

probes	module	Col	GS.cg02974931	p.GS.cg02974931	GS.cg04110601	p.GS.cg04110601
ACVR1C	bisque4	-0.123305307	0.007637327	-0.117436074	0.011091346	
ADRB3	bisque4	-0.160004233	0.000518831	-0.164111384	0.00036924	
AMHR2	bisque4	-0.129158428	0.005183963	-0.128238138	0.005515251	
ANGPTL	bisque4	-0.08996741	0.052022997	-0.091843254	0.047297706	
ASIP	bisque4	-0.275507906	1.40E-09	-0.27693963	1.14E-09	
C21orf62	bisque4	-0.13098366	0.004579423	-0.130048549	0.004880698	
C2orf71	bisque4	-0.126055441	0.006378359	-0.138451856	0.002713973	
CDK15	bisque4	-0.137826499	0.002838286	-0.136539732	0.003110522	
CRYGD	bisque4	-0.103562646	0.025219051	-0.102170224	0.027259587	
CYP11A1	bisque4	-0.260122833	1.17E-08	-0.261170052	1.01E-08	
DCAF8L2	bisque4	-0.097207432	0.035727416	-0.087733898	0.058156151	
DPF3	bisque4	-0.17910641	9.96E-05	-0.163707192	0.000381945	
DUSP26	bisque4	-0.222317118	1.22E-06	-0.22715569	7.02E-07	
EML5	bisque4	-0.071310521	0.123837721	-0.105149289	0.023055808	
ENPP6	bisque4	-0.134705431	0.003539701	-0.135578102	0.003329235	
FAM153F	bisque4	-0.129897344	0.004931059	-0.145432802	0.001626144	
FRMPD3	bisque4	-0.105361724	0.022778731	-0.098623255	0.033109597	
FSHR	bisque4	-0.085119016	0.066085331	-0.068502778	0.139373781	
GATA4	bisque4	-0.097227695	0.035688744	-0.115727299	0.012328497	
GPR88	bisque4	-0.066078947	0.153952131	-0.042648373	0.357788296	
HPCAL4	bisque4	-0.194678247	2.27E-05	-0.198707661	1.52E-05	
INHA	bisque4	-0.10643882	0.021417834	-0.116314697	0.011890123	
LRRTM3	bisque4	-0.028381081	0.540670142	-0.028800165	0.534706432	
MCF2	bisque4	-0.043981885	0.342941966	-0.057178173	0.21745322	
NR5A1	bisque4	0.008775091	0.84999347	-0.001902266	0.967297337	
NRK	bisque4	-0.191980084	2.96E-05	-0.193328415	2.59E-05	
NT5C1A	bisque4	-0.085582081	0.064619785	-0.083596002	0.071099147	
NXPH2	bisque4	-0.20679784	6.61E-06	-0.205983603	7.20E-06	
PCSK2	bisque4	-0.13444679	0.003604357	-0.136530608	0.003112534	
PLA2G1E	bisque4	-0.075526049	0.103083204	-0.063310085	0.171987173	
PLA2G5	bisque4	-0.118472558	0.010395682	-0.117793652	0.010846825	
PLCXD3	bisque4	-0.200384134	1.28E-05	-0.213992047	3.07E-06	
PON3	bisque4	-0.19687709	1.83E-05	-0.196226	1.95E-05	
PROK1	bisque4	-0.10195057	0.027594114	-0.079478863	0.08622343	
RGAG1	bisque4	-0.008661632	0.851910498	-0.012705855	0.784199089	
SCUBE1	bisque4	-0.036463998	0.431783514	-0.026299534	0.570773513	
SGCZ	bisque4	-0.13137697	0.004457801	-0.126567003	0.00616586	
SIGLEC1	bisque4	-0.033828359	0.465826354	-0.032693492	0.480930146	
STAR	bisque4	-0.02553216	0.582068571	-0.036665816	0.42923738	
STXBP5L	bisque4	-0.121979135	0.008320316	-0.145164867	0.001659119	
VIT	bisque4	-0.109589032	0.017834736	-0.097071186	0.035988369	
WFIKKN	bisque4	-0.186180238	5.16E-05	-0.195867304	2.02E-05	
ABCC4	black	-0.230914837	4.53E-07	-0.234439173	2.99E-07	
ABHD16	black	-0.10442609	0.024021051	-0.138253571	0.002752842	

ABHD2	black	0.164874735	0.000346313	0.136418234	0.003137416
ABL1	black	0.129641367	0.005017383	0.103499128	0.025309181
ABTB2	black	-0.025110126	0.588324578	-0.031954155	0.490911089
AC02504	black	0.023458156	0.613105147	0.010828311	0.81546517
AC13126	black	0.009075545	0.844921209	-0.017822422	0.700871615
ACAD8	black	0.211930988	3.83E-06	0.180071175	9.12E-05
ACBD7	black	-0.039032478	0.40003475	-0.048178814	0.298820479
ACER2	black	0.131095826	0.004544436	0.096011444	0.03807393
ACO1	black	0.100602889	0.029724829	0.100277958	0.03025916
ACOX1	black	0.248534537	5.27E-08	0.247271195	6.18E-08
ACTR8	black	0.126385527	0.006240505	0.122318902	0.008140332
ACVR1	black	0.094034736	0.042238314	0.080793977	0.081133684
ADAM17	black	-0.135168124	0.003426654	-0.162812708	0.000411523
ADAM9	black	0.250116759	4.30E-08	0.233951166	3.17E-07
ADAR	black	-0.017160563	0.711474663	-0.023463815	0.613019475
ADAT1	black	0.341555657	3.18E-14	0.349596107	7.17E-15
ADCY6	black	0.140176277	0.002396437	0.112598397	0.014912489
ADNP	black	-0.173775988	0.000160639	-0.199360546	1.42E-05
AFAP1	black	-0.043472474	0.348566404	-0.052885935	0.254032166
AGER	black	-0.084018756	0.069677218	-0.09046497	0.050732814
AGFG1	black	-0.119532312	0.009724685	-0.126089695	0.006363927
AHCYL1	black	0.205438243	7.62E-06	0.221547383	1.33E-06
AHCYL2	black	0.03799863	0.412642321	0.005095434	0.912553028
AIFM3	black	-0.007749916	0.867345833	-0.018353755	0.692401342
AJUBA	black	-0.208915205	5.29E-06	-0.221494791	1.34E-06
AKAP12	black	-0.166774591	0.000294885	-0.159690628	0.000532307
ALKBH5	black	0.190494663	3.42E-05	0.203328973	9.49E-06
AMER1	black	0.007217216	0.87638821	0.005479083	0.90599828
AMMECI	black	-0.121460011	0.008602167	-0.162040157	0.000438772
AMOTL1	black	0.002467722	0.957584435	-0.003611574	0.937957033
ANGEL1	black	-0.167138655	0.000285883	-0.211807617	3.89E-06
ANKRD1	black	0.096480959	0.037137617	0.067064454	0.147891156
ANKS1A	black	-0.110529135	0.016872291	-0.147738924	0.001366214
ANKS3	black	-0.016373484	0.724156374	-0.006544325	0.887833166
ANO6	black	-0.054171604	0.242653922	-0.08135632	0.079032827
APAF1	black	0.081392823	0.078897994	0.072007025	0.120200538
APLP2	black	0.116189216	0.011982595	0.082950107	0.073317321
APOPT1	black	0.054713705	0.237964998	0.062826134	0.17529494
AREL1	black	-0.032038911	0.489761289	-0.0537193	0.246615403
ARHGAP	black	0.075181591	0.104668327	0.079908015	0.084535006
ARID1B	black	0.003188952	0.945205078	-0.016923529	0.715285671
ARIH2	black	-0.006637864	0.886240742	-0.032160713	0.488111466
ARL2BP	black	0.03028235	0.513883255	0.012234118	0.792024296
ARNT	black	-0.090141239	0.05156918	-0.11981414	0.009552846
ARNT2	black	0.012150133	0.793419667	-0.020525232	0.658191153



ARPC4-Tblack	0.000374674	0.993557093	-0.019223597	0.678617493
ARSB black	0.107080931	0.020640576	0.093343744	0.04378187
ASAP1 black	-0.223260824	1.10E-06	-0.255508739	2.14E-08
ASAP2 black	-0.070922044	0.12590325	-0.072491568	0.117719783
ASCC3 black	0.122951184	0.00781462	0.1241053	0.007249973
ASH1L black	-0.015210457	0.743033542	-0.046389941	0.317142565
ATG16L1black	0.046250445	0.318601557	0.036599553	0.430072389
ATP10D black	-0.16040942	0.00050189	-0.163238988	0.000397171
ATRN black	-0.08037128	0.082742397	-0.116172118	0.011995244
ATXN7Lblack	-0.145498049	0.001618206	-0.169570041	0.000232037
B3GNT9 black	0.028241597	0.542662369	0.045638689	0.325051529
B4GALTblack	-0.05929599	0.200865797	-0.082538732	0.074759275
BACE1 black	-0.116020398	0.012108005	-0.128813934	0.005305816
BAG5 black	-0.012944165	0.78025418	-0.012175689	0.792995004
BAG6 black	-0.085335049	0.06539825	-0.09126118	0.048723863
BAHD1 black	0.094569882	0.041074653	0.066106432	0.153780584
BCL2L11 black	0.074677391	0.107023261	0.034389075	0.458461936
BCL2L2 black	-0.131045379	0.004560142	-0.142392391	0.002038186
BCL9 black	0.098700331	0.03297191	0.047951976	0.301104003
BCORL1 black	-0.210247699	4.59E-06	-0.230704922	4.65E-07
BGLAP black	0.027064078	0.559624639	0.022799793	0.623107393
BICD2 black	0.006593587	0.886994465	-0.010434169	0.82206785
BLOC1S1black	0.081655321	0.077933879	0.096070216	0.037955642
BPTF black	-0.077275205	0.095325501	-0.111767479	0.015674048
BRD1 black	0.164673108	0.000352236	0.127970127	0.005615248
BRD4 black	-0.094589222	0.041033112	-0.089606862	0.052974905
BTD black	0.139724667	0.002476145	0.13880583	0.002645826
BTRC black	0.089764802	0.052556146	0.05717591	0.217471456
C12orf49 black	0.052116553	0.261015608	0.050858369	0.27271872
C19orf43 black	0.030733932	0.507623621	0.049359911	0.287117196
C19orf71 black	0.139471113	0.002521948	0.115382024	0.012592782
C1orf123 black	-0.179664854	9.46E-05	-0.18866956	4.08E-05
C1orf233 black	0.014427377	0.755831878	0.032170611	0.487977521
C1orf86 black	-0.003931472	0.932474088	-0.007703824	0.868127554
C2CD3 black	0.044473754	0.337566383	0.028637194	0.537021635
C3orf62 black	0.092684842	0.045297698	0.078029765	0.092126175
C6orf89 black	-0.004248474	0.927043929	-0.01838588	0.691890428
C7orf61 black	-0.262579755	8.38E-09	-0.255277998	2.21E-08
C8G black	-0.099856157	0.03096504	-0.070316904	0.12917393
C9orf16 black	0.197448326	1.72E-05	0.218541351	1.86E-06
CACHD1 black	-0.17303341	0.000171521	-0.201826422	1.11E-05
CAMKK2black	0.061272926	0.186230503	0.042620185	0.358106403
CASK black	-0.037996467	0.412668939	-0.064184514	0.166128921
CASP2 black	0.21013013	4.65E-06	0.203487561	9.33E-06
CBLL1 black	-0.081042108	0.080201188	-0.084450836	0.068248056

CCDC101black	-0.090610973	0.050359333	-0.0723354	0.11851492
CCDC117black	0.076238908	0.099863244	0.04637053	0.317345322
CCDC12 black	0.027548966	0.552608818	0.04593692	0.321896662
CCDC13(black	0.030092181	0.516531214	0.022370162	0.629672349
CCDC155black	0.275542495	1.39E-09	0.270420107	2.86E-09
CCDC28Fblack	-0.161897728	0.000443975	-0.148069163	0.001332291
CCDC61 black	0.010548163	0.820156903	0.032676157	0.481162892
CCDC93 black	-0.162772814	0.000412891	-0.187773631	4.44E-05
CCER2 black	-0.087395597	0.059135361	-0.100642998	0.029659436
CCNI black	0.033573391	0.469196634	0.024878149	0.591776422
CCNK black	-0.042146278	0.363481191	-0.061536537	0.184339932
CCS black	-0.014309714	0.757760803	-0.017405791	0.707539472
CDK10 black	0.218115822	1.95E-06	0.229829554	5.15E-07
CDK12 black	0.034120253	0.461984486	0.008724867	0.850841963
CDK5R1 black	0.123736536	0.007426289	0.083636776	0.070960979
CERK black	-0.045431758	0.327252325	-0.093941209	0.042444513
CERS2 black	0.001904353	0.967261479	-0.02827491	0.542186234
CHADL black	0.22772229	6.58E-07	0.242119028	1.18E-07
CHMP1B black	-0.074990695	0.105555061	-0.084115929	0.069353688
CHMP4A black	-0.055984229	0.227226427	-0.047865809	0.301974457
CIPC black	0.026272266	0.571173079	0.011270355	0.80807556
CIRH1A black	0.102419625	0.026883989	0.109774481	0.017641171
CITED2 black	-0.111901988	0.0155485	-0.114970083	0.012914626
CLASRP black	-0.0941738	0.041933281	-0.114350586	0.013412289
CMTM4 black	0.137009887	0.003008416	0.139398689	0.002535173
CNN3 black	-0.07342073	0.113074885	-0.067712388	0.144006443
CNNM4 black	-0.083919509	0.070008927	-0.104056374	0.024527861
CNOT1 black	0.135182926	0.003423092	0.127402701	0.005832357
CNPY2 black	0.091095558	0.049136177	0.081872326	0.077144091
CORO1C black	0.049707881	0.283728853	0.052126256	0.260926727
CORO7 black	0.150714406	0.001087256	0.201966757	1.09E-05
CPSF7 black	-0.108593858	0.018905473	-0.13326476	0.003913685
CRADD black	0.132220005	0.004206887	0.115306616	0.012651162
CREB3L2black	0.040819701	0.378792131	0.041408594	0.371947083
CRISPLDblack	0.046409907	0.316934107	0.017681832	0.703119118
CRTC3 black	-0.015200643	0.743193508	-0.042972438	0.354143824
CRYBB3 black	-0.054641801	0.238583235	-0.051513204	0.266583794
CSDE1 black	-0.149057633	0.001235326	-0.180600045	8.69E-05
CSNK1A black	0.134512769	0.003587762	0.118162731	0.01059946
CSNK1G black	0.182036108	7.61E-05	0.183531844	6.62E-05
CSNK2A'black	-0.071797465	0.121285991	-0.099833379	0.031003557
CTB-102Iblack	0.050080099	0.280134374	0.048556931	0.295039733
CTBP2 black	0.125866294	0.006458578	0.107460624	0.020192598
CTNNB1 black	0.034213291	0.460763646	0.013406677	0.772614067
CTNND1 black	0.023914004	0.606221301	-0.000929092	0.984024184

CYTH3	black	-0.229016713	5.66E-07	-0.21695174	2.22E-06
DAGLA	black	-0.213525385	3.23E-06	-0.210055852	4.69E-06
DAZAP2	black	0.111656854	0.015777969	0.116791929	0.011544168
DCP1A	black	-0.052268006	0.259630564	-0.076823208	0.097284047
DCTN1	black	-0.103211698	0.025720517	-0.112923018	0.014623909
DDX42	black	-0.05701485	0.218772049	-0.085600795	0.064561123
DENND5	black	0.100746323	0.029491546	0.079513491	0.086086195
DEPDC5	black	0.021965723	0.635879124	-0.00497457	0.914619266
DGKD	black	-0.028862912	0.533816381	-0.063340328	0.171782022
DHX35	black	-0.21845956	1.88E-06	-0.243794243	9.55E-08
DIAPH1	black	0.068712527	0.138163808	0.081807238	0.077380293
DIDO1	black	-0.200015596	1.33E-05	-0.218552329	1.86E-06
DIP2B	black	0.113382167	0.014224122	0.093748214	0.042872694
DMAP1	black	-0.18652742	5.00E-05	-0.18572724	5.39E-05
DOCK1	black	0.047244789	0.308297281	0.012244065	0.791859081
DOCK7	black	0.013292295	0.774501498	-0.024681611	0.594708153
DOCK9	black	-0.009584272	0.836347602	-0.021830912	0.637953725
DOPEY2	black	0.200558356	1.26E-05	0.186375852	5.07E-05
DPAGT1	black	0.181108874	8.29E-05	0.1671723	0.000285064
DUSP16	black	0.034269654	0.460024931	0.025519907	0.582249767
DUSP7	black	-0.059855072	0.196644587	-0.070837008	0.12635893
DVL2	black	-0.00377048	0.935233049	-0.036032287	0.437259192
DYM	black	0.048452443	0.296081287	0.028732723	0.535663913
DYNC1I2	black	-0.029694715	0.522088323	-0.059458451	0.199632437
DYNC1L1	black	0.047392031	0.306790326	0.032545916	0.482913555
EDEM1	black	0.13775191	0.002853454	0.139765446	0.002468849
EEF2K	black	0.035294055	0.446714386	0.044868568	0.333290778
EGFR	black	0.024223501	0.601567274	0.000686584	0.988193774
EHF	black	0.167658015	0.000273484	0.168381304	0.000257053
EHMT1	black	0.224958408	9.04E-07	0.232989947	3.55E-07
EIF2S3L	black	0.05103112	0.271091004	0.043353349	0.349890058
ELF1	black	0.078884274	0.0886075	0.065981675	0.154560428
ELK1	black	-0.134124937	0.003686309	-0.127297563	0.005873404
ELMO2	black	-0.184032266	6.32E-05	-0.203453191	9.37E-06
EMG1	black	-0.101171772	0.028808799	-0.089638221	0.052891541
EMP1	black	-0.12485468	0.006903166	-0.122891174	0.007845025
ENDOD1	black	0.052777629	0.255007315	0.037581101	0.417799818
ENOX2	black	-0.139875742	0.002449215	-0.147001743	0.001444824
ENTPD7	black	0.265878356	5.36E-09	0.239936748	1.54E-07
EPHA4	black	-0.116714457	0.011599717	-0.123068452	0.007755506
EPN2	black	-0.043767888	0.345297635	-0.064502314	0.164037292
ERAP1	black	-0.052935518	0.253586612	-0.068729949	0.13806367
ERC1	black	-0.026797249	0.563503661	-0.044102477	0.34161901
ERCC3	black	-0.119153408	0.009960039	-0.147762888	0.001363726
ERCC5	black	0.033153497	0.474776164	0.02201982	0.635047428

ERCC6-P black	-0.057153494	0.217652139	-0.075997348	0.100945282
ERMP1 black	0.023062925	0.619101276	0.025243844	0.586339072
ESYT2 black	-0.108879397	0.018592665	-0.110118683	0.017286763
ETV2 black	0.06126142	0.186313351	0.050025862	0.280656206
ETV3 black	-0.009857563	0.831749737	-0.048631732	0.294295605
EVC black	-0.205051007	7.94E-06	-0.234239174	3.06E-07
EXOC2 black	0.127966605	0.005616573	0.121877544	0.008374817
EXOC4 black	-0.017851101	0.700413482	-0.023518307	0.612194822
EXOC6B black	-0.152794618	0.000924525	-0.177246362	0.000117833
EXOSC1 black	0.182926054	7.01E-05	0.175712572	0.000135227
EYA3 black	0.016779213	0.717609437	0.004842144	0.916883823
FAM168A black	0.04769298	0.303725388	0.020607259	0.656912195
FAM193A black	0.149049128	0.001236132	0.137213584	0.002965132
FAM193F black	-0.05622313	0.225246306	-0.060270242	0.193552103
FAM222F black	0.173338213	0.000166973	0.160505578	0.000497946
FAN1 black	-0.01098406	0.812859629	-0.057847171	0.212110605
FARP1 black	0.086818999	0.060835738	0.059036855	0.202844537
FARP2 black	0.117063942	0.011350991	0.107771956	0.019831609
FAT1 black	0.172472542	0.000180194	0.182457281	7.32E-05
FBF1 black	0.115334718	0.012629379	0.118383457	0.010453926
FBXL20 black	0.02722821	0.557244995	0.021926654	0.636480068
FBXO11 black	-0.1221572	0.008225552	-0.141712463	0.002142517
FBXO21 black	-0.1764072	0.00012707	-0.196103422	1.97E-05
FBXO7 black	-0.033088679	0.475640687	-0.022706834	0.62452534
FBXW11 black	-0.097556153	0.035066828	-0.117930978	0.010754195
FKBP15 black	0.202749127	1.01E-05	0.198725074	1.52E-05
FKBP2 black	0.03126803	0.500272016	0.025996014	0.57522861
FKBP9 black	-0.069476434	0.133825186	-0.101537878	0.028232187
FLCN black	0.062619507	0.176721551	0.048205413	0.298553464
FLNB black	0.084299583	0.068745588	0.088103886	0.057100639
FOCAD black	0.1711578	0.000202164	0.153642631	0.00086489
FOXJ3 black	-0.02030591	0.661615698	-0.038103251	0.411355914
FRAS1 black	0.170435864	0.00021527	0.145704485	0.001593323
FRG1B black	-0.236690315	2.28E-07	-0.241981727	1.20E-07
FRRS1 black	0.182419068	7.34E-05	0.157742373	0.000623574
FZD1 black	0.186469272	5.03E-05	0.172787518	0.000175274
FZD5 black	0.016734587	0.718328539	0.036275791	0.434165783
GALK2 black	0.175189505	0.00014169	0.167930787	0.000267176
GALNT4 black	0.262293071	8.71E-09	0.217585319	2.07E-06
GATAD2 black	0.026060515	0.574280482	-0.011150784	0.810072771
GGCX black	-0.183842811	6.43E-05	-0.195487152	2.10E-05
GID4 black	0.07480294	0.106432991	0.053989581	0.244242764
GIGYF2 black	-0.068467143	0.139580158	-0.112295807	0.015185974
GLCE black	0.07008766	0.13043	0.028376334	0.540737879
GLTSCR1 black	-0.027611012	0.551714179	-0.053584148	0.247807837

GLUD2	black	-0.092395188	0.045977879	-0.107311359	0.020367689
GMEB1	black	0.158695573	0.000577246	0.145955013	0.001563597
GNB1	black	0.178057745	0.000109505	0.174345743	0.000152732
GNE	black	0.083812833	0.070366904	0.088689476	0.055462545
GNS	black	0.042716933	0.357015308	0.014314361	0.757684581
GOLGA2	black	0.113636968	0.014006436	0.098177154	0.033916178
GPATCH	black	-0.011542283	0.803538182	-0.04582258	0.323103852
GPHN	black	0.260433789	1.12E-08	0.238468375	1.84E-07
GRB10	black	0.043754878	0.345441186	0.054997201	0.235538448
GSTO1	black	0.107104981	0.020611947	0.109956051	0.017453434
GTF2I	black	-0.004551224	0.921861066	-0.037869588	0.414232281
GTPBP1	black	0.006565565	0.887471533	0.010869343	0.814778539
HAGHL	black	-0.007645271	0.869120815	0.014333251	0.757374826
HBP1	black	-0.12403876	0.007281508	-0.132368518	0.004164031
HCFC1R1	black	-0.01619086	0.727109858	0.003723709	0.936034731
HDAC10	black	0.222482764	1.20E-06	0.237775602	2.00E-07
HDAC4	black	-0.093053909	0.044443304	-0.125363362	0.006676294
HDHD2	black	0.018677506	0.687258892	-0.021996827	0.635400865
HEATR1	black	-0.024607794	0.595810991	-0.060972432	0.18840297
HECTD1	black	0.001594785	0.972581113	-0.017070828	0.712916578
HIF1AN	black	-0.019075282	0.680960346	-0.025716945	0.579339214
HIP1	black	0.051887412	0.263120787	0.037074238	0.424111408
HIPK1	black	0.156485096	0.00068996	0.140927345	0.002269046
HIST1H4.	black	-0.034686633	0.454580402	-0.018649077	0.687709875
HMG20A	black	0.009615709	0.835818429	-0.034312465	0.45946427
HSD11B1	black	0.054872117	0.236606922	0.053088133	0.252218585
HSD3B7	black	-0.107001239	0.02073569	-0.102247734	0.027142376
HSPG2	black	-0.072941723	0.115451145	-0.077421513	0.094698319
HYOU1	black	0.136755898	0.003063191	0.112450892	0.01504526
ICMT	black	0.212872751	3.46E-06	0.205196213	7.82E-06
IGSF3	black	0.005012412	0.913972277	-0.04115369	0.374900552
INAFM1	black	-0.001943053	0.966596567	0.019628017	0.672244879
INO80B	black	-0.060665935	0.190637979	-0.054389825	0.240758682
INPP5B	black	-0.118828088	0.010166131	-0.131225692	0.004504231
IPO9	black	0.118207752	0.010569631	0.086045705	0.063179358
IPP	black	0.161968446	0.000441385	0.14787017	0.001352638
IQGAP1	black	0.057871629	0.211917085	0.043124471	0.352442129
ISY1	black	-0.219069177	1.76E-06	-0.200037849	1.33E-05
ITGA2	black	0.121834962	0.008397755	0.103798512	0.024886784
ITGA6	black	0.202554349	1.03E-05	0.164319069	0.000362866
ITGB1	black	0.065004799	0.160770596	0.029203447	0.528998993
ITPR3	black	0.093233694	0.044032033	0.097705823	0.03478651
ITPRIPL2	black	-0.079496117	0.086155026	-0.076695883	0.097841511
JAG1	black	0.078197469	0.091426923	0.080217609	0.083333592
JAK1	black	-0.27107202	2.62E-09	-0.274840871	1.54E-09

JARID2	black	-0.031868263	0.492077777	-0.058239148	0.209024534
JOSD1	black	0.054364125	0.24098134	0.033264662	0.47329549
JUND	black	-0.128593191	0.005385246	-0.136919781	0.003027745
KANK1	black	-0.028902597	0.533253842	-0.070940245	0.125805882
KANSL1	black	0.047171574	0.309048424	0.017584457	0.704677282
KAT6B	black	-0.091438013	0.048286841	-0.123045751	0.007766918
KAT7	black	-0.061397227	0.185337269	-0.08357876	0.071157641
KCTD18	black	-0.01115562	0.809991965	-0.046034384	0.320869963
KCTD20	black	0.032146926	0.488298061	0.020521183	0.658254313
KDM2A	black	-0.051154749	0.269930214	-0.068784428	0.137750891
KDM2B	black	0.05770901	0.213206134	0.056437666	0.223478627
KDM4A	black	0.00035591	0.993879748	-0.024091962	0.603543321
KDM6A	black	-0.005026601	0.913729688	-0.022321013	0.630425246
KDM6B	black	0.239095023	1.70E-07	0.230173342	4.95E-07
KIAA010	black	0.002033783	0.965037782	-0.006626603	0.886432423
KIAA092	black	-0.053773767	0.246135972	-0.042159681	0.363328494
KIAA114	black	0.084388343	0.068453261	0.075163353	0.104752791
KIAA121	black	-0.065290255	0.158936781	-0.092498391	0.045734554
KIAA121	black	0.035616644	0.442568516	0.022110467	0.633654836
KIAA146	black	0.097455498	0.035256425	0.070214682	0.129732861
KIAA154	black	0.043002702	0.35380466	0.016312763	0.725137941
KIAA167	black	0.066153165	0.153489232	0.070266757	0.129447892
KIAA195	black	0.088497999	0.055993821	0.070069897	0.130527717
KIDINS2	black	-0.127487532	0.005799427	-0.1590928	0.0005589
KIF13A	black	-0.176294078	0.000128366	-0.196755671	1.85E-05
KIF13B	black	0.362114813	6.46E-16	0.355845169	2.19E-15
KIF1B	black	-0.178370947	0.000106441	-0.203078008	9.74E-06
KIF3C	black	-0.282286335	5.28E-10	-0.307137234	1.17E-11
KLF10	black	-0.039276098	0.397097808	-0.072730494	0.116511373
KLF11	black	-0.196889607	1.82E-05	-0.225719482	8.29E-07
KLHL18	black	0.233480069	3.35E-07	0.237415608	2.09E-07
KLHL20	black	-0.011698482	0.800934815	-0.035503077	0.44402556
KMT2E	black	-0.027232763	0.557179058	-0.045689715	0.324510335
KRTCAP	black	0.113042384	0.014519038	0.090652481	0.050253576
LAMC1	black	-0.115686467	0.012359494	-0.132258898	0.004195625
LANCL1	black	-0.060543141	0.19153884	-0.087660429	0.058367659
LARGE	black	0.098756119	0.032872556	0.080431526	0.082511551
LASP1	black	-0.065878991	0.155204533	-0.080611669	0.081824387
LDLR	black	0.182461073	7.32E-05	0.169386652	0.000235741
LENG8	black	-0.111136711	0.016274728	-0.12479321	0.006931044
LIMD1	black	0.2527237	3.08E-08	0.243433309	9.99E-08
LIN7B	black	0.162584771	0.000419395	0.173259828	0.000168132
LMO7	black	-0.037202894	0.422504113	-0.033439597	0.470970546
LMTK2	black	-0.031444367	0.49785725	-0.032817049	0.479272946
LNK2	black	0.171403444	0.000197877	0.166459235	0.000302896

LPIN2	black	-0.238466775	1.84E-07	-0.237431182	2.08E-07
LRBA	black	0.288098154	2.24E-10	0.278083395	9.70E-10
LRIG3	black	-0.020759611	0.6545394	-0.010368038	0.823176931
LRP10	black	0.190828928	3.31E-05	0.193805713	2.48E-05
LRRC16A	black	0.070646266	0.127385718	0.080998552	0.080364244
LRRC8A	black	0.147980184	0.001341354	0.152644128	0.000935497
LRRC8E	black	0.260922677	1.05E-08	0.237317954	2.11E-07
LTBP1	black	0.028233778	0.542774159	0.021567522	0.642015175
LUC7L	black	0.06115551	0.187077175	0.054356769	0.241045103
LUZP1	black	-0.064352195	0.16502284	-0.078265031	0.091146424
LYSMD1	black	-0.040216758	0.385879983	-0.070198341	0.129822385
MAFK	black	-0.020091434	0.6649714	-0.038162477	0.41062874
MAGIX	black	0.093365026	0.04373363	0.117736581	0.010885529
MAML2	black	-0.092748906	0.045148406	-0.110170094	0.017234365
MAML3	black	0.09882367	0.032752594	0.075773345	0.101956984
MAP1LC	black	0.004907292	0.915769673	0.0305818	0.509727937
MAP2	black	0.03010794	0.516311525	0.017792879	0.701343687
MAP2K5	black	0.009959932	0.830028942	-0.00924505	0.842062443
MAP4	black	-0.032259642	0.486773658	-0.035329054	0.446263531
MAP4K4	black	0.07457802	0.107492289	0.076183523	0.100110517
MAPK1	black	0.119556311	0.009709946	0.098100736	0.034056013
8-Mar	black	-0.173109031	0.000170382	-0.193937267	2.44E-05
MARK2	black	0.07393227	0.110579832	0.062564517	0.177102661
MAU2	black	-0.092034279	0.046837361	-0.107494569	0.020152963
MBLAC1	black	-0.011016486	0.812317424	0.009776275	0.833116741
MBOAT1	black	0.072046234	0.119998287	0.055389644	0.232208256
MBP	black	-0.016721585	0.718538085	0.017698185	0.702857564
MED1	black	0.017805277	0.701145562	-0.019734132	0.670576636
MED14	black	0.100699156	0.029568085	0.085764109	0.064051059
METTTL2	black	-0.192289911	2.87E-05	-0.1884002	4.18E-05
METTTL3	black	-0.004011138	0.931109119	-0.017792593	0.701348251
MFAP3	black	0.015775621	0.733840274	-0.010929688	0.813768987
MFN2	black	-0.056263619	0.22491193	-0.065635092	0.156742583
MFSD2B	black	-0.199777441	1.36E-05	-0.183149898	6.86E-05
MFSD9	black	0.139675848	0.002484904	0.138150658	0.002773215
MGMT	black	0.07362584	0.112069194	0.097713497	0.034772188
MIIP	black	-0.036128933	0.436029917	-0.033515168	0.46996814
MINOS1	black	-0.007040209	0.879396452	0.006215688	0.893431467
MMS19	black	0.071072477	0.125100248	0.042440789	0.360135123
MOAP1	black	-0.040923649	0.3775783	-0.028078346	0.544998688
MRPS21	black	-0.067564282	0.14488747	-0.081000511	0.080356905
MSRB2	black	0.169260174	0.000238328	0.193525075	2.54E-05
MTERF4	black	-0.123854216	0.007369611	-0.138350796	0.002733721
MTF1	black	-0.084021428	0.069668304	-0.090427482	0.05082908
MTG1	black	0.010809582	0.815778637	0.015812344	0.733244227

MTMR1	black	0.006477004	0.888979527	-0.000948441	0.983691538
MTMR12	black	-0.136595253	0.003098302	-0.14544913	0.001624154
MTOR	black	0.165363847	0.000332328	0.122406671	0.008094407
MYC	black	-0.194523138	2.31E-05	-0.240770178	1.39E-07
MYH10	black	-0.078315862	0.09093584	-0.096164572	0.037766386
MYH9	black	0.028622042	0.53723713	0.0378057	0.415020792
MYL5	black	0.093704365	0.042970484	0.098303103	0.033686775
MYO1E	black	0.186612114	4.96E-05	0.202146234	1.07E-05
MYOF	black	0.136677984	0.003080175	0.123256167	0.007661712
NATD1	black	0.019676665	0.671479884	0.027884529	0.547778889
NAV2	black	0.173323418	0.000167191	0.142676224	0.001996025
NBAS	black	0.13894305	0.00261983	0.134075239	0.003699113
NBPF3	black	0.036301988	0.433833738	0.010612596	0.819077249
NCOA1	black	-0.11953477	0.009723175	-0.146192823	0.001535852
NCOA4	black	0.041226452	0.374056015	-0.002602263	0.955274278
NCOA6	black	-0.013445	0.771981987	-0.039977244	0.388717844
NCOR1	black	0.190187449	3.52E-05	0.175493205	0.000137903
NDEL1	black	0.158027341	0.000609374	0.142914172	0.001961296
NDUFA7	black	0.114214966	0.013523465	0.125482087	0.006624314
NDUFB1	black	0.141561842	0.002166279	0.164933397	0.000344607
NDUFB8	black	0.137094793	0.002990304	0.147535917	0.00138746
NDUFV2	black	-0.020689392	0.655632602	-0.013372766	0.773173501
NEDD9	black	-0.08991207	0.052168172	-0.112612739	0.014899634
NENF	black	0.186663613	4.93E-05	0.195910319	2.01E-05
NEO1	black	-0.282494912	5.12E-10	-0.287716467	2.37E-10
NFATC3	black	0.121786785	0.008423775	0.128369194	0.005466939
NFKB1	black	0.056591133	0.222220209	0.049828885	0.282556925
NFRKB	black	0.054159181	0.242762129	0.038825514	0.402539985
NFX1	black	0.057681282	0.213426492	0.05542548	0.231905827
NHEJ1	black	0.039225618	0.397705299	-0.003074393	0.947170598
NIPAL3	black	0.007617558	0.869590995	0.016358304	0.724401714
NME3	black	0.181952126	7.67E-05	0.224049835	1.00E-06
NOL6	black	0.001343088	0.97690718	0.009996771	0.829409878
NOL9	black	-0.008687051	0.851480939	-0.021969923	0.635814537
NOTCH2	black	-0.161597839	0.000455119	-0.176961816	0.000120892
NOTCH3	black	-0.06818105	0.141245511	-0.075488279	0.103256083
NPEPL1	black	-0.016537207	0.721512057	-0.006542468	0.887864781
NPTN	black	-0.004448241	0.923623691	-0.020339075	0.6610974
NSD1	black	-0.026074452	0.574075716	-0.045528278	0.326224602
NT5C2	black	0.086343647	0.062267727	0.054171886	0.242651465
NUMB	black	0.143572978	0.001868008	0.147528583	0.001388233
NUP153	black	-0.150389456	0.00111494	-0.168451081	0.000255517
NUP160	black	-0.024756675	0.593587651	-0.056680738	0.2214878
NUP188	black	0.385713284	5.15E-18	0.381130648	1.36E-17
NUP214	black	-0.042378223	0.360844347	-0.058206619	0.209279399



NUP98	black	0.076601393	0.098256852	0.056702046	0.221313884
NUPR1	black	0.000562235	0.990331919	0.021716689	0.639713715
OCEL1	black	-0.015947049	0.731059165	-0.001908834	0.967184494
OCLN	black	0.181894168	7.71E-05	0.181398318	8.07E-05
OGFR	black	-0.199491891	1.40E-05	-0.165802136	0.000320245
ORAI3	black	-0.070726995	0.126950357	-0.03783719	0.414632026
OSBPL10	black	-0.091190009	0.048900686	-0.083901746	0.070068432
P2RY11	black	0.267288603	4.42E-09	0.272434333	2.16E-09
PABPN1	black	-0.068286575	0.140629486	-0.084547426	0.067931879
PARD3	black	-0.120176975	0.009335592	-0.134745866	0.003529689
PARP4	black	0.108674002	0.018817215	0.08938192	0.053576105
PATL1	black	0.043165831	0.351980083	0.036160819	0.435624779
PCDH7	black	0.184517522	6.04E-05	0.169166501	0.000240262
PCDHAC	black	0.042053925	0.364534435	0.046520855	0.315777327
PCDHGB	black	-0.065423007	0.15808935	-0.083069179	0.072904205
PCDHGC	black	-0.067155214	0.147342244	-0.067823987	0.143345288
PCGF3	black	0.147668819	0.001373517	0.140013501	0.002424893
PCP2	black	0.114936245	0.012941383	0.100679774	0.029599586
PDK2	black	-0.158024848	0.000609497	-0.165595003	0.000325903
PDP2	black	0.173300337	0.000167532	0.177604948	0.000114082
PERM1	black	-0.069007704	0.136474709	-0.05403744	0.243824303
PET100	black	0.099878179	0.030927841	0.108969428	0.018494977
PEX26	black	0.090415739	0.050859268	0.074737171	0.106741885
PEX5	black	-0.087715247	0.058209784	-0.131998637	0.004271506
PFAS	black	0.170296076	0.000217898	0.138894623	0.002628978
PFKM	black	-0.306203847	1.36E-11	-0.330185534	2.43E-13
PGS1	black	-0.233302975	3.42E-07	-0.256841824	1.80E-08
PHACTR	black	0.010297479	0.824360655	-0.006398043	0.890324388
PHC1	black	-0.06901901	0.136410329	-0.106196983	0.02171709
PHF12	black	0.004728504	0.91882767	-0.009522388	0.837389538
PHF2	black	0.096517979	0.03706463	0.072818932	0.116066551
PHF8	black	0.131278967	0.00448783	0.114154926	0.013572942
PHKA1	black	0.088166516	0.056923548	0.074694721	0.10694163
PHKG2	black	0.025133789	0.587973	0.047533929	0.305342663
PHLDB1	black	-0.188233945	4.25E-05	-0.198324419	1.58E-05
PHRF1	black	0.12517631	0.00675893	0.116353281	0.011861816
PI4KB	black	-0.00731613	0.874707931	-0.021759734	0.639050228
PIAS3	black	0.245259627	7.96E-08	0.207179559	6.35E-06
PIGG	black	0.155560831	0.000742876	0.138999702	0.002609166
PIGO	black	0.133350403	0.00389049	0.122755114	0.007914355
PIK3C2B	black	-0.103820956	0.024855364	-0.09949622	0.031578486
PIK3R2	black	0.016885248	0.715901819	0.04396596	0.343116908
PIK3R4	black	-0.165425925	0.000330591	-0.191446228	3.12E-05
PIP4K2C	black	0.017852054	0.700398256	0.017477332	0.706392905
PIP5K1B	black	0.08129019	0.07927757	0.073529552	0.112540434

PITPNA black	0.234055457	3.13E-07	0.226445385	7.62E-07
PITPNM3black	0.080709503	0.08145314	0.070186449	0.129887564
PKP2 black	0.079243964	0.087159036	0.075124032	0.104935075
PLAGL2 black	-0.179565836	9.55E-05	-0.21225127	3.70E-06
PLCG1 black	0.077306369	0.095191632	0.057425163	0.215469637
PLEKHA1black	0.048811049	0.292516865	0.033806004	0.466121313
PLEKHB1black	0.075407176	0.10362807	0.085454363	0.065021301
PLK2 black	0.044508008	0.337194049	0.020380209	0.660454778
PNMA1 black	-0.263879973	7.03E-09	-0.270897752	2.68E-09
POFUT1 black	-0.198325432	1.58E-05	-0.223541564	1.06E-06
POLD4 black	0.035252454	0.447250636	0.040479559	0.382780772
POLH black	0.036943902	0.425743323	0.029198283	0.529071879
PPAP2B black	-0.126906548	0.006028346	-0.133841123	0.003759972
PPFIA1 black	-0.016157286	0.727653265	-0.046922764	0.31161006
PPRC1 black	0.05959809	0.198576753	0.01402761	0.762391592
PRDM10 black	0.093805573	0.042745058	0.067650817	0.144372207
PREP black	0.206320173	6.95E-06	0.184234821	6.20E-05
PROSER1black	0.130004557	0.004895302	0.122448899	0.008072393
PROSER2black	-0.037729034	0.415968177	-0.051977989	0.262287244
PRPF40B black	-0.090713053	0.050099577	-0.141815415	0.002126412
PRR14L black	0.117444533	0.011085506	0.093111065	0.044312206
PRR22 black	0.242412093	1.13E-07	0.236909498	2.22E-07
PRR5 black	0.026112879	0.573511314	0.054191136	0.242483863
PRRC2A black	-0.101729513	0.027934337	-0.117881424	0.010787539
PRUNE black	-0.058177681	0.209506316	-0.094775336	0.04063515
PTPLAD1black	0.100344951	0.030148325	0.082456354	0.075050783
PTPN1 black	-0.065777648	0.155842216	-0.062926767	0.174603259
PTPRA black	-0.144552788	0.001736761	-0.164347898	0.000361989
PTPRJ black	0.079616212	0.085680125	0.075840053	0.10165486
PTPRK black	-0.075962786	0.101100858	-0.054015807	0.244013392
PUM1 black	0.013742935	0.767073224	0.001971102	0.966114659
RAB11F1black	0.205392511	7.66E-06	0.20437355	8.52E-06
RAB4B black	0.068206036	0.141099462	0.09705895	0.036011883
RAF1 black	0.005191208	0.910916122	-0.019716478	0.670854064
RANGRF black	0.271318748	2.53E-09	0.247074984	6.33E-08
RAP2B black	-0.062724024	0.175998865	-0.05374502	0.24638893
RASA1 black	0.009907482	0.830910505	-0.027825206	0.548631229
RBL2 black	0.02737223	0.55516101	-0.005544515	0.904880992
RBSN black	-0.120667789	0.009048704	-0.147362367	0.001405864
RC3H2 black	-0.008324673	0.857608958	-0.011063	0.811539809
RCN3 black	-0.158218689	0.000600009	-0.137991402	0.002805012
RCOR1 black	-0.001707308	0.970647347	-0.0257593	0.578714449
REPS1 black	0.005585137	0.904187441	0.008560964	0.853612144
RERE black	-0.189806151	3.65E-05	-0.211619342	3.96E-06
RHBDD1 black	-0.112149445	0.01531983	-0.122255666	0.008173565

RILP	black	0.01264111	0.785271812	0.026569112	0.566830403
RIN2	black	-0.247206895	6.23E-08	-0.251625702	3.55E-08
RIPK1	black	-0.034854105	0.452403925	-0.03103752	0.503437961
RNASEH	black	-0.118080614	0.01065406	-0.102783896	0.026343404
RNASET	black	-0.076877634	0.097046527	-0.070420658	0.128608535
RNF111	black	0.062400841	0.178240644	0.046224971	0.318868461
RNF214	black	0.049143301	0.289240128	0.003132413	0.946175085
RNF38	black	-0.138450067	0.002714322	-0.152455936	0.000949386
RNMT	black	-0.149135247	0.001227995	-0.18531619	5.60E-05
ROBO1	black	0.086081202	0.063070173	0.085423345	0.065119124
RP11-514	black	0.125491069	0.006620396	0.146131264	0.00154299
RP11-544	black	0.161058756	0.000475809	0.140477804	0.00234453
RP11-729	black	-0.000840413	0.985548856	-0.026490188	0.567983475
RPRD2	black	0.005855287	0.899576929	-0.014870627	0.74857912
RREB1	black	0.283671267	4.31E-10	0.273536001	1.85E-09
S100A1	black	-0.181206341	8.21E-05	-0.184214522	6.21E-05
S100A13	black	-0.115983139	0.01213584	-0.099395139	0.031752619
SALL1	black	0.299827851	3.72E-11	0.275287931	1.45E-09
SALL2	black	-0.259047109	1.34E-08	-0.27326866	1.92E-09
SAP25	black	-0.147836365	0.001356123	-0.145321314	0.001639791
SARM1	black	-0.099525619	0.031527994	-0.107497943	0.020149028
SARS2	black	-0.132437463	0.004144271	-0.144897672	0.001692612
SBNO1	black	-0.002565001	0.955914054	-0.01020312	0.825944286
SCAF4	black	-0.080881807	0.080802613	-0.10533223	0.022817027
SCFD2	black	0.204534387	8.37E-06	0.201056371	1.20E-05
SCT	black	-0.033018954	0.47657162	-0.045225667	0.329453745
SEC16A	black	0.41002939	2.31E-20	0.418943997	2.85E-21
SEC23B	black	0.250072004	4.33E-08	0.251257624	3.72E-08
SEC24B	black	0.092531535	0.04565664	0.074606068	0.107359739
SEC24D	black	0.16224522	0.00043138	0.166433773	0.000303552
SELK	black	0.060446157	0.192252561	0.079858258	0.084729386
SERGEF	black	0.194913714	2.22E-05	0.183250299	6.80E-05
SETD2	black	0.021503606	0.643002368	-0.004257039	0.926897255
SETD5	black	0.031158587	0.501773846	-0.003006877	0.948329133
SETDB1	black	-0.034113222	0.462076813	-0.069680107	0.132686355
SETSIP	black	0.091291491	0.048648719	0.073737067	0.111526778
SF3B3	black	0.120372325	0.009220452	0.136517285	0.003115475
SFXN4	black	0.063635247	0.169791006	0.043102155	0.352691585
SGPL1	black	0.118985423	0.010065991	0.116932907	0.011443689
SH3BP4	black	0.241427844	1.28E-07	0.237799697	1.99E-07
SH3PXD2	black	0.109947737	0.017461991	0.089556564	0.053108845
SH3RF1	black	0.138521955	0.002700352	0.138663516	0.002673035
SHROOM	black	0.033210664	0.474014407	0.049180268	0.288877082
SIN3A	black	-0.020748223	0.654716642	-0.044415432	0.338200939
SIN3B	black	-0.213231786	3.33E-06	-0.232110066	3.94E-07

SIPA1L3 black	0.142946602	0.001956606	0.144534748	0.001739099
SKI black	-0.152983872	0.000910896	-0.175440931	0.000138548
SLC12A2 black	0.337769599	6.32E-14	0.319701199	1.47E-12
SLC12A6 black	0.088527246	0.0559124	0.066067143	0.154025853
SLC24A1 black	0.102422014	0.026880412	0.082087952	0.076365776
SLC25A1 black	0.183751119	6.49E-05	0.153766491	0.000856484
SLC25A2 black	0.120300651	0.009262549	0.125672323	0.00654178
SLC25A5 black	0.06702844	0.148109401	0.060482077	0.191987993
SLC2A12 black	-0.046011846	0.321107187	-0.05647601	0.22316373
SLC35C2 black	-0.136660838	0.003083924	-0.137639676	0.002876416
SLC35E1 black	-0.039742385	0.391512802	-0.044073533	0.341936238
SLC35E2 black	0.03374594	0.466914336	-0.003203829	0.944949859
SLC36A1 black	0.048805043	0.292576325	0.02343339	0.613480116
SLC39A1 black	0.09546337	0.039192144	0.065544843	0.157314614
SLC39A1 black	-0.073722253	0.111598902	-0.095116908	0.039913259
SLC39A6 black	0.17578986	0.000134295	0.147247399	0.001418178
SLC41A1 black	0.002699578	0.953603551	-0.013785621	0.766370686
SLC7A1 black	0.167092804	0.000287003	0.159512906	0.000540087
SLC7A6C black	0.045542539	0.326072924	0.037536239	0.41835622
SMAD1 black	-0.061632424	0.183655769	-0.081251268	0.079421907
SMAD7 black	-0.178073646	0.000109347	-0.190293574	3.49E-05
SMARCC black	0.134348293	0.00362926	0.099552231	0.031482349
SMCR8 black	0.067585882	0.144758722	0.052886228	0.254029531
SMDT1 black	0.28958892	1.79E-10	0.315012043	3.23E-12
SMIM22 black	0.143642021	0.00185847	0.175066838	0.000143248
SMURF1 black	-0.139026063	0.002604217	-0.151746665	0.001003462
SNN black	-0.138234162	0.002756674	-0.131677263	0.004366915
SNRNP35 black	0.085728095	0.064163252	0.093702642	0.042974331
SNX1 black	0.038035922	0.412183514	0.025550356	0.58179954
SNX18 black	0.018400043	0.691665219	0.008259981	0.858703845
SNX19 black	0.050681963	0.274387735	0.030489055	0.511013044
SNX22 black	0.154960165	0.000779253	0.167078381	0.000287355
SNX27 black	0.079638482	0.085592291	0.057264867	0.216755494
SNX29 black	-0.016581965	0.720789736	-0.037400849	0.420038016
SNX30 black	0.088627566	0.055633863	0.042367703	0.360963683
SON black	-0.032282217	0.486468653	-0.050603132	0.275135815
SORL1 black	0.081884043	0.077101634	0.06082354	0.189486287
SOWAHF black	0.042806019	0.356012459	0.026581195	0.566653967
SPG11 black	0.291986463	1.25E-10	0.271343047	2.52E-09
SPG7 black	0.240186857	1.49E-07	0.261852103	9.24E-09
SPIDR black	-0.0194951	0.67433676	-0.062607407	0.176805354
SPRED2 black	-0.054637973	0.238616187	-0.085247748	0.065675195
SPRN black	0.024121907	0.603093216	0.035185749	0.448111252
SPRY1 black	0.074196898	0.109306219	0.052723412	0.255496435
SPRY2 black	0.236317187	2.38E-07	0.211651065	3.95E-06

SPSB2	black	0.023634539	0.61043747	0.041225759	0.374064054
SPTBN1	black	0.065220155	0.159385648	0.051211899	0.269394758
SRCAP	black	0.034166029	0.461383581	0.027395413	0.554825904
SREBF2	black	0.290278681	1.61E-10	0.252113581	3.33E-08
SRPR	black	0.172192536	0.000184677	0.16926213	0.000238288
SSH1	black	-0.128163956	0.005542768	-0.148066178	0.001332594
ST20	black	-0.003747349	0.935629511	-0.001969728	0.966138255
STAG1	black	-0.065808182	0.155649879	-0.089013729	0.054572419
STAT3	black	0.101470629	0.028337355	0.116612055	0.011673503
STIM1	black	0.244629137	8.61E-08	0.254129123	2.57E-08
STK35	black	-0.046930046	0.311534887	-0.054397631	0.240691083
STK40	black	-0.018258371	0.693919123	-0.003123343	0.946330697
STRADA	black	-0.070712456	0.127028678	-0.087752763	0.058101946
STT3A	black	0.265509948	5.63E-09	0.240684421	1.40E-07
SUFU	black	0.136408549	0.003139569	0.081247962	0.079434175
SUMF2	black	0.183708856	6.51E-05	0.163262135	0.000396405
SUPT6H	black	0.000165892	0.997147297	0.005728993	0.901731917
SUSD1	black	0.038957836	0.400937189	0.025542934	0.581909276
SYNRG	black	0.086769557	0.060983403	0.068202399	0.141120717
SYT11	black	-0.362938621	5.50E-16	-0.356494152	1.93E-15
TACC2	black	0.121761687	0.008437358	0.114896569	0.012972819
TAF1	black	-0.085287313	0.065549564	-0.123492022	0.007545302
TAF8	black	-0.191071858	3.23E-05	-0.185420184	5.55E-05
TANGO6	black	0.2286744	5.89E-07	0.211837623	3.87E-06
TAX1BP3	black	-0.062645557	0.176541218	-0.039843332	0.390309984
TAZ	black	0.031400164	0.498461982	0.040586526	0.381523673
TBC1D14	black	-0.012404316	0.789198589	-0.042449146	0.36004046
TBC1D5	black	0.063176117	0.172898141	0.037667334	0.416731544
TCF15	black	-0.215283216	2.67E-06	-0.241863215	1.21E-07
TCF20	black	0.083233911	0.072335809	0.045535752	0.326145099
TCHP	black	0.044591601	0.33628651	0.009751392	0.833535296
TET3	black	0.069798148	0.132029758	0.055439044	0.231791432
TEX2	black	-0.161629353	0.000453936	-0.177597541	0.000114158
TEX261	black	0.043006625	0.353760716	0.050895313	0.272370062
TFE3	black	-0.144367501	0.001760913	-0.136505846	0.003118002
TGFB2	black	-0.054574541	0.23916257	-0.05135446	0.268062246
TGFBRA1	black	-0.029326196	0.52726794	-0.050972283	0.271644631
TGOLN2	black	0.000473009	0.99186617	-0.02753055	0.552874482
TIMM23F	black	0.002812972	0.951657034	-0.032481548	0.483780038
TIMP1	black	0.0003253	0.994406113	0.04114838	0.374962227
TIRAP	black	0.334099683	1.22E-13	0.308907257	8.78E-12
TJP1	black	-0.072924938	0.11553512	-0.096014424	0.038067925
TJP2	black	0.192000082	2.95E-05	0.193030646	2.67E-05
TM9SF4	black	-0.174932314	0.000144974	-0.19769863	1.68E-05
TMCO3	black	0.040864954	0.378263403	0.042522879	0.359205914

TMED4 black	-0.101430032	0.028401004	-0.112160732	0.015309471
TMEFF1 black	-0.171371118	0.000198437	-0.19593087	2.01E-05
TMEM13 black	0.15069486	0.001088903	0.132432714	0.004145629
TMEM18 black	-0.182593407	7.23E-05	-0.193969576	2.44E-05
TMEM18 black	-0.171799457	0.000191146	-0.192770523	2.74E-05
TMEM21 black	0.146290456	0.001524592	0.186205901	5.15E-05
TMEM24 black	0.14648475	0.001502411	0.11864344	0.010284783
TMEM24 black	-0.112191052	0.015281673	-0.095100547	0.039947588
TMEM86 black	-0.045356277	0.328057482	-0.032753265	0.480128055
TMEM91 black	0.03295432	0.477435461	0.027429277	0.554336587
TMSB10 black	0.153183007	0.000896756	0.187640973	4.50E-05
TNFAIP1 black	0.0267448	0.564267656	0.017966068	0.698577964
TNFRSF1black	0.262272198	8.74E-09	0.249222	4.82E-08
TNNI3 black	-0.161121076	0.000473373	-0.1559929	0.000717688
TOB2 black	0.215370312	2.64E-06	0.180689876	8.61E-05
TP53BP1 black	0.091163404	0.048966924	0.056173524	0.225656452
TPP1 black	0.081207862	0.07958312	0.083556758	0.071232339
TPR black	0.083694047	0.07076728	0.047589912	0.304772762
TRAK1 black	0.004649495	0.920179434	-0.009905821	0.830938432
TRAPPC1black	-0.072510291	0.117624738	-0.086124867	0.062936076
TRAPPC2black	-0.033539187	0.469649777	-0.014088175	0.761396682
TRIM35 black	0.138682796	0.002669334	0.130309697	0.004794812
TRIM68 black	0.266315499	5.05E-09	0.244614217	8.63E-08
TRIP12 black	0.011263911	0.808183163	-0.018581368	0.688784443
TRRAP black	-0.043187265	0.351740778	-0.050903554	0.272292331
TSC22D1 black	-0.037563312	0.418020397	-0.067480709	0.145386429
TSHZ1 black	0.163930517	0.000374876	0.152731744	0.000929094
TSPYL1 black	0.00290265	0.950117826	-0.01305174	0.778475258
TSTD2 black	0.025632993	0.580578485	0.0020959	0.963970644
TTC5 black	-0.00415135	0.928707284	-0.016599212	0.720511457
TTC7B black	-0.216759865	2.27E-06	-0.248211249	5.49E-08
TUBGCP:black	0.282396105	5.19E-10	0.25282939	3.04E-08
TULP3 black	0.11143039	0.015992594	0.091919806	0.047112772
TXLNA black	0.036770615	0.42791867	0.048046778	0.300148246
U2AF1L4black	-0.148957446	0.00124485	-0.156009175	0.000716755
UBAP2 black	0.082308686	0.075575648	0.088995358	0.054622529
UBE4B black	-0.123596432	0.007494275	-0.178521499	0.000104997
UBQLN2 black	-0.078663592	0.08950571	-0.099614804	0.031375245
UBR4 black	-0.074519548	0.107769029	-0.08687064	0.060681823
UCN black	0.26430616	6.64E-09	0.292420969	1.17E-10
UGGT1 black	0.15218522	0.0009697	0.137381273	0.002929925
UHRF1BIblack	0.011031722	0.812062697	0.008220026	0.859380209
ULBP3 black	0.193476605	2.56E-05	0.183254061	6.80E-05
UNC13B black	0.312180411	5.15E-12	0.293535273	9.84E-11
UNC5B black	0.144551997	0.001736863	0.14157276	0.002164549

UNKL	black	-0.139641939	0.002491005	-0.141760607	0.002134972
UPF1	black	0.113898934	0.01378569	0.111302773	0.016114664
URB2	black	0.112057817	0.015404155	0.093827249	0.042696908
USMG5	black	0.107999183	0.019571696	0.117861897	0.010800704
USP10	black	0.147071	0.001437266	0.139117661	0.002587088
USP30	black	-0.085411694	0.065155902	-0.108542365	0.018962369
USP36	black	-0.146451368	0.001506201	-0.185783929	5.36E-05
USP54	black	0.285627957	3.23E-10	0.257976567	1.55E-08
USP6NL	black	0.151314371	0.001037801	0.117323052	0.011169643
USP9X	black	-0.058209013	0.209260636	-0.033086451	0.475670422
UTP14C	black	-0.003976639	0.931700197	-0.028100913	0.544675424
VANGL1	black	0.047609749	0.304570994	0.040449082	0.383139407
VCL	black	-0.116012285	0.012114061	-0.116912697	0.011458046
VEZF1	black	0.092452664	0.045842234	0.071369249	0.123527776
VGLL4	black	0.006688844	0.885373042	-0.0155442	0.73760018
VHL	black	0.14884838	0.001255294	0.13808944	0.002785398
VPS11	black	0.023860337	0.607029954	0.007859154	0.865493652
WDR37	black	-0.107836806	0.019757125	-0.139912175	0.002442761
WDR45B	black	0.145407019	0.001629291	0.140112318	0.002407582
WDR82	black	0.27241782	2.17E-09	0.254577376	2.42E-08
WDR83	black	-0.024161265	0.602501849	-0.020434562	0.659606043
WIPF2	black	0.195518702	2.09E-05	0.179411672	9.68E-05
WLS	black	-0.036007628	0.437573158	-0.044372213	0.338671665
WNK1	black	-0.055561134	0.230763534	-0.081990127	0.076718088
YLPM1	black	-0.013751409	0.766933733	-0.050764802	0.27360311
ZBED3	black	0.13031115	0.004794338	0.136441817	0.003132179
ZBED4	black	0.29067574	1.52E-10	0.266798105	4.72E-09
ZBTB40	black	0.071126952	0.124810444	0.054808932	0.23714796
ZBTB48	black	-0.017688731	0.703008768	-0.035076749	0.449519563
ZBTB49	black	-0.101078256	0.028957695	-0.133957768	0.003729537
ZBTB9	black	-0.014443857	0.755561826	0.009140775	0.843820843
ZC3H14	black	0.09930703	0.031905072	0.057629862	0.213835568
ZCCHC2	black	-0.056250324	0.225021689	-0.064334591	0.1651387
ZDHHC3	black	-0.048316097	0.297444087	-0.03870308	0.404026407
ZDHHC5	black	0.15046707	0.001108269	0.137610328	0.002882448
ZDHHC7	black	0.170996844	0.000205019	0.180148023	9.05E-05
ZFAT	black	-0.213207425	3.34E-06	-0.217161138	2.17E-06
ZFP36L1	black	0.069968602	0.131086054	0.037244585	0.421984029
ZFR	black	-0.091352934	0.048496692	-0.123029191	0.007775252
ZFYVE1	black	0.018907145	0.68362002	0.033663039	0.468010107
ZFYVE9	black	-0.118877532	0.010134566	-0.161874924	0.000444814
ZGLP1	black	0.046010848	0.3211177	0.040876421	0.378129498
ZHX1-C8	black	-0.210613028	4.42E-06	-0.211757201	3.91E-06
ZHX2	black	-0.184408762	6.10E-05	-0.213544837	3.22E-06
ZMIZ1	black	-0.148561962	0.001283107	-0.167076654	0.000287398

ZMYM3	black	-0.148846541	0.001255471	-0.162668106	0.000416501
ZNF142	black	0.047011375	0.310696166	0.033602523	0.468810883
ZNF143	black	0.122874173	0.007853658	0.100122677	0.030517401
ZNF28	black	0.130576535	0.004708465	0.127216416	0.005905262
ZNF317	black	0.02473033	0.593980803	0.013493759	0.771178002
ZNF318	black	-0.133643987	0.003811921	-0.172625417	0.00017779
ZNF398	black	0.183951691	6.37E-05	0.166545928	0.000300674
ZNF425	black	-0.067139328	0.147438212	-0.105919508	0.022064907
ZNF468	black	0.186510054	5.01E-05	0.182454464	7.32E-05
ZNF511	black	0.210476411	4.48E-06	0.217488791	2.09E-06
ZNF512B	black	-0.15777737	0.000621813	-0.158921686	0.000566735
ZNF532	black	-0.167996488	0.000265676	-0.192369332	2.85E-05
ZNF608	black	-0.167132562	0.000286032	-0.161241892	0.000468684
ZNF609	black	0.098422358	0.033470784	0.090470054	0.050719769
ZNF618	black	-0.119750156	0.009591621	-0.144946936	0.001686391
ZNF619	black	-0.027737487	0.549892764	-0.051732413	0.264551409
ZNF687	black	0.02805029	0.5454007	0.006426977	0.889831546
ZNF688	black	0.084956105	0.066607372	0.114469404	0.01331555
ZNF689	black	-0.083338219	0.071977776	-0.094484164	0.041259203
ZNF692	black	0.118010698	0.010700744	0.09473289	0.040725623
ZNF746	black	0.151113837	0.001054095	0.132366554	0.004164595
ZNF770	black	-0.03573033	0.441112675	-0.061237802	0.186483484
ZNF775	black	0.035949116	0.438318657	0.027197587	0.557688609
ZNF786	black	0.070293966	0.129299188	0.048871342	0.291920405
ZNF79	black	0.107913401	0.019669467	0.091242422	0.048770415
ZNF792	black	-0.03346824	0.470590474	-0.066560516	0.150967329
ZNF821	black	0.043082056	0.35291635	0.043876455	0.344101246
ZNF860	black	0.021399389	0.644613369	0.032838706	0.478982792
ZRANB1	black	-0.118652987	0.010278618	-0.159484348	0.000541347
ZRSR2	black	0.22648801	7.59E-07	0.227007933	7.14E-07
ZSCAN22	black	0.104293372	0.024201931	0.087745109	0.058123933
ZSCAN25	black	-0.190625066	3.38E-05	-0.211028811	4.22E-06
ZXDC	black	-0.228637008	5.92E-07	-0.253990714	2.61E-08
AAED1	blue	-0.095779348	0.03854412	-0.082580116	0.074613179
AASDH	blue	-0.038752539	0.403425553	-0.072391877	0.11822688
ABCA5	blue	0.101598083	0.028138321	0.089062858	0.054438591
ABI2	blue	-0.176332655	0.000127923	-0.201391231	1.16E-05
AC02406	blue	-0.070514156	0.128100668	-0.073819883	0.111124257
AC08735	blue	-0.223349082	1.09E-06	-0.250701418	3.99E-08
ACADSB	blue	0.034474509	0.457345577	0.019281856	0.677698061
ACAP2	blue	-0.182835826	7.07E-05	-0.200477023	1.27E-05
ACER3	blue	0.041449539	0.371474012	0.028813475	0.534517571
ACOT8	blue	-0.113091598	0.014475992	-0.070753628	0.126806982
ACP2	blue	0.132619426	0.004092525	0.136455604	0.003129121
ACSL1	blue	-0.017935771	0.699061502	-0.078054222	0.092023932



ACSL4 blue	0.067002967	0.148263915	0.037666255	0.416744897
ACTL10 blue	-0.046573042	0.315234161	-0.026888742	0.562172127
ACVR2A blue	-0.14366852	0.001854821	-0.15846254	0.000588267
ACVR2B blue	-0.248239336	5.47E-08	-0.268958241	3.51E-09
ADAMTSblue	-0.172242604	0.000183868	-0.189120822	3.90E-05
ADCK1 blue	0.124387912	0.007117393	0.138476499	0.002709178
ADD3 blue	0.092966737	0.044643876	0.06738268	0.145973359
ADRBK2 blue	-0.093429768	0.043587156	-0.124525979	0.007053415
ADRM1 blue	-0.071689921	0.121845998	-0.050851928	0.272779539
AFF1 blue	0.074878135	0.106080696	0.03802137	0.412362517
AFF4 blue	0.051904949	0.262959259	0.021444041	0.643922928
AGAP3 blue	-0.057544479	0.214516073	-0.056288882	0.224703485
AGK blue	0.069225349	0.135239485	0.036384436	0.432789663
AGO4 blue	-0.123930624	0.007333018	-0.152729914	0.000929228
AGPAT2 blue	0.149993269	0.001149571	0.152187917	0.000969496
AGTPBP1blue	0.037481368	0.419037343	0.002902652	0.950117787
AGTRAP blue	0.041795002	0.36749745	0.055805633	0.228714777
AHR blue	-0.04173554	0.368180016	-0.007839533	0.865826283
AIP blue	-0.132180258	0.004218424	-0.116117928	0.012035412
AKAP10 blue	0.010868072	0.814799805	-0.013649732	0.768607834
AKAP11 blue	-0.057024604	0.218693124	-0.077915784	0.092603866
AKAP5 blue	-0.061795544	0.182496211	-0.057288999	0.21656156
AKAP9 blue	-0.0411143	0.375358231	-0.052416781	0.25827495
AL365181blue	-0.169456074	0.000234332	-0.178844199	0.000101963
ALG10B blue	-0.08936786	0.053613873	-0.104949146	0.023319516
ALG11 blue	-0.006227606	0.893228339	-0.019852388	0.66871943
ALG9 blue	0.125768049	0.0065006	0.073965779	0.110417919
ALKBH8 blue	-0.042180164	0.363095214	-0.072335409	0.118514872
ALMS1 blue	-0.050697412	0.274241293	-0.06966035	0.132796497
ALS2 blue	-0.030682323	0.508336975	-0.047704361	0.303609878
AMDHD2blue	0.0059795	0.89745819	0.046670411	0.314222383
AMN1 blue	-0.164438407	0.00035925	-0.162323473	0.00042859
ANK3 blue	0.17389685	0.00015893	0.147088628	0.001435348
ANKIB1 blue	-0.035087481	0.449380786	-0.057923003	0.211511024
ANKMY2blue	0.005477603	0.906023562	0.006856716	0.882516771
ANKRD1 blue	-0.074765761	0.106607522	-0.095231572	0.039673368
ANKRD1 blue	-0.244801421	8.43E-08	-0.230935489	4.52E-07
ANKRD1 blue	0.01050059	0.820954275	-0.029220519	0.52875806
ANKRD2 blue	-0.117075673	0.011342724	-0.132298564	0.004184168
ANKRD4 blue	-0.111366874	0.016053248	-0.135828926	0.003270881
ANKRD5 blue	0.051388493	0.267744814	0.054663635	0.238395386
ANKS1B blue	-0.219116829	1.75E-06	-0.228317432	6.14E-07
AP4E1 blue	0.114462747	0.013320953	0.109089896	0.018364963
AP5Z1 blue	0.067409105	0.145814971	0.109344498	0.018092808
APBB2 blue	-0.052951002	0.253447574	-0.092397311	0.045972862

APC	blue	-0.005204082	0.910696121	-0.030952435	0.504609223
APH1B	blue	-0.140719582	0.002303652	-0.148848871	0.001255247
APOOL	blue	-0.019110825	0.680398618	-0.045004879	0.331822728
APPBP2	blue	-0.06871644	0.138141313	-0.100639446	0.029665223
APPL1	blue	0.019398198	0.675863392	-0.006486238	0.888822272
APPL2	blue	0.027356751	0.555384812	-0.007332085	0.874436947
AQR	blue	0.186293341	5.11E-05	0.152860298	0.000919774
ARAP2	blue	-0.037554706	0.418127128	-0.038930696	0.401265613
ARFGAP	blue	-0.123527911	0.007527728	-0.097647835	0.034894888
ARFRP1	blue	-0.225300963	8.69E-07	-0.194023312	2.42E-05
ARHGAP	blue	0.049760868	0.283215266	0.017339638	0.708600272
ARHGAP	blue	-0.074579345	0.10748602	-0.111564468	0.015865219
ARHGAP	blue	-0.279812133	7.56E-10	-0.300855095	3.17E-11
ARHGAP	blue	-0.068080856	0.141832327	-0.064299778	0.165368004
ARHGAP	blue	-0.071594468	0.12234473	-0.106980161	0.020760909
ARHGEF	blue	0.055216504	0.233673351	0.032663632	0.481331103
ARHGEF	blue	-0.020438138	0.659550205	-0.033689508	0.467660086
ARHGEF	blue	0.079267744	0.08706395	0.06801913	0.142194775
ARID2	blue	0.031852166	0.49229658	-0.000852459	0.985341752
ARID4A	blue	-0.069625196	0.132992649	-0.096575262	0.036951934
ARID5B	blue	-0.178073701	0.000109347	-0.193767418	2.49E-05
ARIH1	blue	0.015492633	0.738438852	-0.008963116	0.846818497
ARL13B	blue	-0.127143692	0.005933944	-0.147289342	0.001413674
ARL2	blue	-0.193608772	2.52E-05	-0.193694353	2.50E-05
ARL8B	blue	-0.026109579	0.573559765	-0.045261852	0.329066532
ARMC5	blue	-0.066887339	0.148966829	-0.045746065	0.323913335
ARMCX3	blue	0.08798301	0.057443716	0.081080645	0.080057142
ARNTL	blue	0.002702017	0.953561686	-0.005346074	0.908270077
ARPC1B	blue	0.014445258	0.755538884	0.054494909	0.239849748
ARPIN	blue	0.122666061	0.007960028	0.120705749	0.009026845
ARPP19	blue	0.12127863	0.008702633	0.107096195	0.020622402
ARRDC1	blue	0.258040041	1.54E-08	0.294349985	8.69E-11
ARRDC3	blue	0.052983994	0.253151519	0.047808876	0.30255051
ASB7	blue	-0.135044009	0.003456652	-0.154557796	0.000804536
ASB8	blue	-0.107857346	0.019733586	-0.120367977	0.009223
ATAD2B	blue	0.005045279	0.913410384	-0.014840984	0.749063478
ATE1	blue	0.048929916	0.291341729	0.014899532	0.748106921
ATF2	blue	-0.036143384	0.435846278	-0.062657391	0.176459342
ATF7	blue	0.192251153	2.88E-05	0.171055508	0.000203974
ATF7IP	blue	-0.103634893	0.025116871	-0.114450011	0.013331297
ATG2B	blue	-0.099900248	0.0308906	-0.126896017	0.006032569
ATG4B	blue	0.00934661	0.840350591	0.018933836	0.683197547
ATL3	blue	0.046592661	0.315030131	0.042657338	0.357687158
ATM	blue	-0.128967665	0.005251124	-0.157000814	0.000661975
ATP11B	blue	-0.22646169	7.61E-07	-0.213404663	3.27E-06

ATP11C blue	-0.148222117	0.001316843	-0.155616551	0.000739582
ATP2B1 blue	-0.053707759	0.246717064	-0.070680406	0.127201467
ATP2B4 blue	-0.013680391	0.768102927	-0.03386109	0.465394672
ATP7A blue	-0.012930248	0.780484405	-0.01947791	0.674607477
ATP8A1 blue	0.059262398	0.201121511	0.03660673	0.429981905
ATR blue	-0.071883564	0.120839105	-0.087823973	0.057897707
ATRX blue	0.003069672	0.947251588	-0.019802203	0.669507346
ATXN1 blue	-0.032076949	0.48924574	-0.031875755	0.491975947
ATXN7 blue	0.083745723	0.070592874	0.059119501	0.202211922
B3GNT5 blue	-0.053405736	0.249388105	-0.078221247	0.091328125
B4GALT(blue	-0.289618848	1.78E-10	-0.322078468	9.86E-13
B4GALT'blue	0.082888102	0.073533199	0.111407133	0.016014779
BACH1 blue	-0.18192619	7.69E-05	-0.197214128	1.77E-05
BAZ2B blue	-0.0350461	0.449915997	-0.064116404	0.166579783
BBIP1 blue	0.024055095	0.604097681	0.016018089	0.729907714
BBS10 blue	-0.279762093	7.61E-10	-0.303714344	2.02E-11
BBS9 blue	-0.062282394	0.179067544	-0.091620709	0.047838783
BBX blue	0.010413151	0.822420309	-0.009817888	0.832416876
BCAP29 blue	0.069863203	0.131668969	0.061967336	0.18128086
BCAP31 blue	-0.029061688	0.531001701	-0.00898999	0.846364903
BDP1 blue	-0.040553685	0.381909369	-0.069426176	0.134107364
BEND7 blue	-0.509802663	2.94E-32	-0.523690075	3.01E-34
BHLHB9 blue	-0.239156646	1.69E-07	-0.256223995	1.95E-08
BICD1 blue	-0.146719846	0.001475968	-0.16804058	0.000264675
BIVM blue	-0.119899138	0.009501553	-0.148301943	0.001308846
BLOC1S6(blue	0.059761221	0.197348621	0.039994288	0.388515475
BLVRB blue	0.067020551	0.148157239	0.103254748	0.025658544
BMPR1A blue	0.086560949	0.061609695	0.038938552	0.40117054
BMPR2 blue	-0.098167503	0.033933812	-0.116654242	0.011643055
BNIP2 blue	-0.078378602	0.090676459	-0.10388467	0.024766358
BOLA2B blue	0.046838013	0.312485795	0.086386099	0.062138721
BRAF blue	-0.082303104	0.075595545	-0.115145495	0.012776703
BRI3 blue	-0.063827301	0.168503738	-0.013499738	0.771079434
BRWD3 blue	0.026321837	0.570446786	-0.002020884	0.965259382
BTAF1 blue	0.030887436	0.505504942	-0.007548027	0.870770851
BTBD3 blue	-0.005726938	0.901766989	-0.005145103	0.911704079
BTBD7 blue	0.004748215	0.918490467	-0.031711856	0.494206064
BTC blue	-0.110924324	0.016481474	-0.134942	0.003481486
BTG2 blue	0.145109861	0.001665964	0.098095771	0.034065116
C11orf24 blue	0.163986171	0.000373133	0.179617503	9.50E-05
C11orf30 blue	-0.026559264	0.56697422	-0.059151575	0.2019668
C11orf54 blue	0.025495002	0.58261814	-0.001093836	0.981191892
C12orf57 blue	0.118987896	0.010064424	0.145876658	0.001572839
C14orf37 blue	-0.169743555	0.000228582	-0.186670223	4.93E-05
C15orf41 blue	-0.068383861	0.140063383	-0.130320867	0.004791169

C17orf67 blue	-0.062128846	0.18014372	-0.050608914	0.275080902
C17orf80 blue	-0.151808708	0.000998621	-0.178537059	0.000104849
C17orf85 blue	0.167370965	0.000280274	0.126624818	0.006142248
C18orf25 blue	-0.106997878	0.020739709	-0.115423249	0.012560966
C20orf19 blue	-0.162662643	0.00041669	-0.179606141	9.51E-05
C21orf91 blue	-0.154679256	0.000796825	-0.170447445	0.000215054
C2orf42 blue	-0.220020189	1.58E-06	-0.241593022	1.25E-07
C3orf58 blue	-0.112523561	0.014979721	-0.093463014	0.0435121
C4orf29 blue	0.126477423	0.006202605	0.142269697	0.002056662
C4orf48 blue	0.102410589	0.026897518	0.127357168	0.005850102
C5orf24 blue	-0.010626991	0.818836093	-0.039188376	0.398153834
C6orf1 blue	0.112324627	0.015159737	0.138986685	0.002611613
C6orf120 blue	-0.079427673	0.086426628	-0.100458195	0.029961762
C7orf60 blue	-0.087243155	0.059581041	-0.099775852	0.031101014
C8orf37 blue	0.026103848	0.573643936	0.006500583	0.888577993
C9orf72 blue	0.003225862	0.944571874	-0.010382121	0.822940711
C9orf89 blue	0.011895399	0.797655966	0.04858786	0.2947319
CA13 blue	0.022285432	0.630970524	-0.01011168	0.827479595
CACFD1 blue	0.189982096	3.59E-05	0.203021328	9.79E-06
CALCOC blue	-0.093364024	0.043735902	-0.11277604	0.014753956
CAMK2E blue	0.161630772	0.000453883	0.137605214	0.002883501
CAP2 blue	-0.126043576	0.006383364	-0.152958057	0.000912744
CAPN2 blue	0.181081979	8.31E-05	0.191379105	3.14E-05
CAPN7 blue	-0.046153273	0.31962046	-0.076629004	0.09813534
CAPNS1 blue	0.177633591	0.000113787	0.210093403	4.67E-06
CARF blue	-0.100533142	0.029838837	-0.121047582	0.008832121
CASD1 blue	0.059380381	0.200224435	0.033644549	0.468254693
CASP8A1 blue	-0.064953143	0.161104138	-0.091872283	0.047227506
CBLB blue	0.104218266	0.024304812	0.098822568	0.032754549
CCDC121 blue	-0.033155401	0.474750789	-0.06144462	0.18499753
CCDC122 blue	-0.014338838	0.757283211	-0.019105022	0.680490314
CCDC124 blue	0.018641018	0.687837753	0.03460209	0.45568135
CCDC132 blue	-0.036001571	0.437650289	-0.066300032	0.152576326
CCDC169 blue	-0.066233819	0.152987385	-0.07315475	0.114389575
CCDC171 blue	0.014029268	0.762364365	-0.008343778	0.857285657
CCDC186 blue	0.071504617	0.122815643	0.054433371	0.240381734
CCDC50 blue	-0.271318828	2.53E-09	-0.283072117	4.70E-10
CCDC68 blue	-0.09009666	0.051685247	-0.094369546	0.041507068
CCDC711 blue	-0.142601487	0.002007048	-0.133971901	0.003725865
CCDC82 blue	-0.096035431	0.038025615	-0.124361225	0.007129819
CCDC851 blue	-0.121519722	0.00856932	-0.127166756	0.005924834
CCDC881 blue	-0.202671251	1.02E-05	-0.208073331	5.78E-06
CCDC91 blue	-0.132301891	0.004183208	-0.15156067	0.001018106
CCM2 blue	-0.010601398	0.819264869	0.030969405	0.504375499
CCNG2 blue	-0.03241437	0.484685251	-0.050168831	0.279282074

CCNT1	blue	-0.117905751	0.010771159	-0.15397385	0.000842579
CCP110	blue	0.061854925	0.182075437	0.039792736	0.390912579
CCSER2	blue	0.231374661	4.29E-07	0.217072502	2.19E-06
CD109	blue	-0.074900697	0.10597517	-0.080819103	0.081038862
CD151	blue	0.143260697	0.001911709	0.160804726	0.000485858
CDC14A	blue	0.089054258	0.054461999	0.067145154	0.147403012
CDC14B	blue	-0.087190139	0.059736689	-0.110634245	0.01676756
CDK13	blue	-0.128208695	0.005526158	-0.150802408	0.001079868
CDK14	blue	-0.080494458	0.082270967	-0.096500684	0.037098714
CDK17	blue	-0.184420552	6.09E-05	-0.209707356	4.86E-06
CDK19	blue	-0.111025537	0.016382664	-0.132731326	0.004060994
CDK2AP	blue	0.162976373	0.000405957	0.181327081	8.12E-05
CDS2	blue	-0.180575311	8.71E-05	-0.187014266	4.77E-05
CENPB	blue	0.015896301	0.731882094	0.019714381	0.67088703
CENPC	blue	-0.08832544	0.056476219	-0.120107163	0.009377049
CEP120	blue	0.022680364	0.624929358	-0.003485432	0.940119873
CEP128	blue	-0.05237039	0.258697133	-0.065596192	0.15698895
CEP135	blue	-0.103717405	0.025000612	-0.128935273	0.005262605
CEP152	blue	0.083339498	0.071973395	0.061690656	0.183241196
CEP192	blue	-0.096380034	0.037337218	-0.125537977	0.00659997
CEP295	blue	-0.029338831	0.527089919	-0.059073605	0.202563057
CEP44	blue	-0.141754756	0.002135887	-0.158782925	0.000573164
CEP68	blue	-0.171134038	0.000202583	-0.207418231	6.20E-06
CEP85L	blue	-0.183356024	6.73E-05	-0.202753615	1.01E-05
CEP97	blue	-0.01050716	0.820844142	-0.023822101	0.607606381
CEPT1	blue	-0.044071498	0.34195855	-0.071632577	0.122145426
CFAP97	blue	0.095370393	0.039384571	0.057172107	0.217502104
CFLAR	blue	-0.079076931	0.087829289	-0.065898769	0.155080314
CGGBP1	blue	-0.040504925	0.382482438	-0.069858092	0.13169729
CHD1	blue	0.015440557	0.739286116	-0.017144744	0.711728778
CHD2	blue	0.023353681	0.614687675	-0.011969241	0.796427325
CHD6	blue	-0.088440266	0.056154835	-0.120824556	0.008958739
CHD9	blue	0.047428217	0.306420716	0.027662624	0.550970545
CHIC1	blue	-0.10166865	0.028028639	-0.109647349	0.017773668
CHID1	blue	0.144700714	0.001717697	0.144459187	0.001748923
CHM	blue	-0.188129362	4.29E-05	-0.215286691	2.66E-06
CHMP4B	blue	-0.14871433	0.001268241	-0.130249703	0.004814421
CHORDC	blue	-0.046811422	0.312760896	-0.072493384	0.117710561
CHPF	blue	0.212622395	3.56E-06	0.210881859	4.29E-06
CHSY1	blue	-0.058561579	0.206510422	-0.092141196	0.046581351
CHURC1	blue	0.035961495	0.438160877	0.016151187	0.727751996
CIB1	blue	0.365345864	3.41E-16	0.408999469	2.94E-20
CLASP2	blue	0.04707911	0.309998762	0.011865641	0.798151226
CLCN5	blue	-0.086252426	0.062545683	-0.121528422	0.008564544
CLCN6	blue	-0.322730084	8.82E-13	-0.352498292	4.14E-15

CLDN12 blue	0.083453832	0.071582632	0.076514226	0.09864125
CLDND1 blue	-0.136984266	0.0030139	-0.168672367	0.000250704
CLIC4 blue	-0.150279379	0.001124464	-0.170537147	0.000213384
CLIP1 blue	0.068883338	0.137184424	0.056117179	0.226122955
CLIP4 blue	-0.356868587	1.79E-15	-0.385830181	5.02E-18
CLOCK blue	-0.023742548	0.60880645	-0.033619326	0.468588464
CLTB blue	0.147715193	0.001368682	0.197247442	1.76E-05
CMTR2 blue	0.052089179	0.261266494	0.040552616	0.381921926
CNFN blue	0.160842631	0.000484346	0.180793867	8.53E-05
CNKS3 blue	0.052213687	0.260126726	0.041397792	0.372071952
CNOT2 blue	-0.074161247	0.109477127	-0.098325177	0.033646707
CNOT4 blue	-0.112796642	0.014735666	-0.129510536	0.005062027
CNOT6L blue	0.033764007	0.466675725	0.006508365	0.888445478
CNTLN blue	-0.042316226	0.361547985	-0.055062683	0.234980449
CNTRL blue	0.061786974	0.182556997	0.044061521	0.342067949
COG5 blue	-0.035624264	0.442470846	-0.062128406	0.180146811
COL4A3F blue	0.180703918	8.60E-05	0.185054645	5.74E-05
COL4A5 blue	0.100018122	0.030692344	0.05225448	0.259754055
COMT blue	0.301906629	2.69E-11	0.305853399	1.43E-11
COPE blue	0.230291006	4.88E-07	0.266144712	5.17E-09
CORO1B blue	0.248198428	5.49E-08	0.271617983	2.42E-09
CPEB2 blue	-0.028971318	0.53228042	-0.043918225	0.343641655
CPEB3 blue	0.120293995	0.009266467	0.124280317	0.00716761
CPEB4 blue	0.098245083	0.033792288	0.080215	0.083343659
CPNE8 blue	-0.333322146	1.40E-13	-0.330867609	2.16E-13
CPSF3L blue	0.0679136	0.142816072	0.072135097	0.119540904
CPTP blue	0.065356268	0.158514954	0.090076204	0.05173858
CRAMP1 blue	-0.098321601	0.033653195	-0.127734661	0.005704445
CRBN blue	-0.2126343	3.55E-06	-0.235910276	2.50E-07
CREB1 blue	-0.176945063	0.000121074	-0.202173651	1.07E-05
CREB5 blue	0.10807746	0.019482849	0.103399523	0.025451077
CREBL2 blue	-0.068615376	0.138723236	-0.067126379	0.147516467
CREBZF blue	-0.107313618	0.020365029	-0.140172853	0.002397033
CRIP2 blue	0.121224467	0.008732835	0.153672186	0.000862877
CRK blue	0.090288336	0.051187737	0.094200235	0.041875507
CRLF3 blue	0.058782227	0.204802605	0.044111375	0.341521517
CROT blue	-0.001847294	0.968241891	-0.030749575	0.5074075
CSGALN blue	-0.068973495	0.136669647	-0.101290893	0.028620085
CSNK1G blue	-0.022971313	0.620494775	-0.065314823	0.158779691
CSRNP2 blue	0.008311788	0.857827013	-0.02711229	0.558925139
CSRNP3 blue	-0.11358222	0.01405296	-0.134915944	0.003487855
CTBS blue	-0.100872325	0.029287911	-0.100886884	0.029264459
CTD-310 blue	-0.129681195	0.005003862	-0.132678214	0.004075932
CTDSPL2 blue	0.026122804	0.573365571	-0.009475234	0.838183646
CTTNBP2 blue	-0.154145688	0.000831215	-0.174768552	0.000147102

CUL4B	blue	-0.134761638	0.00352579	-0.144014217	0.001807818
CUTA	blue	-0.00691055	0.881601129	0.011158062	0.809951168
CWF19L2	blue	-0.174224342	0.000154385	-0.207573664	6.10E-06
CXXC1	blue	0.135737205	0.003292111	0.135942506	0.003244763
CYB561E	blue	0.303174622	2.20E-11	0.338145774	5.91E-14
CYBA	blue	0.151374703	0.001032944	0.195614761	2.07E-05
CYP20A1	blue	0.111527316	0.015900424	0.109468695	0.017961331
CYP39A1	blue	0.044676544	0.335365915	0.029779472	0.520900747
DAAM1	blue	0.044553485	0.336700121	0.025571653	0.581484747
DACH1	blue	-0.032955754	0.477416286	-0.037702233	0.416299663
DCAF10	blue	-0.015272567	0.742021404	-0.034317925	0.459392795
DCAF16	blue	-0.062178659	0.179794074	-0.079862142	0.084714202
DCAF17	blue	-0.108058627	0.019504194	-0.137337602	0.002939057
DCAF5	blue	0.028850017	0.533999234	0.021003537	0.650747639
DCBLD2	blue	-0.008510387	0.854467335	-0.007961986	0.863750768
DCP2	blue	0.017210135	0.710678552	-0.004923091	0.915499506
DCTN4	blue	0.110674527	0.016727574	0.078408007	0.090555097
DCUN1D	blue	0.005921496	0.898447495	-0.009026895	0.845742103
DCUN1D	blue	0.063761761	0.16894221	0.022847249	0.622384072
DDAH2	blue	-0.139885038	0.002447567	-0.154444425	0.000811795
DDHD1	blue	0.012089395	0.794429206	-8.80E-05	0.998486746
DDI2	blue	0.064504217	0.164024833	0.039051361	0.399806644
DDRKG1	blue	0.078746645	0.089166817	0.104993741	0.023260533
DDX41	blue	0.07810917	0.091794559	0.111360979	0.016058887
DDX49	blue	0.063639225	0.169764271	0.092700481	0.045261216
DDX5	blue	0.060668814	0.190616897	0.033504656	0.470107506
DDX6	blue	0.039179891	0.39825607	0.003130368	0.946210176
DEAF1	blue	0.162049948	0.000438416	0.151146488	0.001051426
DECR2	blue	0.383928901	7.53E-18	0.394802236	7.19E-19
DENND2	blue	-0.139495809	0.002517453	-0.156569245	0.00068532
DENND4	blue	-0.00724046	0.875993302	-0.020208001	0.663146748
DENND4	blue	-0.045270957	0.32896914	-0.056719598	0.2211707
DENND5	blue	-0.277369771	1.07E-09	-0.283982711	4.12E-10
DENND6	blue	-0.03416017	0.461460476	-0.053543012	0.248171572
DGKE	blue	0.040191661	0.386176749	0.052718003	0.255545271
DGKZ	blue	0.019209895	0.678833807	0.03711209	0.423638152
DHFRL1	blue	0.055035168	0.235214795	0.037377217	0.420331983
DHPS	blue	0.018389977	0.691825275	0.029806174	0.520526893
DHRS1	blue	0.023191455	0.617148521	0.037680653	0.416566693
DHRS4	blue	0.075768777	0.101977696	0.095110329	0.03992706
DHX40	blue	-0.007455057	0.872348888	-0.043413652	0.349219603
DIAPH2	blue	-0.097316714	0.035519273	-0.117680369	0.010923769
DICER1	blue	-0.016549671	0.721310873	-0.038760814	0.403325072
DIS3L	blue	0.135605029	0.003322926	0.115209322	0.01272684
DMXL1	blue	-0.004148527	0.928755642	-0.03439531	0.458380408

DNAJB14blue	0.003583307	0.938441655	-0.009268531	0.841666602
DNAJB2 blue	0.056475138	0.223170892	0.073430687	0.113025902
DNAJB4 blue	-0.183810195	6.45E-05	-0.191462973	3.11E-05
DNAJB6 blue	-0.208002244	5.83E-06	-0.226892596	7.24E-07
DNAJC13blue	-0.163880276	0.000376456	-0.19810116	1.62E-05
DNAJC16blue	0.042839473	0.355636324	0.025729168	0.57915888
DNAJC24blue	-0.019159955	0.679622435	-0.041234974	0.373957181
DNAJC27blue	-0.176306229	0.000128226	-0.207760202	5.98E-06
DNAJC4 blue	0.231314205	4.33E-07	0.236950991	2.21E-07
DNASE11blue	0.131586435	0.004394226	0.16189221	0.000444178
DOCK11 blue	-0.122586214	0.00800118	-0.125547836	0.006595684
DOPEY1 blue	-0.041114521	0.375355657	-0.059321618	0.200670869
DPH6 blue	-0.028658979	0.536711856	-0.017997783	0.698071929
DPM3 blue	0.287797473	2.34E-10	0.299329797	4.02E-11
DPP7 blue	0.216133624	2.43E-06	0.217801831	2.02E-06
DPP8 blue	0.025958358	0.575782466	0.004563779	0.921646189
DST blue	-0.116998513	0.011397194	-0.117390978	0.011122528
DSTYK blue	-0.161401993	0.000462537	-0.186590497	4.97E-05
DTWD1 blue	0.096926778	0.03626672	0.070153375	0.130068972
DTWD2 blue	0.123863704	0.007365058	0.110094248	0.017311716
DTX2 blue	0.179792948	9.35E-05	0.219303916	1.71E-06
DVL1 blue	0.004760831	0.918274664	0.003447085	0.940777463
DYRK1Ablue	-0.085404441	0.065178804	-0.102497141	0.026768161
ECSIT blue	-0.057111082	0.217994288	-0.051932336	0.262707142
EDRF1 blue	0.178834888	0.00010205	0.14104391	0.002249839
EEA1 blue	-0.023016646	0.619805048	-0.04178004	0.367669124
EEFSEC blue	-0.078703261	0.089343712	-0.073755025	0.111439396
EFCAB14blue	-0.003377347	0.94197347	-0.034678839	0.454681826
EFCAB7 blue	-0.060286189	0.193434036	-0.080984652	0.080416335
EFR3A blue	-0.125856753	0.006462648	-0.15728245	0.000647139
EHBP1 blue	-0.216957454	2.22E-06	-0.249795465	4.48E-08
EID1 blue	-0.003935912	0.932398009	-0.024500367	0.597417598
EIF2AK4 blue	0.140830751	0.002285076	0.12372918	0.007429845
EIF2B4 blue	0.132936661	0.004003706	0.142750578	0.001985113
EIF3G blue	-0.044157924	0.34101182	-0.028948673	0.532601073
EIF3K blue	-0.157142001	0.000654499	-0.14146826	0.002181164
EIF4A1 blue	0.005962862	0.897741955	-0.037501324	0.418789554
EIF4A2 blue	-0.234766026	2.87E-07	-0.269753912	3.14E-09
EIF4E3 blue	-0.174351884	0.000152648	-0.187044791	4.76E-05
EIF4G3 blue	-0.043574765	0.347432335	-0.072827663	0.116022708
EIF6 blue	-0.070429264	0.128561719	-0.057313153	0.216367581
ELF2 blue	-0.033656784	0.468092839	-0.057101663	0.218070322
ELK4 blue	-0.06341777	0.171257524	-0.074483265	0.107941034
ELOF1 blue	-0.069313503	0.134741632	-0.047081981	0.309969232
ELP2 blue	-0.016930706	0.715170174	-0.051040202	0.271005612



EMC10	blue	0.18334789	6.74E-05	0.165896673	0.000317693
EML4	blue	-0.073942002	0.110532787	-0.077244386	0.095458033
ENTPD5	blue	0.204269606	8.61E-06	0.175540513	0.000137322
EOGT	blue	0.106655627	0.021152602	0.093378584	0.043702923
EPB41L2	blue	-0.050046136	0.280461072	-0.052053259	0.261595949
EPB41L5	blue	-0.067659572	0.144320154	-0.108533417	0.018972272
EPC1	blue	-0.042440436	0.360139127	-0.066750793	0.149800164
EPM2AIP	blue	-0.540263414	9.60E-37	-0.539680075	1.18E-36
EPN1	blue	-0.02470862	0.594304873	0.010783173	0.816220677
EPS15	blue	-0.145032886	0.001675586	-0.153354956	0.00088471
EPS8	blue	0.1615638	0.000456401	0.144533077	0.001739316
ERCC2	blue	0.079787646	0.085005861	0.073528305	0.112546546
ERCC4	blue	-0.093471761	0.043492373	-0.103619305	0.025138888
ERCC6	blue	0.012367535	0.789809018	0.012789552	0.782812957
ERCC6L2	blue	-0.002051031	0.964741469	-0.024686093	0.594641228
ERGIC3	blue	0.019933504	0.667446685	0.026640019	0.565795422
ERMAP	blue	-0.071757528	0.121493721	-0.114879876	0.012986065
ERN1	blue	0.131522221	0.004413628	0.108679769	0.018810879
ERRFI1	blue	0.107569611	0.020065582	0.084256018	0.068889439
ERV3-1	blue	0.064706477	0.162704053	0.051273956	0.268814161
ETAA1	blue	0.049308941	0.287615793	0.033982522	0.463795081
ETFB	blue	0.132553619	0.004111171	0.158896058	0.000567917
EVI5	blue	-0.027641318	0.551277467	-0.03794124	0.413348991
EXOC1	blue	-0.040951862	0.377249257	-0.061711352	0.183094019
EXPH5	blue	0.254704947	2.38E-08	0.252116187	3.33E-08
EXTL2	blue	-0.037463028	0.419265144	-0.071577988	0.122430997
FAM102E	blue	0.0918705	0.047231816	0.060417439	0.192464267
FAM120E	blue	0.035890569	0.439065337	0.016495292	0.722188724
FAM120C	blue	-0.12518689	0.006754232	-0.117060534	0.011353393
FAM122A	blue	0.027789639	0.549142567	0.022552893	0.62687653
FAM122E	blue	-0.145560411	0.001610651	-0.157628152	0.000629351
FAM122C	blue	-0.074514623	0.107792362	-0.080306901	0.082989662
FAM126A	blue	-0.033253168	0.473448474	-0.050739055	0.273846819
FAM135A	blue	-0.160350766	0.00050431	-0.177906186	0.000111017
FAM13A	blue	0.159726665	0.000530742	0.143304317	0.001905549
FAM13B	blue	-0.059211888	0.201506455	-0.084301445	0.068739444
FAM160E	blue	0.033914408	0.464691952	0.017950379	0.698828347
FAM161A	blue	-0.142335325	0.002046761	-0.174562092	0.000149826
FAM171E	blue	-0.004493336	0.922851814	-0.011226152	0.808813748
FAM172A	blue	-0.041945557	0.365772738	-0.07142493	0.123234462
FAM175A	blue	-0.132058291	0.004254005	-0.168725765	0.000249556
FAM178A	blue	-0.002997079	0.948497265	-0.042181782	0.363076793
FAM184A	blue	-0.319612095	1.50E-12	-0.313461306	4.17E-12
FAM188A	blue	-0.035002203	0.450484144	-0.065389837	0.158300776
FAM19A	blue	-0.048911286	0.291525703	-0.040037801	0.38799915

FAM207#blue	-0.0170502	0.713248172	-0.002309829	0.960296015
FAM208#blue	-0.06013611	0.194547294	-0.090500599	0.05064146
FAM208Eblue	-0.068214388	0.141050671	-0.097770465	0.034666031
FAM214#blue	0.187991462	4.35E-05	0.189452937	3.78E-05
FAM217Eblue	-0.161510633	0.000458409	-0.183501197	6.64E-05
FAM227Eblue	0.019628544	0.672236601	0.006955849	0.880830778
FAM3A blue	-0.076847332	0.09717871	-0.075301121	0.104116104
FAM58A blue	-0.06660088	0.150719159	-0.026844444	0.56281662
FAM63B blue	-0.148173258	0.001321759	-0.155121174	0.000769344
FAM73A blue	-0.183449464	6.67E-05	-0.193625346	2.52E-05
FAM76A blue	-0.00806909	0.861936172	-0.023569053	0.611427309
FAM8A1 blue	-0.04682211	0.312650301	-0.061737422	0.182908758
FAS blue	0.11424686	0.013497247	0.100717277	0.029538659
FBL blue	-0.145826128	0.001578825	-0.142390741	0.002038434
FBXL15 blue	0.174984206	0.000144306	0.200968054	1.21E-05
FBXL17 blue	0.021997152	0.635395867	-0.0141857	0.759795466
FBXL3 blue	-0.182026539	7.62E-05	-0.199549353	1.40E-05
FBXL4 blue	-0.010192202	0.826127557	-0.018386848	0.691875036
FBXL5 blue	0.146735007	0.001474277	0.143632674	0.001859758
FBXO3 blue	0.008443349	0.85560112	-0.011242574	0.80853947
FBXO30 blue	-0.109185941	0.01826188	-0.126774695	0.006081415
FBXO38 blue	0.029851172	0.519897188	-0.000952199	0.983626913
FBXO42 blue	0.030864217	0.505825121	0.009283441	0.841415256
FBXO44 blue	-0.157829339	0.000619208	-0.165816906	0.000319845
FBXO48 blue	-0.140568403	0.002329135	-0.139174797	0.002576455
FBXO8 blue	-0.056573632	0.222363456	-0.063125297	0.173244651
FBXO9 blue	0.009286505	0.841363615	-0.002968745	0.948983508
FBXW5 blue	0.261893736	9.19E-09	0.29619177	6.55E-11
FCHO2 blue	0.051596459	0.265810649	0.043605353	0.347093672
FCHSD2 blue	-0.106908125	0.020847304	-0.101705734	0.027971149
FEM1B blue	-0.113150653	0.014424487	-0.130056299	0.00487813
FEM1C blue	0.097625348	0.034936994	0.075295752	0.10414086
FER blue	-0.064463522	0.164291545	-0.098923919	0.032575256
FEZ2 blue	-0.224300075	9.75E-07	-0.222319428	1.22E-06
FGD4 blue	0.008192947	0.859838655	-0.000297776	0.994879417
FGD6 blue	0.086249149	0.062555686	0.089610793	0.052964449
FIS1 blue	-0.060487414	0.191948704	-0.026273323	0.571157592
FIZ1 blue	-0.001745188	0.969996412	-0.000836662	0.985613344
FKBP14 blue	0.144748733	0.00171155	0.135794586	0.003278815
FKBP8 blue	0.018524147	0.689693059	0.04487202	0.333253553
FKTN blue	0.106540718	0.021292819	0.074452651	0.108086333
FLOT1 blue	-0.203825862	9.01E-06	-0.210714901	4.37E-06
FLOT2 blue	0.111240683	0.016174349	0.128095539	0.005568255
FMNL2 blue	-0.105249282	0.022925027	-0.114369695	0.01339669
FNDC3A blue	0.10200015	0.027518299	0.070779236	0.126669247

FNDC3B	blue	0.046744076	0.313458337	0.026306956	0.570664768
FNIP1	blue	-0.026093456	0.57379656	-0.03924523	0.397469215
FNIP2	blue	0.129755675	0.004978667	0.112724144	0.014800115
FOXN2	blue	-0.094779665	0.040625932	-0.123555969	0.007514013
FOXO3	blue	-0.042405397	0.360536206	-0.06981449	0.131939057
FPGS	blue	0.117150291	0.011290268	0.154456311	0.000811031
FRMD4B	blue	0.056169749	0.225687683	0.017997133	0.698082298
FRS2	blue	-0.044981916	0.33206975	-0.070724276	0.126965001
FRYL	blue	0.112807962	0.014725625	0.100836727	0.029345319
FUT11	blue	0.142602924	0.002006836	0.156068714	0.000713351
FZD6	blue	0.062867193	0.175012487	0.031180908	0.501467356
G6PC3	blue	0.279433613	7.98E-10	0.280711128	6.64E-10
GAB1	blue	-0.056500738	0.222960828	-0.087689575	0.058283675
GABPB2	blue	0.097114038	0.035906119	0.089443167	0.053411851
GALNT1	blue	0.08471361	0.067390702	0.045219229	0.329522661
GANC	blue	0.20622121	7.03E-06	0.211131794	4.18E-06
GAPVD1	blue	0.115617181	0.012412248	0.112359635	0.015127921
GAREM	blue	0.048388459	0.296720303	0.037093115	0.423875354
GATAD1	blue	0.088564244	0.055809541	0.059216744	0.201469422
GCC2	blue	-0.071834424	0.121094006	-0.090656614	0.050243055
GCLC	blue	-0.063734516	0.169124732	-0.098434012	0.03344974
GDAP1	blue	-0.248708395	5.15E-08	-0.271948004	2.31E-09
GDAP2	blue	-0.053481321	0.248717759	-0.053326707	0.250090338
GK5	blue	0.106823525	0.020949165	0.091184887	0.048913432
GLCCII	blue	-0.026750241	0.564188363	-0.038537606	0.406040568
GLS	blue	-0.207076697	6.42E-06	-0.217934176	1.99E-06
GNA13	blue	-0.159968581	0.000520347	-0.185295762	5.61E-05
GNAI1	blue	-0.130979315	0.004580783	-0.139692935	0.002481835
GNAQ	blue	0.072921597	0.115551838	0.069394417	0.13428591
GNB1L	blue	-0.06189234	0.181810686	-0.041438775	0.37159834
GNG12	blue	0.020435227	0.659595649	-0.014190261	0.7597206
GNPDA2	blue	-0.027745397	0.54977896	-0.043555877	0.347641568
GNPTAB	blue	0.162255534	0.000431011	0.169639469	0.000230648
GOLGA1	blue	0.292869254	1.09E-10	0.285810523	3.14E-10
GOLGA8	blue	-0.144568451	0.001734733	-0.154164641	0.00082997
GOLGA8	blue	-0.086679383	0.06125348	-0.091087466	0.049156394
GOLGB1	blue	-0.003010489	0.948267141	-0.023695422	0.60951785
GOLIM4	blue	0.062791401	0.17553415	0.046786235	0.313021612
GOSR1	blue	0.084926026	0.066704128	0.071644499	0.122083123
GPATCH	blue	0.13357485	0.003830293	0.115694867	0.012353111
GPC6	blue	-0.016236906	0.72636479	-0.060435973	0.192327616
GPD1L	blue	0.134503118	0.003590185	0.116316844	0.011888546
GPM6B	blue	-0.00057685	0.99008062	0.006172249	0.89417185
GPR125	blue	-0.122196958	0.008204526	-0.169567331	0.000232091
GPR126	blue	-0.037401596	0.420028728	-0.029176682	0.529376826

GPX1	blue	0.038301818	0.408920893	0.091366542	0.048463076
GPX8	blue	-0.170130722	0.000221045	-0.144812634	0.001703401
GRIP1	blue	0.063953612	0.167661115	0.038065566	0.411819013
GRN	blue	0.062508424	0.177492048	0.076827492	0.097265334
GSDMD	blue	0.016545199	0.721383061	0.042584731	0.358506773
GSTP1	blue	-0.032974732	0.47716256	-0.002891812	0.950303829
GTF3C3	blue	-0.081905879	0.07702256	-0.106610062	0.021208105
GTF3C5	blue	0.197019719	1.80E-05	0.191092855	3.23E-05
GTPBP6	blue	0.064455578	0.164342318	0.072112758	0.119655754
GUK1	blue	0.15611151	0.000710914	0.208298244	5.65E-06
GULP1	blue	0.052867808	0.254195195	0.047930618	0.301319608
GVQW1	blue	-0.099033255	0.032382778	-0.110660583	0.016741407
GXYLT2	blue	-0.062071517	0.180546751	-0.076004399	0.100913569
GZF1	blue	-0.141729385	0.002139862	-0.159040061	0.000561304
HACE1	blue	-0.096919689	0.036280431	-0.137150792	0.002978414
HCFC2	blue	-0.078727502	0.089244839	-0.09221536	0.04640446
HDAC9	blue	0.04101798	0.376478838	0.034189425	0.461076643
HDX	blue	-0.394124691	8.35E-19	-0.414521915	8.11E-21
HEATR5	blue	0.045349816	0.328126462	0.025870216	0.577079868
HEATR5I	blue	0.125115179	0.006786135	0.104162554	0.024381373
HEATR6	blue	-0.097319494	0.035513991	-0.132776329	0.004048375
HECA	blue	-0.126648727	0.006132507	-0.124891844	0.00688636
HECTD2	blue	-0.134231095	0.003659093	-0.155232342	0.00076257
HELZ	blue	-0.031912337	0.49147892	-0.051596701	0.2658084
HERC3	blue	0.077303751	0.09520287	0.079640918	0.085582687
HERC4	blue	0.038606235	0.405204486	0.006258546	0.892701071
HERPUD	blue	-0.13149565	0.004421679	-0.152166053	0.000971154
HFM1	blue	-0.289069886	1.93E-10	-0.312165016	5.16E-12
HIATL2	blue	0.116816475	0.011526618	0.121632973	0.008507329
HIPK3	blue	-0.091430806	0.048304588	-0.093114156	0.044305127
HM13	blue	-0.089859985	0.052305114	-0.076083212	0.100559606
HOOK3	blue	-0.01471764	0.751079937	-0.045542288	0.326075597
HP1BP3	blue	-0.089278128	0.05385542	-0.130606178	0.00469896
HPS5	blue	-0.004524167	0.922324131	-0.017209124	0.710694793
HS6ST2	blue	-0.034915333	0.451609685	-0.040060346	0.387731779
HSD17B8	blue	-0.029839236	0.52006419	-0.016699726	0.71889045
HSPB1	blue	0.062310919	0.178868146	0.10238529	0.026935432
HYAL2	blue	0.087327389	0.059334433	0.083679985	0.070814801
IBTK	blue	0.105261777	0.02290873	0.091919748	0.047112911
ICE2	blue	0.10831425	0.019216219	0.087120026	0.059943045
ICK	blue	0.144168205	0.001787234	0.12075388	0.008999199
IDS	blue	-0.150688834	0.001089411	-0.167113163	0.000286505
IFNAR1	blue	-0.056721514	0.221155072	-0.05263657	0.256281234
IFNGR1	blue	-0.109002089	0.018459649	-0.112906135	0.014638797
IKZF2	blue	0.037455663	0.419356646	0.035388371	0.445499981

IKZF4	blue	-0.214059125	3.05E-06	-0.216547698	2.32E-06
IKZF5	blue	-0.04133748	0.3727696	-0.072738604	0.116470521
IL1R1	blue	0.003612545	0.937940386	0.013337152	0.773761147
IL1RAP	blue	-0.123436718	0.007572455	-0.118681965	0.010259926
IL6ST	blue	0.040661537	0.380643645	0.011774243	0.799672909
IMPDH1	blue	0.18970667	3.69E-05	0.223981843	1.01E-06
INADL	blue	0.127711143	0.005713423	0.092501225	0.045727889
ING3	blue	-0.099503779	0.031565497	-0.122908874	0.007836046
INO80D	blue	-0.029228248	0.528649002	-0.0461472	0.319684202
INPP4B	blue	-0.07241941	0.118086658	-0.052340446	0.258969889
INPP5F	blue	-0.010495658	0.821036947	-0.023149119	0.617791432
INTS6	blue	-0.02084285	0.653244465	-0.031778434	0.493299514
INVS	blue	0.099825027	0.031017689	0.06708126	0.147789401
IRAK1BP	blue	-0.046958073	0.311245682	-0.058602295	0.206194505
IRAK4	blue	0.164211264	0.000366162	0.155346316	0.000755683
ITCH	blue	-0.11108557	0.016324302	-0.133127255	0.003951187
ITFG3	blue	0.160328369	0.000505237	0.196250417	1.94E-05
ITGAV	blue	-0.109504913	0.017923148	-0.122101914	0.008254871
ITGB8	blue	-0.121982782	0.008318365	-0.127883433	0.005647942
ITPR2	blue	0.024283546	0.600666214	0.00105714	0.981822747
ITSN1	blue	-0.143284829	0.001908299	-0.18018908	9.02E-05
ITSN2	blue	-0.012464384	0.78820197	-0.017615786	0.704175837
JAK2	blue	-0.042936651	0.354545133	-0.032186559	0.487761761
JMJD1C	blue	-0.043543213	0.34778189	-0.078449721	0.090383159
JMJD7-PI	blue	0.151942095	0.000988285	0.130867771	0.004615826
JMJD8	blue	0.118229298	0.010555382	0.145340207	0.001637471
JMY	blue	-0.20688386	6.55E-06	-0.236349629	2.38E-07
JOSD2	blue	0.075040689	0.105322261	0.098074796	0.034103593
JRKL	blue	-0.013663853	0.768375267	-0.05197975	0.262271053
KANSL1	blue	-0.166348961	0.000305745	-0.188128001	4.29E-05
KANSL3	blue	-0.323759926	7.40E-13	-0.370119045	1.31E-16
KAT2B	blue	0.01405536	0.761935694	0.00331986	0.942959472
KBTBD2	blue	-0.149111885	0.001230197	-0.176511089	0.000125891
KBTBD3	blue	0.015545384	0.737580929	-0.001516016	0.973934881
KBTBD6	blue	0.053411566	0.249336355	0.05855026	0.206598308
KBTBD7	blue	0.136759956	0.003062309	0.1248462	0.006907006
KCNIP4	blue	-0.192624871	2.78E-05	-0.212121258	3.76E-06
KCNT2	blue	-0.348807286	8.31E-15	-0.336711952	7.64E-14
KCTD6	blue	-0.068047547	0.142027829	-0.06788393	0.142991125
KDELC2	blue	0.150429862	0.001111462	0.124629123	0.007005956
KDM3A	blue	-0.078782597	0.089020435	-0.10424858	0.024263243
KDM4C	blue	0.117996241	0.01071042	0.106141985	0.02178565
KDM7A	blue	0.321289349	1.13E-12	0.302696804	2.37E-11
KIAA023	blue	0.056872615	0.219925241	0.033137891	0.474984243
KIAA039	blue	0.175583711	0.000136793	0.169041638	0.000242861

KIAA043\blue	-0.105604138	0.022466082	-0.11096737	0.016439386
KIAA058\blue	0.191790344	3.02E-05	0.164326804	0.000362631
KIAA075\blue	0.062125297	0.180168651	0.031762479	0.493516684
KIAA089\blue	0.037106674	0.42370585	0.020672864	0.655890013
KIAA102\blue	0.007391835	0.873422293	-0.002477863	0.957410292
KIAA103\blue	-0.037456332	0.419348342	-0.060027937	0.195352608
KIAA110\blue	-0.033586875	0.469018059	-0.068582688	0.13891185
KIAA132\blue	-0.190787452	3.32E-05	-0.219319519	1.71E-06
KIAA132\blue	-0.174983831	0.00014431	-0.207341469	6.25E-06
KIAA146\blue	0.137498245	0.002905592	0.118583578	0.010323512
KIAA155\blue	-0.164297583	0.000363521	-0.163158395	0.000399848
KIAA201\blue	0.139121181	0.002586432	0.159449404	0.000542892
KIAA202\blue	-0.031564451	0.496216347	-0.046638529	0.314553442
KIF16B\blue	-0.004281905	0.926471464	-0.019827877	0.669104219
KIF21A\blue	0.009519346	0.837440759	-0.010478474	0.821325027
KIF3A\blue	0.066194313	0.153233046	0.042959782	0.354285707
KITLG\blue	-0.045264888	0.329034058	-0.040628526	0.38103078
KLF12\blue	-0.26084253	1.06E-08	-0.271120456	2.60E-09
KLF3\blue	0.043777314	0.345193658	0.02534727	0.584805467
KLF6\blue	-0.0886621	0.055538247	-0.123403952	0.007588584
KLF8\blue	-0.22031132	1.53E-06	-0.208569291	5.49E-06
KLHDC10\blue	0.031095004	0.50264746	0.010769393	0.816451358
KLHDC3\blue	-0.121390849	0.008640353	-0.096502055	0.037096011
KLHL15\blue	-0.083582506	0.071144929	-0.103251915	0.025662618
KLHL28\blue	0.022464306	0.62823126	-0.001446383	0.975131687
KLHL42\blue	-0.066361505	0.15219544	-0.109559454	0.01786578
KLHL5\blue	-0.330954875	2.12E-13	-0.321338351	1.12E-12
KLHL9\blue	-0.023472747	0.612884266	-0.032214761	0.487380336
KMT2C\blue	0.08910223	0.05433154	0.063659477	0.169628199
KPNA5\blue	-0.130861289	0.00461787	-0.154371906	0.00081647
KRBOX4\blue	-0.296459205	6.28E-11	-0.301222603	2.99E-11
KRIT1\blue	-0.115010307	0.012882883	-0.149055003	0.001235575
L3MBTL1\blue	-0.064287598	0.165448286	-0.084441985	0.068277086
L3MBTL2\blue	-0.089132001	0.054250713	-0.148466983	0.001292454
LACE1\blue	-0.029245811	0.528401237	-0.03177373	0.49336353
LAPTM4\blue	-0.179700357	9.43E-05	-0.189396472	3.80E-05
LARP4\blue	-0.007844097	0.865748913	-0.021263247	0.646720383
LATS1\blue	0.046687955	0.314040312	0.023342093	0.614863303
LCMT1\blue	-0.013639657	0.768773772	0.003403635	0.941522615
LCOR\blue	-0.056229325	0.22519512	-0.070410973	0.128661229
LDLRAD\blue	-0.090770755	0.049953242	-0.152764693	0.000926697
LEMD3\blue	0.032259088	0.486781148	-0.007671121	0.868682282
LEPROT\blue	-0.114040072	0.013668034	-0.132922354	0.004007674
LHFPL2\blue	-0.041275711	0.37348494	-0.055680748	0.229759619
LIG4\blue	0.065424643	0.158078928	0.046351527	0.317543906

LIMA1	blue	0.14266559	0.00199759	0.119716285	0.009612203
LIMCH1	blue	-0.070320487	0.129154374	-0.082698775	0.074195571
LIMS1	blue	0.020659596	0.656096689	0.006699385	0.885193655
LINS	blue	0.018884265	0.683982243	0.012205589	0.79249822
LMAN2	blue	0.143217226	0.001917866	0.152720976	0.000929879
LMBRD2	blue	0.028348257	0.541138639	0.016361172	0.724355373
LNPEP	blue	-0.091372086	0.048449386	-0.08332816	0.07201224
LONP2	blue	0.183388182	6.71E-05	0.197688998	1.68E-05
LPIN1	blue	-0.003134644	0.946136802	-0.038217571	0.409952971
LRCH1	blue	-0.07101065	0.125429789	-0.082098599	0.07632751
LRCH3	blue	-0.224571197	9.45E-07	-0.231894416	4.04E-07
LRIG2	blue	-0.197401097	1.73E-05	-0.210025134	4.70E-06
LRP12	blue	-0.120728418	0.009013815	-0.158140391	0.000603825
LRP6	blue	-0.097044622	0.036039434	-0.120356899	0.009229498
LRRC37E	blue	-0.100186346	0.030411288	-0.128231727	0.005517625
LRRFIP1	blue	0.091338978	0.048531188	0.102291286	0.027076708
LRRFIP2	blue	0.059830303	0.196830218	0.040672669	0.380513143
LSM11	blue	-0.070468276	0.128349687	-0.087637047	0.058435103
LTN1	blue	-0.143873767	0.001826781	-0.180175219	9.03E-05
LYRM7	blue	0.086893088	0.060615014	0.065655752	0.156611857
LYSMD3	blue	0.081865755	0.077167911	0.074696213	0.106934607
LYST	blue	0.105903609	0.022084983	0.100179796	0.030422191
MACROI	blue	0.206013137	7.18E-06	0.207166149	6.36E-06
MAD1L1	blue	0.02772439	0.550081252	0.052313363	0.259216758
MAGI3	blue	0.040340782	0.384415469	0.013441657	0.772037115
MALT1	blue	-0.092806243	0.045015142	-0.102890402	0.026187128
MAN1A2	blue	0.124065509	0.007268816	0.093933479	0.042461595
MAN1B1	blue	0.217067891	2.19E-06	0.218655213	1.84E-06
MAN2A1	blue	0.192352934	2.85E-05	0.155996678	0.000717472
MANEA	blue	-0.030146883	0.515768806	-0.041684967	0.368761162
MAP1S	blue	-0.020664353	0.656022592	-0.004465444	0.92332923
MAP2K4	blue	0.238338157	1.87E-07	0.211907221	3.84E-06
MAP3K1	blue	-0.035886258	0.439120351	-0.049741724	0.283400748
MAP3K2	blue	-0.067830847	0.143304725	-0.077675568	0.093617092
MAP3K4	blue	0.001601451	0.972466535	-0.005639929	0.903252059
MAP3K5	blue	-0.091221276	0.048822938	-0.084347861	0.068586459
MAP3K7	blue	-0.108578892	0.018921994	-0.113280395	0.014311898
MAP4K3	blue	-0.117994097	0.010711855	-0.15908858	0.000559092
MAP4K5	blue	-0.064395424	0.164738581	-0.098457758	0.033406896
MAP9	blue	-0.008126421	0.860965156	-0.017318031	0.708946866
MAPK14	blue	-0.198812497	1.50E-05	-0.230049716	5.02E-07
MAPK8	blue	0.129755235	0.004978816	0.088693818	0.055450547
MBLAC2	blue	-0.022824705	0.622727637	-0.042652617	0.357740418
MBNL1	blue	-0.104049774	0.024536992	-0.114348696	0.013413833
MBNL2	blue	-0.292051457	1.23E-10	-0.304100224	1.90E-11

MBNL3	blue	-0.076313162	0.09953249	-0.068880657	0.137199753
MBTPS2	blue	-0.093914536	0.042503476	-0.119762123	0.009584358
MCC	blue	0.106469925	0.021379606	0.070907884	0.125979035
MCM9	blue	0.056548356	0.222570464	0.034441882	0.457771736
MDK	blue	0.034623632	0.455400672	0.050685215	0.274356902
MDN1	blue	-0.161329638	0.000465306	-0.194720344	2.26E-05
MECOM	blue	-0.040381913	0.383930533	-0.050403694	0.277034612
MED13	blue	-0.059096147	0.202390545	-0.076786457	0.097444691
MED13L	blue	-0.171120829	0.000202816	-0.187745	4.45E-05
MED23	blue	0.060125109	0.194629082	0.0428461	0.355561844
MED28	blue	-0.095644921	0.038818691	-0.119727646	0.009605295
MERTK	blue	0.08023425	0.083269411	0.047753272	0.303113806
METTL1	blue	0.128122281	0.00555828	0.129493153	0.005067986
METTL2	blue	0.039991906	0.388543761	0.008616649	0.852670786
METTL2	blue	0.008859472	0.848568327	-0.004762418	0.918247502
MEX3C	blue	-0.041940011	0.365836184	-0.072476172	0.117797988
MFSD10	blue	0.158736019	0.000575352	0.167009256	0.000289053
MFSD5	blue	0.078485489	0.090235931	0.096463735	0.037171617
MFSD8	blue	-0.085010457	0.066432829	-0.100667435	0.029619656
MGA	blue	-0.045177192	0.329972928	-0.0774009	0.094786482
MGEA5	blue	0.060052969	0.195166035	0.027367196	0.55523379
MIB1	blue	-0.078843155	0.08877431	-0.107936721	0.019642845
MID1	blue	0.034687986	0.454562796	0.016237377	0.726357177
MIER1	blue	-0.036818771	0.427313504	-0.048487647	0.295730094
MIER3	blue	0.003431088	0.941051806	-0.018646847	0.687745259
MIF	blue	0.189832516	3.64E-05	0.176465757	0.000126404
MKLN1	blue	-0.101800687	0.027824403	-0.114503676	0.01328776
MLH3	blue	-0.086113038	0.062972381	-0.121869561	0.008379113
MLLT10	blue	-0.11413333	0.013590778	-0.152643496	0.000935543
MLLT4	blue	0.139257361	0.002561161	0.100849723	0.029324348
MOB1B	blue	-0.045148455	0.330280961	-0.078317046	0.09093094
MOB2	blue	0.02137004	0.645067354	0.036547186	0.430732958
MOB3B	blue	-0.247024433	6.37E-08	-0.255508576	2.14E-08
MON1A	blue	0.225324257	8.67E-07	0.254812585	2.35E-08
MON2	blue	-0.056250383	0.225021202	-0.084795556	0.067125153
MORC3	blue	-0.109487383	0.01794162	-0.132791587	0.004044105
MOSPD1	blue	-0.144467186	0.001747881	-0.166428335	0.000303692
MOSPD2	blue	0.120814127	0.008964699	0.110352221	0.017049859
MPDZ	blue	-0.097979274	0.034279285	-0.110046719	0.017360341
MPHOSP	blue	0.055018203	0.235359377	0.041410379	0.371926453
MPP7	blue	-0.06535457	0.158525797	-0.083194146	0.072472685
MPST	blue	0.246110192	7.15E-08	0.259050582	1.34E-08
MRPL2	blue	-0.183348158	6.74E-05	-0.158210967	0.000600384
MRPL43	blue	0.261302242	9.95E-09	0.266551253	4.89E-09
MRPL55	blue	0.172207806	0.00018443	0.199557476	1.39E-05



MRPS2	blue	0.10985849	0.01755409	0.117014216	0.01138609
MSANTE	blue	-0.05415079	0.242835234	-0.066176099	0.153346404
MSANTE	blue	-0.198541206	1.55E-05	-0.216578239	2.31E-06
MSI2	blue	0.14100586	0.002256092	0.116994778	0.011399836
MSL2	blue	-0.177579065	0.000114349	-0.202517155	1.03E-05
MSRB1	blue	0.022306833	0.630642529	0.051254712	0.268994113
MT1X	blue	0.095215242	0.039707458	0.088256105	0.056671019
MT2A	blue	0.107723632	0.019887269	0.121771479	0.008432056
MTCP1	blue	-0.077688989	0.093560252	-0.068804467	0.137635983
MTM1	blue	-0.181997814	7.64E-05	-0.19454376	2.30E-05
MTMR10	blue	-0.090807963	0.049859069	-0.133355963	0.003888989
MTMR3	blue	-0.109536067	0.017890359	-0.124356565	0.00713199
MTMR6	blue	0.156113494	0.000710801	0.128062788	0.005580493
MTR	blue	-0.035761529	0.440713623	-0.060655356	0.190715467
MTRR	blue	-0.2411595	1.32E-07	-0.26728508	4.42E-09
MTURN	blue	-0.057071267	0.21831584	-0.073962121	0.110435582
MTUS1	blue	0.270511615	2.83E-09	0.239420029	1.64E-07
MTX3	blue	-0.126953034	0.006009735	-0.153894392	0.000847882
MXD1	blue	0.02788695	0.547744113	0.006953893	0.880864039
MXI1	blue	-0.099535317	0.031511354	-0.126783269	0.006077952
MYEF2	blue	0.04533402	0.328295151	0.010370778	0.823130977
MYLIP	blue	-0.096690754	0.036725602	-0.099973544	0.030767193
MYO6	blue	0.096998468	0.036128306	0.086260691	0.062520455
MYO9A	blue	-0.113130587	0.014441969	-0.135372565	0.003377756
MYRIP	blue	0.001020747	0.982448427	0.005369966	0.907861951
N4BP2	blue	0.039090095	0.399338985	0.015805451	0.733356094
N6AMT1	blue	-0.017578519	0.704772346	-0.031673474	0.494729091
NAA60	blue	0.227849145	6.48E-07	0.268529738	3.72E-09
NAALAD	blue	0.019879298	0.668297096	0.011969787	0.796418249
NAB1	blue	-0.230894851	4.54E-07	-0.246118036	7.14E-08
NAGLU	blue	0.185211281	5.66E-05	0.193768698	2.48E-05
NAGPA	blue	0.022949995	0.620819235	0.029034025	0.531392966
NAPEPLI	blue	0.096871689	0.036373386	0.094197668	0.041881114
NAPG	blue	-0.051783453	0.264079732	-0.086330078	0.062309008
NBPF1	blue	-0.05662225	0.221965668	-0.07166839	0.121958358
NBPF10	blue	-0.040865627	0.378255543	-0.056826671	0.220298666
NBPF11	blue	-0.021895981	0.636952025	-0.059389917	0.20015206
NBPF12	blue	-0.059463185	0.199596583	-0.08726308	0.059522629
NBPF14	blue	-0.124019065	0.007290865	-0.145191845	0.001655771
NBPF15	blue	0.264285453	6.66E-09	0.226888159	7.24E-07
NBPF19	blue	-0.052738632	0.255359062	-0.076816587	0.097312972
NBPF8	blue	0.021816521	0.638175358	-0.003280306	0.943637931
NBR1	blue	0.114043176	0.013665457	0.099298999	0.031918999
NCKAP1	blue	0.006884861	0.882038046	-0.01440099	0.756264332
NCKAP5	blue	0.013729128	0.767300491	-0.001204912	0.979282388

NCOA3	blue	-0.039891762	0.389733725	-0.049935582	0.281526286
NCOA7	blue	-0.139536607	0.002510044	-0.153115696	0.000901513
NDUFAB	blue	0.117713654	0.010901111	0.141493517	0.002177137
NEK1	blue	0.04881514	0.292476366	0.014077295	0.761575389
NEK7	blue	-0.015704611	0.734993312	-0.020355474	0.660841168
NEK9	blue	-0.072456189	0.117899554	-0.091013148	0.049342418
NEMF	blue	-0.033931252	0.46447008	-0.059502121	0.199301854
NEU3	blue	-0.052832779	0.25451044	-0.090999707	0.049376124
NF1	blue	0.001282554	0.977947723	-0.026708899	0.564790882
NFE2L2	blue	-0.044300757	0.339450861	-0.057857528	0.21202864
NFIA	blue	0.246932122	6.45E-08	0.253483142	2.79E-08
NFKB2	blue	0.00595121	0.897940683	0.008573574	0.853398964
NFKBIB	blue	0.084722324	0.067362425	0.11541806	0.012564967
NFXL1	blue	0.072335602	0.118513885	0.03882896	0.402498189
NHLRC2	blue	0.056315438	0.224484514	0.037011986	0.424890397
NHLRC3	blue	0.000752778	0.987055624	-0.026948488	0.561303439
NHS	blue	0.07566835	0.102433948	0.06010766	0.194758863
NIN	blue	0.065442949	0.157962346	0.041705858	0.368521034
NIPAL1	blue	0.12868294	0.005352823	0.098063503	0.034124323
NIPBL	blue	-0.197962944	1.64E-05	-0.229086732	5.61E-07
NME4	blue	0.258667703	1.41E-08	0.259871292	1.20E-08
NPAT	blue	-0.041961473	0.365590704	-0.071318242	0.123796936
NPM3	blue	0.126006132	0.006399184	0.116694158	0.01161431
NPRL3	blue	0.197773934	1.67E-05	0.210636035	4.41E-06
NR1D2	blue	-0.199488568	1.40E-05	-0.220921912	1.43E-06
NR2C2	blue	-0.054518904	0.239642543	-0.088074392	0.057184194
NRDE2	blue	-0.05678621	0.220627905	-0.07789855	0.092676265
NRIP1	blue	0.132272962	0.00419156	0.104932134	0.023342051
NSDHL	blue	0.03714887	0.423178593	0.046361836	0.317436166
NSMAF	blue	-0.087842675	0.057844166	-0.117793719	0.01084678
NSMCE1	blue	0.087656195	0.058379865	0.115094298	0.012816823
NSUN3	blue	0.00176701	0.969621431	-0.007320234	0.874638228
NUBPL	blue	-0.086615852	0.06144435	-0.122096512	0.008257741
NUDT14	blue	0.019020631	0.681824415	0.042164966	0.363268292
NUDT22	blue	0.228534557	5.99E-07	0.249939658	4.40E-08
NUDT8	blue	0.220963613	1.42E-06	0.257487185	1.65E-08
NUFIP2	blue	-0.012596621	0.786009166	-0.032744935	0.480239787
OAT	blue	-0.05449113	0.239882395	-0.10616669	0.02175483
OCRL	blue	-0.026048795	0.574452709	-0.073131192	0.114506591
OGFOD3	blue	0.071564586	0.122501185	0.062798147	0.175487666
OGFRL1	blue	-0.065443432	0.157959271	-0.082164311	0.07609169
OPHN1	blue	0.02627035	0.571201164	-0.030647841	0.508813891
OR2A7	blue	0.009245492	0.842054999	-0.017873897	0.700049389
OSBPL8	blue	-0.055585416	0.230559486	-0.069333143	0.134630908
OSBPL9	blue	-0.198619334	1.53E-05	-0.20964596	4.90E-06

OST4	blue	0.049066242	0.289997894	0.077751267	0.093296842
OSTM1	blue	0.027216946	0.557408152	0.021754024	0.63913821
OTUD1	blue	-0.337571688	6.55E-14	-0.353789808	3.24E-15
OTUD3	blue	-0.044511936	0.337151372	-0.076436965	0.098982965
OTUD4	blue	-0.096630253	0.036844019	-0.116982232	0.011408717
OXR1	blue	-0.011861735	0.798216246	-0.059894553	0.196348962
P4HB	blue	0.280489442	6.85E-10	0.269692871	3.17E-09
PABPC4I	blue	-0.223439359	1.07E-06	-0.230443805	4.79E-07
PAIP2B	blue	-0.236347758	2.38E-07	-0.256435356	1.90E-08
PAPD4	blue	0.081888619	0.077085057	0.057983578	0.21103296
PAPOLG	blue	-0.177962057	0.000110457	-0.192639972	2.78E-05
PAQR3	blue	0.02992181	0.518909483	0.002316185	0.960186847
PARD6G	blue	-0.065245781	0.159221443	-0.073671542	0.111846072
PARP10	blue	-0.005442258	0.906627183	0.00853235	0.854095954
PARP11	blue	-0.222306989	1.22E-06	-0.227886811	6.45E-07
PARP8	blue	-0.018123133	0.696073187	-0.014303751	0.757858586
PAWR	blue	-0.084744342	0.067291013	-0.11880411	0.01018147
PBX1	blue	-0.125462117	0.006633031	-0.143708806	0.001849287
PCBD2	blue	-0.00455618	0.921776243	-0.006800584	0.883471671
PCBP4	blue	0.075023585	0.105401861	0.088873985	0.054954571
PCGF5	blue	-0.019274841	0.677808744	-0.019600582	0.67267646
PCNXL4	blue	0.013903976	0.764423769	-0.01326605	0.774934763
PCYOX1	blue	-0.044335463	0.339072265	-0.072863747	0.115841651
PDCD4	blue	0.000787283	0.986462349	-0.009169865	0.843330219
PDCD6IP	blue	0.082663142	0.074320778	0.066343787	0.152305148
PDE3A	blue	-0.022128696	0.633374942	-0.012755778	0.783372213
PDE4D	blue	0.07515749	0.104779955	0.055885359	0.228049522
PDE8A	blue	0.012160457	0.793248102	0.004900132	0.915892105
PDGFC	blue	-0.077292752	0.095250105	-0.082146311	0.076156228
PDLIM5	blue	0.128570455	0.005393487	0.145802725	0.001581605
PDP1	blue	0.091234283	0.048790626	0.066349428	0.152270215
PDPK1	blue	-0.006270398	0.892499101	-0.008890369	0.848046607
PDPR	blue	-0.060191236	0.194137839	-0.073857634	0.11094115
PDS5B	blue	-0.156102461	0.000711428	-0.184554276	6.02E-05
PDXK	blue	-0.034214373	0.460749449	-0.008470185	0.855147215
PELI1	blue	-0.050783706	0.27342427	-0.060692959	0.190440142
PELI2	blue	-0.376965728	3.24E-17	-0.382446664	1.03E-17
PEX1	blue	0.141002233	0.002256689	0.103716612	0.025001726
PEX12	blue	-0.015982982	0.730476669	-0.028411063	0.540242388
PEX14	blue	0.011033398	0.812034665	0.017947055	0.698881395
PEX16	blue	0.12183145	0.008399649	0.14662041	0.0014871
PFKL	blue	0.204432097	8.46E-06	0.229235453	5.52E-07
PFN1	blue	0.249945115	4.40E-08	0.289661126	1.77E-10
PGAP1	blue	-0.068683675	0.138329763	-0.100904179	0.029236622
PGBD4	blue	-0.009008658	0.846049853	-0.004018682	0.930979885

PGM2L1 blue	0.047510137	0.305585084	0.055451402	0.231687234
PHACTR\blue	-0.156039311	0.00071503	-0.142778344	0.001981052
PHF20L1 blue	-0.100344584	0.030148931	-0.127244404	0.005894256
PHF21A blue	-0.119755588	0.009588323	-0.153544363	0.000871614
PHF3 blue	-0.173169767	0.000169472	-0.203133843	9.68E-06
PHIP blue	-0.11067362	0.016728474	-0.118866935	0.010141324
PHKB blue	0.369955146	1.36E-16	0.372562279	7.99E-17
PIAS1 blue	-0.106302738	0.021585782	-0.114925831	0.012949628
PICALM blue	-0.046830843	0.312559958	-0.059976966	0.195732912
PIGQ blue	0.216118222	2.43E-06	0.236597297	2.31E-07
PIK3C2A blue	0.030073564	0.51679083	-9.79E-05	0.998316804
PIK3C3 blue	-0.157574109	0.000632101	-0.18498592	5.78E-05
PIKFYVE\blue	0.004131422	0.929048617	-0.023359405	0.614600916
PIN1 blue	0.063580109	0.170161929	0.085812906	0.063899299
PJA2 blue	0.032682944	0.481071762	0.012637844	0.785325947
PKN2 blue	-0.094959849	0.040243834	-0.128704732	0.005344977
PLA2G4E\blue	0.050602376	0.275143	0.017523556	0.705652437
PLAGL1 blue	-0.331090477	2.07E-13	-0.348798082	8.33E-15
PLCB1 blue	0.096220286	0.037655012	0.069532276	0.133512203
PLCB4 blue	0.206082316	7.13E-06	0.175315478	0.000140108
PLCE1 blue	0.207568243	6.10E-06	0.204323891	8.56E-06
PLCL2 blue	-0.059722353	0.197640738	-0.083737386	0.070620988
PLD1 blue	-0.199328575	1.43E-05	-0.19469938	2.27E-05
PLEKHA blue	0.150896915	0.001071986	0.111026568	0.01638166
PLEKHA\blue	-0.147705068	0.001369737	-0.154780855	0.000790428
PLEKHA\blue	0.186002358	5.25E-05	0.1541408	0.000831536
PLEKHF1\blue	-0.309917754	7.45E-12	-0.260719954	1.08E-08
PLEKHG blue	0.021214872	0.647469752	0.028163095	0.543785201
PLOD3 blue	0.026240081	0.57164487	0.0285438	0.538350664
PM20D2 blue	-0.241105022	1.33E-07	-0.266673013	4.81E-09
PNRC1 blue	-0.248053614	5.60E-08	-0.246321022	6.96E-08
POGLUT blue	-0.206388768	6.90E-06	-0.263462946	7.44E-09
POLK blue	0.109534756	0.017891738	0.086429979	0.062005608
POLR2M blue	-0.067239797	0.146832088	-0.090394127	0.050914863
POU2F1 blue	-0.074238229	0.10910835	-0.097375364	0.035407991
PPDPF blue	0.067594882	0.144705103	0.095192095	0.03975582
PPFIBP1 blue	-0.23539486	2.66E-07	-0.26684475	4.69E-09
PPIP5K2 blue	0.029414022	0.526031159	-0.001057111	0.981823246
PPM1A blue	-0.036162193	0.435607325	-0.059845182	0.196718686
PPM1D blue	-0.048258449	0.298021554	-0.064259855	0.165631257
PPM1L blue	0.105272921	0.022894203	0.097231152	0.03568215
PPP1R12\blue	-0.113939907	0.013751442	-0.138066054	0.002790066
PPP1R21 blue	-0.200065834	1.32E-05	-0.223618868	1.05E-06
PPP1R3B blue	0.187922088	4.38E-05	0.159176115	0.000555121
PPP1R3D\blue	0.054955981	0.235890173	0.040921669	0.377601399

PPP1R9A blue	0.056985108	0.219012827	0.029481826	0.525077337
PPP2R1A blue	0.187230457	4.68E-05	0.204465782	8.43E-06
PPP2R3A blue	-0.289361276	1.85E-10	-0.311708739	5.56E-12
PPP2R3B blue	-0.009808589	0.832573264	-0.006458945	0.889287081
PPP3CA blue	-0.009840198	0.83204172	-0.03069414	0.508173594
PPP3CB blue	-0.012806503	0.782532308	-0.038444624	0.407174972
PPP4R1 blue	-0.110914926	0.016490675	-0.126664622	0.006126039
PPP6R3 blue	0.044547284	0.336767447	0.011747812	0.8001131
PQLC3 blue	-0.089769442	0.052543885	-0.057912331	0.211595332
PRDM2 blue	-0.119820323	0.009549107	-0.157387919	0.000641663
PREPL blue	-0.061553927	0.184215716	-0.074326629	0.108686083
PREX2 blue	0.048482499	0.295781433	0.033332108	0.472398374
PRKAA1 blue	-0.086473124	0.061874952	-0.105774991	0.022247967
PRKAA2 blue	-0.152196648	0.000968835	-0.161799564	0.000447595
PRKAB2 blue	0.01102624	0.81215435	-0.028332417	0.541364785
PRKACB blue	-0.070872308	0.126169611	-0.089337335	0.05369594
PRKAR1A blue	-0.034337733	0.459133535	-0.058615726	0.206090369
PRKCSH blue	-0.079711077	0.085306485	-0.086879113	0.060656599
PRKD2 blue	-0.008189304	0.859900338	0.03910575	0.399150064
PRKD3 blue	-0.15554312	0.000743926	-0.172871714	0.00017398
PRKRIR blue	-0.156312896	0.000699546	-0.191197596	3.19E-05
PRMT1 blue	0.023533672	0.611962381	0.032702385	0.480810764
PRMT9 blue	0.016131938	0.728063639	-0.006800681	0.88347002
PRPF4B blue	-0.069852528	0.131728121	-0.099518751	0.031539785
PRPF6 blue	-0.215798843	2.52E-06	-0.199730604	1.37E-05
PRRG1 blue	-0.289509169	1.81E-10	-0.311240446	6.00E-12
PRTG blue	-0.103753285	0.024950201	-0.124459287	0.007084254
PSD3 blue	-0.067687764	0.144152636	-0.101486022	0.028313252
PTAR1 blue	-0.027673478	0.550814223	-0.047415754	0.30654798
PTCD1 blue	0.093293779	0.0438953	0.097631149	0.034926127
PTDSS2 blue	0.01136417	0.806509438	0.008710438	0.851085753
PTEN blue	0.004767628	0.918158394	0.008377183	0.856720439
PTPDC1 blue	-0.000189576	0.996740021	-0.040196072	0.386124589
PTPN12 blue	0.089650392	0.052859215	0.074626203	0.107264664
PTPN13 blue	-0.257777369	1.59E-08	-0.266791127	4.73E-09
PTPN4 blue	0.062009605	0.180982748	0.034685523	0.454594842
PTPRG blue	0.010243798	0.825261503	-0.003382858	0.94187895
PUM2 blue	-0.046663749	0.314291542	-0.0778421	0.092913728
PURA blue	-0.05868671	0.205540644	-0.052500244	0.257516597
PUS1 blue	0.078978412	0.088226552	0.084772073	0.067201162
PUS7L blue	0.013515149	0.770825386	-0.013855254	0.76522505
PUSL1 blue	0.086161577	0.062823519	0.11461333	0.013199191
PVRL2 blue	-0.080477288	0.08233655	-0.06884869	0.137382655
PWWP2A blue	-0.007371125	0.873773959	-0.040636203	0.380940729
PWWP2B blue	0.115112493	0.012802552	0.125721275	0.006520693

PXK	blue	-0.132948767	0.004000352	-0.15745469	0.000638219
PYGO1	blue	-0.177022627	0.000120232	-0.198032093	1.63E-05
QARS	blue	0.182456264	7.32E-05	0.176119998	0.000130385
QKI	blue	-0.239974556	1.53E-07	-0.24692087	6.46E-08
QSER1	blue	0.001783111	0.969344751	-0.01487423	0.748520251
QTRT1	blue	-0.043510993	0.348139081	-0.048033894	0.300278019
R3HDM2	blue	-0.100443289	0.029986263	-0.146382195	0.001514082
RAB11F1	blue	-0.000332238	0.994286817	-0.057361937	0.215976165
RAB2B	blue	-0.099006844	0.032429183	-0.112602289	0.014908999
RAB30	blue	0.019327497	0.676978086	-0.006479144	0.888943077
RAB33B	blue	-0.015903298	0.731768619	-0.034665914	0.454850069
RAB3GA	blue	-0.152584124	0.000939905	-0.174572878	0.000149682
RAB8B	blue	-0.125864249	0.00645945	-0.140747217	0.002299022
RABAC1	blue	-0.124522575	0.007054986	-0.103790213	0.024898411
RABEP1	blue	0.097565755	0.035048786	0.070732847	0.126918844
RABGAP	blue	0.018932705	0.683215445	-0.015915919	0.731563942
RABGGT	blue	0.172699625	0.000176634	0.182948745	6.99E-05
RAD50	blue	-0.014500223	0.754638433	-0.036667745	0.429213078
RAD51B	blue	0.086738913	0.061075073	0.050561483	0.275531616
RAD9B	blue	-0.256016873	2.01E-08	-0.264603246	6.37E-09
RAG1	blue	-0.098006999	0.034228211	-0.119188708	0.009937901
RAI14	blue	-0.216801731	2.26E-06	-0.221327759	1.36E-06
RALGAP	blue	0.04507691	0.331048657	0.009160901	0.843481405
RALGPS2	blue	-0.1055791	0.022498201	-0.112148582	0.015320622
RALY	blue	-0.040846588	0.378477928	-0.021204702	0.647627324
RANBP2	blue	0.091105915	0.049110307	0.044791615	0.334121384
RANBP6	blue	0.033790795	0.466322049	0.028527971	0.538576073
RAP1B	blue	-0.085272076	0.065597924	-0.088858793	0.054996249
RAP2C	blue	-0.155130069	0.0007688	-0.16075125	0.000487999
RAPGEF2	blue	0.079534089	0.086004642	0.045991236	0.321324223
RAPGEF3	blue	-0.206272068	6.99E-06	-0.209523244	4.96E-06
RAPGEF4	blue	-0.072738978	0.116468638	-0.081645362	0.077970283
RARB	blue	-0.141058194	0.002247496	-0.12737944	0.005841416
RASSF3	blue	-0.018007168	0.697922204	-0.040304539	0.384843094
RASSF9	blue	-0.231892514	4.04E-07	-0.213752998	3.15E-06
RAVER2	blue	0.146885785	0.001457561	0.125258261	0.006722614
RBAK	blue	-0.019418662	0.675540887	-0.027530905	0.552869361
RBCK1	blue	-0.104994619	0.023259373	-0.072220162	0.119104343
RBM10	blue	-0.017179972	0.711162932	-0.008344155	0.857279285
RBM12B	blue	-0.140894826	0.002274431	-0.17326044	0.000168123
RBM26	blue	-0.018931198	0.683239289	-0.045550637	0.325986826
RBM41	blue	-0.040849948	0.378438679	-0.055291518	0.233037793
RBM42	blue	-0.173080868	0.000170805	-0.152647855	0.000935223
RBM43	blue	-0.109568273	0.01785652	-0.123395225	0.007592885
RBM48	blue	-0.167600374	0.000274835	-0.189375063	3.81E-05

RBMS1	blue	-0.388695113	2.72E-18	-0.385211873	5.73E-18
RBMXL1	blue	-0.110392672	0.017009116	-0.127243512	0.005894607
RBPJ	blue	0.101536926	0.028233674	0.094374822	0.041495631
RCBTB1	blue	0.14198441	0.002100216	0.123689893	0.007448861
RCHY1	blue	0.054217942	0.242250607	0.036352417	0.43319497
REV1	blue	-0.027468841	0.553765171	-0.065012095	0.160723528
REV3L	blue	0.013175919	0.776423201	-0.031975417	0.490622513
RFX7	blue	0.109276534	0.018165111	0.095462699	0.039193529
RFXANK	blue	-0.068744916	0.137977684	-0.052366618	0.258731483
RHBDD2	blue	0.091362945	0.048471962	0.141993887	0.002098756
RHOBTB	blue	0.004669828	0.919831524	0.000420194	0.992774343
RHOBTB	blue	-0.170859642	0.000207483	-0.207030113	6.45E-06
RHOG	blue	0.10725137	0.020438428	0.149344033	0.001208471
RHOQ	blue	-0.342284419	2.78E-14	-0.355956443	2.14E-15
RHOU	blue	0.000720372	0.987612815	-0.013987457	0.763051416
RIC1	blue	-0.098848023	0.03270944	-0.108699625	0.018789074
RIC8B	blue	-0.083798712	0.070414404	-0.110362653	0.017039344
RICTOR	blue	-0.299373311	4.00E-11	-0.312109605	5.21E-12
RIF1	blue	-0.201000403	1.20E-05	-0.23108761	4.44E-07
RINT1	blue	0.042857864	0.355429647	0.010023862	0.828954712
RLF	blue	-0.115161847	0.012763912	-0.145272619	0.001645785
RLIM	blue	-0.062453754	0.177872172	-0.069423114	0.134124567
RMDN2	blue	-0.259835952	1.21E-08	-0.273545402	1.85E-09
RMND5A	blue	-0.045820257	0.323128416	-0.05996378	0.195831384
RNASEL	blue	0.057655304	0.213633089	0.067983802	0.142402533
RND3	blue	-0.196962995	1.81E-05	-0.212068025	3.78E-06
RNF103	blue	0.016884183	0.715918949	0.009961259	0.830006637
RNF11	blue	-0.095657661	0.038792599	-0.110924192	0.016481602
RNF125	blue	-0.026385399	0.569516149	-0.01566548	0.735628957
RNF13	blue	-0.061011374	0.188120391	-0.086850636	0.060741406
RNF141	blue	0.157210328	0.000650909	0.136780224	0.003057906
RNF146	blue	-0.192499776	2.81E-05	-0.214253567	2.98E-06
RNF150	blue	-0.321690624	1.05E-12	-0.314500353	3.51E-12
RNF170	blue	-0.030114889	0.516214653	-0.05664489	0.221780602
RNF180	blue	-0.026433117	0.568817975	-0.027672907	0.550822438
RNF187	blue	0.113131075	0.014441544	0.133232614	0.003922423
RNF19A	blue	-0.19011437	3.55E-05	-0.206775196	6.63E-06
RNF208	blue	0.194148201	2.39E-05	0.216200345	2.41E-06
RNF217	blue	-0.304334585	1.83E-11	-0.304050379	1.91E-11
RNPEPL1	blue	0.239472554	1.63E-07	0.280814262	6.54E-10
ROCK1	blue	-0.083345162	0.071953995	-0.120553061	0.009115052
ROCK2	blue	-0.087584927	0.058585681	-0.114900624	0.012969602
ROR1	blue	-0.027417308	0.554509501	-0.037049677	0.424418648
RORA	blue	-0.062612289	0.176771536	-0.084677704	0.067507329
RP11-111	blue	-0.087711598	0.058220284	-0.103766171	0.024932118

RP2	blue	-0.001018715	0.982483361	-0.000979271	0.98316148
RPAP2	blue	-0.00191352	0.967103972	-0.02407896	0.603738804
RPL8	blue	0.004414149	0.92420729	-0.009875522	0.831447793
RPP14	blue	-0.080426667	0.082530151	-0.093180878	0.044152521
RPRD1B	blue	-0.2484331	5.33E-08	-0.289456327	1.82E-10
RPS21	blue	-0.13203578	0.004260601	-0.122346187	0.00812603
RPS6KA3	blue	-0.129652256	0.005013683	-0.134794869	0.003517589
RPS6KA4	blue	0.039103027	0.399182918	0.060072676	0.195019249
RPS6KA5	blue	0.142016573	0.002095264	0.113508937	0.014115448
RRAGB	blue	-0.247031906	6.37E-08	-0.277303019	1.08E-09
RRP9	blue	0.057920182	0.211533306	0.059981312	0.195700468
RSBN1	blue	-0.091504171	0.048124186	-0.114310771	0.013444845
RSBN1L	blue	-0.019312943	0.677207646	-0.032766767	0.479946975
RSF1	blue	-0.135065073	0.003451545	-0.175748943	0.000134788
RSPRY1	blue	0.280082427	7.27E-10	0.280752906	6.60E-10
RTN4	blue	-0.046141205	0.319747142	-0.05333284	0.25003579
RTTN	blue	0.106165316	0.021756543	0.088096864	0.057120522
RUFY2	blue	0.028122252	0.544369853	-0.008069916	0.861922176
RUFY3	blue	-0.283295187	4.55E-10	-0.298367071	4.67E-11
RYBP	blue	0.065880409	0.155195621	0.021778804	0.638756371
RYK	blue	-0.168788935	0.000248203	-0.211349375	4.08E-06
S100PBP	blue	-0.118609159	0.010306946	-0.14350109	0.001877986
SACM1L	blue	0.037902399	0.41382767	0.009202476	0.842780293
SACS	blue	-0.08323712	0.072324774	-0.112010489	0.01544787
SAMD8	blue	-0.071930841	0.120594263	-0.095745503	0.038613093
SART1	blue	-0.130016711	0.004891264	-0.124389539	0.007116636
SASH1	blue	-0.179675809	9.45E-05	-0.193122786	2.65E-05
SBF2	blue	0.075977932	0.101032661	0.039812768	0.390673927
SCAF11	blue	-0.060541892	0.191548022	-0.088500528	0.055986777
SCAF8	blue	-0.115302274	0.012654532	-0.153093565	0.000903082
SCAI	blue	-0.11930457	0.009865546	-0.145820354	0.001579511
SCAMP1	blue	0.08487167	0.066879271	0.056684984	0.221453135
SCAPER	blue	-0.031771366	0.49339571	-0.061468457	0.184826828
SCO2	blue	0.202837027	9.98E-06	0.228210093	6.22E-07
SCRN3	blue	0.083120293	0.072727453	0.077304621	0.095199135
SDC2	blue	-0.059943909	0.19597985	-0.08538005	0.06525587
SDSL	blue	0.1751882	0.000141707	0.205577451	7.51E-06
SEC23A	blue	-0.00580545	0.900427234	-0.018701889	0.686872174
SEC24A	blue	0.141692777	0.002145609	0.132305545	0.004182154
SEC31A	blue	-0.028849612	0.534004971	-0.036608981	0.429953525
SECISBP'	blue	0.05413785	0.242948007	0.017101836	0.712418211
SECISBP'	blue	0.10031039	0.03020546	0.072029489	0.120084628
SEL1L	blue	-0.052424705	0.258202883	-0.070727974	0.126945084
SEMA3C	blue	0.036798976	0.427562195	0.024022028	0.604595078
SENP8	blue	0.006239772	0.893021015	0.002804675	0.95179944



SEPP1	blue	-0.247222097	6.22E-08	-0.280692584	6.65E-10
SEPT10	blue	-0.054789527	0.23731429	-0.079446547	0.086351664
SEPT11	blue	-0.061334414	0.185788249	-0.061114525	0.187373377
SEPT2	blue	0.011282671	0.807869918	-0.010045524	0.828590786
SERAC1	blue	0.16029758	0.000506514	0.148924603	0.001247986
SERINC1	blue	-0.170076055	0.000222095	-0.180726975	8.58E-05
SERINC3	blue	-0.096862161	0.036391861	-0.100722114	0.029530809
SERTAD	blue	-0.012475068	0.788024738	0.006774139	0.883921589
SERTAD	blue	-0.078873743	0.088650196	-0.113120789	0.014450513
SESN1	blue	0.179024968	0.000100301	0.158019464	0.000609763
SESN3	blue	0.18547749	5.52E-05	0.140765276	0.002296
SESTD1	blue	0.144215635	0.001780938	0.125996502	0.006403259
SETDB2	blue	-0.034700797	0.454396101	-0.05190203	0.262986144
SETMAR	blue	0.07982987	0.08484045	0.047819934	0.302438566
SETX	blue	0.033172958	0.47451677	0.018105083	0.696360871
SF3B1	blue	-0.066570131	0.150908185	-0.11020488	0.017198991
SFT2D2	blue	-0.045116405	0.330624723	-0.036007274	0.437577659
SGK494	blue	-0.08127635	0.07932887	-0.092121823	0.046627654
SGMS1	blue	0.034620019	0.455447748	0.019660402	0.67173558
SGMS2	blue	0.025379701	0.584324965	0.051830949	0.263641321
SGPP1	blue	0.011431007	0.805394135	0.001470757	0.974712763
SGTB	blue	-0.143424418	0.001888682	-0.156552366	0.000686249
SH2B2	blue	-0.082700056	0.074191072	-0.082385089	0.075303713
SH3BGR1	blue	-0.05093777	0.271969748	-0.061380075	0.185460337
SH3D19	blue	-0.107386165	0.020279775	-0.114591209	0.013217017
SHB	blue	0.211665142	3.95E-06	0.209259371	5.10E-06
SHISA5	blue	0.057447841	0.215288163	0.089711829	0.052696288
SHKBP1	blue	-0.1109308	0.016475136	-0.094749148	0.040690948
SHOC2	blue	0.105783247	0.022237473	0.08369351	0.070769093
SIGIRR	blue	0.144027206	0.001806073	0.170073959	0.000222135
SIMC1	blue	-0.325336542	5.65E-13	-0.364575498	3.98E-16
SIPA1	blue	0.056283909	0.224744509	0.088344028	0.056424093
SIRT1	blue	-0.041079768	0.375759743	-0.078601745	0.089758743
SKIL	blue	-0.175297964	0.000140327	-0.204335585	8.55E-06
SLAIN2	blue	0.093072088	0.044401572	0.086732605	0.061093958
SLC10A7	blue	0.132605817	0.004096374	0.126621314	0.006143676
SLC15A4	blue	0.047684467	0.30381181	0.03426718	0.46005734
SLC16A4	blue	-0.157652746	0.000628103	-0.176079642	0.000130857
SLC19A2	blue	0.043892217	0.343927778	0.014322856	0.757545276
SLC25A1	blue	0.278986064	8.52E-10	0.28620724	2.96E-10
SLC25A1	blue	0.170056608	0.00022247	0.206941092	6.51E-06
SLC25A1	blue	-0.237871758	1.98E-07	-0.248124711	5.55E-08
SLC25A1	blue	0.050458017	0.276516542	0.056998048	0.218908045
SLC25A3	blue	0.066345071	0.152297197	0.047252498	0.308218263
SLC25A4	blue	-0.134337951	0.003631883	-0.126624218	0.006142493

SLC25A6 blue	0.132716911	0.004065043	0.132654321	0.004082668
SLC27A5 blue	0.071767115	0.121443829	0.05844309	0.207431769
SLC2A13 blue	-0.203723244	9.11E-06	-0.211740106	3.91E-06
SLC2A4R blue	0.013792937	0.766250289	0.029292693	0.527740132
SLC30A4 blue	-0.150697689	0.001088664	-0.147785834	0.001361348
SLC30A7 blue	0.07351505	0.112611542	0.061134889	0.187226166
SLC35B4 blue	-0.143121036	0.001931555	-0.175002093	0.000144076
SLC35D1 blue	0.013170562	0.776511687	0.003425401	0.941149327
SLC35F5 blue	-0.175483744	0.000138019	-0.200769358	1.23E-05
SLC36A4 blue	-0.243978311	9.34E-08	-0.243766904	9.59E-08
SLC37A3 blue	0.142424312	0.002033404	0.117322699	0.011169888
SLC38A2 blue	-0.252935112	3.00E-08	-0.262171271	8.86E-09
SLC38A9 blue	-0.244620785	8.62E-08	-0.251558661	3.58E-08
SLC39A1 blue	-0.104116955	0.024444189	-0.140440738	0.002350855
SLC4A7 blue	0.094507246	0.041209439	0.085862911	0.063744088
SLC5A3 blue	-0.13673114	0.003068579	-0.145853229	0.001575612
SLC9A6 blue	-0.010223351	0.825604691	-0.012445591	0.788513731
SLC9B1 blue	-0.041756199	0.36794279	-0.060534792	0.191600204
SLFN12 blue	-0.048335583	0.297249072	-0.057022403	0.218710932
SLK blue	0.091446	0.04826718	0.071263222	0.124087793
SLMAP blue	-0.066048829	0.154140281	-0.080686566	0.081540054
SLTM blue	0.053625252	0.24744475	0.027847641	0.548308806
SMAD2 blue	-0.016056169	0.729290725	-0.034326834	0.459276175
SMAD4 blue	-0.058526512	0.206782785	-0.086223624	0.062633655
SMAD5 blue	0.032032322	0.489850628	0.005016652	0.913899778
SMARCA blue	-0.057531234	0.214621774	-0.040782354	0.379228822
SMARCA blue	0.05689515	0.219742249	0.021826301	0.638024736
SMC5 blue	0.006153732	0.89448747	-0.024508334	0.597298383
SMCHD1 blue	-0.166002151	0.000314868	-0.201008204	1.20E-05
SMG1 blue	-0.141401289	0.002191873	-0.159612806	0.000535701
SMIM17 blue	-0.109493461	0.017935213	-0.105912414	0.022073862
SMURF2 blue	-0.006854093	0.882561392	-0.024046212	0.604231275
SNRK blue	-0.109523653	0.017903419	-0.117660533	0.010937291
SNTB2 blue	-0.180946116	8.41E-05	-0.163378544	0.000392575
SNX13 blue	-0.054602793	0.238919106	-0.065648526	0.156657569
SNX16 blue	-0.123306351	0.007636809	-0.180269188	8.95E-05
SNX8 blue	0.005204565	0.910687864	0.036533934	0.430900218
SNX9 blue	-0.075602949	0.102731942	-0.087844828	0.057838004
SOCS5 blue	-0.19461517	2.29E-05	-0.219778471	1.62E-06
SOCS6 blue	0.115155979	0.012768501	0.103664648	0.025074892
SOS1 blue	-0.209229661	5.12E-06	-0.22934088	5.45E-07
SOS2 blue	-0.117806012	0.010838459	-0.1369629	0.003018481
SOWAH blue	-0.21293115	3.44E-06	-0.239691934	1.58E-07
SOX5 blue	-0.092252894	0.04631515	-0.099707495	0.03121716
SP1 blue	0.047724899	0.303401515	0.017302505	0.709195963

SP3	blue	-0.158633146	0.000580179	-0.189465031	3.78E-05
SP4	blue	-0.116624029	0.011664854	-0.135160379	0.003428519
SPAG9	blue	-0.004351128	0.9252862	-0.022050723	0.634572524
SPATA13	blue	-0.0095871	0.836300002	-0.033374747	0.471831691
SPATA5	blue	-0.029276778	0.527964501	-0.038041197	0.41211864
SPG20	blue	-0.175219997	0.000141306	-0.182167425	7.52E-05
SPICE1	blue	-0.095381895	0.039360724	-0.11986669	0.009521105
SPIN1	blue	0.015743405	0.73436332	-0.01741025	0.70746798
SPIN3	blue	-0.122482264	0.008055038	-0.148494078	0.001289781
SPOPL	blue	-0.201533783	1.14E-05	-0.202940693	9.87E-06
SPRED1	blue	0.037382191	0.420270102	0.024319952	0.600120196
SPTLC3	blue	-0.187981121	4.35E-05	-0.159039537	0.000561328
SRGAP2C	blue	-0.211559602	3.99E-06	-0.252895929	3.01E-08
SRSF8	blue	0.066191418	0.15325106	0.05579097	0.228837281
SS18	blue	-0.015790706	0.733595406	-0.032059426	0.489483208
SS18L1	blue	-0.060854407	0.189261331	-0.084211906	0.069035348
SSFA2	blue	0.143985656	0.00181166	0.142526643	0.002018144
SSH2	blue	0.043444518	0.348876747	0.034864725	0.452266116
STAG2	blue	-0.031058528	0.503148984	-0.051626442	0.265532587
STAP2	blue	0.348313172	9.12E-15	0.37385059	6.14E-17
STARD1C	blue	0.221922673	1.28E-06	0.239219195	1.68E-07
STIM2	blue	0.230479973	4.77E-07	0.215743315	2.54E-06
STK26	blue	-0.218957952	1.78E-06	-0.205402352	7.65E-06
STK4	blue	-0.175993371	0.000131872	-0.186003319	5.25E-05
STOX2	blue	-0.177635376	0.000113768	-0.207281145	6.29E-06
STRN	blue	0.01750064	0.706019501	-0.01306112	0.778320197
STRN3	blue	-0.030059587	0.516985768	-0.042096182	0.36405228
STX17	blue	0.100672295	0.02961175	0.073223509	0.114048567
STX4	blue	-0.126245649	0.006298592	-0.088765522	0.055252713
STX5	blue	0.053053783	0.252526053	0.067086663	0.147756695
STX7	blue	-0.137058827	0.002997964	-0.158929601	0.00056637
STXBP4	blue	-0.001606416	0.972381216	-0.015754986	0.734175277
STXBP5	blue	0.123312976	0.007633527	0.094208676	0.041857074
SUGP1	blue	-0.042933689	0.354578366	-0.042395714	0.360645983
SULT1C4	blue	-0.165143925	0.00033855	-0.198358789	1.57E-05
SUN1	blue	-0.018876813	0.684100249	-0.032422121	0.484580765
SUV420H	blue	-0.023245258	0.616331889	-0.047637271	0.304291205
SWAP70	blue	0.25070858	3.99E-08	0.21984924	1.61E-06
SWI5	blue	-0.049368838	0.287029931	-0.044785897	0.334183165
SYMPK	blue	0.048281156	0.297794009	0.046792141	0.31296046
SYNJ1	blue	-0.019244076	0.678294245	-0.027665252	0.550932689
SYNJ2BP	blue	0.026123394	0.573356912	0.031301422	0.49981427
SYTL2	blue	-0.068529456	0.139219439	-0.081178432	0.079692577
TAB2	blue	-0.223639894	1.05E-06	-0.231958655	4.01E-07
TAB3	blue	-0.134597609	0.003566526	-0.149994867	0.001149429

TAF4	blue	-0.168417561	0.000256254	-0.183059832	6.92E-05
TAF9B	blue	-0.021765807	0.638956641	-0.04312656	0.352418776
TAOK1	blue	0.019453852	0.674986431	-0.006903281	0.881724755
TAOK3	blue	-0.113180474	0.01439854	-0.123803484	0.007393997
TAPT1	blue	0.176850762	0.000122106	0.165241369	0.00033578
TARSL2	blue	-0.058605825	0.206167137	-0.101123726	0.028885217
TAS2R5	blue	-0.175123366	0.000142528	-0.186291387	5.11E-05
TASP1	blue	-0.171777869	0.000191507	-0.184541026	6.03E-05
TBC1D12	blue	0.106674367	0.02112981	0.082920242	0.073421234
TBC1D15	blue	-0.210573975	4.43E-06	-0.228815935	5.79E-07
TBC1D19	blue	-0.057533785	0.214601419	-0.074515716	0.107787186
TBC1D23	blue	-0.130034976	0.0048852	-0.154943502	0.000780285
TBC1D4	blue	-0.003734747	0.935845516	-0.039557664	0.393719615
TBC1D8E	blue	-0.082815756	0.073785732	-0.104940966	0.02333035
TBCB	blue	-0.107227494	0.020466641	-0.104316466	0.024170373
TBCEL	blue	-0.135963167	0.003240033	-0.150326501	0.001120378
TBCK	blue	0.013797143	0.766181086	-0.02843866	0.539848816
TCAF1	blue	0.049566753	0.285099812	0.013093971	0.777777216
TCEANC	blue	0.00715166	0.877502133	0.011297835	0.807616728
TCEANC	blue	0.062464523	0.177797244	0.052502467	0.257496415
TCF12	blue	0.158621896	0.000580709	0.117979859	0.010721393
TDRD3	blue	0.145899912	0.001570091	0.128732352	0.005335048
TDRD7	blue	-0.056598941	0.222156314	-0.035544596	0.443492562
TEAD1	blue	-0.174067937	0.00015654	-0.198261687	1.59E-05
TECR	blue	0.120860989	0.008937945	0.127058414	0.005967737
TET2	blue	0.187037456	4.76E-05	0.150316157	0.001121273
TGFBR1	blue	-0.070391192	0.128768912	-0.090668484	0.050212851
THAP2	blue	-0.164035483	0.000371595	-0.190842139	3.31E-05
THAP4	blue	0.041738935	0.368141028	0.040114044	0.387095429
THAP6	blue	0.077217652	0.095573121	0.076372516	0.09926873
THAP8	blue	-0.210040983	4.69E-06	-0.211428211	4.05E-06
THSD7A	blue	-0.113348337	0.014253247	-0.110931581	0.016474371
THUMPC	blue	0.055634831	0.23014463	0.042556626	0.358824349
TIGD7	blue	-0.380472804	1.56E-17	-0.400850232	1.88E-19
TIPARP	blue	-0.147015437	0.001443327	-0.176086132	0.000130781
TMCC1	blue	-0.001959418	0.966315399	-0.028295409	0.541893346
TMCC3	blue	-0.313319504	4.27E-12	-0.313641876	4.05E-12
TMED8	blue	0.014463167	0.755245446	-0.015971592	0.730661289
TMED9	blue	0.103200182	0.025737117	0.108650354	0.01884322
TMEM10	blue	-0.089541959	0.053147791	-0.093324493	0.043825544
TMEM12	blue	0.003402554	0.941541155	0.015872165	0.732273602
TMEM13	blue	-0.042893866	0.355025295	-0.031873344	0.49200871
TMEM16	blue	0.129034658	0.005227449	0.107281464	0.020402914
TMEM16	blue	-0.008220476	0.859372576	-0.031272827	0.500206245
TMEM16	blue	0.044842373	0.333573374	0.008612162	0.852746633

TMEM17 blue	-0.292561242	1.14E-10	-0.328050078	3.53E-13
TMEM18 blue	0.145712777	0.00159233	0.134386347	0.00361962
TMEM18 blue	0.163977511	0.000373404	0.171216641	0.000201129
TMEM19 blue	0.06751139	0.145203098	0.069299078	0.134822998
TMEM20 blue	0.100602717	0.02972511	0.105693423	0.022351868
TMEM22 blue	0.180601225	8.68E-05	0.217926398	1.99E-06
TMEM24 blue	-0.199274675	1.44E-05	-0.229179241	5.55E-07
TMEM30 blue	0.061272339	0.186234733	0.058127431	0.209900768
TMEM39 blue	-0.120736522	0.009009161	-0.148860761	0.001254104
TMEM45 blue	-0.224322076	9.72E-07	-0.234058406	3.13E-07
TMEM53 blue	0.140743385	0.002299663	0.145783182	0.00158393
TMEM54 blue	0.031671233	0.494759646	0.060786273	0.189758156
TMEM56 blue	0.182056802	7.59E-05	0.154529911	0.000806316
TMEM56 blue	-0.124840248	0.006909702	-0.156789807	0.000673295
TMEM64 blue	-0.176399695	0.000127156	-0.208579419	5.48E-06
TMEM9 blue	0.313063388	4.45E-12	0.316471214	2.53E-12
TMF1 blue	0.108323691	0.019205655	0.091667608	0.047724328
TMTC1 blue	-0.260894965	1.05E-08	-0.264664876	6.32E-09
TMTC2 blue	0.168001798	0.000265556	0.142474601	0.002025891
TMX3 blue	0.074220891	0.109191318	0.040537983	0.382093855
TNIP2 blue	0.15537973	0.000753675	0.159919823	0.000522427
TNKS2 blue	0.048905718	0.291580696	0.024489147	0.597585513
TNRC6A blue	-0.106037255	0.021916724	-0.113618539	0.014022081
TOP1MT blue	-0.112651443	0.014864993	-0.165428911	0.000330508
TOPORS blue	-0.057972024	0.211124086	-0.088257084	0.056668264
TOR2A blue	0.266228926	5.11E-09	0.27153961	2.45E-09
TP53INP1blue	0.04356434	0.347547805	0.030717438	0.507851545
TPP2 blue	-0.015092513	0.744956743	-0.030438221	0.511718128
TPRA1 blue	-0.157768061	0.000622281	-0.150198758	0.001131487
TPST1 blue	-0.436652122	3.66E-23	-0.427619211	3.48E-22
TRABD blue	0.314567198	3.48E-12	0.329285704	2.85E-13
TRAF2 blue	0.09833748	0.03362439	0.100793531	0.02941511
TRAF6 blue	-0.012640813	0.785276734	-0.044604346	0.336148277
TRAK2 blue	-0.151393708	0.001031419	-0.164179891	0.000367126
TRAPPC1blue	0.077276345	0.0953206	0.053478067	0.248746594
TRAPPC1blue	0.010577364	0.819667566	-0.02464998	0.595180611
TRDMT1 blue	0.001934704	0.966740011	-0.00612209	0.895026873
TRIM13 blue	0.173036561	0.000171473	0.151922404	0.000989805
TRIM23 blue	-0.073370315	0.113323165	-0.095044083	0.040066254
TRIM28 blue	0.000247404	0.9957456	0.000806957	0.986124085
TRIM33 blue	-0.028158919	0.543844974	-0.077303908	0.095202197
TRIM44 blue	-0.18064497	8.65E-05	-0.201632629	1.13E-05
TRIM5 blue	0.045537665	0.326124763	0.050155175	0.279413125
TRIM6 blue	-0.047561285	0.305064096	-0.038641412	0.404776338
TRIM66 blue	0.099897437	0.030895341	0.087221265	0.059645266

TRIP11	blue	-0.000606989	0.989562375	-0.01993573	0.667411773
TRIQQ	blue	0.009507761	0.837635844	-0.034710364	0.454271634
TRMT1	blue	-0.184413486	6.10E-05	-0.197039073	1.80E-05
TRMT11	blue	-0.138875032	0.002632687	-0.174174993	0.000155062
TRMT61	blue	-0.180198717	9.01E-05	-0.158368163	0.000592786
TRPM7	blue	0.109334348	0.01810359	0.08178735	0.077452584
TRPS1	blue	0.24688299	6.49E-08	0.211940974	3.83E-06
TRPT1	blue	0.241681568	1.24E-07	0.262925278	8.00E-09
TSC1	blue	-0.005192935	0.910886611	-0.035201632	0.447906254
TSC22D2	blue	-0.289985052	1.69E-10	-0.31061157	6.65E-12
TSPO	blue	0.293485211	9.91E-11	0.302034573	2.63E-11
TSPYL4	blue	-0.224764283	9.24E-07	-0.241965656	1.20E-07
TSSC4	blue	-0.005926468	0.898362689	0.014186987	0.75977434
TST	blue	0.136775305	0.003058974	0.151000185	0.001063434
TTBK2	blue	-0.053299381	0.250333465	-0.07615263	0.10024865
TTC17	blue	-0.177219743	0.000118116	-0.224605745	9.41E-07
TTC21B	blue	-0.097636446	0.034916207	-0.121035905	0.008838711
TTC3	blue	0.066296559	0.152597864	0.031700768	0.494357131
TTC33	blue	-0.082548467	0.074724887	-0.120768051	0.008991073
TTC37	blue	-0.040386189	0.383880142	-0.074036764	0.110075533
TTC39B	blue	-0.00322624	0.944565381	0.013446576	0.771956001
TUBGCP	blue	-0.057514039	0.21475906	-0.083135218	0.072675906
TWF2	blue	0.153446713	0.000878343	0.16923051	0.000238939
TWSG1	blue	-0.23138736	4.29E-07	-0.261761255	9.36E-09
TXNRD2	blue	0.20425775	8.62E-06	0.212437235	3.63E-06
UACA	blue	-0.049461518	0.286125006	-0.070125491	0.130222069
UBA6	blue	0.068846797	0.137393493	0.038166741	0.410576406
UBALD1	blue	0.000364705	0.993728521	0.026459933	0.568425787
UBALD2	blue	-0.063496496	0.170725564	-0.035527343	0.443714001
UBE2F-S	blue	0.042270055	0.362072552	0.040973418	0.376997978
UBE3A	blue	0.0444302	0.338040196	0.018299706	0.693261229
UBE4A	blue	0.010673363	0.818059338	-0.01468929	0.751543638
UBL3	blue	-0.025496466	0.582596486	-0.049403702	0.286689294
UBR1	blue	0.166528771	0.000301112	0.146833481	0.00146334
UBR2	blue	-0.164117989	0.000369036	-0.176423557	0.000126884
UBR3	blue	0.035168498	0.448333969	0.00526925	0.90958258
UBTD1	blue	-0.02246336	0.628245738	6.94E-06	0.999880601
UEVLD	blue	0.179573108	9.54E-05	0.159041064	0.000561258
UFSP1	blue	-0.093965191	0.04239156	-0.077617472	0.093863468
UGGT2	blue	-0.085097663	0.066153562	-0.117579152	0.010992926
UHRF1BI	blue	0.135205051	0.003417775	0.117721214	0.010895971
UHRF2	blue	-0.092873866	0.044858398	-0.128505868	0.005416961
ULK2	blue	0.029700447	0.522007958	-0.004779097	0.917962203
UQCRC1	blue	0.192363218	2.85E-05	0.223403385	1.08E-06
UROD	blue	-0.081031096	0.080242385	-0.056392883	0.223846799

USF2	blue	-0.187964741	4.36E-05	-0.190543736	3.40E-05
USP12	blue	-0.111943633	0.015509808	-0.142487338	0.002023993
USP13	blue	-0.073189693	0.114216177	-0.08863883	0.055602661
USP15	blue	-0.027963206	0.546649461	-0.041869097	0.366648013
USP25	blue	-0.118707494	0.010243485	-0.142382162	0.002039721
USP3	blue	0.131550926	0.004404946	0.100373649	0.030100954
USP33	blue	-0.121244015	0.008721924	-0.141032415	0.002251727
USP4	blue	-0.183903562	6.40E-05	-0.167596254	0.000274932
USP46	blue	-0.006430206	0.889776548	-0.041445423	0.371521551
USP47	blue	0.044911313	0.332829974	0.018915956	0.683480538
USP49	blue	-0.157910777	0.000615146	-0.173860671	0.000159439
USP53	blue	0.074769027	0.106592182	0.033205038	0.474089346
USP8	blue	0.094652204	0.040898072	0.072468766	0.117835623
UTP20	blue	0.063737132	0.1691072	0.053361595	0.249780161
UTRN	blue	-0.033313436	0.472646639	-0.049807226	0.282766455
UVRAG	blue	-0.364476807	4.06E-16	-0.389897748	2.10E-18
UVSSA	blue	0.152331837	0.000958649	0.147183127	0.001425106
VAMP3	blue	-0.187359487	4.62E-05	-0.199629762	1.38E-05
VAX2	blue	0.058092695	0.210173759	0.071385388	0.123442703
VCPIP1	blue	-0.111800012	0.015643602	-0.123348848	0.007615778
VEGFB	blue	-0.081150554	0.079796374	-0.061303985	0.186007015
VMP1	blue	-0.097787564	0.034634224	-0.113983746	0.013714882
VPS13A	blue	0.013369	0.773235628	0.003405114	0.941497258
VPS13C	blue	0.094911825	0.040345375	0.075267546	0.104270985
VPS13D	blue	-0.016685786	0.719115195	-0.028942473	0.532688893
VPS16	blue	-0.014948091	0.747313858	-0.017634271	0.703880029
VPS36	blue	0.080017036	0.084110355	0.055017246	0.235367534
VPS41	blue	-0.056653983	0.221706303	-0.085134364	0.066036323
VPS54	blue	0.021086347	0.649462404	-0.008635874	0.852345846
VPS8	blue	-0.185082863	5.73E-05	-0.213596028	3.20E-06
VWA8	blue	0.188487902	4.15E-05	0.154438017	0.000812207
VWDE	blue	-0.055783218	0.228902059	-0.060338578	0.193046519
WASF3	blue	-0.07492984	0.105838989	-0.107505629	0.020140064
WASL	blue	0.019452858	0.67500209	0.018595783	0.68855562
WDFY1	blue	-0.075402829	0.103648037	-0.083366876	0.071879667
WDFY2	blue	0.120971049	0.00887539	0.118448613	0.010411306
WDFY3	blue	0.059719482	0.197662324	0.028463379	0.539496397
WDR11	blue	0.051675851	0.265074805	0.01412685	0.760761577
WDR20	blue	-0.05544392	0.231750314	-0.073333276	0.11350584
WDR35	blue	-0.158646634	0.000579544	-0.186452801	5.03E-05
WDR36	blue	0.016167138	0.7274938	-0.015504918	0.738239021
WDR44	blue	-0.042879569	0.355185843	-0.074361008	0.10852221
WDR47	blue	-0.051277935	0.268776966	-0.067877983	0.143026232
WDR48	blue	-0.074749173	0.106685461	-0.106626283	0.021188332
WDR73	blue	-0.000459291	0.992102061	-0.025172409	0.587399381

WDR83O	blue	-0.02018975	0.663432303	-0.000280924	0.9951692
WHAMM	blue	0.143026763	0.001945057	0.149027262	0.001238206
WRN	blue	0.020796087	0.653971818	-0.02446807	0.597901003
WWC2	blue	-0.289375637	1.85E-10	-0.297877055	5.04E-11
WWP1	blue	0.03488657	0.451982694	-0.022730309	0.624167138
XIAP	blue	0.107908189	0.019675422	0.099924512	0.030849701
XPO4	blue	-0.018041347	0.697377046	-0.040285789	0.385064433
XRN1	blue	-0.149327545	0.001210002	-0.160358465	0.000503992
YAP1	blue	-0.077149446	0.095867236	-0.113288208	0.014305142
YPEL2	blue	-0.225258937	8.73E-07	-0.237105739	2.17E-07
YPEL5	blue	-0.196652046	1.87E-05	-0.218037434	1.97E-06
YTHDC1	blue	-0.095976759	0.038143886	-0.139600051	0.00249856
YTHDC2	blue	0.233444695	3.36E-07	0.183272998	6.78E-05
YTHDF3	blue	-0.122326609	0.00813629	-0.156369456	0.000696384
YY2	blue	0.022347808	0.630014727	0.013130683	0.777170553
ZBTB1	blue	-0.020178548	0.663607606	-0.056625544	0.221938737
ZBTB11	blue	-0.113302308	0.014292958	-0.153160411	0.00089835
ZBTB14	blue	-0.106914438	0.02083972	-0.141160104	0.002230841
ZBTB17	blue	0.112985901	0.014568579	0.135697062	0.003301442
ZBTB21	blue	-0.007653597	0.868979561	-0.04014433	0.386736805
ZBTB26	blue	-0.108781288	0.01869963	-0.122050046	0.008282462
ZBTB34	blue	-0.111211185	0.016202773	-0.145836676	0.001577574
ZBTB43	blue	-0.015851638	0.732606608	-0.036133606	0.435970529
ZBTB44	blue	-0.128649008	0.005365061	-0.161428651	0.000461521
ZBTB45	blue	0.210646544	4.40E-06	0.21191459	3.84E-06
ZBTB8A	blue	-0.009292025	0.841270572	-0.000261888	0.995496544
ZC2HC1	blue	-0.10088855	0.029261777	-0.150720563	0.001086737
ZC3H12C	blue	-0.243785734	9.56E-08	-0.26040402	1.12E-08
ZC3H13	blue	-0.031330451	0.499416517	-0.073513768	0.11261783
ZC3H6	blue	-0.10340724	0.025440059	-0.110196595	0.01720741
ZC3H7A	blue	-0.004503442	0.922678835	-0.017718758	0.702528559
ZC3HAV	blue	0.038547678	0.405917808	0.025256498	0.586151334
ZCCHC4	blue	0.068089027	0.141784404	0.044918197	0.332755803
ZCCHC6	blue	0.149895043	0.001158309	0.131676305	0.004367202
ZCWPW2	blue	0.053583883	0.247810178	0.038605438	0.405214199
ZDHHC1	blue	0.289459484	1.82E-10	0.319223589	1.60E-12
ZDHHC2	blue	0.109148518	0.018301986	0.106917972	0.020835477
ZDHHC2	blue	-0.072419345	0.118086991	-0.09117909	0.048927862
ZDHHC2	blue	0.223536422	1.06E-06	0.257425166	1.67E-08
ZFAND2I	blue	0.041295791	0.373252308	0.047148394	0.309286485
ZFAND4	blue	-0.033887126	0.465051449	-0.046679455	0.31412851
ZFAND5	blue	0.038625767	0.404966724	0.009727856	0.833931232
ZFP1	blue	0.031038319	0.503426961	0.015896641	0.731876592
ZFP2	blue	0.031916189	0.491426602	-0.002056781	0.964642683
ZFP3	blue	-0.416942062	4.58E-21	-0.408959379	2.96E-20



ZFP36L2 blue	-0.032467454	0.483969884	-0.047629945	0.30436567
ZFP37 blue	0.074734909	0.106752522	0.035438296	0.444857908
ZFP90 blue	0.094800631	0.040581315	0.079089313	0.087779459
ZFX blue	-0.1027433	0.026403183	-0.123166907	0.007706185
ZFYVE16blue	0.051448531	0.267185452	0.012986559	0.779552993
ZHX1 blue	-0.141045359	0.002249601	-0.160215884	0.000509917
ZKSCAN blue	0.028432714	0.539933602	0.003433663	0.941007643
ZKSCAN blue	-0.027216322	0.557417189	-0.046337974	0.317685575
ZKSCAN blue	-0.352086503	4.48E-15	-0.362653943	5.81E-16
ZKSCAN blue	-0.22257808	1.18E-06	-0.243349342	1.01E-07
ZMAT3 blue	0.050858336	0.272719027	0.053251562	0.25075933
ZMYM1 blue	-0.130432386	0.004754935	-0.158243947	0.000598782
ZMYM2 blue	0.034765844	0.453550238	-0.002657927	0.9543186
ZMYM4 blue	-0.081407745	0.078842929	-0.113900539	0.013784347
ZNF106 blue	0.085482598	0.064932362	0.062877387	0.17494241
ZNF107 blue	-0.038833315	0.402445388	-0.047224438	0.30850595
ZNF117 blue	0.036179888	0.435382604	0.02410608	0.603331091
ZNF12 blue	-0.156071012	0.00071322	-0.161217704	0.000469619
ZNF121 blue	0.092246851	0.046329518	0.086381422	0.062152923
ZNF131 blue	-0.086230685	0.062612079	-0.117222906	0.011239427
ZNF136 blue	-0.138460787	0.002712234	-0.151308372	0.001038285
ZNF148 blue	-0.143500418	0.001878079	-0.16072547	0.000489034
ZNF160 blue	0.01383572	0.765546383	-0.004951347	0.915016342
ZNF169 blue	-0.056430189	0.223540064	-0.070613373	0.127563439
ZNF175 blue	-0.184278017	6.18E-05	-0.19397345	2.44E-05
ZNF182 blue	-0.140480838	0.002344013	-0.158126364	0.000604511
ZNF189 blue	0.032134871	0.488461247	-0.007915059	0.864546041
ZNF197 blue	-0.020635235	0.656476229	-0.052129098	0.260900694
ZNF2 blue	-0.0858591	0.063755908	-0.112144696	0.01532419
ZNF200 blue	0.147652367	0.001375236	0.127795652	0.005681219
ZNF205 blue	0.133233521	0.003922176	0.141374639	0.002196148
ZNF214 blue	-0.261273245	9.99E-09	-0.280221296	7.12E-10
ZNF217 blue	-0.084125433	0.069322112	-0.097514004	0.035146115
ZNF23 blue	-0.014352334	0.75706193	0.000106503	0.998168556
ZNF24 blue	-0.024045952	0.604235183	-0.057293857	0.216522538
ZNF248 blue	-0.303338903	2.14E-11	-0.336753988	7.59E-14
ZNF267 blue	-0.107234358	0.020458527	-0.10125737	0.028673086
ZNF274 blue	-0.213338446	3.29E-06	-0.223836985	1.03E-06
ZNF280C blue	-0.01294162	0.780296275	-0.03736123	0.420530914
ZNF280Dblue	0.022915542	0.621343775	-0.004048677	0.930466024
ZNF286A blue	0.000786477	0.986476205	-0.036732233	0.428401359
ZNF286B blue	-0.095807133	0.038487574	-0.134648771	0.003553774
ZNF287 blue	0.050843496	0.272859169	0.018715537	0.68665575
ZNF292 blue	-0.013222206	0.775658698	-0.035227135	0.447577185
ZNF320 blue	0.023531595	0.61199381	0.020632377	0.656520771

ZNF333	blue	-0.194154737	2.39E-05	-0.221462962	1.34E-06
ZNF337	blue	-0.102822582	0.026286547	-0.133587761	0.003826856
ZNF33A	blue	-0.03048289	0.511098524	-0.065245297	0.159224544
ZNF33B	blue	0.026727496	0.564519816	8.95E-05	0.998460277
ZNF354C	blue	-0.363882897	4.56E-16	-0.380895819	1.43E-17
ZNF37A	blue	-0.132742634	0.00405782	-0.161926111	0.000442934
ZNF397	blue	-0.038410973	0.407585987	-0.065166095	0.159732456
ZNF408	blue	0.001090593	0.981247641	0.003617843	0.937849542
ZNF41	blue	-0.04893324	0.291308913	-0.071970762	0.12038782
ZNF426	blue	0.028988662	0.532034879	0.020028741	0.665953574
ZNF436	blue	-0.000584912	0.989941988	-0.026411657	0.569131905
ZNF441	blue	-0.203850452	8.99E-06	-0.211794157	3.89E-06
ZNF442	blue	-0.05427456	0.241758456	-0.051009712	0.271292353
ZNF445	blue	-0.012295927	0.790997799	-0.042080966	0.364225851
ZNF451	blue	-0.133457883	0.003861557	-0.136901156	0.003031755
ZNF484	blue	-0.002515256	0.956768208	-0.016303505	0.725287626
ZNF491	blue	0.177472099	0.000115458	0.171397799	0.000197975
ZNF510	blue	0.07935907	0.086699553	0.041104307	0.375474394
ZNF518A	blue	0.070093587	0.130397408	0.053025949	0.252775376
ZNF518B	blue	-0.076273844	0.099707517	-0.102069411	0.027412688
ZNF519	blue	-0.232583822	3.72E-07	-0.258702295	1.41E-08
ZNF525	blue	0.056473193	0.223186852	0.044071469	0.341958871
ZNF555	blue	0.05961875	0.198420904	0.032396628	0.484924478
ZNF558	blue	-0.04678508	0.313033571	-0.079521682	0.086053755
ZNF561	blue	0.120501057	0.009145269	0.096915565	0.036288409
ZNF562	blue	0.165113206	0.000339427	0.156808276	0.000672297
ZNF579	blue	-0.141615154	0.002157841	-0.123523091	0.007530086
ZNF580	blue	0.09378021	0.042801456	0.116211174	0.011966368
ZNF594	blue	-0.064530702	0.163851425	-0.087026468	0.060219324
ZNF595	blue	-0.13508273	0.003447268	-0.153426909	0.000879714
ZNF597	blue	0.167331649	0.000281216	0.165870818	0.000318389
ZNF621	blue	0.102874542	0.026210347	0.078175565	0.09151801
ZNF624	blue	-0.013640804	0.768754887	-0.021887018	0.637089958
ZNF627	blue	-0.120524203	0.009131809	-0.138015211	0.002800237
ZNF628	blue	-0.030308658	0.513517481	-0.017241256	0.710178921
ZNF630	blue	-0.040490893	0.38264746	-0.045086517	0.330945503
ZNF641	blue	0.00109656	0.981145061	-0.029547056	0.524160561
ZNF644	blue	-0.207281979	6.29E-06	-0.231500415	4.23E-07
ZNF652	blue	0.179276782	9.80E-05	0.186926437	4.81E-05
ZNF653	blue	0.086659495	0.061313179	0.094659754	0.04088191
ZNF654	blue	0.057918986	0.211542753	0.051053964	0.270876252
ZNF655	blue	-0.101601798	0.028132537	-0.119550584	0.009713461
ZNF658	blue	-0.03525602	0.447204654	-0.086898725	0.060598248
ZNF660	blue	-0.371694064	9.53E-17	-0.401683964	1.56E-19
ZNF674	blue	-0.167854764	0.00026892	-0.161917204	0.00044326

ZNF697	blue	-0.042845584	0.355567647	-0.078756252	0.089127683
ZNF701	blue	0.03667515	0.429119835	0.039544998	0.393871203
ZNF704	blue	0.082430562	0.075142243	0.039098288	0.399240104
ZNF711	blue	-0.218735138	1.82E-06	-0.236638018	2.29E-07
ZNF713	blue	0.049982331	0.281075518	0.046127079	0.319895477
ZNF717	blue	-0.420998028	1.74E-21	-0.417792361	3.74E-21
ZNF718	blue	-0.275496864	1.40E-09	-0.272148027	2.25E-09
ZNF720	blue	-0.047469337	0.306001075	-0.049250131	0.288191803
ZNF730	blue	-0.174631845	0.0001489	-0.167263735	0.00028285
ZNF737	blue	0.002400117	0.958745396	0.003741694	0.935726448
ZNF75D	blue	0.015746358	0.734315368	0.000487768	0.991612383
ZNF761	blue	0.066618591	0.150610366	0.052244943	0.259841147
ZNF772	blue	-0.333588245	1.33E-13	-0.332266223	1.69E-13
ZNF774	blue	-0.101947854	0.027598273	-0.128641293	0.005367847
ZNF791	blue	-0.104173467	0.024366359	-0.116249205	0.011938307
ZNF800	blue	0.02271296	0.624431861	-0.003625039	0.937726177
ZNF816	blue	0.251084048	3.80E-08	0.25297179	2.98E-08
ZNF839	blue	0.04021719	0.38587488	0.01653427	0.721559462
ZNF841	blue	0.05849896	0.206996965	0.054364468	0.240978371
ZNF844	blue	-0.041067231	0.37590558	-0.048633692	0.29427613
ZNF846	blue	-0.130125272	0.004855323	-0.165192459	0.000337167
ZNF865	blue	-0.019093162	0.680677733	0.000710006	0.987791046
ZNF91	blue	-0.034978659	0.450789046	-0.03812729	0.411060674
ZP3	blue	-0.041645668	0.369213159	-0.017900034	0.699632024
ZSCAN12	blue	-0.394747471	7.28E-19	-0.418584911	3.10E-21
ZSCAN21	blue	-0.014587277	0.753212978	-0.053755619	0.246295647
ZSCAN26	blue	-0.273818364	1.78E-09	-0.301485715	2.87E-11
ZSCAN29	blue	0.146511561	0.001499373	0.116011951	0.012114311
ZSCAN32	blue	0.035058491	0.449755697	0.00356396	0.938773363
ZSWIM6	blue	0.035819363	0.439974452	0.028055497	0.545326076
ZXDA	blue	-0.222496773	1.20E-06	-0.241081594	1.34E-07
ZXDB	blue	-0.108356684	0.019168775	-0.139265414	0.002559673
ZYG11B	blue	-0.206858234	6.57E-06	-0.227660706	6.63E-07
ZZZ3	blue	-0.134453523	0.00360266	-0.176181928	0.000129663
ABAT	brown	0.067898754	0.142903645	0.0807202	0.081412628
ABCB11	brown	-0.060076673	0.194989486	-0.04812815	0.2993295
ABCC11	brown	-0.066297292	0.152593318	-0.080250137	0.083208171
ABCC6	brown	-0.095221614	0.039694152	-0.086460345	0.061913628
ABCD1	brown	-0.216144547	2.43E-06	-0.204711535	8.22E-06
ABHD6	brown	0.194301311	2.36E-05	0.15921113	0.00055354
ABLM2	brown	-0.106879911	0.020881227	-0.081766217	0.077529459
AC00239	brown	0.132449811	0.004140741	0.10668528	0.021116547
AC00654	brown	0.061290734	0.186102342	0.076492821	0.09873583
AC00699	brown	-0.050276978	0.27824566	-0.053679243	0.246968404
AC01054	brown	-0.100330933	0.030171487	-0.106956801	0.020788892

AC09238	brown	-0.061668504	0.183398826	-0.037447469	0.419458467
AC10453	brown	0.167402079	0.00027953	0.185370988	5.57E-05
AC10480	brown	0.089184586	0.054108185	0.101017209	0.029055252
AC10893	brown	-0.030882728	0.505569857	-0.039598173	0.393235024
AC24510	brown	-0.021429075	0.644154311	-0.014018928	0.76253425
ACAD10	brown	0.132486786	0.004130186	0.116628914	0.011661326
ACADL	brown	0.047722554	0.3034253	0.014247248	0.758785448
ACCS	brown	-0.080915431	0.08067616	-0.081562226	0.078274703
ACOT7	brown	0.032468017	0.483962295	0.037960127	0.41311635
ACSBG1	brown	0.00776398	0.867107332	0.000771634	0.986731423
ACSM1	brown	0.079081832	0.087809565	0.07275444	0.116390796
ACSS1	brown	-0.096701565	0.036704476	-0.072696525	0.116682582
ACYP2	brown	-0.131582287	0.004395477	-0.125512832	0.006610912
ADAMTS	brown	-0.037928333	0.413508023	-0.037708054	0.416227654
ADAMTS	brown	0.114146126	0.013580207	0.091605221	0.047876632
ADCYAP	brown	-0.005447841	0.906531835	0.002370719	0.959250266
ADGB	brown	0.030183124	0.515264022	0.042856154	0.355448863
ADH1C	brown	0.065470725	0.157785575	0.08144497	0.0787057
ADH6	brown	0.147668758	0.001373524	0.156505545	0.00068883
ADH7	brown	0.11105915	0.016349964	0.097128813	0.035877798
ADPRHL	brown	0.09254201	0.04563204	0.100690536	0.029582092
AGBL2	brown	-0.001633734	0.971911728	0.008076394	0.861812451
AGPAT4	brown	-0.145293331	0.001643233	-0.142199963	0.002067231
AGPAT6	brown	-0.068453712	0.139658002	-0.096273364	0.037549169
AGR2	brown	0.302186429	2.57E-11	0.340387653	3.93E-14
AGR3	brown	0.065406157	0.158196724	0.079954501	0.084353724
AK7	brown	0.126007227	0.006398721	0.122490966	0.008050517
AK8	brown	0.132395446	0.004156303	0.140040118	0.002420219
AK9	brown	0.109394983	0.018039263	0.115795757	0.012276683
AKAP14	brown	0.081199743	0.079613305	0.097218484	0.035706318
AKNA	brown	0.017766303	0.70176844	0.040540703	0.38206189
AKR1C3	brown	0.081836586	0.077273719	0.079489922	0.086179583
AKR1C4	brown	0.002015409	0.965353437	0.019299063	0.677426594
ALDH3A	brown	0.163015888	0.000404623	0.197907918	1.65E-05
ALDH3B	brown	-0.189064639	3.92E-05	-0.161010462	0.000477704
ALDOC	brown	0.058977707	0.203298166	0.031725377	0.494021889
ALG14	brown	0.15286801	0.000919218	0.156005153	0.000716986
ALG1L	brown	0.050803707	0.273235143	0.066689834	0.15017334
ALOX15	brown	0.129100235	0.005204368	0.132578801	0.004104027
ALPK1	brown	0.086629512	0.061403271	0.089495697	0.053271308
ALPP	brown	0.109192146	0.018255238	0.126809287	0.006067452
ALS2CR1	brown	-0.117522058	0.011032107	-0.113704705	0.013949061
AMPD3	brown	0.052185762	0.260382056	0.062363323	0.178502264
AMT	brown	-0.008469546	0.855158022	-0.017282671	0.709514223
ANAPC4	brown	0.144585229	0.001732564	0.12800351	0.005602704

ANKDD1 brown	0.029840054	0.520052742	0.042512353	0.359324976
ANKFN1 brown	0.26049975	1.11E-08	0.253755734	2.69E-08
ANKK1 brown	0.087978565	0.057456366	0.092789662	0.045053648
ANKMY1 brown	0.114710062	0.013121492	0.119432453	0.009786228
ANKRD3 brown	-0.152815794	0.000922991	-0.155357966	0.000754982
ANKRD3 brown	0.209226995	5.12E-06	0.214520554	2.90E-06
ANKRD3 brown	0.299084269	4.18E-11	0.314658394	3.42E-12
ANKRD4 brown	0.102692911	0.026477543	0.094528741	0.041163143
ANKRD4 brown	-0.04780709	0.302568587	-0.049567926	0.285088405
ANKRD5 brown	-0.204709726	8.22E-06	-0.198103472	1.61E-05
ANKRD5 brown	0.218711515	1.83E-06	0.245265031	7.95E-08
ANKRD6 brown	-0.147016866	0.001443171	-0.110866673	0.016537988
ANKRD6 brown	0.075250845	0.104348095	0.08467519	0.0675155
ANKS4B brown	0.003106288	0.946623332	0.017962359	0.698637156
ANKUB1 brown	0.021015622	0.650560002	0.035629398	0.442405052
ANXA13 brown	-0.167746611	0.00027142	-0.168013134	0.000265298
ANXA8 brown	0.046097077	0.320210668	0.07148328	0.122927677
ANXA8L brown	-0.031026613	0.503588016	-0.006435527	0.889685914
APLN brown	0.195674033	2.06E-05	0.150008438	0.001148227
APOBEC brown	0.116825618	0.011520087	0.126401236	0.006234012
APOO brown	0.261997883	9.07E-09	0.269091776	3.44E-09
AQP10 brown	-0.045539721	0.326102891	-0.036845505	0.426977745
AQP3 brown	0.19967043	1.38E-05	0.216148406	2.43E-06
AQP7 brown	-0.066620143	0.150600833	-0.045717302	0.324217974
ARHGAP brown	0.102606054	0.026606144	0.117566262	0.011001761
ARHGAP brown	0.217341896	2.13E-06	0.22927844	5.49E-07
ARHGAP brown	-0.090433463	0.050813711	-0.146510807	0.001499459
ARHGEF brown	-0.217980557	1.98E-06	-0.214213142	3.00E-06
ARHGEF brown	0.231209421	4.38E-07	0.239704372	1.58E-07
ARL3 brown	0.112120497	0.015346426	0.092169992	0.046512602
ARL6 brown	-0.012338516	0.790290708	-0.025997242	0.575210552
ARMC2 brown	0.018021801	0.697688784	0.024112908	0.603228456
ARMC3 brown	0.146215881	0.001533186	0.157249468	0.00064886
ARMC4 brown	0.034768916	0.453510308	0.031341588	0.499263961
ART3 brown	0.159539445	0.000538918	0.146498855	0.001500812
ASB12 brown	0.072085814	0.119794397	0.068656641	0.138485405
ASRGL1 brown	0.24721205	6.23E-08	0.243792379	9.56E-08
ASTN2 brown	0.023704495	0.609380866	0.009289985	0.841304957
ATF7IP2 brown	-0.117385399	0.011126391	-0.120218034	0.009311286
ATG9B brown	-0.038553961	0.405841234	-0.026775522	0.563820082
ATP2B3 brown	-0.149093668	0.001231917	-0.150129403	0.001137561
ATP4B brown	-0.020779659	0.654227425	-0.012308508	0.79078891
ATP5S brown	-0.020670792	0.655922286	-0.022621047	0.625835129
ATP6AP1 brown	0.093984969	0.042347931	0.074466422	0.108020955
ATXN7L brown	0.075315709	0.104048868	0.072233804	0.119034448

AVPI1	brown	-0.007787923	0.866701327	-0.024073456	0.603821558
AXDND1	brown	0.080537619	0.082106292	0.087389517	0.059153084
AZU1	brown	0.151743334	0.001003723	0.167722441	0.000271982
B3GALT1	brown	0.139955721	0.002435067	0.159676461	0.000532923
B3GNTL1	brown	0.016211026	0.726783518	0.00023998	0.995873262
B9D1	brown	0.113857222	0.013820632	0.122941905	0.007819314
B9D2	brown	0.166471301	0.000302586	0.182215562	7.48E-05
BAIAP3	brown	0.095573516	0.038965211	0.094339434	0.041572395
BARX1	brown	8.24E-05	0.998583452	0.006821505	0.88311575
BBOX1	brown	0.055649087	0.230025047	0.063543742	0.170406904
BBS12	brown	-0.044453442	0.337787301	-0.039797833	0.39085185
BBS4	brown	0.233707155	3.26E-07	0.211226001	4.14E-06
BBS5	brown	0.033247022	0.473530277	0.038443688	0.407186401
BCAS1	brown	-0.042485938	0.359623879	-0.029656856	0.52261924
BCAS3	brown	-0.054726768	0.237852799	-0.058120001	0.209959139
BCO2	brown	-0.126035469	0.006386787	-0.117722815	0.010894883
BEST4	brown	0.03427843	0.459909967	0.041269976	0.373551409
BLCAP	brown	-0.376119286	3.85E-17	-0.350123062	6.49E-15
BMP15	brown	0.047632346	0.304341263	0.07212159	0.119610336
BMP2	brown	0.02453636	0.596879088	0.016113343	0.728364719
BMPR1B	brown	0.197143847	1.78E-05	0.207294359	6.28E-06
BTBD9	brown	-0.077831756	0.092957293	-0.064352984	0.165017644
BTG4	brown	-0.005550365	0.904781111	-0.007093515	0.878490332
C10orf10	brown	0.048864162	0.291991391	0.051545121	0.266287219
C10orf53	brown	-0.123398032	0.007591501	-0.121264706	0.008710388
C10orf67	brown	-0.097852199	0.034514208	-0.093731662	0.042909585
C11orf16	brown	0.121003252	0.008857161	0.139538852	0.002509637
C11orf49	brown	0.198644041	1.53E-05	0.194070842	2.41E-05
C11orf52	brown	0.062775426	0.175644247	0.07476141	0.106627962
C11orf63	brown	0.152698686	0.000931505	0.138095179	0.002784254
C11orf70	brown	-0.023432149	0.613498913	-0.021517269	0.642791288
C11orf74	brown	0.008576423	0.853350787	-0.002684678	0.953859346
C11orf88	brown	-0.056973112	0.219109998	-0.061094513	0.187518132
C11orf91	brown	-0.061617492	0.183762187	-0.04483107	0.333695357
C12orf60	brown	-0.078437506	0.09043348	-0.062867636	0.175009439
C12orf74	brown	0.151208591	0.001046367	0.144691608	0.001718865
C12orf76	brown	-0.073851335	0.110971686	-0.072459826	0.11788106
C14orf10	brown	-0.180068668	9.12E-05	-0.171233364	0.000200836
C14orf14	brown	0.101732744	0.027929338	0.129933194	0.004919076
C14orf15	brown	0.042138526	0.363569526	0.060594134	0.191164358
C14orf79	brown	0.002220221	0.961835109	0.004416678	0.924164003
C14orf93	brown	-7.78E-05	0.998661583	-0.010502738	0.820918263
C15orf26	brown	0.119330956	0.009849133	0.122923084	0.007828844
C15orf65	brown	0.280189376	7.16E-10	0.295978563	6.76E-11
C16orf46	brown	0.173860014	0.000159449	0.164522809	0.000356713

C16orf71 brown	0.122230688	0.008186724	0.14732945	0.00140938
C16orf93 brown	0.13743792	0.002918118	0.148049408	0.001334298
C17orf50 brown	0.053508888	0.248473592	0.075499211	0.103206023
C17orf97 brown	0.173887604	0.00015906	0.183201048	6.83E-05
C18orf65 brown	0.260866088	1.06E-08	0.257395495	1.67E-08
C19orf18 brown	0.125948539	0.006423586	0.125341216	0.00668603
C19orf26 brown	0.288200419	2.20E-10	0.279312498	8.12E-10
C19orf44 brown	-0.145099551	0.00166725	-0.161045848	0.000476315
C1orf101 brown	-0.01199789	0.795950787	-0.015483256	0.738591386
C1orf110 brown	0.075216394	0.104507302	0.088341602	0.056430893
C1orf137 brown	0.139209963	0.002569931	0.13506112	0.003452503
C1orf158 brown	0.098455553	0.033410873	0.111477893	0.015947364
C1orf168 brown	0.039145706	0.398668117	0.036591998	0.430167658
C1orf186 brown	-0.024689312	0.594593162	-0.004679162	0.919671838
C1orf189 brown	0.11607489	0.012067398	0.119511327	0.009737589
C1orf194 brown	0.139086759	0.002592855	0.14916031	0.001225636
C1orf228 brown	0.11030212	0.017100442	0.121194884	0.00874937
C1orf87 brown	-0.044263018	0.339862853	-0.036656665	0.429352631
C1QL1 brown	-0.099573168	0.031446476	-0.100335324	0.03016423
C1QTNF8 brown	0.107921385	0.019660349	0.113626145	0.014015623
C20orf19 brown	-0.114104582	0.013614552	-0.109022865	0.018437207
C20orf85 brown	0.056626664	0.221929575	0.069381762	0.134357104
C20orf96 brown	-0.022335222	0.630207545	-0.028265335	0.542323062
C21orf58 brown	0.095993982	0.038109134	0.097248695	0.035648703
C21orf59 brown	0.102646187	0.026546656	0.099016261	0.03241263
C22orf15 brown	0.104249701	0.024261707	0.107708782	0.019904402
C22orf23 brown	-0.079729966	0.085232243	-0.081011105	0.080317222
C22orf42 brown	-0.024967475	0.590446144	-0.039865652	0.390044344
C2CD2L brown	0.233445797	3.36E-07	0.256445394	1.90E-08
C2orf50 brown	0.06111471	0.187372042	0.086642679	0.061363692
C2orf70 brown	-0.037787752	0.415242468	-0.02461627	0.595684306
C2orf73 brown	0.019370443	0.67630091	0.031082617	0.502817751
C2orf81 brown	0.100725733	0.029524937	0.124967806	0.006852123
C2orf88 brown	0.097558816	0.035061823	0.116880224	0.011481147
C4orf22 brown	0.034144233	0.461669648	0.045204784	0.329677342
C4orf33 brown	0.183664155	6.54E-05	0.210659021	4.39E-06
C4orf47 brown	0.123020501	0.007779629	0.129645324	0.005016038
C5orf49 brown	0.034631219	0.455301849	0.055337105	0.232652145
C5orf52 brown	-0.004360508	0.925125614	0.01466674	0.751912544
C6 brown	-0.043053865	0.35323177	-0.035040516	0.449988251
C6orf118 brown	0.096190235	0.037715051	0.102949938	0.026100118
C6orf165 brown	0.024129088	0.602985299	0.040539553	0.382075405
C6orf201 brown	0.000605714	0.989584308	0.011738221	0.800272845
C6orf223 brown	0.07772047	0.093427028	0.050210074	0.278886517
C6orf229 brown	-0.028671212	0.536537947	-0.025023628	0.5896106

C6orf52	brown	0.297100366	5.69E-11	0.318578982	1.78E-12
C6orf57	brown	0.008951871	0.847008315	0.031338794	0.499302236
C7orf57	brown	0.07862722	0.08965445	0.088166941	0.056922348
C8B	brown	0.031179476	0.501487023	0.027766497	0.549475407
C8orf34	brown	0.137423413	0.002921137	0.134399305	0.003616343
C8orf48	brown	-0.181686228	7.86E-05	-0.194087921	2.41E-05
C9orf116	brown	0.25185467	3.44E-08	0.272342915	2.19E-09
C9orf117	brown	0.119663342	0.009644453	0.123510644	0.007536178
C9orf135	brown	-0.07813776	0.091675395	-0.064557232	0.163677862
C9orf171	brown	0.087456831	0.058957115	0.101879763	0.027702701
C9orf24	brown	0.109047807	0.018410296	0.122547888	0.008020999
C9orf43	brown	0.031779975	0.493278545	0.019539619	0.673635824
C9orf50	brown	-0.037703981	0.416278041	-0.035392747	0.445443676
C9orf9	brown	0.188670003	4.08E-05	0.187886916	4.39E-05
CABYR	brown	0.061682272	0.183300846	0.074131995	0.109617512
CACNA2	brown	-0.258154132	1.51E-08	-0.288273885	2.18E-10
CACNG6	brown	-0.266504687	4.92E-09	-0.280285653	7.06E-10
CALM1	brown	0.15296537	0.00091222	0.178533423	0.000104883
CALML4	brown	0.324098956	6.98E-13	0.324121416	6.96E-13
CALN1	brown	0.062423816	0.178080581	0.066847512	0.149209524
CAPN9	brown	0.069650164	0.13285331	0.076595877	0.098281142
CAPS	brown	0.305981683	1.41E-11	0.313687009	4.02E-12
CAPS2	brown	-0.041653359	0.369124678	-0.044130481	0.341312252
CAPSL	brown	0.108862583	0.018610959	0.122620783	0.00798334
CARKD	brown	0.042937938	0.354530701	0.034844799	0.452524711
CASC1	brown	0.096708428	0.03669107	0.109459085	0.017971474
CASP16	brown	0.024469727	0.597876198	0.02312464	0.618163312
CATIP	brown	0.089559958	0.053099799	0.105718493	0.022319889
CATSPEF	brown	0.031319246	0.499570032	0.053414325	0.24931187
CBY1	brown	0.259191927	1.32E-08	0.259160939	1.32E-08
CC2D2A	brown	0.025516905	0.582294161	0.03021892	0.514765681
CCDC103	brown	0.000892484	0.984653594	0.001022961	0.98241035
CCDC108	brown	0.067870651	0.143069523	0.071777739	0.121388559
CCDC113	brown	0.162045594	0.000438575	0.178885028	0.000101586
CCDC114	brown	0.106641112	0.021170269	0.115617473	0.012412026
CCDC125	brown	0.390634649	1.79E-18	0.405209313	7.00E-20
CCDC13	brown	0.058873064	0.204102507	0.070033884	0.130726011
CCDC138	brown	0.094009543	0.042293774	0.09141523	0.048342963
CCDC146	brown	0.130572202	0.004709856	0.11964159	0.009657731
CCDC148	brown	0.074976986	0.10561897	0.058572976	0.206421955
CCDC151	brown	-0.037532898	0.418397674	-0.029737798	0.521484487
CCDC153	brown	-0.023520074	0.612168089	-0.011631289	0.802054461
CCDC157	brown	0.043024663	0.353558691	0.046425531	0.316771038
CCDC160	brown	0.284402394	3.87E-10	0.292322012	1.18E-10
CCDC17	brown	0.036499072	0.431340401	0.046148512	0.319670431



CCDC17(brown	0.109108389	0.018345076	0.117915209	0.010764796
CCDC173brown	0.080515132	0.082192055	0.087595379	0.058555459
CCDC176brown	0.088382371	0.056316688	0.093640611	0.043112999
CCDC18(brown	-0.098013111	0.03421696	-0.094370083	0.041505904
CCDC24 brown	0.013522908	0.770697493	0.026721629	0.56460532
CCDC28/brown	0.074270686	0.10895316	0.088690517	0.055459669
CCDC30 brown	-0.057380994	0.215823401	-0.054883267	0.236511542
CCDC33 brown	0.011985857	0.796150927	0.025208739	0.586860027
CCDC37 brown	0.081867519	0.077161519	0.095789901	0.038522635
CCDC39 brown	-0.112709212	0.01481342	-0.109316644	0.01812241
CCDC40 brown	0.14257231	0.002011367	0.151888498	0.000992426
CCDC42fbrown	0.120227767	0.009305533	0.135726486	0.003294601
CCDC57 brown	0.134905287	0.003490463	0.131228804	0.004503271
CCDC60 brown	0.068593479	0.138849565	0.092123622	0.046623353
CCDC65 brown	0.029564215	0.523919538	0.033119823	0.475225194
CCDC67 brown	-0.30077487	3.21E-11	-0.296002984	6.74E-11
CCDC74/brown	-0.003905017	0.932927395	-0.006798715	0.883503459
CCDC74fbrown	-0.055906869	0.227870269	-0.064495152	0.164084216
CCDC78 brown	0.090178092	0.051473394	0.11209379	0.015371001
CCDC81 brown	-0.216476344	2.34E-06	-0.209865521	4.78E-06
CCDC87 brown	2.06E-05	0.999645282	0.001907607	0.967205575
CCDC88(brown	0.24279337	1.08E-07	0.23665103	2.29E-07
CCDC89 brown	-0.226885363	7.25E-07	-0.220963253	1.42E-06
CCDC96 brown	0.143841424	0.001831174	0.166834243	0.000293392
CCL15 brown	-0.057727597	0.213058519	-0.042017422	0.364951263
CCL15-C(brown	-0.07937871	0.086621347	-0.077285916	0.095279471
CCL20 brown	0.211092669	4.20E-06	0.227309052	6.90E-07
CCNA1 brown	0.16749828	0.000277243	0.18521241	5.66E-05
CCNO brown	0.246987157	6.40E-08	0.277761643	1.02E-09
CCT6B brown	0.162965388	0.000406328	0.146933936	0.00145226
CD164L2 brown	0.080884495	0.080792498	0.091535849	0.048046466
CDC20B brown	0.18950712	3.76E-05	0.196823203	1.84E-05
CDC25B brown	-0.215208275	2.69E-06	-0.226607794	7.48E-07
CDHR2 brown	-0.003811197	0.934535197	0.011059808	0.811593171
CDHR3 brown	0.084185762	0.069121945	0.09655229	0.036997093
CDHR4 brown	0.137094913	0.002990279	0.148631078	0.001276344
CDK20 brown	0.163378768	0.000392567	0.155567223	0.000742497
CDKL1 brown	-0.079160175	0.087494739	-0.075300834	0.10411743
CDKN1A brown	0.417207433	4.30E-21	0.440846302	1.26E-23
CDNF brown	-0.038776771	0.403131362	-0.032965292	0.477288757
CDRT1 brown	0.118462738	0.010402087	0.136821428	0.003048973
CDS1 brown	0.180242802	8.97E-05	0.176359854	0.000127611
CEACAMbrown	-0.025274648	0.585882108	-0.010107908	0.827542942
CEL brown	0.155751389	0.000731668	0.182647181	7.19E-05
CELF3 brown	-0.029349512	0.526939462	-0.026321519	0.57045145

CEP164	brown	-0.180159002	9.04E-05	-0.22440496	9.63E-07
CEP19	brown	-0.132662801	0.004080276	-0.132017588	0.004265939
CEP41	brown	0.033100369	0.475484708	0.033838844	0.46568805
CEP83	brown	0.092845529	0.044924025	0.083069839	0.07290192
CERCAM	brown	-0.117019393	0.011382431	-0.131341472	0.004468657
CERKL	brown	0.238692267	1.79E-07	0.263787786	7.12E-09
CES4A	brown	-0.134537286	0.003581614	-0.142681462	0.001995254
CETN2	brown	-0.030406928	0.51215242	-0.024308453	0.60029263
CFAP221	brown	0.039424772	0.395311864	0.051807138	0.263861047
CFAP36	brown	0.081974611	0.076774087	0.066893138	0.148931515
CFAP43	brown	0.089228932	0.053988233	0.094907539	0.040354449
CFAP45	brown	0.146953176	0.001450147	0.158756152	0.000574412
CFAP46	brown	0.005082305	0.912777439	0.012530232	0.787109845
CFAP52	brown	-0.049105065	0.28961596	-0.037192239	0.422637093
CFAP53	brown	0.05814446	0.209767036	0.06423417	0.165800793
CFAP54	brown	-0.073729283	0.111564671	-0.06560008	0.156964314
CFAP57	brown	0.065606541	0.156923378	0.080236326	0.083261404
CFAP58	brown	-0.01014883	0.826855742	-0.006983839	0.880354832
CFAP61	brown	0.03532395	0.446329264	0.052748735	0.255267901
CFAP69	brown	0.007499834	0.871588792	0.006590708	0.887043471
CFAP70	brown	-0.003552345	0.938972517	0.005459393	0.906334544
CFAP74	brown	0.081553512	0.078306668	0.089437503	0.053427023
CFAP99	brown	0.104555495	0.023845814	0.124110964	0.007247294
CFI	brown	-0.173724033	0.000161378	-0.180837354	8.50E-05
CFP	brown	0.021769235	0.638903816	0.046563524	0.315333181
CH507-35	brown	0.101336303	0.028548427	0.09981661	0.031031937
CHGA	brown	0.109482358	0.017946919	0.145099924	0.001667203
CHIA	brown	0.042749132	0.356652635	0.053256177	0.250718212
CHN2	brown	-0.076129996	0.100349957	-0.074350602	0.108571789
CHRM4	brown	0.145297411	0.001642731	0.146368571	0.001515639
CHST4	brown	0.077233521	0.095504792	0.117238841	0.011228297
CHST5	brown	0.016765475	0.717830777	0.033677745	0.467815614
CHST6	brown	0.319021455	1.65E-12	0.366681002	2.62E-16
CHST9	brown	-0.096373281	0.037350605	-0.096506148	0.037087942
CLEC19A	brown	-0.076850753	0.097163781	-0.072331972	0.118532416
CLGN	brown	0.058921947	0.203726483	0.050975476	0.271614573
CLHC1	brown	0.085336439	0.065393848	0.075107627	0.105011196
CLIC6	brown	-0.079282576	0.087004687	-0.069370023	0.134423175
CLMN	brown	0.101801828	0.027822645	0.088627974	0.055632732
CLUAP1	brown	0.000749931	0.98710458	-0.002085349	0.964151908
CNGA4	brown	0.101233358	0.028711101	0.107984672	0.019588205
CNIH2	brown	0.101546518	0.028218701	0.102568405	0.026662054
CNTD1	brown	0.062021436	0.18089937	0.089904254	0.052188701
CNTF	brown	-0.025906743	0.576542045	-0.023322946	0.615153563
CNTN3	brown	-0.08190715	0.077017957	-0.101825247	0.027786555

CNTN5	brown	-0.095829499	0.038442107	-0.085297182	0.065518258
CNTNAP	brown	-0.030879376	0.50561607	-0.044853383	0.333454573
CNTNAP	brown	-0.015193323	0.743312819	-0.006158663	0.894403424
COBL	brown	0.132865903	0.004023364	0.155273975	0.000760048
COG7	brown	0.245206905	8.01E-08	0.272165736	2.24E-09
COL21A1	brown	0.02956689	0.523881967	0.044332377	0.339105926
COL28A1	brown	0.096022361	0.038051934	0.081409368	0.078836944
COLCA2	brown	-0.008944603	0.847131002	-0.025702854	0.579547134
COLQ	brown	-0.166460664	0.000302859	-0.182947428	6.99E-05
COQ10A	brown	0.007494413	0.871680816	-0.008245395	0.858950736
COQ4	brown	0.216190308	2.41E-06	0.24720285	6.23E-08
COX19	brown	0.012949218	0.780170602	0.018474436	0.690482783
CPM	brown	0.09766811	0.034856961	0.095533844	0.039046818
CPNE2	brown	0.243088369	1.04E-07	0.254429056	2.47E-08
CPXCR1	brown	0.073542599	0.112476492	0.075433601	0.103506751
CR1L	brown	-0.073914669	0.110664955	-0.045431357	0.327256601
CRISP2	brown	-0.142735501	0.001987321	-0.14270278	0.001992122
CRISP3	brown	-0.052402061	0.258408857	-0.045176275	0.329982755
CRLF1	brown	-0.016553241	0.721253257	0.007801323	0.866474107
CROCC	brown	-0.086481194	0.06185054	-0.097159919	0.035818234
CSPP1	brown	-0.016695825	0.718953337	-0.03489782	0.451836773
CT62	brown	-0.077222342	0.095552921	-0.064391593	0.164763758
CTD-250	brown	-0.021320537	0.645833391	-0.007212203	0.87647339
CTNNA2	brown	0.020171899	0.663711646	0.030939859	0.504782461
CTXN1	brown	0.062405268	0.178209795	0.071692454	0.121832786
CUBN	brown	0.010315631	0.824056103	0.014868756	0.748609692
CUEDC1	brown	0.274353725	1.65E-09	0.294382814	8.64E-11
CWH43	brown	0.104183334	0.024352792	0.130543378	0.004719117
CXCL1	brown	-0.069487249	0.133764527	-0.048023028	0.300387494
CXCL17	brown	0.142595418	0.002007946	0.166136706	0.000311299
CXCL2	brown	0.11974794	0.009592966	0.118277223	0.010523748
CXCL3	brown	0.245312884	7.90E-08	0.258452648	1.45E-08
CXCL5	brown	0.132980284	0.00399163	0.147577183	0.001383117
CXCR2	brown	0.080969223	0.080474192	0.110619	0.016782715
CXorf22	brown	0.00172442	0.970353298	0.027261441	0.556763808
CXorf58	brown	-0.011256739	0.808302923	0.014765137	0.750303243
CXXC4	brown	0.068897013	0.137106248	0.04350214	0.34823727
CYP2C8	brown	-0.177514917	0.000115013	-0.18539198	5.56E-05
CYP4B1	brown	-0.026767817	0.56393231	-0.03324043	0.473618035
CYSTM1	brown	0.205930219	7.24E-06	0.247167259	6.26E-08
CYTH1	brown	0.12270989	0.00793752	0.127001316	0.00599046
DAW1	brown	-0.132938744	0.004003129	-0.132381981	0.004160166
DCAKD	brown	0.341545185	3.19E-14	0.330956806	2.12E-13
DCDC1	brown	0.019956463	0.667086615	0.020493507	0.658686085
DCDC2	brown	-0.12891785	0.005268791	-0.119797754	0.009562763

DCDC2B brown	-0.029660761	0.522564456	-0.027243808	0.557019115
DDO brown	-0.078534987	0.090032514	-0.049700892	0.283796636
DENND6 brown	0.220749949	1.46E-06	0.236199801	2.42E-07
DFNB31 brown	0.18979558	3.66E-05	0.168816038	0.000247625
DHRS3 brown	0.07802286	0.092155057	0.120431426	0.009185867
DHRS7B brown	0.382045841	1.12E-17	0.39494704	6.97E-19
DIO1 brown	-0.109100076	0.018354013	-0.089767988	0.052547726
DIS3L2 brown	0.100721734	0.029531425	0.109371741	0.018063897
DLEC1 brown	0.055822668	0.228572515	0.056367338	0.224057
DMBT1 brown	0.097830371	0.034554698	0.089675766	0.052791874
DNAAF1 brown	0.142939399	0.001957647	0.151355549	0.001034484
DNAAF3 brown	0.113546179	0.014083662	0.119957216	0.009466646
DNAH10 brown	0.034605536	0.455636443	0.038103427	0.411353759
DNAH11 brown	0.123383079	0.007598875	0.132435642	0.004144792
DNAH12 brown	0.066240361	0.152946733	0.075317401	0.10404107
DNAH2 brown	-0.077376952	0.09488899	-0.072752517	0.116400477
DNAH3 brown	0.089085403	0.054377273	0.097138051	0.0358601
DNAH5 brown	0.039568675	0.393587857	0.048009738	0.300521435
DNAH6 brown	0.02765058	0.551144039	0.032016471	0.49006557
DNAH7 brown	-0.030440061	0.511692596	-0.023147377	0.617817902
DNAH9 brown	0.07543015	0.103522588	0.081967322	0.076800406
DNAI1 brown	0.075308544	0.104081889	0.091881155	0.047206069
DNAI2 brown	0.009445666	0.838681661	0.016262843	0.72594523
DNAJA4 brown	0.100839408	0.029340992	0.10546461	0.022645578
DNAJB13 brown	0.122787925	0.007897586	0.138928518	0.002622572
DNAJC1 brown	0.118155475	0.010604274	0.091823843	0.047344693
DNAL1 brown	0.075417942	0.103578632	0.068975648	0.136657374
DNAL4 brown	0.165663079	0.000324034	0.175222001	0.00014128
DNALI1 brown	-0.076310993	0.099542137	-0.057337897	0.216168987
DOC2A brown	-0.029578882	0.523713572	-0.024054055	0.604113315
DPCD brown	0.274040538	1.72E-09	0.288284761	2.17E-10
DPP10 brown	-0.084316011	0.068691406	-0.093254546	0.043984541
DRC1 brown	0.043029727	0.353501983	0.055411435	0.232024323
DRC7 brown	0.122343634	0.008127368	0.138259298	0.002751712
DRICH1 brown	0.045156241	0.330197482	0.028258842	0.542415866
DTHD1 brown	0.036056213	0.436954689	0.049748435	0.283335724
DUOX1 brown	0.093669628	0.043048086	0.10435377	0.02411947
DUOX2 brown	0.095477445	0.039163082	0.11075472	0.016648219
DUOXA1 brown	0.082470098	0.075002083	0.085625594	0.064483456
DUOXA2 brown	0.013956157	0.763565871	0.059970682	0.195779837
DUSP14 brown	0.25760628	1.63E-08	0.239419019	1.64E-07
DUSP18 brown	0.012963129	0.779940494	0.02426491	0.600945821
DUSP19 brown	-0.052746431	0.255288688	-0.055508471	0.231206512
DUSP5 brown	-0.065552108	0.157268508	-0.06306253	0.17367333
DYDC1 brown	0.048220174	0.29840536	0.07233604	0.118511652

DYDC2	brown	-0.032534974	0.483060788	-0.019257845	0.678076941
DYNC2H	brown	-0.137919275	0.002819521	-0.142095107	0.002083217
DYNC2L	brown	-0.023798767	0.607958271	-0.03246088	0.484058445
DYNLL1	brown	0.103435526	0.025399708	0.135387891	0.003374116
DYNLRB	brown	0.075769674	0.10197363	0.087351221	0.059264814
DYNLT1	brown	0.340627202	3.77E-14	0.379105977	2.07E-17
DYRK3	brown	0.043418821	0.349162173	0.013137742	0.777053914
DYX1C1	brown	0.137505089	0.002904174	0.142353133	0.002044081
DZANK1	brown	-0.068534703	0.139189096	-0.084855832	0.066930373
DZIP1L	brown	-0.058228634	0.209106887	-0.053055283	0.252512616
DZIP3	brown	0.078540326	0.090010593	0.062787965	0.175557823
ECEL1	brown	0.150078929	0.001142	0.168319711	0.000258415
ECHDC2	brown	-0.029280357	0.527914046	-0.044452668	0.337795721
ECI2	brown	0.062260355	0.179221721	0.072260275	0.118898912
ECT2L	brown	-0.04095198	0.377247883	-0.027295311	0.556273565
EEPD1	brown	0.196056297	1.98E-05	0.18331797	6.76E-05
EFCAB1	brown	0.00055013	0.990540059	0.003393566	0.941695301
EFCAB1C	brown	0.077410024	0.094747451	0.085093707	0.066166213
EFCAB11	brown	0.227550177	6.71E-07	0.228765271	5.83E-07
EFCAB12	brown	0.068223058	0.141000032	0.079209644	0.087296416
EFCAB2	brown	0.011729119	0.800424451	0.012103179	0.794200082
EFCAB6	brown	0.006037579	0.896467759	0.005539215	0.904971491
EFHB	brown	0.019097007	0.680616976	0.029718082	0.521760778
EFHC1	brown	0.00606836	0.895942912	0.014485194	0.7548846
EFHC2	brown	-0.107597438	0.020033264	-0.096382045	0.037333232
EGLN3	brown	0.197421954	1.73E-05	0.21994972	1.59E-06
EIF4EBP1	brown	-0.239738807	1.57E-07	-0.231100495	4.44E-07
ELL3	brown	0.244206628	9.08E-08	0.251058811	3.82E-08
ELMOD1	brown	-0.155960464	0.000719551	-0.137981855	0.002806928
ELP3	brown	0.354631889	2.76E-15	0.331675443	1.87E-13
ENKD1	brown	0.192569472	2.79E-05	0.213801953	3.13E-06
ENKUR	brown	0.098191994	0.03388908	0.106664655	0.021141619
ENO4	brown	0.091154001	0.048990351	0.098852456	0.032701588
ENPP5	brown	0.116261003	0.011929614	0.098397939	0.033514916
EPPIN	brown	0.077434786	0.094641584	0.08468642	0.067479002
EPX	brown	-0.114323155	0.013434711	-0.11616926	0.01199736
ERICH2	brown	0.158400599	0.000591229	0.160729986	0.000488852
ERICH3	brown	0.161558349	0.000456606	0.148863178	0.001253872
ERICH5	brown	-0.17059268	0.000212357	-0.149908343	0.001157122
ERMAR1	brown	0.09631407	0.037468167	0.105131984	0.023078507
ERP27	brown	-0.329588428	2.70E-13	-0.321099919	1.16E-12
ETV4	brown	0.135477547	0.003352894	0.118915947	0.010110102
ETV5	brown	0.049318914	0.287518197	0.033845438	0.465601079
EYA2	brown	0.238277255	1.88E-07	0.24979563	4.48E-08
F7	brown	-0.094146223	0.041993622	-0.082147543	0.076151807

FABP6	brown	-0.14579073	0.001583031	-0.143220503	0.001917401
FAIM	brown	-0.081471372	0.078608488	-0.082773244	0.073934457
FAM101A	brown	-0.107465772	0.020186582	-0.097713847	0.034771536
FAM102A	brown	0.020348785	0.660945676	0.034887153	0.451975133
FAM104E	brown	-0.021969944	0.635814215	-0.020366118	0.660674881
FAM110C	brown	0.070731913	0.126923872	0.086880451	0.060652617
FAM149A	brown	0.261361866	9.87E-09	0.260828609	1.06E-08
FAM150E	brown	0.086372839	0.062178991	0.07629952	0.099593192
FAM151E	brown	0.228195939	6.23E-07	0.220451987	1.51E-06
FAM154A	brown	-0.018262242	0.693857507	-0.0149487	0.747303909
FAM154E	brown	0.080141608	0.083627237	0.084608513	0.067732537
FAM160A	brown	0.140696181	0.00230758	0.12622746	0.006306181
FAM161E	brown	-0.052768378	0.255090728	-0.080848637	0.080927515
FAM163A	brown	-0.017070576	0.71292062	-0.014379477	0.756616941
FAM166E	brown	0.107975493	0.019598655	0.128934404	0.005262914
FAM170A	brown	0.084152348	0.069232753	0.121509886	0.008574723
FAM174A	brown	0.206951863	6.51E-06	0.228950707	5.70E-07
FAM179A	brown	0.019141259	0.679917771	0.030266685	0.514101114
FAM179E	brown	-0.320175574	1.36E-12	-0.338836836	5.21E-14
FAM181A	brown	-0.023925889	0.606042298	-0.006107269	0.895279538
FAM181E	brown	0.020922538	0.652005745	0.015631893	0.736174688
FAM182E	brown	-0.049898158	0.281887489	-0.052726018	0.255472906
FAM183A	brown	0.087029818	0.060209412	0.100717469	0.029538348
FAM188E	brown	-0.048580405	0.294806073	-0.027972606	0.546514603
FAM206A	brown	0.120736348	0.00900926	0.110205638	0.01719822
FAM216E	brown	0.119224589	0.009915444	0.127759911	0.005694819
FAM221A	brown	-0.024542299	0.596790252	-0.018301779	0.693228249
FAM222A	brown	0.028520484	0.538682713	0.011375892	0.806313794
FAM227A	brown	0.028755533	0.535339983	0.034060975	0.462763258
FAM229E	brown	-0.025204385	0.586924658	-0.01465855	0.752046556
FAM27C	brown	-0.026649545	0.565656433	-0.022909831	0.621430727
FAM47E	brown	0.090990086	0.049400263	0.10414769	0.024401833
FAM81A	brown	0.174035725	0.000156987	0.169047057	0.000242748
FAM81B	brown	0.069972975	0.131061914	0.084514301	0.068040172
FAM83C	brown	-0.002330808	0.959935703	0.002476213	0.957438633
FAM86B1	brown	0.121142322	0.008778819	0.114935149	0.012942251
FAM86B2	brown	0.033765806	0.466651963	0.01764154	0.703763716
FAM92B	brown	0.116218473	0.011960978	0.130034657	0.004885306
FANCF	brown	0.097788455	0.034632567	0.060927219	0.188731456
FANK1	brown	0.14613267	0.001542827	0.15592722	0.000721466
FBXL13	brown	-0.037029866	0.42466657	-0.029413041	0.526044962
FBXL2	brown	-0.187706025	4.47E-05	-0.180039347	9.14E-05
FBXO15	brown	0.004397883	0.924485747	0.000751872	0.98707121
FBXO16	brown	0.346010789	1.40E-14	0.339136092	4.94E-14
FBXO36	brown	0.158620016	0.000580798	0.155478263	0.000747781

FBXW10 brown	0.016298474	0.725368985	0.012593463	0.786061516
FBXW9 brown	0.114536264	0.013261384	0.125362254	0.00667678
FCGBP brown	0.083130663	0.072691635	0.097054186	0.036021041
FER1L6 brown	0.008722389	0.850883834	0.021788682	0.638604188
FFAR4 brown	-0.037821723	0.414822954	-0.01641957	0.723411708
FGF14 brown	0.043776078	0.345207295	0.032540645	0.482984477
FGFR1OFbrown	-0.047445517	0.306244124	-0.052962712	0.253342464
FGGY brown	0.11011096	0.017294646	0.093347576	0.043773181
FHAD1 brown	0.041528283	0.370565278	0.056373838	0.2240035
FHIT brown	0.099733552	0.031172843	0.086226886	0.062623686
FHOD3 brown	-0.166325468	0.000306355	-0.167690017	0.000272737
FKBP6 brown	-0.062559971	0.177134197	-0.032465568	0.483995292
FMN1 brown	0.06209891	0.180354088	0.038452989	0.407072834
FMO2 brown	-0.06787608	0.143037469	-0.066807477	0.149453793
FMO4 brown	-0.012361455	0.789909923	-0.004672105	0.919792575
FMO6P brown	0.047067026	0.310123106	0.055072184	0.234899562
FOSL1 brown	0.097787724	0.034633925	0.084190051	0.069107734
FOXA1 brown	0.181448744	8.03E-05	0.215866101	2.50E-06
FOXB1 brown	0.070380348	0.128827972	0.072431262	0.118026337
FOXB2 brown	-0.021025068	0.650413375	-0.015303854	0.741511724
FOXD4L2brown	0.112286796	0.015194185	0.108916211	0.018552665
FOXJ1 brown	0.130604032	0.004699647	0.146887726	0.001457347
FOXN4 brown	0.109390282	0.018044244	0.11562376	0.012407231
FRAT1 brown	0.062781065	0.175605379	0.056784455	0.220642188
FRMPD2 brown	0.153627473	0.000865924	0.155794017	0.000729182
FSD1L brown	0.117532063	0.011025232	0.106080613	0.021862378
FSIP1 brown	-0.114748473	0.01309075	-0.119943795	0.009474702
FST brown	-0.078760988	0.089108396	-0.07604469	0.100732491
FUCA1 brown	0.244499539	8.75E-08	0.255815725	2.06E-08
FUZ brown	-0.261497515	9.70E-09	-0.256301598	1.93E-08
GABRP brown	0.022603608	0.626101532	0.029265549	0.528122852
GALC brown	-0.191050984	3.24E-05	-0.204666884	8.26E-06
GALNS brown	0.149593653	0.001185503	0.158376836	0.000592369
GALR2 brown	0.028009963	0.545978807	0.046129135	0.319873888
GAS2L2 brown	0.140774931	0.002294386	0.153529757	0.000872617
GAS8 brown	0.275854559	1.33E-09	0.283543239	4.39E-10
GATS brown	-0.213766004	3.14E-06	-0.226173444	7.86E-07
GEMIN8 brown	0.248906932	5.02E-08	0.255144532	2.25E-08
GFOD2 brown	0.251038418	3.83E-08	0.269036444	3.47E-09
GIPR brown	0.016699515	0.718893858	0.039182623	0.398223154
GJB7 brown	-0.101833884	0.027773256	-0.095658748	0.038790374
GK brown	0.018876843	0.684099775	0.028960838	0.532428802
GLB1L brown	0.030682867	0.508329463	0.017472343	0.706472834
GLB1L2 brown	0.097007491	0.036110918	0.084390961	0.068444654
GLRA2 brown	-0.089739281	0.052623623	-0.103252529	0.025661735

GLRB	brown	0.139466911	0.002522714	0.134443149	0.003605275
GLT8D1	brown	0.11656007	0.01171112	0.110698272	0.016704043
GLYATL	brown	0.215321706	2.65E-06	0.196881002	1.83E-05
GLYCTK	brown	0.176410643	0.000127031	0.179237123	9.84E-05
GMNC	brown	0.039973617	0.388760916	0.04824922	0.298114063
GMPR	brown	0.116910021	0.011459948	0.116653182	0.011643819
GNL1	brown	-0.234964248	2.81E-07	-0.235905904	2.51E-07
GNMT	brown	-0.001925563	0.966897058	0.030211692	0.514866288
GOLGA8	brown	-0.036919036	0.426055075	-0.035680384	0.441751934
GOLGA8	brown	-0.051222246	0.269297897	-0.056528787	0.222730826
GOLGA8	brown	-0.035217139	0.447706151	-0.045767482	0.323686632
GOLGA8	brown	-0.004619247	0.920696996	-0.002240371	0.961489004
GOLGA8	brown	-0.095522108	0.039070986	-0.115368006	0.012603617
GOLM1	brown	0.305983137	1.41E-11	0.297966008	4.97E-11
GORASP	brown	0.269682866	3.17E-09	0.271328343	2.52E-09
GP2	brown	0.070400139	0.128720194	0.076755465	0.097580327
GP6	brown	-0.08361763	0.071025832	-0.079280347	0.087013591
GPC1	brown	0.038449008	0.407121437	0.022678335	0.624960337
GPR123	brown	-0.151666101	0.001009781	-0.155397398	0.000752615
GPR135	brown	-0.172339292	0.000182315	-0.168213032	0.000260791
GPR162	brown	-0.1382316	0.00275718	-0.13784832	0.002833862
GPR3	brown	0.016363874	0.724311696	-0.012757439	0.783344709
GPR97	brown	-0.011269469	0.808090358	0.011821064	0.798893301
GRAMD1	brown	-0.058379794	0.207925161	-0.088625565	0.055639408
GRAMD2	brown	-0.05628856	0.224706141	-0.039626269	0.392899137
GRIA2	brown	-0.009454032	0.838540749	0.001738476	0.970111755
GRIK4	brown	-0.034875694	0.452123785	-0.058217418	0.209194764
GRIN3B	brown	0.026089606	0.573853105	0.035915847	0.43874287
GRIP2	brown	-0.111159999	0.016252197	-0.097860774	0.034498312
GSAP	brown	0.119194783	0.009934096	0.11208802	0.015376314
GSTA1	brown	-0.079394047	0.086560317	-0.068824273	0.137522479
GSTA3	brown	0.002411404	0.958551567	0.008588493	0.853146751
GTF2IRD	brown	-0.104314863	0.024172562	-0.113242228	0.014344938
GUCY2F	brown	-0.016129622	0.728101123	-0.00714772	0.877569084
H1FOO	brown	0.035242943	0.447373289	0.045452638	0.32702982
HABP2	brown	-0.013124271	0.777276498	-0.008916777	0.847600746
HCN4	brown	-0.150435794	0.001110952	-0.168678473	0.000250573
HEATR9	brown	-0.096211583	0.037672392	-0.086531506	0.061698517
HES5	brown	0.231242885	4.36E-07	0.217777857	2.03E-06
HEY2	brown	-0.07703788	0.09634989	-0.084479994	0.068152482
HHAT	brown	0.136163881	0.003194402	0.091027166	0.049307284
HHATL	brown	-0.093849083	0.042648453	-0.088140486	0.056997094
HHLA2	brown	-0.10274702	0.026397699	-0.095428106	0.039265033
HIVEP3	brown	0.073851059	0.110973023	0.049466452	0.28607688
HMGXB3	brown	0.23250831	3.76E-07	0.197861127	1.65E-05



HNFI1A	brown	0.215263604	2.67E-06	0.227246857	6.95E-07
HOMER2	brown	0.181240628	8.19E-05	0.196638545	1.87E-05
HOXB1	brown	-0.041109148	0.375418111	0.001983981	0.965893375
HOXB2	brown	-0.16007566	0.000515807	-0.120969793	0.008876102
HOXB3	brown	-0.108188724	0.019357165	-0.092317739	0.046161194
HOXB4	brown	-0.15055623	0.001100651	-0.133300459	0.003904001
HOXB5	brown	-0.026943678	0.561373345	0.007280273	0.875316984
HOXB6	brown	-0.03149847	0.4971176	0.007037824	0.879437012
HRASLS2	brown	-0.134696078	0.003542021	-0.090388465	0.050929437
HS3ST6	brown	-0.165380246	0.000331868	-0.15499495	0.000777102
HSBP1	brown	0.318982943	1.66E-12	0.358425316	1.33E-15
HSD17B3	brown	-0.025141401	0.587859915	-0.018476519	0.690449676
HSPA1L	brown	-0.119117858	0.009982378	-0.113517095	0.01410848
HYDIN	brown	-0.069933251	0.131281345	-0.060174404	0.194262792
ICA1L	brown	-0.095697815	0.038710458	-0.090115533	0.051636082
IDNK	brown	0.330747313	2.20E-13	0.341171393	3.41E-14
IFT122	brown	-0.003723871	0.936031938	-0.001507721	0.97407745
IFT140	brown	0.098496422	0.033337238	0.099942826	0.03081886
IFT172	brown	-0.026813993	0.563259864	-0.02890613	0.533203763
IFT22	brown	0.048754361	0.293078404	0.060803613	0.18963162
IFT27	brown	0.065029646	0.160610344	0.06088999	0.189002248
IFT43	brown	0.08885815	0.054998015	0.111652847	0.015781744
IFT46	brown	0.037272473	0.421636347	0.023541501	0.611843961
IFT57	brown	-0.184831345	5.86E-05	-0.19434148	2.35E-05
IFT74	brown	-0.048894161	0.29169488	-0.058050618	0.210504775
IFT88	brown	0.078767896	0.089080269	0.069487445	0.133763431
IGSF5	brown	0.135198977	0.003419234	0.12222309	0.008190731
IK	brown	0.004247769	0.927055995	-0.001329492	0.977140881
IL12A	brown	-0.139733312	0.002474596	-0.144862006	0.00169713
IL18R1	brown	0.154015578	0.000839806	0.147326764	0.001409667
IL1R2	brown	0.155017097	0.000775736	0.172444719	0.000180635
IL2	brown	0.068829023	0.137495273	0.071544263	0.12260768
IL4	brown	0.036552224	0.430669384	0.061508016	0.184543797
IL5RA	brown	0.057310865	0.21638595	0.070149393	0.130090825
IL7	brown	-0.033214736	0.473960176	-0.018438534	0.691053329
INPP5E	brown	0.080525181	0.08215372	0.070371362	0.128876927
INSL5	brown	-0.015146134	0.744082196	0.021126002	0.648847327
INTU	brown	0.056863796	0.219996888	0.041641612	0.369259828
IPCEF1	brown	-0.0216958	0.640035789	-0.001870059	0.96785073
IQCC	brown	-0.01279152	0.782780373	-0.030300916	0.513625116
IQCD	brown	0.083257609	0.072254339	0.0989984	0.032444032
IQCE	brown	0.117913155	0.010766177	0.126638597	0.006136632
IQCG	brown	0.045886112	0.322432728	0.056983917	0.219022468
IQCH	brown	0.101660097	0.028041914	0.087204604	0.059694187
IQCK	brown	0.040642607	0.380865612	0.021271913	0.646586185

IQGAP2	brown	0.163392656	0.000392113	0.166007124	0.000314736
IQUB	brown	0.122098506	0.008256681	0.132947691	0.00400065
IRX3	brown	0.030470089	0.511276049	0.058707803	0.205377497
ITIH2	brown	0.002271188	0.960959692	0.008263181	0.858649672
ITIH4	brown	-0.042192403	0.36295587	-0.047015925	0.310649286
KATNAL	brown	-0.066746407	0.149826994	-0.079902748	0.084555564
KATNB1	brown	0.247587523	5.94E-08	0.266534204	4.90E-09
KCNC3	brown	-0.116181344	0.011988417	-0.115011457	0.012881977
KCNE1	brown	0.078366092	0.09072813	0.093019754	0.044521799
KCNH3	brown	0.15108614	0.001056364	0.149375486	0.001205554
KCNH6	brown	-0.017893796	0.699731626	-0.017572268	0.704872423
KCNMB2	brown	-0.192231144	2.89E-05	-0.198835837	1.50E-05
KCNN3	brown	-0.120318901	0.009251814	-0.118291393	0.010514411
KCNRG	brown	0.170702022	0.000210348	0.182411257	7.35E-05
KHK	brown	-0.16081839	0.000485313	-0.174165421	0.000155194
KIAA022	brown	0.037895035	0.413918449	0.029298014	0.527665123
KIAA031	brown	-0.070822515	0.126436721	-0.051498635	0.26671925
KIAA055	brown	0.05763763	0.213773727	0.065530821	0.157403634
KIAA082	brown	0.008073515	0.861861221	0.004750074	0.918458665
KIAA121	brown	-0.051849493	0.26347029	-0.028297733	0.541860149
KIAA125	brown	0.08300646	0.073121569	0.090720292	0.050081199
KIAA137	brown	-0.062378194	0.178398529	-0.067249258	0.146775113
KIAA140	brown	0.03200984	0.490155514	0.001161369	0.980030914
KIAA145	brown	-0.015913893	0.731596803	-0.040392621	0.383804349
KIAA184	brown	0.125429458	0.00664731	0.127455647	0.005811785
KIAA187	brown	-0.027337473	0.555663608	-0.027117332	0.558852006
KIAA201	brown	-0.096816202	0.036481093	-0.092663882	0.045346633
KIF17	brown	-0.160033612	0.000517585	-0.150659033	0.001091928
KIF19	brown	0.025610702	0.580907746	0.04246246	0.359889673
KIF24	brown	0.11913957	0.00996873	0.128022515	0.005595575
KIF27	brown	0.142821048	0.001974821	0.125228777	0.006735659
KIF6	brown	0.003178193	0.945389664	-0.009127682	0.844041682
KIF9	brown	0.185044663	5.75E-05	0.212654172	3.55E-06
KLB	brown	-0.010996786	0.812646827	0.013607441	0.769304474
KLHDC9	brown	0.219507605	1.67E-06	0.249736402	4.52E-08
KLHL3	brown	0.042733402	0.35682978	0.011931862	0.797049203
KLHL32	brown	-0.166936961	0.000290838	-0.155891879	0.000723506
KLHL41	brown	-0.017320585	0.708905894	-0.006870695	0.88227899
KLHL6	brown	0.003185562	0.945263233	0.035864414	0.439399146
KLK11	brown	0.104584165	0.023807138	0.105562803	0.022519128
KLLN	brown	0.194323867	2.35E-05	0.186253733	5.13E-05
KNCN	brown	0.060150496	0.194440382	0.068567744	0.138998148
KNDC1	brown	-0.138660926	0.002673532	-0.137132831	0.002982223
KPNA7	brown	0.036097716	0.436426755	0.059776026	0.197237437
LAMB4	brown	0.128309201	0.005489007	0.134964946	0.003475886

LBHD1	brown	0.088480782	0.056041799	0.077680026	0.093598209
LCA5	brown	-0.099765238	0.031119024	-0.111536431	0.01589178
LCA5L	brown	0.094237322	0.041794567	0.087299521	0.059415926
LDLRAD	brown	0.082367435	0.075366475	0.103717212	0.025000882
LEKR1	brown	-0.178107186	0.000109016	-0.166663452	0.000297686
LPT2	brown	-0.08633698	0.062288007	-0.071014346	0.125410071
LKAAEA	brown	-0.056074788	0.226474381	-0.042855479	0.355456445
LMLN	brown	0.096281127	0.037533709	0.091771093	0.047472587
LMNTD1	brown	0.032071478	0.489319882	0.033988392	0.463717837
LMX1A	brown	0.093802605	0.042751655	0.096747408	0.036615007
LPA	brown	-0.072363857	0.118369715	-0.056252208	0.225006133
LPAR3	brown	-0.164759821	0.000349677	-0.156517996	0.000688143
LPPR3	brown	0.089412719	0.053493456	0.103635599	0.025115875
LRGUK	brown	0.10755127	0.020086908	0.121516163	0.008571275
LRIG1	brown	0.088818458	0.055107034	0.096235515	0.037624618
LRP11	brown	0.173439822	0.000165482	0.167296225	0.000282067
LRP2BP	brown	0.096179628	0.037736261	0.09546162	0.039195756
LRRC10E	brown	0.051852969	0.263438237	0.056874973	0.219906084
LRRC17	brown	0.088821562	0.055098503	0.075491074	0.103243279
LRRC18	brown	0.091093594	0.049141082	0.108114072	0.019441414
LRRC23	brown	0.076400629	0.099143998	0.095969569	0.038158401
LRRC27	brown	0.078316675	0.090932476	0.073066773	0.114827058
LRRC34	brown	-0.232094303	3.95E-07	-0.22494378	9.06E-07
LRRC36	brown	0.152894725	0.000917293	0.147129616	0.001430897
LRRC3B	brown	0.034385368	0.458510404	0.059889161	0.196389311
LRRC43	brown	0.105200198	0.022989144	0.121224589	0.008732767
LRRC46	brown	0.162223552	0.000432156	0.173920243	0.000158601
LRRC48	brown	0.119982661	0.009451388	0.127543114	0.005777941
LRRC49	brown	0.014254841	0.75866087	-0.013181179	0.776336308
LRRC56	brown	0.206953284	6.51E-06	0.210132209	4.65E-06
LRRC6	brown	0.080670366	0.081601485	0.087717822	0.058202378
LRRC63	brown	-0.035149901	0.448574146	-0.029241865	0.528456899
LRRC71	brown	0.125894904	0.006446386	0.134617991	0.003561441
LRRC73	brown	0.059461065	0.199612642	0.083547085	0.0712652
LRRC74E	brown	0.084995986	0.066479263	0.088212585	0.056793573
LRRIQ1	brown	-0.077279569	0.095306744	-0.074210607	0.109240559
LRRIQ3	brown	-0.021985903	0.635568812	-0.020404912	0.660068973
LRTOMT	brown	0.203940679	8.91E-06	0.209021468	5.23E-06
LRWD1	brown	0.16816939	0.000261769	0.179517909	9.59E-05
LTF	brown	0.104737991	0.02360056	0.130534317	0.004722032
LY6G5C	brown	0.271504987	2.46E-09	0.300215972	3.50E-11
LY75	brown	-0.005778694	0.900883767	0.031640331	0.495180967
LZTFL1	brown	-0.005970975	0.897603572	-0.027754507	0.549647881
MAATS1	brown	-0.212425323	3.64E-06	-0.222619563	1.18E-06
MAGI1	brown	0.242926655	1.06E-07	0.218979777	1.77E-06

MAK	brown	-0.000507351	0.991275654	0.017596567	0.704483435
MAP1A	brown	-0.023967455	0.605416394	-0.017263979	0.709814195
MAP3K1	brown	0.091939608	0.047065034	0.100920697	0.029210056
MAP6	brown	-0.116083688	0.012060854	-0.107994775	0.01957671
MAPK12	brown	0.088199378	0.05683081	0.088418153	0.056216608
MAPK15	brown	-0.000782419	0.986545988	-0.010452194	0.821765619
MAPK8	brown	-0.035469862	0.444452211	-0.061762814	0.18272844
MAPRE3	brown	0.040747334	0.379638587	0.043547414	0.347735344
10-Mar	brown	-0.089367961	0.053613601	-0.084429084	0.068319423
4-Mar	brown	-0.04553826	0.326118436	-0.056780342	0.22067568
MARK4	brown	-0.158464991	0.00058815	-0.170825806	0.000208095
MAST2	brown	-0.005960489	0.897782417	-0.032533217	0.483084434
MB	brown	0.178612898	0.000104129	0.184500733	6.05E-05
MBD3L1	brown	-0.08369729	0.070756325	-0.063007307	0.174051144
MBOAT4	brown	0.055878677	0.228105225	0.035374485	0.445678651
MCIDAS	brown	0.166178569	0.000310196	0.179212179	9.86E-05
MDH1B	brown	-0.004947018	0.915090367	-0.018465162	0.690630145
MDM1	brown	0.018769831	0.685795033	0.012829484	0.782151876
MDM2	brown	0.35791118	1.47E-15	0.36968689	1.43E-16
MED25	brown	-0.011950318	0.796742139	-0.014226241	0.759130131
MEIG1	brown	-0.026730974	0.564469123	-0.019508568	0.674124681
MEIS1	brown	-0.23978006	1.57E-07	-0.214152876	3.02E-06
METTL2	brown	0.053902243	0.245007694	0.047977074	0.300850777
MFAP3L	brown	0.216206675	2.41E-06	0.221713983	1.31E-06
MGC5072	brown	0.030974364	0.504307211	0.034551058	0.456346629
MGST2	brown	0.2564813	1.89E-08	0.268538983	3.72E-09
MID1IP1	brown	0.105613766	0.022453741	0.104945924	0.023323783
MIPEP	brown	0.230485229	4.77E-07	0.221517622	1.34E-06
MKS1	brown	0.025510466	0.582389398	0.022455971	0.628358793
MKX	brown	-0.02882328	0.534378461	-0.04354874	0.347720642
MMP1	brown	0.072389387	0.11823957	0.071021603	0.125371362
MNS1	brown	-0.031878571	0.491937679	-0.033044835	0.476225956
MOBP	brown	-0.189076408	3.92E-05	-0.169269751	0.000238132
MOK	brown	0.024493424	0.597521498	0.035567919	0.443193305
MORN1	brown	-0.089942975	0.052087055	-0.081105398	0.079964733
MORN2	brown	0.092163494	0.046528108	0.109504932	0.017923128
MORN3	brown	0.110234279	0.017169144	0.117511614	0.011039287
MORN4	brown	0.149810534	0.001165876	0.127501707	0.005793941
MORN5	brown	0.040015019	0.388269423	0.050949373	0.271860417
MPPED2	brown	0.143909142	0.001821988	0.144023165	0.001806616
MRAP2	brown	0.256274275	1.94E-08	0.266273491	5.08E-09
MROH9	brown	0.060597875	0.191136906	0.067923555	0.142757375
MS4A8	brown	-0.002028733	0.96512454	0.010753946	0.816709954
MSH5-SA	brown	-0.122116688	0.008247027	-0.125789794	0.006491278
MSMB	brown	0.137199238	0.002968161	0.140108649	0.002408223

MSX1	brown	0.333979615	1.25E-13	0.341292801	3.34E-14
MTHFSD	brown	0.190051946	3.57E-05	0.190127328	3.54E-05
MTMR8	brown	0.00634061	0.891302788	0.008289914	0.858197199
MUC13	brown	0.182221023	7.48E-05	0.196906356	1.82E-05
MUC4	brown	-0.174669012	0.000148409	-0.141614443	0.002157953
MYB	brown	0.221444039	1.35E-06	0.213513773	3.23E-06
MYCBP	brown	0.210499261	4.47E-06	0.230130332	4.97E-07
MYCBPA	brown	0.10141733	0.028420945	0.102293166	0.027073876
MYLK3	brown	0.029533872	0.5243458	0.029387156	0.526409336
N4BP3	brown	-0.220470591	1.50E-06	-0.225381809	8.61E-07
N6AMT2	brown	0.093862084	0.042619624	0.086991665	0.060322364
NCBP2L	brown	-0.071336918	0.12369833	-0.059165136	0.201863227
NCKAP5	brown	-0.100248791	0.030307523	-0.09247819	0.045782099
NDRG1	brown	-0.073262373	0.113856179	-0.068494015	0.139424509
NEIL1	brown	0.264793699	6.21E-09	0.260300487	1.14E-08
NEK10	brown	0.101145404	0.028850716	0.107075841	0.02064664
NEK11	brown	0.021479001	0.643382567	0.017809574	0.701076911
NEK5	brown	0.077247599	0.09544421	0.09100056	0.049373984
NGB	brown	-0.21547911	2.61E-06	-0.21603486	2.46E-06
NHLRC4	brown	0.099859259	0.030959798	0.107024948	0.020707353
NICN1	brown	0.083382569	0.071825984	0.091182979	0.04891818
NMBR	brown	-0.080589605	0.081908301	-0.070195516	0.129837867
NME5	brown	0.156820748	0.000671624	0.166422655	0.000303838
NME7	brown	0.002993886	0.948552061	-0.013351851	0.773518589
NME9	brown	0.033089015	0.475636206	0.042092805	0.364090793
NOX5	brown	0.018234465	0.694299718	0.029614612	0.523211971
NOXRED	brown	-0.041609157	0.369633384	-0.032071903	0.489314116
NPAS3	brown	0.089850253	0.052330734	0.092136723	0.04659204
NPHP1	brown	0.01258756	0.786159362	0.012238121	0.791957808
NPHP4	brown	0.06200866	0.180989406	0.044191328	0.340646349
NQO1	brown	0.349509922	7.29E-15	0.384311856	6.94E-18
NR2E3	brown	-0.084274934	0.068826948	-0.067825553	0.14333603
NRF1	brown	-0.088430671	0.056181633	-0.088600567	0.055708713
NRG4	brown	-0.18707615	4.74E-05	-0.173119307	0.000170228
NRM	brown	-0.041160876	0.374817089	-0.036182688	0.435347049
NRTN	brown	0.210485795	4.48E-06	0.220474827	1.50E-06
NSUN7	brown	-0.050632952	0.274852672	-0.060617191	0.190995212
NTN1	brown	0.093578158	0.043252992	0.080813612	0.081059575
NUCB2	brown	0.199507303	1.40E-05	0.192071046	2.93E-05
NUP62CI	brown	0.135497941	0.003348083	0.140474585	0.002345079
NWD1	brown	0.185892433	5.31E-05	0.195898077	2.01E-05
NXF3	brown	0.050832992	0.272958388	0.073253875	0.113898222
NXNL2	brown	0.051226268	0.269260248	0.072368602	0.118345517
ODF2	brown	0.286005545	3.05E-10	0.278691055	8.88E-10
ODF2L	brown	0.092554368	0.045603029	0.070850077	0.126288815

ODF3B	brown	0.076155048	0.100237833	0.115298646	0.012657347
ODF3L1	brown	-0.07522153	0.104483556	-0.064127995	0.166502987
OLFM4	brown	0.116098898	0.012049546	0.12385698	0.007368284
OMG	brown	0.158805768	0.000572101	0.175815289	0.00013399
OR2C1	brown	-0.028591315	0.537674296	-0.003690145	0.936610059
OR6B3	brown	0.107138755	0.0205718	0.105899023	0.022090775
OSCP1	brown	0.132029656	0.004262397	0.147798175	0.00136007
OTUB2	brown	0.138400492	0.002723994	0.108651767	0.018841666
OVGP1	brown	0.034879917	0.452068996	0.040942369	0.377359951
OXTR	brown	-0.231579645	4.19E-07	-0.246240059	7.04E-08
P2RX2	brown	-0.172663551	0.000177195	-0.168000652	0.000265582
P4HTM	brown	0.205808235	7.34E-06	0.209799039	4.82E-06
PACRG	brown	-0.024306024	0.600329063	-0.033764651	0.466667218
PAK7	brown	0.063282439	0.172174866	0.035424179	0.445039404
PALMD	brown	0.126171148	0.006329728	0.128958865	0.005254241
PAM	brown	0.105123096	0.023090172	0.090234981	0.051325821
PAPSS1	brown	0.198121569	1.61E-05	0.174899184	0.000145402
PBLD	brown	0.204475654	8.43E-06	0.199055531	1.47E-05
PCDHB1	brown	-0.252757469	3.07E-08	-0.250772409	3.96E-08
PCSK4	brown	0.183206142	6.83E-05	0.190730463	3.34E-05
PCYOX1	brown	0.072849216	0.115914534	0.055967496	0.227365587
PCYT1B	brown	0.066929924	0.148707654	0.075430742	0.103519871
PDLIM1	brown	0.24861739	5.21E-08	0.269164883	3.41E-09
PEX11A	brown	0.154728812	0.000793699	0.131250675	0.004496533
PEX6	brown	-0.039015009	0.400245845	-0.028859505	0.533864684
PF4V1	brown	0.101931214	0.027623761	0.123002611	0.007788646
PFN4	brown	-0.047977816	0.300843297	-0.066264445	0.15279715
PHF19	brown	-0.132981921	0.003991178	-0.133964513	0.003727784
PHF7	brown	0.291225066	1.40E-10	0.308877798	8.82E-12
PHTF1	brown	0.031494387	0.497173395	0.028602186	0.537519615
PHYHIP1	brown	0.122694357	0.00794549	0.127776152	0.005688635
PIFO	brown	0.076082399	0.10056325	0.09412715	0.042035399
PIH1D2	brown	0.080030742	0.084057088	0.08764949	0.058399203
PIH1D3	brown	0.06587511	0.155228916	0.077639955	0.093768061
PIK3R1	brown	0.167990436	0.000265814	0.1674934	0.000277359
PIP4K2A	brown	0.196550114	1.89E-05	0.175946032	0.000132432
PITPNM1	brown	0.061289437	0.186111674	0.083978669	0.069811046
PKHD1L1	brown	0.02072875	0.655019771	0.018091394	0.696579076
PKP4	brown	0.152886205	0.000917906	0.119953553	0.009468844
PLA2G10	brown	0.224682586	9.33E-07	0.265044228	6.00E-09
PLAC8	brown	0.003630782	0.937627721	0.043500548	0.34825493
PLCB3	brown	0.129158573	0.005183912	0.119649625	0.009652825
PLCH1	brown	0.191173489	3.20E-05	0.191189005	3.20E-05
PLEKHB1	brown	0.102862515	0.026227968	0.100413224	0.030035731
PLEKHG1	brown	0.17713424	0.00011903	0.175130635	0.000142436

PLEKHH brown	0.213825661	3.12E-06	0.172568965	0.000178675
PLEKHS1brown	0.314375519	3.59E-12	0.33432434	1.17E-13
PLG brown	0.028061128	0.545245383	0.028011716	0.545953669
PLIN2 brown	-0.216471033	2.34E-06	-0.221753478	1.30E-06
PLXNB1 brown	-0.009401754	0.839421423	-0.030766782	0.507169827
PNLDC1 brown	-0.023201569	0.616994976	-0.002523805	0.956621409
PODXL brown	0.012382108	0.789567142	0.02217406	0.632678639
POFUT2 brown	-0.072030231	0.120080801	-0.087595927	0.058553873
PPAPDC1brown	0.330444568	2.32E-13	0.336725404	7.62E-14
PPIL6 brown	0.048463309	0.295972856	0.064630565	0.163198822
PPM1E brown	-0.048445956	0.296146028	-0.042998622	0.353850381
PPOX brown	0.09915702	0.032166072	0.099107992	0.032251769
PPP1R131brown	-0.018457839	0.690746513	-0.008274707	0.858454591
PPP1R14(brown	-0.077372558	0.094907806	-0.085199299	0.065829306
PPP1R32 brown	0.108750513	0.018733294	0.120397801	0.00920553
PPP1R36 brown	0.081255413	0.079406525	0.093481031	0.043471471
PPP1R42 brown	0.02193706	0.636319982	0.029086955	0.530644464
PRM2 brown	0.03613744	0.435921807	0.037793892	0.415166626
PRMT8 brown	-0.078889086	0.088587995	-0.088456997	0.056108135
PROC brown	-0.000216587	0.996275542	0.025092575	0.588585415
PRR18 brown	-0.083163961	0.072576724	-0.069904108	0.131442505
PRR29 brown	0.015361054	0.740580215	0.029991722	0.517932884
PRR32 brown	0.043245614	0.351089877	0.031671502	0.494755977
PRRX2 brown	-0.153673289	0.000862802	-0.143835971	0.001831915
PRSS12 brown	-0.194632128	2.28E-05	-0.165645576	0.000324513
PSENEN brown	-0.000176552	0.996963976	0.010310631	0.824139977
PTGR2 brown	-0.009042683	0.845475683	-0.0033471	0.942492238
PTPLAD2brown	-0.068064115	0.14193056	-0.030366581	0.512712651
PTPRQ brown	-0.070786439	0.126630521	-0.077315111	0.095154105
PTPRT brown	-0.256118276	1.98E-08	-0.258854381	1.38E-08
PYY brown	0.149991317	0.001149744	0.141485843	0.00217836
PZP brown	0.098847927	0.032709609	0.092516168	0.045692752
QRICH2 brown	0.169703812	0.000229369	0.140921811	0.002269962
RAB36 brown	0.073185016	0.114239374	0.074484619	0.107934614
RAB44 brown	-0.066451345	0.151640096	-0.060833896	0.189410794
RABL2A brown	-0.101950835	0.027593709	-0.105564508	0.022516938
RABL2B brown	0.147025936	0.00144218	0.140276039	0.002379149
RAET1E brown	0.067451826	0.145559172	0.091256319	0.048735924
RALGPS1brown	0.107097272	0.02062112	0.090835808	0.049788693
RASGEF1brown	-0.203031314	9.78E-06	-0.218927322	1.78E-06
RBKS brown	0.063991188	0.167411058	0.069340508	0.134589402
RCAN3 brown	0.166766755	0.000295082	0.163401482	0.000391824
RDH12 brown	0.026211798	0.572059629	0.032903353	0.478117253
REM2 brown	0.092049484	0.046800883	0.076733477	0.097676647
RFX2 brown	0.034746668	0.453799506	0.041103808	0.375480195

RFX3	brown	0.115393888	0.012583619	0.108666263	0.018825723
RGS12	brown	0.105244362	0.022931447	0.08132563	0.079146334
RGS22	brown	-0.180462219	8.80E-05	-0.181360192	8.10E-05
RGS6	brown	-0.040492816	0.382624839	-0.049290318	0.287798118
RGS7BP	brown	-0.061617262	0.18376383	-0.081948019	0.076870145
RHEBL1	brown	-0.10340047	0.025449724	-0.097094438	0.03594372
RIBC1	brown	0.176893156	0.000121641	0.188807904	4.02E-05
RIBC2	brown	0.119185506	0.009939908	0.125470509	0.006629367
RIIAD1	brown	0.092623871	0.045440166	0.101368866	0.028497135
RILPL2	brown	0.141985773	0.002100006	0.163471121	0.000389553
RNF122	brown	0.059006097	0.203080337	0.059465166	0.199581582
RNF135	brown	0.131795576	0.004331568	0.151493682	0.001023428
RNF32	brown	-0.194911418	2.22E-05	-0.184674329	5.95E-05
ROBO2	brown	0.139509036	0.002515049	0.157188974	0.000652029
ROPN1B	brown	0.049762163	0.283202722	0.057689706	0.213359532
ROPN1L	brown	0.127566574	0.005768894	0.142509126	0.002020748
RP1	brown	-0.058741585	0.205116401	-0.057493356	0.21492427
RP11-190	brown	0.093403664	0.043646166	0.087195485	0.059720978
RP11-307	brown	-0.08349452	0.071443987	-0.076051918	0.100700035
RP11-444	brown	-0.135912707	0.003251597	-0.139518453	0.002513338
RP11-505	brown	0.006329118	0.891498587	0.041918384	0.366083658
RP11-569	brown	0.184555511	6.02E-05	0.190711451	3.35E-05
RP11-697	brown	0.023745778	0.60875771	0.014628117	0.752544529
RP11-723	brown	-0.012176935	0.792974288	-0.008685623	0.851505069
RP11-766	brown	0.138919427	0.002624289	0.117213601	0.011245931
RP11-77K	brown	-0.041704879	0.368532285	-0.025996074	0.575227723
RP5-877J	brown	-0.105492717	0.02260932	-0.131443146	0.004437627
RP5-966M	brown	-0.010386758	0.822862949	-0.020634792	0.656483128
RPGR	brown	-0.054416294	0.240529511	-0.055464735	0.231574866
RPGRIP1	brown	0.126423246	0.006224924	0.121393992	0.008638614
RRAD	brown	-0.063506687	0.170656789	-0.029166742	0.52951717
RSPH1	brown	0.141137965	0.002234449	0.1589423	0.000565786
RSPH10B	brown	-0.000873003	0.984988535	0.011162695	0.809873759
RSPH10B	brown	-0.005391814	0.907488749	0.00297206	0.948926617
RSPH14	brown	0.048924864	0.291391607	0.056706702	0.221275899
RSPH3	brown	0.09709298	0.035946518	0.100932068	0.029191781
RSPH4A	brown	0.102939706	0.026115054	0.115076473	0.012830818
RSPH9	brown	-0.079496432	0.086153778	-0.073903082	0.110721022
RTN1	brown	-0.021636923	0.64094397	-0.021898777	0.63690899
RUFY1	brown	0.125051667	0.006814503	0.095393901	0.039335844
RUNDC1	brown	0.263956529	6.96E-09	0.276473404	1.22E-09
SAMD15	brown	0.048903215	0.291605425	0.046865809	0.312198399
SAT1	brown	0.375219075	4.64E-17	0.384261248	7.01E-18
SCAMP4	brown	0.398375416	3.26E-19	0.416540095	5.04E-21
SCGB1A1	brown	0.105691629	0.022354158	0.129886355	0.004934737



SCGB1D1brown	0.169898943	0.000225528	0.180523321	8.75E-05
SCGB1D4brown	0.069236969	0.135173778	0.080343328	0.082849682
SCGB2A1brown	0.293411417	1.00E-10	0.294626402	8.33E-11
SCGB3A1brown	0.217381402	2.12E-06	0.234773866	2.87E-07
SCN1A brown	-0.067413105	0.145791002	-0.073262939	0.113853378
SCNN1B brown	0.169302536	0.000237459	0.195155433	2.17E-05
SCNN1G brown	0.067351374	0.14616118	0.074603408	0.107372303
SDC3 brown	-0.293796323	9.45E-11	-0.298678226	4.45E-11
SDR42E2 brown	0.091247295	0.048758317	0.101633684	0.028082941
SEC14L3 brown	0.042100819	0.363999398	0.047884372	0.301786794
SEC14L5 brown	0.042680399	0.357427082	0.04946566	0.286084609
SEMA3D brown	0.039237786	0.39755881	0.053419778	0.249263478
SEMA3E brown	-0.028359659	0.54097587	0.003385945	0.941826
SERPINA brown	0.07024588	0.129562078	0.068960681	0.136742723
SERPINA brown	0.204332606	8.55E-06	0.207641545	6.05E-06
SERPINA brown	0.092306762	0.046187225	0.103230674	0.025693184
SERPINE brown	0.004821591	0.917235346	0.019070615	0.681034109
SERPINH brown	-0.142011727	0.002096009	-0.122349956	0.008124056
SERPINI2 brown	-0.11397876	0.013719036	-0.103155869	0.025801078
SFI1 brown	0.149623499	0.001182784	0.140971721	0.002261716
SGK3 brown	0.024676439	0.594785398	0.008000455	0.863098928
SH2D5 brown	-0.100428798	0.030010097	-0.120204068	0.009319547
SH3BGR brown	0.101169845	0.02881186	0.094940219	0.040285314
SH3BP1 brown	-0.082477422	0.074976143	-0.069881834	0.131565784
SH3GL3 brown	-0.069538869	0.133475285	-0.066053419	0.154111597
SH3RF2 brown	0.275704748	1.36E-09	0.297261438	5.55E-11
SH3RF3 brown	-0.095899521	0.038300058	-0.094154561	0.04197537
SH3YL1 brown	0.209756709	4.84E-06	0.177273956	0.00011754
SHANK2 brown	0.095535604	0.039043194	0.087446505	0.058987141
SHISA8 brown	0.235652788	2.58E-07	0.237523049	2.06E-07
SIAH3 brown	-0.100294252	0.030232169	-0.08867086	0.055514013
SIDT1 brown	0.193056448	2.66E-05	0.208764928	5.38E-06
SIPA1L1 brown	0.240863464	1.37E-07	0.232537368	3.74E-07
SLAIN1 brown	-0.002515502	0.956763978	-0.008749799	0.850420729
SLC15A2 brown	0.204234772	8.64E-06	0.206994504	6.48E-06
SLC17A8 brown	0.048339756	0.29720732	0.043939678	0.343405761
SLC22A2 brown	0.165041647	0.00034148	0.149056359	0.001235447
SLC22A4 brown	0.047766504	0.302979702	0.04676163	0.313276443
SLC22A5 brown	0.189466822	3.78E-05	0.161701097	0.000451253
SLC23A1 brown	0.054648649	0.238524309	0.077123591	0.09597892
SLC25A1 brown	0.048256512	0.298040961	0.05977903	0.197214886
SLC27A2 brown	0.27012013	2.99E-09	0.261785221	9.33E-09
SLC27A6 brown	-0.121065216	0.008822178	-0.120710705	0.009023995
SLC28A3 brown	0.107234814	0.020457988	0.113136017	0.014437237
SLC32A1 brown	0.048530063	0.295307323	0.057426389	0.215459825

SLC35F3 brown	0.032039254	0.489756642	0.054086128	0.243399115
SLC38A3 brown	-0.171262913	0.000200319	-0.17866316	0.000103655
SLC3A2 brown	-0.001284997	0.977905714	-0.031493802	0.497181397
SLC40A1 brown	0.134901091	0.00349149	0.142136753	0.002076855
SLC44A4 brown	-0.002852623	0.950976444	0.028494623	0.539051126
SLC46A1 brown	-0.123556248	0.007513877	-0.121730927	0.008454033
SLC46A2 brown	0.114219424	0.013519798	0.098346878	0.033607354
SLC47A2 brown	0.040152243	0.38664314	0.046610044	0.314849417
SLC48A1 brown	-0.160790569	0.000486424	-0.184075234	6.29E-05
SLC4A4 brown	-0.011231295	0.808727851	-0.003898037	0.933047011
SLC4A8 brown	0.007570593	0.870387897	0.025775042	0.578482329
SLC51A brown	-0.049214793	0.288538299	-0.040949747	0.377273913
SLC52A1 brown	0.052345361	0.258925102	0.072272657	0.118835555
SLC6A16 brown	0.06175211	0.182804434	0.07027536	0.129400861
SLC9A3R brown	0.179919515	9.24E-05	0.203760845	9.07E-06
SLC9C2 brown	-0.113904602	0.013780948	-0.111568615	0.015861293
SLCO4A1 brown	0.021262206	0.6467365	0.031219354	0.500939681
SLITRK5 brown	-0.018360575	0.692292854	-0.018204532	0.694776368
SMIM5 brown	-0.01500766	0.74634135	-0.009843793	0.83198127
SMIM6 brown	0.156934644	0.000665506	0.170494187	0.000214182
SMKR1 brown	-0.126363652	0.006249557	-0.112757537	0.014770399
SMOC1 brown	-0.088367142	0.056359324	-0.063281025	0.172184471
SMOX brown	0.031453158	0.497737021	0.059466449	0.199571863
SMPD2 brown	0.148381973	0.001300874	0.172313089	0.000182734
SMPD3 brown	0.298733555	4.41E-11	0.281564079	5.86E-10
SNAPC4 brown	0.063869913	0.168219119	0.054422675	0.240474281
SNTN brown	0.043642347	0.346684362	0.057204033	0.217244933
SNX31 brown	0.009554782	0.836844088	-0.002336214	0.959842861
SORBS2 brown	0.324761138	6.23E-13	0.316634155	2.47E-12
SOWAH/ brown	-0.148149226	0.001324184	-0.151800103	0.000999291
SOX17 brown	0.203139938	9.67E-06	0.201465627	1.15E-05
SOX3 brown	-0.133719756	0.003791878	-0.140505008	0.002339898
SOX30 brown	-0.226903672	7.23E-07	-0.222504485	1.19E-06
SPA17 brown	0.269265913	3.36E-09	0.27090876	2.68E-09
SPAG1 brown	0.007784596	0.866757746	0.010612983	0.819070776
SPAG16 brown	-0.338026074	6.03E-14	-0.342750318	2.56E-14
SPAG17 brown	-0.12229454	0.008153121	-0.124134236	0.007236297
SPAG6 brown	-0.245246054	7.97E-08	-0.257774905	1.59E-08
SPAG8 brown	0.052353298	0.258852794	0.064111587	0.166611701
SPATA17 brown	0.123390523	0.007595203	0.127458096	0.005810835
SPATA18 brown	0.291348566	1.37E-10	0.302907793	2.29E-11
SPATA24 brown	-0.078113632	0.091775953	-0.067733011	0.14388409
SPATA33 brown	0.265280855	5.81E-09	0.2862849	2.93E-10
SPATA4 brown	-0.078783046	0.089018611	-0.069712547	0.132505656
SPATA6 brown	0.157031077	0.000660365	0.134250368	0.003654172

SPATA6I	brown	-0.015614966	0.73644978	0.002669724	0.954116074
SPATA7	brown	-0.117717106	0.010898764	-0.137587632	0.002887121
SPATS1	brown	0.074583205	0.107467776	0.078736985	0.089206179
SPECC1	brown	0.123713977	0.007437199	0.141036201	0.002251105
SPEF1	brown	0.071921144	0.120644455	0.08841652	0.056221174
SPEF2	brown	-0.041509907	0.370777215	-0.049661964	0.284174418
SPIRE2	brown	-0.026651674	0.565625386	-0.038528787	0.406148086
SPNS3	brown	-0.049203463	0.288649444	-0.0286862	0.536324918
SPPL2B	brown	0.332291071	1.68E-13	0.334257397	1.19E-13
SPRY3	brown	0.251837585	3.45E-08	0.235727016	2.56E-07
SRCIN1	brown	-0.039715211	0.391836976	-0.054287583	0.241645353
SRD5A2	brown	0.05675197	0.220906797	0.066850699	0.149190093
SRGAP3	brown	-0.003993313	0.931414506	-0.007194088	0.876781173
SSUH2	brown	-0.177600574	0.000114127	-0.175546006	0.000137254
ST3GAL6	brown	-0.17213216	0.000185657	-0.14645029	0.001506323
ST6GALN	brown	0.145311228	0.001641031	0.140916618	0.002270821
STAG3	brown	-0.166879361	0.000292268	-0.166813776	0.000293904
STK33	brown	-0.080931247	0.080616733	-0.081791377	0.077437943
STK36	brown	0.052327292	0.259089769	0.031865778	0.492111548
STMND1	brown	0.094818313	0.040543717	0.101211019	0.028746506
STOML3	brown	0.058069479	0.210356352	0.076111503	0.100432786
STOX1	brown	0.062047941	0.180712687	0.04061496	0.381189939
STPG1	brown	0.242851199	1.07E-07	0.248462184	5.31E-08
STX18	brown	0.286859825	2.69E-10	0.286265916	2.94E-10
SUGCT	brown	-0.283766141	4.25E-10	-0.297898749	5.03E-11
SULT1A1	brown	-0.011492587	0.804366914	0.023600845	0.610946672
SUOX	brown	0.147759114	0.001364118	0.137850001	0.002833522
SVOPL	brown	-0.217498445	2.09E-06	-0.211913474	3.84E-06
SYBU	brown	-0.090739328	0.050032899	-0.061232262	0.186523408
SYS1	brown	-0.224046347	1.00E-06	-0.217247599	2.15E-06
SYT5	brown	-0.047452781	0.306169995	-0.05322596	0.25098754
SYT8	brown	0.174602203	0.000149293	0.194896278	2.22E-05
SYTL3	brown	0.209438158	5.00E-06	0.221719958	1.31E-06
TAAR1	brown	-0.105981242	0.021987109	-0.108826474	0.018650299
TACR1	brown	-0.078534159	0.090035911	-0.087922727	0.057615453
TAS2R1	brown	0.003458099	0.940588584	-0.003596186	0.938220851
TBC1D8	brown	0.226109266	7.92E-07	0.216856351	2.24E-06
TCF7	brown	0.120662041	0.009052017	0.102919999	0.026143842
TCP10L	brown	-0.193661572	2.51E-05	-0.184929513	5.81E-05
TCTE1	brown	0.08100969	0.080322521	0.090419679	0.050849138
TCTEX1I	brown	-0.194845523	2.23E-05	-0.19174904	3.03E-05
TCTEX1I	brown	0.098324223	0.033648436	0.105319332	0.022833792
TCTEX1I	brown	0.100701465	0.029564335	0.119198757	0.009931607
TCTN1	brown	0.089800751	0.052461217	0.097763655	0.034678707
TCTN2	brown	0.079703425	0.085336573	0.070928952	0.125866287

TDRP	brown	-0.264495458	6.47E-09	-0.287472484	2.46E-10
TEKT1	brown	0.016543158	0.721415996	0.025939997	0.576052609
TEKT2	brown	0.070366952	0.12890096	0.08311343	0.072751163
TEKT3	brown	0.044904495	0.33290345	0.046912921	0.311711681
TEKT4	brown	0.141413642	0.002189894	0.159953558	0.000520987
TEX26	brown	-0.068789011	0.137724607	-0.060703528	0.190362806
TEX9	brown	0.055478468	0.231459156	0.056923638	0.219511067
TFF1	brown	0.248601904	5.22E-08	0.303900081	1.96E-11
TGM3	brown	0.24238396	1.14E-07	0.23142946	4.27E-07
THSD4	brown	-0.212053718	3.78E-06	-0.203802081	9.03E-06
TIGD4	brown	0.063199033	0.172742056	0.059447508	0.199715343
TMC1	brown	0.099026765	0.032394176	0.121112435	0.008795603
TMC3	brown	-0.064214887	0.165928162	-0.070929758	0.125861972
TMCO5A	brown	0.027219989	0.557364071	0.046864419	0.31221277
TMED6	brown	0.199023508	1.47E-05	0.210294315	4.57E-06
TMEM10	brown	0.117693084	0.010915109	0.107560593	0.020076066
TMEM10	brown	0.269761798	3.14E-09	0.280709655	6.64E-10
TMEM11	brown	0.024183533	0.602167389	0.05390494	0.244984048
TMEM11	brown	0.036391357	0.432702089	0.036798398	0.427569465
TMEM12	brown	0.028228095	0.54285541	-0.001700873	0.970757942
TMEM13	brown	0.026097463	0.573737701	0.054935914	0.236061539
TMEM15	brown	0.224649993	9.36E-07	0.219913863	1.60E-06
TMEM17	brown	-0.078305361	0.090979313	-0.077843745	0.092906798
TMEM17	brown	-0.117538407	0.011020874	-0.112367273	0.015120987
TMEM17	brown	-0.011673457	0.801351761	-0.02513712	0.587923509
TMEM19	brown	-0.033728751	0.467141425	-0.030518567	0.510603934
TMEM20	brown	-0.097760747	0.034684121	-0.104173131	0.024366821
TMEM21	brown	-0.051989485	0.26218158	-0.037062418	0.424259251
TMEM23	brown	0.145692734	0.00159473	0.153014879	0.000908681
TMEM23	brown	0.031245947	0.500574867	0.033938592	0.464373412
TMEM23	brown	-0.076712965	0.097766571	-0.070530257	0.128013366
TMEM25	brown	0.34237764	2.74E-14	0.310618042	6.65E-12
TMEM25	brown	-0.100439139	0.029993086	-0.109805445	0.017609031
TMEM31	brown	-0.105431669	0.022688137	-0.114942818	0.012936182
TMEM40	brown	-0.000194113	0.996662002	0.036856696	0.426837247
TMEM45	brown	0.114710787	0.013120911	0.125727987	0.006517806
TMEM67	brown	-0.05177834	0.264126959	-0.086007682	0.063296489
TMPRSS2	brown	0.304833787	1.69E-11	0.299893615	3.68E-11
TMPRSS2	brown	-0.074955102	0.105721054	-0.055951748	0.227496604
TMPRSS2	brown	-0.101420824	0.028415458	-0.092370583	0.04603605
TNFAIP8	brown	0.047515285	0.305532614	0.066865779	0.149098171
TNNC2	brown	-0.067400358	0.145867385	-0.060956532	0.188518439
TNNI2	brown	0.04365239	0.346573297	0.075304795	0.104099168
TP53AIP1	brown	0.127187173	0.00591678	0.142307947	0.002050886
TP73	brown	0.339715653	4.45E-14	0.347760658	1.01E-14

TPCN2	brown	-0.151578525	0.001016692	-0.187382889	4.61E-05
TPPP	brown	-0.107169439	0.020535386	-0.093411188	0.04362915
TPPP3	brown	0.093273019	0.043942503	0.118183504	0.010585687
TPRXL	brown	-0.036359529	0.433104928	-0.016945992	0.714924212
TRAF3IP	brown	0.064827585	0.161917044	0.062738992	0.175895545
TREH	brown	0.206238473	7.01E-06	0.205369784	7.68E-06
TRIB3	brown	-0.109424585	0.018007931	-0.09116014	0.048975053
TRIM10	brown	0.007445588	0.872509648	0.009682682	0.834691302
TRIM15	brown	0.056743128	0.220978853	0.056276689	0.224804076
TRIM31	brown	0.069277432	0.13494517	0.092678173	0.045313262
TRIM41	brown	0.061170746	0.186967151	0.044489055	0.337400034
TRIM55	brown	0.021607218	0.641402381	0.041540281	0.370426936
TRIM73	brown	0.022558885	0.626784949	0.022131162	0.633337078
TRIM74	brown	-0.056000651	0.227089919	-0.055169059	0.234075967
TSGA10	brown	-0.010432175	0.822101296	-0.020579969	0.657337593
TSNAXIF	brown	0.111081143	0.016328599	0.125986512	0.006407488
TSPAN1	brown	0.139189462	0.002573733	0.172914392	0.000173328
TSPAN19	brown	-0.103471162	0.025348952	-0.102369458	0.026959181
TSPAN3	brown	0.021806729	0.638326179	0.023829883	0.607489044
TTC12	brown	0.225148182	8.85E-07	0.21038147	4.53E-06
TTC16	brown	0.029856402	0.519824034	0.042530114	0.359124089
TTC21A	brown	0.110798478	0.016605059	0.120476962	0.009159299
TTC23L	brown	0.01800317	0.697985987	0.01578719	0.73365249
TTC25	brown	0.099081588	0.032298	0.107411168	0.020250465
TTC26	brown	0.088710681	0.055403969	0.079700586	0.085347739
TTC29	brown	0.063098484	0.173427677	0.07401458	0.110182441
TTC30A	brown	-0.280584342	6.76E-10	-0.271405768	2.50E-09
TTC30B	brown	-0.142333516	0.002047033	-0.125526729	0.006604862
TTC34	brown	-0.169960358	0.000224332	-0.163833655	0.000377927
TTC39C	brown	-0.055650431	0.230013778	-0.044540531	0.336840771
TTC6	brown	0.065498881	0.15760654	0.077710096	0.09347091
TTC8	brown	0.114822929	0.013031342	0.086370567	0.062185893
TTLL1	brown	0.258310575	1.48E-08	0.252393612	3.21E-08
TTLL10	brown	0.088979786	0.054665038	0.104954515	0.023312408
TTLL5	brown	0.03820466	0.410111277	0.017822245	0.70087445
TTLL6	brown	-0.10084506	0.029331872	-0.093121879	0.044287439
TTLL7	brown	0.064681586	0.162866163	0.03703902	0.424552013
TTLL9	brown	-0.020577117	0.657382052	-0.013193435	0.776133874
TUBA4A	brown	0.065159932	0.159772029	0.066307644	0.152529124
UBE3D	brown	-0.136748114	0.003064884	-0.146188189	0.001536388
UBXN10	brown	0.17159095	0.000194663	0.173808013	0.000160184
UBXN11	brown	0.072145153	0.119489231	0.089978958	0.051992746
UCN3	brown	-0.014762309	0.75034947	0.006939916	0.881101718
UFC1	brown	0.243178852	1.03E-07	0.229099378	5.61E-07
UGT2B7	brown	-0.156508854	0.000688647	-0.127995837	0.005605585

ULBP2	brown	0.217656028	2.05E-06	0.227461584	6.78E-07
ULK4	brown	-0.112497994	0.015002751	-0.106423392	0.021436818
UMODL1	brown	-0.039486041	0.39457729	-0.04170334	0.368549972
UNC79	brown	-0.106728242	0.021064407	-0.118840797	0.01015801
UPK1B	brown	0.160869888	0.000483262	0.178163462	0.000108461
UROC1	brown	-0.067664531	0.144290678	-0.046357236	0.317484236
USH1C	brown	0.038693664	0.404140861	0.026958666	0.56115552
USH1G	brown	0.009515067	0.837512814	-0.014498025	0.754674434
USP2	brown	-0.127089211	0.005955514	-0.118371824	0.010461552
USP40	brown	0.095601267	0.038908211	0.055705426	0.229552887
VEPH1	brown	-0.090060588	0.051779324	-0.081031866	0.080239505
VGF	brown	-0.05229285	0.259403846	-0.040646917	0.380815066
VNN3	brown	0.001208595	0.979219069	0.006734573	0.884594835
VRK3	brown	0.040191277	0.386181297	0.062431008	0.178030496
VSIG10L	brown	-0.111263649	0.016152249	-0.128853574	0.005291665
VWA3A	brown	0.093344385	0.043780417	0.089785897	0.052500424
VWA3B	brown	0.062307651	0.178890986	0.077913262	0.092614455
VWA5B1	brown	-0.093415362	0.043619714	-0.100873752	0.029285611
VWA5B2	brown	0.174219928	0.000154446	0.181381691	8.08E-05
VWA7	brown	-0.17250457	0.000179688	-0.170709724	0.000210207
WBSCR2	brown	0.058145849	0.209756131	0.082149516	0.076144734
WBSCR2	brown	0.002138461	0.963239515	0.024441835	0.598293798
WDR19	brown	-0.085798508	0.063944045	-0.100008751	0.030708066
WDR31	brown	0.307390823	1.12E-11	0.289160188	1.91E-10
WDR38	brown	0.096141365	0.037812858	0.108892682	0.018578222
WDR49	brown	0.033266247	0.47327439	0.047930736	0.301318414
WDR54	brown	0.07518514	0.1046519	0.093829731	0.042691397
WDR5B	brown	-0.104390254	0.024069776	-0.108282504	0.019251781
WDR60	brown	0.001952403	0.966435914	-0.015669335	0.735566332
WDR63	brown	0.052594087	0.256665766	0.058875757	0.204081782
WDR66	brown	0.113770371	0.013893638	0.121653835	0.008495953
WDR77	brown	0.045986739	0.321371591	0.049084579	0.289817453
WDR78	brown	0.071017341	0.125394094	0.074853316	0.106196873
WDR90	brown	0.215163671	2.70E-06	0.224974502	9.02E-07
WDR92	brown	-0.118654101	0.010277899	-0.111233042	0.016181707
WDR93	brown	0.065183535	0.15962051	0.080940227	0.080583008
WFDC3	brown	-6.46E-05	0.998889269	0.025315838	0.585271344
WFDC6	brown	0.129548261	0.005049117	0.131707143	0.004357963
WNT9A	brown	-0.120483628	0.009155416	-0.104255178	0.024254203
WRB	brown	0.118335052	0.010485689	0.104799019	0.023519033
XG	brown	0.264848892	6.17E-09	0.264566195	6.41E-09
XPNPEP3	brown	0.203479382	9.34E-06	0.215436063	2.62E-06
ZBBX	brown	0.023497721	0.612506309	0.033904308	0.464825031
ZBTB18	brown	0.226561683	7.52E-07	0.219907549	1.60E-06
ZC2HC1C	brown	0.022053335	0.634532393	0.043498625	0.348276252

ZCWPW1brown	-0.248516777	5.28E-08	-0.256160267	1.97E-08
ZDHHC1 brown	0.266785013	4.73E-09	0.28404228	4.08E-10
ZDHHC1 brown	-0.114013486	0.013690129	-0.110123126	0.017282229
ZDHHC1 brown	-0.243616544	9.77E-08	-0.242072762	1.18E-07
ZDHHC1brown	0.142561338	0.002012993	0.127717368	0.005711045
ZFHX2 brown	0.096270456	0.03755496	0.100582494	0.029758128
ZFYVE27brown	0.081496955	0.078514384	0.055609904	0.230353839
ZFYVE28brown	-0.077419608	0.094706464	-0.072607543	0.117131998
ZMYND1brown	0.155050559	0.000773675	0.173761307	0.000160847
ZMYND1brown	0.101276899	0.0286422	0.099238356	0.03202433
ZNF132 brown	-0.290285012	1.61E-10	-0.293394413	1.01E-10
ZNF19 brown	0.064267606	0.165580121	0.079721315	0.08526624
ZNF20 brown	0.022582337	0.626426538	0.030684883	0.508301585
ZNF3 brown	-0.00310053	0.946722117	-0.014737774	0.750750668
ZNF391 brown	0.054259814	0.241886565	0.045237944	0.329322335
ZNF396 brown	0.038489871	0.406622717	0.032414467	0.484683951
ZNF440 brown	0.046775322	0.313134617	0.049390772	0.286815599
ZNF446 brown	0.149158752	0.001225782	0.142164659	0.002072601
ZNF473 brown	-0.070293332	0.129302652	-0.066484828	0.151433515
ZNF474 brown	0.109073904	0.018382176	0.120093662	0.009385085
ZNF487 brown	0.087381013	0.059177879	0.101718006	0.027952145
ZNF497 brown	0.16753178	0.000276451	0.161827498	0.000446562
ZNF584 brown	0.021627363	0.641091481	0.011603903	0.802510912
ZNF599 brown	-0.204987932	7.99E-06	-0.215771031	2.53E-06
ZNF671 brown	0.071727944	0.121647774	0.081426588	0.078773442
ZNF69 brown	0.164319058	0.000362866	0.165511019	0.000328224
ZNF812 brown	0.164301513	0.000363401	0.171579688	0.000194855
ZSCAN4 brown	-0.035417806	0.445121362	-0.022444166	0.628539435
ZSCAN5brown	-0.099519411	0.031538651	-0.101825353	0.027786393
AGPAT5 brown4	0.160373159	0.000503385	0.113871706	0.01380849
ASAH1 brown4	0.196643661	1.87E-05	0.177054802	0.000119884
ASH2L brown4	0.080704376	0.08147256	0.056201531	0.225424823
ATP6V1Ebrown4	0.30173682	2.76E-11	0.285280787	3.40E-10
BAG4 brown4	0.035837228	0.439746266	0.015687148	0.735276953
BIN3 brown4	0.135722399	0.00329555	0.119415953	0.00979643
BNIP3L brown4	0.243498897	9.91E-08	0.216243805	2.40E-06
CCAR2 brown4	0.2555343	2.14E-08	0.24663417	6.70E-08
CCDC25 brown4	0.225431001	8.56E-07	0.200335117	1.29E-05
CHMP7 brown4	0.29045647	1.57E-10	0.285913873	3.09E-10
CLN8 brown4	0.254122057	2.57E-08	0.258926612	1.37E-08
CNOT7 brown4	0.123754055	0.007417827	0.097864979	0.03449052
DCTN6 brown4	0.179735757	9.40E-05	0.155622686	0.000739221
DDHD2 brown4	0.081399998	0.078871516	0.050973963	0.271628819
ENTPD4 brown4	0.279774342	7.60E-10	0.246821135	6.54E-08
ERICH1 brown4	0.072027052	0.120097199	0.053121198	0.251922873

ERLIN2	brown4	0.227768522	6.54E-07	0.205236498	7.79E-06
FBXO25	brown4	0.190823671	3.31E-05	0.195334356	2.13E-05
FDFT1	brown4	0.382185116	1.09E-17	0.361230133	7.69E-16
FUT10	brown4	0.25408035	2.58E-08	0.217988169	1.98E-06
GTF2E2	brown4	0.263994213	6.92E-09	0.262673647	8.28E-09
HMBOX1	brown4	0.069125302	0.13580622	0.045987754	0.321360901
INTS10	brown4	0.322509938	9.16E-13	0.302795226	2.33E-11
INTS9	brown4	0.339682167	4.47E-14	0.321784638	1.04E-12
KCTD9	brown4	0.143454591	0.001884466	0.121063836	0.008822956
LEPROTI	brown4	0.211796288	3.89E-06	0.206384753	6.91E-06
LONRF1	brown4	0.016848792	0.716488751	-0.021200565	0.647691442
LSM1	brown4	0.146629927	0.001486031	0.133289241	0.003907042
MAK16	brown4	0.103714142	0.0250052	0.08255361	0.074706725
MCPH1	brown4	0.253685331	2.72E-08	0.218379036	1.90E-06
MTMR9	brown4	-0.024544881	0.596751631	-0.057426584	0.215458264
NEIL2	brown4	0.228414429	6.07E-07	0.217907178	2.00E-06
PCM1	brown4	0.177250825	0.000117786	0.15184155	0.000996067
PLEKHA7	brown4	0.040839065	0.378565832	0.019730803	0.670628956
POLR3D	brown4	0.111768023	0.015673539	0.10058453	0.029754802
PPP2CB	brown4	0.095231678	0.039673147	0.080627348	0.0817648
PPP2R2A	brown4	0.203098272	9.72E-06	0.161939402	0.000442447
PPP3CC	brown4	0.072760824	0.116358669	0.068146628	0.141446905
PROSC	brown4	0.084764173	0.067226747	0.06804614	0.142036091
SARAF	brown4	0.136853524	0.003042031	0.125461069	0.006633489
TM2D2	brown4	0.117355475	0.011147131	0.10928323	0.018157977
TNFRSF1	brown4	0.413097246	1.13E-20	0.386757438	4.12E-18
TNKS	brown4	0.15428096	0.000822369	0.126943571	0.00601352
TTI2	brown4	0.302384816	2.49E-11	0.288067883	2.25E-10
UBXN8	brown4	0.051530642	0.26642173	0.025369958	0.58446931
VPS37A	brown4	0.187166896	4.70E-05	0.167049606	0.000288061
WHSC1L	brown4	0.048031567	0.30030146	0.017970395	0.698508912
XPO7	brown4	0.21385622	3.11E-06	0.187046545	4.76E-05
ZNF395	brown4	0.156929898	0.00066576	0.143315426	0.001903983
AC01115	cyan	-0.015986352	0.73042205	0.001793595	0.969164602
AC01326	cyan	-0.062658171	0.176453949	-0.046862433	0.3122333
AC01675	cyan	-0.012156669	0.793311054	0.001129742	0.980574614
AC10982	cyan	-0.062807539	0.175422978	-0.034391977	0.458423986
ADAM18	cyan	-0.102156366	0.027280589	-0.090065176	0.051767352
ADAM2	cyan	0.019721716	0.670771746	0.029252079	0.528312817
ADAM29	cyan	-0.116544194	0.011722629	-0.10194956	0.027595661
AKAP4	cyan	-0.060671802	0.190595014	-0.040703758	0.380148848
AL13347	cyan	-0.03644545	0.432017957	-0.017102606	0.712405823
AL13584	cyan	-0.035925804	0.438615883	-0.015976404	0.730583298
ALDOB	cyan	0.008884506	0.848145609	0.00910874	0.844361217
AMY1C	cyan	-0.053606748	0.247608162	-0.043058468	0.353180262



ANKRD3 cyan	-0.043095477	0.352766252	-0.023991341	0.605056858
ANKRD6 cyan	-0.012152081	0.793387289	0.020909611	0.652206631
AP005242 cyan	-0.047712719	0.303525074	-0.030958522	0.504525376
AQPEP cyan	-0.101762778	0.027882911	-0.099764764	0.031119829
ASAH2 cyan	0.03954382	0.393885309	0.038924877	0.401336061
ASIC5 cyan	-0.0490657	0.290003229	-0.040335231	0.38448095
ATP1B4 cyan	-0.04943167	0.286416232	-0.042774922	0.356362319
BMP10 cyan	-0.041149272	0.374951859	-0.026906777	0.56190983
BTNL3 cyan	-0.066626855	0.150559621	-0.047132001	0.309454914
C11orf44 cyan	-0.041671019	0.368921545	-0.017853945	0.70036805
C12orf42 cyan	-0.150405629	0.001113546	-0.131154576	0.004526208
C4orf17 cyan	0.011345405	0.806822635	0.026671314	0.565338909
C7orf34 cyan	-0.127737836	0.005703234	-0.133651912	0.00380982
C7orf62 cyan	-0.068913397	0.137012628	-0.055770752	0.229006268
C7orf72 cyan	-0.02062144	0.656691186	-0.006396621	0.890348607
CCDC102 cyan	-0.155521781	0.000745192	-0.144765703	0.001709383
CCDC172 cyan	-0.052463945	0.257846227	-0.033557312	0.469409631
CCER1 cyan	-0.038780823	0.403082177	-0.029240099	0.528481809
CLDN25 cyan	0.013272874	0.774822101	0.010345763	0.823550578
CLEC12B cyan	-0.117001576	0.011395027	-0.111571874	0.015858208
CLEC4C cyan	-0.054557328	0.23931099	-0.006789731	0.883656319
CLRN1 cyan	-0.059017672	0.202991573	-0.020506584	0.65848205
CNGB3 cyan	-0.235556253	2.61E-07	-0.2321145	3.94E-07
CSN1S1 cyan	-0.038706628	0.403983289	-0.028906436	0.533199436
CTAGE6 cyan	0.038769443	0.403220311	0.031228421	0.500815279
CTAGE9 cyan	0.017386124	0.707854785	0.031749054	0.493699457
CTC-554I cyan	-0.021020155	0.65048963	-0.022353556	0.629926687
CTXN2 cyan	-0.178320185	0.000106932	-0.17672225	0.000123525
CYLC1 cyan	-0.043044474	0.353336883	-0.024955626	0.59062252
DEFB112 cyan	-0.040994241	0.376755342	-0.019484932	0.674496875
DEFB114 cyan	-0.013659001	0.768455181	0.016796327	0.71733373
DEFB115 cyan	-0.038562406	0.405738324	-0.017466807	0.70656154
DEFB127 cyan	-0.008148599	0.86058957	0.011308123	0.807444982
DEFB129 cyan	-0.01963951	0.672064123	-0.028084474	0.544910896
DEFB131 cyan	-0.016806561	0.717168877	-0.007507706	0.871455175
DYTN cyan	-0.142858093	0.001969431	-0.134157059	0.003678055
EBLN1 cyan	-0.097322386	0.035508497	-0.114191529	0.01354276
EVX2 cyan	-0.059169585	0.201829257	-0.057582411	0.214213558
EXD1 cyan	-0.040493022	0.382622419	-0.020431236	0.659657957
F13B cyan	-0.050605867	0.275109837	-0.04339855	0.349387437
F9 cyan	-0.042879481	0.355186829	-0.032099387	0.488941757
FAM156A cyan	-0.075645453	0.102538195	-0.076243185	0.099844169
FAM25G cyan	0.094114571	0.04206297	0.069467781	0.133873739
FAM71A cyan	-0.040866744	0.378242503	-0.039413701	0.395444692
FAM71B cyan	-0.049956486	0.281324663	-0.03069693	0.508135023

FSHB	cyan	-0.055987538	0.227198924	-0.038571408	0.405628641
GABRA4	cyan	-0.069509783	0.133638206	-0.05088679	0.272450468
GALNTL	cyan	-0.10113477	0.028867636	-0.079357818	0.08670454
GC	cyan	-0.034051918	0.462882316	-0.025490173	0.582689581
GJD3	cyan	0.018045505	0.697310733	0.015051759	0.745621653
GKN2	cyan	-0.066057394	0.154086757	-0.050689465	0.274316617
GLRA1	cyan	-0.052985539	0.253137656	-0.035629853	0.442399219
GLRA3	cyan	-0.138579555	0.002689206	-0.124987925	0.006843081
GOLGA6	cyan	-0.094444217	0.041345448	-0.082150645	0.076140684
GPR179	cyan	-0.148698844	0.001269745	-0.142596732	0.002007752
GPRC6A	cyan	-0.116887897	0.011475684	-0.105634719	0.022426906
GPX6	cyan	-0.104625894	0.023750945	-0.106426638	0.021432823
GRXCR2	cyan	0.002263748	0.961087476	0.014049927	0.762024953
GSTA5	cyan	-0.012963892	0.77992788	-0.001658323	0.971489153
HHLA1	cyan	-0.045285305	0.328815717	-0.030126291	0.516055747
HIST1H2	cyan	-0.005130915	0.911946561	-0.019515389	0.674017283
HIST1H2	cyan	0.024192615	0.602031	0.037665949	0.416748692
IFNA10	cyan	-0.01707484	0.712852089	0.009621238	0.835725357
IFNA14	cyan	-0.024532359	0.596938944	0.00213933	0.963224591
IFNA16	cyan	-0.032276851	0.486541145	-0.012269724	0.791432929
IFNA17	cyan	-0.037074282	0.424110857	-0.041429808	0.37170194
IFNA4	cyan	-0.03481771	0.452876425	-0.025073207	0.588873318
IFNA5	cyan	-0.056969902	0.219135999	-0.062659599	0.176444068
IFNA7	cyan	-0.057581298	0.214222431	-0.044579856	0.336413923
IL9	cyan	0.044576144	0.336454196	0.049808502	0.28275411
IQCJ	cyan	-0.087601508	0.058537742	-0.080882288	0.080800803
KCNA10	cyan	-0.018928807	0.683277139	-0.014197182	0.75960701
KCNH7	cyan	-0.041134032	0.37512891	-0.025225997	0.58660389
KRBOX1	cyan	-0.245533902	7.69E-08	-0.242445822	1.13E-07
KRT12	cyan	-0.070939166	0.125811649	-0.055924135	0.227726456
KRTAP1	cyan	-0.058672276	0.205652343	-0.044208624	0.340457218
KRTAP1	cyan	-0.086184333	0.062753832	-0.087966704	0.057490128
KRTAP1	cyan	-0.038932594	0.401242645	-0.018770825	0.68577927
KRTAP1	cyan	-0.076761709	0.097552988	-0.066045942	0.154158327
KRTAP1	cyan	-0.04544306	0.327131873	-0.014177784	0.759925398
KRTAP1	cyan	-0.041661081	0.36903585	-0.029842848	0.52001365
KRTAP2	cyan	-0.013364869	0.773303789	-0.005324694	0.908635318
KRTAP2	cyan	-0.084426535	0.068327792	-0.089035118	0.054514123
KRTAP2	cyan	-0.038064905	0.411827142	-0.025958452	0.575781089
LACRT	cyan	0.05560957	0.230356639	0.055882395	0.228074229
LCE1B	cyan	0.023073048	0.618947388	0.03515585	0.448497304
LCE3B	cyan	-0.058604762	0.206175374	-0.04919704	0.288712467
LCE6A	cyan	0.017162291	0.711446911	0.037612617	0.417409212
LGALS1	cyan	-0.030264675	0.514129072	0.042725337	0.356920618
LRIT1	cyan	-0.025024419	0.589598821	0.019878129	0.668315447

LRRC72 cyan	-0.001051503	0.981919655	0.018344106	0.692554819
LRRC74A cyan	-0.049511033	0.285642322	-0.017151085	0.71162692
LUZP4 cyan	-0.101281071	0.028635606	-0.087176652	0.059776336
MBD3L4 cyan	-0.060120403	0.194664077	-0.042750521	0.356636992
MC2R cyan	-0.006383837	0.890566385	0.01622744	0.72651794
MEPE cyan	-0.08267399	0.074282641	-0.063680465	0.169487267
MGAT4C cyan	-0.069802793	0.132003973	-0.059411794	0.199986081
MTNR1B cyan	0.023348631	0.614764212	0.032421904	0.484583684
MTRNR2 cyan	0.047107063	0.309711265	0.069519435	0.133584126
NEUROD cyan	-0.016279184	0.725680936	0.006962804	0.880712515
NMS cyan	0.008443877	0.855592188	0.02140774	0.644484225
NPY2R cyan	0.021220579	0.647381314	-0.001446166	0.975135429
OR10A7 cyan	-0.04163001	0.36939334	-0.027051782	0.559803098
OR10AG1 cyan	-0.040022259	0.388183524	-0.020196337	0.66332924
OR10D3 cyan	-0.023989134	0.605090078	0.003343791	0.942549008
OR10G6 cyan	-0.019469104	0.674746177	-0.010769502	0.816449522
OR10G8 cyan	-0.039179898	0.398255982	-0.016770485	0.717750068
OR10H4 cyan	-0.023657484	0.61009083	-0.007759728	0.867179444
OR10J1 cyan	-0.001099776	0.981089775	0.015405106	0.739863071
OR10T2 cyan	-0.039414192	0.395438803	-0.039104715	0.399162547
OR10Z1 cyan	0.047098709	0.309797165	0.052898549	0.253918765
OR11H2 cyan	-0.039113557	0.39905586	-0.025428775	0.583598228
OR13C3 cyan	-0.076142504	0.100293963	-0.050434258	0.276743044
OR13C5 cyan	0.019811145	0.669366933	-0.0065357	0.887980019
OR14A16 cyan	-0.002833534	0.951304086	0.011064687	0.811511609
OR14C36 cyan	-0.064612222	0.16331855	-0.04668732	0.3140469
OR1C1 cyan	-0.107458047	0.020195609	-0.095148031	0.039848024
OR1J1 cyan	-0.064438158	0.164457944	-0.048658098	0.294033617
OR1J2 cyan	-0.028432983	0.53992977	-0.011978326	0.796276208
OR1J4 cyan	-0.049856449	0.282290431	-0.062528238	0.177354431
OR1L1 cyan	-0.063859677	0.168287458	-0.060528927	0.191643326
OR1L3 cyan	-0.073077183	0.114775222	-0.055810831	0.228671362
OR1S2 cyan	-0.066121243	0.1536882	-0.061838938	0.182188651
OR2A14 cyan	-0.042317276	0.361536061	-0.031011141	0.503800929
OR2A25 cyan	-0.094734918	0.040721296	-0.090218212	0.051369283
OR2A4 cyan	0.03961303	0.393057379	0.049377603	0.286944273
OR2AJ1 cyan	-0.042932766	0.354588719	-0.019789806	0.669702031
OR2AK2 cyan	-0.03281507	0.479299465	-0.030556418	0.510079473
OR2AP1 cyan	-0.019572513	0.673118109	-0.009556427	0.836816397
OR2C3 cyan	-0.110452751	0.016948758	-0.088337068	0.056443605
OR2J3 cyan	-0.064313201	0.165279562	-0.057791602	0.212550745
OR2L3 cyan	-0.09310779	0.04431971	-0.077946459	0.092475114
OR2L5 cyan	-0.072007869	0.12019618	-0.068459042	0.139627105
OR2M2 cyan	-0.056865791	0.219980681	-0.041492437	0.370978779
OR2T1 cyan	-0.032546752	0.482902309	-0.007755867	0.867244915

OR2T5	cyan	-0.03898085	0.400658809	-0.01223622	0.791989384
OR2V2	cyan	-0.049046994	0.290187384	-0.055361998	0.232441755
OR2W1	cyan	-0.067378124	0.146000683	-0.060210119	0.193997728
OR4A15	cyan	-0.051147986	0.269993621	-0.030035062	0.517327933
OR4A16	cyan	-0.052142405	0.260778831	-0.032182635	0.487814842
OR4A47	cyan	-0.027498969	0.553330218	-0.003352665	0.942396796
OR4A5	cyan	-0.021984045	0.635597392	0.006489038	0.888774586
OR4C13	cyan	-0.021244596	0.64700926	-0.013554756	0.770172589
OR4C3	cyan	-0.003669833	0.936958263	0.013982374	0.763134945
OR4D6	cyan	-0.043105081	0.352658871	-0.026417681	0.569043769
OR4E2	cyan	-0.031362008	0.498984313	-0.021512792	0.642860446
OR4F15	cyan	-0.050262548	0.278383795	-0.030110595	0.516274515
OR4F17	cyan	-0.027745878	0.549772035	-0.015420684	0.73960952
OR4F21	cyan	-0.008169843	0.86022984	0.001771494	0.969544379
OR4F5	cyan	-0.043279305	0.350714384	-0.044751784	0.334551838
OR4F6	cyan	-0.066289677	0.152640557	-0.048017978	0.300438386
OR4K1	cyan	-0.038839026	0.402376135	-0.009214581	0.842576169
OR4N5	cyan	-0.061236874	0.186490168	-0.040769017	0.379384849
OR4P4	cyan	-0.017423979	0.70724791	0.000684793	0.988224576
OR4S1	cyan	-0.026589726	0.566529419	-0.013250223	0.775196072
OR51A4	cyan	-0.05522187	0.233627846	-0.032346592	0.485599476
OR51B5	cyan	-0.068723482	0.138100831	-0.04963069	0.284478156
OR51G2	cyan	0.048996716	0.290682729	0.055739683	0.229266127
OR51T1	cyan	-0.008123407	0.861016189	0.006089139	0.895588631
OR52E2	cyan	-0.084796251	0.067122904	-0.070654046	0.127343712
OR52J3	cyan	0.043730489	0.345710378	0.054720138	0.237909735
OR52K2	cyan	-0.054392021	0.240739662	-0.038547553	0.405919331
OR52L1	cyan	-0.087269967	0.059502452	-0.072553338	0.117406437
OR52N4	cyan	-0.12030564	0.009259614	-0.112519357	0.014983505
OR56A4	cyan	-0.107009195	0.020726176	-0.087462034	0.05894199
OR5A2	cyan	-0.047774754	0.302896099	-0.034285247	0.45982067
OR5AC2	cyan	0.048808098	0.292546081	0.043652869	0.346568009
OR5AK2	cyan	-0.044694036	0.335176543	-0.040978714	0.376936256
OR5B17	cyan	-0.035395232	0.445411707	-0.013938865	0.76385013
OR5B2	cyan	-0.059710736	0.197728103	-0.042819466	0.355861241
OR5B3	cyan	-0.059088289	0.20245067	-0.036010587	0.437535473
OR5D14	cyan	-0.04943274	0.286405788	-0.029231776	0.528599235
OR5H1	cyan	-0.035273266	0.446982324	-0.023911416	0.606260289
OR5H14	cyan	-0.036810315	0.427419731	-0.019744659	0.670411241
OR5H15	cyan	-0.037261459	0.421773638	-0.013597659	0.769465637
OR5I1	cyan	-0.058453935	0.207347313	-0.051251344	0.269025614
OR5K1	cyan	-0.019786995	0.669746179	-0.007100386	0.878373552
OR5K4	cyan	0.045717604	0.324214775	0.042975747	0.354106725
OR5M1	cyan	-0.018661484	0.687513042	-0.001332429	0.977090394
OR5M10	cyan	-0.072695699	0.116686747	-0.021455406	0.643747241

OR5M3	cyan	-0.034920927	0.451537157	-0.019609818	0.672531157
OR5P2	cyan	-0.062532043	0.177328012	-0.031252184	0.500489319
OR5W2	cyan	0.003816977	0.934436138	0.014460166	0.755294614
OR6C1	cyan	-0.027773523	0.549374346	-0.012373068	0.789717176
OR6C3	cyan	-0.006551809	0.887705741	-8.43E-05	0.998550581
OR6C4	cyan	0.024781793	0.593212919	0.046965259	0.311171566
OR6C65	cyan	-0.05666646	0.221604385	-0.04179467	0.367501256
OR6C74	cyan	0.004179628	0.928222956	0.02323018	0.616560699
OR6F1	cyan	0.05585112	0.22833505	0.056238618	0.225118357
OR6K3	cyan	0.078524929	0.090073819	0.075817256	0.10175803
OR6P1	cyan	-0.011283014	0.807864184	0.011485322	0.804488096
OR8A1	cyan	-0.066781662	0.149611463	-0.056511388	0.22287348
OR8B2	cyan	-0.035852707	0.439548602	-0.009692024	0.834534097
OR8B8	cyan	-0.040831376	0.378655683	-0.011846639	0.798467534
OR8G1	cyan	-0.032221014	0.487295788	-0.007905886	0.864701517
OR8G5	cyan	-0.094457161	0.041317486	-0.070811741	0.126494578
OR8H3	cyan	-0.036806147	0.4274721	-0.020037039	0.665823536
OR8I2	cyan	-0.045970698	0.321540597	-0.051032701	0.271076133
OR8J1	cyan	-0.053429722	0.249175239	-0.031182405	0.501446808
OR8U1	cyan	-0.025314443	0.585292029	0.002118526	0.963581977
OR9G1	cyan	-0.059858113	0.1966218	-0.045140322	0.330368174
OR9I1	cyan	-0.017176147	0.711224352	-0.008846074	0.84879457
OR9K2	cyan	-0.038138044	0.410928631	-0.025369394	0.584477668
OR9Q2	cyan	-0.016706561	0.71878027	-0.001629958	0.971976627
OTOL1	cyan	-0.067425265	0.145718167	-0.065286688	0.158959598
PDHA2	cyan	0.007948181	0.863984713	0.032479358	0.483809545
PLSCR5	cyan	-0.046253622	0.318568273	-0.037750051	0.415708333
PM20D1	cyan	-0.148155333	0.001323567	-0.131906957	0.00429853
POTEB3	cyan	-0.04053636	0.382112926	-0.016284241	0.725599151
POTED	cyan	0.040960234	0.377151653	0.059192884	0.201651422
PPIAL4D	cyan	-0.013803569	0.766075336	-0.003206301	0.944907451
PPP1R3A	cyan	-0.036134403	0.435960405	-0.023503941	0.61241218
PSKH2	cyan	-0.026771429	0.563879696	0.000543596	0.990652409
PYDC2	cyan	0.003706777	0.936324962	0.014486098	0.754869802
RBP3	cyan	-0.074092705	0.109806299	-0.053740876	0.246425404
RNASE12	cyan	0.010541707	0.820265111	0.026199334	0.572242447
RNASE8	cyan	-0.089221415	0.05400855	-0.076607221	0.098231194
RNASE9	cyan	-0.029170718	0.529461034	-0.02086972	0.652826684
RP11-148	cyan	-0.150412384	0.001112965	-0.126999963	0.005991
RP11-166	cyan	-0.052656199	0.256103703	-0.00440173	0.924419885
RP11-457	cyan	-0.00236472	0.959353282	0.001999531	0.965626235
RP11-500	cyan	0.050721951	0.274008787	0.060228705	0.193859891
SCP2D1	cyan	-0.050951553	0.271839877	-0.032540123	0.482991499
SI	cyan	-0.046264258	0.318456883	-0.044770524	0.334349269
SLC17A6	cyan	-0.057970626	0.211135109	-0.044265268	0.339838277

SLC6A5	cyan	-0.058714228	0.205327822	-0.058843691	0.204328701
SLC7A13	cyan	0.014543982	0.753921799	0.04182781	0.367121181
SPACA5	cyan	-0.025455857	0.583197361	-0.010414398	0.82239939
SPANXN	cyan	0.036064769	0.436845821	0.044637923	0.335784282
SPATA31	cyan	0.002103677	0.963837056	0.006331708	0.891454457
SSX4	cyan	-0.03579116	0.440334829	-0.034238416	0.460434259
SYT10	cyan	-0.004528264	0.922254009	0.007841111	0.865799526
TAAR2	cyan	-0.017595712	0.704497132	-0.009816209	0.832445124
TAS2R16	cyan	-0.013963725	0.763441477	-0.015540754	0.73765622
TECRL	cyan	0.019180298	0.679301153	0.027538764	0.552755983
TEX33	cyan	-0.028578564	0.537855761	-0.016702072	0.718852632
TMEM17	cyan	-0.064160975	0.166284634	-0.058150632	0.209718579
TMEM78	cyan	0.047959326	0.301029832	0.061878536	0.181908331
TNP1	cyan	-0.06810125	0.141712736	-0.070000446	0.130910333
TRIM72	cyan	-0.110295329	0.017107308	-0.109766455	0.01764951
TSPY4	cyan	-0.043279305	0.350714384	-0.044751784	0.334551838
UBTFL1	cyan	-0.053332686	0.25003716	-0.032492985	0.483626021
UGT2A1	cyan	-0.077137832	0.095917391	-0.057023692	0.218700499
UGT2B28	cyan	0.002881552	0.950479921	0.025024311	0.589600436
UNC5D	cyan	-0.112531741	0.014972358	-0.088664792	0.0555308
VN1R2	cyan	-0.069250063	0.135099769	-0.06186399	0.182011268
VN1R4	cyan	-0.036827181	0.427207859	-0.024658785	0.595049079
XIRP2	cyan	-0.075960556	0.101110904	-0.06143458	0.185069464
ZNF479	cyan	-0.062156657	0.179948448	-0.055987631	0.227198149
ZNF705B	cyan	0.035158757	0.448459758	0.047290838	0.307825466
ZNF705D	cyan	0.013453824	0.771836478	0.043848286	0.344411418
ZNF705G	cyan	-0.049596046	0.284814886	-0.027197646	0.55768776
A2M	darkgreen	-0.145699478	0.001593922	-0.106626558	0.021187997
ABCB1	darkgreen	-0.2077847	5.96E-06	-0.196441345	1.91E-05
ABCG2	darkgreen	-0.247009179	6.39E-08	-0.244833325	8.39E-08
AC00933	darkgreen	-0.132506017	0.004124707	-0.164373548	0.000361211
ACKR1	darkgreen	-0.110030182	0.017377289	-0.081094305	0.080006134
ACVRL1	darkgreen	-0.123374136	0.007603287	-0.075022545	0.105406706
ADAMTS	darkgreen	0.066287939	0.152651337	0.070023711	0.130782066
ADCY4	darkgreen	-0.12062691	0.009072295	-0.09142758	0.048312534
ADPRH	darkgreen	-0.343269575	2.32E-14	-0.305116681	1.61E-11
ADRB2	darkgreen	-0.038936888	0.401190668	-0.029721986	0.521706054
APLNR	darkgreen	0.05160658	0.265716762	0.064279395	0.165502369
AQP1	darkgreen	-0.145880291	0.001572409	-0.115930088	0.012175569
ARHGAP	darkgreen	-0.163149481	0.000400146	-0.148184686	0.001320608
ARHGEF	darkgreen	-0.128196333	0.005530743	-0.116978892	0.011411082
ARHGEF	darkgreen	-0.142136272	0.002076928	-0.114642373	0.013175821
ARID5A	darkgreen	-0.224227174	9.83E-07	-0.20873479	5.39E-06
ARL15	darkgreen	0.178493007	0.000105269	0.175439402	0.000138567
BCL6B	darkgreen	-0.173704196	0.000161662	-0.166380929	0.000304917

BDKRB2 darkgreen	-0.164048396	0.000371194	-0.14782497	0.0013573
BMP8A darkgreen	-0.052453959	0.257936955	-0.047043548	0.310364784
C10orf10 darkgreen	-0.198846285	1.50E-05	-0.170616602	0.000211916
C10orf12 darkgreen	0.03236398	0.485364845	0.041412791	0.371898572
C10orf54 darkgreen	-0.23899297	1.72E-07	-0.191272414	3.17E-05
CALCRL darkgreen	-0.07879888	0.088954202	-0.060216195	0.193952657
CAPN11 darkgreen	-0.091817033	0.047361188	-0.09884206	0.032720001
CBFA2T3 darkgreen	-0.161371354	0.000463708	-0.148048806	0.001334359
CCDC69 darkgreen	-0.184824183	5.87E-05	-0.150639685	0.001093565
CCM2L darkgreen	-0.319216771	1.60E-12	-0.316063454	2.71E-12
CD34 darkgreen	-0.162574692	0.000419746	-0.148655852	0.001273928
CD93 darkgreen	-0.066538379	0.151103565	-0.054204965	0.242363505
CD97 darkgreen	-0.171720408	0.000192472	-0.131373774	0.004458777
CDH5 darkgreen	0.001385609	0.976176298	0.009111991	0.844306364
CLDN15 darkgreen	-0.113971191	0.013725344	-0.100296563	0.030228343
CLDN5 darkgreen	-0.184516119	6.04E-05	-0.150660646	0.001091792
CLEC14A darkgreen	-0.130089991	0.004866977	-0.099843893	0.030985773
CLEC1A darkgreen	-0.186797723	4.87E-05	-0.177671129	0.000113402
CLEC2B darkgreen	-0.218901206	1.79E-06	-0.182096675	7.57E-05
CLEC3B darkgreen	-0.170302351	0.000217779	-0.16083918	0.000484484
CLEC9A darkgreen	-0.186357867	5.08E-05	-0.169312175	0.000237261
CLIC2 darkgreen	-0.209202682	5.13E-06	-0.183689791	6.53E-05
COL5A3 darkgreen	-0.078331916	0.090869413	-0.047563949	0.305036975
CSPG4 darkgreen	0.016233248	0.726423982	0.012902967	0.780935766
CXorf36 darkgreen	-0.207394835	6.21E-06	-0.194578656	2.29E-05
CYGB darkgreen	0.101756052	0.027893302	0.117048999	0.011361529
CYYR1 darkgreen	-0.328470876	3.28E-13	-0.313841308	3.92E-12
DHH darkgreen	-0.036195985	0.435178229	-0.004692785	0.919438757
DLL4 darkgreen	-0.022053723	0.634526424	-0.023489509	0.612630578
DYSF darkgreen	-0.107755814	0.019850187	-0.091091424	0.049146505
ECSCR darkgreen	-0.122904587	0.00783822	-0.099641	0.031330498
EDN1 darkgreen	-0.144489036	0.001745037	-0.148820451	0.001257981
EGFL7 darkgreen	-0.16806004	0.000264234	-0.160076115	0.000515788
ELFN1 darkgreen	-0.083193524	0.072474827	-0.065216731	0.159407598
ELMO1 darkgreen	-0.108237484	0.019302308	-0.086993599	0.060316635
ELTD1 darkgreen	-0.122396539	0.008099697	-0.110578335	0.016823197
EMCN darkgreen	-0.206402452	6.89E-06	-0.19198754	2.96E-05
ENG darkgreen	-0.160503981	0.000498011	-0.114653102	0.013167196
ENPP2 darkgreen	-0.278830055	8.71E-10	-0.270914364	2.67E-09
ENTPD1 darkgreen	0.019109521	0.680419216	0.012414676	0.789026685
EPAS1 darkgreen	0.084639504	0.06763159	0.092984667	0.044602558
ERG darkgreen	-0.003653566	0.937237123	-0.013559433	0.770095499
ESAM darkgreen	-0.080194581	0.083422478	-0.055720473	0.229426896
ETS1 darkgreen	-0.059640036	0.198260432	-0.047500313	0.305685213
EXOC3L1 darkgreen	0.086678393	0.06125645	0.118385501	0.010452587

EXOC3L2	darkgreen	-0.058858125	0.204217528	-0.029325545	0.527277115
FAM110I	darkgreen	-0.161149127	0.00047228	-0.148132789	0.001325844
FAM124E	darkgreen	-0.131520746	0.004414075	-0.141983532	0.002100351
FAM167E	darkgreen	-0.051850138	0.263464335	-0.034796439	0.453152689
FAM212A	darkgreen	-0.154757709	0.000791881	-0.124702477	0.006972378
FGD5	darkgreen	-0.21771771	2.04E-06	-0.210858346	4.30E-06
FLI1	darkgreen	-0.194852747	2.23E-05	-0.168687089	0.000250387
FLT1	darkgreen	0.015075109	0.74524066	0.012278569	0.791286033
FLT4	darkgreen	-0.186676007	4.93E-05	-0.176492596	0.0001261
FOXF1	darkgreen	0.023446819	0.613276776	0.030231239	0.514594248
FOXS1	darkgreen	0.040515378	0.382359545	0.075825126	0.101722404
GIMAP1	darkgreen	-0.169596477	0.000231507	-0.140112641	0.002407525
GIMAP2	darkgreen	-0.043880714	0.344054375	-0.023022745	0.619712275
GIMAP4	darkgreen	-0.121695097	0.008473493	-0.086980108	0.060356614
GIMAP5	darkgreen	-0.160220694	0.000509716	-0.160175628	0.000511601
GIMAP6	darkgreen	-0.15012425	0.001138013	-0.124716666	0.006965899
GIMAP7	darkgreen	-0.125641906	0.006554915	-0.099294576	0.031926671
GIMAP8	darkgreen	-0.182416943	7.35E-05	-0.16259279	0.000419115
GIPC3	darkgreen	-0.117300982	0.011184988	-0.091241308	0.048773181
GJA4	darkgreen	-0.113264383	0.014325751	-0.102046317	0.027447863
GJA5	darkgreen	-0.058067568	0.210371384	-0.051323596	0.268350352
GNAI2	darkgreen	0.075974333	0.101048864	0.109673797	0.017746033
GPR116	darkgreen	-0.125495049	0.006618661	-0.111293534	0.016123533
GPR4	darkgreen	0.067195022	0.147101978	0.094341391	0.041568147
GPR85	darkgreen	-0.242847409	1.07E-07	-0.217349928	2.12E-06
GRAP	darkgreen	-0.054056508	0.243657729	-0.057884182	0.211817818
GUCY1A	darkgreen	0.12132359	0.008677632	0.112722146	0.014801894
GYPC	darkgreen	-0.221387739	1.36E-06	-0.18297045	6.98E-05
HEG1	darkgreen	-0.209914359	4.76E-06	-0.184598729	5.99E-05
HEYL	darkgreen	-0.075808214	0.101798972	-0.068804364	0.137636573
HHEX	darkgreen	-0.337878055	6.20E-14	-0.319499454	1.53E-12
HIGD1B	darkgreen	-0.098019025	0.034206077	-0.085329892	0.065414584
HOXD1	darkgreen	-0.120106954	0.009377173	-0.139487493	0.002518966
HOXD10	darkgreen	-0.130321457	0.004790977	-0.134003687	0.003717618
HOXD11	darkgreen	-0.097963384	0.034308587	-0.112783325	0.014747486
HOXD3	darkgreen	-0.146042329	0.001553357	-0.163788792	0.000379348
HOXD4	darkgreen	-0.15060659	0.00109637	-0.179913211	9.25E-05
HOXD8	darkgreen	-0.138819757	0.002643177	-0.153073261	0.000904524
HOXD9	darkgreen	-0.125786916	0.006492511	-0.133093066	0.003960562
HPCAL1	darkgreen	-0.137212686	0.002965321	-0.103672358	0.025064025
HVCN1	darkgreen	-0.264940577	6.09E-09	-0.243827065	9.51E-08
HYAL1	darkgreen	-0.146590072	0.001490511	-0.141020936	0.002253613
ICAM2	darkgreen	-0.23934433	1.65E-07	-0.211236952	4.13E-06
IFFO1	darkgreen	-0.208160796	5.73E-06	-0.167510547	0.000276953
IGFBP7	darkgreen	-0.107960009	0.019616293	-0.077432339	0.094652041



IL33	darkgreen	0.002013964	0.965378272	0.002600416	0.955305999
IL34	darkgreen	-0.16918802	0.000239816	-0.144339733	0.001764559
IL3RA	darkgreen	-0.041587975	0.369877321	-0.02040012	0.660143808
INSR	darkgreen	-0.202581562	1.02E-05	-0.202763347	1.01E-05
IRAK3	darkgreen	-0.203720331	9.11E-06	-0.196193165	1.95E-05
ITGA1	darkgreen	0.010773993	0.816374338	0.006462925	0.889219292
ITGA5	darkgreen	-0.090486789	0.050676854	-0.070355815	0.128961662
KANK3	darkgreen	-0.157808287	0.000620262	-0.134466353	0.003599429
KDR	darkgreen	-0.11663735	0.011655238	-0.114128742	0.01359457
KL	darkgreen	-0.227459622	6.78E-07	-0.236408031	2.36E-07
LHX6	darkgreen	-0.247823761	5.76E-08	-0.238450002	1.84E-07
LYL1	darkgreen	-0.2047734	8.17E-06	-0.157611578	0.000630193
MAPK11	darkgreen	0.122254156	0.008174359	0.131468855	0.004429811
MCAM	darkgreen	-0.171957317	0.000188523	-0.188637732	4.09E-05
MFNG	darkgreen	0.008942263	0.847170509	0.042163914	0.363280274
MMRN1	darkgreen	-0.201457792	1.15E-05	-0.180276517	8.95E-05
MMRN2	darkgreen	-0.165429427	0.000330493	-0.146872396	0.001459039
MYCT1	darkgreen	-0.208725775	5.40E-06	-0.197834841	1.66E-05
NOS3	darkgreen	-0.032612552	0.482017422	-0.002361487	0.959408821
NOTCH4	darkgreen	-0.081194264	0.079633679	-0.065402818	0.158218006
NOVA2	darkgreen	-0.277137434	1.11E-09	-0.270584797	2.80E-09
NRP1	darkgreen	-0.093775403	0.042812152	-0.050431815	0.276766341
OR51E1	darkgreen	0.222108764	1.25E-06	0.246797358	6.56E-08
OR51E2	darkgreen	0.101540855	0.02822754	0.093442793	0.043557739
P2RX7	darkgreen	-0.186184487	5.16E-05	-0.168216938	0.000260704
PCDH12	darkgreen	-0.088349167	0.056409687	-0.077411983	0.094739071
PCDH17	darkgreen	-0.111400872	0.016020757	-0.088337157	0.056443358
PECAM1	darkgreen	-0.067363782	0.146086721	-0.033688544	0.467672833
PLA2G4C	darkgreen	-0.255555517	2.13E-08	-0.271992118	2.30E-09
PLVAP	darkgreen	0.099005327	0.03243185	0.123635174	0.00747542
PLXND1	darkgreen	-0.1833714	6.72E-05	-0.174385321	0.000152196
PPAP2A	darkgreen	-0.051730901	0.264565395	-0.035760828	0.440722585
PPM1M	darkgreen	0.097886109	0.034451384	0.119163381	0.00995378
PPP1R16l	darkgreen	-0.15492217	0.000781609	-0.143124195	0.001931104
PRKCH	darkgreen	0.119051299	0.010024323	0.137623803	0.002879677
PTGIR	darkgreen	-0.134641454	0.003555596	-0.07193096	0.120593649
PTPRB	darkgreen	-0.092993994	0.044581079	-0.088851346	0.055016689
RAMP2	darkgreen	-0.159687249	0.000532454	-0.127497783	0.005795459
RAMP3	darkgreen	0.047978415	0.30083725	0.090308957	0.051134453
RASGRP1	darkgreen	-0.195695269	2.05E-05	-0.165293698	0.000334301
RASIP1	darkgreen	-0.155740753	0.00073229	-0.142247854	0.002059967
RBP5	darkgreen	-0.1715411	0.000195513	-0.147133426	0.001430484
RFTN1	darkgreen	-0.273238833	1.93E-09	-0.241272215	1.31E-07
RGCC	darkgreen	-0.068494699	0.139420551	-0.057701861	0.213262936
RGS5	darkgreen	-0.018383305	0.691931376	-0.020168335	0.663767429

RHOJ	darkgreen	-0.238707071	1.79E-07	-0.219443808	1.68E-06
ROBO4	darkgreen	-0.110844201	0.016560063	-0.098529101	0.033278457
S1PR1	darkgreen	-0.04765647	0.304096135	-0.050446477	0.276626538
SCARF1	darkgreen	-0.124709107	0.00696935	-0.113944973	0.013747213
SELP	darkgreen	-0.118289764	0.010515484	-0.090879245	0.049679073
SEMA3G	darkgreen	0.048077028	0.29984371	0.036343438	0.433308664
SEMA6B	darkgreen	-0.072220528	0.119102466	-0.05655812	0.222490486
SERPINE	darkgreen	0.017311646	0.709049309	0.023340215	0.614891782
SFMBT2	darkgreen	-0.132027815	0.004262937	-0.127830436	0.005668012
SH2B3	darkgreen	-0.172668918	0.000177112	-0.147951833	0.001344254
SH2D3C	darkgreen	-0.111270498	0.016145664	-0.072694023	0.116695201
SHE	darkgreen	-0.225186294	8.81E-07	-0.214668351	2.85E-06
SLC16A1	darkgreen	-0.172485604	0.000179988	-0.162385373	0.000426395
SLC2A1	darkgreen	0.038184938	0.410353159	0.046739935	0.313501247
SLC9A9	darkgreen	-0.210849333	4.31E-06	-0.19863567	1.53E-05
SOX18	darkgreen	-0.257089555	1.74E-08	-0.230576237	4.72E-07
STARD8	darkgreen	-0.195559241	2.08E-05	-0.203267332	9.55E-06
STOM	darkgreen	-0.135748232	0.003289552	-0.11023177	0.017171689
SULT1B1	darkgreen	-0.021887342	0.637084972	-0.01548915	0.738495513
TAGAP	darkgreen	-0.165305532	0.000333967	-0.134819346	0.003511559
TBXA2R	darkgreen	-0.104837788	0.023467368	-0.077504185	0.094345389
TEK	darkgreen	-0.073592702	0.112231202	-0.066134559	0.153605177
TGFB1	darkgreen	-0.147808292	0.001359023	-0.09981188	0.031039947
TGFBR2	darkgreen	-0.145409186	0.001629026	-0.145529382	0.001614406
THBD	darkgreen	-0.093688004	0.043007018	-0.098571009	0.033203207
THSD1	darkgreen	-0.027232263	0.557186302	-0.043779534	0.345169175
TIE1	darkgreen	-0.239331426	1.66E-07	-0.21137329	4.07E-06
TLR4	darkgreen	0.141237763	0.002218225	0.11221669	0.015258202
TM4SF18	darkgreen	-0.123870745	0.007361681	-0.125194946	0.006750656
TMEM20	darkgreen	-0.09697179	0.036179761	-0.070668159	0.127267537
TMEM25	darkgreen	-0.170870596	0.000207286	-0.137884855	0.00282647
TP53INP2	darkgreen	-0.021358935	0.645239171	0.009533265	0.837206372
USHBP1	darkgreen	-0.160245478	0.000508682	-0.156145286	0.000708995
VEGFC	darkgreen	-0.086065836	0.063117418	-0.080645263	0.081696755
VWF	darkgreen	-0.000790426	0.986408315	0.026790532	0.563601471
WFDC1	darkgreen	-0.002707938	0.953460041	0.022930128	0.621121679
ZNF366	darkgreen	-0.120231964	0.009303052	-0.112399081	0.015092142
ABCB7	darkgrey	-0.041201086	0.3743503	-0.043750324	0.345491441
ABHD17I	darkgrey	0.152237116	0.000965775	0.137115865	0.002985825
ADNP2	darkgrey	0.182857431	7.05E-05	0.156720346	0.000677061
ANAPC1	darkgrey	-0.128001443	0.00560348	-0.161959035	0.000441729
BAZ1B	darkgrey	0.004385308	0.92470103	-0.017619626	0.704114376
BCL7A	darkgrey	0.104801673	0.023515493	0.073008436	0.115117871
BCOR	darkgrey	0.094485455	0.04125642	0.063838301	0.168430233
BPHL	darkgrey	0.038654852	0.404612835	0.024303894	0.600361015

BRD8	darkgrey	-0.172194542	0.000184644	-0.200027566	1.33E-05
C1orf109	darkgrey	-0.07726413	0.095373111	-0.107407883	0.020254314
CAMSAP	darkgrey	0.034200653	0.460929371	0.007148988	0.877547538
CAND1	darkgrey	-0.028453046	0.539643709	-0.05794986	0.211298966
CAPRIN1	darkgrey	0.104659201	0.023706176	0.074848406	0.106219867
CCDC97	darkgrey	0.085518351	0.064819881	0.08205929	0.076468866
CDC23	darkgrey	-0.06542849	0.158054426	-0.090729197	0.050058599
CDC40	darkgrey	-0.052323825	0.259121372	-0.074597915	0.107398254
CDK5RA	darkgrey	0.069224431	0.135244676	0.038640364	0.404789093
CHAMP1	darkgrey	0.071520386	0.122732891	0.050076233	0.280171556
CHD4	darkgrey	-0.201950353	1.09E-05	-0.212989478	3.42E-06
CHERP	darkgrey	-0.138612877	0.002682778	-0.165238314	0.000335866
CLTC	darkgrey	0.125885378	0.006450443	0.111134546	0.016276825
CPSF6	darkgrey	-0.039001098	0.400413989	-0.057794146	0.212530576
CS	darkgrey	0.145799042	0.001582043	0.10374267	0.024965106
CTCF	darkgrey	0.112585809	0.014923779	0.109815732	0.017598364
CUL3	darkgrey	-0.021413468	0.644395648	-0.045407913	0.327506546
DBR1	darkgrey	-0.013859372	0.765157319	-0.017442618	0.706949166
DCAF7	darkgrey	0.048395491	0.296650028	0.030107439	0.5163185
DDX31	darkgrey	0.054514357	0.239681795	0.022016934	0.635091777
DHX15	darkgrey	0.07599126	0.100972675	0.046844828	0.31241531
DHX33	darkgrey	0.032178755	0.487867336	-0.004381173	0.924771814
DHX9	darkgrey	0.037586355	0.417734694	0.003156215	0.945766727
DIABLO	darkgrey	-0.030937597	0.504813621	-0.05630506	0.224570069
DNAJC11	darkgrey	-0.025978097	0.575492104	-0.060532321	0.19161837
DNAJC14	darkgrey	-0.06076285	0.189929171	-0.094222197	0.04182756
DSCR3	darkgrey	0.020304228	0.661641985	0.004234183	0.927288664
EIF3A	darkgrey	0.068528618	0.139224283	0.027955347	0.546762222
EPB41	darkgrey	-0.074931994	0.105828929	-0.095319352	0.039490546
EPS15L1	darkgrey	-0.087883046	0.05772873	-0.103732863	0.024978883
FAM104A	darkgrey	0.179647482	9.48E-05	0.165653776	0.000324288
FAM53C	darkgrey	-0.029388519	0.526390141	-0.066489162	0.151406788
FBXW2	darkgrey	0.022517042	0.62742464	0.011159871	0.809920934
FCF1	darkgrey	-0.106146283	0.021780285	-0.110820645	0.016583231
FIP1L1	darkgrey	0.003018992	0.948121228	-0.043774342	0.34522644
FUBP1	darkgrey	-0.063145021	0.173110104	-0.087874103	0.057754283
FUBP3	darkgrey	-0.008180129	0.86005568	-0.035220869	0.447658021
GEMIN4	darkgrey	0.074014035	0.110185067	0.059310812	0.200753044
GEMIN5	darkgrey	-0.07941617	0.086472342	-0.109048304	0.018409761
GLE1	darkgrey	0.306513703	1.29E-11	0.300541317	3.33E-11
GLOD4	darkgrey	0.171352003	0.000198768	0.158934812	0.000566131
GNAI3	darkgrey	-0.054299454	0.241542286	-0.072690984	0.116710527
GPR107	darkgrey	0.008327038	0.857568938	0.005232712	0.910206885
GRB2	darkgrey	-0.050673091	0.274471859	-0.054089011	0.243373962
GSTCD	darkgrey	0.133142754	0.003946944	0.107582452	0.020050663

GTF2H2C darkgrey	0.147389118	0.001403013	0.131850689	0.004315192
GTF3C4 darkgrey	0.031083781	0.502801749	0.005071082	0.912969281
HMGN4 darkgrey	-0.154149468	0.000830967	-0.171910409	0.000189299
HMGXB4 darkgrey	0.060553732	0.191461019	0.024876696	0.591798069
HNRNPA darkgrey	0.007564617	0.870489309	-0.029546309	0.524171055
HNRNPF darkgrey	0.279814104	7.56E-10	0.258714808	1.41E-08
HNRNPK darkgrey	0.123234708	0.007672383	0.09382579	0.042700147
HNRNPU darkgrey	-0.074917613	0.105896106	-0.09329001	0.043903867
IARS darkgrey	0.129055904	0.005219961	0.107428022	0.020230728
IDH3A darkgrey	0.068219326	0.141021826	0.043686715	0.346193869
IKBKAP darkgrey	0.109569696	0.017855025	0.061759428	0.182752479
INIP darkgrey	0.163700188	0.000382169	0.136140587	0.003199667
INTS2 darkgrey	0.038276884	0.409226196	0.015270305	0.742058252
KDM1B darkgrey	-0.023276551	0.615857139	-0.04352715	0.347959943
KDM3B darkgrey	0.085298821	0.065513061	0.052525303	0.257289205
KDM4D darkgrey	-0.155550384	0.000743495	-0.170324607	0.000217359
KHSRP darkgrey	0.218053362	1.97E-06	0.184785472	5.89E-05
KIAA019 darkgrey	-0.104834257	0.02347207	-0.141138465	0.002234368
KIAA036 darkgrey	0.167097981	0.000286876	0.135594357	0.003325425
KIF2A darkgrey	0.193407617	2.57E-05	0.162629417	0.000417842
KPNA6 darkgrey	-0.039936385	0.38920322	-0.04480322	0.333996045
LARP1 darkgrey	0.06953947	0.133471922	0.050872917	0.272581388
LSM14B darkgrey	0.00560788	0.903799169	-0.017773934	0.701646459
MAML1 darkgrey	0.023014408	0.619839096	-0.002952614	0.949260332
MAPKAP darkgrey	-0.093491995	0.043446762	-0.088714679	0.055392929
MARS2 darkgrey	0.029198392	0.529070345	0.016804364	0.717204271
MAT2A darkgrey	-0.07685398	0.097149697	-0.100270355	0.030271761
MCMBP darkgrey	0.059527877	0.199107064	0.02555515	0.581728672
MIEF1 darkgrey	-0.033598265	0.468867256	-0.047612833	0.304539641
MTMR4 darkgrey	0.005925102	0.898385993	-0.014287952	0.758117725
NAA35 darkgrey	0.158498625	0.000586548	0.133945497	0.003732729
NCBP1 darkgrey	0.159547954	0.000538544	0.136353907	0.00315174
NDE1 darkgrey	0.164657947	0.000352685	0.162641845	0.000417411
NDUFS1 darkgrey	0.101026022	0.029041151	0.095946072	0.038205869
NEK4 darkgrey	0.122256848	0.008172942	0.100843576	0.029334266
NFYA darkgrey	-0.010533432	0.8204038	-0.035569603	0.443171703
NIPA2 darkgrey	0.11770996	0.010903624	0.094035203	0.042237286
NOM1 darkgrey	0.076896005	0.09696646	0.059323585	0.200655918
NONO darkgrey	-0.019178293	0.679332818	-0.046411586	0.316916576
NUP205 darkgrey	0.024678594	0.594753218	-0.01098454	0.812851595
PALB2 darkgrey	-0.049992331	0.280979155	-0.075064012	0.105213795
PARG darkgrey	0.046949756	0.31133149	0.026328552	0.570348443
PAXIP1 darkgrey	0.155347442	0.000755615	0.118721725	0.010234329
PDCL darkgrey	0.152063494	0.000978965	0.13868164	0.002669556
PMS2 darkgrey	-0.060876732	0.189098753	-0.080944911	0.080565424

POLR1B	darkgrey	-0.129433057	0.005088634	-0.15773034	0.00062418
POLR2B	darkgrey	0.00942692	0.83899746	-0.015048281	0.745678406
POLR3B	darkgrey	-0.049692995	0.283873243	-0.074860361	0.106163885
PPP1R8	darkgrey	0.043589707	0.347266882	0.022278406	0.631078226
PPP6C	darkgrey	0.196519643	1.89E-05	0.182002532	7.63E-05
PRKDC	darkgrey	-0.103141026	0.025822532	-0.139414854	0.002532215
PSMC1	darkgrey	-0.068043297	0.142052783	-0.079556349	0.08591658
PSMD5	darkgrey	0.140969854	0.002262024	0.117972975	0.010726007
RAB14	darkgrey	0.150284693	0.001124002	0.134091433	0.003694936
RAD23B	darkgrey	0.194153121	2.39E-05	0.181410137	8.06E-05
RALBP1	darkgrey	-0.070534688	0.12798935	-0.096794005	0.036524256
RBBP4	darkgrey	0.028948369	0.532605376	-0.002142305	0.963173489
RBM12	darkgrey	-0.026359644	0.569893158	-0.047127729	0.309498821
RBM18	darkgrey	0.109758944	0.017657317	0.09485568	0.040464362
RFC1	darkgrey	0.009350892	0.840278434	-0.012850761	0.781799691
RNF20	darkgrey	0.054380544	0.24083907	0.029210459	0.528900024
RNF4	darkgrey	0.116952527	0.011429766	0.10570149	0.022341574
RNF41	darkgrey	-0.047724648	0.303404061	-0.074662712	0.107092446
RPA1	darkgrey	0.135478174	0.003352746	0.103468062	0.025353363
SART3	darkgrey	0.000789199	0.986429419	-0.030419379	0.511979591
SDAD1	darkgrey	-0.065228529	0.159331976	-0.096077796	0.037940408
SDR39U1	darkgrey	-0.013890658	0.764642769	-0.056593549	0.222200439
SLC31A1	darkgrey	0.296964597	5.81E-11	0.293168342	1.04E-10
SMC1A	darkgrey	0.101161755	0.028824718	0.081124493	0.079893505
SMC3	darkgrey	-0.011158985	0.809935746	-0.050693788	0.274275638
SMG8	darkgrey	-0.015221991	0.742845548	-0.043601262	0.347138954
SPTLC1	darkgrey	-0.020342186	0.661048788	-0.051387583	0.267753301
STAMBP	darkgrey	0.009672223	0.834867298	0.011979018	0.796264699
STK24	darkgrey	0.006839639	0.882807253	-0.013895972	0.764555387
TFDP1	darkgrey	0.140925812	0.0022693	0.123619456	0.007483065
TGS1	darkgrey	-0.156104803	0.000711295	-0.19631361	1.93E-05
THRAP3	darkgrey	0.033199943	0.47415721	0.002726328	0.953144343
TMEM16	darkgrey	-0.004590502	0.921188882	-0.02190369	0.636833398
TMEM20	darkgrey	0.037734121	0.415905269	0.001730592	0.97024724
TNPO3	darkgrey	0.051169793	0.269789188	0.035022149	0.45022594
TOR1A	darkgrey	0.144226138	0.001779546	0.133708234	0.003794919
TOR1B	darkgrey	0.129491405	0.005068585	0.120695099	0.009032973
TRIM32	darkgrey	0.1138448	0.013831054	0.103634815	0.025116982
TRIM37	darkgrey	0.090488546	0.05067235	0.054561722	0.239273098
TRMT61I	darkgrey	-0.094245279	0.041777219	-0.124113256	0.007246211
TSR1	darkgrey	0.149778179	0.001168785	0.114282648	0.013467882
UBE3C	darkgrey	0.113259694	0.01432981	0.094303503	0.041650458
UBFD1	darkgrey	-0.010672349	0.818076324	-0.009427302	0.838991015
UBQLN1	darkgrey	0.123783925	0.007403419	0.110407938	0.016993761
UBXN2B	darkgrey	-0.087158251	0.059830467	-0.122718692	0.007933007

USP32	darkgrey	-0.158046573	0.000608427	-0.184924653	5.81E-05
USP42	darkgrey	-0.07140088	0.123361086	-0.063747438	0.169038141
WBP11	darkgrey	-0.144613792	0.001728876	-0.154074352	0.000835915
WIZ	darkgrey	-0.126274856	0.006286423	-0.144452128	0.001749844
XRN2	darkgrey	-0.125854813	0.006463476	-0.156491183	0.000689624
YWHAG	darkgrey	0.078906491	0.088517475	0.065789593	0.155766952
YWHAQ	darkgrey	-0.027119031	0.558827366	-0.047587224	0.304800114
ZBTB5	darkgrey	-0.008319707	0.857692983	-0.024507261	0.597314435
ZBTB6	darkgrey	0.02082489	0.653523785	0.005889558	0.898992299
ZC3H18	darkgrey	0.162214088	0.000432495	0.15571671	0.000733696
ZNF207	darkgrey	0.09711805	0.035898428	0.087935777	0.05757824
A2ML1	darkmagent	0.159256924	0.000551479	0.1532148	0.000894517
C15orf62	darkmagent	0.176248594	0.000128891	0.178316093	0.000106972
C1orf204	darkmagent	-0.02251776	0.627413652	-0.03613965	0.43589372
C1orf68	darkmagent	0.01837868	0.692004925	0.012418529	0.788962744
C6orf15	darkmagent	0.181276241	8.16E-05	0.166327112	0.000306312
CALML5	darkmagent	0.049097673	0.289688653	0.044519335	0.337070983
CCL24	darkmagent	0.218936797	1.78E-06	0.217502943	2.09E-06
CCR3	darkmagent	0.035438492	0.444855384	-0.010659251	0.818295702
CDSN	darkmagent	0.081352025	0.079048703	0.111660833	0.01577422
CRCT1	darkmagent	0.069170758	0.135548496	0.066340537	0.152325278
CYP4F22	darkmagent	0.04194673	0.365759325	0.055653239	0.229990231
DSG1	darkmagent	0.151946526	0.000987944	0.127785747	0.005684985
DSG3	darkmagent	0.171564967	0.000195105	0.140587435	0.002325913
DSG4	darkmagent	0.118084	0.010651803	0.101857841	0.027736395
ENDOU	darkmagent	0.022955259	0.620739111	0.010650278	0.818446001
FABP4	darkmagent	0.146972142	0.001448066	0.113210972	0.014372046
FABP9	darkmagent	0.095678767	0.038749404	0.099361886	0.031810083
FAM25A	darkmagent	0.199216303	1.44E-05	0.166883504	0.000292165
FGFBP1	darkmagent	0.250983921	3.85E-08	0.2658173	5.40E-09
GJB2	darkmagent	0.237781819	2.00E-07	0.251110599	3.79E-08
GJB6	darkmagent	0.098277491	0.033733317	0.075590473	0.102788864
GPR87	darkmagent	0.073604365	0.11217416	0.069072898	0.136103799
GRHL3	darkmagent	0.058223508	0.209147049	0.050281115	0.278206061
IL1RN	darkmagent	-0.013912176	0.764288941	0.01984945	0.668765559
IL36RN	darkmagent	-0.00802519	0.862679858	0.000962349	0.983452416
IVL	darkmagent	0.185671778	5.42E-05	0.167816723	0.000269797
KPRP	darkmagent	0.075223174	0.104475954	0.070343482	0.129028911
KRT1	darkmagent	0.079939141	0.084413589	0.071745815	0.121554694
KRT13	darkmagent	0.071645804	0.12207631	0.082624515	0.074456695
KRT14	darkmagent	0.058455701	0.207333563	0.052522006	0.257319122
KRT16	darkmagent	0.231245044	4.36E-07	0.208581296	5.48E-06
KRT17	darkmagent	-0.006329974	0.891483998	-0.003165507	0.945607296
KRT25	darkmagent	0.052266334	0.259645821	0.042077555	0.364264768
KRT27	darkmagent	0.098939323	0.032548079	0.109044062	0.018414335

KRT28	darkmagent	0.034147105	0.461631945	0.035238705	0.44742795
KRT5	darkmagent	0.061414308	0.18521477	0.05444016	0.240323003
KRT6A	darkmagent	0.192642635	2.77E-05	0.183067982	6.91E-05
KRT6B	darkmagent	0.13346266	0.003860276	0.121267274	0.008708957
KRT6C	darkmagent	0.122948328	0.007816064	0.094671515	0.040856742
KRT71	darkmagent	0.03245615	0.484122174	0.089921394	0.052143688
KRT77	darkmagent	0.040098805	0.387275965	0.070816883	0.126466961
KRT78	darkmagent	0.127174455	0.005921796	0.133891433	0.003746818
KRT9	darkmagent	0.163865121	0.000376933	0.125329428	0.006691218
KRTAP3-	darkmagent	0.089293092	0.053815075	0.101280986	0.028635741
LCE1A	darkmagent	0.090162235	0.051514589	0.092486126	0.045763415
LCE2B	darkmagent	0.027965703	0.546613643	0.043424472	0.349099398
LCE3D	darkmagent	0.077770897	0.093213941	0.07652224	0.098605862
LCE3E	darkmagent	0.102622568	0.026581652	0.092689033	0.045287919
LIPK	darkmagent	0.146047379	0.001552766	0.139956526	0.002434925
LY6D	darkmagent	0.032096366	0.488982687	0.052897921	0.253924412
LYPD3	darkmagent	0.0682701	0.140725528	0.037979435	0.412878607
MANSC4	darkmagent	-0.020274409	0.662108146	-0.026097222	0.573741242
MT4	darkmagent	0.212652386	3.55E-06	0.177801468	0.000112074
NCCRP1	darkmagent	-0.098336951	0.03362535	-0.072968513	0.115317224
PGLYRP3	darkmagent	0.112274968	0.015204969	0.107847731	0.019744602
PGLYRP4	darkmagent	0.030420742	0.511960685	0.036242687	0.434585587
PI3	darkmagent	0.076735464	0.097667941	0.080197539	0.083411057
PKP1	darkmagent	0.085053072	0.066296239	0.071489162	0.122896783
PLA2G4E	darkmagent	0.066016454	0.154342728	0.068186072	0.141216147
PRSS27	darkmagent	0.007718442	0.867879625	0.039314607	0.396634759
PSORS1C	darkmagent	0.108762419	0.018720265	0.093731433	0.042910096
RAET1L	darkmagent	0.23333111	3.41E-07	0.227990166	6.38E-07
RHCG	darkmagent	0.019344425	0.676711134	0.00923131	0.842294103
RNASE7	darkmagent	0.170778353	0.000208956	0.183197782	6.83E-05
RPTN	darkmagent	0.183734644	6.50E-05	0.149269659	0.001215393
S100A12	darkmagent	0.021140304	0.648625557	0.025652174	0.580295222
S100A2	darkmagent	0.085546903	0.064730172	0.120149433	0.009351928
S100A3	darkmagent	0.133882261	0.003749213	0.141067363	0.002245993
S100A7	darkmagent	0.11033141	0.017070854	0.113707268	0.013946894
S100A7A	darkmagent	0.011523959	0.803843724	0.018645752	0.687762629
S100A8	darkmagent	0.117229846	0.011234579	0.120733715	0.009010773
S100A9	darkmagent	0.09251618	0.045692724	0.099749358	0.031145986
S100P	darkmagent	0.242016808	1.19E-07	0.276275598	1.26E-09
SBSN	darkmagent	0.096931346	0.036257886	0.093775927	0.042810987
SDR9C7	darkmagent	0.05324408	0.250826011	0.006453617	0.88937782
SERPINB	darkmagent	0.144079003	0.001799132	0.111799996	0.015643616
SERPINB	darkmagent	0.09913355	0.03220707	0.055532443	0.231004796
SERPINB	darkmagent	0.089944902	0.052082003	0.074408118	0.108297972
SERPINB	darkmagent	0.115337839	0.012626961	0.104285381	0.02421286

SLC6A14	darkmagent	0.294363233	8.67E-11	0.285875341	3.11E-10
SLURP1	darkmagent	0.054057299	0.243650816	0.071902511	0.120740937
SPINK13	darkmagent	0.188745546	4.05E-05	0.192290423	2.87E-05
SPINK5	darkmagent	0.201144411	1.19E-05	0.183692344	6.52E-05
SPINK6	darkmagent	0.18012136	9.07E-05	0.130682	0.004674726
SPINK7	darkmagent	0.142123186	0.002078925	0.112308938	0.015174015
SPINK9	darkmagent	0.123002794	0.007788554	0.092779922	0.045076278
SPRR1A	darkmagent	0.202046832	1.08E-05	0.180125945	9.07E-05
SPRR1B	darkmagent	0.213624496	3.19E-06	0.188435405	4.17E-05
SPRR2A	darkmagent	0.15745556	0.000638174	0.132639914	0.004086735
SPRR2B	darkmagent	0.119804585	0.009558628	0.069038879	0.13629725
SPRR2D	darkmagent	0.224591248	9.43E-07	0.195503855	2.09E-05
SPRR2E	darkmagent	0.157180198	0.000652489	0.125582949	0.006580439
SPRR2F	darkmagent	0.119026314	0.010040109	0.078194057	0.091441106
SPRR2G	darkmagent	0.084582827	0.067816299	0.072188218	0.119268136
SPRR3	darkmagent	0.193957724	2.44E-05	0.179254094	9.82E-05
SPTSSB	darkmagent	0.224830777	9.17E-07	0.206837381	6.59E-06
TCHH	darkmagent	0.050198	0.279002281	0.060466865	0.192100003
TCHHL1	darkmagent	0.099909894	0.030874336	0.067289881	0.146530648
TGM6	darkmagent	0.08445357	0.068239088	0.079372332	0.086646739
TMPRSS	darkmagent	0.119875699	0.009515673	0.130733012	0.004658485
TNS4	darkmagent	0.266167226	5.15E-09	0.273797418	1.78E-09
TRIM29	darkmagent	-0.077532494	0.094224779	-0.083816899	0.070353233
VSIG8	darkmagent	0.144307784	0.001768762	0.125593277	0.006575962
XKRX	darkmagent	0.201485066	1.15E-05	0.17962359	9.50E-05
ZNF750	darkmagent	0.263933221	6.98E-09	0.236452975	2.35E-07
ABCB10	darkolivegr	0.174351252	0.000152657	0.143553738	0.001870673
ABL2	darkolivegr	0.06003605	0.195292125	0.032512355	0.483365235
ACBD3	darkolivegr	0.097486845	0.035197285	0.070131786	0.130187492
ADIPOR1	darkolivegr	0.287577504	2.42E-10	0.281919346	5.57E-10
ALDH9A	darkolivegr	0.346863916	1.20E-14	0.31396615	3.84E-12
ANGEL2	darkolivegr	0.077167233	0.095790469	0.04746821	0.306012581
ARHGEF	darkolivegr	0.161305964	0.000466215	0.138290012	0.002745661
ARHGEF	darkolivegr	-0.006104076	0.895333986	-0.04562863	0.32515829
ARID4B	darkolivegr	0.063892249	0.168070076	0.042661518	0.357640008
ATF6	darkolivegr	0.046891656	0.311931314	0.013654038	0.768536923
ATP1B1	darkolivegr	0.05520603	0.233762198	0.036612573	0.429908246
BLZF1	darkolivegr	0.020869953	0.652823062	-0.001674982	0.971202867
BROX	darkolivegr	0.154526936	0.000806506	0.15108946	0.001056092
C1orf198	darkolivegr	0.115485518	0.012513045	0.100980868	0.029113459
C1orf27	darkolivegr	0.149355043	0.001207449	0.114439983	0.013339446
CAMSAP	darkolivegr	-0.038893253	0.401718993	-0.071292243	0.12393431
CD46	darkolivegr	0.162605492	0.000418673	0.139180456	0.002575404
CDC42B	darkolivegr	0.08742375	0.059053355	0.055374814	0.23233349
CDC42SE	darkolivegr	0.086423651	0.062024788	0.061490908	0.18466616



CDC73	darkolivegr	0.142625044	0.002003568	0.117012736	0.011387136
CEP170	darkolivegr	0.058421386	0.207600856	0.016710993	0.71870883
CEP350	darkolivegr	0.085705521	0.064233659	0.056992763	0.218950838
CNST	darkolivegr	0.019759342	0.670180546	-0.013669858	0.768276381
COPA	darkolivegr	0.160867129	0.000483371	0.137081452	0.002993144
DCAF6	darkolivegr	0.117212903	0.011246419	0.083230647	0.072347036
DCAF8	darkolivegr	-0.052488265	0.25762534	-0.083581337	0.071148896
DDX59	darkolivegr	0.123132776	0.007723251	0.090554053	0.050504663
DENND1	darkolivegr	0.251911637	3.42E-08	0.239682333	1.59E-07
DESI2	darkolivegr	0.136383214	0.003145206	0.115864937	0.012224518
DIEXF	darkolivegr	-0.031734143	0.493902493	-0.061095215	0.187513056
DISC1	darkolivegr	0.102971554	0.02606859	0.114771339	0.01307248
DISP1	darkolivegr	0.128722317	0.005338653	0.102755367	0.026385401
EDEM3	darkolivegr	0.137963917	0.002810533	0.109763927	0.017652137
EGLN1	darkolivegr	0.084287897	0.068784151	0.072805233	0.116135364
ENAH	darkolivegr	0.161916543	0.000443285	0.126496666	0.006194695
ESRRG	darkolivegr	0.041144016	0.375012915	0.05123795	0.26915093
ETV6	darkolivegr	0.142719277	0.0019897	0.151650034	0.001011046
EXOC8	darkolivegr	-0.004810808	0.917419791	-0.013810414	0.765962712
FAM20B	darkolivegr	-0.018986492	0.682364374	-0.056118637	0.226110873
FBXO28	darkolivegr	0.120085517	0.009389936	0.093133046	0.044261875
FMO5	darkolivegr	0.317706284	2.06E-12	0.281506381	5.91E-10
GLUL	darkolivegr	0.14626388	0.00152765	0.13023612	0.004818871
GOLPH3	darkolivegr	0.086140849	0.062887055	0.073789242	0.111273049
GON4L	darkolivegr	-0.075023369	0.105402868	-0.118198392	0.010575826
GORAB	darkolivegr	0.163110954	0.000401432	0.13302432	0.003979473
GPATCH	darkolivegr	0.123056929	0.007761297	0.1055044	0.022594265
INTS3	darkolivegr	-0.031461596	0.49762164	-0.08084088	0.080956749
IRF2BP2	darkolivegr	0.065636644	0.15673276	0.058294824	0.208588836
IVNS1A	darkolivegr	0.209942353	4.74E-06	0.172448736	0.000180572
KCTD3	darkolivegr	0.102014052	0.027497073	0.07681792	0.097307148
KDM5B	darkolivegr	0.16448501	0.000357847	0.145742446	0.001588785
KIFAP3	darkolivegr	0.172397789	0.000181381	0.139545625	0.002508408
KLHL12	darkolivegr	0.265230192	5.85E-09	0.241043693	1.34E-07
LGALS8	darkolivegr	0.170176234	0.000220175	0.178256103	0.000107555
LPGAT1	darkolivegr	0.195463673	2.10E-05	0.194130984	2.40E-05
MARK1	darkolivegr	0.115787305	0.012283069	0.092345561	0.04609527
MDM4	darkolivegr	0.047205334	0.308701914	0.03171755	0.494128496
MIA3	darkolivegr	0.169738275	0.000228686	0.159406143	0.000544811
MPZL1	darkolivegr	0.300271162	3.47E-11	0.273546345	1.85E-09
MR1	darkolivegr	0.086844483	0.060759743	0.090061168	0.051777811
NAV1	darkolivegr	0.087989735	0.057424585	0.088206486	0.056810766
NBPF9	darkolivegr	0.154814381	0.000788327	0.110814174	0.0165896
NCSTN	darkolivegr	0.239682798	1.59E-07	0.211155341	4.17E-06
NUCKS1	darkolivegr	-0.002595592	0.955388817	-0.029929174	0.518806567

OTUD7B darkolivegr	0.114869541	0.012994271	0.09065438	0.050248741
PCNXL2 darkolivegr	0.028094394	0.544768806	0.002537143	0.956392396
PDE4DIP darkolivegr	0.091915784	0.047122473	0.0751173	0.104966307
PFKFB2 darkolivegr	0.291678282	1.30E-10	0.291401885	1.36E-10
PGBD2 darkolivegr	0.156854861	0.000669786	0.12578483	0.006493405
PIP5K1A darkolivegr	0.028992202	0.531984774	-0.013372388	0.773179735
POGK darkolivegr	0.041535473	0.370482367	0.003840429	0.934034219
POGZ darkolivegr	-0.054421842	0.240481488	-0.095302428	0.039525739
PPP1R15Idarkolivegr	0.012938598	0.780346271	-0.014401898	0.756249441
PPP2R5A darkolivegr	0.13531948	0.003390392	0.123444466	0.007568646
RAB29 darkolivegr	-0.106805943	0.020970389	-0.128229531	0.005518438
RAB3GA darkolivegr	0.099924288	0.030850078	0.069955812	0.131156687
RABGAP darkolivegr	0.232071363	3.96E-07	0.211234015	4.13E-06
RASAL2 darkolivegr	0.115022096	0.012873593	0.078820249	0.088867342
RBBP5 darkolivegr	0.063797679	0.168701805	0.038366852	0.40812525
RC3H1 darkolivegr	0.000377861	0.993502296	-0.002061528	0.964561123
RCOR3 darkolivegr	0.030317127	0.513399765	-0.002535983	0.956412297
RIT1 darkolivegr	0.080726426	0.081389058	0.070563116	0.127835344
RNF115 darkolivegr	-0.026419952	0.569010556	-0.058975922	0.203311861
RNF2 darkolivegr	0.013549389	0.770261035	-0.02165607	0.640648569
RPS6KC1darkolivegr	-0.000461275	0.992067949	-0.029582247	0.523666315
SCYL3 darkolivegr	0.194581576	2.29E-05	0.147077754	0.001436531
SDCCAG darkolivegr	0.126733976	0.006097888	0.09280997	0.045006491
SDE2 darkolivegr	0.072139684	0.119517331	0.04665339	0.314399098
SHC1 darkolivegr	-0.010872925	0.814718601	-0.032401141	0.484863622
SIPA1L2 darkolivegr	0.34654115	1.27E-14	0.314268052	3.65E-12
SLC30A1 darkolivegr	0.242820174	1.08E-07	0.211059639	4.21E-06
SMG7 darkolivegr	0.097976411	0.034284562	0.07420182	0.109282639
SPRTN darkolivegr	0.152280083	0.000962537	0.143152914	0.001927008
SRGAP2 darkolivegr	0.014953399	0.747227183	-0.02500844	0.58983654
SUCO darkolivegr	0.100503194	0.029887905	0.058551421	0.206589291
SWT1 darkolivegr	0.050527911	0.27585093	0.016172541	0.727406334
TADA1 darkolivegr	0.073830583	0.111072332	0.029187427	0.529225118
TAF5L darkolivegr	0.161926742	0.000442911	0.145072871	0.001670582
TOR1AIP darkolivegr	0.107327726	0.020348425	0.070803056	0.126541228
TOR1AIP darkolivegr	0.090178169	0.051473193	0.088807779	0.055136398
TP53BP2 darkolivegr	-0.042851104	0.355505609	-0.073333067	0.113506868
TRAF5 darkolivegr	0.159760207	0.000529289	0.123017609	0.007781086
TROVE2 darkolivegr	0.079948706	0.084376305	0.058809467	0.204592481
TUFT1 darkolivegr	0.116631613	0.011659378	0.095291204	0.039549093
UAP1 darkolivegr	0.280717914	6.63E-10	0.24267377	1.10E-07
UBAP2L darkolivegr	0.073365596	0.113346422	0.057029419	0.218654173
UHMK1 darkolivegr	0.164598271	0.000354459	0.145330823	0.001638623
VAMP4 darkolivegr	0.068707634	0.138191938	0.040692838	0.380276781
WDR26 darkolivegr	0.062487693	0.177636124	0.05355682	0.248049441

XPR1	darkolivegr	0.105959793	0.022014112	0.079369986	0.086656078
YOD1	darkolivegr	0.140305539	0.002374058	0.122036975	0.008289428
YY1AP1	darkolivegr	0.120709895	0.009024461	0.094463931	0.041302866
ZBTB37	darkolivegr	0.033714934	0.467323995	0.014237767	0.758941006
ZBTB41	darkolivegr	0.150085341	0.001141435	0.120623557	0.009074232
ZC3H11A	darkolivegr	0.116428625	0.011806712	0.072957365	0.115372938
ZNF124	darkolivegr	0.082176043	0.076049648	0.068430651	0.139791735
ZNF281	darkolivegr	0.009551889	0.836892796	-0.018499132	0.690090413
ZNF669	darkolivegr	0.094347466	0.041554961	0.091305592	0.048613793
ZNF678	darkolivegr	0.041657866	0.369072829	0.013912532	0.764283077
ALDH3B1	darkorange	0.20208551	1.08E-05	0.200097032	1.32E-05
AP1M2	darkorange	0.190547607	3.40E-05	0.212471378	3.62E-06
ARHGAP	darkorange	0.288846581	2.00E-10	0.283153781	4.65E-10
ARHGEF	darkorange	0.269108459	3.44E-09	0.265613807	5.56E-09
BCR	darkorange	0.123849224	0.007372007	0.14738991	0.001402928
BSPRY	darkorange	0.398917228	2.89E-19	0.41232134	1.36E-20
C1orf106	darkorange	-0.105652789	0.022403784	-0.094239551	0.041789708
C1orf210	darkorange	0.12621488	0.006311435	0.131127781	0.004534513
C6orf132	darkorange	-0.117792776	0.010847418	-0.095891836	0.038315625
CAMSAP	darkorange	0.256529262	1.87E-08	0.264892777	6.13E-09
CAPN1	darkorange	0.116779528	0.011553044	0.140262126	0.002381553
CBLC	darkorange	0.066546486	0.151053662	0.089596642	0.053002097
CCDC64	darkorange	0.229754295	5.19E-07	0.241415446	1.28E-07
CD24	darkorange	0.150428567	0.001111573	0.163680892	0.000382786
CD82	darkorange	0.093390712	0.043675468	0.125676224	0.006540098
CD9	darkorange	0.010784699	0.816195132	-0.00116281	0.980006154
CDC42B	darkorange	0.188412304	4.18E-05	0.206931074	6.52E-06
CDCP1	darkorange	0.25638894	1.91E-08	0.265190436	5.89E-09
CDH1	darkorange	0.241900931	1.21E-07	0.267313498	4.40E-09
CELSR1	darkorange	0.098206379	0.03386283	0.101108273	0.028909831
CELSR2	darkorange	0.005373889	0.907794934	-0.004610613	0.920844751
CGN	darkorange	-0.045953051	0.321726586	-0.058360713	0.208074062
CHMP4C	darkorange	0.101966774	0.027569317	0.079589358	0.085786134
CLDN3	darkorange	0.037761715	0.415564175	0.049942518	0.281459375
CLDN4	darkorange	0.080950951	0.080542749	0.096914314	0.03629083
CLDN7	darkorange	0.167481298	0.000277646	0.183953126	6.37E-05
CNDP2	darkorange	0.193255816	2.61E-05	0.215278602	2.67E-06
CNKSR1	darkorange	0.101865163	0.027725137	0.111833412	0.015612396
CORO2A	darkorange	0.182265409	7.45E-05	0.205381621	7.67E-06
CRB3	darkorange	0.259508867	1.26E-08	0.285903781	3.10E-10
DDR1	darkorange	0.016672582	0.719328085	0.019377263	0.676193386
EFNA1	darkorange	0.043895322	0.343893611	0.025332809	0.585019793
ELF3	darkorange	0.103427582	0.025411035	0.111983344	0.015472992
ELMO3	darkorange	0.087211978	0.059672532	0.11931687	0.009857893
EPCAM	darkorange	0.134497158	0.003591682	0.145733262	0.001589882

EPHA1	darkorange	0.148619951	0.00127743	0.155913722	0.000722244
EPN3	darkorange	0.265208099	5.87E-09	0.271478775	2.47E-09
EPS8L1	darkorange	-0.044162562	0.340961065	-0.014783908	0.749996365
EPS8L2	darkorange	0.095586495	0.038938544	0.101669522	0.028027287
ERBB3	darkorange	0.065226987	0.159341857	0.062450829	0.177892526
ESRP1	darkorange	0.044541323	0.336832166	0.052981987	0.253169518
ESRP2	darkorange	0.182562769	7.25E-05	0.215647773	2.56E-06
EVPL	darkorange	0.144481065	0.001746074	0.163887012	0.000376243
F11R	darkorange	0.222217302	1.23E-06	0.229218148	5.53E-07
F2RL1	darkorange	0.168700366	0.000250101	0.168917263	0.000245477
FAM129E	darkorange	0.250448859	4.13E-08	0.274743047	1.56E-09
FAM83E	darkorange	0.093042347	0.044469863	0.125918607	0.006436301
FAM83H	darkorange	0.14183256	0.002123741	0.159478201	0.000541618
FUT2	darkorange	0.26301699	7.90E-09	0.281858998	5.62E-10
FXYD3	darkorange	0.192394823	2.84E-05	0.218918075	1.79E-06
GGT6	darkorange	0.063988982	0.167425725	0.075846818	0.101624262
GPR39	darkorange	0.104950305	0.023317982	0.122912237	0.007834341
GPR56	darkorange	0.075489464	0.103250654	0.09395938	0.042404386
GRHL2	darkorange	0.262915712	8.01E-09	0.257970857	1.55E-08
GYLTL1	darkorange	0.277778619	1.01E-09	0.238948077	1.73E-07
ICA1	darkorange	0.218678327	1.83E-06	0.206549344	6.79E-06
ILDR1	darkorange	0.184430886	6.09E-05	0.208388895	5.59E-06
IRF6	darkorange	0.2218743	1.28E-06	0.209212619	5.13E-06
ITGA3	darkorange	-0.152274709	0.000962941	-0.137323566	0.002941997
JUP	darkorange	0.045111664	0.330675593	0.06560583	0.156927883
KDF1	darkorange	0.170429089	0.000215397	0.190708198	3.35E-05
KIAA152	darkorange	0.039172606	0.398343855	0.06234766	0.178611561
KLF5	darkorange	0.13392671	0.003737619	0.14312817	0.001930536
KRT18	darkorange	0.198841505	1.50E-05	0.232758446	3.65E-07
KRT19	darkorange	0.03915488	0.398557519	0.060802931	0.189636601
KRT8	darkorange	0.162194545	0.000433196	0.196092265	1.97E-05
KRT80	darkorange	0.013383555	0.772995488	0.015817827	0.733155235
KRTCAP	darkorange	0.085653365	0.064396573	0.106209546	0.021701455
LAD1	darkorange	0.282370244	5.21E-10	0.296397951	6.34E-11
LAMB3	darkorange	-0.012482319	0.787904465	0.006554954	0.887652186
LAMC2	darkorange	0.205536809	7.55E-06	0.208339274	5.62E-06
LCN2	darkorange	0.0947999	0.040582868	0.123053077	0.007763233
LLGL2	darkorange	0.195395359	2.12E-05	0.210028491	4.70E-06
LRG1	darkorange	0.130951896	0.004589375	0.152627394	0.000936724
LSR	darkorange	0.057058326	0.21842042	0.086585992	0.061534232
LZTS3	darkorange	-0.046868977	0.31216565	-0.057899039	0.211700369
MAL2	darkorange	-0.087292653	0.059436025	-0.095808015	0.038485781
MAP7	darkorange	0.091901574	0.047156762	0.098843656	0.032717175
MAPK13	darkorange	0.199310208	1.43E-05	0.210277698	4.58E-06
MARVEL	darkorange	0.293399478	1.00E-10	0.314589103	3.46E-12

MARVEL	darkorange	0.261550056	9.63E-09	0.284107381	4.04E-10
MISP	darkorange	0.034422234	0.458028464	0.063976892	0.167506159
MPZL3	darkorange	0.165878374	0.000318186	0.170380061	0.000216315
MUC1	darkorange	0.039379415	0.395856201	0.05384245	0.245532353
MUC20	darkorange	-0.14830241	0.001308799	-0.125559991	0.006590403
MYH14	darkorange	-0.000343094	0.994100127	0.013368839	0.773238293
MYO5B	darkorange	0.1327417	0.004058082	0.129829394	0.004953842
OVOL2	darkorange	0.195392973	2.12E-05	0.210927392	4.27E-06
PDZK1IP	darkorange	0.074387027	0.108398316	0.091955438	0.047026901
PERP	darkorange	0.274365661	1.65E-09	0.299239828	4.08E-11
PKP3	darkorange	0.196041235	1.98E-05	0.213412732	3.27E-06
PPL	darkorange	-0.007619463	0.869558672	0.004156009	0.928627487
PPP1R13I	darkorange	0.262079063	8.97E-09	0.27427206	1.67E-09
PROM2	darkorange	0.155613362	0.000739771	0.151898301	0.000991668
PRR15	darkorange	0.2583464	1.48E-08	0.247004069	6.39E-08
PRR15L	darkorange	0.202119274	1.07E-05	0.219186568	1.73E-06
PRRG2	darkorange	0.247174156	6.26E-08	0.255820115	2.06E-08
PRSS22	darkorange	0.016767827	0.71779289	0.017746468	0.70208551
PRSS8	darkorange	0.170054514	0.00022251	0.185032362	5.75E-05
PSD4	darkorange	0.09563701	0.038834902	0.109302979	0.018136948
PTPN3	darkorange	0.346980335	1.17E-14	0.331120375	2.06E-13
PTPRF	darkorange	0.115103539	0.012809573	0.101268866	0.0286549
PVRL4	darkorange	0.222479615	1.20E-06	0.220054474	1.57E-06
RAB25	darkorange	0.213956155	3.08E-06	0.227240286	6.96E-07
RAB3D	darkorange	0.184722137	5.92E-05	0.188217545	4.26E-05
RAP1GAI	darkorange	0.255126186	2.25E-08	0.258084688	1.53E-08
RBBP8NI	darkorange	0.152579868	0.000940218	0.157514628	0.000635142
RIPK4	darkorange	0.076038161	0.100761816	0.079916458	0.084502055
SCNN1A	darkorange	0.089784646	0.052503728	0.119275989	0.009883351
SEL1L3	darkorange	0.314952319	3.26E-12	0.327698582	3.75E-13
SEMA4B	darkorange	0.242913866	1.07E-07	0.243249278	1.02E-07
SGPP2	darkorange	0.107587427	0.020044886	0.107099882	0.020618014
SH2D3A	darkorange	0.138158405	0.002771676	0.144390326	0.001757921
SLC34A2	darkorange	-0.009200275	0.842817404	-0.003016047	0.948171766
SLC37A1	darkorange	0.32550264	5.49E-13	0.338119034	5.93E-14
SLC52A3	darkorange	0.085815165	0.063892279	0.095552326	0.039008781
SLPI	darkorange	0.093063532	0.044421208	0.128047419	0.005586244
SMPDL3I	darkorange	0.142350459	0.002044483	0.152112257	0.000975244
SPACA4	darkorange	0.128756479	0.005326388	0.161667611	0.000452504
SPINT1	darkorange	0.237320144	2.11E-07	0.256994111	1.76E-08
SPINT2	darkorange	0.065799865	0.155702254	0.077905774	0.092645912
ST14	darkorange	0.176221002	0.00012921	0.194703483	2.27E-05
STXBP2	darkorange	0.294194305	8.90E-11	0.328032598	3.54E-13
SYNE4	darkorange	0.159520247	0.000539763	0.15130224	0.00103878
SYNGR2	darkorange	0.128295313	0.005494127	0.158456317	0.000588564

SYTL1	darkorange	0.400566945	2.00E-19	0.423723411	9.01E-22
TACSTD1	darkorange	0.123512632	0.007535205	0.137955667	0.002812192
TAGLN2	darkorange	0.223691906	1.04E-06	0.24735351	6.11E-08
TJP3	darkorange	0.393918791	8.74E-19	0.408871097	3.02E-20
TMC4	darkorange	0.164921443	0.000344954	0.173750263	0.000161004
TMEM10	darkorange	0.222958667	1.14E-06	0.226397403	7.66E-07
TMEM12	darkorange	0.069828993	0.131858604	0.095592284	0.038926655
TMEM13	darkorange	0.063529333	0.170504044	0.06999869	0.130920018
TMEM18	darkorange	0.234376511	3.01E-07	0.233929808	3.17E-07
TMEM30	darkorange	-0.017038769	0.71343196	0.002428764	0.958253435
TNK1	darkorange	0.314833419	3.33E-12	0.317336698	2.19E-12
TSPAN15	darkorange	0.125335829	0.0066884	0.139453839	0.002525097
TSTD1	darkorange	0.216197138	2.41E-06	0.235299155	2.69E-07
USP43	darkorange	0.290186149	1.63E-10	0.26003285	1.18E-08
VAMP8	darkorange	0.075087987	0.105102391	0.122481674	0.008055344
VTCN1	darkorange	-0.026909165	0.56187511	-0.01868947	0.687069131
WFDC2	darkorange	0.03026031	0.514189777	0.067412044	0.145797361
WWC1	darkorange	0.093738814	0.042893642	0.103786404	0.024903747
YIPF2	darkorange	-0.002537244	0.956390645	0.002884902	0.950422434
ZBTB42	darkorange	0.044009099	0.342643125	0.038604397	0.405226874
ZBTB7B	darkorange	0.264543325	6.43E-09	0.256985831	1.77E-08
ZFP28	darkorange	-0.176099404	0.000130626	-0.204891777	8.07E-06
ZNF112	darkorange	-0.070872533	0.126168408	-0.088816333	0.055112877
ZNF134	darkorange	-0.09879524	0.032803037	-0.122566894	0.008011165
ZNF155	darkorange	0.040430497	0.383358203	0.00214089	0.963197791
ZNF17	darkorange	-0.223168469	1.11E-06	-0.235573852	2.61E-07
ZNF180	darkorange	-0.090017308	0.051892389	-0.120678658	0.00904244
ZNF211	darkorange	-0.035027367	0.450158406	-0.044449056	0.337835016
ZNF222	darkorange	-0.045262354	0.32906116	-0.065340692	0.158614411
ZNF223	darkorange	-0.131717292	0.004354927	-0.153204214	0.000895262
ZNF225	darkorange	0.007314287	0.874739226	-0.015578129	0.737048544
ZNF226	darkorange	0.032512462	0.483363787	0.025432558	0.583542223
ZNF227	darkorange	-0.041332498	0.372827266	-0.063876027	0.168178313
ZNF230	darkorange	-0.011729756	0.800413849	-0.032091675	0.489046233
ZNF234	darkorange	-0.027424244	0.554409294	-0.041859257	0.366760756
ZNF235	darkorange	-0.103677482	0.025056804	-0.121528018	0.008564766
ZNF256	darkorange	-0.181363759	8.10E-05	-0.16981049	0.000227262
ZNF283	darkorange	0.002049876	0.964761309	-0.01233213	0.790396731
ZNF284	darkorange	0.020174944	0.663663993	-0.001398923	0.975947444
ZNF304	darkorange	-0.143559222	0.001869913	-0.154155903	0.000830544
ZNF329	darkorange	0.043149617	0.35216117	0.025750638	0.57884219
ZNF347	darkorange	0.039481194	0.394635376	0.012646692	0.785179315
ZNF350	darkorange	-0.066642542	0.150463333	-0.07027318	0.129412775
ZNF415	darkorange	0.155192876	0.000764969	0.133320278	0.003898635
ZNF416	darkorange	-0.065883597	0.155175595	-0.08146266	0.078640554

ZNF419	darkorange.	-0.049364969	0.287067753	-0.063346494	0.171740213
ZNF45	darkorange.	-0.022628738	0.625717657	-0.060035542	0.19529591
ZNF470	darkorange.	0.084021264	0.069668851	0.053965242	0.244455764
ZNF471	darkorange.	-0.191611658	3.07E-05	-0.221398279	1.35E-06
ZNF528	darkorange.	0.094357333	0.041533553	0.06081649	0.189537696
ZNF547	darkorange.	0.120190471	0.009327597	0.108604331	0.018893919
ZNF548	darkorange.	-0.104526442	0.02388506	-0.124659152	0.006992192
ZNF549	darkorange.	-0.003670141	0.936952983	-0.012023208	0.79552971
ZNF550	darkorange.	-0.119541906	0.00971879	-0.154811389	0.000788514
ZNF583	darkorange.	-0.020284824	0.661945304	-0.042563888	0.35874228
ZNF606	darkorange.	-0.140676683	0.002310857	-0.150087134	0.001141277
ZNF610	darkorange.	0.005161359	0.911426246	-0.008457989	0.85535349
ZNF613	darkorange.	0.040168239	0.386453834	0.026165059	0.572745327
ZNF614	darkorange.	-0.053180604	0.251392191	-0.09623424	0.037627162
ZNF615	darkorange.	0.00175968	0.969747381	-0.029126086	0.530091443
ZNF616	darkorange.	0.040476056	0.382821987	0.030440718	0.511683476
ZNF649	darkorange.	-0.04550182	0.326506113	-0.054663717	0.238394683
ZNF665	darkorange.	-0.009139385	0.84384429	-0.036277238	0.43414744
ZNF766	darkorange.	0.058353688	0.208128905	0.057977588	0.211080198
ZNF773	darkorange.	-0.100767079	0.029457918	-0.091114433	0.049089039
ZNF776	darkorange.	0.02462565	0.595544123	0.00676951	0.884000362
ZNF814	darkorange.	0.040576874	0.381637002	0.037270187	0.42166484
ZNF836	darkorange.	0.068702356	0.138222296	0.056397308	0.223810401
ZNF880	darkorange.	0.10022021	0.030354979	0.10498392	0.023273511
ZSCAN1	darkorange.	-0.18657813	4.97E-05	-0.199252387	1.44E-05
AKAP7	darkred	0.138413482	0.002721456	0.129279178	0.005141852
ALDH3A	darkred	0.328560111	3.23E-13	0.315938151	2.77E-12
ALDH6A	darkred	0.184596144	6.00E-05	0.183957382	6.36E-05
ALG2	darkred	0.215344177	2.65E-06	0.21528353	2.67E-06
ANKRA2	darkred	0.093268978	0.043951696	0.080393826	0.082655948
ANXA5	darkred	0.156938184	0.000665316	0.140664619	0.002312887
AP1G1	darkred	0.268934615	3.52E-09	0.277707168	1.02E-09
ARFGAP	darkred	0.374041105	5.91E-17	0.348046076	9.59E-15
ARFIP1	darkred	0.213719955	3.16E-06	0.197988382	1.63E-05
ARHGEF	darkred	0.127553388	0.005773978	0.115574655	0.012444726
ARL1	darkred	0.193165446	2.64E-05	0.184942638	5.80E-05
ARL6IP5	darkred	0.341529506	3.20E-14	0.338067676	5.99E-14
ARRDC4	darkred	0.187900701	4.39E-05	0.182082842	7.58E-05
ATG4A	darkred	0.178868559	0.000101738	0.214532835	2.89E-06
ATP8B1	darkred	0.215145573	2.71E-06	0.226746807	7.36E-07
BANK1	darkred	0.024006285	0.604831958	0.033182767	0.474386059
BHLHE4	darkred	0.154172021	0.000829486	0.134033625	0.003709865
C10orf32	darkred	0.193842658	2.47E-05	0.15581816	0.000727778
C15orf57	darkred	0.181028587	8.35E-05	0.167316834	0.000281571
C20orf27	darkred	-0.241255063	1.31E-07	-0.248001642	5.63E-08

C9orf156 darkred	0.20708448	6.42E-06	0.21201011	3.80E-06
CADPS2 darkred	0.018957882	0.682817017	0.030624925	0.509130974
CASC4 darkred	0.07526594	0.104278402	0.057322084	0.216295881
CASP7 darkred	0.155534237	0.000744453	0.173864702	0.000159383
CAT darkred	0.23232981	3.84E-07	0.227213416	6.98E-07
CCNDBP darkred	0.024455528	0.598088774	0.048377554	0.296829302
CCPG1 darkred	0.135585266	0.003327555	0.144011704	0.001808156
CDC42SE darkred	0.218215185	1.93E-06	0.210182392	4.62E-06
CDK7 darkred	0.254325075	2.50E-08	0.226964493	7.18E-07
CDYL2 darkred	0.230174218	4.94E-07	0.221588022	1.32E-06
CHP1 darkred	0.432712327	9.86E-23	0.431216658	1.43E-22
CLCN3 darkred	0.268899457	3.54E-09	0.244356556	8.91E-08
CMPK1 darkred	0.156852967	0.000669888	0.148042019	0.00133505
CMTM6 darkred	0.03881875	0.402622015	0.019057824	0.681236317
COG3 darkred	0.164346066	0.000362045	0.149649921	0.001180382
COG6 darkred	0.105635186	0.022426308	0.081577664	0.0782181
COX18 darkred	0.343664899	2.16E-14	0.360928468	8.16E-16
CPD darkred	0.226958116	7.19E-07	0.209486072	4.98E-06
CPNE1 darkred	-0.220455578	1.50E-06	-0.21946574	1.68E-06
CRYZ darkred	0.108806249	0.018672365	0.071093089	0.12499053
CTAGE5 darkred	0.123847501	0.007372834	0.107061811	0.020663361
CYP4V2 darkred	0.159489176	0.000541134	0.170111137	0.000221421
DDAH1 darkred	0.349668997	7.07E-15	0.356391313	1.97E-15
DIMT1 darkred	0.251824742	3.46E-08	0.221271724	1.37E-06
DNAJB9 darkred	0.085367954	0.065294115	0.078269886	0.091126294
DNAJC3 darkred	0.20178419	1.11E-05	0.20071575	1.24E-05
DRAM2 darkred	0.076783839	0.097456142	0.055088774	0.234758375
DYNLT3 darkred	0.005477342	0.90602802	-0.000510711	0.991217881
EHMT2 darkred	-0.110761075	0.016641945	-0.110499935	0.016901487
ELL2 darkred	0.140346146	0.002367067	0.151197563	0.001047263
ELOVL5 darkred	0.224773567	9.23E-07	0.213515934	3.23E-06
ENPP4 darkred	0.215394168	2.63E-06	0.202994155	9.82E-06
ERBB2IP darkred	0.17645388	0.000126539	0.152758178	0.000927171
ERLEC1 darkred	0.149187335	0.001223097	0.137275457	0.002952097
ERO1L darkred	0.274529297	1.61E-09	0.283661354	4.31E-10
ETFDH darkred	0.287013079	2.63E-10	0.292887635	1.09E-10
FAM107E darkred	0.142000332	0.002097763	0.150241857	0.001127727
FAM114A darkred	0.095978757	0.038139852	0.075212231	0.104526551
FAM120A darkred	0.376888722	3.29E-17	0.378010593	2.61E-17
FBXO4 darkred	0.156052777	0.000714261	0.140821588	0.002286602
FPGT darkred	0.140409986	0.002356115	0.115630287	0.012402254
GABARA darkred	0.050555658	0.275587	0.07212251	0.119605606
GALNT3 darkred	0.0568282	0.220286235	0.044719786	0.334897895
GALNT7 darkred	0.312005804	5.30E-12	0.313233575	4.33E-12
GFPT1 darkred	0.1487691	0.001262936	0.168342605	0.000257908



GRAMD3	darkred	0.099222543	0.032051846	0.074590289	0.107434292
HERPUD	darkred	0.174385646	0.000152192	0.189357871	3.81E-05
HFE	darkred	0.217216286	2.16E-06	0.23694865	2.21E-07
HIATL1	darkred	0.206382502	6.91E-06	0.198164109	1.61E-05
HIF1A	darkred	0.178839378	0.000102008	0.16740472	0.000279467
HNF4G	darkred	0.244598075	8.64E-08	0.226493211	7.58E-07
HSD17B4	darkred	0.291290395	1.38E-10	0.263718946	7.19E-09
HSDL2	darkred	0.357717787	1.52E-15	0.334909916	1.06E-13
IDH1	darkred	0.374306566	5.59E-17	0.383234469	8.72E-18
ILVBL	darkred	-0.257747491	1.60E-08	-0.250869838	3.91E-08
ISOC1	darkred	0.141195346	0.002225108	0.120875391	0.008929737
IST1	darkred	0.159354588	0.000547106	0.170199657	0.000219728
ISYNA1	darkred	-0.163864748	0.000376945	-0.152383492	0.000954783
ITM2B	darkred	-0.159202222	0.000553942	-0.164012943	0.000372298
KDELR2	darkred	0.030693316	0.508184984	0.062476738	0.177712289
KIAA014	darkred	0.165640425	0.000324655	0.151626985	0.001012862
KIAA124	darkred	0.305171628	1.60E-11	0.33380305	1.28E-13
KLHL2	darkred	0.2139748	3.07E-06	0.209241994	5.11E-06
LACC1	darkred	0.132270254	0.004192342	0.118823861	0.010168834
LAMTOR	darkred	0.099279052	0.031953613	0.092607781	0.045477825
LIN7C	darkred	0.123213925	0.00768273	0.124575274	0.007030697
LIPA	darkred	0.085023355	0.066391464	0.056556933	0.222500202
LMAN1	darkred	0.037951696	0.413220193	0.01651481	0.721873592
LMBRD1	darkred	-0.079208854	0.08729958	-0.091512833	0.048102923
LNX1	darkred	0.246056795	7.20E-08	0.240241554	1.48E-07
LPCAT2	darkred	0.293865643	9.35E-11	0.263679086	7.23E-09
MAP1LC	darkred	0.201613269	1.13E-05	0.210773776	4.34E-06
MAPK6	darkred	0.278636456	8.95E-10	0.259319202	1.30E-08
MCCC2	darkred	0.326610228	4.53E-13	0.318506732	1.80E-12
MCEE	darkred	0.161282076	0.000467134	0.13956594	0.002504728
MEGF9	darkred	0.190634958	3.37E-05	0.171498372	0.000196244
METAP1	darkred	0.29874571	4.41E-11	0.255938681	2.03E-08
MFSD6	darkred	0.287519121	2.44E-10	0.289439132	1.83E-10
MKRN1	darkred	0.224090564	9.98E-07	0.22699184	7.16E-07
MMAA	darkred	0.126191434	0.006321236	0.134443977	0.003605066
MOCS2	darkred	0.177548098	0.000114669	0.157281535	0.000647187
MPZL2	darkred	0.281615887	5.82E-10	0.272530069	2.13E-09
MRRF	darkred	0.26085447	1.06E-08	0.252390573	3.21E-08
MYLPF	darkred	-0.261686262	9.45E-09	-0.244931322	8.29E-08
MYO5C	darkred	0.337137637	7.08E-14	0.328411228	3.32E-13
NEURL2	darkred	-0.287108575	2.59E-10	-0.281310122	6.08E-10
NIPSNAP	darkred	0.281294257	6.10E-10	0.284219049	3.97E-10
NUDT12	darkred	0.016257286	0.726035119	0.031872301	0.492022885
NUDT9	darkred	0.132201508	0.004212252	0.113239797	0.014347045
OMA1	darkred	0.157452049	0.000638355	0.141598777	0.00216043

PACS2	darkred	-0.071229465	0.124266505	-0.061342967	0.185726792
PAFAH2	darkred	0.297833966	5.08E-11	0.306491707	1.30E-11
PCED1A	darkred	-0.219738511	1.63E-06	-0.239728688	1.58E-07
PEX7	darkred	0.3128207	4.63E-12	0.306200764	1.36E-11
PGGT1B	darkred	0.136843131	0.003044277	0.115563945	0.012452917
PIBF1	darkred	0.029511665	0.524657863	0.000483607	0.99168393
PIGB	darkred	0.215641358	2.56E-06	0.183761252	6.48E-05
PIGV	darkred	0.176838694	0.000122239	0.165087819	0.000340154
PKN1	darkred	-0.289731144	1.75E-10	-0.293657082	9.66E-11
PNPLA8	darkred	0.009063625	0.845122332	-0.003739885	0.935757453
POC1B	darkred	0.310613935	6.65E-12	0.296394693	6.34E-11
PPIP5K1	darkred	0.360539704	8.80E-16	0.330174518	2.44E-13
PPM1H	darkred	0.256132197	1.98E-08	0.23190151	4.04E-07
PRKAG2	darkred	0.096025015	0.038046588	0.064774642	0.162260736
PRRC1	darkred	0.183252814	6.80E-05	0.168206737	0.000260932
PRRG4	darkred	0.139966853	0.002433104	0.162124456	0.000435719
PYROXD	darkred	0.20873883	5.39E-06	0.186225589	5.14E-05
RAB11A	darkred	0.240470681	1.44E-07	0.247576995	5.94E-08
RASEF	darkred	0.218920218	1.79E-06	0.216625849	2.30E-06
RASSF6	darkred	0.409106398	2.86E-20	0.384309287	6.94E-18
RB1	darkred	0.163556872	0.000386773	0.156208831	0.000705399
REEP5	darkred	0.167677541	0.000273028	0.186097601	5.21E-05
REPS2	darkred	0.238581564	1.81E-07	0.22629172	7.76E-07
RMDN3	darkred	0.291640066	1.31E-10	0.293373829	1.01E-10
RNF6	darkred	0.126503614	0.006191841	0.119437051	0.009783386
SAR1B	darkred	0.247491616	6.01E-08	0.266665383	4.81E-09
SCP2	darkred	0.208965767	5.26E-06	0.193002877	2.68E-05
SERINC5	darkred	0.357792629	1.50E-15	0.349273502	7.62E-15
SGCB	darkred	0.289799542	1.73E-10	0.26178377	9.33E-09
SH3GLB1	darkred	0.076377621	0.099246074	0.056117223	0.226122594
SIAE	darkred	0.279566172	7.83E-10	0.258605649	1.43E-08
SLC11A2	darkred	0.303027208	2.25E-11	0.271003657	2.64E-09
SLC18B1	darkred	0.040337156	0.384458246	0.023419737	0.61368689
SLC26A2	darkred	0.29332687	1.02E-10	0.259202892	1.32E-08
SLC30A5	darkred	0.150016104	0.001147548	0.139485043	0.002519412
SLC35A3	darkred	0.143887154	0.001824966	0.140824273	0.002286154
SLC41A2	darkred	0.078669503	0.089481555	0.062550766	0.177198058
SLC44A1	darkred	0.24531538	7.90E-08	0.216888851	2.24E-06
SLFN5	darkred	0.11293502	0.014613335	0.111696427	0.015740725
SMIM14	darkred	0.286676174	2.76E-10	0.290969005	1.45E-10
SMIM15	darkred	0.141242694	0.002217426	0.127238704	0.005896496
SNAP23	darkred	0.115805242	0.012269519	0.097723769	0.034753027
SOAT1	darkred	0.282848275	4.86E-10	0.272801715	2.05E-09
SPCS3	darkred	0.075106282	0.105017439	0.071666077	0.12197043
SPPL2A	darkred	0.213428174	3.26E-06	0.209169053	5.15E-06

SPRYD7	darkred	0.154748648	0.000792451	0.145500266	0.001617936
STAM2	darkred	0.065016747	0.160693525	0.043058645	0.353178273
STEAP2	darkred	0.163931705	0.000374839	0.148802952	0.001259668
STS	darkred	0.182459094	7.32E-05	0.207613757	6.07E-06
STX12	darkred	0.120051076	0.009410473	0.104079438	0.024495977
SUCLG2	darkred	0.222987104	1.13E-06	0.220001626	1.58E-06
SVIP	darkred	0.228256685	6.18E-07	0.216628244	2.30E-06
SYAP1	darkred	0.31832077	1.86E-12	0.332475294	1.63E-13
TADA2B	darkred	0.207287414	6.28E-06	0.207375681	6.22E-06
TANK	darkred	0.100901904	0.029240282	0.078440277	0.090422061
TC2N	darkred	0.08087278	0.080836588	0.088857223	0.055000559
TCEA2	darkred	-0.309975322	7.38E-12	-0.308290252	9.70E-12
TERF2IP	darkred	0.086418259	0.062041139	0.091870687	0.047231363
TLR3	darkred	0.126673403	0.006122469	0.143184162	0.001922561
TMBIM6	darkred	0.185107242	5.71E-05	0.168673468	0.000250681
TMED10	darkred	0.212527836	3.60E-06	0.200384424	1.28E-05
TMED7	darkred	0.041509129	0.370786194	0.026281545	0.571037094
TMEM11	darkred	0.152599283	0.000938789	0.124212476	0.007199436
TMEM14	darkred	0.35589894	2.16E-15	0.350405715	6.16E-15
TMEM16	darkred	0.213996315	3.07E-06	0.195815384	2.03E-05
TMEM16	darkred	0.025072786	0.588879582	0.009564876	0.836674139
TMEM17	darkred	0.215952259	2.48E-06	0.211117189	4.18E-06
TMEM2	darkred	0.228587277	5.95E-07	0.208213855	5.70E-06
TMEM39	darkred	-0.151546229	0.001019251	-0.172031772	0.000187297
TMEM41	darkred	0.279224111	8.23E-10	0.274380697	1.64E-09
TMEM50	darkred	0.100641263	0.029662263	0.103985298	0.024626343
TMEM59	darkred	0.001217066	0.979073448	0.010227072	0.825542235
TMEM87	darkred	0.243985044	9.33E-08	0.204563772	8.35E-06
TMEM87	darkred	0.136354374	0.003151636	0.139111842	0.002588173
TMEM9B	darkred	0.269767014	3.14E-09	0.284033992	4.08E-10
TMOD3	darkred	0.240866512	1.37E-07	0.227813255	6.51E-07
TMX4	darkred	0.177757762	0.000112517	0.15419942	0.000827691
TOB1	darkred	0.091109377	0.049101663	0.086489145	0.061826496
TRIM2	darkred	0.329663553	2.66E-13	0.336595303	7.80E-14
TSPAN13	darkred	0.276881522	1.15E-09	0.297587692	5.28E-11
TVP23B	darkred	0.216989149	2.21E-06	0.199903225	1.35E-05
TWF1	darkred	0.203283305	9.53E-06	0.17802957	0.000109785
UBE2J1	darkred	0.077921512	0.092579814	0.087480519	0.058888283
UBXN4	darkred	0.052826001	0.254571474	0.040543039	0.382034445
UCKL1	darkred	-0.157257485	0.000648442	-0.149833656	0.001163801
UFL1	darkred	0.048505341	0.29555368	0.034058782	0.462792087
UGCG	darkred	0.075602991	0.102731749	0.047239796	0.308348472
UGDH	darkred	0.284959409	3.56E-10	0.273435886	1.88E-09
USO1	darkred	0.057083972	0.218213191	0.029291486	0.527757147
ZSWIM1	darkred	-0.114245115	0.01349868	-0.084341974	0.068605847

DPY19L3	darkslatebl	-0.090277783	0.051215022	-0.124905041	0.006880401
EID2B	darkslatebl	-0.196967102	1.81E-05	-0.196512044	1.89E-05
HKR1	darkslatebl	-0.079677966	0.085436748	-0.082460942	0.075034522
ZFP14	darkslatebl	-0.106772435	0.021010888	-0.119961957	0.009463801
ZFP30	darkslatebl	-0.00995461	0.830118383	-0.021887972	0.637075282
ZFP82	darkslatebl	-0.366767846	2.57E-16	-0.362134143	6.44E-16
ZNF181	darkslatebl	-0.293056254	1.06E-10	-0.317486601	2.14E-12
ZNF260	darkslatebl	-0.079521168	0.086055791	-0.085646389	0.064418388
ZNF30	darkslatebl	0.079834824	0.08482106	0.043522705	0.348009219
ZNF302	darkslatebl	-0.443436201	6.45E-24	-0.464830003	2.08E-26
ZNF311	darkslatebl	-0.498228427	1.14E-30	-0.505037341	1.35E-31
ZNF334	darkslatebl	-0.464034262	2.59E-26	-0.467171973	1.08E-26
ZNF345	darkslatebl	-0.214528582	2.89E-06	-0.216924825	2.23E-06
ZNF382	darkslatebl	-0.192887531	2.71E-05	-0.207963637	5.85E-06
ZNF383	darkslatebl	-0.176849232	0.000122123	-0.195789499	2.03E-05
ZNF404	darkslatebl	-0.289062656	1.94E-10	-0.286505772	2.83E-10
ZNF420	darkslatebl	-0.166543814	0.000300728	-0.189141893	3.89E-05
ZNF461	darkslatebl	-0.158555715	0.000583837	-0.17852749	0.00010494
ZNF507	darkslatebl	-0.279712888	7.67E-10	-0.315496782	2.98E-12
ZNF527	darkslatebl	-0.137164744	0.002975458	-0.157860141	0.000617669
ZNF529	darkslatebl	-0.188282502	4.23E-05	-0.200357329	1.29E-05
ZNF546	darkslatebl	-0.134104182	0.003691651	-0.152331902	0.000958644
ZNF565	darkslatebl	-0.121736191	0.008451177	-0.144363835	0.001761394
ZNF566	darkslatebl	-0.20822502	5.69E-06	-0.228725332	5.86E-07
ZNF567	darkslatebl	-0.096857734	0.036400448	-0.12165786	0.008493759
ZNF568	darkslatebl	-0.346330622	1.32E-14	-0.345537183	1.53E-14
ZNF569	darkslatebl	-0.072696075	0.11668485	-0.092619829	0.045449624
ZNF570	darkslatebl	-0.031511331	0.496941859	-0.048792667	0.292698878
ZNF571	darkslatebl	-0.100131025	0.030503469	-0.12083372	0.008953504
ZNF585A	darkslatebl	-0.167461776	0.000278109	-0.18937445	3.81E-05
ZNF585B	darkslatebl	-0.172173887	0.000184979	-0.181933548	7.68E-05
ZNF607	darkslatebl	-0.162058975	0.000438089	-0.169059747	0.000242483
ZNF667	darkslatebl	-0.409202983	2.80E-20	-0.430649285	1.65E-22
ZNF780A	darkslatebl	-0.099888214	0.030910902	-0.111098182	0.016312064
ZNF780B	darkslatebl	-0.119731988	0.009602656	-0.123570179	0.007507076
ZNF790	darkslatebl	-0.014253567	0.758681785	-0.010957888	0.81329732
ZNF793	darkslatebl	-0.181729944	7.83E-05	-0.19602515	1.99E-05
ZNF829	darkslatebl	-0.40373153	9.80E-20	-0.402736889	1.23E-19
ZNF850	darkslatebl	-0.18681192	4.86E-05	-0.187648974	4.49E-05
ZNF879	darkslatebl	-0.229242712	5.51E-07	-0.260053766	1.18E-08
ABCB4	darkturquoi	-0.019245565	0.67827074	-0.023014305	0.619840662
ABHD12I	darkturquoi	0.11173837	0.015701335	0.079675427	0.085446742
ADAM23	darkturquoi	0.090161003	0.051517792	0.0357036	0.44145473
ADAMTS	darkturquoi	0.212164209	3.74E-06	0.152715148	0.000930304
ADAMTS	darkturquoi	0.121575166	0.008538921	0.07247663	0.117795661

ADAMTS	darkturquoi	0.035554943	0.443359783	0.021452485	0.6437924
AMBN	darkturquoi	0.061251235	0.186386706	0.056675293	0.221532254
AMOT	darkturquoi	0.155601975	0.000740443	0.131120672	0.004536719
ANKRD3	darkturquoi	0.014070006	0.76169511	-0.020394937	0.660224757
APCDD1	darkturquoi	-0.008824098	0.849165712	-0.020611761	0.656842034
ASCL5	darkturquoi	0.100156914	0.030460302	0.082289396	0.07564443
AXIN2	darkturquoi	0.059581955	0.198698526	0.028455863	0.539603543
BAMBI	darkturquoi	0.171936644	0.000188864	0.136351858	0.003152197
BEST3	darkturquoi	0.079327835	0.086824043	0.066888398	0.148960381
BMP4	darkturquoi	0.052623346	0.256400891	0.038477758	0.406770513
BSX	darkturquoi	-0.007703276	0.868136861	-0.023257674	0.616143506
C10orf12	darkturquoi	0.016915712	0.715411471	0.015510886	0.738141952
C3orf36	darkturquoi	0.153518922	0.000873362	0.142169297	0.002071895
CA6	darkturquoi	0.165240882	0.000335793	0.130100816	0.004863399
CACNA1	darkturquoi	0.071749522	0.121535393	0.021385548	0.64482746
CACNA1	darkturquoi	0.092774072	0.045089874	0.070124157	0.130229397
CALML3	darkturquoi	0.133040843	0.003974921	0.092236671	0.046353733
CD36	darkturquoi	0.003582069	0.938462883	-0.020835697	0.653355711
CDX2	darkturquoi	0.154842044	0.000786598	0.120744675	0.00900448
CEMIP	darkturquoi	0.151833868	0.000996664	0.142173138	0.00207131
CHRNA3	darkturquoi	0.065441699	0.157970307	0.043728167	0.345736018
CORIN	darkturquoi	-0.013997932	0.762879267	-0.015804594	0.733369992
CPNE9	darkturquoi	-0.011343036	0.806862166	-0.017689169	0.703001763
CRYBA4	darkturquoi	0.125701819	0.006529067	0.100219815	0.030355635
CRYBB1	darkturquoi	0.088561084	0.05581832	0.060191688	0.194134481
CST1	darkturquoi	0.153677435	0.00086252	0.127234114	0.0058983
CST2	darkturquoi	0.085712896	0.06421065	0.079949948	0.084371467
CST4	darkturquoi	0.052564313	0.256935501	0.023635916	0.61041667
CST5	darkturquoi	-0.029306392	0.52754703	-0.06395783	0.167633034
CTD-253	darkturquoi	-0.008451965	0.855455388	-0.013624339	0.769026102
CXCL14	darkturquoi	0.269635325	3.19E-09	0.25651559	1.88E-08
DBH	darkturquoi	0.10831449	0.01921595	0.078336713	0.090849571
DCHS2	darkturquoi	0.04966609	0.284134356	0.020900971	0.652340911
DEFA5	darkturquoi	0.054651415	0.238500511	0.014448664	0.755483071
DEFA6	darkturquoi	0.049156049	0.289114903	0.015483151	0.738593093
DEFB133	darkturquoi	-0.072059066	0.119932155	-0.080218585	0.083329829
DEPDC7	darkturquoi	-0.003667354	0.937000761	-0.025033766	0.589459795
DKK1	darkturquoi	0.174664744	0.000148466	0.162884554	0.000409071
DKK4	darkturquoi	0.163069483	0.000402821	0.139266625	0.00255945
DLX3	darkturquoi	-0.049258074	0.288113966	-0.090899707	0.049627505
DPEP1	darkturquoi	0.055619872	0.230270164	0.049140505	0.289267603
DRAXIN	darkturquoi	0.024479306	0.597732815	-0.000294127	0.994942169
DYNC1I1	darkturquoi	0.251469303	3.62E-08	0.20401937	8.83E-06
EDAR	darkturquoi	0.088996771	0.054618675	0.088921278	0.054824992
EDN3	darkturquoi	0.032897264	0.478198732	0.027454598	0.55397084

EPHA7	darkturquoi	0.21695399	2.22E-06	0.184964689	5.79E-05
ERVMER	darkturquoi	0.018640295	0.687849218	-0.021621246	0.641185886
EVX1	darkturquoi	-0.041515993	0.370707016	-0.029032225	0.531418427
FAM159E	darkturquoi	0.063735362	0.169119057	0.05267088	0.255970975
FAM163E	darkturquoi	0.058055884	0.210463331	0.039152343	0.398588101
FAM178E	darkturquoi	-0.091439058	0.048284268	-0.092422431	0.045913541
FAM84A	darkturquoi	0.223778796	1.03E-06	0.187353104	4.62E-05
FGF19	darkturquoi	0.149359921	0.001206997	0.11964131	0.009657903
FGF20	darkturquoi	0.168093016	0.000263488	0.149313897	0.001211271
FGF3	darkturquoi	0.047200679	0.308749684	0.031012385	0.503783811
FGF4	darkturquoi	0.150055389	0.001144076	0.104370011	0.024097337
FGF8	darkturquoi	0.028976522	0.532206731	0.009298662	0.841158697
FOXL1	darkturquoi	0.241336974	1.29E-07	0.235883687	2.51E-07
FRMPD1	darkturquoi	-0.070335445	0.129072752	-0.087358295	0.059244161
FSTL4	darkturquoi	-0.129678916	0.005004635	-0.135621978	0.00331896
FZD10	darkturquoi	0.240209928	1.49E-07	0.204796184	8.15E-06
GAD1	darkturquoi	0.317656113	2.08E-12	0.291650181	1.31E-10
GDNF	darkturquoi	-0.044645287	0.33570448	-0.056613725	0.22203538
GLB1L3	darkturquoi	-0.063017387	0.17398213	-0.051274207	0.268811817
GNAT3	darkturquoi	-0.012838279	0.78200629	-0.024886952	0.591645253
GOLGA7	darkturquoi	0.035046566	0.449909967	0.029404861	0.526160095
GPCPD1	darkturquoi	0.169883632	0.000225828	0.157030443	0.000660399
GPR155	darkturquoi	-0.096407119	0.037283562	-0.096872821	0.036371192
GPR83	darkturquoi	0.043919918	0.343623036	0.021521482	0.642726209
GPX2	darkturquoi	0.185752241	5.38E-05	0.181632365	7.90E-05
GREM2	darkturquoi	0.057604514	0.214037427	0.015132626	0.744302477
GRM3	darkturquoi	-0.091862126	0.047252057	-0.051944369	0.262596427
GRM8	darkturquoi	0.067861808	0.143121751	0.04683156	0.312552542
GSDMA	darkturquoi	0.021456091	0.643736663	0.003056287	0.947481277
HAO2	darkturquoi	0.082667366	0.074305925	0.069874855	0.131604432
HPS4	darkturquoi	0.161998202	0.000440299	0.118967671	0.010077246
HSPA12A	darkturquoi	-0.049533056	0.285427817	-0.101188199	0.028782712
HUNK	darkturquoi	-0.101915674	0.027647584	-0.144725187	0.001714562
IGFBPL1	darkturquoi	0.008100962	0.861396333	-0.007058612	0.879083623
IGFL4	darkturquoi	-0.01023513	0.825406979	-0.023839748	0.607340311
IL10	darkturquoi	-0.110893065	0.016512096	-0.119849849	0.009531267
IL17RD	darkturquoi	0.00037766	0.993505747	-0.035572425	0.443135503
IL23A	darkturquoi	-0.10055793	0.029798277	-0.125001768	0.006836865
IL31RA	darkturquoi	0.027261743	0.556759434	-0.001475605	0.97462943
KCNA2	darkturquoi	-0.06644895	0.151654879	-0.088161934	0.056936487
KCNJ9	darkturquoi	0.040392393	0.383807039	0.000250448	0.995693259
KIF26B	darkturquoi	0.254246887	2.53E-08	0.240480354	1.44E-07
KIZ	darkturquoi	0.099031227	0.032386339	0.062951201	0.174435618
KLK4	darkturquoi	0.069298019	0.134828976	0.044872824	0.333244875
KRT31	darkturquoi	0.120122048	0.009368196	0.08362891	0.070987619

KRT74	darkturquoi	0.0712935	0.123927667	0.09452479	0.041171648
LAMP5	darkturquoi	0.056256845	0.224967849	0.030610383	0.509332231
LEF1	darkturquoi	0.210120259	4.65E-06	0.198490909	1.55E-05
LRP4	darkturquoi	0.270723362	2.75E-09	0.243862234	9.47E-08
LRRC15	darkturquoi	0.022426789	0.628805379	0.037116234	0.42358636
LY6G6C	darkturquoi	0.080276457	0.083106794	0.05062299	0.27494724
LY6G6D	darkturquoi	0.015047208	0.745695916	-0.008573567	0.853399082
MSX2	darkturquoi	0.192853737	2.72E-05	0.168634805	0.000251515
MUCL1	darkturquoi	0.14951904	0.001192326	0.152891054	0.000917557
MYH7B	darkturquoi	0.05689029	0.2197817	0.026480284	0.568128254
NAT16	darkturquoi	-0.0208009	0.653896944	-0.016531638	0.721601948
NKD1	darkturquoi	0.060887743	0.189018602	0.038287821	0.409092257
NKD2	darkturquoi	-0.0952663	0.039600955	-0.097304418	0.035542641
NODAL	darkturquoi	-0.016916745	0.715394849	-0.066754452	0.149777787
NOTUM	darkturquoi	0.014582088	0.753297913	-0.012456643	0.788330378
NOX3	darkturquoi	-0.006338418	0.891340126	-0.031928784	0.491255558
NRSN1	darkturquoi	0.040046202	0.387899509	0.025150613	0.587723085
NTNG2	darkturquoi	-0.092057745	0.046781072	-0.06253562	0.177303179
OSBPL6	darkturquoi	-0.027569422	0.552313782	-0.039043139	0.399905956
PHLDA1	darkturquoi	0.263080393	7.84E-09	0.255956218	2.02E-08
PLA2G4E	darkturquoi	0.098343866	0.033612813	0.056112659	0.226160407
PMCH	darkturquoi	0.053662818	0.247113248	0.0278729	0.547945914
PROX1	darkturquoi	0.052405066	0.258381515	0.030006488	0.517726733
PRR9	darkturquoi	0.107465859	0.020186481	0.109253995	0.018189145
PTPRE	darkturquoi	-0.003478944	0.940231124	-0.009458146	0.83847145
RASGRF1	darkturquoi	0.119962854	0.009463263	0.08116438	0.079744883
RASL11B	darkturquoi	-0.107131299	0.020580657	-0.145281341	0.00164471
RNF43	darkturquoi	0.10831145	0.019219353	0.078873023	0.088653115
RP11-520	darkturquoi	-0.049635802	0.28442849	-0.046691978	0.313998564
RUNX2	darkturquoi	-0.02394602	0.605739131	-0.038739856	0.403579586
SCML1	darkturquoi	-0.02166251	0.640549231	-0.053978772	0.244337342
SEZ6L	darkturquoi	0.033253342	0.473446148	0.015974808	0.730609157
SHISA6	darkturquoi	0.073938746	0.110548526	0.069333299	0.134630028
SLC30A1	darkturquoi	0.114676825	0.013148144	0.106781201	0.021000287
SLC35D3	darkturquoi	-0.01547617	0.738706663	-0.018841875	0.684653542
SLC6A2	darkturquoi	0.186103533	5.20E-05	0.134125871	0.003686069
SLC8A3	darkturquoi	-0.066118268	0.153706753	-0.078182325	0.091489891
SLCO2A1	darkturquoi	0.029738162	0.521479389	0.020954377	0.651511086
SLCO5A1	darkturquoi	0.115702044	0.012347661	0.106484028	0.021362292
SMPX	darkturquoi	0.049306082	0.287643778	0.044558185	0.336649109
SOX14	darkturquoi	0.190391893	3.45E-05	0.152113677	0.000975135
SP5	darkturquoi	0.188832238	4.01E-05	0.151457218	0.001026336
SP6	darkturquoi	-0.006120024	0.895062088	-0.027785446	0.549202872
SP7	darkturquoi	0.062354081	0.17856675	0.055755201	0.229136309
SSTR2	darkturquoi	-0.072292272	0.118735243	-0.084193599	0.069095977

STRIP2	darkturquoi	0.157186179	0.000652175	0.132703527	0.004068806
SYT6	darkturquoi	-0.065101312	0.160148809	-0.09177701	0.047458226
TDGF1	darkturquoi	0.186448973	5.03E-05	0.168213619	0.000260778
TMEM16	darkturquoi	-0.145274794	0.001645517	-0.147188382	0.001424538
TMEM89	darkturquoi	0.073015342	0.115083412	0.066684131	0.150208289
TNFRSF1	darkturquoi	0.008622686	0.852568739	-0.018700334	0.686896836
TPH1	darkturquoi	0.073825544	0.111096782	0.060331082	0.193101931
TPST2	darkturquoi	0.177405893	0.00011615	0.169032298	0.000243057
TRAF3IP1	darkturquoi	0.314633362	3.44E-12	0.273409029	1.88E-09
TSPAN11	darkturquoi	0.186625215	4.95E-05	0.165851433	0.000318912
TTC9	darkturquoi	0.366490891	2.72E-16	0.353113473	3.69E-15
VSNL1	darkturquoi	0.088046484	0.057263348	0.076542747	0.098515345
VWA2	darkturquoi	0.135154033	0.003430048	0.119914473	0.009492325
WIF1	darkturquoi	0.127120335	0.005943183	0.111409694	0.016012335
WNT16	darkturquoi	-0.068897846	0.137101488	-0.099557385	0.031473516
WNT6	darkturquoi	-0.173424094	0.000165712	-0.184749165	5.91E-05
XXbac-B1	darkturquoi	0.037006823	0.424955043	0.01412612	0.760773563
HIST1H1	floralwhite	-0.055913432	0.227815601	-0.053064265	0.2524322
HIST1H1	floralwhite	0.000965851	0.983392215	0.004511858	0.92253479
HIST1H1	floralwhite	-0.084597012	0.067770031	-0.087105226	0.05998668
HIST1H1	floralwhite	0.056014925	0.226971321	0.036081837	0.436628701
HIST1H1	floralwhite	-0.118796517	0.010186332	-0.122555861	0.008016873
HIST1H2	floralwhite	-0.046593716	0.315019153	-0.039474289	0.394718118
HIST1H2	floralwhite	0.057267259	0.21673627	0.058762305	0.204956381
HIST1H2	floralwhite	0.053303605	0.250295873	0.043531471	0.347912037
HIST1H2	floralwhite	0.121361711	0.008656485	0.130692188	0.004671478
HIST1H2	floralwhite	0.088220167	0.056772208	0.096714616	0.036678985
HIST1H2	floralwhite	-0.021206641	0.647597286	-0.021348469	0.645401108
HIST1H2	floralwhite	-0.038496814	0.406538014	-0.04938848	0.286837986
HIST1H2	floralwhite	0.008419736	0.856000542	0.029181285	0.529311832
HIST1H2	floralwhite	0.02378054	0.608233201	0.026785003	0.563681994
HIST1H2	floralwhite	0.075512945	0.103143158	0.09020872	0.051393899
HIST1H2	floralwhite	0.049156969	0.289105861	0.062377603	0.178402654
HIST1H2	floralwhite	0.047109226	0.309689024	0.066039271	0.154200029
HIST1H2	floralwhite	0.099042111	0.032367231	0.097575752	0.035030013
HIST1H2	floralwhite	-0.017624391	0.704038123	-0.038407162	0.407632551
HIST1H2	floralwhite	0.048528139	0.295326492	0.041170923	0.374700418
HIST1H2	floralwhite	-0.019202636	0.678948421	0.01447658	0.755025705
HIST1H2	floralwhite	-0.095399388	0.039324476	-0.086867636	0.060690767
HIST1H2	floralwhite	-0.038230171	0.409798508	-0.041196524	0.374403242
HIST1H2	floralwhite	-0.079050065	0.087937479	-0.068634069	0.138615457
HIST1H2	floralwhite	-0.027178679	0.557962594	-0.026106851	0.573599835
HIST1H2	floralwhite	-0.016567594	0.721021629	-0.029916985	0.518976915
HIST1H2	floralwhite	-0.064791177	0.162153333	-0.054391246	0.240746372
HIST1H2	floralwhite	-0.099496117	0.031578665	-0.098255755	0.033772859



HIST1H3.floralwhite	0.041908172	0.366200539	0.05599426	0.227143039
HIST1H3]floralwhite	-0.056431806	0.223526776	-0.063102062	0.173403246
HIST1H3(floralwhite	-0.082249795	0.075785798	-0.06210237	0.180329763
HIST1H3]floralwhite	0.099279708	0.031952473	0.107172982	0.020531184
HIST1H3]floralwhite	-0.108923463	0.018544795	-0.093689994	0.043002573
HIST1H3(floralwhite	-0.106132493	0.021797502	-0.10073425	0.02951112
HIST1H3]floralwhite	0.081306111	0.079218592	0.084194517	0.069092938
HIST1H3]floralwhite	-0.094420386	0.04139697	-0.09114701	0.049007776
HIST1H3.floralwhite	0.01708735	0.712651014	0.020177215	0.663628467
HIST1H4.floralwhite	0.011195669	0.809322894	0.029535113	0.524328358
HIST1H4]floralwhite	-0.010821107	0.815585745	-0.012906111	0.780883734
HIST1H4(floralwhite	-0.088457921	0.056105556	-0.091379061	0.048432168
HIST1H4]floralwhite	0.004338902	0.925495526	0.019138327	0.679964078
HIST1H4]floralwhite	0.03930042	0.396805311	0.034891584	0.451917654
HIST1H4]floralwhite	-0.0578703	0.211927599	-0.050154373	0.279420829
HIST1H4]floralwhite	-0.073265228	0.113842054	-0.065268772	0.159074239
HIST1H4]floralwhite	-0.072402497	0.118172779	-0.05490829	0.236297579
HIST1H4]floralwhite	-0.063563718	0.170272309	-0.054193847	0.242460266
HIST1H4]floralwhite	-0.076501441	0.098697734	-0.07058057	0.127740864
HIST2H2.floralwhite	-0.041388878	0.372175014	-0.039872102	0.389967597
HIST2H2.floralwhite	0.065030307	0.160606082	0.082188543	0.076004876
HIST2H2]floralwhite	0.188143945	4.29E-05	0.171500191	0.000196213
HIST2H2]floralwhite	0.054018612	0.243988867	0.031334436	0.499361924
HIST2H3]floralwhite	-0.052533409	0.257215687	-0.057823507	0.212297958
HIST3H2]floralwhite	-0.098567664	0.033209209	-0.08768205	0.058305349
OR2B6 floralwhite	-0.131833374	0.004320331	-0.123084032	0.007747682
AAGAB green	0.264300048	6.64E-09	0.268790592	3.59E-09
AARS2 green	-0.156195744	0.000706138	-0.18050069	8.76E-05
ABHD3 green	0.091156678	0.048983679	0.107536104	0.020104558
ABTB1 green	-0.218515008	1.87E-06	-0.22254808	1.19E-06
AC00438 green	0.142670348	0.00199689	0.164202136	0.000366442
ACAD9 green	-0.076100614	0.100481583	-0.068475036	0.139534424
ACAT2 green	0.116475202	0.011772761	0.100427525	0.030012191
ACOXL green	-0.23310883	3.50E-07	-0.24654667	6.77E-08
ACP1 green	0.004548545	0.921906904	0.004732287	0.918762948
ACTL6A green	-0.144453599	0.001749652	-0.163897089	0.000375926
ADA green	-0.272515423	2.14E-09	-0.27181067	2.36E-09
ADD2 green	-0.321183624	1.15E-12	-0.313456956	4.17E-12
AGFG2 green	-0.182102487	7.56E-05	-0.150174968	0.001133567
AK2 green	-0.168400042	0.000256639	-0.151358929	0.001034212
ALG8 green	-0.020788961	0.654082699	-0.054617424	0.238793092
ALYREF green	0.019878993	0.668301879	0.020123866	0.664463538
ANAPC5 green	0.144947041	0.001686378	0.135789886	0.003279902
ANKLE1 green	-0.310087992	7.25E-12	-0.315928381	2.77E-12
ANKRD2 green	0.0790855	0.087794802	0.081784291	0.077463709

ANKRD9	green	0.111349818	0.016069569	0.098742282	0.032897174
ANLN	green	0.061319817	0.185893169	0.049912759	0.281746525
AP5B1	green	0.008103894	0.861346665	0.022947466	0.62085774
APH1A	green	0.002685778	0.953840462	-0.009856729	0.831763753
APLP1	green	-0.192418574	2.84E-05	-0.180645882	8.65E-05
APOBEC	green	-0.027063623	0.559631239	-0.023647069	0.610248157
ARHGAP	green	0.07819731	0.091427584	0.072010067	0.120184834
ARHGAP	green	-0.030893773	0.505417574	-0.052430026	0.2581545
ARHGAP	green	-0.050243744	0.278563877	-0.062362776	0.17850608
ARHGEF	green	-0.073559111	0.112395606	-0.074399732	0.108337861
ARHGEF	green	0.094509066	0.041205518	0.088863033	0.054984614
ARID3B	green	0.149588002	0.001186019	0.125808024	0.006483472
ARL4C	green	-0.173544117	0.000163965	-0.166841854	0.000293202
ARL6IP1	green	0.021276195	0.646519873	0.019955481	0.667102018
ARNTL2	green	-0.157760023	0.000622685	-0.138629368	0.002679601
ASF1B	green	0.15678597	0.000673503	0.172237014	0.000183958
ASNA1	green	0.070429434	0.128560798	0.089650931	0.052857784
ASNS	green	-0.011989675	0.796087427	-0.022942693	0.620930392
ASPM	green	0.027741791	0.549830838	0.010458234	0.821664358
ATAD2	green	-0.079715103	0.085290655	-0.113822249	0.013849989
ATAD5	green	-0.017763431	0.701814349	-0.034371029	0.458697923
ATAT1	green	0.077513945	0.09430379	0.06742392	0.145726223
ATF5	green	-0.139751484	0.002471345	-0.11347093	0.014147953
ATG4D	green	0.041720857	0.368348689	0.061945276	0.181436586
ATP1B3	green	0.073484231	0.112762776	0.081055985	0.080149292
ATP5C1	green	0.080407392	0.082603962	0.085371573	0.065282668
ATPAF1	green	0.033767531	0.466629195	0.023706984	0.609343276
AUNIP	green	-0.026723616	0.564576368	-0.028590496	0.537685959
AURKA	green	-0.051148217	0.269991455	-0.054077556	0.243473937
AURKB	green	0.131699184	0.004360346	0.146211555	0.001533686
BAK1	green	-0.176374036	0.000127449	-0.160639791	0.000492488
BARD1	green	0.066341506	0.152319275	0.038949242	0.401041167
BCL2L12	green	0.024321894	0.600091075	0.031976444	0.490608575
BCL6	green	-0.206409963	6.89E-06	-0.209963236	4.73E-06
BEND3	green	-0.038979318	0.400677342	-0.05893665	0.203613479
BIRC5	green	0.052379456	0.258614593	0.058758111	0.204988764
BLM	green	0.016980515	0.714368804	0.001537077	0.973572908
BNIP3	green	0.273657016	1.82E-09	0.268521154	3.73E-09
BOLA3	green	0.064717712	0.162630924	0.080438773	0.082483816
BORA	green	-0.000524128	0.990987172	-0.008516473	0.854364425
BRCA1	green	0.21785369	2.01E-06	0.206280913	6.98E-06
BRCA2	green	-0.008854382	0.848654273	-0.010525879	0.820530383
BRI3BP	green	0.29961114	3.85E-11	0.297983372	4.96E-11
BRIP1	green	0.105300228	0.022858643	0.082582971	0.074603108
BUB1	green	-0.010702704	0.817567946	-0.015480346	0.738638728

BUB1B	green	0.068266932	0.140744002	0.062079299	0.180492001
BUB3	green	0.238421899	1.85E-07	0.233731191	3.25E-07
BYSL	green	-0.094043861	0.042218241	-0.097465379	0.035237775
BZW2	green	-0.05212474	0.26094061	-0.058717422	0.205303128
C10orf35	green	0.128123604	0.005557787	0.123738067	0.007425549
C11orf84	green	-0.017403746	0.707572249	-0.025846225	0.577433238
C12orf73	green	-0.037174167	0.422862694	-0.035155405	0.448503059
C16orf59	green	0.125055009	0.006813008	0.136017627	0.003227594
C16orf89	green	-0.062375899	0.178414534	-0.029570957	0.52382486
C17orf53	green	-0.008934791	0.847296629	0.000665728	0.988552382
C17orf96	green	-0.163962543	0.000373872	-0.173316975	0.000167286
C18orf54	green	-0.101119393	0.028892116	-0.135415423	0.003367586
C19orf40	green	-0.096101617	0.037892568	-0.105829782	0.022178408
C19orf52	green	-0.062231539	0.179423447	-0.03955976	0.39369453
C19orf57	green	-0.16057717	0.000495028	-0.183998329	6.34E-05
C1orf112	green	-0.005983052	0.897397617	-0.031461717	0.497619984
C1orf115	green	0.19036319	3.46E-05	0.154783462	0.000790264
C20orf24	green	-0.149331569	0.001209628	-0.15031436	0.001121429
C2orf68	green	-0.245896916	7.35E-08	-0.249697124	4.54E-08
C4orf46	green	0.068257609	0.140798373	0.040067347	0.38764878
C5orf34	green	-0.194876545	2.23E-05	-0.196556326	1.89E-05
C9orf40	green	0.089198812	0.054069681	0.082574944	0.074631422
CABLES2	green	-0.155140253	0.000768177	-0.166519093	0.00030136
CADM4	green	0.115396954	0.012581252	0.089972296	0.052010197
CAMK2N	green	0.20544346	7.62E-06	0.170275157	0.000218294
CARS	green	0.068307414	0.140508077	0.073121968	0.114552436
CASC5	green	0.182611904	7.21E-05	0.174501492	0.000150635
CBS	green	-0.190214049	3.51E-05	-0.202949654	9.87E-06
CBX2	green	0.029066427	0.530934688	0.017024345	0.713663887
CBX5	green	-0.027800799	0.548982099	-0.053005683	0.252957021
CCDC12	green	-0.021262718	0.64672858	0.003090424	0.946895523
CCDC142	green	-0.13088092	0.004611683	-0.164893114	0.000345778
CCDC15	green	-0.192087811	2.93E-05	-0.19804751	1.62E-05
CCDC18	green	-0.050468368	0.276417903	-0.070974913	0.12562058
CCDC34	green	0.067534114	0.145067428	0.072143556	0.119497434
CCDC77	green	-0.181290801	8.15E-05	-0.20340528	9.41E-06
CCNA2	green	0.120075864	0.009395688	0.114750619	0.013089035
CCNB1	green	0.125539043	0.006599506	0.134558985	0.00357618
CCNB2	green	0.108346945	0.019179654	0.12140067	0.008634921
CCNE1	green	-0.190680556	3.36E-05	-0.166837926	0.0002933
CCNE2	green	0.078559389	0.089932367	0.061265588	0.186283338
CCNF	green	0.0724217	0.118075001	0.084960614	0.066592877
CCT3	green	0.084636434	0.067641585	0.055493578	0.231331902
CCT6A	green	0.056653376	0.22171126	0.046543831	0.315538116
CD3EAP	green	-0.058471649	0.20720943	-0.078346745	0.09080809

CD59	green	-0.011946628	0.796803524	0.013374904	0.773138218
CD81	green	-0.107228941	0.020464931	-0.114118557	0.01360299
CDC123	green	0.060745854	0.190053336	0.041336532	0.372780569
CDC20	green	0.059434148	0.199816589	0.072380631	0.118284194
CDC25A	green	0.039592429	0.393303711	0.032075991	0.489258718
CDC25C	green	-0.001424949	0.975500108	0.002331841	0.959917961
CDC45	green	0.127381728	0.005840525	0.12843663	0.005442228
CDC6	green	0.222126382	1.25E-06	0.211445127	4.04E-06
CDC7	green	-0.021333061	0.645639553	-0.046719658	0.313711458
CDCA2	green	0.15235554	0.000956873	0.146571196	0.001492638
CDCA3	green	0.065633618	0.156751915	0.071626262	0.122178435
CDCA4	green	0.032145634	0.488315552	0.025330363	0.585056042
CDCA5	green	0.015899412	0.73183165	0.017131739	0.711937718
CDCA7	green	0.294894065	7.99E-11	0.26870969	3.63E-09
CDCA8	green	0.046094621	0.320236477	0.051650248	0.265311953
CDH24	green	0.14851906	0.001287321	0.124053045	0.007274727
CDK1	green	0.12939416	0.005102039	0.120197462	0.009323457
CDK16	green	0.004965921	0.91476714	0.034215633	0.460732933
CDK2	green	0.001062664	0.981727788	-0.039725752	0.391711206
CDK5RA	green	-0.165493016	0.000328723	-0.178635231	0.000103918
CDKN2A	green	-0.365279225	3.46E-16	-0.352999634	3.77E-15
CDKN3	green	0.078075291	0.091935929	0.076737087	0.097660829
CDR2L	green	-0.138094715	0.002784347	-0.132438094	0.00414409
CDT1	green	0.263618289	7.29E-09	0.285302252	3.39E-10
CELSR3	green	0.020094238	0.664927486	-0.001565439	0.973085454
CENPA	green	-0.057374034	0.215879188	-0.053699857	0.246786696
CENPE	green	0.00994015	0.830361408	0.001611425	0.972295137
CENPF	green	0.072416503	0.118101458	0.068089608	0.141780995
CENPH	green	0.134532277	0.003582869	0.128369088	0.005466978
CENPI	green	-0.015847401	0.73267535	-0.016144248	0.727864338
CENPK	green	0.137625384	0.002879352	0.126033308	0.006387699
CENPL	green	0.013924883	0.76408001	0.002915571	0.949896061
CENPN	green	0.162415371	0.000425335	0.173810386	0.00016015
CENPO	green	-0.031798246	0.49302991	-0.031381588	0.498716236
CENPP	green	-0.059629201	0.198342104	-0.062206837	0.179596507
CENPU	green	0.174194142	0.000154799	0.165944431	0.000316411
CENPW	green	-0.063466783	0.170926192	-0.052752141	0.255237177
CEP55	green	0.121138671	0.008780868	0.11741113	0.011108584
CEP72	green	-0.152177925	0.000970253	-0.157134249	0.000654907
CEP85	green	0.098082705	0.034089079	0.065542976	0.157326466
CEP89	green	-0.122771107	0.007906178	-0.125709697	0.006525675
CERS1	green	-0.00051338	0.99117199	-0.023756095	0.608602022
CH25H	green	-0.009861329	0.831686415	-0.026693253	0.565018993
CHAC2	green	0.059576659	0.198738509	0.0429863	0.353988451
CHAF1A	green	0.302332336	2.51E-11	0.306421938	1.31E-11

CHAF1B	green	0.188054633	4.32E-05	0.183591641	6.59E-05
CHEK1	green	0.074290193	0.108859974	0.049713099	0.283678246
CHEK2	green	0.00399613	0.93136624	-0.016129556	0.728102206
CHRA1	green	-0.171319147	0.000199339	-0.211890505	3.85E-06
CHRNA5	green	0.107424672	0.02023465	0.074181246	0.109381227
CIAO1	green	-0.236950867	2.21E-07	-0.237287368	2.12E-07
CILP2	green	-0.216324742	2.38E-06	-0.230791222	4.60E-07
CIRBP	green	0.145476403	0.001620835	0.13092528	0.004597729
CIT	green	0.033514218	0.469980736	0.027056515	0.559734408
CKAP2	green	0.059791147	0.197123927	0.035143811	0.448652804
CKAP2L	green	0.015928071	0.731366877	0.002654228	0.954382106
CKAP5	green	0.05512423	0.234456837	0.022124724	0.633435925
CKS1B	green	-0.069328632	0.134656331	-0.078057877	0.092008663
CKS2	green	0.138330434	0.002737715	0.147733642	0.001366763
CLCN2	green	-0.164728157	0.00035061	-0.171299412	0.000199682
CLIC1	green	0.012085712	0.794490438	0.03274998	0.48017212
CLPB	green	0.16471119	0.00035111	0.183541968	6.62E-05
CLPTM11	green	-0.058688792	0.205524537	-0.04348478	0.348429843
CLSPN	green	0.08617207	0.062791379	0.067278547	0.146598822
CLU	green	-0.034718759	0.454162431	-0.03855958	0.405772761
CMC2	green	0.186163146	5.17E-05	0.208682608	5.42E-06
CNOT10	green	0.0931019	0.044333205	0.062923726	0.174624129
COLGAL	green	-0.033989612	0.463701782	-0.050247206	0.278530712
COPS3	green	0.235157888	2.74E-07	0.221443007	1.35E-06
COPS7B	green	0.113105177	0.014464135	0.098149731	0.033966303
COQ2	green	0.186763587	4.89E-05	0.175155141	0.000142125
COQ3	green	0.000700531	0.987953968	0.007811042	0.866309323
CPSF3	green	0.023174168	0.617411011	0.027532337	0.552848706
CPSF4	green	0.015004211	0.746397644	0.010545152	0.820207374
CRY2	green	-0.053756946	0.246283964	-0.072665854	0.116837335
CSE1L	green	-0.103075049	0.025918086	-0.129015525	0.005234201
CSNK2B	green	-0.054286427	0.241655392	-0.080117127	0.083722002
CSPG5	green	0.048796115	0.29266473	0.03474974	0.453759575
CSTF2	green	0.086052241	0.063159245	0.09858898	0.033170983
CTPS1	green	-0.136133699	0.003201226	-0.167591131	0.000275052
CUL1	green	-0.108343752	0.019183223	-0.113899447	0.013785261
CWF19L1	green	-0.025781933	0.578380728	-0.040456703	0.383049714
CX3CR1	green	-0.130968729	0.004584099	-0.136334843	0.003155996
CYB5D2	green	0.19831497	1.58E-05	0.187447735	4.58E-05
CYP27A1	green	-0.086074757	0.063089987	-0.080426696	0.082530038
DARS2	green	0.145178186	0.001657465	0.114204067	0.013532435
DAXX	green	-0.03416903	0.461344204	-0.02457863	0.596246943
DAZAP1	green	0.253112933	2.93E-08	0.252610313	3.12E-08
DBF4	green	-0.018710587	0.686734236	-0.023300449	0.61549469
DBF4B	green	-0.036800378	0.427544586	-0.037939436	0.413371224

DBN1	green	-0.058595379	0.206248139	-0.051384532	0.267781748
DCAF15	green	-0.133189106	0.003934278	-0.136495197	0.003120356
DCLRE1I	green	0.067013714	0.148198714	0.036245101	0.434554965
DCUN1D	green	-0.050450381	0.276589328	-0.058065051	0.21039119
DDIAS	green	-0.02772846	0.550022669	-0.044877985	0.333189221
DDX11	green	0.118180861	0.010587439	0.109231808	0.01821283
DDX27	green	-0.312060192	5.25E-12	-0.318649276	1.76E-12
DEPDC1	green	-0.003176152	0.945424669	-0.012483456	0.787885602
DEPDC1I	green	0.003907116	0.932891429	-0.014113229	0.760985242
DDFA	green	-0.047833151	0.302304806	-0.05309059	0.252196611
DGAT2	green	-0.174390826	0.000152122	-0.197236787	1.76E-05
DHCR24	green	0.037825571	0.414775444	0.033548818	0.469522171
DHCR7	green	0.177811913	0.000111968	0.165471368	0.000329325
DHFR	green	0.17993518	9.23E-05	0.157064364	0.0006586
DHRS12	green	-0.002486514	0.957261739	-0.017148964	0.711660982
DHX37	green	0.046254405	0.318560074	0.052429702	0.258157451
DIAPH3	green	0.082377641	0.075330185	0.086364512	0.062204295
DLGAP5	green	0.017794046	0.701325031	0.012835045	0.782059829
DNA2	green	0.068657677	0.138479438	0.046840934	0.312455584
DNAJB1I	green	-0.178281176	0.000107311	-0.173959621	0.000158049
DNAJC1C	green	-0.250615418	4.04E-08	-0.239738192	1.58E-07
DNAJC9	green	0.079147072	0.087547331	0.049789735	0.282935733
DNASE2	green	0.119920512	0.009488693	0.121427459	0.008620121
DNMT1	green	0.106664299	0.021142052	0.098923882	0.032575322
DNMT3A	green	-0.157364133	0.000642895	-0.152831055	0.000921886
DNMT3B	green	0.036130583	0.436008948	0.015644379	0.735971803
DONSON	green	0.108290734	0.019242555	0.083241567	0.072309481
DPF1	green	-0.068715172	0.138148602	-0.070270642	0.129426653
DPH2	green	-0.116688869	0.011618116	-0.117609817	0.010971933
DRG1	green	0.02379742	0.607978582	0.015083284	0.745107304
DROSHA	green	-0.222508072	1.19E-06	-0.258897676	1.37E-08
DSCC1	green	-0.009567019	0.836638062	-0.040340905	0.384414024
DSN1	green	-0.066755978	0.149768454	-0.080034212	0.084043607
DTD1	green	-0.023239407	0.616420678	-0.020712576	0.65527158
DTL	green	0.224068348	1.00E-06	0.212246421	3.71E-06
DTYMK	green	0.20059447	1.26E-05	0.205677487	7.44E-06
DUSP9	green	-0.25549046	2.15E-08	-0.26135468	9.88E-09
E2F1	green	-0.056714776	0.221210028	-0.049265729	0.28803896
E2F2	green	0.106868936	0.020894436	0.10192811	0.027628519
E2F3	green	-0.09362479	0.043148427	-0.106049977	0.021900766
E2F7	green	0.269022733	3.48E-09	0.259074183	1.34E-08
E2F8	green	0.073799714	0.111222182	0.076185428	0.100102001
EBP	green	0.070837957	0.126353838	0.081998715	0.076687107
ECT2	green	0.007789977	0.866666504	-0.005374732	0.90778054
EIF1AD	green	-0.05989498	0.196345762	-0.054612978	0.238831375

EIF2AK1	green	0.13869784	0.002666449	0.140040073	0.002420227
EIF2S2	green	-0.094220381	0.041831523	-0.097849806	0.034518644
ELAVL1	green	0.221846965	1.29E-06	0.215582387	2.58E-06
ELOVL6	green	0.132080318	0.004247559	0.126027489	0.006390157
EMC1	green	-0.005202529	0.910722658	-0.026389503	0.569456097
EME1	green	0.01798444	0.698284811	0.01453458	0.754075751
ENTPD2	green	0.305094477	1.62E-11	0.298741051	4.41E-11
EPHX2	green	-0.042499236	0.359473387	-0.054801696	0.237209971
EPT1	green	0.008761033	0.850230957	-0.008294621	0.858117544
ERAL1	green	0.059629893	0.198336889	0.051808437	0.263849052
ERCC6L	green	-0.008768933	0.850097494	-0.00627587	0.892405863
ERH	green	0.142222692	0.002063781	0.142596318	0.002007813
ESCO2	green	0.223652535	1.05E-06	0.200231753	1.30E-05
ESM1	green	0.087461194	0.058944432	0.073389474	0.11322876
ESPL1	green	-0.041421294	0.371800313	-0.06349697	0.170722361
EVA1C	green	-0.251405674	3.65E-08	-0.231222809	4.37E-07
EWSR1	green	0.093963219	0.042395912	0.078377421	0.090681337
EXO1	green	0.127528617	0.005783538	0.121350524	0.008662687
EXOSC1	green	-0.096804565	0.036503716	-0.114130783	0.013592883
EXOSC2	green	0.007557877	0.870603698	-0.01948606	0.674479111
EXOSC3	green	-0.075976336	0.101039845	-0.082043087	0.076527193
EZH2	green	0.046521357	0.315772098	0.03399446	0.46363799
FABP5	green	0.050374871	0.277309763	0.029685632	0.522215669
FADS1	green	0.124521284	0.007055582	0.090108969	0.051653176
FADS2	green	0.36763789	2.16E-16	0.351311585	5.19E-15
FAF1	green	-0.010681573	0.817921841	-0.004821291	0.91724049
FAM111E	green	0.185698065	5.41E-05	0.158198113	0.000601009
FAM132E	green	-0.050720751	0.274020158	-0.023976053	0.605286971
FAM136A	green	0.086809337	0.060864571	0.099754781	0.031136777
FAM32A	green	-0.151439066	0.001027786	-0.136192682	0.003187902
FAM63A	green	0.030809517	0.506579804	0.005976027	0.897517414
FAM64A	green	0.066618399	0.150611545	0.055470385	0.231527256
FAM72A	green	-0.065011971	0.16072433	-0.075667602	0.102437353
FAM72B	green	-0.113791671	0.013875702	-0.132909053	0.004011366
FAM72C	green	-0.037972863	0.412959513	-0.012137502	0.793629587
FAM72D	green	-0.075024272	0.105398663	-0.073547172	0.112454086
FAM83D	green	0.004440327	0.92375916	0.004871314	0.916384941
FANCA	green	0.182697254	7.16E-05	0.175026879	0.000143758
FANCB	green	-0.057917919	0.211551185	-0.062379893	0.178386682
FANCC	green	0.219813478	1.62E-06	0.198769939	1.51E-05
FANCD2	green	0.070853404	0.126270969	0.055731479	0.22933478
FANCE	green	-0.116869728	0.011488623	-0.140717373	0.002304023
FANCG	green	0.091821766	0.047349724	0.079314252	0.086878229
FANCI	green	0.180983014	8.39E-05	0.166553864	0.000300471
FARSA	green	-0.00027305	0.99530459	0.00596256	0.897747103

FARSB	green	0.08141424	0.078818972	0.059553538	0.19891313
FASN	green	0.15344598	0.000878394	0.134159075	0.003677537
FASTKD	green	-0.045255223	0.329137439	-0.058549568	0.206603677
FBN2	green	0.004786833	0.917829883	0.008158266	0.860425875
FBXL19	green	-0.045089749	0.330910807	-0.054682525	0.238232949
FBXO31	green	0.079545045	0.08596129	0.086799629	0.060893552
FBXO41	green	-0.13568278	0.003304768	-0.134373684	0.003622825
FBXO43	green	-0.001129956	0.980570944	-0.017771129	0.701691305
FBXO45	green	-0.073463002	0.112867044	-0.080185669	0.083456897
FBXO5	green	-0.060997985	0.188217514	-0.077527442	0.094246293
FEN1	green	0.170974974	0.00020541	0.17509532	0.000142885
FIGNL1	green	-0.078296187	0.091017305	-0.104838741	0.023466099
FKBP4	green	-0.098633549	0.033091181	-0.097348944	0.035458083
FOXK2	green	-0.005599537	0.903941598	-0.038999954	0.400427818
FOXM1	green	0.098780977	0.032828367	0.095128189	0.039889604
FOXRED	green	0.162273249	0.000430379	0.141701768	0.002144196
FTSJ1	green	0.065912959	0.154991238	0.074787633	0.106504822
FUS	green	-0.082564102	0.074669683	-0.095937601	0.038222995
GADD45	green	0.08624239	0.062576324	0.069555288	0.133383387
GADD45	green	0.090244449	0.051301295	0.08842912	0.056185966
GARS	green	0.02539201	0.584142652	0.032459218	0.484080831
GAS2L3	green	-0.012879758	0.781319809	-0.02412519	0.603043875
GATAD2	green	0.027358925	0.555353377	0.022244392	0.631599722
GATB	green	0.003191171	0.945167003	-0.005484966	0.905897819
GATC	green	-0.038518904	0.406268584	-0.03764531	0.417004236
GCDH	green	-0.096265069	0.037565694	-0.091360039	0.048479138
GEMIN2	green	-0.05485422	0.236760083	-0.079382033	0.08660812
GEN1	green	-0.046442169	0.316597449	-0.065393568	0.158276981
GGH	green	0.0742515	0.109044874	0.058701009	0.205430042
GID8	green	-0.195028062	2.19E-05	-0.194836923	2.24E-05
GIN51	green	0.038936713	0.401192793	0.037189119	0.422676035
GIN52	green	0.262411174	8.58E-09	0.26689001	4.67E-09
GIN53	green	0.289783829	1.74E-10	0.269009158	3.48E-09
GIN54	green	-0.015490776	0.738469064	-0.040023464	0.388169229
GLA	green	0.109706333	0.017712087	0.102716236	0.026443099
GLDC	green	-0.219415857	1.69E-06	-0.225237155	8.76E-07
GMEB2	green	-0.128488921	0.005423136	-0.123344026	0.007618161
GMNN	green	-0.002971396	0.948938015	-0.000345134	0.994065051
GMPS	green	-0.075221996	0.1044814	-0.109860841	0.017551659
GNPDA1	green	0.138784077	0.002649969	0.120005408	0.009437767
GPC2	green	-0.092680504	0.045307822	-0.114588365	0.01321931
GPB1	green	0.017792933	0.70134283	-0.003113643	0.94649713
GPR19	green	-0.324246961	6.81E-13	-0.311732561	5.54E-12
GPRIN1	green	0.090213011	0.051382769	0.075508589	0.103163094
GPSM2	green	0.013825716	0.765710953	-0.00088995	0.984697158



GRK6	green	0.002922983	0.949768848	0.010593307	0.819400429
GSG2	green	0.140440979	0.002350814	0.137568502	0.002891065
GTF2IRD	green	-0.055179373	0.233988404	-0.073984231	0.110328836
GTF3C2	green	-0.029718273	0.5217581	-0.046215795	0.318964632
GTPBP2	green	-0.025034617	0.589447145	-0.029884946	0.519424821
GTPBP3	green	-0.131200293	0.004512069	-0.149092093	0.001232066
GTPBP4	green	-0.047272766	0.308010578	-0.085220047	0.065763274
GTSE1	green	0.151830852	0.000996898	0.14491968	0.00168983
H2AFV	green	0.019490652	0.674406794	0.025345371	0.584833615
H2AFX	green	0.217917829	2.00E-06	0.226599684	7.49E-07
H2AFY	green	0.177866687	0.000111415	0.168982002	0.000244112
H2AFZ	green	0.252580522	3.14E-08	0.258236378	1.50E-08
HAPLN1	green	0.104700734	0.02365045	0.108413038	0.019105925
HAUS5	green	-0.132533711	0.004116827	-0.163092113	0.000402063
HAUS8	green	-0.049112947	0.289538457	-0.047332438	0.307399648
HDAC1	green	0.043870815	0.344163333	0.028204271	0.543196118
HDAC8	green	0.134979445	0.003472352	0.116211862	0.011965859
HDGF	green	-0.042961821	0.354262845	-0.053849221	0.245472901
HELLS	green	0.157172848	0.000652876	0.134458714	0.003601353
HENMT1	green	-0.45529767	2.82E-25	-0.435281585	5.18E-23
HINFP	green	-0.003339873	0.942616194	-0.030026836	0.51744272
HJURP	green	0.025984347	0.575400184	0.016410697	0.723555053
HMCES	green	0.02498232	0.5902252	0.02860786	0.537438885
HMGA1	green	-0.111063129	0.016346097	-0.093085105	0.044371711
HMGB2	green	-0.021595847	0.641577887	-0.038565392	0.405701944
HMGB3	green	0.118208549	0.010569104	0.12637901	0.006243201
HMMR	green	0.046573401	0.315230427	0.030775608	0.507047943
HN1	green	0.177394757	0.000116267	0.19289633	2.71E-05
HNRNPA	green	0.137088734	0.002991594	0.143350861	0.001898996
HPDL	green	-0.389750051	2.17E-18	-0.387444148	3.56E-18
HPRT1	green	0.097251245	0.035643843	0.0946264	0.040953353
HSF2BP	green	-0.226327403	7.73E-07	-0.251382711	3.66E-08
HSPA14	green	0.026558547	0.566984691	0.004478939	0.923098236
HSPA9	green	0.066428448	0.151781485	0.058612441	0.206115838
HSPD1	green	-0.025433017	0.583535439	-0.040484863	0.382718382
HTT	green	0.112307995	0.015174873	0.11599011	0.012130628
IFRD2	green	0.090798129	0.049883944	0.086136722	0.06289971
IGFBP4	green	-0.056643325	0.221793388	-0.050143833	0.279522009
ILF2	green	0.113796168	0.013871918	0.088290681	0.056573808
ILF3	green	-0.034741482	0.453866935	-0.068155162	0.141396956
ILKAP	green	-0.077386327	0.094848851	-0.065930144	0.154883408
IMPA2	green	0.059086686	0.202462933	0.070049301	0.130641092
INA	green	-0.118035863	0.01068392	-0.114975578	0.012910286
INCENP	green	0.05036548	0.277399452	0.039525819	0.394100808
INTS8	green	0.02084815	0.653162056	0.005434184	0.906765081

IQGAP3	green	0.094544872	0.041128429	0.082996329	0.073156729
IRAK1	green	-0.048908108	0.291557085	-0.042454139	0.359983908
KCNC4	green	-0.149983469	0.00115044	-0.158605589	0.000581479
KCNK6	green	0.153954604	0.000843861	0.150647172	0.001092931
KCTD1	green	-0.140858893	0.002280395	-0.15650498	0.000688861
KDM1A	green	0.067605604	0.144641245	0.05646177	0.223280637
KIAA010	green	0.297038218	5.74E-11	0.305626662	1.49E-11
KIAA152	green	-0.091466724	0.048216197	-0.107346357	0.020326517
KIAA168	green	-0.194469744	2.32E-05	-0.195555087	2.08E-05
KIF11	green	0.130255887	0.004812397	0.120457274	0.009170778
KIF14	green	0.084480818	0.068149784	0.072833093	0.115995445
KIF15	green	0.050068426	0.28024663	0.031546332	0.496463759
KIF18A	green	-0.014308851	0.757774947	-0.010441297	0.821948336
KIF18B	green	0.068294481	0.140583415	0.071140494	0.124738485
KIF1A	green	-0.230444368	4.79E-07	-0.253560855	2.76E-08
KIF20A	green	0.070940148	0.125806397	0.075967249	0.101080759
KIF20B	green	0.048292778	0.29767759	0.023398887	0.6140027
KIF22	green	-0.013625754	0.769002796	0.000490466	0.991565992
KIF23	green	0.008022111	0.862732015	-0.008251845	0.858841552
KIF2C	green	-0.028217326	0.5430094	-0.023967464	0.605416266
KIF4A	green	0.049297673	0.287726099	0.044896951	0.332984753
KIF4B	green	0.072884731	0.115736462	0.075026339	0.105389045
KIFC1	green	0.028624088	0.537208034	0.038004183	0.412573979
KLC3	green	-0.099533886	0.03151381	-0.111441406	0.015982095
KLHL14	green	-0.079380548	0.086614031	-0.064878012	0.161590192
KLRG2	green	-0.256399505	1.91E-08	-0.262094232	8.95E-09
KNOP1	green	-0.02088007	0.652665776	-0.025769057	0.578570571
KNSTRN	green	0.058400925	0.207760351	0.05138205	0.267804893
KNTC1	green	0.009320536	0.840790014	-0.015627603	0.736244405
KPNA2	green	0.106686377	0.021115215	0.103054058	0.02594855
KRI1	green	-0.13431656	0.003637316	-0.146698278	0.001478376
KXD1	green	0.121569853	0.00854183	0.120938767	0.008893697
L2HGDH	green	0.066544517	0.151065777	0.044168078	0.340900698
LAPTM4	green	-0.030013125	0.517634086	-0.034445586	0.457723342
LDHA	green	0.306551089	1.28E-11	0.312982769	4.51E-12
LEMD2	green	-0.248757012	5.12E-08	-0.24287073	1.07E-07
LETM1	green	0.151321189	0.001037251	0.165601772	0.000325717
LIG1	green	0.114219069	0.01352009	0.089723002	0.052666704
LIMK1	green	-0.070617157	0.127542983	-0.064252208	0.165681722
LIPG	green	0.070213442	0.129739655	0.051495136	0.266751793
LMNB1	green	0.165289127	0.00033443	0.156808617	0.000672279
LMNB2	green	0.217901859	2.00E-06	0.210066813	4.68E-06
LPCAT1	green	0.037049968	0.424415018	0.029893419	0.51930635
LRP8	green	-0.167819634	0.00026973	-0.177117815	0.000119206
LRR1	green	0.054703406	0.238053479	0.051489185	0.266807139

LRRC1	green	0.020648907	0.656263208	0.032689977	0.480977328
LRRC14E	green	-0.174059342	0.000156659	-0.188061109	4.32E-05
LRRC20	green	0.286543354	2.82E-10	0.278887085	8.64E-10
LRRC29	green	0.06830279	0.14053501	0.096362031	0.037372917
LRRC8D	green	-0.126845172	0.006052997	-0.130668717	0.004678963
LSG1	green	-0.248068576	5.59E-08	-0.238277271	1.88E-07
LSM2	green	0.033545456	0.469566716	0.049884282	0.282021501
LSM4	green	0.085206874	0.065805193	0.099291441	0.031932111
LSM8	green	-0.084960084	0.066594582	-0.08750739	0.058810279
LSS	green	0.081111407	0.079942311	0.064963087	0.161039891
LYNX1	green	-0.09618135	0.037732817	-0.076205349	0.100013012
LYRM9	green	0.023254793	0.61618722	0.003501847	0.939838397
MAD2L1	green	0.057554229	0.214438291	0.059897715	0.196325297
MAD2L2	green	0.010335567	0.823721624	-0.00696236	0.880720067
MAGEF1	green	-0.236130193	2.44E-07	-0.218569717	1.86E-06
MAGOH	green	-0.119307879	0.009863486	-0.124120967	0.007242566
MAP4K2	green	0.012003246	0.795861697	0.001335081	0.977044809
MAP6D1	green	-0.171299733	0.000199677	-0.162950804	0.000406822
MAP7D2	green	-0.212607168	3.56E-06	-0.222322222	1.22E-06
MARS	green	0.046829582	0.312572997	0.042120337	0.36377685
MAST1	green	-0.16559483	0.000325908	-0.17890958	0.000101359
MASTL	green	-0.025571578	0.581485852	-0.047327063	0.307454644
MCM10	green	0.021434615	0.644068659	0.005954326	0.897887534
MCM2	green	0.008740598	0.850576177	0.005254164	0.909840345
MCM3	green	-0.055545672	0.23089353	-0.063313399	0.171964684
MCM4	green	0.071909274	0.12070591	0.057766308	0.212751306
MCM5	green	0.100028758	0.030674509	0.10554882	0.022537098
MCM6	green	0.044987202	0.332012876	0.028217814	0.543002428
MCM7	green	-0.007835669	0.865891798	-0.014500249	0.754638007
MCM8	green	-0.165185622	0.000337362	-0.180809228	8.52E-05
MCUR1	green	-0.195372327	2.12E-05	-0.206972994	6.49E-06
MDC1	green	-0.096420965	0.037256159	-0.110893065	0.016512095
MED26	green	-0.1597997	0.000527583	-0.174649819	0.000148663
MED8	green	-0.082953003	0.073307251	-0.06072779	0.190185365
MELK	green	0.114447309	0.013333492	0.115675777	0.01236762
MEST	green	-0.126473693	0.006204139	-0.124220734	0.007195555
METTL1	green	-0.065322662	0.158729594	-0.079743168	0.085180386
METTL2	green	0.146980688	0.00144713	0.148699915	0.001269641
MEX3A	green	0.077580888	0.09401888	0.04545009	0.327056969
MEX3D	green	0.318593927	1.78E-12	0.326642964	4.51E-13
MGLL	green	0.057356772	0.216017586	0.026219515	0.571946446
MGME1	green	-0.124319503	0.007149285	-0.130552184	0.004716286
MICB	green	0.05455966	0.239290877	0.057716362	0.213147737
MIS18A	green	-0.02430031	0.600414759	-0.034255882	0.46020536
MKI67	green	0.150405171	0.001113586	0.145112526	0.001665632

MMACH1	green	0.080256088	0.083185242	0.081318344	0.0791733
MMS22L	green	-0.069454787	0.133946671	-0.081917625	0.07698005
MND1	green	0.195493438	2.10E-05	0.194843151	2.24E-05
MORC2	green	-0.022118658	0.633529055	-0.06842721	0.139811702
MRGBP	green	-0.232090521	3.95E-07	-0.238018432	1.94E-07
MRPL11	green	-0.127668481	0.005729742	-0.128847005	0.005294007
MRPL15	green	-0.083485632	0.071474255	-0.103492412	0.025318727
MRPL3	green	-0.098888274	0.032638217	-0.108011839	0.019557308
MRPL37	green	0.066595819	0.150750259	0.07944481	0.086358561
MRPL47	green	-0.144029905	0.001805711	-0.129863861	0.004942274
MRPL48	green	0.076416247	0.099074758	0.041500709	0.37088333
MRPS16	green	0.073290723	0.113715993	0.069279136	0.134935549
MRPS7	green	0.033902869	0.464843989	0.0383825	0.407933948
MRT04	green	-0.034932966	0.451381089	-0.031732324	0.493927272
MSH2	green	-0.055571011	0.230680517	-0.075764526	0.101996976
MSI1	green	-0.041169793	0.374713536	-0.049788061	0.282951945
MTA2	green	0.255175548	2.24E-08	0.234727922	2.89E-07
MTBP	green	-0.193358796	2.59E-05	-0.240575501	1.42E-07
MTCH2	green	0.243732392	9.63E-08	0.25359141	2.75E-08
MTFR2	green	-0.033139469	0.47496319	-0.02279229	0.62322179
MTHFD1	green	0.137891875	0.002825051	0.113403179	0.014206059
MTHFD1	green	-0.107598226	0.02003235	-0.098298604	0.033694946
MTHFD2	green	0.013820074	0.765803779	-0.001784083	0.969328039
MTIF2	green	-0.084638899	0.067633557	-0.084370783	0.068511013
MYBL1	green	-0.060921742	0.188771272	-0.087940985	0.057563393
MYBL2	green	0.078756904	0.089125025	0.094070431	0.04215984
MYCL	green	-0.219938618	1.59E-06	-0.222841367	1.15E-06
MYO19	green	0.218590458	1.85E-06	0.195698315	2.05E-05
MYO9B	green	-0.098932758	0.032559659	-0.083209693	0.072419145
NAA40	green	0.041948587	0.365738083	0.024392629	0.599030839
NANP	green	0.033465811	0.470622697	0.022847143	0.622385679
NAPIL4	green	0.202042607	1.08E-05	0.197866087	1.65E-05
NASP	green	-0.068881213	0.137196577	-0.086690691	0.061219556
NAT10	green	0.018603731	0.688429471	-0.014685069	0.751612687
NCAPD2	green	-0.02260849	0.626026949	-0.040762796	0.379457636
NCAPD3	green	0.181349009	8.11E-05	0.156319209	0.000699193
NCAPG	green	0.104708399	0.023640179	0.097546165	0.035085602
NCAPG2	green	0.027936307	0.547035478	0.008493099	0.854759685
NCAPH	green	0.050175696	0.279216206	0.046888699	0.31196186
NCBP2	green	-0.223104937	1.12E-06	-0.232254893	3.87E-07
NDC1	green	-0.01220893	0.792442713	-0.039374914	0.395910245
NDC80	green	-0.119737467	0.009599327	-0.123124537	0.007727376
NDOR1	green	0.064012383	0.16727013	0.060396075	0.192621881
NDRG2	green	-0.032759338	0.480046603	-0.045073726	0.33108285
NDUFAF	green	-0.047709726	0.303555439	-0.042650836	0.357760507

NDUFB5	green	-0.173156719	0.000169667	-0.16455415	0.000355775
NEIL3	green	-0.005454326	0.906421075	-0.016715149	0.718641827
NEK2	green	0.181365383	8.09E-05	0.182629001	7.20E-05
NELFCD	green	-0.085947517	0.063482189	-0.095537422	0.039039453
NETO2	green	0.021268246	0.646642971	0.037960442	0.413112465
NFIC	green	0.235710623	2.57E-07	0.247791523	5.79E-08
NHSL1	green	0.198697439	1.52E-05	0.195880351	2.02E-05
NIF3L1	green	-0.151881698	0.000992953	-0.159264832	0.000551123
NIPSNAP	green	0.021194503	0.647785375	0.006189748	0.893873569
NKIRAS2	green	0.181306639	8.14E-05	0.194750744	2.26E-05
NMU	green	-0.101219539	0.028732999	-0.114220519	0.013518897
NOMO1	green	-0.04914152	0.28925763	-0.049491053	0.285837021
NOP2	green	0.026952755	0.561241414	0.023824538	0.607569633
NOP56	green	-0.147185594	0.00142484	-0.17229587	0.000183011
NPDC1	green	0.304305404	1.84E-11	0.31079226	6.46E-12
NPLOC4	green	-0.132833763	0.004032322	-0.138732259	0.00265986
NR1D1	green	0.009466098	0.838337522	0.009665062	0.834987797
NR2C2AI	green	0.008499796	0.854646434	0.001981308	0.96593931
NR6A1	green	-0.21241961	3.64E-06	-0.233351418	3.40E-07
NRD1	green	-0.069807065	0.131980264	-0.074463682	0.108033959
NSUN2	green	-0.099812169	0.031039458	-0.115852273	0.012234052
NSUN4	green	-0.008987003	0.846415331	-0.011911505	0.797387936
NT5DC2	green	-0.049661207	0.284181768	-0.052694688	0.255755836
NUDT15	green	0.0568424	0.220170774	0.045809138	0.323245968
NUDT19	green	-0.024468433	0.597895562	-0.016674966	0.719289651
NUDT3	green	-0.115676295	0.012367226	-0.096766725	0.036577362
NUDT5	green	0.162753733	0.000413547	0.153468032	0.00087687
NUF2	green	0.016572916	0.720935749	0.000983633	0.983086483
NUP107	green	-0.130538302	0.00472075	-0.15880186	0.000572283
NUP155	green	-0.117243596	0.011224978	-0.132873468	0.004021258
NUP210	green	0.188418087	4.17E-05	0.164618481	0.000353857
NUP43	green	0.098395433	0.033519447	0.098545401	0.033249172
NUP62	green	0.044851318	0.333476858	0.033368964	0.471908535
NUP85	green	-0.068631667	0.138629306	-0.084566477	0.067869657
NUP88	green	0.206671013	6.70E-06	0.195698267	2.05E-05
NUP93	green	0.170013969	0.000223293	0.176451073	0.000126571
NUSAP1	green	0.166814176	0.000293894	0.153645269	0.00086471
NXPH4	green	-0.140496885	0.00234128	-0.136606576	0.003095816
NXT1	green	-0.12715698	0.005928694	-0.113347483	0.014253983
ODC1	green	-0.112615726	0.014896958	-0.118324655	0.010492522
OIP5	green	0.135391799	0.003373189	0.135482147	0.003351808
ORC1	green	0.106935827	0.020814044	0.102644645	0.02654894
ORC6	green	0.102520105	0.02673393	0.110441747	0.016959799
OTX1	green	0.180674601	8.63E-05	0.190196255	3.52E-05
OXNAD1	green	-0.136391151	0.003143439	-0.12435064	0.007134753

PA2G4	green	-0.042742048	0.356732399	-0.062510405	0.177478289
PAICS	green	0.175401114	0.000139041	0.148146492	0.00132446
PARL	green	-0.319146109	1.62E-12	-0.295652561	7.11E-11
PARP2	green	-0.030359722	0.512807921	-0.048941586	0.291226528
PARPBP	green	-0.000538581	0.990738656	-0.01362451	0.769023287
PASK	green	0.165948443	0.000316304	0.150936881	0.001068669
PBK	green	0.226703655	7.40E-07	0.217553665	2.08E-06
PBXIP1	green	-0.014192351	0.759686299	-0.033814748	0.466005934
PCCB	green	0.148818189	0.001258199	0.169861667	0.000226257
PCK2	green	0.216121052	2.43E-06	0.214361305	2.95E-06
PCNA	green	0.144550808	0.001737017	0.145898174	0.001570296
PCNT	green	-0.04361041	0.347037709	-0.070457998	0.128405523
PCNXL3	green	-0.004965337	0.914777133	0.005893705	0.898921557
PDCD2L	green	-0.053322681	0.250126148	-0.05377653	0.246111673
PDCD5	green	-0.186461327	5.03E-05	-0.197851914	1.66E-05
PDE7A	green	0.095041512	0.040071664	0.073664321	0.111881304
PDHA1	green	-0.153808677	0.000853638	-0.145141215	0.001662059
PDK3	green	0.257612295	1.63E-08	0.265610455	5.56E-09
PDLIM4	green	-0.198673771	1.52E-05	-0.167406	0.000279437
PDRG1	green	-0.182183122	7.51E-05	-0.178986505	0.000100652
PDSS1	green	0.056828209	0.220286158	0.02411695	0.603167717
PGAM5	green	0.188612049	4.10E-05	0.198265561	1.59E-05
PHF5A	green	0.140030922	0.002421833	0.123628595	0.007478619
PHGDH	green	0.024743294	0.593787326	-0.001859694	0.968028827
PIF1	green	-0.022138205	0.63322896	-0.01959868	0.67270638
PIGX	green	-0.136719003	0.003071223	-0.140716769	0.002304124
PKMYT1	green	0.1536058	0.000867405	0.168118836	0.000262906
PKN3	green	0.217986826	1.98E-06	0.229979261	5.06E-07
PLA2G3	green	0.286677736	2.76E-10	0.260388054	1.12E-08
PLCD1	green	0.007551432	0.870713073	-0.014567365	0.753538952
PLCXD1	green	0.011496832	0.804296113	0.008704124	0.85119245
PLK1	green	0.090312597	0.051125051	0.101948855	0.027596741
PLK4	green	0.15610952	0.000711027	0.158967242	0.000564639
PNP	green	0.230582373	4.71E-07	0.212978243	3.42E-06
PNPLA7	green	0.037193658	0.422619374	0.032207878	0.487473415
POC1A	green	0.132549535	0.004112331	0.154563853	0.00080415
POLA1	green	0.012090921	0.79440384	-0.025436461	0.583484443
POLA2	green	0.089957088	0.05205005	0.099804723	0.03105207
POLD1	green	0.03426598	0.460073058	0.023437325	0.61342053
POLD3	green	0.054617938	0.238788662	0.022318971	0.630456525
POLE	green	0.13026909	0.004808077	0.108255024	0.019282609
POLE2	green	0.095094418	0.039960454	0.081278006	0.079322731
POLQ	green	-0.085189049	0.065861947	-0.093650965	0.043089826
POLR2D	green	0.026385512	0.569514503	0.009260104	0.841808653
POMT2	green	0.012953229	0.780104255	-0.009454269	0.838536758

POP1	green	-0.004948623	0.915062913	-0.033242747	0.473587193
POP4	green	-0.217868429	2.01E-06	-0.189556423	3.74E-05
PPIA	green	0.132095015	0.004243263	0.145144719	0.001661623
PPIF	green	0.048517199	0.295435496	0.054441093	0.240314932
PPIH	green	0.03344447	0.470905874	0.039564521	0.393637563
PPM1G	green	0.117608797	0.010972631	0.130586076	0.004705403
PRC1	green	0.10914645	0.018304204	0.091181049	0.048922984
PRDX2	green	0.216571479	2.31E-06	0.227793341	6.52E-07
PRELID1	green	0.041660001	0.369048273	0.06657449	0.150881378
PRICKLE	green	-0.010685332	0.817858877	0.008877394	0.848265693
PRIM1	green	0.032753456	0.480125492	0.007755587	0.867249667
PRIM2	green	-0.143625041	0.001860811	-0.145383662	0.001632146
PRPF4	green	0.140553406	0.002331677	0.14044562	0.002350021
PRPSAP1	green	0.010131066	0.827154043	-0.019426119	0.675423377
PRR11	green	-0.030627572	0.509094332	-0.020131284	0.6643474
PRR19	green	0.036557912	0.43059761	0.049753578	0.283285886
PSAT1	green	-0.011489062	0.804425712	-0.023484527	0.612705977
PSMA5	green	0.018395228	0.691741778	0.054910535	0.236278396
PSMA7	green	-0.049773534	0.283092599	-0.014441595	0.755598899
PSMB2	green	-0.009563626	0.836695193	0.035470967	0.444438017
PSMC2	green	-0.001581525	0.972809001	0.019264648	0.677969591
PSMC3IP	green	0.139592862	0.002499859	0.117321721	0.011170567
PSMD11	green	0.055572588	0.230667267	0.054700201	0.238081023
PSMD14	green	0.07538437	0.103732866	0.081514296	0.078450647
PSMD2	green	-0.117818269	0.010830169	-0.088709137	0.055408233
PSRC1	green	-0.001096765	0.981141531	-0.011971967	0.796381989
PTBP1	green	0.297415745	5.42E-11	0.293871033	9.35E-11
PTDSS1	green	-0.021802374	0.638393263	-0.061407601	0.185262862
PTMA	green	0.086784259	0.060939462	0.079441547	0.08637152
PTTG1	green	0.09395698	0.042409684	0.108827909	0.018648734
PUS7	green	0.01948341	0.674520858	-0.021644512	0.640826882
PVR	green	0.166426389	0.000303742	0.143789378	0.001838263
PVRL1	green	0.259910249	1.20E-08	0.250765888	3.96E-08
PXMP2	green	0.105771348	0.022252597	0.0901796	0.051469478
R3HDM1	green	0.084469302	0.068187516	0.067961775	0.14253219
RAB15	green	0.157127251	0.000655276	0.114398454	0.013373242
RAB8A	green	-0.041531208	0.370531544	-0.026756693	0.564094361
RAC3	green	0.043083457	0.352900686	0.041714603	0.368420543
RACGAP	green	0.053040015	0.252649353	0.037813192	0.414928281
RAD18	green	-0.058179476	0.209492237	-0.079066579	0.087870963
RAD23A	green	-0.077627979	0.093818871	-0.080147656	0.083603842
RAD51	green	0.140769343	0.00229532	0.148917953	0.001248622
RAD51A	green	-0.045712677	0.324266978	-0.058408786	0.207699066
RAD54B	green	-0.102721784	0.026434912	-0.12337554	0.007602595
RAD54L	green	-0.010621619	0.818926088	-0.015328807	0.741105314

RAE1	green	-0.253350645	2.84E-08	-0.272625309	2.10E-09
RANBP1	green	-0.000249454	0.99571036	-0.007897661	0.864840934
RARA	green	0.169684335	0.000229755	0.155014728	0.000775882
RASD1	green	0.150423383	0.001112019	0.156986796	0.000662721
RBL1	green	-0.016687939	0.719080477	-0.031108399	0.502463345
RBM15	green	-0.042936835	0.354543074	-0.056306186	0.224560787
RBM28	green	-0.157177874	0.000652612	-0.175837482	0.000133724
RBPMS	green	-0.025686288	0.579791612	-0.007970619	0.863604472
RCC1	green	0.078456939	0.090353431	0.081098777	0.079989441
RCC2	green	0.141201915	0.002224041	0.137059288	0.002997866
RCCD1	green	0.136608372	0.003095421	0.112327799	0.015156852
RCE1	green	-0.034900479	0.451802289	-0.054687969	0.238186145
RCOR2	green	-0.015414846	0.739704533	-0.031324176	0.499502483
RDM1	green	-0.034244592	0.460353313	-0.013958308	0.763530511
RECQL4	green	0.099060471	0.032335018	0.101630265	0.028088255
REEP4	green	0.144452063	0.001749852	0.15677732	0.000673971
RELT	green	0.015927726	0.731372475	0.008764101	0.850179122
RFC2	green	0.152017565	0.000982481	0.157988613	0.000611286
RFC3	green	0.093699968	0.042980299	0.06911488	0.135865359
RFC4	green	-0.180041141	9.14E-05	-0.187056831	4.75E-05
RFC5	green	0.003845454	0.933948092	-0.023361304	0.614572145
RFT1	green	-0.005325256	0.908625708	-0.012109977	0.794087075
RFWD3	green	0.242527709	1.12E-07	0.232184319	3.90E-07
RHNO1	green	0.069967259	0.131093472	0.052347224	0.258908134
RMI2	green	-0.035719683	0.441248905	-0.027266055	0.556697005
RNASEH	green	-0.103742591	0.024965217	-0.104192811	0.024339767
RNASEH	green	0.05310274	0.25208792	0.056311734	0.224515048
RNF34	green	0.17277925	0.000175402	0.164285416	0.000363892
RNF8	green	0.008579334	0.853301574	0.021338609	0.645553689
RNFT2	green	0.115447163	0.012542543	0.115187815	0.012743623
RNPS1	green	-0.03365487	0.468118157	-0.027510677	0.55316125
RP11-103	green	0.075566184	0.102899757	0.050537783	0.275757008
RPA3	green	0.053105388	0.252064238	0.074120724	0.109671641
RPAIN	green	0.157630688	0.000629222	0.148216999	0.001317357
RPIA	green	0.083015748	0.073089346	0.06161513	0.183779027
RPL39L	green	-0.230505763	4.76E-07	-0.20549934	7.58E-06
RPP38	green	0.037496475	0.418849754	0.033231064	0.47374274
RPP40	green	-0.089798548	0.05246703	-0.102194258	0.027223196
RQCD1	green	0.204857665	8.10E-06	0.203904795	8.94E-06
RRM1	green	0.202857338	9.96E-06	0.184907457	5.82E-05
RRM2	green	0.224878062	9.12E-07	0.221343996	1.36E-06
RRP36	green	0.016785409	0.717509615	0.026059592	0.574294047
RRS1	green	-0.139122682	0.002586152	-0.170644935	0.000211395
RTKN2	green	0.040968428	0.377056134	0.024709062	0.594298269
RUVBL1	green	-0.059701315	0.197798978	-0.061973274	0.181238955



SAPCD2 green	0.330000987	2.51E-13	0.340237153	4.04E-14
SASS6 green	-0.063068332	0.17363367	-0.086515207	0.061747732
SCD green	0.364021529	4.44E-16	0.358735115	1.25E-15
SDCCAG green	0.190814928	3.31E-05	0.175059219	0.000143345
SEC61A2 green	-0.101126589	0.028880658	-0.127032745	0.005977943
SEMA4D green	-0.016472007	0.722564724	-0.017822211	0.700874995
SENP1 green	-0.05484601	0.236830364	-0.097111556	0.03591088
SEPHS1 green	0.042676881	0.357466747	0.017986483	0.698252216
SEPT3 green	-0.072045291	0.120003151	-0.082525507	0.074806009
SERPINB green	-0.086819787	0.060833388	-0.07776476	0.093239854
SETD8 green	0.065216002	0.159412269	0.054616362	0.238802238
SFMBT1 green	-0.193905022	2.45E-05	-0.192939701	2.70E-05
SFXN1 green	0.187197503	4.69E-05	0.180684508	8.62E-05
SFXN3 green	0.001043457	0.982057989	0.018189384	0.695017631
SFXN5 green	-0.084970131	0.066562293	-0.086379796	0.062157861
SGOL1 green	0.005206661	0.910652043	-0.004550695	0.921870106
SGOL2 green	-0.007491792	0.87172531	-0.022068366	0.634301458
SHCBP1 green	0.205931514	7.24E-06	0.211741589	3.91E-06
SHMT2 green	0.097899824	0.034426004	0.086822777	0.060824466
SIGMAR green	0.160804579	0.000485864	0.148029359	0.001336338
SKA1 green	0.106496044	0.02134755	0.108458473	0.019055383
SKA3 green	0.141303108	0.002207661	0.13757623	0.002889471
SKP2 green	0.083624236	0.07100345	0.066521333	0.151208533
SLBP green	0.096921848	0.036276254	0.083481212	0.071489311
SLC16A1 green	-0.192236006	2.89E-05	-0.191799016	3.01E-05
SLC16A1 green	-0.218252822	1.92E-06	-0.225710261	8.29E-07
SLC20A1 green	0.199681442	1.38E-05	0.17330675	0.000167437
SLC25A1 green	-0.119333267	0.009847698	-0.143709544	0.001849185
SLC25A3 green	0.083763094	0.070534328	0.095578745	0.038954465
SLC27A1 green	0.046502682	0.315966607	0.058976723	0.203305715
SLC29A2 green	-0.057217874	0.217133507	-0.059019385	0.202978444
SLC35A2 green	-0.053897594	0.245048459	-0.02698015	0.560843347
SLC44A2 green	-0.120802993	0.008971066	-0.131768546	0.004339621
SLC5A6 green	0.012960649	0.779981527	-0.013663273	0.768384819
SLMO1 green	-0.308659669	9.13E-12	-0.32810086	3.50E-13
SLX4 green	0.239345465	1.65E-07	0.241305987	1.30E-07
SMARCE1 green	0.020210757	0.663103635	0.00020843	0.996415809
SMC1B green	-0.252148537	3.32E-08	-0.254460143	2.46E-08
SMC2 green	0.19923434	1.44E-05	0.167530181	0.000276489
SMC4 green	-0.036901353	0.426276861	-0.073647694	0.111962461
SMG5 green	-0.082874617	0.073580215	-0.075446943	0.103445544
SMPD4 green	-0.093663289	0.04306226	-0.120950596	0.008886985
SNRPA1 green	0.093132167	0.044263888	0.104126595	0.024430898
SNRPB green	0.027539711	0.55274232	0.030942622	0.504744387
SNRPC green	-0.088233341	0.056735095	-0.074339793	0.108623311

SNRPD1	green	0.028360944	0.54095753	0.024633942	0.595420223
SNRPD3	green	0.088425827	0.056195165	0.085832975	0.06383697
SOD3	green	0.026043498	0.57453055	0.04851664	0.295441074
SOX12	green	-0.205553122	7.53E-06	-0.193868891	2.46E-05
SPAG5	green	0.065668619	0.156530481	0.060987046	0.188296889
SPC24	green	0.044423967	0.338108031	0.063966848	0.167572999
SPC25	green	0.012557208	0.786662546	0.010742523	0.816901204
SPDL1	green	-0.066013617	0.154360473	-0.098170779	0.033927825
SPRYD3	green	0.073169444	0.114316632	0.077472306	0.094481358
SRD5A1	green	-0.102079829	0.027396831	-0.128924445	0.005266448
SRRT	green	0.023635666	0.61042045	0.021713439	0.639763813
STIL	green	0.08347124	0.071523286	0.079026429	0.088032751
STIP1	green	0.015725238	0.734658318	0.017302233	0.709200338
STMN1	green	0.021379078	0.644927531	0.003329545	0.94279335
SUMO3	green	-0.201860896	1.10E-05	-0.212144625	3.75E-06
SUV39H1	green	-0.059946627	0.195959536	-0.029360438	0.526785563
SUV39H2	green	0.013360052	0.77338327	-0.007063645	0.878998068
SYCE2	green	-0.08809226	0.057133562	-0.089513869	0.053222761
SYNGR3	green	-0.067856704	0.143151906	-0.067166974	0.147271237
SYT13	green	-0.379813454	1.79E-17	-0.382050304	1.12E-17
TACC3	green	0.037367542	0.42045236	0.050238048	0.278618439
TAF11	green	-0.122712738	0.00793606	-0.119200626	0.009930437
TAF5	green	-0.008007112	0.862986145	-0.02730312	0.55616057
TARS	green	-0.055073932	0.234884686	-0.061058567	0.187778354
TATDN2	green	0.043243283	0.351115865	0.040312965	0.384743655
TBC1D31	green	-0.127309313	0.005868804	-0.148673406	0.001272218
TCF19	green	0.083687424	0.070789659	0.090316703	0.051114449
TCF3	green	0.304175232	1.87E-11	0.312930409	4.55E-12
TCOF1	green	-0.053862861	0.245353169	-0.072079525	0.119826775
TDP1	green	0.190469373	3.43E-05	0.180082122	9.11E-05
TDRKH	green	-0.029087246	0.530640348	-0.059040194	0.202818952
TEAD2	green	-0.067522988	0.145133843	-0.087180986	0.059763592
TEAD4	green	-0.136569942	0.003103868	-0.127011203	0.00598652
TERT	green	0.086968786	0.060390183	0.066529111	0.151160626
TFAP4	green	-0.215595219	2.58E-06	-0.209330124	5.06E-06
TFG	green	-0.089895273	0.052212302	-0.078818305	0.088875242
TFRC	green	0.08115402	0.079783461	0.073733858	0.111542399
THOC3	green	-0.043504685	0.348209037	-0.049597518	0.284800577
THOC5	green	-0.096879471	0.036358303	-0.107018582	0.020714958
TICRR	green	0.026341458	0.570159438	0.014493221	0.754753117
TIGD3	green	0.145958105	0.001563233	0.136705446	0.003074179
TIMELES	green	0.0791651	0.087474981	0.046753012	0.313365738
TIMM23	green	0.204297972	8.58E-06	0.213221004	3.34E-06
TIMM8A	green	-0.144993215	0.001680565	-0.145249115	0.001648685
TIPIN	green	0.236709395	2.27E-07	0.210058556	4.69E-06

TK1	green	0.140852047	0.002281533	0.160556117	0.000495884
TMEM10	green	0.081422346	0.078789081	0.094804475	0.040573139
TMEM10	green	0.17389878	0.000158903	0.154856292	0.000785709
TMEM17	green	-0.12224768	0.00817777	-0.10136076	0.028509897
TMEM18	green	0.263799072	7.11E-09	0.255007866	2.29E-08
TMEM18	green	0.026322382	0.570438809	0.03764689	0.416984667
TMEM19	green	-0.109744679	0.017672153	-0.144269658	0.001773791
TMEM20	green	-0.026872089	0.562414363	-0.03830317	0.408904342
TMEM20	green	0.163098112	0.000401862	0.144983735	0.001681757
TMEM38	green	-0.134217757	0.003662503	-0.128447472	0.005438265
TMEM41	green	-0.341155089	3.42E-14	-0.333912533	1.26E-13
TMEM97	green	0.12818805	0.005533817	0.089265546	0.053889359
TMPO	green	0.029384887	0.526441284	0.016209072	0.726815136
TMSB15	green	-0.075632795	0.102595865	-0.110664636	0.016737385
TNFSF12	green	0.112181338	0.015290574	0.12511593	0.0067858
TNPO2	green	-0.020602275	0.656989884	-0.044209592	0.340446632
TOM1L2	green	0.00873358	0.850694748	0.02326986	0.61595864
TOMM34	green	-0.033061182	0.476007696	-0.03937031	0.395965529
TOMM40	green	0.001994493	0.965712784	0.010099738	0.82768015
TOMM5	green	-0.027281253	0.556477012	-0.030451056	0.511540045
TONSL	green	0.054346125	0.241137377	0.036672239	0.429156483
TOP2A	green	0.132527905	0.004118478	0.12060765	0.009083429
TOP3A	green	0.311888807	5.40E-12	0.302946478	2.28E-11
TOPBP1	green	-0.155535791	0.00074436	-0.182216512	7.48E-05
TPCN1	green	-0.170231	0.000219131	-0.172501792	0.000179732
TPGS2	green	0.125431458	0.006646435	0.114744649	0.013093808
TPMT	green	0.089290767	0.053821343	0.088159074	0.056944566
TPRG1L	green	0.026043788	0.574526293	0.045946296	0.321797802
TPX2	green	-0.015484306	0.738574315	-0.016066428	0.729124546
TRA2B	green	-0.120945505	0.008889873	-0.145212338	0.001653232
TRAIP	green	-0.0724552	0.11790458	-0.066417089	0.151851669
TRIM59	green	0.033878249	0.465168459	0.025995756	0.575232399
TRIP13	green	-0.07901028	0.088097892	-0.081578946	0.0782134
TROAP	green	0.022032219	0.63485687	0.026900426	0.562002188
TRPC4A	green	0.039668819	0.392390773	0.040068588	0.387634073
TTC31	green	0.02889657	0.533339248	0.009552141	0.836888545
TTF2	green	0.037454728	0.419368264	0.020911018	0.65218476
TTI1	green	-0.158628603	0.000580393	-0.187596003	4.52E-05
TTK	green	-0.103830633	0.024841828	-0.105641295	0.022418488
TTL	green	-0.029184802	0.529262174	-0.055481194	0.231436199
TTLL4	green	0.001939696	0.966654235	-0.021260727	0.646759416
TTYH3	green	0.109683893	0.017735493	0.131602587	0.004389358
TUBA1C	green	0.089522404	0.053199973	0.090843608	0.049768992
TUBB	green	-0.059945193	0.195970252	-0.052768568	0.255089007
TUBB3	green	0.013559286	0.77009792	0.00292163	0.949792068

TYMS	green	0.116030268	0.012100642	0.106053555	0.02189628
U2AF2	green	0.056086167	0.226380011	0.033707999	0.467415663
UBA1	green	0.093570113	0.043271055	0.117113316	0.011316235
UBE2C	green	0.018881398	0.684027639	0.021866619	0.637403947
UBE2O	green	0.021430318	0.6441351	0.00881035	0.849397911
UBE2S	green	-0.002068988	0.964432977	-0.000895455	0.98460251
UBE2T	green	0.243747287	9.61E-08	0.243495726	9.91E-08
UBL4A	green	0.058041634	0.210575506	0.046491912	0.316078831
UCHL1	green	-0.41323228	1.10E-20	-0.403796961	9.65E-20
UCK2	green	0.126630982	0.006139735	0.094951536	0.040261397
UFD1L	green	0.138523071	0.002700136	0.158995884	0.000563325
UHRF1	green	0.302194798	2.57E-11	0.296549448	6.19E-11
ULBP1	green	0.138264843	0.002750619	0.121395108	0.008637997
UMPS	green	-0.125158407	0.006766888	-0.138547006	0.0026955
UNC119	green	0.021583007	0.641776104	0.015242571	0.74251016
UNG	green	0.039515874	0.39421991	0.004472297	0.923211924
USP39	green	-0.02446666	0.597922113	-0.037639985	0.417070184
VDAC1	green	0.226402433	7.66E-07	0.223091576	1.12E-06
VDAC3	green	0.122317505	0.008141065	0.095142594	0.039859415
VRK1	green	-0.105429943	0.022690369	-0.11076119	0.016641832
VSIG2	green	-0.18596644	5.27E-05	-0.168151429	0.000262172
WBP1L	green	0.132033905	0.004261151	0.108426259	0.019091206
WDHD1	green	0.040884394	0.378036413	0.015909499	0.731668048
WDR53	green	-0.312417072	4.95E-12	-0.319054105	1.64E-12
WDR62	green	0.072005183	0.120210045	0.076669041	0.097959353
WDR70	green	-0.275603654	1.38E-09	-0.288496987	2.11E-10
WDR76	green	0.240210383	1.49E-07	0.216431352	2.35E-06
WFS1	green	0.103402784	0.02544642	0.077703127	0.093500402
WHSC1	green	0.161036456	0.000476683	0.142829723	0.001973558
WRAP73	green	0.236669028	2.29E-07	0.235248764	2.71E-07
WRNIP1	green	-0.07007105	0.130521374	-0.071811619	0.121212441
XPO5	green	-0.142475899	0.002025698	-0.159878207	0.000524208
XRCC2	green	0.006122143	0.895025964	-0.003199936	0.945016644
XRCC3	green	0.023337605	0.614931337	0.027612551	0.551691999
XXYLT1	green	-0.105999109	0.021964636	-0.09976015	0.031127661
XYLB	green	0.147959997	0.001343418	0.13590545	0.003253263
YARS	green	0.09290548	0.044785274	0.108845885	0.018629142
YARS2	green	0.205715943	7.41E-06	0.193252779	2.61E-05
YBX1	green	-0.088961728	0.054714364	-0.098063672	0.034124013
YBX2	green	-0.227569741	6.70E-07	-0.223109798	1.12E-06
YKT6	green	-0.028786619	0.534898675	-0.002303813	0.960399341
YRDC	green	-0.008057995	0.862124121	-0.010561289	0.819936933
YTHDF1	green	-0.138262868	0.002751008	-0.130395337	0.004766945
ZBTB24	green	-0.19244125	2.83E-05	-0.208427567	5.57E-06
ZBTB7A	green	0.263771519	7.14E-09	0.287925139	2.29E-10

ZC3HC1	green	-0.053503714	0.248519403	-0.069745288	0.132323481
ZCCHC1	green	-0.009146311	0.843727465	0.016055499	0.729301577
ZER1	green	0.081451957	0.078679967	0.096134632	0.037826351
ZFP69B	green	0.009725412	0.833972354	-0.020900975	0.652340844
ZGRF1	green	-0.037574464	0.417882113	-0.051741439	0.264467961
ZNF367	green	0.155932511	0.000721161	0.133615704	0.003819427
ZNF48	green	-0.016538613	0.721489351	-0.02000184	0.666375188
ZNF492	green	-0.288562581	2.09E-10	-0.276496872	1.22E-09
ZNF530	green	-0.078743068	0.089181393	-0.087977554	0.057459241
ZNF620	green	-0.087050174	0.06014922	-0.105612444	0.022455435
ZNF629	green	-0.160444693	0.00050044	-0.165315719	0.00033368
ZNF695	green	-0.033052963	0.476117429	-0.042716403	0.357021271
ZNF726	green	-0.183490319	6.65E-05	-0.170342161	0.000217028
ZNF862	green	0.040240978	0.385593723	0.024539586	0.596830834
ZPR1	green	-0.133975077	0.00372504	-0.1401099	0.002408004
ZSCAN1	green	0.084604527	0.067745529	0.076666503	0.097970502
ZWILCH	green	0.13573987	0.003291493	0.120951821	0.008886291
ZWINT	green	0.209636851	4.90E-06	0.203851116	8.99E-06
ZYG11A	green	-0.182662522	7.18E-05	-0.19457012	2.30E-05
ABCC5	greenyellow	-0.225314818	8.68E-07	-0.264591791	6.38E-09
ACIN1	greenyellow	0.049479769	0.285947023	0.013573985	0.769855706
ACTB	greenyellow	0.219619523	1.65E-06	0.257708488	1.61E-08
ADAT2	greenyellow	-0.038207406	0.410077603	-0.075592697	0.102778715
AGAP10	greenyellow	0.052805116	0.254759582	0.03438059	0.458572886
AGAP4	greenyellow	-0.08626862	0.062496264	-0.119393418	0.009810378
AGAP6	greenyellow	0.055764516	0.229058411	0.045742373	0.32395243
AHI1	greenyellow	0.016843014	0.716581794	-0.002168862	0.962717295
AHSA2	greenyellow	-0.131695408	0.004361477	-0.151490913	0.001023649
ALG13	greenyellow	0.053858016	0.245395688	0.059757492	0.197376638
ANKRD1	greenyellow	-0.053132203	0.251824506	-0.083182425	0.072513069
ANKRD2	greenyellow	-0.036236417	0.43466512	-0.062184152	0.179755544
ANKRD4	greenyellow	-0.054964233	0.235819726	-0.057222477	0.217096458
ARGLU1	greenyellow	-0.155713335	0.000733894	-0.18786597	4.40E-05
ATG101	greenyellow	-0.027883581	0.547792494	-0.018670741	0.687366204
ATG14	greenyellow	-0.211193106	4.15E-06	-0.240973165	1.35E-07
ATG16L2	greenyellow	0.027051912	0.559801211	0.011295112	0.807662204
ATG9A	greenyellow	0.062114736	0.180242852	0.069730445	0.132406042
ATP6V0L	greenyellow	0.242945779	1.06E-07	0.299008442	4.23E-11
ATXN3	greenyellow	-0.196168054	1.96E-05	-0.213080742	3.39E-06
BRWD1	greenyellow	-0.11952398	0.009729807	-0.141628793	0.002155687
C12orf29	greenyellow	0.004667589	0.919869847	-0.027576849	0.552206681
C16orf52	greenyellow	-0.202356164	1.05E-05	-0.22416023	9.90E-07
C1orf52	greenyellow	-0.226033716	7.99E-07	-0.244620367	8.62E-08
C2CD5	greenyellow	-0.09424707	0.041773315	-0.12664746	0.006133023
C5orf28	greenyellow	-0.097893151	0.034438351	-0.10504177	0.023197152

C5orf45	greenyellow	-0.035477936	0.444348473	-0.057136497	0.217789216
C5orf63	greenyellow	0.114417104	0.013358056	0.118008417	0.01070227
C7orf55-I	greenyellow	-0.022743141	0.623971371	-0.052659051	0.256077916
C8orf44	greenyellow	-0.244779534	8.45E-08	-0.267794962	4.12E-09
CAPN3	greenyellow	-0.027694128	0.550516869	-0.041295287	0.373258141
CAPRN2	greenyellow	-0.14257254	0.002011333	-0.161698879	0.000451336
CARD8	greenyellow	-0.107883131	0.019704068	-0.143554377	0.001870585
CATSPEI	greenyellow	-0.038225074	0.409860989	-0.052346481	0.258914899
CBWD7	greenyellow	-0.024183495	0.602167953	-0.040425756	0.383414038
CCAR1	greenyellow	0.100959645	0.029147498	0.068741139	0.137999377
CCDC14	greenyellow	-0.005484467	0.905906341	-0.044122654	0.341397969
CCDC66	greenyellow	-0.039725591	0.391713125	-0.061904404	0.181725376
CCDC84	greenyellow	-0.035140176	0.448699768	-0.045541304	0.326086057
CCNL1	greenyellow	-0.244703546	8.53E-08	-0.27630513	1.25E-09
CCNL2	greenyellow	-0.01777772	0.701585951	-0.033034291	0.476366759
CCNT2	greenyellow	-0.093473181	0.043489169	-0.12179987	0.008416701
CDC16	greenyellow	-0.00846195	0.855286501	-0.022797568	0.623141318
CEBPZO	greenyellow	0.057798331	0.212497408	0.055811113	0.228669004
CENPJ	greenyellow	0.031416957	0.4982322	-0.005365134	0.907944488
CEP162	greenyellow	0.082605638	0.074523195	0.063403919	0.171351247
CEP290	greenyellow	-0.086770015	0.060982034	-0.137905706	0.002822259
CEP57L1	greenyellow	-0.093471302	0.043493406	-0.102164756	0.027267872
CEP95	greenyellow	-0.147404118	0.001401416	-0.175685538	0.000135554
CFAP44	greenyellow	0.011261552	0.808222556	-0.012712496	0.784089078
CLK1	greenyellow	-0.133334475	0.003894794	-0.147389247	0.001402999
CLK4	greenyellow	-0.174929722	0.000145007	-0.186774522	4.88E-05
CSAD	greenyellow	-0.037804173	0.415039649	-0.057961158	0.211209807
CXorf23	greenyellow	0.022108253	0.633688835	-0.009381088	0.839769625
DBNL	greenyellow	0.046640921	0.314528599	0.09197511	0.046979547
DDX17	greenyellow	-0.004679095	0.919672974	-0.042521907	0.359216901
DDX20	greenyellow	-0.098686837	0.03299598	-0.132617508	0.004093067
DDX26B	greenyellow	-0.144576465	0.001733697	-0.168277595	0.000259351
DDX39B	greenyellow	-0.063358347	0.171659878	-0.088647492	0.055578675
DDX47	greenyellow	-0.122282323	0.008159541	-0.140982807	0.002259889
DFNB59	greenyellow	-0.108999227	0.018462742	-0.120789561	0.008978752
DMTF1	greenyellow	-0.071109861	0.124901309	-0.096793802	0.03652465
DMXL2	greenyellow	0.051253179	0.269008453	0.010151393	0.82681272
DPY19L2	greenyellow	-0.11488156	0.012984727	-0.124517947	0.007057122
EGFL8	greenyellow	-0.152323383	0.000959283	-0.179940621	9.23E-05
EHD1	greenyellow	0.000259187	0.995542987	0.034584592	0.455909403
ENOSF1	greenyellow	0.102754669	0.02638643	0.083022164	0.073067095
EP400NL	greenyellow	0.103772239	0.024923608	0.093192633	0.04412568
ESF1	greenyellow	-0.161596287	0.000455178	-0.186970557	4.79E-05
ETHE1	greenyellow	0.309729632	7.68E-12	0.313990065	3.82E-12
ETNK1	greenyellow	-0.014740806	0.75070108	-0.043645473	0.346649798

EXOG	greenyellow	0.009804553	0.83264114	-0.009624635	0.835668185
FAM111A	greenyellow	0.117193367	0.011260084	0.110893167	0.016511996
FAM126E	greenyellow	-0.05760569	0.214028063	-0.053024692	0.252786637
FAM133E	greenyellow	-0.006978122	0.880452046	-0.040402117	0.383692462
FAM76B	greenyellow	-0.072087032	0.11978813	-0.104230474	0.024288064
FAM92A	greenyellow	-0.025428492	0.583602428	-0.053371052	0.249696128
FANCL	greenyellow	-0.084030983	0.069636443	-0.12231093	0.008144515
FASTKD1	greenyellow	-0.192079434	2.93E-05	-0.208988937	5.25E-06
FBXW7	greenyellow	0.02395725	0.605570038	0.000802622	0.986198628
FNBP4	greenyellow	-0.060479251	0.1920088	-0.106241887	0.021661252
GCFC2	greenyellow	-0.113977846	0.013719798	-0.134249967	0.003654275
GIN1	greenyellow	-0.043966339	0.343112742	-0.06013466	0.194558079
GLMN	greenyellow	-0.061448281	0.184971305	-0.092149518	0.046561475
GNRH1	greenyellow	0.027023757	0.560209978	0.032942626	0.477591848
GOLGA6	greenyellow	-0.001241502	0.978653388	-0.019376655	0.67620298
GOLGA8	greenyellow	-0.061982845	0.181171434	-0.088831299	0.055071744
GOLGA8	greenyellow	-0.036205516	0.435057249	-0.057832547	0.212226368
GOPC	greenyellow	-0.171350046	0.000198802	-0.200548535	1.26E-05
GPR75-A	greenyellow	-0.165223664	0.000336281	-0.172518766	0.000179464
GTDC1	greenyellow	-0.091428598	0.048310026	-0.116202959	0.011972436
HAUS3	greenyellow	-0.062817031	0.17535761	-0.085346963	0.065360529
HNRNPA	greenyellow	-0.180765665	8.55E-05	-0.209690104	4.87E-06
HNRNPH	greenyellow	-0.021273245	0.646565555	-0.069082399	0.136049809
HSPBAP1	greenyellow	-0.267587308	4.24E-09	-0.29275493	1.11E-10
IFT80	greenyellow	-0.118331459	0.01048805	-0.141247132	0.002216708
IQCB1	greenyellow	-0.061751941	0.182805634	-0.100537316	0.029832004
KATNBL	greenyellow	0.069171554	0.135543991	0.045372802	0.327881108
KIAA090	greenyellow	-0.088008319	0.057371741	-0.119819657	0.00954951
KIAA110	greenyellow	-0.154758662	0.000791821	-0.195258775	2.14E-05
KIN	greenyellow	-0.09880776	0.032780816	-0.114570487	0.013233734
KLHL31	greenyellow	-0.095771273	0.038560567	-0.099096918	0.032271152
L3HYPD1	greenyellow	-0.08587612	0.063703142	-0.088563161	0.05581255
L3MBTL1	greenyellow	-0.303112409	2.22E-11	-0.312944342	4.54E-12
LCORL	greenyellow	0.087818558	0.057913215	0.079433035	0.086405328
LIPT1	greenyellow	-0.215535367	2.59E-06	-0.22849376	6.02E-07
LRRC39	greenyellow	-0.153348497	0.00088516	-0.159552581	0.000538341
LUC7L3	greenyellow	-0.122691146	0.007947139	-0.148298385	0.001309201
6-Mar	greenyellow	-0.112787949	0.014743381	-0.132217812	0.004207523
MARK3	greenyellow	-0.077450359	0.094575056	-0.0828499	0.07366646
METAP11	greenyellow	-0.099337871	0.031851637	-0.133492627	0.003852247
MIPOL1	greenyellow	-0.05337235	0.2496846	-0.084601826	0.067754335
MITD1	greenyellow	-0.090905771	0.04961223	-0.097605617	0.034973973
MSANTE	greenyellow	-0.126674939	0.006121844	-0.162016476	0.000439633
MSH5	greenyellow	-0.039903726	0.389591441	-0.049344349	0.287269367
MSS51	greenyellow	-0.04545078	0.327049616	-0.054459434	0.240156324

MTERF1	greenyellow	-0.220374349	1.52E-06	-0.232138363	3.92E-07
MTERF2	greenyellow	0.100528056	0.029847166	0.076470083	0.098836375
MTF2	greenyellow	-0.15668084	0.000679212	-0.177875647	0.000111324
MTRF1	greenyellow	0.067578972	0.144799897	0.055378466	0.232302646
MYSM1	greenyellow	-0.044560166	0.3366276	-0.072764947	0.116337921
N4BP2L2	greenyellow	-0.045599542	0.32546714	-0.063692428	0.16940698
NAA16	greenyellow	-0.00499857	0.914208921	-0.031411232	0.498310524
NAPB	greenyellow	-0.243812766	9.53E-08	-0.259016532	1.35E-08
NEK3	greenyellow	-0.127239654	0.005896123	-0.151805063	0.000998905
NFATC2I	greenyellow	0.019852972	0.668710263	0.006905909	0.881680064
NIPSNAP	greenyellow	-0.094722469	0.04074786	-0.107789842	0.019811041
NKTR	greenyellow	-0.027091213	0.559230892	-0.055840922	0.22842015
NPHP3	greenyellow	-0.161394232	0.000462833	-0.184005762	6.34E-05
NR2C1	greenyellow	-0.021822689	0.638080355	-0.058204549	0.209295625
NSUN6	greenyellow	-0.0528517	0.254340129	-0.094864916	0.040444768
NUPL2	greenyellow	0.000459799	0.99209332	-0.02322892	0.616579817
OFD1	greenyellow	-0.066776487	0.149643082	-0.09098086	0.049423422
OGT	greenyellow	-0.236062594	2.46E-07	-0.268680328	3.65E-09
ORAI1	greenyellow	0.136564083	0.003105157	0.161302684	0.000466341
ORC3	greenyellow	-0.191339719	3.15E-05	-0.197386017	1.74E-05
ORMDL1	greenyellow	-0.060597321	0.191140977	-0.06969035	0.132629275
OSGEPL1	greenyellow	-0.11002329	0.017384355	-0.136302041	0.003163333
PAN3	greenyellow	-0.035762886	0.440696272	-0.082126933	0.076225754
PAXBP1	greenyellow	-0.023421843	0.613654992	-0.059612379	0.198468956
PCF11	greenyellow	-0.10058202	0.029758902	-0.135010918	0.003464691
PCMTD1	greenyellow	-0.089098205	0.054342477	-0.125046906	0.006816634
PCMTD2	greenyellow	-0.236861928	2.23E-07	-0.291554155	1.33E-10
PHYKPL	greenyellow	-0.155560927	0.00074287	-0.144513554	0.001741849
PIAS2	greenyellow	-0.056199139	0.225444597	-0.069112353	0.135879702
PIGL	greenyellow	0.016410543	0.723557536	0.026328249	0.570352873
PMS1	greenyellow	-0.046437519	0.316645954	-0.086709191	0.061164093
PNISR	greenyellow	-0.145391431	0.001631196	-0.168010282	0.000265363
POC5	greenyellow	-0.049090146	0.289762696	-0.057513334	0.214764688
POLG2	greenyellow	-0.103769466	0.024927497	-0.116004652	0.012119761
POLI	greenyellow	0.091942254	0.047058658	0.071299606	0.123895392
PPWD1	greenyellow	-0.008070429	0.861913501	-0.046115216	0.320020078
PRPF38B	greenyellow	-0.068610011	0.138754177	-0.099051853	0.032350135
PRPF39	greenyellow	-0.054939943	0.236027122	-0.088074241	0.057184622
PTBP2	greenyellow	-0.342507931	2.67E-14	-0.375166686	4.69E-17
PUS10	greenyellow	-0.072024591	0.120109892	-0.086483831	0.061842563
RAD52	greenyellow	-0.156847589	0.000670178	-0.190698099	3.35E-05
RANBP1	greenyellow	0.13660992	0.003095082	0.118864607	0.010142809
RASA2	greenyellow	-0.213656151	3.18E-06	-0.242865686	1.07E-07
RBBP6	greenyellow	-0.088417276	0.05621906	-0.113306181	0.014289613
RBM25	greenyellow	0.011447144	0.80512492	-0.025771987	0.578527362



RBM39	greenyellow	-0.189097471	3.91E-05	-0.226487141	7.59E-07
RBM5	greenyellow	0.083487139	0.071469121	0.05336745	0.249728132
RBM6	greenyellow	-0.100572815	0.029773942	-0.127246196	0.005893552
RIMKLB	greenyellow	-0.169920103	0.000225116	-0.200289648	1.29E-05
RNPC3	greenyellow	-0.28620509	2.96E-10	-0.29535844	7.44E-11
RP3-509I	greenyellow	-0.146083033	0.001548604	-0.137309941	0.002944854
RSRC2	greenyellow	-0.022053672	0.634527209	-0.065218099	0.159398826
RSRP1	greenyellow	0.00036656	0.993696612	-0.001040236	0.982113365
SCLT1	greenyellow	-0.038843466	0.402322309	-0.047625557	0.304410271
SENP6	greenyellow	-0.134633001	0.0035577	-0.171991086	0.000187966
SENP7	greenyellow	-0.105587009	0.022488051	-0.128582139	0.005389251
SEPSECS	greenyellow	0.110774792	0.016628409	0.089779224	0.052518046
SETD4	greenyellow	-0.070326518	0.129121459	-0.07459096	0.107431118
SLC25A2	greenyellow	-0.230058953	5.01E-07	-0.251613386	3.55E-08
SLC25A3	greenyellow	-0.029680847	0.522282772	-0.067273527	0.146629023
SLC35A1	greenyellow	-0.032623051	0.481876309	-0.030010261	0.517674068
SLX4IP	greenyellow	0.0320303	0.489878051	0.023396739	0.614035237
SMIM8	greenyellow	-0.049849178	0.282360708	-0.050281281	0.278204476
SNX15	greenyellow	-0.166953548	0.000290428	-0.201451785	1.15E-05
SREK1	greenyellow	0.033907667	0.464780767	0.008119203	0.861087386
SRRM5	greenyellow	0.003646099	0.937365138	-0.00951508	0.837512591
SRSF10	greenyellow	0.011192839	0.809370183	-0.021636393	0.640952152
SRSF11	greenyellow	-0.092049744	0.04680026	-0.135113939	0.003439722
SRSF5	greenyellow	-0.152816174	0.000922963	-0.180014037	9.16E-05
SRSF6	greenyellow	-0.100029203	0.030673762	-0.145696261	0.001594307
STX16	greenyellow	-0.206158016	7.07E-06	-0.234249516	3.06E-07
SUPT20H	greenyellow	0.059976731	0.195734666	0.043048616	0.353290517
SUPT7L	greenyellow	-0.195298917	2.14E-05	-0.218183925	1.94E-06
TARBP1	greenyellow	0.035747228	0.44089651	0.019589358	0.672853049
TBC1D32	greenyellow	-0.154171714	0.000829506	-0.167141089	0.000285824
TBRG1	greenyellow	-0.0313586	0.499030981	-0.047977612	0.30084535
TCERG1	greenyellow	-0.054991617	0.235586074	-0.088822126	0.055096952
TCTE3	greenyellow	-0.184908415	5.82E-05	-0.183725288	6.50E-05
THAP9	greenyellow	0.005065481	0.913065026	-0.028308051	0.541712758
THOC1	greenyellow	-0.090154355	0.051535072	-0.124598777	0.007019889
THOC2	greenyellow	0.039338496	0.396347669	0.006617778	0.886582657
THUMPC	greenyellow	-0.057017907	0.218747308	-0.087819571	0.057910313
TIA1	greenyellow	-0.070654719	0.127340076	-0.101524443	0.028253171
TIAM2	greenyellow	-0.116443798	0.011795643	-0.123799306	0.007396009
TIGD1	greenyellow	-0.12287657	0.00785244	-0.135249604	0.00340709
TMEM26	greenyellow	0.091112006	0.049095098	0.066078127	0.153957251
TRA2A	greenyellow	0.105399857	0.022729302	0.087892566	0.057701537
TRIM45	greenyellow	0.020210415	0.663108984	-0.029366431	0.526701158
TRIM52	greenyellow	-0.083521355	0.071352668	-0.101239421	0.028701498
TRMT10I	greenyellow	0.079768829	0.085079661	0.06046355	0.192124419

TRMT13	greenyellow	-0.088405328	0.056252463	-0.109837333	0.017575985
TSEN2	greenyellow	-0.115079257	0.012828631	-0.134308327	0.003639409
TTC14	greenyellow	-0.347376617	1.09E-14	-0.35850153	1.31E-15
TTLL3	greenyellow	-0.058926052	0.203694926	-0.072072138	0.119864816
TUBE1	greenyellow	-0.091116498	0.049083885	-0.125207781	0.006744963
TXK	greenyellow	0.073475245	0.1128069	0.089588002	0.053025095
TYW5	greenyellow	-0.08996126	0.052039115	-0.1006287	0.029682734
U2SURP	greenyellow	-0.139164622	0.002578346	-0.174436089	0.000151512
UBN2	greenyellow	-0.020897871	0.652389088	-0.037549327	0.418193859
UPF3A	greenyellow	-0.036597342	0.430100274	-0.065487388	0.157679607
USP45	greenyellow	-0.11367668	0.013972774	-0.106874091	0.020888231
USPL1	greenyellow	-0.003555441	0.938919438	-0.04214628	0.363481172
VCPKMT	greenyellow	-0.070077458	0.130486117	-0.095067497	0.04001701
VPS18	greenyellow	0.255994112	2.01E-08	0.273222283	1.94E-09
WDR27	greenyellow	-0.142617284	0.002004714	-0.178985607	0.00010066
WDR75	greenyellow	-0.012995711	0.779401646	-0.037730841	0.415945834
WSB1	greenyellow	-0.081635406	0.078006686	-0.111422483	0.016000134
YAF2	greenyellow	-0.077910738	0.092625057	-0.088067967	0.057202409
ZBED5	greenyellow	-0.133695439	0.0037983	-0.156420084	0.000693565
ZBED8	greenyellow	-0.095463475	0.039191926	-0.116454742	0.011787664
ZBTB25	greenyellow	0.020983764	0.651054663	0.023828577	0.607508728
ZCCHC8	greenyellow	-0.068692038	0.138281642	-0.092573479	0.045558199
ZDHHC1	greenyellow	-0.172786685	0.000175287	-0.198381088	1.57E-05
ZFC3H1	greenyellow	-0.145695674	0.001594377	-0.173553112	0.000163835
ZFP62	greenyellow	0.010380828	0.822962402	-0.023191441	0.61714874
ZMAT1	greenyellow	-0.099588494	0.031420241	-0.122345856	0.008126204
ZMYM5	greenyellow	0.023282277	0.615770282	0.003673445	0.936896338
ZMYM6	greenyellow	-0.143443822	0.00188597	-0.141192798	0.002225522
ZNF10	greenyellow	-0.050926818	0.272072973	-0.083434174	0.071649691
ZNF100	greenyellow	-0.040451888	0.383106377	-0.054039744	0.243804171
ZNF138	greenyellow	0.039390051	0.395728519	0.021102631	0.649209798
ZNF140	greenyellow	0.020134158	0.66430241	-0.016990603	0.714206533
ZNF141	greenyellow	-0.036369308	0.432981129	-0.052500512	0.25751416
ZNF18	greenyellow	0.188557655	4.12E-05	0.168395019	0.00025675
ZNF195	greenyellow	-0.021246859	0.646974198	-0.034576212	0.456018633
ZNF202	greenyellow	-0.081643004	0.077978902	-0.131968399	0.004280402
ZNF224	greenyellow	0.037689865	0.416452696	0.030069904	0.516841871
ZNF251	greenyellow	-0.208199191	5.71E-06	-0.244923175	8.30E-08
ZNF254	greenyellow	0.036808452	0.427443133	0.023434653	0.613460994
ZNF26	greenyellow	-0.090955387	0.049487405	-0.112972044	0.014580757
ZNF266	greenyellow	0.040238588	0.38562197	0.029968549	0.518256475
ZNF268	greenyellow	0.045028232	0.331571646	0.033439168	0.470976251
ZNF273	greenyellow	-0.170454184	0.000214928	-0.173259916	0.00016813
ZNF326	greenyellow	-0.097570565	0.035039752	-0.129372194	0.005109624
ZNF331	greenyellow	-0.186945504	4.80E-05	-0.202841962	9.98E-06

ZNF354A	greenyellow	-0.090708198	0.050111904	-0.123661644	0.007462562
ZNF354B	greenyellow	-0.115255766	0.012690665	-0.153607514	0.000867287
ZNF429	greenyellow	0.022037653	0.634773352	0.035294435	0.446709501
ZNF43	greenyellow	-0.056384454	0.223916145	-0.059561563	0.198852505
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ZNF431	greenyellow	-0.064542235	0.163775953	-0.077297741	0.09522868
ZNF432	greenyellow	0.163460559	0.000389897	0.148147775	0.00132433
ZNF433	greenyellow	0.059353852	0.200425892	0.052126573	0.260923821
ZNF439	greenyellow	-0.18113574	8.27E-05	-0.202146171	1.07E-05
ZNF44	greenyellow	-0.133192389	0.003933382	-0.146998821	0.001445144
ZNF443	greenyellow	0.118355482	0.010472272	0.095339713	0.039448242
ZNF449	greenyellow	-0.096735335	0.03663855	-0.122510449	0.008040403
ZNF493	greenyellow	-0.048684089	0.293775501	-0.064435118	0.164477892
ZNF514	greenyellow	-0.194257364	2.37E-05	-0.225861818	8.15E-07
ZNF577	greenyellow	-0.087550694	0.058684755	-0.109213195	0.018232721
ZNF596	greenyellow	0.08584432	0.063801758	0.066488117	0.151413236
ZNF600	greenyellow	0.011016189	0.812322385	-0.012908875	0.780838011
ZNF605	greenyellow	-0.055398864	0.232130418	-0.083678032	0.070821401
ZNF638	greenyellow	-0.108536571	0.018968781	-0.149386012	0.00120458
ZNF66	greenyellow	-0.046088143	0.320304566	-0.041332265	0.372829963
ZNF675	greenyellow	-0.021793393	0.638531608	-0.028771605	0.535111798
ZNF680	greenyellow	-0.004457939	0.923457682	-0.0192052	0.678907937
ZNF681	greenyellow	0.048708582	0.293532409	0.036338024	0.433377229
ZNF682	greenyellow	0.035562603	0.44326151	0.025672661	0.579992754
ZNF684	greenyellow	-0.269739648	3.15E-09	-0.284991634	3.55E-10
ZNF700	greenyellow	0.021195952	0.647762926	-0.006456471	0.889329209
ZNF708	greenyellow	-0.041114452	0.375356462	-0.04956838	0.285083984
ZNF709	greenyellow	-0.114362211	0.013402797	-0.101417528	0.028420634
ZNF721	greenyellow	0.076479041	0.098796752	0.052557109	0.257000795
ZNF736	greenyellow	-0.187678698	4.48E-05	-0.190449558	3.43E-05
ZNF738	greenyellow	-0.112128301	0.015339253	-0.113066781	0.014497684
ZNF75A	greenyellow	-0.249907779	4.42E-08	-0.265601967	5.56E-09
ZNF763	greenyellow	-0.082058792	0.076470657	-0.082660706	0.074329341
ZNF782	greenyellow	0.016429097	0.72325779	0.000272781	0.995309222
ZNF789	greenyellow	-0.006988038	0.880283452	-0.00822472	0.859300737
ZNF799	greenyellow	0.094588034	0.041035663	0.077481507	0.094442098
ZNF823	greenyellow	-0.061595386	0.183919821	-0.085715381	0.064202898
ZNF83	greenyellow	-0.014831284	0.749221999	-0.029560708	0.523968804
ZNF84	greenyellow	-0.001280403	0.977984694	-0.035951662	0.438286205
ZNF85	greenyellow	-0.083022896	0.073064558	-0.078022819	0.092155231
ZNF92	greenyellow	-0.021560709	0.642120375	-0.034727014	0.454055069
ZNF93	greenyellow	0.072210141	0.119155706	0.066230459	0.153008267
ZRANB2	greenyellow	-0.165460054	0.00032964	-0.19880876	1.50E-05
ZSCAN3C	greenyellow	-0.091722049	0.047591753	-0.145038402	0.001674895
ZSCAN9	greenyellow	-0.013415003	0.772476722	-0.035607705	0.442683102

A1BG	grey	-0.170981411	0.000205295	-0.156410058	0.000694123
A4GALT	grey	0.142895954	0.001963936	0.143243426	0.001914153
AADAC	grey	-0.039931585	0.389260263	-0.04177904	0.367680601
AADACL	grey	0.075654708	0.102496047	0.058231529	0.209084213
AADAT	grey	0.255602848	2.12E-08	0.210002463	4.71E-06
AANAT	grey	-0.220469228	1.50E-06	-0.218214618	1.93E-06
AARD	grey	-0.313127931	4.41E-12	-0.333923989	1.26E-13
AATF	grey	-0.00706873	0.878911617	-0.017344065	0.708529258
AATK	grey	-0.156466608	0.000690984	-0.177739169	0.000112706
ABCA2	grey	0.051167165	0.269813825	0.057387961	0.215767575
ABCA3	grey	-0.25156715	3.57E-08	-0.268200265	3.90E-09
ABCA4	grey	-0.090787371	0.049911169	-0.095040558	0.040073671
ABCB5	grey	-0.153592493	0.000868315	-0.149118827	0.001229542
ABCB6	grey	0.000652922	0.988772585	0.000850439	0.985376475
ABCB9	grey	0.09193637	0.047072837	0.100953444	0.029157452
ABCC12	grey	-0.054937204	0.23605052	-0.051579556	0.265967492
ABCC2	grey	0.002823746	0.951472094	-0.004965494	0.914774453
ABCC3	grey	0.246807681	6.55E-08	0.257651415	1.62E-08
ABCC8	grey	-0.101424935	0.028409004	-0.091954109	0.047030101
ABCD4	grey	-0.122839473	0.007871306	-0.144692543	0.001718745
ABCG1	grey	0.150559706	0.001100355	0.175701784	0.000135357
ABCG4	grey	-0.237003562	2.20E-07	-0.257462451	1.66E-08
ABHD1	grey	-0.218797023	1.81E-06	-0.226195088	7.85E-07
ABHD10	grey	0.146433896	0.001508188	0.139089273	0.002592386
ABHD14	grey	-0.040659447	0.380668148	-0.061103481	0.187453256
ABHD15	grey	0.16390105	0.000375802	0.164705235	0.000351286
ABHD4	grey	0.029403866	0.526174102	-0.001895042	0.967421471
ABHD8	grey	-0.046159835	0.319551585	-0.029645698	0.522775761
ABLM1	grey	-0.086981807	0.060351577	-0.070488217	0.128241405
ABO	grey	-0.207857098	5.92E-06	-0.248183919	5.51E-08
ABR	grey	0.230369855	4.83E-07	0.224625659	9.39E-07
AC00231	grey	0.021318031	0.645872181	0.02303283	0.619558905
AC00298	grey	-0.005423529	0.906947056	-0.017740154	0.702186453
AC00300	grey	0.059812556	0.196963297	0.046485566	0.316144957
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AC00415	grey	-0.116105273	0.012044809	-0.126337995	0.00626019
AC00475	grey	-0.102142257	0.027301985	-0.121019059	0.008848225
AC00481	grey	-0.075257702	0.104316434	-0.084143698	0.069261461
AC00482	grey	-0.035782717	0.44044274	-0.042207275	0.362786591
AC00638	grey	-0.107925584	0.019655555	-0.104859413	0.023438594
AC00648	grey	-0.000372839	0.993588647	-0.008099644	0.861418648
AC00653	grey	0.032205266	0.487508733	0.022695384	0.624700093
AC00716	grey	-0.109485319	0.017943796	-0.114519845	0.013274668

AC00732\grey	0.09581343	0.03847477	0.091668855	0.047721287
AC00868\grey	-0.07358679	0.112260124	-0.075978964	0.101028014
AC00875\grey	0.116604248	0.011679145	0.113454137	0.014162336
AC00881\grey	-0.102995019	0.0260344	-0.106376353	0.021494788
AC00891\grey	0.026025035	0.574801929	0.036318474	0.433624861
AC00902\grey	-0.123951843	0.007322885	-0.124112716	0.007246466
AC00906\grey	-0.050058594	0.280341201	-0.01400975	0.76268507
AC00913\grey	0.090334267	0.051069113	0.080861273	0.080879916
AC00949\grey	0.028362981	0.540928462	0.047792549	0.302715833
AC00997\grey	-0.005084507	0.912739795	0.022540548	0.627065251
AC01018\grey	-0.031501041	0.497082465	-0.016626685	0.720068281
AC01064\grey	-0.08295012	0.073317275	-0.09244331	0.045864285
AC01151\grey	0.057420697	0.21550539	0.074325947	0.108689335
AC01153\grey	-0.08750578	0.058814949	-0.092315461	0.046166596
AC01200\grey	-0.057605409	0.214030303	-0.054801657	0.237210305
AC01614\grey	-0.023018731	0.619773333	-0.025801887	0.578086577
AC01708\grey	-0.050854542	0.272754856	-0.052020371	0.261897844
AC01851\grey	-0.023634547	0.610437356	-0.003240561	0.94431971
AC02221\grey	-0.140722417	0.002303177	-0.143606716	0.001863341
AC02243\grey	-0.209467692	4.99E-06	-0.207602284	6.08E-06
AC02436\grey	0.02593966	0.576057581	0.031598889	0.495746298
AC02459\grey	-0.008271808	0.85850365	-0.006963704	0.880697205
AC02526\grey	0.014658765	0.752043023	0.007883094	0.865087833
AC03745\grey	-0.058999665	0.203129674	-0.060897308	0.188948993
AC05573\grey	-0.034833882	0.452666433	-0.037026064	0.424714168
AC05586\grey	0.18249597	7.29E-05	0.20859794	5.47E-06
AC06482\grey	-0.017852527	0.700390702	-0.008487137	0.854860521
AC06853\grey	-0.034160807	0.461452108	-0.064097316	0.166706304
AC07307\grey	-0.072224814	0.119080505	-0.074305685	0.108786011
AC07310\grey	0.066012482	0.154367576	0.036152484	0.43573067
AC07333\grey	-0.038390208	0.407839729	-0.03948898	0.394542066
AC07361\grey	0.092175335	0.046499856	0.08872521	0.055363861
AC07935\grey	0.119571686	0.009700513	0.125994795	0.006403981
AC07990\grey	-0.05157754	0.265986202	-0.059882808	0.19643687
AC08421\grey	-0.152095473	0.000976523	-0.159069055	0.000559981
AC08765\grey	-0.071677641	0.121910072	-0.074666151	0.107076232
AC08765\grey	-0.000404243	0.993048636	-0.003885392	0.933263692
AC09229\grey	0.057510103	0.214790494	0.054265701	0.241835412
AC10405\grey	0.109842843	0.017570281	0.067079391	0.147800717
AC10438\grey	0.042417848	0.360395071	0.049919598	0.281680518
AC10438\grey	-0.042892082	0.355045324	-0.04405528	0.34213639
AC10453\grey	-0.048418832	0.296416846	-0.062906462	0.174742654
AC10458\grey	-0.168063657	0.000264152	-0.177372147	0.000116504
AC10498\grey	-0.161622943	0.000454177	-0.164080894	0.000370185
AC10892\grey	-0.114477028	0.013309363	-0.119940846	0.009476473

AC10982'grey	-0.296523303	6.22E-11	-0.317185289	2.25E-12
AC11061'grey	-0.0303882	0.51241242	-0.034826805	0.452758324
AC13896'grey	-0.089142011	0.054223558	-0.100073051	0.030600329
AC23458'grey	0.031299157	0.499845312	0.046070276	0.320492408
AC23458'grey	-0.025909886	0.576495779	-0.021543039	0.642393243
AC24137'grey	0.00278168	0.952194152	0.004706154	0.919210037
AC24158'grey	-0.008719392	0.850934458	-0.007475773	0.871997218
AC24394'grey	-0.101779144	0.027857639	-0.096950152	0.036221542
AC24423'grey	-0.029286237	0.527831138	-0.043504908	0.348206562
AC25357'grey	-0.058197072	0.209354243	-0.047188374	0.308875959
ACAA1 grey	0.203665958	9.16E-06	0.213481109	3.24E-06
ACAN grey	0.174041084	0.000156913	0.188007785	4.34E-05
ACAP3 grey	0.065486574	0.157684782	0.092042453	0.046817749
ACBD4 grey	0.010202108	0.825961277	-0.001155408	0.980133397
ACE grey	0.04106083	0.375980052	0.021959031	0.635982044
ACE2 grey	0.038622064	0.405011798	0.066559099	0.150976043
ACHE grey	-0.254405612	2.48E-08	-0.231675789	4.15E-07
ACKR3 grey	-0.29058347	1.54E-10	-0.278936696	8.58E-10
ACOT1 grey	0.0909131	0.049593776	0.088858948	0.054995824
ACOT11 grey	0.041002717	0.376656599	0.021379969	0.644913755
ACOT2 grey	0.102193751	0.027223963	0.086794402	0.060909162
ACOT4 grey	0.11429427	0.013458357	0.144820656	0.001702381
ACOT9 grey	0.045375006	0.327857581	0.046860167	0.312256716
ACOX3 grey	0.32401541	7.08E-13	0.300568254	3.31E-11
ACP6 grey	0.222910653	1.14E-06	0.208820779	5.34E-06
ACPP grey	-0.079901366	0.08456096	-0.087662798	0.058360828
ACR grey	-0.30273324	2.36E-11	-0.312747646	4.69E-12
ACRBP grey	0.003482982	0.940161883	-0.000317917	0.994533069
ACRC grey	-0.200579901	1.26E-05	-0.224370841	9.67E-07
ACSF2 grey	-0.199500112	1.40E-05	-0.177237766	0.000117924
ACSM3 grey	-0.018100609	0.696432176	-0.018290211	0.693412338
ACSM4 grey	-0.075648689	0.10252346	-0.072373168	0.118322239
ACSS2 grey	-0.029418881	0.525962775	-0.055911399	0.227832532
ACTA1 grey	0.038387258	0.407875788	0.057920707	0.211529161
ACTBL2 grey	-0.007100842	0.878365807	-0.007296624	0.875039237
ACTG1 grey	0.206168112	7.06E-06	0.205420179	7.64E-06
ACTL8 grey	-0.270637526	2.78E-09	-0.274377099	1.64E-09
ACTN2 grey	-0.186628464	4.95E-05	-0.185628883	5.44E-05
ACTN4 grey	-0.067986314	0.142387756	-0.067336904	0.146248058
ACTR1A grey	0.290953857	1.46E-10	0.313343091	4.25E-12
ACTR5 grey	-0.025766717	0.578605082	-0.036299273	0.433868149
ACTRT2 grey	-0.155684782	0.000735568	-0.150599878	0.00109694
ACTRT3 grey	-0.313832095	3.92E-12	-0.311555841	5.70E-12
ACYPI grey	0.022169128	0.632754325	0.018537941	0.689473974
AD00067 grey	0.016063125	0.729178049	-0.021709403	0.639826042

ADAD2 grey	-0.039050152	0.399821249	-0.040909242	0.377746386
ADAL grey	-0.120948778	0.008888017	-0.104112619	0.02445017
ADAM15 grey	0.278088313	9.69E-10	0.28259819	5.04E-10
ADAM21 grey	-0.212811473	3.49E-06	-0.232539167	3.74E-07
ADAMTSgrey	-0.001187274	0.979585588	-0.02360738	0.610847894
ADAMTSgrey	-0.168550315	0.000253348	-0.170305704	0.000217716
ADAMTSgrey	-0.179931998	9.23E-05	-0.212821175	3.48E-06
ADAMTSgrey	-0.31396064	3.84E-12	-0.326383187	4.71E-13
ADAMTSgrey	-0.085651281	0.064403091	-0.105710105	0.022330584
ADAMTSgrey	-0.140039157	0.002420387	-0.14102873	0.002252332
ADAMTSgrey	-0.053379476	0.249621295	-0.056552797	0.222534086
ADAMTSgrey	-0.125074132	0.006804457	-0.128408801	0.005452413
ADARB2 grey	-0.249476684	4.67E-08	-0.245385419	7.83E-08
ADCK2 grey	0.05650233	0.22294777	0.050742892	0.273810484
ADCK3 grey	-0.123991621	0.007303922	-0.133978893	0.003724049
ADCK4 grey	-0.024553555	0.596621908	-0.019281662	0.677701123
ADCY1 grey	-0.017454236	0.706762991	0.011321582	0.807220294
ADCY8 grey	-0.190057089	3.57E-05	-0.193628699	2.52E-05
ADI1 grey	0.139229787	0.002566259	0.141694292	0.002145371
ADIG grey	-0.119743325	0.009595769	-0.107659543	0.019961298
ADIPOQ grey	-0.086584973	0.061537301	-0.089486799	0.053295095
ADIRF grey	-0.014531265	0.754130033	0.026260435	0.57134649
ADM grey	0.357566743	1.57E-15	0.371196943	1.05E-16
ADM5 grey	-0.079695658	0.085367123	-0.102493354	0.02677381
ADORA1 grey	-0.137174618	0.002973368	-0.126026163	0.006390717
ADORA2 grey	0.167223901	0.000283813	0.178495646	0.000105243
ADRA1B grey	-0.297086747	5.70E-11	-0.300386819	3.41E-11
ADRA2B grey	-0.262150183	8.88E-09	-0.274471069	1.62E-09
ADRB1 grey	-0.016333866	0.724796747	0.029986537	0.518005273
ADSSL1 grey	-0.143425039	0.001888595	-0.142898258	0.001963602
AEN grey	0.365594888	3.25E-16	0.360748294	8.45E-16
AF131216grey	-0.115449908	0.01254043	-0.117144267	0.011294496
AF196779grey	-0.014071581	0.761669238	-0.02270093	0.624615452
AFF2 grey	0.137003894	0.003009698	0.106478221	0.021369419
AFM grey	-0.064107052	0.166641761	-0.056740339	0.221001589
AFMID grey	0.117596056	0.010981349	0.10372134	0.024995079
AGA grey	0.237294074	2.12E-07	0.228357285	6.11E-07
AGMO grey	-0.136023237	0.003226315	-0.139234222	0.002565439
AGPAT3 grey	0.155958363	0.000719672	0.170584773	0.000212503
AGPAT9 grey	-0.127593416	0.005758559	-0.10544525	0.022670583
AGT grey	-0.079854645	0.084743517	-0.079852313	0.084752638
AGTR2 grey	-0.020093066	0.664945842	-0.032809256	0.47937738
AHDC1 grey	-0.229092538	5.61E-07	-0.222325153	1.22E-06
AHNAK2grey	-0.168529252	0.000253807	-0.176021145	0.000131544
AHRR grey	-0.110773666	0.01662952	-0.099901331	0.030888774

AIF1L	grey	-0.250153673	4.28E-08	-0.295395468	7.40E-11
AIFM2	grey	0.176217587	0.000129249	0.212519125	3.60E-06
AIG1	grey	-0.124670975	0.00698678	-0.118389464	0.01044999
AIM1	grey	0.102643748	0.026550267	0.071460049	0.123049746
AIM1L	grey	-0.008952703	0.846994262	-0.007664301	0.868797981
AIRE	grey	-0.249965427	4.39E-08	-0.235568467	2.61E-07
AJ239318	grey	-0.076715548	0.097755243	-0.083873348	0.07016365
AJAP1	grey	-0.242812713	1.08E-07	-0.26288838	8.04E-09
AK5	grey	-0.058792271	0.204725106	-0.079918574	0.084493801
AKAP17	grey	0.05426039	0.241881559	0.037503089	0.418767639
AKAP3	grey	-0.103534921	0.025258357	-0.117917333	0.010763367
AKAP6	grey	-0.130393064	0.004767683	-0.110579124	0.016822411
AKAP8	grey	-0.153964721	0.000843187	-0.183135069	6.87E-05
AKAP8L	grey	-0.275270913	1.45E-09	-0.285025621	3.53E-10
AKIP1	grey	0.26072286	1.08E-08	0.261407488	9.81E-09
AKR1B1	grey	-0.379028946	2.11E-17	-0.377435922	2.93E-17
AKR1B1	grey	0.083799585	0.070411465	0.083082014	0.07285979
AKR1B1	grey	0.031485663	0.497292625	0.055438538	0.231795696
AKR1C1	grey	0.10498748	0.023268807	0.093627752	0.043141793
AKR1C2	grey	0.105942583	0.0220358	0.109075411	0.018380554
AKR1E2	grey	-0.166030046	0.000314125	-0.150106237	0.001139596
AKR7A2	grey	0.138402442	0.002723613	0.13845024	0.002714288
AKR7A3	grey	0.00552006	0.905298546	0.010474875	0.821385366
AKT2	grey	-0.207169862	6.36E-06	-0.220958874	1.42E-06
AL00872	grey	-0.064011604	0.167275305	-0.063261949	0.172314076
AL02154	grey	-0.029962023	0.518347624	-0.033403533	0.471449342
AL13574	grey	-0.12515113	0.006770124	-0.147844745	0.001355258
AL15883	grey	0.027283746	0.556440933	0.022675658	0.625001199
AL16242	grey	0.064325167	0.165200747	0.066245078	0.152917427
AL35885	grey	0.096694665	0.036717958	0.115841563	0.012242121
AL58974	grey	-0.182193479	7.50E-05	-0.190256477	3.50E-05
AL59180	grey	0.008638085	0.852308463	0.023877174	0.606776197
AL64572	grey	-0.008734204	0.850684199	-0.015881297	0.732125464
AL64592	grey	-0.055163759	0.234120974	-0.058311988	0.208454653
ALAD	grey	0.309942596	7.42E-12	0.291982272	1.25E-10
ALAS2	grey	0.002608912	0.955160131	-0.006463971	0.889201482
ALCAM	grey	0.12052807	0.009129562	0.102746186	0.026398929
ALDH1L	grey	0.059287561	0.200929938	0.04428362	0.339637908
ALDH1L	grey	-0.111980293	0.015475818	-0.117287286	0.011194521
ALDH2	grey	0.12848768	0.005423588	0.140021095	0.002423558
ALDH4A	grey	0.115709446	0.012342041	0.101643787	0.028067241
ALDH7A	grey	0.124759527	0.006946363	0.121611584	0.008519006
ALDH8A	grey	-0.074107472	0.109735315	-0.072547768	0.117434665
ALG1L2	grey	-0.254888824	2.32E-08	-0.282672252	4.99E-10
ALK	grey	-0.252609208	3.12E-08	-0.249870511	4.44E-08



ALKBH3 grey	-0.490320824	1.28E-29	-0.48731455	3.17E-29
ALKBH6 grey	-0.093456938	0.043525809	-0.092273212	0.046266865
ALLC grey	-0.056568024	0.222409375	-0.055577156	0.230628882
ALOX12 grey	-0.138887486	0.002630329	-0.160818665	0.000485302
ALOXE3 grey	-0.186914977	4.82E-05	-0.160736839	0.000488577
ALPI grey	0.044634884	0.335817211	0.05027948	0.278221717
ALPK2 grey	-0.124157981	0.007225092	-0.116254209	0.01193462
ALPK3 grey	-0.067723696	0.143939345	-0.058155044	0.209683944
ALPL grey	0.031665901	0.494832326	0.016113525	0.728361768
ALPPL2 grey	0.127920213	0.005634051	0.147052637	0.001439267
ALS2CL grey	-0.057086195	0.218195234	-0.062901311	0.174778033
ALS2CR1grey	-0.321699278	1.05E-12	-0.317002766	2.32E-12
ALX1 grey	-0.234489583	2.97E-07	-0.223562518	1.06E-06
ALX3 grey	-0.174027626	0.0001571	-0.171448028	0.000197109
ALX4 grey	-0.061544303	0.18428445	-0.084575031	0.067841735
AMACR grey	0.186747849	4.89E-05	0.147348765	0.001407316
AMBP grey	0.198279123	1.59E-05	0.208453173	5.56E-06
AMDHD1grey	-0.135679288	0.003305581	-0.142096507	0.002083003
AMELX grey	-0.088970172	0.054691294	-0.09560814	0.038894105
AMELY grey	-0.000806164	0.986137721	0.007802824	0.86644866
AMER2 grey	-0.14736261	0.001405838	-0.145323185	0.001639561
AMER3 grey	-0.074762501	0.106622835	-0.076144831	0.10028355
AMH grey	0.417015937	4.50E-21	0.425788452	5.45E-22
AMIGO3 grey	-0.021797353	0.638470598	-0.01354555	0.770324294
AMN grey	-0.14276499	0.001983004	-0.140958723	0.002263861
AMPD2 grey	-0.344166825	1.97E-14	-0.351938289	4.61E-15
AMTN grey	-0.068024368	0.142163991	-0.066218185	0.153084568
AMY1A grey	-0.061516488	0.184483222	-0.049435608	0.286377799
AMY1B grey	-0.077018627	0.096433378	-0.068300367	0.140549121
AMY2A grey	-0.045735565	0.324024525	-0.033994522	0.463637175
AMY2B grey	-0.189401848	3.80E-05	-0.204720636	8.21E-06
ANAPC7 grey	-0.010076319	0.828073484	-0.022358956	0.629843975
ANGPT2 grey	-0.023214343	0.616801067	-0.022262977	0.631314765
ANGPT4 grey	-0.087048921	0.060152924	-0.109616622	0.017805823
ANGPTL grey	0.287976877	2.28E-10	0.294995781	7.87E-11
ANHx grey	-0.07576711	0.101985255	-0.075728907	0.102158638
ANK1 grey	0.111577523	0.015852864	0.133349904	0.003890625
ANKH grey	-0.139022407	0.002604903	-0.108808547	0.018669858
ANKRD1 grey	0.043469772	0.34859639	0.013142705	0.776971919
ANKRD1 grey	-0.027195399	0.557720309	-0.053175807	0.251435017
ANKRD1 grey	0.008905849	0.847785245	-0.014873297	0.748535504
ANKRD1 grey	-0.074070863	0.109911355	-0.083067638	0.072909541
ANKRD2 grey	-0.184639756	5.97E-05	-0.18771674	4.46E-05
ANKRD2 grey	0.016838234	0.716658772	0.014588799	0.753188059
ANKRD2 grey	-0.080182599	0.083468757	-0.081467272	0.078623577

ANKRD2 grey	-0.065324346	0.158718831	-0.0656078	0.156915406
ANKRD3 grey	-0.281099932	6.27E-10	-0.28347524	4.43E-10
ANKRD3 grey	-0.092085407	0.04671479	-0.12342133	0.007580026
ANKRD6 grey	-0.169660387	0.000230232	-0.182292947	7.43E-05
ANKRD7 grey	-0.422586242	1.19E-21	-0.412101815	1.43E-20
ANKS6 grey	0.029266698	0.528106642	0.005039838	0.913503394
ANO10 grey	0.268208364	3.89E-09	0.282678396	4.98E-10
ANO2 grey	-0.343591816	2.19E-14	-0.353949951	3.14E-15
ANO3 grey	-0.058952342	0.203492923	-0.051725137	0.264618704
ANO7 grey	0.003504237	0.939797422	-0.004775438	0.918024786
ANO8 grey	0.230292973	4.88E-07	0.203675299	9.15E-06
ANP32D grey	0.041441674	0.371564863	0.049091499	0.289749382
ANPEP grey	0.045842201	0.322896488	0.095139446	0.039866009
ANTXRL grey	-0.1784943	0.000105256	-0.177189754	0.000118436
ANXA1 grey	0.302738243	2.35E-11	0.325697915	5.31E-13
ANXA11 grey	-0.068276364	0.140689006	-0.039276802	0.397089346
ANXA2 grey	0.347725042	1.02E-14	0.386195251	4.65E-18
ANXA2R grey	0.115307047	0.012650829	0.136125399	0.003203105
ANXA3 grey	0.052548286	0.257080777	0.065398898	0.158242997
ANXA4 grey	0.003942824	0.93227958	-0.012090713	0.794407298
ANXA9 grey	-0.121913949	0.00835525	-0.123362705	0.007608931
AOC1 grey	-0.170624388	0.000211773	-0.163387136	0.000392293
AOC2 grey	0.135142216	0.003432897	0.131826366	0.004322412
AP00027 grey	-0.193408109	2.57E-05	-0.198220189	1.60E-05
AP00029 grey	-0.14013406	0.002403788	-0.174977908	0.000144387
AP00030 grey	0.042922221	0.354707035	0.027234132	0.557159236
AP00032 grey	-0.029481725	0.525078755	-0.04209869	0.364023669
AP00035 grey	0.024301993	0.600389516	0.006250409	0.892839735
AP00072 grey	0.042431334	0.360242251	0.070472575	0.128326337
AP00341 grey	-0.078771528	0.089065484	-0.07605011	0.100708149
AP00628 grey	0.165385306	0.000331727	0.163190886	0.000398767
AP1B1 grey	0.28031879	7.02E-10	0.30297034	2.27E-11
AP1G2 grey	0.13860783	0.002683751	0.133306817	0.003902279
AP1M1 grey	-0.129769082	0.004974144	-0.11486721	0.012996123
AP2A2 grey	0.265296458	5.80E-09	0.271972507	2.31E-09
AP3B2 grey	-0.347008393	1.16E-14	-0.363950524	4.50E-16
AP3S2 grey	0.211692842	3.93E-06	0.221354322	1.36E-06
AP4B1 grey	0.148694337	0.001270183	0.153694783	0.000861341
AP5S1 grey	-0.114413121	0.013361297	-0.087867794	0.057772319
APBA2 grey	0.138792677	0.00264833	0.113859378	0.013818825
APBB3 grey	0.022394389	0.629301368	0.000120143	0.997934003
APC2 grey	0.016812536	0.717072641	0.018410252	0.691502912
APCDD1 grey	-0.203561021	9.26E-06	-0.198302763	1.58E-05
APCS grey	-0.068191516	0.141184321	-0.070651762	0.12735604
APELA grey	-0.037137491	0.423320745	-0.037766542	0.415504523

APOA1	grey	-0.287860885	2.32E-10	-0.281443162	5.97E-10
APOA4	grey	0.034721848	0.454122257	0.03427048	0.460014109
APOBEC	grey	-0.126348168	0.006255972	-0.113823968	0.013848546
APOL4	grey	0.080344898	0.082843651	0.069965036	0.131105744
APOM	grey	-0.12077706	0.008985911	-0.112609007	0.014902978
APTX	grey	0.237969415	1.95E-07	0.234550932	2.95E-07
AQP11	grey	-0.145673138	0.001597078	-0.159699626	0.000531916
AQP12A	grey	0.01965898	0.671757952	0.033880764	0.465135313
AQP12B	grey	0.045552973	0.325961984	0.052090325	0.261255987
AQP2	grey	0.187374474	4.61E-05	0.18864777	4.08E-05
AQP4	grey	-0.014883469	0.748369314	-0.039473247	0.394730613
AQP6	grey	0.074887401	0.106037347	0.089564562	0.05308753
ARAF	grey	-0.081397006	0.078882555	-0.067433201	0.145670649
ARAP1	grey	-0.165341859	0.000332945	-0.170913032	0.000206521
ARAP3	grey	-0.18718401	4.70E-05	-0.192650257	2.77E-05
ARC	grey	-0.163716262	0.000381656	-0.16923191	0.00023891
AREG	grey	0.078786067	0.089006319	0.060262947	0.193606135
ARF3	grey	0.022473323	0.628093316	0.02096372	0.65136597
ARFGAP	grey	-0.013817916	0.765839291	-0.024509074	0.597287309
ARG2	grey	0.101645011	0.028065341	0.079643342	0.085573135
ARHGAP	grey	0.166899056	0.000291778	0.182614519	7.21E-05
ARHGAP	grey	-0.197401944	1.73E-05	-0.186111475	5.20E-05
ARHGAP	grey	-0.14686487	0.00145987	-0.144952532	0.001685685
ARHGAP	grey	-0.135518777	0.003343175	-0.122995936	0.007792013
ARHGDI	grey	0.014085345	0.761443164	0.011450626	0.805066839
ARHGEF	grey	-0.055526259	0.231056823	-0.02554175	0.581926786
ARHGEF	grey	-0.041566907	0.370120038	-0.041143305	0.375021173
ARHGEF	grey	0.003170375	0.945523778	-0.0016698	0.971291924
ARHGEF	grey	-0.15762342	0.000629591	-0.192100318	2.93E-05
ARID3A	grey	0.030458634	0.511434926	0.015913694	0.731600029
ARID3C	grey	-0.093225325	0.044051107	-0.096060293	0.037975591
ARIH2OS	grey	0.077293713	0.095245978	0.074050081	0.110011391
ARL14	grey	-0.034204039	0.460884964	-0.04039926	0.383726126
ARL14EP	grey	-0.205354048	7.69E-06	-0.200185285	1.31E-05
ARL2-SN	grey	-0.070175943	0.129945166	-0.091817522	0.047360003
ARL4A	grey	0.148306671	0.001308374	0.158126358	0.000604511
ARL4D	grey	0.278601788	9.00E-10	0.292755519	1.11E-10
ARL8A	grey	0.126835386	0.006056936	0.121044559	0.008833826
ARL9	grey	0.079269056	0.087058706	0.105133339	0.023076729
ARMC12	grey	-0.115275142	0.0126756	-0.119298176	0.009869527
ARMC7	grey	0.057993732	0.210952893	0.06936635	0.134443855
ARMCX2	grey	-0.291097954	1.42E-10	-0.322826526	8.68E-13
ARMS2	grey	0.004687872	0.919522808	0.004400948	0.924433287
ARPC1A	grey	0.03812016	0.411148233	0.060315603	0.193216393
ARSE	grey	0.030414918	0.512041514	0.040663916	0.38061575

ARSF	grey	0.150757407	0.00108364	0.129363708	0.005112556
ARSG	grey	-0.266304417	5.06E-09	-0.2845497	3.79E-10
ARSH	grey	0.260290664	1.14E-08	0.23594818	2.49E-07
ARSJ	grey	0.110065866	0.017340738	0.086795328	0.060906398
ART5	grey	-0.323901643	7.22E-13	-0.33871003	5.33E-14
ARX	grey	0.041019189	0.376464756	0.045476856	0.326771868
AS3MT	grey	0.146640871	0.001484803	0.106051585	0.02189875
ASAP3	grey	-0.30873088	9.03E-12	-0.337632517	6.48E-14
ASB10	grey	-0.153480504	0.000876009	-0.137107485	0.002987606
ASB13	grey	0.074988286	0.105566291	0.034222467	0.460643332
ASB16	grey	0.033876906	0.465186168	0.040598999	0.381377257
ASB4	grey	-0.019012368	0.681955091	0.017521779	0.705680908
ASB6	grey	-0.039031988	0.400040664	-0.044588074	0.336324763
ASB9	grey	-0.075114078	0.104981258	-0.090195859	0.051427266
ASCL1	grey	0.048437452	0.296230918	0.025283553	0.585750042
ASCL2	grey	0.190646641	3.37E-05	0.169740756	0.000228637
ASCL3	grey	-0.037975637	0.412925365	-0.043824544	0.344672969
ASCL4	grey	0.006484289	0.888855468	-0.007608473	0.869745134
ASGR1	grey	-0.192953886	2.69E-05	-0.178601567	0.000104236
ASIC1	grey	0.191893498	2.99E-05	0.142244965	0.002060405
ASIC2	grey	0.007861154	0.865459752	0.003142103	0.946008831
ASIC3	grey	-0.009375108	0.839870373	-0.007251179	0.875811209
ASL	grey	0.088374416	0.056338957	0.104678743	0.023679942
ASMTL	grey	0.00527304	0.909517814	0.008949111	0.847054896
ASPG	grey	-0.194169676	2.39E-05	-0.201633244	1.13E-05
ASPHD1	grey	-0.131362815	0.004462127	-0.135333239	0.003387113
ASPHD2	grey	0.020679793	0.655782092	0.034404347	0.45826226
ASPRV1	grey	-0.175838342	0.000133714	-0.17014038	0.00022086
ASS1	grey	-0.326608072	4.53E-13	-0.296539372	6.20E-11
ASTL	grey	-0.203501241	9.32E-06	-0.234697071	2.90E-07
ASTN1	grey	-0.196149894	1.96E-05	-0.207203062	6.34E-06
ASXL3	grey	-0.218702857	1.83E-06	-0.221793234	1.29E-06
ATAD3C	grey	-0.104573104	0.023822054	-0.098524574	0.033286595
ATCAY	grey	0.042289954	0.361846406	0.048526894	0.295338899
ATF3	grey	-0.157615499	0.000629994	-0.191042842	3.24E-05
ATF4	grey	0.087590097	0.05857073	0.065272975	0.159047341
ATG10	grey	0.198831777	1.50E-05	0.20679088	6.62E-06
ATG13	grey	-0.106813407	0.020961377	-0.097385335	0.0353891
ATG7	grey	0.169474707	0.000233956	0.193083557	2.66E-05
ATHL1	grey	-0.059873373	0.196507512	-0.052989475	0.253102354
ATOH1	grey	0.078365829	0.090729217	0.065105757	0.160120215
ATOH7	grey	-0.142008128	0.002096563	-0.142940643	0.001957467
ATP10A	grey	-0.217414698	2.11E-06	-0.213628431	3.19E-06
ATP10B	grey	-0.028181646	0.543519756	-0.002538765	0.956364535
ATP12A	grey	-0.011473436	0.804686344	-0.001379444	0.976282253

ATP13A4grey	-0.003775035	0.935154977	-0.010672812	0.818068572
ATP13A5grey	-0.022441002	0.628587854	-0.012623598	0.785562035
ATP1A1 grey	0.093581365	0.043245795	0.089282158	0.053844552
ATP1A2 grey	-0.056343731	0.224251389	-0.070247536	0.129553018
ATP1A3 grey	-0.117165902	0.011279321	-0.098388347	0.033532263
ATP1A4 grey	0.045336132	0.328272589	0.030387336	0.512424425
ATP2B2 grey	-0.180974969	8.39E-05	-0.197289419	1.75E-05
ATP4A grey	-0.036361119	0.433084793	-0.050482409	0.276284131
ATP5EP2 grey	0.127024028	0.005981412	0.165313681	0.000333738
ATP5J2-Pgrey	-0.027057038	0.559726812	-0.022345809	0.630045358
ATP5SL grey	0.049301533	0.287688309	0.048905202	0.291585799
ATP6V0A <sup>Δ</sup> grey	0.175696771	0.000135418	0.186939551	4.81E-05
ATP6V0A <sup>Δ</sup> grey	0.166899642	0.000291764	0.185391289	5.56E-05
ATP6V0Egrey	0.113113484	0.014456885	0.157661271	0.00062767
ATP6V0Egrey	0.251982588	3.39E-08	0.233057308	3.52E-07
ATP6V1Egrey	-0.185781244	5.36E-05	-0.173907743	0.000158777
ATP6V1Cgrey	0.230798383	4.60E-07	0.210664155	4.39E-06
ATP6V1Egrey	0.023176288	0.617378817	0.034799543	0.453112373
ATP6V1Egrey	-0.079530129	0.086020318	-0.08231756	0.075544021
ATP6V1Cgrey	-0.076391299	0.099185379	-0.091717277	0.047603362
ATP6V1Cgrey	0.100128639	0.030507451	0.104777163	0.023548202
ATP7B grey	0.06295424	0.174414776	0.054793107	0.237283596
ATP8B3 grey	0.098929421	0.032565546	0.097491457	0.035188591
ATXN7L <sup>Δ</sup> grey	-0.228795624	5.81E-07	-0.241519452	1.27E-07
AUTS2 grey	-0.02790349	0.547506588	-0.038936828	0.401191399
AVEN grey	0.107904824	0.019679266	0.114663735	0.013158654
AVP grey	-0.063383307	0.171490787	-0.081801989	0.077399366
AVPR1B grey	0.135871676	0.003261028	0.154401975	0.000814529
AWAT2 grey	-0.034564786	0.456167605	-0.025055997	0.589129195
AZGP1 grey	-0.088447347	0.056135066	-0.074095735	0.109791729
AZIN2 grey	-0.276452869	1.22E-09	-0.267842331	4.09E-09
B3GALT <sup>1</sup> grey	-0.0608265	0.189464708	-0.054445298	0.24027856
B3GALT <sup>2</sup> grey	-0.11427353	0.013475357	-0.059161905	0.201887901
B3GAT1 grey	-0.080447722	0.082449578	-0.078862577	0.088695489
B3GNT3 grey	-0.064361517	0.16496151	-0.033381923	0.471736355
B3GNT6 grey	0.002979734	0.948794917	0.039353063	0.39617266
B3GNT7 grey	-0.182666654	7.18E-05	-0.163564927	0.000386513
B3GNT8 grey	-0.18469822	5.94E-05	-0.190493669	3.42E-05
B4GALN <sup>+</sup> grey	0.031012046	0.503788472	0.03348807	0.470327445
B4GALN <sup>+</sup> grey	-0.124106514	0.007249398	-0.141481006	0.002179131
B4GALT <sup>2</sup> grey	0.17387544	0.000159231	0.190633302	3.37E-05
BAALC grey	-0.189343171	3.82E-05	-0.182051119	7.60E-05
BAAT grey	-0.02408341	0.603671886	-0.030441485	0.511672832
BAG1 grey	0.121310556	0.008684873	0.155660497	0.000736994
BAG3 grey	0.154144328	0.000831304	0.151567193	0.001017589

BAHCC1 grey	0.141593438	0.002161274	0.135052755	0.003454531
BAI1 grey	-0.070747504	0.126839939	-0.088159822	0.056942452
BAI2 grey	-0.149296464	0.001212894	-0.158420397	0.000590281
BAIAP2 grey	-0.204120876	8.74E-06	-0.208470185	5.55E-06
BAIAP2L grey	0.1365978	0.003097743	0.149767149	0.001169778
BARHL1 grey	0.003953437	0.932097723	-0.002621511	0.954943813
BARHL2 grey	-0.124782241	0.006936029	-0.1216153	0.008516976
BARX2 grey	-0.216871579	2.24E-06	-0.212636526	3.55E-06
BASP1 grey	0.101972506	0.027560549	0.083969608	0.069841324
BATF3 grey	-0.094049914	0.042204932	-0.079493754	0.086164394
BBC3 grey	0.362471177	6.03E-16	0.38442833	6.77E-18
BCAM grey	-0.325726082	5.28E-13	-0.333448226	1.37E-13
BCAR3 grey	-0.00099221	0.982939028	-0.020527642	0.658153562
BCAT1 grey	-0.019104764	0.680494384	-0.017632244	0.703912459
BCL11A grey	-0.218933701	1.78E-06	-0.218803957	1.81E-06
BCL2L1 grey	-0.074221857	0.109186696	-0.054173304	0.242639118
BCL2L10 grey	-0.01787369	0.700052699	-0.018420445	0.691340867
BCL2L15 grey	0.19662856	1.87E-05	0.215139388	2.71E-06
BCO1 grey	0.000159225	0.997261943	0.031164112	0.501697977
BDKRB1 grey	-0.180596427	8.69E-05	-0.174926682	0.000145046
BDNF grey	0.103143438	0.025819045	0.116366605	0.011852055
BEAN1 grey	-0.032986993	0.476998681	-0.008034945	0.862514588
BEND4 grey	-0.079879192	0.08464756	-0.081325442	0.07914703
BEND5 grey	-0.206595058	6.76E-06	-0.208103795	5.76E-06
BET1L grey	0.215881208	2.50E-06	0.229741895	5.20E-07
BEX1 grey	-0.223410775	1.08E-06	-0.252313453	3.25E-08
BEX2 grey	-0.514081791	7.33E-33	-0.508290446	4.78E-32
BEX4 grey	-0.486371561	4.20E-29	-0.481241787	1.92E-28
BEX5 grey	0.292349077	1.18E-10	0.269521313	3.25E-09
BFSP1 grey	0.00295677	0.949189015	0.012508034	0.787477965
BHLHA1:grey	0.239137165	1.69E-07	0.239425712	1.64E-07
BHLHA9 grey	-0.140098054	0.002410074	-0.101115502	0.028898313
BHLHE2:grey	0.051664865	0.265176545	0.083363034	0.071892811
BHLHE2:grey	-0.077772454	0.093207367	-0.024034759	0.604403561
BHMT grey	-0.193349212	2.59E-05	-0.188370741	4.19E-05
BICC1 grey	-0.1996052	1.39E-05	-0.210633375	4.41E-06
BID grey	0.029332985	0.527172281	0.057989188	0.210988723
BIN1 grey	-0.292905224	1.08E-10	-0.2827915	4.90E-10
BIRC7 grey	-0.174951803	0.000144722	-0.170394744	0.00021604
BIVM-ERgrey	0.020552319	0.657768712	0.008059433	0.862099753
BLACE grey	0.022974305	0.62044925	0.064300194	0.165365262
BLMH grey	-0.061087936	0.187565722	-0.061116155	0.187361592
BLNK grey	0.198051673	1.62E-05	0.179321723	9.76E-05
BLOC1S3grey	-0.045739558	0.323982244	-0.045423049	0.327345162
BLOC1S4grey	0.049409097	0.286636605	0.069481329	0.133797729

BLOC1S5	grey	-0.180838731	8.50E-05	-0.194105631	2.40E-05
BLVRA	grey	-0.044007245	0.342663483	-0.046712367	0.31378707
BMF	grey	-0.130196635	0.004831827	-0.132497727	0.004127068
BMP1	grey	-0.052392322	0.258497484	-0.073739401	0.11151542
BMP3	grey	-0.181425229	8.05E-05	-0.191348668	3.15E-05
BMP5	grey	0.134631609	0.003558047	0.119025937	0.010040347
BMP7	grey	-0.319736424	1.47E-12	-0.346542817	1.27E-14
BMP8B	grey	-0.097863691	0.034492906	-0.119698411	0.00962308
BMX	grey	0.084070959	0.069503259	0.073437289	0.112993431
BNC1	grey	-0.167824177	0.000269625	-0.169998816	0.000223586
BNIP1	grey	0.016463507	0.722701993	-0.001192221	0.97950055
BOLA1	grey	0.048475614	0.295850108	0.042119776	0.363783244
BPIFA1	grey	0.041100743	0.375515831	0.066785501	0.149588008
BPIFA2	grey	-0.133992034	0.003720639	-0.1008105	0.029387677
BPIFB1	grey	0.024406615	0.598821314	0.065095966	0.160183204
BPIFB2	grey	0.270697673	2.76E-09	0.271470677	2.47E-09
BPIFB3	grey	-0.048807566	0.292551342	-0.046366971	0.317382505
BPIFB4	grey	-0.012692464	0.784420918	-0.004147953	0.928765465
BPIFB6	grey	0.147277775	0.001414915	0.139818048	0.002459468
BRD9	grey	-0.188631015	4.09E-05	-0.201862058	1.10E-05
BRDT	grey	-0.093075691	0.044393304	-0.059563921	0.198834696
BRINP1	grey	-0.303923365	1.95E-11	-0.310105164	7.22E-12
BRINP2	grey	-0.001445012	0.97515526	-0.012547168	0.786829012
BRINP3	grey	0.019801842	0.669513014	0.002028455	0.965129312
BRSK1	grey	-0.146450192	0.001506334	-0.162341508	0.000427949
BRSK2	grey	-0.054424975	0.240454378	-0.07865438	0.089543362
BSCL2	grey	0.076438443	0.09897642	0.047384276	0.306869575
BSN	grey	-0.191946547	2.97E-05	-0.218686208	1.83E-06
BSPH1	grey	-0.060439096	0.192304594	-0.05244774	0.257993469
BTBD11	grey	0.099991602	0.030736854	0.116243903	0.011942216
BTBD16	grey	0.082839816	0.073701668	0.105191519	0.023000496
BTBD17	grey	-0.209409235	5.02E-06	-0.193414697	2.57E-05
BTNL8	grey	-0.09325326	0.043987468	-0.077896807	0.092683588
BTNL9	grey	-0.144575233	0.001733856	-0.171697942	0.000192851
BZRAP1	grey	-0.161358808	0.000464188	-0.198259718	1.59E-05
C10orf11	grey	0.093881435	0.042576741	0.098733008	0.032913684
C10orf32	grey	0.022627649	0.625734294	0.010801602	0.815912189
C10orf55	grey	-0.074569244	0.107533787	-0.061643315	0.183578183
C10orf71	grey	0.010037044	0.828733246	0.025445364	0.583352665
C10orf82	grey	-0.10805638	0.019506741	-0.136289758	0.003166083
C10orf90	grey	-0.037783733	0.415292117	-0.041525244	0.370600316
C10orf99	grey	0.10282657	0.026280693	0.154174428	0.000829328
C11orf45	grey	-0.256654552	1.84E-08	-0.260075878	1.17E-08
C11orf71	grey	0.147503125	0.001390921	0.140259341	0.002382035
C11orf80	grey	0.070882268	0.126116234	0.05311845	0.251947443

C11orf85 grey	-0.208513375	5.52E-06	-0.219167213	1.74E-06
C11orf86 grey	0.052704876	0.255663805	0.028092536	0.544795417
C11orf94 grey	0.131268086	0.004491175	0.126642614	0.006134996
C12orf43 grey	0.026779923	0.563755976	0.031083922	0.502799806
C12orf54 grey	-0.054869219	0.236631718	-0.070352669	0.128978816
C12orf56 grey	-0.039222422	0.397743781	-0.030310061	0.513497984
C12orf65 grey	0.072418025	0.118093708	0.086941612	0.060470815
C12orf75 grey	0.127632335	0.005743602	0.144757597	0.001710418
C14orf11 grey	-0.034922411	0.451517909	-0.026811618	0.563294433
C14orf16 grey	-0.229486937	5.36E-07	-0.22800952	6.36E-07
C14orf17 grey	-0.089133516	0.0542466	-0.083131695	0.072688071
C14orf18 grey	-0.073819199	0.111127574	-0.074161521	0.10947581
C15orf27 grey	-0.166021108	0.000314363	-0.171730962	0.000192295
C15orf38 grey	0.0802097	0.083364113	0.029179833	0.529332333
C15orf40 grey	0.067654009	0.144353224	0.072293365	0.118729657
C15orf59 grey	-0.090889464	0.049653314	-0.104722018	0.023621938
C15orf61 grey	0.059348934	0.200463258	0.086956746	0.060425896
C16orf62 grey	0.071207226	0.124384352	0.064866716	0.161663366
C16orf74 grey	-0.13562961	0.003317175	-0.117556543	0.011008427
C16orf90 grey	-0.131040415	0.00456169	-0.123365246	0.007607676
C17orf10 grey	-0.165250712	0.000335515	-0.171377442	0.000198327
C17orf49 grey	0.078813957	0.088892909	0.05477252	0.237460132
C17orf58 grey	-0.097938227	0.03435502	-0.100618766	0.029698929
C17orf74 grey	0.036329268	0.433488128	0.036066199	0.436827628
C18orf42 grey	-0.068756491	0.137911218	-0.072086908	0.119788769
C19orf12 grey	-0.277542182	1.05E-09	-0.259011033	1.35E-08
C19orf33 grey	-0.202858361	9.96E-06	-0.181217492	8.21E-05
C19orf45 grey	0.195102109	2.18E-05	0.172754154	0.000175789
C19orf47 grey	-0.059648552	0.198196254	-0.054578049	0.23913233
C19orf68 grey	-0.175911647	0.00013284	-0.186581013	4.97E-05
C19orf81 grey	-0.122929319	0.007825686	-0.125863631	0.006459713
C19orf83 grey	-0.02659858	0.566400165	-0.014349951	0.757101001
C19orf84 grey	-0.21478849	2.81E-06	-0.209835278	4.80E-06
C1orf116 grey	0.192845892	2.72E-05	0.211380344	4.07E-06
C1orf127 grey	0.057111145	0.21799132	0.024544993	0.596749959
C1orf145 grey	-0.185365184	5.58E-05	-0.211500524	4.02E-06
C1orf216 grey	-0.118051229	0.010673658	-0.124291226	0.007162504
C1orf226 grey	0.082989263	0.073181262	0.071556545	0.122543314
C1orf234 grey	0.003311601	0.943101128	0.019184743	0.679230948
C1orf56 grey	0.063385843	0.171473617	0.060072861	0.19501787
C1orf61 grey	-0.120494491	0.00914909	-0.116052537	0.012084041
C1orf94 grey	-0.076129381	0.100352709	-0.07766154	0.093676536
C1orf95 grey	-0.140691881	0.002308302	-0.138102868	0.002782722
C1QL2 grey	-0.196078304	1.98E-05	-0.196986535	1.81E-05
C1QL4 grey	-0.072820779	0.116057273	-0.067991254	0.142358689



C1QTNF3 grey	-0.176802044	0.000122642	-0.175615016	0.000136411
C1QTNF6 grey	0.118557855	0.010340194	0.12660776	0.006149206
C1QTNF9 grey	-0.145946724	0.001564572	-0.13685842	0.003040973
C1QTNF9 grey	-0.024584623	0.596157351	-0.051059659	0.270822736
C1RL grey	0.011314805	0.807333428	-0.007671636	0.868673546
C2orf141 grey	-0.160342654	0.000504646	-0.162966476	0.000406292
C2orf196 grey	0.115055339	0.012847428	0.113345979	0.014255279
C2orf202 grey	-0.092608715	0.045475638	-0.097686094	0.034823351
C21orf146 grey	-0.009743035	0.833675877	-0.001616522	0.972207532
C21orf33 grey	-0.059732098	0.197567468	-0.049291033	0.287791113
C22orf29 grey	0.018678263	0.687246882	-0.019332567	0.676898132
C22orf39 grey	0.139995234	0.002428105	0.147519556	0.001389186
C22orf46 grey	0.190007392	3.58E-05	0.174478863	0.000150938
C2CD2 grey	-0.070312564	0.129197624	-0.091684258	0.047683748
C2CD4A grey	0.131915925	0.004295879	0.123194765	0.00769228
C2CD4B grey	-0.115032275	0.012865576	-0.095765613	0.038572099
C2CD4D grey	0.035621481	0.442506518	0.033321142	0.472544169
C2orf43 grey	-0.465696044	1.63E-26	-0.446053296	3.27E-24
C2orf54 grey	-0.092709782	0.04523953	-0.079792109	0.084988366
C2orf66 grey	0.081916858	0.076982826	0.060255627	0.193660359
C2orf72 grey	-0.038097083	0.411431693	-0.070823942	0.126429061
C2orf80 grey	-0.036373215	0.432931681	-0.041405306	0.371985094
C2orf82 grey	-0.00956424	0.836684846	-0.020099217	0.664849512
C2orf91 grey	0.085019397	0.066404155	0.10591065	0.02207609
C3orf14 grey	-0.337854689	6.22E-14	-0.314788874	3.35E-12
C3orf52 grey	0.100698963	0.029568399	0.089540605	0.053151403
C3orf56 grey	-0.108706593	0.018781428	-0.103846291	0.02481994
C3orf67 grey	-0.341448029	3.24E-14	-0.346302901	1.33E-14
C4A grey	-0.169747387	0.000228506	-0.169480682	0.000233835
C4B grey	-0.119732273	0.009602483	-0.114059834	0.013651631
C4BPB grey	0.165851278	0.000318916	0.179339522	9.75E-05
C4orf19 grey	0.071713899	0.121720965	0.103859382	0.024801651
C4orf36 grey	-0.108211189	0.019331874	-0.10200596	0.027509427
C5 grey	0.030058006	0.517007828	0.011193249	0.809363328
C5orf38 grey	-0.121403901	0.008633135	-0.134926315	0.003485319
C5orf46 grey	0.069576631	0.133263999	0.11079484	0.016608643
C6orf141 grey	0.135032251	0.003459507	0.112826347	0.01470933
C6orf195 grey	-0.232040033	3.97E-07	-0.233566256	3.31E-07
C6orf222 grey	-0.118339505	0.010482763	-0.1385948	0.002686264
C6orf25 grey	-0.148402284	0.001298857	-0.16558785	0.0003261
C6orf58 grey	-0.063428236	0.171186731	-0.068901553	0.137080299
C7orf43 grey	0.19197234	2.96E-05	0.19474243	2.26E-05
C8orf22 grey	0.006120172	0.895059566	0.00362878	0.937662046
C8orf4 grey	0.11195902	0.015495534	0.092490633	0.045752808
C8orf58 grey	0.12317969	0.007699802	0.099298417	0.031920008

C8orf86	grey	-0.02143495	0.644063485	-0.025457036	0.583179907
C8orf89	grey	-0.216702223	2.28E-06	-0.239776884	1.57E-07
C9	grey	-0.128390105	0.005459266	-0.127511832	0.005790025
C9orf129	grey	-0.037239594	0.422046276	-0.029850979	0.519899895
C9orf172	grey	0.288345954	2.15E-10	0.284598508	3.76E-10
C9orf173	grey	-0.048797887	0.292647176	-0.074447121	0.108112594
C9orf66	grey	-0.147419317	0.0013998	-0.136413033	0.003138571
C9orf78	grey	0.052114651	0.261033035	0.063488542	0.170779252
C9orf91	grey	0.257321147	1.69E-08	0.226345877	7.71E-07
C9orf92	grey	-0.197923665	1.64E-05	-0.190000926	3.59E-05
CA10	grey	0.140432609	0.002352244	0.16630069	0.000307
CA12	grey	0.179716497	9.42E-05	0.16654961	0.00030058
CA14	grey	-0.026658371	0.565527695	-0.022582484	0.626424285
CA2	grey	0.168002403	0.000265542	0.147898052	0.00134977
CA4	grey	-0.152560375	0.000941655	-0.16194296	0.000442317
CA9	grey	0.088232832	0.056736529	0.103077472	0.025914571
CABIN1	grey	0.210446445	4.50E-06	0.204227691	8.65E-06
CABLES1	grey	-0.027561991	0.552420957	-0.049074979	0.289911914
CABP4	grey	0.026678571	0.56523307	0.020492496	0.658701858
CABP7	grey	-0.024350917	0.599655958	-0.047439221	0.306308386
CACNA1	grey	-0.336546016	7.87E-14	-0.339278277	4.81E-14
CACNA1	grey	-0.244072635	9.23E-08	-0.259703907	1.23E-08
CACNA1	grey	0.038901531	0.401618731	0.033954533	0.464163507
CACNA1	grey	-0.248430085	5.34E-08	-0.228340091	6.12E-07
CACNA1	grey	-0.049764606	0.283179062	-0.069493927	0.133727083
CACNA2	grey	-0.30969367	7.72E-12	-0.308313715	9.66E-12
CACNB1	grey	-0.039675792	0.392307503	-0.061069724	0.187697552
CACNB3	grey	0.097508836	0.035155847	0.065636416	0.156734202
CACNG1	grey	-0.162493467	0.000422587	-0.151527679	0.001020724
CACNG3	grey	-0.054926871	0.236138791	-0.055375466	0.23232798
CACNG4	grey	-0.207105651	6.40E-06	-0.209553495	4.94E-06
CACNG5	grey	0.070873522	0.126163108	0.05976582	0.197314082
CACNG7	grey	-0.064479382	0.164187559	-0.057230796	0.217029511
CACNG8	grey	-0.223824744	1.03E-06	-0.205915545	7.25E-06
CADM1	grey	0.195704426	2.05E-05	0.162509417	0.000422027
CADM2	grey	-0.091756829	0.047507219	-0.093807088	0.042741691
CADPS	grey	-0.081064415	0.080117784	-0.064498902	0.164059645
CAGE1	grey	-0.104395626	0.024062467	-0.084650908	0.067594473
CALB1	grey	-0.043283301	0.350669865	-0.05147911	0.266900855
CALB2	grey	-0.041990642	0.365257246	-0.045520218	0.326310344
CALCA	grey	-0.112236577	0.015240019	-0.120698447	0.009031047
CALCB	grey	-0.186972558	4.79E-05	-0.186197233	5.16E-05
CALHM3	grey	-0.146474994	0.001503518	-0.174622399	0.000149025
CALML6	grey	0.158884071	0.000568471	0.147861631	0.001353518
CALY	grey	-0.05638725	0.223893135	-0.053414496	0.249310348

CAMK1Egrey	-0.16713347	0.000286009	-0.167299998	0.000281976
CAMK1Ggrey	-0.094686972	0.040823688	-0.105850886	0.022151667
CAMK2Bgrey	-0.174289728	0.000153492	-0.192404479	2.84E-05
CAMK2Ngrey	-0.020398117	0.660175095	-0.020082769	0.665107117
CAMK4 grey	-0.072293499	0.11872897	-0.066585884	0.150811324
CAMKK1grey	-0.082323164	0.075524054	-0.107036056	0.020694088
CAMKV grey	-0.104478154	0.023950414	-0.115320411	0.012640465
CAMP grey	0.122353282	0.008122315	0.14483343	0.001700757
CANT1 grey	0.305494182	1.52E-11	0.286721698	2.75E-10
CAPN10 grey	0.067493885	0.145307674	0.055365387	0.232413121
CAPN12 grey	-0.056615278	0.222022685	-0.082667991	0.074303728
CAPN13 grey	0.157869043	0.000617224	0.171270428	0.000200188
CAPN14 grey	0.006144929	0.894637534	-0.000690376	0.988128584
CAPN5 grey	-0.283281029	4.56E-10	-0.275494296	1.40E-09
CAPN8 grey	0.235758607	2.55E-07	0.25856141	1.43E-08
CAPNS2 grey	0.120909868	0.008910115	0.145357314	0.001635373
CAPZA3 grey	-0.017669395	0.703318061	-0.024223232	0.601571309
CARD10 grey	0.222506618	1.19E-06	0.237180423	2.15E-07
CARD14 grey	-0.006076314	0.895807295	-0.03055958	0.510035681
CARD6 grey	-0.06331836	0.171931017	-0.05077479	0.273508612
CARNS1 grey	-0.240492023	1.44E-07	-0.232918152	3.58E-07
CARTPT grey	-0.083141021	0.072655874	-0.073890692	0.110780997
CASC10 grey	-0.230080345	5.00E-07	-0.250241399	4.24E-08
CASKIN1grey	0.048525698	0.295350814	0.03333122	0.472410174
CASP14 grey	0.098047119	0.034154419	0.089041667	0.054496282
CASP9 grey	-0.10279717	0.026323884	-0.115473691	0.012522134
CASQ1 grey	-0.023110575	0.618377016	-0.021799879	0.638431683
CASR grey	-0.131928523	0.004292159	-0.128711451	0.00534256
CASZ1 grey	0.163955108	0.000374105	0.144347914	0.001763484
CATSPEIgrey	-0.004307416	0.92603464	0.007660633	0.868860197
CATSPEIgrey	0.07908109	0.087812549	0.098161666	0.03394448
CATSPEIgrey	-0.078891788	0.088577043	-0.070838804	0.126349292
CBLN2 grey	-0.10534678	0.022798128	-0.120012015	0.009433814
CBLN3 grey	-0.260403214	1.12E-08	-0.276556001	1.21E-09
CBR1 grey	-0.221231326	1.38E-06	-0.172568758	0.000178678
CBR3 grey	-0.008994878	0.846282416	0.027546561	0.552643501
CBX4 grey	0.206931833	6.52E-06	0.200428079	1.28E-05
CBY3 grey	-0.209764483	4.83E-06	-0.205145552	7.86E-06
CC2D1B grey	0.040041193	0.387958913	0.051887722	0.263117931
CCBL1 grey	0.144249532	0.00177645	0.132116344	0.004237035
CCDC102grey	-0.156799148	0.00067279	-0.160504975	0.00049797
CCDC109grey	-0.017254365	0.709968502	0.011559737	0.803247166
CCDC110grey	-0.18331392	6.76E-05	-0.183162169	6.85E-05
CCDC116grey	-0.012629014	0.785472279	-0.023055091	0.619220391
CCDC127grey	-0.201256548	1.17E-05	-0.218271348	1.92E-06

CCDC146grey	-0.090778296	0.049934145	-0.096231113	0.037633401
CCDC154grey	-0.107949482	0.019628292	-0.103237842	0.025682866
CCDC155grey	-0.082796204	0.073854105	-0.0922745	0.046263803
CCDC163grey	-0.012954146	0.780089091	-0.034928663	0.451436869
CCDC166grey	-0.178900626	0.000101442	-0.189905329	3.62E-05
CCDC169grey	-0.093003411	0.044559401	-0.09035412	0.051017913
CCDC174grey	0.034124443	0.461929468	0.014245779	0.758809559
CCDC178grey	-0.064775069	0.162257962	-0.071691374	0.121838421
CCDC183grey	0.135569661	0.003331215	0.10862749	0.018868393
CCDC185grey	-0.187174919	4.70E-05	-0.193910774	2.45E-05
CCDC42 grey	-0.159949629	0.000521155	-0.150626859	0.001094651
CCDC53 grey	0.067565639	0.144879378	0.062308618	0.178884229
CCDC8 grey	-0.380059235	1.70E-17	-0.387292451	3.68E-18
CCDC92 grey	0.094639568	0.040925135	0.096321817	0.037452767
CCK grey	-0.135835733	0.00326931	-0.135857609	0.003264267
CCKBR grey	-0.065236785	0.159279074	-0.066565536	0.150936447
CCL11 grey	-0.003069484	0.947254827	0.00097219	0.983283217
CCL22 grey	0.246630607	6.70E-08	0.280058529	7.29E-10
CCL26 grey	0.004050816	0.930429373	0.014836491	0.749136894
CCL27 grey	0.017001444	0.714032175	0.019236436	0.678414828
CCL28 grey	-0.082951429	0.073312724	-0.065908685	0.155018064
CCNB3 grey	0.031582636	0.495968116	0.019384847	0.676073837
CCND1 grey	0.265368463	5.74E-09	0.25476719	2.36E-08
CCND3 grey	-0.255042475	2.28E-08	-0.223901418	1.02E-06
CCNI2 grey	-0.222680887	1.17E-06	-0.217250799	2.15E-06
CCNJL grey	-0.053833287	0.245612816	-0.050405932	0.277013259
CCR10 grey	-0.020016529	0.666144965	-0.012970492	0.779818713
CCR9 grey	0.094974484	0.040212933	0.109743508	0.017673371
CD177 grey	-0.01899278	0.682264911	-0.00367855	0.936808822
CD1A grey	0.05622731	0.225211767	0.082159296	0.076109667
CD207 grey	0.067135174	0.147463315	0.072365975	0.118358914
CD22 grey	-0.389824996	2.13E-18	-0.383984224	7.44E-18
CD276 grey	0.244320141	8.95E-08	0.252623418	3.12E-08
CD2BP2 grey	-0.028022271	0.545802327	-0.012510866	0.787431002
CD44 grey	0.248537835	5.26E-08	0.261320229	9.93E-09
CD55 grey	-0.041122842	0.37525895	-0.022747926	0.623898378
CD58 grey	0.177484721	0.000115327	0.152797308	0.00092433
CD5L grey	0.010001537	0.829329796	0.006436134	0.889675588
CD83 grey	-0.202465785	1.04E-05	-0.231051029	4.46E-07
CD99 grey	0.159478732	0.000541595	0.181341241	8.11E-05
CDA grey	-0.00904859	0.845376015	-0.011438282	0.80527276
CDAN1 grey	0.080607076	0.08184185	0.052796872	0.254833867
CDC42EFgrey	0.040534049	0.382140082	0.051390432	0.267726732
CDC42EFgrey	-0.242683208	1.10E-07	-0.251965264	3.40E-08
CDH10 grey	0.036524642	0.43101752	0.016209498	0.726808239

CDH12	grey	-0.073696914	0.111722356	-0.070985739	0.125562759
CDH15	grey	-0.014400987	0.756264368	0.02504143	0.58934581
CDH16	grey	-0.096192181	0.037711116	-0.06823114	0.140952842
CDH17	grey	-0.014358719	0.756957239	-0.018918211	0.683444852
CDH18	grey	-0.143936095	0.001818344	-0.139436073	0.002528339
CDH19	grey	-0.223318233	1.09E-06	-0.229220749	5.53E-07
CDH2	grey	-0.049061408	0.29004548	-0.060985199	0.188310298
CDH20	grey	-0.141771393	0.002133285	-0.139065705	0.002596791
CDH22	grey	-0.107151136	0.020557101	-0.127261416	0.005887576
CDH26	grey	0.117376693	0.011132422	0.122121502	0.008244473
CDH3	grey	-0.064928343	0.16126446	-0.054793304	0.237281903
CDH4	grey	-0.06577519	0.155857708	-0.09556472	0.038983292
CDH6	grey	-0.287029647	2.62E-10	-0.290925957	1.46E-10
CDHR1	grey	0.13565008	0.003312394	0.140665293	0.002312774
CDHR5	grey	0.062246482	0.179318816	0.047718351	0.303467941
CDIPT	grey	-0.223792024	1.03E-06	-0.209378607	5.04E-06
CDK11A	grey	0.023869007	0.606899285	-0.007227364	0.876215798
CDK11B	grey	0.050813961	0.273138219	0.044664974	0.335491218
CDK18	grey	0.056389982	0.223870661	0.041687319	0.368734125
CDK3	grey	-0.134174542	0.003673569	-0.167214825	0.000284032
CDK5R2	grey	-0.110491367	0.016910062	-0.12646774	0.006206589
CDKN1C	grey	-0.22624143	7.80E-07	-0.245672267	7.56E-08
CDKN2B	grey	-0.21311892	3.37E-06	-0.216027845	2.46E-06
CDKN2C	grey	-0.131850353	0.004315291	-0.116176798	0.011991781
CDRT15	grey	0.066421568	0.151823993	0.041153957	0.374897442
CDX1	grey	-0.21811674	1.95E-06	-0.186192844	5.16E-05
CDX4	grey	0.066422564	0.15181784	0.0650651	0.160381894
CDY2A	grey	-0.058957775	0.203451191	-0.064006956	0.167306208
CEACAM	grey	-0.221509356	1.34E-06	-0.241915433	1.21E-07
CEACAM	grey	0.070971547	0.125638563	0.080954178	0.080530636
CEACAM	grey	0.1604926	0.000498476	0.186600267	4.96E-05
CEACAM	grey	0.085574516	0.06464351	0.1145548	0.013246402
CEACAM	grey	0.032857459	0.478731626	0.073408197	0.113136566
CEBPA	grey	-0.20294951	9.87E-06	-0.221357879	1.36E-06
CEBPB	grey	-0.194363519	2.34E-05	-0.192491437	2.82E-05
CEBPD	grey	-0.077696873	0.093526873	-0.081458858	0.078654552
CECR6	grey	0.093155176	0.044211254	0.069658891	0.132804634
CELA3A	grey	0.217049616	2.20E-06	0.219114847	1.75E-06
CELA3B	grey	0.203358339	9.46E-06	0.202691356	1.01E-05
CELF4	grey	-0.355120724	2.51E-15	-0.376444865	3.60E-17
CELF5	grey	-0.162124654	0.000435712	-0.16297126	0.00040613
CEND1	grey	-0.136868913	0.003038707	-0.123474235	0.007554025
CENPV	grey	-0.215847547	2.51E-06	-0.225751689	8.26E-07
CEP250	grey	0.249672628	4.56E-08	0.230614266	4.70E-07
CER1	grey	-0.129945873	0.004914845	-0.134959788	0.003477144

CERS4	grey	0.024108271	0.603298159	0.011209481	0.809092191
CERS5	grey	-0.213860843	3.11E-06	-0.231525001	4.22E-07
CETP	grey	-0.078628304	0.089650012	-0.051276422	0.268791107
CFC1	grey	-0.061056778	0.187791305	-0.045080897	0.331005845
CFC1B	grey	-0.053194052	0.251272167	-0.051202779	0.269480159
CFH	grey	-0.013179375	0.776366117	-0.01318273	0.776310689
CFHR1	grey	-0.012151289	0.793400461	-0.009169789	0.843331508
CFHR2	grey	0.113157985	0.014418104	0.128162525	0.0055433
CFHR3	grey	-0.064597732	0.163413171	-0.068455599	0.13964706
CFHR5	grey	0.041070831	0.375863706	0.048672745	0.293888143
CFTR	grey	-0.070515914	0.128091133	-0.076725775	0.097710404
CGA	grey	0.071753023	0.121517169	0.067989943	0.142366402
CGB	grey	-0.001150675	0.980214757	-0.003181875	0.945326495
CGB1	grey	-0.106851266	0.020915716	-0.109039186	0.018419594
CGB2	grey	-0.134736517	0.003532001	-0.128623992	0.005374099
CGB5	grey	0.011265342	0.808159267	0.031368317	0.498897925
CGB8	grey	-0.004510768	0.922553443	0.020851633	0.653107894
CGREF1	grey	-0.120774607	0.008987316	-0.155432448	0.000750516
CH17-14C	grey	0.012029278	0.795428774	0.005400235	0.907344916
CH17-27C	grey	-0.043183867	0.351778714	-0.042332713	0.361360783
CH17-33C	grey	-0.056264434	0.224905206	-0.066797204	0.149516524
CH507-42	grey	-0.087816488	0.057919146	-0.128821491	0.005303116
CH507-9I	grey	-0.044432803	0.338011867	-0.037041792	0.424517324
CH507-9I	grey	0.074044128	0.110040062	0.072873345	0.115793529
CH507-9I	grey	-0.033238752	0.473640371	-0.037993798	0.412701801
CH507-9I	grey	-0.011774092	0.799675432	-0.035161599	0.448423054
CH507-9I	grey	-0.014305864	0.757823939	-0.021163294	0.648269115
CHAC1	grey	0.003044367	0.947685801	0.000985572	0.983053151
CHAD	grey	-0.163053476	0.000403359	-0.144122408	0.001793333
CHAT	grey	0.03596912	0.438063702	0.044529812	0.336957176
CHCHD5	grey	-0.326282987	4.80E-13	-0.309093008	8.52E-12
CHD3	grey	0.124398863	0.007112299	0.115253286	0.012692594
CHD5	grey	-0.169158423	0.000240429	-0.207183223	6.35E-06
CHFR	grey	0.081826382	0.077310759	0.08797315	0.057471776
CHGB	grey	-0.152170976	0.00097078	-0.161462433	0.000460236
CHI3L1	grey	-0.035907137	0.438853969	-0.016330206	0.724855915
CHI3L2	grey	0.036972195	0.425388767	0.040211274	0.385944819
CHKB-CI	grey	0.196542541	1.89E-05	0.167045804	0.000288154
CHL1	grey	-0.337821667	6.26E-14	-0.344824073	1.74E-14
CHMP6	grey	0.018779929	0.68563499	0.018877366	0.684091484
CHODL	grey	-0.29969559	3.80E-11	-0.29464483	8.30E-11
CHP2	grey	-0.101700776	0.027978828	-0.115269972	0.012679619
CHRFAM	grey	-0.071410715	0.12330929	-0.072666516	0.116833996
CHRM1	grey	-0.055280941	0.233127328	-0.047900082	0.301628035
CHRM2	grey	-0.007900777	0.864788107	-0.000392223	0.993255322

CHRM3 grey	0.052186779	0.260372754	0.002118473	0.963582874
CHRNA1 grey	0.063581419	0.170153109	0.070397267	0.128735833
CHRNA1 grey	0.127721644	0.005709413	0.125864897	0.006459173
CHRNA2 grey	0.019541254	0.673610089	-0.015878688	0.73216778
CHRNA4 grey	-0.17157488	0.000194936	-0.172931308	0.00017307
CHRNA6 grey	-0.145637297	0.001601382	-0.15019548	0.001131773
CHRNA7 grey	-0.145923118	0.001567353	-0.160881138	0.000482815
CHRNA9 grey	0.17842853	0.000105886	0.169122266	0.00024118
CHRNA1 grey	-0.137339037	0.002938756	-0.153042031	0.000906745
CHRNA2 grey	-0.029657747	0.522606731	-0.040760821	0.379480746
CHRNA4 grey	-0.156988064	0.000662654	-0.173605505	0.000163078
CHRNA6 grey	-0.08667697	0.06126072	-0.080955731	0.080524808
CHRNA7 grey	-0.177945663	0.000110621	-0.182507554	7.28E-05
CHST1 grey	0.056347549	0.224219937	0.08434907	0.068582477
CHST10 grey	-0.088427831	0.056189567	-0.105876119	0.02211973
CHST13 grey	-0.24564966	7.58E-08	-0.239421934	1.64E-07
CHST14 grey	0.075600759	0.102741932	0.050896153	0.272362134
CHST15 grey	-0.25300362	2.97E-08	-0.265265661	5.83E-09
CHST2 grey	0.226008517	8.02E-07	0.219420346	1.69E-06
CHST3 grey	0.218268534	1.92E-06	0.219649998	1.65E-06
CHST7 grey	0.014413139	0.756065214	0.034814807	0.452914117
CHST8 grey	-0.156827463	0.000671262	-0.166376133	0.000305041
CHURC1 grey	-0.087857374	0.057802112	-0.117623449	0.010962612
CIART grey	0.007882951	0.865090269	-0.004285608	0.926408042
CIB2 grey	-0.04493708	0.332552398	-0.089762957	0.052561022
CIDEA grey	-0.115286288	0.012666941	-0.120842479	0.008948504
CITED1 grey	0.060672081	0.190592974	0.059728952	0.197591121
CKAP4 grey	0.157613519	0.000630094	0.160430967	0.000501003
CKB grey	-0.151805398	0.000998879	-0.116297892	0.01190247
CKM grey	-0.034559686	0.456234108	-0.010486916	0.821183492
CKMT1A grey	0.110532195	0.016869234	0.111053709	0.016355254
CKMT1B grey	0.066987385	0.148358492	0.078700133	0.089356479
CKMT2 grey	-0.198065363	1.62E-05	-0.196789441	1.84E-05
CLC grey	-0.063339292	0.171789046	-0.097623988	0.034939542
CLCA4 grey	0.186541368	4.99E-05	0.166705966	0.000296611
CLCF1 grey	-0.101986349	0.027539384	-0.13046877	0.004743167
CLCN4 grey	-0.336199199	8.38E-14	-0.323721873	7.45E-13
CLCNKA grey	-0.213798327	3.13E-06	-0.200503045	1.27E-05
CLCNKB grey	-0.323921162	7.20E-13	-0.329961584	2.53E-13
CLDN1 grey	-0.250377681	4.16E-08	-0.263482288	7.42E-09
CLDN10 grey	-0.15108521	0.00105644	-0.151028227	0.001061123
CLDN14 grey	0.021615572	0.641273448	0.04733499	0.307373537
CLDN16 grey	-0.240108214	1.51E-07	-0.253799401	2.68E-08
CLDN17 grey	0.048147185	0.299138186	0.019863093	0.668551411
CLDN19 grey	-0.210284396	4.57E-06	-0.21602244	2.46E-06

CLDN2	grey	-0.040898882	0.377867291	-0.043851375	0.344377389
CLDN23	grey	0.108303374	0.019228396	0.105700656	0.022342637
CLDN24	grey	-0.15522905	0.00076277	-0.144740203	0.001712641
CLDN8	grey	0.082116358	0.076263719	0.06034333	0.193011402
CLDN9	grey	-0.28460406	3.76E-10	-0.285072867	3.50E-10
CLEC18A	grey	-0.090741558	0.050027241	-0.080965868	0.080486775
CLEC18B	grey	-0.160296787	0.000506547	-0.171727216	0.000192358
CLEC18C	grey	-0.107441122	0.020215399	-0.107328115	0.020347968
CLEC2A	grey	0.016610992	0.720321414	0.01380626	0.766031073
CLEC2L	grey	-0.130464951	0.004744401	-0.137277839	0.002951596
CLEC3A	grey	-0.062931165	0.174573075	-0.064812398	0.162015576
CLEC4F	grey	0.043805988	0.344877488	0.045672116	0.324696927
CLIC3	grey	0.121646993	0.008499682	0.159406803	0.000544782
CLIC5	grey	0.00573158	0.901687757	-0.011668179	0.801439716
CLK2	grey	0.04022017	0.385839647	0.012699263	0.784308297
CLK3	grey	0.127255027	0.005890084	0.131752248	0.004344483
CLNK	grey	0.02023313	0.662753665	0.040729247	0.379850328
CLPS	grey	0.062874249	0.174963977	0.056824478	0.220316507
CLPSL1	grey	0.124787345	0.006933709	0.119707529	0.00961753
CLPSL2	grey	0.160295339	0.000506607	0.150341977	0.001119038
CLPTM1	grey	0.033154903	0.474757421	0.036805041	0.427485985
CLRN3	grey	0.093437402	0.043569913	0.100066093	0.030611972
CLSTN1	grey	0.007718458	0.867879345	-0.006994881	0.880167091
CLSTN3	grey	-0.147907233	0.001348827	-0.160270244	0.00050765
CLTCL1	grey	-0.123702353	0.007442825	-0.146917216	0.001454099
CLUL1	grey	0.051410887	0.267536079	0.036874671	0.42661163
CLYBL	grey	0.02689862	0.562028463	-0.002366438	0.959323792
CMBL	grey	0.152403441	0.000953294	0.164341963	0.00036217
CMC4	grey	0.043314339	0.350324205	0.032890355	0.478291209
CMTM2	grey	0.051787553	0.264041867	0.074879384	0.106074851
CMTM7	grey	0.071239284	0.124214502	0.043608037	0.347063972
CMTM8	grey	0.161039899	0.000476548	0.133255168	0.00391629
CNGA1	grey	0.153774202	0.000855963	0.122275018	0.008163382
CNGA2	grey	-0.072452528	0.117918168	-0.07240595	0.118155191
CNGB1	grey	-0.118758022	0.010211011	-0.122604267	0.007991859
CNKSR2	grey	-0.303727362	2.01E-11	-0.281323204	6.07E-10
CNN2	grey	0.199174866	1.45E-05	0.220867298	1.44E-06
CNNM2	grey	0.20196167	1.09E-05	0.177647828	0.000113641
CNPY1	grey	0.042129783	0.363669167	-0.022032907	0.634846295
CNR1	grey	-0.246608733	6.72E-08	-0.236474257	2.34E-07
CNTD2	grey	-0.084938946	0.066662554	-0.065809117	0.15564399
CNTFR	grey	-0.363594891	4.83E-16	-0.378763844	2.23E-17
CNTN6	grey	-0.048559434	0.295014813	-0.03993743	0.389190798
CNTNAP	grey	-0.077022331	0.096417312	-0.085358589	0.065323739
CNTNAP	grey	-0.083659683	0.070883451	-0.08629883	0.062404159



CNTROB grey	0.074399149	0.108340636	0.060572847	0.191320622
COCH grey	0.028979532	0.532164125	0.053928046	0.244781531
COG1 grey	0.131974918	0.004278482	0.123327941	0.007626118
COL11A1grey	-0.082181551	0.076029917	-0.081851124	0.07722097
COL11A2grey	-0.256646232	1.85E-08	-0.264530425	6.44E-09
COL13A1grey	-0.031840618	0.492453587	-0.024395347	0.598990111
COL17A1grey	0.279466668	7.95E-10	0.276485753	1.22E-09
COL18A1grey	-0.116028244	0.012102151	-0.138952093	0.002618125
COL19A1grey	-0.062761624	0.175739416	-0.054691011	0.238159998
COL22A1grey	-0.348565142	8.70E-15	-0.334984833	1.04E-13
COL23A1grey	-0.252318943	3.24E-08	-0.243122964	1.04E-07
COL25A1grey	-0.235045648	2.78E-07	-0.228945292	5.71E-07
COL26A1grey	-0.153895915	0.000847781	-0.170250812	0.000218755
COL27A1grey	-0.070651148	0.127359356	-0.107388338	0.020277227
COL2A1 grey	0.077808891	0.093053649	0.082029429	0.076576384
COL4A3 grey	-0.216849509	2.25E-06	-0.237513315	2.06E-07
COL4A4 grey	-0.272134653	2.25E-09	-0.288828647	2.00E-10
COL7A1 grey	-0.205157764	7.85E-06	-0.18402295	6.33E-05
COL8A2 grey	-0.383497204	8.25E-18	-0.37622354	3.77E-17
COL9A1 grey	-0.297853999	5.06E-11	-0.294974978	7.89E-11
COL9A2 grey	-0.179167647	9.90E-05	-0.177184737	0.000118489
COL9A3 grey	-0.227035733	7.12E-07	-0.231040361	4.47E-07
COLEC1(grey	-0.154725944	0.000793879	-0.156811186	0.00067214
COLEC1lgrey	-0.048585853	0.294751871	-0.039527282	0.394083295
COLGAL grey	0.210514218	4.46E-06	0.151267745	0.001041568
COMMD grey	0.021931133	0.636411153	-0.03841828	0.407496715
COMP grey	-0.164932066	0.000344646	-0.139797845	0.002463067
COQ5 grey	0.181936243	7.68E-05	0.191256048	3.18E-05
COQ6 grey	0.184162866	6.24E-05	0.194555386	2.30E-05
CORO6 grey	-0.200708079	1.24E-05	-0.212144569	3.75E-06
CORO7-Pgrey	0.013501827	0.771044991	0.012962239	0.779955227
CORT grey	0.007892542	0.864927689	0.011147314	0.810130745
COX6A2 grey	-0.255219793	2.23E-08	-0.252696176	3.09E-08
COX6B2 grey	-0.13765109	0.002874073	-0.143783164	0.001839111
COX7B2 grey	-0.137793258	0.002845036	-0.136423349	0.003136279
COX8C grey	-0.152767818	0.00092647	-0.150811035	0.001079147
CP grey	-0.104317501	0.024168959	-0.105920577	0.022063558
CPA1 grey	-0.0575246	0.214674735	-0.04074265	0.379693415
CPA2 grey	-0.072996457	0.11517766	-0.06399204	0.16740539
CPA4 grey	0.047562609	0.30505062	0.076654129	0.098024872
CPA5 grey	-0.044825827	0.333751951	-0.029718028	0.521761531
CPA6 grey	0.054274398	0.241759863	0.040946352	0.377313502
CPAMD8 grey	-0.267828909	4.10E-09	-0.255904836	2.04E-08
CPB2 grey	-0.005780041	0.900860788	-0.02177155	0.638868147
CPLX1 grey	0.020337683	0.66111915	0.036954451	0.425611108

CPLX2	grey	0.027119495	0.558820628	0.00876731	0.850124906
CPLX3	grey	0.05562802	0.23020178	0.062497165	0.177570284
CPN1	grey	0.114073974	0.013639905	0.101975764	0.027555566
CPNE4	grey	0.019464481	0.674818997	0.022250246	0.631509967
CPNE7	grey	0.204864362	8.09E-06	0.198754337	1.51E-05
CPO	grey	-0.08243266	0.075134797	-0.086957672	0.060423149
CPPED1	grey	-0.005998449	0.897135031	0.014148335	0.760408814
CPS1	grey	-0.093863918	0.042615557	-0.090059785	0.051781419
CPSF4L	grey	-0.035623036	0.442486587	-0.042709151	0.357102989
CPT1A	grey	-0.018259228	0.693905487	-0.021500021	0.643057756
CPT1B	grey	0.169039544	0.000242905	0.153005364	0.00090936
CPT1C	grey	-0.189616985	3.72E-05	-0.198199934	1.60E-05
CPXM2	grey	-0.384536936	6.62E-18	-0.390106365	2.00E-18
CR2	grey	-0.208340845	5.62E-06	-0.205569408	7.52E-06
CRABP1	grey	-0.103875152	0.024779637	-0.124568038	0.007034028
CRABP2	grey	-0.284069095	4.06E-10	-0.300252826	3.48E-11
CRACR2	grey	-0.059347035	0.200477685	-0.049527719	0.28547979
CRAT	grey	0.325652916	5.35E-13	0.329379206	2.80E-13
CRB2	grey	-0.309299921	8.23E-12	-0.319255962	1.59E-12
CREG2	grey	0.053837997	0.245571449	0.033668445	0.467938605
CRELD1	grey	-0.026748463	0.564214278	-0.0364235	0.432295495
CRH	grey	-0.086220185	0.062644168	-0.041256725	0.373704986
CRHR1	grey	-0.22823782	6.20E-07	-0.223658769	1.05E-06
CRIP3	grey	-0.252494075	3.17E-08	-0.266546701	4.89E-09
CRISP1	grey	-0.032225612	0.487233626	-0.041825322	0.367149712
CRNN	grey	-0.063881677	0.16814061	-0.056589201	0.22223602
CRP	grey	-0.040185973	0.386244032	-0.041398858	0.372059631
CRTAC1	grey	-0.367901546	2.05E-16	-0.359600879	1.06E-15
CRTC1	grey	-0.120757458	0.008997147	-0.123581986	0.007501316
CRTC2	grey	-0.032645942	0.481568725	-0.0525642	0.256936523
CRYAB	grey	-0.228595218	5.94E-07	-0.225971571	8.05E-07
CRYBA2	grey	0.101655651	0.028048816	0.077631999	0.093801814
CRYBB2	grey	0.070820118	0.126449591	0.085423143	0.065119763
CRYGB	grey	-0.067541266	0.145024752	-0.063075308	0.173585994
CRYGC	grey	-0.067065696	0.147883635	-0.054827365	0.236990033
CRYGN	grey	-0.285340061	3.37E-10	-0.265253048	5.84E-09
CRYGS	grey	0.048719438	0.293424708	0.050484714	0.276262178
CRYM	grey	0.006671542	0.885667514	0.010243642	0.825264109
CSAG1	grey	-0.132463065	0.004136955	-0.134344784	0.00363015
CSF2	grey	0.062286308	0.179040175	0.095532608	0.039049362
CSF3	grey	0.221772192	1.30E-06	0.198211341	1.60E-05
CSH1	grey	-0.037316069	0.421093163	-0.100711249	0.029548445
CSH2	grey	-0.066929668	0.148709211	-0.113007327	0.014549769
CSHL1	grey	-0.064107503	0.166638772	-0.063482339	0.170821134
CSN2	grey	0.096681303	0.036744077	0.089408558	0.053504615

CSN3	grey	-0.06317401	0.172912495	-0.057842585	0.212146902
CSRP2	grey	0.069189441	0.135442679	0.033319241	0.472569449
CSRP2BP	grey	-0.130116853	0.004858102	-0.148819435	0.001258079
CSRP3	grey	-0.069920774	0.131350324	-0.065420716	0.158103951
CST6	grey	-0.100108482	0.030541102	-0.071037331	0.125287495
CST8	grey	-0.050451704	0.276576714	-0.035407603	0.445252579
CST9	grey	-0.080613341	0.081818031	-0.07560327	0.102730476
CT45A1	grey	-0.120706109	0.009026639	-0.123554114	0.007514919
CT45A10	grey	-0.057060395	0.2184037	-0.076190518	0.100079261
CT45A3	grey	-0.088200886	0.056826558	-0.086735412	0.061085554
CT45A5	grey	-0.094097665	0.042100051	-0.093838259	0.042672468
CT45A7	grey	0.04479839	0.334048212	0.052280603	0.259515591
CT47A6	grey	-0.041532377	0.370518069	-0.041563051	0.370164481
CT55	grey	-0.106949502	0.020797642	-0.113329999	0.014269056
CT83	grey	0.014541725	0.753958752	0.010963768	0.813198973
CTAG1A	grey	-0.1147867	0.013060219	-0.136689625	0.003077632
CTAG1B	grey	-0.079271193	0.087050166	-0.082785865	0.073890278
CTAG2	grey	-0.091467615	0.048214007	-0.131344535	0.004467719
CTAGE1	grey	0.09649944	0.037101165	0.114793941	0.013054443
CTAGE4	grey	0.11867921	0.010261703	0.144114782	0.001794351
CTAGE8	grey	-0.056345431	0.224237382	-0.10172737	0.027937652
CTB-50L	grey	0.091000204	0.049374878	0.060045543	0.195221375
CTB-54O	grey	0.192841926	2.72E-05	0.18004016	9.14E-05
CTB-60B	grey	-0.087066703	0.06010038	-0.078490415	0.090215673
CTB-96E	grey	0.046634662	0.314593612	0.049616159	0.284619357
CTC-260I	grey	-0.112635928	0.014878871	-0.108868336	0.018604698
CTC-273I	grey	0.038191949	0.410267153	0.034894767	0.451876368
CTC-326I	grey	0.081505925	0.078481409	0.066755368	0.149772187
CTC-360	grey	-0.132592033	0.004100277	-0.149351114	0.001207814
CTC-398	grey	-0.03022163	0.514727971	-0.052729393	0.255442441
CTC-429I	grey	0.00206852	0.964441011	0.010993717	0.812698143
CTC-435I	grey	-0.01336356	0.773325389	0.008684316	0.851527163
CTC-490I	grey	0.055419796	0.231953776	0.06132387	0.185864036
CTC-512I	grey	-0.004451477	0.923568312	-0.008432004	0.855793018
CTC1	grey	0.273805162	1.78E-09	0.244690522	8.54E-08
CTCFL	grey	-0.275436708	1.41E-09	-0.283753797	4.26E-10
CTD-200	grey	0.012595252	0.786031859	0.02420734	0.601809897
CTD-200	grey	-0.016292942	0.725458433	-0.013241962	0.775332475
CTD-210	grey	-0.118228249	0.010556075	-0.139793846	0.00246378
CTD-213	grey	0.044246015	0.340048577	0.063222225	0.172584208
CTD-213	grey	-0.013105133	0.777592746	-0.038195561	0.410222861
CTD-214	grey	0.010789999	0.816106412	-0.005301901	0.909024723
CTD-219	grey	0.09865817	0.033047165	0.11464118	0.01317678
CTD-219	grey	0.038921453	0.401377514	0.032231467	0.487154469
CTD-220	grey	-0.038667687	0.404456717	-0.032445572	0.484264693

CTD-220f_grey	-0.042198985	0.362880949	-0.060291132	0.19339745
CTD-227f_grey	-0.045947304	0.321787174	-0.057366328	0.215940962
CTD-234f_grey	-0.024934744	0.590933431	-0.048465094	0.295955046
CTD-236f_grey	0.050488969	0.276221645	0.025203063	0.586944269
CTD-236f_grey	-0.065556906	0.157238062	-0.075505364	0.103177857
CTD-241f_grey	0.002288687	0.96065914	-0.021251275	0.646905801
CTD-251f_grey	-0.072471731	0.117820555	-0.074612474	0.107329482
CTD-254f_grey	0.114396848	0.01337455	0.145473644	0.001621171
CTD-256f_grey	-0.013777241	0.766508586	0.00677805	0.883855057
CTD-257f_grey	-0.052129112	0.260900562	-0.063331583	0.171841322
CTD-258f_grey	-0.039319872	0.396571477	-0.037942264	0.413336371
CTD-258f_grey	0.09246849	0.045804941	0.100563075	0.029789864
CTD-261f_grey	-0.064282092	0.165484584	-0.073871928	0.110871878
CTD-310f_grey	0.012939915	0.780324487	-0.001503659	0.974147263
CTD-314f_grey	0.025263427	0.586048554	0.02300526	0.619978257
CTD-321f_grey	0.019485792	0.674483334	0.024792996	0.59304582
CTD-321f_grey	0.032282515	0.486464636	0.052351608	0.258868192
CTDP1_grey	0.109694729	0.017724188	0.124174651	0.007217236
CTDSPL_grey	0.254191705	2.55E-08	0.238335019	1.87E-07
CTH_grey	0.219400302	1.69E-06	0.183813522	6.45E-05
CTHRC1_grey	-0.167641271	0.000273876	-0.162574733	0.000419744
CTNND2_grey	0.046624805	0.314696017	0.008393271	0.856448261
CTNS_grey	0.041416741	0.371852928	0.03276602	0.479956997
CTRB1_grey	0.023063465	0.619093062	0.024305713	0.600333727
CTRB2_grey	-0.010535622	0.820367096	-0.016182702	0.727241883
CTSA_grey	-0.095145932	0.039852421	-0.080461489	0.082396934
CTSE_grey	0.031978835	0.490576131	0.079230978	0.087211
CTSH_grey	0.18927786	3.84E-05	0.165010689	0.000342372
CTSV_grey	0.344754897	1.77E-14	0.353058945	3.72E-15
CTTN_grey	0.12204814	0.008283478	0.131079583	0.004549488
CTTNBP2_grey	-0.220114084	1.56E-06	-0.23959955	1.60E-07
CTXN3_grey	0.084485576	0.068134199	0.076330631	0.099454801
CUL9_grey	0.003063331	0.947360393	-0.007392189	0.873416273
CUX2_grey	-0.065836765	0.155469991	-0.057573046	0.214288218
CUZD1_grey	-0.336210035	8.36E-14	-0.352122766	4.45E-15
CWC25_grey	-0.068379078	0.14009117	-0.088843971	0.055036939
CX3CL1_grey	0.117302952	0.011183618	0.105156099	0.02304688
CXCL6_grey	-0.083619094	0.071020869	-0.06722525	0.146919734
CXCL8_grey	0.17185665	0.000190192	0.171821521	0.000190777
CXCR1_grey	0.080204802	0.083383017	0.097956776	0.034320778
CXCR4_grey	0.053914585	0.244899501	0.05578605	0.228878397
CXorf38_grey	-0.098907548	0.032604161	-0.087661037	0.058365905
CXorf49_grey	-0.087907783	0.057658091	-0.086465516	0.061897974
CXorf49E_grey	-0.044697644	0.335137492	-0.058748395	0.205063797
CXorf67_grey	-0.196559323	1.88E-05	-0.200284675	1.30E-05

CXXC5	grey	-0.239166922	1.69E-07	-0.2350727	2.77E-07
CYB561E	grey	-0.162750245	0.000413667	-0.16250612	0.000422143
CYB5A	grey	0.213052049	3.40E-06	0.196390887	1.92E-05
CYB5B	grey	0.214285507	2.97E-06	0.232771522	3.64E-07
CYB5R2	grey	0.080687784	0.081535436	0.105205814	0.022981799
CYB5R3	grey	0.03991427	0.389466077	0.047790209	0.302739538
CYFIP2	grey	-0.263898996	7.01E-09	-0.261431747	9.78E-09
CYP17A1	grey	-0.040788527	0.379156621	-0.041971006	0.365481704
CYP1A1	grey	0.008653301	0.852051296	0.02109983	0.649253252
CYP1A2	grey	-0.199936446	1.34E-05	-0.199542867	1.40E-05
CYP21A2	grey	-0.040960218	0.377151838	-0.056052415	0.226660019
CYP24A1	grey	0.129467106	0.005076926	0.103042671	0.025965089
CYP26A1	grey	0.0195883	0.672869691	0.014204282	0.759490477
CYP26B1	grey	-0.081320793	0.079164233	-0.098289746	0.03371104
CYP26C1	grey	-0.296050617	6.69E-11	-0.297872363	5.05E-11
CYP27B1	grey	0.130306399	0.004795888	0.145424126	0.001627202
CYP27C1	grey	-0.142792616	0.001978968	-0.128405378	0.005453667
CYP2A6	grey	-0.111677237	0.015758776	-0.095900928	0.038297207
CYP2B6	grey	0.082295297	0.075623384	0.068226655	0.140979027
CYP2C18	grey	-0.011323764	0.80718386	-0.012741317	0.783611712
CYP2C9	grey	-0.034039577	0.46304457	-0.038228827	0.409814991
CYP2D6	grey	0.126798945	0.006071624	0.139204156	0.002571007
CYP2E1	grey	0.046257681	0.318525766	0.029556821	0.52402339
CYP2R1	grey	-0.152021419	0.000982186	-0.180852641	8.49E-05
CYP2S1	grey	-0.312347431	5.01E-12	-0.301557735	2.84E-11
CYP2W1	grey	-0.115566476	0.012450981	-0.104363944	0.024105603
CYP3A5	grey	0.002293075	0.96058377	-0.006914587	0.881532469
CYP3A7	grey	-0.020894017	0.652448985	-0.021712841	0.639773044
CYP4A11	grey	0.002252377	0.961282779	0.002430178	0.958229152
CYP4F11	grey	0.063093813	0.173459576	0.055759087	0.229103804
CYP4F12	grey	-0.09416298	0.041956948	-0.088935603	0.054785794
CYP4F3	grey	0.016325573	0.724930824	0.015897303	0.731865858
CYP4F8	grey	-0.066695529	0.150138445	-0.090393678	0.050916019
CYP4Z1	grey	0.035540294	0.443547765	0.028717468	0.53588062
CYSLTR2	grey	-0.074130214	0.109626067	-0.058402859	0.207745268
CYSRT1	grey	0.231306371	4.33E-07	0.248765207	5.11E-08
CYTH2	grey	0.209570377	4.93E-06	0.190522273	3.41E-05
D4S234E	grey	-0.113558413	0.014073234	-0.133980221	0.003723705
DAB1	grey	-0.179255935	9.82E-05	-0.19175396	3.03E-05
DAB2IP	grey	0.014331843	0.757397909	0.014193342	0.759670036
DACH2	grey	-0.146235421	0.00153093	-0.14414525	0.001790289
DAP	grey	0.187732651	4.46E-05	0.207684402	6.03E-06
DAPK1	grey	0.102619532	0.026586153	0.088238649	0.05672015
DAPK2	grey	0.240184958	1.49E-07	0.240065375	1.51E-07
DAPL1	grey	0.008676173	0.85166476	-0.010432867	0.822089698

DAZ1	grey	0.000949501	0.983673301	-0.016883512	0.71592975
DAZ2	grey	-0.043200072	0.351597855	-0.044901885	0.332931574
DBP	grey	-0.177839073	0.000111693	-0.181781952	7.79E-05
DBX1	grey	-0.100087092	0.030576846	-0.093245156	0.044005922
DBX2	grey	-0.062084696	0.180454041	-0.043307862	0.350396321
DCAF12I	grey	-0.432065769	1.16E-22	-0.433396646	8.31E-23
DCAF4	grey	-0.24012946	1.50E-07	-0.271330698	2.52E-09
DCAF4L2	grey	-0.119689102	0.00962875	-0.115294698	0.012660412
DCAF8L1	grey	-0.113118017	0.014452931	-0.114369926	0.013396501
DCANP1	grey	0.012915995	0.780720209	-0.01742286	0.707265846
DCBLD1	grey	0.200558963	1.26E-05	0.214370475	2.94E-06
DCC	grey	-0.131186642	0.004516286	-0.134860152	0.003501528
DCD	grey	0.094989191	0.040181901	0.055290487	0.233046515
DCLK3	grey	-0.014892918	0.748214966	-0.032809841	0.479369536
DCPS	grey	0.220714386	1.46E-06	0.22280103	1.16E-06
DCT	grey	-0.077844138	0.092905143	-0.091699432	0.047646792
DCTD	grey	0.227874394	6.46E-07	0.208512352	5.52E-06
DCUN1D	grey	-0.24478053	8.45E-08	-0.267281928	4.42E-09
DCX	grey	0.031495245	0.497161674	0.025302627	0.585467205
DDA1	grey	-0.125895155	0.006446279	-0.1042389	0.02427651
DDB2	grey	0.360444773	8.97E-16	0.376649771	3.45E-17
DDC	grey	-0.046559765	0.315372296	-0.056350968	0.224191782
DDIT3	grey	-0.089564025	0.053088961	-0.08337792	0.071841884
DDIT4	grey	0.279239712	8.21E-10	0.287301598	2.52E-10
DDIT4L	grey	0.242244854	1.16E-07	0.22209119	1.25E-06
DDN	grey	0.087282813	0.059464831	0.06045294	0.192202582
DDTL	grey	-0.080700711	0.081486443	-0.091183908	0.048915868
DDX19B	grey	0.186486587	5.02E-05	0.206814043	6.60E-06
DDX25	grey	-0.306291757	1.34E-11	-0.300939491	3.13E-11
DDX43	grey	-0.076554192	0.098464858	-0.094306054	0.041644911
1-Dec	grey	-0.031937729	0.491134086	-0.038100096	0.411394679
DEDD2	grey	-0.025880745	0.576924824	0.002204589	0.962103612
DEF8	grey	0.097847854	0.034522265	0.087657531	0.058376014
DEFA3	grey	-0.023141721	0.617903814	0.037240192	0.422038817
DEFA4	grey	-0.024084184	0.603660249	0.043748866	0.345507528
DEFB1	grey	0.234853633	2.84E-07	0.213910623	3.10E-06
DEFB103	grey	-0.029861876	0.519747461	-0.030505778	0.510781195
DEFB104	grey	0.026564744	0.566894197	0.019878592	0.668308184
DEFB104	grey	0.128053963	0.005583794	0.115378942	0.012595163
DEFB105	grey	-0.004647635	0.920211261	-0.015748584	0.734279219
DEFB105	grey	0.030575178	0.509819638	0.0396833	0.392217862
DEFB106	grey	-0.027523679	0.552973627	-0.042004839	0.365095008
DEFB107	grey	-0.035857037	0.439493318	-0.042391264	0.360696447
DEFB107	grey	0.034377973	0.458607103	-0.00704579	0.879301587
DEFB126	grey	-0.11191328	0.015538001	-0.129920559	0.004923296

DEFB132 grey	0.030103853	0.516368487	0.019735054	0.670562157
DEFB136 grey	0.026753727	0.564137575	0.031372894	0.498835258
DEFB4A grey	0.280716784	6.63E-10	0.284993218	3.55E-10
DEFB4B grey	0.142516794	0.002019608	0.145215694	0.001652817
DEGS2 grey	0.209938033	4.75E-06	0.21871075	1.83E-06
DENND1 grey	0.000324738	0.994415784	0.012365936	0.789835553
DENND4 grey	-0.022122296	0.633473192	-0.051549517	0.266246381
DESI1 grey	0.165082403	0.000340309	0.164824084	0.000347792
DGCR6 grey	0.003923363	0.93261303	-0.004298825	0.926181735
DGCR8 grey	0.030391875	0.5123614	0.014191811	0.759695154
DGKA grey	0.210037218	4.70E-06	0.211219704	4.14E-06
DGKG grey	-0.222359747	1.21E-06	-0.237581364	2.05E-07
DGKK grey	-0.045531697	0.326188232	-0.03878707	0.403006364
DGKQ grey	0.208624113	5.46E-06	0.231821168	4.07E-07
DHDDS grey	0.113166189	0.014410964	0.130290317	0.004801139
DHDH grey	0.009237953	0.842182106	0.00734418	0.874231547
DHODH grey	0.26118014	1.01E-08	0.26638341	5.00E-09
DHRS11 grey	0.093898046	0.04253996	0.105857443	0.022143363
DHRS2 grey	0.066559514	0.150973492	0.037699961	0.416327773
DHRS7 grey	0.254361194	2.49E-08	0.250396858	4.15E-08
DHRS9 grey	-0.025123241	0.588129708	0.010549892	0.820127942
DHRSX grey	0.318051831	1.95E-12	0.328126227	3.48E-13
DIRAS2 grey	0.039852452	0.39020143	0.038334338	0.408522918
DIRAS3 grey	0.081324727	0.079149676	0.046345922	0.317602487
DIRC3 grey	-0.279542496	7.86E-10	-0.278519745	9.11E-10
DISP2 grey	-0.027071606	0.559515381	-0.033806559	0.466113989
DKFZp43 grey	0.01271112	0.784111875	0.006576365	0.887287656
DKK2 grey	-0.193938693	2.44E-05	-0.171721041	0.000192461
DKKL1 grey	-0.004451581	0.923566525	-0.007650579	0.869030767
DLG3 grey	0.184445884	6.08E-05	0.21594783	2.48E-06
DLGAP1 grey	-0.030248288	0.514357022	-0.054474493	0.240026148
DLGAP2 grey	-0.098199318	0.033875713	-0.025368318	0.584493606
DLGAP3 grey	-0.335737228	9.10E-14	-0.34968496	7.05E-15
DLGAP4 grey	-0.048626936	0.294343281	-0.050046497	0.280457598
DLK1 grey	-0.209264817	5.10E-06	-0.197841827	1.66E-05
DLK2 grey	-0.195708015	2.05E-05	-0.195946667	2.00E-05
DLL3 grey	-0.133570247	0.003831519	-0.143269433	0.001910474
DLX1 grey	0.093615533	0.043169167	0.104543461	0.023862063
DLX2 grey	0.088115675	0.057067269	0.102688506	0.026484052
DLX4 grey	-0.122086789	0.008262909	-0.146325615	0.001520556
DLX5 grey	0.351005109	5.50E-15	0.337801089	6.28E-14
DLX6 grey	0.290207401	1.63E-10	0.269412963	3.29E-09
DMBX1 grey	-0.0757074	0.102256348	-0.071666068	0.121970479
DMC1 grey	0.040347349	0.384338027	0.010089795	0.827847145
DMGDH grey	-0.363356912	5.06E-16	-0.356363205	1.98E-15

DMKN	grey	-0.163133858	0.000400667	-0.16839951	0.000256651
DMRT1	grey	-0.181290098	8.15E-05	-0.180525482	8.74E-05
DMRT2	grey	-0.036569433	0.430452262	-0.035560846	0.443284048
DMRT3	grey	-0.078067681	0.091967706	-0.085594027	0.064582335
DMRTA1	grey	0.078136453	0.091680837	0.077786927	0.093146285
DMRTA2	grey	0.259696117	1.23E-08	0.270905709	2.68E-09
DMRTB1	grey	-0.109089077	0.018365844	-0.100145471	0.030479376
DMRTC1	grey	-0.127952821	0.005621761	-0.133062277	0.003969022
DMRTC1	grey	-0.109346183	0.018091018	-0.112976023	0.014577259
DMTN	grey	0.198337858	1.58E-05	0.169883605	0.000225828
DMWD	grey	-0.260702375	1.08E-08	-0.261064365	1.03E-08
DNAH1	grey	0.087961879	0.057503867	0.085305404	0.065492187
DNAH10	grey	0.009214347	0.842580111	-0.01284769	0.781850534
DNAJB1	grey	0.040978854	0.376934623	0.038276668	0.409228836
DNAJB12	grey	0.115258393	0.012688622	0.116684875	0.01162099
DNAJC1	grey	0.130193201	0.004832955	0.113142536	0.014431557
DNAJC12	grey	-0.162438551	0.000424517	-0.186380197	5.07E-05
DNAJC15	grey	0.241027079	1.34E-07	0.224565584	9.46E-07
DNAJC25	grey	-0.002183793	0.962460833	-0.025845582	0.57744271
DNAJC30	grey	0.017698326	0.702855301	0.045568375	0.325798275
DNASE1	grey	0.007405682	0.873187176	0.022535295	0.627145559
DNER	grey	-0.19517214	2.16E-05	-0.210790033	4.33E-06
DNLZ	grey	-0.088117162	0.057063062	-0.072121992	0.119608271
DNM1	grey	-0.34798401	9.70E-15	-0.340272985	4.02E-14
DNMBP	grey	0.261441993	9.77E-09	0.248651111	5.19E-08
DOC2B	grey	-0.163934284	0.000374758	-0.164047686	0.000371216
DOCK3	grey	-0.35135674	5.14E-15	-0.362736168	5.72E-16
DOCK6	grey	-0.098846569	0.032712015	-0.097731804	0.034738045
DOK4	grey	-0.032442743	0.484302817	-0.033333588	0.472378694
DOK5	grey	-0.432210605	1.12E-22	-0.43296611	9.26E-23
DOK7	grey	-0.126095856	0.006361335	-0.126160182	0.006334323
DPCR1	grey	-0.045125171	0.330530672	-0.035369849	0.445738318
DPEP3	grey	-0.109589343	0.017834411	-0.113903437	0.013781923
DPP4	grey	-0.07808539	0.091893771	-0.03958117	0.393438383
DPPA2	grey	-0.074285985	0.10888007	-0.087412637	0.059085716
DPPA3	grey	0.028781805	0.534967002	0.040224022	0.385794116
DPPA4	grey	-0.013443855	0.772000868	-0.004820239	0.917258485
DPPA5	grey	-0.112821729	0.014713422	-0.120857049	0.008940192
DPRX	grey	-0.02258401	0.626400965	-0.029341532	0.527051867
DPYS	grey	-0.116098346	0.012049956	-0.105760067	0.022266945
DPYSL5	grey	-0.163010566	0.000404803	-0.164553958	0.000355781
DQX1	grey	-0.014961933	0.747087839	-0.012763557	0.783243396
DRD1	grey	-0.153621867	0.000866307	-0.156726107	0.000676748
DRD2	grey	-0.216163355	2.42E-06	-0.241909452	1.21E-07
DRD5	grey	-0.153134388	0.000900189	-0.168565136	0.000253026



DRGX	grey	-0.121088961	0.008808806	-0.122904263	0.007838384
DSC1	grey	0.054075886	0.243488521	0.074947971	0.105754333
DSC3	grey	-0.153339839	0.000885763	-0.155287911	0.000759205
DSCR4	grey	-0.174943593	0.000144828	-0.157144841	0.000654349
DSCR8	grey	-0.201293569	1.17E-05	-0.188096556	4.30E-05
DTNBP1	grey	-0.122567316	0.008010947	-0.112001802	0.015455906
DTX1	grey	-0.289808125	1.73E-10	-0.257401878	1.67E-08
DTX3	grey	-0.14717387	0.001426106	-0.153607361	0.000867298
DTX4	grey	-0.120899049	0.008916269	-0.126437045	0.006219232
DUPD1	grey	-0.000702977	0.987911915	0.010724424	0.817204243
DUSP10	grey	0.174987608	0.000144262	0.191844559	3.00E-05
DUSP13	grey	-0.041495409	0.370944484	-0.035130847	0.448820289
DUSP15	grey	-0.338335335	5.71E-14	-0.337061323	7.18E-14
DUSP2	grey	-0.184107022	6.28E-05	-0.19199882	2.95E-05
DUSP22	grey	-0.081679045	0.077847219	-0.093897092	0.042542073
DUSP27	grey	-0.03121852	0.500951129	-0.043805146	0.344886767
DUSP28	grey	0.010989826	0.812763207	0.020049339	0.665630816
DUSP4	grey	0.347447222	1.07E-14	0.332356581	1.66E-13
DUSP6	grey	0.322299709	9.50E-13	0.311171777	6.07E-12
DUSP8	grey	0.176634218	0.000124506	0.16598989	0.000315196
DYNAP	grey	0.026131029	0.573244823	0.001033338	0.982231956
DYNLL2	grey	-0.030879176	0.505618828	-0.01761082	0.704255317
DYRK1B	grey	-0.130583373	0.004706271	-0.119371857	0.009823741
E2F4	grey	0.112015284	0.015443437	0.130410961	0.004761877
ECE1	grey	0.118814427	0.010174868	0.11948084	0.009756364
ECHDC3	grey	-0.125705178	0.00652762	-0.117281456	0.011198581
EDA	grey	-0.084494297	0.06810564	-0.120132015	0.009362272
EDARAD	grey	-0.125097694	0.006793934	-0.094799581	0.040583547
EDC3	grey	0.049428635	0.286445853	0.033197625	0.474188102
EDDM3A	grey	-0.132576089	0.004104795	-0.107095153	0.020623642
EDN2	grey	0.058905502	0.203852925	0.049450195	0.286235459
EEF1A2	grey	-0.199676537	1.38E-05	-0.197464485	1.72E-05
EEF1E1-1	grey	-0.063519288	0.170571787	-0.083607905	0.071058791
EFNA2	grey	-0.084992709	0.066489783	-0.085226985	0.065741204
EFNA5	grey	0.074656877	0.107119956	0.07221222	0.119145049
EFNB1	grey	-0.291452102	1.35E-10	-0.3091342	8.46E-12
EFNB2	grey	-0.32818298	3.45E-13	-0.316911739	2.35E-12
EFNB3	grey	-0.2466001	6.72E-08	-0.253868442	2.65E-08
EFR3B	grey	0.062057975	0.180642051	0.047217559	0.308576506
EGF	grey	0.010245281	0.8252366	0.009188415	0.84301739
EGFL6	grey	-0.251666029	3.53E-08	-0.247773301	5.80E-08
EGFLAM	grey	-0.230371028	4.83E-07	-0.234936211	2.81E-07
EGR3	grey	0.095774293	0.038554416	0.068332076	0.140364501
EGR4	grey	-0.039168354	0.398395106	-0.048677505	0.293840873
EHD3	grey	-0.242337574	1.14E-07	-0.241327834	1.30E-07

EHD4	grey	0.109165765	0.018283492	0.120766824	0.008991776
EIF1AY	grey	0.056068168	0.226529297	0.050838182	0.272909354
EIF2D	grey	0.251461994	3.62E-08	0.232834276	3.61E-07
EIF3CL	grey	-0.0098537	0.831814681	-0.02096836	0.651293892
EIF5A2	grey	-0.239180892	1.69E-07	-0.285662687	3.21E-10
EIF5AL1	grey	0.25593026	2.03E-08	0.259397815	1.28E-08
ELAC2	grey	0.358283825	1.37E-15	0.354420907	2.87E-15
ELANE	grey	-0.137425728	0.002920655	-0.100589822	0.029746161
ELAVL2	grey	0.125468706	0.006630154	0.086028456	0.063232473
ELAVL3	grey	-0.115981739	0.012136886	-0.112287752	0.015193314
ELAVL4	grey	-0.04246792	0.359827846	-0.039177087	0.398289856
ELF4	grey	-0.247092322	6.32E-08	-0.250576216	4.06E-08
ELF5	grey	0.299659586	3.82E-11	0.303707938	2.02E-11
ELFN2	grey	-0.163499485	0.000388631	-0.163815984	0.000378486
ELMOD3	grey	-0.023159287	0.617636996	-0.025678116	0.579912233
ELOVL2	grey	-0.31502413	3.22E-12	-0.307438152	1.11E-11
ELOVL3	grey	-0.232139177	3.92E-07	-0.246247865	7.03E-08
ELOVL4	grey	-0.31137158	5.88E-12	-0.318631594	1.77E-12
ELSPBP1	grey	-0.104744411	0.023591972	-0.103507074	0.02529789
EMC4	grey	0.03391687	0.464659524	0.033598038	0.46887026
EMC7	grey	0.211023864	4.23E-06	0.216339746	2.37E-06
EME2	grey	0.16502332	0.000342008	0.16086535	0.000483442
EMID1	grey	-0.120573869	0.009102986	-0.157240804	0.000649313
EMILIN2	grey	-0.185970509	5.27E-05	-0.155683913	0.000735619
EML2	grey	0.153545742	0.000871519	0.158594269	0.000582013
EML3	grey	-0.004049958	0.930444066	-0.009554591	0.836847295
EMP2	grey	0.146583376	0.001491265	0.156501512	0.000689053
EMX1	grey	-0.044411574	0.338242943	-0.042999342	0.353842307
EMX2	grey	0.000840038	0.985555306	-0.056298273	0.22462603
EN1	grey	-0.081190611	0.079647265	-0.092482446	0.045772078
EN2	grey	0.221253376	1.38E-06	0.217602736	2.07E-06
ENC1	grey	0.189895942	3.62E-05	0.175261821	0.00014078
ENDOV	grey	-0.128953783	0.005256042	-0.120113752	0.009373129
ENGASE	grey	0.013727117	0.767333604	-0.014007443	0.762722971
ENHO	grey	-0.284694779	3.71E-10	-0.308344242	9.61E-12
ENO2	grey	0.13541624	0.003367392	0.131559586	0.004402329
ENPP3	grey	0.200537005	1.26E-05	0.190639352	3.37E-05
ENPP7	grey	-0.048566557	0.2949439	-0.030865353	0.505809443
ENTHD1	grey	-0.083653833	0.070903244	-0.056718184	0.221182236
ENTPD8	grey	0.207395596	6.21E-06	0.20683444	6.59E-06
EPB41L1	grey	-0.264288077	6.65E-09	-0.253044181	2.95E-08
EPHA10	grey	-0.156273577	0.000701752	-0.139541794	0.002509103
EPHA2	grey	-0.061422259	0.185157765	-0.066527953	0.151167761
EPHA8	grey	-0.045027526	0.331579234	-0.034217983	0.460702125
EPHB1	grey	-0.273040066	1.99E-09	-0.280414732	6.93E-10

EPHB3	grey	0.204220845	8.65E-06	0.172761536	0.000175675
EPHB4	grey	0.035487665	0.444223504	0.024595723	0.595991415
EPHX3	grey	-0.180779121	8.54E-05	-0.177814438	0.000111942
EPHX4	grey	-0.245121372	8.10E-08	-0.261126695	1.02E-08
EPOR	grey	-0.055707126	0.229538654	-0.08111229	0.079939019
EPPK1	grey	-0.182506072	7.28E-05	-0.179470667	9.63E-05
EPS8L3	grey	0.163995244	0.00037285	0.153095967	0.000902911
EPYC	grey	-0.073639937	0.112000335	-0.05068909	0.274320169
ERAP2	grey	-0.099251305	0.032001815	-0.062795547	0.175505581
ERAS	grey	-0.155075175	0.000772163	-0.148449086	0.001294222
ERBB2	grey	-0.112178271	0.015293386	-0.115458695	0.012533667
EREG	grey	0.053144074	0.251718431	0.020613928	0.656808261
ERICH4	grey	-0.119006321	0.010052756	-0.123472503	0.007554875
ERN2	grey	0.14625387	0.001528803	0.148377732	0.001301295
ERO1LB	grey	-0.218632955	1.84E-06	-0.185817705	5.34E-05
ERVV-2	grey	-0.05968056	0.197955183	-0.059552799	0.198918711
ESPNL	grey	-0.261684297	9.46E-09	-0.277247714	1.09E-09
ESRRB	grey	-0.036407061	0.432503414	-0.038841745	0.402343176
ESX1	grey	-0.126115791	0.006352953	-0.13014121	0.004850067
ETNK2	grey	-0.239885919	1.55E-07	-0.25095501	3.87E-08
ETNPPL	grey	0.053622388	0.247470036	0.039799869	0.390827591
ETS2	grey	0.167385841	0.000279918	0.127860367	0.005656669
EVA1A	grey	-0.001711075	0.970582621	0.003752293	0.935544766
EVI5L	grey	0.126637878	0.006136925	0.149039364	0.001237058
EVL	grey	-0.037248051	0.421940807	-0.059922033	0.196143389
EVPLL	grey	-0.179208209	9.86E-05	-0.179404127	9.69E-05
EXOC3	grey	-0.197848617	1.66E-05	-0.170738731	0.000209678
EXOC3L	grey	-0.204608809	8.31E-06	-0.187390671	4.60E-05
EXOSC6	grey	0.024163445	0.6024691	0.050244636	0.278555332
EXTL3	grey	0.275260521	1.45E-09	0.267340749	4.39E-09
EYA1	grey	0.098035896	0.034175047	0.107824998	0.019770669
EYA4	grey	-0.342570573	2.64E-14	-0.347535239	1.05E-14
F2RL2	grey	0.053670222	0.247047951	0.056249137	0.225031494
F2RL3	grey	-0.038901869	0.401614636	0.002689347	0.953779197
F3	grey	0.06542101	0.158102075	0.077558069	0.094115921
F5	grey	0.112684051	0.014835863	0.112839478	0.014697702
F8A1	grey	0.013052251	0.778466808	0.035663672	0.441965945
F8A2	grey	0.020059033	0.665478932	0.028676881	0.536457369
F8A3	grey	-0.062135624	0.180096113	-0.073617444	0.112110226
FA2H	grey	0.311623685	5.64E-12	0.340814205	3.64E-14
FABP1	grey	-0.029335598	0.527135475	-0.020751818	0.654660686
FABP2	grey	0.053775946	0.246116813	0.063803215	0.168664782
FABP3	grey	-0.347910172	9.83E-15	-0.352340907	4.27E-15
FABP7	grey	-0.03870509	0.40400198	-0.023666869	0.609949054
FADS3	grey	-0.262702091	8.25E-09	-0.266574134	4.87E-09

FADS6	grey	-0.047637868	0.304285139	-0.05509444	0.234710169
FAH	grey	-0.069590336	0.13318738	-0.067300032	0.146469607
FAHD1	grey	0.146050606	0.001552389	0.160236264	0.000509066
FAHD2A	grey	-0.094516659	0.041189159	-0.121666346	0.008489137
FAHD2B	grey	-0.165507159	0.000328331	-0.195519561	2.09E-05
FAIM2	grey	0.191150814	3.21E-05	0.204824402	8.13E-06
FAM107	grey	-0.299310561	4.03E-11	-0.283420903	4.47E-10
FAM109	grey	0.069866959	0.131648166	0.084753964	0.067259826
FAM109E	grey	-0.006823637	0.88307947	0.016756698	0.717972213
FAM118	grey	-0.078963273	0.088287727	-0.084161433	0.069202611
FAM124	grey	-0.184320122	6.15E-05	-0.198310739	1.58E-05
FAM127C	grey	-0.096721448	0.036665648	-0.09486946	0.04043513
FAM131C	grey	-0.286510853	2.83E-10	-0.285571498	3.26E-10
FAM132	grey	-0.176552651	0.000125422	-0.166418788	0.000303938
FAM133	grey	-0.255924018	2.03E-08	-0.257647546	1.62E-08
FAM134	grey	-0.047309806	0.307631262	-0.05083445	0.272944611
FAM134E	grey	-0.099314257	0.031892544	-0.107773043	0.019830358
FAM134C	grey	0.29944241	3.95E-11	0.318656794	1.76E-12
FAM135E	grey	-0.15863447	0.000580117	-0.13319602	0.003932392
FAM153	grey	-0.10442584	0.024021392	-0.12673324	0.006098187
FAM153C	grey	-0.155015629	0.000775826	-0.161599347	0.000455063
FAM155	grey	0.041273659	0.373508716	0.019476242	0.674633751
FAM155E	grey	-0.00398864	0.93149458	-0.041282129	0.373410574
FAM156E	grey	-0.091903383	0.047152396	-0.086837614	0.060780219
FAM160E	grey	0.295481156	7.30E-11	0.284037417	4.08E-10
FAM166	grey	0.175343775	0.000139754	0.162738868	0.000414058
FAM167	grey	-0.100282984	0.030250832	-0.12364811	0.007469134
FAM170E	grey	0.095380903	0.039362779	0.068789642	0.137720987
FAM171	grey	-0.168448461	0.000255575	-0.193246642	2.62E-05
FAM171	grey	0.033441611	0.470943828	0.016017981	0.729909462
FAM177E	grey	-0.02154518	0.642360174	-0.010793392	0.816049621
FAM183E	grey	0.041512618	0.370745945	0.021720357	0.639657162
FAM189	grey	0.131237544	0.004500577	0.107105084	0.020611825
FAM192	grey	0.240492851	1.44E-07	0.246594538	6.73E-08
FAM19A	grey	-0.105489326	0.022613692	-0.10055652	0.029800581
FAM19A	grey	-0.229496341	5.35E-07	-0.2300236	5.03E-07
FAM19A	grey	-0.142251568	0.002059405	-0.139750772	0.002471472
FAM209	grey	-0.136988993	0.003012888	-0.153722823	0.000859439
FAM209E	grey	-0.099088381	0.032286101	-0.09250689	0.045714565
FAM20A	grey	-0.27667722	1.19E-09	-0.252854498	3.03E-08
FAM20C	grey	-0.267276171	4.42E-09	-0.243863734	9.47E-08
FAM210E	grey	0.225198267	8.80E-07	0.223132045	1.11E-06
FAM213	grey	-0.075722195	0.102189122	-0.08963931	0.052888646
FAM213E	grey	-0.053909954	0.244940098	-0.050273626	0.278277742
FAM214E	grey	0.03534154	0.446102744	0.064755736	0.162383601

FAM215A grey	-0.137117551	0.002985467	-0.146652248	0.001483527
FAM218A grey	-0.523132826	3.64E-34	-0.526899774	1.01E-34
FAM228A grey	-0.096156636	0.037782272	-0.091068066	0.049204897
FAM231A grey	0.000910741	0.984339699	-0.003849678	0.933875712
FAM231C grey	0.004359371	0.925145082	0.038294423	0.409011426
FAM231I grey	0.085969137	0.063415407	0.074522819	0.10775353
FAM24B grey	-0.440280048	1.45E-23	-0.457646702	1.49E-25
FAM25C grey	0.03186584	0.4921107	0.002199635	0.962188704
FAM3B grey	-0.138088664	0.002785553	-0.134810505	0.003513736
FAM3D grey	0.211684659	3.94E-06	0.23784211	1.98E-07
FAM43B grey	-0.166184831	0.000310032	-0.185091079	5.72E-05
FAM46A grey	-0.176269092	0.000128654	-0.171710308	0.000192642
FAM46B grey	-0.066274038	0.152737597	-0.054994761	0.235559254
FAM47E grey	-0.056789173	0.22060378	-0.073839111	0.111030962
FAM50B grey	-0.394909459	7.03E-19	-0.377862224	2.69E-17
FAM53A grey	-0.080264257	0.083153773	-0.106090997	0.021849379
FAM53B grey	-0.049327423	0.287434936	-0.047972786	0.300894033
FAM57A grey	0.370893893	1.12E-16	0.381117714	1.36E-17
FAM57B grey	0.012998899	0.779348928	0.01958019	0.672997299
FAM69B grey	-0.12402316	0.007288919	-0.168156538	0.000262057
FAM69C grey	-0.048398502	0.296619943	0.015919647	0.731503489
FAM71E2 grey	-0.129910948	0.004926508	-0.156629885	0.000681995
FAM71F1 grey	0.059109558	0.202287957	0.048889631	0.291739636
FAM71F2 grey	-0.031558479	0.496297886	-0.02605185	0.574407815
FAM83A grey	-0.052950243	0.253454392	-0.041041125	0.376209372
FAM83F grey	-0.07037503	0.128856942	-0.05367016	0.247048491
FAM86C1 grey	0.152432328	0.000951142	0.150192823	0.001132006
FAM90A grey	-0.340820909	3.64E-14	-0.350399747	6.16E-15
FAM90A2 grey	-0.078954115	0.088324748	-0.08160424	0.078120741
FAM98C grey	0.115643276	0.012392356	0.127628811	0.005744955
FAM9C grey	0.014241709	0.758876328	0.015094168	0.744929746
FAT2 grey	0.027192146	0.557767447	0.053066155	0.252415278
FATE1 grey	-0.057909714	0.211616011	-0.061670033	0.18338794
FAXC grey	-0.062161507	0.17991441	-0.043972688	0.343042994
FBLIM1 grey	0.049877888	0.282083264	0.045316537	0.328481911
FBLL1 grey	-0.124253207	0.007180313	-0.120966168	0.008878156
FBLN2 grey	-0.30932749	8.20E-12	-0.292971015	1.07E-10
FBLN7 grey	0.09690024	0.036318071	0.1078084	0.019789721
FBN3 grey	-0.268816087	3.58E-09	-0.283482105	4.43E-10
FBP2 grey	-0.009079165	0.844860137	0.004538498	0.922078857
FBRS grey	-0.081893781	0.07706636	-0.085311632	0.065472443
FBXL16 grey	-0.181654916	7.88E-05	-0.167518183	0.000276772
FBXO10 grey	0.012596148	0.78601701	-0.002321002	0.960104124
FBXO2 grey	-0.259949551	1.19E-08	-0.255582615	2.12E-08
FBXO24 grey	0.0432953	0.350536212	0.027897882	0.547587122

FBXO27	grey	-0.31616495	2.67E-12	-0.315327393	3.06E-12
FBXO46	grey	-0.009020763	0.845845572	-0.025557957	0.581687176
FCGR3B	grey	0.047041738	0.310383424	0.074449157	0.108102927
FCGRT	grey	-0.062166028	0.179882686	-0.06286449	0.175031068
FCHSD1	grey	-0.146771143	0.001470255	-0.171547668	0.0001954
FCN2	grey	-0.086961528	0.060411711	-0.092846874	0.044920908
FCN3	grey	0.090645131	0.050272289	0.121126096	0.008787927
FCRL2	grey	0.153791693	0.000854783	0.185237944	5.64E-05
FCRLB	grey	-0.22278654	1.16E-06	-0.22681967	7.30E-07
FDCSP	grey	-0.084688547	0.067472093	-0.068639851	0.138582133
FDXACB	grey	0.204226504	8.65E-06	0.204608405	8.31E-06
FEM1A	grey	0.109822242	0.017591617	0.144739223	0.001712766
FER1L5	grey	-0.24753855	5.97E-08	-0.238211917	1.90E-07
FERD3L	grey	-0.04272667	0.356905606	-0.044792343	0.334113519
FERMT1	grey	0.07126697	0.124067963	0.073436592	0.112996861
FETUB	grey	0.082135744	0.076194135	0.094603828	0.04100176
FEV	grey	0.018954085	0.68287711	0.000773562	0.986698279
FEZF1	grey	0.138965209	0.002615654	0.147117331	0.00143223
FEZF2	grey	-0.001915489	0.967070151	-0.00584796	0.899701946
FFAR1	grey	-0.289123206	1.92E-10	-0.295454372	7.33E-11
FGD1	grey	-0.13039009	0.004768648	-0.150309102	0.001121885
FGF11	grey	-0.095740798	0.038622692	-0.134747797	0.003529211
FGF12	grey	-0.369932257	1.36E-16	-0.364089144	4.38E-16
FGF16	grey	-0.142909715	0.001961942	-0.144370911	0.001760466
FGF17	grey	-0.069811908	0.131953386	-0.103735149	0.02497567
FGF18	grey	0.034405596	0.458245933	0.013607466	0.76930406
FGF21	grey	-0.077267179	0.09536	-0.058158441	0.209657281
FGF22	grey	0.102095445	0.027373079	0.134467406	0.003599164
FGF23	grey	0.026157147	0.572861436	0.013005514	0.77923954
FGF5	grey	0.035904426	0.438888547	0.050755463	0.273691487
FGF9	grey	-0.073478476	0.112791035	-0.087632867	0.05844717
FGFBP2	grey	0.098626773	0.033103302	0.096726286	0.036656205
FGFBP3	grey	-0.036041283	0.43714468	-0.044993405	0.331946142
FGFR1	grey	0.103021827	0.025995387	0.072160687	0.119409442
FGFR2	grey	-0.075354469	0.103870384	-0.088757023	0.05527613
FGFR3	grey	-0.133050454	0.003972275	-0.12910681	0.005202059
FGFR4	grey	-0.066684247	0.150207579	-0.079246496	0.08714891
FGFRL1	grey	0.012256783	0.791647848	0.025210497	0.586833931
FGL1	grey	0.224781073	9.23E-07	0.200965505	1.21E-05
FHDC1	grey	0.040355086	0.384246783	0.028841117	0.534125446
FHL2	grey	0.052476043	0.25773633	0.082043116	0.076527088
FHOD1	grey	0.235429046	2.65E-07	0.246771963	6.58E-08
FIBCD1	grey	0.116822381	0.011522399	0.117699272	0.010910896
FICD	grey	0.245179173	8.04E-08	0.252022685	3.37E-08
FIGLA	grey	0.012902615	0.780941593	0.034337737	0.459133483

FJX1	grey	-0.325725084	5.28E-13	-0.3318807	1.81E-13
FKBP10	grey	-0.092531794	0.045656031	-0.122145683	0.008231652
FKBP11	grey	0.150564453	0.001099951	0.149609775	0.001184034
FKBP1B	grey	-0.276044563	1.30E-09	-0.24732454	6.14E-08
FKBP1C	grey	-0.176476443	0.000126283	-0.170613621	0.000211971
FKBP5	grey	-0.05746576	0.215144849	-0.078241904	0.091242362
FKRP	grey	-0.088637015	0.055607688	-0.103186443	0.025756933
FKSG48	grey	-0.128046233	0.005586688	-0.10900272	0.018458967
FKSG51	grey	-0.123505108	0.007538889	-0.123604742	0.007490227
FKSG52	grey	-0.107543699	0.020095718	-0.117667619	0.01093246
FKSG54	grey	-0.079839034	0.084804585	-0.082082289	0.076386135
FKSG56	grey	-0.04008945	0.387386803	-0.006484536	0.888851254
FKSG59	grey	-0.052027239	0.261834775	-0.063622181	0.16987885
FKSG63	grey	-0.005850201	0.899663703	-0.000393186	0.99323876
FKSG66	grey	-0.10754278	0.020096787	-0.129128164	0.005194566
FLG	grey	-0.139109743	0.002588564	-0.144350073	0.0017632
FLRT1	grey	-0.188515071	4.14E-05	-0.192479112	2.82E-05
FLRT3	grey	-0.163959483	0.000373968	-0.178285838	0.000107265
FLYWCH	grey	0.099216273	0.032062762	0.109128348	0.018323632
FMN2	grey	-0.042556452	0.358826314	-0.039620003	0.392974032
FMO3	grey	0.002678162	0.953971204	0.031335485	0.499347561
FMR1NB	grey	-0.130663697	0.004680565	-0.1416925	0.002145652
FN3K	grey	0.275787916	1.35E-09	0.279375864	8.05E-10
FNDC4	grey	-0.251776783	3.48E-08	-0.249655887	4.57E-08
FNDC8	grey	0.005378129	0.907722513	-0.002654881	0.954370893
FNTB	grey	0.125924104	0.006433964	0.127286517	0.005877731
FO082796	grey	-0.0751617	0.104760448	-0.069154097	0.135642918
FO538757	grey	-0.063166025	0.172966905	-0.064623223	0.16324674
FOLR1	grey	-0.124635628	0.007002972	-0.092856731	0.04489807
FOLR3	grey	-0.256136957	1.97E-08	-0.260066786	1.17E-08
FOXA3	grey	-0.049564372	0.285122978	-0.041416108	0.37186024
FOXC1	grey	0.013230858	0.77551583	0.042455381	0.359969844
FOXC2	grey	0.167307241	0.000281802	0.145478625	0.001620565
FOXD1	grey	-0.051931908	0.262711087	-0.024416017	0.598680473
FOXD2	grey	0.024792826	0.593048363	0.017355056	0.708352981
FOXD3	grey	-0.168352911	0.00025768	-0.174875159	0.000145713
FOXD4	grey	0.183299009	6.77E-05	0.197894062	1.65E-05
FOXD4L1	grey	0.149513008	0.001192879	0.134900263	0.003491693
FOXD4L2	grey	0.055050445	0.235084662	0.063744986	0.169054568
FOXD4L3	grey	0.105495346	0.022605931	0.114843249	0.01301517
FOX E1	grey	-0.132867074	0.004023038	-0.117816428	0.010831414
FOX F2	grey	0.135721687	0.003295716	0.152085336	0.000977296
FOX G1	grey	0.010797215	0.815985618	0.038899809	0.401639585
FOX H1	grey	-0.030522204	0.510553531	-0.039376176	0.39589509
FOX I1	grey	0.048750326	0.2931184	0.074430457	0.108191768

FOXI3	grey	-0.232943414	3.57E-07	-0.24703128	6.37E-08
FOXN1	grey	-0.164567009	0.000355391	-0.179812683	9.33E-05
FOXO6	grey	-0.352920087	3.82E-15	-0.357601188	1.56E-15
FOXQ1	grey	0.088645351	0.055584603	0.07577452	0.101951653
FOXR2	grey	-0.083839676	0.070276687	-0.080341417	0.08285702
FREM3	grey	-0.184821873	5.87E-05	-0.190605386	3.38E-05
FRG2	grey	0.12308711	0.007746138	0.104148721	0.024400414
FRG2B	grey	0.050516797	0.275956699	0.045699415	0.324407517
FRMD1	grey	-0.171977688	0.000188187	-0.173411491	0.000165897
FRMD4A	grey	-0.09794216	0.034347757	-0.119215311	0.009921246
FRMD5	grey	-0.076908362	0.096912633	-0.081582402	0.078200736
FRMPD4	grey	-0.022845061	0.622417406	-0.006769039	0.884008374
FRRS1L	grey	-0.170488848	0.000214282	-0.151298213	0.001039105
FRS3	grey	-0.101583184	0.028161524	-0.121877238	0.008374981
FRZB	grey	-0.088218299	0.056777471	-0.060322644	0.193164322
FSCN1	grey	-0.149496797	0.001194367	-0.143787313	0.001838545
FSCN2	grey	0.064914984	0.161350872	0.082152464	0.076134162
FSCN3	grey	0.00300523	0.948357384	0.00299095	0.948602442
FSD1	grey	-0.270208848	2.95E-09	-0.28269865	4.97E-10
FSTL5	grey	-0.061528853	0.184394841	-0.046363826	0.317415373
FTCD	grey	-0.151694747	0.00100753	-0.166340084	0.000305975
FTCDNL	grey	-0.151059013	0.001058591	-0.151635236	0.001012212
FTHL17	grey	-0.093949945	0.042425216	-0.090231732	0.051334239
FTMT	grey	0.014650138	0.75218419	0.020524629	0.658200556
FURIN	grey	0.086238894	0.062587003	0.092339645	0.046109283
FUT1	grey	-0.139403456	0.0025343	-0.152831786	0.000921834
FUT3	grey	0.279231604	8.22E-10	0.320254007	1.34E-12
FUT4	grey	-0.065762531	0.155937511	-0.062704744	0.176132006
FUT5	grey	-0.084440282	0.068282676	-0.069054224	0.136209965
FUT6	grey	0.255968275	2.02E-08	0.288441319	2.12E-10
FXYD2	grey	-0.109538927	0.017887352	-0.113857864	0.013820094
FXYD4	grey	-0.009937837	0.830400287	-0.0105542	0.820055739
FXYD7	grey	-0.333966068	1.25E-13	-0.329755014	2.62E-13
FZD2	grey	0.021929639	0.636434141	0.031846771	0.492369929
FZD8	grey	0.199722144	1.37E-05	0.206547508	6.79E-06
FZD9	grey	-0.047375713	0.306957096	-0.049921558	0.281661603
G0S2	grey	0.159272068	0.000550799	0.1722766	0.00018332
G6PD	grey	0.093423294	0.043601786	0.094096546	0.042102506
GAA	grey	0.052891833	0.253979142	0.026417372	0.569048302
GABBR2	grey	-0.063827517	0.168502299	-0.034148181	0.461617825
GABRA2	grey	-0.169274576	0.000238032	-0.178923702	0.000101229
GABRA3	grey	-0.239611717	1.60E-07	-0.241766784	1.23E-07
GABRA5	grey	-0.094022392	0.042265481	-0.109642634	0.017778599
GABRD	grey	0.126186799	0.006323176	0.144649642	0.001724257
GABRE	grey	-0.375633458	4.26E-17	-0.39605423	5.46E-19



GABRG1 grey	-0.098537508	0.033263351	-0.113833287	0.013840718
GABRG2 grey	-0.189041765	3.93E-05	-0.189151076	3.89E-05
GABRG3 grey	-0.091714322	0.04761055	-0.114402766	0.013369729
GABRQ grey	-0.312531162	4.86E-12	-0.327294919	4.03E-13
GABRR1 grey	-0.141161356	0.002230637	-0.14976938	0.001169577
GAD2 grey	-0.001243488	0.978619253	0.001391822	0.976069494
GADD45 grey	0.144025309	0.001806328	0.113787293	0.013879387
GADL1 grey	-0.089084969	0.054378451	-0.079258701	0.087100099
GAGE1 grey	-0.101855453	0.027740067	-0.102798569	0.026321827
GAGE12I grey	-0.081423277	0.078785648	-0.085458681	0.065007693
GAGE13 grey	-0.089988666	0.051967325	-0.070272883	0.129414401
GAGE2A grey	-0.113641271	0.014002785	-0.115211009	0.012725524
GAK grey	0.216426923	2.35E-06	0.251764309	3.48E-08
GAL grey	-0.196308944	1.93E-05	-0.213226995	3.33E-06
GAL3ST1 grey	-0.069924853	0.131327768	-0.071391969	0.123408025
GAL3ST2 grey	-0.026207298	0.572125627	-0.021450207	0.643827619
GAL3ST3 grey	-0.390296384	1.92E-18	-0.397136966	4.30E-19
GALNT1 grey	-0.257110978	1.74E-08	-0.246315951	6.97E-08
GALNT1 grey	-0.123777232	0.007406645	-0.123662646	0.007462076
GALNT1 grey	0.199570296	1.39E-05	0.179705302	9.43E-05
GALNT5 grey	0.118423537	0.01042769	0.139258714	0.002560911
GALNT8 grey	-0.228666104	5.90E-07	-0.234976379	2.80E-07
GALNT9 grey	-0.161848377	0.000445792	-0.165440393	0.000330187
GALP grey	-0.059109315	0.202289814	-0.047992478	0.300695436
GALR1 grey	-0.192591904	2.79E-05	-0.185317008	5.60E-05
GALR3 grey	0.062355487	0.178556935	0.074797564	0.106458213
GALT grey	-0.150301947	0.001122505	-0.148820763	0.001257951
GAMT grey	0.152269115	0.000963362	0.165600916	0.000325741
GAP43 grey	-0.066927411	0.148722938	-0.067813443	0.143407655
GAREML grey	-0.177984941	0.000110229	-0.189069839	3.92E-05
GAS2 grey	-0.023979432	0.605236098	-0.056199094	0.225444966
GAS2L1 grey	0.20542644	7.63E-06	0.229597572	5.29E-07
GAST grey	0.026087976	0.573877045	0.017020937	0.713718686
GATA2 grey	-0.065629552	0.156777655	-0.096713481	0.036681201
GATA3 grey	-0.040872104	0.378179909	-0.008978226	0.846563463
GATA5 grey	-0.212327977	3.67E-06	-0.198840786	1.50E-05
GATM grey	0.022510366	0.627526721	0.000566123	0.990265066
GATSL3 grey	-0.129641458	0.005017352	-0.144980349	0.001682183
GBGT1 grey	-0.215875631	2.50E-06	-0.248493313	5.29E-08
GBP6 grey	-0.099464836	0.031632465	-0.123806847	0.007392379
GBX1 grey	-0.141014352	0.002254695	-0.14456616	0.00173503
GCG grey	0.063331257	0.171843536	0.072268955	0.118854492
GCGR grey	-0.223012395	1.13E-06	-0.239447092	1.63E-07
GCK grey	-0.361873425	6.78E-16	-0.345374308	1.58E-14
GCM1 grey	-0.0974117	0.035339196	-0.086435591	0.061988598

GCNT4	grey	-0.168044924	0.000264576	-0.169255869	0.000238417
GDA	grey	0.178089698	0.000109189	0.180897879	8.45E-05
GDF11	grey	-0.130879997	0.004611973	-0.144359695	0.001761937
GDF3	grey	0.078849906	0.088746906	0.071093502	0.124988333
GDF5OS	grey	0.043006079	0.353766834	0.03172386	0.494042545
GDF6	grey	-0.109278642	0.018162865	-0.115295448	0.012659829
GDF9	grey	0.029412848	0.52604768	0.024726384	0.594039699
GDPD2	grey	-0.215916952	2.49E-06	-0.216417041	2.35E-06
GDPD3	grey	-0.067275507	0.146617111	-0.061529649	0.184389154
GDPD5	grey	-0.331466357	1.94E-13	-0.318874192	1.69E-12
GDPGP1	grey	0.25016212	4.28E-08	0.274986022	1.51E-09
GFAP	grey	-0.064661351	0.162998032	-0.055563138	0.230746692
GFOD1	grey	-0.425707746	5.56E-22	-0.415715464	6.12E-21
GFRA2	grey	-0.221002061	1.42E-06	-0.244084641	9.21E-08
GFRA3	grey	0.027343271	0.555579743	0.012473055	0.788058126
GFRA4	grey	-0.070688192	0.127159472	-0.076674406	0.09793579
GFY	grey	0.081420717	0.078795088	0.059449517	0.199700124
GGA2	grey	0.124370624	0.00712544	0.133990161	0.003721125
GGA3	grey	-0.187653943	4.49E-05	-0.212751031	3.51E-06
GGACT	grey	0.307853045	1.04E-11	0.29047485	1.57E-10
GGN	grey	-0.116110705	0.012040775	-0.115022937	0.012872931
GGT1	grey	0.272059519	2.28E-09	0.253322413	2.85E-08
GGT2	grey	-0.050665715	0.274541809	-0.061729782	0.182963034
GGT7	grey	-0.189693735	3.69E-05	-0.239669138	1.59E-07
GGTLC3	grey	0.098483533	0.033360445	0.098448299	0.033423958
GH1	grey	-0.173661086	0.000162279	-0.165672191	0.000323784
GH2	grey	-0.071564476	0.122501764	-0.118767823	0.010204722
GHRH	grey	-0.076831497	0.097247843	-0.078885282	0.088603412
GHRHR	grey	-0.04543427	0.327225551	-0.043977451	0.342990666
GIGYF1	grey	-0.178099106	0.000109096	-0.203805805	9.03E-06
GIMAP1-	grey	-0.019290632	0.677559604	-0.021471456	0.643499176
GIPC2	grey	-0.050406456	0.277008254	-0.073094558	0.114688749
GIT1	grey	-0.052491455	0.257596384	-0.059360435	0.200375885
GJA3	grey	-0.104222825	0.024298557	-0.099097845	0.032269529
GJB1	grey	0.163966924	0.000373735	0.176685197	0.000123937
GJB3	grey	-0.141285944	0.002210431	-0.126794148	0.006073559
GJB4	grey	0.045635509	0.325085278	0.077693397	0.093541587
GJB5	grey	0.063029842	0.173896894	0.076688148	0.097875454
GJD4	grey	-0.069228316	0.135222706	-0.072224452	0.119082357
GLB1	grey	0.237741623	2.01E-07	0.225290093	8.70E-07
GLDN	grey	-0.167044293	0.000288191	-0.182124263	7.55E-05
GLOD5	grey	-0.172806091	0.000174988	-0.161279016	0.000467252
GLP1R	grey	-0.128389918	0.005459334	-0.14194562	0.002106203
GLRX	grey	-0.026265972	0.57126533	-0.006501365	0.88856467
GLS2	grey	-0.012896437	0.781043812	-0.042149293	0.363446839

GLTP	grey	0.312393724	4.97E-12	0.317686966	2.07E-12
GLTPD2	grey	0.064205001	0.165993481	0.06576833	0.15590095
GLYATL	grey	0.267327078	4.39E-09	0.236736726	2.27E-07
GML	grey	-0.089487265	0.053293848	-0.063937885	0.167765859
GNAS	grey	0.086365385	0.062201639	0.085045262	0.066321254
GNAT2	grey	0.052534928	0.257201908	0.040041172	0.38795916
GNB3	grey	-0.152229605	0.000966342	-0.167254323	0.000283077
GNG3	grey	-0.060301174	0.193323138	-0.075484764	0.103272181
GNG4	grey	-0.079686771	0.085402093	-0.083958504	0.069878442
GNG8	grey	-0.168125276	0.000262761	-0.139484826	0.002519452
GNGT1	grey	-0.162853847	0.000410118	-0.159417763	0.000544295
GNRH2	grey	0.12044198	0.009179703	0.122157422	0.008225435
GOLGA6	grey	-0.023249027	0.616274695	-0.018708528	0.686766886
GOLGA6	grey	-0.041111978	0.375385218	-0.038083787	0.41159506
GOLGA6	grey	-0.029875639	0.519554969	-0.03757058	0.417930273
GOLGA6	grey	-0.026358787	0.569905705	-0.01133496	0.806996978
GOLGA6	grey	-0.088524838	0.055919101	-0.082917478	0.073430857
GOLGA8	grey	0.056132126	0.225999134	0.022676907	0.624982132
GOLGA8	grey	-0.118187131	0.010583284	-0.116605124	0.011678512
GOT2	grey	0.354400203	2.88E-15	0.393533508	9.50E-19
GP5	grey	-0.14349029	0.001879489	-0.160324162	0.000505411
GP9	grey	0.018796228	0.685376703	0.038518191	0.406277285
GPA33	grey	0.081599075	0.078139654	0.099431732	0.031689485
GPAT2	grey	-0.028289071	0.541983899	-0.044026614	0.342450887
GPBAR1	grey	-0.224099386	9.97E-07	-0.211213175	4.14E-06
GPC3	grey	-0.131699139	0.004360359	-0.149796983	0.001167093
GPC4	grey	0.267098956	4.53E-09	0.267659226	4.20E-09
GPD1	grey	-0.045414201	0.327439493	-0.040249972	0.385487453
GPHA2	grey	-0.146049782	0.001552485	-0.155780025	0.000729997
GPHB5	grey	-0.026221573	0.571916265	-0.031337985	0.499313307
GPN2	grey	0.081703752	0.07775705	0.107867845	0.019721563
GPR110	grey	-0.070615602	0.12755139	-0.050460808	0.27648994
GPR111	grey	-0.05249943	0.257523983	-0.049289895	0.287802258
GPR115	grey	-0.067388082	0.14594097	-0.064845505	0.161800836
GPR132	grey	0.071966698	0.120408824	0.105791793	0.022226616
GPR139	grey	-0.085007056	0.06644374	-0.081771172	0.077511427
GPR142	grey	-0.232262457	3.87E-07	-0.233461008	3.36E-07
GPR143	grey	-0.180570457	8.71E-05	-0.19815371	1.61E-05
GPR15	grey	0.04610941	0.320081074	0.092582668	0.045536658
GPR151	grey	-0.087232292	0.059612906	-0.032105049	0.488865073
GPR156	grey	-0.326194383	4.87E-13	-0.327109763	4.16E-13
GPR157	grey	0.244447004	8.81E-08	0.239917632	1.54E-07
GPR158	grey	-0.324216192	6.84E-13	-0.325042658	5.94E-13
GPR160	grey	-0.033657099	0.468088673	-0.025685527	0.57980284
GPR27	grey	-0.283765967	4.25E-10	-0.307671317	1.07E-11

GPR31	grey	-0.173877214	0.000159206	-0.151740651	0.001003933
GPR35	grey	0.184642494	5.97E-05	0.192608201	2.78E-05
GPR37	grey	0.15399395	0.000841243	0.139247229	0.002563033
GPR37L1	grey	-0.0303371	0.513122209	-0.042587808	0.358472015
GPR45	grey	-0.043749112	0.34550481	-0.042304763	0.361678168
GPR50	grey	-0.028861751	0.533832831	-0.024492106	0.597541224
GPR55	grey	0.038676174	0.404353504	0.058725954	0.205237184
GPR6	grey	-0.000672822	0.988430406	-0.007425972	0.872842675
GPR62	grey	-0.227657125	6.63E-07	-0.209594033	4.92E-06
GPR63	grey	-0.058299735	0.208550436	-0.049277689	0.287921792
GPR64	grey	-0.142756105	0.001984304	-0.181018751	8.36E-05
GPR89A	grey	0.044940075	0.332520142	0.04080952	0.378911146
GPR89B	grey	-0.016660836	0.719517489	-0.020419231	0.659845398
GPR98	grey	0.153897536	0.000847672	0.149574865	0.001187218
GPRC5A	grey	0.123996143	0.007301769	0.115641547	0.012393673
GPRC5B	grey	-0.340901182	3.58E-14	-0.358298854	1.36E-15
GPRC5C	grey	-0.140146931	0.002401545	-0.121203153	0.008744746
GPRIN2	grey	-0.396078313	5.43E-19	-0.411008424	1.84E-20
GPS2	grey	0.000905596	0.98442815	-0.00622557	0.893263036
GPSM1	grey	-0.171606601	0.000194397	-0.185991793	5.26E-05
GPX3	grey	-0.191018111	3.25E-05	-0.177198886	0.000118338
GPX7	grey	-0.075651352	0.102511333	-0.07535405	0.103872316
GRAMD1	grey	-0.017755487	0.701941336	-0.027504942	0.553244021
GRAMD1	grey	-0.199380362	1.42E-05	-0.181579222	7.94E-05
GRAMD4	grey	0.2102399	4.60E-06	0.211497745	4.02E-06
GRAPL	grey	-0.06564106	0.156704814	-0.079201115	0.087330583
GRB14	grey	0.125565214	0.006588135	0.109059129	0.018398092
GRB7	grey	-0.199384057	1.42E-05	-0.208499916	5.53E-06
GRHL1	grey	0.113807726	0.013862196	0.130526636	0.004724504
GRIA1	grey	-0.087423207	0.059054935	-0.096300445	0.037495263
GRID2	grey	-0.207277018	6.29E-06	-0.201562122	1.14E-05
GRID2IP	grey	-0.210832446	4.31E-06	-0.214492604	2.91E-06
GRIK2	grey	0.002142641	0.963167718	0.020860092	0.652976365
GRIK3	grey	-0.045342794	0.328201448	-0.047675019	0.303907734
GRIK5	grey	-0.451730525	7.31E-25	-0.445337587	3.94E-24
GRIN2A	grey	-0.177046954	0.000119969	-0.182947331	6.99E-05
GRIN2C	grey	-0.068688679	0.138300968	-0.063215415	0.172630543
GRIN2D	grey	0.214217667	2.99E-06	0.225908751	8.11E-07
GRIN3A	grey	-0.071515357	0.122759277	-0.054885545	0.236492058
GRIPAP1	grey	-0.133343549	0.003892342	-0.125172566	0.006760594
GRK1	grey	-0.226985516	7.16E-07	-0.233468055	3.35E-07
GRK4	grey	-0.026869505	0.562451968	-0.037376956	0.420335226
GRM1	grey	-0.036355449	0.433156582	-0.043111174	0.352590756
GRM2	grey	0.1168401	0.011509748	0.136458336	0.003128516
GRM4	grey	-0.12051151	0.009139188	-0.121262505	0.008711614

GRM6	grey	-0.063097184	0.173436551	-0.06702705	0.148117831
GRP	grey	0.032187334	0.487751275	0.06616345	0.153425165
GRPR	grey	0.152968169	0.00091202	0.138223639	0.002758753
GRTP1	grey	0.24732907	6.13E-08	0.202983254	9.83E-06
GSC	grey	0.054919893	0.236198415	0.04249537	0.35951713
GSDMB	grey	-0.16468626	0.000351847	-0.15393777	0.000844983
GSDMC	grey	-0.048976684	0.290880246	-0.042884254	0.355133222
GSG1L	grey	-0.11894459	0.010091896	-0.117924428	0.010758597
GSR	grey	0.431647113	1.29E-22	0.442815367	7.57E-24
GSTA2	grey	6.22E-05	0.998931041	-0.00556576	0.904518259
GSTM1	grey	-0.025617418	0.580808528	-0.025868639	0.577103103
GSTM3	grey	-0.149454204	0.001198284	-0.126678197	0.00612052
GSTM4	grey	-0.316014918	2.73E-12	-0.289353783	1.85E-10
GSTO2	grey	0.110250249	0.017152949	0.092270769	0.046272667
GSTT2B	grey	-0.017194395	0.710931298	-0.035618726	0.442541819
GSX1	grey	-0.026324053	0.570414329	-0.024150714	0.602660365
GSX2	grey	0.069356609	0.134498703	0.050855448	0.272746296
GTF2A1L	grey	-0.13377662	0.003776899	-0.123847217	0.007372971
GTF2H2	grey	0.026272415	0.571170891	0.030220069	0.514749688
GTSF1	grey	-0.092278722	0.046253777	-0.088144269	0.0569864
GTSF1L	grey	-0.148883076	0.001251963	-0.126948484	0.006011555
GUCA1B	grey	-0.15243866	0.000950671	-0.172209724	0.000184399
GUCA1C	grey	-0.097991008	0.034257662	-0.103111626	0.025865074
GUCA2A	grey	-0.04262135	0.358093256	-0.036972968	0.425379079
GUCA2B	grey	0.003607269	0.938030825	-0.012638427	0.785316279
GUCD1	grey	0.041921346	0.366049757	0.066524194	0.151190911
GUCY2D	grey	-0.265394545	5.72E-09	-0.246991559	6.40E-08
GUSB	grey	0.023185676	0.61723627	0.017221729	0.710492404
GYG2	grey	0.047790128	0.302740357	0.04642338	0.316793484
GYS2	grey	-0.024683886	0.594674177	-0.037621227	0.417302535
H1F0	grey	0.139172428	0.002576895	0.0969393	0.03624251
H2AFB1	grey	0.021433798	0.644081287	0.00132077	0.977290805
H2AFB2	grey	-0.058002247	0.210885775	-0.060034795	0.195301483
H2AFB3	grey	0.03252023	0.483259227	0.021642744	0.640854155
H2AFJ	grey	-0.122217681	0.008193585	-0.087857587	0.057801505
H2AFY2	grey	0.033053189	0.47611441	0.012867704	0.781519277
H2BFM	grey	-0.21618388	2.42E-06	-0.217166314	2.17E-06
H2BFS	grey	-0.009720737	0.834051002	-0.003990931	0.931455329
H2BFWT	grey	-0.2231022	1.12E-06	-0.233314497	3.41E-07
H3F3C	grey	-0.002444473	0.957983675	0.012097969	0.794286681
HADHA	grey	0.121612721	0.008518385	0.129093665	0.005206676
HAL	grey	-0.068790957	0.137713445	-0.094990109	0.040179963
HAND1	grey	0.002086562	0.964131061	0.005023954	0.913774947
HAO1	grey	0.064499321	0.164056902	0.060441357	0.192287933
HAP1	grey	0.00543264	0.906791446	-0.043500701	0.348253228

HAPLN3	grey	0.049452487	0.286213095	0.060431704	0.192359083
HAPLN4	grey	-0.121606135	0.008521983	-0.13870637	0.002664815
HARS	grey	0.189401834	3.80E-05	0.185590122	5.46E-05
HAS2	grey	-0.026621687	0.566062905	-0.042187185	0.363015274
HAS3	grey	0.329291235	2.84E-13	0.306306119	1.33E-11
HAVCR1	grey	0.018183402	0.695112914	0.012976362	0.779721638
HBA1	grey	0.056767607	0.220779396	0.060260825	0.193621855
HBA2	grey	0.051127571	0.270185102	0.02968457	0.522230563
HBB	grey	0.045015353	0.331710098	0.015937184	0.731219123
HBD	grey	-0.112973119	0.014579812	-0.109527896	0.017898954
HBE1	grey	-0.168083712	0.000263698	-0.181346207	8.11E-05
HBM	grey	-0.079916481	0.084501968	-0.088601917	0.055704966
HBQ1	grey	0.035504355	0.444009149	0.038380457	0.407958913
HBZ	grey	-0.093659058	0.043071722	-0.10058417	0.029755391
HCAR1	grey	-0.26975383	3.14E-09	-0.273402079	1.89E-09
HCAR2	grey	-0.004925254	0.915462523	-0.000868089	0.985073018
HCAR3	grey	0.065228983	0.159329064	0.07541137	0.103608806
HCG27	grey	-0.023904076	0.606370867	0.006477156	0.888976936
HCN1	grey	0.022586925	0.626356421	0.008022241	0.862729825
HCN2	grey	0.028112452	0.544510182	0.03436687	0.458752322
HCN3	grey	0.165179303	0.000337541	0.138767712	0.002653089
HCRTR2	grey	-0.00029438	0.994937811	-0.001702792	0.970724965
HDAC11	grey	-0.159648042	0.000534161	-0.161871587	0.000444937
HDAC6	grey	-0.124599677	0.007019475	-0.14043383	0.002352036
HDAC7	grey	-0.32266643	8.92E-13	-0.328794581	3.10E-13
HDC	grey	0.013090386	0.777836469	-0.010190747	0.826151984
HDDC3	grey	0.116031721	0.012099558	0.093527381	0.043367094
HDGFL1	grey	0.085160865	0.065951771	0.088555307	0.055834374
HDHD1	grey	0.044236957	0.340147544	0.073061879	0.114851432
HDLBP	grey	0.275558058	1.39E-09	0.281554207	5.87E-10
HEBP1	grey	-0.232605848	3.71E-07	-0.23987343	1.55E-07
HECTD3	grey	0.118749489	0.010216488	0.139912784	0.002442654
HECW1	grey	-0.089664107	0.052822807	-0.070592527	0.127676169
HELT	grey	-0.111032985	0.016375413	-0.11377066	0.013893395
HEMK1	grey	0.120324262	0.009248662	0.111020773	0.016387303
HES1	grey	0.073040993	0.114955499	0.097571448	0.035038094
HES2	grey	0.210964216	4.25E-06	0.233605038	3.30E-07
HES7	grey	-0.077774468	0.093198865	-0.053789297	0.245999396
HEXA	grey	0.148087309	0.001330449	0.145411526	0.00162874
HEXIM1	grey	0.199083822	1.46E-05	0.20584337	7.31E-06
HEXIM2	grey	0.195644439	2.06E-05	0.185172257	5.68E-05
HEY1	grey	0.181723313	7.83E-05	0.182102028	7.56E-05
HGFAC	grey	0.055672711	0.22982698	0.058876295	0.20407764
HHIP	grey	0.113858849	0.013819268	0.128334653	0.005479635
HIRIP3	grey	-0.031256696	0.500427446	-0.03386244	0.465376877

HIST1H3]grey	0.016050744	0.729378616	0.014772745	0.750178854
HIST2H2.grey	0.09002498	0.051872332	0.08199516	0.076699928
HIST2H3.grey	0.013989066	0.763024969	0.00416776	0.928426226
HIST2H3(grey	-0.058289793	0.208628178	-0.063204609	0.172704095
HIST2H3]grey	-0.014925371	0.747684891	-0.015808134	0.733312545
HIST2H4.grey	-0.068722518	0.138106371	-0.067896648	0.142916071
HIST2H4]grey	-0.061088253	0.187563429	-0.088819834	0.055103254
HIST3H2.grey	0.04299474	0.353893871	0.057289612	0.216556638
HK1 grey	0.170444271	0.000215113	0.169809781	0.000227276
HKDC1 grey	0.079067393	0.087867686	0.093328152	0.043817241
HLCS grey	0.258425112	1.46E-08	0.260898064	1.05E-08
HMGCLI grey	-0.204309483	8.57E-06	-0.199877834	1.35E-05
HMGCS2 grey	0.033744081	0.466938902	0.032475645	0.483859552
HMGNS grey	0.225857213	8.16E-07	0.20628344	6.98E-06
HMHB1 grey	-0.043991604	0.342835214	-0.036547453	0.430729589
HMP19 grey	0.001276498	0.978051808	-0.028531619	0.538524129
HMSD grey	-0.030346288	0.512994548	-0.026775457	0.563821031
HMX1 grey	-0.055648226	0.230032273	-0.062529818	0.17734346
HMX2 grey	0.100567407	0.029782782	0.130281726	0.004803946
HMX3 grey	0.085671485	0.064339936	0.097856069	0.034507033
HNF1B grey	0.060369452	0.192818416	0.054583122	0.239088606
HNF4A grey	0.012655429	0.785034541	0.017279253	0.709569074
HNRNPC grey	-0.016307669	0.725220301	-0.029851485	0.519892811
HNRNPC grey	-0.013587751	0.76962887	-0.010247057	0.825206792
HOGA1 grey	-0.117631213	0.010957307	-0.114936004	0.012941574
HOMER3 grey	-0.018421232	0.691328359	-0.018757047	0.685997661
HOMEZ grey	0.085247949	0.065674558	0.089095647	0.05434943
HORMAI grey	-0.130139578	0.004850605	-0.129173378	0.005178732
HOXA1 grey	-0.041546894	0.370350697	-0.052526143	0.25728159
HOXA10.grey	0.164658735	0.000352662	0.141910476	0.00211164
HOXA2 grey	-0.156260528	0.000702486	-0.174840432	0.000146164
HOXA3 grey	-0.140030826	0.00242185	-0.150849889	0.001075902
HOXA5 grey	-0.102040618	0.02745655	-0.112229523	0.015246467
HOXA6 grey	-0.021666291	0.6404909	-0.043960517	0.343176723
HOXA7 grey	0.006668458	0.885720002	-0.003495552	0.939946337
HOXA9 grey	0.123926726	0.007334881	0.10521536	0.022969322
HOXB13 grey	0.334758622	1.08E-13	0.323280741	8.03E-13
HOXB7 grey	-0.088262005	0.056654421	-0.059303767	0.200806632
HOXB8 grey	-0.058098249	0.210130087	-0.036476212	0.43162918
HOXB9 grey	-0.088330121	0.056463088	-0.06664001	0.150478874
HOXC10 grey	0.189236158	3.86E-05	0.171003923	0.000204893
HOXC11 grey	0.236956938	2.21E-07	0.224138518	9.93E-07
HOXC12 grey	0.049196991	0.288712951	0.025401549	0.584001365
HOXC13 grey	0.077469217	0.094494539	0.058871029	0.204118173
HOXC4 grey	-0.106929495	0.020821642	-0.112769336	0.014759911

HOXC6	grey	0.122611892	0.007987925	0.098035294	0.034176155
HOXC8	grey	0.079420808	0.08645391	0.059386537	0.200177707
HOXC9	grey	0.163497695	0.00038869	0.147708919	0.001369336
HOXD12	grey	0.066752033	0.149792579	0.043190254	0.351707416
HOXD13	grey	0.039441995	0.395105289	0.011334669	0.807001833
HP	grey	0.198769292	1.51E-05	0.188762188	4.04E-05
HPD	grey	-0.208580372	5.48E-06	-0.206002374	7.19E-06
HPGD	grey	-0.026324878	0.570402249	-0.035491651	0.444172296
HPN	grey	-0.101124303	0.028884298	-0.111250786	0.016164624
HPR	grey	0.031708164	0.494256362	0.046417521	0.316854633
HPS1	grey	0.228359721	6.11E-07	0.256596805	1.86E-08
HPS6	grey	0.191819684	3.01E-05	0.197940423	1.64E-05
HPSE	grey	-0.27889518	8.63E-10	-0.262908694	8.02E-09
HR	grey	-0.113284413	0.014308424	-0.121242735	0.008722638
HRASLS	grey	-0.269459481	3.27E-09	-0.290463567	1.57E-10
HRASLS'	grey	-0.040352706	0.384274847	-0.022840263	0.622490527
HRH1	grey	-0.191496543	3.10E-05	-0.166468769	0.000302651
HRH3	grey	0.024317141	0.600162351	0.004941396	0.915186497
HRK	grey	-0.151410532	0.00103007	-0.157860409	0.000617655
HS1BP3	grey	0.133977057	0.003724526	0.130195914	0.004832064
HS3ST1	grey	0.228955467	5.70E-07	0.224215582	9.84E-07
HS3ST3A	grey	0.121421167	0.008623595	0.102179395	0.027245695
HS3ST3B	grey	0.133550428	0.003836802	0.120889639	0.008921623
HS3ST4	grey	-0.100318854	0.030191459	-0.102385005	0.026935859
HS3ST5	grey	-0.038120851	0.411139738	-0.06159244	0.183940833
HSBP1L1	grey	0.093772064	0.042819584	0.116496517	0.011757252
HSD11B2	grey	0.220521088	1.49E-06	0.231683653	4.14E-07
HSD17B1	grey	0.069401433	0.134246451	0.087541124	0.058712476
HSD17B1	grey	-0.326636572	4.51E-13	-0.324284645	6.76E-13
HSD17B2	grey	0.216713109	2.28E-06	0.22613149	7.90E-07
HSD3B2	grey	-0.054420685	0.240491506	-0.049367891	0.287039194
HSDL1	grey	0.233348646	3.40E-07	0.222334662	1.22E-06
HSF4	grey	0.225310575	8.68E-07	0.212348976	3.67E-06
HSFX1	grey	0.011195942	0.809318339	-0.014819444	0.74941549
HSFX2	grey	-0.102153144	0.027285474	-0.08493793	0.066665824
HSFY1	grey	-0.014779678	0.750065514	-0.012535824	0.78701712
HSFY2	grey	-0.087353646	0.059257734	-0.091220325	0.048825301
HSPA1A	grey	-0.274752399	1.56E-09	-0.281532121	5.89E-10
HSPA1B	grey	-0.017484651	0.706275641	-0.006457784	0.889306846
HSPA2	grey	-0.093872654	0.042596195	-0.108591926	0.018907606
HSPA6	grey	0.054159257	0.242761466	0.046154137	0.319611389
HSPB9	grey	-0.131850919	0.004315123	-0.102614629	0.026593423
HTATIP2	grey	0.032684297	0.48105359	0.05921039	0.201517879
HTN1	grey	-0.037070262	0.424161139	-0.023217202	0.616757667
HTN3	grey	0.009538904	0.837111433	0.027840475	0.548411785



HTR1D	grey	0.129914151	0.004925438	0.108149199	0.019401732
HTR2C	grey	-0.18143217	8.05E-05	-0.171882585	0.00018976
HTR3A	grey	-0.170945588	0.000205937	-0.171837531	0.00019051
HTR3B	grey	-0.11879219	0.010189103	-0.114548978	0.013251106
HTR5A	grey	-0.00668243	0.885482208	-0.033413245	0.47132038
HTR6	grey	-0.14678481	0.001468737	-0.128722664	0.005338529
HTR7	grey	0.088089052	0.057142651	0.074251361	0.109045536
HUS1B	grey	-0.037500697	0.418797342	-0.043425863	0.349083939
HYAL3	grey	0.094010839	0.04229092	0.095865637	0.038368741
HYAL4	grey	0.109186976	0.018260771	0.10671764	0.021077263
HYI	grey	-0.023023543	0.619700147	-0.035867936	0.439354186
HYKK	grey	0.10691203	0.020842612	0.106060503	0.021887569
HYPK	grey	0.111755531	0.015685243	0.08474762	0.067280385
HYPM	grey	-0.040369281	0.384079429	-0.005171301	0.911256328
IAH1	grey	0.111818291	0.015626517	0.13071993	0.004662645
IBA57	grey	0.004136789	0.928956686	0.008577614	0.853330664
IBSP	grey	0.039485616	0.39458238	0.039820129	0.390586261
ICAM5	grey	-0.052261921	0.259686111	-0.061028476	0.187996388
ICOSLG	grey	-0.16237004	0.000426938	-0.189574286	3.74E-05
ID1	grey	0.124589217	0.007024283	0.144108167	0.001795234
ID2	grey	0.169992189	0.000223715	0.157215647	0.00065063
ID3	grey	0.134367616	0.003624362	0.141259202	0.002214754
ID4	grey	-0.11098452	0.016422644	-0.103644993	0.025102615
IDO2	grey	-0.090230544	0.051337317	-0.088711379	0.055402041
IER2	grey	-0.057520363	0.214708566	-0.071865039	0.120935148
IER3	grey	0.220852523	1.44E-06	0.212111584	3.76E-06
IER5	grey	0.242205737	1.16E-07	0.2322113	3.89E-07
IER5L	grey	0.118532996	0.010356338	0.114226953	0.013513606
IFFO2	grey	0.010564962	0.819875385	0.009254292	0.841906638
IFITM10	grey	0.027815817	0.548766195	0.0514892	0.266806994
IFITM5	grey	0.02572638	0.579200015	0.024583898	0.596168192
IFNA1	grey	-0.045837037	0.322951053	-0.044718781	0.334908763
IFNE	grey	-0.145368621	0.001633988	-0.148053229	0.00133391
IFNGR2	grey	0.11316879	0.014408701	0.11547148	0.012523834
IFNLR1	grey	-0.007731592	0.867656591	-0.032781282	0.479752354
IGDCC3	grey	-0.257589621	1.63E-08	-0.284610779	3.75E-10
IGF1	grey	-0.081583511	0.078196671	-0.080286934	0.083066471
IGF2BP1	grey	-0.204521753	8.39E-06	-0.204221691	8.65E-06
IGFALS	grey	-0.181273583	8.16E-05	-0.174996439	0.000144148
IGFBP1	grey	-0.162119869	0.000435885	-0.180420863	8.83E-05
IGFBP2	grey	-0.192446596	2.83E-05	-0.179930475	9.23E-05
IGFBP3	grey	0.024927625	0.591039435	0.032566399	0.482638004
IGFL1	grey	0.032669981	0.481245833	0.029065234	0.530951564
IGFL2	grey	0.010737463	0.816985928	0.031979288	0.490569988
IGFL3	grey	-0.003440596	0.940888742	0.036040791	0.437150943

IGHMBP1	grey	0.028856036	0.533913879	0.002837663	0.951233225
IGLON5	grey	-0.226694509	7.41E-07	-0.232329627	3.84E-07
IGSF1	grey	-0.145322444	0.001639652	-0.150779996	0.001081745
IGSF10	grey	-0.180018311	9.16E-05	-0.200115785	1.32E-05
IGSF11	grey	-0.068990155	0.136574685	-0.048370958	0.29689524
IGSF22	grey	-0.157707594	0.000625327	-0.159786313	0.000528161
IGSF23	grey	-0.173105396	0.000170436	-0.157812344	0.000620059
IKBKB	grey	-0.207986484	5.84E-06	-0.238112645	1.92E-07
IL10RB	grey	-0.108544893	0.018959572	-0.065754674	0.155987054
IL11	grey	-0.057378073	0.21584681	-0.059848231	0.196695838
IL12RB2	grey	-0.203097778	9.72E-06	-0.188864751	4.00E-05
IL13RA2	grey	-0.140294824	0.002375906	-0.136942326	0.003022898
IL17A	grey	0.067726427	0.14392314	0.109221322	0.018224033
IL17B	grey	-0.024495689	0.597487605	0.013221665	0.775667645
IL17C	grey	0.148221195	0.001316935	0.134242761	0.003656114
IL17RA	grey	0.11407861	0.013636062	0.095228786	0.039679181
IL17RB	grey	0.236496225	2.33E-07	0.20134373	1.16E-05
IL17RC	grey	0.149989021	0.001149948	0.145037084	0.00167506
IL17RE	grey	0.149141313	0.001227423	0.162123033	0.000435771
IL17REL	grey	-0.083205323	0.072434192	-0.07983163	0.084833561
IL19	grey	0.28547636	3.30E-10	0.285840174	3.13E-10
IL1A	grey	0.130580147	0.004707306	0.158285064	0.000596791
IL1RL2	grey	-0.257087211	1.74E-08	-0.225413108	8.58E-07
IL20	grey	0.042610241	0.358218667	0.032326136	0.485875578
IL20RB	grey	-0.093866852	0.042609054	-0.071502499	0.122826761
IL22RA1	grey	-0.174507735	0.000150551	-0.177767764	0.000112416
IL22RA2	grey	-0.051079216	0.270639013	-0.031879922	0.491919317
IL27RA	grey	-0.124081497	0.00726124	-0.120643277	0.009062843
IL36A	grey	0.063879953	0.168152115	0.043094018	0.35278257
IL36B	grey	-0.054141277	0.242918131	-0.04507137	0.331108151
IL6	grey	-0.115682195	0.012362741	-0.128599834	0.00538284
IL6R	grey	-0.086200205	0.062705261	-0.087272576	0.05949481
ILD2	grey	0.044358615	0.338819864	0.012496594	0.787667694
IMPG2	grey	-0.202149073	1.07E-05	-0.190281707	3.49E-05
INCA1	grey	-0.216514672	2.33E-06	-0.231630051	4.17E-07
INF2	grey	-0.06364771	0.169707251	-0.043289556	0.350600191
ING1	grey	0.017159474	0.711492157	0.016007294	0.730082643
ING4	grey	-0.218889196	1.79E-06	-0.227680422	6.61E-07
ING5	grey	-0.140696334	0.002307554	-0.169627526	0.000230887
INHBB	grey	-0.036696673	0.428848848	-0.066925872	0.148732301
INHBE	grey	-0.091367781	0.048460017	-0.096467149	0.037164877
INO80B-1	grey	0.116095048	0.012052408	0.092976057	0.044622395
INO80E	grey	0.16724274	0.000283357	0.166880455	0.000292241
INPP1	grey	-0.150516508	0.001104039	-0.129399436	0.005100219
INPP5J	grey	0.016108977	0.728435421	-0.004228726	0.927382102

INPP5K	grey	0.166397325	0.000304492	0.207059909	6.43E-06
INPPL1	grey	-0.070782908	0.126649501	-0.07931631	0.086870017
INS	grey	-0.08100335	0.080346268	-0.084999639	0.06646754
INS-IGF2	grey	-0.120847239	0.008945787	-0.122077898	0.008267636
INSC	grey	0.047517059	0.305514542	0.054717174	0.237935196
INSL4	grey	0.086010155	0.063288864	0.102619212	0.026586627
INSM1	grey	0.029836609	0.520100941	0.018526634	0.689653553
INSM2	grey	0.01906057	0.681192906	0.02878899	0.53486503
INSRR	grey	-0.162765646	0.000413137	-0.161882091	0.00044455
INTS5	grey	0.170290602	0.000218001	0.164379198	0.00036104
IP6K2	grey	0.097989103	0.03426117	0.107257229	0.020431509
IP6K3	grey	-0.18460383	5.99E-05	-0.183586586	6.59E-05
IQCA1	grey	-0.46987294	5.05E-27	-0.483569184	9.66E-29
IQCF5	grey	0.000391279	0.993271563	0.018842472	0.684644094
IQSEC2	grey	0.076438624	0.098975618	0.08338373	0.071822014
IRAK2	grey	-0.19705675	1.79E-05	-0.222935539	1.14E-06
IRGQ	grey	0.045797991	0.323363852	0.054246348	0.242003599
IRX2	grey	-0.120019471	0.009429355	-0.125703884	0.006528178
IRX4	grey	-0.096807638	0.03649774	-0.101870798	0.027716477
IRX5	grey	0.17832936	0.000106843	0.188524598	4.13E-05
IRX6	grey	-0.101322014	0.028570959	-0.080065678	0.083921445
ISL1	grey	0.018331596	0.692753824	0.017878772	0.699971539
ISL2	grey	0.094768056	0.040650655	0.107157721	0.020549286
ISLR2	grey	0.030702593	0.508056739	0.020407883	0.660022584
ISM1	grey	-0.12774983	0.00569866	-0.100687213	0.029587492
ISM2	grey	-0.283047006	4.72E-10	-0.304879709	1.68E-11
ISY1-RAI	grey	-0.055598239	0.230451785	-0.082986277	0.07319163
ITFG2	grey	-0.205219429	7.80E-06	-0.217108144	2.18E-06
ITGA10	grey	0.079968315	0.084299915	0.039645418	0.392670305
ITGA2B	grey	-0.014506909	0.754528921	-0.039813095	0.390670035
ITGAD	grey	-0.116972522	0.011415594	-0.109938611	0.01747139
ITGB3	grey	-0.099216503	0.03206236	-0.097103716	0.035925917
ITGB4	grey	0.064189406	0.166096573	0.079317322	0.086865977
ITGB5	grey	-0.060009679	0.195488773	-0.067156735	0.147333059
ITGB6	grey	0.081431914	0.078753809	0.080592302	0.081898042
ITIH5	grey	-0.10337595	0.025484758	-0.085859874	0.063753505
ITLN1	grey	-0.083261976	0.072239336	-0.065906238	0.155033424
ITLN2	grey	0.097785295	0.034638443	0.080869417	0.08084925
ITPKA	grey	0.000372281	0.993598243	-0.014421134	0.755934181
ITPKC	grey	-0.097142289	0.035851984	-0.107471293	0.020180133
ITPRIPL1	grey	-0.169741134	0.000228629	-0.156097832	0.000711692
IVD	grey	0.229390895	5.42E-07	0.22296893	1.13E-06
IYD	grey	0.112762041	0.014766395	0.144970394	0.001683436
IZUMO2	grey	-0.09772611	0.03474866	-0.091882834	0.047202012
JADE1	grey	-0.110432804	0.016968776	-0.106923649	0.020828659

JAG2	grey	-0.08569426	0.064268806	-0.070633083	0.127456924
JAKMIP2	grey	-0.219784998	1.62E-06	-0.217286228	2.14E-06
JAKMIP3	grey	-0.050487384	0.276236746	-0.065256089	0.159155433
JDP2	grey	-0.133283147	0.003908694	-0.155144877	0.000767895
JMJD6	grey	0.100270869	0.030270908	0.107869157	0.01972006
JPH1	grey	-0.132743707	0.004057519	-0.166119552	0.000311752
JPH3	grey	-0.248798631	5.09E-08	-0.253885079	2.65E-08
JUN	grey	-0.091764541	0.047488492	-0.125378506	0.006669643
JUNB	grey	-0.056680182	0.221492339	-0.063323137	0.17189861
KAAG1	grey	-0.068645259	0.13855097	-0.053274534	0.25055469
KAL1	grey	-0.008655813	0.852008852	-0.020569917	0.657494315
KANK4	grey	0.074207909	0.109253477	0.06382749	0.168502476
KARS	grey	0.212384196	3.65E-06	0.241501386	1.27E-07
KAT8	grey	-0.212879448	3.46E-06	-0.193310327	2.60E-05
KAZALD	grey	0.230641925	4.68E-07	0.231776767	4.10E-07
KAZN	grey	-0.190013492	3.58E-05	-0.188429233	4.17E-05
KBTBD1	grey	-0.100790972	0.029419248	-0.117203528	0.011252975
KBTBD1	grey	-0.114585993	0.013221223	-0.108415212	0.019103504
KCNC1	grey	0.036521518	0.431056962	0.008342366	0.857309556
KCNC2	grey	-0.121996836	0.008310852	-0.107083929	0.020637005
KCND1	grey	-0.32097503	1.19E-12	-0.312991704	4.51E-12
KCNE2	grey	-0.286290126	2.93E-10	-0.282332534	5.24E-10
KCNE3	grey	-0.127361284	0.005848496	-0.081473402	0.078601017
KCNE5	grey	-0.108413163	0.019105786	-0.089731304	0.052644731
KCNF1	grey	-0.189116051	3.90E-05	-0.195690539	2.06E-05
KCNG1	grey	-0.295853502	6.90E-11	-0.275606728	1.38E-09
KCNG2	grey	-0.105435408	0.022683302	-0.124909205	0.006878522
KCNIP1	grey	-0.276284121	1.25E-09	-0.284702579	3.70E-10
KCNIP2	grey	-0.165607709	0.000325554	-0.183315938	6.76E-05
KCNIP3	grey	-0.34357148	2.20E-14	-0.365357749	3.41E-16
KCNJ1	grey	-0.042209566	0.362760521	-0.045888048	0.322412294
KCNJ11	grey	0.084986796	0.066508766	0.085711529	0.064214913
KCNJ12	grey	-0.324872538	6.11E-13	-0.332947875	1.50E-13
KCNJ14	grey	-0.09116228	0.048969723	-0.092859899	0.044890734
KCNJ15	grey	0.120306058	0.009259367	0.127963023	0.005617921
KCNJ16	grey	-0.206970833	6.49E-06	-0.197340641	1.74E-05
KCNJ18	grey	0.069534436	0.133500106	0.081948569	0.076868154
KCNJ2	grey	-0.030328795	0.51323761	-0.03489038	0.451933272
KCNJ3	grey	-0.045946896	0.321791469	-0.058031652	0.210654107
KCNJ4	grey	-0.272553487	2.13E-09	-0.280254932	7.09E-10
KCNJ5	grey	-0.074296848	0.108828194	-0.089728619	0.052651837
KCNK1	grey	0.282571882	5.06E-10	0.285049544	3.52E-10
KCNK12	grey	-0.08758929	0.058573062	-0.033055468	0.476083984
KCNK15	grey	-0.140758229	0.002297179	-0.165966528	0.00031582
KCNK16	grey	0.045068412	0.331139917	0.045525969	0.326249159

KCNK17 grey	-0.069372711	0.134408047	-0.086653413	0.061331443
KCNK18 grey	-0.066518348	0.151226921	-0.054890047	0.236453554
KCNK2 grey	-0.238732475	1.78E-07	-0.268305378	3.84E-09
KCNK5 grey	0.008334186	0.857447976	-0.004419864	0.924109453
KCNK7 grey	-0.136071985	0.003215221	-0.133548666	0.003837271
KCNK9 grey	-0.322768004	8.77E-13	-0.321806302	1.03E-12
KCNMB4grey	-0.161977429	0.000441057	-0.166978262	0.000289817
KCNN1 grey	0.004085499	0.929835241	-0.028363602	0.540919598
KCNN4 grey	0.225950693	8.07E-07	0.230041784	5.02E-07
KCNQ1 grey	-0.010257693	0.825028297	-0.036014817	0.437481611
KCNQ2 grey	-0.10373172	0.024980489	-0.114150183	0.013576858
KCNQ3 grey	-0.200232906	1.30E-05	-0.20982448	4.80E-06
KCNQ4 grey	-0.153798505	0.000854323	-0.178137443	0.000108717
KCNS1 grey	-0.246565063	6.75E-08	-0.247440415	6.05E-08
KCNS3 grey	-0.086823112	0.060823468	-0.120605622	0.009084601
KCNT1 grey	-0.332666283	1.57E-13	-0.337507354	6.63E-14
KCNU1 grey	-0.063438263	0.171118934	-0.05350843	0.248477649
KCNV1 grey	-0.122822649	0.007879874	-0.12559163	0.006576675
KCP grey	-0.227757205	6.55E-07	-0.205166389	7.84E-06
KCTD11 grey	0.122171181	0.008218153	0.109120269	0.018332309
KCTD13 grey	0.155454696	0.000749187	0.169930108	0.000224921
KCTD14 grey	0.234191014	3.08E-07	0.243915238	9.41E-08
KCTD16 grey	-0.118617295	0.010301682	-0.116636765	0.01165566
KCTD2 grey	-0.21874304	1.82E-06	-0.229731422	5.21E-07
KCTD21 grey	-0.009099041	0.844524822	-0.036478729	0.431597375
KDELR3 grey	0.187287352	4.65E-05	0.184982083	5.78E-05
KDM5D grey	-0.059885487	0.196416813	-0.058561917	0.206507801
KDM8 grey	-0.139331088	0.002547573	-0.138364363	0.002731062
KEAP1 grey	-0.017341518	0.708570108	-0.008942616	0.847164545
KEL grey	-0.180500132	8.77E-05	-0.185333955	5.59E-05
KERA grey	-0.04543306	0.327238446	-0.073157627	0.114375289
KHDC1 grey	-0.4303232	1.79E-22	-0.413561256	1.02E-20
KHDRBS grey	-0.12822568	0.005519864	-0.133264964	0.003913629
KHDRBS grey	-0.032463136	0.484028051	-0.021786459	0.638638433
KIAA004 grey	0.054755579	0.23760548	0.053781055	0.246071875
KIAA031 grey	0.174169785	0.000155134	0.171361866	0.000198597
KIAA089 grey	0.239002382	1.72E-07	0.232256547	3.87E-07
KIAA093 grey	0.084685127	0.067483206	0.094547116	0.0411236
KIAA104 grey	-0.023627563	0.610542875	-0.033448181	0.470856632
KIAA116 grey	-0.040015634	0.388262137	-0.02517624	0.587342494
KIAA154 grey	-0.153908382	0.000846947	-0.161607361	0.000454762
KIAA202 grey	0.092678301	0.045312963	0.084481287	0.068148245
KIF12 grey	0.047392293	0.306787644	0.05109146	0.270524029
KIF1C grey	0.10632877	0.021553566	0.127067936	0.005963956
KIF25 grey	-0.17659436	0.000124953	-0.171906885	0.000189357

KIF5A	grey	-0.33835697	5.68E-14	-0.360859063	8.27E-16
KIF5C	grey	-0.115175804	0.012753003	-0.126097797	0.006360518
KIF7	grey	-0.331660156	1.88E-13	-0.365027308	3.64E-16
KIFC3	grey	-0.125297117	0.006705455	-0.126080021	0.006368
KIR2DL1	grey	-0.107499133	0.020147639	-0.097934114	0.034362616
KIR2DL3	grey	-0.104469654	0.023961935	-0.092970963	0.044634135
KIR3DL1	grey	-0.092765714	0.045109308	-0.074329446	0.108672646
KIR3DL2	grey	-0.036239107	0.434631007	-0.012328221	0.790461612
KIRREL2	grey	-0.161968599	0.000441379	-0.160811679	0.000485581
KIRREL3	grey	0.058192505	0.209390051	0.047982455	0.300796508
KISS1	grey	0.159259535	0.000551361	0.163069637	0.000402816
KISS1R	grey	0.27304895	1.98E-09	0.286015866	3.05E-10
KLC2	grey	0.145827696	0.001578639	0.13384946	0.003757789
KLC4	grey	-0.225656566	8.35E-07	-0.239829486	1.56E-07
KLF1	grey	-0.120424153	0.009190117	-0.104346087	0.024129947
KLF14	grey	-0.061206938	0.186705985	-0.066382926	0.152062887
KLF15	grey	-0.218742737	1.82E-06	-0.251679944	3.52E-08
KLHDC7	grey	0.184847032	5.86E-05	0.207199317	6.34E-06
KLHDC8	grey	0.011103484	0.810863155	-0.011637143	0.801956899
KLHDC8	grey	-0.298083661	4.88E-11	-0.284854513	3.62E-10
KLHL1	grey	-0.163007376	0.00040491	-0.164638534	0.000353261
KLHL17	grey	0.169222617	0.000239102	0.159334748	0.000547992
KLHL22	grey	0.187095127	4.74E-05	0.187978391	4.35E-05
KLHL25	grey	0.251744396	3.49E-08	0.224975252	9.02E-07
KLHL29	grey	-0.235117513	2.75E-07	-0.271615466	2.42E-09
KLHL30	grey	-0.219563591	1.66E-06	-0.210494266	4.47E-06
KLHL34	grey	-0.077180869	0.095731645	-0.055687186	0.229705673
KLHL35	grey	-0.109069236	0.018387203	-0.092888342	0.044824901
KLHL40	grey	-0.12686943	0.006043243	-0.126233025	0.006303859
KLK1	grey	-0.176648658	0.000124345	-0.19494934	2.21E-05
KLK10	grey	-0.040597408	0.381395938	-0.015722454	0.73470352
KLK12	grey	0.22534424	8.65E-07	0.206147684	7.08E-06
KLK13	grey	-0.067347135	0.146186626	-0.044174269	0.340832957
KLK14	grey	0.12692925	0.006019251	0.127920442	0.005633964
KLK15	grey	0.02285127	0.622322795	0.00782145	0.866132854
KLK2	grey	0.052050043	0.261625457	0.033778857	0.466479651
KLK3	grey	-0.015228581	0.742738139	-0.044611156	0.336074433
KLK5	grey	-0.25601724	2.01E-08	-0.250665947	4.01E-08
KLK6	grey	-0.364218656	4.27E-16	-0.36460704	3.95E-16
KLK7	grey	-0.343559747	2.20E-14	-0.347104685	1.14E-14
KLK8	grey	-0.342506021	2.67E-14	-0.357188309	1.69E-15
KLK9	grey	-0.015416709	0.739674224	-0.01620408	0.726895921
KLKB1	grey	0.126514927	0.006187197	0.116795141	0.01154187
KLRF1	grey	-0.21268131	3.54E-06	-0.207129677	6.39E-06
KMO	grey	0.114133987	0.013590235	0.087295676	0.059427177

KRBA1	grey	-0.135898564	0.003254845	-0.170512683	0.000213838
KREMEN	grey	-0.122656004	0.007965201	-0.122408764	0.008093314
KRT10	grey	0.077899173	0.092673647	0.065137616	0.159915389
KRT15	grey	0.068116233	0.141624919	0.068010442	0.142245849
KRT20	grey	0.04003742	0.388003667	0.010026686	0.828907254
KRT23	grey	0.235413055	2.66E-07	0.223504213	1.07E-06
KRT24	grey	0.079627986	0.08563368	0.068408063	0.139922822
KRT26	grey	-0.04140349	0.37200608	0.05427375	0.241765493
KRT3	grey	-0.008990533	0.84635575	-0.002654027	0.954385556
KRT4	grey	0.00511063	0.912293282	0.016665935	0.719435266
KRT40	grey	0.137408506	0.002924243	0.141056304	0.002247806
KRT72	grey	-0.086815266	0.060846876	-0.006799287	0.883493735
KRT73	grey	-0.049576852	0.28500156	0.041489122	0.371017038
KRT75	grey	0.056248504	0.225036718	0.069686628	0.132650014
KRT76	grey	-0.08346283	0.071551952	-0.089149016	0.05420456
KRT79	grey	0.098265938	0.03375433	0.107057514	0.020668485
KRT81	grey	-0.079226599	0.087228525	-0.044228151	0.340243767
KRT86	grey	-0.067178613	0.147200984	-0.007687687	0.868401271
KRTAP1	grey	-0.063430808	0.171169339	-0.060046551	0.195213864
KRTAP2	grey	-0.193769682	2.48E-05	-0.184498782	6.05E-05
KRTAP2	grey	-0.007504579	0.871508257	0.005738899	0.901562856
KRTAP2	grey	0.06181267	0.182374782	0.056185865	0.225554361
KRTAP2	grey	0.001971222	0.96611259	0.005076626	0.912874512
KRTAP4	grey	-0.055646101	0.230050092	-0.033320301	0.472555347
KRTAP5	grey	0.16727381	0.000282607	0.157567726	0.000632427
KRTAP5	grey	0.014183251	0.759835652	-0.004171497	0.928362221
KRTAP5	grey	-0.195882097	2.02E-05	-0.190376022	3.46E-05
KRTAP5	grey	0.061460469	0.184884021	0.04701932	0.310614314
KRTDAP	grey	-0.169969708	0.000224151	-0.144594697	0.00173134
KSR2	grey	-0.130497034	0.004734043	-0.158140409	0.000603824
L1TD1	grey	-0.005279273	0.90941132	-0.003591988	0.938292817
L34079.2	grey	-0.07279623	0.11618061	-0.07607751	0.100585179
L3MBTL	grey	0.289167955	1.91E-10	0.300449766	3.38E-11
LA16c-30	grey	-0.075866137	0.101536919	-0.101227105	0.028721007
LAMA1	grey	-0.031578447	0.496025298	-0.030184576	0.515243805
LAMA3	grey	-0.056413676	0.223675799	-0.037102877	0.42375331
LAMA5	grey	-0.135067584	0.003450936	-0.150031605	0.001146177
LAMB2	grey	-0.11357473	0.014059336	-0.121912474	0.008356042
LAMC3	grey	-0.280460819	6.88E-10	-0.258002948	1.54E-08
LAMP1	grey	0.002502122	0.956993735	0.006224202	0.893286351
LANCL2	grey	-0.193913461	2.45E-05	-0.212335153	3.67E-06
LARP6	grey	-0.127704695	0.005715887	-0.129990123	0.004900102
LBP	grey	-0.125405528	0.006657791	-0.12928567	0.005139597
LBX1	grey	0.01114818	0.810116276	-0.012634728	0.785377582
LBX2	grey	0.182827112	7.07E-05	0.184823439	5.87E-05

LCE1C	grey	0.072772697	0.116298933	0.088497717	0.055994608
LCE1D	grey	0.03644878	0.431975862	0.02316907	0.617488424
LCE1E	grey	0.094332196	0.041588109	0.083676162	0.070827723
LCE1F	grey	0.009303816	0.841071815	0.036750381	0.42817309
LCE2A	grey	-0.006020411	0.896760518	0.001221706	0.978993689
LCE2D	grey	0.035146032	0.448624114	0.033776582	0.466509681
LCE4A	grey	0.011450606	0.805067165	0.004177611	0.928257499
LCE5A	grey	-0.199334013	1.43E-05	-0.204582325	8.33E-06
LCMT2	grey	-0.071113518	0.124881867	-0.059966717	0.195809446
LCN1	grey	-0.170690028	0.000210568	-0.167307568	0.000281794
LCN12	grey	-0.123222983	0.007678219	-0.119682298	0.009632895
LCN15	grey	0.161207891	0.000469999	0.109522209	0.017904937
LCN8	grey	0.049347191	0.287241572	0.04402557	0.342462339
LCN9	grey	0.033352746	0.472124038	0.0300304	0.517392988
LCNL1	grey	-0.192537303	2.80E-05	-0.202100353	1.08E-05
LDHC	grey	-0.130026948	0.004887864	-0.125178814	0.006757818
LDHD	grey	0.297391612	5.44E-11	0.31739081	2.17E-12
LDLRAP	grey	0.095217509	0.039702723	0.103683243	0.025048689
LDOC1	grey	-0.296162543	6.58E-11	-0.298352681	4.68E-11
LEAP2	grey	0.158043503	0.000608578	0.140393135	0.002359001
LECT1	grey	-0.169255787	0.000238419	-0.174027522	0.000157102
LEFTY1	grey	0.227257558	6.94E-07	0.239030229	1.72E-07
LEMD1	grey	0.003890273	0.93318004	0.017909842	0.699475424
LETM2	grey	0.07516143	0.104761698	0.060808262	0.189597711
LETMD1	grey	-0.062765779	0.175710759	-0.088273329	0.056622575
LFNG	grey	0.249902175	4.42E-08	0.251682604	3.52E-08
LGALS12	grey	0.07632706	0.099470679	0.111885872	0.015563495
LGALS14	grey	-0.10767098	0.01994807	-0.122853384	0.007864226
LGALS3	grey	0.035529063	0.443691912	0.07347156	0.112824998
LGALS4	grey	-0.073624096	0.112077719	-0.05067583	0.274445882
LGALS7	grey	-0.041389925	0.372162907	-0.028610205	0.537405522
LGALS7E	grey	-0.031342636	0.499249607	-0.035385401	0.445538195
LGALS9E	grey	0.02899623	0.531927762	0.054173026	0.242641541
LGALS9C	grey	-0.058918956	0.203749475	-0.022405407	0.629132684
LGI1	grey	-0.065531996	0.157396172	-0.066654133	0.150392222
LGR5	grey	-0.00095971	0.983497786	0.010306118	0.824215699
LGR6	grey	-0.179312568	9.77E-05	-0.174419087	0.000151741
LHFPL1	grey	0.027236854	0.557119814	0.008741984	0.850552756
LHFPL3	grey	-0.15683023	0.000671113	-0.148881933	0.001252072
LHFPL4	grey	-0.043418822	0.349162164	-0.057671524	0.213504079
LHX1	grey	-0.195967346	2.00E-05	-0.195995543	1.99E-05
LHX2	grey	0.084808392	0.067083633	0.079871511	0.084677576
LHX3	grey	-0.06224059	0.179360066	-0.071254354	0.124134723
LHX5	grey	-0.020710312	0.655306828	-0.020635589	0.656470718
LHX8	grey	-0.095167502	0.039807259	-0.099646055	0.03132187



LHX9	grey	0.054062855	0.243602297	0.058344169	0.208203236
LIF	grey	0.044011673	0.342614874	0.044877003	0.333199817
LIM2	grey	-0.119021034	0.010043447	-0.119364515	0.009828295
LIME1	grey	-0.00988128	0.831350982	0.001589119	0.972678479
LIMK2	grey	-0.049762251	0.283201871	-0.041337454	0.372769897
LIMS3	grey	0.006486029	0.888825826	0.034263921	0.460100035
LIMS3L	grey	-0.020345756	0.660993001	-0.026841778	0.562855419
LIN28A	grey	0.01933901	0.676796524	0.000553163	0.990487906
LIN37	grey	-0.218094124	1.96E-06	-0.2396496	1.59E-07
LINC0011	grey	-0.00156688	0.973060693	0.002960516	0.949124719
LINGO1	grey	-0.153347883	0.000885202	-0.159241655	0.000552165
LINGO3	grey	-0.032369637	0.485288532	-0.023211705	0.61684111
LINGO4	grey	0.176062219	0.000131061	0.175213714	0.000141385
LIPC	grey	-0.204996165	7.98E-06	-0.179773766	9.37E-05
LIPE	grey	-0.104626308	0.023750389	-0.108130953	0.019422335
LIPF	grey	-0.010267793	0.824858793	-0.012094952	0.794336825
LIPH	grey	-0.084667081	0.067541865	-0.062717051	0.176047008
LIPM	grey	0.323850654	7.29E-13	0.314945462	3.26E-12
LIX1	grey	-0.29967415	3.81E-11	-0.300493073	3.35E-11
LLfos-48I	grey	0.048364997	0.296954847	0.058103336	0.210090106
LMAN1L	grey	0.131670588	0.004368917	0.132620398	0.00409225
LMAN2L	grey	-0.159295388	0.000549753	-0.195470244	2.10E-05
LMBR1L	grey	-0.001534714	0.973613514	-0.006841179	0.88278107
LMNA	grey	0.011185466	0.809493334	0.028245844	0.542601655
LMNTD2	grey	0.279284389	8.16E-10	0.276262924	1.26E-09
LMO1	grey	-0.161476925	0.000459686	-0.158694146	0.000577313
LMO2	grey	-0.017940967	0.698978575	-0.034741048	0.453872574
LMO3	grey	-0.286082999	3.02E-10	-0.272287453	2.21E-09
LMO4	grey	-0.044238557	0.340130061	-0.025953596	0.575852517
LMO7DN	grey	-0.142318337	0.002049319	-0.141209522	0.002222805
LMTK3	grey	0.128084156	0.005572506	0.116486247	0.011764722
LMX1B	grey	-0.078249045	0.091212732	-0.086929591	0.060506512
LOH12CF	grey	0.044581317	0.336398075	0.061052185	0.187824576
LOX	grey	0.039962125	0.388897405	0.055746667	0.229207695
LOXL1	grey	-0.163626842	0.000384519	-0.154707207	0.00079506
LOXL3	grey	-0.284559843	3.78E-10	-0.29266518	1.12E-10
LPCAT4	grey	-0.116639747	0.011653509	-0.124806896	0.006924828
LPHN1	grey	-0.235571855	2.61E-07	-0.242886973	1.07E-07
LPHN3	grey	-0.091072698	0.049193313	-0.106482598	0.021364047
LPIN3	grey	-0.029126729	0.530082361	-0.05688423	0.219830907
LPL	grey	-0.173508497	0.000164482	-0.168429786	0.000255985
LPO	grey	-0.008403632	0.856272965	-0.02983419	0.52013479
LPPR2	grey	0.179236222	9.84E-05	0.180290768	8.94E-05
LPPR4	grey	-0.048025511	0.300362475	-0.015645341	0.735956168
LPPR5	grey	-0.081350029	0.079056083	-0.081819538	0.077335614

LRAT	grey	0.09092002	0.049576355	0.098898846	0.032619534
LRCOL1	grey	-0.157657163	0.000627879	-0.172503028	0.000179713
LRFN1	grey	-0.308841717	8.87E-12	-0.325979821	5.05E-13
LRFN2	grey	-0.042331618	0.361373214	-0.011954111	0.796679031
LRIT2	grey	0.079934158	0.084433018	0.077824516	0.092987792
LRP2	grey	-0.14401064	0.001808299	-0.140259205	0.002382058
LRPAP1	grey	0.047227841	0.308471051	0.039788202	0.390966607
LRRC16E	grey	-0.050490346	0.276208531	-0.069867567	0.131644795
LRRC24	grey	0.014044046	0.762121562	0.001612359	0.972279084
LRRC28	grey	0.012740151	0.783631026	0.012459931	0.788275841
LRRC31	grey	0.111326002	0.016092384	0.126867239	0.006044124
LRRC37A	grey	-0.136631712	0.003090302	-0.134024913	0.003712119
LRRC38	grey	-0.1756747	0.000135685	-0.180691776	8.61E-05
LRRC4	grey	0.101403193	0.028443152	0.100642245	0.029660663
LRRC41	grey	-0.048880649	0.291828405	-0.056933729	0.219429213
LRRC4C	grey	-0.173555757	0.000163796	-0.178138591	0.000108706
LRRC52	grey	-0.059859641	0.196610358	-0.082955178	0.073299688
LRRC53	grey	0.046102623	0.320152389	0.027950098	0.546837554
LRRC55	grey	-0.04394148	0.343385957	-0.07162982	0.122159836
LRRC61	grey	0.147976122	0.001341769	0.149163056	0.001225378
LRRC66	grey	0.216029241	2.46E-06	0.193091854	2.66E-05
LRRIQ4	grey	-0.097913892	0.034399985	-0.102572121	0.026656532
LRRK1	grey	-0.196065976	1.98E-05	-0.209256007	5.10E-06
LRRN1	grey	-0.338547704	5.49E-14	-0.363259097	5.16E-16
LRRN2	grey	-0.302432704	2.47E-11	-0.323128761	8.24E-13
LRRN4	grey	-0.21847177	1.88E-06	-0.189691551	3.69E-05
LRRTM1	grey	-0.137422315	0.002921366	-0.150590712	0.001097718
LRTM1	grey	-0.006185904	0.893939091	0.018824836	0.684923449
LRTM2	grey	0.157515566	0.000635093	0.119062963	0.010016961
LTB4R	grey	0.056651533	0.221726321	0.065214209	0.159423762
LTBP3	grey	-0.245001443	8.22E-08	-0.255001712	2.29E-08
LTBR	grey	0.11343424	0.014179394	0.103398004	0.025453245
LTK	grey	0.062960335	0.174372982	0.080871179	0.080842615
LUC7L2	grey	0.026299401	0.570775451	-0.015728493	0.734605451
LURAP1I	grey	0.144153025	0.001789254	0.15719036	0.000651956
LUZP2	grey	0.062613035	0.176766375	0.025436466	0.583484369
LXN	grey	-0.034114712	0.462057248	-0.035167795	0.448343046
LY6H	grey	-0.209823703	4.80E-06	-0.223133824	1.11E-06
LY6K	grey	-0.193253923	2.61E-05	-0.180407444	8.84E-05
LY75-CD	grey	-0.042796461	0.356119973	-0.054222755	0.242208743
LYG1	grey	0.091409586	0.048356873	0.108469996	0.019042584
LYPD1	grey	-0.172272287	0.00018339	-0.180702471	8.60E-05
LYPD2	grey	-0.198068888	1.62E-05	-0.164601245	0.00035437
LYPD5	grey	0.035390655	0.44547059	0.061491334	0.184663112
LYPD6B	grey	-0.272637005	2.10E-09	-0.252443209	3.19E-08

LYPD8	grey	-0.207341008	6.25E-06	-0.208068733	5.79E-06
LYRM1	grey	0.067089308	0.147740687	0.062924423	0.174619344
LYZL2	grey	-0.07080482	0.12653175	-0.029599313	0.523426718
LZTR1	grey	0.058807289	0.204609276	0.028112161	0.544514344
LZTS1	grey	-0.011847992	0.798445004	-0.018741073	0.686250869
M1AP	grey	0.021734336	0.63944167	0.031118214	0.502328466
MACROI	grey	-0.323490883	7.75E-13	-0.323666474	7.52E-13
MADCA1	grey	-0.019406756	0.675728518	0.005063633	0.913096631
MADD	grey	0.180660902	8.64E-05	0.178653173	0.000103749
MAEL	grey	0.056509357	0.222890131	0.035235283	0.447472082
MAFA	grey	-0.125267818	0.00671839	-0.135391792	0.00337319
MAFF	grey	0.084818379	0.067051347	0.056588975	0.222237871
MAG	grey	-0.348126764	9.44E-15	-0.356618193	1.88E-15
MAGEA1	grey	-0.131660105	0.004372062	-0.130948751	0.004590361
MAGEA1	grey	-0.24263846	1.10E-07	-0.241971155	1.20E-07
MAGEA1	grey	-0.214375428	2.94E-06	-0.210133172	4.65E-06
MAGEA1	grey	-0.098884791	0.032644375	-0.103584672	0.025187862
MAGEA3	grey	-0.069916504	0.131373939	-0.073909102	0.110691893
MAGEA4	grey	-0.253543268	2.77E-08	-0.257443782	1.66E-08
MAGEA6	grey	-0.085367556	0.065295375	-0.08986323	0.052296573
MAGEA8	grey	-0.039061313	0.399686458	-0.045570404	0.325776705
MAGEA9	grey	-0.165708677	0.000322787	-0.151970435	0.000986102
MAGEA9	grey	-0.118816626	0.010173461	-0.120586327	0.009095769
MAGEB1	grey	-0.118976506	0.010071643	-0.123906228	0.007344684
MAGEB1	grey	0.034838879	0.452601559	0.038856527	0.402163982
MAGEB1	grey	0.013395759	0.772794159	-0.008521614	0.854277491
MAGEB1	grey	-0.123598072	0.007493476	-0.098842064	0.032719995
MAGEB2	grey	-0.064985779	0.160893349	-0.063326669	0.17187465
MAGEB4	grey	0.052720359	0.255523996	0.047728212	0.30336791
MAGEB6	grey	-0.100903983	0.029236937	-0.092667226	0.045338821
MAGEC1	grey	-0.085034609	0.066355389	-0.083314326	0.072059661
MAGEC2	grey	-0.151940741	0.00098839	-0.133651702	0.003809875
MAGEC3	grey	-0.023067242	0.619035643	-0.021160658	0.648309973
MAGED1	grey	-0.120856433	0.008940543	-0.104647992	0.023721234
MAGED2	grey	-0.280446906	6.89E-10	-0.295543496	7.23E-11
MAGED4	grey	-0.160788757	0.000486497	-0.185615392	5.45E-05
MAGED4	grey	-0.119713091	0.009614146	-0.113903673	0.013781725
MALSU1	grey	0.222891358	1.14E-06	0.259713877	1.23E-08
MAMDC1	grey	0.292666131	1.12E-10	0.275444809	1.41E-09
MAMSTF	grey	-0.275179065	1.47E-09	-0.286647061	2.78E-10
MAN2B1	grey	0.066555299	0.150999428	0.080774435	0.081207495
MAN2B2	grey	0.213545461	3.22E-06	0.216997852	2.21E-06
MAN2C1	grey	-0.022586299	0.626365988	-0.047418	0.306525044
MANBA1	grey	-0.150579185	0.001098698	-0.14322243	0.001917128
MANEA1	grey	0.083394121	0.071786489	0.064389996	0.16477425

MAOA grey	0.007363764	0.873898959	-0.007380265	0.873618751
MAP1LC grey	-0.051272821	0.268824776	-0.059714883	0.197696912
MAP1LC grey	-0.163798528	0.000379039	-0.162332936	0.000428254
MAP2K7 grey	0.029253435	0.528293699	-0.00830267	0.857981321
MAP3K1 grey	-0.093107524	0.04432032	-0.118388618	0.010450544
MAP3K1 grey	-0.00822138	0.859357279	-8.70E-05	0.998503822
MAP3K1 grey	-0.264678862	6.31E-09	-0.275939693	1.32E-09
MAP3K6 grey	0.081454775	0.078669586	0.087867	0.057774588
MAP3K8 grey	-0.170821894	0.000208166	-0.175395312	0.000139113
MAPK4 grey	-0.188819798	4.02E-05	-0.20867315	5.43E-06
MAPK8I grey	0.003195724	0.94508889	-0.015864632	0.732395807
MAPK8I grey	0.031670689	0.494767056	0.043028053	0.353520724
MAPKAP grey	0.096747621	0.036614591	0.110551066	0.016850392
MAPT grey	-0.057704489	0.213242059	-0.080553224	0.082046819
MARC2 grey	0.241084709	1.34E-07	0.220673491	1.47E-06
11-Mar grey	-0.213079592	3.39E-06	-0.219077891	1.75E-06
3-Mar grey	0.134852323	0.003503451	0.164421447	0.000359762
MAST3 grey	-0.049066079	0.289999501	-0.041648655	0.369178786
MAT1A grey	0.007771981	0.866971647	0.002372293	0.959223226
MATN1 grey	0.08467716	0.067509098	0.063773082	0.168866406
MATN3 grey	-0.092264447	0.046287688	-0.118256547	0.010537385
MATN4 grey	-0.160581765	0.000494841	-0.157429983	0.000639491
MAVS grey	-0.139887451	0.002447139	-0.137009181	0.003008567
MBD6 grey	0.210367682	4.53E-06	0.197167817	1.77E-05
MC4R grey	-0.153745857	0.000857879	-0.154107341	0.000833739
MC5R grey	0.01759062	0.704578631	-0.017461851	0.70664096
MCCD1 grey	-0.150370845	0.001116545	-0.138700659	0.002665909
MCOLN3 grey	-0.374121753	5.81E-17	-0.38150487	1.26E-17
MCTP2 grey	0.025916979	0.576391374	0.019428954	0.675378712
MDFI grey	-0.083210777	0.072415414	-0.089098631	0.05434132
MDP1 grey	-0.055435515	0.231821186	-0.07438859	0.108390877
ME1 grey	-0.233437862	3.36E-07	-0.232710851	3.67E-07
ME3 grey	-0.15309097	0.000903266	-0.161510843	0.000458401
MECR grey	0.035031847	0.450100424	0.022706086	0.624536764
MED10 grey	-0.193241969	2.62E-05	-0.173503927	0.000164548
MED12L grey	-0.054406564	0.240613736	-0.083786479	0.070455572
MED18 grey	0.242319537	1.15E-07	0.267725258	4.16E-09
MED29 grey	-0.116149197	0.01201222	-0.107512269	0.020132323
MED9 grey	0.157570471	0.000632287	0.151965804	0.000986459
MEF2B grey	-0.057278243	0.216647986	-0.040217694	0.385868927
MEF2BN grey	-0.133791846	0.003772897	-0.145432735	0.001626152
MEGF10 grey	-0.121742686	0.008447655	-0.120444935	0.009177978
MEGF11 grey	-0.008612479	0.852741285	0.012621088	0.785603627
MEGF6 grey	-0.19413084	2.40E-05	-0.191376529	3.14E-05
MEGF8 grey	-0.076149722	0.100261662	-0.096355246	0.037386381

MEI4	grey	-0.16706401	0.000287708	-0.163164897	0.000399632
MEPCE	grey	-0.186907328	4.82E-05	-0.193269693	2.61E-05
MESDC1	grey	0.088868912	0.054968486	0.090680407	0.050182526
MESP2	grey	0.103260768	0.025649889	0.144949028	0.001686127
MET	grey	-0.064015876	0.167246915	-0.066832118	0.149303412
METRNL	grey	0.02277812	0.623437863	0.044030984	0.342402926
METRNL	grey	-0.354699168	2.72E-15	-0.34170411	3.10E-14
METTTL1	grey	0.068687792	0.138306073	0.065454049	0.157891688
METTTL2	grey	-0.133384382	0.003881322	-0.114778797	0.013066526
METTTL7	grey	-0.113132159	0.0144406	-0.113283323	0.014309366
MFAP2	grey	-0.160434795	0.000500846	-0.178640693	0.000103867
MFGE8	grey	-0.090659069	0.050236806	-0.096740896	0.036627704
MFI2	grey	-0.199367725	1.42E-05	-0.185753535	5.38E-05
MFRP	grey	-0.031880588	0.491910274	-0.018599201	0.688501375
MFSD2A	grey	-0.040733931	0.379795487	-0.060872776	0.189127548
MFSD4	grey	0.138919021	0.002624366	0.180239787	8.98E-05
MFSD6L	grey	-0.211655065	3.95E-06	-0.22039044	1.52E-06
MFSD7	grey	-0.084113605	0.069361411	-0.06531701	0.158765712
MGAT1	grey	-0.064765111	0.162322665	-0.038154937	0.410721264
MGAT3	grey	-0.262107584	8.93E-09	-0.252582657	3.14E-08
MGAT5B	grey	-0.005260144	0.909738151	-0.061556564	0.184196883
MGST1	grey	0.081862905	0.077178245	0.096994234	0.03613647
MGST3	grey	0.206587193	6.76E-06	0.201356386	1.16E-05
MIA	grey	0.096731567	0.036645902	0.119804107	0.009558917
MIA-RAE	grey	0.048241485	0.298191621	0.052799499	0.254810196
MICA	grey	0.0215447	0.642367592	0.021627157	0.641094673
MICALL1	grey	0.094553397	0.041110091	0.110168114	0.017236381
MIDN	grey	0.174487448	0.000150823	0.18152496	7.98E-05
MIEF2	grey	0.0265374	0.56729358	0.047931285	0.301312869
MIF4GD	grey	0.109241252	0.018202745	0.097858732	0.034502096
MINOS1	grey	-0.007594891	0.869975594	-0.025775659	0.578473234
MIOX	grey	-0.00352908	0.939371424	0.004112725	0.929368871
MIXL1	grey	-0.202552499	1.03E-05	-0.192873632	2.71E-05
MKNK1	grey	-0.081130115	0.079872543	-0.084454274	0.06823678
MKNK2	grey	0.440523278	1.37E-23	0.460849188	6.23E-26
MKRN2C	grey	0.233806745	3.22E-07	0.282738217	4.94E-10
MKRN3	grey	-0.268784825	3.59E-09	-0.264939454	6.09E-09
MLC1	grey	-0.137907156	0.002821966	-0.141350762	0.002199985
MLEC	grey	0.250660139	4.02E-08	0.237196877	2.14E-07
MLF1	grey	-0.433549739	8.00E-23	-0.438698443	2.18E-23
MLH1	grey	-0.44292025	7.37E-24	-0.44238807	8.46E-24
MLLT1	grey	0.051179519	0.269698051	0.037424435	0.419744758
MLLT3	grey	0.093129409	0.044270201	0.091661836	0.047738402
MLLT6	grey	-0.038515546	0.406309535	-0.072124777	0.119593953
MLNR	grey	0.035514124	0.443883708	0.02820207	0.543227593

MLXIP	grey	-0.000988004	0.983011346	-0.026977189	0.56088636
MLXIPL	grey	-0.17038092	0.000216299	-0.17288725	0.000173743
MMEL1	grey	0.01932788	0.676972055	0.029209545	0.528912931
MMP10	grey	0.059909212	0.196239276	0.056517707	0.222821664
MMP13	grey	-0.063601465	0.170018191	-0.030978803	0.504246086
MMP17	grey	0.032784028	0.479715536	0.035812935	0.440056574
MMP20	grey	-0.126387775	0.006239576	-0.150768592	0.001082701
MMP23B	grey	-0.086255487	0.062536339	-0.091750265	0.047523164
MMP27	grey	-0.120552108	0.009115605	-0.122084329	0.008264216
MMP3	grey	-0.018904474	0.683662304	0.002918741	0.949841665
MMP7	grey	-0.105281453	0.022883088	-0.110709783	0.016692646
MMP8	grey	-0.084030353	0.069638543	-0.090632702	0.050303946
MNX1	grey	0.477481417	5.73E-28	0.483637223	9.47E-29
MOCOS	grey	0.170730626	0.000209825	0.177684585	0.000113264
MOCS1	grey	-0.028509223	0.538843125	-0.072093295	0.11975589
MOGAT1	grey	0.046802091	0.312857462	0.04602656	0.320952304
MOGAT2	grey	-0.024881211	0.591730795	0.004092278	0.92971912
MON1B	grey	0.387757304	3.33E-18	0.41428321	8.58E-21
MORC4	grey	0.057140512	0.21775683	0.027306303	0.556114506
MOS	grey	-0.064479173	0.164188929	-0.06064468	0.19079369
MOV10L	grey	-0.052118245	0.261000111	-0.066958495	0.148533966
MPC1	grey	-0.020366238	0.66067302	0.020419712	0.659837883
MPI	grey	0.27476625	1.56E-09	0.26573754	5.46E-09
MPO	grey	-0.108747033	0.018737104	-0.095657239	0.038793463
MPP2	grey	-0.166880336	0.000292244	-0.203119271	9.69E-06
MPP3	grey	-0.325125552	5.85E-13	-0.33603416	8.63E-14
MPPED1	grey	-0.163065064	0.00040297	-0.162651837	0.000417064
MPV17	grey	-0.000160039	0.997247934	0.019845498	0.668827596
MPV17L	grey	-0.403186349	1.11E-19	-0.390627449	1.79E-18
MPZ	grey	-0.270453861	2.85E-09	-0.259780295	1.22E-08
MRFAP1	grey	-0.076492361	0.098737862	-0.082614572	0.074491718
MRGPRC	grey	-0.028319259	0.541552689	-0.029804257	0.520553726
MRI1	grey	0.021954305	0.636054721	0.005052448	0.913287821
MRM1	grey	0.067876348	0.143035886	0.067021782	0.148149776
MRO	grey	-0.023069809	0.618996613	-0.040973295	0.376999408
MROH2A	grey	-0.024634873	0.595406312	-0.040824875	0.378731653
MROH6	grey	-0.134065527	0.003701619	-0.105863412	0.022135808
MROH7	grey	-0.154489855	0.000808879	-0.182824831	7.07E-05
MROH8	grey	-0.184378444	6.12E-05	-0.186642737	4.94E-05
MRPL38	grey	-0.05917422	0.201793869	-0.086348578	0.062252732
MS4A15	grey	-0.279326899	8.11E-10	-0.286471994	2.85E-10
MS4A6E	grey	-0.066896987	0.148908081	-0.046128829	0.319877101
MSGN1	grey	0.128215637	0.005523585	0.126975943	0.006000583
MSH4	grey	0.114446419	0.013334216	0.097294349	0.035561785
MSLN	grey	-0.183447207	6.67E-05	-0.154383805	0.000815701

MSLNL	grey	-0.188851932	4.00E-05	-0.184563311	6.01E-05
MSRA	grey	0.22123881	1.38E-06	0.219601927	1.66E-06
MST1	grey	-0.024122833	0.603079293	-0.046790251	0.312980034
MST1R	grey	0.32779818	3.69E-13	0.342916957	2.48E-14
MSTN	grey	0.023202052	0.616987644	0.016452604	0.722878088
MT1A	grey	-0.009465079	0.83835468	-0.028709154	0.535998731
MT1B	grey	0.089635371	0.052899112	0.117213231	0.011246189
MT1E	grey	-0.116428979	0.011806454	-0.098097062	0.034062749
MT1G	grey	0.061261091	0.186315716	0.082979369	0.07321562
MT1H	grey	-0.07851403	0.090118594	-0.076805858	0.09735986
MT1HL1	grey	0.019523748	0.673885678	0.04477635	0.33428631
MT1M	grey	-0.065927597	0.154899387	-0.066511404	0.151269698
MT3	grey	0.134011427	0.003715612	0.123033842	0.007772911
MTA1	grey	0.009785192	0.832966768	-0.004474925	0.923166947
MTCL1	grey	-0.066589808	0.150787199	-0.115835231	0.012246893
MTFR1L	grey	0.045774108	0.323616505	0.043703402	0.346009507
MTHFR	grey	-0.14527109	0.001645973	-0.157694886	0.000625969
MTRNR2	grey	-0.04670379	0.313876025	-0.039820752	0.390578842
MTRNR2	grey	-0.033651367	0.468164492	-0.028858619	0.533877243
MTRNR2	grey	0.033869307	0.465286343	0.03907647	0.399503452
MTRNR2	grey	-0.042237261	0.362445436	-0.030402935	0.512207842
MTRNR2	grey	0.041737055	0.368162624	0.032812665	0.479331699
MTRNR2	grey	0.052720538	0.255522382	0.061459556	0.18489056
MTRNR2	grey	0.060614533	0.191014703	0.039420284	0.395365705
MTRNR2	grey	-0.067692672	0.144123487	-0.081658264	0.077923126
MTSS1	grey	-0.074447293	0.108111781	-0.106251859	0.021648869
MTSS1L	grey	0.135352552	0.003382515	0.126971518	0.006002349
MUC12	grey	-0.082635269	0.074418836	-0.063634533	0.169795804
MUC15	grey	-0.113075755	0.014489837	-0.127616339	0.005749745
MUC16	grey	-0.027734399	0.549937205	0.002757265	0.952613268
MUC21	grey	-0.026757995	0.564075399	0.003161822	0.945670523
MUC3A	grey	-0.133003099	0.003985328	-0.11970406	0.009619641
MUC6	grey	0.204056979	8.80E-06	0.216792541	2.26E-06
MUC7	grey	0.107749527	0.019857426	0.092436152	0.045881167
MUS81	grey	0.043531622	0.347910366	0.020173057	0.663693526
MXD4	grey	0.127796222	0.005681003	0.153130272	0.000900481
MXRA5	grey	-0.108187833	0.019358169	-0.092280094	0.046250518
MYADM	grey	0.119104766	0.009990617	0.091639549	0.047792775
MYBPC1	grey	-0.048738812	0.293232552	-0.043155192	0.352098896
MYBPC2	grey	0.012512116	0.787410259	0.016348986	0.724552342
MYBPC3	grey	0.014962184	0.747083738	0.040954239	0.377221548
MYBPH	grey	-0.109707049	0.01771134	-0.09975181	0.031141821
MYBPHL	grey	-0.149410777	0.00120229	-0.162827254	0.000411026
MYCN	grey	0.166203811	0.000309533	0.158494722	0.000586733
MYEOV	grey	0.208076395	5.78E-06	0.214669006	2.85E-06

MYF6	grey	-0.022014286	0.635132481	0.004039391	0.930625099
MYH15	grey	-0.026753172	0.564145665	-0.056535267	0.222677716
MYH3	grey	-0.192193874	2.90E-05	-0.204101774	8.76E-06
MYH6	grey	-0.121918491	0.008352811	-0.11055076	0.016850697
MYH7	grey	-0.064270606	0.165560334	-0.061288439	0.186118856
MYH8	grey	-0.090903558	0.049617803	-0.083984328	0.069792139
MYL1	grey	-0.051667729	0.265150021	-0.052969636	0.253280331
MYL10	grey	0.019169348	0.679474074	0.032036779	0.489790193
MYL12A	grey	0.067141223	0.14742676	0.08143344	0.078748184
MYL12B	grey	-0.03593042	0.438557023	-0.013780528	0.76645449
MYL2	grey	0.057015589	0.218766067	0.058405573	0.207724111
MYL4	grey	0.002738181	0.952940864	-0.00785737	0.865523898
MYLK2	grey	-0.166546637	0.000300656	-0.173169181	0.000169481
MYLK4	grey	-0.208514067	5.52E-06	-0.200642812	1.25E-05
MYO15A	grey	-0.175864376	0.000133403	-0.173738635	0.00016117
MYO18B	grey	-0.003777076	0.935119997	-0.002837734	0.951232004
MYO1A	grey	0.039670257	0.392373607	0.043267165	0.350849656
MYO1C	grey	0.228957565	5.70E-07	0.233084413	3.51E-07
MYO3A	grey	-0.219581037	1.66E-06	-0.182279962	7.44E-05
MYO3B	grey	0.10024164	0.03031939	0.079407014	0.086508744
MYO7B	grey	-0.178571906	0.000104517	-0.192091979	2.93E-05
MYOC	grey	-0.185776218	5.37E-05	-0.17284073	0.000174455
MYOD1	grey	-0.205803638	7.34E-06	-0.210807048	4.33E-06
MYOG	grey	-0.068115376	0.141629942	-0.065294764	0.158907942
MYOM3	grey	-0.185316862	5.60E-05	-0.181715714	7.84E-05
MYOT	grey	-0.170963878	0.000205609	-0.184337509	6.14E-05
MYOZ1	grey	-0.310326705	6.97E-12	-0.297510104	5.34E-11
MYPOP	grey	0.066876676	0.149031777	0.069697039	0.132592015
MYRF	grey	-0.152394319	0.000953975	-0.147547888	0.001386199
MYRFL	grey	0.00152634	0.973757438	-0.002240729	0.961482843
MYT1	grey	-0.308497109	9.38E-12	-0.335128281	1.01E-13
MYT1L	grey	-0.07713171	0.095943839	-0.05667452	0.221538561
NAB2	grey	-0.25970465	1.23E-08	-0.289299897	1.87E-10
NACA2	grey	0.09843192	0.033453518	0.108772226	0.018709538
NAGA	grey	0.277329765	1.08E-09	0.266088027	5.21E-09
NAGS	grey	0.062188067	0.179728092	0.045721472	0.3241738
NAIF1	grey	0.116473416	0.011774061	0.122600974	0.007993559
NALCN	grey	0.071055734	0.125189423	0.049136817	0.289303835
NANOS1	grey	-0.069612319	0.133064557	-0.065715107	0.156236737
NANOS3	grey	0.053970974	0.244405586	0.069242456	0.135142762
NAP1L6	grey	-0.286396707	2.88E-10	-0.288256059	2.18E-10
NAPSA	grey	-0.102346473	0.026993692	-0.105913195	0.022072877
NAT1	grey	0.230225581	4.91E-07	0.243684456	9.68E-08
NAT6	grey	-0.006494109	0.888688225	-0.025472289	0.582954186
NBPF4	grey	-0.214591806	2.87E-06	-0.227138224	7.04E-07



NBPF6	grey	-0.232552998	3.74E-07	-0.246897436	6.48E-08
NCALD	grey	0.129609419	0.005028251	0.112738851	0.014787021
NCAM2	grey	-0.054178547	0.242593464	-0.061449892	0.184959768
NCAN	grey	-0.062899223	0.174792373	-0.060710176	0.190314177
NCDN	grey	0.044544058	0.336802468	0.048523673	0.295370991
NCEH1	grey	-0.029218895	0.528780975	-0.04186492	0.366695867
NCKIPSE	grey	0.18611302	5.20E-05	0.182503427	7.29E-05
NCR2	grey	-0.021003188	0.650753058	-0.006354607	0.891064325
NDRG3	grey	-0.087569828	0.058629361	-0.114200219	0.013535603
NDST4	grey	0.089742213	0.05261587	0.060691355	0.190451875
NDUFA1	grey	0.050548856	0.275651686	0.046721962	0.313687572
NDUFA4	grey	0.025283696	0.585747924	0.036768878	0.42794051
NEBL	grey	-0.136107393	0.003207185	-0.142162746	0.002072892
NECAB2	grey	-0.104021095	0.0245767	-0.107925125	0.01965608
NEDD4L	grey	0.11968057	0.009633949	0.127017775	0.005983902
NEDD8	grey	0.180081705	9.11E-05	0.154708897	0.000794954
NEFH	grey	-0.318438269	1.82E-12	-0.33616201	8.44E-14
NEFL	grey	-0.165462598	0.000329569	-0.151487466	0.001023923
NEK8	grey	0.09245404	0.04583899	0.094740404	0.040709593
NELL1	grey	-0.218331873	1.91E-06	-0.223893035	1.02E-06
NELL2	grey	-0.098929892	0.032564716	-0.09291769	0.044757059
NETO1	grey	-0.063907956	0.167965324	-0.066046393	0.154155508
NEU4	grey	-0.118409115	0.010437124	-0.113515767	0.014109614
NEUROD	grey	0.000742307	0.987235671	-0.021926005	0.636490052
NEUROD	grey	-0.029049276	0.531177241	-0.038256112	0.409480626
NEUROG	grey	0.054573785	0.239169093	0.054633478	0.238654872
NEUROG	grey	0.144179085	0.001785788	0.13613346	0.00320128
NEUROG	grey	0.05349313	0.248613147	0.051499471	0.266711475
NF2	grey	0.123908122	0.007343778	0.127055812	0.005968771
NFATC1	grey	-0.137806871	0.00284227	-0.11182694	0.015618439
NFE2	grey	-0.10090353	0.029237665	-0.116728701	0.011589486
NFE2L3	grey	0.017451034	0.706814294	-0.003494272	0.939968289
NFIB	grey	0.066379299	0.152085327	0.074645877	0.10717183
NFIX	grey	-0.06167617	0.183344261	-0.071991528	0.120280546
NFKBIA	grey	-0.158122992	0.000604676	-0.153601077	0.000867728
NFKBID	grey	-0.211479835	4.02E-06	-0.228176801	6.24E-07
NFKBIZ	grey	0.101834238	0.027772712	0.077947026	0.092472735
NFS1	grey	-0.017624023	0.704044012	-0.027222669	0.557325252
NGEF	grey	0.106780597	0.021001017	0.098879532	0.032653675
NGFRAP	grey	-0.291359367	1.37E-10	-0.277718642	1.02E-09
NHLH1	grey	-0.016341058	0.72468049	-0.025560321	0.581652241
NHLH2	grey	-0.052179611	0.260438324	-0.038652675	0.404639316
NHLRC1	grey	-0.417205887	4.30E-21	-0.397591996	3.88E-19
NIM1K	grey	0.034897259	0.451844057	0.015175036	0.743610953
NINJ2	grey	-0.068564147	0.139018924	-0.036429522	0.432219344

NIPA1	grey	0.398697444	3.04E-19	0.386800525	4.08E-18
NIPAL4	grey	-0.151089255	0.001056109	-0.14027026	0.002380147
NIT1	grey	0.15126528	0.001041768	0.137271207	0.00295299
NKAIN1	grey	-0.047783657	0.302805899	-0.074338923	0.108627458
NKAIN2	grey	-0.113331726	0.014267567	-0.115806445	0.012268611
NKAIN3	grey	-0.049151389	0.289160668	-0.052268846	0.259622891
NKAIN4	grey	-0.289320864	1.86E-10	-0.280036453	7.32E-10
NKPD1	grey	-0.013937679	0.763869635	-0.04673387	0.313564121
NKX1-1	grey	-0.042909267	0.354852413	-0.03431703	0.459404504
NKX1-2	grey	0.1065759	0.021249803	0.081897838	0.077051671
NKX2-1	grey	0.004569612	0.921546376	0.029541291	0.524241564
NKX2-2	grey	0.260141972	1.16E-08	0.240366905	1.46E-07
NKX2-3	grey	0.018707749	0.68677924	0.017314795	0.708998786
NKX2-4	grey	-0.100642112	0.02966088	-0.102224314	0.027177746
NKX2-5	grey	-0.08699409	0.060315182	-0.101565088	0.028189731
NKX2-8	grey	-0.09306603	0.044415475	-0.07582322	0.101731031
NKX3-1	grey	0.149537914	0.001190597	0.132716274	0.004065222
NKX3-2	grey	-0.049236603	0.288324418	-0.041209615	0.374251332
NKX6-1	grey	-0.096603058	0.036897353	-0.081152356	0.079789662
NKX6-2	grey	-0.154341046	0.000818467	-0.162748172	0.000413738
NKX6-3	grey	0.122134544	0.008237556	0.102817445	0.026294092
NLE1	grey	0.163171404	0.000399415	0.153320686	0.000887099
NLGN4X	grey	-0.070959824	0.125701205	-0.048968569	0.290960281
NLGN4Y	grey	-0.017451489	0.706807011	0.000517321	0.991104216
NLRP11	grey	-0.040087135	0.387414243	-0.050059641	0.280331132
NLRP2	grey	0.002846074	0.951088852	-0.014727227	0.750923136
NLRP4	grey	-0.065654884	0.156617345	-0.084553081	0.067913402
NLRP7	grey	-0.19329436	2.60E-05	-0.185755463	5.38E-05
NLRX1	grey	0.265267547	5.82E-09	0.280981046	6.38E-10
NMB	grey	0.062210109	0.179573577	0.071812235	0.121209239
NME2	grey	0.075401264	0.103655229	0.064025844	0.167180671
NME6	grey	-0.064786669	0.162182611	-0.065957492	0.154711934
NMNAT2	grey	0.016959076	0.714713686	0.021159224	0.648332208
NMNAT3	grey	-0.307971437	1.02E-11	-0.3218653	1.02E-12
NMRK1	grey	0.318952627	1.67E-12	0.310185779	7.13E-12
NMUR2	grey	0.035687965	0.441654876	0.067868835	0.143080249
NNMT	grey	-0.029881512	0.519472835	-0.019131385	0.680073752
NOG	grey	0.233441241	3.36E-07	0.220424744	1.51E-06
NOL3	grey	0.30674058	1.24E-11	0.295121716	7.72E-11
NOL4	grey	-0.049824645	0.282597937	-0.06326192	0.172314276
NOL4L	grey	-0.392657456	1.15E-18	-0.397117861	4.31E-19
NOS1	grey	-0.211807387	3.89E-06	-0.23303116	3.53E-07
NOS2	grey	-0.017831061	0.70073361	0.001847551	0.968237476
NOV	grey	-0.085279545	0.065574215	-0.075198904	0.104588198
NOX4	grey	-0.156497995	0.000689247	-0.131324736	0.004473783

NOXO1	grey	0.023836234	0.607393285	0.063344984	0.171750449
NPAS1	grey	0.025784521	0.578342579	0.03971582	0.39182971
NPB	grey	-0.009876402	0.831432998	-0.031322491	0.499525569
NPBWR1	grey	0.003276317	0.943706354	-0.007263532	0.875601359
NPC1L1	grey	-0.043777492	0.345191695	-0.033099855	0.475491565
NPFFR1	grey	-0.243526117	9.88E-08	-0.255198269	2.23E-08
NPIPA1	grey	-0.106546464	0.021285788	-0.116603263	0.011679857
NPIPA2	grey	0.025970801	0.575599419	0.033711238	0.467372854
NPIPA3	grey	-0.010290979	0.824469728	-0.003608216	0.938014594
NPIPA5	grey	-0.03776278	0.41555101	-0.040785399	0.379193213
NPIPA7	grey	-0.081826345	0.077310893	-0.087025016	0.060223618
NPIPA8	grey	-0.018066512	0.696975761	0.000500894	0.991386683
NPIPB11	grey	0.020626666	0.656609755	0.035200271	0.447923818
NPIPB15	grey	-0.036838512	0.427065558	-0.039838499	0.390367521
NPIPB6	grey	0.040724262	0.379908707	0.021172225	0.648130665
NPIPB7	grey	0.012830683	0.782132026	0.000131226	0.99774342
NPIPB9	grey	-0.120157087	0.009347385	-0.112539304	0.014965555
NPM2	grey	0.120940146	0.008892915	0.115360529	0.012609399
NPNT	grey	-0.01958688	0.672892036	-0.033584521	0.469049244
NPPA	grey	-0.085277278	0.065581411	-0.092730262	0.045191812
NPPB	grey	0.007391375	0.873430097	-0.010585576	0.819529963
NPPC	grey	0.039473204	0.394731124	0.030563699	0.509978618
NPS	grey	0.074724653	0.106800755	0.069542516	0.133454867
NPSR1	grey	0.02381906	0.607652228	0.036927917	0.425943722
NPTX1	grey	0.001465457	0.974803849	0.007798905	0.866515112
NPTX2	grey	-0.247759356	5.81E-08	-0.236165884	2.43E-07
NPTXR	grey	-0.40169018	1.55E-19	-0.397472509	3.99E-19
NPVF	grey	-0.097917603	0.034393125	-0.095552181	0.03900908
NPW	grey	-0.207121069	6.39E-06	-0.185139791	5.70E-05
NPY	grey	-0.259721924	1.23E-08	-0.264732104	6.26E-09
NQO2	grey	0.051230381	0.269221755	0.08480418	0.067097254
NR0B1	grey	-0.151758357	0.001002548	-0.147052145	0.00143932
NR0B2	grey	-0.059745898	0.197463745	-0.050510275	0.276018776
NR1H4	grey	-0.18973439	3.68E-05	-0.190821826	3.31E-05
NR2E1	grey	0.030967103	0.504407206	0.020040019	0.665776842
NR5A2	grey	0.018876068	0.684112041	0.012485791	0.787846874
NRAP	grey	-0.058758914	0.204982562	-0.062353346	0.17857188
NRARP	grey	-0.079857036	0.084734166	-0.086647136	0.0613503
NRBP1	grey	-0.066759192	0.149748807	-0.061708262	0.183115987
NRBP2	grey	-0.16689426	0.000291897	-0.205441068	7.62E-06
NRCAM	grey	0.010709685	0.81745105	-0.003974795	0.931731777
NRG1	grey	-0.14544068	0.001625183	-0.138682304	0.002669428
NRG2	grey	-0.131398075	0.004451358	-0.153310581	0.000887804
NRG3	grey	-0.263955632	6.96E-09	-0.266137679	5.17E-09
NRGN	grey	0.031872552	0.492019472	0.036537898	0.430850177

NRIP3	grey	-0.387576648	3.46E-18	-0.365546823	3.28E-16
NRL	grey	-0.099789633	0.031077644	-0.070431731	0.128548306
NRN1	grey	0.218151655	1.94E-06	0.236176261	2.43E-07
NRSN2	grey	-0.139217926	0.002568455	-0.141954327	0.002104858
NRXN1	grey	-0.101887202	0.027691277	-0.108844121	0.018631064
NRXN3	grey	-0.174199046	0.000154732	-0.16627795	0.000307593
NSFL1C	grey	-0.092762559	0.045116644	-0.081230113	0.079500444
NSMF	grey	-0.093145704	0.044232914	-0.112194708	0.015278324
NT5C1B	grey	0.043687114	0.346189467	0.041158927	0.374839717
NT5C3B	grey	0.102443578	0.026848151	0.092325812	0.046142058
NT5M	grey	-0.053281325	0.250494209	-0.06862439	0.138671257
NTF3	grey	-0.30969616	7.72E-12	-0.316478695	2.53E-12
NTF4	grey	-0.269037489	3.47E-09	-0.267634763	4.21E-09
NTN3	grey	-0.209423614	5.01E-06	-0.224122577	9.94E-07
NTN5	grey	-0.16193994	0.000442427	-0.164704157	0.000351318
NTNG1	grey	-0.129175085	0.005178136	-0.126093825	0.006362189
NTRK1	grey	-0.214851056	2.79E-06	-0.197076577	1.79E-05
NTRK2	grey	0.071273872	0.124031454	0.071152176	0.124676432
NTS	grey	0.024239576	0.601325995	0.03748384	0.419006645
NTSR1	grey	-0.148584713	0.001280877	-0.11939888	0.009806996
NUBP1	grey	0.194902525	2.22E-05	0.199860519	1.35E-05
NUDCD3	grey	-0.034700814	0.454395877	-0.028573553	0.537927083
NUDT16	grey	-0.22005065	1.57E-06	-0.171290617	0.000199835
NUDT17	grey	-0.039035426	0.399999129	-0.065596548	0.156986694
NUDT6	grey	0.074300864	0.108809024	0.052625857	0.256378166
NUPR1L	grey	-0.371322686	1.03E-16	-0.33870975	5.33E-14
NUTM2B	grey	-0.052441307	0.258051941	-0.05477207	0.23746399
NUTM2D	grey	-0.034087901	0.462409425	-0.044370471	0.33869065
NUTM2E	grey	0.085250801	0.065665496	0.082399644	0.075251997
NUTM2F	grey	0.065226013	0.159348097	0.053208699	0.251141486
NWD2	grey	-0.038229383	0.40980817	-0.01939745	0.675875186
NXF1	grey	0.168294451	0.000258976	0.133767795	0.00377922
NXF2B	grey	-0.065871732	0.155250146	-0.046521441	0.315771223
NXN	grey	-0.065028653	0.160616747	-0.072210826	0.119152194
NXPE2	grey	0.245719153	7.51E-08	0.202101328	1.08E-05
NXPH1	grey	0.006104359	0.895329147	0.008236678	0.859098295
NYAP2	grey	0.019034698	0.681601962	0.041822347	0.367183817
NYNRIN	grey	-0.31143295	5.82E-12	-0.310951056	6.29E-12
NYX	grey	-0.067828251	0.143320075	-0.071467206	0.123012128
OAZ2	grey	0.036427889	0.432239986	0.044719058	0.33490577
OAZ3	grey	0.372445781	8.18E-17	0.382229529	1.08E-17
OBFC1	grey	0.193238617	2.62E-05	0.210211234	4.61E-06
OBP2A	grey	0.06332453	0.171889164	0.039805982	0.390754759
OBP2B	grey	0.246846114	6.52E-08	0.195530884	2.09E-05
OBSCN	grey	-0.254170918	2.55E-08	-0.286490782	2.84E-10

OBSL1	grey	-0.154436711	0.000812291	-0.164446649	0.000359002
OC90	grey	-0.033781822	0.466440506	-0.045212804	0.329591458
OCA2	grey	-0.204667453	8.26E-06	-0.204579165	8.34E-06
ODAM	grey	-0.050720529	0.274022264	-0.050926021	0.272080485
ODF3L2	grey	0.168456335	0.000255402	0.175317151	0.000140087
OGDHL	grey	-0.122153317	0.008227609	-0.127684992	0.005723421
OLFM2	grey	-0.25272272	3.08E-08	-0.256397685	1.91E-08
OLFM3	grey	0.030266442	0.514104488	0.000709611	0.987797852
OLIG1	grey	0.027328395	0.555794908	0.046779364	0.313092762
OLIG3	grey	-0.03636155	0.433079343	-0.02160957	0.641366084
OMP	grey	-0.122425413	0.00808463	-0.123543912	0.007519904
ONECUT	grey	0.157461658	0.00063786	0.172481218	0.000180057
ONECUT	grey	-0.074514104	0.107794822	-0.076882989	0.097023186
ONECUT	grey	0.281115909	6.26E-10	0.296852857	5.91E-11
OOEP	grey	-0.043011544	0.353705618	-0.063179092	0.172877868
OPA3	grey	-0.068924537	0.136949002	-0.044651834	0.335633547
OPN4	grey	0.034773645	0.453448856	0.061377722	0.18547722
OPN5	grey	-0.137196988	0.002968637	-0.138464925	0.002711429
OPRK1	grey	0.06846494	0.13959292	0.040894127	0.377922791
OPRL1	grey	-0.189190048	3.88E-05	-0.194867041	2.23E-05
OPTC	grey	0.029501985	0.524793933	0.008735195	0.850667467
OR10A3	grey	-0.032044816	0.489681238	-0.036933137	0.425878279
OR10G4	grey	0.033991194	0.463680968	0.016996704	0.71410841
OR10G9	grey	-0.052391039	0.258509156	-0.053460834	0.248899334
OR10H1	grey	0.029754168	0.521255149	0.032182041	0.487822879
OR10Q1	grey	0.044871726	0.333256717	0.041626061	0.369438785
OR10R2	grey	-0.042980483	0.354053642	-0.04294675	0.354431855
OR13A1	grey	-0.159785204	0.000528209	-0.183885454	6.41E-05
OR13C2	grey	-0.015516205	0.738055444	-0.037767078	0.415497893
OR14A2	grey	0.018667811	0.68741268	0.041358182	0.372530041
OR14K1	grey	-0.081352363	0.079047454	-0.11965579	0.009649061
OR1E1	grey	-0.026024609	0.574808188	-0.052184218	0.260396182
OR1F1	grey	0.137229363	0.002961802	0.150945206	0.001067979
OR1N1	grey	-0.057792766	0.212541515	-0.038987352	0.400580183
OR1Q1	grey	-0.039879669	0.389877573	-0.033350892	0.472148678
OR2A1	grey	0.026819232	0.563183585	-0.004275708	0.926577567
OR2L13	grey	-0.189944974	3.61E-05	-0.177315027	0.000117106
OR2T10	grey	-0.117799916	0.010842585	-0.096061496	0.037973172
OR2T29	grey	-0.09163509	0.047803661	-0.097553533	0.035071751
OR2T33	grey	-0.089179003	0.054123302	-0.107897934	0.01968714
OR2T8	grey	-0.080785078	0.08116729	-0.100614254	0.029706288
OR2V1	grey	-0.171227181	0.000200944	-0.182402096	7.36E-05
OR2W3	grey	-0.214211692	3.00E-06	-0.241225548	1.31E-07
OR3A2	grey	-0.041676843	0.36885457	-0.037584753	0.417754543
OR3A3	grey	0.030615506	0.509261326	0.022470889	0.628130542

OR4C46	grey	0.071899477	0.120756653	0.078866892	0.088677983
OR4C6	grey	-0.044951652	0.332395483	-0.022768238	0.623588571
OR4F16	grey	0.005711117	0.902036086	-0.004349628	0.925311885
OR4F3	grey	-0.043633459	0.346782678	-0.044785917	0.334182944
OR4L1	grey	-0.069436464	0.134049566	-0.060931385	0.188701173
OR4M2	grey	-0.074048606	0.110018493	-0.076764215	0.097542018
OR51A2	grey	0.006313759	0.891760256	-0.003715746	0.936171211
OR52A5	grey	-0.02714045	0.558516763	-0.034283861	0.459838831
OR56A3	grey	-0.215291471	2.66E-06	-0.208060455	5.79E-06
OR5AN1	grey	-0.076342121	0.09940373	-0.077105796	0.096055846
OR5AU1	grey	0.148770881	0.001262764	0.128776219	0.005319312
OR5F1	grey	-0.054682946	0.238229332	-0.061224125	0.186582061
OR5M11	grey	-0.169993682	0.000223686	-0.167705936	0.000272366
OR5T2	grey	-0.071402097	0.123354678	-0.064928753	0.161261806
OR7A5	grey	0.099577065	0.031439804	0.07087748	0.126141894
OR7C1	grey	0.096177692	0.037740133	0.066693254	0.150152384
OR7D2	grey	-0.010322881	0.823934457	-0.007044334	0.879326341
OR7E24	grey	-0.036305252	0.433792382	-0.044556593	0.336666389
OR9G4	grey	0.036985783	0.425218546	0.032275196	0.486563498
ORAI2	grey	-0.114341766	0.013419496	-0.107029356	0.020702088
ORAOV1	grey	-0.085123362	0.066071452	-0.105135722	0.023073602
ORM1	grey	0.168928057	0.000245249	0.159175749	0.000555138
ORM2	grey	0.246271262	7.01E-08	0.225367638	8.63E-07
ORMDL3	grey	0.013766315	0.766688396	0.000355011	0.993895206
OSBP2	grey	-0.007197386	0.876725132	-0.029953198	0.518470906
OSBPL2	grey	-0.229631163	5.27E-07	-0.228605851	5.94E-07
OSBPL7	grey	-0.061470632	0.184811256	-0.046932495	0.31150961
OSGEP	grey	0.119248213	0.009900682	0.123842674	0.007375153
OSGIN1	grey	0.270067266	3.01E-09	0.287510893	2.44E-10
OSTF1	grey	0.39111818	1.61E-18	0.398868659	2.92E-19
OSTN	grey	-0.15972272	0.000530913	-0.171055472	0.000203975
OTOA	grey	0.027307993	0.556090055	0.057932638	0.211434935
OTOF	grey	-0.131688963	0.004363408	-0.13278854	0.004044957
OTOG	grey	-0.077162029	0.095812922	-0.047520643	0.305478017
OTOP1	grey	-0.03393571	0.464411363	-0.040825157	0.378728353
OTOR	grey	-0.024361833	0.599492334	-0.016524776	0.721712714
OTOS	grey	0.063377967	0.171526952	0.085159472	0.065956213
OTP	grey	-0.052731689	0.255421722	-0.033007976	0.476718285
OTUD5	grey	-0.219510524	1.67E-06	-0.201590347	1.13E-05
OTX2	grey	-0.024500848	0.59741041	-0.025434046	0.583520194
OVCH2	grey	-0.090261436	0.051257315	-0.091221736	0.048821796
OVOL3	grey	-0.103946455	0.024680309	-0.10784923	0.019742884
OXA1L	grey	0.027008042	0.560438184	0.039357991	0.396113468
OXCT2	grey	-0.318575783	1.78E-12	-0.329396881	2.79E-13
OXGR1	grey	-0.137734151	0.002857076	-0.165345874	0.000332832

OXT	grey	-0.203068088	9.75E-06	-0.196143518	1.96E-05
P2RX5-T	grey	-0.042534847	0.359070562	-0.046555964	0.315411839
P2RY2	grey	-0.011295676	0.807652784	0.005455995	0.906392575
P3H1	grey	-0.018925697	0.683326366	-0.010654009	0.818383504
P3H4	grey	0.161820186	0.000446832	0.135019512	0.003462601
P4HA2	grey	0.180385865	8.86E-05	0.185156525	5.69E-05
PAAF1	grey	0.128768203	0.005322184	0.107547287	0.020091542
PABPC1I	grey	-0.155654037	0.000737374	-0.167477354	0.000277739
PABPC1I	grey	-0.15158164	0.001016445	-0.144706793	0.001716918
PABPC1I	grey	-0.131128681	0.004534234	-0.120429862	0.009186781
PABPC3	grey	0.10093608	0.029185335	0.093896833	0.042542647
PABPC4	grey	-0.148937144	0.001246788	-0.17466275	0.000148492
PABPN1I	grey	-0.071646517	0.122072581	-0.050437688	0.276710338
PACS1	grey	-0.025202511	0.586952465	-0.017453591	0.706773314
PACSIN2	grey	0.20512862	7.87E-06	0.209764013	4.83E-06
PACSIN3	grey	0.155364232	0.000754606	0.155705173	0.000734372
PADI1	grey	0.078211505	0.091368592	0.072443974	0.117961667
PADI2	grey	0.130979751	0.004580647	0.12717024	0.005923459
PADI3	grey	-0.036144464	0.435832559	-0.031553391	0.49636736
PAEP	grey	-0.172081263	0.000186487	-0.180258644	8.96E-05
PAF1	grey	-0.045851693	0.322796205	-0.046514776	0.315840631
PAGE1	grey	0.003825119	0.934296594	0.007960993	0.863767593
PAGE2	grey	-0.189445332	3.78E-05	-0.17977482	9.37E-05
PAGE2B	grey	-0.196111395	1.97E-05	-0.201835174	1.11E-05
PAGE3	grey	-0.075357301	0.103857357	-0.075939242	0.101206948
PAGE5	grey	-0.146054868	0.001551891	-0.147627914	0.001377795
PAGR1	grey	0.009305929	0.841036205	-0.007641508	0.869184654
PAK1	grey	0.218426217	1.89E-06	0.184165832	6.24E-05
PAK4	grey	0.028778167	0.535018646	0.036126264	0.436063843
PALD1	grey	-0.171223735	0.000201005	-0.192707989	2.76E-05
PALM3	grey	-0.093543346	0.043331192	-0.098053588	0.034142533
PAN2	grey	-0.102987606	0.026045196	-0.130951776	0.004589412
PANK4	grey	-0.05413934	0.242935017	-0.069218437	0.135278583
PANX2	grey	-0.078043391	0.092069203	-0.061707461	0.183121684
PAOX	grey	0.04745645	0.306132553	0.078720489	0.089273434
PAPL	grey	-0.037403474	0.420005376	-0.033625426	0.468507723
PAPPA2	grey	-0.100092992	0.030566984	-0.109431693	0.018000415
PAPSS2	grey	-0.001393688	0.97603743	0.014517476	0.754355851
PAQR5	grey	-0.140612462	0.002321682	-0.168045492	0.000264563
PAQR6	grey	0.2838166	4.22E-10	0.270084945	3.00E-09
PAQR7	grey	-0.074057144	0.109977385	-0.08308341	0.072854959
PAQR8	grey	-0.193298888	2.60E-05	-0.215937574	2.48E-06
PARN	grey	0.019726257	0.670700395	0.051829392	0.263655684
PARP3	grey	-0.019542437	0.673591463	0.001909309	0.967176334
PARP6	grey	-0.172353271	0.000182091	-0.165362478	0.000332366

PARVB	grey	-0.01543566	0.739365806	-0.004615161	0.92076691
PASD1	grey	-0.113069337	0.014495449	-0.102344372	0.026996848
PATZ1	grey	0.107044153	0.020684424	0.084154842	0.069224475
PAX2	grey	-0.108423181	0.019094632	-0.117163222	0.0112812
PAX3	grey	-0.107014515	0.020719818	-0.11641984	0.011813125
PAX4	grey	0.090935168	0.049538239	0.053910635	0.244934124
PAX5	grey	0.07522803	0.104453505	0.077814073	0.093031803
PAX6	grey	0.258640862	1.42E-08	0.264248281	6.69E-09
PAX7	grey	0.012709675	0.78413581	-0.006718442	0.884869334
PAX9	grey	0.255955508	2.02E-08	0.255908096	2.03E-08
PBX4	grey	-0.129085134	0.005209675	-0.124863306	0.006899262
PC	grey	0.115620889	0.01240942	0.120829148	0.008956115
PCCA	grey	0.182025746	7.62E-05	0.169834647	0.000226787
PCDH1	grey	-0.038239638	0.409682486	-0.013663134	0.768387118
PCDH10	grey	-0.292141183	1.22E-10	-0.286775725	2.72E-10
PCDH11	grey	-0.001554014	0.973281805	-0.022134086	0.633292182
PCDH11	grey	-0.081424084	0.078782673	-0.092124259	0.046621829
PCDH15	grey	-0.045888401	0.322408558	-0.039176325	0.398299046
PCDH19	grey	0.118129045	0.010621828	0.123850861	0.007371221
PCDH8	grey	-0.034748695	0.453773159	-0.048739964	0.293221128
PCDHA1	grey	0.053442706	0.249060071	0.039139581	0.398741982
PCDHA1	grey	-0.169418478	0.000235094	-0.182079992	7.58E-05
PCDHA1	grey	-0.130758397	0.004650422	-0.144670255	0.001721607
PCDHA1	grey	-0.066335012	0.152359505	-0.042202566	0.362840189
PCDHA2	grey	-0.024619382	0.595637802	-0.027533067	0.552838165
PCDHA3	grey	-0.071672743	0.121935632	-0.061009456	0.188134302
PCDHA4	grey	0.113667482	0.013980565	0.111110463	0.016300156
PCDHA6	grey	-0.024521888	0.59709559	-0.007049295	0.879241993
PCDHA7	grey	-0.077699648	0.093515127	-0.059268238	0.201077037
PCDHB1	grey	0.03666777	0.429212772	0.033752357	0.466829583
PCDHB1	grey	-0.067633438	0.144475574	-0.077986463	0.092307418
PCDHB2	grey	-0.011232319	0.808710746	-0.019479524	0.67458205
PCDHB3	grey	-0.105883151	0.022110837	-0.129746549	0.004981748
PCDHB6	grey	-0.307055889	1.18E-11	-0.328281861	3.39E-13
PCDHB8	grey	0.057947636	0.211316525	0.033557455	0.469407736
PCDHGA	grey	-0.144658645	0.001723099	-0.180455296	8.80E-05
PCDHGA	grey	0.091575372	0.047949644	0.05665915	0.221664097
PCDHGB	grey	-0.009744228	0.833655809	-0.019561522	0.673291081
PCDHGB	grey	-0.137503811	0.002904439	-0.143292497	0.001907216
PCDHGB	grey	-0.077307559	0.095186521	-0.080171003	0.083513566
PCGF2	grey	0.082644059	0.074387902	0.081752794	0.077578319
PCK1	grey	-0.181247484	8.18E-05	-0.164182327	0.000367051
PCOLCE	grey	-0.280349327	6.99E-10	-0.291819899	1.28E-10
PCP4	grey	-0.034818701	0.452863547	-0.054358077	0.241033764
PCP4L1	grey	0.135792409	0.003279319	0.110290051	0.017112647



PCSK1	grey	-0.077039075	0.096344711	-0.069826224	0.131873959
PCSK1N	grey	-0.364373515	4.14E-16	-0.365655042	3.21E-16
PCSK5	grey	-0.14852037	0.001287192	-0.17085566	0.000207555
PCSK6	grey	0.012887897	0.781185127	-0.021708732	0.639836393
PCSK9	grey	0.363140309	5.28E-16	0.362170632	6.39E-16
PCTP	grey	0.13254406	0.004113886	0.128490421	0.005422589
PDCL2	grey	-0.226442296	7.63E-07	-0.241051415	1.34E-07
PDE11A	grey	-0.136687371	0.003078124	-0.1435874	0.001866012
PDE3B	grey	-0.118001511	0.010706891	-0.121710395	0.00846518
PDE4A	grey	-0.195622555	2.07E-05	-0.167966669	0.000266356
PDE4C	grey	-0.121855937	0.008386449	-0.101427045	0.028405693
PDE6A	grey	0.009081422	0.844822072	0.022567029	0.626660463
PDE6B	grey	-0.505618394	1.12E-31	-0.501335857	4.33E-31
PDE6D	grey	0.075598705	0.102751303	0.056106221	0.22621376
PDE6G	grey	-0.281999164	5.50E-10	-0.271023523	2.63E-09
PDE9A	grey	-0.11702461	0.011378745	-0.134999478	0.003467474
PDGFA	grey	-0.049695203	0.28385183	-0.059810004	0.196982444
PDIA2	grey	0.03935041	0.396204539	0.039183018	0.398218396
PDIA5	grey	0.191075669	3.23E-05	0.156384404	0.000695551
PDILT	grey	-0.048920557	0.291434141	-0.043314749	0.350319633
PDX1	grey	0.128608298	0.005379776	0.129872996	0.004939211
PDYN	grey	-0.142150732	0.002074723	-0.142472807	0.002026159
PDZD7	grey	-0.021990725	0.635494674	-0.041741057	0.368116662
PDZK1	grey	0.033928905	0.464500983	0.006972754	0.880543315
PEA15	grey	0.055227217	0.233582513	0.033700559	0.467513991
PEBP4	grey	0.009766457	0.833281887	0.009764225	0.833319432
PECR	grey	-0.01350016	0.771072473	-0.024056964	0.604069571
PEPD	grey	-0.199220174	1.44E-05	-0.212459149	3.62E-06
PF4	grey	-0.006179361	0.894050616	-0.004055455	0.930349907
PFKFB3	grey	0.041063275	0.375951608	0.032673534	0.48119812
PFKP	grey	0.168336661	0.000258039	0.181727619	7.83E-05
PFN3	grey	-0.143368768	0.00189648	-0.151761021	0.00100234
PGA4	grey	-0.118810421	0.010177432	-0.121250546	0.008718281
PGA5	grey	-0.270744721	2.74E-09	-0.275221735	1.46E-09
PGAP3	grey	-0.06550818	0.157547445	-0.061666257	0.183414816
PGBD5	grey	-0.172484857	0.00018	-0.182083176	7.58E-05
PGF	grey	-0.208748705	5.38E-06	-0.194632973	2.28E-05
PGK2	grey	0.073564345	0.112369976	0.058616068	0.20608772
PGPEP1	grey	0.002910211	0.949988061	0.035754511	0.440803376
PGPEP1L	grey	-0.085188231	0.065864554	-0.098959729	0.032512108
PHACTR	grey	-0.137082833	0.00299285	-0.168537773	0.000253622
PHACTR	grey	-0.275093262	1.49E-09	-0.269596607	3.21E-09
PHC2	grey	-0.078132511	0.091697262	-0.06066173	0.190668778
PHEX	grey	0.035193183	0.448015292	0.017377861	0.707987274
PHF11	grey	0.113360656	0.014242635	0.129994952	0.004898496

PHGR1	grey	-0.022542076	0.627041878	-0.012191885	0.792725899
PHKA2	grey	-0.09359709	0.043210514	-0.120946761	0.008889161
PHLDA3	grey	0.255318989	2.20E-08	0.258984291	1.36E-08
PHLDB3	grey	0.190189857	3.52E-05	0.135145396	0.00343213
PHLPP1	grey	0.234081348	3.12E-07	0.202876055	9.94E-06
PHOSPH	grey	-0.26344079	7.46E-09	-0.254528676	2.44E-08
PHOX2A	grey	-0.166541915	0.000300776	-0.181386434	8.08E-05
PHOX2B	grey	-0.052402551	0.258404403	-0.062123996	0.180177793
PHYH	grey	-0.016335831	0.724764988	-0.022220916	0.631959763
PHYHD1	grey	0.192768134	2.74E-05	0.208472675	5.54E-06
PI4K2A	grey	0.100542874	0.029822908	0.122204709	0.008200432
PIEZO1	grey	-0.147821708	0.001357637	-0.128712754	0.005342092
PIGBOS1	grey	0.100860809	0.029306472	0.117781111	0.01085532
PIGH	grey	0.214229935	2.99E-06	0.194914433	2.22E-05
PIGZ	grey	0.013745977	0.76702315	0.014761421	0.750363988
PIK3C2G	grey	0.019483232	0.674523663	0.005448331	0.906523462
PILRB	grey	-0.103800259	0.024884337	-0.115219463	0.012718934
PIM1	grey	-0.210395813	4.52E-06	-0.219656038	1.65E-06
PIM3	grey	0.127983111	0.005610366	0.12353578	0.007523879
PIP	grey	0.160684652	0.000490677	0.19438887	2.34E-05
PIP4K2B	grey	-0.028201102	0.543241441	-0.071248054	0.124168067
PIP5KL1	grey	-0.232775303	3.64E-07	-0.256043726	2.00E-08
PIPOX	grey	-0.299080316	4.18E-11	-0.28548511	3.30E-10
PIR	grey	0.23478265	2.87E-07	0.214711362	2.84E-06
PISD	grey	-0.195686281	2.06E-05	-0.217054717	2.20E-06
PITPNC1	grey	0.2628613	8.07E-09	0.25874098	1.40E-08
PITPNM2	grey	-0.136488934	0.003121741	-0.132719911	0.0040642
PITRM1	grey	0.184013812	6.33E-05	0.189428408	3.79E-05
PITX2	grey	-0.066456632	0.151607461	-0.06069692	0.190411155
PITX3	grey	-0.07006281	0.130566722	-0.062711114	0.176088013
PIWIL1	grey	0.015996548	0.730256797	0.015519863	0.737995953
PIWIL4	grey	-0.269449972	3.28E-09	-0.269796197	3.12E-09
PKD1L1	grey	0.144986112	0.001681458	0.122147585	0.008230645
PKDCC	grey	0.226770912	7.34E-07	0.230084935	5.00E-07
PKDREJ	grey	0.030317548	0.513393926	0.010213655	0.825767432
PKIA	grey	-0.374826673	5.03E-17	-0.385059464	5.92E-18
PKIB	grey	-0.173696609	0.00016177	-0.164950634	0.000344107
PKNOX1	grey	-0.184945166	5.80E-05	-0.19619595	1.95E-05
PLA1A	grey	-0.055714542	0.22947655	-0.05450426	0.239768985
PLA2G15	grey	0.041300154	0.373201766	0.051108044	0.270368334
PLA2G16	grey	-0.176706099	0.000123705	-0.136812337	0.003050942
PLA2G2A	grey	-0.106963814	0.020780487	-0.111434222	0.015988941
PLA2G2C	grey	0.224450418	9.58E-07	0.208467748	5.55E-06
PLA2G4A	grey	0.283141669	4.66E-10	0.262157029	8.87E-09
PLA2G4F	grey	0.064868694	0.161650551	0.033748466	0.466880976

PLA2G6	grey	0.092556723	0.045597503	0.081741687	0.077618767
PLAC1	grey	-0.193492393	2.55E-05	-0.205506496	7.57E-06
PLAC8L1	grey	0.001205737	0.979268199	-0.003143615	0.945982888
PLAU	grey	0.044316336	0.339280886	0.08377703	0.070487386
PLAUR	grey	0.212561758	3.58E-06	0.223416552	1.08E-06
PLB1	grey	-0.019923885	0.667597561	-0.021909702	0.63674088
PLBD1	grey	-0.231990487	3.99E-07	-0.212672314	3.54E-06
PLCD3	grey	-0.212393238	3.65E-06	-0.208711722	5.41E-06
PLCD4	grey	-0.12440835	0.007107889	-0.125612672	0.00656756
PLCG2	grey	-0.137344185	0.002937679	-0.144911352	0.001690883
PLCH2	grey	-0.106063196	0.021884195	-0.118946352	0.010090777
PLCXD2	grey	0.017173958	0.71125952	0.01662613	0.720077224
PLD3	grey	-0.170820732	0.000208187	-0.183769013	6.48E-05
PLD5	grey	0.151405542	0.00103047	0.093873887	0.042593464
PLD6	grey	0.105327683	0.022822936	0.087312455	0.059378092
PLEK2	grey	0.049244604	0.288245984	0.04476988	0.334356233
PLEKHA	grey	-0.253079348	2.94E-08	-0.231738953	4.11E-07
PLEKHA	grey	0.095499732	0.039117104	0.107243243	0.020448027
PLEKHD	grey	0.109203201	0.018243409	0.09583185	0.038437332
PLEKHG	grey	-0.145396354	0.001630594	-0.144189494	0.001784406
PLEKHG	grey	-0.113813665	0.013857204	-0.137005161	0.003009427
PLEKHG	grey	-0.045019849	0.331661764	-0.07356646	0.112359624
PLEKHG	grey	-0.14031801	0.002371909	-0.141114935	0.002238209
PLEKHG	grey	0.073708766	0.111664596	0.052903037	0.253878424
PLEKHH	grey	0.27376086	1.79E-09	0.269822733	3.11E-09
PLEKHM	grey	0.322682428	8.90E-13	0.33460306	1.11E-13
PLEKHN	grey	-0.068976543	0.136652269	-0.050801201	0.273258834
PLGLB1	grey	-0.077825437	0.092983913	-0.077488204	0.094413531
PLGLB2	grey	-0.035233553	0.447494403	-0.056536239	0.222669748
PLIN1	grey	0.01432451	0.757518148	-0.010421761	0.822275929
PLIN3	grey	0.397931183	3.60E-19	0.399499357	2.54E-19
PLIN5	grey	0.05946127	0.199611085	0.036079057	0.436664057
PLK3	grey	-0.091991614	0.046939851	-0.07109624	0.124973767
PLP2	grey	-0.028914995	0.533078151	0.005297398	0.909101642
PLTP	grey	-0.310456658	6.82E-12	-0.292605831	1.13E-10
PLXNA2	grey	0.122283159	0.008159102	0.13299298	0.003988122
PLXNA4	grey	-0.206338086	6.94E-06	-0.21029363	4.57E-06
PLXNB3	grey	0.045584514	0.325626775	0.024488856	0.597589874
PMAIP1	grey	0.050175015	0.279222735	0.010872996	0.814717427
PMEL	grey	-0.073337214	0.113486404	-0.083811581	0.070371116
PMFBP1	grey	0.010290116	0.824484203	0.008216835	0.859434222
PNCK	grey	-0.137524879	0.002900077	-0.131639941	0.004378119
PNMA2	grey	-0.215916051	2.49E-06	-0.216042144	2.45E-06
PNMA3	grey	-0.493292179	5.21E-30	-0.504443736	1.63E-31
PNMA6A	grey	-0.353389633	3.50E-15	-0.354462387	2.85E-15

PNMAL1 grey	-0.345086352	1.66E-14	-0.360054098	9.68E-16
PNMT grey	-0.178254884	0.000107567	-0.196623886	1.87E-05
PNOC grey	-0.336395175	8.09E-14	-0.318503916	1.80E-12
PNPLA3 grey	0.120806771	0.008968905	0.089114303	0.054298751
PNPLA4 grey	0.027748663	0.549731963	0.053598969	0.247676874
PNPLA5 grey	-0.223822824	1.03E-06	-0.227756974	6.55E-07
PODNL1 grey	-0.07253625	0.117493056	-0.040057111	0.387770145
POF1B grey	-0.020603704	0.656967614	-0.016756361	0.717977642
POLM grey	-0.097896779	0.034431637	-0.114838977	0.013018568
POLN grey	0.095615586	0.038878828	0.090579894	0.050438641
POLR2F grey	-0.180077464	9.11E-05	-0.184385604	6.11E-05
POLR2J2 grey	-0.03235529	0.485482101	-0.048021236	0.300405557
POLR2J3 grey	-0.109985651	0.017422995	-0.111582874	0.015847802
POM121I grey	0.0373527	0.420637077	0.031956922	0.490873532
POM121I grey	-0.13062532	0.004692831	-0.118498415	0.010378834
POM121I grey	0.048356363	0.297041187	0.052651314	0.256147871
POMC grey	0.064176121	0.166184427	0.054228766	0.242156464
POMGNT grey	0.068000173	0.142306229	0.055348117	0.232559056
POMT1 grey	0.124718556	0.006965037	0.123006464	0.007786703
POMZP3 grey	0.061700777	0.18316921	0.078764321	0.089094824
PON1 grey	-0.023480912	0.612760687	-0.012528841	0.787132912
POPDC3 grey	-0.081724959	0.077679722	-0.10085171	0.029321145
POTEB2 grey	0.024660063	0.595029987	0.03455172	0.456337999
POU3F2 grey	-0.017520613	0.705699582	-0.023873515	0.606831341
POU3F3 grey	-0.025987111	0.575359533	-0.032718054	0.480600461
POU3F4 grey	-0.073605763	0.112167324	-0.072254069	0.118930674
POU4F2 grey	-0.075363509	0.103828795	-0.069393688	0.13429001
POU4F3 grey	-0.065187904	0.159592475	-0.079192633	0.087364573
POU5F1 grey	-0.023179785	0.617325706	-0.022409482	0.629070288
POU5F1E grey	0.100025417	0.03068011	0.057056755	0.218433121
PPAN-P2 grey	0.163461997	0.00038985	0.128915111	0.005269763
PPAPDC1 grey	-0.187468158	4.57E-05	-0.178379241	0.000106361
PPARG grey	0.107936614	0.019642968	0.066620423	0.150599112
PPARGC grey	-0.312547691	4.85E-12	-0.333397988	1.38E-13
PPARGC grey	-0.195123435	2.17E-05	-0.185897241	5.30E-05
PPBP grey	0.054875456	0.236578356	0.050411559	0.27695957
PPFIA2 grey	-0.125208952	0.006744444	-0.127701052	0.005717279
PPFIBP2 grey	0.031716967	0.494136444	0.04193796	0.365859655
PPIAL4B grey	0.011596998	0.802625998	0.008307205	0.857904559
PPIAL4C grey	0.140975261	0.002261133	0.123607153	0.007489053
PPIAL4E grey	-0.065058429	0.160424857	-0.046106721	0.320109329
PPIAL4F grey	-0.025343975	0.584854309	-0.019515199	0.674020267
PPIC grey	0.059197611	0.201615353	0.100177947	0.030425268
PPIL3 grey	0.115554792	0.012459921	0.087138851	0.059887581
PPM1J grey	0.130922654	0.004598554	0.118618582	0.01030085

PPM1N grey	-0.069680626	0.132683463	-0.081549482	0.078321453
PPME1 grey	0.335131536	1.01E-13	0.340617424	3.77E-14
PPP1R10 grey	0.222547779	1.19E-06	0.186543931	4.99E-05
PPP1R11 grey	-0.112431437	0.015062849	-0.107837661	0.019756146
PPP1R14l grey	-0.01681962	0.71695855	-0.02204345	0.634684283
PPP1R15l grey	-0.036223608	0.434827642	-0.051188107	0.269617587
PPP1R17 grey	-0.029117646	0.5302107	-0.051054117	0.270874814
PPP1R1A grey	-0.050619319	0.27498209	-0.059101354	0.202350708
PPP1R1B grey	0.199302514	1.43E-05	0.201523713	1.14E-05
PPP1R1C grey	-0.088980645	0.054662692	-0.060327372	0.193129362
PPP1R26 grey	0.082349477	0.075430363	0.066443828	0.151686505
PPP1R37 grey	0.125731919	0.006516116	0.125238751	0.006731244
PPP1R3E grey	-0.115851896	0.012234336	-0.118374431	0.010459842
PPP1R3F grey	-0.229907535	5.10E-07	-0.208174968	5.72E-06
PPP1R3G grey	-0.104101294	0.024465796	-0.102740213	0.026407733
PPP1R9B grey	0.118297147	0.010510621	0.108665178	0.018826915
PPP2R2B grey	-0.298302399	4.72E-11	-0.30517263	1.60E-11
PPP2R2C grey	-0.005267327	0.909615422	-0.023644026	0.610294136
PPP2R2D grey	-0.011164174	0.809849041	0.009562653	0.836711566
PPP2R5B grey	0.16312187	0.000401067	0.162449677	0.000424126
PPP4R4 grey	-0.21233027	3.67E-06	-0.213323207	3.30E-06
PPP6R2 grey	0.218463981	1.88E-06	0.220256451	1.54E-06
PPT2-EGl grey	-0.137975425	0.00280822	-0.161266349	0.00046774
PPY grey	-0.13328693	0.003907668	-0.13325103	0.003917415
PQLC2L grey	-0.225774776	8.23E-07	-0.200596129	1.26E-05
PRAC1 grey	-0.027757574	0.549603764	-0.032891266	0.478279012
PRAC2 grey	0.246693564	6.65E-08	0.246168568	7.10E-08
PRAMEF grey	-0.052551813	0.257048804	-0.064653672	0.163048097
PRAP1 grey	-0.19549282	2.10E-05	-0.197937594	1.64E-05
PRCD grey	0.00412958	0.929080164	-0.009647707	0.835279869
PRDM12 grey	-0.026092492	0.573810724	-0.014500674	0.754631039
PRDM13 grey	0.033506422	0.470084088	0.047085171	0.309936409
PRDM15 grey	-0.206526871	6.80E-06	-0.209971015	4.73E-06
PRDM16 grey	-0.041953854	0.365677844	-0.070368215	0.128894076
PRDM6 grey	-0.236626433	2.30E-07	-0.229816871	5.16E-07
PRG2 grey	-0.178378851	0.000106365	-0.185824196	5.34E-05
PRG4 grey	-0.051870207	0.263279331	-0.0553563	0.2324899
PRH1-PR grey	-0.053042048	0.252631148	-0.102734574	0.026416047
PRICKLE grey	-0.170048966	0.000222617	-0.184395679	6.11E-05
PRKAB1 grey	0.169305694	0.000237394	0.176834397	0.000122286
PRKACA grey	-0.071922325	0.120638342	-0.076117522	0.100405821
PRKAR1l grey	-0.2215146	1.34E-06	-0.214263132	2.98E-06
PRKCG grey	-0.203250586	9.56E-06	-0.20736602	6.23E-06
PRKCQ grey	-0.156185441	0.000706721	-0.183672014	6.54E-05
PRKG2 grey	-0.017606199	0.704329269	-0.034298203	0.459651004

PRKX	grey	0.07120132	0.124415661	0.077204358	0.095630388
PRL	grey	-0.106696413	0.021103025	-0.113152156	0.014423178
PRLH	grey	0.202312876	1.05E-05	0.221628986	1.32E-06
PRM3	grey	-0.10310915	0.02586866	-0.095319314	0.039490626
PRMT2	grey	-0.104304193	0.024187139	-0.085550905	0.064717609
PROCA1	grey	-0.123833129	0.007379738	-0.116814029	0.011528366
PRODH	grey	0.152758452	0.000927151	0.144510905	0.001742194
PROK2	grey	-0.109234513	0.018209941	-0.127899692	0.005641797
PROKR1	grey	-0.023692888	0.609556108	-0.025875364	0.577004051
PROKR2	grey	-0.195178506	2.16E-05	-0.195607094	2.07E-05
PROL1	grey	0.024649237	0.59519171	0.013167595	0.7765607
PROM1	grey	0.051373226	0.267887179	0.035744441	0.440932161
PRORY	grey	-0.06705503	0.147948245	-0.075275263	0.104235373
PROZ	grey	0.013377325	0.773098284	0.04080229	0.378995676
PRPH	grey	0.022890578	0.621723948	0.032872343	0.478532326
PRPS1L1	grey	-0.017672602	0.703266752	-0.029034857	0.531381195
PRR14	grey	0.066070213	0.154006675	0.050959683	0.2717633
PRR23D1	grey	-0.066980168	0.148402313	-0.079023891	0.088042987
PRR23D2	grey	-0.061100791	0.187472717	-0.060193902	0.19411805
PRR27	grey	0.042044917	0.364637263	0.038987932	0.400573174
PRR35	grey	-0.003433868	0.941004122	-0.043821067	0.344711285
PRR5L	grey	0.145930173	0.001566521	0.161648762	0.000453209
PRRT3	grey	-0.005053744	0.913265665	-0.008554294	0.853724926
PRRT4	grey	-0.206234034	7.02E-06	-0.206726015	6.66E-06
PRSS1	grey	-0.236449172	2.35E-07	-0.224846593	9.16E-07
PRSS16	grey	0.09667351	0.03675932	0.111126682	0.01628444
PRSS21	grey	-0.29295605	1.07E-10	-0.30285999	2.31E-11
PRSS3	grey	-0.131318028	0.004475839	-0.125206082	0.006745716
PRSS33	grey	-0.002664545	0.954204988	-0.005353726	0.908139355
PRSS36	grey	0.001246392	0.978569327	0.017072766	0.712885424
PRSS45	grey	-0.127531064	0.005782593	-0.148794115	0.00126052
PRSS50	grey	-0.294064398	9.07E-11	-0.314605183	3.45E-12
PRSS53	grey	0.06343011	0.171174059	0.047720292	0.303448245
PRSS56	grey	0.090920499	0.049575149	0.108779881	0.018701169
PRSS57	grey	-0.192518146	2.81E-05	-0.184870879	5.84E-05
PRTN3	grey	-0.04705015	0.310296814	-0.027145195	0.558447961
PRY	grey	0.078070746	0.091954908	0.06391107	0.167944565
PSAP	grey	0.044246518	0.340043082	0.041380101	0.372276508
PSAPL1	grey	-0.125424072	0.006649668	-0.108003946	0.01956628
PSCA	grey	0.123503043	0.007539901	0.166578633	0.000299839
PSD2	grey	-0.144557797	0.001736112	-0.149485296	0.001195423
PSEN2	grey	0.048145649	0.299153621	0.039112871	0.39906414
PSG4	grey	-0.065986289	0.154531531	-0.087379837	0.059181308
PSMF1	grey	-0.125787946	0.00649207	-0.115036418	0.012862315
PSORS1C	grey	-0.059520053	0.199166215	-0.065848393	0.155396857

PSPN	grey	0.174010117	0.000157344	0.194565196	2.30E-05
PSTK	grey	-0.254556516	2.43E-08	-0.283047293	4.72E-10
PSTPIP2	grey	0.117741148	0.010882427	0.100842569	0.029335891
PTCHD2	grey	0.124497267	0.007066677	0.095356362	0.03941368
PTCHD4	grey	0.139288134	0.002555481	0.129783801	0.004969183
PTF1A	grey	0.095828531	0.038444074	0.078344761	0.090816291
PTGER1	grey	-0.179342253	9.74E-05	-0.188881926	3.99E-05
PTGES	grey	-0.270859839	2.69E-09	-0.24811297	5.55E-08
PTGES3L	grey	-0.071276862	0.124015635	-0.089489087	0.053288976
PTGR1	grey	0.094462238	0.041306522	0.090089398	0.051704175
PTGS1	grey	-0.340879091	3.60E-14	-0.329994234	2.51E-13
PTGS2	grey	0.237335217	2.11E-07	0.207311112	6.27E-06
PTH	grey	-0.029990731	0.517946711	-0.01703803	0.713443839
PTH2	grey	0.060443041	0.192275523	0.053030071	0.252738441
PTH2R	grey	-0.053034955	0.252694685	-0.053633912	0.247368306
PTHLH	grey	0.079409706	0.08649804	0.057490434	0.214947618
PTK6	grey	0.140048132	0.002418813	0.151298531	0.001039079
PTK7	grey	-0.00435032	0.925300037	-0.025892074	0.576758004
PTP4A3	grey	-0.348944979	8.10E-15	-0.343307239	2.31E-14
PTPLA	grey	-0.253342845	2.84E-08	-0.219447478	1.68E-06
PTPN18	grey	0.189859372	3.64E-05	0.219913926	1.60E-06
PTPN20A	grey	-0.293614317	9.72E-11	-0.301966291	2.66E-11
PTPN5	grey	-0.162718054	0.000414775	-0.167853081	0.000268959
PTPRH	grey	0.108756818	0.018726394	0.129265441	0.005146627
PTPRM	grey	-0.268480199	3.75E-09	-0.264027678	6.89E-09
PTPRN	grey	-0.004709238	0.919157277	0.018403191	0.691615172
PTPRS	grey	0.004120422	0.929237033	0.011405587	0.805818274
PTPRU	grey	-0.201661974	1.13E-05	-0.193324818	2.60E-05
PTPRZ1	grey	0.018123071	0.696074164	0.024003433	0.604874878
PTRH1	grey	-0.149963493	0.001152213	-0.173821979	0.000159986
PTTG1IP	grey	-0.047111979	0.309660715	-0.055585305	0.230560415
PTX3	grey	-0.391260143	1.56E-18	-0.406444941	5.28E-20
PVALB	grey	-0.232678133	3.68E-07	-0.232152278	3.92E-07
PWP2	grey	-0.079352853	0.086724321	-0.085694106	0.064269284
PXDC1	grey	-0.446418995	2.97E-24	-0.446541785	2.88E-24
PXDNL	grey	-0.121755875	0.008440507	-0.115645819	0.012390419
PXMP4	grey	-0.05235592	0.258828914	-0.004424731	0.924026149
PXN	grey	-0.160581063	0.000494869	-0.157237053	0.00064951
PYCR2	grey	0.158184028	0.000601695	0.144857094	0.001697753
PYDC1	grey	-0.1816331	7.90E-05	-0.184137786	6.26E-05
PYGB	grey	0.211634564	3.96E-06	0.223194183	1.11E-06
PYGL	grey	0.189681166	3.70E-05	0.159511889	0.000540132
PYROXD	grey	0.00918791	0.843025916	0.010741482	0.816918629
QDPR	grey	0.092058929	0.046778233	0.049165836	0.289018785
QPCT	grey	-0.123776835	0.007406836	-0.131757247	0.004342991

QPRT	grey	-0.231323579	4.32E-07	-0.193132311	2.64E-05
QRFP	grey	-0.131753031	0.004344249	-0.134869283	0.003499287
QSOX1	grey	0.113874517	0.013806135	0.126570024	0.006164624
QSOX2	grey	0.023829925	0.607488412	-0.024040148	0.604322484
RAB11F1	grey	0.270813426	2.71E-09	0.249231774	4.82E-08
RAB34	grey	-0.017648376	0.703654334	-0.015797976	0.733477404
RAB38	grey	-0.026261234	0.571334776	-0.020561619	0.657623697
RAB3A	grey	0.023545295	0.611786577	0.024373686	0.599314698
RAB3B	grey	0.094241445	0.041785578	0.093529316	0.043362742
RAB40B	grey	-0.028216803	0.543016877	-0.053245698	0.250811591
RAB4B-E	grey	0.075334015	0.103964544	0.086515054	0.061748196
RAB6B	grey	-0.24707976	6.33E-08	-0.267209004	4.47E-09
RAB7B	grey	-0.054108797	0.243201328	-0.021887301	0.637085604
RABGEF	grey	-0.055384603	0.232250823	-0.064824155	0.16193929
RAC1	grey	0.079260994	0.087090932	0.117351824	0.011149664
RAD51A	grey	0.077323665	0.0951174	0.088352374	0.056400699
RAD51D	grey	0.303285658	2.16E-11	0.27593687	1.32E-09
RAD51L3	grey	-0.028861378	0.533838129	-0.041212123	0.374222236
RAET1G	grey	0.043259306	0.350937245	0.060483728	0.191975838
RAG2	grey	-0.076102599	0.100472687	-0.083278393	0.07218295
RAI2	grey	-0.218695258	1.83E-06	-0.19767216	1.69E-05
RALGDS	grey	0.195346333	2.13E-05	0.177235478	0.000117949
RALYL	grey	-0.157633168	0.000629096	-0.169086029	0.000241934
RAP1GA	grey	0.062410484	0.17817345	0.087291679	0.059438874
RAPGEF1	grey	-0.171748705	0.000191996	-0.18436062	6.13E-05
RAPGEF1	grey	0.239022405	1.72E-07	0.241239851	1.31E-07
RAPSN	grey	-0.125443162	0.006641316	-0.123137814	0.00772073
RARG	grey	-0.223144302	1.11E-06	-0.23186538	4.05E-07
RARRES	grey	-0.24608148	7.18E-08	-0.233290722	3.42E-07
RASAL1	grey	-0.188233714	4.25E-05	-0.162019029	0.00043954
RASGEF1	grey	0.008364717	0.856931364	-0.010854504	0.815026846
RASGEF1	grey	-0.127895002	0.005643569	-0.142500565	0.002022023
RASL10A	grey	-0.004870665	0.916396033	0.008900842	0.847869789
RASL10B	grey	-0.260480674	1.11E-08	-0.26462352	6.36E-09
RASSF1	grey	0.072514301	0.117604386	0.081877251	0.077126242
RASSF10	grey	-0.252943311	2.99E-08	-0.279635505	7.75E-10
RAX	grey	-0.143760926	0.001842149	-0.132178449	0.004218949
RAX2	grey	-0.098891256	0.032632946	-0.083453209	0.071584754
RBAK-R1	grey	-0.004968924	0.914715803	-0.029928454	0.518816632
RBFA	grey	0.117743618	0.01088075	0.123284966	0.007647412
RBM11	grey	-0.395943904	5.59E-19	-0.405754393	6.18E-20
RBM19	grey	-0.039441452	0.395111805	-0.051059576	0.270823521
RBM3	grey	0.203501709	9.32E-06	0.203366721	9.45E-06
RBM4B	grey	0.108632185	0.018863221	0.093432667	0.043580608
RBP1	grey	-0.1448602	0.001697359	-0.123983049	0.007308005



RBP2	grey	-0.115566372	0.01245106	-0.092689587	0.045286626
RBP4	grey	-0.100249323	0.030306639	-0.081408211	0.078841212
RCAN1	grey	0.142490746	0.002023485	0.15605531	0.000714116
RCVRN	grey	-0.17161707	0.000194219	-0.169417048	0.000235123
RD3	grey	-0.082594944	0.074560888	-0.085996884	0.063329784
RDH10	grey	0.173008903	0.000171892	0.167787601	0.00027047
RDH11	grey	0.209546108	4.95E-06	0.193828557	2.47E-05
RDH13	grey	-0.057390882	0.215744169	-0.053826901	0.245668914
RDH16	grey	-0.284527498	3.80E-10	-0.277368486	1.07E-09
RDH5	grey	-0.002702449	0.953554266	-0.011825337	0.798822151
REC8	grey	-0.023533399	0.611966524	-0.015029775	0.745980404
RECQL5	grey	-0.208222297	5.69E-06	-0.22160188	1.32E-06
REEP2	grey	-0.211880114	3.86E-06	-0.2220522	1.26E-06
REG1A	grey	-0.113970334	0.013726059	-0.11493941	0.012938879
REG1B	grey	-0.007850037	0.865648203	-0.003176831	0.945413026
REG3A	grey	0.035192478	0.448024399	0.022608239	0.626030773
REG3G	grey	-0.11454185	0.013256868	-0.11866414	0.010271421
REG4	grey	-0.010811324	0.815749478	-1.50E-05	0.999742692
RELA	grey	0.100358641	0.030125718	0.096260548	0.037574701
RELL2	grey	0.001476443	0.974615027	-0.012504518	0.787536268
RELN	grey	-0.230178436	4.94E-07	-0.248804483	5.09E-08
REN	grey	-0.006245714	0.892919752	0.037116037	0.423588829
REP15	grey	-0.247886926	5.72E-08	-0.261058259	1.03E-08
REPIN1	grey	0.225977145	8.04E-07	0.229123165	5.59E-07
RET	grey	0.019503938	0.67419758	-0.011490927	0.804394603
REXO1	grey	0.179395321	9.70E-05	0.179696318	9.43E-05
RFPL2	grey	0.011060229	0.811586132	-0.003426747	0.941126247
RFPL3	grey	-0.038707359	0.403974411	-0.040109601	0.387148058
RFPL3S	grey	-0.091806741	0.047386126	-0.107827869	0.019767376
RFX4	grey	-0.075147507	0.104826219	-0.065980341	0.154568778
RFX8	grey	-0.081247439	0.079436114	-0.065414113	0.158146018
RGL2	grey	0.141927487	0.002109006	0.117800221	0.010842378
RGL3	grey	0.038774019	0.403164763	0.011997538	0.795956636
RGPD2	grey	-0.007854158	0.865578352	-0.028781813	0.534966886
RGPD3	grey	0.041728352	0.368262589	-0.002763304	0.952509598
RGPD4	grey	-0.049312626	0.287579734	-0.054477178	0.240002945
RGR	grey	0.274051375	1.72E-09	0.285227231	3.43E-10
RGS10	grey	0.154698184	0.00079563	0.136966493	0.003017711
RGS11	grey	-0.065377397	0.158380121	-0.054502493	0.239784239
RGS14	grey	-0.045715401	0.324238119	-0.040325849	0.38459163
RGS16	grey	-0.049554357	0.285220446	-0.032876806	0.478472586
RGS20	grey	0.002271637	0.96095198	-0.011830493	0.798736324
RGS3	grey	0.254589607	2.42E-08	0.26537534	5.74E-09
RGS7	grey	0.06490093	0.161441809	0.05556028	0.230770711
RGS8	grey	-0.104695103	0.023657999	-0.093602563	0.043198241

RGS9BP grey	-0.15463253	0.000799783	-0.153038443	0.000907001
RHBDF1 grey	0.207590682	6.08E-06	0.222777936	1.16E-06
RHBDF2 grey	-0.153302166	0.000888392	-0.138998638	0.002609366
RHBDL2 grey	0.112876759	0.014664731	0.112222323	0.01525305
RHBDL3 grey	-0.056146271	0.225882001	-0.102656005	0.026532121
RHBG grey	-0.094225407	0.041820557	-0.099151908	0.032174997
RHCE grey	-0.166222198	0.000309051	-0.148911365	0.001249253
RHO grey	-0.147109122	0.001433121	-0.148857642	0.001254404
RHOD grey	0.129464473	0.005077831	0.128873693	0.005284495
RHOF grey	-0.164972745	0.000343467	-0.158478906	0.000587487
RHOXF1 grey	-0.157581312	0.000631734	-0.15739827	0.000641128
RHOXF2 grey	-0.097180891	0.035778124	-0.098068831	0.034114541
RHOXF2]grey	-0.068261073	0.140778173	-0.069179316	0.135500018
RIC8A grey	0.128924698	0.005266359	0.125278339	0.006713743
RIMBP2 grey	0.043928909	0.343524164	0.04854982	0.295110537
RIMBP3 grey	0.025357632	0.58465193	-0.003980818	0.931628591
RIMBP3Egrey	0.055641724	0.23008681	0.043010526	0.353717013
RIMBP3Cgrey	0.037288923	0.421431343	0.061265095	0.186286883
RIMKLA grey	0.324450899	6.57E-13	0.292049876	1.23E-10
RIMS1 grey	-0.185135223	5.70E-05	-0.200290061	1.29E-05
RIMS2 grey	0.07560722	0.102712457	0.037263459	0.421748709
RIMS4 grey	-0.195418629	2.11E-05	-0.227755781	6.55E-07
RINL grey	-0.196148785	1.96E-05	-0.191365166	3.14E-05
RIPK2 grey	0.141750411	0.002136568	0.132998811	0.003986511
RIPK3 grey	0.00034474	0.994071822	0.005794683	0.900610948
RIPPLY1 grey	-0.004487677	0.922948679	-0.004867264	0.916454212
RIPPLY2 grey	-0.138031179	0.002797039	-0.122815649	0.007883442
RIPPLY3 grey	0.204403149	8.49E-06	0.226407455	7.66E-07
RLBP1 grey	0.005672881	0.902689601	-0.011843048	0.798527309
RLN1 grey	-0.220914152	1.43E-06	-0.193237255	2.62E-05
RLN2 grey	-0.194728259	2.26E-05	-0.183393568	6.71E-05
RMND5Bgrey	0.054848724	0.236807127	0.053943887	0.244642758
RNASE1 grey	-0.144862662	0.001697047	-0.10801949	0.019548614
RNASE1(grey	-0.012397197	0.789316723	-0.047591397	0.304757662
RNASE1]grey	-0.161067816	0.000475454	-0.154403404	0.000814437
RNASEK grey	0.216237521	2.40E-06	0.220384707	1.52E-06
RNASEK.grey	0.196956936	1.81E-05	0.218329775	1.91E-06
RND1 grey	0.060368394	0.192826228	0.036453188	0.431920145
RND2 grey	-0.158104484	0.000605582	-0.167962952	0.000266441
RNF10 grey	0.101347853	0.028530224	0.12156236	0.008545934
RNF103-(grey	-0.051683067	0.265007989	-0.035517792	0.443836612
RNF128 grey	0.067646058	0.144400508	0.047976665	0.300854903
RNF130 grey	-0.066137172	0.153588894	-0.08381877	0.070346944
RNF144Bgrey	-0.011344198	0.80684278	-0.024212627	0.601730524
RNF151 grey	-0.070171122	0.129971605	-0.058829276	0.204439773

RNF157	grey	-0.181444453	8.04E-05	-0.197798142	1.67E-05
RNF165	grey	-0.316709783	2.43E-12	-0.326886725	4.32E-13
RNF17	grey	-0.066891505	0.148941457	-0.074973124	0.105636981
RNF175	grey	0.151556219	0.001018459	0.146073585	0.001549706
RNF182	grey	-0.28965422	1.77E-10	-0.312493368	4.89E-12
RNF186	grey	-0.041369971	0.372393669	-0.042381234	0.360810191
RNF207	grey	-0.148198592	0.001319208	-0.15880602	0.000572089
RNF212	grey	-0.389789021	2.15E-18	-0.402007498	1.45E-19
RNF215	grey	-0.063576835	0.170183973	-0.088759549	0.055269168
RNF223	grey	0.305257129	1.58E-11	0.30284408	2.32E-11
RNF224	grey	0.015836933	0.732845197	0.013691343	0.767922587
RNF225	grey	0.037278131	0.421565821	0.031622995	0.495417414
RNF24	grey	0.037165082	0.422976131	0.047724134	0.303409268
RNF39	grey	0.146093088	0.001547432	0.177137059	0.000118999
RNLS	grey	-0.46813991	8.24E-27	-0.447955741	1.98E-24
ROBO3	grey	-0.369931284	1.36E-16	-0.375929106	4.01E-17
ROM1	grey	-0.174133186	0.000155638	-0.184949771	5.80E-05
ROPN1	grey	0.027925681	0.547187999	0.022257126	0.63140447
ROR2	grey	0.003454981	0.940642063	-0.009633288	0.835522544
RORC	grey	0.123122682	0.007728304	0.106596014	0.021225243
ROS1	grey	0.017633943	0.703885268	0.019285298	0.67764375
RP1-130F	grey	-0.153913457	0.000846607	-0.17608295	0.000130818
RP1-138E	grey	-0.023196403	0.617073394	-0.032311901	0.486067759
RP1-309K	grey	0.021346728	0.64542805	0.014640115	0.752348195
RP1-317E	grey	0.107506235	0.020139357	0.092311403	0.046176217
RP1-4G17	grey	-0.005019887	0.913844477	0.004545826	0.921953439
RP11-101	grey	0.017452657	0.706788285	0.036229852	0.434748413
RP11-102	grey	-0.066116885	0.153715378	-0.066829053	0.149322115
RP11-106	grey	-0.056298997	0.224620059	-0.054074672	0.243499115
RP11-108	grey	0.07758084	0.094019083	0.113487724	0.014133583
RP11-108	grey	0.032839084	0.478977734	0.029988785	0.517973885
RP11-109	grey	0.062871924	0.174979963	0.042393228	0.360674177
RP11-121	grey	-0.015147369	0.744062062	-0.021429258	0.644151487
RP11-122	grey	-0.077181237	0.09573006	-0.069703163	0.13255791
RP11-123	grey	0.158523713	0.000585355	0.131044737	0.004560342
RP11-125	grey	0.060436901	0.192320775	0.056364068	0.224083917
RP11-145	grey	0.043248196	0.351061092	0.034486844	0.457184536
RP11-152	grey	-0.008330838	0.857504634	-0.014183495	0.759831643
RP11-155	grey	0.06941419	0.134174725	0.065256179	0.159154856
RP11-156	grey	-0.039833499	0.390427047	-0.041439905	0.371585288
RP11-159	grey	0.043013297	0.353685985	0.042512972	0.359317975
RP11-162	grey	0.041380061	0.372276965	0.007928195	0.864323407
RP11-166	grey	-0.103057435	0.025943647	-0.102381953	0.026940435
RP11-176	grey	-0.203008862	9.81E-06	-0.18257821	7.24E-05
RP11-178	grey	0.099070472	0.032317481	0.060989419	0.188279672

RP11-178 grey	0.130942736	0.004592248	0.112793988	0.014738021
RP11-192 grey	0.030065022	0.516909955	0.014562405	0.753620153
RP11-195 grey	-0.056132858	0.225993071	-0.059552777	0.19891888
RP11-195 grey	-0.074895871	0.105997733	-0.075612541	0.102688192
RP11-196 grey	0.11258549	0.014924066	0.100231456	0.030336298
RP11-201 grey	-0.013180096	0.776354212	0.010042659	0.828638909
RP11-20L grey	0.043357998	0.349838337	0.039699875	0.392019997
RP11-20L grey	0.016235749	0.726383515	-0.002721453	0.953228015
RP11-212 grey	-0.119507773	0.009739776	-0.110572423	0.01682909
RP11-214 grey	-0.01698017	0.714374356	-0.019217149	0.678719292
RP11-215 grey	-0.062997955	0.174115187	-0.061167048	0.186993853
RP11-216 grey	0.13215253	0.004226489	0.108146622	0.019404641
RP11-229 grey	0.062571645	0.177053224	0.050747587	0.273766041
RP11-234 grey	-0.028741952	0.535532834	-0.039023827	0.400139277
RP11-240 grey	-0.096919548	0.036280704	-0.117033464	0.011372492
RP11-249 grey	-0.027528796	0.552899799	0.01519933	0.743214914
RP11-257 grey	-0.071088652	0.125014144	-0.028445809	0.539746879
RP11-26J grey	0.111178805	0.016234023	0.082199096	0.075967094
RP11-277 grey	-0.026982508	0.560809087	-0.014373933	0.756707833
RP11-295 grey	-0.025662394	0.580144332	-0.026665907	0.565417772
RP11-298 grey	0.035602196	0.442753728	0.04032213	0.384635507
RP11-302 grey	-0.107813667	0.019783674	-0.121012591	0.00885188
RP11-302 grey	-0.040877175	0.378120689	-0.042898048	0.354978345
RP11-315 grey	-0.026347867	0.570065583	-0.019536783	0.673680473
RP11-318 grey	-0.036743089	0.428264809	-0.029280233	0.527915787
RP11-322 grey	0.08578523	0.063985333	0.076109138	0.100443382
RP11-330 grey	-0.072741227	0.116457316	-0.064185713	0.166120995
RP11-343 grey	-0.035717722	0.441273993	-0.037081242	0.424023817
RP11-343 grey	0.098522193	0.033290875	0.066995015	0.148312173
RP11-345 grey	-0.075005222	0.105487375	-0.087101467	0.059997767
RP11-347 grey	-0.187247933	4.67E-05	-0.155872845	0.000724607
RP11-350 grey	0.01759275	0.704544538	0.014355334	0.757012743
RP11-35N grey	0.07599576	0.100952428	0.059038853	0.202829228
RP11-38C grey	0.02100841	0.650671974	0.026285727	0.570975808
RP11-392 grey	0.012638079	0.785322055	-0.000801809	0.986212597
RP11-403 grey	0.031146782	0.501935981	0.037533663	0.41838818
RP11-404 grey	-0.081310314	0.079203029	-0.071899328	0.120757421
RP11-407 grey	0.022549653	0.626926056	0.00993615	0.830428642
RP11-411 grey	0.026209407	0.57209469	0.023041017	0.619434394
RP11-426 grey	0.110219878	0.017183759	0.086641644	0.061366802
RP11-432 grey	0.000865343	0.985120223	-0.026327011	0.57037101
RP11-438 grey	-0.024070983	0.60385875	-0.007702973	0.868141999
RP11-447 grey	-0.002903968	0.950095197	-0.007410557	0.873104392
RP11-45N grey	-0.008917694	0.847585265	-0.02068302	0.655731834
RP11-463 grey	0.069122193	0.135823858	0.045377017	0.327836119

RP11-468 grey	0.00967083	0.834890739	0.017511259	0.705849391
RP11-468 grey	-0.024320583	0.600110738	-0.021032373	0.650299973
RP11-468 grey	0.069578476	0.133253684	0.055817127	0.228618788
RP11-475 grey	0.117016605	0.011384401	0.106989446	0.020749797
RP11-47L grey	0.060044402	0.195229873	0.064093121	0.166734115
RP11-512 grey	-0.101725257	0.027940922	-0.092095272	0.046691171
RP11-514 grey	-0.066452701	0.151631726	-0.083055949	0.072950013
RP11-514 grey	0.0164577	0.722795777	0.014764038	0.750321211
RP11-51L grey	0.027394933	0.554832844	0.0310545	0.503204388
RP11-529 grey	0.072382316	0.118275605	0.055521253	0.231098941
RP11-540 grey	0.176908848	0.00012147	0.141981251	0.002100703
RP11-542 grey	0.098603197	0.033145509	0.084836805	0.066991808
RP11-548 grey	-0.009151063	0.843647323	-0.061697295	0.183193976
RP11-54C grey	-0.088243161	0.056707448	-0.072163868	0.11939311
RP11-552 grey	0.136564749	0.003105011	0.140274846	0.002379355
RP11-565 grey	0.001890808	0.967494214	-0.031456442	0.497692123
RP11-574 grey	0.017650968	0.70361286	-0.013262595	0.774991797
RP11-598 grey	0.058718675	0.205293445	0.046044998	0.320758274
RP11-5A1 grey	0.100291466	0.030236783	0.08888541	0.054923244
RP11-603 grey	0.059773355	0.197257495	0.063710491	0.169285804
RP11-613 grey	0.005980593	0.897439548	-0.003594691	0.938246486
RP11-618 grey	0.000117825	0.997973854	-0.027706095	0.550344589
RP11-637 grey	0.00755292	0.870687809	-0.016776656	0.717650633
RP11-644 grey	-0.132759809	0.004053003	-0.136348104	0.003153035
RP11-683 grey	-0.016184687	0.727209765	-0.05264546	0.256200816
RP11-724 grey	-0.013442525	0.772022809	0.001007212	0.982681121
RP11-73Λ grey	0.061785933	0.182564377	0.08981137	0.052433203
RP11-745 grey	0.029041075	0.531293241	0.015678921	0.735410604
RP11-762 grey	0.062221781	0.179491792	0.054747179	0.237677568
RP11-77K grey	0.119295115	0.009871433	0.094916497	0.040335488
RP11-793 grey	0.164736187	0.000350373	0.170121295	0.000221226
RP11-795 grey	-0.093432366	0.043581288	-0.124253577	0.007180139
RP11-831 grey	0.008937182	0.847256281	0.007040814	0.879386168
RP11-834 grey	0.046977468	0.311045662	0.032117777	0.488692703
RP11-864 grey	0.097538244	0.035100499	0.102533979	0.026713267
RP11-872 grey	-0.167894569	0.000268005	-0.178294726	0.000107179
RP11-87C grey	0.065696098	0.156356797	0.04703466	0.31045631
RP11-886 grey	0.012685849	0.784530511	-0.003306763	0.943184117
RP11-934 grey	0.01921822	0.678702379	0.012883341	0.781260516
RP11-944 grey	-0.042586773	0.358483702	-0.041930882	0.365940638
RP11-96C grey	0.038885689	0.401810623	0.042092852	0.364090258
RP11-977 grey	0.124394822	0.007114178	0.102574562	0.026652905
RP13-512 grey	0.034339326	0.459112686	0.027379037	0.5550626
RP13-672 grey	0.046908109	0.311761378	0.024147249	0.602712411
RP3-468K grey	-0.040739201	0.379733796	-0.035106923	0.449129448

RP4-539Ngrey	0.010834954	0.815354004	-0.010023506	0.828960679
RP4-559Agrey	-0.146123055	0.001543944	-0.139668037	0.002486308
RP4-576Fgrey	-0.04829153	0.297690085	-0.061541554	0.184304089
RP4-583Pgrey	-0.067415024	0.145779509	-0.049811931	0.282720925
RP4-583Pgrey	-0.068982926	0.136615883	-0.08920927	0.054041389
RP4-613Egrey	0.053988548	0.244251799	0.039984805	0.388628064
RP4-734Pgrey	-0.121293838	0.008694169	-0.128930346	0.005264354
RP4-777Cgrey	0.122870357	0.007855597	0.095417138	0.039287727
RP5-850Egrey	0.025301303	0.585486834	0.000473628	0.991855521
RP5-874Cgrey	0.060413242	0.192495229	0.024130253	0.602967797
RP5-972Egrey	-0.054120286	0.243101129	-0.064644803	0.163105939
RPGRIP1 grey	-0.070439031	0.128508609	-0.077462501	0.094523206
RPH3AL grey	0.148668171	0.001272728	0.169338479	0.000236723
RPL10L grey	0.106044101	0.021908136	0.091155051	0.048987735
RPL17-C1grey	-0.013907067	0.764372939	-0.011068288	0.811451422
RPRML grey	-0.018367608	0.692181009	-0.009487412	0.837978542
RPS10-N1grey	-0.101717214	0.027953371	-0.080618884	0.081796962
RPS4Y1 grey	-0.005564326	0.90454274	-0.010420037	0.822304842
RPS4Y2 grey	-0.015375037	0.740352552	-0.01514832	0.744046556
RPS6KL1grey	0.020650027	0.656245769	0.016973167	0.714487003
RRAGA grey	-0.253044121	2.95E-08	-0.244803551	8.42E-08
RRAGD grey	-0.089760083	0.052568618	-0.064673414	0.16291941
RRBP1 grey	0.159673194	0.000533065	0.163590619	0.000385684
RRNAD1 grey	0.153052125	0.000906027	0.13361068	0.003820761
RRP8 grey	0.102777332	0.026353062	0.108672907	0.018818419
RS1 grey	0.01454111	0.753968822	0.009741011	0.833709922
RSG1 grey	0.029989446	0.517964652	0.047958496	0.301038208
RSPO2 grey	0.047220195	0.308549469	0.03033398	0.513165558
RTBDN grey	-0.104943376	0.023327157	-0.100613567	0.029707409
RTEL1-T1grey	-0.084077425	0.069481737	-0.090426977	0.050830378
RTL1 grey	0.002920096	0.949818395	0.038949679	0.401035882
RTN2 grey	-0.191076764	3.23E-05	-0.198455893	1.56E-05
RTN4R grey	-0.091326705	0.048561541	-0.08887918	0.054940324
RTN4RL1grey	0.09143108	0.048303913	0.068462115	0.139609293
RTN4RL2grey	0.11825131	0.010540842	0.105106701	0.023111705
RTP1 grey	-0.052998465	0.253021739	-0.037473364	0.419136757
RTP3 grey	-0.100783699	0.029431015	-0.093034522	0.044487845
RUNDC3grey	-0.201092894	1.19E-05	-0.222374317	1.21E-06
RUNX1 grey	0.230200182	4.93E-07	0.223016923	1.13E-06
RUNX3 grey	-0.155941839	0.000720623	-0.119075619	0.010008979
RUSC1 grey	0.212650831	3.55E-06	0.205718097	7.40E-06
RWDD2Egrey	-0.000155134	0.997332286	0.001084046	0.981360189
RXFP1 grey	-0.017609238	0.704280629	-0.044289452	0.339574238
RXFP3 grey	-0.063678003	0.169503794	-0.059464781	0.199584492
RXFP4 grey	0.147051541	0.001439386	0.138249464	0.002753652

RXRA	grey	-0.091500301	0.048133687	-0.089537566	0.05315951
RXRB	grey	-0.228235104	6.20E-07	-0.235369535	2.67E-07
RXRG	grey	0.01787991	0.699953361	-0.002461205	0.957696339
RYR1	grey	-0.371568134	9.78E-17	-0.362218938	6.33E-16
S100A10	grey	0.12989649	0.004931344	0.158289596	0.000596572
S100A14	grey	-0.075037466	0.105337261	-0.038172449	0.410506368
S100A16	grey	-0.037456015	0.419352277	0.004698066	0.919348411
S100A4	grey	0.001081421	0.981405322	0.047836481	0.30227111
S100A5	grey	-0.271144955	2.59E-09	-0.257803245	1.59E-08
S100A6	grey	-0.001945495	0.966554612	0.041550268	0.370311809
S1PR2	grey	-0.10446665	0.023966007	-0.095304458	0.039521517
S1PR5	grey	-0.091910255	0.047135811	-0.089391239	0.053551088
SAA1	grey	0.082096914	0.076333566	0.105354362	0.022788286
SAA2	grey	0.122946065	0.007817209	0.150055229	0.00114409
SAA2-SA	grey	0.094496008	0.041233663	0.106163684	0.021758577
SAA4	grey	0.067923562	0.142757332	0.097117967	0.035898586
SAFB	grey	0.075259908	0.104306247	0.057622971	0.213890427
SAFB2	grey	0.095021936	0.040112879	0.068920443	0.136972383
SAGE1	grey	-0.031207106	0.501107758	-0.05430765	0.24147114
SALL3	grey	-0.046141244	0.319746732	-0.01379873	0.766154972
SALL4	grey	-0.193757773	2.49E-05	-0.192151705	2.91E-05
SAMD11	grey	-0.242613834	1.11E-07	-0.23604805	2.46E-07
SAMD13	grey	-0.035433478	0.444919839	-0.071599678	0.122317467
SAMD14	grey	-0.095308993	0.039512085	-0.098045756	0.034156924
SAMD4B	grey	-0.192951672	2.69E-05	-0.201336001	1.16E-05
SAMM50	grey	0.338493764	5.55E-14	0.320426673	1.30E-12
SAP30BP	grey	-0.183371264	6.72E-05	-0.175646641	0.000136026
SAPCD1	grey	0.020512623	0.658387849	0.023055948	0.619207357
SARDH	grey	-0.085113883	0.066101727	-0.095631192	0.038846826
SATB2	grey	0.279686185	7.70E-10	0.274578336	1.60E-09
SAYSD1	grey	-0.109315898	0.018123203	-0.119046893	0.010027105
SBK2	grey	-0.164977301	0.000343336	-0.161705377	0.000451094
SBNO2	grey	0.182800854	7.09E-05	0.187875903	4.40E-05
SBSPON	grey	-0.013161603	0.776659689	-0.046701059	0.313904356
SCAMP2	grey	0.253200177	2.89E-08	0.270703804	2.75E-09
SCAMP5	grey	-0.232248053	3.87E-07	-0.254935351	2.31E-08
SCARB1	grey	0.102971681	0.026068403	0.083081993	0.07285986
SCD5	grey	0.150773989	0.001082249	0.149766896	0.001169801
SCEL	grey	-0.094797491	0.040587995	-0.076650166	0.098042288
SCG2	grey	0.002682824	0.953891178	-0.012672608	0.7847499
SCG3	grey	-0.110687451	0.016714763	-0.10408845	0.024483528
SCG5	grey	-0.296472639	6.27E-11	-0.304504372	1.78E-11
SCGB1C1	grey	-0.002420654	0.958392711	-0.016275145	0.725746249
SCGB1C2	grey	-0.021096473	0.649305322	-0.029254827	0.528274065
SCGB1D1	grey	0.125544835	0.006596988	0.151942842	0.000988228

SCGB3A2 grey	-0.069806542	0.131983166	-0.062134294	0.180105458
SCGN grey	0.034207189	0.460843663	0.001672754	0.971241168
SCIN grey	-0.152977237	0.000911371	-0.147331367	0.001409175
SCMH1 grey	0.118355632	0.010472174	0.094608537	0.040991658
SCN4A grey	-0.184364587	6.13E-05	-0.184761899	5.90E-05
SCN5A grey	-0.312424131	4.95E-12	-0.314470954	3.53E-12
SCN8A grey	-0.332303615	1.68E-13	-0.33244238	1.63E-13
SCN9A grey	-0.108776265	0.018705121	-0.103909651	0.024731535
SCNN1D grey	-0.174258781	0.000153914	-0.184096387	6.28E-05
SCPEP1 grey	-0.060993746	0.188248273	-0.066086755	0.153903388
SCRT1 grey	-0.093822089	0.042708365	-0.109082364	0.018373068
SCRT2 grey	-0.018303454	0.693201598	-0.025584293	0.581297941
SCTR grey	-0.002857022	0.950900946	0.004775782	0.918018903
SCUBE2 grey	-0.006414372	0.890046241	-0.004862974	0.916527581
SCUBE3 grey	-0.033598921	0.468858573	-0.060759396	0.189954401
SCX grey	-0.172288939	0.000183122	-0.18052091	8.75E-05
SDC4 grey	0.01228128	0.791241023	0.024824421	0.592577217
SDCBP2 grey	0.194398891	2.34E-05	0.232653278	3.69E-07
SDF2 grey	-0.029297662	0.527670073	-0.031558442	0.496298399
SDK1 grey	-0.166424236	0.000303798	-0.204539475	8.37E-06
SDK2 grey	-0.256429095	1.90E-08	-0.264344407	6.60E-09
SDR16C5 grey	-0.23852578	1.83E-07	-0.251309768	3.69E-08
SDR42E1 grey	-0.3113735	5.88E-12	-0.280438078	6.90E-10
SEC11C grey	0.210145898	4.64E-06	0.211971164	3.82E-06
SEC14L2 grey	0.067550938	0.144967049	0.062128134	0.180148719
SEC14L4 grey	-0.209331476	5.06E-06	-0.218030583	1.97E-06
SEC14L6 grey	-0.20224325	1.06E-05	-0.223518785	1.07E-06
SEC31B grey	0.115473962	0.012521926	0.113051431	0.014511116
SELV grey	-0.206378342	6.91E-06	-0.204597687	8.32E-06
SEMA3A grey	0.088321514	0.056487236	0.126542359	0.006175949
SEMA3B grey	-0.141843376	0.002122057	-0.157269703	0.000647804
SEMA3F grey	-0.014243407	0.758848476	-0.006511226	0.888396757
SEMA4F grey	0.042404161	0.36055022	0.004955969	0.914937307
SEMA4G grey	0.010033298	0.828796178	-0.001902207	0.967298366
SEMA5B grey	0.018710184	0.686740624	-0.002223973	0.961770658
SEMA6A grey	-0.076742007	0.097639273	-0.107438677	0.02021826
SEMA6C grey	-0.265541615	5.61E-09	-0.270838634	2.70E-09
SEMA6D grey	-0.302598603	2.41E-11	-0.319460949	1.54E-12
SEMA7A grey	0.050630385	0.274877036	0.02147338	0.643469444
SEMG1 grey	-0.029724219	0.521674769	-0.011497203	0.804289926
SEMG2 grey	0.025714165	0.579380228	0.031790227	0.49313903
SENP3-E1 grey	0.177510924	0.000115054	0.157164969	0.00065329
SEPN1 grey	0.362321829	6.21E-16	0.333589568	1.33E-13
SEPT14 grey	-0.048436061	0.296244807	-0.052438227	0.258079946
SEPT5 grey	-0.160207602	0.000510263	-0.169736321	0.000228725



SEPT6	grey	-0.084575704	0.067839538	-0.062176061	0.179812293
SERF1A	grey	-0.005733988	0.901646662	-0.003548403	0.939040109
SERHL2	grey	0.024661596	0.595007096	-0.002565187	0.955910868
SERINC4	grey	0.109260898	0.018181781	0.108029049	0.019537756
SERPINA	grey	0.137289627	0.002949119	0.153054817	0.000905835
SERPINA	grey	-0.074456603	0.108067569	-0.066846326	0.149216756
SERPINA	grey	0.219062387	1.76E-06	0.207535846	6.12E-06
SERPINA	grey	0.152918918	0.000915553	0.14672618	0.001475261
SERPINA	grey	-0.091755473	0.047510512	-0.044529309	0.336962646
SERPINB	grey	0.228634255	5.92E-07	0.256672292	1.84E-08
SERPINB	grey	0.033034106	0.476369235	0.03693607	0.425841507
SERPINB	grey	0.138435073	0.002717244	0.120780012	0.00898422
SERPINB	grey	0.024023882	0.60456719	0.007292677	0.875106277
SERPINB	grey	-0.001587948	0.972698606	-0.012884234	0.781245735
SERPINB	grey	0.033441442	0.470946067	0.041444853	0.371528143
SERPINF	grey	-0.015476319	0.738704235	-0.022010873	0.635184942
SERPINI1	grey	-0.188456218	4.16E-05	-0.220841096	1.44E-06
SERTAD1	grey	-0.111132166	0.016279129	-0.106706495	0.021090786
SESN2	grey	0.247182385	6.25E-08	0.249583302	4.61E-08
SETD6	grey	0.064163894	0.166265319	0.068917242	0.136990665
SEZ6	grey	-0.021575109	0.641898035	-0.033875519	0.465204448
SEZ6L2	grey	-0.105228638	0.022951975	-0.096921054	0.036277791
SF3B4	grey	0.083618066	0.071024352	0.073261122	0.113862365
SFRP2	grey	0.002274187	0.960908175	0.035729781	0.441119704
SFRP5	grey	-0.248083284	5.58E-08	-0.265341884	5.77E-09
SFSWAP	grey	-0.084669827	0.067532936	-0.108816641	0.018661024
SFTA2	grey	0.073995454	0.110274679	0.101366122	0.028501454
SFTA3	grey	-0.001518541	0.973891473	0.02096396	0.651362243
SFTPA1	grey	-0.053706149	0.246731253	-0.061803594	0.182439122
SFTPA2	grey	0.051336559	0.268229322	0.046584793	0.315111943
SFTPb	grey	0.016354263	0.72446703	0.033437339	0.471000525
SFTPC	grey	-0.047529954	0.305383158	-0.04540444	0.327543581
SFTPD	grey	-0.094725937	0.040740457	-0.118427247	0.010425265
SFXN2	grey	0.140517278	0.002337811	0.09447635	0.041276063
SGCD	grey	0.059595758	0.198594353	0.041422145	0.371790483
SGCG	grey	-0.257415273	1.67E-08	-0.272544636	2.13E-09
SGK1	grey	-0.072339275	0.118495139	-0.092695105	0.045273754
SGK2	grey	0.053661365	0.247126068	0.060607262	0.191068042
SGK223	grey	0.174561919	0.000149828	0.179188654	9.88E-05
SGSH	grey	0.15538416	0.000753409	0.171450739	0.000197062
SGSM1	grey	-0.344769954	1.76E-14	-0.346541269	1.27E-14
SGSM2	grey	0.214517523	2.90E-06	0.195225448	2.15E-05
SH2B1	grey	-0.03048363	0.511088269	-0.04299451	0.353896454
SH3BP2	grey	-0.146823347	0.001464462	-0.130461024	0.00474567
SH3D21	grey	-0.016941007	0.715004409	-0.030531007	0.510431529

SH3GL2	grey	-0.097546222	0.035085495	-0.094556646	0.041103104
SH3KBP1	grey	-0.171403902	0.000197869	-0.178598338	0.000104267
SH3TC1	grey	-0.031430254	0.498050288	-0.021612498	0.641320884
SH3TC2	grey	-0.060649386	0.190759211	-0.06834571	0.140285171
SHANK1	grey	-0.168003983	0.000265506	-0.1757981	0.000134196
SHBG	grey	-0.07583573	0.101674418	-0.053521323	0.248363505
SHC3	grey	-0.000311425	0.994644711	-0.013168101	0.776552345
SHC4	grey	-0.03694651	0.425710632	-0.035678137	0.441780701
SHD	grey	-0.016343471	0.724641481	-0.018479735	0.690398586
SHH	grey	0.175061853	0.000143311	0.195054238	2.19E-05
SHISA2	grey	-0.020637612	0.656439189	-0.021030022	0.650336474
SHISA3	grey	0.018673301	0.687325594	0.010683876	0.817883259
SHISA4	grey	-0.128830918	0.005299748	-0.151674155	0.001009148
SHISA9	grey	-0.105028628	0.023214479	-0.078216218	0.091349013
SHOX2	grey	-0.053818519	0.245742548	-0.034839947	0.452587695
SHPK	grey	0.26138787	9.84E-09	0.259299088	1.30E-08
SHROOM	grey	-0.045770727	0.323652289	-0.07392012	0.110638587
SHROOM	grey	-0.012279713	0.791267041	-0.03401556	0.463360403
SIAH2	grey	-0.009099111	0.844523644	-0.008937478	0.847251282
SIGLEC1	grey	0.099558551	0.031471517	0.121955892	0.008332757
SIK1	grey	-0.027157132	0.558274914	-0.079180962	0.087411358
SIM1	grey	-0.059138376	0.202067646	-0.033410867	0.471351946
SIM2	grey	0.067666373	0.14427973	0.085481047	0.064937244
SIRT2	grey	-0.041781893	0.367647869	-0.040286492	0.385056126
SIRT3	grey	0.16152229	0.000457968	0.146435258	0.001508033
SIRT4	grey	-0.148526155	0.001286623	-0.147093571	0.001434811
SIX1	grey	0.023298616	0.615522481	0.039870412	0.389987701
SIX2	grey	0.002083171	0.964189321	0.036015317	0.437475244
SIX3	grey	-0.142060178	0.002088567	-0.126220619	0.006309038
SKAP1	grey	-0.165767156	0.000321194	-0.126187209	0.006323004
SKIDA1	grey	-0.125072968	0.006804977	-0.153478614	0.00087614
SKOR1	grey	0.021723614	0.639606958	-0.013131567	0.777155939
SLAMF9	grey	0.036686044	0.428982663	0.062223922	0.1794768
SLC10A2	grey	-0.052666496	0.256010604	-0.04537622	0.32784463
SLC10A4	grey	-0.139645367	0.002490388	-0.129744918	0.004982299
SLC12A1	grey	0.00419522	0.927955919	-0.012984857	0.779581143
SLC12A3	grey	-0.048549071	0.295118001	-0.06247304	0.177738002
SLC12A5	grey	-0.181976577	7.65E-05	-0.194617896	2.29E-05
SLC12A9	grey	0.052423683	0.258212176	0.053839992	0.24555393
SLC13A2	grey	0.061187063	0.186849377	0.059433295	0.199823058
SLC13A3	grey	-0.08022164	0.083318044	-0.073270727	0.113814856
SLC13A5	grey	-0.315593108	2.93E-12	-0.315850366	2.81E-12
SLC14A1	grey	-0.003980452	0.931634851	0.018250586	0.694043057
SLC14A2	grey	-0.123610816	0.00748727	-0.124890744	0.006886857
SLC15A1	grey	-0.083397924	0.071773491	-0.093342472	0.043784755

SLC16A1 grey	0.158131819	0.000604244	0.145448457	0.001624236
SLC16A1 grey	0.054117819	0.243122643	0.035958597	0.438197811
SLC16A5 grey	-0.254549884	2.43E-08	-0.230262072	4.89E-07
SLC16A6 grey	-0.1948536	2.23E-05	-0.188979382	3.96E-05
SLC16A8 grey	0.093392744	0.043670871	0.07749212	0.094396828
SLC16A9 grey	-0.138339737	0.00273589	-0.110639962	0.01676188
SLC17A3 grey	-0.106195669	0.021718726	-0.104696236	0.023656481
SLC17A4 grey	-0.089809186	0.052438965	-0.087292704	0.059435875
SLC17A7 grey	-0.104973816	0.02328687	-0.106617679	0.021198818
SLC17A9 grey	-0.223794252	1.03E-06	-0.223852194	1.03E-06
SLC18A1 grey	-0.022411522	0.629039062	-0.037343479	0.420751853
SLC18A2 grey	0.005253991	0.909843296	-0.005864958	0.899411948
SLC18A3 grey	-0.057816114	0.212356509	-0.048599336	0.294617727
SLC19A3 grey	-0.196540234	1.89E-05	-0.20901503	5.23E-06
SLC1A1 grey	0.205756558	7.37E-06	0.213341473	3.29E-06
SLC1A3 grey	-0.115183922	0.012746662	-0.109210324	0.018235791
SLC1A4 grey	0.144024226	0.001806474	0.148552726	0.001284013
SLC1A5 grey	-0.043224689	0.351323214	-0.004604769	0.920944746
SLC1A6 grey	-0.107842093	0.019751064	-0.113365697	0.014238295
SLC20A2 grey	-0.048882861	0.291806547	-0.077441219	0.094614097
SLC22A1 grey	-0.026160354	0.572814372	-0.010820918	0.815588894
SLC22A1 grey	0.026184112	0.572465754	0.026989882	0.56070196
SLC22A1 grey	-0.20867831	5.42E-06	-0.197028943	1.80E-05
SLC22A1 grey	0.259674595	1.24E-08	0.285796884	3.15E-10
SLC22A3 grey	-0.114833124	0.013023226	-0.086914275	0.060552018
SLC22A8 grey	-0.057733752	0.213009652	-0.069813768	0.131943065
SLC23A3 grey	0.001123529	0.980681431	0.009726659	0.833951378
SLC24A2 grey	-0.132117475	0.004236705	-0.139845016	0.002454671
SLC25A1 grey	-0.136108325	0.003206973	-0.137182878	0.00297162
SLC25A2 grey	0.144577407	0.001733575	0.177388405	0.000116333
SLC25A2 grey	-0.000125637	0.99783952	-0.015550977	0.737489989
SLC25A2 grey	-0.043325214	0.350203133	-0.073729506	0.111563588
SLC25A2 grey	-0.025212932	0.586797791	-0.020642992	0.656355376
SLC25A2 grey	-0.068393964	0.140004691	-0.061263987	0.186294861
SLC25A3 grey	-0.096263872	0.037568078	-0.1061803	0.021737868
SLC25A3 grey	0.15280915	0.000923472	0.122408894	0.008093246
SLC25A3 grey	0.06208526	0.180450072	0.078689561	0.089399632
SLC25A4 grey	-0.111703574	0.015734006	-0.109344055	0.018093279
SLC25A4 grey	0.261734388	9.39E-09	0.262832434	8.10E-09
SLC25A4 grey	-0.006047371	0.896300793	0.011888718	0.79776715
SLC25A4 grey	0.162427236	0.000424916	0.150221521	0.0011295
SLC26A1 grey	0.047756819	0.303077854	0.054588486	0.239042379
SLC26A1 grey	-0.101635099	0.028080741	-0.130859695	0.004618372
SLC26A3 grey	-0.025840306	0.577520447	-0.022646931	0.625439804
SLC26A4 grey	0.053050388	0.252556452	0.039403872	0.395562641

SLC26A7 grey	-0.102580532	0.026644035	-0.112763948	0.014764699
SLC26A9 grey	0.034520124	0.456750172	0.068957521	0.136760749
SLC27A3 grey	-0.0896152	0.052952728	-0.082054791	0.076485056
SLC28A2 grey	0.065556142	0.157242912	0.058480401	0.207141327
SLC29A3 grey	-0.248150583	5.53E-08	-0.239731515	1.58E-07
SLC29A4 grey	-0.028875001	0.533644982	-0.015004944	0.746385675
SLC2A10 grey	-0.195381985	2.12E-05	-0.189856039	3.64E-05
SLC2A11 grey	-0.112832237	0.014704113	-0.13776681	0.002850418
SLC2A14 grey	-0.047776327	0.302880164	-0.025798067	0.578142896
SLC2A9 grey	0.037929891	0.413488818	0.041938025	0.365858911
SLC30A2 grey	-0.094718791	0.040755712	-0.07272241	0.116552095
SLC30A3 grey	-0.12970885	0.004994494	-0.121771255	0.008432177
SLC30A8 grey	-0.125220996	0.006739106	-0.115523405	0.012483966
SLC34A3 grey	-0.055729017	0.229355378	-0.050724363	0.273985943
SLC35C1 grey	0.199965626	1.34E-05	0.213206189	3.34E-06
SLC35D2 grey	0.204677143	8.25E-06	0.184249215	6.19E-05
SLC35E3 grey	0.182827367	7.07E-05	0.187405221	4.60E-05
SLC35E4 grey	-0.207861123	5.91E-06	-0.185550085	5.48E-05
SLC35F2 grey	-0.028823718	0.534372242	-0.025586747	0.581261677
SLC35F6 grey	0.058416767	0.207636851	0.105675073	0.0223753
SLC35G5 grey	0.081556736	0.078294842	0.077578214	0.094030246
SLC35G6 grey	-0.131286091	0.004485641	-0.148637533	0.001275714
SLC38A1 grey	0.291583086	1.32E-10	0.270090648	3.00E-09
SLC38A1 grey	0.044302416	0.339432756	0.036524118	0.431024128
SLC38A5 grey	-0.073213352	0.11409889	-0.069943316	0.131225722
SLC38A8 grey	-0.02297749	0.620400772	-0.015616243	0.736429016
SLC39A1 grey	-0.222582256	1.18E-06	-0.216279694	2.39E-06
SLC39A2 grey	-0.078045519	0.092060305	-0.08677494	0.060967312
SLC39A5 grey	-0.177995513	0.000110123	-0.174243905	0.000154118
SLC39A8 grey	0.042119669	0.363784465	0.033211614	0.474001751
SLC3A1 grey	-0.026490842	0.567973917	-0.023755726	0.608607579
SLC41A3 grey	-0.058924056	0.203710265	-0.077985121	0.09231304
SLC43A2 grey	0.182101906	7.56E-05	0.205678674	7.44E-06
SLC43A3 grey	-0.387286733	3.68E-18	-0.385062662	5.92E-18
SLC44A5 grey	-0.187049181	4.76E-05	-0.195987716	2.00E-05
SLC45A2 grey	0.003400732	0.941572405	-0.003844748	0.933960206
SLC45A3 grey	0.019882579	0.668245618	0.039817475	0.390617871
SLC4A11 grey	0.040786614	0.379178996	0.066535411	0.151121838
SLC4A3 grey	-0.264838077	6.17E-09	-0.286226428	2.95E-10
SLC5A2 grey	-0.117604477	0.010975587	-0.111373463	0.016046946
SLC5A5 grey	-0.033057524	0.476056526	-0.024074795	0.603801421
SLC5A7 grey	0.014315232	0.757670301	0.011488087	0.804441969
SLC5A8 grey	-0.132637709	0.004087358	-0.106498204	0.0213449
SLC6A11 grey	-0.409881011	2.39E-20	-0.413828376	9.54E-21
SLC6A13 grey	-0.254771626	2.36E-08	-0.2659282	5.32E-09

SLC6A15 grey	-0.327016344	4.22E-13	-0.336540397	7.88E-14
SLC6A18 grey	-0.016567578	0.72102188	-0.011113282	0.810699411
SLC6A20 grey	0.159340099	0.000547753	0.168523067	0.000253942
SLC6A3 grey	-0.192572077	2.79E-05	-0.185032578	5.75E-05
SLC6A4 grey	-0.039461585	0.394870407	-0.052354963	0.258837628
SLC6A8 grey	-0.042778253	0.356324832	-0.020702389	0.655430191
SLC6A9 grey	-0.209937112	4.75E-06	-0.174419691	0.000151733
SLC7A10 grey	-0.310786958	6.47E-12	-0.316487762	2.53E-12
SLC7A11 grey	0.251316828	3.69E-08	0.221235269	1.38E-06
SLC7A14 grey	-0.066183575	0.153299868	-0.066121359	0.153687479
SLC7A2 grey	-0.141127839	0.002236102	-0.150223929	0.00112929
SLC7A4 grey	-0.039739366	0.391548811	-0.092950308	0.044681761
SLC7A6 grey	-0.015854572	0.732559002	-0.021560669	0.642120985
SLC7A8 grey	-0.287873685	2.31E-10	-0.304868314	1.68E-11
SLC7A9 grey	-0.266427612	4.97E-09	-0.271676404	2.40E-09
SLC8B1 grey	-0.024385282	0.599140924	-0.019788921	0.669715927
SLC9A2 grey	0.160751327	0.000487996	0.155847642	0.000726067
SLC9A3 grey	-0.061964655	0.181299781	-0.073762858	0.111401301
SLC9A4 grey	0.110459667	0.016941822	0.10036868	0.03010915
SLC9A5 grey	0.040096705	0.387300844	0.039962011	0.38889875
SLC9A8 grey	-0.0090687	0.845036707	-0.012050413	0.795077317
SLCO1B3 grey	0.09370037	0.042979402	0.101202573	0.028759902
SLCO1C1 grey	0.016252881	0.726106365	0.085483563	0.064929324
SLCO4C1 grey	-0.176407015	0.000127072	-0.174018102	0.000157233
SLFN11 grey	-0.155691601	0.000735168	-0.155175202	0.000766045
SLFN13 grey	-0.327453514	3.92E-13	-0.323042828	8.37E-13
SLIT1 grey	-0.124157699	0.007225225	-0.117966198	0.010730552
SLITRK2 grey	-0.204603384	8.32E-06	-0.213097081	3.38E-06
SLITRK4 grey	-0.198762433	1.51E-05	-0.223837256	1.03E-06
SLITRK6 grey	0.215357845	2.64E-06	0.191784263	3.02E-05
SLN grey	-0.091440851	0.048279854	-0.083230824	0.072346428
SLX1A grey	-0.077389023	0.094837308	-0.06419756	0.166042666
SLX1A-S grey	-0.13614821	0.003197944	-0.162271067	0.000430457
SMAD6 grey	-0.2244012	9.63E-07	-0.209950677	4.74E-06
SMAGP grey	-0.007070167	0.878887201	-0.004725379	0.918881128
SMARCB1 grey	-0.290322954	1.60E-10	-0.303299587	2.15E-11
SMCO2 grey	-0.159531333	0.000539275	-0.157024676	0.000660706
SMIM11 grey	-0.087706035	0.05823629	-0.089598915	0.052996049
SMIM19 grey	0.077035318	0.096360998	0.04088374	0.37804404
SMIM2 grey	-0.13648325	0.003122998	-0.134798474	0.003516701
SMIM23 grey	0.058991162	0.203194908	0.061122618	0.18731486
SMIM24 grey	-0.070986636	0.125557968	-0.06875568	0.137915872
SMIM3 grey	-0.121130255	0.008785592	-0.113480493	0.014139769
SMN2 grey	-0.009574919	0.836505062	-0.001003895	0.982738146
SMO grey	-0.152208629	0.000967928	-0.167210657	0.000284133

SMPD1	grey	0.129269134	0.005145343	0.147874759	0.001352166
SMR3A	grey	0.096454654	0.037189553	0.096881477	0.036354416
SMR3B	grey	-0.008581902	0.85325816	-0.013808681	0.76599124
SMTNL2	grey	-0.097176869	0.035785814	-0.127667899	0.005729965
SMYD1	grey	-0.021271457	0.64659324	-0.019714296	0.670888358
SMYD3	grey	0.088137261	0.05700621	0.077513953	0.094303758
SNAI1	grey	-0.2467356	6.61E-08	-0.239868461	1.55E-07
SNAP29	grey	0.091507448	0.048116141	0.072932086	0.115499351
SNAP91	grey	-0.097219796	0.035703814	-0.101893434	0.027681707
SNAPC5	grey	-0.108809794	0.018668496	-0.087251284	0.059557204
SNCB	grey	-0.091463041	0.048225253	-0.082414337	0.075199823
SNCG	grey	-0.299215674	4.10E-11	-0.298013403	4.94E-11
SND1	grey	0.173815326	0.00016008	0.152965936	0.00091218
SNRPN	grey	-0.012660821	0.784945197	-0.012815641	0.782381032
SNTA1	grey	-0.229362817	5.44E-07	-0.21831028	1.91E-06
SNTB1	grey	0.069130141	0.135778764	0.025508446	0.582419282
SNTG1	grey	-0.082048337	0.076508289	-0.083632266	0.070976253
SNX11	grey	0.126250413	0.006296606	0.145568699	0.00160965
SNX32	grey	-0.405371905	6.75E-20	-0.415660661	6.20E-21
SOCS3	grey	-0.252421496	3.20E-08	-0.257316225	1.69E-08
SOHLH1	grey	-0.094967875	0.040226885	-0.08166528	0.07789749
SOHLH2	grey	-0.102254565	0.027132067	-0.09098649	0.049409287
SORCS2	grey	-0.295726828	7.03E-11	-0.299923494	3.67E-11
SORCS3	grey	-0.2069714	6.49E-06	-0.207402736	6.21E-06
SORD	grey	0.276214631	1.27E-09	0.259105549	1.33E-08
SOST	grey	-0.099773233	0.031105457	-0.10244267	0.02684951
SOSTDC	grey	-0.202023329	1.08E-05	-0.19547445	2.10E-05
SOX1	grey	-0.10278417	0.026343001	-0.102153866	0.027284378
SOX11	grey	-0.303835457	1.98E-11	-0.307930824	1.03E-11
SOX13	grey	0.090789739	0.049905176	0.074340518	0.108619854
SOX2	grey	0.002290648	0.960625458	0.021278264	0.646487838
SOX21	grey	0.066381889	0.152069302	0.085779511	0.064003125
SOX8	grey	-0.114548347	0.013251616	-0.10858664	0.018913439
SOX9	grey	0.181720243	7.83E-05	0.16547532	0.000329215
SP8	grey	-0.012467645	0.788147868	-0.005861833	0.899465263
SP9	grey	0.067749001	0.143789278	0.016818333	0.716979266
SPACA5	grey	0.014262944	0.758527935	0.012814212	0.782404683
SPAG11A	grey	0.094416993	0.041404312	0.075408971	0.103619827
SPAG11E	grey	0.08256697	0.074659562	0.062852974	0.175110261
SPANXA	grey	-0.042637663	0.357909136	-0.043798149	0.344963907
SPANXA	grey	-0.071516263	0.122754524	-0.076101265	0.100478663
SPANXB	grey	-0.040847961	0.378461896	-0.014456903	0.755348078
SPANXN	grey	0.080879816	0.080810104	0.040057497	0.387765565
SPANXN	grey	0.089896693	0.052208569	0.051166444	0.269820579
SPANXN	grey	-0.005528001	0.905162967	0.013821554	0.765779436

SPANXN grey	-0.008575381	0.853368415	0.001002531	0.982761593
SPATA20 grey	0.131665415	0.004370469	0.12942549	0.00509124
SPATA22 grey	-0.03999037	0.38856199	-0.05495195	0.235924586
SPATA25 grey	-0.337989077	6.07E-14	-0.358870949	1.22E-15
SPATA31 grey	-0.080362563	0.082775842	-0.067898558	0.142904802
SPATA31 grey	-0.043403224	0.34933548	-0.044664053	0.335501191
SPATA31 grey	-0.076293495	0.099620009	-0.081519075	0.078433089
SPATA31 grey	-0.017496947	0.706078653	-0.020114632	0.664608127
SPATA45 grey	0.08813089	0.057024226	0.079199229	0.08733814
SPATA8 grey	-0.051592989	0.265842841	-0.050093961	0.280001114
SPATC1L grey	-0.081593529	0.078159969	-0.068994342	0.136550827
SPATS2L grey	-0.144256106	0.001775581	-0.114329894	0.0134292
SPDYC grey	0.131783519	0.004335159	0.153115801	0.000901505
SPDYE3 grey	-0.136863004	0.003039983	-0.143989637	0.001811124
SPDYE4 grey	0.000837219	0.98560378	0.022769318	0.623572088
SPECC1L grey	0.057248054	0.216890684	0.044608174	0.336106771
SPEM1 grey	0.019575202	0.673075792	0.017721166	0.702490054
SPERT grey	-0.192247083	2.88E-05	-0.167435063	0.000278744
SPESP1 grey	-0.134127481	0.003685654	-0.130384342	0.004770515
SPHK2 grey	0.062297974	0.178958618	0.053021709	0.252813376
SPIN2B grey	-0.065416608	0.158130121	-0.048388699	0.2967179
SPINK1 grey	-0.014595182	0.753083578	0.007087577	0.878591261
SPINK2 grey	-0.041818179	0.367231617	-0.049880359	0.282059396
SPINK8 grey	0.034271119	0.460005731	0.061583162	0.184007027
SPNS2 grey	0.040569814	0.38171991	0.053078081	0.25230854
SPOCD1 grey	-0.088815363	0.055115544	-0.064059618	0.166956386
SPOCK3 grey	-0.203127915	9.69E-06	-0.213452164	3.25E-06
SPON1 grey	-0.374802285	5.05E-17	-0.379680404	1.84E-17
SPP2 grey	-0.086544624	0.061658931	-0.087740053	0.058138463
SPR grey	0.022179853	0.632589744	0.036317463	0.433637669
SPRED3 grey	0.017253698	0.709979204	0.003458694	0.940578396
SPRY4 grey	0.180677296	8.62E-05	0.160331715	0.000505098
SPRYD4 grey	-0.161667869	0.000452494	-0.170922551	0.00020635
SPSB4 grey	-0.209483702	4.98E-06	-0.220055322	1.57E-06
SPTBN5 grey	0.088067353	0.057204149	0.091964787	0.04700439
SPX grey	0.04644513	0.316566555	0.02169619	0.640029784
SQSTM1 grey	-0.015418007	0.739653096	-0.0188184	0.685025405
SRC grey	-0.020011858	0.666218159	-0.025082917	0.588728971
SRMS grey	0.261458107	9.75E-09	0.270681811	2.76E-09
SRPK3 grey	0.162763948	0.000413196	0.176294966	0.000128356
SRR grey	0.274225692	1.68E-09	0.25125394	3.72E-08
SRRM3 grey	-0.090418206	0.050852925	-0.077591613	0.093973297
SRRM4 grey	-0.155685067	0.000735551	-0.160423128	0.000501326
SRXN1 grey	0.12610199	0.006358754	0.088933808	0.054790705
SRY grey	-0.066005256	0.154412793	-0.068104936	0.141691125

SSBP3	grey	-0.288312873	2.17E-10	-0.292851214	1.09E-10
SSC4D	grey	-0.294202709	8.88E-11	-0.304795541	1.70E-11
SSH3	grey	0.164710697	0.000351125	0.168111584	0.000263069
SSPO	grey	-0.064128031	0.166502753	-0.065896615	0.155093837
SST	grey	-0.314149055	3.72E-12	-0.312362885	5.00E-12
SSTR4	grey	-0.073944161	0.110522353	-0.081807708	0.077378587
SSTR5	grey	0.06999481	0.130941421	0.086844652	0.06075924
SSX2	grey	-0.069639531	0.132912637	-0.074957197	0.105711274
SSX2B	grey	-0.081167502	0.07973326	-0.079420547	0.086454946
SSX3	grey	-0.082730021	0.074085919	-0.077995592	0.092269187
SSX5	grey	-0.042724917	0.356925356	-0.045222212	0.329490729
ST20-MT	grey	-0.023587719	0.611145092	-0.040304751	0.384840591
ST3GAL1	grey	-0.16663831	0.000298322	-0.169287761	0.000237762
ST3GAL4	grey	-0.063263572	0.172303051	-0.073341631	0.113464612
ST6GAL1	grey	-0.117010162	0.011388956	-0.105543811	0.022543538
ST6GAL1	grey	-0.069158949	0.135615416	-0.038256272	0.409478672
ST6GAL1	grey	-0.227419783	6.81E-07	-0.228396838	6.08E-07
ST7	grey	0.010627953	0.818819973	-0.007558315	0.870596251
ST8SIA2	grey	-0.179567993	9.55E-05	-0.195753329	2.04E-05
ST8SIA5	grey	-0.194723218	2.26E-05	-0.203405124	9.41E-06
ST8SIA6	grey	0.010944378	0.813523271	0.011767416	0.799786609
STAC	grey	-0.283145501	4.65E-10	-0.276214061	1.27E-09
STAC2	grey	-0.033645652	0.468240099	-0.034087627	0.462413022
STAG3L5	grey	-0.065971613	0.154623449	-0.084164564	0.069192226
STARD3	grey	-0.043769348	0.345281531	-0.055420233	0.231950085
STARD6	grey	0.040117056	0.387059758	0.013504504	0.771000861
STAT6	grey	0.055392095	0.232187564	0.05348287	0.248704037
STATH	grey	-0.052132176	0.260872503	-0.045384124	0.327760291
STC1	grey	0.24799159	5.64E-08	0.222034305	1.26E-06
STEAP1B	grey	-0.167647098	0.00027374	-0.176864943	0.00012195
STEAP3	grey	0.216074428	2.44E-06	0.210574328	4.43E-06
STK11IP	grey	0.041804557	0.367387842	0.036986217	0.425213102
STK16	grey	0.197873306	1.65E-05	0.204678224	8.25E-06
STK25	grey	0.102157736	0.027278512	0.094859465	0.040456332
STK32A	grey	0.012691797	0.784431981	0.032022222	0.489987587
STK32B	grey	0.063136513	0.173168131	0.046799624	0.312882997
STK32C	grey	-0.155174815	0.000766068	-0.160738996	0.000488491
STK39	grey	0.104004726	0.024599391	0.117193074	0.01126029
STKLD1	grey	0.016104591	0.72850644	0.017364971	0.708193974
STMN2	grey	-0.011905313	0.797490974	0.015901981	0.731789978
STMN4	grey	-0.030891081	0.505454689	-0.051475916	0.266930572
STOML1	grey	0.149017627	0.001239121	0.177260999	0.000117678
STON2	grey	-0.085975987	0.063394261	-0.080525551	0.08215231
STRA6	grey	0.005578061	0.904308234	0.003655349	0.93720656
STRA8	grey	0.020244654	0.662573429	0.015094563	0.744923295



STRC	grey	0.061743248	0.182867374	0.052209525	0.26016477
STX16-N	grey	-0.069842888	0.131781554	-0.088947788	0.054752469
STX1A	grey	-0.199527971	1.40E-05	-0.200535459	1.26E-05
STYK1	grey	0.134977703	0.003472776	0.173217758	0.000168757
SULT1A2	grey	-0.099471038	0.031621792	-0.041170023	0.374710873
SULT1A3	grey	-0.067987422	0.142381233	-0.071424398	0.123237261
SULT1A4	grey	-0.050883681	0.272479799	-0.025858809	0.577247875
SULT1C2	grey	-0.226349709	7.71E-07	-0.197209941	1.77E-05
SULT1E1	grey	-0.066030357	0.154255765	-0.048959876	0.291046047
SULT2B1	grey	0.292124858	1.22E-10	0.301064239	3.07E-11
SULT4A1	grey	-0.159617293	0.000535504	-0.170997969	0.000204999
SUMF1	grey	0.079843035	0.084788931	0.05528535	0.233090001
SUPT3H	grey	-0.190789706	3.32E-05	-0.218173939	1.94E-06
SUPT5H	grey	-0.131015335	0.004569518	-0.115947252	0.012162703
SUSD2	grey	0.055657197	0.229957041	0.051724023	0.264629
SUSD3	grey	-0.410537699	2.06E-20	-0.39531534	6.43E-19
SUSD4	grey	-0.170778754	0.000208949	-0.183019707	6.95E-05
SV2A	grey	-0.279747791	7.63E-10	-0.288601024	2.07E-10
SV2B	grey	-0.208349904	5.62E-06	-0.20742907	6.19E-06
SV2C	grey	-0.211513103	4.01E-06	-0.208299445	5.65E-06
SVOP	grey	0.023418885	0.61369979	0.007873991	0.865242136
SYCE1	grey	-0.017094036	0.71254356	-0.031980515	0.490553331
SYCE3	grey	0.153594817	0.000868156	0.160196	0.000510748
SYN1	grey	-0.286672033	2.77E-10	-0.272334178	2.19E-09
SYN2	grey	-0.040470243	0.382890375	-0.071224409	0.124293289
SYNDIG1	grey	-0.325654102	5.35E-13	-0.340022587	4.20E-14
SYNDIG1	grey	-0.09010485	0.051663908	-0.07657628	0.098367478
SYNGR1	grey	-0.165464209	0.000329524	-0.187381085	4.61E-05
SYNGR4	grey	-0.001304204	0.97757557	0.007873299	0.865253881
SYNJ2BP	grey	0.04376535	0.345325639	0.031122121	0.502274791
SYP	grey	-0.080878229	0.08081608	-0.077673549	0.093625647
SYS1-DB	grey	-0.14159237	0.002161443	-0.15695462	0.000664438
SYT12	grey	-0.135321866	0.003389823	-0.118840805	0.010158005
SYT14	grey	-0.207914585	5.88E-06	-0.243797782	9.55E-08
SYT17	grey	-0.055226181	0.233591293	-0.04728811	0.307853402
SYT2	grey	0.038015715	0.412432086	0.037516588	0.418600075
SYT3	grey	-0.168039948	0.000264689	-0.161576065	0.000455939
SYT4	grey	0.002116147	0.963622835	0.001273641	0.97810093
SYT7	grey	-0.035815584	0.440022725	-0.027795725	0.54905506
SYVN1	grey	0.082851364	0.07366135	0.106411284	0.021451727
T	grey	0.013883195	0.764765496	0.042236264	0.362456771
TAAR6	grey	-0.092011764	0.046891425	-0.08181501	0.077352059
TAC1	grey	0.04476261	0.334434801	0.022350882	0.629967645
TAC3	grey	0.148745336	0.001265235	0.123141436	0.007718917
TADA2A	grey	0.097428756	0.035306943	0.070920704	0.125910415

TAF15	grey	0.264819085	6.19E-09	0.241322705	1.30E-07
TAF1C	grey	0.089571287	0.053069611	0.095805186	0.038491535
TAF6L	grey	0.067813565	0.143406934	0.029834113	0.520135874
TAF7L	grey	-0.15007765	0.001142113	-0.158438179	0.00058943
TAGLN3	grey	-0.044156785	0.341024287	-0.052662558	0.256046202
TAL2	grey	-0.045491472	0.326616255	-0.057970506	0.211136059
TAMM41	grey	0.089676977	0.052788662	0.056385146	0.223910447
TAS1R1	grey	0.020680198	0.655775783	0.026151835	0.572939411
TAS1R3	grey	-0.08119543	0.079629341	-0.057192791	0.217335462
TBATA	grey	0.053184072	0.251361236	0.065063555	0.160391845
TBC1D10	grey	-0.15355183	0.000871101	-0.17668449	0.000123945
TBC1D10	grey	0.034783873	0.453315944	0.064478263	0.164194894
TBC1D13	grey	-0.042229368	0.362535219	-0.036136836	0.435929488
TBC1D16	grey	0.113975209	0.013721995	0.090048843	0.051809988
TBC1D2	grey	0.228571541	5.96E-07	0.251930831	3.41E-08
TBC1D20	grey	-0.018678064	0.687250039	-0.02027255	0.662137202
TBC1D22	grey	0.125533328	0.006601992	0.139157571	0.002579657
TBC1D24	grey	0.073981498	0.110342027	0.082881709	0.073555487
TBC1D25	grey	-0.167702092	0.000272456	-0.171012469	0.00020474
TBC1D26	grey	-0.071229854	0.124264443	-0.101184119	0.02878919
TBC1D28	grey	-0.025238218	0.586422544	-0.014373568	0.75671381
TBC1D3	grey	-0.06393749	0.16776849	-0.079951365	0.084365945
TBC1D3E	grey	-0.070467407	0.128354407	-0.070797925	0.126568792
TBC1D3C	grey	-0.054649309	0.238518629	-0.048346617	0.297138674
TBC1D3I	grey	-0.108627486	0.018868396	-0.107504073	0.020141878
TBC1D3F	grey	-0.06804017	0.142071155	-0.09314772	0.044228303
TBC1D3F	grey	-0.03980585	0.390756332	-0.043006879	0.353757871
TBC1D3C	grey	-0.054990881	0.235592347	-0.054745678	0.237690452
TBC1D3F	grey	-0.060648936	0.190762503	-0.0587468	0.205076118
TBC1D3I	grey	-0.057123758	0.217891984	-0.058902471	0.20387624
TBC1D3k	grey	-0.064311471	0.165290959	-0.066858558	0.149142181
TBC1D3I	grey	-0.079435741	0.086394579	-0.104940366	0.023331144
TBCC	grey	-0.062280022	0.179084134	-0.042752172	0.356618405
TBKBP1	grey	-0.292132843	1.22E-10	-0.294110943	9.01E-11
TBR1	grey	-0.05266349	0.25603778	-0.018212361	0.694651691
TBX1	grey	-0.091336223	0.048538001	-0.117329068	0.011165462
TBX10	grey	0.091469036	0.048210512	0.107887465	0.019699112
TBX15	grey	0.013663664	0.768378377	-0.007155743	0.877432752
TBX18	grey	0.231102832	4.43E-07	0.215797731	2.52E-06
TBX19	grey	-0.137322499	0.002942221	-0.132210049	0.004209774
TBX20	grey	-0.012557067	0.78666489	-0.047906864	0.301559514
TBX22	grey	-0.031346075	0.499202502	-0.026960974	0.561121971
TBX4	grey	-0.122179185	0.008213919	-0.120519239	0.009134694
TBX5	grey	-0.081305894	0.079219396	-0.031214026	0.50101279
TBX6	grey	0.036449378	0.4319683	0.048401329	0.296591697

TCAP	grey	-0.162823127	0.000411167	-0.18312084	6.88E-05
TCEA3	grey	-0.002001178	0.965597922	-0.003975321	0.931722769
TCEB3C1	grey	-0.022805048	0.623027278	-0.032395289	0.484942537
TCERG1I	grey	-0.137225236	0.002962673	-0.140921366	0.002270035
TCF24	grey	0.020882645	0.652625753	0.011755473	0.799985506
TCF7L1	grey	-0.077665372	0.093660296	-0.082858913	0.073635001
TCL1B	grey	0.019936571	0.667398579	-0.015372303	0.740397068
TCN1	grey	0.258100525	1.52E-08	0.273875832	1.76E-09
TCN2	grey	-0.036836123	0.427095561	-0.059629192	0.198342175
TCP10L2	grey	-0.183629038	6.56E-05	-0.180435673	8.82E-05
TCP11	grey	-0.06706459	0.147890335	-0.068215829	0.141042253
TCP11X2	grey	-0.074812919	0.106386186	-0.051131042	0.270152543
TCTA	grey	0.154587276	0.000802658	0.196430657	1.91E-05
TDO2	grey	-0.106721801	0.021072216	-0.073722141	0.111599448
TDRD12	grey	-0.186931969	4.81E-05	-0.197305624	1.75E-05
TDRD5	grey	-0.235616883	2.59E-07	-0.242382534	1.14E-07
TDRD9	grey	-0.045432636	0.32724297	-0.041342871	0.372707204
TEC	grey	0.123574336	0.007505048	0.134406661	0.003614484
TECPR1	grey	0.195323219	2.13E-05	0.221257912	1.38E-06
TECTA	grey	-0.262382051	8.61E-09	-0.283369342	4.50E-10
TECTB	grey	0.034371938	0.458686037	0.032802571	0.479466969
TEKT5	grey	0.11900957	0.0100507	0.120504683	0.009143159
TEN1	grey	-0.016209699	0.72680499	-0.026672201	0.56532598
TEN1-CD	grey	-0.162097426	0.000436696	-0.188627891	4.09E-05
TENM1	grey	-0.15089902	0.001071811	-0.157742385	0.000623573
TENM2	grey	-0.081535092	0.07837427	-0.078614057	0.089708326
TENM3	grey	-0.122210676	0.008197282	-0.130766395	0.004647884
TENM4	grey	-0.279211321	8.24E-10	-0.289671242	1.77E-10
TEPP	grey	-0.34272526	2.57E-14	-0.343700413	2.15E-14
TESC	grey	0.227404001	6.82E-07	0.224577294	9.44E-07
TESK1	grey	0.143534528	0.001873339	0.149765444	0.001169931
TESK2	grey	-0.186862952	4.84E-05	-0.209237238	5.11E-06
TEX13B	grey	-0.070210113	0.129757889	-0.069298004	0.134829061
TEX19	grey	-0.027109843	0.558960631	-0.0236601	0.610051302
TEX22	grey	0.032586577	0.48236663	0.049122045	0.289449019
TEX29	grey	-0.026661042	0.565488736	-0.02096552	0.651338003
TEX35	grey	-0.053406498	0.249381343	-0.04966599	0.284135331
TEX36	grey	0.127429277	0.005822023	0.140005821	0.002426243
TEX43	grey	-0.03663416	0.429636173	-0.000869393	0.985050594
TFAP2C	grey	-0.023672545	0.609863329	-0.02402973	0.604479208
TFAP2E	grey	-0.158076927	0.000606934	-0.1675182	0.000276772
TFB1M	grey	0.245608464	7.62E-08	0.239523051	1.62E-07
TFCP2L1	grey	0.085642186	0.064431535	0.079494451	0.086161632
TFF2	grey	0.082115255	0.076267682	0.098299207	0.033693852
TFPI2	grey	0.13970395	0.002479858	0.122237363	0.008183206

TG	grey	0.047074055	0.310050774	0.051033017	0.271073168
TGFA	grey	0.20598767	7.20E-06	0.204242553	8.63E-06
TGFB3I	grey	0.031210248	0.501064635	0.041069118	0.375883632
TGIF1	grey	0.150663188	0.001091577	0.109669745	0.017750264
TGIF2	grey	-0.358313309	1.36E-15	-0.350970528	5.53E-15
TGIF2-C2	grey	-0.193476134	2.56E-05	-0.192526484	2.81E-05
TGIF2LY	grey	-0.030621633	0.509176526	-0.034247982	0.460308885
TGM1	grey	-0.229453609	5.38E-07	-0.229508803	5.34E-07
TGM5	grey	0.063025681	0.173925364	0.061749994	0.182819465
TGM7	grey	0.013929342	0.764006687	0.027248228	0.556955116
TH	grey	-0.182122484	7.55E-05	-0.198073472	1.62E-05
THADA	grey	-0.291846966	1.27E-10	-0.297608583	5.26E-11
THBS3	grey	-0.273397308	1.89E-09	-0.289883168	1.71E-10
THEG	grey	-0.036621233	0.429799093	-0.031458001	0.497670805
THEM4	grey	-0.084199992	0.069074801	-0.110376636	0.017025258
THEM5	grey	-0.056378096	0.223968458	-0.062660045	0.176440987
THNSL2	grey	-0.219755544	1.63E-06	-0.217181475	2.16E-06
THRSP	grey	-0.002178008	0.962560188	0.002562173	0.955962607
THSD7B	grey	-0.199011508	1.47E-05	-0.190798477	3.32E-05
TICAM1	grey	0.256398355	1.91E-08	0.255554439	2.13E-08
TIGD6	grey	0.175877356	0.000133248	0.153775607	0.000855868
TIMP4	grey	-0.156907329	0.000666968	-0.158606122	0.000581453
TINAG	grey	-0.047277739	0.307959628	-0.047282832	0.307907462
TINAGL1	grey	0.132285771	0.00418786	0.131036652	0.004562864
TJAP1	grey	-0.254666989	2.39E-08	-0.277926684	9.92E-10
TKTL1	grey	-0.179674073	9.45E-05	-0.184269522	6.18E-05
TLCD2	grey	-0.072894968	0.115685171	-0.050285487	0.278164224
TLDC1	grey	0.069999034	0.13091812	0.086916072	0.060546676
TLDC2	grey	-0.223790892	1.03E-06	-0.222584207	1.18E-06
TLE1	grey	0.185600235	5.46E-05	0.159152274	0.0005562
TLE3	grey	0.232912024	3.58E-07	0.229895543	5.11E-07
TLE6	grey	0.438958264	2.04E-23	0.4313351	1.39E-22
TLL2	grey	-0.054184309	0.242543295	-0.060083438	0.194939119
TLN2	grey	0.015629779	0.736209044	-0.004998514	0.914209885
TLR5	grey	0.157913732	0.000614999	0.13109881	0.004543509
TLX1	grey	-0.011555664	0.803315079	-0.006519779	0.888251117
TLX1NB	grey	-0.113630037	0.014012318	-0.10320978	0.025723281
TLX2	grey	-0.046705691	0.313856311	-0.062238365	0.179375643
TLX3	grey	0.044065847	0.342020516	0.039159491	0.398501938
TM4SF1	grey	0.028746826	0.53546362	0.031908898	0.491525637
TM4SF19	grey	-0.043740888	0.345595584	-0.032781324	0.479751787
TM4SF20	grey	-0.095929944	0.038238478	-0.092254437	0.04631148
TM4SF4	grey	-0.020174866	0.663665218	-0.021229384	0.64724491
TM6SF2	grey	-0.170486613	0.000214323	-0.182985511	6.97E-05
TMBIM1	grey	-0.159344502	0.000547556	-0.146178242	0.00153754

TMC7	grey	-0.118559604	0.010339059	-0.134856246	0.003502487
TMCC2	grey	-0.342450116	2.70E-14	-0.349578229	7.19E-15
TMCO1	grey	-0.200245474	1.30E-05	-0.208816734	5.35E-06
TMCO4	grey	0.091279552	0.048678305	0.11126778	0.016148278
TMCO6	grey	-0.089916472	0.052156612	-0.121245055	0.008721344
TMEM10	grey	-0.169629781	0.000230842	-0.164963109	0.000343746
TMEM10	grey	0.103507366	0.025297475	0.104481919	0.023945313
TMEM10	grey	-0.377734711	2.76E-17	-0.373096564	7.17E-17
TMEM11	grey	0.099378128	0.031782004	0.113295273	0.014299036
TMEM11	grey	0.118904529	0.010117368	0.112199315	0.015274105
TMEM12	grey	-0.209968706	4.73E-06	-0.218689333	1.83E-06
TMEM12	grey	0.090042344	0.05182696	0.10272274	0.026433502
TMEM13	grey	-0.27985513	7.51E-10	-0.263056113	7.86E-09
TMEM13	grey	-0.184967617	5.79E-05	-0.166490652	0.000302089
TMEM13	grey	-0.129232176	0.005158207	-0.114299151	0.013454359
TMEM13	grey	0.101673439	0.02802121	0.111493132	0.015932878
TMEM14	grey	0.066164753	0.153417054	0.050113009	0.279818056
TMEM14	grey	0.028162465	0.543794222	0.031051092	0.503251259
TMEM15	grey	-0.187231963	4.67E-05	-0.190881807	3.29E-05
TMEM15	grey	0.200957046	1.21E-05	0.175314958	0.000140114
TMEM15	grey	-0.082261325	0.075744615	-0.07683651	0.097225951
TMEM15	grey	-0.095707187	0.038691306	-0.102044192	0.027451101
TMEM15	grey	-0.081930595	0.076933135	-0.120534292	0.009125947
TMEM15	grey	0.17931934	9.76E-05	0.165869177	0.000318434
TMEM16	grey	-0.169983731	0.000223879	-0.182435348	7.33E-05
TMEM17	grey	-0.373978479	5.98E-17	-0.340450084	3.89E-14
TMEM17	grey	-0.121161154	0.008768258	-0.119074095	0.01000994
TMEM18	grey	-0.075574167	0.102863301	-0.080432666	0.082507188
TMEM19	grey	0.065615416	0.15686716	0.050735548	0.273880021
TMEM19	grey	-0.082134247	0.076199508	-0.120649583	0.009059203
TMEM20	grey	-0.04982094	0.282633777	-0.042763241	0.356493789
TMEM20	grey	-0.083854908	0.070225533	-0.08248639	0.074944389
TMEM21	grey	0.221418727	1.35E-06	0.245446988	7.77E-08
TMEM21	grey	-0.209551837	4.94E-06	-0.21481131	2.81E-06
TMEM21	grey	0.015092345	0.744959484	0.002384392	0.959015441
TMEM22	grey	-0.288163899	2.21E-10	-0.270661838	2.77E-09
TMEM22	grey	-0.194265533	2.37E-05	-0.167255832	0.000283041
TMEM22	grey	0.247728128	5.83E-08	0.244204116	9.08E-08
TMEM23	grey	0.005683414	0.902509811	0.013919694	0.764165326
TMEM23	grey	0.003091746	0.946872838	0.013322367	0.774005151
TMEM25	grey	-0.049215748	0.288528929	-0.065081729	0.160274824
TMEM25	grey	-0.037208843	0.422429874	-0.020815044	0.65367693
TMEM25	grey	0.100312781	0.030201504	0.065299897	0.158875115
TMEM26	grey	-0.007792218	0.866628498	-0.033451689	0.470810076
TMEM26	grey	0.028695085	0.536198639	0.054102561	0.24325573

TMEM26 grey	-0.033080975	0.475743499	-0.032893383	0.47825068
TMEM27 grey	0.068101496	0.14171129	0.050937197	0.27197515
TMEM37 grey	0.142720478	0.001989524	0.15815357	0.000603181
TMEM42 grey	-0.119033868	0.010035333	-0.112722267	0.014801787
TMEM44 grey	-0.138606121	0.00268408	-0.138687507	0.00266843
TMEM51 grey	-0.026866707	0.562492664	-0.015200697	0.743192631
TMEM59 grey	-0.186513831	5.00E-05	-0.172013338	0.0001876
TMEM61 grey	-0.002340766	0.959764683	-0.011990839	0.79606806
TMEM63 grey	-0.295937857	6.81E-11	-0.303162538	2.20E-11
TMEM72 grey	0.136763317	0.003061578	0.127793929	0.005681874
TMEM74 grey	-0.029814335	0.520412653	-0.045976715	0.321477196
TMEM74 grey	-0.120688085	0.009037011	-0.132101459	0.004241381
TMEM79 grey	0.14448536	0.001745515	0.116909204	0.011460529
TMEM80 grey	0.08127947	0.079317302	0.064566367	0.163618128
TMEM81 grey	0.068331646	0.140367	0.047316032	0.307567531
TMEM82 grey	-0.068433217	0.139776851	-0.061033101	0.187962861
TMEM88 grey	-0.194552078	2.30E-05	-0.192292078	2.87E-05
TMEM8C grey	-0.06489891	0.161454885	-0.080952872	0.080535537
TMEM92 grey	0.013376718	0.773108299	0.036171203	0.435492891
TMEM98 grey	-0.001089094	0.981273419	-0.037854987	0.414412408
TMEM99 grey	0.020973788	0.651209594	0.025754332	0.578787712
TMIE grey	-0.271129392	2.59E-09	-0.289960389	1.69E-10
TMIGD1 grey	-0.063130063	0.173212132	-0.058424886	0.207573581
TMOD4 grey	-0.059646851	0.198209076	-0.062982868	0.17421854
TMPRSS1 grey	0.030923885	0.505002553	0.022671757	0.625060759
TMPRSS4 grey	-0.08442974	0.06831727	-0.077946313	0.092475727
TMPRSS6 grey	-0.257491062	1.65E-08	-0.251336862	3.68E-08
TMSB4X grey	0.191927269	2.98E-05	0.211667843	3.94E-06
TMSB4Y grey	0.100674084	0.029608839	0.095133434	0.039878609
TMUB2 grey	0.146587569	0.001490793	0.150054779	0.00114413
TMX2-C1 grey	-0.099427918	0.031696061	-0.107636031	0.019988517
TNF grey	-0.106558559	0.021270996	-0.104607847	0.023775234
TNFAIP2 grey	-0.104786495	0.023535744	-0.075932534	0.10123719
TNFAIP3 grey	-0.043593048	0.347229884	-0.052827357	0.254559259
TNFAIP6 grey	-0.15321976	0.000894169	-0.140713878	0.002304609
TNFRSF1 grey	0.176643677	0.0001244	0.187194853	4.69E-05
TNFRSF1 grey	0.049674119	0.284056415	0.032405911	0.484799305
TNFRSF1 grey	-0.109722292	0.017695458	-0.094749492	0.040690214
TNFRSF1 grey	-0.032753605	0.480123494	-0.052985519	0.253137842
TNFRSF1 grey	-0.00187589	0.96775053	0.003559406	0.93885146
TNFRSF1 grey	-0.18794	4.37E-05	-0.178146659	0.000108627
TNFRSF1 grey	0.163880086	0.000376462	0.197664212	1.69E-05
TNFRSF1 grey	-0.00651407	0.888348327	-0.001601887	0.972459051
TNFRSF2 grey	0.113777094	0.013887975	0.114981836	0.012905344
TNFRSF2 grey	-0.032012381	0.490121045	-0.034927232	0.451455415

TNFSF11 grey	0.077648595	0.093731416	0.107154938	0.020552588
TNFSF12 grey	-0.017396521	0.707688079	-0.007086421	0.878610913
TNFSF15 grey	0.172649264	0.000177418	0.174104077	0.00015604
TNFSF18 grey	0.070199171	0.129817836	0.05436028	0.241014665
TNFSF4 grey	-0.064147635	0.166372933	-0.066578048	0.150859501
TNFSF9 grey	0.14393168	0.00181894	0.167944296	0.000266867
TNIK grey	-0.18818109	4.27E-05	-0.186577843	4.97E-05
TNIP1 grey	0.136901751	0.003031627	0.165287117	0.000334486
TNK2 grey	-0.327933466	3.60E-13	-0.329267389	2.86E-13
TNKS1BI grey	0.08841626	0.056221899	0.088721314	0.055374613
TNMD grey	-0.173417852	0.000165803	-0.168269969	0.00025952
TNN grey	-0.100634278	0.029673642	-0.108690643	0.018798935
TNNC1 grey	0.061925497	0.181576297	0.073604344	0.112174267
TNNI1 grey	0.053630438	0.247398974	0.040922104	0.37759632
TNNI3K grey	-0.018787739	0.685511217	-0.036149271	0.43577148
TNNT2 grey	0.132863118	0.00402414	0.115094332	0.012816797
TNNT3 grey	-0.24515132	8.07E-08	-0.243976541	9.34E-08
TOMM40 grey	-0.109896744	0.017514563	-0.108959184	0.018506069
TOR4A grey	-0.079665856	0.085484429	-0.061019313	0.188062819
TOX grey	-0.139775276	0.002467094	-0.126064946	0.006374351
TOX2 grey	-0.279265812	8.18E-10	-0.260926138	1.05E-08
TOX3 grey	0.264268139	6.67E-09	0.259898595	1.20E-08
TP53 grey	0.261705041	9.43E-09	0.24914235	4.87E-08
TP53I3 grey	0.242843553	1.07E-07	0.252070596	3.35E-08
TP53TG3 grey	-0.0906901	0.050157885	-0.099912965	0.030869159
TP53TG3 grey	0.051137188	0.270094885	0.056690734	0.221406202
TP53TG3 grey	-0.304178631	1.87E-11	-0.306802437	1.23E-11
TP63 grey	0.14280813	0.001976704	0.137120123	0.002984921
TPBG grey	0.136152583	0.003196955	0.162104798	0.000436429
TPBGL grey	-0.20666653	6.71E-06	-0.199153442	1.45E-05
TPD52L1 grey	-0.065967674	0.154648127	-0.055382866	0.232265488
TPD52L2 grey	-0.261502041	9.69E-09	-0.249137842	4.88E-08
TPK1 grey	-0.074573398	0.107514144	-0.070609018	0.12758698
TPO grey	-0.066113279	0.15373787	-0.074437565	0.108157992
TPRG1 grey	0.042290029	0.361845564	0.032390969	0.485000789
TPTE grey	-0.122049361	0.008282827	-0.118847409	0.010153787
TPTE2 grey	-0.029493151	0.524918116	0.032873921	0.478511201
TRABD2 grey	-0.005237933	0.91011767	-0.016594909	0.720580891
TRABD2 grey	-0.102377005	0.026947857	-0.132296071	0.004184887
TRAPPC2 grey	0.054710746	0.237990419	0.010526127	0.82052623
TRAPPC4 grey	0.112523062	0.01498017	0.111001067	0.016406506
TREM1 grey	0.028464466	0.539480902	0.05627324	0.224832532
TREML2 grey	-0.160142398	0.000512996	-0.174959372	0.000144625
TREX1 grey	0.103153276	0.025804825	0.063463834	0.170946112
TREX2 grey	-0.033277585	0.473123519	-0.039380684	0.395840974

TRHDE	grey	-0.246411406	6.89E-08	-0.243425842	1.00E-07
TRIB1	grey	-0.150229022	0.001128846	-0.178279315	0.000107329
TRIB2	grey	-0.209750458	4.84E-06	-0.223861433	1.02E-06
TRIL	grey	-0.192377106	2.85E-05	-0.191249455	3.18E-05
TRIM11	grey	0.159541709	0.000538819	0.170153879	0.000220602
TRIM16	grey	0.231069834	4.45E-07	0.239648548	1.59E-07
TRIM16L	grey	0.162208681	0.000432689	0.147555816	0.001385364
TRIM17	grey	-0.161028035	0.000477014	-0.162986168	0.000405626
TRIM25	grey	0.002750254	0.952733618	-0.008847887	0.84876395
TRIM26	grey	0.162499662	0.000422369	0.185273515	5.63E-05
TRIM27	grey	-0.040938379	0.377406488	-0.009458374	0.838467617
TRIM36	grey	0.204518734	8.39E-06	0.230002583	5.04E-07
TRIM39	grey	-0.280227774	7.12E-10	-0.296192091	6.55E-11
TRIM39-I	grey	0.091976387	0.046976475	0.100860596	0.029306815
TRIM46	grey	-0.186184522	5.16E-05	-0.193534268	2.54E-05
TRIM47	grey	-0.152390779	0.000954239	-0.146418675	0.001509921
TRIM49D	grey	-0.083775301	0.070493207	-0.085152592	0.065978157
TRIM50	grey	-0.210551157	4.45E-06	-0.201356857	1.16E-05
TRIM54	grey	-0.067876009	0.143037886	-0.033705581	0.467447615
TRIM58	grey	-0.192561473	2.80E-05	-0.228603722	5.94E-07
TRIM6-T	grey	-0.075175986	0.104694282	-0.0770969	0.09609432
TRIM62	grey	-0.067232238	0.146877627	-0.047398299	0.306726283
TRIM64	grey	0.011132159	0.810383965	0.047818156	0.302456561
TRIM65	grey	0.110803892	0.016599725	0.091953979	0.047030413
TRIM7	grey	-0.034287273	0.459794137	-0.004485666	0.922983091
TRIM8	grey	-0.065972625	0.15461711	-0.081132474	0.079863749
TRIP10	grey	0.150813209	0.001078965	0.139041788	0.002601269
TRIP6	grey	-0.152950752	0.000913268	-0.148372992	0.001301766
TRMT44	grey	-0.066673738	0.15027199	-0.101503184	0.028286402
TRNP1	grey	-0.246471495	6.83E-08	-0.203848009	8.99E-06
TRPC3	grey	-0.139764941	0.002468939	-0.130179439	0.004837479
TRPC6	grey	0.07900638	0.088113629	0.06147816	0.184757376
TRPC7	grey	-0.112914606	0.014631325	-0.092404133	0.045956745
TRPM1	grey	-0.095825034	0.038451181	-0.099503781	0.031565495
TRPM6	grey	0.104813411	0.023499842	0.110431206	0.016970381
TRPM8	grey	0.086856123	0.060725056	0.100889571	0.029260133
TRPV3	grey	-0.177426832	0.000115931	-0.193255469	2.61E-05
TRPV4	grey	0.137662737	0.002871685	0.14722749	0.001420321
TRPV6	grey	0.016067576	0.729105949	-0.006665878	0.885763912
TSC22D4	grey	-0.118414569	0.010433555	-0.105032313	0.02320962
TSHR	grey	-0.185922834	5.29E-05	-0.174661349	0.00014851
TSKS	grey	-0.098008102	0.034226181	-0.087298928	0.059417661
TSPAN10	grey	-0.072586709	0.117237424	-0.099170872	0.032141895
TSPAN12	grey	-0.154575898	0.000803382	-0.172579393	0.000178511
TSPAN14	grey	0.16119324	0.000470567	0.171205695	0.000201321



TSPEAR	grey	-0.175613465	0.00013643	-0.203515038	9.31E-06
TSPY2	grey	0.047109171	0.309689586	0.042366958	0.360972132
TSPY8	grey	-0.043008401	0.353740821	-0.044187299	0.34069042
TSR2	grey	-0.247138301	6.28E-08	-0.237738724	2.01E-07
TTBK1	grey	-0.195749437	2.04E-05	-0.183081447	6.91E-05
TTC22	grey	-0.20140316	1.16E-05	-0.176276521	0.000128568
TTC23	grey	0.10004894	0.030640689	0.088664613	0.055531294
TTC36	grey	-0.067536729	0.145051826	-0.070491158	0.128225443
TTC38	grey	0.458704725	1.12E-25	0.436451705	3.85E-23
TTC39A	grey	0.05230503	0.259292751	0.079839228	0.084803825
TTC7A	grey	0.070626098	0.127494663	0.11536854	0.012603204
TTC9B	grey	0.101493312	0.028301844	0.089620147	0.052939575
TTLL11	grey	0.065226525	0.159344819	0.078462082	0.090332257
TTLL2	grey	-0.148498832	0.001289313	-0.156960056	0.000664147
TTPA	grey	0.01968183	0.671398689	0.030889522	0.505476186
TTYH1	grey	-0.192407698	2.84E-05	-0.187529727	4.54E-05
TUBA1A	grey	-0.028785241	0.534918235	-0.025732738	0.57910622
TUBA3C	grey	-0.006698329	0.885211616	-0.006393616	0.890399807
TUBA3E	grey	0.045207538	0.329647846	0.026604615	0.566312074
TUBB2A	grey	-0.201566701	1.14E-05	-0.186789969	4.87E-05
TUBB2B	grey	-0.238983929	1.73E-07	-0.252458495	3.19E-08
TUBB8	grey	-0.016225883	0.726543135	-0.03178476	0.493213417
TUBGCP	grey	0.16507069	0.000340645	0.162381716	0.000426524
TULP1	grey	-0.259601174	1.25E-08	-0.264811568	6.20E-09
TUSC3	grey	-0.02427658	0.600770722	-0.052349638	0.258886139
TXNDC1	grey	0.223275243	1.10E-06	0.262136858	8.90E-09
TXNL4B	grey	0.190683213	3.36E-05	0.180080838	9.11E-05
TXNRD3	grey	-0.166414104	0.000304059	-0.175266483	0.000140721
TYRO3	grey	-0.09487923	0.040414418	-0.113936229	0.013754514
TYRP1	grey	-0.084291272	0.06877301	-0.068137197	0.141502121
TYW1B	grey	0.047305614	0.307674178	0.043363286	0.349779519
UAP1L1	grey	0.279976411	7.38E-10	0.300545158	3.33E-11
UBAC1	grey	0.004857273	0.916625082	0.020787272	0.654108963
UBAC2	grey	0.060015588	0.195444702	0.065767662	0.155905159
UBASH3	grey	0.059697454	0.19782803	0.084508161	0.068060264
UBB	grey	0.16768793	0.000272786	0.175257814	0.00014083
UBBP4	grey	0.204622358	8.30E-06	0.227114569	7.06E-07
UBC	grey	0.083551899	0.071248844	0.095360419	0.039405261
UBE2D2	grey	0.202297852	1.05E-05	0.219973296	1.59E-06
UBE2D4	grey	0.00850875	0.854495012	0.008606575	0.852841082
UBE2E2	grey	-0.403595351	1.01E-19	-0.394158184	8.29E-19
UBE2I	grey	0.051151495	0.269960719	0.063208702	0.172676232
UBE2L3	grey	0.205200402	7.81E-06	0.205897584	7.27E-06
UBE2Q2	grey	-0.036405068	0.43252863	-0.039003066	0.400390205
UBE2U	grey	-0.175833414	0.000133773	-0.183874604	6.41E-05

UBIAD1	grey	0.092186523	0.046473173	0.043351346	0.349912334
UBOX5	grey	-0.15051369	0.00110428	-0.153551295	0.000871138
UBQLNL	grey	-0.021810066	0.638274781	-0.027039114	0.559987008
UCMA	grey	-0.069974058	0.131055936	-0.078638692	0.089607512
UCN2	grey	-0.160185562	0.000511185	-0.142617841	0.002004632
UCP1	grey	-0.109699481	0.017719232	-0.110100671	0.017305153
UCP3	grey	-0.051366482	0.267950088	-0.06298128	0.174229419
UGT1A1	grey	-0.063828901	0.168493049	-0.065935239	0.154851454
UGT1A6	grey	-0.019947348	0.667229554	-0.020748713	0.654709022
UGT1A8	grey	-0.047129659	0.309478986	-0.048962827	0.291016929
UGT1A9	grey	-0.101706276	0.027970309	-0.09964617	0.031321673
UGT2A2	grey	-0.049226501	0.288423468	-0.046584484	0.315115155
UGT2A3	grey	-0.099792206	0.031073282	-0.092089109	0.046705926
UGT2B1	grey	-0.134158048	0.003677801	-0.120227155	0.009305894
UGT2B15	grey	-0.078495599	0.090194354	-0.069017059	0.136421436
UGT2B17	grey	-0.133074559	0.003965645	-0.121124941	0.008788576
UGT2B4	grey	0.041218985	0.374142629	0.030489256	0.511010252
UGT3A1	grey	-0.134569788	0.003573477	-0.168819437	0.000247553
UGT3A2	grey	-0.088763931	0.055257095	-0.080715349	0.081430997
UGT8	grey	0.113290394	0.014303253	0.114309368	0.013445993
ULK3	grey	0.251245695	3.72E-08	0.24064329	1.41E-07
UNC13A	grey	-0.030543712	0.5102555	-0.037737559	0.415862766
UNC45B	grey	0.006254671	0.892767115	0.014344704	0.75718703
UNC5A	grey	-0.112449308	0.015046691	-0.096086512	0.037922898
UNC5C	grey	0.05753045	0.214628035	0.060361838	0.192874654
UNC5CL	grey	-0.084339508	0.068613968	-0.09747023	0.03522862
UNC80	grey	-0.222645695	1.18E-06	-0.215251806	2.68E-06
UNC93A	grey	0.197696048	1.68E-05	0.188856153	4.00E-05
UNCX	grey	-0.021708564	0.639838979	-0.027982603	0.546371188
UNK	grey	-0.117798717	0.010843396	-0.144963075	0.001684357
UPK1A	grey	-0.118331532	0.010488002	-0.127251273	0.005891558
UPK2	grey	-0.169677425	0.000229893	-0.177795726	0.000112132
UPK3A	grey	0.05587165	0.228163812	0.027034126	0.560059412
UPK3B	grey	-0.269172187	3.41E-09	-0.266342815	5.03E-09
UPK3BL	grey	-0.092813523	0.044998246	-0.090398274	0.050904192
UPP1	grey	0.040477593	0.382803907	0.066969468	0.148467298
UQCC1	grey	-0.256237571	1.95E-08	-0.254264868	2.52E-08
UQCRH	grey	0.244700366	8.53E-08	0.263579118	7.32E-09
UQCRHL	grey	0.186781111	4.88E-05	0.202379966	1.05E-05
URAD	grey	-0.09794595	0.034340759	-0.106391309	0.021476341
URGCP	grey	-0.007533078	0.871024558	-0.011234719	0.808670664
URGCP-M	grey	0.002802122	0.951843268	0.005320835	0.90870124
USB1	grey	0.306975255	1.20E-11	0.342605125	2.62E-14
USH2A	grey	0.050316355	0.277868941	0.058697169	0.205459734
USP11	grey	-0.356492095	1.93E-15	-0.352196412	4.39E-15

USP17L1	grey	0.024173097	0.602324131	0.022439501	0.62861082
USP17L3	grey	-0.006936608	0.88115798	-0.026477777	0.5681649
USP17L4	grey	-0.022582529	0.626423593	-0.033006699	0.47673534
USP17L8	grey	-0.072217592	0.119117514	-0.074222369	0.109184244
USP20	grey	0.067974451	0.142457568	0.077410914	0.094743642
USP35	grey	-0.0929927	0.044584058	-0.121108529	0.008797799
USP44	grey	-0.287454797	2.46E-10	-0.312323329	5.03E-12
USP6	grey	-0.143720838	0.001847637	-0.147682684	0.00137207
UTF1	grey	-0.102235367	0.027161048	-0.103281766	0.025619715
UTS2	grey	-0.042080731	0.364228524	-0.034227003	0.46058387
UTS2R	grey	-0.060190669	0.194142044	-0.072204709	0.119183556
VAMP1	grey	-0.096798801	0.036514926	-0.086703843	0.061180124
VANGL2	grey	0.007940306	0.86411816	-0.017040922	0.713397344
VASN	grey	-0.385380172	5.53E-18	-0.364156143	4.32E-16
VASP	grey	-0.014182361	0.759850261	-0.002513216	0.956803238
VAT1	grey	0.010898011	0.814298901	0.007989471	0.863285033
VAV2	grey	0.170698609	0.000210411	0.157141838	0.000654507
VAX1	grey	0.129545615	0.005050022	0.101788581	0.027843076
VCY	grey	-0.043795329	0.344994995	-0.040738018	0.379747639
VCY1B	grey	-0.011006903	0.812477649	0.007306634	0.874869215
VDR	grey	0.188804806	4.02E-05	0.21506963	2.73E-06
VEGFA	grey	0.023820089	0.607636706	0.008499474	0.854651875
VGLL1	grey	-0.242022474	1.19E-07	-0.242417548	1.13E-07
VGLL2	grey	-0.082013788	0.076632752	-0.090692315	0.050152256
VIL1	grey	0.071422213	0.123248762	0.054334846	0.241235191
VILL	grey	-0.129815018	0.004958675	-0.109116497	0.018336362
VIMP	grey	0.223156986	1.11E-06	0.21764158	2.06E-06
VIPR1	grey	0.28547998	3.30E-10	0.257693464	1.61E-08
VLDLR	grey	0.197060385	1.79E-05	0.173325106	0.000167166
VNN1	grey	0.035818758	0.439982176	0.022894082	0.621670577
VOPP1	grey	-0.001332887	0.97708252	-0.000367048	0.993688233
VPREB1	grey	0.041962208	0.365582308	0.050322726	0.277808027
VPS26B	grey	0.365120054	3.57E-16	0.365077428	3.60E-16
VPS33B	grey	0.019260588	0.67803365	0.015997576	0.730240126
VPS37D	grey	0.050859528	0.272707779	0.048248619	0.298120094
VPS39	grey	0.179170589	9.90E-05	0.171518613	0.000195897
VPS53	grey	0.288105459	2.23E-10	0.309971656	7.38E-12
VSIG1	grey	-0.017163672	0.711424718	-0.000432167	0.992568474
VSIG10	grey	0.119167444	0.009951232	0.083281083	0.072173712
VSTM1	grey	-0.08862515	0.055640558	-0.097996642	0.034247282
VSTM2A	grey	-0.02865266	0.536801693	-0.042890105	0.355067525
VSTM2B	grey	-0.164741535	0.000350216	-0.178706348	0.000103249
VSTM2L	grey	-0.223713811	1.04E-06	-0.215205943	2.69E-06
VSTM5	grey	-0.222401659	1.21E-06	-0.229801813	5.16E-07
VSX1	grey	-0.122826632	0.007877845	-0.122490713	0.008050648

VSX2	grey	-0.047328882	0.30743603	-0.023028757	0.619620844
VWA5A	grey	0.036440278	0.432083348	0.028623454	0.537217044
VWCE	grey	-0.239211834	1.68E-07	-0.268259891	3.86E-09
WBP1	grey	0.122974596	0.007802786	0.096067056	0.037961993
WDR25	grey	-0.028727172	0.53574276	0.022722067	0.624292902
WDR59	grey	0.170435338	0.00021528	0.173195689	0.000169085
WDR72	grey	-0.072103539	0.119703179	-0.086341813	0.062273305
WDR86	grey	-0.137620078	0.002880443	-0.151541023	0.001019664
WDR91	grey	-0.000758497	0.986957296	-0.013178639	0.776378263
WFDC10	grey	0.037256172	0.421839558	0.052646583	0.256190666
WFIKKN	grey	0.082092204	0.076350493	0.067691452	0.144130735
WIPI1	grey	0.162777461	0.000412732	0.163558695	0.000386714
WIPI2	grey	-0.203155079	9.66E-06	-0.180228326	8.99E-05
WISP3	grey	-0.239959958	1.53E-07	-0.2257873	8.22E-07
WNK2	grey	0.202743938	1.01E-05	0.194488626	2.31E-05
WNK4	grey	0.019626282	0.672272179	0.02459404	0.596016568
WNT1	grey	-0.036834854	0.427111494	-0.015827079	0.733005104
WNT10A	grey	-0.293372385	1.01E-10	-0.299025755	4.22E-11
WNT10B	grey	-0.031501083	0.497081894	-0.028923784	0.532953631
WNT11	grey	-0.198985798	1.48E-05	-0.199835989	1.36E-05
WNT3	grey	-0.157840546	0.000618648	-0.150604474	0.001096549
WNT3A	grey	0.046686778	0.314052524	0.060731809	0.190155982
WNT5B	grey	-0.150564754	0.001099925	-0.185846122	5.33E-05
WNT7A	grey	-0.322260218	9.56E-13	-0.312562307	4.84E-12
WNT7B	grey	-0.044848522	0.333507016	-0.03285498	0.478764831
WNT8B	grey	-0.100752702	0.029481207	-0.100851011	0.029322271
WSCD1	grey	-0.109309439	0.018130074	-0.133848987	0.003757913
WTIP	grey	-0.369662945	1.44E-16	-0.362720593	5.74E-16
WWOX	grey	-0.035217435	0.447702329	-0.036834637	0.427114221
XAGE1A	grey	-0.091087795	0.049155572	-0.09685089	0.036413728
XAGE1B	grey	-0.103229256	0.025695225	-0.111881665	0.015567412
XAGE2B	grey	-0.285824806	3.14E-10	-0.310269281	7.03E-12
XAGE3	grey	-0.138455578	0.002713248	-0.136567252	0.00310446
XAGE5	grey	-0.098393401	0.033523121	-0.096780632	0.036550281
XCL1	grey	-0.215574751	2.58E-06	-0.211972848	3.82E-06
XDH	grey	0.12573861	0.006513239	0.12246654	0.008063213
XIRP1	grey	0.067810401	0.143425655	0.052193851	0.26030808
XK	grey	-0.195595619	2.07E-05	-0.181427378	8.05E-05
XKR4	grey	-0.011356901	0.806630748	-0.008111775	0.861213198
XKR7	grey	-0.176333906	0.000127908	-0.177813622	0.00011195
XKR8	grey	0.027994892	0.54619493	0.038578525	0.405541942
XKR9	grey	-0.170764241	0.000209213	-0.177752799	0.000112568
XRCC6B	grey	0.229455543	5.38E-07	0.198253701	1.59E-05
XXbac-BI	grey	0.011438987	0.805261005	-0.021514131	0.642839773
XXbac-BI	grey	0.18565282	5.43E-05	0.196885085	1.82E-05

XXbac-BIgrey	-0.127454314	0.005812302	-0.142792328	0.00197901
XXcos-LIgrey	0.09978561	0.031084465	0.099433829	0.03168587
XYLT2 grey	0.075111609	0.104992718	0.052979495	0.253191879
YBX3 grey	-0.191062473	3.24E-05	-0.169761989	0.000228217
YIPF7 grey	-0.028971509	0.532277703	-0.036341838	0.433328917
YJEFN3 grey	-0.041457607	0.371380846	-0.042950216	0.354392977
YPEL1 grey	-0.048995673	0.290693009	-0.068713637	0.138157423
YWHAH grey	0.127947697	0.005623691	0.15186098	0.000994559
ZAR1 grey	-0.13710047	0.002989097	-0.136584286	0.003100713
ZBED1 grey	0.342006482	2.93E-14	0.331517014	1.92E-13
ZBED6CIgrey	-0.034393668	0.458401871	-0.022177547	0.632625125
ZBTB12 grey	-0.131892671	0.004302754	-0.154723648	0.000794024
ZBTB22 grey	-0.240689498	1.40E-07	-0.255256067	2.22E-08
ZBTB3 grey	0.017220805	0.710507237	0.025638663	0.580494737
ZBTB7C grey	-0.033490209	0.470299076	-0.013473668	0.771509259
ZBTB8B grey	-0.135603629	0.003323253	-0.150437798	0.00111078
ZC3H10 grey	-0.118392328	0.010448114	-0.132672722	0.00407748
ZC3H12Agrey	0.234123681	3.10E-07	0.226405072	7.66E-07
ZC4H2 grey	-0.172072485	0.00018663	-0.192764103	2.74E-05
ZDHHC1'grey	-0.277255592	1.09E-09	-0.279182487	8.28E-10
ZDHHC9 grey	0.198072548	1.62E-05	0.163593186	0.000385602
ZFAND2, grey	0.00886118	0.848539485	0.021810733	0.638264499
ZFHX4 grey	-0.173861124	0.000159433	-0.191003127	3.25E-05
ZFP36 grey	-0.002195862	0.962253517	-0.017064085	0.71302496
ZFP91-C'grey	-0.024305535	0.600336396	-0.047216397	0.308588422
ZFP92 grey	-0.388238998	3.00E-18	-0.410006966	2.33E-20
ZFR2 grey	-0.126043003	0.006383606	-0.119984553	0.009450255
ZFY grey	-0.058785995	0.204773532	-0.066692781	0.150155283
ZGPAT grey	-0.263023107	7.90E-09	-0.271136581	2.59E-09
ZIC1 grey	0.075438934	0.103482284	0.075039223	0.105329082
ZIC2 grey	0.044744945	0.334625777	0.067561585	0.144903551
ZIC3 grey	-0.046222936	0.318889788	-0.040594804	0.381426504
ZIC4 grey	0.019215848	0.67873983	0.036532119	0.430923134
ZIC5 grey	-0.002115658	0.963631244	0.009176172	0.843223855
ZIK1 grey	-0.398309841	3.31E-19	-0.405184893	7.04E-20
ZKSCAN grey	-0.089737393	0.052628619	-0.10060193	0.029726394
ZMIZ2 grey	0.068414519	0.139885348	0.075048576	0.105285573
ZMYND8grey	0.095063236	0.040025968	0.078348921	0.090799095
ZNF114 grey	-0.078502073	0.090167737	-0.094322929	0.041608238
ZNF133 grey	-0.179701543	9.43E-05	-0.192111325	2.92E-05
ZNF135 grey	-0.467369885	1.02E-26	-0.475427644	1.04E-27
ZNF185 grey	-0.19953469	1.40E-05	-0.206738342	6.66E-06
ZNF212 grey	-0.024612748	0.595736943	-0.063219959	0.172599622
ZNF215 grey	-0.02053711	0.658005895	-0.049818072	0.282661522
ZNF219 grey	-0.089737749	0.052627678	-0.105894577	0.022096393

ZNF232	grey	0.140483363	0.002343583	0.114204916	0.013531736
ZNF253	grey	-0.050368407	0.277371499	-0.060352634	0.192942648
ZNF263	grey	0.047535588	0.305325767	0.046681349	0.314108854
ZNF276	grey	0.173110238	0.000170364	0.168991986	0.000243902
ZNF280A	grey	0.132933402	0.00400461	0.1059953	0.021969425
ZNF282	grey	0.289983212	1.69E-10	0.255916386	2.03E-08
ZNF285	grey	-0.410667782	2.00E-20	-0.447300342	2.36E-24
ZNF300	grey	-0.501066712	4.71E-31	-0.515407918	4.75E-33
ZNF321P	grey	0.045935489	0.321911752	0.016828957	0.716808175
ZNF324	grey	-0.020673957	0.655872987	-0.034866724	0.452240169
ZNF324B	grey	0.061879518	0.181901379	0.044036836	0.342338718
ZNF335	grey	-0.031399676	0.498468669	-0.034780469	0.453360182
ZNF346	grey	-0.110097801	0.017308085	-0.111646014	0.015788185
ZNF362	grey	-0.157492496	0.000636276	-0.171519957	0.000195874
ZNF365	grey	-0.10090498	0.029235334	-0.107576888	0.020057126
ZNF385A	grey	-0.015411693	0.739755858	-0.018238936	0.694228532
ZNF385B	grey	0.28793972	2.29E-10	0.248662523	5.18E-08
ZNF385C	grey	-0.184246361	6.19E-05	-0.199933354	1.34E-05
ZNF394	grey	-0.217671193	2.05E-06	-0.203314427	9.50E-06
ZNF418	grey	-0.281229191	6.15E-10	-0.281060368	6.31E-10
ZNF423	grey	-0.12657776	0.00616146	-0.117989203	0.010715133
ZNF467	grey	-0.099824341	0.03101885	-0.084173071	0.069164014
ZNF486	grey	-0.140253249	0.002383088	-0.142019696	0.002094784
ZNF488	grey	-0.142800287	0.001977848	-0.152843531	0.000920985
ZNF503	grey	-0.165473907	0.000329254	-0.166420034	0.000303906
ZNF513	grey	0.07936621	0.086671117	0.056096413	0.226295065
ZNF526	grey	-0.071708545	0.121748873	-0.054769765	0.237483764
ZNF536	grey	-0.178518158	0.000105029	-0.184248225	6.19E-05
ZNF541	grey	-0.061610527	0.183811844	-0.063092156	0.17347089
ZNF544	grey	-0.318151448	1.91E-12	-0.309661439	7.77E-12
ZNF552	grey	0.159790667	0.000527973	0.177297156	0.000117295
ZNF554	grey	0.038831114	0.402472069	0.018465638	0.69062257
ZNF556	grey	0.051396957	0.267665908	0.044764914	0.334409907
ZNF563	grey	-0.076184809	0.10010477	-0.076566535	0.098410431
ZNF574	grey	-0.036409006	0.432478806	-0.031970703	0.490686493
ZNF576	grey	-0.063425656	0.171204186	-0.059118685	0.202218163
ZNF586	grey	0.203295367	9.52E-06	0.220045682	1.58E-06
ZNF589	grey	0.037077469	0.424071006	0.028646962	0.53688272
ZNF625-2	grey	-0.086363829	0.062206369	-0.091789323	0.047428354
ZNF626	grey	-0.21042668	4.50E-06	-0.2189838	1.77E-06
ZNF648	grey	-0.096593704	0.036915713	-0.096066858	0.037962391
ZNF679	grey	-0.176719185	0.000123559	-0.175301536	0.000140282
ZNF703	grey	-0.022835527	0.6225627	-0.009958658	0.830050351
ZNF71	grey	-0.027941903	0.546955163	-0.031931475	0.491219011
ZNF747	grey	-0.050947681	0.271876357	-0.034851432	0.452438627

ZNF76	grey	-0.013349936	0.773550192	0.000314457	0.994592566
ZNF764	grey	-0.026119556	0.573413264	-0.024067414	0.603912406
ZNF768	grey	0.001546705	0.97340743	-0.016324419	0.724949483
ZNF77	grey	0.253704055	2.71E-08	0.244371257	8.89E-08
ZNF771	grey	-0.14139764	0.002192458	-0.133755065	0.00378257
ZNF783	grey	-0.197440889	1.73E-05	-0.222060373	1.26E-06
ZNF785	grey	-0.085077034	0.066219537	-0.085036723	0.066348613
ZNF788	grey	0.04314184	0.352248046	0.027036951	0.560018399
ZNF804A	grey	-0.065135606	0.159928305	-0.051350785	0.268096541
ZNF853	grey	-0.256942057	1.78E-08	-0.246588662	6.73E-08
ZNF90	grey	-0.18377339	6.47E-05	-0.158035228	0.000608986
ZNRF1	grey	0.289084229	1.93E-10	0.335338779	9.77E-14
ZP2	grey	-0.117773696	0.010860344	-0.102025197	0.027480066
ZPLD1	grey	-0.127784863	0.005685321	-0.122426915	0.008083847
ZSCAN1	grey	-0.158323061	0.000594957	-0.15288319	0.000918123
ZSCAN1C	grey	-0.028649224	0.536850555	-0.034180271	0.461196725
ZSCAN2	grey	0.056645657	0.221774337	0.041587909	0.36987808
ZSCAN31	grey	-0.036062994	0.436868406	-0.047812423	0.302514594
ZSCAN5I	grey	0.036324156	0.433552877	0.051582637	0.265938901
ZSWIM3	grey	-0.248122895	5.55E-08	-0.235289715	2.70E-07
ZSWIM4	grey	-0.152683706	0.0009326	-0.160112597	0.000514249
ZSWIM5	grey	0.156549133	0.000686427	0.099282688	0.0319473
ACAP1	grey60	-0.007127749	0.877908491	0.055163288	0.234124972
AGAP2	grey60	0.002185145	0.962437595	0.046406234	0.316972441
AMIGO2	grey60	0.103318907	0.025566423	0.080325287	0.082918985
AMPD1	grey60	-0.073697586	0.111719076	-0.038820739	0.402597894
ANKRD2	grey60	0.361252762	7.65E-16	0.362829964	5.62E-16
APOBEC1	grey60	-0.224969749	9.03E-07	-0.205540265	7.54E-06
APOBEC1	grey60	-0.161544104	0.000457143	-0.108206707	0.019336918
APOBEC1	grey60	-0.257731217	1.60E-08	-0.209555405	4.94E-06
APOBEC1	grey60	0.026178381	0.572549836	0.081969298	0.076793273
ARHGAP	grey60	-0.007753512	0.867284843	0.021873351	0.637300321
ARHGAP	grey60	-0.001116354	0.980804769	0.064554794	0.163693807
ARHGDI	grey60	-0.128607328	0.005380127	-0.06906402	0.136154266
ARHGEF	grey60	0.067005028	0.148251405	0.07372831	0.111569409
ARRDC5	grey60	0.116286371	0.011910943	0.160596746	0.000494233
ATP2A3	grey60	0.123555543	0.007514221	0.174935004	0.000144939
BATF	grey60	0.088996335	0.054619865	0.144083306	0.001798556
BCL11B	grey60	-0.040190784	0.386187125	-0.000405569	0.993025837
BFSP2	grey60	-0.071981435	0.120332674	-0.053451727	0.248980076
BIN2	grey60	-0.061187089	0.186849186	-0.007415709	0.873016921
BLK	grey60	-0.086591156	0.06151868	-0.057613736	0.213963974
C11orf21	grey60	-0.143676441	0.001853732	-0.115930317	0.012175397
C16orf54	grey60	-0.026222925	0.571896438	0.035955392	0.438238666
CCL17	grey60	0.105576576	0.022501441	0.166896716	0.000291836

CCL19	grey60	-0.047529349	0.305389316	-0.007118015	0.878073925
CCL5	grey60	-0.044429901	0.338043444	0.024597365	0.595966873
CCR2	grey60	-0.063367408	0.171598478	-0.025086863	0.588670315
CCR5	grey60	-0.031994584	0.490362457	0.019669912	0.67158605
CCR7	grey60	0.04076545	0.379426588	0.091077958	0.049180162
CD101	grey60	0.105218307	0.02296547	0.150254066	0.001126665
CD19	grey60	-0.049999467	0.280910407	-0.006446607	0.889497211
CD2	grey60	0.030971688	0.504344056	0.099231365	0.032036493
CD244	grey60	-0.024597525	0.595964482	0.020983787	0.651054305
CD247	grey60	-0.001332168	0.977094886	0.065932263	0.154870118
CD27	grey60	0.079231166	0.087210244	0.141778489	0.002132175
CD28	grey60	-0.021201627	0.647674985	0.017225654	0.710429383
CD37	grey60	-0.035108574	0.449108118	0.028213922	0.54305809
CD38	grey60	-0.063217394	0.172617075	-0.003435628	0.94097394
CD3D	grey60	0.075302307	0.104110638	0.149540899	0.001190324
CD3E	grey60	0.045411655	0.327466637	0.110331751	0.01707051
CD3G	grey60	0.025894109	0.576728043	0.085367984	0.065294021
CD40LG	grey60	-0.034617417	0.455481644	0.011035583	0.811998144
CD48	grey60	-0.052930226	0.253634139	0.006474631	0.88901993
CD5	grey60	0.065656179	0.156609154	0.100549952	0.029811326
CD52	grey60	0.017253043	0.70998972	0.085627745	0.064476724
CD6	grey60	-0.033073312	0.475845781	0.031748257	0.493710308
CD7	grey60	0.001633361	0.971918151	0.069512073	0.133625374
CD70	grey60	-0.049424291	0.286488259	-0.013524985	0.77066326
CD79A	grey60	0.017326337	0.708813627	0.076690605	0.097864671
CD79B	grey60	-0.165172453	0.000337736	-0.126273086	0.00628716
CD8A	grey60	0.01903755	0.681556869	0.066859778	0.149134747
CD8B	grey60	-0.009441351	0.838754349	0.002389572	0.958926485
CD96	grey60	0.017731067	0.702331745	0.081580633	0.078207221
CLEC2D	grey60	-0.126643028	0.006134828	-0.112474548	0.015023897
CNR2	grey60	0.004044207	0.930542591	0.033661032	0.468036651
CORO1A	grey60	-0.001607031	0.972370644	0.071931252	0.120592139
CPNE5	grey60	-0.162001185	0.00044019	-0.129954994	0.004911803
CRTAM	grey60	-0.037304571	0.421236385	0.000627939	0.989202147
CST7	grey60	-0.006112102	0.895197148	0.052283379	0.259490262
CTLA4	grey60	0.094439889	0.041354802	0.136320893	0.003159114
CTSW	grey60	-0.051865506	0.263322653	0.002425667	0.958306623
CXCL13	grey60	0.08367195	0.070841965	0.133395672	0.00387828
CXCL9	grey60	0.122255686	0.008173554	0.162389716	0.000426241
CXCR3	grey60	0.048428096	0.296324333	0.115177556	0.012751635
CXCR5	grey60	-0.018112074	0.696249436	0.00781142	0.866302909
CXCR6	grey60	0.01596682	0.730738654	0.072494992	0.117702396
CXorf65	grey60	-0.030136293	0.515916364	0.01305094	0.778488483
CYTIP	grey60	-0.038111344	0.411256509	0.007457976	0.872299334
DEF6	grey60	0.161229366	0.000469168	0.185030703	5.76E-05



DENND1	grey60	0.083819758	0.070343621	0.091084883	0.049162851
DERL3	grey60	0.072210232	0.119155241	0.100574207	0.029771668
DPP9	grey60	0.264178729	6.75E-09	0.280705948	6.64E-10
EAF2	grey60	0.197756368	1.67E-05	0.215954105	2.48E-06
EOMES	grey60	-0.03624497	0.434556623	0.000942122	0.98380017
FAIM3	grey60	0.040910447	0.377732332	0.083098747	0.072801918
FAM159A	grey60	-0.141869118	0.002118055	-0.110577374	0.016824155
FAM78A	grey60	-0.075476447	0.103310283	-0.027885356	0.547767007
FASLG	grey60	0.081512282	0.078458047	0.113648152	0.013996948
FBXO6	grey60	0.185300776	5.61E-05	0.220806541	1.45E-06
FCER2	grey60	-0.002640088	0.954624862	0.023599274	0.610970426
FCRL1	grey60	-0.005259938	0.909741675	0.034353585	0.45892612
FCRL3	grey60	0.038132036	0.411002403	0.081457905	0.078658061
FCRL4	grey60	-0.038891529	0.401739882	0.016794988	0.717355305
FCRL5	grey60	-0.012760631	0.78329185	0.029396791	0.526273687
FCRL6	grey60	0.036029393	0.437296032	0.049782613	0.283004687
FCRLA	grey60	0.006780396	0.883815146	0.055340365	0.232624585
FMNL1	grey60	-0.079067294	0.087868084	-0.030797828	0.506741162
FOXP3	grey60	0.07505501	0.10525565	0.134127747	0.003685586
GBP5	grey60	0.04713214	0.309453486	0.083631942	0.07097735
GFI1	grey60	0.019954842	0.66711204	0.072188789	0.119265206
GMFG	grey60	-0.107632543	0.019992557	-0.05366158	0.247124169
GNGT2	grey60	-0.145973497	0.001561424	-0.099437955	0.03167876
GNLY	grey60	-0.052203308	0.260221611	-0.008079449	0.861760702
GPR114	grey60	0.126622644	0.006143134	0.15745128	0.000638394
GPR171	grey60	-0.021914113	0.636673014	0.015794883	0.733527622
GPR174	grey60	-0.019191142	0.679129906	0.023720942	0.609132565
GPR25	grey60	0.063265746	0.172288276	0.111045233	0.016363496
GPR68	grey60	0.220921538	1.43E-06	0.267035684	4.57E-09
GPSM3	grey60	-0.08598933	0.063353086	-0.030894829	0.505403016
GRAP2	grey60	-0.047881793	0.301812863	0.016045507	0.729463466
GZMA	grey60	0.016479383	0.722445596	0.067956351	0.142564131
GZMB	grey60	0.052677748	0.255908899	0.101808784	0.027811921
GZMH	grey60	-0.014337104	0.757311633	0.034078554	0.462532234
GZMK	grey60	-0.041083286	0.375718825	-0.00728608	0.875218336
GZMM	grey60	-0.057833099	0.212222002	-0.001231073	0.978832664
HCST	grey60	-0.073813692	0.111154306	-0.023656837	0.610100596
HLA-DQA1	grey60	-0.063683236	0.169468669	-0.054548527	0.239386906
ICAM3	grey60	0.016592638	0.720617532	0.064214699	0.165929401
ICOS	grey60	0.054217763	0.242252159	0.107201296	0.020497639
IFNG	grey60	0.083580965	0.071150159	0.124058698	0.007272046
IGJ	grey60	0.001021849	0.98242947	0.069270615	0.134983667
IGLL1	grey60	0.008488594	0.854835876	0.027628242	0.551465876
IGLL5	grey60	0.072854111	0.115889978	0.132897422	0.004014597
IKZF3	grey60	0.03369628	0.467570567	0.052225037	0.260023003

IL12RB1	grey60	0.013721596	0.767424491	0.07114542	0.124712316
IL16	grey60	-0.093087448	0.044366338	-0.039098803	0.399233891
IL18BP	grey60	-0.027798277	0.549018368	0.007978873	0.863464605
IL18RAP	grey60	-0.003902926	0.932963227	0.038008725	0.41251809
IL21R	grey60	0.023328315	0.615072162	0.069964561	0.131108366
IL2RB	grey60	0.039436698	0.395168815	0.094252154	0.041762233
IL2RG	grey60	-0.015040568	0.745804259	0.053438731	0.249095323
IL9R	grey60	0.06703034	0.14809788	0.12452442	0.007054134
IRF4	grey60	-0.015827264	0.7330021	0.024301583	0.600395668
ISG20	grey60	0.071520912	0.122730132	0.112469097	0.015028818
ITGAE	grey60	0.199520322	1.40E-05	0.221992779	1.27E-06
ITGAL	grey60	0.020394812	0.660226712	0.074164637	0.109460863
ITK	grey60	-0.015949674	0.731016612	0.023572698	0.611372188
JAKMIP1	grey60	0.101670755	0.028025373	0.129334414	0.005122692
KIF21B	grey60	0.040181556	0.386296277	0.050167144	0.279298257
KIR2DL4	grey60	-0.016352309	0.724498626	0.031771083	0.493399569
KLRB1	grey60	-0.045342063	0.328209256	0.019358174	0.676494342
KLRC1	grey60	-0.108209252	0.019334054	-0.060838276	0.189378867
KLRC2	grey60	-0.004921649	0.915524168	0.035116838	0.449001311
KLRD1	grey60	-0.040457745	0.383037452	0.001931045	0.966802875
KLRF2	grey60	-0.036358378	0.433119496	-0.040143087	0.386751518
LAG3	grey60	-0.041968833	0.365506549	0.010289938	0.824487193
LAIR2	grey60	0.031477635	0.497402365	0.061871136	0.181960691
LAT	grey60	-0.105154412	0.023049091	-0.086347183	0.062256973
LAX1	grey60	0.023248378	0.616284556	0.060186518	0.194172858
LCK	grey60	0.050743566	0.273804106	0.101349403	0.028527783
LPXN	grey60	-0.014104348	0.761131088	0.026411404	0.569135617
LTA	grey60	0.036441067	0.43207337	0.089443107	0.053412012
LY9	grey60	0.012088371	0.794446228	0.057255669	0.216829449
MAP4K1	grey60	-0.254263264	2.52E-08	-0.206752594	6.65E-06
MATK	grey60	-0.136571795	0.00310346	-0.096845201	0.036424768
MEI1	grey60	-0.036197094	0.435164143	0.013728053	0.767318196
MICAL1	grey60	-0.112942113	0.014607089	-0.088592776	0.055730325
MLKL	grey60	0.146198292	0.001535219	0.164108219	0.000369338
MS4A1	grey60	-0.017411961	0.707440562	0.027460851	0.553880541
MYO1G	grey60	-0.006172721	0.894163804	0.050759452	0.273653739
MYO7A	grey60	-0.150822627	0.001078177	-0.121289582	0.008696537
MZB1	grey60	0.040637433	0.380926296	0.097811366	0.034589986
NCR1	grey60	-0.066801317	0.149491408	-0.030599597	0.50948154
NCR3	grey60	0.00498608	0.914422461	0.077415873	0.094722434
NKG7	grey60	-0.044671609	0.335419357	0.022544641	0.62700268
NLRC3	grey60	0.002142037	0.96317809	0.050931938	0.272024715
NLRP6	grey60	0.067526504	0.145112853	0.097730667	0.034740164
NUGGC	grey60	0.028714361	0.535924759	0.063956097	0.167644573
P2RX1	grey60	-0.117493835	0.01105152	-0.085247046	0.065677428

P2RX5	grey60	-0.109704948	0.017713531	-0.105747854	0.022282487
P2RY10	grey60	0.021804856	0.638355017	0.067080604	0.147793368
P2RY8	grey60	-0.027299356	0.556215033	0.012973904	0.779762291
PARP15	grey60	-0.093740524	0.04288983	-0.053972926	0.2443885
PCED1B	grey60	0.201546289	1.14E-05	0.208544631	5.50E-06
PDCD1	grey60	0.081852348	0.077216529	0.125998081	0.006402591
PIM2	grey60	0.006254986	0.892761735	0.064603865	0.163373119
PLA2G2I	grey60	0.016304481	0.725271841	0.051681897	0.265018826
POU2AF1	grey60	0.002066024	0.964483895	0.045543052	0.32606747
PRF1	grey60	-0.012750471	0.7834601	0.038441054	0.407218568
PSTPIP1	grey60	-0.028051794	0.54537914	0.0258356	0.57758977
PTPN7	grey60	0.004984962	0.91444159	0.073005729	0.115131379
PYHIN1	grey60	0.010263862	0.824924763	0.059359569	0.200382468
RAB33A	grey60	-0.175695503	0.000135433	-0.138759573	0.002654642
RAB37	grey60	-0.015864884	0.732391711	0.026171932	0.572644466
RAC2	grey60	-0.104426329	0.024020727	-0.039039881	0.399945315
RASAL3	grey60	0.001087746	0.981296583	0.067987102	0.142383119
RHOH	grey60	0.037931103	0.413473894	0.08617257	0.062789847
RLTPR	grey60	-0.101131079	0.02887351	-0.060669639	0.190610855
RP11-812	grey60	0.00816603	0.860294414	0.062467332	0.177777703
RTP5	grey60	0.002457301	0.95776339	0.02783981	0.548421343
S1PR4	grey60	0.045775837	0.32359821	0.121082236	0.008812591
SASH3	grey60	0.00290741	0.950036133	0.059777836	0.197223853
SCML4	grey60	-0.103703428	0.025020272	-0.05831076	0.208464253
SELL	grey60	-0.004851344	0.916726473	0.032961536	0.477338986
SELPLG	grey60	0.002075669	0.9643182	0.078530918	0.090049221
SEPT1	grey60	-0.012381529	0.789576746	0.040426273	0.383407943
SH2D1A	grey60	0.000339392	0.99416379	0.049571451	0.285054108
SH2D1B	grey60	-0.040789066	0.379150325	-0.011823013	0.798860848
SH2D2A	grey60	-0.229641558	5.26E-07	-0.190831078	3.31E-05
SIRPG	grey60	0.072011773	0.120176031	0.133239893	0.003920443
SIT1	grey60	0.074746433	0.106698343	0.13864671	0.002676265
SLA2	grey60	-0.000743186	0.98722056	0.048079405	0.299819788
SLAMF1	grey60	0.014880184	0.748422986	0.065985845	0.154534312
SLAMF6	grey60	-0.027748518	0.54973405	0.029738893	0.521469148
SLAMF7	grey60	-0.004106972	0.929467422	0.045118721	0.330599876
SNAI3	grey60	-0.06190881	0.181694229	-0.028813122	0.534522584
SNX20	grey60	0.00036943	0.993647273	0.057814976	0.212365528
SOCS1	grey60	-0.121111145	0.008796328	-0.075625463	0.102629281
SP140	grey60	-0.07363567	0.112021177	-0.025162905	0.587540515
SPN	grey60	-0.013863977	0.765081578	0.035223706	0.447621428
SPOCK2	grey60	-0.235442807	2.65E-07	-0.198379216	1.57E-05
STAT4	grey60	-0.056208435	0.225367749	-0.004923292	0.915496059
TBC1D10	grey60	-0.120151974	0.009350419	-0.053830426	0.245637951
TBX21	grey60	-0.008776726	0.849965846	0.050954275	0.271814241

TCL1A	grey60	-0.06171271	0.183084367	-0.035217349	0.447703438
TESPA1	grey60	-0.091982027	0.046962908	-0.042347851	0.361188945
THEMIS	grey60	0.024134825	0.602899084	0.06026904	0.193561006
TIGIT	grey60	0.068761324	0.137883471	0.132792663	0.004043804
TMC8	grey60	-0.068109577	0.141663926	-0.009496761	0.837821094
TMEM15	grey60	-0.05911513	0.202245348	-0.015945589	0.731082841
TMIGD2	grey60	-0.057157148	0.217622681	-0.005005893	0.914083724
TNFRSF1	grey60	-0.00056866	0.990221433	0.031637145	0.495224427
TNFRSF1	grey60	0.014082886	0.761483564	0.066643659	0.150456479
TNFRSF8	grey60	-0.131704642	0.004358712	-0.113980621	0.013717486
TNFRSF9	grey60	-0.009528841	0.837280868	0.03923495	0.397592954
TRAF1	grey60	-0.004608151	0.920886864	0.027716528	0.55019441
TRAF3IP	grey60	0.005746854	0.901427108	0.057349275	0.216077711
TRAT1	grey60	-0.010587181	0.819503069	0.026753353	0.564143022
TSPAN32	grey60	-0.260823566	1.06E-08	-0.231459404	4.25E-07
TTC24	grey60	0.047951489	0.30110892	0.097315278	0.035522001
UBASH3	grey60	0.006571985	0.887362234	0.064511496	0.163977159
VPREB3	grey60	-0.015647268	0.735924855	0.031529102	0.496699085
WAS	grey60	0.004760731	0.918276365	0.05608567	0.226384137
XCL2	grey60	-0.138337961	0.002736238	-0.084922517	0.066715424
ZAP70	grey60	0.04795578	0.301065616	0.0956213	0.038867109
ZBED2	grey60	-0.11715133	0.01128954	-0.096391644	0.037314209
ZBP1	grey60	-0.160638167	0.000492554	-0.119139332	0.009968879
ZBTB32	grey60	-0.076340143	0.099412523	-0.058252369	0.208921014
ZC3H12C	grey60	-0.044735205	0.334731108	-0.001718515	0.970454774
ZNF683	grey60	0.036528395	0.430970133	0.099299951	0.031917348
ZNF831	grey60	0.004008621	0.931152238	0.041873349	0.3665993
ABCG8	ivory	-0.1894252	3.79E-05	-0.191065839	3.24E-05
ADRA1A	ivory	2.95E-05	0.999492268	-0.009671332	0.834882285
BMPER	ivory	-0.139335886	0.002546691	-0.164805263	0.000348343
C10orf10	ivory	-0.063511554	0.170623951	-0.061203675	0.186729525
C11orf87	ivory	-0.093899608	0.042536505	-0.109471124	0.017958768
CCDC144	ivory	-0.107593893	0.020037379	-0.122927317	0.0078267
CDH7	ivory	-0.094142856	0.042000995	-0.085605803	0.064545435
CDH8	ivory	-0.112233597	0.015242742	-0.110023526	0.017384114
DHRS7C	ivory	0.011131671	0.810392124	0.003457772	0.940594193
FAM196E	ivory	-0.039944434	0.389107567	-0.040901641	0.377835088
FRG2C	ivory	-0.067457855	0.145523101	-0.075313312	0.104059916
GAGE12J	ivory	0.004711925	0.919111304	-0.010170647	0.826489432
GBX2	ivory	0.080053119	0.083970185	0.051030748	0.271094496
HBG1	ivory	0.036535074	0.43088583	0.043169709	0.351936778
KDM4E	ivory	-0.095919596	0.038259415	-0.093279789	0.043927105
KHDC1L	ivory	-0.122969997	0.007805109	-0.10130262	0.028601566
KRTAP1	ivory	-0.057135471	0.217797487	-0.067093798	0.14771352
KRTAP12	ivory	-0.076743102	0.097634477	-0.083535139	0.071305797

LEUTX ivory	-0.043293752	0.350553454	-0.048054751	0.300067957
MBD3L2 ivory	0.040153623	0.386626803	0.031598383	0.495753212
MBD3L3 ivory	0.009160521	0.843487808	-0.009229607	0.842322825
MBD3L5 ivory	-0.027028633	0.560139176	-0.027795768	0.549054436
MC3R ivory	0.025621471	0.580748654	0.020413605	0.659933235
MYF5 ivory	0.054852246	0.236776984	0.041562337	0.370172698
NDST3 ivory	-0.218985037	1.77E-06	-0.21979799	1.62E-06
PAX1 ivory	0.00716145	0.877335774	-0.005844921	0.899753782
PMP2 ivory	-0.019345436	0.676695187	-0.034589267	0.455848469
PRAMEF ivory	-0.091912279	0.047130929	-0.089138048	0.054234305
PRAMEF ivory	-0.028342539	0.541220265	-0.034033155	0.46312901
PRAMEF ivory	-0.054426213	0.240443668	-0.04524734	0.329221787
PRAMEF ivory	-0.047854306	0.302090787	-0.051767796	0.264224365
PRAMEF ivory	-0.070766366	0.126738453	-0.06939966	0.134256421
PRAMEF ivory	-0.061919049	0.18162186	-0.06087732	0.18909447
PRAMEF ivory	-0.113791368	0.013875958	-0.110986947	0.016420277
PRAMEF ivory	-0.02122117	0.647372158	-0.022303501	0.630693598
PRAMEF ivory	0.041502393	0.370863906	0.03483841	0.452607653
PRAMEF ivory	-0.028699562	0.536135029	-0.030311529	0.513477581
PRAMEF ivory	-0.052506359	0.257461094	-0.049367572	0.287042311
PRAMEF ivory	-0.037737252	0.415866558	-0.02801819	0.545860845
PRAMEF ivory	-0.048999029	0.290659932	-0.047117577	0.309603171
RFPL4B ivory	-0.00969007	0.834566989	-0.022579097	0.626476049
SLITRK1 ivory	-0.051615741	0.265631805	-0.050287094	0.278148848
ST8SIA3 ivory	-0.117236112	0.011230203	-0.117925622	0.010757794
TMEM23 ivory	-0.090035483	0.051844883	-0.080417289	0.082566056
TRIM43 ivory	-0.096341293	0.037414077	-0.085925634	0.063549843
TRIM48 ivory	-0.013860208	0.765143576	0.010057071	0.828396804
TRIM49 ivory	0.011172534	0.809709381	0.035816959	0.440005159
TRIM49B ivory	-0.014142856	0.760498774	-0.011537133	0.803624047
TRIM49C ivory	0.015983962	0.730460784	0.026314418	0.570555458
TRIM51 ivory	-0.011369477	0.806420857	0.002260585	0.961141801
TRIM64B ivory	0.024792172	0.593058113	0.02966461	0.522510477
USP17L1 ivory	-0.070949376	0.125757056	-0.074893711	0.106007835
WI2-3308 ivory	-0.079429182	0.086420632	-0.082533881	0.074776414
ZDHHC2 ivory	-0.091356431	0.048488052	-0.093725136	0.042924137
ZNF705A ivory	-0.048388339	0.296721503	-0.032473103	0.483893791
ZNF804B ivory	-0.002833391	0.951306546	-0.012443139	0.788554424
ACSM5 lightcyan	-0.227335497	6.88E-07	-0.220289202	1.53E-06
ADAM19 lightcyan	-0.038874166	0.401950223	-0.023168059	0.617503778
ADAMDI lightcyan	-0.073524373	0.112565825	-0.043020434	0.353606043
AF165138 lightcyan	-0.047542973	0.305250547	-0.040754092	0.379559491
AIM2 lightcyan	-0.08472566	0.0673516	-0.056389908	0.223871269
ANKRD4 lightcyan	-0.130820356	0.004630795	-0.108454693	0.019059585
AOAH lightcyan	-0.136072161	0.003215181	-0.10093126	0.029193078

APBB1IP lightcyan	-0.087109153	0.059975098	-0.035050866	0.449854344
APOL3 lightcyan	-0.172535328	0.000179203	-0.132045704	0.004257692
AQP9 lightcyan	-0.038143317	0.410863894	-0.025361026	0.584601633
ARHGAPlightcyan	-0.209100826	5.19E-06	-0.180995284	8.38E-05
ARHGAPlightcyan	-0.007992404	0.863235344	0.048891931	0.291716907
ARL11 lightcyan	-0.160951205	0.00048004	-0.139041045	0.002601409
BCL2L14 lightcyan	0.01567532	0.735469103	0.060827912	0.189454415
BIRC3 lightcyan	-0.050395893	0.277109063	-0.039697789	0.392044896
BTK lightcyan	-0.114537839	0.01326011	-0.07672439	0.097716475
BTLA lightcyan	-0.06465953	0.163009907	-0.032913239	0.477984961
C3AR1 lightcyan	-0.108564296	0.018938119	-0.079757342	0.085124739
C5orf56 lightcyan	-0.210951762	4.26E-06	-0.176307537	0.000128211
CARD17 lightcyan	-0.057972179	0.211122859	-0.043498352	0.34827928
CASP10 lightcyan	-0.337351099	6.81E-14	-0.306265391	1.34E-11
CASP4 lightcyan	-0.025489097	0.582705496	0.003280259	0.943638731
CASP5 lightcyan	0.012191221	0.792736927	0.012301215	0.790909999
CASS4 lightcyan	-0.181705679	7.84E-05	-0.1611426	0.000472535
CCL13 lightcyan	0.069095223	0.135976964	0.092366842	0.0460449
CCR1 lightcyan	-0.146417977	0.00151	-0.111644019	0.015790065
CCR4 lightcyan	0.073387872	0.113236652	0.110669438	0.016732622
CCR8 lightcyan	0.022314671	0.630522424	0.038091404	0.411501462
CCRL2 lightcyan	-0.074919369	0.1058879	-0.035978225	0.437947692
CD163 lightcyan	-0.177328896	0.000116959	-0.156507906	0.0006887
CD163L1 lightcyan	-0.180240924	8.98E-05	-0.153282343	0.000889779
CD180 lightcyan	0.006403882	0.890224932	0.040704126	0.380144545
CD1D lightcyan	-0.014249197	0.75875347	0.022072507	0.634237852
CD200R1 lightcyan	-0.130077286	0.00487118	-0.089440386	0.053419301
CD209 lightcyan	-0.030553794	0.510115822	-0.005934422	0.898227017
CD226 lightcyan	-0.043334626	0.350098377	-0.016732758	0.718358005
CD274 lightcyan	-0.092001639	0.046915752	-0.060520881	0.191702484
CD4 lightcyan	-0.055746096	0.229212473	-0.009596534	0.836141197
CD53 lightcyan	-0.014794254	0.749827229	0.038372338	0.408058174
CD69 lightcyan	-0.056460501	0.223291056	-0.033894392	0.464955693
CD80 lightcyan	-0.066041939	0.154183348	-0.053485759	0.248678445
CD84 lightcyan	-0.062424562	0.178075387	-0.022219148	0.631986878
CD86 lightcyan	-0.066316721	0.152472849	-0.025619104	0.58078362
CECR1 lightcyan	-0.011416303	0.805639475	0.017004554	0.713982161
CLEC12A lightcyan	-0.066132603	0.153617373	-0.059114025	0.2022538
CLEC1B lightcyan	-0.114849685	0.013010051	-0.108110725	0.019445199
CLEC4A lightcyan	-0.103900667	0.024744054	-0.071912574	0.120688821
CLEC4D lightcyan	-0.054323059	0.241337437	-0.041519199	0.370670037
CLEC5A lightcyan	-0.00869262	0.851386835	0.01319388	0.776126526
CLEC6A lightcyan	-0.015651999	0.735847992	0.002063616	0.964525263
CLEC7A lightcyan	0.001497124	0.974259582	0.028541218	0.538387425
CLECL1 lightcyan	-0.055389591	0.232208703	-0.01437978	0.756611983

CMKLR1	lightcyan	-0.162289475	0.0004298	-0.134552088	0.003577906
CR1	lightcyan	-0.035618407	0.44254591	-0.019365504	0.67637877
CSF2RA	lightcyan	-0.067925277	0.142747223	-0.03712312	0.423500311
CSF2RB	lightcyan	-0.047207312	0.308681627	-0.0142799	0.758249789
CTSC	lightcyan	0.041143949	0.375013697	0.064275764	0.165526317
CTSL	lightcyan	-0.283895742	4.17E-10	-0.267781494	4.13E-09
CTSS	lightcyan	0.079852826	0.084750629	0.110395653	0.017006116
CXCL10	lightcyan	-0.048543562	0.295172858	-0.012456711	0.78832925
CXCL11	lightcyan	-0.077837893	0.092931441	-0.046002488	0.321205722
CXorf21	lightcyan	-0.154326467	0.000819412	-0.118258021	0.010536413
CYBB	lightcyan	-0.060428993	0.192379072	-0.030632375	0.509027869
CYLD	lightcyan	0.045170293	0.330046856	0.071009455	0.125436169
CYSLTR1	lightcyan	-0.049724557	0.283567146	-0.022472769	0.628101794
DAPP1	lightcyan	-0.006371587	0.890775056	0.010903975	0.81419912
DENND3	lightcyan	-0.27442885	1.63E-09	-0.259835602	1.21E-08
DNAJC5	lightcyan	-0.018335357	0.692694	0.001370283	0.976439717
DOCK10	lightcyan	-0.106758604	0.021027625	-0.08319936	0.072454724
DOCK2	lightcyan	-0.047471812	0.305975831	-0.008089214	0.861595304
DOCK8	lightcyan	-0.074588358	0.107443415	-0.050750864	0.273735019
DRAM1	lightcyan	0.039950873	0.389031065	0.073291391	0.113712695
EMB	lightcyan	-0.129773728	0.004972577	-0.123689339	0.00744913
EMR2	lightcyan	-0.0666749	0.150264868	-0.056641193	0.221810817
EMR3	lightcyan	0.015873257	0.732255879	0.047122149	0.309556173
EVI2A	lightcyan	-0.093858514	0.042627538	-0.045931008	0.321959004
EVI2B	lightcyan	-0.076221081	0.099942782	-0.025822183	0.577787468
FAM105A	lightcyan	-0.209450214	5.00E-06	-0.159444189	0.000543123
FCAR	lightcyan	-0.035151158	0.448557904	-0.02860486	0.537481567
FCGR2A	lightcyan	-0.040616473	0.381172193	-0.005403271	0.907293058
FCGR3A	lightcyan	-0.054540656	0.239454813	-0.016649453	0.719701052
FGD2	lightcyan	-0.179803306	9.34E-05	-0.143828947	0.001832871
FGL2	lightcyan	-0.088914452	0.054843679	-0.077284716	0.095284626
FGR	lightcyan	-0.103855924	0.024806481	-0.072485301	0.117751615
FLT3	lightcyan	-0.162164455	0.000434277	-0.14845743	0.001293398
FLVCR2	lightcyan	-0.07249903	0.117681899	-0.077162084	0.095812684
FPR2	lightcyan	-0.011514991	0.803993276	-0.00247639	0.957435593
FPR3	lightcyan	-0.101121624	0.028888563	-0.068167567	0.141324373
FYB	lightcyan	-0.07294521	0.115433707	-0.031944836	0.491037598
GAB3	lightcyan	-0.171215592	0.000201148	-0.132401575	0.004154546
GAPT	lightcyan	-0.137586905	0.002887271	-0.117461657	0.011073691
GBP1	lightcyan	-0.181237644	8.19E-05	-0.155934526	0.000721045
GBP2	lightcyan	-0.123742054	0.007423622	-0.084576967	0.067835418
GBP4	lightcyan	-0.103422834	0.025417807	-0.057655618	0.213630591
GNB4	lightcyan	-0.249160962	4.86E-08	-0.209103708	5.19E-06
GPNMB	lightcyan	-0.272888415	2.03E-09	-0.252588941	3.13E-08
GPR183	lightcyan	-0.142465721	0.002027216	-0.102619658	0.026585967

GPR34	lightcyan	-0.165271085	0.000334939	-0.147378843	0.001404107
GPR65	lightcyan	-0.1037144	0.025004837	-0.058568571	0.206456147
GPRIN3	lightcyan	-0.027675493	0.550785204	-0.012553995	0.78671583
HCLS1	lightcyan	-0.184492192	6.05E-05	-0.144789579	0.001706337
HRH2	lightcyan	-0.214368466	2.95E-06	-0.187152794	4.71E-05
HSD11B1	lightcyan	-0.03527177	0.447001604	-0.017680121	0.703146485
HTRA4	lightcyan	-0.036230409	0.434741352	-0.022388686	0.629388687
ICAM1	lightcyan	-0.081296833	0.079252956	-0.07123978	0.124211874
IKZF1	lightcyan	-0.040936473	0.37742871	0.01125566	0.80832095
IL10RA	lightcyan	-0.048572712	0.294882638	0.003774168	0.935169843
IL12B	lightcyan	-0.051312078	0.268457916	-0.0229002	0.62157741
IL15	lightcyan	-0.232250702	3.87E-07	-0.196162221	1.96E-05
IL15RA	lightcyan	-0.204870715	8.09E-06	-0.173050419	0.000171264
IL1B	lightcyan	0.054634921	0.238642451	0.066491803	0.151390507
IL21	lightcyan	0.122895297	0.007842933	0.153507641	0.000874139
IL24	lightcyan	-0.056229414	0.225194387	-0.026358628	0.569908026
IL2RA	lightcyan	0.031999876	0.490290657	0.061298149	0.186048994
IL4R	lightcyan	0.031813075	0.492828174	0.057157842	0.217617086
IL7R	lightcyan	-0.02061653	0.656767709	0.010991191	0.812740382
INPP5D	lightcyan	-0.071799527	0.121275273	-0.021404667	0.644531748
IRF8	lightcyan	-0.114566803	0.013236708	-0.095052487	0.040048573
IRG1	lightcyan	-0.038878121	0.401902307	-0.028063089	0.545217288
ITGB7	lightcyan	0.127773176	0.005689768	0.152021859	0.000982152
KBTBD8	lightcyan	-0.050259128	0.278416541	-0.032689449	0.480984424
KCNA3	lightcyan	-0.048395394	0.296650994	-0.011159504	0.809927066
KCNJ10	lightcyan	-0.027863865	0.548075711	-0.039773601	0.39114062
KIAA051	lightcyan	0.065898643	0.155081102	0.099846482	0.030981395
KLRC3	lightcyan	-0.049634411	0.284442004	-0.004157244	0.928606343
KLRC4	lightcyan	-0.02140032	0.644598967	0.007602068	0.869853822
KLRC4-K	lightcyan	-0.066522878	0.151199017	-0.034735414	0.45394583
KLRG1	lightcyan	-0.088222969	0.056764312	-0.092105827	0.046665912
KLRK1	lightcyan	-0.029519037	0.524554261	-0.005395839	0.907420006
KYNU	lightcyan	0.092944913	0.044694209	0.103693282	0.025034553
LACTB	lightcyan	0.106860387	0.020904729	0.120241163	0.009297619
LCP1	lightcyan	0.004848118	0.916781658	0.039676307	0.392301359
LCP2	lightcyan	-0.029079184	0.530754319	0.018886218	0.683951323
LILRB5	lightcyan	-0.01402772	0.762389785	-0.018512797	0.689873339
LITAF	lightcyan	-0.153784367	0.000855277	-0.118908849	0.010114619
LY96	lightcyan	-0.210125568	4.65E-06	-0.162381962	0.000426516
LYN	lightcyan	0.102385064	0.02693577	0.113248752	0.014339285
LYSMD2	lightcyan	-0.155341198	0.000755991	-0.141312227	0.00220619
LYZ	lightcyan	0.059370685	0.200298049	0.095763614	0.038576173
MAFB	lightcyan	-0.135929384	0.003247771	-0.110612071	0.016789606
1-Mar	lightcyan	-0.163970086	0.000373636	-0.147583748	0.001382427
MCOLN2	lightcyan	-0.211277934	4.11E-06	-0.188546514	4.12E-05



MEFV	lightcyan	-0.023991757	0.605050599	-0.00770462	0.868114059
MMP12	lightcyan	0.077039843	0.096341381	0.099243606	0.032015201
MNDA	lightcyan	-0.071254727	0.124132748	-0.039302038	0.396785857
MPEG1	lightcyan	-0.119615659	0.009673582	-0.078511067	0.090130769
MPP1	lightcyan	-0.138604945	0.002684307	-0.159510581	0.000540189
MRC1	lightcyan	-0.123596487	0.007494248	-0.114326128	0.013432279
MS4A14	lightcyan	-0.104896137	0.023389797	-0.091386382	0.048414102
MS4A4A	lightcyan	-0.129879003	0.004937199	-0.094347578	0.041554719
MS4A6A	lightcyan	-0.098632631	0.033092822	-0.060081014	0.194957161
MS4A7	lightcyan	-0.141297721	0.00220853	-0.11487788	0.012987649
MSR1	lightcyan	-0.136666881	0.003082602	-0.116742096	0.011579872
NCF2	lightcyan	0.118936042	0.010097326	0.144854682	0.001698059
NCKAP1	lightcyan	-0.027632539	0.551403953	0.018287941	0.693448468
NECAP2	lightcyan	-0.015609598	0.736537022	-0.006345142	0.891225584
NLRC4	lightcyan	-0.199689365	1.38E-05	-0.181014737	8.36E-05
NLRP3	lightcyan	-0.148549152	0.001284364	-0.124844381	0.00690783
NOD2	lightcyan	0.146257477	0.001528387	0.188256321	4.24E-05
NPL	lightcyan	-0.056074701	0.226475105	-0.030445628	0.511615348
NRROS	lightcyan	-0.257609086	1.63E-08	-0.247230979	6.21E-08
NUB1	lightcyan	-0.118914984	0.010110715	-0.101781351	0.027854233
OLR1	lightcyan	-0.10362218	0.025134826	-0.081155724	0.079777114
P2RY12	lightcyan	-0.152002024	0.000983674	-0.144052242	0.001802715
P2RY13	lightcyan	-0.036209682	0.435004374	-0.00770084	0.868178176
PAG1	lightcyan	-0.005572774	0.904398496	0.018709159	0.686756885
PATL2	lightcyan	-0.185111673	5.71E-05	-0.133654894	0.00380903
PDCD1L	lightcyan	-0.150719614	0.001086817	-0.118821022	0.010170649
PDE4B	lightcyan	-0.048987422	0.290774357	-0.032989501	0.476965158
PIK3AP1	lightcyan	-0.116876489	0.011483807	-0.100131964	0.030501904
PIK3CD	lightcyan	-0.311026891	6.22E-12	-0.266340493	5.03E-09
PIK3R5	lightcyan	-0.119026196	0.010040183	-0.081437747	0.078732314
PLA2G7	lightcyan	-0.107500943	0.020145528	-0.102315874	0.027039693
PLEK	lightcyan	-0.056967363	0.219156577	-0.023078621	0.618862662
PLXNC1	lightcyan	-0.187633393	4.50E-05	-0.175155183	0.000142124
PREX1	lightcyan	-0.238524835	1.83E-07	-0.221710344	1.31E-06
PRKCB	lightcyan	-0.165669896	0.000323847	-0.141631752	0.00215522
PRR33	lightcyan	-0.137594691	0.002885667	-0.100620007	0.029696906
PTGER4	lightcyan	-0.17078691	0.000208801	-0.162004679	0.000440063
PTPN22	lightcyan	0.092144176	0.046574234	0.110927629	0.016478239
PTPRC	lightcyan	-0.023496257	0.612528456	0.017363713	0.708214142
RAB27A	lightcyan	0.009785219	0.8329663	0.0265738	0.566761944
RASGRP	lightcyan	-0.125798938	0.006487361	-0.128978431	0.005247313
RASGRP1	lightcyan	-0.121710407	0.008465173	-0.105242507	0.022933868
RASSF5	lightcyan	0.026128079	0.573288127	0.040100945	0.387250607
RCSD1	lightcyan	-0.055173375	0.23403932	-0.025643665	0.580420878
RGS1	lightcyan	-0.076385676	0.099210327	-0.051590993	0.265861357

RGS18	lightcyan	-0.111867336	0.015580758	-0.08772382	0.058185128
SAMD3	lightcyan	-0.177573848	0.000114402	-0.15050138	0.001105332
SAMSN1	lightcyan	-0.060877948	0.189089898	-0.027408129	0.554642141
SCIMP	lightcyan	-0.034065231	0.462707317	-0.003838333	0.934070137
SERPINB	lightcyan	-0.178923128	0.000101234	-0.143049206	0.001941835
SIRPB1	lightcyan	-0.044201523	0.340534857	-0.015262084	0.742192212
SIRPB2	lightcyan	-0.068217915	0.141030068	-0.056069449	0.226518675
SIRPD	lightcyan	-0.060951059	0.188558197	-0.046968121	0.311142041
SLA	lightcyan	-0.070648767	0.127372215	-0.017856063	0.700334224
SLC2A3	lightcyan	-0.065422389	0.158093292	-0.045877721	0.322521316
SLC31A2	lightcyan	0.037461701	0.41928163	0.032724052	0.480519975
SLC46A3	lightcyan	-0.110081844	0.017324394	-0.113936536	0.013754258
SLCO2B1	lightcyan	-0.139881743	0.002448151	-0.114784923	0.013061637
SLFN12L	lightcyan	-0.141649678	0.002152393	-0.109408409	0.018025046
SMAP2	lightcyan	0.22216046	1.24E-06	0.235015006	2.79E-07
SNX10	lightcyan	-0.149202978	0.001221629	-0.143607288	0.001863262
SOD2	lightcyan	0.034198556	0.460956871	0.040884981	0.37802955
SRGN	lightcyan	-0.143283998	0.001908416	-0.101244286	0.028693794
ST8SIA4	lightcyan	-0.176361731	0.00012759	-0.144401229	0.001756494
STAMBP	lightcyan	0.032430637	0.484465973	0.023462537	0.613038822
STAP1	lightcyan	-0.056658795	0.221666996	-0.030815355	0.50649924
STK10	lightcyan	-0.017828947	0.700767373	0.029656721	0.522621133
STK17B	lightcyan	-0.061459344	0.184892074	-0.047044256	0.31035749
STX11	lightcyan	-0.113959512	0.013735082	-0.084595467	0.067775068
SUCNR1	lightcyan	-0.062347932	0.178609666	-0.039417865	0.39539473
TFEC	lightcyan	-0.096038248	0.038019944	-0.064652532	0.163055537
TLR1	lightcyan	-0.086398272	0.062101769	-0.079263337	0.087081565
TLR10	lightcyan	-0.051543659	0.266300794	-0.016870972	0.716131639
TLR2	lightcyan	0.108270197	0.019265582	0.101567665	0.028185712
TLR6	lightcyan	-0.02646773	0.568311793	-0.015851196	0.732613782
TLR7	lightcyan	-0.114834895	0.013021816	-0.081361765	0.079012704
TLR8	lightcyan	-0.050935809	0.271988232	-0.027799463	0.549001305
TM6SF1	lightcyan	-0.176265315	0.000128698	-0.157238385	0.00064944
TMEM10	lightcyan	-0.115866858	0.012223071	-0.086657696	0.061318582
TMEM14	lightcyan	-0.203484666	9.34E-06	-0.175269466	0.000140684
TMEM71	lightcyan	-0.078211203	0.091369846	-0.061993363	0.181097256
TNFAIP8	lightcyan	-0.06376222	0.168939137	-0.043678706	0.346282381
TNFSF13	lightcyan	-0.08877485	0.055227019	-0.054465746	0.240101755
TNFSF8	lightcyan	0.026232976	0.571749045	0.010187265	0.826210451
TNIP3	lightcyan	0.079410449	0.086495085	0.113138736	0.014434867
VCAM1	lightcyan	-0.13556246	0.003332905	-0.110959293	0.016447276
VNN2	lightcyan	-0.033331213	0.472410264	-0.011185104	0.809499395
VSIG4	lightcyan	-0.119679266	0.009634743	-0.102080792	0.027395366
WDFY4	lightcyan	0.029986579	0.518004691	0.059815284	0.196942839
WIPF1	lightcyan	-0.179187497	9.88E-05	-0.13991815	0.002441704

XCR1	lightcyan	-0.098575935	0.033194371	-0.063757139	0.168973159
ZNF80	lightcyan	-0.043101765	0.352695938	-0.026184138	0.572465367
A1CF	lightcyan1	-0.081057958	0.080141918	-0.084906876	0.066765788
AFP	lightcyan1	-0.125037602	0.0068208	-0.123471705	0.007555267
AGXT	lightcyan1	-0.011833318	0.798689283	-0.013809897	0.765971223
AHSG	lightcyan1	-0.081025038	0.080265059	-0.077238017	0.095485441
ALB	lightcyan1	-0.061472938	0.184794754	-0.061099481	0.18748219
APOA2	lightcyan1	-0.053085358	0.252243415	-0.047629928	0.30436584
APOA5	lightcyan1	-0.01168149	0.801217924	-0.011180872	0.809570093
APOB	lightcyan1	-0.062713789	0.176069538	-0.064213956	0.16593431
APOC3	lightcyan1	-0.031669029	0.494789686	-0.026114141	0.573492778
APOH	lightcyan1	0.006700048	0.885182366	-0.011319999	0.807246722
ATP6V0I	lightcyan1	0.027492362	0.553425594	0.045581535	0.325658424
C8A	lightcyan1	0.021800317	0.638424946	0.023517601	0.61220551
CPN2	lightcyan1	-0.036862587	0.426763296	-0.037225889	0.422217216
CREB3L3	lightcyan1	-0.048952976	0.291114127	-0.037179265	0.422799043
CYP3A4	lightcyan1	-0.027597858	0.551903792	-0.020898558	0.652378406
DCSTAM	lightcyan1	0.046734018	0.313562579	0.045989269	0.321344941
DNASE2I	lightcyan1	-0.076110963	0.100435205	-0.062549532	0.177206626
F11	lightcyan1	0.002912176	0.949954333	-0.003410057	0.941412471
F2	lightcyan1	0.001276173	0.978057402	-0.005648801	0.903100621
FAM169F	lightcyan1	-0.065284607	0.158972909	-0.059912788	0.196212529
FAM9B	lightcyan1	-0.129722847	0.004989758	-0.13535743	0.003381354
FGA	lightcyan1	0.021446903	0.643878685	0.026453935	0.568513501
FGB	lightcyan1	0.054605726	0.238893839	0.051091609	0.270522622
FGG	lightcyan1	-0.058261422	0.208850151	-0.058483327	0.207118558
GCKR	lightcyan1	-0.152126855	0.000974132	-0.15342642	0.000879747
GP1BA	lightcyan1	0.01314069	0.777005201	0.03408844	0.46240234
GPR128	lightcyan1	-0.025568921	0.581525118	-0.029484272	0.525042951
GPR150	lightcyan1	-0.116672522	0.011629883	-0.084042885	0.06959677
HFE2	lightcyan1	-0.10011677	0.030527262	-0.097820672	0.034572704
HRG	lightcyan1	-0.131752654	0.004344361	-0.123496095	0.007543306
ISX	lightcyan1	-0.05477459	0.23744238	-0.048198782	0.298620015
ITIH1	lightcyan1	-0.03146392	0.497589868	-0.024620619	0.595619311
ITIH3	lightcyan1	-0.07310757	0.114624023	-0.064961877	0.161047712
KNG1	lightcyan1	-0.134240332	0.003656734	-0.147232009	0.001419834
LECT2	lightcyan1	-0.138978006	0.002613246	-0.1256598	0.006547185
MTTP	lightcyan1	-0.0319718	0.4906716	-0.036293522	0.433941025
NAT8	lightcyan1	-0.078607228	0.089736286	-0.057067351	0.218347484
OCSTAM	lightcyan1	0.047477897	0.305913768	0.048973593	0.290910735
PAH	lightcyan1	-0.033044586	0.476229275	-0.043092119	0.352803811
PAQR9	lightcyan1	-0.035394854	0.445416572	-0.04937018	0.287016821
PGC	lightcyan1	-0.071435442	0.123179152	-0.090524949	0.050579107
PLA2G12	lightcyan1	-0.026730334	0.564478448	-0.044366121	0.33873806
PSMA8	lightcyan1	-0.101159116	0.028828912	-0.095457981	0.039203274

RBM46	lightcyan1	-0.028862718	0.533819128	-0.02104832	0.650052473
SERPINA	lightcyan1	-0.112400098	0.015091221	-0.100106087	0.030545102
SERPINA	lightcyan1	-0.07650152	0.098697383	-0.073935743	0.110563044
SERPINC	lightcyan1	0.029649668	0.522720065	0.018718676	0.686605967
SERPIND	lightcyan1	-0.02646646	0.568330356	-0.0468686	0.312169549
SIGLECL	lightcyan1	-0.066059457	0.154073872	-0.063263948	0.172300494
SLC2A2	lightcyan1	-0.09290106	0.044795491	-0.088208465	0.056805188
SLC6A19	lightcyan1	-0.053466398	0.248850015	-0.056549288	0.222562828
SMLR1	lightcyan1	-0.094623545	0.040959472	-0.087760135	0.058080772
SULT2A1	lightcyan1	-0.016631154	0.719996185	0.001028277	0.982318956
TF	lightcyan1	-0.024920036	0.591152457	-0.016919521	0.715350165
TFR2	lightcyan1	0.047818354	0.302454557	0.056624982	0.221943326
TM4SF5	lightcyan1	-0.071391025	0.123413	-0.077781769	0.093168053
TTR	lightcyan1	-0.065256579	0.159152293	-0.064546865	0.163745668
UGT1A1	lightcyan1	-0.058718418	0.205295435	-0.056056519	0.226625954
UGT2B1C	lightcyan1	0.008191297	0.859866598	0.024728763	0.594004195
VCX	lightcyan1	-0.164354741	0.000361782	-0.165317272	0.000333637
VCX3A	lightcyan1	-0.145494687	0.001618614	-0.149339852	0.001208859
VCX3B	lightcyan1	-0.134324207	0.003635373	-0.131655403	0.004373474
VTN	lightcyan1	-0.170390538	0.000216119	-0.163138653	0.000400507
AAMP	lightgreen	-0.08630636	0.062381218	-0.084719927	0.067370202
AAR2	lightgreen	-0.166235542	0.000308701	-0.172685455	0.000176855
AARS	lightgreen	0.062883888	0.174897727	0.07534429	0.103917237
ABCF1	lightgreen	-0.181801244	7.78E-05	-0.186351967	5.08E-05
ABCF2	lightgreen	0.074702245	0.106906206	0.073313329	0.113604315
ABT1	lightgreen	-0.15646813	0.000690899	-0.14786554	0.001353115
ADSL	lightgreen	0.087024073	0.06022641	0.076245036	0.099835914
AGBL5	lightgreen	-0.03853203	0.406108541	-0.046338193	0.317683292
AGPAT1	lightgreen	-0.114939768	0.012938595	-0.124968786	0.006851683
AHSA1	lightgreen	0.01979007	0.669697886	0.039216165	0.397819115
AIMP2	lightgreen	0.064662249	0.162992183	0.064954952	0.161092449
ALAS1	lightgreen	0.23933229	1.66E-07	0.248740738	5.13E-08
ALG1	lightgreen	0.206671034	6.70E-06	0.214506019	2.90E-06
ANKRD2	lightgreen	-0.012772457	0.783096012	-0.011879847	0.797914791
ANP32B	lightgreen	0.034687917	0.454563682	0.022584329	0.626396087
APEX1	lightgreen	0.083067864	0.072908759	0.057691434	0.213345792
APMAP	lightgreen	-0.017443146	0.706940705	-0.043813724	0.34479221
ARPC2	lightgreen	-0.069800739	0.132015378	-0.042707085	0.357126268
ATP5A1	lightgreen	0.120585457	0.009096273	0.122445145	0.008074348
ATP5B	lightgreen	0.026072844	0.574099341	0.028992692	0.531977844
ATP5F1	lightgreen	0.074636858	0.107214379	0.067899958	0.142896541
ATP5G3	lightgreen	0.011797035	0.799293377	0.024140341	0.602816202
ATP6V0C	lightgreen	0.033857112	0.465447132	0.016501739	0.722084631
C10orf2	lightgreen	-0.004723583	0.918911852	-0.035853095	0.439543648
C16orf91	lightgreen	0.026518052	0.567576252	0.055988188	0.227193519

C1QBP	lightgreen	0.211641443	3.96E-06	0.210168636	4.63E-06
C2orf47	lightgreen	-0.130905143	0.004604058	-0.138170303	0.002769315
C6orf106	lightgreen	-0.20726738	6.30E-06	-0.175942063	0.000132479
C6orf47	lightgreen	-0.097854758	0.034509462	-0.102333234	0.027013586
C8orf33	lightgreen	0.039540239	0.393928173	0.016510835	0.721937766
CALM3	lightgreen	0.078624193	0.089666836	0.086770503	0.060980574
CCDC22	lightgreen	0.067919243	0.1427828	0.077154324	0.095846177
CCDC51	lightgreen	0.04023339	0.385683394	0.027345119	0.555553021
CCDC86	lightgreen	-0.078038212	0.092090854	-0.091648135	0.047771821
CCT2	lightgreen	0.051141115	0.270058055	0.025755881	0.578764863
CCT5	lightgreen	0.009929643	0.83053801	0.001046454	0.98200647
CCT7	lightgreen	0.067240984	0.14682494	0.081628906	0.078030464
CDK4	lightgreen	-0.025168638	0.587455378	-0.045131736	0.330460255
CECR5	lightgreen	0.238506398	1.83E-07	0.218301364	1.91E-06
CHCHD2	lightgreen	0.113500658	0.014122523	0.134428934	0.00360886
CHCHD3	lightgreen	-0.078710523	0.089314085	-0.09319338	0.044123975
CIAPIN1	lightgreen	0.249910092	4.42E-08	0.273075405	1.98E-09
CLP1	lightgreen	-0.10897128	0.018492972	-0.107245394	0.020445486
CNP	lightgreen	0.180453491	8.80E-05	0.195069427	2.19E-05
CPT2	lightgreen	0.228866426	5.76E-07	0.230153165	4.96E-07
CSTF1	lightgreen	-0.196516822	1.89E-05	-0.194176069	2.39E-05
CTD-310	lightgreen	-0.002059352	0.964598518	0.008175791	0.860129136
CXorf40A	lightgreen	0.103790864	0.024897498	0.099158687	0.03216316
CXorf40B	lightgreen	0.002419989	0.958404124	0.006189783	0.89387298
DCAF11	lightgreen	0.064435251	0.164477018	0.072926859	0.115525508
DCTN2	lightgreen	-0.01125995	0.808249302	-0.027056023	0.559741548
DCTN3	lightgreen	-0.002102692	0.963853981	0.038359912	0.408210109
DCTPP1	lightgreen	0.073583713	0.112275176	0.069897898	0.131476869
DDOST	lightgreen	0.091056315	0.049234298	0.074480183	0.107955657
DDX23	lightgreen	0.066802285	0.149485496	0.059767912	0.19729837
DHRS13	lightgreen	0.239600196	1.60E-07	0.227290869	6.91E-07
DHX16	lightgreen	-0.061954804	0.181369316	-0.065692628	0.156378722
DKC1	lightgreen	-0.065570878	0.157149432	-0.094763579	0.040660191
DOLK	lightgreen	0.247198352	6.24E-08	0.263241882	7.67E-09
DOLPP1	lightgreen	0.39598339	5.55E-19	0.409871709	2.40E-20
EEF2KM	lightgreen	0.264684137	6.31E-09	0.265576185	5.58E-09
EIF2B1	lightgreen	-0.010871409	0.814743983	0.001028243	0.982319548
EIF2B2	lightgreen	0.016933299	0.715128444	0.031270875	0.500233013
EIF2B3	lightgreen	-0.079033565	0.088003978	-0.068054793	0.14198528
EIF4A3	lightgreen	-0.074132588	0.109614665	-0.08509494	0.06616227
EIF4G1	lightgreen	-0.073466339	0.112850649	-0.067473512	0.145429459
EMC6	lightgreen	0.10383805	0.024831458	0.090626076	0.050320831
EMC8	lightgreen	0.22755865	6.70E-07	0.26889454	3.54E-09
ESYT1	lightgreen	-0.036489996	0.431455033	-0.050130457	0.279650452
ETFA	lightgreen	0.249929448	4.41E-08	0.26049247	1.11E-08

FADD	lightgreen	0.053873853	0.245256706	0.041635753	0.369327248
FARS2	lightgreen	-0.013403133	0.772672521	0.002790773	0.95203808
FDPS	lightgreen	0.120028344	0.00942405	0.090852001	0.049747804
FN3KRP	lightgreen	-0.014896407	0.748157972	-0.043875554	0.344111171
FTH1	lightgreen	0.10823958	0.019299953	0.103641335	0.025107778
FTSJ3	lightgreen	-0.078325596	0.09089556	-0.073130255	0.114511248
FXR2	lightgreen	0.169064528	0.000242383	0.14299898	0.001949053
GANAB	lightgreen	0.060877468	0.189093393	0.020758606	0.654555049
GET4	lightgreen	-0.130838693	0.004625001	-0.138355089	0.002732879
GOSR2	lightgreen	-0.098297238	0.033697428	-0.103451404	0.025377082
GPATCH	lightgreen	0.143057702	0.001940616	0.128698949	0.005347059
GPKOW	lightgreen	-0.089373034	0.053599972	-0.065449081	0.157923308
GPN1	lightgreen	-0.154523826	0.000806705	-0.17350268	0.000164566
GRHPR	lightgreen	0.211632622	3.96E-06	0.235577138	2.61E-07
HCCS	lightgreen	-0.022387528	0.629406409	0.001649235	0.971645347
HDAC3	lightgreen	-0.001006366	0.982695656	-0.010276287	0.824716262
HINT1	lightgreen	0.254900852	2.32E-08	0.260521675	1.10E-08
HIRA	lightgreen	0.018048193	0.697267875	0.007260991	0.87564453
HMGN2	lightgreen	0.004921151	0.915532681	-0.006070449	0.895907304
HNRNPM	lightgreen	0.07422441	0.109174474	0.062016884	0.180931442
HSP90A	lightgreen	-0.163571346	0.000386306	-0.164267418	0.000364442
HSPA5	lightgreen	0.076363162	0.099310262	0.065259295	0.159134909
HSPA8	lightgreen	0.049980033	0.281097659	0.044681461	0.335312679
HTRA2	lightgreen	-0.104168559	0.02437311	-0.114227463	0.013513187
IMMT	lightgreen	-0.029805917	0.520530494	-0.042379125	0.360834117
KTI12	lightgreen	-0.13890261	0.002627467	-0.138660973	0.002673523
LDHB	lightgreen	-0.075489834	0.103248961	-0.097934286	0.034362298
LGMN	lightgreen	-0.109939743	0.017470224	-0.095530726	0.039053237
LRRC42	lightgreen	-0.081656409	0.077929904	-0.098992829	0.032453832
LRRC47	lightgreen	-0.066024122	0.154294761	-0.078053261	0.09202795
MAD2L1	lightgreen	0.042411479	0.360467266	0.046052242	0.320682074
MAP7D1	lightgreen	-0.194285872	2.36E-05	-0.173045365	0.00017134
MDH1	lightgreen	0.032635657	0.481706918	0.02775516	0.549638492
MDH2	lightgreen	0.111172458	0.016240155	0.131093227	0.004545244
MED22	lightgreen	0.043044549	0.353336047	0.033795668	0.466257731
MED24	lightgreen	0.110677845	0.016724285	0.083014908	0.073092261
MOCS3	lightgreen	-0.227432003	6.80E-07	-0.217906784	2.00E-06
MRPL4	lightgreen	-0.028562223	0.538088364	-0.016286832	0.725557248
MRPL44	lightgreen	0.094382362	0.041479291	0.077447804	0.094585967
MRPL45	lightgreen	0.05850245	0.206969828	0.033203594	0.474108579
MRPL49	lightgreen	0.062106069	0.180303765	0.049298307	0.287719897
MRPS18A	lightgreen	-0.080877623	0.080818359	-0.089574386	0.053061355
MRPS18E	lightgreen	-0.064919084	0.161324344	-0.05266108	0.256059572
MRPS24	lightgreen	0.06769201	0.144127418	0.05702621	0.218680133
MT-ATP6	lightgreen	0.012529121	0.787128268	0.021505152	0.642978491

MT-ATP8lightgreen	0.010227676	0.825532084	0.00160331	0.972434598
MT-CO1 lightgreen	-0.011541211	0.803556063	-0.015247961	0.742422327
MT-CO2 lightgreen	-0.029650181	0.522712868	-0.007687958	0.868396675
MT-CO3 lightgreen	0.006295408	0.892072949	0.011922514	0.797204754
MT-CYB lightgreen	-0.020623012	0.656666689	-0.016783606	0.71753867
MT-ND1 lightgreen	0.004227399	0.927404838	0.009239215	0.84216083
MT-ND2 lightgreen	-0.064483884	0.164158054	-0.066204192	0.153171587
MT-ND3 lightgreen	-0.068813053	0.137586768	-0.071162308	0.124622637
MT-ND4 lightgreen	0.014179867	0.759891205	0.018348676	0.692482121
MT-ND4Ilightgreen	0.041398047	0.372069001	0.046236689	0.318745664
MT-ND5 lightgreen	-0.081950595	0.076860832	-0.082044551	0.07652192
MT-ND6 lightgreen	-0.125279152	0.006713383	-0.131350161	0.004465997
MTCH1 lightgreen	-0.216162947	2.42E-06	-0.20376482	9.07E-06
MTHFS lightgreen	0.036730359	0.428424939	0.006729795	0.884676146
NADK lightgreen	0.072404648	0.118161822	0.063479585	0.170839728
NCL lightgreen	-0.082579984	0.074613643	-0.121472761	0.008595144
NHP2 lightgreen	-0.05599235	0.227158916	-0.072482333	0.117766687
NOB1 lightgreen	0.156474728	0.000690534	0.160641981	0.0004924
NOC2L lightgreen	-0.065379748	0.15836512	-0.065008416	0.160747264
NOLC1 lightgreen	0.084358282	0.068552149	0.056943571	0.21934941
NOP14 lightgreen	0.164319198	0.000362862	0.134801807	0.003515879
NTMT1 lightgreen	0.150157691	0.00113508	0.155554227	0.000743267
NUP37 lightgreen	0.082551538	0.07471404	0.062219526	0.179507595
OGFOD2 lightgreen	0.040610759	0.381239244	0.040082506	0.387469101
OS9 lightgreen	0.022064617	0.634359053	0.013694337	0.767873294
PARS2 lightgreen	-0.160971777	0.000479228	-0.16344921	0.000390266
PDCD11 lightgreen	0.009102729	0.844462607	-0.023530956	0.612003467
PDF lightgreen	0.102802157	0.026316553	0.110790635	0.016612787
PDIA6 lightgreen	-0.014721677	0.751013906	-0.034944313	0.451234023
PDXP lightgreen	0.116396672	0.011830054	0.106714494	0.02108108
PES1 lightgreen	-0.023054763	0.619225369	-0.020364518	0.660699883
PEX10 lightgreen	-0.001119305	0.980754038	-0.018360694	0.692290968
PGAM1 lightgreen	0.212932366	3.44E-06	0.192546135	2.80E-05
PGK1 lightgreen	0.121883124	0.008371815	0.123984398	0.007307362
PGM1 lightgreen	0.154036067	0.000838448	0.146732745	0.001474529
PHB lightgreen	0.03017439	0.515385657	0.031975075	0.490627162
PHF23 lightgreen	0.232917588	3.58E-07	0.232985874	3.55E-07
PIGS lightgreen	0.149681215	0.001177543	0.136563333	0.003105322
PIGT lightgreen	-0.041391182	0.372148373	-0.039590513	0.393326632
PNO1 lightgreen	-0.078400944	0.090584238	-0.084038962	0.069609843
POLR3A lightgreen	0.01936906	0.676322711	-0.00882299	0.849184427
PPIL1 lightgreen	-0.038111403	0.411255778	-0.042099558	0.364013774
PPP2R5Dlightgreen	0.040969225	0.377046844	0.038795946	0.40289866
PPP5C lightgreen	-0.015396172	0.740008487	-0.020190831	0.663415396
PRDX4 lightgreen	0.178680566	0.000103491	0.173611989	0.000162985

PRKAG1	lightgreen	0.117983746	0.010718788	0.100730884	0.029516581
PSMB5	lightgreen	0.173394228	0.00016615	0.187212144	4.68E-05
PSMD1	lightgreen	-0.014592937	0.75312033	-0.02619337	0.572329925
PSMD3	lightgreen	-0.00585627	0.899560169	-0.004847667	0.916789361
PSMD7	lightgreen	0.21607517	2.44E-06	0.21707826	2.19E-06
PSMD9	lightgreen	0.044291496	0.339551933	0.047037971	0.31042221
RABEPK	lightgreen	0.173558262	0.00016376	0.17503144	0.0001437
RAN	lightgreen	0.054259921	0.24188564	0.03640942	0.43247357
RBM15B	lightgreen	0.131791034	0.00433292	0.114947922	0.012932144
RNF121	lightgreen	-0.086690218	0.061220976	-0.083836579	0.070287088
RNF26	lightgreen	-0.086958482	0.060420746	-0.104021701	0.024575861
RP11-345	lightgreen	-0.113354526	0.014247914	-0.126299793	0.00627605
RPN2	lightgreen	0.040155217	0.386607941	0.044438461	0.337950295
RPUSD4	lightgreen	0.120947118	0.008888959	0.092483724	0.04576907
RRP12	lightgreen	0.154423006	0.000813173	0.158044134	0.000608547
RTCB	lightgreen	0.065047522	0.160495132	0.060939867	0.188639525
SAE1	lightgreen	0.100740674	0.029500703	0.088008667	0.057370753
SAP30	lightgreen	0.178889739	0.000101542	0.1957578	2.04E-05
SARS	lightgreen	-0.013556697	0.770140593	-0.008383413	0.856615033
SDHA	lightgreen	0.077595485	0.093956846	0.084098493	0.069411649
SDHB	lightgreen	0.016143933	0.727869426	0.023624296	0.610592256
SENP3	lightgreen	-0.030416833	0.512014928	-0.055054101	0.235053525
SF3A3	lightgreen	-0.182092201	7.57E-05	-0.198326091	1.58E-05
SF3B2	lightgreen	-0.023070537	0.618985556	-0.048092118	0.299691864
SLC25A3	lightgreen	0.055831378	0.228499803	0.04247928	0.359699241
SLC25A4	lightgreen	0.259659187	1.24E-08	0.264415515	6.54E-09
SLC25A5	lightgreen	0.059865932	0.196563232	0.055795863	0.228796394
SLC29A1	lightgreen	-0.079250762	0.087131846	-0.090044312	0.05182182
SLC35B2	lightgreen	0.055915243	0.227800513	0.037279692	0.421546368
SLC39A7	lightgreen	0.100748074	0.029488708	0.113211663	0.014371446
SLC4A2	lightgreen	-0.094989711	0.040180803	-0.118360114	0.010469233
SMARCA	lightgreen	-0.067799637	0.143489349	-0.082020496	0.076608574
SMARCB	lightgreen	0.071336069	0.123702812	0.06368686	0.169444343
SMARCC	lightgreen	0.026282429	0.571024147	0.030418351	0.511993866
SMIM12	lightgreen	-0.116071952	0.012069585	-0.101227846	0.028719834
SNRNP4C	lightgreen	0.028169165	0.543698346	0.019961214	0.667012117
SPATA2	lightgreen	-0.242115493	1.18E-07	-0.256329805	1.92E-08
SPSB3	lightgreen	-0.064483283	0.164161987	-0.077294137	0.095244155
SRP68	lightgreen	0.10926852	0.018173654	0.088992028	0.054631617
SRSF9	lightgreen	0.112668626	0.014849636	0.108963908	0.018500954
SSRP1	lightgreen	0.039439545	0.395134673	0.012316007	0.79066439
STARD7	lightgreen	-0.199676476	1.38E-05	-0.205792338	7.35E-06
STK19	lightgreen	-0.088347054	0.056415609	-0.086888413	0.060628923
STOML2	lightgreen	0.095987176	0.038122863	0.104281048	0.024218788
SURF4	lightgreen	0.235115873	2.75E-07	0.2501003	4.31E-08



TBL2	lightgreen	0.093384489	0.043689554	0.097398925	0.03536337
THAP11	lightgreen	0.109158852	0.018290903	0.141815316	0.002126427
TMED1	lightgreen	-0.077475455	0.094467919	-0.095766783	0.038569714
TMEM18	lightgreen	-0.054148328	0.24285669	-0.049368601	0.287032254
TMX2	lightgreen	-0.059399366	0.200080358	-0.060350672	0.192957143
TOE1	lightgreen	0.039568674	0.393587868	0.017656985	0.703516589
TRAFD1	lightgreen	-0.092193458	0.04645664	-0.081667721	0.077888574
TUBA1B	lightgreen	0.075816039	0.10176354	0.05397899	0.244335434
UBE2Z	lightgreen	-0.04428012	0.339676107	-0.032288989	0.486377178
UBTF	lightgreen	0.130681576	0.004674861	0.117170943	0.011275789
UQCRFS	lightgreen	-0.170416422	0.000215634	-0.153260307	0.000891322
USP5	lightgreen	0.021732506	0.639469875	0.034727949	0.454042905
VCP	lightgreen	0.192015024	2.95E-05	0.213307052	3.31E-06
WDR5	lightgreen	0.00985603	0.831775513	-0.007659387	0.868881336
WDR61	lightgreen	0.194750218	2.26E-05	0.173389291	0.000166222
XRCC6	lightgreen	0.149944958	0.001153861	0.133559013	0.003834512
ZDHHC4	lightgreen	0.022537225	0.627116039	0.038814494	0.402673637
ZFPL1	lightgreen	0.013807647	0.766008237	2.44E-05	0.999579686
ZMAT2	lightgreen	-0.126349553	0.006255398	-0.124641675	0.007000199
ZNF622	lightgreen	-0.124222215	0.00719486	-0.110747264	0.016655584
APOBEC	lightsteelbl	-0.14632242	0.001520923	-0.146155626	0.001540161
BST2	lightsteelbl	-0.235600835	2.60E-07	-0.209661845	4.89E-06
C19orf66	lightsteelbl	-0.280410869	6.93E-10	-0.256616348	1.85E-08
CMPK2	lightsteelbl	-0.237247993	2.13E-07	-0.212204471	3.72E-06
DDX58	lightsteelbl	-0.185576707	5.47E-05	-0.174062644	0.000156614
DDX60	lightsteelbl	-0.149432623	0.001200273	-0.143103939	0.001933997
DDX60L	lightsteelbl	-0.079380074	0.086615919	-0.07494828	0.105752889
DTX3L	lightsteelbl	-0.198198697	1.60E-05	-0.185205785	5.66E-05
EIF2AK2	lightsteelbl	-0.230493771	4.76E-07	-0.241295144	1.30E-07
EPSTI1	lightsteelbl	-0.219256359	1.72E-06	-0.195146824	2.17E-05
FBXO39	lightsteelbl	-0.090096215	0.051686407	-0.084612006	0.067721151
HELZ2	lightsteelbl	-0.184887005	5.83E-05	-0.179400207	9.69E-05
HERC5	lightsteelbl	-0.442456087	8.31E-24	-0.417869882	3.68E-21
HERC6	lightsteelbl	-0.184329039	6.15E-05	-0.167457993	0.000278199
HSH2D	lightsteelbl	-0.068460852	0.139616616	-0.029740943	0.521440424
IFI16	lightsteelbl	-0.291528823	1.33E-10	-0.27341592	1.88E-09
IFI27	lightsteelbl	-0.174257698	0.000153929	-0.143930027	0.001819163
IFI44	lightsteelbl	-0.252516993	3.16E-08	-0.241888978	1.21E-07
IFI44L	lightsteelbl	-0.29671221	6.04E-11	-0.276956645	1.14E-09
IFI6	lightsteelbl	-0.164694791	0.000351595	-0.155300499	0.000758445
IFIH1	lightsteelbl	-0.177966269	0.000110415	-0.171249639	0.000200551
IFIT1	lightsteelbl	-0.264192045	6.74E-09	-0.250428055	4.14E-08
IFIT2	lightsteelbl	-0.282977242	4.77E-10	-0.266155637	5.16E-09
IFIT3	lightsteelbl	-0.269729701	3.15E-09	-0.239981398	1.53E-07
IFIT5	lightsteelbl	-0.199042687	1.47E-05	-0.192835243	2.72E-05

IFNB1	lightsteelbl	-0.19612845	1.97E-05	-0.190584194	3.39E-05
IRF7	lightsteelbl	-0.04437577	0.33863291	-0.018219654	0.694535558
IRF9	lightsteelbl	-0.217206611	2.16E-06	-0.218441423	1.88E-06
ISG15	lightsteelbl	-0.072696912	0.116680629	-0.037752034	0.415683827
LAMP3	lightsteelbl	-0.232646538	3.70E-07	-0.197206667	1.77E-05
LAP3	lightsteelbl	-0.060548005	0.191503103	-0.054337398	0.241213052
LY6E	lightsteelbl	-0.251636235	3.54E-08	-0.234439922	2.99E-07
MX1	lightsteelbl	-0.227940301	6.41E-07	-0.208398882	5.59E-06
MX2	lightsteelbl	-0.483554332	9.70E-29	-0.470719289	3.98E-27
NMI	lightsteelbl	-0.139118799	0.002586876	-0.12421108	0.007200093
OAS1	lightsteelbl	-0.216581268	2.31E-06	-0.186962055	4.80E-05
OAS2	lightsteelbl	-0.122947888	0.007816286	-0.085537286	0.064760379
OAS3	lightsteelbl	-0.107222816	0.020472173	-0.085615004	0.064516614
OASL	lightsteelbl	-0.145861537	0.001574628	-0.107954142	0.01962298
OPTN	lightsteelbl	-0.333246709	1.42E-13	-0.312623823	4.79E-12
PARP12	lightsteelbl	-0.234414789	3.00E-07	-0.197967437	1.64E-05
PARP14	lightsteelbl	-0.213480811	3.24E-06	-0.191258498	3.18E-05
PARP9	lightsteelbl	-0.1450947	0.001667855	-0.134852491	0.00350341
PLSCR1	lightsteelbl	-0.264472497	6.49E-09	-0.252217634	3.29E-08
RNF213	lightsteelbl	-0.208214801	5.70E-06	-0.197574859	1.70E-05
RSAD2	lightsteelbl	-0.264100912	6.82E-09	-0.237505819	2.07E-07
RTP4	lightsteelbl	-0.369260418	1.56E-16	-0.32156989	1.07E-12
RUFY4	lightsteelbl	-0.165843898	0.000319116	-0.150561692	0.001100186
SAMD9	lightsteelbl	-0.225318944	8.67E-07	-0.214568732	2.88E-06
SAMD9L	lightsteelbl	-0.193738065	2.49E-05	-0.16817086	0.000261736
SMTNL1	lightsteelbl	-0.249792223	4.49E-08	-0.232644116	3.70E-07
SP100	lightsteelbl	-0.25135004	3.67E-08	-0.233694384	3.26E-07
SP110	lightsteelbl	-0.25654204	1.87E-08	-0.229794737	5.17E-07
SP140L	lightsteelbl	-0.278349526	9.33E-10	-0.247171744	6.26E-08
STAT1	lightsteelbl	-0.192543333	2.80E-05	-0.176300602	0.000128291
STAT2	lightsteelbl	-0.22938263	5.42E-07	-0.222156896	1.24E-06
THEMIS2	lightsteelbl	-0.262256212	8.76E-09	-0.250446386	4.13E-08
TNFSF10	lightsteelbl	-0.349971041	6.68E-15	-0.326618921	4.53E-13
TRIM14	lightsteelbl	-0.009708278	0.834260619	0.011703539	0.800850583
TRIM21	lightsteelbl	0.010428813	0.822157667	0.030642725	0.508884664
TRIM38	lightsteelbl	-0.131135641	0.004532076	-0.122083153	0.008264841
TRIM69	lightsteelbl	-0.151501418	0.001022812	-0.132570814	0.004106291
UBE2L6	lightsteelbl	-0.308743896	9.01E-12	-0.261901608	9.18E-09
USP18	lightsteelbl	-0.011024082	0.812190426	-0.016401938	0.723696577
XAF1	lightsteelbl	-0.249517546	4.65E-08	-0.23849473	1.83E-07
ZNFX1	lightsteelbl	-0.209249462	5.11E-06	-0.17948802	9.62E-05
AASDHP	lightyellow	-0.025036504	0.58941907	-0.053056674	0.252500162
ABCA7	lightyellow	0.291667969	1.31E-10	0.304072689	1.91E-11
ABCD3	lightyellow	0.248590415	5.23E-08	0.230809789	4.59E-07
ABCE1	lightyellow	-0.014379355	0.756618947	-0.034908599	0.451697

ABHD13	lightyellow	-0.074725149	0.106798424	-0.088331805	0.056458366
ABHD14	lightyellow	0.2139065	3.10E-06	0.212125061	3.75E-06
ABHD5	lightyellow	0.359410147	1.10E-15	0.371553826	9.81E-17
ABI1	lightyellow	0.054007476	0.244086241	0.02975843	0.521195439
ACADM	lightyellow	-0.040948757	0.377285457	-0.065840698	0.155445256
ACAT1	lightyellow	0.099071133	0.032316323	0.090497825	0.050648569
ACBD5	lightyellow	0.255008004	2.29E-08	0.227406655	6.82E-07
ACN9	lightyellow	0.126559802	0.006168806	0.131403177	0.004449802
ACSL3	lightyellow	0.212114031	3.76E-06	0.194779889	2.25E-05
ACTR2	lightyellow	0.008786875	0.849794423	-0.005712173	0.902018976
ACTR3	lightyellow	-0.056449409	0.223382156	-0.059176924	0.201773227
ACTR6	lightyellow	0.091590487	0.047912661	0.080477845	0.08233442
ADAM10	lightyellow	0.080068659	0.083909878	0.062565663	0.177094715
ADH5	lightyellow	0.23669514	2.28E-07	0.236892072	2.23E-07
ADIPOR2	lightyellow	-0.10295335	0.02609514	-0.140454565	0.002348494
ADK	lightyellow	0.253480006	2.79E-08	0.233086418	3.51E-07
ADO	lightyellow	-0.083547362	0.071264257	-0.093483717	0.043465418
ADPGK	lightyellow	0.162078435	0.000437383	0.137649245	0.002874452
AEBP2	lightyellow	-0.123800836	0.007395272	-0.141372196	0.002196541
AFG3L2	lightyellow	-0.144523091	0.001740611	-0.167726242	0.000271893
AFTPH	lightyellow	0.015000109	0.746464592	0.002117511	0.963599406
AGGF1	lightyellow	0.109581743	0.017842383	0.091016061	0.049335116
AGL	lightyellow	0.0598837	0.19643019	0.022536447	0.627127936
AGPS	lightyellow	0.103917122	0.024721129	0.082143697	0.076165603
AIDA	lightyellow	-0.009814179	0.832479255	-0.033303744	0.472775532
AK4	lightyellow	0.038290351	0.409061284	0.028295967	0.541885379
AKIRIN1	lightyellow	-0.127331075	0.005860293	-0.147625237	0.001378075
AKIRIN2	lightyellow	-0.187247041	4.67E-05	-0.192496062	2.81E-05
AKTIP	lightyellow	-0.014425991	0.755854596	-0.011238153	0.808613309
ALDH5A	lightyellow	-0.110981236	0.016425849	-0.127225291	0.00590177
ALG6	lightyellow	0.04708403	0.309948147	0.029100734	0.530449701
ALKBH1	lightyellow	-0.143838228	0.001831608	-0.157292312	0.000646625
AMD1	lightyellow	0.101439738	0.028385776	0.071783452	0.121358846
AMMECH	lightyellow	0.103965872	0.02465332	0.105354165	0.022788541
AMZ2	lightyellow	-0.038362154	0.408182695	-0.059648539	0.198196354
ANKEF1	lightyellow	0.037113544	0.423619977	0.018148952	0.69566175
ANKRD1	lightyellow	0.1216992	0.008471263	0.137531063	0.002898798
ANKRD3	lightyellow	0.114038492	0.013669346	0.092047691	0.046805184
ANXA7	lightyellow	0.063344911	0.171750947	0.057542011	0.214535767
AP1AR	lightyellow	0.081925754	0.076950643	0.049822126	0.282622303
AP1S2	lightyellow	0.085243789	0.065687778	0.055299472	0.232970472
AP1S3	lightyellow	0.223337353	1.09E-06	0.226023329	8.00E-07
AP3B1	lightyellow	0.206921264	6.53E-06	0.168823364	0.000247469
AP3M1	lightyellow	0.111499916	0.015926432	0.079981148	0.084249953
AP5M1	lightyellow	0.046663526	0.314293857	0.043852029	0.344370188

API5	lightyellow	0.069726167	0.132429847	0.037857939	0.414375987
APIP	lightyellow	0.116636623	0.011655763	0.085639553	0.064439774
ARCN1	lightyellow	0.123252605	0.007663482	0.103412168	0.025433024
ARF4	lightyellow	0.147399381	0.00140192	0.150325767	0.001120441
ARF6	lightyellow	0.107895865	0.019689507	0.095674274	0.038758595
ARHGAP	lightyellow	0.175279533	0.000140557	0.152927978	0.000914902
ARL5A	lightyellow	-0.110621003	0.016780723	-0.124105147	0.007250045
ARL5B	lightyellow	-0.004730363	0.918795864	-0.03356482	0.469310167
ARMC10	lightyellow	0.088222268	0.056765128	0.08901671	0.054564289
ARMCX5	lightyellow	0.021493488	0.643158705	0.003366448	0.942160396
ARMCX6	lightyellow	-0.043289634	0.350599325	-0.077499315	0.094366151
ARSK	lightyellow	0.058513165	0.206886519	0.041182248	0.374568943
ASAH2B	lightyellow	0.148569717	0.001282346	0.145894167	0.001570769
ASCC1	lightyellow	-0.000614152	0.98943922	-0.024470216	0.597868878
ASNSD1	lightyellow	-0.10276929	0.026364898	-0.118910909	0.010113308
ASPH	lightyellow	0.096376602	0.03734402	0.062823913	0.175310232
ASUN	lightyellow	-0.000159405	0.997258843	-0.028897433	0.533327017
ATAD1	lightyellow	0.039473733	0.39472479	0.012230804	0.792079351
ATF1	lightyellow	-0.106781161	0.021000336	-0.141735311	0.002138933
ATG3	lightyellow	0.083779675	0.070478479	0.090459703	0.050746331
ATG5	lightyellow	-0.031490811	0.497222273	-0.050750953	0.273734176
ATMIN	lightyellow	0.15925364	0.000551626	0.155869056	0.000724826
ATP2C1	lightyellow	0.159122511	0.000557549	0.125276482	0.006714563
ATP6AP2	lightyellow	-0.138488222	0.002706899	-0.142523487	0.002018613
ATP6V1A	lightyellow	0.078366701	0.090725614	0.076078904	0.100578927
ATP6V1I	lightyellow	0.136962082	0.003018657	0.1528765	0.000918605
AUH	lightyellow	0.038541863	0.405988681	0.012041068	0.795232705
AVL9	lightyellow	0.110108823	0.017296828	0.094236573	0.041796199
AZI2	lightyellow	0.032502715	0.483495005	0.008676249	0.851663482
B3GALN	lightyellow	-0.006033188	0.896542644	-0.003574656	0.938589974
B3GNT2	lightyellow	-0.078519833	0.090094753	-0.069462327	0.133904349
BAZ1A	lightyellow	0.23909916	1.70E-07	0.23169934	4.13E-07
BBS7	lightyellow	0.020078096	0.665180318	-0.010350149	0.823477006
BCAS2	lightyellow	-0.047338924	0.307333292	-0.067775361	0.14363308
BCKDHB	lightyellow	0.040432874	0.383330216	0.032811215	0.47935113
BCL10	lightyellow	0.092454499	0.045837906	0.095342234	0.039443006
BCL2L13	lightyellow	0.130410399	0.004762059	0.10639738	0.021468858
BCL2L2-I	lightyellow	0.100012036	0.030702554	0.085419594	0.065130963
BCL3	lightyellow	0.128729108	0.005336213	0.136254702	0.003173947
BCLAF1	lightyellow	0.036361865	0.433075354	6.03E-05	0.998963392
BFAR	lightyellow	0.069870512	0.131628485	0.079186382	0.087389629
BIRC2	lightyellow	-0.012698862	0.784314941	-0.049320619	0.287501508
BLOC1S5	lightyellow	-0.209772332	4.83E-06	-0.238255677	1.89E-07
BMI1	lightyellow	-0.090863135	0.049719705	-0.12302356	0.007778088
BMS1	lightyellow	0.038181309	0.410397671	0.003333176	0.942731075

BOD1	lightyellow	-0.171668035	0.000193356	-0.200589099	1.26E-05
BPGM	lightyellow	0.061875169	0.181932152	0.060717553	0.190260221
BRCC3	lightyellow	0.168672255	0.000250707	0.161472168	0.000459866
BRD7	lightyellow	0.118168463	0.010595658	0.098073011	0.034106869
BRMS1L	lightyellow	-0.235397143	2.66E-07	-0.258191184	1.51E-08
BSDC1	lightyellow	0.028382166	0.540654661	0.001012466	0.982590789
BTBD1	lightyellow	0.046951187	0.311316726	0.029376686	0.526556753
BTBD10	lightyellow	0.077032675	0.096372455	0.064252429	0.165680261
BTG3	lightyellow	0.023726212	0.609053005	0.006286846	0.892218825
BUD13	lightyellow	0.041001523	0.376670508	0.008075019	0.861835744
BZW1	lightyellow	-0.058790626	0.204737802	-0.080443186	0.082466931
C1orf76	lightyellow	0.279440442	7.98E-10	0.261846464	9.25E-09
C1orf88	lightyellow	-0.030753749	0.507349847	-0.073442535	0.112967635
C11orf57	lightyellow	-0.062774249	0.175652362	-0.088656159	0.055554686
C11orf58	lightyellow	-0.005013152	0.913959611	-0.032396086	0.484931785
C12orf4	lightyellow	-0.034244915	0.46034909	-0.037348171	0.420693446
C12orf5	lightyellow	0.144298395	0.001769999	0.146789631	0.001468201
C12orf66	lightyellow	-0.077526407	0.094250702	-0.082487682	0.074939814
C16orf72	lightyellow	0.044105562	0.341585204	0.046159264	0.319557579
C16orf87	lightyellow	0.10596325	0.022009758	0.111256418	0.016159205
C17orf75	lightyellow	-0.017903754	0.699572619	-0.033764106	0.466674419
C18orf32	lightyellow	0.078455134	0.090360866	0.083444357	0.071614946
C1D	lightyellow	-0.088213489	0.056791025	-0.095298617	0.039533669
C1GALT1	lightyellow	-0.026177452	0.572563472	-0.012766813	0.78318948
C1GALT1	lightyellow	0.103260337	0.025650507	0.097924533	0.034380316
C1orf174	lightyellow	0.098229172	0.033821271	0.079195913	0.087351429
C21orf2	lightyellow	-0.020816036	0.653661492	-0.017257594	0.709916677
C2orf49	lightyellow	-0.155244764	0.000761817	-0.188028045	4.33E-05
C2orf69	lightyellow	-0.041456313	0.371395787	-0.056425054	0.223582268
C3orf33	lightyellow	-0.146800218	0.001467026	-0.175067872	0.000143234
C3orf38	lightyellow	0.025754403	0.578786658	0.022153401	0.632995696
C4orf3	lightyellow	0.091680087	0.047693911	0.107157583	0.020549449
C5orf15	lightyellow	0.081466726	0.078625587	0.07397112	0.110392124
C5orf22	lightyellow	-0.039022649	0.400153512	-0.0521028	0.261141631
C5orf51	lightyellow	-0.114504435	0.013287146	-0.129140591	0.00519021
C6orf211	lightyellow	0.138508598	0.002702943	0.106782908	0.020998223
C7orf49	lightyellow	-0.077921701	0.092579018	-0.095394639	0.039334314
C9orf41	lightyellow	0.1373724	0.002931778	0.120400989	0.009203664
C9orf85	lightyellow	0.034573122	0.456058919	-0.000835263	0.985637411
CAB39	lightyellow	-0.124647568	0.006997499	-0.124910564	0.006877909
CACUL1	lightyellow	-0.043417113	0.349181151	-0.053467931	0.248836424
CALU	lightyellow	-0.100438879	0.029993514	-0.11809343	0.010645522
CANX	lightyellow	0.032290455	0.486357384	-0.000200268	0.996556158
CAP1	lightyellow	-0.057975412	0.211097359	-0.044857643	0.333408618
CAPZA1	lightyellow	0.120970172	0.008875887	0.105678017	0.02237154

CAPZA2	lightyellow	-0.047282278	0.307913136	-0.058682589	0.205572533
CASC3	lightyellow	0.09793403	0.03436277	0.064072222	0.166872741
CASP3	lightyellow	0.258594954	1.43E-08	0.258904393	1.37E-08
CASP8	lightyellow	-0.033963665	0.464043284	-0.028776093	0.535048085
CAST	lightyellow	0.019611092	0.672511119	0.033925195	0.464549852
CBFB	lightyellow	0.313780495	3.96E-12	0.307433187	1.11E-11
CBWD2	lightyellow	-0.116544149	0.011722662	-0.148863641	0.001253828
CBWD5	lightyellow	-0.038310633	0.408812998	-0.052241402	0.259873488
CBX1	lightyellow	-0.036694867	0.42887159	-0.066648811	0.150424865
CCBL2	lightyellow	0.171486876	0.000196441	0.151178566	0.00104881
CCDC115	lightyellow	-0.140010981	0.002425336	-0.157038015	0.000659997
CCDC126	lightyellow	0.04576878	0.323672896	0.024650151	0.595178063
CCDC15	lightyellow	0.007322577	0.87459843	-0.021637062	0.640941834
CCDC47	lightyellow	0.027972476	0.546516464	0.014102663	0.761158752
CCNC	lightyellow	0.063096098	0.173443969	0.066701234	0.150103497
CCNG1	lightyellow	0.110830391	0.016573643	0.084469548	0.06818671
CCNJ	lightyellow	0.169665357	0.000230133	0.158357513	0.000593298
CCNY	lightyellow	-0.143069611	0.001938909	-0.159014638	0.000562466
CCNYL1	lightyellow	-0.099428597	0.03169489	-0.097046109	0.036036574
CCT4	lightyellow	-0.068807384	0.137619265	-0.083204663	0.072436464
CCZ1	lightyellow	-0.066551572	0.151022359	-0.064093534	0.16673138
CCZ1B	lightyellow	-0.055661063	0.229924623	-0.061825828	0.18228153
CD164	lightyellow	-0.01166016	0.801573337	-0.010178413	0.826359054
CD2AP	lightyellow	0.006126852	0.894945694	-0.002236621	0.961553402
CDADC1	lightyellow	0.067250042	0.146770391	0.041188478	0.374496627
CDC27	lightyellow	0.002686014	0.953836406	-0.021381583	0.644888788
CDC42E	lightyellow	-0.113161249	0.014415263	-0.087737563	0.058145618
CDC5L	lightyellow	-0.070700376	0.127093783	-0.109856454	0.017556196
CDCA7L	lightyellow	-0.138290128	0.002745638	-0.16540022	0.000331309
CDK2AP	lightyellow	0.13030983	0.004794769	0.13246884	0.004135306
CDK8	lightyellow	-0.00617394	0.894143021	-0.028228559	0.542848781
CDK9	lightyellow	-0.003984786	0.931560598	0.01182124	0.798890367
CDKN1B	lightyellow	-0.224468827	9.56E-07	-0.230721779	4.64E-07
CDKN2A	lightyellow	-0.082127368	0.076224194	-0.116446708	0.01179352
CDR2	lightyellow	-0.008020874	0.862752973	-0.014923812	0.747710343
CDV3	lightyellow	-0.150570879	0.001099404	-0.174325494	0.000153006
CDYL	lightyellow	-0.214984521	2.75E-06	-0.238455291	1.84E-07
CEBPZ	lightyellow	-0.176088937	0.000130748	-0.201940416	1.09E-05
CELF1	lightyellow	-0.031758331	0.493573147	-0.061720648	0.183027944
CEP104	lightyellow	0.09871402	0.032947507	0.090757747	0.049986198
CEP57	lightyellow	-0.042887964	0.355091569	-0.08163545	0.078006528
CEP63	lightyellow	-0.11169473	0.01574232	-0.142031025	0.002093042
CEP70	lightyellow	-0.064141651	0.166412547	-0.065547502	0.157297735
CEP76	lightyellow	-0.086053211	0.063156259	-0.099068576	0.032320805
CEP78	lightyellow	0.14849129	0.001290056	0.146107569	0.001545746

CERS6	lightyellow	0.03293672	0.477670842	0.004675651	0.919731908
CFAP20	lightyellow	0.083669943	0.070848752	0.099476104	0.031613075
CHIC2	lightyellow	0.017482451	0.706310888	0.012322821	0.790551274
CHML	lightyellow	-0.000244427	0.995796793	-0.027697768	0.550464459
CHMP2B	lightyellow	0.010932648	0.813719475	-0.00660406	0.886816173
CHMP3	lightyellow	0.070449725	0.128450477	0.051335868	0.26823577
CHMP5	lightyellow	-0.06341007	0.171309622	-0.062940201	0.174511071
CHST12	lightyellow	-0.16324936	0.000396828	-0.136518312	0.003115248
CHUK	lightyellow	0.128647366	0.005365654	0.09875032	0.032882872
CLCC1	lightyellow	0.146067563	0.001550409	0.121370446	0.008651646
CLEC11A	lightyellow	-0.111429195	0.015993733	-0.085887883	0.063666696
CLINT1	lightyellow	-0.044362441	0.338778158	-0.04421492	0.340388384
CLN5	lightyellow	-0.008340815	0.857335798	-0.024478545	0.597744201
CLNS1A	lightyellow	-0.060441626	0.192285948	-0.096227318	0.037640975
CLPX	lightyellow	0.064576851	0.163549598	0.038694985	0.404124812
CMAS	lightyellow	-0.025264109	0.586038425	-0.030961589	0.504483142
CNBP	lightyellow	-0.291748067	1.29E-10	-0.317002179	2.32E-12
CNEP1R1	lightyellow	0.213622423	3.19E-06	0.209175242	5.15E-06
CNIH1	lightyellow	0.056275351	0.224815114	0.038018845	0.41239358
CNOT11	lightyellow	0.25445911	2.46E-08	0.245740701	7.49E-08
CNOT6	lightyellow	0.129966719	0.004907895	0.104120016	0.024439968
CNOT8	lightyellow	0.067167943	0.147265387	0.06025786	0.193643815
COA1	lightyellow	-0.05239098	0.258509693	-0.071832648	0.121103223
COA7	lightyellow	-0.160557814	0.000495815	-0.177905367	0.000111025
COG8	lightyellow	0.140808647	0.002288759	0.149332684	0.001209524
COIL	lightyellow	-0.014942765	0.747400836	-0.044759802	0.33446516
COMMD8	lightyellow	0.117005915	0.011391959	0.107163516	0.020542411
COPB1	lightyellow	0.118172134	0.010593224	0.095544185	0.039025531
COPB2	lightyellow	0.060684114	0.190504872	0.058404983	0.207728713
COPG2	lightyellow	0.076100198	0.100483448	0.031814414	0.492809958
COPS4	lightyellow	0.086512613	0.061755569	0.065368842	0.158434705
COPS8	lightyellow	-0.077360662	0.094958768	-0.103917729	0.024720284
COQ10B	lightyellow	0.035843351	0.439668073	0.043675251	0.34632057
COX10	lightyellow	0.282047336	5.46E-10	0.274044131	1.72E-09
COX11	lightyellow	0.071326698	0.123752282	0.05419868	0.242418196
COX15	lightyellow	0.285003811	3.54E-10	0.283234001	4.59E-10
CPOX	lightyellow	0.072541778	0.117465027	0.056279487	0.224780989
CPSF2	lightyellow	0.135976408	0.003237004	0.130303623	0.004796794
CRCP	lightyellow	-0.039972076	0.388779213	-0.045653493	0.324894458
CREM	lightyellow	-0.171412138	0.000197727	-0.180503594	8.76E-05
CRNKL1	lightyellow	-0.098362744	0.033578607	-0.100597506	0.029733616
CRY1	lightyellow	-0.034637791	0.455216259	-0.067412556	0.145794295
CSNK2A	lightyellow	-0.151163224	0.00105006	-0.179178754	9.89E-05
CSNK2A1	lightyellow	0.072836859	0.115976545	0.085013188	0.066424067
CST3	lightyellow	0.035668394	0.441905478	0.057914121	0.211581189

CSTF2T	lightyellow	0.043262744	0.35089893	0.017365667	0.708182809
CTC-534	lightyellow	0.065893254	0.155114945	0.062451757	0.177886067
CTNNAL	lightyellow	0.100446543	0.029980914	0.080905683	0.080712804
CTPS2	lightyellow	-0.004229251	0.927373122	-0.025327469	0.585098943
CTR9	lightyellow	0.140324844	0.002370732	0.08562122	0.064497152
CUL2	lightyellow	-0.000966011	0.983389451	-0.022804566	0.623034627
CUL4A	lightyellow	0.048093793	0.299675014	0.03141178	0.498303026
CUL5	lightyellow	-0.016144162	0.727865732	-0.046437155	0.316649754
CWC22	lightyellow	-0.117328123	0.011166119	-0.151745256	0.001003572
CWC27	lightyellow	-0.020814229	0.653689609	-0.03643757	0.432117583
CXADR	lightyellow	0.234016099	3.14E-07	0.23453812	2.95E-07
CXorf56	lightyellow	-0.215702537	2.55E-06	-0.227475668	6.77E-07
CYB5R4	lightyellow	0.213763003	3.15E-06	0.216747689	2.27E-06
D2HGDH	lightyellow	0.181337194	8.12E-05	0.170464492	0.000214735
DBT	lightyellow	0.06215727	0.179944144	0.044534897	0.336901951
DCAF12	lightyellow	0.12977854	0.004970955	0.117451546	0.011080666
DCK	lightyellow	0.05420687	0.24234693	0.029730166	0.521591426
DCLRE1	lightyellow	0.166851298	0.000292967	0.135041642	0.003457227
DDX1	lightyellow	-0.008762583	0.850204773	-0.04680835	0.312792681
DDX10	lightyellow	-0.051377255	0.267849605	-0.091574847	0.047950929
DDX18	lightyellow	-0.132696174	0.004070875	-0.159254529	0.000551586
DDX19A	lightyellow	0.035753234	0.440819704	0.050411698	0.276958245
DDX21	lightyellow	0.068973059	0.136672135	0.030988636	0.504110711
DDX3X	lightyellow	0.054417472	0.240519315	0.02014134	0.664189964
DDX46	lightyellow	0.005423426	0.90694881	-0.036509716	0.431205976
DDX50	lightyellow	-0.022068101	0.634305528	-0.053052478	0.252537735
DDX52	lightyellow	-0.020279602	0.662026948	-0.048234644	0.298260225
DEK	lightyellow	-0.15139537	0.001031285	-0.179244281	9.83E-05
DERA	lightyellow	0.089058788	0.054449669	0.089142818	0.054221368
DFFB	lightyellow	0.23516041	2.74E-07	0.20230748	1.05E-05
DHTKD1	lightyellow	0.168092507	0.0002635	0.149080715	0.001233142
DHX29	lightyellow	0.143312294	0.001904424	0.124296834	0.007159881
DHX32	lightyellow	0.260003266	1.18E-08	0.238697731	1.79E-07
DIS3	lightyellow	0.039008589	0.400323445	0.014603605	0.752945705
DLAT	lightyellow	0.11197231	0.015483214	0.109724749	0.017692898
DLD	lightyellow	0.067400659	0.145865578	0.058981511	0.203268964
DNAAF2	lightyellow	0.038026597	0.412298215	0.021939525	0.636282065
DNAJA1	lightyellow	-0.107263311	0.020424329	-0.100195133	0.030396668
DNAJA2	lightyellow	0.126118279	0.006351907	0.131100004	0.004543138
DNAJC21	lightyellow	-0.132506384	0.004124602	-0.155242307	0.000761966
DNAJC28	lightyellow	0.008694123	0.851361442	-0.000832157	0.985690802
DNM1L	lightyellow	-0.044937921	0.332543332	-0.071056729	0.125184119
DPH3	lightyellow	-0.166968905	0.000290048	-0.175516074	0.000137622
DPM1	lightyellow	-0.157451158	0.000638401	-0.182278607	7.44E-05
DPY19L1	lightyellow	0.177264489	0.000117641	0.170966257	0.000205566



DR1	lightyellow	-0.138068956	0.002789486	-0.16116786	0.000471552
DRD4	lightyellow	-0.100034097	0.030665559	-0.099482912	0.031601366
DSC2	lightyellow	0.241077783	1.34E-07	0.225939451	8.08E-07
DSG2	lightyellow	0.191086386	3.23E-05	0.181413756	8.06E-05
DTD2	lightyellow	0.07633554	0.099432983	0.070171487	0.129969605
DUS4L	lightyellow	-0.071517766	0.122746638	-0.076650844	0.098039307
DUSP23	lightyellow	0.146258384	0.001528283	0.166583839	0.000299707
DYNC1L1	lightyellow	0.171394027	0.00019804	0.164100637	0.000369573
E4F1	lightyellow	0.098196195	0.033881412	0.123069523	0.007754968
EAF1	lightyellow	0.148057287	0.001333497	0.134482329	0.00359541
ECD	lightyellow	0.072092601	0.119759462	0.053607692	0.247599819
ECHDC1	lightyellow	-0.054404061	0.240635404	-0.048597905	0.294631961
EFTUD1	lightyellow	0.266529389	4.90E-09	0.236106079	2.45E-07
EI24	lightyellow	0.271055703	2.62E-09	0.259191629	1.32E-08
EIF2AK3	lightyellow	0.019303012	0.6773643	-2.50E-05	0.99957053
EIF2S1	lightyellow	0.079778751	0.085040742	0.058199422	0.209335821
EIF2S3	lightyellow	0.007001548	0.880053736	-0.035299744	0.446641086
EIF3J	lightyellow	0.084818708	0.067050283	0.063859148	0.16829099
EIF4E	lightyellow	0.177014985	0.000120315	0.152858252	0.000919922
EIF4EBP2	lightyellow	0.000467868	0.991954572	-0.034369318	0.458720308
EIF4G2	lightyellow	0.094844144	0.040488846	0.069870794	0.131626922
EIF5	lightyellow	-0.101204517	0.028756818	-0.124231413	0.007190539
ELAC1	lightyellow	0.138539608	0.002696932	0.133216403	0.003926836
ENOPH1	lightyellow	0.302298621	2.52E-11	0.296931439	5.84E-11
EPB41L4	lightyellow	0.181540573	7.97E-05	0.185104665	5.72E-05
ERCC8	lightyellow	0.030929939	0.504919138	0.006318295	0.891682977
ERGIC2	lightyellow	0.039381746	0.39582822	0.027232627	0.557181032
ERI1	lightyellow	0.255662708	2.10E-08	0.235252871	2.71E-07
ERI2	lightyellow	0.144358179	0.001762136	0.131538598	0.004408673
ERLIN1	lightyellow	0.216936397	2.22E-06	0.187894985	4.39E-05
ETF1	lightyellow	0.005780973	0.900844881	-0.013685967	0.768011103
EVA1B	lightyellow	-0.206850392	6.58E-06	-0.176373825	0.000127451
EXD2	lightyellow	0.052602076	0.256593427	0.024553597	0.596621277
EXD3	lightyellow	0.20032244	1.29E-05	0.190743873	3.34E-05
EXOC5	lightyellow	0.069652431	0.132840661	0.055700178	0.229596838
EXOC6	lightyellow	0.214466723	2.91E-06	0.205856957	7.30E-06
EXT2	lightyellow	-0.150696563	0.001088759	-0.187860217	4.40E-05
FAF2	lightyellow	0.037160342	0.423035314	0.008929359	0.847388329
FAM117E	lightyellow	-0.00550218	0.905603872	-0.028544518	0.538340444
FAM118E	lightyellow	0.113127732	0.014444459	0.111348885	0.016070462
FAM120A	lightyellow	0.151611421	0.001014091	0.143238627	0.001914832
FAM127A	lightyellow	-0.195205962	2.16E-05	-0.185335765	5.59E-05
FAM149E	lightyellow	0.031812636	0.492834144	0.000377307	0.993511814
FAM173E	lightyellow	0.045977468	0.321469259	0.036035534	0.437217863
FAM175E	lightyellow	-0.034977321	0.450806365	-0.067582762	0.144777316

FAM177/lightyellow	0.143902273	0.001822918	0.143384454	0.001894279
FAM185/lightyellow	0.125982888	0.006409023	0.104276309	0.024225271
FAM199/lightyellow	0.048106317	0.299549033	0.023173693	0.617418215
FAM200/lightyellow	-0.046498896	0.316006059	-0.062509314	0.177485867
FAM200/lightyellow	0.100964588	0.029139568	0.118862801	0.010143962
FAM204/lightyellow	0.122285092	0.008158085	0.084525997	0.068001918
FAM210/lightyellow	-0.146756369	0.001471898	-0.174823731	0.000146381
FAM21A lightyellow	-0.09378929	0.042781258	-0.131994127	0.004272832
FAM21C lightyellow	-0.160537251	0.000496653	-0.202055558	1.08E-05
FAM220/lightyellow	-0.045364148	0.327973462	-0.054398242	0.240685787
FAM35A lightyellow	0.120360825	0.009227194	0.085723054	0.064178968
FAM3C lightyellow	0.108176718	0.019370693	0.09701789	0.036090885
FAM45A lightyellow	0.085106238	0.066126156	0.046092261	0.320261281
FAM49B lightyellow	-0.124056312	0.007273177	-0.150246883	0.00112729
FAM96A lightyellow	0.084838257	0.066987117	0.077674218	0.093622811
FAM98A lightyellow	0.16955289	0.000232381	0.173287007	0.000167729
FAM98B lightyellow	0.088866404	0.054975366	0.054278064	0.241728021
FAR1 lightyellow	-0.046747959	0.313418088	-0.052054358	0.261585862
FASTKD/lightyellow	-0.005566297	0.90450909	-0.01069768	0.817652088
FBXO22 lightyellow	0.266048322	5.24E-09	0.271657481	2.41E-09
FBXO33 lightyellow	-0.13212332	0.004235	-0.123252977	0.007663297
FBXO34 lightyellow	0.033456655	0.470744188	0.038791114	0.402957293
FDX1 lightyellow	0.047301531	0.30771598	0.056112301	0.226163375
FECH lightyellow	0.214622147	2.87E-06	0.20032391	1.29E-05
FGFR1O/lightyellow	-0.10300479	0.026020175	-0.123597855	0.007493582
FIG4 lightyellow	0.055440724	0.231777265	0.031223099	0.500888294
FITM1 lightyellow	-0.029019314	0.531601097	0.013641336	0.768746118
FNBP1L lightyellow	0.188112586	4.30E-05	0.157323449	0.000645005
FREM2 lightyellow	0.15448841	0.000808971	0.110865589	0.016539053
FZD3 lightyellow	0.150486203	0.00110663	0.124214321	0.007198569
G3BP1 lightyellow	0.054608848	0.238866951	0.023660495	0.610045345
G3BP2 lightyellow	0.106250172	0.021650963	0.084293949	0.068764178
GABPA lightyellow	-0.121200316	0.008746332	-0.156148315	0.000708824
GABPB1 lightyellow	-0.138924615	0.002623309	-0.144359656	0.001761942
GALNT1 lightyellow	0.235760709	2.55E-07	0.233012478	3.54E-07
GART lightyellow	-0.055208802	0.233738682	-0.081701273	0.077766094
GBAS lightyellow	0.107851264	0.019740553	0.103410917	0.02543481
GBE1 lightyellow	0.313675907	4.03E-12	0.281381074	6.02E-10
GCA lightyellow	0.04157166	0.370065273	0.039058933	0.399715196
GCH1 lightyellow	0.152528379	0.000944017	0.158948374	0.000565506
GCLM lightyellow	0.036292929	0.433948546	0.039482391	0.39462103
GDE1 lightyellow	0.187221227	4.68E-05	0.199995728	1.33E-05
GDI2 lightyellow	0.097744767	0.034713885	0.074085886	0.10983909
GDPD1 lightyellow	0.027938195	0.547008381	-0.000352336	0.993941214
GFM2 lightyellow	0.204830008	8.12E-06	0.189295017	3.84E-05

GGNBP2	lightyellow	0.051351042	0.268094149	0.020339346	0.661093155
GHITM	lightyellow	0.128051634	0.005584666	0.132466305	0.00413603
GINM1	lightyellow	-0.150491437	0.001106182	-0.161526825	0.000457796
GLUD1	lightyellow	0.029835518	0.520116207	0.006448239	0.889469421
GMCL1	lightyellow	0.020480926	0.658882392	-0.006380389	0.890625123
GMFB	lightyellow	0.028072667	0.545080041	-0.000983363	0.983091141
GNG10	lightyellow	-0.062981721	0.174226398	-0.090245083	0.051299652
GNPNAT	lightyellow	0.306431672	1.31E-11	0.310432019	6.85E-12
GOLGA4	lightyellow	0.026314352	0.570556433	-0.003358694	0.942293394
GOLGA5	lightyellow	0.016982444	0.714337773	-0.009749371	0.833569292
GOLGA7	lightyellow	-0.191566332	3.08E-05	-0.223158665	1.11E-06
GOLPH3	lightyellow	0.015058894	0.745505222	0.004033093	0.930732991
GOLT1B	lightyellow	-0.08261018	0.074507189	-0.096576754	0.036949003
GPALPP1	lightyellow	-0.093711354	0.042954884	-0.11770076	0.010909883
GPAM	lightyellow	0.064503024	0.164032644	0.011936671	0.796969187
GPD2	lightyellow	0.053252368	0.250752148	0.042587872	0.358471297
GPN3	lightyellow	-0.086052096	0.06315969	-0.09341019	0.043631408
GPR180	lightyellow	0.090283049	0.051201404	0.079093026	0.087764525
GRPEL2	lightyellow	-0.005941171	0.898111902	-0.026014824	0.574952034
GRSF1	lightyellow	0.112710042	0.01481268	0.085784476	0.063987678
GSKIP	lightyellow	0.220338533	1.52E-06	0.21809703	1.96E-06
GSPT1	lightyellow	0.169680718	0.000229827	0.149654729	0.001179945
GSTA4	lightyellow	0.159859186	0.000525024	0.130079025	0.004870605
GTF2A1	lightyellow	-0.01695094	0.714844591	-0.040894831	0.377914577
GTF2E1	lightyellow	-0.025615865	0.580831474	-0.040216389	0.385884351
GTF2H1	lightyellow	-0.012520386	0.787273125	-0.016376539	0.72410701
GTF2H3	lightyellow	0.043530523	0.347922547	0.017488826	0.706208756
GTPBP10	lightyellow	-0.064658907	0.163013965	-0.088417125	0.056219482
GTPBP8	lightyellow	-0.128047113	0.005586358	-0.137558962	0.002893034
GUF1	lightyellow	0.19272261	2.75E-05	0.17872163	0.000103106
GYG1	lightyellow	-0.019960018	0.667030873	-0.008324727	0.857608047
HACL1	lightyellow	0.102657455	0.026529974	0.122773941	0.007904729
HADHB	lightyellow	0.145387536	0.001631672	0.151441183	0.001027617
HAT1	lightyellow	-0.004955634	0.914943032	-0.024796523	0.59299322
HAUS2	lightyellow	0.166663032	0.000297696	0.131917351	0.004295458
HAUS4	lightyellow	0.158814542	0.000571693	0.115591822	0.012431606
HAUS6	lightyellow	-0.090164551	0.05150857	-0.125718111	0.006522054
HBS1L	lightyellow	-0.024608943	0.595793812	-0.045252613	0.329165363
HDAC2	lightyellow	-0.049841273	0.282437132	-0.070094312	0.130393422
HDGFRP	lightyellow	-0.193077085	2.66E-05	-0.204125626	8.74E-06
HEATR3	lightyellow	0.314821618	3.33E-12	0.323002395	8.42E-13
HELQ	lightyellow	-0.048116794	0.299443676	-0.069472601	0.133846691
HEXB	lightyellow	0.265145348	5.92E-09	0.2577958	1.59E-08
HEXDC	lightyellow	0.062939666	0.174514742	0.062365997	0.178483607
HIAT1	lightyellow	-0.036880326	0.426540669	-0.072294209	0.118725342

HIBADH	lightyellow	-0.101729322	0.027934633	-0.078299369	0.091004124
HIBCH	lightyellow	0.069438074	0.134040517	0.071799399	0.12127594
HIGD1A	lightyellow	0.012473631	0.78804857	0.025724022	0.579234792
HINT3	lightyellow	0.159125393	0.000557419	0.142572539	0.002011333
HLX	lightyellow	-0.00709056	0.878540571	0.041981211	0.365365044
HMGCR	lightyellow	0.225513322	8.48E-07	0.217312918	2.13E-06
HMGCS1	lightyellow	0.068760994	0.137885366	0.028758054	0.535304187
HNRNPA	lightyellow	-0.044661285	0.33553117	-0.067577293	0.144809909
HNRNPD	lightyellow	0.043921477	0.343605889	-0.007634927	0.869296299
HNRNPH	lightyellow	-0.068486606	0.139467411	-0.083506392	0.071403574
HNRNPH	lightyellow	-0.151352654	0.001034717	-0.180737585	8.58E-05
HNRNPL	lightyellow	-0.023441332	0.613359862	-0.048224467	0.298362291
HNRNPR	lightyellow	-0.00834042	0.857342478	-0.043835925	0.344547571
HNRNPUL	lightyellow	0.068522156	0.139261658	0.035544257	0.443496905
HOMER1	lightyellow	0.014247916	0.758774492	-0.021938947	0.636290949
HOOK1	lightyellow	0.065991193	0.154500826	0.039178894	0.398268082
HS2ST1	lightyellow	0.033945671	0.464280185	0.006435277	0.889690174
HSD17B1	lightyellow	0.120497226	0.009147498	0.104327737	0.024154983
HSF2	lightyellow	-0.089470087	0.053339789	-0.113547476	0.014082556
HSP90AA	lightyellow	0.095394781	0.039334019	0.099025043	0.032397201
HSPA13	lightyellow	-0.078246665	0.091222605	-0.106099516	0.02183872
HSPA4L	lightyellow	0.174553062	0.000149946	0.180904128	8.45E-05
HSPH1	lightyellow	-0.019461111	0.674872087	-0.030796409	0.506760742
HTATSF1	lightyellow	-0.096277045	0.037541837	-0.124799556	0.006928161
HUS1	lightyellow	0.019693228	0.671219513	0.031034882	0.50347425
IDE	lightyellow	0.331970418	1.78E-13	0.312015971	5.29E-12
IDH3G	lightyellow	0.085395615	0.06520668	0.12991766	0.004924265
IDI1	lightyellow	0.161933025	0.000442681	0.12198302	0.008318238
IDUA	lightyellow	0.08503688	0.066348109	0.090249624	0.051287893
IFRD1	lightyellow	-0.120776986	0.008985953	-0.122825969	0.007878183
IFT20	lightyellow	-0.032389984	0.485014072	-0.041419538	0.371820609
IFT52	lightyellow	-0.22842295	6.06E-07	-0.234707648	2.89E-07
IFT81	lightyellow	-0.042461423	0.359901417	-0.062758732	0.175759358
IKBIP	lightyellow	-0.138123266	0.00277866	-0.127038934	0.005975481
IL13RA1	lightyellow	-0.059105638	0.202317937	-0.081388637	0.078913447
IMMP2L	lightyellow	-0.124866251	0.00689793	-0.160990151	0.000478504
IMPACT	lightyellow	-0.086620377	0.061430741	-0.107261204	0.020426817
ING2	lightyellow	0.047087281	0.309914703	0.043587035	0.347296464
INSIG1	lightyellow	0.284739001	3.68E-10	0.257695201	1.61E-08
INSIG2	lightyellow	-0.054751129	0.237643661	-0.064247103	0.165715412
INTS12	lightyellow	0.111618456	0.01581418	0.095695436	0.038715319
INTS4	lightyellow	0.048604331	0.294568047	0.010199628	0.826002894
IPMK	lightyellow	0.13942984	0.002529477	0.126857998	0.006047838
IPO11	lightyellow	0.091776129	0.047460364	0.077033591	0.096368483
IPO5	lightyellow	0.061452425	0.184941623	0.01588985	0.731986734

IPO7	lightyellow	0.158149295	0.00060339	0.115117591	0.012798556
IPO8	lightyellow	0.013808996	0.765986052	-0.016113619	0.728360246
IREB2	lightyellow	0.074850253	0.106211219	0.059093583	0.202410157
ITFG1	lightyellow	0.064486544	0.164140615	0.05941593	0.19995471
IWS1	lightyellow	-0.048625133	0.294361201	-0.078856788	0.088718975
JKAMP	lightyellow	0.168054203	0.000264366	0.15946364	0.000542262
KANSL2	lightyellow	-0.127533057	0.005781824	-0.15553741	0.000744264
KATNA1	lightyellow	-0.151078208	0.001057015	-0.153482292	0.000875886
KCMF1	lightyellow	-0.033462067	0.47067238	-0.031784661	0.49321477
KDELC1	lightyellow	-0.08927056	0.053875833	-0.114314122	0.013442102
KDSR	lightyellow	-0.102058374	0.027429493	-0.117722079	0.010895383
KHDRBS	lightyellow	-0.051737489	0.264504478	-0.074750078	0.106681209
KIAA002	lightyellow	0.025394079	0.584112003	0.006586259	0.887119216
KIAA114	lightyellow	0.033031291	0.476406833	0.003285382	0.943550856
KIAA119	lightyellow	0.052492426	0.257587562	0.033285759	0.473014774
KIAA127	lightyellow	0.152720579	0.000929908	0.132218378	0.004207358
KIAA158	lightyellow	-0.066540806	0.151088624	-0.086555132	0.061627235
KIAA159	lightyellow	0.231263843	4.35E-07	0.220010594	1.58E-06
KIAA171	lightyellow	0.197943241	1.64E-05	0.18567023	5.42E-05
KIF5B	lightyellow	0.148608069	0.001278592	0.120932774	0.0088971
KLHL23	lightyellow	-0.133490658	0.003852774	-0.150021094	0.001147107
KLHL7	lightyellow	0.015889944	0.731985208	0.000233337	0.995987511
KLHL8	lightyellow	0.128848586	0.005293444	0.088366454	0.056361254
KPNA3	lightyellow	0.091159997	0.04897541	0.069747741	0.132309837
KPNB1	lightyellow	0.153906268	0.000847088	0.117897704	0.010776574
KRAS	lightyellow	0.011624339	0.80217029	0.00203176	0.965072527
KRCC1	lightyellow	-0.104935619	0.023337433	-0.13108876	0.004546633
KRR1	lightyellow	-0.094495188	0.041235429	-0.126991361	0.00599443
KTN1	lightyellow	-0.048570894	0.294900734	-0.07151893	0.122740534
LAMP2	lightyellow	0.14443326	0.001752306	0.122631901	0.007977611
LARP1B	lightyellow	0.094314392	0.041626789	0.086162861	0.062819585
LARS	lightyellow	0.128212335	0.005524808	0.077487529	0.094416408
LBR	lightyellow	-0.044078454	0.341882289	-0.076636112	0.098104076
LCAT	lightyellow	-0.014759475	0.750395808	-0.010069943	0.828180585
LEO1	lightyellow	0.278197106	9.54E-10	0.274225889	1.68E-09
LGALSL	lightyellow	0.085037785	0.066345211	0.063475747	0.170865646
LGR4	lightyellow	0.085311025	0.065474364	0.084380766	0.068478175
LHB	lightyellow	0.074850386	0.106210596	0.089642744	0.052879524
LHPP	lightyellow	0.054617172	0.23879526	0.051230783	0.269217997
LIN52	lightyellow	-0.076693036	0.097854002	-0.11362215	0.014019015
LIN54	lightyellow	0.025954869	0.575833791	0.027525982	0.552940391
LMBR1	lightyellow	0.037411813	0.419901682	-0.009155437	0.843573548
LMF1	lightyellow	0.206782555	6.62E-06	0.235746221	2.55E-07
LRIF1	lightyellow	-0.2289497	5.70E-07	-0.234499637	2.97E-07
LRPPRC	lightyellow	-0.0615761	0.184057422	-0.085018146	0.066408166

LRRC40	lightyellow	0.005387631	0.907560208	-0.022577449	0.62650122
LRRC57	lightyellow	0.200026474	1.33E-05	0.180945933	8.41E-05
LRRC75E	lightyellow	0.190696954	3.35E-05	0.161731939	0.000450104
LRRC8B	lightyellow	0.12846351	0.005432406	0.099044952	0.032362244
LRRCC1	lightyellow	0.007860172	0.865476393	-0.026127043	0.573303336
LRSAM1	lightyellow	0.096842805	0.036429419	0.085341123	0.065379019
LTA4H	lightyellow	-0.121984919	0.008317222	-0.155698483	0.000734764
LYRM2	lightyellow	-0.00520653	0.910654286	-0.008049044	0.862275738
LZIC	lightyellow	-0.007358705	0.873984877	-0.036520535	0.431069363
MAGT1	lightyellow	-0.02743517	0.554251453	-0.035947138	0.438343878
MANBA	lightyellow	0.041150654	0.374935813	0.023659493	0.610060472
MAP2K1	lightyellow	0.117905818	0.010771114	0.097014543	0.036097332
MAPK1I	lightyellow	0.060559916	0.191415594	0.057119373	0.217927376
MAPK9	lightyellow	0.131566003	0.004400391	0.115660051	0.012379584
MAPRE1	lightyellow	-0.167696292	0.000272591	-0.190347395	3.47E-05
5-Mar	lightyellow	0.199729071	1.37E-05	0.180200444	9.01E-05
7-Mar	lightyellow	-0.101960545	0.027578847	-0.127351034	0.005852496
MARCKS	lightyellow	-0.066099722	0.153822455	-0.071602838	0.122300934
MAT2B	lightyellow	-0.027688537	0.550597369	-0.031970543	0.490688662
MAX	lightyellow	-0.189922695	3.61E-05	-0.184204015	6.22E-05
MBD4	lightyellow	-0.102845023	0.026253614	-0.13196996	0.004279942
MBIP	lightyellow	-0.047600463	0.304665435	-0.054641953	0.23858193
MC1R	lightyellow	-0.000345852	0.994052713	3.15E-05	0.999458012
MCFD2	lightyellow	-0.12858871	0.005386869	-0.154616267	0.000800815
MCL1	lightyellow	-0.052670152	0.255977549	-0.065396481	0.158258407
MCOLN1	lightyellow	0.059634257	0.198303988	0.076805387	0.097361918
MCU	lightyellow	0.027958102	0.54672269	0.043447822	0.348840067
ME2	lightyellow	0.185452816	5.53E-05	0.171967002	0.000188363
MED17	lightyellow	0.01008199	0.827978236	-0.018713939	0.686681083
MED21	lightyellow	-0.031767545	0.493447725	-0.056984966	0.219013976
MESDC2	lightyellow	0.311817456	5.46E-12	0.283529884	4.40E-10
METAP2	lightyellow	0.067555452	0.144940125	0.033695132	0.467585742
METTTL1	lightyellow	-0.089159156	0.054177071	-0.106145889	0.021780777
METTTL14	lightyellow	-0.016841224	0.716610623	-0.028384237	0.540625108
METTTL21	lightyellow	-0.023733789	0.608938647	-0.033754516	0.466801067
METTTL24	lightyellow	0.097416226	0.035330634	0.094954671	0.040254773
METTTL6	lightyellow	-0.127864381	0.005655149	-0.149369398	0.001206118
METTTL8	lightyellow	-0.100728586	0.029520307	-0.115069846	0.012836024
METTTL9	lightyellow	0.019638678	0.672077214	0.007731795	0.867653159
MFAP1	lightyellow	0.123274263	0.007652724	0.104451039	0.02398718
MFHAS1	lightyellow	0.104321445	0.024163573	0.067922671	0.142762584
MFSD1	lightyellow	-0.048136321	0.299247365	-0.060154072	0.194413815
MFSD11	lightyellow	0.016938709	0.715041393	0.005343552	0.908313165
MIB2	lightyellow	-0.072323671	0.118574807	-0.072791291	0.116205434
MICALL2	lightyellow	0.120486328	0.009153843	0.155371104	0.000754193

MICU1	lightyellow	0.03507437	0.449550329	0.037971205	0.412979927
MINA	lightyellow	-0.125486771	0.00662227	-0.127461394	0.005809556
MINPP1	lightyellow	0.126814117	0.006065505	0.093576637	0.043256406
MIOS	lightyellow	0.127882672	0.00564823	0.097222009	0.035699593
MIS12	lightyellow	-0.092951995	0.044677871	-0.121871326	0.008378162
MKRN2	lightyellow	-0.063403436	0.171354518	-0.080113346	0.083736649
MLLT11	lightyellow	-0.141660502	0.002150687	-0.144541531	0.00173822
MMADH	lightyellow	-0.022907106	0.621472226	-0.044662583	0.335517116
MMD	lightyellow	-0.093104278	0.044327757	-0.129611916	0.005027401
MOB1A	lightyellow	-0.048441221	0.296193296	-0.05157276	0.266030566
MPHOSP	lightyellow	0.188398053	4.18E-05	0.188333119	4.21E-05
MPHOSP	lightyellow	0.047948236	0.301141747	0.046666734	0.314260556
MPP5	lightyellow	0.092382107	0.046008798	0.067710196	0.144019451
MRFAP1	lightyellow	0.121317943	0.008680769	0.112321038	0.015163003
MRPL19	lightyellow	0.114879965	0.012985994	0.094573061	0.041067822
MRPL30	lightyellow	0.102342729	0.026999316	0.093203227	0.044101503
MRPL42	lightyellow	0.075912941	0.101325562	0.056571702	0.222379259
MRPS23	lightyellow	-0.050743005	0.273809418	-0.055692448	0.229661591
MRPS27	lightyellow	0.302015385	2.64E-11	0.274978574	1.51E-09
MRPS30	lightyellow	-0.033011326	0.476673521	-0.046745074	0.313447991
MRPS35	lightyellow	0.052937358	0.253570084	0.041268106	0.373573073
MRS2	lightyellow	-0.051517417	0.266544634	-0.056136134	0.225965943
MSH3	lightyellow	0.059043882	0.202790695	0.026404691	0.569233841
MSH6	lightyellow	-0.212209883	3.72E-06	-0.240549992	1.43E-07
MSL1	lightyellow	0.060739095	0.190102729	0.013384112	0.772986313
MSL3	lightyellow	0.028039446	0.545556131	0.037969324	0.413003099
MSMO1	lightyellow	0.234228983	3.06E-07	0.194809469	2.24E-05
MTAP	lightyellow	-0.111890762	0.015558944	-0.124577378	0.007029729
MTFMT	lightyellow	0.038368796	0.408101477	0.028346506	0.541163633
MTHFD2	lightyellow	0.069687348	0.132646005	0.080934001	0.080606389
MTMR2	lightyellow	0.042455343	0.359970276	0.021960082	0.635965878
MTO1	lightyellow	-0.009555654	0.836829412	-0.019083586	0.680829094
MTPN	lightyellow	-0.074518861	0.107772282	-0.09664593	0.036813304
MTRF1L	lightyellow	-0.141882507	0.002115977	-0.14718767	0.001424615
MTX2	lightyellow	-0.003346593	0.942500945	-0.01361622	0.769159846
MUT	lightyellow	0.066834179	0.149290842	0.038559695	0.405771358
MYO1B	lightyellow	0.004173334	0.928330756	-0.007989933	0.863277211
MZF1	lightyellow	0.107309191	0.020370241	0.105796119	0.022221122
NAA15	lightyellow	0.01828613	0.693477279	-0.006038202	0.896457141
NAA30	lightyellow	-0.131481226	0.004426055	-0.139043481	0.002600952
NAA50	lightyellow	-0.085875086	0.063706347	-0.104154456	0.024392517
NADK2	lightyellow	-0.15955507	0.000538231	-0.183318348	6.76E-05
NADSYN	lightyellow	0.28839637	2.14E-10	0.309075474	8.54E-12
NAE1	lightyellow	0.156069216	0.000713323	0.147293631	0.001413215
NAF1	lightyellow	-0.035234378	0.447483757	-0.051207941	0.269431823

NAMPT	lightyellow	-0.057412682	0.215569561	-0.071687771	0.121857217
NARS	lightyellow	0.122662375	0.007961924	0.11628175	0.011914342
NARS2	lightyellow	-0.030161595	0.515563866	-0.072047028	0.119994198
NCK1	lightyellow	-0.054727393	0.23784743	-0.066790904	0.149555001
NCOA5	lightyellow	-0.088533504	0.055894993	-0.120740424	0.00900692
NDFIP2	lightyellow	0.088888199	0.0549156	0.076376717	0.099250086
NDST2	lightyellow	-0.065018684	0.160681035	-0.096887054	0.036343608
NECAP1	lightyellow	0.082075042	0.076412195	0.073947386	0.110506767
NEDD1	lightyellow	-0.018515853	0.689824797	-0.056648918	0.221747685
NET1	lightyellow	0.22472393	9.29E-07	0.192858152	2.72E-05
NFIL3	lightyellow	-0.181679574	7.86E-05	-0.200875908	1.22E-05
NGLY1	lightyellow	0.198950448	1.48E-05	0.187968456	4.36E-05
NGRN	lightyellow	-0.020494164	0.658675825	-0.052603087	0.256584268
NINJ1	lightyellow	0.068262296	0.140771039	0.091733312	0.047564364
NIP7	lightyellow	0.032570663	0.482580641	0.030475039	0.511207399
NKIRAS1	lightyellow	-0.090105922	0.051661113	-0.126614031	0.006146647
NKRF	lightyellow	-0.052537865	0.257175271	-0.0855781	0.06463227
NLK	lightyellow	0.017726653	0.702402314	-0.023438456	0.613403409
NLN	lightyellow	0.211799998	3.89E-06	0.185344189	5.59E-05
NMD3	lightyellow	0.007223133	0.876287675	-0.027992373	0.546231055
NMNAT1	lightyellow	0.205127778	7.87E-06	0.193028813	2.67E-05
NNT	lightyellow	0.051704812	0.264806729	0.047987105	0.300749617
NOC3L	lightyellow	-0.03558509	0.442973071	-0.074068371	0.109923347
NOL11	lightyellow	-0.098708209	0.032957864	-0.132245416	0.004199526
NPEPPS	lightyellow	0.027374278	0.555131406	-0.003450543	0.940718167
NPIPB3	lightyellow	0.062772021	0.175667725	0.071762138	0.121469728
NPIPB5	lightyellow	0.076903842	0.096932322	0.103075344	0.025917657
NR1H2	lightyellow	0.071398898	0.123371525	0.084562107	0.067883926
NRAS	lightyellow	-0.122785079	0.00789904	-0.122718465	0.007933123
NRBF2	lightyellow	-0.096098006	0.037899817	-0.115440047	0.012548023
NSRP1	lightyellow	-0.007072834	0.878841856	-0.048633699	0.294276059
NT5DC1	lightyellow	0.178335988	0.000106779	0.144527079	0.001740094
NUDT21	lightyellow	0.08961449	0.052954617	0.068841419	0.137424279
NUDT4	lightyellow	0.070518783	0.128075575	0.042286991	0.361880078
NUFIP1	lightyellow	-0.0391746	0.398319835	-0.067070574	0.147854099
NUP50	lightyellow	0.0862993	0.062402727	0.050837724	0.272913689
NUP54	lightyellow	-0.042394224	0.360662881	-0.071594155	0.122346367
NUPL1	lightyellow	0.103328109	0.025553233	0.065040701	0.160539085
NUS1	lightyellow	-0.048870838	0.291925387	-0.073038758	0.114966643
NXT2	lightyellow	0.055147292	0.234260846	0.026380383	0.569589573
OGFOD1	lightyellow	0.301763325	2.75E-11	0.288343694	2.16E-10
OLA1	lightyellow	-0.013860837	0.765133218	-0.049298179	0.287721145
ORC5	lightyellow	0.086082626	0.063065795	0.074640604	0.107196705
OSBP	lightyellow	0.149500044	0.001194069	0.129921876	0.004922856
OSBPL3	lightyellow	-0.096078341	0.037939313	-0.087691355	0.058278548



OXCT1	lightyellow	0.097953052	0.03432765	0.085017597	0.066409928
OXSR1	lightyellow	0.044661355	0.335530413	0.004295252	0.926242919
P2RX4	lightyellow	0.227400548	6.83E-07	0.228352966	6.11E-07
P4HA1	lightyellow	0.128758823	0.005325547	0.108553018	0.018950586
PACRGL	lightyellow	-0.01636098	0.724358465	-0.02645455	0.568504513
PAFAH1H	lightyellow	0.10474843	0.023586597	0.08385379	0.070229285
PAIP1	lightyellow	-0.07316449	0.114341218	-0.096359874	0.037377197
PAIP2	lightyellow	-0.008727496	0.850797542	-0.027531579	0.552859634
PANK1	lightyellow	0.208954406	5.27E-06	0.171323171	0.000199269
PANK3	lightyellow	-0.002442006	0.95802604	-0.032520434	0.483256474
PANX1	lightyellow	-0.114519185	0.013275202	-0.134112388	0.003689538
PAPD5	lightyellow	0.156321342	0.000699073	0.144738391	0.001712872
PAPOLA	lightyellow	-0.021979984	0.635659834	-0.060065063	0.195075946
PARP16	lightyellow	0.116629581	0.011660845	0.098796097	0.032801515
PBRM1	lightyellow	0.082982308	0.073205413	0.0584144	0.207655301
PCGF6	lightyellow	0.098225089	0.033828713	0.065198542	0.15952423
PCID2	lightyellow	-0.135701071	0.003300509	-0.15891301	0.000567135
PCMT1	lightyellow	-0.072165668	0.119383866	-0.055872109	0.228159988
PDCD10	lightyellow	-0.182727118	7.14E-05	-0.186875323	4.84E-05
PDCD7	lightyellow	-0.036191797	0.435231392	-0.04545916	0.32696034
PDE12	lightyellow	0.162109726	0.000436251	0.1672881	0.000282263
PDHX	lightyellow	0.263597916	7.31E-09	0.258729552	1.40E-08
PDIK1L	lightyellow	0.097029742	0.036068067	0.077230876	0.095516178
PDK1	lightyellow	0.11034829	0.017053824	0.099393755	0.031755009
PDS5A	lightyellow	0.20824405	5.68E-06	0.180761597	8.56E-05
PDSS2	lightyellow	0.174284864	0.000153559	0.16465341	0.00035282
PDXDC1	lightyellow	0.159561821	0.000537935	0.173311901	0.000167361
PDZD8	lightyellow	0.302610804	2.40E-11	0.279662742	7.72E-10
PEX13	lightyellow	0.115297847	0.012657967	0.114011315	0.013691935
PEX3	lightyellow	-0.125434671	0.00664503	-0.135151004	0.003430778
PFN2	lightyellow	-0.136584013	0.003100773	-0.126827721	0.006060023
PGM2	lightyellow	0.158730184	0.000575625	0.113127456	0.0144447
PGM3	lightyellow	0.199346343	1.42E-05	0.189459141	3.78E-05
PGRMC1	lightyellow	-0.082146238	0.07615649	-0.092058401	0.046779501
PGRMC2	lightyellow	0.114496727	0.013293391	0.11734627	0.011153518
PHAX	lightyellow	0.050772327	0.27353191	0.033491976	0.470275645
PHF10	lightyellow	-0.077295907	0.095236556	-0.112499848	0.015001079
PHF13	lightyellow	-0.031053809	0.503213889	-0.073000649	0.115156735
PHF14	lightyellow	0.013429369	0.772239776	0.000542291	0.99067486
PHF20	lightyellow	-0.124493899	0.007068234	-0.151339239	0.001035796
PHOSPHO	lightyellow	-0.104965637	0.023297689	-0.10236876	0.026960228
PHTF2	lightyellow	-0.067319986	0.146349678	-0.078178875	0.091504242
PI4K2B	lightyellow	0.228352697	6.11E-07	0.211983046	3.81E-06
PIGA	lightyellow	0.043862404	0.344255937	0.041441936	0.371561835
PIGF	lightyellow	0.085417922	0.065136241	0.071325255	0.123759906

PIGK	lightyellow	-0.114129733	0.01359375	-0.151506691	0.001022392
PIGN	lightyellow	0.227874615	6.46E-07	0.189722166	3.68E-05
PIGW	lightyellow	0.024994077	0.590050244	0.016617997	0.720208419
PIK3CB	lightyellow	-0.023926097	0.606039156	-0.024373167	0.599322473
PITPNB	lightyellow	0.010338067	0.823679688	-0.006679114	0.885538646
PLA2G12	lightyellow	0.066718155	0.149999877	0.074843261	0.106243967
PLAA	lightyellow	0.034911761	0.451655993	0.024406598	0.598821554
PLEKHA1	lightyellow	0.069535948	0.133491638	0.077930661	0.092541405
PLOD2	lightyellow	0.078541556	0.090005544	0.079314716	0.086876375
PLRG1	lightyellow	0.083829533	0.070310765	0.050890994	0.272410799
PLS1	lightyellow	0.242702141	1.09E-07	0.242424515	1.13E-07
PLS3	lightyellow	0.076075392	0.100594682	0.074257759	0.109014945
PMM2	lightyellow	0.095635458	0.038838082	0.085728993	0.064160453
PMPCB	lightyellow	0.131425322	0.004443052	0.117717346	0.010898601
PNN	lightyellow	-0.020423615	0.659776941	-0.060354863	0.192926175
PNPLA2	lightyellow	-0.048199346	0.298614358	-0.020813263	0.653704622
PNPLA6	lightyellow	0.098410824	0.033491622	0.122833164	0.007874518
PNPT1	lightyellow	-0.118988546	0.010064012	-0.135996994	0.003232301
PNRC2	lightyellow	0.009990939	0.829507875	-0.011510393	0.804069955
POLE3	lightyellow	0.175948629	0.000132401	0.156981877	0.000662983
POLR2C	lightyellow	0.066185869	0.153285592	0.072376124	0.118307168
POLR3F	lightyellow	-0.233360157	3.40E-07	-0.237061141	2.18E-07
POLR3G	lightyellow	0.06021775	0.193941125	0.049914615	0.281728617
PON2	lightyellow	0.130962711	0.004585984	0.105048915	0.023187736
POT1	lightyellow	-0.175228656	0.000141197	-0.208851308	5.33E-06
PPA1	lightyellow	0.125608531	0.006569353	0.114191631	0.013542676
PPAPDC2	lightyellow	0.069671327	0.132735294	0.059342429	0.200512682
PPAT	lightyellow	-0.011064293	0.811518204	-0.03967438	0.392324372
PPID	lightyellow	0.155390507	0.000753028	0.132396772	0.004155923
PPIG	lightyellow	-0.071739674	0.121586673	-0.105540984	0.022547173
PPIL4	lightyellow	-0.097222779	0.035698122	-0.115598753	0.012426313
PPM1B	lightyellow	-0.025910409	0.576488075	-0.038372465	0.408056626
PPP1CB	lightyellow	-0.071887983	0.120816203	-0.085118924	0.066085625
PPP1R2	lightyellow	-0.053798938	0.245914635	-0.064335088	0.165135427
PPP2R1B	lightyellow	0.318527469	1.80E-12	0.303633489	2.04E-11
PPP2R5C	lightyellow	-0.016251107	0.726135061	-0.030691062	0.508216146
PPP2R5E	lightyellow	0.039905936	0.389565166	0.024955671	0.59062186
PPP3R1	lightyellow	-0.062842233	0.175184155	-0.085670047	0.064344427
PPTC7	lightyellow	-0.100010714	0.030704771	-0.105050133	0.023186132
PRCP	lightyellow	-0.096149639	0.037796285	-0.133113531	0.003954948
PRDX3	lightyellow	0.238389943	1.86E-07	0.223708469	1.04E-06
PRKAR2A	lightyellow	0.102161961	0.027272107	0.09409145	0.042113687
PRMT3	lightyellow	0.022713434	0.624424621	-0.011717478	0.800618367
PRMT6	lightyellow	-0.182069325	7.59E-05	-0.196072752	1.98E-05
PRPF18	lightyellow	-0.059246596	0.201241878	-0.088322802	0.056483622

PRPF38A	lightyellow	-0.108997255	0.018464873	-0.137211482	0.002965575
PRPF40A	lightyellow	-0.050893849	0.272383872	-0.07907381	0.08784185
PRPS2	lightyellow	0.104744409	0.023591974	0.094622882	0.040960894
PRPSAP2	lightyellow	0.131100436	0.004543004	0.117110791	0.01131801
PSEN1	lightyellow	0.043523494	0.348000466	0.036321853	0.433582053
PSMA6	lightyellow	-0.050499102	0.276125152	-0.064776974	0.162245582
PSMD10	lightyellow	-0.02292569	0.621189242	-0.017673773	0.703248036
PSMD12	lightyellow	0.004827999	0.91712575	-0.0048806	0.916226142
PSME4	lightyellow	-0.080893531	0.080758503	-0.068056786	0.14197358
PSMG4	lightyellow	-0.018254416	0.69398209	0.021210207	0.647542023
PSPC1	lightyellow	0.148116452	0.001327497	0.11601429	0.012112564
PSPH	lightyellow	0.169295052	0.000237612	0.16427649	0.000364164
PTBP3	lightyellow	0.197267479	1.76E-05	0.181370222	8.09E-05
PTCD2	lightyellow	0.049847305	0.282378817	0.017035043	0.713491863
PTER	lightyellow	0.110872498	0.016532271	0.096464269	0.037170563
PTGES3	lightyellow	0.008733607	0.850694287	-0.009437422	0.838820532
PTP4A1	lightyellow	0.052581736	0.256777638	0.047803868	0.30260121
PTP4A2	lightyellow	-0.163611831	0.000385002	-0.166397776	0.000304481
PTPLB	lightyellow	0.05338174	0.249601179	0.018615872	0.688236782
PTPN11	lightyellow	-0.006489143	0.888772801	-0.036904498	0.426237415
PWP1	lightyellow	-0.02530702	0.585402075	-0.048331375	0.297291181
PXYLP1	lightyellow	-0.069655225	0.132825078	-0.105575364	0.022502997
PYCARD	lightyellow	0.010261048	0.824971994	0.075414344	0.103595149
QRSL1	lightyellow	0.145488343	0.001619384	0.14258685	0.002009214
R3HCC1I	lightyellow	0.036112493	0.436238883	0.017223124	0.710470006
RAB10	lightyellow	0.015839484	0.732803816	0.001427518	0.975455943
RAB12	lightyellow	-0.322121545	9.79E-13	-0.344012007	2.03E-14
RAB18	lightyellow	0.026350156	0.57003207	0.000246754	0.995756775
RAB1A	lightyellow	0.038890456	0.401752872	0.038934873	0.401215066
RAB21	lightyellow	-0.091362688	0.048472595	-0.104944494	0.023325676
RAB27B	lightyellow	0.193109082	2.65E-05	0.165333674	0.000333175
RAB28	lightyellow	-0.033441245	0.470948679	-0.053347788	0.249902884
RAB32	lightyellow	-0.238675513	1.79E-07	-0.219456891	1.68E-06
RAB3IP	lightyellow	-0.006702828	0.885135049	-0.031005704	0.503875767
RAB5B	lightyellow	-0.141570663	0.002164881	-0.176820496	0.000122439
RAB6A	lightyellow	-0.0232186	0.616736457	-0.057068099	0.218341433
RAB7A	lightyellow	-0.134895809	0.003492784	-0.13855	0.00269492
RAB9A	lightyellow	0.000646307	0.988886321	-0.000616867	0.989392531
RABGGT	lightyellow	-0.091624067	0.04783058	-0.130290736	0.004801002
RABL3	lightyellow	0.040766536	0.379413878	0.015945702	0.731081013
RAD1	lightyellow	-0.056786195	0.220628026	-0.073115838	0.114582909
RAD51C	lightyellow	-0.014155166	0.760296679	-0.020624266	0.656647158
RALA	lightyellow	-0.103698566	0.025027114	-0.109949651	0.017460022
RALB	lightyellow	-0.092187875	0.046469948	-0.119910354	0.009494803
RANBP9	lightyellow	-0.052585713	0.256741608	-0.060821438	0.189501616

RAP1A	lightyellow	-0.133606337	0.003821916	-0.143095969	0.001935136
RAP1GDI	lightyellow	0.251880512	3.43E-08	0.232644233	3.70E-07
RAP2A	lightyellow	-0.08287763	0.073569708	-0.09907852	0.032303377
RARS2	lightyellow	-0.004004437	0.931223918	-0.006259484	0.892685083
RBBP8	lightyellow	0.031385691	0.49866007	-0.004828368	0.917119433
RBBP9	lightyellow	0.135775269	0.003283286	0.113965897	0.013729758
RBM22	lightyellow	-0.072169594	0.119363713	-0.088992711	0.054629754
RBM27	lightyellow	-0.149624182	0.001182722	-0.164483379	0.000357896
RBM4	lightyellow	-0.035190841	0.448045517	-0.069825759	0.131876539
RBM45	lightyellow	0.010862227	0.81489762	-0.004612464	0.920813064
RBM7	lightyellow	0.107686207	0.01993047	0.061747228	0.182839101
RBMX	lightyellow	-0.05134391	0.268160706	-0.094245495	0.041776748
RCL1	lightyellow	-0.123227994	0.007675724	-0.14279581	0.001978502
RCN2	lightyellow	0.039523487	0.394128735	-0.003876627	0.933413881
RDX	lightyellow	0.077261132	0.095386001	0.059202435	0.20157855
REEP3	lightyellow	0.12148088	0.008590675	0.103528507	0.025267458
REXO2	lightyellow	0.186333	5.09E-05	0.143506335	0.001877256
RFK	lightyellow	0.173208915	0.000168888	0.149372733	0.001205809
RFX5	lightyellow	0.021142556	0.648590638	0.014026755	0.76240564
RFXAP	lightyellow	0.032077675	0.489235908	0.010007535	0.829229021
RGMB	lightyellow	0.095283046	0.039566076	0.070990584	0.125536893
RHEB	lightyellow	-0.053334025	0.250025251	-0.095079771	0.039991215
RHOA	lightyellow	0.137332149	0.002940199	0.141245432	0.002216983
RHOT1	lightyellow	0.084647893	0.067604284	0.058069156	0.210358895
RIOK1	lightyellow	-0.173718503	0.000161457	-0.192905882	2.70E-05
RIOK3	lightyellow	-0.078874953	0.08864529	-0.100317776	0.030193241
RMI1	lightyellow	0.216685726	2.29E-06	0.197020201	1.80E-05
RNF138	lightyellow	-0.052575864	0.256830832	-0.062526034	0.177369734
RNF145	lightyellow	0.206789376	6.62E-06	0.191535688	3.09E-05
RNF149	lightyellow	0.011222486	0.808874963	-0.013170202	0.776517641
RNF185	lightyellow	-0.009569701	0.836592909	-0.03269261	0.480941976
RNF219	lightyellow	-0.059155224	0.201938928	-0.082442873	0.075098577
RNFT1	lightyellow	0.170912793	0.000206526	0.157383217	0.000641907
RNGTT	lightyellow	-0.041313501	0.373047198	-0.067052307	0.147964744
ROGDI	lightyellow	0.122762008	0.007910829	0.166377617	0.000305002
RP11-347	lightyellow	0.053440167	0.249082594	0.07797394	0.09235989
RP11-571	lightyellow	0.079705695	0.085327645	0.05771463	0.213161497
RPAP3	lightyellow	-0.105905125	0.022083068	-0.125799594	0.006487081
RPE	lightyellow	-0.118212447	0.010566524	-0.135896586	0.0032553
RPL7L1	lightyellow	-0.030100739	0.516411907	-0.052237878	0.259905682
RPRD1A	lightyellow	0.039094737	0.399282952	-0.010251349	0.825134769
RPS6KB1	lightyellow	-0.049740787	0.283409835	-0.08032955	0.082902605
RRAGC	lightyellow	-0.169535344	0.000232733	-0.16867417	0.000250666
RRAS	lightyellow	-0.28652744	2.83E-10	-0.257221813	1.71E-08
RRAS2	lightyellow	-0.107861451	0.019728883	-0.124546482	0.007043958

RRM2B	lightyellow	0.089059908	0.054446619	0.065445269	0.157947579
RRN3	lightyellow	0.019241828	0.678329721	0.007164459	0.877284636
RRP1B	lightyellow	-0.070487472	0.128245451	-0.109702179	0.017716418
RSU1	lightyellow	0.09863215	0.033093683	0.081935289	0.07691616
RTCA	lightyellow	0.055981151	0.227252026	0.059922114	0.196142777
RTF1	lightyellow	0.204078598	8.78E-06	0.177171455	0.000118631
RTN3	lightyellow	0.001246123	0.978573968	-0.01327453	0.774794755
RWDD2A	lightyellow	-0.016529167	0.721641829	-0.036841676	0.427025829
RWDD3	lightyellow	-0.109288058	0.018152834	-0.136246911	0.003175697
SAR1A	lightyellow	0.039762599	0.39127177	0.024564998	0.596450787
SAV1	lightyellow	-0.049852002	0.282333408	-0.065758239	0.155964575
SBDS	lightyellow	-0.176341612	0.00012782	-0.189057878	3.93E-05
SC5D	lightyellow	-0.019037471	0.681558119	-0.066318306	0.152463027
SCARB2	lightyellow	0.035671125	0.441870503	0.009264358	0.841736941
SCFD1	lightyellow	0.043494193	0.348325419	0.037819943	0.414844923
SCO1	lightyellow	0.200825666	1.23E-05	0.197593468	1.70E-05
SCYL2	lightyellow	0.102917896	0.026146915	0.090556969	0.050497209
SDCBP	lightyellow	-0.031697602	0.494400269	-0.051753542	0.26435608
SEC22B	lightyellow	0.006668606	0.885717491	-0.017897552	0.699671657
SEC22C	lightyellow	0.113202013	0.014379825	0.096066733	0.037962643
SEC23IP	lightyellow	0.107353377	0.020318268	0.078056802	0.092013154
SEC62	lightyellow	-0.212754174	3.51E-06	-0.214843193	2.80E-06
SEC63	lightyellow	-0.055558485	0.230785801	-0.0821344	0.076198958
SEH1L	lightyellow	-0.023289236	0.615664744	-0.062082537	0.180469225
SELO	lightyellow	0.216271127	2.39E-06	0.218745754	1.82E-06
SELT	lightyellow	-0.010976144	0.812992005	-0.019951708	0.66716118
SEPT7	lightyellow	-0.097539997	0.035097202	-0.119995608	0.009443634
SERBP1	lightyellow	0.018311927	0.693066772	-0.011982652	0.796204239
SERF1B	lightyellow	-0.104099354	0.024468473	-0.122589274	0.007999599
SERP1	lightyellow	-0.022652439	0.625355709	-0.009627501	0.835619952
SET	lightyellow	0.071633483	0.122140688	0.042127696	0.363692958
SETD3	lightyellow	-0.07781108	0.093044422	-0.075271141	0.104254395
SETD9	lightyellow	0.183847022	6.43E-05	0.189035911	3.93E-05
SH3GLB2	lightyellow	0.175719859	0.000135138	0.175456242	0.000138359
SHQ1	lightyellow	0.148181425	0.001320936	0.129763425	0.004976052
SIX4	lightyellow	0.101320578	0.028573224	0.095579864	0.038952166
SKAP2	lightyellow	-0.020873988	0.652760319	-0.023231025	0.616547871
SKIV2L2	lightyellow	0.03863575	0.404845242	0.002930248	0.949644168
SLC17A5	lightyellow	0.138001663	0.002802953	0.126875752	0.006040704
SLC25A1	lightyellow	0.050238841	0.278610841	0.038384735	0.407906627
SLC25A1	lightyellow	0.163681814	0.000382756	0.13370728	0.003795171
SLC25A2	lightyellow	-0.019567847	0.673191538	-0.042764636	0.356478092
SLC25A4	lightyellow	0.087616212	0.058495259	0.061520703	0.184453088
SLC30A9	lightyellow	0.102990809	0.026040531	0.086599495	0.061493572
SLC33A1	lightyellow	-0.014244539	0.758829898	-0.034816816	0.452888035

SLC35A5 lightyellow	0.022245934	0.631576086	0.004295022	0.926246847
SLC35B3 lightyellow	-0.025732421	0.579110893	-0.031341906	0.499259603
SLC35G1 lightyellow	0.2506708	4.01E-08	0.190089333	3.56E-05
SLC39A9 lightyellow	0.270537469	2.82E-09	0.25842853	1.46E-08
SLC4A1A lightyellow	-0.158089734	0.000606306	-0.17711361	0.000119251
SLC9A3R lightyellow	0.161439499	0.000461108	0.210841209	4.31E-06
SLMO2 lightyellow	-0.054016236	0.244009646	-0.070535971	0.127982395
SMAP1 lightyellow	-0.141553772	0.002167559	-0.148327976	0.001306248
SMARCA lightyellow	-0.082076833	0.076405755	-0.113688361	0.013962886
SMARCA lightyellow	0.030273549	0.514005639	0.008871534	0.848364633
SMARCE lightyellow	0.13507782	0.003448457	0.104231262	0.024286984
SMEK1 lightyellow	-0.016607952	0.720370456	-0.043552039	0.347684093
SMEK2 lightyellow	-0.053513085	0.24843643	-0.07266343	0.116849575
SMIM1 lightyellow	-0.024222362	0.601584381	-0.042135658	0.363602216
SMNDC1 lightyellow	-0.048282849	0.297777045	-0.077006579	0.09648565
SMU1 lightyellow	-0.015300881	0.741560148	-0.02116105	0.648303894
SNAPC3 lightyellow	0.152816885	0.000922912	0.142562397	0.002012836
SNRNP48 lightyellow	0.002817994	0.951570834	-0.009850557	0.831867528
SNX14 lightyellow	0.162133404	0.000435396	0.153253432	0.000891804
SNX2 lightyellow	-0.133191426	0.003933645	-0.150438268	0.00111074
SNX24 lightyellow	-0.103985007	0.024626748	-0.106449788	0.021404348
SNX25 lightyellow	0.100145132	0.030479942	0.052007852	0.262012822
SNX3 lightyellow	-0.008478595	0.855004979	-0.0054914	0.905787949
SNX4 lightyellow	-0.053174667	0.251445197	-0.066489124	0.151407023
SNX5 lightyellow	-0.098588559	0.033171738	-0.120435947	0.009183226
SNX6 lightyellow	-0.04127887	0.373448338	-0.06435041	0.165034584
SNX7 lightyellow	0.074611158	0.107335696	0.066387536	0.152034373
SOCS4 lightyellow	0.022404696	0.62914357	0.005261044	0.909722774
SORT1 lightyellow	0.137831811	0.002837208	0.138530808	0.002698636
SOX4 lightyellow	0.171725182	0.000192392	0.162084607	0.00043716
SPATA5I lightyellow	0.258660622	1.42E-08	0.24062931	1.41E-07
SPATS2 lightyellow	0.319374263	1.56E-12	0.295501171	7.28E-11
SPG21 lightyellow	0.024854131	0.592134345	0.015126749	0.744398326
SPIN4 lightyellow	0.079989742	0.084216506	0.075663173	0.102457511
SPOP lightyellow	-0.039403288	0.395569645	-0.058375656	0.207957443
SPPL3 lightyellow	-0.113816834	0.01385454	-0.12463009	0.007005512
SPTLC2 lightyellow	0.004535008	0.922138581	-0.014358935	0.756953711
SPTSSA lightyellow	0.062690578	0.176229889	0.058492759	0.207045191
SPTY2D1 lightyellow	0.0294455	0.525588242	0.008186712	0.859944213
SRBD1 lightyellow	0.070834835	0.126370591	0.054641817	0.238583098
SRFBP1 lightyellow	0.061342603	0.185729411	0.043060439	0.353158202
SRI lightyellow	-0.013534158	0.770512054	-0.011479705	0.804581769
SRP54 lightyellow	0.098174187	0.033921598	0.080271767	0.083124853
SRP72 lightyellow	0.09418473	0.041909386	0.072334417	0.118519935
SRPK1 lightyellow	0.017444703	0.706915762	-0.018573778	0.688904949

SRPK2	lightyellow	0.162398611	0.000425927	0.135316235	0.003391166
SRRM1	lightyellow	0.041030158	0.376337038	0.011923999	0.797180035
SRSF4	lightyellow	0.020354662	0.660853851	0.003753555	0.935523149
SSR1	lightyellow	0.094976619	0.040208427	0.088457877	0.056105678
SSR3	lightyellow	0.00847851	0.855006409	-0.007027167	0.879618173
ST7L	lightyellow	-0.116818009	0.011525522	-0.122928643	0.007826028
STAM	lightyellow	-0.025306501	0.585409774	-0.049119589	0.289473165
STARD3M	lightyellow	-0.121953877	0.008333836	-0.133693018	0.00379894
STARD4	lightyellow	-0.004640533	0.92033277	-0.002236718	0.961551745
STAU1	lightyellow	-0.10797934	0.019594275	-0.1140935	0.013623726
STK17A	lightyellow	0.010238621	0.825348387	0.033304833	0.472761053
STK38L	lightyellow	-0.083840521	0.070273849	-0.100927429	0.029199235
STRADB	lightyellow	-0.007488169	0.871786806	-0.023844878	0.607262967
STRAP	lightyellow	-0.004920176	0.915549342	-0.021374993	0.644990727
STRBP	lightyellow	0.221313316	1.37E-06	0.210368764	4.53E-06
STT3B	lightyellow	0.080714278	0.081435053	0.047239302	0.308353533
STX3	lightyellow	0.056945561	0.21933328	0.051790981	0.264010209
STXBP3	lightyellow	-0.136025563	0.003225785	-0.165111007	0.00033949
STYX	lightyellow	0.040682553	0.380397301	0.031643426	0.495138766
SUCLA2	lightyellow	0.122389116	0.008103574	0.100832599	0.029351982
SUDS3	lightyellow	0.080229927	0.083286079	0.054424198	0.240461106
SUGP2	lightyellow	0.010004458	0.829280723	-0.01523086	0.742701004
SUGT1	lightyellow	0.057388131	0.215766214	0.044597913	0.336218045
SUPT4H1	lightyellow	-0.079701148	0.085345529	-0.078071077	0.091953528
SUZ12	lightyellow	0.080295685	0.0830328	0.040956348	0.37719695
SYNCRIF	lightyellow	0.026697652	0.564954847	-0.001443574	0.975179969
SYPL1	lightyellow	0.023505804	0.612383991	0.008892228	0.848015227
TAF13	lightyellow	0.119647945	0.009653851	0.127719879	0.005710087
TAF1A	lightyellow	-0.117476487	0.011063468	-0.135895693	0.003255505
TAF1D	lightyellow	-0.094000538	0.042313612	-0.129756175	0.004978498
TAF3	lightyellow	-0.081709385	0.077736502	-0.082803619	0.073828167
TAF7	lightyellow	0.066105995	0.153783313	0.033859036	0.465421761
TANGO2	lightyellow	0.023405379	0.613904353	0.050267612	0.278335316
TAX1BP1	lightyellow	-0.082968062	0.073254904	-0.073148148	0.11442236
TBC1D17	lightyellow	-0.079632246	0.085616882	-0.075890507	0.101426827
TBK1	lightyellow	0.00860825	0.852812763	-0.019786706	0.669750726
TBP	lightyellow	-0.180052248	9.13E-05	-0.19426317	2.37E-05
TBPL1	lightyellow	-0.145689111	0.001595164	-0.158109602	0.000605331
TCEAL8	lightyellow	-0.114357328	0.013406784	-0.11987293	0.009517342
TCEB3	lightyellow	0.006336566	0.891371688	-0.011695646	0.800982074
TCIRG1	lightyellow	0.111217888	0.01619631	0.128929328	0.005264715
TCP1	lightyellow	0.011226952	0.80880038	0.02207563	0.634189873
TCTN3	lightyellow	0.284217927	3.98E-10	0.254089164	2.58E-08
TDG	lightyellow	0.171412399	0.000197723	0.163132901	0.000400699
TEFM	lightyellow	0.017077615	0.712807484	-0.001482617	0.974508919

TERF1	lightyellow	-0.133878484	0.0037502	-0.183744942	6.49E-05
TERF2	lightyellow	0.144727849	0.001714221	0.133349059	0.003890853
TES	lightyellow	-0.010645009	0.818534266	0.007971529	0.863589058
TEX10	lightyellow	-0.051964879	0.262407781	-0.086560888	0.061609879
TFAM	lightyellow	-0.071030864	0.125321976	-0.106882762	0.020877797
TFCP2	lightyellow	-0.064526279	0.163880373	-0.062637614	0.176596192
TGDS	lightyellow	-0.046464771	0.316361732	-0.072790909	0.116207354
THAP1	lightyellow	-0.073002619	0.115146901	-0.113744213	0.013915693
THAP10	lightyellow	-0.056403246	0.223761561	-0.069696119	0.132597139
THAP5	lightyellow	-0.017271348	0.709695931	-0.019169539	0.679471071
THNSL1	lightyellow	-0.13150175	0.00441983	-0.156634528	0.000681741
THUMPC	lightyellow	0.170371098	0.000216484	0.168428995	0.000256002
TIAL1	lightyellow	0.025995209	0.575240441	-0.002682769	0.953892122
TIFA	lightyellow	0.251762573	3.49E-08	0.220275987	1.54E-06
TIGD2	lightyellow	0.203518625	9.30E-06	0.197919981	1.65E-05
TIMM10	lightyellow	0.04154754	0.370343245	0.035699698	0.441504669
TIMM21	lightyellow	0.020921717	0.652018504	0.00845592	0.85538848
TLK1	lightyellow	-0.03660306	0.430028172	-0.069539704	0.133470609
TLK2	lightyellow	-0.122298	0.008151304	-0.140587065	0.002325976
TM2D1	lightyellow	-0.159495567	0.000540851	-0.190034974	3.57E-05
TM2D3	lightyellow	0.138441263	0.002716037	0.122388004	0.008104155
TM7SF3	lightyellow	0.206030937	7.17E-06	0.178003701	0.000110042
TM9SF2	lightyellow	0.010975269	0.813006634	-0.0060078	0.896975564
TM9SF3	lightyellow	0.149342948	0.001208571	0.11724697	0.011222624
TMED2	lightyellow	0.172964382	0.000172567	0.160364724	0.000503733
TMED5	lightyellow	0.079572577	0.08585243	0.063114226	0.173320204
TMED7-1	lightyellow	0.086757324	0.061019983	0.047429747	0.3064051
TMEM12	lightyellow	0.069031342	0.136340137	0.02574452	0.578932419
TMEM12	lightyellow	0.019023423	0.681780263	0.007504308	0.871512853
TMEM12	lightyellow	0.014650635	0.75217606	-0.010535643	0.820366741
TMEM13	lightyellow	0.092340582	0.046107064	0.076639181	0.098090581
TMEM14	lightyellow	-0.036183424	0.435337699	-0.056734814	0.22104663
TMEM16	lightyellow	0.079133579	0.087601516	0.058664761	0.20571051
TMEM17	lightyellow	0.207134552	6.38E-06	0.238785271	1.77E-07
TMEM18	lightyellow	0.006085314	0.89565385	-0.016619544	0.720183454
TMEM18	lightyellow	0.022046953	0.634630443	0.006457024	0.889319785
TMEM19	lightyellow	-0.096680653	0.03674535	-0.093241074	0.044015219
TMEM21	lightyellow	0.190339952	3.47E-05	0.149395617	0.001203691
TMEM24	lightyellow	-0.073029934	0.115010636	-0.060798485	0.189669037
TMEM25	lightyellow	0.060902382	0.188912075	0.075443532	0.10346119
TMEM26	lightyellow	-0.056886736	0.219810557	-0.067158581	0.147321912
TMEM33	lightyellow	0.153094724	0.000903	0.148855771	0.001254584
TMEM38	lightyellow	-0.101242113	0.028697236	-0.109080845	0.018374703
TMEM5	lightyellow	0.007886807	0.865024904	-0.031621209	0.495441778
TMEM50	lightyellow	-0.038947115	0.401066913	-0.050836081	0.272929205



TMEM57 lightyellow	0.086406455	0.062076941	0.07401076	0.110200858
TMEM69 lightyellow	-0.065600807	0.15695971	-0.083109942	0.072763218
TMLHE lightyellow	0.25322303	2.89E-08	0.238690368	1.79E-07
TMTC3 lightyellow	0.123930452	0.0073331	0.096922811	0.036274392
TMTC4 lightyellow	0.049008366	0.290567897	-0.00668486	0.885440838
TMX1 lightyellow	0.090301224	0.051154429	0.062081121	0.180479188
TNPO1 lightyellow	0.09990515	0.030882334	0.073834247	0.111054556
TOMM70lightyellow	-0.185235208	5.65E-05	-0.204499992	8.40E-06
TOP1 lightyellow	0.099168142	0.032146658	0.073411331	0.113121143
TOP2B lightyellow	0.00116374	0.979990157	-0.021320699	0.645830884
TPM4 lightyellow	-0.182590039	7.23E-05	-0.188667189	4.08E-05
TRAM1 lightyellow	-0.123803531	0.007393975	-0.143425407	0.001888544
TRAPPC1lightyellow	0.120550708	0.009116417	0.111905973	0.015544793
TRAPPC1lightyellow	0.168164785	0.000261872	0.130388803	0.004769066
TRAPPC2lightyellow	0.107801518	0.019797625	0.116277224	0.011917672
TRAPPC6lightyellow	0.018627835	0.688046935	-0.004587106	0.921247003
TRIM24 lightyellow	0.129467942	0.005076639	0.091133664	0.049041055
TRIP4 lightyellow	0.171803755	0.000191074	0.155213118	0.000763738
TRMT10/lightyellow	0.266478242	4.94E-09	0.225161621	8.83E-07
TRMT1L lightyellow	-6.32E-05	0.998914014	-0.013830544	0.765631531
TRMT2B lightyellow	0.135533768	0.003339647	0.140046152	0.00241916
TRMT6 lightyellow	-0.103023018	0.025993656	-0.124670213	0.006987129
TRUB1 lightyellow	0.033036583	0.476336155	0.002966374	0.949024181
TSG101 lightyellow	0.007826199	0.866052335	-0.001853468	0.968135796
TSN lightyellow	-0.107723445	0.019887485	-0.13856555	0.002691913
TSPAN31lightyellow	-0.216045463	2.45E-06	-0.215891814	2.49E-06
TSPAN6 lightyellow	-0.070007085	0.130873719	-0.074949041	0.105749336
TTC19 lightyellow	0.359057601	1.17E-15	0.342418507	2.72E-14
TTC27 lightyellow	-0.131581828	0.004395616	-0.145201086	0.001654626
TTC32 lightyellow	-0.169841259	0.000226657	-0.174177171	0.000155032
TTF1 lightyellow	-0.064428353	0.164522301	-0.089548887	0.053129315
TUBD1 lightyellow	-0.040837232	0.378587245	-0.060760287	0.189947892
TUBGCP·lightyellow	0.240202412	1.49E-07	0.208025597	5.81E-06
TVP23C·lightyellow	-0.002294943	0.960551684	-0.015926126	0.731398419
TWISTNlightyellow	-0.037200836	0.422529792	-0.038994374	0.400495285
TXLNG lightyellow	0.00716142	0.877336279	-0.03162695	0.495363475
TXNDC1lightyellow	-0.027849402	0.548283503	-0.056735258	0.221043005
TXNRD1 lightyellow	0.048465407	0.295951923	0.056780185	0.220676963
TYW1 lightyellow	-0.057498457	0.214883521	-0.082604804	0.074526134
TYW3 lightyellow	0.029053563	0.531116605	0.001486708	0.9744386
UBA5 lightyellow	0.047622164	0.304444766	0.034849264	0.452466768
UBAP1 lightyellow	0.042942871	0.354475358	0.041191029	0.374467009
UBE2A lightyellow	0.092957668	0.044664784	0.093727552	0.04291875
UBE2D1 lightyellow	0.005167293	0.911324827	-0.011488365	0.804437331
UBE2D3 lightyellow	0.032013162	0.490110455	0.011205744	0.809154604

UBE2E1	lightyellow	-0.063506002	0.170661413	-0.090835885	0.049788497
UBE2E3	lightyellow	0.073603041	0.112180635	0.075488589	0.10325466
UBE2G1	lightyellow	0.127638972	0.005741055	0.104386192	0.024075305
UBE2H	lightyellow	0.02742712	0.554367751	0.024499965	0.597423625
UBE2K	lightyellow	0.22267111	1.17E-06	0.219711411	1.64E-06
UBE2N	lightyellow	0.140744271	0.002299515	0.117077863	0.011341182
UBE2Q2	lightyellow	0.060479274	0.192008629	0.034263586	0.460104429
UBE2R2	lightyellow	-0.003798238	0.934757301	0.015645307	0.735956719
UBP1	lightyellow	-0.056372746	0.224012488	-0.081220785	0.079535093
UBR7	lightyellow	0.149844122	0.001162863	0.148879545	0.001252301
UBTD2	lightyellow	-0.050302781	0.277998765	-0.066332106	0.152377506
UBXN2A	lightyellow	-0.033429048	0.471110575	-0.045576486	0.325712069
UFSP2	lightyellow	0.047349864	0.307221385	0.022917308	0.621316879
UNC50	lightyellow	-0.110498753	0.016902669	-0.129195274	0.00517108
UPF2	lightyellow	-0.069207429	0.135340864	-0.107130309	0.020581833
UPRT	lightyellow	0.073213887	0.11409624	0.072365975	0.118358912
USP1	lightyellow	-0.074117072	0.109689185	-0.108620769	0.018875797
USP14	lightyellow	-0.027981096	0.546392814	-0.044711926	0.334982937
USP16	lightyellow	-0.051417091	0.267478267	-0.062139608	0.180068138
USP28	lightyellow	-0.041110543	0.375401892	-0.075874729	0.101498095
USP38	lightyellow	-0.015943814	0.731111617	-0.023810804	0.607776735
USP48	lightyellow	0.015471265	0.738786466	-0.015820447	0.733112723
USP7	lightyellow	0.203235711	9.58E-06	0.198411691	1.57E-05
UTP15	lightyellow	0.150897609	0.001071929	0.122426111	0.008084266
UTP18	lightyellow	-0.000669457	0.988488265	-0.032843863	0.478913723
UTP3	lightyellow	-0.041467133	0.37127085	-0.054873532	0.236594821
UTP6	lightyellow	0.033221313	0.473872587	0.008871458	0.848365919
UXS1	lightyellow	-0.024613106	0.595731585	-0.049983627	0.281063023
VAMP7	lightyellow	0.01533758	0.740962452	0.008563943	0.853561788
VAPB	lightyellow	-0.086260686	0.062520472	-0.104479872	0.023948086
VASH2	lightyellow	-0.014511813	0.7544486	-0.034385467	0.45850911
VDAC2	lightyellow	-0.005259525	0.909748729	-0.018473712	0.690494272
VEZT	lightyellow	0.077981925	0.092326428	0.06356043	0.17029446
VIPAS39	lightyellow	-0.014725942	0.750944153	-0.028951423	0.532562137
VKORC1	lightyellow	-0.074519537	0.107769079	-0.089104849	0.054324427
VMA21	lightyellow	-0.063953164	0.167664096	-0.074315277	0.108740234
VPS26A	lightyellow	0.029382933	0.526468791	0.001709383	0.970611705
VPS35	lightyellow	0.153312196	0.000887691	0.145437813	0.001625533
VPS4B	lightyellow	0.040938948	0.377399846	0.033837345	0.465707817
VPS9D1	lightyellow	0.127519111	0.005787211	0.161143325	0.000472506
VRK2	lightyellow	-0.029432378	0.525772859	-0.060735934	0.190125836
VT A1	lightyellow	-0.067806678	0.143447681	-0.072532006	0.117514575
VTI1A	lightyellow	0.068617137	0.138713079	0.056155268	0.225807521
VTI1B	lightyellow	-0.01590409	0.731755774	-0.014595571	0.753077217
VWA1	lightyellow	-0.042375751	0.360872381	-0.029334742	0.527147535

VWA9	lightyellow	0.184591351	6.00E-05	0.175514385	0.000137642
WAC	lightyellow	-0.015813826	0.733220173	-0.056894301	0.219749138
WAPAL	lightyellow	0.076229513	0.099905155	0.043404148	0.34932522
WARS2	lightyellow	0.104514849	0.023900736	0.05730676	0.216418912
WBP4	lightyellow	0.04256142	0.358770169	0.012347466	0.79014214
WBP5	lightyellow	-0.275802792	1.34E-09	-0.286145881	2.99E-10
WDR12	lightyellow	-0.013023731	0.778938319	-0.04337246	0.349677491
WDR13	lightyellow	-0.077902015	0.092661704	-0.03891393	0.401468591
WDR24	lightyellow	0.126181296	0.006325479	0.161562608	0.000456446
WDR3	lightyellow	-0.096670014	0.036766158	-0.127139673	0.005935533
WDR41	lightyellow	0.131681295	0.004365706	0.140448678	0.002349499
WDR43	lightyellow	-0.205612609	7.49E-06	-0.245037597	8.18E-08
WDSUB1	lightyellow	-0.062146403	0.180020424	-0.080260471	0.083168355
WDYHV1	lightyellow	-0.057081692	0.21823161	-0.096607483	0.036888671
WEE1	lightyellow	0.197792399	1.67E-05	0.153966498	0.000843069
WSB2	lightyellow	0.356953102	1.77E-15	0.356233653	2.03E-15
WTAP	lightyellow	-0.13356432	0.003833098	-0.154135643	0.000831875
XAB2	lightyellow	0.094645216	0.040913036	0.110167086	0.017237427
XPNPEP1	lightyellow	0.270378735	2.88E-09	0.261202852	1.01E-08
XPOT	lightyellow	0.012336967	0.790316422	-0.024454726	0.598100778
XRCC4	lightyellow	0.028230394	0.542822547	0.007561486	0.870542446
XRCC5	lightyellow	0.028422655	0.540077047	1.67E-05	0.999712676
YEATS4	lightyellow	0.114769148	0.01307423	0.082827953	0.073743108
YES1	lightyellow	-0.008379796	0.856676232	-0.033162171	0.474660546
YIPF4	lightyellow	-0.271756674	2.38E-09	-0.281687622	5.76E-10
YIPF5	lightyellow	-0.05738314	0.215806204	-0.066177992	0.153334621
YIPF6	lightyellow	-0.020327825	0.661273183	-0.035395431	0.445409153
YME1L1	lightyellow	0.03837172	0.408065733	0.001545785	0.973423246
YPEL3	lightyellow	-0.260022115	1.18E-08	-0.233909056	3.18E-07
YTHDF2	lightyellow	0.089969792	0.052016757	0.086404803	0.062081951
YWHAB	lightyellow	-0.130902577	0.004604866	-0.147884119	0.001351203
ZADH2	lightyellow	0.224794387	9.21E-07	0.221108399	1.40E-06
ZBTB2	lightyellow	-0.154378895	0.000816019	-0.17149523	0.000196298
ZC3H15	lightyellow	-0.076495545	0.098723788	-0.096492415	0.037115018
ZDHHC2	lightyellow	0.184830215	5.86E-05	0.163081165	0.00040243
ZDHHC6	lightyellow	0.20328552	9.53E-06	0.169703489	0.000229375
ZFP91	lightyellow	0.065420677	0.158104199	0.034328253	0.459257603
ZFPM1	lightyellow	0.083743809	0.070599327	0.09245328	0.045840781
ZMPSTE2	lightyellow	-0.117069705	0.011346929	-0.13856101	0.00269279
ZMYM6	lightyellow	-0.21910433	1.75E-06	-0.237984435	1.95E-07
ZMYND1	lightyellow	-0.029483663	0.525051511	-0.07464022	0.107198519
ZNF101	lightyellow	0.103844103	0.024822996	0.122027966	0.008294233
ZNF14	lightyellow	-0.094449238	0.0413346	-0.103691274	0.02503738
ZNF174	lightyellow	0.093864352	0.042614595	0.072357451	0.118402393
ZNF184	lightyellow	-0.015811935	0.733250857	-0.034636954	0.455227158

ZNF277	lightyellow	-0.025414498	0.58380962	-0.036709616	0.428685944
ZNF280B	lightyellow	0.079480948	0.086215163	0.033258695	0.473374906
ZNF322	lightyellow	-0.134167929	0.003675265	-0.166737869	0.000295808
ZNF330	lightyellow	-0.031179046	0.501492924	-0.042761991	0.35650786
ZNF341	lightyellow	0.071636969	0.122122473	0.07983579	0.084817281
ZNF35	lightyellow	0.077451873	0.094568588	0.074326826	0.108685142
ZNF480	lightyellow	0.137380379	0.002930112	0.144087979	0.001797931
ZNF57	lightyellow	0.298558008	4.54E-11	0.287633931	2.40E-10
ZNF664	lightyellow	0.088428499	0.0561877	0.063030699	0.173891027
ZNF670	lightyellow	-0.086152823	0.062850347	-0.095369149	0.03938715
ZNF830	lightyellow	-0.011201163	0.809231132	-0.038035591	0.41218759
ZNF837	lightyellow	0.122529265	0.008030646	0.115626282	0.012405308
ZNHIT3	lightyellow	0.085529345	0.064785328	0.068112159	0.141648791
ZNHIT6	lightyellow	-0.157407585	0.000640647	-0.199886448	1.35E-05
ZNRF2	lightyellow	0.027385011	0.554976258	-0.000862893	0.98516236
ZRANB3	lightyellow	-0.082072015	0.076423082	-0.125387324	0.006665773
ZUFSP	lightyellow	0.044375386	0.338637092	0.031354147	0.499091951
ZW10	lightyellow	0.074824795	0.106330505	0.03609126	0.43650886
ABCC10	magenta	0.07215869	0.119419697	0.068458763	0.139628724
ACACA	magenta	0.234168136	3.08E-07	0.221786593	1.30E-06
ACLY	magenta	0.407424613	4.22E-20	0.404647617	7.96E-20
ACO2	magenta	0.152699508	0.000931445	0.1496798	0.001177671
ACTR1B	magenta	0.05300596	0.252954534	0.053518822	0.248385643
ACVR1B	magenta	-0.161986401	0.000440729	-0.188787338	4.03E-05
ADCY7	magenta	0.064977881	0.16094434	0.065793649	0.155741402
ADD1	magenta	0.011148351	0.810113416	0.006202489	0.893656421
AGAP1	magenta	-0.092600478	0.045494927	-0.111072737	0.016336763
AKAP1	magenta	0.230256916	4.90E-07	0.21179754	3.89E-06
AKT1	magenta	0.183796997	6.46E-05	0.192352592	2.85E-05
AMBRA1	magenta	-0.008940986	0.847192055	-0.027777145	0.549322253
AMFR	magenta	0.102386912	0.026933	0.098659118	0.033045472
ANKFY1	magenta	0.132606063	0.004096305	0.114655465	0.013165297
ANKRD1	magenta	0.138180016	0.002767389	0.147342694	0.001407964
ANKRD5	magenta	0.051954274	0.262505308	0.033188079	0.474315282
AP2A1	magenta	0.043578629	0.34738955	0.053843967	0.245519029
AP2B1	magenta	0.290487103	1.56E-10	0.290998453	1.45E-10
APP	magenta	0.143559268	0.001869907	0.124674313	0.006985253
ARHGAP	magenta	-0.033453358	0.470787937	-0.044752044	0.334549021
ARHGEF	magenta	0.160636932	0.000492604	0.129121096	0.005197045
ARID1A	magenta	-0.038132241	0.410999886	-0.039462594	0.394858304
ARL6IP4	magenta	-0.021845069	0.637735731	-0.0156555	0.735791093
ATF6B	magenta	-0.091834605	0.047318636	-0.120207358	0.009317601
ATG2A	magenta	-0.067433306	0.14567002	-0.060302738	0.193311565
ATN1	magenta	0.002916331	0.94988301	-0.005945641	0.898035661
ATP11A	magenta	0.107954516	0.019622553	0.10000243	0.030718675

ATP2A2	magenta	0.121027598	0.008843401	0.118967614	0.010077282
ATP9A	magenta	-0.00130601	0.977544513	-0.010720271	0.817273785
ATXN10	magenta	0.185861501	5.32E-05	0.144410976	0.001755218
ATXN1L	magenta	-0.048982877	0.290819177	-0.042371186	0.36092417
ATXN2	magenta	0.007134909	0.877786803	0.008824472	0.84915939
ATXN2L	magenta	0.06250679	0.177503403	0.061253632	0.186369439
ATXN7L	magenta	0.044243609	0.340074859	0.02871969	0.535849047
BANP	magenta	0.066511521	0.151268981	0.080130034	0.083672032
BAP1	magenta	0.028162923	0.543787671	0.042881891	0.355159763
BAZ2A	magenta	-0.085499591	0.064878881	-0.109418422	0.018014451
BBS2	magenta	0.175434433	0.000138628	0.135004819	0.003466174
BCKDHA	magenta	-0.010313799	0.824086823	-0.034631039	0.455304192
BCL7C	magenta	-0.022424706	0.628837261	-0.010632207	0.818748722
BCL9L	magenta	-0.027773617	0.549372988	-0.040883832	0.378042967
BECN1	magenta	0.146825427	0.001464232	0.140194285	0.002393308
BRD2	magenta	0.034133688	0.461808083	0.009778219	0.833084035
BRD3	magenta	0.058478808	0.20715372	0.039848606	0.390247209
BRF2	magenta	0.030240488	0.514465541	0.013495544	0.77114858
BRPF1	magenta	-0.030587529	0.509648614	-0.05797766	0.211079631
BRPF3	magenta	-0.125657967	0.006547977	-0.160722459	0.000489155
BTN2A1	magenta	-0.122420532	0.008087175	-0.128716023	0.005340916
C15orf39	magenta	-0.179822268	9.33E-05	-0.15418735	0.000828481
C16orf58	magenta	-0.005193874	0.910870567	-0.024424531	0.598552947
C16orf70	magenta	0.09598499	0.038127275	0.103728667	0.024984779
C9orf64	magenta	0.154792962	0.000789669	0.157056143	0.000659035
CAD	magenta	-0.130392739	0.004767788	-0.133674109	0.003803941
CAMK1	magenta	-0.087262671	0.059523827	-0.124030345	0.007285505
CAMTA2	magenta	0.165606575	0.000325585	0.159608268	0.000535899
CARM1	magenta	0.071225661	0.124286654	0.06768276	0.144182359
CCDC71	magenta	0.052977535	0.253209458	0.048828056	0.292348541
CCDC85C	magenta	-0.143237672	0.001914968	-0.157791293	0.000621114
CDC42B	magenta	-0.055790157	0.228844073	-0.070444778	0.12847737
CENPBD	magenta	-0.064227768	0.16584307	-0.077713409	0.093456893
CEP170B	magenta	0.062503669	0.177525088	0.074548312	0.107632821
CES2	magenta	0.202720835	1.01E-05	0.22080476	1.45E-06
CHD8	magenta	-0.019946197	0.667247612	-0.038353356	0.408290285
CHKB	magenta	0.011929169	0.79709402	0.00602955	0.89660467
CHTF8	magenta	0.150765121	0.001082993	0.140178635	0.002396027
CIC	magenta	-0.166634249	0.000298425	-0.181609554	7.91E-05
CIZ1	magenta	-0.000556375	0.990432687	-0.013875515	0.764891813
CKLF-CM	magenta	0.034731914	0.453991346	0.013969581	0.763345225
CLCN7	magenta	0.056003999	0.227062097	0.071070029	0.125113281
CLDND2	magenta	0.021897472	0.636929085	0.024703397	0.594382856
CMIP	magenta	0.113190099	0.014390174	0.107407118	0.02025521
CMTM1	magenta	0.018126159	0.696024959	0.000963635	0.9834303

CNNM3	magenta	0.053575644	0.247883004	0.038387245	0.40787594
CNOT3	magenta	0.033751382	0.466842453	0.032632868	0.481744387
CREBBP	magenta	-0.053214172	0.251092669	-0.05579732	0.228784222
CRKL	magenta	-0.096678547	0.036749469	-0.129342175	0.005120005
CSNK1D	magenta	-0.073875498	0.110854583	-0.08723419	0.059607338
CSNK1E	magenta	0.186774073	4.88E-05	0.169267883	0.00023817
CTBP1	magenta	0.102322927	0.027029084	0.109697344	0.01772146
CTD-219	magenta	-0.027480065	0.553603115	-0.027774388	0.5493619
CTDSP2	magenta	-0.315463969	3.00E-12	-0.33128126	2.01E-13
CTNNA1	magenta	0.237489074	2.07E-07	0.246118423	7.14E-08
CUL7	magenta	-0.17019292	0.000219856	-0.174354762	0.000152609
CYB561A	magenta	0.075180617	0.104672837	0.082400166	0.075250143
CYB5D1	magenta	0.101875594	0.027709107	0.086119222	0.062953399
CYFIP1	magenta	0.286888015	2.68E-10	0.290944591	1.46E-10
CYP51A1	magenta	0.132345944	0.00417052	0.09748044	0.035209362
DAG1	magenta	0.092774129	0.045089743	0.074342885	0.108608572
DALRD3	magenta	0.080364069	0.082770064	0.079678621	0.085434168
DCTN5	magenta	0.113018894	0.014539623	0.130835417	0.004626036
DDB1	magenta	-0.05772941	0.213044118	-0.068719503	0.138123706
DDX24	magenta	-0.059377438	0.200246776	-0.059518759	0.199176002
DGCR2	magenta	0.172440826	0.000180697	0.150110582	0.001139214
DHX30	magenta	0.093778733	0.042804744	0.089216863	0.054020857
DHX38	magenta	0.1212616	0.008712119	0.134423437	0.003610247
DHX8	magenta	0.233650516	3.28E-07	0.236352952	2.37E-07
DIP2A	magenta	0.104378456	0.024085836	0.095182121	0.039776675
DLG5	magenta	0.128104938	0.005564747	0.092092995	0.046696623
DLST	magenta	0.074330261	0.108668762	0.032512344	0.483365377
DNAAF5	magenta	0.13660517	0.003096124	0.139964411	0.002433535
DNAJA3	magenta	0.091396207	0.048389863	0.096109842	0.037876063
DNASE1	magenta	0.052448487	0.257986686	0.027658235	0.551033767
DNM2	magenta	-0.020083335	0.665098247	-0.012165724	0.793160585
DPF2	magenta	-0.136752963	0.003063829	-0.156991469	0.000662472
DPH1	magenta	0.102370138	0.026958159	0.080712036	0.081443543
DRG2	magenta	0.193213231	2.62E-05	0.191373686	3.14E-05
DYNC1H	magenta	0.07375175	0.111455329	0.079440345	0.086376292
EARS2	magenta	0.144410717	0.001755252	0.157186299	0.000652169
EDC4	magenta	0.162808915	0.000411653	0.162233967	0.000431783
EEF1A1	magenta	0.06788396	0.142990951	0.035211228	0.447782423
EEF1G	magenta	-0.044298469	0.339475827	-0.062826433	0.175292883
EFTUD2	magenta	0.101540837	0.028227568	0.114436244	0.013342486
EGLN2	magenta	-0.160240374	0.000508894	-0.140819252	0.002286991
EIF3C	magenta	-0.026381584	0.569571991	-0.040214934	0.385901547
EIF3L	magenta	0.077084882	0.096146316	0.043500455	0.348255958
EIF4B	magenta	0.021264595	0.646699506	-0.036015585	0.437471829
EIF4ENIF	magenta	-0.121964158	0.008328331	-0.15157492	0.001016977

EIF4H	magenta	-0.016325027	0.724939649	-0.03967891	0.392270274
ELL	magenta	-0.106925265	0.020826719	-0.11180686	0.015637198
ELMSAN	magenta	-0.112750775	0.014776412	-0.124207478	0.007201786
EP300	magenta	0.095152943	0.039837738	0.063235318	0.172495136
EP400	magenta	0.020326867	0.661288156	-0.003391244	0.941735123
ERF	magenta	-0.159630439	0.00053493	-0.182526429	7.27E-05
EXOC7	magenta	-0.073363682	0.113355859	-0.086890774	0.0606219
FAM168E	magenta	-0.152471541	0.000948227	-0.171008068	0.000204819
FAM219E	magenta	0.155075383	0.00077215	0.127957448	0.005620019
FBXL12	magenta	-0.118985249	0.010066101	-0.13363299	0.003814837
FBXL14	magenta	0.011350719	0.806733926	-0.005266931	0.909622197
FBXL18	magenta	-0.015608693	0.736551736	0.012292531	0.791054197
FBXO18	magenta	-0.078322979	0.090906388	-0.108873196	0.01859941
FBXW8	magenta	-0.124296864	0.007159867	-0.146756432	0.001471891
FITM2	magenta	-0.038266003	0.409359462	-0.051833121	0.263621286
FLII	magenta	0.169502815	0.000233388	0.185464127	5.53E-05
FO538757	magenta	-0.13242833	0.004146884	-0.147274208	0.001415298
FOXK1	magenta	-0.185998352	5.25E-05	-0.188089453	4.31E-05
FOXP4	magenta	-0.21785771	2.01E-06	-0.208436661	5.57E-06
FRMD8	magenta	0.085047745	0.066313301	0.096533622	0.037033825
FTO	magenta	0.143389592	0.001893559	0.144945044	0.001686629
GATSL2	magenta	-0.062666592	0.176395705	-0.070196479	0.12983259
GBA2	magenta	0.091381799	0.048425411	0.081796978	0.077417581
GBF1	magenta	0.269309348	3.34E-09	0.270278499	2.92E-09
GCC1	magenta	0.065935483	0.154849922	0.064725198	0.162582205
GCN1L1	magenta	-0.044432962	0.338010129	-0.045600773	0.325454066
GLG1	magenta	0.101112478	0.028903131	0.114017788	0.013686552
GLTSCR1	magenta	0.086794923	0.060907606	0.088798789	0.055161125
GLYR1	magenta	0.068531501	0.13920761	0.054341578	0.241176807
GMPR2	magenta	-0.021835614	0.637881321	-0.027697445	0.550469111
GNA11	magenta	0.206247505	7.01E-06	0.218027974	1.97E-06
GNA12	magenta	-0.026659934	0.565504893	-0.043684133	0.346222408
GNL3L	magenta	0.021934442	0.636360248	0.023936859	0.605877085
GORASP1	magenta	0.073715178	0.111633361	0.074341024	0.108617442
GSE1	magenta	0.127764484	0.005693077	0.105494417	0.022607129
GTF3C1	magenta	0.033006505	0.476737934	0.045794486	0.323400917
HARBI1	magenta	0.15842673	0.000589978	0.180610111	8.68E-05
HAUS7	magenta	-0.047711686	0.303535558	-0.037986987	0.412785627
HCFC1	magenta	0.043210064	0.351486366	0.041299559	0.373208658
HECTD4	magenta	0.051189599	0.269603607	0.029598108	0.523443631
HERC2	magenta	0.034477107	0.457311658	0.013742854	0.767074554
HGS	magenta	-0.012053505	0.795025914	-0.037213828	0.422367675
HIC2	magenta	-0.219178845	1.73E-06	-0.242025304	1.19E-07
HNRNPU	magenta	0.027818896	0.548721938	-0.007188098	0.876882954
HUWE1	magenta	-0.089019139	0.054557668	-0.086686219	0.061232972

IGF2R	magenta	0.019746588	0.670380932	0.01318214	0.776320444
IKBKG	magenta	-0.103817704	0.024859915	-0.13044221	0.004751755
ILK	magenta	-0.03540809	0.445246316	-0.07133873	0.123688766
INO80	magenta	0.081903254	0.077032063	0.06147391	0.184787796
IP6K1	magenta	-0.050120429	0.279746775	-0.052407818	0.25835648
IPPK	magenta	0.060704063	0.19035889	0.045652729	0.324902557
IRF2	magenta	0.046609209	0.314858096	0.062744883	0.175854897
IRF2BPL	magenta	-0.310680429	6.58E-12	-0.314251927	3.66E-12
KAT5	magenta	-0.030384202	0.512467932	-0.037048511	0.424433238
KBTBD4	magenta	0.06116322	0.18702149	0.040068892	0.387630464
KCTD5	magenta	0.093534595	0.04335087	0.100886745	0.029264684
KDM5C	magenta	0.166109865	0.000312008	0.151408291	0.001030249
KHNYN	magenta	-0.107720443	0.019890947	-0.133846194	0.003758644
KIAA019	magenta	0.133809851	0.00376817	0.118868739	0.010140174
KLF13	magenta	-0.121924197	0.008349749	-0.132198415	0.00421315
KLHDC2	magenta	-0.023280467	0.615797737	-0.046043216	0.320777031
KLHL26	magenta	-0.053576387	0.247876434	-0.048200209	0.298605697
KLHL36	magenta	0.070872235	0.126170003	0.096269515	0.037556835
KMT2B	magenta	-0.093874823	0.04259139	-0.112871321	0.014669536
KMT2D	magenta	-0.036021852	0.437392042	-0.054130302	0.243013801
LARS2	magenta	0.187439921	4.58E-05	0.169223887	0.000239076
LDB1	magenta	-0.032385609	0.485073081	-0.064077496	0.166837748
LDOC1L	magenta	0.03220188	0.487554534	0.006568317	0.887424674
LIG3	magenta	0.150988908	0.001064365	0.115649247	0.012387808
LLGL1	magenta	-0.040443465	0.383205531	-0.046147168	0.319684538
LPCAT3	magenta	0.055316542	0.232826041	0.024388133	0.599098198
LRCH4	magenta	-0.081478673	0.078581622	-0.079424926	0.086437543
LRFN3	magenta	0.107477623	0.020172741	0.092480707	0.045776171
LRP3	magenta	-0.040637179	0.380929276	-0.028859331	0.53386715
LRP5	magenta	0.155764113	0.000730925	0.136442535	0.00313202
LRRC59	magenta	0.307322397	1.13E-11	0.319682772	1.48E-12
M6PR	magenta	-0.025957615	0.575793397	-0.047094033	0.309845258
MAEA	magenta	0.077997886	0.092259578	0.082955784	0.073297579
MAFG	magenta	-0.118034287	0.010684973	-0.139324679	0.002548752
MAN2A2	magenta	0.046430571	0.316718443	0.001915494	0.967070057
MAPK7	magenta	0.142296727	0.002052579	0.12326171	0.007658958
MAZ	magenta	0.090091368	0.05169904	0.08104405	0.080193924
MBD1	magenta	-0.035263542	0.447107676	-0.041778584	0.367685836
MBTPS1	magenta	0.17564274	0.000136073	0.164870728	0.00034643
MCM3AF	magenta	0.04728003	0.307936164	0.014945841	0.747350601
MED12	magenta	-0.094806834	0.040568121	-0.103785683	0.024904759
MGAT2	magenta	0.062210401	0.179571529	0.030556334	0.510080642
MGAT5	magenta	-0.042690086	0.357317864	-0.053433702	0.249139933
MINK1	magenta	0.132701269	0.004069442	0.115251952	0.012693633
MLX	magenta	0.372958842	7.37E-17	0.374522526	5.35E-17



MLYCD	magenta	0.044422229	0.338126951	0.08601249	0.063281667
MMGT1	magenta	-0.064496325	0.164076531	-0.081634437	0.078010231
MNT	magenta	0.012654938	0.78504267	0.012189357	0.792767896
MPPE1	magenta	0.123444543	0.007568608	0.120643861	0.009062506
MUL1	magenta	-0.021239488	0.647088379	-0.029693452	0.522106024
MYD88	magenta	0.186817495	4.86E-05	0.196417888	1.91E-05
MYO18A	magenta	-0.09370544	0.042968083	-0.122292939	0.008153962
MYO1D	magenta	0.185843827	5.33E-05	0.180699487	8.61E-05
N4BP1	magenta	0.066470914	0.151519336	0.082365361	0.075373852
NAPA	magenta	0.144613395	0.001728927	0.159146352	0.000556468
NCK2	magenta	-0.031484	0.497315366	-0.038073099	0.411726425
NDST1	magenta	-0.071903164	0.120737552	-0.08357403	0.071173695
NELFA	magenta	0.0475382	0.305299167	0.038708911	0.403955546
NEURL4	magenta	0.098487379	0.03335352	0.083607065	0.071061636
NFE2L1	magenta	-0.031037003	0.503445069	-0.049899465	0.281874876
NFYC	magenta	-0.082980848	0.073210482	-0.093848608	0.042649508
NISCH	magenta	0.127922453	0.005633206	0.117499856	0.011047376
NMT1	magenta	0.087319072	0.059358742	0.07655982	0.098440036
NOA1	magenta	0.181361467	8.10E-05	0.168438622	0.000255791
NOMO2	magenta	-0.045539091	0.326109592	-0.080931848	0.080614477
NOMO3	magenta	-0.090544958	0.050527916	-0.109814563	0.017599576
NOP9	magenta	-0.075154769	0.104792563	-0.073578455	0.112300909
NOTCH1	magenta	0.041326804	0.372893179	0.032562459	0.482691
NSF	magenta	0.362351942	6.17E-16	0.364429395	4.09E-16
NUMA1	magenta	0.034174086	0.461277867	0.010211672	0.825800722
OGDH	magenta	0.117804052	0.010839785	0.122345533	0.008126373
OGG1	magenta	-0.076167299	0.10018304	-0.110132306	0.017272865
OPN3	magenta	-0.084600126	0.067759878	-0.112979892	0.014573859
PAFAH1I	magenta	0.04805344	0.300081163	0.035004362	0.450456202
PCBP1	magenta	0.055197231	0.233836845	0.038564581	0.405711821
PCIF1	magenta	-0.190076422	3.56E-05	-0.194951089	2.21E-05
PELO	magenta	-0.055507417	0.23121539	-0.048011223	0.300506461
PI4KA	magenta	0.058250336	0.208936929	0.044175619	0.340818189
PINK1	magenta	-0.015638539	0.7360667	-0.016682539	0.719167544
PJA1	magenta	-0.161701171	0.00045125	-0.162357631	0.000427377
PLD2	magenta	0.163638465	0.000384146	0.167785953	0.000270508
PLEKHM	magenta	-0.12637827	0.006243507	-0.132746259	0.004056803
PLXNA3	magenta	-0.098446163	0.033427812	-0.095105953	0.039936242
PNPO	magenta	0.195955837	2.00E-05	0.180600635	8.68E-05
POLDIP3	magenta	0.133808358	0.003768562	0.112825946	0.014709686
POLG	magenta	0.128263441	0.005505894	0.098012756	0.034217614
POLR1A	magenta	-0.029348158	0.526958524	-0.036836677	0.427088607
POLR2A	magenta	0.093157717	0.044205443	0.098281406	0.033726198
POLR3E	magenta	0.016018054	0.729908268	0.024310944	0.600255284
POM121	magenta	0.003400419	0.941577773	-0.040308531	0.384795974

POM121C	magenta	0.080844229	0.080944126	0.053887454	0.24513739
PPIL2	magenta	0.188114858	4.30E-05	0.172757866	0.000175732
PPP6R1	magenta	0.080710576	0.081449073	0.086121097	0.062947645
PRDM4	magenta	-0.011563888	0.803177964	-0.04069305	0.380274306
PRMT5	magenta	-0.012417717	0.788976209	-0.034665258	0.454858612
PRPF8	magenta	0.154523797	0.000806706	0.150507882	0.001104776
PRPS1	magenta	-0.082867475	0.073605129	-0.097804558	0.034602633
PRR12	magenta	0.069630939	0.132960586	0.063351828	0.171704059
PRRC2B	magenta	0.022585276	0.62638162	-0.001321343	0.97728096
PSKH1	magenta	0.019380398	0.676143966	0.035577226	0.443073928
PSME3	magenta	0.277413166	1.07E-09	0.263017038	7.90E-09
PTGFRN	magenta	0.204815553	8.13E-06	0.18446651	6.07E-05
PTPN23	magenta	0.101172863	0.028807066	0.10539854	0.022731007
PTPN9	magenta	0.175224998	0.000141243	0.151755063	0.001002806
QRICH1	magenta	0.055685941	0.229716111	0.026223434	0.571888977
RAB19	magenta	0.261173271	1.01E-08	0.260395553	1.12E-08
RAB35	magenta	0.108867817	0.018605262	0.114645863	0.013173015
RAB43	magenta	-0.100446989	0.02998018	-0.102447901	0.026841688
RAB5C	magenta	0.07299276	0.115196114	0.084947208	0.06663598
RAI1	magenta	0.109232913	0.01821165	0.103175391	0.025772883
RANBP1	magenta	0.171087987	0.000203398	0.175248408	0.000140948
RAPGEF1	magenta	0.030866817	0.505789263	0.026184802	0.572455629
RAVER1	magenta	0.054495296	0.239846406	0.042535765	0.359060189
RBM14	magenta	0.095840285	0.038420198	0.091235208	0.048788327
RBM23	magenta	-0.036796679	0.427591068	-0.03477982	0.453368608
RECQL	magenta	-0.060419272	0.19245075	-0.092914697	0.044763975
RETSAT	magenta	0.360539225	8.80E-16	0.351533693	4.97E-15
RFFL	magenta	0.22825594	6.18E-07	0.216439631	2.35E-06
RFX1	magenta	-0.041488044	0.371029476	-0.040918079	0.377643279
RGP1	magenta	-0.095973008	0.038151457	-0.094491219	0.041243987
RNF123	magenta	0.132795769	0.004042935	0.117636286	0.010953841
RNF19B	magenta	-0.03231929	0.485967995	-0.02029584	0.661773098
RNF216	magenta	-0.139546241	0.002508297	-0.124326134	0.007146187
RNF31	magenta	-0.095237327	0.039661361	-0.10790963	0.019673774
RNF40	magenta	-0.00658724	0.887102521	-0.018307985	0.69312949
RNF44	magenta	-0.157871814	0.000617086	-0.166154207	0.000310838
RPAP1	magenta	0.24185188	1.22E-07	0.227536529	6.72E-07
RPTOR	magenta	-0.078651405	0.089555525	-0.083432111	0.071656734
SAP130	magenta	-0.002033056	0.965050261	-0.014226952	0.759118463
SBF1	magenta	0.064355424	0.16500159	0.057359084	0.21599904
SCAP	magenta	0.070077545	0.130485639	0.079663237	0.085494743
SCRN1	magenta	-0.331128938	2.06E-13	-0.330801954	2.18E-13
SEC14L1	magenta	0.180933053	8.42E-05	0.17136083	0.000198615
SEC24C	magenta	0.079024464	0.088040676	0.059905887	0.196264149
SEMA4C	magenta	-0.138357885	0.002732331	-0.169323426	0.000237031

SEPT8	magenta	0.08039909	0.082635773	0.070129406	0.130200566
SEPT9	magenta	0.13765746	0.002872767	0.157127179	0.00065528
SETD1A	magenta	-0.097791357	0.034627171	-0.09366468	0.043059148
SETD1B	magenta	0.050974971	0.271619324	0.047162554	0.309141043
SF1	magenta	0.014951305	0.747261381	-0.019068113	0.681073659
SF3A1	magenta	-0.042389381	0.3607178	-0.071018308	0.125388937
SIX5	magenta	0.002445736	0.957961987	-0.010508961	0.820813953
SLC25A2	magenta	-0.034089376	0.462390046	-0.066050138	0.154132104
SLC35B1	magenta	0.223808612	1.03E-06	0.235139177	2.75E-07
SLC6A6	magenta	0.255779493	2.07E-08	0.268575898	3.70E-09
SMARCC	magenta	-0.032410892	0.484732146	-0.063168524	0.172949878
SMG6	magenta	0.038713125	0.403904334	0.021768517	0.638914874
SMYD4	magenta	0.090793924	0.049894586	0.071837642	0.121077301
SNRNP200	magenta	-0.111893824	0.015556094	-0.11960188	0.009682014
SNX12	magenta	-0.129001243	0.005239246	-0.170199051	0.000219739
SOCS7	magenta	-0.125048299	0.00681601	-0.154628731	0.000800024
SOGA1	magenta	-0.241497067	1.27E-07	-0.262152478	8.88E-09
SP2	magenta	0.062304716	0.178911494	0.049170331	0.288974646
SPEN	magenta	-0.020273899	0.662116114	-0.043388075	0.349503869
SPNS1	magenta	-0.109593266	0.017830297	-0.119313572	0.009859944
SPTAN1	magenta	0.002073337	0.964358257	0.006134969	0.894807321
SRRD	magenta	0.070903048	0.126004928	0.036340887	0.433340972
SRRM2	magenta	0.056406765	0.223732626	0.033761978	0.466702519
STRIP1	magenta	-0.133617511	0.003818947	-0.151848174	0.000995553
STRN4	magenta	0.174660984	0.000148515	0.173091166	0.00017065
SUN2	magenta	0.076658536	0.098005504	0.05755878	0.214401983
SUPT16H	magenta	-0.073445743	0.112951866	-0.109230006	0.018214755
SUSD6	magenta	0.14587303	0.001573268	0.160098742	0.000514833
SZRD1	magenta	0.010472231	0.82142968	0.012399337	0.789281211
TAF6	magenta	0.046670343	0.314223087	0.029060262	0.531021873
TAOK2	magenta	0.174639416	0.0001488	0.179985053	9.19E-05
TBC1D9E	magenta	0.155993718	0.000717641	0.144155532	0.00178892
TFIP11	magenta	-0.009079199	0.844859572	-0.023090969	0.618674972
THTPA	magenta	-0.02112076	0.648928619	-0.041874548	0.366585567
TIAF1	magenta	-0.22679252	7.32E-07	-0.233910498	3.18E-07
TINF2	magenta	-0.021747801	0.639234133	-0.030719683	0.507820531
TM9SF1	magenta	0.076643194	0.098072939	0.056759116	0.220848565
TMEM10	magenta	0.061674665	0.183354977	0.045626924	0.325176398
TMEM12	magenta	-0.064400873	0.164702779	-0.042544283	0.358963881
TMEM55	magenta	0.006428685	0.88980245	-0.016975701	0.714446239
TNFSF13	magenta	0.238700431	1.79E-07	0.213496755	3.24E-06
TNRC18	magenta	0.034029493	0.463177168	0.046248987	0.318616824
TNS3	magenta	0.071716515	0.121707332	0.076412229	0.099092567
TOM1L1	magenta	0.30071402	3.24E-11	0.281473542	5.94E-10
TOX4	magenta	-0.034172432	0.461299566	-0.038750842	0.403446166

TP53I11	magenta	-0.041148799	0.374957353	-0.021243716	0.647022895
TRAF3	magenta	-0.139689759	0.002482405	-0.141411777	0.002190193
TRAF7	magenta	0.142054575	0.002089427	0.158509844	0.000586014
TRAM2	magenta	-0.307882107	1.04E-11	-0.306260524	1.34E-11
TRAP1	magenta	0.18875416	4.04E-05	0.182512476	7.28E-05
TSSK6	magenta	0.102651604	0.026538636	0.114961417	0.012921474
TXNDC5	magenta	0.111625882	0.015807172	0.083119332	0.072730772
TYK2	magenta	0.138381871	0.002727635	0.140118271	0.002406542
UBE3B	magenta	0.078406974	0.090559361	0.05589078	0.228004337
UBN1	magenta	0.048437556	0.296229881	0.058305085	0.208508614
ULK1	magenta	-0.074796003	0.106465539	-0.09136381	0.048469825
UNC119E	magenta	-0.103275094	0.0256293	-0.123932607	0.007332071
UQCRC2	magenta	0.116672299	0.011630043	0.115267089	0.01268186
URB1	magenta	0.042893695	0.355027219	0.010192195	0.826127674
USP19	magenta	-0.014305712	0.757826438	-0.028184097	0.54348469
USP22	magenta	0.040656883	0.380698211	0.017342207	0.70855906
VKORC1	magenta	0.15620318	0.000705718	0.146642216	0.001484652
VPRBP	magenta	0.06442333	0.164555276	0.039678738	0.392272333
VPS37C	magenta	0.166758954	0.000295278	0.149289731	0.001213521
VPS51	magenta	-0.039874189	0.389942768	-0.04238055	0.360817952
VPS52	magenta	-0.043194536	0.351659633	-0.067462799	0.145493524
WASF2	magenta	-0.125501394	0.006615895	-0.121704746	0.008468248
WASH1	magenta	-0.116277833	0.011917224	-0.126496216	0.00619488
WDR1	magenta	0.207319478	6.26E-06	0.224981806	9.02E-07
WDR6	magenta	0.144078419	0.00179921	0.112755137	0.014772532
WDR81	magenta	0.021357338	0.645263872	0.018237513	0.69425118
WDTC1	magenta	-0.076670995	0.097950773	-0.07091818	0.125923928
WWP2	magenta	0.223708225	1.04E-06	0.245655856	7.57E-08
XPC	magenta	0.044712265	0.334979266	0.019288193	0.677598088
XPO6	magenta	0.094840129	0.040497372	0.117033	0.01137282
ZBTB39	magenta	-0.175140795	0.000142307	-0.209798406	4.82E-06
ZC3H4	magenta	0.112001768	0.015455937	0.094784373	0.040615909
ZC3H7B	magenta	0.051346324	0.268138172	0.043887801	0.343976377
ZCCHC14	magenta	0.01340954	0.772566844	-0.002248484	0.961349648
ZDHHC8	magenta	-0.045811469	0.323221323	-0.057705151	0.213236791
ZFAND3	magenta	-0.068149391	0.141430733	-0.05855987	0.206523692
ZFP64	magenta	-0.074510488	0.107811957	-0.09417016	0.041941242
ZNF319	magenta	0.098955306	0.032519902	0.113078635	0.01448732
ZNF384	magenta	-0.057465777	0.21514471	-0.089128383	0.054260531
ZNF496	magenta	0.013172421	0.776480987	-0.017353927	0.708371093
ZNF500	magenta	0.049001295	0.290637591	0.062610331	0.1767851
ZNF592	magenta	0.070042387	0.130679173	0.058353362	0.20813145
ZNF646	magenta	-0.050779243	0.273466492	-0.055250311	0.233386772
ZNF668	magenta	0.152886882	0.000917857	0.147639183	0.001376615
ZNF710	magenta	0.233045772	3.53E-07	0.217959526	1.99E-06

ZNF74	magenta	0.095892808	0.038313656	0.076608276	0.098226549
ZNF740	magenta	-0.16188631	0.000444395	-0.188177004	4.27E-05
ZNF777	magenta	0.028253293	0.54249518	0.011142295	0.810214601
ZSWIM8	magenta	0.178772449	0.000102631	0.151899615	0.000991566
ZZEF1	magenta	0.13733513	0.002939575	0.142005392	0.002096984
ADAM12	mediumpur	-0.034742674	0.453851428	-0.001572143	0.972970235
ADAMTS	mediumpur	-0.197896809	1.65E-05	-0.173914546	0.000158681
ADAMTS	mediumpur	-0.083125268	0.072710266	-0.037775909	0.415388781
AEBP1	mediumpur	-0.269181854	3.40E-09	-0.225287083	8.71E-07
ANGPTL	mediumpur	-0.223351059	1.09E-06	-0.204783381	8.16E-06
ANTXR1	mediumpur	-0.127932723	0.005629333	-0.118390114	0.010449564
BGN	mediumpur	-0.039120495	0.398972171	0.002326271	0.960013631
C3orf80	mediumpur	-0.078977224	0.08823135	-0.053531563	0.248272872
CD248	mediumpur	-0.171703218	0.000192762	-0.141388211	0.00219397
CDH11	mediumpur	-0.078600206	0.089765045	-0.054234558	0.242106096
CHST11	mediumpur	-0.16497067	0.000343527	-0.162146999	0.000434906
COL10A1	mediumpur	0.016177058	0.727333234	0.049354171	0.287173325
COL15A1	mediumpur	0.001301483	0.977622329	0.018848262	0.684552391
COL1A1	mediumpur	-0.017419504	0.707319637	0.026449434	0.568579316
COL1A2	mediumpur	0.03556745	0.443199329	0.061287775	0.186123631
COL3A1	mediumpur	-0.08870638	0.055415846	-0.051070497	0.270720907
COL4A1	mediumpur	-0.041941114	0.365823564	-0.039841637	0.39033016
COL4A2	mediumpur	-0.145143328	0.001661796	-0.138664817	0.002672785
COL5A1	mediumpur	-0.146722958	0.001475621	-0.116373632	0.01184691
COL5A2	mediumpur	0.022988427	0.620234356	0.047911135	0.301516371
COL6A1	mediumpur	-0.211417437	4.05E-06	-0.178656934	0.000103714
COL6A2	mediumpur	-0.203139213	9.67E-06	-0.164457733	0.000358668
COL6A3	mediumpur	-0.184908896	5.82E-05	-0.153928205	0.000845622
COL8A1	mediumpur	0.023637597	0.610391267	0.054755355	0.237607399
DIO2	mediumpur	0.097373633	0.03541127	0.103306225	0.02558461
DKK3	mediumpur	-0.16282717	0.000411029	-0.168619552	0.000251845
ECM1	mediumpur	-0.081377019	0.078956347	-0.057586996	0.214177019
ETV1	mediumpur	0.026169512	0.572679976	0.015960767	0.73083678
F2R	mediumpur	-0.011560571	0.803233262	-0.002053369	0.964701292
FAP	mediumpur	-0.171089918	0.000203363	-0.146164512	0.001539131
FBN1	mediumpur	-0.132122975	0.004235101	-0.113023907	0.014535228
FN1	mediumpur	-0.091841797	0.04730123	-0.067343192	0.146210299
FNDC1	mediumpur	-0.002638456	0.95465289	0.035372626	0.445702586
GJA1	mediumpur	0.003762982	0.935361564	0.006491045	0.888740418
INHBA	mediumpur	0.025381104	0.584304194	0.041933811	0.365907115
ISLR	mediumpur	-0.156092161	0.000712015	-0.113510233	0.014114341
LAMB1	mediumpur	0.133245173	0.003919007	0.119064551	0.010015959
LOXL2	mediumpur	0.14674734	0.001472903	0.163552931	0.000386901
LUM	mediumpur	-0.095093652	0.039962061	-0.057545949	0.214504347
MMP11	mediumpur	0.0019096	0.967171332	0.045835112	0.322971396

MMP14	mediumpur	0.025178786	0.587304699	0.024462133	0.597989882
MMP2	mediumpur	0.031589082	0.495880143	0.03306006	0.476022675
MOXD1	mediumpur	0.109372154	0.018063458	0.090319452	0.051107351
MXRA8	mediumpur	-0.29070765	1.51E-10	-0.248156624	5.52E-08
NID1	mediumpur	-0.030867361	0.50578176	-0.020984075	0.651049835
NID2	mediumpur	-0.107728632	0.019881504	-0.096524439	0.037051906
NTM	mediumpur	-0.007662449	0.868829395	0.01957537	0.673073153
OLFML2l	mediumpur	0.02744503	0.554109037	0.064290982	0.165425979
P4HA3	mediumpur	0.004892229	0.91602726	0.014654834	0.752107352
PAMR1	mediumpur	-0.171074868	0.00020363	-0.13541517	0.003367646
PCOLCE	mediumpur	-0.202350703	1.05E-05	-0.173639868	0.000162584
PDGFB	mediumpur	-0.113036486	0.014524204	-0.132269184	0.004192651
PDGFRB	mediumpur	-0.101038807	0.029020704	-0.065858605	0.155332649
PMEPA1	mediumpur	0.036633029	0.429650423	0.028203476	0.543207486
PRDM1	mediumpur	-0.007502451	0.871544372	0.003154055	0.945803781
PXDN	mediumpur	-0.339744845	4.42E-14	-0.341285578	3.34E-14
SPARC	mediumpur	-0.098868523	0.032673149	-0.066982921	0.148385593
SPOCK1	mediumpur	0.007498592	0.87160988	-0.01106647	0.811481816
SPON2	mediumpur	-0.027248025	0.556958056	0.006933417	0.88121225
SRPX2	mediumpur	-0.100774471	0.02944595	-0.058534437	0.206721207
SULF1	mediumpur	0.078671936	0.089471617	0.101580389	0.028165879
SYDE1	mediumpur	-0.207463665	6.17E-06	-0.196410426	1.91E-05
TGFBI	mediumpur	0.085697084	0.064259988	0.092937109	0.04471222
THBS1	mediumpur	-0.08503964	0.066339267	-0.065022557	0.160656055
THBS2	mediumpur	-0.113382565	0.014223779	-0.073922	0.110629493
THY1	mediumpur	-0.178824774	0.000102144	-0.155690384	0.000735239
TNC	mediumpur	0.175843429	0.000133653	0.176266877	0.00012868
VCAN	mediumpur	0.005966387	0.897681827	-0.020624572	0.656642386
WISP1	mediumpur	-0.121336757	0.008670323	-0.110900464	0.016504843
WNT2	mediumpur	-0.064786634	0.162182835	-0.029950269	0.518511817
WNT5A	mediumpur	-0.035175026	0.448249689	-0.036875016	0.426607307
ZNF469	mediumpur	-0.079490277	0.086178177	-0.049496269	0.285786192
ABI3	midnightbl	-0.06112643	0.187287305	-0.006120779	0.89504923
ACP5	midnightbl	-0.142030061	0.002093191	-0.079422578	0.086446876
ADAM8	midnightbl	-0.04837571	0.296847738	-0.003720216	0.936094598
ADAP2	midnightbl	-0.027167139	0.558129854	-0.00175316	0.969859413
ADORA3	midnightbl	-0.134180591	0.003672018	-0.112436308	0.015058444
AIF1	midnightbl	-0.102871124	0.026215354	-0.062447183	0.177917895
ALOX15l	midnightbl	-0.20982888	4.80E-06	-0.204537116	8.37E-06
ALOX5	midnightbl	-0.205649712	7.46E-06	-0.189750831	3.67E-05
ALOX5A	midnightbl	0.000582611	0.989981561	0.044976776	0.332125061
AMICA1	midnightbl	-0.002286837	0.960690909	0.049211148	0.288574049
APOBR	midnightbl	0.075592893	0.102777821	0.12770678	0.00571509
APOC1	midnightbl	-0.072018451	0.120141571	-0.030231945	0.514584426
APOC2	midnightbl	-0.074564087	0.10755818	-0.058840501	0.204353281

APOC4-Amidnightbl	-0.066838168	0.149266509	-0.059527112	0.199112848
APOE midnightbl	-0.236353291	2.37E-07	-0.186626655	4.95E-05
ARHGAPmidnightbl	-0.178629064	0.000103976	-0.156997661	0.000662142
ARRB2 midnightbl	-0.028859399	0.53386618	-0.013562001	0.770053186
ARRDC2 midnightbl	-0.141125656	0.002236458	-0.120989534	0.008864922
AURKC midnightbl	-0.11963147	0.009663915	-0.110109688	0.017295944
BCL2A1 midnightbl	0.054451285	0.240226788	0.100539142	0.029829015
C15orf48 midnightbl	-0.005366935	0.907913726	0.02948675	0.525008105
C19orf35 midnightbl	-0.055194061	0.233863742	-0.024263477	0.60096731
C19orf38 midnightbl	-0.172302622	0.000182902	-0.127116969	0.005944515
C1orf162 midnightbl	-0.157101915	0.000656613	-0.111721715	0.015716966
C1orf54 midnightbl	-0.125616695	0.006565818	-0.11261892	0.014894097
C1QA midnightbl	-0.116749094	0.011574852	-0.070610817	0.127577255
C1QB midnightbl	-0.062883263	0.174902023	-0.015408338	0.739810469
C1QC midnightbl	-0.066006814	0.154403041	-0.020154003	0.663991752
C2 midnightbl	-0.206212756	7.03E-06	-0.184741117	5.91E-05
C3 midnightbl	-0.005081036	0.912799139	0.005230391	0.910246553
C5AR1 midnightbl	-0.021872423	0.637314615	0.006446859	0.889492913
CACNA2 midnightbl	-0.165479425	0.000329101	-0.14621378	0.001533428
CAPG midnightbl	-0.152258214	0.000964184	-0.125514421	0.00661022
CARD11 midnightbl	-0.327170806	4.11E-13	-0.306387566	1.32E-11
CARD16 midnightbl	-0.075044044	0.105306656	-0.027992804	0.54622487
CARD9 midnightbl	-0.161177653	0.000471172	-0.132688283	0.004073096
CASP1 midnightbl	-0.017737961	0.70222151	0.015097015	0.744883306
CCDC88Imidnightbl	0.078573995	0.089872461	0.104840251	0.02346409
CCL1 midnightbl	-0.001339122	0.976975353	0.037514106	0.41863088
CCL18 midnightbl	-0.004359415	0.92514433	0.026082557	0.57395665
CCL2 midnightbl	-0.112751809	0.014775492	-0.109709397	0.017708893
CCL25 midnightbl	-0.163223926	0.00039767	-0.125186309	0.00675449
CCL3 midnightbl	-0.023454788	0.613156124	0.018016922	0.697766616
CCL3L3 midnightbl	-0.027100921	0.559090051	0.013024296	0.778928972
CCL4 midnightbl	-0.018590907	0.68863303	0.038077401	0.411673543
CCL4L1 midnightbl	-0.017516119	0.705771557	0.026304681	0.57069811
CCL7 midnightbl	-0.045691762	0.324488633	-0.032074399	0.489280297
CCL8 midnightbl	-0.09202082	0.046869673	-0.078088305	0.091881604
CD14 midnightbl	-0.085210885	0.065792426	-0.036584169	0.430266391
CD1B midnightbl	0.012493685	0.787715949	0.031370571	0.498867063
CD1C midnightbl	-0.021019893	0.650493705	0.01388496	0.764736474
CD1E midnightbl	-0.052295394	0.25938064	-0.027359276	0.555348298
CD300A midnightbl	-0.053782391	0.246060123	-0.00735685	0.874016369
CD300C midnightbl	-0.067624083	0.144531239	-0.036811186	0.427408784
CD300E midnightbl	-0.139179008	0.002575673	-0.15783783	0.000618783
CD300LBmidnightbl	-0.121357027	0.008659081	-0.10293524	0.026121575
CD300LFmidnightbl	-0.011471804	0.804713564	0.028156117	0.543885071
CD33 midnightbl	-0.11238399	0.015105822	-0.087724381	0.058183513

CD40	midnightbl	-0.314133299	3.73E-12	-0.305854435	1.43E-11
CD68	midnightbl	-0.001289873	0.977821912	0.001613395	0.972261282
CD72	midnightbl	-0.100617344	0.029701247	-0.074078464	0.109874787
CD74	midnightbl	0.037318802	0.42105912	0.071511028	0.122781995
CEACAM	midnightbl	0.059289705	0.200913622	0.093608825	0.043184203
CEACAM	midnightbl	-0.040883089	0.378051639	0.003689607	0.936619293
CFD	midnightbl	-0.015271362	0.742041035	0.020874164	0.652757585
CHIT1	midnightbl	-0.027885385	0.547766591	-0.012869713	0.781486043
CIITA	midnightbl	-0.07281744	0.116074043	-0.041836235	0.367024596
CLEC10A	midnightbl	-0.032510944	0.483384229	-0.004783139	0.917893067
CLEC4E	midnightbl	-0.093441238	0.04356125	-0.072812602	0.116098345
CLLU10	midnightbl	0.108471633	0.019040766	0.129154806	0.005185231
COTL1	midnightbl	0.028749979	0.535418845	0.04623847	0.318727
CSF1	midnightbl	-0.12233218	0.008133369	-0.097688819	0.034818259
CSF1R	midnightbl	-0.088318332	0.056496165	-0.052718555	0.255540287
CSF3R	midnightbl	-0.057575496	0.214268689	-0.026216101	0.571996513
CSTA	midnightbl	-0.04112148	0.37527478	-0.027150706	0.558368061
CTC-479	midnightbl	-0.012412166	0.789068326	0.031609561	0.495600685
CTSB	midnightbl	0.174368657	0.000152421	0.193393357	2.58E-05
CTSD	midnightbl	-0.037529836	0.418435676	-0.000862713	0.98516544
CTSZ	midnightbl	0.084174516	0.069159223	0.115426243	0.012558658
CXCL16	midnightbl	-0.092556683	0.045597597	-0.062742922	0.175868424
CYTH4	midnightbl	-0.066557166	0.15098794	-0.014754017	0.750485052
DOK2	midnightbl	-0.024983349	0.590209884	0.032449906	0.484206301
DOK3	midnightbl	0.089881581	0.052248297	0.11957462	0.009698715
DPEP2	midnightbl	-0.089272154	0.053871533	-0.04264389	0.357838875
EBI3	midnightbl	-0.080775177	0.081204691	-0.055315964	0.232830934
EFHD2	midnightbl	0.009145418	0.843742532	0.056034647	0.226807516
EMR1	midnightbl	-0.163086972	0.000402235	-0.168198129	0.000261124
FAM26F	midnightbl	-0.073800499	0.111218368	-0.018118419	0.696148315
FBP1	midnightbl	0.235270403	2.70E-07	0.27129419	2.54E-09
FCER1A	midnightbl	-0.119322977	0.009854094	-0.108484601	0.019026372
FCER1G	midnightbl	-0.037119788	0.423541942	0.007504399	0.871511312
FCGR1A	midnightbl	-0.041813211	0.367288589	-0.012901779	0.780955422
FCGR1B	midnightbl	-0.06317027	0.17293798	-0.037357798	0.42057363
FCGR2B	midnightbl	-0.0874835	0.058879625	-0.044643413	0.335724789
FCN1	midnightbl	-0.07037245	0.128870999	-0.044681787	0.335309143
FERMT3	midnightbl	-0.031901953	0.491619979	0.025955581	0.575823322
FFAR2	midnightbl	0.095119998	0.039906778	0.108092764	0.01946552
FGD3	midnightbl	0.072072331	0.119863824	0.102862435	0.026228085
FLT3LG	midnightbl	-0.223906538	1.02E-06	-0.204409773	8.48E-06
FOLR2	midnightbl	-0.190599236	3.38E-05	-0.17801506	0.000109929
FPR1	midnightbl	0.007751502	0.867318928	0.026709967	0.564775309
FTL	midnightbl	-0.074281189	0.108902977	-0.045019737	0.331662967
FUT7	midnightbl	-0.010998831	0.81261262	0.037372347	0.420392575



FXVD5	midnightbl	-0.292326756	1.18E-10	-0.234354067	3.02E-07
GAL3ST4	midnightbl	-0.137822409	0.002839116	-0.121790912	0.008421543
GALM	midnightbl	-0.095756263	0.038591155	-0.063573584	0.170205863
GM2A	midnightbl	0.125745287	0.006510371	0.150415076	0.001112734
GNA15	midnightbl	0.149508116	0.001193328	0.181147034	8.26E-05
GPR84	midnightbl	0.039086935	0.39937712	0.067428096	0.145701215
HAMP	midnightbl	-0.041735834	0.368176644	-0.022604393	0.626089531
HAVCR2	midnightbl	-0.049199667	0.288686688	-0.001516982	0.973918267
HCK	midnightbl	-0.114774132	0.01307025	-0.083616618	0.07102926
HK3	midnightbl	-0.017108667	0.712308427	0.012801529	0.782614669
HLA-DM	midnightbl	0.068199756	0.141136162	0.107801494	0.019797653
HLA-DM	midnightbl	0.191922536	2.98E-05	0.197495634	1.72E-05
HLA-DO	midnightbl	-0.20316568	9.65E-06	-0.175278902	0.000140565
HLA-DP	midnightbl	-0.029537983	0.524288035	-0.000810348	0.986065788
HLA-DP	midnightbl	-0.050843359	0.272860459	-0.0084019	0.856302267
HLA-DQ	midnightbl	-0.031566854	0.49618354	0.012597565	0.785993526
HLA-DQ	midnightbl	-0.092721797	0.04521153	-0.044427734	0.338067032
HLA-DQ	midnightbl	0.023927801	0.606013494	0.049328438	0.287425006
HLA-DQ	midnightbl	0.019398937	0.675851746	0.060108821	0.194750225
HLA-DR	midnightbl	-0.002144899	0.963128934	0.026230819	0.571780681
HLA-DR	midnightbl	-0.020206379	0.663172125	0.014300041	0.757919443
HLA-DR	midnightbl	-0.015028676	0.74599833	0.014297264	0.757964986
HMHA1	midnightbl	0.142606249	0.002006345	0.192511101	2.81E-05
HMOX1	midnightbl	-0.011096486	0.81098012	0.019292681	0.677527279
HS3ST2	midnightbl	-0.083590654	0.071117287	-0.052479126	0.257708334
IFI30	midnightbl	-0.0733161	0.113590632	-0.052536306	0.257189408
IGFLR1	midnightbl	0.012392926	0.789387602	0.065791487	0.155755022
IGSF6	midnightbl	0.014020606	0.762506686	0.05979295	0.197110399
IL18	midnightbl	0.118631235	0.010292669	0.120676262	0.00904382
IL27	midnightbl	0.107407491	0.020254774	0.114436652	0.013342155
IL32	midnightbl	-0.048410663	0.296498446	0.007702571	0.868148817
IL4I1	midnightbl	-0.126996445	0.005992403	-0.092340166	0.046108049
INSL3	midnightbl	-0.173496518	0.000164656	-0.160049261	0.000516923
IRF1	midnightbl	-0.082840923	0.073697804	-0.046004496	0.321184578
IRF5	midnightbl	-0.179920142	9.24E-05	-0.154423615	0.000813134
ITGAM	midnightbl	-0.084790447	0.067141682	-0.047059033	0.310205376
ITGAX	midnightbl	-0.065728136	0.156154486	-0.023688768	0.609618327
ITGB2	midnightbl	-0.034987971	0.450668436	0.012620803	0.785608351
JAK3	midnightbl	-0.236431003	2.35E-07	-0.19109751	3.23E-05
KCNAB2	midnightbl	-0.133969836	0.003726401	-0.108662067	0.018830336
KCNK13	midnightbl	0.005927146	0.898351129	-0.013641089	0.76875019
KLHDC7	midnightbl	-0.050410573	0.276968971	-0.011247685	0.808454121
LAIR1	midnightbl	-0.081284614	0.079298236	-0.042223232	0.362605021
LAPTM5	midnightbl	-0.042248239	0.362320581	0.02295321	0.620770304
LAT2	midnightbl	-0.028241611	0.542662166	0.014700796	0.751355428

LGALS2	midnightbl	-0.078375885	0.090687682	-0.0446044	0.336147686
LILRA1	midnightbl	-0.064601108	0.163391124	-0.060977113	0.188368986
LILRA2	midnightbl	-0.041944384	0.365786157	-0.028754385	0.535356284
LILRA4	midnightbl	-0.057025685	0.218684379	-0.036916105	0.426091834
LILRA5	midnightbl	-0.032323205	0.485915139	-0.003705936	0.93633938
LILRA6	midnightbl	-0.051285448	0.268706739	-0.025337448	0.584951033
LILRB1	midnightbl	-0.064065992	0.166914077	-0.035835277	0.439771174
LILRB2	midnightbl	-0.048067095	0.299943683	-0.022507515	0.62757032
LILRB3	midnightbl	-0.031368006	0.498902182	-0.000878238	0.984898522
LILRB4	midnightbl	-0.022737978	0.624050139	0.016911917	0.71547254
LIMD2	midnightbl	-0.084536798	0.067966608	-0.053024331	0.25278988
LPAR5	midnightbl	-0.126814376	0.0060654	-0.082074387	0.076414552
LRRC25	midnightbl	-0.089797991	0.052468502	-0.046322467	0.317847734
LSP1	midnightbl	-0.054858324	0.236724953	0.005343207	0.908319057
LST1	midnightbl	-0.049191162	0.288770151	7.11E-05	0.998776536
LTB	midnightbl	-0.133323766	0.003897691	-0.074747389	0.106693846
LY86	midnightbl	-0.150151084	0.001135659	-0.114692648	0.01313545
MARCO	midnightbl	-0.110628737	0.016773034	-0.096997023	0.036131091
MCEMP1	midnightbl	0.026587657	0.566559627	0.057557183	0.214414727
MILR1	midnightbl	-0.017701984	0.7027968	0.018851389	0.684502868
MMP25	midnightbl	-0.019354704	0.676549059	0.011530682	0.803731618
MMP9	midnightbl	0.087793233	0.057985798	0.141360794	0.002198372
MYO1F	midnightbl	0.009733178	0.833841706	0.064152973	0.166337593
NAGK	midnightbl	-0.061880478	0.181894592	-0.058968603	0.203368048
NCF1	midnightbl	-0.019203997	0.678926938	0.01951241	0.674064182
NCF4	midnightbl	-0.01167938	0.801253077	0.047758464	0.303061185
NEURL3	midnightbl	-0.049446191	0.286274523	-0.031558276	0.496300668
NFAM1	midnightbl	0.075099968	0.105046754	0.102240956	0.027152609
NFKBIE	midnightbl	-0.096917814	0.036284057	-0.075280764	0.104209989
NR1H3	midnightbl	-0.032618441	0.481938266	-0.005652546	0.903036688
OSCAR	midnightbl	-0.069487925	0.133760737	-0.027931402	0.547105872
OSM	midnightbl	0.018280172	0.693572102	0.038964314	0.400858817
P2RY6	midnightbl	-0.113120019	0.014451184	-0.069819048	0.131913768
PARVG	midnightbl	0.281871527	5.61E-10	0.298757211	4.40E-11
PIK3R6	midnightbl	-0.136809875	0.003051475	-0.098048957	0.034151041
PILRA	midnightbl	-0.21548316	2.61E-06	-0.18388221	6.41E-05
PKD2L1	midnightbl	-0.070676191	0.1272242	-0.047670671	0.303951891
PLCB2	midnightbl	-0.102835853	0.026267067	-0.065202512	0.159498769
PLD4	midnightbl	-0.152329263	0.000958842	-0.133666855	0.003805861
PLEKHO	midnightbl	-0.063778697	0.168828822	-0.026165847	0.572733757
PLEKHO	midnightbl	-0.189540629	3.75E-05	-0.161650795	0.000453133
POU2F2	midnightbl	-0.13284565	0.004029007	-0.095766737	0.038569809
PRAM1	midnightbl	-0.048621178	0.294400519	-0.031673439	0.494729574
PSMB10	midnightbl	0.107388708	0.020276792	0.169923973	0.00022504
PSME1	midnightbl	-0.069876942	0.131592874	-0.042530807	0.359116249

PSME2	midnightbl	0.05056896	0.275460529	0.090445545	0.050782676
PTAFR	midnightbl	-0.028199704	0.543261441	0.017221162	0.710501502
PTCRA	midnightbl	-0.046977446	0.311045884	-0.033342491	0.472260347
PTK2B	midnightbl	0.114108982	0.013610911	0.160361573	0.000503863
RAB42	midnightbl	-0.230911759	4.53E-07	-0.222989392	1.13E-06
RARRES	midnightbl	-0.084220836	0.069005792	-0.019005912	0.682057198
RASGRP4	midnightbl	-0.148017628	0.001337533	-0.135591944	0.003325991
RASSF4	midnightbl	0.027475445	0.553669813	0.020428326	0.659703387
RELB	midnightbl	-0.194977668	2.21E-05	-0.183089602	6.90E-05
RENB	midnightbl	-0.166355745	0.000305569	-0.148205885	0.001318474
RETN	midnightbl	-0.116679396	0.011624933	-0.106946075	0.020801751
RGS19	midnightbl	-0.164747165	0.00035005	-0.131734395	0.004349814
RIN3	midnightbl	-0.138659444	0.002673817	-0.097603872	0.034977247
RNASE2	midnightbl	-0.016479814	0.722438649	0.01390172	0.764460858
RNASE6	midnightbl	0.050177313	0.279200693	0.085693742	0.06427042
RNF166	midnightbl	0.071823869	0.121148809	0.096555374	0.036991027
S100B	midnightbl	-0.064974211	0.16096804	-0.044479763	0.337501051
SAMHD1	midnightbl	0.048621668	0.29439565	0.08327826	0.072183408
SDS	midnightbl	-0.080643954	0.081701724	-0.050098536	0.279957133
SIGLEC1	midnightbl	-0.176992493	0.000120559	-0.156868357	0.00066906
SIGLEC1	midnightbl	-0.060815831	0.189542506	-0.036915018	0.426105465
SIGLEC1	midnightbl	0.022149712	0.633052322	0.042764722	0.356477125
SIGLEC1	midnightbl	-0.068933985	0.13689506	-0.05116448	0.269838985
SIGLEC5	midnightbl	-0.051264938	0.268898479	-0.024455566	0.598088195
SIGLEC7	midnightbl	-0.065918138	0.154958737	-0.051108522	0.270363854
SIGLEC8	midnightbl	-0.078885473	0.088602641	-0.051407179	0.267570632
SIGLEC9	midnightbl	-0.066169753	0.153385915	-0.037697761	0.416354995
SIRPA	midnightbl	-0.149755164	0.001170858	-0.174048569	0.000156809
SLAMF8	midnightbl	0.014043797	0.76212566	0.066133987	0.153608746
SLC11A1	midnightbl	-0.073308316	0.113629072	-0.045587521	0.325594831
SLC15A3	midnightbl	-0.208117079	5.76E-06	-0.154497897	0.000808364
SLC2A5	midnightbl	-0.133821795	0.003765037	-0.088401283	0.056263773
SLC37A2	midnightbl	-0.01714904	0.71165976	0.025239356	0.586405655
SLC7A7	midnightbl	-0.162023193	0.000439389	-0.122844013	0.007868995
SMCO4	midnightbl	-0.132427031	0.004147255	-0.108249907	0.019288354
SOWAH1	midnightbl	0.060756811	0.189973287	0.079185262	0.087394121
SPATC1	midnightbl	0.021573082	0.641929332	0.038555033	0.405828169
SPHK1	midnightbl	-0.122702367	0.00794138	-0.097400402	0.035360574
SPI1	midnightbl	-0.015966869	0.730737862	0.035820832	0.439955681
SPIB	midnightbl	-0.083363336	0.071891781	-0.059475132	0.199506116
SQRDL	midnightbl	0.324879895	6.11E-13	0.364108164	4.36E-16
STAB1	midnightbl	-0.117632236	0.010956608	-0.076493704	0.098731925
STAC3	midnightbl	0.12944523	0.005084446	0.139067763	0.002596406
STAT5A	midnightbl	-0.172321525	0.000182599	-0.148652394	0.001274265
TBXAS1	midnightbl	-0.06261836	0.176729493	-0.038788994	0.402983019

TFEB	midnightbl	-0.141836153	0.002123181	-0.096133763	0.037828094
TIFAB	midnightbl	-0.01458373	0.753271034	0.007161479	0.877335272
TIMD4	midnightbl	-0.139368129	0.002540772	-0.119163317	0.009953821
TMEM15	midnightbl	-0.019612985	0.672481337	0.009165741	0.843399779
TMEM17	midnightbl	-0.382028051	1.12E-17	-0.332781538	1.54E-13
TMEM86	midnightbl	-0.238242186	1.89E-07	-0.210741632	4.36E-06
TNFAIP8	midnightbl	-0.062685711	0.176263521	-0.010628413	0.818812279
TNFRSF1	midnightbl	0.04610493	0.320128144	0.080396065	0.082647367
TNFRSF1	midnightbl	-0.15854038	0.000584564	-0.113985972	0.013713028
TNFRSF4	midnightbl	-0.015074807	0.745245601	0.025749261	0.578862505
TNFSF14	midnightbl	0.16172042	0.000450533	0.185975235	5.27E-05
TREM2	midnightbl	-0.045504972	0.326472565	-0.010977938	0.812962004
TREML1	midnightbl	-0.101275727	0.028644052	-0.087923308	0.057613795
TRPV2	midnightbl	-0.039693988	0.392090262	0.015798393	0.733470643
TYMP	midnightbl	0.036969108	0.425427444	0.091961869	0.047011415
TYROBP	midnightbl	-0.064218331	0.165905406	-0.006488337	0.888786533
UBD	midnightbl	-0.053391065	0.249518359	-0.024962371	0.590522118
UNC13D	midnightbl	-0.220712198	1.46E-06	-0.203437395	9.38E-06
VAMP5	midnightbl	-0.121233999	0.008727513	-0.066700338	0.150108985
VAV1	midnightbl	-0.118189591	0.010581655	-0.062629529	0.176652158
VENTX	midnightbl	-0.147480255	0.001393339	-0.139243235	0.002563772
VMO1	midnightbl	0.037124647	0.423481226	0.066535944	0.151118554
ZFP57	midnightbl	-0.070749197	0.126830828	-0.054691146	0.23815884
ZMYND1	midnightbl	-0.198287692	1.59E-05	-0.17692285	0.000121317
ACTR10	orange	-0.105480714	0.022624798	-0.129136307	0.005191711
AIMP1	orange	-0.005887693	0.899024103	-0.014133557	0.760651452
AK3	orange	-0.051872498	0.263258214	-0.08575775	0.064070855
ALG5	orange	0.200316175	1.29E-05	0.181733096	7.82E-05
ANAPC1	orange	-0.029717102	0.521774514	-0.03831048	0.408814873
ANAPC1	orange	0.014830439	0.74923581	0.010062414	0.828307058
ANAPC1	orange	0.128806231	0.00530857	0.130981648	0.004580053
AP3S1	orange	0.017147624	0.711682516	0.006957791	0.880797758
ARL14EP	orange	-0.063733088	0.169134301	-0.080767568	0.081233443
ASF1A	orange	0.001365493	0.976522059	-0.006786154	0.88371717
ATG12	orange	0.091481851	0.04817901	0.08266281	0.074321943
ATG4C	orange	-0.102649855	0.026541225	-0.127803679	0.005678169
ATP6V1C	orange	0.118383121	0.010454146	0.098835549	0.032731539
BCDIN3L	orange	0.090687069	0.05016559	0.062850484	0.175127388
BDH2	orange	0.033409411	0.471371278	0.01670724	0.718769326
BET1	orange	0.060186136	0.194175693	0.047050595	0.310292225
BTF3	orange	0.05954687	0.198963508	0.02539761	0.584059711
C2orf76	orange	-0.008117675	0.861113269	-0.0261195	0.573414087
CAAP1	orange	0.023217965	0.616746089	0.006277063	0.892385526
CALM2	orange	-0.1070637	0.020661109	-0.105924383	0.022058755
CAMLG	orange	-0.126987422	0.005996002	-0.161049157	0.000476185

CBR4	orange	0.161407278	0.000462335	0.152384619	0.000954699
CCDC112	orange	-0.038535531	0.406065864	-0.055024315	0.235307282
CCDC90	orange	0.01809887	0.696459891	-0.000193051	0.996680259
CCNH	orange	0.188547189	4.12E-05	0.173658184	0.000162321
CDC37L1	orange	-0.026001598	0.575146497	-0.035057903	0.449763301
CDC42	orange	0.005150439	0.911612878	-0.012791905	0.78277401
CETN3	orange	0.087516718	0.05878322	0.059044008	0.202789726
CGRRF1	orange	-0.144534578	0.001739121	-0.158816637	0.000571596
CIR1	orange	-0.203725127	9.11E-06	-0.218798202	1.81E-06
COMMD	orange	0.083539698	0.071290302	0.056342669	0.22426013
COPS2	orange	0.079917195	0.08449918	0.053506142	0.248497907
COQ7	orange	-0.104878136	0.023413704	-0.101440751	0.028384186
CRYZL1	orange	-0.001505989	0.974107215	-0.014267728	0.758449464
DARS	orange	-0.013204435	0.775952202	-0.050988597	0.271491053
DERL2	orange	0.124356321	0.007132105	0.115001439	0.012889876
DNAJC25	orange	0.096660185	0.036785393	0.066331015	0.152384265
DPH5	orange	-0.035455617	0.444635269	-0.055566074	0.230722016
DUSP11	orange	-0.194543554	2.30E-05	-0.211309622	4.10E-06
DUT	orange	0.087213506	0.059668045	0.071666703	0.121967162
EAPP	orange	-0.107018176	0.020715443	-0.108531621	0.018974259
EIF1AX	orange	0.082831651	0.07373019	0.053602806	0.247642979
EIF1B	orange	-0.278475296	9.16E-10	-0.301168325	3.02E-11
EIF2A	orange	-0.074327337	0.108682707	-0.10466213	0.023702242
EIF3E	orange	-0.036351073	0.433211976	-0.097909067	0.034408906
ELMOD2	orange	0.127796374	0.005680945	0.114892243	0.01297625
ELP4	orange	0.136846355	0.00304358	0.119599254	0.009683621
ERP44	orange	0.119852604	0.009529604	0.111421099	0.016001454
ESD	orange	-0.046308564	0.317993159	-0.059839334	0.19676252
FOPNL	orange	-0.009885961	0.831272287	-0.028025332	0.545758449
FRA10A	orange	0.109896469	0.017514846	0.073750433	0.111461739
FXN	orange	0.224594068	9.42E-07	0.218274489	1.92E-06
GKAP1	orange	-0.083831748	0.070303322	-0.112491875	0.015008267
GPBP1	orange	-0.073867948	0.110891162	-0.100825434	0.029363551
GTF2B	orange	0.016826243	0.716851875	0.006458917	0.889287553
IER3IP1	orange	0.086980306	0.060356029	0.076745545	0.097623773
ISCA1	orange	-0.067216987	0.146969535	-0.074748063	0.106690679
LARP7	orange	0.033329551	0.472432365	0.004077921	0.929965051
LIAS	orange	-0.041911833	0.366158631	-0.054017395	0.243999505
LYRM5	orange	0.069822477	0.131894744	0.060255651	0.19366018
MBD2	orange	0.08622052	0.062643142	0.074499937	0.107861971
MEAF6	orange	-0.050558788	0.275557236	-0.072511641	0.117617887
MED31	orange	0.19350791	2.55E-05	0.194568058	2.30E-05
MED7	orange	-0.027480341	0.553599125	-0.030591712	0.509590706
MFF	orange	-0.154504477	0.000807942	-0.175165077	0.000141999
MICU2	orange	0.055195222	0.233853895	0.022168565	0.632762965

MOB4	orange	-0.081824047	0.077319239	-0.082281262	0.075673448
MORF4L	orange	-0.046553185	0.315440765	-0.074727854	0.106785701
MORF4L	orange	-0.082316594	0.075547464	-0.103785133	0.024905529
MRPL50	orange	0.176710076	0.00012366	0.162004625	0.000440065
MRPS36	orange	0.241307861	1.30E-07	0.246716284	6.63E-08
MSANTE	orange	0.225705447	8.30E-07	0.222342629	1.22E-06
NAP1L1	orange	-0.107346724	0.020326086	-0.140704628	0.002306161
NDFIP1	orange	0.137105134	0.002988105	0.11654771	0.011720079
NDNL2	orange	-0.063163051	0.172987175	-0.091217075	0.048833379
NDUFA5	orange	-0.025881525	0.576913334	-0.036326121	0.433527986
NDUFAB1	orange	0.332577538	1.60E-13	0.324953096	6.03E-13
NDUFS4	orange	0.065078277	0.160297044	0.062971384	0.174297239
NFYB	orange	-0.09060942	0.050363295	-0.107729105	0.019880959
NKAP	orange	-0.1495033	0.00119377	-0.159611026	0.000535778
NOL8	orange	-0.009633238	0.835523393	-0.050993494	0.271444964
NPM1	orange	-0.03282123	0.479216925	-0.075965415	0.101089017
NSA2	orange	0.127881017	0.005648855	0.111951438	0.015502566
NT5C3A	orange	0.014906499	0.747993116	0.005060015	0.913158473
NUDCD2	orange	-0.00627017	0.892502989	-0.012118874	0.793939189
OCIAD1	orange	0.031650186	0.49504659	0.015901064	0.731804851
OSTC	orange	0.170817469	0.000208246	0.166985497	0.000289638
PCNP	orange	-0.185098206	5.72E-05	-0.206204311	7.04E-06
PFDN1	orange	0.082775603	0.0739262	0.069880091	0.131575439
PIGP	orange	-0.012847097	0.781860349	-0.025316578	0.58526038
POLR3G	orange	0.131455078	0.004433998	0.118316859	0.010497649
PPHLN1	orange	-0.08151411	0.078451332	-0.095341812	0.039443883
PPP1CC	orange	-0.021993666	0.635449462	-0.049018863	0.290464466
PPP2CA	orange	0.045354657	0.328074777	0.029898325	0.519237756
PPP2R3C	orange	0.00263086	0.954783297	-0.009017543	0.845899908
PPP4R2	orange	0.065946247	0.154782425	0.03407476	0.462582096
PRIMPO1	orange	0.004368214	0.924993683	-0.029328105	0.527241037
PSIP1	orange	-0.144901871	0.001692081	-0.171634974	0.000193915
PUS3	orange	0.166152495	0.000310883	0.14953119	0.001191213
RAB5A	orange	0.040456626	0.383050614	0.024096893	0.603469185
RAD17	orange	0.053158557	0.251589047	0.024952225	0.590673154
RFESD	orange	-0.061356183	0.185631865	-0.056844569	0.22015314
RIOK2	orange	0.009513988	0.837530985	-0.010395448	0.822717203
RNF14	orange	0.175668471	0.000135761	0.166562099	0.000300261
RPS27L	orange	0.358986247	1.19E-15	0.365179815	3.53E-16
RSL1D1	orange	0.008320589	0.857678072	-0.022512626	0.62749216
RSL24D1	orange	0.016294734	0.725429455	-0.014735649	0.750785415
RWDD4	orange	0.045442367	0.327139255	0.033675039	0.4678514
SCOC	orange	0.042659859	0.357658718	0.03340342	0.471450845
SDHD	orange	-0.122972844	0.007803671	-0.137768219	0.002850131
SEC11A	orange	0.283408338	4.48E-10	0.260620692	1.09E-08

15-Sep orange	-0.026633512	0.565890364	-0.052037392	0.261741565
SFR1 orange	0.017974093	0.698449912	0.005256083	0.909807548
SIAH1 orange	-0.099429037	0.031694132	-0.103759426	0.024941583
SKP1 orange	-0.043858766	0.344296002	-0.055795459	0.228799771
SLU7 orange	-0.077610759	0.093891972	-0.103203991	0.025731624
SMIM20 orange	0.145767133	0.001585841	0.135760789	0.00328664
SNAPC1 orange	-0.005678726	0.902589829	-0.019041231	0.681498665
SNW1 orange	-0.019518205	0.673972945	-0.05281881	0.25463623
SPCS2 orange	0.074357499	0.108538926	0.046807804	0.312798339
SREK1IP orange	0.072808828	0.116117302	0.069737161	0.132368679
SRP14 orange	0.185524233	5.49E-05	0.175601151	0.00013658
ST13 orange	0.013816865	0.765856582	-0.02074504	0.654766187
SYF2 orange	-0.058445229	0.207415107	-0.07779212	0.093124377
TAF12 orange	0.099901151	0.030889078	0.089505047	0.053246327
TAF9 orange	0.262123191	8.91E-09	0.260423799	1.12E-08
TCAIM orange	0.218603977	1.85E-06	0.203176477	9.64E-06
TMA16 orange	-0.003103831	0.946665477	-0.019757739	0.670205728
TMBIM4 orange	0.04854664	0.295142209	0.036968274	0.42543789
TMEM23 orange	-0.134955364	0.003478223	-0.146773704	0.00146997
TRMT5 orange	-0.086350735	0.062246172	-0.11654352	0.011723117
TRNT1 orange	-0.0335542	0.46945086	-0.058557628	0.206541096
TXNL1 orange	0.161508513	0.000458489	0.151679059	0.001008762
UBA3 orange	0.169914954	0.000225216	0.134937857	0.003482498
UBE2B orange	-0.140610646	0.002321989	-0.157298433	0.000646307
UBLCP1 orange	0.007673108	0.868648583	-0.01769131	0.702967517
UFM1 orange	0.114367139	0.013398776	0.098204177	0.033866846
UGP2 orange	-0.044154528	0.341048986	-0.055558577	0.230785026
UIMC1 orange	-0.047826561	0.302371494	-0.082247004	0.075795768
VAPA orange	-0.071029714	0.125328107	-0.089578794	0.053049614
WDR89 orange	0.030594166	0.509556727	0.011059493	0.811598438
XPA orange	0.022910144	0.621425965	0.014011075	0.76266329
ZCCHC1 orange	0.134175367	0.003673357	0.105411345	0.022714429
ZCCHC7 orange	-0.046621913	0.314726072	-0.071047951	0.125230892
ZCCHC9 orange	-0.09762032	0.034946414	-0.118120552	0.010627474
ZCRB1 orange	0.031058384	0.503150966	0.017254277	0.709969915
ZFAND6 orange	0.019832201	0.669036335	0.005980995	0.897432692
ZNF22 orange	-0.145184041	0.001656739	-0.176113812	0.000130457
BPIFC orangered4	-0.035526317	0.443727163	-0.040540471	0.382064621
CLCA2 orangered4	0.132169831	0.004221455	0.119647293	0.009654249
FAM26D orangered4	-0.061064214	0.187737451	-0.066721481	0.149979515
GPRC5D orangered4	0.084290267	0.068776328	0.082380012	0.075321759
IL1F10 orangered4	-0.079795128	0.084976535	-0.063966229	0.167577123
IL36G orangered4	-0.025113824	0.588269627	-0.036605601	0.429996145
KRT33A orangered4	0.040119268	0.387033566	0.015849471	0.732641761
KRT33B orangered4	0.016271053	0.725812439	0.030476865	0.511182069

KRT34	orangered4	-0.043606693	0.347078842	-0.02816328	0.543782562
KRT36	orangered4	0.046394225	0.317097834	0.044801624	0.334013284
KRT37	orangered4	-0.072362479	0.118376742	-0.028402307	0.540367296
KRT38	orangered4	0.059464194	0.199588941	0.051308307	0.268493141
KRT39	orangered4	-0.045103052	0.330768012	-0.01216471	0.793177432
KRT82	orangered4	0.003317643	0.942997497	0.041099628	0.375528789
KRT83	orangered4	0.043403572	0.349331616	0.022874131	0.621974488
KRT84	orangered4	0.007177559	0.877062039	0.01949605	0.674321788
KRT85	orangered4	0.014231154	0.759049518	0.01408822	0.761395949
KRTAP1-orangered4		-0.076084779	0.100552578	-0.065718165	0.156217427
KRTAP1-orangered4		0.048133124	0.299279504	0.053669115	0.247057709
KRTAP1-orangered4		-0.036103194	0.436357109	-0.013885445	0.7647285
KRTAP1(orangered4		-0.097938109	0.034355237	-0.09363038	0.043135907
KRTAP1(orangered4		-0.069674029	0.132720227	-0.067033751	0.148077201
KRTAP1(orangered4		-0.053650387	0.247222915	-0.05608229	0.226412163
KRTAP1(orangered4		-0.091018206	0.049329738	-0.087842769	0.057843897
KRTAP1(orangered4		-0.089956371	0.052051929	-0.097414079	0.035334695
KRTAP1lorangered4		0.019753672	0.670269627	0.018549631	0.689288348
KRTAP1lorangered4		-0.0093599	0.840126635	-0.011873261	0.798024401
KRTAP1lorangered4		0.006318632	0.891677237	0.006395936	0.890360279
KRTAP1lorangered4		-0.03777715	0.415373447	-0.029411282	0.526069725
KRTAP1lorangered4		-0.013289654	0.774545095	-0.035829202	0.439848765
KRTAP1lorangered4		-0.006116727	0.895118297	-0.010498417	0.820990699
KRTAP1lorangered4		-0.028908056	0.533176475	-0.022750584	0.623857832
KRTAP1lorangered4		-0.021609254	0.641370949	-0.008548824	0.853817395
KRTAP1lorangered4		-0.028718376	0.535867709	-0.027856915	0.548175563
KRTAP2-orangered4		-0.050937512	0.271972183	-0.049042105	0.290235525
KRTAP2-orangered4		-0.084983067	0.06652074	-0.06459448	0.163434409
KRTAP2-orangered4		-0.029217679	0.528798131	-0.020493227	0.658690444
KRTAP2(orangered4		-0.001457505	0.974940521	-0.00142943	0.975423084
KRTAP2(orangered4		-0.054900085	0.236367725	-0.058010367	0.210821782
KRTAP2lorangered4		-0.002934795	0.949566128	-0.001426042	0.975481317
KRTAP3-orangered4		-0.002075781	0.964316274	0.012120577	0.793910888
KRTAP3-orangered4		0.103627716	0.025127006	0.111026274	0.016381946
KRTAP4-orangered4		-0.084263621	0.068864316	-0.096884733	0.036348106
KRTAP4-orangered4		-0.056087136	0.226371975	-0.047906747	0.301560701
KRTAP4-orangered4		-0.056176677	0.225630369	-0.044437642	0.337959205
KRTAP4-orangered4		-0.035804299	0.44016691	-0.036734248	0.428376008
KRTAP4-orangered4		-0.038344247	0.408401708	-0.037827528	0.414751289
KRTAP4-orangered4		-0.033341499	0.472273527	-0.030003337	0.517770717
KRTAP4-orangered4		-0.050955979	0.271798187	-0.046371805	0.317332005
KRTAP4-orangered4		-0.033964047	0.464038249	-0.026430834	0.56885136
KRTAP4-orangered4		0.025386132	0.584229714	0.037627838	0.41722063
KRTAP4-orangered4		-0.026111049	0.57353819	-0.005305518	0.908962926
KRTAP4-orangered4		0.065324369	0.158718685	0.086417589	0.06204317



KRTAP5-orangered4	0.09059269	0.050405977	0.086725113	0.061116393
KRTAP5-orangered4	-0.039047476	0.399853568	-0.034751236	0.453740119
KRTAP5-orangered4	-0.062456686	0.177851766	-0.067402218	0.145856239
KRTAP6-orangered4	0.009947678	0.830234876	0.012722966	0.783915657
KRTAP7-orangered4	-0.011569547	0.803083619	-0.007599926	0.869890151
KRTAP8-orangered4	-0.003053737	0.947525021	-0.004169241	0.928400853
KRTAP9-orangered4	-0.071487708	0.122904418	-0.068762486	0.137876804
KRTAP9-orangered4	-0.030403913	0.512194267	-0.029566898	0.523881861
KRTAP9-orangered4	-0.030059486	0.516987181	-0.010886184	0.81449677
KRTAP9-orangered4	0.014490477	0.754798074	0.029263725	0.52814857
KRTAP9-orangered4	-0.024041866	0.604296654	-0.025794443	0.578196305
KRTAP9-orangered4	-0.033273392	0.47317931	-0.017210655	0.7106702
KRTAP9-orangered4	-0.030378849	0.512542277	-0.025421224	0.583710024
LOR orangered4	-0.040388368	0.383854464	-0.03259583	0.48224222
NEU2 orangered4	-0.017509199	0.7058824	-0.003633062	0.937588627
R3HDM1 orangered4	-0.061431059	0.185094695	-0.065865206	0.155291156
SLC39A1 orangered4	-0.080211504	0.083357151	-0.070266254	0.129450641
SPRR4 orangered4	0.023997412	0.604965488	0.039401679	0.395588949
WFDC11 orangered4	-0.041646137	0.369207757	-0.02456452	0.596457929
ABCB8 paleturquoi	0.173498149	0.000164632	0.197633189	1.69E-05
ABHD17 paleturquoi	0.269037298	3.47E-09	0.289373112	1.85E-10
ACADS paleturquoi	0.289538631	1.80E-10	0.319081099	1.64E-12
ACD paleturquoi	0.144326604	0.001766285	0.165455901	0.000329755
ACSF3 paleturquoi	0.236511488	2.33E-07	0.24237881	1.14E-07
ADAT3 paleturquoi	0.243925487	9.40E-08	0.263295428	7.61E-09
ADRBK1 paleturquoi	0.121305631	0.008687611	0.136951416	0.003020946
AKR1A1 paleturquoi	0.304436316	1.80E-11	0.332613794	1.59E-13
ALKBH7 paleturquoi	0.219695537	1.64E-06	0.230979332	4.50E-07
ANAPC2 paleturquoi	0.203932675	8.91E-06	0.214817088	2.81E-06
AP3D1 paleturquoi	0.377713586	2.77E-17	0.387722369	3.35E-18
APBA3 paleturquoi	0.234506921	2.96E-07	0.254783904	2.36E-08
APRT paleturquoi	0.228804733	5.80E-07	0.26302494	7.89E-09
ATP5D paleturquoi	0.257281892	1.70E-08	0.279312895	8.12E-10
ATPAF2 paleturquoi	0.415069483	7.13E-21	0.433459179	8.18E-23
BSG paleturquoi	0.308460523	9.43E-12	0.306391128	1.32E-11
BTBD2 paleturquoi	0.274340375	1.65E-09	0.285311982	3.38E-10
C17orf59 paleturquoi	0.247428173	6.06E-08	0.280893173	6.46E-10
C19orf24 paleturquoi	0.321157387	1.15E-12	0.358918838	1.21E-15
C19orf25 paleturquoi	0.28869182	2.05E-10	0.32518251	5.80E-13
C19orf70 paleturquoi	0.208554174	5.50E-06	0.234137665	3.10E-07
C9orf114 paleturquoi	0.24242439	1.13E-07	0.237854953	1.98E-07
C9orf69 paleturquoi	0.171863863	0.000190072	0.195877427	2.02E-05
CACTIN paleturquoi	0.262850413	8.08E-09	0.26851496	3.73E-09
CCDC94 paleturquoi	0.222773499	1.16E-06	0.239288208	1.66E-07
CD320 paleturquoi	0.151643634	0.00101155	0.146265713	0.001527439

CDC34	paleturquoi	0.128652718	0.005363721	0.148370006	0.001302063
CHMP1A	paleturquoi	0.307982532	1.02E-11	0.341798616	3.04E-14
CLPP	paleturquoi	0.324108139	6.97E-13	0.350450709	6.10E-15
COG4	paleturquoi	0.243448677	9.97E-08	0.276271009	1.26E-09
COX4I1	paleturquoi	0.228712163	5.86E-07	0.271045233	2.63E-09
CRELD2	paleturquoi	0.392994852	1.07E-18	0.40860806	3.21E-20
CSK	paleturquoi	0.262883843	8.05E-09	0.292907868	1.08E-10
CSNK1G	paleturquoi	0.295769048	6.99E-11	0.297626819	5.24E-11
CTDNBP	paleturquoi	0.227712892	6.59E-07	0.236008065	2.48E-07
CTU2	paleturquoi	0.281209362	6.17E-10	0.321232928	1.14E-12
DAK	paleturquoi	0.369236144	1.57E-16	0.369084936	1.62E-16
DAPK3	paleturquoi	0.177459201	0.000115593	0.200438618	1.28E-05
DDX28	paleturquoi	0.061665717	0.183418664	0.08581649	0.063888162
DOHH	paleturquoi	0.316989846	2.32E-12	0.342700485	2.58E-14
DOK1	paleturquoi	0.264590433	6.39E-09	0.280386648	6.96E-10
DOT1L	paleturquoi	0.366280521	2.83E-16	0.367768477	2.11E-16
DUS2	paleturquoi	0.263001477	7.92E-09	0.285460432	3.31E-10
DUS3L	paleturquoi	0.290349805	1.60E-10	0.289997197	1.68E-10
ELP5	paleturquoi	0.104590242	0.023798948	0.105690667	0.022355386
FAM96B	paleturquoi	0.203643429	9.18E-06	0.259095474	1.34E-08
FASTK	paleturquoi	0.167463203	0.000278075	0.191037655	3.24E-05
FDXR	paleturquoi	0.31014463	7.18E-12	0.325085792	5.89E-13
FUK	paleturquoi	0.344257174	1.94E-14	0.376918323	3.27E-17
FZR1	paleturquoi	0.31665279	2.46E-12	0.338954003	5.10E-14
GCHFR	paleturquoi	0.372082249	8.81E-17	0.375795385	4.12E-17
GMPPA	paleturquoi	0.218381697	1.90E-06	0.238820625	1.76E-07
GMPPB	paleturquoi	0.335433817	9.61E-14	0.368769799	1.72E-16
GPX4	paleturquoi	0.320810121	1.22E-12	0.35274185	3.96E-15
GTF2F1	paleturquoi	0.249586265	4.61E-08	0.26055071	1.10E-08
HMG20B	paleturquoi	0.443420267	6.48E-24	0.456208325	2.20E-25
HMGCL	paleturquoi	0.299265265	4.06E-11	0.328319393	3.37E-13
KLF16	paleturquoi	0.204370227	8.52E-06	0.217614037	2.06E-06
KLHDC4	paleturquoi	0.162897801	0.000408621	0.186585434	4.97E-05
LONP1	paleturquoi	0.308105017	9.99E-12	0.331780948	1.84E-13
LSM7	paleturquoi	0.362606925	5.87E-16	0.385942482	4.91E-18
MAP2K2	paleturquoi	0.291016687	1.44E-10	0.295572422	7.20E-11
MBD3	paleturquoi	0.257040305	1.75E-08	0.270124929	2.98E-09
MCAT	paleturquoi	0.205830745	7.32E-06	0.231809168	4.08E-07
MED16	paleturquoi	0.251876171	3.43E-08	0.269162247	3.41E-09
MFSD12	paleturquoi	0.274827748	1.54E-09	0.297806866	5.10E-11
MIER2	paleturquoi	0.290183513	1.64E-10	0.292322836	1.18E-10
MOB3A	paleturquoi	0.329630489	2.68E-13	0.352298992	4.30E-15
MPND	paleturquoi	0.362997904	5.43E-16	0.384629617	6.49E-18
MRPL54	paleturquoi	0.273155862	1.95E-09	0.298763478	4.39E-11
MVD	paleturquoi	0.343097538	2.40E-14	0.364021002	4.44E-16

MYDGF	paleturquoi	0.367723548	2.12E-16	0.379901733	1.76E-17
NCLN	paleturquoi	0.388767419	2.68E-18	0.411631099	1.60E-20
NDUFA1	paleturquoi	0.274610186	1.59E-09	0.299032731	4.21E-11
NDUFS7	paleturquoi	0.276121128	1.28E-09	0.314246752	3.66E-12
NELFB	paleturquoi	0.117698839	0.010911191	0.135453522	0.003358569
NHP2L1	paleturquoi	0.207777936	5.97E-06	0.21673384	2.27E-06
NUDT18	paleturquoi	0.426095665	5.06E-22	0.457759245	1.45E-25
NUTF2	paleturquoi	0.276404536	1.23E-09	0.318323757	1.86E-12
OAZ1	paleturquoi	0.264302801	6.64E-09	0.309621307	7.82E-12
PARD6A	paleturquoi	0.338372067	5.67E-14	0.360070245	9.65E-16
PDDC1	paleturquoi	0.221818105	1.29E-06	0.235898417	2.51E-07
PEX11G	paleturquoi	0.338714175	5.33E-14	0.358182651	1.39E-15
PIAS4	paleturquoi	0.35423778	2.97E-15	0.360404898	9.04E-16
PLEKHJ1	paleturquoi	0.305926743	1.42E-11	0.324675764	6.33E-13
POLR2E	paleturquoi	0.29300019	1.07E-10	0.315934571	2.77E-12
POLR3H	paleturquoi	0.194104409	2.40E-05	0.209557822	4.94E-06
POLRMT	paleturquoi	0.196947542	1.81E-05	0.231320084	4.32E-07
PPP2R4	paleturquoi	0.38025335	1.63E-17	0.391291165	1.55E-18
PQLC1	paleturquoi	0.148131546	0.00132597	0.163580835	0.000386
PRMT7	paleturquoi	0.2806434	6.70E-10	0.320363183	1.32E-12
R3HCC1	paleturquoi	0.186442639	5.04E-05	0.196086148	1.98E-05
R3HDM4	paleturquoi	0.369362136	1.53E-16	0.397715062	3.78E-19
RAB11B	paleturquoi	0.164986065	0.000343082	0.185180279	5.68E-05
RANBP3	paleturquoi	0.318625946	1.77E-12	0.320423667	1.31E-12
RNF126	paleturquoi	0.292692105	1.12E-10	0.312525527	4.87E-12
RPS15	paleturquoi	0.292885634	1.09E-10	0.312261678	5.08E-12
RRP7A	paleturquoi	0.156211016	0.000705276	0.174969568	0.000144494
SDF2L1	paleturquoi	0.2593878	1.29E-08	0.291645311	1.31E-10
SF3A2	paleturquoi	0.206409423	6.89E-06	0.207095457	6.41E-06
SGSM3	paleturquoi	0.3570253	1.74E-15	0.384088485	7.28E-18
SGTA	paleturquoi	0.374155136	5.77E-17	0.38502295	5.97E-18
SH3GL1	paleturquoi	0.382624428	9.92E-18	0.417072325	4.44E-21
SIL1	paleturquoi	0.219424985	1.69E-06	0.235883374	2.51E-07
SIRT6	paleturquoi	0.390611801	1.80E-18	0.417568971	3.95E-21
SLC2A8	paleturquoi	0.153049253	0.000906231	0.150096145	0.001140484
SLC39A3	paleturquoi	0.326258929	4.82E-13	0.349920089	6.74E-15
SPATA2I	paleturquoi	0.319722573	1.47E-12	0.344179021	1.97E-14
SSR4	paleturquoi	0.243877218	9.45E-08	0.27391457	1.76E-09
STK11	paleturquoi	0.270100805	2.99E-09	0.273049578	1.98E-09
TBCD	paleturquoi	0.191419045	3.13E-05	0.20556268	7.53E-06
TCF25	paleturquoi	0.246145291	7.12E-08	0.26240993	8.58E-09
TEX264	paleturquoi	0.318411867	1.83E-12	0.351272102	5.23E-15
THOP1	paleturquoi	0.414877726	7.46E-21	0.412367349	1.34E-20
TIMM13	paleturquoi	0.294751644	8.17E-11	0.318504465	1.80E-12
TMED3	paleturquoi	0.391473412	1.49E-18	0.387693995	3.37E-18

TMEM20 paleturquoi	0.186512756	5.00E-05	0.228671665	5.89E-07
TMEM25 paleturquoi	0.197711894	1.68E-05	0.211820495	3.88E-06
TMUB1 paleturquoi	0.273608208	1.83E-09	0.28075517	6.59E-10
TP53I13 paleturquoi	0.224330609	9.71E-07	0.226133844	7.90E-07
TPGS1 paleturquoi	0.116168697	0.011997776	0.12408929	0.007257549
TRAPPC2 paleturquoi	0.218034032	1.97E-06	0.263301864	7.60E-09
TRAPPC4 paleturquoi	0.236643017	2.29E-07	0.25304491	2.95E-08
TUBG1 paleturquoi	0.418244621	3.36E-21	0.440884295	1.25E-23
TUBGCP paleturquoi	0.118192084	0.010580003	0.13158642	0.004394231
TXN2 paleturquoi	0.282443055	5.16E-10	0.287485852	2.45E-10
UBXN6 paleturquoi	0.259077193	1.34E-08	0.285743522	3.17E-10
UQCR11 paleturquoi	0.325538496	5.45E-13	0.358661534	1.27E-15
VAC14 paleturquoi	0.147670701	0.001373321	0.1951836	2.16E-05
VPS4A paleturquoi	0.158556864	0.000583783	0.195382313	2.12E-05
WDR18 paleturquoi	0.28621725	2.96E-10	0.30644193	1.31E-11
ZNF358 paleturquoi	0.105977755	0.021991496	0.114359857	0.013404719
ZNF414 paleturquoi	0.173976441	0.000157814	0.185890613	5.31E-05
ZNF524 paleturquoi	0.224015534	1.01E-06	0.24362309	9.76E-08
ZSWIM7 paleturquoi	0.380784507	1.46E-17	0.399561534	2.50E-19
AADACL pink	-0.037192577	0.422632869	-0.051952323	0.262523253
ABCG5 pink	-0.243071689	1.04E-07	-0.235400697	2.66E-07
AC00236 pink	0.000651739	0.988792918	0.012783393	0.782914932
AC00495 pink	-0.049280688	0.287892421	-0.063382981	0.171492992
AC00577 pink	-0.048984991	0.290798324	-0.029843115	0.52000992
AC00862 pink	-0.047034015	0.310462953	-0.031742979	0.493782172
AC01920 pink	-0.045462175	0.326928224	-0.035878771	0.439215897
AC08776 pink	-0.021964784	0.635893556	-0.020431247	0.659657783
AC09332 pink	-0.001222867	0.978973737	0.011318747	0.80726762
ACCSL pink	-0.001717477	0.970472599	0.006042812	0.896378536
ACER1 pink	-0.023263796	0.616050621	-0.030262069	0.51416531
ACSBG2 pink	-0.046594215	0.315013966	-0.047042922	0.310371231
ACTL6B pink	-0.005836906	0.899890528	0.001180128	0.979708442
ACTL7A pink	-0.011614941	0.802326931	-0.00480614	0.91749963
ACTL7B pink	-0.0187071	0.686789525	-0.009928977	0.830549206
ACTL9 pink	-0.044460914	0.337706025	-0.039428938	0.3952619
ACTN3 pink	-0.110860162	0.016544381	-0.108474684	0.019037379
ADAM30 pink	-0.052013444	0.261961456	-0.044824917	0.333761774
AGRP pink	0.103600195	0.0251659	0.108114227	0.019441239
AIPL1 pink	-0.040176348	0.386357894	-0.038593835	0.40535548
AKR1D1 pink	-0.038055946	0.411937274	-0.02862361	0.537214829
AL02257 pink	-0.064876138	0.161602327	-0.053324958	0.250105889
AL35482 pink	-0.025264605	0.58603108	-0.027552686	0.552555162
AL35628 pink	-0.020105885	0.664745099	-0.013499577	0.771082091
AL35714 pink	-0.010044979	0.828599941	0.017128535	0.711989196
ANGPTL pink	-0.102896322	0.026178465	-0.065612465	0.156885855

AP002884 pink	-0.124437707	0.007094259	-0.143326326	0.001902448
APOC4 pink	0.061158033	0.187058955	0.051565514	0.26609784
APOF pink	0.169777731	0.000227907	0.174201575	0.000154697
APOL5 pink	-0.061266883	0.186274009	-0.06211313	0.180254141
ARGFX pink	-0.031946338	0.49101721	-0.017534767	0.705472892
ARL5C pink	-0.053616293	0.247523863	-0.051172783	0.269761166
ARR3 pink	-0.051098836	0.270454772	-0.053390922	0.24951963
ASB11 pink	-0.080409986	0.082594026	-0.069835307	0.131823588
ASGR2 pink	-0.061008499	0.188141239	-0.050228523	0.278709702
ASIC4 pink	-0.201326136	1.17E-05	-0.192088556	2.93E-05
AWAT1 pink	-0.00564015	0.903248287	0.024668954	0.594897191
BANF2 pink	-0.12642497	0.006224213	-0.126464677	0.00620785
BEST2 pink	-0.099817466	0.031030488	-0.090210217	0.051390015
BHMG1 pink	-0.056509309	0.222890526	-0.055889219	0.228017344
BIRC8 pink	0.004520476	0.922387302	0.007975485	0.86352202
BPIFA3 pink	-0.041308951	0.373099883	-0.036516983	0.431114217
BTN1A1 pink	-0.117537936	0.011021198	-0.095342264	0.039442945
BTNL2 pink	-0.265981072	5.28E-09	-0.264103435	6.82E-09
C10orf12 pink	0.007356953	0.87401462	0.000846482	0.985444509
C10orf62 pink	-0.097702995	0.034791789	-0.091222801	0.048819149
C11orf40 pink	-0.024870271	0.591893807	-0.012504223	0.787541174
C14orf17 pink	-0.009549239	0.836937414	-0.005057184	0.913206869
C15orf43 pink	-0.015300692	0.741563228	-0.01500162	0.746439933
C15orf53 pink	0.011920227	0.797242805	0.027351662	0.555458402
C16orf78 pink	-0.009616955	0.835797455	-0.009119649	0.844177186
C16orf96 pink	-0.187076212	4.74E-05	-0.182470017	7.31E-05
C17orf10 pink	0.00195254	0.966433563	0.014512332	0.754440108
C17orf64 pink	-0.133699836	0.003797138	-0.125652648	0.006550274
C17orf98 pink	-0.001690776	0.970931457	0.041076393	0.375798999
C17orf99 pink	-0.113390511	0.014216946	-0.098901685	0.032614517
C19orf80 pink	-0.166642792	0.000298209	-0.158885758	0.000568393
C1orf177 pink	-0.111913674	0.015537633	-0.110472292	0.016929167
C20orf17 pink	-0.065330697	0.158678255	-0.063735117	0.169120702
C20orf62 pink	-0.020679907	0.65578031	-0.019502983	0.674212622
C2orf57 pink	-0.077447727	0.094586295	-0.076801743	0.09737785
C2orf61 pink	-0.09386883	0.042604669	-0.082807803	0.073813537
C2orf78 pink	0.000260813	0.995515032	0.028090239	0.544828321
C2orf83 pink	-0.065382741	0.158346032	-0.05113898	0.270078084
C3orf20 pink	-0.03313856	0.474975322	-0.032129942	0.488527976
C3orf22 pink	-0.179442964	9.66E-05	-0.167277065	0.000282528
C3orf84 pink	-0.069235765	0.135180587	-0.068047764	0.142026553
C4orf50 pink	-0.038950267	0.401028762	-0.032705381	0.480770544
C5orf60 pink	0.006465413	0.889176922	0.017282145	0.709522655
C8orf74 pink	0.038378331	0.407984907	0.029240578	0.528475054
CA5A pink	0.034290553	0.459751189	0.013487331	0.771283978

CA7	pink	-0.097378095	0.035402816	-0.090074299	0.051743549
CABP5	pink	-0.033077137	0.47579473	-0.026456936	0.568469614
CABS1	pink	-0.056802101	0.220498558	-0.045245753	0.329238767
CACNG2	pink	-0.008202784	0.85967211	-0.000809416	0.986081806
CALR3	pink	-0.045606118	0.325397304	-0.037429042	0.419687485
CATSPEI	pink	-0.119086816	0.010001921	-0.096879922	0.036357429
CATSPEI	pink	-0.032209219	0.487455275	-0.021369334	0.645078271
CCDC105	pink	-0.090696467	0.050141706	-0.083957998	0.069880133
CCDC182	pink	-0.060065364	0.195073703	-0.040387885	0.383860154
CCDC27	pink	-0.206112017	7.11E-06	-0.216019699	2.46E-06
CCDC63	pink	-0.025859673	0.577235156	-0.010422306	0.822266777
CCDC83	pink	-0.036236559	0.434663328	-0.010741939	0.816910973
CCKAR	pink	-0.079581833	0.085815856	-0.085354056	0.06533808
CCT8L2	pink	-0.031239252	0.500666696	-0.02849487	0.539047607
CD300LE	pink	0.036791556	0.427655447	0.035154114	0.448519724
CDCP2	pink	0.004186177	0.928110798	0.014056924	0.761909998
CEACAM	pink	0.015365129	0.740513869	0.050603517	0.275132161
CEACAM	pink	-0.011951676	0.796719536	-0.005230992	0.910236274
CEBPE	pink	-0.071782251	0.121365095	-0.053522662	0.248351654
CELA1	pink	-0.077126741	0.095965308	-0.076073199	0.100604518
CELA2A	pink	-0.091409163	0.048357917	-0.093865356	0.04261237
CES5A	pink	0.083215054	0.07240069	0.061895775	0.181786388
CIB3	pink	-0.074310048	0.108765186	-0.043167647	0.351959804
CIB4	pink	-0.184186733	6.23E-05	-0.189715761	3.69E-05
CIDEC	pink	-0.0803584	0.08279182	-0.075915196	0.101315392
CLCN1	pink	-0.212556306	3.58E-06	-0.203285756	9.53E-06
CLEC17A	pink	-0.064866571	0.161664302	-0.039402872	0.395574633
CLRN2	pink	-0.055447244	0.231722291	-0.054790353	0.237307209
CLVS1	pink	-0.185509978	5.50E-05	-0.185127926	5.70E-05
CNBD2	pink	-0.107624954	0.020001351	-0.101475273	0.028330081
CNTN2	pink	-0.07700427	0.096495671	-0.075338237	0.103945101
CNTNAP	pink	-0.174142225	0.000155513	-0.177673243	0.00011338
CPLX4	pink	-0.035378704	0.44562436	-0.028656725	0.536743904
CRLF2	pink	-0.073160492	0.114361068	-0.070487281	0.128246487
CRX	pink	-0.030644675	0.508857696	-0.025136979	0.587925604
CRYGA	pink	0.000513546	0.991169122	0.003881842	0.933324518
CST11	pink	-0.094929924	0.040307082	-0.077183636	0.095719711
CST9L	pink	-0.031411321	0.498309317	-0.02512148	0.588155873
CSTL1	pink	-0.098659612	0.033044588	-0.060549808	0.191489849
CT47B1	pink	-0.091162115	0.048970134	-0.085871105	0.063718685
CTD-308	pink	-0.056897128	0.219726185	-0.001252755	0.978459955
CTD-313	pink	-0.077018203	0.096435218	-0.071546144	0.122597824
CTRC	pink	-0.059865109	0.1965694	-0.059171853	0.201811938
CU10478	pink	-0.046047059	0.3207366	-0.035617886	0.442552597
CYP11B1	pink	0.018159253	0.695497628	0.020738452	0.654868736

CYP11B2pink	-0.035958315	0.438201415	-0.02845669	0.539591759
CYP2A13pink	-0.102335547	0.02701011	-0.096776342	0.036558633
CYP2F1 pink	-0.087229518	0.059621044	-0.064926266	0.161277895
CYP46A1pink	-0.288521412	2.10E-10	-0.296892311	5.87E-11
CYP4F2 pink	-0.118718211	0.010236589	-0.114583955	0.013222867
DAND5 pink	-0.078915858	0.088479543	-0.072839174	0.115964926
DAO pink	-0.0448983	0.332970217	-0.04175924	0.367907877
DCST1 pink	0.189065321	3.92E-05	0.182354663	7.39E-05
DCST2 pink	0.265032893	6.01E-09	0.261454497	9.75E-09
DDX4 pink	-0.1110048	0.016402866	-0.105865075	0.022133703
DEFB116pink	0.046082803	0.320360703	0.043392193	0.349458092
DEFB118pink	-0.061379367	0.185465414	-0.056748408	0.220935823
DEFB119pink	-0.022997328	0.620098926	-0.022361545	0.629804315
DEFB121pink	-0.057483737	0.21500114	-0.050022811	0.28068558
DEFB123 pink	-0.044846663	0.333527084	-0.03477486	0.453433064
DGAT2Lpink	0.015700908	0.735053459	0.017649484	0.703636601
DMRTC2pink	-0.022063012	0.634383719	-0.002138454	0.96323965
DNAH17 pink	-0.249974521	4.38E-08	-0.256484881	1.89E-08
DNAJC5pink	-0.127132515	0.005938364	-0.126643749	0.006134534
DNMT3Lpink	-0.077341318	0.095041682	-0.069139505	0.135725654
DSCAM pink	-0.104519918	0.023893881	-0.074864546	0.106144292
DUSP21 pink	-0.030420405	0.511965359	-0.014859956	0.748753468
DUX4 pink	0.094746891	0.040695759	0.075292564	0.104155561
EFCAB8 pink	-0.097169683	0.035799555	-0.092819031	0.044985464
EFCAB9 pink	-0.045897973	0.322307527	-0.055117864	0.234510953
ERICH6 pink	-0.104377558	0.024087059	-0.078806345	0.08892385
ETV3L pink	-0.03138496	0.49867008	-0.042466655	0.359842174
FAM129Cpink	-0.12043945	0.00918118	-0.112232997	0.01524329
FAM151A/pink	-0.046879967	0.31205208	-0.050508311	0.276037479
FAM187Epink	-0.125229048	0.006735539	-0.123916003	0.007340007
FAM205A/pink	-0.040086947	0.387416466	-0.032939994	0.477627047
FAM221Epink	0.101425809	0.028407632	0.124380103	0.007121027
FAM47A pink	-0.05513908	0.234330622	-0.052762119	0.255147168
FAM47B pink	0.051057396	0.270844001	0.05238945	0.258523623
FAM71C pink	-0.074305934	0.108784821	-0.058268214	0.208796997
FBXW12 pink	-0.077001194	0.096509024	-0.07142399	0.123239414
FCAMR pink	0.019419568	0.675526606	0.017860011	0.700271158
FFAR3 pink	0.012103748	0.794190608	0.0103938	0.822744835
FGF6 pink	0.010093616	0.827782964	0.02736659	0.555242548
FNDC7 pink	-0.107696423	0.019918669	-0.113011084	0.014546473
FP325317pink	-0.02029729	0.661750434	-0.014574788	0.75341743
FSCB pink	0.013618967	0.769114586	0.013104133	0.777609276
FSD2 pink	-0.073804017	0.111201285	-0.076577314	0.098362919
G6PC pink	-0.023597357	0.61099939	-0.026407965	0.569185929
GABRB1 pink	-0.142259549	0.002058197	-0.147064409	0.001437984

GAGE10	pink	-0.138469811	0.002710479	-0.117698863	0.010911175
GATA1	pink	-0.121438472	0.008614043	-0.120908673	0.008910795
GDF2	pink	-0.004548472	0.921908164	0.013458183	0.771764591
GGTLC1	pink	0.060605618	0.191080102	0.06036417	0.192857431
GGTLC2	pink	0.043987935	0.342875508	0.02621173	0.572060619
GIP	pink	-0.049923687	0.281641055	-0.048166323	0.298945924
GJA10	pink	-0.039970091	0.388802785	-0.029250801	0.528330845
GJA8	pink	-0.165987556	0.000315258	-0.161570925	0.000456132
GJD2	pink	-0.006605205	0.886796674	-0.027644052	0.551238076
GLT6D1	pink	0.003350208	0.942438932	-0.003938061	0.932361176
GNAT1	pink	-0.117951639	0.010740319	-0.122940696	0.007819926
GOLGA6	pink	-0.029792031	0.520724889	-0.031140037	0.502028636
GOLGA6	pink	-0.065042516	0.16052739	-0.073243621	0.113948975
GOLGA6	pink	-0.030963143	0.504461733	-0.017124295	0.712057308
GOLGA8	pink	-0.051713868	0.264722937	-0.075672703	0.102414137
GOT1L1	pink	-0.042744689	0.356702667	-0.034787843	0.453264371
GPR101	pink	-0.032452912	0.484165801	-0.020758183	0.654561627
GPR119	pink	-0.023828035	0.607516897	-0.032241262	0.487022057
GPR144	pink	-0.089226338	0.053995242	-0.070837294	0.126357397
GPR148	pink	-0.056644824	0.221781139	-0.053320125	0.250148884
GPR152	pink	-0.04754067	0.305274007	-0.033888384	0.465034875
GPR32	pink	-0.000573288	0.990141856	0.013078542	0.778032226
GPR33	pink	-0.067976375	0.142446239	-0.038415306	0.407533043
GPR42	pink	-0.028630126	0.537122159	-0.006690161	0.885350626
GPX5	pink	-0.014170626	0.760042885	-0.016053243	0.729338131
GRK7	pink	-0.086014978	0.063274	-0.082408889	0.075219164
GRXCR1	pink	-0.006088782	0.895594726	0.000445626	0.99233704
GSG1	pink	-0.037039665	0.424543933	-0.029850603	0.51990515
H1FNT	pink	-0.111511038	0.01591587	-0.104968027	0.023294527
HEATR4	pink	-0.228543511	5.98E-07	-0.22802889	6.35E-07
HIGD2B	pink	0.042662176	0.357632586	0.04181433	0.367275755
HIPK4	pink	-0.139465731	0.002522929	-0.140038569	0.002420491
HSD3B1	pink	-0.0374386	0.419568684	-0.042536517	0.359051685
HTR1A	pink	-0.052224134	0.260031256	-0.053187378	0.251331724
HTR3D	pink	0.042657588	0.357684339	0.024258153	0.601047198
HZGJ	pink	-0.085997036	0.063329313	-0.078253733	0.091193281
IDI2	pink	-0.041871568	0.366619702	-0.042015946	0.364968113
IFNL1	pink	-0.171428561	0.000197444	-0.163287868	0.000395556
IFNL2	pink	-0.096406995	0.037283808	-0.082744661	0.07403459
IFNL3	pink	-0.135413195	0.003368114	-0.1307132	0.004664786
IL1RAPL	pink	-0.031697529	0.494401269	-0.036039338	0.437169441
IL22	pink	-0.035259157	0.447164207	-0.017155427	0.71155716
IL31	pink	-0.0357901	0.44034837	-0.031942387	0.491070848
INHBC	pink	-0.156401903	0.000694576	-0.166654289	0.000297918
IQCF1	pink	0.045840219	0.322917436	0.04110366	0.375481918



IQCF2	pink	-0.026441643	0.568693264	-0.017460969	0.706655088
IQCF6	pink	0.143494375	0.001878921	0.131506043	0.004418528
IRGC	pink	-0.043722166	0.345802276	-0.0323458	0.48561017
ITIH6	pink	-0.143879861	0.001825955	-0.137344176	0.002937681
IZUMO1	pink	-0.05024225	0.27857819	-0.035472598	0.444417053
KCNG4	pink	-0.013067581	0.778213397	-0.002336901	0.959831064
KCNH4	pink	-0.044266343	0.339826541	-0.02746953	0.553755218
KCNH5	pink	0.019004333	0.682082175	0.009598205	0.836113061
KCNJ6	pink	-0.069049753	0.136235393	-0.06778137	0.143597492
KCNK10	pink	-0.040173342	0.386393465	-0.031639834	0.495187745
KCTD19	pink	-0.115371235	0.01260112	-0.115170181	0.012757397
KHDC3L	pink	-0.169919451	0.000225128	-0.155651184	0.000737542
KIF2B	pink	0.006969204	0.880603693	0.007283417	0.875263579
KIR3DL3	pink	-0.038186863	0.410329541	-0.021382236	0.644878693
KIR3DX1	pink	-0.043011935	0.35370124	-0.028112807	0.544505098
KLHL10	pink	-0.175976146	0.000132075	-0.185489783	5.51E-05
KRT32	pink	0.041889522	0.36641407	0.02110401	0.649188412
KRT35	pink	0.032809646	0.47937215	0.005103489	0.912415336
KRTAP1	pink	-0.016247785	0.726188804	-0.021283999	0.646399032
KRTAP1	pink	-0.044160756	0.340980824	-0.049609071	0.284688256
KRTAP1	pink	-0.067682524	0.144183759	-0.066448463	0.15165789
KRTAP1	pink	-0.055912408	0.227824127	-0.054613589	0.238826119
KRTAP1	pink	-0.047586032	0.304812246	-0.05042395	0.276841356
KRTAP1	pink	-0.048339666	0.297208212	-0.047603927	0.30463021
KRTAP1	pink	-0.058048058	0.210524928	-0.044519825	0.337065661
KRTAP1	pink	-0.025170834	0.587422778	-0.023449489	0.613236353
KRTAP1	pink	-0.086222475	0.062637167	-0.07643116	0.099008676
KRTAP1	pink	-0.060271071	0.193545964	-0.064621168	0.163260148
KRTAP2	pink	-0.009405081	0.839365365	-0.005170001	0.911278542
KRTAP2	pink	-0.00788618	0.865035534	-0.00959154	0.836225262
KRTAP2	pink	-0.003988402	0.931498656	0.004605636	0.920929913
KRTAP5	pink	-0.118687614	0.010256286	-0.120658341	0.009054151
KRTAP5	pink	-0.05849759	0.20700762	-0.046236592	0.318746682
KRTAP5	pink	-0.015121449	0.74448476	-0.01458059	0.753322435
KRTAP6	pink	-0.020952872	0.651534478	-0.014406851	0.756168258
KRTAP6	pink	-0.008785191	0.849822858	-0.005278205	0.909429567
KRTAP9	pink	-0.016409941	0.723567266	-0.0159772	0.730570388
LACTBL	pink	0.003975807	0.931714438	0.008109114	0.861258256
LALBA	pink	-0.041203923	0.374317376	-0.031312251	0.499665873
LCE3A	pink	-0.049080877	0.289853884	-0.055808783	0.228688471
LCE3C	pink	0.040118514	0.387042496	0.034962047	0.451004226
LCT	pink	-0.02094065	0.651724343	-0.025314547	0.585290489
LELP1	pink	-0.017903387	0.699578485	-0.00403514	0.93069792
LEP	pink	-0.068708415	0.138187448	-0.070446024	0.128470592
LGALS13	pink	0.031966342	0.49074568	0.039370498	0.395963269

LHFPL5 pink	0.031363592	0.498962622	0.03150809	0.496986137
LMOD2 pink	0.008648527	0.852131979	0.015994957	0.730282579
LMOD3 pink	0.109224424	0.018220719	0.120832682	0.008954097
LOXHD1 pink	-0.174794484	0.000146763	-0.176065175	0.000131027
LRRC10 pink	0.040428154	0.383385801	0.052220474	0.260064696
LRRC30 pink	-0.032363111	0.485376567	-0.026819163	0.563184592
LRRC3C pink	-0.076469317	0.098839764	-0.071338547	0.123689736
LY6G6E pink	-0.045407514	0.327510793	-0.06584866	0.155395179
LY6G6F pink	-0.012228674	0.792114735	-0.01864633	0.687753466
LYPD4 pink	-0.007246081	0.875897816	0.01449847	0.75466715
LYZL4 pink	0.07148292	0.122929568	0.117526922	0.011028764
LYZL6 pink	-0.076433356	0.098998949	-0.057818038	0.212341274
MAGEB1 pink	-0.0694755	0.133830429	-0.045640142	0.325036117
MAGEB3 pink	-0.046751051	0.31338605	-0.044587721	0.336328601
MCHR2 pink	-0.086537416	0.06168068	-0.088076931	0.057176996
MDS2 pink	-0.099615856	0.031373447	-0.075388862	0.103712217
MEP1A pink	0.046674557	0.314179346	0.013473823	0.771506694
METTL1 pink	-0.019720371	0.670792892	-0.03646283	0.431798285
MMD2 pink	-0.051881099	0.263178954	-0.05339484	0.249484844
MOG pink	-0.040822409	0.378760473	-0.035641155	0.442254392
MOGAT3 pink	-0.056772468	0.220739803	-0.052397219	0.25845292
MPL pink	-0.187631531	4.50E-05	-0.20171282	1.12E-05
MPP4 pink	-0.076617619	0.09818543	-0.025589217	0.581225176
MRGPRE pink	-0.074232117	0.109137592	-0.052182836	0.260408821
MRGPRX pink	-0.045197415	0.329756268	-0.027824173	0.548646084
MRGPRX pink	-0.062652804	0.176491077	-0.067413718	0.14578733
MRGPRX pink	-0.01373019	0.767283009	-0.000573402	0.9901399
MROH7 pink	-0.22145942	1.34E-06	-0.240296008	1.47E-07
MS4A10 pink	-0.0629036	0.174762308	-0.045337674	0.328256118
MS4A18 pink	-0.095762372	0.038578704	-0.080897851	0.080742253
MUC17 pink	-0.039062334	0.399674126	-0.029621979	0.523108577
MYL7 pink	-0.160330443	0.000505151	-0.141521417	0.002172697
MYO16 pink	-0.155690092	0.000735256	-0.14795733	0.001343691
MYPN pink	0.006458231	0.889299234	0.024246295	0.601225146
NANOG pink	-0.05531576	0.232832661	-0.050183305	0.279143207
NANOG pink	-0.04850955	0.295511735	-0.023214076	0.616805116
NANOS2 pink	-0.071536376	0.122649032	-0.065247558	0.159210064
NKX2-6 pink	-0.027236893	0.557119244	-0.014695331	0.751444822
NLRP10 pink	-0.010935499	0.813671787	-0.002953526	0.949244673
NLRP12 pink	-0.029008871	0.531748855	-0.016627362	0.720057354
NLRP13 pink	-0.028728853	0.53571889	0.003424083	0.94117193
NLRP5 pink	0.01567518	0.735471368	0.015865975	0.732374011
NLRP8 pink	-0.021983602	0.635604201	-0.024022242	0.604591864
NLRP9 pink	-0.000342699	0.994106918	-0.017001961	0.714023859
NMRK2 pink	-0.140734345	0.002301177	-0.13581598	0.00327387

NOBOX	pink	-0.073513159	0.112620817	-0.086614752	0.06144766
NPHS1	pink	-0.136538395	0.003110817	-0.130389274	0.004768913
NPY4R	pink	-0.07770188	0.093505681	-0.081223574	0.079524735
NR1I2	pink	-0.313617194	4.07E-12	-0.315657183	2.90E-12
NR1I3	pink	-0.114994342	0.012895474	-0.123911591	0.007342118
NT5DC4	pink	-0.017666134	0.703370226	-0.038341361	0.408437003
NUTM1	pink	-0.107153702	0.020554055	-0.108488527	0.019022016
OCM	pink	-0.039288718	0.396946025	-0.035577465	0.443070866
OCM2	pink	-0.050941255	0.271936911	-0.04828668	0.297738663
ODF1	pink	-0.035882843	0.439163937	-0.047649769	0.304164209
ODF4	pink	-0.004200906	0.927858546	0.009800376	0.832711388
OLAH	pink	-0.168133094	0.000262585	-0.16874916	0.000249054
OPN1LW	pink	-0.134023494	0.003712487	-0.12849332	0.005421533
OPN1MW	pink	-0.00638818	0.890492402	-0.014321349	0.757569997
OPRD1	pink	-0.102425157	0.026875709	-0.096507173	0.037085923
OR10A2	pink	-0.049787061	0.282961621	-0.045422289	0.327353254
OR10A4	pink	-0.076107834	0.100449225	-0.069698826	0.132582061
OR10G2	pink	-0.065395023	0.158267706	-0.050197009	0.279011779
OR10G3	pink	-0.024005158	0.604848928	-0.007325192	0.874554014
OR10H2	pink	-0.064261527	0.165620229	-0.052322888	0.259129917
OR10H3	pink	-0.020606962	0.656916827	-0.019991856	0.666531694
OR10H5	pink	-0.103649088	0.025096837	-0.090656934	0.050242241
OR10J3	pink	-0.01722635	0.710418209	-0.013622622	0.769054389
OR10J5	pink	0.012894221	0.781080478	0.007628233	0.86940988
OR10K1	pink	-0.021803435	0.638376913	-0.020627337	0.656599303
OR10K2	pink	-0.005585961	0.904173368	0.003695627	0.936516095
OR10P1	pink	-0.04497595	0.332133943	-0.039291065	0.396917804
OR10S1	pink	-0.017198075	0.71087221	-0.016038788	0.729572313
OR10V1	pink	-0.056048902	0.226689177	-0.04755822	0.305095302
OR10W1	pink	-0.083946997	0.069916926	-0.071790866	0.121320296
OR11A1	pink	-0.044655434	0.335594547	-0.035998773	0.437685928
OR11G2	pink	-0.023922401	0.60609482	-0.027695668	0.550494697
OR11L1	pink	-0.027088314	0.559272952	-0.021126887	0.648833608
OR12D3	pink	0.007597661	0.869928591	0.002761485	0.952540826
OR13C8	pink	-0.002528813	0.956535426	0.009224984	0.84240076
OR13F1	pink	-0.048453691	0.296068828	-0.054272943	0.2417725
OR13J1	pink	0.018805722	0.685226278	0.004817648	0.917302793
OR14I1	pink	-0.035537156	0.443588037	-0.028213008	0.543071159
OR14J1	pink	-0.024258654	0.601039685	-0.020296852	0.661757285
OR1A1	pink	-0.040386147	0.383880634	-0.024565653	0.596440981
OR1A2	pink	-0.015354268	0.740690697	-0.020147239	0.66409763
OR1E2	pink	-0.016243447	0.726258975	-0.016488859	0.722292595
OR1G1	pink	-0.001475047	0.974639015	-0.006163996	0.894312514
OR1I1	pink	-0.035130215	0.448828446	-0.022589037	0.626324159
OR1K1	pink	-0.013331552	0.773853559	-0.000640447	0.988987079

OR1M1	pink	-0.03581901	0.43997896	-0.032711037	0.480694633
OR2AT4	pink	-0.069978308	0.131032478	-0.053416867	0.249289312
OR2B11	pink	-0.040859872	0.378322757	-0.039381834	0.395827166
OR2F2	pink	-0.044726651	0.334823626	-0.043859944	0.344283029
OR2G2	pink	0.002603803	0.955247848	0.005665871	0.902809256
OR2G3	pink	0.048143002	0.29918022	0.044609524	0.336092122
OR2G6	pink	-0.08600921	0.063291777	-0.082088345	0.076364364
OR2H2	pink	-0.173638494	0.000162603	-0.176686232	0.000123926
OR2L2	pink	-0.15830075	0.000596033	-0.160724376	0.000489078
OR2M4	pink	-0.041606053	0.369669129	-0.035615259	0.442586257
OR2M7	pink	-0.014266817	0.758464415	-0.013955143	0.763582542
OR2T2	pink	-0.038611301	0.405142819	-0.038042868	0.412098092
OR2T27	pink	-0.050595453	0.27520876	-0.045687913	0.324529436
OR2T3	pink	-0.010120776	0.827326842	-0.008253181	0.858818947
OR2T34	pink	0.02131147	0.645973739	0.018828326	0.684868166
OR2T35	pink	-0.039130509	0.398851387	-0.039935161	0.389217761
OR2T6	pink	-0.022884847	0.62181125	-0.01996501	0.666952592
OR2T7	pink	0.013626799	0.768985574	0.01548535	0.738557332
OR2Y1	pink	-0.054587851	0.23904785	-0.045542921	0.326068869
OR2Z1	pink	-0.020885931	0.652574676	-0.020023908	0.666029311
OR3A1	pink	-0.033665956	0.467971518	-0.03285205	0.47880407
OR4B1	pink	0.023685678	0.609664994	0.012145438	0.793497702
OR4C11	pink	-0.043082781	0.352908241	-0.023630205	0.610502957
OR4C12	pink	-0.028803389	0.534660682	-0.013946567	0.76372352
OR4C15	pink	-0.053164358	0.251537245	-0.04697453	0.311075955
OR4C5	pink	-0.008991599	0.846337763	0.004138725	0.928923534
OR4D1	pink	-0.033327534	0.472459179	-0.01664873	0.719712718
OR4D10	pink	-0.030265844	0.514112813	-0.028197449	0.543293691
OR4D11	pink	-0.043923551	0.343583088	-0.049108248	0.28958466
OR4D5	pink	0.008697048	0.85131201	0.023126568	0.618134015
OR4D9	pink	-0.025381403	0.584299765	-0.026658232	0.565529718
OR4K13	pink	-0.057845153	0.212126577	-0.054296403	0.241568769
OR4K14	pink	0.022302889	0.630702971	0.015140917	0.74416727
OR4K2	pink	-0.010549912	0.820127593	-0.003762312	0.935373049
OR4M1	pink	-0.000264768	0.99544701	-0.003845166	0.933953028
OR4N2	pink	-0.040504563	0.382486698	-0.037484627	0.418996872
OR4Q3	pink	0.023249887	0.61626165	0.028388163	0.540569091
OR51A7	pink	0.043490924	0.348361679	0.066001128	0.154438631
OR51D1	pink	-0.071661427	0.121994708	-0.062978711	0.17424702
OR51F2	pink	-0.033655446	0.468110539	-0.034230681	0.460535653
OR51L1	pink	0.047345842	0.307262527	0.04760049	0.304665165
OR51S1	pink	-0.03272223	0.480544422	-0.039332171	0.396423668
OR51V1	pink	0.001238069	0.978712407	-0.00260999	0.955141617
OR52B2	pink	-0.019846276	0.668815379	-0.007850422	0.865641684
OR52I2	pink	-0.004400476	0.924441357	-0.003651293	0.937276096

OR52K1	pink	-0.084360225	0.068545754	-0.070462353	0.128381859
OR52M1	pink	0.028165263	0.543754176	0.026465728	0.568341063
OR52W1	pink	-0.061587134	0.183978685	-0.062036183	0.180795481
OR56B4	pink	-0.090702566	0.05012621	-0.082528779	0.074794444
OR5A1	pink	-0.030052894	0.517079143	-0.028603538	0.537500373
OR5AP2	pink	-0.044378	0.338608611	-0.041910312	0.366176047
OR5B12	pink	-0.026836526	0.562931864	-0.025384215	0.584258106
OR5C1	pink	0.005285527	0.909304463	0.01455126	0.753802628
OR5J2	pink	-0.027140453	0.558516712	-0.021879931	0.637199045
OR5M9	pink	-0.016586574	0.720715371	-0.01473717	0.750760541
OR6B2	pink	-0.055032183	0.235240232	-0.050834998	0.272939439
OR6C6	pink	-0.061532089	0.184371712	-0.081187084	0.079660383
OR6C75	pink	-0.000898286	0.984553843	-0.002859003	0.95086695
OR6K2	pink	-0.072477218	0.117792675	-0.074589213	0.107439376
OR6K6	pink	0.053483314	0.248700104	0.032322552	0.485923968
OR6M1	pink	-0.013781635	0.766436281	-0.019578435	0.673024921
OR6N2	pink	-0.00411763	0.929284861	-0.002259971	0.961152351
OR6S1	pink	-0.013324573	0.77396874	-0.011529885	0.80374492
OR6T1	pink	0.019581229	0.672980949	0.01761568	0.704177528
OR6X1	pink	-0.105996059	0.021968471	-0.0969499	0.036222029
OR6Y1	pink	-0.037479092	0.419065608	-0.037097057	0.423826077
OR7A10	pink	-0.070403176	0.128703663	-0.061188756	0.186837156
OR7C2	pink	-0.076877404	0.097047531	-0.065948296	0.154769581
OR7D4	pink	-0.075145452	0.104835745	-0.068572823	0.138968817
OR7G1	pink	-0.051260963	0.268935655	-0.049987382	0.281026837
OR7G2	pink	-0.066258538	0.15283383	-0.057038076	0.218584147
OR7G3	pink	-0.073493739	0.112716101	-0.068633761	0.138617236
OR8K1	pink	0.015718402	0.734769323	0.024533368	0.596923853
OR8K5	pink	-0.041825163	0.367151537	-0.034697013	0.454445332
OR8S1	pink	-0.067399132	0.14587473	-0.072263265	0.118883608
OR9A4	pink	-0.085944799	0.063490591	-0.080638843	0.081721134
OR9Q1	pink	-0.050874939	0.272562299	-0.039097951	0.399244174
OTUD6A	pink	-0.02675992	0.56404735	-0.005592889	0.904055088
P2RX3	pink	-0.067667929	0.144270482	-0.077958275	0.092425555
P2RX6	pink	-0.126346449	0.006256685	-0.116887299	0.01147611
PADI4	pink	-0.043192837	0.351678589	-0.023555477	0.611632594
PADI6	pink	-0.011769427	0.799753109	-0.002244071	0.961425447
PANX3	pink	-0.072075583	0.119847075	-0.064095065	0.166721225
PDZD3	pink	-0.167433696	0.000278777	-0.156633717	0.000681785
PEX5L	pink	-0.041668114	0.368954954	-0.044384458	0.338538264
PGAM4	pink	0.158808035	0.000571996	0.134184042	0.003671134
PGLYRP1	pink	-0.046068405	0.320512079	-0.032023696	0.48996759
PGLYRP2	pink	-0.104694973	0.023658174	-0.08727055	0.059500744
PIWIL3	pink	-0.05552714	0.231049407	-0.04910837	0.289583461
PKLR	pink	-0.025117438	0.588215924	-0.019211864	0.678802728

PLA2G2F pink	0.00493981	0.915213613	-0.004695174	0.919397889
PNLIPRP pink	-0.051543479	0.266302471	-0.047584031	0.304832598
PP2672 pink	-0.080999986	0.080358869	-0.065814972	0.155607132
PPEF2 pink	0.021652092	0.640709942	0.02773283	0.549959789
PPIAL4G pink	-0.01391828	0.764188577	-0.020207351	0.663156923
PPP3R2 pink	-0.059793475	0.197106454	-0.044730133	0.334785964
PRAMEF pink	-0.016322682	0.72497756	-0.014358775	0.756956321
PRAMEF pink	0.004162225	0.928521031	0.006180827	0.894025639
PRAMEF pink	-0.063515923	0.170594478	-0.059873894	0.196503611
PRAMEF pink	-0.054850294	0.236793687	-0.052269617	0.259615857
PRDM14 pink	-0.014407048	0.756165034	-0.015516866	0.738044694
PRKACG pink	-0.023426318	0.613587214	-0.013961219	0.763482659
PRKAG3 pink	-0.043956939	0.343216036	-0.041171902	0.374689059
PRM1 pink	-0.017882943	0.699904921	-0.000116042	0.998004512
PRNT pink	-0.023744614	0.608775274	-0.02061372	0.656811502
PRODH2 pink	-0.057886913	0.211796226	-0.049373892	0.28698054
PROP1 pink	-0.043640193	0.346708186	-0.02295571	0.620732253
PRR21 pink	-0.034750713	0.453746924	-0.017215318	0.710595337
PRR23A pink	0.013316376	0.774104024	0.021514875	0.642828275
PRR23B pink	-0.067228898	0.146897751	-0.054052498	0.243692752
PRR23C pink	-0.065436296	0.15800471	-0.051405887	0.267582675
PRR30 pink	-0.016915562	0.715413883	-0.000214142	0.996317588
PRSS38 pink	-0.071720186	0.1216882	-0.071744515	0.121561465
PRSS54 pink	-0.044065637	0.342022809	-0.041290393	0.373314835
PRSS55 pink	0.032003602	0.490240123	0.030120861	0.516131413
PSG8 pink	-0.036273523	0.434194537	-0.035211706	0.447776255
PSMB11 pink	-0.029701562	0.521992338	-0.030057275	0.517018024
PTCHD3 pink	-0.095737441	0.03862954	-0.081820217	0.077333149
PTX4 pink	0.063016911	0.173985389	0.054543325	0.239431783
QRFPR pink	-0.071165401	0.124606219	-0.070369016	0.128889712
RBPJL pink	-0.196630163	1.87E-05	-0.187258164	4.66E-05
RD3L pink	-0.106581227	0.021243296	-0.108824227	0.01865275
RESP18 pink	-0.030461174	0.511399702	-0.020335101	0.66115949
RETNLB pink	-0.082961678	0.073277091	-0.080435335	0.082496974
RFPL4A pink	-0.068678347	0.138360426	-0.0836629	0.070872571
RFPL4AL pink	-0.074547127	0.107638431	-0.084959788	0.066595533
RHAG pink	-0.051476776	0.266922567	-0.055581462	0.230592705
RNF222 pink	-0.015146995	0.744068155	0.007123555	0.877979761
RP1-270 pink	-0.110408874	0.01699282	-0.104775024	0.023551058
RP11-407 pink	-0.061073162	0.187672661	-0.043395911	0.349416764
RP11-446 pink	-0.058075948	0.210305463	-0.063934346	0.167789436
RP11-477 pink	-0.012257231	0.79164041	-0.009132692	0.843957178
RP11-761 pink	0.049636848	0.284418333	0.067675869	0.144223295
RP13-279 pink	-0.028424161	0.540055566	-0.025450972	0.583269651
RP1L1 pink	0.01502236	0.746101411	0.001108112	0.980946462

RP4-533E pink	0.001083315	0.981372759	0.019360684	0.676454763
RPH3A pink	-0.097700161	0.034797079	-0.094424376	0.041388341
RPL3L pink	-0.049393451	0.286789425	-0.048050007	0.300115733
RSPH6A pink	-0.001479197	0.974567686	0.022194824	0.632360026
RTP2 pink	-0.103265552	0.025643012	-0.095170189	0.039801635
S100A7L pink	0.012760466	0.783294583	0.017757631	0.701907051
SAG pink	-0.101269635	0.028653685	-0.092934201	0.044718932
SATL1 pink	-0.073128805	0.114518455	-0.079648006	0.085554753
SBK3 pink	-0.083687551	0.07078923	-0.083468787	0.071531645
SCN10A pink	-0.021465871	0.643585491	-0.016298349	0.725371003
SEPT12 pink	0.092301226	0.04620036	0.098516604	0.033300926
SERPINE pink	-0.106450523	0.021403444	-0.102228014	0.027172156
SHISA7 pink	-0.094832363	0.040513864	-0.090431864	0.050817819
SLC13A4 pink	-0.116834265	0.011513912	-0.11384997	0.013826715
SLC17A2 pink	-0.060090961	0.194883118	-0.054211339	0.242308051
SLC22A1 pink	-0.067199693	0.147073806	-0.061597612	0.183903941
SLC22A1 pink	-0.099419745	0.031710155	-0.10248262	0.026789825
SLC22A1 pink	-0.114646752	0.0131723	-0.113152462	0.014422912
SLC22A1 pink	-0.018586738	0.688699201	-0.021200515	0.647692214
SLC22A6 pink	-0.012552185	0.786745839	-0.003186143	0.945253264
SLC22A9 pink	-0.072325551	0.118565207	-0.074446452	0.108115776
SLC24A4 pink	-0.048600985	0.294601327	-0.056456185	0.223326502
SLC26A8 pink	-0.016170678	0.7274365	-0.017601119	0.704410578
SLC28A1 pink	-0.037676162	0.41662227	-0.022682535	0.624896226
SLC2A7 pink	-0.053687705	0.246893799	-0.050842075	0.272872586
SLC35G3 pink	-0.023414724	0.613762815	0.009539635	0.837099117
SLC36A2 pink	-0.109269402	0.018172714	-0.110982619	0.016424499
SLC36A3 pink	-0.075216478	0.104506914	-0.068366086	0.140166683
SLC4A1 pink	-0.028039626	0.545553538	-0.019477225	0.674618269
SLC4A9 pink	-0.063397784	0.171392774	-0.05921098	0.201513375
SLC5A11 pink	-0.088617674	0.055661277	-0.083018709	0.073079076
SLFN14 pink	-0.087181918	0.059760854	-0.070690066	0.127149367
SMCO1 pink	-0.083000938	0.073140731	-0.074524268	0.107746668
SMCP pink	-0.054681511	0.238241664	-0.06779723	0.143503593
SMIM21 pink	-0.027451593	0.554014244	-0.019900988	0.667956764
SOAT2 pink	-0.199322687	1.43E-05	-0.185655066	5.43E-05
SPACA3 pink	-0.090651434	0.050256241	-0.079076465	0.087831162
SPATA21 pink	0.03953205	0.394026204	0.05852769	0.206773632
SPATA3 pink	-0.012582774	0.786238705	-0.010815549	0.815678755
SPIC pink	-0.044283936	0.339634455	-0.034560791	0.456219698
SPPL2C pink	-0.018209545	0.69469654	-0.031070309	0.502986972
SPTA1 pink	-0.068234955	0.140930571	-0.069037243	0.136306557
SSMEM1 pink	-0.071170013	0.124581738	-0.076538999	0.098531882
SSX1 pink	-0.117742001	0.010881848	-0.11046733	0.01693414
SUN5 pink	-0.042908908	0.35485644	-0.040433007	0.383328657

SYCN	pink	-0.094993773	0.040172235	-0.085245768	0.065681489
SYNPO2I	pink	-0.106142985	0.021784402	-0.086282139	0.062455033
TAAR5	pink	-0.020955105	0.651499791	-0.009161148	0.843477234
TAF1L	pink	-0.019514101	0.67403756	-0.013322627	0.774000853
TARM1	pink	-0.026199392	0.572241589	-0.012944391	0.780250436
TAS1R2	pink	-0.059562142	0.198848136	-0.058229143	0.209102903
TAS2R38	pink	-0.219726601	1.63E-06	-0.217875825	2.00E-06
TBC1D21	pink	-0.06476533	0.162321243	-0.051217424	0.269343032
TCP10	pink	-0.031295266	0.499898644	-0.02322835	0.616588473
TEX13A	pink	-0.012687323	0.784506096	-0.013722828	0.7674042
TEX37	pink	-0.005508336	0.905498749	0.002544088	0.956273141
TFDP3	pink	-0.012840649	0.781967074	-0.012321612	0.790571338
TGM4	pink	0.032818614	0.479251973	0.026285789	0.570974912
THEGL	pink	-0.140242654	0.002384922	-0.133379261	0.003882702
TISP43	pink	-0.027295229	0.556274757	-0.011486096	0.804475179
TKTL2	pink	-0.144233621	0.001778555	-0.137605008	0.002883543
TMC2	pink	-0.173782038	0.000160553	-0.170562969	0.000212906
TMCO2	pink	-0.034378308	0.458602724	-0.032963951	0.477306696
TMEM20	pink	-0.019642	0.672024958	-0.000725518	0.987524343
TMEM22	pink	-0.046866462	0.312191648	-0.040640664	0.380888398
TMEM23	pink	-0.065017361	0.160689567	-0.069466374	0.133881634
TMEM95	pink	0.00426594	0.926744835	0.013744853	0.76704165
TMPRSS6	pink	-0.125548237	0.00659551	-0.134438238	0.003606513
TPRX1	pink	-0.072834618	0.115987793	-0.070313727	0.129191273
TRIM40	pink	0.011122782	0.810540658	0.011717596	0.800616408
TRIM42	pink	-0.052595431	0.256653601	-0.032515484	0.483323115
TRIM60	pink	-0.023341122	0.614878023	-0.020744729	0.65477103
TRIM67	pink	-0.042752242	0.356617619	-0.036533639	0.430903943
TRIML1	pink	0.004786758	0.917831165	0.011042727	0.811878709
TRIML2	pink	-0.057828436	0.212258922	-0.053436943	0.249111183
TRPV5	pink	-0.100204794	0.030380602	-0.095725064	0.038654799
TSGA10	pink	-0.001752877	0.969864278	0.034663192	0.454885504
TSGA13	pink	-0.007535455	0.870984216	0.004919559	0.915559904
TSPAN16	pink	-0.035882638	0.439166553	-0.031374321	0.498815727
TUBAL3	pink	0.160116193	0.000514098	0.141965037	0.002103204
TULP2	pink	-0.174498937	0.000150669	-0.173033015	0.000171527
TUSC5	pink	-0.087679303	0.058313261	-0.079676249	0.085443506
TXNDC2	pink	-0.079792968	0.084984999	-0.083373717	0.071856259
UBL4B	pink	-0.132354132	0.004168165	-0.140436682	0.002351548
UGT1A3	pink	-0.031481642	0.497347592	-0.038162273	0.410631239
UGT1A4	pink	-0.057013885	0.218779855	-0.06392336	0.167862638
UGT1A5	pink	-0.083766958	0.070521309	-0.087210462	0.059676983
UPB1	pink	-0.08029799	0.083023934	-0.060353881	0.192933436
VHLL	pink	-0.062496226	0.17757681	-0.051683947	0.264999845
VRTN	pink	-0.071000097	0.12548611	-0.072933859	0.115490485



WFDC10.pink	0.013238312	0.775392736	0.00055521	0.990452716
WFDC12 pink	-0.062489109	0.177626275	-0.068768761	0.137840784
WFDC5 pink	-0.054111844	0.243174752	-0.061361773	0.18559172
WFDC9 pink	-0.09273979	0.045169626	-0.092185849	0.04647478
WNT8A pink	-0.068222065	0.141005833	-0.065303181	0.158854116
XKR3 pink	-0.053488283	0.248656079	-0.044589361	0.336310802
XXbac-Bpink	-0.034247148	0.460319825	-0.033984998	0.463762495
XXbac-Bpink	-0.035845275	0.439643503	-0.039035465	0.399998666
ZAN pink	-0.044388292	0.338496492	-0.035197298	0.447962188
ZCCHC1pink	-0.032267479	0.486667769	-0.020926466	0.651944712
ZG16 pink	-0.074017411	0.110168794	-0.054471481	0.240052181
ZIM2 pink	-0.167558212	0.000275827	-0.168083151	0.000263711
ZNF645 pink	-0.039467971	0.394793853	-0.019733732	0.670582931
ZNF728 pink	-0.199865904	1.35E-05	-0.199606087	1.39E-05
ZNF729 pink	-0.165177263	0.000337599	-0.155342812	0.000755894
ZNRF4 pink	0.020256541	0.662387523	0.035386822	0.445519914
ZP1 pink	-0.165970459	0.000315715	-0.167525822	0.000276592
ZBP2 pink	-0.064678229	0.162888031	-0.060615364	0.19100861
ZSCAN5pink	-0.019959477	0.667039346	-0.003993285	0.931414986
ANKRD4plum1	-0.194262136	2.37E-05	-0.232267999	3.87E-07
ARFGEF1plum1	0.004744842	0.918548181	-0.032482071	0.483772998
ARMC1 plum1	-0.128386833	0.005460466	-0.170874786	0.00020721
ATP6V1Cplum1	-0.156703059	0.000678001	-0.187312182	4.64E-05
ATP6V1Fplum1	0.030640605	0.508914005	0.012582821	0.786237935
AZIN1 plum1	0.098698733	0.032974759	0.070599483	0.127638544
C8orf76 plum1	-0.062417308	0.178125913	-0.07520225	0.104572719
CHD7 plum1	-0.123832897	0.00737985	-0.147068491	0.001437539
COPS5 plum1	0.017182687	0.711119329	-0.012775118	0.783051952
CPNE3 plum1	-0.022428435	0.628780175	-0.059861811	0.196594104
DCAF13 plum1	-0.100488735	0.02991162	-0.140138986	0.002402929
DERL1 plum1	-0.240452922	1.44E-07	-0.246075195	7.18E-08
DPY19L4plum1	-0.149014584	0.00123941	-0.191995226	2.96E-05
E2F5 plum1	-0.084119674	0.069341245	-0.133745404	0.003785115
EBAG9 plum1	-0.067154021	0.147349449	-0.090104536	0.051664724
EIF3H plum1	-0.048130652	0.299304346	-0.089225804	0.053996686
EMC2 plum1	0.002800136	0.951877361	-0.032448386	0.484226787
ENY2 plum1	-0.055375732	0.232325738	-0.078477322	0.09026953
EXT1 plum1	-0.243223071	1.03E-07	-0.244761059	8.47E-08
FAM84B plum1	-0.092733217	0.045184929	-0.131422796	0.004443822
FAM91A plum1	-0.123716648	0.007435906	-0.147776142	0.001362352
FNTA plum1	-0.12870807	0.005343776	-0.168185625	0.000261405
IMPA1 plum1	-0.028919116	0.533019771	-0.069513949	0.133614857
IMPAD1 plum1	-0.062124379	0.180175102	-0.088285948	0.056587106
KIAA142plum1	-0.197729272	1.68E-05	-0.228068808	6.32E-07
LACTB2 plum1	-0.082422086	0.075172319	-0.111268302	0.016147775

LYPLA1	plum1	0.078519228	0.090097238	0.048677826	0.293837691
MED30	plum1	-0.224335755	9.71E-07	-0.26355326	7.35E-09
MRPL13	plum1	0.030335677	0.513141982	0.01437428	0.75670214
MRPS28	plum1	-0.03604329	0.437119142	-0.064298042	0.165379441
MTDH	plum1	0.055644785	0.230061127	0.029305708	0.527556662
MTERF3	plum1	-0.070450899	0.128444101	-0.108455773	0.019058384
MTFR1	plum1	0.101417711	0.028420346	0.072777957	0.116272479
NBN	plum1	-0.01541023	0.739779673	-0.04340995	0.349260735
NCOA2	plum1	-0.077721452	0.093422872	-0.115798672	0.012274481
NDUFAB1	plum1	-0.12246562	0.008063691	-0.144466154	0.001748016
NSMCE2	plum1	-0.199157364	1.45E-05	-0.234577339	2.94E-07
NUDCD1	plum1	-0.12616589	0.006331931	-0.139618484	0.002495233
OSGIN2	plum1	-0.080114485	0.083732235	-0.112571192	0.014936899
OTUD6B	plum1	-0.122809231	0.007886714	-0.159174806	0.00055518
PABPC1	plum1	0.054443957	0.240290157	0.024794142	0.593028727
PEX2	plum1	0.085436276	0.06507833	0.042645701	0.357818439
PLEKHF2	plum1	-0.015844939	0.732715294	-0.036797181	0.427584756
POLR2K	plum1	-0.109631525	0.017790221	-0.123561014	0.007511549
PTK2	plum1	-0.03192419	0.491317942	-0.065164838	0.15974053
RAB2A	plum1	-0.087647033	0.058406291	-0.0962173	0.037660975
RAD21	plum1	-0.100499619	0.029893767	-0.140100025	0.002409729
RB1CC1	plum1	-0.252994866	2.97E-08	-0.29027909	1.61E-10
RMDN1	plum1	0.034399696	0.45832306	0.006103773	0.895339145
RNF139	plum1	-0.164695304	0.00035158	-0.192737059	2.75E-05
SLC25A3	plum1	-0.127215588	0.005905588	-0.165399385	0.000331333
SQLE	plum1	-0.001806885	0.968936224	-0.050716981	0.27405587
STAU2	plum1	-0.029390669	0.526359871	-0.077536126	0.094209313
STK3	plum1	-0.150504583	0.001105058	-0.192302791	2.87E-05
TAF2	plum1	-0.065651007	0.15664187	-0.112933909	0.014614314
TATDN1	plum1	-0.212861623	3.47E-06	-0.26236204	8.63E-09
TCEA1	plum1	-0.045524944	0.326260065	-0.087619539	0.058485649
TCEB1	plum1	-0.076866697	0.09709422	-0.081433389	0.078748373
TMEM65	plum1	-0.15295873	0.000912696	-0.173185386	0.000169239
TMEM68	plum1	0.042960178	0.354281265	0.002295805	0.960536884
TMEM70	plum1	-0.022741643	0.623994219	-0.046523273	0.315752149
TPD52	plum1	0.09394996	0.042425185	0.085738348	0.064131294
TRMT12	plum1	-0.155620701	0.000739338	-0.161689535	0.000451685
UBE2V2	plum1	-0.017407933	0.707505129	-0.050485742	0.27625238
UBE2W	plum1	-0.137029644	0.003004193	-0.178656886	0.000103714
UBR5	plum1	-0.114495798	0.013294144	-0.148009124	0.0013384
UTP23	plum1	-0.190272253	3.49E-05	-0.226627491	7.46E-07
YWHAZ	plum1	-0.074671088	0.107052964	-0.093857151	0.042630559
ZBTB10	plum1	-0.152207317	0.000968027	-0.194938789	2.21E-05
ZFAND1	plum1	-0.096123136	0.037849398	-0.153154341	0.000898779
ZNF16	plum1	-0.14478507	0.001706912	-0.184352981	6.13E-05

ZNF250	plum1	-0.19301541	2.68E-05	-0.232797017	3.63E-07
ZNF572	plum1	-0.362799913	5.65E-16	-0.378718944	2.25E-17
ZNF623	plum1	-0.183817791	6.45E-05	-0.212406908	3.64E-06
ZNF7	plum1	-0.145087029	0.001668813	-0.181293207	8.15E-05
ZNF706	plum1	-0.060388128	0.192680528	-0.071967679	0.120403756
APOL1	plum2	-0.138956888	0.002617222	-0.090649348	0.050261551
APOL2	plum2	-0.077806794	0.093062491	-0.046409687	0.316936399
APOL6	plum2	-0.110596806	0.016804799	-0.078990162	0.088179095
B2M	plum2	-0.026687535	0.565102365	-0.013622174	0.769061766
BATF2	plum2	-0.051652609	0.265290078	-0.009213638	0.842592075
BTN2A2	plum2	0.023013519	0.619852621	0.035391466	0.44546016
BTN3A1	plum2	-0.048927371	0.291366862	-0.045794044	0.323405597
BTN3A2	plum2	-0.095285945	0.039560041	-0.086818906	0.060836014
BTN3A3	plum2	-0.140043339	0.002419654	-0.121397964	0.008636418
CFB	plum2	-0.256765654	1.82E-08	-0.245000884	8.22E-08
DHX58	plum2	0.012783085	0.782920046	0.045421252	0.327364317
ETV7	plum2	-0.07807341	0.091943783	-0.019872236	0.668407925
GBP3	plum2	0.092121866	0.046627551	0.104113984	0.024448287
HLA-A	plum2	-0.067141464	0.147425308	-0.035101267	0.449202556
HLA-B	plum2	-0.081332123	0.079122308	-0.049260688	0.288088348
HLA-C	plum2	-0.028647581	0.53687392	0.002213084	0.961957687
HLA-E	plum2	-0.141176072	0.002228242	-0.096122527	0.037850619
HLA-F	plum2	-0.243517391	9.89E-08	-0.203909659	8.93E-06
HLA-G	plum2	-0.037631124	0.417179926	-0.000233677	0.995981651
IDO1	plum2	0.031400599	0.498456033	0.047757682	0.303069109
IFI35	plum2	-0.147984965	0.001340865	-0.104541752	0.023864372
IFITM1	plum2	-0.132623551	0.004091359	-0.115545431	0.012467088
IFITM2	plum2	-0.110495825	0.0169056	-0.074500877	0.107857515
IFITM3	plum2	-0.276440605	1.23E-09	-0.234453884	2.98E-07
LGALS3E	plum2	-0.159418909	0.000544244	-0.151086042	0.001056372
LGALS9	plum2	0.006853741	0.882567372	0.056050137	0.226678919
MVP	plum2	-0.114651425	0.013168544	-0.063895823	0.168046236
NLRC5	plum2	-0.074418107	0.108250471	-0.034173591	0.461284368
PML	plum2	-0.128370797	0.00546635	-0.097235764	0.035673355
PSMB8	plum2	-0.06582646	0.155534829	-0.034897232	0.451844399
PSMB9	plum2	-0.07306147	0.114853468	-0.021694263	0.640059496
SECTM1	plum2	-0.017682835	0.703103068	0.027974603	0.546485949
TAP1	plum2	-0.052703462	0.255676579	-0.0347294	0.454024034
TAP2	plum2	-0.20487791	8.08E-06	-0.179916952	9.25E-05
TAPBP	plum2	-0.021284811	0.646386459	0.028384828	0.540616668
TAPBPL	plum2	-0.200609793	1.25E-05	-0.156839006	0.00067064
TRIM22	plum2	-0.099401607	0.031741452	-0.082053429	0.076489959
UBA7	plum2	-0.182481292	7.30E-05	-0.133605159	0.003822229
WARS	plum2	-0.052824775	0.254582514	-0.005450168	0.906492083
ABHD12	purple	0.123878269	0.007358074	0.149056047	0.001235476

ACADVL purple	0.244902249	8.32E-08	0.245440088	7.78E-08
ADAP1 purple	0.189055129	3.93E-05	0.217677238	2.05E-06
ADPRHL purple	-0.101875994	0.027708492	-0.080022083	0.084090735
AMOTL2 purple	-0.270131854	2.98E-09	-0.301213954	2.99E-11
ANKRD3 purple	0.10017615	0.03042826	0.114892448	0.012976088
AP4M1 purple	0.18170418	7.85E-05	0.173799462	0.000160305
APOA1B purple	0.041069304	0.375881463	0.037940667	0.413356048
ARL16 purple	-0.103450657	0.025378146	-0.088614021	0.055671403
ARPC5L purple	0.160792221	0.000486358	0.192464725	2.82E-05
ATAD3B purple	-0.064627234	0.163220563	-0.075694803	0.10231361
ATOX1 purple	0.041939655	0.365840262	0.081030362	0.080245134
ATP5E purple	-0.037636749	0.417110262	-0.012485048	0.787859202
ATP5G1 purple	0.153077872	0.000904196	0.161697171	0.0004514
ATP5H purple	0.080860656	0.080882239	0.088908015	0.054861307
ATP5I purple	-0.003061244	0.947396203	0.018212586	0.694648114
ATP5J2 purple	0.130680818	0.004675103	0.155202245	0.000764399
ATP5L purple	0.050934537	0.272000222	0.061063762	0.187740729
ATP5O purple	-0.034906752	0.45172095	-0.031018966	0.503693248
ATPIF1 purple	0.303485203	2.09E-11	0.333509156	1.35E-13
AURKA purple	0.064811119	0.162023875	0.089105051	0.054323877
BABAM1 purple	-0.112021086	0.015438073	-0.095753005	0.038597797
BAD purple	0.088720453	0.05537699	0.103406771	0.025440728
BAX purple	0.250347233	4.18E-08	0.256916865	1.78E-08
BCAT2 purple	0.045514586	0.326370257	0.081178042	0.079694027
BCS1L purple	-0.037450177	0.419424817	-0.035771077	0.44059154
BNIP1 purple	0.188894819	3.99E-05	0.202219578	1.06E-05
BRAT1 purple	0.160169317	0.000511866	0.180095995	9.10E-05
BRF1 purple	0.137318574	0.002943044	0.136428543	0.003135126
BRICD5 purple	0.138498388	0.002704925	0.146237874	0.001530647
BRMS1 purple	0.01420973	0.759401076	0.04812464	0.299364782
BTBD6 purple	0.191457502	3.11E-05	0.208843364	5.33E-06
C11orf31 purple	0.035575362	0.443097839	0.049488829	0.285858705
C12orf45 purple	0.25301063	2.97E-08	0.257287752	1.70E-08
C14orf2 purple	0.101443158	0.028380411	0.135372891	0.003377679
C16orf13 purple	0.149891082	0.001158663	0.183106914	6.89E-05
C16orf95 purple	0.200836341	1.22E-05	0.197236556	1.76E-05
C17orf89 purple	0.08989757	0.052206264	0.107306549	0.020373352
C19orf73 purple	0.274450446	1.63E-09	0.289161038	1.91E-10
C1orf122 purple	-0.02858247	0.537800176	0.004617554	0.920725968
C1orf35 purple	0.057313528	0.216364572	0.061555268	0.18420614
C1orf50 purple	0.117769574	0.010863139	0.138514222	0.002701852
C6orf136 purple	-0.06137482	0.18549805	-0.045410096	0.327483261
C7orf26 purple	0.025729124	0.57915953	0.044495071	0.337334637
C7orf50 purple	0.06867575	0.138375378	0.098162225	0.033943458
C9orf142 purple	0.209511758	4.97E-06	0.221363857	1.36E-06

CARHSP purple	0.08812212	0.057049034	0.115647823	0.012388893
CARS2 purple	0.291689932	1.30E-10	0.293284018	1.02E-10
CC2D1A purple	0.056168608	0.225697124	0.044736095	0.334721484
CCDC137purple	0.042934277	0.354571768	0.033911625	0.464728615
CCDC167purple	0.089432009	0.053441744	0.111021535	0.016386561
CCHCR1 purple	-0.038915816	0.401445757	-0.018656204	0.687596812
CDK5 purple	0.248207957	5.49E-08	0.25440992	2.47E-08
CDKN2A purple	0.054350697	0.241097739	0.043156895	0.352079877
CDKN2D purple	-0.025414719	0.583806351	-0.007720634	0.867842446
CENPT purple	0.085403745	0.065181001	0.09204958	0.046800653
CHCHD1 purple	0.261930971	9.15E-09	0.275392018	1.42E-09
CHCHD6 purple	-0.052267503	0.259635151	-0.063026217	0.173921696
CHMP2A purple	0.198680646	1.52E-05	0.239204215	1.68E-07
CINP purple	0.141655945	0.002151405	0.16963325	0.000230772
CISD3 purple	0.04923258	0.288363856	0.065572925	0.157136453
CITED4 purple	0.386386525	4.46E-18	0.383937183	7.51E-18
CLN3 purple	0.198849619	1.50E-05	0.203960687	8.89E-06
CLN6 purple	0.298866782	4.32E-11	0.302717069	2.36E-11
CLTA purple	0.115492639	0.012507574	0.13883837	0.00263964
COA3 purple	0.217533442	2.08E-06	0.244613499	8.63E-08
COA4 purple	0.104891285	0.023396238	0.112675398	0.014843589
COASY purple	0.323332802	7.96E-13	0.354358716	2.91E-15
COMMD purple	0.019668496	0.671608318	0.048224912	0.298357833
COMMD' purple	0.222821043	1.15E-06	0.23178755	4.09E-07
COMMD' purple	-0.059718665	0.197668469	-0.067315716	0.14637534
COMMD' purple	0.210677625	4.39E-06	0.223207034	1.10E-06
COPRS purple	0.160919338	0.0004813	0.189321561	3.83E-05
COX14 purple	0.030150392	0.51571992	0.062302905	0.17892415
COX5B purple	0.026308695	0.5706393	0.062306293	0.178900472
COX6A1 purple	0.178599098	0.00010426	0.206541199	6.79E-06
COX6B1 purple	0.003691679	0.936583766	0.033536183	0.469689592
COX7A2 purple	0.156196765	0.000706081	0.193842334	2.47E-05
COX7B purple	0.014900261	0.748095008	0.054719368	0.237916353
COX7C purple	0.138365738	0.002730793	0.146460851	0.001505123
CRACR2]purple	0.335777782	9.04E-14	0.337712143	6.39E-14
CRIP1 purple	0.161281383	0.000467161	0.192575348	2.79E-05
CSNK2B purple	-0.106470112	0.021379376	-0.095021532	0.040113729
CTB-55O purple	0.208506011	5.52E-06	0.214737569	2.83E-06
DDX51 purple	-0.036440792	0.432076847	-0.055860498	0.22825682
DDX56 purple	0.063337882	0.171798607	0.054680886	0.238247039
DNTTIP1 purple	-0.131670343	0.00436899	-0.112401403	0.015090038
DPH7 purple	0.031580123	0.49600241	0.034244196	0.460358506
DPM2 purple	0.216076146	2.44E-06	0.237495828	2.07E-07
DXO purple	-0.100968493	0.029133304	-0.093287223	0.043910202
ECHS1 purple	0.24527431	7.94E-08	0.273268077	1.92E-09

ECI1	purple	0.261035138	1.03E-08	0.288163601	2.21E-10
EDF1	purple	0.135452304	0.003358857	0.152501828	0.000945982
EIF3I	purple	0.136547005	0.003108919	0.154775104	0.000790789
EIF4E2	purple	0.209297148	5.08E-06	0.204199303	8.67E-06
EIF5A	purple	0.237738036	2.01E-07	0.245261917	7.95E-08
ELP6	purple	0.2051562	7.85E-06	0.208610553	5.46E-06
ENDOG	purple	0.272176228	2.24E-09	0.295049255	7.80E-11
ENO3	purple	0.09268985	0.045286013	0.087215338	0.059662665
ENTHD2	purple	-0.035864891	0.439393056	-0.041070119	0.375871984
EPC2	purple	-0.234287006	3.04E-07	-0.257942294	1.56E-08
EXOSC5	purple	-0.076163323	0.100200822	-0.084181397	0.069136413
EXOSC7	purple	0.060141563	0.19450677	0.078170739	0.09153809
FAAH	purple	0.294964874	7.91E-11	0.311501907	5.75E-12
FAM162A	purple	0.163758265	0.000380318	0.169758899	0.000228278
FAM173A	purple	0.171188195	0.000201629	0.203912582	8.93E-06
FAM195A	purple	0.204464194	8.44E-06	0.245776659	7.46E-08
FAM50A	purple	0.136985516	0.003013633	0.140907588	0.002272316
FAM73B	purple	0.021496043	0.643119226	0.018475197	0.690470691
FDX1L	purple	-0.050211443	0.278873391	-0.042418702	0.360385394
FKBPL	purple	-0.103867914	0.024789739	-0.092590946	0.045517258
FUOM	purple	-0.182109271	7.56E-05	-0.160059535	0.000516488
GADD45A	purple	0.012134693	0.793676262	0.02591886	0.576363683
GCAT	purple	0.166082338	0.000312737	0.192657076	2.77E-05
GEMIN7	purple	-0.036150031	0.435761828	-0.030022029	0.517509808
GGA1	purple	0.199717228	1.37E-05	0.198926731	1.49E-05
GPATCH	purple	-0.101874125	0.027711364	-0.092283083	0.046243421
GSTZ1	purple	0.255310763	2.20E-08	0.268984904	3.50E-09
GTF3A	purple	0.05451469	0.239678917	0.070259857	0.129485621
HDGFRP	purple	0.131187351	0.004516067	0.130439557	0.004752613
HDHD3	purple	0.367513681	2.22E-16	0.376751814	3.38E-17
HEBP2	purple	0.240060105	1.51E-07	0.265376532	5.74E-09
HES4	purple	0.194688583	2.27E-05	0.230501499	4.76E-07
HGSNAT	purple	-0.084860423	0.066915557	-0.135421584	0.003366126
HIGD2A	purple	0.065486299	0.157686527	0.07909475	0.087757589
HINT2	purple	0.135324446	0.003389208	0.152973087	0.000911668
HSD17B1	purple	0.055718208	0.229445861	0.084527453	0.067997157
ICT1	purple	0.166184779	0.000310033	0.16642043	0.000303896
IGF1R	purple	-0.17963717	9.49E-05	-0.215164365	2.70E-06
IMP3	purple	0.209153031	5.16E-06	0.22527823	8.72E-07
IPO4	purple	-0.094982743	0.040195505	-0.090582279	0.050432552
JMJD4	purple	0.052035299	0.261760781	0.053059223	0.252477336
JSRP1	purple	0.335551158	9.41E-14	0.358449394	1.32E-15
KAT2A	purple	0.068227445	0.140974414	0.041261633	0.373648099
KIRREL	purple	-0.388677245	2.73E-18	-0.388808857	2.65E-18
LAGE3	purple	0.046484332	0.316157814	0.056574711	0.222354625

LAMTOR	purple	0.280885279	6.47E-10	0.285184052	3.45E-10
LAS1L	purple	-0.049820579	0.282637263	-0.048491133	0.295695329
9-Mar	purple	0.180876589	8.47E-05	0.209186377	5.14E-06
MBD5	purple	-0.155374458	0.000753991	-0.181898763	7.71E-05
MCRS1	purple	0.058261554	0.208849119	0.057283595	0.216604982
MEA1	purple	-0.022281391	0.631032475	0.000184579	0.996825955
MED11	purple	0.334166517	1.20E-13	0.354783951	2.68E-15
MED19	purple	0.081299318	0.079243753	0.075290969	0.104162919
MED27	purple	0.081971729	0.076784493	0.109639857	0.017781503
MEF2A	purple	-0.091686496	0.047678295	-0.117503812	0.011044654
MEF2BN	purple	-0.054495648	0.239843359	-0.035355639	0.445921224
MESP1	purple	0.220112276	1.56E-06	0.252439728	3.19E-08
METTL1	purple	-0.088834389	0.055063257	-0.094422091	0.041393284
MMAB	purple	0.038438486	0.407249924	0.044489772	0.337392235
MPDU1	purple	0.359695099	1.04E-15	0.385111031	5.86E-18
MPV17L	purple	0.060895351	0.188963233	0.086970389	0.060385428
MRPL12	purple	-0.014387117	0.756491718	-0.011555983	0.803309764
MRPL14	purple	0.059290615	0.200906698	0.083549224	0.071257931
MRPL16	purple	0.193106184	2.65E-05	0.193090407	2.66E-05
MRPL20	purple	0.055710596	0.229509596	0.083131069	0.072690233
MRPL21	purple	-0.063536205	0.170457714	-0.046437302	0.316648212
MRPL22	purple	0.148073537	0.001331847	0.166908755	0.000291537
MRPL23	purple	0.257826237	1.58E-08	0.276328612	1.25E-09
MRPL24	purple	0.200953219	1.21E-05	0.180704461	8.60E-05
MRPL27	purple	0.119589163	0.009689802	0.146363449	0.001516224
MRPL34	purple	0.010233992	0.825426082	0.017098068	0.712478762
MRPL36	purple	-0.04988255	0.282038235	-0.027687114	0.550617863
MRPL41	purple	0.250168448	4.28E-08	0.284777421	3.66E-10
MRPL52	purple	0.079856083	0.084737893	0.093029645	0.044499055
MRPL53	purple	0.060446202	0.192252224	0.050974098	0.271627544
MRPL57	purple	0.298429047	4.63E-11	0.31988631	1.43E-12
MRPS15	purple	0.13301926	0.003980869	0.145917728	0.001567988
MRPS25	purple	0.021832262	0.637932936	0.019215084	0.678751893
MRPS5	purple	-0.152488645	0.000946958	-0.151451824	0.001026767
MSN	purple	-0.215003688	2.75E-06	-0.197797039	1.67E-05
MTG2	purple	-0.110039437	0.017367803	-0.121434031	0.008616493
MTMR14	purple	0.016304819	0.725266384	0.023513784	0.61226325
MUTYH	purple	0.004211996	0.927668623	0.002134787	0.963302643
MVK	purple	0.167422315	0.000279048	0.171740294	0.000192138
MYEOV2	purple	0.111501139	0.015925271	0.135439515	0.003361881
MYL6B	purple	0.004220993	0.927514534	-0.00628952	0.892173267
NAA10	purple	0.05489046	0.236450022	0.075884762	0.10145277
NAA38	purple	0.194461075	2.32E-05	0.221786129	1.30E-06
NABP2	purple	0.052565477	0.256924955	0.067331513	0.146280433
NANS	purple	0.385601117	5.28E-18	0.418245017	3.36E-21

NAT9	purple	0.011804451	0.799169896	-0.009023987	0.845791174
NDUFA1	purple	0.011286857	0.807800028	0.030668441	0.508528954
NDUFA1	purple	0.156567022	0.000685443	0.180784771	8.54E-05
NDUFA1	purple	0.087075263	0.060075098	0.116373549	0.011846971
NDUFA2	purple	0.18150488	7.99E-05	0.205104314	7.89E-06
NDUFA3	purple	0.13366532	0.003806268	0.168212339	0.000260806
NDUFA6	purple	0.335608043	9.31E-14	0.359807757	1.02E-15
NDUFA8	purple	0.186763276	4.89E-05	0.206142475	7.08E-06
NDUFA9	purple	0.004719207	0.918986717	0.033728808	0.467140665
NDUFB1	purple	0.019443955	0.675142355	0.055205825	0.23376393
NDUFB2	purple	0.073714725	0.111635569	0.094364212	0.041518633
NDUFB4	purple	0.186789058	4.88E-05	0.203789524	9.05E-06
NDUFB7	purple	-0.049513544	0.285617865	-0.030095756	0.516481371
NDUFB9	purple	-0.131146518	0.004528704	-0.137533171	0.002898362
NDUFC1	purple	0.272887762	2.03E-09	0.292068942	1.23E-10
NDUFS5	purple	0.194087862	2.41E-05	0.218506047	1.87E-06
NDUFS6	purple	-0.032521044	0.483248266	0.002510577	0.956848543
NDUFS8	purple	0.130865826	0.004616439	0.15920294	0.000553909
NDUFV3	purple	0.157567513	0.000632438	0.183452562	6.67E-05
NELFE	purple	-0.125801809	0.006486132	-0.118903735	0.010117874
NME1	purple	0.166312236	0.000306699	0.169334767	0.000236799
NOL12	purple	0.06864944	0.138526884	0.062140942	0.180058769
NOP10	purple	0.323324511	7.97E-13	0.342575857	2.64E-14
NOP16	purple	0.037651103	0.416932499	0.038489358	0.406628972
NPRL2	purple	0.164253367	0.000364871	0.170530877	0.000213501
NSUN5	purple	-0.013068687	0.778195117	0.008754376	0.850343403
NTN4	purple	-0.208078476	5.78E-06	-0.212619812	3.56E-06
NUDC	purple	0.100866777	0.029296852	0.121732965	0.008452928
NUDT1	purple	0.02712511	0.558739194	0.062407585	0.178193652
OSMR	purple	-0.096989849	0.036144923	-0.082549169	0.074722407
PAM16	purple	-0.006495449	0.888665408	-0.025042312	0.589332703
PANO1	purple	0.196183944	1.96E-05	0.229794487	5.17E-07
PARK7	purple	0.164530965	0.000356469	0.160652516	0.000491974
PDAP1	purple	0.027256082	0.556841388	0.031107331	0.502478027
PDZD11	purple	0.090836035	0.049788119	0.087012425	0.060260884
PELP1	purple	0.075639772	0.102564077	0.075166701	0.104737281
PFDN6	purple	-0.064368218	0.164917434	-0.057385801	0.215784884
PHPT1	purple	0.270493582	2.84E-09	0.289763671	1.74E-10
PICK1	purple	0.118603069	0.010310888	0.131929712	0.004291808
PIDD1	purple	0.295568642	7.21E-11	0.295902163	6.84E-11
PIGU	purple	-0.068933702	0.136896676	-0.073685935	0.111775878
PIN4	purple	-0.029044708	0.531241852	-0.014287821	0.758119868
PMF1	purple	0.112426006	0.015067763	0.10341037	0.025435591
PMPCA	purple	0.188074719	4.31E-05	0.204090998	8.77E-06
PMVK	purple	0.256571274	1.86E-08	0.248644825	5.19E-08



POLE4	purple	-0.017032435	0.713533801	-0.006829421	0.882981088
POLR1C	purple	-0.126105758	0.00635717	-0.113783235	0.013882803
POLR2J	purple	0.058684242	0.205559745	0.077442949	0.094606708
POP5	purple	0.133903494	0.003743671	0.158348716	0.000593721
POP7	purple	0.095391755	0.03934029	0.098997239	0.032446074
PPAN	purple	-0.074932788	0.105825219	-0.081230979	0.079497226
PPCDC	purple	0.247852005	5.74E-08	0.246737764	6.61E-08
PPFIA3	purple	0.307499714	1.10E-11	0.296164712	6.57E-11
PPIE	purple	-0.109508893	0.017918956	-0.09687788	0.036361386
PPP1R14l	purple	0.057170764	0.217512931	0.064606581	0.163355382
PPP1R35	purple	0.082630714	0.074434872	0.092073855	0.04674246
PPP1R7	purple	0.309706396	7.71E-12	0.343734645	2.13E-14
PRADC1	purple	0.155646887	0.000737795	0.20401207	8.84E-06
PRKRIP1	purple	-0.009914332	0.830795367	-0.03283549	0.479025878
PSMB1	purple	0.009280702	0.841461438	0.050617717	0.274997309
PSMB3	purple	0.105451958	0.022661916	0.135850034	0.003266013
PSMB6	purple	0.176958481	0.000120928	0.213701673	3.17E-06
PSMB7	purple	0.120180595	0.009333447	0.144386985	0.001758359
PSMC4	purple	-0.04984315	0.282418982	-0.024869647	0.591903107
PSMC5	purple	0.067547356	0.144988415	0.088672387	0.05550979
PSMD13	purple	0.111907877	0.015543023	0.125671763	0.006542022
PSMG3	purple	0.203907353	8.94E-06	0.235679191	2.57E-07
PTPMT1	purple	0.214236749	2.99E-06	0.212545779	3.59E-06
PTRH2	purple	0.040784891	0.379199155	0.035845252	0.439643799
QPCTL	purple	0.124196633	0.007206886	0.131611499	0.004386674
RAB26	purple	0.176793685	0.000122734	0.202237306	1.06E-05
RABEP2	purple	0.185994	5.26E-05	0.200477532	1.27E-05
RABL6	purple	0.275788654	1.35E-09	0.284631619	3.74E-10
RAD9A	purple	-0.110221308	0.017182307	-0.101997693	0.027522052
RASSF7	purple	0.186877287	4.83E-05	0.211433971	4.04E-06
RBMS2	purple	-0.16754272	0.000276193	-0.18673474	4.90E-05
RBX1	purple	0.185031787	5.75E-05	0.196680876	1.86E-05
REXO4	purple	0.027776449	0.549332266	0.026926634	0.561621108
RHBDL1	purple	0.194178587	2.39E-05	0.208582477	5.48E-06
RHOT2	purple	0.162408351	0.000425583	0.177909466	0.000110984
RNF181	purple	0.009080242	0.844841975	0.056381004	0.22394453
RNMTL1	purple	0.226658582	7.44E-07	0.239766049	1.57E-07
ROMO1	purple	0.041524847	0.370604896	0.078751217	0.089148189
RP1-37E1	purple	0.004984309	0.914452751	0.006296795	0.892049311
RP9	purple	-0.061403247	0.185294089	-0.068588564	0.138877932
RPL26L1	purple	0.13076281	0.004649022	0.149714209	0.001174556
RPP21	purple	-0.011897181	0.797626297	-0.00996054	0.830018714
RPP25	purple	0.001796168	0.969120391	0.011434781	0.805331179
RPS19BP	purple	0.145826985	0.001578723	0.158170156	0.000602371
RPUSD2	purple	0.18769748	4.47E-05	0.198862907	1.50E-05

RPUSD3	purple	0.106193488	0.021721442	0.099957744	0.030793759
RRP1	purple	-0.090941417	0.049522524	-0.094522472	0.04117664
SAP18	purple	0.211512109	4.01E-06	0.215848749	2.51E-06
SDHAF1	purple	-0.041074945	0.37581584	-0.033250197	0.473488015
SDHAF2	purple	0.035156475	0.448489237	0.072789265	0.11621562
SEC61B	purple	0.335279239	9.88E-14	0.350056185	6.57E-15
SERF2	purple	0.241101804	1.33E-07	0.271719759	2.39E-09
SHFM1	purple	0.09982182	0.031023118	0.122397133	0.008099386
SLIRP	purple	0.065032227	0.160593705	0.083053372	0.072958938
SMAD3	purple	-0.277547795	1.05E-09	-0.298602023	4.51E-11
SMG9	purple	0.239013588	1.72E-07	0.236676724	2.28E-07
SMIM4	purple	0.127523155	0.005785649	0.161402757	0.000462508
SMUG1	purple	-0.034493281	0.457100504	-0.042214006	0.362709995
SNF8	purple	0.048680155	0.293814562	0.073401101	0.113171502
SNRPD2	purple	-0.040195225	0.386134605	-0.029907947	0.519103257
SNRPF	purple	0.101401334	0.028446073	0.116487779	0.011763608
SOD1	purple	-0.00167695	0.971169049	0.025264301	0.586035591
SRA1	purple	0.270531056	2.82E-09	0.294541831	8.44E-11
SS18L2	purple	0.12376331	0.00741336	0.124211231	0.007200021
SSNA1	purple	0.231205398	4.38E-07	0.255081355	2.27E-08
SSR2	purple	0.274599208	1.59E-09	0.248927202	5.01E-08
SSSCA1	purple	-0.029579083	0.523710738	0.002641557	0.95459965
SSU72	purple	0.062463743	0.177802672	0.08390378	0.070061615
STX10	purple	0.047014254	0.310666497	0.069068288	0.136130004
STYXL1	purple	0.017679968	0.703148938	0.049909969	0.281773459
SURF1	purple	0.210315759	4.56E-06	0.234811144	2.86E-07
SURF2	purple	0.104143049	0.024408225	0.116558793	0.011712045
SURF6	purple	0.109097744	0.018356521	0.083084763	0.072850281
TACO1	purple	-0.016116986	0.728305731	0.002664095	0.954212714
TAF10	purple	0.176732106	0.000123416	0.222807107	1.15E-06
TCEB2	purple	0.073873078	0.110866306	0.116367741	0.011851223
TFPT	purple	0.115160476	0.012764984	0.143920162	0.001820497
TIMM17F	purple	-0.036596806	0.430107032	0.006849234	0.882644043
TIMM22	purple	0.113029332	0.014530473	0.124628707	0.007006146
TIMM44	purple	0.112153863	0.015315774	0.110359555	0.017042466
TIMM50	purple	-0.094397235	0.041447075	-0.083521347	0.071352695
TIMM8B	purple	0.174974124	0.000144435	0.204867708	8.09E-06
TMEM13	purple	0.230501766	4.76E-07	0.241658415	1.24E-07
TMEM22	purple	-0.087907912	0.057657723	-0.085220062	0.065763225
TMEM25	purple	0.227616515	6.66E-07	0.243321325	1.01E-07
TMEM52	purple	0.105557948	0.022525366	0.079543065	0.085969124
TRAPPC2	purple	0.004141582	0.9288746	0.023400935	0.613971668
TRMT2A	purple	0.111596445	0.015834972	0.110240396	0.01716294
TRNAU1	purple	0.128344902	0.005475865	0.159188593	0.000554557
TSEN54	purple	0.003412074	0.941377883	9.59E-05	0.99835075

TSR3	purple	-0.01120842	0.809109906	0.021138048	0.648660538
TUBB4B	purple	0.241320907	1.30E-07	0.267591819	4.24E-09
TUSC2	purple	0.011738105	0.800274783	0.03895008	0.401031024
TUT1	purple	-0.016643399	0.719798689	-0.020793299	0.654015202
TXN	purple	0.289147082	1.91E-10	0.300658332	3.27E-11
TXNDC1	purple	0.328777558	3.11E-13	0.36218845	6.37E-16
UBE2F	purple	0.020034719	0.665859892	0.040420748	0.383473012
UBE2J2	purple	-0.10551073	0.02258611	-0.096527557	0.037045767
UBL5	purple	0.03386219	0.465380174	0.0537229	0.246583688
UBL7	purple	0.144430563	0.001752659	0.15557215	0.000742206
UCHL3	purple	0.166213192	0.000309287	0.183074691	6.91E-05
UCK1	purple	0.217065054	2.19E-06	0.233458816	3.36E-07
UQCC2	purple	-0.010117983	0.827373744	0.007906169	0.864696723
UQCC3	purple	0.073427994	0.113039149	0.077651341	0.093719772
UQCRQ	purple	0.297764113	5.13E-11	0.32915527	2.91E-13
URM1	purple	0.186884687	4.83E-05	0.209096956	5.19E-06
UROS	purple	0.08791479	0.057638096	0.105510833	0.022585977
VAR52	purple	0.164678395	0.00035208	0.172002352	0.000187781
VPS25	purple	0.236096208	2.45E-07	0.260300856	1.14E-08
WBSCR2	purple	0.013407921	0.772593537	0.022018399	0.635069266
WDR34	purple	0.35522646	2.46E-15	0.381220164	1.33E-17
WDR46	purple	-0.119180198	0.009943235	-0.106316091	0.021569252
WDR74	purple	-0.176747338	0.000123247	-0.181184131	8.23E-05
WIBG	purple	0.127598557	0.005756581	0.122536922	0.008026679
WRAP53	purple	0.186469554	5.03E-05	0.200810064	1.23E-05
ZBTB38	purple	-0.147359831	0.001406134	-0.168100599	0.000263317
ZBTB80	purple	0.091015876	0.04933558	0.116736087	0.011584184
ZFYVE15	purple	0.338859734	5.19E-14	0.335628651	9.28E-14
ZMYND1	purple	0.12743294	0.0058206	0.137729372	0.002858051
ZNF296	purple	0.006304825	0.891912486	0.031327504	0.499456883
ZNF316	purple	-0.023427443	0.613570184	-0.017965829	0.698581773
ZNF593	purple	0.092597293	0.045502387	0.095618638	0.038872569
ZNHIT1	purple	0.088210454	0.056799581	0.113066268	0.014498133
A4GNT	red	-0.089120547	0.054281799	-0.077147066	0.095877514
AADACL	red	-0.07144156	0.123146969	-0.05853356	0.206728026
ABCA12	red	0.109661796	0.017758568	0.103275461	0.025628773
ABCA13	red	-0.104928632	0.023346693	-0.112702806	0.014819131
ABRA	red	-0.131338057	0.004469702	-0.132342204	0.004171596
AC00504	red	-0.092314662	0.04616849	-0.090032654	0.051852275
AC00547	red	-0.057342033	0.216135806	-0.044104927	0.341592158
AC00548	red	-0.066342606	0.152312462	-0.066705457	0.150077634
AC00611	red	-0.120270791	0.009280138	-0.112749802	0.014777277
AC00704	red	-0.081305501	0.079220852	-0.062836145	0.175226045
AC00755	red	-0.063944345	0.16772283	-0.046543497	0.315541594
AC00790	red	-0.083241792	0.072308707	-0.075870896	0.101515412

AC00807:red	-0.068629179	0.138643643	-0.056764942	0.220801102
AC00864:red	-0.013094179	0.777773777	-0.018700648	0.686891842
AC00949:red	-0.025120781	0.588166263	-0.025744184	0.578937382
AC01028:red	-0.06480055	0.162092479	-0.04899282	0.290721134
AC01064:red	-0.167041056	0.000288271	-0.171299888	0.000199674
AC01138:red	-0.02917915	0.529341969	-0.012310035	0.790763549
AC01236:red	-0.100289325	0.030240329	-0.079962033	0.084324381
AC01328:red	-0.074118514	0.109682259	-0.061581051	0.184022085
AC01654:red	-0.081015381	0.080301211	-0.064035006	0.167119806
AC01657:red	-0.054617191	0.238795098	-0.037429634	0.419680124
AC01673:red	-0.01200543	0.795825378	-0.000982926	0.983098654
AC01702:red	-0.103184978	0.025759046	-0.108637725	0.018857121
AC01886:red	0.022966074	0.620574504	0.03444485	0.457732962
AC01890:red	-0.048364109	0.29696373	-0.032611126	0.482036594
AC02281:red	-0.080092173	0.083818691	-0.067576841	0.144812599
AC02644:red	-0.080771579	0.081218287	-0.057833281	0.212220558
AC06395:red	-0.003374191	0.942027592	-0.011078332	0.811283533
AC06906:red	-0.090206685	0.051399178	-0.082875983	0.073575453
AC06906:red	-0.080731123	0.081371282	-0.070979564	0.125595737
AC06936:red	-0.187405575	4.60E-05	-0.179703866	9.43E-05
AC06949:red	-0.114704407	0.013126023	-0.098643669	0.033073082
AC07313:red	-0.020063772	0.665404691	-0.014844182	0.749011228
AC08739:red	-0.027163314	0.558185301	-0.020698499	0.65549077
AC09215:red	-0.133708586	0.003794827	-0.118807651	0.010179204
AC09283:red	-0.261842692	9.26E-09	-0.276361461	1.24E-09
AC09288:red	-0.076691907	0.097858957	-0.066560389	0.150968106
AC10082:red	-0.027270255	0.556636215	-0.029102837	0.530419975
AC10465:red	-0.076956008	0.096705312	-0.052519376	0.257342975
AC10500:red	-0.069036898	0.136308519	-0.093210036	0.044085969
AC10708:red	-0.063827461	0.168502671	-0.048988421	0.290764504
AC11060:red	-0.04384381	0.344460713	-0.030239473	0.514479668
AC12431:red	-0.103974625	0.024641162	-0.095271392	0.039590346
AC23165:red	-0.0779538	0.092444322	-0.051063124	0.27079018
AC24298:red	-0.108771508	0.018710322	-0.104977084	0.023282549
ACAD11:red	-0.087548441	0.058691278	-0.10424746	0.024264777
ACKR2:red	-0.046244218	0.318666784	-0.020500199	0.658581672
ACMSD:red	-0.106735086	0.021056111	-0.103885811	0.024764767
ACPT:red	-0.067431072	0.145683398	-0.070082301	0.130459477
ACRV1:red	-0.120034113	0.009420603	-0.123638228	0.007473935
ACSM6:red	-0.101420941	0.028415274	-0.096196254	0.037703019
ACTR3C:red	-0.011900505	0.797570991	-0.021176595	0.648062931
ADAM20:red	-0.095217195	0.03970338	-0.094758545	0.040670919
ADAM32:red	-0.138025477	0.00279818	-0.141658479	0.002151006
ADCY10:red	0.036907579	0.426198767	0.03648022	0.431578537
ADH1A:red	-0.067583925	0.144770384	-0.059034432	0.202863101

ADH4 red	0.175532967	0.000137414	0.180899245	8.45E-05
ADORA2red	-0.012885466	0.781225342	0.005923531	0.898412779
AGAP5 red	0.068730886	0.138058286	0.069311068	0.134755363
AGBL3 red	-0.136216806	0.003182467	-0.137873342	0.002828797
AGBL4 red	-0.291292077	1.38E-10	-0.284735363	3.68E-10
AL02380(red	-0.207403458	6.21E-06	-0.19865805	1.53E-05
AL04979red	-0.058468266	0.207235758	-0.044958732	0.332319265
AL04987red	-0.060672413	0.190590538	-0.063353638	0.17169179
AL10965red	0.0465842	0.315118113	0.024890045	0.591599188
AL13716red	-0.07597696	0.101037034	-0.05695507	0.219256194
AL13870(red	0.031347412	0.499184194	0.016273353	0.725775243
AL13875red	0.005291371	0.90920463	-0.002237374	0.961540471
AL13933red	-0.062459103	0.177834953	-0.061359034	0.185611386
AL35613red	-0.005475668	0.906056596	-0.011071184	0.811403008
AL35658red	-0.026071896	0.574113262	-0.015803893	0.733381378
AL36520red	-0.100972531	0.029126826	-0.093298661	0.043884206
AL44518red	-0.034191015	0.461055789	-0.024978738	0.590278507
AL59622(red	-0.011786192	0.799473931	0.002080163	0.964241001
AMZ1 red	-0.175093765	0.000142904	-0.174040291	0.000156924
ANGPTLred	-0.09387483	0.042591375	-0.081787187	0.077453175
ANGPTLred	-0.093572698	0.043265251	-0.087556978	0.058666556
ANKAR red	-0.164302704	0.000363365	-0.16090185	0.000481993
ANKHD1red	0.004386795	0.924675578	0.015377382	0.740314369
ANKHD1red	0.251140464	3.78E-08	0.24912482	4.88E-08
ANKRD2red	-0.062585853	0.176954719	-0.06168193	0.183303277
ANKRD3red	-0.249573055	4.61E-08	-0.243514625	9.89E-08
ANKRD3red	-0.109234642	0.018209803	-0.107667469	0.01995213
ANKRD3red	-0.078040365	0.092081853	-0.082333056	0.075488823
ANKRD3red	-0.082729914	0.074086296	-0.074359905	0.108527462
ANKRD5red	-0.076652193	0.098033378	-0.077114	0.096020374
ANKRD6red	-0.088865139	0.054978836	-0.076310018	0.099546478
ANKRD6red	-0.127467594	0.005807152	-0.124711518	0.006968249
ANXA10 red	-0.042845889	0.355564219	-0.030450692	0.511545095
AP00086(red	-0.13599817	0.003232033	-0.141821966	0.002125391
APLF red	-0.214853141	2.79E-06	-0.239721756	1.58E-07
APOBECred	-0.07742279	0.094692862	-0.079350389	0.086734139
ARG1 red	-0.06252085	0.177405732	-0.060500033	0.191855842
ARHGAPred	-0.128598962	0.005383156	-0.123362637	0.007608965
ARHGAPred	0.066529869	0.151155963	0.032075456	0.489265976
ARHGDLred	0.129611261	0.005027624	0.130230823	0.004820607
ARL13A red	-0.065379039	0.158369643	-0.059477939	0.199484862
ARL17A red	-0.037699371	0.416335074	-0.038322235	0.408671005
ARL17B red	-0.055943391	0.22756615	-0.08002363	0.084084724
ASB14 red	-0.02892988	0.532867271	-0.024510192	0.597270577
ASPDH red	-0.13615602	0.003196178	-0.124329364	0.007144679

ASZ1	red	-0.084841314	0.066977244	-0.08515087	0.065983651
ATP2A1	red	-0.017759748	0.701873214	-0.016029238	0.729727058
ATP5L2	red	-0.030116536	0.516191702	-0.007570204	0.870394501
ATRIP	red	-0.021558732	0.642150904	-0.045724123	0.324145715
B3GALT2	red	-0.045960427	0.321648836	-0.031104014	0.50252362
B3GAT2	red	-0.161632758	0.000453809	-0.138861102	0.002635327
BBS1	red	-0.138241905	0.002755145	-0.157546302	0.000633521
BCL7B	red	0.00913989	0.843835766	0.024109705	0.60327661
BLID	red	-0.089253043	0.053923108	-0.082538348	0.074760629
BOD1L2	red	-0.038251631	0.409535533	-0.034657916	0.454954197
BOLL	red	-0.078369214	0.090715236	-0.05987884	0.196466575
BTBD18	red	-0.095132425	0.039880723	-0.07873667	0.089207464
BTBD8	red	-0.098657637	0.033048117	-0.108251478	0.01928659
C10orf11	red	-0.083046809	0.072981672	-0.074077081	0.109881441
C10orf13	red	-0.050773909	0.273516944	-0.051724669	0.264623028
C11orf42	red	-0.015314002	0.74134644	-0.018840659	0.68467281
C11orf65	red	-0.03762982	0.417196087	-0.032155462	0.488182534
C11orf68	red	-0.080036505	0.084034701	-0.074141383	0.109572443
C12orf40	red	-0.062802966	0.175454473	-0.055376922	0.232315687
C12orf71	red	-0.067032138	0.14808698	-0.05704035	0.218565762
C12orf79	red	-0.000340916	0.994137582	0.00854438	0.853892543
C14orf18	red	-0.064282472	0.165482079	-0.055906769	0.227871104
C14orf39	red	-0.14359916	0.001864385	-0.147207826	0.00142244
C17orf78	red	-0.07359641	0.112213064	-0.062710269	0.176093847
C18orf63	red	-0.112623644	0.014889867	-0.102169336	0.027260932
C19orf67	red	-0.023517857	0.612201629	-0.02148278	0.643324163
C1orf100	red	0.045954821	0.321707929	0.055544668	0.230901977
C1orf105	red	-0.035462356	0.444548658	-0.034492796	0.457106826
C1orf111	red	-0.048436254	0.296242882	-0.053155215	0.251618902
C1orf146	red	-0.102656616	0.026531216	-0.10530537	0.022851951
C1orf195	red	-0.107581471	0.020051803	-0.097784197	0.034640485
C1QTNF3	red	-0.085076338	0.066221766	-0.078913613	0.088488631
C20orf14	red	-0.045516233	0.326352737	-0.032939071	0.477639396
C3orf30	red	-0.149771857	0.001169354	-0.132037025	0.004260236
C3orf49	red	-0.088082561	0.05716104	-0.080866195	0.080861382
C4orf45	red	-0.126206663	0.006314868	-0.113700933	0.013952251
C4orf51	red	-0.141696169	0.002145076	-0.131466731	0.004430457
C6orf10	red	-0.07173441	0.121614091	-0.07339622	0.113195536
C6orf163	red	0.021724555	0.63959245	0.023118396	0.618258183
C7orf25	red	-0.148776376	0.001262233	-0.145501578	0.001617777
C8orf44-S	red	-0.107847533	0.019744829	-0.087686909	0.058291352
C9orf131	red	-0.080128349	0.083678555	-0.060120845	0.194660794
C9orf153	red	-0.095782609	0.038537481	-0.082845887	0.073680471
C9orf47	red	-0.123839699	0.007376582	-0.128986705	0.005244385
C9orf84	red	-0.048165054	0.298958668	-0.037081838	0.424016359

CA1	red	-0.103593127	0.025175898	-0.094684006	0.040830029
CACNB4	red	-0.075371045	0.103794133	-0.087345048	0.059282839
CALCR	red	-0.041992497	0.365236049	-0.032007776	0.490183501
CAPZB	red	0.109970533	0.017438535	0.130637995	0.004688777
CARD18	red	-0.14160659	0.002159195	-0.135585954	0.003327394
CAV3	red	-0.121372601	0.008650453	-0.11221549	0.0152593
CBWD3	red	-0.089074829	0.054406025	-0.090190706	0.051440641
CC2D2B	red	-0.110240607	0.017162725	-0.105283512	0.022880405
CCDC144	red	-0.069641252	0.13290303	-0.063771717	0.168875547
CCDC158	red	-0.286907715	2.67E-10	-0.287446262	2.46E-10
CCDC175	red	-0.062367304	0.178474488	-0.060980019	0.188347897
CCDC175	red	-0.037970727	0.412985817	-0.030340265	0.513078223
CCDC38	red	-0.181088412	8.30E-05	-0.181416888	8.06E-05
CCDC54	red	-0.1456575	0.001598955	-0.133603301	0.003822723
CCDC62	red	-0.01966982	0.671587511	0.010380339	0.822970616
CCDC7	red	0.141873754	0.002117335	0.138067953	0.002789686
CCDC70	red	-0.083764003	0.070531263	-0.089989102	0.051966185
CCDC73	red	-0.149110917	0.001230289	-0.138833789	0.00264051
CCDC9	red	0.047933699	0.3012885	0.040439495	0.383252267
CCR6	red	-0.050226478	0.278729298	-0.032778434	0.479790533
CCSER1	red	-0.056257455	0.224962814	-0.063898975	0.168025213
CD160	red	-0.096952059	0.036217857	-0.084633664	0.067650601
CD200R1	red	-0.062253767	0.179267823	-0.042139869	0.363554219
CDC37	red	-0.003978883	0.931661746	0.007490615	0.871745278
CDH9	red	-0.055697666	0.229617876	-0.043333499	0.350110927
CDKL3	red	-0.127417292	0.005826681	-0.119169501	0.009949941
CDKL4	red	-0.031908059	0.491537034	-0.042249139	0.362310348
CDR1	red	-0.055340248	0.232625576	-0.038474525	0.406809971
CDRT15L	red	-0.069810264	0.131962505	-0.06678731	0.149576958
CDRT4	red	-0.01861157	0.688305045	-0.018856441	0.68442285
CEACAM	red	0.014472742	0.755088592	0.011654475	0.801668068
CECR2	red	-0.244837431	8.39E-08	-0.256331477	1.92E-08
CELA2B	red	-0.185282317	5.62E-05	-0.19371468	2.50E-05
CELF6	red	-0.05249929	0.257525254	-0.048132371	0.299287067
CFHR4	red	-0.104738602	0.023599743	-0.088204327	0.056816854
CHRM5	red	-0.076965088	0.096665842	-0.075849355	0.10161279
CHRNA	red	-0.077426963	0.09467502	-0.065604867	0.156933983
CLCA1	red	-0.063312386	0.17197156	-0.048221596	0.298391091
CLDN18	red	-0.024342965	0.599775157	-0.018866274	0.684267134
CLDN20	red	-0.08169124	0.0778027	-0.070677104	0.127219275
CNPPD1	red	0.132359892	0.00416651	0.135401224	0.003370952
COL24A1	red	-0.152368835	0.000955879	-0.135480312	0.003352241
COL6A6	red	-0.282240752	5.31E-10	-0.281919331	5.57E-10
COPS7A	red	0.108637223	0.018857674	0.124421097	0.007101968
CPNE6	red	-0.139815129	0.002459987	-0.128517366	0.005412776

CREB3 red	0.174019198	0.000157217	0.206317438	6.96E-06
CRYBA1 red	-0.087205822	0.05969061	-0.095012978	0.04013175
CSMD2 red	0.018416481	0.691403886	0.012143156	0.793535625
CSMD3 red	-0.094422759	0.041391837	-0.095711158	0.038682332
CSNK1A red	0.012470423	0.78810179	0.004188329	0.928073945
CTC-454I red	-0.100304535	0.030215148	-0.095685471	0.038735692
CTC-487I red	-0.053079807	0.252293085	-0.066308702	0.152522561
CTD-211I red	-0.043892753	0.34392188	-0.030061539	0.516958548
CTD-231I red	-0.140775518	0.002294288	-0.150146915	0.001136024
CTD-237I red	-0.084057739	0.069547279	-0.079693597	0.085375233
CTD-252I red	-0.016644574	0.719779736	-0.02785436	0.548212262
CTD-322I red	-0.07102577	0.125349137	-0.059706506	0.197759927
CTDSP1 red	-0.027391659	0.554880154	-0.036230481	0.43474044
CTRL red	-0.10178426	0.027849743	-0.08235098	0.075425016
CYP19A1 red	-0.108597249	0.018901731	-0.108163167	0.019385972
CYP2A7 red	-0.110358622	0.017043407	-0.081701109	0.077766692
CYP2C19 red	-0.032623255	0.481873575	-0.037136973	0.423327213
CYP4A22 red	-0.089043065	0.054492474	-0.079209343	0.087297622
CYP7B1 red	-0.285087027	3.50E-10	-0.292474155	1.16E-10
CYP8B1 red	-0.13341541	0.003872967	-0.108631928	0.018863504
DCAF4L1 red	-0.007323197	0.874587898	0.000738789	0.98729615
DCDC2C red	-0.157906363	0.000615365	-0.140490066	0.002342441
DCLRE1C red	-0.064402864	0.164689694	-0.066507222	0.151295469
DDI1 red	-0.088059696	0.057225864	-0.082047932	0.076509746
DEFB108 red	-0.070828843	0.126402749	-0.07475089	0.106677393
DEFB113 red	0.017906904	0.699522335	0.034521399	0.456733526
DEFB134 red	0.017860873	0.700257389	0.014093742	0.761305257
DEFB135 red	-0.074483728	0.107938837	-0.070000058	0.130912471
DGKH red	-0.030258108	0.514220419	-0.041064416	0.375938328
DIRC1 red	-0.069390215	0.134309545	-0.06051629	0.191736249
DKFZp31 red	-0.044628424	0.335887233	-0.051766938	0.264232291
DLEU1 red	0.096750557	0.036608866	0.079726147	0.085247251
DLEU7 red	-0.117700295	0.0109102	-0.103163726	0.025789727
DMP1 red	-0.056983443	0.219026312	-0.049992765	0.280974967
DNAH14 red	-0.000443313	0.992376806	-0.013199274	0.776037432
DNAJB7 red	-0.123304922	0.007637518	-0.111592658	0.015838551
DNHD1 red	-0.186409867	5.05E-05	-0.167033739	0.000288451
DNM3 red	-0.178777654	0.000102582	-0.173188191	0.000169197
DRD3 red	-0.061049844	0.187841539	-0.054722842	0.237886517
DSPP red	-0.056651559	0.221726108	-0.03402524	0.463233096
EBLN2 red	-0.034309054	0.459508919	-0.05328232	0.250485348
EDDM3B red	-0.139095807	0.002591165	-0.121550035	0.008552688
EFCAB13 red	-0.084566931	0.067868177	-0.094263307	0.041737935
EFCAB5 red	-0.020304885	0.661631712	-0.007804863	0.866414087
EMD red	-0.029092945	0.530559782	-0.026781138	0.563738287



EML6	red	0.000609928	0.989511844	-0.010146259	0.826898923
ENAM	red	-0.142561723	0.002012936	-0.147035643	0.00144112
EPB42	red	-0.060182599	0.19420195	-0.04831686	0.297436453
EPGN	red	-0.024598801	0.595945398	-0.040366776	0.384108953
EPPIN-W	red	0.050571031	0.275440839	0.060060192	0.19511223
EQTN	red	-0.188312639	4.22E-05	-0.187806386	4.43E-05
ERC2	red	-0.126853024	0.006049838	-0.147782198	0.001361724
ERICH6B	red	-0.008963592	0.846810473	-0.012408603	0.789127447
ERVFRD	red	-0.163986883	0.000373111	-0.153778747	0.000855656
ERVV-1	red	0.02628083	0.571047568	0.030094592	0.516497603
ERVW-1	red	-0.004687194	0.919534411	0.006201985	0.893665007
ESR2	red	-0.08991369	0.052163916	-0.063680453	0.169487345
ESYT3	red	-0.266099371	5.20E-09	-0.287784121	2.34E-10
EYS	red	-0.109658938	0.017761554	-0.096676041	0.036754369
FABP12	red	0.019418883	0.675537397	0.0047367	0.918687459
FAM106A	red	-0.09141549	0.048342321	-0.077529537	0.09423737
FAM127E	red	-0.020320044	0.661394785	-0.013237184	0.775411371
FAM184E	red	-0.178370806	0.000106442	-0.175755281	0.000134711
FAM186E	red	-0.103884652	0.024766383	-0.094505716	0.041212737
FAM196A	red	0.010170695	0.826488637	0.014784656	0.749984134
FAM217A	red	0.015778023	0.733801286	0.035370404	0.445731181
FAM24A	red	-0.012001747	0.795886632	0.001270739	0.978150819
FAM46D	red	-0.10653949	0.021294321	-0.097943842	0.03434465
FANCD2	red	0.027698519	0.550453656	0.024757533	0.593574854
FAT3	red	-0.203067313	9.75E-06	-0.211461684	4.03E-06
FBXO40	red	-0.136384129	0.003145003	-0.126317231	0.006268806
FKSG61	red	-0.062932113	0.17456657	-0.09501797	0.040121233
FKSG68	red	-0.076005406	0.10090904	-0.061590247	0.183956476
FKSG70	red	-0.106139949	0.021788191	-0.110517412	0.016884008
FLG2	red	-0.064283421	0.165475824	-0.060081597	0.194952822
FNDC9	red	-0.099124918	0.032222161	-0.073407431	0.113140338
FOXD4L	red	0.013370996	0.773202691	0.016435904	0.723147824
FOXR1	red	-0.077650169	0.093724744	-0.081745578	0.077604598
FP325331	red	-0.039393985	0.395681303	-0.036780253	0.427797509
FPGT-TN	red	-0.081265399	0.079369479	-0.093106602	0.044322432
FSBP	red	-0.057797216	0.212506245	-0.062372443	0.178438638
FSIP2	red	-0.080893951	0.080756922	-0.080825938	0.08101308
FUT9	red	-0.125250834	0.006725897	-0.11865569	0.010276873
GABRB2	red	-0.152847696	0.000920684	-0.166444185	0.000303283
GABRR2	red	-0.171556834	0.000195244	-0.185591834	5.46E-05
GALNTL	red	-0.084611621	0.067722408	-0.078826339	0.088842599
GAPDHS	red	-0.103194452	0.025745379	-0.104067544	0.024512415
GBP7	red	-0.082391104	0.075282336	-0.054346516	0.241133985
GCM2	red	-0.110749568	0.016653308	-0.103138259	0.025826534
GCNT7	red	-0.100446448	0.02998107	-0.089191759	0.054088767

GCSAM	red	-0.058287531	0.20864587	-0.033605068	0.468777192
GDI1	red	0.000904598	0.984445318	-0.001694468	0.970868011
GDPD4	red	-0.112844943	0.014692864	-0.115787317	0.012283061
GHRL	red	-0.099880295	0.030924269	-0.098459461	0.033403827
GHSR	red	-0.06079175	0.18971818	-0.068914987	0.137003549
GIF	red	-0.077500509	0.09436106	-0.071237256	0.124225243
GJA9	red	-0.018254568	0.693979668	-0.004695213	0.919397222
GJE1	red	-0.097530519	0.035115031	-0.091103466	0.049116423
GLIPR1L	red	-0.134474655	0.00359734	-0.129866396	0.004941424
GNB2	red	0.164274005	0.00036424	0.206886827	6.55E-06
GNRHR	red	-0.071550779	0.122573526	-0.067306678	0.146429657
GOLGA8	red	-0.080721343	0.081408303	-0.077179145	0.095739083
GPC5	red	-0.14906536	0.001234595	-0.1486253	0.001276908
GPR113	red	-0.195530661	2.09E-05	-0.189981185	3.59E-05
GPR18	red	-0.036418902	0.432353636	-0.006646884	0.886087207
GPR21	red	-0.073265571	0.113840359	-0.060509156	0.191788721
GPR22	red	-0.140629793	0.002318756	-0.132408707	0.004152502
GPR52	red	-0.069863239	0.131668772	-0.067585916	0.144758518
GPR61	red	-0.220445889	1.51E-06	-0.203099717	9.71E-06
GPR82	red	-0.121092155	0.008807008	-0.096844819	0.03642551
GREB1L	red	0.029199412	0.529055948	0.018540181	0.689438405
GRIA4	red	-0.078269036	0.091129815	-0.066592088	0.150773191
GRIK1	red	-0.161645323	0.000453338	-0.156762528	0.000674772
GRIN2B	red	-0.163683101	0.000382715	-0.183157746	6.86E-05
GRM5	red	-0.031260039	0.500381594	-0.021726201	0.639567066
GS1-114L	red	-0.028759655	0.535281455	-0.030272137	0.514025286
GSK3A	red	0.019714049	0.670892246	0.013876063	0.764882799
GUCY2C	red	-0.133599842	0.003823642	-0.114491928	0.013297281
GYPA	red	-0.112038906	0.015421609	-0.108350094	0.019176136
GYPB	red	-0.101296937	0.02861054	-0.098494327	0.033341009
GYPE	red	-0.205611976	7.49E-06	-0.205920083	7.25E-06
H1FX	red	-0.017626392	0.7040061	-0.027976797	0.546454482
HCRTR1	red	-0.099304592	0.0319093	-0.099297088	0.031922313
HEPHL1	red	-0.193543217	2.54E-05	-0.16818871	0.000261335
HIGD1C	red	-0.071303664	0.12387395	-0.059866699	0.196557491
HIST1H1L	red	-0.087447444	0.058984411	-0.080621836	0.081785744
HIST1H2L	red	-0.070685016	0.127176602	-0.060052861	0.195166841
HIST3H3	red	0.014216425	0.759291213	0.030442399	0.51166016
HIST4H4	red	-0.170142588	0.000220818	-0.142905398	0.001962567
HMGB4	red	-0.071462412	0.123037328	-0.053808098	0.245834121
HRH4	red	-0.140613188	0.00232156	-0.13301597	0.003981776
HRNR	red	-0.173291622	0.000167661	-0.172801973	0.000175051
HTR1E	red	-0.242487583	1.12E-07	-0.252840095	3.03E-08
HTR1F	red	-0.103873382	0.024782106	-0.093125326	0.044279547
IAPP	red	-0.094127255	0.042035169	-0.078518767	0.090099133

IFIT1B	red	-0.126397992	0.006235352	-0.114465304	0.013318878
IFNA8	red	-0.082985586	0.073194029	-0.068129559	0.141546855
IFNK	red	-0.082424934	0.075162211	-0.068576006	0.138950435
IFNW1	red	-0.062248052	0.179307823	-0.061450373	0.184956324
IL1RAPL	red	-0.072238987	0.1190079	-0.075613213	0.102685127
IL1RL1	red	-0.040145814	0.386719246	-0.037856067	0.414399086
IL5	red	-0.100263132	0.030283735	-0.09947891	0.031608248
IMPG1	red	-0.057323471	0.21628475	-0.054352952	0.241078192
INSL6	red	-0.051488988	0.266808968	-0.052833845	0.254500843
IRF2BP1	red	-0.074358362	0.108534815	-0.089284985	0.053836928
IRGM	red	-0.135194201	0.003420382	-0.131905966	0.004298822
ISPD	red	-0.243367695	1.01E-07	-0.237710065	2.02E-07
JMJD7	red	0.116786324	0.011548179	0.108911499	0.018557781
KCNA7	red	-0.158239773	0.000598985	-0.153842083	0.000851391
KCNG3	red	-0.117005489	0.01139226	-0.139493737	0.00251783
KCNH8	red	-0.254747653	2.37E-08	-0.272361159	2.18E-09
KCNJ13	red	-0.126004766	0.006399762	-0.129341161	0.005120356
KCNMB3	red	-0.273346052	1.90E-09	-0.273034174	1.99E-09
KCNS2	red	-0.176507752	0.000125928	-0.171364274	0.000198555
KCNV2	red	-0.13507091	0.003450131	-0.129553697	0.00504726
KCTD4	red	-0.078916292	0.088477783	-0.067120964	0.147549205
KDELR1	red	0.139522078	0.00251268	0.13669859	0.003075675
KIAA040	red	-0.125298812	0.006704708	-0.11279308	0.014738827
KIAA173	red	-0.153393655	0.000882019	-0.143228862	0.001916216
KIAA191	red	-0.075358325	0.103852645	-0.060646227	0.190782354
KLC1	red	-0.116983848	0.011407572	-0.105137443	0.023071343
KRTAP2	red	-0.066504956	0.151309435	-0.057447606	0.215290046
LA16c-43	red	-0.013824952	0.765723532	0.007021884	0.879707992
LCTL	red	-0.186477069	5.02E-05	-0.18489532	5.83E-05
LDHAL6	red	-0.129078216	0.005212108	-0.119647312	0.009654237
LDHAL6l	red	-0.088152928	0.056961929	-0.083113565	0.072750698
LENEP	red	-0.013676325	0.768169877	-0.016169455	0.727456292
LGSN	red	-0.125882931	0.006451486	-0.089107183	0.054318087
LHCGR	red	-0.155549053	0.000743574	-0.147123442	0.001431567
LHX4	red	-0.031529694	0.496691	-0.037633069	0.417155835
LIPI	red	-0.199452332	1.41E-05	-0.193268763	2.61E-05
LIPN	red	-0.050954084	0.271816035	-0.050155392	0.279411046
LRIT3	red	0.010082643	0.827967266	0.003640735	0.937457091
LRP1B	red	-0.111441771	0.015981747	-0.106277598	0.021616934
LRRC19	red	-0.129746284	0.004981838	-0.122380227	0.008108219
LRRC37A	red	-0.058513841	0.206881264	-0.082209423	0.075930139
LRRC37A	red	-0.067674431	0.144231844	-0.085220204	0.065762772
LRRC69	red	-0.043744965	0.345550584	-0.037805943	0.415017791
LRRC7	red	-0.095859527	0.038381137	-0.099718046	0.031199209
LRRC75A	red	-0.332510767	1.62E-13	-0.333305202	1.40E-13

LRRC9	red	-0.2003494	1.29E-05	-0.184845013	5.86E-05
LRRD1	red	-0.100399679	0.030058041	-0.091622547	0.047834292
LRRN3	red	-0.038561707	0.405746837	-0.011211482	0.809058774
LRRTM2	red	-0.129540312	0.005051835	-0.123622908	0.007481385
LRRTM4	red	-0.106692508	0.021107768	-0.105267545	0.022901211
LSMEM1	red	-0.056279395	0.224781747	-0.068689592	0.138295717
LYG2	red	-0.119271798	0.009885965	-0.107674593	0.019943893
LZTS2	red	-0.003865637	0.93360222	-0.0062536	0.892785364
MAB21L	red	-0.170370475	0.000216495	-0.164640377	0.000353207
MAB21L	red	-0.085433614	0.065086727	-0.073158484	0.114371033
MAB21L	red	-0.005436971	0.906717469	-0.008064496	0.862013987
MALRD1	red	-0.209954847	4.74E-06	-0.209236929	5.11E-06
MASP2	red	-0.135783142	0.003281463	-0.145173958	0.00165799
MATR3	red	-0.104202321	0.024326704	-0.114490894	0.013298119
MCF2L2	red	-0.208982495	5.25E-06	-0.194090949	2.41E-05
MCMDCL	red	-0.216012736	2.46E-06	-0.224034757	1.00E-06
MCTP1	red	-0.029371717	0.526626716	-0.038360736	0.408200032
MDGA2	red	-0.116680318	0.01162427	-0.111365098	0.016054946
MEMO1	red	-0.137565151	0.002891756	-0.15240027	0.000953531
MEP1B	red	-0.017356908	0.708323285	-0.020223794	0.662899698
METTL2	red	-0.166214295	0.000309258	-0.160943967	0.000480326
MGAM	red	-0.12246638	0.008063296	-0.1166711	0.011630907
MIA2	red	0.024443292	0.598271976	0.011002904	0.812544517
MLANA	red	-0.062106774	0.18029881	-0.0618028	0.182444751
MLF2	red	0.056035529	0.226800191	0.064986273	0.160890163
MLN	red	-0.134726547	0.003534469	-0.134207466	0.003665135
MMP21	red	-0.102860929	0.026230293	-0.081928102	0.07694215
MOSPD3	red	0.072021785	0.120124371	0.092906845	0.044782119
MPG	red	0.318739407	1.73E-12	0.343764187	2.12E-14
MRAP	red	-0.106636832	0.02117548	-0.095495587	0.039125652
MRGPRX	red	-0.115637581	0.012396695	-0.107681059	0.019936419
MRPL10	red	0.027870609	0.54797883	0.015530034	0.737830549
MS4A12	red	-0.078319925	0.090919027	-0.060897179	0.188949933
MS4A13	red	-0.115598776	0.012426295	-0.106409201	0.021454292
MS4A4E	red	-0.132990967	0.003988678	-0.130600293	0.004700845
MS4A5	red	-0.017656461	0.703524972	-0.011821613	0.798884149
MSANTE	red	-0.137466831	0.002912108	-0.128842353	0.005295667
MTMR7	red	-0.151303823	0.001038652	-0.140935694	0.002267666
MTNR1A	red	-0.105364073	0.022775684	-0.10318303	0.025761858
MTRNR2	red	0.007578981	0.870245557	0.026999513	0.560562057
MTRNR2	red	-0.080400219	0.082631446	-0.07194136	0.120539841
MUSK	red	-0.05581092	0.228670622	-0.047283678	0.307898796
MYH1	red	-0.081422076	0.078790076	-0.067485013	0.1453607
MYH13	red	-0.073026592	0.1150273	-0.068374366	0.140118555
MYH2	red	-0.118026096	0.010690447	-0.114507517	0.013284649

MYH4	red	-0.089594734	0.053007175	-0.077005409	0.09649073
MYO1H	red	0.027151435	0.558357496	0.012813068	0.782423636
NAA11	red	-0.171368128	0.000198488	-0.162775201	0.000412809
NABP1	red	-0.134955007	0.00347831	-0.158853444	0.000569888
NAIP	red	-0.087058449	0.060124763	-0.07533415	0.103963922
NBEAL1	red	-0.060735723	0.190127372	-0.057794352	0.212528944
NCR3LG	red	-0.113764806	0.013898328	-0.125107806	0.006789423
NEB	red	-0.083444836	0.071613314	-0.068406667	0.139930927
NME1-N	red	0.071973817	0.120372038	0.043015635	0.35365979
NOTCH2	red	-0.087548781	0.058690295	-0.084083454	0.069461674
NPAP1	red	-0.235195188	2.73E-07	-0.237967971	1.95E-07
NPBWR2	red	-0.134308015	0.003639488	-0.129713573	0.004992895
NPFFR2	red	-0.170063134	0.000222344	-0.157956828	0.00061286
NPHP3-A	red	-0.074381567	0.108424308	-0.086366038	0.062199656
NPIP4	red	-0.067642033	0.144424443	-0.052320355	0.259153005
NPIPB8	red	-0.047696946	0.303685134	-0.032723094	0.480532821
NT5C1B	red	-0.071192095	0.124464577	-0.072947577	0.115421871
NUCB1	red	0.03944487	0.395070809	0.043736106	0.345648373
NUDT13	red	0.160208254	0.000510236	0.148056693	0.001333557
NUP210L	red	-0.059220203	0.201443046	-0.049260397	0.288091204
NUTM2A	red	-0.05011383	0.279810169	-0.039286395	0.396973961
NUTM2G	red	0.000508905	0.991248931	-0.005311691	0.908857463
NXF2	red	-0.157871639	0.000617095	-0.126263458	0.00629117
NXNL1	red	-0.174955196	0.000144679	-0.141486867	0.002178197
NXPE1	red	-0.052535037	0.257200915	-0.041605668	0.369673554
NXPE4	red	0.11248067	0.015018373	0.104544046	0.023861273
OCLM	red	0.008581088	0.853271932	0.00676919	0.88400581
ODF3	red	-0.108320543	0.019209176	-0.098432402	0.033452646
OFCC1	red	-0.095699498	0.038707018	-0.077785401	0.093152724
OIT3	red	-0.059197465	0.201616465	-0.053730573	0.246516118
OR10A5	red	-0.044968679	0.332212191	-0.046501576	0.315978133
OR10AD1	red	-0.090539142	0.05054279	-0.09478975	0.040604465
OR13C4	red	-0.06716055	0.147310025	-0.049213435	0.288551618
OR13C9	red	-0.068300255	0.140549779	-0.049082969	0.289833299
OR13D1	red	-0.031518904	0.496838392	-0.024554821	0.596602972
OR13H1	red	-0.077492749	0.094394147	-0.061721477	0.183022055
OR1L4	red	-0.051270967	0.268842103	-0.037108574	0.423682099
OR1L6	red	-0.074526083	0.10773807	-0.064885037	0.161544698
OR2A2	red	-0.060276405	0.193506471	-0.040952518	0.377241607
OR2A42	red	-0.169974489	0.000224058	-0.174439111	0.000151471
OR2A5	red	-0.021621589	0.641180584	-0.033926345	0.464534702
OR2AE1	red	-0.116023845	0.012105433	-0.106857912	0.020907711
OR2AG2	red	-0.058627189	0.206001523	-0.069935718	0.131267709
OR2B2	red	-0.096655698	0.036794175	-0.083928791	0.069977851
OR2D2	red	-0.07635436	0.099349353	-0.079636	0.085602077

OR2D3	red	-0.093120914	0.044289648	-0.093239159	0.044019581
OR2J2	red	-0.15374094	0.000858212	-0.150225858	0.001129122
OR2M3	red	-0.041156746	0.374865054	-0.045723302	0.324154413
OR2M5	red	0.004735709	0.918704411	-0.002135595	0.96328875
OR2T12	red	-0.050647946	0.274710374	-0.04554509	0.326045804
OR4S2	red	-0.067571308	0.144845582	-0.067045133	0.148008214
OR51B4	red	-0.150800063	0.001080065	-0.159636082	0.000534683
OR51B6	red	-0.068625564	0.138664486	-0.055828653	0.228522555
OR51I1	red	-0.098734607	0.032910837	-0.096650764	0.036803836
OR51I2	red	-0.032514873	0.483331336	-0.033960158	0.464089443
OR51J1	red	-0.075858642	0.1015708	-0.069464344	0.133893029
OR51M1	red	-0.079886369	0.084619525	-0.072693808	0.116696284
OR51Q1	red	-0.115100502	0.012811956	-0.113540052	0.014088887
OR52B6	red	-0.065756197	0.155977448	-0.055318451	0.232809894
OR52D1	red	-0.101441523	0.028382975	-0.099012911	0.032418518
OR52E4	red	-0.044884173	0.333122504	-0.04288646	0.35510845
OR52E5	red	-0.055259912	0.233305424	-0.039086698	0.399379976
OR52E6	red	-0.089878042	0.052257605	-0.074911745	0.105923525
OR52E8	red	-0.016829971	0.71679184	-0.02510247	0.588438353
OR52H1	red	-0.09005546	0.051792709	-0.078344509	0.090817333
OR52I1	red	0.020995042	0.650879542	0.019001141	0.682132665
OR52N1	red	-0.067053967	0.147954681	-0.064864203	0.161679651
OR52N2	red	-0.065685384	0.156424501	-0.071093784	0.124986832
OR52N5	red	-0.072958605	0.115366741	-0.065139776	0.159901504
OR56A1	red	-0.132780927	0.004047088	-0.132189286	0.004215801
OR56B1	red	-0.054565911	0.239236979	-0.04259444	0.358397103
OR5B21	red	-0.062821045	0.175329977	-0.059985061	0.195672481
OR5D16	red	0.029089479	0.530608786	0.049768934	0.283137144
OR5P3	red	-0.062578505	0.177005658	-0.043856876	0.344316817
OR6A2	red	-0.068440944	0.139732034	-0.060755841	0.189980368
OR6C70	red	0.003897616	0.933054218	0.016253134	0.72610227
OR6C76	red	-0.063547589	0.170380979	-0.039472429	0.394740415
OVCH1	red	-0.080369403	0.082749598	-0.071028451	0.12533484
P2RY4	red	-0.076072253	0.100608762	-0.043711259	0.345922721
PAK6	red	0.022405291	0.629134449	-0.00936096	0.840108785
PALM2	red	-0.100448776	0.029977243	-0.093416891	0.043616256
PAPOLB	red	-0.07416826	0.10944349	-0.066155434	0.153475095
PATE1	red	-0.073511772	0.11262762	-0.062618203	0.17673058
PATE2	red	-0.118467194	0.01039918	-0.109292619	0.018147976
PATE3	red	-0.090939702	0.049526836	-0.081113632	0.079934011
PATE4	red	-0.085821391	0.063872938	-0.078691614	0.089391254
PBOV1	red	-0.053187209	0.251333234	-0.037300609	0.421285737
PCDH9	red	-0.077614504	0.093876071	-0.066219502	0.153076377
PCDHA1	red	-0.148280685	0.001310971	-0.144106741	0.001795424
PCDHA5	red	-0.07982012	0.084878625	-0.063849748	0.168353767

PCDHA8 red	-0.069080145	0.136062616	-0.060374821	0.192778772
PCDHA9 red	-0.076651605	0.098035963	-0.056891055	0.219775488
PCDHGAred	-0.120229488	0.009304515	-0.106298302	0.021591276
PCDHGAred	-0.06862486	0.138668542	-0.059989108	0.19564227
PCDHGCred	-0.071092743	0.124992371	-0.080016684	0.084111723
PDC red	-0.074653404	0.10713633	-0.057275397	0.21667086
PDE6C red	-0.032568093	0.482615211	-0.054246091	0.242005836
PDZD9 red	-0.141682231	0.002147267	-0.125009889	0.006833222
PEF1 red	-0.105571088	0.022508487	-0.083236906	0.07232551
PFKFB1 red	0.192913608	2.70E-05	0.192399305	2.84E-05
PGBD3 red	-0.048156168	0.299047935	-0.043759854	0.345386277
PHKG1 red	0.009905798	0.830938815	0.012056726	0.794972362
PKD2L2 red	-0.117292303	0.011191029	-0.100423621	0.030018616
PKHD1 red	-0.111221658	0.016192676	-0.120880034	0.008927092
PLET1 red	-0.107921667	0.019660027	-0.09465581	0.040890352
PLSCR2 red	-0.218582608	1.85E-06	-0.189267257	3.85E-05
POTEE red	-0.087699444	0.058255259	-0.088849936	0.055020561
POTEF red	-0.064375572	0.164869077	-0.059608465	0.198498482
POTEI red	-0.042853781	0.35547553	-0.034316187	0.45941554
POU1F1 red	-0.053032056	0.252720661	-0.049561217	0.28515368
POU5F2 red	-0.065453012	0.157898289	-0.047823173	0.302405785
POU6F2 red	-0.174738347	0.000147497	-0.181673233	7.87E-05
PP2D1 red	-0.103648844	0.025097182	-0.091631408	0.047812652
PRB1 red	-0.017412526	0.707431498	-0.000494943	0.991489012
PRB2 red	-0.005428844	0.906856281	-0.005813818	0.900284444
PRB3 red	-0.106716144	0.021079079	-0.093717626	0.04294089
PRB4 red	-0.052466813	0.257820166	-0.022509388	0.627541682
PRDM7 red	-0.078490494	0.090215348	-0.079131097	0.087611483
PREB red	-0.023557704	0.611598924	-0.022653317	0.625342296
PRH1 red	-0.159236337	0.000552404	-0.160967837	0.000479383
PRH2 red	-0.042129398	0.363673561	-0.03141117	0.498311374
PROX2 red	-0.069357105	0.13449591	-0.059341466	0.20052
PRR26 red	-0.050144494	0.279515668	-0.060566272	0.19136891
PRR34 red	-0.102964969	0.026078191	-0.096862322	0.03639155
PRR4 red	-0.082055424	0.076482777	-0.064823105	0.161946104
PRR5-ARed	-0.071260035	0.124104654	-0.10191215	0.027652988
PRSS37 red	-0.067154462	0.147346787	-0.062689323	0.176238561
PRSS42 red	-0.192456725	2.83E-05	-0.202128019	1.07E-05
PRSS46 red	-0.196803747	1.84E-05	-0.209718573	4.86E-06
PRSS48 red	-0.081769901	0.077516054	-0.072946293	0.115428296
PSG1 red	-0.050411995	0.276955403	-0.047220017	0.308551294
PSG11 red	-0.051621108	0.265582041	-0.039044219	0.399892906
PSG2 red	-0.053744767	0.246391155	-0.02849037	0.539111732
PSG3 red	-0.076475898	0.098810654	-0.077674527	0.093621502
PSG6 red	-0.079539694	0.085982461	-0.075662367	0.102461182

PSG7	red	-0.066644453	0.150451608	-0.057057148	0.218429942
PTMS	red	-0.02507893	0.588788246	-0.029065947	0.530941476
PTTG2	red	0.00924397	0.842080654	0.02961855	0.523156699
PVRIG	red	-0.123790429	0.007400284	-0.120692205	0.009034639
PXT1	red	-0.10552972	0.022561663	-0.100941385	0.029176814
RAB1B	red	0.259014139	1.35E-08	0.272253553	2.22E-09
RAB39A	red	-0.174617352	0.000149092	-0.161897701	0.000443976
RAB40A	red	-0.324579591	6.43E-13	-0.330888301	2.15E-13
RAB40AI	red	-0.137694248	0.00286523	-0.131462262	0.004431814
RAD21L1	red	-0.152741923	0.000928353	-0.138706149	0.002664857
RANBP3	red	-0.171098307	0.000203215	-0.175838903	0.000133707
RAPH1	red	0.142176472	0.002070803	0.134737769	0.003531692
RBM14-R	red	-0.090069687	0.05175558	-0.11538919	0.012587246
RBM44	red	-0.086477794	0.061860826	-0.099699365	0.031230998
RBMXL3	red	-0.08046926	0.082367226	-0.080866583	0.080859919
REC114	red	-0.077481735	0.094441124	-0.077808385	0.093055784
RFPL1	red	-0.143021476	0.001945817	-0.144423668	0.001753559
RFX6	red	0.074910947	0.105927257	0.040724678	0.379903833
RGL4	red	-0.033017131	0.476595973	-0.009040389	0.84551439
RGPD1	red	-0.053024792	0.252785745	-0.065304221	0.158847464
RGPD5	red	-0.035959445	0.438187002	-0.042878104	0.355202295
RGPD6	red	-0.073450721	0.112927395	-0.070789399	0.126614612
RGPD8	red	-0.282208261	5.34E-10	-0.314396476	3.57E-12
RGS17	red	0.00698112	0.880401069	0.000177135	0.996953961
RHD	red	-0.177260072	0.000117687	-0.167288006	0.000282265
RNASE3	red	-0.117063755	0.011351123	-0.090496568	0.050651789
RNF113B	red	-0.073857395	0.110942309	-0.066972123	0.148451167
RNF133	red	-0.032931607	0.477739229	-0.033596596	0.468889349
RNF148	red	-0.057610792	0.213987421	-0.039793107	0.390908153
RNF167	red	0.119239325	0.009906234	0.116719024	0.011596436
RNF212B	red	-0.094102403	0.042089655	-0.088537432	0.055884065
RNH1	red	0.14406106	0.001801534	0.15615844	0.00070825
RP11-11N	red	-0.115145863	0.012776415	-0.121411695	0.008628827
RP11-12J	red	-0.13119823	0.004512706	-0.13647189	0.003125513
RP11-219	red	-0.065979015	0.154577087	-0.064384741	0.164808792
RP11-231	red	0.010159804	0.826671494	0.016541032	0.721450308
RP11-248	red	-0.107918102	0.019664098	-0.101742358	0.027914469
RP11-248	red	-0.116371414	0.011848534	-0.116977839	0.011411827
RP11-286	red	-0.092961176	0.044656697	-0.085752413	0.064087477
RP11-287	red	-0.152473329	0.000948094	-0.165847709	0.000319013
RP11-290	red	-0.096026261	0.038044079	-0.101812091	0.027806824
RP11-295	red	-0.09579336	0.038515595	-0.111331273	0.016087332
RP11-314	red	-0.051046393	0.270947413	-0.035644706	0.442208897
RP11-321	red	-0.01459901	0.753020914	-0.016952916	0.714812805
RP11-33C	red	0.004591269	0.921175763	0.010206894	0.825880933



RP11-371red	-0.054590888	0.239021681	-0.048193586	0.298672171
RP11-400red	-0.029845534	0.519976073	-0.034617594	0.455479342
RP11-434red	-0.115186393	0.012744733	-0.126649087	0.006132361
RP11-437red	-0.06770317	0.144061158	-0.060913109	0.188834049
RP11-463red	-0.026233414	0.571742624	-0.022459268	0.628308338
RP11-468red	0.120880164	0.008927018	0.120745458	0.009004031
RP11-49Kred	-0.060535933	0.19159182	-0.065341588	0.158608687
RP11-507red	-0.094503692	0.041217098	-0.090303705	0.051148019
RP11-508red	-0.04415211	0.34107545	-0.053656177	0.247171825
RP11-574red	-0.104613001	0.023768295	-0.11601192	0.012114334
RP11-58Cred	-0.047399972	0.306709188	-0.04759263	0.304745116
RP11-599red	-0.002548207	0.956202419	0.001904262	0.967263044
RP11-613red	-0.07740336	0.094775958	-0.077367278	0.094930422
RP11-65Ered	-0.033036538	0.476336751	-0.030366776	0.51270994
RP11-690red	-0.12164424	0.008501183	-0.113025813	0.014533557
RP11-691red	-0.078152542	0.091613829	-0.076122392	0.100384007
RP11-697red	-0.035631993	0.442371799	-0.043482396	0.348456298
RP11-849red	-0.107478585	0.020171618	-0.122551635	0.00801906
RP11-894red	-0.147119682	0.001431975	-0.134554546	0.003577291
RP3-461Fred	-0.102525724	0.02672556	-0.086377203	0.062165737
RP3-468Kred	-0.085092835	0.066168999	-0.071692571	0.121832174
RP5-1021red	-0.046158577	0.319564786	-0.049626161	0.284522158
RP5-1042red	-0.002691443	0.953743204	7.27E-05	0.998750412
RP5-1052red	-0.069192711	0.135424166	-0.05365919	0.247145246
RP5-864Kred	-0.061506355	0.184555671	-0.039021255	0.400170355
RPA4 red	-0.146962521	0.001449121	-0.159961063	0.000520667
RPE65 red	-0.139463925	0.002523258	-0.131752308	0.004344465
RPEL1 red	-0.054764982	0.237524795	-0.038203	0.410131631
RRH red	-0.018279395	0.693584474	-0.031877505	0.491952163
S100G red	0.122524446	0.008033144	0.106081234	0.021861599
S100Z red	-0.208193332	5.71E-06	-0.199516695	1.40E-05
SARNP red	-0.084323727	0.068665968	-0.095494514	0.039127864
SCAF1 red	0.00425643	0.926907681	0.019054233	0.68129309
SCGB2B2red	-0.211723443	3.92E-06	-0.207841333	5.93E-06
SCHIP1 red	-0.225472647	8.52E-07	-0.239941743	1.54E-07
SCLY red	0.035728235	0.441139475	0.032215733	0.487367192
SCN11A red	-0.303627129	2.05E-11	-0.311335087	5.91E-12
SCN2A red	-0.134957961	0.00347759	-0.107640633	0.019983186
SCN3A red	-0.006833863	0.882905518	-0.002514403	0.956782854
SDF4 red	0.17625664	0.000128798	0.177474806	0.00011543
SEBOX red	-0.057532484	0.214611798	-0.046780635	0.313079599
SEC16B red	0.11193843	0.015514637	0.100777703	0.029440718
SH2D4B red	-0.083459789	0.071562319	-0.060228658	0.193860238
SIX6 red	-0.108658538	0.018834217	-0.101695831	0.02798649
SLC10A1 red	-0.149092903	0.00123199	-0.128976549	0.005247979

SLC10A3 red	-0.080457164	0.082413467	-0.10146523	0.028345812
SLC10A5 red	0.005272956	0.909519244	-0.029550215	0.524116185
SLC15A5 red	-0.098395822	0.033518742	-0.087183558	0.059756032
SLC17A1 red	-0.098308831	0.033676374	-0.095163627	0.039815369
SLC1A2 red	0.072788669	0.116218615	0.053318535	0.250163026
SLC22A1 red	-0.252017553	3.37E-08	-0.267158169	4.50E-09
SLC24A5 red	-0.113794514	0.01387331	-0.11518875	0.012742892
SLC25A2 red	0.039630713	0.392846026	0.045881893	0.32247727
SLC25A5 red	-0.106868988	0.020894372	-0.120448059	0.009176154
SLC26A5 red	0.076846297	0.097183229	0.094865478	0.040443576
SLC34A1 red	-0.089958702	0.052045819	-0.095777316	0.038548259
SLC35A4 red	0.296727778	6.03E-11	0.317088963	2.29E-12
SLC35F4 red	-0.161968577	0.00044138	-0.160444955	0.000500429
SLC38A4 red	-0.111592279	0.015838909	-0.135114345	0.003439623
SLC38A6 red	-0.085245342	0.065682842	-0.074140116	0.109578524
SLC4A5 red	-0.116912641	0.011458086	-0.113990842	0.013708973
SLC5A12 red	-0.07082348	0.12643154	-0.074560387	0.107575683
SLC5A4 red	-0.103831879	0.024840086	-0.104511458	0.023905323
SLC5A9 red	0.001304292	0.977574048	-0.004984608	0.914447639
SLC6A7 red	-0.093457811	0.043523841	-0.072435225	0.118006173
SLC9C1 red	-0.088077889	0.057174281	-0.077493785	0.094389727
SLCO1A2 red	-0.130309054	0.004795022	-0.138795153	0.002647859
SLCO1B1 red	-0.000621132	0.989319201	0.000686585	0.988193761
SLCO6A1 red	-0.146760768	0.001471409	-0.136248945	0.00317524
SLFNL1 red	-0.158326349	0.000594798	-0.164546067	0.000356017
SLX1B red	-0.064290201	0.165431125	-0.073863447	0.110912972
SMCO3 red	-0.211645088	3.95E-06	-0.192791019	2.73E-05
SMIM18 red	-0.041195283	0.374417638	-0.03001584	0.517596189
SNAPC2 red	0.182393941	7.36E-05	0.197735992	1.68E-05
SNURF red	-0.144736325	0.001713137	-0.139123502	0.002585999
SNX17 red	-0.020504277	0.658518045	-0.005369008	0.907878317
SOGA3 red	-0.140963872	0.002263011	-0.146803752	0.001466634
SPACA1 red	-0.067397322	0.14588558	-0.052009556	0.261997172
SPATA12 red	0.026303935	0.57070903	0.039611471	0.393076018
SPATA32 red	0.007929353	0.864303783	0.008935993	0.847276337
SPDYA red	-0.064278728	0.16550677	-0.058592803	0.206268121
SPDYE1 red	-0.085852458	0.063776507	-0.070061665	0.130573028
SPDYE2 red	-0.059657824	0.198126399	-0.060855017	0.18925689
SPDYE2F red	-0.023645467	0.610272358	-0.018174123	0.695260721
SPDYE5 red	-0.088770738	0.055238343	-0.077392894	0.094820742
SPDYE6 red	-0.051441713	0.26724893	-0.046546196	0.315513498
SPECC1L red	-0.036717806	0.42858288	-0.07358721	0.112258065
SPIN2A red	-0.186269493	5.12E-05	-0.166999553	0.000289292
SPINK14 red	0.119278068	0.009882055	0.12819686	0.005530547
SPINT3 red	-0.062232298	0.179418129	-0.045621108	0.325238142

SPINT4	red	-0.094138246	0.042011091	-0.081329373	0.079132481
STH	red	-0.033419558	0.471236559	-0.030456548	0.511463868
STK31	red	-0.195146463	2.17E-05	-0.180345685	8.89E-05
STPG2	red	-0.14006168	0.002416439	-0.137030581	0.003003992
STUB1	red	0.069209772	0.135327606	0.091469192	0.048210127
SULT1C3	red	-0.066300355	0.152574323	-0.045548352	0.326011114
SUMO4	red	-0.097851258	0.034515952	-0.082530122	0.074789699
SYCP2	red	-0.218956222	1.78E-06	-0.238560143	1.82E-07
SYCP2L	red	-0.2825427	5.08E-10	-0.275827607	1.34E-09
SYCP3	red	-0.074846736	0.106227689	-0.070169455	0.129980749
SYN3	red	-0.176867867	0.000121918	-0.173998093	0.000157512
SYNPR	red	-0.09325816	0.043976314	-0.074752249	0.106671005
SYT16	red	-0.147655613	0.001374897	-0.154173383	0.000829397
TAAR8	red	-0.107489822	0.020158502	-0.097545437	0.035086972
TAAR9	red	-0.133623655	0.003817315	-0.122373794	0.008111583
TAB1	red	0.180346027	8.89E-05	0.158276224	0.000597219
TAC4	red	-0.05098025	0.271569623	-0.032109777	0.488801036
TACR3	red	-0.114597265	0.013212135	-0.159282484	0.000550331
TAS2R10	red	-0.082989831	0.073179287	-0.087727203	0.058175399
TAS2R13	red	-0.074040757	0.110056296	-0.05996594	0.195815251
TAS2R14	red	-0.184779206	5.89E-05	-0.17317865	0.000169339
TAS2R19	red	-0.180119561	9.08E-05	-0.173731194	0.000161276
TAS2R20	red	-0.141174439	0.002228507	-0.141384316	0.002194595
TAS2R3	red	-0.090571512	0.050460049	-0.07822068	0.091330477
TAS2R30	red	-0.092923247	0.044744224	-0.081559178	0.078285884
TAS2R31	red	-0.136721916	0.003070588	-0.135021122	0.00346221
TAS2R4	red	-0.152962399	0.000912433	-0.150817618	0.001078596
TAS2R40	red	-0.042635313	0.357935659	-0.025052493	0.589181294
TAS2R41	red	-0.079349286	0.086738531	-0.076335732	0.099432127
TAS2R42	red	-0.045240704	0.329292795	-0.021887447	0.637083358
TAS2R43	red	-0.100470662	0.029941285	-0.093332182	0.043808096
TAS2R46	red	-0.104195542	0.024336016	-0.090585814	0.050423526
TAS2R50	red	-0.096689467	0.036728116	-0.081532909	0.078382282
TAS2R60	red	-0.076554265	0.098464535	-0.072955535	0.11538301
TAS2R8	red	-0.028461889	0.539517643	-0.01619051	0.727115521
TAS2R9	red	-0.037440954	0.419539425	-0.029354843	0.52686437
TCEB3B	red	-0.131124233	0.004535614	-0.121651478	0.008497238
TCEB3C	red	-0.040961078	0.377141812	-0.044872381	0.33324966
TCEB3CI	red	-0.048568637	0.294923197	-0.033909274	0.464759588
TDRD6	red	-0.144080626	0.001798915	-0.146631947	0.001485804
TEDDM1	red	-0.05953008	0.199090404	-0.058628105	0.205994428
TEX12	red	-0.106425509	0.021434212	-0.105743583	0.022287924
TEX38	red	-0.130659123	0.004682026	-0.113131057	0.01444156
TICAM2	red	-0.10434486	0.02413162	-0.120548781	0.009117535
TM4SF19	red	-0.06961277	0.133062036	-0.071421804	0.123250917

TMEFF2 red	-0.196830837	1.83E-05	-0.182666773	7.18E-05
TMEM11 red	-0.060984584	0.188314759	-0.059281229	0.200978134
TMEM14 red	-0.088708756	0.055409284	-0.073940092	0.11054202
TMEM17 red	0.090609825	0.050362262	0.095468751	0.039181031
TMEM21 red	0.295302637	7.51E-11	0.315084512	3.19E-12
TMEM24 red	-0.122139693	0.008234827	-0.10071292	0.029545732
TMEM25 red	-0.193965764	2.44E-05	-0.19522746	2.15E-05
TMEM30 red	-0.050433818	0.276747243	-0.05717033	0.217516427
TMEM52 red	-0.144964553	0.001684171	-0.136127421	0.003202647
TMPRSS1 red	-0.064945737	0.161152007	-0.082522004	0.074818395
TMPRSS1 red	0.007655558	0.868946292	0.018739706	0.686272553
TMPRSS1 red	-0.075028534	0.105378827	-0.077986481	0.092307345
TMPRSS1 red	-0.116670694	0.0116312	-0.109600174	0.017823055
TMPRSS1 red	-0.071950917	0.120490409	-0.066166384	0.153406896
TNP2 red	-0.065309143	0.158815999	-0.053663895	0.247103746
TOLLIP red	0.149433043	0.001200234	0.178560337	0.000104627
TOMM20 red	-0.079979022	0.084258228	-0.064095338	0.166719414
TOP3B red	-0.083808455	0.070381629	-0.106566967	0.021260718
TP53TG5 red	-0.166595958	0.000299398	-0.162496368	0.000422485
TREML4 red	-0.046660301	0.314327342	-0.035867309	0.439362191
TRHR red	-0.077031269	0.096378552	-0.067048016	0.147990744
TRIM34 red	-0.081123633	0.079896711	-0.099595972	0.031407447
TRIM61 red	-0.224483911	9.54E-07	-0.220291185	1.53E-06
TRIM71 red	-0.172552583	0.000178932	-0.171715277	0.000192559
TRIM77 red	-0.061226617	0.186564099	-0.049248937	0.288203505
TRPA1 red	-0.02032531	0.661312493	-0.026875184	0.562369338
TRPC5 red	-0.095406902	0.039308916	-0.088250767	0.05668604
TRPV1 red	-0.074102458	0.109759412	-0.072068581	0.119883138
TSEN34 red	0.078414684	0.090527557	0.067925612	0.14274525
TSNAX-I red	-0.031275519	0.500169335	0.00080119	0.986223233
TSPO2 red	-0.177795425	0.000112135	-0.156915915	0.000666508
TSPYL6 red	-0.089029217	0.0545302	-0.080511723	0.08220506
TSSK1B red	0.037581921	0.417789658	0.030488086	0.51102647
TSSK3 red	-0.111484943	0.01594066	-0.108219884	0.019322094
TSSK4 red	-0.034476583	0.457318503	-0.039797032	0.390861387
TTN red	-0.116121037	0.012033104	-0.109980862	0.017427916
TUBA8 red	-0.184267886	6.18E-05	-0.194778524	2.25E-05
TUBB1 red	-0.061836216	0.182207931	-0.044613841	0.336045318
TVP23C red	-0.003360436	0.94226352	-0.006956879	0.880813271
TXNDC8 red	-0.049896513	0.281903381	-0.031014478	0.503755008
TYR red	0.01268073	0.784615328	0.002918574	0.949844529
U2AF1 red	-0.158147163	0.000603494	-0.170045825	0.000222678
U51561.1 red	-0.083042126	0.072997898	-0.076290111	0.099635073
UBAP1L red	-0.087579239	0.058602132	-0.084200518	0.069073059
UBQLN3 red	-0.079109966	0.0876964	-0.071219202	0.124320879

UNC13C red	-0.127175173	0.005921512	-0.122983236	0.007798423
UNC45A red	0.055822679	0.228572422	0.061373363	0.185508509
UPP2 red	-0.063896562	0.168041307	-0.01693594	0.715085949
USP17L1 red	-0.082504978	0.074878607	-0.077316873	0.095146545
USP17L2 red	-0.063991138	0.16741139	-0.055075331	0.234872781
USP17L7 red	-0.021326937	0.645734323	-0.03301595	0.476611756
USP50 red	0.000358765	0.993830656	0.003674147	0.936884303
UTS2B red	-0.184306532	6.16E-05	-0.174063988	0.000156595
UTY red	-0.051220617	0.269313142	-0.053834494	0.245602215
VN1R1 red	-0.265086289	5.97E-09	-0.26667522	4.80E-09
VWC2L red	-0.122471436	0.008060666	-0.122339722	0.008129417
WBP2 red	-0.048503722	0.295569827	-0.035743986	0.440937979
WBP2NL red	-0.099503928	0.031565241	-0.121310643	0.008684825
WDPCP red	-0.078981426	0.088214376	-0.082514917	0.074843453
WDR64 red	-0.027470968	0.553734448	-0.027683448	0.55067064
WDR87 red	-0.130269497	0.004807944	-0.130993621	0.004576306
WEE2 red	-0.084616271	0.067707253	-0.077610757	0.09389198
WFDC13 red	-0.079224524	0.087236831	-0.071915755	0.12067235
WNK3 red	-0.349521665	7.27E-15	-0.352643402	4.03E-15
XKR6 red	-0.296746837	6.01E-11	-0.306875784	1.22E-11
XRCC1 red	-0.011162484	0.809877292	-0.02273364	0.624116315
XRRA1 red	0.053410363	0.249347031	0.060823633	0.18948561
YIPF3 red	0.098051969	0.034145508	0.122745588	0.00791923
ZACN red	-0.092234316	0.046359335	-0.083565888	0.071201336
ZBTB20 red	-0.043985446	0.34290285	-0.04694423	0.311388503
ZC2HC1Ered	-0.009476533	0.838161754	-0.003738524	0.935780776
ZCCHC1(red	-0.128654337	0.005363137	-0.1097677	0.017648215
ZNF154 red	-0.185734529	5.39E-05	-0.171846177	0.000190366
ZNF177 red	-0.034298469	0.459647519	-0.048063107	0.299983826
ZNF233 red	-0.113546006	0.01408381	-0.114137912	0.013586992
ZNF257 red	-0.359788425	1.02E-15	-0.349352268	7.50E-15
ZNF410 red	-0.090889318	0.049653682	-0.110756422	0.01664654
ZNF483 red	-0.202963507	9.85E-06	-0.211513431	4.01E-06
ZNF506 red	-0.270643081	2.78E-09	-0.279640728	7.75E-10
ZNF559-2red	-0.175146121	0.000142239	-0.178343253	0.000106708
ZNF564 red	-0.074975717	0.10562489	-0.080938626	0.08058902
ZNF573 red	-0.077460291	0.094532645	-0.08332432	0.072025401
ZNF578 red	-0.310029956	7.31E-12	-0.291753829	1.29E-10
ZNF587Bred	0.162847867	0.000410322	0.173219092	0.000168737
ZNF716 red	-0.167270364	0.00028269	-0.16527456	0.000334841
ZNF732 red	-0.23024503	4.90E-07	-0.237694883	2.02E-07
ZNF81 red	-0.074928864	0.105843546	-0.07348766	0.112745939
ZNF852 red	0.005932118	0.898266324	-0.001986908	0.965843089
ZNF878 red	-0.05232517	0.259109116	-0.048407276	0.296532281
ZNF891 red	-0.116271278	0.011922049	-0.130958413	0.004587332

ZNF98	red	-0.338898385	5.15E-14	-0.33106518	2.08E-13
ZNF99	red	-0.231343619	4.31E-07	-0.232157501	3.92E-07
ZBPB	red	-0.205913152	7.26E-06	-0.195690358	2.06E-05
ZRSR1	red	-0.003094947	0.946817921	-0.006610738	0.886702494
ZSCAN2	red	-0.231948018	4.01E-07	-0.259887247	1.20E-08
ZSCAN5	red	-0.056687812	0.221430048	-0.040987871	0.376829554
ABHD14	royalblue	0.194326138	2.35E-05	0.195715309	2.05E-05
ACY3	royalblue	0.211541659	4.00E-06	0.244197072	9.09E-08
AES	royalblue	0.244104677	9.19E-08	0.264899251	6.12E-09
ALG10	royalblue	-0.083658597	0.070887126	-0.097940397	0.034351011
ANKLE2	royalblue	-0.170168054	0.000220331	-0.189610214	3.72E-05
ANKRD2	royalblue	-0.257452844	1.66E-08	-0.28042945	6.91E-10
AP3M2	royalblue	-0.143280983	0.001908842	-0.180623917	8.67E-05
ARHGAP	royalblue	-0.346750824	1.22E-14	-0.365853024	3.09E-16
ARL6IP6	royalblue	-0.163484967	0.000389103	-0.199129062	1.46E-05
ARMC8	royalblue	-0.259314363	1.30E-08	-0.276398477	1.23E-09
ARSA	royalblue	0.326075498	4.97E-13	0.326566763	4.57E-13
ASTE1	royalblue	-0.296814745	5.95E-11	-0.294469664	8.53E-11
ATL2	royalblue	-0.214261179	2.98E-06	-0.23210011	3.94E-07
ATP13A3	royalblue	-0.133496977	0.003851082	-0.146402104	0.00151181
ATP6V0A	royalblue	-0.154074819	0.000835884	-0.159447274	0.000542987
BOK	royalblue	0.129695184	0.004999121	0.156297862	0.000700389
BRAP	royalblue	-0.077521767	0.094270465	-0.091088847	0.049152943
C17orf10	royalblue	-0.122110071	0.00825054	-0.132606927	0.00409606
C2orf44	royalblue	-0.13266175	0.004080573	-0.145121423	0.001664523
C3orf17	royalblue	-0.19542455	2.11E-05	-0.224107566	9.96E-07
C5orf30	royalblue	-0.132537561	0.004115732	-0.137997837	0.002803721
C6orf62	royalblue	-0.20377559	9.06E-06	-0.212344716	3.67E-06
CBFA2T2	royalblue	-0.151632419	0.001012434	-0.173122336	0.000170182
CCDC6	royalblue	-0.071921752	0.120641304	-0.061343036	0.185726298
CD47	royalblue	-0.338699909	5.34E-14	-0.331884763	1.80E-13
CDKAL1	royalblue	-0.227470548	6.77E-07	-0.23889232	1.75E-07
CEBPG	royalblue	-0.211855388	3.87E-06	-0.242717837	1.09E-07
CHN1	royalblue	-0.2767568	1.17E-09	-0.270756452	2.73E-09
CMTR1	royalblue	-0.277284509	1.09E-09	-0.285531218	3.28E-10
COMMD	royalblue	-0.140818127	0.002287178	-0.167771638	0.00027084
DCUN1D	royalblue	-0.229648589	5.26E-07	-0.245386369	7.83E-08
DDX55	royalblue	-0.047471376	0.305980286	-0.070312174	0.129199755
DEGS1	royalblue	-0.253451127	2.80E-08	-0.264550937	6.42E-09
DEPDC4	royalblue	-0.009844124	0.831975701	-0.026888133	0.562180975
DHX36	royalblue	-0.216886502	2.24E-06	-0.245657951	7.57E-08
DHX57	royalblue	-0.150211569	0.001130368	-0.178236512	0.000107746
DIRC2	royalblue	-0.06058273	0.191248062	-0.071925738	0.120620672
DLG1	royalblue	-0.092548558	0.045616667	-0.115782943	0.012286367
DNAJC6	royalblue	-0.276823747	1.16E-09	-0.287586333	2.41E-10

DVL3	royalblue	-0.157692564	0.000626087	-0.154564965	0.000804079
DYRK2	royalblue	-0.245115202	8.10E-08	-0.256111485	1.98E-08
E2F6	royalblue	-0.189219849	3.87E-05	-0.219485962	1.68E-06
EED	royalblue	0.014640307	0.75234506	0.008421918	0.855963622
EHHADH	royalblue	-0.285737927	3.18E-10	-0.298720054	4.42E-11
ELOVL7	royalblue	-0.236937065	2.21E-07	-0.250931712	3.88E-08
ERBB4	royalblue	-0.167653886	0.000273581	-0.145858624	0.001574973
ESCO1	royalblue	-0.036112881	0.436233957	-0.06992039	0.131352447
EXO5	royalblue	-0.27374129	1.80E-09	-0.296854661	5.91E-11
FAM131A	royalblue	-0.294529945	8.45E-11	-0.297356142	5.47E-11
FAM216A	royalblue	-0.286605368	2.79E-10	-0.312632091	4.78E-12
FAM60A	royalblue	-0.151553501	0.001018674	-0.187299558	4.64E-05
FANCM	royalblue	-0.079218914	0.087259291	-0.090851852	0.049748179
FAR2	royalblue	-0.141181895	0.002227294	-0.159688372	0.000532405
FASTKD1	royalblue	-0.130076155	0.004871554	-0.148766966	0.001263143
FBXL8	royalblue	0.379482792	1.92E-17	0.409897194	2.39E-20
FBXW4	royalblue	0.265887733	5.35E-09	0.279006907	8.49E-10
FIGN	royalblue	-0.176820745	0.000122436	-0.186668193	4.93E-05
FMR1	royalblue	-0.192069009	2.93E-05	-0.219995289	1.58E-06
FUT8	royalblue	-0.266661192	4.81E-09	-0.269243689	3.37E-09
FXR1	royalblue	-0.283442247	4.46E-10	-0.292537809	1.15E-10
FYTDD1	royalblue	-0.267831915	4.10E-09	-0.283265905	4.57E-10
G2E3	royalblue	-0.132754469	0.0040545	-0.150015757	0.001147579
GFM1	royalblue	-0.147923515	0.001347156	-0.162506551	0.000422128
GHDC	royalblue	0.207092082	6.41E-06	0.206123958	7.10E-06
GPATCH	royalblue	-0.290687773	1.52E-10	-0.319829679	1.44E-12
GPBP1L1	royalblue	-0.14139348	0.002193125	-0.164010943	0.00037236
GPR108	royalblue	0.244966372	8.25E-08	0.259485484	1.27E-08
GPR137C	royalblue	-0.104295731	0.024198706	-0.118036474	0.010683512
GSK3B	royalblue	0.023594394	0.611044191	0.003383086	0.941875046
GXYLT1	royalblue	-0.054394218	0.24072063	-0.087197709	0.059714443
HLTF	royalblue	-0.088867259	0.05497302	-0.111958592	0.01549593
HPS3	royalblue	-0.139763865	0.002469132	-0.15398862	0.000841597
HYLS1	royalblue	-0.101934361	0.02761894	-0.11479397	0.01305442
ICE1	royalblue	-0.250446408	4.13E-08	-0.276049059	1.30E-09
ITPK1	royalblue	0.114233182	0.013508486	0.152630792	0.000936475
IZUMO4	royalblue	0.202756894	1.01E-05	0.21337645	3.28E-06
JADE3	royalblue	-0.164410049	0.000360106	-0.182965746	6.98E-05
KIAA022	royalblue	-0.243086023	1.04E-07	-0.237664534	2.03E-07
KLHL24	royalblue	-0.301509956	2.86E-11	-0.301652239	2.80E-11
KPNA1	royalblue	-0.153630102	0.000865745	-0.175127736	0.000142472
KPNA4	royalblue	-0.185169038	5.68E-05	-0.208753815	5.38E-06
LCLAT1	royalblue	-0.093335019	0.043801659	-0.106346963	0.021531077
LENG9	royalblue	0.264414189	6.54E-09	0.274198692	1.69E-09
LGALS1	royalblue	0.159048358	0.000560925	0.184062584	6.30E-05

LIN28B	royalblue	-0.133056893	0.003970503	-0.148179265	0.001321154
LMF2	royalblue	0.257659614	1.62E-08	0.26873263	3.62E-09
LPHN2	royalblue	-0.306028108	1.40E-11	-0.312222458	5.11E-12
LRRC58	royalblue	-0.032705502	0.480768923	-0.057149312	0.217685863
LSM14A	royalblue	-0.175411381	0.000138914	-0.210894128	4.29E-06
LYPD6	royalblue	-0.076477097	0.098805351	-0.070383121	0.128812866
MAP3K1	royalblue	-0.356113714	2.08E-15	-0.350593986	5.94E-15
MAPKAP	royalblue	-0.086920446	0.060533678	-0.108945505	0.018520891
2-Mar	royalblue	0.199064526	1.47E-05	0.245835789	7.40E-08
MB21D1	royalblue	-0.205882115	7.28E-06	-0.175074812	0.000143146
MB21D2	royalblue	-0.409474707	2.63E-20	-0.434966131	5.61E-23
MBOAT2	royalblue	-0.293413019	1.00E-10	-0.308364832	9.58E-12
MBTD1	royalblue	-0.109679239	0.017740351	-0.1456709	0.001597347
MCCC1	royalblue	-0.175345369	0.000139734	-0.193630969	2.52E-05
MED20	royalblue	-0.082288656	0.075647069	-0.095328858	0.039470791
METTL4	royalblue	-0.165748724	0.000321695	-0.198991646	1.48E-05
MFN1	royalblue	-0.185066257	5.74E-05	-0.193587782	2.53E-05
MGAT4A	royalblue	-0.249110111	4.89E-08	-0.24636592	6.93E-08
MIS18BP	royalblue	-0.196036445	1.99E-05	-0.228794481	5.81E-07
MLK4	royalblue	-0.068150917	0.141421799	-0.091226744	0.048809352
MPP6	royalblue	-0.179413433	9.68E-05	-0.196692525	1.86E-05
MRE11A	royalblue	-0.223655673	1.05E-06	-0.262731428	8.21E-09
MTA3	royalblue	0.087786789	0.058004281	0.048349176	0.297113081
MTPAP	royalblue	-0.088899224	0.054885387	-0.125999574	0.006401959
MURC	royalblue	-0.144101331	0.001796147	-0.178237318	0.000107738
MYNN	royalblue	-0.276460387	1.22E-09	-0.299294226	4.05E-11
NAA25	royalblue	-0.11754352	0.011017364	-0.150285919	0.001123896
NDUFAB1	royalblue	-0.214622785	2.87E-06	-0.229298973	5.48E-07
NINL	royalblue	-0.180636962	8.66E-05	-0.202850492	9.97E-06
NREP	royalblue	-0.188476832	4.15E-05	-0.204583264	8.33E-06
NUP35	royalblue	-0.122416742	0.008089152	-0.139233218	0.002565625
OPA1	royalblue	-0.164701081	0.000351409	-0.164535744	0.000356326
ORC2	royalblue	-0.018676123	0.68728083	-0.03434489	0.459039876
ORC4	royalblue	-0.164997295	0.000342758	-0.185297748	5.61E-05
OSBPL1	royalblue	-0.218987216	1.77E-06	-0.238978466	1.73E-07
OSER1	royalblue	-0.319001876	1.66E-12	-0.339526161	4.60E-14
PAK2	royalblue	-0.116086147	0.012059025	-0.135174066	0.003425224
PANK2	royalblue	-0.207676776	6.03E-06	-0.205071446	7.92E-06
PAPD7	royalblue	-0.269411132	3.30E-09	-0.293320955	1.02E-10
PARD6B	royalblue	-0.225896582	8.12E-07	-0.223151741	1.11E-06
PBX2	royalblue	-0.342591906	2.63E-14	-0.373751054	6.27E-17
PCYT1A	royalblue	-0.22022601	1.54E-06	-0.219458609	1.68E-06
PEMT	royalblue	0.201527672	1.14E-05	0.201072684	1.20E-05
PGBD1	royalblue	-0.169112428	0.000241384	-0.196382872	1.92E-05
PHF6	royalblue	0.021889948	0.637044873	-0.011198082	0.809282599



PIK3CA	royalblue	-0.329732055	2.63E-13	-0.343509265	2.22E-14
PLAG1	royalblue	-0.416615191	4.95E-21	-0.406708122	4.97E-20
PMM1	royalblue	0.331789456	1.83E-13	0.327474352	3.90E-13
PPT1	royalblue	-0.273409829	1.88E-09	-0.302797105	2.33E-11
PRELID2	royalblue	-0.024469504	0.597879532	-0.011510805	0.80406308
PRKCI	royalblue	-0.315384241	3.04E-12	-0.3326379	1.58E-13
PRKRA	royalblue	0.000754449	0.987026893	-0.027962694	0.546656814
PRTFDC1	royalblue	-0.29541485	7.38E-11	-0.320351076	1.32E-12
PTCD3	royalblue	0.016345897	0.724602263	-0.018212467	0.694649996
PTPN2	royalblue	-0.237969907	1.95E-07	-0.264844066	6.17E-09
PURB	royalblue	-0.156656341	0.000680548	-0.164976966	0.000343345
PVRL3	royalblue	-0.177177886	0.000118562	-0.172353886	0.000182081
QTRTD1	royalblue	-0.077647149	0.093737549	-0.120915279	0.008907039
RAB22A	royalblue	-0.135073716	0.003449451	-0.152581669	0.000940085
RAB39B	royalblue	-0.312964935	4.53E-12	-0.320332955	1.33E-12
RALGAP	royalblue	-0.208534363	5.51E-06	-0.232653969	3.69E-07
REEP6	royalblue	0.213054005	3.40E-06	0.221302256	1.37E-06
REST	royalblue	-0.090298343	0.051161872	-0.110951234	0.016455152
RIN1	royalblue	0.082756146	0.073994342	0.108903332	0.018566651
RNF114	royalblue	-0.194807215	2.24E-05	-0.197687787	1.68E-05
RNF168	royalblue	-0.093438485	0.043567467	-0.08556781	0.064664548
RSRC1	royalblue	-0.202865111	9.95E-06	-0.190743242	3.34E-05
SCML2	royalblue	-0.293978637	9.19E-11	-0.30004683	3.60E-11
SEC22A	royalblue	-0.166934968	0.000290887	-0.171852514	0.00019026
SENP2	royalblue	-0.355549172	2.31E-15	-0.372913035	7.44E-17
SENP5	royalblue	-0.304670853	1.73E-11	-0.298765456	4.39E-11
SIKE1	royalblue	-0.136026678	0.003225531	-0.153677893	0.000862489
SIRT5	royalblue	-0.373441662	6.68E-17	-0.391670488	1.43E-18
SLC16A1	royalblue	-0.219664516	1.64E-06	-0.246489745	6.82E-08
SLC25A4	royalblue	-0.173935257	0.00015839	-0.185724849	5.39E-05
SLC25A5	royalblue	-0.081049011	0.080175369	-0.073966542	0.110414233
SLC30A6	royalblue	-0.204267159	8.61E-06	-0.222491529	1.20E-06
SLC38A1	royalblue	-0.218608164	1.85E-06	-0.226333139	7.72E-07
SLC9A7	royalblue	-0.182909322	7.02E-05	-0.168660403	0.000250962
SMC6	royalblue	-0.066026119	0.15428227	-0.114183485	0.013549388
SMIM13	royalblue	-0.25885066	1.38E-08	-0.292231843	1.20E-10
SNIP1	royalblue	-0.172579029	0.000178517	-0.182483712	7.30E-05
SPAST	royalblue	-0.050930089	0.272042142	-0.071778643	0.12138386
SRSF12	royalblue	-0.281898535	5.58E-10	-0.290015682	1.68E-10
SSX2IP	royalblue	-0.049976775	0.281129064	-0.086803462	0.060882108
STK38	royalblue	-0.183185731	6.84E-05	-0.185790009	5.36E-05
SYCE1L	royalblue	0.238273369	1.88E-07	0.228069875	6.32E-07
TAF1B	royalblue	-0.223758897	1.04E-06	-0.251495332	3.61E-08
TAF4B	royalblue	-0.285936876	3.08E-10	-0.332971616	1.49E-13
TBC1D22	royalblue	-0.097488262	0.035194615	-0.109381117	0.018053955

TBCCD1	royalblue	-0.08214886	0.076147086	-0.084531658	0.067983411
TBL1XR1	royalblue	-0.286829774	2.70E-10	-0.293295454	1.02E-10
TCFL5	royalblue	-0.275023706	1.50E-09	-0.288097427	2.24E-10
TFDP2	royalblue	-0.17644454	0.000126645	-0.187169913	4.70E-05
TLE2	royalblue	0.189397393	3.80E-05	0.176975912	0.000120739
TMEM13	royalblue	-0.36792295	2.04E-16	-0.402705045	1.24E-19
TMEM19	royalblue	-0.124306328	0.007155441	-0.137764924	0.002850802
TMEM23	royalblue	-0.224353684	9.69E-07	-0.255511063	2.14E-08
TMSB15	royalblue	-0.118603912	0.010310342	-0.142331645	0.002047315
TOM1	royalblue	0.295191304	7.64E-11	0.303613876	2.05E-11
TRADD	royalblue	0.30876316	8.98E-12	0.352764457	3.94E-15
TRAM1L	royalblue	-0.297985304	4.96E-11	-0.325093998	5.89E-13
TTC9C	royalblue	-0.159101975	0.000558482	-0.167400536	0.000279567
TTPAL	royalblue	-0.12401936	0.007290725	-0.15145202	0.001026751
UBA2	royalblue	-0.186287066	5.11E-05	-0.228330814	6.13E-07
UBE2G2	royalblue	-0.214843291	2.80E-06	-0.239224314	1.68E-07
UBE2V1	royalblue	-0.179195234	9.88E-05	-0.203722315	9.11E-06
UBXN7	royalblue	-0.238102139	1.92E-07	-0.252743363	3.07E-08
URI1	royalblue	-0.313039146	4.47E-12	-0.317947549	1.98E-12
WASF1	royalblue	-0.254241492	2.53E-08	-0.251974963	3.39E-08
WDR33	royalblue	-0.107452471	0.020202128	-0.125347809	0.00668313
WDR88	royalblue	-0.218488038	1.87E-06	-0.231078345	4.45E-07
XPO1	royalblue	-0.143459284	0.001883811	-0.172524744	0.00017937
YEATS2	royalblue	-0.167674494	0.000273099	-0.186381131	5.07E-05
YY1	royalblue	-0.22049219	1.50E-06	-0.235274726	2.70E-07
ZBED9	royalblue	-0.36304733	5.38E-16	-0.387252293	3.71E-18
ZBTB33	royalblue	-0.100442926	0.02998686	-0.118608476	0.010307388
ZC3H8	royalblue	-0.21839179	1.89E-06	-0.246813254	6.55E-08
ZCCHC3	royalblue	-0.200900941	1.22E-05	-0.215273534	2.67E-06
ZDHHC1	royalblue	-0.09732036	0.035512345	-0.101487855	0.028310383
ZDHHC2	royalblue	-0.030299507	0.513644702	-0.045063223	0.331195651
ZFP69	royalblue	-0.256659964	1.84E-08	-0.272777184	2.06E-09
ZKSCAN	royalblue	-0.198092846	1.62E-05	-0.221628038	1.32E-06
ZKSCAN	royalblue	-0.045175509	0.329990962	-0.06689847	0.148899053
ZNF146	royalblue	-0.159245773	0.00055198	-0.193663929	2.51E-05
ZNF239	royalblue	-0.201406589	1.16E-05	-0.246175096	7.09E-08
ZNF343	royalblue	-0.289309782	1.87E-10	-0.317267256	2.22E-12
ZNF485	royalblue	-0.035270236	0.447021382	-0.076527509	0.098582595
ZNF512	royalblue	-0.464413164	2.33E-26	-0.453381065	4.71E-25
ZNF639	royalblue	-0.253920971	2.64E-08	-0.264898593	6.12E-09
ZNF714	royalblue	0.033474682	0.470505016	0.021913273	0.636685929
AACS	saddlebrow	0.259911342	1.20E-08	0.269697933	3.17E-09
AC11449	saddlebrow	0.274260245	1.67E-09	0.290830837	1.48E-10
ACAA2	saddlebrow	-0.175827032	0.00013385	-0.185178633	5.68E-05
ACSL5	saddlebrow	0.160997189	0.000478226	0.153830756	0.000852152

ADAM28	saddlebrow	0.304967498	1.65E-11	0.274123174	1.70E-09
ANO1	saddlebrow	0.215327531	2.65E-06	0.209824901	4.80E-06
AQP5	saddlebrow	0.235857446	2.52E-07	0.25405617	2.59E-08
ARF1	saddlebrow	0.325971025	5.06E-13	0.344018017	2.02E-14
ARFIP2	saddlebrow	0.396471659	4.98E-19	0.403090425	1.13E-19
ARSD	saddlebrow	0.401973289	1.46E-19	0.398324355	3.30E-19
ATP2C2	saddlebrow	0.432139296	1.14E-22	0.42750532	3.58E-22
B4GALN1	saddlebrow	0.356187279	2.05E-15	0.363633983	4.79E-16
B4GALT1	saddlebrow	0.328113736	3.49E-13	0.330816741	2.18E-13
BACE2	saddlebrow	0.124062452	0.007270266	0.128733186	0.005334748
BCAS4	saddlebrow	-0.277615707	1.04E-09	-0.259293298	1.30E-08
C1orf64	saddlebrow	0.234410237	3.00E-07	0.262866142	8.07E-09
C4BPA	saddlebrow	0.259022696	1.35E-08	0.259462022	1.27E-08
C5AR2	saddlebrow	0.221414152	1.35E-06	0.231468135	4.25E-07
C9orf152	saddlebrow	0.440444665	1.39E-23	0.448236743	1.84E-24
CA8	saddlebrow	0.294436036	8.57E-11	0.261532678	9.65E-09
CAPN6	saddlebrow	0.251907888	3.42E-08	0.271531984	2.45E-09
CCDC129	saddlebrow	0.122249234	0.008176952	0.103060502	0.025939194
CEACAM5	saddlebrow	0.370823306	1.14E-16	0.3681441	1.95E-16
CES3	saddlebrow	0.391543034	1.47E-18	0.378662751	2.27E-17
CHDH	saddlebrow	0.340300437	4.00E-14	0.322928622	8.53E-13
CISH	saddlebrow	0.308361531	9.58E-12	0.308648996	9.15E-12
CLDN6	saddlebrow	-0.340823476	3.63E-14	-0.351269981	5.23E-15
CPVL	saddlebrow	-0.463998889	2.61E-26	-0.462398068	4.07E-26
CREB3L1	saddlebrow	0.314355311	3.60E-12	0.322822715	8.69E-13
CREB3L4	saddlebrow	0.403202657	1.10E-19	0.40655075	5.15E-20
CRYL1	saddlebrow	0.33892321	5.13E-14	0.345780642	1.46E-14
CTNNB1	saddlebrow	0.379700538	1.83E-17	0.374303799	5.60E-17
CYB561	saddlebrow	0.317875732	2.00E-12	0.33090437	2.14E-13
CYB5R1	saddlebrow	0.221398699	1.35E-06	0.215966774	2.47E-06
CYP2J2	saddlebrow	0.150574485	0.001099098	0.144664661	0.001722326
CYP4X1	saddlebrow	0.274689701	1.57E-09	0.255437786	2.16E-08
DACT2	saddlebrow	0.162898876	0.000408584	0.140676721	0.002310851
DEPTOR	saddlebrow	0.247282923	6.17E-08	0.247703923	5.85E-08
DNAJC22	saddlebrow	0.294723496	8.20E-11	0.305359346	1.55E-11
DOCK5	saddlebrow	0.243430942	9.99E-08	0.234875517	2.84E-07
ENTPD3	saddlebrow	0.327626112	3.80E-13	0.312995549	4.50E-12
EPHB2	saddlebrow	-0.366775623	2.57E-16	-0.369263657	1.56E-16
EPHX1	saddlebrow	0.391496071	1.48E-18	0.39510617	6.73E-19
ERGIC1	saddlebrow	0.350142688	6.47E-15	0.363355198	5.06E-16
ERMN	saddlebrow	0.306454992	1.30E-11	0.285121814	3.48E-10
ESR1	saddlebrow	0.238444675	1.84E-07	0.243046805	1.05E-07
FAM174E	saddlebrow	0.252234478	3.28E-08	0.256573915	1.86E-08
FAM189A	saddlebrow	0.15632632	0.000698795	0.142987163	0.001950755
FAM46C	saddlebrow	0.337126917	7.09E-14	0.347576361	1.05E-14

FBLN1	saddlebrow	0.098892732	0.032630337	0.099580448	0.031434013
FCHO1	saddlebrow	-0.267195891	4.47E-09	-0.249740558	4.52E-08
FOLH1	saddlebrow	0.227075894	7.09E-07	0.23206576	3.96E-07
FOXA2	saddlebrow	0.40749345	4.15E-20	0.39971027	2.42E-19
GALNT1	saddlebrow	0.449178856	1.44E-24	0.454884763	3.15E-25
GALNT1	saddlebrow	0.273492743	1.86E-09	0.286849896	2.69E-10
GCNT1	saddlebrow	0.281134468	6.24E-10	0.26107249	1.03E-08
GCNT2	saddlebrow	0.311986947	5.31E-12	0.320668822	1.25E-12
GCNT3	saddlebrow	0.255995632	2.01E-08	0.288198964	2.20E-10
GDF5	saddlebrow	0.13983266	0.002456867	0.145156449	0.001660165
GLIS2	saddlebrow	-0.41762054	3.90E-21	-0.401078442	1.78E-19
GLYATL	saddlebrow	0.391073559	1.63E-18	0.39063328	1.79E-18
GNB5	saddlebrow	0.154816919	0.000788168	0.14699332	0.001445746
GREB1	saddlebrow	0.135533262	0.003339766	0.102080736	0.027395452
GRIN1	saddlebrow	0.398355186	3.28E-19	0.400235336	2.15E-19
HADH	saddlebrow	0.315606416	2.93E-12	0.321489603	1.09E-12
HGD	saddlebrow	0.371607925	9.70E-17	0.382012694	1.13E-17
HID1	saddlebrow	0.241691258	1.24E-07	0.237842486	1.98E-07
HIF3A	saddlebrow	-0.48603522	4.65E-29	-0.495652482	2.53E-30
HMGA2	saddlebrow	-0.191565009	3.08E-05	-0.200107537	1.32E-05
HOXA4	saddlebrow	-0.265992796	5.28E-09	-0.276439683	1.23E-09
HPX	saddlebrow	0.191408889	3.13E-05	0.197622142	1.69E-05
IGF2BP2	saddlebrow	-0.358592134	1.29E-15	-0.363572796	4.85E-16
IHH	saddlebrow	0.274532222	1.61E-09	0.254758171	2.36E-08
IL20RA	saddlebrow	0.332893805	1.51E-13	0.336169441	8.42E-14
IQCJ-SCF	saddlebrow	-0.316276767	2.62E-12	-0.329255621	2.86E-13
ITM2C	saddlebrow	-0.305056783	1.63E-11	-0.322933137	8.52E-13
KDM4B	saddlebrow	0.494969765	3.12E-30	0.486475221	4.08E-29
KIAA132	saddlebrow	0.408633857	3.19E-20	0.418540071	3.13E-21
L1CAM	saddlebrow	-0.388612247	2.77E-18	-0.39961452	2.47E-19
LRP5L	saddlebrow	0.214537887	2.89E-06	0.202453865	1.04E-05
LRRC26	saddlebrow	0.406275492	5.49E-20	0.412867823	1.20E-20
LRRC3	saddlebrow	-0.277764186	1.02E-09	-0.300922408	3.14E-11
MAL	saddlebrow	-0.178594054	0.000104307	-0.167813952	0.000269861
MANSC1	saddlebrow	0.372993482	7.32E-17	0.364404213	4.11E-16
MAP2K6	saddlebrow	0.303471412	2.10E-11	0.305749589	1.46E-11
MCF2L	saddlebrow	0.300224065	3.50E-11	0.283714375	4.28E-10
MLPH	saddlebrow	0.344496912	1.85E-14	0.361280214	7.61E-16
MMP26	saddlebrow	0.12381571	0.007388114	0.08085778	0.080893071
MUC5AC	saddlebrow	0.139492393	0.002518075	0.185680969	5.41E-05
MUC5B	saddlebrow	0.329329543	2.82E-13	0.343887238	2.07E-14
NAAA	saddlebrow	0.187808844	4.42E-05	0.193659964	2.51E-05
NCMAP	saddlebrow	0.265571818	5.59E-09	0.261357016	9.88E-09
PGR	saddlebrow	0.196433855	1.91E-05	0.167818894	0.000269747
PIGR	saddlebrow	0.333450929	1.37E-13	0.354221654	2.98E-15

PIK3R3	saddlebrow	0.432015549	1.17E-22	0.448035926	1.94E-24
PLLP	saddlebrow	0.209251026	5.11E-06	0.223922293	1.02E-06
POC1B-Gs	saddlebrow	0.273975838	1.74E-09	0.265709006	5.48E-09
PORCN	saddlebrow	0.145366354	0.001634265	0.133071506	0.003966484
PPAP2C	saddlebrow	0.42591544	5.29E-22	0.441592199	1.04E-23
RBBP7	saddlebrow	0.301034038	3.08E-11	0.294492634	8.50E-11
RNF183	saddlebrow	0.294942461	7.93E-11	0.30719618	1.16E-11
RSPO4	saddlebrow	-0.42985789	2.01E-22	-0.442901768	7.41E-24
SCGB2A2	saddlebrow	0.342956846	2.46E-14	0.352102952	4.47E-15
SELENBI	saddlebrow	0.19560985	2.07E-05	0.196434827	1.91E-05
SERINC2	saddlebrow	0.339160166	4.92E-14	0.363139773	5.28E-16
SH2D4A	saddlebrow	0.349685112	7.05E-15	0.339461801	4.65E-14
SLC25A3	saddlebrow	0.288000363	2.27E-10	0.276856834	1.16E-09
SLC43A1	saddlebrow	0.263228859	7.68E-09	0.246701304	6.64E-08
SLC44A3	saddlebrow	0.22018598	1.55E-06	0.204150357	8.72E-06
SLC47A1	saddlebrow	0.303896673	1.96E-11	0.272920605	2.02E-09
SLC5A1	saddlebrow	0.345884402	1.43E-14	0.335574561	9.37E-14
SLC6A12	saddlebrow	-0.36362976	4.80E-16	-0.359542842	1.07E-15
SLCO3A1	saddlebrow	-0.387467875	3.54E-18	-0.38191891	1.15E-17
SPDEF	saddlebrow	0.449874432	1.20E-24	0.468793336	6.85E-27
SPINK4	saddlebrow	0.23838565	1.86E-07	0.249825587	4.47E-08
SRD5A3	saddlebrow	0.375853422	4.07E-17	0.387617232	3.43E-18
ST6GALN	saddlebrow	0.20652677	6.80E-06	0.244156109	9.13E-08
STEAP1	saddlebrow	0.30808642	1.00E-11	0.292908493	1.08E-10
STX19	saddlebrow	0.247925251	5.69E-08	0.25099783	3.85E-08
STXBP6	saddlebrow	0.281736161	5.72E-10	0.287557766	2.42E-10
TBC1D30	saddlebrow	0.329523209	2.73E-13	0.317389869	2.17E-12
TFF3	saddlebrow	0.431515006	1.33E-22	0.456099907	2.27E-25
TMC5	saddlebrow	0.297351969	5.47E-11	0.311110094	6.13E-12
TMEM21	saddlebrow	0.384172964	7.15E-18	0.370117463	1.31E-16
TMEM21	saddlebrow	0.297151214	5.64E-11	0.30551839	1.51E-11
TMEM62	saddlebrow	0.429436272	2.23E-22	0.441726883	1.00E-23
TMEM63	saddlebrow	0.305520093	1.51E-11	0.309462927	8.02E-12
TMPRSS1	saddlebrow	0.2706234	2.78E-09	0.252262511	3.27E-08
TNNT1	saddlebrow	-0.261629933	9.52E-09	-0.25568264	2.10E-08
TRIM3	saddlebrow	0.304483562	1.79E-11	0.313682869	4.02E-12
TRPM4	saddlebrow	0.406550625	5.15E-20	0.41788074	3.67E-21
TSKU	saddlebrow	0.287967941	2.28E-10	0.30003793	3.60E-11
TSPAN8	saddlebrow	0.233709872	3.26E-07	0.235092261	2.76E-07
TUBA3D	saddlebrow	0.01245174	0.788411717	-0.008044814	0.862347395
TUBB4A	saddlebrow	-0.278966769	8.54E-10	-0.29294519	1.08E-10
VIM	saddlebrow	0.136185763	0.003189463	0.148578713	0.001281465
VMAC	saddlebrow	0.421975914	1.38E-21	0.435211539	5.27E-23
ZG16B	saddlebrow	0.282773627	4.91E-10	0.28844541	2.12E-10
ZNF516	saddlebrow	0.04347965	0.348486766	0.021343446	0.645478837

AAAS	salmon	0.053195088	0.251262923	0.027670833	0.550852313
AAK1	salmon	-0.241019516	1.35E-07	-0.238038219	1.94E-07
ABCA1	salmon	-0.146429662	0.00150867	-0.132618052	0.004092913
AC00300	salmon	-0.069136802	0.135740984	-0.057043751	0.218538253
AC07365	salmon	0.11079309	0.016610368	0.095463266	0.039192357
AC09015	salmon	-0.189926669	3.61E-05	-0.202190906	1.07E-05
AC09118	salmon	-0.075731214	0.102148159	-0.072163345	0.119395792
AGO1	salmon	-0.210325707	4.55E-06	-0.208625699	5.46E-06
AGO2	salmon	-0.166415311	0.000304028	-0.191622836	3.06E-05
AGO3	salmon	-0.183288135	6.77E-05	-0.200665436	1.25E-05
AK1	salmon	0.04055388	0.381907068	0.070250426	0.129537209
AKAP13	salmon	-0.004414976	0.92419314	-0.014799129	0.749747538
ALKBH4	salmon	-0.026183572	0.572473673	-0.008530885	0.854120728
ANKRD6	salmon	-0.243239556	1.02E-07	-0.252770692	3.06E-08
ARF5	salmon	0.17700539	0.000120419	0.192659101	2.77E-05
ARFGEF2	salmon	-0.076083011	0.100560505	-0.097837971	0.034540595
ARHGAP	salmon	0.148047623	0.00133448	0.123754319	0.007417699
ARPC4	salmon	0.132856172	0.004026075	0.161018337	0.000477395
ASXL1	salmon	-0.356824527	1.81E-15	-0.390580527	1.81E-18
ASXL2	salmon	-0.096324828	0.037446783	-0.118059106	0.010668402
ATP5G2	salmon	0.195408081	2.11E-05	0.191947876	2.97E-05
ATP6V1F	salmon	0.059368106	0.200317633	0.083071258	0.07289701
ATP9B	salmon	0.107754213	0.019852029	0.101073228	0.028965721
ATRAID	salmon	-0.033036144	0.476342012	-0.022265799	0.631271502
B3GALN	salmon	0.134944792	0.003480804	0.102260306	0.027123405
B3GALT	salmon	-0.110424572	0.016977044	-0.115508884	0.012495104
BANF1	salmon	-0.044424685	0.338100215	-0.054734441	0.237786915
BIRC6	salmon	-0.07197815	0.120349647	-0.084541826	0.067950175
BMP2K	salmon	0.050024575	0.280668597	0.052406374	0.258369615
BOD1L1	salmon	-0.092403131	0.045959112	-0.110528015	0.01687341
C10orf12	salmon	0.029876356	0.519544942	0.023967061	0.605422323
C12orf10	salmon	-0.024828905	0.592510365	-0.024741007	0.593821456
C14orf1	salmon	0.16080583	0.000485814	0.135380886	0.003375779
C19orf53	salmon	-0.01594378	0.731112172	-0.003005221	0.948357548
C1QL3	salmon	-0.016573321	0.720929206	-0.040226136	0.385769125
C2orf16	salmon	-0.304676826	1.73E-11	-0.301699925	2.77E-11
C5orf42	salmon	-0.193327475	2.59E-05	-0.209603562	4.92E-06
C7orf55	salmon	0.055329899	0.232713079	0.066438427	0.151719854
CBL	salmon	-0.121055963	0.008827394	-0.135390259	0.003373554
CCDC107	salmon	0.138725751	0.002661105	0.139178655	0.002575739
CCRN4L	salmon	0.237442978	2.08E-07	0.225763908	8.24E-07
CD63	salmon	0.087237939	0.059596338	0.099506833	0.031560252
CDK5RA	salmon	0.080676276	0.08157907	0.070008158	0.130867804
CDK6	salmon	-0.267630847	4.21E-09	-0.262065567	8.98E-09
CDKL2	salmon	-0.258752476	1.40E-08	-0.250612264	4.04E-08

CDKL5	salmon	-0.217069892	2.19E-06	-0.24349926	9.91E-08
CDPF1	salmon	0.217113885	2.18E-06	0.209105038	5.18E-06
CH17-14C	salmon	-0.040477149	0.382809129	-0.068846779	0.137393593
CLASP1	salmon	-0.087297638	0.059421436	-0.104560041	0.023839678
CNPY3	salmon	-0.041267833	0.373576244	-0.037721577	0.416060398
COBLL1	salmon	0.007636256	0.869273752	0.010871038	0.814750184
COPS6	salmon	0.018773969	0.685729452	0.04067205	0.380520406
CRYBG3	salmon	-0.169829004	0.000226898	-0.153438502	0.000878911
CTD-258	salmon	-0.015565455	0.737254588	-0.054593537	0.238998854
CYB5RL	salmon	0.014592734	0.753123642	-0.014101341	0.761180464
DGCR14	salmon	0.066649762	0.150419033	0.055065263	0.234958478
DGCR6L	salmon	0.080173167	0.083505201	0.090830298	0.049802612
DHRS4L2	salmon	0.076390369	0.099189507	0.095208685	0.039721153
DNAJC17	salmon	0.231500025	4.23E-07	0.23710218	2.17E-07
DOCK4	salmon	-0.235012961	2.79E-07	-0.225815108	8.20E-07
DRAP1	salmon	-0.068152451	0.141412821	-0.062106045	0.180303932
DSE	salmon	-0.212625459	3.56E-06	-0.211711082	3.93E-06
DYNLRB	salmon	-0.009033275	0.845634442	0.02297154	0.620491321
ECH1	salmon	0.062574731	0.177031828	0.078420819	0.090502259
EPB41L4	salmon	-0.05486866	0.236636501	-0.065496221	0.157623451
EPG5	salmon	-0.050859519	0.272707859	-0.065420864	0.158103007
EPHA6	salmon	-0.223825218	1.03E-06	-0.220440513	1.51E-06
ERCC1	salmon	0.045787912	0.323470457	0.041021927	0.37643287
ERP29	salmon	0.171087556	0.000203405	0.152052642	0.000979794
FAM160A	salmon	0.045863954	0.322666697	0.068276522	0.140688085
FAM169A	salmon	0.017570329	0.704903465	-0.004445552	0.923669727
FAM83B	salmon	-0.017405233	0.707548414	-0.019981111	0.666700139
FAM89B	salmon	0.000101314	0.998257788	0.016754983	0.717999847
FAU	salmon	-0.011716788	0.800629861	-0.005158877	0.91146867
FRK	salmon	-0.0066164	0.886606108	0.008518088	0.854337113
GAFA3	salmon	0.115818721	0.012259345	0.091826118	0.047339185
GAN	salmon	0.026682583	0.565174572	0.040623917	0.381084853
GIT2	salmon	-0.106240449	0.021663038	-0.116078738	0.012064536
GLIS3	salmon	0.124147179	0.007230188	0.133086241	0.003962435
GNPTG	salmon	0.094353759	0.041541307	0.097704505	0.034788969
GOLGA3	salmon	0.144305696	0.001769037	0.161892413	0.000444171
GPATCH	salmon	-0.141605183	0.002159417	-0.164247939	0.000365037
GPLD1	salmon	-0.243441377	9.98E-08	-0.270382167	2.88E-09
GPR75	salmon	-0.186381199	5.07E-05	-0.171307287	0.000199545
GSTK1	salmon	0.279722324	7.66E-10	0.293213455	1.03E-10
HECW2	salmon	-0.142238724	0.00206135	-0.135627007	0.003317784
HELB	salmon	-0.102442655	0.026849532	-0.09747381	0.035221867
HERC1	salmon	-0.065502107	0.157586041	-0.070444666	0.128477975
HHLA3	salmon	0.118632568	0.010291807	0.121374129	0.008649607
HIPK2	salmon	-0.103876073	0.024778352	-0.11562649	0.012405149

HIVEP1	salmon	-0.083398943	0.071770009	-0.087129229	0.059915924
HIVEP2	salmon	-0.212668393	3.54E-06	-0.209152556	5.16E-06
HMCN1	salmon	-0.017203457	0.710785783	-0.027661549	0.550986033
IFI27L1	salmon	0.130605408	0.004699206	0.125106413	0.006790044
IFI27L2	salmon	-0.274398611	1.64E-09	-0.268928574	3.52E-09
IFNAR2	salmon	-0.255254061	2.22E-08	-0.240917048	1.36E-07
IGF2BP3	salmon	-0.153536007	0.000872188	-0.171519726	0.000195878
INPP4A	salmon	-0.2469617	6.42E-08	-0.265138973	5.93E-09
ITGA4	salmon	0.094671591	0.040856581	0.108061012	0.019501489
JAGN1	salmon	0.007193466	0.876791743	0.02311676	0.618283036
JRK	salmon	-0.143578926	0.001867184	-0.171185225	0.000201681
KALRN	salmon	-0.286007689	3.05E-10	-0.300215696	3.50E-11
KAT6A	salmon	-0.122106023	0.008252689	-0.152226034	0.000966612
KDM5A	salmon	-0.115023594	0.012872413	-0.132535005	0.004116459
KIAA035	salmon	-0.14194332	0.002106558	-0.165798771	0.000320336
KIAA201	salmon	0.052421119	0.258235497	0.033674417	0.467859627
KIF3B	salmon	0.066168399	0.153394344	0.058383425	0.207896835
KLHL11	salmon	0.072514545	0.117603148	0.058056437	0.210458975
KMT2A	salmon	-0.076791868	0.097421025	-0.106224027	0.021683447
KRBA2	salmon	0.018527905	0.689633368	0.030943218	0.504736183
LAMTOR	salmon	0.025850079	0.577376467	0.054606291	0.238888971
LARP4B	salmon	0.115449771	0.012540536	0.100702373	0.02956286
LENG1	salmon	-0.044163614	0.340949547	-0.032349265	0.485563398
LONRF3	salmon	0.078279891	0.091084819	0.061745575	0.182850846
LTB4R2	salmon	0.003961701	0.931956131	-0.002805683	0.95178214
LY6G5B	salmon	-0.166232825	0.000308772	-0.176634827	0.000124499
MACC1	salmon	-0.193772778	2.48E-05	-0.173210851	0.000168859
MACF1	salmon	-0.107527583	0.020114481	-0.125378553	0.006669623
MAP3K9	salmon	0.138993745	0.002610286	0.133200787	0.003931092
MICAL3	salmon	-0.113197269	0.014383944	-0.152971417	0.000911787
MICAL3	salmon	0.154259857	0.000823743	0.145473766	0.001621156
MID2	salmon	-0.132175211	0.004219891	-0.146101587	0.001546442
MIEN1	salmon	0.029250517	0.528334853	0.034141857	0.461700833
MKL2	salmon	-0.066848981	0.149200571	-0.074060847	0.109959559
MRPL40	salmon	0.201008028	1.20E-05	0.207720843	6.00E-06
MVB12A	salmon	-0.08514515	0.0660019	-0.058858929	0.204211337
MYCBP2	salmon	-0.124476306	0.007076373	-0.142106617	0.002081457
MYL6	salmon	-0.047226177	0.308488122	-0.022730241	0.624168173
MYO5A	salmon	-0.243746602	9.61E-08	-0.219700113	1.64E-06
MZT2A	salmon	-0.020004666	0.666330897	-0.038508814	0.406391639
MZT2B	salmon	0.083029177	0.073042779	0.075459345	0.103388668
NBPF26	salmon	-0.132129897	0.004233082	-0.144513473	0.00174186
NEDD8	salmon	-0.018943141	0.683050289	-0.002779452	0.952232405
NFAT5	salmon	0.005304216	0.908985174	0.002908624	0.950015283
NFKBIL1	salmon	-0.11144525	0.015978433	-0.125981656	0.006409545



NHSL2	salmon	-0.058404064	0.207735873	-0.066425498	0.151799713
NOD1	salmon	-0.057369608	0.215914667	-0.090606581	0.050370534
NOS1AP	salmon	0.051506794	0.266643388	0.024970418	0.590402337
NOXA1	salmon	0.159773808	0.000528701	0.154620901	0.000800521
NPC2	salmon	0.012658897	0.784977078	0.032899255	0.478172087
NT5C	salmon	0.046449387	0.316522156	0.038667664	0.404456995
OTULIN	salmon	-0.086086271	0.063054596	-0.069076405	0.136083869
PCDHAC	salmon	-0.049450889	0.286228688	-0.025783392	0.578359225
PCDHGA	salmon	-0.193824056	2.47E-05	-0.194695591	2.27E-05
PCDHGB	salmon	-0.111917661	0.015533928	-0.103729006	0.024984303
PCDHGC	salmon	0.094254841	0.041756378	0.092294575	0.046216141
PCLO	salmon	-0.003266364	0.943877096	-0.001363857	0.97655017
PCNX	salmon	-0.102421393	0.026881343	-0.128431722	0.005444023
PCSK7	salmon	0.02112339	0.648887834	0.023206633	0.616918104
PDIA3	salmon	0.176696609	0.00012381	0.174593214	0.000149412
PDZD2	salmon	-0.170075845	0.000222099	-0.20548216	7.59E-06
PEAK1	salmon	-0.051480488	0.266888039	-0.061806375	0.182419407
PEBP1	salmon	0.182075682	7.58E-05	0.189216961	3.87E-05
PER2	salmon	0.067411647	0.145799735	0.062898748	0.17479564
PFDN2	salmon	0.161934195	0.000442638	0.158327414	0.000594747
PGLS	salmon	0.045200098	0.329727528	0.061870426	0.181965715
PHC3	salmon	-0.212521058	3.60E-06	-0.21209199	3.77E-06
PHLPP2	salmon	-0.097181348	0.035777249	-0.096355978	0.037384927
PLEKHM	salmon	-0.154557489	0.000804555	-0.156879967	0.000668436
PMF1-BG	salmon	-0.079948004	0.08437904	-0.09449018	0.041246229
POMK	salmon	0.091957309	0.047022394	0.077335223	0.095067821
PPARA	salmon	-0.016541496	0.72144283	-0.031943974	0.491049299
PPIB	salmon	0.264230667	6.71E-09	0.260370812	1.13E-08
PRDX5	salmon	0.010708221	0.817475574	0.029596176	0.523470754
PRKCE	salmon	-0.279589722	7.81E-10	-0.280873677	6.48E-10
PRR13	salmon	0.053610278	0.24757698	0.064696139	0.162771369
PRRC2C	salmon	0.053999328	0.244157496	0.022312919	0.630549269
PSMB4	salmon	0.070687637	0.127162465	0.088613703	0.055672285
PSMD4	salmon	0.041477348	0.371152929	0.054525752	0.23958343
PTPN14	salmon	-0.158495297	0.000586706	-0.168223996	0.000260546
PTRHD1	salmon	0.016789323	0.717446567	0.012386286	0.789497795
RAB13	salmon	0.0870102	0.060267469	0.079301305	0.086929895
RAB24	salmon	-0.031579914	0.496005274	-0.041353568	0.372583426
RAD54L2	salmon	0.004158224	0.928589557	-0.012429259	0.7887847
RALGAP	salmon	0.19749888	1.72E-05	0.188370021	4.19E-05
RBM33	salmon	-0.131873559	0.004308412	-0.154467195	0.000810332
REL	salmon	0.005705569	0.902131683	-0.001759237	0.969755
RELL1	salmon	0.090170972	0.051491887	0.09824484	0.033792731
RHOC	salmon	0.270302633	2.91E-09	0.28401333	4.10E-10
RING1	salmon	-0.147854851	0.001354216	-0.152138945	0.000973213

RNF152	salmon	-0.128073968	0.005576313	-0.127897928	0.005642464
RNF169	salmon	-0.02197134	0.635792738	-0.048066125	0.299953451
RNF25	salmon	-0.064558468	0.163669776	-0.045931605	0.321952707
RP11-101	salmon	0.099411624	0.031724165	0.091879957	0.047208962
RP11-449	salmon	-0.069498011	0.133704184	-0.077633455	0.093795635
RP11-849	salmon	-0.014017524	0.762557321	-0.028250508	0.542534986
RPP25L	salmon	0.099770635	0.031109866	0.121051726	0.008829784
RPS16	salmon	-0.069659987	0.132798521	-0.068222235	0.141004841
RTEL1	salmon	-0.077795124	0.093111707	-0.107966375	0.01960904
SAMD12	salmon	-0.199524639	1.40E-05	-0.221415728	1.35E-06
SAT2	salmon	0.261843951	9.25E-09	0.253553601	2.77E-08
SCNM1	salmon	-0.065197441	0.159531292	-0.054728202	0.237840481
SCRN2	salmon	0.138406993	0.002722724	0.134987305	0.003470437
SEPW1	salmon	0.132605544	0.004096452	0.184855945	5.85E-05
SH3BGR1	salmon	0.1712068	0.000201302	0.218711496	1.83E-06
SHPRH	salmon	-0.102734615	0.026415986	-0.121058154	0.008826159
SHROOM	salmon	-0.194675726	2.27E-05	-0.221882819	1.28E-06
SIK2	salmon	0.023246969	0.616305928	-0.001832386	0.96849805
SIK3	salmon	-0.074465777	0.108024018	-0.093162504	0.044194501
SLC35E2	salmon	0.045345525	0.328172278	0.04847716	0.295834684
SLIT2	salmon	-0.164804602	0.000348363	-0.148550139	0.001284267
SOX6	salmon	0.035485601	0.44425001	0.050943919	0.271911803
SPAG7	salmon	0.0414244	0.371764419	0.043630937	0.346810574
SPIRE1	salmon	-0.259693761	1.23E-08	-0.259454965	1.27E-08
SRGAP1	salmon	-0.128503908	0.005417675	-0.126572494	0.006163613
SRGAP2I	salmon	-0.108888874	0.018582361	-0.156406925	0.000694297
SSBP4	salmon	-0.10014757	0.030475876	-0.078134518	0.091688902
STX8	salmon	0.202137685	1.07E-05	0.20634609	6.93E-06
SWSAP1	salmon	-0.14496279	0.001684393	-0.1134552	0.014161425
SYDE2	salmon	-0.268767315	3.60E-09	-0.284324561	3.91E-10
SYNE2	salmon	-0.024699153	0.594446218	-0.040997411	0.376718401
SYNGAP	salmon	-0.27306398	1.98E-09	-0.294472532	8.53E-11
SYNJ2	salmon	0.003496603	0.939928317	0.006926931	0.881322542
SZT2	salmon	-0.220273369	1.54E-06	-0.231005561	4.49E-07
TADA3	salmon	0.162643253	0.000417362	0.164521713	0.000356746
TANC1	salmon	0.005678965	0.902585749	-0.01070627	0.817508245
TANC2	salmon	-0.368607961	1.78E-16	-0.392924148	1.09E-18
TBC1D9	salmon	-0.029758159	0.521199241	-0.023124495	0.618165504
TCP11L1	salmon	-0.015739773	0.73442229	-0.037332813	0.420884645
TCP11L2	salmon	-0.079590497	0.085781633	-0.07713202	0.095942498
TEP1	salmon	0.242687132	1.10E-07	0.245244549	7.97E-08
TET1	salmon	-0.053895246	0.245069049	-0.075002731	0.10549898
THAP3	salmon	0.025843624	0.577471558	0.024302431	0.600382953
THAP7	salmon	0.094366145	0.041514443	0.081145481	0.079815273
TMEM14	salmon	0.200049912	1.33E-05	0.210124315	4.65E-06

TMEM25 salmon	0.180305625	8.92E-05	0.166399241	0.000304443
TMPPE salmon	0.004343805	0.925411592	0.02642312	0.5689642
TNRC6B salmon	-0.04032743	0.38457298	-0.045538298	0.326118031
TRAPPC1salmon	0.184711118	5.93E-05	0.20955255	4.94E-06
TRAPPC6salmon	0.097821213	0.034571699	0.10526375	0.022906157
TRIO salmon	-0.215570678	2.58E-06	-0.214728487	2.83E-06
TRMT112salmon	-0.050306944	0.277958948	-0.046572371	0.315241146
TTC28 salmon	0.025015211	0.589735806	0.022718628	0.624345367
TULP4 salmon	0.091167353	0.048957086	0.077638349	0.093774871
UBXN1 salmon	-0.080483029	0.082314616	-0.086026529	0.063238407
USE1 salmon	-0.192104569	2.92E-05	-0.192881712	2.71E-05
USP24 salmon	-0.096179066	0.037737386	-0.123342365	0.007618983
USP31 salmon	-0.221934081	1.27E-06	-0.232306392	3.85E-07
USP34 salmon	-0.045042267	0.331420798	-0.077354444	0.094985415
USP37 salmon	0.036491514	0.431435866	0.015343794	0.74086126
VPS13B salmon	-0.099000226	0.032440821	-0.128362183	0.005469514
WDR7 salmon	0.097853502	0.034511792	0.095679731	0.038747433
ZBED6 salmon	0.067277229	0.146606754	0.04245869	0.359932371
ZC3HAV1salmon	-0.021737827	0.639387855	-0.021936432	0.63632964
ZCCHC11salmon	-0.12627126	0.006287921	-0.154987801	0.000777544
ZFHX3 salmon	0.184858249	5.85E-05	0.186536415	4.99E-05
ZFYVE26salmon	-0.005365825	0.907932688	-0.01430405	0.757853682
ZHX3 salmon	-0.13780104	0.002843455	-0.155400665	0.000752419
ZMAT5 salmon	0.090468015	0.050725	0.06927274	0.134971667
ZNF221 salmon	0.066713725	0.150027002	0.056521017	0.22279452
ZNF236 salmon	0.041748513	0.368031034	0.020344374	0.661014592
ZNF264 salmon	0.04691248	0.311716235	0.052941866	0.253529605
ZNF275 salmon	-0.142321038	0.002048912	-0.148520839	0.001287146
ZNF407 salmon	-0.091051037	0.049247507	-0.106979175	0.02076209
ZNF417 salmon	-0.059940017	0.196008935	-0.069866197	0.131652386
ZNF460 salmon	-0.086730426	0.06110048	-0.081906621	0.077019872
ZNF462 salmon	-0.111411741	0.016010381	-0.147381581	0.001403815
ZNF490 salmon	-0.007007921	0.879945393	-0.000604629	0.989602957
ZNF543 salmon	-0.017483129	0.70630003	-0.030286243	0.513829124
ZNF551 salmon	-0.081808252	0.077376611	-0.096274228	0.037547447
ZNF557 salmon	0.116457413	0.011785717	0.118534568	0.010355316
ZNF587 salmon	0.014484857	0.754890132	0.020345067	0.661003773
ZNF611 salmon	-0.030531772	0.510420927	-0.046047335	0.32073369
ZNF625 salmon	0.003605032	0.93806918	0.00028736	0.995058527
ZNF699 salmon	-0.005851046	0.89964929	-0.032121096	0.488647754
ZNF70 salmon	-0.092418555	0.045922691	-0.089793059	0.052481519
ZNF724P salmon	0.012296074	0.790995368	0.011198104	0.809282227
ZNF727 salmon	-0.36920879	1.58E-16	-0.372829779	7.57E-17
ZNF749 salmon	0.070839182	0.126347266	0.059996739	0.195585323
ZNF765 salmon	0.003848246	0.933900256	0.000583915	0.989959129

ZNF778	salmon	0.009021917	0.845826099	0.031100164	0.502576534
ZNF8	salmon	-0.072992427	0.115197777	-0.075578947	0.102841476
ZNF805	salmon	-0.050542846	0.275708848	-0.056736885	0.221029741
ZNF808	salmon	-0.012663276	0.784904507	0.00166419	0.971388341
ZNF813	salmon	0.051980186	0.262267049	0.039080071	0.39945998
ZNF827	salmon	0.008428287	0.855855892	-0.02524971	0.586252042
ZNF845	salmon	0.013589967	0.769592365	0.006988213	0.88028046
ZNRD1	salmon	-0.065437918	0.157994381	-0.048107517	0.299536965
ZNRF3	salmon	0.056416461	0.223652903	0.024743347	0.59378653
ZSCAN2C	salmon	-0.150496826	0.001105721	-0.180160447	9.04E-05
ACSL6	sienna3	-0.130780073	0.004643547	-0.11225489	0.015223291
ADTRP	sienna3	-0.190031709	3.58E-05	-0.177995778	0.000110121
AGTR1	sienna3	-0.190385869	3.46E-05	-0.193510265	2.55E-05
AICDA	sienna3	-0.097557837	0.035063664	-0.096424645	0.037248879
ALOX12I	sienna3	-0.176253225	0.000128837	-0.174869361	0.000145788
ANKRD1	sienna3	-0.12856927	0.005393917	-0.112882636	0.014659539
APOBEC	sienna3	-0.041161613	0.374808532	-0.055913808	0.227812463
ARPP21	sienna3	-0.104980767	0.023277679	-0.10000717	0.030710718
ASMT	sienna3	-0.05184886	0.263476122	-0.040419651	0.383485928
ATP8A2	sienna3	-0.318521892	1.80E-12	-0.321145698	1.16E-12
AVIL	sienna3	-0.176746962	0.000123251	-0.188206987	4.26E-05
B4GALN	sienna3	0.059671549	0.19802303	0.055381467	0.232277299
BSND	sienna3	-0.174964888	0.000144554	-0.172021216	0.000187471
C11orf53	sienna3	-0.034196847	0.460979293	-0.037019321	0.424798574
C1orf141	sienna3	-0.098662074	0.033040191	-0.098002565	0.034236376
C1orf167	sienna3	-0.087922873	0.057615036	-0.093352333	0.043762396
C5orf58	sienna3	-0.127333148	0.005859482	-0.116302625	0.011898992
CALHM1	sienna3	-0.053564897	0.247978012	-0.070414163	0.128643872
CCDC177	sienna3	-0.122044353	0.008285495	-0.107175874	0.020527756
CERS3	sienna3	-0.033524772	0.469840829	-0.050142673	0.279533143
CHRNA3	sienna3	-0.059646052	0.198215095	-0.067100467	0.147673167
CNDP1	sienna3	-0.100263433	0.030283235	-0.108698067	0.018790784
CNGA3	sienna3	-0.083423872	0.071684858	-0.08241312	0.075204143
CNIH3	sienna3	0.012398306	0.789298327	0.002835387	0.951272287
CPB1	sienna3	-0.073751213	0.111457943	-0.071940708	0.120543213
CRHR2	sienna3	-0.175195976	0.000141609	-0.176236763	0.000129028
CSMD1	sienna3	-0.135660601	0.003309938	-0.136649104	0.003086492
CTD-254	sienna3	0.023188702	0.617190317	0.026681176	0.565195092
DGKI	sienna3	-0.091136775	0.049033295	-0.078780165	0.089030332
DLG2	sienna3	0.015901963	0.731790268	-0.004543716	0.921989558
DNTT	sienna3	0.018737866	0.686301713	-0.001184713	0.97962962
FAM150A	sienna3	-0.07523131	0.104438346	-0.068672852	0.138392059
FKSG62	sienna3	-0.139042684	0.002601101	-0.149215826	0.001220425
FOXE3	sienna3	-0.096617207	0.036869596	-0.088014087	0.057355348
GFI1B	sienna3	-0.028126684	0.544306396	-0.023022143	0.619721436

GJC3	sienna3	-0.265659679	5.52E-09	-0.260710627	1.08E-08
GNG13	sienna3	-0.06748505	0.145360476	-0.083008275	0.07311527
GPR12	sienna3	-0.165288124	0.000334458	-0.155385823	0.000753309
GPR26	sienna3	-0.145631139	0.001602123	-0.144742922	0.001712293
HEPACA	sienna3	0.016057244	0.729273311	-0.003030434	0.947924883
HHIPL2	sienna3	-0.016166316	0.727507101	-0.009186348	0.843052244
HOXC5	sienna3	-0.136309179	0.003161735	-0.149396229	0.001203635
HPCA	sienna3	-0.250571028	4.06E-08	-0.252148123	3.32E-08
HTR3C	sienna3	-0.04537216	0.327887949	-0.061266347	0.186277873
HTR3E	sienna3	-0.060094816	0.19485443	-0.062159252	0.179930235
IGSF21	sienna3	-0.161953923	0.000441916	-0.151835605	0.000996529
IL23R	sienna3	-0.072474088	0.117808578	-0.056580308	0.222308807
IL25	sienna3	-0.09260975	0.045473217	-0.094957156	0.040249524
IL37	sienna3	-0.00620344	0.893640211	-0.000660058	0.988649873
IRX1	sienna3	-0.141375738	0.002195972	-0.139720722	0.002476851
KCNB2	sienna3	-0.127358413	0.005849616	-0.135084559	0.003446826
KCNH1	sienna3	-0.114224249	0.01351583	-0.118323803	0.010493083
KCNQ5	sienna3	-0.257287979	1.70E-08	-0.24551624	7.71E-08
KRT2	sienna3	0.034048179	0.462931468	0.042497673	0.359491071
LANCL3	sienna3	-0.033999943	0.463565854	-0.03963192	0.392831592
LIPJ	sienna3	-0.135563887	0.00333257	-0.121242544	0.008722744
LRMP	sienna3	-0.10829381	0.019239109	-0.090060609	0.051779269
MAGEA2	sienna3	0.003229363	0.944511823	-0.015109289	0.7446831
MAGEA2	sienna3	-0.048695724	0.293660011	-0.053868105	0.245307146
MEIOB	sienna3	-0.170316888	0.000217505	-0.168604406	0.000252173
MORC1	sienna3	-0.061224694	0.186577955	-0.05114377	0.270033157
NTSR2	sienna3	-0.158784012	0.000573113	-0.160075749	0.000515803
NXF5	sienna3	-0.055992213	0.227160054	-0.058710409	0.205357352
OLIG2	sienna3	-0.046695501	0.313962014	-0.051765193	0.264248412
PIK3CG	sienna3	-0.099413424	0.031721058	-0.076166534	0.100186462
PIRT	sienna3	-0.04641407	0.31689065	-0.058860397	0.204200032
PNMA5	sienna3	-0.142519548	0.002019198	-0.148898062	0.001250526
PNPLA1	sienna3	-0.092293538	0.046218601	-0.081226389	0.079514274
POU2F3	sienna3	-0.230091667	4.99E-07	-0.242693826	1.10E-07
POU3F1	sienna3	0.035390605	0.445471236	0.012347865	0.790135517
POU4F1	sienna3	0.103800224	0.024884386	0.094236001	0.041797449
PPEF1	sienna3	-0.004402016	0.92441499	-0.023697275	0.609489872
PSG5	sienna3	-0.103671074	0.025065835	-0.108887161	0.018584223
PSG9	sienna3	-0.044469845	0.337608891	-0.044068304	0.341993568
RBFOX1	sienna3	-0.152185538	0.000969676	-0.16278875	0.000412344
RGS13	sienna3	-0.081671593	0.077874432	-0.07266533	0.11683998
RGS21	sienna3	-0.040986763	0.376842463	-0.03693012	0.425916097
RLN3	sienna3	-0.121800638	0.008416286	-0.120572166	0.009103973
SH2D6	sienna3	-0.021279836	0.646463486	-0.022767137	0.623605359
SH2D7	sienna3	-0.07532206	0.104019606	-0.088325243	0.056476773

SHCBP1I	sienna3	-0.026381385	0.569574901	-0.016407559	0.723605755
SLC22A7	sienna3	-0.092249911	0.046322242	-0.090959622	0.049476763
SLC4A10	sienna3	-0.063280917	0.172185208	-0.02750033	0.553310585
SLC6A17	sienna3	-0.07883325	0.088814528	-0.073872554	0.110868846
SPANXC	sienna3	-0.02056435	0.65758111	0.007267937	0.875526525
SPANXD	sienna3	-0.033429125	0.471109549	-0.005112787	0.912256404
SPTB	sienna3	-0.166400188	0.000304418	-0.175278728	0.000140568
SSX4B	sienna3	-0.096430364	0.037237566	-0.103108948	0.025868953
ST18	sienna3	-0.071066963	0.125129608	-0.064833161	0.161880874
TDRD1	sienna3	2.22E-05	0.999618096	0.002065681	0.964489775
TEX11	sienna3	-0.107367794	0.020301335	-0.100571862	0.029775499
TFAP2B	sienna3	0.139323788	0.002548916	0.123022524	0.00777861
TMEM17	sienna3	-0.041950195	0.365719688	-0.044390813	0.338469034
TMEM24	sienna3	-0.035578679	0.443055294	-0.019277352	0.67776912
TRPM5	sienna3	-0.17881876	0.0001022	-0.178898022	0.000101466
USP41	sienna3	0.013351732	0.773520553	-0.015446882	0.739183194
VCX2	sienna3	-0.076317694	0.099512332	-0.074930166	0.105837463
ZFP42	sienna3	-0.188825575	4.01E-05	-0.191619136	3.07E-05
ZMAT4	sienna3	-0.176482078	0.000126219	-0.188522056	4.13E-05
ZNF560	sienna3	-0.097963327	0.034308691	-0.103383606	0.025473815
ZP4	sienna3	-0.01569481	0.735152495	-0.022396468	0.629269538
AAMDC	skyblue	-0.085557141	0.06469803	-0.078126165	0.091723709
AC01568	skyblue	0.027078765	0.559411493	0.055809441	0.228682974
ADPRM	skyblue	0.144583558	0.00173278	0.126534026	0.006179364
ALKBH2	skyblue	-0.022108342	0.633687466	-0.053440563	0.249079079
C11orf1	skyblue	0.154390972	0.000815239	0.141416353	0.00218946
C18orf8	skyblue	-0.022834052	0.622585175	-0.019797035	0.669588501
C6orf48	skyblue	-0.191250981	3.18E-05	-0.221782943	1.30E-06
CCNB1IP	skyblue	-0.037845196	0.414533216	-0.064897427	0.161464482
CLEC16A	skyblue	-0.038998396	0.400446662	-0.024023777	0.604568765
COMMD1	skyblue	-0.056012968	0.226987573	-0.058692931	0.205492523
CUEDC2	skyblue	0.168919575	0.000245428	0.159770061	0.000528863
DEXI	skyblue	-0.136380784	0.003145748	-0.146276214	0.00152623
DNAJC5	skyblue	-0.030906873	0.505237004	-0.003100205	0.946727705
DYRK4	skyblue	0.037669643	0.416702966	0.035283341	0.446852466
EEF1B2	skyblue	0.097534557	0.035107434	0.067248452	0.146779965
EEF1D	skyblue	-0.160519493	0.000497377	-0.203376833	9.44E-06
EIF1	skyblue	0.093983994	0.04235008	0.091305635	0.048613688
EIF3D	skyblue	0.040076184	0.387544028	0.020597675	0.657061578
EIF3F	skyblue	0.104474676	0.023955127	0.109892002	0.017519458
GLTSCR2	skyblue	0.080675568	0.081581757	0.054965694	0.235807259
GNB2L1	skyblue	0.103047833	0.025957591	0.095849463	0.038401563
HNRNPA	skyblue	0.10740764	0.020254598	0.060387798	0.192682967
HSCB	skyblue	0.087872481	0.05775892	0.080187042	0.083451597
IGBP1	skyblue	-0.021173777	0.648106617	-0.032488831	0.483681957

IMPDH2	skyblue	0.039318905	0.396583098	0.004483813	0.923014809
LYRM4	skyblue	-0.184883714	5.84E-05	-0.194435955	2.33E-05
MALL	skyblue	0.175542156	0.000137301	0.212246638	3.71E-06
METTL12	skyblue	-0.01975164	0.670301552	-0.034270535	0.460013387
MTIF3	skyblue	0.178300738	0.000107121	0.178033205	0.000109748
NACA	skyblue	0.051783267	0.264081447	0.013858543	0.76517096
NDUFAF	skyblue	0.090699129	0.050134942	0.074721008	0.106817905
NPAS2	skyblue	0.006168926	0.894228492	-0.008289671	0.858201322
NPC1	skyblue	-0.017612458	0.704229095	-0.048377212	0.296832722
NUDT2	skyblue	0.174987234	0.000144267	0.172365153	0.000181901
PFDN5	skyblue	-0.059236234	0.201320845	-0.057891802	0.211757569
PHB2	skyblue	-0.019422972	0.675472967	-0.033905537	0.464808827
PLBD2	skyblue	0.106410526	0.021452661	0.098607341	0.033138087
PLXNA1	skyblue	-0.072305854	0.118665823	-0.075070515	0.10518357
POLL	skyblue	0.095560927	0.038991092	0.072423591	0.118065378
POLR1D	skyblue	0.228878231	5.75E-07	0.206513942	6.81E-06
POLR1E	skyblue	-0.084746199	0.067284992	-0.102229954	0.027169224
PPARD	skyblue	0.134060812	0.003702837	0.131656527	0.004373136
PQBP1	skyblue	-0.184466853	6.07E-05	-0.173960124	0.000158042
PRAF2	skyblue	-0.255136804	2.25E-08	-0.236960735	2.21E-07
PRR3	skyblue	-0.212419891	3.64E-06	-0.231644369	4.16E-07
RCN1	skyblue	0.032754866	0.480106577	-0.013961433	0.763479153
RNF113A	skyblue	-0.024715337	0.594204604	-0.006768765	0.884013035
RPL10	skyblue	0.034548868	0.456375196	0.017630484	0.703940616
RPL10A	skyblue	0.038363523	0.408165961	0.010681395	0.817924825
RPL11	skyblue	0.0158729	0.732261679	-0.009255882	0.841879828
RPL12	skyblue	0.121346803	0.00866475	0.10563679	0.022424254
RPL13	skyblue	0.173987504	0.000157659	0.186600346	4.96E-05
RPL13A	skyblue	0.014815522	0.749479592	-0.004674572	0.91975036
RPL14	skyblue	0.046127895	0.31988691	0.016360437	0.724367247
RPL15	skyblue	0.094431637	0.04137264	0.061346872	0.185698738
RPL17	skyblue	-0.078099606	0.091834448	-0.112314677	0.015168791
RPL18	skyblue	0.0916295	0.04781731	0.090433282	0.050814178
RPL18A	skyblue	-0.101922373	0.027637313	-0.097118735	0.035897114
RPL19	skyblue	0.06909771	0.135962842	0.055083632	0.234802135
RPL21	skyblue	-0.080761331	0.081257021	-0.098206847	0.033861975
RPL22	skyblue	-0.114502709	0.013288544	-0.158187634	0.00060152
RPL22L1	skyblue	0.266330344	5.04E-09	0.251984302	3.39E-08
RPL23	skyblue	0.048527163	0.295336216	0.027764767	0.549500295
RPL23A	skyblue	0.045821465	0.323115646	0.020566642	0.657545375
RPL24	skyblue	-0.030501499	0.510840513	-0.050567239	0.275476894
RPL26	skyblue	0.078929947	0.088422511	0.044628546	0.335885912
RPL27	skyblue	0.145046068	0.001673935	0.143134529	0.001929629
RPL27A	skyblue	0.036957708	0.425570291	0.029655701	0.522635429
RPL28	skyblue	0.08510878	0.066118032	0.096161419	0.037772697

RPL29	skyblue	0.19469341	2.27E-05	0.187566852	4.53E-05
RPL3	skyblue	0.158645611	0.000579592	0.130609425	0.00469792
RPL30	skyblue	-0.105596951	0.022475297	-0.136495062	0.003120385
RPL31	skyblue	-0.032402809	0.484841124	-0.054583174	0.239088158
RPL32	skyblue	0.023570265	0.611408975	0.012717769	0.784001741
RPL34	skyblue	0.082112718	0.07627679	0.077657763	0.093692547
RPL35	skyblue	0.054109796	0.243192619	0.049454434	0.286194103
RPL35A	skyblue	-0.181228529	8.20E-05	-0.193654555	2.51E-05
RPL36	skyblue	0.183819696	6.45E-05	0.197008219	1.80E-05
RPL36A	skyblue	-0.089903062	0.052191833	-0.100376332	0.030096528
RPL36A-lskyblue		-0.140022291	0.002423348	-0.119758083	0.009586809
RPL36ALskyblue		0.093037545	0.044480896	0.104813983	0.02349908
RPL37	skyblue	-0.073221588	0.114058084	-0.102042072	0.027454333
RPL37A	skyblue	-0.030779143	0.506999129	-0.035581077	0.443024541
RPL38	skyblue	-0.049523611	0.285519796	-0.058021041	0.210737685
RPL39	skyblue	-0.108521585	0.018985372	-0.136581342	0.00310136
RPL4	skyblue	0.088613984	0.055671505	0.05630449	0.224574763
RPL41	skyblue	-0.059795118	0.197094131	-0.089598624	0.052996823
RPL5	skyblue	-0.080778807	0.081190976	-0.124770115	0.006941544
RPL6	skyblue	0.011347163	0.806793278	-0.026635056	0.565867832
RPL7	skyblue	-0.099823901	0.031019595	-0.152917484	0.000915656
RPL7A	skyblue	0.211771212	3.90E-06	0.194513	2.31E-05
RPL9	skyblue	-0.01640788	0.723600564	-0.036239163	0.434630296
RPLP0	skyblue	0.176170384	0.000129797	0.15833839	0.000594218
RPLP1	skyblue	0.124079052	0.007262398	0.120979216	0.008870764
RPLP2	skyblue	0.055879271	0.228100271	0.068627353	0.138654175
RPS10	skyblue	-0.109478906	0.017950558	-0.120227597	0.009305633
RPS11	skyblue	0.057484329	0.214996411	0.059933797	0.196055428
RPS12	skyblue	-0.080443671	0.082465076	-0.089690333	0.052753246
RPS13	skyblue	0.061231301	0.186530332	0.052360038	0.258791408
RPS14	skyblue	0.086180646	0.062765118	0.087130574	0.059911961
RPS15A	skyblue	-0.070198143	0.129823467	-0.084694015	0.06745433
RPS17	skyblue	0.021611474	0.641336684	-0.007922791	0.864415007
RPS18	skyblue	-0.030924598	0.50499273	-0.041318501	0.37298931
RPS19	skyblue	-0.007529724	0.871081475	-0.010380599	0.822966246
RPS2	skyblue	0.22440973	9.62E-07	0.23139958	4.28E-07
RPS20	skyblue	-0.119576021	0.009697855	-0.143853825	0.001829489
RPS23	skyblue	-0.034853529	0.452411412	-0.075402879	0.103647807
RPS24	skyblue	-0.022169398	0.632750178	-0.056729788	0.221087605
RPS25	skyblue	-0.032307734	0.486124031	-0.062760739	0.175745518
RPS26	skyblue	0.028800103	0.534707311	0.031603274	0.495686476
RPS27	skyblue	-0.032602959	0.482146379	-0.056600179	0.222146188
RPS27A	skyblue	-0.173415239	0.000165842	-0.17111268	0.00020296
RPS28	skyblue	0.18785345	4.41E-05	0.208550217	5.50E-06
RPS29	skyblue	-0.016879575	0.715993139	-0.016113973	0.728354521



RPS3	skyblue	0.016114428	0.728347156	-0.019133591	0.680038901
RPS3A	skyblue	-0.028519982	0.538689859	-0.054927889	0.236130095
RPS4X	skyblue	0.14644697	0.001506701	0.121890533	0.008367831
RPS5	skyblue	0.070905239	0.1259932	0.056727365	0.221107365
RPS6	skyblue	0.067370795	0.146044645	0.048874244	0.291891717
RPS7	skyblue	-0.009083468	0.844787546	-0.045687068	0.324538392
RPS8	skyblue	-0.016092752	0.728698171	-0.035633086	0.442357783
RPS9	skyblue	0.093418625	0.043612336	0.08132723	0.079140411
RPSA	skyblue	0.107059461	0.020666164	0.112887382	0.014655348
RSAD1	skyblue	0.212642554	3.55E-06	0.172217648	0.000184271
SLC12A7	skyblue	0.001104283	0.981012298	0.008013903	0.862871075
SLC9A1	skyblue	0.258682254	1.41E-08	0.284384443	3.88E-10
THG1L	skyblue	0.037529098	0.418444822	0.020451104	0.659347809
THYN1	skyblue	0.117598912	0.010979394	0.101087916	0.028942284
TMEM18	skyblue	0.08633735	0.062286881	0.070635793	0.127442284
TMEM18	skyblue	0.137487889	0.002907739	0.135901156	0.00325425
TOMM7	skyblue	-0.008786357	0.849803169	0.00244585	0.957960036
TPT1	skyblue	0.14373496	0.001845702	0.127670313	0.005729041
UBA52	skyblue	-0.023845331	0.607256137	-0.001469974	0.97472622
UXT	skyblue	0.022673888	0.625028224	0.043287198	0.350626462
WDR45	skyblue	-0.252499587	3.17E-08	-0.229810794	5.16E-07
YBEY	skyblue	0.201739411	1.12E-05	0.185923398	5.29E-05
ZNF32	skyblue	0.032782582	0.479734913	0.018716191	0.686645372
ZNF581	skyblue	0.011674531	0.801333874	0.003172288	0.945490955
ZNF691	skyblue	-0.157634272	0.00062904	-0.176802684	0.000122635
ABCF3	skyblue3	-0.20952209	4.96E-06	-0.195618592	2.07E-05
ADCK5	skyblue3	0.136930958	0.003025342	0.123832763	0.007379914
ALG3	skyblue3	-0.120444421	0.009178278	-0.091044712	0.049263339
AP2M1	skyblue3	-0.211148035	4.17E-06	-0.166890377	0.000291994
ARHGAP	skyblue3	0.013967483	0.763379703	0.006131396	0.894868229
ATAD3A	skyblue3	0.155754735	0.000731473	0.172886796	0.00017375
BOP1	skyblue3	0.042912751	0.354813301	0.045159485	0.330162707
C8orf82	skyblue3	0.015282041	0.741867063	0.022146171	0.633106669
CA5B	skyblue3	0.116946067	0.011434349	0.109567257	0.017857586
CLUH	skyblue3	0.131887071	0.004304412	0.132285409	0.004187965
COMMD1	skyblue3	0.104479904	0.023948043	0.117563444	0.011003694
CPSF1	skyblue3	0.059847049	0.196704701	0.047325574	0.307469877
CYC1	skyblue3	0.079557369	0.08591255	0.097366782	0.035424255
CYHR1	skyblue3	-0.049984875	0.281050998	-0.04684973	0.312364627
DGAT1	skyblue3	0.08238811	0.075292974	0.101382425	0.028475802
DNPEP	skyblue3	-0.033811472	0.466049165	0.003879712	0.933361017
ECE2	skyblue3	-0.057592395	0.214133986	-0.036588584	0.430210714
EIF2B5	skyblue3	-0.0687332	0.138044989	-0.047739245	0.303256017
EIF3B	skyblue3	-0.0457509	0.323862149	-0.029936691	0.518701525
ELOVL1	skyblue3	0.131027325	0.004565774	0.149232409	0.001218873

EXOSC4 skyblue3	0.125678653	0.00653905	0.142508912	0.00202078
FAM229A skyblue3	0.037113122	0.423625262	0.031938481	0.491123875
FBRSL1 skyblue3	-0.052595145	0.256656186	-0.064025134	0.167185392
FBXL6 skyblue3	0.168875078	0.00024637	0.166612201	0.000298985
GLI4 skyblue3	-0.01906544	0.681115928	-0.039436387	0.395172549
GPAA1 skyblue3	0.048752979	0.293092101	0.046080462	0.320385312
GPR137 skyblue3	0.063399179	0.171383329	0.080099003	0.083792219
GPT skyblue3	-0.003091417	0.946878482	0.013267237	0.77491517
GRINA skyblue3	0.11863251	0.010291845	0.127892315	0.005644584
GRWD1 skyblue3	0.035964946	0.438116903	0.027623235	0.551538033
HGH1 skyblue3	0.162644585	0.000417316	0.166438597	0.000303427
HSF1 skyblue3	-0.058485475	0.20710185	-0.047116419	0.309615069
IDH3B skyblue3	-0.212296713	3.69E-06	-0.199207396	1.44E-05
IMP4 skyblue3	0.057541561	0.214539356	0.073699246	0.111710985
INTS1 skyblue3	0.035321678	0.446358522	0.058327546	0.208333071
IPO13 skyblue3	0.020531419	0.658094661	0.029591739	0.523533042
KIFC2 skyblue3	0.12016444	0.009343024	0.102283782	0.027088013
LRFN4 skyblue3	-0.04376586	0.34532001	-0.031303395	0.499787238
LRRC14 skyblue3	0.003190786	0.94517362	-0.015405666	0.739853951
MAF1 skyblue3	-0.136987966	0.003013108	-0.124722839	0.006963083
MAP3K1 skyblue3	-0.003233244	0.94444523	0.030086098	0.516616039
MEN1 skyblue3	0.056301878	0.224596306	0.028687984	0.53629956
MFSD3 skyblue3	0.158405789	0.00059098	0.163782874	0.000379536
MROH1 skyblue3	0.094485112	0.04125716	0.099472213	0.03161977
MYBBP1 skyblue3	0.064578414	0.163539385	0.048997036	0.290679573
NAPRT skyblue3	0.048666949	0.293945703	0.076865733	0.097098425
NAT8L skyblue3	-0.203961889	8.89E-06	-0.209117277	5.18E-06
NDUFV1 skyblue3	-0.043764255	0.345337719	-0.025590016	0.581213365
OPLAH skyblue3	0.204781078	8.16E-06	0.168939149	0.000245015
OTUB1 skyblue3	0.017079145	0.712782895	0.039398897	0.395622337
POLD2 skyblue3	0.015024181	0.7460717	0.036082954	0.43661449
POLR2H skyblue3	-0.031892036	0.491754708	-0.008743666	0.850524353
PPP1R16 skyblue3	0.025644342	0.580410874	0.044246571	0.340042497
PRPF19 skyblue3	-0.007834236	0.865916091	-0.033745865	0.466915329
PUF60 skyblue3	-0.105103117	0.023116414	-0.102379641	0.026943903
PYCRL skyblue3	0.12833155	0.005480777	0.142178499	0.002070494
RANGAP skyblue3	0.074412557	0.108276859	0.088588372	0.055742548
RBM38 skyblue3	-0.271218176	2.56E-09	-0.264697983	6.29E-09
RHPN1 skyblue3	0.170985577	0.000205221	0.170636206	0.000211555
RNF220 skyblue3	-0.044353338	0.338877386	-0.047173534	0.309028298
SCRIB skyblue3	-0.002860578	0.950839906	-0.013271335	0.774847513
SCYL1 skyblue3	0.002775664	0.952297422	0.01804159	0.697373166
SHARPIN skyblue3	0.043135979	0.35231353	0.060392615	0.192647415
SKIV2L skyblue3	-0.14767029	0.001373364	-0.131451845	0.004434981
SLC19A1 skyblue3	0.172681801	0.000176911	0.174260261	0.000153894

SLC39A4 skyblue3	0.072358195	0.118398597	0.085300487	0.065507778
SLC45A4 skyblue3	-0.210083314	4.67E-06	-0.208697685	5.41E-06
SLC52A2 skyblue3	0.14353032	0.001873923	0.154598807	0.000801925
SMYD5 skyblue3	-0.111518126	0.015909143	-0.117498112	0.011048576
TBRG4 skyblue3	-0.102269377	0.027109726	-0.078626191	0.089658659
THEM6 skyblue3	0.177426306	0.000115936	0.173455584	0.000165252
TIGD5 skyblue3	-0.106498818	0.021344149	-0.104898985	0.023386015
TMEM24 skyblue3	-0.010328178	0.823845585	-0.026274857	0.571135108
TRAPPC9 skyblue3	0.045865938	0.322645735	0.035270278	0.447020844
TSNARE skyblue3	-0.22789143	6.45E-07	-0.253630266	2.74E-08
TSTA3 skyblue3	0.173362096	0.000166621	0.196579999	1.88E-05
TTLL12 skyblue3	0.188502934	4.14E-05	0.187109105	4.73E-05
VAR5 skyblue3	0.111290282	0.016126655	0.128900627	0.005274911
VPS28 skyblue3	0.093660277	0.043068995	0.099261961	0.031983296
WDR4 skyblue3	0.042985586	0.353996446	0.046431956	0.316703992
ZC3H3 skyblue3	-0.018448804	0.690890096	-0.02087177	0.652794813
ZFP41 skyblue3	-0.152350788	0.000957229	-0.155207687	0.000764068
ZNF517 skyblue3	-0.112183335	0.015288743	-0.148727489	0.001266965
ZNF696 skyblue3	-0.132856381	0.004026016	-0.167547895	0.000276071
ZNF707 skyblue3	-0.205373123	7.68E-06	-0.2190804	1.75E-06
AKT1S1 steelblue	0.136622973	0.003092218	0.152768832	0.000926396
ALDH16 steelblue	0.09015741	0.051527131	0.088006289	0.057377511
ANAPC1 steelblue	0.18166986	7.87E-05	0.214510724	2.90E-06
ANAPC1 steelblue	0.131060331	0.004555482	0.137034586	0.003003137
AP2S1 steelblue	0.225424642	8.57E-07	0.27440933	1.64E-09
ARMC6 steelblue	0.026985248	0.560769273	0.03468125	0.454650455
ASCC2 steelblue	0.13688646	0.003034922	0.159096938	0.000558711
ASPSCR1 steelblue	0.021990243	0.635502094	0.017476681	0.706403335
AUP1 steelblue	0.090664966	0.0502218	0.11348861	0.014132825
B3GAT3 steelblue	0.138969586	0.00261483	0.141704106	0.002143829
B4GALT2 steelblue	0.085550877	0.064717694	0.087640245	0.058425876
BCKDK steelblue	0.12136901	0.008652442	0.145139823	0.001662232
C14orf80 steelblue	0.123714152	0.007437114	0.141954124	0.002104889
C17orf62 steelblue	0.176880578	0.000121779	0.198827356	1.50E-05
C17orf70 steelblue	0.10411313	0.024449465	0.093803039	0.04275069
C19orf48 steelblue	0.091342965	0.048521331	0.088580741	0.055763729
C19orf60 steelblue	0.051560746	0.266142104	0.057025376	0.218686875
C6orf226 steelblue	0.197939087	1.64E-05	0.241988238	1.19E-07
CCDC106 steelblue	0.139633353	0.002492552	0.135063448	0.003451938
CENPM steelblue	0.323122267	8.25E-13	0.33424492	1.19E-13
CEP131 steelblue	0.044836515	0.333636583	0.032386544	0.485060473
CFL1 steelblue	0.150686073	0.001089644	0.171252555	0.0002005
CHCHD1 steelblue	0.013756454	0.766850697	0.041350485	0.372619101
CHTF18 steelblue	-0.042245034	0.362357031	-0.026077459	0.574031541
COMTD1 steelblue	0.067814051	0.143404058	0.101463149	0.028349072

COX8A	steelblue	0.157162585	0.000653415	0.184447507	6.08E-05
CTU1	steelblue	-0.090842605	0.049771526	-0.075581856	0.102828194
DCXR	steelblue	0.134171757	0.003674283	0.143980828	0.00181231
DDX39A	steelblue	0.011284354	0.807841811	0.018881524	0.684025643
DHX34	steelblue	-0.021392238	0.644723968	-0.027616319	0.5516377
DNPH1	steelblue	0.061869784	0.181970258	0.066152554	0.153493039
DUS1L	steelblue	0.142986429	0.00195086	0.158534017	0.000584866
EIF4EBP1	steelblue	0.164690213	0.00035173	0.179413063	9.68E-05
EMC9	steelblue	0.187649003	4.49E-05	0.215704946	2.55E-06
ERI3	steelblue	-0.127558336	0.00577207	-0.114690891	0.013136859
FAM195E	steelblue	-0.005659563	0.902916923	-0.02196918	0.635825955
FIBP	steelblue	0.132430384	0.004146296	0.150676745	0.001090431
FLYWCH	steelblue	0.079955477	0.084349921	0.097192125	0.035756652
FOXRED	steelblue	0.099680051	0.031263895	0.104561321	0.023837951
GALK1	steelblue	0.062987557	0.174186409	0.080575105	0.081963485
GFER	steelblue	0.245159011	8.06E-08	0.275351194	1.43E-09
GPS1	steelblue	-0.01400162	0.762818665	-0.001045872	0.982016474
HAGH	steelblue	0.210605212	4.42E-06	0.241376658	1.29E-07
HMBS	steelblue	0.249180377	4.85E-08	0.250671526	4.01E-08
HMOX2	steelblue	0.326928619	4.29E-13	0.374683437	5.18E-17
HRAS	steelblue	0.190632061	3.37E-05	0.225831011	8.18E-07
HSPBP1	steelblue	0.044857022	0.333415322	0.065304686	0.158844493
IRF3	steelblue	-0.06781137	0.143419922	-0.061839108	0.182187444
ISOC2	steelblue	0.018365473	0.692214956	0.05006073	0.280320661
ITPA	steelblue	-0.016371469	0.724188939	2.15E-06	0.99996297
KPTN	steelblue	0.064547467	0.163741727	0.054775502	0.237434554
LAMTOR	steelblue	0.240146338	1.50E-07	0.271823768	2.35E-09
LRRC45	steelblue	0.220324965	1.53E-06	0.219275591	1.72E-06
LSM10	steelblue	0.121836253	0.008397059	0.159212728	0.000553468
MLST8	steelblue	0.165069254	0.000340687	0.189688822	3.70E-05
MRPL17	steelblue	0.204387823	8.50E-06	0.222807247	1.15E-06
MRPL28	steelblue	0.072623103	0.117053315	0.109539511	0.017886738
MRPS11	steelblue	0.213596133	3.20E-06	0.219600324	1.66E-06
MRPS12	steelblue	-0.002170515	0.962688914	0.014041953	0.762155953
MRPS26	steelblue	0.103045118	0.025961534	0.114280287	0.013469817
MRPS34	steelblue	0.2287668	5.83E-07	0.268366154	3.81E-09
MXD3	steelblue	0.133079152	0.003964383	0.140651012	0.002315179
NARF	steelblue	0.207550223	6.11E-06	0.217378622	2.12E-06
NARFL	steelblue	0.135786663	0.003280648	0.157582329	0.000631682
NAT14	steelblue	-0.076527222	0.098583866	-0.065137564	0.159915719
NCAPH2	steelblue	0.133425875	0.003870153	0.138331818	0.002737444
NDUFB1	steelblue	0.154730583	0.000793587	0.197564229	1.70E-05
NDUFS3	steelblue	0.080099758	0.08378929	0.101891095	0.027685298
NMRAL1	steelblue	0.270096038	3.00E-09	0.304801163	1.70E-11
NOC4L	steelblue	0.098193281	0.033886731	0.124961876	0.00685479

NOSIP	steelblue	-0.040409354	0.383607207	-0.025290729	0.585643623
NTHL1	steelblue	0.098424379	0.033467135	0.126537725	0.006177848
NUBP2	steelblue	0.233642549	3.28E-07	0.264562123	6.41E-09
NUDT16I	steelblue	0.064445038	0.164412793	0.106061545	0.021886264
OXLD1	steelblue	0.050809295	0.273182324	0.060553781	0.191460658
PAFAH1I	steelblue	0.230317763	4.86E-07	0.244163174	9.12E-08
PARD3B	steelblue	-0.225474288	8.52E-07	-0.256771391	1.82E-08
PCGF1	steelblue	0.225621639	8.38E-07	0.240989187	1.35E-07
PCYT2	steelblue	0.036790666	0.427666623	0.050886107	0.272456915
PGP	steelblue	0.187041671	4.76E-05	0.227174429	7.01E-07
PIH1D1	steelblue	0.144873085	0.001695725	0.14416825	0.001787228
PNKP	steelblue	0.16361839	0.000384791	0.168477325	0.000254942
POLR2G	steelblue	0.16878638	0.000248258	0.167285701	0.00028232
POLR2I	steelblue	0.059016898	0.202997514	0.091751105	0.047521123
POLR2L	steelblue	0.116551794	0.011717118	0.164052201	0.000371075
POLR3K	steelblue	0.221194833	1.38E-06	0.239300839	1.66E-07
PPP1CA	steelblue	0.161406228	0.000462375	0.180013382	9.16E-05
PPP4C	steelblue	0.15978439	0.000528244	0.203956566	8.89E-06
PQLC2	steelblue	0.141280404	0.002211326	0.157952091	0.000613094
PRPF31	steelblue	0.020741843	0.654815959	0.041258617	0.373683061
PSMC3	steelblue	0.054693083	0.238142193	0.078018139	0.092174809
PSMD8	steelblue	0.017618814	0.70412738	0.038962238	0.400883929
PTGES2	steelblue	0.110879204	0.01652569	0.136909346	0.003029991
PTOV1	steelblue	0.088094336	0.057127682	0.105815333	0.022196734
RAB40C	steelblue	0.259953875	1.19E-08	0.274943208	1.52E-09
RFNG	steelblue	-0.021402313	0.644568158	-0.038036321	0.412178607
RHBDD3	steelblue	0.321766094	1.04E-12	0.342243807	2.80E-14
RPS6KB2	steelblue	0.122107912	0.008251686	0.13606543	0.003216711
RPUSD1	steelblue	0.07598977	0.100979377	0.098440189	0.033438592
RUVBL2	steelblue	0.127168636	0.005924092	0.153731248	0.000858868
SAC3D1	steelblue	0.094429143	0.041378031	0.104431664	0.024013481
SAMD1	steelblue	0.13272415	0.004063009	0.120774208	0.008987545
SCAND1	steelblue	0.080547492	0.082068659	0.109065355	0.018391384
SEC13	steelblue	0.176320299	0.000128065	0.207533662	6.12E-06
SF3B5	steelblue	0.138459405	0.002712503	0.179717261	9.42E-05
SIRT7	steelblue	0.063097187	0.173436532	0.072217327	0.119118872
SIVA1	steelblue	0.030155262	0.515652084	0.063008878	0.174040386
SLC25A1	steelblue	0.222198383	1.24E-06	0.229522873	5.34E-07
SLC25A3	steelblue	0.216324924	2.38E-06	0.234348887	3.02E-07
SLC27A4	steelblue	0.301702739	2.77E-11	0.320296565	1.33E-12
SLC37A4	steelblue	0.202801336	1.00E-05	0.172658214	0.000177279
SNRNP25	steelblue	0.288678607	2.05E-10	0.318240201	1.89E-12
SNRNP7C	steelblue	0.057788326	0.212576713	0.043704844	0.345993578
SNRPA	steelblue	0.117951179	0.010740628	0.114068464	0.013644473
SRM	steelblue	0.068288038	0.140620959	0.085252047	0.065661534

STRA13	steelblue	0.22022109	1.54E-06	0.232666979	3.69E-07
SUV420H	steelblue	-0.039938863	0.389173771	-0.065886188	0.155159322
TBL3	steelblue	0.049778363	0.283045833	0.079049751	0.087938745
TELO2	steelblue	0.221369324	1.36E-06	0.221524081	1.33E-06
THOC6	steelblue	0.088954257	0.054734783	0.089753854	0.052585085
TIMM10	steelblue	0.109359148	0.018077256	0.122631656	0.007977737
TMEM11	steelblue	0.241481135	1.27E-07	0.260217141	1.15E-08
TMEM14	steelblue	-0.030842526	0.506124315	-0.018410909	0.691492462
TMEM16	steelblue	0.097864641	0.034491146	0.128513422	0.005414211
TRMU	steelblue	0.149726357	0.001173458	0.1550781	0.000771983
TUFM	steelblue	0.108483395	0.01902771	0.135649496	0.00331253
UBE2M	steelblue	0.074918542	0.105891764	0.099418831	0.031711732
UQCR10	steelblue	0.195484524	2.10E-05	0.234096828	3.11E-07
WBSCR1	steelblue	0.214539456	2.89E-06	0.227164617	7.02E-07
YDJC	steelblue	0.037704593	0.416270474	0.041149103	0.374953823
YIF1A	steelblue	0.101179449	0.028796605	0.132617416	0.004093093
YIF1B	steelblue	0.176846662	0.000122151	0.17929096	9.79E-05
ZNF428	steelblue	0.113570918	0.014062581	0.113218372	0.014365625
ZNF444	steelblue	0.013356654	0.773439329	0.016866871	0.716197665
ZNF598	steelblue	0.033154325	0.474765128	0.038894454	0.401704443
ZNF784	steelblue	-0.058973504	0.203330427	-0.064686901	0.162831534
ZNF787	steelblue	-0.064874523	0.161612792	-0.057432497	0.21541094
ZNHIT2	steelblue	0.093206492	0.044094054	0.11178795	0.015654883
AARSD1	tan	0.027090726	0.559237949	0.002664021	0.954213985
ACOT13	tan	0.14818882	0.001320191	0.154713933	0.000794636
AL158801	tan	0.008483119	0.854928467	-0.023784289	0.608176653
ALG12	tan	0.215981136	2.47E-06	0.219222027	1.73E-06
ANP32A	tan	0.125625287	0.006562101	0.110661355	0.016740641
APITD1	tan	0.031390606	0.498592795	0.027167405	0.558125994
APITD1-C	tan	-0.019968365	0.666899986	-0.025852645	0.577338669
ARPC3	tan	0.135127528	0.00343644	0.145004328	0.001679169
ATP5J	tan	-0.021110604	0.649086139	-0.018483905	0.690332319
BCAR1	tan	0.182786985	7.10E-05	0.216042182	2.45E-06
BCCIP	tan	0.074111173	0.109717528	0.052228008	0.259995856
BLOC1S2	tan	0.139465775	0.002522921	0.129948836	0.004913856
BRE	tan	-0.172845372	0.000174384	-0.17635493	0.000127667
BRIX1	tan	-0.147854253	0.001354278	-0.167774891	0.000270764
BRK1	tan	0.048689019	0.293726563	0.059416174	0.199952864
BTF3L4	tan	-0.108161636	0.019387699	-0.128091281	0.005569845
BUD31	tan	-0.038654784	0.404613659	-0.040960578	0.377147641
C11orf73	tan	-0.082243204	0.075809346	-0.086357171	0.062226606
C11orf98	tan	0.009267799	0.841678931	-0.016496258	0.722173123
C14orf16	tan	0.165918019	0.00031712	0.155919123	0.000721932
C18orf21	tan	-0.059033883	0.202867308	-0.064798527	0.162105609
C4orf27	tan	0.085904403	0.063615538	0.063610296	0.169958778

C6orf203 tan	-0.016826308	0.716850836	-0.028676323	0.536465301
C7orf73 tan	0.02304441	0.619382794	0.021624049	0.641142633
C8orf59 tan	-0.0867232	0.061122121	-0.116642531	0.0116515
CAMTA1 tan	-0.235270178	2.70E-07	-0.237075731	2.18E-07
CBWD1 tan	-0.080870469	0.080845291	-0.074513976	0.107795431
CBX3 tan	-0.063938268	0.167763305	-0.086637671	0.061378743
CCDC23 tan	-0.251643215	3.54E-08	-0.27021285	2.95E-09
CCDC43 tan	0.196667189	1.86E-05	0.185080159	5.73E-05
CCDC58 tan	-0.060993688	0.188248688	-0.084137214	0.069282987
CCDC59 tan	-0.121315524	0.008682113	-0.143278944	0.00190913
CCT8 tan	0.043417919	0.349172195	0.020939591	0.651740794
CDC26 tan	0.037205245	0.422474773	0.018544015	0.68937752
CENPQ tan	-0.141057574	0.002247597	-0.162797398	0.000412048
CFDP1 tan	0.073401125	0.113171384	0.064296421	0.16539013
CHCHD4 tan	0.052614321	0.256482572	0.054834819	0.23692619
CHCHD7 tan	-0.278149959	9.60E-10	-0.261786233	9.33E-09
CISD1 tan	0.027152359	0.558344104	0.031226867	0.500836603
CISD2 tan	0.093414272	0.043622178	0.082293281	0.075630574
CKLF tan	0.098819734	0.032759575	0.105344683	0.022800851
CMC1 tan	0.110841951	0.016562275	0.105787371	0.022232233
CMSS1 tan	-0.199978134	1.34E-05	-0.217929744	1.99E-06
COA5 tan	-0.221366357	1.36E-06	-0.227210807	6.98E-07
COA6 tan	0.160251392	0.000508435	0.159380395	0.000545956
COMMD1 tan	0.028553188	0.538216991	0.013692221	0.767908132
COX16 tan	0.138810317	0.002644972	0.137899019	0.002823609
COX17 tan	-0.022471035	0.628128315	-0.008548106	0.853829541
COX6C tan	-0.069912232	0.131397565	-0.060951434	0.188555479
COX7A2 tan	-0.090968646	0.04945409	-0.093289002	0.043906158
CRIPAK tan	0.170049993	0.000222597	0.194951141	2.21E-05
CRIP1 tan	-0.172815707	0.00017484	-0.172693261	0.000176733
CRLS1 tan	-0.078568913	0.089893303	-0.062017101	0.180929918
CSTF3 tan	0.084057393	0.069548431	0.052282307	0.259500041
CTNBL1 tan	-0.285660887	3.21E-10	-0.275741212	1.35E-09
CUTC tan	0.042827342	0.355772684	0.024147267	0.602712142
CWC15 tan	-0.046324222	0.317829379	-0.054808449	0.237152095
CYCS tan	-0.062789079	0.175550149	-0.064154173	0.16632965
DAD1 tan	0.13614964	0.00319762	0.136162607	0.00319469
DDT tan	-0.003614445	0.937907811	-0.018605893	0.688395155
DECR1 tan	0.208913481	5.29E-06	0.202847268	9.97E-06
DENR tan	-0.01657526	0.720897924	-0.041491633	0.370988063
DGUOK tan	-0.008931388	0.847354081	0.018492934	0.690188875
DNAJC2 tan	-0.08631	0.062370133	-0.108345108	0.019181707
DNAJC7 tan	0.178539604	0.000104824	0.168457305	0.000255381
DNAJC8 tan	0.013871839	0.764952275	0.001173582	0.979820976
DNTTIP2 tan	-0.089879911	0.05225269	-0.116957666	0.011426122

DPY30	tan	-0.023124127	0.618171098	-0.023901139	0.606415104
EBNA1B	tan	-0.073871225	0.110875283	-0.075525727	0.103084679
EBPL	tan	0.163346788	0.000393616	0.16591403	0.000317227
EEF1E1	tan	-0.099010334	0.032423049	-0.099909678	0.0308747
EEF2	tan	0.324547077	6.47E-13	0.313899133	3.88E-12
EID2	tan	-0.063871397	0.168209214	-0.074736179	0.106746547
EIF3M	tan	-0.125678242	0.006539228	-0.149214074	0.001220589
EIF5B	tan	-0.0865003	0.061792772	-0.09843951	0.033439816
EMC3	tan	0.081684914	0.077825793	0.113012624	0.014545122
EXOSC8	tan	0.103475951	0.025342138	0.07612733	0.100361894
EXOSC9	tan	0.030282124	0.513886391	0.007007795	0.879947536
FAM103A	tan	0.087406547	0.059103454	0.071314944	0.123814357
FKBP1A	tan	-0.221738275	1.30E-06	-0.218342351	1.90E-06
FKBP3	tan	0.059907894	0.196249138	0.039045207	0.399880972
FRG1	tan	-0.002273531	0.960919437	-0.008543447	0.853908321
FTSJ2	tan	-0.034141118	0.461710533	-0.034637932	0.455214414
FUCA2	tan	0.012205545	0.792498961	0.017136818	0.71185611
FUNDC1	tan	-0.094187503	0.041903325	-0.098851378	0.032703497
FUNDC2	tan	-0.221069544	1.40E-06	-0.235160423	2.74E-07
GABARA	tan	0.028891056	0.533417406	0.004317898	0.925855164
GAR1	tan	0.061597977	0.183901335	0.070179048	0.12992814
GCSH	tan	-0.032888259	0.478319261	-0.0493946	0.2867782
GEMIN6	tan	-0.145543469	0.0016127	-0.133362878	0.003887122
GGCT	tan	0.230463294	4.78E-07	0.222741242	1.16E-06
GLO1	tan	-0.102901536	0.026170836	-0.130433838	0.004754465
GLRX3	tan	0.038202398	0.410139014	0.026676973	0.565256374
GLRX5	tan	-0.091327743	0.048558974	-0.080378496	0.08271472
GNG5	tan	0.012283727	0.791200393	0.010687679	0.817819575
GNL2	tan	-0.060933007	0.188689377	-0.079681413	0.085423179
GNL3	tan	0.038097155	0.41143081	0.010394265	0.822737044
GPANK1	tan	-0.16790912	0.000267672	-0.178098256	0.000109104
GRPEL1	tan	0.152781869	0.00092545	0.161332613	0.000465192
GTF2A2	tan	0.173130183	0.000170065	0.178777987	0.000102579
GTF2F2	tan	0.095256064	0.039622287	0.076815671	0.097316977
GTF2H4	tan	-0.154612674	0.000801043	-0.186746381	4.90E-05
GTF2H5	tan	0.13791827	0.002819724	0.150469282	0.001108079
GTF3C6	tan	0.230818425	4.58E-07	0.238116614	1.92E-07
H3F3A	tan	-0.028844585	0.534076267	-0.055926285	0.227708558
H3F3B	tan	-0.082105821	0.076301566	-0.099663069	0.031292843
HARS2	tan	0.057962792	0.211196919	0.036251134	0.434478445
HAUS1	tan	0.097318917	0.035515087	0.077277444	0.095315876
HDDC2	tan	0.02816586	0.543745633	0.039145691	0.398668301
HESX1	tan	-0.048057856	0.300036695	-0.069359804	0.134480709
HMGB1	tan	-0.036235402	0.434678002	-0.064226217	0.165853313
HMGN1	tan	0.017607252	0.704312417	-0.003861382	0.933675132



HMGN3 tan	-0.027996899	0.54616614	-0.037837623	0.414626683
HNRNPA tan	0.067508885	0.145218063	0.044845253	0.333542288
HNRNPC tan	0.0141975	0.75960179	-0.025023105	0.589618377
HNRNPD tan	0.038326747	0.408615805	0.013785764	0.766368329
HNRNPL tan	0.006069835	0.895917764	-0.035370394	0.445731309
HNRNPU tan	-0.139128622	0.002585045	-0.164148602	0.00036809
HRSP12 tan	0.079794449	0.084979194	0.055574113	0.230654453
HSP90B1 tan	-0.016951078	0.714842374	-0.023951606	0.605655014
HSPA4 tan	0.124857685	0.006901806	0.118572846	0.010330469
HSPB11 tan	-0.09856635	0.033211567	-0.103609092	0.025153321
HSPE1 tan	0.010642184	0.818581587	0.015238531	0.742575993
HSPE1-M tan	-0.05652722	0.222743677	-0.088851873	0.055015244
IMMP1L tan	0.079173388	0.087441733	0.0652322	0.159308449
INO80C tan	-0.104676976	0.023682313	-0.106836476	0.020933544
ISCA2 tan	0.029114683	0.530252559	0.03375881	0.46674435
ITGB1BP tan	-0.221064176	1.41E-06	-0.224260909	9.79E-07
ITGB3BP tan	0.067207768	0.14702511	0.059216605	0.201470477
LINC0049 tan	-0.058014501	0.210789205	-0.046128202	0.319883686
LLPH tan	-0.052017415	0.261924993	-0.053221703	0.251025501
LSM12 tan	0.172078157	0.000186538	0.143495498	0.001878764
LSM3 tan	0.04623918	0.318719563	0.051188762	0.269611445
LSM5 tan	-0.059309368	0.200764026	-0.049110263	0.289564849
LSM6 tan	-0.11643957	0.011798726	-0.140432605	0.002352245
LTV1 tan	-0.089792933	0.052481849	-0.116027543	0.012102674
LYAR tan	-0.086976061	0.060368612	-0.106507438	0.021333579
MAGOHI tan	-0.014980581	0.746783376	-0.015668843	0.735574327
MCTS1 tan	0.056662563	0.221636214	0.069432707	0.13407067
MED15 tan	0.087577967	0.058605811	0.104364565	0.024104757
MED4 tan	0.001897748	0.96737497	-0.020192064	0.663396098
MED6 tan	-0.155652052	0.000737491	-0.156674746	0.000679544
METTL2 tan	0.02317707	0.617366931	0.0260016	0.575146465
METTL5 tan	0.095003816	0.040151062	0.086902462	0.060587135
MGRN1 tan	0.158223763	0.000599762	0.191017228	3.25E-05
MKKS tan	-0.062216177	0.179531054	-0.070644511	0.127395195
MKL1 tan	0.1002494	0.030306512	0.126421745	0.006225543
MNAT1 tan	0.093721607	0.042932009	0.089916631	0.052156193
MPHOSP tan	-0.067039431	0.14804277	-0.085881608	0.063686137
MPLKIP tan	-0.037992593	0.412716624	-0.039068237	0.399602844
MRPL1 tan	0.058382845	0.207901358	0.034734955	0.453951804
MRPL18 tan	0.122802206	0.007890298	0.135231992	0.00341131
MRPL32 tan	-0.070090217	0.130415939	-0.070545493	0.127930797
MRPL33 tan	-0.156607475	0.000683222	-0.170549075	0.000213163
MRPL35 tan	0.046270072	0.318396012	0.050485743	0.276252373
MRPL39 tan	0.124251489	0.007181119	0.113006326	0.014550647
MRPL46 tan	-0.052600849	0.256604537	-0.054497075	0.23983104

MRPL51 tan	-0.02728198	0.556466496	-0.027057977	0.559713182
MRPS10 tan	0.03143636	0.497966761	0.012270401	0.791421684
MRPS17 tan	-0.048120386	0.299407553	-0.055398887	0.232130226
MRPS18Ctan	-0.06755337	0.144952545	-0.068150677	0.141423202
MRPS22 tan	-0.174554844	0.000149922	-0.18334387	6.74E-05
MRPS31 tan	-0.100854408	0.029316793	-0.124389666	0.007116577
MRPS33 tan	-0.054727806	0.237843887	-0.043561979	0.34757397
MRPS6 tan	-0.160982082	0.000478821	-0.161498841	0.000458855
MRPS9 tan	-0.030255661	0.514254451	-0.04380702	0.344866108
MZT1 tan	0.091315191	0.048590033	0.074686498	0.106980359
NAA20 tan	-0.03909249	0.399310071	-0.041530134	0.370543932
NCOR2 tan	-0.004352968	0.925254705	0.003750108	0.935582217
NDUFA4 tan	0.022005699	0.635264484	0.050638053	0.274804253
NDUFABtan	0.060855262	0.189255106	0.091464151	0.048222524
NDUFABtan	-0.12183059	0.008400113	-0.115883715	0.012210392
NDUFB3 tan	0.051516683	0.266551455	0.062890958	0.174849151
NDUFB6 tan	0.081459193	0.078653319	0.085077596	0.066217741
NDUFC2 tan	0.0080973	0.861458355	0.007928242	0.864322614
NFU1 tan	0.101539216	0.028230098	0.129420822	0.005092847
NGDN tan	-0.278958037	8.55E-10	-0.294078139	9.06E-11
NIFK tan	-0.101038981	0.029020426	-0.129393206	0.005102369
NIT2 tan	-0.11883647	0.010160774	-0.112762111	0.014766332
NOL10 tan	-0.072134406	0.119544454	-0.081975905	0.076769417
NOL7 tan	-0.134040792	0.003708011	-0.138860302	0.002635479
NOP58 tan	-0.062480362	0.177687087	-0.096051044	0.037994194
NOX1 tan	0.079249866	0.087135429	0.084944805	0.066643708
NSMCE4tan	0.072326514	0.118560286	0.040103964	0.387214842
OARD1 tan	-0.113716095	0.013939434	-0.125485153	0.006622976
PBDC1 tan	0.084457058	0.068227651	0.084183971	0.069127881
PCBP2 tan	-0.186236997	5.14E-05	-0.221101135	1.40E-06
PDCD2 tan	0.009185502	0.843066521	0.007132712	0.877824142
PDCL3 tan	0.052568365	0.25689878	0.025367629	0.584503809
PDHB tan	0.142809065	0.001976568	0.155879158	0.000724241
PET117 tan	-0.063682557	0.169473224	-0.063629879	0.16982709
PFDN4 tan	-0.283957014	4.13E-10	-0.300420956	3.39E-11
PINX1 tan	0.225334637	8.66E-07	0.202829858	9.99E-06
PIP5K1C tan	0.196595239	1.88E-05	0.209887766	4.77E-06
PITHD1 tan	-0.05197865	0.262281168	-0.070056584	0.130600993
PLEC tan	-0.099649841	0.031315408	-0.079663984	0.085491802
PLGRKT tan	0.097407781	0.035346611	0.102465161	0.026815895
PLXNB2 tan	0.239272448	1.67E-07	0.256244933	1.95E-08
POLB tan	-0.093335759	0.043799982	-0.113691527	0.013960207
POMP tan	0.099143558	0.032189582	0.114764094	0.013078266
PPA2 tan	0.311009446	6.24E-12	0.300164334	3.53E-11
PPCS tan	0.115542568	0.012469281	0.119964631	0.009462198

PPT2	tan	-0.32748483	3.89E-13	-0.342947154	2.46E-14
PRDX1	tan	0.195002571	2.20E-05	0.206320592	6.95E-06
PRDX6	tan	-0.092418768	0.045922187	-0.092570552	0.045565063
PSMA1	tan	0.008686858	0.851484208	0.010688393	0.817807612
PSMA2	tan	-0.089348722	0.053665314	-0.075619916	0.102654564
PSMA3	tan	0.109695996	0.017722865	0.130279578	0.004804648
PSMA4	tan	0.099442132	0.031671562	0.109706045	0.017712387
PSMC6	tan	-0.017872556	0.700070804	-0.027040088	0.559972865
PSMD6	tan	0.130186811	0.004835055	0.13702211	0.003005802
PSMG1	tan	0.160320849	0.000505549	0.150393192	0.001114618
PSMG2	tan	-0.000850926	0.985368113	-0.013589774	0.769595544
PTS	tan	0.191310969	3.16E-05	0.174697074	0.000148039
PYURF	tan	-0.086774525	0.060968552	-0.081978526	0.076759954
RARS	tan	-0.010681088	0.817929953	-0.0108779	0.814635363
RBM17	tan	-0.191586652	3.08E-05	-0.218254929	1.92E-06
RBM8A	tan	0.03251599	0.483316302	0.01624979	0.726156366
RBMX2	tan	-0.044932177	0.332605196	-0.054916595	0.236226603
RDH14	tan	-0.135142711	0.003432777	-0.141745794	0.002137291
RMND1	tan	0.05093265	0.272018006	0.004112276	0.929376561
RNASEH	tan	-0.088871503	0.054961377	-0.110145606	0.017259306
RNF5	tan	-0.152868673	0.00091917	-0.138138832	0.002775565
RNF7	tan	-0.071927751	0.120610256	-0.049431407	0.286418794
RPA2	tan	-0.018086108	0.69666334	-0.041555812	0.370247904
RPF1	tan	-0.099049997	0.032353391	-0.118053097	0.010672412
RPF2	tan	-0.062047083	0.180718725	-0.084112235	0.069365967
RPP30	tan	-0.055672613	0.229827801	-0.069686645	0.132649921
RPSAP58	tan	-0.087045215	0.06016388	-0.108532274	0.018973537
RTFDC1	tan	-0.344752679	1.77E-14	-0.354982047	2.58E-15
RWDD1	tan	-0.008338582	0.857373582	0.006227105	0.893236888
SAAL1	tan	0.170059173	0.00022242	0.155233203	0.000762518
SEC61G	tan	0.131703531	0.004359045	0.152166556	0.000971115
SF3B6	tan	-0.101338642	0.02854474	-0.10739223	0.020272662
SFPQ	tan	-0.009205353	0.842731764	-0.026930224	0.561568921
SFT2D1	tan	0.053721333	0.246597496	0.065016944	0.160692256
SKA2	tan	0.013909749	0.764328846	0.005693933	0.902330277
SMIM7	tan	-0.0647948	0.162129806	-0.064896818	0.161468423
SMN1	tan	0.023136113	0.617989007	-0.004491317	0.922886378
SMS	tan	0.131008897	0.00457153	0.139179191	0.002575639
SNRNP27	tan	-0.088031278	0.057306516	-0.11960249	0.00968164
SNRPB2	tan	-0.20580145	7.34E-06	-0.210024854	4.70E-06
SNRPE	tan	0.030158556	0.515606197	0.014154629	0.760305485
SNRPG	tan	0.065976739	0.154591341	0.065784608	0.155798363
SNUPN	tan	0.137201677	0.002967646	0.128352887	0.00547293
SPCS1	tan	0.198168179	1.60E-05	0.197630329	1.69E-05
SRP19	tan	0.110136103	0.017268993	0.104904854	0.023378227

SRSF1	tan	0.051197982	0.269525089	0.020155438	0.66396929
SRSF2	tan	-0.023089326	0.618699941	-0.051368894	0.267927591
SRSF3	tan	-0.049031739	0.290337613	-0.077689113	0.093559726
SRSF7	tan	0.006376874	0.890684994	-0.014483894	0.754905903
SSB	tan	-0.115190621	0.012741432	-0.141392166	0.002193336
SSBP1	tan	0.099306814	0.031905446	0.098175966	0.033918348
SUB1	tan	-0.038752823	0.40342211	-0.052677912	0.255907411
SUCLG1	tan	-0.028022593	0.545797722	-0.017168393	0.711348901
SUMO1	tan	-0.135717193	0.00329676	-0.149627367	0.001182432
SUMO2	tan	-0.114342191	0.013419148	-0.144847107	0.00169902
SUPV3L1	tan	-0.045356931	0.328050509	-0.061412185	0.185229991
TARDBP	tan	-0.081920205	0.076970717	-0.107932668	0.01964747
TBCA	tan	0.042825082	0.355798097	0.024345558	0.599736281
TDP2	tan	-0.002598076	0.955346169	-0.009649698	0.835246356
TECPR2	tan	-0.027571897	0.55227809	-0.026410243	0.569152603
TEX30	tan	-0.042821067	0.355843235	-0.069891507	0.131512239
THOC7	tan	0.148011043	0.001338204	0.132701522	0.00406937
TIMM9	tan	-0.026305374	0.570687944	-0.04592239	0.322049902
TIMMDC	tan	-0.145409161	0.001629029	-0.138206034	0.002762236
TMA7	tan	0.065106751	0.16011382	0.05075294	0.273715371
TMEM12	tan	0.142905399	0.001962567	0.145461641	0.001622631
TMEM14	tan	-0.1263721	0.00624606	-0.126153215	0.006337244
TMEM14	tan	-0.13183909	0.004318634	-0.138959327	0.002616762
TMEM19	tan	-0.096437051	0.037224343	-0.093124472	0.044281502
TMEM24	tan	-0.043364408	0.349767033	-0.055321861	0.232781053
TMEM60	tan	0.005599938	0.903934753	0.020712008	0.655280415
TOMM22	tan	0.055905517	0.227881538	0.04892499	0.291390367
TP53RK	tan	-0.13143519	0.004440048	-0.129504161	0.005064212
TPRKB	tan	-0.140509905	0.002339065	-0.145906608	0.0015693
TRIAP1	tan	0.114676545	0.013148368	0.128109403	0.005563081
TRIT1	tan	-0.238088238	1.93E-07	-0.275712914	1.36E-09
TRMT10C	tan	-0.149131119	0.001228384	-0.166903608	0.000291665
TSC2	tan	0.11066931	0.016732748	0.11793017	0.010754738
TSFM	tan	0.004021836	0.930925839	0.002555672	0.956074244
TTC1	tan	-0.036640539	0.429555792	-0.032847936	0.478859167
TTC4	tan	-0.196063701	1.98E-05	-0.23448664	2.97E-07
TXNDC1	tan	0.05386142	0.245365815	0.034865653	0.452254064
TXNDC9	tan	-0.129161601	0.005182853	-0.141924646	0.002109446
UPF3B	tan	-0.088155738	0.056953991	-0.115647466	0.012389165
UQCRB	tan	-0.042733916	0.35682399	-0.069671775	0.132732793
UTP11L	tan	-0.050456671	0.276529368	-0.076725859	0.097710038
UTP14A	tan	-0.109143467	0.018307404	-0.147963311	0.001343079
VBP1	tan	0.014133019	0.760660289	-0.002038677	0.964953699
VPS29	tan	0.00869398	0.851363847	0.011097962	0.810955443
VPS33A	tan	-0.059114768	0.202248113	-0.058028355	0.210680069

YAE1D1 tan	-0.060698765	0.190397654	-0.063618035	0.169906728
ZNF213 tan	0.221018593	1.41E-06	0.248756097	5.12E-08
AASS turquoise	-0.077409138	0.094751239	-0.092011422	0.046892246
ABCA10 turquoise	-0.007469105	0.872110415	-0.015590673	0.736844631
ABCA6 turquoise	-0.157187098	0.000652127	-0.153592918	0.000868286
ABCA8 turquoise	-0.231832392	4.07E-07	-0.232545599	3.74E-07
ABCA9 turquoise	-0.13678844	0.003056123	-0.139153643	0.002580387
ABCC1 turquoise	0.170539224	0.000213346	0.14551828	0.001615751
ABCC9 turquoise	-0.193237619	2.62E-05	-0.183396656	6.71E-05
ABCD2 turquoise	-0.229627562	5.27E-07	-0.211037358	4.22E-06
ABHD11 turquoise	0.091348996	0.048506424	0.11209656	0.015368451
ABHD17(turquoise	0.339253917	4.83E-14	0.364128978	4.35E-16
ABI3BP turquoise	-0.198045481	1.62E-05	-0.193882396	2.46E-05
ABLIM3 turquoise	-0.250780185	3.95E-08	-0.249550804	4.63E-08
ABRACL turquoise	0.219438594	1.69E-06	0.233041158	3.53E-07
ACACB turquoise	-0.349721407	7.00E-15	-0.366742152	2.58E-16
ACKR4 turquoise	-0.163136979	0.000400563	-0.137746594	0.002854538
ACOX2 turquoise	-0.093944719	0.042436759	-0.094201334	0.041873108
ACSS3 turquoise	-0.245613902	7.61E-08	-0.252378407	3.22E-08
ACTA2 turquoise	-0.055308511	0.232893987	-0.022672652	0.625047092
ACTC1 turquoise	-0.107263481	0.020424129	-0.106614992	0.021202095
ACTG2 turquoise	-0.080590186	0.081906091	-0.048186402	0.298744291
ACTN1 turquoise	-0.066882358	0.148997165	-0.065755428	0.1559823
ACTR3B turquoise	0.073784167	0.111297714	0.030717198	0.50785487
ACY1 turquoise	0.113443661	0.014171315	0.108697274	0.018791654
ADAM11 turquoise	-0.204339257	8.55E-06	-0.220987514	1.42E-06
ADAM22 turquoise	-0.053811259	0.245806344	-0.062673543	0.176347641
ADAM33 turquoise	-0.397770101	3.73E-19	-0.400983282	1.82E-19
ADAMTSturquoise	-0.229148717	5.57E-07	-0.233469524	3.35E-07
ADAMTSturquoise	-0.156077202	0.000712867	-0.135630315	0.003317011
ADAMTSturquoise	-0.188835033	4.01E-05	-0.202300756	1.05E-05
ADAMTSturquoise	-0.082696766	0.074202626	-0.075776776	0.101941427
ADAMTSturquoise	-0.094970684	0.040220955	-0.092709362	0.045240508
ADAMTSturquoise	-0.339926733	4.28E-14	-0.333155258	1.44E-13
ADAMTSturquoise	-0.160830933	0.000484812	-0.151816766	0.000997994
ADARB1 turquoise	-0.303641534	2.04E-11	-0.324459497	6.56E-13
ADCY2 turquoise	-0.228612595	5.93E-07	-0.218709215	1.83E-06
ADCY3 turquoise	-0.284948896	3.57E-10	-0.303669701	2.03E-11
ADCY5 turquoise	-0.270760448	2.73E-09	-0.274458837	1.63E-09
ADCY9 turquoise	-0.436639288	3.67E-23	-0.403530638	1.03E-19
ADCYAPturquoise	-0.165750932	0.000321635	-0.168720785	0.000249663
ADH1B turquoise	-0.205264048	7.76E-06	-0.208855811	5.32E-06
ADHFE1 turquoise	-0.370839754	1.13E-16	-0.376594063	3.49E-17
ADM2 turquoise	0.1502529	0.001126766	0.152445303	0.000950176
ADRA1D turquoise	-0.299442175	3.95E-11	-0.306799181	1.23E-11

ADRA2A turquoise	0.057266501	0.216742361	0.078329836	0.090878018
ADRA2C turquoise	-0.25754989	1.64E-08	-0.258132627	1.52E-08
AFAP1L1 turquoise	-0.22859436	5.95E-07	-0.228571011	5.96E-07
AFAP1L2 turquoise	-0.280423645	6.92E-10	-0.275787724	1.35E-09
AFF3 turquoise	-0.035486931	0.444232923	-0.049276462	0.287933814
AGMAT turquoise	0.191180363	3.20E-05	0.203666857	9.16E-06
AGRN turquoise	-0.031812593	0.492834733	-0.021656517	0.64064167
AHCY turquoise	0.060281483	0.193468869	0.048202285	0.29858486
AHNAK turquoise	-0.159618511	0.000535451	-0.173046456	0.000171324
AIFM1 turquoise	0.054054337	0.243676692	0.075709118	0.102248541
AKAP2 turquoise	-0.177010406	0.000120364	-0.184094575	6.28E-05
AKNAD1 turquoise	-0.205836222	7.31E-06	-0.196674412	1.86E-05
AKT3 turquoise	-0.259479626	1.27E-08	-0.245703275	7.53E-08
ALDH18/turquoise	0.405812539	6.10E-20	0.39927928	2.67E-19
ALDH1A turquoise	-0.089295827	0.053807705	-0.106111447	0.021823799
ALDH1A turquoise	-0.354406577	2.88E-15	-0.347440357	1.07E-14
ALDH1A turquoise	0.010454613	0.821725058	0.00933896	0.840479511
ALDH1B turquoise	-0.109495697	0.017932858	-0.115839919	0.01224336
ALDOA turquoise	0.163706443	0.000381969	0.207936645	5.87E-06
AMIGO1 turquoise	-0.175796865	0.000134211	-0.183565684	6.60E-05
AMPH turquoise	-0.109924319	0.017486117	-0.126936116	0.006016502
ANG turquoise	0.178454568	0.000105636	0.174332464	0.000152912
ANGPT1 turquoise	-0.163473061	0.00038949	-0.152856582	0.000920042
ANGPTL turquoise	-0.11470732	0.013123689	-0.115295729	0.012659611
ANK2 turquoise	-0.155966847	0.000719184	-0.191167294	3.20E-05
ANKDD1 turquoise	-0.327388324	3.96E-13	-0.330872456	2.16E-13
ANKRD2 turquoise	-0.252633994	3.11E-08	-0.269319415	3.34E-09
ANKRD3 turquoise	-0.41143633	1.67E-20	-0.421514063	1.54E-21
ANKRD3 turquoise	0.049025487	0.290399206	0.021145779	0.648540653
ANKZF1 turquoise	0.14913804	0.001227732	0.144721185	0.001715074
ANO4 turquoise	-0.206393376	6.90E-06	-0.1960454	1.98E-05
ANO5 turquoise	-0.440805777	1.27E-23	-0.452131314	6.57E-25
ANO9 turquoise	0.058132628	0.209859948	0.054086272	0.243397863
ANTXR2 turquoise	-0.058482176	0.207127516	-0.055725032	0.229388736
ANXA6 turquoise	-0.182624387	7.21E-05	-0.13810525	0.002782247
AOC3 turquoise	-0.15950061	0.000540629	-0.152387936	0.000954451
AOX1 turquoise	-0.251790735	3.47E-08	-0.267747183	4.15E-09
AP1S1 turquoise	0.270179132	2.96E-09	0.289336415	1.86E-10
AP4S1 turquoise	-0.220871736	1.44E-06	-0.20785563	5.92E-06
APBA1 turquoise	-0.180648151	8.65E-05	-0.176130493	0.000130262
APBB1 turquoise	-0.394790601	7.21E-19	-0.400578556	1.99E-19
APEH turquoise	0.148394577	0.001299622	0.173724229	0.000161376
APEX2 turquoise	0.217662485	2.05E-06	0.239445922	1.63E-07
APOD turquoise	-0.168822556	0.000247486	-0.160692647	0.000490355
APOLD1 turquoise	-0.207924668	5.87E-06	-0.225935233	8.08E-07

AQP8	turquoise	-0.204826854	8.12E-06	-0.203676814	9.15E-06
AR	turquoise	-0.048694038	0.293676744	-0.061969533	0.181265356
ARHGAP	turquoise	-0.093097347	0.044343641	-0.07540186	0.103652492
ARHGAP	turquoise	-0.290187517	1.63E-10	-0.288722683	2.04E-10
ARHGAP	turquoise	-0.444616853	4.75E-24	-0.447323728	2.34E-24
ARHGAP	turquoise	-0.14133108	0.002203152	-0.142953431	0.00195562
ARHGAP	turquoise	-0.270916584	2.67E-09	-0.269949491	3.06E-09
ARHGEF	turquoise	0.021098199	0.649278551	0.009737345	0.833771603
ARHGEF	turquoise	-0.325437027	5.55E-13	-0.316281247	2.62E-12
ARHGEF	turquoise	0.138679815	0.002669906	0.123313994	0.007633023
ARHGEF	turquoise	-0.265550299	5.60E-09	-0.27528632	1.45E-09
ARHGEF	turquoise	-0.068664471	0.138440314	-0.094403562	0.041433377
ARHGEF	turquoise	-0.110345611	0.017056526	-0.137344428	0.002937628
ARHGEF	turquoise	0.075432976	0.103509622	0.073863635	0.110912062
ARL10	turquoise	-0.407020284	4.63E-20	-0.417677066	3.85E-21
ARMC9	turquoise	-0.051542371	0.266312759	-0.057994358	0.210947964
ARMCX1	turquoise	-0.493717896	4.57E-30	-0.487470936	3.03E-29
ARMCX4	turquoise	-0.383337234	8.53E-18	-0.393282265	1.00E-18
ARRB1	turquoise	-0.328520769	3.25E-13	-0.285113379	3.48E-10
ARSI	turquoise	-0.287211797	2.55E-10	-0.266730223	4.77E-09
ART4	turquoise	-0.155533543	0.000744494	-0.138182194	0.002766957
ARTN	turquoise	0.243822404	9.52E-08	0.232071227	3.96E-07
ARVCF	turquoise	0.190212526	3.51E-05	0.168756135	0.000248905
ASB1	turquoise	-0.203436651	9.38E-06	-0.216363002	2.37E-06
ASB2	turquoise	-0.160741887	0.000488374	-0.125584113	0.006579935
ASB5	turquoise	-0.142692673	0.001993606	-0.141683175	0.002147118
ASPA	turquoise	-0.231987206	4.00E-07	-0.237104555	2.17E-07
ASPN	turquoise	-0.077700867	0.093509967	-0.0472126	0.308627379
ATIC	turquoise	0.127298993	0.005872844	0.113763031	0.013899824
ATL1	turquoise	-0.041138756	0.375074021	-0.048818424	0.292443861
ATOH8	turquoise	-0.25221506	3.29E-08	-0.262927316	8.00E-09
ATP13A1	turquoise	0.127336483	0.005858179	0.146427413	0.001508926
ATP13A2	turquoise	0.278814676	8.73E-10	0.279339934	8.09E-10
ATP1B2	turquoise	-0.347154859	1.13E-14	-0.334164961	1.20E-13
ATP6AP1	turquoise	0.11726582	0.011209476	0.130956099	0.004588057
ATP6V0E	turquoise	0.094080644	0.04213741	0.121753724	0.008441672
ATP6V1C	turquoise	-0.279644137	7.74E-10	-0.294092294	9.04E-11
ATP8B2	turquoise	-0.326663169	4.49E-13	-0.322209259	9.64E-13
ATP8B4	turquoise	-0.179541762	9.57E-05	-0.174359166	0.00015255
ATRNL1	turquoise	-0.245633399	7.59E-08	-0.257930796	1.56E-08
AVPR1A	turquoise	-0.227888337	6.45E-07	-0.21513546	2.71E-06
AVPR2	turquoise	-0.318182701	1.90E-12	-0.321160274	1.15E-12
AXIN1	turquoise	0.201618347	1.13E-05	0.204882034	8.08E-06
AXL	turquoise	-0.300966671	3.11E-11	-0.280077464	7.27E-10
B3GALT1	turquoise	0.004056466	0.93033258	-0.013954925	0.763586122

B3GNT4	turquoise	0.187539641	4.54E-05	0.200190075	1.31E-05
B4GAT1	turquoise	-0.141634154	0.002154841	-0.168146876	0.000262275
BACH2	turquoise	-0.349392068	7.45E-15	-0.348110132	9.47E-15
BAG2	turquoise	-0.001363352	0.976558866	-0.003158811	0.945722175
BAI3	turquoise	-0.263705557	7.20E-09	-0.287299665	2.52E-10
BAIAP2L	turquoise	0.254149964	2.56E-08	0.268806841	3.58E-09
BCAN	turquoise	-0.150469767	0.001108038	-0.163930365	0.000374881
BCHE	turquoise	-0.251274622	3.71E-08	-0.26018959	1.15E-08
BCL2	turquoise	-0.035399166	0.445361107	-0.101578463	0.028168881
BDH1	turquoise	0.08261261	0.074498629	0.137791108	0.002845474
BEGAIN	turquoise	-0.153898136	0.000847632	-0.133350831	0.003890374
BEND6	turquoise	-0.350803657	5.71E-15	-0.344829748	1.74E-14
BEST1	turquoise	-0.234152418	3.09E-07	-0.233651979	3.28E-07
BHLHE41	turquoise	-0.258620065	1.42E-08	-0.240631944	1.41E-07
BHMT2	turquoise	-0.396388755	5.07E-19	-0.38824291	3.00E-18
BIK	turquoise	0.059446514	0.199722876	0.081009486	0.080323284
BMP6	turquoise	-0.162900575	0.000408526	-0.178952511	0.000100964
BNC2	turquoise	-0.261654413	9.49E-09	-0.260105703	1.17E-08
BOC	turquoise	-0.224148903	9.92E-07	-0.213976465	3.07E-06
BPI	turquoise	-0.19444462	2.32E-05	-0.182263955	7.45E-05
BST1	turquoise	-0.296456826	6.28E-11	-0.281794698	5.67E-10
BTBD19	turquoise	-0.34541144	1.56E-14	-0.331189613	2.04E-13
BTG1	turquoise	0.062759703	0.175752666	0.045334046	0.32829487
BVES	turquoise	-0.186811212	4.87E-05	-0.199919143	1.34E-05
C11orf95	turquoise	-0.323230688	8.10E-13	-0.341714609	3.09E-14
C11orf96	turquoise	-0.112312607	0.015170674	-0.094925556	0.04031632
C14orf28	turquoise	-0.042605784	0.358269002	-0.046441408	0.316605378
C15orf52	turquoise	-0.269922551	3.07E-09	-0.269901732	3.08E-09
C16orf45	turquoise	-0.310335101	6.96E-12	-0.29039682	1.58E-10
C16orf86	turquoise	-0.084572863	0.067848813	-0.067703187	0.144061057
C17orf51	turquoise	-0.354263402	2.96E-15	-0.368371693	1.87E-16
C17orf61	turquoise	0.026773094	0.563855442	0.016570633	0.720972584
C19orf54	turquoise	0.186980274	4.79E-05	0.201027012	1.20E-05
C1orf159	turquoise	0.139565596	0.002504791	0.134007751	0.003716564
C1orf21	turquoise	-0.066932302	0.148693193	-0.08212168	0.076244612
C1orf53	turquoise	0.076917759	0.096871719	0.096720213	0.036668058
C1QTNF1	turquoise	-0.243802946	9.54E-08	-0.203360341	9.46E-06
C1QTNF2	turquoise	-0.200444243	1.27E-05	-0.194475735	2.32E-05
C1QTNF4	turquoise	-0.225416414	8.58E-07	-0.22177863	1.30E-06
C1QTNF7	turquoise	-0.244581416	8.66E-08	-0.236742925	2.27E-07
C1R	turquoise	-0.305428519	1.54E-11	-0.26925276	3.37E-09
C1S	turquoise	-0.310505636	6.77E-12	-0.266649281	4.82E-09
C2CD4C	turquoise	-0.163476988	0.000389362	-0.166208542	0.000309409
C2orf15	turquoise	-0.034641829	0.45516367	-0.030597914	0.509504829
C2orf40	turquoise	-0.331478661	1.94E-13	-0.334435702	1.15E-13



C2orf74	turquoise	-0.400565383	2.00E-19	-0.377802305	2.72E-17
C3orf18	turquoise	-0.155013157	0.000775979	-0.180191843	9.02E-05
C3orf70	turquoise	-0.225288959	8.70E-07	-0.2188753	1.79E-06
C4orf32	turquoise	-0.009992899	0.829474942	-0.013253421	0.775143264
C7	turquoise	-0.208659023	5.44E-06	-0.208726503	5.40E-06
C7orf31	turquoise	-0.430414438	1.75E-22	-0.432727362	9.83E-23
C8orf46	turquoise	-0.301610249	2.81E-11	-0.305663287	1.48E-11
C8orf88	turquoise	-0.383599131	8.07E-18	-0.38803271	3.14E-18
C9orf3	turquoise	-0.274276049	1.67E-09	-0.263279508	7.63E-09
CA11	turquoise	-0.174325778	0.000153002	-0.195014147	2.20E-05
CA3	turquoise	-0.269451137	3.28E-09	-0.294043569	9.10E-11
CAB39L	turquoise	-0.092068568	0.046755131	-0.100985443	0.029106125
CABP1	turquoise	-0.210928948	4.27E-06	-0.217391781	2.11E-06
CACNA1	turquoise	-0.151892117	0.000992146	-0.146005739	0.00155764
CACNA1	turquoise	-0.196005645	1.99E-05	-0.204485147	8.42E-06
CACNA1	turquoise	-0.173529573	0.000164176	-0.161361026	0.000464103
CACNA2	turquoise	-0.283624375	4.34E-10	-0.280382366	6.96E-10
CACNB2	turquoise	-0.254839882	2.34E-08	-0.2604593	1.11E-08
CADM3	turquoise	-0.192856569	2.72E-05	-0.203710326	9.12E-06
CALCOC	turquoise	-0.18104031	8.34E-05	-0.200131851	1.32E-05
CALD1	turquoise	-0.132522837	0.004119919	-0.122098499	0.008256685
CALHM2	turquoise	-0.266210536	5.12E-09	-0.262180778	8.85E-09
CALR	turquoise	0.018608429	0.688354911	0.02860485	0.537481709
CAMK2A	turquoise	-0.229643792	5.26E-07	-0.237474833	2.07E-07
CAMK2C	turquoise	-0.095150596	0.039842653	-0.12468191	0.006981778
CAMKM	turquoise	0.131961652	0.004282389	0.124599976	0.007019338
CAND2	turquoise	-0.275545639	1.39E-09	-0.292489299	1.15E-10
CAPN15	turquoise	0.149549926	0.001189497	0.158249127	0.000598531
CASKIN2	turquoise	-0.136096495	0.003209656	-0.151711447	0.00100622
CASP6	turquoise	0.299812319	3.73E-11	0.324947117	6.04E-13
CASQ2	turquoise	-0.160406126	0.000502025	-0.164743586	0.000350155
CAV1	turquoise	-0.189962623	3.60E-05	-0.190175552	3.53E-05
CAV2	turquoise	-0.238421538	1.85E-07	-0.229047045	5.64E-07
CBLN1	turquoise	-0.135747561	0.003289708	-0.137778099	0.00284812
CBLN4	turquoise	-0.230049657	5.02E-07	-0.224268009	9.78E-07
CBX6	turquoise	-0.303181685	2.20E-11	-0.314261132	3.66E-12
CBX7	turquoise	-0.225332659	8.66E-07	-0.226477249	7.59E-07
CBX8	turquoise	0.182358556	7.39E-05	0.166857599	0.00029281
CCBE1	turquoise	-0.240973268	1.35E-07	-0.261361352	9.87E-09
CCDC134	turquoise	0.164017444	0.000372157	0.171586674	0.000194736
CCDC136	turquoise	-0.276982964	1.14E-09	-0.283330784	4.53E-10
CCDC141	turquoise	-0.11849957	0.010378081	-0.103755046	0.024947729
CCDC145	turquoise	-0.010056672	0.828403505	-0.017570488	0.704900925
CCDC152	turquoise	-0.262628626	8.33E-09	-0.271741127	2.38E-09
CCDC181	turquoise	-0.38705645	3.87E-18	-0.387972756	3.18E-18

CCDC184turquoise	-0.259296798	1.30E-08	-0.238511277	1.83E-07
CCDC3 turquoise	-0.291660721	1.31E-10	-0.270093617	3.00E-09
CCDC36 turquoise	-0.27079252	2.72E-09	-0.265794271	5.42E-09
CCDC64 turquoise	0.105952318	0.022023529	0.109241447	0.018202537
CCDC80 turquoise	-0.230704946	4.65E-07	-0.205788555	7.35E-06
CCDC85/turquoise	-0.016953874	0.71479738	-0.057345667	0.216106652
CCIN turquoise	-0.296234864	6.50E-11	-0.293799336	9.45E-11
CCL14 turquoise	-0.210364607	4.53E-06	-0.217187833	2.16E-06
CCL16 turquoise	-0.165868434	0.000318454	-0.164070621	0.000370503
CCL21 turquoise	-0.145560788	0.001610606	-0.110287879	0.017114844
CCL23 turquoise	-0.200908143	1.22E-05	-0.1874426	4.58E-05
CCND2 turquoise	-0.181960514	7.66E-05	-0.144068168	0.001800582
CD200 turquoise	-0.106655582	0.021152656	-0.08048114	0.08232183
CD300LGturquoise	-0.183793443	6.46E-05	-0.193320455	2.60E-05
CD302 turquoise	-0.233913402	3.18E-07	-0.227546048	6.71E-07
CD99L2 turquoise	-0.252074237	3.35E-08	-0.26108942	1.02E-08
CDC42EFturquoise	-0.184658208	5.96E-05	-0.209235101	5.11E-06
CDC42EFturquoise	-0.210181109	4.62E-06	-0.170393718	0.000216059
CDH13 turquoise	-0.072215808	0.119126654	-0.07235749	0.118402192
CDH23 turquoise	-0.245327206	7.89E-08	-0.235998663	2.48E-07
CDIP1 turquoise	-0.26203592	9.02E-09	-0.247048805	6.35E-08
CDO1 turquoise	-0.292001795	1.24E-10	-0.295992378	6.75E-11
CDON turquoise	-0.282944481	4.79E-10	-0.319139932	1.62E-12
CELF2 turquoise	-0.03149868	0.497114723	-0.024246513	0.601221884
CEP112 turquoise	-0.22190812	1.28E-06	-0.225653958	8.35E-07
CES1 turquoise	-0.102607146	0.026604523	-0.123951945	0.007322836
CFL2 turquoise	-0.2237717	1.03E-06	-0.235452614	2.65E-07
CGNL1 turquoise	0.113983999	0.013714672	0.092383315	0.046005941
CHKA turquoise	0.087825311	0.057893874	0.07357422	0.112321636
CHPF2 turquoise	0.131606414	0.004388205	0.146799451	0.001467111
CHPT1 turquoise	-0.203416998	9.40E-06	-0.211241881	4.13E-06
CHRD turquoise	-0.234358537	3.02E-07	-0.219405799	1.69E-06
CHRD1 turquoise	-0.261703664	9.43E-09	-0.269215761	3.39E-09
CHRD2 turquoise	-0.140232189	0.002386734	-0.130422669	0.004758082
CHSY3 turquoise	-0.190361687	3.46E-05	-0.177918731	0.000110891
CIDEB turquoise	-0.17886995	0.000101725	-0.197352356	1.74E-05
CILP turquoise	-0.234453234	2.98E-07	-0.224543752	9.48E-07
CLDN11 turquoise	-0.236728457	2.27E-07	-0.239578924	1.61E-07
CLEC4G turquoise	-0.118431467	0.010422506	-0.105800959	0.022214976
CLEC4M turquoise	-0.215158205	2.70E-06	-0.223600877	1.06E-06
CLIP2 turquoise	-0.191997178	2.96E-05	-0.193396751	2.58E-05
CLIP3 turquoise	-0.363081217	5.34E-16	-0.344632225	1.81E-14
CLMP turquoise	-0.246616791	6.71E-08	-0.231305125	4.33E-07
CLSTN2 turquoise	-0.290988756	1.45E-10	-0.276879683	1.15E-09
CLVS2 turquoise	-0.042606448	0.358261498	-0.05077725	0.273485338

CMA1	turquoise	-0.170030054	0.000222982	-0.169865405	0.000226184
CMTM3	turquoise	-0.125231896	0.006734278	-0.103992611	0.024616195
CMTM5	turquoise	-0.222570806	1.19E-06	-0.242491195	1.12E-07
CMYA5	turquoise	-0.200882814	1.22E-05	-0.21342149	3.26E-06
CNN1	turquoise	-0.156220642	0.000704733	-0.126156338	0.006335934
CNNM1	turquoise	-0.301826727	2.72E-11	-0.295166278	7.66E-11
CNPY4	turquoise	-0.026024961	0.574803018	-0.050510377	0.276017814
CNRIP1	turquoise	-0.250701644	3.99E-08	-0.232319288	3.84E-07
CNTN1	turquoise	0.023888566	0.606604547	0.010764824	0.816527845
CNTN4	turquoise	-0.199564366	1.39E-05	-0.18672671	4.90E-05
CNTNAP	turquoise	-0.077644232	0.093749919	-0.073981795	0.110340592
COL12A1	turquoise	0.044880456	0.333162575	0.053324608	0.250109007
COL14A1	turquoise	-0.117842905	0.010813522	-0.11397796	0.013719703
COL16A1	turquoise	-0.323572306	7.64E-13	-0.310425813	6.86E-12
COL4A6	turquoise	-0.205612688	7.49E-06	-0.222062658	1.26E-06
COLEC12	turquoise	-0.250987879	3.85E-08	-0.261512768	9.68E-09
COPG1	turquoise	0.165215505	0.000336513	0.187302141	4.64E-05
COPZ1	turquoise	0.239148884	1.69E-07	0.244535956	8.71E-08
COPZ2	turquoise	-0.326744198	4.43E-13	-0.286971145	2.65E-10
COQ9	turquoise	0.315059587	3.20E-12	0.347938389	9.78E-15
CORO2B	turquoise	-0.319615453	1.50E-12	-0.30688362	1.22E-11
COX4I2	turquoise	-0.289181375	1.90E-10	-0.275088548	1.49E-09
COX5A	turquoise	0.224236786	9.82E-07	0.237289402	2.12E-07
COX7A1	turquoise	-0.200129202	1.32E-05	-0.170773803	0.000209039
CPA3	turquoise	-0.151120143	0.001053579	-0.109506411	0.01792157
CPE	turquoise	-0.285309382	3.38E-10	-0.276987623	1.13E-09
CPEB1	turquoise	-0.346869185	1.19E-14	-0.353227192	3.61E-15
CPED1	turquoise	-0.1963842	1.92E-05	-0.192322084	2.86E-05
CPQ	turquoise	-0.161580157	0.000455785	-0.181693885	7.85E-05
CPXM1	turquoise	-0.335794887	9.01E-14	-0.294823117	8.08E-11
CPZ	turquoise	-0.193173597	2.63E-05	-0.179668576	9.46E-05
CREBRF	turquoise	-0.277829043	1.01E-09	-0.286372309	2.89E-10
CRHBP	turquoise	-0.269222829	3.38E-09	-0.279386653	8.04E-10
CRIM1	turquoise	-0.300590245	3.30E-11	-0.300816324	3.19E-11
CRISPLD	turquoise	-0.131093566	0.004545139	-0.112901516	0.014642871
CRMP1	turquoise	-0.281588189	5.84E-10	-0.283937897	4.14E-10
CRTAP	turquoise	-0.076931539	0.09681174	-0.095726141	0.0386526
CSDC2	turquoise	-0.255418772	2.17E-08	-0.244225993	9.05E-08
CSGALN	turquoise	-0.02398081	0.605215357	-0.045182423	0.329916872
CSRNP1	turquoise	-0.040072494	0.387587765	-0.036100159	0.436395697
CSRP1	turquoise	-0.05147964	0.266895929	-0.049045276	0.290204302
CSTB	turquoise	0.2082281	5.69E-06	0.239555623	1.61E-07
CTB-133	turquoise	-0.124184631	0.007212536	-0.128220394	0.005521822
CTD-220	turquoise	-0.140945148	0.002266103	-0.128958031	0.005254536
CTF1	turquoise	0.034168059	0.461356949	0.05693208	0.219442592

CTGF	turquoise	-0.048868332	0.291950165	-0.036095088	0.436460171
CTIF	turquoise	-0.024515868	0.597185657	-0.033404569	0.471435577
CTNNA3	turquoise	-0.235775184	2.55E-07	-0.247861499	5.73E-08
CTSF	turquoise	-0.335230027	9.96E-14	-0.36279558	5.65E-16
CTSG	turquoise	-0.220333362	1.53E-06	-0.206380642	6.91E-06
CTSK	turquoise	-0.133316996	0.003899523	-0.097774698	0.034658154
CTSO	turquoise	-0.128236683	0.00551579	-0.116241837	0.011943739
CUX1	turquoise	-0.181298851	8.14E-05	-0.212620315	3.56E-06
CXCL12	turquoise	-0.283414771	4.47E-10	-0.268290287	3.85E-09
CXorf57	turquoise	-0.194122083	2.40E-05	-0.19692358	1.82E-05
CYBRD1	turquoise	-0.31912363	1.63E-12	-0.322732284	8.82E-13
CYP1B1	turquoise	-0.272875981	2.03E-09	-0.248326674	5.41E-08
CYP2U1	turquoise	-0.151368717	0.001033425	-0.139441738	0.002527304
CYR61	turquoise	-0.089546966	0.053134438	-0.096994013	0.036136894
CYS1	turquoise	-0.226367157	7.69E-07	-0.239334321	1.65E-07
CYTL1	turquoise	-0.305437027	1.53E-11	-0.3154569	3.00E-12
DAAM2	turquoise	-0.08211296	0.076275922	-0.125430467	0.006646869
DAB2	turquoise	-0.189374693	3.81E-05	-0.17740273	0.000116183
DACT1	turquoise	-0.111463262	0.015961283	-0.101297005	0.028610431
DACT3	turquoise	-0.24233084	1.15E-07	-0.231460909	4.25E-07
DAGLB	turquoise	0.045229779	0.329409722	0.082960966	0.073279566
DBI	turquoise	0.224617277	9.40E-07	0.229208539	5.54E-07
DBNDD1	turquoise	0.319450928	1.54E-12	0.343305018	2.31E-14
DBNDD2	turquoise	-0.194114718	2.40E-05	-0.20752016	6.13E-06
DCAF12I	turquoise	-0.292651494	1.13E-10	-0.293186844	1.04E-10
DCHS1	turquoise	-0.186318758	5.10E-05	-0.19023613	3.51E-05
DCLK1	turquoise	-0.139786047	0.002465171	-0.155510287	0.000745875
DCLK2	turquoise	-0.23482969	2.85E-07	-0.23985149	1.55E-07
DCN	turquoise	-0.214806519	2.81E-06	-0.193030854	2.67E-05
DCP1B	turquoise	-0.139233889	0.0025655	-0.15848154	0.000587361
DDR2	turquoise	-0.262010928	9.05E-09	-0.245912007	7.33E-08
DDX54	turquoise	0.115974833	0.012142052	0.125121019	0.006783532
DEFB124	turquoise	-0.286563638	2.81E-10	-0.281952681	5.54E-10
DENND2	turquoise	-0.261662015	9.48E-09	-0.252836485	3.03E-08
DENND2	turquoise	0.009668879	0.834923572	0.046912643	0.31171455
DES	turquoise	-0.190646844	3.37E-05	-0.163222079	0.000397731
DET1	turquoise	-0.093912335	0.042508344	-0.108438156	0.019077969
DFNA5	turquoise	-0.342510033	2.67E-14	-0.345292838	1.60E-14
DGKB	turquoise	-0.18474095	5.91E-05	-0.18984871	3.64E-05
DIO3	turquoise	-0.164784774	0.000348944	-0.168642858	0.000251341
DIP2C	turquoise	-0.206501892	6.82E-06	-0.244923152	8.30E-08
DIRAS1	turquoise	-0.179401821	9.69E-05	-0.190289712	3.49E-05
DIXDC1	turquoise	-0.180909351	8.44E-05	-0.184771039	5.90E-05
DLC1	turquoise	-0.016633243	0.719962489	-0.030438281	0.511717295
DLG4	turquoise	-0.103541396	0.025249172	-0.131403903	0.00444958

DLL1	turquoise	-0.056657615	0.221676633	-0.080377175	0.082719787
DMD	turquoise	-0.183698935	6.52E-05	-0.188018754	4.34E-05
DMPK	turquoise	-0.114820247	0.013033478	-0.130914866	0.004601001
DNAJB5	turquoise	-0.248766233	5.11E-08	-0.252589489	3.13E-08
DNAJC1	turquoise	-0.308673472	9.11E-12	-0.340746905	3.69E-14
DNASE1	turquoise	-0.082208593	0.075933105	-0.08187667	0.077128349
DOK6	turquoise	-0.139556491	0.00250644	-0.130343171	0.004783902
DPP3	turquoise	0.196905136	1.82E-05	0.199935264	1.34E-05
DPP6	turquoise	-0.193343594	2.59E-05	-0.196632032	1.87E-05
DPT	turquoise	-0.210380594	4.53E-06	-0.205585073	7.51E-06
DPYD	turquoise	-0.158542034	0.000584486	-0.142488683	0.002023792
DPYSL2	turquoise	-0.124127887	0.007239296	-0.131049353	0.004558903
DPYSL3	turquoise	-0.10012027	0.030521419	-0.105927999	0.022054192
DPYSL4	turquoise	-0.157624154	0.000629554	-0.158089927	0.000606296
DRP2	turquoise	-0.25293219	3.00E-08	-0.249730084	4.52E-08
DSCAML	turquoise	-0.339539635	4.59E-14	-0.319720154	1.47E-12
DSEL	turquoise	-0.291759589	1.29E-10	-0.309774575	7.62E-12
DSP	turquoise	0.132601858	0.004097495	0.1186223	0.010298445
DSTN	turquoise	-0.079064925	0.087877622	-0.081257217	0.079399833
DTNA	turquoise	-0.378813696	2.20E-17	-0.391512043	1.48E-18
DTNB	turquoise	0.274793406	1.55E-09	0.293655347	9.66E-11
DUSP1	turquoise	-0.116861569	0.011494436	-0.120273699	0.009278424
DUSP3	turquoise	-0.067620198	0.14455436	-0.045475026	0.326791356
DZIP1	turquoise	-0.353621576	3.35E-15	-0.382052968	1.12E-17
EBF1	turquoise	-0.170416681	0.000215629	-0.168808401	0.000247788
EBF2	turquoise	-0.013043683	0.778608458	-0.025533422	0.582049912
EBF3	turquoise	-0.190067577	3.56E-05	-0.206037013	7.16E-06
EBF4	turquoise	-0.42406539	8.30E-22	-0.417563885	3.95E-21
ECM2	turquoise	-0.206806864	6.61E-06	-0.189855787	3.64E-05
EDA2R	turquoise	0.014912615	0.747893229	0.00285929	0.950862016
EDEM2	turquoise	0.084622052	0.067688419	0.074202896	0.109277485
EDIL3	turquoise	-0.122369752	0.008113697	-0.108113587	0.019441962
EDNRA	turquoise	-0.217894536	2.00E-06	-0.201378794	1.16E-05
EDNRB	turquoise	-0.144062308	0.001801366	-0.156496454	0.000689332
EFCC1	turquoise	-0.161820933	0.000446805	-0.157691008	0.000626165
EFEMP1	turquoise	-0.329846823	2.58E-13	-0.32099011	1.19E-12
EFEMP2	turquoise	-0.314448458	3.54E-12	-0.282489293	5.12E-10
EFHD1	turquoise	-0.207851179	5.92E-06	-0.206218219	7.03E-06
EFNA3	turquoise	0.106118428	0.021815073	0.095531068	0.039052533
EFNA4	turquoise	0.228314193	6.14E-07	0.209990704	4.72E-06
EFS	turquoise	-0.318220996	1.89E-12	-0.33056508	2.28E-13
EGR1	turquoise	-0.028637796	0.537013068	-0.055363446	0.232429523
EGR2	turquoise	-0.156916067	0.0006665	-0.161449433	0.00046073
EHBP1	turquoise	-0.128222924	0.005520885	-0.118421493	0.010429027
EHD2	turquoise	-0.193716452	2.50E-05	-0.164468136	0.000358354

EID3	turquoise	-0.358729056	1.25E-15	-0.355303931	2.43E-15
ELK3	turquoise	-0.174586531	0.000149501	-0.171336824	0.000199031
ELN	turquoise	-0.108957952	0.018507404	-0.08713709	0.059892766
EMILIN1	turquoise	-0.165068241	0.000340716	-0.137495588	0.002906143
EMILIN3	turquoise	-0.168394399	0.000256764	-0.15431266	0.000820308
EML1	turquoise	-0.373547801	6.53E-17	-0.374609691	5.26E-17
EMP3	turquoise	-0.18303206	6.94E-05	-0.137282067	0.002950707
ENO1	turquoise	0.13461988	0.00356097	0.140743688	0.002299612
ENOX1	turquoise	-0.220273863	1.54E-06	-0.223523863	1.06E-06
ENPEP	turquoise	-0.224402549	9.63E-07	-0.227759359	6.55E-07
ENPP1	turquoise	-0.077707326	0.09348263	-0.105162389	0.023038637
ENTPD6	turquoise	0.225511308	8.49E-07	0.218145188	1.95E-06
EPB41L3	turquoise	-0.285669327	3.21E-10	-0.273889308	1.76E-09
EPDR1	turquoise	-0.104342142	0.024135327	-0.121963508	0.008328679
EPHA3	turquoise	0.029209732	0.528910285	0.014622924	0.752629512
EPHA5	turquoise	-0.157488611	0.000636476	-0.157952582	0.00061307
EPHB6	turquoise	-0.3014741	2.87E-11	-0.312667773	4.75E-12
EPM2A	turquoise	-0.334008601	1.24E-13	-0.352041072	4.52E-15
EPO	turquoise	-0.007239322	0.876012636	-0.035099334	0.449227554
ESPN	turquoise	0.086906734	0.060574434	0.111100914	0.016309414
ESRRA	turquoise	0.136218289	0.003182134	0.13791074	0.002821243
EVC2	turquoise	-0.361315615	7.56E-16	-0.37011229	1.31E-16
EXTL1	turquoise	-0.260652655	1.09E-08	-0.26949292	3.26E-09
EZH1	turquoise	-0.126493041	0.006196185	-0.151408912	0.0010302
EZR	turquoise	0.129976133	0.004904759	0.159935252	0.000521768
F10	turquoise	-0.317710118	2.06E-12	-0.318267842	1.88E-12
F12	turquoise	0.173093181	0.00017062	0.173456943	0.000165232
F13A1	turquoise	-0.163412501	0.000391464	-0.163212455	0.000398051
F8	turquoise	-0.208591378	5.47E-06	-0.230489456	4.77E-07
FAAH2	turquoise	-0.028903505	0.533240972	-0.035000417	0.450507268
FAM101	turquoise	-0.005797402	0.900564555	-0.01555168	0.737478558
FAM110	turquoise	0.300787618	3.20E-11	0.311683296	5.59E-12
FAM110	turquoise	-0.504280767	1.71E-31	-0.509431725	3.31E-32
FAM114	turquoise	0.008088577	0.8616061	0.031006431	0.503865756
FAM117	turquoise	-0.231985657	4.00E-07	-0.257416909	1.67E-08
FAM129	turquoise	0.050756837	0.273678484	0.062834784	0.175235409
FAM131	turquoise	-0.244594762	8.65E-08	-0.234982444	2.80E-07
FAM13C	turquoise	-0.049609008	0.284688868	-0.038928109	0.401296929
FAM162	turquoise	-0.32538116	5.60E-13	-0.304609567	1.75E-11
FAM180	turquoise	-0.141701783	0.002144194	-0.124173836	0.00721762
FAM180	turquoise	-0.190274277	3.49E-05	-0.197329256	1.75E-05
FAM198	turquoise	-0.153009973	0.000909031	-0.150930376	0.001069208
FAM198	turquoise	0.021521785	0.642721533	0.014443455	0.75556842
FAM19A	turquoise	-0.277414774	1.07E-09	-0.278716614	8.85E-10
FAM212	turquoise	0.003566813	0.938724451	-0.002256165	0.961217713

FAM219A turquoise	-0.249908397	4.42E-08	-0.244474443	8.78E-08
FAM228E turquoise	-0.162903633	0.000408422	-0.168119959	0.00026288
FAM26E turquoise	-0.145972471	0.001561544	-0.120110235	0.009375221
FAM43A turquoise	-0.215386762	2.64E-06	-0.205792717	7.35E-06
FAM49A turquoise	-0.258621902	1.42E-08	-0.241222378	1.31E-07
FAM65A turquoise	-0.040206133	0.386005606	-0.021850438	0.637653064
FAM65B turquoise	-0.220829527	1.44E-06	-0.204917723	8.05E-06
FAM65C turquoise	-0.298223092	4.78E-11	-0.293568211	9.79E-11
FAM69A turquoise	-0.33491932	1.05E-13	-0.326535092	4.59E-13
FAM71E1 turquoise	-0.116519573	0.011740497	-0.10263703	0.026560219
FAM78B turquoise	0.06596096	0.154690201	0.044421891	0.338130631
FAM83G turquoise	0.191076395	3.23E-05	0.18221551	7.48E-05
FAM89A turquoise	-0.353430672	3.47E-15	-0.346209724	1.35E-14
FAT4 turquoise	-0.100801805	0.029401731	-0.100967912	0.029134236
FAXDC2 turquoise	-0.33837737	5.66E-14	-0.337367033	6.79E-14
FBLN5 turquoise	-0.289632269	1.78E-10	-0.261441509	9.77E-09
FBXL22 turquoise	-0.165483929	0.000328976	-0.162705302	0.000415215
FBXL7 turquoise	-0.189579476	3.73E-05	-0.18682589	4.86E-05
FBXO17 turquoise	-0.449613069	1.28E-24	-0.453000986	5.21E-25
FBXO32 turquoise	-0.181119865	8.28E-05	-0.178035133	0.000109729
FERMT2 turquoise	-0.159818001	0.000526795	-0.170426134	0.000215452
FES turquoise	-0.293828279	9.41E-11	-0.266917586	4.65E-09
FEZ1 turquoise	-0.224764453	9.24E-07	-0.194779917	2.25E-05
FGF1 turquoise	-0.169051314	0.000242659	-0.149108713	0.001230497
FGF10 turquoise	-0.212857702	3.47E-06	-0.224379854	9.66E-07
FGF13 turquoise	-0.092057703	0.046781172	-0.142525215	0.002018356
FGF2 turquoise	-0.22985678	5.13E-07	-0.217491592	2.09E-06
FGF7 turquoise	-0.182003705	7.63E-05	-0.183796978	6.46E-05
FHL1 turquoise	-0.300584327	3.31E-11	-0.289905538	1.71E-10
FHL3 turquoise	-0.241406785	1.28E-07	-0.233334124	3.41E-07
FHL5 turquoise	-0.124034168	0.007283689	-0.13204123	0.004259003
FIBIN turquoise	-0.034066537	0.462690164	-0.024765227	0.593460053
FIGF turquoise	-0.076421413	0.099051861	-0.092240574	0.046344448
FILIP1 turquoise	-0.190047443	3.57E-05	-0.183788527	6.47E-05
FILIP1L turquoise	-0.184179504	6.23E-05	-0.169661898	0.000230201
FKBP7 turquoise	-0.203843561	9.00E-06	-0.210274135	4.58E-06
FLAD1 turquoise	0.221746613	1.30E-06	0.232915965	3.58E-07
FLNA turquoise	-0.192491238	2.82E-05	-0.17570354	0.000135336
FLNC turquoise	-0.265661176	5.52E-09	-0.258472809	1.45E-08
FLRT2 turquoise	-0.187610938	4.51E-05	-0.189588069	3.73E-05
FMNL3 turquoise	-0.295252969	7.56E-11	-0.295996492	6.75E-11
FMO1 turquoise	-0.06114541	0.187150139	-0.058217132	0.209197004
FMOD turquoise	-0.049954706	0.281341824	-0.034534112	0.456567667
FNBP1 turquoise	-0.358596347	1.28E-15	-0.339600193	4.54E-14
FNDC5 turquoise	-0.300918662	3.14E-11	-0.30185806	2.71E-11

FOS	turquoise	-0.002787741	0.952090117	-0.029111995	0.530290543
FOSB	turquoise	-0.084209616	0.069042931	-0.11701554	0.011385154
FOSL2	turquoise	-0.244891234	8.33E-08	-0.252802801	3.05E-08
FOXI2	turquoise	-0.091777013	0.047458218	-0.088465699	0.056083857
FOXJ2	turquoise	-0.071029711	0.125328122	-0.080557019	0.082032362
FOXL2	turquoise	-0.218802681	1.81E-06	-0.206171144	7.06E-06
FOXL2N1	turquoise	-0.205824959	7.32E-06	-0.200036625	1.33E-05
FOXN3	turquoise	-0.104242662	0.024271354	-0.110541142	0.016860298
FOXO1	turquoise	-0.069201309	0.135375497	-0.078702501	0.089346816
FOXO4	turquoise	-0.266850718	4.69E-09	-0.302957297	2.27E-11
FOXP1	turquoise	0.007990251	0.86327182	0.037600728	0.417556538
FOXP2	turquoise	-0.141293202	0.002209259	-0.145255246	0.001647928
FRAT2	turquoise	0.098836556	0.032729754	0.103466478	0.025355618
FREM1	turquoise	-0.220224587	1.54E-06	-0.228168334	6.25E-07
FRMD3	turquoise	-0.222563356	1.19E-06	-0.214921088	2.77E-06
FRMD6	turquoise	-0.073804887	0.111197057	-0.089467299	0.053347248
FRMD7	turquoise	-0.149856685	0.001161738	-0.154143293	0.000831372
FRY	turquoise	-0.213513724	3.23E-06	-0.205608957	7.49E-06
FSTL1	turquoise	-0.131212671	0.004508247	-0.133129997	0.003950436
FSTL3	turquoise	-0.214373051	2.94E-06	-0.187002995	4.78E-05
FXYD1	turquoise	-0.332121539	1.73E-13	-0.338050303	6.01E-14
FXYD6	turquoise	-0.412541943	1.29E-20	-0.41637513	5.24E-21
FYCO1	turquoise	-0.03289092	0.478283648	-0.046711815	0.313792793
FYN	turquoise	-0.244309952	8.96E-08	-0.262476619	8.50E-09
FZD4	turquoise	-0.204536523	8.37E-06	-0.199231513	1.44E-05
FZD7	turquoise	-0.23493326	2.82E-07	-0.254086138	2.58E-08
GAB2	turquoise	-0.214860641	2.79E-06	-0.24100634	1.35E-07
GABARA	turquoise	-0.192194589	2.90E-05	-0.182859357	7.05E-05
GABBR1	turquoise	-0.316501246	2.52E-12	-0.32617193	4.89E-13
GABRB3	turquoise	-0.162185869	0.000433508	-0.18337282	6.72E-05
GALE	turquoise	0.198215586	1.60E-05	0.223746853	1.04E-06
GALNT1	turquoise	-0.125841005	0.006469371	-0.118496766	0.010379907
GALNT1	turquoise	-0.204338672	8.55E-06	-0.210047354	4.69E-06
GALNT6	turquoise	0.115855669	0.012231495	0.135259166	0.0034048
GAPDH	turquoise	0.280127553	7.22E-10	0.290242886	1.62E-10
GARNL3	turquoise	-0.258660508	1.42E-08	-0.289208689	1.89E-10
GAS1	turquoise	-0.266416016	4.98E-09	-0.248740324	5.13E-08
GAS6	turquoise	-0.342591918	2.63E-14	-0.338063776	5.99E-14
GAS7	turquoise	-0.238905927	1.74E-07	-0.240343383	1.46E-07
GATA6	turquoise	-0.203218283	9.60E-06	-0.200664186	1.25E-05
GCOM1	turquoise	-0.087144419	0.059871183	-0.109067923	0.018388618
GCSAML	turquoise	-0.209433175	5.01E-06	-0.194121195	2.40E-05
GDAP1L1	turquoise	-0.213425381	3.26E-06	-0.215808329	2.52E-06
GDF10	turquoise	-0.161850241	0.000445723	-0.16054628	0.000496285
GDF15	turquoise	0.335900161	8.84E-14	0.355511028	2.33E-15



GDF7	turquoise	-0.17298079	0.000172318	-0.168152951	0.000262138
GEM	turquoise	-0.079204033	0.087318891	-0.070472938	0.128324365
GFPT2	turquoise	-0.191892625	2.99E-05	-0.1941538	2.39E-05
GFRA1	turquoise	-0.288709925	2.04E-10	-0.292928812	1.08E-10
GGT5	turquoise	-0.099576998	0.031439919	-0.042401603	0.360579217
GHR	turquoise	-0.269739838	3.15E-09	-0.270073523	3.01E-09
GIPC1	turquoise	0.038150435	0.410776523	0.063004806	0.174068266
GJC1	turquoise	-0.177823867	0.000111847	-0.177428972	0.000115908
GJC2	turquoise	-0.207555132	6.11E-06	-0.194443889	2.32E-05
GLI1	turquoise	-0.041978028	0.365401422	-0.0345413	0.456473897
GLI2	turquoise	-0.294615474	8.34E-11	-0.275748157	1.35E-09
GLI3	turquoise	-0.359496264	1.08E-15	-0.36559218	3.25E-16
GLIPR1	turquoise	-0.235301271	2.69E-07	-0.209152267	5.16E-06
GLIPR1L	turquoise	-0.138197675	0.00276389	-0.144634219	0.001726243
GLIPR2	turquoise	-0.278813742	8.73E-10	-0.245654377	7.57E-08
GLIS1	turquoise	-0.295355674	7.44E-11	-0.280379967	6.96E-10
GLP2R	turquoise	-0.099597984	0.031404004	-0.113756748	0.01390512
GLRA4	turquoise	-0.150845607	0.001076259	-0.157177668	0.000652622
GLT1D1	turquoise	-0.256588817	1.86E-08	-0.25767091	1.61E-08
GLT8D2	turquoise	-0.229674024	5.24E-07	-0.225544361	8.45E-07
GMDS	turquoise	0.248351892	5.39E-08	0.290753676	1.50E-10
GMIP	turquoise	0.283057465	4.71E-10	0.310383352	6.91E-12
GNA14	turquoise	0.016798797	0.71729394	0.036111482	0.436251734
GNAL	turquoise	-0.270958264	2.66E-09	-0.278600099	9.00E-10
GNAO1	turquoise	-0.181889071	7.71E-05	-0.175034357	0.000143663
GNAZ	turquoise	-0.28391331	4.16E-10	-0.307196204	1.16E-11
GNG11	turquoise	-0.063527739	0.170514793	-0.058368706	0.208011682
GNG2	turquoise	-0.131386702	0.004454829	-0.104234065	0.02428314
GNG7	turquoise	-0.205737666	7.39E-06	-0.214500979	2.90E-06
GOLT1A	turquoise	0.23470158	2.89E-07	0.238547315	1.82E-07
GOT1	turquoise	0.288288823	2.17E-10	0.286881853	2.68E-10
GPI	turquoise	0.133957407	0.003729631	0.151406102	0.001030425
GPIHBP1	turquoise	-0.243056727	1.05E-07	-0.253876569	2.65E-08
GPM6A	turquoise	-0.270737211	2.74E-09	-0.279583502	7.81E-10
GPR1	turquoise	-0.179075774	9.98E-05	-0.186154605	5.18E-05
GPR124	turquoise	-0.165976525	0.000315553	-0.146097112	0.001546963
GPR133	turquoise	-0.29401345	9.15E-11	-0.295234204	7.59E-11
GPR137B	turquoise	-0.21914687	1.74E-06	-0.189681448	3.70E-05
GPR146	turquoise	-0.092621008	0.045446866	-0.087829624	0.057881525
GPR153	turquoise	-0.290132271	1.65E-10	-0.298885182	4.31E-11
GPR161	turquoise	-0.207581342	6.09E-06	-0.226704397	7.40E-07
GPR17	turquoise	-0.264026141	6.89E-09	-0.257632972	1.62E-08
GPR173	turquoise	-0.458573286	1.16E-25	-0.471071609	3.60E-27
GPR176	turquoise	-0.204283487	8.60E-06	-0.185860459	5.32E-05
GPR182	turquoise	-0.189204282	3.87E-05	-0.198296621	1.58E-05

GPR20	turquoise	-0.302152139	2.58E-11	-0.295949332	6.79E-11
GPR78	turquoise	-0.245013871	8.21E-08	-0.246064152	7.19E-08
GPRASP1	turquoise	-0.259952348	1.19E-08	-0.263079973	7.84E-09
GPRASP2	turquoise	-0.245993908	7.26E-08	-0.263290353	7.62E-09
GPT2	turquoise	0.332668076	1.57E-13	0.355790898	2.21E-15
GRASP	turquoise	-0.40014015	2.20E-19	-0.409882898	2.39E-20
GREM1	turquoise	-0.1326455	0.004085158	-0.125203487	0.006746867
GRIA3	turquoise	-0.251911058	3.42E-08	-0.234364709	3.01E-07
GRID1	turquoise	-0.232584422	3.72E-07	-0.213938034	3.09E-06
GRK5	turquoise	-0.15620208	0.00070578	-0.13987864	0.002448701
GRM7	turquoise	-0.191668581	3.05E-05	-0.191514531	3.10E-05
GS1-259F	turquoise	-0.078655371	0.089539311	-0.087265503	0.059515531
GSN	turquoise	-0.038043866	0.412085814	-0.013327677	0.773917518
GSPT2	turquoise	-0.452804815	5.49E-25	-0.44551901	3.76E-24
GSS	turquoise	0.290143216	1.65E-10	0.295502503	7.28E-11
GSTM2	turquoise	-0.434802105	5.84E-23	-0.433368275	8.37E-23
GSTM5	turquoise	-0.263938742	6.98E-09	-0.261041647	1.03E-08
GTF2IRD	turquoise	-0.140354843	0.002365572	-0.161711157	0.000450863
GUCY1A	turquoise	-0.256738831	1.82E-08	-0.251017728	3.84E-08
GUCY1B	turquoise	-0.074755483	0.10665581	-0.076578014	0.098359836
GYS1	turquoise	0.254370199	2.49E-08	0.257028367	1.76E-08
H6PD	turquoise	-0.053152459	0.251643522	-0.061351346	0.185666602
HAAO	turquoise	-0.307235946	1.15E-11	-0.295976011	6.77E-11
HABP4	turquoise	-0.060920208	0.188782432	-0.093005068	0.044555587
HAND2	turquoise	-0.278300746	9.40E-10	-0.25939946	1.28E-08
HAPLN2	turquoise	-0.1964349	1.91E-05	-0.205681976	7.43E-06
HAS1	turquoise	-0.167341556	0.000280978	-0.165649432	0.000324408
HBEGF	turquoise	-0.05091477	0.272186555	-0.057040059	0.218568112
HDAC5	turquoise	-0.242462145	1.13E-07	-0.239444928	1.63E-07
HEPH	turquoise	-0.151047156	0.001059565	-0.146551209	0.001494892
HES6	turquoise	0.343737808	2.13E-14	0.337208961	6.99E-14
HGF	turquoise	-0.149017969	0.001239088	-0.168522164	0.000253962
HHIPL1	turquoise	-0.326669854	4.49E-13	-0.318046794	1.95E-12
HIC1	turquoise	-0.164348538	0.00036197	-0.137414791	0.002922933
HILPDA	turquoise	0.285099738	3.49E-10	0.288951515	1.97E-10
HIP1R	turquoise	0.233236633	3.45E-07	0.23594356	2.49E-07
HK2	turquoise	0.248662797	5.18E-08	0.255925502	2.03E-08
HLF	turquoise	-0.213626808	3.19E-06	-0.231370751	4.30E-07
HMCN2	turquoise	-0.226726085	7.38E-07	-0.226610671	7.48E-07
HN1L	turquoise	0.30819774	9.84E-12	0.320523365	1.28E-12
HNMT	turquoise	-0.081220886	0.079534718	-0.077917386	0.092597136
HOOK2	turquoise	0.033633744	0.468397647	0.008228179	0.85924218
HOPX	turquoise	-0.137485098	0.002908317	-0.100786277	0.029426844
HOXA10	turquoise	0.164672054	0.000352267	0.14639661	0.001512436
HOXA11	turquoise	0.116552778	0.011716405	0.121350083	0.008662931

HOXA13	turquoise	-0.110302335	0.017100224	-0.111959051	0.015495505
HPGDS	turquoise	-0.208470752	5.55E-06	-0.193886386	2.46E-05
HPSE2	turquoise	-0.232701153	3.67E-07	-0.224552528	9.47E-07
HRC	turquoise	-0.136586993	0.003100118	-0.137918876	0.002819602
HRCT1	turquoise	-0.131776491	0.004337253	-0.109123053	0.018329319
HS6ST1	turquoise	-0.061061575	0.187756566	-0.068073764	0.141873939
HS6ST3	turquoise	-0.027362039	0.555308355	-0.041499559	0.370896598
HSD17B1	turquoise	-0.197293667	1.75E-05	-0.225457071	8.54E-07
HSD17B1	turquoise	-0.193407213	2.57E-05	-0.199493384	1.40E-05
HSD17B6	turquoise	-0.223044527	1.12E-06	-0.221427095	1.35E-06
HSPA12E	turquoise	-0.276872614	1.15E-09	-0.257304507	1.69E-08
HSPB2	turquoise	-0.349096557	7.87E-15	-0.330627134	2.25E-13
HSPB2-C	turquoise	-0.176191593	0.000129551	-0.168079762	0.000263788
HSPB3	turquoise	-0.18752616	4.55E-05	-0.191041934	3.24E-05
HSPB6	turquoise	-0.339125277	4.95E-14	-0.32902787	2.98E-13
HSPB7	turquoise	-0.213681591	3.17E-06	-0.200084698	1.32E-05
HSPB8	turquoise	-0.159065537	0.000560141	-0.144557793	0.001736113
HTR1B	turquoise	-0.126697734	0.006112584	-0.090116909	0.051632498
HTR2A	turquoise	-0.128017385	0.005597498	-0.127917195	0.005635189
HTR2B	turquoise	-0.1738868	0.000159071	-0.160322726	0.000505471
HTRA1	turquoise	0.028263851	0.54234428	0.025432197	0.583547569
HTRA3	turquoise	-0.115081561	0.012826821	-0.057817165	0.212348187
IDH2	turquoise	0.306435181	1.31E-11	0.336073069	8.57E-14
IGDCC4	turquoise	-0.27460454	1.59E-09	-0.270750236	2.74E-09
IGF2	turquoise	-0.327315149	4.01E-13	-0.311417355	5.83E-12
IGFBP5	turquoise	-0.099209618	0.032074351	-0.084184703	0.069125455
IGFBP6	turquoise	-0.367833827	2.08E-16	-0.354930186	2.61E-15
IGFN1	turquoise	-0.1401458	0.002401742	-0.135250476	0.003406881
IGIP	turquoise	-0.064601585	0.163388006	-0.060059779	0.195115302
IGSF8	turquoise	0.160537062	0.00049666	0.145146941	0.001661347
IGSF9	turquoise	0.047599989	0.304670255	0.015359884	0.740599255
IGSF9B	turquoise	-0.26740052	4.35E-09	-0.283526543	4.40E-10
IKBKE	turquoise	0.141873354	0.002117397	0.153713573	0.000860066
IL11RA	turquoise	-0.282176445	5.36E-10	-0.287387681	2.49E-10
IL17D	turquoise	-0.260364694	1.13E-08	-0.271337192	2.52E-09
INMT	turquoise	-0.109283733	0.018157441	-0.092657315	0.045361973
INMT-FA	turquoise	-0.097017854	0.036090955	-0.095597979	0.03891496
INPP5A	turquoise	-0.188850874	4.01E-05	-0.21284377	3.47E-06
IQSEC1	turquoise	-0.07658078	0.098347645	-0.088659636	0.055545064
IQSEC3	turquoise	-0.429676378	2.10E-22	-0.430539586	1.69E-22
IRS1	turquoise	-0.177799706	0.000112091	-0.193728431	2.49E-05
IRS2	turquoise	-0.369838948	1.39E-16	-0.393655171	9.25E-19
IRS4	turquoise	-0.140961577	0.00226339	-0.144933054	0.001688142
ISCU	turquoise	-0.197091018	1.79E-05	-0.173779831	0.000160584
ITGA11	turquoise	-0.02295212	0.620786887	0.007349984	0.874132974

ITGA7	turquoise	-0.340022191	4.20E-14	-0.34479667	1.75E-14
ITGA8	turquoise	-0.166248675	0.000308358	-0.172448419	0.000180577
ITGA9	turquoise	-0.057786341	0.212592449	-0.06303781	0.173842379
ITGB1BP	turquoise	-0.156040765	0.000714947	-0.155703207	0.000734487
ITGBL1	turquoise	0.041853532	0.366826352	0.059488145	0.19940761
ITM2A	turquoise	-0.2396046	1.60E-07	-0.221967615	1.27E-06
ITPKB	turquoise	0.134967708	0.003475212	0.10369422	0.025033232
ITPR1	turquoise	-0.060340502	0.193032299	-0.077824525	0.092987757
ITPRIP	turquoise	-0.01972447	0.670728477	-0.034102407	0.462218859
JADE2	turquoise	-0.164651103	0.000352888	-0.169071476	0.000242238
JAM2	turquoise	-0.138040963	0.002795081	-0.141637003	0.002154392
JAM3	turquoise	-0.232240737	3.88E-07	-0.218793474	1.81E-06
JAZF1	turquoise	-0.144836155	0.001700411	-0.135987054	0.003234571
JPH2	turquoise	-0.25781167	1.58E-08	-0.253445733	2.80E-08
JPH4	turquoise	-0.250876298	3.91E-08	-0.252002237	3.38E-08
KANK2	turquoise	-0.155770424	0.000730557	-0.15627832	0.000701486
KATNAL1	turquoise	-0.187837912	4.41E-05	-0.200211762	1.31E-05
KBTD1	turquoise	-0.187586317	4.52E-05	-0.187701746	4.47E-05
KCNA1	turquoise	-0.200577788	1.26E-05	-0.197207304	1.77E-05
KCNA4	turquoise	-0.137141474	0.002980389	-0.14912174	0.001229268
KCNA5	turquoise	-0.218164556	1.94E-06	-0.214721749	2.83E-06
KCNAB1	turquoise	-0.186020049	5.24E-05	-0.17655895	0.000125351
KCNAB3	turquoise	-0.164537925	0.00035626	-0.167023133	0.000288711
KCNB1	turquoise	-0.179805633	9.34E-05	-0.202065009	1.08E-05
KCND2	turquoise	-0.252283001	3.26E-08	-0.253393003	2.82E-08
KCND3	turquoise	-0.043031075	0.353486885	-0.042581734	0.358540627
KCNE4	turquoise	-0.086535875	0.06168533	-0.074925875	0.105857506
KCNH2	turquoise	-0.406114811	5.69E-20	-0.408732199	3.12E-20
KCNJ8	turquoise	-0.187897141	4.39E-05	-0.173663548	0.000162244
KCNK3	turquoise	-0.218608819	1.85E-06	-0.204883692	8.08E-06
KCNMA1	turquoise	-0.079923973	0.084472739	-0.077933744	0.092528465
KCNMB1	turquoise	-0.146759905	0.001471505	-0.123474809	0.007553744
KCNN2	turquoise	0.120090881	0.009386741	0.08890513	0.054869209
KCTD10	turquoise	-0.137506561	0.002903869	-0.149087609	0.00123249
KCTD12	turquoise	-0.354097778	3.05E-15	-0.355441276	2.36E-15
KCTD15	turquoise	-0.200115249	1.32E-05	-0.233005785	3.54E-07
KCTD17	turquoise	-0.27311981	1.96E-09	-0.275145383	1.47E-09
KCTD7	turquoise	-0.195106597	2.18E-05	-0.206453773	6.86E-06
KCTD8	turquoise	-0.222685818	1.17E-06	-0.224316345	9.73E-07
KIAA121	turquoise	-0.254283142	2.51E-08	-0.243688878	9.68E-08
KIAA146	turquoise	-0.180902129	8.45E-05	-0.172826865	0.000174668
KIAA161	turquoise	0.010850643	0.815091458	0.001980417	0.965954613
KIAA164	turquoise	-0.156442883	0.000692299	-0.160905814	0.000481836
KIAA175	turquoise	-0.14939175	0.001204049	-0.118547177	0.010347126
KIF26A	turquoise	-0.190566511	3.40E-05	-0.197766217	1.67E-05

KIT	turquoise	-0.107684471	0.019932475	-0.128600761	0.005382504
KLF17	turquoise	-0.157806643	0.000620345	-0.154543097	0.000805474
KLF2	turquoise	-0.093507998	0.043410719	-0.059659877	0.198110939
KLF4	turquoise	0.050580467	0.275351154	0.038236138	0.409725384
KLF7	turquoise	-0.200999249	1.20E-05	-0.211067314	4.21E-06
KLF9	turquoise	-0.162326262	0.000428491	-0.162379121	0.000426616
KLHDC1	turquoise	-0.193833754	2.47E-05	-0.20922991	5.12E-06
KLHL13	turquoise	-0.109472762	0.01795704	-0.104674728	0.023685329
KLHL21	turquoise	-0.088680249	0.05548805	-0.088016473	0.057348568
KLHL33	turquoise	-0.177852147	0.000111561	-0.181359917	8.10E-05
KLHL38	turquoise	-0.19319239	2.63E-05	-0.190435393	3.44E-05
KLHL4	turquoise	-0.211416985	4.05E-06	-0.220915346	1.43E-06
KRT222	turquoise	-0.085295087	0.065524901	-0.069675726	0.132710773
KRT7	turquoise	-0.158178703	0.000601955	-0.142613816	0.002005226
KSR1	turquoise	-0.269862579	3.10E-09	-0.282084889	5.43E-10
KY	turquoise	-0.179423101	9.67E-05	-0.181015086	8.36E-05
LAMA2	turquoise	-0.301194438	3.00E-11	-0.292962961	1.07E-10
LAMA4	turquoise	-0.09029646	0.051166737	-0.095313804	0.039502081
LAMTOR	turquoise	0.053417268	0.249285748	0.06551584	0.157498778
LATS2	turquoise	-0.227816166	6.51E-07	-0.230265823	4.89E-07
LAYN	turquoise	-0.384066789	7.31E-18	-0.363793664	4.64E-16
LBH	turquoise	-0.209677791	4.88E-06	-0.181918743	7.69E-05
LCN10	turquoise	-0.204237123	8.64E-06	-0.219543879	1.67E-06
LCN6	turquoise	-0.175952173	0.000132359	-0.188532686	4.13E-05
LDB2	turquoise	-0.160951107	0.000480044	-0.157467896	0.00063754
LDB3	turquoise	-0.050220804	0.278783671	-0.058532922	0.206732978
LDLRAD	turquoise	-0.183131222	6.87E-05	-0.182971739	6.98E-05
LDLRAD	turquoise	-0.041025642	0.376389619	-0.047051472	0.310283204
LEFTY2	turquoise	-0.065077819	0.160299994	-0.064140393	0.166420882
LEPR	turquoise	-0.274271766	1.67E-09	-0.27774571	1.02E-09
LGI2	turquoise	-0.3103685	6.92E-12	-0.333070428	1.46E-13
LGI3	turquoise	-0.182957284	6.99E-05	-0.184848726	5.85E-05
LGI4	turquoise	-0.210210629	4.61E-06	-0.203049367	9.76E-06
LHFP	turquoise	-0.162260823	0.000430822	-0.147925361	0.001346966
LIFR	turquoise	-0.2725701	2.12E-09	-0.294375797	8.65E-11
LIMS2	turquoise	-0.231584645	4.19E-07	-0.211830679	3.88E-06
LIN7A	turquoise	-0.012233328	0.792037428	-0.024199149	0.601932886
LINGO2	turquoise	-0.240573273	1.42E-07	-0.254195274	2.54E-08
LIX1L	turquoise	0.00032493	0.994412476	-0.007095474	0.878457046
LMCD1	turquoise	-0.298577661	4.52E-11	-0.273244931	1.93E-09
LMOD1	turquoise	-0.177158278	0.000118772	-0.15555439	0.000743258
LNP1	turquoise	-0.401881848	1.49E-19	-0.404201911	8.80E-20
LONRF2	turquoise	-0.220671967	1.47E-06	-0.220656651	1.47E-06
LOXL4	turquoise	-0.247065339	6.34E-08	-0.2332859	3.43E-07
LPAR1	turquoise	0.142078526	0.002085755	0.142898076	0.001963628

LPAR2	turquoise	0.141193548	0.0022254	0.169828392	0.00022691
LPAR4	turquoise	-0.194708068	2.27E-05	-0.195442814	2.11E-05
LPAR6	turquoise	-0.02240018	0.629212699	-0.040390286	0.383831866
LPP	turquoise	-0.10702944	0.020701988	-0.100190486	0.0304044
LRCH2	turquoise	-0.4168534	4.68E-21	-0.418299286	3.32E-21
LRFN5	turquoise	-0.260591933	1.09E-08	-0.273363272	1.90E-09
LRP1	turquoise	-0.197327125	1.75E-05	-0.192310692	2.87E-05
LRRC2	turquoise	0.015811106	0.733264308	-0.017745771	0.702096654
LRRC32	turquoise	-0.194555353	2.30E-05	-0.165109534	0.000339532
LRRC4B	turquoise	-0.240145616	1.50E-07	-0.227505201	6.75E-07
LRRC70	turquoise	-0.171252056	0.000200509	-0.180539946	8.73E-05
LRRC8C	turquoise	-0.150240494	0.001127846	-0.139820396	0.00245905
LRRK2	turquoise	-0.259095635	1.34E-08	-0.258916829	1.37E-08
LRRN4C1	turquoise	-0.232332841	3.84E-07	-0.224324286	9.72E-07
LSAMP	turquoise	-0.254201328	2.54E-08	-0.265946632	5.31E-09
LSMEM2	turquoise	-0.121785756	0.008424331	-0.121154803	0.008771818
LTBP2	turquoise	-0.18216977	7.52E-05	-0.168775813	0.000248484
LTBP4	turquoise	-0.220081776	1.57E-06	-0.211679964	3.94E-06
LTC4S	turquoise	-0.1385795	0.002689217	-0.140890418	0.002275162
LURAP1	turquoise	-0.20987874	4.78E-06	-0.203481099	9.34E-06
LYPLA2	turquoise	0.05209924	0.261174268	0.090650127	0.050259568
LYPLAL1	turquoise	-0.219361788	1.70E-06	-0.195942541	2.00E-05
LYSMD4	turquoise	-0.133740355	0.003786445	-0.165854992	0.000318816
LYVE1	turquoise	-0.207576599	6.09E-06	-0.20207057	1.08E-05
MAF	turquoise	-0.147499499	0.001391304	-0.147796607	0.001360232
MAGEE1	turquoise	-0.315393261	3.03E-12	-0.328208117	3.43E-13
MAGEE2	turquoise	-0.236799408	2.25E-07	-0.234130743	3.10E-07
MAGEH1	turquoise	-0.531453229	2.12E-35	-0.508242035	4.85E-32
MAGEL2	turquoise	-0.292617292	1.13E-10	-0.300507368	3.35E-11
MAGI2	turquoise	-0.400119074	2.21E-19	-0.388528026	2.82E-18
MAMDC1	turquoise	-0.267622874	4.22E-09	-0.273174546	1.95E-09
MAMLD1	turquoise	-0.259193287	1.32E-08	-0.266364892	5.01E-09
MAN1A1	turquoise	-0.152840646	0.000921193	-0.155017841	0.00077569
MAN1C1	turquoise	-0.028698733	0.536146801	-0.056356293	0.224147934
MANF	turquoise	0.142573711	0.00201116	0.141003271	0.002256518
MAOB	turquoise	-0.112525342	0.014978118	-0.103418097	0.025424564
MAP10	turquoise	-0.355337497	2.41E-15	-0.346991743	1.17E-14
MAP1B	turquoise	0.022734311	0.624106078	0.021985561	0.635574076
MAP2K3	turquoise	0.300795235	3.20E-11	0.334996217	1.04E-13
MAP3K1	turquoise	-0.302986692	2.26E-11	-0.322885078	8.59E-13
MAP3K3	turquoise	-0.247199106	6.24E-08	-0.263367174	7.54E-09
MAP3K7	turquoise	-0.158669019	0.000578492	-0.132991364	0.003988568
MAP7D3	turquoise	-0.37700895	3.21E-17	-0.395225704	6.55E-19
MAPK10	turquoise	-0.286365058	2.89E-10	-0.290113692	1.65E-10
MAPK3	turquoise	-0.222451137	1.20E-06	-0.182898397	7.02E-05

MAPKAPturquoise	0.06645879	0.151594141	0.081101913	0.079977737
MAPKBPturquoise	0.084844414	0.066967233	0.061956659	0.181356217
MAPRE2 turquoise	0.058929349	0.203669581	0.042682315	0.357405483
MARCKSturquoise	0.253490386	2.79E-08	0.248043732	5.60E-08
MARVELturquoise	-0.190781274	3.33E-05	-0.18574024	5.38E-05
MAS1 turquoise	-0.174545685	0.000150044	-0.178454263	0.000105639
MAS1L turquoise	-0.154376923	0.000816146	-0.146810405	0.001465897
MASP1 turquoise	-0.174208127	0.000154607	-0.170573007	0.000212721
MAST4 turquoise	0.121215304	0.008737954	0.116278724	0.011916568
MATN2 turquoise	-0.202201779	1.07E-05	-0.193474302	2.56E-05
MBOAT7turquoise	0.188601159	4.10E-05	0.183948235	6.37E-05
MCHR1 turquoise	-0.10183929	0.027764934	-0.09014848	0.051550346
MDFIC turquoise	-0.158379053	0.000592263	-0.14014921	0.002401148
MDGA1 turquoise	-0.331447703	1.95E-13	-0.309051177	8.57E-12
MECP2 turquoise	-0.293185151	1.04E-10	-0.299605628	3.85E-11
MEDAG turquoise	-0.182281233	7.44E-05	-0.163719767	0.000381544
MEF2C turquoise	-0.223460017	1.07E-06	-0.210148469	4.64E-06
MEF2D turquoise	-0.041918549	0.366081769	-0.05144208	0.267245512
MEIS2 turquoise	-0.068653748	0.138502068	-0.06314429	0.173115086
MEIS3 turquoise	-0.185113141	5.71E-05	-0.168104446	0.00026323
MEOX1 turquoise	-0.255208056	2.23E-08	-0.254906551	2.32E-08
MEOX2 turquoise	-0.188156279	4.28E-05	-0.175748451	0.000134793
METTL7,turquoise	0.010254636	0.825079599	0.000319429	0.994507063
MEX3B turquoise	0.043360435	0.349811228	0.029290004	0.527778033
MFAP4 turquoise	-0.30780274	1.05E-11	-0.281465765	5.95E-10
MFAP5 turquoise	-0.213095909	3.38E-06	-0.213230456	3.33E-06
MGARP turquoise	-0.143827881	0.001833016	-0.14731698	0.001410714
MGAT4Bturquoise	0.044300363	0.339455165	0.051334455	0.268248962
MGP turquoise	-0.083173093	0.072545235	-0.04456227	0.33660476
MICAL2 turquoise	-0.013970934	0.763322974	0.009910817	0.830854458
MICU3 turquoise	-0.189433346	3.79E-05	-0.207484824	6.15E-06
MITF turquoise	-0.083677235	0.070824095	-0.098346698	0.03360768
MME turquoise	-0.181354463	8.10E-05	-0.172689125	0.000176797
MMP15 turquoise	0.193027765	2.67E-05	0.226642021	7.45E-07
MMP16 turquoise	-0.140786174	0.002292508	-0.136505668	0.003118041
MMP19 turquoise	-0.248616166	5.21E-08	-0.231847126	4.06E-07
MMP24 turquoise	-0.23139509	4.28E-07	-0.236980135	2.20E-07
MMP28 turquoise	-0.192452883	2.83E-05	-0.169392443	0.000235623
MN1 turquoise	-0.182288914	7.43E-05	-0.188328715	4.21E-05
MOB3C turquoise	-0.38900698	2.54E-18	-0.370760212	1.15E-16
MOGS turquoise	0.14695854	0.001449558	0.153799105	0.000854283
MOV10 turquoise	-0.024294558	0.600501034	-0.000705749	0.987864251
MPRIP turquoise	-0.08992548	0.052132961	-0.100214616	0.030364274
MRAS turquoise	-0.32453087	6.48E-13	-0.329178289	2.90E-13
MRC2 turquoise	-0.197393372	1.73E-05	-0.177191117	0.000118421

MREG	turquoise	0.157202783	0.000651304	0.14667982	0.001480439
MRGPRED	turquoise	-0.154608868	0.000801285	-0.153099047	0.000902693
MRGPREF	turquoise	-0.268665013	3.65E-09	-0.248800158	5.09E-08
MRV11	turquoise	-0.171731104	0.000192292	-0.152344353	0.000957711
MS4A2	turquoise	-0.181417342	8.06E-05	-0.165165872	0.000337924
MSC	turquoise	-0.018614003	0.688266434	0.024093043	0.603527068
MSRB3	turquoise	-0.141899232	0.002113382	-0.141424094	0.002188221
MSTO1	turquoise	0.145574393	0.001608962	0.129238005	0.005156176
MT1F	turquoise	0.099652934	0.031310132	0.110379741	0.017022131
MTFP1	turquoise	0.180691762	8.61E-05	0.190869941	3.30E-05
MTL5	turquoise	-0.114579031	0.01322684	-0.157936714	0.000613857
MTMR11	turquoise	-0.101097284	0.028927346	-0.121538991	0.008558745
MTUS2	turquoise	-0.170349655	0.000216887	-0.179713276	9.42E-05
MTX1	turquoise	0.199691399	1.38E-05	0.187970871	4.36E-05
MUM1	turquoise	0.107329755	0.020346039	0.095955226	0.03818737
MUM1L1	turquoise	-0.263465575	7.44E-09	-0.257625701	1.62E-08
MUSTN1	turquoise	-0.067814852	0.143399324	-0.077311435	0.095169884
MVB12B	turquoise	-0.143330029	0.001901926	-0.163534721	0.00038749
MXRA7	turquoise	-0.143222698	0.00191709	-0.155594267	0.000740898
MYADM	turquoise	-0.106466135	0.02138426	-0.086270216	0.062491394
MYH11	turquoise	-0.113248719	0.014339315	-0.09241556	0.045929761
MYL3	turquoise	-0.15925001	0.000551789	-0.164719015	0.000350879
MYL9	turquoise	-0.219871219	1.61E-06	-0.195181169	2.16E-05
MYLK	turquoise	-0.199601568	1.39E-05	-0.188763275	4.04E-05
MYO10	turquoise	0.126185242	0.006323827	0.115421936	0.012561979
MYOCD	turquoise	-0.186120245	5.19E-05	-0.187987021	4.35E-05
MYOM1	turquoise	-0.296875873	5.89E-11	-0.298637092	4.48E-11
MYOM2	turquoise	-0.006443164	0.889555843	0.003762264	0.935373865
MYOZ2	turquoise	-0.142269621	0.002056674	-0.145624053	0.001602975
MYOZ3	turquoise	-0.294695285	8.24E-11	-0.293607765	9.73E-11
MYZAP	turquoise	-0.127059875	0.005967157	-0.135926996	0.003248319
N4BP2L1	turquoise	-0.344749674	1.77E-14	-0.348842965	8.26E-15
NAALAD	turquoise	-0.311959624	5.34E-12	-0.3182068	1.90E-12
NAALAD	turquoise	-0.318948897	1.67E-12	-0.306643888	1.26E-11
NACAD	turquoise	-0.29945238	3.95E-11	-0.301880801	2.70E-11
NACC1	turquoise	0.030509986	0.510722871	0.038091838	0.41149614
NACC2	turquoise	-0.031126796	0.502210556	-0.006634969	0.886290014
NAP1L2	turquoise	-0.264495527	6.47E-09	-0.270775067	2.73E-09
NAP1L3	turquoise	-0.304376853	1.82E-11	-0.309122318	8.47E-12
NAP1L5	turquoise	-0.076492631	0.098736666	-0.09358177	0.043244886
NAT2	turquoise	-0.149804498	0.001166418	-0.151017306	0.001062022
NAV3	turquoise	-0.200927929	1.21E-05	-0.222271253	1.23E-06
NBEA	turquoise	-0.187141592	4.71E-05	-0.194536263	2.30E-05
NBEAL2	turquoise	0.25229667	3.25E-08	0.255602067	2.12E-08
NBL1	turquoise	-0.251306886	3.70E-08	-0.216201285	2.41E-06



NCAM1	turquoise	-0.185939659	5.28E-05	-0.208221245	5.69E-06
NCS1	turquoise	-0.239935961	1.54E-07	-0.230010292	5.04E-07
NDN	turquoise	-0.238360494	1.86E-07	-0.20807753	5.78E-06
NDNF	turquoise	-0.216333815	2.38E-06	-0.213949395	3.08E-06
NDP	turquoise	-0.035781494	0.440458377	-0.023325073	0.615121323
NDRG4	turquoise	-0.298688456	4.45E-11	-0.293929094	9.26E-11
NECAB1	turquoise	-0.356767238	1.83E-15	-0.362813227	5.63E-16
NECAB3	turquoise	-0.103615213	0.02514467	-0.103001716	0.02602465
NEDD4	turquoise	-0.059485737	0.199425833	-0.072110944	0.119665084
NEFM	turquoise	-0.177274672	0.000117533	-0.192045029	2.94E-05
NEGR1	turquoise	-0.144883942	0.00169435	-0.149157845	0.001225868
NEK6	turquoise	0.359363923	1.11E-15	0.373142114	7.10E-17
NES	turquoise	-0.217946668	1.99E-06	-0.218887103	1.79E-06
NEU1	turquoise	0.131183726	0.004517188	0.13534579	0.003384124
NEURL1	turquoise	-0.266366799	5.01E-09	-0.276688738	1.18E-09
NEURL1	turquoise	-0.100705897	0.029557135	-0.101100078	0.028922892
NEXN	turquoise	-0.223601697	1.06E-06	-0.218493204	1.87E-06
NFASC	turquoise	-0.136905631	0.003030791	-0.133411998	0.003873885
NFATC2	turquoise	-0.223056889	1.12E-06	-0.203136173	9.68E-06
NFATC4	turquoise	-0.191410118	3.13E-05	-0.213100126	3.38E-06
NGF	turquoise	-0.20296785	9.85E-06	-0.199312836	1.43E-05
NGFR	turquoise	-0.1669189	0.000291286	-0.162050609	0.000438392
NIPAL2	turquoise	-0.162341037	0.000427966	-0.158082604	0.000606656
NKAPL	turquoise	-0.220547105	1.49E-06	-0.227567525	6.70E-07
NLGN1	turquoise	-0.344078287	2.00E-14	-0.339377693	4.73E-14
NLGN2	turquoise	-0.151133758	0.001052466	-0.189637223	3.71E-05
NLGN3	turquoise	-0.195095448	2.18E-05	-0.191400337	3.13E-05
NLRP1	turquoise	-0.371249208	1.04E-16	-0.35050736	6.04E-15
NMT2	turquoise	-0.391879874	1.36E-18	-0.406098716	5.71E-20
NMUR1	turquoise	-0.221563675	1.33E-06	-0.20496105	8.01E-06
NNAT	turquoise	-0.266796145	4.73E-09	-0.245869774	7.37E-08
NOSTRIN	turquoise	-0.101410549	0.028431594	-0.08005934	0.083946038
NOVA1	turquoise	-0.384101653	7.26E-18	-0.386579345	4.28E-18
NPAS4	turquoise	-0.161785845	0.000448103	-0.163295683	0.000395298
NPR1	turquoise	-0.424750318	7.02E-22	-0.417779194	3.76E-21
NPR2	turquoise	-0.288350462	2.15E-10	-0.297478507	5.37E-11
NPR3	turquoise	-0.06677027	0.149681083	-0.060702675	0.190369046
NPY1R	turquoise	-0.206280709	6.98E-06	-0.201710471	1.12E-05
NPY5R	turquoise	-0.15096538	0.001066309	-0.148685068	0.001271084
NR2F1	turquoise	-0.180005891	9.17E-05	-0.170643586	0.00021142
NR2F2	turquoise	-0.123375018	0.007602852	-0.106733307	0.021058267
NR2F6	turquoise	-0.115394521	0.01258313	-0.094592476	0.041026126
NR3C1	turquoise	-0.436480718	3.83E-23	-0.416295532	5.34E-21
NR3C2	turquoise	-0.147941107	0.001345352	-0.141004839	0.00225626
NR4A1	turquoise	0.019573372	0.673104597	-0.019684603	0.671355085

NR4A2	turquoise	0.141559402	0.002166666	0.135317875	0.003390775
NR4A3	turquoise	-0.063427916	0.171188896	-0.09062335	0.050327779
NRIP2	turquoise	-0.142248719	0.002059836	-0.132109166	0.00423913
NRP2	turquoise	-0.010111652	0.827480054	-0.020368841	0.660632354
NRXN2	turquoise	-0.332035137	1.76E-13	-0.314336733	3.61E-12
NT5DC3	turquoise	-0.056129378	0.2260219	-0.084904344	0.066773945
NT5E	turquoise	0.25886608	1.38E-08	0.25316095	2.91E-08
NTAN1	turquoise	-0.003616087	0.937879657	0.001041746	0.982087407
NTRK3	turquoise	-0.26221048	8.81E-09	-0.255242338	2.22E-08
NUAK1	turquoise	-0.288351474	2.15E-10	-0.281087681	6.28E-10
NUAK2	turquoise	-0.113443068	0.014171823	-0.122321932	0.008138743
NUDT10	turquoise	-0.352352588	4.26E-15	-0.343345887	2.29E-14
NUDT11	turquoise	-0.340048619	4.18E-14	-0.349943412	6.72E-15
NUDT7	turquoise	0.031688575	0.494523276	0.023163249	0.617576827
NUMBL	turquoise	-0.180587243	8.70E-05	-0.195157035	2.17E-05
NXPE3	turquoise	-0.336646098	7.73E-14	-0.339541524	4.59E-14
NXPH3	turquoise	-0.208171895	5.72E-06	-0.205344357	7.70E-06
NYAP1	turquoise	-0.399459331	2.56E-19	-0.413042692	1.15E-20
OAF	turquoise	-0.286879736	2.68E-10	-0.312298189	5.05E-12
OCIAD2	turquoise	0.274601053	1.59E-09	0.304002746	1.93E-11
OGN	turquoise	-0.229205039	5.54E-07	-0.230702536	4.65E-07
OLFM1	turquoise	-0.202573793	1.03E-05	-0.204594783	8.32E-06
OLFML1	turquoise	-0.255953351	2.02E-08	-0.230948095	4.52E-07
OLFML2	turquoise	-0.129228355	0.005159539	-0.124957058	0.006856958
OLFML3	turquoise	-0.113318359	0.014279099	-0.105727377	0.022308566
OMD	turquoise	-0.209179796	5.14E-06	-0.209192545	5.14E-06
OPCML	turquoise	-0.097628	0.034932027	-0.106031315	0.02192418
OPN1SW	turquoise	-0.150782	0.001081577	-0.159502371	0.000540551
OR5K2	turquoise	-0.152538791	0.000943248	-0.172495705	0.000179828
ORMDL2	turquoise	0.17135813	0.000198662	0.193007318	2.68E-05
OSBPL1A	turquoise	-0.224161248	9.90E-07	-0.254476069	2.45E-08
OSBPL5	turquoise	-0.040871819	0.378183237	-0.039650348	0.392611407
OSR1	turquoise	0.034817351	0.452881085	0.007729013	0.867700339
OSR2	turquoise	-0.294165229	8.94E-11	-0.283112529	4.68E-10
OTC	turquoise	-0.201364696	1.16E-05	-0.204741214	8.20E-06
OTOP2	turquoise	-0.09223256	0.046363513	-0.090365336	0.050989005
OTUD7A	turquoise	-0.22786116	6.47E-07	-0.259170754	1.32E-08
OVOL1	turquoise	-0.000931086	0.983989912	-0.01464024	0.752346156
OXER1	turquoise	-0.320238324	1.35E-12	-0.316512671	2.52E-12
OXSM	turquoise	0.296029944	6.71E-11	0.302155524	2.58E-11
P2RY1	turquoise	-0.109584453	0.017839539	-0.121545144	0.00855537
P2RY14	turquoise	-0.100826712	0.029361488	-0.085230451	0.065730181
P3H2	turquoise	-0.296896128	5.87E-11	-0.308464179	9.43E-12
P3H3	turquoise	-0.179811874	9.34E-05	-0.173219534	0.00016873
PABPC5	turquoise	-0.252190498	3.30E-08	-0.254908231	2.32E-08

PACSIN1 turquoise	0.181233171	8.19E-05	0.160960263	0.000479682
PAGE4 turquoise	-0.235585204	2.60E-07	-0.235279011	2.70E-07
PAK3 turquoise	-0.257509795	1.65E-08	-0.259667341	1.24E-08
PALLD turquoise	0.111091381	0.016318662	0.108756735	0.018726484
PALM turquoise	-0.342188656	2.83E-14	-0.318552194	1.79E-12
PALM2-Aturquoise	-0.157272078	0.00064768	-0.164519943	0.000356799
PAPLN turquoise	-0.424357793	7.73E-22	-0.427816536	3.32E-22
PAPPA turquoise	-0.177431593	0.000115881	-0.173703995	0.000161664
PAQR4 turquoise	0.402554693	1.28E-19	0.410409052	2.12E-20
PARK2 turquoise	-0.083555553	0.071236432	-0.125227495	0.006736227
PARM1 turquoise	-0.043706692	0.345973166	-0.066021264	0.154312638
PARVA turquoise	-0.028716848	0.535889426	-0.024762589	0.593499409
PAX8 turquoise	-0.029964383	0.518314671	-0.031652369	0.495016824
PBX3 turquoise	-0.266365335	5.01E-09	-0.261696566	9.44E-09
PCBD1 turquoise	0.192698041	2.76E-05	0.191540467	3.09E-05
PCBP3 turquoise	-0.311234968	6.01E-12	-0.307463568	1.11E-11
PCDH18 turquoise	-0.101589152	0.028152228	-0.086750038	0.061041779
PCDH20 turquoise	-0.049656596	0.284226539	-0.074958503	0.105705185
PCDHB1(turquoise	-0.129387999	0.005104165	-0.139052335	0.002599294
PCDHB11turquoise	-0.00245453	0.957810972	-0.021255147	0.646845839
PCDHB12turquoise	-0.162361774	0.00042723	-0.173792017	0.000160411
PCDHB14turquoise	-0.003553391	0.938954586	-0.013376991	0.773103796
PCDHB14'turquoise	-0.30930796	8.22E-12	-0.307178055	1.16E-11
PCDHB4 turquoise	-0.235132997	2.75E-07	-0.235982823	2.48E-07
PCDHB5 turquoise	-0.289343322	1.86E-10	-0.289976872	1.69E-10
PCDHB7 turquoise	-0.192674685	2.77E-05	-0.188838263	4.01E-05
PCDHB9 turquoise	-0.009291696	0.841276109	-0.004280971	0.926487448
PCDHGA turquoise	-0.172604988	0.00017811	-0.163194991	0.000398631
PCDHGA turquoise	-0.241908813	1.21E-07	-0.246293082	6.99E-08
PCDHGA turquoise	-0.2424853	1.12E-07	-0.242792199	1.08E-07
PCDHGA turquoise	-0.210529746	4.46E-06	-0.203049473	9.76E-06
PCDHGA turquoise	-0.236403248	2.36E-07	-0.233732805	3.25E-07
PCDHGA turquoise	-0.193641167	2.52E-05	-0.200988837	1.21E-05
PCDHGA turquoise	-0.121631789	0.008507975	-0.161367407	0.000463859
PCDHGB turquoise	-0.132537603	0.004115721	-0.117270818	0.011205992
PCDHGB turquoise	-0.080333923	0.082885805	-0.077073761	0.096194452
PDCD6 turquoise	-0.029877771	0.519525153	-0.004940671	0.915198899
PDE10A turquoise	-0.068593752	0.138847986	-0.075127942	0.104916937
PDE1A turquoise	-0.198094395	1.62E-05	-0.208061366	5.79E-06
PDE1B turquoise	-0.226260437	7.79E-07	-0.215750035	2.53E-06
PDE1C turquoise	-0.194114462	2.40E-05	-0.19919068	1.45E-05
PDE2A turquoise	-0.228226758	6.20E-07	-0.236071554	2.46E-07
PDE5A turquoise	-0.152858923	0.000919873	-0.135217507	0.003414784
PDE7B turquoise	-0.259317262	1.30E-08	-0.260156451	1.16E-08
PDE8B turquoise	-0.162186929	0.000433469	-0.164163794	0.000367622

PDGFD	turquoise	-0.085392498	0.065216528	-0.091076479	0.049183858
PDGFRA	turquoise	-0.107913206	0.01966969	-0.103154875	0.025802514
PDGFRL	turquoise	-0.103633658	0.025118615	-0.107520067	0.020123236
PDIA4	turquoise	0.159481556	0.00054147	0.159937827	0.000521658
PDK4	turquoise	-0.111159568	0.016252614	-0.098322723	0.033651158
PDLIM2	turquoise	-0.047124132	0.309535787	-0.037268199	0.421689624
PDLIM3	turquoise	-0.175384758	0.000139244	-0.15616546	0.000707852
PDLIM7	turquoise	-0.249607812	4.59E-08	-0.231086131	4.44E-07
PDPN	turquoise	-0.289833017	1.72E-10	-0.281584698	5.84E-10
PDZD4	turquoise	-0.244722686	8.51E-08	-0.244138684	9.15E-08
PDZRN3	turquoise	-0.033576245	0.469158834	-0.039981534	0.3886669
PDZRN4	turquoise	-0.206328004	6.95E-06	-0.193982486	2.43E-05
PEAR1	turquoise	-0.147309766	0.001411486	-0.144836074	0.001700421
PEG10	turquoise	-0.068753926	0.137925947	-0.069290158	0.134873334
PEG3	turquoise	-0.299258746	4.07E-11	-0.305055073	1.63E-11
PELI3	turquoise	-0.084301666	0.068738714	-0.102042255	0.027454054
PENK	turquoise	-0.189769017	3.67E-05	-0.195572637	2.08E-05
PER1	turquoise	-0.162988516	0.000405547	-0.177153011	0.000118828
PER3	turquoise	-0.335953625	8.76E-14	-0.347968814	9.73E-15
PFKFB4	turquoise	0.254763028	2.36E-08	0.23920775	1.68E-07
PGAP2	turquoise	0.338797959	5.25E-14	0.329452415	2.76E-13
PGD	turquoise	0.242318238	1.15E-07	0.237071075	2.18E-07
PGM5	turquoise	-0.144898565	0.001692499	-0.146570253	0.001492744
PHF1	turquoise	-0.209500664	4.97E-06	-0.216746681	2.27E-06
PHF21B	turquoise	-0.171771388	0.000191616	-0.197363409	1.74E-05
PHLDA2	turquoise	0.278153143	9.60E-10	0.30934264	8.18E-12
PHLDB2	turquoise	-0.06214765	0.180011675	-0.093695831	0.042989536
PHYHIP	turquoise	-0.271549112	2.45E-09	-0.263717301	7.19E-09
PI15	turquoise	-0.164048498	0.000371191	-0.172174792	0.000184964
PI16	turquoise	-0.178085043	0.000109235	-0.180746744	8.57E-05
PIANP	turquoise	-0.195897491	2.01E-05	-0.201262431	1.17E-05
PID1	turquoise	-0.245119222	8.10E-08	-0.250853901	3.92E-08
PIEZO2	turquoise	-0.175866794	0.000133374	-0.16040897	0.000501908
PIK3IP1	turquoise	-0.17639014	0.000127265	-0.174363425	0.000152492
PINLYP	turquoise	-0.24811617	5.55E-08	-0.234553654	2.95E-07
PITX1	turquoise	0.138222022	0.002759073	0.163912406	0.000375445
PIWIL2	turquoise	-0.1423888	0.002038725	-0.152240447	0.000965524
pk	turquoise	-0.024141428	0.602799877	-0.055759997	0.229096201
PKD1	turquoise	-0.152956303	0.00091287	-0.149657455	0.001179698
PKD2	turquoise	-0.144544655	0.001737815	-0.174716283	0.000147787
PKIG	turquoise	-0.116857605	0.011497262	-0.099691966	0.031243597
PKM	turquoise	0.20597423	7.21E-06	0.235098849	2.76E-07
PKNOX2	turquoise	-0.235848894	2.52E-07	-0.229948133	5.08E-07
PLA2R1	turquoise	-0.033799678	0.466204807	-0.056985367	0.219010729
PLAC9	turquoise	-0.226850814	7.27E-07	-0.216128517	2.43E-06

PLAT	turquoise	-0.19134141	3.15E-05	-0.164508605	0.000357139
PLCL1	turquoise	-0.26412867	6.80E-09	-0.261424499	9.79E-09
PLEKHG	turquoise	-0.077442207	0.094609877	-0.084970457	0.066561246
PLEKHH	turquoise	-0.181235735	8.19E-05	-0.193350463	2.59E-05
PLIN4	turquoise	-0.106731305	0.021060693	-0.126550682	0.00617254
PLK5	turquoise	-0.17290591	0.000173458	-0.183944498	6.37E-05
PLN	turquoise	-0.152594941	0.000939109	-0.134071329	0.003700122
PLOD1	turquoise	0.225515954	8.48E-07	0.208342353	5.62E-06
PLP1	turquoise	-0.142397466	0.002037425	-0.151456691	0.001026378
PLSCR4	turquoise	-0.311149095	6.09E-12	-0.297450588	5.39E-11
PLXDC1	turquoise	-0.075267552	0.104270958	-0.058825926	0.204465597
PLXDC2	turquoise	-0.207921029	5.88E-06	-0.188162849	4.28E-05
PMP22	turquoise	-0.111647388	0.015786889	-0.095007153	0.040144027
PNKD	turquoise	-0.054035659	0.24383987	-0.05278421	0.254947989
PNMAL2	turquoise	-0.444485892	4.91E-24	-0.447525969	2.22E-24
PODN	turquoise	-0.267994314	4.01E-09	-0.252587736	3.13E-08
PODXL2	turquoise	0.13704637	0.003000621	0.112378482	0.015110817
POLDIP2	turquoise	0.106941452	0.020807296	0.117656103	0.010940314
POMGNT	turquoise	-0.215174429	2.70E-06	-0.210531529	4.45E-06
POPDC2	turquoise	-0.162909647	0.000408218	-0.16096144	0.000479636
POR	turquoise	0.120624326	0.009073788	0.136942758	0.003022806
POSTN	turquoise	-0.105987179	0.021979639	-0.069904293	0.131441482
POU6F1	turquoise	-0.20254443	1.03E-05	-0.217591934	2.07E-06
PPAPDC2	turquoise	-0.250579558	4.06E-08	-0.245046145	8.17E-08
PPFIA4	turquoise	0.14413002	0.001792318	0.121632259	0.008507718
PPM1F	turquoise	-0.170819734	0.000208205	-0.178908322	0.000101371
PPM1K	turquoise	-0.234779779	2.87E-07	-0.205645033	7.46E-06
PPP1R12l	turquoise	-0.161402538	0.000462516	-0.157643322	0.00062858
PPP1R12	turquoise	-0.250123695	4.30E-08	-0.264727536	6.27E-09
PPP1R14	turquoise	-0.161436416	0.000461225	-0.167648792	0.0002737
PPP1R18	turquoise	-0.137330383	0.002940569	-0.112348779	0.015137781
PPP1R3C	turquoise	-0.226451487	7.62E-07	-0.225268223	8.73E-07
PRAME	turquoise	0.13544805	0.003359862	0.113623165	0.014018153
PRDM11	turquoise	-0.360821591	8.33E-16	-0.363681539	4.75E-16
PRDM5	turquoise	-0.323059045	8.34E-13	-0.336611376	7.78E-14
PRDM8	turquoise	-0.154001662	0.00084073	-0.152739491	0.00092853
PRELP	turquoise	-0.170687337	0.000210617	-0.151193297	0.001047611
PRICKLE	turquoise	-0.116871627	0.01148727	-0.157784759	0.000621442
PRICKLE	turquoise	-0.190094219	3.55E-05	-0.224943348	9.06E-07
PRIMA1	turquoise	-0.36156818	7.20E-16	-0.364846924	3.77E-16
PRKAR2l	turquoise	-0.299974495	3.64E-11	-0.298883123	4.31E-11
PRKCA	turquoise	-0.016719636	0.718569508	-0.048585449	0.29475589
PRKCD	turquoise	0.057623313	0.213887709	0.074596375	0.107405529
PRKCDB	turquoise	-0.280856378	6.50E-10	-0.244569541	8.67E-08
PRKCZ	turquoise	0.187393849	4.60E-05	0.188342711	4.20E-05

PRKD1	turquoise	-0.301343831	2.93E-11	-0.315004869	3.23E-12
PRKG1	turquoise	-0.18624341	5.13E-05	-0.189805056	3.65E-05
PRLHR	turquoise	-0.128497652	0.005419954	-0.132751038	0.004055462
PRLR	turquoise	-0.010921135	0.813912052	-0.0138705	0.764974284
PRND	turquoise	-0.097023836	0.036079436	-0.091852824	0.047274553
PRNP	turquoise	-0.436006384	4.31E-23	-0.444305867	5.15E-24
PROB1	turquoise	-0.208110053	5.76E-06	-0.192684071	2.76E-05
PROCR	turquoise	-0.222940467	1.14E-06	-0.199947453	1.34E-05
PROS1	turquoise	-0.295804796	6.95E-11	-0.294057671	9.08E-11
PROSER2	turquoise	0.191895404	2.98E-05	0.195641829	2.07E-05
PRPH2	turquoise	-0.161826341	0.000446605	-0.175997734	0.00013182
PRR16	turquoise	0.02566672	0.580080465	0.031655593	0.494972865
PRR36	turquoise	0.265469078	5.67E-09	0.257910359	1.56E-08
PRR7	turquoise	0.100570688	0.029777418	0.101041196	0.029016886
PRRG3	turquoise	-0.343987695	2.04E-14	-0.346950805	1.18E-14
PRRT1	turquoise	-0.072417952	0.118094082	-0.072871159	0.115804483
PRRT2	turquoise	-0.146871769	0.001459108	-0.143647487	0.001857717
PRRX1	turquoise	0.126680801	0.006119462	0.137295709	0.002947842
PRSS23	turquoise	-0.05461196	0.238840145	-0.061364927	0.185569075
PRSS35	turquoise	-0.184459041	6.07E-05	-0.172427795	0.000180904
PRUNE2	turquoise	-0.232765713	3.64E-07	-0.22759963	6.67E-07
PRX	turquoise	-0.222447452	1.20E-06	-0.241080912	1.34E-07
PSD	turquoise	-0.294246478	8.83E-11	-0.28894534	1.97E-10
PTCH1	turquoise	0.049165233	0.289024702	0.028617023	0.537308537
PTCH2	turquoise	0.020531034	0.658100668	0.024544181	0.596762114
PTCHD1	turquoise	-0.112966337	0.014585774	-0.119716893	0.009611833
PTGDR	turquoise	-0.197909393	1.65E-05	-0.162137612	0.000435244
PTGDR2	turquoise	-0.1218044	0.008414253	-0.129995197	0.004898415
PTGDS	turquoise	-0.190969311	3.27E-05	-0.1666824	0.000297206
PTGER2	turquoise	-0.074210613	0.109240528	-0.061105811	0.187436401
PTGER3	turquoise	-0.173756048	0.000160922	-0.17800645	0.000110015
PTGES3L	turquoise	-0.11373882	0.013920243	-0.101395712	0.028454909
PTGFR	turquoise	-0.184536888	6.03E-05	-0.1859397	5.28E-05
PTGIS	turquoise	-0.257545874	1.64E-08	-0.245541734	7.68E-08
PTH1R	turquoise	-0.259267505	1.31E-08	-0.258850729	1.38E-08
PTN	turquoise	-0.146476391	0.001503359	-0.152656202	0.000934612
PTPN21	turquoise	-0.171062513	0.00020385	-0.192329237	2.86E-05
PTPN6	turquoise	0.139422553	0.002530808	0.174901405	0.000145373
PTPRD	turquoise	-0.022846315	0.622398292	-0.012579438	0.786294017
PTPRN2	turquoise	-0.196630247	1.87E-05	-0.188678028	4.07E-05
PTPRO	turquoise	-0.20813595	5.74E-06	-0.197160598	1.78E-05
PTPRR	turquoise	0.005195506	0.910842671	0.012222434	0.792218379
PTRF	turquoise	-0.191089757	3.23E-05	-0.165399405	0.000331332
PURG	turquoise	-0.275746771	1.35E-09	-0.285601355	3.24E-10
PYCR1	turquoise	0.296484622	6.26E-11	0.282974416	4.77E-10

PYGM	turquoise	-0.261621759	9.54E-09	-0.256405782	1.91E-08
RAB11F1	turquoise	-0.040534514	0.382134621	-0.032554036	0.482804311
RAB11F1	turquoise	-0.267969093	4.02E-09	-0.269905125	3.08E-09
RAB17	turquoise	0.111192945	0.01622037	0.128889437	0.005278891
RAB20	turquoise	0.209105675	5.18E-06	0.239220285	1.68E-07
RAB23	turquoise	-0.110938283	0.016467815	-0.127017701	0.005983932
RAB31	turquoise	-0.295845696	6.90E-11	-0.258140869	1.52E-08
RAB3C	turquoise	-0.051829976	0.263650294	-0.058821844	0.204497054
RAB3IL1	turquoise	-0.351723362	4.80E-15	-0.343504432	2.23E-14
RAB41	turquoise	-0.170164503	0.000220399	-0.168854043	0.000246817
RAB6C	turquoise	-0.198048777	1.62E-05	-0.204244038	8.63E-06
RAB9B	turquoise	-0.258605805	1.43E-08	-0.264987322	6.05E-09
RADIL	turquoise	-0.241753739	1.23E-07	-0.257960423	1.55E-08
RAMP1	turquoise	-0.179717385	9.42E-05	-0.158577575	0.000582802
RAPGEF4	turquoise	-0.14498108	0.001682091	-0.165187299	0.000337314
RARRES1	turquoise	-0.313419079	4.20E-12	-0.275166066	1.47E-09
RASA3	turquoise	-0.247861359	5.73E-08	-0.249848863	4.45E-08
RASA4	turquoise	-0.261847168	9.25E-09	-0.259657893	1.24E-08
RASA4B	turquoise	-0.153495408	0.000874981	-0.167340195	0.000281011
RASD2	turquoise	-0.081948451	0.076868582	-0.070063265	0.130564221
RASGRF1	turquoise	-0.054763989	0.237533313	-0.067107191	0.147632496
RASL11A	turquoise	-0.083893694	0.07009542	-0.07648141	0.098786279
RASL12	turquoise	-0.246776769	6.58E-08	-0.22925021	5.51E-07
RASSF2	turquoise	-0.170787327	0.000208793	-0.184879696	5.84E-05
RASSF8	turquoise	-0.274706852	1.57E-09	-0.277709582	1.02E-09
RBFOX2	turquoise	-0.089363656	0.053625168	-0.102508089	0.026751837
RBFOX3	turquoise	-0.246982618	6.41E-08	-0.243056228	1.05E-07
RBM20	turquoise	-0.118933515	0.010098932	-0.113602612	0.014035616
RBM24	turquoise	-0.046480227	0.316200608	-0.055720954	0.229422873
RBM47	turquoise	0.255225017	2.22E-08	0.281881544	5.60E-10
RBMS3	turquoise	-0.212813238	3.49E-06	-0.207819997	5.94E-06
RBP7	turquoise	-0.21200961	3.80E-06	-0.238478503	1.84E-07
RBPMS2	turquoise	-0.014635545	0.752422984	-0.013375238	0.773132716
RCAN2	turquoise	-0.214372252	2.94E-06	-0.222645863	1.18E-06
RCBTB2	turquoise	-0.28909902	1.93E-10	-0.293019773	1.06E-10
RECK	turquoise	-0.294713659	8.22E-11	-0.293269277	1.02E-10
REEP1	turquoise	-0.128110706	0.005562596	-0.135600055	0.00332409
REM1	turquoise	-0.286812921	2.71E-10	-0.271228005	2.56E-09
RER1	turquoise	0.097830162	0.034555087	0.104609652	0.023772804
RERG	turquoise	-0.284118704	4.03E-10	-0.279929333	7.43E-10
RERGL	turquoise	-0.206602605	6.75E-06	-0.220181194	1.55E-06
RFTN2	turquoise	-0.257111574	1.74E-08	-0.240815186	1.38E-07
RGAG4	turquoise	-0.26467439	6.31E-09	-0.266371194	5.01E-09
RGL1	turquoise	0.063094665	0.173453756	0.035096492	0.449264285
RGMA	turquoise	-0.252377624	3.22E-08	-0.250842508	3.92E-08

RGN	turquoise	-0.383702851	7.90E-18	-0.389065129	2.51E-18
RGS2	turquoise	-0.149499075	0.001194158	-0.148177685	0.001321313
RGS4	turquoise	-0.210243558	4.59E-06	-0.177855909	0.000111523
RGS9	turquoise	-0.339089219	4.98E-14	-0.364923755	3.71E-16
RHOB	turquoise	0.026304113	0.570706427	0.003042928	0.947710497
RHOBTB	turquoise	0.039115944	0.399027068	0.01727863	0.70957907
RHOV	turquoise	0.211072892	4.20E-06	0.214608045	2.87E-06
RHPN2	turquoise	-0.010603441	0.819230642	-0.019273452	0.677830658
RIC3	turquoise	-0.376004803	3.95E-17	-0.38232649	1.06E-17
RILPL1	turquoise	-0.176682259	0.00012397	-0.182331339	7.40E-05
RIMS3	turquoise	-0.275937688	1.32E-09	-0.301598657	2.82E-11
RITA1	turquoise	0.111116232	0.016294564	0.124611382	0.007014098
RNASE4	turquoise	0.001616492	0.97220805	-0.011713686	0.800681528
RNF112	turquoise	-0.293004349	1.07E-10	-0.292250156	1.20E-10
RNF144A	turquoise	-0.268127177	3.94E-09	-0.288191188	2.21E-10
RORB	turquoise	-0.202766589	1.01E-05	-0.194190101	2.38E-05
RP11-136	turquoise	-0.182333721	7.40E-05	-0.202620758	1.02E-05
RP11-20J	turquoise	-0.240072792	1.51E-07	-0.244139215	9.15E-08
RP11-216	turquoise	-0.075470479	0.103337634	-0.089790614	0.052487972
RP11-244	turquoise	-0.150120574	0.001138336	-0.158815974	0.000571627
RP11-903	turquoise	-0.062426007	0.178065322	-0.090188462	0.051446467
RP6-24A2	turquoise	-0.144958274	0.001684962	-0.151865231	0.000994229
RPN1	turquoise	-0.028207797	0.543145683	0.000924966	0.984095136
RPRM	turquoise	-0.232427686	3.79E-07	-0.227795081	6.52E-07
RPS6KA1	turquoise	0.377502423	2.89E-17	0.395184316	6.61E-19
RPS6KA2	turquoise	-0.127105135	0.005949202	-0.123332682	0.007623772
RPS6KA6	turquoise	-0.454773805	3.24E-25	-0.458775499	1.10E-25
RSPO1	turquoise	-0.257975954	1.55E-08	-0.258438405	1.46E-08
RSPO3	turquoise	-0.340717269	3.71E-14	-0.345273534	1.61E-14
RTKN	turquoise	0.125295969	0.006705962	0.128805636	0.005308783
RTN4IP1	turquoise	0.236478491	2.34E-07	0.256741596	1.82E-08
RUNDC3	turquoise	-0.112470707	0.015027364	-0.107625208	0.020001057
RUNX1T	turquoise	-0.218660475	1.84E-06	-0.213924755	3.09E-06
RUSC2	turquoise	-0.234621076	2.92E-07	-0.231506122	4.23E-07
RYR2	turquoise	-0.124459348	0.007084226	-0.097442727	0.035280542
RYR3	turquoise	-0.177403026	0.00011618	-0.192417014	2.84E-05
S100A11	turquoise	0.282345446	5.23E-10	0.307088289	1.18E-11
S1PR3	turquoise	-0.140006497	0.002426124	-0.141848979	0.002121186
SAMD10	turquoise	0.110750431	0.016652456	0.122353575	0.008122162
SAMD4A	turquoise	-0.355137554	2.50E-15	-0.352540652	4.11E-15
SAMD5	turquoise	-0.279342103	8.09E-10	-0.263080865	7.83E-09
SAP30L	turquoise	-0.199871856	1.35E-05	-0.215325177	2.65E-06
SATB1	turquoise	-0.104875719	0.023416916	-0.095879081	0.038341477
SBK1	turquoise	0.18638311	5.07E-05	0.196836736	1.83E-05
SCARA3	turquoise	-0.078904519	0.088525463	-0.089436776	0.053428971



SCARA5 turquoise	-0.144208875	0.001781834	-0.153733106	0.000858742
SCARF2 turquoise	-0.234683008	2.90E-07	-0.213978507	3.07E-06
SCN1B turquoise	-0.208733969	5.39E-06	-0.20400438	8.85E-06
SCN2B turquoise	-0.305739021	1.46E-11	-0.315968468	2.75E-12
SCN3B turquoise	-0.274512942	1.61E-09	-0.277609636	1.04E-09
SCN4B turquoise	-0.097061308	0.03600735	-0.117877702	0.010790047
SCN7A turquoise	-0.145677089	0.001596604	-0.144246172	0.001776894
SCRG1 turquoise	-0.136162871	0.00319463	-0.124967162	0.006852413
SDC1 turquoise	0.321941139	1.01E-12	0.321915581	1.01E-12
SDPR turquoise	-0.286311392	2.92E-10	-0.275493265	1.40E-09
SEC61A1 turquoise	0.253086167	2.94E-08	0.261034346	1.03E-08
SEL1L2 turquoise	-0.173057699	0.000171154	-0.179959121	9.21E-05
SELE turquoise	-0.08680591	0.060874802	-0.090570013	0.050463879
SELM turquoise	-0.071795751	0.121294901	-0.061015122	0.188093208
SEMA4A turquoise	0.101898993	0.027673175	0.122514873	0.008038108
SEMA5A turquoise	-0.075301793	0.104113006	-0.063877446	0.168168843
SEPHS2 turquoise	0.133710896	0.003794217	0.153948985	0.000844235
SEPT4 turquoise	0.026623395	0.566037981	0.043518089	0.348060396
SERP2 turquoise	-0.381788913	1.18E-17	-0.388964714	2.57E-18
SERPINF turquoise	-0.144036583	0.001804815	-0.122109769	0.0082507
SERPING turquoise	-0.328407672	3.32E-13	-0.308787716	8.95E-12
SERTAD turquoise	0.040052622	0.387823369	0.002513959	0.956790471
SERTM1 turquoise	-0.035635222	0.442330418	-0.061645084	0.183565579
SETBP1 turquoise	-0.245280219	7.94E-08	-0.257849476	1.58E-08
SETD7 turquoise	-0.076748458	0.097611013	-0.092987766	0.04459542
SFN turquoise	0.388241285	3.00E-18	0.398431461	3.22E-19
SFRP1 turquoise	-0.288038312	2.26E-10	-0.29699671	5.78E-11
SFRP4 turquoise	-0.139877013	0.00244899	-0.110430744	0.016970845
SGCA turquoise	-0.116173545	0.011994188	-0.097174571	0.035790207
SGCE turquoise	-0.265774696	5.43E-09	-0.272417642	2.17E-09
SGIP1 turquoise	-0.179874013	9.28E-05	-0.176586043	0.000125046
SH3BGR1 turquoise	0.007791675	0.866637699	-0.015189505	0.743375071
SH3BP5 turquoise	-0.198177097	1.60E-05	-0.227561019	6.70E-07
SH3PXD2 turquoise	-0.179651702	9.47E-05	-0.177595199	0.000114182
SHC2 turquoise	-0.14326157	0.001911585	-0.138896595	0.002628605
SHF turquoise	-0.186822441	4.86E-05	-0.201077045	1.20E-05
SHMT1 turquoise	0.245930565	7.31E-08	0.235104455	2.76E-07
SIDT2 turquoise	-0.163487934	0.000389006	-0.163862764	0.000377008
SIGLEC6 turquoise	-0.191778743	3.02E-05	-0.175022056	0.00014382
SLC10A6 turquoise	-0.014671204	0.75183951	-0.023703638	0.609393804
SLC12A4 turquoise	-0.041060209	0.375987278	-0.023598897	0.610976115
SLC12A8 turquoise	0.099695875	0.031236941	0.097858318	0.034502864
SLC16A2 turquoise	-0.203789113	9.05E-06	-0.199883552	1.35E-05
SLC16A3 turquoise	0.060023565	0.19538521	0.099945501	0.030814359
SLC16A7 turquoise	-0.270154511	2.97E-09	-0.260058893	1.18E-08

SLC1A7 turquoise	-0.198091629	1.62E-05	-0.206266195	6.99E-06
SLC22A1 turquoise	-0.342028004	2.92E-14	-0.36350802	4.91E-16
SLC22A3 turquoise	-0.258769133	1.40E-08	-0.266954658	4.62E-09
SLC23A2 turquoise	-0.304672141	1.73E-11	-0.318594638	1.78E-12
SLC24A3 turquoise	-0.234607825	2.93E-07	-0.239629854	1.60E-07
SLC25A2 turquoise	0.212971116	3.43E-06	0.22876583	5.83E-07
SLC25A4 turquoise	-0.202092693	1.08E-05	-0.215218182	2.69E-06
SLC26A1 turquoise	-0.074834561	0.106284734	-0.100600484	0.029728755
SLC26A6 turquoise	0.237185094	2.15E-07	0.221197545	1.38E-06
SLC2A4 turquoise	-0.339650153	4.50E-14	-0.347943357	9.77E-15
SLC2A6 turquoise	0.080246841	0.083220872	0.083480786	0.071490762
SLC35F1 turquoise	-0.195953472	2.00E-05	-0.214188097	3.00E-06
SLC35G2 turquoise	-0.208331309	5.63E-06	-0.207078818	6.42E-06
SLC38A7 turquoise	0.306472342	1.30E-11	0.325236865	5.74E-13
SLC39A1 turquoise	0.255598274	2.12E-08	0.259524456	1.26E-08
SLC45A1 turquoise	-0.241609068	1.25E-07	-0.24598863	7.26E-08
SLC50A1 turquoise	0.166582046	0.000299753	0.177585888	0.000114278
SLC51B turquoise	-0.094242929	0.041782341	-0.079493201	0.086166586
SLC6A1 turquoise	0.019182698	0.679263248	0.028987165	0.532056073
SLC7A3 turquoise	-0.16568698	0.000323379	-0.14863062	0.001276388
SLC7A5 turquoise	0.359066884	1.17E-15	0.345318494	1.59E-14
SLC8A1 turquoise	-0.39600899	5.51E-19	-0.414176077	8.80E-21
SLC8A2 turquoise	-0.16792288	0.000267357	-0.169117563	0.000241277
SLC9B2 turquoise	-0.044768095	0.334375523	-0.074384878	0.108408547
SLIT3 turquoise	-0.198613381	1.53E-05	-0.22207493	1.25E-06
SLITRK3 turquoise	-0.188691677	4.07E-05	-0.196874535	1.83E-05
SMAD9 turquoise	0.091296726	0.048635752	0.062710273	0.176093821
SMARCA turquoise	0.12852484	0.005410057	0.126190966	0.006321432
SMIM10 turquoise	-0.406579216	5.12E-20	-0.418369123	3.26E-21
SMOC2 turquoise	-0.108933809	0.018533572	-0.121573215	0.008539989
SMPDL3 turquoise	-0.115614564	0.012414245	-0.10309519	0.025888884
SMTN turquoise	-0.132922683	0.004007583	-0.132369142	0.004163852
SNAI2 turquoise	-0.046376406	0.31728394	-0.061507703	0.184546032
SNAP25 turquoise	-0.37304561	7.24E-17	-0.379896073	1.76E-17
SNCA turquoise	-0.352495316	4.15E-15	-0.357680476	1.53E-15
SNCAIP turquoise	-0.130600369	0.004700821	-0.139753369	0.002471008
SNED1 turquoise	-0.238734301	1.78E-07	-0.246752866	6.60E-08
SNPH turquoise	-0.128598641	0.005383272	-0.146537638	0.001496425
SNTG2 turquoise	-0.21307863	3.39E-06	-0.190432693	3.44E-05
SNX21 turquoise	-0.105877928	0.022117442	-0.122359307	0.008119161
SNX33 turquoise	0.032663434	0.481333757	0.045868797	0.322615544
SOBP turquoise	-0.153733035	0.000858747	-0.165130262	0.00033894
SOCS2 turquoise	-0.170726192	0.000209906	-0.172559732	0.00017882
SORBS1 turquoise	-0.184368328	6.12E-05	-0.202594757	1.02E-05
SORBS3 turquoise	-0.081092758	0.080011912	-0.070093871	0.130395844

SORCS1	turquoise	-0.16693965	0.000290771	-0.168520485	0.000253998
SOX15	turquoise	-0.227206242	6.98E-07	-0.225232029	8.76E-07
SOX7	turquoise	-0.074160626	0.109480103	-0.091711306	0.04761789
SPAG4	turquoise	0.212809457	3.49E-06	0.235546284	2.62E-07
SPARCL1	turquoise	-0.187444014	4.58E-05	-0.183379975	6.72E-05
SPEG	turquoise	-0.397900566	3.63E-19	-0.42572816	5.53E-22
SPP1	turquoise	0.072834499	0.115988389	0.064084177	0.166793429
SPSB1	turquoise	-0.218171138	1.94E-06	-0.192984188	2.68E-05
SPTBN2	turquoise	0.043698392	0.346064854	0.043136652	0.352306003
SPTBN4	turquoise	-0.258086353	1.53E-08	-0.264632787	6.35E-09
SREBF1	turquoise	0.44301622	7.19E-24	0.450896686	9.13E-25
SRF	turquoise	-0.188703849	4.06E-05	-0.187241529	4.67E-05
SRL	turquoise	-0.232911468	3.58E-07	-0.211273713	4.11E-06
SRPRB	turquoise	0.240168498	1.49E-07	0.258722231	1.40E-08
SRPX	turquoise	-0.339672765	4.48E-14	-0.327692975	3.76E-13
SSBP2	turquoise	-0.150815276	0.001078792	-0.127414003	0.00582796
SSC5D	turquoise	-0.187697281	4.47E-05	-0.15239594	0.000953854
SSPN	turquoise	-0.359432572	1.09E-15	-0.342762225	2.55E-14
SSTR1	turquoise	-0.327406362	3.95E-13	-0.335255876	9.92E-14
SSTR3	turquoise	-0.202087305	1.08E-05	-0.195511732	2.09E-05
ST3GAL2	turquoise	-0.161958484	0.000441749	-0.16323456	0.000397318
ST3GAL3	turquoise	-0.23807144	1.93E-07	-0.251254991	3.72E-08
ST3GAL5	turquoise	-0.158070676	0.000607241	-0.15333086	0.000886389
ST5	turquoise	-0.13519326	0.003420608	-0.153440776	0.000878754
ST6GAL2	turquoise	-0.135010166	0.003464874	-0.1488444	0.001255677
ST6GALM	turquoise	-0.263808514	7.10E-09	-0.28215776	5.38E-10
ST6GALM	turquoise	-0.256863911	1.79E-08	-0.236794036	2.25E-07
ST8SIA1	turquoise	-0.278138963	9.62E-10	-0.258814418	1.39E-08
STAB2	turquoise	-0.152696525	0.000931663	-0.164417454	0.000359883
STARD13	turquoise	-0.045977518	0.321468739	-0.056803239	0.220489291
STARD5	turquoise	-0.014979669	0.746798273	-0.026172634	0.572634164
STARD9	turquoise	-0.21314066	3.37E-06	-0.227513676	6.74E-07
STAT5B	turquoise	-0.09023726	0.051319916	-0.102805442	0.026311725
STC2	turquoise	0.123438821	0.007571421	0.107991593	0.01958033
STEAP4	turquoise	-0.051325978	0.268328106	-0.055675727	0.229801699
STMN3	turquoise	-0.212095554	3.77E-06	-0.220141819	1.56E-06
STON1	turquoise	-0.375230337	4.63E-17	-0.380471074	1.56E-17
STON1-G	turquoise	-0.178775033	0.000102607	-0.174503421	0.000150609
STX1B	turquoise	-0.293133607	1.05E-10	-0.29296203	1.07E-10
STX2	turquoise	-0.103891502	0.02475683	-0.120140568	0.009357192
STXBP1	turquoise	-0.252355329	3.23E-08	-0.293215716	1.03E-10
SULF2	turquoise	-0.097158794	0.035820387	-0.092901586	0.044794275
SUSD5	turquoise	-0.249207723	4.83E-08	-0.2517496	3.49E-08
SVEP1	turquoise	-0.134964672	0.003475953	-0.116963332	0.011422106
SVIL	turquoise	-0.179136634	9.93E-05	-0.19564275	2.06E-05

SYK	turquoise	0.222516968	1.19E-06	0.230665866	4.67E-07
SYNC	turquoise	-0.179167102	9.90E-05	-0.174245962	0.000154089
SYNE1	turquoise	-0.269298091	3.35E-09	-0.256824126	1.80E-08
SYNE3	turquoise	-0.202842336	9.97E-06	-0.19388681	2.46E-05
SYNM	turquoise	-0.196661241	1.87E-05	-0.208848176	5.33E-06
SYNPO	turquoise	-0.241282618	1.30E-07	-0.189807493	3.65E-05
SYNPO2	turquoise	-0.177967932	0.000110399	-0.162596237	0.000418995
SYPL2	turquoise	-0.099715396	0.031203716	-0.098865333	0.032678795
SYT1	turquoise	-0.124213768	0.007198829	-0.148463839	0.001292765
SYT15	turquoise	-0.245446931	7.77E-08	-0.24847078	5.31E-08
SYT9	turquoise	-0.256002771	2.01E-08	-0.26239073	8.60E-09
SYTL4	turquoise	-0.102683205	0.026491887	-0.119340685	0.009843089
SYTL5	turquoise	-0.123549817	0.007517018	-0.13181817	0.004324848
TACC1	turquoise	-0.143799155	0.001836929	-0.159949499	0.00052116
TACR2	turquoise	-0.145921741	0.001567515	-0.150207004	0.001130767
TAGLN	turquoise	-0.14092844	0.002268865	-0.106801945	0.020975218
TAL1	turquoise	-0.21495426	2.76E-06	-0.217146191	2.17E-06
TALDO1	turquoise	0.277854613	1.00E-09	0.299352556	4.01E-11
TARBP2	turquoise	-0.117530702	0.011026167	-0.116659775	0.011639067
TBC1D1	turquoise	-0.0931958	0.04411845	-0.101031271	0.029032754
TBC1D2E	turquoise	-0.169697898	0.000229486	-0.173446928	0.000165378
TBC1D7	turquoise	0.124492399	0.007068928	0.143221498	0.00191726
TBL1X	turquoise	-0.142644469	0.002000702	-0.162008675	0.000439917
TBX2	turquoise	-0.159719038	0.000531073	-0.129866507	0.004941386
TBX3	turquoise	-0.177633714	0.000113786	-0.182338833	7.40E-05
TCAF2	turquoise	0.02282505	0.622722376	0.020001737	0.66637681
TCEAL1	turquoise	-0.104279042	0.024221531	-0.128590329	0.005386283
TCEAL2	turquoise	-0.219308199	1.71E-06	-0.237538929	2.06E-07
TCEAL3	turquoise	-0.135733113	0.003293061	-0.131129698	0.004533919
TCEAL4	turquoise	-0.154840093	0.00078672	-0.16902354	0.00024324
TCEAL5	turquoise	-0.429214628	2.35E-22	-0.43928163	1.88E-23
TCEAL6	turquoise	-0.186316436	5.10E-05	-0.195254603	2.15E-05
TCEAL7	turquoise	-0.257604236	1.63E-08	-0.247468552	6.03E-08
TCF21	turquoise	-0.159139433	0.000556782	-0.160514275	0.00049759
TCF23	turquoise	-0.227222808	6.97E-07	-0.228107338	6.29E-07
TCF4	turquoise	-0.191959944	2.97E-05	-0.179203774	9.87E-05
TCF7L2	turquoise	-0.197870467	1.65E-05	-0.193816407	2.47E-05
TDRD10	turquoise	-0.202046567	1.08E-05	-0.217322758	2.13E-06
TEAD3	turquoise	-0.210524393	4.46E-06	-0.220744206	1.46E-06
TEF	turquoise	-0.16625242	0.00030826	-0.177003936	0.000120435
TEX15	turquoise	-0.223083855	1.12E-06	-0.227760842	6.55E-07
TFAP2A	turquoise	0.248818881	5.08E-08	0.229167017	5.56E-07
TFPI	turquoise	-0.071566072	0.122493403	-0.06847474	0.139536142
TGFB1I1	turquoise	-0.155016467	0.000775775	-0.125627106	0.006561314
TGFB3	turquoise	-0.03992019	0.389395707	-0.047111251	0.309668199

TGFBR3	turquoise	-0.27998077	7.38E-10	-0.288344691	2.16E-10
TGM2	turquoise	-0.204213419	8.66E-06	-0.176100789	0.000130609
THBS4	turquoise	-0.103258126	0.025653686	-0.088121407	0.057051051
THPO	turquoise	-0.220004634	1.58E-06	-0.213004305	3.42E-06
THRA	turquoise	-0.179149136	9.92E-05	-0.195311844	2.13E-05
THRB	turquoise	-0.388006706	3.15E-18	-0.393438202	9.71E-19
TIAM1	turquoise	-0.307855942	1.04E-11	-0.311913456	5.38E-12
TIMP2	turquoise	-0.334886311	1.06E-13	-0.311397887	5.85E-12
TIMP3	turquoise	-0.229426164	5.40E-07	-0.227981168	6.38E-07
TK2	turquoise	0.134177989	0.003672685	0.138636833	0.002678165
TKT	turquoise	0.206757275	6.64E-06	0.224672147	9.34E-07
TLCD1	turquoise	0.15313463	0.000900172	0.175597535	0.000136624
TLE4	turquoise	-0.319174355	1.61E-12	-0.290303233	1.61E-10
TLL1	turquoise	-0.193929224	2.45E-05	-0.189573152	3.74E-05
TLN1	turquoise	-0.100858829	0.029309664	-0.090588297	0.050417188
TM7SF2	turquoise	0.166386286	0.000304778	0.173827679	0.000159906
TMC6	turquoise	-0.07685941	0.097126006	-0.044972144	0.332174897
TMEM11	turquoise	-0.196909046	1.82E-05	-0.153697479	0.000861158
TMEM13	turquoise	0.323469545	7.78E-13	0.318595198	1.78E-12
TMEM13	turquoise	-0.309567761	7.88E-12	-0.323653339	7.54E-13
TMEM15	turquoise	-0.004957683	0.914907998	-0.005858246	0.899526463
TMEM17	turquoise	0.110032643	0.017374765	0.093059595	0.044430246
TMEM19	turquoise	-0.165559239	0.00032689	-0.169906542	0.00022538
TMEM20	turquoise	-0.226850779	7.27E-07	-0.2117005	3.93E-06
TMEM20	turquoise	-0.192376827	2.85E-05	-0.187009066	4.77E-05
TMEM21	turquoise	-0.125843189	0.006468438	-0.125622122	0.00656347
TMEM22	turquoise	0.103799359	0.024885597	0.102527232	0.026723313
TMEM23	turquoise	0.237806248	1.99E-07	0.264425178	6.53E-09
TMEM24	turquoise	-0.237398283	2.09E-07	-0.225951943	8.07E-07
TMEM24	turquoise	-0.409609004	2.55E-20	-0.430144371	1.87E-22
TMEM25	turquoise	-0.195692533	2.05E-05	-0.182912896	7.01E-05
TMEM35	turquoise	-0.055810636	0.228672993	-0.070088744	0.130424038
TMEM43	turquoise	-0.173616401	0.000162921	-0.199048816	1.47E-05
TMEM47	turquoise	-0.111718047	0.01572041	-0.086204202	0.062693037
TMEM55	turquoise	-0.242257366	1.16E-07	-0.237406322	2.09E-07
TMEM63	turquoise	0.282242332	5.31E-10	0.293021131	1.06E-10
TMEM88	turquoise	-0.065789393	0.155768215	-0.058515969	0.206864727
TMEM8A	turquoise	0.23654206	2.32E-07	0.269696438	3.17E-09
TMEM8B	turquoise	-0.096246604	0.037602499	-0.105319471	0.02283361
TMOD1	turquoise	-0.160239293	0.000508939	-0.1368827	0.003035733
TMOD2	turquoise	-0.230866121	4.56E-07	-0.234474691	2.97E-07
TMPRSS4	turquoise	0.095493955	0.039129016	0.117715006	0.010900192
TNFAIP8	turquoise	-0.160293954	0.000506665	-0.162176146	0.000433857
TNRC6C	turquoise	-0.212438577	3.63E-06	-0.21366101	3.18E-06
TNS1	turquoise	-0.278698858	8.87E-10	-0.268474966	3.75E-09

TNS2	turquoise	-0.131169512	0.004521584	-0.117480964	0.011060384
TNXB	turquoise	-0.227311271	6.90E-07	-0.218847592	1.80E-06
TPI1	turquoise	0.233238823	3.45E-07	0.260279717	1.14E-08
TPM1	turquoise	-0.181225232	8.20E-05	-0.174393972	0.000152079
TPM2	turquoise	-0.1490144	0.001239428	-0.141655031	0.002151549
TPPP2	turquoise	-0.167877792	0.000268391	-0.17315903	0.000169633
TPRN	turquoise	0.10984731	0.017565658	0.120303935	0.009260617
TPSAB1	turquoise	-0.119288814	0.009875358	-0.06949276	0.133733623
TPSB2	turquoise	-0.135480823	0.00335212	-0.105675731	0.022374459
TPSD1	turquoise	-0.090090462	0.0517014	-0.072596717	0.117186772
TPSG1	turquoise	-0.187844385	4.41E-05	-0.2009288	1.21E-05
TRAF4	turquoise	0.165688851	0.000323328	0.168481139	0.000254858
TRANK1	turquoise	-0.213750247	3.15E-06	-0.194747906	2.26E-05
TRDN	turquoise	-0.162496243	0.000422489	-0.165381791	0.000331825
TRERF1	turquoise	-0.287252243	2.54E-10	-0.284885997	3.60E-10
TRH	turquoise	-0.217116853	2.18E-06	-0.239915147	1.54E-07
TRIM4	turquoise	-0.220465688	1.50E-06	-0.219408324	1.69E-06
TRIM56	turquoise	-0.213497075	3.24E-06	-0.20139572	1.16E-05
TRIM63	turquoise	-0.146333179	0.001519689	-0.151737331	0.001004192
TRIM9	turquoise	-0.081901122	0.07703978	-0.090066978	0.05176265
TRIOBP	turquoise	-0.058370843	0.207995004	-0.058768546	0.204908197
TRO	turquoise	-0.569831687	1.47E-41	-0.580678301	1.89E-43
TRPC1	turquoise	-0.368370807	1.87E-16	-0.377548224	2.87E-17
TRPC4	turquoise	-0.170377072	0.000216372	-0.160533293	0.000496814
TRPM2	turquoise	0.251429637	3.64E-08	0.258138077	1.52E-08
TRPM3	turquoise	-0.145248137	0.001648806	-0.157206667	0.000651101
TRUB2	turquoise	0.243296244	1.02E-07	0.24863189	5.20E-08
TSACC	turquoise	0.036458467	0.431853419	0.036018536	0.437434259
TSC22D3	turquoise	-0.355107814	2.52E-15	-0.329787094	2.61E-13
TSHB	turquoise	-0.186405013	5.06E-05	-0.183308849	6.76E-05
TSHZ2	turquoise	-0.197716444	1.68E-05	-0.180917015	8.44E-05
TSHZ3	turquoise	-0.259726637	1.23E-08	-0.25068232	4.00E-08
TSLP	turquoise	-0.132906774	0.004011999	-0.143565496	0.001869044
TSPAN17	turquoise	0.040220942	0.385830522	0.065656082	0.156609769
TSPAN18	turquoise	-0.307430204	1.11E-11	-0.302211112	2.56E-11
TSPAN2	turquoise	-0.332679534	1.57E-13	-0.323540052	7.68E-13
TSPAN33	turquoise	-0.034882105	0.452040613	-0.045545614	0.326040227
TSPAN4	turquoise	-0.287628872	2.40E-10	-0.247096172	6.32E-08
TSPAN5	turquoise	0.060396765	0.192616789	0.030372102	0.512635975
TSPAN7	turquoise	-0.23719697	2.14E-07	-0.246620217	6.71E-08
TSPAN9	turquoise	-0.034337031	0.459142721	-0.01581505	0.733200301
TSPYL2	turquoise	-0.190535883	3.41E-05	-0.208642923	5.45E-06
TSPYL5	turquoise	-0.440522614	1.37E-23	-0.445195104	4.09E-24
TSSC1	turquoise	0.199938887	1.34E-05	0.191312024	3.16E-05
TTYH2	turquoise	-0.263062712	7.85E-09	-0.279660459	7.73E-10

TUB	turquoise	-0.390937153	1.67E-18	-0.393704125	9.16E-19
TUBB6	turquoise	-0.326254173	4.82E-13	-0.305933518	1.42E-11
TUBG2	turquoise	-0.03723851	0.42205979	-0.045976162	0.321483022
TUSC1	turquoise	-0.240295469	1.47E-07	-0.233571926	3.31E-07
TVP23A	turquoise	-0.153096169	0.000902897	-0.157454857	0.00063821
TWIST1	turquoise	-0.085861676	0.063747917	-0.075138001	0.104870286
TWIST2	turquoise	-0.318325028	1.86E-12	-0.313516331	4.13E-12
TXLNB	turquoise	-0.280138778	7.21E-10	-0.282490376	5.12E-10
TXNDC1	turquoise	0.00730498	0.874897306	-0.011499383	0.804253579
TXNIP	turquoise	0.015004771	0.746388502	0.005380185	0.907687384
TXNL4A	turquoise	0.142698289	0.001992781	0.168624692	0.000251734
TYSND1	turquoise	0.158255768	0.000598209	0.147046834	0.001439899
UBE2QL1	turquoise	-0.046167438	0.319471793	-0.073813126	0.111157056
UCP2	turquoise	0.177900065	0.000111079	0.207952643	5.86E-06
UNC93B1	turquoise	0.002945648	0.949379874	0.031123793	0.502251803
USF1	turquoise	0.167518468	0.000276766	0.18949843	3.76E-05
USP27X	turquoise	-0.333758089	1.29E-13	-0.353304369	3.55E-15
USP51	turquoise	-0.399744616	2.40E-19	-0.418213379	3.39E-21
UST	turquoise	-0.340526795	3.84E-14	-0.352301251	4.30E-15
VAMP2	turquoise	0.059393924	0.200121649	0.060574902	0.191305537
VASH1	turquoise	-0.242318653	1.15E-07	-0.240852533	1.37E-07
VAT1L	turquoise	-0.147685009	0.001371828	-0.128652365	0.005363849
VAV3	turquoise	0.201197654	1.18E-05	0.200220643	1.30E-05
VGLL3	turquoise	-0.206346937	6.93E-06	-0.200079165	1.32E-05
VIP	turquoise	-0.212766916	3.50E-06	-0.211204075	4.15E-06
VIPR2	turquoise	-0.172393059	0.000181456	-0.15641464	0.000693868
VPS37B	turquoise	0.306711947	1.25E-11	0.328573846	3.22E-13
VSTM4	turquoise	-0.192779329	2.74E-05	-0.178895103	0.000101493
VWC2	turquoise	-0.217337139	2.13E-06	-0.219456929	1.68E-06
WBSCR1	turquoise	-0.287782669	2.34E-10	-0.29769534	5.19E-11
WDR17	turquoise	-0.297305517	5.51E-11	-0.317178363	2.25E-12
WDR55	turquoise	0.34034537	3.96E-14	0.328338374	3.36E-13
WIPF3	turquoise	-0.330354865	2.36E-13	-0.328534917	3.24E-13
WISP2	turquoise	-0.175259967	0.000140803	-0.199915234	1.35E-05
WNT2B	turquoise	-0.210472981	4.48E-06	-0.214937293	2.77E-06
WNT4	turquoise	-0.278480225	9.16E-10	-0.270630692	2.78E-09
WNT9B	turquoise	-0.188791041	4.03E-05	-0.193306708	2.60E-05
WSCD2	turquoise	-0.185451866	5.53E-05	-0.1815622	7.95E-05
WT1	turquoise	-0.411805748	1.53E-20	-0.407290523	4.35E-20
WWC3	turquoise	-0.211987178	3.81E-06	-0.225214186	8.78E-07
WWTR1	turquoise	-0.242293996	1.15E-07	-0.247553078	5.96E-08
XKR5	turquoise	-0.040593489	0.381441941	-0.065100665	0.160152969
XPNPEP2	turquoise	-0.129265198	0.005146712	-0.1277902	0.005683292
XYLT1	turquoise	-0.230111312	4.98E-07	-0.220415184	1.51E-06
YIPF1	turquoise	0.208537535	5.51E-06	0.234123635	3.10E-07

YPEL4	turquoise	-0.328863124	3.06E-13	-0.333306324	1.40E-13
YWHAE	turquoise	0.29736981	5.46E-11	0.282908256	4.82E-10
ZBTB16	turquoise	-0.203934596	8.91E-06	-0.210410489	4.51E-06
ZBTB4	turquoise	0.002149777	0.963045131	-0.017796631	0.701283731
ZBTB46	turquoise	-0.446199199	3.14E-24	-0.43790445	2.67E-23
ZBTB47	turquoise	-0.171075073	0.000203627	-0.180169194	9.04E-05
ZC3H12B	turquoise	-0.334672993	1.10E-13	-0.34192993	2.97E-14
ZCCHC12	turquoise	-0.072874255	0.115788967	-0.113893063	0.013790603
ZCCHC18	turquoise	-0.192500302	2.81E-05	-0.203709571	9.12E-06
ZCCHC24	turquoise	-0.26110249	1.02E-08	-0.247058982	6.35E-08
ZCCHC5	turquoise	-0.122642082	0.007972366	-0.122813665	0.007884453
ZDBF2	turquoise	-0.375621438	4.27E-17	-0.384681253	6.42E-18
ZDHHC11	turquoise	-0.264509208	6.46E-09	-0.270296966	2.91E-09
ZDHHC11	turquoise	-0.345872453	1.44E-14	-0.339510496	4.61E-14
ZDHHC11	turquoise	0.248752842	5.12E-08	0.250675538	4.01E-08
ZEB1	turquoise	-0.172586172	0.000178405	-0.167837886	0.000269309
ZEB2	turquoise	-0.241575003	1.26E-07	-0.219222523	1.73E-06
ZFPM2	turquoise	-0.327993892	3.57E-13	-0.324605373	6.40E-13
ZFYVE21	turquoise	0.003656676	0.937183803	0.011578719	0.802930704
ZNF165	turquoise	-0.102111703	0.027348371	-0.111570169	0.015859822
ZNF208	turquoise	-0.305449058	1.53E-11	-0.309938663	7.42E-12
ZNF229	turquoise	-0.459421998	9.20E-26	-0.472850466	2.17E-27
ZNF25	turquoise	-0.095370465	0.039384421	-0.126278333	0.006284977
ZNF34	turquoise	-0.262397128	8.59E-09	-0.280145315	7.20E-10
ZNF385D	turquoise	-0.189335632	3.82E-05	-0.188162224	4.28E-05
ZNF438	turquoise	-0.140495049	0.002341593	-0.143456124	0.001884252
ZNF454	turquoise	-0.262280363	8.73E-09	-0.286912624	2.67E-10
ZNF501	turquoise	-0.37446755	5.41E-17	-0.371364741	1.02E-16
ZNF502	turquoise	-0.390004295	2.05E-18	-0.397670416	3.82E-19
ZNF521	turquoise	-0.132485311	0.004130607	-0.13610571	0.003207566
ZNF540	turquoise	-0.125284782	0.006710898	-0.129723265	0.004989617
ZNF559	turquoise	-0.234919385	2.82E-07	-0.258338408	1.48E-08
ZNF575	turquoise	-0.05846855	0.207233546	-0.06086261	0.189201578
ZNF582	turquoise	-0.32175044	1.04E-12	-0.312005485	5.30E-12
ZNF662	turquoise	-0.496643722	1.86E-30	-0.497686726	1.35E-30
ZNF672	turquoise	0.301543813	2.84E-11	0.313898789	3.88E-12
ZNF676	turquoise	-0.281610117	5.82E-10	-0.285978004	3.07E-10
ZNF677	turquoise	-0.377459934	2.92E-17	-0.397385853	4.07E-19
ZNF781	turquoise	-0.163391198	0.00039216	-0.206238439	7.01E-06
ZNF835	turquoise	-0.398231999	3.37E-19	-0.394615762	7.50E-19
ZNF843	turquoise	-0.304446095	1.80E-11	-0.29917533	4.12E-11
ZYX	turquoise	-0.100291797	0.030236234	-0.079468794	0.086263367
A3GALT	violet	-0.116008688	0.012116747	-0.110084534	0.017321644
ADAD1	violet	-0.037980655	0.412863584	-0.032329057	0.485836154
ADAM7	violet	-0.100738035	0.029504983	-0.075063373	0.105216769



AGBL1	violet	-0.062848846	0.17513866	-0.039400655	0.395601245
ANKRD3	violet	-0.081145809	0.07981405	-0.08824271	0.056708716
ASB17	violet	-0.042486145	0.359621528	-0.022060155	0.634427611
ASB18	violet	-0.043659153	0.346498519	-0.044648552	0.335669111
ATP11A	violet	-0.066642321	0.150464688	-0.041955196	0.365662491
ATXN3L	violet	-0.073280719	0.113765448	-0.05722328	0.217089997
BAGE5	violet	-0.131382919	0.004455984	-0.124457624	0.007085025
BRS3	violet	-0.083831119	0.070305437	-0.097916055	0.034395987
C1orf185	violet	-0.064014385	0.16725682	-0.038208262	0.410067102
C7orf33	violet	-0.110650103	0.016751809	-0.10160694	0.028124534
CABP2	violet	-0.136539966	0.00311047	-0.099133782	0.032206664
CCDC168	violet	-0.026186922	0.572424527	-0.014580002	0.753332071
CCDC79	violet	-0.045282819	0.328842295	-0.033007164	0.476729129
CNBD1	violet	-0.075779357	0.101929726	-0.059051869	0.202729501
CRB1	violet	-0.103491832	0.025319551	-0.110806915	0.016596748
CRYAA	violet	-0.0271038	0.559048291	-0.034198209	0.460961426
CYLC2	violet	-0.043387367	0.349511739	-0.025869577	0.577089283
CYP7A1	violet	-0.06167491	0.183353234	-0.065925031	0.154915486
DAOA	violet	-0.037083778	0.423992102	-0.021730333	0.639503379
DDX3Y	violet	-0.070875354	0.126153286	-0.058443043	0.207432136
DDX53	violet	0.009957945	0.830062336	0.032781197	0.479753483
DEFB110	violet	-0.063782523	0.168803214	-0.051687575	0.264966256
DEFB128	violet	-0.044732384	0.334761616	-0.01677645	0.717653954
DNAH8	violet	-0.100896501	0.029248977	-0.096490002	0.037119777
DNAJB8	violet	-0.113151841	0.014423453	-0.087083925	0.060049527
EFCAB3	violet	-0.011086149	0.811152888	-0.007672216	0.868663709
G6PC2	violet	-0.076574557	0.098375069	-0.063538752	0.170440541
GABRR3	violet	-0.075469882	0.103340367	-0.064610949	0.163326861
GAGE2E	violet	-0.080259824	0.083170848	-0.061126415	0.187287415
GFRAL	violet	-0.053637047	0.247340633	-0.04342232	0.349123298
GPR112	violet	-0.123123375	0.007727957	-0.123188402	0.007695454
GPR141	violet	0.027992425	0.546230316	0.040061832	0.387714168
GPR149	violet	-0.064540196	0.163789298	-0.060156057	0.194399064
HEMGN	violet	-0.060806946	0.189607306	-0.044977275	0.332119691
HIST1H4A	violet	0.010011262	0.829166403	0.014315927	0.757658903
HNRNPC	violet	0.013891373	0.76463101	0.017715331	0.702583358
HORMAI	violet	-0.040159732	0.386554503	-0.035553591	0.443377135
HSF5	violet	-0.054579495	0.239119864	-0.025743986	0.578940299
HTR4	violet	-0.095615646	0.038878706	-0.092657442	0.045361675
IFNA2	violet	-0.128416513	0.005449589	-0.116086012	0.012059125
IFNA21	violet	-0.030683743	0.508317339	-0.015301012	0.741558027
IL17F	violet	0.027851765	0.548249561	0.055066928	0.234944311
IL26	violet	-0.01124525	0.808494784	0.017537262	0.705432938
IL3	violet	-0.051206428	0.269445988	-0.045544714	0.326049802
IQCF3	violet	-0.02915451	0.529689919	-0.024684936	0.5946585

KRTAP21violet	-0.061754574	0.18278694	-0.043150101	0.352155754
KRTAP24violet	-0.056016288	0.226959998	-0.035358922	0.445878968
MBL2 violet	-0.041561779	0.370179138	-0.028349324	0.541123408
MGAT4Dviolet	-0.086925156	0.060519685	-0.073609585	0.112148638
MLIP violet	-0.135478673	0.003352628	-0.123109815	0.007734751
MROH2Bviolet	-0.081783774	0.077465587	-0.067370157	0.146048473
NLRP14 violet	-0.201148645	1.19E-05	-0.215361723	2.64E-06
NME8 violet	-0.049148228	0.289191724	-0.035356311	0.445912573
NOTO violet	-0.024134001	0.602911465	-0.016464176	0.722691182
NPHS2 violet	-0.127674806	0.00572732	-0.116755628	0.011570167
OOSP2 violet	-0.013919484	0.764168781	-0.01108056	0.811246299
OPRM1 violet	-0.024734508	0.593918449	-0.015400292	0.739941427
OR11H4 violet	-0.185004327	5.77E-05	-0.179190768	9.88E-05
OR11H6 violet	-0.085011784	0.06642857	-0.074682507	0.106999161
OR13G1 violet	-0.10972898	0.017688493	-0.096390499	0.037316479
OR1L8 violet	-0.053615851	0.247527762	-0.044394194	0.338432213
OR1N2 violet	-0.054619033	0.238779234	-0.040856999	0.378356311
OR2A12 violet	-0.072067627	0.119888052	-0.052708201	0.255633778
OR2B3 violet	-0.075681874	0.102372411	-0.050570888	0.275442202
OR4K15 violet	-0.030752087	0.507372798	-0.026936018	0.561484686
OR4K17 violet	-0.094260156	0.041744798	-0.083211039	0.072414509
OR56A5 violet	-0.114011322	0.013691929	-0.106536167	0.021298389
OR5K3 violet	-0.068897661	0.137102546	-0.054776204	0.237428537
OR5L2 violet	-0.050964347	0.271719373	-0.04215989	0.363326116
OR5M8 violet	-0.058689869	0.205516205	-0.045104918	0.330747983
OR5T1 violet	-0.063068438	0.173632946	-0.050024387	0.280670415
OR6B1 violet	-0.060378114	0.192754455	-0.045953071	0.321726375
OR7A17 violet	-0.065511491	0.157526409	-0.059761844	0.197343945
OR8B12 violet	-0.03707679	0.424079497	-0.015261821	0.742196481
OR8B3 violet	-0.045034042	0.331509197	-0.025391062	0.584156692
OR8D1 violet	-0.035518405	0.443828742	-0.011794464	0.799336186
OR8D4 violet	0.028440854	0.539817529	0.046932712	0.311507369
OR8J3 violet	-0.049148315	0.289190865	-0.019777175	0.669900419
OR9A2 violet	-0.065827452	0.155528586	-0.056892098	0.21976702
OTOGL violet	-0.186729928	4.90E-05	-0.188126759	4.29E-05
PLA2G2Eviolet	-0.02996404	0.518319461	-0.013621039	0.769080453
PLCZ1 violet	0.01508275	0.745116016	0.029110102	0.530317302
PNLIPRP.violet	-0.057443686	0.215321401	-0.039219146	0.397783227
POTEC violet	-0.06920952	0.135329027	-0.064292368	0.165416845
POTEG violet	-0.017604031	0.704363976	-0.007504285	0.871513254
POTEH violet	0.020451062	0.659348462	0.071372107	0.123512704
POTEJ violet	-0.056142783	0.225910884	-0.050926887	0.272072319
POTEM violet	0.002582101	0.955620447	0.042582089	0.358536622
PRDM9 violet	-0.119006667	0.010052537	-0.114842683	0.01301562
RBMXL2 violet	-0.145509216	0.00161685	-0.138093263	0.002784636

RDH8	violet	-0.107371817	0.020296611	-0.099519442	0.031538599
RGSL1	violet	-0.054822713	0.237029877	-0.046318682	0.317887319
RIT2	violet	-0.050494175	0.276172069	-0.030206777	0.51493471
RNASE11	violet	-0.051487785	0.266820154	-0.051475091	0.26693825
RP11-310	violet	-0.038340318	0.408449769	-0.029739861	0.521455586
RP11-506	violet	-0.014528639	0.754173038	-0.006639314	0.886216057
RXFP2	violet	-0.088269559	0.056633176	-0.080534038	0.082119944
SAMD7	violet	-0.16313975	0.00040047	-0.146848463	0.001461683
SERPINB	violet	-0.073788721	0.111275581	-0.067539393	0.145035926
SLC13A1	violet	-0.07585767	0.101575192	-0.069354752	0.134509158
SLC22A2	violet	-0.033874299	0.465220526	-0.027785875	0.549196698
SLC22A2	violet	-0.062299102	0.178950736	-0.044253834	0.339963156
SLC25A3	violet	-0.029791423	0.520733394	-0.01283608	0.782042692
SPACA7	violet	-0.019543143	0.673580361	-0.012586343	0.786179543
SPAM1	violet	0.02462775	0.595512742	0.032461854	0.484045319
SPATA16	violet	-0.115493546	0.012506878	-0.101958043	0.027582676
SPATA31	violet	-0.072213382	0.119139092	-0.055113378	0.2345491
SPATA9	violet	-0.09558475	0.038942129	-0.099841353	0.030990068
SPO11	violet	-0.076386395	0.099207137	-0.057718893	0.213127634
SPZ1	violet	-0.053876218	0.245235958	-0.061186729	0.186851785
SULT6B1	violet	-0.089663818	0.052823574	-0.081528301	0.078399205
TAS2R39	violet	-0.062203622	0.179619041	-0.046123437	0.319933723
TAS2R7	violet	-0.050599514	0.275170183	-0.036522237	0.43104788
TBC1D29	violet	-0.051847562	0.263488096	-0.038639076	0.404804766
TBPL2	violet	-0.096634988	0.03683474	-0.077546844	0.094163687
TDRD15	violet	0.023965351	0.605448071	0.030876233	0.505659411
TEX14	violet	-0.106479544	0.021367796	-0.09261469	0.045461652
TGIF2LX	violet	-0.093590739	0.043224761	-0.078077981	0.091924699
TNR	violet	-0.032037767	0.489776801	-0.023761831	0.60851546
TOPAZ1	violet	-0.037612348	0.417412545	-0.026466946	0.568323244
TPH2	violet	-0.057352966	0.216048103	-0.052119835	0.26098554
TRIM64C	violet	-0.065715018	0.156237297	-0.050094226	0.279998563
UGT1A7	violet	-0.125384373	0.006667068	-0.11676598	0.011562748
UMOD	violet	0.013062301	0.778300676	0.020135637	0.664279248
USP26	violet	0.033715874	0.467311579	0.044052432	0.342167625
USP9Y	violet	-0.01464348	0.752293134	0.005069585	0.91299487
WFDC8	violet	0.015775567	0.733841147	0.008887804	0.848089915
ZNF157	violet	-0.326567594	4.57E-13	-0.31988778	1.43E-12
ZSWIM2	violet	-0.116173852	0.011993961	-0.103464289	0.025358734
AC01065'	white	-0.045732409	0.32405795	-0.053708907	0.24670695
AC10407'	white	-0.144924337	0.001689242	-0.134415646	0.003612214
AC11271'	white	-0.07876147	0.089106432	-0.070313901	0.129190326
AC11875'	white	-7.71E-05	0.998673805	0.001601258	0.972469859
ACOT12	white	-0.013301428	0.774350749	-0.024604601	0.595858705
ACOT6	white	-0.097955256	0.034323582	-0.058716358	0.205311354

ACSM2A white	-0.067388642	0.145937611	-0.060773428	0.189851922
ACSM2B white	-0.080710254	0.081450294	-0.073784516	0.111296015
ACTRT1 white	-0.07051033	0.128121419	-0.069664604	0.132772773
AGXT2 white	-0.077188767	0.095697588	-0.098670284	0.033025527
AHSP white	-0.000102285	0.998241091	-0.009483418	0.838045799
AL13333'white	-0.094875474	0.04042238	-0.096273198	0.0375495
AL35482{white	-0.091635982	0.047801483	-0.076824985	0.097276285
ART1 white	-0.063262517	0.17231022	-0.056978286	0.219068079
ASB15 white	-0.045875748	0.322542142	-0.032651702	0.481491353
BEND2 white	-0.021235572	0.647149051	-0.013026901	0.778885902
C12orf50 white	-0.024370761	0.599358523	-0.022482687	0.627950059
C16orf92 white	-0.033906153	0.464800713	-0.027163787	0.558178444
C17orf47 white	-0.090481686	0.050689938	-0.098028685	0.034188308
C4orf26 white	-0.144537036	0.001738802	-0.144729705	0.001713984
C5orf47 white	-0.118218119	0.010562773	-0.103271097	0.025635042
C9orf57 white	-0.053181085	0.251387896	-0.042348523	0.361181323
CETN1 white	-0.020383847	0.66039795	-0.010974459	0.813020178
CGB7 white	-0.097617289	0.034952094	-0.115854297	0.012232528
CLLU1 white	-0.030809314	0.50658261	-0.030039827	0.517261444
COL20A1white	-0.185923697	5.29E-05	-0.195606486	2.07E-05
COL6A5 white	-0.143908864	0.001822026	-0.14814401	0.00132471
CTAGE1 white	0.030439349	0.511702474	0.032173274	0.487941495
CTD-307'white	0.056651338	0.221727919	0.036051611	0.437013242
CXorf66 white	-0.043779968	0.345164387	-0.038045501	0.412065708
CYP3A43white	-0.020883159	0.652617759	-0.036850841	0.42691075
DAZL white	-0.023327754	0.615080677	-0.007308915	0.874830481
DEFB125 white	-0.004939357	0.915221358	-0.004448532	0.923618709
DUXA white	-0.054191433	0.242481274	-0.040414616	0.383545228
EIF4E1B white	-0.080445717	0.082457249	-0.074624376	0.10727329
FAM186'white	-0.036093332	0.436482502	-0.031741732	0.493799153
FAM25E white	-0.023005339	0.619977048	-0.022256723	0.631410646
FAM47C white	-0.00047281	0.991869594	0.006462101	0.889233324
FAM71D white	0.046076937	0.320422374	0.053819423	0.245734612
FAM9A white	-0.085492375	0.064901586	-0.081688676	0.07781206
FBXO47 white	-0.155499514	0.000746516	-0.141895462	0.002113967
FLJ20019 white	-0.082740586	0.074048875	-0.081717151	0.077708186
GABRA1 white	-0.109550856	0.017874813	-0.104232567	0.024285195
GABRA6 white	-0.067745907	0.143807619	-0.060555659	0.191446866
GK2 white	-0.043797352	0.344972692	-0.032143388	0.488345959
GKN1 white	-0.057104486	0.218047533	-0.05221766	0.260090414
GLYAT white	-0.084431072	0.068312898	-0.077275277	0.09532519
GOLGA6 white	-0.065397022	0.158254957	-0.067867808	0.143086315
GOLGA8'white	-0.081729885	0.077661769	-0.07908679	0.087789612
GRIFIN white	-0.133718282	0.003792267	-0.108971732	0.018492482
GSC2 white	-0.090091492	0.051698716	-0.081956532	0.076839384

GUCA1A white	-0.057819856	0.212326873	-0.044374897	0.33864242
HBG2 white	-0.052341252	0.258962545	-0.09796123	0.034312559
HCRT white	-0.065901197	0.155065071	-0.041114712	0.37535344
HEPACA white	-0.049450929	0.286228295	-0.041162653	0.374796452
HES3 white	0.006268771	0.892526832	0.008139984	0.860735456
HNRNPC white	0.043685098	0.346211744	0.01052543	0.820537917
HSPC047 white	-0.190367302	3.46E-05	-0.195750521	2.04E-05
IFNA13 white	-0.10011724	0.030526477	-0.098501886	0.033327404
IFNA6 white	-0.135845603	0.003267034	-0.14096904	0.002262159
IL13 white	0.090905774	0.049612224	0.067269656	0.146652321
IZUMO1 white	-0.156066328	0.000713487	-0.167481204	0.000277648
IZUMO3 white	-0.02399071	0.605066353	-0.014357321	0.756980165
KCNK4 white	-0.094460446	0.041310391	-0.087692005	0.058276677
KIAA102 white	0.041975346	0.365432085	0.018951002	0.682925892
KRTAP5- white	-0.092631967	0.045421227	-0.087973687	0.057470248
LCE2C white	-0.007258359	0.875689231	-0.008263886	0.858637744
LYZL1 white	-0.038788729	0.402986238	-0.038418947	0.407488562
MAGEB5 white	0.008217782	0.859418186	0.020160065	0.663896873
MIP white	-0.044067345	0.342004089	-0.02810638	0.544597138
MS4A3 white	-0.017880466	0.699944483	0.007615884	0.869619388
MTRNR2 white	-0.02233112	0.630270382	-0.013595198	0.769506173
MUC22 white	-0.09354244	0.043333228	-0.088697866	0.055439362
NANOGP white	0.019402136	0.67580133	-0.010071349	0.828156972
NEUROD white	-0.129705142	0.004995749	-0.129837525	0.004951111
NRN1L white	-0.050035203	0.280566286	-0.040801253	0.379007802
OPALIN white	-0.004989071	0.914371333	-0.004803838	0.917539003
OR10G7 white	-0.049843497	0.282415634	-0.056626412	0.221931641
OR11H1 white	-0.083614263	0.071037242	-0.083042384	0.072997005
OR11H12 white	0.010291777	0.824456338	0.026799946	0.563464387
OR1D2 white	-0.05363881	0.247325072	-0.05585532	0.228300012
OR1D5 white	-0.004984845	0.914443579	-0.000730345	0.987441345
OR2H1 white	-0.049176087	0.288918125	-0.041852446	0.366838801
OR2K2 white	0.044723021	0.334862892	0.021833817	0.637908996
OR2T4 white	-0.111201979	0.016211652	-0.104843173	0.023460201
OR4D2 white	-0.013118472	0.777372321	-0.01303659	0.778725722
OR4F4 white	-0.003875847	0.933427257	-0.018172706	0.695283301
OR4K5 white	-0.070236222	0.12961493	-0.043684216	0.346221486
OR51H1 white	-0.060346859	0.19298532	-0.052353498	0.258850979
OR52A1 white	-0.030436643	0.511740018	-0.032142969	0.48835163
OR5AS1 white	-0.036203209	0.435086523	-0.031374633	0.498811449
OR5D18 white	-0.085385881	0.065237438	-0.088286344	0.056585993
OR5H2 white	-0.067950644	0.142597745	-0.065576104	0.157116291
OR5T3 white	0.004316374	0.925881249	0.015823863	0.73305728
OR5V1 white	-0.049640086	0.284386879	-0.050261529	0.278393552
OR6C2 white	-0.070402429	0.128707731	-0.061591015	0.183950996

OR6C68	white	-0.055627952	0.230202357	-0.060363254	0.192864192
OR6J1	white	-0.049903886	0.281832189	-0.044878255	0.333186315
OR6N1	white	-0.032004166	0.490232465	-0.028248766	0.542559892
OR6V1	white	-0.086269214	0.06249445	-0.083769227	0.070513666
OR8H1	white	-0.053475848	0.248766259	-0.043594854	0.347209893
OR8H2	white	-0.011028561	0.812115535	-0.009495803	0.837837213
OTOP3	white	0.01911571	0.680321417	0.023585931	0.611172116
PDE6H	white	-0.076863479	0.097108257	-0.06880718	0.137620433
PGA3	white	-0.091450032	0.048257258	-0.093178274	0.044158468
PKD1L3	white	-0.033292833	0.472920667	-0.027727502	0.550036462
PNLIP	white	0.051870964	0.263272352	0.060239048	0.193783218
PPP1R27	white	-0.101713545	0.027959051	-0.097272535	0.035603293
PPP5D1	white	-0.16293199	0.000407459	-0.151632058	0.001012462
PRG3	white	-0.049558212	0.285182922	-0.046886118	0.311988525
PRR25	white	-0.071586911	0.122384279	-0.048359815	0.297006665
PRSS58	white	-0.073084113	0.114740726	-0.074273239	0.108940958
RP1-66C1	white	-0.107512244	0.020132352	-0.098680273	0.033007693
RP11-322	white	-0.036951118	0.425652874	-0.035737072	0.441026425
RP11-385	white	0.078721401	0.089269712	0.09746215	0.035243868
RP11-545	white	0.039305507	0.396744148	0.032684031	0.481057163
RP11-546	white	-0.017422507	0.707271512	-0.019958439	0.667055633
RP5-907C	white	0.034192849	0.461031731	0.004069478	0.930109687
SHOX	white	-0.032607867	0.482080401	-0.035427123	0.445001549
SKOR2	white	-0.112629124	0.01488496	-0.107468065	0.020183904
SLC22A2	white	-0.072581993	0.117261297	-0.074769111	0.106591784
SLC5A10	white	-0.064901382	0.161438887	-0.058106094	0.210068425
SLCO1B7	white	0.013216727	0.775749188	0.005135075	0.911875468
SMIM9	white	-0.032950516	0.477486339	-0.020967523	0.651306894
SPATA19	white	-0.136258472	0.003173101	-0.108606002	0.018892077
SPATA31	white	-0.057526424	0.214660172	-0.051635208	0.265451328
SPHKAP	white	-0.117342635	0.011156042	-0.117705829	0.010906434
SSX7	white	-0.0107855	0.816181715	-0.000964039	0.983423368
SUN3	white	-0.150063009	0.001143404	-0.15366489	0.000863374
SYCP1	white	-0.129992572	0.004899288	-0.128602575	0.005381847
TAT	white	-0.088237716	0.056722778	-0.088609058	0.055685162
TBL1Y	white	0.026596267	0.566433931	0.018150914	0.695630484
TEX101	white	0.031862435	0.492156988	0.010214607	0.825751464
TEX28	white	-0.011132619	0.810376287	0.005741204	0.901523529
TEX40	white	-0.07453824	0.107680501	-0.075480917	0.103289807
TFAP2D	white	-0.026943807	0.561371474	-0.012595259	0.786031744
TLR9	white	-0.183017027	6.95E-05	-0.18155823	7.95E-05
TPD52L3	white	-0.083810422	0.070375013	-0.064008124	0.167298439
TTLL8	white	-0.094204899	0.041865322	-0.08393896	0.069943814
USP29	white	-0.039798145	0.390848132	-0.040009562	0.388334182
ZAR1L	white	-0.135271216	0.003401917	-0.122567434	0.008010886

ZIM3	white	-0.047218841	0.308563355	-0.043069074	0.353061585
ZNF534	white	-0.061753548	0.182794227	-0.066050257	0.154131357
ZNF735	white	-0.025665427	0.580099549	-0.022808317	0.622977446
ADSS	yellowgreen	0.092710006	0.045239008	0.06302179	0.173951998
AHCTF1	yellowgreen	0.001389888	0.976102742	-0.037287483	0.421449277
ANP32E	yellowgreen	0.179134414	9.93E-05	0.150076097	0.00114225
ARPC5	yellowgreen	0.069033886	0.13632566	0.070833939	0.126375401
ARV1	yellowgreen	0.1517458	0.00100353	0.148490211	0.001290162
B4GALT2	yellowgreen	0.191146247	3.21E-05	0.165160697	0.000338071
BPNT1	yellowgreen	0.246557167	6.76E-08	0.251902433	3.42E-08
C1orf131	yellowgreen	0.153288141	0.000889373	0.141490281	0.002177653
C1orf43	yellowgreen	0.264136781	6.79E-09	0.24662682	6.70E-08
C1orf74	yellowgreen	0.151521325	0.001021229	0.116571653	0.011702729
CACYBP	yellowgreen	0.212683038	3.54E-06	0.182751527	7.12E-05
CCSAP	yellowgreen	0.101931143	0.027623871	0.092701181	0.045259582
CHD1L	yellowgreen	0.168727335	0.000249522	0.12371671	0.007435876
CHTOP	yellowgreen	0.015922264	0.731461043	-0.013007813	0.779201518
CNIH4	yellowgreen	0.164461924	0.000358541	0.175560209	0.00013708
COG2	yellowgreen	0.165156647	0.000338187	0.142968359	0.001953465
COX20	yellowgreen	0.039742693	0.391509127	0.017630623	0.703938403
CREG1	yellowgreen	-0.070210804	0.129754102	-0.109276618	0.018165022
DAP3	yellowgreen	0.117809644	0.010836002	0.102836864	0.026265584
DEDD	yellowgreen	0.19752045	1.71E-05	0.165974494	0.000315607
DUSP12	yellowgreen	0.004898868	0.915913723	-0.022885696	0.621798319
ENSA	yellowgreen	0.092832134	0.044955076	0.083177217	0.072531017
EPRS	yellowgreen	0.166905662	0.000291614	0.137927114	0.002817941
FAM189E	yellowgreen	-0.043173169	0.351898139	-0.074290913	0.108856533
FH	yellowgreen	0.310592992	6.67E-12	0.319770241	1.46E-12
FLVCR1	yellowgreen	0.219727059	1.63E-06	0.18417569	6.24E-05
GALNT2	yellowgreen	0.082668854	0.074300693	0.076991268	0.096552114
GBA	yellowgreen	0.091852067	0.047276383	0.081548653	0.078324497
GGPS1	yellowgreen	0.212717387	3.52E-06	0.198172326	1.60E-05
GLMP	yellowgreen	-0.105970407	0.022000746	-0.135602399	0.003323541
GLRX2	yellowgreen	0.25134472	3.68E-08	0.251827191	3.46E-08
GNPAT	yellowgreen	0.273652387	1.82E-09	0.270087397	3.00E-09
HAX1	yellowgreen	0.142903447	0.00196285	0.132327371	0.004175865
HSD17B7	yellowgreen	0.244484747	8.77E-08	0.219902095	1.60E-06
IARS2	yellowgreen	0.222281575	1.23E-06	0.196455334	1.90E-05
INTS7	yellowgreen	0.259777295	1.22E-08	0.248282064	5.44E-08
ISG20L2	yellowgreen	0.072970451	0.115307538	0.040466204	0.382937906
JTB	yellowgreen	0.174170166	0.000155128	0.180830817	8.50E-05
LHX4-AS	yellowgreen	0.112313583	0.015169786	0.102118068	0.027338701
LIN9	yellowgreen	-0.042702267	0.357180572	-0.066677984	0.150245965
MARC1	yellowgreen	0.140600791	0.002323654	0.127771419	0.005690437
METTL1	yellowgreen	0.149825557	0.001164527	0.142260899	0.002057993

METTL1	yellowgreen	-0.011912024	0.797379296	-0.046413623	0.31689531
MPC2	yellowgreen	0.239285663	1.66E-07	0.231922205	4.03E-07
MRPL9	yellowgreen	0.006032477	0.896554763	-0.027001749	0.560529584
MRPS14	yellowgreen	0.130839858	0.004624633	0.12224234	0.008180583
NDUFS2	yellowgreen	0.24602987	7.22E-08	0.235871615	2.52E-07
NSL1	yellowgreen	0.092393806	0.045981143	0.057385461	0.215787608
NTPCR	yellowgreen	0.261843143	9.26E-09	0.251963533	3.40E-08
NUP133	yellowgreen	0.087207272	0.059686351	0.056119719	0.226101913
NVL	yellowgreen	0.127234613	0.005898104	0.09760065	0.034983289
PAK1IP1	yellowgreen	0.129888487	0.004934023	0.102497193	0.026768083
PARP1	yellowgreen	0.154130462	0.000832216	0.132228866	0.004204319
PEX11B	yellowgreen	0.185100346	5.72E-05	0.178948371	0.000101002
PEX19	yellowgreen	-0.011924661	0.797169025	-0.035298392	0.446658501
PIGC	yellowgreen	0.065278043	0.159014908	0.033351149	0.472145267
PIGM	yellowgreen	0.13782569	0.00283845	0.108929417	0.018538335
POLR3C	yellowgreen	-0.0933013	0.043878211	-0.133091501	0.003960991
PRCC	yellowgreen	-0.000402305	0.993081966	-0.017170603	0.711313399
PRPF3	yellowgreen	-0.043822898	0.344691113	-0.066427906	0.151784834
PYGO2	yellowgreen	0.116416809	0.011815339	0.094853465	0.040469062
RAB4A	yellowgreen	0.179034185	0.000100216	0.182282846	7.44E-05
RABIF	yellowgreen	0.33885938	5.19E-14	0.343115192	2.39E-14
RBM34	yellowgreen	0.153058881	0.000905546	0.146984262	0.001446738
RFWD2	yellowgreen	0.014748723	0.750571626	-0.006107222	0.895280339
RNPEP	yellowgreen	0.359021692	1.18E-15	0.350683175	5.84E-15
RRP15	yellowgreen	0.028674791	0.536487067	0.001093181	0.981203156
SCAMP3	yellowgreen	0.153568365	0.000869967	0.144096797	0.001796753
SCCPDH	yellowgreen	0.108774601	0.018706941	0.085891909	0.063654225
SDHC	yellowgreen	0.099108476	0.032250921	0.071040309	0.125271621
SH3BP5L	yellowgreen	0.176553552	0.000125412	0.17635991	0.00012761
SLC25A4	yellowgreen	0.102696706	0.026471937	0.08642414	0.062023306
SMYD2	yellowgreen	0.31101048	6.23E-12	0.309609041	7.83E-12
SNAP47	yellowgreen	0.023219263	0.616726381	0.006194752	0.893788294
SNAPIN	yellowgreen	0.113793387	0.013874258	0.094040252	0.042226179
SRP9	yellowgreen	0.264056284	6.87E-09	0.254723504	2.37E-08
STX6	yellowgreen	0.367919018	2.04E-16	0.355886285	2.17E-15
TARS2	yellowgreen	0.026360639	0.569878584	0.013717218	0.767496567
TATDN3	yellowgreen	0.272247602	2.22E-09	0.24261361	1.11E-07
TBCE	yellowgreen	0.168725772	0.000249556	0.137927929	0.002817777
TFB2M	yellowgreen	0.083549195	0.071258031	0.055461018	0.231606184
TIMM17A	yellowgreen	0.162583249	0.000419448	0.153639429	0.000865109
TIPRL	yellowgreen	0.111332005	0.01608663	0.094332548	0.041587346
TMEM18	yellowgreen	0.242175644	1.17E-07	0.224689768	9.32E-07
TOMM20	yellowgreen	0.136516354	0.00311568	0.098531001	0.033275043
TOR3A	yellowgreen	0.36419493	4.29E-16	0.348654394	8.55E-15
TPM3	yellowgreen	0.164431841	0.000359448	0.139090552	0.002592147



TSEN15	yellowgreer	0.154051249	0.000837443	0.119480062	0.009756843
TSNAX	yellowgreer	0.030402549	0.512213201	0.019285209	0.677645163
TTC13	yellowgreer	0.044115635	0.341474853	0.018310287	0.693092866
UBE2Q1	yellowgreer	0.07918156	0.08740896	0.050512857	0.275994201
UBQLN4	yellowgreer	0.006154414	0.894475855	-0.041920703	0.366057115
UCHL5	yellowgreer	0.161848973	0.00044577	0.133520428	0.003844811
USP21	yellowgreer	0.03650867	0.431219178	0.006724177	0.884771738
VPS45	yellowgreer	0.138675818	0.002670673	0.123697469	0.007445191
VPS72	yellowgreer	0.008773841	0.850014594	-0.0081688	0.860247506

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-0.141786773	0.002130881	-0.137262947	0.002954728	-0.139227756
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-0.099225156	0.032047297	-0.082603259	0.07453158	-0.083019002
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-0.081341523	0.079087538	-0.079264968	0.087075048	-0.082888137
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-0.039523154	0.39413272	-0.022980416	0.620356246	-0.016585991
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-0.043603358	0.347115763	-0.032285619	0.486422697	-0.036026459
-0.066179637	0.153324379	-0.046535467	0.315625182	-0.033920021
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-0.037249114	0.421927556	-0.009901875	0.831004765	0.010369741
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0.015520757	-0.11467889	0.013146487	0.021545807	0.6423505	-0.20383
2.27E-05	-0.199187612	1.45E-05	0.134403791	0.00361521	-0.17311
1.82E-06	-0.233487698	3.35E-07	-0.26576449	5.44E-09	-0.04209
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3.43E-05	0.186344898	5.08E-05	-0.29140719	1.36E-10	-0.27195
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0.575932591	0.0228021	0.623072223	-0.15111685	0.00105385	-0.22305
0.823148369	-0.000195979	0.996629904	-0.29037225	1.59E-10	-0.21688
1.97E-06	0.208741134	5.39E-06	-0.10188289	0.02769789	-0.00484
0.322907699	-0.039715417	0.391834516	-0.26989976	3.08E-09	0.097756
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0.697239113	0.018966809	0.682675767	-0.34121693	3.38E-14	-0.07184
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9.72E-05	0.181291548	8.15E-05	-0.30941371	8.08E-12	-0.19402
0.017163165	0.112986987	0.014567626	0.253225456	2.89E-08	0.213413
0.584983654	0.015732706	0.73453704	-0.27873351	8.83E-10	-0.24486
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0.609804965	-0.032837453	0.478999579	-0.26642057	4.98E-09	-0.0229
0.214956903	-0.070854792	0.126263524	-0.33947368	4.64E-14	-0.24586
0.802086105	0.012004335	0.795843587	0.34831951	9.11E-15	0.314626
0.134660315	0.057689588	0.213360466	-0.10112274	0.02888679	-0.35104
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0.861791214	0.022754234	0.623802159	0.174131211	0.00015566	0.351801
0.087555733	0.074473656	0.107986625	-0.40736344	4.28E-20	-0.38157
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2.48E-05	0.194739237	2.26E-05	-0.2374858	2.07E-07	0.075189
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0.719093507	-0.01443386	0.755725638	-0.22541714	8.58E-07	0.184534
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2.19E-07	-0.241824567	1.22E-07	0.197134206	1.78E-05	0.304131
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9.20E-05	-0.18560979	5.45E-05	-0.1175102	0.01104026	-0.52952
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0.27242996	-0.059340358	0.200528422	-0.09639021	0.03731705	-0.48666
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0.441880295	-0.045954329	0.321713119	-0.38608681	4.76E-18	-0.41257
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5.34E-05	-0.181249438	8.18E-05	0.349131287	7.82E-15	0.538547
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0.773747381	-0.015766321	0.73399126	-0.30208196	2.61E-11	-0.25729
6.68E-05	-0.175408402	0.000138951	-0.04183572	0.36703055	-0.49419
0.037086749	-0.096300943	0.037494271	-0.33762198	6.49E-14	-0.24813
0.955104627	0.004717587	0.919014435	-0.24201256	1.19E-07	-0.43458
0.003413029	-0.150185316	0.001132662	-0.13099633	0.00457546	-0.19399
1.45E-05	-0.200273189	1.30E-05	-0.36884909	1.69E-16	-0.42163
0.524271925	0.02525688	0.586145661	-0.17019959	0.00021973	-0.6004
9.58E-05	-0.17120456	0.000201341	-0.20650369	6.82E-06	-0.22064
1.56E-06	-0.235259317	2.71E-07	-0.15625575	0.00070276	-0.3967
0.166804978	0.052635918	0.256287131	0.059074748	0.20255431	-0.26184
0.521631732	-0.032409258	0.484754178	-0.27878999	8.76E-10	-0.10665
0.182074544	-0.077785729	0.093151342	-0.37087	1.13E-16	0.095618
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0.252148823	0.051734174	0.264535129	-0.45987274	8.14E-26	-0.16493
0.540191186	-0.042697	0.357239935	-0.24986299	4.45E-08	-0.44966
2.73E-16	0.371862892	9.21E-17	0.174030154	0.00015706	0.280498
1.97E-07	0.241094497	1.33E-07	0.120096614	0.00938333	0.396868
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2.18E-08	0.254353144	2.49E-08	-0.26831818	3.83E-09	-0.51233
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0.024411262	0.107272958	0.020412946	-0.38530203	5.62E-18	-0.56183
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0.751184112	-0.019029988	0.681676446	0.108933544	0.01853386	0.427442
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4.13E-05	0.189874456	3.63E-05	-0.13295042	0.00399989	-0.41542
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4.25E-05	-0.189847748	3.64E-05	0.08717987	0.05976687	-0.21774
7.74E-08	0.261328642	9.92E-09	0.17585868	0.00013347	0.080854
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5.56E-13	0.341520682	3.20E-14	-0.05375274	0.246321	-0.07394
0.159881373	0.063700412	0.169353406	-0.07670638	0.09779544	-0.04855
0.207037759	0.065332345	0.158667726	0.040231601	0.38570453	0.137089
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0.640682895	0.019823175	0.669178043	-0.08891168	0.05485128	-0.03225
0.100789794	0.092061234	0.046772709	0.079712037	0.08530271	-0.03546
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6.52E-09	0.270324708	2.90E-09	0.072837831	0.11597166	0.003147
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0.215547572	0.061531318	0.184377224	0.160339052	0.00050479	0.099697
0.703539759	-0.002784661	0.952142985	0.037217405	0.42232305	0.264948
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3.42E-06	-0.220443755	1.51E-06	0.076972153	0.09663514	-0.00956
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2.02E-06	0.206999828	6.47E-06	0.069844708	0.13177147	-0.07048
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0.541939254	0.009457297	0.838485756	-0.10179038	0.02784031	0.150718
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3.28E-08	0.234715547	2.89E-07	-0.18365528	6.55E-05	-0.01657
0.612580623	0.015634859	0.736126501	-0.0839057	0.07005517	0.111265
5.91E-05	0.180794753	8.53E-05	-0.08763165	0.05845069	-0.05197
4.61E-05	0.16969525	0.000229539	-0.04021776	0.38586814	-0.04273
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0.575603223	0.016234548	0.726402945	-0.17610744	0.00013053	-0.01683
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0.038044364	0.089187885	0.054099253	-0.165312	0.00033379	0.13096
6.75E-09	0.252615316	3.12E-08	-0.10710433	0.02061272	0.114079
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0.329361992	0.02711857	0.558834044	-0.03795937	0.41312566	-0.11648
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2.06E-05	0.200490503	1.27E-05	-0.25584966	2.05E-08	0.050792
4.03E-09	0.281268627	6.12E-10	0.020031577	0.66590914	0.422344
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2.48E-09	0.275492891	1.40E-09	-0.08257283	0.07463889	0.326554
0.222084433	-0.040264495	0.38531589	-0.03566673	0.44192672	0.337571
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9.53E-06	0.208923743	5.29E-06	-0.24972416	4.53E-08	0.378574
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5.32E-06	0.208730331	5.39E-06	-0.04999221	0.28098032	0.13139
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1.24E-17	0.389624374	2.22E-18	-0.0987891	0.03281395	-0.29535
6.14E-06	0.213996525	3.07E-06	-0.066415	0.15186456	-0.51031
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0.002684166	0.148230735	0.001315977	-0.12381139	0.00739019	-0.62966
9.73E-07	0.225890279	8.12E-07	-0.22614138	7.89E-07	-0.41917
2.44E-08	0.257859557	1.57E-08	0.246669678	6.67E-08	-0.17179
1.62E-07	0.246192271	7.08E-08	-0.29701041	5.77E-11	-0.24499
1.70E-26	0.458863575	1.07E-25	-0.13026312	0.00481003	-0.11889
2.49E-09	0.271704523	2.39E-09	-0.26188889	9.20E-09	-0.38544
0.000510856	0.165681378	0.000323533	-0.13096387	0.00458562	-0.43302
0.415537001	0.045954393	0.321712437	-0.15245761	0.00094926	-0.2698
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0.023146321	0.100574709	0.029770848	-0.28811685	2.23E-10	-0.49722
5.57E-16	0.369050377	1.63E-16	-0.02429608	0.60047819	-0.1225
8.54E-07	0.228917287	5.73E-07	-0.33331913	1.40E-13	-0.33926
3.30E-07	-0.23241742	3.80E-07	0.034426505	0.45797265	0.424883
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1.52E-08	0.256379594	1.91E-08	0.08727685	0.05948229	-0.4337
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3.99E-06	0.218683433	1.83E-06	-0.24135631	1.29E-07	-0.44139
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0.710239154	0.018073892	0.696858099	-0.06302831	0.17390739	-0.57004
0.008484252	-0.127904281	0.005640064	0.052125495	0.26093369	0.647256
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0.000165582	0.174399562	0.000152004	-0.31224648	5.09E-12	-0.49272
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2.16E-10	0.296104161	6.63E-11	-0.25352039	2.78E-08	-0.1926
4.76E-12	0.315253949	3.10E-12	-0.05398096	0.24431821	-0.2452
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1.29E-18	0.397255941	4.18E-19	-0.18064303	8.65E-05	-0.26041
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6.81E-16	0.363045958	5.38E-16	0.094279823	0.04170197	-0.35072
9.17E-18	0.39240973	1.22E-18	-0.19320164	2.63E-05	-0.00759
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5.92E-11	0.296582519	6.16E-11	-0.30098949	3.10E-11	-0.38803
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5.30E-11	0.293693741	9.60E-11	-0.26559884	5.57E-09	-0.15999
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8.76E-07	-0.235785855	2.54E-07	-0.10133868	0.02854468	-0.38515
0.021183341	-0.116326579	0.0118814	-0.29249046	1.15E-10	-0.28915
2.13E-15	-0.362940015	5.50E-16	-0.11230007	0.01518209	-0.22976
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0.41172947	-0.049465873	0.286082524	-0.15243798	0.00095072	-0.35188
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6.36E-05	-0.194457424	2.32E-05	-0.27668223	1.18E-09	-0.33951
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9.25E-05	-0.189252749	3.85E-05	-0.1324012	0.00415465	0.122215
9.71E-23	-0.439822951	1.63E-23	0.030429924	0.51183326	-0.06045
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3.45E-20	-0.411548783	1.63E-20	-0.17616042	0.00012991	-0.10122
1.57E-05	-0.203869525	8.97E-06	-0.23994604	1.54E-07	0.073878
2.06E-08	-0.266688322	4.80E-09	-0.03461359	0.45553145	-0.12397
0.62705283	-0.022048737	0.634603036	-0.08602917	0.06323026	-0.20957
0.00788052	0.105089104	0.023134835	0.066085342	0.15391221	-0.11801
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9.14E-08	-0.243669667	9.70E-08	-0.06984539	0.1317677	0.185849
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5.30E-13	-0.323574409	7.64E-13	0.311809317	5.47E-12	0.301154
0.487911933	-0.029565461	0.523902042	0.052507382	0.25745181	0.207346
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2.59E-06	0.212711613	3.52E-06	-0.01422278	0.75918689	0.492588
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0.310341687	-0.058594746	0.206253052	-0.30262663	2.40E-11	0.272019
0.977930736	-0.002639991	0.954626537	-0.24934844	4.75E-08	0.58933
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2.66E-05	-0.194744969	2.26E-05	0.307869571	1.04E-11	0.220869
0.034854187	0.089847047	0.052339178	-0.27880549	8.74E-10	0.099539
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5.57E-10	0.27318182	1.95E-09	-0.18404192	6.31E-05	0.098339
1.70E-05	-0.191153814	3.21E-05	-0.04133576	0.37278956	-0.02247
2.90E-05	-0.189753282	3.67E-05	0.284052223	4.07E-10	0.52116
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2.05E-05	0.205281401	7.75E-06	-0.07701603	0.09644466	0.512916
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0.000741524	-0.148165783	0.001322513	-0.10686775	0.02089586	0.20656
0.000129568	0.173942835	0.000158284	-0.12550422	0.00661466	-0.05912
1.32E-12	-0.314689331	3.41E-12	-0.16871288	0.00024983	0.058641
8.69E-10	-0.281829237	5.64E-10	0.060900731	0.18892409	0.182239
0.955508195	-0.005148199	0.911651154	-0.17234	0.0001823	0.091202
0.000713321	-0.162996216	0.000405287	-0.04536836	0.32792848	0.184815
2.43E-18	0.388669175	2.73E-18	0.000197397	0.99660553	0.082572
0.005443157	-0.130425989	0.004757007	0.109167134	0.01828202	-0.01379
0.709611774	-0.013566315	0.769982095	0.052793924	0.25486043	-0.02876
0.00384612	0.120393787	0.009207879	-0.08101537	0.08030126	-0.12033
0.162449958	-0.060959231	0.188498836	-0.00062267	0.98929278	-0.08774
0.018955959	0.105434198	0.022684866	0.151464241	0.00102578	0.122849
2.35E-07	0.239541676	1.61E-07	0.052604203	0.25657416	-0.14306
0.001776218	-0.140742155	0.002299869	-0.07350477	0.11266196	0.06205
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0.011008576	-0.112663134	0.014854543	-0.1170611	0.011353	-0.2512
0.103567299	-0.080835472	0.080977135	-0.03067276	0.50846928	-0.13188
0.489071756	-0.031383685	0.49868754	-0.04758504	0.30482231	-0.15099
4.84E-07	-0.235054765	2.77E-07	-0.20383046	9.01E-06	0.100712
0.000204391	-0.173360647	0.000166643	-0.25784467	1.58E-08	-0.14419
0.02246126	-0.106059288	0.021889092	-0.26119738	1.01E-08	0.004134

2.46E-10	-0.285681192	3.20E-10	0.082672235	0.07428881	0.299724
6.26E-05	0.198401092	1.57E-05	0.006448174	0.88947052	0.289008
0.002695685	-0.127036062	0.005976624	0.088108637	0.05708719	-0.06096
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4.67E-08	-0.254641938	2.40E-08	-0.02783859	0.54843884	0.009352
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2.14E-08	-0.26314042	7.77E-09	0.014852071	0.74888231	-0.05137
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2.25E-10	-0.286776772	2.72E-10	0.217216051	2.16E-06	0.32752
4.91E-09	0.273508739	1.86E-09	0.10200526	0.02751049	-0.11372
4.06E-17	-0.380424696	1.57E-17	0.041848715	0.36688156	0.253602
0.047051221	0.101163265	0.028822317	-0.13013886	0.00485084	0.008266
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0.004674367	-0.14202745	0.002093592	0.060612461	0.1910299	0.034364
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1.20E-10	-0.305386617	1.55E-11	0.038915767	0.40144635	-0.17765
0.903361883	-0.006185723	0.893942172	0.090251627	0.05128271	-0.02621
0.251445642	0.048496856	0.295638275	-0.03293671	0.47767092	0.356759
0.455148732	0.044313904	0.33930742	0.060356512	0.19291399	-0.06677

0.000830867	0.137820624	0.002839478	-0.08094494	0.08056531	-0.02065
3.86E-09	-0.281424078	5.98E-10	-0.04602161	0.32100444	-0.29122
4.47E-09	0.259790608	1.22E-08	-0.22786318	6.47E-07	0.036814
0.011353023	0.114342234	0.013419113	-0.1610175	0.00047743	-0.23172
4.90E-14	-0.343366084	2.28E-14	0.141309654	0.0022066	0.039816
0.4870968	0.040569551	0.381723004	-0.04393565	0.34345006	-0.02372
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7.59E-13	-0.338957705	5.10E-14	-0.17873526	0.00010298	-0.01583
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0.11508078	0.06309724	0.17343617	0.225915072	8.10E-07	0.139623
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0.840767329	0.005203729	0.910702151	0.020195445	0.6633432	-0.09657
0.293405042	-0.051579473	0.265968263	0.109429421	0.01800282	0.397731
0.054034585	-0.082812498	0.073797123	-0.03735869	0.42056248	-0.06504
0.241353303	0.0462831	0.318259618	0.079740515	0.0851908	0.014978
3.00E-05	0.190431587	3.44E-05	0.151549842	0.00101896	0.175666
0.325829277	-0.044024704	0.342471845	-0.15482701	0.00078754	-0.06931
0.64434377	0.014752387	0.750511701	0.005228191	0.91028415	-0.0691
1.21E-05	-0.201899174	1.10E-05	0.111740032	0.01569978	0.133243
7.32E-05	0.155166284	0.000766589	0.078791954	0.08898237	0.139223
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0.763547008	-0.008393981	0.856436245	0.039864388	0.39005938	0.10052
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4.78E-14	-0.323128719	8.24E-13	-0.03392409	0.46456438	0.173312
1.74E-06	-0.230271748	4.89E-07	-0.0756611	0.10246697	0.130199
4.99E-06	-0.20929402	5.08E-06	0.041207162	0.37427979	-0.17897
7.68E-07	-0.23546835	2.64E-07	0.04324451	0.35110218	-0.19485
0.020274524	-0.106425108	0.021434706	0.006526846	0.88813078	0.071864
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9.28E-08	0.242323724	1.15E-07	0.143972237	0.00181347	0.323553
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0.146274327	0.064812331	0.162016011	0.31748766	2.14E-12	-0.01685
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0.178787357	0.053359907	0.249795161	-0.07685464	0.09714681	0.02945
8.24E-20	-0.401059153	1.79E-19	0.041780572	0.36766302	-0.04466
1.02E-07	0.244204859	9.08E-08	-0.12990729	0.00492773	0.314445
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9.55E-09	0.256926168	1.78E-08	-0.12023812	0.00929942	-0.36602
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2.29E-12	-0.310906383	6.34E-12	-0.04881497	0.29247805	0.015911
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7.27E-13	-0.316285653	2.61E-12	-0.08699553	0.0603109	0.240946
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3.67E-13	-0.332489054	1.62E-13	-0.1598725	0.00052445	-0.06752
4.60E-09	-0.274725577	1.57E-09	0.013517951	0.7707792	0.089064
0.235345219	0.040581336	0.381584615	-0.21036861	4.53E-06	0.136937
0.685981285	0.031670425	0.494770655	-0.25516072	2.24E-08	-0.02282
8.02E-09	-0.257849484	1.58E-08	-0.15669151	0.00067863	0.116041
1.28E-07	-0.238346458	1.87E-07	-0.13615316	0.00319682	-0.17359
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7.67E-08	-0.250454019	4.12E-08	-0.27053869	2.82E-09	-0.07252

0.005627407	0.124709882	0.006968996	-0.21843484	1.88E-06	-0.17325
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0.861683998	-0.007878098	0.865172522	0.159132525	0.00055709	0.015374
5.20E-08	-0.255395078	2.18E-08	0.031758822	0.49356647	-0.31042
3.40E-08	0.253308743	2.85E-08	0.130096454	0.00486484	0.085692
1.19E-16	0.37438031	5.51E-17	0.007705845	0.86809329	0.326714
0.004314054	-0.132828144	0.00403389	0.000967966	0.98335584	0.026636
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2.22E-12	0.310274652	7.03E-12	-0.10470262	0.02364792	0.030293
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0.55087798	-0.04343624	0.348968677	0.103243401	0.02567487	-0.11875
0.068146428	-0.088470649	0.056070051	0.009732461	0.83385377	0.140082
1.05E-06	0.234198679	3.07E-07	0.016870834	0.71613385	-0.0439
6.43E-05	0.181614675	7.91E-05	-0.17743221	0.00011587	0.002887
0.002069088	-0.143593587	0.001865156	0.163542091	0.00038725	0.081608
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1.35E-07	-0.237711816	2.02E-07	0.011541185	0.8035565	-0.05176
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1.41E-05	0.194480695	2.32E-05	0.15327364	0.00089039	0.052374
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1.02E-08	-0.260659588	1.08E-08	-0.15625954	0.00070254	0.033913
0.309368579	-0.045423996	0.327335062	0.107629042	0.01999661	0.0498
0.033227485	0.09726592	0.035615888	-0.03032252	0.5133248	-0.14567
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0.911907744	0.008495421	0.854720414	0.080594367	0.08189018	-0.04186
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9.59E-18	-0.369989856	1.35E-16	-0.1647154	0.00035099	0.024285
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0.049698043	-0.092185976	0.046474477	0.12889089	0.00527837	0.086536
0.660154597	0.019645168	0.671975136	-0.00822819	0.85924204	0.210342
0.210973395	-0.045262686	0.329057608	0.009110243	0.84433586	0.121002
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0.39399727	0.025198436	0.587012954	-0.04966339	0.28416052	-0.02373
0.384253604	0.044913878	0.332802331	-0.10558464	0.02249109	-0.06792
0.086418113	-0.089740098	0.052621462	0.015727003	0.73462966	-0.12298
0.055276718	0.078225695	0.091309649	0.00527897	0.90941649	-0.11665
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8.83E-09	0.263417001	7.49E-09	-0.25681718	1.81E-08	-0.20465
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1.23E-14	-0.344922682	1.71E-14	0.049231819	0.28837133	0.08737
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1.13E-05	-0.210645642	4.40E-06	0.099029884	0.0323887	0.0532
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0.348036695	-0.053300969	0.250319337	-0.01444251	0.75558383	-0.1047
3.10E-07	0.240327386	1.47E-07	-0.19043564	3.44E-05	0.165672
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8.02E-05	-0.171330068	0.000199149	0.122837274	0.00787243	0.162028
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0.904433794	0.014067943	0.761728997	-0.15573576	0.00073258	-0.09105
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7.87E-09	0.265422652	5.70E-09	-0.06541048	0.15816916	0.050651
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0.006173722	-0.12351116	0.007535926	-0.03701679	0.42483024	0.048122
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6.35E-05	0.188830899	4.01E-05	-0.10486682	0.02342875	0.109546
0.032726153	-0.093579544	0.043249882	-0.0825305	0.07478836	0.091268
0.451831033	0.023080675	0.618831443	-0.04691656	0.31167413	-0.02741
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0.590291013	0.018310738	0.693085685	-0.1265675	0.00616566	-0.05013
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2.77E-06	-0.224237417	9.82E-07	0.038765885	0.4032635	0.087162
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0.073299108	-0.09513463	0.039876102	0.156268255	0.00070205	-0.14918
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0.268580762	-0.040681503	0.380409613	-0.32433852	6.70E-13	-0.17603
0.001030092	-0.154425895	0.000812987	-0.3586677	1.27E-15	0.318251
0.012313554	-0.123495902	0.0075434	-0.11512208	0.01279504	0.103752
2.06E-10	-0.282668748	4.99E-10	-0.06431138	0.16529155	0.111738
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7.41E-06	-0.210833663	4.31E-06	-0.01437834	0.75663564	0.014022
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0.004091964	-0.121737739	0.008450338	-0.15358263	0.00086899	0.038877
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0.057079869	0.084880214	0.066851715	-0.10397129	0.0246458	-0.05352
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1.63E-06	-0.219428234	1.69E-06	-0.1155431	0.01246887	0.083725
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9.20E-05	-0.179934234	9.23E-05	0.079899003	0.08457018	-0.01636
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8.05E-05	-0.17935644	9.73E-05	0.018282758	0.69353095	-0.01591
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5.51E-09	0.252422447	3.20E-08	0.053897521	0.2450491	0.177216
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1.62E-09	-0.267029439	4.58E-09	-0.11761388	0.01096915	0.063366
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7.67E-06	-0.211417119	4.05E-06	-0.03067712	0.50840886	0.001806
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5.96E-07	-0.226539656	7.54E-07	0.018493071	0.6901867	0.12929
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0.91902599	-0.00998935	0.829534579	-0.08384839	0.07024743	0.016903
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6.66E-13	-0.325203404	5.78E-13	-0.07163143	0.1221514	0.16064
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3.71E-10	0.27792776	9.91E-10	-0.27952973	7.87E-10	0.141646
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0.444116137	0.038278604	0.409205126	0.122098314	0.00825678	-0.12079
1.11E-15	0.358969663	1.20E-15	0.003296089	0.94336721	0.107101
1.53E-05	0.19926992	1.44E-05	0.252513123	3.16E-08	-0.11004
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1.60E-07	0.224871467	9.13E-07	0.090600402	0.0503863	-0.07757
7.90E-10	-0.287585364	2.41E-10	-0.14393857	0.00181801	0.191709

7.63E-05	-0.186598887	4.96E-05	-0.01073859	0.81696704	0.227504
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4.68E-09	-0.266669098	4.81E-09	-0.07671675	0.09774999	0.003169
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3.10E-07	0.244216775	9.06E-08	0.048317434	0.29743071	0.071712
0.229486865	-0.057714432	0.213163068	0.013327292	0.77392387	-0.00672
3.85E-06	-0.204392296	8.50E-06	-0.02181381	0.63821711	0.262399
0.994285365	-0.008385956	0.856572018	0.084808447	0.06708346	-0.12007
0.475420972	-0.024815983	0.59270303	0.114544153	0.01325501	0.163032
0.535621622	0.044401095	0.338357046	0.111053429	0.01635553	0.049589
1.83E-06	-0.221600022	1.32E-06	-0.18774926	4.45E-05	0.33941
0.257810217	-0.053542929	0.248172307	0.017684275	0.70308004	-0.07207
3.34E-07	-0.230112793	4.98E-07	-0.0850824	0.06620236	-0.15592
4.93E-05	-0.187502047	4.56E-05	-0.05819344	0.20938274	-0.02418
0.176917727	-0.064195697	0.166054982	-0.01983616	0.66897418	-0.2212
0.077853045	-0.087470428	0.058917597	0.196994119	1.80E-05	-0.09883
1.54E-05	-0.206508386	6.82E-06	0.022903663	0.62152466	0.000541
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0.10924178	-0.079877614	0.084653728	-0.09718722	0.03576602	0.068406
7.62E-07	-0.220318304	1.53E-06	0.224297877	9.75E-07	0.231826
2.36E-06	-0.207188711	6.35E-06	0.033488459	0.47032229	0.103778
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0.094507058	0.070034089	0.130724881	-0.12180508	0.00841389	0.174998
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6.60E-06	0.209691454	4.87E-06	0.12292798	0.00782636	0.150528
0.015388465	-0.112713628	0.014809484	-0.0425772	0.35859182	-0.11588
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0.118909322	-0.075721796	0.102190937	-0.02989136	0.51933516	0.050619
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0.64015893	-0.024349069	0.599683653	0.00017861	0.99692859	0.094971
0.217686277	0.03851751	0.406285584	0.219412035	1.69E-06	0.21098
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0.031933239	-0.090267777	0.051240907	0.26332041	7.59E-09	0.24135
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5.97E-08	-0.241573981	1.26E-07	-0.00951253	0.83755552	-0.13459
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0.325285286	-0.046681822	0.314103954	-0.0041044	0.92951152	-0.04949
0.067447571	-0.079749307	0.085156278	-0.05844718	0.20739989	0.054754
0.591375418	-0.019788981	0.669714992	0.009846283	0.8319394	-0.0351
0.052085708	0.086889983	0.060624251	0.006710625	0.88500237	-0.04624
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0.050838123	-0.103135437	0.025830615	0.105401332	0.02272739	0.354683
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0.002270581	0.140403552	0.002357216	0.100969245	0.0291321	0.192472
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0.947763578	0.014569357	0.753506329	-0.03408093	0.46250099	-0.03205
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0.689874683	0.018528933	0.689617044	-0.05834703	0.20818087	0.111681
3.77E-05	-0.190542945	3.40E-05	-0.07058042	0.12774169	0.172271
0.002590144	-0.138343213	0.002735208	0.033851001	0.46552771	-0.096
0.225391941	0.051183498	0.269660763	-0.19630767	1.93E-05	0.45261
0.292463055	-0.067906958	0.142855246	0.011644332	0.80183709	0.131256
0.777202931	0.000266368	0.995419494	-0.05878036	0.20481702	0.019668
0.259210354	-0.052542375	0.257134375	0.060356285	0.19291567	0.074559
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0.18958042	0.051927354	0.262752994	-0.24360011	9.79E-08	-0.05174
0.11178101	-0.07194227	0.120535135	-0.13609304	0.00321044	-0.03409
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1.93E-18	-0.390384186	1.89E-18	-0.07667759	0.0979218	-0.01621
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0.525884679	-0.027304352	0.556142738	-0.22299025	1.13E-06	0.149492
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1.13E-09	0.266808516	4.72E-09	0.048304602	0.29755918	-0.15387
0.126059385	-0.084385314	0.068463219	0.060372667	0.19279468	-0.04794
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2.30E-12	-0.313337539	4.26E-12	-0.06276455	0.17571924	0.218616
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4.39E-13	-0.320237181	1.35E-12	-0.03431077	0.45948649	0.195131
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0.118229157	-0.07733728	0.095058996	-0.0248513	0.59217655	0.03954
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3.61E-10	-0.290568062	1.54E-10	-0.01042401	0.82223813	-0.06263
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0.007460315	0.132978347	0.003992166	0.009015312	0.84593757	0.190599
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4.54E-05	-0.186292679	5.11E-05	-0.00670577	0.88508503	0.110536
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2.75E-15	-0.350313998	6.26E-15	0.107593757	0.02003754	-0.00694
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0.539692983	-0.022715616	0.624391325	0.072064991	0.11990163	0.161795
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9.79E-06	-0.206674502	6.70E-06	0.119986601	0.00944903	0.077308
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0.073185373	0.07685067	0.097164143	-0.07236345	0.11837177	0.161605
5.23E-05	0.17215765	0.000185243	-0.33750545	6.63E-14	-0.15954
9.21E-06	-0.20292193	9.89E-06	-0.06038377	0.19271273	0.322338
1.47E-07	-0.236247328	2.40E-07	-0.02249217	0.62780504	0.035742
1.44E-05	0.199727778	1.37E-05	-0.09072619	0.05006622	0.118974
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7.51E-12	-0.310016587	7.33E-12	-0.02961866	0.52315522	0.187237
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6.30E-06	-0.206552775	6.79E-06	0.095480914	0.03915592	0.162603
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4.99E-11	-0.299215437	4.10E-11	-0.0544232	0.2404697	0.133854
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3.52E-08	0.252227879	3.28E-08	0.044192635	0.34063206	0.373199
2.92E-20	0.413484723	1.03E-20	0.030123589	0.51609339	0.266969
1.03E-09	0.267884672	4.07E-09	0.160361575	0.00050386	0.361711
0.932032015	-0.001151871	0.980194204	0.056122152	0.22608176	0.321746
0.584969789	0.027606677	0.551776663	-0.02331678	0.61524698	0.343578
0.133396439	-0.065761761	0.155942368	0.246045758	7.21E-08	0.287746
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4.30E-10	0.286977957	2.64E-10	0.002318977	0.9601389	0.038183

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0.555956105	-0.029371093	0.526635506	-0.00811921	0.8610873	-0.23923
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0.230212168	-0.049073728	0.289924223	-0.3133018	4.28E-12	-0.35309
1.96E-05	0.197513421	1.71E-05	0.155665853	0.00073668	-0.30676
0.235493201	0.064327328	0.165186518	-0.37330486	6.87E-17	-0.15397
0.068172711	0.081802644	0.077396986	-0.29583196	6.92E-11	-0.27828
0.012866773	0.110894503	0.016510685	0.242984073	1.06E-07	-0.04158
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0.028282645	0.103053222	0.025949764	0.139638373	0.00249165	-0.052
0.101308552	0.072718915	0.116569706	-0.02423396	0.60141031	-0.31616
0.163363208	-0.057407461	0.215611372	0.263944281	6.97E-09	0.17772
3.03E-11	0.300491185	3.35E-11	0.300987644	3.10E-11	-0.13795
0.557217874	-0.018650865	0.687681518	0.030596958	0.50951808	-0.20392
0.223971236	0.051360048	0.268010115	0.165136995	0.00033875	0.012989
0.213993176	-0.050320557	0.277828761	-0.11610793	0.01204283	0.08125
0.224215477	0.061310399	0.185960891	-0.10672103	0.02107316	-0.3654
5.44E-07	-0.244526123	8.72E-08	-0.0413475	0.37265368	0.003648
0.410248938	0.029384201	0.526450943	-0.00442988	0.92393808	-0.21131
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2.24E-07	0.234372428	3.01E-07	-0.00917574	0.84323112	-0.22981
0.015453797	-0.117471897	0.011066632	-0.06855949	0.13904584	-0.23827
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0.278989188	0.041196784	0.374400218	-0.22181816	1.29E-06	-0.30214
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0.001859089	-0.14651589	0.001498884	0.071283535	0.12398035	-0.2863
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0.166164572	0.054728671	0.23783646	-0.1037047	0.02501849	-0.24107
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0.004452459	-0.132699946	0.004069814	-0.16106534	0.00047555	-0.35139
0.071240553	-0.081461824	0.078643634	-0.16273651	0.00041414	-0.06013
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3.47E-05	-0.186830815	4.86E-05	-0.1290677	0.00521581	-0.36271
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0.00180764	-0.145563374	0.001610293	0.088801768	0.05515293	-0.25373
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1.76E-09	0.272439774	2.16E-09	0.147588743	0.0013819	-0.14022
4.05E-05	0.185437448	5.54E-05	-0.1764451	0.00012664	-0.13721
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0.199143638	-0.0639892	0.16742428	-0.08684382	0.06076171	-0.16353
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0.024372463	0.107646862	0.019975974	0.162644314	0.00041733	0.344984
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0.100739583	0.068217026	0.14103526	-0.12048045	0.00915726	-0.03974
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4.37E-08	0.237647647	2.03E-07	-0.28543717	3.32E-10	0.070439
9.27E-22	0.420006823	2.21E-21	-0.29260864	1.13E-10	-0.03328
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0.002426178	0.131633275	0.004380123	-0.16322548	0.00039762	0.026538
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0.263723226	-0.059036702	0.202845711	-0.10984654	0.01756645	0.287478
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4.88E-13	0.337583235	6.54E-14	-0.18073427	8.58E-05	0.186733
0.583365598	-0.023233226	0.616514479	-0.36273574	5.72E-16	-0.07229
0.129939306	0.070293216	0.129303284	-0.2309149	4.53E-07	0.392694
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3.62E-06	0.204024834	8.83E-06	-0.42601474	5.16E-22	0.064467
0.042115449	-0.09358535	0.043236851	-0.33704811	7.20E-14	-0.0597
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0.000321918	0.174518678	0.000150405	0.221669036	1.31E-06	0.413809
1.14E-09	0.274359385	1.65E-09	0.210252962	4.59E-06	0.356685
1.27E-06	0.229470656	5.37E-07	0.45492267	3.11E-25	0.335583
0.000829484	0.155763279	0.000730974	0.4080239	3.68E-20	0.467888

0.001642911	0.146879289	0.001458278	0.330161307	2.44E-13	0.496224
3.96E-12	0.316828451	2.39E-12	0.112859421	0.01468006	0.484291
1.77E-14	0.340123817	4.13E-14	0.269866176	3.09E-09	0.518356
2.52E-08	0.251979301	3.39E-08	0.141718999	0.00214149	0.317175
3.87E-07	0.238754276	1.78E-07	0.564608031	1.13E-40	0.346394
9.31E-19	0.398095456	3.47E-19	0.118119617	0.0106281	0.277285
5.67E-10	0.279339504	8.09E-10	-0.03822821	0.40982249	0.511166
2.26E-11	0.301690453	2.78E-11	-0.00463969	0.92034717	0.417646
8.58E-07	0.221760005	1.30E-06	0.277760164	1.02E-09	0.282609
7.05E-11	0.303148513	2.21E-11	0.295674528	7.09E-11	0.455804
4.85E-16	0.363538871	4.88E-16	0.245440777	7.78E-08	0.423316
1.64E-05	0.197369202	1.74E-05	0.156546192	0.00068659	0.264596
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2.95E-13	0.337017594	7.24E-14	0.304496337	1.78E-11	0.49548
3.15E-09	0.266648087	4.82E-09	0.235157143	2.74E-07	0.331324
3.63E-18	0.377653238	2.81E-17	-0.26568733	5.50E-09	0.358175
4.77E-10	0.282871119	4.84E-10	0.254350468	2.49E-08	0.360361
8.97E-11	0.297927967	5.00E-11	0.258197263	1.50E-08	0.362384
0.034311765	0.097821128	0.034571856	0.272304769	2.20E-09	0.237923
1.10E-06	0.228750917	5.84E-07	0.250273135	4.22E-08	0.497579
0.000191562	0.172430504	0.000180861	0.228479659	6.02E-07	0.528428
7.00E-12	0.304935467	1.66E-11	0.303346787	2.14E-11	0.299502
1.36E-15	0.367569446	2.19E-16	0.053079465	0.25229615	0.316581
1.88E-13	0.325203742	5.78E-13	0.029221362	0.52874616	0.49038
2.08E-16	0.376161242	3.82E-17	0.232993411	3.55E-07	0.220923
7.99E-07	0.222676255	1.17E-06	0.172936419	0.00017299	0.432946
4.53E-15	0.35905549	1.18E-15	-0.12274012	0.00792203	0.348715
9.19E-14	0.342218807	2.82E-14	0.192785516	2.74E-05	0.486854
2.35E-08	0.251189969	3.75E-08	0.308728836	9.03E-12	0.239403
2.80E-25	0.455157053	2.92E-25	0.295317678	7.49E-11	0.280576
2.18E-11	0.31506915	3.20E-12	0.153492615	0.00087517	0.226492
2.96E-06	0.21277854	3.50E-06	0.214158871	3.01E-06	0.380126
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1.41E-13	0.339009561	5.05E-14	0.062627578	0.17666566	0.563979
3.45E-17	0.380086128	1.69E-17	0.351296849	5.20E-15	0.529686
5.03E-11	0.298442873	4.62E-11	0.404390678	8.43E-20	0.472754
2.22E-08	0.253232474	2.88E-08	0.408430245	3.35E-20	0.432775
3.84E-06	0.216911802	2.23E-06	0.306527753	1.29E-11	0.398732
1.14E-08	0.258826606	1.38E-08	0.086924166	0.06052263	0.472586
6.80E-11	0.306587298	1.28E-11	-0.00902521	0.8457706	0.433703
6.06E-11	0.292768066	1.11E-10	0.075989429	0.10098091	0.112197
9.63E-15	0.342804153	2.53E-14	0.065695234	0.15636226	0.017994
1.21E-17	0.375705272	4.20E-17	0.385268061	5.66E-18	0.404964
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7.92E-16	0.36165844	7.07E-16	0.231907964	4.03E-07	0.454392



1.47E-17	0.385746405	5.11E-18	0.371241435	1.05E-16	0.249203
2.99E-19	0.401426132	1.65E-19	0.152672231	0.00093344	0.581147
1.97E-09	0.2812241	6.16E-10	0.506490791	8.49E-32	0.338587
8.26E-11	0.301212945	3.00E-11	0.270536107	2.82E-09	0.504172
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2.89E-15	0.354706976	2.72E-15	0.147077025	0.00143661	0.279844
1.11E-06	0.220472883	1.50E-06	0.247871667	5.73E-08	0.289831
5.14E-14	0.339988639	4.23E-14	0.275822245	1.34E-09	0.195716
5.50E-16	0.362916173	5.52E-16	0.111869258	0.01557897	0.313783
4.81E-12	0.316549496	2.50E-12	0.314787498	3.35E-12	0.526008
1.99E-11	0.30657202	1.28E-11	0.236588111	2.31E-07	0.5561
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1.64E-06	0.222981801	1.13E-06	0.205920776	7.25E-06	0.5572
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5.64E-17	0.379719919	1.82E-17	0.05728241	0.2166145	0.331166
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0.145571644	-0.04921295	0.288556375	-0.02929509	0.5277063	0.203047
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0.091236504	-0.05548699	0.231387375	0.033632736	0.468411	0.149043
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0.485507279	-0.011043087	0.811872692	-0.04876118	0.29301086	0.165308
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1.22E-07	-0.219325413	1.71E-06	0.044480466	0.33749341	0.067889
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0.517456003	0.040120918	0.387014014	-0.15949922	0.00054069	0.012859
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8.37E-10	-0.265328072	5.78E-09	0.060791278	0.18972163	0.199867
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0.031448599	-0.089720869	0.05267235	-0.09108044	0.04917396	0.107184
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0.150324335	-0.043699099	0.346057048	0.049548429	0.28527815	0.143196
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4.76E-06	-0.195177291	2.16E-05	-0.00318053	0.94534957	0.090094
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3.33E-08	0.257599257	1.63E-08	0.140203403	0.00239173	0.265282
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3.04E-10	-0.289458886	1.82E-10	-0.29761892	5.25E-11	-0.15177
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1.44E-08	0.258283018	1.49E-08	0.328489613	3.27E-13	0.462376
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1.02E-05	0.20410299	8.76E-06	0.117543776	0.01101719	0.369776
0.597756288	0.038395891	0.407770272	0.460868574	6.20E-26	0.496853
1.04E-08	0.262706115	8.24E-09	0.468597998	7.24E-27	0.068537
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9.30E-10	0.277949081	9.88E-10	0.196006295	1.99E-05	0.346061
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0.737535341	0.018991173	0.682290336	0.382393359	1.04E-17	0.306136
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6.59E-06	-0.201781531	1.11E-05	-0.29260047	1.13E-10	-0.23429
0.010686966	-0.124329773	0.007144488	0.079383052	0.08660407	0.536262
0.740701023	0.017070493	0.712921957	0.145246589	0.001649	0.380521
0.930637683	-0.001960107	0.966303554	0.163743889	0.00038078	0.445072
0.000125129	0.181142818	8.26E-05	0.040312379	0.38475057	0.47585
0.023170526	0.107515048	0.020129084	0.580378191	2.13E-43	0.319361
0.680805405	-0.014360329	0.756930847	0.575174932	1.75E-42	0.453261
0.18649037	0.056410088	0.223705297	0.414425239	8.30E-21	0.524942
1.83E-05	0.201680738	1.12E-05	0.385995504	4.85E-18	0.581494
0.235235206	0.057564189	0.214358849	0.290789759	1.49E-10	0.509443
3.44E-19	0.407290446	4.35E-20	0.257648372	1.62E-08	0.131809

0.969723451	0.002296623	0.960522836	0.414963524	7.31E-21	0.364723
0.811084133	0.01635385	0.724473721	0.480304038	2.52E-28	0.226437
0.000303378	0.168489288	0.00025468	0.253599091	2.75E-08	0.300062
0.066366502	0.087253632	0.059550322	0.482238546	1.43E-28	0.473921
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3.23E-15	0.352658527	4.02E-15	0.234862337	2.84E-07	0.284624
0.000145771	0.184755471	5.91E-05	0.478841439	3.86E-28	0.323712
0.988115324	0.008486571	0.854870085	0.30656312	1.28E-11	0.44538
0.515148653	0.033893342	0.464969529	0.428152889	3.06E-22	0.523039
0.14517574	0.073293119	0.113704154	0.428355115	2.91E-22	0.325779
2.04E-05	0.198120235	1.61E-05	0.151584584	0.00101621	0.131237
0.236784096	-0.051891772	0.263080629	0.461299579	5.50E-26	0.590414
0.00170384	-0.149527585	0.001191543	0.394832113	7.15E-19	0.541159
5.04E-09	0.281651135	5.79E-10	0.395317859	6.42E-19	0.009102
1.10E-05	0.203881565	8.96E-06	0.404397448	8.42E-20	0.417793
0.479996495	-0.021219825	0.647392996	0.385343549	5.57E-18	0.591398
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0.000547579	0.168583412	0.000252629	0.292049396	1.23E-10	0.408225
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0.092231094	0.080656267	0.081654981	0.245257573	7.96E-08	0.243693
2.86E-14	0.338743255	5.30E-14	0.35780764	1.50E-15	0.287524
0.389071366	0.044010735	0.342625171	0.458520337	1.18E-25	0.454933
0.000318264	0.161991289	0.000440551	0.250778301	3.95E-08	0.542957
0.582778887	-0.015148597	0.744042036	0.357701114	1.53E-15	0.638168
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0.450637895	0.039204188	0.397963363	0.353131522	3.67E-15	0.54235
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4.25E-10	-0.282260639	5.30E-10	-0.25907377	1.34E-08	-0.39518
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0.185963334	0.050384818	0.277214788	0.067228054	0.14690284	0.48239
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0.028078395	-0.097298814	0.035553294	-0.28631383	2.92E-10	-0.31536
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0.565974105	0.02191194	0.63670644	0.247714308	5.84E-08	0.146298
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0.012673532	-0.113619541	0.014021231	-0.23570717	2.57E-07	-0.03404
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5.35E-09	-0.269706326	3.16E-09	-0.14547778	0.00162067	-0.16584
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0.391320086	-0.03671157	0.428661353	0.003392298	0.94171706	0.220361
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7.89E-16	-0.361013894	8.02E-16	-0.29686471	5.90E-11	-0.13797
1.99E-12	-0.308967908	8.69E-12	-0.18517746	5.68E-05	-0.12827
0.571355619	-0.023431596	0.613507291	0.196995282	1.80E-05	0.387719
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9.17E-05	-0.17800552	0.000110024	-0.22576314	8.24E-07	-0.09669
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1.44E-07	-0.239218429	1.68E-07	-0.23424398	3.06E-07	-0.17331
4.14E-06	-0.210500453	4.47E-06	-0.1255065	0.00661367	-0.24744
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9.60E-08	-0.252152921	3.31E-08	-0.28712129	2.59E-10	-0.34543
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7.21E-05	-0.188344495	4.20E-05	-0.18556188	5.47E-05	0.066734
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5.59E-05	-0.195111516	2.18E-05	-0.15485331	0.00078589	-0.15062
1.08E-08	-0.258948619	1.36E-08	-0.3445445	1.84E-14	-0.1983
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1.23E-05	-0.199818131	1.36E-05	-0.14388881	0.00182474	0.096677
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1.01E-05	-0.198655722	1.53E-05	-0.12331767	0.0076312	-0.05854
3.48E-11	-0.302117331	2.60E-11	-0.02232974	0.63029154	-0.02447
0.000225306	-0.171896493	0.000189529	0.027124469	0.5587485	-0.1847
1.78E-15	-0.366268901	2.84E-16	-0.17853562	0.00010486	-0.0884
1.97E-11	-0.310553763	6.72E-12	-0.33479427	1.08E-13	-0.02831
0.001799936	-0.150363893	0.001117145	-0.2511859	3.75E-08	-0.22206
1.12E-19	-0.400784279	1.90E-19	0.050806586	0.27320793	0.108552
3.77E-07	-0.240217849	1.49E-07	0.130603778	0.00469973	-0.04647
8.77E-05	-0.187346609	4.62E-05	-0.25531892	2.20E-08	-0.1408
0.051579314	-0.093826791	0.042697924	-0.09430835	0.04163992	-0.04479
2.08E-06	-0.221495989	1.34E-06	-0.23506761	2.77E-07	-0.16503
9.60E-07	-0.22973661	5.20E-07	-0.23175828	4.10E-07	-0.01891
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0.159834563	-0.083305191	0.072090987	-0.14375847	0.00184248	-0.19988
1.05E-09	-0.287916711	2.30E-10	-0.19019784	3.52E-05	-0.10789
0.000106983	-0.185970162	5.27E-05	-0.13186003	0.00431242	-0.08573
0.149284161	-0.074953618	0.105727978	-0.03945008	0.3950084	-0.26929
6.46E-11	-0.290827364	1.48E-10	-0.10373863	0.02497079	0.015909
0.139264355	-0.074664893	0.107082164	-0.19316387	2.64E-05	-0.18583
4.64E-05	-0.195326465	2.13E-05	-0.18806084	4.32E-05	0.071045
2.31E-07	0.235737772	2.56E-07	0.297266704	5.54E-11	0.054402
3.88E-07	-0.236069732	2.46E-07	-0.21046994	4.48E-06	-0.27169
7.36E-11	-0.306495251	1.29E-11	-0.12306652	0.00775648	-0.09006
0.014921348	-0.118367318	0.010464507	-0.29551397	7.27E-11	0.133171

0.106701989	-0.077509163	0.094324172	-0.29420717	8.88E-11	-0.00054
7.35E-11	-0.291461299	1.35E-10	-0.28971287	1.76E-10	-0.17205
5.71E-10	-0.294669453	8.27E-11	-0.04230052	0.36172636	0.012248
6.71E-05	-0.188827657	4.01E-05	-0.14698754	0.00144638	-0.09962
3.83E-05	0.168657492	0.000251025	0.050663719	0.27456074	0.10459
4.31E-19	-0.40387896	9.47E-20	0.002483585	0.95731204	-0.0991
0.002618209	-0.140312386	0.002372878	-0.24792965	5.69E-08	-0.07361
9.64E-08	-0.248573143	5.24E-08	-0.05450731	0.23974266	-0.13569
0.002783733	-0.147398351	0.00140203	-0.0800804	0.08386432	-0.14306
1.65E-11	0.307436568	1.11E-11	0.003320811	0.94294316	0.137257
7.24E-13	0.329398778	2.79E-13	0.173544222	0.00016396	0.104239
9.03E-13	-0.320594611	1.27E-12	0.045440796	0.327156	-0.09287
0.000501746	-0.160934308	0.000480708	-0.01192175	0.7972175	0.003134
0.003534706	-0.146849618	0.001461555	-0.22872825	5.85E-07	0.054168
2.39E-05	-0.205658479	7.45E-06	-0.10090003	0.02924329	-0.13538
9.03E-07	-0.228722703	5.86E-07	0.095714387	0.0386766	-0.03888
9.15E-05	-0.178767209	0.00010268	-0.26746072	4.31E-09	-0.2473
1.49E-07	-0.246378145	6.91E-08	-0.33732905	6.84E-14	-0.26974
1.15E-13	-0.339062269	5.00E-14	0.047999529	0.30062434	-0.00698
1.65E-08	-0.261560926	9.61E-09	-0.16514725	0.00033845	0.10455
0.008863127	-0.122038113	0.008288822	-0.05429825	0.24155273	-0.11219
1.83E-07	-0.244884767	8.34E-08	-0.13266714	0.00407905	-0.01107
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3.64E-07	-0.234683113	2.90E-07	-0.29231493	1.18E-10	-0.10432
1.18E-18	-0.394566775	7.58E-19	-0.06962758	0.13297936	-0.1151
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1.89E-07	-0.244159353	9.13E-08	0.091630347	0.04781524	-0.1726
7.69E-07	-0.233047757	3.52E-07	0.089438254	0.05342501	0.088561
0.0400413	-0.102362476	0.026969659	-0.21072979	4.36E-06	-0.04149
0.458014887	-0.03333584	0.472348752	-0.30446814	1.79E-11	0.018298
9.26E-09	-0.27099255	2.64E-09	-0.071616	0.12223207	-0.12857
3.41E-06	-0.225370207	8.62E-07	-0.00840888	0.85618424	-0.04282
0.277403304	-0.060997154	0.188223541	-0.07999822	0.08418352	-0.00886
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3.33E-07	-0.247759071	5.81E-08	0.029938016	0.51868301	0.108749
1.49E-11	-0.313452213	4.18E-12	-0.05732803	0.21624819	0.083063
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1.15E-26	-0.473639299	1.73E-27	0.104281148	0.02421865	-0.14645
1.10E-08	-0.262648111	8.31E-09	-0.07206259	0.11991401	-0.09363
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9.19E-10	0.293615143	9.72E-11	-0.15033417	0.00111971	0.236207
2.15E-10	0.300763282	3.21E-11	-0.33851087	5.53E-14	-0.01871
5.36E-05	-0.19700066	1.80E-05	0.017301822	0.70920693	0.015918
0.000188923	0.181466701	8.02E-05	0.114425707	0.01335106	-0.22682



1.32E-11	0.306967263	1.20E-11	-0.05908039	0.20251109	-0.22717
2.98E-06	0.230141781	4.96E-07	-0.07210725	0.11968406	-0.22891
1.46E-07	0.24467603	8.56E-08	-0.04261829	0.35812775	0.209915
3.28E-13	0.335528666	9.45E-14	-0.1987852	1.51E-05	0.270584
2.96E-19	0.40491704	7.48E-20	0.178974128	0.00010077	0.179905
1.66E-18	0.397814251	3.70E-19	-0.0183652	0.69221927	-0.06131
2.48E-24	0.448509774	1.72E-24	-0.00829862	0.85804987	0.095411
4.60E-16	0.366162832	2.90E-16	0.026998105	0.56058252	0.157557
5.63E-14	0.360985258	8.07E-16	-0.06370451	0.16932591	-0.02946
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3.96E-10	-0.287560229	2.42E-10	0.006164916	0.89429684	0.217493
7.58E-08	0.260873874	1.05E-08	0.057756254	0.21283106	-0.07323
1.16E-08	0.265886032	5.35E-09	-0.07207718	0.11983887	-0.20887
3.69E-07	0.248543875	5.26E-08	0.06059239	0.19117716	-0.11952
7.14E-25	0.460045652	7.76E-26	-0.0428586	0.35542134	-0.14753
2.15E-10	0.282238968	5.31E-10	-0.02898504	0.53208622	-0.10329
4.96E-08	0.254182486	2.55E-08	-0.05508992	0.23474865	-0.19273
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3.09E-18	0.386638916	4.23E-18	-0.20361702	9.21E-06	-0.15741
7.64E-19	0.400258248	2.14E-19	0.135268434	0.00340258	0.038293
3.87E-14	0.351886002	4.65E-15	-0.04442777	0.3380666	0.090381
3.14E-12	0.333909456	1.26E-13	-0.07633671	0.09942776	0.021397
4.83E-16	-0.362968099	5.46E-16	-0.03799757	0.41265538	0.199755
9.48E-28	-0.468517596	7.41E-27	-0.01493853	0.74747006	-0.00528
3.28E-13	0.332167548	1.72E-13	-0.07462269	0.10728125	-0.22741
3.25E-18	0.401310317	1.69E-19	0.104053735	0.02453151	0.099524
3.34E-15	0.36483662	3.78E-16	0.025178694	0.58730606	-0.13692
1.61E-18	0.382278084	1.07E-17	0.025651916	0.58029904	0.215067
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1.45E-13	0.326432557	4.67E-13	-0.05463661	0.23862795	-0.10913
9.11E-18	-0.383021805	9.12E-18	-0.1910717	3.23E-05	0.317274
5.84E-19	0.404885148	7.54E-20	0.021300815	0.64613867	0.087029
1.54E-15	0.362996547	5.43E-16	-0.19529409	2.14E-05	0.047607
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2.60E-27	0.464355126	2.37E-26	-0.0171468	0.7116958	-0.08651
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5.91E-10	0.287760347	2.35E-10	-0.04909129	0.28975146	-0.15228
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4.00E-22	-0.425646152	5.65E-22	-0.15612579	0.0007101	0.045923
7.71E-20	0.404762037	7.75E-20	-0.04610933	0.32008195	-0.06252
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2.46E-08	0.250563037	4.07E-08	-0.06784179	0.14324004	0.27049
1.28E-32	-0.516400838	3.42E-33	-0.07514745	0.10482649	0.051214
3.99E-06	-0.218211245	1.93E-06	-0.05314393	0.25171971	0.0404
6.34E-10	-0.288580828	2.08E-10	0.094340562	0.04156995	0.055322
5.57E-05	0.193990496	2.43E-05	-0.01849353	0.69017943	-0.0361
1.06E-16	-0.383691256	7.92E-18	-0.08106216	0.0801262	0.06202
1.64E-09	0.276967144	1.14E-09	0.150921888	0.00106991	-0.16043
2.31E-14	0.337456012	6.69E-14	0.070435369	0.12852852	-0.22925
1.57E-12	-0.326131414	4.92E-13	-0.24436301	8.90E-08	-0.03771
9.81E-14	-0.338379112	5.66E-14	-0.08800856	0.05737106	0.183417
5.60E-32	0.505527996	1.15E-31	-0.00755136	0.87071424	0.00383
2.00E-21	0.426938673	4.12E-22	0.009805858	0.8326192	-0.06632
2.02E-20	-0.4099788	2.34E-20	-0.14512474	0.00166411	0.180765
5.39E-06	0.212113397	3.76E-06	-0.0736762	0.11182334	0.022258
6.12E-21	0.4154628	6.50E-21	-0.00340822	0.94144401	0.099254
1.52E-11	-0.311078389	6.17E-12	-0.014811	0.74955344	0.131002
4.15E-05	-0.18018471	9.02E-05	-0.05314353	0.25172329	0.268572
2.75E-17	0.383283198	8.63E-18	-0.07963838	0.08559271	-0.13556
1.52E-11	0.323187065	8.16E-13	-0.08788171	0.05773255	-0.0553
2.50E-11	0.298000143	4.95E-11	-0.20972261	4.86E-06	-0.00301
7.92E-16	0.373885413	6.10E-17	0.046087158	0.32031492	-0.04841
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3.06E-13	0.34080079	3.65E-14	-0.16308413	0.00040233	-0.04264
1.23E-05	0.205064404	7.93E-06	-0.0141049	0.76112196	-0.10381
6.58E-09	0.275953605	1.31E-09	-0.12316127	0.007709	-0.00825
2.17E-05	0.19455881	2.30E-05	0.059552099	0.198924	-0.37975
1.52E-14	0.365919583	3.05E-16	-0.08051055	0.08220954	-0.11317

1.64E-24	0.450068331	1.14E-24	-0.14254151	0.00201593	-0.00125
3.64E-06	0.218253331	1.92E-06	0.052514487	0.25738733	0.172029
3.78E-10	0.285842294	3.13E-10	-0.10331016	0.02557897	-0.08842
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3.35E-23	0.45065177	9.74E-25	0.012773773	0.78307423	0.143162
4.61E-12	0.32305299	8.35E-13	0.067382693	0.14597328	0.024675
3.00E-11	0.317309201	2.20E-12	-0.01828578	0.69348282	0.063899
1.49E-25	-0.459574634	8.83E-26	-0.08821532	0.05678586	0.218727
7.25E-15	0.352417527	4.21E-15	-0.03846122	0.40697232	-0.06585
2.21E-05	0.194516059	2.31E-05	0.046178735	0.31935326	0.091744
1.64E-14	0.359501711	1.08E-15	-0.09524645	0.03964233	0.272997
6.25E-15	0.357421493	1.61E-15	-0.03656389	0.4305222	-0.00745
1.24E-10	0.297352177	5.47E-11	0.101214634	0.02874077	-0.01439
2.53E-08	0.260991878	1.04E-08	0.134100678	0.00369255	-0.03792
1.27E-06	0.223599492	1.06E-06	-0.05754384	0.21452115	-0.09036
2.80E-11	0.309614014	7.83E-12	0.119355268	0.00983403	-0.17147
1.22E-15	0.345023666	1.68E-14	-0.102272	0.02710577	-0.11235
1.10E-17	-0.370603881	1.19E-16	-0.13009755	0.00486448	0.167392
1.17E-18	-0.395563322	6.08E-19	-0.16673803	0.0002958	0.084442
2.37E-26	0.476628773	7.34E-28	0.056156466	0.22579761	0.001023
5.39E-08	0.261439338	9.77E-09	0.169518563	0.00023307	-0.02443
7.47E-19	0.397776301	3.73E-19	-0.03752632	0.41847934	0.011302
1.08E-06	0.235956823	2.49E-07	-0.15080969	0.00107926	-0.01954
9.07E-13	0.31885183	1.70E-12	0.027334226	0.55571056	-0.15643
2.17E-08	0.268833127	3.57E-09	0.029299689	0.5276415	-0.21233
7.52E-10	0.288967789	1.96E-10	0.043390496	0.34947695	0.074683
2.05E-14	0.348576166	8.68E-15	-0.07184742	0.12102655	-0.17207
4.72E-24	0.454066201	3.92E-25	0.057766819	0.21274725	-0.01032
3.42E-12	0.324362055	6.67E-13	-0.15240031	0.00095353	-0.15008
5.98E-18	0.383258813	8.67E-18	-0.01745464	0.70675656	0.084059
1.86E-11	0.303811843	1.99E-11	0.069166968	0.13556997	-0.04064
1.54E-23	0.45667387	1.94E-25	0.021172486	0.64812663	-0.06065
5.05E-12	0.317242986	2.23E-12	-0.25564362	2.11E-08	0.103704
8.89E-11	0.289199587	1.90E-10	-0.07340803	0.11313739	0.153395
1.43E-09	-0.270134522	2.98E-09	0.05014085	0.27955065	0.358759
5.34E-12	0.314215351	3.68E-12	-0.18326922	6.79E-05	-0.0546
4.63E-21	0.417779624	3.75E-21	-0.08392458	0.06999194	0.123699
1.60E-11	0.317792816	2.03E-12	-0.13534352	0.00338466	-0.05081
4.78E-07	0.245982143	7.27E-08	0.115489401	0.01251006	-0.24217
0.970578046	0.008750416	0.850410315	0.164146514	0.00036815	-0.06684
1.74E-11	-0.30354175	2.07E-11	-0.05375985	0.24625845	0.185032
0.001867284	0.148304908	0.00130855	0.253305563	2.86E-08	-0.22314
4.68E-22	0.432277118	1.10E-22	0.032858932	0.4787119	-0.03877
9.98E-11	0.289445257	1.83E-10	0.025224609	0.58662449	-0.0692
0.414197364	0.038060874	0.411876689	0.020438657	0.6595421	-0.27285

0.403551581	0.030187084	0.515208878	0.281280902	6.11E-10	0.465446
2.40E-06	-0.225915689	8.10E-07	-0.46668625	1.24E-26	-0.27159
0.001656892	-0.139785584	0.002465254	-0.39210184	1.30E-18	-0.26711
0.113659785	-0.074535978	0.107691211	-0.25874594	1.40E-08	-0.23053
0.008683972	0.116737838	0.011582928	-0.20754351	6.12E-06	-0.11163
1.90E-05	-0.193808934	2.47E-05	-0.37578749	4.13E-17	-0.22363
0.115322266	-0.073595423	0.11221789	-0.20598829	7.20E-06	-0.0706
1.38E-05	-0.210419791	4.51E-06	-0.45340884	4.67E-25	0.010165
0.000545495	-0.172219678	0.000184238	-0.49708889	1.62E-30	0.062245
3.90E-05	-0.196983699	1.81E-05	-0.38298366	9.19E-18	-0.37751
0.482295983	0.041657036	0.369082374	0.341866634	3.00E-14	0.079402
0.75204329	0.006278639	0.892358672	-0.41968308	2.38E-21	-0.5009
0.442387341	-0.042109579	0.363899494	0.359395178	1.10E-15	0.570682
1.63E-08	-0.259369172	1.29E-08	-0.15600175	0.00071718	-0.13982
0.000193288	0.173547484	0.000163916	0.322817653	8.69E-13	0.569688
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7.75E-05	0.178832254	0.000102074	0.568745695	2.25E-41	0.319827
0.1385372	0.070832368	0.126383834	0.3058213	1.44E-11	0.442359
0.009970526	0.11024407	0.017159214	-0.39326484	1.01E-18	-0.1863
0.304097637	-0.052640448	0.256246155	0.350985809	5.52E-15	0.26445
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0.006166538	-0.13223906	0.004201366	0.325681951	5.32E-13	0.476951
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0.199239402	-0.066068831	0.154015312	-0.58136548	1.42E-43	-0.29
0.144994817	0.067492121	0.145318214	-0.44619803	3.15E-24	-0.26197
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0.352613243	0.049809486	0.282744583	-0.45415218	3.83E-25	-0.19569
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0.655252752	-0.018424906	0.69126996	0.39713463	4.30E-19	0.428433
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7.51E-09	0.262603011	8.36E-09	-0.36793624	2.04E-16	-0.00262
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9.19E-06	-0.207139237	6.38E-06	-0.36526304	3.47E-16	-0.40881
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1.73E-10	-0.281258891	6.13E-10	-0.05788009	0.21185021	0.483176
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0.846958801	-0.013299646	0.774380166	-0.15073428	0.00108558	0.781221
0.641589226	0.028393146	0.540497989	0.016882633	0.71594391	0.609208
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0.130267517	0.077542302	0.094183019	0.077938825	0.09250714	0.68762
2.68E-06	-0.208996774	5.24E-06	-0.27994091	7.42E-10	0.388938
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6.22E-08	-0.247687612	5.86E-08	0.051977586	0.26229095	0.458472
8.93E-05	0.182318694	7.41E-05	0.020840187	0.65328588	0.801168
6.21E-06	0.192281323	2.87E-05	-0.00337369	0.94203614	0.4182
0.010062344	0.116307787	0.011895199	0.014832098	0.74920869	0.643549
0.054582521	0.08348004	0.071493303	0.347046156	1.16E-14	0.683536
0.189193253	0.065099006	0.160163642	0.004834211	0.9170195	0.524393
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0.002052894	-0.158484573	0.000587217	0.065929104	0.15488993	0.483278
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7.28E-07	-0.233303639	3.42E-07	-0.11863329	0.01029134	0.631829
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3.33E-05	0.195798644	2.03E-05	0.179198595	9.87E-05	0.683044
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2.26E-07	0.241854163	1.21E-07	0.168497081	0.00025451	0.618949
0.576867623	0.025686771	0.579784477	0.091604063	0.04787946	0.621318
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0.004184889	0.129425326	0.005091296	0.028323559	0.54149128	0.473047
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0.039147582	0.088666897	0.055524977	0.010296847	0.82437127	0.58813
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0.275887438	0.050366621	0.277388559	0.360721023	8.49E-16	0.53497
5.14E-06	0.210182507	4.62E-06	0.214140603	3.02E-06	0.393108
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2.45E-05	0.198032527	1.63E-05	0.286807383	2.71E-10	0.610867
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3.57E-08	0.251898927	3.42E-08	0.331497717	1.93E-13	0.51781
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1.17E-15	0.361866656	6.79E-16	0.17264369	0.00017751	0.343676
1.35E-05	0.198626633	1.53E-05	0.308148171	9.92E-12	0.558548
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5.75E-07	0.237365569	2.10E-07	0.205901334	7.26E-06	0.423391
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0.004660062	-0.130371132	0.004774806	0.269737546	3.15E-09	-0.14295
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0.708705533	0.029301427	0.52761701	0.360042863	9.70E-16	-0.03246
0.001018337	-0.147597791	0.001380953	-0.00434277	0.92542929	-0.17051
0.148537046	0.062220859	0.179498254	0.528650505	5.58E-35	-0.1759
0.201897396	0.066445144	0.151678378	0.319456394	1.54E-12	0.205943
1.18E-09	-0.267586432	4.24E-09	0.106883144	0.02087734	0.223987
0.493161449	0.038980339	0.400664997	0.291095763	1.43E-10	0.059376
0.049753546	0.098993846	0.032452042	0.230841427	4.57E-07	-0.02419
0.038705976	0.10017485	0.030430425	0.28042528	6.92E-10	0.041337
0.011266805	0.122033192	0.008291445	0.22954573	5.32E-07	-0.0594
6.43E-06	-0.205611218	7.49E-06	0.277095695	1.12E-09	0.137385
8.32E-08	-0.2438034	9.54E-08	0.206104076	7.11E-06	-0.1078
0.002160333	0.158033782	0.000609057	0.330992495	2.11E-13	0.069178
0.749019476	0.010434786	0.822057513	0.434124353	6.93E-23	-0.02177
0.006585581	0.13459461	0.003567274	0.46138819	5.37E-26	-0.01869
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0.113987012	-0.07189685	0.12077026	0.417258896	4.25E-21	0.306813
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7.64E-05	0.176640725	0.000124433	-0.27279642	2.05E-09	0.211688
2.94E-05	-0.187468856	4.57E-05	0.244848445	8.38E-08	-0.18852
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9.19E-11	-0.296646828	6.10E-11	0.313154757	4.39E-12	0.248704
0.346362443	0.040477202	0.382808499	0.408061703	3.64E-20	-0.0697
0.243020623	-0.054280975	0.241702735	0.409091806	2.87E-20	-0.04936
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3.31E-06	0.21734983	2.12E-06	0.292013613	1.24E-10	0.050793
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0.814665285	-0.01302557	0.778907914	0.481248717	1.91E-28	0.210529
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0.397869732	-0.028347442	0.541150274	0.269146032	3.42E-09	0.101541
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6.50E-16	-0.367898764	2.05E-16	0.167874541	0.00026847	0.077773
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0.000258206	0.163871453	0.000376734	0.348946905	8.10E-15	0.031782
0.003889393	0.141578289	0.002163673	0.40013943	2.20E-19	0.107107
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0.269576544	0.060961012	0.1884859	0.099250275	0.03200361	0.029897
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0.754024258	0.015097893	0.744868985	0.295655978	7.11E-11	-0.14754
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1.41E-06	-0.218840986	1.80E-06	0.320682553	1.25E-12	-0.04321
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9.84E-06	0.203939891	8.91E-06	0.249228321	4.82E-08	0.07918
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0.422884954	0.035398733	0.44536667	0.078027062	0.09213748	-0.09072
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1.99E-13	-0.338166385	5.88E-14	0.0609615	0.18848236	-0.07687
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8.01E-11	-0.29043666	1.57E-10	-0.13573366	0.00329294	-0.31646
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2.33E-05	0.19918279	1.45E-05	-0.07490416	0.10595898	0.28202
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1.04E-15	-0.36297948	5.45E-16	-0.14065981	0.0023137	-0.28144
0.828714537	0.014421755	0.755924003	-0.04079376	0.37909539	-0.36276
1.82E-09	-0.280267591	7.08E-10	-0.00837646	0.85673269	-0.35807
4.01E-09	0.26976708	3.14E-09	-0.13070787	0.00466648	0.349724
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1.78E-08	-0.258724331	1.40E-08	0.075028021	0.10538121	-0.44357
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1.79E-15	-0.357055923	1.73E-15	-0.15158077	0.00101651	-0.2633
6.22E-07	-0.227430768	6.80E-07	-0.08532186	0.06544001	-0.19982
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7.51E-18	-0.376278606	3.73E-17	-0.15999536	0.00051921	-0.21802
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2.61E-07	-0.241112313	1.33E-07	-0.18944893	3.78E-05	-0.16408
4.32E-05	-0.188842445	4.01E-05	-0.00160623	0.97238438	-0.17802
1.81E-10	-0.286617269	2.79E-10	-0.0118775	0.79795381	-0.28967
3.89E-14	-0.340400342	3.93E-14	-0.20489073	8.07E-06	-0.2443
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4.69E-15	-0.360733312	8.47E-16	-0.04748653	0.30582575	-0.19166
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5.87E-05	0.189004954	3.95E-05	0.020071053	0.66529063	0.43899
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5.68E-07	-0.228239992	6.19E-07	0.088861121	0.05498986	-0.06378
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0.067562509	-0.088551241	0.055845673	-0.10811474	0.01944066	-0.3795
3.73E-07	-0.229547071	5.32E-07	-0.0726745	0.11679369	-0.18481
2.35E-12	-0.327578292	3.83E-13	0.060180664	0.19421632	-0.14861
0.035938475	-0.113958174	0.013736198	-0.21215169	3.74E-06	-0.244
7.83E-05	-0.175571969	0.000136936	-0.13871843	0.00266251	-0.55669
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2.12E-07	-0.242476042	1.12E-07	0.078206586	0.09138903	-0.38676
0.243953524	0.058781693	0.204806726	0.006086375	0.89563576	0.463992
1.21E-07	0.24133988	1.29E-07	0.092419527	0.0459204	0.244987
5.20E-13	0.324672949	6.33E-13	0.023994976	0.60500215	0.424902
4.61E-06	-0.209993017	4.72E-06	-0.04699631	0.31085136	-0.09815
2.55E-11	-0.301374637	2.92E-11	-0.00552046	0.90529169	-0.1789
3.79E-05	-0.198864315	1.50E-05	-0.27403045	1.73E-09	-0.26148
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4.83E-07	-0.240108158	1.51E-07	-0.15049372	0.00110599	-0.25183
1.34E-05	-0.196180323	1.96E-05	0.005311384	0.9088627	-0.49586
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3.48E-08	-0.254142846	2.56E-08	-0.14698887	0.00144623	-0.52748
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3.13E-10	-0.291203439	1.40E-10	0.15227234	0.00096312	-0.12294
2.05E-08	-0.257559707	1.64E-08	-0.03377944	0.466472	-0.255
0.750420331	0.036854376	0.426866381	-0.15120901	0.00104633	0.163765
8.82E-05	-0.176167642	0.000129829	0.106021895	0.02193601	-0.25985
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4.80E-15	-0.350403904	6.16E-15	-0.15421715	0.00082653	-0.32407
7.35E-05	-0.182903694	7.02E-05	0.006929504	0.88127879	-0.43146
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6.48E-05	-0.19281312	2.73E-05	0.092104681	0.04666865	-0.21466
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0.017839877	-0.127413444	0.005828178	-0.08777268	0.05804475	-0.18523

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7.92E-05	-0.181265743	8.17E-05	-0.14220276	0.00206681	-0.53186
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7.27E-08	-0.251133046	3.78E-08	-0.11233971	0.01514602	-0.12921
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2.13E-05	0.207825542	5.94E-06	-0.13271753	0.00406487	0.519781
8.31E-05	-0.189954242	3.60E-05	0.032982589	0.47705754	-0.33813
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9.80E-08	-0.249334238	4.76E-08	-0.18585815	5.32E-05	-0.31505
3.62E-14	-0.335815544	8.97E-14	-0.06203253	0.18082123	-0.06214
5.20E-11	-0.299354485	4.01E-11	-0.05108733	0.27056281	-0.21554
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1.44E-18	-0.394474953	7.73E-19	-0.08098234	0.08042502	-0.19973
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5.07E-16	-0.379557936	1.89E-17	-0.04997573	0.2811391	-0.28201
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0.693470835	-0.022292336	0.6308647	-0.0407382	0.37974556	-0.23188
1.70E-05	-0.191136426	3.21E-05	0.002116436	0.96361787	-0.21898
2.11E-23	-0.437398018	3.03E-23	-0.01776557	0.7017801	-0.02376
2.18E-05	-0.191001659	3.26E-05	-0.03602234	0.43738584	-0.60074
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4.87E-14	-0.342625139	2.61E-14	0.229875337	5.12E-07	-0.25176
4.06E-21	-0.423661899	9.15E-22	0.050563636	0.27551114	-0.06373
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1.58E-08	-0.263625761	7.28E-09	-0.01462131	0.75265591	-0.28536
6.18E-06	-0.222630385	1.18E-06	-0.1240739	0.00726484	-0.34874
4.66E-08	-0.25784052	1.58E-08	-0.10537168	0.02276582	-0.08511
1.98E-06	-0.234735666	2.88E-07	-0.13162871	0.0043815	-0.14998
4.78E-05	-0.177817926	0.000111907	-0.10642735	0.02143195	-0.32348
5.25E-14	-0.348034129	9.61E-15	-0.02274032	0.62401445	-0.15164
0.00010947	-0.1753272	0.000139961	0.055339862	0.23262884	-0.22299
5.11E-06	0.225085625	8.91E-07	-0.04164849	0.3691807	0.364367
0.007784126	-0.115841011	0.012242537	0.008834923	0.84898289	-0.38121
1.36E-06	-0.210503377	4.47E-06	-0.0998606	0.03095754	-0.00259
0.014097766	0.131634156	0.004379858	-0.01516645	0.74375087	0.15879
6.91E-10	0.285888518	3.11E-10	0.13362576	0.00381676	0.535146
1.58E-09	-0.288424416	2.13E-10	0.029448138	0.52555112	-0.36619
1.03E-08	-0.263130611	7.78E-09	-0.02914322	0.52984939	-0.31479
1.29E-15	-0.354602289	2.77E-15	0.119245567	0.00990233	-0.13699
1.44E-07	-0.234384102	3.01E-07	-0.03284454	0.47890459	-0.26292
9.77E-06	-0.20187943	1.10E-05	0.077710612	0.09346873	-0.35335
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9.19E-12	-0.304957885	1.66E-11	0.071178521	0.12453659	-0.20791
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4.89E-11	-0.294806959	8.10E-11	0.010627401	0.81882923	-0.11142
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5.78E-05	-0.189459553	3.78E-05	-0.11441725	0.01335794	-0.27251
6.34E-12	-0.316614525	2.47E-12	-0.0119389	0.79693204	0.009262
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4.32E-05	-0.192019929	2.95E-05	-0.04306162	0.353145	-0.43549

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0.981696311	0.00573501	0.901629221	-0.16724736	0.00028325	-0.26095
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0.00317867	-0.130844046	0.004623311	0.059242853	0.2012704	-0.36086
1.17E-05	-0.21055077	4.45E-06	0.003149252	0.94588618	-0.15816

0.021377934	-0.118768901	0.010204031	-0.10434054	0.02413751	-0.30952
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0.096120923	-0.069525744	0.133548781	0.036820519	0.42729154	-0.33733
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2.63E-05	-0.206496829	6.83E-06	-0.27247394	2.15E-09	-0.52111
0.00071711	-0.158577563	0.000582803	-0.04692004	0.31163821	-0.60711
9.46E-06	-0.207032808	6.45E-06	-0.00762123	0.8695287	-0.59203
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2.80E-06	-0.221674244	1.31E-06	0.072549908	0.11742382	-0.46944
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0.001163223	-0.151541801	0.001019602	-0.03643552	0.43214354	0.376757
6.78E-10	-0.277449081	1.06E-09	-0.26769497	4.18E-09	-0.27982
7.87E-05	-0.183053268	6.92E-05	-0.01369499	0.76786246	-0.26781
4.26E-11	-0.300877794	3.16E-11	-0.15643555	0.00069271	-0.37678
0.121614533	-0.074092124	0.109809092	-0.1611961	0.00047046	-0.49475
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8.34E-18	-0.386940569	3.96E-18	0.074857298	0.10617823	-0.33061
4.35E-06	-0.210312349	4.56E-06	-0.19324142	2.62E-05	-0.11687
5.20E-06	-0.213514387	3.23E-06	0.029904495	0.5191515	-0.29623
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0.306758726	-0.055120023	0.234492603	-0.20254963	1.03E-05	-0.50502
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1.53E-09	-0.274188758	1.69E-09	-0.07904835	0.0879444	-0.54872
3.55E-12	-0.317233005	2.23E-12	-0.00806498	0.86200574	-0.24228
1.31E-05	-0.198193095	1.60E-05	0.050837101	0.27291957	-0.1181
5.11E-06	-0.209353425	5.05E-06	0.086237685	0.06259069	-0.37357
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5.16E-10	-0.285087301	3.50E-10	-0.14723689	0.00141931	-0.54539
4.27E-07	-0.226259746	7.79E-07	0.110546153	0.0168553	-0.11656
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8.92E-20	-0.40693418	4.72E-20	0.140708581	0.0023055	-0.10271
2.92E-06	-0.220170739	1.55E-06	-0.08542353	0.06511853	-0.44053
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1.13E-16	0.386697993	4.17E-18	-0.25964575	1.24E-08	0.195099
1.17E-06	-0.224771644	9.24E-07	0.098445749	0.03342856	-0.12748
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4.33E-06	-0.213860615	3.11E-06	-0.02034667	0.6609787	-0.49511
0.003548786	-0.132799845	0.004041796	0.020565381	0.65756503	-0.34662
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1.08E-05	-0.219110783	1.75E-06	0.160437061	0.00050075	-0.05855
8.48E-06	-0.210326225	4.55E-06	0.076477888	0.09880185	-0.27496
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1.77E-15	-0.351279879	5.22E-15	-0.08675988	0.06101235	-0.1669
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1.91E-16	-0.37621064	3.78E-17	0.010860545	0.81492575	-0.22987
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1.38E-06	-0.224879878	9.12E-07	0.063560884	0.1702914	-0.19568
8.08E-09	-0.259948018	1.19E-08	-0.24374275	9.61E-08	-0.31539
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7.58E-19	-0.397341296	4.11E-19	0.048108751	0.29952456	-0.25372
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2.20E-23	-0.430135659	1.87E-22	-0.01147946	0.80458585	0.03999
4.29E-11	-0.302801239	2.33E-11	0.034001481	0.46354561	-0.31377
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5.03E-22	-0.422970093	1.08E-21	-0.15305357	0.00090592	-0.39834
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4.63E-08	-0.253932141	2.63E-08	0.062843005	0.17517884	-0.29697
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0.000156468	-0.186757743	4.89E-05	0.045875665	0.32254302	-0.22448
1.15E-06	-0.225326775	8.67E-07	-0.0487657	0.29296599	-0.43307
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8.93E-09	-0.264628346	6.35E-09	0.171404149	0.00019787	0.004611
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3.48E-07	-0.238519372	1.83E-07	-0.03063388	0.50900705	-0.45321
0.008135047	0.121622852	0.008512853	0.002781462	0.9521979	0.244868
7.50E-18	-0.389185865	2.45E-18	-0.1403557	0.00236542	-0.09376
9.00E-14	-0.337343046	6.82E-14	-0.0023423	0.95973833	-0.40869
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0.004036689	-0.148215553	0.001317502	0.055557491	0.23079416	-0.3541
2.37E-05	-0.212761215	3.51E-06	-0.01144421	0.8051739	-0.47526
6.31E-19	-0.391158752	1.60E-18	-0.05326234	0.25066327	0.012439
7.11E-12	-0.312168571	5.16E-12	-0.08225856	0.07575448	-0.32623
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0.196392999	0.06773161	0.143892396	-0.17750511	0.00011511	0.380762
3.43E-09	-0.275735968	1.36E-09	0.098086599	0.03408194	-0.07826
1.20E-05	0.20367614	9.15E-06	-0.13541091	0.00336866	0.380065

1.66E-11	-0.306517452	1.29E-11	-0.10178186	0.02785345	-0.28345
0.000104669	-0.181796037	7.78E-05	-0.03092066	0.505047	-0.5445
0.005434277	-0.130358912	0.00477878	0.013330987	0.77386289	-0.3157
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2.26E-06	-0.216439719	2.35E-06	-0.1055316	0.02255925	-0.10422
2.96E-06	-0.215344907	2.65E-06	0.10907193	0.0183843	-0.32401
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0.419294838	0.033527865	0.469799839	-0.10911693	0.0183359	-0.28955
3.55E-09	0.260377589	1.13E-08	0.015260853	0.74221226	0.389412
0.054285006	0.096350207	0.03739638	0.122833773	0.00787421	0.520672
4.49E-16	-0.361063197	7.94E-16	-0.09878794	0.032816	-0.25364
0.064356002	-0.094017439	0.042276386	0.258288909	1.49E-08	-0.08772
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2.27E-05	-0.185864531	5.32E-05	0.112790604	0.01474102	-0.04751
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0.633918979	-0.023753037	0.608648156	-0.11087672	0.01652813	-0.23466
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3.71E-05	-0.195325879	2.13E-05	-0.07645218	0.0989156	-0.31048
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1.17E-15	-0.354624559	2.76E-15	0.096025463	0.03804569	-0.0638
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9.73E-06	-0.213314423	3.30E-06	0.095249884	0.03963517	-0.38894
1.23E-16	-0.383958923	7.48E-18	-0.00284843	0.95104846	0.02907
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3.07E-07	-0.242918562	1.07E-07	-0.010213	0.82577837	-0.33851
2.27E-06	0.228133518	6.27E-07	-0.02642423	0.56894794	0.563522
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5.54E-05	-0.187562061	4.53E-05	0.062056116	0.18065514	-0.35947
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2.39E-11	-0.316902513	2.36E-12	-0.19281261	2.73E-05	-0.22909
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4.58E-17	-0.380989974	1.40E-17	-0.05295957	0.25337063	-0.4116
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9.42E-06	-0.200107091	1.32E-05	-0.16453949	0.00035621	0.032382
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0.37221501	-0.042970322	0.354167542	-0.05152482	0.26647585	-0.07198
0.002650628	-0.143421285	0.00188912	0.028465933	0.53945999	0.104486

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0.14039634	-0.071703672	0.12177428	-0.03170927	0.49424127	-0.1523
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3.24E-08	0.259940637	1.19E-08	-0.1861429	5.18E-05	0.087643
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0.839504866	-0.00477832	0.91797549	0.116851364	0.01150171	0.203591
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p.MMskyl	MMpaletu	p.MMpale	MMpurple	p.MMpuri	MMsteelbl	p.MMstee	MMdarkor	p.MMdarl
8.11E-05	-0.29335	1.01E-10	-0.24826	5.45E-08	-0.28088	6.48E-10	-0.18724	4.67E-05
1.33E-08	-0.15594	0.00072	-0.28292	4.81E-10	-0.2976	5.27E-11	-0.44439	5.04E-24
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1.46E-05	-0.21815	1.95E-06	-0.24933	4.76E-08	-0.26053	1.10E-08	-0.29716	5.64E-11
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1.24E-07	-0.23025	4.90E-07	-0.27807	9.72E-10	-0.27674	1.18E-09	-0.37315	7.08E-17
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1.66E-08	-0.24386	9.48E-08	-0.3072	1.16E-11	-0.33095	2.13E-13	-0.47521	1.10E-27
5.70E-13	-0.21181	3.88E-06	-0.30207	2.62E-11	-0.35471	2.72E-15	-0.45508	2.99E-25
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9.01E-06	-0.12862	0.00538	-0.23299	3.55E-07	-0.23099	4.49E-07	-0.36738	2.28E-16
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2.31E-09	-0.04721	0.30867	-0.41706	4.45E-21	-0.33263	1.58E-13	0.049923	0.28165
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2.39E-06	-0.16735	0.00028	-0.31058	6.69E-12	-0.25769	1.61E-08	-0.19937	1.42E-05
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3.83E-16	-0.26622	5.12E-09	-0.59754	1.55E-46	-0.51066	2.23E-32	-0.05595	0.22751
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9.59E-11	-0.20494	8.03E-06	-0.41806	3.52E-21	-0.40324	1.09E-19	0.184482	6.06E-05
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0.31414	-0.05778	0.21263	-0.32448	6.55E-13	-0.20234	1.05E-05	0.111721	0.01572
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1.04E-07	-0.5368	3.28E-36	-0.53083	2.64E-35	-0.49962	7.41E-31	-0.01368	0.76808
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1.08E-14	-0.36404	4.42E-16	-0.53716	2.89E-36	-0.51212	1.39E-32	-0.0388	0.40284
2.47E-07	0.125013	0.00683	0.308947	8.72E-12	0.271848	2.35E-09	0.122048	0.00828
0.52276	-0.31503	3.22E-12	-0.28686	2.69E-10	-0.21798	1.98E-06	-0.12278	0.0079
2.94E-09	-0.34825	9.22E-15	-0.43057	1.68E-22	-0.4018	1.52E-19	-0.30104	3.08E-11
0.33523	0.121719	0.00846	-0.08873	0.05534	-0.03012	0.51612	0.039859	0.39013
0.16631	-0.2253	8.70E-07	-0.35337	3.51E-15	-0.22473	9.27E-07	-0.01676	0.71789
0.00202	-0.41517	6.96E-21	-0.51988	1.08E-33	-0.41545	6.52E-21	-0.06321	0.17266
7.32E-08	-0.17636	0.00013	-0.51362	8.52E-33	-0.36016	9.47E-16	-0.16581	0.00032
0.91764	-0.26761	4.23E-09	-0.33841	5.63E-14	-0.2104	4.52E-06	-0.06483	0.16189
3.52E-07	-0.37956	1.89E-17	-0.57872	4.19E-43	-0.48223	1.44E-28	0.108739	0.01875
0.91883	-0.31084	6.41E-12	-0.45557	2.62E-25	-0.32306	8.34E-13	0.122458	0.00807
9.62E-08	0.362801	5.65E-16	0.406878	4.78E-20	0.414588	7.99E-21	-0.00711	0.87828
2.18E-31	-0.42992	1.97E-22	-0.67507	2.07E-63	-0.6609	6.00E-60	-0.36875	1.73E-16
1.22E-10	-0.41526	6.82E-21	-0.55499	4.41E-39	-0.48555	5.37E-29	-0.0454	0.32763
0.04026	-0.14545	0.00162	-0.29955	3.89E-11	-0.23501	2.79E-07	0.117668	0.01093
0.00156	0.289624	1.78E-10	0.599555	6.45E-47	0.400389	2.08E-19	0.067359	0.14611
0.002	-0.23886	1.75E-07	-0.22726	6.94E-07	-0.1307	0.00467	0.340666	3.74E-14
0.00127	-0.06707	0.14786	-0.27135	2.52E-09	-0.16359	0.00039	-0.0402	0.38608
1.09E-05	-0.36844	1.84E-16	-0.62523	5.12E-52	-0.47058	4.14E-27	0.011374	0.80634
0.04261	-0.10779	0.01981	-0.07428	0.10889	-0.05711	0.21801	-0.13223	0.0042
7.30E-14	-0.28193	5.56E-10	-0.57805	5.50E-43	-0.51925	1.33E-33	-0.15899	0.00056
6.77E-17	-0.53855	1.77E-36	-0.59571	3.42E-46	-0.59381	7.73E-46	-0.24905	4.93E-08
0.97434	-0.10569	0.02235	-0.25638	1.91E-08	-0.1333	0.0039	0.131381	0.00446

0.07637	-0.19859	1.54E-05	-0.26086	1.06E-08	-0.21845	1.88E-06	-0.00961	0.83592
8.92E-07	-0.12722	0.0059	-0.32682	4.37E-13	-0.26084	1.06E-08	-0.10417	0.02437
0.00072	-0.55688	2.17E-39	-0.56294	2.15E-40	-0.50817	4.97E-32	-0.26608	5.21E-09
0.09997	-0.36829	1.89E-16	-0.58388	5.06E-44	-0.39669	4.75E-19	0.140919	0.00227
6.97E-09	-0.3274	3.95E-13	-0.4429	7.41E-24	-0.40283	1.20E-19	0.0952	0.03974
5.28E-18	-0.56833	2.65E-41	-0.72754	4.13E-78	-0.67574	1.41E-63	-0.081	0.08036
0.20733	-0.22466	9.36E-07	-0.29707	5.71E-11	-0.25095	3.87E-08	0.165342	0.00033
1.07E-34	-0.50109	4.68E-31	-0.67134	1.76E-62	-0.66651	2.69E-61	-0.29014	1.65E-10
0.99156	-0.35779	1.50E-15	-0.42901	2.47E-22	-0.29526	7.55E-11	0.138026	0.0028
0.00021	-0.36413	4.34E-16	-0.38729	3.68E-18	-0.37542	4.45E-17	-0.02356	0.61157
0.00101	0.024999	0.58997	-0.32052	1.28E-12	-0.20001	1.33E-05	-0.02136	0.64516
0.63533	-0.30418	1.87E-11	-0.28509	3.50E-10	-0.2122	3.73E-06	0.133978	0.00372
0.02894	-0.27085	2.70E-09	-0.43124	1.42E-22	-0.35881	1.23E-15	-0.19789	1.65E-05
0.0002	-0.25405	2.59E-08	-0.33355	1.34E-13	-0.29591	6.83E-11	0.165553	0.00033
1.16E-33	0.19198	2.96E-05	0.216237	2.40E-06	0.358749	1.25E-15	0.252408	3.21E-08
0.97788	0.068264	0.14076	-0.21356	3.22E-06	-0.12983	0.00495	-0.03269	0.481
0.73808	-0.25583	2.05E-08	-0.25007	4.33E-08	-0.17744	0.00012	0.223373	1.08E-06
3.19E-12	-0.35586	2.18E-15	-0.51687	2.93E-33	-0.50937	3.38E-32	-0.2206	1.48E-06
0.01174	-0.30372	2.02E-11	-0.3939	8.76E-19	-0.33026	2.40E-13	0.205589	7.50E-06
0.04199	-0.27483	1.54E-09	-0.26962	3.20E-09	-0.17063	0.00021	-0.05698	0.21908
5.77E-05	0.190364	3.46E-05	0.349556	7.22E-15	0.253527	2.77E-08	0.01725	0.71003
1.31E-06	-0.21719	2.16E-06	-0.50945	3.30E-32	-0.39133	1.54E-18	-0.26464	6.35E-09
4.30E-15	0.530507	2.94E-35	0.747299	1.41E-84	0.632449	1.54E-53	0.069866	0.13165
1.54E-10	-0.48612	4.53E-29	-0.59773	1.43E-46	-0.53118	2.33E-35	-0.03138	0.49872
0.00806	-0.01326	0.77498	-0.42554	5.79E-22	-0.26532	5.79E-09	0.040857	0.37835
3.21E-09	-0.079	0.08813	-0.1481	0.00133	0.078689	0.0894	0.143011	0.00195
5.74E-11	-0.02554	0.58194	-0.29218	1.21E-10	-0.31573	2.87E-12	0.016783	0.71755
4.62E-11	-0.21151	4.01E-06	-0.49215	7.37E-30	-0.42054	1.94E-21	-0.04379	0.34502
0.15916	-0.15003	0.00115	-0.22419	9.87E-07	-0.13871	0.00266	0.180905	8.45E-05
4.37E-18	0.480918	2.11E-28	0.683671	1.32E-65	0.630211	4.60E-53	0.076332	0.09945
0.32981	0.079443	0.08637	-0.27354	1.85E-09	-0.12233	0.00813	0.118224	0.01056
0.00597	0.05574	0.22927	0.27029	2.92E-09	0.074509	0.10782	-0.40871	3.14E-20
2.32E-18	0.229885	5.11E-07	0.38978	2.15E-18	0.371655	9.61E-17	0.161142	0.00047
1.48E-23	0.472424	2.45E-27	0.624268	8.10E-52	0.58789	9.51E-45	-0.01777	0.70167
0.05245	-0.20832	5.64E-06	-0.37188	9.18E-17	-0.25878	1.39E-08	0.18776	4.45E-05
0.85987	0.092868	0.04487	0.31953	1.52E-12	0.162475	0.00042	-0.04994	0.28145
0.03751	-0.14898	0.00124	-0.28589	3.11E-10	-0.2584	1.46E-08	-0.01976	0.67018
2.58E-06	-0.00315	0.94581	0.259189	1.32E-08	0.201437	1.15E-05	-0.03073	0.5077
1.23E-08	0.179765	9.38E-05	0.391402	1.51E-18	0.297519	5.33E-11	0.040517	0.38234
3.30E-14	0.545168	1.65E-37	0.540321	9.40E-37	0.546742	9.29E-38	0.329793	2.60E-13
4.36E-06	-0.38546	5.44E-18	-0.46829	7.89E-27	-0.41208	1.44E-20	-0.1252	0.00675
0.39568	0.025076	0.58883	-0.19538	2.12E-05	-0.14105	0.00225	-0.13536	0.00338
0.01049	-0.34591	1.43E-14	-0.37993	1.75E-17	-0.32815	3.47E-13	-0.03504	0.44997
0.09154	-0.0279	0.54754	-0.15749	0.00064	-0.06078	0.18982	0.263857	7.05E-09
5.59E-08	-0.41166	1.59E-20	-0.48258	1.29E-28	-0.46926	6.01E-27	-0.10309	0.02589

0.00013	0.336368	8.13E-14	0.383488	8.26E-18	0.383242	8.70E-18	-0.16463	0.00035
0.00058	-0.32591	5.12E-13	-0.50318	2.43E-31	-0.42281	1.12E-21	0.010424	0.82224
4.99E-24	0.555841	3.20E-39	0.753168	1.30E-86	0.668897	7.04E-62	0.095758	0.03859
4.35E-06	0.263636	7.27E-09	0.367226	2.35E-16	0.336576	7.83E-14	0.143481	0.00188
0.86157	0.368232	1.92E-16	0.379917	1.75E-17	0.241852	1.22E-07	0.161141	0.00047
3.99E-14	0.162839	0.00041	0.476163	8.39E-28	0.398816	2.96E-19	-0.08891	0.05485
1.12E-09	0.436483	3.82E-23	0.383138	8.90E-18	0.435504	4.90E-23	0.068154	0.1414
6.25E-06	-0.44678	2.70E-24	-0.50878	4.08E-32	-0.47978	2.94E-28	-0.21959	1.66E-06
1.83E-06	0.115584	0.01244	0.356856	1.80E-15	0.297208	5.59E-11	-0.09241	0.04594
2.77E-18	-0.27432	1.66E-09	-0.53967	1.19E-36	-0.52585	1.45E-34	-0.18379	6.46E-05
9.90E-06	-0.47987	2.86E-28	-0.51461	6.18E-33	-0.46512	1.91E-26	0.069575	0.13327
6.26E-21	0.421948	1.38E-21	0.610242	5.53E-49	0.564149	1.35E-40	0.025696	0.57965
2.28E-10	0.559341	8.53E-40	0.490053	1.39E-29	0.461937	4.62E-26	0.148133	0.00133
8.45E-08	-0.3739	6.08E-17	-0.39714	4.29E-19	-0.40289	1.18E-19	0.016148	0.7278
0.29284	-0.01585	0.73256	-0.1868	4.87E-05	-0.10942	0.01801	-0.09891	0.0326
0.07367	-0.06287	0.175	-0.23193	4.02E-07	-0.1815	8.00E-05	-0.18626	5.13E-05
0.27828	-0.254	2.61E-08	-0.3505	6.05E-15	-0.28984	1.72E-10	0.041517	0.37069
2.59E-05	0.453031	5.17E-25	0.365165	3.54E-16	0.352282	4.32E-15	0.269855	3.10E-09
0.48508	-0.27041	2.87E-09	-0.33676	7.58E-14	-0.27035	2.89E-09	0.304195	1.87E-11
0.14611	0.163079	0.0004	0.506817	7.66E-32	0.28404	4.08E-10	-0.07245	0.11793
0.00015	-0.26657	4.87E-09	-0.39458	7.55E-19	-0.36097	8.10E-16	0.174509	0.00015
0.00346	0.07638	0.09924	-0.08055	0.08205	0.025839	0.57754	-0.02403	0.60448
1.14E-09	-0.28279	4.90E-10	-0.4811	2.00E-28	-0.42627	4.85E-22	-0.22362	1.05E-06
8.47E-26	0.313934	3.86E-12	0.484944	6.43E-29	0.530436	3.02E-35	0.065914	0.15499
0.70186	-0.10332	0.02557	-0.24066	1.41E-07	-0.19156	3.08E-05	0.284359	3.89E-10
4.12E-19	-0.31547	2.99E-12	-0.50441	1.64E-31	-0.45078	9.42E-25	-0.22057	1.48E-06
0.00029	-0.24319	1.03E-07	-0.30276	2.35E-11	-0.15036	0.00112	0.36711	2.40E-16
0.03086	-0.16563	0.00032	-0.49783	1.29E-30	-0.34751	1.06E-14	0.091383	0.04842
7.73E-07	0.285083	3.50E-10	0.676917	7.09E-64	0.437531	2.93E-23	0.134936	0.00348
7.27E-13	-0.19637	1.92E-05	-0.40692	4.73E-20	-0.35817	1.39E-15	-0.34441	1.88E-14
4.07E-09	0.581746	1.22E-43	0.523032	3.76E-34	0.538908	1.56E-36	0.142066	0.00209
0.17502	-0.25568	2.10E-08	-0.23639	2.36E-07	-0.14984	0.00116	-0.0754	0.10368
3.80E-13	-0.02666	0.56548	-0.24242	1.13E-07	-0.2976	5.27E-11	-0.11447	0.01332
9.62E-37	-0.28878	2.02E-10	-0.64793	6.10E-57	-0.60262	1.68E-47	-0.24887	5.04E-08
0.00034	-0.17247	0.00018	-0.28344	4.46E-10	-0.24744	6.05E-08	-0.00906	0.84525
7.51E-14	-0.2393	1.66E-07	-0.57261	4.90E-42	-0.46009	7.67E-26	-0.26038	1.13E-08
0.00375	0.117479	0.01106	0.242779	1.08E-07	0.195622	2.07E-05	0.097148	0.03584
5.92E-11	-0.48171	1.67E-28	-0.50507	1.33E-31	-0.50913	3.65E-32	-0.20706	6.44E-06
7.44E-09	-0.27736	1.08E-09	-0.55002	2.79E-38	-0.45307	5.12E-25	0.087797	0.05797
0.00296	-0.12527	0.00672	-0.25922	1.31E-08	-0.24669	6.65E-08	0.210451	4.49E-06
0.26995	-0.32491	6.08E-13	-0.28973	1.75E-10	-0.23265	3.70E-07	-0.01131	0.80743
1.28E-05	0.134528	0.00358	0.364383	4.13E-16	0.269598	3.21E-09	0.176409	0.00013
0.04534	-0.17498	0.00014	-0.30216	2.58E-11	-0.2399	1.54E-07	0.169884	0.00023
0.00707	-0.21744	2.10E-06	-0.45406	3.92E-25	-0.33715	7.07E-14	-0.04589	0.32244
2.32E-08	-0.39651	4.94E-19	-0.5706	1.09E-41	-0.49517	2.94E-30	0.137431	0.00292

0.00019	-0.31599	2.74E-12	-0.47378	1.66E-27	-0.39474	7.29E-19	-0.26298	7.94E-09
3.32E-05	-0.15673	0.00068	-0.22884	5.78E-07	-0.03334	0.47228	-0.00125	0.97848
8.23E-05	-0.09786	0.0345	-0.27228	2.21E-09	-0.26225	8.76E-09	0.210874	4.29E-06
3.70E-09	-0.38264	9.88E-18	-0.46091	6.13E-26	-0.4611	5.82E-26	-0.27725	1.09E-09
3.26E-09	0.076981	0.0966	-0.14397	0.00181	0.052918	0.25375	-0.0046	0.92106
2.17E-06	-0.25448	2.45E-08	-0.32386	7.28E-13	-0.34096	3.54E-14	-0.04489	0.33303
1.70E-13	-0.20739	6.21E-06	-0.58339	6.18E-44	-0.48416	8.12E-29	-0.25956	1.26E-08
0.73358	-0.11155	0.01588	-0.28343	4.46E-10	-0.17248	0.00018	0.054778	0.23741
0.1381	-0.11473	0.0131	-0.2727	2.08E-09	-0.13781	0.00284	-0.20012	1.32E-05
0.19169	-0.37341	6.73E-17	-0.28403	4.09E-10	-0.19322	2.62E-05	-0.10268	0.0265
0.00755	-0.09558	0.03895	-0.19017	3.53E-05	-0.06496	0.16106	0.415797	6.01E-21
0.0115	-0.40984	2.42E-20	-0.52155	6.19E-34	-0.42291	1.10E-21	-0.10771	0.01991
0.00071	-0.30773	1.06E-11	-0.4591	1.01E-25	-0.36098	8.08E-16	0.094711	0.04077
1.18E-20	0.274276	1.67E-09	0.538296	1.93E-36	0.472014	2.75E-27	0.035955	0.43824
5.56E-18	-0.32377	7.38E-13	-0.63115	2.90E-53	-0.53137	2.18E-35	-0.14755	0.00139
5.19E-11	-0.44729	2.36E-24	-0.56528	8.72E-41	-0.53934	1.33E-36	-0.05804	0.21058
3.95E-13	-0.37941	1.95E-17	-0.7006	3.67E-70	-0.58093	1.70E-43	0.062532	0.17733
0.91511	-0.05967	0.19806	-0.23783	1.99E-07	-0.14078	0.00229	0.397085	4.35E-19
1.13E-05	0.205691	7.43E-06	0.046724	0.31367	0.179747	9.39E-05	0.377051	3.18E-17
0.00012	-0.20338	9.44E-06	-0.35508	2.53E-15	-0.29698	5.79E-11	0.122401	0.0081
0.94315	-0.10074	0.02949	-0.30516	1.60E-11	-0.16141	0.00046	-0.18578	5.37E-05
0.00014	0.10459	0.0238	-0.0875	0.05884	0.048268	0.29792	-0.18846	4.16E-05
2.63E-09	-0.16326	0.0004	-0.3245	6.52E-13	-0.34951	7.29E-15	-0.2257	8.30E-07
3.41E-11	-0.37774	2.75E-17	-0.52128	6.77E-34	-0.48825	2.39E-29	-0.04057	0.3817
9.43E-25	-0.41294	1.18E-20	-0.69692	3.82E-69	-0.65337	3.47E-58	-0.10992	0.01749
5.59E-16	-0.28835	2.16E-10	-0.4848	6.70E-29	-0.48019	2.61E-28	-0.01025	0.82523
0.00334	-0.19064	3.37E-05	-0.34436	1.90E-14	-0.25037	4.17E-08	0.129566	0.00504
4.01E-14	-0.30203	2.63E-11	-0.55258	1.08E-38	-0.4961	2.20E-30	0.009227	0.84237
0.09752	-0.14829	0.00131	-0.29849	4.59E-11	-0.22434	9.70E-07	0.56069	5.10E-40
0.0304	0.202011	1.09E-05	-0.23833	1.87E-07	-0.02723	0.55725	0.193851	2.46E-05
0.03581	-0.13277	0.00405	-0.29854	4.55E-11	-0.17758	0.00011	-0.02074	0.65491
9.01E-25	-0.40283	1.20E-19	-0.63488	4.63E-54	-0.60402	9.02E-48	0.137245	0.00296
0.65447	-0.18889	3.99E-05	-0.23146	4.25E-07	-0.15722	0.00065	-0.05537	0.23234
0.06641	-0.38991	2.09E-18	-0.38373	7.86E-18	-0.31624	2.63E-12	-0.09317	0.04417
1.56E-14	0.218815	1.81E-06	0.629543	6.37E-53	0.461899	4.67E-26	-0.02186	0.63745
2.63E-10	-0.3411	3.46E-14	-0.42237	1.25E-21	-0.40657	5.13E-20	-0.04098	0.37688
4.42E-06	-0.17483	0.00015	-0.35595	2.14E-15	-0.32614	4.91E-13	-0.07389	0.11077
8.12E-12	-0.4534	4.68E-25	-0.52864	5.60E-35	-0.53475	6.74E-36	-0.11692	0.01145
0.01831	-0.12553	0.0066	-0.27791	9.94E-10	-0.20986	4.78E-06	0.316689	2.44E-12
0.00022	-0.2972	5.60E-11	-0.3916	1.45E-18	-0.35841	1.33E-15	-0.11451	0.01328
0.02082	-0.08493	0.06668	-0.35832	1.36E-15	-0.24301	1.05E-07	-0.14059	0.00233
6.51E-15	-0.33765	6.46E-14	-0.45619	2.21E-25	-0.46066	6.56E-26	0.090373	0.05097
0.30259	-0.24085	1.37E-07	-0.49912	8.66E-31	-0.33305	1.47E-13	0.005783	0.9008
0.00113	-0.20874	5.39E-06	-0.19785	1.66E-05	-0.1174	0.01111	0.08413	0.06931
4.32E-06	0.024073	0.60383	0.320535	1.28E-12	0.027717	0.55018	-0.09913	0.03222

0.01713	-0.23095	4.51E-07	-0.21027	4.58E-06	-0.24744	6.05E-08	0.028328	0.54143
0.0419	-0.28077	6.58E-10	-0.27278	2.06E-09	-0.22913	5.58E-07	0.368395	1.86E-16
4.17E-17	-0.45789	1.40E-25	-0.59237	1.43E-45	-0.60331	1.24E-47	-0.08776	0.05808
3.22E-10	0.413826	9.55E-21	0.586479	1.72E-44	0.514523	6.34E-33	0.018453	0.69083
1.12E-12	-0.53824	1.97E-36	-0.63001	5.08E-53	-0.59418	6.61E-46	0.009751	0.83354
4.16E-05	-0.3424	2.73E-14	-0.55444	5.41E-39	-0.44529	3.99E-24	-0.29601	6.73E-11
0.57505	-0.1817	7.85E-05	-0.25958	1.25E-08	-0.2021	1.08E-05	0.048841	0.29222
0.03893	-0.0974	0.03536	-0.22609	7.94E-07	-0.22716	7.02E-07	-0.02347	0.61299
1.75E-20	-0.56578	7.18E-41	-0.68857	6.80E-67	-0.64631	1.41E-56	-0.3222	9.66E-13
0.01724	0.267756	4.14E-09	0.514857	5.69E-33	0.35384	3.21E-15	0.079649	0.08555
0.12106	-0.28774	2.36E-10	-0.29206	1.23E-10	-0.23844	1.84E-07	0.10662	0.0212
0.02274	-0.21467	2.85E-06	-0.39295	1.08E-18	-0.29662	6.13E-11	-0.01593	0.73135
0.12926	0.064037	0.16711	-0.22351	1.07E-06	-0.05558	0.23058	0.164006	0.00037
0.00081	0.19998	1.34E-05	0.328283	3.39E-13	0.283136	4.66E-10	-3.98E-05	0.99932
0.45325	0.011444	0.80518	-0.17717	0.00012	-0.04259	0.35841	0.368005	2.01E-16
2.86E-09	-0.37461	5.25E-17	-0.50991	2.84E-32	-0.50362	2.11E-31	-0.15315	0.0009
0.65441	-0.17992	9.24E-05	-0.36971	1.43E-16	-0.23642	2.36E-07	0.247428	6.06E-08
0.02608	-0.28038	6.96E-10	-0.48017	2.62E-28	-0.34753	1.06E-14	0.13104	0.00456
2.42E-05	-0.07748	0.09446	-0.37999	1.73E-17	-0.26474	6.26E-09	-0.04081	0.37887
3.27E-06	0.379655	1.85E-17	0.503022	2.55E-31	0.423253	1.01E-21	0.061967	0.18129
8.37E-08	-0.22621	7.83E-07	-0.43195	1.19E-22	-0.34948	7.33E-15	0.040258	0.38539
1.83E-17	-0.60419	8.38E-48	-0.71559	1.80E-74	-0.65716	4.57E-59	-0.15026	0.00113
0.00354	-0.26072	1.08E-08	-0.43059	1.67E-22	-0.35897	1.19E-15	-0.02409	0.6036
0.01116	-0.06987	0.13164	-0.17527	0.00014	-0.19643	1.91E-05	-0.02379	0.60813
3.33E-15	-0.45136	8.07E-25	-0.61679	2.73E-50	-0.57201	6.21E-42	-0.1735	0.00016
3.41E-09	-0.05418	0.2426	-0.27074	2.74E-09	-0.2765	1.22E-09	0.089536	0.05316
1.57E-05	0.402746	1.22E-19	0.686063	3.12E-66	0.48626	4.34E-29	0.034814	0.45293
0.05187	-0.18111	8.28E-05	-0.29209	1.23E-10	-0.18407	6.30E-05	0.068414	0.13989
0.00565	-0.07349	0.11276	-0.30045	3.38E-11	-0.24729	6.17E-08	-0.11942	0.00979
0.76984	-0.02023	0.66279	-0.32356	7.66E-13	-0.18755	4.53E-05	0.164161	0.00037
0.00065	-0.05862	0.20608	-0.23715	2.16E-07	-0.22239	1.21E-06	0.057549	0.21448
3.00E-06	-0.42723	3.83E-22	-0.58055	1.99E-43	-0.49534	2.78E-30	-0.06268	0.17631
0.69298	-0.0707	0.12709	-0.25101	3.84E-08	-0.13764	0.00288	0.210879	4.29E-06
0.00018	-0.33939	4.72E-14	-0.28321	4.61E-10	-0.32902	2.98E-13	-0.1804	8.85E-05
0.04318	-0.18192	7.69E-05	-0.41583	5.96E-21	-0.27935	8.08E-10	0.259024	1.35E-08
1.55E-05	0.004232	0.92732	-0.39758	3.90E-19	-0.26412	6.81E-09	-0.08172	0.0777
0.00244	-0.12095	0.00889	-0.16815	0.00026	-0.03999	0.3886	0.374575	5.29E-17
1.40E-15	-0.15078	0.00108	-0.38229	1.06E-17	-0.39447	7.74E-19	0.040933	0.37747
0.23379	0.047624	0.30443	-0.21766	2.05E-06	-0.12379	0.0074	0.244114	9.18E-08
0.00372	-0.40574	6.20E-20	-0.46993	4.97E-27	-0.38889	2.61E-18	-0.02186	0.63747
0.06837	-0.29025	1.62E-10	-0.23613	2.44E-07	-0.16876	0.00025	0.059312	0.20074
1.10E-09	-0.15184	0.001	-0.41232	1.36E-20	-0.34753	1.06E-14	-0.33345	1.37E-13
4.48E-09	-0.45549	2.67E-25	-0.55875	1.07E-39	-0.52431	2.44E-34	-0.08359	0.07114
4.45E-10	-0.27461	1.59E-09	-0.37911	2.07E-17	-0.3768	3.35E-17	-0.03294	0.47763
2.90E-25	-0.4273	3.77E-22	-0.70871	1.85E-72	-0.6762	1.08E-63	-0.20797	5.85E-06

0.00207	-0.33799	6.08E-14	-0.27727	1.09E-09	-0.26243	8.55E-09	-0.05637	0.22405
0.1654	0.034211	0.46079	-0.14217	0.00207	-0.00613	0.89497	0.133297	0.0039
0.02197	0.078272	0.09112	-0.18155	7.96E-05	-0.00645	0.88941	0.074659	0.10711
1.24E-12	-0.177	0.00012	-0.4117	1.57E-20	-0.35754	1.58E-15	-0.07729	0.09527
4.07E-16	-0.27345	1.87E-09	-0.43779	2.75E-23	-0.47041	4.34E-27	-0.08883	0.05507
2.43E-05	-0.06956	0.13334	-0.26083	1.06E-08	-0.2413	1.30E-07	0.051961	0.26244
2.30E-09	-0.38361	8.06E-18	-0.64563	2.01E-56	-0.51119	1.87E-32	-0.07658	0.09835
0.07046	0.024955	0.59063	-0.19638	1.92E-05	-0.13563	0.00332	-0.00846	0.8553
4.87E-05	-0.20997	4.73E-06	-0.31243	4.95E-12	-0.31559	2.93E-12	-0.03093	0.50488
0.81309	0.319721	1.47E-12	0.51537	4.81E-33	0.308145	9.93E-12	-0.10722	0.02048
0.00013	-0.40592	5.95E-20	-0.56185	3.27E-40	-0.47492	1.20E-27	0.086021	0.06326
0.08412	0.073973	0.11038	-0.25244	3.20E-08	-0.07219	0.11928	0.024062	0.60399
2.28E-18	0.266441	4.96E-09	0.431331	1.39E-22	0.442447	8.33E-24	0.204654	8.27E-06
2.22E-19	-0.49146	9.10E-30	-0.73878	1.02E-81	-0.69111	1.44E-67	-0.1149	0.01297
1.62E-06	0.349048	7.95E-15	0.445263	4.01E-24	0.44386	5.78E-24	-0.12935	0.00512
5.59E-07	0.509027	3.77E-32	0.455919	2.38E-25	0.445863	3.43E-24	0.11145	0.01597
0.00072	-0.24044	1.45E-07	-0.43096	1.53E-22	-0.35569	2.25E-15	-0.27082	2.71E-09
8.23E-12	-0.32341	7.85E-13	-0.46264	3.81E-26	-0.48444	7.48E-29	-0.04345	0.34877
0.00022	-0.49367	4.64E-30	-0.47528	1.08E-27	-0.45257	5.85E-25	0.031076	0.50291
3.48E-10	-0.42751	3.57E-22	-0.572	6.23E-42	-0.51813	1.93E-33	0.02118	0.64801
0.00189	-0.19996	1.34E-05	-0.38136	1.29E-17	-0.30357	2.07E-11	-0.12075	0.009
0.03376	-0.21241	3.64E-06	-0.32921	2.89E-13	-0.26222	8.80E-09	0.111291	0.01613
5.71E-15	-0.29168	1.30E-10	-0.57234	5.44E-42	-0.50217	3.33E-31	0.14197	0.0021
0.37393	0.109015	0.01845	0.277533	1.05E-09	0.167256	0.00028	0.050274	0.27827
8.26E-14	-0.42155	1.52E-21	-0.62748	1.73E-52	-0.55906	9.48E-40	-0.15677	0.00067
8.31E-05	0.331153	2.05E-13	0.28327	4.57E-10	0.244885	8.34E-08	0.032301	0.48622
7.74E-07	0.123283	0.00765	0.351737	4.79E-15	0.298452	4.61E-11	0.102411	0.0269
0.10043	-0.23883	1.76E-07	-0.6164	3.28E-50	-0.34688	1.19E-14	0.058332	0.2083
0.00038	0.01481	0.74956	-0.16731	0.00028	-0.0133	0.77433	0.292584	1.14E-10
0.07984	0.112864	0.01468	-0.07945	0.08634	0.01759	0.70459	0.216318	2.38E-06
0.19902	-0.26794	4.04E-09	-0.25147	3.62E-08	-0.15609	0.00071	0.286412	2.87E-10
2.02E-06	0.481119	1.99E-28	0.482678	1.26E-28	0.470781	3.91E-27	-0.14919	0.00122
4.58E-11	0.30893	8.74E-12	0.568006	3.01E-41	0.449338	1.38E-24	0.09819	0.03389
0.00386	-0.20551	7.57E-06	-0.35051	6.04E-15	-0.31625	2.63E-12	-0.26014	1.16E-08
0.03775	-0.1872	4.69E-05	-0.19837	1.57E-05	-0.10414	0.02441	0.029009	0.53175
0.00034	-0.20321	9.61E-06	-0.36699	2.46E-16	-0.34196	2.95E-14	0.060699	0.1904
3.98E-30	-0.38449	6.69E-18	-0.6375	1.26E-54	-0.62096	3.89E-51	-0.0974	0.03537
5.10E-05	0.050277	0.27825	0.513312	9.42E-33	0.297648	5.23E-11	-0.12796	0.00562
2.58E-12	-0.23662	2.30E-07	-0.47796	5.00E-28	-0.44181	9.82E-24	0.138378	0.00273
4.69E-19	-0.15474	0.00079	-0.42814	3.06E-22	-0.40573	6.22E-20	0.055389	0.23221
8.73E-18	-0.39397	8.63E-19	-0.65467	1.74E-58	-0.59219	1.54E-45	-0.10815	0.0194
4.09E-06	-0.0544	0.24066	-0.2655	5.64E-09	-0.04106	0.376	0.56916	1.91E-41
1.17E-06	-0.34343	2.25E-14	-0.64966	2.46E-57	-0.47071	3.99E-27	-0.05436	0.24105
9.94E-10	-0.15953	0.00054	-0.47045	4.30E-27	-0.37595	3.99E-17	0.033086	0.47567
4.82E-16	-0.47827	4.56E-28	-0.60811	1.45E-48	-0.58097	1.68E-43	-0.1326	0.0041

0.15057	-0.24056	1.42E-07	-0.19712	1.78E-05	-0.13533	0.00339	0.132277	0.00419
0.08764	-0.11939	0.00981	-0.28008	7.27E-10	-0.22501	8.99E-07	-0.0457	0.32437
0.23278	0.121101	0.0088	0.249272	4.79E-08	0.209924	4.75E-06	-0.11786	0.0108
6.93E-11	-0.30487	1.68E-11	-0.51315	9.93E-33	-0.42504	6.54E-22	-0.22357	1.06E-06
2.74E-09	-0.32814	3.48E-13	-0.60522	5.28E-48	-0.47191	2.84E-27	-0.03743	0.41965
1.09E-06	-0.42152	1.53E-21	-0.54106	7.23E-37	-0.46678	1.21E-26	-0.17061	0.00021
7.06E-11	-0.38295	9.26E-18	-0.54574	1.34E-37	-0.5051	1.32E-31	-0.11652	0.01174
7.04E-13	-0.37239	8.28E-17	-0.50171	3.86E-31	-0.50202	3.49E-31	-0.03381	0.46608
7.32E-13	-0.37737	2.98E-17	-0.53002	3.48E-35	-0.50291	2.64E-31	-0.27129	2.54E-09
0.0195	-0.2647	6.29E-09	-0.33337	1.39E-13	-0.19175	3.03E-05	0.213688	3.17E-06
3.08E-05	0.037323	0.42101	-0.10421	0.02432	0.069805	0.13199	0.109195	0.01825
0.00111	-0.14378	0.00184	-0.21407	3.04E-06	-0.11052	0.01688	0.176394	0.00013
9.95E-10	-0.40515	7.09E-20	-0.58939	5.06E-45	-0.52516	1.83E-34	0.018834	0.68478
0.72909	0.143299	0.00191	-0.2978	5.11E-11	-0.10905	0.0184	0.141872	0.00212
0.2902	-0.11658	0.0117	-0.28125	6.13E-10	-0.14774	0.00137	0.144263	0.00177
0.00381	-0.153	0.00091	-0.24682	6.54E-08	-0.211	4.24E-06	-0.3403	4.00E-14
0.00339	-0.26382	7.09E-09	-0.36501	3.65E-16	-0.36216	6.41E-16	0.214586	2.88E-06
0.00389	-0.25179	3.47E-08	-0.42862	2.72E-22	-0.33316	1.44E-13	-0.13079	0.00464
0.84828	-0.22916	5.56E-07	-0.25741	1.67E-08	-0.19132	3.16E-05	0.496562	1.91E-30
0.03728	-0.11945	0.00978	-0.20985	4.79E-06	-0.18503	5.76E-05	-0.03208	0.4892
0.69645	-0.14143	0.00219	-0.3353	9.84E-14	-0.18848	4.15E-05	0.080174	0.0835
8.22E-07	-0.21995	1.59E-06	-0.47083	3.85E-27	-0.39933	2.64E-19	0.282184	5.36E-10
5.37E-07	-0.27224	2.22E-09	-0.42457	7.33E-22	-0.38348	8.28E-18	-0.01442	0.75589
8.46E-17	-0.55243	1.15E-38	-0.66945	5.17E-62	-0.63124	2.79E-53	-0.18436	6.13E-05
1.11E-12	-0.46798	8.61E-27	-0.64525	2.44E-56	-0.59113	2.42E-45	-0.26948	3.26E-09
0.00124	0.150259	0.00113	-0.2394	1.64E-07	-0.16224	0.00043	0.349838	6.85E-15
2.36E-07	-0.53529	5.58E-36	-0.552	1.34E-38	-0.50634	8.90E-32	-0.15053	0.0011
0.04272	-0.28751	2.44E-10	-0.26865	3.66E-09	-0.16904	0.00024	-0.1759	0.00013
2.32E-12	-0.34538	1.57E-14	-0.60005	5.20E-47	-0.53832	1.92E-36	-0.05904	0.2028
3.62E-08	-0.46632	1.37E-26	-0.59659	2.34E-46	-0.52925	4.54E-35	-0.20623	7.02E-06
0.19474	-0.01308	0.77806	-0.2007	1.24E-05	-0.09624	0.03763	0.136346	0.00315
2.96E-25	-0.47392	1.60E-27	-0.61293	1.62E-49	-0.62008	5.89E-51	-0.25981	1.21E-08
1.65E-16	-0.47712	6.37E-28	-0.6769	7.17E-64	-0.60068	3.95E-47	-0.10232	0.02704
1.76E-09	0.287331	2.51E-10	0.604176	8.42E-48	0.446182	3.16E-24	0.160346	0.0005
0.1545	-0.37195	9.05E-17	-0.3226	9.02E-13	-0.25574	2.08E-08	0.049531	0.28545
1.73E-19	-0.45154	7.70E-25	-0.53899	1.51E-36	-0.56804	2.97E-41	-0.18791	4.38E-05
1.28E-06	-0.10673	0.02106	-0.45821	1.28E-25	-0.33269	1.56E-13	-0.14222	0.00206
0.70057	-0.11618	0.01199	-0.20994	4.75E-06	-0.11331	0.01429	0.108081	0.01948
0.02322	-0.0157	0.73514	-0.29237	1.18E-10	-0.17047	0.00021	0.107527	0.02012
0.95561	-0.15565	0.00074	-0.35688	1.79E-15	-0.17535	0.00014	0.052258	0.25972
0.65908	-0.03006	0.51694	-0.25041	4.14E-08	-0.1639	0.00038	0.205768	7.37E-06
3.24E-07	0.509036	3.76E-32	0.49271	6.22E-30	0.476088	8.58E-28	-0.06054	0.19153
0.33705	-0.2375	2.07E-07	-0.21274	3.52E-06	-0.19585	2.02E-05	0.265521	5.63E-09
0.3473	-0.32931	2.84E-13	-0.45154	7.69E-25	-0.34452	1.85E-14	0.190187	3.52E-05
0.00032	-0.23448	2.97E-07	-0.36199	6.63E-16	-0.31347	4.17E-12	0.247409	6.07E-08

0.06533	-0.39007	2.02E-18	-0.39339	9.81E-19	-0.32577	5.24E-13	0.064462	0.1643
3.58E-06	-0.13967	0.00249	-0.37569	4.21E-17	-0.33153	1.92E-13	0.338767	5.28E-14
4.33E-06	-0.27462	1.59E-09	-0.50661	8.17E-32	-0.40448	8.27E-20	0.00237	0.95926
0.07149	0.207946	5.86E-06	-0.23351	3.34E-07	-0.04454	0.33685	0.222065	1.26E-06
0.86793	-0.15697	0.00066	-0.22239	1.21E-06	-0.15751	0.00064	0.442849	7.51E-24
0.25055	0.141185	0.00223	-0.34146	3.24E-14	-0.13619	0.00319	0.02858	0.53783
0.00232	0.086779	0.06096	-0.22447	9.56E-07	-0.04928	0.28785	0.484985	6.35E-29
4.73E-06	-0.19793	1.64E-05	-0.39191	1.35E-18	-0.30845	9.44E-12	-0.15095	0.00107
0.88719	0.1271	0.00595	0.289738	1.75E-10	0.195439	2.11E-05	0.015016	0.7462
8.97E-13	-0.38044	1.57E-17	-0.59601	3.01E-46	-0.51261	1.18E-32	-0.22358	1.06E-06
0.91047	-0.25536	2.18E-08	-0.03831	0.40876	-0.12597	0.00641	-0.03318	0.47448
0.02486	-0.12346	0.00756	-0.43087	1.56E-22	-0.30048	3.36E-11	0.083753	0.07057
5.92E-09	0.310601	6.66E-12	0.476839	6.90E-28	0.42759	3.51E-22	0.386668	4.20E-18
9.31E-11	-0.43711	3.26E-23	-0.60772	1.73E-48	-0.53055	2.90E-35	0.065742	0.15607
9.84E-12	-0.11016	0.01724	-0.47338	1.87E-27	-0.40715	4.49E-20	-0.04067	0.3805
0.01471	0.344832	1.74E-14	0.339406	4.70E-14	0.281391	6.01E-10	0.008173	0.86018
0.00342	-0.16134	0.00046	-0.22805	6.33E-07	-0.21103	4.22E-06	0.063948	0.1677
0.05115	0.042014	0.365	-0.13366	0.00381	-0.15033	0.00112	-0.19771	1.68E-05
0.09159	-0.09701	0.03611	-0.33378	1.29E-13	-0.22306	1.12E-06	-0.20624	7.01E-06
0.02867	-0.15841	0.00059	-0.24822	5.48E-08	-0.18679	4.87E-05	0.049319	0.28752
2.14E-09	-0.28787	2.32E-10	-0.57684	8.98E-43	-0.47817	4.69E-28	0.019698	0.67114
2.39E-08	-0.30351	2.09E-11	-0.46646	1.32E-26	-0.43071	1.62E-22	-0.19066	3.36E-05
4.33E-15	0.05599	0.22718	-0.04535	0.32813	0.147874	0.00135	0.502471	3.03E-31
0.6517	-0.1583	0.0006	-0.38541	5.50E-18	-0.21119	4.15E-06	0.042389	0.36072
3.32E-12	0.411834	1.52E-20	0.512593	1.19E-32	0.453283	4.83E-25	-0.07412	0.10966
0.1667	-0.16975	0.00023	-0.39329	1.00E-18	-0.25502	2.28E-08	0.337404	6.75E-14
0.0003	-0.11829	0.01052	-0.33029	2.39E-13	-0.28197	5.53E-10	0.308179	9.87E-12
5.64E-06	-0.31434	3.61E-12	-0.41061	2.02E-20	-0.37321	7.00E-17	-0.10388	0.02477
0.00079	-0.31121	6.03E-12	-0.40337	1.06E-19	-0.32991	2.55E-13	0.141496	0.00218
0.12339	-0.28788	2.31E-10	-0.28336	4.51E-10	-0.20969	4.87E-06	0.036795	0.42762
0.01206	-0.10012	0.03051	-0.09264	0.04539	-0.03848	0.40675	0.101566	0.02819
4.86E-15	-0.47908	3.60E-28	-0.67293	7.09E-63	-0.59119	2.37E-45	-0.01895	0.68288
0.03609	-0.12034	0.00924	-0.29829	4.73E-11	-0.12874	0.00533	-0.02727	0.55661
5.90E-09	0.078734	0.08922	0.39716	4.27E-19	0.303681	2.03E-11	0.010607	0.81918
0.09036	-0.11172	0.01572	-0.1707	0.00021	-0.06902	0.13639	0.387849	3.26E-18
5.87E-07	0.407382	4.26E-20	0.476848	6.89E-28	0.419575	2.45E-21	0.044138	0.34123
6.98E-33	0.468211	8.07E-27	0.704174	3.65E-71	0.679436	1.62E-64	0.016309	0.72519
0.8126	0.156603	0.00068	0.480061	2.71E-28	0.239379	1.65E-07	-0.1319	0.0043
0.00091	0.026018	0.57491	-0.14616	0.00154	-0.00478	0.91794	0.117108	0.01132
0.17247	-0.14568	0.0016	-0.24096	1.36E-07	-0.18901	3.94E-05	0.182232	7.47E-05
0.01692	0.102143	0.0273	0.401521	1.61E-19	0.258633	1.42E-08	-0.02431	0.60033
0.0022	0.419348	2.58E-21	0.401614	1.58E-19	0.355096	2.52E-15	0.042942	0.35448
0.00922	-0.17374	0.00016	-0.2016	1.13E-05	-0.22724	6.96E-07	-0.2329	3.58E-07
3.19E-05	-0.36142	7.41E-16	-0.50896	3.85E-32	-0.44412	5.40E-24	0.061192	0.18681
2.19E-10	0.184517	6.04E-05	0.281187	6.19E-10	0.276731	1.18E-09	0.188007	4.34E-05



0.68233	-0.25238	3.22E-08	-0.33247	1.63E-13	-0.22949	5.36E-07	0.262402	8.59E-09
0.00016	-0.38255	1.01E-17	-0.46444	2.31E-26	-0.41365	9.95E-21	-0.03549	0.44418
0.02865	-0.12077	0.00899	-0.27861	8.99E-10	-0.11481	0.01304	0.270014	3.03E-09
0.76301	-0.24946	4.68E-08	-0.28657	2.81E-10	-0.22799	6.38E-07	-0.12859	0.00539
0.03137	-0.24383	9.51E-08	-0.40784	3.83E-20	-0.28037	6.98E-10	-0.20024	1.30E-05
0.07334	-0.03749	0.41891	-0.46125	5.58E-26	-0.23801	1.94E-07	-0.02583	0.57773
5.00E-07	0.320428	1.30E-12	0.481482	1.79E-28	0.358068	1.42E-15	0.059449	0.19971
2.39E-15	-0.09725	0.03565	-0.46387	2.71E-26	-0.39135	1.53E-18	0.126917	0.00602
2.99E-19	-0.20662	6.74E-06	-0.54959	3.27E-38	-0.48687	3.63E-29	0.073475	0.11281
0.02264	0.018415	0.69142	-0.35669	1.86E-15	-0.2437	9.67E-08	0.057125	0.21789
0.8259	-0.0985	0.03332	-0.25693	1.78E-08	-0.14414	0.00179	0.291714	1.30E-10
3.21E-06	-0.10133	0.02856	-0.36488	3.74E-16	-0.31329	4.29E-12	-0.0486	0.29462
0.00056	-0.29533	7.48E-11	-0.42838	2.89E-22	-0.36179	6.89E-16	0.114359	0.01341
1.69E-13	-0.44858	1.69E-24	-0.62466	6.71E-52	-0.55447	5.35E-39	-0.18375	6.49E-05
5.80E-22	-0.39212	1.29E-18	-0.54728	7.62E-38	-0.55369	7.18E-39	-0.02329	0.61572
0.20883	-0.30614	1.37E-11	-0.3914	1.52E-18	-0.23665	2.29E-07	0.171384	0.0002
1.16E-14	-0.17974	9.40E-05	-0.48708	3.40E-29	-0.42748	3.60E-22	-0.11804	0.01068
1.26E-10	-0.10609	0.02186	-0.47853	4.23E-28	-0.39387	8.83E-19	-0.01402	0.76246
0.00128	0.383237	8.71E-18	0.667151	1.88E-61	0.43725	3.15E-23	0.047203	0.30873
8.73E-06	0.402205	1.38E-19	0.742313	6.88E-83	0.526136	1.32E-34	0.062023	0.18089
3.76E-05	0.42912	2.41E-22	0.717321	5.50E-75	0.521782	5.73E-34	-0.02695	0.56121
0.96799	0.044652	0.33563	0.530696	2.76E-35	0.209604	4.92E-06	-0.0241	0.60344
0.00445	-0.28445	3.84E-10	-0.35655	1.91E-15	-0.25431	2.51E-08	0.09743	0.0353
0.02719	0.349498	7.30E-15	0.458511	1.18E-25	0.328519	3.25E-13	-0.06393	0.16783
0.20175	-0.31449	3.52E-12	-0.33835	5.69E-14	-0.28159	5.84E-10	-0.03705	0.42437
0.01274	-0.07669	0.09788	-0.48154	1.76E-28	-0.28573	3.18E-10	-0.02994	0.51862
2.78E-08	-0.20151	1.14E-05	-0.54833	5.21E-38	-0.44655	2.87E-24	0.020162	0.66386
0.00018	0.029453	0.52548	-0.23593	2.50E-07	-0.04119	0.37448	0.067518	0.14516
0.00073	-0.21417	3.01E-06	-0.28801	2.26E-10	-0.25759	1.63E-08	-0.03444	0.45781
0.00021	-0.27799	9.82E-10	-0.36744	2.25E-16	-0.36047	8.92E-16	-0.06343	0.17117
0.02527	-0.18763	4.50E-05	-0.33844	5.60E-14	-0.2712	2.57E-09	0.32532	5.66E-13
7.80E-07	0.549204	3.77E-38	0.471302	3.37E-27	0.470799	3.89E-27	0.037166	0.42297
5.10E-14	0.09367	0.04305	-0.0343	0.45961	0.17459	0.00015	0.199134	1.46E-05
0.05483	-0.14812	0.00133	-0.23745	2.08E-07	-0.1148	0.01305	-0.01406	0.7618
6.34E-06	-0.44423	5.24E-24	-0.67093	2.23E-62	-0.5048	1.45E-31	-0.07337	0.11333
0.00021	-0.13677	0.00306	-0.29401	9.15E-11	-0.04737	0.30703	0.173665	0.00016
5.63E-07	0.268107	3.95E-09	0.449649	1.27E-24	0.358333	1.35E-15	0.055041	0.23516
5.74E-20	-0.28683	2.70E-10	-0.54183	5.48E-37	-0.50755	6.06E-32	-0.14642	0.00151
0.00713	-0.36521	3.51E-16	-0.43167	1.28E-22	-0.33274	1.55E-13	0.087327	0.05933
9.96E-10	-0.41302	1.15E-20	-0.65421	2.22E-58	-0.54825	5.36E-38	0.175655	0.00014
2.31E-14	-0.22243	1.20E-06	-0.5188	1.55E-33	-0.4374	3.03E-23	0.116698	0.01161
0.00395	-0.51186	1.51E-32	-0.484	8.50E-29	-0.42837	2.90E-22	-0.03914	0.39878
2.93E-05	-0.40803	3.67E-20	-0.49487	3.22E-30	-0.41468	7.82E-21	-0.07263	0.11702
1.51E-08	0.347335	1.09E-14	0.011998	0.79594	0.211106	4.19E-06	0.197067	1.79E-05
0.03285	-0.03405	0.46293	-0.20991	4.76E-06	-0.08067	0.08162	0.122062	0.00828

0.00309	-0.25445	2.46E-08	-0.4504	1.04E-24	-0.33765	6.46E-14	0.051512	0.2666
0.91995	0.180093	9.10E-05	0.280743	6.60E-10	0.186136	5.19E-05	-0.03134	0.49934
0.00113	0.219604	1.65E-06	0.443406	6.50E-24	0.330815	2.18E-13	0.187426	4.59E-05
0.79861	-0.11878	0.0102	-0.2455	7.72E-08	-0.15246	0.00095	0.544972	1.77E-37
3.23E-24	0.305113	1.61E-11	0.510366	2.45E-32	0.504999	1.36E-31	0.044532	0.33693
0.29447	0.110874	0.01653	0.227383	6.84E-07	0.157279	0.00065	0.026382	0.56957
0.75266	-0.2707	2.76E-09	-0.22272	1.17E-06	-0.21366	3.18E-06	0.105757	0.02227
1.30E-05	0.493161	5.42E-30	0.470517	4.21E-27	0.424943	6.70E-22	0.166953	0.00029
0.02214	0.025714	0.57938	0.480655	2.28E-28	0.258479	1.45E-08	-0.05494	0.23601
0.26226	-0.27076	2.73E-09	-0.28598	3.06E-10	-0.25572	2.09E-08	-0.03081	0.50659
2.48E-08	-0.3062	1.36E-11	-0.44646	2.94E-24	-0.41289	1.19E-20	0.255753	2.08E-08
0.37098	-0.27538	1.43E-09	-0.35805	1.43E-15	-0.21642	2.35E-06	0.117385	0.01113
3.27E-05	-0.07164	0.12209	-0.31125	5.99E-12	-0.25229	3.26E-08	0.098315	0.03366
0.06556	-0.1733	0.00017	-0.29759	5.27E-11	-0.20678	6.62E-06	0.016305	0.72527
6.72E-07	-0.21559	2.58E-06	-0.38575	5.11E-18	-0.31217	5.16E-12	-0.13675	0.00307
5.55E-13	-0.25124	3.72E-08	-0.64574	1.89E-56	-0.48263	1.27E-28	-0.24559	7.64E-08
0.2584	0.06444	0.16445	-0.11005	0.01736	-0.03737	0.42046	0.166297	0.00031
0.01125	0.263636	7.27E-09	0.333837	1.28E-13	0.242563	1.11E-07	0.190968	3.27E-05
0.06357	-0.03131	0.49968	-0.31756	2.11E-12	-0.11943	0.00979	-0.07317	0.11432
0.00069	-0.04955	0.28529	-0.2685	3.74E-09	-0.24687	6.50E-08	-0.10709	0.02063
5.18E-05	0.050539	0.27575	0.272559	2.12E-09	0.211884	3.85E-06	0.185828	5.34E-05
0.00032	0.429093	2.42E-22	0.734423	2.69E-80	0.476271	8.14E-28	0.052346	0.25892
0.09575	-0.03399	0.46365	-0.19707	1.79E-05	-0.06976	0.13221	0.271962	2.31E-09
4.27E-05	-0.0203	0.66172	-0.14244	0.00203	-0.03626	0.43435	-0.08452	0.06801
1.99E-05	0.117768	0.01086	-0.08956	0.0531	0.093267	0.04396	0.10858	0.01892
0.06681	-0.33614	8.47E-14	-0.3385	5.54E-14	-0.30024	3.49E-11	-0.34849	8.83E-15
1.15E-07	-0.20461	8.31E-06	-0.15198	0.00099	-0.01051	0.82074	0.182079	7.58E-05
0.61133	-0.2021	1.08E-05	-0.27762	1.04E-09	-0.18591	5.30E-05	0.280986	6.38E-10
0.00491	-0.28462	3.75E-10	-0.44533	3.94E-24	-0.34239	2.73E-14	-0.11879	0.01019
0.21201	-0.20664	6.72E-06	-0.34748	1.07E-14	-0.23173	4.12E-07	0.110005	0.0174
6.18E-11	-0.15013	0.00114	-0.52167	5.94E-34	-0.41026	2.20E-20	-0.11028	0.01713
0.25515	-0.07814	0.09166	-0.21646	2.34E-06	-0.10076	0.02947	0.291502	1.34E-10
0.20709	-0.1345	0.00359	-0.17487	0.00015	-0.16258	0.00042	0.107253	0.02044
4.66E-21	0.294386	8.64E-11	0.607587	1.84E-48	0.558382	1.23E-39	0.260018	1.18E-08
0.00017	-0.33012	2.46E-13	-0.52078	8.01E-34	-0.38884	2.63E-18	-0.15073	0.00109
5.03E-11	0.24137	1.29E-07	-0.00701	0.87998	0.167713	0.00027	0.156437	0.00069
2.39E-05	-0.07097	0.12566	-0.07504	0.10533	-0.00884	0.84885	0.132487	0.00413
0.06224	-0.12002	0.00943	-0.28386	4.19E-10	-0.20817	5.72E-06	0.322683	8.89E-13
0.27247	0.031864	0.49214	-0.20031	1.29E-05	-0.09965	0.03132	0.328665	3.17E-13
4.57E-09	0.118536	0.01035	-0.09509	0.03997	0.093939	0.04245	0.366622	2.65E-16
0.11995	-0.24155	1.26E-07	-0.37471	5.15E-17	-0.27452	1.61E-09	0.029928	0.51882
1.22E-07	0.298353	4.68E-11	0.58593	2.16E-44	0.464831	2.08E-26	0.082974	0.07323
0.00012	-0.54604	1.20E-37	-0.52131	6.71E-34	-0.48925	1.77E-29	-0.05179	0.26405
0.09583	-0.17028	0.00022	-0.24382	9.52E-08	-0.14807	0.00133	0.328058	3.53E-13
4.13E-08	-0.04918	0.28889	-0.31272	4.71E-12	-0.28143	5.98E-10	0.001003	0.98275

0.8698	0.156021	0.00072	-0.18831	4.22E-05	-0.09368	0.04301	0.246237	7.04E-08
0.09857	-0.00845	0.8555	-0.30099	3.10E-11	-0.2117	3.93E-06	0.094978	0.0402
0.47088	-0.1219	0.00836	-0.20261	1.02E-05	-0.14958	0.00119	0.366494	2.72E-16
4.47E-06	-0.29376	9.51E-11	-0.22189	1.28E-06	-0.08676	0.061	0.248714	5.15E-08
0.51789	0.004239	0.92721	-0.22897	5.69E-07	-0.06962	0.13301	-0.20102	1.20E-05
0.46546	-0.14756	0.00138	-0.37684	3.32E-17	-0.21768	2.05E-06	0.407034	4.61E-20
0.76228	-0.18733	4.63E-05	-0.23663	2.30E-07	-0.19644	1.91E-05	0.35987	1.00E-15
4.87E-11	-0.209	5.24E-06	-0.35986	1.01E-15	-0.34389	2.07E-14	-0.06843	0.13982
0.10993	-0.26582	5.40E-09	-0.34423	1.95E-14	-0.28576	3.16E-10	-0.23044	4.79E-07
0.0016	-0.28297	4.78E-10	-0.13353	0.00384	-0.07875	0.08914	0.05625	0.22503
0.00031	0.279756	7.62E-10	0.326199	4.87E-13	0.250798	3.95E-08	0.102519	0.02674
0.40349	-0.20548	7.59E-06	-0.28165	5.79E-10	-0.18209	7.57E-05	0.140803	0.00229
1.73E-09	-0.3734	6.74E-17	-0.5422	4.81E-37	-0.46671	1.23E-26	-0.12877	0.00532
0.0005	-0.44149	1.07E-23	-0.50311	2.48E-31	-0.41714	4.37E-21	0.012407	0.78915
1.17E-09	0.04404	0.3423	-0.15458	0.0008	0.058206	0.20929	0.094053	0.0422
1.28E-09	-0.3943	8.03E-19	-0.55011	2.71E-38	-0.49391	4.32E-30	0.030424	0.51192
0.07196	0.040082	0.38748	-0.11342	0.01419	0.022295	0.63082	0.167442	0.00028
0.05015	-0.12833	0.00548	-0.21751	2.09E-06	-0.08106	0.08013	0.340629	3.77E-14
0.00256	-0.13484	0.00351	-0.28922	1.89E-10	-0.0667	0.15012	0.224545	9.48E-07
0.84406	-0.25815	1.51E-08	-0.32202	9.95E-13	-0.25471	2.38E-08	0.074223	0.10918
0.26074	-0.24636	6.93E-08	-0.41533	6.70E-21	-0.3082	9.85E-12	0.205395	7.66E-06
1.88E-06	0.44785	2.04E-24	0.484639	7.04E-29	0.429011	2.47E-22	0.193709	2.50E-05
1.12E-06	0.414338	8.47E-21	0.429004	2.48E-22	0.410828	1.92E-20	0.11375	0.01391
3.65E-13	-0.02129	0.64628	-0.12354	0.00752	0.078838	0.0888	0.074759	0.10664
0.58338	-0.34298	2.45E-14	-0.21935	1.70E-06	-0.21204	3.79E-06	0.078483	0.09024
0.94882	-0.07721	0.09561	-0.21873	1.82E-06	-0.1486	0.00128	0.059436	0.1998
0.21769	-0.2657	5.49E-09	-0.42069	1.87E-21	-0.27922	8.24E-10	0.036484	0.43153
0.98247	-0.20555	7.53E-06	-0.31175	5.52E-12	-0.21379	3.14E-06	-0.11176	0.01568
0.23198	-0.12071	0.00902	-0.19331	2.60E-05	-0.16105	0.00048	0.240807	1.38E-07
3.22E-05	-0.35115	5.35E-15	-0.43169	1.27E-22	-0.36604	2.97E-16	0.296741	6.01E-11
0.00038	-0.37328	6.90E-17	-0.52335	3.38E-34	-0.40652	5.19E-20	0.19839	1.57E-05
0.16304	-0.11706	0.01136	-0.36083	8.32E-16	-0.25169	3.52E-08	0.404444	8.33E-20
0.00036	0.3545	2.83E-15	0.470127	4.70E-27	0.419839	2.30E-21	0.181745	7.82E-05
0.79661	-0.20494	8.03E-06	-0.29271	1.12E-10	-0.2069	6.54E-06	-0.02756	0.55251
0.73799	0.419557	2.46E-21	0.432032	1.17E-22	0.290399	1.58E-10	-0.03605	0.43709
0.39403	-0.19034	3.47E-05	-0.25316	2.91E-08	-0.17825	0.00011	0.058523	0.20681
8.21E-25	-0.44726	2.38E-24	-0.67663	8.40E-64	-0.64599	1.67E-56	-0.06887	0.13727
5.00E-27	-0.42362	9.25E-22	-0.70213	1.38E-70	-0.66149	4.34E-60	-0.1245	0.00706
5.75E-05	-0.29099	1.45E-10	-0.47001	4.86E-27	-0.40054	2.01E-19	-0.35253	4.12E-15
3.76E-12	-0.37366	6.38E-17	-0.48939	1.70E-29	-0.49264	6.36E-30	-0.11274	0.01478
0.00045	0.244281	8.99E-08	0.274311	1.66E-09	0.285415	3.33E-10	-0.26998	3.05E-09
0.33634	-0.34819	9.34E-15	-0.36454	4.01E-16	-0.28045	6.89E-10	0.132717	0.00406
0.00036	-0.2842	3.99E-10	-0.37334	6.82E-17	-0.33797	6.10E-14	0.041898	0.36632
0.0056	-0.34741	1.08E-14	-0.49567	2.51E-30	-0.35392	3.16E-15	-0.0471	0.30974
9.84E-16	-0.31677	2.41E-12	-0.48403	8.42E-29	-0.47294	2.11E-27	-0.08541	0.06515

1.35E-06	0.249714	4.53E-08	0.395007	6.88E-19	0.319585	1.50E-12	0.055792	0.22883
3.51E-07	-0.47403	1.55E-27	-0.57741	7.13E-43	-0.50656	8.30E-32	0.011401	0.8059
0.14004	-0.15972	0.00053	-0.25651	1.88E-08	-0.24562	7.61E-08	0.012415	0.78902
5.44E-19	0.385601	5.28E-18	0.623707	1.06E-51	0.568227	2.76E-41	-0.16575	0.00032
0.07123	0.070141	0.13014	0.336213	8.36E-14	0.224473	9.56E-07	0.24037	1.46E-07
8.03E-14	-0.3592	1.14E-15	-0.68851	7.06E-67	-0.56402	1.42E-40	0.000944	0.98378
0.48955	-0.20055	1.26E-05	-0.30044	3.38E-11	-0.2057	7.42E-06	0.019684	0.67136
2.52E-21	-0.53087	2.59E-35	-0.72573	1.51E-77	-0.66317	1.72E-60	-0.27496	1.51E-09
0.00091	-0.46548	1.73E-26	-0.51282	1.11E-32	-0.44984	1.21E-24	-0.02682	0.56316
4.25E-06	-0.13961	0.0025	-0.36833	1.88E-16	-0.30063	3.28E-11	-0.17856	0.0001
0.02151	0.272157	2.25E-09	0.446	3.31E-24	0.339911	4.29E-14	0.163815	0.00038
0.3797	-0.12364	0.00747	-0.21272	3.52E-06	-0.15196	0.00099	0.2926	1.13E-10
0.00018	-0.23459	2.93E-07	-0.29676	5.99E-11	-0.28793	2.29E-10	-0.05092	0.27214
0.00076	-0.41686	4.67E-21	-0.44573	3.55E-24	-0.39742	4.03E-19	0.084275	0.06883
0.0033	-0.06638	0.15205	-0.36756	2.19E-16	-0.23433	3.03E-07	0.416881	4.65E-21
2.11E-05	-0.13629	0.00317	0.171313	0.0002	0.09625	0.03759	0.245253	7.96E-08
5.29E-05	0.094784	0.04062	0.460062	7.73E-26	0.266106	5.19E-09	0.143856	0.00183
9.74E-08	0.020872	0.65279	-0.3018	2.73E-11	-0.23952	1.62E-07	0.100836	0.02935
0.6048	-0.21783	2.01E-06	-0.31444	3.55E-12	-0.19453	2.30E-05	-0.25671	1.83E-08
0.00098	0.035508	0.44396	0.289464	1.82E-10	0.185252	5.64E-05	-0.02044	0.65945
0.00017	-0.21267	3.54E-06	-0.4648	2.10E-26	-0.36302	5.41E-16	-0.09431	0.04163
6.03E-14	0.182682	7.17E-05	0.575366	1.63E-42	0.48936	1.72E-29	0.07206	0.11993
4.44E-05	-0.38259	9.99E-18	-0.42321	1.02E-21	-0.39851	3.17E-19	-0.06683	0.14934
0.07261	-0.22053	1.49E-06	-0.25923	1.31E-08	-0.11893	0.0101	0.045096	0.33084
0.71019	0.084805	0.0671	-0.10154	0.02823	-0.04255	0.35895	0.124796	0.00693
0.00025	0.16344	0.00039	0.244988	8.23E-08	0.225699	8.31E-07	-0.01044	0.8219
0.64477	0.261585	9.58E-09	-0.11121	0.01621	-0.01322	0.77577	0.323339	7.95E-13
0.07775	0.083072	0.07289	-0.11633	0.01188	-0.01908	0.68084	0.378511	2.35E-17
4.93E-20	-0.3765	3.56E-17	-0.63805	9.54E-55	-0.59746	1.60E-46	-0.06152	0.18444
4.37E-15	-0.21277	3.50E-06	-0.5431	3.48E-37	-0.45686	1.85E-25	0.057776	0.21268
0.30405	0.170758	0.00021	0.361047	7.97E-16	0.167858	0.00027	-0.1446	0.00173
0.32844	0.291351	1.37E-10	0.269616	3.20E-09	0.168812	0.00025	-0.16193	0.00044
2.52E-09	-0.4287	2.67E-22	-0.54292	3.71E-37	-0.5048	1.46E-31	0.006503	0.88853
0.01274	-0.37489	4.96E-17	-0.44645	2.95E-24	-0.37366	6.39E-17	0.088012	0.05736
0.04514	-0.30717	1.16E-11	-0.20376	9.08E-06	-0.16468	0.00035	0.191064	3.24E-05
0.17981	-0.05114	0.27005	-0.12861	0.00538	-0.02667	0.56538	0.053076	0.25232
2.43E-05	0.104001	0.0246	-0.08547	0.06498	0.058772	0.20488	0.116889	0.01147
2.82E-05	0.214538	2.89E-06	0.524624	2.20E-34	0.340461	3.88E-14	0.006542	0.88787
0.0054	-0.07869	0.08939	-0.16519	0.00034	-0.05404	0.24385	0.426466	4.62E-22
0.59794	0.066995	0.14831	-0.236	2.48E-07	-0.10525	0.02293	0.277052	1.12E-09
7.57E-06	-0.07547	0.10332	-0.43649	3.82E-23	-0.28626	2.94E-10	-0.1239	0.00735
0.08373	-0.18961	3.72E-05	-0.37011	1.31E-16	-0.26696	4.62E-09	0.266318	5.05E-09
0.47241	-0.16738	0.00028	-0.23382	3.22E-07	-0.16007	0.00052	0.518583	1.66E-33
3.75E-06	-0.28022	7.12E-10	-0.54608	1.18E-37	-0.42832	2.94E-22	-0.08997	0.05201
0.36349	-0.1945	2.31E-05	-0.31577	2.85E-12	-0.16262	0.00042	-0.12948	0.00507

1.32E-06	0.017566	0.70497	-0.17886	0.0001	0.05643	0.22354	0.496146	2.17E-30
0.00217	-0.32478	6.21E-13	-0.57751	6.83E-43	-0.39132	1.54E-18	-0.20808	5.78E-06
7.70E-07	-0.01529	0.74168	-0.31272	4.71E-12	-0.25144	3.63E-08	0.122269	0.00817
9.33E-23	-0.30318	2.19E-11	-0.62882	9.07E-53	-0.57654	1.01E-42	-0.02489	0.59162
4.51E-09	-0.1232	0.00769	-0.49922	8.38E-31	-0.40723	4.41E-20	0.020462	0.65918
0.03324	-0.02904	0.53126	-0.21318	3.35E-06	-0.06702	0.14815	0.199182	1.45E-05
0.00148	0.41497	7.30E-21	0.423331	9.91E-22	0.370161	1.30E-16	-0.0973	0.03555
0.05681	-0.23578	2.54E-07	-0.23143	4.27E-07	-0.18292	7.01E-05	0.057935	0.21142
0.04916	-0.16324	0.0004	-0.25136	3.67E-08	-0.22244	1.20E-06	-0.01145	0.80513
1.06E-20	0.171451	0.0002	0.389513	2.28E-18	0.375711	4.19E-17	0.249998	4.37E-08
0.00337	-0.21708	2.19E-06	-0.23914	1.70E-07	-0.13118	0.00452	0.264206	6.73E-09
0.0342	-0.19759	1.70E-05	-0.4081	3.61E-20	-0.29836	4.68E-11	0.047116	0.30962
0.65909	-0.17908	9.98E-05	-0.24276	1.09E-07	-0.12258	0.008	-0.0023	0.96051
1.91E-05	-0.00381	0.93455	-0.00718	0.87699	0.048303	0.29757	0.252894	3.01E-08
0.00853	-0.32704	4.21E-13	-0.34113	3.44E-14	-0.30266	2.39E-11	-0.19836	1.57E-05
1.06E-06	-0.0895	0.05327	-0.3842	7.10E-18	-0.32756	3.84E-13	0.043421	0.34914
0.15204	-0.22622	7.82E-07	-0.35322	3.61E-15	-0.28696	2.65E-10	0.0071	0.87839
0.43818	0.001115	0.98083	-0.17357	0.00016	-0.04382	0.34475	0.279248	8.20E-10
0.10789	-0.10722	0.02047	-0.24132	1.30E-07	-0.20917	5.15E-06	-0.04202	0.36495
3.17E-13	-0.39439	7.88E-19	-0.65532	1.23E-58	-0.57334	3.66E-42	-0.07741	0.09474
0.00028	-0.27334	1.90E-09	-0.43994	1.59E-23	-0.35002	6.62E-15	-0.07759	0.09399
0.21598	-0.18109	8.31E-05	-0.23582	2.53E-07	-0.15802	0.00061	0.213308	3.30E-06
0.01121	-0.16396	0.00037	-0.48987	1.47E-29	-0.34682	1.21E-14	0.06057	0.19134
0.7296	0.508692	4.20E-32	0.376397	3.64E-17	0.280365	6.98E-10	0.0305	0.51086
0.00706	0.269787	3.13E-09	0.357703	1.53E-15	0.291728	1.30E-10	0.554222	5.88E-39
9.67E-05	-0.41147	1.66E-20	-0.43823	2.45E-23	-0.43357	7.96E-23	0.071599	0.12232
0.00974	-0.13871	0.00266	-0.12805	0.00558	-0.02653	0.56743	0.000489	0.99159
0.00016	0.418236	3.37E-21	0.653048	4.13E-58	0.44829	1.82E-24	-0.0045	0.9228
1.74E-15	-0.20447	8.43E-06	-0.44211	9.09E-24	-0.43342	8.26E-23	-0.13711	0.00299
5.01E-22	-0.31953	1.52E-12	-0.54765	6.67E-38	-0.53064	2.82E-35	-0.23741	2.09E-07
1.15E-13	-0.29748	5.36E-11	-0.53967	1.19E-36	-0.49074	1.13E-29	0.007911	0.86462
3.08E-07	0.382176	1.09E-17	0.467238	1.06E-26	0.412988	1.16E-20	0.076514	0.09864
0.00068	-0.35329	3.56E-15	-0.44923	1.42E-24	-0.36974	1.42E-16	0.101849	0.02775
1.07E-07	-0.22651	7.57E-07	-0.48002	2.74E-28	-0.38717	3.77E-18	0.014789	0.74991
2.40E-22	-0.35044	6.12E-15	-0.55799	1.42E-39	-0.55539	3.80E-39	-0.19906	1.47E-05
8.43E-11	-0.44419	5.31E-24	-0.53605	4.26E-36	-0.53167	1.97E-35	-0.10887	0.0186
0.49883	-0.17759	0.00011	-0.26257	8.40E-09	-0.20289	9.93E-06	0.406733	4.94E-20
0.00702	-0.13551	0.00335	-0.21094	4.26E-06	-0.13141	0.00445	0.525785	1.48E-34
2.02E-15	-0.16897	0.00024	-0.49224	7.17E-30	-0.45373	4.29E-25	0.180848	8.49E-05
6.53E-06	0.526977	9.89E-35	0.261733	9.39E-09	0.324871	6.12E-13	0.084404	0.0684
0.62157	-0.26049	1.11E-08	-0.38505	5.94E-18	-0.33276	1.55E-13	0.039424	0.39532
7.38E-08	-0.44104	1.20E-23	-0.56357	1.69E-40	-0.47797	4.97E-28	-0.12024	0.0093
3.44E-12	0.390747	1.74E-18	0.526427	1.19E-34	0.456275	2.16E-25	0.033078	0.47578
5.46E-15	-0.16357	0.00039	-0.40248	1.30E-19	-0.3777	2.78E-17	-0.08089	0.08077
1.43E-06	0.022442	0.62858	-0.30093	3.13E-11	-0.23852	1.83E-07	-0.12482	0.00692

4.73E-15	0.346373	1.31E-14	0.458782	1.10E-25	0.437544	2.92E-23	0.213736	3.15E-06
1.24E-17	-0.25667	1.84E-08	-0.64933	2.93E-57	-0.52095	7.57E-34	-0.15958	0.00054
4.63E-06	-0.05052	0.27597	-0.25867	1.41E-08	-0.01121	0.80911	0.294426	8.59E-11
0.02664	0.219318	1.71E-06	-0.16605	0.00031	0.009126	0.84408	0.133518	0.00385
0.10463	0.147567	0.00138	-0.12101	0.00886	0.027315	0.55598	0.253208	2.89E-08
1.25E-08	-0.37543	4.44E-17	-0.64744	7.85E-57	-0.51183	1.53E-32	-0.20852	5.51E-06
0.62916	0.006883	0.88207	0.355213	2.47E-15	0.167351	0.00028	0.028551	0.53824
2.87E-12	-0.51454	6.30E-33	-0.64087	2.29E-55	-0.58672	1.55E-44	-0.146	0.00156
3.39E-05	-0.13514	0.00343	-0.38926	2.41E-18	-0.29842	4.64E-11	0.258749	1.40E-08
0.00018	0.135588	0.00333	-0.31737	2.18E-12	-0.18684	4.85E-05	0.100716	0.02954
2.02E-06	-0.17106	0.0002	-0.23916	1.69E-07	-0.0483	0.29759	0.257131	1.73E-08
6.03E-05	0.101996	0.02752	-0.14234	0.00205	0.016305	0.72527	0.085325	0.06543
0.00031	-0.25012	4.30E-08	-0.33639	8.10E-14	-0.3196	1.50E-12	-0.01237	0.78973
0.5994	0.070363	0.12892	-0.13448	0.0036	-0.05569	0.22966	0.149393	0.0012
0.38192	-0.04449	0.3374	-0.31785	2.01E-12	-0.18468	5.95E-05	-0.08386	0.07022
0.40314	0.098864	0.03268	-0.10137	0.02849	-0.11421	0.01353	0.216825	2.25E-06
0.0047	0.086124	0.06294	-0.18093	8.43E-05	0.025106	0.58838	0.020582	0.6573
0.00359	-0.19142	3.13E-05	-0.29906	4.19E-11	-0.242	1.19E-07	0.201838	1.11E-05
4.65E-08	-0.22528	8.72E-07	-0.33141	1.96E-13	-0.33448	1.14E-13	0.051183	0.26967
6.94E-07	-0.42925	2.33E-22	-0.43477	5.89E-23	-0.39789	3.63E-19	-0.32085	1.21E-12
0.00107	-0.03469	0.4545	-0.2746	1.59E-09	-0.22605	7.97E-07	0.121718	0.00846
1.87E-12	-0.54297	3.64E-37	-0.66042	7.77E-60	-0.58972	4.41E-45	-0.11862	0.0103
0.00098	-0.20237	1.05E-05	-0.13052	0.00473	-0.06012	0.19465	0.106776	0.02101
9.93E-05	0.085788	0.06398	-0.23622	2.41E-07	-0.1862	5.16E-05	-0.30952	7.95E-12
0.05285	0.063378	0.17153	0.292664	1.12E-10	0.074993	0.10554	0.017208	0.71071
3.71E-08	0.351496	5.01E-15	0.498698	9.86E-31	0.42067	1.88E-21	0.059544	0.19899
0.09586	-0.32361	7.59E-13	-0.58001	2.48E-43	-0.42644	4.65E-22	0.05875	0.20505
2.67E-15	-0.36488	3.75E-16	-0.57149	7.63E-42	-0.53724	2.80E-36	-0.12029	0.00927
1.89E-11	-0.06383	0.16847	0.30448	1.79E-11	0.261608	9.55E-09	-0.07097	0.12562
0.98948	-0.1908	3.32E-05	-0.3653	3.44E-16	-0.23175	4.11E-07	0.249823	4.47E-08
0.08544	-0.08885	0.05501	-0.14247	0.00203	-0.15182	0.001	-0.02441	0.59875
0.42104	-0.29351	9.87E-11	-0.33756	6.56E-14	-0.22198	1.27E-06	0.332852	1.52E-13
4.85E-06	-0.3968	4.63E-19	-0.44738	2.31E-24	-0.42911	2.41E-22	-0.03617	0.43551
0.00014	0.02383	0.60749	-0.10173	0.02793	-0.00343	0.94101	0.113129	0.01444
0.17167	-0.16277	0.00041	-0.37208	8.81E-17	-0.25145	3.63E-08	-0.05488	0.23657
2.95E-11	-0.28022	7.13E-10	-0.41881	2.94E-21	-0.41921	2.67E-21	-0.19009	3.56E-05
0.73808	-0.24799	5.64E-08	-0.46891	6.63E-27	-0.2975	5.34E-11	0.026508	0.56773
1.64E-13	-0.41669	4.86E-21	-0.56083	4.83E-40	-0.5508	2.09E-38	0.040327	0.38458
7.92E-09	-0.41043	2.11E-20	-0.48324	1.06E-28	-0.4645	2.28E-26	-0.07726	0.0954
0.82666	0.224677	9.34E-07	0.199786	1.36E-05	0.188783	4.03E-05	-0.07446	0.10805
1.72E-06	0.08587	0.06372	-0.36505	3.62E-16	-0.27797	9.86E-10	-0.04303	0.35355
4.98E-23	-0.43046	1.73E-22	-0.66229	2.79E-60	-0.5971	1.88E-46	-0.17145	0.0002
0.01134	-0.04	0.38843	-0.18886	4.00E-05	-0.19701	1.80E-05	0.420196	2.11E-21
6.13E-06	-0.23197	4.00E-07	-0.21755	2.08E-06	-0.05876	0.20494	0.220559	1.49E-06
0.00069	-0.09714	0.03585	-0.41991	2.26E-21	-0.30685	1.22E-11	0.05106	0.27082

0.00744	-0.21499	2.75E-06	-0.17715	0.00012	-0.12601	0.0064	0.188604	4.10E-05
0.05162	-0.23171	4.13E-07	-0.17099	0.00021	-0.09869	0.03299	-0.09874	0.03291
1.27E-08	-0.23294	3.57E-07	-0.45527	2.84E-25	-0.39513	6.70E-19	0.121456	0.0086
0.03456	-0.23294	3.57E-07	-0.36646	2.74E-16	-0.31443	3.55E-12	-0.16959	0.00023
0.01144	-0.33044	2.33E-13	-0.35653	1.91E-15	-0.1874	4.60E-05	0.182664	7.18E-05
9.95E-05	0.511959	1.46E-32	0.568193	2.80E-41	0.460395	7.05E-26	0.200584	1.26E-05
0.00064	0.017392	0.70776	-0.06644	0.1517	0.003031	0.94791	0.235985	2.48E-07
1.52E-06	-0.30362	2.05E-11	-0.46714	1.09E-26	-0.40401	9.19E-20	-0.06408	0.16685
5.81E-09	0.316094	2.70E-12	0.508065	5.14E-32	0.442746	7.71E-24	0.004965	0.91479
0.582	0.2533	2.86E-08	0.251153	3.77E-08	0.203863	8.98E-06	-0.12231	0.00815
1.68E-09	0.429555	2.16E-22	0.706401	8.51E-72	0.544804	1.88E-37	0.183506	6.64E-05
0.45577	-0.09727	0.03562	-0.24535	7.87E-08	-0.11755	0.01101	0.234765	2.87E-07
0.70987	0.035646	0.44219	-0.16294	0.00041	-0.10535	0.0228	0.345768	1.46E-14
5.39E-15	0.070125	0.13023	0.451577	7.62E-25	0.35559	2.30E-15	0.143079	0.00194
0.00072	-0.07032	0.12916	-0.40354	1.02E-19	-0.29341	1.00E-10	0.149572	0.00119
1.72E-08	-0.29439	8.63E-11	-0.58306	7.08E-44	-0.47225	2.58E-27	0.07688	0.09704
9.47E-06	-0.03987	0.38998	-0.37964	1.86E-17	-0.25021	4.26E-08	-0.1257	0.00653
0.00013	-0.37917	2.05E-17	-0.45839	1.22E-25	-0.41454	8.07E-21	0.07897	0.08826
0.07726	-0.19277	2.74E-05	-0.20535	7.70E-06	-0.11217	0.01531	0.317773	2.04E-12
0.66627	-0.35261	4.06E-15	-0.55482	4.69E-39	-0.37281	7.60E-17	0.128688	0.00535
0.47865	0.121665	0.00849	0.447389	2.30E-24	0.23181	4.08E-07	-0.06518	0.15963
0.00932	-0.01586	0.73251	-0.42348	9.55E-22	-0.27006	3.01E-09	-0.10171	0.02796
2.57E-06	0.064575	0.16356	-0.27154	2.45E-09	-0.22221	1.24E-06	0.150455	0.00111
1.69E-12	-0.45258	5.84E-25	-0.49685	1.75E-30	-0.51826	1.85E-33	-0.00314	0.94601
0.96953	-0.28167	5.78E-10	-0.51011	2.66E-32	-0.31424	3.67E-12	0.059644	0.19823
2.95E-13	-0.2868	2.71E-10	-0.51108	1.94E-32	-0.45689	1.83E-25	-0.06181	0.18237
0.00016	-0.10228	0.0271	-0.27919	8.27E-10	-0.24408	9.22E-08	0.001283	0.97793
4.17E-08	-0.28385	4.20E-10	-0.44627	3.08E-24	-0.42924	2.34E-22	-0.07534	0.10395
2.39E-11	-0.35129	5.21E-15	-0.69	2.84E-67	-0.56886	2.15E-41	-0.0197	0.67105
0.00181	-0.2465	6.81E-08	-0.33012	2.46E-13	-0.29768	5.20E-11	0.070879	0.12613
0.2296	-0.27151	2.46E-09	-0.373	7.31E-17	-0.25323	2.88E-08	-0.30383	1.98E-11
0.00694	0.030939	0.5048	-0.17684	0.00012	-0.16327	0.0004	0.0572	0.21728
0.52162	0.017156	0.71155	-0.32074	1.24E-12	-0.16439	0.00036	-0.02362	0.6106
0.00229	0.075594	0.10277	-0.07064	0.12743	0.026765	0.56398	0.045209	0.32963
5.11E-07	0.121979	0.00832	0.416884	4.64E-21	0.344192	1.96E-14	0.014173	0.76
1.27E-05	-0.06916	0.1356	-0.21627	2.39E-06	0.000547	0.99059	0.296549	6.19E-11
4.08E-05	-0.4218	1.44E-21	-0.45765	1.49E-25	-0.4369	3.44E-23	-0.07703	0.09638
7.22E-13	-0.4006	1.99E-19	-0.558	1.42E-39	-0.52073	8.16E-34	-0.17838	0.00011
0.03794	-0.32569	5.31E-13	-0.61965	7.19E-51	-0.42018	2.12E-21	0.015264	0.74215
0.03572	0.393401	9.78E-19	0.341726	3.08E-14	0.270842	2.70E-09	0.01728	0.70956
0.53363	-0.14448	0.00175	-0.23972	1.58E-07	-0.14449	0.00174	0.285758	3.17E-10
0.77833	-0.31146	5.79E-12	-0.3051	1.62E-11	-0.23198	4.00E-07	0.144016	0.00181
0.00337	0.021784	0.63868	-0.20211	1.07E-05	-0.00033	0.99429	0.332379	1.65E-13
0.14851	0.109923	0.01749	-0.18218	7.51E-05	-0.08497	0.06656	0.189939	3.61E-05
0.74191	0.008501	0.85463	-0.26667	4.81E-09	-0.12803	0.00559	0.15099	0.00106

0.21555	-0.1757	0.00014	-0.40466	7.93E-20	-0.17962	9.50E-05	-0.15686	0.00067
1.16E-11	0.193835	2.47E-05	-0.03007	0.51684	0.180167	9.04E-05	0.293361	1.01E-10
0.0005	-0.14163	0.00216	-0.22209	1.25E-06	-0.09835	0.0336	0.17969	9.44E-05
0.03953	0.144329	0.00177	0.589787	4.28E-45	0.328406	3.32E-13	0.044942	0.3325
0.07032	-0.07183	0.12113	-0.30902	8.62E-12	-0.23635	2.38E-07	0.029881	0.51948
0.00125	-0.26088	1.05E-08	-0.37031	1.26E-16	-0.32799	3.57E-13	-0.1668	0.00029
0.00482	-0.1779	0.00011	-0.21553	2.59E-06	-0.08829	0.05657	-0.04846	0.29604
0.0363	-0.04488	0.33313	-0.31646	2.54E-12	-0.20493	8.03E-06	0.317535	2.12E-12
2.19E-06	-0.2199	1.60E-06	-0.39624	5.24E-19	-0.33336	1.39E-13	0.105381	0.02275
1.67E-06	-0.40144	1.64E-19	-0.4625	3.96E-26	-0.41104	1.83E-20	0.076357	0.09934
3.13E-18	-0.45	1.16E-24	-0.57908	3.62E-43	-0.58107	1.61E-43	-0.05574	0.2293
0.60126	-0.17155	0.0002	-0.22518	8.82E-07	-0.14457	0.00173	0.471695	3.02E-27
1.42E-15	-0.44364	6.12E-24	-0.63261	1.42E-53	-0.56199	3.10E-40	-0.26151	9.68E-09
2.09E-10	-0.25139	3.66E-08	-0.50186	3.68E-31	-0.45296	5.27E-25	0.036181	0.43537
0.00167	-0.27039	2.87E-09	-0.59124	2.32E-45	-0.44467	4.69E-24	0.051668	0.26515
0.93741	-0.15902	0.00056	-0.31067	6.59E-12	-0.20555	7.53E-06	0.191808	3.01E-05
0.86043	0.068542	0.13914	-0.26113	1.02E-08	-0.10004	0.03065	-0.0153	0.74165
0.02451	-0.32449	6.53E-13	-0.48983	1.49E-29	-0.37495	4.90E-17	0.008232	0.85918
0.43578	0.015566	0.73724	-0.09334	0.0438	-0.04448	0.33747	0.446558	2.86E-24
0.00089	-0.08677	0.06099	-0.29513	7.71E-11	-0.236	2.48E-07	0.011817	0.79895
9.18E-23	0.420463	1.98E-21	0.624621	6.84E-52	0.59517	4.32E-46	0.090649	0.05026
2.78E-05	-0.11149	0.01594	-0.24285	1.07E-07	-0.22466	9.36E-07	0.178088	0.00011
0.10647	-0.15157	0.00102	-0.2675	4.29E-09	-0.19321	2.63E-05	0.005652	0.90305
1.41E-09	-0.44136	1.10E-23	-0.63045	4.09E-53	-0.53965	1.19E-36	-0.14196	0.0021
0.00015	-0.29755	5.31E-11	-0.51424	6.97E-33	-0.41128	1.73E-20	-0.05197	0.26232
0.02849	-0.01522	0.74294	-0.24545	7.77E-08	-0.12864	0.00537	0.151026	0.00106
0.0839	0.082714	0.07414	-0.23659	2.31E-07	-0.06076	0.18994	0.303222	2.18E-11
7.79E-06	-0.14909	0.00123	-0.43314	8.86E-23	-0.33774	6.36E-14	-0.13743	0.00292
1.11E-17	0.378098	2.56E-17	0.479458	3.23E-28	0.477002	6.59E-28	0.089511	0.05323
0.37288	-0.19493	2.22E-05	-0.22766	6.63E-07	-0.20981	4.81E-06	-0.14168	0.00215
0.00024	0.194315	2.35E-05	0.387098	3.83E-18	0.287506	2.44E-10	-0.05556	0.23077
0.00098	-0.27567	1.37E-09	-0.41463	7.90E-21	-0.32742	3.94E-13	0.056168	0.2257
0.00459	-0.39813	3.44E-19	-0.45528	2.82E-25	-0.38569	5.18E-18	0.029172	0.52944
0.02602	-0.06838	0.14006	-0.16722	0.00028	-0.10628	0.02162	0.076712	0.09777
0.01112	-0.0427	0.3572	-0.13265	0.00408	-0.02724	0.55705	0.382709	9.74E-18
0.0113	0.092007	0.0469	-0.24069	1.40E-07	-0.183	6.96E-05	0.026271	0.57119
3.24E-09	-0.26634	5.03E-09	-0.23871	1.78E-07	-0.08385	0.07025	0.176105	0.00013
6.27E-17	-0.31415	3.72E-12	-0.57106	9.03E-42	-0.4953	2.82E-30	-0.04007	0.38758
8.48E-10	-0.52662	1.11E-34	-0.61121	3.57E-49	-0.56437	1.24E-40	-0.06263	0.17668
0.36939	0.051678	0.26505	-0.31414	3.73E-12	-0.16893	0.00025	0.019699	0.67114
1.49E-06	-0.45588	2.41E-25	-0.5536	7.43E-39	-0.48049	2.39E-28	-0.16122	0.00047
8.55E-05	0.289707	1.76E-10	0.477939	5.02E-28	0.353115	3.68E-15	0.037439	0.41957
2.15E-16	0.024657	0.59507	0.458402	1.22E-25	0.357671	1.54E-15	-0.03872	0.40385
0.01621	-0.30768	1.07E-11	-0.43085	1.57E-22	-0.35492	2.61E-15	-0.03172	0.49405
5.21E-05	-0.36238	6.14E-16	-0.58779	9.90E-45	-0.43644	3.86E-23	-0.15019	0.00113



2.28E-06	-0.17118	0.0002	-0.17884	0.0001	-0.03811	0.41133	0.060319	0.19319
2.81E-12	0.058954	0.20348	-0.21787	2.01E-06	0.076446	0.09894	0.179577	9.54E-05
8.29E-07	-0.25499	2.29E-08	-0.52693	1.00E-34	-0.4227	1.16E-21	-0.03159	0.4959
0.20422	-0.2532	2.89E-08	-0.33885	5.20E-14	-0.23426	3.05E-07	0.320759	1.23E-12
0.64353	-0.0212	0.64767	-0.12989	0.00493	-0.10693	0.02082	0.000977	0.98321
0.01536	-0.45044	1.03E-24	-0.48291	1.17E-28	-0.41419	8.76E-21	-0.16947	0.00023
0.15555	-0.0287	0.53606	-0.23348	3.35E-07	-0.18636	5.08E-05	0.05924	0.20129
0.18117	-0.16186	0.00045	-0.36378	4.65E-16	-0.28928	1.87E-10	-0.08109	0.08003
0.7508	-0.14919	0.00122	-0.23806	1.93E-07	-0.14619	0.00154	0.410559	2.05E-20
3.46E-09	0.526392	1.21E-34	0.698099	1.81E-69	0.566613	5.19E-41	0.035263	0.44711
3.19E-13	-0.11582	0.01226	-0.12447	0.00708	0.046651	0.31442	0.045214	0.32958
3.20E-14	-0.45235	6.20E-25	-0.64794	6.06E-57	-0.56632	5.82E-41	-0.24875	5.12E-08
0.38012	-0.33785	6.23E-14	-0.32214	9.75E-13	-0.26599	5.28E-09	0.118019	0.01069
4.78E-08	-0.20595	7.22E-06	-0.55504	4.33E-39	-0.42088	1.79E-21	-0.00315	0.94579
0.30831	-0.23213	3.93E-07	-0.3207	1.25E-12	-0.16955	0.00023	0.057149	0.21769
0.0433	-0.33668	7.68E-14	-0.40764	4.02E-20	-0.35393	3.15E-15	-0.03272	0.48058
5.10E-10	-0.11614	0.01202	-0.20296	9.86E-06	-0.02307	0.61898	0.299576	3.87E-11
0.00398	0.45795	1.37E-25	0.405983	5.87E-20	0.36149	7.31E-16	0.078776	0.08905
0.84181	-0.13091	0.0046	-0.24831	5.42E-08	-0.14027	0.00238	-0.11494	0.01294
3.36E-09	0.263999	6.92E-09	0.488063	2.53E-29	0.371547	9.82E-17	0.201386	1.16E-05
0.58341	-0.01709	0.71266	-0.32275	8.80E-13	-0.17725	0.00012	0.14802	0.00134
1.35E-11	-0.51126	1.84E-32	-0.64365	5.56E-56	-0.58588	2.21E-44	0.023962	0.60551
0.0943	0.397099	4.33E-19	0.325438	5.55E-13	0.293487	9.91E-11	-0.11611	0.01204
3.52E-05	0.044552	0.33671	-0.13836	0.00273	-0.00176	0.96972	0.192157	2.91E-05
0.01631	0.065318	0.15876	-0.15468	0.0008	-0.14573	0.00159	-0.09617	0.03775
3.58E-07	-0.35863	1.28E-15	-0.50273	2.79E-31	-0.4214	1.58E-21	-0.00973	0.83383
0.19785	-0.05577	0.22901	-0.22967	5.25E-07	-0.19488	2.23E-05	-0.10807	0.01949
0.29118	-0.26572	5.47E-09	-0.24373	9.63E-08	-0.23352	3.33E-07	0.227555	6.71E-07
3.18E-10	-0.49749	1.43E-30	-0.6894	4.11E-67	-0.58614	1.98E-44	-0.19096	3.27E-05
0.00204	0.225078	8.92E-07	0.357443	1.61E-15	0.133288	0.00391	-0.02637	0.56977
2.80E-06	0.071009	0.12544	-0.07636	0.09933	0.093886	0.04257	0.100568	0.02978
0.00531	-0.37534	4.53E-17	-0.4497	1.25E-24	-0.38591	4.94E-18	-0.12347	0.00755
0.07273	-0.40437	8.47E-20	-0.36439	4.12E-16	-0.26334	7.57E-09	0.136163	0.00319
3.36E-21	-0.32049	1.29E-12	-0.32259	9.04E-13	-0.42433	7.77E-22	-0.24792	5.69E-08
1.30E-09	-0.37726	3.05E-17	-0.3908	1.73E-18	-0.46778	9.11E-27	-0.05972	0.19767
5.50E-15	-0.2223	1.22E-06	-0.18868	4.07E-05	-0.32257	9.06E-13	0.022938	0.621
1.34E-15	-0.51863	1.64E-33	-0.53978	1.14E-36	-0.5498	3.03E-38	-0.31785	2.01E-12
1.34E-12	-0.37427	5.63E-17	-0.34325	2.33E-14	-0.41801	3.55E-21	-0.20891	5.29E-06
3.13E-12	-0.62706	2.12E-52	-0.48908	1.87E-29	-0.55918	9.06E-40	-0.22803	6.35E-07
8.86E-16	-0.33773	6.36E-14	-0.37533	4.53E-17	-0.44137	1.10E-23	-0.24204	1.19E-07
2.77E-18	-0.64463	3.37E-56	-0.54965	3.21E-38	-0.61787	1.66E-50	-0.15694	0.00067
5.54E-11	-0.26535	5.76E-09	-0.25193	3.41E-08	-0.28892	1.98E-10	-0.03871	0.40393
1.96E-43	0.379887	1.76E-17	0.555296	3.93E-39	0.590289	3.46E-45	0.201167	1.18E-05
1.24E-23	0.409429	2.66E-20	0.310556	6.71E-12	0.476445	7.74E-28	0.341502	3.21E-14
9.61E-11	-0.3325	1.62E-13	-0.36138	7.46E-16	-0.38827	2.98E-18	-0.14596	0.00156

1.29E-21	-0.36452	4.02E-16	-0.39198	1.33E-18	-0.46078	6.35E-26	0.04797	0.30092
9.06E-15	0.299766	3.76E-11	0.416784	4.76E-21	0.413613	1.00E-20	0.298111	4.86E-11
1.82E-13	-0.47874	3.98E-28	-0.43616	4.14E-23	-0.49035	1.27E-29	-0.12269	0.00795
0.01201	-0.44757	2.20E-24	-0.38946	2.31E-18	-0.3869	4.00E-18	-0.10238	0.02694
1.53E-10	-0.42337	9.82E-22	-0.38733	3.64E-18	-0.4173	4.21E-21	-0.36006	9.67E-16
1.76E-19	0.435268	5.20E-23	0.315259	3.10E-12	0.44795	1.99E-24	0.245514	7.71E-08
1.71E-13	-0.28916	1.91E-10	-0.36346	4.96E-16	-0.411	1.85E-20	0.085248	0.06567
8.03E-11	-0.2913	1.38E-10	-0.39347	9.63E-19	-0.39477	7.24E-19	-0.0494	0.28669
1.88E-64	0.485214	5.93E-29	0.669342	5.48E-62	0.723885	5.61E-77	0.205216	7.80E-06
1.05E-28	-0.42194	1.39E-21	-0.62405	9.00E-52	-0.63813	9.16E-55	-0.05644	0.22343
1.22E-32	-0.53597	4.40E-36	-0.68684	1.95E-66	-0.69526	1.09E-68	-0.07708	0.09615
2.46E-23	0.374156	5.77E-17	0.267743	4.15E-09	0.37921	2.03E-17	-0.03388	0.4652
8.11E-05	-0.31076	6.49E-12	-0.21653	2.33E-06	-0.29776	5.13E-11	0.037504	0.41875
3.52E-10	-0.44799	1.97E-24	-0.49576	2.45E-30	-0.51101	1.99E-32	-0.14412	0.00179
3.54E-17	0.402377	1.33E-19	0.465584	1.68E-26	0.475815	9.28E-28	0.448912	1.54E-24
3.11E-09	-0.37653	3.54E-17	-0.3624	6.11E-16	-0.40274	1.23E-19	-0.02336	0.61457
1.94E-19	0.365923	3.04E-16	0.420908	1.78E-21	0.465797	1.59E-26	0.442053	9.22E-24
1.54E-14	-0.35531	2.42E-15	-0.45729	1.64E-25	-0.45	1.16E-24	0.145735	0.00159
1.77E-20	0.446334	3.04E-24	0.412906	1.18E-20	0.504159	1.78E-31	-0.10073	0.02951
1.13E-21	-0.38387	7.62E-18	-0.50976	2.98E-32	-0.54087	7.74E-37	-0.09193	0.0471
9.16E-50	-0.59454	5.65E-46	-0.72171	2.61E-76	-0.76434	1.17E-90	-0.20374	9.09E-06
1.19E-11	-0.31417	3.71E-12	-0.32395	7.16E-13	-0.36805	1.99E-16	-0.28521	3.43E-10
1.60E-25	-0.52906	4.85E-35	-0.59165	1.94E-45	-0.65224	6.32E-58	-0.05127	0.26883
6.92E-07	-0.36482	3.79E-16	-0.31104	6.20E-12	-0.37465	5.21E-17	-0.25655	1.87E-08
3.04E-16	-0.46368	2.85E-26	-0.32164	1.06E-12	-0.45449	3.50E-25	-0.08653	0.06171
2.24E-10	-0.4777	5.39E-28	-0.50468	1.51E-31	-0.50728	6.61E-32	0.002324	0.96006
4.81E-11	-0.19817	1.60E-05	-0.25711	1.74E-08	-0.3193	1.58E-12	-0.30817	9.88E-12
1.46E-27	-0.37542	4.45E-17	-0.42916	2.39E-22	-0.52017	9.82E-34	-0.32184	1.03E-12
5.85E-14	-0.48011	2.67E-28	-0.50806	5.14E-32	-0.5371	2.95E-36	-0.10181	0.0278
3.09E-07	-0.47163	3.07E-27	-0.47397	1.58E-27	-0.46971	5.29E-27	0.036784	0.42775
8.00E-33	0.4922	7.27E-30	0.35844	1.32E-15	0.533297	1.12E-35	0.175854	0.00013
0.00058	-0.2652	5.88E-09	-0.23152	4.22E-07	-0.25462	2.41E-08	0.035653	0.44211
2.95E-11	-0.20232	1.05E-05	-0.38086	1.44E-17	-0.38044	1.57E-17	0.254256	2.52E-08
1.58E-15	-0.53849	1.81E-36	-0.56767	3.43E-41	-0.56328	1.89E-40	0.037101	0.42377
8.53E-16	-0.23751	2.06E-07	-0.32573	5.28E-13	-0.41819	3.41E-21	-0.17601	0.00013
4.55E-37	-0.54887	4.27E-38	-0.51117	1.89E-32	-0.64299	7.77E-56	-0.2831	4.69E-10
1.57E-06	-0.45369	4.34E-25	-0.28087	6.49E-10	-0.35874	1.25E-15	-0.03913	0.39885
7.46E-26	-0.51216	1.37E-32	-0.46672	1.23E-26	-0.58016	2.33E-43	-0.12541	0.00665
5.33E-10	-0.5754	1.61E-42	-0.5274	8.56E-35	-0.55695	2.11E-39	0.060014	0.19545
3.73E-16	-0.42496	6.67E-22	-0.4836	9.58E-29	-0.50543	1.19E-31	-0.31997	1.41E-12
7.53E-21	-0.38752	3.50E-18	-0.56936	1.77E-41	-0.56128	4.07E-40	-0.14353	0.00187
8.81E-10	-0.36518	3.53E-16	-0.36292	5.52E-16	-0.41142	1.68E-20	-0.24902	4.95E-08
1.04E-21	-0.31337	4.23E-12	-0.47125	3.42E-27	-0.51045	2.38E-32	-0.19982	1.36E-05
1.29E-31	0.529499	4.17E-35	0.423715	9.03E-22	0.514403	6.60E-33	0.239894	1.55E-07
1.73E-10	-0.32964	2.68E-13	-0.43893	2.05E-23	-0.43048	1.72E-22	-0.24908	4.91E-08

1.10E-27	-0.50594	1.01E-31	-0.63816	9.03E-55	-0.64346	6.13E-56	-0.18615	5.18E-05
1.26E-20	-0.31485	3.31E-12	-0.40185	1.50E-19	-0.48689	3.60E-29	-0.27375	1.80E-09
6.37E-11	-0.48704	3.44E-29	-0.50174	3.81E-31	-0.51768	2.24E-33	-0.00973	0.8339
5.64E-30	-0.52057	8.61E-34	-0.57314	3.95E-42	-0.62913	7.78E-53	-0.20338	9.44E-06
7.25E-17	-0.44462	4.75E-24	-0.4551	2.97E-25	-0.54647	1.03E-37	-0.19698	1.81E-05
9.56E-10	-0.33422	1.19E-13	-0.40605	5.78E-20	-0.4192	2.68E-21	0.060336	0.19307
8.62E-14	-0.28148	5.94E-10	-0.41441	8.32E-21	-0.42639	4.71E-22	0.042795	0.35614
7.88E-15	-0.38056	1.53E-17	-0.35667	1.86E-15	-0.45069	9.65E-25	0.135998	0.00323
7.21E-37	0.404739	7.79E-20	0.530172	3.30E-35	0.595927	3.12E-46	0.100691	0.02958
1.14E-18	0.319694	1.48E-12	0.370703	1.17E-16	0.393877	8.82E-19	-0.08556	0.0647
1.21E-26	-0.46149	5.23E-26	-0.46216	4.34E-26	-0.56396	1.45E-40	0.065289	0.15895
2.97E-20	-0.44684	2.66E-24	-0.5752	1.74E-42	-0.59268	1.25E-45	-0.23804	1.94E-07
2.68E-09	-0.43684	3.49E-23	-0.33662	7.78E-14	-0.39296	1.08E-18	-0.33392	1.26E-13
1.10E-18	-0.3956	6.04E-19	-0.53448	7.41E-36	-0.51482	5.75E-33	-0.13995	0.00244
8.41E-30	-0.64108	2.06E-55	-0.60322	1.29E-47	-0.68363	1.35E-65	-0.14098	0.00226
2.31E-23	-0.46311	3.34E-26	-0.67704	6.59E-64	-0.64126	1.88E-55	0.006767	0.88404
1.84E-07	-0.2873	2.52E-10	-0.43269	9.92E-23	-0.37636	3.67E-17	-0.08459	0.0678
1.58E-13	-0.17715	0.00012	-0.3125	4.88E-12	-0.34472	1.78E-14	-0.23118	4.39E-07
8.87E-08	-0.45208	6.66E-25	-0.45809	1.32E-25	-0.45522	2.88E-25	0.001705	0.97068
7.41E-41	-0.55302	9.19E-39	-0.55884	1.03E-39	-0.6709	2.27E-62	-0.31396	3.84E-12
5.79E-19	-0.5331	1.20E-35	-0.59976	5.88E-47	-0.59057	3.07E-45	-0.20689	6.55E-06
1.51E-32	-0.50942	3.32E-32	-0.65648	6.59E-59	-0.67442	3.02E-63	-0.16544	0.00033
1.28E-26	-0.51987	1.08E-33	-0.4876	2.91E-29	-0.58648	1.72E-44	-0.16341	0.00039
1.02E-15	0.393534	9.50E-19	0.484819	6.67E-29	0.516669	3.14E-33	-0.1457	0.00159
7.92E-24	-0.42081	1.82E-21	-0.36771	2.13E-16	-0.52401	2.71E-34	-0.15163	0.00101
1.80E-13	0.441688	1.01E-23	0.430996	1.51E-22	0.479902	2.84E-28	-0.03016	0.51564
8.81E-29	-0.32524	5.74E-13	-0.42602	5.15E-22	-0.51179	1.54E-32	-0.12044	0.00918
2.73E-17	-0.32216	9.73E-13	-0.4959	2.34E-30	-0.49859	1.02E-30	-0.02931	0.52748
2.66E-16	0.250892	3.90E-08	0.336073	8.57E-14	0.35669	1.86E-15	0.374196	5.72E-17
5.18E-12	-0.09784	0.03455	-0.34343	2.25E-14	-0.31881	1.71E-12	-0.10884	0.01864
1.52E-30	-0.34718	1.13E-14	-0.43751	2.95E-23	-0.53682	3.26E-36	-0.2276	6.67E-07
3.85E-27	0.56835	2.63E-41	0.483879	8.81E-29	0.574406	2.39E-42	0.645012	2.76E-56
3.77E-29	-0.41076	1.95E-20	-0.52984	3.71E-35	-0.57388	2.94E-42	0.045734	0.32405
5.17E-13	-0.50115	4.59E-31	-0.48364	9.47E-29	-0.50137	4.28E-31	-0.06221	0.17959
8.30E-12	-0.31782	2.02E-12	-0.25691	1.78E-08	-0.36631	2.82E-16	-0.16883	0.00025
4.48E-16	-0.52036	9.22E-34	-0.44296	7.29E-24	-0.51159	1.65E-32	-0.02247	0.62817
2.98E-26	-0.43601	4.31E-23	-0.53467	6.92E-36	-0.57458	2.23E-42	-0.16596	0.00032
3.43E-29	-0.5642	1.33E-40	-0.61422	8.98E-50	-0.63702	1.59E-54	-0.16345	0.00039
3.79E-28	-0.23129	4.34E-07	-0.53816	2.03E-36	-0.49644	1.99E-30	-0.13558	0.00333
1.52E-12	-0.51467	6.04E-33	-0.51049	2.35E-32	-0.5031	2.49E-31	-0.03912	0.39897
2.73E-28	-0.55131	1.74E-38	-0.63045	4.10E-53	-0.65788	3.10E-59	-0.19536	2.12E-05
5.29E-43	0.420293	2.06E-21	0.436335	3.97E-23	0.559487	8.07E-40	0.229698	5.23E-07
1.20E-19	-0.38266	9.84E-18	-0.37533	4.53E-17	-0.48101	2.05E-28	-0.1854	5.56E-05
4.35E-37	-0.58306	7.09E-44	-0.65245	5.67E-58	-0.69667	4.48E-69	-0.29855	4.54E-11
3.61E-12	-0.48646	4.09E-29	-0.44821	1.85E-24	-0.47915	3.53E-28	-0.19338	2.58E-05

2.81E-20	-0.53779	2.31E-36	-0.52061	8.47E-34	-0.56754	3.61E-41	-0.29233	1.18E-10
1.07E-12	-0.4768	6.98E-28	-0.38989	2.10E-18	-0.4587	1.12E-25	-0.06549	0.15765
5.31E-13	-0.36371	4.72E-16	-0.49071	1.14E-29	-0.48702	3.47E-29	-0.13192	0.0043
1.44E-25	-0.47895	3.74E-28	-0.55372	7.08E-39	-0.60764	1.79E-48	-0.04625	0.31865
3.42E-14	-0.24468	8.55E-08	-0.29999	3.63E-11	-0.38846	2.86E-18	-0.15049	0.00111
2.72E-07	-0.48505	6.22E-29	-0.39835	3.28E-19	-0.43927	1.88E-23	0.148293	0.00131
1.47E-40	-0.57366	3.22E-42	-0.60763	1.80E-48	-0.68324	1.70E-65	-0.20814	5.74E-06
1.16E-37	-0.43424	6.73E-23	-0.67021	3.36E-62	-0.65745	3.91E-59	-0.21104	4.22E-06
1.13E-18	-0.45572	2.51E-25	-0.54783	6.24E-38	-0.58301	7.23E-44	0.031672	0.49475
1.86E-09	-0.41935	2.58E-21	-0.3567	1.86E-15	-0.41796	3.60E-21	0.086059	0.06314
1.55E-07	-0.43618	4.13E-23	-0.2891	1.93E-10	-0.37035	1.25E-16	-0.34829	9.15E-15
2.19E-34	0.607302	2.09E-48	0.551055	1.91E-38	0.674454	2.96E-63	0.304155	1.88E-11
7.22E-26	-0.61981	6.67E-51	-0.63657	2.00E-54	-0.67156	1.55E-62	-0.20199	1.09E-05
7.02E-41	-0.5834	6.16E-44	-0.63939	4.85E-55	-0.71013	7.19E-73	-0.13268	0.00408
1.49E-40	-0.32162	1.07E-12	-0.29986	3.70E-11	-0.49499	3.09E-30	-0.2942	8.89E-11
2.04E-21	-0.60474	6.56E-48	-0.48912	1.85E-29	-0.58135	1.43E-43	-0.32762	3.81E-13
2.09E-19	-0.35904	1.18E-15	-0.45797	1.37E-25	-0.50825	4.84E-32	-0.10931	0.01813
1.94E-27	-0.53805	2.11E-36	-0.64238	1.07E-55	-0.67414	3.54E-63	-0.09602	0.03807
2.93E-42	-0.24815	5.53E-08	-0.23291	3.58E-07	-0.45439	3.59E-25	-0.39435	7.95E-19
7.28E-38	0.443442	6.44E-24	0.584033	4.74E-44	0.609095	9.30E-49	0.269664	3.18E-09
1.60E-34	-0.58267	8.32E-44	-0.62469	6.60E-52	-0.68705	1.71E-66	-0.18181	7.77E-05
0.05966	-0.42622	4.90E-22	-0.2826	5.04E-10	-0.30251	2.44E-11	-0.10281	0.02631
1.36E-16	-0.54321	3.34E-37	-0.49451	3.59E-30	-0.54454	2.07E-37	-0.3668	2.56E-16
1.68E-05	-0.41724	4.27E-21	-0.33649	7.95E-14	-0.35053	6.01E-15	0.058525	0.2068
4.86E-13	-0.2384	1.85E-07	-0.12705	0.00597	-0.29441	8.61E-11	-0.30473	1.72E-11
2.49E-38	-0.38888	2.61E-18	-0.46239	4.07E-26	-0.58833	7.92E-45	-0.31979	1.45E-12
6.00E-15	0.389002	2.54E-18	0.351426	5.08E-15	0.448349	1.79E-24	0.133675	0.0038
5.96E-24	-0.35984	1.01E-15	-0.47028	4.50E-27	-0.52595	1.40E-34	-0.24293	1.06E-07
2.68E-39	-0.61168	2.87E-49	-0.7441	1.72E-83	-0.74475	1.04E-83	-0.22937	5.43E-07
6.45E-55	-0.52562	1.57E-34	-0.56649	5.44E-41	-0.70184	1.66E-70	-0.40011	2.21E-19
8.07E-28	0.478033	4.89E-28	0.60066	3.98E-47	0.653473	3.29E-58	0.19734	1.74E-05
6.94E-25	-0.5829	7.57E-44	-0.58842	7.61E-45	-0.65494	1.51E-58	-0.1654	0.00033
1.26E-13	0.312322	5.03E-12	0.438263	2.43E-23	0.381821	1.17E-17	0.047746	0.30318
1.81E-14	-0.5177	2.23E-33	-0.47641	7.81E-28	-0.51521	5.07E-33	0.087911	0.05765
7.66E-18	-0.47436	1.41E-27	-0.5977	1.44E-46	-0.58513	3.01E-44	-0.09248	0.04578
6.10E-07	-0.30327	2.16E-11	-0.41119	1.77E-20	-0.35109	5.41E-15	0.131435	0.00444
1.36E-15	-0.4588	1.09E-25	-0.60296	1.44E-47	-0.56096	4.59E-40	-0.00324	0.94429
3.88E-09	-0.40184	1.50E-19	-0.31655	2.50E-12	-0.40208	1.42E-19	0.23367	3.27E-07
4.86E-19	-0.16982	0.00023	-0.3629	5.54E-16	-0.39603	5.49E-19	-0.03782	0.41488
2.31E-15	0.400416	2.07E-19	0.241305	1.30E-07	0.441236	1.14E-23	0.053366	0.24974
1.47E-08	-0.41577	6.04E-21	-0.50219	3.32E-31	-0.44391	5.71E-24	-0.12544	0.00664
9.40E-16	-0.30414	1.89E-11	-0.27553	1.40E-09	-0.41303	1.15E-20	-0.04308	0.35294
3.34E-07	0.592729	1.23E-45	0.497129	1.60E-30	0.487532	2.97E-29	-0.16882	0.00025
0.00517	-0.34873	8.43E-15	-0.33426	1.18E-13	-0.30638	1.32E-11	-0.2595	1.27E-08
1.14E-20	-0.37401	5.95E-17	-0.34195	2.96E-14	-0.43184	1.23E-22	-0.31242	4.95E-12

0.06988	-0.07043	0.12856	-0.00594	0.89809	-0.07792	0.09258	-0.20009	1.32E-05
0.00234	-0.28812	2.23E-10	-0.24639	6.91E-08	-0.23879	1.77E-07	-0.11433	0.01343
2.01E-10	-0.16009	0.00052	-0.32967	2.66E-13	-0.35924	1.13E-15	-0.03931	0.39665
9.33E-08	-0.49165	8.60E-30	-0.45887	1.07E-25	-0.47636	7.94E-28	0.049643	0.28435
4.61E-24	-0.43948	1.79E-23	-0.55886	1.02E-39	-0.55251	1.11E-38	-0.26527	5.82E-09
7.96E-12	-0.51094	2.04E-32	-0.38597	4.88E-18	-0.47097	3.70E-27	-0.23497	2.80E-07
2.66E-10	-0.35724	1.67E-15	-0.25375	2.69E-08	-0.40186	1.49E-19	-0.20923	5.12E-06
6.34E-09	-0.28703	2.62E-10	-0.25398	2.62E-08	-0.34724	1.11E-14	-0.14643	0.00151
3.81E-14	-0.2898	1.73E-10	-0.23509	2.76E-07	-0.36086	8.27E-16	0.044731	0.33478
3.64E-36	0.577	8.41E-43	0.541214	6.84E-37	0.63862	7.15E-55	0.363019	5.41E-16
1.06E-32	-0.51457	6.24E-33	-0.517	2.81E-33	-0.61237	2.10E-49	-0.22247	1.20E-06
2.42E-16	0.491352	9.40E-30	0.473436	1.84E-27	0.481657	1.70E-28	0.115967	0.01215
0.00014	-0.38722	3.73E-18	-0.34816	9.39E-15	-0.34194	2.96E-14	-0.17145	0.0002
4.02E-36	-0.51147	1.71E-32	-0.47438	1.40E-27	-0.61119	3.60E-49	-0.30665	1.26E-11
1.71E-10	-0.31646	2.54E-12	-0.38784	3.27E-18	-0.41854	3.14E-21	-0.10239	0.02693
5.29E-27	-0.39649	4.96E-19	-0.37965	1.85E-17	-0.49493	3.16E-30	-0.0509	0.27235
0.0007	0.294326	8.72E-11	0.179796	9.35E-05	0.234795	2.86E-07	0.111395	0.01603
0.00087	-0.30549	1.52E-11	-0.26952	3.25E-09	-0.3333	1.40E-13	0.224113	9.96E-07
6.29E-33	0.542897	3.74E-37	0.468807	6.83E-27	0.5356	5.00E-36	0.489872	1.47E-29
6.59E-27	-0.30973	7.69E-12	-0.39226	1.25E-18	-0.4983	1.12E-30	-0.28051	6.83E-10
6.30E-22	-0.1963	1.94E-05	-0.40494	7.45E-20	-0.43096	1.53E-22	-0.19119	3.19E-05
5.15E-17	-0.43102	1.50E-22	-0.48297	1.15E-28	-0.5022	3.30E-31	-0.298	4.95E-11
1.91E-11	-0.06154	0.18431	-0.34197	2.95E-14	-0.36999	1.35E-16	0.030658	0.50867
3.86E-21	-0.52247	4.55E-34	-0.4785	4.27E-28	-0.58947	4.89E-45	-0.17245	0.00018
4.27E-19	0.566169	6.17E-41	0.454012	3.98E-25	0.584833	3.41E-44	0.332625	1.58E-13
1.23E-34	-0.50616	9.45E-32	-0.53567	4.87E-36	-0.64793	6.09E-57	-0.17596	0.00013
1.20E-43	-0.43154	1.32E-22	-0.50527	1.25E-31	-0.62934	7.04E-53	-0.21082	4.32E-06
8.11E-13	-0.58283	7.80E-44	-0.52613	1.32E-34	-0.54697	8.56E-38	-0.1541	0.00083
2.50E-14	-0.289	1.95E-10	-0.40143	1.65E-19	-0.42716	3.90E-22	0.03825	0.40956
1.86E-20	-0.37333	6.83E-17	-0.41901	2.80E-21	-0.52876	5.36E-35	-0.21731	2.13E-06
9.19E-34	-0.39643	5.02E-19	-0.39856	3.13E-19	-0.53554	5.11E-36	-0.05881	0.20461
1.28E-58	0.583356	6.28E-44	0.696012	6.77E-69	0.784493	1.51E-98	0.210553	4.44E-06
5.09E-20	-0.49687	1.74E-30	-0.46386	2.71E-26	-0.58003	2.46E-43	-0.05098	0.27161
1.31E-09	-0.36249	6.00E-16	-0.26805	3.98E-09	-0.33581	8.98E-14	-0.04242	0.36037
1.23E-21	-0.35554	2.32E-15	-0.38458	6.55E-18	-0.44586	3.44E-24	-0.23119	4.39E-07
7.22E-30	-0.49308	5.56E-30	-0.57341	3.56E-42	-0.63979	3.96E-55	0.07069	0.12715
5.78E-30	-0.58454	3.84E-44	-0.47145	3.24E-27	-0.62258	1.81E-51	-0.40651	5.20E-20
2.99E-13	-0.26609	5.21E-09	-0.34814	9.42E-15	-0.37528	4.58E-17	-0.18595	5.28E-05
7.94E-16	-0.34011	4.14E-14	-0.35386	3.20E-15	-0.45104	8.79E-25	-0.11213	0.01534
3.59E-39	-0.51862	1.65E-33	-0.45112	8.60E-25	-0.6018	2.41E-47	-0.22524	8.76E-07
7.56E-18	0.422425	1.23E-21	0.464802	2.09E-26	0.496707	1.83E-30	-0.18649	5.02E-05
8.05E-14	-0.46522	1.86E-26	-0.35467	2.74E-15	-0.41717	4.34E-21	-0.49872	9.81E-31
8.41E-37	-0.54187	5.41E-37	-0.40866	3.17E-20	-0.59287	1.15E-45	-0.1944	2.33E-05
1.27E-35	0.477916	5.06E-28	0.500398	5.81E-31	0.582993	7.29E-44	0.103733	0.02498
7.98E-20	-0.49445	3.65E-30	-0.44497	4.33E-24	-0.54313	3.44E-37	-0.05645	0.22341

9.46E-16	-0.57671	9.46E-43	-0.53144	2.13E-35	-0.58464	3.69E-44	-0.16268	0.00042
1.12E-18	-0.34532	1.59E-14	-0.42171	1.47E-21	-0.47433	1.42E-27	-0.10231	0.02705
1.18E-39	-0.27758	1.04E-09	-0.46874	6.96E-27	-0.53929	1.36E-36	-0.20387	8.97E-06
1.27E-11	-0.28006	7.29E-10	-0.39509	6.75E-19	-0.4035	1.03E-19	-0.19432	2.35E-05
1.20E-16	0.480913	2.11E-28	0.280534	6.81E-10	0.425057	6.52E-22	0.256961	1.77E-08
2.91E-20	-0.2788	8.75E-10	-0.38753	3.49E-18	-0.44867	1.64E-24	-0.05783	0.21222
1.14E-16	-0.38942	2.32E-18	-0.48942	1.68E-29	-0.50879	4.07E-32	-0.02105	0.65006
1.81E-09	-0.56045	5.58E-40	-0.56409	1.38E-40	-0.55014	2.67E-38	-0.00354	0.93926
1.01E-13	-0.2657	5.49E-09	-0.36547	3.33E-16	-0.40471	7.84E-20	-0.17773	0.00011
7.02E-52	-0.63229	1.66E-53	-0.63897	5.99E-55	-0.74182	1.00E-82	-0.37633	3.69E-17
3.29E-08	-0.48069	2.25E-28	-0.42053	1.95E-21	-0.42919	2.37E-22	-0.14736	0.00141
8.76E-20	0.497759	1.32E-30	0.547647	6.68E-38	0.60104	3.37E-47	0.417465	4.05E-21
2.17E-12	-0.39914	2.75E-19	-0.50037	5.86E-31	-0.4639	2.69E-26	-0.39126	1.56E-18
1.20E-24	0.520985	7.48E-34	0.366599	2.66E-16	0.513065	1.02E-32	-0.02607	0.57419
7.96E-31	-0.49341	5.03E-30	-0.5205	8.80E-34	-0.62409	8.80E-52	-0.28967	1.77E-10
1.46E-48	-0.36615	2.91E-16	-0.4863	4.29E-29	-0.60592	3.88E-48	-0.36796	2.03E-16
6.68E-06	-0.41584	5.94E-21	-0.27596	1.31E-09	-0.31387	3.90E-12	-0.02462	0.59556
3.79E-25	-0.56751	3.66E-41	-0.47754	5.63E-28	-0.57678	9.21E-43	-0.21049	4.47E-06
1.19E-05	-0.19944	1.41E-05	-0.06918	0.13551	-0.16471	0.00035	-0.09939	0.03176
1.07E-06	-0.48944	1.67E-29	-0.47183	2.90E-27	-0.45492	3.12E-25	-0.05872	0.20527
2.04E-09	-0.50941	3.33E-32	-0.37722	3.07E-17	-0.4499	1.19E-24	-0.09539	0.03934
6.34E-11	-0.37732	3.01E-17	-0.24395	9.37E-08	-0.33747	6.67E-14	-0.11262	0.01489
9.09E-17	-0.47714	6.32E-28	-0.57449	2.31E-42	-0.57569	1.43E-42	-0.39888	2.91E-19
4.13E-35	-0.54331	3.22E-37	-0.54528	1.58E-37	-0.62437	7.71E-52	-0.39279	1.12E-18
8.86E-13	-0.39464	7.45E-19	-0.42654	4.54E-22	-0.46905	6.38E-27	-0.05117	0.26979
2.46E-24	-0.56048	5.53E-40	-0.58772	1.02E-44	-0.65132	1.03E-57	-0.0326	0.48219
1.63E-35	-0.40255	1.28E-19	-0.51555	4.53E-33	-0.6079	1.59E-48	-0.20156	1.14E-05
5.00E-15	-0.38037	1.59E-17	-0.42171	1.46E-21	-0.49172	8.40E-30	0.059359	0.20039
3.86E-29	-0.47464	1.30E-27	-0.44736	2.32E-24	-0.57919	3.46E-43	-0.26975	3.14E-09
2.83E-35	-0.49512	2.98E-30	-0.44281	7.58E-24	-0.57878	4.09E-43	-0.14474	0.00171
5.63E-20	-0.40839	3.38E-20	-0.58192	1.13E-43	-0.56122	4.16E-40	-0.11257	0.01494
2.23E-13	-0.52599	1.38E-34	-0.57751	6.86E-43	-0.54077	8.00E-37	-0.06815	0.1414
2.12E-56	-0.46715	1.09E-26	-0.64732	8.38E-57	-0.723	1.05E-76	-0.30632	1.33E-11
3.43E-41	-0.52971	3.88E-35	-0.4936	4.74E-30	-0.63418	6.55E-54	-0.14864	0.00128
4.04E-21	0.53084	2.62E-35	0.398879	2.92E-19	0.484148	8.14E-29	0.238915	1.74E-07
2.71E-22	-0.60043	4.39E-47	-0.61786	1.66E-50	-0.65308	4.07E-58	-0.1501	0.00114
5.72E-20	0.224321	9.72E-07	0.501344	4.32E-31	0.448385	1.77E-24	0.25965	1.24E-08
2.06E-13	-0.4362	4.11E-23	-0.26172	9.41E-09	-0.39184	1.38E-18	-0.07502	0.10543
3.98E-07	0.441959	9.45E-24	0.158938	0.00057	0.313032	4.48E-12	0.277862	1.00E-09
4.25E-15	-0.39945	2.57E-19	-0.48591	4.83E-29	-0.46087	6.20E-26	-0.23184	4.07E-07
9.28E-31	-0.343	2.44E-14	-0.44737	2.31E-24	-0.54939	3.53E-38	-0.24945	4.69E-08
5.47E-07	0.620054	5.96E-51	0.490124	1.36E-29	0.491677	8.52E-30	0.495074	3.02E-30
3.61E-29	-0.49918	8.48E-31	-0.54667	9.53E-38	-0.62251	1.87E-51	-0.22174	1.30E-06
1.70E-06	-0.41413	8.90E-21	-0.33399	1.24E-13	-0.34566	1.49E-14	-0.09426	0.04175
3.60E-05	-0.44271	7.78E-24	-0.45999	7.89E-26	-0.38966	2.21E-18	-0.36935	1.53E-16

2.76E-15	-0.32584	5.18E-13	-0.4015	1.62E-19	-0.45486	3.17E-25	0.197782	1.67E-05
4.14E-30	-0.54167	5.81E-37	-0.46085	6.22E-26	-0.58936	5.12E-45	-0.39382	8.92E-19
1.13E-35	-0.54587	1.27E-37	-0.55601	3.00E-39	-0.64178	1.45E-55	-0.44737	2.32E-24
6.24E-36	-0.40462	8.00E-20	-0.60447	7.38E-48	-0.63774	1.11E-54	-0.11869	0.01026
5.42E-15	-0.5314	2.16E-35	-0.461	5.97E-26	-0.52423	2.51E-34	-0.27954	7.86E-10
2.52E-30	-0.51703	2.78E-33	-0.61074	4.42E-49	-0.66066	6.85E-60	-0.09243	0.04589
7.66E-14	0.638482	7.66E-55	0.559332	8.56E-40	0.589039	5.87E-45	0.138186	0.00277
9.50E-24	-0.32353	7.70E-13	-0.44985	1.20E-24	-0.51625	3.59E-33	-0.08272	0.07411
4.05E-14	0.294819	8.08E-11	0.36708	2.42E-16	0.394264	8.10E-19	0.352641	4.03E-15
1.09E-06	-0.25702	1.76E-08	-0.31982	1.45E-12	-0.29136	1.37E-10	-0.11573	0.01232
8.32E-15	-0.46663	1.26E-26	-0.29035	1.59E-10	-0.43221	1.12E-22	-0.11937	0.00982
1.76E-26	-0.51982	1.10E-33	-0.4848	6.71E-29	-0.59776	1.41E-46	-0.19404	2.42E-05
3.85E-30	-0.41031	2.17E-20	-0.51638	3.45E-33	-0.59604	2.97E-46	-0.17519	0.00014
4.68E-22	-0.28727	2.53E-10	-0.29191	1.26E-10	-0.37199	8.98E-17	-0.40192	1.47E-19
3.98E-13	-0.21049	4.47E-06	-0.30385	1.97E-11	-0.37547	4.40E-17	-0.03469	0.45452
2.58E-28	-0.52965	3.96E-35	-0.64491	2.90E-56	-0.67448	2.92E-63	-0.15391	0.00085
1.29E-16	-0.20539	7.66E-06	-0.35909	1.17E-15	-0.38567	5.20E-18	0.098978	0.03248
2.51E-17	-0.242	1.19E-07	-0.39721	4.23E-19	-0.39457	7.57E-19	-0.21595	2.48E-06
4.01E-09	0.577525	6.80E-43	0.222738	1.16E-06	0.371862	9.21E-17	0.358465	1.32E-15
1.08E-39	0.716658	8.67E-75	0.668661	8.05E-62	0.7796	1.49E-96	0.383969	7.46E-18
3.21E-28	0.541348	6.52E-37	0.318538	1.79E-12	0.538153	2.03E-36	0.454994	3.05E-25
1.19E-38	-0.47921	3.47E-28	-0.51613	3.75E-33	-0.63518	3.99E-54	-0.18481	5.88E-05
3.85E-14	-0.23414	3.10E-07	-0.31872	1.74E-12	-0.38215	1.10E-17	0.087235	0.05961
4.70E-55	-0.45801	1.35E-25	-0.62769	1.57E-52	-0.69429	1.99E-68	-0.0551	0.23466
5.65E-11	-0.49437	3.75E-30	-0.31826	1.88E-12	-0.40017	2.19E-19	-0.20224	1.06E-05
2.60E-34	0.550855	2.05E-38	0.473555	1.77E-27	0.598123	1.20E-46	0.161251	0.00047
6.91E-27	0.469809	5.15E-27	0.496887	1.73E-30	0.568638	2.35E-41	0.253667	2.72E-08
0.0639	-0.22287	1.15E-06	-0.30614	1.37E-11	-0.21055	4.45E-06	-0.09381	0.04273
2.35E-33	-0.58767	1.04E-44	-0.42366	9.15E-22	-0.61553	4.91E-50	-0.3769	3.28E-17
2.83E-24	-0.65087	1.30E-57	-0.62536	4.80E-52	-0.68688	1.90E-66	-0.20026	1.30E-05
3.24E-12	-0.23193	4.02E-07	-0.38349	8.27E-18	-0.36868	1.75E-16	-0.06336	0.17164
4.89E-37	-0.32529	5.69E-13	-0.46902	6.43E-27	-0.57658	9.95E-43	-0.31552	2.97E-12
9.86E-12	-0.51782	2.14E-33	-0.49146	9.10E-30	-0.51536	4.81E-33	-0.07661	0.0982
2.85E-16	0.428528	2.79E-22	0.289376	1.85E-10	0.417095	4.42E-21	0.398104	3.47E-19
4.49E-06	-0.11275	0.01477	-0.2378	1.99E-07	-0.25166	3.53E-08	-0.11313	0.01445
1.82E-16	-0.37993	1.75E-17	-0.31219	5.14E-12	-0.40705	4.60E-20	-0.11082	0.01658
3.74E-16	-0.28321	4.61E-10	-0.36838	1.86E-16	-0.44277	7.67E-24	-0.16408	0.00037
2.17E-29	-0.48969	1.55E-29	-0.55779	1.53E-39	-0.62264	1.76E-51	-0.29343	1.00E-10
1.22E-34	-0.51293	1.07E-32	-0.47341	1.85E-27	-0.58222	1.00E-43	-0.21216	3.74E-06
3.51E-05	-0.37456	5.32E-17	-0.35252	4.13E-15	-0.34864	8.59E-15	-0.02436	0.59947
3.00E-24	-0.50714	6.91E-32	-0.52907	4.83E-35	-0.56237	2.68E-40	-0.24371	9.66E-08
4.82E-26	-0.39765	3.83E-19	-0.34492	1.71E-14	-0.48592	4.81E-29	-0.05745	0.21524
0.00017	-0.28826	2.18E-10	-0.21607	2.45E-06	-0.2641	6.83E-09	-0.10285	0.02625
1.76E-24	-0.4855	5.44E-29	-0.44705	2.52E-24	-0.54978	3.06E-38	-0.24626	7.01E-08
7.66E-20	-0.64404	4.56E-56	-0.65043	1.64E-57	-0.63935	4.95E-55	-0.03092	0.50512

3.73E-21	-0.53837	1.88E-36	-0.39593	5.61E-19	-0.53975	1.15E-36	-0.25208	3.34E-08
1.36E-38	0.478741	3.98E-28	0.636876	1.71E-54	0.627319	1.87E-52	0.151501	0.00102
1.59E-24	-0.48824	2.41E-29	-0.35075	5.77E-15	-0.51349	8.88E-33	-0.38198	1.14E-17
1.32E-39	0.631434	2.53E-53	0.458003	1.35E-25	0.618592	1.18E-50	0.186611	4.96E-05
1.16E-25	0.573123	3.99E-42	0.488594	2.16E-29	0.566213	6.06E-41	0.511706	1.59E-32
1.44E-17	0.549935	2.88E-38	0.521572	6.15E-34	0.56856	2.42E-41	0.534753	6.73E-36
2.20E-12	-0.14712	0.00143	-0.26773	4.16E-09	-0.29774	5.15E-11	-0.10924	0.0182
1.21E-15	-0.21616	2.42E-06	-0.29776	5.14E-11	-0.37158	9.76E-17	0.006802	0.88344
2.82E-19	-0.33798	6.08E-14	-0.31928	1.58E-12	-0.42524	6.23E-22	-0.12388	0.00736
2.76E-06	-0.24217	1.17E-07	-0.28718	2.57E-10	-0.27077	2.73E-09	-0.0691	0.13594
7.25E-13	-0.48961	1.59E-29	-0.39831	3.31E-19	-0.46761	9.57E-27	-0.09253	0.04567
2.02E-06	-0.32022	1.35E-12	-0.35469	2.73E-15	-0.38281	9.54E-18	-0.20174	1.12E-05
1.23E-23	-0.61463	7.44E-50	-0.58359	5.70E-44	-0.64145	1.71E-55	-0.16165	0.00045
4.98E-08	-0.24982	4.47E-08	-0.38264	9.88E-18	-0.37362	6.43E-17	-0.00149	0.97442
0.00135	-0.20132	1.17E-05	-0.15476	0.00079	-0.21749	2.09E-06	0.104648	0.02372
6.33E-11	-0.38552	5.37E-18	-0.32173	1.05E-12	-0.40907	2.89E-20	-0.17496	0.00014
1.68E-26	-0.33533	9.78E-14	-0.38251	1.02E-17	-0.47442	1.38E-27	-0.1451	0.00167
6.90E-27	-0.36039	9.06E-16	-0.51906	1.42E-33	-0.51256	1.20E-32	-0.24174	1.23E-07
1.91E-25	-0.38153	1.25E-17	-0.38459	6.55E-18	-0.50024	6.10E-31	-0.25085	3.92E-08
1.20E-12	0.225464	8.53E-07	0.312872	4.60E-12	0.36067	8.58E-16	-0.04797	0.30095
4.00E-16	-0.40815	3.57E-20	-0.39011	2.00E-18	-0.46228	4.21E-26	-0.20812	5.75E-06
5.30E-10	-0.39476	7.26E-19	-0.33207	1.75E-13	-0.40984	2.42E-20	0.080957	0.08052
3.39E-27	0.489823	1.49E-29	0.515636	4.40E-33	0.526179	1.30E-34	0.326132	4.92E-13
8.08E-61	0.577679	6.39E-43	0.569897	1.43E-41	0.724356	4.02E-77	0.303895	1.96E-11
2.61E-52	0.533957	8.89E-36	0.664864	6.74E-61	0.741266	1.54E-82	0.307455	1.11E-11
1.01E-11	-0.24797	5.66E-08	-0.30802	1.01E-11	-0.36426	4.24E-16	0.059579	0.19872
1.06E-23	-0.4638	2.76E-26	-0.50547	1.18E-31	-0.57401	2.80E-42	-0.13512	0.00344
1.78E-17	0.471489	3.20E-27	0.248527	5.27E-08	0.389171	2.45E-18	0.099242	0.03202
1.70E-15	0.59135	2.21E-45	0.517193	2.64E-33	0.572039	6.13E-42	0.299818	3.73E-11
2.77E-11	-0.39675	4.68E-19	-0.40787	3.81E-20	-0.44109	1.18E-23	-0.1711	0.0002
1.70E-58	-0.40535	6.78E-20	-0.58639	1.78E-44	-0.68356	1.40E-65	-0.33764	6.47E-14
3.24E-30	-0.52657	1.14E-34	-0.68329	1.66E-65	-0.68299	1.97E-65	-0.15428	0.00082
2.43E-08	-0.45591	2.39E-25	-0.36946	1.50E-16	-0.39795	3.59E-19	-0.44152	1.06E-23
2.02E-19	-0.40343	1.05E-19	-0.45528	2.83E-25	-0.53314	1.18E-35	-0.31702	2.31E-12
6.50E-17	-0.20841	5.58E-06	-0.28235	5.22E-10	-0.35916	1.15E-15	-0.22915	5.57E-07
1.76E-44	0.433279	8.56E-23	0.336226	8.34E-14	0.541417	6.36E-37	0.218411	1.89E-06
8.22E-28	-0.24269	1.10E-07	-0.40714	4.51E-20	-0.49698	1.68E-30	-0.30059	3.30E-11
3.38E-23	0.479121	3.56E-28	0.493127	5.48E-30	0.519918	1.07E-33	0.100584	0.02976
3.56E-19	0.348642	8.57E-15	0.264143	6.79E-09	0.39398	8.62E-19	0.221536	1.33E-06
2.53E-12	0.441367	1.10E-23	0.334699	1.10E-13	0.401365	1.67E-19	-0.01133	0.80706
1.56E-08	-0.25339	2.82E-08	-0.28028	7.07E-10	-0.30398	1.93E-11	0.05966	0.19811
1.04E-24	-0.42287	1.11E-21	-0.36468	3.89E-16	-0.49609	2.21E-30	-0.12756	0.00577
3.20E-27	-0.53939	1.31E-36	-0.53905	1.48E-36	-0.59952	6.55E-47	-0.00424	0.92721
6.74E-07	-0.07736	0.09498	-0.21549	2.61E-06	-0.24725	6.19E-08	-0.09312	0.04428
4.68E-38	-0.54644	1.04E-37	-0.65565	1.03E-58	-0.70049	3.94E-70	-0.16719	0.00028



8.71E-55	-0.54568	1.37E-37	-0.56952	1.66E-41	-0.71684	7.65E-75	-0.24641	6.89E-08
7.55E-12	0.437556	2.91E-23	0.43484	5.79E-23	0.397633	3.85E-19	0.209088	5.19E-06
2.68E-43	-0.51598	3.93E-33	-0.5318	1.88E-35	-0.65454	1.86E-58	-0.42102	1.73E-21
1.28E-11	-0.46048	6.89E-26	-0.42812	3.08E-22	-0.49103	1.04E-29	-0.17674	0.00012
2.69E-15	-0.62768	1.57E-52	-0.62786	1.44E-52	-0.63217	1.76E-53	-0.19211	2.92E-05
2.73E-08	-0.35084	5.67E-15	-0.37374	6.28E-17	-0.38491	6.11E-18	0.142953	0.00196
2.97E-25	-0.52279	4.08E-34	-0.54925	3.72E-38	-0.58684	1.48E-44	-0.19796	1.64E-05
3.53E-36	-0.58426	4.32E-44	-0.64583	1.81E-56	-0.70619	9.77E-72	-0.30543	1.53E-11
1.08E-07	0.564599	1.13E-40	0.458146	1.30E-25	0.483973	8.57E-29	0.168288	0.00026
1.20E-15	0.386663	4.21E-18	0.389044	2.52E-18	0.456343	2.12E-25	0.10006	0.03062
5.30E-17	-0.36575	3.15E-16	-0.44278	7.64E-24	-0.46303	3.42E-26	-0.32993	2.54E-13
1.34E-26	-0.54035	9.31E-37	-0.62397	9.35E-52	-0.64458	3.46E-56	-0.04683	0.31261
1.73E-14	-0.2636	7.30E-09	-0.2402	1.49E-07	-0.36279	5.66E-16	-0.19772	1.68E-05
2.83E-20	0.655757	9.73E-59	0.606568	2.90E-48	0.619313	8.44E-51	0.246018	7.24E-08
5.90E-10	0.504946	1.39E-31	0.444458	4.95E-24	0.412525	1.29E-20	0.133658	0.00381
5.96E-48	-0.48062	2.30E-28	-0.56876	2.24E-41	-0.6704	3.01E-62	-0.19283	2.73E-05
3.97E-17	-0.27762	1.04E-09	-0.46555	1.70E-26	-0.45799	1.36E-25	-0.26506	5.99E-09
2.93E-13	-0.52578	1.49E-34	-0.50594	1.01E-31	-0.54554	1.44E-37	-0.3149	3.29E-12
2.04E-48	-0.21491	2.78E-06	-0.29296	1.07E-10	-0.49591	2.33E-30	-0.39649	4.96E-19
7.41E-15	-0.33439	1.16E-13	-0.38807	3.11E-18	-0.43158	1.31E-22	0.172889	0.00017
5.29E-09	0.458642	1.14E-25	0.305514	1.51E-11	0.396213	5.27E-19	0.429059	2.44E-22
1.15E-34	0.35895	1.20E-15	0.319356	1.56E-12	0.45547	2.69E-25	0.205525	7.56E-06
3.66E-14	-0.49352	4.85E-30	-0.61073	4.42E-49	-0.55627	2.73E-39	-0.06929	0.13487
7.03E-16	0.383689	7.92E-18	0.440598	1.34E-23	0.476631	7.33E-28	-0.02549	0.58274
7.43E-06	-0.23108	4.45E-07	-0.20871	5.41E-06	-0.27105	2.62E-09	0.000959	0.98351
4.01E-58	-0.574	2.81E-42	-0.61275	1.76E-49	-0.72043	6.38E-76	-0.28625	2.94E-10
9.17E-41	0.387547	3.48E-18	0.402836	1.20E-19	0.525055	1.90E-34	0.017831	0.70073
1.06E-24	-0.46546	1.74E-26	-0.58929	5.27E-45	-0.61802	1.54E-50	-0.0224	0.62919
2.68E-20	-0.40221	1.38E-19	-0.36739	2.27E-16	-0.48402	8.44E-29	-0.08851	0.05595
2.11E-12	-0.55079	2.10E-38	-0.51856	1.68E-33	-0.57591	1.30E-42	-0.03278	0.47983
1.47E-39	-0.53751	2.55E-36	-0.62456	7.03E-52	-0.67768	4.53E-64	-0.44239	8.45E-24
2.09E-36	-0.26153	9.65E-09	-0.33476	1.08E-13	-0.46979	5.17E-27	-0.39735	4.10E-19
9.21E-07	-0.19027	3.49E-05	-0.3801	1.69E-17	-0.36038	9.08E-16	-0.05751	0.21482
2.66E-33	0.507825	5.55E-32	0.616604	2.98E-50	0.647767	6.63E-57	0.128245	0.00551
7.59E-19	0.471252	3.42E-27	0.437979	2.62E-23	0.482757	1.23E-28	0.0039	0.93301
3.25E-20	0.326917	4.30E-13	0.561266	4.09E-40	0.561362	3.94E-40	0.001937	0.9667
7.01E-06	-0.33678	7.55E-14	-0.29814	4.84E-11	-0.34267	2.60E-14	-0.02868	0.53646
1.98E-14	-0.52092	7.65E-34	-0.43304	9.09E-23	-0.52174	5.80E-34	-0.20218	1.07E-05
9.50E-15	-0.40175	1.53E-19	-0.41583	5.96E-21	-0.47697	6.64E-28	-0.27629	1.25E-09
9.53E-19	-0.4876	2.91E-29	-0.44345	6.43E-24	-0.50762	5.92E-32	-0.09269	0.04528
3.93E-52	0.445045	4.25E-24	0.682431	2.76E-65	0.693501	3.26E-68	0.277742	1.02E-09
1.94E-25	-0.46785	8.94E-27	-0.58522	2.90E-44	-0.62408	8.85E-52	-0.18718	4.70E-05
7.01E-26	-0.59913	7.78E-47	-0.54616	1.15E-37	-0.61371	1.14E-49	-0.15648	0.00069
1.56E-29	0.442233	8.80E-24	0.577313	7.41E-43	0.61364	1.17E-49	0.078176	0.09152
2.16E-09	-0.1702	0.00022	-0.26882	3.58E-09	-0.34237	2.74E-14	-0.1469	0.00146

1.13E-16	0.453919	4.08E-25	0.39839	3.25E-19	0.476322	8.02E-28	0.384571	6.57E-18
0.00098	-0.43571	4.64E-23	-0.30166	2.79E-11	-0.31388	3.89E-12	0.130111	0.00486
0.00941	-0.17679	0.00012	-0.21635	2.37E-06	-0.21328	3.31E-06	0.248949	5.00E-08
7.96E-28	-0.21769	2.05E-06	-0.42604	5.13E-22	-0.48169	1.68E-28	-0.29671	6.04E-11
6.62E-09	-0.24192	1.20E-07	-0.32987	2.57E-13	-0.30726	1.14E-11	-0.1455	0.00162
7.62E-05	-0.47334	1.89E-27	-0.37378	6.23E-17	-0.38058	1.52E-17	0.002458	0.95775
1.43E-22	-0.43246	1.05E-22	-0.52866	5.56E-35	-0.57778	6.14E-43	-0.19284	2.72E-05
1.38E-07	-0.48517	6.02E-29	-0.37169	9.55E-17	-0.39586	5.70E-19	-0.22913	5.59E-07
6.84E-49	0.497466	1.45E-30	0.422148	1.32E-21	0.654366	2.05E-58	0.271738	2.38E-09
5.70E-37	-0.61648	3.16E-50	-0.57413	2.66E-42	-0.69181	9.32E-68	-0.2634	7.50E-09
7.58E-35	-0.2516	3.56E-08	-0.57196	6.34E-42	-0.5512	1.80E-38	-0.09645	0.0372
3.30E-40	0.469545	5.54E-27	0.439716	1.68E-23	0.587264	1.24E-44	0.094902	0.04037
5.76E-19	-0.45192	6.95E-25	-0.50397	1.89E-31	-0.52114	7.10E-34	-0.18976	3.67E-05
2.59E-14	-0.42238	1.25E-21	-0.47257	2.35E-27	-0.51802	2.00E-33	0.051114	0.27031
2.07E-37	-0.41275	1.23E-20	-0.61618	3.63E-50	-0.64664	1.19E-56	-0.33004	2.50E-13
2.87E-42	0.436615	3.70E-23	0.423974	8.48E-22	0.556097	2.91E-39	0.338649	5.39E-14
1.11E-09	-0.32995	2.53E-13	-0.44681	2.68E-24	-0.45608	2.28E-25	-0.0028	0.95194
3.04E-29	-0.23887	1.75E-07	-0.50052	5.60E-31	-0.5018	3.75E-31	-0.07134	0.12366
1.75E-14	-0.18999	3.59E-05	-0.3869	4.00E-18	-0.39221	1.27E-18	-0.00907	0.84503
0.00221	-0.29409	9.03E-11	-0.36626	2.85E-16	-0.34577	1.46E-14	0.247817	5.77E-08
2.29E-18	-0.27072	2.75E-09	-0.20675	6.65E-06	-0.38421	7.09E-18	-0.1253	0.00671
3.47E-20	0.629769	5.71E-53	0.722953	1.08E-76	0.664399	8.72E-61	0.075071	0.10518
2.16E-39	-0.51577	4.21E-33	-0.64706	9.58E-57	-0.69222	7.20E-68	-0.13735	0.00294
3.76E-19	-0.42369	9.10E-22	-0.31876	1.73E-12	-0.48078	2.20E-28	-0.00515	0.91169
3.59E-05	-0.08193	0.07693	-0.17357	0.00016	-0.18404	6.32E-05	0.393703	9.16E-19
2.70E-19	-0.33365	1.32E-13	-0.28285	4.86E-10	-0.38678	4.10E-18	-0.32014	1.37E-12
1.17E-12	-0.32945	2.77E-13	-0.40402	9.18E-20	-0.43201	1.18E-22	-0.10138	0.02848
4.47E-15	-0.33668	7.69E-14	-0.48955	1.62E-29	-0.48466	7.00E-29	-0.017	0.71411
2.32E-06	-0.36096	8.11E-16	-0.27897	8.53E-10	-0.34586	1.44E-14	-0.12533	0.00669
2.71E-33	-0.23329	3.43E-07	-0.48492	6.47E-29	-0.53149	2.10E-35	-0.26167	9.48E-09
0.00015	-0.4472	2.42E-24	-0.26506	5.99E-09	-0.32293	8.53E-13	-0.07674	0.09766
5.77E-11	-0.29544	7.35E-11	-0.21491	2.78E-06	-0.2969	5.87E-11	-0.29049	1.56E-10
5.20E-32	-0.44922	1.42E-24	-0.48521	5.93E-29	-0.57685	8.93E-43	-0.39789	3.64E-19
1.05E-26	-0.59778	1.39E-46	-0.54178	5.58E-37	-0.6088	1.06E-48	-0.04888	0.29182
1.82E-15	-0.16843	0.00026	-0.30417	1.88E-11	-0.37296	7.37E-17	-0.05304	0.25269
9.08E-31	-0.44268	7.84E-24	-0.57857	4.46E-43	-0.62685	2.35E-52	-0.2619	9.18E-09
2.13E-37	-0.41439	8.36E-21	-0.49229	7.06E-30	-0.58819	8.39E-45	-0.24503	8.19E-08
7.12E-08	-0.39049	1.85E-18	-0.25656	1.87E-08	-0.33615	8.46E-14	-0.12939	0.0051
8.12E-08	-0.24552	7.71E-08	-0.34026	4.03E-14	-0.34559	1.51E-14	-0.26183	9.27E-09
6.31E-37	-0.41963	2.42E-21	-0.43762	2.86E-23	-0.56941	1.74E-41	-0.24531	7.91E-08
2.05E-35	-0.42688	4.18E-22	-0.52868	5.53E-35	-0.61974	6.90E-51	-0.48416	8.12E-29
2.07E-25	-0.41228	1.37E-20	-0.47492	1.20E-27	-0.54704	8.34E-38	-0.2958	6.95E-11
5.60E-08	-0.40448	8.27E-20	-0.25941	1.28E-08	-0.33932	4.78E-14	-0.35306	3.72E-15
1.02E-33	-0.39375	9.06E-19	-0.4043	8.60E-20	-0.56011	6.36E-40	-0.32632	4.77E-13
3.20E-14	-0.294	9.16E-11	-0.3117	5.57E-12	-0.36812	1.96E-16	-0.0823	0.0756

5.92E-46	0.491558	8.83E-30	0.682999	1.97E-65	0.67697	6.88E-64	0.182156	7.52E-05
7.91E-16	-0.54976	3.08E-38	-0.52352	3.19E-34	-0.58881	6.47E-45	-0.16231	0.00043
2.55E-09	-0.56524	8.85E-41	-0.55604	2.97E-39	-0.52482	2.06E-34	-0.01804	0.69739
2.96E-32	-0.23376	3.24E-07	-0.41761	3.91E-21	-0.49225	7.15E-30	0.032482	0.48378
2.59E-16	-0.45617	2.23E-25	-0.35222	4.36E-15	-0.46519	1.88E-26	-0.38586	4.99E-18
2.44E-30	-0.24012	1.50E-07	-0.28641	2.88E-10	-0.45199	6.82E-25	-0.14775	0.00137
1.01E-27	0.428865	2.56E-22	0.466554	1.28E-26	0.530541	2.91E-35	0.11176	0.01568
5.48E-46	0.461484	5.23E-26	0.650216	1.84E-57	0.692323	6.78E-68	0.160311	0.00051
1.69E-46	-0.56884	2.17E-41	-0.62374	1.04E-51	-0.70493	2.24E-71	-0.35377	3.25E-15
5.13E-27	-0.6093	8.49E-49	-0.51673	3.07E-33	-0.62502	5.64E-52	-0.18619	5.16E-05
1.01E-21	-0.34259	2.63E-14	-0.25524	2.22E-08	-0.42394	8.55E-22	-0.16525	0.00034
3.89E-39	-0.48159	1.73E-28	-0.52559	1.59E-34	-0.63694	1.66E-54	-0.32188	1.02E-12
3.86E-21	-0.20892	5.29E-06	-0.38711	3.82E-18	-0.45158	7.62E-25	-0.05153	0.26646
1.38E-33	0.340198	4.07E-14	0.497953	1.24E-30	0.585894	2.19E-44	-0.01124	0.80852
1.79E-33	0.750571	1.05E-85	0.561117	4.33E-40	0.68147	4.88E-65	0.1782	0.00011
5.27E-35	-0.42774	3.38E-22	-0.48171	1.67E-28	-0.61002	6.12E-49	-0.17196	0.00019
1.78E-32	-0.54821	5.44E-38	-0.62962	6.15E-53	-0.69297	4.53E-68	-0.33325	1.42E-13
7.72E-19	-0.44481	4.52E-24	-0.49058	1.19E-29	-0.53724	2.81E-36	-0.02875	0.53539
1.69E-35	-0.2489	5.03E-08	-0.44055	1.36E-23	-0.55082	2.08E-38	-0.12906	0.00522
9.59E-34	-0.44246	8.31E-24	-0.49045	1.24E-29	-0.60353	1.12E-47	-0.22398	1.01E-06
5.86E-42	-0.64037	2.96E-55	-0.67627	1.04E-63	-0.73394	3.85E-80	-0.3965	4.95E-19
3.54E-30	-0.45841	1.21E-25	-0.60097	3.48E-47	-0.61006	6.00E-49	-0.05822	0.20916
0.43195	-0.11047	0.01693	-0.18196	7.66E-05	-0.132	0.00427	0.057625	0.21387
1.01E-16	0.207055	6.44E-06	0.326602	4.54E-13	0.352907	3.83E-15	0.018089	0.69661
8.10E-06	-0.32418	6.88E-13	-0.12653	0.00618	-0.26074	1.07E-08	-0.14684	0.00146
8.00E-21	-0.29978	3.75E-11	-0.33663	7.76E-14	-0.42577	5.48E-22	-0.07453	0.10773
2.67E-06	-0.25598	2.01E-08	-0.28024	7.10E-10	-0.35154	4.96E-15	-0.01858	0.68884
3.48E-26	0.660701	6.68E-60	0.314086	3.76E-12	0.509927	2.82E-32	0.337522	6.61E-14
3.84E-49	-0.45433	3.65E-25	-0.54024	9.67E-37	-0.65153	9.24E-58	-0.09439	0.04146
5.76E-10	-0.37585	4.08E-17	-0.37114	1.07E-16	-0.39473	7.31E-19	-0.21938	1.70E-06
3.60E-33	-0.5021	3.40E-31	-0.61112	3.71E-49	-0.66011	9.25E-60	-0.36206	6.54E-16
4.53E-32	-0.44537	3.90E-24	-0.46429	2.41E-26	-0.5576	1.65E-39	-0.02791	0.54741
8.01E-33	-0.53309	1.20E-35	-0.63165	2.27E-53	-0.66944	5.19E-62	-0.28523	3.42E-10
1.60E-35	-0.53241	1.52E-35	-0.47065	4.06E-27	-0.62163	2.83E-51	-0.42566	5.63E-22
3.74E-06	-0.35254	4.11E-15	-0.33716	7.05E-14	-0.37608	3.88E-17	0.137476	0.00291
1.32E-21	-0.366	3.00E-16	-0.49634	2.05E-30	-0.49583	2.39E-30	-0.03323	0.47375
5.68E-24	0.478682	4.05E-28	0.461154	5.73E-26	0.481663	1.69E-28	0.043878	0.34408
3.99E-24	0.351348	5.15E-15	0.352758	3.94E-15	0.516581	3.23E-33	0.207042	6.45E-06
1.52E-21	-0.23965	1.59E-07	-0.35934	1.11E-15	-0.40585	6.05E-20	-0.26463	6.35E-09
2.33E-30	0.56935	1.78E-41	0.488801	2.03E-29	0.62249	1.89E-51	0.155688	0.00074
9.66E-23	-0.4199	2.26E-21	-0.41381	9.58E-21	-0.52233	4.77E-34	0.006737	0.88455
1.68E-21	0.235056	2.77E-07	0.390167	1.98E-18	0.417734	3.80E-21	0.171673	0.00019
3.04E-20	0.403362	1.07E-19	0.281381	6.02E-10	0.42091	1.78E-21	0.340356	3.96E-14
6.67E-09	-0.42626	4.86E-22	-0.40236	1.34E-19	-0.42429	7.85E-22	-0.05917	0.20185
1.13E-35	-0.34944	7.39E-15	-0.59307	1.06E-45	-0.57628	1.12E-42	-0.13245	0.00414

4.52E-12	-0.40785	3.83E-20	-0.4611	5.82E-26	-0.43789	2.67E-23	0.13502	0.00346
7.26E-32	-0.53551	5.16E-36	-0.60266	1.65E-47	-0.66281	2.09E-60	-0.16595	0.00032
1.68E-33	-0.36225	6.30E-16	-0.52672	1.08E-34	-0.57018	1.28E-41	-0.17574	0.00013
3.84E-25	-0.64627	1.44E-56	-0.52949	4.17E-35	-0.60849	1.22E-48	-0.19071	3.35E-05
3.66E-18	-0.52868	5.53E-35	-0.5598	7.17E-40	-0.57181	6.73E-42	-0.04875	0.29312
9.92E-27	0.590497	3.17E-45	0.482752	1.23E-28	0.571089	8.94E-42	0.311101	6.14E-12
1.66E-10	-0.3738	6.20E-17	-0.41917	2.70E-21	-0.45123	8.35E-25	0.175427	0.00014
2.98E-26	-0.553	9.27E-39	-0.6317	2.22E-53	-0.65638	6.97E-59	-0.16047	0.0005
1.83E-19	-0.32375	7.41E-13	-0.42322	1.02E-21	-0.46682	1.19E-26	-0.01025	0.82509
2.03E-07	-0.09694	0.03625	-0.26923	3.38E-09	-0.25494	2.31E-08	-0.15823	0.0006
0.00398	-0.3097	7.71E-12	-0.38201	1.13E-17	-0.36913	1.60E-16	0.287801	2.34E-10
3.75E-20	0.607956	1.55E-48	0.434073	7.02E-23	0.563648	1.64E-40	0.297275	5.54E-11
1.76E-39	-0.47689	6.80E-28	-0.66858	8.44E-62	-0.69575	8.00E-69	-0.34177	3.06E-14
7.78E-13	-0.3018	2.73E-11	-0.36519	3.52E-16	-0.41123	1.75E-20	-0.01568	0.73544
8.67E-06	-0.20807	5.79E-06	-0.31365	4.04E-12	-0.32672	4.45E-13	0.013078	0.77804
8.01E-14	-0.08516	0.06597	-0.36385	4.59E-16	-0.35657	1.90E-15	-0.07591	0.10136
1.54E-14	-0.29347	9.94E-11	-0.46019	7.47E-26	-0.47303	2.06E-27	-0.01551	0.73812
0.00102	-0.26084	1.06E-08	-0.27642	1.23E-09	-0.27927	8.17E-10	0.207599	6.08E-06
1.35E-20	-0.2902	1.63E-10	-0.254	2.61E-08	-0.4117	1.57E-20	-0.0349	0.45187
5.31E-38	-0.59708	1.89E-46	-0.61462	7.48E-50	-0.70842	2.24E-72	0.038275	0.40925
0.00014	-0.18545	5.54E-05	-0.22163	1.32E-06	-0.24442	8.83E-08	-0.04567	0.32474
3.41E-05	-0.3511	5.40E-15	-0.27662	1.19E-09	-0.31156	5.70E-12	-0.35719	1.69E-15
2.63E-12	-0.53385	9.23E-36	-0.45913	9.98E-26	-0.50319	2.42E-31	0.0525	0.25752
3.90E-07	-0.34398	2.04E-14	-0.26207	8.98E-09	-0.34806	9.57E-15	0.148352	0.0013
0.0008	-0.26537	5.74E-09	-0.19775	1.67E-05	-0.26243	8.56E-09	-0.08745	0.05899
5.16E-14	-0.54375	2.75E-37	-0.42531	6.13E-22	-0.49829	1.12E-30	-0.28042	6.92E-10
3.61E-20	-0.60203	2.18E-47	-0.54621	1.13E-37	-0.57626	1.13E-42	-0.13749	0.00291
4.82E-13	-0.31911	1.63E-12	-0.33071	2.22E-13	-0.36852	1.81E-16	-0.19487	2.23E-05
9.98E-39	-0.34111	3.45E-14	-0.42174	1.46E-21	-0.54294	3.68E-37	-0.13477	0.00352
2.49E-30	0.389588	2.24E-18	0.309617	7.82E-12	0.468268	7.94E-27	0.08407	0.06951
4.86E-47	-0.46222	4.27E-26	-0.5926	1.30E-45	-0.66339	1.53E-60	-0.18974	3.68E-05
4.21E-29	-0.41367	9.90E-21	-0.44002	1.55E-23	-0.56404	1.41E-40	-0.32383	7.32E-13
1.95E-07	-0.14988	0.00116	-0.27806	9.72E-10	-0.26001	1.18E-08	0.116653	0.01164
1.25E-10	0.055511	0.23118	-0.23264	3.70E-07	-0.26637	5.01E-09	-0.02563	0.58067
2.15E-24	-0.32782	3.68E-13	-0.27016	2.97E-09	-0.43786	2.70E-23	-0.24488	8.34E-08
1.50E-09	-0.19482	2.24E-05	-0.29396	9.22E-11	-0.34667	1.24E-14	-0.09187	0.04724
3.87E-20	-0.43955	1.75E-23	-0.46333	3.15E-26	-0.54182	5.50E-37	0.10047	0.02994
1.21E-05	-0.21269	3.53E-06	-0.25345	2.80E-08	-0.2286	5.94E-07	-0.11303	0.01453
1.68E-15	-0.29147	1.35E-10	-0.34078	3.66E-14	-0.41489	7.44E-21	0.050641	0.27478
8.44E-24	-0.32412	6.95E-13	-0.30127	2.97E-11	-0.44198	9.39E-24	-0.21291	3.45E-06
5.93E-12	-0.29253	1.15E-10	-0.375	4.86E-17	-0.36104	7.99E-16	-0.23187	4.05E-07
1.32E-11	-0.18227	7.45E-05	-0.28068	6.66E-10	-0.32107	1.17E-12	-0.03211	0.4888
0.00053	-0.19261	2.78E-05	-0.19781	1.66E-05	-0.21078	4.34E-06	0.09028	0.05121
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0.00032	-0.32143	1.10E-12	-0.26025	1.15E-08	-0.31965	1.49E-12	0.032809	0.47938

5.94E-24	0.486195	4.43E-29	0.551018	1.93E-38	0.574176	2.62E-42	0.321663	1.06E-12
1.38E-14	-0.33111	2.07E-13	-0.3133	4.29E-12	-0.36058	8.73E-16	-0.2355	2.63E-07
0.00263	-0.25549	2.15E-08	-0.28859	2.08E-10	-0.26291	8.02E-09	0.229347	5.45E-07
1.42E-25	0.325798	5.21E-13	0.209708	4.86E-06	0.385067	5.91E-18	0.41248	1.31E-20
2.16E-38	0.456738	1.91E-25	0.480237	2.57E-28	0.523749	2.96E-34	0.305902	1.42E-11
1.71E-41	0.41164	1.59E-20	0.497228	1.56E-30	0.623169	1.37E-51	0.423448	9.64E-22
0.0009	-0.43219	1.12E-22	-0.31331	4.28E-12	-0.36734	2.29E-16	0.005587	0.90415
6.56E-23	0.504713	1.49E-31	0.444629	4.73E-24	0.504106	1.81E-31	0.264697	6.29E-09
7.68E-31	0.583414	6.13E-44	0.363864	4.58E-16	0.55388	6.68E-39	0.092894	0.04481
3.48E-35	0.618108	1.48E-50	0.588192	8.38E-45	0.649352	2.90E-57	0.310053	7.29E-12
2.32E-34	-0.25214	3.32E-08	-0.4293	2.30E-22	-0.49208	7.54E-30	-0.28989	1.71E-10
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0.0033	-0.30026	3.48E-11	-0.28595	3.08E-10	-0.27927	8.17E-10	-0.13122	0.00451
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7.65E-21	-0.55432	5.67E-39	-0.54861	4.69E-38	-0.59621	2.76E-46	-0.26594	5.31E-09
1.06E-47	-0.47761	5.53E-28	-0.60902	9.63E-49	-0.68035	9.49E-65	-0.43777	2.76E-23
2.02E-17	-0.31148	5.77E-12	-0.38402	7.38E-18	-0.44489	4.42E-24	-0.00342	0.94123
9.01E-11	-0.55467	4.98E-39	-0.41371	9.82E-21	-0.4566	1.98E-25	-0.26313	7.79E-09
1.38E-13	-0.34894	8.11E-15	-0.4348	5.85E-23	-0.46916	6.18E-27	0.050681	0.2744
1.04E-16	-0.38338	8.46E-18	-0.56598	6.65E-41	-0.55401	6.35E-39	0.100335	0.03016
0.02434	-0.32326	8.06E-13	-0.27125	2.55E-09	-0.25977	1.22E-08	-0.08319	0.0725
1.41E-27	-0.53002	3.48E-35	-0.59645	2.49E-46	-0.63222	1.72E-53	-0.1791	9.96E-05
2.41E-33	-0.53631	3.90E-36	-0.54891	4.20E-38	-0.63245	1.54E-53	-0.36093	8.16E-16
1.98E-21	-0.55263	1.06E-38	-0.64316	7.14E-56	-0.62482	6.21E-52	-0.15587	0.00072
1.29E-23	-0.34292	2.48E-14	-0.53018	3.30E-35	-0.54295	3.67E-37	-0.15316	0.0009
3.68E-25	-0.52588	1.44E-34	-0.38965	2.21E-18	-0.55912	9.27E-40	-0.08541	0.06516
5.13E-19	-0.45431	3.67E-25	-0.51606	3.83E-33	-0.57872	4.20E-43	-0.20782	5.94E-06
2.72E-07	-0.4623	4.18E-26	-0.31994	1.42E-12	-0.37929	2.00E-17	-0.39604	5.47E-19
1.40E-07	-0.1467	0.00148	-0.25793	1.56E-08	-0.31293	4.55E-12	-0.13233	0.00417
5.12E-40	-0.54642	1.04E-37	-0.63935	4.95E-55	-0.68938	4.16E-67	-0.23168	4.14E-07
5.20E-25	0.300941	3.13E-11	0.463403	3.08E-26	0.508385	4.64E-32	0.299259	4.07E-11
2.37E-18	-0.44262	7.96E-24	-0.51195	1.47E-32	-0.54282	3.84E-37	-0.24798	5.65E-08
8.52E-16	-0.48696	3.52E-29	-0.41786	3.69E-21	-0.49815	1.17E-30	-0.2318	4.09E-07
5.94E-22	-0.44068	1.31E-23	-0.45352	4.54E-25	-0.51762	2.29E-33	-0.18031	8.92E-05
5.43E-06	-0.19945	1.41E-05	-0.28724	2.54E-10	-0.29238	1.17E-10	-0.16438	0.00036
4.18E-28	0.403976	9.27E-20	0.409366	2.70E-20	0.473318	1.90E-27	0.245172	8.04E-08
1.09E-08	0.45612	2.26E-25	0.390212	1.96E-18	0.42289	1.10E-21	0.178701	0.0001
1.50E-08	0.333228	1.42E-13	0.123943	0.00733	0.267046	4.57E-09	0.035749	0.44088
3.49E-30	-0.39075	1.74E-18	-0.36442	4.11E-16	-0.50906	3.73E-32	-0.08446	0.06821
9.07E-24	-0.27851	9.13E-10	-0.34539	1.57E-14	-0.47418	1.48E-27	-0.15637	0.0007
8.37E-17	-0.33305	1.47E-13	-0.45432	3.66E-25	-0.48653	4.01E-29	-0.02561	0.58096
4.25E-29	-0.56107	4.42E-40	-0.62175	2.68E-51	-0.69347	3.33E-68	-0.19261	2.78E-05
5.49E-13	-0.32125	1.13E-12	-0.28068	6.66E-10	-0.39754	3.93E-19	-0.0133	0.77435
2.40E-36	-0.44395	5.64E-24	-0.49354	4.83E-30	-0.5995	6.61E-47	-0.11436	0.01341
1.41E-15	-0.4332	8.73E-23	-0.4352	5.29E-23	-0.49038	1.26E-29	0.267158	4.50E-09

9.62E-06	-0.35184	4.70E-15	-0.41065	2.00E-20	-0.38584	5.01E-18	-0.10288	0.02621
1.39E-40	-0.50359	2.13E-31	-0.53405	8.59E-36	-0.6542	2.23E-58	-0.31046	6.82E-12
3.23E-19	-0.2938	9.45E-11	-0.43904	2.00E-23	-0.44724	2.39E-24	0.141767	0.00213
1.48E-06	-0.51097	2.01E-32	-0.41048	2.08E-20	-0.43645	3.85E-23	0.065767	0.15591
5.52E-68	-0.47679	7.00E-28	-0.67397	3.90E-63	-0.73793	1.95E-81	-0.27704	1.13E-09
2.65E-24	0.40816	3.56E-20	0.393129	1.04E-18	0.461236	5.60E-26	0.291942	1.25E-10
0.01173	-0.28356	4.38E-10	-0.30139	2.91E-11	-0.2857	3.20E-10	0.460469	6.91E-26
3.95E-22	-0.45944	9.16E-26	-0.43599	4.33E-23	-0.56227	2.79E-40	-0.23136	4.30E-07
9.50E-38	-0.59716	1.83E-46	-0.6438	5.15E-56	-0.70533	1.71E-71	-0.07797	0.09237
1.85E-31	-0.37946	1.93E-17	-0.52199	5.34E-34	-0.55551	3.63E-39	-0.1078	0.0198
3.47E-28	-0.35921	1.14E-15	-0.54894	4.16E-38	-0.57487	1.98E-42	-0.36719	2.36E-16
1.03E-21	-0.55641	2.59E-39	-0.43758	2.90E-23	-0.56445	1.20E-40	-0.104	0.02461
8.83E-12	-0.27144	2.49E-09	-0.367	2.45E-16	-0.39333	9.94E-19	-0.09771	0.03478
9.27E-11	-0.32387	7.27E-13	-0.34087	3.60E-14	-0.39734	4.11E-19	-0.16449	0.00036
2.10E-12	-0.07763	0.09382	-0.18308	6.91E-05	-0.2765	1.22E-09	0.107839	0.01975
3.59E-17	-0.61623	3.55E-50	-0.47125	3.42E-27	-0.56773	3.35E-41	-0.06454	0.16382
3.17E-32	0.612441	2.03E-49	0.578328	4.91E-43	0.703845	4.52E-71	0.345013	1.68E-14
2.06E-26	-0.58057	1.97E-43	-0.6235	1.17E-51	-0.6663	3.03E-61	-0.15551	0.00075
0.00058	-0.48808	2.52E-29	-0.39042	1.87E-18	-0.41136	1.70E-20	0.33707	7.17E-14
4.08E-18	-0.29953	3.90E-11	-0.40149	1.63E-19	-0.41785	3.70E-21	-0.07509	0.1051
4.93E-12	-0.48905	1.88E-29	-0.54167	5.80E-37	-0.51123	1.86E-32	-0.38282	9.52E-18
1.16E-23	-0.46962	5.43E-27	-0.45547	2.69E-25	-0.52779	7.49E-35	0.113971	0.01373
2.42E-59	-0.43688	3.46E-23	-0.53688	3.19E-36	-0.64934	2.91E-57	-0.37386	6.13E-17
8.22E-39	-0.56811	2.89E-41	-0.70827	2.47E-72	-0.72207	2.02E-76	-0.20239	1.05E-05
0.0397	-0.08548	0.06494	-0.27452	1.61E-09	-0.22917	5.56E-07	0.096534	0.03703
2.09E-22	0.554479	5.34E-39	0.405885	6.00E-20	0.550769	2.12E-38	0.206791	6.62E-06
1.24E-25	-0.58872	6.72E-45	-0.59303	1.08E-45	-0.64203	1.27E-55	-0.20022	1.30E-05
2.19E-13	0.58169	1.25E-43	0.431453	1.35E-22	0.488425	2.27E-29	-0.01161	0.8024
1.49E-19	-0.44721	2.42E-24	-0.46821	8.07E-27	-0.53683	3.24E-36	-0.027	0.56051
6.56E-34	-0.64141	1.74E-55	-0.63282	1.28E-53	-0.70082	3.20E-70	-0.17082	0.00021
0.06328	-0.45248	5.99E-25	-0.38314	8.89E-18	-0.34357	2.20E-14	-0.21334	3.29E-06
4.18E-20	-0.31166	5.60E-12	-0.34765	1.03E-14	-0.46946	5.67E-27	-0.25484	2.34E-08
2.23E-13	-0.52021	9.70E-34	-0.47539	1.05E-27	-0.53358	1.02E-35	-0.15357	0.00087
1.34E-27	-0.26566	5.52E-09	-0.24709	6.32E-08	-0.44172	1.01E-23	-0.20798	5.84E-06
3.96E-05	-0.06749	0.14531	-0.11	0.01741	-0.18377	6.48E-05	-0.25181	3.46E-08
1.11E-12	-0.17542	0.00014	-0.30131	2.95E-11	-0.36895	1.66E-16	-0.08207	0.07643
2.79E-17	-0.42902	2.47E-22	-0.42265	1.17E-21	-0.49034	1.28E-29	-0.4156	6.29E-21
2.39E-13	-0.51114	1.91E-32	-0.39182	1.38E-18	-0.43363	7.84E-23	-0.34079	3.65E-14
7.04E-08	-0.30189	2.69E-11	-0.16712	0.00029	-0.30796	1.02E-11	-0.08081	0.08107
4.87E-25	-0.1612	0.00047	-0.34883	8.28E-15	-0.40255	1.28E-19	-0.35121	5.28E-15
3.01E-05	-0.44396	5.63E-24	-0.42194	1.39E-21	-0.41911	2.74E-21	0.027742	0.54983
5.61E-16	-0.28355	4.38E-10	-0.33095	2.13E-13	-0.41839	3.25E-21	0.017424	0.70725
4.73E-18	-0.20344	9.38E-06	-0.38322	8.75E-18	-0.42548	5.88E-22	0.185035	5.75E-05
1.32E-19	-0.31851	1.80E-12	-0.46626	1.39E-26	-0.53806	2.10E-36	-0.03294	0.47759
7.65E-07	-0.14041	0.00236	-0.18891	3.98E-05	-0.24615	7.11E-08	0.061587	0.18398

2.07E-24	-0.38193	1.15E-17	-0.6007	3.90E-47	-0.59021	3.59E-45	-0.24682	6.54E-08
3.13E-13	-0.23235	3.83E-07	-0.39617	5.32E-19	-0.40393	9.36E-20	-0.13331	0.0039
2.33E-08	-0.22621	7.83E-07	-0.28247	5.14E-10	-0.33566	9.24E-14	0.041559	0.37021
9.43E-07	-0.29124	1.40E-10	-0.28757	2.42E-10	-0.32962	2.69E-13	0.199042	1.47E-05
0.00123	-0.26266	8.30E-09	-0.19575	2.04E-05	-0.19392	2.45E-05	-0.06164	0.18363
2.23E-46	-0.60028	4.70E-47	-0.52894	5.06E-35	-0.68094	6.67E-65	-0.15413	0.00083
1.18E-33	-0.5397	1.18E-36	-0.74628	3.15E-84	-0.73873	1.07E-81	-0.19826	1.59E-05
0.03357	-0.35705	1.73E-15	-0.26443	6.53E-09	-0.26577	5.44E-09	-0.23286	3.60E-07
2.79E-15	-0.43363	7.85E-23	-0.43779	2.74E-23	-0.50533	1.23E-31	-0.36077	8.41E-16
1.38E-09	-0.33154	1.92E-13	-0.38	1.72E-17	-0.42141	1.58E-21	0.214905	2.78E-06
2.04E-07	-0.43839	2.36E-23	-0.27937	8.05E-10	-0.35989	9.98E-16	0.090376	0.05096
1.85E-43	0.526869	1.03E-34	0.466463	1.32E-26	0.613748	1.12E-49	0.378969	2.13E-17
6.08E-32	-0.55788	1.48E-39	-0.64932	2.94E-57	-0.66356	1.39E-60	-0.16859	0.00025
4.48E-22	-0.41782	3.72E-21	-0.60899	9.73E-49	-0.58041	2.11E-43	-0.05888	0.20406
2.90E-08	-0.27349	1.86E-09	-0.3112	6.04E-12	-0.34931	7.56E-15	0.181258	8.18E-05
2.72E-18	-0.35956	1.07E-15	-0.3986	3.11E-19	-0.4762	8.30E-28	0.036421	0.43232
2.78E-22	-0.34857	8.69E-15	-0.43349	8.12E-23	-0.48155	1.75E-28	-0.26664	4.83E-09
9.76E-11	-0.51045	2.39E-32	-0.4885	2.22E-29	-0.48039	2.46E-28	-0.26571	5.48E-09
9.63E-26	-0.36234	6.18E-16	-0.61748	1.98E-50	-0.59536	3.97E-46	-0.03957	0.39359
5.94E-32	-0.43117	1.45E-22	-0.5032	2.41E-31	-0.56691	4.62E-41	-0.25055	4.07E-08
1.10E-09	-0.5069	7.45E-32	-0.38312	8.94E-18	-0.4322	1.12E-22	-0.15976	0.00053
5.20E-11	-0.30418	1.87E-11	-0.38735	3.63E-18	-0.40236	1.34E-19	-0.07862	0.08967
1.07E-72	0.405829	6.08E-20	0.569505	1.67E-41	0.66754	1.51E-61	0.158702	0.00058
3.45E-15	-0.51717	2.65E-33	-0.46444	2.31E-26	-0.54447	2.12E-37	-0.21427	2.98E-06
1.26E-39	-0.51585	4.11E-33	-0.64624	1.47E-56	-0.69406	2.30E-68	-0.14396	0.00182
8.40E-16	-0.34635	1.31E-14	-0.44527	4.01E-24	-0.4655	1.72E-26	-0.4737	1.70E-27
6.06E-14	-0.55429	5.72E-39	-0.54763	6.71E-38	-0.54177	5.61E-37	-0.25153	3.59E-08
6.84E-27	-0.47856	4.19E-28	-0.56678	4.85E-41	-0.59073	2.87E-45	-0.16688	0.00029
1.25E-20	-0.40782	3.85E-20	-0.63751	1.25E-54	-0.59868	9.44E-47	0.01953	0.67378
8.78E-47	-0.51623	3.62E-33	-0.41997	2.22E-21	-0.61192	2.57E-49	-0.41745	4.06E-21
3.40E-11	-0.44812	1.90E-24	-0.23076	4.62E-07	-0.3791	2.08E-17	-0.32259	9.03E-13
1.07E-20	-0.59463	5.45E-46	-0.54147	6.24E-37	-0.62235	2.01E-51	-0.15254	0.00094
2.79E-23	-0.30333	2.15E-11	-0.37817	2.52E-17	-0.43856	2.26E-23	-0.25971	1.23E-08
1.44E-06	-0.33539	9.68E-14	-0.29799	4.96E-11	-0.33382	1.28E-13	-0.02681	0.56336
3.14E-11	-0.39096	1.67E-18	-0.18527	5.63E-05	-0.33396	1.25E-13	0.012028	0.79545
6.99E-15	-0.31681	2.39E-12	-0.42612	5.03E-22	-0.43661	3.70E-23	-0.18421	6.22E-05
8.45E-14	-0.49009	1.38E-29	-0.30814	9.93E-12	-0.45859	1.15E-25	-0.03087	0.50571
2.04E-31	-0.53993	1.08E-36	-0.67601	1.20E-63	-0.67785	4.13E-64	-0.1377	0.00286
7.80E-13	0.365209	3.51E-16	0.431597	1.30E-22	0.483901	8.76E-29	0.08797	0.05748
1.67E-14	-0.54358	2.92E-37	-0.48382	8.98E-29	-0.54318	3.38E-37	0.081779	0.07748
0.00143	-0.37999	1.72E-17	-0.33763	6.48E-14	-0.31464	3.43E-12	-0.22053	1.49E-06
1.46E-21	-0.46798	8.62E-27	-0.49806	1.20E-30	-0.57393	2.88E-42	-0.17281	0.00017
5.67E-46	-0.4787	4.03E-28	-0.62785	1.45E-52	-0.69365	2.97E-68	-0.21595	2.48E-06
2.80E-24	-0.29815	4.83E-11	-0.47902	3.67E-28	-0.49149	9.01E-30	-0.34195	2.96E-14
9.58E-26	-0.37154	9.83E-17	-0.40284	1.20E-19	-0.52635	1.23E-34	-0.02299	0.62021

4.19E-32	-0.25392	2.64E-08	-0.45044	1.03E-24	-0.49799	1.23E-30	0.028828	0.53432
0.00051	-0.3778	2.72E-17	-0.37062	1.19E-16	-0.38008	1.69E-17	0.052189	0.26035
2.67E-17	-0.30052	3.34E-11	-0.41358	1.01E-20	-0.43332	8.47E-23	-0.04929	0.28779
5.40E-12	-0.27058	2.80E-09	-0.24259	1.11E-07	-0.32305	8.35E-13	-0.07466	0.1071
2.94E-34	0.578538	4.51E-43	0.539825	1.12E-36	0.637027	1.59E-54	0.432606	1.01E-22
2.33E-16	-0.41824	3.37E-21	-0.40768	3.97E-20	-0.49765	1.37E-30	-0.01928	0.67777
3.76E-23	-0.51121	1.87E-32	-0.56289	2.19E-40	-0.59642	2.52E-46	-0.1082	0.01934
2.92E-12	-0.13714	0.00298	-0.43299	9.19E-23	-0.38778	3.31E-18	0.121654	0.0085
2.97E-14	-0.35334	3.53E-15	-0.37255	8.02E-17	-0.39805	3.50E-19	-0.2923	1.19E-10
8.76E-41	-0.43211	1.15E-22	-0.70807	2.83E-72	-0.69953	7.29E-70	-0.35071	5.81E-15
9.30E-05	-0.43828	2.42E-23	-0.39524	6.53E-19	-0.39358	9.41E-19	-0.17272	0.00018
6.45E-11	-0.53156	2.04E-35	-0.52888	5.15E-35	-0.50243	3.07E-31	-0.22965	5.26E-07
5.89E-15	-0.50883	4.02E-32	-0.57993	2.56E-43	-0.58459	3.77E-44	-0.32213	9.78E-13
1.72E-12	-0.5126	1.19E-32	-0.56086	4.78E-40	-0.53037	3.08E-35	-0.1511	0.00105
4.49E-07	-0.29573	7.03E-11	-0.23541	2.66E-07	-0.30381	1.99E-11	-0.24392	9.40E-08
1.01E-29	-0.33045	2.32E-13	-0.44909	1.47E-24	-0.52398	2.73E-34	-0.00576	0.90121
6.98E-21	-0.32657	4.56E-13	-0.25391	2.64E-08	-0.42337	9.82E-22	-0.18288	7.04E-05
8.92E-21	-0.31316	4.38E-12	-0.38447	6.71E-18	-0.43787	2.69E-23	-0.44528	3.99E-24
2.38E-32	-0.66616	3.27E-61	-0.62693	2.26E-52	-0.70896	1.57E-72	-0.1794	9.70E-05
2.00E-27	-0.28586	3.12E-10	-0.2605	1.11E-08	-0.41895	2.84E-21	-0.35785	1.49E-15
5.39E-47	-0.41992	2.26E-21	-0.50843	4.57E-32	-0.62262	1.77E-51	-0.17411	0.00016
1.08E-38	-0.41849	3.17E-21	-0.57599	1.26E-42	-0.65541	1.17E-58	-0.18514	5.70E-05
1.86E-15	0.530531	2.92E-35	0.426842	4.22E-22	0.506308	9.00E-32	0.19598	2.00E-05
1.08E-27	0.46666	1.25E-26	0.473062	2.04E-27	0.539572	1.23E-36	0.077997	0.09226
2.94E-15	-0.44827	1.83E-24	-0.53168	1.96E-35	-0.54793	6.02E-38	0.001542	0.97348
6.26E-06	-0.3415	3.22E-14	-0.36752	2.21E-16	-0.35363	3.34E-15	-0.09137	0.04845
6.98E-25	-0.45786	1.41E-25	-0.48321	1.07E-28	-0.5651	9.35E-41	-0.00671	0.88502
3.90E-19	0.563765	1.57E-40	0.536535	3.60E-36	0.520261	9.53E-34	0.282304	5.26E-10
3.57E-24	-0.23026	4.89E-07	-0.41189	1.50E-20	-0.44816	1.88E-24	-0.05165	0.26534
2.49E-29	-0.52074	8.11E-34	-0.53007	3.42E-35	-0.60879	1.07E-48	-0.17606	0.00013
1.87E-33	0.310498	6.78E-12	0.216772	2.26E-06	0.425792	5.45E-22	0.272854	2.04E-09
2.16E-18	-0.18789	4.39E-05	-0.39221	1.27E-18	-0.41509	7.10E-21	-0.05007	0.28025
1.93E-11	-0.41165	1.59E-20	-0.41129	1.73E-20	-0.41826	3.35E-21	0.167621	0.00027
3.21E-36	-0.64118	1.96E-55	-0.63112	2.96E-53	-0.71953	1.19E-75	-0.06544	0.15797
7.25E-05	-0.17202	0.00019	-0.31977	1.46E-12	-0.28316	4.65E-10	-0.14763	0.00138
1.98E-18	-0.28402	4.09E-10	-0.46869	7.06E-27	-0.46592	1.53E-26	-0.01986	0.66855
1.16E-09	-0.46583	1.57E-26	-0.35111	5.39E-15	-0.40927	2.76E-20	-0.08067	0.08159
3.16E-25	-0.62323	1.33E-51	-0.54574	1.34E-37	-0.62722	1.97E-52	-0.09847	0.03339
2.09E-36	-0.53158	2.03E-35	-0.53167	1.97E-35	-0.63336	9.80E-54	-0.31325	4.32E-12
2.63E-24	-0.43671	3.61E-23	-0.36536	3.40E-16	-0.50578	1.07E-31	-0.02365	0.61013
1.22E-08	-0.52434	2.42E-34	-0.53869	1.68E-36	-0.52545	1.66E-34	-0.2172	2.16E-06
2.84E-12	-0.3317	1.86E-13	-0.36048	8.90E-16	-0.41547	6.48E-21	0.032381	0.48513
7.53E-27	-0.34506	1.67E-14	-0.51529	4.94E-33	-0.55952	7.96E-40	-0.32546	5.53E-13
9.28E-56	-0.54657	9.89E-38	-0.58792	9.41E-45	-0.69195	8.53E-68	-0.37804	2.59E-17
1.62E-44	-0.586	2.09E-44	-0.65255	5.38E-58	-0.71266	1.32E-73	-0.37865	2.28E-17



1.48E-16	-0.45241	6.11E-25	-0.42979	2.04E-22	-0.4731	2.02E-27	-0.01771	0.70264
7.28E-11	-0.49895	9.12E-31	-0.49656	1.91E-30	-0.51729	2.55E-33	-0.17993	9.23E-05
7.89E-16	-0.19301	2.68E-05	-0.4125	1.30E-20	-0.40801	3.68E-20	-0.28504	3.52E-10
7.25E-06	-0.3698	1.40E-16	-0.3976	3.88E-19	-0.40971	2.49E-20	0.168788	0.00025
2.61E-20	0.319671	1.48E-12	0.374808	5.05E-17	0.439067	1.98E-23	0.248017	5.62E-08
3.12E-07	-0.5198	1.11E-33	-0.59563	3.53E-46	-0.51967	1.16E-33	-0.15006	0.00114
0.85666	-0.22035	1.52E-06	-0.12839	0.00546	-0.11217	0.0153	0.399371	2.61E-19
1.90E-19	-0.52891	5.11E-35	-0.58791	9.44E-45	-0.59175	1.87E-45	-0.12017	0.00934
4.28E-29	-0.55968	7.50E-40	-0.75422	5.49E-87	-0.70732	4.65E-72	-0.28349	4.43E-10
2.38E-17	-0.45938	9.31E-26	-0.51806	1.98E-33	-0.54406	2.45E-37	0.02862	0.53727
0.00201	-0.33541	9.66E-14	-0.29634	6.40E-11	-0.32388	7.25E-13	-0.14844	0.00129
0.02946	-0.20152	1.14E-05	-0.28004	7.31E-10	-0.24667	6.66E-08	0.012087	0.79446
5.99E-26	-0.28197	5.53E-10	-0.26351	7.40E-09	-0.42817	3.05E-22	-0.10144	0.02838
1.39E-15	-0.21504	2.74E-06	-0.42398	8.47E-22	-0.42687	4.19E-22	-0.23273	3.66E-07
2.39E-19	-0.33968	4.47E-14	-0.25447	2.45E-08	-0.43515	5.35E-23	-0.08035	0.08283
4.45E-12	-0.49079	1.12E-29	-0.56761	3.52E-41	-0.53016	3.32E-35	-0.04289	0.35505
1.32E-37	0.55992	6.84E-40	0.43649	3.82E-23	0.565947	6.72E-41	0.417693	3.83E-21
4.10E-28	0.423515	9.48E-22	0.549039	4.01E-38	0.560487	5.51E-40	0.369431	1.51E-16
9.77E-19	-0.44331	6.66E-24	-0.30878	8.95E-12	-0.48007	2.70E-28	-0.1174	0.01112
8.73E-17	-0.54956	3.31E-38	-0.57604	1.24E-42	-0.59342	9.16E-46	-0.11352	0.0141
3.41E-14	-0.33475	1.09E-13	-0.22963	5.27E-07	-0.39439	7.87E-19	-0.13646	0.00313
6.92E-21	-0.54157	6.02E-37	-0.62207	2.30E-51	-0.62592	3.67E-52	-0.19752	1.71E-05
7.20E-10	-0.30567	1.48E-11	-0.41092	1.88E-20	-0.37393	6.04E-17	-0.06376	0.16896
2.32E-28	-0.51364	8.47E-33	-0.47017	4.65E-27	-0.5801	2.39E-43	-0.15968	0.00053
2.25E-28	-0.49801	1.22E-30	-0.50138	4.28E-31	-0.59255	1.32E-45	-0.13149	0.00442
1.59E-33	0.578936	3.84E-43	0.603739	1.02E-47	0.629552	6.35E-53	0.347071	1.15E-14
5.94E-20	-0.59455	5.64E-46	-0.55597	3.05E-39	-0.61718	2.28E-50	-0.1209	0.00891
2.00E-13	-0.46682	1.19E-26	-0.41654	5.04E-21	-0.47245	2.43E-27	-0.12486	0.0069
6.37E-11	-0.49867	9.93E-31	-0.57209	6.02E-42	-0.54949	3.40E-38	-0.21079	4.33E-06
2.00E-08	-0.33006	2.49E-13	-0.43156	1.31E-22	-0.40238	1.33E-19	0.324265	6.79E-13
6.16E-19	-0.46895	6.56E-27	-0.36409	4.38E-16	-0.49821	1.15E-30	-0.1015	0.02829
1.86E-06	0.483259	1.06E-28	0.342268	2.79E-14	0.348743	8.41E-15	-0.05138	0.26779
3.36E-08	-0.39742	4.03E-19	-0.42492	6.73E-22	-0.39958	2.49E-19	-0.25356	2.76E-08
5.16E-26	0.591165	2.39E-45	0.482027	1.52E-28	0.56095	4.62E-40	0.152325	0.00096
2.57E-37	-0.57458	2.22E-42	-0.57576	1.38E-42	-0.67584	1.33E-63	-0.21161	3.97E-06
8.84E-44	-0.61864	1.16E-50	-0.68405	1.05E-65	-0.75644	8.93E-88	-0.31495	3.26E-12
1.35E-24	-0.35952	1.07E-15	-0.26387	7.04E-09	-0.4397	1.69E-23	-0.25067	4.01E-08
1.69E-24	-0.32779	3.69E-13	-0.42705	4.00E-22	-0.50687	7.54E-32	-0.00966	0.83499
7.11E-38	-0.43758	2.90E-23	-0.65625	7.45E-59	-0.66064	6.90E-60	-0.40059	1.99E-19
4.75E-22	-0.19564	2.06E-05	-0.3198	1.45E-12	-0.41306	1.14E-20	-0.25182	3.46E-08
9.05E-10	-0.29397	9.20E-11	-0.3395	4.62E-14	-0.38327	8.65E-18	0.114214	0.01352
1.16E-08	0.645517	2.13E-56	0.499562	7.54E-31	0.541378	6.45E-37	0.175511	0.00014
3.84E-72	0.384746	6.33E-18	0.699245	8.74E-70	0.731805	1.86E-79	0.161035	0.00048
5.59E-15	0.600649	3.99E-47	0.450919	9.07E-25	0.525043	1.91E-34	0.171938	0.00019
2.47E-46	0.64895	3.58E-57	0.667391	1.64E-61	0.74915	3.26E-85	0.287747	2.36E-10

2.32E-40	0.628591	1.01E-52	0.501214	4.50E-31	0.624477	7.33E-52	0.18962	3.72E-05
4.78E-17	-0.33034	2.37E-13	-0.37584	4.08E-17	-0.41843	3.22E-21	-0.23155	4.21E-07
5.14E-16	-0.42892	2.53E-22	-0.41666	4.90E-21	-0.48106	2.02E-28	-0.21823	1.93E-06
5.11E-10	-0.22986	5.13E-07	-0.33435	1.16E-13	-0.36472	3.86E-16	0.108164	0.01939
9.90E-12	-0.53922	1.39E-36	-0.43708	3.29E-23	-0.51551	4.59E-33	-0.21055	4.45E-06
1.11E-11	0.334636	1.11E-13	0.374479	5.40E-17	0.458119	1.31E-25	0.172041	0.00019
0.00019	0.193637	2.52E-05	0.368425	1.85E-16	0.270665	2.77E-09	-0.02146	0.6437
7.73E-07	0.329451	2.77E-13	0.369231	1.57E-16	0.35723	1.67E-15	-0.02227	0.63119
5.60E-05	-0.27368	1.81E-09	-0.07746	0.09455	-0.23331	3.42E-07	0.053695	0.24683
2.62E-17	-0.50031	5.98E-31	-0.60306	1.38E-47	-0.61924	8.74E-51	-0.02274	0.62403
7.35E-19	-0.29132	1.38E-10	-0.29165	1.31E-10	-0.39816	3.43E-19	-0.24957	4.62E-08
5.16E-15	-0.30922	8.35E-12	-0.49597	2.29E-30	-0.50539	1.21E-31	-0.14014	0.0024
1.33E-45	-0.33974	4.43E-14	-0.52296	3.86E-34	-0.60631	3.25E-48	-0.20272	1.01E-05
6.52E-25	-0.45791	1.39E-25	-0.56211	2.96E-40	-0.60291	1.48E-47	-0.21938	1.70E-06
2.60E-18	-0.57683	9.01E-43	-0.49415	4.01E-30	-0.57256	4.99E-42	-0.19697	1.81E-05
1.00E-11	-0.25522	2.23E-08	-0.31816	1.91E-12	-0.4047	7.85E-20	-0.17198	0.00019
5.71E-27	-0.17088	0.00021	-0.44893	1.54E-24	-0.45735	1.62E-25	0.011641	0.80188
1.08E-18	-0.506	9.92E-32	-0.43901	2.01E-23	-0.53011	3.38E-35	-0.21224	3.71E-06
1.03E-08	-0.36028	9.26E-16	-0.35754	1.58E-15	-0.38288	9.40E-18	0.145867	0.00157
1.26E-15	-0.36813	1.96E-16	-0.42607	5.09E-22	-0.48274	1.23E-28	-0.25968	1.24E-08
1.23E-05	-0.30845	9.45E-12	-0.19791	1.65E-05	-0.29394	9.25E-11	0.11202	0.01544
8.51E-13	-0.30607	1.39E-11	-0.51012	2.66E-32	-0.46951	5.60E-27	-0.04377	0.34528
0.00033	-0.31082	6.43E-12	-0.26141	9.82E-09	-0.28487	3.61E-10	0.474264	1.45E-27
9.55E-38	-0.58681	1.50E-44	-0.66302	1.87E-60	-0.70701	5.70E-72	-0.35212	4.45E-15
6.63E-11	-0.21479	2.81E-06	-0.32445	6.57E-13	-0.33672	7.63E-14	-0.11522	0.01272
5.25E-16	-0.43501	5.54E-23	-0.46107	5.86E-26	-0.50012	6.33E-31	-0.10301	0.02601
3.26E-07	-0.13327	0.00391	-0.23521	2.72E-07	-0.2795	7.91E-10	-0.16765	0.00027
4.09E-16	0.642628	9.38E-56	0.502091	3.42E-31	0.595304	4.07E-46	0.202093	1.08E-05
1.12E-18	-0.31212	5.20E-12	-0.32671	4.45E-13	-0.41653	5.05E-21	0.122658	0.00796
3.34E-09	-0.54948	3.41E-38	-0.40575	6.19E-20	-0.48153	1.76E-28	-0.1171	0.01133
5.15E-08	0.563945	1.46E-40	0.379194	2.04E-17	0.423071	1.06E-21	0.132653	0.00408
7.30E-23	0.464014	2.60E-26	0.413815	9.57E-21	0.519352	1.29E-33	0.156004	0.00072
1.07E-18	-0.30601	1.40E-11	-0.41008	2.29E-20	-0.48922	1.79E-29	0.007273	0.87543
7.45E-21	-0.46949	5.63E-27	-0.34707	1.15E-14	-0.49129	9.57E-30	-0.05331	0.25024
9.15E-10	-0.33017	2.44E-13	-0.40537	6.75E-20	-0.41003	2.31E-20	-0.25385	2.66E-08
9.00E-11	-0.35401	3.10E-15	-0.51242	1.26E-32	-0.49127	9.62E-30	-0.14788	0.00135
7.14E-06	-0.35128	5.22E-15	-0.24423	9.05E-08	-0.34211	2.87E-14	-0.02691	0.56194
9.48E-12	-0.49261	6.41E-30	-0.46996	4.93E-27	-0.53189	1.82E-35	-0.16105	0.00048
0.13975	-0.20494	8.03E-06	-0.19371	2.50E-05	-0.21334	3.29E-06	-0.02593	0.57627
1.37E-08	-0.1004	0.03006	-0.33452	1.13E-13	-0.31101	6.23E-12	-0.03074	0.50759
1.05E-20	-0.44493	4.38E-24	-0.46525	1.85E-26	-0.54724	7.75E-38	-0.20102	1.20E-05
1.71E-09	-0.3465	1.28E-14	-0.26431	6.63E-09	-0.34829	9.15E-15	-0.22401	1.01E-06
2.10E-30	-0.23343	3.37E-07	-0.46089	6.16E-26	-0.51826	1.85E-33	-0.11759	0.01099
1.43E-14	-0.55374	7.03E-39	-0.57663	9.78E-43	-0.58157	1.31E-43	0.071049	0.12522
0.00013	-0.26484	6.18E-09	-0.26655	4.89E-09	-0.27415	1.70E-09	-0.01446	0.75529

1.02E-09	-0.48826	2.39E-29	-0.42125	1.64E-21	-0.45066	9.71E-25	0.040538	0.3821
3.03E-08	-0.45471	3.29E-25	-0.40544	6.65E-20	-0.41278	1.22E-20	0.162773	0.00041
3.59E-18	0.518217	1.88E-33	0.506753	7.81E-32	0.553953	6.50E-39	0.146537	0.0015
6.10E-37	-0.37571	4.19E-17	-0.53072	2.74E-35	-0.62226	2.10E-51	-0.24866	5.18E-08
7.36E-34	-0.54489	1.82E-37	-0.55784	1.51E-39	-0.66063	6.96E-60	-0.19455	2.30E-05
7.40E-17	-0.25293	3.00E-08	-0.39655	4.90E-19	-0.40798	3.71E-20	-0.3321	1.74E-13
4.20E-18	-0.54673	9.34E-38	-0.50263	2.88E-31	-0.56949	1.68E-41	-0.05963	0.19833
0.4334	-0.2241	9.97E-07	-0.14583	0.00158	-0.10717	0.02054	-0.03535	0.446
8.02E-24	-0.5214	6.50E-34	-0.61939	8.15E-51	-0.61426	8.81E-50	-0.03642	0.43231
3.71E-26	-0.47302	2.07E-27	-0.58166	1.26E-43	-0.61088	4.14E-49	-0.06804	0.14205
8.86E-08	-0.05286	0.25424	-0.16075	0.00049	-0.19924	1.44E-05	0.000201	0.99654
3.55E-09	0.204188	8.68E-06	0.237143	2.16E-07	0.285757	3.17E-10	0.179598	9.52E-05
2.13E-31	0.545435	1.49E-37	0.623693	1.06E-51	0.682784	2.23E-65	0.228582	5.95E-07
0.00012	-0.27877	8.79E-10	-0.36976	1.41E-16	-0.33525	9.92E-14	0.089449	0.0534
2.82E-31	-0.44579	3.50E-24	-0.54978	3.05E-38	-0.60937	8.22E-49	-0.17672	0.00012
1.35E-26	-0.43478	5.87E-23	-0.39144	1.50E-18	-0.52103	7.38E-34	0.003105	0.94665
2.25E-13	-0.18483	5.87E-05	-0.32157	1.08E-12	-0.32488	6.11E-13	-0.0082	0.85979
2.80E-17	-0.33829	5.76E-14	-0.42626	4.86E-22	-0.462	4.54E-26	-0.20298	9.83E-06
0.00326	-0.25034	4.18E-08	-0.25931	1.30E-08	-0.29489	8.00E-11	0.363939	4.51E-16
8.39E-15	-0.62984	5.51E-53	-0.56579	7.14E-41	-0.5997	6.05E-47	-0.10581	0.0222
7.01E-09	0.489886	1.46E-29	0.381596	1.23E-17	0.465293	1.83E-26	0.092723	0.04521
1.28E-20	-0.55397	6.47E-39	-0.6081	1.46E-48	-0.62985	5.48E-53	-0.15726	0.00065
7.07E-33	0.50702	7.18E-32	0.585104	3.04E-44	0.629758	5.74E-53	0.085592	0.06459
1.86E-24	0.534477	7.41E-36	0.25946	1.27E-08	0.522776	4.10E-34	0.271478	2.47E-09
2.09E-26	-0.51883	1.54E-33	-0.49913	8.62E-31	-0.61022	5.60E-49	-0.22775	6.56E-07
2.18E-12	-0.54219	4.82E-37	-0.64732	8.34E-57	-0.60389	9.58E-48	-0.11427	0.01348
0.00082	-0.24242	1.13E-07	-0.23654	2.32E-07	-0.27032	2.91E-09	-0.0064	0.89025
1.14E-21	-0.39501	6.87E-19	-0.56676	4.89E-41	-0.5701	1.32E-41	0.063901	0.16801
1.05E-34	0.424057	8.31E-22	0.470106	4.73E-27	0.543191	3.36E-37	0.322807	8.71E-13
0.00326	-0.32781	3.68E-13	-0.41101	1.84E-20	-0.39829	3.33E-19	-0.13889	0.00263
5.39E-18	0.570755	1.02E-41	0.598845	8.79E-47	0.611917	2.58E-49	0.107244	0.02045
1.19E-23	-0.49441	3.70E-30	-0.47916	3.52E-28	-0.5812	1.53E-43	-0.02271	0.62454
1.68E-07	-0.32685	4.35E-13	-0.28361	4.34E-10	-0.374	5.95E-17	-0.16627	0.00031
1.22E-29	0.469059	6.36E-27	0.645964	1.69E-56	0.63739	1.33E-54	0.392566	1.17E-18
6.97E-39	0.646017	1.64E-56	0.549432	3.47E-38	0.647905	6.17E-57	0.419408	2.55E-21
3.48E-27	0.574524	2.28E-42	0.540351	9.31E-37	0.615877	4.18E-50	0.403824	9.59E-20
7.56E-18	-0.52251	4.48E-34	-0.39881	2.96E-19	-0.5116	1.64E-32	0.053537	0.24823
1.24E-06	-0.35392	3.16E-15	-0.36711	2.40E-16	-0.3892	2.44E-18	-0.19059	3.39E-05
5.18E-18	-0.46871	7.02E-27	-0.53339	1.08E-35	-0.55241	1.16E-38	-0.21094	4.26E-06
1.22E-21	0.549408	3.50E-38	0.404538	8.16E-20	0.527965	7.05E-35	0.261244	1.00E-08
4.28E-28	-0.45724	1.66E-25	-0.39812	3.45E-19	-0.55195	1.37E-38	-0.26771	4.17E-09
4.26E-20	-0.4452	4.09E-24	-0.56208	3.00E-40	-0.56704	4.40E-41	-0.0957	0.0387
9.07E-06	-0.30822	9.81E-12	-0.29981	3.73E-11	-0.35087	5.64E-15	0.162646	0.00042
2.58E-41	-0.56936	1.77E-41	-0.64968	2.44E-57	-0.70457	2.81E-71	-0.30566	1.48E-11
8.92E-18	-0.54928	3.67E-38	-0.49882	9.50E-31	-0.55912	9.29E-40	-0.14507	0.00167

3.93E-22	0.395252	6.52E-19	0.549404	3.51E-38	0.544321	2.24E-37	0.238578	1.81E-07
1.93E-41	-0.36726	2.33E-16	-0.40054	2.01E-19	-0.52698	9.87E-35	-0.44089	1.24E-23
6.15E-12	-0.49871	9.82E-31	-0.43443	6.42E-23	-0.48808	2.52E-29	-0.26541	5.71E-09
3.38E-08	-0.42209	1.34E-21	-0.41293	1.18E-20	-0.40729	4.35E-20	-0.14749	0.00139
1.45E-21	-0.58577	2.31E-44	-0.59915	7.69E-47	-0.64908	3.35E-57	0.01426	0.75858
1.80E-20	-0.45225	6.37E-25	-0.50589	1.03E-31	-0.56416	1.34E-40	-0.07871	0.08933
1.02E-14	0.448914	1.54E-24	0.465777	1.60E-26	0.515439	4.70E-33	0.472095	2.69E-27
2.17E-10	-0.37591	4.03E-17	-0.34578	1.46E-14	-0.34207	2.90E-14	-0.20326	9.56E-06
0.12003	-0.37052	1.21E-16	-0.23482	2.86E-07	-0.28829	2.17E-10	-0.11205	0.01541
1.73E-35	-0.40971	2.49E-20	-0.44951	1.32E-24	-0.56979	1.49E-41	-0.13958	0.0025
2.51E-21	-0.63741	1.31E-54	-0.55503	4.35E-39	-0.63406	6.96E-54	-0.2096	4.92E-06
1.33E-25	-0.45875	1.11E-25	-0.50287	2.67E-31	-0.57447	2.32E-42	-0.2109	4.28E-06
0.00774	-0.14452	0.00174	-0.29306	1.06E-10	-0.24272	1.09E-07	-0.28091	6.45E-10
1.91E-32	0.323979	7.13E-13	0.299616	3.85E-11	0.394596	7.53E-19	0.32221	9.64E-13
6.56E-20	-0.44174	1.00E-23	-0.41405	9.07E-21	-0.4706	4.12E-27	-0.32584	5.18E-13
8.57E-10	-0.23731	2.12E-07	-0.30855	9.30E-12	-0.34047	3.87E-14	0.232557	3.74E-07
1.52E-36	-0.55349	7.72E-39	-0.53105	2.44E-35	-0.64678	1.11E-56	-0.22676	7.35E-07
1.62E-19	-0.42408	8.26E-22	-0.52542	1.68E-34	-0.55274	1.02E-38	-0.28472	3.69E-10
4.05E-05	-0.20129	1.17E-05	-0.11233	0.01516	-0.21115	4.17E-06	0.013726	0.76734
2.66E-19	0.348261	9.21E-15	0.398492	3.18E-19	0.444363	5.07E-24	0.025427	0.58362
9.57E-22	-0.3768	3.35E-17	-0.41617	5.50E-21	-0.48993	1.45E-29	-0.15934	0.00055
3.30E-29	-0.45315	5.01E-25	-0.53687	3.20E-36	-0.58528	2.82E-44	-0.20543	7.63E-06
1.31E-12	-0.49656	1.91E-30	-0.52674	1.07E-34	-0.53782	2.29E-36	-0.12497	0.00685
9.48E-26	-0.24447	8.78E-08	-0.3256	5.39E-13	-0.4604	7.04E-26	-0.17146	0.0002
7.98E-20	-0.36901	1.64E-16	-0.4537	4.32E-25	-0.52521	1.80E-34	0.020592	0.65715
1.93E-07	-0.21799	1.98E-06	-0.28357	4.37E-10	-0.26778	4.13E-09	-0.07637	0.09927
2.88E-26	-0.24179	1.22E-07	-0.405	7.34E-20	-0.43999	1.57E-23	-0.28746	2.46E-10
2.24E-13	-0.26274	8.20E-09	-0.33795	6.12E-14	-0.35962	1.05E-15	-0.03587	0.43927
2.54E-16	-0.34712	1.14E-14	-0.48631	4.28E-29	-0.48968	1.56E-29	-0.14759	0.00138
3.83E-36	-0.1981	1.62E-05	-0.49949	7.70E-31	-0.50249	3.02E-31	-0.105	0.02325
8.14E-08	-0.29095	1.46E-10	-0.37343	6.70E-17	-0.39542	6.28E-19	0.228877	5.75E-07
9.61E-14	-0.36529	3.45E-16	-0.55203	1.33E-38	-0.50131	4.36E-31	-0.10013	0.0305
1.23E-08	-0.20469	8.24E-06	-0.35575	2.22E-15	-0.3409	3.58E-14	-0.23305	3.53E-07
2.11E-33	-0.55095	1.99E-38	-0.60552	4.64E-48	-0.65976	1.12E-59	-0.38729	3.68E-18
1.36E-21	0.219122	1.75E-06	0.246735	6.61E-08	0.357646	1.54E-15	0.343608	2.18E-14
4.33E-17	-0.50562	1.12E-31	-0.47746	5.77E-28	-0.50449	1.61E-31	0.048302	0.29758
1.64E-05	-0.5309	2.57E-35	-0.38553	5.35E-18	-0.40692	4.74E-20	-0.20247	1.04E-05
1.68E-12	-0.30627	1.34E-11	-0.35287	3.86E-15	-0.42894	2.51E-22	0.089165	0.05416
1.55E-16	-0.16952	0.00023	-0.34481	1.75E-14	-0.40499	7.36E-20	-0.24972	4.53E-08
1.12E-32	0.452196	6.46E-25	0.356984	1.76E-15	0.533392	1.08E-35	0.284522	3.80E-10
2.28E-36	0.691367	1.22E-67	0.660642	6.90E-60	0.723356	8.16E-77	0.30265	2.39E-11
1.75E-52	0.548082	5.70E-38	0.326368	4.73E-13	0.556845	2.19E-39	0.415905	5.86E-21
2.63E-34	0.701599	1.93E-70	0.625282	4.99E-52	0.710959	4.14E-73	0.236792	2.25E-07
3.41E-12	-0.41883	2.93E-21	-0.42164	1.49E-21	-0.46226	4.22E-26	-0.32301	8.41E-13
1.77E-07	-0.09595	0.03819	-0.15402	0.00084	-0.2325	3.76E-07	-0.05929	0.20089

8.23E-10	-0.24546	7.76E-08	-0.32203	9.95E-13	-0.33893	5.12E-14	0.153595	0.00087
3.00E-26	-0.53288	1.29E-35	-0.58354	5.82E-44	-0.59609	2.90E-46	-0.21386	3.11E-06
5.03E-07	-0.56366	1.63E-40	-0.41313	1.12E-20	-0.51593	4.00E-33	-0.09526	0.03961
2.62E-09	-0.32863	3.19E-13	-0.46751	9.84E-27	-0.43902	2.01E-23	-0.30039	3.41E-11
7.04E-30	-0.66208	3.13E-60	-0.61966	7.18E-51	-0.69793	2.01E-69	-0.21054	4.45E-06
2.64E-19	-0.59827	1.13E-46	-0.41404	9.09E-21	-0.54188	5.39E-37	-0.17111	0.0002
2.50E-22	-0.03082	0.50641	-0.32643	4.67E-13	-0.38465	6.46E-18	0.073869	0.11089
6.04E-27	-0.48389	8.79E-29	-0.62609	3.38E-52	-0.62148	3.05E-51	-0.27056	2.81E-09
1.88E-35	-0.5364	3.78E-36	-0.58869	6.80E-45	-0.64758	7.32E-57	-0.18994	3.61E-05
6.90E-32	0.606817	2.59E-48	0.423126	1.04E-21	0.612987	1.58E-49	0.434698	6.00E-23
1.80E-34	-0.56739	3.83E-41	-0.63766	1.16E-54	-0.68277	2.25E-65	-0.08518	0.06589
2.64E-18	-0.50056	5.52E-31	-0.51478	5.84E-33	-0.59587	3.19E-46	-0.23438	3.01E-07
1.03E-24	-0.57973	2.78E-43	-0.61406	9.66E-50	-0.64725	8.66E-57	-0.13634	0.00315
1.01E-15	0.548558	4.78E-38	0.532174	1.65E-35	0.497123	1.61E-30	-0.02762	0.55157
5.32E-56	-0.46979	5.18E-27	-0.6922	7.32E-68	-0.73011	6.41E-79	-0.33582	8.97E-14
3.08E-23	-0.60074	3.83E-47	-0.52316	3.60E-34	-0.61374	1.12E-49	-0.10692	0.02084
0.0492	-0.06464	0.16311	-0.09867	0.03303	-0.14517	0.00166	0.010399	0.82266
5.86E-09	-0.54552	1.45E-37	-0.49468	3.41E-30	-0.48353	9.76E-29	-0.2566	1.86E-08
8.09E-12	-0.25993	1.20E-08	-0.30361	2.05E-11	-0.32735	3.98E-13	0.111506	0.01592
4.85E-12	-0.15654	0.00069	-0.23663	2.30E-07	-0.28317	4.64E-10	0.145243	0.00165
2.39E-09	-0.04992	0.28171	-0.29555	7.22E-11	-0.27793	9.91E-10	-0.09044	0.05081
3.15E-09	-0.20748	6.16E-06	-0.28269	4.97E-10	-0.32431	6.74E-13	-0.17141	0.0002
9.74E-16	-0.38184	1.17E-17	-0.40329	1.08E-19	-0.44785	2.04E-24	-0.25766	1.62E-08
2.31E-15	-0.31354	4.12E-12	-0.42148	1.55E-21	-0.44134	1.11E-23	0.065037	0.16056
5.94E-36	-0.6424	1.05E-55	-0.60428	8.04E-48	-0.70648	8.05E-72	-0.16958	0.00023
9.78E-16	-0.18107	8.32E-05	-0.36611	2.93E-16	-0.38606	4.78E-18	-0.05243	0.25816
1.00E-09	0.128874	0.00528	0.222328	1.22E-06	0.290382	1.59E-10	0.084185	0.06912
5.93E-06	-0.28725	2.54E-10	-0.37146	1.00E-16	-0.32834	3.36E-13	0.234239	3.06E-07
2.06E-16	0.308386	9.55E-12	0.126565	0.00617	0.286301	2.92E-10	0.064526	0.16388
1.24E-11	-0.49591	2.33E-30	-0.36097	8.09E-16	-0.43303	9.10E-23	-0.20169	1.12E-05
6.74E-33	-0.57358	3.33E-42	-0.5055	1.16E-31	-0.63053	3.95E-53	-0.25494	2.31E-08
9.11E-09	-0.46558	1.68E-26	-0.30686	1.22E-11	-0.40194	1.47E-19	-0.23108	4.44E-07
4.36E-54	-0.4633	3.17E-26	-0.53934	1.33E-36	-0.66269	2.24E-60	-0.15489	0.00078
1.16E-56	-0.40743	4.21E-20	-0.42626	4.86E-22	-0.60422	8.27E-48	-0.46553	1.71E-26
2.08E-06	-0.48854	2.19E-29	-0.35544	2.36E-15	-0.41084	1.92E-20	-0.0074	0.87327
3.92E-29	0.471066	3.61E-27	0.508886	3.95E-32	0.589826	4.21E-45	0.277226	1.10E-09
3.11E-10	-0.56376	1.57E-40	-0.50759	5.97E-32	-0.50981	2.94E-32	-0.09706	0.03601
2.59E-28	-0.499	8.97E-31	-0.4795	3.19E-28	-0.57395	2.86E-42	-0.11254	0.01497
2.54E-28	-0.51887	1.51E-33	-0.57268	4.75E-42	-0.64058	2.66E-55	-0.17331	0.00017
1.02E-13	-0.32231	9.47E-13	-0.43304	9.08E-23	-0.44378	5.90E-24	-0.21693	2.22E-06
5.01E-18	-0.14499	0.00168	-0.3413	3.33E-14	-0.39287	1.10E-18	-0.11072	0.01668
1.87E-46	-0.57987	2.62E-43	-0.65952	1.27E-59	-0.72411	4.78E-77	-0.41913	2.72E-21
2.52E-14	-0.53589	4.51E-36	-0.43149	1.34E-22	-0.52599	1.38E-34	-0.16169	0.00045
7.95E-17	-0.1095	0.01793	-0.33537	9.72E-14	-0.3493	7.58E-15	-0.06971	0.1325
3.31E-16	-0.3304	2.34E-13	-0.4873	3.19E-29	-0.50229	3.21E-31	-0.09487	0.04044

2.03E-10	-0.32556	5.43E-13	-0.35994	9.90E-16	-0.40031	2.12E-19	0.305138	1.61E-11
2.68E-41	0.60979	6.79E-49	0.417167	4.34E-21	0.638868	6.31E-55	0.320509	1.29E-12
5.61E-11	-0.6371	1.53E-54	-0.49792	1.25E-30	-0.55027	2.55E-38	-0.18022	8.99E-05
1.57E-33	0.46	7.86E-26	0.519512	1.22E-33	0.597797	1.39E-46	0.086623	0.06142
2.95E-22	-0.37893	2.15E-17	-0.42164	1.49E-21	-0.50971	3.02E-32	-0.13743	0.00292
9.87E-28	-0.39691	4.52E-19	-0.44088	1.25E-23	-0.55227	1.21E-38	-0.36191	6.73E-16
0.00242	-0.30772	1.06E-11	-0.34106	3.48E-14	-0.3079	1.03E-11	0.074601	0.10738
2.12E-06	-0.32964	2.68E-13	-0.3608	8.36E-16	-0.33589	8.86E-14	-0.07519	0.10465
4.76E-07	-0.23477	2.87E-07	-0.32065	1.26E-12	-0.3506	5.93E-15	0.067629	0.1445
8.13E-19	-0.52579	1.48E-34	-0.60129	3.02E-47	-0.61509	6.00E-50	-0.13097	0.00458
2.96E-22	-0.5304	3.06E-35	-0.48438	7.60E-29	-0.57424	2.55E-42	-0.07767	0.09362
2.71E-05	-0.2415	1.27E-07	-0.31948	1.53E-12	-0.29674	6.02E-11	0.080188	0.08345
3.65E-38	-0.56515	9.15E-41	-0.53831	1.92E-36	-0.6692	5.93E-62	-0.102	0.02752
1.15E-16	-0.52192	5.47E-34	-0.46282	3.62E-26	-0.52371	3.00E-34	-0.02555	0.5818
2.67E-14	-0.45535	2.78E-25	-0.41756	3.95E-21	-0.50911	3.67E-32	-0.30778	1.05E-11
6.30E-32	-0.40259	1.27E-19	-0.5025	3.01E-31	-0.56366	1.63E-40	-0.42612	5.03E-22
1.58E-43	-0.47042	4.33E-27	-0.57589	1.31E-42	-0.66456	7.97E-61	-0.18879	4.03E-05
1.94E-40	0.332534	1.61E-13	0.422535	1.20E-21	0.554549	5.20E-39	0.204765	8.18E-06
2.95E-31	0.403284	1.08E-19	0.239182	1.69E-07	0.474082	1.53E-27	0.337686	6.42E-14
1.12E-18	-0.54211	4.96E-37	-0.56851	2.47E-41	-0.58762	1.06E-44	-0.28381	4.22E-10
4.85E-07	-0.40621	5.58E-20	-0.18778	4.44E-05	-0.30088	3.15E-11	-0.21469	2.84E-06
3.08E-49	0.498227	1.14E-30	0.364669	3.90E-16	0.631024	3.09E-53	0.172449	0.00018
6.27E-13	-0.33641	8.07E-14	-0.32244	9.27E-13	-0.40655	5.15E-20	-0.0838	0.0704
4.65E-12	-0.53703	3.02E-36	-0.4289	2.54E-22	-0.50328	2.35E-31	-0.11833	0.01049
1.44E-37	0.281664	5.78E-10	0.364455	4.07E-16	0.462502	3.95E-26	0.072573	0.11731
1.56E-13	-0.59118	2.38E-45	-0.43557	4.82E-23	-0.51941	1.27E-33	-0.17552	0.00014
9.84E-23	-0.41321	1.10E-20	-0.50659	8.22E-32	-0.53651	3.62E-36	-0.36608	2.95E-16
5.45E-16	-0.3493	7.58E-15	-0.47867	4.06E-28	-0.47029	4.49E-27	-0.17982	9.33E-05
9.03E-51	-0.54125	6.76E-37	-0.62611	3.35E-52	-0.72293	1.10E-76	-0.23141	4.28E-07
2.31E-38	0.483338	1.03E-28	0.605854	3.99E-48	0.622591	1.80E-51	0.168328	0.00026
1.41E-31	0.512329	1.30E-32	0.369072	1.62E-16	0.534875	6.45E-36	0.021537	0.64249
4.50E-30	-0.38407	7.31E-18	-0.42566	5.62E-22	-0.54423	2.31E-37	-0.23215	3.92E-07
1.58E-13	-0.43937	1.83E-23	-0.32909	2.95E-13	-0.41894	2.85E-21	-0.20031	1.29E-05
2.21E-22	-0.45714	1.71E-25	-0.43475	5.93E-23	-0.52376	2.94E-34	-0.01407	0.76174
1.91E-12	-0.47473	1.27E-27	-0.52827	6.35E-35	-0.50235	3.15E-31	-0.23148	4.24E-07
4.74E-27	-0.49332	5.17E-30	-0.50889	3.94E-32	-0.58245	9.11E-44	0.028805	0.53464
1.91E-12	-0.43179	1.24E-22	-0.52618	1.30E-34	-0.50665	8.07E-32	-0.08418	0.06915
9.31E-20	-0.56547	8.10E-41	-0.56785	3.20E-41	-0.61509	6.02E-50	-0.10269	0.02649
2.37E-49	-0.49434	3.79E-30	-0.55983	7.09E-40	-0.66145	4.43E-60	-0.27072	2.75E-09
1.73E-64	0.513916	7.74E-33	0.622338	2.03E-51	0.727032	5.94E-78	0.301088	3.05E-11
1.38E-20	-0.51985	1.09E-33	-0.42568	5.60E-22	-0.52037	9.18E-34	-0.02987	0.51958
6.28E-44	0.518164	1.91E-33	0.63015	4.74E-53	0.680736	7.54E-65	0.209368	5.04E-06
3.89E-23	0.166979	0.00029	0.212918	3.45E-06	0.37347	6.64E-17	0.453095	5.08E-25
3.57E-26	-0.46932	5.90E-27	-0.38234	1.05E-17	-0.53004	3.45E-35	-0.09037	0.05098
1.25E-25	0.480427	2.43E-28	0.336378	8.12E-14	0.447146	2.45E-24	0.500064	6.45E-31

2.77E-19	-0.44944	1.34E-24	-0.52813	6.67E-35	-0.53069	2.76E-35	-0.35189	4.65E-15
9.21E-21	-0.41861	3.08E-21	-0.46777	9.14E-27	-0.49978	7.03E-31	-0.47643	7.77E-28
2.72E-26	0.470364	4.40E-27	0.470261	4.53E-27	0.551199	1.81E-38	0.301683	2.78E-11
2.93E-37	-0.6307	3.62E-53	-0.66774	1.35E-61	-0.70395	4.23E-71	-0.49733	1.51E-30
1.30E-10	-0.45902	1.03E-25	-0.46033	7.18E-26	-0.46046	6.93E-26	-0.14377	0.00184
2.72E-29	0.423283	1.00E-21	0.543049	3.54E-37	0.594929	4.79E-46	0.131755	0.00434
2.99E-11	-0.41861	3.08E-21	-0.34839	8.99E-15	-0.40956	2.58E-20	-0.14308	0.00194
8.08E-27	-0.4872	3.28E-29	-0.55934	8.52E-40	-0.61184	2.67E-49	-0.24436	8.90E-08
1.98E-16	-0.41856	3.12E-21	-0.4623	4.18E-26	-0.46764	9.47E-27	-0.19768	1.68E-05
4.40E-36	-0.38508	5.90E-18	-0.51726	2.58E-33	-0.5631	2.03E-40	-0.49424	3.90E-30
4.09E-55	-0.4625	3.96E-26	-0.57295	4.27E-42	-0.67943	1.63E-64	-0.35968	1.04E-15
7.59E-26	-0.57362	3.27E-42	-0.60151	2.74E-47	-0.64723	8.77E-57	-0.1961	1.97E-05
1.68E-59	-0.49724	1.55E-30	-0.57276	4.61E-42	-0.6854	4.67E-66	-0.55275	1.02E-38
4.43E-19	0.416557	5.02E-21	0.39913	2.76E-19	0.496702	1.83E-30	-0.01953	0.67371
1.25E-21	-0.21046	4.49E-06	-0.36044	8.97E-16	-0.43193	1.20E-22	-0.36594	3.03E-16
7.02E-16	-0.31487	3.31E-12	-0.47707	6.45E-28	-0.48259	1.29E-28	-0.11414	0.01358
5.91E-39	0.61831	1.35E-50	0.531775	1.90E-35	0.630166	4.71E-53	0.393773	9.02E-19
7.39E-15	-0.38327	8.66E-18	-0.40413	8.96E-20	-0.47022	4.58E-27	-0.04162	0.36949
1.23E-17	-0.27968	7.71E-10	-0.33351	1.35E-13	-0.40827	3.48E-20	-0.26465	6.33E-09
0.0003	-0.39697	4.46E-19	-0.23511	2.76E-07	-0.29079	1.49E-10	-0.17506	0.00014
1.03E-08	-0.40228	1.36E-19	-0.39162	1.44E-18	-0.41587	5.90E-21	-0.03026	0.51415
6.64E-17	-0.44229	8.68E-24	-0.43543	4.99E-23	-0.44914	1.45E-24	-0.22062	1.48E-06
8.00E-29	-0.49385	4.39E-30	-0.53257	1.44E-35	-0.62554	4.41E-52	-0.18474	5.92E-05
7.22E-12	-0.34486	1.73E-14	-0.27457	1.60E-09	-0.37054	1.21E-16	-0.12824	0.00551
8.32E-54	0.529426	4.27E-35	0.65949	1.29E-59	0.737203	3.36E-81	0.199228	1.44E-05
3.34E-19	-0.44547	3.81E-24	-0.44622	3.13E-24	-0.53536	5.45E-36	-0.02828	0.54216
3.83E-27	-0.43437	6.51E-23	-0.48117	1.96E-28	-0.55052	2.32E-38	-0.19067	3.36E-05
9.88E-37	-0.48861	2.15E-29	-0.44829	1.82E-24	-0.60382	9.85E-48	-0.29629	6.44E-11
1.14E-37	-0.57975	2.76E-43	-0.50123	4.47E-31	-0.62307	1.43E-51	-0.40217	1.39E-19
2.00E-31	-0.45518	2.91E-25	-0.70761	3.85E-72	-0.68373	1.27E-65	-0.11571	0.01234
3.46E-13	-0.51076	2.16E-32	-0.55003	2.78E-38	-0.55782	1.52E-39	-0.04146	0.37138
3.42E-26	-0.48837	2.31E-29	-0.2881	2.24E-10	-0.46492	2.02E-26	-0.15803	0.00061
2.36E-14	-0.31906	1.64E-12	-0.39362	9.33E-19	-0.40823	3.51E-20	-0.27295	2.01E-09
1.58E-21	-0.30305	2.24E-11	-0.36707	2.42E-16	-0.43055	1.69E-22	-0.37431	5.58E-17
4.97E-06	-0.37006	1.33E-16	-0.3146	3.45E-12	-0.35157	4.94E-15	-0.04873	0.29335
1.80E-07	-0.18744	4.58E-05	-0.20531	7.73E-06	-0.2419	1.21E-07	-0.12162	0.00852
2.66E-12	-0.4566	1.98E-25	-0.37175	9.42E-17	-0.47059	4.13E-27	-0.02135	0.64536
1.76E-24	0.323543	7.68E-13	0.37012	1.31E-16	0.470158	4.66E-27	0.151885	0.00099
4.03E-45	0.525232	1.79E-34	0.5526	1.08E-38	0.643568	5.80E-56	0.149219	0.00122
2.16E-09	-0.61923	8.78E-51	-0.42943	2.23E-22	-0.51476	5.86E-33	-0.08961	0.05297
3.08E-19	-0.402	1.45E-19	-0.32002	1.40E-12	-0.43358	7.94E-23	-0.20229	1.06E-05
1.36E-18	-0.54993	2.89E-38	-0.41582	5.97E-21	-0.53592	4.46E-36	-0.03065	0.50883
1.77E-36	0.424078	8.27E-22	0.649248	3.06E-57	0.674039	3.76E-63	0.086795	0.06091
1.85E-34	-0.44129	1.12E-23	-0.49469	3.40E-30	-0.59995	5.43E-47	-0.19746	1.72E-05
9.05E-16	-0.49339	5.05E-30	-0.32997	2.52E-13	-0.50314	2.46E-31	-0.18093	8.43E-05

2.59E-28	-0.64308	7.45E-56	-0.55033	2.49E-38	-0.61282	1.71E-49	-0.37999	1.72E-17
1.20E-10	-0.48497	6.38E-29	-0.378	2.61E-17	-0.44084	1.26E-23	-0.13566	0.00331
3.18E-24	-0.19021	3.52E-05	-0.21252	3.60E-06	-0.37786	2.69E-17	-0.34114	3.43E-14
6.96E-11	-0.24603	7.22E-08	-0.44252	8.17E-24	-0.42348	9.56E-22	-0.08552	0.06483
2.16E-15	-0.39713	4.30E-19	-0.45514	2.94E-25	-0.50617	9.42E-32	-0.11833	0.01049
4.62E-25	-0.52571	1.52E-34	-0.59804	1.25E-46	-0.62828	1.18E-52	-0.13864	0.00268
5.66E-22	-0.47803	4.89E-28	-0.61985	6.55E-51	-0.60032	4.62E-47	-0.1793	9.79E-05
1.29E-17	-0.34364	2.17E-14	-0.52873	5.43E-35	-0.50946	3.28E-32	-0.13945	0.00253
4.02E-39	0.412247	1.38E-20	0.677884	4.03E-64	0.670159	3.45E-62	0.279269	8.17E-10
5.82E-28	0.460351	7.14E-26	0.342357	2.75E-14	0.470829	3.86E-27	0.437462	2.98E-23
5.73E-12	-0.17176	0.00019	-0.37717	3.10E-17	-0.34895	8.10E-15	-0.15599	0.00072
1.14E-12	-0.39846	3.20E-19	-0.39361	9.36E-19	-0.40662	5.07E-20	-0.30994	7.42E-12
1.64E-14	0.562223	2.84E-40	0.303784	2.00E-11	0.475129	1.13E-27	0.106186	0.02173
2.21E-24	-0.61744	2.02E-50	-0.43939	1.83E-23	-0.57785	5.97E-43	-0.32205	9.91E-13
2.96E-12	-0.25612	1.98E-08	-0.30263	2.40E-11	-0.37413	5.80E-17	-0.01342	0.77239
9.39E-28	-0.59462	5.46E-46	-0.69257	5.81E-68	-0.67695	6.94E-64	-0.29191	1.26E-10
2.03E-18	-0.4198	2.32E-21	-0.42953	2.18E-22	-0.48977	1.52E-29	-0.3244	6.63E-13
1.96E-31	-0.71124	3.43E-73	-0.6041	8.70E-48	-0.7128	1.20E-73	-0.26674	4.76E-09
1.81E-16	-0.67764	4.65E-64	-0.55442	5.46E-39	-0.62233	2.04E-51	-0.21066	4.39E-06
5.01E-09	-0.30697	1.20E-11	-0.16618	0.00031	-0.32461	6.40E-13	0.044436	0.33798
9.99E-09	-0.5676	3.52E-41	-0.50728	6.61E-32	-0.51564	4.39E-33	-0.06473	0.16254
2.25E-18	-0.57923	3.41E-43	-0.52694	1.00E-34	-0.57954	3.00E-43	-0.02191	0.63669
3.48E-34	-0.56949	1.68E-41	-0.47801	4.91E-28	-0.62273	1.69E-51	-0.33012	2.46E-13
7.78E-06	-0.45643	2.07E-25	-0.43102	1.50E-22	-0.4281	3.09E-22	0.053649	0.24723
6.67E-32	-0.28626	2.94E-10	-0.46732	1.04E-26	-0.54985	2.98E-38	-0.11414	0.01358
4.23E-13	-0.45907	1.01E-25	-0.40293	1.17E-19	-0.44038	1.42E-23	-0.14497	0.00168
8.10E-35	-0.38041	1.58E-17	-0.41597	5.77E-21	-0.5687	2.30E-41	-0.08182	0.07735
5.91E-35	-0.53912	1.44E-36	-0.55864	1.11E-39	-0.66718	1.85E-61	-0.24934	4.76E-08
3.31E-17	-0.2552	2.23E-08	-0.37399	5.96E-17	-0.43074	1.61E-22	-0.15532	0.00076
1.66E-30	-0.49963	7.39E-31	-0.50753	6.10E-32	-0.60328	1.26E-47	-0.14767	0.00137
2.66E-14	-0.2564	1.91E-08	-0.35343	3.47E-15	-0.41827	3.35E-21	0.119873	0.00952
5.52E-22	-0.52163	6.03E-34	-0.53203	1.74E-35	-0.59532	4.05E-46	-0.26241	8.58E-09
2.14E-08	-0.38607	4.78E-18	-0.40467	7.92E-20	-0.38582	5.03E-18	-0.21138	4.07E-06
9.35E-06	-0.37219	8.62E-17	-0.30125	2.98E-11	-0.39048	1.85E-18	0.002879	0.95053
1.08E-20	-0.25183	3.46E-08	-0.32832	3.37E-13	-0.38965	2.21E-18	-0.04396	0.34323
1.78E-34	0.403968	9.28E-20	0.42508	6.48E-22	0.500604	5.45E-31	0.275353	1.43E-09
1.53E-13	-0.59466	5.37E-46	-0.66325	1.65E-60	-0.64854	4.42E-57	-0.07827	0.09113
7.03E-33	0.575963	1.28E-42	0.438351	2.38E-23	0.581888	1.15E-43	0.424911	6.76E-22
7.07E-19	-0.56587	6.92E-41	-0.44119	1.15E-23	-0.53004	3.46E-35	-0.16883	0.00025
3.45E-25	0.611058	3.82E-49	0.371981	8.99E-17	0.544309	2.25E-37	0.423754	8.95E-22
1.96E-27	-0.59392	7.38E-46	-0.67932	1.74E-64	-0.69931	8.39E-70	-0.24586	7.38E-08
6.31E-39	-0.61039	5.17E-49	-0.67355	4.98E-63	-0.72781	3.40E-78	-0.30966	7.76E-12
3.05E-12	-0.25341	2.82E-08	-0.39887	2.92E-19	-0.36464	3.93E-16	-0.36721	2.36E-16
1.33E-35	-0.37667	3.44E-17	-0.50165	3.92E-31	-0.58364	5.59E-44	-0.3796	1.87E-17
0.00149	-0.25156	3.57E-08	-0.23853	1.83E-07	-0.23372	3.25E-07	-0.07169	0.12184



7.58E-25	-0.47067	4.03E-27	-0.50268	2.84E-31	-0.54892	4.20E-38	-0.03251	0.48344
1.01E-08	-0.48398	8.55E-29	-0.32919	2.90E-13	-0.41908	2.76E-21	-0.01655	0.72128
4.43E-51	0.50184	3.70E-31	0.563324	1.86E-40	0.592968	1.11E-45	0.01519	0.74337
2.61E-05	-0.36496	3.69E-16	-0.2755	1.40E-09	-0.35125	5.25E-15	-0.26385	7.06E-09
0.0005	-0.5166	3.21E-33	-0.43487	5.74E-23	-0.442	9.34E-24	-0.20995	4.74E-06
2.39E-26	0.366434	2.75E-16	0.52569	1.53E-34	0.544534	2.07E-37	-0.05156	0.26611
1.24E-24	-0.50366	2.09E-31	-0.62518	5.23E-52	-0.6389	6.22E-55	-0.23272	3.67E-07
1.20E-26	0.398279	3.33E-19	0.281867	5.61E-10	0.460518	6.82E-26	0.198408	1.57E-05
7.03E-15	-0.21078	4.34E-06	-0.33765	6.45E-14	-0.38766	3.40E-18	-0.08371	0.0707
4.18E-09	-0.40281	1.21E-19	-0.39205	1.32E-18	-0.43224	1.11E-22	-0.23406	3.12E-07
2.36E-50	0.514768	5.86E-33	0.641215	1.93E-55	0.68275	2.28E-65	0.140554	0.00233
2.07E-32	-0.58157	1.31E-43	-0.57129	8.25E-42	-0.67183	1.33E-62	-0.22411	9.96E-07
9.81E-13	-0.40635	5.40E-20	-0.43675	3.57E-23	-0.48787	2.69E-29	-0.0698	0.13204
1.77E-19	-0.57312	3.99E-42	-0.5159	4.04E-33	-0.56466	1.11E-40	-0.1996	1.39E-05
2.98E-17	-0.14516	0.00166	-0.37869	2.26E-17	-0.40511	7.16E-20	0.03047	0.51128
5.49E-27	-0.37779	2.73E-17	-0.42625	4.87E-22	-0.50057	5.50E-31	-0.15032	0.00112
1.83E-05	-0.28147	5.94E-10	-0.31981	1.45E-12	-0.32914	2.92E-13	-0.08732	0.05935
2.37E-39	-0.46651	1.30E-26	-0.48713	3.35E-29	-0.62718	2.00E-52	-0.24064	1.41E-07
1.81E-18	-0.55182	1.44E-38	-0.45433	3.66E-25	-0.55321	8.57E-39	-0.28377	4.24E-10
1.18E-25	-0.45379	4.22E-25	-0.47167	3.04E-27	-0.57339	3.58E-42	-0.22816	6.25E-07
5.41E-16	-0.598	1.27E-46	-0.52119	6.99E-34	-0.605	5.84E-48	-0.24848	5.30E-08
9.84E-15	-0.48503	6.26E-29	-0.42461	7.27E-22	-0.49031	1.29E-29	-0.34756	1.05E-14
5.38E-28	-0.4887	2.10E-29	-0.46062	6.64E-26	-0.59379	7.80E-46	-0.16932	0.00024
6.28E-15	-0.45397	4.02E-25	-0.49081	1.11E-29	-0.49745	1.45E-30	-0.41424	8.66E-21
1.47E-27	-0.54293	3.69E-37	-0.53756	2.51E-36	-0.62152	2.99E-51	-0.33435	1.17E-13
7.83E-35	0.50081	5.11E-31	0.613439	1.29E-49	0.66112	5.32E-60	-0.05432	0.2414
7.80E-17	-0.55632	2.68E-39	-0.59958	6.39E-47	-0.57474	2.09E-42	-0.07027	0.12944
2.10E-38	-0.46022	7.40E-26	-0.70241	1.14E-70	-0.69925	8.70E-70	-0.14926	0.00122
3.67E-22	-0.60441	7.61E-48	-0.53629	3.93E-36	-0.62001	6.08E-51	-0.09308	0.04438
4.13E-20	-0.65064	1.47E-57	-0.59942	6.83E-47	-0.63325	1.04E-53	-0.1373	0.00295
2.14E-18	-0.51194	1.47E-32	-0.44562	3.66E-24	-0.545	1.75E-37	-0.21726	2.15E-06
4.80E-31	-0.40359	1.01E-19	-0.3759	4.04E-17	-0.52177	5.74E-34	-0.08161	0.0781
2.69E-23	-0.43372	7.67E-23	-0.55034	2.49E-38	-0.59158	2.00E-45	-0.28638	2.89E-10
9.90E-26	0.627431	1.77E-52	0.601082	3.30E-47	0.658934	1.75E-59	0.31045	6.83E-12
3.58E-24	-0.32868	3.16E-13	-0.40109	1.78E-19	-0.50876	4.11E-32	-0.14304	0.00194
3.67E-08	-0.25403	2.60E-08	-0.32056	1.28E-12	-0.3429	2.48E-14	-0.27156	2.44E-09
3.57E-14	0.47647	7.68E-28	0.55401	6.36E-39	0.511563	1.66E-32	0.351124	5.37E-15
3.92E-27	-0.41616	5.52E-21	-0.54904	4.00E-38	-0.54708	8.23E-38	-0.46754	9.73E-27
2.55E-19	-0.39558	6.06E-19	-0.46661	1.26E-26	-0.49563	2.55E-30	0.05572	0.22943
1.15E-18	-0.37044	1.23E-16	-0.53799	2.15E-36	-0.50838	4.65E-32	-0.07886	0.0887
7.63E-13	-0.23593	2.50E-07	-0.32405	7.04E-13	-0.40825	3.49E-20	-0.02392	0.60606
7.26E-51	-0.4444	5.03E-24	-0.61173	2.81E-49	-0.69935	8.15E-70	-0.08322	0.07239
2.75E-28	-0.53768	2.40E-36	-0.60141	2.86E-47	-0.63016	4.72E-53	-0.10332	0.02557
2.82E-16	-0.21411	3.03E-06	-0.39757	3.90E-19	-0.40964	2.53E-20	0.001652	0.9716
1.07E-12	-0.2785	9.14E-10	-0.29287	1.09E-10	-0.3825	1.02E-17	0.061355	0.18564

5.89E-20	-0.47779	5.24E-28	-0.43472	5.97E-23	-0.53315	1.18E-35	-0.22353	1.06E-06
1.17E-30	-0.45605	2.30E-25	-0.58083	1.78E-43	-0.62393	9.51E-52	-0.31325	4.32E-12
2.31E-11	-0.37525	4.60E-17	-0.48877	2.05E-29	-0.46471	2.15E-26	-0.20522	7.80E-06
4.00E-22	-0.42489	6.79E-22	-0.52541	1.69E-34	-0.55853	1.16E-39	-0.10054	0.02983
4.04E-07	-0.27139	2.50E-09	-0.29054	1.55E-10	-0.33282	1.53E-13	0.116477	0.01177
2.51E-32	-0.51236	1.28E-32	-0.67173	1.41E-62	-0.68002	1.15E-64	-0.3441	1.99E-14
1.06E-21	-0.42846	2.83E-22	-0.53508	6.01E-36	-0.56933	1.79E-41	-0.19338	2.58E-05
0.00103	0.249821	4.47E-08	0.27528	1.45E-09	0.2753	1.44E-09	0.093746	0.04288
5.28E-05	-0.42292	1.10E-21	-0.40224	1.37E-19	-0.40194	1.47E-19	-0.02047	0.65898
2.14E-37	-0.16022	0.00051	-0.34721	1.12E-14	-0.46233	4.15E-26	-0.2943	8.76E-11
1.92E-22	-0.24209	1.18E-07	-0.41726	4.25E-21	-0.44637	3.00E-24	-0.17239	0.00018
4.43E-12	-0.32266	8.93E-13	-0.45872	1.11E-25	-0.43662	3.70E-23	0.106683	0.02112
3.29E-36	-0.30794	1.03E-11	-0.3185	1.80E-12	-0.50842	4.58E-32	-0.35895	1.20E-15
4.49E-11	-0.06826	0.14081	-0.09385	0.04266	-0.22604	7.99E-07	-0.26046	1.11E-08
1.18E-24	-0.39518	6.62E-19	-0.60802	1.51E-48	-0.62559	4.30E-52	-0.16934	0.00024
2.41E-11	-0.5263	1.24E-34	-0.50924	3.52E-32	-0.51469	6.00E-33	0.005972	0.89759
4.82E-07	-0.44928	1.40E-24	-0.50293	2.62E-31	-0.48401	8.48E-29	0.071169	0.12459
0.02623	-0.34061	3.78E-14	-0.21598	2.47E-06	-0.21193	3.83E-06	0.003383	0.94188
1.59E-14	-0.37629	3.72E-17	-0.44432	5.13E-24	-0.49016	1.35E-29	0.154096	0.00083
5.42E-32	-0.36227	6.26E-16	-0.50619	9.36E-32	-0.55681	2.22E-39	0.014197	0.7596
1.99E-22	-0.31365	4.05E-12	-0.31023	7.08E-12	-0.42468	7.15E-22	-0.30055	3.32E-11
7.44E-29	-0.48892	1.96E-29	-0.50369	2.06E-31	-0.56088	4.74E-40	-0.56705	4.38E-41
1.55E-20	0.210321	4.56E-06	0.262141	8.89E-09	0.376731	3.40E-17	0.275965	1.31E-09
3.58E-13	-0.30433	1.83E-11	-0.36641	2.76E-16	-0.41365	9.96E-21	-0.07016	0.13005
5.70E-43	-0.44641	2.98E-24	-0.61726	2.20E-50	-0.67871	2.48E-64	-0.26282	8.11E-09
1.01E-05	0.372132	8.72E-17	0.333519	1.35E-13	0.35261	4.06E-15	0.308237	9.78E-12
1.12E-21	0.335429	9.62E-14	0.120204	0.00932	0.329665	2.66E-13	0.318408	1.83E-12
2.44E-34	0.248887	5.03E-08	0.331561	1.91E-13	0.505516	1.16E-31	0.308964	8.70E-12
1.64E-43	-0.41348	1.03E-20	-0.45198	6.85E-25	-0.59143	2.13E-45	-0.16592	0.00032
3.64E-19	0.568225	2.76E-41	0.531493	2.09E-35	0.550724	2.16E-38	0.471441	3.24E-27
0.16366	-0.34439	1.89E-14	-0.25185	3.44E-08	-0.23463	2.92E-07	-0.329	2.99E-13
7.84E-26	0.459958	7.95E-26	0.490934	1.07E-29	0.550165	2.65E-38	0.146348	0.00152
9.77E-29	-0.51766	2.26E-33	-0.56863	2.35E-41	-0.63603	2.62E-54	-0.26943	3.29E-09
1.91E-13	-0.61608	3.80E-50	-0.33603	8.63E-14	-0.44874	1.61E-24	0.076709	0.09778
6.44E-30	-0.31887	1.70E-12	-0.51956	1.21E-33	-0.55464	5.03E-39	-0.07405	0.11001
5.48E-32	-0.40043	2.06E-19	-0.45778	1.44E-25	-0.55585	3.19E-39	0.019307	0.6773
2.69E-15	-0.24384	9.50E-08	-0.45015	1.11E-24	-0.42696	4.09E-22	-0.18932	3.83E-05
3.77E-15	-0.44504	4.26E-24	-0.46824	8.02E-27	-0.48938	1.70E-29	-0.08323	0.07234
4.26E-13	-0.45048	1.02E-24	-0.39811	3.46E-19	-0.46014	7.56E-26	0.036151	0.43575
8.93E-33	0.609596	7.41E-49	0.458153	1.30E-25	0.611425	3.23E-49	0.271805	2.36E-09
4.03E-39	0.692419	6.39E-68	0.603863	9.68E-48	0.672614	8.51E-63	0.136125	0.0032
2.05E-07	-0.46382	2.75E-26	-0.27274	2.07E-09	-0.3577	1.53E-15	-0.22876	5.83E-07
1.50E-07	-0.24703	6.37E-08	-0.17952	9.59E-05	-0.26368	7.23E-09	-0.00803	0.86255
3.20E-27	-0.40717	4.47E-20	-0.49263	6.37E-30	-0.54718	7.92E-38	-0.22499	9.01E-07
1.19E-27	-0.44923	1.42E-24	-0.46631	1.38E-26	-0.55555	3.57E-39	-0.11183	0.01562

1.22E-18	0.502024	3.49E-31	0.255684	2.09E-08	0.435184	5.31E-23	0.155906	0.00072
8.81E-16	0.447662	2.14E-24	0.456291	2.15E-25	0.495416	2.72E-30	0.030778	0.50702
3.77E-29	-0.47772	5.36E-28	-0.48584	4.93E-29	-0.55243	1.15E-38	-0.3561	2.08E-15
9.82E-29	0.298203	4.79E-11	0.447404	2.29E-24	0.513179	9.84E-33	0.087479	0.05889
5.48E-37	-0.48342	1.01E-28	-0.58906	5.83E-45	-0.62497	5.79E-52	-0.31756	2.11E-12
3.51E-21	-0.47087	3.82E-27	-0.38409	7.28E-18	-0.4882	2.43E-29	0.095924	0.03825
2.33E-07	-0.32125	1.13E-12	-0.38304	9.08E-18	-0.36949	1.49E-16	-0.44552	3.76E-24
6.33E-12	-0.3869	4.00E-18	-0.51876	1.57E-33	-0.49355	4.82E-30	-0.10047	0.02994
4.91E-06	-0.53761	2.46E-36	-0.33509	1.02E-13	-0.39665	4.79E-19	0.08366	0.07088
1.39E-08	-0.39896	2.86E-19	-0.27029	2.92E-09	-0.34322	2.35E-14	-0.28766	2.39E-10
1.83E-14	-0.2208	1.45E-06	-0.42431	7.81E-22	-0.43672	3.60E-23	0.024989	0.59013
1.81E-11	-0.56152	3.71E-40	-0.37184	9.26E-17	-0.45767	1.48E-25	-0.19269	2.76E-05
5.05E-07	-0.55401	6.35E-39	-0.29675	6.00E-11	-0.38714	3.80E-18	-0.02629	0.57085
4.45E-07	-0.53063	2.82E-35	-0.4718	2.93E-27	-0.44869	1.63E-24	-0.0581	0.21008
2.09E-15	-0.4367	3.62E-23	-0.40666	5.03E-20	-0.47924	3.44E-28	0.044807	0.33396
5.29E-07	-0.4991	8.71E-31	-0.4334	8.30E-23	-0.44923	1.42E-24	-0.12855	0.0054
1.90E-09	-0.46118	5.68E-26	-0.37163	9.66E-17	-0.40452	8.20E-20	0.023373	0.61439
4.42E-19	-0.24294	1.06E-07	-0.32692	4.29E-13	-0.40974	2.47E-20	-0.46617	1.43E-26
4.24E-10	-0.34392	2.06E-14	-0.31627	2.62E-12	-0.36887	1.69E-16	0.093999	0.04232
2.11E-31	-0.34247	2.69E-14	-0.51909	1.41E-33	-0.59363	8.35E-46	-0.20125	1.17E-05
1.06E-43	-0.50045	5.72E-31	-0.67975	1.35E-64	-0.73049	4.86E-79	-0.33717	7.03E-14
4.77E-13	-0.34126	3.35E-14	-0.3063	1.34E-11	-0.39285	1.10E-18	0.010434	0.82207
7.83E-19	-0.47116	3.51E-27	-0.51359	8.61E-33	-0.55926	8.79E-40	-0.06006	0.1951
5.56E-24	-0.41476	7.67E-21	-0.57362	3.27E-42	-0.59762	1.50E-46	-0.24399	9.33E-08
1.19E-38	-0.44908	1.48E-24	-0.57703	8.31E-43	-0.63405	6.98E-54	-0.30444	1.80E-11
2.07E-23	-0.2498	4.48E-08	-0.47704	6.51E-28	-0.50292	2.63E-31	-0.13141	0.00445
3.70E-23	-0.44292	7.37E-24	-0.50389	1.94E-31	-0.56677	4.88E-41	-0.07947	0.08626
1.11E-27	-0.46765	9.45E-27	-0.44559	3.69E-24	-0.59195	1.71E-45	-0.1279	0.00564
3.61E-20	-0.62304	1.45E-51	-0.5623	2.76E-40	-0.62624	3.15E-52	-0.2815	5.91E-10
2.55E-14	-0.6129	1.65E-49	-0.6219	2.50E-51	-0.60072	3.87E-47	-0.07795	0.09247
8.03E-07	-0.39568	5.93E-19	-0.34453	1.84E-14	-0.35949	1.08E-15	-0.16204	0.00044
5.24E-25	-0.41739	4.12E-21	-0.49178	8.25E-30	-0.55651	2.49E-39	-0.0255	0.5826
2.67E-44	-0.4591	1.00E-25	-0.61077	4.36E-49	-0.6645	8.25E-61	-0.39856	3.13E-19
2.26E-22	-0.44379	5.89E-24	-0.55953	7.93E-40	-0.5623	2.75E-40	-0.41428	8.59E-21
6.63E-32	-0.54014	1.00E-36	-0.53859	1.74E-36	-0.65929	1.44E-59	-0.1286	0.00538
1.85E-23	-0.57175	6.89E-42	-0.45782	1.42E-25	-0.58872	6.72E-45	-0.23848	1.84E-07
3.46E-28	0.402302	1.35E-19	0.325213	5.77E-13	0.441289	1.12E-23	0.043095	0.35277
2.26E-18	-0.38752	3.50E-18	-0.52341	3.32E-34	-0.51186	1.51E-32	-0.07738	0.09486
9.79E-31	-0.65986	1.06E-59	-0.69484	1.41E-68	-0.72499	2.56E-77	-0.3237	7.48E-13
1.04E-19	-0.32347	7.77E-13	-0.4916	8.71E-30	-0.52323	3.52E-34	0.048981	0.29084
1.86E-13	-0.66739	1.65E-61	-0.61938	8.16E-51	-0.61785	1.67E-50	-0.14086	0.00228
1.46E-31	-0.58136	1.43E-43	-0.64123	1.91E-55	-0.71111	3.73E-73	-0.18065	8.65E-05
6.87E-09	-0.45976	8.39E-26	-0.45157	7.63E-25	-0.45431	3.67E-25	-0.17831	0.00011
2.99E-11	-0.28677	2.72E-10	-0.35132	5.18E-15	-0.36694	2.48E-16	-0.11817	0.01059
1.18E-21	-0.4785	4.26E-28	-0.62471	6.55E-52	-0.60134	2.95E-47	0.029297	0.52768

4.15E-19	-0.65891	1.77E-59	-0.61071	4.47E-49	-0.64914	3.24E-57	-0.1702	0.00022
3.78E-17	-0.52267	4.25E-34	-0.53095	2.53E-35	-0.57092	9.55E-42	-0.24738	6.09E-08
1.47E-31	-0.38291	9.34E-18	-0.60987	6.55E-49	-0.60672	2.70E-48	-0.30963	7.81E-12
1.02E-25	-0.30988	7.49E-12	-0.50407	1.83E-31	-0.49812	1.18E-30	0.027843	0.54838
1.70E-08	-0.39203	1.32E-18	-0.39857	3.12E-19	-0.40901	2.93E-20	-0.18776	4.45E-05
3.96E-30	-0.41835	3.28E-21	-0.47586	9.16E-28	-0.55543	3.73E-39	-0.30298	2.27E-11
5.55E-08	-0.51571	4.30E-33	-0.37181	9.31E-17	-0.42853	2.79E-22	0.074877	0.10609
6.18E-23	-0.40972	2.49E-20	-0.54915	3.85E-38	-0.54117	6.94E-37	-0.01986	0.66865
2.43E-05	-0.40671	4.97E-20	-0.38216	1.09E-17	-0.40108	1.78E-19	-0.06194	0.18151
1.49E-21	-0.6334	9.65E-54	-0.59311	1.04E-45	-0.64868	4.11E-57	-0.15367	0.00086
4.46E-47	-0.39434	7.96E-19	-0.57253	5.05E-42	-0.64263	9.35E-56	-0.27707	1.12E-09
1.47E-06	-0.38693	3.97E-18	-0.28983	1.72E-10	-0.34157	3.17E-14	0.115516	0.01249
4.74E-19	-0.55135	1.71E-38	-0.41932	2.60E-21	-0.54605	1.20E-37	-0.39465	7.44E-19
9.26E-09	-0.05254	0.25711	-0.21267	3.54E-06	-0.23531	2.69E-07	-0.00073	0.98747
0.02116	-0.27075	2.73E-09	-0.25498	2.30E-08	-0.27627	1.26E-09	0.129499	0.00507
0.03887	-0.28786	2.32E-10	-0.14405	0.0018	-0.11335	0.01425	0.041713	0.36844
1.91E-11	-0.22915	5.57E-07	-0.38506	5.92E-18	-0.38723	3.73E-18	0.040847	0.37847
0.00034	-0.26899	3.49E-09	-0.24867	5.17E-08	-0.24426	9.02E-08	0.198404	1.57E-05
1.27E-24	-0.52641	1.20E-34	-0.54002	1.05E-36	-0.60035	4.56E-47	-0.15706	0.00066
6.84E-10	0.582555	8.73E-44	0.385207	5.74E-18	0.411094	1.81E-20	0.499404	7.92E-31
4.56E-19	0.587748	1.01E-44	0.493029	5.65E-30	0.566148	6.22E-41	0.383702	7.90E-18
1.92E-07	-0.02264	0.62549	-0.24174	1.23E-07	-0.23629	2.39E-07	-0.09918	0.03213
6.20E-16	-0.41483	7.55E-21	-0.35984	1.01E-15	-0.44046	1.39E-23	-0.28631	2.92E-10
1.60E-11	-0.5643	1.27E-40	-0.42024	2.09E-21	-0.46498	1.99E-26	-0.14552	0.00162
1.11E-09	-0.47213	2.67E-27	-0.44796	1.98E-24	-0.47967	3.04E-28	-0.09161	0.04788
1.55E-17	-0.55389	6.66E-39	-0.5563	2.70E-39	-0.59136	2.20E-45	-0.00429	0.92638
2.46E-20	-0.49937	8.00E-31	-0.50747	6.21E-32	-0.55538	3.81E-39	-0.12206	0.00828
3.05E-20	-0.4318	1.24E-22	-0.48967	1.56E-29	-0.53991	1.09E-36	0.070185	0.12989
1.10E-14	0.298485	4.59E-11	0.42839	2.88E-22	0.456241	2.18E-25	0.083428	0.07167
2.50E-13	0.427768	3.36E-22	0.285027	3.53E-10	0.389627	2.22E-18	0.110229	0.01717
8.99E-40	-0.55723	1.90E-39	-0.51	2.76E-32	-0.6327	1.36E-53	-0.34308	2.41E-14
2.22E-24	-0.40866	3.18E-20	-0.44472	4.63E-24	-0.50125	4.45E-31	-0.12156	0.00854
4.36E-16	-0.40193	1.47E-19	-0.38257	1.00E-17	-0.44886	1.56E-24	0.061509	0.18454
4.19E-41	0.402119	1.41E-19	0.565377	8.39E-41	0.605731	4.21E-48	0.202281	1.06E-05
2.61E-13	-0.40543	6.66E-20	-0.46828	7.92E-27	-0.45356	4.49E-25	-0.10248	0.0268
5.81E-08	-0.30331	2.15E-11	-0.46167	4.98E-26	-0.4335	8.10E-23	-0.00223	0.9616
7.10E-11	-0.40109	1.78E-19	-0.33235	1.66E-13	-0.40354	1.02E-19	-0.09307	0.0444
1.30E-32	-0.2372	2.14E-07	-0.50072	5.26E-31	-0.51956	1.21E-33	-0.00847	0.8552
5.85E-16	0.395216	6.57E-19	0.474435	1.38E-27	0.434651	6.07E-23	-0.01769	0.70304
5.45E-32	0.47687	6.84E-28	0.453874	4.13E-25	0.585965	2.13E-44	0.205438	7.62E-06
1.88E-27	-0.46908	6.32E-27	-0.58709	1.33E-44	-0.61499	6.29E-50	-0.26843	3.77E-09
1.20E-30	-0.39821	3.38E-19	-0.42912	2.41E-22	-0.51979	1.12E-33	-0.10521	0.02298
1.15E-16	-0.41049	2.08E-20	-0.45189	7.02E-25	-0.46621	1.41E-26	-0.16507	0.00034
5.69E-16	-0.63308	1.13E-53	-0.61318	1.45E-49	-0.60904	9.55E-49	-0.15767	0.00063
5.00E-38	-0.59336	9.40E-46	-0.70072	3.39E-70	-0.73743	2.84E-81	-0.2329	3.59E-07

0.05456	-0.39299	1.07E-18	-0.29791	5.02E-11	-0.19401	2.43E-05	0.045827	0.32305
3.86E-15	-0.33568	9.20E-14	-0.34793	9.79E-15	-0.4417	1.01E-23	-0.28669	2.76E-10
2.92E-32	-0.55666	2.36E-39	-0.64927	3.02E-57	-0.66916	6.06E-62	-0.12353	0.00753
3.48E-18	-0.39771	3.78E-19	-0.47204	2.74E-27	-0.4796	3.10E-28	-0.20403	8.82E-06
6.55E-19	-0.11684	0.01151	-0.25007	4.33E-08	-0.36776	2.11E-16	-0.13915	0.00258
4.47E-15	-0.27964	7.75E-10	-0.2493	4.78E-08	-0.36704	2.43E-16	-0.29311	1.05E-10
2.76E-07	-0.42811	3.09E-22	-0.41364	9.97E-21	-0.42813	3.07E-22	-0.04223	0.36253
7.70E-13	-0.49442	3.69E-30	-0.48199	1.54E-28	-0.51648	3.33E-33	0.044822	0.33379
2.64E-22	-0.37633	3.69E-17	-0.52313	3.64E-34	-0.55557	3.55E-39	-0.11865	0.01028
3.86E-26	-0.56269	2.37E-40	-0.4422	8.87E-24	-0.58962	4.59E-45	-0.2916	1.32E-10
3.06E-27	-0.46615	1.44E-26	-0.46798	8.62E-27	-0.58709	1.33E-44	-0.15098	0.00106
2.14E-22	-0.60285	1.52E-47	-0.46432	2.39E-26	-0.59012	3.72E-45	-0.13839	0.00273
9.20E-19	-0.27977	7.60E-10	-0.38236	1.05E-17	-0.42615	4.99E-22	-0.25346	2.80E-08
1.40E-25	-0.41995	2.24E-21	-0.45437	3.61E-25	-0.53289	1.29E-35	-0.14858	0.00128
1.41E-35	0.389344	2.36E-18	0.528369	6.14E-35	0.610866	4.17E-49	0.028852	0.53397
2.50E-29	-0.58281	7.87E-44	-0.54948	3.41E-38	-0.63239	1.59E-53	-0.20692	6.53E-06
2.29E-20	-0.44444	4.98E-24	-0.47548	1.02E-27	-0.52367	3.03E-34	-0.0286	0.53756
4.46E-30	-0.33109	2.08E-13	-0.46852	7.40E-27	-0.5456	1.41E-37	-0.30414	1.89E-11
1.65E-07	-0.17149	0.0002	-0.11778	0.01086	-0.2348	2.86E-07	-0.17391	0.00016
0.01591	-0.11449	0.0133	-0.18563	5.44E-05	-0.18555	5.48E-05	0.025757	0.57875
7.68E-18	-0.24905	4.93E-08	-0.53954	1.24E-36	-0.473	2.08E-27	-0.16503	0.00034
5.65E-25	-0.12601	0.0064	-0.09803	0.03418	-0.30146	2.88E-11	-0.24808	5.58E-08
2.05E-07	-0.21659	2.31E-06	-0.24391	9.42E-08	-0.30767	1.07E-11	0.128302	0.00549
5.55E-22	-0.56028	5.97E-40	-0.67017	3.42E-62	-0.64196	1.32E-55	-0.25253	3.16E-08
4.60E-29	0.450496	1.02E-24	0.549359	3.56E-38	0.608943	9.96E-49	0.341779	3.05E-14
1.35E-27	-0.36688	2.52E-16	-0.56611	6.31E-41	-0.58808	8.77E-45	-0.04113	0.37518
4.40E-36	-0.52303	3.77E-34	-0.59688	2.06E-46	-0.65224	6.33E-58	-0.31063	6.63E-12
2.50E-19	-0.47716	6.29E-28	-0.31793	1.99E-12	-0.48927	1.76E-29	-0.30385	1.98E-11
1.85E-33	0.465675	1.64E-26	0.439141	1.95E-23	0.54483	1.86E-37	0.177974	0.00011
4.54E-37	-0.39525	6.52E-19	-0.38662	4.24E-18	-0.56817	2.83E-41	-0.12962	0.00503
6.94E-12	0.087667	0.05835	0.275474	1.41E-09	0.324254	6.80E-13	-0.07727	0.09535
4.33E-19	-0.35069	5.83E-15	-0.45769	1.47E-25	-0.48937	1.71E-29	-0.11598	0.01213
7.31E-32	-0.36406	4.41E-16	-0.35699	1.75E-15	-0.48996	1.43E-29	-0.09589	0.03831
1.01E-10	-0.46409	2.55E-26	-0.19831	1.58E-05	-0.34034	3.97E-14	-0.33428	1.18E-13
2.10E-52	-0.52534	1.73E-34	-0.59127	2.29E-45	-0.69711	3.38E-69	-0.36904	1.63E-16
5.07E-06	-0.43531	5.14E-23	-0.4247	7.11E-22	-0.42151	1.54E-21	0.239559	1.61E-07
1.97E-07	-0.49641	2.00E-30	-0.43246	1.05E-22	-0.41216	1.41E-20	-0.04709	0.30987
1.82E-22	-0.42738	3.69E-22	-0.51537	4.81E-33	-0.56506	9.51E-41	-0.19015	3.53E-05
9.33E-26	0.445342	3.93E-24	0.564886	1.01E-40	0.586592	1.64E-44	0.340797	3.65E-14
1.52E-35	-0.54256	4.22E-37	-0.51699	2.82E-33	-0.66754	1.51E-61	-0.13991	0.00244
4.97E-09	0.405197	7.02E-20	0.299283	4.05E-11	0.353966	3.13E-15	-0.04953	0.28541
1.45E-24	-0.27712	1.11E-09	-0.4789	3.79E-28	-0.48547	5.50E-29	-0.18873	4.05E-05
1.39E-39	0.526642	1.11E-34	0.467419	1.01E-26	0.602437	1.82E-47	0.2386	1.81E-07
2.19E-22	-0.5109	2.06E-32	-0.41793	3.62E-21	-0.53324	1.14E-35	-0.05898	0.20326
8.54E-29	-0.40279	1.21E-19	-0.40948	2.63E-20	-0.55831	1.26E-39	-0.14818	0.00132

6.23E-11	-0.58118	1.54E-43	-0.45281	5.48E-25	-0.48981	1.50E-29	-0.39486	7.10E-19
2.07E-15	-0.29862	4.49E-11	-0.34867	8.52E-15	-0.41054	2.06E-20	0.01804	0.69739
5.81E-15	0.415983	5.75E-21	0.240103	1.51E-07	0.356177	2.05E-15	0.3042	1.87E-11
6.28E-08	-0.20063	1.25E-05	-0.27957	7.83E-10	-0.32108	1.17E-12	-0.0554	0.2321
1.26E-24	0.484127	8.19E-29	0.549822	3.01E-38	0.551674	1.52E-38	0.393637	9.29E-19
7.05E-21	0.678671	2.54E-64	0.436345	3.96E-23	0.550674	2.20E-38	0.205287	7.74E-06
4.99E-30	-0.54101	7.36E-37	-0.61877	1.09E-50	-0.67807	3.61E-64	-0.30559	1.50E-11
1.51E-23	-0.42186	1.41E-21	-0.44084	1.26E-23	-0.50492	1.40E-31	0.028254	0.54248
5.63E-08	-0.49023	1.32E-29	-0.47938	3.30E-28	-0.46364	2.89E-26	-0.04004	0.38793
1.13E-07	-0.32886	3.07E-13	-0.2916	1.32E-10	-0.3277	3.75E-13	-0.27826	9.46E-10
3.17E-11	0.434031	7.09E-23	0.24973	4.52E-08	0.346576	1.26E-14	0.416012	5.71E-21
6.99E-12	0.341474	3.23E-14	0.294901	7.98E-11	0.333273	1.41E-13	0.242558	1.11E-07
1.25E-18	-0.20876	5.38E-06	-0.25874	1.40E-08	-0.37256	7.99E-17	0.008147	0.86061
2.78E-22	-0.52662	1.12E-34	-0.39023	1.95E-18	-0.52767	7.79E-35	-0.08472	0.06736
1.09E-12	-0.42217	1.31E-21	-0.48139	1.84E-28	-0.52906	4.84E-35	-0.41948	2.50E-21
2.58E-24	0.518895	1.50E-33	0.460981	6.01E-26	0.530867	2.60E-35	0.36471	3.87E-16
1.20E-27	-0.43592	4.41E-23	-0.4896	1.60E-29	-0.60585	3.99E-48	0.03556	0.4433
7.08E-06	-0.43586	4.48E-23	-0.36287	5.57E-16	-0.36269	5.77E-16	-0.19394	2.44E-05
2.70E-09	-0.21525	2.67E-06	-0.36475	3.84E-16	-0.36635	2.80E-16	0.133102	0.00396
1.78E-37	-0.39946	2.56E-19	-0.40184	1.50E-19	-0.54719	7.89E-38	-0.1951	2.18E-05
7.03E-18	0.466007	1.50E-26	0.363455	4.96E-16	0.444507	4.89E-24	0.362737	5.72E-16
8.78E-25	-0.4668	1.20E-26	-0.63716	1.48E-54	-0.63277	1.31E-53	-0.07477	0.10659
1.11E-15	-0.39814	3.44E-19	-0.47709	6.43E-28	-0.45423	3.75E-25	-0.22216	1.24E-06
1.41E-37	0.182519	7.28E-05	0.368743	1.73E-16	0.37127	1.04E-16	0.015356	0.74067
1.36E-19	-0.48997	1.43E-29	-0.44366	6.09E-24	-0.51482	5.76E-33	-0.22045	1.51E-06
5.52E-28	0.594118	6.78E-46	0.466061	1.47E-26	0.582144	1.03E-43	0.421876	1.41E-21
5.08E-10	-0.30521	1.59E-11	-0.30549	1.52E-11	-0.4076	4.05E-20	0.011478	0.80461
2.26E-18	-0.46896	6.54E-27	-0.44025	1.46E-23	-0.50165	3.92E-31	-0.08674	0.06106
6.79E-50	0.359327	1.11E-15	0.478219	4.63E-28	0.560355	5.80E-40	0.13462	0.00356
0.00112	-0.39911	2.77E-19	-0.32496	6.03E-13	-0.32302	8.40E-13	-0.2877	2.37E-10
8.29E-40	0.709285	1.26E-72	0.481005	2.05E-28	0.65385	2.69E-58	0.441998	9.35E-24
9.21E-41	0.522799	4.07E-34	0.632587	1.44E-53	0.646669	1.17E-56	0.251506	3.60E-08
1.62E-22	-0.46309	3.36E-26	-0.65772	3.38E-59	-0.6171	2.37E-50	-0.12901	0.00523
1.81E-18	-0.44352	6.31E-24	-0.51674	3.06E-33	-0.51796	2.04E-33	-0.13112	0.00454
7.84E-21	-0.41231	1.36E-20	-0.50828	4.79E-32	-0.57149	7.63E-42	-0.08732	0.05935
1.79E-21	-0.49642	2.00E-30	-0.57846	4.67E-43	-0.61205	2.43E-49	-0.03798	0.4129
7.31E-07	-0.24496	8.26E-08	-0.27508	1.49E-09	-0.32366	7.52E-13	-0.08207	0.07643
6.07E-31	-0.24889	5.03E-08	-0.27795	9.89E-10	-0.44347	6.39E-24	-0.13286	0.00402
5.84E-42	-0.50096	4.87E-31	-0.58978	4.29E-45	-0.66245	2.56E-60	-0.44378	5.90E-24
2.52E-55	0.4521	6.63E-25	0.374539	5.33E-17	0.619771	6.80E-51	0.16161	0.00045
2.12E-17	-0.53866	1.70E-36	-0.43986	1.62E-23	-0.54621	1.13E-37	-0.08154	0.07836
8.70E-06	-0.4533	4.82E-25	-0.38549	5.40E-18	-0.38926	2.41E-18	-0.0173	0.70928
3.79E-15	-0.23243	3.79E-07	-0.35003	6.61E-15	-0.34684	1.20E-14	0.052458	0.2579
1.06E-19	-0.33641	8.07E-14	-0.37764	2.81E-17	-0.44278	7.65E-24	-0.07562	0.10266
0.00013	-0.14823	0.00132	-0.30555	1.51E-11	-0.29729	5.53E-11	0.064715	0.16265

1.31E-23	-0.49537	2.76E-30	-0.55816	1.34E-39	-0.60479	6.42E-48	-0.04295	0.35437
4.19E-28	-0.40802	3.68E-20	-0.37212	8.74E-17	-0.54499	1.75E-37	-0.18308	6.91E-05
1.30E-25	0.202347	1.05E-05	0.455905	2.39E-25	0.47771	5.37E-28	0.053763	0.24623
4.47E-11	-0.53671	3.38E-36	-0.37493	4.93E-17	-0.43638	3.92E-23	-0.14826	0.00131
1.60E-38	0.4586	1.15E-25	0.464895	2.04E-26	0.580175	2.32E-43	0.017668	0.70334
1.49E-30	-0.42169	1.47E-21	-0.52976	3.80E-35	-0.61321	1.43E-49	-0.14834	0.00131
0.00013	-0.20229	1.06E-05	-0.30582	1.44E-11	-0.32588	5.14E-13	0.088194	0.05684
1.05E-27	0.602359	1.88E-47	0.635676	3.12E-54	0.679969	1.19E-64	0.373814	6.19E-17
1.07E-12	-0.26967	3.18E-09	-0.39479	7.21E-19	-0.43188	1.21E-22	-0.23474	2.88E-07
7.79E-13	-0.67178	1.37E-62	-0.60939	8.15E-49	-0.59402	7.06E-46	-0.23119	4.39E-07
3.45E-16	0.628054	1.31E-52	0.479787	2.93E-28	0.535362	5.44E-36	0.370434	1.23E-16
1.46E-12	-0.4673	1.04E-26	-0.56337	1.82E-40	-0.52071	8.19E-34	-0.30122	2.99E-11
3.67E-35	0.621661	2.79E-51	0.604261	8.11E-48	0.661205	5.07E-60	0.039952	0.38902
5.24E-08	0.472188	2.62E-27	0.405518	6.53E-20	0.428058	3.13E-22	0.34734	1.09E-14
1.02E-57	-0.44189	9.61E-24	-0.59766	1.47E-46	-0.68739	1.40E-66	-0.45494	3.10E-25
7.46E-08	-0.4799	2.84E-28	-0.42145	1.56E-21	-0.44719	2.43E-24	-0.05213	0.26092
1.52E-15	-0.43436	6.53E-23	-0.41484	7.53E-21	-0.4896	1.60E-29	-0.15388	0.00085
4.15E-17	-0.32432	6.72E-13	-0.42454	7.40E-22	-0.47163	3.07E-27	-0.09758	0.03502
7.85E-38	-0.52089	7.72E-34	-0.49106	1.03E-29	-0.63007	4.93E-53	-0.28983	1.72E-10
6.22E-22	-0.49038	1.26E-29	-0.56818	2.81E-41	-0.58419	4.44E-44	-0.05699	0.21899
2.78E-14	-0.27408	1.72E-09	-0.26912	3.43E-09	-0.34031	3.99E-14	0.002116	0.96362
5.21E-07	-0.31358	4.09E-12	-0.41002	2.32E-20	-0.36571	3.17E-16	-0.25137	3.67E-08
1.30E-25	0.508383	4.64E-32	0.51451	6.37E-33	0.527022	9.73E-35	0.22352	1.07E-06
3.44E-18	-0.49271	6.23E-30	-0.48157	1.74E-28	-0.5193	1.31E-33	-0.28686	2.69E-10
1.49E-26	0.538119	2.06E-36	0.563696	1.61E-40	0.57328	3.74E-42	0.249302	4.78E-08
9.88E-17	-0.38572	5.14E-18	-0.27483	1.54E-09	-0.37633	3.69E-17	0.020066	0.66537
3.04E-15	-0.4342	6.80E-23	-0.34354	2.21E-14	-0.45045	1.03E-24	0.003863	0.93364
2.72E-25	0.508976	3.83E-32	0.353198	3.63E-15	0.540179	9.90E-37	0.110138	0.01727
4.13E-33	0.392423	1.21E-18	0.528191	6.53E-35	0.580268	2.23E-43	0.434248	6.71E-23
0.00583	-0.21838	1.90E-06	-0.14774	0.00137	-0.2041	8.76E-06	0.01267	0.78479
1.80E-26	-0.40504	7.27E-20	-0.38241	1.04E-17	-0.54633	1.08E-37	-0.18705	4.76E-05
1.92E-10	-0.40909	2.88E-20	-0.48521	5.94E-29	-0.47372	1.69E-27	-0.04537	0.32793
3.48E-56	-0.46687	1.18E-26	-0.60922	8.80E-49	-0.70364	5.17E-71	-0.20488	8.08E-06
1.42E-40	-0.36738	2.27E-16	-0.61493	6.47E-50	-0.65173	8.31E-58	-0.11698	0.01141
2.17E-12	-0.6147	7.20E-50	-0.53039	3.07E-35	-0.57448	2.32E-42	-0.07002	0.13078
3.64E-22	-0.55035	2.48E-38	-0.58865	6.92E-45	-0.62219	2.17E-51	-0.05016	0.27933
1.70E-20	0.342926	2.47E-14	0.260134	1.16E-08	0.387543	3.48E-18	0.281934	5.55E-10
1.10E-28	-0.32404	7.05E-13	-0.43713	3.24E-23	-0.53497	6.24E-36	0.061116	0.18737
3.54E-30	0.361308	7.57E-16	0.49447	3.63E-30	0.497464	1.45E-30	0.123283	0.00765
1.04E-20	-0.50449	1.60E-31	-0.33999	4.23E-14	-0.48998	1.43E-29	-0.17057	0.00021
1.87E-15	-0.32415	6.92E-13	-0.41836	3.27E-21	-0.45539	2.75E-25	-0.14116	0.00223
5.62E-20	-0.52212	5.11E-34	-0.50876	4.11E-32	-0.55839	1.22E-39	-0.18745	4.58E-05
7.30E-09	-0.15772	0.00062	-0.34604	1.39E-14	-0.35081	5.71E-15	-0.20374	9.09E-06
5.43E-69	0.67203	1.19E-62	0.646217	1.48E-56	0.791292	#####	0.318313	1.86E-12
1.55E-32	0.477104	6.40E-28	0.471305	3.37E-27	0.558423	1.21E-39	-0.09083	0.04981

1.71E-29	0.276768	1.17E-09	0.436961	3.39E-23	0.487802	2.74E-29	0.050709	0.27413
1.68E-32	-0.56346	1.76E-40	-0.5093	3.46E-32	-0.6357	3.08E-54	-0.24545	7.77E-08
0.07288	-0.18444	6.08E-05	-0.19312	2.65E-05	-0.20153	1.14E-05	-0.21398	3.07E-06
2.11E-22	-0.4997	7.23E-31	-0.37934	1.98E-17	-0.52179	5.71E-34	-0.18134	8.12E-05
4.24E-29	-0.62468	6.63E-52	-0.58524	2.88E-44	-0.66491	6.55E-61	-0.1917	3.04E-05
2.00E-13	-0.20649	6.83E-06	-0.32954	2.72E-13	-0.36143	7.39E-16	0.083432	0.07166
5.69E-17	-0.58297	7.35E-44	-0.4094	2.67E-20	-0.53093	2.54E-35	-0.03927	0.39713
0.04981	-0.30398	1.93E-11	-0.28219	5.35E-10	-0.26286	8.07E-09	-0.03602	0.43743
5.98E-08	-0.41687	4.66E-21	-0.47266	2.29E-27	-0.46332	3.15E-26	-0.03419	0.46101
4.01E-32	-0.38899	2.55E-18	-0.41274	1.23E-20	-0.52722	9.09E-35	-0.21684	2.25E-06
0.03739	-0.4	2.27E-19	-0.31439	3.58E-12	-0.30416	1.88E-11	-0.15998	0.00052
1.40E-22	-0.33605	8.61E-14	-0.42966	2.11E-22	-0.49947	7.77E-31	-0.02017	0.66374
1.90E-36	-0.40269	1.24E-19	-0.46337	3.11E-26	-0.59958	6.38E-47	-0.12899	0.00524
1.08E-05	-0.21086	4.30E-06	-0.27054	2.82E-09	-0.2715	2.46E-09	-0.00342	0.9412
3.00E-36	-0.45615	2.24E-25	-0.6807	7.69E-65	-0.65383	2.73E-58	-0.22188	1.28E-06
0.00065	-0.5409	7.65E-37	-0.39232	1.24E-18	-0.39334	9.92E-19	-0.13682	0.00305
0.48371	-0.04647	0.31636	-0.15195	0.00099	-0.13939	0.00254	0.148234	0.00132
8.54E-20	-0.36152	7.26E-16	-0.3677	2.13E-16	-0.47755	5.62E-28	-0.3513	5.20E-15
6.38E-22	0.276136	1.28E-09	0.426564	4.51E-22	0.478052	4.86E-28	0.178167	0.00011
8.71E-12	-0.59235	1.44E-45	-0.55272	1.03E-38	-0.60997	6.27E-49	-0.04172	0.3684
2.28E-14	0.334063	1.23E-13	0.319247	1.59E-12	0.395589	6.05E-19	-0.07239	0.11822
6.77E-12	-0.39612	5.38E-19	-0.12613	0.00635	-0.28898	1.96E-10	0.064293	0.16541
1.21E-35	-0.4777	5.38E-28	-0.51295	1.06E-32	-0.59824	1.15E-46	-0.05182	0.26374
3.29E-40	-0.42472	7.07E-22	-0.62672	2.50E-52	-0.66338	1.53E-60	0.023126	0.61815
6.72E-16	-0.43452	6.26E-23	-0.57758	6.66E-43	-0.55716	1.95E-39	-0.0391	0.39921
3.64E-22	0.358139	1.40E-15	0.44738	2.31E-24	0.481506	1.77E-28	0.061174	0.18695
9.89E-31	-0.39215	1.29E-18	-0.46462	2.20E-26	-0.55674	2.29E-39	-0.08497	0.06656
6.84E-11	-0.42351	9.50E-22	-0.49243	6.78E-30	-0.51843	1.75E-33	-0.06626	0.15283
7.06E-17	-0.43853	2.27E-23	-0.35313	3.68E-15	-0.49151	8.95E-30	-0.04733	0.30739
1.07E-06	-0.53013	3.35E-35	-0.34287	2.50E-14	-0.41209	1.43E-20	-0.04498	0.33213
6.57E-21	-0.20601	7.18E-06	-0.41365	9.96E-21	-0.42173	1.46E-21	0.035837	0.43975
0.01641	-0.28056	6.78E-10	-0.16378	0.00038	-0.24018	1.49E-07	0.110659	0.01674
5.68E-14	-0.34193	2.97E-14	-0.40139	1.66E-19	-0.44111	1.18E-23	-0.3284	3.32E-13
3.38E-28	-0.41209	1.43E-20	-0.60147	2.79E-47	-0.63124	2.78E-53	-0.0749	0.10598
1.17E-22	-0.4737	1.70E-27	-0.60584	4.02E-48	-0.61323	1.41E-49	-0.11816	0.0106
3.99E-08	-0.11744	0.01109	-0.27046	2.85E-09	-0.27101	2.64E-09	-0.00443	0.92398
5.32E-16	-0.42622	4.91E-22	-0.61369	1.15E-49	-0.57522	1.72E-42	-0.01898	0.68241
3.61E-17	-0.43862	2.22E-23	-0.5607	5.09E-40	-0.56739	3.84E-41	0.050339	0.27765
5.84E-08	-0.37739	2.96E-17	-0.4053	6.86E-20	-0.41176	1.55E-20	0.065536	0.15737
4.82E-14	-0.39562	6.01E-19	-0.47235	2.50E-27	-0.50237	3.13E-31	-0.19046	3.43E-05
7.49E-25	-0.4778	5.23E-28	-0.44655	2.87E-24	-0.56345	1.77E-40	-0.16136	0.00046
1.21E-35	-0.54078	7.98E-37	-0.61594	4.05E-50	-0.69279	5.07E-68	-0.17939	9.71E-05
2.73E-16	-0.40158	1.59E-19	-0.55357	7.50E-39	-0.5354	5.36E-36	-0.16051	0.0005
7.66E-11	-0.38517	5.78E-18	-0.35478	2.68E-15	-0.44251	8.20E-24	-0.14663	0.00149
3.04E-05	-0.28222	5.33E-10	-0.28682	2.70E-10	-0.32406	7.03E-13	0.063593	0.17007



6.25E-26	0.464251	2.44E-26	0.587895	9.49E-45	0.563648	1.64E-40	0.11302	0.01454
0.00015	-0.01	0.82933	-0.1801	9.09E-05	-0.16501	0.00034	0.071089	0.12501
1.07E-15	-0.45576	2.49E-25	-0.51714	2.69E-33	-0.5416	5.95E-37	-0.22133	1.36E-06
2.87E-13	-0.54009	1.02E-36	-0.52616	1.31E-34	-0.524	2.72E-34	-0.18223	7.48E-05
7.76E-15	-0.47435	1.41E-27	-0.51807	1.97E-33	-0.58463	3.71E-44	-0.07109	0.12501
4.55E-20	-0.37583	4.09E-17	-0.46838	7.70E-27	-0.5078	5.59E-32	0.062042	0.18075
3.77E-15	-0.4925	6.63E-30	-0.52028	9.47E-34	-0.54048	8.90E-37	-0.14836	0.0013
5.10E-27	-0.64027	3.11E-55	-0.58067	1.89E-43	-0.67494	2.23E-63	-0.15367	0.00086
7.74E-20	-0.52753	8.18E-35	-0.65634	7.12E-59	-0.62885	8.92E-53	-0.14264	0.002
2.42E-25	-0.51905	1.43E-33	-0.53892	1.55E-36	-0.58991	4.07E-45	-0.12198	0.00832
6.59E-27	-0.46699	1.14E-26	-0.42532	6.12E-22	-0.56003	6.55E-40	-0.03679	0.42767
2.22E-17	-0.46806	8.42E-27	-0.50867	4.23E-32	-0.55033	2.50E-38	-0.17426	0.00015
3.04E-13	-0.23991	1.54E-07	-0.26283	8.10E-09	-0.35875	1.25E-15	0.010378	0.82302
1.75E-11	-0.5764	1.07E-42	-0.55377	6.96E-39	-0.62231	2.05E-51	-0.16643	0.0003
0.0002	-0.25739	1.68E-08	-0.3029	2.29E-11	-0.27094	2.66E-09	-0.0862	0.06271
8.76E-21	-0.49427	3.87E-30	-0.56323	1.92E-40	-0.5953	4.08E-46	-0.04654	0.31558
7.98E-26	-0.64687	1.06E-56	-0.54828	5.30E-38	-0.65036	1.71E-57	-0.21165	3.95E-06
1.59E-10	-0.38072	1.48E-17	-0.41265	1.26E-20	-0.45507	2.99E-25	-0.14185	0.00212
7.72E-30	0.561815	3.32E-40	0.382564	1.00E-17	0.551333	1.72E-38	0.176917	0.00012
3.82E-25	-0.47421	1.47E-27	-0.55216	1.27E-38	-0.60726	2.12E-48	-0.14717	0.00143
1.27E-30	-0.47462	1.31E-27	-0.49569	2.50E-30	-0.59353	8.72E-46	-0.3012	3.00E-11
7.96E-11	-0.4843	7.79E-29	-0.51762	2.29E-33	-0.52621	1.28E-34	-0.10243	0.02687
7.13E-18	-0.48191	1.57E-28	-0.57319	3.88E-42	-0.58443	4.02E-44	-0.04494	0.33254
4.41E-14	-0.59208	1.62E-45	-0.49508	3.01E-30	-0.56681	4.81E-41	-0.08081	0.08106
4.21E-29	0.553141	8.80E-39	0.188973	3.96E-05	0.464268	2.43E-26	0.281785	5.68E-10
3.66E-25	-0.25499	2.29E-08	-0.32864	3.18E-13	-0.41312	1.13E-20	-0.34164	3.13E-14
2.72E-27	-0.48764	2.88E-29	-0.52382	2.89E-34	-0.62661	2.63E-52	-0.27751	1.05E-09
8.23E-26	-0.54585	1.29E-37	-0.5782	5.17E-43	-0.64299	7.79E-56	-0.27199	2.30E-09
7.06E-21	-0.43807	2.56E-23	-0.54001	1.05E-36	-0.54295	3.66E-37	-0.19229	2.87E-05
3.90E-37	-0.49151	8.95E-30	-0.58335	6.29E-44	-0.67784	4.13E-64	-0.22707	7.09E-07
3.27E-18	-0.43006	1.91E-22	-0.50961	3.13E-32	-0.52463	2.19E-34	-0.11148	0.01595
1.73E-09	-0.34404	2.02E-14	-0.40979	2.44E-20	-0.42149	1.55E-21	0.065823	0.15556
3.78E-23	-0.28673	2.74E-10	-0.37861	2.30E-17	-0.46629	1.38E-26	-0.17242	0.00018
1.83E-30	-0.34767	1.03E-14	-0.40964	2.53E-20	-0.51207	1.41E-32	0.128188	0.00553
2.33E-34	-0.36829	1.90E-16	-0.36481	3.80E-16	-0.55679	2.24E-39	-0.28028	7.06E-10
1.95E-41	0.69612	6.33E-69	0.6391	5.61E-55	0.716864	7.52E-75	0.557554	1.68E-39
1.17E-14	-0.17558	0.00014	-0.28404	4.08E-10	-0.35183	4.70E-15	-0.01934	0.67685
1.21E-26	-0.57723	7.67E-43	-0.43164	1.29E-22	-0.57042	1.17E-41	-0.04679	0.31293
2.67E-23	0.583305	6.41E-44	0.384971	6.03E-18	0.549982	2.83E-38	0.359586	1.06E-15
1.27E-22	0.507648	5.87E-32	0.61465	7.37E-50	0.577215	7.71E-43	0.160642	0.00049
4.36E-08	-0.30496	1.65E-11	-0.27252	2.13E-09	-0.33997	4.24E-14	0.049891	0.28195
3.86E-40	-0.42134	1.60E-21	-0.42724	3.82E-22	-0.56234	2.71E-40	-0.12168	0.00848
6.00E-25	-0.313	4.50E-12	-0.32732	4.01E-13	-0.46199	4.56E-26	-0.33866	5.38E-14
1.46E-22	-0.22842	6.07E-07	-0.29584	6.91E-11	-0.41504	7.18E-21	-0.24771	5.85E-08
0.0005	-0.38023	1.64E-17	-0.30915	8.44E-12	-0.32011	1.38E-12	-0.14955	0.00119

3.71E-15	-0.3369	7.39E-14	-0.40807	3.63E-20	-0.41841	3.23E-21	-0.04571	0.32431
3.15E-26	-0.29265	1.13E-10	-0.36546	3.34E-16	-0.45477	3.25E-25	-0.33022	2.42E-13
4.98E-12	-0.07381	0.11115	-0.31062	6.64E-12	-0.3143	3.63E-12	-0.29881	4.36E-11
1.14E-21	-0.53865	1.71E-36	-0.64388	4.94E-56	-0.6397	4.14E-55	-0.24058	1.42E-07
1.49E-47	-0.48044	2.43E-28	-0.5017	3.87E-31	-0.64438	3.81E-56	-0.19745	1.72E-05
2.01E-12	-0.49753	1.42E-30	-0.45203	6.75E-25	-0.5387	1.68E-36	-0.27694	1.14E-09
2.60E-18	-0.37577	4.14E-17	-0.34989	6.78E-15	-0.47466	1.29E-27	0.034233	0.4605
0.0385	-0.25944	1.28E-08	-0.2596	1.25E-08	-0.26021	1.15E-08	-0.14	0.00243
2.70E-05	-0.37333	6.83E-17	-0.27407	1.72E-09	-0.32012	1.37E-12	-0.24053	1.43E-07
2.08E-15	-0.61386	1.06E-49	-0.58552	2.56E-44	-0.5959	3.15E-46	-0.25004	4.34E-08
9.25E-32	-0.30388	1.96E-11	-0.49382	4.43E-30	-0.55366	7.25E-39	-0.19188	2.99E-05
4.57E-09	-0.55977	7.25E-40	-0.43503	5.52E-23	-0.48518	6.00E-29	-0.1706	0.00021
2.52E-17	-0.46719	1.08E-26	-0.40019	2.18E-19	-0.49655	1.92E-30	0.056873	0.21993
9.38E-09	-0.53131	2.23E-35	-0.41502	7.21E-21	-0.46681	1.20E-26	-0.02667	0.56533
4.00E-25	-0.35836	1.35E-15	-0.61101	3.91E-49	-0.60295	1.45E-47	-0.22754	6.71E-07
1.39E-09	-0.47778	5.26E-28	-0.28319	4.62E-10	-0.38441	6.79E-18	0.04013	0.38691
1.88E-07	-0.31261	4.80E-12	-0.14616	0.00154	-0.29261	1.13E-10	0.131957	0.00428
9.61E-17	-0.56426	1.29E-40	-0.54722	7.81E-38	-0.6	5.32E-47	-0.14299	0.00195
0.06004	-0.15797	0.00061	-0.06032	0.19318	-0.11877	0.0102	0.103823	0.02485
1.74E-07	-0.46096	6.05E-26	-0.30714	1.17E-11	-0.3915	1.48E-18	-0.15546	0.00075
1.09E-12	-0.48679	3.71E-29	-0.40776	3.90E-20	-0.4722	2.61E-27	-0.13105	0.00456
2.43E-20	-0.65325	3.71E-58	-0.58559	2.48E-44	-0.65242	5.76E-58	-0.10844	0.01907
2.19E-11	-0.34758	1.05E-14	-0.36607	2.96E-16	-0.37952	1.90E-17	-0.05568	0.22975
0.00422	-0.32131	1.12E-12	-0.32301	8.41E-13	-0.31481	3.34E-12	0.007267	0.87554
1.13E-16	-0.32688	4.33E-13	-0.42553	5.82E-22	-0.43814	2.51E-23	-0.29046	1.57E-10
5.77E-15	-0.43892	2.06E-23	-0.25005	4.34E-08	-0.41103	1.83E-20	-0.10976	0.01765
9.24E-35	-0.37199	8.99E-17	-0.40362	1.00E-19	-0.54476	1.91E-37	-0.17325	0.00017
4.03E-12	-0.37583	4.09E-17	-0.28287	4.85E-10	-0.41158	1.61E-20	-0.2033	9.51E-06
0.93585	-0.21253	3.60E-06	-0.17647	0.00013	-0.16957	0.00023	-0.09155	0.048
0.00904	-0.24611	7.15E-08	-0.16509	0.00034	-0.19949	1.40E-05	0.120107	0.00938
4.09E-31	0.613259	1.40E-49	0.512079	1.41E-32	0.662233	2.88E-60	0.160562	0.0005
9.79E-12	-0.32985	2.58E-13	-0.32502	5.96E-13	-0.38368	7.93E-18	-0.20062	1.25E-05
0.00424	-0.45392	4.08E-25	-0.36165	7.08E-16	-0.35014	6.47E-15	0.193913	2.45E-05
6.63E-11	-0.30342	2.11E-11	-0.45823	1.27E-25	-0.44538	3.90E-24	-0.04599	0.32137
1.74E-21	-0.43292	9.37E-23	-0.39471	7.34E-19	-0.53031	3.15E-35	-0.08101	0.08031
1.55E-08	-0.50017	6.23E-31	-0.32093	1.20E-12	-0.40266	1.25E-19	-0.27483	1.54E-09
1.40E-21	-0.54367	2.83E-37	-0.40596	5.90E-20	-0.50166	3.91E-31	-0.03445	0.45766
0.07798	-0.33262	1.58E-13	-0.24555	7.68E-08	-0.24204	1.19E-07	-0.03975	0.39148
1.52E-10	-0.50905	3.75E-32	-0.42074	1.85E-21	-0.45003	1.15E-24	-0.08029	0.08306
1.73E-55	-0.41899	2.81E-21	-0.50808	5.10E-32	-0.64771	6.82E-57	-0.36742	2.26E-16
5.14E-08	-0.30303	2.25E-11	-0.25097	3.86E-08	-0.32639	4.71E-13	-0.25861	1.43E-08
9.92E-09	-0.31396	3.84E-12	-0.24124	1.31E-07	-0.33246	1.63E-13	-0.3535	3.43E-15
4.71E-11	-0.16414	0.00037	-0.23484	2.85E-07	-0.29829	4.73E-11	-0.16794	0.00027
2.00E-23	-0.59648	2.45E-46	-0.55534	3.87E-39	-0.61502	6.22E-50	-0.10025	0.03031
0.27315	-0.1819	7.70E-05	-0.13035	0.00478	-0.10131	0.02859	0.115899	0.0122

3.21E-11	-0.40535	6.78E-20	-0.41216	1.41E-20	-0.42581	5.43E-22	-0.26562	5.55E-09
3.63E-05	-0.39979	2.38E-19	-0.41799	3.57E-21	-0.4044	8.41E-20	-0.09691	0.0363
3.81E-15	-0.47633	8.01E-28	-0.4026	1.26E-19	-0.51393	7.71E-33	0.053033	0.25271
3.99E-22	-0.31112	6.12E-12	-0.37895	2.14E-17	-0.48277	1.22E-28	0.039028	0.40009
3.40E-10	-0.53156	2.05E-35	-0.4136	1.01E-20	-0.47675	7.08E-28	-0.34148	3.23E-14
3.60E-14	-0.51522	5.06E-33	-0.5245	2.29E-34	-0.54986	2.96E-38	-0.26076	1.07E-08
5.56E-09	-0.28728	2.53E-10	-0.31192	5.38E-12	-0.38194	1.15E-17	-0.15392	0.00085
4.24E-42	0.504388	1.66E-31	0.481723	1.66E-28	0.616611	2.97E-50	0.148294	0.00131
2.44E-14	-0.53997	1.07E-36	-0.54204	5.09E-37	-0.54654	1.00E-37	-0.02108	0.6496
2.39E-10	-0.23791	1.97E-07	-0.33048	2.31E-13	-0.37256	7.99E-17	-0.148	0.00134
2.38E-09	-0.28687	2.69E-10	-0.43138	1.38E-22	-0.39724	4.20E-19	-0.13495	0.00348
9.08E-20	-0.5164	3.43E-33	-0.40977	2.45E-20	-0.51761	2.30E-33	-0.25966	1.24E-08
1.02E-11	-0.30441	1.81E-11	-0.27913	8.34E-10	-0.36149	7.30E-16	-0.2883	2.17E-10
0.00069	-0.31306	4.46E-12	-0.41707	4.45E-21	-0.34766	1.03E-14	-0.21718	2.16E-06
6.84E-24	-0.61327	1.39E-49	-0.47641	7.83E-28	-0.60276	1.57E-47	-0.19289	2.71E-05
6.40E-26	-0.49365	4.67E-30	-0.53258	1.44E-35	-0.58202	1.09E-43	-0.12641	0.00623
3.55E-09	-0.1286	0.00538	-0.26126	1.00E-08	-0.29124	1.40E-10	-0.27253	2.13E-09
1.43E-33	-0.36532	3.43E-16	-0.5312	2.32E-35	-0.60486	6.20E-48	-0.24992	4.41E-08
3.40E-25	-0.43119	1.44E-22	-0.43055	1.69E-22	-0.52489	2.01E-34	0.012748	0.7835
1.69E-10	-0.5086	4.33E-32	-0.41226	1.38E-20	-0.44651	2.90E-24	-0.21201	3.80E-06
3.05E-12	-0.57924	3.39E-43	-0.42073	1.86E-21	-0.4785	4.27E-28	-0.38249	1.02E-17
0.73015	-0.26254	8.43E-09	-0.13099	0.00458	-0.1318	0.00433	0.154807	0.00079
1.08E-17	-0.20803	5.81E-06	-0.47129	3.39E-27	-0.47773	5.33E-28	-0.29147	1.35E-10
9.75E-06	-0.25731	1.69E-08	-0.22996	5.07E-07	-0.29243	1.16E-10	-0.08465	0.06761
1.85E-12	-0.16903	0.00024	-0.33251	1.62E-13	-0.35955	1.07E-15	-0.04681	0.31274
0.00027	-0.15206	0.00098	-0.15784	0.00062	-0.21928	1.71E-06	0.138794	0.00265
1.11E-29	0.369974	1.35E-16	0.529847	3.70E-35	0.608103	1.45E-48	0.13337	0.00389
1.29E-13	0.54708	8.21E-38	0.462233	4.26E-26	0.554498	5.30E-39	-0.0407	0.38025
3.14E-10	-0.34899	8.03E-15	-0.3376	6.51E-14	-0.38618	4.66E-18	-0.15509	0.00077
4.01E-07	-0.37976	1.81E-17	-0.25178	3.48E-08	-0.34915	7.80E-15	-0.12863	0.00537
1.02E-06	-0.13196	0.00428	-0.23021	4.92E-07	-0.24229	1.15E-07	-0.01562	0.73641
2.26E-11	-0.30383	1.98E-11	-0.43114	1.46E-22	-0.44216	8.97E-24	-0.06251	0.17748
4.98E-32	-0.33337	1.39E-13	-0.42261	1.18E-21	-0.51284	1.10E-32	-0.31749	2.14E-12
2.27E-05	-0.43403	7.09E-23	-0.39082	1.72E-18	-0.39617	5.32E-19	0.008934	0.84731
2.07E-57	0.475803	9.31E-28	0.30891	8.77E-12	0.584814	3.43E-44	0.29326	1.03E-10
7.38E-14	-0.32048	1.29E-12	-0.31454	3.49E-12	-0.39892	2.89E-19	-0.11154	0.01589
4.93E-26	-0.41636	5.26E-21	-0.52794	7.12E-35	-0.58068	1.88E-43	-0.16421	0.00037
2.09E-20	-0.68144	4.97E-65	-0.54172	5.71E-37	-0.62354	1.14E-51	-0.14754	0.00139
1.57E-10	-0.11615	0.01201	-0.28589	3.11E-10	-0.29523	7.59E-11	0.16855	0.00025
2.57E-23	0.486163	4.47E-29	0.383445	8.34E-18	0.487779	2.76E-29	0.223433	1.08E-06
2.64E-26	-0.46422	2.46E-26	-0.47221	2.60E-27	-0.59146	2.11E-45	-0.14544	0.00163
2.37E-16	-0.3938	8.97E-19	-0.43072	1.62E-22	-0.48071	2.24E-28	-0.16644	0.0003
1.27E-16	-0.23041	4.81E-07	-0.29193	1.26E-10	-0.40383	9.58E-20	-0.31987	1.43E-12
1.31E-06	-0.45951	8.99E-26	-0.33565	9.24E-14	-0.36135	7.51E-16	-0.37331	6.85E-17
9.50E-15	-0.53535	5.46E-36	-0.37832	2.44E-17	-0.47447	1.37E-27	-0.17143	0.0002

6.01E-10	-0.38818	3.04E-18	-0.45604	2.31E-25	-0.43926	1.89E-23	-0.19338	2.58E-05
0.0084	-0.36206	6.53E-16	-0.30461	1.75E-11	-0.27276	2.07E-09	0.140627	0.00232
2.04E-07	-0.17977	9.37E-05	-0.35137	5.14E-15	-0.34789	9.87E-15	-0.13827	0.00275
2.92E-10	-0.39297	1.08E-18	-0.32302	8.39E-13	-0.37282	7.58E-17	-0.2235	1.07E-06
0.00017	-0.20665	6.72E-06	-0.26251	8.46E-09	-0.28197	5.53E-10	0.038892	0.40173
5.86E-07	-0.49901	8.96E-31	-0.33859	5.45E-14	-0.40513	7.12E-20	-0.13788	0.00283
6.33E-08	-0.4709	3.78E-27	-0.40462	8.00E-20	-0.44253	8.14E-24	-0.18504	5.75E-05
2.54E-25	-0.55012	2.69E-38	-0.44196	9.45E-24	-0.54729	7.60E-38	-0.06254	0.17727
0.18034	-0.34828	9.18E-15	-0.19845	1.56E-05	-0.19416	2.39E-05	-0.01292	0.78059
3.88E-07	-0.29803	4.92E-11	-0.34336	2.28E-14	-0.34889	8.18E-15	0.053462	0.24889
7.51E-10	-0.33225	1.69E-13	-0.30763	1.08E-11	-0.38856	2.80E-18	-0.03641	0.43242
0.08561	-0.2367	2.28E-07	-0.22728	6.92E-07	-0.18386	6.42E-05	0.114611	0.0132
0.00193	-0.41584	5.94E-21	-0.28678	2.72E-10	-0.31716	2.26E-12	-0.08637	0.0622
0.00017	-0.30536	1.55E-11	-0.23223	3.88E-07	-0.28256	5.07E-10	0.140084	0.00241
2.09E-11	-0.42083	1.81E-21	-0.3086	9.22E-12	-0.39905	2.81E-19	-0.2041	8.76E-06
4.10E-32	-0.49689	1.73E-30	-0.55788	1.48E-39	-0.65604	8.33E-59	-0.10286	0.02623
0.00292	-0.01883	0.68481	-0.08143	0.07874	-0.0898	0.05245	0.222653	1.18E-06
0.30647	-0.14486	0.0017	-0.1023	0.02707	-0.16427	0.00036	0.121183	0.00876
2.33E-07	-0.25678	1.82E-08	-0.33392	1.26E-13	-0.28794	2.29E-10	-0.01026	0.82491
0.00013	-0.28403	4.09E-10	-0.32483	6.16E-13	-0.32653	4.60E-13	-0.07161	0.12224
1.18E-12	-0.3376	6.51E-14	-0.24532	7.90E-08	-0.37809	2.56E-17	-0.23963	1.60E-07
2.69E-28	0.445304	3.97E-24	0.334911	1.05E-13	0.538805	1.61E-36	0.084655	0.06758
5.11E-22	-0.53643	3.73E-36	-0.47967	3.04E-28	-0.54086	7.75E-37	-0.08107	0.08009
6.42E-17	0.184986	5.78E-05	0.341251	3.36E-14	0.329625	2.68E-13	0.128014	0.0056
5.13E-12	-0.58603	2.07E-44	-0.42676	4.30E-22	-0.49341	5.02E-30	-0.30507	1.63E-11
1.34E-05	-0.19921	1.45E-05	-0.08832	0.05649	-0.2176	2.07E-06	-0.13853	0.0027
2.22E-10	-0.43915	1.94E-23	-0.30235	2.50E-11	-0.39825	3.35E-19	-0.39097	1.66E-18
2.02E-07	-0.23062	4.69E-07	-0.34045	3.89E-14	-0.35138	5.13E-15	0.022861	0.62218
1.24E-11	-0.34395	2.05E-14	-0.37092	1.12E-16	-0.43178	1.24E-22	-0.05037	0.27736
1.61E-13	-0.32607	4.98E-13	-0.48962	1.59E-29	-0.44561	3.67E-24	0.165528	0.00033
5.84E-19	-0.51118	1.88E-32	-0.61893	1.01E-50	-0.6233	1.28E-51	-0.2798	7.57E-10
5.04E-25	-0.53706	2.99E-36	-0.59624	2.72E-46	-0.64418	4.23E-56	-0.20445	8.44E-06
5.67E-25	-0.64212	1.21E-55	-0.61618	3.64E-50	-0.66685	2.23E-61	-0.37542	4.45E-17
2.92E-14	-0.60558	4.50E-48	-0.53097	2.51E-35	-0.58846	7.47E-45	-0.09649	0.03713
0.00035	-0.08745	0.05899	-0.19967	1.38E-05	-0.18039	8.85E-05	-0.05808	0.21025
7.29E-05	-0.14658	0.00149	-0.1812	8.22E-05	-0.205	7.98E-06	0.080649	0.08168
0.00015	-0.07044	0.12849	-0.17862	0.0001	-0.18303	6.94E-05	0.006604	0.88682
0.00338	0.018708	0.68677	0.042743	0.35672	0.076335	0.09944	0.190551	3.40E-05
8.63E-13	0.05634	0.22429	0.104901	0.02338	0.21569	2.55E-06	0.044687	0.33525
3.84E-09	0.048309	0.29751	-0.18425	6.19E-05	-0.21098	4.25E-06	-0.21429	2.97E-06
0.01981	0.025698	0.57961	0.01812	0.69612	0.047731	0.30334	0.194672	2.27E-05
0.28032	0.128879	0.00528	0.15859	0.00058	0.076524	0.0986	0.067614	0.14459
0.43807	0.203908	8.94E-06	0.083018	0.07308	0.085991	0.06335	0.08655	0.06164
1.57E-07	-0.1199	0.0095	-0.14579	0.00158	-0.21805	1.97E-06	-0.0553	0.23293
0.00056	-0.10479	0.02354	-0.16192	0.00044	-0.19384	2.47E-05	0.006584	0.88716

0.00322	-0.12124	0.00873	-0.17534	0.00014	-0.19481	2.24E-05	-0.00815	0.86048
0.28368	0.344985	1.69E-14	0.165378	0.00033	0.160264	0.00051	0.176953	0.00012
0.08489	0.154323	0.00082	0.006506	0.88849	0.005345	0.90828	0.185856	5.33E-05
0.56907	-0.06539	0.15828	-0.11551	0.01249	-0.09537	0.03939	0.105676	0.02237
1.14E-05	0.185703	5.40E-05	0.316415	2.56E-12	0.242611	1.11E-07	0.306653	1.26E-11
1.53E-05	0.229025	5.65E-07	0.183713	6.51E-05	0.172943	0.00017	0.296476	6.26E-11
0.00308	-0.11702	0.01138	-0.12757	0.00577	-0.16611	0.00031	0.004462	0.92338
0.82292	0.03662	0.42981	0.048557	0.29504	0.008617	0.85266	-0.0433	0.35049
3.82E-31	0.317292	2.21E-12	0.36732	2.30E-16	0.479418	3.27E-28	0.020178	0.66361
0.3892	0.034972	0.45088	-0.03233	0.48579	-0.02717	0.55803	0.047601	0.30466
3.24E-08	-0.00725	0.8759	-0.10826	0.01927	-0.15473	0.00079	0.006023	0.89672
0.01788	0.069421	0.13413	0.093343	0.04378	0.083647	0.07093	0.207149	6.37E-06
5.29E-05	-0.12152	0.00857	0.07489	0.10602	-0.11185	0.0156	-0.04077	0.37937
0.00668	-0.00137	0.9764	-0.07135	0.12363	-0.06001	0.19546	-0.02484	0.59229
0.02767	0.099108	0.03225	-0.1268	0.00607	-0.0776	0.09392	0.04045	0.38312
7.03E-05	-0.01927	0.67795	-0.21224	3.71E-06	-0.17931	9.78E-05	0.080693	0.08152
1.81E-05	-0.00471	0.91916	-0.09538	0.03936	-0.13915	0.00258	0.133069	0.00397
0.00128	0.012716	0.78403	-0.06391	0.16798	-0.06561	0.15692	0.178397	0.00011
2.12E-06	0.043275	0.35077	-0.06527	0.15906	-0.12042	0.00919	0.184767	5.90E-05
0.91518	0.080972	0.08047	0.028782	0.53496	0.034749	0.45376	0.064059	0.16696
0.00134	0.151036	0.00106	0.141542	0.00217	0.140725	0.0023	0.298107	4.87E-11
0.00089	0.01792	0.69932	-0.06236	0.17856	-0.09404	0.04223	0.141921	0.00211
9.84E-05	-0.20472	8.22E-06	-0.25041	4.15E-08	-0.22642	7.64E-07	-0.15482	0.00079
5.67E-10	0.03327	0.47323	0.092797	0.04504	0.11661	0.01168	0.000459	0.99211
0.12077	0.307545	1.09E-11	0.135261	0.0034	0.115814	0.01226	0.467034	1.12E-26
0.00232	0.061353	0.18565	0.048082	0.29979	-0.04044	0.38321	0.330888	2.15E-13
0.01736	0.084165	0.06919	-0.04674	0.31346	-0.07582	0.10175	0.278653	8.93E-10
0.13796	0.219859	1.61E-06	0.02484	0.59235	0.012659	0.78498	0.194828	2.24E-05
4.36E-12	-0.13902	0.0026	-0.19123	3.19E-05	-0.28379	4.23E-10	0.139868	0.00245
0.01872	0.105606	0.02246	0.02016	0.6639	-0.02573	0.5791	0.190905	3.29E-05
7.68E-14	0.045127	0.33052	-0.32762	3.80E-13	-0.28671	2.75E-10	-0.08348	0.07149
0.04574	-0.00823	0.85927	-0.04846	0.296	-0.07481	0.1064	0.074881	0.10607
0.34312	0.007445	0.87252	-0.02084	0.65322	-0.02548	0.58284	0.127673	0.00573
0.00188	0.278683	8.90E-10	0.183062	6.92E-05	0.229697	5.23E-07	0.259311	1.30E-08
0.16178	0.001891	0.96748	0.002254	0.96126	0.032167	0.48802	0.279573	7.82E-10
0.01021	0.067639	0.14444	0.049045	0.29021	0.093188	0.04414	-0.12926	0.00515
0.71524	0.145954	0.00156	0.203793	9.04E-06	0.117793	0.01085	0.20135	1.16E-05
2.85E-06	0.161836	0.00045	0.251357	3.67E-08	0.204011	8.84E-06	0.269043	3.47E-09
0.05641	0.128889	0.00528	0.019926	0.66757	0.063874	0.16819	0.231097	4.44E-07
1.58E-16	-0.2351	2.76E-07	-0.27049	2.84E-09	-0.36006	9.66E-16	0.200152	1.31E-05
0.25658	0.137369	0.00293	0.100162	0.03045	0.126741	0.0061	0.314667	3.42E-12
1.84E-06	-0.16156	0.00046	-0.14838	0.0013	-0.23125	4.36E-07	0.116516	0.01174
4.44E-09	-0.13474	0.00353	-0.27394	1.75E-09	-0.28771	2.37E-10	0.26084	1.06E-08
0.12192	0.089001	0.05461	-0.05854	0.20665	-0.06279	0.17554	0.054743	0.23771
2.06E-10	0.007784	0.86677	-0.0287	0.53612	-0.1305	0.00473	0.001033	0.98224

1.07E-08	-0.07294	0.11545	-0.14053	0.00233	-0.19988	1.35E-05	0.136154	0.0032
1.16E-05	0.131805	0.00433	-0.06986	0.13168	-0.09872	0.03293	0.226634	7.46E-07
0.31508	0.173299	0.00017	0.03132	0.49956	0.049095	0.28971	0.139867	0.00245
0.69713	0.160396	0.0005	-0.02146	0.64363	0.025829	0.57769	0.288346	2.15E-10
1.91E-11	-0.37574	4.17E-17	-0.31716	2.26E-12	-0.40547	6.60E-20	-0.01771	0.70269
0.02364	0.136274	0.00317	-0.04478	0.33423	-0.04243	0.36022	0.091113	0.04909
0.08826	0.201475	1.15E-05	0.054004	0.24412	-0.00741	0.87319	0.188067	4.32E-05
4.91E-13	-0.14635	0.00152	-0.29033	1.60E-10	-0.34041	3.92E-14	0.175318	0.00014
0.00025	-0.21418	3.01E-06	-0.16536	0.00033	-0.22876	5.83E-07	0.149682	0.00118
0.59945	-0.06447	0.16423	-0.0761	0.10048	-0.05532	0.2328	-0.08834	0.05643
2.94E-08	0.514163	7.14E-33	0.397871	3.65E-19	0.411521	1.64E-20	0.226033	7.99E-07
0.11978	0.043297	0.35052	0.058572	0.20643	0.044707	0.33503	0.14882	0.00126
0.00552	0.088335	0.05645	-0.03979	0.39098	-0.06171	0.18312	0.188022	4.34E-05
0.90132	0.033977	0.46387	0.004145	0.92882	0.026942	0.5614	0.15716	0.00065
1.78E-05	-0.02413	0.60295	-0.14681	0.00147	-0.17906	9.99E-05	0.122719	0.00793
0.00015	-0.07385	0.11099	-0.16282	0.00041	-0.18739	4.60E-05	-0.07279	0.11623
0.22332	0.054651	0.23851	-0.05206	0.26153	-0.02857	0.53793	0.173611	0.00016
0.07079	-0.01031	0.82416	-0.09272	0.04523	-0.08195	0.07687	0.113109	0.01446
0.65798	0.008685	0.85152	0.05319	0.25131	0.029436	0.52572	0.016606	0.7204
0.00013	0.061978	0.18121	-0.0674	0.14587	-0.103	0.02603	0.186516	5.00E-05
0.03259	0.276772	1.17E-09	0.462827	3.62E-26	0.302195	2.57E-11	0.235548	2.62E-07
0.00104	-0.04114	0.37509	-0.1353	0.00339	-0.14959	0.00119	0.042113	0.36387
0.85715	0.147693	0.00137	0.016634	0.71995	0.053489	0.24865	0.38292	9.32E-18
9.24E-06	-0.03132	0.4995	-0.1439	0.00182	-0.14193	0.00211	0.009287	0.84135
1.82E-33	-0.20683	6.59E-06	-0.28307	4.70E-10	-0.42179	1.44E-21	0.00099	0.98298
1.50E-06	0.025509	0.58241	-0.16486	0.00035	-0.16813	0.00026	0.332446	1.63E-13
0.01049	-0.15219	0.00097	-0.24326	1.02E-07	-0.23048	4.77E-07	-0.08949	0.05328
1.01E-06	-0.26143	9.78E-09	-0.14532	0.00164	-0.25775	1.60E-08	-0.18455	6.02E-05
1.07E-09	-0.01631	0.72518	-0.1407	0.00231	-0.19656	1.89E-05	0.306081	1.38E-11
0.68195	0.209696	4.87E-06	0.133792	0.00377	0.068776	0.1378	-0.10338	0.02548
2.47E-16	-0.34126	3.35E-14	-0.25473	2.37E-08	-0.40955	2.59E-20	-0.00964	0.83545
4.07E-06	-0.12995	0.00491	-0.126	0.0064	-0.18844	4.16E-05	0.195908	2.01E-05
0.02067	0.087291	0.05944	-0.03938	0.3959	-0.06372	0.16922	0.312088	5.23E-12
3.87E-06	0.018006	0.69795	-0.14487	0.0017	-0.1665	0.0003	0.080058	0.08395
7.36E-07	0.00096	0.9835	-0.05245	0.25795	-0.12649	0.0062	0.093652	0.04309
0.48167	0.087507	0.05881	-0.01073	0.8171	0.021357	0.64526	0.169217	0.00024
0.20182	0.229665	5.25E-07	0.168341	0.00026	0.16929	0.00024	0.42164	1.49E-21
0.39843	0.131778	0.00434	-0.05595	0.22753	-0.03912	0.39897	-0.09328	0.04392
0.16717	-0.17791	0.00011	0.015628	0.73624	-0.04334	0.35003	0.102223	0.02718
0.00181	0.094089	0.04212	0.207376	6.22E-06	0.160637	0.00049	0.188215	4.26E-05
0.04949	0.013391	0.77287	0.035672	0.44186	0.047714	0.30351	0.032447	0.48425
0.004	-0.01268	0.78458	-0.11545	0.01254	-0.1259	0.00644	0.117688	0.01092
6.47E-21	-0.26208	8.96E-09	-0.27201	2.29E-09	-0.40332	1.07E-19	-0.17536	0.00014
0.10414	0.031256	0.50044	0.07017	0.12998	-0.05142	0.26741	0.022001	0.63533
4.63E-09	-0.13473	0.00353	-0.31398	3.83E-12	-0.30876	8.99E-12	0.073243	0.11395

0.35461	0.058222	0.20916	0.037231	0.42216	0.074333	0.10865	-0.01382	0.76581
0.02398	-0.04757	0.30494	0.037668	0.41673	-0.03685	0.42694	0.13072	0.00466
0.70072	0.233982	3.15E-07	0.080471	0.08236	0.100167	0.03044	0.157005	0.00066
0.11036	0.053798	0.24592	-0.04357	0.34745	-0.03978	0.39101	0.202406	1.04E-05
0.00108	0.202042	1.08E-05	0.166805	0.00029	0.182135	7.54E-05	0.116095	0.01205
0.02709	0.373348	6.81E-17	0.271884	2.34E-09	0.291313	1.38E-10	0.19179	3.02E-05
6.00E-11	0.492301	7.05E-30	0.338551	5.49E-14	0.433277	8.56E-23	0.344403	1.89E-14
0.25309	0.197041	1.80E-05	0.027872	0.54796	0.08536	0.06532	0.323006	8.42E-13
4.40E-07	0.094964	0.04024	0.227592	6.68E-07	0.246927	6.45E-08	-0.04329	0.35055
0.21558	-0.09228	0.04626	-0.08881	0.05512	-0.13298	0.00399	0.262237	8.78E-09
4.27E-21	-0.24934	4.76E-08	-0.40381	9.63E-20	-0.4596	8.76E-26	-0.05096	0.2718
1.57E-09	0.016291	0.72549	-0.1817	7.85E-05	-0.24184	1.22E-07	0.030974	0.50431
0.07347	0.042954	0.35435	-0.0781	0.09185	-0.09049	0.05066	0.136921	0.00303
0.04147	0.024326	0.60003	-0.06663	0.15054	-0.06574	0.15609	0.182058	7.59E-05
0.08202	-0.06855	0.13907	-0.28538	3.35E-10	-0.18944	3.78E-05	0.035844	0.43966
3.16E-13	-0.21444	2.92E-06	-0.22088	1.44E-06	-0.31016	7.16E-12	-0.01676	0.7179
0.05133	0.195534	2.09E-05	0.117209	0.01125	0.124272	0.00717	0.166994	0.00029
0.00258	-0.14761	0.00138	0.062786	0.17557	0.044266	0.33984	0.01406	0.76187
0.00148	-0.04649	0.31606	-0.16053	0.0005	-0.16731	0.00028	0.121542	0.00856
0.00014	-0.04473	0.33474	-0.18197	7.66E-05	-0.16155	0.00046	-0.08084	0.08096
0.00711	0.0445	0.33728	-0.03939	0.39576	-0.07576	0.10202	0.236163	2.43E-07
0.02544	-0.20321	9.60E-06	-0.41035	2.15E-20	-0.30496	1.65E-11	0.140568	0.00233
0.00402	0.020491	0.65872	-0.04578	0.32353	-0.09616	0.03777	0.131593	0.00439
1.56E-09	-0.01205	0.79516	-0.08222	0.07589	-0.16192	0.00044	0.062336	0.17869
0.31997	-0.03787	0.41419	-0.02723	0.55727	-0.0488	0.29258	0.078396	0.0906
0.02056	-0.07729	0.09528	-0.08735	0.05927	-0.1262	0.00632	0.042004	0.3651
0.04754	0.149558	0.00119	0.034619	0.45546	0.008478	0.85501	0.22946	5.38E-07
0.00031	0.313755	3.97E-12	0.210605	4.42E-06	0.256496	1.88E-08	0.298238	4.77E-11
0.26419	0.057683	0.21341	-0.00302	0.94809	-0.04587	0.32263	0.247876	5.72E-08
1.40E-09	0.01156	0.80325	-0.14094	0.00227	-0.20236	1.05E-05	0.111676	0.01576
3.53E-07	-0.05986	0.1966	-0.06544	0.158	-0.16474	0.00035	0.073236	0.11399
0.00022	0.000559	0.99038	0.146956	0.00145	-0.02418	0.60225	-0.05385	0.24546
0.00574	0.054904	0.23633	0.001528	0.97372	-0.06289	0.17487	0.075063	0.10522
0.54984	0.052061	0.26152	0.003297	0.94334	0.023176	0.61738	0.167947	0.00027
0.21767	-0.07694	0.09677	0.149708	0.00118	0.002968	0.949	0.05442	0.24049
6.05E-09	-0.13449	0.00359	-0.26259	8.37E-09	-0.27805	9.74E-10	0.244617	8.62E-08
0.02363	-0.1499	0.00116	-0.09672	0.03667	-0.15319	0.0009	-0.00058	0.99008
0.00012	-0.18336	6.73E-05	-0.14102	0.00225	-0.18092	8.43E-05	0.046046	0.32074
0.15317	0.088942	0.05477	0.173972	0.00016	0.040412	0.38357	0.254381	2.48E-08
0.46594	0.155943	0.00072	-0.07022	0.12972	-0.00094	0.98387	0.116678	0.01163
3.51E-05	0.204199	8.67E-06	0.323299	8.01E-13	0.231584	4.19E-07	0.251987	3.39E-08
0.20344	0.152025	0.00098	0.101459	0.02836	0.087213	0.05967	0.038145	0.41084
0.00219	0.090216	0.05137	-0.04402	0.34251	-0.06256	0.17715	0.193018	2.67E-05
1.34E-07	0.178881	0.0001	0.127432	0.00582	-0.0184	0.69167	0.24166	1.24E-07
1.96E-05	0.021273	0.64657	-0.16523	0.00034	-0.19539	2.12E-05	0.20449	8.41E-06

0.16218	0.193495	2.55E-05	0.040116	0.38708	0.036137	0.43593	0.261045	1.03E-08
1.13E-05	0.321606	1.07E-12	0.233168	3.47E-07	0.276598	1.20E-09	0.27187	2.34E-09
0.6917	0.191152	3.21E-05	0.132997	0.00399	0.107201	0.0205	0.161901	0.00044
0.59575	0.238257	1.89E-07	0.169257	0.00024	0.115319	0.01264	0.245871	7.37E-08
3.82E-07	0.065656	0.15661	-0.1279	0.00564	-0.14828	0.00131	-0.00661	0.88678
0.01031	0.217647	2.06E-06	0.234788	2.86E-07	0.118308	0.0105	0.004802	0.91756
1.73E-09	0.331305	2.00E-13	0.124952	0.00686	0.246812	6.55E-08	0.016661	0.71951
0.00063	0.065135	0.15993	0.117263	0.01121	0.117488	0.01106	0.025038	0.58939
3.12E-14	-0.30397	1.94E-11	-0.26291	8.02E-09	-0.40431	8.59E-20	0.044027	0.34245
0.26853	0.040943	0.37736	-0.01895	0.6829	-0.02976	0.52117	0.113587	0.01405
0.82313	0.081474	0.0786	0.067016	0.14818	0.037666	0.41675	0.113122	0.01445
0.13972	0.151631	0.00101	0.042857	0.35544	0.024723	0.59409	0.194551	2.30E-05
1.22E-12	-0.17411	0.00016	-0.25844	1.46E-08	-0.30977	7.63E-12	0.208662	5.43E-06
0.29411	-0.03207	0.48934	0.099117	0.03224	0.060066	0.19507	0.310001	7.35E-12
0.00805	0.10312	0.02585	-0.00435	0.92531	-0.04878	0.29286	0.178324	0.00011
0.04937	0.174755	0.00015	0.091219	0.04883	0.039255	0.39736	0.203593	9.23E-06
0.19672	0.246111	7.15E-08	0.167048	0.00029	0.161589	0.00046	0.170199	0.00022
0.00118	0.015068	0.74536	-0.08587	0.06372	-0.11063	0.01677	0.140363	0.00236
4.85E-05	0.040311	0.38477	0.061623	0.18372	0.134769	0.00352	-0.07131	0.12382
0.66809	0.159971	0.00052	0.069904	0.13144	0.064554	0.1637	0.083053	0.07296
0.00068	-0.06378	0.16883	-0.04974	0.28339	0.00125	0.97851	0.244447	8.81E-08
0.05987	0.161747	0.00045	0.030224	0.5147	0.024955	0.59064	0.168626	0.00025
0.00721	0.112534	0.01497	0.200217	1.30E-05	0.163015	0.0004	0.141753	0.00214
3.96E-06	0.248195	5.50E-08	0.239185	1.69E-07	0.258475	1.45E-08	0.284975	3.56E-10
0.73607	0.175663	0.00014	0.442332	8.58E-24	0.211383	4.07E-06	0.20358	9.24E-06
0.07437	0.16929	0.00024	0.024221	0.6016	0.025443	0.58339	0.157614	0.00063
2.18E-07	-0.12036	0.00923	-0.34552	1.53E-14	-0.32679	4.40E-13	-0.11462	0.01319
0.29879	0.006825	0.88306	0.022093	0.63392	-0.00146	0.97482	0.052122	0.26096
3.67E-06	0.319437	1.54E-12	0.142278	0.00206	0.204434	8.46E-06	0.424363	7.72E-22
0.79066	0.100397	0.03006	0.03753	0.41844	0.016194	0.72706	0.283575	4.37E-10
0.00582	0.125922	0.00643	0.131814	0.00433	0.148128	0.00133	0.26378	7.13E-09
0.00021	0.02804	0.54555	-0.03101	0.50383	-0.10053	0.02984	0.107289	0.02039
0.02011	0.298586	4.52E-11	0.15835	0.00059	0.185685	5.41E-05	0.228612	5.93E-07
0.0003	0.025223	0.58664	-0.06356	0.17032	-0.08036	0.08279	0.237718	2.01E-07
0.00031	0.026858	0.56262	-0.02531	0.58538	-0.09768	0.03484	0.1244	0.00711
8.71E-08	-0.07099	0.12553	0.01805	0.69723	-0.14827	0.00131	0.269089	3.45E-09
0.00354	0.053821	0.24572	0.061583	0.18401	-0.05788	0.21184	0.2182	1.93E-06
0.26769	0.127213	0.00591	0.048836	0.29227	0.024457	0.59807	0.21474	2.83E-06
0.00173	-0.00089	0.98474	-0.04412	0.34139	-0.07096	0.12572	0.06666	0.15035
7.13E-06	-0.01259	0.78618	-0.14275	0.00199	-0.16029	0.00051	0.093199	0.04411
0.00629	0.068747	0.13796	-0.03783	0.4147	-0.06043	0.19237	0.207983	5.84E-06
9.82E-08	-0.16564	0.00032	-0.12531	0.0067	-0.22806	6.33E-07	0.128671	0.00536
2.38E-10	-0.18144	8.04E-05	-0.2643	6.65E-09	-0.29882	4.36E-11	-0.03597	0.43811
1.35E-05	0.078744	0.08918	0.118672	0.01027	0.166041	0.00031	0.258216	1.50E-08
0.00507	-0.04627	0.31837	-0.08639	0.06213	-0.1228	0.00789	0.03523	0.44754



0.01866	0.282334	5.24E-10	0.281955	5.54E-10	0.201928	1.10E-05	0.334397	1.16E-13
0.27699	0.120368	0.00922	0.282075	5.44E-10	0.122938	0.00782	0.140048	0.00242
0.01598	0.030312	0.51347	-0.06449	0.1641	-0.09809	0.03407	0.235946	2.49E-07
0.00016	0.018582	0.68878	-0.08524	0.06571	-0.09702	0.03609	0.038699	0.40408
7.30E-05	-0.08643	0.062	-0.17562	0.00014	-0.2244	9.64E-07	0.185924	5.29E-05
2.03E-06	-0.17589	0.00013	-0.16585	0.00032	-0.22446	9.57E-07	-0.1626	0.00042
0.08091	0.388784	2.67E-18	0.286063	3.03E-10	0.247952	5.67E-08	0.375535	4.35E-17
0.65614	0.183926	6.38E-05	0.040684	0.38038	0.042615	0.35816	0.271905	2.33E-09
0.08635	0.011496	0.80432	-0.00608	0.89572	-0.05456	0.23932	0.0913	0.04863
0.20305	0.174422	0.00015	0.043595	0.34721	0.030539	0.51031	0.201731	1.12E-05
0.40135	0.195697	2.05E-05	0.044001	0.34273	0.054116	0.24314	0.240647	1.41E-07
0.52543	0.046071	0.32049	0.223877	1.02E-06	0.096591	0.03692	0.094737	0.04072
0.26553	0.076034	0.10078	0.13391	0.00374	0.075772	0.10196	0.187999	4.35E-05
0.01926	0.274823	1.54E-09	0.018178	0.69519	0.001598	0.97253	0.089223	0.054
0.00031	0.038186	0.41034	0.157924	0.00061	0.139032	0.0026	0.223514	1.07E-06
6.66E-05	-0.20146	1.15E-05	-0.05892	0.20375	0.000223	0.99617	-0.09301	0.04453
0.90863	-0.18714	4.72E-05	-0.05625	0.22499	-0.07734	0.09507	0.102366	0.02696
0.20936	0.085528	0.06479	0.0223	0.63075	-0.00062	0.98935	0.143912	0.00182
0.11056	0.203846	8.99E-06	0.107564	0.02007	0.053223	0.25101	0.417172	4.34E-21
0.29513	0.059724	0.19763	0.00359	0.93832	0.000699	0.98798	0.09922	0.03206
0.00299	0.133916	0.00374	0.169786	0.00023	0.154362	0.00082	0.284335	3.91E-10
0.00625	0.438646	2.21E-23	0.258834	1.38E-08	0.271821	2.36E-09	0.463413	3.07E-26
1.91E-24	-0.23032	4.86E-07	-0.30575	1.46E-11	-0.42894	2.52E-22	-0.07432	0.10871
0.02984	0.109351	0.01809	0.041689	0.36872	-0.00842	0.85601	0.2467	6.64E-08
0.04594	0.187904	4.38E-05	-0.0169	0.7156	0.07232	0.11859	0.077045	0.09632
0.00063	0.02148	0.64336	-0.03807	0.41172	-0.10939	0.01805	0.239673	1.59E-07
0.48692	-0.06756	0.14494	-0.01225	0.79183	-0.04108	0.3758	0.140126	0.00241
0.44454	0.190062	3.56E-05	0.073512	0.11263	0.05762	0.21392	0.239171	1.69E-07
0.01844	0.118561	0.01034	-0.01935	0.67657	-0.03781	0.41493	0.116937	0.01144
0.5469	0.362415	6.09E-16	0.404111	8.99E-20	0.237389	2.10E-07	0.105991	0.02197
6.48E-20	-0.18434	6.14E-05	-0.3336	1.33E-13	-0.39861	3.10E-19	-0.06051	0.19178
0.09265	-0.05977	0.1973	-0.03121	0.501	-0.0722	0.11923	0.073009	0.11511
0.01187	0.127453	0.00581	-0.04416	0.34103	-0.04227	0.36213	0.187321	4.64E-05
0.01277	0.087545	0.0587	-0.10608	0.02187	-0.10118	0.02879	0.323217	8.12E-13
0.26702	0.198909	1.49E-05	0.102588	0.02663	0.114906	0.01297	0.301893	2.69E-11
0.0592	0.22662	7.47E-07	0.114797	0.01305	0.037597	0.4176	0.416605	4.96E-21
0.03372	0.100988	0.0291	0.001569	0.97302	-0.03161	0.4956	0.153522	0.00087
0.05201	-0.17026	0.00022	-0.0725	0.11766	-0.13367	0.0038	0.162497	0.00042
0.00129	-0.00418	0.92823	-0.04517	0.33005	-0.0891	0.05434	0.15735	0.00064
6.10E-21	-0.2704	2.87E-09	-0.30468	1.73E-11	-0.40183	1.50E-19	0.081204	0.0796
0.03072	0.135777	0.00328	0.137905	0.00282	0.131629	0.00438	0.181103	8.29E-05
0.35066	0.114884	0.01298	0.218943	1.78E-06	0.14348	0.00188	0.233449	3.36E-07
2.68E-07	0.230525	4.75E-07	0.251972	3.39E-08	0.253468	2.80E-08	0.333986	1.24E-13
0.00082	0.135597	0.00332	0.111192	0.01622	-0.01202	0.79553	0.266536	4.90E-09
0.0116	0.089377	0.05359	-0.01964	0.67213	-0.03717	0.42297	0.149743	0.00117

2.07E-07	0.065842	0.15544	-0.10319	0.02576	-0.14093	0.00227	0.097188	0.03577
0.00074	-0.00971	0.8343	-0.03799	0.41274	-0.11671	0.0116	0.18089	8.46E-05
8.78E-13	-0.0796	0.08575	-0.17874	0.0001	-0.27492	1.52E-09	0.129421	0.00509
1.24E-07	-0.16244	0.00042	-0.158	0.00061	-0.22906	5.63E-07	-0.02732	0.55595
3.46E-10	0.285871	3.11E-10	0.437988	2.61E-23	0.369956	1.36E-16	0.399316	2.65E-19
6.15E-06	0.024454	0.59811	0.066533	0.15114	-0.09842	0.03347	0.107654	0.01997
1.04E-08	-0.22894	5.71E-07	-0.19663	1.87E-05	-0.28314	4.66E-10	0.110698	0.0167
0.07578	0.090699	0.05014	0.020259	0.66235	-0.02842	0.54018	0.268366	3.81E-09
0.28576	0.097639	0.03491	0.066968	0.14847	0.022669	0.6251	0.206599	6.75E-06
7.99E-13	-0.23971	1.58E-07	-0.25937	1.29E-08	-0.34557	1.52E-14	0.01554	0.73767
0.68518	0.180565	8.71E-05	0.022085	0.63405	0.047766	0.30299	0.301958	2.66E-11
0.94722	0.251257	3.72E-08	0.108891	0.01858	0.105691	0.02236	0.271514	2.46E-09
0.17287	0.268577	3.70E-09	0.266442	4.96E-09	0.230234	4.91E-07	0.247329	6.13E-08
0.0015	0.09766	0.03487	-0.04933	0.28744	-0.05734	0.21611	0.162876	0.00041
0.00012	-0.0333	0.47281	-0.08483	0.06702	-0.13034	0.00479	0.188781	4.03E-05
0.11936	-0.16968	0.00023	-0.05511	0.23457	-0.12629	0.00628	0.031115	0.50238
0.53837	0.124978	0.00685	0.132546	0.00411	0.088592	0.05573	0.055158	0.23417
0.3531	0.074217	0.10921	0.001699	0.97079	-0.00874	0.85053	-0.03662	0.42988
0.63577	0.208146	5.74E-06	0.161583	0.00046	0.140177	0.0024	0.206507	6.82E-06
6.29E-08	-0.1159	0.0122	-0.18438	6.12E-05	-0.22249	1.20E-06	-0.08144	0.07871
0.137	-0.00363	0.93765	-0.02374	0.60888	0.010181	0.82631	0.168257	0.00026
0.00681	0.167853	0.00027	-0.06001	0.19547	0.064014	0.16726	0.460176	7.49E-26
1.47E-05	-0.18313	6.87E-05	-0.25776	1.59E-08	-0.25211	3.33E-08	-0.12293	0.00783
0.37578	0.260655	1.09E-08	0.153923	0.00085	0.092986	0.0446	0.235847	2.52E-07
0.00102	-0.00149	0.97443	-0.03262	0.48187	-0.07532	0.10402	0.08014	0.08363
0.01442	0.019876	0.66836	-0.05011	0.27981	-0.07048	0.12831	0.043171	0.35192
0.00255	0.007435	0.87269	-0.03475	0.45372	-0.05082	0.27306	0.356694	1.86E-15
0.72746	0.089005	0.0546	0.05112	0.27026	0.057967	0.21116	0.295478	7.31E-11
6.45E-07	0.417096	4.42E-21	0.28252	5.10E-10	0.335956	8.75E-14	0.482951	1.16E-28
0.00096	0.032895	0.47822	0.030667	0.50854	-0.07516	0.10477	0.186402	5.06E-05
0.17737	0.214976	2.76E-06	0.17709	0.00012	0.146006	0.00156	0.246641	6.69E-08
0.42637	0.135592	0.00333	0.006242	0.89299	0.024626	0.59554	0.223967	1.01E-06
2.70E-15	-0.01414	0.76053	0.230692	4.65E-07	0.278526	9.10E-10	-0.03961	0.39308
0.65594	0.086589	0.06153	-0.046	0.32128	0.033017	0.47659	0.187209	4.68E-05
0.00212	0.094608	0.04099	-0.05401	0.24409	-0.07646	0.09888	0.131189	0.00452
0.04534	0.164751	0.00035	-0.01487	0.74866	-0.00744	0.87266	0.217506	2.09E-06
0.50758	0.158634	0.00058	-0.12672	0.0061	-0.04546	0.32692	0.23399	3.15E-07
4.43E-17	-0.24868	5.17E-08	-0.42412	8.19E-22	-0.43238	1.07E-22	-0.17114	0.0002
0.0047	0.378052	2.58E-17	-0.02437	0.59938	0.009598	0.83612	0.173497	0.00016
1.84E-07	-0.0845	0.06808	-0.15042	0.00111	-0.24362	9.76E-08	-0.03914	0.39876
0.7174	0.115881	0.01221	0.051516	0.26656	0.023172	0.61744	0.165336	0.00033
0.09566	-0.01873	0.68645	-0.06027	0.19356	-0.10407	0.0245	0.598281	1.12E-46
0.00108	0.07279	0.11621	-0.03395	0.46428	-0.02873	0.53576	0.016558	0.72117
0.30536	0.175569	0.00014	0.108509	0.019	0.074408	0.1083	0.219116	1.75E-06
0.43751	0.099891	0.03091	0.087761	0.05808	0.100289	0.03024	0.000895	0.98461

0.17889	-0.16724	0.00028	-0.10906	0.0184	-0.11367	0.01398	-0.09854	0.03325
0.0423	-0.24214	1.17E-07	-0.13198	0.00428	-0.19706	1.79E-05	-0.09037	0.05098
0.00095	-0.06015	0.19442	-0.09405	0.04221	-0.16287	0.00041	0.055325	0.23275
2.74E-12	-0.22687	7.25E-07	-0.11803	0.01069	-0.27155	2.45E-09	-8.90E-05	0.99847
5.82E-06	0.077122	0.09598	0.129862	0.00494	0.172243	0.00018	0.004037	0.93067
2.17E-12	0.005876	0.89922	-0.10528	0.02289	-0.18411	6.27E-05	0.180006	9.17E-05
0.15784	-0.06851	0.13932	-0.10016	0.03045	-0.11333	0.01427	0.046484	0.31616
0.00048	0.007607	0.86976	0.125474	0.00663	-0.04766	0.30402	0.107686	0.01993
9.82E-05	-0.03075	0.50744	-0.11152	0.01591	-0.13889	0.00263	0.230263	4.89E-07
2.77E-08	-0.02407	0.60394	0.146095	0.00155	-0.09347	0.0435	-0.0104	0.82271
3.44E-05	0.017317	0.70896	-0.09188	0.04721	-0.14984	0.00116	0.20416	8.71E-06
0.54161	0.181568	7.95E-05	0.131896	0.0043	0.072812	0.1161	0.312125	5.20E-12
0.07376	0.103469	0.02535	-0.06259	0.17694	-0.03738	0.42032	0.192872	2.71E-05
0.06043	0.080422	0.08255	-0.04771	0.30356	-0.05975	0.19743	0.16097	0.00048
0.01491	0.09975	0.03114	0.034416	0.45811	-0.02988	0.51949	0.243189	1.03E-07
4.04E-10	-0.25628	1.94E-08	-0.24051	1.43E-07	-0.31268	4.75E-12	0.0913	0.04863
0.01208	0.093212	0.04408	-0.01327	0.77491	-0.04812	0.29939	0.236881	2.23E-07
7.99E-12	-0.05982	0.19688	-0.209	5.25E-06	-0.274	1.73E-09	-0.01905	0.68143
0.00364	0.038217	0.40996	-0.11713	0.01131	-0.11219	0.01528	0.179149	9.92E-05
4.97E-15	-0.1919	2.98E-05	-0.23502	2.79E-07	-0.33872	5.32E-14	0.090558	0.0505
3.38E-06	-0.09294	0.0447	-0.12215	0.00823	-0.20626	7.00E-06	0.137966	0.00281
0.12641	0.153427	0.00088	0.01427	0.75842	0.011454	0.80501	0.180821	8.51E-05
0.46093	0.20011	1.32E-05	0.052355	0.25883	0.060168	0.19431	0.217007	2.21E-06
2.15E-05	-0.21994	1.59E-06	-0.26336	7.55E-09	-0.26208	8.96E-09	0.20401	8.84E-06
0.46508	0.181863	7.73E-05	0.094586	0.04104	0.077677	0.09361	-0.02229	0.63093
0.1281	0.111405	0.01602	-0.01159	0.80278	-0.00769	0.86831	0.161	0.00048
0.25676	0.231981	4.00E-07	0.192066	2.94E-05	0.18348	6.65E-05	0.187156	4.71E-05
0.80987	0.091887	0.04719	0.03678	0.4278	0.062145	0.18003	0.137843	0.00283
1.58E-10	-0.12595	0.00642	-0.26213	8.91E-09	-0.28771	2.37E-10	-0.18443	6.09E-05
0.01962	0.166685	0.0003	-0.09965	0.03132	0.072481	0.11777	0.122196	0.00821
0.42938	0.034906	0.45173	-0.08021	0.08338	-0.05616	0.2258	0.324013	7.09E-13
0.7424	0.044382	0.33856	0.031338	0.49932	0.010816	0.81568	0.082094	0.07634
0.41414	0.313516	4.13E-12	0.046539	0.31559	0.114845	0.01301	0.425731	5.53E-22
0.58192	-0.06743	0.14566	-0.07672	0.09773	-0.06348	0.17084	0.102098	0.02737
2.33E-06	-0.17248	0.00018	-0.19084	3.31E-05	-0.22821	6.22E-07	0.037269	0.42168
0.88276	-0.04828	0.29783	0.064635	0.16317	-0.01034	0.82364	0.216643	2.30E-06
9.12E-12	-0.23577	2.55E-07	-0.21339	3.27E-06	-0.32914	2.92E-13	0.080198	0.08341
0.57116	0.075086	0.10511	-0.03496	0.45104	-0.00204	0.96495	0.165421	0.00033
0.00077	-0.23712	2.16E-07	-0.29761	5.25E-11	-0.29445	8.56E-11	0.379247	2.01E-17
6.24E-11	-0.02939	0.52635	-0.10253	0.02672	-0.21422	2.99E-06	-0.13628	0.00317
0.00985	0.129793	0.00497	-0.07851	0.09013	-0.05992	0.19616	0.185221	5.65E-05
3.09E-06	0.221138	1.39E-06	0.203814	9.02E-06	0.232751	3.65E-07	0.040174	0.38639
0.01876	0.04833	0.2973	0.04421	0.34045	-0.015	0.74645	0.15065	0.00109
1.27E-08	-0.22356	1.06E-06	-0.28422	3.97E-10	-0.31668	2.45E-12	0.080811	0.08107
0.00135	-0.19883	1.50E-05	-0.22558	8.42E-07	-0.25725	1.71E-08	0.064413	0.16462

0.29271	-0.14998	0.00115	-0.14867	0.00127	-0.17061	0.00021	0.089638	0.05289
0.0002	-0.14269	0.00199	-0.15714	0.00065	-0.20041	1.28E-05	-0.11602	0.01211
0.00972	-0.01263	0.78551	-0.01761	0.70426	-0.06149	0.18468	-0.08571	0.06422
0.97438	0.094573	0.04107	-0.07757	0.09406	-0.02335	0.61482	0.372996	7.31E-17
0.32374	0.27703	1.13E-09	-0.01173	0.80042	0.113919	0.01377	0.387212	3.74E-18
5.82E-08	-0.08478	0.06719	-0.22329	1.09E-06	-0.24204	1.19E-07	-0.14505	0.00167
7.73E-07	-0.07657	0.09841	-0.16432	0.00036	-0.23112	4.43E-07	0.088669	0.05552
0.00073	0.079405	0.08652	-0.07438	0.10843	-0.08195	0.07685	0.054848	0.23681
0.0262	-0.11548	0.01252	-0.08449	0.0681	-0.12608	0.00637	-0.05993	0.19612
0.59151	0.114286	0.01346	0.156705	0.00068	0.070519	0.12807	-0.15158	0.00102
7.53E-10	0.606639	2.81E-48	0.460366	7.11E-26	0.47203	2.74E-27	0.33688	7.42E-14
0.01235	0.159486	0.00054	0.280483	6.86E-10	0.158089	0.00061	0.148675	0.00127
0.00196	0.036866	0.42673	-0.01802	0.69772	-0.03033	0.5132	0.114186	0.01355
0.01026	0.296968	5.81E-11	0.006374	0.89073	0.123592	0.0075	0.264745	6.25E-09
0.00178	-0.01188	0.79793	-0.07597	0.10108	-0.1007	0.02957	0.128026	0.00559
0.33973	-0.09554	0.03904	0.023137	0.61798	-0.01969	0.67123	0.171905	0.00019
0.01613	-0.1137	0.01395	-0.14048	0.00234	-0.15568	0.00074	-0.00823	0.85918
3.31E-06	-0.12187	0.00838	-0.19769	1.68E-05	-0.22922	5.53E-07	0.141569	0.00217
0.80663	0.064886	0.16154	0.022652	0.62536	0.060367	0.19284	0.026387	0.56949
0.361	0.195883	2.02E-05	0.087364	0.05923	0.105039	0.0232	-0.02091	0.65227
4.68E-05	-0.3261	4.95E-13	-0.29162	1.32E-10	-0.35285	3.87E-15	0.065221	0.15938
0.17605	-0.07583	0.1017	-0.01933	0.67699	-0.06125	0.18638	0.050511	0.27601
0.0126	-0.00351	0.93974	-0.03438	0.45852	-0.06325	0.17241	0.04189	0.36641
0.68805	0.103703	0.02502	0.009236	0.84222	0.031333	0.49937	0.074393	0.10837
8.73E-15	0.466657	1.25E-26	0.274663	1.58E-09	0.389912	2.09E-18	0.18591	5.30E-05
3.25E-11	-0.0639	0.16799	-0.25722	1.71E-08	-0.27026	2.93E-09	-0.02639	0.56948
0.00198	0.342141	2.86E-14	0.16416	0.00037	0.198398	1.57E-05	0.416236	5.41E-21
0.00105	0.076356	0.09934	-0.01022	0.82559	-0.06465	0.16309	0.226385	7.68E-07
0.74412	-0.05304	0.25261	-0.05676	0.22085	-0.06299	0.17415	0.311032	6.21E-12
0.35008	0.145522	0.00162	0.149585	0.00119	0.113678	0.01397	0.367077	2.42E-16
5.86E-10	-0.09006	0.05178	-0.1969	1.82E-05	-0.24208	1.18E-07	0.139222	0.00257
2.49E-05	-9.29E-06	0.99984	-0.11711	0.01132	-0.1183	0.01051	0.268148	3.92E-09
0.00033	-0.07722	0.09554	-0.17596	0.00013	-0.16726	0.00028	0.283505	4.41E-10
6.53E-05	-0.06474	0.16246	-0.19315	2.64E-05	-0.18534	5.59E-05	0.168589	0.00025
6.35E-09	-0.20276	1.01E-05	-0.18756	4.53E-05	-0.25712	1.73E-08	0.154717	0.00079
5.20E-08	-0.17149	0.0002	-0.18082	8.51E-05	-0.27584	1.34E-09	0.12105	0.00883
1.54E-07	-0.09402	0.04227	-0.14264	0.002	-0.22353	1.06E-06	-0.02156	0.64217
0.00992	-0.15514	0.00077	-0.05943	0.19983	-0.11425	0.01349	0.030106	0.51634
0.48702	0.009572	0.83655	-0.02411	0.60323	-0.03345	0.47081	0.173081	0.00017
0.1004	0.323427	7.83E-13	0.279241	8.21E-10	0.266566	4.88E-09	0.378642	2.28E-17
0.26151	0.063363	0.17163	-0.07746	0.09454	-0.07311	0.1146	0.203265	9.55E-06
0.06994	-0.04838	0.2968	-0.11402	0.01368	-0.13002	0.00489	0.026077	0.57403
0.37506	0.361865	6.79E-16	-0.02245	0.62842	0.102932	0.02613	0.128543	0.0054
7.16E-11	-0.19183	3.00E-05	-0.25318	2.90E-08	-0.305	1.65E-11	0.124579	0.00703
0.6407	-0.18614	5.18E-05	-0.038	0.41266	-0.06595	0.15477	0.299049	4.20E-11

7.66E-07	-0.09337	0.04373	-0.21607	2.45E-06	-0.23598	2.48E-07	0.108314	0.01922
7.32E-07	-0.10948	0.01795	-0.12391	0.00734	-0.18011	9.08E-05	0.054437	0.24035
0.01368	0.417328	4.18E-21	0.253262	2.87E-08	0.26965	3.19E-09	0.263814	7.09E-09
0.00228	0.125951	0.00642	-0.21453	2.90E-06	-0.1505	0.00111	0.079413	0.08648
0.0111	0.246924	6.46E-08	0.195283	2.14E-05	0.211932	3.83E-06	0.322974	8.46E-13
0.00497	0.500846	5.05E-31	0.328358	3.35E-13	0.329328	2.83E-13	0.357414	1.62E-15
0.01408	-0.1702	0.00022	-0.10148	0.02832	-0.15118	0.00105	0.072512	0.11762
0.00753	0.261828	9.28E-09	0.135702	0.0033	0.184882	5.84E-05	0.232068	3.96E-07
0.06869	0.101559	0.0282	-0.02191	0.63666	-0.03259	0.48235	0.164512	0.00036
0.11605	0.097411	0.03534	-0.11611	0.01204	-0.04399	0.34283	0.166556	0.0003
0.04046	0.173081	0.00017	0.018846	0.6846	-0.00086	0.98519	0.206154	7.07E-06
0.11215	0.241636	1.25E-07	0.203619	9.21E-06	0.180587	8.70E-05	0.330234	2.41E-13
0.00027	0.015678	0.73543	-0.11898	0.01007	-0.13494	0.00348	0.160043	0.00052
1.25E-08	-0.09624	0.03762	-0.20975	4.84E-06	-0.25295	2.99E-08	0.211836	3.87E-06
6.69E-05	0.020905	0.65228	-0.05078	0.27343	-0.11362	0.01402	0.137038	0.003
0.41577	0.031067	0.50303	-0.03523	0.44756	-0.03376	0.4667	0.16611	0.00031
0.0071	0.03858	0.40552	-0.12137	0.00865	-0.11025	0.01716	0.233758	3.24E-07
9.44E-07	-0.10128	0.02864	-0.2037	9.13E-06	-0.23927	1.67E-07	0.235876	2.51E-07
3.51E-07	-0.08746	0.05895	-0.15101	0.00106	-0.2103	4.57E-06	0.160799	0.00049
5.59E-12	-0.23728	2.12E-07	-0.29967	3.81E-11	-0.3469	1.19E-14	0.136532	0.00311
0.0005	0.076448	0.09893	-0.12002	0.00943	-0.12056	0.00911	0.198457	1.56E-05
0.02547	0.110471	0.01693	-0.0073	0.8749	-0.02073	0.65497	0.200941	1.21E-05
0.03239	0.111932	0.01552	-0.02568	0.57981	-0.02252	0.62735	0.162902	0.00041
0.04483	-0.01965	0.67187	-0.11134	0.01608	-0.119	0.01006	0.264784	6.22E-09
0.33068	0.139259	0.00256	0.076334	0.09944	0.037902	0.41383	0.356933	1.77E-15
3.98E-12	-0.12741	0.00583	-0.18883	4.01E-05	-0.25227	3.26E-08	0.139984	0.00243
2.60E-13	-0.17821	0.00011	-0.29644	6.30E-11	-0.35515	2.50E-15	0.071543	0.12262
1.14E-05	0.371485	9.95E-17	0.208919	5.29E-06	0.228971	5.69E-07	0.425284	6.17E-22
0.09392	0.129627	0.00502	0.152457	0.00095	0.12794	0.00563	0.252052	3.36E-08
0.14973	0.061047	0.18786	0.107456	0.0202	0.090317	0.05111	0.001849	0.96821
4.97E-09	0.508287	4.78E-32	0.48184	1.61E-28	0.442643	7.92E-24	0.314952	3.26E-12
0.58837	-0.09329	0.04389	-0.03259	0.48237	-0.04756	0.30504	0.040315	0.38472
0.1092	0.116731	0.01159	0.032032	0.48986	-0.00013	0.9977	0.226817	7.30E-07
0.50823	0.177283	0.00012	0.031735	0.49389	0.036951	0.42565	0.262895	8.03E-09
0.52739	0.127992	0.00561	0.073689	0.11176	0.07399	0.1103	0.07279	0.11621
1.75E-07	-0.03389	0.46501	-0.13647	0.00313	-0.18821	4.26E-05	0.133322	0.0039
0.41134	0.035296	0.44668	-0.1061	0.02184	-0.06834	0.14034	0.248416	5.35E-08
0.68343	-0.02299	0.62019	-0.12008	0.0094	-0.06411	0.16664	0.182931	7.00E-05
0.26793	-0.01095	0.81347	-0.10482	0.02349	-0.0882	0.05683	0.164604	0.00035
0.39435	0.02603	0.57472	-0.07868	0.08944	0.009888	0.83124	0.187961	4.36E-05
0.63651	0.187091	4.74E-05	0.035397	0.44539	0.094741	0.04071	0.302172	2.58E-11
0.11451	-0.00775	0.86733	-0.16533	0.00033	-0.12376	0.00742	0.215707	2.55E-06
2.39E-21	-0.25542	2.17E-08	-0.37688	3.29E-17	-0.44131	1.12E-23	-0.1155	0.0125
7.04E-06	-0.20098	1.21E-05	-0.23968	1.59E-07	-0.23219	3.90E-07	-0.0202	0.66327
0.04947	0.081458	0.07866	0.048384	0.29677	-0.01775	0.70206	0.167854	0.00027

0.2226	0.01442	0.75595	0.070524	0.12805	-0.01856	0.6892	0.225225	8.77E-07
3.62E-24	-0.38891	2.60E-18	-0.51915	1.38E-33	-0.53914	1.43E-36	-0.1709	0.00021
7.03E-20	-0.26937	3.31E-09	-0.18819	4.27E-05	-0.39292	1.09E-18	0.000345	0.99407
7.74E-06	0.320783	1.23E-12	0.45703	1.76E-25	0.365332	3.42E-16	0.128037	0.00559
0.00028	0.120624	0.00907	-0.00169	0.97093	-0.06142	0.18519	0.154444	0.00081
0.00027	0.454056	3.93E-25	0.413313	1.08E-20	0.378895	2.17E-17	0.430886	1.55E-22
4.87E-08	-0.3034	2.12E-11	-0.28855	2.09E-10	-0.35429	2.94E-15	0.022412	0.62903
0.00043	0.068712	0.13816	0.13311	0.00396	-0.01832	0.69292	0.1781	0.00011
0.0073	-0.21304	3.40E-06	-0.23609	2.45E-07	-0.25032	4.19E-08	0.147178	0.00143
1.11E-08	-0.08809	0.05714	-0.2095	4.97E-06	-0.23437	3.01E-07	-0.13291	0.00401
6.51E-15	-0.15348	0.00088	-0.24518	8.03E-08	-0.33392	1.26E-13	-0.00033	0.99425
0.02794	0.25184	3.45E-08	0.049343	0.28729	0.174174	0.00016	0.098876	0.03266
0.53001	0.029714	0.52181	0.103186	0.02576	-0.00651	0.88842	0.106356	0.02152
0.25882	0.137294	0.00295	0.15448	0.00081	0.059623	0.19839	-0.14318	0.00192
1.18E-07	-0.12971	0.00499	-0.20019	1.31E-05	-0.25908	1.34E-08	0.065246	0.15922
0.00535	0.213883	3.11E-06	0.037368	0.42045	0.112598	0.01491	0.185357	5.58E-05
0.00013	0.021165	0.64824	-0.10714	0.02057	-0.13612	0.0032	0.045862	0.32269
1.83E-05	-0.01787	0.70003	-0.03613	0.43596	-0.13519	0.00342	0.157024	0.00066
0.04352	0.085088	0.06618	0.121102	0.0088	0.016324	0.72495	0.262318	8.68E-09
0.45522	0.105555	0.02253	0.000726	0.98751	0.002228	0.9617	0.234391	3.00E-07
0.00027	-0.09862	0.03312	-0.07212	0.11961	-0.1577	0.00063	0.144794	0.00171
2.55E-09	-0.07274	0.11648	-0.2224	1.21E-06	-0.25359	2.75E-08	0.129881	0.00494
0.00277	-0.01387	0.76499	-0.07158	0.1224	-0.12405	0.00727	0.160391	0.0005
3.63E-05	-0.05826	0.20883	-0.09353	0.04337	-0.16392	0.00038	0.108084	0.01948
1.11E-07	-0.22556	8.44E-07	-0.22706	7.10E-07	-0.27925	8.20E-10	0.131458	0.00443
0.63396	0.137001	0.00301	0.085562	0.06468	0.074088	0.10983	0.404181	8.85E-20
0.03589	0.028362	0.54095	0.203841	9.00E-06	0.104021	0.02458	0.088364	0.05637
0.04797	0.187388	4.61E-05	0.182312	7.42E-05	0.13703	0.003	0.220337	1.52E-06
2.33E-07	-0.13815	0.00277	-0.19729	1.75E-05	-0.23759	2.05E-07	-0.11375	0.01391
0.12351	0.162287	0.00043	0.048594	0.29467	0.025455	0.58321	0.175218	0.00014
0.18951	0.522139	5.08E-34	0.364957	3.69E-16	0.298669	4.46E-11	0.051773	0.26417
0.00178	0.078344	0.09082	-0.01963	0.67216	-0.0691	0.13594	0.205428	7.63E-06
0.00173	0.032987	0.477	-0.15506	0.00077	-0.13151	0.00442	0.201628	1.13E-05
0.02121	-0.1557	0.00073	-0.11404	0.01367	-0.17951	9.60E-05	0.507239	6.69E-32
2.10E-05	-0.04811	0.29947	-0.13998	0.00243	-0.16156	0.00046	0.112383	0.01511
0.0024	-0.116	0.01212	-0.22334	1.09E-06	-0.22172	1.31E-06	-0.01677	0.71774
0.00826	0.126199	0.00632	0.164169	0.00037	0.037116	0.42359	0.19417	2.39E-05
1.90E-07	0.069634	0.13294	-0.15775	0.00062	-0.16768	0.00027	0.19103	3.25E-05
0.00031	-0.00902	0.84592	0.15799	0.00061	0.129585	0.00504	0.25448	2.45E-08
0.30177	0.164518	0.00036	0.154848	0.00079	0.134365	0.00363	0.072653	0.1169
0.97408	-0.2729	2.03E-09	-0.10174	0.02792	-0.12158	0.00853	0.266618	4.84E-09
5.80E-06	0.15989	0.00052	0.174066	0.00016	0.174447	0.00015	0.137616	0.00288
0.18567	-0.0527	0.25574	-0.11526	0.01269	-0.11193	0.01552	-0.05163	0.26551
0.08467	0.199534	1.40E-05	0.134573	0.00357	0.147991	0.00134	0.408581	3.23E-20
0.19501	0.063096	0.17345	-0.08586	0.06374	0.033767	0.46663	-0.09531	0.03951

0.16934	-0.00236	0.95936	0.220481	1.50E-06	0.170763	0.00021	0.184611	5.99E-05
0.00013	-0.19938	1.42E-05	-0.03349	0.47026	-0.1852	5.66E-05	0.171554	0.0002
0.76644	0.090715	0.05009	-0.01864	0.68787	0.013447	0.77196	-0.18422	6.21E-05
0.01349	0.083804	0.0704	-0.25495	2.31E-08	-0.16781	0.00027	0.133266	0.00391
3.26E-05	0.001985	0.96588	0.238974	1.73E-07	-0.00378	0.93499	-0.1085	0.019
0.00217	-0.07559	0.1028	-0.0367	0.42881	-0.0933	0.04387	0.310956	6.29E-12
0.00371	0.220361	1.52E-06	0.042433	0.36022	0.03776	0.41559	0.150272	0.00113
1.99E-10	-0.06707	0.14786	-0.16694	0.00029	-0.20576	7.37E-06	-0.11136	0.01606
1.59E-05	-0.03507	0.44958	-0.0759	0.10138	-0.16312	0.0004	0.132912	0.00401
0.01122	-0.0663	0.15255	-0.13266	0.00408	-0.13642	0.00314	0.057171	0.21751
1.69E-05	0.027085	0.55932	-0.09999	0.03075	-0.14188	0.00212	0.166999	0.00029
0.1628	0.09924	0.03202	-0.14228	0.00205	-0.09471	0.04077	0.086024	0.06325
7.38E-11	-0.19831	1.58E-05	-0.37386	6.13E-17	-0.38748	3.53E-18	-0.16548	0.00033
0.83052	0.0175	0.70604	-0.07328	0.11375	-0.02999	0.51789	0.069116	0.13586
0.04307	0.16208	0.00044	0.039994	0.38852	0.013889	0.76467	0.228716	5.86E-07
0.64051	0.178347	0.00011	0.117621	0.01096	0.117269	0.01121	0.120888	0.00892
0.00217	0.207217	6.33E-06	-0.02579	0.57833	-0.04833	0.2973	0.288808	2.01E-10
0.01043	0.092487	0.04576	-0.02926	0.5282	-0.04578	0.32357	0.150943	0.00107
3.89E-23	-0.56738	3.85E-41	-0.55614	2.86E-39	-0.6124	2.07E-49	-0.17796	0.00011
3.57E-06	0.132906	0.00401	0.183982	6.35E-05	0.198953	1.48E-05	0.333379	1.39E-13
0.30993	0.155968	0.00072	0.033603	0.4688	0.036411	0.43245	0.038779	0.40311
0.03904	-0.1417	0.00214	-0.18346	6.67E-05	-0.17909	9.97E-05	-0.10899	0.01848
0.46189	0.171075	0.0002	0.105142	0.02306	0.067525	0.14512	0.203577	9.25E-06
0.20187	0.022599	0.62617	0.11565	0.01239	-0.00161	0.97233	0.113157	0.01442
1.80E-12	-0.18791	4.38E-05	-0.15915	0.00056	-0.30191	2.69E-11	0.143517	0.00188
3.58E-05	0.077823	0.09299	-0.08069	0.08154	-0.10954	0.01789	0.186481	5.02E-05
0.00789	-0.22635	7.71E-07	-0.15166	0.00101	-0.19779	1.67E-05	0.215704	2.55E-06
3.42E-06	0.065947	0.15478	0.060798	0.18967	0.14177	0.00213	-0.05705	0.21847
0.01071	-0.14996	0.00115	-0.14493	0.00169	-0.17061	0.00021	0.230162	4.95E-07
1.44E-05	0.035322	0.44636	0.051755	0.26434	-0.05384	0.24557	-0.07297	0.11531
0.02019	0.148257	0.00131	0.263521	7.38E-09	0.170906	0.00021	0.073538	0.1125
2.02E-08	-0.02627	0.57115	-0.07779	0.09315	-0.18676	4.89E-05	0.202999	9.82E-06
4.27E-06	0.111282	0.01613	-0.00335	0.94246	-0.06963	0.13296	0.229209	5.53E-07
0.00166	0.048324	0.29737	0.006188	0.89391	-0.06686	0.14915	0.221922	1.28E-06
0.06689	0.030576	0.50981	0.028703	0.53608	0.073185	0.11424	0.095535	0.03904
0.08847	0.131284	0.00449	0.046463	0.31638	0.03526	0.44715	0.11667	0.01163
0.33745	0.002398	0.95879	-0.15949	0.00054	-0.08969	0.05275	0.06008	0.19497
0.03328	0.174417	0.00015	0.02197	0.63581	0.005998	0.89714	0.190551	3.40E-05
3.71E-06	-0.08474	0.06729	-0.04204	0.36471	-0.15265	0.00094	0.135386	0.00337
0.00154	0.117152	0.01129	0.016802	0.71725	-0.04898	0.29084	0.28075	6.60E-10
6.50E-16	-0.3421	2.88E-14	-0.38883	2.64E-18	-0.45649	2.04E-25	0.019789	0.66971
2.54E-06	-0.32155	1.08E-12	-0.29879	4.37E-11	-0.33935	4.75E-14	-0.01048	0.82125
0.02583	0.034717	0.45418	-0.04645	0.3165	-0.0916	0.0479	0.107329	0.02035
0.27835	0.21435	2.95E-06	0.276502	1.22E-09	0.176446	0.00013	0.377398	2.96E-17
2.86E-05	-0.00242	0.95848	-0.19902	1.47E-05	-0.18782	4.42E-05	0.21736	2.12E-06

0.90397	0.036449	0.43198	0.060066	0.19507	0.030117	0.51618	0.063797	0.1687
2.40E-24	0.431823	1.23E-22	0.32427	6.78E-13	0.429696	2.09E-22	0.448571	1.69E-24
0.85806	0.145983	0.00156	-0.03178	0.49328	0.048323	0.29737	0.335794	9.01E-14
0.02829	-0.04845	0.29614	-0.21058	4.43E-06	-0.16017	0.00051	0.162173	0.00043
0.29297	0.08775	0.05811	0.024438	0.59834	0.033301	0.47281	0.129864	0.00494
0.0066	0.045407	0.32752	-0.09035	0.05103	-0.10443	0.02402	0.041067	0.37591
3.50E-07	-0.26417	6.76E-09	-0.00901	0.84607	-0.18454	6.03E-05	0.011532	0.80371
0.00167	0.054547	0.2394	-0.01722	0.71059	-0.10444	0.024	0.136026	0.00323
0.00093	-0.0084	0.85637	-0.05873	0.20521	-0.10957	0.01786	0.227433	6.80E-07
0.73545	0.036961	0.42553	0.151298	0.00104	0.021634	0.64099	0.117055	0.01136
2.65E-06	-0.17565	0.00014	-0.36836	1.87E-16	-0.29006	1.67E-10	-0.1102	0.01721
0.41272	0.022168	0.63277	0.014976	0.74686	0.012897	0.78104	0.091577	0.04795
1.80E-10	-0.22998	5.06E-07	-0.4023	1.36E-19	-0.37983	1.78E-17	0.209309	5.07E-06
4.73E-09	-0.17946	9.64E-05	-0.30042	3.39E-11	-0.33249	1.62E-13	-0.13908	0.00259
9.66E-12	-0.2499	4.42E-08	-0.25394	2.63E-08	-0.34255	2.65E-14	0.069205	0.13536
0.86043	0.043096	0.35276	0.001246	0.97858	-0.0131	0.77764	0.094748	0.04069
0.10207	0.081734	0.07765	0.059969	0.19579	0.083263	0.07224	0.145066	0.00167
0.01574	0.164775	0.00035	0.099751	0.03114	0.11213	0.01534	0.259248	1.31E-08
0.45038	0.138229	0.00276	0.089711	0.0527	0.099754	0.03114	0.126995	0.00599
0.12623	0.09196	0.04702	-0.04258	0.35851	0.050805	0.27322	0.141305	0.00221
0.08953	-0.02978	0.52087	-0.05538	0.23227	-0.09965	0.03132	0.06068	0.19053
0.00159	0.259032	1.35E-08	0.208064	5.79E-06	0.213019	3.41E-06	0.508585	4.35E-32
0.02698	0.154659	0.0008	0.13308	0.00396	0.145898	0.00157	0.131765	0.00434
5.82E-06	0.224903	9.10E-07	0.194222	2.38E-05	0.183745	6.49E-05	0.159431	0.00054
0.00052	0.049531	0.28544	-0.1248	0.00693	-0.1265	0.00619	0.213347	3.29E-06
2.58E-17	-0.20701	6.47E-06	-0.24786	5.73E-08	-0.35124	5.26E-15	0.063712	0.16928
5.22E-10	-0.24451	8.73E-08	-0.19725	1.76E-05	-0.31626	2.63E-12	-0.02534	0.58486
0.39199	-0.04774	0.30329	-0.0146	0.75306	-0.05081	0.27319	-0.20916	5.16E-06
0.00024	0.157574	0.00063	0.025734	0.57909	-0.03073	0.50765	0.373005	7.30E-17
7.37E-08	0.085218	0.06577	0.13428	0.00365	0.200823	1.23E-05	0.076961	0.09668
0.00275	0.019003	0.68211	-0.13011	0.00486	-0.09468	0.04084	0.267521	4.28E-09
3.21E-15	-0.38682	4.07E-18	-0.40521	7.00E-20	-0.44644	2.96E-24	-0.02565	0.58036
3.05E-05	0.229741	5.20E-07	0.025212	0.58681	0.155362	0.00075	0.240285	1.47E-07
8.75E-05	0.193101	2.65E-05	0.186275	5.12E-05	0.231541	4.21E-07	0.184969	5.79E-05
0.08855	0.195377	2.12E-05	0.004754	0.91839	0.013181	0.77634	0.235519	2.62E-07
0.19465	0.380372	1.59E-17	0.142156	0.00207	0.153422	0.00088	0.276848	1.16E-09
0.01589	-0.11982	0.00955	-0.18476	5.90E-05	-0.1806	8.69E-05	-0.08678	0.06094
0.15923	0.289771	1.74E-10	0.128175	0.00554	0.058475	0.20719	0.002846	0.95109
0.04201	0.350284	6.30E-15	-0.04167	0.36889	0.080305	0.083	0.125943	0.00643
0.17482	0.107183	0.02052	0.053936	0.24471	0.028801	0.5347	0.156092	0.00071
0.54608	-0.09725	0.03564	-0.04817	0.29891	-0.08356	0.07122	0.13812	0.00278
2.09E-12	-0.24481	8.42E-08	-0.21733	2.13E-06	-0.3242	6.86E-13	0.015902	0.73178
0.64619	0.07197	0.12039	0.002874	0.9506	-0.01347	0.77162	0.177195	0.00012
0.00759	0.166709	0.0003	0.084948	0.06663	0.13772	0.00286	0.178642	0.0001
0.00346	-0.1396	0.0025	-0.11134	0.01608	-0.13592	0.00325	-0.00249	0.95715



9.51E-08	-0.00302	0.94802	-0.1366	0.0031	-0.17601	0.00013	0.140071	0.00241
0.01476	0.032815	0.4793	0.011495	0.80433	-0.08271	0.07415	-0.04084	0.37855
6.56E-05	0.039808	0.39074	-0.02292	0.62132	-0.05361	0.24758	0.231982	4.00E-07
0.00023	0.28078	6.57E-10	0.212956	3.43E-06	0.266076	5.22E-09	0.251375	3.66E-08
0.04278	-0.05563	0.23022	-0.0252	0.58703	-0.07763	0.0938	0.086669	0.06128
0.05548	0.25077	3.96E-08	0.195465	2.10E-05	0.174439	0.00015	0.255582	2.12E-08
5.58E-10	0.128092	0.00557	0.300297	3.46E-11	0.26386	7.05E-09	-0.25585	2.05E-08
0.0001	0.197783	1.67E-05	0.186756	4.89E-05	0.209774	4.83E-06	0.037789	0.41523
4.87E-07	-0.10005	0.03063	-0.17124	0.0002	-0.22722	6.97E-07	-0.01927	0.67795
0.00599	-0.12188	0.00837	-0.11984	0.00954	-0.15053	0.0011	0.044344	0.33898
3.95E-05	-0.16397	0.00037	-0.18155	7.96E-05	-0.22185	1.29E-06	-0.04295	0.3544
0.10156	-0.04936	0.2871	-0.15428	0.00082	-0.15356	0.00087	0.039253	0.39737
0.00022	-0.18026	8.96E-05	-0.10557	0.02251	-0.18962	3.72E-05	-0.03276	0.48002
0.06917	0.219929	1.60E-06	0.074368	0.10849	0.051008	0.27131	0.322931	8.53E-13
0.05385	0.172492	0.00018	-0.05317	0.25149	0.017685	0.70306	0.29338	1.01E-10
0.06383	0.105484	0.02262	-0.0321	0.48892	-0.0209	0.6523	0.0733	0.11367
0.17705	-0.09031	0.05112	-0.04694	0.31147	-0.04441	0.33822	0.090436	0.05081
1.32E-10	0.153992	0.00084	0.055912	0.22783	0.225612	8.39E-07	0.057807	0.21243
0.22818	-0.04052	0.38228	-0.06998	0.13105	-0.06593	0.15487	0.010743	0.81689
1.09E-13	-0.21898	1.77E-06	-0.33527	9.89E-14	-0.35881	1.23E-15	-0.21931	1.71E-06
0.51602	0.005854	0.8996	-0.02277	0.62357	-0.04717	0.3091	-0.16557	0.00033
0.00012	0.024801	0.59293	0.066211	0.15313	0.135518	0.00334	-0.14113	0.00224
0.01478	0.06484	0.16183	-0.07908	0.08782	-0.0866	0.06151	0.106492	0.02135
5.22E-09	-0.26776	4.14E-09	-0.16133	0.00047	-0.28231	5.26E-10	0.240202	1.49E-07
0.13497	-0.04872	0.29341	0.010648	0.81848	0.03269	0.48098	0.287742	2.36E-10
0.00727	-0.05051	0.27606	-0.09212	0.04663	-0.12174	0.00845	0.005321	0.9087
0.02485	0.013995	0.76293	-0.00955	0.837	0.048514	0.29547	0.01345	0.77189
0.63928	0.141883	0.00212	-0.04344	0.3489	0.003398	0.94161	0.177232	0.00012
0.14901	-0.11914	0.00997	-0.16564	0.00032	-0.12213	0.00824	-0.32998	2.52E-13
1.77E-15	-0.11049	0.01691	-0.19087	3.30E-05	-0.30663	1.27E-11	0.051161	0.26987
0.29719	-0.0276	0.55194	0.022176	0.63264	-0.02713	0.55863	0.081757	0.07756
0.00057	0.065523	0.15745	-0.04266	0.35765	-0.08728	0.05947	0.127874	0.00565
5.95E-11	-0.12383	0.00738	-0.09136	0.04847	-0.23844	1.84E-07	-0.15865	0.00058
9.13E-10	-0.20232	1.05E-05	-0.25986	1.21E-08	-0.29476	8.16E-11	0.022421	0.6289
0.479	0.069899	0.13147	0.055555	0.23081	0.054244	0.24203	0.073097	0.11467
0.07096	0.005081	0.9128	-0.06192	0.18159	-0.03195	0.49093	0.225973	8.05E-07
0.7795	-0.09707	0.03599	-0.09421	0.04186	-0.06331	0.172	0.160228	0.00051
0.00439	-0.11778	0.01086	-0.07901	0.08811	-0.10627	0.02163	-0.00256	0.95596
0.00218	0.23767	2.03E-07	0.071999	0.12024	0.053812	0.2458	0.071427	0.12322
0.25837	-0.00529	0.90922	-0.10874	0.01874	-0.04304	0.35337	-0.02246	0.62826
1.52E-11	-0.15414	0.00083	-0.38044	1.57E-17	-0.39346	9.66E-19	0.096325	0.03745
0.02286	0.042226	0.36257	-0.04956	0.28521	-0.06455	0.16375	-0.00134	0.97697
0.01023	-0.07974	0.0852	-0.06507	0.16033	-0.07809	0.09187	0.146902	0.00146
0.04637	-0.10403	0.02456	-0.25031	4.20E-08	-0.20048	1.27E-05	0.000423	0.99273
0.35499	0.168672	0.00025	0.006466	0.88917	0.080096	0.0838	0.259041	1.35E-08

0.09881	0.255755	2.08E-08	0.016176	0.72735	0.137678	0.00287	0.295165	7.67E-11
0.29843	0.111641	0.01579	0.02562	0.58078	0.047247	0.30828	0.407285	4.36E-20
0.39138	0.056291	0.22468	0.032189	0.48773	0.031747	0.49373	0.159755	0.00053
0.05581	-0.0661	0.15381	0.031558	0.4963	0.021799	0.63844	0.251359	3.67E-08
0.40537	-0.13302	0.00398	-0.06115	0.18711	-0.0782	0.09142	0.181478	8.01E-05
0.71426	-0.07718	0.09573	-0.01116	0.80988	-0.01808	0.69672	0.198138	1.61E-05
0.00945	0.082677	0.07427	0.126512	0.00619	0.134151	0.00368	0.275422	1.42E-09
0.00887	0.07778	0.09317	0.103	0.02603	0.123985	0.00731	0.321661	1.06E-12
0.27413	0.012303	0.79088	0.083928	0.06998	0.064071	0.16688	0.305785	1.45E-11
0.00072	0.072853	0.1159	0.112713	0.01481	0.1396	0.0025	0.113828	0.01385
0.4093	0.425879	5.33E-22	0.30507	1.63E-11	0.188899	3.99E-05	0.076204	0.10002
0.89952	0.113021	0.01454	0.152778	0.00093	0.106551	0.02128	0.01318	0.77636
4.21E-06	-0.0857	0.06425	-0.26157	9.60E-09	-0.27657	1.20E-09	-0.17454	0.00015
0.00035	-0.05317	0.2515	-0.16384	0.00038	-0.17032	0.00022	0.181924	7.69E-05
4.35E-14	-0.20267	1.02E-05	-0.2248	9.20E-07	-0.31933	1.57E-12	-0.16977	0.00023
0.00011	0.25398	2.62E-08	0.148176	0.00132	0.023374	0.61439	0.161626	0.00045
4.02E-06	0.160544	0.0005	-0.03052	0.5106	0.118412	0.01043	0.236888	2.23E-07
0.98119	0.161987	0.00044	-0.13357	0.00383	0.010454	0.82173	0.238518	1.83E-07
0.27487	-0.03398	0.46382	-0.03214	0.48839	-0.01413	0.76065	0.322601	9.02E-13
0.02853	0.206039	7.16E-06	0.193289	2.60E-05	0.156496	0.00069	0.260421	1.12E-08
0.38698	0.191385	3.14E-05	0.258787	1.39E-08	0.12954	0.00505	0.018574	0.68889
0.00041	0.431308	1.40E-22	0.491459	9.10E-30	0.401284	1.70E-19	0.207842	5.93E-06
0.05085	0.067165	0.14728	-0.02897	0.53234	-0.04064	0.38093	0.017812	0.70103
0.01737	-0.25518	2.24E-08	-0.14614	0.00154	-0.20227	1.06E-05	0.124305	0.00716
1.37E-14	-0.25906	1.34E-08	-0.10833	0.0192	-0.28337	4.50E-10	0.030494	0.51095
2.69E-22	-0.15756	0.00063	-0.23213	3.93E-07	-0.37969	1.84E-17	-0.06261	0.17677
0.00035	-0.00519	0.91098	-0.09814	0.03398	-0.13139	0.00446	0.010482	0.82127
0.48281	0.102918	0.02615	0.219598	1.66E-06	0.084014	0.06969	0.055305	0.23293
0.87106	-0.14603	0.00155	-0.02698	0.56079	-0.08811	0.05709	0.098454	0.03341
1.71E-07	-0.12416	0.00722	-0.20297	9.84E-06	-0.21904	1.76E-06	0.103747	0.02496
0.75477	0.184748	5.91E-05	0.116767	0.01156	0.121667	0.00849	0.359584	1.06E-15
0.04343	0.05033	0.27774	0.006461	0.88925	-0.02	0.66633	0.008444	0.85559
0.00016	-0.01478	0.74998	0.00473	0.9188	-0.09664	0.03683	0.030412	0.51208
0.00033	0.044266	0.33983	-0.08617	0.06278	-0.10954	0.01788	0.17161	0.00019
5.93E-16	-0.22283	1.15E-06	-0.33483	1.07E-13	-0.39427	8.09E-19	0.00317	0.94553
0.01169	0.206581	6.77E-06	0.016718	0.7186	0.085621	0.0645	0.002044	0.96486
0.75319	0.056532	0.2227	0.154935	0.00078	0.060754	0.18999	0.090574	0.05045
2.86E-18	-0.32786	3.65E-13	-0.39116	1.59E-18	-0.47283	2.18E-27	-0.01062	0.81898
1.59E-12	-0.12302	0.00778	-0.21503	2.74E-06	-0.27025	2.93E-09	-0.00615	0.89454
4.30E-08	0.088397	0.05628	0.328941	3.02E-13	0.228555	5.97E-07	0.134292	0.00364
0.19355	0.199321	1.43E-05	0.215484	2.61E-06	0.142259	0.00206	0.350153	6.46E-15
0.077	0.214454	2.92E-06	-0.04847	0.29593	0.028954	0.53252	0.232345	3.83E-07
0.05987	0.002678	0.95397	0.018893	0.68385	-0.07092	0.1259	0.175496	0.00014
1.27E-07	-0.08165	0.07796	-0.15823	0.0006	-0.21931	1.71E-06	0.138416	0.00272
1.58E-05	-0.14175	0.00214	-0.25236	3.23E-08	-0.24087	1.37E-07	0.262299	8.71E-09

7.27E-06	-0.1093	0.01814	-0.21894	1.78E-06	-0.20158	1.14E-05	0.141122	0.00224
1.19E-06	-0.0178	0.70127	-0.11601	0.01212	-0.18124	8.19E-05	0.170925	0.00021
0.05971	0.133874	0.00375	0.053337	0.25	0.07506	0.10523	0.164199	0.00037
0.26467	0.07094	0.12581	0.029263	0.52816	0.001542	0.97348	0.019933	0.66745
0.05911	-0.03185	0.49233	0.050842	0.27288	-0.0489	0.29159	-0.09593	0.03824
0.22753	-0.15098	0.00107	0.010585	0.81955	-0.05416	0.24275	0.19176	3.02E-05
8.43E-11	0.509515	3.22E-32	0.168318	0.00026	0.320968	1.19E-12	0.296886	5.88E-11
0.9438	-0.02716	0.55827	-0.05927	0.20104	0.02249	0.62783	0.190369	3.46E-05
0.00247	0.021403	0.64456	-0.12453	0.00705	-0.12299	0.00779	0.183538	6.62E-05
4.59E-06	0.230473	4.77E-07	0.159938	0.00052	0.225592	8.41E-07	0.351415	5.09E-15
0.72672	0.085025	0.06639	0.057667	0.21354	0.058422	0.2076	0.072212	0.11915
2.89E-13	-0.31108	6.17E-12	-0.31414	3.73E-12	-0.40249	1.30E-19	-0.17191	0.00019
2.73E-13	-0.18943	3.79E-05	-0.36823	1.92E-16	-0.37895	2.14E-17	-0.27852	9.10E-10
5.63E-05	0.09101	0.04935	-0.04982	0.28264	-0.08446	0.06821	0.176202	0.00013
0.00015	-0.00153	0.97367	0.099825	0.03102	0.109063	0.01839	-0.32127	1.13E-12
4.42E-10	0.018528	0.68963	-0.1989	1.49E-05	-0.2066	6.75E-06	-0.03393	0.46449
0.79395	-0.05791	0.21161	-0.0103	0.82429	-0.04385	0.34442	0.092727	0.0452
0.10762	-0.01523	0.74272	-0.30239	2.49E-11	-0.16105	0.00048	0.317389	2.17E-12
3.05E-25	-0.36321	5.21E-16	-0.48384	8.92E-29	-0.52658	1.13E-34	-0.06413	0.16648
0.81986	-0.02468	0.59468	-0.00804	0.86239	-0.03643	0.43222	0.431201	1.44E-22
0.05905	0.120891	0.00892	0.167072	0.00029	0.113385	0.01422	0.100643	0.02966
3.91E-20	-0.19196	2.97E-05	-0.31773	2.05E-12	-0.40003	2.26E-19	-0.1527	0.00093
2.22E-10	-0.14154	0.00217	-0.20028	1.30E-05	-0.29089	1.47E-10	0.129866	0.00494
1.80E-12	-0.16217	0.00043	-0.24528	7.93E-08	-0.31314	4.40E-12	-0.07419	0.10936
0.02345	-0.07893	0.08843	-0.02209	0.63391	-0.09559	0.03893	0.093809	0.04274
3.66E-09	0.103006	0.02602	0.17148	0.0002	0.200793	1.23E-05	0.171424	0.0002
0.00026	-0.04351	0.34817	-0.12603	0.00639	-0.15129	0.00104	0.096285	0.03753
0.00327	-0.07193	0.12058	-0.14685	0.00146	-0.13116	0.00452	-0.16769	0.00027
0.21715	0.151557	0.00102	0.02676	0.56405	0.0295	0.52482	0.158269	0.0006
0.0128	-0.01427	0.75846	-0.0011	0.98111	0.060933	0.18869	0.330363	2.36E-13
4.89E-13	-0.25971	1.23E-08	-0.33635	8.15E-14	-0.39773	3.77E-19	0.198151	1.61E-05
0.00064	-0.06841	0.13991	-0.12936	0.00511	-0.16264	0.00042	0.219541	1.67E-06
0.15792	0.275386	1.43E-09	0.243357	1.01E-07	0.165822	0.00032	0.318337	1.85E-12
0.00131	-0.11571	0.01234	-0.1145	0.01329	-0.16537	0.00033	0.035444	0.44478
0.00047	0.319498	1.53E-12	0.313104	4.42E-12	0.278895	8.63E-10	0.37335	6.80E-17
3.03E-08	-0.17458	0.00015	-0.31523	3.11E-12	-0.29546	7.32E-11	0.000715	0.98771
0.02622	-0.16741	0.00028	-0.15037	0.00112	-0.18571	5.40E-05	0.077649	0.09373
1.70E-06	-0.12018	0.00933	-0.09435	0.04155	-0.19004	3.57E-05	-0.06063	0.1909
4.45E-06	-0.03194	0.49105	-0.16005	0.00052	-0.18392	6.39E-05	0.075221	0.10448
0.158	0.134957	0.00348	0.05391	0.24494	0.075994	0.10096	0.292848	1.09E-10
0.00311	-0.02572	0.57923	-0.21175	3.91E-06	-0.19369	2.50E-05	0.166893	0.00029
0.32882	0.112193	0.01528	0.029885	0.51943	0.006188	0.8939	0.147801	0.00136
6.98E-08	-0.04908	0.28991	-0.21855	1.86E-06	-0.23279	3.63E-07	-0.1781	0.00011
0.32855	0.035729	0.44113	-0.03051	0.51078	-0.04932	0.28749	0.225703	8.30E-07
0.01974	-0.05008	0.28012	-0.0904	0.05091	-0.08269	0.07424	0.140555	0.00233

0.36469	0.029886	0.51941	0.206864	6.57E-06	0.063474	0.17088	0.135177	0.00342
2.03E-28	-0.39631	5.16E-19	-0.49098	1.05E-29	-0.55273	1.02E-38	-0.30434	1.83E-11
1.76E-10	-0.14618	0.00154	-0.12851	0.00541	-0.26454	6.43E-09	0.156113	0.00071
0.17146	0.139856	0.00245	0.006677	0.88557	-0.00414	0.92894	0.31912	1.63E-12
3.90E-07	-0.30768	1.07E-11	-0.18358	6.59E-05	-0.30153	2.85E-11	0.075475	0.10332
1.82E-13	0.134209	0.00366	0.163439	0.00039	0.245263	7.95E-08	0.257421	1.67E-08
0.0037	0.132982	0.00399	0.188651	4.08E-05	0.187837	4.41E-05	0.114461	0.01332
0.1201	-0.11857	0.01033	-0.18596	5.27E-05	-0.16058	0.00049	0.274928	1.52E-09
6.63E-06	-0.03723	0.42213	-0.17679	0.00012	-0.19434	2.35E-05	0.16022	0.00051
0.24343	0.067551	0.14497	0.04826	0.29801	0.037239	0.42206	0.108484	0.01903
0.27088	-0.03108	0.5029	-0.0625	0.17752	-0.06885	0.13735	-0.00839	0.85642
0.04019	-0.10048	0.02992	-0.02743	0.5543	-0.00625	0.89279	0.224323	9.72E-07
0.52828	0.265837	5.39E-09	-0.00886	0.84858	0.078666	0.08949	0.122621	0.00798
0.00183	0.004573	0.92149	-0.04318	0.35185	-0.10113	0.02888	0.215752	2.53E-06
0.55089	-0.03287	0.47853	-0.09938	0.03178	-0.052	0.26208	0.252946	2.99E-08
0.00027	-0.04937	0.28701	-0.12929	0.00514	-0.14406	0.0018	0.171605	0.00019
1.11E-09	-0.07208	0.11983	-0.16884	0.00025	-0.24744	6.05E-08	0.06903	0.13635
0.30197	0.15562	0.00074	0.037957	0.41315	0.034022	0.46327	0.168371	0.00026
0.00019	0.022683	0.62489	-0.14372	0.00185	-0.12661	0.00615	-0.09258	0.04555
0.00098	0.105926	0.02206	-0.02615	0.57298	-0.05069	0.27431	0.151201	0.00105
0.62669	0.254751	2.37E-08	0.164228	0.00037	0.10896	0.01851	0.169969	0.00022
0.27957	0.179054	0.0001	0.143861	0.00183	0.049639	0.2844	0.116674	0.01163
1.00E-05	-0.30233	2.51E-11	-0.21732	2.13E-06	-0.27036	2.89E-09	-0.03046	0.51146
0.00341	0.122032	0.00829	0.023742	0.60881	-0.02274	0.62403	0.127688	0.00572
0.06689	0.023973	0.60533	-0.05943	0.19985	-0.05065	0.27472	-0.00837	0.8568
0.85482	0.156886	0.00067	0.046889	0.31195	0.044396	0.33841	0.289394	1.84E-10
0.13748	0.249411	4.71E-08	0.098775	0.03284	0.078989	0.08818	0.239244	1.67E-07
0.00171	0.154764	0.00079	-0.07248	0.1178	-0.06084	0.18933	0.152381	0.00095
3.08E-22	-0.22292	1.14E-06	-0.33366	1.32E-13	-0.40038	2.09E-19	-0.17876	0.0001
3.36E-05	0.300968	3.11E-11	0.195093	2.18E-05	0.21279	3.50E-06	0.42713	3.93E-22
0.0125	-0.03105	0.50333	-0.07271	0.1166	-0.15569	0.00074	0.226022	8.00E-07
1.61E-07	-0.09375	0.04287	-0.14245	0.00203	-0.20405	8.81E-06	0.087922	0.05762
0.24903	0.176224	0.00013	0.052099	0.26118	0.041045	0.37617	0.198174	1.60E-05
8.85E-07	0.29699	5.79E-11	0.268479	3.75E-09	0.279262	8.18E-10	0.21863	1.84E-06
0.02291	0.121322	0.00868	0.019869	0.66846	-0.00863	0.85237	0.146891	0.00146
5.53E-08	-0.2141	3.03E-06	-0.20717	6.36E-06	-0.27572	1.36E-09	0.123671	0.00746
1.73E-07	-0.16403	0.00037	-0.11917	0.00995	-0.22563	8.37E-07	0.074141	0.10958
0.30979	0.193759	2.49E-05	0.03533	0.44625	0.022121	0.6335	0.260102	1.17E-08
2.27E-19	0.466291	1.38E-26	0.321675	1.06E-12	0.406898	4.76E-20	0.308397	9.53E-12
0.07325	0.030689	0.50825	-0.03716	0.423	-0.0404	0.3837	0.277432	1.06E-09
0.61488	0.411628	1.60E-20	0.278002	9.81E-10	0.239751	1.57E-07	0.158734	0.00058
0.0014	-0.11405	0.01366	-0.02574	0.57897	-0.10493	0.02335	0.361423	7.40E-16
1.77E-19	-0.34035	3.96E-14	-0.30541	1.54E-11	-0.46762	9.53E-27	-0.00043	0.99254
6.06E-06	-0.24266	1.10E-07	-0.2012	1.18E-05	-0.25648	1.89E-08	0.004078	0.92997
3.13E-06	-0.00369	0.93664	-0.22706	7.10E-07	-0.22945	5.38E-07	0.127557	0.00577

2.41E-07	-0.20135	1.16E-05	-0.23739	2.09E-07	-0.28783	2.33E-10	0.204903	8.06E-06
6.29E-10	-0.08709	0.06002	-0.28875	2.03E-10	-0.2591	1.34E-08	-0.22802	6.36E-07
0.00023	0.043773	0.34524	-0.10191	0.02766	-0.12337	0.0076	0.208712	5.41E-06
5.07E-09	-0.06739	0.14592	-0.19949	1.40E-05	-0.23877	1.77E-07	-0.14966	0.00118
0.02271	0.180172	9.03E-05	0.113712	0.01394	0.14867	0.00127	-0.27392	1.75E-09
1.94E-14	0.153215	0.00089	0.21585	2.51E-06	0.240008	1.52E-07	0.359402	1.10E-15
1.67E-11	0.176749	0.00012	0.174539	0.00015	0.24052	1.43E-07	0.139719	0.00248
0.00021	0.024709	0.59431	-0.13218	0.00422	-0.14756	0.00138	0.017312	0.70904
0.19558	0.072435	0.11801	0.028073	0.54507	-0.0036	0.93821	0.136999	0.00301
0.59338	0.066494	0.15138	0.042119	0.3638	0.02436	0.59951	-0.05591	0.22786
6.10E-10	0.028058	0.54529	0.086841	0.06077	0.204959	8.01E-06	-0.02907	0.53083
1.62E-06	0.092002	0.04691	0.014034	0.76229	0.127371	0.00584	-0.08399	0.06976
0.96854	0.208264	5.67E-06	0.082111	0.07628	0.071142	0.12473	0.32761	3.81E-13
0.11617	0.05945	0.1997	0.026079	0.574	-0.02415	0.60271	0.047518	0.30551
0.05894	-0.08061	0.08184	-0.1681	0.00026	-0.18923	3.86E-05	-0.02562	0.58084
0.08929	0.173701	0.00016	0.097182	0.03578	0.126207	0.00631	0.320022	1.40E-12
0.00387	-0.07463	0.10726	-0.06548	0.15771	-0.12932	0.00513	0.213297	3.31E-06
3.52E-17	-0.25356	2.76E-08	-0.23645	2.35E-07	-0.37995	1.74E-17	-0.08228	0.07569
1.03E-09	0.051169	0.2698	-0.1179	0.01078	-0.19575	2.04E-05	0.153895	0.00085
9.64E-19	0.254039	2.60E-08	0.235495	2.63E-07	0.401742	1.54E-19	0.298534	4.55E-11
0.83381	0.016181	0.72728	0.124824	0.00692	0.022267	0.63126	0.218089	1.96E-06
0.22161	-0.19421	2.38E-05	-0.13245	0.00414	-0.13407	0.0037	-0.02327	0.61598
4.53E-16	-0.19383	2.47E-05	-0.20838	5.60E-06	-0.32975	2.63E-13	-0.01001	0.82911
0.00307	0.024898	0.59148	-0.0282	0.54324	-0.07024	0.12957	0.189228	3.86E-05
0.18528	0.087217	0.05966	-0.02303	0.61953	-0.02324	0.6164	0.273178	1.95E-09
0.0277	0.214578	2.88E-06	0.365379	3.39E-16	0.141538	0.00217	0.306615	1.27E-11
1.02E-05	0.229934	5.09E-07	-0.01445	0.75544	0.127444	0.00582	0.326665	4.49E-13
0.29331	0.164612	0.00035	-0.00488	0.9162	0.040225	0.38579	0.335617	9.30E-14
0.01573	0.202255	1.06E-05	0.200565	1.26E-05	0.174499	0.00015	0.179742	9.40E-05
2.94E-05	-0.11765	0.01094	-0.14042	0.00235	-0.16869	0.00025	-0.02752	0.55299
0.8014	-0.08814	0.05698	-0.01817	0.69526	-0.01653	0.72162	0.202327	1.05E-05
0.00136	-0.13638	0.00315	-0.01725	0.7101	-0.13516	0.00343	0.146498	0.0015
0.1188	-0.06957	0.13329	-0.06713	0.14749	-0.0811	0.08	-0.02333	0.61506
0.72392	0.070575	0.12777	0.065283	0.15898	0.0208	0.65391	0.177939	0.00011
0.03126	0.121879	0.00837	0.041357	0.37255	0.07526	0.10431	0.139504	0.00252
0.19229	0.104029	0.02457	0.241947	1.20E-07	0.08753	0.05875	0.260709	1.08E-08
0.22522	0.236032	2.47E-07	0.188356	4.20E-05	0.167941	0.00027	0.251621	3.55E-08
0.24249	0.094771	0.04064	0.009318	0.84084	-0.01804	0.69736	-0.05179	0.26399
0.0042	0.119957	0.00947	0.01214	0.79358	-0.02918	0.52929	0.088294	0.05656
0.00036	0.0142	0.75956	-0.10987	0.01755	-0.12089	0.00892	0.135611	0.00332
0.00149	0.205985	7.20E-06	0.050028	0.28064	0.023788	0.60812	0.146795	0.00147
8.06E-06	-0.05872	0.20531	-0.14916	0.00123	-0.19167	3.05E-05	0.113406	0.0142
0.00145	0.055376	0.23232	-0.09069	0.05016	-0.08182	0.07733	0.168288	0.00026
0.44214	-0.02204	0.6347	0.225956	8.06E-07	0.043871	0.34416	-0.05613	0.22604
0.44734	0.171678	0.00019	0.084699	0.06744	0.085856	0.06377	0.166825	0.00029

0.004	0.209971	4.73E-06	0.088777	0.05522	0.081512	0.07846	0.165621	0.00033
0.43084	0.258684	1.41E-08	0.105043	0.0232	0.040657	0.3807	0.036981	0.42528
1.90E-05	-0.1198	0.00956	-0.21673	2.27E-06	-0.22136	1.36E-06	0.11969	0.00963
0.00209	0.135455	0.00336	-0.01845	0.69095	-0.01826	0.69393	0.316283	2.61E-12
0.0684	-0.06966	0.13278	-0.1281	0.00557	-0.00814	0.8608	0.341494	3.22E-14
0.66258	0.118033	0.01069	0.097989	0.03426	0.068432	0.13978	0.36359	4.83E-16
0.67373	0.063136	0.17317	0.127792	0.00568	0.045853	0.32278	0.438195	2.48E-23
0.00461	0.080346	0.08284	-0.03475	0.45377	-0.06351	0.17063	0.09656	0.03698
0.0076	-0.0412	0.37435	-0.12864	0.00537	-0.12505	0.00681	0.113907	0.01378
4.42E-13	-0.03153	0.49674	0.207384	6.22E-06	0.209823	4.80E-06	0.204238	8.64E-06
0.00548	0.189642	3.71E-05	0.192725	2.75E-05	0.042027	0.36484	-0.10861	0.01889
0.00901	-0.03189	0.49183	-0.09083	0.0498	-0.11181	0.01563	0.044498	0.3373
0.01399	0.024217	0.60166	-0.01046	0.82164	0.080025	0.08408	0.068061	0.14195
0.03436	-0.15585	0.00073	-0.15107	0.00106	-0.11382	0.01385	0.170557	0.00021
0.02873	0.229309	5.47E-07	0.104639	0.02373	0.035215	0.44773	0.175118	0.00014
1.01E-07	-0.06968	0.13266	-0.15347	0.00088	-0.21189	3.85E-06	0.139944	0.00244
0.00015	-0.12982	0.00496	-0.15877	0.00057	-0.22545	8.55E-07	0.216033	2.46E-06
8.92E-08	-0.04406	0.34211	-0.08987	0.05228	-0.1772	0.00012	0.220269	1.54E-06
0.02485	-0.01163	0.80199	0.051069	0.27073	0.040042	0.38795	0.04143	0.3717
0.0719	0.189649	3.71E-05	0.013645	0.76869	-0.00123	0.97879	0.160689	0.00049
3.27E-05	0.210114	4.66E-06	0.042328	0.36141	0.119877	0.00951	0.142104	0.00208
6.69E-07	-0.22562	8.38E-07	-0.29709	5.70E-11	-0.3358	9.00E-14	-0.0392	0.39798
3.44E-08	0.076865	0.0971	-0.02927	0.52812	-0.13765	0.00287	0.22644	7.63E-07
4.72E-09	-0.24101	1.35E-07	-0.21481	2.81E-06	-0.33551	9.49E-14	0.017797	0.70128
0.00247	0.009363	0.84008	-0.05698	0.21907	-0.10281	0.02631	0.203521	9.30E-06
0.08946	0.02099	0.65096	-0.08396	0.06989	-0.05573	0.22932	0.106743	0.02105
1.91E-07	-0.27234	2.19E-09	-0.22574	8.26E-07	-0.28422	3.98E-10	0.115448	0.01254
0.26325	0.036287	0.43402	0.00289	0.95034	-0.00454	0.92201	0.091959	0.04702
3.00E-07	-0.14859	0.00128	-0.12892	0.00527	-0.22633	7.73E-07	0.134311	0.00364
0.00433	0.040614	0.3812	-0.24638	6.91E-08	-0.05393	0.24473	0.220957	1.42E-06
0.47682	0.217617	2.06E-06	0.17825	0.00011	0.104692	0.02366	0.268241	3.87E-09
0.36195	-0.10032	0.03019	-0.02239	0.62942	-0.03792	0.41363	0.111222	0.01619
0.02026	0.102227	0.02717	-0.00076	0.98699	0.027195	0.55773	-0.14159	0.00216
0.4826	-0.26538	5.73E-09	-0.01504	0.74582	-0.11576	0.0123	0.136793	0.00306
1.14E-14	0.261833	9.27E-09	0.333163	1.44E-13	0.412257	1.38E-20	-0.16987	0.00023
8.41E-09	0.362371	6.15E-16	0.243543	9.86E-08	0.327594	3.82E-13	0.338074	5.98E-14
0.72768	-0.14783	0.00136	-0.09243	0.04589	-0.10657	0.02125	0.325445	5.54E-13
0.15334	0.049643	0.28436	-0.23157	4.20E-07	-0.11824	0.01055	0.212412	3.64E-06
6.23E-11	0.057023	0.21871	0.099287	0.03194	-0.07954	0.086	-0.01319	0.77611
0.00013	-0.02636	0.56984	-0.1015	0.02829	-0.13857	0.00269	0.293463	9.95E-11
0.02887	0.130783	0.00464	-0.07143	0.12323	-0.05954	0.19899	0.297846	5.07E-11
0.01661	0.093655	0.04308	-0.03559	0.44287	-0.03796	0.41315	0.173874	0.00016
0.00653	0.038483	0.4067	-0.05842	0.20758	-0.06269	0.17621	0.192249	2.88E-05
0.08856	0.213099	3.38E-06	0.109603	0.01782	0.10008	0.03059	0.24824	5.47E-08
1.68E-14	-0.26197	9.10E-09	-0.15698	0.00066	-0.31703	2.31E-12	0.172962	0.00017

0.34088	0.300973	3.11E-11	0.223085	1.12E-06	0.20259	1.02E-05	0.314542	3.49E-12
0.03932	-0.02978	0.52084	-0.12815	0.00555	-0.08513	0.06605	0.057006	0.21884
0.86411	0.15038	0.00112	0.017614	0.7042	0.033493	0.47026	0.180102	9.09E-05
2.70E-06	0.038827	0.40252	-0.09991	0.03088	-0.13056	0.00471	0.142148	0.00208
0.10789	-0.03883	0.40254	-0.20335	9.46E-06	-0.13546	0.00336	0.063246	0.17242
0.31436	-0.01201	0.79577	-0.07208	0.11982	-0.04396	0.34323	-0.00067	0.98848
0.11704	0.191363	3.14E-05	0.079697	0.08536	0.024297	0.60046	0.261812	9.29E-09
0.52668	0.057583	0.21421	-0.08889	0.0549	-0.01708	0.71278	0.332769	1.54E-13
0.00185	0.09964	0.03133	0.010736	0.81702	-0.03314	0.47498	0.09819	0.03389
0.00113	-0.25506	2.27E-08	-0.18218	7.51E-05	-0.21225	3.70E-06	-0.06393	0.16784
0.10842	-0.05874	0.20512	-0.01516	0.7438	0.009164	0.84344	0.024376	0.59929
3.86E-08	0.404604	8.03E-20	0.187011	4.77E-05	0.275431	1.42E-09	0.431979	1.18E-22
2.99E-06	0.00536	0.90804	-0.11632	0.01189	-0.14947	0.0012	0.043917	0.34365
0.11788	-0.00291	0.94991	-0.01233	0.79044	-0.03751	0.41872	0.088775	0.05523
7.35E-24	-0.08483	0.06701	-0.22492	9.08E-07	-0.31292	4.56E-12	-0.15191	0.00099
2.88E-16	-0.13233	0.00418	-0.34863	8.59E-15	-0.33749	6.65E-14	0.123039	0.00777
0.00062	0.020751	0.65468	-0.22624	7.80E-07	-0.15292	0.00092	0.119658	0.00965
2.24E-13	-0.07198	0.12037	-0.21324	3.33E-06	-0.2677	4.17E-09	0.196398	1.92E-05
0.01095	-0.31485	3.32E-12	-0.12831	0.00549	-0.178	0.00011	0.056708	0.22127
2.27E-09	0.454439	3.55E-25	0.257677	1.61E-08	0.332816	1.53E-13	0.187858	4.40E-05
0.43921	0.048583	0.29478	0.028219	0.54299	0.004221	0.92752	-0.03783	0.41466
0.00017	0.000936	0.98391	-0.15379	0.00085	-0.14088	0.00228	-0.05773	0.21305
0.95993	0.306408	1.31E-11	0.111368	0.01605	0.143256	0.00191	0.344784	1.76E-14
0.09804	0.001695	0.97086	-0.01523	0.74274	-0.07619	0.10008	0.138747	0.00266
1.01E-10	0.254287	2.51E-08	0.21746	2.10E-06	0.262955	7.97E-09	0.12668	0.00612
0.71735	0.020259	0.66234	-0.03168	0.49464	-0.0124	0.7892	0.182391	7.36E-05
0.89657	-0.06834	0.14033	0.160897	0.00048	0.013947	0.76372	0.035493	0.44415
0.00048	0.109251	0.01819	0.04007	0.38762	0.102377	0.02695	-0.33897	5.08E-14
0.34174	0.243023	1.05E-07	0.067612	0.1446	0.033243	0.47359	0.067103	0.14766
0.08863	-0.17809	0.00011	-0.0988	0.03279	-0.15564	0.00074	0.199081	1.46E-05
0.08575	0.076579	0.09836	-0.00814	0.8608	0.009464	0.83838	0.151704	0.00101
0.00354	0.073213	0.1141	-0.00154	0.97357	-0.05382	0.24576	0.218726	1.82E-06
0.00038	0.00585	0.89967	0.021818	0.63815	-0.09333	0.04381	0.223964	1.01E-06
0.00036	0.07726	0.09539	-0.00125	0.97854	-0.06695	0.1486	0.159872	0.00052
3.58E-11	-0.05816	0.20961	-0.28302	4.74E-10	-0.28257	5.06E-10	0.003876	0.93342
5.18E-08	-0.04207	0.36431	-0.17949	9.61E-05	-0.20317	9.64E-06	0.003638	0.93751
9.35E-15	0.230351	4.84E-07	0.003847	0.93392	0.237753	2.01E-07	0.484994	6.33E-29
0.56152	0.020732	0.65497	-0.06078	0.18981	-0.06136	0.18558	0.133837	0.00376
0.00077	-0.13154	0.00441	-0.20438	8.51E-06	-0.19153	3.09E-05	0.221059	1.41E-06
0.2253	0.331756	1.85E-13	0.204763	8.18E-06	0.223646	1.05E-06	0.333311	1.40E-13
0.01588	0.092633	0.04542	0.016966	0.7146	-0.02025	0.66255	0.160093	0.00052
1.45E-21	0.303901	1.96E-11	0.229281	5.49E-07	0.375645	4.25E-17	0.088176	0.0569
0.12854	-0.00113	0.98051	-0.0815	0.07849	-0.06169	0.18325	0.430408	1.75E-22
0.00056	0.144187	0.00178	0.143579	0.00187	0.150828	0.00108	0.351131	5.37E-15
5.54E-10	-0.00546	0.9064	-0.0571	0.21807	-0.15017	0.00113	0.196747	1.85E-05

0.99168	-0.01336	0.77336	-0.12795	0.00562	-0.07149	0.1229	0.385005	5.99E-18
0.00883	0.152725	0.00093	-0.04498	0.33208	-0.04083	0.37862	0.409943	2.36E-20
0.05751	0.073716	0.11163	-0.06046	0.19214	-0.05623	0.22522	0.053372	0.24969
0.30445	-0.244	9.32E-08	-0.13738	0.00293	-0.11897	0.01008	-0.17322	0.00017
1.13E-11	0.112791	0.01474	0.099607	0.03139	0.2001	1.32E-05	0.443369	6.56E-24
0.52787	-0.06615	0.15352	-0.00332	0.94295	-0.03191	0.49151	0.022623	0.62581
1.86E-05	-0.08129	0.07928	-0.33325	1.42E-13	-0.26763	4.22E-09	0.217942	1.99E-06
0.09077	-0.03921	0.3979	-0.13401	0.00372	-0.03912	0.39896	-0.01209	0.79437
0.11595	0.187561	4.53E-05	0.077241	0.09547	0.040323	0.38462	0.25131	3.69E-08
0.00073	0.000605	0.9896	-0.10199	0.02754	-0.13504	0.00346	0.238314	1.87E-07
0.00058	-0.09825	0.03378	-0.16068	0.00049	-0.19342	2.57E-05	0.008994	0.8463
0.00013	0.232365	3.82E-07	0.301547	2.84E-11	0.26103	1.03E-08	0.202626	1.02E-05
9.72E-05	0.005429	0.90685	-0.08317	0.07257	0.051013	0.27126	0.354064	3.07E-15
0.01093	-0.05403	0.24386	0.028297	0.54187	0.027082	0.55937	0.312991	4.51E-12
0.28848	0.224568	9.45E-07	0.064398	0.16472	0.061532	0.18437	0.178104	0.00011
0.00021	0.036989	0.42518	-0.02632	0.57044	-0.10473	0.0236	0.249271	4.79E-08
0.00093	0.010908	0.81414	-0.00467	0.91989	-0.10209	0.02739	0.142304	0.00205
0.00675	-0.01191	0.79744	-0.05132	0.26842	-0.0698	0.13204	0.053635	0.24736
0.12408	0.030672	0.50848	-0.03362	0.46856	-0.0245	0.59745	0.036915	0.4261
0.01131	0.150108	0.00114	0.149462	0.0012	0.175936	0.00013	0.2119	3.85E-06
0.8442	0.011539	0.80359	0.015052	0.74562	-0.00235	0.95953	0.139286	0.00256
0.17966	0.122145	0.00823	0.016628	0.72005	-0.0005	0.99133	0.204292	8.59E-06
0.94817	0.029267	0.5281	-0.01016	0.82668	-0.01492	0.7477	0.070918	0.12592
0.00182	0.008828	0.84911	0.156502	0.00069	0.15129	0.00104	0.075153	0.1048
0.0852	-0.10239	0.02694	-0.10949	0.01794	-0.10626	0.02163	0.181432	8.05E-05
0.07641	0.165356	0.00033	0.480678	2.26E-28	0.294118	9.00E-11	0.203489	9.33E-06
0.13502	-0.0666	0.1507	0.122015	0.0083	-0.03777	0.41545	0.119633	0.00966
7.32E-24	-0.29213	1.22E-10	-0.34774	1.01E-14	-0.44428	5.19E-24	-0.06086	0.18925
2.25E-05	-0.21925	1.72E-06	-0.22622	7.82E-07	-0.27447	1.62E-09	-0.05361	0.24762
0.79709	-0.19387	2.46E-05	-0.12414	0.00723	-0.11508	0.01283	0.051746	0.26443
0.10424	0.158657	0.00058	0.159913	0.00052	0.17795	0.00011	0.19568	2.06E-05
0.0003	0.031053	0.50322	-0.11686	0.01149	-0.1164	0.01183	0.061293	0.18608
7.77E-06	0.283451	4.45E-10	0.131237	0.0045	0.228016	6.36E-07	0.12558	0.00658
0.99975	0.138508	0.0027	-0.06324	0.17244	-0.0016	0.97254	0.253939	2.63E-08
6.06E-07	-0.0438	0.34492	-0.18982	3.65E-05	-0.21045	4.50E-06	-0.04123	0.37396
0.03467	-0.18093	8.43E-05	-0.12923	0.00516	-0.18854	4.13E-05	0.049177	0.28891
0.00881	0.103827	0.02485	-0.08739	0.05916	-0.08539	0.06524	0.215201	2.69E-06
3.31E-05	-0.03467	0.45476	-0.11896	0.01008	-0.14621	0.00153	0.118734	0.01023
0.21174	-0.10975	0.01767	-0.22608	7.95E-07	-0.20922	5.12E-06	0.327924	3.61E-13
2.68E-05	-0.17698	0.00012	0.033614	0.46866	0.043403	0.34934	0.167526	0.00028
0.18671	0.034638	0.45521	0.01677	0.71776	-0.05225	0.2598	0.251671	3.53E-08
0.00904	-0.09379	0.04279	-0.09094	0.04954	-0.12834	0.00548	0.491088	1.02E-29
0.49564	0.0455	0.32653	0.108455	0.01906	0.103561	0.02522	0.249044	4.94E-08
1.93E-05	0.165811	0.00032	0.244669	8.57E-08	0.238015	1.94E-07	0.240356	1.46E-07
9.96E-05	0.090804	0.04987	-0.17208	0.00019	-0.14931	0.00121	-0.08425	0.06891



2.06E-11	-0.24018	1.49E-07	-0.34744	1.07E-14	-0.35749	1.59E-15	0.195478	2.10E-05
0.08219	0.226273	7.78E-07	-0.00216	0.96285	0.049959	0.2813	0.039403	0.39557
7.60E-11	-0.19617	1.96E-05	-0.23787	1.98E-07	-0.31248	4.90E-12	-0.14003	0.00242
0.00728	-0.05801	0.2108	-0.15853	0.00059	-0.16859	0.00025	0.0549	0.23637
1.09E-11	-0.19806	1.62E-05	-0.37225	8.51E-17	-0.35736	1.63E-15	-0.05464	0.23862
5.68E-05	0.073419	0.11308	0.244866	8.36E-08	0.19986	1.35E-05	-0.05503	0.23529
0.80635	0.246629	6.70E-08	0.127897	0.00564	0.114276	0.01347	0.264234	6.70E-09
0.00396	0.265463	5.67E-09	0.243697	9.67E-08	0.221712	1.31E-06	0.2677	4.17E-09
0.0062	0.124272	0.00717	0.086005	0.0633	0.01197	0.79641	0.136031	0.00322
3.98E-06	0.217177	2.17E-06	0.036032	0.43727	-0.03262	0.48188	-0.05633	0.22436
0.15076	0.179217	9.86E-05	-0.03474	0.45395	0.077521	0.09428	0.120695	0.00903
0.32153	0.229813	5.16E-07	0.122963	0.00781	0.080278	0.0831	0.146861	0.00146
0.00238	-0.31054	6.73E-12	-0.13685	0.00304	-0.25401	2.61E-08	0.049746	0.28336
0.01075	0.032469	0.48395	-0.10302	0.026	-0.08614	0.06288	0.09357	0.04327
0.86469	0.011369	0.80643	-0.03405	0.46285	-0.03683	0.42718	0.14829	0.00131
0.15033	0.171051	0.0002	0.049565	0.28512	0.02934	0.52708	0.225948	8.07E-07
1.49E-06	-0.19685	1.83E-05	-0.2336	3.30E-07	-0.26314	7.78E-09	0.102797	0.02632
0.77513	0.028415	0.54018	-0.04708	0.30994	-0.02321	0.61681	0.245753	7.48E-08
0.01024	-0.10875	0.01873	-0.20893	5.28E-06	-0.19349	2.55E-05	0.069315	0.13473
0.00571	-0.21045	4.50E-06	-0.16873	0.00025	-0.20466	8.26E-06	0.026387	0.56949
0.00085	0.022082	0.63409	-0.0587	0.20541	-0.09513	0.03989	0.060784	0.18977
3.12E-07	-0.04049	0.3827	-0.16014	0.00051	-0.1927	2.76E-05	0.099089	0.03229
0.00472	-0.05728	0.21664	0.059953	0.19591	-0.05605	0.22665	-0.02772	0.5501
0.14623	0.005969	0.89764	-0.08265	0.07437	-0.08853	0.0559	0.116532	0.01173
0.79641	0.047369	0.30703	0.025476	0.58291	-0.01434	0.75733	0.189372	3.81E-05
0.0016	-0.14283	0.00197	-0.03295	0.47751	-0.1143	0.01345	0.009632	0.83554
0.00043	-0.16319	0.0004	-0.26932	3.34E-09	-0.28677	2.73E-10	-0.04141	0.37193
0.28248	0.032382	0.48512	0.022798	0.62314	-0.02455	0.59668	-0.00947	0.83821
1.48E-15	-0.31369	4.02E-12	-0.27134	2.52E-09	-0.37998	1.73E-17	0.040662	0.38064
6.70E-12	-0.18698	4.79E-05	-0.29871	4.43E-11	-0.33932	4.78E-14	0.007799	0.86651
0.00162	0.07445	0.1081	-0.08456	0.06789	-0.06993	0.13129	0.013258	0.77506
0.36267	0.214118	3.03E-06	0.074228	0.10916	0.050456	0.27653	0.346963	1.17E-14
0.0148	0.063848	0.16837	-0.00592	0.89847	-0.04592	0.32202	0.128793	0.00531
0.00281	0.006738	0.88454	-0.05558	0.2306	-0.09376	0.04284	0.114807	0.01304
0.7928	0.210228	4.60E-06	0.063499	0.17071	0.080234	0.08327	0.1735	0.00016
1.54E-11	-0.22688	7.25E-07	-0.32066	1.25E-12	-0.35802	1.44E-15	0.238954	1.73E-07
9.26E-05	0.03131	0.49969	-0.0822	0.07598	-0.12333	0.00762	0.197669	1.69E-05
0.05566	0.013218	0.77573	-0.03214	0.48839	-0.06656	0.15097	0.045659	0.32484
0.0091	-0.00787	0.86526	-0.15265	0.00094	-0.14195	0.00211	0.058668	0.20568
0.16685	0.16386	0.00038	0.104736	0.0236	0.115111	0.0128	0.168781	0.00025
0.01145	0.157719	0.00062	-0.12628	0.00628	-0.08212	0.07624	0.333768	1.29E-13
0.01233	-0.10727	0.02042	-0.15329	0.00089	-0.15646	0.00069	0.242775	1.08E-07
0.07125	0.304655	1.74E-11	0.20916	5.15E-06	0.132546	0.00411	0.344119	1.99E-14
5.12E-05	0.595896	3.16E-46	0.112491	0.01501	0.259999	1.18E-08	0.409438	2.65E-20
0.01365	0.243352	1.01E-07	0.150391	0.00111	0.174921	0.00015	0.207213	6.33E-06

0.8115	0.222834	1.15E-06	0.160883	0.00048	0.138903	0.00263	0.280802	6.55E-10
0.01421	0.106088	0.02185	0.010322	0.82395	-0.02083	0.65342	0.042577	0.35859
0.59648	0.260262	1.14E-08	0.164218	0.00037	0.135365	0.00338	0.403575	1.01E-19
0.02924	0.212562	3.58E-06	0.105164	0.02304	0.064327	0.16519	0.152705	0.00093
0.00015	-0.08368	0.07083	-0.13641	0.00314	-0.15876	0.00057	0.061247	0.18642
0.76468	0.179693	9.44E-05	0.009622	0.83571	0.05589	0.22801	0.314574	3.47E-12
0.1489	0.048318	0.29742	-0.06048	0.19199	-0.02987	0.51962	0.305866	1.43E-11
0.18235	-0.16198	0.00044	-0.06989	0.13153	-0.03611	0.43628	-0.19845	1.56E-05
0.50251	0.178428	0.00011	0.03604	0.43716	0.046992	0.3109	0.12195	0.00834
0.2773	0.033475	0.4705	-0.03447	0.45743	-0.03038	0.51258	0.13263	0.00409
0.52983	0.145765	0.00159	0.037569	0.41795	0.07756	0.09411	0.059212	0.2015
1.69E-07	-0.08831	0.05652	-0.19686	1.83E-05	-0.20799	5.83E-06	-0.08642	0.06205
0.14863	-0.00908	0.84485	-0.04498	0.33212	-0.04312	0.3525	0.044944	0.33248
0.01542	0.066274	0.15274	-0.05836	0.20809	-0.06195	0.18142	0.058707	0.20538
0.2064	0.275825	1.34E-09	0.103484	0.02533	0.131452	0.00443	0.233433	3.37E-07
0.00991	0.174232	0.00015	-0.00992	0.83066	0.000718	0.98765	0.13896	0.00262
0.01552	0.046743	0.31347	-0.06216	0.1799	-0.06722	0.14696	-0.02849	0.53914
1.24E-07	0.051341	0.26818	0.077197	0.09566	0.20958	4.93E-06	-0.07158	0.12243
0.00352	-0.12664	0.00614	0.002452	0.95786	-0.09839	0.03352	0.069225	0.13524
2.75E-06	0.280914	6.44E-10	0.211888	3.85E-06	0.236019	2.47E-07	0.257585	1.63E-08
1.08E-09	-0.17313	0.00017	-0.1283	0.00549	-0.28434	3.91E-10	-0.0104	0.82258
0.01587	-0.04236	0.36106	0.026779	0.56377	0.054315	0.24141	-0.05683	0.22028
0.00329	0.024157	0.60256	0.074125	0.10965	-0.04212	0.36382	-0.0537	0.24674
2.44E-23	0.199526	1.40E-05	0.247262	6.19E-08	0.348873	8.21E-15	0.111642	0.01579
0.52491	-0.00492	0.91554	0.001897	0.96739	-0.01282	0.78228	-0.03296	0.4773
0.85999	0.228957	5.70E-07	0.081281	0.07931	0.096576	0.03695	0.40453	8.17E-20
1.88E-05	-0.00085	0.98541	-0.23426	3.05E-07	-0.17335	0.00017	-0.22909	5.61E-07
1.47E-08	-0.13956	0.00251	-0.1213	0.00869	-0.2269	7.24E-07	0.343787	2.11E-14
0.16527	-0.08722	0.05964	-0.22462	9.39E-07	-0.13861	0.00268	0.334201	1.20E-13
0.00062	0.394994	6.90E-19	0.269494	3.26E-09	0.285147	3.47E-10	0.133127	0.00395
0.05877	-0.13977	0.00247	-0.19892	1.49E-05	-0.15431	0.00082	0.102606	0.02661
0.16436	0.140159	0.0024	-0.05647	0.22318	-0.04149	0.37102	0.29018	1.64E-10
0.95886	0.052624	0.2564	-0.14909	0.00123	-0.04019	0.38625	0.368726	1.74E-16
0.00269	-0.10867	0.01882	-0.17179	0.00019	-0.1997	1.37E-05	0.147445	0.0014
0.0001	0.003448	0.94076	-0.09369	0.04301	-0.14234	0.00205	0.371875	9.19E-17
0.0853	-0.00571	0.9021	-0.06236	0.17855	-0.06324	0.17248	0.039018	0.4002
0.13158	0.061266	0.18628	-0.17241	0.00018	-0.05633	0.22433	0.225106	8.89E-07
8.56E-09	-0.08349	0.07145	-0.21449	2.91E-06	-0.2511	3.80E-08	0.173713	0.00016
0.03664	0.037227	0.4222	-0.11061	0.01679	-0.08121	0.07958	0.251735	3.50E-08
0.06457	0.102455	0.02683	-0.07385	0.11096	-0.04023	0.38578	0.241086	1.34E-07
0.02549	-0.00809	0.8616	0.144555	0.00174	-0.02206	0.63439	0.058033	0.21064
0.94593	0.254163	2.55E-08	0.114854	0.01301	0.116329	0.01188	0.317842	2.02E-12
1.80E-07	-0.17214	0.00019	-0.25697	1.77E-08	-0.28997	1.69E-10	0.031503	0.49706
4.11E-05	-0.09829	0.0337	-0.15993	0.00052	-0.19676	1.85E-05	0.312825	4.63E-12
0.64537	0.063562	0.17028	0.00981	0.83255	0.036114	0.43622	-0.05111	0.27033

0.70986	-0.0087	0.8512	-0.00041	0.99295	-0.00713	0.87789	0.076751	0.0976
0.00148	-0.12725	0.00589	-0.04885	0.2921	-0.00642	0.88992	-0.02173	0.63944
1.78E-13	0.176528	0.00013	0.264338	6.61E-09	0.310811	6.44E-12	0.082314	0.07556
1.23E-10	-0.05678	0.22064	-0.28733	2.51E-10	-0.29113	1.42E-10	0.135953	0.00324
0.78767	0.019228	0.67855	-0.03572	0.44121	-0.00594	0.89815	0.523626	3.08E-34
0.01334	-0.09668	0.03674	-0.134	0.00372	-0.15533	0.00076	-0.03659	0.43021
0.00015	0.025914	0.57643	-0.15725	0.00065	-0.14119	0.00223	0.065324	0.15872
0.04363	0.020114	0.66462	-0.01731	0.70905	-0.05666	0.22163	0.163269	0.0004
1.43E-05	-0.07454	0.10765	0.018427	0.69124	0.06496	0.16106	0.040523	0.38227
0.0018	-0.10451	0.02391	-0.1891	3.91E-05	-0.18643	5.04E-05	0.182352	7.39E-05
0.00626	-0.10978	0.01764	-0.15925	0.00055	-0.15932	0.00055	0.031583	0.49597
0.00966	0.017225	0.71044	0.017806	0.70113	0.036588	0.43022	0.199902	1.35E-05
0.00347	0.212426	3.64E-06	0.151515	0.00102	0.177793	0.00011	0.226332	7.72E-07
0.00216	-0.04267	0.35754	-0.14685	0.00146	-0.11446	0.01333	-0.11189	0.01556
6.78E-10	0.300471	3.37E-11	0.231764	4.10E-07	0.299774	3.75E-11	0.538904	1.56E-36
4.62E-08	-0.27246	2.16E-09	-0.19698	1.81E-05	-0.2792	8.25E-10	-0.01543	0.73941
0.05864	0.016966	0.7146	0.012624	0.78556	0.053251	0.25076	0.06146	0.18489
0.00701	-0.06599	0.1545	-0.11483	0.01302	-0.14659	0.00149	-0.04934	0.28734
0.39204	0.035199	0.44794	-0.0069	0.88176	0.031141	0.50201	0.369663	1.44E-16
0.03041	0.21991	1.60E-06	0.113873	0.01381	0.084792	0.06714	0.314447	3.55E-12
3.13E-08	0.042691	0.35731	0.301706	2.77E-11	0.208355	5.61E-06	0.233624	3.29E-07
0.00125	0.006343	0.89126	-0.08748	0.0589	-0.07239	0.11824	-0.059	0.2031
3.43E-06	0.248923	5.01E-08	0.075765	0.102	0.189887	3.63E-05	0.191678	3.05E-05
4.00E-15	0.437949	2.64E-23	0.487882	2.68E-29	0.497635	1.37E-30	0.462465	3.99E-26
0.09311	0.279006	8.49E-10	-0.02775	0.54968	0.025343	0.58488	0.26495	6.08E-09
2.55E-20	0.404362	8.49E-20	0.327799	3.69E-13	0.396088	5.42E-19	0.220799	1.45E-06
4.91E-05	0.052141	0.26079	-0.05556	0.23079	-0.11218	0.01529	0.144437	0.00175
0.0364	-0.15333	0.00089	-0.11867	0.01027	-0.16795	0.00027	0.003954	0.93208
3.30E-17	0.030368	0.5127	-0.26072	1.08E-08	-0.27821	9.53E-10	0.117302	0.01118
0.00049	-0.02543	0.58352	0.034049	0.46292	0.072813	0.1161	0.129238	0.00516
0.0082	0.18959	3.73E-05	0.217829	2.02E-06	0.19355	2.54E-05	0.372057	8.86E-17
0.0639	-0.01134	0.80698	-0.06055	0.19152	-0.08648	0.06185	-0.04666	0.31432
0.56743	-0.17351	0.00016	-0.11313	0.01444	-0.10231	0.02705	0.051712	0.26474
0.00369	0.198495	1.55E-05	0.151701	0.00101	0.029247	0.52839	0.299683	3.81E-11
2.02E-05	-0.2375	2.07E-07	-0.19576	2.04E-05	-0.28306	4.71E-10	0.306242	1.35E-11
5.19E-12	-0.35529	2.43E-15	-0.27032	2.91E-09	-0.36874	1.73E-16	-0.11323	0.01435
1.04E-05	-0.21198	3.81E-06	-0.17898	0.0001	-0.23163	4.17E-07	0.146923	0.00145
0.17793	-0.11854	0.01035	-0.11003	0.01738	-0.13314	0.00395	-0.00162	0.97222
0.04755	0.112821	0.01471	0.02368	0.60975	-0.00235	0.95961	0.149055	0.00124
0.00212	0.002675	0.95402	0.022115	0.63358	-0.08904	0.0545	0.277109	1.11E-09
4.08E-08	0.142889	0.00196	-0.12383	0.00738	-0.15369	0.00086	0.241664	1.24E-07
0.95146	0.064171	0.16622	0.312472	4.91E-12	0.128881	0.00528	0.161261	0.00047
2.12E-05	0.471164	3.51E-27	0.361841	6.82E-16	0.35599	2.13E-15	0.24496	8.26E-08
0.00011	-0.04721	0.30869	-0.12352	0.00753	-0.1742	0.00015	0.065342	0.1586
5.50E-21	-0.17259	0.00018	-0.31832	1.86E-12	-0.41167	1.58E-20	0.025763	0.57866

1.22E-10	-0.22183	1.29E-06	-0.14125	0.00222	-0.24533	7.89E-08	0.168931	0.00025
1.42E-22	-0.2644	6.55E-09	-0.23873	1.78E-07	-0.39764	3.84E-19	-0.25159	3.57E-08
0.12359	0.107647	0.01998	-0.02889	0.53344	-0.03418	0.46114	0.162177	0.00043
0.00034	0.013041	0.77866	-0.09402	0.04227	-0.10266	0.02652	0.146588	0.00149
0.06808	0.233793	3.23E-07	0.15226	0.00096	0.150996	0.00106	0.284775	3.66E-10
6.72E-12	-0.16085	0.00048	-0.16359	0.00039	-0.27053	2.82E-09	0.025432	0.58355
6.01E-10	0.23436	3.02E-07	0.253942	2.63E-08	0.280384	6.96E-10	0.128672	0.00536
0.35985	0.200374	1.28E-05	0.143327	0.0019	0.132646	0.00408	0.1539	0.00085
4.79E-13	0.678043	3.68E-64	0.401057	1.79E-19	0.487414	3.08E-29	0.325309	5.67E-13
1.96E-08	-0.14302	0.00195	-0.25106	3.81E-08	-0.2836	4.36E-10	0.237071	2.18E-07
0.00166	-0.05465	0.23855	0.029245	0.52841	0.034001	0.46355	0.215989	2.47E-06
5.91E-05	0.036833	0.42713	-0.10648	0.02136	-0.13893	0.00262	0.192084	2.93E-05
0.98277	-0.11948	0.00976	-0.14104	0.00225	-0.11951	0.00974	0.327831	3.67E-13
0.01516	-0.16963	0.00023	-0.12514	0.00677	-0.13719	0.00297	-0.0417	0.36863
0.00023	-0.201	1.20E-05	-0.08556	0.06468	-0.19087	3.30E-05	0.12503	0.00682
0.51287	0.094078	0.04214	0.025055	0.58915	0.04105	0.37611	0.385018	5.97E-18
0.00101	-0.26527	5.82E-09	-0.20116	1.19E-05	-0.24271	1.09E-07	-0.05237	0.25872
9.32E-14	-0.20376	9.08E-06	-0.201	1.21E-05	-0.29735	5.48E-11	-0.02863	0.53719
0.54376	-0.11169	0.01575	-0.10898	0.01849	-0.06919	0.13543	0.321226	1.14E-12
0.00252	0.098984	0.03247	-0.00071	0.98775	-0.05552	0.23113	0.17741	0.00012
0.00531	0.133294	0.00391	-0.03223	0.48721	-0.03774	0.41581	0.186971	4.79E-05
0.82949	-0.07304	0.11497	-0.04507	0.33115	-0.07932	0.08685	0.231392	4.29E-07
0.03119	0.171794	0.00019	-0.00688	0.88212	-0.02786	0.54807	0.293435	9.99E-11
0.01909	0.211485	4.02E-06	0.066224	0.15305	0.066399	0.15196	0.284959	3.56E-10
0.65693	-0.2778	1.01E-09	-0.04319	0.35176	-0.07494	0.10578	-0.11295	0.0146
0.01102	0.142087	0.00208	0.276292	1.25E-09	0.217155	2.17E-06	0.171509	0.0002
3.40E-05	0.219727	1.63E-06	0.124298	0.00716	0.206659	6.71E-06	0.275702	1.36E-09
0.55103	-0.23852	1.83E-07	-0.1058	0.02222	-0.12892	0.00527	0.227168	7.01E-07
0.77859	-0.09213	0.0466	-0.07222	0.11909	-0.08129	0.07929	0.12042	0.00919
0.82714	-0.16742	0.00028	-0.01879	0.68552	-0.06421	0.16597	0.013589	0.7696
0.00116	0.105561	0.02252	0.193953	2.44E-05	0.201402	1.16E-05	0.126229	0.00631
0.0454	0.178522	0.0001	0.111065	0.01634	0.129711	0.00499	0.331914	1.79E-13
0.33896	0.086158	0.06283	-0.00975	0.83358	-0.02284	0.62247	0.423994	8.44E-22
0.00212	-0.08013	0.08366	-0.16831	0.00026	-0.16568	0.00032	0.006531	0.88806
5.49E-12	-0.21962	1.65E-06	-0.35846	1.32E-15	-0.36721	2.35E-16	-0.18214	7.54E-05
0.00106	-0.04422	0.34038	-0.08419	0.06911	-0.1226	0.00799	0.054031	0.24388
0.00038	-0.04085	0.37844	-0.27848	9.16E-10	-0.23606	2.46E-07	0.385049	5.93E-18
0.17645	0.1107	0.0167	-0.04625	0.31865	-0.00485	0.91668	0.145947	0.00156
0.1855	-0.11009	0.01732	0.154097	0.00083	0.041192	0.37446	-0.01432	0.75757
0.12907	0.145678	0.0016	-0.07482	0.10637	-0.03773	0.41601	0.188798	4.03E-05
5.31E-08	-0.16864	0.00025	-0.20834	5.62E-06	-0.26981	3.12E-09	-0.09826	0.03377
0.07845	0.191588	3.08E-05	0.331104	2.07E-13	0.19897	1.48E-05	0.122555	0.00802
0.7121	0.244996	8.22E-08	0.057975	0.2111	0.070177	0.12994	0.184327	6.15E-05
4.62E-06	-0.00665	0.88609	-0.12281	0.00789	-0.18047	8.79E-05	0.164347	0.00036
0.98311	0.055569	0.23069	-0.13377	0.00378	-0.07158	0.12242	0.159647	0.00053

3.71E-06	-0.3095	7.98E-12	-0.24172	1.23E-07	-0.31984	1.44E-12	-0.08202	0.07663
0.02456	0.128398	0.00546	-0.01664	0.71979	-0.02743	0.55437	0.188338	4.21E-05
0.00224	0.255032	2.28E-08	0.164019	0.00037	0.190247	3.50E-05	0.327617	3.81E-13
0.0023	0.130259	0.00481	-0.01718	0.71109	-0.03876	0.40335	0.071542	0.12262
0.76552	0.248337	5.40E-08	0.070698	0.1271	0.092559	0.04559	0.202386	1.05E-05
0.39121	-0.03772	0.41614	-0.02212	0.63355	-0.04813	0.29931	0.068277	0.14068
1.63E-17	-0.21978	1.62E-06	-0.26113	1.02E-08	-0.37816	2.53E-17	0.129861	0.00494
0.60886	0.328976	3.00E-13	0.180214	9.00E-05	0.191349	3.15E-05	0.242636	1.10E-07
0.60282	0.221167	1.39E-06	0.075658	0.10248	0.09336	0.04375	0.294841	8.06E-11
0.17988	-0.21053	4.46E-06	-0.22077	1.45E-06	-0.17062	0.00021	0.083731	0.07064
1.40E-10	-0.19103	3.25E-05	-0.22782	6.50E-07	-0.32345	7.80E-13	0.163937	0.00037
0.07029	0.000676	0.98838	-0.02383	0.60746	-0.06748	0.1454	0.119749	0.00959
0.00028	-0.10029	0.03024	-0.1437	0.00185	-0.17441	0.00015	0.040371	0.38406
0.00388	-0.01827	0.6938	-0.01838	0.69202	-0.08662	0.06143	0.096101	0.03789
2.10E-05	0.151791	0.001	0.019575	0.67308	-0.04129	0.37329	0.167306	0.00028
0.0112	0.157072	0.00066	-0.00066	0.98858	0.011732	0.80038	0.077113	0.09602
0.50346	0.25356	2.76E-08	0.068121	0.1416	0.060582	0.19126	0.197465	1.72E-05
0.00024	0.233567	3.31E-07	0.275665	1.37E-09	0.219616	1.65E-06	0.066875	0.14904
0.00411	-0.02717	0.55815	-0.05167	0.26512	-0.13251	0.00412	-0.0281	0.54474
0.10614	0.230795	4.60E-07	0.127779	0.00569	0.164852	0.00035	-0.01727	0.70965
0.00086	0.164259	0.00036	0.275509	1.40E-09	0.250378	4.16E-08	0.063978	0.1675
1.74E-13	-0.13612	0.0032	-0.267	4.60E-09	-0.31083	6.42E-12	0.257583	1.63E-08
1.82E-09	-0.20026	1.30E-05	-0.20889	5.30E-06	-0.30943	8.06E-12	0.049505	0.2857
0.00043	-0.05257	0.25692	0.122351	0.00812	0.141226	0.00222	0.09499	0.04018
0.22808	0.06768	0.1442	0.074928	0.10585	0.08459	0.06779	0.018632	0.68798
0.47228	0.087946	0.05755	0.077049	0.0963	0.037676	0.41662	0.156172	0.00071
0.98147	-0.11491	0.01296	-0.13792	0.00282	-0.12201	0.0083	0.061852	0.1821
8.03E-05	0.000732	0.98741	-0.08426	0.06889	-0.12665	0.00613	0.120969	0.00888
0.00559	0.134442	0.00361	-0.08137	0.07897	-0.08832	0.05648	0.163744	0.00038
5.41E-09	-0.06266	0.17643	-0.12014	0.00936	-0.20532	7.72E-06	0.130792	0.00464
6.10E-09	0.142413	0.00204	0.343463	2.24E-14	0.311834	5.45E-12	0.234722	2.89E-07
0.12752	0.095109	0.03993	0.068502	0.13938	-0.04984	0.28247	0.313809	3.94E-12
0.037	-0.04053	0.38218	-0.03503	0.45019	-0.00304	0.9478	-0.08199	0.07671
0.23184	0.009653	0.83519	0.051132	0.27014	0.042568	0.35869	-0.02035	0.66088
0.57723	0.055436	0.23182	-0.01742	0.70728	-0.01472	0.7511	0.27655	1.21E-09
0.62018	0.116313	0.01189	0.006284	0.89227	0.028333	0.54135	0.442739	7.72E-24
1.15E-08	-0.39064	1.78E-18	-0.36274	5.72E-16	-0.4375	2.95E-23	0.06181	0.18239
0.12596	0.213596	3.20E-06	0.070279	0.12938	0.113207	0.01438	0.476627	7.34E-28
0.00118	0.025087	0.58867	0.046125	0.31992	0.085569	0.06466	0.494901	3.18E-30
0.05684	-0.07524	0.10442	-0.08243	0.07515	-0.0939	0.04254	0.057791	0.21255
0.08426	0.247204	6.23E-08	0.125273	0.00672	0.113002	0.01455	0.177364	0.00012
0.03637	0.126335	0.00626	0.189055	3.93E-05	0.159056	0.00056	0.008035	0.86252
0.00027	0.197701	1.68E-05	0.27149	2.47E-09	0.254748	2.37E-08	0.126775	0.00608
0.13878	0.127593	0.00576	0.114596	0.01321	0.063835	0.16845	0.180911	8.44E-05
0.16334	0.313103	4.43E-12	0.073064	0.11484	0.137827	0.00284	0.289398	1.84E-10

1.04E-05	-0.03634	0.43333	-0.09045	0.05077	0.055662	0.22991	-0.11678	0.01155
0.00196	-0.08172	0.0777	-0.21885	1.80E-06	-0.20287	9.95E-06	-0.07362	0.11207
0.02135	0.209019	5.23E-06	0.025885	0.57686	0.015154	0.74396	0.121946	0.00834
0.02991	-0.03002	0.51752	0.041066	0.37592	0.044799	0.33404	0.25003	4.35E-08
5.61E-10	-0.21696	2.22E-06	-0.30457	1.76E-11	-0.34212	2.87E-14	0.186096	5.21E-05
0.27355	0.174745	0.00015	0.06642	0.15183	0.076701	0.09782	0.274549	1.60E-09
3.44E-13	0.043387	0.34951	0.228978	5.69E-07	0.252128	3.32E-08	0.148954	0.00125
0.95197	-0.07526	0.10429	-0.02566	0.58024	-0.01049	0.82114	0.249846	4.46E-08
0.3586	0.054679	0.23826	0.096814	0.03649	0.098859	0.03269	0.281435	5.97E-10
0.17247	0.108148	0.0194	0.051498	0.26673	0.049595	0.28482	0.29738	5.45E-11
3.95E-06	0.240492	1.44E-07	0.187462	4.57E-05	0.22809	6.30E-07	0.206367	6.92E-06
0.0001	-0.00754	0.87095	-0.10211	0.02736	-0.13202	0.00426	0.17349	0.00016
0.57677	0.157882	0.00062	0.071521	0.12273	0.060036	0.19529	0.014633	0.75247
0.99751	0.125888	0.00645	0.187066	4.75E-05	0.075745	0.10209	-0.07191	0.12071
1.57E-05	-0.19158	3.08E-05	-0.15132	0.00104	-0.23532	2.69E-07	0.28315	4.65E-10
0.62565	0.237674	2.02E-07	0.14069	0.00231	0.10087	0.02929	0.199127	1.46E-05
0.07335	0.236593	2.31E-07	0.149113	0.00123	0.167468	0.00028	0.639697	4.15E-55
0.00038	-0.13366	0.00381	-0.11617	0.01199	-0.16517	0.00034	0.020129	0.66439
0.01325	-0.04162	0.36956	-0.1004	0.03005	-0.12765	0.00574	0.190915	3.28E-05
0.86974	0.173158	0.00017	0.004391	0.9246	0.002391	0.95891	0.278127	9.64E-10
0.21448	0.0896	0.05299	-0.01512	0.74445	-0.03709	0.42386	0.186478	5.02E-05
0.40154	0.133617	0.00382	0.077727	0.0934	0.024591	0.59606	0.193929	2.45E-05
3.73E-05	-0.08514	0.06601	-0.10307	0.02593	-0.17128	0.0002	0.146544	0.0015
0.00043	0.114697	0.01313	0.029087	0.53064	-0.04168	0.36881	0.138878	0.00263
3.50E-07	-0.172	0.00019	-0.20874	5.39E-06	-0.28182	5.65E-10	0.155916	0.00072
7.45E-05	0.047089	0.3099	-0.06303	0.17389	-0.11094	0.01647	0.184757	5.91E-05
0.00161	-0.38588	4.97E-18	-0.29004	1.67E-10	-0.32399	7.11E-13	0.046919	0.31165
0.00172	-0.22802	6.35E-07	-0.19322	2.62E-05	-0.2424	1.14E-07	0.19164	3.06E-05
0.09624	-0.1394	0.00254	-0.12145	0.00861	-0.14851	0.00129	0.067023	0.14814
0.15879	-0.18932	3.83E-05	-0.04817	0.29891	-0.12249	0.00805	0.259105	1.33E-08
0.9073	-0.00165	0.97161	0.047518	0.30551	-0.00291	0.95006	0.085512	0.06484
3.90E-10	-0.0785	0.09019	-0.29187	1.27E-10	-0.30039	3.41E-11	-0.01763	0.70398
0.00546	0.41485	7.51E-21	0.073882	0.11082	0.177655	0.00011	0.181931	7.68E-05
0.46125	0.142231	0.00206	-0.00774	0.86749	0.011743	0.80019	0.244127	9.17E-08
0.07365	-0.16197	0.00044	-0.28209	5.43E-10	-0.1997	1.37E-05	0.14607	0.00155
0.00495	-0.04266	0.35765	-0.05135	0.26808	-0.10009	0.03058	0.054969	0.23578
4.39E-18	-0.22111	1.40E-06	-0.32457	6.44E-13	-0.39124	1.57E-18	-0.17395	0.00016
0.04288	-0.04128	0.37341	-0.08498	0.06654	-0.10313	0.02584	0.19537	2.12E-05
1.08E-07	0.178239	0.00011	0.157294	0.00065	0.226451	7.62E-07	0.324755	6.24E-13
8.49E-08	-0.30344	2.11E-11	-0.14413	0.00179	-0.2475	6.00E-08	-0.07604	0.10074
1.77E-05	0.095512	0.03909	-0.10426	0.02425	-0.13285	0.00403	0.349262	7.63E-15
2.20E-09	0.399901	2.32E-19	0.411753	1.55E-20	0.400876	1.87E-19	0.295329	7.48E-11
0.66289	0.087246	0.05957	0.030633	0.50902	0.024064	0.60396	0.024636	0.59538
0.51381	0.210666	4.39E-06	0.27415	1.70E-09	0.138087	0.00279	0.244357	8.91E-08
0.06555	-0.07478	0.10654	0.034122	0.46196	-0.02383	0.6075	0.188874	4.00E-05

0.01579	0.102198	0.02722	0.068166	0.14133	0.107025	0.02071	0.171284	0.0002
3.48E-07	-0.21802	1.97E-06	-0.22318	1.11E-06	-0.27981	7.56E-10	-0.06731	0.14644
0.39843	0.032372	0.48526	0.036096	0.43645	0.015806	0.73335	0.225061	8.94E-07
0.18794	-0.19123	3.18E-05	-0.21048	4.48E-06	-0.19436	2.34E-05	0.05667	0.22157
0.28588	0.186551	4.99E-05	0.062179	0.17979	0.115362	0.01261	0.332249	1.69E-13
0.11293	-0.02762	0.55165	0.066674	0.15027	0.03752	0.41856	0.130265	0.00481
0.52408	0.042692	0.35729	0.075238	0.10441	0.077611	0.09389	0.244269	9.00E-08
0.05417	0.026415	0.56908	-0.09975	0.03114	-0.00305	0.94755	-0.04889	0.29171
0.16711	-0.05646	0.22327	-0.10225	0.02714	-0.10148	0.02832	-0.02287	0.62201
0.30828	0.042683	0.3574	-0.06427	0.16554	-0.02822	0.54302	0.25168	3.52E-08
0.07261	-0.19247	2.82E-05	-0.0572	0.21725	-0.11422	0.01352	0.23738	2.10E-07
0.31701	0.068247	0.14086	0.109	0.01846	0.090661	0.05023	-0.17731	0.00012
0.00482	-0.0769	0.09696	-0.05351	0.24844	-0.08866	0.05555	0.221872	1.28E-06
6.11E-06	0.218299	1.91E-06	0.196901	1.82E-05	0.235308	2.69E-07	0.264435	6.52E-09
0.42633	-0.16593	0.00032	-0.06425	0.16573	-0.04487	0.33332	-0.10362	0.02514
0.00406	0.118217	0.01056	-0.00783	0.86604	-0.02308	0.61883	0.151829	0.001
0.00391	0.096322	0.03745	-0.06347	0.17092	-0.07967	0.08547	0.224853	9.15E-07
0.97287	-0.16315	0.0004	-0.17007	0.00022	-0.11968	0.00963	0.09423	0.04181
0.02546	0.218624	1.85E-06	0.102698	0.02647	0.133059	0.00397	0.133447	0.00386
0.0242	-0.1481	0.00133	-0.32008	1.38E-12	-0.24287	1.07E-07	0.14494	0.00169
0.03123	0.266303	5.06E-09	0.212667	3.54E-06	0.204397	8.50E-06	0.159355	0.00055
6.08E-09	0.173843	0.00016	0.279703	7.68E-10	0.29137	1.37E-10	0.297001	5.78E-11
8.38E-12	-0.27056	2.81E-09	-0.4157	6.15E-21	-0.43986	1.62E-23	-0.10075	0.02948
5.54E-05	0.09516	0.03982	-0.2183	1.91E-06	-0.18751	4.55E-05	0.267093	4.54E-09
0.22554	0.182707	7.15E-05	0.020353	0.66088	0.029974	0.51817	0.228737	5.85E-07
1.87E-05	-0.04744	0.30625	-0.08642	0.06202	-0.15529	0.00076	0.176249	0.00013
1.01E-11	0.374741	5.12E-17	0.317504	2.13E-12	0.377366	2.98E-17	0.200884	1.22E-05
0.00113	-0.24824	5.46E-08	-0.1845	6.05E-05	-0.27224	2.22E-09	0.144686	0.00172
4.49E-12	-0.23046	4.78E-07	-0.3852	5.75E-18	-0.39945	2.57E-19	0.025181	0.58727
6.78E-05	-0.00298	0.94878	-0.07385	0.11096	-0.13057	0.00471	0.180819	8.51E-05
0.00399	0.080052	0.08398	-0.02488	0.59171	-0.06355	0.17035	0.215938	2.48E-06
1.09E-05	0.217328	2.13E-06	0.192151	2.91E-05	0.2418	1.22E-07	0.237674	2.02E-07
1.36E-08	-0.06382	0.16855	-0.14086	0.00228	-0.22758	6.69E-07	0.215808	2.52E-06
1.90E-15	0.354633	2.76E-15	0.150674	0.00109	0.3518	4.73E-15	0.364578	3.98E-16
1.78E-06	-0.21983	1.61E-06	0.126191	0.00632	-0.12997	0.00491	-0.09099	0.04941
0.0308	0.066935	0.14868	0.043673	0.34634	-0.02416	0.60247	0.237065	2.18E-07
0.07017	0.146725	0.00148	0.236502	2.33E-07	0.139641	0.00249	0.193736	2.49E-05
0.00165	0.079646	0.08556	-0.02427	0.6008	-0.05878	0.20483	0.133707	0.0038
0.4848	-0.06826	0.1408	-0.31725	2.23E-12	-0.17739	0.00012	0.071368	0.12353
6.31E-09	-0.02913	0.53005	-0.12223	0.00819	-0.20631	6.96E-06	-0.06968	0.13269
0.02184	0.159048	0.00056	-0.00751	0.87141	0.005116	0.91221	0.254304	2.51E-08
0.01464	-0.03143	0.49806	-0.15708	0.00066	-0.14172	0.00214	0.177691	0.00011
0.00018	-0.03905	0.39982	-0.04083	0.37873	-0.12033	0.00924	0.164013	0.00037
1.43E-07	0.000305	0.99476	-0.1885	4.14E-05	-0.22882	5.79E-07	0.120342	0.00924
0.49117	0.071853	0.121	0.13417	0.00367	0.034286	0.45982	0.294113	9.01E-11

2.86E-05	-0.21274	3.51E-06	-0.0482	0.29861	-0.21166	3.95E-06	-0.17595	0.00013
0.02746	0.357697	1.53E-15	-0.03403	0.46314	0.010435	0.82205	0.160247	0.00051
0.14179	-0.08316	0.07259	0.067552	0.14496	0.02785	0.54828	0.057577	0.21425
0.67404	-0.17746	0.00012	-0.0814	0.07886	-0.10028	0.03025	-0.11578	0.01229
9.63E-10	0.249405	4.71E-08	0.112129	0.01534	0.230407	4.81E-07	0.134444	0.00361
0.13902	0.070264	0.12946	-0.04449	0.3374	0.022953	0.62077	0.248477	5.30E-08
0.02058	0.090594	0.0504	0.058387	0.20787	0.027255	0.55686	0.26378	7.13E-09
0.21463	0.064176	0.16618	-0.13169	0.00436	-0.08128	0.0793	0.048456	0.29604
0.08993	0.291526	1.34E-10	0.153562	0.00087	0.159498	0.00054	0.277494	1.06E-09
0.0003	0.009103	0.84445	-0.02554	0.58196	-0.1004	0.03005	0.234047	3.13E-07
1.08E-10	-0.35942	1.09E-15	-0.43578	4.57E-23	-0.42099	1.74E-21	-0.23698	2.20E-07
1.62E-15	-0.03643	0.43225	-0.1414	0.00219	-0.27788	9.99E-10	-0.0016	0.97255
0.01447	-0.07797	0.09237	0.096216	0.03766	-0.05135	0.26813	0.05115	0.26998
0.01134	-0.06908	0.13604	0.063843	0.1684	-0.08844	0.05617	0.052352	0.25886
1.00E-10	-0.29315	1.04E-10	-0.25355	2.77E-08	-0.33987	4.32E-14	0.017056	0.71315
1.52E-05	-0.12228	0.00816	-0.13882	0.00264	-0.22925	5.51E-07	0.260717	1.08E-08
0.00232	-0.18385	6.43E-05	-0.18214	7.54E-05	-0.21321	3.34E-06	0.24382	9.52E-08
3.53E-05	0.445681	3.60E-24	0.348877	8.21E-15	0.338252	5.79E-14	0.083099	0.0728
0.00293	-0.03861	0.40515	0.04902	0.29045	0.08639	0.06213	0.084565	0.06787
0.00026	0.061713	0.18308	-0.07959	0.08578	-0.10154	0.02823	0.226861	7.27E-07
1.27E-06	-0.01642	0.72336	-0.03759	0.41774	-0.14329	0.00191	0.096462	0.03717
7.03E-08	0.356484	1.93E-15	0.086485	0.06184	0.245284	7.93E-08	0.310474	6.80E-12
0.0003	0.113525	0.0141	-0.07103	0.12533	0.095694	0.03872	-0.02612	0.57334
0.01237	-0.22008	1.57E-06	-0.12811	0.00556	-0.18537	5.57E-05	-0.11756	0.01101
0.00028	0.072524	0.11755	-0.05297	0.25326	-0.08353	0.07132	-0.06936	0.1345
0.02728	-0.00601	0.89698	-0.05084	0.27286	-0.06851	0.13932	0.216723	2.28E-06
0.00079	0.022012	0.63517	-0.08776	0.05808	-0.12778	0.00569	0.136583	0.0031
0.03063	-0.05919	0.20167	-0.07398	0.11034	-0.082	0.07668	-0.05697	0.21914
0.82084	-0.10653	0.02131	0.067463	0.14549	0.040214	0.38591	0.087251	0.05956
0.00019	-0.22629	7.76E-07	-0.28196	5.53E-10	-0.2888	2.01E-10	-0.03054	0.51025
1.35E-06	-0.15634	0.0007	-0.302	2.65E-11	-0.31256	4.84E-12	0.166053	0.00031
0.06802	-0.09292	0.04474	-0.14327	0.00191	-0.1944	2.33E-05	-0.13488	0.0035
0.09761	0.064571	0.16359	-0.06248	0.17769	-0.09298	0.04462	0.078739	0.0892
5.77E-09	-0.4057	6.25E-20	-0.38052	1.54E-17	-0.42605	5.12E-22	-0.06956	0.13333
0.67332	0.106983	0.02076	-0.07623	0.09991	-0.05078	0.27348	0.16093	0.00048
1.50E-22	-0.17062	0.00021	-0.30238	2.49E-11	-0.39881	2.96E-19	-0.19428	2.36E-05
0.00069	0.325126	5.85E-13	0.249237	4.82E-08	0.240925	1.36E-07	0.044339	0.33903
2.69E-05	-0.00722	0.87637	-0.04815	0.29914	-0.1623	0.00043	-0.01472	0.75098
0.53991	0.27703	1.13E-09	0.151738	0.001	0.078907	0.08852	-0.11311	0.01446
0.00181	0.015704	0.73501	-0.2624	8.59E-09	-0.19737	1.74E-05	-0.03053	0.51044
1.73E-09	-0.28061	6.73E-10	-0.25478	2.36E-08	-0.35551	2.33E-15	-0.0942	0.04188
4.37E-13	-0.11995	0.00947	-0.1217	0.00847	-0.26741	4.35E-09	-0.10265	0.02653
1.32E-12	-0.32594	5.09E-13	-0.40582	6.09E-20	-0.44867	1.65E-24	-0.16638	0.0003
1.58E-11	-0.16049	0.0005	-0.26804	3.98E-09	-0.32343	7.83E-13	0.135029	0.00346
8.92E-05	-0.15889	0.00057	-0.25824	1.50E-08	-0.26822	3.88E-09	-0.14717	0.00143



2.26E-06	-0.09689	0.03634	-0.29949	3.93E-11	-0.28237	5.21E-10	0.092377	0.04602
5.31E-05	0.014214	0.75933	-0.06858	0.1389	-0.16743	0.00028	-0.02048	0.65892
0.00808	0.312593	4.81E-12	0.145172	0.00166	0.161539	0.00046	0.23792	1.96E-07
0.00068	-0.10527	0.0229	-0.28807	2.25E-10	-0.26638	5.01E-09	-0.06058	0.19129
0.52551	0.200201	1.31E-05	0.315617	2.92E-12	0.177205	0.00012	0.026771	0.56388
4.44E-14	-0.28127	6.12E-10	-0.35448	2.84E-15	-0.39184	1.38E-18	-0.21905	1.76E-06
0.01883	0.16394	0.00037	0.105792	0.02223	0.000171	0.99706	0.093974	0.04237
0.02322	0.298359	4.68E-11	0.118549	0.01035	0.164987	0.00034	0.091537	0.04804
1.49E-23	-0.30479	1.70E-11	-0.35608	2.09E-15	-0.47364	1.73E-27	-0.21879	1.81E-06
6.49E-12	-0.00216	0.96289	-0.04752	0.30553	-0.18943	3.79E-05	-0.14721	0.00142
5.88E-18	-0.38608	4.76E-18	-0.42923	2.35E-22	-0.49486	3.23E-30	-0.21331	3.31E-06
0.17432	0.037967	0.41303	0.107795	0.01981	0.018712	0.68671	0.101508	0.02828
6.74E-05	-0.24574	7.50E-08	-0.14571	0.00159	-0.24505	8.17E-08	-0.14714	0.00143
1.92E-11	-0.08421	0.06903	-0.23341	3.38E-07	-0.30035	3.43E-11	-0.13446	0.0036
7.27E-24	-0.4445	4.90E-24	-0.49595	2.31E-30	-0.55203	1.33E-38	-0.43831	2.41E-23
0.0009	0.332316	1.67E-13	0.104643	0.02373	0.126805	0.00607	0.045518	0.32634
4.39E-18	-0.22533	8.67E-07	-0.35179	4.74E-15	-0.42583	5.39E-22	-0.07481	0.10638
4.05E-14	-0.28286	4.85E-10	-0.39924	2.69E-19	-0.41036	2.14E-20	-0.03947	0.3948
0.00015	0.137742	0.00286	-0.04133	0.37289	0.073458	0.11289	-0.01367	0.76829
2.23E-17	-0.23035	4.84E-07	-0.42878	2.62E-22	-0.45831	1.25E-25	-0.15342	0.00088
2.11E-10	-0.23478	2.87E-07	-0.32491	6.08E-13	-0.37219	8.62E-17	-0.06757	0.14488
9.78E-10	-0.05851	0.20693	-0.15509	0.00077	-0.21195	3.83E-06	-0.29226	1.19E-10
1.82E-05	-0.14978	0.00117	-0.1781	0.00011	-0.23523	2.72E-07	-0.11063	0.01677
5.92E-19	-0.05738	0.21584	-0.29091	1.47E-10	-0.37154	9.83E-17	-0.13723	0.00296
0.22406	0.023494	0.61257	0.000519	0.99108	-0.07844	0.09044	-0.00553	0.90505
0.1461	0.141366	0.0022	-0.09085	0.04976	-0.03901	0.40028	0.229215	5.53E-07
6.11E-15	-0.31335	4.25E-12	-0.47954	3.15E-28	-0.4725	2.40E-27	-0.06679	0.14957
0.48178	0.154053	0.00084	-0.01089	0.81442	0.006089	0.89559	0.086501	0.06179
2.79E-06	-0.13958	0.0025	-0.08137	0.07899	-0.21614	2.43E-06	-0.11356	0.01407
1.71E-23	-0.30419	1.87E-11	-0.38527	5.66E-18	-0.48764	2.88E-29	-0.13637	0.00315
3.91E-12	-0.41388	9.43E-21	-0.42686	4.20E-22	-0.48019	2.61E-28	-0.02358	0.61125
0.10428	-0.07522	0.10447	-0.27734	1.08E-09	-0.19352	2.55E-05	0.010451	0.82179
0.47006	0.030778	0.50702	-0.14453	0.00174	-0.10734	0.02034	-0.06615	0.15351
2.96E-08	-0.28935	1.86E-10	-0.24587	7.37E-08	-0.30816	9.90E-12	-0.07625	0.09982
0.00139	-0.19202	2.95E-05	-0.11553	0.01248	-0.15225	0.00096	-0.04592	0.32209
0.00391	-0.18228	7.44E-05	-0.13294	0.004	-0.18394	6.37E-05	-0.02828	0.54217
0.42022	-0.10089	0.02927	0.007836	0.86589	-0.06076	0.18996	-0.02472	0.5941
0.01447	-0.24501	8.21E-08	-0.15684	0.00067	-0.18681	4.87E-05	-0.00701	0.8799
0.00376	-0.16037	0.0005	-0.0985	0.03333	-0.15809	0.00061	0.041909	0.36619
3.47E-15	-0.30114	3.03E-11	-0.3331	1.45E-13	-0.38199	1.13E-17	-0.2846	3.76E-10
0.00117	-0.28049	6.85E-10	-0.19736	1.74E-05	-0.22245	1.20E-06	-0.0298	0.52058
3.68E-05	-0.22309	1.12E-06	-0.19269	2.76E-05	-0.24627	7.01E-08	-0.05124	0.26909
3.42E-06	-0.22591	8.10E-07	-0.18743	4.59E-05	-0.23765	2.03E-07	-0.07025	0.12955
0.00145	-0.0738	0.1112	-0.09904	0.03236	-0.13513	0.00344	-0.01504	0.74577
3.55E-05	-0.18212	7.55E-05	-0.13915	0.00258	-0.21226	3.70E-06	-0.02995	0.51858

1.91E-06	-0.21775	2.03E-06	-0.18755	4.53E-05	-0.24201	1.19E-07	-0.10862	0.01888
0.00365	-0.13001	0.00489	-0.10249	0.02678	-0.14197	0.0021	-0.06279	0.17554
6.89E-07	-0.25172	3.50E-08	-0.21038	4.53E-06	-0.26756	4.26E-09	-0.07063	0.12746
0.07862	-0.2442	9.09E-08	-0.13706	0.003	-0.16784	0.00027	-0.05177	0.26419
2.95E-08	-0.2331	3.50E-07	-0.21218	3.73E-06	-0.29907	4.19E-11	0.00775	0.86735
6.42E-07	-0.2759	1.33E-09	-0.18748	4.56E-05	-0.2503	4.21E-08	-0.04242	0.36038
0.00935	-0.16758	0.00028	-0.10652	0.02132	-0.14443	0.00175	-0.12005	0.00941
0.01248	-0.16537	0.00033	-0.098	0.03424	-0.12089	0.00892	-0.01118	0.80966
0.00632	-0.13348	0.00386	-0.12282	0.00788	-0.14299	0.00195	-0.00256	0.95601
0.1201	-0.18436	6.13E-05	-0.16185	0.00045	-0.17056	0.00021	-0.00292	0.94979
0.34493	-0.231	4.49E-07	-0.06928	0.13495	-0.10233	0.02702	-0.02803	0.54567
0.0003	-0.19437	2.34E-05	-0.13977	0.00247	-0.201	1.20E-05	-0.0204	0.66011
0.1917	-0.23376	3.24E-07	-0.20576	7.38E-06	-0.18719	4.69E-05	-0.05387	0.24525
1.15E-05	-0.32202	9.96E-13	-0.22853	5.99E-07	-0.30277	2.34E-11	-0.06345	0.17103
2.87E-05	-0.22054	1.49E-06	-0.18642	5.05E-05	-0.22672	7.39E-07	-0.15872	0.00058
1.46E-19	-0.40749	4.16E-20	-0.26601	5.26E-09	-0.41237	1.34E-20	-0.45984	8.21E-26
4.85E-05	-0.26006	1.17E-08	-0.17731	0.00012	-0.23602	2.47E-07	-0.09287	0.04488
0.29212	-0.08134	0.07909	-0.03175	0.49363	-0.07877	0.08907	-0.03161	0.49558
0.20024	-0.07073	0.12693	-0.06071	0.1903	-0.06127	0.18624	-0.03691	0.42619
5.94E-08	-0.28058	6.77E-10	-0.20663	6.73E-06	-0.2909	1.47E-10	-0.13274	0.00406
0.46227	-0.0566	0.22217	-0.04597	0.32151	-0.03752	0.41856	-0.11059	0.01681
2.14E-07	-0.25853	1.44E-08	-0.19046	3.43E-05	-0.26546	5.67E-09	-0.1043	0.02419
1.50E-08	-0.36039	9.06E-16	-0.32564	5.36E-13	-0.38197	1.14E-17	-0.15877	0.00057
0.04371	-0.10391	0.02474	-0.10146	0.02836	-0.12282	0.00788	-0.00737	0.87372
5.06E-06	-0.25599	2.01E-08	-0.20149	1.15E-05	-0.28092	6.44E-10	-0.02038	0.6605
5.99E-06	-0.2139	3.10E-06	-0.12319	0.00769	-0.22582	8.19E-07	-0.04275	0.35665
1.37E-05	-0.22827	6.17E-07	-0.20889	5.31E-06	-0.24497	8.26E-08	-0.10366	0.02507
0.17093	-0.286	3.06E-10	-0.08241	0.07521	-0.1716	0.00019	0.004166	0.92845
4.47E-07	-0.28913	1.92E-10	-0.23523	2.72E-07	-0.28382	4.21E-10	-0.07437	0.10849
1.87E-06	-0.25428	2.52E-08	-0.19911	1.46E-05	-0.251	3.84E-08	-0.07925	0.08714
0.00021	-0.15955	0.00054	-0.1424	0.00204	-0.1521	0.00098	-0.02563	0.58065
7.80E-06	-0.24132	1.30E-07	-0.18994	3.61E-05	-0.25061	4.04E-08	-0.06213	0.18011
0.03896	-0.17122	0.0002	-0.1453	0.00164	-0.18423	6.21E-05	-0.04427	0.33982
0.0863	-0.13396	0.00373	-0.08304	0.07302	-0.12153	0.00856	-0.01394	0.7639
0.00024	-0.17808	0.00011	-0.15764	0.00063	-0.18717	4.70E-05	-0.04363	0.34684
0.00044	-0.27548	1.41E-09	-0.18631	5.10E-05	-0.21831	1.91E-06	-0.0771	0.09606
0.02207	-0.19791	1.65E-05	-0.10806	0.0195	-0.1532	0.0009	-0.08067	0.08162
0.4496	-0.08007	0.08392	-0.0209	0.65242	-0.03732	0.42107	-0.12517	0.00676
0.07008	-0.16632	0.00031	-0.07052	0.12808	-0.13681	0.00305	-0.00254	0.95633
0.00104	-0.22671	7.39E-07	-0.10686	0.02091	-0.18081	8.52E-05	-0.05806	0.21046
6.66E-05	-0.23099	4.49E-07	-0.12264	0.00797	-0.20977	4.83E-06	-0.10874	0.01874
8.09E-09	-0.38526	5.68E-18	-0.29779	5.11E-11	-0.36661	2.66E-16	-0.12079	0.00898
0.08392	-0.02902	0.53162	-0.06339	0.17146	-0.07097	0.12564	0.010362	0.82327
0.00047	-0.18431	6.16E-05	-0.14761	0.00138	-0.17056	0.00021	-0.03883	0.40249
0.12829	-0.11298	0.01457	-0.10252	0.02673	-0.10793	0.01965	-0.03678	0.42786

2.87E-10	-0.3406	3.79E-14	-0.28788	2.31E-10	-0.35054	6.00E-15	-0.09053	0.05057
1.42E-07	-0.27231	2.20E-09	-0.22038	1.52E-06	-0.26636	5.02E-09	-0.09265	0.04538
0.00346	-0.16723	0.00028	-0.07139	0.1234	-0.15658	0.00068	-0.15145	0.00103
0.11382	-0.09412	0.04205	-0.04242	0.36036	-0.0642	0.16605	-0.05459	0.23902
0.05904	0.092853	0.04491	-0.02795	0.54684	0.06395	0.16768	0.140118	0.00241
7.93E-05	-0.22702	7.13E-07	-0.16197	0.00044	-0.2121	3.76E-06	-0.05957	0.1988
1.12E-07	-0.29532	7.49E-11	-0.25482	2.35E-08	-0.30952	7.94E-12	-0.08387	0.07017
0.00027	-0.28263	5.02E-10	-0.17087	0.00021	-0.22857	5.96E-07	-0.16481	0.00035
0.1415	-0.03772	0.41604	0.020324	0.66133	0.051783	0.26408	-0.02625	0.57148
0.13198	-0.19519	2.16E-05	-0.109	0.01846	-0.10109	0.02894	-0.02005	0.66564
3.42E-05	-0.30052	3.34E-11	-0.18654	4.99E-05	-0.253	2.97E-08	-0.0431	0.35268
0.67757	-0.13778	0.00285	-0.09204	0.04681	-0.04674	0.31346	-0.04851	0.29555
0.00577	-0.14704	0.00144	-0.13667	0.00308	-0.17528	0.00014	0.006849	0.88265
0.03574	-0.13438	0.00362	-0.05695	0.21926	-0.10763	0.02	0.133034	0.00398
6.51E-06	-0.28626	2.94E-10	-0.22276	1.16E-06	-0.26915	3.42E-09	-0.06068	0.19054
0.16229	-0.08071	0.08146	-0.08179	0.07744	-0.08827	0.05664	-0.07402	0.11015
0.01675	-0.0995	0.03157	-0.08626	0.06252	-0.10592	0.02206	-0.06401	0.16727
3.16E-05	-0.2173	2.14E-06	-0.17501	0.00014	-0.24484	8.38E-08	-0.06136	0.18557
2.98E-08	-0.28907	1.93E-10	-0.25559	2.12E-08	-0.31055	6.72E-12	-0.06304	0.1738
1.45E-07	-0.27789	9.97E-10	-0.23548	2.64E-07	-0.29618	6.56E-11	-0.08102	0.0803
0.03619	-0.12364	0.00747	-0.11908	0.01	-0.12553	0.0066	0.002194	0.96229
0.00041	-0.18215	7.53E-05	-0.14519	0.00166	-0.17665	0.00012	-0.04975	0.28334
0.00154	-0.28532	3.38E-10	-0.17532	0.00014	-0.23275	3.65E-07	-0.06834	0.14029
0.00168	-0.18573	5.39E-05	-0.15759	0.00063	-0.16238	0.00043	-0.08857	0.05578
0.01593	-0.09125	0.04874	-0.1052	0.02299	-0.14745	0.0014	0.022178	0.63261
0.0104	-0.17254	0.00018	-0.113	0.01455	-0.15275	0.00093	-0.03304	0.47631
0.00235	-0.16903	0.00024	-0.14769	0.00137	-0.18059	8.69E-05	-0.0351	0.44919
0.00021	-0.21989	1.60E-06	-0.16682	0.00029	-0.21515	2.70E-06	-0.12271	0.00794
8.16E-06	-0.28108	6.29E-10	-0.19276	2.74E-05	-0.26855	3.71E-09	-0.19025	3.50E-05
0.0862	-0.22029	1.53E-06	-0.07415	0.10953	-0.14682	0.00146	-0.02567	0.57997
0.11208	-0.15325	0.00089	-0.10631	0.02158	-0.12771	0.00571	-0.03549	0.4442
0.31222	-0.08598	0.06339	-0.06293	0.1746	-0.05494	0.23602	0.002598	0.95535
0.00262	-0.08136	0.07903	-0.11191	0.01554	-0.12076	0.009	-0.01737	0.7081
0.00074	-0.2144	2.94E-06	-0.1763	0.00013	-0.18904	3.93E-05	-0.05585	0.22837
9.40E-07	-0.24519	8.02E-08	-0.21926	1.72E-06	-0.26782	4.10E-09	-0.13944	0.00253
2.79E-05	-0.21313	3.37E-06	-0.18503	5.75E-05	-0.21903	1.76E-06	-0.09165	0.04777
0.09306	-0.09065	0.05026	-0.0658	0.15568	-0.06939	0.13428	0.011392	0.80605
0.63339	-0.0415	0.37084	-0.06136	0.1856	-0.01331	0.77419	0.064207	0.16598
3.71E-05	-0.20745	6.17E-06	-0.15869	0.00058	-0.20332	9.50E-06	-0.05155	0.26623
0.07554	-0.09243	0.04589	-0.1057	0.02234	-0.12615	0.00634	0.00391	0.93284
0.00014	-0.15111	0.00105	-0.15453	0.00081	-0.18508	5.73E-05	-0.04041	0.38363
0.12391	-0.11801	0.0107	-0.06563	0.15677	-0.08595	0.06348	-0.02821	0.54305
0.00811	-0.12274	0.00792	-0.15445	0.00081	-0.15	0.00115	-0.08219	0.076
0.03435	-0.07973	0.08523	-0.00891	0.84774	-0.06978	0.13211	-0.05303	0.2527
0.00173	-0.2229	1.14E-06	-0.17271	0.00018	-0.19595	2.00E-05	-0.03592	0.43872

0.00242	-0.21515	2.71E-06	-0.15747	0.00064	-0.20915	5.16E-06	-0.05197	0.26232
0.00701	-0.13477	0.00352	-0.10203	0.02747	-0.14949	0.0012	-0.04854	0.29521
2.57E-08	-0.31637	2.58E-12	-0.22822	6.21E-07	-0.30392	1.95E-11	-0.16206	0.00044
6.78E-05	-0.19854	1.55E-05	-0.13102	0.00457	-0.18893	3.97E-05	-0.05648	0.22311
0.00156	-0.14648	0.0015	-0.11423	0.01351	-0.13981	0.00246	-0.01833	0.6928
0.03009	-0.18216	7.53E-05	-0.0999	0.0309	-0.14538	0.00163	0.021254	0.64686
1.69E-05	-0.20382	9.01E-06	-0.17646	0.00013	-0.20517	7.84E-06	-0.19494	2.21E-05
0.01842	-0.12937	0.00511	-0.13142	0.00445	-0.15597	0.00072	0.026576	0.56673
0.09361	-0.02682	0.56321	0.016154	0.72771	-0.0333	0.47288	-0.03111	0.5025
1.27E-05	-0.24923	4.82E-08	-0.20663	6.73E-06	-0.24448	8.78E-08	-0.0603	0.1933
0.00011	-0.19465	2.28E-05	-0.16319	0.0004	-0.21363	3.19E-06	-0.0307	0.50803
0.52644	-0.12967	0.00501	-0.10132	0.02857	-0.12543	0.00665	-0.03174	0.49379
8.30E-05	-0.20649	6.83E-06	-0.13377	0.00378	-0.19953	1.40E-05	-0.03599	0.43776
0.00013	-0.20991	4.76E-06	-0.16883	0.00025	-0.2048	8.15E-06	-0.08632	0.06234
4.00E-06	-0.24058	1.42E-07	-0.19749	1.72E-05	-0.25661	1.86E-08	-0.07611	0.10045
0.23694	0.027477	0.55365	0.011655	0.80167	0.054728	0.23784	-0.00135	0.97681
1.53E-05	-0.22649	7.58E-07	-0.18212	7.55E-05	-0.22958	5.30E-07	-0.06077	0.18984
0.04471	-0.13997	0.00243	-0.11808	0.01065	-0.13615	0.0032	-0.0101	0.82762
1.95E-06	-0.21913	1.74E-06	-0.16584	0.00032	-0.21949	1.68E-06	-0.03693	0.42592
0.01342	-0.14102	0.00225	-0.08922	0.054	-0.1309	0.0046	-0.04013	0.38689
0.00201	-0.12703	0.00598	-0.09443	0.04138	-0.14324	0.00191	-0.04159	0.3698
0.00021	-0.21354	3.22E-06	-0.1433	0.00191	-0.20999	4.72E-06	-0.0527	0.25572
1.79E-07	-0.30916	8.42E-12	-0.2491	4.90E-08	-0.30502	1.64E-11	-0.07579	0.10189
0.04452	-0.15611	0.00071	-0.12883	0.0053	-0.1683	0.00026	0.031203	0.50116
7.79E-10	-0.29154	1.33E-10	-0.24961	4.59E-08	-0.30299	2.26E-11	-0.11305	0.01452
1.26E-05	-0.21427	2.98E-06	-0.19193	2.98E-05	-0.22253	1.19E-06	-0.07455	0.10765
0.11341	-0.13023	0.00482	-0.04376	0.34536	-0.10785	0.01974	-0.033	0.47686
0.00111	-0.26565	5.53E-09	-0.20757	6.10E-06	-0.2335	3.34E-07	-0.02226	0.63135
0.01637	-0.1984	1.57E-05	-0.18617	5.17E-05	-0.21283	3.48E-06	-0.00395	0.93216
0.99317	-0.14748	0.00139	-0.15758	0.00063	-0.13996	0.00243	0.11087	0.01653
0.18022	-0.1184	0.01044	-0.05804	0.21061	-0.06465	0.16307	-0.01857	0.68891
0.00217	-0.21294	3.44E-06	-0.15677	0.00067	-0.17067	0.00021	0.005642	0.90321
0.03473	-0.16161	0.00045	-0.09218	0.04648	-0.10618	0.02174	-0.06194	0.18148
3.88E-09	-0.28543	3.32E-10	-0.28796	2.28E-10	-0.32197	1.00E-12	-0.10983	0.01758
0.00019	-0.22184	1.29E-06	-0.25362	2.74E-08	-0.25142	3.64E-08	-0.11956	0.00971
0.00083	-0.11891	0.01012	-0.12656	0.00617	-0.16372	0.00038	-0.00101	0.98263
2.81E-07	-0.27971	7.67E-10	-0.21828	1.92E-06	-0.28604	3.04E-10	-0.08322	0.07237
0.03363	-0.15977	0.00053	-0.16706	0.00029	-0.1917	3.04E-05	-0.08495	0.06662
0.01395	-0.11335	0.01425	-0.11075	0.01665	-0.12118	0.00876	-0.0684	0.13998
0.07803	-0.19303	2.67E-05	-0.10419	0.02434	-0.15425	0.00082	-0.03486	0.45227
0.05975	-0.21841	1.89E-06	-0.15677	0.00067	-0.17467	0.00015	-0.0543	0.2415
0.00967	-0.15863	0.00058	-0.17264	0.00018	-0.19856	1.54E-05	-0.03362	0.46863
0.0528	-0.12705	0.00597	-0.1288	0.00531	-0.14614	0.00154	-0.02142	0.64433
3.23E-08	-0.29624	6.49E-11	-0.26203	9.03E-09	-0.30672	1.25E-11	-0.07439	0.10836
0.00093	-0.14345	0.00188	-0.11096	0.01645	-0.14408	0.0018	-0.03789	0.41396

0.0412	-0.15289	0.00092	-0.1093	0.01814	-0.13245	0.00414	-0.05209	0.2613
0.34117	-0.06115	0.18714	-0.06112	0.18736	-0.05088	0.27248	0.005066	0.91305
0.00652	-0.18802	4.34E-05	-0.14107	0.00225	-0.14897	0.00124	-0.04876	0.29298
6.64E-06	-0.20998	4.73E-06	-0.17905	0.0001	-0.21211	3.76E-06	-0.07033	0.12909
0.00122	-0.18371	6.52E-05	-0.12989	0.00493	-0.17398	0.00016	-0.09506	0.04003
1.83E-06	-0.24028	1.47E-07	-0.17383	0.00016	-0.2368	2.25E-07	-0.04424	0.34007
2.22E-08	-0.28299	4.76E-10	-0.23472	2.89E-07	-0.29759	5.27E-11	-0.08338	0.07184
0.35345	-0.11745	0.01108	-0.10682	0.02095	-0.09633	0.03744	-0.0152	0.74325
6.55E-06	-0.23505	2.78E-07	-0.19412	2.40E-05	-0.23766	2.03E-07	-0.06335	0.17172
0.0052	-0.16924	0.00024	-0.1655	0.00033	-0.18058	8.70E-05	-0.04935	0.28718
0.41071	-0.13655	0.00311	-0.12115	0.00878	-0.12449	0.00707	0.001417	0.97563
4.84E-07	-0.24622	7.06E-08	-0.20206	1.08E-05	-0.25338	2.83E-08	-0.07001	0.13083
0.00013	-0.19654	1.89E-05	-0.15284	0.00092	-0.19502	2.20E-05	-0.04155	0.37035
1.84E-06	-0.22695	7.19E-07	-0.18295	6.99E-05	-0.24546	7.76E-08	-0.07794	0.09252
0.37533	-0.02956	0.52395	-0.02713	0.55863	-0.01153	0.80381	-0.01384	0.76543
7.34E-10	-0.30889	8.80E-12	-0.2753	1.44E-09	-0.32614	4.91E-13	-0.14171	0.00214
0.27081	-0.10099	0.02911	-0.05818	0.2095	-0.08891	0.05487	-0.03584	0.43977
0.00033	-0.24296	1.06E-07	-0.2158	2.52E-06	-0.24771	5.85E-08	-0.05752	0.21469
1.32E-05	-0.20145	1.15E-05	-0.17403	0.00016	-0.21675	2.27E-06	-0.05214	0.26083
2.25E-06	-0.24134	1.29E-07	-0.20162	1.13E-05	-0.25813	1.52E-08	-0.06369	0.16941
0.00285	-0.21133	4.09E-06	-0.13692	0.00303	-0.18924	3.86E-05	-0.03735	0.42069
1.09E-08	-0.34545	1.55E-14	-0.27545	1.41E-09	-0.33505	1.03E-13	-0.11415	0.01358
0.00294	-0.12152	0.00857	-0.11419	0.01354	-0.14837	0.0013	-0.04068	0.38041
1.22E-06	-0.25967	1.24E-08	-0.23777	2.00E-07	-0.27556	1.39E-09	-0.04165	0.3692
6.39E-05	-0.25833	1.48E-08	-0.16493	0.00034	-0.2314	4.28E-07	-0.03082	0.50638
0.01069	-0.12476	0.00695	-0.09721	0.03573	-0.12924	0.00516	-0.00197	0.96608
1.39E-06	-0.25343	2.81E-08	-0.21295	3.44E-06	-0.27012	2.99E-09	-0.09591	0.03829
0.1117	-0.22705	7.11E-07	-0.18858	4.11E-05	-0.19028	3.49E-05	-0.01287	0.78155
2.16E-11	-0.27898	8.53E-10	-0.31219	5.14E-12	-0.3612	7.74E-16	-0.15048	0.00111
7.71E-06	-0.31219	5.14E-12	-0.20431	8.57E-06	-0.25388	2.65E-08	-0.03351	0.47001
7.08E-05	-0.23333	3.41E-07	-0.1675	0.00028	-0.21798	1.98E-06	-0.05863	0.20598
0.00304	-0.14023	0.00239	-0.09239	0.046	-0.13813	0.00278	0.005184	0.91104
0.11637	-0.14559	0.00161	-0.10227	0.02711	-0.1211	0.0088	-0.02268	0.62492
3.46E-07	-0.26059	1.10E-08	-0.19759	1.70E-05	-0.25687	1.79E-08	-0.07574	0.1021
0.00072	-0.20718	6.36E-06	-0.16992	0.00023	-0.20696	6.50E-06	-0.08951	0.05322
1.94E-06	-0.27201	2.29E-09	-0.2133	3.31E-06	-0.2636	7.31E-09	-0.08812	0.05704
0.00024	-0.20022	1.30E-05	-0.17163	0.00019	-0.21439	2.94E-06	-0.05987	0.19655
6.15E-07	-0.29015	1.64E-10	-0.226	8.03E-07	-0.27096	2.66E-09	-0.06408	0.16684
0.00059	-0.19342	2.57E-05	-0.14249	0.00202	-0.19214	2.92E-05	-0.0541	0.24324
2.66E-10	-0.31902	1.65E-12	-0.27573	1.36E-09	-0.3454	1.57E-14	-0.08698	0.06037
0.00079	-0.16222	0.00043	-0.10712	0.0206	-0.13815	0.00277	-0.03226	0.48681
0.00015	-0.19478	2.25E-05	-0.1587	0.00058	-0.20917	5.15E-06	-0.03065	0.50873
0.00535	-0.16254	0.00042	-0.10556	0.02252	-0.15024	0.00113	-0.03302	0.47662
0.68553	-0.01969	0.67131	-0.06086	0.18923	-0.05477	0.23748	0.025161	0.58758
0.00916	-0.15053	0.0011	-0.08427	0.06885	-0.14033	0.00237	-0.05332	0.25019

7.12E-06	-0.24356	9.83E-08	-0.18701	4.77E-05	-0.24467	8.56E-08	-0.05805	0.21053
2.75E-06	-0.26525	5.84E-09	-0.25179	3.47E-08	-0.28352	4.40E-10	-0.06963	0.13299
0.01021	-0.13662	0.00309	-0.11397	0.01372	-0.14802	0.00134	-0.04001	0.38829
0.18564	-0.13679	0.00306	-0.08701	0.06026	-0.12173	0.00845	-0.02187	0.63728
0.00023	-0.22361	1.05E-06	-0.17816	0.00011	-0.1983	1.58E-05	-0.04968	0.28404
0.02149	-0.08905	0.05446	-0.04681	0.31278	-0.09163	0.04782	-0.00921	0.84263
0.00053	-0.17884	0.0001	-0.14668	0.00148	-0.18199	7.64E-05	-0.08561	0.06452
1.93E-05	-0.20374	9.09E-06	-0.16566	0.00032	-0.22439	9.64E-07	-0.04702	0.31059
4.29E-08	-0.25903	1.35E-08	-0.23336	3.39E-07	-0.29914	4.14E-11	-0.02214	0.63318
0.00069	-0.10332	0.02557	-0.09569	0.03873	-0.14236	0.00204	-0.02636	0.56994
7.39E-06	-0.23235	3.83E-07	-0.1927	2.76E-05	-0.25412	2.57E-08	-0.05905	0.20276
0.47725	-0.16182	0.00045	-0.05714	0.21774	-0.09496	0.04025	0.000378	0.9935
4.51E-06	-0.23675	2.26E-07	-0.18062	8.67E-05	-0.2391	1.70E-07	-0.06422	0.1659
8.99E-06	-0.2377	2.02E-07	-0.1931	2.65E-05	-0.24981	4.48E-08	-0.06554	0.15732
3.48E-06	-0.24398	9.33E-08	-0.19643	1.91E-05	-0.25453	2.43E-08	-0.06738	0.14599
0.36137	-0.17437	0.00015	-0.06188	0.18189	-0.10443	0.02401	-0.0078	0.86645
1.88E-06	-0.21641	2.36E-06	-0.18272	7.14E-05	-0.23481	2.86E-07	-0.0713	0.12387
0.01625	-0.17983	9.32E-05	-0.0775	0.09434	-0.13266	0.00408	-0.0272	0.55761
2.17E-07	-0.26984	3.10E-09	-0.21919	1.73E-06	-0.26783	4.10E-09	-0.08744	0.05901
0.0001	-0.22626	7.79E-07	-0.17813	0.00011	-0.22481	9.20E-07	-0.05301	0.25294
0.00032	-0.18537	5.58E-05	-0.14001	0.00243	-0.17325	0.00017	-0.03656	0.43055
0.02547	-0.14215	0.00208	-0.10605	0.0219	-0.12378	0.00741	-0.03682	0.42731
0.00178	-0.16878	0.00025	-0.07332	0.11358	-0.12246	0.00807	-0.0306	0.50945
0.05073	-0.15145	0.00103	-0.1258	0.00649	-0.15057	0.0011	-0.01644	0.72307
0.00035	-0.2426	1.11E-07	-0.14762	0.00138	-0.19356	2.54E-05	-0.09907	0.03231
0.00453	-0.12574	0.00651	-0.07198	0.12033	-0.12029	0.00927	-0.03057	0.50985
2.37E-10	-0.26579	5.43E-09	-0.22752	6.73E-07	-0.29492	7.96E-11	-0.15535	0.00076
0.00207	-0.14895	0.00125	-0.14582	0.00158	-0.17971	9.42E-05	-0.1314	0.00445
3.81E-05	-0.20688	6.56E-06	-0.146	0.00156	-0.21335	3.29E-06	-0.09065	0.05026
0.042	-0.11876	0.01021	-0.11982	0.00955	-0.13959	0.0025	-0.05418	0.24256
0.02627	-0.11102	0.01639	-0.03531	0.44655	-0.10137	0.02849	-0.05744	0.21532
5.98E-06	-0.22021	1.55E-06	-0.18319	6.84E-05	-0.22824	6.20E-07	-0.08284	0.07368
0.00056	-0.18365	6.55E-05	-0.17265	0.00018	-0.18865	4.08E-05	-0.03959	0.39334
1.76E-06	-0.28556	3.26E-10	-0.23246	3.78E-07	-0.28101	6.35E-10	-0.04086	0.3783
0.00012	-0.18156	7.95E-05	-0.14545	0.00162	-0.18341	6.70E-05	-0.19512	2.17E-05
4.88E-05	-0.21046	4.49E-06	-0.1747	0.00015	-0.2187	1.83E-06	-0.05569	0.22972
0.55045	-0.13051	0.00473	-0.16064	0.00049	-0.12602	0.00639	-0.05836	0.2081
1.00E-07	-0.25747	1.66E-08	-0.17546	0.00014	-0.25796	1.55E-08	-0.04354	0.34786
0.08247	-0.20806	5.79E-06	-0.04736	0.30708	-0.11032	0.01708	-0.05854	0.20667
2.82E-05	-0.19662	1.87E-05	-0.14407	0.0018	-0.21457	2.88E-06	-0.1112	0.01622
0.28127	-0.10267	0.0265	-0.05852	0.20687	-0.08144	0.07872	0.016959	0.71471
0.037	-0.16119	0.00047	-0.16105	0.00048	-0.1292	0.00517	0.022292	0.63087
5.39E-07	-0.28641	2.87E-10	-0.23917	1.69E-07	-0.28126	6.13E-10	-0.07452	0.10775
0.96395	-0.0358	0.44025	-0.01837	0.69216	-0.00532	0.90869	0.051193	0.26957
0.67208	-0.06999	0.13095	-0.03708	0.42406	-0.05978	0.19724	-0.00785	0.86568

0.0647	-0.16186	0.00045	-0.12289	0.00785	-0.15897	0.00056	-0.03563	0.44243
0.0018	-0.15356	0.00087	-0.15082	0.00108	-0.18553	5.49E-05	-0.01329	0.77457
0.04957	-0.16297	0.00041	-0.14054	0.00233	-0.14941	0.0012	0.002433	0.95818
0.00176	-0.19243	2.83E-05	-0.16764	0.00027	-0.18918	3.88E-05	-0.06009	0.1949
0.32181	-0.10414	0.02441	-0.09179	0.04743	-0.11723	0.01123	-0.01497	0.7469
0.00316	-0.24372	9.64E-08	-0.13574	0.00329	-0.19384	2.47E-05	-0.04727	0.30799
0.0025	-0.16216	0.00043	-0.15674	0.00068	-0.20245	1.04E-05	-0.04856	0.29503
1.80E-06	-0.23864	1.80E-07	-0.20302	9.80E-06	-0.25093	3.88E-08	-0.06905	0.13625
4.61E-05	-0.17397	0.00016	-0.14563	0.0016	-0.20227	1.06E-05	-0.09778	0.03464
0.00494	-0.15076	0.00108	-0.1224	0.0081	-0.1414	0.00219	-0.17153	0.0002
0.00024	-0.17016	0.00022	-0.16696	0.00029	-0.19428	2.36E-05	-0.0486	0.29464
0.59522	-0.0861	0.06303	-0.02973	0.52157	-0.02633	0.57038	-0.03608	0.43671
0.01514	-0.14361	0.00186	-0.13048	0.00474	-0.16342	0.00039	0.030676	0.50842
0.01702	-0.2226	1.18E-06	-0.08973	0.05264	-0.10391	0.02473	-0.0766	0.09827
0.48804	-0.06804	0.14207	0.019514	0.67404	0.015266	0.74213	0.002517	0.95673
0.37533	-0.02956	0.52395	-0.02713	0.55863	-0.01153	0.80381	-0.01384	0.76543
4.17E-05	-0.22563	8.37E-07	-0.15753	0.00063	-0.21231	3.68E-06	-0.06485	0.16174
0.26115	-0.18683	4.86E-05	-0.1076	0.02003	-0.11753	0.01103	-0.06022	0.19389
5.36E-07	-0.19517	2.16E-05	-0.16355	0.00039	-0.23549	2.63E-07	-0.05258	0.2568
3.99E-13	-0.30634	1.33E-11	-0.32077	1.23E-12	-0.38191	1.15E-17	-0.24776	5.81E-08
0.01677	-0.16303	0.0004	-0.04167	0.36892	-0.13017	0.00484	-0.12208	0.00826
0.0062	-0.20465	8.27E-06	-0.13993	0.00244	-0.19656	1.88E-05	-0.05805	0.21047
0.0022	-0.26559	5.57E-09	-0.16932	0.00024	-0.20614	7.08E-06	-0.04503	0.33155
0.09987	-0.13327	0.00391	-0.05969	0.19787	-0.07413	0.10963	-0.02765	0.55118
7.52E-06	-0.16001	0.00052	-0.1372	0.00297	-0.20008	1.32E-05	-0.01636	0.72443
0.00023	-0.15732	0.00065	-0.10191	0.02766	-0.18456	6.02E-05	-0.01591	0.73158
1.57E-05	-0.25085	3.92E-08	-0.18086	8.48E-05	-0.24467	8.56E-08	-0.06242	0.17811
1.54E-14	-0.14352	0.00188	-0.3486	8.64E-15	-0.32455	6.46E-13	-0.33532	9.81E-14
2.33E-21	-0.22364	1.05E-06	-0.41501	7.22E-21	-0.40942	2.66E-20	-0.36152	7.27E-16
7.08E-29	-0.28662	2.79E-10	-0.43875	2.15E-23	-0.4717	3.01E-27	-0.48694	3.55E-29
5.04E-06	-0.24382	9.53E-08	-0.29514	7.70E-11	-0.31377	3.97E-12	-0.2343	3.04E-07
5.12E-09	0.019857	0.66865	-0.19597	2.00E-05	-0.18235	7.39E-05	-0.29134	1.37E-10
3.17E-06	0.041515	0.37072	-0.16669	0.0003	-0.12451	0.00706	-0.33069	2.22E-13
7.98E-07	-0.11064	0.01676	-0.26671	4.78E-09	-0.22196	1.27E-06	-0.17371	0.00016
1.81E-08	-0.07105	0.12522	-0.2511	3.79E-08	-0.22079	1.45E-06	-0.2629	8.03E-09
1.51E-07	-0.32421	6.85E-13	-0.30807	1.01E-11	-0.33404	1.23E-13	-0.2784	9.27E-10
1.03E-08	-0.10132	0.02857	-0.27814	9.61E-10	-0.26878	3.60E-09	-0.16842	0.00026
0.00455	0.077493	0.09439	-0.17747	0.00012	-0.10306	0.02594	-0.14517	0.00166
1.11E-15	-0.08644	0.06197	-0.30481	1.70E-11	-0.30165	2.80E-11	-0.34479	1.75E-14
8.34E-35	-0.36362	4.80E-16	-0.60543	4.82E-48	-0.59826	1.13E-46	-0.51761	2.30E-33
6.00E-16	-0.08619	0.06275	-0.3151	3.18E-12	-0.31159	5.67E-12	-0.34626	1.34E-14
3.95E-37	-0.32064	1.26E-12	-0.52911	4.76E-35	-0.56082	4.85E-40	-0.46258	3.87E-26
0.83676	0.020377	0.6605	0.031794	0.49309	0.031593	0.49583	-0.23199	3.99E-07
9.78E-49	-0.20653	6.80E-06	-0.40163	1.57E-19	-0.48806	2.54E-29	-0.243	1.05E-07
8.28E-22	-0.22364	1.05E-06	-0.33243	1.64E-13	-0.3863	4.54E-18	-0.42531	6.13E-22

0.00013	-0.15818	0.00006	-0.31635	2.58E-12	-0.227	7.15E-07	-0.0191	0.68059
0.85285	0.025196	0.58705	-0.33587	8.89E-14	-0.11212	0.01534	-0.09215	0.04656
2.17E-08	-0.15457	0.0008	-0.24953	4.64E-08	-0.27163	2.42E-09	-0.13273	0.00406
2.71E-11	-0.01975	0.67035	-0.17989	9.27E-05	-0.22593	8.08E-07	-0.14398	0.00181
0.00088	-0.02419	0.60209	-0.24323	1.02E-07	-0.16072	0.00049	-0.25182	3.46E-08
2.60E-26	-0.32067	1.25E-12	-0.46155	5.14E-26	-0.49311	5.51E-30	-0.38659	4.28E-18
1.42E-07	-0.08776	0.05809	-0.1784	0.00011	-0.19127	3.17E-05	-0.37876	2.23E-17
0.00029	-0.02088	0.65262	-0.14836	0.0013	-0.12957	0.00504	-0.38099	1.40E-17
1.29E-17	-0.06622	0.15307	-0.2394	1.64E-07	-0.28446	3.84E-10	-0.35257	4.09E-15
0.00099	-0.15774	0.00062	-0.14522	0.00165	-0.15589	0.00072	-0.47213	2.66E-27
1.26E-15	-0.13919	0.00257	-0.3116	5.67E-12	-0.31972	1.47E-12	-0.38081	1.45E-17
8.84E-32	-0.30922	8.34E-12	-0.56338	1.82E-40	-0.53729	2.75E-36	-0.32801	3.55E-13
0.6454	0.031176	0.50154	-0.16346	0.00039	-0.07914	0.08756	-0.05867	0.20567
5.32E-13	-0.12919	0.00517	-0.45655	2.01E-25	-0.3523	4.30E-15	-0.20787	5.91E-06
0.05922	0.029726	0.52166	-0.07003	0.13075	-0.0584	0.20775	-0.22813	6.28E-07
0.00292	0.124173	0.00722	-0.0277	0.55044	-0.02526	0.58606	-0.30125	2.98E-11
9.97E-14	-0.08516	0.06594	-0.24538	7.83E-08	-0.26737	4.37E-09	-0.33502	1.03E-13
1.08E-34	-0.3108	6.45E-12	-0.42937	2.26E-22	-0.48383	8.94E-29	-0.53449	7.38E-36
1.43E-24	-0.1501	0.00114	-0.15712	0.00066	-0.30385	1.97E-11	-0.47795	5.01E-28
3.30E-15	-0.05507	0.23491	-0.19279	2.73E-05	-0.25422	2.53E-08	-0.51153	1.68E-32
1.07E-21	-0.22095	1.42E-06	-0.3099	7.47E-12	-0.37953	1.90E-17	-0.42184	1.42E-21
1.53E-44	-0.32791	3.62E-13	-0.40378	9.70E-20	-0.53464	7.01E-36	-0.54108	7.18E-37
0.00018	-0.10624	0.02167	-0.2162	2.41E-06	-0.19036	3.46E-05	-0.29681	5.95E-11
0.00065	-0.01787	0.70007	-0.2543	2.51E-08	-0.15391	0.00085	-0.34115	3.42E-14
4.04E-25	-0.20083	1.23E-05	-0.38505	5.94E-18	-0.40392	9.39E-20	-0.48236	1.38E-28
1.02E-05	0.236338	2.38E-07	-0.02123	0.64727	-0.01611	0.72848	-0.23403	3.13E-07
1.07E-21	-0.34041	3.92E-14	-0.39556	6.08E-19	-0.44884	1.57E-24	-0.38531	5.61E-18
2.31E-06	0.056273	0.22484	-0.19762	1.70E-05	-0.13757	0.00289	-0.27766	1.03E-09
2.55E-06	-0.04373	0.34573	-0.33067	2.23E-13	-0.22267	1.17E-06	-0.23133	4.32E-07
0.01291	-0.1179	0.01077	-0.27834	9.34E-10	-0.1959	2.01E-05	-0.22071	1.46E-06
2.58E-13	0.015801	0.73343	-0.01262	0.7856	-0.14243	0.00203	-0.48215	1.47E-28
1.30E-13	-0.33435	1.16E-13	-0.34156	3.18E-14	-0.37003	1.34E-16	-0.05496	0.23587
0.87887	0.095852	0.0384	0.067631	0.14449	0.040132	0.38688	-0.25153	3.59E-08
0.16063	0.102925	0.02614	-0.12257	0.00801	-0.0302	0.515	-0.29147	1.35E-10
2.58E-08	-0.16506	0.00034	-0.28511	3.49E-10	-0.25899	1.35E-08	-0.28118	6.20E-10
9.25E-44	-0.34205	2.91E-14	-0.43109	1.48E-22	-0.53245	1.50E-35	-0.44419	5.30E-24
5.57E-37	-0.27796	9.87E-10	-0.39866	3.06E-19	-0.48286	1.19E-28	-0.52007	1.02E-33
0.00016	0.073301	0.11366	-0.16189	0.00044	-0.09373	0.0429	-0.27454	1.61E-09
5.11E-18	-0.30763	1.08E-11	-0.42401	8.42E-22	-0.42537	6.04E-22	-0.41683	4.70E-21
1.73E-32	-0.25927	1.30E-08	-0.40252	1.29E-19	-0.47504	1.16E-27	-0.45541	2.73E-25
3.05E-18	-0.17718	0.00012	-0.51578	4.20E-33	-0.45382	4.19E-25	-0.03906	0.39973
1.59E-22	-0.19355	2.54E-05	-0.39938	2.61E-19	-0.4212	1.66E-21	-0.37903	2.11E-17
4.15E-11	-0.05759	0.21419	-0.28496	3.56E-10	-0.24781	5.77E-08	-0.31917	1.61E-12
2.99E-30	-0.36237	6.15E-16	-0.55614	2.86E-39	-0.56641	5.62E-41	-0.25495	2.31E-08
0.19036	0.308951	8.71E-12	0.073508	0.11265	0.139554	0.00251	-0.07145	0.1231



0.00012	0.0226	0.62616	-0.12048	0.00916	-0.09629	0.03751	-0.2758	1.34E-09
8.75E-13	-0.04031	0.3848	-0.20428	8.60E-06	-0.23447	2.98E-07	-0.46247	3.99E-26
1.22E-14	-0.22733	6.88E-07	-0.32238	9.37E-13	-0.34895	8.10E-15	-0.33516	1.01E-13
0.97878	0.292826	1.10E-10	0.234161	3.09E-07	0.192928	2.70E-05	-0.25625	1.94E-08
0.15543	0.135428	0.00336	0.047775	0.30289	0.059999	0.19557	-0.43165	1.29E-22
7.50E-11	-0.23089	4.55E-07	-0.37714	3.12E-17	-0.35268	4.00E-15	-0.27658	1.20E-09
4.42E-28	-0.24972	4.53E-08	-0.43234	1.08E-22	-0.4511	8.65E-25	-0.4677	9.33E-27
1.69E-31	-0.43125	1.42E-22	-0.50087	5.02E-31	-0.54188	5.38E-37	-0.26806	3.97E-09
3.40E-10	-0.06992	0.13138	-0.32005	1.39E-12	-0.27003	3.02E-09	-0.39015	1.99E-18
3.74E-18	-0.07776	0.09324	-0.23619	2.42E-07	-0.26572	5.47E-09	-0.25284	3.03E-08
0.6362	0.282036	5.47E-10	0.136995	0.00301	0.170467	0.00021	-0.21556	2.59E-06
1.01E-14	-0.03561	0.44261	-0.19302	2.67E-05	-0.24408	9.22E-08	-0.48556	5.36E-29
3.83E-18	-0.14112	0.00224	-0.30703	1.19E-11	-0.3502	6.40E-15	-0.18685	4.85E-05
1.00E-20	-0.12803	0.00559	-0.1996	1.39E-05	-0.29171	1.30E-10	-0.39902	2.83E-19
3.27E-31	-0.34785	9.95E-15	-0.46168	4.96E-26	-0.52175	5.80E-34	-0.50528	1.25E-31
5.56E-26	-0.19425	2.37E-05	-0.42549	5.86E-22	-0.43642	3.88E-23	-0.45257	5.85E-25
9.05E-18	-0.10186	0.02773	-0.23936	1.65E-07	-0.29458	8.39E-11	-0.39847	3.19E-19
1.79E-27	-0.20351	9.31E-06	-0.38025	1.63E-17	-0.42357	9.36E-22	-0.51063	2.25E-32
7.88E-08	-0.04507	0.33114	-0.1513	0.00104	-0.16151	0.00046	-0.39693	4.50E-19
0.10802	0.117398	0.01112	-0.06889	0.13715	-0.019	0.6822	-0.20928	5.09E-06
1.71E-09	-0.12384	0.00737	-0.24355	9.85E-08	-0.26871	3.63E-09	-0.19292	2.70E-05
0.06149	0.321633	1.06E-12	-0.04104	0.37627	0.118326	0.01049	-0.09397	0.04238
1.13E-38	-0.42915	2.39E-22	-0.59798	1.28E-46	-0.62317	1.37E-51	-0.38243	1.03E-17
0.00557	0.032815	0.4793	-0.16107	0.00048	-0.07453	0.10771	-0.12031	0.00926
4.07E-14	-0.24703	6.37E-08	-0.28179	5.67E-10	-0.33471	1.09E-13	-0.26449	6.47E-09
3.20E-09	-0.03605	0.43707	-0.11698	0.01141	-0.21144	4.04E-06	-0.20803	5.81E-06
4.59E-25	-0.21842	1.89E-06	-0.47496	1.19E-27	-0.47392	1.60E-27	-0.14024	0.00239
3.50E-08	0.064335	0.16513	-0.18442	6.09E-05	-0.15473	0.00079	-0.45796	1.37E-25
6.57E-26	-0.42561	5.70E-22	-0.65001	2.05E-57	-0.59408	6.91E-46	-0.39694	4.49E-19
1.84E-08	-0.03351	0.47002	-0.27774	1.02E-09	-0.21929	1.71E-06	-0.38619	4.66E-18
1.30E-06	-0.2763	1.25E-09	-0.19985	1.35E-05	-0.27002	3.03E-09	-0.39716	4.27E-19
1.22E-11	-0.04724	0.30832	-0.11277	0.01475	-0.18652	5.00E-05	-0.44018	1.49E-23
0.06159	-0.14924	0.00122	-0.05481	0.2371	-0.06492	0.16129	0.107313	0.02037
8.62E-15	-0.2097	4.87E-06	-0.27685	1.16E-09	-0.31393	3.86E-12	-0.28763	2.40E-10
9.50E-08	-0.09724	0.03567	-0.15818	0.0006	-0.19191	2.98E-05	-0.28315	4.65E-10
4.75E-12	-0.25487	2.33E-08	-0.28108	6.29E-10	-0.3459	1.43E-14	-0.33456	1.12E-13
0.00115	-0.17578	0.00013	-0.15751	0.00064	-0.21982	1.61E-06	-0.20695	6.51E-06
8.90E-10	-0.20185	1.10E-05	-0.21046	4.49E-06	-0.29244	1.16E-10	-0.33297	1.49E-13
7.31E-05	-0.02965	0.52265	-0.06243	0.17805	-0.10189	0.02769	-0.28819	2.21E-10
0.20117	0.115725	0.01233	-0.08055	0.08205	0.041894	0.36636	-0.04724	0.30837
8.95E-12	-0.13718	0.00297	-0.22343	1.08E-06	-0.25338	2.83E-08	-0.53163	1.99E-35
0.00798	-0.06481	0.16205	-0.13208	0.00425	-0.12497	0.00685	-0.27689	1.15E-09
3.68E-05	-0.13918	0.00257	-0.11307	0.0145	-0.15197	0.00099	-0.24509	8.13E-08
7.96E-11	0.004091	0.92974	-0.23637	2.37E-07	-0.21564	2.56E-06	-0.47986	2.87E-28
4.28E-20	-0.09147	0.04821	-0.28046	6.88E-10	-0.29044	1.57E-10	-0.2052	7.81E-06

1.13E-42	-0.24596	7.28E-08	-0.44415	5.36E-24	-0.51107	1.95E-32	-0.234	3.15E-07
0.67235	0.015115	0.74459	-0.05066	0.2746	-0.01067	0.81815	-0.12834	0.00548
1.85E-06	0.138871	0.00263	0.043285	0.35065	-0.04912	0.2895	-0.31577	2.85E-12
3.59E-12	-0.2336	3.30E-07	-0.48214	1.47E-28	-0.42149	1.55E-21	-0.23329	3.43E-07
4.00E-27	-0.42487	6.82E-22	-0.45466	3.35E-25	-0.50793	5.37E-32	-0.28988	1.71E-10
1.35E-31	-0.28486	3.62E-10	-0.44495	4.35E-24	-0.47907	3.61E-28	-0.30094	3.12E-11
2.46E-09	-0.20396	8.89E-06	-0.32369	7.49E-13	-0.2999	3.68E-11	-0.28866	2.06E-10
4.62E-06	0.078901	0.08854	-0.21623	2.40E-06	-0.16384	0.00038	-0.40645	5.27E-20
3.48E-30	-0.32282	8.69E-13	-0.55625	2.75E-39	-0.54083	7.84E-37	-0.38658	4.28E-18
7.69E-24	-0.34482	1.75E-14	-0.46669	1.24E-26	-0.48955	1.62E-29	-0.41349	1.03E-20
0.00046	-0.28769	2.38E-10	-0.30776	1.06E-11	-0.27123	2.56E-09	-0.35945	1.09E-15
0.07504	0.148314	0.00131	0.070927	0.12588	0.059566	0.19882	-0.40457	8.10E-20
0.44651	0.301153	3.02E-11	0.121544	0.00856	0.100119	0.03052	-0.20444	8.46E-06
8.12E-06	-0.27436	1.65E-09	-0.37074	1.16E-16	-0.30821	9.82E-12	-0.39465	7.45E-19
0.0001	0.184214	6.21E-05	2.58E-05	0.99956	-0.02806	0.54525	-0.26009	1.17E-08
7.84E-36	-0.347	1.17E-14	-0.47332	1.90E-27	-0.52604	1.36E-34	-0.39631	5.16E-19
6.70E-15	-0.19898	1.48E-05	-0.41226	1.38E-20	-0.37624	3.76E-17	-0.4009	1.85E-19
7.30E-44	-0.34187	3.00E-14	-0.46254	3.91E-26	-0.55064	2.22E-38	-0.51931	1.31E-33
0.25963	-0.00225	0.96136	-0.15204	0.00098	-0.10304	0.02597	-0.0656	0.15695
7.68E-12	-0.11467	0.01315	-0.385	6.00E-18	-0.31476	3.37E-12	-0.31204	5.27E-12
2.43E-06	-0.21156	3.99E-06	-0.30786	1.04E-11	-0.28238	5.20E-10	-0.38836	2.92E-18
3.93E-24	-0.23863	1.80E-07	-0.41023	2.21E-20	-0.41644	5.16E-21	-0.2461	7.16E-08
3.87E-05	0.13534	0.00339	-0.05912	0.20219	-0.05294	0.25353	-0.1103	0.0171
4.77E-11	-0.03131	0.49964	-0.24977	4.50E-08	-0.22787	6.47E-07	-0.28752	2.44E-10
8.85E-17	-0.22486	9.15E-07	-0.37132	1.03E-16	-0.39759	3.88E-19	-0.4424	8.42E-24
8.02E-10	-0.1218	0.00842	-0.28643	2.87E-10	-0.27105	2.62E-09	-0.34767	1.03E-14
2.00E-18	-0.29904	4.21E-11	-0.49266	6.32E-30	-0.45492	3.12E-25	-0.20651	6.81E-06
1.04E-17	-0.14076	0.0023	-0.30059	3.30E-11	-0.32038	1.31E-12	-0.34602	1.40E-14
5.98E-13	-0.20766	6.04E-06	-0.27123	2.56E-09	-0.30161	2.81E-11	-0.40346	1.04E-19
0.16413	0.227082	7.08E-07	-0.07567	0.10243	0.09634	0.03742	-0.06949	0.13373
0.76413	-0.06047	0.19209	-0.26515	5.91E-09	-0.13595	0.00324	-0.25384	2.67E-08
4.42E-18	-0.10641	0.02146	-0.35855	1.30E-15	-0.33681	7.52E-14	-0.33351	1.35E-13
0.26449	0.165869	0.00032	0.021855	0.63758	0.012655	0.78504	-0.25389	2.65E-08
1.04E-09	-0.13308	0.00396	-0.37053	1.21E-16	-0.33093	2.13E-13	-0.33134	1.99E-13
4.15E-20	-0.13587	0.00326	-0.41279	1.22E-20	-0.41452	8.11E-21	-0.04482	0.33379
0.67593	0.064978	0.16094	-0.0119	0.79752	0.023088	0.61872	-0.22456	9.46E-07
3.65E-40	-0.33228	1.68E-13	-0.54924	3.72E-38	-0.56231	2.74E-40	-0.35206	4.50E-15
0.00078	0.049554	0.28522	-0.02682	0.56319	-0.02704	0.5599	-0.35024	6.35E-15
0.06762	0.255382	2.18E-08	0.106375	0.0215	0.087501	0.05883	-0.20793	5.87E-06
2.09E-06	0.024111	0.60325	-0.14924	0.00122	-0.14414	0.00179	-0.4678	9.06E-27
0.28388	0.103382	0.02548	0.054156	0.24279	0.079119	0.08766	-0.15881	0.00057
5.91E-05	-0.09947	0.03163	-0.12208	0.00827	-0.14245	0.00203	-0.28774	2.36E-10
1.49E-15	-0.19408	2.41E-05	-0.36101	8.03E-16	-0.35274	3.96E-15	-0.43583	4.51E-23
4.63E-15	-0.2213	1.37E-06	-0.10952	0.0179	-0.25881	1.39E-08	-0.13155	0.0044
3.50E-39	-0.33486	1.06E-13	-0.44931	1.39E-24	-0.5215	6.29E-34	-0.35118	5.32E-15

2.45E-27	-0.2454	7.82E-08	-0.45269	5.66E-25	-0.44462	4.74E-24	-0.52401	2.71E-34
3.50E-17	-0.09314	0.04424	-0.34175	3.07E-14	-0.32161	1.07E-12	-0.41554	6.38E-21
1.49E-36	-0.26196	9.11E-09	-0.52024	9.59E-34	-0.52459	2.23E-34	-0.35577	2.22E-15
5.38E-12	-0.12972	0.00499	-0.38342	8.39E-18	-0.35442	2.87E-15	-0.28607	3.02E-10
4.24E-22	-0.16387	0.00038	-0.39476	7.26E-19	-0.39764	3.84E-19	-0.42123	1.64E-21
0.0014	-0.02649	0.56801	-0.12904	0.00523	-0.13154	0.00441	-0.219	1.77E-06
0.39738	0.103078	0.02591	-0.09194	0.04706	-0.02093	0.65185	-0.26927	3.36E-09
3.68E-10	-0.18698	4.79E-05	-0.32167	1.06E-12	-0.29965	3.83E-11	-0.20549	7.58E-06
3.36E-27	-0.26356	7.35E-09	-0.46001	7.83E-26	-0.49683	1.76E-30	-0.46582	1.58E-26
9.46E-18	-0.35073	5.79E-15	-0.58321	6.67E-44	-0.51032	2.49E-32	-0.23242	3.80E-07
5.09E-06	0.058268	0.2088	-0.22791	6.43E-07	-0.13882	0.00264	-0.30182	2.72E-11
7.82E-30	-0.33702	7.24E-14	-0.48853	2.21E-29	-0.52118	7.01E-34	-0.55063	2.23E-38
0.00096	-0.25088	3.90E-08	-0.27202	2.29E-09	-0.23598	2.48E-07	-0.20028	1.30E-05
1.28E-09	-0.0123	0.79096	-0.02741	0.55465	0.101125	0.02888	0.48516	6.03E-29
6.12E-24	-0.27226	2.21E-09	-0.43079	1.59E-22	-0.46548	1.73E-26	-0.52304	3.75E-34
0.97643	0.029528	0.52442	-0.0191	0.68053	-0.00065	0.9888	-0.30146	2.88E-11
4.99E-16	-0.27028	2.92E-09	-0.50747	6.21E-32	-0.43885	2.10E-23	-0.47657	7.46E-28
3.17E-34	-0.29896	4.26E-11	-0.38527	5.66E-18	-0.48404	8.40E-29	-0.29409	9.04E-11
7.27E-25	-0.31105	6.19E-12	-0.36052	8.83E-16	-0.43601	4.31E-23	-0.25998	1.19E-08
2.45E-22	-0.22964	5.26E-07	-0.40946	2.64E-20	-0.42559	5.72E-22	-0.34759	1.04E-14
0.00081	0.069317	0.13472	-0.16188	0.00044	-0.1111	0.01631	-0.4499	1.19E-24
2.09E-31	-0.25917	1.32E-08	-0.53601	4.33E-36	-0.51302	1.04E-32	-0.38445	6.74E-18
0.58817	0.089081	0.05439	-0.15403	0.00084	-0.02444	0.59828	-0.1592	0.00055
3.25E-29	-0.40974	2.47E-20	-0.66826	1.01E-61	-0.62747	1.74E-52	-0.1921	2.93E-05
7.89E-24	-0.23587	2.52E-07	-0.46867	7.09E-27	-0.44309	7.06E-24	-0.38616	4.68E-18
5.93E-21	-0.12162	0.00851	-0.35521	2.47E-15	-0.35799	1.45E-15	-0.36964	1.44E-16
7.22E-09	-0.15475	0.00079	-0.34952	7.27E-15	-0.28557	3.26E-10	-0.32359	7.62E-13
8.09E-27	-0.1732	0.00017	-0.39894	2.88E-19	-0.43328	8.55E-23	-0.25908	1.34E-08
2.43E-34	-0.30738	1.12E-11	-0.41559	6.30E-21	-0.48827	2.38E-29	-0.47133	3.35E-27
4.50E-08	0.043935	0.34346	-0.31487	3.30E-12	-0.19809	1.62E-05	-0.32863	3.19E-13
1.85E-08	-0.0298	0.52067	-0.15313	0.0009	-0.16379	0.00038	-0.39589	5.67E-19
1.06E-09	-0.11823	0.01056	-0.33992	4.28E-14	-0.29639	6.35E-11	-0.07282	0.11607
0.00505	-0.00863	0.85239	-0.04022	0.38586	-0.04428	0.33971	-0.22403	1.01E-06
2.79E-13	-0.12526	0.00672	-0.2066	6.75E-06	-0.25951	1.26E-08	-0.17807	0.00011
0.00115	0.009375	0.83988	-0.34614	1.37E-14	-0.19687	1.83E-05	-0.16978	0.00023
9.93E-06	0.141928	0.00211	0.010534	0.8204	0.002788	0.95208	-0.24486	8.36E-08
1.66E-19	-0.24953	4.64E-08	-0.56904	2.01E-41	-0.48817	2.46E-29	-0.40159	1.59E-19
0.01099	-0.25725	1.70E-08	-0.24458	8.66E-08	-0.25774	1.60E-08	-0.07963	0.08562
3.82E-12	-0.19984	1.36E-05	-0.37717	3.10E-17	-0.38041	1.58E-17	0.031712	0.49421
0.00562	-0.19449	2.31E-05	-0.36387	4.58E-16	-0.2809	6.46E-10	0.066347	0.15229
0.02082	-0.51195	1.47E-32	-0.35878	1.24E-15	-0.37642	3.62E-17	-0.03041	0.51207
0.0097	-0.26241	8.57E-09	-0.31534	3.06E-12	-0.28045	6.90E-10	-0.1081	0.01946
1.10E-07	0.148892	0.00125	0.013352	0.77351	0.128089	0.00557	0.239544	1.61E-07
0.00547	-0.2776	1.04E-09	-0.47717	6.27E-28	-0.36347	4.95E-16	0.115758	0.01231
8.67E-07	0.004901	0.91587	0.033889	0.46503	0.085824	0.06387	0.155207	0.00076

0.05596	-0.20803	5.81E-06	-0.10287	0.02621	-0.07578	0.10193	-0.02191	0.63675
0.56812	-0.29975	3.77E-11	-0.28746	2.46E-10	-0.23579	2.54E-07	-0.04439	0.33846
0.0041	-0.15934	0.00055	-0.43703	3.33E-23	-0.32488	6.11E-13	-0.00018	0.99692
3.76E-05	-0.4414	1.09E-23	-0.41186	1.51E-20	-0.42025	2.08E-21	-0.0085	0.85456
2.25E-06	-0.33603	8.64E-14	-0.38933	2.37E-18	-0.3711	1.08E-16	0.074923	0.10587
7.93E-10	0.182187	7.50E-05	0.054625	0.23872	0.220762	1.45E-06	0.271909	2.33E-09
0.018	-0.36589	3.06E-16	-0.20894	5.27E-06	-0.25462	2.41E-08	0.033451	0.47082
2.40E-09	-0.48259	1.29E-28	-0.45584	2.43E-25	-0.46996	4.93E-27	-0.05352	0.24837
0.53776	-0.04279	0.35617	-0.07964	0.08559	-0.10628	0.02162	-0.07799	0.09231
0.00017	-0.26739	4.35E-09	-0.37239	8.27E-17	-0.3417	3.10E-14	-0.02346	0.61305
2.05E-07	-0.18442	6.09E-05	-0.09052	0.05059	-0.00757	0.87046	0.102781	0.02635
5.39E-13	-0.08429	0.06876	-0.07891	0.08852	0.07815	0.09163	0.169757	0.00023
1.17E-06	-0.25757	1.63E-08	-0.40619	5.60E-20	-0.36965	1.44E-16	0.162157	0.00043
0.0229	-0.42223	1.29E-21	-0.34976	6.95E-15	-0.33736	6.80E-14	0.045453	0.32703
0.00017	0.010555	0.82004	-0.09362	0.04315	0.006711	0.885	0.133771	0.00378
2.44E-05	-0.14879	0.00126	-0.35354	3.40E-15	-0.30445	1.80E-11	-0.04585	0.32283
2.66E-08	-0.43627	4.03E-23	-0.46357	2.94E-26	-0.47677	7.05E-28	0.030052	0.51709
0.72233	-0.23799	1.95E-07	-0.23622	2.41E-07	-0.18356	6.60E-05	0.088422	0.05621
0.50098	-0.18741	4.60E-05	-0.30158	2.83E-11	-0.1972	1.77E-05	0.13505	0.00346
0.0287	-0.02292	0.62127	0.056801	0.22051	0.003554	0.93894	0.023029	0.61962
0.10034	-0.29525	7.57E-11	-0.34479	1.76E-14	-0.30087	3.16E-11	0.123637	0.00747
0.03195	-0.08705	0.06016	-0.09475	0.04068	-0.04154	0.37041	-0.03078	0.50704
0.82401	-0.26238	8.61E-09	-0.33879	5.26E-14	-0.25155	3.58E-08	0.082754	0.074
0.19994	-0.25175	3.49E-08	-0.20433	8.55E-06	-0.22108	1.40E-06	0.030195	0.5151
0.01294	-0.21146	4.03E-06	-0.24449	8.76E-08	-0.14502	0.00168	0.15942	0.00054
0.40475	-0.26658	4.87E-09	-0.39945	2.57E-19	-0.30224	2.55E-11	0.118767	0.01021
0.00036	-0.22996	5.07E-07	-0.3177	2.06E-12	-0.3147	3.40E-12	-0.13746	0.00291
3.26E-08	-0.30162	2.81E-11	-0.51921	1.35E-33	-0.44532	3.96E-24	-0.0242	0.60187
0.0115	-0.38692	3.98E-18	-0.40107	1.79E-19	-0.33835	5.69E-14	0.038668	0.40445
0.00559	-0.1084	0.01911	-0.07792	0.09257	-0.01904	0.68151	-0.00135	0.97686
0.00044	-0.10422	0.0243	-0.23394	3.17E-07	-0.21153	4.00E-06	0.152427	0.00095
0.90474	-0.26339	7.51E-09	-0.25128	3.71E-08	-0.21206	3.78E-06	0.037122	0.42351
7.34E-12	-0.28974	1.75E-10	-0.51494	5.54E-33	-0.49299	5.71E-30	-0.143	0.00195
0.06149	-0.28964	1.77E-10	-0.30714	1.17E-11	-0.27508	1.49E-09	0.063006	0.17406
0.01537	-0.29377	9.49E-11	-0.24772	5.84E-08	-0.28207	5.44E-10	0.047223	0.30852
0.05126	-0.47122	3.46E-27	-0.35916	1.15E-15	-0.33147	1.94E-13	0.14207	0.00209
3.93E-12	-0.37196	9.04E-17	-0.50338	2.28E-31	-0.49737	1.49E-30	-0.10733	0.02035
8.29E-13	0.213428	3.26E-06	0.052198	0.26027	0.186825	4.86E-05	0.09377	0.04282
0.16333	-0.3063	1.34E-11	-0.25686	1.80E-08	-0.24121	1.31E-07	-0.14299	0.00195
0.75707	0.182144	7.53E-05	0.154731	0.00079	0.05998	0.19571	0.127539	0.00578
0.35319	0.126011	0.0064	0.079263	0.08708	0.040891	0.37796	0.087472	0.05891
0.00146	-0.42515	6.37E-22	-0.31424	3.67E-12	-0.32797	3.58E-13	0.012302	0.7909
0.00638	-0.19931	1.43E-05	-0.39342	9.75E-19	-0.33236	1.66E-13	0.069855	0.13172
0.19138	-0.05605	0.22666	-0.05598	0.22723	-0.02446	0.59805	0.043696	0.3461
6.59E-05	-0.29507	7.77E-11	-0.32994	2.54E-13	-0.3243	6.74E-13	0.147117	0.00143

0.00035	-0.16537	0.00033	-0.22446	9.57E-07	-0.23776	2.00E-07	0.078334	0.09086
0.00712	-0.27992	7.44E-10	-0.36271	5.75E-16	-0.33759	6.52E-14	-0.00339	0.94174
6.44E-07	-0.39803	3.52E-19	-0.44699	2.56E-24	-0.44881	1.58E-24	-0.14674	0.00147
6.07E-09	-0.38731	3.66E-18	-0.42849	2.81E-22	-0.43448	6.33E-23	-0.06975	0.1323
0.02053	0.008092	0.86154	-0.06686	0.14911	0.011357	0.80663	0.057605	0.21404
0.179	0.125978	0.00641	-0.08087	0.08086	-0.00237	0.95927	0.304035	1.92E-11
4.21E-06	-0.22231	1.22E-06	-0.16248	0.00042	-0.26102	1.03E-08	0.022212	0.63209
2.18E-05	-0.08354	0.07128	-0.10365	0.02509	0.054013	0.24404	0.040645	0.38084
0.01474	-0.20328	9.54E-06	-0.33054	2.29E-13	-0.2809	6.45E-10	0.060717	0.19026
1.17E-05	-0.23222	3.89E-07	-0.44579	3.50E-24	-0.37871	2.25E-17	0.020152	0.66402
1.07E-06	-0.2079	5.89E-06	-0.32731	4.02E-13	-0.35162	4.90E-15	-0.07958	0.08583
1.26E-10	-0.21224	3.71E-06	-0.31926	1.59E-12	-0.35472	2.71E-15	0.078129	0.09171
9.15E-10	-0.34181	3.03E-14	-0.4322	1.12E-22	-0.42656	4.52E-22	-0.05485	0.23676
0.02741	-0.36809	1.97E-16	-0.34297	2.45E-14	-0.33363	1.32E-13	0.153648	0.00086
2.19E-06	-0.31208	5.23E-12	-0.50876	4.11E-32	-0.43137	1.38E-22	0.087877	0.05774
0.01106	-0.17198	0.00019	-0.09867	0.03303	-0.04966	0.28419	0.03077	0.50713
0.0086	0.242173	1.17E-07	-0.00941	0.83929	0.071457	0.12306	0.012005	0.79584
0.39199	-0.42857	2.76E-22	-0.45179	7.20E-25	-0.4031	1.13E-19	-0.02929	0.52777
4.93E-15	-0.15543	0.00075	-0.29429	8.76E-11	-0.39427	8.08E-19	-0.05716	0.21757
1.16E-05	-0.22424	9.81E-07	-0.35196	4.59E-15	-0.32684	4.36E-13	0.195791	2.03E-05
0.00049	-0.3704	1.24E-16	-0.39363	9.31E-19	-0.37894	2.15E-17	0.018677	0.68727
0.07821	-0.14064	0.00232	-0.25248	3.18E-08	-0.1034	0.02545	0.209816	4.81E-06
9.26E-06	-0.09461	0.04098	-0.06352	0.17055	0.019568	0.67319	0.048265	0.29796
0.05548	-0.25909	1.34E-08	-0.43353	8.04E-23	-0.31504	3.21E-12	0.037167	0.42296
0.06038	-0.02205	0.63453	-0.02558	0.58133	-0.0249	0.59143	0.064424	0.16455
0.04407	-0.23653	2.32E-07	-0.27248	2.15E-09	-0.16112	0.00047	0.272119	2.26E-09
0.79259	-0.32409	6.99E-13	-0.43039	1.76E-22	-0.31616	2.67E-12	0.116518	0.01174
0.01045	-0.24612	7.14E-08	-0.32905	2.97E-13	-0.28173	5.73E-10	-0.12784	0.00566
0.01145	-0.12767	0.00573	-0.2369	2.22E-07	-0.11095	0.01646	0.044169	0.34089
0.49405	-0.16094	0.00048	-0.20778	5.97E-06	-0.1388	0.00265	0.04456	0.33663
1.09E-06	-0.20914	5.17E-06	-0.22293	1.14E-06	-0.28718	2.56E-10	0.121353	0.00866
5.76E-05	-0.19228	2.87E-05	-0.24264	1.10E-07	-0.27104	2.63E-09	0.045336	0.32827
0.36394	0.007498	0.87162	-0.14366	0.00186	-0.01955	0.67349	0.002834	0.95129
0.00024	-0.28039	6.95E-10	-0.36524	3.49E-16	-0.33098	2.12E-13	0.090911	0.0496
2.07E-07	-0.31014	7.18E-12	-0.44296	7.30E-24	-0.42614	5.01E-22	0.080768	0.08123
0.84192	-0.34351	2.22E-14	-0.31831	1.86E-12	-0.24491	8.31E-08	0.103027	0.02599
0.13157	-0.20372	9.11E-06	-0.33078	2.19E-13	-0.27696	1.14E-09	0.174331	0.00015
0.34038	-0.18097	8.40E-05	-0.27598	1.31E-09	-0.23226	3.87E-07	-0.03373	0.46707
0.02369	-0.07466	0.10711	-0.09241	0.04594	-0.01565	0.7359	0.103256	0.02566
0.69473	-0.28518	3.45E-10	-0.28888	1.99E-10	-0.25013	4.30E-08	0.022463	0.62825
0.06301	-0.34573	1.48E-14	-0.25495	2.31E-08	-0.24009	1.51E-07	0.01389	0.76465
0.01018	-0.25487	2.33E-08	-0.28449	3.82E-10	-0.28537	3.36E-10	0.076238	0.09987
0.56465	-0.1306	0.0047	-0.2779	9.95E-10	-0.18173	7.83E-05	0.075394	0.10369
2.09E-15	-0.19961	1.39E-05	-0.24012	1.50E-07	-0.34559	1.51E-14	0.00118	0.97972
0.49413	-0.31802	1.96E-12	-0.31936	1.56E-12	-0.30438	1.82E-11	0.059612	0.19847

0.3205	-0.38938	2.35E-18	-0.31986	1.44E-12	-0.24477	8.46E-08	0.090066	0.05176
0.01487	-0.32164	1.06E-12	-0.4103	2.17E-20	-0.36085	8.28E-16	0.056991	0.21897
0.45526	-0.18807	4.31E-05	-0.16562	0.00033	-0.1198	0.00956	-0.01724	0.71017
0.02587	-0.17153	0.0002	-0.14462	0.00173	-0.17529	0.00014	-0.06662	0.1506
1.18E-22	-0.15369	0.00086	-0.21829	1.92E-06	-0.37512	4.73E-17	-0.06533	0.15871
0.10809	-0.40089	1.86E-19	-0.37785	2.70E-17	-0.28451	3.81E-10	0.014562	0.75362
0.95389	-0.26027	1.14E-08	-0.20214	1.07E-05	-0.20309	9.73E-06	-0.00101	0.98261
8.42E-14	-0.22041	1.51E-06	-0.26936	3.32E-09	-0.36746	2.24E-16	0.048616	0.29446
4.90E-21	-0.21947	1.68E-06	-0.36543	3.35E-16	-0.47611	8.52E-28	-0.03405	0.46291
8.21E-09	-0.22156	1.33E-06	-0.25362	2.74E-08	-0.3225	9.17E-13	0.077305	0.0952
0.84448	-0.24677	6.58E-08	-0.32391	7.22E-13	-0.25363	2.74E-08	0.12961	0.00503
0.00987	-0.31592	2.78E-12	-0.25772	1.60E-08	-0.27986	7.51E-10	0.003918	0.9327
7.49E-07	-0.42707	3.98E-22	-0.43602	4.30E-23	-0.45167	7.42E-25	-0.09114	0.04902
6.22E-27	-0.25793	1.56E-08	-0.39401	8.56E-19	-0.49233	6.99E-30	-0.14685	0.00146
4.31E-06	-0.30395	1.94E-11	-0.31596	2.76E-12	-0.36978	1.41E-16	-0.17157	0.0002
6.15E-12	-0.19131	3.16E-05	-0.33196	1.78E-13	-0.37601	3.94E-17	-0.12624	0.0063
0.31065	-0.06161	0.18379	-0.27496	1.51E-09	-0.15869	0.00058	0.193452	2.56E-05
0.46946	-0.24604	7.22E-08	-0.30736	1.13E-11	-0.2083	5.65E-06	0.078799	0.08895
0.05876	0.050634	0.27484	-0.14449	0.00174	-0.05586	0.22828	-0.0164	0.72369
0.85638	-0.20039	1.28E-05	-0.28143	5.98E-10	-0.20114	1.19E-05	-0.01641	0.72352
2.31E-09	-0.4152	6.92E-21	-0.42548	5.88E-22	-0.47913	3.56E-28	-0.03349	0.47024
2.08E-05	0.02009	0.665	0.045393	0.32766	0.057545	0.21451	0.093056	0.04444
0.71911	0.034977	0.45081	-0.07748	0.09446	-0.05837	0.20799	0.287706	2.37E-10
0.75054	-0.17275	0.00018	-0.27063	2.78E-09	-0.17273	0.00018	0.021513	0.64286
1.51E-08	-0.39063	1.79E-18	-0.38648	4.37E-18	-0.4201	2.16E-21	-0.17645	0.00013
0.00101	-0.29418	8.92E-11	-0.37057	1.20E-16	-0.34453	1.84E-14	-0.00895	0.84709
3.97E-13	-0.39399	8.59E-19	-0.53895	1.53E-36	-0.5204	9.10E-34	0.003625	0.93773
0.09828	-0.2553	2.20E-08	-0.1924	2.84E-05	-0.24582	7.42E-08	0.078657	0.08953
0.00012	-0.33666	7.72E-14	-0.48289	1.18E-28	-0.40481	7.66E-20	0.118044	0.01068
0.01982	-0.06601	0.15438	-0.13478	0.00352	-0.03651	0.43126	0.153734	0.00086
0.40206	-0.43438	6.50E-23	-0.31025	7.06E-12	-0.29986	3.70E-11	-0.06027	0.19359
0.00144	-0.24925	4.81E-08	-0.26731	4.40E-09	-0.29553	7.25E-11	0.000619	0.98935
4.06E-06	-0.13783	0.00284	-0.08217	0.07606	-0.01657	0.72102	0.350433	6.12E-15
0.00104	-0.29664	6.11E-11	-0.30485	1.68E-11	-0.32195	1.01E-12	-0.01547	0.73879
0.60961	-0.17756	0.00011	-0.21662	2.30E-06	-0.1758	0.00013	0.076623	0.09816
0.8149	0.101578	0.02817	0.037032	0.42464	0.023586	0.61118	0.060181	0.19421
0.11888	0.007953	0.8639	-0.12597	0.00642	-0.11648	0.01177	0.031713	0.4942
2.08E-09	-0.14566	0.0016	-0.4869	3.59E-29	-0.40667	5.01E-20	0.002362	0.95941
0.00034	-0.21562	2.57E-06	-0.28017	7.17E-10	-0.28398	4.12E-10	0.086756	0.06102
0.00646	-0.3826	9.96E-18	-0.33001	2.51E-13	-0.35109	5.41E-15	-0.01896	0.68271
0.56178	-0.04754	0.30525	-0.14222	0.00206	-0.11046	0.01694	-0.00049	0.9916
0.00034	-0.26366	7.24E-09	-0.49822	1.14E-30	-0.41141	1.68E-20	0.094244	0.04178
0.5179	-0.2392	1.68E-07	-0.24945	4.68E-08	-0.18725	4.67E-05	0.122107	0.00825
1.58E-13	-0.29558	7.19E-11	-0.38102	1.39E-17	-0.43926	1.89E-23	-0.05306	0.25247
0.04595	-0.46818	8.15E-27	-0.38708	3.84E-18	-0.41093	1.88E-20	0.030216	0.51481

0.00243	-0.45952	8.97E-26	-0.3709	1.12E-16	-0.3684	1.86E-16	0.043282	0.35068
0.04759	-0.32583	5.19E-13	-0.3818	1.18E-17	-0.34465	1.80E-14	0.047813	0.30251
0.80108	-0.28037	6.97E-10	-0.23772	2.01E-07	-0.18845	4.16E-05	0.012903	0.78094
2.28E-05	-0.09632	0.03746	-0.09237	0.04605	0.030598	0.50951	0.023166	0.61753
6.23E-05	-0.43832	2.40E-23	-0.46464	2.19E-26	-0.43975	1.67E-23	-0.04852	0.29545
0.00137	-0.28544	3.32E-10	-0.30614	1.37E-11	-0.28302	4.74E-10	0.032473	0.48389
0.00426	-0.31073	6.52E-12	-0.31137	5.88E-12	-0.30149	2.87E-11	-0.04096	0.37714
0.98661	-0.2234	1.08E-06	-0.28408	4.06E-10	-0.21667	2.29E-06	0.075864	0.10155
1.54E-29	-0.41307	1.14E-20	-0.42043	1.99E-21	-0.55461	5.08E-39	-0.18999	3.59E-05
0.00804	0.232236	3.88E-07	0.01532	0.74124	0.085597	0.06457	0.034342	0.45908
0.04358	-0.26351	7.40E-09	-0.34175	3.07E-14	-0.24611	7.15E-08	0.137605	0.00288
0.49034	0.087102	0.06	-0.06148	0.18473	0.000983	0.9831	0.270453	2.85E-09
0.80555	0.103306	0.02559	-0.00321	0.94488	0.005033	0.91362	0.303284	2.16E-11
0.00034	-0.16	0.00052	-0.10103	0.02904	-0.17809	0.00011	0.034664	0.45488
0.90461	0.030976	0.50428	-0.00457	0.92153	0.008855	0.84864	0.00469	0.91949
0.85862	0.13185	0.00432	0.036413	0.43243	0.051075	0.27068	0.131275	0.00449
0.0019	0.12223	0.00819	0.104536	0.02387	0.112599	0.01491	0.153672	0.00086
0.49531	0.151227	0.00104	-0.03279	0.47967	0.003026	0.948	0.197136	1.78E-05
0.01938	-0.1352	0.00342	-0.12816	0.00554	-0.15087	0.00107	0.114618	0.0132
0.10939	-0.04125	0.37379	-0.08113	0.07987	-0.06607	0.15402	0.061473	0.18479
0.60019	0.073152	0.1144	-0.00878	0.84999	0.032802	0.47947	0.062698	0.17618
0.89575	0.108673	0.01882	-0.06982	0.13189	0.000505	0.99132	0.01874	0.68627
0.87006	0.053297	0.25035	-0.00577	0.90099	0.001105	0.981	0.018293	0.69337
0.73843	0.085786	0.06398	-0.05429	0.24166	-0.01078	0.81631	0.11467	0.01315
0.06503	0.002535	0.95643	-0.07664	0.09807	-0.06617	0.15336	0.046486	0.31614
0.01272	-0.04323	0.35127	-0.09224	0.04636	-0.09247	0.0458	0.022694	0.62473
0.00013	0.026481	0.56812	-0.14035	0.00237	-0.13677	0.00306	-0.08339	0.07179
0.00342	-0.12749	0.0058	-0.12626	0.00629	-0.14551	0.00162	-0.00781	0.86626
0.46378	0.099309	0.0319	0.099238	0.03203	0.050167	0.2793	0.128924	0.00527
0.18137	0.145419	0.00163	0.020646	0.65631	0.013009	0.77919	0.401518	1.62E-19
0.0045	0.074672	0.10705	-0.11879	0.01019	-0.07282	0.11605	0.312156	5.17E-12
0.64641	0.028045	0.54547	-0.07252	0.11758	-0.04112	0.37527	0.197377	1.74E-05
0.84617	-0.01498	0.74673	-0.1195	0.00974	-0.07607	0.10064	0.236634	2.30E-07
0.00029	-0.01789	0.69973	-0.07234	0.1185	0.028267	0.5423	0.296255	6.48E-11
0.05343	-0.01883	0.68477	0.021482	0.64334	0.054204	0.24237	0.339593	4.55E-14
0.54751	-0.03344	0.47101	-0.08474	0.06732	-0.05669	0.2214	0.113281	0.01431
0.81617	0.101602	0.02813	-0.04924	0.28827	0.003774	0.93517	0.155789	0.00073
0.04631	-0.05209	0.26129	-0.08081	0.08107	-0.07963	0.08562	0.021298	0.64618
0.01667	4.06E-05	0.9993	-0.10961	0.01782	-0.08606	0.06313	-0.05705	0.2185
0.76212	0.075377	0.10377	-0.03464	0.45515	0.017624	0.70405	0.158963	0.00056
0.00308	0.101862	0.02773	0.050785	0.27341	0.119727	0.00961	0.141639	0.00215
0.02172	0.178145	0.00011	0.067417	0.14577	0.12768	0.00573	0.314278	3.65E-12
8.30E-07	0.12817	0.00554	0.139191	0.00257	0.23041	4.81E-07	0.33731	6.86E-14
0.91447	0.005334	0.90848	-0.02288	0.62193	-0.01758	0.70467	0.040197	0.38612
0.3185	0.047968	0.30095	-0.03489	0.45199	-0.01868	0.68724	0.074215	0.10922

0.26198	-0.00223	0.96175	-0.04794	0.3012	-0.02861	0.53734	-0.06441	0.16466
0.00579	0.073416	0.1131	0.009284	0.84141	0.113243	0.01434	0.259125	1.33E-08
0.03501	0.151702	0.00101	-0.02964	0.52285	0.069269	0.13499	0.299942	3.66E-11
0.01702	0.142997	0.00195	0.012371	0.78975	0.104903	0.02338	0.190591	3.39E-05
0.40568	0.085964	0.06343	-0.01147	0.80472	0.051834	0.26361	0.150637	0.00109
0.63239	0.016714	0.71866	0.005719	0.9019	0.01202	0.79558	-0.02233	0.63024
0.39895	-0.01894	0.68314	-0.10884	0.01864	-0.05964	0.19824	0.037261	0.42178
0.13307	0.100246	0.03031	0.038498	0.40653	0.083358	0.07191	0.239062	1.71E-07
0.85583	0.047407	0.30664	0.003311	0.94311	0.000799	0.98626	0.053173	0.25146
0.46629	0.083755	0.07056	0.00261	0.95515	0.048857	0.29207	0.109057	0.0184
0.36287	-0.00172	0.97047	-0.03513	0.44879	-0.01769	0.70305	0.00889	0.84806
0.03122	-0.075	0.10551	-0.07103	0.12531	-0.08974	0.05261	-0.04556	0.32585
0.76247	0.02401	0.60478	-0.0193	0.67748	0.009101	0.8445	0.043991	0.34285
0.38294	0.019619	0.67239	-0.01574	0.73435	-0.01389	0.76459	0.056125	0.22606
0.07769	-0.00809	0.86164	-0.10294	0.02611	-0.08589	0.06366	0.131831	0.00432
0.00819	0.086725	0.06112	0.034231	0.46053	0.092228	0.04637	0.255992	2.01E-08
0.01657	0.034368	0.45873	-0.02421	0.60182	0.063067	0.17365	0.253951	2.63E-08
0.06393	-0.08927	0.05388	-0.06307	0.17363	-0.08775	0.0581	-0.16896	0.00024
0.12831	0.097305	0.03554	0.030724	0.50776	0.0091	0.84451	0.072906	0.11563
0.01535	-0.10696	0.02078	-0.00508	0.91288	0.034306	0.45955	0.275076	1.49E-09
0.91142	0.013988	0.76305	-0.10651	0.02132	-0.04467	0.33544	0.168001	0.00027
0.56226	-0.07238	0.1183	-0.06949	0.13374	-0.0469	0.31186	0.184157	6.25E-05
0.00014	0.089355	0.05365	0.155677	0.00074	0.182549	7.26E-05	0.432044	1.17E-22
0.06923	0.033635	0.46838	-0.03732	0.421	0.028199	0.54326	0.114124	0.0136
0.32058	0.039565	0.39363	-0.06161	0.18383	-0.03232	0.48598	0.14585	0.00158
0.00109	0.129559	0.00505	0.03132	0.49957	0.140356	0.00237	0.194443	2.33E-05
0.61088	0.040358	0.38421	-0.0061	0.89536	0.002243	0.96145	0.142569	0.00201
0.72093	0.071342	0.12367	-0.0591	0.20235	0.000826	0.9858	0.276953	1.14E-09
0.01615	0.017674	0.70325	0.054139	0.24294	0.093365	0.04373	0.180224	8.99E-05
0.26234	0.064546	0.16375	-0.08102	0.08028	-0.03218	0.48791	0.155055	0.00077
0.35684	0.049264	0.28806	-0.07324	0.11394	-0.03636	0.43306	0.121291	0.0087
0.01609	-0.05233	0.25904	-0.07066	0.1273	-0.08938	0.05359	0.131972	0.00428
2.17E-08	0.196892	1.82E-05	0.280249	7.10E-10	0.303098	2.22E-11	0.460554	6.75E-26
0.53688	0.185462	5.53E-05	0.101808	0.02781	0.114069	0.01364	0.108848	0.01863
0.88915	0.037401	0.42004	0.011725	0.8005	0.025315	0.58528	0.21117	4.16E-06
0.71682	-0.05233	0.25904	-0.10587	0.02213	-0.06036	0.19289	0.097501	0.03517
0.91227	0.056403	0.22377	0.09347	0.0435	0.055354	0.23251	0.282753	4.93E-10
0.00459	0.077898	0.09268	0.077318	0.09514	0.112361	0.01513	0.366864	2.52E-16
0.01364	0.25435	2.49E-08	0.149434	0.0012	0.174785	0.00015	0.341668	3.12E-14
0.08304	0.077646	0.09374	0.010665	0.8182	0.066269	0.15277	0.148357	0.0013
0.01177	-0.08524	0.06568	-0.12843	0.00545	-0.1214	0.00863	0.007889	0.86499
0.418	-0.02966	0.52252	-0.10131	0.0286	-0.08707	0.0601	0.061414	0.18522
0.19171	0.014045	0.76211	-0.07264	0.11699	-0.05195	0.26252	0.085764	0.06405
0.27822	-0.03415	0.46153	-0.15212	0.00097	-0.0884	0.05626	0.114869	0.01299
0.63654	-0.00901	0.84604	-0.05864	0.20588	-0.05601	0.22699	0.22423	9.82E-07



9.17E-05	0.069273	0.13497	-0.10663	0.02119	-0.10224	0.02715	0.300204	3.51E-11
0.0209	0.062209	0.17958	0.054525	0.23959	0.066701	0.15011	0.232779	3.64E-07
0.00069	0.002857	0.9509	-0.05338	0.24961	-0.09482	0.04055	0.110332	0.01707
0.13647	0.052601	0.2566	-0.00826	0.85872	-0.02107	0.64978	0.199147	1.45E-05
0.13668	0.034765	0.45355	-0.05621	0.22538	-0.05194	0.26267	0.095938	0.03822
0.10563	0.047667	0.30399	-0.07483	0.10631	-0.05406	0.24367	0.102442	0.02685
0.00949	-0.04411	0.34149	-0.08361	0.07105	-0.10577	0.02226	0.109101	0.01835
0.24031	0.150701	0.00109	0.034586	0.45589	0.08495	0.06663	0.191806	3.01E-05
0.43443	0.164608	0.00035	0.030483	0.5111	0.08085	0.08092	0.215152	2.70E-06
0.61649	0.079108	0.0877	-0.01805	0.69724	0.01047	0.82147	0.200987	1.21E-05
0.16251	-0.00717	0.87722	-0.04361	0.34705	-0.04792	0.30142	0.026536	0.56731
0.33271	0.117745	0.01088	-0.01324	0.77534	0.010598	0.81931	0.181264	8.17E-05
0.59029	0.069735	0.13238	-0.04165	0.36911	-0.00448	0.92305	0.129039	0.00523
0.04003	0.023379	0.6143	-0.10366	0.02508	-0.08688	0.06067	-0.0233	0.61554
0.85478	0.033614	0.46865	-0.04287	0.35526	0.003181	0.94534	0.07103	0.12533
0.54325	0.097679	0.03484	-0.03851	0.40642	0.005254	0.90985	0.174966	0.00014
0.00459	0.117912	0.01077	-0.01024	0.82529	-0.02913	0.53003	0.227722	6.58E-07
0.351	0.000261	0.99551	-0.03396	0.4641	0.000616	0.98941	0.074215	0.10922
0.39815	-0.00576	0.90117	-0.07462	0.10727	-0.04388	0.34407	0.079609	0.08571
0.77842	0.037326	0.42097	-0.05642	0.22361	-0.01757	0.70486	0.108503	0.01901
0.13947	0.005663	0.90287	-0.09925	0.03201	-0.06504	0.16053	0.13597	0.00324
0.8119	0.171166	0.0002	-0.00588	0.89923	0.078304	0.09098	0.296774	5.98E-11
7.99E-05	-0.02491	0.5913	-0.04889	0.29173	0.04738	0.30691	0.370493	1.22E-16
0.35159	0.060982	0.18833	-0.00892	0.84759	-0.00962	0.83572	0.153559	0.00087
0.21459	0.075266	0.10428	-0.03654	0.4308	-0.02343	0.61346	0.241423	1.28E-07
0.73222	0.051634	0.26546	-0.10804	0.01953	-0.05927	0.20103	0.368651	1.76E-16
7.11E-10	-0.27369	1.81E-09	-0.31455	3.49E-12	-0.39678	4.65E-19	0.012811	0.78247
5.37E-10	-0.43341	8.28E-23	-0.44891	1.54E-24	-0.45485	3.18E-25	-0.01745	0.70688
8.39E-17	-0.43286	9.51E-23	-0.43607	4.25E-23	-0.52531	1.74E-34	0.08255	0.07472
0.1409	-0.02319	0.61722	-0.0712	0.12444	-0.10308	0.02591	0.320412	1.31E-12
1.13E-08	-0.05214	0.26081	-0.16111	0.00047	-0.25193	3.41E-08	0.073014	0.11509
1.51E-18	-0.43943	1.81E-23	-0.33594	8.78E-14	-0.49578	2.43E-30	-0.0962	0.0377
0.79042	-0.17478	0.00015	-0.40536	6.77E-20	-0.2582	1.50E-08	0.152743	0.00093
0.13693	-0.16983	0.00023	-0.15523	0.00076	-0.12737	0.00584	0.066264	0.1528
1.88E-27	-0.49217	7.34E-30	-0.44141	1.09E-23	-0.58497	3.21E-44	-0.03941	0.39544
9.01E-10	-0.40154	1.61E-19	-0.41783	3.71E-21	-0.46335	3.13E-26	0.089967	0.05202
1.65E-05	-0.25821	1.50E-08	-0.20971	4.86E-06	-0.24508	8.14E-08	0.167477	0.00028
1.25E-22	-0.52347	3.25E-34	-0.33345	1.37E-13	-0.52522	1.80E-34	-0.04798	0.30078
2.71E-14	-0.34822	9.28E-15	-0.27825	9.47E-10	-0.4186	3.09E-21	0.153153	0.0009
0.14239	-0.12947	0.00508	-0.25516	2.24E-08	-0.19826	1.59E-05	-0.04269	0.35732
1.31E-15	-0.38301	9.14E-18	-0.18262	7.21E-05	-0.38574	5.12E-18	0.124974	0.00685
1.18E-30	-0.57913	3.54E-43	-0.48126	1.91E-28	-0.62843	1.09E-52	-0.30483	1.69E-11
1.57E-19	-0.36764	2.16E-16	-0.42522	6.27E-22	-0.50151	4.10E-31	0.258027	1.54E-08
3.65E-18	-0.35888	1.22E-15	-0.45454	3.46E-25	-0.49528	2.83E-30	-0.08461	0.06771
0.27517	-0.33942	4.69E-14	-0.23195	4.01E-07	-0.26804	3.99E-09	0.260727	1.07E-08

1.40E-12	-0.41908	2.75E-21	-0.39173	1.41E-18	-0.47102	3.65E-27	-0.005	0.91421
2.42E-24	-0.48631	4.28E-29	-0.4904	1.26E-29	-0.57234	5.45E-42	-0.25582	2.06E-08
2.12E-21	-0.52598	1.39E-34	-0.53357	1.02E-35	-0.61002	6.11E-49	-0.04455	0.33676
5.83E-12	-0.42764	3.46E-22	-0.48348	9.91E-29	-0.5272	9.15E-35	-0.05474	0.23775
0.00176	-0.28874	2.03E-10	-0.37263	7.88E-17	-0.3056	1.49E-11	0.241307	1.30E-07
3.20E-12	-0.33951	4.61E-14	-0.26068	1.08E-08	-0.40487	7.56E-20	0.104173	0.02437
2.86E-05	-0.30716	1.16E-11	-0.06447	0.16423	-0.2501	4.32E-08	0.009425	0.83904
5.24E-17	-0.33543	9.62E-14	-0.32189	1.02E-12	-0.46148	5.25E-26	-0.04726	0.30813
1.82E-11	-0.2847	3.70E-10	-0.23307	3.52E-07	-0.35773	1.52E-15	0.235254	2.71E-07
1.52E-07	-0.32836	3.34E-13	-0.31337	4.24E-12	-0.37461	5.26E-17	-0.0012	0.9794
0.0024	-0.40813	3.59E-20	-0.37959	1.87E-17	-0.40816	3.56E-20	0.089231	0.05398
4.81E-05	-0.1625	0.00042	-0.31377	3.96E-12	-0.28551	3.29E-10	0.013826	0.7657
0.00046	-0.11331	0.01429	-0.30073	3.23E-11	-0.25623	1.95E-08	-0.08993	0.05213
2.10E-22	-0.47165	3.05E-27	-0.44498	4.33E-24	-0.54812	5.62E-38	0.069349	0.13454
5.36E-11	-0.37333	6.84E-17	-0.41638	5.23E-21	-0.45447	3.51E-25	-0.05372	0.24664
1.17E-12	-0.34943	7.40E-15	-0.38899	2.55E-18	-0.42662	4.45E-22	-0.05204	0.26167
0.00509	-0.25391	2.64E-08	-0.23202	3.98E-07	-0.2618	9.31E-09	0.192943	2.69E-05
0.00286	-0.14193	0.00211	-0.14932	0.00121	-0.16867	0.00025	0.394173	8.26E-19
4.75E-23	-0.53048	2.97E-35	-0.5135	8.88E-33	-0.61736	2.10E-50	-0.02719	0.55777
4.66E-09	-0.37762	2.83E-17	-0.37508	4.77E-17	-0.43754	2.93E-23	-0.17323	0.00017
2.78E-16	-0.41741	4.10E-21	-0.35597	2.13E-15	-0.49108	1.02E-29	0.011455	0.80499
1.57E-08	-0.08558	0.06463	-0.17414	0.00016	-0.25243	3.20E-08	0.066588	0.1508
4.80E-13	-0.18986	3.63E-05	-0.36481	3.79E-16	-0.39009	2.01E-18	0.051621	0.26558
4.40E-10	-0.34789	9.87E-15	-0.18556	5.48E-05	-0.33097	2.12E-13	0.249998	4.37E-08
0.01851	-0.48391	8.73E-29	-0.4056	6.40E-20	-0.4013	1.69E-19	0.059713	0.19771
1.79E-15	-0.35782	1.49E-15	-0.31225	5.09E-12	-0.4251	6.44E-22	0.050856	0.27274
9.44E-13	-0.40657	5.13E-20	-0.305	1.64E-11	-0.42949	2.19E-22	0.075403	0.10365
0.26742	-0.32722	4.08E-13	-0.39836	3.27E-19	-0.31147	5.79E-12	0.180474	8.79E-05
1.22E-14	-0.30228	2.53E-11	-0.35479	2.68E-15	-0.42368	9.10E-22	0.14195	0.00211
0.00028	-0.21456	2.89E-06	-0.18978	3.66E-05	-0.21813	1.95E-06	0.287915	2.30E-10
4.79E-12	-0.32613	4.93E-13	-0.39454	7.62E-19	-0.44966	1.27E-24	-0.03293	0.47777
0.00256	-0.28404	4.08E-10	-0.34165	3.13E-14	-0.31286	4.61E-12	0.201389	1.16E-05
6.98E-12	-0.20765	6.05E-06	-0.28484	3.63E-10	-0.36255	5.93E-16	0.010444	0.82191
0.57411	-0.10703	0.02071	-0.16783	0.00027	-0.16281	0.00041	0.134636	0.00356
2.02E-16	-0.21019	4.62E-06	-0.2547	2.38E-08	-0.37501	4.85E-17	0.013641	0.76875
1.97E-11	-0.2649	6.12E-09	-0.26373	7.18E-09	-0.37033	1.26E-16	0.056559	0.22248
7.77E-11	-0.19423	2.38E-05	-0.27781	1.01E-09	-0.31827	1.87E-12	-0.04671	0.31377
3.13E-08	-0.39569	5.92E-19	-0.35583	2.19E-15	-0.38834	2.94E-18	-0.01453	0.75418
4.27E-15	-0.31148	5.78E-12	-0.35965	1.05E-15	-0.44624	3.11E-24	0.019413	0.67563
9.75E-05	-0.10488	0.02342	-0.23255	3.74E-07	-0.23364	3.28E-07	0.210149	4.64E-06
1.14E-21	-0.2643	6.64E-09	-0.44574	3.55E-24	-0.48068	2.26E-28	0.06886	0.13732
0.0003	-0.24268	1.10E-07	-0.3022	2.56E-11	-0.26522	5.86E-09	0.109618	0.0178
0.00041	-0.2554	2.18E-08	-0.32397	7.13E-13	-0.30976	7.64E-12	0.016899	0.71567
0.94756	-0.10186	0.02773	-0.15319	0.0009	-0.09661	0.03688	0.385495	5.40E-18
4.01E-07	-0.38654	4.32E-18	-0.16234	0.00043	-0.29681	5.95E-11	-0.18027	8.95E-05

3.08E-08	-0.26321	7.70E-09	-0.32378	7.37E-13	-0.35593	2.15E-15	0.02054	0.65796
0.0737	-0.2278	6.52E-07	-0.23003	5.03E-07	-0.22514	8.86E-07	0.150778	0.00108
0.00353	-0.19953	1.40E-05	-0.07613	0.10033	-0.18545	5.53E-05	0.188115	4.30E-05
4.82E-05	-0.10968	0.01773	-0.19038	3.46E-05	-0.21323	3.33E-06	0.30807	1.00E-11
0.14847	-0.1008	0.0294	-0.23596	2.49E-07	-0.18934	3.82E-05	0.198235	1.59E-05
0.00044	-0.48213	1.47E-28	-0.361	8.04E-16	-0.37854	2.33E-17	0.083331	0.072
0.00855	-0.37866	2.27E-17	-0.29669	6.06E-11	-0.31954	1.52E-12	0.04809	0.29971
0.00103	-0.43106	1.49E-22	-0.40454	8.15E-20	-0.37093	1.11E-16	0.004637	0.92039
4.20E-14	-0.53654	3.59E-36	-0.49089	1.08E-29	-0.55679	2.24E-39	0.006001	0.89709
6.96E-10	-0.27676	1.17E-09	-0.15571	0.00073	-0.32236	9.40E-13	0.092932	0.04472
0.42006	-0.35837	1.34E-15	-0.20744	6.18E-06	-0.26687	4.68E-09	-0.01399	0.76303
2.95E-21	-0.48633	4.26E-29	-0.48245	1.34E-28	-0.57304	4.13E-42	-0.01096	0.81325
3.57E-26	-0.18194	7.68E-05	-0.29627	6.47E-11	-0.41141	1.68E-20	0.030508	0.51075
6.38E-23	-0.46874	6.97E-27	-0.58712	1.32E-44	-0.60021	4.85E-47	0.014647	0.75224
0.00027	-0.36458	3.98E-16	-0.2224	1.21E-06	-0.30715	1.16E-11	0.013886	0.76472
2.20E-34	-0.59487	4.92E-46	-0.57823	5.11E-43	-0.67729	5.69E-64	-0.05221	0.2602
3.68E-16	-0.45433	3.65E-25	-0.42679	4.27E-22	-0.51464	6.10E-33	-0.09482	0.04054
0.00011	-0.3698	1.40E-16	-0.21459	2.88E-06	-0.30476	1.71E-11	0.100743	0.0295
3.70E-10	-0.43855	2.26E-23	-0.26692	4.64E-09	-0.36891	1.67E-16	-0.06116	0.18702
4.94E-11	-0.49625	2.10E-30	-0.37656	3.52E-17	-0.46274	3.70E-26	-0.02135	0.64533
3.08E-15	-0.45919	9.81E-26	-0.40195	1.47E-19	-0.50007	6.44E-31	-0.1168	0.01153
1.59E-15	-0.28964	1.78E-10	-0.33848	5.56E-14	-0.43538	5.05E-23	0.135438	0.00336
2.92E-09	-0.21914	1.74E-06	-0.18858	4.11E-05	-0.33438	1.16E-13	0.129514	0.00506
8.89E-20	-0.47895	3.74E-28	-0.52269	4.22E-34	-0.5765	1.03E-42	-0.03516	0.4485
0.00256	-0.25859	1.43E-08	-0.33541	9.64E-14	-0.29846	4.61E-11	-0.13465	0.00355
2.29E-05	-0.06125	0.18642	-0.27199	2.30E-09	-0.22638	7.68E-07	0.155744	0.00073
3.40E-18	-0.31385	3.92E-12	-0.46264	3.81E-26	-0.49392	4.30E-30	0.207787	5.96E-06
0.584	-0.2583	1.48E-08	-0.12119	0.00875	-0.17149	0.0002	0.231708	4.13E-07
1.16E-07	-0.34124	3.37E-14	-0.29249	1.15E-10	-0.3633	5.12E-16	0.122683	0.00795
0.91802	-0.20593	7.24E-06	-0.22076	1.45E-06	-0.17371	0.00016	-0.12653	0.00618
1.71E-14	-0.39294	1.08E-18	-0.27533	1.44E-09	-0.42153	1.53E-21	0.001597	0.97255
2.40E-21	-0.45172	7.33E-25	-0.42535	6.08E-22	-0.54678	9.15E-38	-0.10922	0.01822
3.67E-10	-0.40138	1.66E-19	-0.33348	1.36E-13	-0.4192	2.67E-21	-0.04614	0.31978
0.81182	-0.17995	9.21E-05	-0.2948	8.11E-11	-0.23038	4.83E-07	0.260992	1.04E-08
2.21E-43	-0.44096	1.22E-23	-0.53819	2.01E-36	-0.6558	9.49E-59	-0.24323	1.02E-07
0.06598	-0.28091	6.45E-10	-0.16164	0.00045	-0.20054	1.26E-05	0.135043	0.00346
0.00928	-0.43312	8.90E-23	-0.42764	3.47E-22	-0.39721	4.23E-19	0.063393	0.17143
9.34E-11	-0.1128	0.01473	-0.19068	3.36E-05	-0.26928	3.36E-09	-0.06249	0.17764
2.49E-24	-0.51164	1.62E-32	-0.58889	6.25E-45	-0.62326	1.31E-51	-0.16137	0.00046
0.09847	-0.21159	3.98E-06	-0.059	0.20316	-0.0768	0.09739	0.415608	6.28E-21
0.00015	-0.10517	0.02303	-0.095	0.04016	-0.19538	2.12E-05	0.116901	0.01147
4.80E-06	-0.13468	0.00355	-0.17517	0.00014	-0.01515	0.74398	0.289079	1.93E-10
1.88E-12	-0.37097	1.10E-16	-0.25524	2.22E-08	-0.3977	3.79E-19	0.163336	0.00039
2.76E-38	-0.45253	5.91E-25	-0.38842	2.89E-18	-0.59482	5.03E-46	-0.16292	0.00041
1.85E-14	-0.49783	1.29E-30	-0.50357	2.14E-31	-0.55775	1.56E-39	0.045389	0.32771

0.0583	-0.29006	1.67E-10	-0.16902	0.00024	-0.23086	4.56E-07	0.271281	2.54E-09
1.58E-16	-0.43693	3.41E-23	-0.35675	1.84E-15	-0.47528	1.08E-27	0.041977	0.36541
0.41571	-0.13862	0.00268	-0.07397	0.11041	-0.15946	0.00054	0.029416	0.52601
7.20E-20	-0.4905	1.22E-29	-0.47961	3.09E-28	-0.56399	1.43E-40	-0.06187	0.18196
2.93E-23	-0.45917	9.85E-26	-0.47465	1.30E-27	-0.58159	1.30E-43	0.015201	0.74319
1.46E-24	-0.49006	1.39E-29	-0.51511	5.23E-33	-0.61023	5.57E-49	-0.05545	0.23173
3.36E-08	-0.4158	6.00E-21	-0.36131	7.57E-16	-0.40097	1.83E-19	0.033181	0.47441
7.74E-12	-0.52333	3.40E-34	-0.43351	8.08E-23	-0.49794	1.25E-30	-0.01355	0.77025
0.41503	-0.17267	0.00018	-0.23163	4.17E-07	-0.21433	2.96E-06	0.06316	0.17301
1.31E-18	-0.48428	7.83E-29	-0.35123	5.27E-15	-0.47678	7.03E-28	-0.14162	0.00216
2.46E-05	0.166105	0.00031	0.110794	0.01661	0.176423	0.00013	0.611959	2.53E-49
3.72E-22	0.332868	1.52E-13	0.431524	1.33E-22	0.45449	3.50E-25	0.84364	#####
6.42E-05	0.22883	5.78E-07	0.077444	0.0946	0.164865	0.00035	0.578899	3.90E-43
4.55E-20	0.383664	7.96E-18	0.396428	5.03E-19	0.439891	1.61E-23	0.72784	3.32E-78
8.71E-18	0.306037	1.39E-11	0.085137	0.06603	0.285658	3.21E-10	0.502057	3.45E-31
3.16E-09	0.423191	1.03E-21	0.300236	3.49E-11	0.318711	1.74E-12	0.770088	7.99E-93
7.64E-09	-0.07528	0.10421	-0.00742	0.8729	0.071419	0.12327	0.485963	4.75E-29
2.24E-19	0.160073	0.00052	0.266598	4.86E-09	0.308601	9.22E-12	0.824702	#####
3.76E-16	-0.06704	0.14803	0.097778	0.03465	0.165531	0.00033	0.708451	2.20E-72
8.15E-28	0.504696	1.50E-31	0.409246	2.77E-20	0.485646	5.22E-29	0.785603	5.25E-99
2.86E-19	0.270173	2.96E-09	0.038317	0.40874	0.263462	7.44E-09	0.629975	5.17E-53
7.67E-19	0.249788	4.49E-08	0.407986	3.71E-20	0.442904	7.40E-24	0.683949	1.11E-65
4.17E-09	0.295132	7.70E-11	0.287015	2.63E-10	0.314853	3.31E-12	0.720122	7.90E-76
0.42855	-0.0562	0.22546	0.120324	0.00925	0.069344	0.13457	0.612802	1.72E-49
1.54E-06	0.179981	9.19E-05	0.085093	0.06617	0.146057	0.00155	0.539982	1.06E-36
0.00692	-0.08372	0.07067	-0.04786	0.30201	-0.00957	0.83651	0.525129	1.85E-34
4.19E-16	0.257955	1.55E-08	0.16559	0.00033	0.280805	6.55E-10	0.774741	1.26E-94
0.00116	0.098217	0.03384	0.001192	0.9795	0.08408	0.06947	0.710945	4.17E-73
6.65E-05	0.172704	0.00018	0.130375	0.00477	0.170658	0.00021	0.795776	#####
2.25E-05	0.037268	0.4217	-0.10114	0.02886	0.057251	0.21687	0.631415	2.56E-53
7.13E-12	-0.03649	0.4314	-0.12455	0.00704	0.068778	0.13779	0.610753	4.39E-49
1.50E-07	-0.1075	0.02015	0.044396	0.33842	0.082117	0.07626	0.661763	3.74E-60
6.67E-06	-0.0141	0.76124	0.146615	0.00149	0.078491	0.09021	0.626639	2.60E-52
2.00E-29	0.336023	8.65E-14	0.359013	1.19E-15	0.466653	1.25E-26	0.726419	9.22E-78
8.26E-19	0.15795	0.00061	0.182795	7.09E-05	0.2747	1.57E-09	0.84717	#####
1.83E-22	0.274556	1.60E-09	0.357195	1.69E-15	0.392437	1.21E-18	0.860022	#####
0.00025	0.285313	3.38E-10	0.084956	0.06661	0.16727	0.00028	0.574323	2.47E-42
4.66E-17	0.244732	8.50E-08	0.366053	2.97E-16	0.387187	3.76E-18	0.712308	1.67E-73
0.27334	0.030498	0.5109	-0.04028	0.38507	-0.01609	0.7287	0.584993	3.19E-44
1.26E-21	0.489918	1.45E-29	0.4697	5.31E-27	0.509241	3.52E-32	0.835999	#####
1.33E-09	0.026522	0.56752	-0.05423	0.24217	0.071675	0.12192	0.729847	7.76E-79
0.00172	-0.0281	0.54465	0.050464	0.27646	0.071553	0.12256	0.473061	2.04E-27
7.72E-08	0.073319	0.11358	0.22299	1.13E-06	0.219844	1.61E-06	0.787191	1.14E-99
1.56E-12	0.27272	2.08E-09	0.299445	3.95E-11	0.326612	4.53E-13	0.533235	1.14E-35
9.52E-08	0.119255	0.0099	0.323381	7.90E-13	0.271679	2.40E-09	0.795716	#####

1.56E-18	0.233751	3.24E-07	0.146658	0.00148	0.269352	3.32E-09	0.745289	6.84E-84
4.58E-13	0.337723	6.37E-14	0.241998	1.19E-07	0.319999	1.40E-12	0.666599	2.56E-61
6.55E-14	0.154618	0.0008	0.325727	5.28E-13	0.343018	2.43E-14	0.633865	7.66E-54
2.67E-20	0.232664	3.69E-07	0.2646	6.38E-09	0.351299	5.20E-15	0.720418	6.42E-76
8.92E-08	0.030813	0.50653	0.223004	1.13E-06	0.215767	2.53E-06	0.724985	2.57E-77
4.42E-10	-0.04074	0.37972	0.170202	0.00022	0.147024	0.00144	0.679237	1.83E-64
2.32E-17	0.250089	4.32E-08	0.233164	3.48E-07	0.336863	7.44E-14	0.731168	2.96E-79
2.52E-18	0.262414	8.57E-09	0.226856	7.27E-07	0.342336	2.76E-14	0.686538	2.34E-66
0.0018	0.102857	0.02624	0.215776	2.53E-06	0.151678	0.00101	0.722097	1.98E-76
0.13338	0.002411	0.95856	-0.03762	0.4173	0.020064	0.6654	0.643757	5.26E-56
5.96E-08	0.322252	9.57E-13	0.02232	0.63044	0.159507	0.00054	0.566141	6.24E-41
0.1268	0.204175	8.69E-06	0.087931	0.05759	0.132835	0.00403	0.529852	3.69E-35
1.41E-62	0.289167	1.91E-10	0.390921	1.68E-18	0.484855	6.60E-29	0.769148	1.83E-92
0.06187	0.168625	0.00025	0.038441	0.40722	0.110641	0.01676	0.604645	6.84E-48
0.00445	0.243319	1.01E-07	0.243942	9.38E-08	0.22532	8.67E-07	0.591613	1.98E-45
5.17E-14	0.175202	0.00014	0.233279	3.43E-07	0.2744	1.64E-09	0.603393	1.19E-47
0.00019	0.175423	0.00014	0.126703	0.00611	0.189166	3.89E-05	0.534009	8.73E-36
1.57E-08	0.134292	0.00364	0.000488	0.99161	0.137854	0.00283	0.650698	1.43E-57
6.00E-07	0.098828	0.03275	0.037671	0.41669	0.102913	0.02615	0.722461	1.53E-76
4.05E-12	0.3018	2.73E-11	0.212346	3.67E-06	0.313445	4.18E-12	0.576496	1.03E-42
0.4345	0.125279	0.00671	0.139926	0.00244	0.042597	0.35837	0.472795	2.20E-27
0.00027	0.180818	8.51E-05	0.02005	0.66562	0.091238	0.04878	0.753401	1.07E-86
0.22492	0.028226	0.54289	-0.03173	0.494	-0.00933	0.8406	0.658302	2.47E-59
0.2046	-0.06069	0.1905	-0.12223	0.00819	-0.0387	0.40404	0.315442	3.01E-12
4.11E-18	0.207554	6.11E-06	0.157444	0.00064	0.304269	1.85E-11	0.649379	2.86E-57
1.14E-27	0.326032	5.01E-13	0.348301	9.14E-15	0.439884	1.61E-23	0.870495	#####
3.09E-21	0.100955	0.02916	0.158905	0.00057	0.264031	6.89E-09	0.67792	3.95E-64
0.81473	-0.09929	0.03193	-0.04952	0.28553	-0.05159	0.26587	0.588982	6.01E-45
6.42E-22	0.467324	1.04E-26	0.604957	5.95E-48	0.590995	2.57E-45	0.653197	3.81E-58
3.23E-08	0.216492	2.34E-06	0.279388	8.04E-10	0.299649	3.83E-11	0.584425	4.03E-44
3.33E-26	0.41223	1.39E-20	0.545528	1.44E-37	0.565359	8.45E-41	0.736269	6.78E-81
0.0104	-0.03105	0.50332	-0.08566	0.06438	0.003951	0.93214	0.500755	5.20E-31
7.10E-25	0.360978	8.08E-16	0.46859	7.26E-27	0.49339	5.06E-30	0.630061	4.95E-53
3.29E-08	0.306436	1.31E-11	0.310492	6.78E-12	0.330344	2.37E-13	0.763872	1.76E-90
0.0003	0.039033	0.40003	-0.01241	0.78915	0.079064	0.08788	0.596534	2.40E-46
0.62233	0.048651	0.29411	-0.10216	0.02727	-0.06792	0.1428	0.620294	5.32E-51
0.25961	0.105393	0.02274	0.107223	0.02047	0.108225	0.01932	0.578081	5.43E-43
1.49E-22	0.365378	3.39E-16	0.345389	1.57E-14	0.462914	3.53E-26	0.778644	3.59E-96
0.64011	0.139966	0.00243	0.111891	0.01556	0.091478	0.04819	0.518671	1.62E-33
5.46E-35	0.319324	1.57E-12	0.34364	2.17E-14	0.484014	8.47E-29	0.705163	1.92E-71
6.48E-06	-0.04588	0.32253	-0.01989	0.66809	0.055529	0.23103	0.535538	5.11E-36
9.53E-08	-0.18342	6.69E-05	0.125497	0.00662	0.059084	0.20248	0.623826	1.00E-51
0.08813	-0.14562	0.0016	-0.00415	0.9287	-0.02223	0.63186	0.674772	2.46E-63
1.87E-07	0.173679	0.00016	0.15818	0.0006	0.207392	6.21E-06	0.673118	6.38E-63
0.17057	0.152681	0.00093	0.062343	0.17865	0.066682	0.15022	0.690689	1.86E-67

0.00043	0.23023	4.91E-07	0.250593	4.05E-08	0.212722	3.52E-06	0.676	1.21E-63
7.57E-12	0.26696	4.62E-09	0.327457	3.91E-13	0.34225	2.80E-14	0.648676	4.13E-57
0.00873	-0.10934	0.01809	-0.07546	0.10337	-0.12678	0.00608	0.566379	5.68E-41
7.40E-07	0.09736	0.03544	0.183146	6.86E-05	0.202931	9.88E-06	0.695054	1.24E-68
0.00025	-0.09601	0.03807	0.064131	0.16648	0.064905	0.16141	0.524344	2.42E-34
2.59E-18	0.139697	0.00248	0.151645	0.00101	0.276988	1.13E-09	0.70692	6.05E-72
0.07489	-0.05203	0.26181	-0.18321	6.82E-05	-0.07671	0.0978	0.660741	6.54E-60
1.65E-11	0.323171	8.18E-13	0.351437	5.07E-15	0.376418	3.62E-17	0.685388	4.69E-66
0.03747	0.095822	0.03846	0.12958	0.00504	0.120409	0.0092	0.5206	8.51E-34
0.87588	0.095094	0.03996	0.016323	0.72497	-0.00784	0.86576	0.583449	6.04E-44
6.75E-30	0.352451	4.18E-15	0.396276	5.20E-19	0.457143	1.71E-25	0.814818	#####
0.10265	-0.07453	0.10772	-0.22235	1.22E-06	-0.08354	0.07129	0.520791	7.98E-34
5.66E-12	0.287604	2.41E-10	0.105711	0.02233	0.274305	1.66E-09	0.55859	1.13E-39
8.00E-06	0.042218	0.36266	0.023873	0.60684	0.091845	0.04729	0.708618	1.97E-72
0.25232	0.196856	1.83E-05	0.138286	0.00275	0.125572	0.00659	0.47593	8.98E-28
0.00011	0.234934	2.82E-07	0.243821	9.52E-08	0.246372	6.92E-08	0.681505	4.78E-65
4.65E-22	0.44905	1.49E-24	0.452655	5.72E-25	0.498581	1.02E-30	0.739821	4.64E-82
0.01576	0.006271	0.89248	-0.00203	0.96503	0.073744	0.11149	0.619109	9.28E-51
4.00E-18	0.272775	2.06E-09	0.360217	9.37E-16	0.402385	1.33E-19	0.808994	#####
1.37E-17	0.169003	0.00024	0.167331	0.00028	0.256531	1.87E-08	0.678233	3.29E-64
0.3061	0.150996	0.00106	-0.06349	0.1708	-0.03937	0.39592	0.546597	9.80E-38
7.62E-17	0.039566	0.39362	-0.13648	0.00312	0.084525	0.06801	0.571516	7.55E-42
1.87E-06	0.059938	0.19603	0.091951	0.04704	0.131104	0.00454	0.758781	1.29E-88
4.94E-10	0.269624	3.20E-09	0.273677	1.82E-09	0.303125	2.22E-11	0.772532	9.15E-94
1.84E-05	0.027541	0.55273	-0.09059	0.05041	0.021099	0.64926	0.513554	8.71E-33
2.98E-05	0.191853	3.00E-05	0.18685	4.85E-05	0.218634	1.84E-06	0.548882	4.25E-38
2.28E-15	0.306349	1.33E-11	0.430603	1.67E-22	0.425586	5.73E-22	0.580817	1.78E-43
1.85E-13	0.109096	0.01836	0.009791	0.83286	0.175514	0.00014	0.737877	2.02E-81
2.08E-08	0.121751	0.00844	0.168125	0.00026	0.22377	1.04E-06	0.758499	1.63E-88
0.07998	0.107382	0.02028	-0.02911	0.53036	0.040648	0.38081	0.614056	9.69E-50
1.16E-05	0.253513	2.78E-08	-0.01299	0.77957	0.147034	0.00144	0.580066	2.42E-43
0.01016	-0.08508	0.06621	-0.23145	4.26E-07	-0.0967	0.0367	0.633912	7.48E-54
3.73E-09	0.290182	1.64E-10	0.34714	1.14E-14	0.304865	1.68E-11	0.637546	1.23E-54
0.08499	-0.0349	0.45185	-0.06721	0.14703	-0.00376	0.93545	0.579005	3.73E-43
0.00449	0.295348	7.45E-11	0.053209	0.25114	0.138377	0.00273	0.672723	8.00E-63
0.0522	-0.03122	0.50089	-0.06974	0.13233	0.007013	0.87985	0.536601	3.52E-36
0.00409	0.144408	0.00176	0.242011	1.19E-07	0.213152	3.36E-06	0.634788	4.85E-54
9.27E-20	0.281873	5.60E-10	0.292868	1.09E-10	0.387246	3.71E-18	0.77281	7.14E-94
0.87686	0.160986	0.00048	0.098296	0.0337	0.107415	0.02025	0.315918	2.78E-12
1.62E-17	0.354396	2.89E-15	0.306226	1.35E-11	0.377591	2.84E-17	0.850168	#####
3.60E-20	0.215519	2.60E-06	0.403851	9.53E-20	0.413506	1.03E-20	0.750158	1.46E-85
8.37E-30	0.34276	2.55E-14	0.341583	3.16E-14	0.443015	7.19E-24	0.861873	#####
2.54E-32	0.663766	1.24E-60	0.606249	3.34E-48	0.655098	1.38E-58	0.693641	2.99E-68
4.73E-20	0.306963	1.20E-11	0.530427	3.03E-35	0.489277	1.76E-29	0.570884	9.70E-42
6.20E-19	0.437127	3.25E-23	0.331642	1.88E-13	0.442301	8.65E-24	0.654075	2.39E-58

1.95E-08	0.555783	3.27E-39	0.438255	2.44E-23	0.446875	2.63E-24	0.606633	2.82E-48
0.02894	0.026959	0.56115	0.045289	0.32878	0.075358	0.10386	0.673758	4.42E-63
1.31E-09	0.286652	2.77E-10	0.306994	1.19E-11	0.307569	1.09E-11	0.575146	1.77E-42
1.57E-11	0.489294	1.75E-29	0.311153	6.09E-12	0.376876	3.30E-17	0.787662	#####
5.17E-07	0.27041	2.87E-09	0.261725	9.40E-09	0.284934	3.58E-10	0.774708	1.30E-94
1.18E-20	0.411797	1.53E-20	0.265045	6.00E-09	0.391384	1.52E-18	0.623867	9.80E-52
5.93E-22	0.254397	2.48E-08	0.308551	9.30E-12	0.367523	2.21E-16	0.825751	#####
2.41E-05	0.100172	0.03043	0.24044	1.45E-07	0.179947	9.22E-05	0.627363	1.83E-52
1.59E-06	0.219264	1.72E-06	0.181173	8.24E-05	0.220703	1.46E-06	0.615652	4.64E-50
0.68276	-0.07856	0.08991	-0.13184	0.00432	-0.07467	0.10706	0.536555	3.57E-36
2.03E-10	0.342126	2.87E-14	0.189931	3.61E-05	0.266866	4.68E-09	0.603033	1.40E-47
1.95E-05	0.15544	0.00075	0.066121	0.15369	0.152206	0.00097	0.582269	9.82E-44
1.88E-12	0.364902	3.73E-16	0.52306	3.73E-34	0.424996	6.62E-22	0.550351	2.47E-38
0.96705	0.152822	0.00092	-0.0217	0.63991	0.025546	0.58187	0.493014	5.67E-30
1.12E-19	0.372549	8.01E-17	0.593841	7.64E-46	0.518179	1.90E-33	0.692899	4.74E-68
0.02055	-0.13985	0.00245	-0.01958	0.67308	-0.01023	0.82546	0.560458	5.57E-40
8.60E-05	0.141739	0.00214	0.201248	1.17E-05	0.222034	1.26E-06	0.595286	4.11E-46
1.16E-09	0.118884	0.01013	0.161391	0.00046	0.221378	1.36E-06	0.780573	6.03E-97
3.53E-24	0.251356	3.67E-08	0.164031	0.00037	0.344739	1.77E-14	0.500087	6.40E-31
2.17E-27	0.213728	3.16E-06	0.198945	1.48E-05	0.311111	6.13E-12	0.521211	6.93E-34
4.61E-10	0.170424	0.00022	0.103799	0.02489	0.172481	0.00018	0.59074	2.86E-45
4.32E-19	-0.4433	6.69E-24	-0.41982	2.31E-21	-0.49042	1.25E-29	-0.37561	4.28E-17
2.27E-11	-0.32189	1.02E-12	-0.38259	9.99E-18	-0.40398	9.26E-20	-0.09424	0.0418
0.00026	-0.32441	6.62E-13	-0.3337	1.31E-13	-0.31701	2.31E-12	-0.08847	0.05607
9.06E-09	-0.35014	6.47E-15	-0.46188	4.70E-26	-0.41807	3.50E-21	-0.04379	0.34503
5.49E-13	-0.52156	6.17E-34	-0.42596	5.23E-22	-0.46978	5.20E-27	-0.24937	4.74E-08
1.61E-08	-0.38587	4.98E-18	-0.22491	9.09E-07	-0.32246	9.24E-13	-0.11182	0.01563
0.00012	-0.19327	2.61E-05	-0.21528	2.67E-06	-0.21825	1.92E-06	-0.05586	0.22823
4.09E-06	-0.26495	6.08E-09	-0.09243	0.04589	-0.23352	3.33E-07	-0.18982	3.65E-05
6.63E-05	-0.29428	8.77E-11	-0.28213	5.39E-10	-0.29208	1.23E-10	-0.02763	0.55147
1.77E-12	-0.28241	5.18E-10	-0.30346	2.10E-11	-0.36905	1.63E-16	-0.18707	4.75E-05
3.01E-08	-0.14742	0.0014	-0.05055	0.27563	-0.19334	2.59E-05	-0.08252	0.07484
6.30E-08	-0.31269	4.74E-12	-0.22113	1.40E-06	-0.30429	1.84E-11	-0.19716	1.77E-05
1.21E-10	-0.24992	4.41E-08	-0.22053	1.49E-06	-0.29019	1.63E-10	-0.14818	0.00132
5.65E-08	-0.3562	2.04E-15	-0.41894	2.85E-21	-0.40197	1.46E-19	-0.08647	0.06188
4.01E-13	-0.44079	1.28E-23	-0.41003	2.31E-20	-0.46615	1.44E-26	-0.24971	4.54E-08
0.21152	-0.27013	2.98E-09	-0.06247	0.17777	-0.11434	0.01342	-0.087	0.06028
1.86E-08	-0.36749	2.22E-16	-0.28867	2.05E-10	-0.33826	5.79E-14	-0.06267	0.17641
0.6835	-0.0667	0.15012	0.024195	0.60199	-0.01966	0.67175	-0.06147	0.18479
0.00212	-0.37797	2.63E-17	-0.41683	4.70E-21	-0.3591	1.16E-15	-0.07163	0.12214
0.18991	-0.08348	0.0715	-0.16934	0.00024	-0.15202	0.00098	-0.1149	0.01297
3.42E-12	-0.39848	3.19E-19	-0.48902	1.90E-29	-0.45851	1.18E-25	-0.19422	2.38E-05
1.01E-06	-0.31566	2.90E-12	-0.15899	0.00056	-0.27435	1.65E-09	-0.09785	0.03451
2.75E-09	-0.16436	0.00036	-0.19852	1.55E-05	-0.24529	7.92E-08	-0.09459	0.04102
0.7885	-0.15693	0.00067	-0.11293	0.01462	-0.11463	0.01319	-0.07461	0.10732

0.20677	-0.18654	4.99E-05	0.047912	0.3015	-0.06678	0.14961	-0.01411	0.76102
2.12E-06	-0.30737	1.12E-11	-0.37038	1.24E-16	-0.34485	1.74E-14	-0.11778	0.01085
8.74E-10	-0.25579	2.07E-08	-0.30327	2.17E-11	-0.33259	1.59E-13	-0.18982	3.65E-05
7.73E-19	-0.38505	5.93E-18	-0.37882	2.20E-17	-0.4574	1.60E-25	-0.26289	8.04E-09
0.0005	-0.1893	3.84E-05	-0.22527	8.73E-07	-0.21404	3.05E-06	-0.01291	0.78075
0.10998	0.062363	0.1785	0.056921	0.21954	-0.01109	0.81103	0.029121	0.53016
3.17E-16	-0.46376	2.80E-26	-0.43179	1.24E-22	-0.4727	2.26E-27	-0.23549	2.63E-07
0.01123	-0.17813	0.00011	-0.18213	7.54E-05	-0.18859	4.11E-05	-0.0195	0.67424
2.76E-06	-0.44014	1.51E-23	-0.44612	3.21E-24	-0.43416	6.86E-23	-0.1371	0.00299
1.72E-18	-0.29853	4.55E-11	-0.30251	2.44E-11	-0.3687	1.75E-16	-0.38168	1.21E-17
0.01234	-0.27128	2.54E-09	-0.0793	0.08693	-0.14584	0.00158	-0.01288	0.78125
0.0043	-0.25058	4.06E-08	-0.118	0.01071	-0.18808	4.31E-05	0.012968	0.77986
0.01219	-0.21234	3.67E-06	-0.1412	0.00222	-0.17639	0.00013	0.026325	0.57041
3.41E-15	-0.47483	1.23E-27	-0.4753	1.08E-27	-0.48987	1.47E-29	-0.17938	9.71E-05
1.81E-18	-0.36031	9.20E-16	-0.44226	8.73E-24	-0.46881	6.82E-27	-0.27686	1.16E-09
6.44E-05	-0.22218	1.24E-06	-0.30299	2.26E-11	-0.27224	2.22E-09	-0.12592	0.00644
0.00039	-0.28843	2.13E-10	-0.31698	2.33E-12	-0.29725	5.56E-11	-0.05831	0.20846
1.94E-05	-0.23695	2.21E-07	-0.29968	3.81E-11	-0.28712	2.59E-10	-0.27963	7.76E-10
0.18281	-0.09543	0.03926	-0.06815	0.14145	-0.10293	0.02613	-0.01126	0.80826
0.55063	-0.15775	0.00062	-0.00267	0.95412	-0.07675	0.0976	-0.05313	0.25184
1.81E-06	-0.36995	1.36E-16	-0.41374	9.75E-21	-0.38693	3.97E-18	0.079143	0.08756
0.57973	-0.01709	0.71263	0.158161	0.0006	0.07857	0.08989	0.066472	0.15151
0.00037	-0.14773	0.00137	-0.13999	0.00243	-0.19574	2.05E-05	-0.05137	0.26789
7.04E-05	-0.10904	0.01842	-0.13902	0.00261	-0.18049	8.78E-05	-0.00864	0.85233
0.01485	-0.10978	0.01764	-0.04017	0.38639	-0.12235	0.00813	-0.25871	1.41E-08
7.02E-09	-0.10699	0.02075	-0.08487	0.06687	-0.16827	0.00026	0.104625	0.02375
1.34E-06	0.051348	0.26813	-0.09233	0.04614	-0.11762	0.01096	0.106909	0.02085
3.14E-08	-0.08577	0.06402	-0.21878	1.81E-06	-0.22865	5.91E-07	0.001298	0.97768
8.98E-18	-0.00937	0.83994	-0.19112	3.22E-05	-0.29088	1.47E-10	0.131568	0.0044
1.05E-23	-0.20747	6.16E-06	-0.37542	4.45E-17	-0.44985	1.20E-24	0.025034	0.58946
7.06E-22	-0.04635	0.31755	-0.25408	2.58E-08	-0.33371	1.31E-13	-0.16397	0.00037
1.98E-13	-0.15501	0.00078	-0.33706	7.18E-14	-0.38239	1.04E-17	0.172645	0.00018
7.45E-11	0.067358	0.14612	-0.14814	0.00132	-0.19215	2.91E-05	0.156914	0.00067
2.50E-32	-0.26425	6.69E-09	-0.30078	3.20E-11	-0.46719	1.07E-26	0.104087	0.02449
1.22E-13	-0.07148	0.12295	-0.28685	2.69E-10	-0.30066	3.27E-11	-0.12362	0.00748
1.67E-22	-0.18683	4.86E-05	-0.21625	2.40E-06	-0.36525	3.48E-16	-0.01872	0.68663
7.29E-16	0.040886	0.37802	-0.15877	0.00057	-0.28372	4.28E-10	0.080639	0.08172
1.46E-21	-0.02875	0.53539	-0.25609	1.99E-08	-0.33621	8.36E-14	-0.04967	0.28409
6.22E-05	0.008003	0.86305	0.061694	0.18322	-0.07448	0.10795	0.188661	4.08E-05
9.76E-06	-0.0666	0.15071	-0.31134	5.91E-12	-0.27207	2.27E-09	0.399602	2.48E-19
3.36E-08	-0.22412	9.95E-07	-0.22094	1.42E-06	-0.2897	1.76E-10	0.257252	1.70E-08
1.42E-08	-0.16914	0.00024	-0.33285	1.52E-13	-0.31397	3.83E-12	0.256433	1.90E-08
4.07E-34	-0.12557	0.00659	-0.17453	0.00015	-0.38624	4.60E-18	-0.14756	0.00138
1.89E-17	-0.09232	0.04615	-0.27714	1.11E-09	-0.36349	4.93E-16	-0.01571	0.73488
2.54E-23	0.205924	7.25E-06	0.266007	5.26E-09	0.378256	2.48E-17	-0.25589	2.04E-08



0.00114	0.170082	0.00022	0.010319	0.82399	-0.08652	0.06174	0.118123	0.01063
3.35E-19	-0.13241	0.00415	-0.33574	9.10E-14	-0.37779	2.73E-17	-0.03744	0.41958
9.55E-41	-0.38668	4.19E-18	-0.54216	4.88E-37	-0.62644	2.86E-52	-0.0928	0.04502
0.00098	-0.06918	0.1355	-0.19924	1.44E-05	-0.18605	5.23E-05	0.1887	4.06E-05
1.44E-09	-0.05994	0.19604	-0.30493	1.66E-11	-0.31147	5.78E-12	0.11248	0.01502
4.53E-14	-0.1123	0.01518	-0.288	2.27E-10	-0.36702	2.45E-16	-0.0007	0.98793
6.03E-53	-0.28949	1.81E-10	-0.32847	3.28E-13	-0.51541	4.74E-33	-0.05904	0.20284
2.69E-21	-0.20259	1.02E-05	-0.3193	1.58E-12	-0.38721	3.74E-18	0.236742	2.27E-07
0.00019	-0.00311	0.94658	0.137731	0.00286	-0.03173	0.49394	0.22341	1.08E-06
8.23E-08	-0.06496	0.16105	-0.27786	1.00E-09	-0.27148	2.47E-09	0.186648	4.94E-05
0.01013	0.16374	0.00038	-0.07415	0.10955	-0.04729	0.30787	0.347777	1.01E-14
5.46E-18	-0.20418	8.69E-06	-0.41771	3.81E-21	-0.43846	2.32E-23	0.176588	0.00013
9.13E-23	-0.28686	2.69E-10	-0.20028	1.30E-05	-0.38108	1.37E-17	0.068767	0.13785
3.12E-09	-0.24855	5.26E-08	-0.26968	3.18E-09	-0.34197	2.95E-14	0.287081	2.60E-10
4.55E-22	-0.2854	3.34E-10	-0.46329	3.18E-26	-0.49225	7.15E-30	0.044229	0.34023
1.56E-30	-0.40116	1.75E-19	-0.51885	1.52E-33	-0.57964	2.88E-43	-0.0089	0.84783
0.00804	0.122785	0.0079	-0.01291	0.78084	-0.0588	0.20468	0.209518	4.96E-06
4.82E-14	-0.22038	1.52E-06	-0.33154	1.92E-13	-0.37112	1.07E-16	0.254365	2.49E-08
6.80E-22	0.052939	0.25355	0.223137	1.11E-06	0.329272	2.85E-13	0.027787	0.54917
9.78E-18	-0.20794	5.86E-06	-0.22703	7.12E-07	-0.33806	6.00E-14	0.036198	0.43515
6.01E-08	-0.09253	0.04566	0.002589	0.9555	-0.15912	0.00056	0.133408	0.00387
9.38E-19	-0.04709	0.30985	-0.20027	1.30E-05	-0.30614	1.37E-11	0.024416	0.59867
0.00054	0.059728	0.1976	-0.06296	0.17441	-0.07458	0.10748	0.365954	3.02E-16
7.70E-23	-0.14196	0.0021	-0.16776	0.00027	-0.33037	2.35E-13	0.01954	0.67362
2.46E-41	-0.27949	7.92E-10	-0.44582	3.47E-24	-0.55272	1.03E-38	-0.11485	0.01301
1.09E-23	-0.17626	0.00013	-0.40833	3.43E-20	-0.44042	1.40E-23	0.087881	0.05774
2.63E-11	-0.15427	0.00082	-0.02379	0.60802	-0.21818	1.94E-06	0.111672	0.01576
1.35E-41	-0.35713	1.71E-15	-0.36409	4.38E-16	-0.53061	2.84E-35	-0.16221	0.00043
8.65E-57	0.263574	7.33E-09	0.289604	1.78E-10	0.484556	7.21E-29	0.143734	0.00185
1.87E-24	-0.15056	0.0011	-0.28122	6.16E-10	-0.35425	2.97E-15	-0.04879	0.29274
4.55E-09	-0.06477	0.16228	-0.25007	4.33E-08	-0.26192	9.16E-09	0.010771	0.81642
4.30E-09	-0.18673	4.90E-05	-0.18899	3.95E-05	-0.2817	5.75E-10	0.367627	2.17E-16
6.20E-30	-0.39658	4.87E-19	-0.48812	2.49E-29	-0.54894	4.16E-38	0.046854	0.31232
7.51E-24	-0.24034	1.46E-07	-0.27344	1.88E-09	-0.41783	3.71E-21	0.050456	0.27654
2.79E-05	-0.08221	0.07592	-0.04046	0.38302	-0.11773	0.01089	0.413854	9.49E-21
8.02E-08	-0.01297	0.77975	-0.08407	0.06951	-0.20633	6.94E-06	0.016899	0.71568
2.08E-21	-0.1947	2.27E-05	-0.31458	3.47E-12	-0.37392	6.06E-17	0.085952	0.06347
2.76E-36	-0.29105	1.43E-10	-0.32407	7.02E-13	-0.48944	1.68E-29	-0.30073	3.23E-11
1.12E-08	0.060248	0.19372	-0.21443	2.93E-06	-0.21555	2.59E-06	0.247619	5.91E-08
1.50E-08	-0.05443	0.24044	-0.02346	0.61312	-0.16048	0.0005	0.094504	0.04122
2.07E-20	-0.31949	1.53E-12	-0.21821	1.93E-06	-0.3989	2.90E-19	0.035509	0.44395
4.47E-14	-0.00262	0.95494	-0.10929	0.01815	-0.26187	9.22E-09	-0.18734	4.63E-05
0.00632	-0.28172	5.73E-10	-0.19601	1.99E-05	-0.23734	2.11E-07	0.577483	6.92E-43
2.92E-13	-0.09436	0.04153	-0.18356	6.61E-05	-0.25986	1.21E-08	0.33133	1.99E-13
1.94E-10	-0.28114	6.23E-10	-0.28238	5.20E-10	-0.34409	2.00E-14	0.308289	9.70E-12

1.18E-24	-0.17959	9.53E-05	-0.29744	5.40E-11	-0.40391	9.41E-20	0.171311	0.0002
1.89E-08	0.09424	0.04179	-0.12396	0.00732	-0.1649	0.00035	0.029943	0.51862
5.94E-11	-0.05026	0.27844	-0.24045	1.44E-07	-0.23579	2.54E-07	0.08665	0.06134
6.07E-12	-0.17233	0.00018	-0.22579	8.22E-07	-0.30284	2.32E-11	0.178879	0.0001
1.82E-16	-0.35116	5.33E-15	-0.43896	2.04E-23	-0.45805	1.34E-25	0.234635	2.92E-07
0.00064	-0.04843	0.29633	-0.14504	0.00167	-0.1721	0.00019	0.30412	1.89E-11
1.75E-12	-0.08538	0.06524	-0.24582	7.42E-08	-0.29258	1.14E-10	0.17601	0.00013
5.80E-15	0.082893	0.07352	-0.07755	0.09415	-0.18674	4.90E-05	-0.02906	0.53096
0.87013	0.068892	0.13714	0.053067	0.25241	0.030986	0.50415	0.361817	6.85E-16
2.68E-24	0.135328	0.00339	0.237692	2.02E-07	0.333588	1.33E-13	0.053421	0.24926
6.38E-13	-0.05316	0.25159	-0.27109	2.61E-09	-0.28871	2.04E-10	-0.09267	0.04534
3.67E-09	0.052924	0.25369	-0.16546	0.00033	-0.23877	1.77E-07	-0.07945	0.08634
1.35E-27	0.218884	1.79E-06	0.263464	7.44E-09	0.40109	1.78E-19	0.078673	0.08947
3.39E-31	-0.36516	3.54E-16	-0.35587	2.18E-15	-0.4771	6.41E-28	-0.13701	0.00301
0.02805	-0.06657	0.15093	-0.01847	0.6905	-0.09845	0.03342	0.082191	0.076
7.89E-07	0.035011	0.45037	-0.19243	2.83E-05	-0.15581	0.00073	-0.00387	0.93357
0.00869	0.02386	0.60704	-0.20262	1.02E-05	-0.14831	0.00131	0.41418	8.79E-21
5.84E-13	-0.14453	0.00174	-0.33864	5.40E-14	-0.3947	7.36E-19	0.121191	0.00875
4.86E-35	-0.335	1.04E-13	-0.39296	1.08E-18	-0.51892	1.49E-33	0.025957	0.5758
3.70E-19	-0.27088	2.68E-09	-0.25019	4.26E-08	-0.40462	8.00E-20	-0.00219	0.96234
1.81E-21	-0.32374	7.43E-13	-0.27345	1.87E-09	-0.40287	1.19E-19	-0.01932	0.67714
6.66E-26	-0.22942	5.40E-07	-0.35376	3.26E-15	-0.42718	3.88E-22	-0.17398	0.00016
1.02E-19	-0.3864	4.44E-18	-0.42235	1.26E-21	-0.4786	4.15E-28	0.07224	0.119
5.80E-26	-0.44064	1.32E-23	-0.44765	2.15E-24	-0.57078	1.01E-41	0.009061	0.84517
0.00232	0.039398	0.39563	-0.22278	1.16E-06	-0.17357	0.00016	0.310833	6.42E-12
1.77E-32	-0.09384	0.04266	-0.3542	2.99E-15	-0.42241	1.24E-21	-0.12443	0.0071
7.23E-25	-0.03734	0.42084	-0.22515	8.85E-07	-0.34025	4.03E-14	-0.24755	5.96E-08
3.14E-18	-0.22236	1.22E-06	-0.3412	3.39E-14	-0.40182	1.51E-19	0.107689	0.01993
0.99784	0.100923	0.02921	-0.00073	0.98738	0.028511	0.53882	0.471005	3.67E-27
1.25E-11	-0.112	0.01546	-0.03424	0.46048	-0.23617	2.43E-07	0.006019	0.89679
5.24E-17	-0.11782	0.01083	-0.39621	5.28E-19	-0.40389	9.45E-20	0.058775	0.20486
0.00016	-0.06474	0.16249	-0.17902	0.0001	-0.18872	4.06E-05	0.214118	3.03E-06
0.00052	0.001666	0.97135	-0.22935	5.44E-07	-0.22453	9.50E-07	0.35174	4.78E-15
0.04933	-0.0043	0.9262	-0.06202	0.1809	-0.1277	0.00572	0.362373	6.14E-16
2.15E-09	-0.19991	1.35E-05	-0.13475	0.00353	-0.28012	7.22E-10	0.19114	3.21E-05
1.09E-13	-0.03013	0.51599	-0.02526	0.58607	-0.18434	6.14E-05	-0.16521	0.00034
5.42E-09	-0.06308	0.17353	-0.17457	0.00015	-0.20976	4.84E-06	0.492141	7.40E-30
0.01235	0.072791	0.1162	0.051909	0.26292	-0.03329	0.47301	0.151778	0.001
4.77E-12	-0.02892	0.53297	0.21364	3.19E-06	0.255052	2.28E-08	0.129739	0.00498
7.79E-06	0.04064	0.38089	-0.23976	1.57E-07	-0.21444	2.92E-06	0.461278	5.54E-26
1.18E-07	0.036468	0.43174	0.221208	1.38E-06	0.17612	0.00013	-0.19292	2.70E-05
1.96E-09	0.0054	0.90735	-0.09651	0.03709	-0.20203	1.08E-05	0.140273	0.00238
4.54E-16	-0.19581	2.03E-05	-0.15537	0.00075	-0.29574	7.02E-11	-0.05154	0.26636
5.34E-05	0.059625	0.19837	0.056651	0.22173	-0.05639	0.22389	0.019728	0.67067
1.37E-15	-0.20772	6.01E-06	-0.08863	0.05563	-0.31319	4.36E-12	0.065651	0.15664

1.15E-30	0.304658	1.74E-11	0.168313	0.00026	0.388008	3.15E-18	0.140618	0.00232
0.00044	0.085822	0.06387	-0.07093	0.12588	-0.12451	0.00706	0.288924	1.98E-10
1.02E-15	0.137089	0.00299	0.271913	2.33E-09	0.308525	9.33E-12	-0.01032	0.82394
0.00311	0.046408	0.31696	0.028531	0.53854	-0.06876	0.1379	0.333686	1.31E-13
1.75E-37	-0.35487	2.64E-15	-0.30636	1.32E-11	-0.50649	8.51E-32	-0.04214	0.36357
3.89E-35	-0.43363	7.84E-23	-0.37706	3.17E-17	-0.54272	3.99E-37	-0.08625	0.06255
1.01E-19	-0.2341	3.11E-07	-0.28114	6.24E-10	-0.41001	2.32E-20	0.171443	0.0002
2.23E-05	0.046882	0.31203	-0.16917	0.00024	-0.18947	3.77E-05	0.062379	0.17839
1.99E-26	0.16295	0.00041	0.331072	2.08E-13	0.371778	9.37E-17	-0.01023	0.82548
2.57E-36	-0.46311	3.35E-26	-0.51468	6.03E-33	-0.62125	3.38E-51	-0.0967	0.03671
3.19E-12	-0.07816	0.0916	-0.15498	0.00078	-0.2579	1.56E-08	0.15354	0.00087
0.03835	0.07623	0.0999	0.019031	0.68167	-0.04039	0.38378	0.30492	1.67E-11
0.00107	-0.03578	0.44041	-0.15515	0.00077	-0.13787	0.00283	0.318106	1.93E-12
1.32E-06	-0.20367	9.16E-06	-0.20523	7.79E-06	-0.29574	7.02E-11	0.070338	0.12906
2.40E-22	-0.3338	1.28E-13	-0.46027	7.31E-26	-0.49903	8.90E-31	0.075423	0.10355
0.00735	-0.0859	0.06361	-0.09291	0.04478	-0.12617	0.00633	0.474052	1.54E-27
4.43E-17	-0.20896	5.27E-06	-0.08063	0.08174	-0.32209	9.84E-13	0.13261	0.0041
7.15E-17	-0.05801	0.2108	-0.11168	0.01575	-0.25958	1.25E-08	0.094085	0.04213
0.00037	-0.15971	0.00053	-0.21932	1.71E-06	-0.25185	3.45E-08	0.497899	1.26E-30
0.00115	0.191846	3.00E-05	0.010556	0.82003	-0.02197	0.63579	0.324523	6.49E-13
1.73E-29	-0.35686	1.80E-15	-0.43681	3.52E-23	-0.52034	9.29E-34	0.055698	0.22962
8.96E-09	0.107926	0.01966	0.092582	0.04554	-0.10045	0.02997	0.060467	0.1921
4.05E-06	-0.13314	0.00395	-0.22798	6.38E-07	-0.25446	2.46E-08	0.168098	0.00026
0.71392	0.212232	3.71E-06	0.071494	0.12287	0.01836	0.6923	0.260452	1.12E-08
7.90E-17	-0.33362	1.33E-13	-0.42303	1.07E-21	-0.46144	5.30E-26	0.132329	0.00418
1.90E-13	-0.08393	0.06998	-0.18044	8.82E-05	-0.2494	4.72E-08	0.140672	0.00231
1.38E-22	-0.23756	2.05E-07	-0.21822	1.93E-06	-0.39126	1.56E-18	0.122332	0.00813
0.00396	0.040867	0.37824	-0.22288	1.15E-06	-0.16332	0.00039	0.313184	4.37E-12
3.60E-24	-0.09227	0.04627	-0.29873	4.41E-11	-0.38429	6.97E-18	-0.13912	0.00259
3.62E-45	-0.40557	6.45E-20	-0.53482	6.56E-36	-0.62496	5.81E-52	-0.13035	0.00478
0.00037	0.038522	0.40624	-0.16478	0.00035	-0.1857	5.40E-05	0.35675	1.84E-15
0.01661	-0.06509	0.16024	-0.25705	1.75E-08	-0.19451	2.31E-05	0.371915	9.11E-17
6.76E-05	-0.2357	2.57E-07	-0.10854	0.01897	-0.20574	7.39E-06	0.282803	4.89E-10
1.23E-07	-0.04198	0.36539	-0.19887	1.49E-05	-0.22461	9.41E-07	0.227625	6.65E-07
2.20E-15	-0.23254	3.74E-07	-0.33507	1.03E-13	-0.40036	2.10E-19	-0.0054	0.90735
2.13E-15	-0.3661	2.94E-16	-0.34334	2.29E-14	-0.43571	4.65E-23	0.242314	1.15E-07
6.77E-10	-0.27145	2.48E-09	-0.21423	2.99E-06	-0.29317	1.04E-10	0.313984	3.83E-12
2.91E-19	-0.21117	4.16E-06	-0.26129	9.97E-09	-0.36452	4.02E-16	0.142185	0.00207
1.84E-21	-0.27243	2.16E-09	-0.40588	6.01E-20	-0.45826	1.26E-25	0.252831	3.04E-08
2.77E-20	-0.08857	0.05579	-0.30886	8.84E-12	-0.39465	7.43E-19	0.2218	1.29E-06
5.88E-17	-0.22303	1.13E-06	-0.06872	0.13813	-0.2768	1.17E-09	0.104328	0.02415
1.81E-40	-0.32478	6.21E-13	-0.46885	6.75E-27	-0.58315	6.83E-44	-0.09829	0.03372
5.27E-12	-0.07946	0.08631	-0.19731	1.75E-05	-0.25596	2.02E-08	0.11274	0.01479
5.02E-35	-0.29172	1.30E-10	-0.32114	1.16E-12	-0.45921	9.76E-26	-0.06762	0.14455
1.87E-24	-0.24159	1.25E-07	-0.35897	1.19E-15	-0.45631	2.14E-25	0.019023	0.68179

2.47E-08	-0.00809	0.86155	0.027043	0.55993	-0.11913	0.00997	-0.106	0.02196
1.53E-43	-0.45097	8.95E-25	-0.58232	9.61E-44	-0.6568	5.55E-59	-0.0253	0.58551
3.50E-19	-0.16697	0.00029	-0.32389	7.24E-13	-0.38174	1.19E-17	0.063726	0.16918
4.68E-11	-0.0943	0.04166	-0.29042	1.58E-10	-0.30072	3.23E-11	0.155301	0.00076
2.00E-54	-0.32745	3.92E-13	-0.42402	8.38E-22	-0.58527	2.84E-44	-0.25275	3.07E-08
5.63E-11	-0.08833	0.05647	-0.09856	0.03322	-0.26447	6.49E-09	0.040915	0.37768
2.24E-10	-0.07366	0.1119	0.006712	0.88497	-0.19239	2.84E-05	0.139326	0.00255
0.07239	0.062993	0.17415	0.154065	0.00084	0.034646	0.45511	0.275831	1.34E-09
0.0805	0.125011	0.00683	-0.13857	0.00269	-0.12068	0.00904	0.127581	0.00576
1.71E-29	-0.39618	5.31E-19	-0.39778	3.72E-19	-0.52419	2.55E-34	0.093878	0.04258
7.38E-17	-0.2956	7.17E-11	-0.33405	1.23E-13	-0.42577	5.48E-22	0.312877	4.59E-12
6.86E-15	0.088634	0.05562	0.244268	9.01E-08	0.277794	1.01E-09	-0.11206	0.0154
1.13E-19	-0.00844	0.85565	-0.12339	0.00759	-0.28186	5.61E-10	-0.31057	6.70E-12
3.81E-17	-0.13089	0.00461	-0.26788	4.07E-09	-0.32366	7.53E-13	0.144333	0.00177
0.74635	-0.00172	0.97041	-0.01514	0.74425	-0.05662	0.22201	0.380679	1.49E-17
4.71E-08	-0.12339	0.0076	-0.29094	1.46E-10	-0.27834	9.34E-10	0.232833	3.62E-07
2.61E-39	-0.43903	2.00E-23	-0.40576	6.17E-20	-0.55522	4.04E-39	-0.01488	0.74841
9.01E-13	-0.17641	0.00013	-0.24898	4.98E-08	-0.31924	1.59E-12	0.039337	0.39636
8.61E-14	-0.06813	0.14154	-0.19886	1.50E-05	-0.28048	6.86E-10	0.293777	9.48E-11
8.99E-06	-0.16072	0.00049	-0.05173	0.26458	-0.17043	0.00022	0.299133	4.15E-11
2.84E-31	-0.34357	2.20E-14	-0.26499	6.05E-09	-0.47183	2.90E-27	-0.12809	0.00557
2.84E-15	-0.1568	0.00067	-0.33545	9.58E-14	-0.38677	4.11E-18	-0.00399	0.93148
3.30E-10	-0.05895	0.20352	-0.24653	6.78E-08	-0.22933	5.46E-07	0.136831	0.00305
5.94E-21	0.180789	8.54E-05	0.155784	0.00073	0.317365	2.18E-12	-0.07319	0.11423
5.70E-05	-0.04866	0.29401	0.049676	0.28403	-0.0919	0.04717	0.232114	3.94E-07
1.42E-06	-0.08962	0.05294	0.062746	0.17585	-0.12105	0.00883	0.190769	3.33E-05
4.22E-10	-0.17395	0.00016	-0.18545	5.53E-05	-0.31442	3.56E-12	0.207354	6.24E-06
5.67E-16	-0.13551	0.00334	-0.24709	6.32E-08	-0.36633	2.81E-16	0.084081	0.06947
8.28E-20	-0.37444	5.44E-17	-0.36991	1.37E-16	-0.47366	1.72E-27	0.180637	8.66E-05
3.10E-06	0.055749	0.22919	0.005598	0.90397	-0.13201	0.00427	0.258247	1.50E-08
3.79E-25	-0.25402	2.60E-08	-0.42074	1.85E-21	-0.48921	1.80E-29	0.083704	0.07073
3.18E-27	-0.14393	0.00182	-0.32994	2.54E-13	-0.39804	3.52E-19	-0.06582	0.1556
0.00012	-0.19239	2.84E-05	-0.27292	2.02E-09	-0.27141	2.49E-09	0.300362	3.42E-11
2.37E-15	-0.14826	0.00131	-0.31638	2.57E-12	-0.34417	1.97E-14	0.328019	3.55E-13
0.00522	0.082487	0.07494	0.065068	0.16036	-0.02154	0.64244	0.416839	4.69E-21
1.61E-22	-0.18877	4.04E-05	-0.28042	6.93E-10	-0.39825	3.35E-19	0.077021	0.09642
1.42E-21	-0.32492	6.06E-13	-0.24281	1.08E-07	-0.41247	1.31E-20	0.180173	9.03E-05
5.42E-34	-0.34036	3.96E-14	-0.35317	3.65E-15	-0.47527	1.09E-27	-0.06876	0.13789
3.01E-24	-0.4838	9.03E-29	-0.43153	1.32E-22	-0.54432	2.23E-37	0.087743	0.05813
1.52E-53	0.267371	4.37E-09	0.285742	3.17E-10	0.469514	5.59E-27	0.129048	0.00522
6.56E-37	-0.48118	1.95E-28	-0.45089	9.14E-25	-0.59961	6.30E-47	-0.02744	0.55415
3.19E-28	-0.29864	4.48E-11	-0.30955	7.91E-12	-0.41978	2.33E-21	0.028227	0.54288
0.00078	-0.06299	0.17416	-0.16035	0.0005	-0.1794	9.70E-05	0.221602	1.32E-06
1.46E-27	-0.43851	2.28E-23	-0.47293	2.12E-27	-0.56701	4.44E-41	-0.07364	0.112
5.10E-31	0.196413	1.91E-05	0.198227	1.60E-05	0.388096	3.09E-18	0.206763	6.64E-06

1.33E-14	-0.44485	4.47E-24	-0.37026	1.28E-16	-0.42852	2.79E-22	-0.1948	2.25E-05
6.29E-05	-0.1061	0.02184	0.020154	0.66399	-0.079	0.08813	-0.46128	5.54E-26
0.03811	-0.18073	8.58E-05	-0.11034	0.01706	-0.12703	0.00598	-0.02883	0.5343
5.70E-25	-0.44835	1.79E-24	-0.47233	2.52E-27	-0.51169	1.60E-32	-0.23368	3.27E-07
3.75E-11	-0.40432	8.57E-20	-0.38443	6.76E-18	-0.4016	1.59E-19	-0.12189	0.00837
0.00118	-0.35162	4.89E-15	-0.12272	0.00793	-0.19401	2.43E-05	-0.35425	2.97E-15
8.08E-22	-0.55092	2.01E-38	-0.43831	2.41E-23	-0.54608	1.18E-37	-0.41328	1.09E-20
1.06E-08	-0.42647	4.62E-22	-0.31977	1.46E-12	-0.37182	9.30E-17	0.014244	0.75884
0.02798	-0.10842	0.0191	-0.03196	0.49084	-0.09384	0.04266	-0.09986	0.03096
5.48E-10	-0.56869	2.30E-41	-0.30704	1.19E-11	-0.41168	1.58E-20	-0.3446	1.82E-14
0.24864	-0.45072	9.56E-25	-0.20816	5.73E-06	-0.21591	2.49E-06	-0.13827	0.00275
1.64E-05	-0.49555	2.61E-30	-0.28352	4.40E-10	-0.3173	2.21E-12	-0.25948	1.27E-08
9.43E-10	-0.45392	4.08E-25	-0.35637	1.98E-15	-0.38877	2.67E-18	-0.18534	5.59E-05
1.26E-05	-0.39803	3.52E-19	-0.244	9.31E-08	-0.28043	6.92E-10	-0.25991	1.20E-08
2.65E-19	-0.4245	7.46E-22	-0.37402	5.94E-17	-0.44497	4.34E-24	-0.32858	3.22E-13
5.44E-07	-0.33706	7.18E-14	-0.10232	0.02703	-0.22411	9.96E-07	-0.2528	3.05E-08
6.32E-12	-0.40092	1.85E-19	-0.25712	1.73E-08	-0.36432	4.19E-16	-0.29116	1.41E-10
6.58E-12	-0.51368	8.36E-33	-0.35141	5.09E-15	-0.43223	1.11E-22	-0.14508	0.00167
1.40E-11	-0.63224	1.70E-53	-0.45616	2.23E-25	-0.5059	1.03E-31	-0.21838	1.90E-06
2.00E-12	-0.42116	1.68E-21	-0.26269	8.25E-09	-0.35209	4.47E-15	-0.32418	6.89E-13
3.17E-12	-0.48853	2.20E-29	-0.30774	1.06E-11	-0.38311	8.95E-18	-0.23611	2.45E-07
2.71E-13	-0.4271	3.96E-22	-0.2936	9.74E-11	-0.38043	1.57E-17	-0.21631	2.38E-06
0.02427	-0.31649	2.53E-12	-0.15771	0.00063	-0.17203	0.00019	-0.0336	0.46889
5.81E-18	-0.54568	1.37E-37	-0.38708	3.85E-18	-0.47356	1.77E-27	-0.32081	1.22E-12
1.91E-10	-0.53965	1.20E-36	-0.38339	8.43E-18	-0.44089	1.24E-23	-0.12679	0.00608
5.19E-07	-0.45063	9.81E-25	-0.3118	5.48E-12	-0.35287	3.86E-15	-0.3155	2.98E-12
9.43E-10	-0.3413	3.33E-14	-0.19257	2.79E-05	-0.30428	1.84E-11	-0.34283	2.52E-14
4.65E-15	-0.36526	3.47E-16	-0.34308	2.41E-14	-0.39217	1.28E-18	-0.19983	1.36E-05
1.83E-22	-0.49552	2.63E-30	-0.37592	4.01E-17	-0.48684	3.65E-29	-0.21793	1.99E-06
4.62E-14	-0.5647	1.09E-40	-0.47196	2.79E-27	-0.51221	1.35E-32	-0.21158	3.98E-06
1.83E-06	-0.40281	1.21E-19	-0.40132	1.69E-19	-0.34289	2.49E-14	-0.1366	0.0031
0.0082	-0.1778	0.00011	-0.11769	0.01092	-0.03116	0.5018	0.018733	0.68637
0.1922	-0.38071	1.48E-17	-0.14018	0.0024	-0.18344	6.68E-05	-0.11379	0.01387
1.03E-13	-0.39563	6.00E-19	-0.32474	6.25E-13	-0.38306	9.04E-18	-0.11154	0.01589
4.64E-13	-0.42369	9.08E-22	-0.42803	3.15E-22	-0.43656	3.75E-23	-0.13662	0.00309
1.19E-11	-0.40273	1.23E-19	-0.30059	3.30E-11	-0.38834	2.93E-18	-0.04666	0.31434
5.76E-08	-0.44929	1.40E-24	-0.30417	1.88E-11	-0.33325	1.42E-13	-0.15567	0.00074
0.02873	-0.47424	1.46E-27	-0.24912	4.89E-08	-0.28555	3.27E-10	-0.24074	1.39E-07
0.11084	-0.32426	6.80E-13	-0.14334	0.0019	-0.09316	0.04421	-0.11659	0.01169
0.00732	-0.41282	1.21E-20	-0.12764	0.00574	-0.2328	3.63E-07	-0.20416	8.71E-06
4.94E-06	-0.13053	0.00472	-0.22117	1.39E-06	-0.22619	7.85E-07	-0.11502	0.01287
0.0107	0.0701	0.13036	-0.01903	0.68165	-0.01889	0.68387	-0.00344	0.94093
0.08573	-0.07045	0.12847	-0.15979	0.00053	-0.11927	0.00989	-0.16607	0.00031
0.0063	-0.00342	0.9412	-0.11843	0.01042	-0.11838	0.01045	-0.02903	0.53142
1.76E-06	0.020746	0.65475	-0.17035	0.00022	-0.15459	0.0008	-0.27104	2.63E-09

0.78165	0.092492	0.04575	-0.0341	0.46226	0.025675	0.57995	-0.03263	0.48172
0.31328	0.035941	0.43842	-0.01523	0.74274	0.002629	0.95482	-0.07552	0.10312
1.12E-05	-0.13571	0.0033	-0.35998	9.81E-16	-0.28383	4.21E-10	0.135566	0.00333
0.04854	0.005764	0.90114	-0.05138	0.2678	-0.05531	0.23284	-0.06692	0.14876
0.00045	0.001375	0.97635	-0.17404	0.00016	-0.10263	0.02657	-0.02741	0.55461
0.6548	0.109175	0.01827	0.064858	0.16172	0.074511	0.10781	0.027268	0.55666
3.33E-08	-0.04767	0.304	-0.28063	6.72E-10	-0.23116	4.41E-07	-0.14258	0.00201
0.00765	0.082362	0.07539	-0.15244	0.00095	-0.09496	0.04025	-0.07303	0.11499
0.06542	0.028284	0.54205	-0.01506	0.74553	-0.01862	0.68824	0.016899	0.71569
0.00046	0.054761	0.23755	-0.16469	0.00035	-0.10386	0.0248	-0.22535	8.64E-07
0.72686	0.040036	0.38802	-0.01638	0.72408	0.00904	0.84552	-0.11129	0.01613
0.0489	-0.05571	0.22954	-0.0604	0.19258	-0.08243	0.07516	-0.09856	0.03322
0.00026	0.023973	0.60533	-0.12762	0.00575	-0.11012	0.01728	-0.0006	0.98971
0.06177	0.060728	0.19019	0.000897	0.98457	-0.01224	0.79201	0.05904	0.20282
0.7939	-0.00547	0.90613	-0.0583	0.20853	-0.03553	0.44368	-0.01108	0.81121
0.30258	0.076662	0.09799	-0.0118	0.79928	0.013212	0.77582	0.007065	0.87898
0.92168	0.175901	0.00013	0.062834	0.17524	0.09728	0.03559	0.005319	0.90873
7.89E-09	-0.12953	0.00506	-0.1864	5.06E-05	-0.2454	7.82E-08	-0.26012	1.17E-08
0.62435	0.146202	0.00153	0.073308	0.11363	0.081243	0.07945	0.028722	0.53582
0.00149	-0.02174	0.63934	-0.22406	1.00E-06	-0.15225	0.00096	0.109294	0.01815
0.15868	0.089918	0.05215	-0.03496	0.45103	0.00682	0.88315	-0.18967	3.70E-05
4.36E-05	-0.04304	0.35342	-0.13757	0.00289	-0.13465	0.00355	-0.20978	4.83E-06
0.22334	0.054637	0.23863	0.100584	0.02975	0.095057	0.04004	-0.01111	0.81081
0.67799	0.170763	0.00021	0.05712	0.21792	0.071745	0.12156	0.004904	0.91582
0.44032	0.151902	0.00099	0.021441	0.64397	0.04834	0.29721	-0.01753	0.70554
0.79967	0.120635	0.00907	0.052634	0.2563	0.061709	0.18311	0.07809	0.09187
0.69615	0.122098	0.00826	0.034408	0.45821	0.069513	0.13362	0.048556	0.29505
0.4029	0.044023	0.34249	0.074036	0.11008	0.058459	0.20731	0.027113	0.55892
0.15306	0.022888	0.62177	0.045846	0.32285	0.064974	0.16097	0.067689	0.14415
0.13999	0.14917	0.00122	-0.06447	0.16427	0.070232	0.12964	0.014854	0.74884
0.05531	0.231705	4.13E-07	0.062327	0.17876	0.069839	0.1318	0.026573	0.56677
0.21516	0.126339	0.00626	0.008815	0.84932	0.026469	0.56829	-0.01219	0.79282
9.51E-09	-0.12118	0.00876	-0.24873	5.14E-08	-0.26035	1.13E-08	-0.09642	0.03726
0.40968	0.088368	0.05636	0.023051	0.61929	0.044359	0.33882	-0.00493	0.91534
0.47957	0.069262	0.13503	-0.00072	0.9877	0.022603	0.62611	-0.02165	0.64072
0.14374	-0.13504	0.00346	-0.09248	0.04578	-0.12395	0.00732	-0.16928	0.00024
0.09197	-0.04834	0.29719	0.03548	0.44432	-0.03058	0.50981	-0.12881	0.00531
0.00237	0.025687	0.57978	-0.06766	0.1443	-0.06536	0.15851	0.002461	0.9577
0.3629	0.132101	0.00424	-0.01076	0.81661	0.031679	0.49466	0.061784	0.18258
6.21E-05	-0.08354	0.07129	0.085709	0.06422	0.114532	0.01326	0.022891	0.62172
0.60229	0.146169	0.00154	0.03602	0.43742	0.076579	0.09836	0.063931	0.16781
0.33546	0.023059	0.61915	-0.03948	0.39463	0.008799	0.84959	0.033596	0.46889
9.02E-06	0.028263	0.54236	-0.11937	0.00983	-0.152	0.00098	-0.03185	0.49231
0.07288	-0.01148	0.8046	-0.18445	6.08E-05	-0.1039	0.02474	0.107821	0.01978
0.00237	0.078223	0.09132	-0.06797	0.14249	-0.0617	0.18314	-0.01552	0.73798

0.00245	-0.0203	0.66174	-0.11298	0.01458	-0.09383	0.04269	-0.03401	0.46339
0.67754	-0.07218	0.1193	-0.05798	0.21105	-0.02239	0.62936	0.064462	0.1643
0.3042	0.038234	0.40975	-0.00378	0.9351	0.006639	0.88623	-0.11185	0.0156
0.05161	0.166756	0.0003	0.079311	0.08689	0.12856	0.0054	-0.00567	0.90278
0.66831	0.083956	0.06989	0.008809	0.84943	0.027493	0.55341	-0.07419	0.10936
0.19463	0.015161	0.74384	0.050486	0.27625	0.063076	0.17358	-0.01	0.82936
0.17188	0.027204	0.5576	-0.08221	0.07592	-0.04812	0.29937	0.076185	0.1001
0.13529	0.096206	0.03768	-0.00131	0.9775	0.021616	0.64126	0.016543	0.72141
0.06279	0.134617	0.00356	0.027142	0.55849	0.025133	0.58799	0.004661	0.91998
0.7201	0.134767	0.00352	0.019668	0.67161	0.066049	0.15414	-0.00285	0.95102
0.14458	0.07668	0.09791	0.017262	0.70985	0.018929	0.68327	0.02598	0.57546
0.41802	0.144449	0.00175	0.086486	0.06184	0.118892	0.01013	-0.07337	0.11332
0.07592	0.1671	0.00029	0.063194	0.17278	0.039461	0.39488	-0.05455	0.23939
0.79058	-0.05173	0.26459	-0.01845	0.69081	-0.00609	0.89551	-0.01036	0.82324
0.00972	0.068025	0.14216	0.084912	0.06675	0.138843	0.00264	0.083247	0.07229
0.53187	0.148331	0.00131	-0.07602	0.10086	-0.00643	0.88986	0.189582	3.73E-05
0.16644	0.197814	1.66E-05	0.038547	0.40593	0.048763	0.29299	0.094429	0.04138
0.00097	0.003447	0.94078	-0.10286	0.02623	-0.09458	0.04105	-0.20297	9.85E-06
0.00163	-0.06375	0.169	-0.08231	0.07559	-0.11757	0.011	-0.27285	2.04E-09
0.60989	0.016088	0.72878	-0.00231	0.96035	0.014061	0.76184	-0.04041	0.38358
0.42709	-0.00442	0.92402	-0.04229	0.36187	-0.03843	0.40741	-0.02914	0.52989
6.56E-08	-0.05302	0.25283	-0.17575	0.00013	-0.19908	1.46E-05	0.043048	0.35329
6.98E-09	-0.21515	2.71E-06	-0.19837	1.57E-05	-0.25152	3.60E-08	-0.24284	1.08E-07
0.23075	0.042846	0.35557	-0.01422	0.75923	0.001721	0.97042	0.073857	0.11094
0.24211	0.147373	0.0014	0.03652	0.43107	0.047885	0.30178	0.13216	0.00422
1.42E-06	-0.01044	0.82193	-0.201	1.20E-05	-0.18777	4.44E-05	-0.26013	1.16E-08
0.02165	-0.06486	0.16173	-0.12323	0.00768	-0.09531	0.0395	-0.10011	0.03054
0.30501	0.034577	0.45601	-0.06285	0.17511	-0.02421	0.60184	-0.00194	0.96664
0.02858	-0.01835	0.69251	-0.0347	0.45437	-0.04028	0.38508	-0.04056	0.38187
0.00124	-0.06007	0.19501	-0.11302	0.01454	-0.12768	0.00573	-0.04561	0.32539
0.00486	0.01651	0.72195	-0.21042	4.51E-06	-0.17796	0.00011	-0.01358	0.76976
0.00017	-0.18004	9.14E-05	-0.22192	1.28E-06	-0.23218	3.90E-07	-0.22543	8.57E-07
0.68838	-0.17562	0.00014	-0.24117	1.32E-07	-0.16828	0.00026	-0.09532	0.03949
0.49292	-0.02866	0.53663	-0.04109	0.37564	0.007632	0.86934	0.034738	0.45391
0.21552	-0.04576	0.32372	-0.03074	0.50748	-0.04202	0.36488	-0.03811	0.41127
0.06355	-0.14989	0.00116	-0.14049	0.00234	-0.13039	0.00477	-0.00828	0.85829
1.11E-05	-0.10929	0.01815	-0.30739	1.12E-11	-0.26091	1.05E-08	-0.32834	3.36E-13
0.07917	-0.05094	0.27192	0.029278	0.52795	0.035481	0.44431	0.212628	3.56E-06
0.01267	-0.07695	0.09675	-0.11216	0.01531	-0.10446	0.02397	-0.13331	0.0039
0.04069	-0.06825	0.14085	-0.07453	0.10774	-0.06751	0.14522	-0.10094	0.02918
0.27106	-0.05817	0.20954	-0.06911	0.13591	-0.05642	0.2236	0.00515	0.91162
0.1544	0.047931	0.30131	-0.20166	1.13E-05	-0.10984	0.01757	0.151559	0.00102
0.00013	0.041469	0.37125	0.023544	0.61181	-0.05194	0.26259	-0.08423	0.06896
0.00123	0.087125	0.05993	-0.05186	0.26341	-0.0462	0.31916	-0.07457	0.10754
0.39176	0.06293	0.17458	-0.01593	0.73127	0.005604	0.90386	0.043814	0.34479

0.43574	0.005671	0.90272	-0.01072	0.81728	-0.01743	0.70722	-0.01029	0.82442
0.05839	0.123541	0.00752	-0.05188	0.26316	-0.01418	0.75982	-0.07203	0.1201
0.03471	0.08243	0.07514	-0.05734	0.21618	-0.04098	0.37693	-0.04155	0.3703
0.81111	0.096373	0.03735	-0.0911	0.04913	-0.00358	0.93844	0.034489	0.45715
8.35E-05	-0.05632	0.22446	-0.17981	9.34E-05	-0.1589	0.00057	-0.08674	0.06106
0.70286	0.047074	0.31005	-0.01406	0.76186	0.021147	0.64852	0.112533	0.01497
0.34203	0.014573	0.75345	0.016355	0.72446	-0.00213	0.96335	-0.06925	0.13512
0.03929	0.118249	0.01054	-0.02636	0.56985	6.70E-05	0.99885	0.033674	0.46786
0.51635	0.152452	0.00095	0.041456	0.3714	0.057691	0.21335	0.075485	0.10327
0.37475	0.069455	0.13394	0.006101	0.89539	0.024701	0.59443	-0.04982	0.28262
0.22252	-0.0055	0.9056	0.001327	0.97719	-0.01899	0.68236	-0.11665	0.01165
0.00104	0.026438	0.56875	-0.14563	0.0016	-0.09856	0.03323	-0.15121	0.00105
1.57E-07	0.123343	0.00762	0.107247	0.02044	0.227311	6.90E-07	0.068791	0.13771
0.21075	-0.0281	0.54476	-0.07322	0.11406	-0.04442	0.33818	-0.06067	0.19061
0.31032	0.109784	0.01763	0.032306	0.48615	0.093337	0.0438	0.012036	0.79532
0.31083	-0.04218	0.36315	-0.02532	0.58525	-0.0389	0.40168	-0.15067	0.00109
0.01335	-0.07436	0.10853	-0.10803	0.01954	-0.09686	0.0364	-0.0687	0.13826
0.57866	0.082387	0.0753	0.035942	0.43841	0.054696	0.23811	-0.19656	1.89E-05
0.32233	-0.00877	0.85016	-0.0386	0.40525	-0.05352	0.2484	-0.14481	0.0017
1.19E-06	0.096176	0.03774	-0.17126	0.0002	-0.13955	0.00251	0.01797	0.69852
0.27029	0.022064	0.63437	-0.05	0.28088	-0.02551	0.58233	0.040518	0.38233
0.30284	0.064798	0.16211	0.051781	0.2641	0.014043	0.76214	-0.01177	0.79982
2.01E-11	-0.09282	0.04497	-0.25473	2.37E-08	-0.26732	4.40E-09	-0.19666	1.87E-05
0.05803	0.056335	0.22432	-0.02664	0.56575	-0.01833	0.69271	0.038213	0.41001
8.84E-07	-0.16834	0.00026	-0.3058	1.45E-11	-0.27262	2.11E-09	-0.09808	0.03409
0.00092	0.098886	0.03264	-0.07749	0.09441	-0.06186	0.18205	-0.01777	0.70177
0.00629	-0.08062	0.08178	-0.1889	3.99E-05	-0.14288	0.00197	-0.19313	2.65E-05
0.09874	0.044571	0.33651	-0.02747	0.55378	0.015876	0.73221	0.279533	7.87E-10
0.76241	0.066606	0.15069	0.00259	0.95549	0.052007	0.26202	-0.00619	0.89393
3.37E-05	-0.12874	0.00533	-0.21796	1.99E-06	-0.2037	9.13E-06	-0.10009	0.03056
1.41E-09	-0.17687	0.00012	-0.18514	5.70E-05	-0.24872	5.14E-08	-0.23181	4.08E-07
0.39851	0.093254	0.04399	-0.00304	0.94771	0.032542	0.48297	-0.05344	0.24906
4.69E-07	0.020618	0.65675	-0.15667	0.00068	-0.14367	0.00185	-0.12584	0.00647
0.00129	-0.00876	0.8503	-0.0751	0.10507	-0.09147	0.04821	-0.08194	0.0769
0.91437	0.025689	0.57974	-0.00662	0.8866	0.018916	0.68347	-0.13549	0.00335
0.00013	0.014847	0.74896	-0.13604	0.00322	-0.14175	0.00214	-0.02814	0.54419
0.06259	-0.06549	0.15765	-0.06609	0.15387	-0.06843	0.13978	-0.16522	0.00034
1.21E-10	-0.06828	0.14064	-0.35446	2.85E-15	-0.28306	4.71E-10	-0.14228	0.00206
0.43642	-0.00982	0.83243	-0.06243	0.17802	-0.06074	0.19008	0.025867	0.57713
1.06E-05	-0.11924	0.0099	-0.09929	0.03193	-0.1732	0.00017	-0.04694	0.3114
0.77138	0.115025	0.01287	0.028114	0.54448	0.028829	0.5343	0.068448	0.13969
0.11893	0.16173	0.00045	-0.00627	0.8925	0.025737	0.57904	-0.01916	0.67958
0.24385	0.024019	0.60463	0.027408	0.55465	0.048285	0.29775	0.074854	0.1062
0.19041	-0.00325	0.94417	-0.04833	0.2973	-0.02939	0.52632	-0.21528	2.67E-06
0.21993	-0.04669	0.314	-0.11851	0.01037	-0.07329	0.11373	-0.07722	0.09557



0.87116	0.067867	0.14309	0.019228	0.67855	0.041933	0.36592	0.01071	0.81745
0.03479	0.023631	0.61049	-0.04801	0.30056	-0.03705	0.42447	-0.02783	0.54852
0.00338	0.086307	0.06238	-0.07197	0.12039	-0.06174	0.1829	0.068161	0.14136
0.73703	-0.03389	0.46499	-0.07566	0.10248	-0.04339	0.34947	0.007888	0.865
0.06426	0.234581	2.94E-07	0.161149	0.00047	0.184307	6.16E-05	-0.00175	0.96986
0.00121	-0.09748	0.03521	-0.23771	2.02E-07	-0.17621	0.00013	0.021145	0.64855
0.01573	0.013538	0.77045	-0.04121	0.37425	-0.05154	0.26637	-0.11161	0.01582
0.02407	0.155521	0.00075	-0.16504	0.00034	-0.0831	0.07279	-4.27E-05	0.99927
5.37E-06	0.063754	0.16899	-0.16763	0.00027	-0.15005	0.00114	0.193536	2.54E-05
0.00029	0.139815	0.00246	-0.17279	0.00018	-0.07812	0.09176	-0.03289	0.47835
0.64277	0.240549	1.43E-07	-0.03958	0.39347	0.025219	0.5867	0.431605	1.30E-22
0.39998	0.13547	0.00335	0.024788	0.59313	0.020298	0.66174	-0.11704	0.01136
0.67365	0.056048	0.2267	-0.2316	4.18E-07	-0.08287	0.07361	0.281228	6.16E-10
0.01948	0.111092	0.01632	-0.08952	0.0532	-0.04631	0.31795	-0.0829	0.07348
0.14904	-0.09919	0.03212	-0.10821	0.01933	-0.08203	0.07659	-0.00937	0.84
0.08671	0.000618	0.98937	-0.0301	0.5164	0.037059	0.4243	0.011078	0.81129
0.52432	0.048729	0.29333	0.060041	0.19526	0.035743	0.44095	-0.06372	0.16921
0.05606	-0.19405	2.42E-05	-0.07189	0.1208	-0.11692	0.01145	-0.0383	0.40896
0.01908	0.029073	0.53085	0.36228	6.26E-16	0.200366	1.28E-05	0.215435	2.62E-06
0.00036	-0.31519	3.13E-12	-0.18659	4.97E-05	-0.22948	5.36E-07	-0.03975	0.39145
0.02242	-0.1617	0.00045	-0.0369	0.42628	-0.0945	0.04123	0.016039	0.72958
0.11702	-0.32135	1.12E-12	-0.15849	0.00059	-0.17164	0.00019	0.064971	0.16099
0.18931	-0.20934	5.06E-06	-0.10447	0.02396	-0.12145	0.00861	-0.00412	0.92932
0.3286	-0.14296	0.00195	-0.01144	0.80525	-0.09829	0.03371	0.31384	3.92E-12
0.49529	-0.14562	0.0016	-0.0526	0.25657	-0.06865	0.13855	0.215308	2.66E-06
0.04299	0.111898	0.01555	0.193435	2.57E-05	0.149688	0.00118	0.260922	1.05E-08
0.50674	-0.10773	0.01989	-0.08911	0.05431	-0.09078	0.04994	0.100501	0.02989
0.6357	-0.12549	0.00662	-0.05956	0.19887	-0.06108	0.18761	0.016975	0.71445
0.42552	-0.2478	5.78E-08	-0.13274	0.00406	-0.14621	0.00153	0.108512	0.019
0.63002	-0.05666	0.22162	0.021985	0.63558	-0.01056	0.81998	0.001394	0.97604
0.66792	-0.02201	0.63519	-0.03882	0.40263	0.003683	0.93673	0.135724	0.0033
0.91789	-0.05944	0.19981	0.115434	0.01255	0.038089	0.41153	0.144107	0.0018
0.99535	-0.10871	0.01877	0.006517	0.8883	-0.02958	0.52375	0.306595	1.27E-11
0.0392	0.001635	0.97189	0.155019	0.00078	0.118206	0.01057	0.368904	1.68E-16
0.23465	0.005308	0.90892	-0.00137	0.97647	-0.02113	0.64878	0.089307	0.05378
0.1836	-0.25314	2.92E-08	-0.20964	4.90E-06	-0.17692	0.00012	0.110169	0.01724
0.56627	-0.09779	0.03463	-0.06728	0.14658	-0.05905	0.20275	0.24191	1.21E-07
1.95E-06	0.038695	0.40412	0.112126	0.01534	0.179044	0.0001	0.224045	1.00E-06
0.02042	-0.26969	3.17E-09	-0.21453	2.90E-06	-0.20618	7.06E-06	-0.01622	0.72663
0.00081	-0.05204	0.26175	0.103014	0.02601	0.088419	0.05621	0.225034	8.96E-07
0.04875	-0.06311	0.17333	-0.01602	0.72989	0.002642	0.95458	0.204872	8.09E-06
0.32323	-0.13765	0.00287	-0.0452	0.3297	-0.0142	0.75952	0.055628	0.2302
0.05295	-0.15855	0.00058	-0.12489	0.00689	-0.12973	0.00499	-0.01023	0.82549
0.04801	-0.26515	5.92E-09	-0.11139	0.01603	-0.16792	0.00027	0.069442	0.13402
0.08191	-0.19677	1.85E-05	-0.03724	0.42204	-0.01069	0.81774	0.120938	0.00889

0.07915	-0.07746	0.09454	-0.06759	0.14475	-0.08199	0.07672	0.049048	0.29017
0.96977	-0.22172	1.31E-06	-0.05436	0.24098	-0.06269	0.17621	0.028257	0.54244
0.92294	-0.07334	0.11349	-0.00944	0.83874	-0.01992	0.66763	0.006059	0.89611
0.00992	0.059396	0.2001	0.141135	0.00224	0.158282	0.0006	0.262924	8.00E-09
0.13409	-0.13885	0.00264	-0.00038	0.99353	0.009949	0.83021	0.051164	0.26984
0.18072	-0.1503	0.00112	0.027063	0.55964	-0.00292	0.94983	0.085892	0.06365
0.00226	0.028014	0.54593	0.17271	0.00018	0.151626	0.00101	0.222704	1.17E-06
0.28975	-0.13817	0.00277	-0.0776	0.09392	-0.0698	0.13202	0.002496	0.9571
0.37535	-0.15933	0.00055	-0.05162	0.26562	-0.06604	0.15419	0.047854	0.3021
0.38428	-0.12973	0.00499	-0.12744	0.00582	-0.07243	0.11801	0.02091	0.6522
0.14142	-0.17185	0.00019	-0.12916	0.00518	-0.1119	0.01555	0.010538	0.82032
0.00836	-0.3111	6.15E-12	-0.15805	0.00061	-0.19628	1.94E-05	-0.05192	0.26285
0.07177	-0.16958	0.00023	-0.06516	0.15978	-0.11046	0.01694	0.104656	0.02371
0.88823	-0.1627	0.00042	-0.0713	0.12387	-0.07211	0.11968	0.15131	0.00104
0.00661	-0.24321	1.03E-07	-0.25206	3.35E-08	-0.22892	5.73E-07	-0.04494	0.33253
0.02472	-0.18718	4.70E-05	-0.09482	0.04055	-0.05196	0.26242	0.275646	1.37E-09
0.71688	-0.08633	0.06232	0.102843	0.02626	0.020883	0.65262	0.147674	0.00137
0.11977	-0.16009	0.00052	0.023871	0.60687	-0.09497	0.04022	0.051299	0.26858
0.00385	-0.24283	1.08E-07	-0.19019	3.52E-05	-0.20434	8.55E-06	-0.03985	0.39019
0.00496	-0.26288	8.05E-09	-0.17135	0.0002	-0.19026	3.50E-05	-0.02585	0.57737
4.57E-06	0.157794	0.00062	0.32876	3.12E-13	0.2945	8.49E-11	0.091752	0.04752
0.02934	-0.07803	0.09212	-0.0549	0.23635	-0.12303	0.00778	0.279914	7.45E-10
3.36E-05	-0.28579	3.15E-10	-0.20596	7.22E-06	-0.27259	2.12E-09	0.123889	0.00735
0.0638	-0.22752	6.73E-07	-0.13944	0.00253	-0.16994	0.00022	-0.00137	0.97641
0.265	-0.16598	0.00032	-0.03809	0.41155	-0.05811	0.21002	0.1957	2.05E-05
0.00023	-0.10848	0.01903	0.217011	2.21E-06	0.156483	0.00069	0.051009	0.2713
0.13072	0.118896	0.01012	0.142473	0.00203	0.094254	0.04176	0.332201	1.71E-13
1.24E-23	-0.02871	0.53602	0.093187	0.04414	0.216864	2.24E-06	0.128835	0.0053
0.73031	-0.07008	0.13048	0.019195	0.67906	-0.02092	0.65204	0.213723	3.16E-06
0.00554	0.073589	0.11225	0.010774	0.81637	0.041721	0.36835	-0.12309	0.00775
1.14E-05	0.177201	0.00012	0.336626	7.76E-14	0.270077	3.00E-09	0.127857	0.00566
2.37E-38	0.215939	2.48E-06	0.269647	3.19E-09	0.395901	5.65E-19	0.218759	1.82E-06
4.51E-07	0.130521	0.00473	0.258707	1.41E-08	0.244777	8.45E-08	0.003395	0.94167
0.00434	-0.26218	8.85E-09	0.003875	0.93344	-0.0132	0.77601	0.123032	0.00777
0.1816	-0.13013	0.00485	0.15023	0.00113	0.04035	0.38431	0.233945	3.17E-07
0.03197	-0.28912	1.92E-10	-0.0317	0.49434	-0.0648	0.16208	0.109917	0.01749
2.62E-10	-0.06404	0.1671	0.207172	6.36E-06	0.21304	3.40E-06	0.030912	0.50517
1.50E-06	-0.23416	3.09E-07	-0.03718	0.42281	0.013142	0.77699	-0.06069	0.19047
0.00598	-0.00418	0.92822	-0.09482	0.04054	-0.13212	0.00424	-0.14054	0.00233
1.84E-09	-0.08186	0.07719	0.32224	9.59E-13	0.218371	1.90E-06	0.18965	3.71E-05
0.15751	-0.13237	0.00416	0.191992	2.96E-05	0.094227	0.04182	0.102622	0.02658
2.82E-31	0.346478	1.28E-14	0.532842	1.31E-35	0.542357	4.54E-37	0.137496	0.00291
9.03E-06	0.181553	7.96E-05	0.21008	4.67E-06	0.223506	1.07E-06	0.141166	0.00223
2.20E-09	-0.26972	3.16E-09	0.020251	0.66247	0.087281	0.05947	0.009814	0.83248
0.15246	0.2383	1.88E-07	0.10173	0.02793	0.049811	0.28273	-0.16405	0.00037

3.54E-23	0.298185	4.81E-11	0.280267	7.08E-10	0.392445	1.21E-18	0.143234	0.00192
0.00033	-0.19745	1.72E-05	0.042611	0.35821	0.04459	0.3363	0.262606	8.35E-09
9.55E-20	0.168059	0.00026	0.033304	0.47278	0.227259	6.94E-07	0.325337	5.65E-13
3.58E-15	-0.042	0.36516	0.090367	0.05098	0.143352	0.0019	0.346088	1.38E-14
2.40E-10	-0.0689	0.13706	0.1892	3.87E-05	0.204079	8.78E-06	-0.0545	0.23977
2.07E-16	0.078769	0.08908	0.24862	5.21E-08	0.280312	7.03E-10	0.361364	7.49E-16
0.00031	-0.122	0.00831	0.150501	0.00111	0.112654	0.01486	0.190767	3.33E-05
6.34E-05	-0.20979	4.82E-06	0.040758	0.37952	0.04395	0.34329	0.130267	0.00481
1.86E-08	0.042769	0.35642	0.181015	8.36E-05	0.231896	4.04E-07	-0.1003	0.03022
0.00017	-0.08027	0.08311	-0.27757	1.04E-09	-0.28098	6.38E-10	0.079505	0.08612
3.34E-24	0.187045	4.76E-05	0.469878	5.05E-27	0.477112	6.38E-28	0.206496	6.83E-06
0.00136	0.058427	0.20755	-0.04471	0.33499	0.080732	0.08137	0.232279	3.86E-07
0.00039	-0.14481	0.0017	-0.03394	0.46442	0.005082	0.91278	0.240916	1.36E-07
0.62699	-0.20944	5.01E-06	0.062282	0.17907	-0.0138	0.76618	0.101103	0.02892
0.39179	-0.17775	0.00011	-0.09609	0.03792	-0.06933	0.13467	0.171818	0.00019
4.06E-37	0.233359	3.40E-07	0.481069	2.02E-28	0.546056	1.19E-37	0.429904	1.98E-22
1.52E-42	0.475741	9.48E-28	0.458361	1.23E-25	0.57304	4.12E-42	0.318204	1.90E-12
8.54E-07	0.028949	0.5326	0.295658	7.11E-11	0.208162	5.73E-06	0.028636	0.53703
0.00447	-0.287	2.63E-10	-0.00145	0.97502	-0.02502	0.58972	0.144689	0.00172
2.80E-07	-0.30594	1.42E-11	-0.02447	0.59785	-0.01985	0.66873	0.059166	0.20186
0.10545	-0.38198	1.14E-17	-0.13148	0.00443	-0.19033	3.47E-05	0.009903	0.83099
1.48E-11	0.089607	0.05297	0.185113	5.71E-05	0.22666	7.44E-07	0.134626	0.00356
1.26E-17	0.097951	0.03433	0.361143	7.82E-16	0.390879	1.70E-18	0.175962	0.00013
5.98E-37	0.324476	6.55E-13	0.305856	1.43E-11	0.460001	7.86E-26	0.381244	1.33E-17
0.0899	0.008309	0.85787	0.073878	0.11084	0.087255	0.05955	0.058613	0.20611
5.30E-06	0.153301	0.00089	0.536882	3.18E-36	0.35677	1.83E-15	0.1906	3.38E-05
0.00067	-0.05156	0.26614	0.267755	4.14E-09	0.153876	0.00085	0.12946	0.00508
1.28E-17	-0.01546	0.73896	0.344985	1.69E-14	0.335641	9.26E-14	0.225129	8.87E-07
1.34E-20	-0.05232	0.25917	0.35758	1.56E-15	0.336204	8.37E-14	0.209952	4.74E-06
4.40E-48	0.368355	1.87E-16	0.601345	2.94E-47	0.662233	2.88E-60	0.326021	5.02E-13
8.51E-24	0.043973	0.34304	0.316166	2.67E-12	0.329874	2.57E-13	0.338549	5.49E-14
0.00944	-0.34971	7.02E-15	-0.26059	1.09E-08	-0.27056	2.81E-09	-0.02709	0.55928
5.38E-59	0.446347	3.03E-24	0.717623	4.46E-75	0.754766	3.53E-87	0.260995	1.04E-08
6.01E-05	-0.36536	3.41E-16	-0.41866	3.05E-21	-0.40883	3.05E-20	-0.03559	0.44294
3.09E-14	-0.08778	0.05804	-0.05448	0.23998	0.112893	0.01465	0.286351	2.90E-10
6.72E-38	0.213115	3.37E-06	0.555371	3.82E-39	0.559347	8.51E-40	0.282303	5.26E-10
1.17E-06	-0.08658	0.06155	0.227935	6.42E-07	0.194527	2.31E-05	0.153588	0.00087
0.85942	0.025186	0.5872	0.187971	4.36E-05	0.066522	0.15121	0.088285	0.05659
1.79E-11	0.150502	0.00111	0.593801	7.77E-46	0.440029	1.55E-23	0.189532	3.75E-05
0.06619	-0.25046	4.12E-08	-0.06073	0.19014	-0.06166	0.18347	0.156155	0.00071
0.21511	-0.02931	0.52743	0.031232	0.50076	0.03838	0.40796	0.130265	0.00481
0.42455	-0.32385	7.29E-13	-0.1572	0.00065	-0.16488	0.00035	0.085157	0.06596
1.01E-07	0.151282	0.00104	0.192813	2.73E-05	0.220297	1.53E-06	0.352398	4.22E-15
0.40508	-0.16636	0.00031	0.016902	0.71563	-0.00714	0.87766	0.082228	0.07586
1.59E-11	-0.15418	0.00083	0.148664	0.00127	0.163957	0.00037	0.260476	1.11E-08

4.95E-08	-0.09844	0.03344	0.15939	0.00055	0.161882	0.00044	0.256571	1.86E-08
0.36524	0.027305	0.55613	0.047782	0.30283	0.062951	0.17444	0.03727	0.42167
4.50E-49	0.24034	1.46E-07	0.44178	9.89E-24	0.511509	1.69E-32	0.176635	0.00012
0.00221	-0.15419	0.00083	0.122851	0.00787	0.038123	0.41111	0.230912	4.53E-07
2.31E-37	0.329668	2.66E-13	0.483229	1.07E-28	0.515472	4.65E-33	0.302229	2.55E-11
5.26E-30	0.211324	4.09E-06	0.307529	1.10E-11	0.43132	1.40E-22	0.130786	0.00464
5.98E-08	0.092737	0.04518	0.485635	5.23E-29	0.326624	4.52E-13	-0.02509	0.58868
1.78E-58	0.419566	2.45E-21	0.670555	2.75E-62	0.738255	1.52E-81	0.289385	1.84E-10
0.30437	0.080368	0.08276	0.021669	0.64046	0.014921	0.74775	0.000933	0.98397
7.71E-30	0.129859	0.00494	0.439654	1.71E-23	0.475757	9.43E-28	0.254652	2.40E-08
5.22E-17	0.081716	0.07771	0.379226	2.02E-17	0.34753	1.06E-14	-0.04573	0.32409
0.00297	-0.34952	7.27E-15	-0.18698	4.79E-05	-0.22651	7.57E-07	-0.20863	5.45E-06
3.80E-13	-0.00911	0.84439	0.337158	7.05E-14	0.278204	9.53E-10	0.057639	0.21376
6.30E-18	0.185595	5.46E-05	0.412859	1.20E-20	0.41115	1.78E-20	0.220278	1.53E-06
4.20E-14	-0.0577	0.21327	0.247599	5.93E-08	0.22268	1.17E-06	0.068422	0.13984
0.04168	-0.3136	4.08E-12	-0.10829	0.01924	-0.09356	0.0433	0.14376	0.00184
4.83E-06	0.002293	0.96059	-0.15263	0.00094	-0.17953	9.57E-05	-0.0128	0.7827
1.43E-10	-0.03473	0.45401	0.314147	3.73E-12	0.209465	4.99E-06	0.117251	0.01122
5.65E-14	-0.13893	0.00262	0.27084	2.70E-09	0.227574	6.69E-07	0.16736	0.00028
0.05495	-0.23401	3.14E-07	-0.09556	0.03899	-0.14679	0.00147	-0.06472	0.16261
0.23759	-0.36467	3.90E-16	0.066213	0.15312	-0.02682	0.56315	0.010389	0.82282
0.33106	0.052281	0.25951	0.195285	2.14E-05	0.090711	0.0501	-0.14307	0.00194
1.47E-20	-0.1306	0.0047	0.062616	0.17675	0.174032	0.00016	0.110818	0.01659
5.32E-13	0.180687	8.62E-05	0.182739	7.13E-05	0.291272	1.39E-10	0.206246	7.01E-06
3.12E-16	-0.03257	0.4826	-0.20646	6.85E-06	-0.2634	7.51E-09	0.053434	0.24914
0.00023	0.118631	0.01029	0.271983	2.30E-09	0.195543	2.09E-05	0.199491	1.40E-05
0.03553	-0.12036	0.00923	0.011844	0.79851	0.010479	0.82132	0.165136	0.00034
2.76E-11	-0.09499	0.04017	0.027509	0.55318	0.086608	0.06147	0.039191	0.39813
3.59E-17	0.084003	0.06973	0.19317	2.64E-05	0.272977	2.00E-09	0.164052	0.00037
0.12512	-0.30783	1.05E-11	-0.27183	2.35E-09	-0.22666	7.44E-07	0.010854	0.81503
2.28E-06	-0.0951	0.03996	-0.04528	0.32884	0.049446	0.28627	0.514962	5.49E-33
3.30E-09	-0.17409	0.00016	-0.04627	0.31841	0.016509	0.72196	-0.02864	0.53701
0.01492	-0.29322	1.03E-10	0.112541	0.01496	0.032446	0.48425	0.018423	0.6913
0.31428	-0.35155	4.96E-15	0.005123	0.91208	-0.12371	0.00744	0.027759	0.54958
0.10964	0.138995	0.00261	0.341307	3.33E-14	0.223479	1.07E-06	0.002395	0.95883
2.29E-06	-0.13196	0.00428	0.267744	4.15E-09	0.147273	0.00142	-0.03608	0.43663
1.16E-12	0.023847	0.60724	0.294921	7.96E-11	0.276332	1.25E-09	0.22828	6.17E-07
1.35E-27	0.179497	9.61E-05	0.453951	4.04E-25	0.471694	3.02E-27	0.354214	2.99E-15
1.30E-29	0.173775	0.00016	0.442357	8.53E-24	0.477355	5.95E-28	0.330901	2.14E-13
7.91E-23	0.000793	0.98637	0.368034	2.00E-16	0.366265	2.84E-16	0.282333	5.24E-10
0.04857	-0.1623	0.00043	-0.03417	0.46137	-0.05476	0.23758	-0.01576	0.73406
1.56E-42	0.21433	2.96E-06	0.381166	1.35E-17	0.512717	1.14E-32	0.227261	6.94E-07
3.40E-21	0.140874	0.00228	0.425502	5.85E-22	0.368996	1.65E-16	0.198416	1.57E-05
0.00388	-0.09867	0.03302	0.082333	0.07549	0.012258	0.79163	0.115225	0.01271
2.61E-19	0.084473	0.06818	0.332011	1.76E-13	0.367874	2.06E-16	0.100647	0.02965

4.95E-13	-0.11533	0.01263	-0.24499	8.23E-08	-0.30831	9.66E-12	0.041363	0.37248
0.00104	0.203329	9.49E-06	0.003992	0.93144	0.117082	0.01134	-0.08905	0.05447
7.30E-09	0.06787	0.14307	0.32478	6.21E-13	0.244341	8.92E-08	0.162478	0.00042
5.73E-58	0.273486	1.86E-09	0.574513	2.29E-42	0.638366	8.12E-55	0.397295	4.15E-19
3.45E-21	0.060081	0.19496	0.347204	1.12E-14	0.35606	2.10E-15	0.098194	0.03389
1.38E-24	0.092687	0.04529	0.511825	1.53E-32	0.4631	3.35E-26	0.220125	1.56E-06
3.09E-36	0.272389	2.18E-09	0.467016	1.13E-26	0.53442	7.56E-36	0.288696	2.05E-10
2.47E-15	0.196901	1.82E-05	0.404278	8.65E-20	0.405392	6.71E-20	0.257026	1.76E-08
2.73E-05	-0.15774	0.00062	0.185264	5.63E-05	0.132512	0.00412	0.020778	0.65426
1.54E-09	0.029636	0.52292	0.27131	2.53E-09	0.250668	4.01E-08	0.159245	0.00055
3.67E-42	0.246657	6.68E-08	0.576956	8.56E-43	0.590276	3.48E-45	0.198576	1.54E-05
3.53E-32	0.190232	3.51E-05	0.343018	2.43E-14	0.448767	1.60E-24	0.153944	0.00084
2.46E-39	0.168821	0.00025	0.495785	2.43E-30	0.518027	2.00E-33	0.246941	6.44E-08
0.23331	0.09099	0.0494	0.094461	0.04131	0.104498	0.02392	0.134097	0.00369
1.66E-37	0.096543	0.03701	0.339004	5.06E-14	0.429164	2.38E-22	0.343174	2.36E-14
1.55E-11	0.192629	2.78E-05	0.142226	0.00206	0.267067	4.55E-09	-0.04314	0.35228
1.46E-05	-0.0312	0.50117	0.351129	5.37E-15	0.240177	1.49E-07	0.224363	9.68E-07
7.23E-36	0.192541	2.80E-05	0.28837	2.15E-10	0.448379	1.78E-24	0.389652	2.21E-18
0.05926	-0.22191	1.28E-06	-0.00782	0.86611	-0.02654	0.56725	0.001738	0.97013
6.01E-23	0.070644	0.1274	0.474962	1.19E-27	0.406156	5.64E-20	0.066094	0.15386
5.93E-16	-0.15749	0.00064	0.245108	8.11E-08	0.251106	3.79E-08	0.221984	1.27E-06
7.63E-19	0.103825	0.02485	0.451741	7.29E-25	0.411908	1.50E-20	0.148029	0.00134
1.68E-12	-0.02535	0.5847	0.088809	0.05513	0.187282	4.65E-05	0.347952	9.76E-15
6.06E-61	0.568175	2.82E-41	0.603132	1.34E-47	0.72373	6.26E-77	0.333278	1.41E-13
1.02E-07	0.035236	0.44746	0.107643	0.01998	0.168551	0.00025	-0.0712	0.12442
2.83E-21	-0.01508	0.74523	0.412446	1.32E-20	0.369032	1.63E-16	0.209777	4.83E-06
0.03991	-0.23797	1.95E-07	0.052159	0.26063	-0.00029	0.99502	0.076368	0.09929
6.00E-07	-0.15963	0.00054	0.124776	0.00694	0.113894	0.01379	0.25868	1.41E-08
3.15E-10	0.177364	0.00012	0.451268	8.27E-25	0.368761	1.72E-16	0.078349	0.0908
0.00054	-0.24791	5.70E-08	0.003127	0.94626	0.013171	0.7765	0.114467	0.01332
0.95077	-0.10682	0.02095	0.103867	0.02479	0.026888	0.56218	0.160021	0.00052
0.00062	-0.23718	2.15E-07	0.080262	0.08316	0.029484	0.52505	0.114134	0.01359
2.70E-09	0.124667	0.00699	0.329454	2.76E-13	0.292373	1.17E-10	0.156704	0.00068
6.54E-26	0.06508	0.16029	0.260637	1.09E-08	0.340234	4.05E-14	0.152996	0.00091
0.56156	-0.16459	0.00035	-0.06155	0.18422	-0.07709	0.09613	-0.19624	1.95E-05
1.79E-06	0.085633	0.06446	0.350213	6.38E-15	0.265787	5.43E-09	0.220704	1.46E-06
3.32E-11	0.091012	0.04935	0.480516	2.37E-28	0.396007	5.52E-19	0.107908	0.01968
7.82E-10	-0.0121	0.79432	0.302433	2.47E-11	0.263304	7.60E-09	0.291373	1.37E-10
1.27E-10	-0.10733	0.02034	0.086476	0.06187	0.132984	0.00399	0.08015	0.0836
0.00011	-0.12697	0.006	-0.02461	0.59583	0.016853	0.71642	0.178289	0.00011
4.94E-05	0.011454	0.80501	0.159233	0.00055	0.151483	0.00102	0.056309	0.22454
3.04E-12	0.18413	6.26E-05	0.335874	8.88E-14	0.333364	1.39E-13	-0.19354	2.54E-05
3.25E-07	-0.01968	0.67141	-0.21628	2.39E-06	-0.20003	1.33E-05	-0.08409	0.06943
0.60282	-0.17795	0.00011	0.126609	0.00615	0.010073	0.82813	0.055658	0.22995
6.25E-32	0.466057	1.48E-26	0.426536	4.54E-22	0.531742	1.92E-35	0.27535	1.43E-09

3.70E-23	0.281703	5.74E-10	0.438453	2.32E-23	0.441055	1.19E-23	0.168792	0.00025
1.87E-07	-0.04828	0.29777	0.226833	7.29E-07	0.190347	3.47E-05	0.089691	0.05275
3.59E-08	-0.02661	0.56625	0.37592	4.02E-17	0.260979	1.04E-08	0.118313	0.0105
1.33E-10	-0.2293	5.47E-07	0.093222	0.04406	0.042198	0.3629	-0.03269	0.48094
0.00087	0.048034	0.30028	0.181199	8.22E-05	0.147532	0.00139	-0.06931	0.13477
1.22E-08	-0.229	5.67E-07	-0.04128	0.3734	0.015498	0.73836	0.085766	0.06405
1.25E-16	-0.08714	0.05989	0.136701	0.00308	0.1925	2.81E-05	0.049953	0.28136
8.08E-05	0.313397	4.22E-12	0.07443	0.10819	-0.02492	0.59117	-0.19006	3.57E-05
6.40E-14	-0.03959	0.39337	0.121304	0.00869	0.225076	8.92E-07	0.221936	1.27E-06
0.05107	-0.21221	3.72E-06	0.030372	0.51264	-0.01614	0.7279	0.099461	0.03164
2.87E-06	-0.1638	0.00038	0.09438	0.04148	0.09381	0.04274	0.132553	0.00411
0.01499	-0.19125	3.18E-05	-0.16041	0.0005	-0.06562	0.15681	0.048388	0.29672
7.90E-21	0.042107	0.36393	0.390891	1.69E-18	0.338593	5.45E-14	0.125254	0.00672
1.85E-19	0.219279	1.72E-06	0.561684	3.49E-40	0.494311	3.82E-30	0.301138	3.03E-11
4.54E-35	-0.01447	0.75511	0.235928	2.50E-07	0.322533	9.13E-13	0.160078	0.00052
1.76E-10	0.248871	5.05E-08	0.43269	9.92E-23	0.370679	1.17E-16	0.179009	0.0001
1.35E-22	0.23356	3.32E-07	0.171599	0.00019	0.362442	6.06E-16	0.231373	4.30E-07
1.55E-31	0.192683	2.76E-05	0.280756	6.59E-10	0.396684	4.75E-19	0.32309	8.30E-13
9.66E-06	-0.09493	0.0403	-0.02835	0.54115	0.058288	0.20864	0.112005	0.01545
0.00252	-0.09088	0.04968	-0.13923	0.00257	-0.16849	0.00025	0.08857	0.05579
0.1665	0.191742	3.03E-05	0.39561	6.02E-19	0.231325	4.32E-07	0.008348	0.85721
0.41295	-0.06558	0.15706	0.175346	0.00014	0.048201	0.2986	0.077273	0.09533
1.03E-24	0.119543	0.00972	0.188018	4.34E-05	0.338523	5.52E-14	0.124125	0.00724
0.43007	0.2095	4.97E-06	0.272248	2.22E-09	0.171146	0.0002	-0.02318	0.61733
8.91E-19	0.239659	1.59E-07	0.266057	5.23E-09	0.342856	2.51E-14	0.276621	1.20E-09
0.60064	0.110801	0.0166	0.189682	3.70E-05	0.082777	0.07392	-0.01933	0.67698
0.00095	0.079495	0.08616	0.509857	2.89E-32	0.307813	1.05E-11	-0.00682	0.88306
1.13E-11	0.071081	0.12505	0.396082	5.43E-19	0.320967	1.19E-12	0.216252	2.40E-06
4.95E-29	0.322021	9.96E-13	0.433216	8.70E-23	0.452418	6.09E-25	0.024531	0.59696
1.61E-06	-0.0475	0.30566	-0.42496	6.67E-22	-0.32543	5.56E-13	-0.1956	2.07E-05
0.00015	-0.24893	5.01E-08	0.147841	0.00136	0.065898	0.15508	-0.01558	0.73709
0.00011	-0.07523	0.10444	0.028788	0.53488	0.067959	0.14255	-0.03815	0.41081
6.86E-18	0.095085	0.03998	0.27531	1.44E-09	0.280151	7.20E-10	0.143755	0.00184
6.63E-09	0.052644	0.25621	0.192413	2.84E-05	0.19268	2.76E-05	0.304337	1.83E-11
0.00286	-0.20214	1.07E-05	-0.0495	0.28578	-0.04581	0.32324	-0.20378	9.06E-06
0.42938	-0.21132	4.09E-06	-0.16919	0.00024	-0.20227	1.06E-05	-0.10069	0.02958
0.00043	-0.02391	0.60626	0.186924	4.81E-05	0.130402	0.00476	0.008235	0.85913
4.47E-10	-0.18673	4.90E-05	-0.39806	3.50E-19	-0.385	6.00E-18	-0.04676	0.3133
0.00151	0.265573	5.59E-09	-0.00344	0.94084	-0.02248	0.62794	0.07196	0.12044
0.00819	0.076742	0.09764	-0.11127	0.01615	-0.08001	0.08416	-0.11798	0.01072
0.00982	-0.17871	0.0001	0.048582	0.29479	-0.01193	0.79716	0.264643	6.34E-09
3.15E-26	0.312581	4.82E-12	0.427721	3.40E-22	0.465271	1.84E-26	0.011681	0.80122
9.29E-24	0.47855	4.20E-28	0.580257	2.24E-43	0.556083	2.92E-39	0.235389	2.67E-07
0.30614	-0.19035	3.47E-05	0.164724	0.00035	0.021453	0.64379	-0.00938	0.83973
5.34E-11	0.036782	0.42777	0.162707	0.00042	0.235026	2.78E-07	0.061346	0.18571

2.56E-17	0.221677	1.31E-06	0.201528	1.14E-05	0.341657	3.12E-14	0.044006	0.34267
2.34E-34	0.183242	6.80E-05	0.242988	1.06E-07	0.431338	1.39E-22	0.214544	2.89E-06
0.00266	-0.14344	0.00189	-0.12239	0.0081	-0.03834	0.4084	0.119643	0.00966
5.05E-06	-0.04155	0.37033	0.27709	1.12E-09	0.184313	6.16E-05	0.058324	0.20836
0.02682	-0.25581	2.06E-08	0.008591	0.8531	-0.00673	0.88465	0.112529	0.01497
1.63E-19	0.207847	5.92E-06	0.399945	2.30E-19	0.410523	2.06E-20	0.177212	0.00012
8.97E-12	-0.1764	0.00013	0.200635	1.25E-05	0.151603	0.00101	0.018199	0.69487
4.49E-05	-0.21396	3.08E-06	0.104811	0.0235	0.069761	0.13224	0.14116	0.00223
4.58E-06	-0.14814	0.00133	0.153643	0.00086	0.140718	0.0023	0.147915	0.00135
0.00034	-0.01288	0.78129	0.038998	0.40045	0.083231	0.07235	-0.05595	0.22751
2.04E-14	-0.12648	0.0062	0.14115	0.00223	0.171727	0.00019	0.099539	0.03151
2.05E-16	-0.00167	0.9713	0.125667	0.00654	0.196139	1.97E-05	0.390118	2.00E-18
8.49E-35	0.31407	3.77E-12	0.285674	3.21E-10	0.462835	3.61E-26	0.289272	1.88E-10
0.05899	-0.05382	0.24575	0.065644	0.15669	0.03349	0.4703	0.136402	0.00314
0.0031	0.13346	0.00386	0.072962	0.11535	-0.02488	0.59177	-0.11268	0.01484
3.82E-41	0.34742	1.08E-14	0.255422	2.17E-08	0.456081	2.28E-25	0.272227	2.23E-09
0.03057	-0.15217	0.00097	0.023204	0.61696	0.022782	0.62338	0.174896	0.00015
4.82E-12	-0.06956	0.13337	0.269534	3.24E-09	0.243982	9.33E-08	0.225487	8.51E-07
0.08102	-0.25152	3.60E-08	-0.00429	0.92637	-0.0354	0.44533	0.136179	0.00319
4.70E-06	-0.07595	0.10115	0.402092	1.42E-19	0.224982	9.02E-07	0.151557	0.00102
0.1322	-0.23627	2.40E-07	0.272728	2.07E-09	0.04726	0.30814	-0.00594	0.89811
1.31E-05	-0.01721	0.71066	-0.02936	0.52684	0.033571	0.46923	0.068105	0.14169
5.80E-18	0.312129	5.19E-12	0.445112	4.18E-24	0.43298	9.23E-23	0.353554	3.39E-15
9.57E-14	0.0756	0.10275	0.005885	0.89907	0.17934	9.75E-05	0.26508	5.97E-09
5.84E-07	-0.16944	0.00023	-0.0181	0.6965	0.040977	0.37696	0.129673	0.00501
8.79E-09	-0.12347	0.00756	0.113838	0.01384	0.139641	0.00249	0.243378	1.01E-07
0.0006	-6.50E-05	0.99888	0.240668	1.41E-07	0.172945	0.00017	0.036342	0.43332
2.36E-08	0.071459	0.12305	0.235795	2.54E-07	0.259884	1.20E-08	-0.11875	0.01022
6.57E-36	0.07362	0.1121	0.198743	1.51E-05	0.307897	1.03E-11	0.297797	5.11E-11
2.27E-11	0.249335	4.76E-08	0.485792	5.00E-29	0.394198	8.22E-19	0.060479	0.19201
0.05946	-0.36467	3.90E-16	-0.14969	0.00118	-0.14727	0.00142	-0.04037	0.3841
1.21E-11	-0.10026	0.03028	0.234197	3.07E-07	0.172439	0.00018	-0.00764	0.86922
1.35E-11	-0.05877	0.20491	0.408427	3.35E-20	0.28535	3.36E-10	0.012493	0.78772
3.71E-08	0.138254	0.00275	0.311626	5.64E-12	0.254894	2.32E-08	0.059601	0.19855
3.38E-06	0.008374	0.85677	0.217626	2.06E-06	0.184734	5.92E-05	0.148695	0.00127
7.86E-34	0.473728	1.69E-27	0.699371	8.06E-70	0.642492	1.01E-55	0.230913	4.53E-07
1.08E-10	-0.1881	4.30E-05	0.128524	0.00541	0.136726	0.00307	-0.05808	0.21027
2.19E-52	0.222699	1.17E-06	0.534826	6.56E-36	0.572919	4.32E-42	0.199017	1.47E-05
1.08E-28	0.168586	0.00025	0.354134	3.03E-15	0.416277	5.36E-21	0.174502	0.00015
0.00991	-0.34891	8.16E-15	-0.06392	0.16789	-0.07258	0.11729	0.209023	5.23E-06
0.13288	0.05265	0.25616	0.0137	0.76778	0.045841	0.32291	0.214923	2.77E-06
1.72E-08	-0.07915	0.08752	0.044141	0.3412	0.114833	0.01302	0.353617	3.35E-15
3.72E-21	0.322536	9.12E-13	0.593016	1.09E-45	0.545198	1.63E-37	0.194562	2.30E-05
0.00386	-0.28194	5.55E-10	0.033977	0.46387	-0.00778	0.86681	0.288124	2.23E-10
1.60E-17	0.099489	0.03159	0.271619	2.42E-09	0.318293	1.87E-12	0.051089	0.27055

6.39E-08	0.103856	0.02481	0.283752	4.26E-10	0.242973	1.06E-07	0.423291	1.00E-21
3.77E-06	-0.01889	0.68385	0.368476	1.83E-16	0.197688	1.68E-05	0.028764	0.53522
0.0037	0.181705	7.85E-05	0.069376	0.13439	0.120162	0.00934	0.205474	7.60E-06
0.00872	-0.00651	0.88838	0.098817	0.03277	0.072995	0.11518	0.058399	0.20777
6.46E-06	-0.11854	0.01035	-0.06132	0.1859	0.039987	0.3886	0.097383	0.03539
8.75E-18	0.049117	0.2895	0.390554	1.82E-18	0.36239	6.12E-16	0.174451	0.00015
0.00188	0.359269	1.13E-15	0.203398	9.42E-06	0.242228	1.16E-07	0.382641	9.88E-18
4.85E-05	-0.12239	0.0081	-0.18112	8.28E-05	-0.21204	3.79E-06	-0.08689	0.06062
0.17488	-0.31153	5.73E-12	-0.10914	0.01832	-0.11952	0.00973	0.25793	1.56E-08
2.10E-29	0.369892	1.37E-16	0.503975	1.89E-31	0.542161	4.87E-37	0.258921	1.37E-08
4.21E-06	-0.15797	0.00061	0.145494	0.00162	0.114896	0.01297	0.190066	3.56E-05
0.00108	0.117722	0.0109	0.409376	2.69E-20	0.289498	1.81E-10	0.136959	0.00302
0.08875	-0.09564	0.03882	0.025002	0.58993	0.017828	0.70079	0.146255	0.00153
0.86938	-0.20506	7.93E-06	0.040802	0.37899	-0.0221	0.63382	0.121529	0.00856
2.00E-30	-0.05013	0.27963	0.224524	9.50E-07	0.33367	1.32E-13	0.268569	3.70E-09
8.29E-08	-0.14651	0.0015	-0.18978	3.66E-05	-0.26794	4.04E-09	-0.18379	6.46E-05
0.00015	0.152048	0.00098	0.218642	1.84E-06	0.181059	8.33E-05	0.100723	0.02953
7.64E-12	0.002392	0.95889	0.279512	7.89E-10	0.252635	3.11E-08	0.160306	0.00051
0.01012	-0.13049	0.00474	0.086434	0.06199	0.024411	0.59876	-0.02997	0.51818
1.28E-07	0.138555	0.00269	0.25411	2.57E-08	0.225427	8.57E-07	-0.16126	0.00047
0.07761	-0.15074	0.00109	0.190376	3.46E-05	0.076385	0.09921	0.014225	0.75916
8.03E-18	0.077697	0.09353	0.349158	7.78E-15	0.33524	9.95E-14	0.225963	8.06E-07
0.0007	0.061438	0.18505	0.168129	0.00026	0.15099	0.00106	0.101001	0.02908
0.27574	-0.02784	0.54845	-0.02673	0.56448	0.02621	0.57209	-0.18574	5.39E-05
2.95E-06	0.325162	5.82E-13	0.137909	0.00282	0.247558	5.96E-08	0.114963	0.01292
0.01501	0.00973	0.8339	0.223097	1.12E-06	0.12943	0.00509	-0.06875	0.13793
5.49E-05	-0.00942	0.83907	0.094957	0.04025	0.13372	0.00379	0.227114	7.06E-07
6.66E-05	0.014394	0.75638	0.110688	0.01671	0.153797	0.00085	0.336843	7.47E-14
7.64E-19	0.160608	0.00049	0.505863	1.04E-31	0.42615	4.99E-22	0.309677	7.75E-12
3.85E-09	0.059262	0.20112	0.409428	2.66E-20	0.29503	7.83E-11	0.140578	0.00233
0.00942	-0.09694	0.03624	-0.35188	4.66E-15	-0.25459	2.42E-08	-0.00186	0.96803
4.14E-25	0.176282	0.00013	0.404856	7.59E-20	0.43101	1.51E-22	0.140334	0.00237
0.16925	-0.23385	3.20E-07	0.088644	0.05559	0.003874	0.93346	-0.01318	0.77637
0.01223	-0.24704	6.36E-08	0.07602	0.10084	0.014703	0.75132	-0.00956	0.83668
0.00251	-0.07822	0.09133	0.321973	1.00E-12	0.187945	4.37E-05	-0.0369	0.42631
0.01904	-0.14019	0.00239	0.324951	6.03E-13	0.156564	0.00069	-0.04087	0.37818
1.17E-22	-0.05295	0.25342	0.158119	0.0006	0.254601	2.41E-08	0.280556	6.79E-10
4.58E-20	0.206707	6.68E-06	0.234314	3.03E-07	0.349247	7.65E-15	0.199808	1.36E-05
0.91329	-0.36653	2.70E-16	-0.05574	0.22925	-0.11541	0.01257	0.02888	0.53358
0.00643	0.106963	0.02078	0.048402	0.29659	0.089025	0.05454	0.082917	0.07343
1.42E-10	-0.08487	0.06689	0.151273	0.00104	0.159753	0.00053	0.226605	7.48E-07
2.44E-13	-0.04289	0.35509	0.082287	0.07565	0.156548	0.00069	-0.08767	0.05833
2.87E-21	0.248002	5.63E-08	0.431634	1.29E-22	0.46209	4.43E-26	0.034011	0.46341
1.16E-08	0.048685	0.29377	0.265897	5.34E-09	0.248429	5.34E-08	0.223286	1.09E-06
7.66E-51	0.397888	3.64E-19	0.512075	1.41E-32	0.600807	3.73E-47	0.287923	2.30E-10



0.00039	0.102327	0.02702	0.3782	2.50E-17	0.243882	9.45E-08	-0.00063	0.98912
8.66E-31	0.214033	3.05E-06	0.073307	0.11364	0.331268	2.01E-13	0.342898	2.49E-14
0.70427	-0.28988	1.71E-10	0.133287	0.00391	-0.02529	0.58563	0.116905	0.01146
0.05199	-0.05358	0.24782	-0.11554	0.01247	0.005956	0.89786	0.018436	0.6911
8.50E-26	0.117262	0.01121	0.204003	8.85E-06	0.343616	2.18E-14	0.312405	4.96E-12
0.00067	0.255355	2.19E-08	-0.19735	1.74E-05	-0.12402	0.00729	-0.28664	2.78E-10
1.79E-09	-0.12228	0.00816	-0.00703	0.87949	0.079459	0.0863	0.06877	0.13784
0.00058	-0.05345	0.24897	0.203268	9.55E-06	0.113295	0.0143	-0.14202	0.00209
0.02051	-0.24657	6.75E-08	0.027193	0.55776	-0.0379	0.41387	0.006739	0.88452
0.48351	-0.27424	1.68E-09	-0.03631	0.4337	-0.09165	0.04776	-0.0819	0.07705
1.07E-41	0.368138	1.95E-16	0.539437	1.29E-36	0.598829	8.85E-47	0.303901	1.96E-11
0.03569	-0.39625	5.23E-19	-0.20129	1.17E-05	-0.2726	2.11E-09	-0.08174	0.07763
6.92E-28	0.16755	0.00028	0.423591	9.31E-22	0.386409	4.44E-18	0.136384	0.00315
1.32E-20	0.110523	0.01688	0.128122	0.00556	0.29537	7.43E-11	0.202476	1.04E-05
4.24E-28	0.08975	0.05259	0.212746	3.51E-06	0.335079	1.02E-13	0.35189	4.65E-15
2.80E-10	0.099394	0.03176	0.053434	0.24914	0.196722	1.85E-05	0.075629	0.10261
1.80E-05	0.117427	0.0111	0.200217	1.30E-05	0.210684	4.38E-06	0.225337	8.66E-07
3.56E-10	0.000575	0.99011	0.093688	0.04301	0.177643	0.00011	0.000368	0.99367
0.00496	0.170138	0.00022	-0.0423	0.3617	-0.05087	0.27262	0.00235	0.95961
0.1211	0.364949	3.69E-16	0.156079	0.00071	0.143355	0.0019	-0.15418	0.00083
1.27E-08	0.050598	0.27519	0.302904	2.29E-11	0.231494	4.23E-07	0.160162	0.00051
0.19805	-0.25373	2.70E-08	0.051191	0.26959	-0.01445	0.75542	0.022197	0.63232
3.23E-11	0.02189	0.63705	-0.03727	0.42168	0.134379	0.00362	0.266363	5.01E-09
1.86E-08	0.135584	0.00333	0.278784	8.77E-10	0.245154	8.06E-08	0.089457	0.05337
0.0008	-0.11281	0.01473	0.307195	1.16E-11	0.164501	0.00036	0.012497	0.78766
7.45E-33	0.243319	1.01E-07	0.452428	6.07E-25	0.491181	9.90E-30	0.134581	0.00357
0.00026	-0.09957	0.03145	0.214333	2.96E-06	0.113284	0.01431	-0.01233	0.79045
0.74566	-0.33333	1.40E-13	0.0355	0.44407	-0.06771	0.14399	0.152386	0.00095
5.97E-07	0.002376	0.95917	0.241452	1.28E-07	0.181728	7.83E-05	0.154665	0.0008
3.79E-16	-0.12481	0.00692	0.055242	0.23345	0.121022	0.00885	0.093949	0.04243
5.61E-16	-0.02753	0.55294	0.241398	1.28E-07	0.276051	1.30E-09	0.220774	1.45E-06
2.16E-20	0.44631	3.05E-24	0.582158	1.03E-43	0.549637	3.22E-38	0.126736	0.0061
0.01378	0.150852	0.00108	0.210726	4.36E-06	0.170101	0.00022	0.125693	0.00653
3.27E-12	-0.16257	0.00042	-0.02675	0.56424	0.080428	0.08253	0.174365	0.00015
0.00061	0.217916	2.00E-06	0.384966	6.04E-18	0.297132	5.66E-11	0.036317	0.43364
5.43E-10	-0.22937	5.43E-07	0.045266	0.32903	0.08236	0.07539	0.176506	0.00013
6.54E-36	0.098318	0.03366	0.208393	5.59E-06	0.327485	3.89E-13	0.262775	8.16E-09
2.46E-10	0.067984	0.1424	0.391479	1.49E-18	0.299579	3.87E-11	0.059823	0.19689
0.90312	-0.37306	7.21E-17	-0.17989	9.27E-05	-0.20342	9.40E-06	-0.05321	0.25111
0.00031	0.118304	0.01051	0.186325	5.09E-05	0.184234	6.20E-05	-0.0463	0.31805
4.77E-05	-0.10058	0.02975	0.086013	0.06328	0.087269	0.05951	-0.10775	0.01986
0.02741	0.105716	0.02232	-0.16696	0.00029	-0.07413	0.10961	-0.14526	0.00165
4.50E-07	-0.20315	9.66E-06	0.083422	0.07169	0.102076	0.0274	0.008012	0.8629
6.81E-07	0.125302	0.0067	0.170192	0.00022	0.187	4.78E-05	0.11244	0.01506
0.94788	-0.2897	1.76E-10	-0.10952	0.01791	-0.11906	0.01002	0.068641	0.13858

1.30E-46	0.422183	1.31E-21	0.430875	1.56E-22	0.585135	3.00E-44	0.20118	1.18E-05
1.36E-12	0.075857	0.10158	0.115676	0.01237	0.221031	1.41E-06	0.226995	7.15E-07
1.50E-14	-0.0286	0.53759	0.052519	0.25735	0.166907	0.00029	0.335669	9.21E-14
7.55E-10	-0.15678	0.00067	-0.05185	0.26349	0.052606	0.25655	0.387338	3.64E-18
3.55E-14	0.0228	0.6231	-0.00877	0.85001	0.164556	0.00036	0.332813	1.53E-13
3.34E-29	0.089171	0.05414	0.338856	5.19E-14	0.374493	5.38E-17	0.125276	0.00671
7.22E-05	-0.17574	0.00013	0.061003	0.18818	0.032397	0.48492	0.09514	0.03986
3.53E-23	0.160474	0.0005	0.35022	6.38E-15	0.410031	2.31E-20	0.276187	1.27E-09
0.01635	-0.01532	0.74117	0.106888	0.02087	0.055805	0.22872	-0.13136	0.00446
1.10E-45	0.523251	3.50E-34	0.668087	1.11E-61	0.710697	4.93E-73	0.303457	2.10E-11
1.93E-07	0.095515	0.03909	0.222467	1.20E-06	0.219539	1.67E-06	0.423523	9.46E-22
5.40E-14	0.280221	7.12E-10	0.435861	4.47E-23	0.411839	1.52E-20	0.178951	0.0001
0.86424	-0.11385	0.01383	0.022894	0.62168	-0.02454	0.59677	0.21789	2.00E-06
1.08E-13	0.036995	0.4251	0.25909	1.34E-08	0.305401	1.54E-11	-0.0339	0.46486
5.14E-24	0.1718	0.00019	0.548982	4.09E-38	0.500654	5.36E-31	0.154169	0.00083
2.59E-09	0.111845	0.0156	0.288763	2.02E-10	0.273999	1.73E-09	0.221958	1.27E-06
0.54852	-0.01131	0.80749	0.243263	1.02E-07	0.087216	0.05966	0.114008	0.0137
1.40E-14	-0.06507	0.16035	0.33564	9.26E-14	0.249901	4.42E-08	0.376558	3.52E-17
0.58783	-0.16226	0.00043	-0.01346	0.77172	-0.0372	0.42259	0.077063	0.09624
2.29E-07	-0.25861	1.42E-08	0.127585	0.00576	0.083264	0.07223	-0.01405	0.76195
1.79E-08	0.046611	0.31484	0.090102	0.05167	0.145627	0.0016	0.118519	0.01037
3.22E-22	0.011941	0.7969	0.383506	8.23E-18	0.378952	2.14E-17	0.233472	3.35E-07
1.18E-20	0.229738	5.20E-07	0.46806	8.42E-27	0.409919	2.37E-20	0.100008	0.03071
6.01E-36	0.12989	0.00493	0.322349	9.42E-13	0.414521	8.11E-21	0.47245	2.43E-27
5.35E-07	-0.00469	0.91943	0.3083	9.68E-12	0.242608	1.11E-07	-0.05049	0.27622
8.46E-21	0.207934	5.87E-06	0.498228	1.14E-30	0.458146	1.30E-25	0.338879	5.17E-14
0.00646	-0.12495	0.00686	0.141637	0.00215	0.07921	0.0873	0.189479	3.77E-05
2.20E-28	0.376592	3.50E-17	0.660574	7.17E-60	0.625742	4.00E-52	0.353968	3.13E-15
5.79E-14	0.243262	1.02E-07	0.420971	1.75E-21	0.416047	5.66E-21	0.285857	3.12E-10
6.55E-21	-0.13121	0.00451	0.206962	6.50E-06	0.240232	1.48E-07	0.030804	0.50666
0.53693	-0.13451	0.00359	0.189896	3.62E-05	0.019167	0.6795	0.041307	0.37312
5.33E-05	-0.26053	1.10E-08	-0.0225	0.62768	-0.04576	0.32382	0.018843	0.68463
0.37865	-0.24001	1.52E-07	-0.07497	0.10563	-0.12108	0.00881	0.083136	0.07267
0.01617	-0.10239	0.02693	0.081036	0.08022	0.042055	0.36452	0.096481	0.03714
0.00059	-0.13378	0.00378	0.168652	0.00025	0.086125	0.06293	0.052181	0.26043
1.10E-08	0.119293	0.00987	-0.14276	0.00198	0.045466	0.32689	0.163103	0.0004
4.27E-37	0.319734	1.47E-12	0.260102	1.17E-08	0.409089	2.88E-20	0.28633	2.91E-10
1.72E-11	0.06805	0.14201	-0.15333	0.00089	-0.13349	0.00385	-0.29853	4.55E-11
6.12E-14	0.025897	0.57669	0.239022	1.72E-07	0.222922	1.14E-06	0.286128	3.00E-10
1.49E-10	-0.01731	0.70904	0.100856	0.02931	0.173162	0.00017	0.106659	0.02115
1.10E-16	0.24908	4.91E-08	0.472121	2.67E-27	0.411205	1.76E-20	-0.05428	0.24168
1.16E-12	0.142492	0.00202	0.159017	0.00056	0.249047	4.93E-08	0.232167	3.91E-07
8.63E-05	-0.0993	0.03193	0.070479	0.12829	0.084156	0.06922	0.095894	0.03831
4.67E-18	-0.0206	0.65696	-0.04094	0.37736	0.167021	0.00029	0.251618	3.55E-08
0.87045	-0.27459	1.59E-09	-0.0529	0.25394	-0.15889	0.00057	-0.06556	0.15724

8.37E-20	-0.01813	0.69596	0.18698	4.79E-05	0.282374	5.21E-10	0.348955	8.09E-15
1.02E-24	0.119253	0.0099	0.183729	6.50E-05	0.282263	5.29E-10	0.317789	2.03E-12
0.00292	-0.18223	7.47E-05	-0.30301	2.26E-11	-0.23479	2.86E-07	0.007131	0.87785
2.64E-08	0.172408	0.00018	-0.05325	0.25079	-0.06831	0.14046	-0.02787	0.54801
5.17E-05	-0.16279	0.00041	0.064443	0.16443	0.038791	0.40296	0.371196	1.05E-16
7.62E-10	0.077166	0.0958	0.144168	0.00179	0.186988	4.78E-05	0.151925	0.00099
1.31E-10	0.24718	6.25E-08	0.514015	7.49E-33	0.449603	1.29E-24	0.278808	8.74E-10
0.04617	-0.33553	9.45E-14	-0.01742	0.70726	-0.05203	0.2618	0.067525	0.14512
0.24904	-0.09783	0.03456	-0.13661	0.00309	-0.07976	0.0851	-0.03105	0.50329
1.26E-08	-0.04098	0.37693	0.237998	1.95E-07	0.210362	4.54E-06	0.220385	1.52E-06
0.03336	-0.26093	1.05E-08	-0.03007	0.5168	-0.03884	0.40241	0.171225	0.0002
2.80E-06	-0.13651	0.00312	0.13178	0.00434	0.121139	0.00878	0.140403	0.00236
0.0006	-0.20835	5.61E-06	0.085036	0.06635	0.060718	0.19026	0.145459	0.00162
4.23E-34	0.145741	0.00159	0.335707	9.15E-14	0.447909	2.01E-24	0.270374	2.88E-09
2.54E-13	-0.17217	0.00019	0.075154	0.10479	0.125463	0.00663	0.118946	0.01009
8.82E-20	0.029658	0.5226	0.275752	1.35E-09	0.34457	1.83E-14	0.329346	2.82E-13
0.1342	-0.34582	1.45E-14	-0.11217	0.0153	-0.17515	0.00014	0.053277	0.25053
3.80E-38	0.261738	9.39E-09	0.61871	1.12E-50	0.611164	3.64E-49	0.196161	1.96E-05
7.67E-11	-0.11807	0.01066	0.145997	0.00156	0.180347	8.89E-05	0.176742	0.00012
6.28E-38	0.099869	0.03094	0.478363	4.44E-28	0.482359	1.38E-28	0.242641	1.10E-07
3.69E-21	0.044432	0.33802	0.330759	2.20E-13	0.352725	3.97E-15	0.301562	2.84E-11
0.33464	-0.0539	0.24507	-0.01814	0.69575	0.006244	0.89296	0.114395	0.01338
4.43E-49	0.18695	4.80E-05	0.451501	7.78E-25	0.545475	1.47E-37	0.335682	9.19E-14
2.19E-18	-0.03791	0.41378	0.236583	2.31E-07	0.252474	3.18E-08	0.268788	3.59E-09
0.00186	-0.1824	7.36E-05	0.003496	0.93995	-0.00941	0.83923	0.305516	1.51E-11
3.08E-13	-0.19612	1.97E-05	0.084752	0.06727	0.108242	0.0193	0.110292	0.01711
3.43E-09	0.013487	0.77129	0.281386	6.02E-10	0.229526	5.33E-07	0.121234	0.00873
1.43E-12	0.000557	0.99042	0.342126	2.87E-14	0.294102	9.02E-11	0.178451	0.00011
0.04144	-0.22203	1.26E-06	0.040973	0.377	0.016212	0.72676	0.046875	0.3121
6.15E-13	0.043894	0.3439	0.287245	2.54E-10	0.289221	1.89E-10	0.356489	1.93E-15
3.65E-20	0.125009	0.00683	0.425619	5.68E-22	0.405907	5.97E-20	0.012845	0.7819
5.82E-12	0.415909	5.85E-21	0.502634	2.88E-31	0.455246	2.85E-25	0.066566	0.15094
0.32159	-0.24972	4.53E-08	-0.1215	0.00858	-0.11417	0.01356	0.172081	0.00019
1.43E-08	-0.02828	0.54211	-0.03594	0.4384	0.056611	0.22206	0.320786	1.23E-12
0.01371	0.109882	0.01753	0.167169	0.00029	0.171634	0.00019	0.292299	1.19E-10
1.82E-27	0.071413	0.1233	0.367221	2.35E-16	0.356875	1.79E-15	0.151089	0.00106
1.48E-33	0.317259	2.22E-12	0.264458	6.50E-09	0.416805	4.73E-21	0.262964	7.96E-09
1.28E-37	0.317077	2.29E-12	0.418429	3.22E-21	0.541889	5.37E-37	0.262315	8.69E-09
3.09E-15	0.064411	0.16464	-0.00372	0.93617	0.173325	0.00017	0.224503	9.52E-07
0.99287	-0.15453	0.00081	-0.12558	0.00658	-0.09479	0.04061	0.205776	7.36E-06
5.70E-14	0.065268	0.15908	0.233733	3.25E-07	0.290736	1.50E-10	0.344004	2.03E-14
4.62E-36	0.432718	9.85E-23	0.314026	3.80E-12	0.465174	1.89E-26	0.226311	7.74E-07
1.60E-06	0.058256	0.20889	0.177679	0.00011	0.172011	0.00019	0.075957	0.10113
1.27E-05	-0.26581	5.41E-09	-0.08445	0.06826	-0.01902	0.68184	0.182628	7.20E-05
0.00808	0.007875	0.86522	0.3428	2.53E-14	0.194854	2.23E-05	-0.00407	0.93015

0.00434	-0.15578	0.00073	0.00258	0.95566	-0.00193	0.96679	0.436481	3.82E-23
4.79E-06	-0.12625	0.0063	-0.01938	0.67612	0.055744	0.22923	0.103414	0.02543
2.19E-08	0.369859	1.38E-16	0.23791	1.97E-07	0.297435	5.40E-11	0.030855	0.50596
0.07985	0.364171	4.31E-16	0.152739	0.00093	0.183772	6.48E-05	-0.03471	0.4543
0.0129	-0.24867	5.18E-08	0.014753	0.7505	-0.00066	0.98864	0.313259	4.31E-12
1.59E-09	-0.23696	2.21E-07	0.001461	0.97488	0.035763	0.44069	0.105343	0.0228
8.24E-35	0.422489	1.22E-21	0.641248	1.89E-55	0.629312	7.13E-53	0.115067	0.01284
8.55E-38	0.406873	4.79E-20	0.733088	7.22E-80	0.670499	2.84E-62	0.29447	8.53E-11
0.06577	-0.09291	0.04478	0.361151	7.81E-16	0.15812	0.0006	0.067746	0.14381
4.90E-13	0.192451	2.83E-05	0.043729	0.34573	0.211772	3.90E-06	-0.04323	0.35123
0.62199	0.009999	0.82937	-0.13717	0.00297	-0.07618	0.10013	0.030087	0.51661
1.03E-06	0.097412	0.03534	0.036382	0.43282	-0.0654	0.15825	-0.09833	0.03364
9.60E-07	-0.04823	0.29826	0.227937	6.42E-07	0.170008	0.00022	0.177532	0.00011
6.42E-33	0.377132	3.13E-17	0.460334	7.17E-26	0.539758	1.15E-36	0.075803	0.10182
5.26E-09	-0.03426	0.46017	0.229062	5.63E-07	0.17622	0.00013	0.096687	0.03673
3.11E-09	0.048218	0.29843	0.50513	1.31E-31	0.359357	1.11E-15	0.070012	0.13085
2.56E-16	0.117821	0.01083	0.20695	6.51E-06	0.307297	1.14E-11	0.093964	0.04239
2.08E-23	0.137745	0.00285	0.412572	1.28E-20	0.396781	4.65E-19	-0.11537	0.0126
0.00011	-0.20004	1.33E-05	0.052939	0.25355	0.041998	0.36517	-0.00155	0.97335
1.20E-27	0.141459	0.00218	0.265954	5.30E-09	0.355136	2.50E-15	0.293021	1.06E-10
5.15E-20	-0.0314	0.49845	0.17963	9.49E-05	0.251616	3.55E-08	-0.01323	0.7755
0.26594	-0.28906	1.94E-10	-0.02051	0.65838	-0.06358	0.17018	0.106778	0.021
1.93E-12	-0.07558	0.10285	0.1734	0.00017	0.20386	8.98E-06	0.129734	0.00499
1.00E-43	0.138566	0.00269	0.231885	4.04E-07	0.387681	3.38E-18	0.27886	8.67E-10
3.05E-23	0.078415	0.09053	0.218788	1.81E-06	0.309471	8.01E-12	0.078334	0.09086
3.40E-26	0.015475	0.73873	0.176106	0.00013	0.264873	6.15E-09	0.253941	2.63E-08
2.05E-41	0.393498	9.58E-19	0.322869	8.62E-13	0.522104	5.14E-34	0.197494	1.72E-05
6.97E-11	-0.01604	0.72949	0.169458	0.00023	0.201494	1.15E-05	0.016195	0.72704
7.51E-45	0.297843	5.07E-11	0.421037	1.72E-21	0.508692	4.20E-32	0.113958	0.01374
0.01598	-0.37447	5.41E-17	-0.08807	0.0572	-0.07936	0.0867	-0.00589	0.89905
0.08087	-0.3447	1.78E-14	-0.00428	0.92647	-0.08225	0.07578	0.022065	0.63435
3.12E-05	-0.11289	0.01465	-0.07875	0.08914	-0.00496	0.9148	-0.15632	0.0007
6.04E-09	-0.14316	0.00193	0.030278	0.51394	0.095584	0.03894	0.194477	2.32E-05
1.46E-20	0.139914	0.00244	0.395578	6.07E-19	0.38453	6.63E-18	0.233707	3.26E-07
2.69E-13	0.006184	0.89397	0.293295	1.02E-10	0.298904	4.30E-11	0.293305	1.02E-10
0.00049	-0.12954	0.00505	0.146437	0.00151	0.12991	0.00493	0.266434	4.97E-09
2.85E-13	0.069932	0.13129	0.364515	4.03E-16	0.322644	8.95E-13	0.089168	0.05415
0.03431	0.149052	0.00124	0.320623	1.26E-12	0.179886	9.27E-05	0.020663	0.65605
5.29E-10	-0.0317	0.49435	0.093636	0.04312	0.155006	0.00078	0.217328	2.13E-06
0.00036	0.345732	1.47E-14	-0.04987	0.28213	0.12513	0.00678	0.224817	9.19E-07
2.38E-06	-0.05287	0.25418	-0.26314	7.77E-09	-0.23458	2.94E-07	0.044056	0.34213
5.99E-07	-0.17348	0.00016	0.192538	2.80E-05	0.131493	0.00442	0.119742	0.0096
0.01235	-0.08725	0.05955	-0.00033	0.99427	0.024698	0.59447	0.132237	0.0042
8.78E-11	-0.04951	0.2857	0.322022	9.95E-13	0.253747	2.70E-08	0.124497	0.00707
1.46E-18	0.0746	0.10739	0.239277	1.67E-07	0.313125	4.41E-12	0.290348	1.60E-10

2.22E-10	0.027124	0.55875	0.175887	0.00013	0.217457	2.10E-06	0.28414	4.02E-10
0.00446	-0.41244	1.32E-20	-0.25058	4.05E-08	-0.27106	2.62E-09	-0.05976	0.19735
5.70E-08	0.134211	0.00366	0.489523	1.63E-29	0.355364	2.40E-15	0.153873	0.00085
0.00017	-0.10336	0.02551	-0.04443	0.33809	0.023589	0.61113	0.105331	0.02282
1.58E-25	0.018653	0.68765	0.387075	3.85E-18	0.374633	5.23E-17	-0.02009	0.665
6.16E-26	0.242475	1.13E-07	0.56983	1.47E-41	0.519709	1.15E-33	-0.03892	0.40143
5.39E-20	-0.02864	0.53691	0.381516	1.25E-17	0.284269	3.95E-10	0.20838	5.60E-06
0.0557	-0.32896	3.01E-13	-0.01114	0.81025	-0.0838	0.07041	0.179875	9.28E-05
2.77E-34	0.35381	3.23E-15	0.519718	1.14E-33	0.536298	3.91E-36	0.217104	2.18E-06
3.60E-06	-0.06022	0.19391	0.542872	3.77E-37	0.309939	7.42E-12	0.070545	0.12793
5.76E-07	0.190144	3.54E-05	0.561369	3.93E-40	0.401018	1.81E-19	0.12812	0.00556
3.08E-14	0.14351	0.00188	0.363804	4.63E-16	0.316384	2.57E-12	0.165559	0.00033
8.11E-34	0.37865	2.28E-17	0.568456	2.52E-41	0.566259	5.96E-41	0.25395	2.63E-08
1.17E-31	0.358856	1.22E-15	0.652118	6.76E-58	0.604988	5.87E-48	0.052399	0.25844
0.03177	-0.2842	3.98E-10	-0.07797	0.0924	-0.08618	0.06276	0.132188	0.00422
1.90E-11	0.129193	0.00517	0.154447	0.00081	0.24928	4.79E-08	0.124189	0.00721
2.65E-23	0.392921	1.09E-18	0.369322	1.54E-16	0.472849	2.17E-27	0.20871	5.41E-06
0.19884	-0.51448	6.44E-33	-0.15861	0.00058	-0.22421	9.85E-07	-0.01116	0.80992
3.62E-08	0.178479	0.00011	0.300305	3.45E-11	0.283852	4.19E-10	0.312324	5.03E-12
3.99E-12	-0.05835	0.20819	0.363457	4.96E-16	0.301966	2.66E-11	0.225581	8.42E-07
3.15E-06	0.069427	0.1341	0.121779	0.00843	0.169333	0.00024	0.086345	0.06226
6.58E-12	-0.02162	0.64125	0.126255	0.00629	0.192246	2.88E-05	0.209873	4.78E-06
1.34E-05	-0.17436	0.00015	0.069198	0.13539	0.049658	0.28421	0.145756	0.00159
0.00132	-0.16484	0.00035	0.266556	4.88E-09	0.082827	0.07375	0.18341	6.70E-05
0.14478	-0.22002	1.58E-06	-0.03091	0.50516	-0.08117	0.07971	-0.12397	0.00732
3.09E-53	0.261822	9.28E-09	0.534001	8.75E-36	0.615366	5.29E-50	0.360112	9.57E-16
2.96E-11	-0.14792	0.00135	0.10113	0.02888	0.103875	0.02478	0.261196	1.01E-08
8.41E-09	0.134202	0.00367	0.13672	0.00307	0.222689	1.17E-06	0.266816	4.71E-09
3.91E-12	0.08495	0.06663	0.002593	0.95543	0.180447	8.81E-05	0.052566	0.25692
2.66E-08	-0.01306	0.77829	0.096129	0.03784	0.17301	0.00017	0.36247	6.03E-16
0.27501	-0.23322	3.45E-07	-0.16276	0.00041	-0.17092	0.00021	-0.04849	0.29576
0.0009	0.281666	5.78E-10	0.325766	5.24E-13	0.262512	8.46E-09	0.107553	0.02008
7.93E-09	0.047758	0.30306	0.431083	1.48E-22	0.326957	4.27E-13	-0.05462	0.23878
5.11E-15	0.058517	0.20686	0.168312	0.00026	0.240995	1.35E-07	0.053929	0.24477
7.88E-19	-0.04246	0.35989	0.118255	0.01054	0.19968	1.38E-05	0.212194	3.73E-06
3.35E-07	-0.01774	0.70224	-0.07108	0.12508	0.058061	0.21042	0.170864	0.00021
1.57E-12	0.020264	0.66227	0.327674	3.77E-13	0.287293	2.52E-10	0.174146	0.00016
0.00069	-0.18635	5.08E-05	-0.05187	0.26329	-0.01184	0.79857	0.097138	0.03586
1.79E-20	0.000734	0.98739	0.261864	9.23E-09	0.321528	1.08E-12	0.288952	1.97E-10
0.09645	-0.31996	1.41E-12	0.100531	0.02984	-0.0443	0.33949	-0.03419	0.46108
0.00444	-0.24598	7.27E-08	0.007639	0.86923	-0.02413	0.60301	0.139387	0.00254
2.60E-09	-0.15427	0.00082	0.310185	7.13E-12	0.218993	1.77E-06	0.05141	0.26755
5.38E-28	0.305201	1.59E-11	0.155479	0.00075	0.361649	7.08E-16	0.272984	2.00E-09
4.15E-05	-0.02902	0.53153	-0.25499	2.30E-08	-0.19906	1.47E-05	-0.11699	0.01141
0.81625	-0.10962	0.01781	0.260945	1.04E-08	0.077125	0.09597	-0.12708	0.00596

0.13506	-0.24441	8.85E-08	0.236007	2.48E-07	-0.04031	0.3848	-0.03345	0.47089
5.33E-07	-0.14719	0.00142	0.147962	0.00134	0.135555	0.00333	0.084388	0.06845
2.59E-11	0.030326	0.51327	0.275997	1.31E-09	0.251906	3.42E-08	0.389295	2.39E-18
2.77E-27	0.067298	0.14648	0.23888	1.75E-07	0.320695	1.25E-12	0.245633	7.59E-08
0.00312	-0.00999	0.82959	0.118408	0.01044	0.112915	0.01463	0.013233	0.77548
0.0004	0.236265	2.40E-07	-0.15533	0.00076	-0.0729	0.11566	-0.06475	0.16239
0.02938	0.022291	0.63088	-0.01963	0.67222	0.076623	0.09816	0.380035	1.71E-17
9.78E-06	-0.22212	1.25E-06	-0.00968	0.83472	0.007579	0.87024	0.161233	0.00047
3.88E-15	0.112363	0.01512	0.199191	1.45E-05	0.241982	1.20E-07	0.252985	2.98E-08
1.10E-08	0.371262	1.04E-16	0.305114	1.61E-11	0.371161	1.06E-16	0.206303	6.97E-06
1.43E-17	-0.03414	0.46168	0.364363	4.15E-16	0.3246	6.41E-13	0.210274	4.58E-06
1.01E-12	0.080723	0.0814	0.233348	3.40E-07	0.293196	1.04E-10	0.177438	0.00012
3.42E-31	0.227402	6.83E-07	0.531001	2.48E-35	0.521454	6.39E-34	0.229024	5.66E-07
1.91E-19	0.046606	0.31489	0.374083	5.86E-17	0.326681	4.48E-13	-0.08206	0.07647
0.08873	0.410797	1.94E-20	0.134558	0.00358	0.141817	0.00213	0.096301	0.03749
2.61E-14	-0.01326	0.77503	0.036886	0.42647	0.181891	7.71E-05	0.19666	1.87E-05
0.00018	0.094207	0.04186	-0.22085	1.44E-06	-0.13343	0.00387	-0.0706	0.12762
7.55E-16	0.32683	4.36E-13	0.586269	1.87E-44	0.478774	3.94E-28	0.03777	0.41546
0.00229	-0.27188	2.34E-09	-0.09006	0.05179	-0.05477	0.23748	0.004048	0.93048
0.29124	-0.25452	2.44E-08	0.03843	0.40735	-0.03334	0.47226	0.046278	0.31831
0.11017	-0.25798	1.55E-08	-0.09463	0.04095	-0.11596	0.01215	0.073691	0.11175
1.09E-05	-0.12425	0.00718	-0.00076	0.98695	0.018367	0.69219	0.319174	1.61E-12
1.94E-43	0.300904	3.14E-11	0.333194	1.43E-13	0.500974	4.85E-31	0.02278	0.6234
0.92192	-0.10388	0.02477	0.12484	0.00691	0.037786	0.41527	0.253027	2.96E-08
0.02644	-0.07871	0.08931	0.104552	0.02385	0.086477	0.06186	0.198692	1.52E-05
0.00794	-0.14716	0.00143	0.19893	1.49E-05	0.089463	0.05336	0.077324	0.09511
1.44E-11	0.184229	6.20E-05	0.497889	1.27E-30	0.38659	4.27E-18	0.318566	1.78E-12
1.96E-08	-0.11781	0.01084	0.320957	1.19E-12	0.213584	3.21E-06	0.172775	0.00018
0.24129	-0.34352	2.22E-14	-0.06225	0.1793	-0.10434	0.02414	0.004149	0.92875
0.04247	-0.32008	1.38E-12	-0.20512	7.88E-06	-0.15708	0.00066	0.010228	0.82553
7.80E-32	0.192144	2.91E-05	0.223466	1.07E-06	0.371649	9.62E-17	0.451403	7.98E-25
0.04054	-0.09931	0.0319	0.115539	0.01247	0.080274	0.08312	0.074052	0.11
6.72E-27	0.192104	2.92E-05	0.122476	0.00806	0.353682	3.31E-15	0.236974	2.20E-07
3.14E-18	0.108861	0.01861	0.335984	8.71E-14	0.36198	6.64E-16	0.112848	0.01469
3.21E-06	0.149985	0.00115	0.170678	0.00021	0.179502	9.60E-05	0.258775	1.39E-08
2.46E-14	0.24235	1.14E-07	0.193246	2.62E-05	0.287712	2.37E-10	0.185092	5.72E-05
5.60E-11	0.02792	0.54726	0.316902	2.36E-12	0.282442	5.16E-10	0.246282	7.00E-08
4.45E-14	-0.00277	0.95236	0.167728	0.00027	0.233339	3.40E-07	0.132967	0.004
5.58E-21	0.279324	8.11E-10	0.522102	5.14E-34	0.485156	6.04E-29	0.004171	0.92837
1.40E-05	-0.13375	0.00378	0.036487	0.43149	0.05888	0.20405	0.033304	0.47277
9.58E-17	0.122393	0.0081	0.34178	3.05E-14	0.349608	7.15E-15	0.232824	3.62E-07
1.63E-25	0.147916	0.00135	0.298638	4.48E-11	0.392612	1.16E-18	0.212929	3.44E-06
6.29E-12	0.065043	0.16052	0.330539	2.29E-13	0.32223	9.61E-13	0.19127	3.17E-05
3.30E-18	0.212787	3.50E-06	0.244859	8.37E-08	0.332174	1.71E-13	0.344256	1.94E-14
0.36616	-0.27336	1.90E-09	0.035059	0.44975	-0.05652	0.22277	0.069183	0.13548

1.76E-19	0.220789	1.45E-06	0.640332	3.01E-55	0.517034	2.78E-33	0.035786	0.4404
0.00111	0.038451	0.4071	0.151965	0.00099	0.13238	0.00416	0.107007	0.02073
3.02E-11	-0.04862	0.29445	0.467833	8.98E-27	0.301871	2.70E-11	-0.01869	0.68702
6.24E-06	0.000314	0.99461	0.202574	1.03E-05	0.16214	0.00044	-0.06883	0.1375
0.15897	-0.23881	1.76E-07	0.120153	0.00935	0.02543	0.58358	0.084752	0.06727
1.18E-09	0.121526	0.00857	0.102669	0.02651	0.192144	2.91E-05	0.305675	1.48E-11
9.43E-11	0.108614	0.01888	0.372107	8.77E-17	0.318202	1.90E-12	0.230759	4.62E-07
0.01057	-0.01342	0.77232	-0.09395	0.04243	-0.15059	0.0011	-0.08363	0.07099
7.08E-26	0.277019	1.13E-09	0.364597	3.96E-16	0.430004	1.93E-22	0.43017	1.86E-22
6.46E-30	0.341305	3.33E-14	0.380541	1.54E-17	0.467473	9.93E-27	0.310604	6.66E-12
1.87E-20	0.204204	8.67E-06	0.344676	1.79E-14	0.385307	5.62E-18	0.217969	1.98E-06
2.29E-09	-0.09566	0.03878	-0.09353	0.04335	0.025585	0.58129	0.028539	0.53842
5.19E-45	0.229947	5.08E-07	0.156902	0.00067	0.400744	1.92E-19	0.351826	4.71E-15
8.15E-17	0.195073	2.18E-05	0.522643	4.29E-34	0.455048	3.01E-25	0.160861	0.00048
1.44E-06	-0.06023	0.19388	0.501083	4.69E-31	0.310519	6.75E-12	-0.01683	0.71684
0.0315	-0.15482	0.00079	-0.06112	0.18733	-0.07208	0.11984	0.154147	0.00083
1.46E-15	0.016906	0.71556	0.331716	1.86E-13	0.321119	1.16E-12	0.106679	0.02112
0.03362	0.095875	0.03835	0.132867	0.00402	0.135911	0.00325	0.155969	0.00072
0.62807	0.046483	0.31617	-0.11692	0.01145	-0.01559	0.73691	-0.11366	0.01399
7.05E-34	0.213221	3.34E-06	0.566541	5.34E-41	0.501736	3.82E-31	0.095861	0.03838
3.50E-07	-0.06327	0.17226	0.210379	4.53E-06	0.176282	0.00013	0.096384	0.03733
1.07E-32	0.312362	5.00E-12	0.297271	5.54E-11	0.443598	6.19E-24	0.322037	9.93E-13
0.00033	0.163187	0.0004	0.193166	2.64E-05	0.193873	2.46E-05	0.0899	0.0522
3.37E-20	0.12479	0.00693	0.253093	2.94E-08	0.334994	1.04E-13	0.190505	3.42E-05
6.23E-30	0.138153	0.00277	0.472838	2.18E-27	0.477136	6.34E-28	0.132451	0.00414
0.85409	-0.24333	1.01E-07	0.138879	0.00263	-0.02646	0.56836	-0.08672	0.06113
5.27E-59	0.371367	1.02E-16	0.491039	1.03E-29	0.649328	2.94E-57	0.371524	9.87E-17
1.34E-13	0.410683	1.99E-20	0.369243	1.57E-16	0.417349	4.16E-21	-0.0225	0.62767
0.00549	0.230882	4.55E-07	0.162443	0.00042	0.213757	3.15E-06	0.276567	1.20E-09
0.11557	0.101869	0.02772	-0.12506	0.00681	0.001741	0.97006	-0.11912	0.00998
2.66E-20	0.120218	0.00931	0.261601	9.56E-09	0.350046	6.59E-15	0.079181	0.08741
9.74E-52	0.256556	1.87E-08	0.377489	2.90E-17	0.544799	1.88E-37	0.365705	3.18E-16
0.00225	-0.06786	0.14315	0.123525	0.00753	0.089006	0.05459	0.233157	3.48E-07
1.19E-09	0.1742	0.00015	0.251313	3.69E-08	0.259866	1.21E-08	0.415092	7.09E-21
0.01673	0.147959	0.00134	-0.04892	0.29144	-0.04432	0.3392	-0.1061	0.02184
3.52E-47	0.343224	2.34E-14	0.577347	7.31E-43	0.605995	3.75E-48	0.389171	2.45E-18
0.0106	-0.30081	3.19E-11	-0.27303	1.99E-09	-0.26423	6.70E-09	-0.13052	0.00473
1.25E-34	0.340871	3.60E-14	0.48684	3.65E-29	0.560003	6.63E-40	0.115601	0.01242
1.11E-70	0.387861	3.25E-18	0.40995	2.36E-20	0.63818	8.92E-55	0.204737	8.20E-06
0.00668	-0.19894	1.48E-05	-0.13891	0.00263	-0.1878	4.43E-05	-0.07328	0.11378
1.56E-29	0.236739	2.27E-07	0.293826	9.41E-11	0.419633	2.41E-21	0.125727	0.00652
0.00457	-0.04663	0.31465	0.235419	2.66E-07	0.161085	0.00047	0.000652	0.98879
0.00032	-0.30007	3.58E-11	0.031705	0.49429	0.015976	0.73059	0.129038	0.00523
4.32E-06	-0.05185	0.26347	0.131742	0.00435	0.105493	0.02261	0.063916	0.16791
1.57E-09	0.141895	0.00211	0.105577	0.0225	0.203552	9.27E-06	0.15068	0.00109

3.80E-10	-0.06282	0.17533	0.117251	0.01122	0.119107	0.00999	0.045259	0.3291
2.07E-08	-0.03304	0.47632	0.347357	1.09E-14	0.264574	6.40E-09	0.118513	0.01037
4.97E-19	0.314544	3.49E-12	0.541765	5.61E-37	0.47343	1.84E-27	0.283437	4.46E-10
9.91E-38	0.233736	3.25E-07	0.36959	1.46E-16	0.462564	3.89E-26	0.363161	5.26E-16
2.99E-21	0.27569	1.36E-09	0.704185	3.62E-71	0.558829	1.04E-39	0.168919	0.00025
2.20E-50	0.488258	2.39E-29	0.573391	3.58E-42	0.654899	1.54E-58	0.3302	2.43E-13
1.99E-15	0.029834	0.52013	0.20295	9.86E-06	0.266979	4.61E-09	0.258145	1.52E-08
9.16E-25	0.497559	1.40E-30	0.457352	1.62E-25	0.520799	7.96E-34	0.230491	4.76E-07
2.29E-40	0.418902	2.87E-21	0.615329	5.39E-50	0.63054	3.92E-53	0.227472	6.77E-07
9.38E-18	0.029208	0.52893	-0.00441	0.92435	0.204634	8.29E-06	0.377743	2.75E-17
0.00203	-0.04431	0.33936	0.107938	0.01964	0.075526	0.10308	-0.09617	0.03775
0.12229	-0.33603	8.63E-14	-0.04756	0.30509	-0.08712	0.05994	-0.00461	0.92087
0.00116	0.090336	0.05107	0.111631	0.0158	0.10078	0.02944	0.14663	0.00149
0.0054	-0.01507	0.7453	0.098059	0.03413	0.074357	0.10854	-0.02384	0.60736
3.42E-13	-0.03572	0.4413	0.260198	1.15E-08	0.269993	3.04E-09	0.142609	0.00201
1.81E-22	0.213653	3.18E-06	0.407175	4.47E-20	0.427548	3.54E-22	0.291967	1.25E-10
1.96E-08	-0.04436	0.33881	0.19577	2.04E-05	0.189044	3.93E-05	0.309388	8.12E-12
4.80E-12	0.204285	8.59E-06	0.476253	8.18E-28	0.386917	3.98E-18	0.288315	2.16E-10
8.43E-35	0.274702	1.57E-09	0.431654	1.28E-22	0.492575	6.48E-30	0.127414	0.00583
1.10E-25	0.223086	1.12E-06	0.465122	1.91E-26	0.462606	3.84E-26	0.268405	3.79E-09
0.01391	-0.02808	0.54492	0.209621	4.91E-06	0.075734	0.10213	0.066809	0.14944
1.56E-05	0.14912	0.00123	0.158311	0.0006	0.180773	8.55E-05	0.007829	0.86601
0.03475	-0.04427	0.33974	0.16383	0.00038	0.089833	0.05238	0.073022	0.11505
9.79E-05	-0.08523	0.06572	0.167062	0.00029	0.126746	0.00609	0.278913	8.61E-10
4.02E-38	0.107493	0.02015	0.210621	4.41E-06	0.337579	6.54E-14	0.219357	1.70E-06
1.75E-33	0.135955	0.00324	0.452926	5.32E-25	0.466273	1.39E-26	0.144591	0.00173
3.14E-21	0.459394	9.28E-26	0.238167	1.91E-07	0.40557	6.45E-20	0.318044	1.95E-12
5.34E-19	0.004227	0.92741	-0.00051	0.99126	0.112293	0.01519	0.048785	0.29278
1.65E-07	0.195017	2.20E-05	0.346818	1.21E-14	0.307678	1.07E-11	0.196768	1.85E-05
4.35E-27	0.246873	6.50E-08	0.670352	3.09E-62	0.586036	2.06E-44	0.25503	2.28E-08
0.48361	-0.286	3.06E-10	-0.11489	0.01298	-0.17636	0.00013	0.028185	0.54347
9.82E-05	0.135888	0.00326	0.15858	0.00058	0.18721	4.68E-05	0.108841	0.01863
3.48E-13	0.232149	3.92E-07	0.121222	0.00873	0.287909	2.30E-10	0.326499	4.62E-13
2.45E-12	0.274207	1.68E-09	0.443621	6.15E-24	0.353352	3.52E-15	0.004001	0.93128
0.08028	-0.17897	0.0001	-0.16029	0.00051	-0.07578	0.10192	0.118668	0.01027
1.85E-06	0.052283	0.2595	0.047679	0.30387	0.113655	0.01399	0.197724	1.68E-05
8.78E-07	-0.00474	0.91856	0.114273	0.01348	0.138106	0.00278	0.287298	2.52E-10
1.51E-49	0.293525	9.85E-11	0.525635	1.56E-34	0.587749	1.01E-44	0.280621	6.72E-10
6.68E-16	-0.04922	0.28852	0.176688	0.00012	0.225951	8.07E-07	0.230175	4.94E-07
0.92992	-0.36017	9.46E-16	-0.05503	0.2353	-0.14154	0.00217	-0.04294	0.35449
3.99E-09	0.070629	0.12748	0.186746	4.90E-05	0.197586	1.70E-05	0.133726	0.00379
3.17E-25	0.220051	1.57E-06	0.46103	5.93E-26	0.459317	9.47E-26	0.262305	8.70E-09
2.13E-05	-0.23829	1.88E-07	0.115717	0.01234	0.067624	0.14453	0.181213	8.21E-05
0.46114	-0.29776	5.14E-11	0.030356	0.51286	-0.07499	0.10556	0.104863	0.02343
8.57E-26	0.002463	0.95766	0.269659	3.18E-09	0.324802	6.19E-13	0.24568	7.55E-08



6.86E-12	-0.1844	6.11E-05	0.212035	3.79E-06	0.149667	0.00118	0.010946	0.81349
4.34E-17	0.218666	1.84E-06	0.503268	2.36E-31	0.427452	3.63E-22	0.017969	0.69853
0.51482	0.206269	6.99E-06	-0.10876	0.01873	0.009912	0.83083	0.166923	0.00029
4.60E-05	0.099723	0.03119	-0.12044	0.00918	-0.09668	0.03674	0.202965	9.85E-06
0.62107	-0.25445	2.46E-08	-0.01847	0.69055	-0.10026	0.0303	-0.18207	7.58E-05
0.05788	-0.32018	1.36E-12	-0.10775	0.01986	-0.19042	3.44E-05	0.014891	0.74825
0.0479	-0.26651	4.92E-09	-0.06036	0.19289	-0.09343	0.04359	-0.04011	0.38715
5.15E-18	-0.07781	0.09304	-0.31586	2.80E-12	-0.30614	1.37E-11	-0.10766	0.01996
2.64E-25	0.20525	7.77E-06	0.35002	6.62E-15	0.420913	1.78E-21	0.373183	7.04E-17
7.77E-20	0.114953	0.01293	0.252516	3.16E-08	0.329281	2.85E-13	0.487526	2.98E-29
1.83E-10	0.266755	4.75E-09	0.391252	1.56E-18	0.38036	1.60E-17	0.118058	0.01067
3.05E-41	0.290307	1.61E-10	0.348933	8.12E-15	0.445388	3.89E-24	0.247275	6.18E-08
4.44E-12	0.073197	0.11418	0.195459	2.10E-05	0.256301	1.93E-08	0.100861	0.02931
9.44E-13	0.11573	0.01233	0.459031	1.02E-25	0.406455	5.27E-20	0.117871	0.01079
#####	0.379899	1.76E-17	0.608674	1.12E-48	0.697548	2.57E-69	0.251104	3.79E-08
7.46E-55	0.461861	4.72E-26	0.57656	1.00E-42	0.666571	2.60E-61	0.320849	1.21E-12
7.79E-19	0.070938	0.12582	0.159154	0.00056	0.277888	9.97E-10	0.187099	4.73E-05
1.60E-35	0.38757	3.46E-18	0.569097	1.96E-41	0.580838	1.77E-43	0.177256	0.00012
0.82337	-0.20683	6.59E-06	-0.04422	0.34033	-0.06571	0.15626	0.112353	0.01513
2.66E-15	-0.09308	0.04437	0.392104	1.30E-18	0.293076	1.06E-10	0.021988	0.63554
0.00077	-0.11287	0.01467	0.159248	0.00055	0.102357	0.02698	-0.03448	0.45729
3.63E-14	0.076968	0.09665	0.28299	4.76E-10	0.248399	5.36E-08	0.055102	0.23464
0.02486	0.005286	0.9093	-0.06681	0.14945	-0.00806	0.86203	0.205706	7.41E-06
0.00017	0.014103	0.76115	0.277992	9.82E-10	0.19554	2.09E-05	0.151101	0.00106
5.72E-20	0.029159	0.52963	0.424875	6.81E-22	0.401739	1.54E-19	0.195437	2.11E-05
8.41E-06	-0.15683	0.00067	0.087399	0.05913	0.081241	0.07946	0.094199	0.04188
5.33E-56	0.388803	2.66E-18	0.623313	1.28E-51	0.694214	2.09E-68	0.242246	1.16E-07
3.31E-05	0.100609	0.02972	0.01318	0.77636	0.125379	0.00667	0.223685	1.05E-06
0.00671	-0.01353	0.77053	0.161855	0.00045	0.105949	0.02203	0.259282	1.30E-08
2.57E-23	0.221774	1.30E-06	0.331133	2.06E-13	0.439661	1.70E-23	0.178053	0.00011
1.11E-18	0.199339	1.43E-05	0.384655	6.45E-18	0.437102	3.27E-23	0.013121	0.77733
0.00268	0.113169	0.01441	0.245073	8.14E-08	0.188847	4.01E-05	0.06344	0.17111
0.00055	0.165325	0.00033	0.48694	3.55E-29	0.287269	2.53E-10	0.08258	0.07462
0.0354	0.213084	3.39E-06	0.17446	0.00015	0.125396	0.00666	0.054276	0.24175
1.37E-08	0.051116	0.27029	0.217948	1.99E-06	0.213209	3.34E-06	0.279193	8.26E-10
7.61E-14	-0.00368	0.93678	0.330252	2.40E-13	0.274976	1.51E-09	0.119592	0.00969
4.17E-06	0.181138	8.27E-05	0.45323	4.90E-25	0.293293	1.02E-10	0.270188	2.96E-09
3.20E-09	-0.08826	0.05666	0.373609	6.45E-17	0.24779	5.79E-08	0.052846	0.25439
0.01853	-0.0089	0.84783	0.037432	0.41966	0.064737	0.16251	0.167424	0.00028
0.01998	0.061885	0.18186	0.06121	0.18668	0.070795	0.12658	0.034836	0.45264
4.64E-14	0.155504	0.00075	0.344699	1.79E-14	0.357238	1.67E-15	0.295027	7.83E-11
2.53E-22	0.204742	8.20E-06	0.538786	1.62E-36	0.448302	1.81E-24	0.163675	0.00038
2.95E-21	0.061612	0.1838	0.245923	7.32E-08	0.24508	8.14E-08	-0.0029	0.95008
0.06035	-0.18999	3.59E-05	0.060645	0.19079	0.027838	0.54845	0.137461	0.00291
1.36E-27	0.154326	0.00082	0.324007	7.09E-13	0.376898	3.28E-17	0.278537	9.08E-10

4.59E-27	0.40983	2.42E-20	0.515926	4.00E-33	0.554366	5.57E-39	0.504406	1.65E-31
0.18371	-0.41382	9.56E-21	-0.04757	0.30493	-0.16693	0.00029	0.080644	0.0817
0.00025	0.181855	7.74E-05	0.178301	0.00011	0.212396	3.65E-06	0.247653	5.89E-08
1.15E-16	0.428284	2.96E-22	0.456032	2.31E-25	0.440142	1.51E-23	0.074794	0.10648
0.30854	-0.28549	3.29E-10	-0.03542	0.44508	-0.07264	0.11697	-0.06353	0.17049
4.39E-05	-0.02589	0.57684	-0.06306	0.17369	0.051114	0.27032	0.331204	2.03E-13
3.22E-05	-0.45279	5.51E-25	-0.33149	1.93E-13	-0.36353	4.90E-16	-0.14694	0.00145
8.49E-11	0.113487	0.01413	0.226792	7.32E-07	0.244522	8.73E-08	0.115667	0.01237
2.33E-09	-0.09775	0.03471	0.047445	0.30625	0.083333	0.07199	0.022729	0.62419
0.01346	0.133243	0.00392	0.085134	0.06604	-0.00767	0.86877	-0.08563	0.06447
0.00096	0.087315	0.05937	0.203172	9.64E-06	0.142506	0.00202	-0.07529	0.10416
1.24E-05	-0.24396	9.36E-08	0.04221	0.36275	0.001919	0.96701	0.172147	0.00019
0.17804	0.026824	0.56312	0.126189	0.00632	0.094808	0.04057	0.066546	0.15106
1.74E-05	-0.00943	0.8389	-0.28532	3.38E-10	-0.21656	2.32E-06	-0.09682	0.03647
1.85E-19	0.084503	0.06808	0.215402	2.63E-06	0.263574	7.33E-09	0.171618	0.00019
4.75E-06	-0.16017	0.00051	0.238894	1.75E-07	0.161429	0.00046	0.158914	0.00057
0.27748	-0.28136	6.04E-10	0.037824	0.41479	-0.04462	0.336	0.063082	0.17354
7.22E-08	0.07786	0.09284	0.252107	3.33E-08	0.26341	7.49E-09	0.208685	5.42E-06
3.27E-36	0.297595	5.27E-11	0.407493	4.15E-20	0.490679	1.15E-29	0.268687	3.64E-09
9.93E-17	0.304497	1.78E-11	0.24826	5.45E-08	0.395402	6.30E-19	0.097471	0.03523
1.75E-17	0.126278	0.00629	0.415672	6.19E-21	0.40699	4.66E-20	0.200689	1.24E-05
5.64E-15	0.105205	0.02298	0.411868	1.51E-20	0.382194	1.09E-17	0.2506	4.05E-08
0.0865	-0.13871	0.00266	0.049835	0.2825	0.011927	0.79713	0.052681	0.25588
0.00212	-0.01964	0.67209	0.19372	2.50E-05	0.104424	0.02402	0.019327	0.67699
0.62943	-0.31841	1.83E-12	-0.06517	0.1597	-0.08857	0.05581	0.020934	0.65183
0.48949	-0.03552	0.44381	-0.05605	0.22669	-0.08495	0.06662	-0.04943	0.28644
0.97507	-0.03203	0.48985	0.008876	0.84829	-0.03324	0.47358	0.107833	0.01976
2.39E-12	-0.03005	0.51708	0.208385	5.60E-06	0.224499	9.53E-07	0.159833	0.00053
0.00367	0.04578	0.32355	0.361607	7.14E-16	0.21716	2.17E-06	0.170772	0.00021
0.19398	0.153014	0.00091	-0.01634	0.72467	0.04455	0.33674	0.135979	0.00324
7.25E-39	0.124642	0.007	0.342723	2.57E-14	0.453007	5.20E-25	0.409188	2.81E-20
3.62E-12	-0.00416	0.92854	0.010792	0.81608	0.123685	0.00745	0.527836	7.37E-35
9.31E-11	-0.04027	0.38527	0.109229	0.01822	0.175434	0.00014	0.331917	1.79E-13
2.39E-21	0.107383	0.02028	0.171341	0.0002	0.317907	1.99E-12	0.24436	8.90E-08
5.33E-08	-0.13742	0.00292	0.100798	0.02941	0.102535	0.02671	-0.21378	3.14E-06
5.70E-07	0.230588	4.71E-07	0.005555	0.9047	0.213357	3.29E-06	0.147796	0.00136
2.41E-06	-0.02917	0.52946	0.059115	0.20225	0.115328	0.01263	0.142063	0.00209
1.61E-06	-0.17425	0.00015	0.118121	0.01063	0.084463	0.06821	0.024206	0.60183
0.60734	-0.12388	0.00736	-0.08251	0.07488	-0.11343	0.01419	0.119283	0.00988
0.70666	-0.44112	1.17E-23	-0.19131	3.16E-05	-0.22244	1.20E-06	0.066712	0.15004
1.60E-32	0.031474	0.49745	0.179963	9.21E-05	0.27123	2.56E-09	0.302113	2.60E-11
5.85E-19	-0.05445	0.24025	-0.02374	0.60886	0.142854	0.00197	0.201965	1.09E-05
1.06E-09	0.161087	0.00047	0.521968	5.38E-34	0.378727	2.24E-17	0.263845	7.07E-09
1.38E-37	0.401867	1.49E-19	0.700827	3.18E-70	0.663567	1.38E-60	0.136416	0.00314
6.55E-44	0.324893	6.09E-13	0.706175	9.87E-72	0.640477	2.80E-55	0.174935	0.00014

8.93E-16	0.216198	2.41E-06	0.612889	1.65E-49	0.463393	3.09E-26	0.060506	0.19181
4.33E-18	0.35034	6.23E-15	0.648852	3.76E-57	0.529668	3.93E-35	0.157439	0.00064
0.00532	0.146427	0.00151	-0.05903	0.20288	-0.0613	0.18603	-0.02195	0.63607
8.56E-28	0.079058	0.0879	0.264334	6.61E-09	0.35777	1.51E-15	-0.00719	0.87681
4.00E-17	0.068968	0.1367	0.413517	1.03E-20	0.386668	4.20E-18	0.266246	5.10E-09
3.16E-33	0.234735	2.88E-07	0.590095	3.76E-45	0.582464	9.07E-44	0.268118	3.94E-09
4.39E-15	0.002132	0.96335	0.372433	8.20E-17	0.331926	1.79E-13	0.164541	0.00036
0.02318	-0.24378	9.57E-08	0.121316	0.00868	0.034887	0.45197	0.0334	0.47149
0.47973	0.254003	2.61E-08	-0.16009	0.00052	-0.0538	0.24594	0.077072	0.0962
0.04464	-0.19176	3.03E-05	-0.07166	0.12202	-0.0781	0.09182	0.066121	0.15369
6.69E-52	0.401314	1.69E-19	0.56104	4.46E-40	0.621926	2.46E-51	0.172062	0.00019
0.00011	-0.19038	3.46E-05	0.017404	0.70757	0.04905	0.29016	0.335633	9.27E-14
2.47E-25	0.201493	1.15E-05	0.344351	1.90E-14	0.396484	4.97E-19	0.167603	0.00027
0.00267	-0.03214	0.48842	0.335962	8.74E-14	0.202678	1.01E-05	-0.00214	0.96317
1.67E-12	-0.10502	0.02322	0.069687	0.13265	0.129578	0.00504	0.112421	0.01507
5.86E-35	0.248373	5.37E-08	0.43467	6.04E-23	0.500236	6.11E-31	0.167075	0.00029
0.02708	-0.20124	1.18E-05	0.032452	0.48418	-0.00393	0.93257	0.017924	0.69925
1.13E-10	0.070299	0.12927	0.388675	2.73E-18	0.311241	6.00E-12	0.002064	0.96452
9.14E-19	0.085337	0.06539	0.256836	1.80E-08	0.326817	4.37E-13	0.150577	0.0011
8.88E-05	-0.33076	2.20E-13	0.000556	0.99043	-0.00406	0.9302	0.076005	0.10091
7.27E-45	0.262728	8.22E-09	0.602503	1.77E-47	0.607034	2.35E-48	0.292251	1.20E-10
3.01E-05	-0.10019	0.0304	0.311094	6.15E-12	0.156901	0.00067	0.007106	0.87828
0.86092	-0.20866	5.44E-06	0.028422	0.54009	-0.05873	0.20522	-0.13228	0.00419
0.20945	-0.21156	3.99E-06	0.01587	0.73231	-0.04956	0.28518	0.12025	0.00929
6.59E-14	0.234011	3.14E-07	0.444026	5.54E-24	0.369479	1.49E-16	-0.03661	0.42997
3.25E-05	-0.26568	5.50E-09	0.056603	0.22212	-0.02012	0.6645	-0.00251	0.95689
6.98E-13	0.117948	0.01074	0.237089	2.17E-07	0.273381	1.89E-09	0.078693	0.08939
8.51E-16	0.467062	1.11E-26	0.195327	2.13E-05	0.363362	5.06E-16	0.233027	3.53E-07
2.40E-22	0.2062	7.04E-06	0.516905	2.90E-33	0.482438	1.35E-28	-0.01823	0.69433
0.00056	0.026452	0.56853	0.129957	0.00491	0.1117	0.01574	0.300535	3.33E-11
0.00016	-0.25527	2.21E-08	0.015194	0.74331	0.00167	0.97129	0.261481	9.72E-09
4.02E-07	-0.04847	0.29591	0.054704	0.23805	0.117468	0.01107	0.137125	0.00298
7.29E-26	0.197089	1.79E-05	0.302373	2.49E-11	0.393655	9.26E-19	0.157798	0.00062
7.05E-14	0.241792	1.22E-07	0.295354	7.45E-11	0.365772	3.14E-16	0.021615	0.64128
6.74E-14	-0.01496	0.74713	0.180752	8.57E-05	0.238023	1.94E-07	-0.00945	0.83857
0.02309	-0.21606	2.45E-06	-0.05645	0.22341	-0.0211	0.64929	0.303251	2.17E-11
0.01775	-0.13777	0.00285	-0.03042	0.51204	-0.02384	0.60733	0.18195	7.67E-05
1.23E-14	0.080847	0.08093	0.383949	7.50E-18	0.32481	6.18E-13	0.2435	9.91E-08
1.33E-08	0.082819	0.07377	0.038264	0.40938	0.13955	0.00251	-0.07633	0.09947
6.51E-19	0.01553	0.73783	0.23866	1.80E-07	0.308247	9.76E-12	0.111845	0.0156
5.42E-18	0.376914	3.27E-17	0.426358	4.74E-22	0.460101	7.65E-26	0.081341	0.07909
7.57E-19	0.029371	0.52663	0.227727	6.57E-07	0.269369	3.31E-09	0.235415	2.66E-07
1.91E-06	0.268315	3.84E-09	0.534333	7.79E-36	0.404427	8.36E-20	0.308917	8.76E-12
1.21E-07	-0.08133	0.07913	0.351625	4.89E-15	0.204523	8.38E-06	-0.02321	0.61693
0.00082	0.24586	7.38E-08	0.399257	2.68E-19	0.292808	1.10E-10	0.011981	0.79624

7.69E-56	0.372067	8.84E-17	0.613244	1.41E-49	0.698065	1.85E-69	0.495338	2.78E-30
1.69E-27	0.299844	3.71E-11	0.135571	0.00333	0.359625	1.05E-15	0.282931	4.80E-10
1.59E-13	0.202144	1.07E-05	0.302279	2.53E-11	0.313419	4.20E-12	0.201085	1.19E-05
5.96E-05	-0.06018	0.19422	-0.18167	7.87E-05	-0.16173	0.00045	0.144005	0.00181
2.98E-11	0.332504	1.62E-13	0.288449	2.12E-10	0.366873	2.52E-16	0.156138	0.00071
1.13E-07	0.132885	0.00402	0.387859	3.25E-18	0.344335	1.91E-14	0.167105	0.00029
0.43548	-0.41513	7.02E-21	-0.24445	8.81E-08	-0.23928	1.66E-07	-0.14034	0.00237
5.93E-36	0.233178	3.47E-07	0.209815	4.81E-06	0.42267	1.16E-21	0.105524	0.02257
0.00062	-0.01209	0.79438	0.113684	0.01397	0.099449	0.03166	0.172146	0.00019
2.34E-21	-0.00935	0.84028	0.20687	6.56E-06	0.249244	4.81E-08	0.178965	0.0001
6.25E-09	-0.25279	3.05E-08	0.12068	0.00904	0.068034	0.14211	0.130707	0.00467
4.81E-07	0.107805	0.01979	0.212749	3.51E-06	0.250728	3.98E-08	0.153454	0.00088
0.67753	-0.28077	6.57E-10	-0.07309	0.11471	-0.12079	0.00898	-0.00328	0.94363
0.02721	-0.09674	0.03664	0.073292	0.11371	0.057656	0.21363	-0.2192	1.73E-06
2.94E-07	0.228736	5.85E-07	0.020179	0.6636	-0.03751	0.41874	-0.23571	2.57E-07
4.96E-06	0.035125	0.44889	-0.08257	0.07466	0.056551	0.22255	-0.01222	0.79228
5.38E-07	0.01888	0.68405	-0.3451	1.66E-14	-0.24568	7.55E-08	-0.19558	2.08E-05
4.42E-20	0.105194	0.023	0.268197	3.90E-09	0.301272	2.97E-11	0.257207	1.72E-08
1.54E-59	0.409617	2.55E-20	0.661767	3.73E-60	0.731962	1.65E-79	0.198425	1.56E-05
6.62E-06	0.057246	0.21691	0.416498	5.09E-21	0.260214	1.15E-08	0.002504	0.95697
1.13E-93	0.259508	1.26E-08	0.414633	7.90E-21	0.539813	1.13E-36	0.255961	2.02E-08
4.44E-08	-0.07658	0.09836	0.211278	4.11E-06	0.203268	9.55E-06	0.291431	1.35E-10
6.38E-05	0.268876	3.55E-09	0.135155	0.00343	0.20825	5.68E-06	0.049609	0.28469
0.51665	-0.46885	6.74E-27	-0.21632	2.38E-06	-0.22392	1.02E-06	0.007029	0.87959
0.45446	-0.07843	0.09046	-0.25256	3.14E-08	-0.19152	3.10E-05	-0.01322	0.77569
0.00183	0.034514	0.45683	0.043846	0.34444	0.082289	0.07565	0.249124	4.89E-08
0.26767	-0.1023	0.02706	0.121506	0.00858	0.028163	0.54378	0.277892	9.97E-10
0.28205	0.13206	0.00425	-0.14667	0.00148	-0.0987	0.03297	-0.02169	0.64015
1.24E-25	-0.00258	0.95559	0.385969	4.88E-18	0.389732	2.17E-18	0.290376	1.59E-10
0.07618	-0.41361	1.00E-20	-0.15395	0.00084	-0.24021	1.49E-07	-0.10641	0.02145
1.88E-47	0.162667	0.00042	0.522652	4.28E-34	0.545269	1.59E-37	0.200146	1.31E-05
0.26156	-0.19033	3.47E-05	0.00348	0.94022	-0.07263	0.117	0.066133	0.15361
1.91E-16	-0.05712	0.2179	0.264973	6.06E-09	0.276599	1.20E-09	0.21298	3.42E-06
1.58E-37	0.15924	0.00055	0.547702	6.54E-38	0.556239	2.76E-39	0.263668	7.24E-09
1.12E-26	0.19886	1.50E-05	0.161306	0.00047	0.304275	1.85E-11	0.312521	4.87E-12
0.00089	-0.09125	0.04876	0.029678	0.52233	0.049217	0.28852	0.133138	0.00395
0.00937	-0.23462	2.92E-07	-0.15909	0.00056	-0.06749	0.14534	0.180431	8.82E-05
1.77E-08	-0.23304	3.53E-07	-0.10796	0.01961	0.015892	0.73195	0.061985	0.18116
1.03E-07	-0.27111	2.60E-09	0.161121	0.00047	0.119034	0.01004	0.18865	4.08E-05
0.07739	-0.13136	0.00446	-0.12851	0.00542	-0.06368	0.1695	-0.26521	5.87E-09
3.83E-05	-0.13126	0.00449	-0.06764	0.14444	0.026242	0.57162	0.344768	1.76E-14
3.36E-16	0.173454	0.00017	-0.01999	0.66655	0.208231	5.69E-06	0.318627	1.77E-12
1.27E-28	0.130317	0.00479	0.251168	3.76E-08	0.339289	4.80E-14	0.42033	2.04E-21
3.36E-29	0.208242	5.68E-06	0.364227	4.26E-16	0.468128	8.26E-27	0.047826	0.30237
0.00113	0.008241	0.85902	-0.04563	0.32513	0.022852	0.62232	0.107713	0.0199

2.35E-19	0.159783	0.00053	0.365262	3.47E-16	0.376272	3.73E-17	0.196918	1.82E-05
1.51E-25	0.259085	1.34E-08	0.226502	7.57E-07	0.40213	1.41E-19	0.191787	3.02E-05
1.99E-21	0.209494	4.98E-06	0.11767	0.01093	0.326076	4.97E-13	0.363909	4.54E-16
6.46E-31	0.112532	0.01497	0.549705	3.14E-38	0.521045	7.33E-34	0.297145	5.65E-11
1.85E-21	0.203446	9.37E-06	0.08147	0.07861	0.294313	8.74E-11	0.173231	0.00017
2.69E-36	0.336821	7.49E-14	0.665956	3.67E-61	0.6277	1.56E-52	0.051704	0.26482
4.05E-20	0.210066	4.68E-06	0.486199	4.42E-29	0.448103	1.91E-24	0.301932	2.67E-11
4.92E-37	0.325632	5.37E-13	0.403796	9.65E-20	0.460899	6.15E-26	0.15781	0.00062
2.76E-08	-0.28326	4.57E-10	0.027181	0.55793	0.022847	0.62239	-0.10275	0.02639
1.64E-07	0.05809	0.21019	0.174056	0.00016	0.191968	2.96E-05	0.125267	0.00672
4.30E-08	0.326089	4.96E-13	0.479557	3.14E-28	0.417074	4.44E-21	0.103501	0.02531
2.53E-16	0.32151	1.09E-12	0.202992	9.82E-06	0.352888	3.85E-15	0.310329	6.97E-12
0.05245	-0.07903	0.08803	0.05039	0.27717	0.027347	0.55553	0.053056	0.25251
9.65E-11	-0.15178	0.001	0.14036	0.00236	0.115025	0.01287	0.150982	0.00106
8.32E-12	0.080974	0.08046	0.250598	4.05E-08	0.28277	4.92E-10	0.143275	0.00191
5.02E-10	-0.0278	0.54906	0.218117	1.95E-06	0.190654	3.37E-05	0.131922	0.00429
2.33E-11	-0.07882	0.08888	0.125441	0.00664	0.157088	0.00066	0.104134	0.02442
0.00445	0.112005	0.01545	0.261744	9.38E-09	0.194945	2.21E-05	0.320148	1.37E-12
4.93E-08	0.105129	0.02308	0.26995	3.06E-09	0.227198	6.99E-07	0.109615	0.01781
0.04537	-0.20762	6.07E-06	0.191174	3.20E-05	0.054991	0.23559	0.045639	0.32505
0.00657	-0.10877	0.01871	-0.09567	0.03877	-0.13593	0.00325	-0.0399	0.38964
0.00493	0.075472	0.10333	-0.27616	1.28E-09	-0.20423	8.64E-06	-0.01582	0.7332
0.00559	-0.17327	0.00017	0.039513	0.39426	0.023338	0.61493	0.032242	0.48702
7.97E-08	-0.21382	3.13E-06	0.279752	7.62E-10	0.146435	0.00151	-0.01193	0.79708
3.26E-36	0.267302	4.41E-09	0.372993	7.32E-17	0.519763	1.12E-33	0.150045	0.00115
0.05963	-0.22042	1.51E-06	0.114437	0.01334	-0.01016	0.8267	-0.13075	0.00465
8.32E-05	0.089474	0.05333	0.167364	0.00028	0.162505	0.00042	0.005818	0.90022
0.63378	0.215504	2.60E-06	-0.17228	0.00018	-0.02326	0.61614	-0.07057	0.12778
1.74E-09	-0.0101	0.82772	-0.00217	0.96273	0.120788	0.00898	0.216866	2.24E-06
2.47E-29	0.459232	9.69E-26	0.424704	7.10E-22	0.515721	4.28E-33	0.312507	4.88E-12
6.27E-14	-0.03409	0.46241	0.073638	0.11201	0.157807	0.00062	0.245649	7.58E-08
4.45E-16	-0.1628	0.00041	0.058494	0.20704	0.125676	0.00654	0.105453	0.02266
0.00541	-0.21448	2.91E-06	0.043119	0.35251	0.022981	0.62034	0.141622	0.00216
5.91E-36	0.312457	4.92E-12	0.457096	1.73E-25	0.526879	1.02E-34	0.119823	0.00955
5.42E-10	-0.07235	0.11844	0.148132	0.00133	0.190277	3.49E-05	0.080571	0.08198
9.01E-05	-0.01054	0.82038	0.0502	0.27899	0.077462	0.09453	-0.03696	0.42549
2.82E-14	0.164317	0.00036	0.36189	6.76E-16	0.336544	7.88E-14	0.246685	6.65E-08
0.00459	0.060578	0.19128	0.258247	1.50E-08	0.160527	0.0005	0.258801	1.39E-08
1.86E-10	-0.01371	0.76763	0.178068	0.00011	0.203005	9.81E-06	0.029273	0.52801
6.89E-11	-0.15318	0.0009	0.178596	0.0001	0.18957	3.74E-05	0.077464	0.09452
5.34E-24	0.190606	3.38E-05	0.352666	4.01E-15	0.362592	5.88E-16	0.249492	4.66E-08
6.97E-05	-0.08029	0.08305	0.05941	0.2	0.042513	0.35932	0.113514	0.01411
3.13E-10	-0.0984	0.0335	0.121809	0.00841	0.148933	0.00125	0.14957	0.00119
0.36333	-0.44356	6.25E-24	-0.1619	0.00044	-0.20815	5.73E-06	-0.03597	0.43808
0.01022	0.353869	3.19E-15	-0.08856	0.05582	-0.02936	0.52676	0.110882	0.01652

3.60E-08	0.125278	0.00671	0.403181	1.11E-19	0.292629	1.13E-10	-0.11665	0.01164
6.94E-14	0.181561	7.95E-05	0.413798	9.61E-21	0.362649	5.82E-16	0.138967	0.00262
0.24049	0.306088	1.38E-11	0.026285	0.57099	0.071372	0.12351	0.077013	0.09646
0.48815	-0.2511	3.79E-08	-0.14313	0.00193	-0.16257	0.00042	-0.05059	0.27531
0.03253	-0.36283	5.61E-16	-0.11229	0.01519	-0.19317	2.64E-05	-0.00996	0.83006
0.42581	-0.09665	0.03681	0.050695	0.27426	0.006239	0.89304	0.050398	0.27709
6.00E-23	0.235348	2.68E-07	0.267446	4.32E-09	0.3876	3.44E-18	0.113974	0.01372
0.13788	-0.33841	5.63E-14	-0.0207	0.65548	-0.04119	0.37445	-0.03457	0.45613
1.43E-06	-0.08391	0.07004	0.181946	7.67E-05	0.163729	0.00038	0.022051	0.63457
2.50E-05	-0.15176	0.001	-0.04676	0.3133	0.009623	0.8357	0.05943	0.19985
1.28E-06	-0.02665	0.56559	0.088567	0.0558	0.143084	0.00194	0.069281	0.13493
0.00089	-0.26426	6.68E-09	0.0772	0.09565	0.018907	0.68362	0.091644	0.04778
0.18547	-0.22541	8.59E-07	0.053402	0.24942	0.007968	0.86364	0.049895	0.28192
0.00629	-0.05827	0.20881	-0.19919	1.45E-05	-0.21151	4.01E-06	-0.01628	0.72574
9.43E-09	-0.02486	0.59207	0.17214	0.00019	0.173428	0.00017	0.020599	0.65704
0.00019	0.04761	0.30457	0.372621	7.89E-17	0.227773	6.54E-07	0.357405	1.62E-15
0.88223	-0.12817	0.00554	0.114372	0.0134	0.023111	0.61837	0.075683	0.10237
4.40E-22	0.204927	8.04E-06	0.468397	7.66E-27	0.462821	3.62E-26	0.3761	3.87E-17
0.00036	-0.24464	8.60E-08	0.079977	0.08427	0.033075	0.47583	0.056549	0.22256
0.47981	-0.33999	4.23E-14	-0.11596	0.01215	-0.15198	0.00099	-0.07719	0.09568
0.00135	0.048764	0.29299	0.096766	0.03658	0.106332	0.02155	0.035685	0.44169
7.17E-06	0.419033	2.79E-21	0.059039	0.20283	0.254844	2.34E-08	0.025716	0.57936
0.09229	-0.23273	3.66E-07	-0.00271	0.95341	-0.10188	0.0277	-0.04418	0.34074
0.58626	0.01384	0.76548	0.005041	0.91348	0.022374	0.62961	0.142791	0.00198
0.24832	-0.17455	0.00015	-0.07024	0.12958	-0.12316	0.00771	-0.03052	0.51053
0.78416	-0.00623	0.89315	0.11204	0.01542	0.050115	0.2798	0.10671	0.02109
4.23E-27	-0.38909	2.50E-18	-0.36909	1.61E-16	-0.48305	1.13E-28	-0.15773	0.00062
0.01144	-0.24789	5.71E-08	-0.05666	0.22162	-0.16615	0.00031	-0.0431	0.35271
5.81E-22	-0.25495	2.31E-08	-0.22624	7.81E-07	-0.36023	9.35E-16	-0.10528	0.02288
2.62E-06	-0.2196	1.66E-06	-0.1813	8.14E-05	-0.23653	2.32E-07	-0.02244	0.62865
2.18E-19	-0.46931	5.93E-27	-0.37402	5.93E-17	-0.49832	1.11E-30	-0.15727	0.00065
7.72E-09	-0.27646	1.22E-09	-0.16646	0.0003	-0.26457	6.40E-09	-0.07235	0.11845
2.30E-08	-0.32267	8.92E-13	-0.14845	0.00129	-0.30095	3.12E-11	-0.13208	0.00425
1.99E-38	0.376241	3.76E-17	0.336689	7.68E-14	0.463748	2.80E-26	0.311342	5.91E-12
1.95E-16	-0.53502	6.14E-36	-0.39576	5.82E-19	-0.51638	3.45E-33	-0.17258	0.00018
0.46857	0.119718	0.00961	0.090114	0.05164	0.098375	0.03356	-0.03683	0.42718
3.52E-32	0.335428	9.62E-14	0.099345	0.03184	0.363151	5.27E-16	0.29043	1.58E-10
4.91E-09	0.548705	4.53E-38	0.121794	0.00842	0.287477	2.45E-10	0.213657	3.18E-06
3.40E-21	-0.51183	1.52E-32	-0.37948	1.92E-17	-0.50411	1.81E-31	-0.24371	9.65E-08
3.75E-22	-0.57898	3.77E-43	-0.44822	1.85E-24	-0.56294	2.15E-40	-0.08687	0.06068
6.85E-18	-0.41418	8.78E-21	-0.19607	1.98E-05	-0.40662	5.07E-20	-0.22645	7.62E-07
9.06E-48	-0.61649	3.14E-50	-0.56453	1.16E-40	-0.68344	1.51E-65	-0.39246	1.20E-18
0.00018	-0.36993	1.36E-16	-0.03992	0.38937	-0.22474	9.27E-07	-0.20374	9.10E-06
7.15E-18	-0.45711	1.72E-25	-0.34998	6.67E-15	-0.47935	3.33E-28	-0.11765	0.01094
1.10E-11	-0.43116	1.45E-22	-0.18692	4.81E-05	-0.3497	7.03E-15	0.075313	0.10406

0.13685	-0.14652	0.0015	-0.13694	0.00302	-0.14998	0.00115	-0.02089	0.6525
0.00522	-0.03411	0.46212	0.120399	0.0092	-0.02625	0.57156	0.105456	0.02266
9.30E-14	-0.32093	1.20E-12	-0.13682	0.00305	-0.35751	1.58E-15	-0.18013	9.07E-05
0.97637	-0.36065	8.61E-16	0.038	0.41262	-0.1458	0.00158	-0.08191	0.07702
6.69E-11	-0.19192	2.98E-05	-0.22785	6.48E-07	-0.31748	2.14E-12	-0.06754	0.14502
2.58E-06	-0.3484	8.97E-15	-0.20666	6.71E-06	-0.29406	9.08E-11	-0.19006	3.56E-05
2.94E-30	-0.42826	2.97E-22	-0.38308	9.01E-18	-0.48021	2.59E-28	-0.36557	3.26E-16
0.00065	-0.19274	2.75E-05	-0.03337	0.47196	-0.1352	0.00342	-0.02004	0.66578
0.06263	-0.24458	8.66E-08	0.076967	0.09666	-0.09354	0.04334	0.012947	0.78021
7.30E-05	-0.30286	2.31E-11	-0.07222	0.1191	-0.21343	3.26E-06	0.066627	0.15056
2.19E-05	-0.34968	7.05E-15	-0.15409	0.00083	-0.24936	4.74E-08	0.046212	0.319
8.63E-19	-0.42083	1.81E-21	-0.2671	4.53E-09	-0.44636	3.02E-24	-0.14913	0.00123
0.46815	-0.10784	0.01975	0.11179	0.01565	0.000986	0.98305	-0.06101	0.18813
2.51E-09	-0.5513	1.74E-38	-0.34215	2.85E-14	-0.4374	3.03E-23	-0.04923	0.28842
0.54926	-0.03078	0.50701	0.096193	0.03771	0.039811	0.3907	0.076746	0.09762
4.54E-20	-0.57401	2.79E-42	-0.4944	3.71E-30	-0.56118	4.22E-40	-0.04074	0.37976
0.00577	-0.06656	0.15098	0.021513	0.64285	-0.07344	0.11297	0.019572	0.67312
3.86E-05	-0.14128	0.00221	0.136067	0.00322	-0.08341	0.07173	-0.00925	0.84192
0.21383	-0.18559	5.46E-05	-0.05627	0.22485	-0.09334	0.04378	0.006265	0.8926
3.14E-21	-0.34809	9.50E-15	-0.26041	1.12E-08	-0.41642	5.18E-21	-0.03902	0.40024
6.82E-36	-0.49477	3.31E-30	-0.40279	1.21E-19	-0.57969	2.83E-43	-0.2136	3.20E-06
4.47E-09	-0.43287	9.48E-23	-0.10069	0.02959	-0.27125	2.55E-09	-0.18781	4.43E-05
4.89E-09	-0.36428	4.22E-16	-0.12914	0.00519	-0.3005	3.35E-11	-0.06474	0.1625
2.25E-09	-0.24378	9.57E-08	-0.17688	0.00012	-0.29444	8.57E-11	0.089875	0.05227
9.91E-25	-0.40442	8.38E-20	-0.34164	3.13E-14	-0.47599	8.83E-28	-0.22447	9.56E-07
9.71E-26	-0.44104	1.20E-23	-0.33677	7.56E-14	-0.48657	3.96E-29	-0.23366	3.28E-07
0.37859	-0.10061	0.02972	0.027957	0.54674	0.00172	0.97042	0.126381	0.00624
3.80E-24	-0.41792	3.63E-21	-0.39993	2.31E-19	-0.52603	1.36E-34	-0.13233	0.00417
7.19E-18	0.430214	1.84E-22	0.233937	3.17E-07	0.351062	5.44E-15	0.156449	0.00069
1.28E-19	-0.42919	2.36E-22	-0.50827	4.81E-32	-0.54432	2.24E-37	-0.07943	0.08643
3.49E-05	-0.40652	5.19E-20	-0.18153	7.97E-05	-0.29605	6.69E-11	-0.10978	0.01764
8.53E-15	-0.4437	6.03E-24	-0.35068	5.85E-15	-0.44764	2.16E-24	-0.1876	4.51E-05
0.76165	-0.342	2.93E-14	-0.2143	2.97E-06	-0.20795	5.86E-06	0.054478	0.23999
3.22E-11	-0.52697	9.92E-35	-0.34099	3.53E-14	-0.435	5.56E-23	-0.06267	0.17635
0.0001	-0.0755	0.10319	0.01548	0.73865	-0.11659	0.01169	-0.1691	0.00024
4.40E-17	-0.48107	2.02E-28	-0.45886	1.07E-25	-0.51791	2.08E-33	-0.17464	0.00015
5.32E-15	-0.44971	1.25E-24	-0.46241	4.06E-26	-0.50701	7.19E-32	-0.12809	0.00557
1.00E-12	-0.29465	8.30E-11	-0.24445	8.81E-08	-0.32577	5.24E-13	-0.20839	5.59E-06
0.10177	-0.15748	0.00064	-0.04307	0.35301	-0.13388	0.00375	-0.21269	3.53E-06
4.95E-14	0.276989	1.13E-09	0.062311	0.17887	0.271457	2.48E-09	0.184788	5.89E-05
0.14572	-0.00147	0.97468	-0.00839	0.8565	-0.03571	0.44143	0.243494	9.92E-08
0.59009	0.00731	0.87481	0.043157	0.35208	0.039522	0.39415	-0.01977	0.66997
5.19E-13	-0.54018	9.91E-37	-0.28641	2.87E-10	-0.44065	1.32E-23	-0.21698	2.21E-06
2.51E-17	0.509334	3.42E-32	0.260806	1.06E-08	0.420658	1.89E-21	0.353049	3.73E-15
3.63E-21	-0.45884	1.08E-25	-0.39204	1.32E-18	-0.50549	1.17E-31	-0.00927	0.8416

9.06E-07	-0.22747	6.77E-07	-0.08477	0.0672	-0.19125	3.18E-05	-0.22935	5.45E-07
0.01881	-0.10889	0.01858	0.00954	0.83709	-0.05866	0.20575	0.144677	0.00172
1.84E-25	-0.5646	1.13E-40	-0.46408	2.55E-26	-0.58341	6.13E-44	-0.10034	0.03016
2.65E-21	-0.48392	8.72E-29	-0.25443	2.47E-08	-0.47719	6.23E-28	-0.20362	9.20E-06
2.08E-18	-0.50166	3.91E-31	-0.38251	1.02E-17	-0.49934	8.07E-31	-0.13326	0.00392
5.80E-07	-0.25984	1.21E-08	-0.05794	0.21139	-0.24534	7.88E-08	-0.1569	0.00067
2.09E-09	-0.34057	3.81E-14	-0.10316	0.02579	-0.3005	3.35E-11	-0.22181	1.29E-06
2.46E-05	-0.43189	1.21E-22	-0.1436	0.00186	-0.29514	7.70E-11	-0.02167	0.64039
3.06E-23	-0.37692	3.27E-17	-0.35371	3.29E-15	-0.47131	3.37E-27	-0.1693	0.00024
8.10E-10	-0.44225	8.76E-24	-0.35894	1.20E-15	-0.39919	2.72E-19	-0.06517	0.15971
1.27E-13	-0.48873	2.08E-29	-0.1795	9.61E-05	-0.41264	1.26E-20	-0.21437	2.94E-06
2.92E-29	-0.32532	5.66E-13	-0.27942	7.99E-10	-0.47831	4.51E-28	-0.28395	4.13E-10
0.0004	-0.30322	2.18E-11	0.090858	0.04973	-0.12489	0.00689	-0.12865	0.00536
1.30E-07	-0.15798	0.00061	-0.0257	0.57954	-0.18391	6.39E-05	-0.24341	1.00E-07
3.74E-07	-0.22166	1.31E-06	-0.07074	0.12687	-0.20967	4.88E-06	0.021146	0.64854
0.00241	-0.21757	2.07E-06	-0.02249	0.6279	-0.15603	0.00072	-0.10006	0.03063
0.01006	-0.0996	0.0314	0.049541	0.28535	-0.0829	0.07347	-0.08715	0.05986
7.45E-34	-0.62868	9.69E-53	-0.54384	2.67E-37	-0.65633	7.15E-59	-0.28082	6.53E-10
6.12E-15	-0.37667	3.44E-17	-0.05776	0.21277	-0.29851	4.57E-11	-0.23568	2.57E-07
2.15E-16	-0.40699	4.66E-20	-0.23877	1.77E-07	-0.38052	1.55E-17	-0.1663	0.00031
8.37E-08	-0.41771	3.82E-21	-0.19329	2.60E-05	-0.35909	1.17E-15	-0.16554	0.00033
0.00056	-0.16286	0.00041	0.001703	0.97072	-0.1391	0.00259	-0.34839	8.99E-15
0.00021	-0.33729	6.90E-14	-0.30141	2.91E-11	-0.31524	3.11E-12	-0.09648	0.03714
0.15521	-0.37462	5.24E-17	-0.0029	0.9501	-0.14665	0.00148	-0.09762	0.03495
9.91E-16	-0.43808	2.55E-23	-0.2175	2.09E-06	-0.4005	2.03E-19	-0.04443	0.3381
1.80E-06	-0.37098	1.10E-16	-0.17749	0.00012	-0.32609	4.96E-13	-0.04962	0.28462
8.28E-23	-0.32977	2.62E-13	-0.16578	0.00032	-0.38525	5.69E-18	-0.09513	0.03988
0.11724	-0.44956	1.30E-24	-0.12366	0.00746	-0.22553	8.47E-07	0.065558	0.15723
3.50E-18	-0.50543	1.19E-31	-0.44106	1.19E-23	-0.54827	5.32E-38	-0.0886	0.05571
5.63E-10	-0.35988	1.00E-15	-0.05392	0.24489	-0.28681	2.71E-10	-0.11378	0.01389
0.00027	-0.18624	5.14E-05	-0.15771	0.00063	-0.20397	8.88E-06	0.039874	0.38994
1.85E-07	-0.19782	1.66E-05	-0.25369	2.72E-08	-0.29558	7.19E-11	-0.24235	1.14E-07
0.87387	-0.37289	7.48E-17	-0.1547	0.0008	-0.17335	0.00017	-0.07498	0.10559
1.03E-18	-0.40605	5.78E-20	-0.33106	2.09E-13	-0.4516	7.57E-25	-0.10974	0.01768
6.54E-12	-0.40327	1.09E-19	-0.12117	0.00877	-0.34164	3.13E-14	-0.18989	3.63E-05
0.01664	-0.31264	4.77E-12	0.000831	0.98572	-0.13571	0.0033	-0.05457	0.2392
5.46E-12	-0.34832	9.10E-15	-0.01186	0.7983	-0.25291	3.00E-08	-0.18765	4.49E-05
7.16E-06	-0.47304	2.05E-27	-0.40374	9.77E-20	-0.41826	3.35E-21	0.010655	0.81838
0.33673	-0.17632	0.00013	-0.0569	0.21972	-0.04148	0.37115	0.040441	0.38323
0.02229	-0.08785	0.05781	-0.02012	0.66456	-0.1214	0.00863	-0.23483	2.85E-07
1.13E-21	-0.47338	1.87E-27	-0.38222	1.08E-17	-0.5024	3.10E-31	-0.2231	1.12E-06
2.82E-07	-0.33922	4.86E-14	0.077108	0.09604	-0.18086	8.48E-05	-0.04301	0.35375
8.18E-13	-0.40739	4.25E-20	-0.26828	3.86E-09	-0.38689	4.00E-18	-0.24595	7.30E-08
0.14771	-0.22404	1.00E-06	-0.07946	0.08629	-0.06033	0.19311	0.053679	0.24697
0.00275	-0.18965	3.71E-05	-0.07357	0.11236	-0.16814	0.00026	-0.12979	0.00497



1.78E-09	-0.44424	5.24E-24	-0.16072	0.00049	-0.32406	7.03E-13	-0.11841	0.01044
1.38E-08	-0.11253	0.01498	0.115932	0.01217	-0.13041	0.00476	-0.15354	0.00087
4.79E-08	-0.53887	1.58E-36	-0.22228	1.23E-06	-0.36122	7.70E-16	-0.07363	0.11204
2.33E-05	-0.17639	0.00013	-0.09976	0.03112	-0.19372	2.50E-05	0.124971	0.00685
1.32E-24	-0.60154	2.70E-47	-0.55427	5.78E-39	-0.62379	1.02E-51	-0.05791	0.21161
1.25E-48	-0.48724	3.25E-29	-0.45988	8.12E-26	-0.63385	7.71E-54	-0.2725	2.14E-09
1.78E-19	-0.39562	6.00E-19	-0.38382	7.70E-18	-0.48401	8.47E-29	-0.23314	3.49E-07
7.65E-12	-0.49513	2.97E-30	-0.36396	4.49E-16	-0.46465	2.18E-26	-0.20921	5.13E-06
1.57E-05	-0.23513	2.75E-07	-0.10443	0.02401	-0.2017	1.12E-05	-0.21859	1.85E-06
0.5767	-0.21074	4.36E-06	-0.05045	0.27662	-0.05627	0.22486	0.074867	0.10613
9.64E-21	-0.23413	3.10E-07	-0.21571	2.54E-06	-0.37286	7.52E-17	-0.32337	7.91E-13
3.41E-19	-0.49098	1.05E-29	-0.42399	8.45E-22	-0.51555	4.52E-33	-0.10765	0.01997
1.26E-22	-0.42445	7.55E-22	-0.2691	3.44E-09	-0.44444	4.97E-24	-0.32947	2.75E-13
2.32E-11	-0.26258	8.38E-09	-0.12212	0.00824	-0.26047	1.11E-08	-0.11611	0.01204
0.00019	-0.23487	2.84E-07	-0.01632	0.72505	-0.19259	2.79E-05	-0.06978	0.13216
0.00032	-0.27582	1.34E-09	-0.01382	0.76578	-0.20499	7.99E-06	0.092114	0.04665
0.00095	-0.26805	3.98E-09	0.08078	0.08119	-0.11544	0.01254	0.101094	0.02893
2.07E-07	-0.52632	1.24E-34	-0.4012	1.73E-19	-0.42398	8.47E-22	-0.08789	0.05771
1.72E-30	0.550539	2.31E-38	0.358528	1.30E-15	0.546242	1.11E-37	0.25994	1.19E-08
7.14E-05	-0.47319	1.97E-27	-0.15894	0.00057	-0.27858	9.03E-10	-0.13367	0.00381
1.29E-07	-0.32465	6.35E-13	-0.01203	0.79542	-0.22381	1.03E-06	-0.03029	0.51372
0.00032	-0.34998	6.67E-15	-0.08911	0.05431	-0.24746	6.03E-08	-0.17189	0.00019
9.40E-26	-0.51579	4.19E-33	-0.46244	4.02E-26	-0.55915	9.16E-40	-0.05331	0.25022
4.63E-11	-0.40156	1.60E-19	-0.23647	2.34E-07	-0.37454	5.33E-17	-0.10006	0.03062
3.56E-21	-0.49795	1.25E-30	-0.48358	9.62E-29	-0.57613	1.19E-42	-0.23354	3.33E-07
1.90E-37	-0.55324	8.49E-39	-0.472	2.76E-27	-0.65042	1.65E-57	-0.17349	0.00016
2.09E-20	-0.62671	2.51E-52	-0.49169	8.48E-30	-0.58938	5.07E-45	-0.23585	2.52E-07
0.00297	-0.18835	4.20E-05	-0.18298	6.97E-05	-0.17886	0.0001	-0.01945	0.67511
1.71E-06	-0.43593	4.40E-23	-0.26043	1.12E-08	-0.36007	9.64E-16	-0.03423	0.4605
0.00029	-0.06701	0.14823	-0.08518	0.0659	-0.13434	0.00363	-0.08742	0.05906
9.15E-11	-0.41441	8.32E-21	-0.19312	2.65E-05	-0.3634	5.02E-16	-0.15061	0.0011
5.46E-18	-0.53266	1.40E-35	-0.31496	3.26E-12	-0.4592	9.78E-26	-0.17392	0.00016
1.25E-08	-0.2219	1.28E-06	-0.09048	0.05069	-0.23302	3.54E-07	-0.07018	0.12994
0.0489	-0.27512	1.48E-09	0.045498	0.32655	-0.12645	0.00621	-0.02406	0.60408
8.54E-23	-0.24725	6.20E-08	-0.29444	8.57E-11	-0.41633	5.30E-21	-0.16488	0.00035
4.12E-16	-0.30798	1.02E-11	-0.29174	1.29E-10	-0.39838	3.26E-19	-0.22473	9.28E-07
2.30E-13	-0.47772	5.36E-28	-0.24957	4.61E-08	-0.38962	2.23E-18	-0.09781	0.0346
1.73E-11	-0.36316	5.26E-16	-0.14759	0.00138	-0.33056	2.28E-13	-0.16974	0.00023
2.42E-10	-0.62078	4.24E-51	-0.28885	2.00E-10	-0.40525	6.93E-20	-0.31713	2.27E-12
4.47E-24	-0.56313	2.00E-40	-0.39335	9.89E-19	-0.55915	9.18E-40	-0.02249	0.62784
0.26178	-0.26773	4.16E-09	-0.13657	0.0031	-0.17867	0.0001	-0.11541	0.01257
0.00018	-0.06381	0.16863	-0.07943	0.08642	-0.10462	0.02376	0.146495	0.0015
1.54E-30	-0.67539	1.72E-63	-0.52368	3.02E-34	-0.65389	2.63E-58	-0.18817	4.28E-05
5.47E-15	-0.50988	2.87E-32	-0.33692	7.36E-14	-0.46456	2.24E-26	-0.18136	8.10E-05
1.07E-13	-0.4151	7.08E-21	-0.19222	2.89E-05	-0.36654	2.69E-16	-0.0646	0.16338

1.49E-08	-0.53943	1.29E-36	-0.23078	4.61E-07	-0.38821	3.02E-18	-0.12943	0.00509
1.20E-05	-0.08503	0.06637	-0.18487	5.84E-05	-0.2476	5.93E-08	-0.06008	0.19495
0.00449	-0.1232	0.00769	0.13686	0.00304	-0.07098	0.12559	-0.15054	0.0011
7.41E-08	-0.31453	3.50E-12	-0.21295	3.43E-06	-0.2837	4.29E-10	-0.08416	0.0692
1.87E-11	-0.58574	2.34E-44	-0.35514	2.50E-15	-0.49553	2.62E-30	-0.11465	0.01317
0.9246	-0.21892	1.78E-06	0.032067	0.48938	-0.02608	0.57393	0.105886	0.02211
1.43E-16	-0.44685	2.65E-24	-0.24375	9.61E-08	-0.42968	2.10E-22	-0.10552	0.02257
4.09E-05	-0.21431	2.96E-06	-0.07852	0.0901	-0.18012	9.07E-05	0.152022	0.00098
3.58E-11	-0.40857	3.24E-20	-0.14953	0.00119	-0.32442	6.61E-13	-0.069	0.13651
4.07E-27	-0.64262	9.43E-56	-0.49989	6.80E-31	-0.62756	1.67E-52	-0.20763	6.06E-06
1.58E-31	-0.50461	1.54E-31	-0.50113	4.62E-31	-0.61362	1.18E-49	-0.25937	1.29E-08
8.32E-16	-0.2139	3.10E-06	-0.23624	2.41E-07	-0.36633	2.80E-16	0.020451	0.65935
0.90468	-0.14052	0.00234	0.077977	0.09235	-0.04303	0.35352	0.038253	0.40952
2.10E-07	-0.31408	3.77E-12	-0.17842	0.00011	-0.28398	4.12E-10	-0.18678	4.88E-05
2.45E-18	-0.47691	6.76E-28	-0.3301	2.47E-13	-0.46212	4.39E-26	-0.07406	0.10995
1.88E-17	-0.28485	3.62E-10	-0.05619	0.22554	-0.28938	1.85E-10	-0.17482	0.00015
1.89E-06	-0.34212	2.87E-14	-0.21218	3.73E-06	-0.29295	1.08E-10	0.175834	0.00013
9.04E-16	-0.2892	1.90E-10	-0.05629	0.22473	-0.26048	1.11E-08	-0.19725	1.76E-05
0.01089	-0.37404	5.91E-17	-0.22139	1.36E-06	-0.26508	5.97E-09	-0.0484	0.29661
4.75E-36	-0.44529	3.98E-24	-0.34826	9.22E-15	-0.51787	2.11E-33	-0.11351	0.01412
0.26326	-0.18546	5.53E-05	0.006513	0.88836	-0.01624	0.72626	0.140438	0.00235
1.60E-13	-0.46302	3.43E-26	-0.3451	1.66E-14	-0.44347	6.39E-24	-0.05315	0.25165
5.84E-14	-0.52664	1.11E-34	-0.27171	2.39E-09	-0.42299	1.08E-21	-0.07344	0.11299
8.30E-07	-0.25569	2.09E-08	-0.13318	0.00394	-0.26234	8.66E-09	-0.1891	3.91E-05
0.93171	-0.29783	5.08E-11	-0.05911	0.20228	-0.13015	0.00485	0.09154	0.04804
0.00075	-0.38093	1.42E-17	-0.12349	0.00755	-0.24426	9.02E-08	-0.08625	0.06255
2.04E-09	-0.31071	6.55E-12	-0.35429	2.94E-15	-0.35567	2.26E-15	0.066105	0.15379
0.53948	-0.3002	3.51E-11	-0.08951	0.05323	-0.10673	0.02106	0.058514	0.20688
0.21413	-0.22718	7.01E-07	-0.06141	0.18524	-0.13987	0.00245	0.260462	1.11E-08
4.55E-13	-0.54543	1.50E-37	-0.39171	1.41E-18	-0.48477	6.77E-29	-0.08983	0.05237
2.74E-08	-0.25024	4.24E-08	-0.13601	0.00323	-0.2514	3.65E-08	-0.07899	0.08819
2.30E-06	-0.42203	1.36E-21	-0.23946	1.63E-07	-0.3091	8.51E-12	0.004393	0.92456
3.34E-05	-0.39082	1.72E-18	-0.03032	0.51341	-0.21928	1.71E-06	-0.15586	0.00073
4.50E-12	-0.40053	2.01E-19	-0.26506	5.99E-09	-0.40846	3.33E-20	-0.10401	0.0246
0.02566	-0.25798	1.55E-08	0.105374	0.02276	-0.09217	0.0465	-0.11001	0.0174
2.13E-19	-0.47713	6.34E-28	-0.35969	1.04E-15	-0.50356	2.15E-31	-0.1387	0.00267
0.00011	-0.31421	3.69E-12	0.015103	0.74478	-0.18642	5.05E-05	-0.13341	0.00387
1.40E-10	-0.40591	5.97E-20	-0.23393	3.18E-07	-0.37315	7.08E-17	-0.06326	0.17231
3.01E-10	-0.46583	1.57E-26	-0.31448	3.52E-12	-0.40149	1.62E-19	-0.21133	4.09E-06
0.47025	-0.16013	0.00051	0.174393	0.00015	0.06125	0.18639	-0.01982	0.6693
4.15E-12	-0.24671	6.63E-08	-0.12025	0.00929	-0.28701	2.63E-10	0.137904	0.00282
5.90E-11	-0.1453	0.00164	-0.04668	0.31414	-0.21385	3.12E-06	-0.00767	0.86866
0.48303	-0.10824	0.0193	0.013937	0.76389	-0.01249	0.78785	0.042088	0.36414
1.98E-14	-0.3238	7.35E-13	-0.26181	9.30E-09	-0.37275	7.68E-17	-0.20365	9.18E-06
1.01E-10	-0.15418	0.00083	-0.17505	0.00014	-0.26221	8.82E-09	-0.18611	5.20E-05

1.03E-16	-0.46605	1.48E-26	-0.24928	4.79E-08	-0.42149	1.55E-21	-0.13022	0.00482
0.26118	-0.29553	7.25E-11	-0.12175	0.00845	-0.19529	2.14E-05	-0.06813	0.14155
1.44E-14	-0.5577	1.59E-39	-0.31528	3.09E-12	-0.46062	6.64E-26	-0.23437	3.01E-07
0.00211	-0.09685	0.03642	-0.14622	0.00153	-0.17105	0.0002	-0.08446	0.06821
9.38E-34	-0.52866	5.56E-35	-0.4463	3.06E-24	-0.58225	9.91E-44	-0.28834	2.16E-10
5.20E-05	-0.08861	0.05568	-0.06899	0.13657	-0.15699	0.00066	0.10982	0.01759
3.42E-13	-0.55262	1.07E-38	-0.34035	3.96E-14	-0.47778	5.26E-28	-0.0078	0.86656
2.78E-09	-0.54529	1.58E-37	-0.19949	1.40E-05	-0.39377	9.02E-19	-0.08238	0.07534
6.81E-21	-0.46636	1.36E-26	-0.4802	2.60E-28	-0.55584	3.21E-39	-0.00206	0.96465
0.01214	-0.13124	0.0045	0.063547	0.17039	-0.10083	0.02935	-0.11798	0.01072
5.03E-19	-0.57355	3.37E-42	-0.37373	6.30E-17	-0.51726	2.58E-33	-0.13086	0.00462
2.54E-24	-0.34671	1.23E-14	-0.35746	1.60E-15	-0.47988	2.86E-28	-0.25584	2.05E-08
4.66E-08	-0.30882	8.90E-12	-0.01334	0.77378	-0.23356	3.32E-07	-0.08547	0.06498
6.72E-10	0.530394	3.06E-35	0.168612	0.00025	0.319097	1.63E-12	0.233465	3.35E-07
0.01824	-0.27189	2.33E-09	-0.18476	5.91E-05	-0.19284	2.72E-05	-0.07484	0.10624
0.00743	-0.28029	7.05E-10	0.044138	0.34123	-0.14299	0.00195	-0.07296	0.11537
3.91E-15	-0.42405	8.32E-22	-0.35568	2.26E-15	-0.43466	6.05E-23	-0.10582	0.02219
3.02E-42	-0.54323	3.32E-37	-0.38922	2.43E-18	-0.58093	1.70E-43	-0.3296	2.69E-13
2.44E-17	-0.38321	8.77E-18	-0.2674	4.35E-09	-0.41646	5.13E-21	-0.28214	5.39E-10
5.66E-16	-0.30132	2.94E-11	-0.18322	6.82E-05	-0.35369	3.30E-15	-0.26683	4.70E-09
7.05E-16	-0.34413	1.98E-14	-0.33454	1.13E-13	-0.40285	1.20E-19	-0.12334	0.00762
8.70E-10	-0.36793	2.04E-16	-0.19422	2.38E-05	-0.31836	1.85E-12	-0.05198	0.2623
2.28E-42	-0.60154	2.70E-47	-0.58711	1.32E-44	-0.68353	1.43E-65	-0.38671	4.16E-18
2.07E-21	-0.64695	1.01E-56	-0.48325	1.06E-28	-0.59435	6.14E-46	-0.13096	0.00459
8.04E-06	-0.33141	1.96E-13	-0.16871	0.00025	-0.26915	3.42E-09	0.08856	0.05582
2.96E-20	-0.35868	1.26E-15	-0.31954	1.51E-12	-0.46352	2.99E-26	-0.16098	0.00048
3.26E-25	-0.46493	2.02E-26	-0.43956	1.75E-23	-0.54921	3.76E-38	-0.09705	0.03603
1.19E-23	-0.46842	7.60E-27	-0.22699	7.16E-07	-0.45155	7.68E-25	-0.20767	6.03E-06
1.67E-17	-0.29152	1.34E-10	-0.22574	8.27E-07	-0.35919	1.14E-15	-0.13105	0.00456
1.04E-08	-0.44624	3.11E-24	-0.24103	1.35E-07	-0.3353	9.83E-14	-0.05549	0.23135
5.61E-06	-0.35717	1.69E-15	-0.0322	0.48752	-0.21518	2.70E-06	0.054073	0.24351
2.10E-17	-0.3798	1.80E-17	-0.43666	3.66E-23	-0.49272	6.20E-30	-0.0461	0.32015
2.62E-08	-0.38061	1.52E-17	-0.25813	1.52E-08	-0.35511	2.52E-15	-0.13282	0.00404
2.40E-06	0.064061	0.16695	0.205178	7.83E-06	-0.0207	0.65549	-0.07161	0.12227
8.83E-05	-0.3128	4.65E-12	-0.0484	0.2966	-0.18791	4.38E-05	0.064992	0.16085
0.00415	-0.24631	6.98E-08	-0.16875	0.00025	-0.21828	1.92E-06	-0.20691	6.54E-06
1.09E-11	-0.18002	9.16E-05	-0.03726	0.42177	-0.19935	1.42E-05	-0.07541	0.10362
0.02961	-0.36087	8.25E-16	-0.15837	0.00059	-0.20197	1.09E-05	-0.09994	0.03082
4.14E-23	-0.47834	4.47E-28	-0.40802	3.68E-20	-0.51165	1.62E-32	-0.03256	0.48267
4.95E-07	-0.39905	2.81E-19	-0.19314	2.64E-05	-0.31206	5.26E-12	-0.10058	0.02977
0.01554	-0.01638	0.72402	0.049712	0.28369	-0.06589	0.15511	0.002386	0.95899
9.56E-15	-0.25999	1.19E-08	-0.23761	2.04E-07	-0.34481	1.75E-14	-0.03451	0.45693
8.93E-06	-0.42855	2.77E-22	-0.1706	0.00021	-0.27932	8.11E-10	-0.03017	0.51538
2.37E-18	-0.50963	3.11E-32	-0.3515	5.01E-15	-0.50244	3.06E-31	-0.11479	0.01305
0.00076	-0.3513	5.20E-15	-0.23299	3.55E-07	-0.22803	6.34E-07	-0.20346	9.36E-06

5.44E-05	-0.37465	5.21E-17	0.028063	0.54521	-0.18305	6.93E-05	-0.15746	0.00064
1.19E-12	-0.4725	2.40E-27	-0.27207	2.28E-09	-0.39139	1.52E-18	-0.23866	1.80E-07
4.39E-11	-0.24733	6.14E-08	-0.21368	3.18E-06	-0.30671	1.25E-11	-0.01367	0.76823
0.00139	-0.31962	1.49E-12	-0.18196	7.66E-05	-0.2177	2.04E-06	-0.02084	0.65323
9.80E-19	-0.53997	1.07E-36	-0.44262	7.96E-24	-0.51409	7.30E-33	-0.17717	0.00012
4.59E-13	-0.4622	4.29E-26	-0.33159	1.90E-13	-0.41387	9.46E-21	-0.10896	0.01851
1.04E-05	-0.10824	0.0193	-0.1534	0.00088	-0.15297	0.00091	0.064992	0.16085
0.01223	-0.18267	7.18E-05	0.017323	0.70887	-0.12044	0.00918	0.098829	0.03274
0.00271	-0.43286	9.52E-23	-0.17746	0.00012	-0.27642	1.23E-09	-0.0613	0.18603
3.22E-10	-0.38182	1.17E-17	-0.18621	5.15E-05	-0.32096	1.19E-12	-0.08905	0.05447
2.48E-06	-0.2381	1.92E-07	-0.13362	0.00382	-0.25998	1.19E-08	0.087879	0.05774
2.24E-34	-0.50636	8.86E-32	-0.43605	4.27E-23	-0.59091	2.66E-45	-0.3569	1.78E-15
3.75E-20	-0.47436	1.41E-27	-0.3318	1.83E-13	-0.46323	3.23E-26	-0.15991	0.00052
1.28E-07	-0.39661	4.83E-19	-0.2429	1.07E-07	-0.36243	6.07E-16	-0.11945	0.00978
1.36E-07	-0.23326	3.44E-07	-0.13335	0.00389	-0.22795	6.40E-07	-0.19234	2.86E-05
6.26E-09	-0.19682	1.84E-05	-0.19267	2.77E-05	-0.30684	1.23E-11	-0.0987	0.03296
0.93772	-0.17811	0.00011	0.039699	0.39203	-0.01585	0.73265	0.142006	0.0021
3.52E-06	-0.32455	6.47E-13	-0.21322	3.34E-06	-0.29552	7.26E-11	-0.04879	0.29274
1.57E-20	-0.58801	9.05E-45	-0.30504	1.63E-11	-0.51739	2.47E-33	-0.14992	0.00116
2.43E-06	-0.40726	4.38E-20	-0.30585	1.43E-11	-0.33258	1.60E-13	0.029936	0.51871
4.64E-05	-0.47012	4.71E-27	-0.25723	1.71E-08	-0.34034	3.97E-14	0.096154	0.03779
1.78E-14	-0.48751	2.99E-29	-0.29095	1.46E-10	-0.43974	1.67E-23	0.004529	0.92225
1.16E-05	-0.35132	5.18E-15	-0.18426	6.19E-05	-0.27063	2.78E-09	-0.04908	0.28984
0.37677	-0.18804	4.33E-05	0.093854	0.04264	-0.03897	0.40077	0.021806	0.63834
5.12E-05	-0.45822	1.28E-25	-0.16433	0.00036	-0.28159	5.84E-10	-0.17098	0.00021
1.22E-05	-0.35078	5.74E-15	-0.16392	0.00038	-0.27466	1.58E-09	-0.00893	0.8474
1.79E-12	-0.41301	1.16E-20	-0.40765	4.00E-20	-0.42771	3.41E-22	-0.08561	0.06454
0.14199	-0.17771	0.00011	0.050875	0.27256	-0.07199	0.1203	-0.04113	0.37519
3.62E-10	-0.33325	1.42E-13	-0.23017	4.95E-07	-0.36689	2.51E-16	-0.00138	0.97619
4.16E-05	-0.53095	2.52E-35	-0.36422	4.27E-16	-0.39921	2.71E-19	-0.02551	0.58246
0.21477	-0.3216	1.07E-12	-0.0589	0.20386	-0.10813	0.01942	0.021702	0.63994
0.00033	-0.32595	5.08E-13	-0.05573	0.22937	-0.17829	0.00011	-0.10399	0.02462
0.23712	-0.13624	0.00318	0.078538	0.09002	-0.0679	0.14287	-0.05366	0.24718
3.02E-26	-0.44768	2.13E-24	-0.41112	1.80E-20	-0.53658	3.55E-36	-0.16331	0.00039
0.00727	-0.25643	1.90E-08	-0.02606	0.57423	-0.16158	0.00046	-0.0028	0.95186
7.31E-16	-0.25994	1.19E-08	-0.20173	1.12E-05	-0.33716	7.06E-14	0.01055	0.82013
3.00E-05	-0.37385	6.14E-17	-0.18195	7.67E-05	-0.26122	1.01E-08	0.0859	0.06363
1.92E-06	-0.21329	3.31E-06	-0.13468	0.00355	-0.21529	2.66E-06	-0.03686	0.42681
6.84E-14	-0.30221	2.56E-11	-0.21881	1.81E-06	-0.345	1.69E-14	-0.18247	7.31E-05
9.25E-05	-0.29787	5.05E-11	-0.04023	0.38569	-0.16045	0.0005	-0.06117	0.18694
6.54E-07	-0.4303	1.80E-22	-0.20763	6.06E-06	-0.33124	2.02E-13	0.003065	0.94733
0.41555	-0.13375	0.00379	0.048959	0.29106	0.025023	0.58962	0.058733	0.20519
2.11E-21	-0.56988	1.44E-41	-0.28216	5.37E-10	-0.50196	3.56E-31	-0.25247	3.18E-08
2.07E-10	-0.445	4.30E-24	-0.41416	8.84E-21	-0.47958	3.11E-28	-0.07712	0.09597
0.03676	-0.20214	1.07E-05	-0.01515	0.74398	-0.11403	0.01367	0.002542	0.95631

0.80547	-0.08904	0.0545	-0.00387	0.93354	-0.00124	0.97866	-0.1896	3.73E-05
0.89837	0.255063	2.27E-08	0.020162	0.66387	0.076408	0.09911	0.261785	9.33E-09
0.58656	-0.09915	0.03217	0.010999	0.81261	-0.04032	0.38467	0.092201	0.04644
0.47983	-0.06195	0.1814	-0.01452	0.75423	-0.04036	0.38418	0.074428	0.1082
0.00762	0.049264	0.28806	-0.01293	0.78043	-0.05928	0.20095	-0.04484	0.33364
0.00119	-0.01229	0.7911	0.16333	0.00039	0.156936	0.00067	0.005873	0.89927
0.10599	-0.32493	6.05E-13	-0.05164	0.26545	-0.08602	0.06327	-0.01225	0.79177
5.56E-06	0.157508	0.00064	0.314587	3.46E-12	0.28293	4.80E-10	0.004509	0.92258
9.19E-06	-0.092	0.04693	0.036944	0.42575	0.066624	0.15058	0.0184	0.69166
4.71E-10	0.171581	0.00019	-0.04974	0.28338	0.133395	0.00388	0.249128	4.88E-08
0.00064	-0.11925	0.0099	0.017161	0.71146	0.044977	0.33212	-0.21463	2.86E-06
0.02721	-0.1377	0.00286	-0.07356	0.11241	-0.02181	0.63828	0.091589	0.04792
0.00704	-0.22704	7.11E-07	-0.11503	0.01287	-0.16749	0.00028	-0.09446	0.04132
5.53E-15	0.154641	0.0008	0.240377	1.46E-07	0.286404	2.88E-10	0.074367	0.10849
1.09E-18	0.252775	3.06E-08	0.258911	1.37E-08	0.333451	1.37E-13	0.194251	2.37E-05
0.1433	-0.03421	0.46074	-0.02392	0.6062	-0.03409	0.46234	0.006274	0.89244
0.00676	-0.06475	0.16243	-0.08884	0.05504	-0.13014	0.00485	-0.10141	0.02844
0.46606	0.183039	6.93E-05	0.024665	0.59495	0.089972	0.05201	0.38419	7.12E-18
0.01032	-0.00228	0.96073	-0.07513	0.10489	-0.08846	0.0561	-0.24539	7.83E-08
0.00028	0.071201	0.12442	0.079696	0.08536	0.110212	0.01719	0.086389	0.06213
8.71E-05	0.200271	1.30E-05	0.07032	0.12916	0.152343	0.00096	0.445466	3.81E-24
0.04171	-0.26392	7.00E-09	-0.10685	0.02092	-0.07469	0.10696	-0.06449	0.16415
0.0797	-0.2552	2.23E-08	0.009986	0.82959	-0.0362	0.43514	-0.09503	0.04009
0.00093	0.092539	0.04564	0.278908	8.61E-10	0.05877	0.2049	-0.071	0.1255
0.00024	-0.04952	0.28553	0.038218	0.40994	0.021431	0.64412	0.10484	0.02346
0.43474	0.170236	0.00022	0.0886	0.05571	0.097668	0.03486	0.194855	2.23E-05
0.45166	-0.06124	0.1865	-0.18797	4.36E-05	-0.09089	0.04964	0.016064	0.72917
3.36E-23	0.305565	1.50E-11	0.283409	4.48E-10	0.411676	1.58E-20	0.083047	0.07298
0.00075	-0.21977	1.62E-06	-0.36393	4.52E-16	-0.33174	1.85E-13	0.026954	0.56123
0.8101	-0.20262	1.02E-05	-0.16842	0.00026	-0.15484	0.00079	0.014222	0.75921
0.08073	0.271984	2.30E-09	-0.21044	4.50E-06	-0.10134	0.02854	0.015798	0.73348
0.81439	-0.04996	0.28128	-0.08215	0.07614	-0.05614	0.22594	0.05006	0.28033
0.00114	0.109394	0.01804	0.199222	1.44E-05	0.165279	0.00033	0.021653	0.6407
0.31694	-0.05904	0.20285	-0.12667	0.00612	-0.09476	0.04067	-0.06401	0.16729
0.70748	-0.23529	2.70E-07	-0.23114	4.42E-07	-0.16523	0.00034	-0.0099	0.83112
0.03595	-0.1985	1.55E-05	-0.21436	2.95E-06	-0.20626	7.00E-06	-0.0519	0.263
0.7681	-0.2446	8.64E-08	-0.16741	0.00028	-0.15812	0.0006	-0.08002	0.0841
0.44121	-0.14923	0.00122	0.014246	0.7588	-0.09079	0.04989	-0.07336	0.1134
0.00089	0.072447	0.11795	0.206715	6.67E-06	0.198749	1.51E-05	0.014606	0.75291
0.24826	-0.0594	0.20008	0.019007	0.68204	0.013589	0.7696	0.037099	0.4238
0.54654	-0.15241	0.00095	-0.06443	0.16448	-0.0815	0.07852	0.002072	0.96438
0.41165	0.06881	0.1376	0.176669	0.00012	0.091328	0.04856	-0.09352	0.04339
0.69975	-0.00743	0.87273	0.025388	0.5842	0.029687	0.5222	0.020996	0.65087
0.23371	-0.02827	0.54229	-0.06999	0.13099	-0.07331	0.11362	-0.03624	0.43466
0.00235	-0.05836	0.20808	0.092772	0.0451	0.057973	0.21112	0.043591	0.34725

0.84799	0.044799	0.33404	0.068487	0.13947	0.025777	0.57846	0.029618	0.52316
0.02941	-0.07471	0.10688	0.004726	0.91887	0.026168	0.5727	0.034916	0.4516
0.36293	-0.11885	0.01015	-0.15073	0.00109	-0.12365	0.00747	0.067146	0.1474
0.13382	0.052927	0.25366	0.220961	1.42E-06	0.11299	0.01457	-0.09321	0.04408
0.024	-0.0012	0.97932	0.030194	0.51512	0.044281	0.33966	0.031189	0.50136
0.73322	-0.11338	0.01423	0.072061	0.11992	-0.00453	0.92229	-0.06313	0.17323
0.33784	0.014599	0.75302	0.096957	0.03621	0.028165	0.54376	0.019229	0.67853
0.99155	0.033371	0.47189	0.003713	0.93621	-0.00428	0.92656	0.041833	0.36707
0.13992	-0.00322	0.94459	0.001308	0.97751	-0.01441	0.75614	-8.83E-05	0.99848
0.41767	0.026458	0.56846	0.018857	0.68442	0.031886	0.49184	0.02519	0.58714
0.24954	0.006268	0.89254	0.026577	0.56671	0.044109	0.34155	0.030584	0.50969
0.40062	-0.10589	0.0221	-0.01208	0.79459	-0.03415	0.46157	0.031604	0.49568
0.25574	0.049867	0.28219	-0.06568	0.15648	0.002139	0.96323	0.129477	0.00507
0.3562	-0.05811	0.21004	-0.13423	0.00366	-0.07117	0.12456	-0.18353	6.62E-05
0.06305	-0.02186	0.63758	0.080316	0.08296	0.09094	0.04953	0.036125	0.43608
0.0085	0.042963	0.35426	0.171627	0.00019	0.120215	0.00931	-0.03615	0.43577
0.04702	-0.01388	0.76483	0.073992	0.11029	0.041259	0.37368	0.041639	0.36929
0.80785	0.008463	0.85527	0.096664	0.03678	0.045071	0.33112	0.010673	0.81807
0.02572	-0.11826	0.01053	-0.12374	0.00743	-0.10367	0.02507	-0.07261	0.11713
0.56559	-0.1222	0.0082	0.029024	0.53153	0.005368	0.9079	-0.00693	0.88135
0.37449	-0.01818	0.69523	-0.04698	0.31102	0.008401	0.85631	0.101102	0.02892
0.10547	-0.01822	0.69449	0.027365	0.55526	0.039369	0.39598	0.037898	0.41389
0.43901	-0.06381	0.1686	0.009673	0.83485	-0.03027	0.51403	0.009248	0.84202
0.00068	-0.09083	0.04979	-0.17316	0.00017	-0.17375	0.00016	-0.27869	8.89E-10
0.37162	-0.03408	0.46257	0.124779	0.00694	0.032701	0.48082	-0.05175	0.26443
0.32941	0.059549	0.19894	-0.04993	0.28157	-0.02876	0.53529	0.108908	0.01856
0.48058	-0.04712	0.30963	-0.01793	0.6992	-0.02843	0.53994	0.012274	0.79137
0.00021	-0.24663	6.70E-08	-0.20453	8.38E-06	-0.24517	8.04E-08	0.028263	0.54236
0.11822	0.012468	0.78814	0.017701	0.70281	0.072891	0.11571	0.029345	0.527
0.70799	0.003466	0.94046	0.003881	0.93333	-0.00867	0.85176	0.01553	0.73783
0.68697	-0.03436	0.45881	-0.02632	0.57048	-0.0314	0.49852	0.036744	0.42825
0.0626	0.132771	0.00405	0.077752	0.09329	0.116915	0.01146	0.070075	0.1305
0.01566	0.129019	0.00523	0.048421	0.29639	0.108856	0.01862	0.096263	0.03757
0.01492	-0.13718	0.00297	0.016605	0.72042	-0.07701	0.09647	-0.04137	0.37236
0.84023	-0.05547	0.23152	-0.05813	0.20989	-0.04329	0.3506	-0.06725	0.14675
0.51839	-0.0031	0.94675	0.037295	0.42136	0.053425	0.24921	-0.01354	0.77045
0.14304	-0.0738	0.11122	-0.01564	0.73597	-0.04983	0.28254	-0.02021	0.6631
0.6511	0.013722	0.76742	0.014608	0.75288	0.013508	0.77094	0.029612	0.52326
0.93525	-0.00521	0.91053	0.016608	0.72037	-0.00161	0.97225	7.08E-05	0.99878
0.93368	0.019207	0.67888	0.042919	0.35474	0.01905	0.68136	0.020376	0.66053
0.97713	-0.04746	0.30605	0.029644	0.5228	0.018093	0.69655	-0.01451	0.7544
0.00791	0.067218	0.14697	0.115642	0.01239	0.114399	0.01337	0.048395	0.29665
1.61E-06	-0.19498	2.20E-05	-0.0928	0.04502	-0.17136	0.0002	-0.27305	1.98E-09
0.05689	-0.09142	0.04833	0.117064	0.01135	0.046855	0.31231	0.006	0.89711
0.24298	-0.06651	0.15125	0.137552	0.00289	0.047028	0.31052	-0.01555	0.73743

0.17082	-0.20744	6.18E-06	0.130655	0.00468	0.010777	0.81632	-0.12112	0.00879
0.00046	-0.23095	4.51E-07	-0.08355	0.07126	-0.1797	9.43E-05	-0.01943	0.67536
0.46887	-0.02069	0.65561	-0.0783	0.09099	0.002356	0.95951	-0.00774	0.86745
4.21E-07	0.064207	0.16598	-0.10724	0.02045	0.069073	0.13611	0.461427	5.31E-26
0.04655	-0.04324	0.35115	-0.0388	0.40283	0.00113	0.98056	0.13351	0.00385
0.00839	0.118902	0.01012	0.106432	0.02143	0.117438	0.01109	0.13534	0.00339
4.27E-09	0.231408	4.28E-07	0.240452	1.44E-07	0.245211	8.00E-08	0.296111	6.63E-11
0.07708	-0.02407	0.60387	0.06433	0.16517	0.028615	0.53734	-0.00763	0.86931
0.85908	0.006639	0.88623	-0.0013	0.97759	0.013462	0.77169	0.031081	0.50285
0.00433	-0.00255	0.95621	-0.08152	0.07843	0.045251	0.32919	0.095126	0.03989
2.28E-14	0.382777	9.60E-18	0.285027	3.53E-10	0.342045	2.91E-14	0.358089	1.42E-15
0.12807	0.052685	0.25584	-0.02992	0.51895	0.006212	0.89349	-0.12452	0.00706
0.00034	0.26651	4.92E-09	0.130753	0.00465	0.202673	1.02E-05	-0.06607	0.15402
0.04649	0.299605	3.85E-11	0.295974	6.77E-11	0.232813	3.62E-07	-0.06816	0.14139
0.39534	0.050774	0.27352	-0.05274	0.25531	0.029951	0.5185	0.133538	0.00384
0.0013	-0.04159	0.36986	-0.07481	0.1064	-0.12193	0.00835	0.265074	5.98E-09
0.29193	-0.09726	0.03564	-0.09394	0.04245	-0.07412	0.10967	-0.26322	7.68E-09
0.16827	-0.23761	2.04E-07	-0.24686	6.51E-08	-0.11799	0.01071	0.021908	0.63677
0.26298	0.12204	0.00829	0.062136	0.18009	0.082073	0.07642	-0.01548	0.73861
0.00126	-0.09893	0.03256	-0.13717	0.00297	-0.03776	0.41553	0.31725	2.23E-12
0.1439	0.1815	8.00E-05	0.144099	0.0018	0.127192	0.00591	0.035388	0.4455
0.00075	0.134389	0.00362	0.30048	3.36E-11	0.242311	1.15E-07	0.339363	4.74E-14
7.63E-05	-0.05736	0.21602	0.043184	0.35178	-0.06015	0.19446	-0.1613	0.00047
1.28E-05	0.307727	1.06E-11	0.103438	0.0254	0.170826	0.00021	0.150328	0.00112
0.43723	0.044329	0.33914	0.11135	0.01607	0.025752	0.57883	0.351281	5.22E-15
0.85311	-0.14794	0.00135	-0.11835	0.01048	-0.1036	0.02517	0.277402	1.07E-09
0.46116	-0.18172	7.83E-05	-0.18891	3.98E-05	-0.12404	0.00728	-0.04469	0.33524
3.37E-08	0.096713	0.03668	0.184744	5.91E-05	0.188004	4.34E-05	0.145065	0.00167
0.03953	-0.28027	7.07E-10	-0.10518	0.02301	-0.15217	0.00097	-0.13037	0.00478
4.72E-09	0.017099	0.71246	0.213135	3.37E-06	0.219833	1.61E-06	0.197201	1.77E-05
2.61E-07	-0.13615	0.0032	-0.18872	4.06E-05	-0.20622	7.02E-06	0.143917	0.00182
0.5765	-0.12147	0.0086	-0.05119	0.26962	-0.07882	0.08889	0.001654	0.97157
0.0007	0.025234	0.58649	0.055576	0.23064	0.094027	0.04225	0.091278	0.04868
6.15E-05	0.145361	0.00163	0.051757	0.26432	0.173541	0.00016	-0.02237	0.62975
0.40784	-0.00092	0.98413	-0.10588	0.02211	-0.06378	0.16883	0.15966	0.00053
6.06E-08	0.312868	4.60E-12	0.050697	0.27425	0.249289	4.78E-08	0.247198	6.24E-08
3.39E-08	-0.21386	3.11E-06	0.136492	0.00312	0.159405	0.00054	0.078744	0.08918
0.90546	-0.12817	0.00554	0.007141	0.87768	-0.03092	0.50504	-0.15703	0.00066
0.06246	-0.01344	0.77208	-0.26946	3.27E-09	-0.03055	0.51011	0.15504	0.00077
3.05E-05	0.493973	4.23E-30	0.290746	1.50E-10	0.351371	5.13E-15	0.050176	0.27922
1.66E-11	0.141077	0.00224	0.421202	1.66E-21	0.362668	5.80E-16	-0.12983	0.00495
0.30694	-0.09844	0.03344	-0.01095	0.81339	-0.00749	0.87169	-0.00728	0.87537
0.05307	-0.20683	6.59E-06	-0.03015	0.51573	-0.03974	0.39156	0.018512	0.68989
0.27818	0.06353	0.1705	0.27269	2.09E-09	0.159298	0.00055	0.042274	0.36203
0.27477	-0.00464	0.92039	0.058521	0.20682	0.004592	0.92117	0.067083	0.14778

0.42969	0.026264	0.57129	0.032216	0.48737	0.015196	0.74327	-0.17422	0.00015
0.1224	-0.16225	0.00043	-0.01583	0.73292	-0.10679	0.02099	-0.04488	0.3332
1.08E-12	0.31094	6.31E-12	0.218072	1.96E-06	0.312244	5.10E-12	0.235334	2.68E-07
0.76305	-0.34721	1.12E-14	-0.12745	0.00581	-0.1383	0.00274	-0.03706	0.4243
0.00085	0.1133	0.0143	0.097685	0.03483	0.111496	0.01593	0.076409	0.09911
0.04621	-0.01655	0.72126	0.005678	0.90261	0.049988	0.28102	0.090875	0.04969
2.32E-09	-0.16654	0.0003	0.02677	0.5639	0.071783	0.12136	0.164752	0.00035
0.05029	-0.28222	5.33E-10	-0.19729	1.75E-05	-0.16315	0.0004	-0.15998	0.00052
0.26695	-0.06767	0.14424	-0.11396	0.01373	-0.04679	0.31294	0.001071	0.98159
0.25286	-0.2083	5.65E-06	-0.10598	0.02199	-0.12437	0.00713	-0.22307	1.12E-06
0.03892	0.096694	0.03672	-0.09918	0.03213	0.051276	0.26879	-0.02553	0.58216
7.68E-05	-0.2384	1.85E-07	-0.29178	1.29E-10	-0.25251	3.16E-08	-0.14416	0.00179
0.42102	-0.10284	0.02626	-0.11523	0.01271	-0.0928	0.04502	-0.04236	0.36104
2.69E-16	0.318356	1.85E-12	0.174468	0.00015	0.247319	6.14E-08	0.177443	0.00012
0.01324	0.009407	0.83934	0.045564	0.32584	0.01416	0.76022	-0.14247	0.00203
3.91E-21	0.29414	8.97E-11	0.330559	2.28E-13	0.407663	3.99E-20	0.239915	1.54E-07
0.36177	0.088779	0.05522	0.021614	0.6413	0.033864	0.46536	-0.16598	0.00032
0.05339	-0.10262	0.02658	-0.15786	0.00062	-0.15846	0.00059	-0.06243	0.17807
0.00721	0.11156	0.01587	0.272228	2.23E-09	0.146816	0.00147	0.175665	0.00014
0.88931	-0.11419	0.01354	-0.00168	0.97103	-0.03469	0.45447	0.019126	0.68016
0.21659	-0.06331	0.17196	-0.04328	0.35074	-0.0627	0.17618	-0.03874	0.40355
0.7004	0.01585	0.73263	-0.00386	0.93376	-0.0109	0.81433	0.000971	0.9833
0.33765	0.202533	1.03E-05	0.137292	0.00295	0.129681	0.005	0.236029	2.47E-07
5.38E-05	0.140576	0.00233	0.177421	0.00012	0.215057	2.73E-06	-0.1209	0.00892
6.78E-06	0.002128	0.96341	0.092907	0.04478	0.121325	0.00868	0.123038	0.00777
0.20219	0.093101	0.04434	-0.14487	0.0017	-0.07925	0.08714	0.077095	0.0961
0.20589	-0.30157	2.83E-11	-0.17767	0.00011	-0.14217	0.00207	0.014957	0.74716
7.47E-05	-0.14114	0.00223	0.088353	0.0564	0.068025	0.14216	-0.20002	1.33E-05
0.04887	0.014648	0.75222	-0.07862	0.08968	-0.00854	0.85392	0.079353	0.08672
5.87E-05	0.022079	0.63413	0.069287	0.13489	0.113564	0.01407	0.181397	8.07E-05
0.07464	0.439673	1.70E-23	0.129023	0.00523	0.223155	1.11E-06	0.138288	0.00275
0.76638	-0.04681	0.31273	0.085873	0.06371	0.029725	0.52166	-0.19287	2.71E-05
0.53521	-0.03784	0.41459	-0.00051	0.99115	-0.02935	0.52698	0.083781	0.07047
0.00925	-0.1168	0.01154	-0.16363	0.00038	-0.15961	0.00054	0.086544	0.06166
0.05814	-0.08132	0.07918	-0.07238	0.11827	-0.10696	0.02079	-0.0432	0.3516
0.00787	0.146414	0.00151	0.194332	2.35E-05	0.161351	0.00046	0.248377	5.37E-08
0.00194	0.068603	0.13879	-0.00707	0.87885	-0.08286	0.07362	0.143659	0.00186
0.1807	-0.1452	0.00165	-0.00527	0.90952	-0.03646	0.43188	-0.00375	0.93561
3.73E-11	0.149274	0.00122	-0.03091	0.5052	0.139133	0.00258	0.431208	1.44E-22
3.75E-08	-0.1732	0.00017	-0.2381	1.92E-07	-0.28338	4.50E-10	-0.17713	0.00012
0.00431	-0.11024	0.01716	-0.13408	0.0037	-0.13175	0.00434	-0.17652	0.00013
0.00106	-0.11197	0.01548	-0.1349	0.00349	-0.144	0.00181	-0.04753	0.30543
0.02955	-0.12863	0.00537	-0.26263	8.33E-09	-0.10376	0.02494	-0.01856	0.68907
0.00178	-0.3138	3.94E-12	-0.3842	7.10E-18	-0.33674	7.60E-14	0.007903	0.86475
0.929	-0.08797	0.05749	-0.13111	0.00454	-0.07456	0.10756	-0.08597	0.0634



3.78E-11	-0.09654	0.03703	0.148718	0.00127	0.130488	0.00474	0.075795	0.10186
1.95E-10	0.311644	5.62E-12	0.292501	1.15E-10	0.310188	7.13E-12	0.284377	3.88E-10
0.18851	-0.2026	1.02E-05	0.056558	0.22249	-0.06799	0.14238	0.208436	5.57E-06
0.00019	-0.15929	0.00055	-0.20259	1.02E-05	-0.19508	2.18E-05	0.207384	6.22E-06
2.06E-07	0.045186	0.32988	0.114408	0.01337	0.164101	0.00037	0.444753	4.58E-24
0.84026	-0.09917	0.03215	-0.03495	0.45116	-0.05335	0.24986	-0.07573	0.10216
0.11011	-0.05893	0.20366	-0.05298	0.25318	-0.05438	0.24087	-0.03264	0.48169
0.26796	-0.21504	2.74E-06	-0.11235	0.01514	-0.1338	0.00377	-0.26181	9.30E-09
0.17822	-0.0597	0.19782	-0.01791	0.69942	-0.04745	0.30615	-0.19588	2.02E-05
0.02509	0.206402	6.89E-06	0.074615	0.10732	0.121684	0.00848	0.070285	0.12935
0.45379	-0.08278	0.07392	-0.12885	0.00529	-0.11868	0.01026	0.113795	0.01387
1.01E-08	-0.28362	4.34E-10	-0.31499	3.24E-12	-0.34519	1.63E-14	-0.21022	4.61E-06
0.00503	-0.19465	2.28E-05	-0.0103	0.82439	-0.01798	0.69834	0.021128	0.64882
3.87E-13	-0.03442	0.45808	0.359881	1.00E-15	0.287747	2.36E-10	0.052082	0.26133
0.01394	0.293673	9.63E-11	0.122288	0.00816	0.05146	0.26708	-0.12279	0.0079
2.75E-08	-0.09615	0.03779	0.103654	0.02509	0.127036	0.00598	-0.12565	0.00655
0.8586	-0.01531	0.74147	0.032458	0.48409	0.004948	0.91507	0.265767	5.44E-09
0.88424	-0.07946	0.0863	-0.00166	0.97142	-0.05645	0.22339	0.213417	3.27E-06
0.9209	-0.01768	0.7032	-0.00072	0.98759	-0.02405	0.6042	0.015388	0.74014
0.92236	0.027842	0.54839	0.013334	0.77382	-7.01E-06	0.99988	0.032333	0.48579
0.23713	-0.18265	7.19E-05	-0.09387	0.04261	-0.08613	0.06291	-0.04968	0.28399
2.41E-10	0.452098	6.63E-25	0.282368	5.21E-10	0.353172	3.64E-15	0.045366	0.32795
2.03E-06	0.157524	0.00063	0.279479	7.93E-10	0.292052	1.23E-10	0.073044	0.11494
4.85E-13	-0.03813	0.41102	-0.08419	0.06912	0.145182	0.00166	0.14313	0.00193
0.27091	-0.04952	0.2856	0.060014	0.19546	0.067049	0.14798	0.054731	0.23782
0.0053	0.070478	0.1283	-0.0309	0.50532	0.07561	0.1027	0.004408	0.92431
0.38072	-0.01971	0.67094	0.108987	0.01848	0.024253	0.60113	-0.06883	0.1375
0.00028	-0.21523	2.68E-06	-0.1842	6.22E-05	-0.20087	1.22E-05	-0.06512	0.16004
0.05105	-0.00025	0.99564	0.012935	0.78041	-0.02817	0.54373	-0.02448	0.5977
0.46233	0.220704	1.46E-06	0.169662	0.00023	0.060686	0.19049	-0.08786	0.0578
2.09E-05	-0.11504	0.01286	0.161483	0.00046	0.141032	0.00225	0.054019	0.24398
0.67689	-0.03112	0.50234	0.057744	0.21293	0.015019	0.74615	0.034937	0.45133
0.70363	-0.01	0.82942	-0.03321	0.47402	0.004685	0.91957	0.014024	0.76245
0.56187	-0.0353	0.44668	-0.00481	0.91743	0.011371	0.8064	0.015691	0.73521
0.01237	0.156732	0.00068	-0.19939	1.42E-05	-0.12776	0.00569	0.182742	7.13E-05
0.05618	-0.09212	0.04663	-0.07876	0.08913	-0.09058	0.05044	-0.04249	0.35963
1.74E-06	-0.03636	0.43307	-0.11565	0.01239	-0.17162	0.00019	0.021123	0.6489
0.48485	0.018586	0.6887	-0.07798	0.09234	-0.06089	0.18902	0.055303	0.23294
0.17149	-0.27691	1.15E-09	-0.20468	8.25E-06	-0.19871	1.52E-05	-0.05404	0.24376
0.04281	0.184353	6.13E-05	0.142153	0.00207	0.095205	0.03973	0.010654	0.81839
5.98E-10	0.318092	1.93E-12	0.286112	3.01E-10	0.359043	1.18E-15	0.134012	0.00372
0.00263	0.150195	0.00113	0.219053	1.76E-06	0.196182	1.96E-05	0.049659	0.2842
0.83128	-0.04098	0.37695	0.04911	0.28957	0.048535	0.29526	0.036064	0.43686
0.73679	-0.2104	4.52E-06	0.0481	0.29961	-0.06758	0.14478	0.006125	0.89498
0.02882	-0.29272	1.11E-10	-0.12174	0.00845	-0.08655	0.06164	0.081817	0.07734

0.82882	-0.19692	1.82E-05	0.020034	0.66587	-0.04908	0.28984	-0.23713	2.16E-07
0.01434	-0.04217	0.36319	0.355661	2.26E-15	0.201604	1.13E-05	-0.01611	0.72846
0.02218	-0.01623	0.72653	0.009467	0.83832	-0.02931	0.52745	-0.13864	0.00268
0.00254	-0.243	1.05E-07	-0.23666	2.29E-07	-0.23815	1.91E-07	-0.10767	0.01995
0.00265	-0.08888	0.05495	0.026387	0.56949	0.028002	0.5461	0.071016	0.1254
0.46993	0.028925	0.53293	0.036034	0.43724	0.0578	0.21249	0.113345	0.01426
0.30453	-0.15928	0.00055	-0.10683	0.02095	-0.1125	0.015	-0.06021	0.19401
0.84878	-0.00465	0.92026	-0.07211	0.11966	-0.00269	0.95382	0.141566	0.00217
5.99E-05	0.046919	0.31165	0.107505	0.02014	0.182702	7.15E-05	0.237734	2.01E-07
0.17928	0.119237	0.00991	0.109462	0.01797	0.138757	0.00266	0.347177	1.13E-14
0.04262	-0.10506	0.02318	-0.01284	0.7819	-0.01043	0.82216	0.309417	8.08E-12
0.42197	-0.38185	1.17E-17	-0.1182	0.01057	-0.15231	0.00096	-0.03889	0.40171
0.11981	-0.30502	1.64E-11	-0.11197	0.01549	-0.1689	0.00025	-0.18296	6.98E-05
0.00194	-0.08515	0.06597	0.030603	0.50943	0.072735	0.11649	0.010304	0.82425
0.32012	0.007772	0.86697	-8.94E-05	0.99846	0.017823	0.70086	-0.06201	0.181
0.01008	-0.00495	0.91496	-0.13566	0.00331	-0.1508	0.00108	0.142279	0.00206
0.35968	0.218199	1.93E-06	0.186357	5.08E-05	0.163221	0.0004	0.169063	0.00024
0.85063	-0.06685	0.14917	-0.00025	0.99576	-0.0342	0.46089	-0.1279	0.00564
0.04857	-0.1248	0.00693	-0.07548	0.10328	-0.09108	0.04917	-0.05569	0.22969
0.13112	-0.01225	0.7918	-0.00117	0.97987	-0.02061	0.65681	0.00229	0.96064
0.35735	-0.05398	0.24436	-0.07486	0.10615	-0.10074	0.0295	-0.06552	0.15745
0.41363	0.032242	0.48701	0.056928	0.21948	0.06167	0.18339	-0.02266	0.62519
1.97E-05	0.369034	1.63E-16	0.19478	2.25E-05	0.245534	7.69E-08	0.228209	6.22E-07
0.38511	0.076865	0.0971	0.22191	1.28E-06	0.132056	0.00425	-0.10921	0.01823
5.00E-10	0.038164	0.41061	0.156288	0.0007	0.224004	1.01E-06	0.267359	4.37E-09
1.10E-14	-0.09242	0.04593	-0.05722	0.21711	0.098969	0.0325	-0.07284	0.11598
0.02985	0.012625	0.78554	-0.03495	0.4512	0.015949	0.73103	0.036077	0.43669
0.32377	-0.14493	0.00169	-0.10371	0.02502	-0.11777	0.01086	0.071491	0.12289
0.17672	-0.15878	0.00057	-0.13305	0.00397	-0.14357	0.00187	0.072905	0.11563
0.30716	-0.07617	0.10019	0.04013	0.3869	-0.05046	0.27649	-0.03014	0.5159
0.02614	-0.15269	0.00093	-0.01393	0.764	-0.12095	0.00889	-0.05026	0.27844
2.55E-10	0.114447	0.01333	0.413506	1.03E-20	0.347762	1.01E-14	0.166588	0.0003
7.60E-12	-0.35954	1.07E-15	-0.24885	5.06E-08	-0.32531	5.67E-13	-0.04022	0.38589
0.02022	-0.1421	0.00208	-0.14572	0.00159	-0.15863	0.00058	-0.19175	3.03E-05
0.60328	0.203093	9.72E-06	0.118875	0.01014	0.108674	0.01882	0.171455	0.0002
0.86221	-0.04014	0.38675	0.037298	0.42131	0.000448	0.9923	-0.00791	0.86469
0.02146	0.121044	0.00883	0.068735	0.13804	0.106845	0.02092	0.15785	0.00062
0.08098	-0.15143	0.00103	-0.33428	1.18E-13	-0.24117	1.32E-07	-0.09127	0.0487
0.04592	-0.0678	0.14348	-0.10624	0.02167	-0.09315	0.04422	-0.01729	0.70933
0.04823	0.158328	0.00059	0.033276	0.47315	0.1091	0.01835	-0.25363	2.74E-08
2.28E-18	0.312994	4.50E-12	0.340347	3.96E-14	0.39478	7.23E-19	0.087516	0.05879
0.1156	-0.15819	0.0006	0.000502	0.99136	-0.09058	0.05045	0.015667	0.73561
0.00183	-0.10807	0.01949	0.106637	0.02118	0.078195	0.09144	0.070136	0.13016
0.12461	-0.04754	0.30526	-0.08618	0.06276	-0.05738	0.21585	-0.05205	0.26159
0.01487	-0.15998	0.00052	-0.09055	0.0505	-0.11067	0.01673	-0.07975	0.08514

0.00097	-0.21254	3.59E-06	-0.11518	0.01275	-0.15593	0.00072	-0.07462	0.10728
0.01509	-0.23933	1.65E-07	-0.0367	0.42877	-0.03018	0.51526	0.005701	0.90221
0.47794	-0.21058	4.43E-06	-0.10922	0.01823	-0.13096	0.00459	0.103982	0.02463
0.29414	-0.08363	0.07099	-0.08733	0.05934	-0.10054	0.02983	-0.17227	0.00018
0.96981	-0.33116	2.05E-13	-0.09165	0.04776	-0.14213	0.00208	-0.08049	0.08229
1.35E-05	0.045685	0.32456	0.046739	0.31351	0.093919	0.04249	0.220806	1.45E-06
0.43073	0.180067	9.12E-05	0.013604	0.76937	0.036965	0.42548	0.040817	0.37883
0.10883	-0.35831	1.36E-15	-0.2537	2.71E-08	-0.26716	4.49E-09	-0.20331	9.51E-06
2.55E-06	-0.24687	6.50E-08	-0.23235	3.83E-07	-0.24772	5.84E-08	-0.07643	0.099
8.37E-06	0.005071	0.91298	0.071083	0.12504	0.124088	0.00726	0.151934	0.00099
1.01E-06	0.099203	0.03209	-0.01528	0.74184	0.113674	0.01397	0.345503	1.54E-14
0.04784	-0.00226	0.96114	-0.06231	0.17891	0.052525	0.25729	0.043831	0.3446
0.0002	0.136493	0.00312	0.150432	0.00111	0.19925	1.44E-05	0.250927	3.88E-08
0.00091	-0.08757	0.05862	0.041378	0.37231	0.039917	0.38944	0.06953	0.13353
1.35E-05	0.106119	0.02181	-0.08601	0.06328	-0.10853	0.01898	0.274399	1.64E-09
0.00205	0.075147	0.10483	0.116198	0.01198	0.137144	0.00298	0.371208	1.05E-16
0.5916	0.330711	2.22E-13	0.177717	0.00011	0.169983	0.00022	0.413362	1.06E-20
0.66009	0.119808	0.00956	0.155552	0.00074	0.062721	0.17602	-0.06256	0.17711
0.02222	-0.12082	0.00896	-0.06876	0.13787	-0.12574	0.00651	0.429276	2.32E-22
0.00465	-0.10959	0.01783	-0.10888	0.0186	-0.11007	0.01734	0.237312	2.12E-07
0.01801	-0.15731	0.00065	-0.22874	5.85E-07	-0.20003	1.33E-05	0.059621	0.1984
3.19E-05	-0.12728	0.00588	0.071715	0.12172	0.102978	0.02606	0.322103	9.82E-13
0.29958	0.085395	0.06521	0.004823	0.91721	-0.00385	0.93384	-0.03905	0.39985
0.23426	-0.11802	0.01069	0.144453	0.00175	0.007195	0.87676	-0.0045	0.92282
2.45E-05	-0.21724	2.15E-06	-0.21414	3.02E-06	-0.27169	2.40E-09	-0.13195	0.00429
0.00565	0.05647	0.22321	0.07774	0.09335	0.083448	0.0716	0.019443	0.67516
0.93103	-0.00491	0.91565	0.011768	0.79978	-0.00115	0.9803	0.022504	0.62763
1.03E-05	0.129453	0.00508	0.223936	1.02E-06	0.197705	1.68E-05	0.009304	0.84107
7.24E-06	0.186394	5.06E-05	0.072366	0.11836	0.195771	2.04E-05	0.106214	0.0217
0.12483	-0.03042	0.51193	0.06232	0.17881	0.052727	0.25546	0.101973	0.02756
0.40175	0.102112	0.02735	0.182642	7.19E-05	0.110111	0.01729	0.152878	0.00092
3.20E-18	0.488234	2.41E-29	0.207874	5.91E-06	0.390816	1.72E-18	0.44009	1.53E-23
2.49E-07	0.155606	0.00074	0.12418	0.00721	0.204409	8.48E-06	0.424861	6.84E-22
1.56E-14	0.250877	3.90E-08	0.156316	0.0007	0.319297	1.58E-12	-0.14149	0.00218
3.07E-07	0.425058	6.52E-22	0.085958	0.06345	0.270522	2.82E-09	0.162646	0.00042
0.02061	-0.20172	1.12E-05	-0.00779	0.86661	-0.01745	0.70679	-0.11722	0.01124
0.00608	0.145566	0.00161	-0.07519	0.10463	-0.09302	0.04453	-0.01675	0.71813
0.42966	0.182043	7.60E-05	0.273465	1.87E-09	0.177777	0.00011	0.160651	0.00049
2.46E-15	0.114475	0.01331	0.099006	0.03243	0.244693	8.54E-08	0.259084	1.34E-08
7.15E-09	0.258231	1.50E-08	0.211735	3.92E-06	0.266965	4.62E-09	0.218752	1.82E-06
0.02735	0.103641	0.02511	0.065062	0.1604	0.119013	0.01005	0.086903	0.06059
0.61323	0.066372	0.15213	-0.19264	2.77E-05	-0.07557	0.10289	-0.17809	0.00011
0.95711	-0.1837	6.52E-05	-0.17948	9.62E-05	-0.12561	0.00657	-0.0716	0.12232
0.62534	-0.06102	0.18805	0.034018	0.46333	0.009453	0.83855	-0.04415	0.3411
0.4457	-0.09245	0.04584	-0.00184	0.9684	-0.01006	0.82833	-0.03748	0.41902

5.40E-06	-0.10501	0.02324	0.149019	0.00124	0.114239	0.0135	-0.10604	0.02192
0.64771	0.035881	0.43919	0.052706	0.25565	0.038772	0.40319	-0.03945	0.39502
0.24915	0.101798	0.02783	0.080763	0.08125	0.096174	0.03775	0.099297	0.03192
0.53081	0.011945	0.79683	-0.04752	0.3055	-0.03387	0.46525	0.344326	1.91E-14
0.31687	0.035058	0.44976	0.249622	4.58E-08	0.159555	0.00054	-0.10466	0.02371
0.02738	0.274703	1.57E-09	0.45833	1.24E-25	0.318226	1.89E-12	0.108544	0.01896
0.1806	-0.22224	1.23E-06	-0.14492	0.00169	-0.10425	0.02427	-0.08816	0.05695
0.81891	-0.06822	0.141	-0.02852	0.53865	-0.03131	0.49976	0.096049	0.038
0.43471	-0.00383	0.93423	0.022669	0.6251	0.022852	0.62231	0.11853	0.01036
0.23347	0.14082	0.00229	0.076824	0.09728	0.082921	0.07342	0.231698	4.13E-07
0.83793	-0.04381	0.34485	-0.04328	0.35072	-0.04548	0.32669	-0.00936	0.8401
0.03223	0.083319	0.07204	0.112032	0.01543	0.103045	0.02596	0.176935	0.00012
3.34E-08	0.174383	0.00015	0.038639	0.4048	0.154828	0.00079	0.12291	0.00784
0.00027	0.065867	0.15528	-0.12031	0.00926	0.025971	0.5756	-0.01349	0.77124
0.15358	-0.18043	8.82E-05	-0.20162	1.13E-05	-0.16879	0.00025	-0.04513	0.33045
0.29006	-0.15456	0.0008	-0.16606	0.00031	-0.14011	0.00241	-0.17759	0.00011
0.07285	-0.0977	0.0348	-0.14162	0.00216	-0.13668	0.00308	0.154778	0.00079
0.01355	-0.11787	0.01079	-0.07915	0.08755	-0.03169	0.49452	0.342005	2.93E-14
2.66E-20	0.373817	6.18E-17	0.386411	4.44E-18	0.407064	4.58E-20	0.076578	0.09836
0.07384	-0.07508	0.10512	-0.12315	0.00772	-0.07104	0.12528	0.109917	0.01749
0.05042	0.156266	0.0007	-0.31253	4.86E-12	-0.12637	0.00625	0.059596	0.1986
1.51E-05	0.056053	0.22666	0.187964	4.36E-05	0.175355	0.00014	-0.12617	0.00633
0.47444	-0.10304	0.02597	-0.03134	0.49929	-0.01765	0.7036	-0.04628	0.31827
0.03007	-0.13351	0.00385	0.095443	0.03923	0.065297	0.15889	0.287063	2.61E-10
2.52E-07	0.154042	0.00084	0.267423	4.34E-09	0.26435	6.60E-09	-0.05575	0.22917
0.03095	0.096819	0.03648	-0.11075	0.01665	0.04391	0.34373	0.309727	7.68E-12
2.77E-08	-0.24548	7.74E-08	-0.31324	4.32E-12	-0.33154	1.92E-13	0.114613	0.0132
0.59921	-0.09898	0.03248	0.065241	0.15925	-0.05185	0.26346	0.343364	2.28E-14
0.04208	-0.12864	0.00537	-0.12676	0.00609	-0.05687	0.21995	0.038585	0.40546
0.02632	0.000868	0.98507	0.010625	0.81887	0.038463	0.40694	0.114921	0.01295
0.00318	-0.06731	0.14643	0.083042	0.073	0.089902	0.05219	-0.00149	0.97434
0.23797	0.263778	7.13E-09	0.303671	2.03E-11	0.192589	2.79E-05	-0.11634	0.01187
0.02956	-0.10819	0.01935	-0.02009	0.66502	-0.08077	0.08121	0.160881	0.00048
0.11523	-0.2675	4.29E-09	-0.07406	0.10996	-0.11581	0.01226	0.112324	0.01516
0.0005	-0.1381	0.00278	-0.15094	0.00107	-0.14557	0.00161	-0.15692	0.00067
1.67E-14	0.013883	0.76477	0.005762	0.90118	-0.17386	0.00016	-0.20156	1.14E-05
0.14324	0.287083	2.60E-10	0.123233	0.00767	0.11915	0.00996	0.079719	0.08528
1.31E-06	0.138518	0.0027	0.107094	0.02062	0.147644	0.00138	0.23785	1.98E-07
0.17949	0.138799	0.00265	0.198719	1.52E-05	0.118422	0.01043	0.025918	0.57637
0.4588	-0.04466	0.33555	0.041647	0.36919	0.013571	0.76991	-0.26277	8.17E-09
1.30E-24	0.361035	7.99E-16	0.385775	5.08E-18	0.448094	1.91E-24	0.335429	9.62E-14
0.00011	-0.37612	3.85E-17	-0.21399	3.07E-06	-0.28661	2.79E-10	-0.09425	0.04177
0.57205	0.165806	0.00032	0.061899	0.18177	0.08943	0.05345	-0.05756	0.21442
1.83E-15	0.22237	1.21E-06	0.289052	1.94E-10	0.313537	4.12E-12	0.197486	1.72E-05
0.14967	0.185267	5.63E-05	-0.00484	0.91693	0.053668	0.24707	0.040067	0.38765

0.6563	0.075118	0.10496	-0.01362	0.76902	-0.00083	0.98566	0.100711	0.02955
1.40E-10	-0.28337	4.50E-10	-0.33695	7.32E-14	-0.35103	5.47E-15	-0.0656	0.15699
0.42737	0.096977	0.03617	-0.00769	0.86829	0.005115	0.91222	0.40918	2.82E-20
4.13E-07	-0.12011	0.00938	-0.32089	1.21E-12	-0.27108	2.61E-09	0.092099	0.04668
0.39063	-0.20109	1.19E-05	-0.02584	0.57755	-0.03695	0.42571	-0.30101	3.09E-11
0.60922	-0.01827	0.69379	-0.07473	0.10678	-0.08017	0.08352	-0.09949	0.03158
0.00032	0.150068	0.00114	-0.07538	0.10377	0.043801	0.34493	0.054366	0.24096
0.73303	-0.35678	1.83E-15	-0.32881	3.09E-13	-0.26083	1.06E-08	-0.17193	0.00019
0.04736	-0.08562	0.06451	0.038939	0.40117	0.007804	0.86642	-0.00886	0.84864
0.00249	0.227968	6.39E-07	0.03464	0.45519	0.101044	0.02901	0.00138	0.97627
0.85953	-0.01023	0.82545	-0.26964	3.19E-09	-0.1347	0.00354	-0.03138	0.49873
0.03697	0.018519	0.68978	-0.03414	0.46171	-0.04347	0.34864	-0.18522	5.65E-05
3.77E-19	0.255777	2.07E-08	0.321013	1.18E-12	0.344684	1.79E-14	0.220889	1.43E-06
0.16054	-0.13819	0.00277	-0.04868	0.29381	-0.07025	0.12956	-0.02756	0.55241
0.74683	0.091072	0.0492	0.091999	0.04692	0.075206	0.10456	-0.13115	0.00453
0.00014	0.311274	5.97E-12	0.378162	2.52E-17	0.35095	5.55E-15	0.222251	1.23E-06
0.13476	-0.11391	0.01377	-0.13218	0.00422	-0.1135	0.01412	0.011758	0.79994
0.13593	0.027576	0.55222	0.002729	0.95311	-0.00837	0.85685	-0.0247	0.59443
0.00392	0.12109	0.00881	0.225725	8.28E-07	0.190906	3.29E-05	-0.2014	1.16E-05
0.00257	0.149704	0.00118	0.066887	0.14897	0.127399	0.00583	-0.05167	0.26513
0.00219	0.010941	0.81359	-0.13578	0.00328	-0.11532	0.01264	0.008254	0.85881
0.02986	0.122951	0.00781	0.148666	0.00127	0.130066	0.00487	-0.08613	0.06291
2.18E-16	0.336809	7.51E-14	0.354676	2.74E-15	0.380623	1.51E-17	0.341284	3.34E-14
2.35E-05	0.343474	2.24E-14	0.128043	0.00559	0.213431	3.26E-06	-0.12762	0.00575
0.99517	-0.09345	0.04353	-0.07349	0.11272	-0.04872	0.29343	0.035614	0.4426
0.00032	0.046775	0.31314	0.216473	2.34E-06	0.177527	0.00011	0.020321	0.66138
0.08735	0.070501	0.12817	-0.02578	0.57842	0.038649	0.40469	0.107025	0.02071
0.06616	-0.11468	0.01315	-0.07237	0.11835	-0.10203	0.02748	-0.20457	8.34E-06
0.00017	-0.16582	0.00032	0.04402	0.34252	0.0343	0.45963	0.160847	0.00048
0.00483	-0.20161	1.13E-05	-0.04289	0.35505	-0.00586	0.89946	0.126655	0.00613
0.0001	-0.15164	0.00101	-0.24646	6.85E-08	-0.22277	1.16E-06	-0.18769	4.47E-05
2.23E-05	-0.26844	3.77E-09	-0.26541	5.71E-09	-0.25775	1.60E-08	-0.34315	2.37E-14
0.12094	-0.09465	0.04091	0.102598	0.02662	0.049953	0.28136	0.141623	0.00216
0.6766	0.085996	0.06333	0.054459	0.24016	0.070197	0.12983	-0.13675	0.00307
8.62E-13	-0.36169	7.02E-16	-0.34102	3.51E-14	-0.39783	3.68E-19	-0.10059	0.02975
0.02886	0.238607	1.81E-07	0.388758	2.68E-18	0.237916	1.97E-07	-0.03357	0.46924
0.00866	0.069	0.13652	0.160428	0.0005	0.019765	0.67009	0.094688	0.04082
1.24E-06	0.088925	0.05481	0.064873	0.16162	0.132835	0.00403	0.137556	0.00289
0.93442	0.130609	0.0047	0.040025	0.38815	0.002688	0.9538	0.198909	1.49E-05
7.19E-08	0.077823	0.09299	0.199315	1.43E-05	0.203459	9.36E-06	0.273901	1.76E-09
0.38336	0.033376	0.47181	0.047049	0.31031	0.046471	0.3163	0.004773	0.91806
0.00041	0.000359	0.99382	0.164643	0.00035	0.114441	0.01334	-0.0023	0.96046
0.01799	-0.02761	0.5518	-0.03815	0.41082	0.018517	0.6898	0.035325	0.44632
0.4167	-0.14823	0.00132	-0.13913	0.00259	-0.10855	0.01895	0.224173	9.89E-07
0.10141	0.001247	0.97855	0.012671	0.78477	0.052414	0.2583	0.043648	0.34663

0.04746	-0.13258	0.0041	-0.16818	0.00026	-0.16086	0.00048	0.213736	3.16E-06
0.93834	-0.12063	0.00907	-0.0771	0.09608	-0.08614	0.06289	0.036731	0.42842
1.13E-05	0.051449	0.26718	-0.03406	0.46277	0.068482	0.13949	0.404712	7.84E-20
0.00037	-0.0412	0.37436	-0.20368	9.15E-06	-0.17365	0.00016	-0.31016	7.16E-12
5.22E-05	0.019642	0.67203	0.156107	0.00071	0.177837	0.00011	-0.06193	0.18157
0.20644	0.061993	0.1811	-0.03838	0.40792	0.005571	0.90443	0.026394	0.5694
0.11621	-0.23897	1.73E-07	-0.15627	0.0007	-0.16445	0.00036	0.116145	0.01202
0.00013	0.049478	0.28597	0.117632	0.01096	0.151189	0.00105	-0.03118	0.50142
2.26E-05	0.287522	2.44E-10	0.276291	1.25E-09	0.333558	1.34E-13	0.13541	0.00337
5.23E-08	0.101227	0.02872	0.182991	6.96E-05	0.190321	3.48E-05	-0.01976	0.67012
9.22E-17	0.328325	3.37E-13	0.133735	0.00379	0.371806	9.32E-17	0.196757	1.85E-05
0.95863	0.26094	1.04E-08	-0.08208	0.0764	0.041905	0.36624	-0.10872	0.01877
0.85643	0.094136	0.04202	0.004605	0.92094	0.038021	0.41237	0.22661	7.48E-07
0.54271	0.314599	3.46E-12	0.314835	3.32E-12	0.239268	1.67E-07	0.236037	2.47E-07
7.67E-13	0.368183	1.94E-16	0.363581	4.84E-16	0.359332	1.11E-15	0.218852	1.80E-06
5.79E-14	-0.05502	0.23531	0.166062	0.00031	0.197359	1.74E-05	0.296032	6.71E-11
0.75819	0.130347	0.00478	0.097321	0.03551	0.063108	0.17336	0.299441	3.95E-11
0.07091	0.135208	0.00342	0.092688	0.04529	0.001566	0.97308	-0.05772	0.2131
0.10254	-0.17825	0.00011	-0.04505	0.33133	-0.09513	0.03988	0.066708	0.15006
0.00554	-0.13146	0.00443	-0.16097	0.00048	-0.18151	7.99E-05	-0.12409	0.00726
0.17724	-0.02751	0.55323	0.011417	0.80563	-0.04056	0.38181	-0.00615	0.89463
0.00036	-0.04463	0.33585	-0.13119	0.00452	0.006825	0.88306	0.317595	2.10E-12
0.5566	0.23335	3.40E-07	0.044198	0.34058	0.080745	0.08132	-0.08462	0.06771
5.34E-09	-0.05869	0.20549	0.17593	0.00013	0.194133	2.40E-05	-0.02689	0.56214
0.17014	-0.10811	0.01945	-0.22566	8.34E-07	-0.11486	0.013	0.074381	0.10842
0.00025	0.145192	0.00166	0.220674	1.47E-06	0.035121	0.44894	-0.18328	6.78E-05
0.09166	0.01751	0.70587	0.045747	0.32391	0.045256	0.32913	0.006334	0.89142
0.92095	-0.05707	0.21833	-0.09176	0.04751	-0.05434	0.24122	0.194289	2.36E-05
0.45175	-0.12711	0.00595	-0.07799	0.09228	-0.07042	0.12859	0.066082	0.15393
0.69806	-0.11379	0.01388	-0.01141	0.8058	-0.04706	0.31025	-0.00121	0.97926
0.52723	-0.10238	0.02694	-0.18274	7.13E-05	-0.15537	0.00075	-0.24302	1.05E-07
0.69777	-0.05958	0.19874	-0.03202	0.49006	-0.01667	0.71935	-0.10222	0.02719
0.00591	0.117528	0.01103	0.14107	0.00225	0.110442	0.01696	0.263395	7.51E-09
0.6822	-0.08234	0.07547	-0.07109	0.12502	-0.04196	0.36563	-0.00527	0.90965
4.39E-06	-0.03426	0.46017	0.088033	0.0573	0.119309	0.00986	0.504066	1.83E-31
0.16159	0.015445	0.73921	-0.0352	0.44791	0.020601	0.65702	0.100838	0.02934
0.02165	-0.10707	0.02065	-0.09506	0.04003	-0.02122	0.64735	0.381637	1.22E-17
0.09409	-0.12735	0.00585	-0.02437	0.5994	-0.01289	0.78112	0.101665	0.02803
0.52248	-0.01911	0.68048	-0.01076	0.81668	-0.0015	0.97421	-0.23787	1.98E-07
1.02E-08	0.083264	0.07223	0.125482	0.00662	0.188866	4.00E-05	-0.04882	0.2924
0.16309	0.055191	0.23389	-0.06956	0.13335	-0.04327	0.35077	0.296773	5.98E-11
0.10342	-0.18859	4.11E-05	-0.22715	7.03E-07	-0.21641	2.36E-06	-0.1514	0.00103
0.39253	-0.03682	0.42734	-0.01275	0.78347	-0.06286	0.17508	-0.02091	0.65226
0.00018	0.347985	9.70E-15	0.409131	2.85E-20	0.311531	5.73E-12	0.176541	0.00013
0.00059	-0.02163	0.64106	-0.24615	7.12E-08	-0.19618	1.96E-05	-0.02953	0.52446

0.02779	0.029216	0.52883	-0.18718	4.70E-05	-0.13843	0.00272	-0.16085	0.00048
0.29318	0.002679	0.95396	-0.0586	0.20622	-0.01399	0.76297	-0.29472	8.21E-11
5.06E-07	0.012773	0.78308	0.031313	0.49965	0.1275	0.00579	-0.08247	0.07501
9.80E-07	0.027732	0.54997	0.033718	0.46728	0.121415	0.00863	0.238508	1.83E-07
0.31337	0.165864	0.00032	0.199004	1.47E-05	0.162861	0.00041	0.252913	3.00E-08
0.57234	0.031007	0.50385	0.004622	0.92065	0.010287	0.82454	-0.05964	0.19824
0.1752	-0.06946	0.13392	0.045204	0.32968	0.044299	0.33947	-0.0392	0.39797
0.05284	-0.17667	0.00012	-0.04583	0.32299	-0.03669	0.42894	0.159082	0.00056
0.00024	-0.05852	0.2068	-0.06532	0.15878	-0.1243	0.00716	-0.06843	0.13982
0.93903	0.052831	0.25453	0.142129	0.00208	0.058367	0.20802	-0.10963	0.0178
0.00517	0.489393	1.70E-29	0.311041	6.20E-12	0.29566	7.10E-11	0.264499	6.47E-09
4.14E-10	-0.18059	8.69E-05	0.012918	0.78069	0.080135	0.08365	0.18625	5.13E-05
0.90934	-0.09474	0.04071	-0.24784	5.75E-08	-0.16244	0.00042	0.245211	8.01E-08
0.04017	-0.1572	0.00065	-0.11528	0.01267	-0.14634	0.00152	0.109562	0.01786
0.00789	-0.14592	0.00157	0.02519	0.58714	0.031168	0.50164	0.160366	0.0005
2.75E-12	0.157216	0.00065	0.254676	2.39E-08	0.305237	1.58E-11	0.36024	9.33E-16
0.14144	0.054913	0.23626	0.133009	0.00398	0.034418	0.45809	-0.00511	0.91223
0.00097	0.098061	0.03413	0.011059	0.81161	-0.00974	0.83376	0.368386	1.86E-16
0.77511	0.049311	0.28759	0.029179	0.52935	0.045925	0.32202	0.21853	1.86E-06
0.00666	-0.13888	0.00263	-0.11713	0.0113	-0.11676	0.01157	-0.15471	0.00079
0.1917	0.011045	0.81184	-0.0339	0.46493	-0.05961	0.19845	0.072082	0.11982
0.17361	-0.05207	0.26148	-0.22937	5.43E-07	-0.15255	0.00094	0.020797	0.65396
0.2755	-0.12023	0.0093	-0.07099	0.12554	-0.09297	0.04464	-0.14237	0.00204
0.89351	-0.0672	0.14707	0.025591	0.5812	-0.01185	0.79837	-0.2349	2.83E-07
0.30052	0.352834	3.89E-15	-0.01238	0.78953	0.107173	0.02053	0.091063	0.04922
0.95899	-0.05893	0.20369	-0.03625	0.43455	-0.01226	0.79167	-0.24476	8.47E-08
0.09899	-0.29127	1.39E-10	-0.05525	0.23335	-0.08348	0.07148	-0.11273	0.01479
0.00146	-0.34994	6.71E-15	-0.13048	0.00474	-0.21875	1.82E-06	-0.19736	1.74E-05
0.94736	0.171801	0.00019	0.132571	0.00411	0.086301	0.0624	0.051339	0.26821
0.00567	0.120888	0.00892	0.080934	0.08061	0.001518	0.97391	-0.10173	0.02794
0.02466	0.191901	2.98E-05	-0.01744	0.70692	0.08003	0.08406	0.291135	1.42E-10
0.2765	0.051018	0.27122	0.01288	0.78132	0.013838	0.76551	-0.09372	0.04294
0.00458	0.029713	0.52183	-0.02694	0.56138	-0.06506	0.16044	-0.09596	0.03818
0.84511	-0.01541	0.7398	0.011051	0.81174	0.006611	0.8867	-0.13452	0.00359
0.00297	-0.29678	5.98E-11	-0.11333	0.01427	-0.15393	0.00085	-0.11076	0.01664
4.92E-09	-0.31714	2.27E-12	-0.36099	8.06E-16	-0.34776	1.01E-14	-0.18973	3.68E-05
3.51E-09	0.163555	0.00039	0.163764	0.00038	0.243089	1.04E-07	0.30348	2.09E-11
0.01435	0.044024	0.34248	0.089538	0.05316	0.115146	0.01278	-0.00935	0.84028
0.00382	-0.03288	0.47847	0.132569	0.00411	0.124279	0.00717	-0.04903	0.29037
0.02911	-0.10908	0.01837	-0.11734	0.01116	-0.14395	0.00182	-0.03026	0.51413
0.91238	0.055894	0.22798	0.038216	0.40998	0.028486	0.53917	0.028175	0.54361
0.5377	0.046687	0.31405	0.073795	0.11125	0.047798	0.30266	-0.20145	1.15E-05
0.01158	0.033558	0.4694	0.0481	0.29961	-0.00834	0.85741	0.439316	1.86E-23
1.23E-19	0.196622	1.87E-05	0.316489	2.53E-12	0.416837	4.70E-21	0.150951	0.00107
3.76E-25	0.341467	3.23E-14	0.288492	2.11E-10	0.394564	7.58E-19	0.308146	9.92E-12

0.00673	-0.14409	0.0018	0.012616	0.78569	-0.08806	0.05723	-0.32667	4.49E-13
0.11819	0.132219	0.00421	0.281744	5.71E-10	0.14927	0.00122	0.026631	0.56593
0.77524	-0.13433	0.00363	-0.14827	0.00131	-0.10799	0.01959	0.205644	7.46E-06
0.00921	0.084002	0.06973	0.00858	0.8533	0.092022	0.04687	-0.11147	0.01596
0.59094	-0.20806	5.79E-06	-0.11283	0.01471	-0.12703	0.00598	0.102698	0.02647
0.46102	0.050312	0.27791	0.022829	0.62266	0.022035	0.63481	-0.03676	0.42809
5.99E-11	-0.07729	0.09528	0.111989	0.01547	0.161534	0.00046	-0.00796	0.86374
2.39E-07	-0.10494	0.02334	-0.05716	0.21759	0.035975	0.43799	0.141406	0.00219
2.22E-05	-0.06013	0.19462	-0.14261	0.00201	-0.17351	0.00016	-0.16785	0.00027
0.36352	-0.20997	4.73E-06	-0.10315	0.0258	-0.12647	0.00621	-0.20222	1.06E-05
0.02145	-0.1002	0.03038	0.047796	0.30268	-0.00106	0.98185	0.225546	8.45E-07
1.60E-05	0.227969	6.39E-07	0.323177	8.18E-13	0.262464	8.51E-09	0.177137	0.00012
0.53953	0.016443	0.72303	-0.07732	0.09512	-0.00591	0.89865	0.123181	0.0077
0.00496	-0.09208	0.04672	-0.02838	0.54075	0.030542	0.51028	0.069314	0.13474
0.10271	0.054837	0.2369	-0.04757	0.30493	0.046053	0.32068	0.20823	5.69E-06
0.06171	0.139245	0.00256	-0.0204	0.66014	-0.00957	0.83661	0.166871	0.00029
0.20806	-0.09068	0.05019	-0.04254	0.359	-0.02018	0.66358	0.018825	0.68492
0.97897	-0.04563	0.32513	-0.04386	0.34427	-0.0129	0.781	0.019462	0.67486
0.76951	0.087214	0.05967	0.023587	0.61116	0.0385	0.4065	0.089242	0.05395
1.04E-13	0.014222	0.7592	0.081929	0.07694	0.192727	2.75E-05	-0.01792	0.69925
0.1758	-0.13406	0.0037	-0.0877	0.05825	-0.09062	0.05035	-0.08696	0.06042
0.36629	-0.22276	1.16E-06	-0.10119	0.02878	-0.11064	0.01677	-0.0779	0.09266
0.10777	-0.01735	0.70839	-0.08675	0.06104	-0.07553	0.10308	-0.00325	0.94416
0.00489	-0.08218	0.07603	-0.12808	0.00558	-0.14389	0.00182	-0.24681	6.55E-08
0.00082	-0.03578	0.44044	0.038285	0.40912	0.077685	0.09358	-0.10386	0.0248
0.36584	-0.03511	0.44908	0.004625	0.92059	0.02488	0.59174	-0.08537	0.06529
1.10E-05	0.147557	0.00139	0.041275	0.37349	0.103807	0.02488	0.244244	9.03E-08
0.02742	-0.1946	2.29E-05	-0.14476	0.00171	-0.04422	0.34035	-0.10372	0.025
0.34266	-0.11045	0.01696	-0.08073	0.08139	-0.08861	0.05568	-0.03947	0.39481
0.61864	0.060225	0.19389	0.000676	0.98837	0.008944	0.84714	0.121943	0.00834
0.69314	0.087258	0.05954	0.059472	0.19953	0.030375	0.5126	0.113244	0.01434
0.02044	-0.0935	0.04343	0.045032	0.33153	0.060519	0.19172	-0.04489	0.33309
0.04814	-0.09262	0.04544	-0.02765	0.55119	-0.05626	0.2249	-0.00736	0.87392
0.74055	-0.21423	2.99E-06	-0.06046	0.19218	-0.10065	0.02965	-0.01372	0.76744
0.49957	-0.10964	0.01778	-0.13894	0.00262	-0.12862	0.00537	-0.07296	0.11538
0.47291	0.028378	0.54071	0.166655	0.0003	0.031745	0.49375	0.076839	0.09721
0.04564	-0.08542	0.06512	-0.05911	0.2023	-0.08788	0.05775	-0.13403	0.00371
0.00525	-0.19832	1.58E-05	-0.25377	2.69E-08	-0.21708	2.19E-06	0.121062	0.00882
0.05769	0.044636	0.3358	-0.00085	0.98538	0.045443	0.32713	0.090657	0.05024
0.01442	-0.04835	0.29712	0.049393	0.2868	0.065969	0.15464	0.023109	0.6184
0.48007	-0.02326	0.61613	-0.01734	0.70866	-0.02746	0.55385	-0.00895	0.84697
0.1401	0.097929	0.03437	0.145594	0.00161	0.132326	0.00418	0.241333	1.30E-07
0.00183	-0.2688	3.58E-09	-0.07671	0.09777	-0.07632	0.09948	0.143181	0.00192
0.00125	0.044439	0.33794	0.123246	0.00767	-0.03818	0.41036	-0.00667	0.88573
0.0001	-0.00224	0.96154	0.157428	0.00064	0.107317	0.02036	0.289581	1.79E-10



0.00895	-0.19197	2.96E-05	0.082971	0.07324	0.038332	0.40855	0.068164	0.14135
0.0004	0.125114	0.00679	0.189291	3.84E-05	0.180217	9.00E-05	0.039085	0.3994
0.00298	0.145725	0.00159	0.219508	1.67E-06	0.187892	4.39E-05	0.081816	0.07735
1.52E-05	0.310619	6.64E-12	0.453415	4.67E-25	0.3592	1.14E-15	-0.10772	0.0199
2.47E-06	-0.11735	0.01115	-0.10573	0.0223	-0.17037	0.00022	-0.28562	3.23E-10
0.01831	-0.06064	0.19085	0.13127	0.00449	0.075157	0.10478	0.206658	6.71E-06
0.24115	0.197149	1.78E-05	0.288572	2.08E-10	0.213941	3.09E-06	-0.07882	0.08886
0.1141	-0.04065	0.38079	0.048322	0.29738	-0.01133	0.80702	0.335211	1.00E-13
4.18E-08	0.142562	0.00201	0.341877	3.00E-14	0.294133	8.98E-11	0.104154	0.02439
0.0001	-0.01334	0.77373	0.135189	0.00342	0.144864	0.0017	0.151655	0.00101
0.76391	-0.0011	0.98114	0.061866	0.18199	0.01572	0.73474	-0.14586	0.00157
5.75E-06	-0.10795	0.01963	-0.15786	0.00062	-0.19719	1.77E-05	-0.22692	7.22E-07
0.01771	-0.11881	0.01018	0.0912	0.04888	0.053315	0.2502	0.013737	0.76718
0.0002	-0.08237	0.07537	-0.15773	0.00062	-0.19519	2.16E-05	-0.0899	0.05219
0.00055	0.020768	0.65442	0.093024	0.04451	-0.05864	0.2059	-0.10597	0.022
0.01177	-0.05615	0.22583	-0.15392	0.00085	-0.12826	0.00551	-0.24015	1.50E-07
6.88E-14	0.373463	6.65E-17	0.324524	6.49E-13	0.394064	8.46E-19	0.04601	0.32113
0.00026	-0.07308	0.11476	-0.19231	2.87E-05	-0.14709	0.00144	-0.06376	0.16898
9.56E-05	0.063713	0.16927	0.194715	2.26E-05	0.171556	0.0002	0.121781	0.00843
0.357	0.009971	0.82985	0.07873	0.08923	0.047691	0.30375	-0.04144	0.3716
0.57045	-0.0088	0.84952	-0.04961	0.28466	-0.08096	0.0805	-0.15625	0.0007
0.7164	0.208468	5.55E-06	0.265452	5.68E-09	0.126514	0.00619	-0.18436	6.13E-05
0.00106	-0.03254	0.48294	0.027791	0.54912	-0.07726	0.0954	-0.10237	0.02697
0.0206	-0.01446	0.75525	0.069704	0.13255	0.100189	0.03041	-0.01449	0.75483
0.19892	0.057949	0.2113	0.070505	0.12815	0.063668	0.16957	0.009953	0.83015
0.42883	-0.22913	5.58E-07	0.040632	0.381	-0.01632	0.72505	-0.10598	0.02199
9.50E-05	-0.0233	0.61547	0.290122	1.65E-10	0.192327	2.86E-05	0.338582	5.46E-14
0.0053	0.310552	6.72E-12	0.296663	6.09E-11	0.249796	4.48E-08	0.168027	0.00026
3.88E-25	0.257349	1.68E-08	0.321348	1.12E-12	0.488217	2.42E-29	0.127999	0.0056
0.00062	0.14286	0.00197	0.161193	0.00047	0.181834	7.75E-05	-0.23509	2.76E-07
2.16E-05	0.15648	0.00069	0.300196	3.51E-11	0.263836	7.07E-09	-0.03307	0.47584
0.00678	0.1669	0.00029	0.271752	2.38E-09	0.217278	2.14E-06	-0.01796	0.6986
0.00023	-0.17215	0.00019	0.134153	0.00368	0.132881	0.00402	0.013749	0.76697
0.58238	0.021638	0.64093	-0.06106	0.1878	-0.02138	0.64493	0.537742	2.35E-36
0.30637	0.088244	0.05671	0.143026	0.00195	0.129474	0.00507	-0.00199	0.96574
0.00651	-0.28237	5.21E-10	-0.00433	0.92568	-0.05378	0.24612	0.123879	0.00736
0.00507	0.006965	0.88067	-0.04432	0.33923	0.007055	0.87914	-0.3383	5.74E-14
0.00041	-0.02669	0.56504	-0.06002	0.19542	0.027313	0.55602	0.389788	2.15E-18
0.87187	-0.02637	0.56973	0.098657	0.03305	0.017183	0.71111	-0.00882	0.84928
0.03414	0.057898	0.21171	0.148244	0.00131	0.071066	0.12513	0.092817	0.04499
0.90562	-0.12648	0.0062	0.02963	0.523	-0.01588	0.73211	-0.04781	0.30256
0.69079	-0.0967	0.03671	-0.0142	0.75959	-0.02448	0.59772	-0.01474	0.75077
0.16187	-0.22513	8.86E-07	-0.16737	0.00028	-0.14718	0.00143	-0.10483	0.02348
0.12005	-0.08723	0.05962	-0.00108	0.98142	0.004239	0.92721	0.02446	0.59803
1.82E-06	0.002031	0.96509	0.194983	2.20E-05	0.187307	4.64E-05	0.125233	0.00673

2.09E-10	-0.35401	3.11E-15	-0.2407	1.40E-07	-0.35261	4.06E-15	-0.15787	0.00062
0.82151	0.260593	1.09E-08	0.066469	0.15153	0.1145	0.01329	0.161852	0.00045
0.00013	-0.2093	5.08E-06	-0.09471	0.04078	-0.1736	0.00016	-0.22536	8.63E-07
0.30403	-0.0153	0.74149	0.076602	0.09825	0.061807	0.18241	-0.03809	0.4115
0.14152	-0.09147	0.0482	-0.23729	2.12E-07	-0.1827	7.15E-05	0.27217	2.24E-09
0.56822	-0.03999	0.38858	-0.02395	0.60571	-0.0372	0.42249	-0.18439	6.11E-05
0.57494	0.140711	0.00231	0.251803	3.47E-08	0.177407	0.00012	0.131712	0.00436
0.08659	-0.16986	0.00023	-0.04246	0.35996	-0.10721	0.02049	-0.02512	0.58815
0.70136	0.053912	0.24493	0.034713	0.45423	0.029343	0.52703	-0.00884	0.84894
7.99E-05	0.110059	0.01735	0.225367	8.63E-07	0.204474	8.43E-06	0.050325	0.27778
1.97E-06	0.03539	0.44548	-0.13618	0.00319	0.038234	0.40975	0.163945	0.00037
0.33978	0.279414	8.01E-10	-0.00345	0.94069	0.07246	0.11788	-0.27683	1.16E-09
0.09633	0.216319	2.38E-06	0.035331	0.44624	0.005182	0.91107	-0.1144	0.01337
0.02621	-0.18019	9.02E-05	-0.22784	6.49E-07	-0.23367	3.27E-07	0.003462	0.94052
0.50514	0.00789	0.86497	0.003588	0.93837	0.002876	0.95057	0.328188	3.45E-13
0.57293	0.016794	0.71737	0.022443	0.62856	0.048142	0.29919	0.198514	1.55E-05
6.01E-07	0.103118	0.02586	0.196598	1.88E-05	0.200378	1.28E-05	0.359267	1.13E-15
0.17656	-0.34081	3.64E-14	-0.17849	0.00011	-0.19061	3.38E-05	-0.11894	0.0101
2.11E-07	0.006824	0.88307	0.102259	0.02713	0.170289	0.00022	0.470124	4.71E-27
0.22267	-0.10397	0.02464	-0.03409	0.46242	-0.07154	0.12266	0.035304	0.44658
2.42E-06	0.024524	0.59706	0.130083	0.00487	0.156446	0.00069	0.101536	0.02824
0.90705	-0.04423	0.3402	0.027613	0.55169	-0.0201	0.66491	-0.00287	0.95062
2.40E-09	0.184344	6.14E-05	0.341756	3.07E-14	0.320929	1.20E-12	0.133431	0.00387
0.00016	-0.0673	0.14647	-0.05145	0.26719	-0.11849	0.01038	-0.01478	0.74999
0.00678	-0.22474	9.26E-07	-0.06488	0.1616	-0.15996	0.00052	-0.2237	1.04E-06
0.02902	-0.11085	0.01656	-0.11318	0.0144	-0.1127	0.01482	0.234788	2.86E-07
0.40846	-0.12668	0.00612	-0.06565	0.15666	-0.06357	0.17025	-0.09832	0.03365
0.4709	-0.33797	6.10E-14	-0.07125	0.12416	-0.13053	0.00472	0.021406	0.6445
0.33037	-0.09355	0.04332	-0.25706	1.75E-08	-0.17851	0.00011	0.064191	0.16609
0.68868	-0.04583	0.32304	-0.21702	2.20E-06	-0.13451	0.00359	0.076963	0.09667
0.08147	0.131148	0.00453	0.001528	0.97373	-0.00816	0.86043	0.121802	0.00842
1.33E-06	-0.09533	0.03948	-0.1497	0.00118	-0.17507	0.00014	0.339842	4.34E-14
5.23E-08	-0.24162	1.25E-07	-0.21856	1.86E-06	-0.29138	1.37E-10	-0.04381	0.34487
3.63E-11	-0.09636	0.03739	-0.26232	8.68E-09	-0.30144	2.89E-11	-0.29165	1.31E-10
0.0759	0.014402	0.75626	0.101578	0.02817	0.099017	0.03241	7.38E-05	0.99873
0.57783	0.091146	0.04901	0.098042	0.03416	0.096645	0.03681	0.019643	0.67201
0.20968	0.135645	0.00331	0.079142	0.08757	0.030578	0.50978	0.013481	0.77139
0.71853	-0.30037	3.42E-11	-0.07948	0.08623	-0.11426	0.01348	-0.08924	0.05395
0.63992	-0.12714	0.00593	-0.0298	0.52068	-0.02514	0.58785	0.060537	0.19159
0.02194	-0.25852	1.44E-08	-0.24221	1.16E-07	-0.24524	7.98E-08	-0.09769	0.03481
1.73E-06	-0.16447	0.00036	-0.1294	0.0051	-0.19482	2.24E-05	-0.08602	0.06325
2.93E-14	0.330992	2.11E-13	0.331379	1.97E-13	0.356772	1.83E-15	0.355965	2.14E-15
0.92785	-0.05013	0.27965	-0.03123	0.50082	-0.0129	0.78092	-0.01503	0.74591
5.67E-12	-0.20304	9.78E-06	-0.19854	1.55E-05	-0.30149	2.87E-11	0.159866	0.00052
0.17483	0.14989	0.00116	0.152936	0.00091	0.075771	0.10197	-0.23289	3.59E-07

0.94623	-0.08479	0.06715	-0.05646	0.22326	-0.05737	0.21589	0.003204	0.94495
0.00067	-0.16031	0.00051	-0.09797	0.03431	-0.17534	0.00014	-0.34938	7.47E-15
0.13749	-0.17096	0.00021	-0.0438	0.345	-0.07526	0.1043	-0.07604	0.10076
0.99919	0.001273	0.97811	-0.11239	0.0151	-0.05326	0.25069	-0.12751	0.00579
1.46E-05	0.399942	2.30E-19	0.234382	3.01E-07	0.266157	5.16E-09	0.131028	0.00457
2.58E-05	0.001599	0.97251	0.16422	0.00037	0.146812	0.00147	0.133232	0.00392
0.06789	-0.18192	7.69E-05	0.044848	0.33351	0.01228	0.79125	0.160964	0.00048
0.30957	0.148811	0.00126	0.282097	5.42E-10	0.098482	0.03336	-0.12642	0.00623
4.66E-09	0.058214	0.20922	-0.13169	0.00436	-0.179	0.0001	0.006948	0.88096
0.00164	-0.26332	7.58E-09	-0.16583	0.00032	-0.22421	9.85E-07	-0.25572	2.08E-08
0.36738	0.126991	0.00599	0.067576	0.14482	0.049191	0.28877	0.082583	0.0746
8.44E-09	0.009834	0.83215	-0.16229	0.00043	-0.14001	0.00243	0.170264	0.00022
0.44859	-0.11914	0.00997	-0.05184	0.26352	-0.08422	0.069	-2.91E-05	0.9995
0.0157	0.007872	0.86528	-0.00153	0.97373	0.02993	0.51879	0.17441	0.00015
0.01461	-0.04987	0.28215	-0.06978	0.13211	-0.08541	0.06515	-0.20788	5.90E-06
0.00017	0.164621	0.00035	0.218045	1.97E-06	0.243493	9.92E-08	0.291831	1.28E-10
0.00207	0.236428	2.35E-07	-0.13392	0.00374	0.06029	0.19341	0.346143	1.37E-14
0.00042	0.072966	0.11533	0.041905	0.36623	0.074417	0.10826	0.184639	5.97E-05
0.8344	-0.01646	0.72278	0.054078	0.24347	-0.01582	0.73307	0.227924	6.43E-07
0.00339	0.036704	0.42876	0.119031	0.01004	0.137556	0.00289	0.022296	0.63081
0.00707	-0.16239	0.00043	0.152705	0.00093	0.077065	0.09623	-0.07282	0.11606
0.00047	-0.15171	0.00101	0.043046	0.35332	0.032343	0.48565	0.023377	0.61433
6.88E-06	-0.12797	0.00561	-0.31142	5.83E-12	-0.27996	7.40E-10	-0.05012	0.27976
0.04015	-0.1085	0.01901	0.072512	0.11761	0.046069	0.32051	0.09079	0.04991
0.27261	-0.04219	0.36302	0.01516	0.74385	0.043948	0.34332	-0.04847	0.29588
0.00987	-0.18163	7.90E-05	-0.05204	0.2617	-0.05572	0.22943	-0.11141	0.01601
0.04296	0.019309	0.67727	0.012471	0.78808	0.063228	0.17254	0.112379	0.01511
0.66342	0.117375	0.01113	-0.07057	0.12782	-0.033	0.47678	-0.00402	0.931
0.00303	-0.03274	0.48031	0.000434	0.99254	0.027596	0.55193	0.0783	0.091
0.30438	-0.04104	0.37621	0.016902	0.71564	0.04233	0.3614	0.016797	0.71733
2.31E-07	-0.10292	0.02614	0.037959	0.41313	0.058625	0.20602	0.121474	0.00859
0.06652	0.05637	0.22403	-0.00382	0.93442	0.047834	0.30229	0.001468	0.97475
0.0701	0.027088	0.55927	0.070405	0.12869	0.084341	0.06861	-0.10978	0.01763
0.24161	-0.19858	1.54E-05	-0.08948	0.05331	-0.04451	0.33715	-0.03824	0.40972
0.15373	0.009364	0.84006	-0.17198	0.00019	-0.08541	0.06515	0.16352	0.00039
0.30345	-0.01914	0.68001	-0.02995	0.51845	-0.05429	0.24166	-0.08524	0.06571
0.01442	-0.09786	0.03449	-0.15457	0.0008	-0.14055	0.00233	-0.0648	0.16207
0.92045	-0.16823	0.00026	-0.03828	0.40922	-0.10481	0.0235	0.090606	0.05037
0.14877	-0.10368	0.02505	-0.02131	0.64597	0.01039	0.82281	-0.04186	0.3667
0.18462	0.0446	0.33619	0.07036	0.12894	0.076551	0.09848	-0.12256	0.00802
0.09554	-0.08556	0.0647	0.036712	0.42866	0.028822	0.5344	0.038321	0.40869
0.0906	-0.16957	0.00023	-0.03997	0.38877	-0.03119	0.50141	0.022303	0.6307
2.08E-05	-0.11432	0.01344	0.057442	0.21534	0.055567	0.23072	0.103397	0.02545
0.00307	0.204002	8.85E-06	0.292838	1.09E-10	0.248836	5.07E-08	0.004514	0.92249
0.00014	0.113024	0.01454	0.118796	0.01019	0.142052	0.00209	0.001938	0.96669

0.47969	-0.21791	2.00E-06	-0.18099	8.38E-05	-0.15769	0.00063	-0.00603	0.89657
0.07241	-0.16357	0.00039	-0.20428	8.60E-06	-0.18447	6.07E-05	-0.21141	4.05E-06
5.93E-10	0.077871	0.09279	0.209707	4.86E-06	0.198433	1.56E-05	0.076639	0.09809
4.18E-13	0.198625	1.53E-05	0.282746	4.93E-10	0.30175	2.75E-11	-0.00823	0.85927
4.20E-08	-0.17255	0.00018	-0.2048	8.15E-06	-0.24667	6.66E-08	-0.33471	1.09E-13
0.49395	-0.0754	0.10364	-0.09676	0.0366	-0.10241	0.02689	-0.06223	0.17945
3.33E-05	-0.05974	0.19753	0.030545	0.51024	0.076006	0.10091	-0.00618	0.89398
0.04695	0.164013	0.00037	0.180647	8.65E-05	0.168149	0.00026	0.150743	0.00108
0.00026	0.210285	4.57E-06	0.00778	0.86684	0.116867	0.01149	0.438128	2.52E-23
4.83E-16	0.343516	2.22E-14	0.381653	1.22E-17	0.39868	3.05E-19	0.234703	2.89E-07
0.1192	-0.03338	0.47177	0.04828	0.29781	0.075367	0.10381	0.200809	1.23E-05
0.20711	0.069411	0.13419	0.053794	0.24596	0.067294	0.1465	0.469332	5.89E-27
0.44983	-0.10099	0.0291	-0.0882	0.05684	-0.09614	0.03782	0.236676	2.28E-07
0.00025	-0.14377	0.00184	-0.1419	0.00211	-0.0141	0.76125	0.045855	0.32277
0.93963	0.18808	4.31E-05	0.090544	0.05053	0.075685	0.10236	0.333758	1.29E-13
0.04402	0.074779	0.10655	-0.02609	0.57382	-0.02595	0.57586	0.035327	0.44629
0.46417	0.007741	0.86749	0.057216	0.21715	0.046261	0.31849	-0.04926	0.28807
0.29608	0.326273	4.80E-13	-0.02322	0.61677	0.106108	0.02183	0.301685	2.78E-11
1.01E-05	-0.07363	0.11203	0.019507	0.67415	0.047438	0.30632	0.328634	3.19E-13
9.84E-18	-0.25945	1.28E-08	-0.31643	2.55E-12	-0.38869	2.72E-18	0.059147	0.202
0.00084	-0.15613	0.00071	-0.02311	0.61832	0.020311	0.66154	0.059979	0.19572
0.00532	0.010043	0.82862	0.104501	0.02392	0.103218	0.02571	0.022065	0.63435
0.5984	-0.18763	4.50E-05	-0.06537	0.15845	-0.0706	0.12761	-0.30863	9.17E-12
1.09E-11	0.014835	0.74916	-0.00071	0.98787	0.156	0.00072	0.078059	0.092
0.44578	-0.04451	0.33713	-0.10263	0.02658	-0.07053	0.12799	0.153187	0.0009
0.51699	-0.0252	0.587	-0.06369	0.16945	-0.01613	0.72802	0.108073	0.01949
0.76309	-0.02307	0.61894	-0.07867	0.08947	-0.0518	0.26392	-0.13705	0.003
0.14963	-0.16678	0.00029	-0.05727	0.21673	-0.03578	0.44047	0.014075	0.76162
0.79121	-0.02966	0.52252	-0.23479	2.86E-07	-0.11844	0.01042	0.348588	8.66E-15
0.09913	0.117518	0.01104	0.320915	1.20E-12	0.211143	4.17E-06	0.104631	0.02374
2.78E-05	-0.06581	0.15566	-0.05114	0.27004	-0.11681	0.01153	0.172267	0.00018
0.10368	-0.14693	0.00145	-0.02609	0.57389	-0.02897	0.53223	0.063096	0.17345
0.49442	-0.0911	0.04912	-0.01568	0.73542	-0.03378	0.46644	0.001213	0.97914
0.11734	-0.11944	0.00978	-0.08358	0.07114	-0.05506	0.23504	-0.15728	0.00065
3.57E-05	0.00576	0.90121	0.158521	0.00059	0.137249	0.00296	-0.01608	0.72893
0.25926	0.158873	0.00057	0.14613	0.00154	0.046512	0.31587	-0.14294	0.00196
2.27E-06	0.213294	3.31E-06	0.121005	0.00886	0.20209	1.08E-05	0.333629	1.33E-13
0.0002	-0.04771	0.3035	-0.12388	0.00736	0.016374	0.72415	0.032821	0.47923
6.13E-14	0.235564	2.61E-07	0.332191	1.71E-13	0.343157	2.37E-14	0.313814	3.94E-12
0.469	0.247913	5.70E-08	0.081406	0.07885	0.101684	0.028	-0.16484	0.00035
0.25198	0.112211	0.01526	-0.03323	0.47382	0.014185	0.75981	-0.11056	0.01684
0.25489	-0.0203	0.66165	0.017078	0.71281	-0.06602	0.15431	-0.1764	0.00013
2.57E-08	-0.33215	1.72E-13	-0.24082	1.38E-07	-0.36351	4.91E-16	-0.11427	0.01348
0.68574	0.133259	0.00392	0.103068	0.02593	0.113413	0.0142	-0.16222	0.00043
0.62679	-0.1429	0.00196	-0.02913	0.53006	-0.1014	0.02844	-0.29098	1.45E-10

0.79401	-0.08396	0.06988	-0.01194	0.79694	-0.03059	0.50968	-0.16636	0.00031
0.00128	0.156036	0.00072	0.282455	5.15E-10	0.229405	5.41E-07	0.040061	0.38773
3.91E-05	0.05339	0.24952	0.16967	0.00023	0.156895	0.00067	0.085229	0.06573
0.00046	0.07176	0.12148	0.099521	0.03154	0.145174	0.00166	0.026257	0.57139
7.32E-06	-0.02929	0.52778	0.061945	0.18144	0.072209	0.11916	0.004333	0.9256
1.35E-06	-0.3177	2.06E-12	-0.22251	1.19E-06	-0.27863	8.96E-10	-0.10696	0.02079
7.33E-06	-0.10231	0.02705	0.035435	0.4449	-0.13959	0.0025	-0.18551	5.50E-05
0.00011	-0.12464	0.007	-0.15084	0.00108	-0.17002	0.00022	-0.27672	1.18E-09
0.00409	0.237534	2.06E-07	0.382205	1.08E-17	0.279752	7.62E-10	0.017627	0.704
0.01042	-0.16021	0.00051	-0.01297	0.77989	-0.0131	0.77775	0.125958	0.00642
0.00875	-0.0371	0.42376	0.121082	0.00881	0.104449	0.02399	-0.01237	0.78974
6.33E-15	-0.00732	0.87456	0.112134	0.01533	-0.11629	0.01191	-0.22509	8.90E-07
0.06984	-0.13561	0.00332	-0.02343	0.61354	0.007924	0.86439	-0.09272	0.04522
0.96304	0.192772	2.74E-05	-0.09773	0.03474	0.044003	0.34271	0.048544	0.29517
0.10701	-0.028	0.54606	0.102372	0.02696	0.067414	0.14579	-0.05312	0.25189
7.75E-05	0.008688	0.85146	0.023805	0.60786	0.097815	0.03458	0.070827	0.12641
0.00699	-0.01361	0.7693	-0.04345	0.34878	-0.09105	0.04924	-0.2377	2.02E-07
0.8684	0.234183	3.08E-07	0.044678	0.33536	0.073566	0.11236	0.193705	2.50E-05
6.41E-05	-0.03288	0.47844	-0.07356	0.11238	-0.12645	0.00621	-0.30008	3.58E-11
0.95378	0.02535	0.58476	-0.01565	0.73595	-0.00467	0.91988	-0.08991	0.05218
0.51397	-0.22618	7.86E-07	-0.06588	0.15518	-0.11796	0.01073	0.29213	1.22E-10
0.49108	-0.2032	9.62E-06	-0.10256	0.02667	-0.1111	0.01631	0.107811	0.01979
0.49268	0.152763	0.00093	-0.08449	0.06811	-0.00369	0.93663	0.146457	0.00151
3.90E-07	0.076624	0.09816	0.104266	0.02424	0.146739	0.00147	-0.06636	0.15219
0.00064	-0.14201	0.0021	0.051831	0.26364	0.063036	0.17386	0.106958	0.02079
0.00171	-0.06407	0.1669	0.010289	0.82451	0.05271	0.25562	0.149866	0.00116
0.10524	0.241813	1.22E-07	0.114412	0.01336	0.135052	0.00345	-0.26277	8.18E-09
0.00127	-0.03364	0.46829	-0.17163	0.00019	-0.15058	0.0011	0.077609	0.0939
0.27454	0.037725	0.41601	0.038936	0.4012	0.067013	0.1482	0.048216	0.29845
0.24316	0.056958	0.21923	-0.04345	0.34884	0.007798	0.86654	0.261183	1.01E-08
0.52553	0.035512	0.44391	-0.07982	0.08489	-0.02483	0.59253	0.230895	4.54E-07
0.33558	-0.23271	3.67E-07	-0.18223	7.48E-05	-0.16023	0.00051	-0.1377	0.00286
3.55E-12	0.364126	4.35E-16	0.088711	0.0554	0.285946	3.08E-10	0.331139	2.06E-13
4.09E-05	0.303168	2.20E-11	0.432229	1.11E-22	0.346435	1.29E-14	-0.01976	0.67012
2.98E-16	0.034113	0.46208	-0.25751	1.65E-08	-0.25564	2.11E-08	-0.06578	0.15581
3.11E-09	-0.28483	3.63E-10	-0.275	1.51E-09	-0.33731	6.86E-14	0.272048	2.28E-09
4.26E-09	-0.1627	0.00042	-0.06894	0.13687	-0.2134	3.27E-06	0.177284	0.00012
0.48754	-0.00572	0.90194	0.000407	0.993	0.017975	0.69844	-0.11329	0.0143
0.11604	-0.2493	4.78E-08	-0.0757	0.10229	-0.13562	0.00332	-0.08837	0.05636
0.00019	0.235573	2.61E-07	0.03765	0.41695	-0.00926	0.84175	-0.17865	0.0001
0.37092	0.057276	0.21667	0.036476	0.43164	0.051099	0.27046	0.064607	0.16335
7.64E-05	0.17139	0.0002	0.176163	0.00013	0.191187	3.20E-05	-0.11424	0.0135
0.09704	0.18322	6.82E-05	-0.05175	0.26436	0.045401	0.32758	0.081334	0.07912
0.70145	-0.14777	0.00136	-0.22361	1.05E-06	-0.14471	0.00172	0.078988	0.08819
0.04485	-0.08511	0.06611	-0.08238	0.07531	-0.08135	0.07906	-0.28685	2.69E-10

0.03592	-0.12396	0.00732	-0.14201	0.0021	-0.13692	0.00303	-0.00686	0.88239
0.00421	0.102905	0.02617	0.196776	1.84E-05	0.172385	0.00018	0.016646	0.71975
0.03865	-0.00073	0.98742	0.059434	0.19982	0.103847	0.02482	0.205485	7.59E-06
0.2201	-0.08725	0.05956	-0.04854	0.29523	-0.06079	0.1897	0.002518	0.95672
0.04204	-0.14912	0.00123	0.06073	0.19017	0.037543	0.41827	0.032122	0.48863
4.23E-06	-0.3378	6.28E-14	-0.22739	6.84E-07	-0.25691	1.78E-08	-0.21149	4.02E-06
0.23177	-0.12765	0.00574	-0.18245	7.33E-05	-0.13261	0.0041	-0.22079	1.45E-06
0.08534	-0.04987	0.28214	-0.05777	0.21269	-0.04164	0.36925	-0.06538	0.15837
0.76792	-0.01846	0.69067	-0.01815	0.69559	0.009046	0.84541	-0.02969	0.52216
0.00026	-0.06178	0.18259	-0.12526	0.00672	-0.15181	0.001	0.153976	0.00084
5.84E-05	-0.00014	0.99763	-0.07291	0.11561	0.032829	0.47911	0.247301	6.16E-08
0.05886	-0.05576	0.2291	-0.13066	0.00468	-0.10983	0.01758	-0.19676	1.85E-05
0.02061	-0.32049	1.29E-12	-0.12174	0.00845	-0.0919	0.04715	0.05868	0.20559
0.47296	0.153216	0.00089	0.098736	0.03291	0.092741	0.04517	0.069075	0.13609
0.98393	-0.02864	0.53696	-0.03037	0.51269	-0.00109	0.98119	0.072379	0.11829
2.19E-07	0.096286	0.03752	0.012319	0.79062	0.164952	0.00034	-0.07072	0.12697
0.01012	0.056148	0.22586	0.203213	9.60E-06	0.153362	0.00088	0.012449	0.78846
5.56E-06	0.18883	4.01E-05	0.187624	4.50E-05	0.219944	1.59E-06	0.03877	0.40321
5.90E-10	0.040279	0.38515	0.012979	0.77967	0.128298	0.00549	0.395396	6.31E-19
0.39637	-0.15161	0.00101	0.032445	0.48427	-0.0394	0.39556	0.097668	0.03486
0.05386	-0.0188	0.68525	0.078546	0.08999	0.102622	0.02658	-0.11584	0.01224
0.37471	-0.11968	0.00963	-0.05718	0.21743	-0.05366	0.24712	-0.18229	7.43E-05
0.02465	-0.40811	3.60E-20	-0.23077	4.61E-07	-0.23672	2.27E-07	0.213887	3.10E-06
0.00062	0.054499	0.23982	0.202756	1.01E-05	0.160044	0.00052	-0.19898	1.48E-05
0.42961	0.045245	0.32925	0.054083	0.24343	0.053758	0.24628	0.092258	0.0463
0.8404	-0.02055	0.65784	0.00439	0.92462	0.028924	0.53295	-0.05927	0.20109
0.11808	-0.03262	0.48187	-0.04045	0.38317	-0.06852	0.13927	0.024203	0.60188
0.65878	-0.06788	0.14302	-0.03454	0.45651	-0.07221	0.11917	-0.03522	0.44762
0.03651	-0.06615	0.15353	0.058415	0.20765	0.070107	0.13033	0.022023	0.635
0.3456	0.076355	0.09935	0.014446	0.75552	0.05705	0.21849	0.119263	0.00989
0.64538	0.16605	0.00031	-0.01678	0.71761	0.042318	0.36153	0.30821	9.82E-12
0.71075	0.084055	0.06956	-0.0482	0.29857	-0.0026	0.95538	0.349215	7.70E-15
0.95137	0.031329	0.49943	-0.05105	0.2709	-0.01262	0.78558	0.275687	1.37E-09
5.64E-05	-0.06861	0.13878	0.065387	0.15832	0.058968	0.20338	-0.05963	0.1983
0.05965	-0.12004	0.00942	0.063586	0.17012	0.036739	0.42831	0.171921	0.00019
0.00661	-0.06478	0.16224	-0.08626	0.06253	-0.11049	0.01691	0.006717	0.88489
0.43604	0.152041	0.00098	0.071303	0.12388	0.074735	0.10675	-0.04939	0.28681
0.24261	0.204861	8.10E-06	0.154652	0.0008	0.14929	0.00121	0.15653	0.00069
0.20819	0.213457	3.25E-06	0.164198	0.00037	0.159962	0.00052	0.149824	0.00116
0.04967	-0.25815	1.52E-08	-0.00109	0.98124	-0.02674	0.56435	-0.00831	0.85782
0.01282	-0.03734	0.4208	0.031618	0.49549	0.009124	0.8441	-0.21406	3.05E-06
0.2358	0.039663	0.39246	0.102237	0.02716	0.102736	0.02641	-0.20814	5.74E-06
0.00259	0.05478	0.2374	0.130151	0.00485	0.118438	0.01042	-0.36422	4.27E-16
1.50E-11	0.28058	6.76E-10	0.200201	1.31E-05	0.286945	2.66E-10	0.178327	0.00011
0.34967	-0.1764	0.00013	-0.0974	0.03537	-0.08568	0.06432	-0.03774	0.41581

5.93E-09	0.185627	5.44E-05	0.228865	5.76E-07	0.218747	1.82E-06	0.161788	0.00045
0.3355	-0.15186	0.00099	0.096491	0.03712	0.008784	0.84984	-0.31781	2.03E-12
0.6422	0.11128	0.01614	0.106755	0.02103	0.124024	0.00729	-0.06694	0.14866
0.09563	0.047832	0.30232	0.021919	0.63659	0.003079	0.94709	-0.04118	0.37456
0.00737	-0.04509	0.33088	-0.05199	0.26221	-0.09242	0.04591	-0.07923	0.08721
6.77E-10	-0.11961	0.00968	-0.26792	4.05E-09	-0.27028	2.92E-09	-0.04703	0.31054
5.16E-05	-0.12377	0.00741	-0.03998	0.38863	-0.12087	0.00893	-0.1239	0.00735
0.00027	-0.05712	0.21795	-0.06019	0.19415	-0.11519	0.01274	-0.02908	0.5308
4.00E-06	-0.28065	6.70E-10	-0.15263	0.00094	-0.26378	7.13E-09	0.020577	0.65739
1.39E-05	-0.14343	0.00189	-0.11461	0.0132	-0.1674	0.00028	-0.03133	0.49944
0.08936	-0.08382	0.07035	-0.03822	0.40993	-0.06006	0.19513	0.156956	0.00066
0.61897	-0.01324	0.77538	0.01083	0.81543	-0.00195	0.96656	0.01865	0.6877
0.09987	0.052456	0.25792	0.088656	0.05555	0.117703	0.01091	0.103792	0.0249
0.1762	-0.03691	0.42615	0.081715	0.07771	0.083779	0.07048	0.003699	0.93645
0.00026	-0.01979	0.66976	0.191402	3.13E-05	0.169134	0.00024	-0.00508	0.91273
0.37407	0.083306	0.07209	0.032414	0.48469	0.06792	0.14278	0.132563	0.00411
0.72843	0.058527	0.20678	0.019938	0.66738	0.035042	0.44997	0.067181	0.14719
0.03411	-0.10767	0.01995	0.046387	0.31718	0.026198	0.57226	-0.19859	1.54E-05
0.03313	-0.07032	0.12918	-0.0955	0.03912	-0.11065	0.01676	-0.05379	0.24601
0.13514	-0.0588	0.20469	-0.09758	0.03501	-0.12207	0.00827	-0.12841	0.00545
0.95334	-0.06599	0.1545	0.005735	0.90163	-0.00298	0.94875	-0.00843	0.85578
1.55E-12	-0.25895	1.36E-08	-0.30429	1.84E-11	-0.3494	7.43E-15	-0.15407	0.00084
0.96963	-0.03272	0.48052	0.032946	0.47755	0.000249	0.99571	-0.06355	0.17039
4.84E-10	0.31287	4.60E-12	0.117264	0.01121	0.249987	4.38E-08	0.069551	0.13341
0.52465	-0.04435	0.33897	0.019171	0.67945	0.010698	0.81765	-0.0527	0.25571
0.00229	-0.00785	0.86561	-0.00445	0.92364	0.018462	0.69068	0.017975	0.69844
0.00028	-0.07353	0.11255	0.196393	1.92E-05	-0.05511	0.23456	-0.03511	0.4491
1.10E-11	0.177621	0.00011	0.240404	1.45E-07	0.279794	7.58E-10	0.354319	2.93E-15
0.69488	-0.19712	1.78E-05	-0.13446	0.0036	-0.12027	0.00928	0.037059	0.4243
0.62731	-0.06384	0.16841	-0.06347	0.17093	-0.06176	0.18272	0.055845	0.22839
1.86E-08	0.094439	0.04136	0.166816	0.00029	0.228338	6.12E-07	0.132929	0.00401
0.42986	0.168845	0.00025	-0.12196	0.00833	-0.01335	0.7736	0.116447	0.01179
0.95967	-0.09326	0.04397	-0.01373	0.76733	-0.00559	0.90411	-0.17676	0.00012
0.00012	0.163737	0.00038	0.019908	0.66785	0.144948	0.00169	0.277273	1.09E-09
0.03258	-0.01354	0.77047	-0.07762	0.09385	-0.07851	0.09013	-0.27055	2.81E-09
0.14326	-0.03085	0.50605	0.004692	0.91945	0.01098	0.81293	0.279957	7.40E-10
0.0095	-0.02204	0.63476	-0.02403	0.60448	-0.07247	0.11785	0.0891	0.05434
0.60529	0.021442	0.64395	0.026927	0.56162	-0.01711	0.71225	0.256392	1.91E-08
0.20526	-0.33077	2.20E-13	-0.22655	7.53E-07	-0.24689	6.48E-08	-0.01648	0.72247
1.04E-13	0.471564	3.13E-27	0.38379	7.75E-18	0.408197	3.53E-20	0.088763	0.05526
0.00041	-0.20347	9.35E-06	0.063539	0.17044	0.027944	0.54692	0.00396	0.93198
0.00187	-0.0263	0.57071	0.040595	0.38143	0.086377	0.06217	0.11516	0.01277
0.98649	-0.13251	0.00412	-0.13143	0.00444	-0.1198	0.00956	-0.07207	0.11988
0.08374	0.003457	0.94061	0.0234	0.61398	0.03971	0.3919	0.078083	0.0919
0.00487	-0.0179	0.69965	-0.09723	0.03569	-0.11289	0.01465	-0.10404	0.02455

0.00017	-0.19717	1.77E-05	-0.22831	6.15E-07	-0.2415	1.27E-07	-0.11648	0.01177
0.42879	0.02531	0.58536	0.000105	0.99819	0.046794	0.31294	0.073165	0.11434
0.02239	0.246384	6.91E-08	0.183331	6.75E-05	0.204935	8.03E-06	0.063652	0.16968
0.49772	-0.00958	0.83649	-0.01687	0.71615	-0.00907	0.84506	-0.04325	0.35106
0.75789	-0.06673	0.14993	-0.10126	0.02867	-0.07344	0.11298	0.004359	0.92515
0.23462	-0.12184	0.0084	-0.18758	4.52E-05	-0.15366	0.00086	0.055555	0.23082
0.66975	-0.15091	0.00107	-0.16089	0.00048	-0.11729	0.01119	-0.11705	0.01136
0.82636	4.57E-05	0.99921	-0.01826	0.69393	-0.02329	0.6157	0.066133	0.15361
0.00173	-0.02587	0.57711	0.025254	0.58619	0.046757	0.31332	0.075403	0.10365
0.48226	-0.0597	0.1978	-0.07062	0.12754	-0.06389	0.16811	-0.08034	0.08286
0.03234	-0.06497	0.16102	-0.01696	0.71468	0.016389	0.72391	-0.07794	0.0925
0.83231	-0.01229	0.79102	-0.00271	0.95343	0.028909	0.53317	-0.06065	0.19072
0.35945	0.041206	0.37429	0.028808	0.5346	0.030975	0.5043	-0.087	0.06028
0.70222	0.11517	0.01276	-0.06565	0.15665	0.002425	0.95831	0.11333	0.01427
0.10396	0.021849	0.63767	0.064383	0.16482	0.067952	0.14259	-0.1569	0.00067
9.70E-09	-0.05556	0.23076	0.181188	8.23E-05	0.195235	2.15E-05	-0.02088	0.65259
0.4708	0.148893	0.00125	-0.00885	0.84879	0.046134	0.31983	-0.17073	0.00021
0.00373	-0.31493	3.27E-12	-0.39154	1.47E-18	-0.32089	1.21E-12	-0.04905	0.2902
0.12576	0.07957	0.08586	-0.05162	0.26557	-0.03249	0.48363	0.111339	0.01608
0.00207	0.081691	0.07781	-0.27326	1.93E-09	-0.15815	0.0006	-0.08466	0.06755
0.00078	0.096045	0.03801	-0.10289	0.02619	-0.09215	0.04655	-0.27267	2.09E-09
0.52048	-0.03121	0.50105	0.023832	0.60746	0.006166	0.89428	-0.16122	0.00047
0.00025	-0.23481	2.86E-07	-0.25068	4.01E-08	-0.29332	1.02E-10	-0.1283	0.00549
0.00071	-0.05278	0.25494	0.111486	0.01594	0.091707	0.04763	0.074728	0.10679
3.11E-07	0.093451	0.04354	0.113116	0.01445	0.175874	0.00013	-0.06976	0.13225
0.7922	-0.04933	0.28738	-0.01724	0.71023	-0.01969	0.67135	-0.08158	0.07821
0.52389	0.100479	0.02993	0.094668	0.04086	0.068589	0.13888	-0.06779	0.14355
0.451	0.197687	1.68E-05	0.166352	0.00031	0.151693	0.00101	0.134603	0.00357
0.00029	0.221217	1.38E-06	0.110579	0.01682	0.205994	7.19E-06	0.050021	0.2807
8.36E-07	0.194607	2.29E-05	0.268132	3.93E-09	0.2886	2.07E-10	0.076879	0.09704
1.09E-09	0.172893	0.00017	0.390833	1.71E-18	0.353346	3.53E-15	0.24401	9.30E-08
1.77E-08	0.100074	0.0306	0.387764	3.32E-18	0.320926	1.20E-12	0.273323	1.91E-09
4.77E-05	-0.20271	1.01E-05	-0.17428	0.00015	-0.20164	1.13E-05	-0.07809	0.09187
0.11762	-0.13379	0.00377	-0.03473	0.45405	-0.04806	0.29998	-0.04531	0.32857
0.00435	0.020757	0.65458	-0.09314	0.04426	-0.10243	0.02687	0.233401	3.38E-07
0.13414	-0.19706	1.79E-05	-0.18196	7.67E-05	-0.10125	0.02869	0.172439	0.00018
0.31321	-0.3791	2.08E-17	-0.16202	0.00044	-0.15493	0.00078	0.031296	0.49989
0.24789	-0.18625	5.13E-05	0.015771	0.73392	-0.01953	0.67375	-0.0116	0.80263
8.19E-06	-0.23852	1.83E-07	0.038664	0.4045	0.049091	0.28976	0.015591	0.73684
0.00056	-0.3772	3.08E-17	-0.35903	1.18E-15	-0.33672	7.63E-14	-0.00999	0.82961
0.52102	-0.00105	0.98197	-0.07687	0.09708	-0.04916	0.28906	0.200198	1.31E-05
0.07945	0.105484	0.02262	0.075447	0.10345	0.11818	0.01059	0.155655	0.00074
0.19036	-0.3097	7.72E-12	-0.0857	0.06425	-0.10418	0.02436	0.132278	0.00419
0.70416	0.038467	0.4069	-0.02055	0.65779	-0.00899	0.84644	0.114022	0.01368
0.0033	-0.21482	2.80E-06	-0.02181	0.63822	-0.00654	0.88798	-0.01852	0.68975



0.96855	0.061209	0.18669	-0.00393	0.93258	0.028269	0.54227	0.062543	0.17725
0.0924	0.014191	0.7597	-0.04095	0.37728	-0.02107	0.64973	0.247273	6.18E-08
0.88111	-0.2346	2.93E-07	-0.08492	0.06673	-0.10955	0.01788	-0.00609	0.89557
0.00191	-0.11727	0.01121	-0.11582	0.01226	-0.16789	0.00027	0.138339	0.00274
2.29E-10	-0.1439	0.00182	0.093935	0.04246	0.157979	0.00061	0.266889	4.67E-09
0.13925	-0.00091	0.98438	0.110954	0.01645	0.078949	0.08835	-0.05613	0.226
0.01599	-0.03318	0.47445	0.089976	0.052	0.074249	0.10906	0.013066	0.77823
0.00722	0.022153	0.633	0.110019	0.01739	0.11768	0.01092	-0.00099	0.983
0.35284	0.001701	0.97076	-0.02048	0.65894	-0.0169	0.71559	0.030008	0.51771
0.5916	-0.13107	0.00455	-0.02506	0.58906	-0.02896	0.53244	-0.11626	0.01193
0.21743	-0.03873	0.40371	-0.05432	0.24133	-0.04373	0.34572	-0.05231	0.25928
0.4448	0.017819	0.70092	0.013672	0.76825	0.024045	0.60425	0.078975	0.08824
1.15E-08	0.318978	1.67E-12	0.246122	7.14E-08	0.332384	1.65E-13	0.365392	3.38E-16
0.38285	-0.087	0.06028	-0.15163	0.00101	-0.13694	0.00302	0.207891	5.90E-06
1.81E-05	-0.04261	0.35819	0.075299	0.10413	0.097545	0.03509	0.186611	4.96E-05
0.05903	0.157053	0.00066	0.074624	0.10727	0.114775	0.01307	0.101914	0.02765
0.02394	-0.08147	0.07862	-0.04727	0.30801	-0.10407	0.02452	-0.00928	0.84147
0.17211	-0.00803	0.8626	0.030383	0.51248	0.028018	0.54586	0.148312	0.00131
0.01949	0.098017	0.03421	0.175202	0.00014	0.114431	0.01335	0.238397	1.85E-07
0.0002	0.140869	0.00228	0.253224	2.89E-08	0.195117	2.18E-05	0.248451	5.32E-08
2.73E-31	0.322668	8.92E-13	0.142278	0.00206	0.414387	8.37E-21	0.288819	2.01E-10
0.34718	0.121483	0.00859	0.102321	0.02703	0.12343	0.00758	0.196283	1.94E-05
0.03692	0.012996	0.77939	-0.23666	2.29E-07	-0.06553	0.15742	0.130356	0.00478
2.45E-07	-0.11686	0.01149	-0.10767	0.01994	0.020406	0.66005	0.108006	0.01956
0.02	-0.07698	0.09662	-0.06673	0.14995	0.009744	0.83366	-0.13701	0.00301
0.46004	0.004659	0.92002	-0.00898	0.84653	-0.02409	0.60353	0.226381	7.68E-07
0.37513	0.043374	0.34966	0.15786	0.00062	0.023116	0.6183	-0.06352	0.17059
0.24585	0.102037	0.02746	0.063045	0.17379	0.034593	0.4558	-0.01888	0.684
0.02879	0.098101	0.03406	0.033919	0.46463	0.10007	0.0306	0.052696	0.25574
0.57949	0.111011	0.0164	0.103888	0.02476	0.060844	0.18934	0.084615	0.06771
0.00011	0.142865	0.00197	0.265182	5.89E-09	0.23093	4.53E-07	0.351038	5.46E-15
0.09644	0.01402	0.76252	-0.01674	0.71829	0.019945	0.66727	0.440219	1.48E-23
5.73E-05	-0.10357	0.0252	-0.11209	0.01538	-0.21135	4.08E-06	0.214221	2.99E-06
0.17096	-0.03597	0.43809	-0.03757	0.41795	0.017988	0.69823	0.077196	0.09567
0.25171	-0.16848	0.00025	0.008313	0.85781	-0.03147	0.49747	0.11948	0.00976
0.00386	-0.31195	5.35E-12	-0.22341	1.08E-06	-0.26904	3.47E-09	-0.20007	1.32E-05
0.06577	0.169894	0.00023	-0.12906	0.00522	-0.05494	0.236	0.008109	0.86125
0.00139	0.05626	0.22494	-0.29834	4.69E-11	-0.18695	4.80E-05	-0.10873	0.01876
0.87396	-0.02244	0.62857	-0.01496	0.7472	-0.02112	0.64899	-0.1164	0.01183
0.0046	-0.29804	4.92E-11	-0.20518	7.83E-06	-0.23581	2.53E-07	-0.16321	0.0004
0.0003	0.046838	0.31248	0.135343	0.00338	0.150283	0.00112	0.267456	4.32E-09
0.39611	-0.27453	1.61E-09	-0.13789	0.00283	-0.08979	0.05249	-0.29353	9.84E-11
0.00727	-0.17695	0.00012	-0.14495	0.00169	-0.16161	0.00045	-0.09785	0.03452
0.38602	0.001368	0.97649	0.0369	0.42629	0.017066	0.713	-0.0787	0.08936
0.06139	-0.18274	7.13E-05	-0.09996	0.03079	-0.12666	0.00613	-0.2548	2.35E-08

4.72E-05	0.355773	2.22E-15	0.257148	1.73E-08	0.25751	1.65E-08	-0.20955	4.95E-06
0.01609	0.128891	0.00528	0.200581	1.26E-05	0.17679	0.00012	0.052356	0.25883
0.03711	0.057381	0.21582	-0.10889	0.01858	-0.07296	0.11535	0.19057	3.39E-05
0.07469	-0.14938	0.00121	-0.09975	0.03114	-0.08282	0.07376	-0.13918	0.00258
0.00027	-0.2105	4.47E-06	0.039113	0.39906	0.036356	0.43315	-0.02458	0.59622
0.55604	-0.1156	0.01242	-0.0369	0.42628	-0.07716	0.09581	-0.0018	0.96899
0.22238	0.186359	5.08E-05	-0.05076	0.27366	-0.00754	0.87082	0.302029	2.63E-11
1.10E-07	0.029876	0.51955	-0.00665	0.8861	0.107415	0.02025	0.243925	9.40E-08
0.01484	-0.17676	0.00012	-0.15167	0.00101	-0.16205	0.00044	-0.12121	0.00874
0.50416	-0.32079	1.23E-12	-0.13315	0.00394	-0.13744	0.00292	-0.06176	0.18274
0.00022	-0.17182	0.00019	0.092331	0.04613	0.072524	0.11756	0.072165	0.11939
0.11928	-0.21159	3.98E-06	-0.0935	0.04343	-0.07917	0.08744	0.039074	0.39953
1.06E-08	0.009623	0.8357	0.155517	0.00075	0.215454	2.62E-06	0.018649	0.68771
4.27E-05	-0.15304	0.00091	-0.14796	0.00134	-0.17811	0.00011	-0.08919	0.05408
0.05024	0.10687	0.02089	0.098749	0.03288	0.140905	0.00227	-0.07114	0.12473
0.00213	-0.38737	3.62E-18	-0.25545	2.16E-08	-0.27831	9.39E-10	-0.11439	0.01338
0.00045	-0.39445	7.77E-19	-0.2931	1.05E-10	-0.30524	1.58E-11	-0.17041	0.00022
0.2566	-0.03642	0.43232	-0.06334	0.1718	-0.01014	0.82702	-0.03235	0.48561
0.45979	-0.31577	2.85E-12	-0.21819	1.94E-06	-0.19098	3.26E-05	-0.20235	1.05E-05
0.73164	-0.30911	8.49E-12	-0.03667	0.42923	-0.05904	0.20285	0.081723	0.07769
2.21E-06	-0.04626	0.31847	0.151962	0.00099	0.18067	8.63E-05	0.295093	7.75E-11
0.02634	-0.11439	0.01338	0.005503	0.90558	0.014339	0.75727	-0.11772	0.0109
0.2341	-0.19208	2.93E-05	-0.10673	0.02106	-0.13245	0.00414	0.083635	0.07097
0.03471	0.047217	0.30858	-0.00131	0.97755	-0.01108	0.81127	-0.16753	0.00028
0.24092	0.026459	0.56844	-0.05968	0.19799	-0.0554	0.23212	-0.09636	0.03738
0.68435	-0.10056	0.0298	-0.06116	0.18707	-0.07269	0.11669	-0.02483	0.59246
0.01288	-0.05525	0.23342	0.035106	0.44914	0.077389	0.09484	0.029264	0.52814
0.03934	0.259343	1.29E-08	0.37677	3.37E-17	0.25218	3.30E-08	0.170927	0.00021
3.89E-07	0.20804	5.80E-06	0.359531	1.07E-15	0.313776	3.96E-12	0.193892	2.45E-05
0.51059	-0.11461	0.0132	0.045706	0.32433	0.027469	0.55376	-0.08819	0.05686
0.09774	0.204518	8.39E-06	0.203771	9.06E-06	0.176067	0.00013	-0.04683	0.31256
1.11E-05	0.147782	0.00136	0.248297	5.43E-08	0.23371	3.26E-07	-0.16153	0.00046
0.00027	-0.12865	0.00536	0.078501	0.09017	0.091195	0.04889	-0.03165	0.49507
0.14245	-0.08689	0.06062	-0.00632	0.89172	0.033147	0.47486	0.173991	0.00016
0.26939	-0.12893	0.00526	0.0441	0.34165	0.024753	0.59364	0.029922	0.5189
0.27109	-0.09149	0.04815	0.00678	0.88383	0.017586	0.70465	0.021885	0.63713
0.26024	-0.21734	2.13E-06	-0.11551	0.0125	-0.12053	0.00913	0.417816	3.72E-21
0.67515	-0.01819	0.69504	-0.02206	0.6344	-0.0016	0.97241	-0.15565	0.00074
0.99003	-0.04944	0.28632	0.056952	0.21928	0.027153	0.55834	-0.14055	0.00233
0.27212	-0.05262	0.25642	-0.06913	0.13581	-0.0038	0.93473	0.099862	0.03096
0.17084	0.167515	0.00028	0.11768	0.01092	0.144377	0.00176	-0.04101	0.37656
0.77869	-0.04928	0.28792	-0.03163	0.49539	-0.05279	0.25493	0.015067	0.74537
0.0676	-0.17332	0.00017	-0.09205	0.0468	-0.02883	0.53431	0.138778	0.00265
0.00297	-0.12675	0.00609	-0.02539	0.58416	-0.11478	0.01306	0.072598	0.11718
0.37818	0.194039	2.42E-05	0.060314	0.19323	0.096373	0.03735	-0.00249	0.95715

0.03255	0.039072	0.39956	0.065055	0.16045	0.103079	0.02591	0.003681	0.93677
0.58891	0.035835	0.43978	0.068795	0.13769	0.036647	0.42948	0.010709	0.81745
0.85324	0.026704	0.56486	-0.01164	0.80183	0.024103	0.60337	0.076485	0.09877
0.93102	-0.12989	0.00493	-0.06563	0.15678	-0.10322	0.02571	-0.00847	0.85519
0.00126	0.246443	6.86E-08	0.280255	7.09E-10	0.237483	2.07E-07	0.112984	0.01457
0.02652	-0.12961	0.00503	-0.09535	0.03942	-0.14447	0.00175	-0.02958	0.52375
0.03189	-0.15841	0.00059	-0.15773	0.00062	-0.14628	0.00153	0.035209	0.44781
0.04916	-0.15124	0.00104	-0.12152	0.00857	-0.11411	0.01361	-0.15721	0.00065
0.3648	-0.09897	0.03249	-0.02672	0.56467	-0.06617	0.15341	0.119005	0.01005
0.86523	-0.09343	0.04358	-0.24866	5.18E-08	-0.12702	0.00598	0.026762	0.56402
0.01425	0.201821	1.11E-05	0.28169	5.76E-10	0.225352	8.64E-07	0.240947	1.36E-07
0.04705	-0.11134	0.01608	0.060509	0.19179	0.051498	0.26672	-0.29453	8.46E-11
0.04156	-0.29001	1.68E-10	-0.2551	2.26E-08	-0.22859	5.95E-07	-0.14156	0.00217
0.39969	-0.24038	1.46E-07	-0.10243	0.02687	-0.08518	0.06588	0.097934	0.03436
1.10E-09	-0.06848	0.13951	0.158773	0.00057	0.191914	2.98E-05	0.01883	0.68484
6.25E-07	-0.11069	0.01671	0.091265	0.04871	0.121545	0.00856	0.107941	0.01964
0.10085	-0.05737	0.21594	-0.12148	0.00859	-0.08543	0.0651	-0.11261	0.0149
0.58172	0.391218	1.57E-18	-0.01276	0.78333	0.077297	0.09523	0.094203	0.04187
0.19023	-0.21875	1.82E-06	-0.15296	0.00091	-0.10095	0.02916	-0.12335	0.00762
0.05454	-0.10314	0.02582	-0.11301	0.01455	-0.14253	0.00202	0.148579	0.00128
5.38E-06	0.235457	2.64E-07	0.178737	0.0001	0.189508	3.76E-05	0.103105	0.02587
0.90082	0.00572	0.90189	-0.02354	0.61187	-0.0035	0.93987	-0.05221	0.26014
0.37587	-0.15973	0.00053	-0.21269	3.53E-06	-0.15886	0.00057	-0.17803	0.00011
2.36E-10	-0.06201	0.181	0.185531	5.49E-05	0.194124	2.40E-05	-0.04491	0.33284
0.61436	-0.06928	0.13493	-0.05831	0.20849	-0.03959	0.39338	0.031047	0.5033
0.03882	-0.05944	0.1998	-0.03343	0.47112	0.01447	0.75513	0.017947	0.69888
0.35497	-0.05909	0.20246	0.002394	0.95886	-0.02147	0.64346	-0.05574	0.22927
0.02381	-0.2554	2.17E-08	-0.13419	0.00367	-0.09909	0.03228	-0.0233	0.61552
8.52E-11	0.123666	0.00746	0.035658	0.44204	0.200036	1.33E-05	0.138389	0.00273
7.85E-16	0.088143	0.05699	0.14152	0.00217	0.221601	1.32E-06	0.194876	2.23E-05
0.02289	-0.2327	3.67E-07	-0.16405	0.00037	-0.17743	0.00012	-0.16975	0.00023
0.50826	0.092265	0.04629	0.107896	0.01969	0.09757	0.03504	-0.05692	0.21952
0.01939	0.161823	0.00045	0.17696	0.00012	0.206748	6.65E-06	0.061006	0.18816
0.03024	-0.06394	0.16775	0.056197	0.22547	0.071482	0.12294	0.008131	0.8609
0.05359	-0.03925	0.39743	0.086687	0.06123	0.084577	0.06783	0.011707	0.80079
0.16057	-0.13005	0.00488	-0.06979	0.13208	-0.09278	0.04507	-0.1523	0.00096
0.20383	0.103192	0.02575	0.208864	5.32E-06	0.084073	0.0695	-0.05756	0.21442
0.07692	0.058342	0.20822	0.056491	0.22304	0.100033	0.03067	0.104059	0.02452
0.0558	-0.04531	0.32856	0.074609	0.10734	0.041715	0.36841	-0.05289	0.25398
0.65266	0.061337	0.18577	-0.01394	0.76384	-0.01341	0.77263	0.005817	0.90022
5.99E-06	0.054634	0.23865	-0.08349	0.07146	-0.08189	0.07709	0.102672	0.02651
0.71426	-0.06967	0.13276	0.003439	0.94092	0.008034	0.86252	-0.00036	0.99376
0.21213	-0.05668	0.22146	0.03597	0.43805	0.044348	0.33893	0.015973	0.73063
0.13104	-0.00566	0.90285	0.036926	0.42596	0.066675	0.15027	0.029674	0.52238
0.04533	0.021348	0.6454	0.004905	0.91581	-0.02323	0.61653	0.024767	0.59344

0.5434	-0.07115	0.12466	-0.0596	0.19854	-0.04616	0.31958	-0.03135	0.49914
0.86797	0.009858	0.83175	0.002319	0.96014	-0.02835	0.54116	-0.05481	0.23714
0.2579	-0.06855	0.1391	0.019322	0.67706	-0.00475	0.91844	0.018455	0.6908
0.15942	-0.16854	0.00025	-0.02904	0.53137	-0.09042	0.05084	-0.00267	0.95411
7.23E-05	0.119411	0.0098	0.099241	0.03202	0.17462	0.00015	0.376951	3.24E-17
0.46422	-0.09719	0.03575	-0.01092	0.81392	-0.02286	0.62222	0.081168	0.07973
0.74482	-0.11356	0.01407	-0.05578	0.2289	-0.04699	0.31092	0.019688	0.6713
0.00185	-0.10361	0.02515	0.109058	0.0184	0.096278	0.03754	-0.00434	0.92542
0.29458	-0.0938	0.04276	0.082241	0.07582	0.045599	0.32548	0.043997	0.34277
0.13174	-0.10866	0.01883	0.078033	0.09211	0.034894	0.45189	0.004646	0.92023
0.03726	-0.10506	0.02317	0.014839	0.74909	0.048121	0.2994	0.023281	0.61579
0.3227	0.121158	0.00877	0.13825	0.00275	0.114193	0.01354	-0.02646	0.56847
0.12038	-0.04043	0.38341	-0.00379	0.93494	-0.01627	0.72581	0.017011	0.71388
0.05138	-0.10887	0.01861	0.00758	0.87022	0.006003	0.89706	-0.06573	0.15612
0.18143	0.066301	0.15257	0.047941	0.30121	0.091389	0.04841	0.01095	0.81342
0.06533	-0.08779	0.058	0.021329	0.6457	-0.00133	0.97717	-0.00217	0.96275
0.03965	-0.07049	0.12825	0.066676	0.15026	0.033888	0.46504	0.021568	0.64201
0.16358	0.003527	0.93941	0.060843	0.18934	0.038014	0.41245	-0.03394	0.46438
0.10737	-0.05515	0.23421	0.033486	0.47036	-0.02927	0.5281	0.151583	0.00102
0.82995	0.083253	0.07227	0.096939	0.03624	0.068277	0.14068	0.186643	4.94E-05
0.32246	-0.10547	0.02264	0.112589	0.01492	0.001701	0.97076	-0.0013	0.97773
0.00925	-0.16603	0.00031	-0.20856	5.49E-06	-0.21466	2.85E-06	0.092407	0.04595
0.2753	0.16709	0.00029	0.049174	0.28894	0.052659	0.25608	0.123623	0.00748
0.25399	-0.04561	0.32535	0.071884	0.12083	0.020787	0.65411	-0.00868	0.85164
0.30392	0.119891	0.00951	0.110383	0.01702	0.107972	0.0196	-0.13059	0.0047
3.96E-13	0.13025	0.00481	0.424022	8.38E-22	0.331263	2.01E-13	0.021788	0.63862
0.42412	-0.01439	0.75647	0.002935	0.94956	0.021784	0.63867	0.058311	0.20846
0.95689	0.034203	0.4609	0.020856	0.65305	0.019078	0.68092	0.015768	0.73396
0.0275	-0.08638	0.06216	-0.02648	0.56807	0.029239	0.52849	-0.02411	0.6033
0.6398	-0.03636	0.4331	0.025036	0.58943	-0.00364	0.93742	-0.00459	0.9212
0.26314	0.005196	0.91083	0.031598	0.49576	0.05221	0.26016	0.069579	0.13325
7.39E-06	-0.14833	0.00131	-0.17348	0.00016	-0.20904	5.22E-06	-0.19626	1.94E-05
0.75212	0.051608	0.26571	0.005294	0.90916	0.029341	0.52706	0.039659	0.39251
0.97497	-0.0226	0.62617	-0.03181	0.49294	-0.0576	0.21407	-0.00165	0.97161
0.03608	0.196766	1.85E-05	-0.10901	0.01845	-0.05453	0.23958	0.016128	0.72812
8.51E-05	-0.27612	1.28E-09	0.026655	0.56557	0.041081	0.37574	-0.01359	0.76961
0.02443	0.107936	0.01964	0.234696	2.90E-07	0.163865	0.00038	-0.05667	0.22155
0.00011	-0.20846	5.55E-06	-0.22308	1.12E-06	-0.26479	6.21E-09	-0.04628	0.3183
0.22755	-0.07269	0.11671	0.05046	0.27649	0.056048	0.22669	0.081076	0.08007
0.65858	0.059447	0.19972	-0.06401	0.16729	-0.00333	0.94281	0.022097	0.63387
0.00098	-0.14689	0.00146	-0.14706	0.00144	-0.18441	6.10E-05	-0.13164	0.00438
0.9945	0.043371	0.34969	-0.04753	0.30538	0.001431	0.97539	-0.03356	0.46943
0.00198	0.182708	7.15E-05	-0.03214	0.4884	0.146354	0.00152	0.117019	0.01138
0.0031	0.072827	0.11602	-0.00471	0.91914	0.096538	0.03703	0.110883	0.01652
0.78689	0.018835	0.68476	0.031011	0.5038	0.042745	0.3567	-0.05652	0.22277

0.22949	-0.0512	0.26949	-0.04543	0.32729	-0.06503	0.16058	-0.0808	0.08112
0.91517	-0.11238	0.01511	-0.02326	0.61614	-0.04404	0.34226	-0.00581	0.90028
0.33145	0.004442	0.92374	-0.08195	0.07688	-0.05196	0.26249	-0.08199	0.07671
0.07771	0.073052	0.1149	0.193518	2.55E-05	0.097098	0.03594	0.08373	0.07065
9.33E-05	0.091055	0.04924	0.267931	4.04E-09	0.245748	7.48E-08	0.014694	0.75147
0.9064	-0.03041	0.51211	0.029215	0.52883	-0.02144	0.64396	-0.03346	0.47074
0.99027	0.023804	0.60788	-0.00655	0.88776	0.006506	0.88849	0.040665	0.3806
0.12377	0.061874	0.18194	-0.00593	0.89836	0.048189	0.29872	0.113908	0.01378
0.68845	-0.00213	0.96341	-0.00482	0.91728	0.010645	0.81853	0.033166	0.47461
0.07546	-0.15872	0.00058	-0.14446	0.00175	-0.15049	0.00111	-0.03116	0.50169
0.04112	0.118129	0.01062	0.164566	0.00036	0.125055	0.00681	-0.02885	0.53403
0.00714	0.168493	0.00025	0.204317	8.57E-06	0.162324	0.00043	0.00681	0.88331
0.15162	0.213958	3.08E-06	0.226177	7.86E-07	0.159842	0.00053	-0.19021	3.51E-05
0.45284	-0.04908	0.28988	-0.02615	0.57295	-0.07676	0.09755	0.005907	0.8987
0.01743	0.033784	0.46641	-0.00231	0.96026	0.042881	0.35517	0.092444	0.04586
0.69977	0.04771	0.30355	0.022454	0.62839	0.012665	0.78487	0.038938	0.40118
0.15294	-0.02599	0.57529	-0.02163	0.64101	-0.04667	0.31423	0.043924	0.34358
6.70E-17	0.398002	3.55E-19	0.160645	0.00049	0.322697	8.87E-13	0.356363	1.98E-15
0.06515	0.096585	0.03693	-0.07875	0.08914	-0.08729	0.05943	-0.10741	0.02025
0.14647	-0.04144	0.37157	-0.03523	0.44756	-0.06167	0.18337	0.171173	0.0002
0.34024	-0.24452	8.73E-08	-0.09777	0.03466	-0.08977	0.05255	0.027686	0.55063
0.1198	-0.00235	0.9596	-0.06362	0.16988	0.00158	0.97283	0.076292	0.09963
0.00098	0.155802	0.00073	-0.0253	0.58543	0.079237	0.08719	0.036368	0.433
0.49606	0.048281	0.29779	0.07099	0.12554	0.040617	0.38117	0.020802	0.65388
0.11361	0.057458	0.21521	0.06696	0.14853	0.068286	0.14063	0.057024	0.2187
2.29E-16	0.146847	0.00146	0.266106	5.19E-09	0.319471	1.53E-12	0.244433	8.82E-08
0.7308	0.070257	0.1295	-0.03819	0.41032	0.00395	0.93216	0.25408	2.58E-08
0.12015	0.183133	6.87E-05	0.074034	0.11009	0.063887	0.1681	0.130362	0.00478
0.00037	0.279219	8.23E-10	0.283325	4.53E-10	0.277462	1.06E-09	0.339769	4.40E-14
0.0001	0.15663	0.00068	-0.00655	0.8877	0.11908	0.01001	0.326626	4.52E-13
0.00133	-0.30246	2.46E-11	-0.28588	3.11E-10	-0.26903	3.48E-09	-0.03546	0.44453
0.13697	-0.05374	0.24643	-0.07002	0.13082	-0.09225	0.04633	0.06959	0.13319
8.06E-12	0.186951	4.80E-05	0.092898	0.0448	0.180102	9.09E-05	0.233317	3.41E-07
0.5652	-0.06871	0.13819	-0.03804	0.41213	-0.01693	0.71521	-0.07659	0.09831
0.23278	-0.30897	8.69E-12	-0.06716	0.1473	-0.09254	0.04563	-0.14413	0.00179
6.48E-05	-0.15896	0.00057	-0.0356	0.44281	-0.15611	0.00071	-0.13868	0.00267
0.27141	0.050658	0.27461	-0.13985	0.00245	-0.08047	0.08237	0.290428	1.58E-10
0.00015	-0.24208	1.18E-07	-0.18797	4.36E-05	-0.24155	1.26E-07	0.141632	0.00216
1.46E-06	-0.1703	0.00022	-0.18585	5.33E-05	-0.24219	1.17E-07	0.276368	1.24E-09
0.00403	0.000451	0.99224	-0.13066	0.00468	-0.11676	0.01157	0.14681	0.00147
0.35873	0.027648	0.55118	-0.00138	0.97619	0.041798	0.36747	0.133175	0.00394
0.46379	-0.16975	0.00023	0.017617	0.70415	-0.02033	0.66122	0.220055	1.57E-06
0.94746	-0.01944	0.67516	0.053908	0.24496	0.040479	0.38279	-0.02156	0.64217
0.02776	0.0608	0.18965	0.114215	0.01352	0.092936	0.04471	-0.01192	0.79723
0.00069	-0.07234	0.11851	0.074037	0.11007	0.104308	0.02418	0.003739	0.93577

2.78E-06	-0.12321	0.00768	0.102812	0.0263	0.11663	0.01166	0.335212	1.00E-13
0.10741	-0.09605	0.038	-0.197	1.80E-05	-0.10607	0.02188	-0.01696	0.71478
0.68593	0.075259	0.10431	-0.02381	0.60779	-0.03997	0.38876	0.269493	3.26E-09
9.96E-05	0.085338	0.06539	0.028425	0.54004	-0.04277	0.35646	0.09576	0.03858
0.18755	0.188993	3.95E-05	0.128178	0.00554	0.119597	0.00968	0.041416	0.37186
0.25634	0.220946	1.42E-06	-0.20683	6.59E-06	-0.01149	0.80443	-0.01822	0.6946
0.00095	-0.15119	0.00105	-0.14418	0.00179	-0.04228	0.36193	-0.0813	0.07926
0.4898	0.020743	0.65479	-0.03858	0.40553	-0.02274	0.62406	-0.02942	0.52601
0.19676	-0.00577	0.90095	0.040659	0.38067	-0.00326	0.94398	0.029564	0.52393
0.04597	-0.1217	0.00847	-0.01039	0.82273	0.014785	0.74998	0.039069	0.3996
0.39006	-0.00947	0.83821	0.035257	0.4472	0.019597	0.67273	-0.00055	0.99046
1.27E-06	-0.09986	0.03096	-0.2667	4.79E-09	-0.24092	1.36E-07	0.089105	0.05432
5.67E-05	0.025178	0.58731	0.045552	0.32597	0.098108	0.03404	0.053714	0.24666
0.01076	-0.13727	0.00295	-0.25116	3.76E-08	-0.1929	2.71E-05	-0.18287	7.04E-05
0.00878	-0.1718	0.00019	-0.06421	0.16597	0.012012	0.79572	0.044725	0.33484
0.01495	0.124783	0.00694	0.106203	0.02171	0.118124	0.01063	0.078125	0.09173
0.03956	-0.12441	0.00711	-0.16132	0.00047	-0.16615	0.00031	-0.12243	0.00808
0.83503	-0.10827	0.01926	-0.10906	0.01839	-0.08688	0.06067	-0.14611	0.00155
0.10788	0.008447	0.85554	0.051695	0.26489	0.093426	0.0436	0.087638	0.05843
0.91544	-0.01753	0.70556	0.05598	0.22726	0.038364	0.40816	0.183534	6.62E-05
0.44748	-0.00888	0.84816	0.071767	0.12144	0.056776	0.22071	0.115815	0.01226
3.78E-10	0.287102	2.59E-10	0.190927	3.28E-05	0.284121	4.03E-10	0.334392	1.16E-13
0.83227	-0.00649	0.88867	0.018454	0.6908	-0.00623	0.89321	0.03413	0.46186
0.03361	-0.25496	2.30E-08	0.028264	0.54234	-0.12368	0.00745	-0.10931	0.01813
1.36E-07	-0.09732	0.03551	0.071032	0.12532	0.12522	0.00674	0.161894	0.00044
0.01284	-0.06333	0.17187	0.048038	0.30024	0.079412	0.08649	0.072091	0.11977
3.54E-09	-0.11482	0.01303	-0.18079	8.53E-05	-0.22717	7.01E-07	-0.02897	0.53234
5.11E-05	-0.17619	0.00013	-0.18563	5.44E-05	-0.21017	4.63E-06	-0.10222	0.02719
0.16856	0.014488	0.75483	-0.00109	0.98131	-0.00409	0.92976	0.043788	0.34508
0.00151	0.017191	0.71098	0.101819	0.0278	0.115767	0.0123	0.349284	7.60E-15
0.10648	-0.08645	0.06194	-0.13047	0.00474	-0.11169	0.01575	-0.03059	0.50968
0.08758	-0.01354	0.77043	0.012134	0.79368	0.030077	0.51674	0.275269	1.45E-09
0.0746	-0.10516	0.02305	0.004611	0.92084	-0.01413	0.76077	0.065202	0.1595
0.46877	-0.08936	0.05363	-0.05976	0.19735	-0.09831	0.03368	0.130757	0.00465
1.40E-07	-0.09738	0.03539	-0.24225	1.16E-07	-0.25371	2.71E-08	-0.11718	0.01127
2.07E-12	0.403996	9.23E-20	0.375961	3.98E-17	0.394859	7.11E-19	0.350289	6.29E-15
0.00019	0.288773	2.02E-10	0.327373	3.97E-13	0.302102	2.60E-11	0.313604	4.07E-12
0.28302	-0.06474	0.16247	-0.11728	0.0112	-0.07067	0.12726	-0.10098	0.02911
0.18822	-0.27957	7.83E-10	-0.16397	0.00037	-0.15857	0.00058	-0.11769	0.01092
0.4126	0.063277	0.17221	-0.2732	1.94E-09	-0.13105	0.00456	0.014642	0.75231
0.01136	-0.11396	0.01373	-0.09659	0.03692	-0.12345	0.00757	-0.11547	0.01253
0.65326	0.174984	0.00014	-0.12156	0.00855	-0.02098	0.65114	0.226652	7.44E-07
0.00525	-0.04953	0.28542	-0.29467	8.27E-11	-0.19205	2.94E-05	0.089177	0.05413
0.63534	0.12975	0.00498	0.083973	0.06983	0.048563	0.29498	0.208605	5.47E-06
0.00359	0.003781	0.93506	0.1707	0.00021	0.131506	0.00442	0.127588	0.00576

0.4927	-0.09565	0.03882	0.006419	0.88997	-0.04635	0.31758	0.010362	0.82328
0.39342	-0.10485	0.02345	0.003556	0.93892	-0.05076	0.27365	0.007112	0.87818
3.85E-10	0.130349	0.00478	0.313763	3.97E-12	0.314517	3.50E-12	-0.05156	0.26612
0.41497	6.68E-05	0.99885	-0.02436	0.59945	0.011529	0.80376	-0.01926	0.67804
0.0524	-0.0711	0.12493	-0.07477	0.1066	-0.10337	0.02549	-0.02595	0.57584
0.69467	-0.27171	2.39E-09	-0.12279	0.0079	-0.11205	0.01541	0.029215	0.52883
0.00017	-0.19061	3.38E-05	-0.03652	0.43106	-0.02363	0.61054	-0.00036	0.99377
0.13625	-0.10184	0.02777	0.05456	0.23929	0.064086	0.16678	-0.00698	0.88034
0.19945	-0.15713	0.00066	-0.04524	0.32926	-0.06517	0.15969	-0.03905	0.39978
0.23109	-0.00794	0.86418	-0.0398	0.39088	-0.0357	0.44156	-0.03838	0.40792
0.00235	-0.0074	0.87326	-0.10994	0.01747	-0.09731	0.03554	0.291919	1.26E-10
0.26939	-0.15302	0.00091	-0.09414	0.042	-0.11043	0.01697	-0.11508	0.01283
0.28414	0.047655	0.30412	0.062268	0.17917	0.045465	0.3269	0.014448	0.75549
0.8004	-0.11377	0.01389	-0.05229	0.25944	-0.05937	0.20034	-0.08915	0.0542
5.96E-13	0.402357	1.34E-19	0.357037	1.74E-15	0.455436	2.71E-25	0.204561	8.35E-06
5.86E-07	-0.12157	0.00854	-0.16659	0.0003	-0.22242	1.21E-06	-0.23621	2.41E-07
0.19497	0.148176	0.00132	-0.12491	0.00688	-0.07568	0.10236	0.131148	0.00453
0.02006	-0.21298	3.42E-06	0.005812	0.90031	-0.01172	0.80051	-0.14766	0.00137
6.08E-05	-0.04908	0.28982	-0.1852	5.67E-05	-0.16762	0.00027	-0.222	1.26E-06
1.25E-21	0.155395	0.00075	0.313311	4.28E-12	0.378185	2.51E-17	0.266226	5.11E-09
0.10785	0.499699	7.22E-31	0.213199	3.34E-06	0.248311	5.42E-08	-0.00282	0.95146
0.28104	-0.06453	0.16385	0.026649	0.56566	0.022699	0.62464	0.03662	0.42981
0.02544	0.064587	0.16348	0.398183	3.41E-19	0.216536	2.32E-06	-0.0303	0.51363
0.34757	0.208319	5.63E-06	0.038163	0.41062	0.098733	0.03291	0.19426	2.37E-05
0.0002	-0.04036	0.38415	-0.20621	7.03E-06	-0.18767	4.48E-05	0.12656	0.00617
5.37E-05	0.08554	0.06475	0.190099	3.55E-05	0.182098	7.57E-05	-0.03284	0.47894
0.01944	0.00083	0.98573	0.249641	4.57E-08	0.154941	0.00078	-0.05902	0.20299
0.88702	0.358609	1.28E-15	0.323889	7.24E-13	0.220286	1.53E-06	-0.05167	0.26514
0.57489	-0.27165	2.41E-09	-0.10322	0.02571	-0.14282	0.00198	-0.15869	0.00058
0.03767	-0.19892	1.49E-05	-0.06971	0.13249	-0.14031	0.00237	-0.08631	0.06238
2.98E-07	-0.0662	0.15319	-0.09814	0.03398	-0.17279	0.00018	-0.23722	2.14E-07
8.63E-18	0.37836	2.42E-17	0.335179	1.01E-13	0.426908	4.15E-22	0.186174	5.17E-05
0.00071	0.30073	3.23E-11	0.135239	0.00341	0.178776	0.0001	-0.15969	0.00053
0.50879	0.032458	0.48409	0.022651	0.62538	0.014281	0.75822	0.016866	0.71621
0.92046	0.033319	0.47258	-0.00543	0.90686	0.01878	0.68564	0.024289	0.60058
0.34618	0.099194	0.0321	0.098965	0.0325	0.070674	0.12724	0.406917	4.74E-20
0.20031	-0.04378	0.34511	-0.00836	0.85696	-0.04499	0.33198	-0.00534	0.90829
0.20794	-0.01843	0.69114	-0.00171	0.97068	-0.02858	0.53784	-0.03247	0.48399
0.334	0.019244	0.67829	0.050819	0.27309	0.007751	0.86733	0.049104	0.28963
0.02047	-0.0538	0.24589	-0.07458	0.10747	-0.10107	0.02897	-0.06261	0.17682
0.19164	-0.06828	0.14067	-0.0457	0.32436	-0.06218	0.17977	0.019922	0.66763
0.40956	-0.02406	0.60406	-0.0098	0.83271	0.009277	0.84153	0.017535	0.70547
0.27356	-0.03581	0.44013	-0.04368	0.34627	-0.05151	0.26664	-0.0109	0.81428
0.1084	0.000956	0.98356	0.087629	0.05846	0.054548	0.23939	0.032655	0.48145
1.29E-05	0.019022	0.68181	0.247469	6.03E-08	0.201677	1.12E-05	0.05482	0.23705

0.05839	-0.09856	0.03323	-0.08307	0.07291	-0.11508	0.01283	0.007197	0.87674
0.54119	-0.04265	0.35777	-0.03258	0.48246	-0.00727	0.87549	0.010657	0.81834
0.01424	0.112012	0.01545	0.039726	0.39171	0.010068	0.82821	0.286667	2.77E-10
0.04495	-0.00067	0.98844	-0.0081	0.86146	-0.04121	0.37423	0.100711	0.02955
3.28E-09	0.347106	1.14E-14	0.232757	3.65E-07	0.315282	3.09E-12	0.376408	3.63E-17
0.01045	0.119455	0.00977	-0.08813	0.05702	-0.00683	0.88294	-0.0625	0.17753
2.40E-07	-0.07828	0.09108	-0.09196	0.047	0.053917	0.24488	0.082943	0.07334
0.4203	0.092359	0.04606	0.048814	0.29248	0.033632	0.46841	0.137337	0.00294
2.62E-07	0.073377	0.11329	0.215689	2.55E-06	0.187538	4.54E-05	0.136377	0.00315
8.02E-09	0.158591	0.00058	-0.02876	0.53527	0.127564	0.00577	0.048464	0.29596
0.04781	0.080615	0.08181	-0.04311	0.35257	-0.03815	0.41075	0.132994	0.00399
0.07421	-0.20785	5.92E-06	-0.1381	0.00278	-0.16295	0.00041	-0.13799	0.00281
0.27343	-0.15393	0.00085	-0.0901	0.05167	-0.05743	0.21543	0.011625	0.80216
4.23E-15	0.350003	6.64E-15	0.102296	0.02707	0.27113	2.59E-09	0.270138	2.98E-09
0.00022	0.142232	0.00206	0.019414	0.67561	0.090568	0.05047	0.19341	2.57E-05
3.20E-13	0.128921	0.00527	0.349202	7.72E-15	0.336705	7.65E-14	0.149863	0.00116
0.00141	0.451551	7.67E-25	0.326136	4.92E-13	0.273862	1.77E-09	-0.04254	0.35897
9.42E-14	0.316639	2.46E-12	0.289503	1.81E-10	0.361371	7.48E-16	0.193856	2.46E-05
0.00037	0.168462	0.00026	0.168619	0.00025	0.20715	6.37E-06	-0.06242	0.17813
0.03593	0.212253	3.70E-06	-0.02445	0.59814	-0.03024	0.51453	-0.01712	0.7122
0.13781	-0.00026	0.9956	-0.07827	0.09112	-0.06993	0.13129	0.110676	0.01673
0.00532	0.410868	1.90E-20	0.145533	0.00161	0.19743	1.73E-05	0.231337	4.31E-07
0.0178	-0.16353	0.00039	-0.19678	1.84E-05	-0.19269	2.76E-05	0.107549	0.02009
0.00578	-0.07081	0.12652	-0.14196	0.0021	-0.13132	0.00448	-0.06962	0.13302
0.00012	-0.41021	2.22E-20	-0.27968	7.71E-10	-0.32355	7.67E-13	-0.31281	4.65E-12
0.00097	0.076327	0.09947	0.077236	0.09549	0.140961	0.00226	-0.15545	0.00075
0.02606	-0.1989	1.49E-05	-0.15362	0.00087	-0.16384	0.00038	0.029171	0.52946
0.00106	-0.12474	0.00695	-0.16296	0.00041	-0.15069	0.00109	-0.23428	3.04E-07
6.03E-05	0.17295	0.00017	0.241908	1.21E-07	0.2359	2.51E-07	-0.00721	0.87659
0.00041	0.315698	2.88E-12	0.243543	9.86E-08	0.251437	3.63E-08	0.423848	8.75E-22
0.02131	-0.14977	0.00117	-0.14474	0.00171	-0.16013	0.00051	-0.031	0.50401
0.01775	-0.07107	0.1251	-0.0843	0.06874	-0.09761	0.03496	-0.14909	0.00123
7.21E-07	-0.20552	7.56E-06	0.073491	0.11273	0.099374	0.03179	0.029554	0.52407
0.07744	-0.03101	0.50378	-0.00779	0.86674	0.030489	0.51102	0.038323	0.40867
0.92522	-0.06688	0.14903	-0.03439	0.45849	-0.03159	0.49581	-0.20113	1.19E-05
3.33E-09	-0.00042	0.99278	0.124568	0.00703	0.19766	1.69E-05	-0.16334	0.00039
5.33E-06	-0.00923	0.8423	0.250751	3.97E-08	0.231712	4.13E-07	-0.14399	0.00181
0.56286	0.037185	0.42273	0.022984	0.6203	0.055914	0.22781	-0.26442	6.53E-09
0.55553	0.041785	0.36761	0.020958	0.65146	0.064851	0.16177	-0.25662	1.85E-08
3.26E-05	-0.11652	0.01174	0.114062	0.01365	0.114959	0.01292	0.017339	0.70861
0.47528	0.216845	2.25E-06	0.060623	0.19095	0.096445	0.03721	0.249251	4.81E-08
0.88682	0.114281	0.01347	0.019427	0.67541	0.053059	0.25248	0.24847	5.31E-08
3.40E-06	-0.02742	0.55449	0.086585	0.06154	0.11745	0.01108	0.245305	7.91E-08
0.69726	0.005617	0.90365	0.071089	0.12501	0.046694	0.31398	-0.12907	0.00521
1.27E-10	-0.42925	2.33E-22	-0.31811	1.93E-12	-0.39237	1.22E-18	-0.26206	8.99E-09



0.0001	0.014521	0.75429	0.227428	6.81E-07	0.214417	2.93E-06	0.281784	5.68E-10
0.00046	-0.18389	6.41E-05	0.0289	0.5333	0.040429	0.38338	0.10235	0.02699
0.00021	0.027672	0.55083	0.102396	0.02692	0.124382	0.00712	0.062053	0.18067
1.22E-06	-0.05413	0.24306	0.080874	0.08083	0.108945	0.01852	0.090924	0.04957
0.12391	-0.07614	0.10032	-0.01922	0.6787	-0.07865	0.08955	0.125	0.00684
0.00074	0.294203	8.88E-11	0.293352	1.01E-10	0.27546	1.41E-09	0.081543	0.07834
0.3673	-0.04609	0.32023	-0.00389	0.93311	0.009594	0.83618	0.031795	0.49307
0.81973	-0.06507	0.16037	-0.03893	0.40133	0.004489	0.92293	-0.06819	0.14117
0.00256	-0.11067	0.01673	-0.12598	0.00641	-0.14356	0.00187	-0.14731	0.00141
0.00417	0.24375	9.61E-08	0.041997	0.36518	0.114301	0.01345	0.348834	8.27E-15
5.25E-07	-0.01329	0.77459	-0.05007	0.28019	0.112154	0.01532	-0.17511	0.00014
0.17044	-0.02291	0.62145	-0.17604	0.00013	-0.11646	0.01179	0.124011	0.00729
0.8818	-0.19604	1.98E-05	-0.20864	5.45E-06	-0.15814	0.0006	0.086421	0.06203
0.02882	0.01744	0.70699	0.083891	0.0701	0.063565	0.17027	0.133024	0.00398
1.08E-07	0.27861	8.99E-10	0.251857	3.44E-08	0.229451	5.38E-07	0.184918	5.82E-05
0.00175	0.154067	0.00084	0.196708	1.86E-05	0.031779	0.49329	-0.03179	0.49315
6.04E-11	-0.17072	0.00021	-0.15654	0.00069	-0.24129	1.30E-07	-0.18258	7.23E-05
9.48E-05	0.074184	0.10937	0.125472	0.00663	0.018838	0.68471	0.06835	0.14026
0.52042	-0.06311	0.17335	0.043129	0.35239	-0.00675	0.88438	-0.00961	0.83599
0.00023	0.290148	1.64E-10	0.438958	2.04E-23	0.307891	1.03E-11	0.084859	0.06692
0.00091	0.101324	0.02857	0.110945	0.01646	0.166178	0.00031	0.039138	0.39876
0.18255	-0.13918	0.00258	-0.10859	0.01891	-0.11569	0.01236	-0.04486	0.33334
0.00022	0.070821	0.12645	0.20577	7.36E-06	0.178201	0.00011	-0.10393	0.0247
0.04091	-0.14472	0.00172	-0.15342	0.00088	-0.06049	0.19195	-0.20271	1.01E-05
1.31E-11	0.049529	0.28547	-0.23405	3.13E-07	-0.21692	2.23E-06	0.149034	0.00124
0.51323	-0.19424	2.37E-05	-0.20963	4.90E-06	-0.16237	0.00043	0.012588	0.78615
0.00736	-0.29947	3.94E-11	-0.08081	0.08108	-0.07263	0.11702	-0.02571	0.57945
0.32418	-0.0093	0.84114	-0.26528	5.81E-09	-0.08535	0.06534	0.023237	0.61646
0.04562	0.057939	0.21138	-0.07216	0.1194	-0.00205	0.9647	0.108813	0.01866
0.87339	-0.35126	5.24E-15	-0.14122	0.00222	-0.17146	0.0002	-0.12796	0.00562
5.04E-05	0.045995	0.32128	0.112062	0.0154	0.13645	0.00313	0.320793	1.23E-12
0.01011	-0.15086	0.00108	-0.0686	0.13881	-0.15088	0.00107	0.05497	0.23577
0.15514	-0.06081	0.18958	0.028013	0.54594	0.007962	0.86376	-0.03305	0.47619
0.00246	-0.12161	0.00852	-0.18946	3.78E-05	-0.18653	5.00E-05	0.051039	0.27101
0.52357	-0.03436	0.45879	0.092187	0.04647	0.050167	0.2793	0.05709	0.21817
0.44332	0.093999	0.04232	0.126482	0.0062	0.115213	0.01272	-0.14325	0.00191
0.6188	-0.04486	0.33336	-0.01821	0.69476	-0.03793	0.4135	0.023149	0.61779
0.33661	-0.13415	0.00368	0.047984	0.30078	0.006114	0.89516	0.009091	0.84467
0.45537	0.014457	0.75535	0.029613	0.52323	0.039683	0.39223	0.002515	0.95677
0.13198	-0.14608	0.00155	-0.06989	0.13151	-0.0993	0.03191	-0.15413	0.00083
0.04464	-0.11308	0.01449	0.031057	0.50317	0.038439	0.40724	-0.16664	0.0003
0.00134	0.010952	0.81339	0.150342	0.00112	0.119384	0.00982	0.175565	0.00014
0.00065	-0.11163	0.01581	-0.13748	0.00291	-0.16706	0.00029	-0.16748	0.00028
0.63261	-0.08292	0.07342	-0.12661	0.00615	-0.06944	0.13403	-0.17038	0.00022
0.10672	-0.07215	0.11946	-0.013	0.77926	0.021565	0.64205	0.006753	0.88428

0.61602	0.013835	0.76556	0.005409	0.90719	-0.00727	0.87544	-0.10195	0.02759
0.30541	-0.05043	0.27675	-0.05373	0.24652	-0.05595	0.22752	-0.03326	0.47341
0.29471	-0.08591	0.06361	-0.02549	0.58268	-0.00659	0.88707	0.031516	0.49687
0.98618	-0.28084	6.51E-10	-0.08959	0.05301	-0.09707	0.03599	-0.01017	0.82655
0.00451	-0.1961	1.97E-05	0.049638	0.28441	0.042041	0.36469	0.062151	0.17999
2.82E-11	0.200153	1.31E-05	0.370437	1.23E-16	0.311901	5.39E-12	-0.04414	0.34125
0.62659	0.037533	0.4184	-0.03279	0.47969	0.034708	0.4543	0.040853	0.37841
0.26701	-0.01135	0.80683	-0.04962	0.28462	-0.03128	0.50009	-0.21891	1.79E-06
0.19604	-0.19014	3.54E-05	-0.2065	6.82E-06	-0.12879	0.00531	0.189521	3.76E-05
0.27626	0.113503	0.01412	0.11879	0.01019	0.099569	0.03145	-0.04912	0.28949
0.01133	-0.04132	0.37296	-0.16611	0.00031	-0.1733	0.00017	0.332761	1.55E-13
0.02454	-0.00695	0.88098	0.075166	0.10474	0.064136	0.16645	0.013881	0.76481
1.56E-06	-0.10797	0.0196	0.123593	0.0075	0.159191	0.00055	-0.1482	0.00132
0.23214	-0.08223	0.07587	0.028304	0.54177	0.02236	0.62982	-0.01068	0.81799
8.55E-06	-0.19147	3.11E-05	-0.18113	8.27E-05	-0.26008	1.17E-08	-0.19661	1.87E-05
0.65499	-0.00757	0.87037	0.020377	0.6605	0.020257	0.66238	0.06457	0.1636
0.00682	0.014421	0.75594	0.250494	4.10E-08	0.140596	0.00232	0.140825	0.00229
0.03462	0.178649	0.0001	-0.10952	0.01791	-0.05585	0.22838	0.22986	5.13E-07
4.33E-08	0.034475	0.45734	-0.09002	0.05187	-0.16091	0.00048	0.098375	0.03356
0.30099	0.153415	0.00088	-0.12018	0.00933	-0.01234	0.79032	0.170293	0.00022
0.00175	-0.16209	0.00044	-0.16448	0.00036	-0.17565	0.00014	0.11679	0.01155
0.01119	0.07595	0.10116	0.060381	0.19273	0.07682	0.0973	0.063506	0.17066
6.77E-15	0.18135	8.11E-05	0.231549	4.21E-07	0.338321	5.72E-14	0.312893	4.58E-12
1.05E-09	0.307574	1.09E-11	0.130853	0.00462	0.248382	5.37E-08	0.032378	0.48518
0.39075	0.138193	0.00276	-0.13616	0.0032	0.001056	0.98185	0.262414	8.57E-09
2.63E-05	-0.02924	0.52844	0.015001	0.74645	0.073955	0.11047	0.008163	0.86035
0.82127	-0.21035	4.54E-06	-0.14237	0.00204	-0.11237	0.01512	0.074994	0.10554
1.56E-06	0.073822	0.11111	0.142816	0.00198	0.147703	0.00137	-0.01793	0.69919
5.49E-08	0.143619	0.00186	0.160912	0.00048	0.202406	1.04E-05	0.148837	0.00126
0.35838	-0.20707	6.43E-06	-0.09493	0.04031	-0.11511	0.0128	0.000234	0.99597
7.73E-05	0.043809	0.34484	0.074382	0.10842	0.159116	0.00056	0.285306	3.39E-10
0.001	-0.04595	0.3218	0.092168	0.04652	0.093897	0.04254	-0.03242	0.48466
0.00545	-0.10733	0.02035	-0.13824	0.00275	-0.14923	0.00122	-0.2097	4.87E-06
0.00016	0.002951	0.94928	0.051558	0.26617	0.088037	0.05729	-0.02778	0.54926
0.15073	-0.03732	0.42101	0.009488	0.83797	0.004821	0.91725	0.146333	0.00152
4.01E-05	-0.18071	8.60E-05	-0.0727	0.11668	0.039084	0.39941	-0.03473	0.45404
0.14516	-0.31668	2.45E-12	-0.28317	4.64E-10	-0.24776	5.81E-08	-0.16213	0.00044
0.05444	-0.13763	0.00288	-0.12112	0.00879	-0.07247	0.11783	-0.20224	1.06E-05
0.00302	-0.00293	0.94972	-0.11498	0.01291	0.016557	0.7212	-0.08565	0.06442
0.62287	-0.17109	0.0002	-0.14902	0.00124	-0.1535	0.00087	0.049253	0.28816
0.01209	-0.26797	4.02E-09	-0.0295	0.52488	-0.02949	0.52493	0.175173	0.00014
0.00016	-0.33194	1.79E-13	-0.28514	3.47E-10	-0.2654	5.72E-09	-0.31552	2.97E-12
9.74E-11	-0.16654	0.0003	-0.33907	5.00E-14	-0.31817	1.91E-12	-0.1361	0.00321
0.80846	-0.05057	0.27549	0.000796	0.98632	-0.02686	0.5626	-0.0165	0.72219
0.11757	-0.25729	1.70E-08	-0.3773	3.02E-17	-0.25337	2.83E-08	-0.07759	0.09398

0.00017	0.058249	0.20895	-0.23201	3.98E-07	-0.15186	0.00099	0.100366	0.03011
0.09485	-0.01498	0.74676	-0.01797	0.69854	-0.0382	0.41015	-0.00651	0.8884
4.22E-06	0.065404	0.15821	-0.05683	0.22029	-0.1291	0.0052	-0.01034	0.82363
0.74037	0.016523	0.72173	0.125467	0.00663	0.049858	0.28227	-0.04865	0.29414
6.86E-12	-0.32939	2.79E-13	-0.2685	3.74E-09	-0.33079	2.19E-13	-0.40113	1.76E-19
0.06427	0.26384	7.07E-09	0.298338	4.70E-11	0.237371	2.10E-07	0.085275	0.06559
4.45E-13	0.496169	2.16E-30	0.277887	9.97E-10	0.40317	1.11E-19	0.254005	2.61E-08
0.56586	0.085563	0.06468	-0.02552	0.58223	0.038792	0.40294	-0.16487	0.00035
0.00013	-0.10019	0.03041	-0.13261	0.0041	-0.17562	0.00014	-0.16854	0.00025
0.20193	-0.02994	0.5186	0.023689	0.60961	0.041848	0.36689	-0.10611	0.02182
0.42741	-0.04101	0.37655	0.001369	0.97647	-0.01779	0.70135	-0.10045	0.02998
0.00783	-0.2702	2.95E-09	-0.2576	1.63E-08	-0.13254	0.00411	0.157017	0.00066
0.51373	0.150286	0.00112	0.05631	0.22453	0.05545	0.2317	0.270432	2.86E-09
0.00909	-0.13074	0.00466	-0.02264	0.62551	-0.00252	0.95676	0.072479	0.11779
0.71524	0.015833	0.73291	0.110378	0.01702	0.006751	0.88431	0.041513	0.37075
0.8197	-0.32401	7.09E-13	-0.10351	0.0253	-0.12279	0.00789	-0.2004	1.28E-05
2.71E-06	-0.14465	0.00172	0.139821	0.00246	0.141025	0.00225	0.019312	0.67722
0.01662	-0.31746	2.15E-12	-0.13838	0.00273	-0.19774	1.67E-05	-0.40416	8.90E-20
0.78655	-0.11149	0.01594	-0.06534	0.15859	-0.07371	0.11165	-0.03883	0.40247
0.30188	0.163325	0.00039	0.227178	7.01E-07	0.135781	0.00328	0.035189	0.44806
0.03308	0.268463	3.76E-09	0.323265	8.05E-13	0.139676	0.00248	-0.00787	0.86527
0.00036	0.22201	1.26E-06	0.256426	1.90E-08	0.286558	2.81E-10	0.117785	0.01085
5.25E-06	0.054394	0.24072	0.132623	0.00409	0.151972	0.00099	0.11603	0.0121
0.17009	0.000714	0.98773	-0.02059	0.65714	-0.02299	0.62023	-0.20024	1.30E-05
5.92E-06	0.261553	9.62E-09	0.171476	0.0002	0.239441	1.63E-07	0.450808	9.35E-25
3.28E-06	0.303144	2.21E-11	0.115647	0.01239	0.220291	1.53E-06	-0.02598	0.57545
0.95079	0.038971	0.40078	-0.04011	0.38713	0.012189	0.79277	0.216174	2.42E-06
0.00784	0.008001	0.86309	0.041058	0.37602	0.070442	0.12849	-0.01669	0.71911
0.01022	-0.12652	0.00619	-0.17271	0.00018	-0.16386	0.00038	0.048734	0.29328
0.00241	-0.00306	0.94741	0.099659	0.0313	0.098741	0.0329	-0.20251	1.03E-05
0.34382	0.144135	0.00179	0.006541	0.88788	0.028124	0.54434	0.000601	0.98967
0.95038	-0.0152	0.74316	-0.10194	0.0276	-0.05891	0.20385	0.238285	1.88E-07
0.07811	0.126217	0.00631	0.148777	0.00126	0.12394	0.00733	-0.09125	0.04874
0.11853	0.085243	0.06569	0.08766	0.05837	0.073778	0.11133	0.052947	0.25348
6.04E-10	-0.04657	0.31524	0.193843	2.47E-05	0.171839	0.00019	-0.11949	0.00975
1.82E-05	0.193818	2.47E-05	0.147793	0.00136	0.192389	2.84E-05	0.068121	0.1416
4.04E-06	0.020834	0.65339	-0.13827	0.00275	-0.14975	0.00117	0.053103	0.25209
0.75088	-0.07341	0.11311	-0.06024	0.19381	-0.04063	0.38098	0.021463	0.64362
0.16634	-0.07729	0.09527	0.028202	0.54323	-0.01671	0.71872	-0.07831	0.09095
0.00174	0.303428	2.11E-11	0.188287	4.23E-05	0.226222	7.82E-07	0.32447	6.55E-13
0.93043	-0.32545	5.54E-13	-0.20124	1.18E-05	-0.16766	0.00027	0.050208	0.2789
0.00063	-0.01592	0.73149	0.042117	0.36381	0.024877	0.59179	0.088043	0.05727
0.23935	-0.09476	0.04066	-0.25142	3.64E-08	-0.09231	0.04618	0.162551	0.00042
0.00332	0.059394	0.20012	0.118122	0.01063	0.096365	0.03737	0.077129	0.09596
0.35678	-0.27202	2.29E-09	-0.18051	8.76E-05	-0.18597	5.27E-05	-0.16519	0.00034

0.027	0.127075	0.00596	0.048253	0.29807	0.093085	0.04437	0.114502	0.01329
0.31602	0.097111	0.03591	-0.16662	0.0003	-0.0607	0.1904	-0.14474	0.00171
0.00387	-0.08034	0.08285	-0.01822	0.69446	0.057964	0.21119	0.15219	0.00097
0.11504	-0.27273	2.08E-09	-0.0462	0.3191	-0.10149	0.02831	0.086489	0.06183
0.00029	-0.01188	0.79789	0.110988	0.01642	0.11403	0.01368	0.150265	0.00113
3.65E-14	-0.19514	2.17E-05	-0.13484	0.00351	-0.01165	0.80176	0.327552	3.85E-13
0.45491	0.119709	0.00962	0.047694	0.30372	0.07018	0.12992	0.278809	8.73E-10
0.11667	-0.12944	0.00508	-0.08211	0.0763	-0.10883	0.01864	0.005436	0.90674
0.00043	-0.08758	0.05861	-0.03041	0.51209	-0.07564	0.10255	-0.05488	0.23651
0.0046	0.006529	0.8881	0.088136	0.05701	0.081673	0.07787	-0.00627	0.89246
2.71E-07	-0.04937	0.28697	0.047784	0.3028	0.118178	0.01059	0.398193	3.40E-19
0.36525	-0.13807	0.00279	-0.12354	0.00752	-0.12192	0.00835	0.077956	0.09243
0.12302	-0.14054	0.00233	-0.12051	0.00914	-0.10835	0.01918	-0.07406	0.10998
0.09371	0.220445	1.51E-06	0.135089	0.00345	0.174591	0.00015	0.279793	7.58E-10
7.44E-08	-0.23294	3.57E-07	-0.22128	1.37E-06	-0.31024	7.07E-12	-0.284	4.10E-10
0.66261	-0.12567	0.00654	-0.02007	0.66536	-0.03317	0.47462	0.028836	0.5342
0.48373	-0.20091	1.22E-05	-0.01681	0.71719	-0.04083	0.37866	-0.16107	0.00048
0.00065	-0.06291	0.17475	0.031429	0.49806	0.068689	0.1383	0.076467	0.09885
0.9286	-0.09618	0.03774	-0.00549	0.90587	-0.02515	0.58766	-0.11514	0.01278
0.00899	-0.15825	0.0006	-0.05729	0.21659	-0.06557	0.15715	-0.05069	0.2743
0.32315	0.049344	0.28727	0.034924	0.4515	0.014741	0.7507	0.01188	0.79792
2.02E-09	-0.04638	0.31728	-0.27669	1.18E-09	-0.24093	1.36E-07	-0.04895	0.29119
0.02224	-0.10366	0.02508	-0.08041	0.08261	-0.12048	0.00916	0.260029	1.18E-08
1.27E-05	0.387134	3.80E-18	0.084242	0.06894	0.21517	2.70E-06	0.091771	0.04747
0.86768	0.075658	0.10248	-0.02455	0.59674	0.001806	0.96896	-0.14707	0.00144
0.0012	-0.15425	0.00082	0.086993	0.06032	0.061077	0.18764	0.13611	0.00321
3.69E-15	0.209544	4.95E-06	0.059555	0.1989	0.235235	2.72E-07	0.074707	0.10688
7.08E-05	-0.0096	0.83616	0.161866	0.00045	0.149149	0.00123	0.166216	0.00031
0.0025	0.033055	0.4761	0.063725	0.16919	-0.04471	0.33501	-0.22948	5.36E-07
0.93718	0.285169	3.46E-10	-0.07738	0.09486	0.033049	0.47618	-0.02684	0.56294
0.54058	0.019858	0.66863	-0.04092	0.37757	-0.02891	0.53309	0.055802	0.22874
0.13195	-0.28644	2.86E-10	-0.09413	0.04203	-0.07276	0.11635	-0.06349	0.17076
4.45E-06	-0.10871	0.01877	-0.20776	5.98E-06	-0.18893	3.97E-05	-0.21125	4.13E-06
0.20531	0.107995	0.01958	0.195939	2.01E-05	0.17924	9.84E-05	0.139642	0.00249
4.70E-10	-0.10679	0.02099	-0.2395	1.62E-07	-0.24478	8.45E-08	0.136567	0.0031
0.00137	0.018458	0.69075	-0.07589	0.10144	-0.11152	0.01591	0.091954	0.04703
0.19264	0.11415	0.01358	0.171337	0.0002	0.138289	0.00275	0.116506	0.01175
0.19558	0.043904	0.34379	0.000513	0.99117	0.052686	0.25584	0.093094	0.04435
0.14601	-0.03864	0.40478	-0.00668	0.88546	-0.05774	0.21299	0.057818	0.21234
6.46E-06	0.389488	2.29E-18	0.251296	3.70E-08	0.302407	2.48E-11	0.421253	1.64E-21
0.90293	-0.02478	0.59318	0.038231	0.40979	0.017592	0.70456	-0.11759	0.01098
0.01981	-0.10371	0.02502	-0.11189	0.01556	-0.12719	0.00592	0.055168	0.23408
0.71546	-0.27821	9.52E-10	-0.07097	0.12563	-0.06687	0.14909	-0.21228	3.69E-06
0.38155	0.055376	0.23233	0.075939	0.10121	0.068964	0.13673	-0.06741	0.14583
4.41E-20	0.020878	0.6527	0.217487	2.09E-06	0.292406	1.17E-10	0.082002	0.07667

0.00046	-7.57E-05	0.9987	0.053845	0.24551	0.070311	0.1292	0.094632	0.04094
2.86E-09	0.241412	1.28E-07	0.250401	4.15E-08	0.267656	4.20E-09	0.108408	0.01911
2.76E-05	0.208036	5.81E-06	0.254016	2.60E-08	0.29177	1.29E-10	0.13781	0.00284
4.12E-08	0.15985	0.00053	0.276306	1.25E-09	0.247288	6.17E-08	-0.05807	0.21038
0.14786	0.003227	0.94456	0.122053	0.00828	0.066144	0.15354	-0.34409	2.00E-14
0.01585	0.120232	0.0093	-0.01725	0.71003	-0.03558	0.44306	0.025052	0.58919
0.64717	-0.26873	3.62E-09	-0.21181	3.88E-06	-0.20899	5.25E-06	-0.00111	0.98084
3.34E-09	0.381367	1.29E-17	0.313855	3.91E-12	0.327739	3.73E-13	0.108046	0.01952
0.85172	0.094257	0.04175	0.034033	0.46312	0.028928	0.53289	-0.12402	0.00729
0.00098	-0.06274	0.17588	-0.04836	0.29705	-0.11965	0.00965	-0.20933	5.06E-06
0.59613	-0.17036	0.00022	-0.07824	0.09126	-0.08005	0.08396	0.006205	0.89362
0.63608	-0.04666	0.31432	-0.04336	0.34983	-0.0051	0.91255	-0.06645	0.15166
4.90E-14	-0.08308	0.07285	0.186745	4.90E-05	0.211385	4.07E-06	0.097409	0.03535
8.95E-14	0.023961	0.60552	0.277002	1.13E-09	0.250178	4.27E-08	0.090176	0.05148
0.54306	-0.30584	1.44E-11	-0.08501	0.06644	-0.10422	0.0243	-0.08329	0.07215
2.22E-15	0.147301	0.00141	0.000106	0.99818	0.139393	0.00254	0.197576	1.70E-05
1.57E-06	-0.31084	6.41E-12	-0.20835	5.61E-06	-0.29997	3.64E-11	0.019661	0.67173
0.33504	0.443257	6.76E-24	0.292642	1.13E-10	0.223552	1.06E-06	0.087984	0.05744
0.53067	-0.15207	0.00098	-0.11946	0.00977	-0.11625	0.01194	-0.06265	0.17648
0.01738	-0.11598	0.01214	-0.06704	0.14803	-0.0878	0.05796	-0.08198	0.07676
0.00212	-0.18733	4.63E-05	-0.13435	0.00363	-0.18615	5.18E-05	-0.1852	5.66E-05
6.72E-05	-0.03745	0.4194	-0.12168	0.00848	-0.15553	0.00074	-0.04578	0.3235
0.00075	0.020466	0.65912	0.078343	0.09082	0.101449	0.02837	0.120225	0.00931
0.76113	-0.03203	0.4899	0.036732	0.42841	0.024684	0.59467	0.038181	0.4104
0.00061	0.394979	6.92E-19	0.123437	0.00757	0.196505	1.90E-05	0.149009	0.00124
0.01418	0.178392	0.00011	0.18933	3.83E-05	0.180436	8.82E-05	0.131326	0.00447
0.02047	-0.1467	0.00148	-0.12872	0.00534	-0.04367	0.34634	0.257602	1.63E-08
0.00039	-0.00498	0.9146	0.007296	0.87505	-0.07799	0.0923	-0.10119	0.02878
0.09095	-0.17358	0.00016	-0.18714	4.71E-05	-0.09529	0.03955	0.037005	0.42498
1.59E-18	0.196706	1.86E-05	0.133093	0.00396	0.300197	3.51E-11	0.270029	3.02E-09
0.10166	0.033236	0.47368	0.170688	0.00021	0.023121	0.61822	-0.00326	0.94395
0.45245	0.014103	0.76115	0.094842	0.04049	0.036576	0.43037	0.084297	0.06875
0.75176	0.193121	2.65E-05	0.042445	0.36008	0.067079	0.1478	0.045191	0.32983
0.36018	0.247411	6.07E-08	0.249351	4.75E-08	0.131399	0.00445	0.086053	0.06316
0.00134	-0.12968	0.005	-0.11078	0.01663	-0.16543	0.00033	-0.23864	1.80E-07
0.00076	-0.09146	0.04824	0.038516	0.40631	0.067843	0.14323	-0.12501	0.00683
0.0621	-0.07666	0.09798	0.030737	0.50758	0.027852	0.54824	-0.10093	0.02919
0.15284	-0.04215	0.36341	0.121298	0.00869	0.078524	0.09008	-0.03785	0.41445
0.43621	0.02775	0.54971	0.267007	4.59E-09	0.170209	0.00022	-0.06543	0.15802
0.26177	-0.23693	2.22E-07	-0.15207	0.00098	-0.14062	0.00232	0.074775	0.10656
1.30E-05	-0.03903	0.40008	0.002006	0.96551	0.095426	0.03927	0.006741	0.88449
6.39E-07	0.059421	0.19992	-0.05002	0.28071	-0.14412	0.00179	-0.09939	0.03177
0.89239	-0.14728	0.00142	0.09165	0.04777	-0.03397	0.46389	0.041398	0.37206
5.15E-12	0.126441	0.00622	0.239909	1.54E-07	0.270212	2.95E-09	0.367009	2.45E-16
0.2623	0.155266	0.00076	0.062637	0.1766	0.098773	0.03284	0.063811	0.16861

0.10136	-0.0595	0.1993	0.041272	0.37353	0.054873	0.2366	0.09978	0.03109
0.00633	-0.48593	4.80E-29	-0.1919	2.98E-05	-0.25112	3.78E-08	-0.17479	0.00015
1.94E-12	-0.21278	3.50E-06	-0.23315	3.48E-07	-0.29739	5.44E-11	-0.28412	4.03E-10
0.41799	-0.00823	0.85926	0.019241	0.67834	-0.01617	0.72747	-0.05429	0.24163
0.16678	-0.0743	0.10883	-0.01451	0.75448	-0.06796	0.14256	-0.01687	0.71623
0.15216	-0.05339	0.24949	-0.02478	0.59319	-0.06079	0.18971	0.037688	0.41648
0.13067	-0.30915	8.44E-12	0.038772	0.40319	-0.00524	0.91002	-0.08598	0.06338
0.20344	0.006688	0.88539	0.011587	0.8028	0.00958	0.83642	-0.04548	0.32675
0.00249	-0.05208	0.26134	0.115664	0.01238	0.1024	0.02691	0.198513	1.55E-05
0.88908	0.127644	0.00574	0.030813	0.50653	0.045412	0.32746	0.316998	2.32E-12
0.79173	0.031109	0.50245	0.034949	0.45117	0.034602	0.45569	-0.24546	7.76E-08
2.43E-18	-0.35934	1.11E-15	-0.38298	9.20E-18	-0.43396	7.22E-23	-0.23091	4.54E-07
0.46904	-0.00413	0.92902	-0.0722	0.1192	0.010851	0.81509	0.107742	0.01987
0.01412	0.031509	0.49697	-0.09244	0.04588	-0.12718	0.00592	-0.13029	0.0048
0.11151	-0.11122	0.01619	-0.10811	0.01944	-0.0675	0.14527	-0.14457	0.00173
1.75E-12	0.0345	0.45701	0.135884	0.00326	0.16054	0.0005	0.044263	0.33986
0.20404	0.143657	0.00186	-0.07534	0.10394	0.007762	0.86714	-0.27116	2.58E-09
1.75E-07	0.447698	2.12E-24	0.149949	0.00115	0.293168	1.04E-10	0.359426	1.09E-15
0.00019	0.105881	0.02211	0.075679	0.10238	0.149276	0.00121	-0.03939	0.39572
3.40E-09	0.087172	0.05979	0.131927	0.00429	0.20947	4.99E-06	0.059346	0.20049
0.04188	0.119062	0.01002	-0.05565	0.23003	0.063355	0.17169	-0.00053	0.99082
0.85903	-0.14468	0.00172	-0.10198	0.02756	-0.03546	0.44453	0.030707	0.508
0.40357	-0.00893	0.84734	0.079347	0.08675	0.045843	0.32289	0.082859	0.07364
0.27822	-0.12011	0.00937	-0.05434	0.24116	-0.0961	0.03789	0.081721	0.07769
1.12E-06	0.042743	0.35673	0.044714	0.33496	0.089846	0.05234	0.295322	7.48E-11
3.09E-06	0.10701	0.02073	0.114183	0.01355	0.159152	0.00056	0.33026	2.40E-13
1.31E-20	0.360531	8.82E-16	0.357579	1.56E-15	0.419374	2.57E-21	0.245237	7.98E-08
5.82E-08	-0.19556	2.08E-05	0.143419	0.00189	0.109707	0.01771	0.141416	0.00219
0.00783	-0.20259	1.02E-05	-0.04876	0.293	-0.14288	0.00197	-0.05406	0.24364
3.71E-08	0.371437	1.00E-16	0.42973	2.07E-22	0.405836	6.07E-20	0.12789	0.00565
0.23056	0.058497	0.20701	0.106681	0.02112	0.104006	0.0246	-0.07152	0.12272
0.3865	-0.08093	0.08064	-0.16405	0.00037	-0.08019	0.08345	0.22957	5.31E-07
0.16965	0.036784	0.42775	0.144434	0.00175	0.141143	0.00223	-0.089	0.0546
0.1007	-0.07382	0.11111	-0.04393	0.34352	-0.10696	0.02079	-0.20495	8.02E-06
0.01376	0.022397	0.62927	-0.21968	1.64E-06	-0.10149	0.0283	0.021393	0.64472
0.001	0.20314	9.67E-06	0.157656	0.00063	0.192772	2.74E-05	-0.09238	0.04601
0.04723	-0.17526	0.00014	-0.2166	2.31E-06	-0.07094	0.12581	-0.15876	0.00057
0.03415	0.121914	0.00836	-0.10625	0.02166	-0.06439	0.16481	-0.22334	1.09E-06
1.63E-08	-0.11849	0.01038	0.009511	0.83759	0.075084	0.10512	0.120381	0.00922
0.87375	-0.00825	0.85888	-0.02533	0.58511	-0.01192	0.79719	0.033281	0.47308
0.08248	-0.06703	0.14813	-0.00904	0.84557	0.027983	0.54636	0.157941	0.00061
6.80E-06	-0.09705	0.03603	0.033185	0.47436	0.083292	0.07214	0.186368	5.07E-05
0.00244	0.136162	0.00319	0.131362	0.00446	0.181802	7.78E-05	-0.09136	0.04847
8.94E-12	-0.05532	0.23276	0.238918	1.74E-07	0.24453	8.72E-08	0.118941	0.01009
0.50975	0.102323	0.02703	0.148899	0.00125	0.056433	0.22352	-0.12115	0.00878

3.37E-05	-0.2234	1.08E-06	0.04428	0.33968	0.05171	0.26476	-0.01557	0.73722
3.35E-22	0.15348	0.00088	0.203468	9.35E-06	0.35629	2.01E-15	0.139837	0.00246
1.28E-05	-0.12145	0.00861	-0.18299	6.96E-05	-0.21089	4.29E-06	0.107014	0.02072
0.00456	0.275737	1.36E-09	0.142992	0.00195	0.227713	6.59E-07	-0.06715	0.14735
0.07462	-0.06163	0.18368	0.046841	0.31246	0.029763	0.52113	0.017122	0.7121
0.17646	-0.0528	0.25478	-0.0309	0.50535	-0.02212	0.63351	-0.0039	0.93307
0.03056	0.255136	2.25E-08	0.23797	1.95E-07	0.228233	6.20E-07	0.03652	0.43108
0.01485	0.077248	0.09544	0.006069	0.89592	-0.02362	0.61062	0.155754	0.00073
0.2643	-0.12334	0.00762	-0.13067	0.00468	-0.1311	0.00454	-0.08238	0.07534
0.01732	-0.07608	0.10058	-0.08979	0.0525	-0.0996	0.0314	-0.06044	0.1923
0.25867	0.145624	0.0016	0.21526	2.67E-06	0.136422	0.00314	0.001933	0.96677
0.00068	0.26311	7.80E-09	-0.0361	0.43641	0.113959	0.01374	-0.07123	0.12425
0.46471	-0.26984	3.11E-09	-0.08817	0.05691	-0.09659	0.03693	0.049152	0.28915
0.28283	0.035899	0.43895	0.094549	0.04112	0.072401	0.11818	-0.02651	0.56769
0.0016	-0.07178	0.12135	-0.1856	5.46E-05	-0.1675	0.00028	0.072375	0.11831
0.01707	-0.02382	0.60767	-0.02242	0.62896	-0.07599	0.10098	0.083204	0.07244
0.36673	0.033963	0.46405	0.004993	0.9143	0.005502	0.9056	-0.22338	1.08E-06
0.63346	0.092514	0.0457	0.074831	0.1063	0.07804	0.09208	0.062451	0.17789
0.71175	-0.04863	0.29431	-0.05031	0.2779	-0.04649	0.31608	-0.0486	0.29461
0.57722	-0.21879	1.81E-06	-0.13067	0.00468	-0.1335	0.00385	-0.11202	0.01544
0.00227	-0.05529	0.23308	-0.12372	0.00743	0.006121	0.89505	-0.0906	0.05039
0.96077	-0.20317	9.65E-06	-0.07044	0.1285	-0.09062	0.05033	-0.08227	0.07572
0.60064	-0.34892	8.14E-15	-0.10401	0.0246	-0.13415	0.00368	-0.03885	0.40228
0.01367	-0.14499	0.00168	-0.11659	0.01169	-0.12644	0.00622	-0.18419	6.23E-05
0.06169	0.060759	0.18996	0.07818	0.0915	0.073744	0.11149	-0.08305	0.07297
4.55E-06	0.007438	0.87264	0.172218	0.00018	0.17851	0.00011	0.306095	1.38E-11
0.00886	-0.00309	0.94699	0.168846	0.00025	0.15411	0.00083	0.008506	0.85453
0.49986	0.096913	0.03629	-0.03849	0.40665	-0.0286	0.5376	-0.04768	0.30387
0.60899	-0.00961	0.83587	-0.02426	0.60106	0.005024	0.91377	-0.08142	0.07881
0.14279	-0.11631	0.0119	-0.14196	0.0021	-0.13918	0.00258	-0.12358	0.0075
0.0078	-0.17358	0.00016	-0.13682	0.00305	-0.14849	0.00129	0.008773	0.85003
0.01164	0.008606	0.85285	-0.00692	0.88145	-0.04477	0.33435	-0.16539	0.00033
0.48838	0.097741	0.03472	0.197793	1.67E-05	0.140105	0.00241	-0.21962	1.65E-06
0.97664	-0.02442	0.59867	-0.25321	2.89E-08	-0.13822	0.00276	-0.08007	0.08389
0.01063	-0.2587	1.41E-08	-0.25772	1.60E-08	-0.20493	8.04E-06	0.094159	0.04197
0.00038	-0.03814	0.41096	0.040829	0.37868	0.095815	0.03847	0.138517	0.0027
4.55E-10	0.06909	0.136	0.207336	6.25E-06	0.269574	3.22E-09	0.094693	0.04081
4.74E-12	0.120534	0.00913	-0.09689	0.03633	0.133695	0.0038	0.307106	1.17E-11
1.12E-05	0.07152	0.12273	-0.00161	0.97226	-0.06111	0.18741	0.006786	0.88372
0.01006	-0.07831	0.09096	-0.08434	0.06862	-0.0391	0.3992	0.413398	1.06E-20
2.08E-08	-0.05537	0.23239	-0.30191	2.68E-11	-0.23359	3.30E-07	-0.0261	0.57367
2.11E-05	0.357553	1.57E-15	0.207908	5.88E-06	0.276608	1.20E-09	-0.06855	0.13909
0.05073	0.143042	0.00194	0.079552	0.08593	0.097802	0.03461	0.10099	0.0291
8.27E-06	0.10911	0.01834	-0.21667	2.29E-06	-0.16113	0.00047	0.118527	0.01036
0.49783	0.056926	0.21949	0.105965	0.02201	0.081984	0.07674	0.029222	0.52874

0.05921	-0.14241	0.00204	-0.03322	0.47392	0.007571	0.87039	0.040321	0.38465
0.0021	0.017454	0.70676	0.023155	0.6177	0.10964	0.01778	-0.16611	0.00031
0.73903	0.207714	6.01E-06	0.257234	1.71E-08	0.191678	3.05E-05	0.006951	0.88092
1.34E-05	-0.0053	0.90913	0.142018	0.0021	0.160926	0.00048	-0.07148	0.12293
0.48171	-0.21068	4.39E-06	-0.0697	0.13257	-0.09438	0.04148	-0.06725	0.14678
2.48E-06	-0.21652	2.33E-06	-0.26313	7.79E-09	-0.29652	6.22E-11	-0.30165	2.79E-11
0.08296	-0.01512	0.74454	-0.1407	0.00231	0.016334	0.72479	0.013469	0.77159
0.00028	-0.05882	0.20452	0.148038	0.00134	0.073728	0.11157	0.071354	0.12361
0.87992	-0.17734	0.00012	-0.0099	0.8311	-0.08822	0.05678	-0.01051	0.82083
0.12392	-0.07864	0.08961	0.176228	0.00013	0.048953	0.29111	-0.10165	0.02806
0.39373	-0.04263	0.35796	0.024849	0.59221	-0.03957	0.39361	0.003023	0.94805
0.0839	-0.11262	0.01489	-0.05287	0.25415	-0.1034	0.02545	-0.03063	0.50901
0.32787	-0.07914	0.08756	0.02395	0.60568	0.019011	0.68197	-0.02927	0.52807
0.75069	-0.06414	0.16642	0.145376	0.00163	0.004486	0.92297	-0.05681	0.22043
0.92744	-0.18744	4.58E-05	0.000394	0.99323	-0.08356	0.07121	-0.05913	0.2021
0.85488	-0.21028	4.58E-06	-0.1807	8.61E-05	-0.14557	0.00161	-0.00323	0.94456
0.57294	-0.10594	0.02204	-0.2195	1.67E-06	-0.14023	0.00239	-0.11174	0.0157
0.00027	-0.33202	1.76E-13	-0.28204	5.47E-10	-0.29911	4.16E-11	-0.10759	0.02004
0.13936	0.262902	8.03E-09	-0.03334	0.47226	0.114377	0.01339	-0.22995	5.08E-07
0.01967	-0.05845	0.20738	-0.09331	0.04386	-0.12414	0.00723	-0.23209	3.95E-07
0.83806	-0.01182	0.79887	0.020479	0.65892	0.008123	0.86102	-0.06336	0.17168
0.65294	-0.12608	0.00637	-0.02653	0.56742	-0.0531	0.25211	0.023954	0.60561
5.83E-08	0.452388	6.14E-25	0.261406	9.82E-09	0.352201	4.38E-15	0.272644	2.10E-09
0.22413	-0.14815	0.00132	-0.14185	0.00212	-0.14007	0.00242	-0.34933	7.53E-15
0.35164	-0.12006	0.0094	-0.16614	0.00031	-0.12866	0.00536	-0.05892	0.20377
4.98E-09	0.30624	1.35E-11	0.31924	1.59E-12	0.337079	7.16E-14	0.160833	0.00048
0.5694	-0.05779	0.21257	-0.01275	0.78341	-0.02295	0.62084	-0.03369	0.4676
0.16284	-0.04547	0.32688	-0.02217	0.63268	0.019433	0.67532	0.022921	0.62126
9.82E-07	-0.02001	0.66626	0.149646	0.00118	0.165045	0.00034	0.453455	4.62E-25
3.32E-06	-0.15757	0.00063	0.165498	0.00033	0.122819	0.00788	0.051843	0.26353
0.00063	0.036663	0.42928	0.133303	0.0039	0.160143	0.00051	0.18247	7.31E-05
0.84382	-0.00296	0.94912	-0.06768	0.14419	-0.04991	0.28175	0.093445	0.04355
0.03208	0.075391	0.1037	-0.06648	0.15144	-0.04576	0.32376	-0.12625	0.0063
0.06933	0.001311	0.97746	0.011341	0.80689	0.052108	0.2611	-0.02747	0.5537
0.04389	0.118335	0.01049	0.092024	0.04686	0.100402	0.03005	-0.18312	6.88E-05
5.06E-09	-0.0081	0.86139	0.165948	0.00032	0.18031	8.92E-05	-0.10052	0.02986
0.00532	0.151973	0.00099	0.227677	6.61E-07	0.184416	6.10E-05	0.142212	0.00207
0.00882	0.077711	0.09347	0.11301	0.01455	0.098272	0.03374	0.139119	0.00259
0.27584	0.049381	0.28691	0.041789	0.36756	0.038276	0.40923	0.010349	0.8235
0.31047	0.11673	0.01159	0.144324	0.00177	0.098879	0.03266	0.063693	0.1694
0.45782	-0.14121	0.00222	-0.04545	0.32703	-0.03035	0.51295	0.001843	0.96831
0.01765	0.124344	0.00714	0.095407	0.03931	0.128955	0.00526	-0.04778	0.30281
5.43E-06	0.028337	0.5413	0.11305	0.01451	0.145564	0.00161	0.102693	0.02648
6.94E-14	0.040095	0.38732	0.153808	0.00085	0.177636	0.00011	0.07199	0.12029
0.30772	0.081416	0.07881	0.047706	0.30359	0.074438	0.10816	0.136099	0.00321



3.51E-05	-0.1574	0.00064	0.02112	0.64894	0.053697	0.24682	0.059766	0.19732
0.02006	-0.12658	0.00616	0.003758	0.93544	0.012595	0.78604	0.151592	0.00102
6.69E-11	-0.19422	2.38E-05	-0.0483	0.29758	0.060171	0.19429	0.026437	0.56876
0.06043	0.010796	0.816	-0.08809	0.05714	-0.0104	0.82257	0.362038	6.56E-16
0.27761	-0.05244	0.25805	0.055064	0.23497	0.027959	0.54671	-0.009	0.84616
0.91914	-0.21964	1.65E-06	-0.09479	0.04061	-0.11071	0.01669	0.024282	0.60069
0.67374	-0.00606	0.89605	-0.04996	0.2813	-0.04173	0.36823	0.02296	0.62067
0.68707	-0.01977	0.66999	-0.05334	0.24999	-0.0469	0.31182	0.026898	0.56204
0.80116	-0.13455	0.00358	-0.02981	0.52049	-0.03173	0.49399	-0.08615	0.06287
0.02326	-0.18787	4.40E-05	-0.28795	2.29E-10	-0.23106	4.46E-07	0.016422	0.72337
0.33996	-0.0874	0.05914	-0.06121	0.18671	-0.05307	0.2524	0.031729	0.49398
0.72075	-0.07	0.13093	-0.05673	0.22106	-0.05968	0.19794	-0.06525	0.15919
9.89E-12	-0.17225	0.00018	-0.25948	1.27E-08	-0.29983	3.72E-11	-0.25533	2.19E-08
3.32E-13	0.124937	0.00687	0.197172	1.77E-05	0.242006	1.19E-07	-0.04737	0.30703
0.00159	-0.15463	0.0008	-0.17518	0.00014	-0.15607	0.00071	-0.19528	2.14E-05
2.46E-08	0.1272	0.00591	0.022489	0.62786	0.172818	0.00017	-0.20382	9.02E-06
9.88E-05	0.135285	0.0034	0.059937	0.19603	0.137681	0.00287	0.256646	1.85E-08
0.16144	-0.08681	0.06086	-0.13639	0.00314	-0.11038	0.01702	-0.10587	0.02212
1.26E-07	-0.04335	0.34992	0.219324	1.71E-06	0.204971	8.00E-06	-0.14481	0.0017
0.01806	-0.15629	0.0007	-0.07966	0.08551	-0.12491	0.00688	-0.06635	0.15224
0.00034	-0.03422	0.46067	0.114989	0.0129	0.124459	0.00708	-0.13108	0.00455
0.46033	-0.25685	1.80E-08	0.009228	0.84235	-0.10974	0.01768	0.204054	8.80E-06
0.02652	-0.00656	0.88751	0.071075	0.12509	0.068185	0.14122	0.025452	0.58326
0.38765	0.06284	0.1752	0.049796	0.28288	0.060591	0.19119	0.059264	0.20111
0.00051	0.172199	0.00018	-0.06594	0.15484	0.095372	0.03938	0.43721	3.18E-23
2.18E-12	-0.0293	0.52761	0.088882	0.05493	0.15422	0.00083	0.233592	3.30E-07
0.63592	0.201938	1.09E-05	0.074779	0.10655	0.08184	0.07726	0.519579	1.20E-33
6.67E-05	-0.19289	2.71E-05	-0.21731	2.13E-06	-0.21296	3.43E-06	-0.06484	0.16185
3.22E-08	0.154851	0.00079	0.111037	0.01637	0.19259	2.79E-05	0.052094	0.26123
0.38376	0.189875	3.63E-05	0.033211	0.47401	0.050496	0.27615	0.320133	1.37E-12
0.33543	-0.0498	0.28285	0.04119	0.37448	0.011609	0.80242	-0.04083	0.37863
0.00012	0.011302	0.80755	0.247056	6.35E-08	0.198417	1.56E-05	0.104589	0.0238
0.00933	-0.18221	7.49E-05	0.069145	0.13569	0.047629	0.30438	-0.1198	0.00956
1.51E-14	0.286543	2.82E-10	0.214286	2.97E-06	0.368672	1.76E-16	0.112059	0.0154
0.1474	0.155307	0.00076	-0.0891	0.05434	0.015694	0.73516	0.185158	5.69E-05
5.72E-16	0.127327	0.00586	0.217659	2.05E-06	0.279912	7.45E-10	-0.04956	0.28517
0.00018	0.096205	0.03768	-0.04708	0.31004	-0.0467	0.31387	0.161539	0.00046
1.44E-19	0.290637	1.53E-10	0.252643	3.11E-08	0.38555	5.33E-18	0.181791	7.78E-05
6.09E-07	0.14753	0.00139	0.091932	0.04708	0.157188	0.00065	0.211935	3.83E-06
0.00142	-0.02083	0.65338	0.009377	0.83984	0.060423	0.19242	0.004625	0.9206
0.19077	-0.15754	0.00063	-0.09281	0.04501	-0.09908	0.0323	-0.09265	0.04537
0.68839	-0.1922	2.90E-05	-0.04346	0.34873	-0.05036	0.27746	-0.02346	0.61313
0.18789	-0.10875	0.01873	0.003312	0.9431	0.015043	0.74577	-0.04219	0.363
1.53E-05	0.313798	3.95E-12	0.201772	1.11E-05	0.281919	5.57E-10	0.014727	0.75093
0.12568	-0.41952	2.48E-21	-0.24015	1.50E-07	-0.24449	8.76E-08	-0.03334	0.47225

0.07305	-0.09532	0.0395	-0.09074	0.05003	-0.12085	0.00894	-0.16275	0.00041
0.39558	-0.16458	0.00036	-0.03549	0.44413	-0.05573	0.22933	-0.05978	0.19718
0.0453	-0.10804	0.01953	-0.03971	0.39192	-0.02424	0.60135	-0.05487	0.23664
0.08167	-0.33548	9.53E-14	-0.21581	2.52E-06	-0.19587	2.02E-05	-0.20165	1.13E-05
0.53831	-0.19928	1.43E-05	-0.07207	0.11987	-0.03525	0.4473	0.006798	0.88352
0.93664	0.032392	0.48499	0.025454	0.58322	0.012318	0.79063	-0.08148	0.07859
1.51E-05	-0.02091	0.65226	-0.17413	0.00016	-0.14968	0.00118	0.01131	0.80742
0.70058	-0.07156	0.12253	-0.04795	0.30117	-0.05664	0.22178	-0.08436	0.06855
0.19984	-0.18439	6.11E-05	-0.08544	0.06506	-0.10017	0.03043	-0.06848	0.13948
0.23404	-0.06578	0.15583	0.009505	0.83768	0.023986	0.60514	0.033692	0.46762
0.05466	-0.01274	0.78359	0.046666	0.31427	0.088634	0.05562	0.037675	0.41663
0.05902	-0.14173	0.00214	0.036342	0.43332	0.042288	0.36186	-0.05804	0.21062
2.17E-15	0.453624	4.41E-25	0.176575	0.00013	0.322585	9.04E-13	0.411714	1.56E-20
7.39E-10	-0.01129	0.80767	0.231617	4.17E-07	0.222092	1.25E-06	-0.05425	0.24194
0.00022	0.082352	0.07542	0.104323	0.02416	0.182602	7.22E-05	0.219305	1.71E-06
7.52E-06	-0.00074	0.9872	-0.07856	0.08995	0.032817	0.47928	0.301642	2.80E-11
0.28326	-0.32609	4.96E-13	-0.13714	0.00298	-0.10154	0.02823	-0.1623	0.00043
2.86E-05	-0.28654	2.82E-10	-0.20961	4.92E-06	-0.26832	3.83E-09	-0.30062	3.29E-11
4.33E-05	-0.03654	0.4308	0.106524	0.02131	0.119593	0.00969	0.272124	2.26E-09
0.17584	0.078396	0.09061	-0.11671	0.0116	-0.06202	0.18088	0.016534	0.72156
0.00023	-0.0484	0.29663	-0.18423	6.21E-05	-0.17756	0.00011	0.245765	7.47E-08
0.53024	-0.18182	7.76E-05	-0.05374	0.24643	-0.05632	0.22448	-0.18534	5.59E-05
0.48467	-0.03234	0.48571	-0.0682	0.14112	0.004726	0.91887	-0.03359	0.46902
0.01057	-0.01277	0.78322	0.097789	0.03463	0.081696	0.07779	0.043572	0.34746
0.89112	-0.16144	0.00046	-0.10803	0.01954	-0.11678	0.01155	0.037357	0.42058
3.73E-09	0.266985	4.60E-09	0.210137	4.65E-06	0.299734	3.78E-11	0.086249	0.06256
1.39E-11	0.129575	0.00504	0.307039	1.19E-11	0.326013	5.02E-13	-0.05226	0.25967
0.00077	0.352199	4.39E-15	0.232979	3.55E-07	0.230714	4.64E-07	-0.24005	1.52E-07
0.12423	-0.10173	0.02794	-0.02791	0.54743	-0.05507	0.23493	-0.20885	5.33E-06
5.50E-07	-0.08254	0.07474	0.053496	0.24858	0.116621	0.01167	-0.08548	0.06494
5.71E-10	-0.19919	1.45E-05	-0.19205	2.94E-05	-0.27475	1.56E-09	-0.15359	0.00087
5.79E-11	0.446484	2.92E-24	0.251222	3.74E-08	0.34478	1.76E-14	0.182693	7.16E-05
0.34096	0.081262	0.07938	0.135134	0.00343	0.101487	0.02831	0.045079	0.33103
0.14749	-0.08624	0.06259	-0.20402	8.83E-06	-0.13144	0.00444	-0.02907	0.53083
0.86677	-0.00669	0.88543	-0.05396	0.24453	-0.02227	0.63118	-0.03689	0.4264
0.48345	-0.03893	0.40125	-0.05717	0.21749	-0.03882	0.40259	-0.22987	5.12E-07
3.27E-07	-0.15076	0.00108	-0.2374	2.09E-07	-0.24337	1.01E-07	-0.05169	0.26497
0.00878	0.024708	0.59432	0.158951	0.00057	0.104927	0.02335	0.025512	0.58237
0.30098	-0.16164	0.00045	-0.10222	0.02719	-0.13021	0.00483	-0.21928	1.72E-06
0.0013	-0.13647	0.00313	-0.18591	5.30E-05	-0.18218	7.51E-05	-0.03037	0.51264
6.14E-05	-0.0409	0.37781	0.102429	0.02687	0.104392	0.02407	0.046233	0.31878
0.22185	0.023328	0.61508	0.01287	0.78148	-0.00231	0.96024	-0.11659	0.01169
0.00242	-0.12431	0.00716	0.064305	0.16533	0.052312	0.25923	0.062874	0.17497
0.38713	-0.2126	3.57E-06	-0.08042	0.08255	-0.07583	0.10171	-0.12053	0.00913
0.12763	-0.05924	0.20131	0.041726	0.36829	0.055784	0.2289	0.052364	0.25876

5.13E-10	-0.32567	5.33E-13	-0.3243	6.74E-13	-0.34611	1.37E-14	-0.11932	0.00985
0.01015	-0.0131	0.77767	-0.02576	0.57868	-0.0649	0.16144	0.414218	8.71E-21
0.09914	-0.11976	0.00958	-0.01418	0.75987	0.006019	0.89678	-0.01218	0.79296
0.39751	0.099603	0.03139	0.083196	0.07247	0.043622	0.34691	0.012368	0.78981
0.11577	0.082796	0.07385	0.112415	0.01508	0.099776	0.0311	0.092354	0.04607
0.00347	-0.24361	9.78E-08	-0.19477	2.25E-05	-0.19923	1.44E-05	-0.38634	4.50E-18
0.18041	-0.03509	0.44932	0.071831	0.12111	-0.00899	0.84641	0.122455	0.00807
0.00026	-0.10224	0.02715	0.093156	0.04421	0.080544	0.08208	-0.02729	0.55637
0.35728	0.025561	0.58164	0.096308	0.03748	0.062981	0.17423	0.064952	0.16111
4.96E-05	-0.12599	0.0064	-0.02418	0.60222	0.057573	0.21429	-0.16139	0.00046
3.48E-05	0.33609	8.55E-14	0.20742	6.20E-06	0.295284	7.53E-11	0.422239	1.29E-21
0.31883	-0.01332	0.77406	0.04168	0.36882	0.054777	0.23742	-0.05587	0.22819
0.01344	-0.36062	8.66E-16	-0.18262	7.21E-05	-0.13379	0.00377	-0.06783	0.14334
0.20809	-0.13042	0.00476	-0.11503	0.01286	-0.1042	0.02432	-0.21999	1.58E-06
3.01E-05	0.170467	0.00021	0.164884	0.00035	0.218112	1.95E-06	0.043282	0.35068
0.51931	-0.02825	0.54259	0.022638	0.62558	0.011293	0.80769	0.060641	0.19082
0.00102	0.150108	0.00114	0.177942	0.00011	0.203472	9.35E-06	0.035752	0.44083
0.00868	0.047695	0.30371	-0.03578	0.4405	0.073083	0.11475	0.071293	0.12393
3.96E-09	-0.1275	0.00579	-0.13962	0.0025	0.026181	0.57252	0.117671	0.01093
0.69981	0.209793	4.82E-06	0.116474	0.01177	0.095284	0.03956	0.248305	5.42E-08
8.13E-05	-0.04063	0.38096	0.001418	0.97561	0.084406	0.06839	0.089145	0.05422
0.02133	0.237111	2.17E-07	0.180652	8.64E-05	0.178485	0.00011	0.402958	1.17E-19
0.79544	-0.06133	0.1858	0.007688	0.86839	-0.00838	0.85673	0.105391	0.02274
7.70E-07	-0.13548	0.00335	-0.04656	0.31535	0.007452	0.8724	0.043015	0.35367
0.77707	0.054615	0.23882	0.095791	0.03852	0.046716	0.31375	0.091278	0.04868
0.21085	-0.15306	0.00091	-0.03936	0.39614	-0.0539	0.24502	-0.25031	4.20E-08
0.34267	-0.11524	0.0127	0.006647	0.88609	-0.01786	0.70026	0.003906	0.93291
0.0788	0.04047	0.38289	0.089296	0.05381	0.077336	0.09507	-0.03569	0.44163
0.10095	-0.1229	0.00784	-0.09972	0.0312	-0.10689	0.02087	0.058563	0.2065
0.25122	-0.0605	0.19184	0.000116	0.99801	-0.03544	0.44482	-0.19933	1.43E-05
0.65679	-0.00345	0.94072	-0.04902	0.29041	-0.03514	0.44869	-0.04565	0.32496
2.03E-13	-0.20888	5.31E-06	-0.23367	3.27E-07	-0.3088	8.93E-12	-0.1579	0.00062
2.28E-19	0.293723	9.56E-11	0.229022	5.66E-07	0.371915	9.12E-17	0.068668	0.13842
0.32379	-0.03829	0.40901	-0.06435	0.16503	-0.0488	0.29267	-0.15692	0.00067
0.06447	0.253566	2.76E-08	0.121555	0.00855	0.171953	0.00019	0.486691	3.82E-29
7.89E-10	0.005734	0.90164	0.093572	0.04327	0.178843	0.0001	0.44994	1.18E-24
0.01982	0.104526	0.02389	-0.00892	0.84759	0.077335	0.09507	0.299725	3.78E-11
0.03605	0.097923	0.03438	0.073729	0.11157	0.097599	0.03499	0.347752	1.01E-14
0.02366	-0.05204	0.26175	-0.0851	0.06614	-0.08909	0.05437	-0.22732	6.89E-07
0.00032	0.122483	0.00805	-0.00595	0.89794	0.09273	0.04519	0.46649	1.31E-26
0.08603	-0.25151	3.60E-08	-0.08207	0.07644	-0.10364	0.0251	0.034325	0.4593
0.00044	-0.01293	0.78042	0.20651	6.82E-06	0.132603	0.0041	0.228782	5.82E-07
0.11032	-0.1677	0.00027	-0.01543	0.73945	-0.03483	0.45269	0.016513	0.72191
0.04925	-0.06056	0.19138	0.037753	0.41568	-0.00931	0.84105	0.104714	0.02363
0.07404	-0.07802	0.09219	-0.16253	0.00042	-0.11022	0.01718	0.071722	0.12168

0.52004	0.187391	4.60E-05	0.187855	4.41E-05	0.140215	0.00239	0.420515	1.95E-21
0.13184	0.147031	0.00144	0.006359	0.89099	0.037348	0.4207	-0.08676	0.06103
0.27468	0.193106	2.65E-05	0.066609	0.15067	0.094642	0.04092	0.199994	1.33E-05
0.45117	-0.0856	0.06456	-0.092	0.04692	-0.07309	0.1147	-0.05224	0.25991
1.35E-05	0.14227	0.00206	0.141837	0.00212	0.221762	1.30E-06	0.057567	0.21433
0.95419	0.077557	0.09412	0.055132	0.23439	0.030273	0.51401	-0.0571	0.21812
0.52446	-0.08044	0.08247	-0.07022	0.1297	-0.05179	0.26406	-0.41328	1.09E-20
0.00244	-0.05169	0.26498	0.07527	0.10426	0.064635	0.16317	-0.00167	0.97123
0.02895	-0.0509	0.27229	-0.16261	0.00042	-0.14044	0.00235	-0.30494	1.66E-11
0.50346	0.115473	0.01252	0.174119	0.00016	0.144114	0.00179	-0.30589	1.43E-11
0.00685	-0.22722	6.97E-07	0.013452	0.77187	-0.01348	0.77137	0.083313	0.07206
0.03024	0.151904	0.00099	0.13798	0.00281	0.150451	0.00111	0.03893	0.40127
0.23545	0.012995	0.77942	0.019043	0.68146	0.036909	0.42618	0.01155	0.80342
0.07689	0.000269	0.99537	0.061854	0.18208	0.090732	0.05005	0.034287	0.4598
0.09293	-0.08792	0.05764	-0.144	0.00181	-0.12157	0.00854	0.026369	0.56975
0.34252	-0.01189	0.79772	0.071022	0.12537	0.077832	0.09296	0.028288	0.542
0.3309	0.004688	0.91951	-0.10799	0.01958	-0.06634	0.15234	-0.11247	0.01503
0.01907	-0.12613	0.00635	-0.14178	0.00213	-0.20321	9.60E-06	-0.11044	0.01696
0.00541	-0.10633	0.02156	-0.10942	0.01801	-0.12274	0.00792	-0.04981	0.28278
0.02527	0.439757	1.66E-23	0.212801	3.49E-06	0.265716	5.48E-09	0.19199	2.96E-05
6.14E-05	-0.15499	0.00078	-0.24697	6.42E-08	-0.23856	1.82E-07	-0.16278	0.00041
0.91635	0.118608	0.01031	0.111978	0.01548	0.093827	0.0427	0.011858	0.79829
0.33665	0.126772	0.00608	0.011829	0.79876	0.065925	0.15492	0.199368	1.42E-05
0.2589	0.020392	0.66027	0.028264	0.54234	0.042992	0.35393	-0.10498	0.02328
0.01502	0.011703	0.80085	0.113963	0.01373	0.131077	0.00455	-0.14125	0.00222
0.19218	-0.15605	0.00071	-0.12256	0.00802	-0.11373	0.01393	-0.32556	5.44E-13
0.4039	0.117436	0.01109	-0.06237	0.17848	-0.02092	0.65205	0.095025	0.04011
0.04951	-0.03409	0.46236	0.052551	0.25706	0.040095	0.38732	0.220434	1.51E-06
6.41E-05	-0.08472	0.06736	0.116038	0.01209	0.139362	0.00254	-0.01071	0.81747
0.46264	0.020986	0.65102	-0.02415	0.60263	0.014694	0.75146	0.060086	0.19492
1.09E-15	0.375939	4.00E-17	0.211086	4.20E-06	0.353584	3.37E-15	0.159812	0.00053
0.10714	-0.19401	2.43E-05	-0.15915	0.00056	-0.17763	0.00011	0.292644	1.13E-10
0.69176	-0.11409	0.01363	-0.07643	0.09901	-0.05054	0.27577	0.138927	0.00262
0.92471	-0.10156	0.0282	-0.06382	0.16855	-0.0597	0.19778	0.185602	5.45E-05
0.1204	0.101756	0.02789	-0.06259	0.17691	0.061018	0.18807	0.32243	9.29E-13
3.47E-05	-0.15397	0.00084	-0.1901	3.55E-05	-0.20904	5.22E-06	-0.23992	1.54E-07
0.66311	-0.19305	2.67E-05	-0.03603	0.43723	-0.02676	0.56411	-0.05636	0.2241
0.00145	-0.08744	0.05901	0.001185	0.97962	0.051063	0.27079	0.189687	3.70E-05
0.00549	-0.10181	0.02781	-0.19858	1.54E-05	-0.16464	0.00035	0.031975	0.49063
0.85186	-0.07473	0.10676	-0.14531	0.00164	-0.07421	0.10924	0.015408	0.73981
0.01272	-0.28322	4.60E-10	-0.07762	0.09385	-0.06664	0.15047	0.009062	0.84515
0.09479	0.110801	0.0166	0.018263	0.69385	0.033387	0.47167	0.346511	1.28E-14
0.15712	-0.41014	2.25E-20	-0.07154	0.12264	-0.09683	0.03646	0.022356	0.6299
0.53121	-0.27398	1.74E-09	-0.03228	0.48648	-0.09397	0.04237	0.354926	2.61E-15
0.84207	-0.27354	1.85E-09	-0.15458	0.0008	-0.16064	0.00049	-0.0996	0.03141

0.72518	-0.11536	0.01261	-0.09793	0.03437	-0.06166	0.18347	0.08802	0.05734
0.00548	0.250099	4.31E-08	0.176052	0.00013	0.220412	1.51E-06	0.356043	2.10E-15
0.24909	0.024764	0.59348	-0.14879	0.00126	-0.088	0.0574	0.170063	0.00022
0.00176	-0.0541	0.24331	0.075135	0.10489	0.084489	0.06812	0.161006	0.00048
0.39868	-0.12082	0.00896	-0.07148	0.12292	-0.03743	0.41971	0.11839	0.01045
0.18351	0.027537	0.55279	-0.02282	0.62274	0.044016	0.34257	-0.07306	0.11486
0.21002	0.097138	0.03586	-0.01193	0.79714	0.03733	0.42092	0.109737	0.01768
0.37107	0.082582	0.07461	0.094634	0.04094	0.092429	0.0459	-0.04163	0.36943
0.0914	-0.07298	0.11527	0.039075	0.39953	0.02246	0.62829	-0.13974	0.00247
0.57115	-0.12873	0.00534	-0.02597	0.57561	-0.03633	0.43349	-0.10551	0.02259
0.06884	-0.2451	8.11E-08	-0.24388	9.45E-08	-0.20304	9.77E-06	0.007542	0.87087
0.0705	-0.07494	0.10577	0.277538	1.05E-09	0.130154	0.00485	0.130038	0.00488
0.98347	-0.21096	4.25E-06	0.153334	0.00089	-0.00589	0.89905	0.067971	0.14248
0.28346	0.01156	0.80324	-0.02517	0.58749	-0.04177	0.36781	0.09066	0.05023
0.7084	-0.04751	0.30556	-0.14537	0.00163	-0.08936	0.05363	0.433657	7.79E-23
0.01691	-0.25094	3.87E-08	-0.14727	0.00142	-0.09381	0.04273	-0.1235	0.00754
0.00016	-0.01058	0.81954	0.088897	0.05489	0.139701	0.00248	0.452256	6.36E-25
4.67E-13	-0.20678	6.63E-06	0.103613	0.02515	0.119938	0.00948	0.105989	0.02198
0.05853	0.140635	0.00232	0.180039	9.14E-05	0.179192	9.88E-05	-0.10188	0.02771
0.00731	0.022075	0.6342	-0.02517	0.58736	0.024465	0.59795	-0.26374	7.16E-09
0.17329	-0.12407	0.00727	-0.05808	0.21028	-0.04469	0.33523	0.072361	0.11838
0.00022	0.044208	0.34046	0.082646	0.07438	0.153207	0.0009	0.003318	0.94299
8.58E-06	0.088418	0.05622	0.022434	0.62869	0.1659	0.00032	0.21391	3.10E-06
0.28478	-0.20909	5.20E-06	-0.15287	0.00092	-0.13745	0.00292	-0.03178	0.49333
0.24661	0.123612	0.00749	-0.03957	0.39354	0.012866	0.78155	0.415521	6.41E-21
1.47E-07	-0.07642	0.09905	-0.13511	0.00344	-0.21978	1.62E-06	-0.17868	0.0001
0.16655	0.057839	0.21217	0.149619	0.00118	0.092865	0.04488	0.060335	0.19307
1.00E-12	-0.09444	0.04136	0.117917	0.01076	0.164318	0.00036	0.482216	1.44E-28
0.37902	-0.12693	0.00602	-0.11258	0.01493	-0.09022	0.05136	0.503919	1.92E-31
4.48E-05	-0.09611	0.03787	-0.14519	0.00166	-0.15865	0.00058	-0.39645	5.00E-19
0.00748	-0.29826	4.76E-11	-0.12466	0.00699	-0.18483	5.86E-05	-0.15732	0.00064
4.35E-09	-0.13603	0.00322	0.004184	0.92815	0.050484	0.27627	0.197924	1.64E-05
0.73162	-0.01274	0.78363	0.068498	0.1394	0.041539	0.37045	-0.00068	0.98838
0.00095	-0.00237	0.9592	-0.07712	0.09599	0.01165	0.80174	0.075994	0.10096
0.09939	-0.33918	4.90E-14	-0.14059	0.00232	-0.10891	0.01856	-0.189	3.95E-05
0.00012	-0.19722	1.76E-05	-0.25252	3.16E-08	-0.25	4.37E-08	-0.12951	0.00506
0.00507	-0.02377	0.60834	0.075406	0.10363	0.08648	0.06185	0.029276	0.52797
1.13E-06	0.23885	1.76E-07	0.255547	2.13E-08	0.293228	1.03E-10	0.309312	8.22E-12
0.00011	-0.10826	0.01928	-0.1168	0.01154	-0.16925	0.00024	-0.19765	1.69E-05
0.01125	-0.06631	0.15252	0.01875	0.6861	3.92E-05	0.99933	0.168243	0.00026
0.01213	-0.14159	0.00216	-0.0492	0.28869	-0.009	0.84611	-0.02447	0.59794
0.38599	-0.04094	0.37737	-0.00489	0.9161	-0.08036	0.08279	-0.20189	1.10E-05
0.8114	-0.09592	0.03825	-0.10032	0.03018	-0.1127	0.01482	-0.03134	0.49929
0.03516	0.165092	0.00034	0.027354	0.55542	0.116949	0.01143	0.047235	0.3084
1.63E-05	-0.1003	0.03023	-0.02963	0.52306	0.046435	0.31668	0.038387	0.40788

0.99449	-0.0879	0.05769	-0.01437	0.75677	-0.04907	0.28991	-0.05227	0.25959
0.66341	0.041782	0.36765	0.0967	0.03671	0.076635	0.09811	0.087982	0.05745
0.17884	-0.07393	0.1106	-0.24292	1.07E-07	-0.14573	0.00159	0.098097	0.03406
0.00026	0.068992	0.13656	0.156857	0.00067	0.127951	0.00562	0.381486	1.26E-17
0.00022	0.142863	0.00197	0.232894	3.59E-07	0.224322	9.72E-07	0.132461	0.00414
0.958	-0.14378	0.00184	0.117612	0.01097	0.016912	0.71548	0.145567	0.00161
0.14763	-0.09915	0.03217	-0.05359	0.24773	-0.04079	0.37916	0.279529	7.87E-10
0.47139	-0.03963	0.39287	0.008686	0.8515	0.036545	0.43076	-0.18106	8.32E-05
0.23113	0.254269	2.52E-08	0.080955	0.08053	0.102216	0.02719	0.419867	2.28E-21
0.44622	-0.01641	0.72359	-0.00152	0.97385	-0.04846	0.29603	0.071798	0.12128
0.10859	-0.03532	0.44644	-0.03375	0.46686	-0.05318	0.25141	-0.10562	0.02244
0.28942	-0.0472	0.30876	0.077848	0.09289	0.063166	0.17296	-0.15252	0.00094
0.00021	-0.08705	0.06015	0.101143	0.02885	0.136569	0.0031	-0.04626	0.31852
0.09341	0.067712	0.14401	0.127424	0.00582	0.099078	0.0323	0.252468	3.18E-08
0.01417	0.045734	0.32404	0.145951	0.00156	0.142347	0.00205	-0.05149	0.26683
0.89391	0.022326	0.63035	0.006554	0.88766	0.027555	0.55252	-0.02538	0.58428
0.03132	0.071311	0.12383	0.056394	0.22384	0.091127	0.04906	-0.1305	0.00473
4.33E-06	-0.22962	5.28E-07	-0.11666	0.01164	-0.20178	1.11E-05	-0.25024	4.24E-08
0.01266	-0.0414	0.37204	0.052567	0.25691	-0.03679	0.42764	0.015017	0.7462
0.32317	-0.10969	0.01773	0.036937	0.42583	0.030405	0.51219	-0.05662	0.22198
0.14392	-0.0701	0.13036	0.166972	0.00029	0.104756	0.02358	0.003492	0.94
0.44073	-0.01438	0.75668	-0.12432	0.00715	-0.07278	0.11627	-0.11307	0.0145
0.71563	-0.07834	0.09085	-0.0029	0.95013	-0.00467	0.91989	-0.02542	0.5838
0.37598	-0.00907	0.84499	0.074081	0.10986	0.066845	0.14922	-0.05855	0.20658
0.01454	0.054878	0.23656	0.131402	0.00445	0.140741	0.0023	0.049163	0.28905
6.55E-16	0.234234	3.06E-07	0.057627	0.21386	0.238499	1.83E-07	0.261762	9.36E-09
1.07E-05	-0.03554	0.44354	0.206017	7.18E-06	0.133402	0.00388	-0.01736	0.70829
2.58E-17	0.331601	1.90E-13	0.32789	3.63E-13	0.390091	2.01E-18	0.134124	0.00369
0.13145	0.032441	0.48432	0.011403	0.80585	0.041592	0.36983	0.153627	0.00087
1.87E-05	-0.16307	0.0004	-0.17506	0.00014	-0.21812	1.95E-06	-0.12233	0.00814
0.74577	0.020664	0.65603	0.029802	0.52059	-0.02096	0.65148	0.066902	0.14888
0.48269	0.022623	0.6258	0.043724	0.34578	0.021166	0.64823	0.016354	0.72448
0.2799	0.055311	0.23287	0.02062	0.65672	0.068964	0.13672	-0.01427	0.75843
0.24281	0.057823	0.2123	0.100753	0.02948	0.074112	0.10971	0.016535	0.72155
0.11889	0.19595	2.00E-05	0.23531	2.69E-07	0.194679	2.27E-05	-0.07901	0.0881
0.00801	0.126019	0.00639	0.134031	0.00371	0.133056	0.00397	0.081109	0.07995
0.03061	-0.16362	0.00038	0.055482	0.23143	0.04631	0.31798	-0.07727	0.09534
0.79065	0.007071	0.87887	0.062139	0.18007	0.007404	0.87321	0.085515	0.06483
0.00031	-0.13544	0.00336	0.126259	0.00629	0.122727	0.00793	-0.00888	0.8482
0.33438	0.037718	0.41611	-0.08843	0.05619	0.019635	0.67214	0.057493	0.21492
0.25388	0.200236	1.30E-05	0.113097	0.01447	0.095946	0.03821	-0.03968	0.39229
0.11202	-0.18911	3.91E-05	-0.05992	0.19617	-0.09116	0.04897	0.114609	0.0132
0.01815	0.019979	0.66673	0.035123	0.44892	0.068538	0.13917	-0.01082	0.81559
0.03026	-0.02025	0.66245	0.003389	0.94178	-0.05318	0.25136	0.035927	0.4386
0.70203	-0.01703	0.71358	-0.02178	0.63868	-0.01723	0.71034	-0.15362	0.00087

1.28E-08	0.198917	1.49E-05	0.222571	1.19E-06	0.30208	2.61E-11	0.323849	7.29E-13
0.62897	-0.11417	0.01356	-0.09137	0.04845	-0.06354	0.17042	-0.15162	0.00101
0.00164	0.348451	8.89E-15	0.330892	2.15E-13	0.317075	2.29E-12	0.051661	0.26521
8.87E-08	-0.14774	0.00137	-0.26897	3.50E-09	-0.26631	5.05E-09	-0.20183	1.11E-05
0.35247	0.162675	0.00042	-0.03829	0.40903	0.026012	0.575	0.09102	0.04933
0.90883	-0.04874	0.29326	-0.06512	0.16	-0.015	0.74648	0.075564	0.10291
0.73238	0.051127	0.2702	-0.07227	0.11885	0.033974	0.46391	0.016906	0.71556
0.0669	0.064669	0.16295	0.060117	0.19469	0.03025	0.51433	-0.10925	0.0182
0.00042	-0.09117	0.04896	-0.13959	0.0025	-0.1423	0.00205	-0.12786	0.00566
0.03929	-0.02994	0.51864	-0.07107	0.12511	-0.08623	0.06262	-0.07086	0.12625
0.84249	-0.07486	0.10616	0.030033	0.51736	0.011064	0.81153	-0.04659	0.31507
0.07686	0.027361	0.55532	0.08052	0.08217	0.05738	0.21583	-0.06579	0.15579
1.32E-10	0.246214	7.06E-08	0.353609	3.35E-15	0.359745	1.03E-15	-0.10447	0.02396
0.04145	-0.01907	0.68105	0.010848	0.81514	0.024805	0.59286	-0.05083	0.27299
0.04705	-0.22084	1.44E-06	-0.15444	0.00081	-0.11905	0.01003	0.094272	0.04172
0.59077	-0.05122	0.2693	-0.11269	0.01483	-0.05768	0.21347	0.251835	3.45E-08
0.39111	-0.04234	0.36127	-0.19397	2.44E-05	-0.12578	0.00649	0.139563	0.00251
0.03506	-0.08437	0.0685	0.039452	0.39499	-0.06397	0.16757	-0.04256	0.3588
3.50E-05	-0.01139	0.8061	-0.13533	0.00339	-0.12845	0.00544	-0.14418	0.00179
2.22E-06	0.192026	2.95E-05	0.096675	0.03676	0.19102	3.25E-05	0.042479	0.35971
6.09E-05	0.145639	0.0016	0.105333	0.02282	0.16819	0.00026	0.076251	0.09981
0.52858	-0.04823	0.29834	-0.04601	0.32111	-0.06015	0.19445	-0.05488	0.2365
1.22E-09	0.05634	0.22428	0.187516	4.55E-05	0.18394	6.37E-05	0.219242	1.72E-06
3.08E-05	-0.07685	0.09715	-0.05735	0.21606	0.03358	0.46911	0.093669	0.04305
0.00016	-0.17876	0.0001	-0.00869	0.85141	0.002978	0.94882	0.063349	0.17172
5.52E-06	-0.12228	0.00816	-0.18655	4.99E-05	-0.21092	4.28E-06	-0.09863	0.03309
2.88E-10	0.379286	2.00E-17	0.495147	2.95E-30	0.418093	3.49E-21	0.101388	0.02847
0.43616	0.084566	0.06787	0.007723	0.86779	0.04634	0.31766	-0.15337	0.00088
0.00497	0.100703	0.02956	0.109163	0.01829	0.127198	0.00591	0.271297	2.54E-09
0.00209	0.234978	2.80E-07	-0.08799	0.05741	0.081256	0.07941	0.312867	4.60E-12
0.70004	-0.10254	0.02671	-0.06844	0.13974	-0.08441	0.06839	-0.31633	2.59E-12
5.23E-17	0.372448	8.18E-17	0.066302	0.15257	0.28516	3.46E-10	0.213943	3.09E-06
0.27313	-0.14719	0.00142	-0.18435	6.14E-05	-0.15632	0.0007	0.054518	0.23965
0.14261	-0.077	0.09652	0.047495	0.30574	0.049197	0.28871	-0.02247	0.62817
0.5723	0.152719	0.00093	0.182815	7.08E-05	0.07469	0.10697	-0.05956	0.19888
0.91077	0.058495	0.20703	0.002734	0.95302	0.013394	0.77282	0.259041	1.35E-08
0.00593	0.23007	5.01E-07	0.106234	0.02167	0.148675	0.00127	0.459293	9.53E-26
0.85319	0.03653	0.43095	0.111246	0.01617	0.079432	0.08641	-0.23738	2.10E-07
0.93367	0.262269	8.74E-09	0.277497	1.05E-09	0.185559	5.48E-05	0.169126	0.00024
0.62007	0.135086	0.00345	0.157003	0.00066	0.095531	0.03905	0.283014	4.74E-10
0.03931	0.339368	4.73E-14	0.332524	1.61E-13	0.233108	3.50E-07	0.111078	0.01633
0.71222	0.195093	2.18E-05	0.043377	0.34963	0.072044	0.12001	-0.00388	0.93337
1.64E-06	0.165706	0.00032	0.199516	1.40E-05	0.23649	2.34E-07	0.201001	1.20E-05
2.58E-05	0.042608	0.35824	-0.07039	0.12876	-0.0776	0.09394	-0.16441	0.00036
4.01E-06	0.265778	5.43E-09	0.371923	9.10E-17	0.321939	1.01E-12	-0.20016	1.31E-05

0.43505	-0.06446	0.16432	-0.15421	0.00083	-0.10422	0.0243	0.215666	2.56E-06
0.90917	0.116917	0.01146	0.169382	0.00024	0.101715	0.02796	0.077321	0.09513
0.59873	-0.05343	0.24917	0.020657	0.65614	-0.03737	0.42047	0.041159	0.37484
0.81927	-0.03003	0.51743	0.091071	0.0492	0.027333	0.55574	-0.08323	0.07236
0.63148	0.051973	0.26233	0.021619	0.64122	-0.00282	0.95146	-0.00165	0.97165
0.09272	-0.07004	0.1307	0.105265	0.0229	0.026034	0.57468	0.1593	0.00055
0.33434	-0.11465	0.01317	-0.04169	0.36867	-0.0793	0.08695	-0.04764	0.30424
2.58E-05	0.166434	0.0003	0.215072	2.73E-06	0.205352	7.69E-06	0.222113	1.25E-06
5.05E-06	0.214468	2.91E-06	-0.04917	0.28902	0.116716	0.0116	0.22019	1.55E-06
0.85438	0.023	0.62006	-0.0144	0.75623	0.025786	0.57832	0.430571	1.68E-22
0.05753	0.05769	0.21335	0.018567	0.68901	0.027852	0.54825	0.25019	4.26E-08
1.74E-05	-0.26361	7.29E-09	-0.24009	1.51E-07	-0.29434	8.70E-11	-0.20204	1.08E-05
0.10289	0.055972	0.22733	0.078824	0.08885	0.074307	0.10878	0.06005	0.19519
3.46E-07	0.002472	0.95751	0.057615	0.21395	-0.10286	0.02624	-0.09817	0.03392
0.86614	0.005364	0.90797	0.097193	0.03575	0.042664	0.35761	-0.08199	0.07671
0.97506	0.022432	0.62872	0.04241	0.36048	0.041415	0.37187	-0.04373	0.34576
0.03487	0.035184	0.44813	0.184694	5.94E-05	0.15412	0.00083	-0.07556	0.10293
0.01261	0.023759	0.60855	0.086427	0.06202	0.09927	0.03197	-0.16493	0.00034
0.00228	0.229332	5.46E-07	0.164414	0.00036	0.212429	3.63E-06	-0.03353	0.46979
0.06124	0.12626	0.00629	0.064988	0.16088	0.108457	0.01906	-0.02526	0.58613
0.69478	0.044875	0.33322	0.002393	0.95887	0.03056	0.51002	0.254186	2.55E-08
0.31751	0.036867	0.42671	0.027732	0.54998	0.067652	0.14437	0.152519	0.00094
0.62137	-0.05114	0.27005	0.054255	0.24193	0.008359	0.85703	-0.04464	0.3358
0.88855	0.036202	0.4351	0.043778	0.34519	0.011533	0.8037	-0.01616	0.7276
0.64255	-0.14162	0.00216	-0.00582	0.9002	-0.02268	0.62501	0.105858	0.02214
3.65E-11	0.253729	2.70E-08	0.307486	1.10E-11	0.328775	3.11E-13	0.083204	0.07244
0.00035	0.087905	0.05767	0.068558	0.13905	0.110578	0.01682	0.32366	7.53E-13
0.73068	-0.24313	1.04E-07	-0.05301	0.25288	-0.1041	0.02447	0.048755	0.29307
0.77957	-0.13161	0.00439	-0.00387	0.93358	-0.03513	0.44885	-0.02836	0.54094
0.01139	-0.00443	0.92386	-0.07847	0.09032	-0.11527	0.01268	0.005573	0.9044
0.80821	-0.1941	2.40E-05	0.010336	0.82371	-0.05614	0.22596	-0.10138	0.02847
0.63869	-0.1418	0.00213	-0.03783	0.41478	-0.06564	0.15672	-0.06278	0.17562
0.25153	-0.13019	0.00483	-0.04737	0.30706	-0.08386	0.07021	-0.11213	0.01533
0.22862	-0.13935	0.00254	-0.24878	5.10E-08	-0.18534	5.59E-05	-0.11153	0.01589
0.63705	-0.03232	0.48594	-0.06518	0.15967	-0.05324	0.25086	-0.06479	0.16216
0.26564	0.026197	0.57228	0.006077	0.8958	-0.02193	0.63642	-0.01882	0.68505
0.12307	0.138252	0.00275	0.193722	2.50E-05	0.154373	0.00082	0.190527	3.41E-05
0.00292	0.053345	0.24993	0.264078	6.85E-09	0.176839	0.00012	0.19962	1.39E-05
0.00221	0.013212	0.77583	0.108594	0.0189	0.125576	0.00658	0.269421	3.29E-09
5.42E-06	-0.04559	0.32553	0.107581	0.02005	0.137034	0.003	0.19902	1.47E-05
0.04992	0.103889	0.02476	0.117663	0.01094	0.115185	0.01275	0.040564	0.38178
0.0386	0.178436	0.00011	0.181789	7.78E-05	0.160974	0.00048	0.053888	0.24513
0.72496	0.004479	0.9231	0.045299	0.32867	0.043629	0.34684	-0.04689	0.31199
0.02935	0.071757	0.1215	0.140898	0.00227	0.129135	0.00519	-0.07821	0.09138
0.05432	-0.05374	0.2464	0.111544	0.01588	0.053762	0.24624	0.055944	0.22756



0.85892	0.020183	0.66353	0.018516	0.68982	-0.01057	0.81981	-0.12892	0.00527
0.53555	0.01389	0.76466	0.033524	0.46985	-0.02037	0.66062	-0.14182	0.00213
0.09926	0.108437	0.01908	0.156227	0.0007	0.114362	0.0134	-0.03627	0.43424
0.53728	-0.01862	0.68816	-0.01966	0.67181	-0.02598	0.57549	-0.01022	0.82572
0.25423	-0.00051	0.9912	0.066459	0.15159	0.052131	0.26089	-0.15546	0.00075
0.05335	0.085725	0.06417	0.008729	0.85078	-0.0172	0.7109	0.167405	0.00028
0.52367	-0.11351	0.01412	-0.00794	0.86417	-0.0322	0.48752	-0.14537	0.00163
0.01931	-0.01386	0.76508	-0.05148	0.26687	-0.07916	0.0875	-0.1187	0.01025
0.02247	-0.1016	0.02814	0.047825	0.30239	0.043294	0.35055	0.332892	1.51E-13
0.00029	-0.0627	0.17616	-0.09782	0.03457	-0.14049	0.00234	-0.06444	0.16442
0.00384	0.423782	8.89E-22	0.096383	0.03733	0.211863	3.86E-06	0.146436	0.00151
1.15E-17	0.44452	4.87E-24	0.241985	1.20E-07	0.361541	7.23E-16	0.275279	1.45E-09
0.18339	-0.24574	7.50E-08	-0.16281	0.00041	-0.17187	0.00019	-0.12408	0.00726
0.00086	0.010372	0.82312	-0.04087	0.37821	0.04231	0.36162	0.128203	0.00553
1.68E-05	-0.23034	4.85E-07	0.096888	0.03634	0.048398	0.29662	0.182119	7.55E-05
5.19E-06	-0.10516	0.02304	-0.14058	0.00233	-0.19686	1.83E-05	-0.1666	0.0003
8.20E-07	-0.24069	1.40E-07	-0.31509	3.19E-12	-0.29847	4.60E-11	0.103711	0.02501
0.31842	0.04671	0.31381	0.044823	0.33378	0.05442	0.2405	-0.05114	0.27003
0.0407	-0.12404	0.00728	-0.014	0.76288	-0.0116	0.80255	0.076725	0.09771
0.48677	0.200214	1.30E-05	0.117503	0.01104	0.096012	0.03807	0.031369	0.49889
0.01553	0.10815	0.0194	-0.16113	0.00047	-0.08308	0.07285	0.042376	0.36087
0.4239	0.055606	0.23038	-0.04579	0.32348	-0.02101	0.65065	0.007307	0.87486
0.00588	-0.02536	0.58467	-0.18694	4.81E-05	-0.15628	0.0007	-0.17672	0.00012
0.93503	-0.00812	0.86107	-0.01503	0.74592	4.37E-05	0.99925	-0.08155	0.07832
0.76709	-0.1236	0.00749	0.006377	0.89069	-0.04014	0.38675	-0.09744	0.03529
0.19414	0.113332	0.01427	0.35713	1.71E-15	0.169585	0.00023	0.251323	3.69E-08
0.00084	0.28186	5.61E-10	0.17094	0.00021	0.223713	1.04E-06	0.272185	2.24E-09
2.03E-06	0.371886	9.17E-17	0.36481	3.80E-16	0.31278	4.67E-12	-0.0117	0.80096
0.45646	-0.07464	0.10718	0.090164	0.05151	0.044957	0.33234	-0.3583	1.36E-15
0.7672	0.150095	0.00114	0.102885	0.02619	0.101681	0.02801	0.014265	0.75849
0.00216	-0.10291	0.02616	-0.12512	0.00678	-0.14783	0.00136	-0.19659	1.88E-05
0.00107	0.173676	0.00016	0.003026	0.94801	-0.05196	0.26247	-0.18311	6.89E-05
0.04064	0.273238	1.93E-09	0.309139	8.45E-12	0.217053	2.20E-06	0.070384	0.12881
0.17596	-0.12947	0.00508	-0.23422	3.07E-07	-0.1796	9.52E-05	-0.02439	0.59902
0.19282	-0.00283	0.95139	-0.07848	0.09026	-0.05965	0.19815	-0.1018	0.02783
0.11906	-0.1008	0.0294	-0.02259	0.62633	-0.06923	0.1352	0.03019	0.51516
0.73078	-0.05636	0.22412	-0.02566	0.58023	-0.00936	0.84014	0.002386	0.95899
0.09713	-0.1444	0.00176	-0.0608	0.18969	-0.09161	0.04787	-0.18284	7.06E-05
0.00917	-0.00544	0.9066	0.134838	0.00351	0.087745	0.05813	0.118774	0.0102
0.00044	-0.06308	0.17358	-0.2209	1.43E-06	-0.16338	0.00039	-0.02035	0.66088
0.40945	0.016573	0.72093	0.09355	0.04332	0.054411	0.24058	0.073438	0.11299
6.60E-11	0.108788	0.01869	0.270846	2.70E-09	0.288849	2.00E-10	-0.0711	0.12498
0.10628	-0.01712	0.71207	0.178802	0.0001	0.073744	0.1115	0.254574	2.42E-08
0.10202	-0.11317	0.01441	-0.09408	0.04214	-0.09327	0.04394	0.000213	0.99633
0.01038	-0.10041	0.03004	-0.11203	0.01543	-0.12759	0.00576	-0.01558	0.73706

0.2121	0.162895	0.00041	0.032995	0.47689	0.082168	0.07608	0.030965	0.50443
0.6653	-0.30164	2.80E-11	-0.10078	0.02944	-0.11157	0.01586	0.008066	0.86199
0.00223	-0.14341	0.00189	0.063958	0.16763	0.039892	0.38973	0.196496	1.90E-05
0.25915	-0.10314	0.02582	0.00031	0.99466	-0.01012	0.82729	0.090577	0.05045
0.54892	-0.03578	0.44042	-0.03038	0.51253	-0.01607	0.729	-0.02113	0.64875
0.02506	-0.09798	0.03427	-0.06346	0.17095	0.022945	0.62089	0.079317	0.08687
0.00156	-0.08122	0.07954	-0.21069	4.38E-06	-0.19617	1.96E-05	-0.09091	0.04959
0.00118	0.056082	0.22642	0.109055	0.0184	0.129006	0.00524	-0.01848	0.69038
2.11E-17	0.213118	3.37E-06	0.304816	1.69E-11	0.342322	2.76E-14	0.158768	0.00057
0.179	-0.04601	0.32113	-0.05228	0.25954	-0.05608	0.22646	0.049332	0.28739
0.09516	0.101595	0.02814	0.16223	0.00043	0.102603	0.02661	-0.16667	0.0003
0.00536	0.023841	0.60732	0.091511	0.04811	-0.00819	0.85987	-0.18188	7.72E-05
0.00259	0.003884	0.93329	0.107094	0.02063	-0.04506	0.33123	-0.04212	0.36374
0.88139	0.037231	0.42215	0.110505	0.0169	0.052082	0.26133	-0.09871	0.03295
0.18805	0.108337	0.01919	0.113341	0.01426	0.027104	0.55905	0.046624	0.31471
0.06575	-0.06924	0.13514	-0.07881	0.08891	-0.04874	0.29325	-0.0754	0.10364
0.98361	-0.05756	0.21439	0.008931	0.84735	-0.01203	0.79543	0.099403	0.03174
0.00026	-0.06203	0.18083	0.047928	0.30134	0.07865	0.08956	-0.01414	0.76057
6.65E-08	-0.0781	0.09184	0.103343	0.02553	0.099712	0.03121	0.183688	6.53E-05
0.13284	0.279317	8.12E-10	0.051248	0.26906	0.101609	0.02812	0.077185	0.09571
5.47E-14	-0.04039	0.38387	-0.19802	1.63E-05	-0.24023	1.48E-07	-0.08864	0.05561
2.22E-05	0.229059	5.63E-07	-0.09583	0.03843	-0.0382	0.41021	-0.18234	7.40E-05
8.74E-09	-0.15177	0.001	-0.13102	0.00457	-0.23174	4.12E-07	-0.03338	0.47175
0.32287	-0.18125	8.18E-05	-0.03407	0.46269	-0.06769	0.14414	0.03998	0.38869
0.502	0.057826	0.21228	0.185124	5.71E-05	0.082689	0.07423	0.081662	0.07791
0.25995	0.077706	0.09349	0.006641	0.88619	-7.12E-05	0.99878	0.352105	4.46E-15
0.01478	0.125001	0.00684	-0.04521	0.32963	-0.07922	0.08724	0.077751	0.0933
3.19E-06	0.312162	5.16E-12	0.288042	2.25E-10	0.323791	7.36E-13	0.352094	4.47E-15
7.92E-05	-0.06499	0.16084	-0.23269	3.68E-07	-0.19725	1.76E-05	0.0437	0.34604
7.42E-06	0.106923	0.02083	0.198184	1.60E-05	0.213469	3.25E-06	0.161109	0.00047
0.54563	-0.10351	0.02529	-0.05979	0.19715	-0.06416	0.16632	-0.06482	0.16194
0.29481	-0.15753	0.00063	-0.09968	0.03127	-0.10091	0.02922	0.067221	0.14695
0.37229	-0.25411	2.57E-08	-0.08506	0.06628	-0.10912	0.01833	0.076089	0.10053
0.10745	0.017996	0.69809	0.088152	0.05697	-0.01602	0.72988	0.213916	3.09E-06
0.08025	-0.07408	0.10986	-0.12035	0.00923	-0.02824	0.54274	0.304091	1.90E-11
0.41205	-0.18994	3.61E-05	-0.10113	0.02888	-0.06608	0.15394	-0.14946	0.0012
0.04697	0.023304	0.61545	0.036877	0.42658	-0.00127	0.97817	-0.22756	6.70E-07
0.01487	-0.18455	6.02E-05	-0.0012	0.97942	-0.00645	0.88943	-0.11549	0.01251
6.42E-07	-0.02326	0.61606	0.132426	0.00415	0.165988	0.00032	0.187704	4.47E-05
0.01088	-0.09929	0.03193	-0.08446	0.06822	-0.11495	0.01293	-0.12776	0.00569
2.16E-09	0.012286	0.79116	0.143095	0.00194	0.181782	7.79E-05	0.125006	0.00684
3.07E-07	-0.09543	0.03926	-0.14569	0.0016	-0.1682	0.00026	-0.02235	0.62996
0.09008	0.034354	0.45892	0.000697	0.98802	0.043672	0.34635	0.13013	0.00485
0.44022	0.093623	0.04315	0.040533	0.38215	0.065902	0.15506	0.067147	0.14739
0.34919	0.059942	0.19599	0.021829	0.63799	0.026833	0.56299	-0.00117	0.97996

1.65E-07	0.175003	0.00014	0.069007	0.13648	0.183016	6.95E-05	-0.0169	0.71565
0.01739	-0.19376	2.49E-05	-0.01704	0.71333	0.006532	0.88805	-0.0988	0.0328
0.52521	-0.24044	1.45E-07	-0.18487	5.84E-05	-0.17219	0.00018	-0.12838	0.00546
2.62E-05	-0.3029	2.30E-11	-0.35009	6.53E-15	-0.35002	6.62E-15	-0.16391	0.00038
0.0375	-0.19893	1.49E-05	-0.17245	0.00018	-0.17518	0.00014	-0.06352	0.17059
0.66988	0.013177	0.7764	0.011981	0.79624	0.013797	0.76619	0.045887	0.32242
3.62E-05	-0.0467	0.31391	0.179388	9.70E-05	0.16809	0.00026	0.124274	0.00717
0.48969	-0.28935	1.85E-10	-0.24142	1.28E-07	-0.2263	7.75E-07	0.018462	0.69068
0.59302	0.010623	0.81891	0.148668	0.00127	0.061947	0.18143	0.070413	0.12865
0.84756	-0.15672	0.00068	-0.09065	0.05026	-0.06824	0.1409	0.048329	0.29732
0.02996	-0.12219	0.00821	-0.01235	0.7901	0.005548	0.90483	0.024814	0.59274
0.34967	-0.13383	0.00376	0.037352	0.42064	-0.00783	0.86607	-0.06619	0.15323
0.07539	0.011203	0.8092	0.021667	0.64048	-0.02786	0.5481	0.00289	0.95034
0.07614	0.068121	0.14159	-0.03336	0.47205	-0.01434	0.75734	-0.28912	1.92E-10
0.372	0.077085	0.09615	-0.02786	0.5481	-0.00483	0.91704	0.199858	1.35E-05
0.74495	0.096671	0.03677	-0.21799	1.98E-06	-0.07835	0.09078	0.041571	0.37007
0.4342	0.069685	0.13266	0.036835	0.4271	0.021423	0.64424	0.032193	0.48767
8.14E-08	0.377363	2.98E-17	0.183604	6.58E-05	0.268088	3.96E-09	0.195604	2.07E-05
1.54E-14	0.284126	4.03E-10	0.322472	9.22E-13	0.326694	4.47E-13	0.423418	9.71E-22
0.26342	-0.10502	0.02323	-0.16942	0.00024	-0.11457	0.01323	0.028159	0.54384
0.08862	0.122091	0.00826	0.052934	0.2536	0.039944	0.38911	0.248837	5.07E-08
3.32E-06	-0.08344	0.07162	-0.1374	0.00293	-0.18856	4.12E-05	0.176617	0.00012
0.02552	-0.16616	0.00031	0.000756	0.987	0.014188	0.75976	0.187483	4.56E-05
1.19E-05	-0.12017	0.00934	-0.1575	0.00064	-0.21259	3.57E-06	-0.02315	0.61776
0.01842	-0.07404	0.11004	0.086101	0.06301	0.088838	0.05505	0.17528	0.00014
2.11E-05	-0.0613	0.18602	0.048236	0.29824	0.09995	0.03081	0.169745	0.00023
0.16818	-0.096	0.03811	-0.09389	0.04256	-0.1198	0.00956	0.082416	0.0752
7.86E-05	0.035462	0.44455	0.189612	3.72E-05	0.178573	0.0001	0.065289	0.15895
0.55007	-0.03122	0.50089	-0.07323	0.11402	-0.05614	0.22592	0.122886	0.00785
0.57269	-0.07757	0.09405	-0.00185	0.96812	-0.03279	0.47961	0.005372	0.90782
1.51E-06	-0.26372	7.18E-09	-0.23846	1.84E-07	-0.26537	5.74E-09	-0.03725	0.42195
2.12E-07	-0.29185	1.27E-10	-0.33809	5.97E-14	-0.36262	5.85E-16	-0.06684	0.14923
0.00221	-0.18007	9.11E-05	-0.16304	0.0004	-0.18134	8.12E-05	-0.16184	0.00045
0.37109	-0.20924	5.11E-06	-0.15427	0.00082	-0.18242	7.34E-05	0.01061	0.81913
0.15348	-0.2218	1.29E-06	-0.23589	2.51E-07	-0.2562	1.96E-08	-0.18482	5.87E-05
3.17E-18	0.13971	0.00248	0.189503	3.76E-05	0.278864	8.67E-10	0.226146	7.89E-07
0.50371	0.031884	0.49186	-0.08513	0.06605	-0.00657	0.88733	-0.00539	0.9075
9.13E-07	0.024715	0.5942	0.135329	0.00339	0.095779	0.03854	-0.01229	0.79103
1.57E-06	0.016638	0.71989	0.057592	0.21413	0.100687	0.02959	-0.18766	4.49E-05
0.58983	-0.06892	0.13696	-0.11225	0.01523	-0.04526	0.32904	0.151533	0.00102
0.10775	-0.02656	0.567	0.055286	0.23308	0.071236	0.12423	-0.1083	0.01924
0.10124	0.1273	0.00587	0.146314	0.00152	0.100671	0.02961	0.03342	0.47123
4.77E-09	0.399575	2.50E-19	0.348064	9.55E-15	0.400535	2.01E-19	0.057207	0.21722
1.04E-08	-0.16885	0.00025	-0.1441	0.0018	-0.21803	1.97E-06	-0.16705	0.00029
2.52E-10	0.103933	0.0247	0.099099	0.03227	0.19696	1.81E-05	0.361921	6.71E-16

0.00051	0.461761	4.85E-26	0.193256	2.61E-05	0.263595	7.31E-09	0.114951	0.01293
4.93E-18	0.047808	0.30256	0.072478	0.11779	0.225272	8.72E-07	0.17547	0.00014
0.72434	0.001217	0.97908	0.023797	0.60799	0.021025	0.65042	-0.04344	0.34888
0.64767	-0.08924	0.05395	-0.03424	0.46043	-0.00181	0.96884	0.033427	0.47114
0.82683	0.002198	0.96221	-0.02947	0.52529	-0.01073	0.81704	0.074052	0.11
0.73952	0.062821	0.17533	0.006211	0.89352	0.031242	0.50063	0.116772	0.01156
0.32476	0.072397	0.1182	0.054336	0.24122	0.0703	0.12927	-0.06809	0.14176
0.54277	0.002956	0.94921	0.044519	0.33708	0.014495	0.75472	-0.12787	0.00565
0.85523	-0.15289	0.00092	-0.09653	0.03704	-0.05524	0.23347	-0.02534	0.58498
1.77E-29	0.46239	4.08E-26	0.221754	1.30E-06	0.416913	4.61E-21	0.337743	6.35E-14
1.08E-08	0.243551	9.85E-08	0.223425	1.08E-06	0.254366	2.49E-08	0.074219	0.1092
0.14626	-0.19593	2.01E-05	-0.17174	0.00019	-0.14855	0.00128	-0.05427	0.24176
0.76364	-0.29825	4.76E-11	-0.14129	0.00221	-0.15005	0.00114	-0.01877	0.68584
0.28285	-0.00883	0.84907	0.019629	0.67223	0.024922	0.59113	0.062001	0.18104
0.20612	0.045019	0.33167	-0.04282	0.35591	0.015222	0.74284	0.187886	4.39E-05
0.93112	-0.27738	1.07E-09	-0.2438	9.54E-08	-0.21957	1.66E-06	0.07311	0.11461
0.00131	0.064908	0.16139	-0.094	0.04231	0.057707	0.21322	-0.00627	0.89248
0.29939	-0.03263	0.4818	0.032157	0.48817	0.048242	0.29819	0.00077	0.98676
0.00051	0.073472	0.11282	0.183112	6.89E-05	0.137892	0.00283	-0.04436	0.33876
0.01788	0.150963	0.00107	0.107396	0.02027	0.106893	0.02087	0.063671	0.16955
0.04871	0.050451	0.27658	0.140887	0.00228	0.150771	0.00108	0.036691	0.42892
0.55465	0.003084	0.947	-0.02046	0.65917	-0.00864	0.85227	-0.14865	0.00127
2.78E-05	0.097439	0.03529	0.117486	0.01106	0.139413	0.00253	-0.01024	0.82535
0.27961	0.041006	0.37661	-0.15455	0.0008	-0.07616	0.10021	0.014127	0.76075
0.12031	-0.11276	0.01477	-0.20129	1.17E-05	-0.11939	0.00981	0.035199	0.44794
0.68084	-0.14059	0.00233	-0.13729	0.00295	-0.10045	0.02997	-0.18231	7.42E-05
0.62532	-0.07215	0.11947	-0.08886	0.055	-0.08982	0.05241	-0.05945	0.1997
0.05982	-0.09396	0.04239	-0.10087	0.02929	-0.03678	0.42786	-0.08685	0.06075
1.19E-07	-0.06641	0.15189	-0.19998	1.34E-05	-0.20832	5.63E-06	-0.12166	0.00849
1.73E-10	0.158472	0.00059	0.277553	1.05E-09	0.286718	2.75E-10	0.182318	7.41E-05
0.06216	-0.07082	0.12643	-0.08606	0.06313	-0.11406	0.01365	-0.12069	0.00904
3.31E-08	-0.27465	1.58E-09	-0.40359	1.01E-19	-0.35728	1.66E-15	-0.07883	0.08882
0.05222	0.150602	0.0011	-0.10908	0.01837	0.032265	0.4867	0.481809	1.62E-28
0.01291	-0.04103	0.37636	-0.15357	0.00087	-0.0609	0.18892	0.142233	0.00206
0.19627	-0.14011	0.00241	-0.2043	8.58E-06	-0.18932	3.83E-05	0.461879	4.69E-26
2.43E-08	-0.11996	0.00946	-0.29767	5.20E-11	-0.28381	4.22E-10	-0.13361	0.00382
0.28502	-0.03619	0.43528	8.21E-05	0.99859	-0.03217	0.48793	-0.1307	0.00467
0.95961	0.050686	0.27435	0.04285	0.35551	0.037724	0.41603	0.002919	0.94984
1.85E-10	0.222722	1.17E-06	0.272043	2.28E-09	0.32026	1.34E-12	-0.10952	0.0179
0.00061	0.007073	0.87884	0.083282	0.07217	0.119437	0.00978	0.20242	1.04E-05
0.00317	-0.05521	0.23375	0.043068	0.35307	0.085855	0.06377	-0.19949	1.40E-05
4.98E-07	0.360219	9.37E-16	0.216643	2.30E-06	0.263491	7.41E-09	0.167326	0.00028
0.36171	0.030384	0.51247	-0.01893	0.6833	-0.01968	0.67141	0.246568	6.75E-08
0.03169	-0.04767	0.30394	0.086623	0.06142	0.089025	0.05454	0.021674	0.64038
0.0165	-0.20872	5.40E-06	-0.16261	0.00042	-0.18571	5.40E-05	-0.07393	0.1106

3.50E-15	0.129358	0.00511	0.054664	0.23839	0.244532	8.71E-08	0.292364	1.18E-10
0.00027	-0.23777	2.00E-07	-0.14414	0.00179	-0.19633	1.93E-05	-0.34628	1.33E-14
0.00406	-0.15827	0.0006	-0.17083	0.00021	-0.19879	1.51E-05	-0.21389	3.10E-06
0.54188	-0.13995	0.00244	-0.12101	0.00885	-0.07915	0.08754	0.104986	0.02327
1.04E-06	0.31888	1.69E-12	0.346997	1.17E-14	0.338428	5.61E-14	-0.13324	0.00392
0.71289	-0.2818	5.67E-10	-0.21007	4.68E-06	-0.20527	7.76E-06	-0.11016	0.01724
0.132	-0.21132	4.09E-06	-0.05292	0.25373	-0.06396	0.1676	-0.07128	0.12401
0.00177	-0.14833	0.00131	-0.32709	4.17E-13	-0.2528	3.05E-08	-0.08632	0.06235
0.03282	-0.03047	0.51125	-0.16621	0.00031	-0.13626	0.00317	0.117162	0.01128
0.00532	-0.03675	0.42822	0.206126	7.10E-06	0.170831	0.00021	0.122218	0.00819
0.36173	-0.18333	6.75E-05	-0.13557	0.00333	-0.14472	0.00171	0.018956	0.68284
0.00631	0.017895	0.69972	-0.0567	0.2213	0.011229	0.80876	0.183642	6.55E-05
0.00075	0.383113	8.95E-18	0.404368	8.48E-20	0.32314	8.23E-13	0.132114	0.00424
0.06116	-0.0151	0.74491	0.118882	0.01013	0.133946	0.00373	-0.05183	0.26369
0.00061	0.311043	6.20E-12	0.345084	1.66E-14	0.341508	3.21E-14	0.179706	9.43E-05
0.08955	-0.22692	7.21E-07	-0.14985	0.00116	-0.09159	0.04792	0.315627	2.92E-12
0.00027	-0.10439	0.02407	-0.20381	9.02E-06	-0.20972	4.86E-06	-0.22778	6.53E-07
0.03566	-0.0493	0.28774	0.037914	0.41368	0.033976	0.46388	0.073648	0.11196
0.96671	-0.02093	0.65195	0.001448	0.9751	0.011277	0.80796	-0.34793	9.80E-15
0.03162	-0.10169	0.028	-0.05507	0.23494	-0.09016	0.05151	-0.03566	0.44208
0.10163	-0.29062	1.53E-10	-0.20495	8.02E-06	-0.19431	2.36E-05	-0.22669	7.41E-07
9.42E-05	-0.11221	0.01526	0.248431	5.33E-08	0.155644	0.00074	-0.09588	0.03834
0.78199	-0.04419	0.34067	0.027587	0.55206	-0.01428	0.75825	0.067776	0.14363
0.66518	-0.06054	0.19158	-0.01618	0.72734	-3.79E-05	0.99935	-0.02023	0.66279
0.01184	0.040389	0.38385	0.022564	0.6267	0.063613	0.16994	-0.0459	0.32226
0.09091	-0.09925	0.03201	-0.08863	0.05562	-0.0058	0.90045	-0.19269	2.76E-05
0.07905	-0.02051	0.65845	-0.06785	0.14318	0.001193	0.97948	-0.07747	0.09449
0.32839	-0.1935	2.55E-05	-0.14538	0.00163	-0.11225	0.01523	-0.1622	0.00043
0.01108	-0.26961	3.20E-09	-0.11611	0.01204	-0.18401	6.33E-05	-0.25798	1.55E-08
0.00259	-0.21291	3.45E-06	-0.03263	0.48185	-0.02378	0.60828	-0.1794	9.69E-05
0.97491	-0.07874	0.08919	-0.01905	0.68131	-0.03286	0.47865	0.097957	0.03432
8.09E-20	0.263896	7.02E-09	0.278247	9.47E-10	0.369372	1.53E-16	0.249488	4.66E-08
7.12E-05	-0.14195	0.00211	-0.01627	0.72586	0.019135	0.68002	-0.041	0.37663
3.74E-05	0.100999	0.02908	0.19434	2.35E-05	0.206044	7.16E-06	0.084111	0.06937
0.25195	-0.01996	0.66704	-0.11494	0.01294	-0.08703	0.0602	0.145867	0.00157
0.27039	-0.23794	1.96E-07	-0.1249	0.00688	-0.15734	0.00064	0.093865	0.04261
0.05934	0.08861	0.05568	0.035505	0.44399	0.090275	0.05122	0.073467	0.11285
7.43E-13	-0.22627	7.77E-07	-0.32609	4.95E-13	-0.34928	7.61E-15	-0.01242	0.78898
0.93998	-0.0666	0.15075	-0.04656	0.31539	-0.06242	0.17814	-0.0931	0.04434
0.00242	-0.12995	0.00491	-0.00336	0.94224	0.018477	0.69044	-0.07055	0.12791
0.92529	-0.03948	0.39469	-0.07779	0.09313	-0.04709	0.30987	-0.06355	0.17035
0.32957	0.026167	0.57272	-0.13654	0.00311	-0.08758	0.05861	0.469564	5.52E-27
0.87771	-0.0918	0.0474	-0.09834	0.03363	-0.04635	0.31757	0.002166	0.96277
2.80E-05	-0.03465	0.45502	-0.00221	0.96208	0.055258	0.23332	0.28988	1.71E-10
0.22192	-0.01982	0.66919	0.003557	0.93889	-0.02773	0.55	0.078972	0.08825

0.9754	-0.02549	0.58273	0.02204	0.63474	0.013874	0.76492	-0.12262	0.00798
0.05974	-0.1536	0.00087	-0.12489	0.00689	-0.16716	0.00029	-0.0346	0.4557
0.31587	-0.20111	1.19E-05	-0.09157	0.04797	-0.07987	0.08469	-0.02438	0.59922
3.34E-07	-0.02427	0.60086	0.052402	0.25841	0.107468	0.02018	0.471708	3.01E-27
1.68E-10	0.101909	0.02766	0.246576	6.74E-08	0.271573	2.44E-09	0.039407	0.39553
1.41E-07	-0.21556	2.59E-06	0.057751	0.21288	0.081371	0.07898	0.061632	0.18366
0.57881	-0.09564	0.03883	-0.06549	0.15766	-0.06581	0.15564	-0.15531	0.00076
0.0003	0.122139	0.00824	0.108111	0.01945	0.161947	0.00044	-0.02491	0.59136
0.61683	0.261735	9.39E-09	0.126417	0.00623	0.135683	0.0033	0.314772	3.36E-12
0.39906	0.051598	0.26579	-0.06731	0.14642	-0.00738	0.87364	0.280441	6.90E-10
0.01702	-0.01534	0.74094	0.086171	0.06279	0.090948	0.04951	-0.02893	0.53291
0.71538	-0.34836	9.03E-15	-0.26509	5.96E-09	-0.22552	8.48E-07	0.101408	0.02844
0.02017	-0.10282	0.02629	-0.13666	0.00308	-0.06517	0.15971	-0.15006	0.00114
4.76E-07	-0.17363	0.00016	0.044959	0.33232	0.080491	0.08229	0.160301	0.00051
0.70969	-0.1365	0.00312	-0.11449	0.0133	-0.12041	0.0092	0.027522	0.553
5.38E-05	-0.20821	5.70E-06	0.065969	0.15464	0.03499	0.45064	-0.09518	0.03979
0.90746	-0.09191	0.04713	-0.02099	0.65095	-0.03974	0.39156	0.024086	0.60364
0.92801	-0.19796	1.64E-05	-0.09205	0.04681	-0.12063	0.00907	0.011399	0.80593
1.73E-05	-0.08254	0.07476	0.049636	0.28443	0.108273	0.01926	0.267456	4.32E-09
0.98329	0.150464	0.00111	-0.06684	0.14928	-0.03835	0.40834	0.152726	0.00093
0.00116	0.227873	6.46E-07	0.085707	0.06423	0.18866	4.08E-05	0.248668	5.18E-08
0.45712	0.243464	9.95E-08	0.102536	0.02671	0.122978	0.0078	0.31342	4.20E-12
1.21E-08	-0.20769	6.02E-06	-0.23731	2.12E-07	-0.25682	1.80E-08	-0.25819	1.51E-08
0.05721	-0.02234	0.63014	-0.0318	0.49306	-0.00849	0.85485	-0.25956	1.26E-08
0.11659	-0.10476	0.02357	-0.15462	0.0008	-0.16205	0.00044	-0.0182	0.6949
0.01614	-0.03945	0.39506	-0.00765	0.86904	-0.06445	0.16441	0.24145	1.28E-07
0.07278	-0.05429	0.24161	-0.02254	0.62714	-0.04423	0.34017	-0.08458	0.06783
0.05689	0.122518	0.00804	0.087111	0.05997	0.13568	0.00331	-0.17501	0.00014
9.86E-27	0.306124	1.37E-11	0.256426	1.90E-08	0.403185	1.11E-19	0.172196	0.00018
0.00026	-0.01539	0.74005	0.057277	0.21666	0.067975	0.14245	-0.10597	0.022
0.01755	-0.09092	0.04957	-0.15274	0.00093	-0.14314	0.00193	-0.08026	0.08317
0.00137	-0.23402	3.14E-07	0.053254	0.25074	0.052416	0.25829	-0.13127	0.00449
0.00017	-0.2152	2.69E-06	-0.16889	0.00025	-0.19326	2.61E-05	-0.14444	0.00175
0.11285	-0.09777	0.03466	-0.04329	0.35059	-0.05871	0.20539	-0.10614	0.02179
0.00012	-0.1295	0.00507	-0.21171	3.93E-06	-0.22093	1.43E-06	0.115881	0.01221
0.00421	0.106185	0.02173	-0.03867	0.40442	0.015878	0.73218	0.448367	1.78E-24
0.00189	0.316851	2.38E-12	0.162111	0.00044	0.211551	3.99E-06	0.098724	0.03293
3.55E-05	0.379259	2.01E-17	0.163163	0.0004	0.252491	3.17E-08	0.041561	0.37019
0.70152	-0.03225	0.48689	-0.03121	0.50113	-0.0276	0.55181	-0.06801	0.14222
0.00942	-0.07053	0.12804	-0.12657	0.00616	-0.03268	0.48107	0.145254	0.00165
0.0031	-0.17705	0.00012	-0.07952	0.08607	-0.01343	0.77217	-0.00109	0.9812
0.00044	-0.14644	0.00151	-0.21935	1.70E-06	-0.23897	1.73E-07	-0.07172	0.12169
0.29865	0.125649	0.00655	0.142531	0.00202	0.138402	0.00272	0.350781	5.73E-15
0.013	0.196957	1.81E-05	-0.10596	0.02201	0.015052	0.74562	0.085401	0.06519
0.0745	-0.08196	0.07681	0.100418	0.03003	0.076889	0.097	-0.11885	0.01015

0.08473	-0.32632	4.77E-13	-0.18883	4.01E-05	-0.20211	1.08E-05	-0.25454	2.43E-08
0.58697	-0.22426	9.79E-07	-0.12545	0.00664	-0.13112	0.00454	-0.09957	0.03146
0.01649	-0.15892	0.00057	-0.07378	0.11131	-0.01164	0.80185	-0.3797	1.83E-17
0.97374	-0.01843	0.69122	-0.16759	0.00028	-0.07463	0.10723	-0.0045	0.92282
0.29644	-0.04672	0.31368	-0.06404	0.16707	-0.06096	0.18846	-0.08454	0.06797
0.26679	-0.04092	0.37767	-0.05661	0.22203	-0.05885	0.20425	-0.09112	0.04908
0.67209	-0.03341	0.47143	-0.03545	0.44471	-0.02642	0.56899	-0.05504	0.23516
0.75569	0.046855	0.31231	0.020277	0.66206	0.021925	0.63651	-0.00336	0.94231
0.00176	-0.0792	0.08732	0.104734	0.02361	0.103949	0.02468	-0.16544	0.00033
0.10344	0.028775	0.53506	-0.02261	0.62602	0.022475	0.62807	-0.07411	0.10971
0.01873	0.181276	8.16E-05	0.283897	4.17E-10	0.203801	9.04E-06	0.248663	5.18E-08
2.50E-06	0.303731	2.01E-11	0.167483	0.00028	0.249825	4.47E-08	0.207849	5.92E-06
5.03E-14	0.343494	2.23E-14	0.072572	0.11731	0.271521	2.46E-09	0.194706	2.27E-05
3.07E-13	0.064733	0.16253	0.14043	0.00235	0.190377	3.46E-05	0.188754	4.04E-05
5.40E-14	0.124366	0.00713	0.324026	7.07E-13	0.328281	3.39E-13	0.086169	0.0628
0.38538	-0.05471	0.23798	-0.0339	0.46493	-0.02417	0.60238	-0.31676	2.41E-12
0.00144	-0.23911	1.70E-07	-0.22984	5.14E-07	-0.22034	1.52E-06	-0.29546	7.33E-11
0.20093	0.195394	2.12E-05	0.079219	0.08726	0.119464	0.00977	0.492888	5.89E-30
0.53285	-0.04322	0.35141	-0.10411	0.02446	-0.10173	0.02793	-0.11764	0.01095
0.02872	-0.07528	0.1042	-0.02557	0.5815	-0.02913	0.53008	-0.21776	2.03E-06
0.42091	-0.18068	8.62E-05	-0.02448	0.59765	-0.03426	0.46019	0.013926	0.76406
6.04E-18	0.34336	2.29E-14	0.307023	1.19E-11	0.401122	1.77E-19	0.194472	2.32E-05
5.26E-11	0.463766	2.79E-26	0.082987	0.07319	0.286512	2.83E-10	0.034999	0.45052
5.38E-10	0.392493	1.19E-18	0.160892	0.00048	0.299545	3.89E-11	0.119923	0.00949
0.01428	-0.33315	1.44E-13	-0.37891	2.16E-17	-0.27721	1.10E-09	-0.27398	1.74E-09
0.09644	-0.17111	0.0002	-0.09666	0.03678	-0.07232	0.1186	0.169907	0.00023
0.0927	-0.02324	0.61645	-0.07749	0.09439	0.010412	0.82245	0.072417	0.1181
1.22E-15	0.028253	0.54249	0.246545	6.77E-08	0.277582	1.04E-09	0.171375	0.0002
0.8411	-0.05578	0.22889	-0.01151	0.80402	-0.02551	0.58244	-0.12639	0.00624
0.22994	-0.03776	0.41562	-0.03279	0.47964	-0.04204	0.36468	-0.10186	0.02773
0.0216	0.00695	0.88093	0.059787	0.19715	0.073676	0.11182	0.310796	6.46E-12
0.8534	0.190741	3.34E-05	0.061247	0.18642	0.078896	0.08856	0.127719	0.00571
0.01483	-0.04531	0.32851	0.056119	0.22611	0.092116	0.04664	0.252424	3.20E-08
0.07647	0.149735	0.00117	0.091887	0.04719	0.123827	0.00738	0.222378	1.21E-06
0.93125	0.091099	0.04913	0.098343	0.03361	0.071681	0.12189	-0.01576	0.73404
0.02795	0.013776	0.76653	-0.04008	0.38751	-0.06274	0.1759	-0.07331	0.1136
0.87659	-0.02473	0.594	2.54E-05	0.99956	0.008037	0.86249	-0.06451	0.16398
0.00027	-0.22444	9.59E-07	0.01753	0.70555	0.035986	0.43785	0.080667	0.08162
0.00169	-0.24529	7.93E-08	-0.04671	0.31377	-0.01791	0.69948	0.137845	0.00283
0.00038	-0.29651	6.23E-11	-0.02275	0.62392	-0.01251	0.78748	0.158211	0.0006
3.40E-06	-0.25356	2.76E-08	0.08663	0.0614	0.065821	0.15557	0.150244	0.00113
0.29436	-0.00495	0.91505	0.02537	0.58447	0.052078	0.26137	0.070275	0.1294
0.01637	0.11535	0.01262	0.109044	0.01841	0.016421	0.72339	-0.00242	0.95838
2.46E-07	-0.26274	8.21E-09	-0.16302	0.0004	-0.26325	7.65E-09	-0.06022	0.19392
1.83E-06	-0.06884	0.13741	-0.1079	0.01968	-0.16758	0.00028	-0.03126	0.50045

2.83E-10	0.055495	0.23132	0.094558	0.0411	0.126952	0.00601	-0.10092	0.0292
1.04E-18	0.113422	0.01419	0.26755	4.26E-09	0.327814	3.68E-13	0.018284	0.69351
0.04509	0.090185	0.05146	0.31408	3.77E-12	0.141583	0.00216	0.017107	0.71234
0.0005	0.095048	0.04006	0.079496	0.08616	0.108252	0.01929	0.263313	7.59E-09
0.71193	-0.01703	0.71362	0.024665	0.59495	0.02076	0.65453	-9.57E-05	0.99835
0.99118	0.12464	0.007	0.005963	0.89774	0.038455	0.40705	0.44882	1.58E-24
0.06687	0.014411	0.7561	-0.02497	0.59037	-0.03882	0.40264	0.11179	0.01565
0.40559	-0.04972	0.28359	-0.02464	0.5953	-0.03297	0.47728	-0.01001	0.82911
0.03977	0.047288	0.30785	0.108776	0.01871	0.101342	0.02854	0.003684	0.93671
0.00576	0.022441	0.62859	0.024648	0.59521	0.07186	0.12096	0.216101	2.44E-06
0.98084	0.121861	0.00838	0.021082	0.64954	0.063909	0.16796	0.103489	0.02532
0.44124	-0.02458	0.59621	-9.27E-05	0.99841	0.007555	0.87065	-0.01331	0.77417
0.68507	-0.0485	0.2956	-0.02372	0.60919	-0.02853	0.53853	-0.02342	0.61372
0.0046	0.072097	0.11974	-0.01323	0.77556	0.084706	0.06742	0.11047	0.01693
0.4957	-0.11584	0.01224	-0.02816	0.54383	-0.02364	0.61031	0.039183	0.39822
0.03259	0.18585	5.33E-05	0.176544	0.00013	0.164406	0.00036	0.016621	0.72015
0.00738	0.044425	0.3381	0.12514	0.00678	0.127327	0.00586	0.139516	0.00251
4.56E-06	0.10342	0.02542	0.185511	5.50E-05	0.184068	6.30E-05	0.291415	1.36E-10
0.22722	-0.0002	0.99648	-0.03115	0.50195	0.041299	0.37321	0.032768	0.47993
0.05095	-0.1681	0.00026	0.006792	0.88362	0.027171	0.55807	0.058147	0.20974
0.1309	0.070099	0.13037	0.013049	0.77852	0.041816	0.36726	0.027345	0.55556
0.88532	0.005197	0.91082	0.025975	0.57554	0.037491	0.41892	0.007925	0.86439
0.10732	-0.09193	0.04708	-0.05516	0.23417	-0.07835	0.09081	-0.15972	0.00053
0.97816	-0.04068	0.38047	0.035321	0.44637	0.011478	0.80461	-0.10056	0.0298
0.21957	0.125508	0.00661	0.043655	0.34654	0.097991	0.03426	0.23932	1.66E-07
2.94E-06	0.058805	0.20463	0.210866	4.30E-06	0.221017	1.41E-06	0.126204	0.00632
0.00263	-0.09748	0.0352	0.03596	0.43818	0.081559	0.07829	0.088113	0.05708
0.0023	0.038434	0.4073	0.179829	9.32E-05	0.166721	0.0003	0.158483	0.00059
0.01641	0.020364	0.6607	0.108071	0.01949	0.143775	0.00184	0.047346	0.30726
0.05068	-0.21335	3.29E-06	-0.15676	0.00068	-0.10869	0.0188	0.109649	0.01777
0.29664	-0.02024	0.66271	-0.05014	0.27958	-0.05363	0.24736	-0.05419	0.2425
0.65478	-0.08645	0.06194	-0.04146	0.37134	-0.05508	0.23485	-0.0134	0.77268
4.19E-06	0.513085	1.01E-32	0.216043	2.45E-06	0.286335	2.91E-10	0.219191	1.73E-06
0.00122	-0.06919	0.13544	-0.10692	0.02083	-0.17519	0.00014	-0.17007	0.00022
0.09024	-0.11909	0.01	-0.0597	0.1978	-0.00456	0.92168	0.149183	0.00122
0.00013	-0.15973	0.00053	-0.2981	4.87E-11	-0.2474	6.08E-08	0.263342	7.56E-09
1.88E-12	-0.09435	0.04155	-0.13876	0.00265	0.057816	0.21236	0.416537	5.04E-21
0.02495	-0.02197	0.63576	-0.20373	9.10E-06	-0.06338	0.17154	-0.07797	0.09237
0.0157	-0.01219	0.79275	-0.0185	0.6901	0.063463	0.17095	0.05814	0.2098
4.96E-09	0.135588	0.00333	-0.01637	0.72416	0.114471	0.01331	0.242737	1.09E-07
0.76249	-0.19457	2.30E-05	-0.16543	0.00033	-0.17036	0.00022	-0.16734	0.00028
0.1894	-0.03716	0.42306	-0.12222	0.00819	-0.08877	0.05525	-0.12917	0.00518
0.40192	-0.12233	0.00813	-0.00995	0.83025	0.000278	0.99522	0.078323	0.0909
0.01189	0.06552	0.15747	0.109291	0.01815	0.097891	0.03444	0.022298	0.63077
3.33E-07	0.34321	2.35E-14	0.27058	2.80E-09	0.283778	4.24E-10	0.176643	0.00012



0.24841	-0.05796	0.21123	-0.06271	0.17611	-0.04739	0.30682	-0.07533	0.10398
0.05533	-0.04253	0.35917	-0.03572	0.44122	-0.05349	0.24861	-0.03693	0.42591
0.61782	0.020286	0.66193	-0.0342	0.46098	-0.03461	0.45558	0.071102	0.12494
0.24102	0.005697	0.90228	-0.03241	0.48474	-0.01989	0.66808	0.010578	0.81965
0.02375	-0.09713	0.03587	-0.0889	0.0549	-0.10552	0.02257	-0.08117	0.07973
0.37622	-0.0578	0.21246	-0.05782	0.2123	-0.05322	0.25108	0.01672	0.71857
0.82967	-0.0056	0.90395	0.013978	0.76321	0.012416	0.789	0.027247	0.55697
0.07066	-0.21045	4.49E-06	-0.00763	0.86945	-0.02739	0.55494	0.011894	0.79767
0.55775	-0.05505	0.23507	-0.0794	0.08654	-0.06091	0.18885	0.050798	0.27329
0.72432	-0.08083	0.08098	0.000581	0.99002	-0.03204	0.48977	-0.0283	0.54179
0.00045	0.090908	0.04961	0.145969	0.00156	0.175205	0.00014	0.279513	7.89E-10
0.48684	0.204332	8.55E-06	0.149253	0.00122	0.140371	0.00236	0.040052	0.38784
0.51186	0.070436	0.12853	0.078209	0.09138	0.084368	0.06852	0.023537	0.61191
0.92637	0.019837	0.66896	0.029108	0.53034	0.004081	0.92991	0.086671	0.06128
0.03527	-0.12953	0.00506	-0.05282	0.25465	-0.02028	0.66206	-0.0784	0.0906
0.04037	-0.13038	0.00477	0.096894	0.03633	0.051621	0.26558	0.070392	0.12876
0.14463	0.320228	1.35E-12	0.165708	0.00032	0.153222	0.00089	0.229052	5.64E-07
4.97E-11	0.234648	2.91E-07	0.217767	2.03E-06	0.26756	4.26E-09	0.2528	3.05E-08
0.5124	-0.16376	0.00038	-0.12885	0.00529	-0.11636	0.01186	-0.14011	0.00241
0.40131	0.029554	0.52406	0.078146	0.09164	0.015484	0.73859	0.000389	0.9933
0.73173	-0.0927	0.04527	-0.02794	0.54697	-0.04639	0.31711	-0.11789	0.01078
0.35758	0.201174	1.18E-05	0.171257	0.0002	0.17288	0.00017	0.310987	6.26E-12
0.09506	-0.04066	0.3807	-0.01685	0.71651	-0.01665	0.71967	0.262003	9.06E-09
0.00846	-0.12462	0.00701	-0.10926	0.01818	-0.17561	0.00014	0.072029	0.12009
0.00012	-0.11219	0.01528	-0.1393	0.00255	-0.18216	7.52E-05	-0.16689	0.00029
0.00012	0.324337	6.70E-13	0.214389	2.94E-06	0.254432	2.47E-08	0.134792	0.00352
0.65551	0.062168	0.17987	0.004607	0.9209	0.007321	0.87463	0.170217	0.00022
0.65375	-0.11473	0.01311	-0.01925	0.6782	-0.01374	0.76717	0.036747	0.42822
6.79E-07	0.008223	0.85934	-0.00808	0.86169	-0.10249	0.02677	0.161507	0.00046
0.62928	-0.02031	0.66155	0.047221	0.30854	0.041178	0.37462	0.053367	0.24973
0.01762	-0.0209	0.65233	0.07987	0.08468	0.109319	0.01812	0.129637	0.00502
6.11E-11	0.071228	0.12427	0.265288	5.81E-09	0.284366	3.89E-10	0.214388	2.94E-06
0.12285	0.074092	0.10981	0.073386	0.11324	0.10961	0.01781	0.12848	0.00543
0.57022	0.039223	0.39774	0.128921	0.00527	0.095546	0.03902	0.070335	0.12907
0.10356	-0.05375	0.24635	-0.04609	0.32032	-0.05972	0.19762	-0.16248	0.00042
0.78495	-0.0959	0.03829	-0.04861	0.29452	-0.026	0.57511	0.327734	3.73E-13
0.00745	-0.09595	0.0382	-0.02106	0.64988	0.006913	0.88156	0.126082	0.00637
0.63569	-0.00531	0.90887	-0.04804	0.30017	0.033095	0.47556	0.129919	0.00492
0.08309	-0.2179	2.00E-06	-0.09092	0.04957	-0.12176	0.00844	-0.08339	0.07179
0.12915	-0.02245	0.62842	0.048284	0.29776	0.00453	0.92223	-0.00598	0.89741
0.00615	-0.13807	0.00279	-0.03923	0.3976	0.003802	0.9347	0.030833	0.50626
1.98E-06	0.155248	0.00076	0.182614	7.21E-05	0.206269	6.99E-06	-0.06581	0.15565
0.80535	-0.04485	0.33351	0.00407	0.9301	0.006372	0.89076	0.010523	0.82058
0.00347	0.127343	0.00586	0.205026	7.96E-06	0.152448	0.00095	-0.01929	0.67759
0.97427	-0.06399	0.16742	-0.04559	0.32553	-0.0658	0.15573	-0.09845	0.03342

0.36111	-0.0175	0.70599	-0.0082	0.85969	-0.02418	0.60225	-0.01046	0.8216
0.13046	-0.12464	0.007	-0.20397	8.88E-06	-0.15033	0.00112	0.268521	3.73E-09
0.23696	-0.06093	0.18874	-0.01873	0.68635	0.019486	0.67449	-0.04593	0.32192
7.60E-13	0.202322	1.05E-05	0.368589	1.79E-16	0.354221	2.98E-15	0.126355	0.00625
0.00037	-0.06189	0.18182	-0.09147	0.0482	-0.03246	0.48407	0.408442	3.34E-20
0.05777	0.008589	0.85314	0.085655	0.06439	0.013443	0.77201	-0.0773	0.09521
0.47614	0.029142	0.52987	0.069468	0.13387	0.024039	0.60434	-0.03794	0.41341
0.73838	-0.02353	0.61198	-0.00507	0.91293	-0.00725	0.87576	-0.18221	7.49E-05
0.10136	-0.0432	0.35163	0.301665	2.79E-11	0.148587	0.00128	-0.20499	7.99E-06
0.68196	0.098718	0.03294	0.129486	0.00507	0.108564	0.01894	0.090817	0.04984
1.18E-05	0.030331	0.5132	0.019372	0.67627	0.137415	0.00292	-0.04288	0.35513
2.69E-11	0.185144	5.69E-05	0.142453	0.00203	0.21751	2.09E-06	0.010805	0.81586
0.34219	0.085742	0.06412	-0.01215	0.79344	-0.00428	0.92657	0.26305	7.87E-09
0.73389	-0.09997	0.03078	-0.0455	0.32652	-0.02972	0.52178	-0.06238	0.1784
0.00038	0.066261	0.15282	-0.0542	0.24239	0.086364	0.06221	-0.11539	0.01259
0.82418	-0.07257	0.11734	-0.03082	0.50645	-0.03845	0.40705	-0.04496	0.3323
0.02337	-0.04866	0.29401	0.006089	0.89559	0.001799	0.96907	0.319061	1.64E-12
0.15373	0.227327	6.89E-07	0.097401	0.03536	0.089753	0.05259	0.29889	4.31E-11
0.43648	-0.24531	7.91E-08	-0.10425	0.02427	-0.07981	0.0849	-0.02715	0.55841
0.13033	0.04119	0.37448	0.005754	0.90131	0.049588	0.28489	0.061027	0.18801
0.80172	0.064423	0.16456	0.012881	0.7813	-0.00776	0.86715	0.127543	0.00578
0.02211	-0.14584	0.00158	-0.0166	0.72056	-0.01703	0.7135	-0.02437	0.59944
0.1201	0.142857	0.00197	-0.02652	0.56748	0.05113	0.27016	-0.0666	0.15071
0.03296	0.199413	1.42E-05	0.102957	0.02609	0.126132	0.00635	-0.01804	0.69732
2.96E-09	0.401669	1.56E-19	0.381068	1.38E-17	0.356805	1.82E-15	0.337538	6.59E-14
8.04E-08	-0.07106	0.12519	0.112085	0.01538	0.124518	0.00706	0.094569	0.04108
8.76E-05	-0.03634	0.43341	-0.09906	0.03234	-0.13172	0.00435	-0.14957	0.00119
0.35781	-0.28866	2.06E-10	-0.1606	0.00049	-0.19859	1.54E-05	-0.1818	7.78E-05
0.01867	-0.00419	0.92804	0.087905	0.05767	0.067015	0.14819	0.073211	0.11411
0.2856	-0.11987	0.00952	-0.03798	0.41282	-0.04781	0.30258	-0.11026	0.01714
1.40E-09	0.263447	7.46E-09	0.340738	3.69E-14	0.34772	1.02E-14	0.434112	6.95E-23
0.00019	0.010259	0.825	0.059883	0.19644	0.073177	0.11428	-0.02642	0.569
0.00435	0.078767	0.08908	0.091341	0.04853	0.097051	0.03603	0.060423	0.19243
2.02E-10	-0.21517	2.70E-06	-0.30207	2.62E-11	-0.28612	3.00E-10	-0.04086	0.37832
3.76E-07	0.054341	0.24118	0.021457	0.64372	0.187918	4.38E-05	0.098916	0.03259
0.00396	-0.18173	7.82E-05	-0.12811	0.00556	-0.05437	0.2409	-0.30523	1.58E-11
0.00829	0.092848	0.04492	0.057152	0.21766	0.086023	0.06325	0.058613	0.20611
3.50E-08	-0.0246	0.59587	0.074721	0.10682	0.130148	0.00485	-0.12451	0.00706
6.10E-05	-0.21528	2.67E-06	-0.29577	6.99E-11	-0.27768	1.03E-09	-0.24586	7.38E-08
0.00041	-0.1902	3.52E-05	-0.08825	0.05669	-0.02765	0.55108	0.18266	7.18E-05
4.85E-08	-0.20388	8.97E-06	-0.19947	1.41E-05	-0.2434	1.00E-07	-0.24255	1.11E-07
0.87687	-0.13126	0.00449	-0.00889	0.84806	-0.05152	0.26652	0.111769	0.01567
0.03996	0.261533	9.65E-09	0.090332	0.05107	0.135775	0.00328	-0.02177	0.63883
5.55E-10	-0.18619	5.16E-05	-0.2659	5.35E-09	-0.25167	3.53E-08	-0.02845	0.53971
0.03716	-0.05741	0.21559	-0.05087	0.27261	-0.05313	0.25186	-0.21306	3.40E-06

0.59844	-0.05471	0.23798	-0.03551	0.444	-0.09371	0.04295	0.084711	0.0674
0.12185	0.073468	0.11284	0.059216	0.20147	0.090066	0.05176	-0.05685	0.22013
9.54E-10	-0.14257	0.00201	0.15985	0.00053	0.17575	0.00013	-0.15861	0.00058
0.17821	0.06749	0.14533	-0.0064	0.89025	0.052681	0.25588	-0.17213	0.00019
0.32183	0.056027	0.22687	0.048726	0.29336	0.006515	0.88833	-0.0039	0.933
0.00398	-0.13573	0.00329	-0.0777	0.09352	-0.03307	0.4759	0.110372	0.01703
6.96E-11	0.259795	1.22E-08	0.165814	0.00032	0.242283	1.15E-07	0.173139	0.00017
0.01442	-0.08758	0.0586	0.073923	0.11062	0.085629	0.06447	-0.09628	0.03753
0.00369	0.070749	0.12683	0.025308	0.58539	0.052171	0.26052	-0.05286	0.25427
1.74E-06	-0.02487	0.59189	-0.09612	0.03785	-0.13299	0.00399	-0.1958	2.03E-05
0.44052	-0.04306	0.3532	-0.01585	0.73263	-0.02515	0.58775	0.234154	3.09E-07
0.46575	-0.18636	5.08E-05	-0.01458	0.75331	-0.10943	0.018	0.088176	0.0569
0.12977	-0.05495	0.23598	0.062305	0.17891	0.031313	0.49966	-0.18489	5.83E-05
0.21113	0.048164	0.29897	-0.21993	1.60E-06	-0.11272	0.0148	0.074709	0.10688
0.769	-0.11883	0.01016	-0.18557	5.47E-05	-0.13391	0.00374	0.082489	0.07493
0.4798	-0.04605	0.32072	-0.10804	0.01953	-0.06548	0.15773	-0.02034	0.6611
0.00865	-0.10151	0.02828	0.038702	0.40404	0.034569	0.45611	0.08641	0.06207
0.50784	-0.02521	0.5869	-0.05376	0.24629	-0.06583	0.15548	0.066616	0.15063
0.08821	-0.08478	0.06717	-0.1561	0.00071	-0.13739	0.00293	-0.02357	0.61143
8.69E-10	0.38604	4.80E-18	0.195762	2.04E-05	0.305997	1.40E-11	0.311935	5.36E-12
0.02537	0.084842	0.06698	0.054509	0.23973	-0.00932	0.84076	0.088365	0.05637
0.56442	-0.19701	1.80E-05	0.004522	0.92237	-0.04972	0.28357	0.101202	0.02876
0.00689	-0.20376	9.07E-06	-0.30781	1.05E-11	-0.23948	1.62E-07	-0.04008	0.3875
0.09716	-0.3702	1.29E-16	-0.26329	7.62E-09	-0.2492	4.84E-08	-0.11692	0.01145
1.15E-08	-0.21641	2.36E-06	-0.02007	0.66535	0.030589	0.50962	0.145559	0.00161
0.00129	-0.06479	0.16219	-0.03941	0.39555	0.029996	0.51787	0.090663	0.05023
0.00014	-0.05401	0.24406	-0.00248	0.95744	0.072269	0.11885	0.151178	0.00105
0.18382	-0.0782	0.09142	-0.07881	0.08892	-0.08334	0.07197	-0.09185	0.04729
0.76174	0.03783	0.41472	-0.01394	0.76389	-0.00027	0.99542	0.138234	0.00276
0.0005	0.172019	0.00019	0.159941	0.00052	0.180515	8.75E-05	0.115646	0.01239
8.86E-05	-0.09476	0.04066	-0.28584	3.13E-10	-0.08	0.08417	-0.05407	0.2435
4.36E-05	0.159187	0.00055	0.193028	2.67E-05	0.206523	6.81E-06	0.410195	2.23E-20
0.00072	0.157397	0.00064	0.190453	3.43E-05	0.203989	8.86E-06	0.071585	0.1224
0.87274	-0.0093	0.84117	-0.06867	0.13844	-0.04699	0.31092	0.040208	0.38598
0.00081	0.019584	0.67293	-0.1485	0.00129	-0.11119	0.01622	0.174651	0.00015
0.49631	-0.02978	0.52095	-0.05823	0.20908	-0.06133	0.18579	-0.0694	0.13428
1.81E-19	-0.28192	5.57E-10	-0.26329	7.62E-09	-0.36043	8.99E-16	0.03337	0.47189
0.50504	-0.00944	0.83876	0.035652	0.44212	0.017207	0.71072	-0.10583	0.02217
7.74E-16	-0.02526	0.58604	0.193593	2.53E-05	0.20122	1.18E-05	0.139032	0.0026
0.13604	-0.07114	0.12474	-0.04294	0.35451	-0.07103	0.1253	0.161142	0.00047
0.00757	0.087722	0.05819	0.305869	1.43E-11	0.230683	4.66E-07	0.081527	0.0784
0.01038	-0.06223	0.17945	0.055287	0.23307	0.027788	0.54916	0.153863	0.00085
6.83E-07	-0.05973	0.19758	0.025837	0.57756	0.114102	0.01362	0.161936	0.00044
0.25885	0.131295	0.00448	0.054044	0.24377	0.086128	0.06293	0.10778	0.01982
3.77E-06	-0.12218	0.00821	0.090896	0.04964	0.091089	0.04915	0.288308	2.17E-10

0.01848	-0.20262	1.02E-05	0.054344	0.24115	0.011776	0.79964	-0.00738	0.87367
7.98E-22	-0.10042	0.03003	-0.09672	0.03667	-0.28793	2.29E-10	-0.2274	6.83E-07
0.00745	0.064907	0.1614	0.099351	0.03183	0.109606	0.01782	0.014643	0.7523
3.85E-06	0.246414	6.88E-08	0.0493	0.28771	0.181068	8.32E-05	-0.04541	0.32748
0.59188	-0.02956	0.524	-0.10286	0.02623	-0.01171	0.80066	-0.05961	0.1985
0.00032	0.073536	0.11251	0.105469	0.02264	0.131198	0.00451	0.275745	1.35E-09
0.01312	-0.41332	1.08E-20	-0.19425	2.37E-05	-0.23798	1.95E-07	-0.03694	0.42576
0.10551	0.185372	5.57E-05	0.152854	0.00092	0.141221	0.00222	-0.0381	0.41136
0.77459	0.23513	2.75E-07	-0.1421	0.00208	0.001734	0.97019	0.008409	0.85619
0.28541	0.072804	0.11614	0.051423	0.26742	0.045408	0.3275	0.008513	0.85442
8.99E-09	0.020354	0.66086	0.141084	0.00224	0.173614	0.00016	-0.0078	0.86649
7.42E-10	-0.12446	0.00708	-0.23734	2.11E-07	-0.27177	2.37E-09	0.083723	0.07067
0.44284	-0.20513	7.87E-06	-0.13941	0.00253	-0.1148	0.01305	-0.06212	0.18021
0.05547	-0.10913	0.01832	0.035259	0.44716	0.006189	0.89389	-0.01504	0.74585
0.23043	-0.25086	3.91E-08	-0.02953	0.52443	-0.03616	0.43565	-0.01643	0.72329
0.10058	-0.27123	2.56E-09	0.016547	0.72135	-0.001	0.98277	0.018775	0.68571
0.15995	-0.0368	0.42758	0.0232	0.61702	0.007746	0.86741	-0.05267	0.25593
0.58924	-0.03319	0.47432	0.018433	0.69115	-0.00946	0.83849	-0.03148	0.49739
0.00361	-0.2022	1.07E-05	0.013526	0.77064	0.022978	0.62039	-0.0126	0.78589
0.72011	-0.05856	0.20656	0.012201	0.79258	-0.01065	0.81838	-0.02331	0.61534
0.45743	-0.05194	0.26265	0.045992	0.32131	0.005604	0.90386	0.020303	0.66167
0.51567	-0.20484	8.12E-06	-0.01263	0.78543	-0.06464	0.16311	0.008788	0.84978
0.06593	-0.07953	0.086	9.72E-05	0.99833	0.021845	0.63773	0.054676	0.23829
0.64012	-0.16089	0.00048	-0.04942	0.28656	-0.07373	0.11154	-0.05871	0.20534
0.23061	-0.08263	0.07443	-0.10112	0.0289	-0.09237	0.04603	-0.08942	0.05349
0.55897	-0.11403	0.01367	-0.01976	0.6701	-0.03311	0.47542	0.045013	0.33173
0.95354	-0.1296	0.00503	0.018146	0.69571	-0.05515	0.23421	0.010659	0.8183
0.10813	-0.02687	0.56248	0.021331	0.64567	0.013536	0.77048	-0.07261	0.1171
0.70066	-0.01181	0.799	0.015124	0.74444	-0.01228	0.7912	0.038382	0.40794
0.77003	-0.11216	0.01531	-0.00127	0.97809	-0.02347	0.61294	0.021335	0.64561
0.0257	-0.08584	0.06381	0.031691	0.49448	0.012005	0.79582	-0.00646	0.88927
0.00499	-0.14437	0.00176	-0.02138	0.64485	0.006759	0.88418	-0.0002	0.99651
0.06352	-0.15028	0.00112	-0.07903	0.08803	-0.08522	0.06576	-0.00789	0.86497
0.01778	-0.043	0.3538	0.042637	0.35791	0.050106	0.27988	0.033792	0.46631
0.72206	-0.19537	2.12E-05	-0.03846	0.40704	-0.05978	0.1972	-0.1693	0.00024
0.05036	-0.04568	0.3246	-0.05244	0.25806	0.00148	0.97456	-0.07141	0.12333
0.21752	-0.07392	0.11066	0.025909	0.57651	0.012376	0.78966	-0.10732	0.02035
1.04E-09	0.366019	2.99E-16	0.416016	5.70E-21	0.377036	3.19E-17	0.219288	1.71E-06
3.35E-06	0.363388	5.03E-16	0.227397	6.83E-07	0.273893	1.76E-09	0.190384	3.46E-05
0.00542	-0.07615	0.10026	0.095485	0.03915	0.090694	0.05015	-0.35581	2.20E-15
3.65E-11	0.118381	0.01046	0.033483	0.47039	0.182152	7.53E-05	0.319917	1.42E-12
0.99278	0.134928	0.00348	-0.21664	2.30E-06	-0.08115	0.07979	0.256543	1.87E-08
0.57774	0.009329	0.84066	-0.20183	1.11E-05	-0.0848	0.06712	0.019246	0.67827
2.70E-07	0.262448	8.53E-09	0.227857	6.48E-07	0.245463	7.76E-08	-0.14635	0.00152
0.00249	0.158342	0.00059	0.121447	0.00861	0.132391	0.00416	0.067629	0.1445

1.94E-11	-0.16272	0.00041	-0.26643	4.97E-09	-0.31129	5.95E-12	-0.13451	0.00359
4.88E-06	-0.09814	0.03399	0.065549	0.15729	-0.14877	0.00126	-0.23147	4.25E-07
0.38356	-0.22012	1.56E-06	-0.09957	0.03145	-0.09901	0.03242	0.001583	0.97279
0.05792	0.288036	2.26E-10	0.189161	3.89E-05	0.163709	0.00038	-0.08554	0.06474
1.04E-06	0.098787	0.03282	0.092185	0.04648	0.192398	2.84E-05	0.070695	0.12712
0.47195	0.075988	0.10099	-0.18079	8.53E-05	-0.06152	0.18445	-0.02893	0.53292
0.1716	-0.26514	5.93E-09	-0.08425	0.06892	-0.06214	0.18009	-0.16232	0.00043
0.00273	0.192743	2.75E-05	0.089163	0.05417	0.149634	0.00118	0.082306	0.07559
8.65E-14	-0.38715	3.79E-18	-0.38211	1.10E-17	-0.40118	1.74E-19	0.072968	0.11532
0.96895	-0.12856	0.0054	-0.19292	2.70E-05	-0.14016	0.0024	-0.24023	1.48E-07
0.02061	0.126742	0.00609	0.045526	0.32625	0.082571	0.07464	-0.14718	0.00143
0.00665	0.123189	0.0077	0.035718	0.44127	0.167535	0.00028	0.088332	0.05646
9.13E-07	0.103585	0.02519	0.024828	0.59253	0.122747	0.00792	0.252844	3.03E-08
0.03229	-0.11813	0.01062	-0.12999	0.0049	-0.12279	0.0079	-0.26966	3.19E-09
1.12E-05	0.029625	0.52306	-0.07626	0.09979	-0.12363	0.00748	0.080517	0.08219
0.00514	-0.15064	0.00109	0.025207	0.58688	0.013296	0.77443	-0.00652	0.88821
0.45863	0.118671	0.01027	-0.08897	0.05469	-0.05191	0.26291	-0.08944	0.05342
0.0134	-0.03238	0.48521	-0.18942	3.79E-05	-0.04648	0.31615	-0.0181	0.69647
0.02985	-0.03733	0.42088	0.080681	0.08156	0.075292	0.10416	0.13122	0.00451
0.67015	0.10592	0.02206	0.036425	0.43228	0.07782	0.09301	-0.00791	0.86471
0.13913	-0.14956	0.00119	-0.11429	0.01347	-0.07839	0.09063	-0.20252	1.03E-05
6.71E-06	-0.03769	0.41643	0.135086	0.00345	0.173536	0.00016	0.069912	0.1314
0.31398	-0.19319	2.63E-05	-0.22854	5.98E-07	-0.12332	0.00763	-0.02486	0.5921
0.007	0.115888	0.01221	0.049183	0.28885	0.103093	0.02589	0.273502	1.86E-09
0.29738	-0.02788	0.54785	-0.02937	0.52665	-0.01071	0.81745	-0.01119	0.80941
0.71562	-0.113	0.01456	-0.08538	0.06525	-0.05261	0.25656	-0.08467	0.06755
0.0973	-0.15872	0.00058	0.040633	0.38097	0.035881	0.43919	0.061891	0.18182
0.06125	-0.33905	5.02E-14	-0.23945	1.63E-07	-0.2345	2.97E-07	-0.19607	1.98E-05
4.21E-11	-0.18654	4.99E-05	-0.24256	1.11E-07	-0.28866	2.06E-10	0.096351	0.03739
0.00106	0.033546	0.46956	0.054401	0.24066	0.122931	0.00782	0.031203	0.50117
0.0004	0.187556	4.53E-05	0.242834	1.08E-07	0.188828	4.01E-05	-0.11511	0.0128
0.00542	-0.32638	4.72E-13	-0.18793	4.37E-05	-0.25501	2.29E-08	-0.2116	3.97E-06
0.04808	-0.03429	0.45973	-0.07393	0.1106	-0.05563	0.23018	-0.15676	0.00067
6.32E-13	0.289474	1.82E-10	0.371316	1.03E-16	0.370036	1.33E-16	0.1663	0.00031
0.00715	0.003152	0.94583	0.154171	0.00083	0.121408	0.00863	-0.09103	0.04931
0.00405	-0.14027	0.00238	-0.07335	0.11344	-0.03691	0.42618	-0.02023	0.66284
8.92E-06	0.450051	1.14E-24	0.433577	7.95E-23	0.373389	6.75E-17	0.265268	5.82E-09
6.00E-08	0.12441	0.00711	0.20345	9.37E-06	0.27778	1.01E-09	0.079685	0.08541
0.64656	0.247413	6.07E-08	0.208434	5.57E-06	0.147037	0.00144	-0.02719	0.55781
0.00614	0.198256	1.59E-05	0.277482	1.06E-09	0.242308	1.15E-07	-0.05066	0.27462
0.02303	-0.1214	0.00863	0.014467	0.75518	-0.11369	0.01396	-0.14534	0.00164
0.0004	-0.15997	0.00052	-0.23557	2.61E-07	-0.23468	2.90E-07	-0.28425	3.96E-10
0.02208	-0.09604	0.03801	-0.14677	0.00147	-0.13473	0.00353	0.112706	0.01482
2.94E-06	-0.12032	0.00925	-0.0755	0.10319	-0.00319	0.94522	0.089962	0.05204
7.58E-06	0.026364	0.56982	-0.15389	0.00085	0.038894	0.40171	0.005817	0.90023

0.29419	-0.29161	1.32E-10	-0.1054	0.02273	-0.13665	0.00309	-0.00818	0.86
1.61E-16	0.13528	0.0034	0.242224	1.16E-07	0.257346	1.68E-08	-0.0247	0.59451
0.81678	0.147259	0.00142	-0.07052	0.12809	0.042872	0.35527	0.075521	0.1031
4.50E-08	0.184281	6.17E-05	0.32827	3.40E-13	0.286568	2.81E-10	0.178474	0.00011
0.0102	-0.21856	1.86E-06	-0.19389	2.46E-05	-0.20037	1.28E-05	0.259133	1.33E-08
1.57E-07	0.26778	4.13E-09	0.261633	9.52E-09	0.291956	1.25E-10	0.138104	0.00278
1.19E-08	-0.02628	0.5711	0.020423	0.65979	0.140726	0.0023	0.054326	0.24131
0.02203	0.112682	0.01484	-0.05664	0.22184	-0.07392	0.11066	-0.29558	7.20E-11
0.00023	0.067486	0.14535	0.166101	0.00031	0.24003	1.52E-07	-0.14766	0.00137
3.69E-10	0.040046	0.3879	0.266219	5.11E-09	0.264224	6.71E-09	0.243103	1.04E-07
3.75E-08	-0.02149	0.64324	0.018201	0.69483	0.128815	0.00531	0.044169	0.3409
0.77237	-0.01275	0.7834	-0.21265	3.55E-06	-0.09311	0.04433	-0.03585	0.43954
1.59E-13	0.026482	0.5681	0.162345	0.00043	0.214056	3.05E-06	0.11335	0.01425
0.40711	0.051196	0.26954	0.062001	0.18104	0.00644	0.88962	-0.05212	0.26096
0.45142	0.000786	0.98648	-0.01328	0.77478	0.050825	0.27303	0.177546	0.00011
0.00676	-0.04159	0.36983	-0.1752	0.00014	-0.16242	0.00043	0.247617	5.91E-08
4.02E-11	-0.0699	0.13148	0.185765	5.37E-05	0.194079	2.41E-05	0.437816	2.73E-23
9.60E-06	0.220364	1.52E-06	0.200811	1.23E-05	0.247381	6.09E-08	0.119019	0.01004
1.34E-08	0.26296	7.96E-09	0.194889	2.22E-05	0.284404	3.87E-10	0.087343	0.05929
0.01363	-0.16663	0.0003	-0.18186	7.73E-05	-0.08288	0.07358	0.113782	0.01388
0.58563	-0.02484	0.59239	-0.04315	0.35219	-0.02176	0.63906	-0.127	0.00599
0.8578	0.015402	0.73991	0.098504	0.03332	0.043462	0.34869	0.250527	4.08E-08
0.56855	0.108117	0.01944	0.214854	2.79E-06	0.09834	0.03362	0.173463	0.00017
0.37315	0.13518	0.00342	0.142945	0.00196	0.129725	0.00499	0.145367	0.00163
0.3526	0.100698	0.02957	0.092203	0.04643	0.088726	0.05536	0.019954	0.66712
0.58337	0.117878	0.01079	0.075771	0.10197	0.056741	0.221	-0.18232	7.41E-05
0.00048	0.20844	5.56E-06	-0.08086	0.08088	0.096361	0.03737	0.091087	0.04916
0.25749	0.215332	2.65E-06	0.043032	0.35347	0.065309	0.15882	0.354246	2.97E-15
3.43E-05	0.236944	2.21E-07	0.04411	0.34154	0.146253	0.00153	0.205705	7.41E-06
9.44E-08	0.339569	4.57E-14	0.125163	0.00676	0.237362	2.10E-07	0.134619	0.00356
0.3229	-0.01362	0.76908	-0.02006	0.66543	-0.04448	0.33751	-0.08535	0.06535
0.00016	0.100566	0.02978	0.155711	0.00073	0.184359	6.13E-05	0.154431	0.00081
0.03859	-0.04529	0.32877	0.108938	0.01853	0.118211	0.01057	-0.05541	0.232
5.48E-05	-0.08982	0.05241	-0.03085	0.50605	0.023142	0.6179	0.198722	1.52E-05
0.03653	0.450443	1.03E-24	0.096513	0.03707	0.165549	0.00033	0.388419	2.89E-18
0.16773	0.203969	8.88E-06	0.117903	0.01077	0.108995	0.01847	0.41099	1.85E-20
0.01007	-0.29336	1.01E-10	-0.07653	0.09855	-0.06229	0.17901	-0.05147	0.26697
0.22132	-0.00607	0.89596	0.008303	0.85797	-0.00829	0.85814	-0.0329	0.47812
0.10026	0.199907	1.35E-05	0.093252	0.04399	0.1165	0.01175	0.15945	0.00054
0.15937	-0.34737	1.09E-14	-0.00568	0.90258	-0.10196	0.02757	0.019061	0.68118
0.133	-0.26329	7.61E-09	-0.18469	5.94E-05	-0.20863	5.46E-06	-0.16271	0.00041
0.02894	0.29467	8.27E-11	-0.0521	0.26115	0.049155	0.28913	-0.07011	0.13032
4.86E-09	-0.07886	0.08872	-0.16403	0.00037	-0.22565	8.35E-07	-0.08824	0.0567
0.90025	-0.05474	0.23773	-0.22504	8.96E-07	-0.15121	0.00105	-0.05109	0.27054
0.00188	0.062082	0.18047	-0.05931	0.20078	0.051726	0.26461	0.15445	0.00081

0.47328	-0.00791	0.8646	-0.24335	1.01E-07	-0.15212	0.00097	-0.05505	0.23511
1.28E-10	0.007999	0.86312	0.240442	1.45E-07	0.24604	7.22E-08	0.15755	0.00063
3.28E-06	0.132648	0.00408	0.159724	0.00053	0.19839	1.57E-05	0.496621	1.88E-30
0.95819	-0.04853	0.29529	-0.08611	0.06298	-0.04803	0.30028	0.223991	1.01E-06
0.00107	-0.1659	0.00032	-0.19126	3.18E-05	-0.18183	7.75E-05	0.033234	0.47371
0.26894	0.203727	9.11E-06	0.049026	0.2904	0.125397	0.00666	-0.18919	3.88E-05
0.3473	-0.22783	6.50E-07	-0.14187	0.00212	-0.13097	0.00458	0.027393	0.55486
0.18665	0.019169	0.67949	-0.01557	0.73723	0.007598	0.86993	-0.23732	2.11E-07
0.71321	-0.11912	0.00998	-0.08194	0.07691	-0.06243	0.17805	-0.00966	0.83514
0.31268	-0.06501	0.16071	-0.11255	0.01496	-0.09124	0.04878	0.135139	0.00343
0.16622	-0.15175	0.001	-0.14391	0.00182	-0.10868	0.01881	0.255816	2.06E-08
0.11733	-0.16862	0.00025	-0.1132	0.01438	-0.12442	0.0071	-0.0031	0.94668
0.08297	0.382717	9.73E-18	0.275678	1.37E-09	0.26003	1.18E-08	0.240573	1.42E-07
0.0788	0.1796	9.52E-05	-0.00378	0.93504	0.064595	0.16343	0.353613	3.35E-15
0.23037	-0.11405	0.01366	-0.08658	0.06154	-0.03	0.51787	0.003109	0.94657
0.00511	-0.14018	0.0024	-0.09281	0.04501	-0.12779	0.00568	0.161702	0.00045
0.22702	0.003084	0.94701	-0.03212	0.48869	0.019476	0.67463	0.220302	1.53E-06
0.13528	0.343077	2.41E-14	-0.08872	0.05537	-0.01184	0.79864	0.170711	0.00021
0.00057	-0.0897	0.05273	-0.20386	8.98E-06	-0.20856	5.50E-06	-0.15593	0.00072
0.00314	0.037086	0.42397	0.127861	0.00566	0.089493	0.05328	-0.03108	0.50282
0.02353	-0.01707	0.71295	-0.06656	0.15097	-0.06613	0.15364	-0.1512	0.00105
2.29E-06	-0.1162	0.01197	0.069561	0.13335	-0.06757	0.14485	-0.09957	0.03145
3.39E-06	0.395592	6.05E-19	0.255299	2.20E-08	0.312284	5.06E-12	0.196053	1.98E-05
0.09554	-0.02298	0.62038	0.005852	0.89963	0.038472	0.40685	0.055157	0.23417
0.15778	-0.16435	0.00036	-0.13108	0.00455	-0.05162	0.26561	-0.28901	1.95E-10
0.80169	-0.28687	2.68E-10	-0.10545	0.02266	-0.14099	0.00226	-0.2289	5.74E-07
0.00057	-0.10691	0.02084	-0.1402	0.00239	-0.14271	0.00199	-0.21767	2.05E-06
0.01049	0.107661	0.01996	0.003991	0.93146	0.089653	0.05285	0.091792	0.04742
0.08554	-0.26945	3.28E-09	-0.13577	0.00328	-0.13404	0.00371	-0.22614	7.89E-07
0.15124	-0.15539	0.00075	-0.0647	0.16278	-0.09653	0.03704	-0.27567	1.37E-09
0.00451	-0.11523	0.01271	-0.06103	0.18795	-0.14641	0.00151	-0.09165	0.04777
0.39436	0.050833	0.27296	-0.01046	0.82157	0.013244	0.77529	0.072407	0.11815
1.69E-05	-0.04654	0.31553	-0.02508	0.58877	0.054642	0.23858	0.167445	0.00028
2.42E-09	0.381004	1.39E-17	0.413943	9.29E-21	0.381755	1.19E-17	0.095991	0.03811
0.00597	-0.17469	0.00015	-0.1539	0.00085	-0.17125	0.0002	-0.23724	2.13E-07
0.38109	-0.13407	0.0037	0.030806	0.50663	0.013552	0.77022	0.130221	0.00482
1.26E-30	0.05842	0.20761	0.248189	5.50E-08	0.309939	7.42E-12	0.312095	5.22E-12
0.00098	-0.28818	2.21E-10	-0.16059	0.00049	-0.24971	4.53E-08	-0.06549	0.15766
0.00446	-0.11462	0.0132	-0.12176	0.00844	-0.16155	0.00046	-0.29334	1.01E-10
1.76E-16	0.221267	1.37E-06	0.418863	2.90E-21	0.376847	3.32E-17	0.086173	0.06279
1.84E-05	-0.23843	1.85E-07	0.087655	0.05838	0.093157	0.04421	0.061142	0.18718
0.0054	-0.18204	7.61E-05	-0.11813	0.01062	-0.139	0.00261	-0.06341	0.1713
0.29697	0.010725	0.81719	0.006939	0.88112	-0.01168	0.80127	0.03069	0.50823
0.64657	-0.03728	0.42157	-0.04689	0.31191	-0.07159	0.12235	-0.05638	0.22399
9.12E-05	-0.05225	0.25983	0.063709	0.16929	0.105191	0.023	0.359676	1.04E-15

2.99E-07	-0.10957	0.01785	0.113067	0.0145	0.133212	0.00393	0.198614	1.53E-05
0.00021	0.205627	7.48E-06	0.054298	0.24155	-0.0273	0.5562	-0.07181	0.1212
5.45E-09	0.164144	0.00037	0.330329	2.37E-13	0.283723	4.28E-10	0.11275	0.01478
0.00034	0.291353	1.37E-10	0.177175	0.00012	0.217783	2.03E-06	0.498826	9.48E-31
1.20E-06	-0.08604	0.06319	-0.15497	0.00078	-0.17967	9.46E-05	-0.22187	1.28E-06
0.00712	0.018939	0.68311	0.190397	3.45E-05	0.154776	0.00079	-0.05681	0.22041
0.17473	0.112134	0.01533	0.186417	5.05E-05	0.154177	0.00083	0.134416	0.00361
0.03462	0.096854	0.03641	0.159415	0.00054	0.170321	0.00022	-0.09442	0.04141
4.87E-12	0.155579	0.00074	0.32051	1.29E-12	0.328178	3.45E-13	0.170887	0.00021
6.15E-08	0.03295	0.47749	0.23082	4.58E-07	0.228347	6.12E-07	0.099328	0.03187
0.03537	0.043752	0.34547	-0.02426	0.60097	0.043626	0.34687	0.022574	0.62656
0.00052	0.057447	0.2153	0.1191	0.00999	0.152511	0.00095	-0.07211	0.11967
0.00063	0.233595	3.30E-07	0.253765	2.69E-08	0.264744	6.25E-09	0.071061	0.12516
5.88E-17	0.22499	9.01E-07	0.116784	0.01155	0.287465	2.46E-10	0.154128	0.00083
0.08139	-0.05351	0.24844	-0.13809	0.00279	-0.10062	0.0297	-0.10184	0.02776
0.00664	0.124146	0.00723	0.102098	0.02737	-0.00752	0.87117	-0.26174	9.39E-09
0.86407	-0.08541	0.06517	-0.13965	0.00249	-0.11163	0.0158	-0.05242	0.25824
0.04625	-0.13221	0.00421	0.030768	0.50716	-0.05564	0.2301	-0.08643	0.062
0.00138	-0.09367	0.04305	0.08406	0.06954	-0.0426	0.35838	-0.13142	0.00445
0.01199	-0.08766	0.05837	0.013421	0.77237	-0.04728	0.30789	-0.04324	0.35113
0.00033	-0.14036	0.00236	0.02724	0.55707	-0.08838	0.05632	-0.0791	0.08774
0.00155	-0.05985	0.19666	0.011194	0.80935	-0.05427	0.24176	-0.08046	0.08239
0.00344	-0.08503	0.06637	0.036305	0.43379	-0.05657	0.2224	-0.02794	0.54704
0.06205	-0.0489	0.29166	-0.03426	0.46013	-0.07069	0.12716	-0.02471	0.59429
2.55E-05	-0.18391	6.40E-05	0.001638	0.97183	-0.13292	0.00401	-0.16049	0.0005
0.03376	-0.27305	1.98E-09	-0.29391	9.30E-11	-0.27855	9.07E-10	-0.14225	0.00206
0.01728	0.165897	0.00032	-0.21592	2.49E-06	-0.10119	0.02879	-0.10698	0.02076
0.30867	0.003284	0.94357	0.074728	0.10678	0.028227	0.54286	-0.10756	0.02007
0.00247	-0.26115	1.02E-08	-0.17659	0.00012	-0.19968	1.38E-05	0.105655	0.0224
0.5295	-0.0679	0.14292	-0.11968	0.00964	-0.06137	0.18552	0.415128	7.03E-21
0.13589	-0.03072	0.50783	-0.03437	0.45865	0.021175	0.64809	0.197359	1.74E-05
0.20781	-0.0975	0.03517	-0.00257	0.95577	0.014652	0.75215	0.039747	0.39146
0.20949	0.156275	0.0007	0.010466	0.82154	0.022596	0.62621	0.140431	0.00235
0.5495	0.079018	0.08807	-0.04423	0.34025	-0.02031	0.66155	0.046185	0.31928
6.14E-11	0.238128	1.92E-07	0.244629	8.61E-08	0.297164	5.63E-11	-0.12313	0.00773
4.44E-06	0.44099	1.21E-23	0.093211	0.04408	0.217184	2.16E-06	0.003056	0.94748
0.03996	-0.27918	8.28E-10	-0.35067	5.85E-15	-0.25209	3.34E-08	0.052464	0.25784
0.00506	0.09772	0.03476	0.124319	0.00715	0.142779	0.00198	0.076733	0.09768
0.34907	0.001444	0.97518	0.007256	0.87573	-0.01645	0.72297	-0.1351	0.00344
0.50678	0.03555	0.44342	-0.01365	0.76865	0.036766	0.42798	0.157026	0.00066
0.07642	0.132474	0.00413	0.129027	0.00523	0.129626	0.00502	0.064556	0.16369
0.85118	-0.07328	0.11376	0.014904	0.74804	-0.01893	0.68329	-0.01992	0.66772
0.03117	-0.19341	2.57E-05	0.00716	0.87735	-0.0198	0.66956	0.074276	0.10893
0.42017	0.097451	0.03526	0.027791	0.54913	0.084595	0.06778	0.124784	0.00694
0.10113	0.172238	0.00018	0.090358	0.05101	0.116655	0.01164	0.273179	1.95E-09



0.8833	0.018919	0.68344	0.037178	0.42282	0.031516	0.49688	-0.09754	0.0351
0.13759	-0.06169	0.18326	0.044543	0.33681	-0.00232	0.96013	0.070545	0.12793
0.00037	-0.06592	0.15496	-0.01271	0.78406	-0.09003	0.05185	-0.29045	1.57E-10
0.03244	-0.06624	0.15292	0.089068	0.05442	0.083533	0.07131	0.007869	0.86533
0.09377	-0.06997	0.1311	0.077339	0.09505	0.056859	0.22003	0.046919	0.31165
0.01359	-0.20213	1.07E-05	-0.11171	0.01573	-0.15204	0.00098	-0.17202	0.00019
0.75936	-0.07667	0.09796	-0.00571	0.90214	-0.02174	0.6394	-0.1587	0.00058
0.6314	0.059263	0.20112	0.005875	0.89924	0.027693	0.55053	-0.18824	4.25E-05
0.22048	-0.00249	0.95717	0.036309	0.43374	-0.01872	0.68659	0.207364	6.23E-06
0.00827	0.083233	0.07234	0.331268	2.01E-13	0.218241	1.93E-06	0.272836	2.04E-09
0.56331	0.106928	0.02082	0.107993	0.01958	0.097406	0.03535	0.002968	0.949
0.25043	0.102413	0.02689	0.208644	5.44E-06	0.172193	0.00018	-0.19533	2.13E-05
4.97E-05	-0.00525	0.90996	0.225693	8.31E-07	0.219813	1.62E-06	-0.01427	0.75843
0.08776	-0.29843	4.63E-11	-0.20582	7.33E-06	-0.21278	3.50E-06	0.05735	0.21607
0.5675	-0.14899	0.00124	-0.05435	0.24111	-0.04644	0.31658	-0.05003	0.28057
0.37753	0.003323	0.94291	0.060408	0.19254	0.08266	0.07433	-0.03706	0.42426
0.12329	0.04722	0.30855	0.046728	0.31362	0.06577	0.15589	0.065634	0.15675
0.39094	0.218019	1.97E-06	-0.13426	0.00365	-0.0352	0.44791	0.076683	0.0979
0.39272	-0.11783	0.01082	-0.03802	0.41235	-0.03983	0.39043	-0.09395	0.04243
0.00734	-0.19212	2.92E-05	-0.19418	2.39E-05	-0.21139	4.07E-06	0.276903	1.15E-09
0.00385	-0.12591	0.00644	-0.01854	0.68948	0.019	0.68215	0.096345	0.03741
5.26E-05	-0.17614	0.00013	-0.24079	1.38E-07	-0.2079	5.89E-06	-0.17216	0.00019
0.00105	-0.18743	4.59E-05	0.042911	0.35484	0.052013	0.26196	0.000334	0.99426
0.77182	-0.10692	0.02083	-0.00275	0.9527	-0.02069	0.6556	-0.12266	0.00796
0.54617	-0.17821	0.00011	-0.10109	0.02893	-0.06961	0.13306	0.043247	0.35108
1.38E-09	-0.2983	4.72E-11	-0.23038	4.83E-07	-0.28258	5.05E-10	-0.28389	4.17E-10
0.20755	-0.17402	0.00016	0.043873	0.34414	-0.00054	0.99072	-0.06768	0.14419
3.12E-17	0.326391	4.71E-13	0.3479	9.85E-15	0.444974	4.33E-24	0.050232	0.27867
0.04737	-0.09404	0.04222	-0.03779	0.41526	0.017733	0.70231	0.163397	0.00039
0.11538	-0.05839	0.20782	0.037554	0.41814	-0.01627	0.72575	0.053054	0.25252
0.00049	-0.23297	3.56E-07	-0.0015	0.97429	0.029933	0.51876	0.012655	0.78504
0.14172	-0.02565	0.58036	-0.01321	0.77592	-0.03241	0.4847	-0.19502	2.20E-05
0.22672	-0.17492	0.00015	-0.10803	0.01954	-0.06509	0.16021	-0.21873	1.82E-06
0.23472	0.117501	0.01105	0.007392	0.87342	0.10847	0.01904	0.050916	0.27217
0.00215	0.295607	7.16E-11	0.001518	0.97389	0.153135	0.0009	0.160376	0.0005
0.47038	0.070425	0.12858	-0.00249	0.95727	0.045841	0.32291	0.148687	0.00127
3.07E-10	0.404366	8.48E-20	0.171974	0.00019	0.282578	5.06E-10	0.150424	0.00111
0.00032	-0.03674	0.42832	-0.13776	0.00285	-0.18613	5.19E-05	-0.17185	0.00019
0.14409	-0.17306	0.00017	-0.11702	0.01138	-0.13842	0.00272	-0.06274	0.17588
2.84E-07	0.278984	8.52E-10	0.376378	3.65E-17	0.350183	6.42E-15	0.154247	0.00082
0.17265	-0.25943	1.28E-08	-0.08321	0.07241	-0.0959	0.0383	-0.15268	0.00093
0.90038	-0.13885	0.00264	-0.02543	0.58355	-0.03085	0.50607	0.065301	0.15887
3.15E-05	-0.00752	0.87132	-0.02756	0.55239	-0.09362	0.04316	0.259457	1.27E-08
0.00012	0.196537	1.89E-05	0.148752	0.00126	0.183589	6.59E-05	-0.08542	0.06514
0.00182	-0.13246	0.00414	0.04572	0.32419	0.073161	0.11436	-0.01422	0.75926

0.00368	-0.17588	0.00013	0.052019	0.26191	0.060773	0.18985	-0.0042	0.92781
0.94287	-0.02218	0.63253	-0.08572	0.06419	-0.0986	0.03315	0.209383	5.03E-06
1.11E-07	-0.20604	7.16E-06	-0.18993	3.61E-05	-0.25255	3.15E-08	-0.21274	3.51E-06
0.09873	-0.00027	0.99528	0.064647	0.16309	0.039394	0.39568	-0.05971	0.1977
1.34E-08	0.132217	0.00421	-0.01993	0.66754	0.113304	0.01429	0.111986	0.01547
0.58861	-0.25019	4.26E-08	-0.14585	0.00158	-0.13392	0.00374	0.311176	6.07E-12
1.55E-27	0.420637	1.90E-21	0.237682	2.02E-07	0.422954	1.09E-21	0.13236	0.00417
0.49894	-0.05356	0.24799	-0.00285	0.95109	-0.00343	0.94109	0.090725	0.05007
0.52305	-0.17632	0.00013	-0.03511	0.44914	-0.07891	0.0885	-0.24048	1.44E-07
0.00035	-0.10091	0.02923	-0.16196	0.00044	-0.17143	0.0002	-0.31694	2.35E-12
4.52E-13	0.197394	1.73E-05	0.276512	1.21E-09	0.288471	2.12E-10	0.164696	0.00035
3.41E-05	0.175255	0.00014	0.198224	1.60E-05	0.247924	5.69E-08	-0.00156	0.97311
0.0259	-0.22379	1.03E-06	-0.20467	8.26E-06	-0.228	6.37E-07	0.011903	0.79753
0.00274	0.05824	0.20902	0.112046	0.01541	0.102965	0.02608	-0.18893	3.97E-05
0.76029	-0.06013	0.19462	-0.0913	0.04864	-0.07256	0.11735	0.270562	2.81E-09
0.14313	0.258058	1.53E-08	0.229656	5.25E-07	0.15908	0.00056	0.115885	0.01221
0.05746	-0.22654	7.54E-07	-0.00795	0.86397	-0.00629	0.89209	-0.08877	0.05524
0.27445	-0.06128	0.18615	-0.01784	0.70065	0.015202	0.74318	-0.1076	0.02003
5.99E-08	0.288258	2.18E-10	0.329564	2.71E-13	0.346863	1.20E-14	0.382098	1.11E-17
0.34349	-0.0971	0.03594	-0.0315	0.49716	0.003996	0.93137	-0.045	0.33183
0.00731	-0.0838	0.0704	-0.13678	0.00306	-0.15026	0.00113	-0.06858	0.1389
0.03827	-0.09943	0.03169	-0.09912	0.03223	-0.10806	0.01951	-0.02975	0.52135
1.60E-05	0.018562	0.68909	0.04604	0.32081	0.097933	0.03436	0.079158	0.0875
0.18227	-0.00451	0.92251	0.022734	0.62411	0.038459	0.407	0.003525	0.93944
0.90063	-0.02149	0.64314	0.029111	0.5303	0.014979	0.74681	-0.04689	0.31191
0.21319	0.0289	0.5333	0.048092	0.29969	0.069024	0.13638	0.020984	0.65106
0.8077	0.110505	0.0169	0.02709	0.55925	0.040629	0.38102	0.058	0.2109
0.82767	0.024225	0.60154	0.060573	0.19132	0.035091	0.44933	-0.00507	0.91302
3.87E-05	0.197466	1.72E-05	0.054346	0.24114	0.163183	0.0004	0.125825	0.00648
0.39835	-0.01044	0.82196	-0.14972	0.00117	-0.09272	0.0452	-0.16704	0.00029
0.00386	0.010913	0.81405	0.144879	0.00169	0.149485	0.0012	0.271265	2.55E-09
0.74323	-0.19763	1.69E-05	-0.10826	0.01928	-0.12989	0.00493	0.20159	1.13E-05
0.01213	-0.11634	0.01187	-0.14645	0.00151	-0.16531	0.00033	-0.0831	0.07281
0.01612	-0.13354	0.00384	-0.27458	1.60E-09	-0.19855	1.54E-05	-0.08686	0.06072
0.0633	-0.23215	3.92E-07	-0.20156	1.14E-05	-0.20643	6.87E-06	0.073037	0.11497
0.02125	-0.17115	0.0002	0.083404	0.07175	0.074968	0.10566	0.040781	0.37924
3.05E-14	-0.27479	1.55E-09	-0.34177	3.06E-14	-0.38589	4.96E-18	0.145795	0.00158
1.61E-09	0.012203	0.79253	0.279569	7.83E-10	0.227928	6.42E-07	0.119354	0.00983
0.01352	0.051184	0.26965	0.077026	0.0964	0.065854	0.15536	0.146496	0.0015
0.01048	-0.11131	0.0161	0.081902	0.07704	0.063058	0.17371	-0.13688	0.00304
0.02755	-0.01872	0.68665	0.071401	0.12336	0.08694	0.06048	0.053397	0.24947
0.88162	0.023508	0.61234	-0.01606	0.72923	0.012478	0.78797	-0.07403	0.1101
4.24E-09	-0.20211	1.08E-05	-0.00443	0.92402	0.066763	0.14972	0.160631	0.00049
0.47701	0.025621	0.58075	0.022846	0.6224	0.009067	0.84507	-0.01068	0.81789
0.00178	0.141372	0.0022	0.03255	0.48286	0.121386	0.00864	0.142819	0.00198

0.01795	0.174792	0.00015	-0.10181	0.02782	-0.05953	0.19909	0.092561	0.04559
0.00076	-0.22587	8.14E-07	-0.22529	8.70E-07	-0.19485	2.23E-05	-0.15487	0.00078
2.89E-10	0.241276	1.30E-07	0.269712	3.16E-09	0.309004	8.64E-12	0.228406	6.08E-07
3.36E-06	-0.01296	0.78002	0.106772	0.02101	0.136687	0.00308	-0.12868	0.00535
0.93219	-0.12978	0.00497	-0.02646	0.5685	-0.04884	0.29222	-0.12146	0.0086
0.25564	0.004463	0.92338	0.007632	0.86935	0.024916	0.59121	-0.00763	0.86941
0.01861	-0.19211	2.92E-05	0.033064	0.47597	0.028845	0.53406	0.042748	0.35666
3.96E-08	0.009258	0.84185	0.078795	0.08897	0.162829	0.00041	0.138236	0.00276
0.06321	0.093926	0.04248	0.119308	0.00986	0.096587	0.03693	-0.00432	0.92579
0.11948	0.036805	0.42749	0.01425	0.75874	0.00678	0.88382	0.029339	0.52709
0.83225	-0.0019	0.96734	0.025898	0.57668	-0.01125	0.80838	0.033599	0.46886
0.93147	0.125462	0.00663	0.089347	0.05367	0.074853	0.1062	0.013105	0.7776
0.03159	0.044128	0.34134	0.13167	0.00437	0.091383	0.04842	-0.0227	0.62455
0.40486	-0.06728	0.14658	0.016426	0.72331	0.031257	0.50043	-0.07127	0.12405
5.47E-06	0.083358	0.07191	0.178821	0.0001	0.214148	3.02E-06	-0.07193	0.1206
1.34E-05	0.051733	0.26454	0.180195	9.01E-05	0.161699	0.00045	0.062053	0.18067
0.00015	-0.06748	0.1454	-0.12346	0.00756	-0.17156	0.0002	-0.04858	0.29484
0.28235	-0.012	0.79596	-0.06263	0.17668	-0.02785	0.54834	-0.13643	0.00314
8.37E-05	0.028575	0.53791	0.150308	0.00112	0.125223	0.00674	-0.03875	0.40345
0.4463	-0.01723	0.71031	-0.03384	0.46564	-0.03488	0.45212	-0.02449	0.59756
0.03135	0.093762	0.04284	0.113035	0.01453	0.108411	0.01911	0.075866	0.10154
3.06E-11	0.432022	1.17E-22	0.286979	2.64E-10	0.377445	2.93E-17	-0.02879	0.53484
0.00039	-0.21158	3.98E-06	-0.24782	5.76E-08	-0.23268	3.68E-07	0.08505	0.06631
0.50568	-0.07821	0.09138	-0.07399	0.11031	-0.055	0.2355	0.060083	0.19494
0.86536	-0.06744	0.14562	0.028295	0.5419	0.016233	0.72642	-0.08295	0.07333
0.00555	0.028327	0.54145	0.134375	0.00362	0.123532	0.00753	0.155138	0.00077
0.26986	-0.06812	0.14159	0.059362	0.20036	0.038994	0.4005	-0.0091	0.84456
5.13E-05	-0.11017	0.01724	0.049621	0.28458	0.099486	0.0316	0.062676	0.17633
4.60E-05	0.43818	2.49E-23	-0.00753	0.8711	0.167107	0.00029	0.320796	1.23E-12
1.54E-14	0.275013	1.50E-09	0.42823	3.00E-22	0.412209	1.39E-20	0.224064	1.00E-06
8.60E-08	0.285069	3.51E-10	0.346915	1.18E-14	0.295542	7.23E-11	0.019611	0.67251
0.00039	-0.04973	0.28348	0.013286	0.7746	0.016094	0.72868	0.049888	0.28199
0.10868	-0.07293	0.11549	-0.17759	0.00011	-0.18277	7.11E-05	0.042788	0.35622
0.90369	-0.16768	0.00027	-0.15735	0.00064	-0.14548	0.00162	-0.22678	7.33E-07
2.16E-09	0.163531	0.00039	0.092	0.04692	-0.06878	0.13775	0.100226	0.03035
0.23744	0.086166	0.06281	-0.01851	0.68989	0.005815	0.90027	0.099075	0.03231
0.00178	0.014579	0.75334	-0.00457	0.92162	-0.04099	0.37677	-0.0934	0.04365
0.68361	0.140153	0.0024	0.064497	0.16407	0.075402	0.10365	0.076797	0.0974
0.03907	0.337805	6.28E-14	0.310736	6.52E-12	0.219649	1.65E-06	0.182182	7.51E-05
0.92453	-0.14208	0.00209	-0.03516	0.44843	-0.05485	0.23678	0.006499	0.88861
0.03617	-0.4049	7.51E-20	-0.26189	9.19E-09	-0.15782	0.00062	0.100563	0.02979
0.45117	-0.14493	0.00169	-0.05251	0.25741	-0.03745	0.41948	-0.07629	0.09962
0.42937	0.052409	0.25835	-0.05138	0.26782	-0.01906	0.68122	0.04018	0.38632
0.13346	-0.15998	0.00052	-0.15524	0.00076	-0.15452	0.00081	0.071837	0.12108
1.96E-06	-0.29987	3.70E-11	-0.19788	1.65E-05	-0.23688	2.23E-07	-0.09229	0.04622

0.00026	0.116405	0.01182	0.032089	0.48909	0.106465	0.02139	0.154958	0.00078
5.76E-09	0.258195	1.51E-08	0.299429	3.96E-11	0.327102	4.16E-13	0.075419	0.10357
0.27883	-0.0346	0.45565	0.078798	0.08896	-0.00632	0.89167	-0.13682	0.00305
0.02571	0.040675	0.38049	0.059153	0.20196	0.063239	0.17247	-0.02873	0.53565
0.39966	-0.00068	0.98831	0.010391	0.82279	0.036512	0.43118	0.064982	0.16092
0.00423	-0.17978	9.36E-05	-0.04322	0.3514	-0.02984	0.51999	0.074235	0.10912
0.34394	0.016372	0.72418	0.166637	0.0003	0.097027	0.03607	-0.1715	0.0002
0.85113	0.016654	0.71963	0.027269	0.55666	0.02102	0.65049	0.021501	0.64304
0.43486	0.070038	0.13071	0.08689	0.06062	0.114197	0.01354	-0.08084	0.08098
0.3444	0.018526	0.68966	-0.00665	0.88603	0.017511	0.70586	-0.12239	0.0081
0.82192	0.022845	0.62242	0.042981	0.35405	0.017628	0.70398	-0.01422	0.75921
0.00777	0.020877	0.65271	0.017027	0.71362	0.060397	0.19262	0.029451	0.52551
0.08244	0.051	0.27138	0.092347	0.04609	0.123984	0.00731	0.044933	0.33259
0.78397	0.067345	0.1462	0.166709	0.0003	0.088597	0.05572	0.024215	0.6017
0.17834	0.064991	0.16086	0.184509	6.04E-05	0.131737	0.00435	-0.0392	0.39799
0.4451	0.048595	0.29466	0.02513	0.58803	0.043568	0.34751	0.023036	0.61952
0.92546	-0.12672	0.0061	0.027144	0.55846	-0.04115	0.37492	-0.02358	0.6112
0.02226	0.275512	1.40E-09	0.185031	5.76E-05	0.174897	0.00015	-0.00125	0.9785
4.18E-05	-0.10793	0.01965	-0.26401	6.91E-09	-0.25026	4.23E-08	-0.11797	0.01073
0.92851	0.000122	0.9979	0.022051	0.63457	0.009366	0.84002	-0.03573	0.44115
0.085	0.010364	0.82324	0.03502	0.45026	0.086423	0.06203	0.010602	0.81925
0.04208	0.05914	0.20205	0.076394	0.09917	0.10917	0.01828	0.000428	0.99265
0.07722	-0.05269	0.25579	-0.05472	0.23792	-0.07772	0.09344	-0.0316	0.49574
0.30612	0.07779	0.09313	0.043183	0.35179	0.052551	0.25706	0.021038	0.65021
0.06745	0.092049	0.0468	-0.05352	0.24839	-0.01867	0.68743	-0.21211	3.76E-06
0.05014	-0.16582	0.00032	-0.00673	0.88464	-0.00948	0.83811	0.021602	0.64148
0.25805	-0.25585	2.05E-08	-0.18365	6.55E-05	-0.14202	0.0021	-0.07618	0.10011
0.317	-0.14581	0.00158	-0.06417	0.16624	-0.04327	0.35082	0.008408	0.8562
8.58E-16	0.087619	0.05849	0.28854	2.09E-10	0.343433	2.25E-14	0.032915	0.47796
0.20878	-0.21343	3.26E-06	-0.03907	0.39957	-0.02231	0.63053	-0.09625	0.0376
0.00477	0.211456	4.03E-06	0.295738	7.02E-11	0.248299	5.43E-08	-0.11444	0.01334
0.08444	-0.11635	0.01186	-0.04807	0.2999	-0.01728	0.70952	-0.05184	0.26359
0.06811	0.095378	0.03937	0.144276	0.00177	0.133362	0.00389	-0.05659	0.2222
0.27446	-0.14212	0.00208	-0.08953	0.05317	-0.0876	0.05854	-0.13289	0.00402
0.18156	0.022975	0.62045	0.064832	0.16189	0.062289	0.17902	-0.03641	0.43242
1.74E-05	-0.09814	0.03399	-0.22078	1.45E-06	-0.21987	1.61E-06	-0.15295	0.00091
0.8421	-0.0542	0.24241	-0.03196	0.49088	-0.02847	0.5394	0.119942	0.00948
0.0029	-0.02758	0.55213	-0.12993	0.00492	0.024727	0.59404	0.117064	0.01135
6.38E-07	0.129072	0.00521	0.041061	0.37598	0.140193	0.00239	0.033788	0.46635
7.57E-08	-0.23806	1.93E-07	-0.15726	0.00065	-0.0921	0.04668	-0.01727	0.70975
0.32506	-0.16137	0.00046	-0.09667	0.03676	-0.08728	0.05949	0.117654	0.01094
9.46E-05	-0.26385	7.06E-09	-0.27896	8.54E-10	-0.29738	5.45E-11	-0.13012	0.00486
0.00265	-0.08032	0.08295	-0.13205	0.00426	-0.13939	0.00254	-0.21734	2.13E-06
0.93815	-0.1677	0.00027	-0.10098	0.02912	-0.12165	0.0085	0.015794	0.73353
0.13455	0.219129	1.74E-06	0.136969	0.00302	0.189743	3.68E-05	-0.16845	0.00026

0.14536	-0.39212	1.29E-18	-0.22739	6.83E-07	-0.25657	1.86E-08	-0.19307	2.66E-05
2.05E-05	0.11514	0.01278	0.288357	2.15E-10	0.249638	4.58E-08	0.066955	0.14856
0.02466	0.025589	0.58123	-0.04623	0.31886	-0.08308	0.07287	-0.12226	0.00817
8.01E-13	0.136293	0.00317	0.171582	0.00019	0.258755	1.40E-08	-0.07317	0.1143
0.04043	-0.03219	0.48766	-0.05568	0.22976	-0.06963	0.13298	-0.30289	2.30E-11
0.00296	-0.16716	0.00029	-0.12696	0.00601	-0.14911	0.00123	-0.13961	0.0025
2.02E-10	0.155068	0.00077	0.320943	1.20E-12	0.289083	1.93E-10	0.11497	0.01291
5.57E-10	0.142882	0.00197	0.083078	0.07287	0.202452	1.04E-05	-0.00168	0.97119
0.25389	0.027283	0.55645	-0.02911	0.53038	0.023738	0.60887	0.020499	0.6586
4.81E-09	0.36552	3.30E-16	0.439136	1.95E-23	0.414181	8.79E-21	-0.1025	0.02677
4.78E-08	0.117407	0.01111	0.241006	1.35E-07	0.2065	6.82E-06	-0.20314	9.67E-06
0.60333	-0.27909	8.39E-10	-0.11024	0.01717	-0.11022	0.01718	-0.21996	1.59E-06
0.0004	-0.22512	8.88E-07	0.002008	0.96549	0.016563	0.7211	0.05505	0.23509
0.00116	-0.19237	2.85E-05	-0.16861	0.00025	-0.03387	0.46527	-0.07609	0.10052
0.3418	0.056519	0.22281	0.057546	0.2145	0.084336	0.06863	-0.1233	0.00764
0.27059	-0.22613	7.90E-07	-0.16844	0.00026	-0.15952	0.00054	-0.11548	0.01252
0.85542	-0.11716	0.01128	-0.06766	0.14431	-0.04376	0.34534	-0.112	0.01546
4.31E-05	-0.12781	0.00568	-0.24414	9.15E-08	-0.24156	1.26E-07	-0.05196	0.26241
0.48644	0.029497	0.52486	0.072486	0.11775	0.063064	0.17366	-0.1	0.03072
0.04118	-0.0995	0.03158	1.67E-06	0.99997	0.002021	0.96527	-0.00654	0.88795
0.73469	0.213213	3.34E-06	0.072117	0.11963	0.109322	0.01812	0.219048	1.76E-06
0.02052	0.137472	0.00291	-0.12679	0.00608	-0.04236	0.36106	-0.08517	0.06591
0.02491	-0.02795	0.54684	-0.01385	0.76537	-0.00533	0.90856	-0.09809	0.03407
0.16969	-0.19791	1.65E-05	-0.02195	0.63616	-0.05778	0.21262	0.106472	0.02138
0.097	-0.07142	0.12325	-0.12665	0.00613	-0.15362	0.00087	-0.05471	0.23801
8.72E-06	-0.20403	8.83E-06	0.078924	0.08845	0.08578	0.064	0.135238	0.00341
0.98303	-0.07032	0.12914	0.063804	0.16866	-0.03717	0.42295	0.015977	0.73058
0.0998	-0.18009	9.10E-05	-0.22932	5.47E-07	-0.25022	4.25E-08	-0.02703	0.56014
0.30148	0.067712	0.14401	0.077125	0.09597	0.05278	0.25498	0.021125	0.64887
0.2292	-0.00611	0.8952	-0.05908	0.20248	-0.03972	0.39179	-0.05085	0.27276
0.08634	-0.05651	0.2229	-0.10415	0.0244	-0.11366	0.01399	0.03027	0.51405
0.01709	0.223462	1.07E-06	-0.03519	0.44801	0.042577	0.3586	0.058262	0.20884
0.77792	-0.12232	0.00814	-0.03753	0.41845	-0.0655	0.1576	0.031494	0.49718
0.54973	0.033684	0.46773	-0.11895	0.01009	-0.0688	0.13767	-0.16564	0.00032
0.00033	-0.02562	0.58076	-0.13616	0.0032	-0.14014	0.0024	0.073761	0.11141
0.50139	-0.05458	0.23912	-0.02577	0.57862	-0.02905	0.53119	0.010647	0.8185
0.00489	-0.13693	0.00303	-0.18152	7.98E-05	-0.1549	0.00078	0.121415	0.00863
0.90472	-0.22906	5.63E-07	-0.29434	8.70E-11	-0.17755	0.00011	-0.03137	0.4989
0.00239	-0.00029	0.99501	0.076815	0.09732	0.097049	0.03603	0.085531	0.06478
0.00898	0.041305	0.37315	-0.02273	0.62421	-0.08476	0.06724	-0.18667	4.93E-05
0.02062	0.326951	4.27E-13	0.325205	5.77E-13	0.272987	2.00E-09	0.278586	9.02E-10
0.01737	0.252784	3.05E-08	0.103513	0.02529	0.02303	0.6196	0.049401	0.28671
0.65139	-0.01926	0.67797	0.028674	0.5365	-0.01907	0.68099	0.092643	0.0454
0.09407	0.057992	0.21097	0.025537	0.58199	-0.02222	0.63203	0.09472	0.04075
3.04E-05	-0.24212	1.18E-07	-0.08728	0.05948	-0.03037	0.51263	0.058001	0.2109

6.75E-07	0.029984	0.51804	-0.04985	0.28235	0.076525	0.09859	0.117359	0.01114
0.15805	-0.0728	0.11617	-0.09242	0.04593	-0.0564	0.2238	0.016684	0.71914
0.0008	-0.15549	0.00075	-0.07199	0.1203	-0.00657	0.88748	0.068831	0.13748
0.60124	0.018918	0.68345	-0.04069	0.38036	-0.01143	0.80536	0.094264	0.04174
0.00988	0.204955	8.02E-06	0.194291	2.36E-05	0.173464	0.00017	-0.00963	0.83549
9.06E-06	0.055044	0.23514	0.130023	0.00489	0.183815	6.45E-05	0.13711	0.00299
0.94554	-0.18884	4.01E-05	-0.16262	0.00042	-0.11957	0.0097	-0.1903	3.49E-05
0.11463	-0.05802	0.21072	-0.07049	0.12825	-0.05525	0.23337	-0.18537	5.57E-05
0.14937	0.054924	0.23617	0.120104	0.00938	0.117951	0.01074	-0.03368	0.46779
0.0883	-6.74E-05	0.99884	0.04945	0.28624	0.071141	0.12473	0.025291	0.58564
3.09E-07	-0.07986	0.08473	-0.02124	0.64714	0.071058	0.12518	0.111226	0.01619
0.54585	0.075331	0.10398	0.022895	0.62165	0.010027	0.8289	0.011396	0.80598
0.31047	-0.15157	0.00102	-0.0628	0.17547	-0.05758	0.21419	-0.02599	0.57534
0.75055	0.261917	9.17E-09	0.152907	0.00092	0.141724	0.00214	0.170671	0.00021
0.42028	-0.07195	0.12052	0.06687	0.14907	0.014372	0.75674	0.034223	0.46064
2.31E-11	0.184267	6.18E-05	0.176415	0.00013	0.28722	2.55E-10	0.103804	0.02488
0.76051	0.013862	0.76511	-0.01374	0.76705	-0.00581	0.90043	0.041415	0.37187
0.45152	-0.1671	0.00029	-0.04306	0.35311	-0.02402	0.60463	0.028823	0.53438
0.04348	-0.06372	0.16922	-0.04208	0.36419	-0.01623	0.7264	0.130532	0.00472
9.05E-06	-0.08615	0.06287	-0.01992	0.66768	0.041212	0.37422	-0.01909	0.68068
0.09924	-0.06114	0.18722	-0.10014	0.03049	-0.10557	0.02251	-0.03338	0.47176
0.10222	-0.13542	0.00337	-0.06848	0.13951	-0.08886	0.055	-0.0548	0.23725
0.93628	0.007136	0.87776	-0.08077	0.08122	-0.03534	0.44614	-0.10739	0.02027
0.7861	-0.05598	0.22726	-0.01275	0.78348	-0.03585	0.43955	-0.12683	0.00606
0.03391	-0.01663	0.72003	-0.02762	0.55156	0.01597	0.7307	0.167883	0.00027
0.52326	0.060607	0.19107	-0.01021	0.82591	0.037862	0.41433	0.083805	0.07039
0.3387	-0.10997	0.01744	-0.0959	0.0383	-0.07252	0.11757	-0.01462	0.7527
0.14844	-0.15423	0.00083	-0.041	0.3767	-0.05043	0.27679	0.047289	0.30785
0.00215	-0.16179	0.00045	-0.15076	0.00108	-0.18275	7.12E-05	-0.02825	0.54249
0.02631	-0.12676	0.00609	-0.09472	0.04076	-0.1308	0.00464	-0.05298	0.2532
0.89841	-0.06665	0.15044	-0.06947	0.13385	-0.07368	0.11183	0.056571	0.22238
0.06129	-0.1537	0.00086	-0.10456	0.02384	-0.11816	0.0106	-0.07205	0.12
0.19727	0.080297	0.08303	-0.04805	0.30009	0.027853	0.54823	0.242786	1.08E-07
0.82353	-0.01547	0.73877	0.004273	0.92662	0.008531	0.85412	0.036458	0.43185
0.63653	-0.0405	0.38259	-0.04933	0.28739	-0.04157	0.37006	0.036773	0.42789
0.00333	-0.12295	0.00782	-0.2203	1.53E-06	-0.1878	4.43E-05	-0.00908	0.84479
0.00145	-0.15737	0.00064	-0.17449	0.00015	-0.21101	4.23E-06	-0.10342	0.02542
0.29022	-0.08466	0.06758	-0.0464	0.31709	-0.02501	0.58984	0.010026	0.82893
0.79093	-0.00171	0.97054	0.004944	0.91514	0.015589	0.73687	-0.04565	0.32493
0.77512	-0.12629	0.00628	-0.11119	0.01623	-0.09705	0.03604	0.002892	0.9503
0.50526	-0.06731	0.14639	0.012887	0.78121	-0.03952	0.39417	0.021336	0.64559
0.26455	-0.09862	0.03311	-0.06703	0.14808	-0.05625	0.22503	0.048217	0.29844
0.40361	-0.15396	0.00084	-0.07525	0.10433	-0.07558	0.10283	0.037589	0.41771
0.53007	-0.09783	0.03455	-0.0754	0.10367	-0.07453	0.10771	-0.03551	0.44389
0.83324	-0.0708	0.12653	-0.07438	0.10844	-0.03956	0.3937	-0.00984	0.83196

0.88435	0.037288	0.42145	0.038007	0.41254	0.032129	0.48854	0.016936	0.71509
0.36461	-0.02903	0.53147	-0.01493	0.74759	-0.01311	0.77754	0.024045	0.60425
0.17794	0.022914	0.62136	0.086551	0.06164	0.082274	0.0757	-0.12161	0.00852
0.96229	-0.02447	0.59785	0.001293	0.97777	0.00455	0.92189	0.020204	0.6632
0.74363	-0.10355	0.02523	-0.07511	0.10502	-0.05273	0.25544	-0.01365	0.76861
0.66273	-0.07304	0.11496	-0.03216	0.48807	-0.03221	0.48745	0.013571	0.76991
0.59261	-0.03141	0.49831	-0.04247	0.35982	-0.02287	0.62197	0.012919	0.78067
0.2912	-0.05917	0.20182	-0.06271	0.17611	-0.05997	0.19575	0.002833	0.95131
0.64366	-0.26262	8.34E-09	-0.09663	0.03685	-0.08221	0.07592	0.020708	0.65534
0.03921	-0.15089	0.00107	-0.13976	0.00247	-0.12165	0.0085	-0.05122	0.26934
0.11503	0.105464	0.02265	0.072619	0.11708	0.064288	0.16544	0.11017	0.01723
0.69935	-0.08419	0.0691	-0.07141	0.1233	-0.04588	0.3225	-0.04406	0.34208
0.10622	-0.08502	0.06639	0.02416	0.60252	0.027384	0.555	0.070793	0.1266
0.64857	-0.13437	0.00362	-0.05446	0.24011	-0.0853	0.06552	0.038078	0.41166
0.79196	0.009031	0.84568	-0.01657	0.72104	-0.02531	0.5854	0.017946	0.69889
0.92447	0.011686	0.80114	0.01166	0.80158	0.004575	0.92145	0.02024	0.66265
0.86607	0.003114	0.9465	0.017419	0.70733	0.022358	0.62986	0.023738	0.60888
0.40906	-0.04641	0.31697	0.002689	0.95378	-0.00027	0.99538	0.045409	0.3275
0.20893	-0.02924	0.52849	-0.02792	0.54728	-0.03038	0.51247	0.003903	0.93296
5.79E-05	0.015257	0.74228	0.010053	0.82847	0.052694	0.25576	0.169459	0.00023
0.00025	-0.05229	0.25942	0.113296	0.0143	0.112656	0.01486	-0.02589	0.57685
0.05681	0.08124	0.07947	0.05503	0.23525	0.001362	0.97658	0.162855	0.00041
0.0055	0.127225	0.0059	0.083422	0.07169	0.003082	0.94704	0.166553	0.0003
0.07097	0.077726	0.0934	0.081843	0.07725	0.079838	0.08481	0.114378	0.01339
8.11E-08	-0.04652	0.31579	-0.06566	0.15659	0.03842	0.40748	0.301702	2.77E-11
3.76E-05	-0.24019	1.49E-07	-0.1272	0.00591	-0.06275	0.1758	0.22137	1.36E-06
0.94922	0.129836	0.00495	0.021311	0.64598	0.082223	0.07588	0.052836	0.25448
1.18E-08	0.370122	1.31E-16	0.400265	2.14E-19	0.394081	8.43E-19	0.055477	0.23147
0.00357	0.394145	8.31E-19	0.250643	4.02E-08	0.253847	2.66E-08	0.158404	0.00059
0.01932	0.220288	1.53E-06	0.147712	0.00137	0.064296	0.16539	0.228492	6.02E-07
0.01723	-0.20585	7.31E-06	-0.10893	0.01854	-0.17143	0.0002	-0.12531	0.0067
0.2143	0.088803	0.05515	0.01969	0.67127	0.066177	0.15334	0.049002	0.29063
0.00572	-0.05548	0.23143	0.03925	0.39742	0.07471	0.10687	-0.01174	0.8003
0.15348	-0.04027	0.38529	-0.01963	0.67214	0.022564	0.62671	0.05659	0.22223
0.35121	0.02179	0.63858	-0.00491	0.9158	0.029444	0.52561	0.005267	0.90962
0.66578	-0.03205	0.48955	0.004871	0.91639	-0.02489	0.59161	-0.16547	0.00033
0.35622	0.068632	0.13863	0.079671	0.08546	0.05577	0.22901	0.096218	0.03766
0.1087	0.009311	0.84094	0.072419	0.11809	0.064209	0.16597	-0.02077	0.65433
3.59E-11	0.166717	0.0003	0.127775	0.00569	0.218943	1.78E-06	0.021811	0.63825
0.01856	0.017075	0.71284	0.091221	0.04882	0.106823	0.02095	-0.05746	0.21521
0.02828	-0.21246	3.62E-06	-0.10782	0.01977	-0.12566	0.00655	0.032223	0.48727
2.88E-07	0.033736	0.46704	0.15278	0.00093	0.226986	7.16E-07	0.000186	0.9968
2.20E-05	0.250344	4.18E-08	0.305895	1.43E-11	0.314901	3.29E-12	-0.04447	0.33765
0.02009	-0.0936	0.0432	0.129899	0.00493	0.079519	0.08607	-0.25411	2.57E-08
0.10652	-0.21753	2.08E-06	-0.12974	0.00498	-0.10405	0.02454	0.140105	0.00241

0.81506	-0.04852	0.29543	0.022666	0.62516	0.021546	0.64235	-0.17053	0.00021
0.17066	-0.02575	0.57883	-0.03182	0.49279	-0.03731	0.42118	-0.0666	0.15075
1.02E-09	-0.00324	0.94429	0.011347	0.8068	0.140875	0.00228	0.475569	9.96E-28
4.54E-08	0.244473	8.78E-08	0.250178	4.27E-08	0.318467	1.81E-12	-0.13682	0.00305
4.79E-16	0.378253	2.48E-17	0.405694	6.27E-20	0.467633	9.49E-27	0.077248	0.09544
0.99167	0.144949	0.00169	-0.05746	0.21521	0.020017	0.66613	0.229614	5.28E-07
0.00035	0.161628	0.00045	0.205179	7.83E-06	0.204544	8.37E-06	0.101217	0.02874
5.44E-10	-0.09888	0.03265	0.185607	5.45E-05	0.189537	3.75E-05	0.197049	1.79E-05
0.21701	-0.18125	8.18E-05	-0.05469	0.2382	-0.07615	0.10028	-0.0693	0.13482
0.20255	-0.14136	0.0022	-0.02075	0.65469	-0.04264	0.35787	-0.08121	0.07957
0.23785	-0.06689	0.14894	-0.18445	6.08E-05	-0.07259	0.1172	0.081967	0.0768
0.02496	-0.21561	2.57E-06	-0.10055	0.0298	-0.07099	0.12552	0.035374	0.44568
0.8222	-0.03311	0.47532	0.0378	0.41509	0.0008	0.98625	-0.09786	0.03451
0.00177	0.070336	0.12907	-0.12889	0.00528	0.05359	0.24775	0.200239	1.30E-05
0.78932	0.172203	0.00018	-0.12467	0.00699	-0.05703	0.21861	0.209703	4.87E-06
9.88E-17	0.394289	8.05E-19	0.399604	2.48E-19	0.41478	7.63E-21	0.096832	0.03645
0.94715	0.035936	0.43849	-0.02075	0.65464	0.013531	0.77057	0.251796	3.47E-08
0.12557	-0.00367	0.93694	-0.00151	0.97412	0.026569	0.56683	0.354536	2.81E-15
0.07117	-0.0984	0.03352	0.050675	0.27445	0.055235	0.23352	0.154027	0.00084
0.10651	-0.11922	0.00992	-0.09211	0.04665	-0.10449	0.02393	-0.01681	0.71705
2.69E-21	0.388422	2.88E-18	0.457667	1.48E-25	0.523697	3.01E-34	0.116865	0.01149
0.01155	-0.07791	0.09262	0.123521	0.00753	0.091014	0.04934	-0.00139	0.97609
0.00721	-0.15325	0.00089	0.100202	0.03039	0.072338	0.1185	-0.01241	0.78919
0.04018	-0.21467	2.85E-06	0.000407	0.99299	-0.00317	0.94559	-0.04015	0.38667
0.26684	-0.14868	0.00127	-0.03767	0.41668	-0.07699	0.09656	-0.0967	0.03671
0.01938	-0.04273	0.35683	0.104468	0.02396	0.087817	0.05792	0.001303	0.97759
0.0046	0.148349	0.0013	0.296354	6.38E-11	0.206681	6.70E-06	-0.0635	0.17072
0.79445	0.083924	0.06999	0.018701	0.68689	0.032353	0.48551	0.338453	5.59E-14
1.21E-22	0.251043	3.82E-08	0.189764	3.67E-05	0.387571	3.46E-18	0.435556	4.83E-23
0.18259	-0.0131	0.77773	-0.13619	0.00319	-0.03528	0.44695	-0.09543	0.03925
7.71E-08	0.010654	0.81839	0.234224	3.06E-07	0.216054	2.45E-06	0.190542	3.40E-05
0.43762	-0.15756	0.00063	-0.1326	0.0041	-0.12242	0.00808	0.002268	0.96101
1.72E-12	0.15035	0.00112	0.036071	0.43676	0.192455	2.83E-05	0.040043	0.38793
3.05E-11	0.086493	0.06181	0.085136	0.06603	0.153206	0.0009	0.167538	0.00028
2.88E-09	0.386988	3.92E-18	0.203883	8.96E-06	0.304548	1.77E-11	0.056778	0.2207
0.00254	-0.03832	0.40868	0.020174	0.66367	0.035882	0.43918	0.098603	0.03315
0.07001	-0.09691	0.0363	-0.09892	0.03258	-0.11397	0.01372	-0.08215	0.07615
2.06E-10	-0.17922	9.85E-05	-0.33339	1.38E-13	-0.34293	2.47E-14	-0.13149	0.00442
0.95385	-0.27484	1.54E-09	-0.1702	0.00022	-0.16382	0.00038	0.061873	0.18195
8.15E-08	0.280934	6.42E-10	0.335389	9.69E-14	0.305444	1.53E-11	0.332261	1.69E-13
0.35332	0.119784	0.00957	0.088081	0.05716	0.092144	0.04657	0.037488	0.41896
1.59E-05	-0.23661	2.30E-07	-0.28476	3.67E-10	-0.28007	7.29E-10	-0.26295	7.98E-09
0.00099	0.067216	0.14698	0.045127	0.33052	0.143104	0.00193	0.149137	0.00123
0.17036	0.076746	0.09762	-0.06464	0.16316	-0.00842	0.85602	0.194013	2.43E-05
0.00166	-0.03551	0.44387	0.074489	0.10791	0.11177	0.01567	0.021053	0.64998



0.15698	0.124796	0.00693	0.094382	0.04148	0.082267	0.07573	-0.29561	7.16E-11
0.15632	-0.05483	0.237	-0.00147	0.97481	0.004889	0.91608	-0.00409	0.92977
5.72E-08	0.174447	0.00015	0.094611	0.04099	0.174598	0.00015	0.340886	3.59E-14
0.77727	-0.12737	0.00584	-0.124	0.0073	-0.11744	0.01109	0.044729	0.33479
0.60443	-0.09804	0.03416	-0.01866	0.68755	-0.02815	0.54398	-0.18735	4.62E-05
0.9322	-0.00057	0.99028	0.002016	0.96534	-0.01032	0.82396	0.008411	0.85615
0.31479	0.064697	0.16277	0.050958	0.27178	0.075082	0.10513	-0.18251	7.28E-05
0.48157	0.032099	0.48894	0.05698	0.21906	0.013382	0.77303	0.076646	0.09806
0.33286	0.002842	0.95116	0.009803	0.83267	0.001391	0.97609	-0.00723	0.87614
0.03848	0.283037	4.73E-10	0.093017	0.04453	0.141168	0.00223	0.16752	0.00028
3.06E-15	0.089772	0.05254	0.310369	6.92E-12	0.337	7.26E-14	0.069363	0.13446
3.50E-24	0.257651	1.62E-08	0.196884	1.82E-05	0.359722	1.03E-15	0.180931	8.43E-05
1.60E-06	-7.91E-05	0.99864	-0.15996	0.00052	-0.1596	0.00054	0.130251	0.00481
0.00143	-0.04467	0.3354	-0.16432	0.00036	-0.02167	0.64037	0.446959	2.58E-24
0.18864	-0.28265	5.01E-10	-0.14683	0.00146	-0.13216	0.00422	-0.10568	0.02237
0.04495	-0.21019	4.62E-06	-0.20857	5.49E-06	-0.20674	6.65E-06	-0.13281	0.00404
0.08057	-0.18199	7.64E-05	-0.14388	0.00183	-0.14356	0.00187	-0.04494	0.33252
0.78199	-0.02467	0.59494	0.002956	0.94921	0.001474	0.97466	-0.12853	0.00541
0.92568	0.007596	0.86995	-0.12161	0.00852	-0.05028	0.27823	0.043015	0.35367
0.0864	0.005207	0.91064	-0.03349	0.47032	0.021275	0.64654	-0.14024	0.00239
0.05327	0.024154	0.6026	-0.04498	0.33208	0.025531	0.58209	0.099916	0.03086
0.97077	-0.21126	4.12E-06	-0.22598	8.04E-07	-0.15925	0.00055	0.009131	0.84398
0.05063	-0.1279	0.00564	-0.15454	0.00081	-0.07227	0.11886	0.04517	0.33005
0.42574	-0.12655	0.00617	-0.22085	1.44E-06	-0.14599	0.00156	-0.04061	0.3812
0.89943	-0.04256	0.35876	-0.18787	4.40E-05	-0.08437	0.06852	-0.03611	0.43632
6.55E-05	-0.15082	0.00108	-0.26315	7.76E-09	-0.23631	2.39E-07	-0.17947	9.63E-05
0.46384	-0.04806	0.30003	-0.22521	8.78E-07	-0.12187	0.00838	0.194934	2.21E-05
0.38137	-0.11782	0.01083	-0.2127	3.53E-06	-0.13893	0.00262	0.057641	0.21374
0.30956	0.000821	0.98589	-0.11889	0.01013	-0.02611	0.57356	-0.0342	0.46095
1.73E-06	-0.14977	0.00117	-0.28867	2.05E-10	-0.24873	5.13E-08	-0.03106	0.50312
6.95E-08	-0.13728	0.00295	-0.18638	5.07E-05	-0.20773	6.00E-06	-0.18914	3.90E-05
0.36531	-0.09258	0.04553	-0.10911	0.01835	-0.08203	0.07656	0.038267	0.40935
0.00593	-0.25753	1.64E-08	-0.23457	2.94E-07	-0.22283	1.15E-06	-0.04225	0.36233
0.00486	-0.31165	5.61E-12	-0.18848	4.15E-05	-0.21115	4.17E-06	-0.19652	1.89E-05
0.12449	-0.00805	0.86227	-0.10806	0.01951	-0.00394	0.93225	0.00057	0.9902
0.3535	-0.22033	1.53E-06	-0.16785	0.00027	-0.13279	0.00404	-0.13811	0.00278
0.00091	-0.12196	0.00833	-0.23794	1.96E-07	-0.20991	4.76E-06	0.015499	0.73833
0.64244	-0.15523	0.00076	-0.24759	5.93E-08	-0.15193	0.00099	0.067238	0.14684
0.00092	-0.18655	4.99E-05	-0.29637	6.37E-11	-0.25094	3.87E-08	-0.10415	0.0244
0.037	-0.12389	0.00735	-0.32365	7.54E-13	-0.24466	8.57E-08	-0.01036	0.82331
3.02E-10	0.232634	3.70E-07	0.148942	0.00125	0.287997	2.27E-10	0.12933	0.00512
0.01253	-0.14954	0.00119	-0.04295	0.35439	-0.0166	0.72051	0.081504	0.07849
0.01017	-0.29072	1.51E-10	-0.16284	0.00041	-0.19964	1.38E-05	-0.41903	2.79E-21
0.01518	-0.07785	0.09288	-0.08838	0.05631	-0.12662	0.00614	-0.22123	1.38E-06
0.00562	-0.08095	0.08055	-0.16522	0.00034	-0.17314	0.00017	0.038682	0.40428

0.13073	-0.11389	0.01379	-0.03968	0.39223	-0.08404	0.06961	-0.03661	0.42994
6.75E-08	-0.02457	0.59642	0.157448	0.00064	0.188369	4.19E-05	-0.03358	0.46914
8.00E-09	-0.26389	7.03E-09	-0.33031	2.38E-13	-0.32992	2.55E-13	-0.22458	9.44E-07
0.8968	-0.0673	0.14644	-0.21902	1.77E-06	-0.14336	0.0019	0.057815	0.21237
0.04977	0.323015	8.41E-13	0.166744	0.0003	0.257087	1.74E-08	0.300173	3.53E-11
0.61753	-0.01116	0.80999	-0.01124	0.80852	-0.0527	0.25571	0.277959	9.87E-10
0.00242	-0.23445	2.98E-07	0.142457	0.00203	0.087298	0.05942	0.007022	0.87971
0.13236	-0.1342	0.00367	-0.01598	0.73056	-0.08162	0.07805	-0.12443	0.0071
0.01533	-0.24839	5.36E-08	-0.16389	0.00038	-0.19269	2.76E-05	-0.2301	4.99E-07
0.50408	-0.09743	0.03531	-0.1226	0.00799	-0.09821	0.03385	-0.04852	0.29544
0.66771	-0.06918	0.13549	0.006869	0.88231	-0.0288	0.53471	0.170436	0.00022
0.09697	0.035819	0.43997	0.037176	0.42284	0.022031	0.63488	0.125159	0.00677
3.81E-08	-0.19649	1.90E-05	0.048274	0.29786	0.053266	0.25063	0.005129	0.91199
0.65235	-0.05813	0.20987	0.06008	0.19497	0.031259	0.50039	0.009666	0.83497
0.00126	-0.08604	0.0632	0.12642	0.00623	0.131882	0.00431	0.007525	0.87116
0.00037	0.002622	0.95494	0.11859	0.01032	0.100725	0.02953	0.230357	4.84E-07
0.02916	-0.10217	0.02726	-0.17873	0.0001	-0.12376	0.00741	-0.00239	0.95885
0.00325	0.147685	0.00137	0.176338	0.00013	0.199092	1.46E-05	0.108956	0.01851
0.01948	0.131785	0.00433	0.075375	0.10378	0.089255	0.05392	0.276691	1.18E-09
0.26156	-0.06616	0.15346	-0.02034	0.66104	-0.03944	0.39517	0.000498	0.99144
0.02155	0.176215	0.00013	0.170545	0.00021	0.18028	8.94E-05	0.000652	0.98879
0.00362	-0.11792	0.01076	0.000802	0.98622	0.008731	0.85074	-0.01418	0.75988
0.00915	0.019326	0.677	0.069802	0.13201	0.075726	0.10217	-0.16757	0.00028
0.01535	-0.10903	0.01843	-0.03192	0.49136	-0.09521	0.03971	0.024173	0.60232
0.94052	-0.1295	0.00507	-0.07301	0.1151	-0.11793	0.01076	-0.04304	0.35343
0.00452	-0.04946	0.28615	-0.04775	0.30312	-0.1049	0.02339	-0.12553	0.0066
0.50903	-0.16509	0.00034	-0.03394	0.46436	-0.08462	0.06771	0.217183	2.16E-06
7.52E-12	-0.00066	0.98858	-0.06764	0.14444	0.113679	0.01397	0.048898	0.29166
0.85167	0.017534	0.70548	0.047279	0.30795	0.027182	0.55791	0.041041	0.37622
0.00345	-0.11402	0.01368	-0.31174	5.53E-12	-0.23416	3.09E-07	0.136275	0.00317
0.01793	0.16711	0.00029	-0.03868	0.40427	0.066354	0.15224	0.295878	6.87E-11
0.01035	-0.05738	0.21584	0.05063	0.27488	0.062507	0.1775	0.012758	0.78334
0.74027	-0.07346	0.11287	-0.06575	0.15605	-0.04314	0.35229	0.024094	0.60351
0.09576	-0.1561	0.00071	-0.05696	0.21924	-0.03741	0.41997	0.016877	0.71604
1.49E-05	0.13721	0.00297	0.128164	0.00554	0.180086	9.10E-05	0.226967	7.18E-07
0.34254	-0.09452	0.04118	-0.09478	0.04063	-0.09028	0.05122	-0.13473	0.00353
0.49338	0.03099	0.50409	0.083402	0.07176	0.067064	0.14789	-0.3087	9.07E-12
0.92598	0.016806	0.71717	0.036583	0.43028	0.011553	0.80337	0.089651	0.05286
0.5403	0.048077	0.29985	-0.02794	0.54694	-0.00996	0.83003	0.13401	0.00372
0.53692	-0.04404	0.34234	-0.03172	0.49406	-0.00499	0.91431	-0.06759	0.14476
0.99046	-0.24426	9.02E-08	-0.22602	8.01E-07	-0.15997	0.00052	0.050313	0.2779
0.00509	-0.27792	9.92E-10	-0.19238	2.85E-05	-0.2222	1.24E-06	-0.22345	1.07E-06
0.001	0.216529	2.33E-06	0.111872	0.01558	0.155309	0.00076	-0.00171	0.97053
1.83E-08	-0.21423	2.99E-06	-0.23432	3.03E-07	-0.28322	4.60E-10	-0.13672	0.00307
1.03E-12	-0.07848	0.09028	0.009981	0.82967	-0.16152	0.00046	0.079355	0.08672

0.90615	-0.00106	0.98186	0.026022	0.57485	0.016122	0.72822	-0.02773	0.55003
0.00025	-0.05956	0.19886	-0.0347	0.45437	0.001379	0.9763	-0.04917	0.28895
0.03427	0.345681	1.49E-14	0.149332	0.00121	0.17007	0.00022	0.243172	1.03E-07
6.53E-05	0.311728	5.54E-12	0.238561	1.82E-07	0.267943	4.04E-09	0.128282	0.0055
0.92945	0.115388	0.01259	-0.19861	1.53E-05	-0.05845	0.2074	0.019206	0.67889
0.00063	-0.1761	0.00013	0.039697	0.39206	0.035776	0.44053	-0.01211	0.79401
0.00022	-0.08978	0.0525	0.09195	0.04704	0.073086	0.11473	-0.00086	0.98527
0.01919	-0.04658	0.31516	-0.00614	0.8948	0.034238	0.46044	0.023656	0.61011
0.99184	-0.10586	0.02214	0.080869	0.08085	-0.03035	0.51292	-0.05983	0.19683
0.06002	0.242157	1.17E-07	0.118772	0.0102	0.093241	0.04402	0.126627	0.00614
0.00108	0.232355	3.83E-07	0.133789	0.00377	0.169484	0.00023	-0.03507	0.44957
0.00163	-0.00155	0.97338	-0.18002	9.16E-05	-0.02202	0.63501	-0.056	0.2271
0.22333	0.23046	4.78E-07	0.339457	4.66E-14	0.155813	0.00073	0.01218	0.79293
0.00025	0.110474	0.01693	-0.00439	0.92458	-0.07514	0.10486	-0.10215	0.02729
0.00027	0.076686	0.09789	0.150332	0.00112	0.141399	0.00219	0.019239	0.67838
0.25614	-0.05014	0.27952	-0.06182	0.18229	-0.07851	0.09014	0.000486	0.99165
0.82272	-0.23468	2.90E-07	-0.05484	0.23684	-0.09096	0.04947	0.098501	0.03333
0.04901	-0.20784	5.92E-06	-0.14879	0.00126	-0.1611	0.00047	-0.29494	7.94E-11
0.09304	0.203841	9.00E-06	0.048195	0.29865	0.1216	0.00853	0.284995	3.54E-10
0.00053	0.036596	0.43012	-0.07187	0.12092	-0.10406	0.02452	0.151756	0.001
0.00037	-0.08539	0.06523	-0.20184	1.11E-05	-0.19562	2.07E-05	-0.31638	2.57E-12
2.14E-09	-0.10384	0.02483	0.163204	0.0004	0.127562	0.00577	0.084211	0.06904
0.50258	-0.18361	6.57E-05	-0.10529	0.02288	-0.1436	0.00186	-0.15943	0.00054
0.84926	0.144999	0.00168	0.199277	1.43E-05	0.09317	0.04418	0.054943	0.236
6.28E-10	-0.07952	0.08607	-0.0015	0.97417	0.075319	0.10403	0.239875	1.55E-07
0.00026	0.181857	7.74E-05	0.018013	0.69783	-0.02831	0.54164	0.072929	0.11552
0.58258	0.002796	0.95194	-0.26543	5.70E-09	-0.12482	0.00692	-0.15852	0.00059
0.00037	0.142478	0.00203	0.157698	0.00063	0.151927	0.00099	0.215647	2.56E-06
0.00084	-0.06625	0.15291	0.073244	0.11395	0.100274	0.03027	0.051921	0.26282
0.00152	0.0713	0.1239	0.178599	0.0001	0.180962	8.40E-05	-0.1605	0.0005
0.46834	0.034502	0.45699	0.030409	0.51212	0.033569	0.46925	0.107647	0.01998
1.61E-05	-0.34132	3.32E-14	-0.2731	1.97E-09	-0.2861	3.01E-10	-0.1861	5.21E-05
0.20445	0.033859	0.46543	0.015277	0.74195	0.019942	0.66731	0.12575	0.00651
0.00082	0.141343	0.0022	-0.07348	0.11277	-0.02939	0.52639	-0.11932	0.00985
0.00353	-0.11328	0.01432	-0.2294	5.41E-07	-0.22404	1.00E-06	-0.02467	0.59481
0.04993	-0.35021	6.39E-15	-0.23516	2.74E-07	-0.26638	5.00E-09	-0.21392	3.09E-06
0.01457	-0.16578	0.00032	-0.03437	0.45877	-0.12488	0.00689	0.059382	0.20021
0.33313	-0.23485	2.84E-07	-0.21392	3.09E-06	-0.15051	0.0011	-0.06668	0.15022
2.81E-05	-0.02437	0.59935	-0.10178	0.02785	-0.09415	0.04198	-0.08909	0.05436
1.12E-13	0.259628	1.24E-08	0.264272	6.67E-09	0.308082	1.00E-11	0.172948	0.00017
0.06275	0.049175	0.28893	0.135365	0.00338	0.101783	0.02785	0.036726	0.42848
0.00373	-0.07962	0.08566	-0.12019	0.00933	-0.14785	0.00135	-0.20381	9.03E-06
3.10E-05	0.0616	0.18389	-0.01762	0.70416	-0.08709	0.06002	0.048825	0.29238
2.91E-09	0.028024	0.54578	-0.2066	6.75E-06	-0.217	2.21E-06	0.073045	0.11493
0.0388	-0.02183	0.63803	0.041885	0.36646	0.053007	0.25294	0.244068	9.23E-08

0.03985	0.222782	1.16E-06	0.13943	0.00253	0.131722	0.00435	0.143191	0.00192
0.12732	-0.15774	0.00062	0.085061	0.06627	0.032382	0.48512	-0.03268	0.48111
0.01327	0.138467	0.00271	0.319145	1.62E-12	0.232383	3.81E-07	-0.00463	0.92047
0.17278	0.014754	0.75049	-0.10367	0.02506	-0.05266	0.25611	0.175972	0.00013
0.88864	0.142841	0.00197	-0.00789	0.86501	0.066132	0.15362	0.384057	7.33E-18
0.00343	-0.10495	0.02332	-0.13597	0.00324	-0.14465	0.00172	0.044732	0.33477
0.25277	-0.18776	4.44E-05	-0.06231	0.17889	-0.05589	0.22803	-0.06079	0.18973
0.00024	-0.02522	0.58662	-0.00964	0.83535	0.076016	0.10086	-0.0377	0.4163
0.00914	-0.24521	8.01E-08	-0.18288	7.04E-05	-0.1969	1.82E-05	-0.17827	0.00011
6.28E-05	-0.18099	8.38E-05	-0.29544	7.35E-11	-0.24511	8.11E-08	-0.12211	0.00825
0.00225	-0.04992	0.28164	0.020122	0.66449	0.054532	0.23953	0.183897	6.40E-05
0.425	-0.06394	0.16778	-0.04772	0.30347	-0.05218	0.26042	0.030952	0.50461
9.50E-12	0.059656	0.19814	0.105881	0.02211	0.237921	1.96E-07	0.128071	0.00558
0.0001	-0.0618	0.18249	-0.16252	0.00042	-0.1835	6.64E-05	-0.19708	1.79E-05
0.09013	0.122943	0.00782	0.09764	0.03491	0.080692	0.08152	-0.03515	0.44858
2.97E-05	0.066459	0.15159	0.222622	1.18E-06	0.197814	1.66E-05	0.452269	6.34E-25
0.01876	-0.06001	0.1955	0.023399	0.614	0.075127	0.10492	-0.09573	0.03865
0.44652	-0.01669	0.71908	-0.12201	0.00831	-0.0835	0.07143	0.397224	4.21E-19
0.00375	0.025914	0.57643	0.062811	0.1754	0.088966	0.0547	0.265944	5.31E-09
0.02692	-0.1003	0.03023	-0.0876	0.05854	0.03892	0.4014	-0.02509	0.58868
0.58643	-0.11	0.01741	-0.26824	3.88E-09	-0.14991	0.00116	0.160301	0.00051
5.03E-07	-0.12715	0.00593	0.053598	0.24768	0.110263	0.01714	0.03843	0.40735
0.00012	0.024023	0.60458	0.132557	0.00411	0.160547	0.0005	0.155438	0.00075
1.69E-06	0.12336	0.00761	-0.06722	0.14693	0.101657	0.02805	0.353658	3.32E-15
3.89E-05	0.409993	2.33E-20	0.149481	0.0012	0.226927	7.21E-07	0.093727	0.04292
0.27931	0.327975	3.58E-13	-0.08188	0.07712	0.046376	0.31728	0.332541	1.61E-13
2.69E-09	-0.02466	0.59505	0.065061	0.16041	0.136107	0.00321	0.389426	2.32E-18
0.00168	-0.19698	1.81E-05	-0.06918	0.13548	-0.19051	3.41E-05	-0.09178	0.04745
0.00538	-0.1926	2.79E-05	-0.08827	0.05664	-0.18229	7.43E-05	0.024636	0.59539
0.33837	-0.00073	0.98741	-0.03725	0.42192	-0.05812	0.21	-0.00558	0.90431
0.05903	0.441753	9.96E-24	0.027296	0.55627	0.134419	0.00361	0.285947	3.08E-10
0.61019	0.031908	0.49154	0.108117	0.01944	0.033783	0.46642	0.091691	0.04767
0.182	0.003749	0.93561	-0.19453	2.31E-05	-0.13213	0.00423	-0.02398	0.6052
8.10E-05	0.148871	0.00125	0.274491	1.62E-09	0.242868	1.07E-07	0.044916	0.33278
2.76E-05	-0.08844	0.05615	0.016278	0.72569	0.079209	0.0873	-0.04033	0.38452
0.58569	0.026995	0.56062	-0.19734	1.74E-05	-0.1171	0.01132	0.122836	0.00787
0.35329	-0.24547	7.75E-08	-0.16298	0.00041	-0.10497	0.02329	-0.02078	0.6543
0.48818	-0.06141	0.18522	-0.23302	3.53E-07	-0.15414	0.00083	0.033082	0.47573
0.00022	-0.15879	0.00057	-0.12823	0.00552	-0.16583	0.00032	0.136379	0.00315
0.88627	-0.02266	0.62519	-0.03974	0.39159	-0.01899	0.68227	-0.16949	0.00023
0.75361	0.010792	0.81608	0.043867	0.34421	0.022047	0.63463	0.042968	0.35419
1.43E-05	-0.0064	0.89024	0.144216	0.00178	0.148964	0.00124	-0.11601	0.01211
0.04339	-0.22827	6.17E-07	-0.16999	0.00022	-0.1891	3.91E-05	-0.21073	4.36E-06
4.32E-06	-0.3313	2.00E-13	0.05249	0.25761	0.030239	0.51448	-0.03708	0.42403
0.00015	-0.09315	0.04423	0.193053	2.67E-05	0.12863	0.00537	-0.05	0.28088

0.8196	-0.29659	6.16E-11	-0.20801	5.82E-06	-0.16735	0.00028	-0.16702	0.00029
0.05292	-0.0205	0.65858	0.058147	0.20975	0.072481	0.11778	0.035591	0.44289
0.00814	-0.25073	3.98E-08	-0.02018	0.66362	-0.01366	0.76842	0.004392	0.92458
0.00199	-0.00959	0.83626	-0.03506	0.44978	0.050027	0.28065	0.192124	2.92E-05
0.34499	0.133069	0.00397	0.011162	0.80988	0.000377	0.99353	0.075274	0.10424
0.00083	-0.12576	0.0065	0.102438	0.02686	0.114877	0.01299	0.062283	0.17906
0.00082	0.102557	0.02668	0.09289	0.04482	0.139454	0.00253	0.039731	0.39165
0.00363	-0.14872	0.00127	-0.11917	0.00995	-0.14665	0.00148	0.205478	7.59E-06
4.25E-10	0.063002	0.17409	0.11208	0.01538	0.16496	0.00034	0.180203	9.01E-05
0.81807	0.126712	0.00611	0.048942	0.29122	0.053879	0.24521	0.064737	0.1625
0.05697	-0.06371	0.16929	-0.06527	0.15904	-0.09166	0.04774	-0.17351	0.00016
0.16021	-0.04445	0.33785	-0.01008	0.82797	-0.04889	0.29172	-0.03415	0.46165
0.20936	-0.08119	0.07963	0.079899	0.08457	0.049125	0.28942	0.006238	0.89305
0.40834	0.046979	0.31102	0.018717	0.68663	0.015653	0.73582	-0.00632	0.89172
0.33819	-0.1141	0.01362	-0.06118	0.18693	-0.03865	0.4047	0.12288	0.00785
0.46314	-0.03093	0.50486	-0.0535	0.24853	-0.08374	0.07061	0.065683	0.15644
0.17445	0.182563	7.25E-05	0.120141	0.00936	0.157282	0.00065	-0.07461	0.10733
1.08E-17	0.265229	5.86E-09	0.350669	5.86E-15	0.352372	4.24E-15	0.232631	3.70E-07
7.90E-22	0.505749	1.08E-31	0.342871	2.50E-14	0.428986	2.49E-22	0.14906	0.00124
0.47845	0.188556	4.12E-05	0.202066	1.08E-05	0.130371	0.00477	-0.10912	0.01833
0.01428	-0.07957	0.08588	-0.06079	0.18974	-0.08071	0.08147	-0.06337	0.17157
0.07883	-0.13258	0.0041	-0.03682	0.42725	-0.07496	0.1057	-0.10785	0.01974
0.80936	-0.03828	0.40913	-0.00858	0.85322	-0.03064	0.50892	0.029729	0.52161
0.51636	0.000732	0.98742	-0.00103	0.98222	0.028385	0.54061	-0.12948	0.00507
0.03164	-0.03411	0.46215	0.017092	0.71258	0.019525	0.67386	0.024706	0.59435
0.01508	-0.14353	0.00187	-0.1198	0.00956	-0.14865	0.00127	-0.16755	0.00028
0.4112	-0.02386	0.60699	0.017295	0.70932	-0.01369	0.768	0.017485	0.70627
0.03521	0.026227	0.57184	-0.04301	0.3537	0.037866	0.41428	0.029031	0.53144
0.90516	-0.06759	0.14474	0.129815	0.00496	0.048065	0.29997	0.185047	5.75E-05
0.04442	-0.01293	0.78047	-0.02417	0.60244	-0.07198	0.12032	0.083852	0.07023
0.74484	0.105584	0.02249	0.054229	0.24215	0.004017	0.93101	0.079239	0.08718
2.90E-08	-0.0158	0.73344	0.147534	0.00139	0.148969	0.00124	0.026056	0.57435
0.51147	-0.05451	0.23974	-0.05005	0.28044	-0.07865	0.08958	-0.08338	0.07185
0.01415	-0.42169	1.47E-21	-0.21362	3.20E-06	-0.22216	1.24E-06	-0.14291	0.00196
0.07915	-0.28959	1.79E-10	-0.25996	1.19E-08	-0.24461	8.63E-08	-0.08471	0.0674
0.25561	0.004883	0.91619	-0.04427	0.33975	-0.02838	0.54074	0.110988	0.01642
0.1052	-0.16238	0.00043	-0.14989	0.00116	-0.1489	0.00125	-0.14422	0.00178
0.0017	0.092356	0.04607	-0.03359	0.46901	0.049795	0.28288	0.40087	1.87E-19
0.7726	0.016714	0.71867	0.094703	0.04079	0.056511	0.22288	0.069283	0.13492
0.58748	0.070658	0.12732	0.125165	0.00676	0.036084	0.43661	-0.0383	0.40898
0.31936	-0.08061	0.08185	0.065879	0.1552	-0.03192	0.49135	-0.02729	0.55642
0.63182	0.025993	0.57527	0.135694	0.0033	0.066884	0.14898	0.098766	0.03285
0.94313	0.126028	0.00639	0.06636	0.15221	0.106093	0.02185	0.308111	9.98E-12
2.13E-06	-0.04217	0.36317	-0.05089	0.27239	-0.14414	0.00179	-0.08675	0.06105
0.0119	0.094207	0.04186	0.188667	4.08E-05	0.131298	0.00448	0.1379	0.00282

0.00047	0.020008	0.66627	0.220983	1.42E-06	0.164436	0.00036	0.112584	0.01493
0.00047	0.284187	3.99E-10	0.053095	0.25216	0.197341	1.74E-05	0.303436	2.11E-11
0.00844	0.260811	1.06E-08	0.053668	0.24707	0.11561	0.01242	0.105388	0.02274
0.05952	-0.18171	7.84E-05	-0.02956	0.52391	-0.10293	0.02613	0.139114	0.00259
0.01515	0.089919	0.05215	0.276653	1.19E-09	0.194484	2.32E-05	0.157605	0.00063
1.99E-05	-0.04112	0.37527	-0.16801	0.00027	-0.16785	0.00027	-0.09196	0.04701
0.03554	-0.10933	0.0181	-0.13434	0.00363	-0.1328	0.00404	-0.11859	0.01032
0.01156	-0.02884	0.53409	0.10629	0.0216	0.084487	0.06813	-0.03117	0.50166
0.74514	0.182853	7.05E-05	0.127673	0.00573	0.088645	0.05559	0.319085	1.64E-12
0.90441	-0.12745	0.00581	0.012883	0.78126	-0.04049	0.3826	0.030191	0.51516
4.35E-06	0.16943	0.00023	-0.0214	0.64465	0.086865	0.0607	0.356172	2.05E-15
8.90E-39	0.494357	3.76E-30	0.407205	4.44E-20	0.564929	9.98E-41	0.370756	1.15E-16
0.00925	-0.11869	0.01025	-0.01714	0.71181	-0.12403	0.00728	-0.30326	2.17E-11
0.30723	-0.08061	0.08182	-0.05221	0.26017	-0.10769	0.01992	-0.20237	1.05E-05
0.32389	-0.06181	0.18241	-0.04908	0.28989	-0.04323	0.3513	-0.06818	0.14123
0.00858	0.252394	3.21E-08	-0.01307	0.77814	0.11874	0.01022	0.002544	0.95627
0.79003	-0.20559	7.50E-06	-0.09796	0.03432	-0.10987	0.01754	-0.01949	0.6745
0.00011	0.005389	0.90754	-0.1985	1.55E-05	-0.17544	0.00014	-0.14783	0.00136
1.94E-06	0.12514	0.00678	0.150899	0.00107	0.200412	1.28E-05	-0.05207	0.26144
0.37486	0.119641	0.00966	-0.07385	0.11097	-0.00242	0.95835	0.07841	0.09055
3.76E-05	-0.22988	5.12E-07	-0.2717	2.40E-09	-0.31474	3.38E-12	-0.23003	5.03E-07
1.91E-11	0.504077	1.83E-31	0.223859	1.02E-06	0.336525	7.90E-14	0.144549	0.00174
0.91999	-0.23594	2.49E-07	-0.15393	0.00085	-0.18956	3.74E-05	-0.17855	0.0001
0.02378	-0.00405	0.93041	0.102869	0.02622	0.081365	0.079	-0.08381	0.07037
0.05246	-0.21506	2.73E-06	0.038677	0.40434	-0.01639	0.72396	0.067437	0.14565
0.93494	-0.02514	0.58787	0.027661	0.55099	0.027205	0.55758	-0.08099	0.08038
0.12173	0.091499	0.04814	0.177306	0.00012	0.126764	0.00609	0.145297	0.00164
0.88482	-0.09277	0.04509	0.012991	0.77948	0.009083	0.8448	-0.03221	0.48744
8.59E-09	-0.11014	0.01726	0.171421	0.0002	0.166922	0.00029	0.109843	0.01757
0.0094	-0.00244	0.9581	-0.04571	0.3243	-0.07549	0.10325	-0.12622	0.00631
0.0004	0.121991	0.00831	0.20979	4.82E-06	0.172498	0.00018	-0.05369	0.24687
0.28488	0.065816	0.1556	0.062943	0.17449	0.061172	0.18696	-0.00336	0.94232
4.70E-14	-0.10108	0.02896	-0.01635	0.7245	0.098688	0.03299	0.21124	4.13E-06
0.1199	-0.04441	0.33829	-0.12751	0.00579	-0.1214	0.00863	-0.08948	0.05331
0.00072	-0.19169	3.05E-05	-0.16236	0.00043	-0.19699	1.81E-05	-0.21309	3.38E-06
0.60226	-0.17107	0.0002	-0.04816	0.29903	-0.08367	0.07083	-0.06604	0.15422
1.38E-06	-0.1761	0.00013	-0.13583	0.00327	-0.20795	5.86E-06	-0.204	8.85E-06
0.03275	-0.13808	0.00279	-0.00592	0.89843	-0.12087	0.00893	-0.21226	3.70E-06
0.99069	-0.16751	0.00028	-0.06286	0.17504	-0.10741	0.02025	-0.06324	0.17248
0.31816	0.142716	0.00199	-0.00599	0.89723	0.027346	0.55554	0.338343	5.70E-14
0.13993	-0.05423	0.24217	-0.01557	0.73723	0.032766	0.47995	-0.11395	0.01374
4.07E-07	0.155027	0.00078	0.126881	0.00604	0.212927	3.44E-06	-0.18871	4.06E-05
0.02492	-0.11751	0.01104	0.049003	0.29062	0.05454	0.23946	0.078027	0.09214
0.93994	-0.13568	0.00331	-0.08323	0.07234	-0.04614	0.31981	-0.07325	0.11393
0.00012	-0.2416	1.25E-07	-0.17678	0.00012	-0.23961	1.60E-07	0.10387	0.02479

0.00014	0.026604	0.56632	0.000259	0.99554	0.04008	0.3875	0.386039	4.81E-18
0.04461	-0.10234	0.027	-0.04831	0.29755	-0.07335	0.1134	-0.26567	5.52E-09
0.0011	0.304978	1.65E-11	0.307042	1.19E-11	0.281727	5.72E-10	0.092344	0.0461
0.01221	-0.07853	0.09005	-0.06779	0.14356	-0.08443	0.06831	-0.12878	0.00532
0.0003	0.154508	0.00081	-0.13056	0.00471	0.054064	0.24359	0.042429	0.36026
0.00065	0.009685	0.83464	0.179784	9.36E-05	0.133816	0.00377	-0.09699	0.03614
0.00926	0.156566	0.00069	0.113782	0.01388	0.143611	0.00186	0.221659	1.31E-06
0.5776	-0.17702	0.00012	-0.03059	0.50957	-0.0396	0.39317	-0.01277	0.78321
0.36476	-0.0823	0.07559	-0.0283	0.54178	-0.03292	0.47794	0.022766	0.62362
0.00152	-0.11523	0.01271	-0.0082	0.85978	0.040496	0.38259	0.029972	0.51821
0.08789	0.021873	0.63731	0.017647	0.70368	0.005763	0.90115	0.065776	0.15585
0.10336	-0.06259	0.1769	-0.12434	0.00714	-0.09004	0.05184	0.317587	2.10E-12
0.27499	0.014101	0.76118	0.025098	0.58851	0.043034	0.35346	-0.02215	0.63312
0.63403	0.093252	0.04399	0.092449	0.04585	0.069063	0.13616	0.065167	0.15972
0.36663	-0.01389	0.76459	0.086171	0.06279	0.040243	0.38557	-0.00645	0.8895
0.04022	0.075433	0.10351	0.044416	0.3382	0.075858	0.10157	-0.00821	0.85947
4.25E-06	0.246077	7.18E-08	0.290462	1.57E-10	0.316928	2.35E-12	-0.05893	0.20367
0.64521	-0.02723	0.55716	0.012888	0.78118	0.005857	0.89955	-0.02274	0.62395
0.77312	0.042575	0.35862	0.025133	0.58798	0.014101	0.76119	-0.01486	0.7487
0.34906	0.05135	0.26811	-0.024	0.60492	0.023565	0.61149	0.007235	0.87609
0.00414	0.037552	0.41817	0.065505	0.15757	0.080682	0.08156	0.081667	0.07789
0.6402	0.134204	0.00367	-0.03207	0.48935	0.021926	0.63649	0.157746	0.00062
3.62E-13	0.163589	0.00039	0.196286	1.94E-05	0.230427	4.80E-07	0.167204	0.00028
0.48446	-0.07982	0.08489	-0.02391	0.60624	-0.0198	0.66949	-0.2012	1.18E-05
1.82E-06	-0.1329	0.00401	0.130324	0.00479	0.125525	0.00661	0.120607	0.00908
0.61574	-0.01537	0.74037	0.027095	0.55917	-0.00766	0.86889	0.39028	1.93E-18
7.68E-06	-0.19989	1.35E-05	0.079151	0.08753	0.101134	0.02887	0.079077	0.08783
0.10272	-0.01961	0.67247	0.060197	0.1941	0.084004	0.06973	0.056242	0.22509
0.60131	0.061767	0.1827	0.00342	0.94124	0.015125	0.74443	0.135931	0.00325
1.51E-13	0.243339	1.01E-07	0.402283	1.36E-19	0.39001	2.05E-18	0.249033	4.94E-08
0.00259	-0.1504	0.00111	0.080979	0.08044	0.041255	0.37372	0.06448	0.16418
1.04E-08	-0.20236	1.05E-05	0.1301	0.00486	0.121896	0.00836	0.064524	0.1639
0.30737	-0.11437	0.01339	-0.10766	0.01996	-0.11037	0.01704	-0.0796	0.08575
0.3582	0.151826	0.001	0.052198	0.26027	0.090963	0.04947	0.019932	0.66747
0.59117	-0.05949	0.19938	-0.00299	0.94854	-0.02391	0.60626	-0.14546	0.00162
0.00969	0.112252	0.01523	0.076992	0.09655	0.124991	0.00684	-0.04203	0.36475
0.26236	-0.04121	0.37428	-0.05085	0.27278	-0.05022	0.27882	-0.00491	0.91565
0.0033	0.121931	0.00835	-0.09318	0.04414	0.002959	0.94915	0.062205	0.17961
0.1526	-0.13053	0.00472	-0.02626	0.57129	-0.01254	0.787	-0.03027	0.51403
0.0005	0.162955	0.00041	0.08163	0.07803	0.117864	0.0108	0.342014	2.92E-14
0.89347	-0.08625	0.06255	-0.06451	0.16398	-0.04334	0.35006	-0.00402	0.931
0.01277	0.166193	0.00031	0.027435	0.55426	0.097521	0.03513	0.050917	0.27216
0.49876	-0.14671	0.00148	-0.03472	0.4541	-0.044	0.34272	0.024544	0.59676
8.29E-08	0.080308	0.08299	0.164308	0.00036	0.225389	8.61E-07	0.029925	0.51886
0.68499	-0.04423	0.3402	0.077041	0.09634	-0.00435	0.92538	0.081165	0.07974

0.76602	0.424121	8.19E-22	0.15168	0.00101	0.155897	0.00072	-0.08574	0.06413
0.84064	-0.32622	4.85E-13	0.040414	0.38356	-0.07929	0.08697	-0.06502	0.1607
0.00334	-0.11703	0.01138	-0.10961	0.01781	-0.15406	0.00084	0.052646	0.2562
0.03894	0.186627	4.95E-05	0.049734	0.28348	0.153934	0.00085	0.029224	0.5287
2.69E-07	0.017782	0.70151	-0.15683	0.00067	-0.18325	6.80E-05	-0.03695	0.42573
0.17125	-0.01351	0.77097	-0.05078	0.2735	-0.05777	0.21269	0.026176	0.57258
4.67E-08	0.021007	0.65069	0.170647	0.00021	0.187229	4.68E-05	0.057727	0.21306
0.71999	-0.13273	0.00406	-0.11038	0.01702	-0.08579	0.06397	0.06517	0.15971
0.00035	-0.06126	0.18634	-0.05794	0.21141	-0.13505	0.00346	-0.27103	2.63E-09
0.26958	0.089858	0.05231	0.079281	0.08701	0.016639	0.71987	0.201514	1.14E-05
5.54E-06	-0.19601	1.99E-05	0.024409	0.59878	0.020618	0.65675	0.174727	0.00015
2.21E-11	-0.06073	0.19015	-0.21958	1.66E-06	-0.24095	1.36E-07	0.076161	0.10021
0.08358	-0.13327	0.00391	-0.01761	0.70428	-0.07305	0.11489	0.003654	0.93723
0.00258	0.195671	2.06E-05	0.245458	7.76E-08	0.214664	2.85E-06	-0.06717	0.14724
0.43359	-0.11252	0.01499	-0.02116	0.64828	-0.03031	0.51353	0.043787	0.34509
2.99E-06	-0.02902	0.53165	-0.13581	0.00328	-0.13587	0.00326	-0.13357	0.00383
0.01522	0.079762	0.0851	0.113721	0.01394	0.094112	0.04207	0.374075	5.87E-17
0.00207	0.033149	0.47484	-0.20062	1.25E-05	-0.00309	0.94688	0.075452	0.10342
2.83E-10	-0.12486	0.0069	0.042833	0.35571	0.09703	0.03607	0.021126	0.64884
0.0011	-0.07661	0.09822	-0.08577	0.06404	-0.13073	0.00466	-0.28397	4.12E-10
0.01205	0.346339	1.32E-14	0.297293	5.52E-11	0.265968	5.29E-09	0.253733	2.70E-08
0.05907	-0.31589	2.79E-12	-0.18937	3.81E-05	-0.21991	1.60E-06	-0.12399	0.0073
0.26321	-0.11824	0.01055	-0.09916	0.03217	-0.09275	0.04515	-0.1503	0.00112
0.96601	0.137275	0.00295	0.041983	0.36534	0.060186	0.19418	0.239716	1.58E-07
9.11E-08	-0.27902	8.48E-10	-0.34351	2.22E-14	-0.30979	7.60E-12	-0.1116	0.01583
0.63264	-0.02413	0.60298	-0.07877	0.08906	-0.02123	0.64727	0.059764	0.19733
3.06E-07	0.155513	0.00075	-0.06419	0.16607	0.106165	0.02176	0.103755	0.02495
0.00118	-0.15345	0.00088	-0.23323	3.45E-07	-0.07148	0.12294	0.289238	1.89E-10
0.67499	0.009535	0.83718	0.004184	0.92816	0.017091	0.71259	-0.12079	0.00898
0.08246	-0.08843	0.05619	-0.06695	0.14857	-0.0264	0.56927	-0.00286	0.95088
0.00045	-0.13729	0.00295	-0.09162	0.04785	-0.18234	7.40E-05	0.10894	0.01853
0.27843	-0.36531	3.44E-16	-0.11401	0.01369	-0.14413	0.00179	-0.22351	1.07E-06
0.06806	-0.17102	0.0002	0.052181	0.26043	0.03904	0.39995	-0.06352	0.17054
0.00197	-0.03793	0.41347	0.112419	0.01507	0.094288	0.04168	0.05593	0.22768
0.9121	-0.33562	9.30E-14	-0.1618	0.00045	-0.16421	0.00037	-0.25826	1.49E-08
0.47189	-0.22734	6.88E-07	-0.18763	4.50E-05	-0.15835	0.00059	0.051412	0.26752
0.50306	0.089005	0.0546	0.09285	0.04491	0.063327	0.17187	-0.01597	0.73064
0.6503	-0.10307	0.02593	-0.12561	0.00657	-0.14227	0.00206	0.05347	0.24882
3.67E-07	0.267955	4.03E-09	0.374783	5.07E-17	0.294251	8.82E-11	0.232014	3.98E-07
0.00834	-0.04587	0.32263	0.094742	0.04071	0.102715	0.02645	0.041949	0.36573
1.09E-10	0.315998	2.74E-12	0.153974	0.00084	0.268173	3.91E-09	0.211771	3.90E-06
0.47002	0.01231	0.79076	0.038377	0.40801	-0.00014	0.99764	0.018563	0.68908
0.40936	0.092022	0.04687	-0.02991	0.5191	-0.0171	0.71249	0.07415	0.10953
3.97E-05	0.192406	2.84E-05	0.218527	1.87E-06	0.225952	8.07E-07	-0.01902	0.68176
1.70E-05	-0.17762	0.00011	-0.20845	5.56E-06	-0.21897	1.78E-06	-0.03029	0.51385



0.8609	-0.03626	0.43437	0.095928	0.03824	0.072692	0.1167	0.142522	0.00202
0.00257	-0.05677	0.22079	0.023053	0.61925	0.018326	0.69284	-0.03132	0.49955
7.13E-05	0.133103	0.00396	0.029257	0.52824	0.090058	0.05179	0.443385	6.54E-24
0.0309	-0.03037	0.51273	-0.02353	0.61206	0.010074	0.82811	0.002762	0.95253
2.35E-05	0.326473	4.64E-13	0.024163	0.60247	0.192709	2.76E-05	0.03569	0.44163
7.44E-07	0.290646	1.53E-10	0.27638	1.24E-09	0.318613	1.77E-12	0.15322	0.00089
0.37711	-0.14873	0.00127	-0.1295	0.00506	-0.0893	0.05379	0.168259	0.00026
8.53E-08	0.129419	0.00509	0.047081	0.30998	0.179387	9.70E-05	-0.02251	0.62754
0.78933	-0.01406	0.76186	-0.03126	0.50043	-0.00302	0.94814	-0.00215	0.96303
0.44199	0.03416	0.46146	-0.00028	0.99524	0.01095	0.81342	0.136403	0.00314
0.61385	0.100513	0.02987	0.066472	0.15151	0.062629	0.17666	0.097451	0.03527
0.00351	-0.18481	5.88E-05	-0.11334	0.01426	-0.08314	0.07266	-0.04794	0.3012
0.00276	-0.11075	0.01665	-0.11495	0.01293	-0.11807	0.01066	-0.15121	0.00105
0.00311	0.061845	0.18214	0.165321	0.00033	0.066623	0.15059	0.010284	0.82459
0.27789	0.140977	0.00226	0.218168	1.94E-06	0.080222	0.08332	0.029797	0.52066
0.02679	0.045179	0.32995	0.00904	0.84552	-0.0495	0.28572	-0.04285	0.35547
0.96351	0.25586	2.05E-08	0.050536	0.27577	0.097633	0.03492	-0.04897	0.29099
0.01076	0.034346	0.45903	-0.02154	0.64242	0.006095	0.8955	0.005151	0.9116
0.00335	0.146533	0.0015	0.027076	0.55946	0.130849	0.00462	0.115015	0.01288
0.76965	-0.10487	0.02343	-0.05645	0.22335	-0.08548	0.06495	0.032205	0.48751
5.95E-05	-0.25124	3.73E-08	-0.28747	2.46E-10	-0.27909	8.39E-10	-0.00452	0.92241
0.25018	0.15862	0.00058	-0.16399	0.00037	-0.04195	0.36568	0.163111	0.0004
0.72387	-0.11914	0.00997	-0.05929	0.20088	-0.07157	0.12248	-0.02706	0.55972
0.01574	0.065465	0.15782	-0.04194	0.36583	0.039905	0.38958	0.185403	5.56E-05
0.60571	-0.13441	0.00361	-0.05522	0.23365	-0.08355	0.07126	0.045009	0.33178
0.0002	0.24903	4.94E-08	0.180177	9.03E-05	0.231991	3.99E-07	0.381132	1.36E-17
1.75E-05	0.008458	0.85535	0.177283	0.00012	0.17838	0.00011	0.029165	0.52955
0.00035	-0.19672	1.86E-05	-0.12524	0.00673	-0.04215	0.3635	0.112549	0.01496
0.02315	-0.31284	4.62E-12	-0.22194	1.27E-06	-0.22704	7.11E-07	0.093264	0.04396
1.67E-12	-0.02882	0.53437	0.152492	0.00095	0.200956	1.21E-05	0.471169	3.50E-27
2.45E-06	-0.24444	8.82E-08	-0.15415	0.00083	-0.26148	9.72E-09	0.165678	0.00032
2.39E-06	0.013345	0.77363	0.117696	0.01091	0.133605	0.00382	0.07961	0.08571
0.00028	0.201252	1.17E-05	0.30752	1.10E-11	0.265809	5.41E-09	-0.02024	0.66263
0.00187	-0.16313	0.0004	-0.01271	0.7841	0.027126	0.55873	-0.25186	3.44E-08
3.63E-08	0.318937	1.68E-12	0.281183	6.20E-10	0.291582	1.32E-10	-0.13923	0.00257
5.81E-05	-0.0912	0.04889	-0.00292	0.94983	0.04895	0.29114	0.185866	5.32E-05
0.00035	-0.05349	0.24861	0.039744	0.39149	0.060385	0.1927	0.005455	0.90642
0.55331	0.026077	0.57404	0.042278	0.36199	0.002779	0.95223	-0.1368	0.00305
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4.32E-08	0.393472	9.63E-19	0.377303	3.02E-17	0.35483	2.66E-15	0.002447	0.95793
4.33E-05	-0.50229	3.21E-31	-0.28255	5.08E-10	-0.36798	2.02E-16	-0.26974	3.15E-09
2.48E-06	0.145494	0.00162	0.144548	0.00174	0.186306	5.10E-05	-0.00486	0.91653
0.0001	0.071141	0.12474	0.053645	0.24727	-0.03788	0.4141	-0.03155	0.49642
0.0892	0.011367	0.80647	-0.08478	0.06717	-0.07173	0.12164	-0.09798	0.03427
0.00288	0.171971	0.00019	0.125228	0.00674	0.168163	0.00026	-0.04285	0.35553

0.54263	-0.1743	0.00015	-0.02839	0.54057	-0.06717	0.14723	-0.02752	0.55305
0.09136	-0.01275	0.78341	0.061838	0.1822	0.07352	0.11259	-0.04373	0.34568
3.40E-10	-0.09347	0.04349	-0.26921	3.39E-09	-0.26265	8.30E-09	0.001285	0.97791
0.00685	-0.06658	0.15084	-0.10499	0.02327	-0.10791	0.01967	-0.21508	2.73E-06
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0.4351	-0.08739	0.05914	-0.10595	0.02202	-0.08625	0.06256	0.383832	7.68E-18
0.00015	0.026635	0.56587	0.046339	0.31768	-0.05214	0.26077	0.063373	0.17156
3.68E-11	0.09244	0.04587	0.207091	6.41E-06	0.282634	5.01E-10	0.234392	3.00E-07
0.39721	-0.15162	0.00101	0.006619	0.88656	-0.0169	0.71574	-0.13622	0.00318
0.78424	0.001149	0.98024	-0.05402	0.24401	-0.06407	0.16691	0.096241	0.03761
0.00013	0.129839	0.00495	0.21536	2.64E-06	0.234767	2.87E-07	0.251837	3.45E-08
7.19E-16	0.089939	0.0521	0.344721	1.78E-14	0.334739	1.09E-13	0.231249	4.36E-07
1.36E-07	5.02E-05	0.99914	0.168354	0.00026	0.168717	0.00025	-0.26727	4.43E-09
0.93278	-0.10647	0.02137	-0.0216	0.64147	-0.01668	0.71913	0.135588	0.00333
0.58222	-0.03589	0.43913	-0.03666	0.42933	-0.0286	0.53752	0.032175	0.48791
0.15914	-0.03631	0.43375	-0.02473	0.59392	-0.04208	0.36419	-0.06094	0.18866
0.26261	-0.0691	0.13593	0.008834	0.84901	-0.00708	0.87864	0.038333	0.40853
0.32118	-0.01857	0.689	0.016756	0.71798	-0.03146	0.49762	0.032348	0.48558
5.10E-06	0.121778	0.00843	0.029112	0.53029	0.134335	0.00363	0.178242	0.00011
2.64E-05	0.112006	0.01545	0.091729	0.04757	0.14611	0.00155	0.024994	0.59005
0.12592	-0.18777	4.44E-05	-0.23489	2.83E-07	-0.20584	7.31E-06	-0.11392	0.01377
0.67313	0.091728	0.04758	0.089012	0.05458	0.072203	0.11919	-0.03436	0.45884
0.0739	-0.29542	7.37E-11	0.025472	0.58296	-0.10674	0.02104	-0.12679	0.00607
1.20E-17	0.406349	5.40E-20	0.140513	0.00234	0.314332	3.61E-12	0.449789	1.22E-24
0.03579	-0.0086	0.85287	0.009267	0.84168	0.043658	0.34651	0.071145	0.12471
1.03E-10	0.433602	7.90E-23	-0.05003	0.28061	0.216556	2.32E-06	0.201642	1.13E-05
0.56987	-0.07722	0.09554	0.077603	0.09393	0.022256	0.63142	0.03009	0.51657
0.48077	-0.09778	0.03465	-0.01823	0.69441	-0.0321	0.4889	-0.0377	0.41628
0.38406	-0.05775	0.2129	0.147777	0.00136	0.045435	0.32722	-0.02702	0.56022
0.68761	-0.09171	0.04762	0.013296	0.77443	0.017728	0.70238	-0.18597	5.27E-05
2.67E-05	-0.22968	5.24E-07	-0.16251	0.00042	-0.24144	1.28E-07	-0.20795	5.86E-06
1.79E-07	0.145577	0.00161	0.182172	7.51E-05	0.178444	0.00011	0.361136	7.83E-16
1.61E-06	0.012407	0.78916	0.202999	9.82E-06	0.178848	0.0001	0.431408	1.37E-22
0.22686	-0.11649	0.01176	-0.0721	0.11975	-0.11495	0.01293	0.015184	0.74346
0.075	-0.02997	0.51822	-0.04544	0.32718	-0.06013	0.19461	-0.00248	0.95744
0.07367	-0.09977	0.03111	-0.06079	0.1897	-0.08377	0.0705	-0.02207	0.63435
0.39622	0.142599	0.00201	0.119055	0.01002	0.088801	0.05515	0.071749	0.12154
0.4789	0.131545	0.00441	0.34123	3.37E-14	0.182653	7.19E-05	0.165523	0.00033
0.09339	-0.02335	0.61478	0.084258	0.06888	0.049338	0.28733	-0.03913	0.39891
4.12E-11	0.180432	8.82E-05	0.276036	1.30E-09	0.302483	2.45E-11	0.38083	1.45E-17
0.01905	-0.14678	0.00147	-0.11302	0.01454	-0.14061	0.00232	0.055346	0.23258
0.59504	-0.04109	0.3757	-0.01355	0.7702	-0.05521	0.23371	-0.00577	0.90109
0.45276	0.263807	7.10E-09	0.049537	0.28539	0.088611	0.05568	0.242053	1.19E-07
0.32766	0.001394	0.97604	-0.01711	0.71236	-0.04343	0.349	-0.01009	0.82792
0.56309	0.021384	0.64485	0.090267	0.05124	0.076808	0.09735	-0.11568	0.01237

0.00038	-0.07883	0.08883	0.079836	0.08482	0.080059	0.08395	0.039549	0.39383
0.02522	0.191097	3.23E-05	-0.12477	0.00694	0.076758	0.09757	0.212125	3.76E-06
9.60E-15	0.024758	0.59357	0.010949	0.81345	0.192797	2.73E-05	0.414263	8.62E-21
0.61383	-0.15926	0.00055	-0.06304	0.17384	-0.09949	0.03159	0.485712	5.12E-29
0.89292	0.055249	0.2334	-0.06924	0.13513	-0.03514	0.44872	-0.21331	3.30E-06
0.50741	-0.1514	0.00103	-0.02358	0.61131	-0.02684	0.56286	-0.0945	0.04123
0.00019	-0.18429	6.17E-05	0.00972	0.83407	0.014095	0.76128	0.128197	0.00553
0.07557	-0.12475	0.00695	-0.03185	0.4923	0.013594	0.76952	-0.00139	0.97603
1.25E-14	0.337589	6.53E-14	0.333803	1.28E-13	0.407185	4.46E-20	0.320214	1.35E-12
4.86E-07	0.039426	0.3953	0.01731	0.70908	0.125007	0.00683	0.1528	0.00092
0.32493	-0.13197	0.00428	0.012021	0.79556	-0.00115	0.98025	6.20E-05	0.99893
0.02215	-0.04466	0.33556	0.039244	0.39749	0.030663	0.5086	0.021445	0.64391
0.02939	-0.03357	0.46929	-0.01338	0.77309	0.01227	0.79142	0.010361	0.82329
1.62E-08	0.292664	1.12E-10	0.036862	0.42677	0.20286	9.96E-06	0.083527	0.07134
0.00019	0.02223	0.63183	-0.15868	0.00058	-0.14505	0.00167	0.058377	0.20795
0.83209	0.014437	0.75568	-0.12521	0.00674	-0.04166	0.369	-0.09691	0.0363
0.00793	-0.04674	0.31351	-0.0872	0.05972	-0.10586	0.02214	-0.18385	6.43E-05
0.97614	0.137053	0.003	0.140246	0.00238	0.094889	0.04039	-0.06277	0.17571
0.03042	0.17233	0.00018	0.125831	0.00647	0.136823	0.00305	0.152088	0.00098
0.00393	-0.20119	1.18E-05	-0.15302	0.00091	-0.16081	0.00049	-0.19536	2.12E-05
0.24344	-0.00685	0.88255	-0.07888	0.08864	-0.10312	0.02586	-0.0041	0.92956
0.13195	-0.17545	0.00014	-0.11523	0.01271	-0.06704	0.14806	-0.00378	0.93514
0.00415	-0.0789	0.08853	0.191378	3.14E-05	0.121397	0.00864	0.141859	0.00212
0.65899	0.002	0.96562	0.014868	0.74863	0.004971	0.91468	0.245421	7.80E-08
0.04194	0.030848	0.50605	0.108023	0.01954	0.108656	0.01884	0.324928	6.06E-13
0.79439	-0.00924	0.8421	0.043221	0.35136	0.037539	0.41832	-0.04673	0.3136
0.45679	-0.01412	0.76089	0.035331	0.44624	-0.02174	0.63938	-0.42769	3.42E-22
0.0012	0.205251	7.77E-06	0.300192	3.52E-11	0.264513	6.45E-09	0.088051	0.05725
0.64793	-0.03725	0.42192	-0.00194	0.96667	-0.00634	0.89126	0.049117	0.2895
0.75846	-0.13519	0.00342	0.05106	0.27082	0.00028	0.99518	-0.00607	0.89586
0.83862	-0.14243	0.00203	0.033501	0.47016	-0.00227	0.96101	-0.01153	0.80371
1.60E-20	0.322103	9.82E-13	0.220932	1.43E-06	0.369229	1.57E-16	0.202228	1.06E-05
0.44825	0.023573	0.61136	0.055381	0.23228	0.022419	0.62893	-0.11745	0.01108
0.00082	0.031514	0.49691	0.11735	0.01115	0.091828	0.04733	0.063687	0.16944
0.13043	-0.20981	4.81E-06	-0.1186	0.01031	-0.11916	0.00996	-0.13154	0.00441
0.00701	0.405493	6.56E-20	0.33856	5.48E-14	0.261159	1.01E-08	0.15628	0.0007
0.16503	0.472966	2.10E-27	0.289658	1.77E-10	0.291368	1.37E-10	0.009258	0.84185
0.22404	-0.01542	0.73962	0.021215	0.64747	-0.01743	0.70719	0.144702	0.00172
0.00172	-0.04391	0.34373	0.080822	0.08103	0.087241	0.05959	-0.17696	0.00012
0.03803	0.113292	0.0143	0.126056	0.00638	0.134121	0.00369	0.240604	1.42E-07
0.17671	-0.06193	0.18158	0.070393	0.12876	-0.0183	0.69333	0.013425	0.77231
0.05319	-0.07685	0.09716	-0.04125	0.37374	-0.083	0.07313	0.018528	0.68963
0.01131	-0.04019	0.38615	-0.03885	0.40219	-0.09326	0.04398	-0.1778	0.00011
0.00711	-0.30196	2.66E-11	-0.23937	1.65E-07	-0.2501	4.31E-08	0.328714	3.14E-13
0.44434	0.004678	0.91969	0.105348	0.0228	0.092626	0.04543	-0.05634	0.22427

0.00296	-0.11994	0.00948	-0.02583	0.57769	0.003377	0.94198	-0.07503	0.10538
0.35829	-0.28675	2.73E-10	-0.16496	0.00034	-0.13476	0.00353	-0.06197	0.18128
0.05243	-0.10195	0.0276	-0.1128	0.01473	-0.13339	0.00388	-0.0293	0.52759
0.42718	0.047333	0.30739	0.140779	0.00229	0.069029	0.13635	-0.0714	0.12336
0.2653	-0.281	6.36E-10	-0.09141	0.04836	-0.09469	0.04081	-0.00284	0.95124
0.2192	0.060218	0.19394	0.03218	0.48786	0.092456	0.04583	0.184725	5.92E-05
0.1723	-0.18625	5.13E-05	-0.06541	0.15815	-0.04521	0.32963	0.19664	1.87E-05
9.13E-05	-0.23421	3.07E-07	0.035117	0.449	0.045647	0.32496	-0.02638	0.56963
1.29E-06	0.081275	0.07933	0.19459	2.29E-05	0.185445	5.54E-05	0.029589	0.52357
0.00963	0.281328	6.07E-10	0.207001	6.47E-06	0.230932	4.52E-07	0.447574	2.19E-24
2.09E-07	0.132267	0.00419	0.161555	0.00046	0.191303	3.16E-05	0.314034	3.80E-12
0.00073	-0.005	0.91422	-0.06097	0.18843	-0.00312	0.94639	0.187713	4.47E-05
0.11728	-0.16749	0.00028	-0.23592	2.50E-07	-0.18916	3.89E-05	0.089812	0.05243
0.00074	-0.03538	0.44557	-0.13479	0.00352	-0.14507	0.00167	0.290013	1.68E-10
0.0008	-0.44462	4.75E-24	-0.30484	1.69E-11	-0.32238	9.36E-13	-0.07309	0.11473
0.599	-0.17651	0.00013	-0.00764	0.86922	-0.04127	0.37359	-0.30357	2.07E-11
0.09096	0.087419	0.05907	0.208457	5.55E-06	0.11166	0.01578	-0.21526	2.67E-06
0.84971	-0.00287	0.95063	0.019955	0.6671	-0.00609	0.89556	0.080882	0.0808
6.84E-08	-0.06172	0.18301	-0.32268	8.90E-13	-0.2455	7.73E-08	-0.1346	0.00357
0.52462	-0.00313	0.9462	-0.0034	0.94157	-0.03294	0.4776	0.43494	5.64E-23
0.21592	-0.13194	0.00429	-0.09192	0.0471	-0.11481	0.01304	0.105699	0.02235
0.78884	-0.13269	0.00407	-0.02099	0.65096	-0.08032	0.08292	-0.03672	0.42856
0.54595	-0.14151	0.00217	-0.11393	0.01376	-0.108	0.01957	0.012413	0.78906
0.23389	0.012178	0.79296	0.0091	0.84451	-5.78E-05	0.99901	-0.01497	0.74701
0.21115	0.043754	0.34545	-0.09878	0.03283	-0.00155	0.97328	0.04445	0.33782
0.38614	0.018944	0.68303	-0.06151	0.1845	-0.00252	0.95663	0.033948	0.46425
0.21495	-0.01113	0.81044	-0.08294	0.07336	-0.05442	0.2405	-0.00827	0.85858
0.67422	-0.02473	0.59399	-0.03817	0.41057	-0.04106	0.376	-0.00911	0.84429
0.54511	0.067889	0.14296	-0.16422	0.00037	-0.04916	0.2891	0.044074	0.34194
9.17E-05	0.170217	0.00022	0.137848	0.00283	0.177238	0.00012	0.111427	0.016
0.86398	-0.049	0.29061	-0.05951	0.19921	-0.03569	0.44157	0.022679	0.62496
0.21749	0.024776	0.5933	0.010901	0.81425	0.049525	0.28551	0.033875	0.46522
0.54922	0.003194	0.94511	0.015583	0.73696	0.033738	0.46702	-0.12115	0.00877
0.46449	-0.10131	0.0286	-0.15074	0.00108	-0.11274	0.01479	0.104911	0.02337
0.77786	0.110419	0.01698	0.05162	0.26559	0.036594	0.43014	0.187777	4.44E-05
0.02809	-0.05613	0.22602	-0.05241	0.25833	-0.08419	0.06909	0.003675	0.93686
0.87182	0.014109	0.76106	-0.01052	0.8206	-0.0019	0.96738	0.057927	0.21148
0.33574	-0.00777	0.86696	0.018615	0.68825	0.013118	0.77737	-0.01274	0.78369
0.40773	0.044789	0.33415	-0.00352	0.93953	0.026651	0.56564	0.053467	0.24885
0.50961	-0.09483	0.04051	-0.051	0.27143	-0.04203	0.36482	0.009566	0.83666
0.25825	0.08626	0.06252	0.143276	0.00191	0.070173	0.12996	-0.06078	0.1898
0.81331	-0.0112	0.80927	-0.09831	0.03368	-0.08521	0.0658	0.054988	0.23561
0.61138	-0.00563	0.90334	0.083901	0.07007	0.030814	0.50652	0.047257	0.30817
0.42797	-0.07719	0.09568	0.033105	0.47542	-0.06361	0.16997	-0.1393	0.00255
0.95948	0.053354	0.24985	0.089184	0.05411	0.040799	0.37904	0.071189	0.12448

0.01768	0.226461	7.61E-07	0.147111	0.00143	0.130767	0.00465	0.088195	0.05684
0.00882	0.094041	0.04223	0.251995	3.38E-08	0.185716	5.40E-05	0.070109	0.13031
1.29E-05	-0.11302	0.01454	-0.16467	0.00035	-0.19567	2.06E-05	-0.24149	1.27E-07
0.00469	0.215002	2.75E-06	0.353267	3.58E-15	0.259323	1.30E-08	-0.25205	3.36E-08
0.97487	0.013788	0.76634	-0.13026	0.00481	-0.09348	0.04348	0.011562	0.80322
0.01211	-0.01731	0.709	0.084188	0.06912	0.080925	0.08064	0.124897	0.00688
0.47585	0.056694	0.22138	0.127097	0.00595	0.088023	0.05733	0.093474	0.04349
0.01486	0.055687	0.22971	0.063659	0.16963	0.0811	0.07999	0.018849	0.68454
0.22339	-0.23237	3.82E-07	-0.08378	0.07046	-0.13485	0.00351	-0.02805	0.54534
0.00541	0.083074	0.07289	0.305479	1.52E-11	0.200957	1.21E-05	-0.0173	0.70925
0.2471	-0.03885	0.40221	-0.04941	0.28659	-0.05028	0.27825	-0.03009	0.51654
0.21488	0.09624	0.03762	0.091849	0.04728	0.018289	0.69343	-0.1035	0.02531
0.95103	0.057725	0.21308	-0.00151	0.97401	0.020958	0.65145	0.047536	0.30532
0.00946	0.090637	0.05029	0.190234	3.51E-05	0.115965	0.01215	-0.01659	0.72059
0.83767	-0.04208	0.36418	-0.02951	0.52472	-0.00228	0.96087	0.005179	0.91112
0.04962	0.050597	0.27519	0.124031	0.00729	0.109046	0.01841	0.103361	0.02551
0.0195	0.045992	0.32132	0.141495	0.00218	0.120857	0.00894	0.044761	0.33445
0.16553	-0.09721	0.03572	0.009479	0.83812	-0.08977	0.05254	0.082614	0.07449
0.18945	-0.01567	0.73561	-0.01159	0.80269	-0.04279	0.3562	0.044518	0.33709
0.03814	-0.04451	0.33712	0.012583	0.78624	0.006952	0.88089	0.133203	0.00393
0.09264	-0.04189	0.36636	-0.02759	0.55199	-0.06224	0.17937	0.005753	0.90133
0.34657	-0.12798	0.00561	0.047292	0.30781	0.010816	0.81567	-0.0432	0.3516
0.59125	-0.08159	0.07816	-0.02899	0.53207	-0.05186	0.26334	0.00308	0.94707
0.0488	0.100399	0.03006	0.177846	0.00011	0.139779	0.00247	-0.13793	0.00282
0.49867	0.012271	0.79141	0.047261	0.30814	0.033067	0.47593	0.032991	0.47694
0.01392	0.208351	5.62E-06	0.362311	6.22E-16	0.239018	1.72E-07	0.011946	0.79681
0.59366	-0.15366	0.00086	-0.18462	5.98E-05	-0.13904	0.0026	0.005851	0.89964
0.30195	-0.0274	0.55476	-0.08239	0.07529	-0.07155	0.12259	-0.13972	0.00248
0.75814	0.084331	0.06864	0.00986	0.83171	0.004619	0.9207	0.06658	0.15085
0.1448	-0.03792	0.41361	-0.03835	0.40829	-0.01998	0.66677	0.06689	0.14895
0.02449	0.003377	0.94198	0.010451	0.82178	0.038056	0.41194	0.222683	1.17E-06
0.52485	0.020622	0.65668	0.022655	0.62531	6.52E-05	0.99888	0.031167	0.50165
0.02982	0.00203	0.96511	-0.0669	0.14891	-0.08461	0.06774	0.015044	0.74575
0.00611	-0.08452	0.06802	0.113217	0.01437	-0.04079	0.37913	-0.11773	0.01089
0.76828	0.163345	0.00039	0.163038	0.0004	0.11366	0.01399	-0.00506	0.91321
0.01177	-0.1487	0.00127	-0.19193	2.97E-05	-0.21272	3.52E-06	0.037847	0.41451
0.51568	-0.05486	0.23669	-0.04461	0.33609	-0.03035	0.51288	0.025647	0.58037
7.15E-06	-0.13463	0.00356	-0.19464	2.28E-05	-0.23471	2.89E-07	0.086757	0.06102
0.03408	-0.06667	0.15028	-0.01012	0.82727	-0.09965	0.03131	-0.05981	0.19695
0.48429	-0.04391	0.34368	0.053714	0.24666	0.003692	0.93659	0.111505	0.01592
0.73388	-0.00752	0.87122	0.121933	0.00834	0.036578	0.43035	0.007976	0.86352
0.6823	-0.0092	0.84289	-0.04179	0.3676	-0.02781	0.54889	0.018762	0.68591
0.27519	-0.01308	0.77809	-0.00812	0.86105	-0.03865	0.40467	-0.03542	0.44508
0.0004	-0.10475	0.02358	-0.15331	0.00089	-0.15	0.00115	-0.15261	0.00094
0.48863	-0.02838	0.54064	-0.05831	0.20848	-0.03871	0.40395	-0.02964	0.52285

0.8074	0.068715	0.13815	0.055891	0.228	0.048947	0.29117	-0.04516	0.33016
0.00355	-0.18158	7.94E-05	-0.11673	0.01159	-0.19557	2.08E-05	-0.03139	0.49855
0.44804	0.102803	0.02632	0.024378	0.59926	0.055172	0.23405	0.040973	0.37701
0.08668	0.085539	0.06475	-0.12074	0.00901	-0.00061	0.98951	0.06059	0.19119
0.25984	-0.01819	0.69507	-0.00699	0.88031	-0.03384	0.46561	-0.00277	0.95247
0.15715	-0.01852	0.68969	0.070381	0.12882	0.062507	0.1775	0.008587	0.85318
0.15383	-0.1397	0.00248	-0.12217	0.00822	-0.1443	0.00177	-0.12274	0.00792
0.00264	0.103491	0.02532	-0.05654	0.22264	0.079184	0.0874	-0.00863	0.85249
0.85666	0.01106	0.81159	-0.00426	0.9268	-0.00611	0.89522	0.029161	0.5296
0.49051	0.010482	0.82126	-0.03882	0.40259	-0.04973	0.28351	0.026662	0.56548
0.56455	0.007081	0.87871	-0.02557	0.58147	-0.03661	0.42999	0.136828	0.00305
0.06237	0.171663	0.00019	0.221399	1.35E-06	0.159603	0.00054	0.062333	0.17871
0.50349	-0.00837	0.85678	-0.00857	0.85346	-0.02228	0.631	0.022413	0.62901
0.12466	0.030316	0.51342	0.1813	8.14E-05	0.019942	0.66731	-0.01043	0.8222
0.27765	0.104965	0.0233	0.154143	0.00083	0.071537	0.12265	-0.00392	0.93272
0.92898	-0.09677	0.03657	-0.03418	0.4612	-0.09461	0.04099	0.095681	0.03875
1.33E-05	-0.2225	1.20E-06	-0.14842	0.0013	-0.2388	1.77E-07	-0.02888	0.53356
0.96788	-0.03301	0.47676	-0.0377	0.41632	-0.01584	0.73283	0.087533	0.05874
0.96658	0.062349	0.1786	0.057711	0.21319	0.01686	0.7163	0.029692	0.52213
0.71222	0.006442	0.88958	0.025658	0.58021	-0.00272	0.95318	0.050761	0.27364
0.4319	-0.16937	0.00024	-0.15772	0.00062	-0.13895	0.00262	-0.02455	0.59665
0.99867	-0.03434	0.45913	-0.0204	0.6602	-0.00718	0.87702	-0.05381	0.24581
0.01875	-0.02515	0.58769	0.090819	0.04983	0.017934	0.69909	0.000462	0.99206
0.14658	-0.01202	0.7955	0.038135	0.41096	0.005056	0.91323	-0.09497	0.04022
0.00051	0.013869	0.76499	0.155115	0.00077	0.137226	0.00296	0.149023	0.00124
0.59841	0.046865	0.3122	0.050658	0.27462	0.040748	0.37963	0.067404	0.14585
0.09977	-0.03655	0.4307	-0.0673	0.14648	-0.08058	0.08196	0.04541	0.32749
0.59408	-0.02032	0.66139	0.055312	0.23286	-0.02697	0.56096	-0.04399	0.34285
0.02698	0.060981	0.18834	0.21942	1.69E-06	0.124277	0.00717	-0.00916	0.84342
0.68864	0.084859	0.06692	0.139263	0.00256	0.099711	0.03121	0.02803	0.5457
0.03861	0.270277	2.92E-09	0.206154	7.07E-06	0.110258	0.01715	-0.09227	0.04627
0.60354	-0.08894	0.05478	-0.01741	0.70747	-0.05971	0.19775	-0.15969	0.00053
0.7625	-0.04063	0.381	0.028747	0.53546	-0.02106	0.64982	0.004582	0.92133
0.017	0.093531	0.04336	0.141472	0.00218	0.091257	0.04873	-0.0029	0.95018
0.00021	0.336317	8.20E-14	0.361685	7.03E-16	0.29168	1.30E-10	-0.04437	0.3387
0.10526	-0.25437	2.49E-08	-0.159	0.00056	-0.15326	0.00089	0.021456	0.64374
0.62458	0.055525	0.23107	0.25373	2.70E-08	0.136589	0.0031	-0.03937	0.39602
0.4257	-0.0266	0.56632	-0.01728	0.70949	-0.01597	0.73072	0.144821	0.0017
0.68619	0.000265	0.99545	0.019159	0.67964	-0.00633	0.89156	0.071497	0.12286
0.14602	-0.02288	0.62191	-0.06242	0.1781	-0.06937	0.13441	-0.08765	0.0584
0.57574	-0.00723	0.87614	-0.02891	0.53311	-0.03275	0.48022	0.042194	0.36294
0.02876	0.043446	0.34886	-0.0359	0.43892	0.015134	0.74427	0.159048	0.00056
0.98597	0.048301	0.29759	0.00098	0.98315	0.024564	0.59647	-0.07836	0.09075
2.94E-06	0.224999	9.00E-07	0.350506	6.04E-15	0.26577	5.44E-09	-0.07366	0.11192
0.00377	-0.0704	0.12873	0.028224	0.54291	-0.06927	0.13499	-0.06767	0.14427

0.45226	-0.00074	0.98734	-0.01846	0.69065	-0.01559	0.7369	-0.0085	0.85464
0.7876	-0.07113	0.12479	-0.04938	0.28695	-0.06443	0.16453	-0.06572	0.15624
0.58798	-0.07307	0.11482	-0.13819	0.00277	-0.089	0.05462	-0.02292	0.62126
0.11064	0.07751	0.09432	0.066956	0.14855	0.078966	0.08828	-0.01285	0.78178
7.39E-06	0.014349	0.75712	0.201322	1.17E-05	0.12804	0.00559	0.045789	0.32346
0.04604	-0.0645	0.16408	0.00831	0.85786	-0.06835	0.14025	0.013197	0.77608
0.06399	-0.14638	0.00151	0.053526	0.24832	-0.07306	0.11488	-0.17392	0.00016
0.27559	0.108161	0.01939	0.131203	0.00451	0.040839	0.37856	0.042263	0.36215
0.55305	-0.10444	0.024	0.053674	0.24701	-0.01567	0.7355	-0.06549	0.15767
0.06979	-0.1047	0.02365	-0.19022	3.51E-05	-0.19396	2.44E-05	-0.03553	0.44369
0.71967	-0.03832	0.40871	0.035899	0.43896	0.023592	0.61107	-0.01444	0.75565
0.06464	-0.18247	7.31E-05	-0.03854	0.40606	-0.11884	0.01016	-0.02167	0.64037
0.57682	0.21597	2.47E-06	0.038995	0.40049	0.046997	0.31084	0.190292	3.49E-05
0.92087	0.087252	0.05956	0.094303	0.04165	0.058788	0.20476	0.017627	0.704
0.11425	0.015627	0.73625	-0.01584	0.73286	-0.06534	0.15863	-0.11472	0.01311
0.00146	0.135337	0.00339	0.091258	0.04873	0.130796	0.00464	0.039129	0.39887
1.29E-07	0.132197	0.00421	0.290544	1.55E-10	0.249599	4.60E-08	-0.14531	0.00164
0.18322	0.102978	0.02606	0.100669	0.02962	0.099576	0.03144	0.018639	0.68788
0.69548	0.027654	0.5511	0.013703	0.76773	0.033288	0.47298	0.058805	0.20462
3.91E-06	0.121348	0.00866	0.232141	3.92E-07	0.251089	3.80E-08	0.002136	0.96328
0.00357	-0.13864	0.00268	-0.20763	6.06E-06	-0.17804	0.00011	-0.10597	0.022
0.3024	-0.18784	4.41E-05	-0.04947	0.28607	-0.12617	0.00633	0.096751	0.03661
0.0003	0.213565	3.21E-06	0.147347	0.00141	0.223095	1.12E-06	0.365897	3.06E-16
6.17E-07	0.292385	1.17E-10	0.299559	3.88E-11	0.256313	1.93E-08	0.237314	2.11E-07
0.05525	0.161783	0.00045	0.244661	8.57E-08	0.081899	0.07705	-0.19158	3.08E-05
0.94272	-0.00069	0.98818	0.044452	0.3378	0.005771	0.90102	0.008028	0.86264
3.47E-07	0.25986	1.21E-08	-0.08377	0.0705	0.102226	0.02718	0.129037	0.00523
0.91349	0.002469	0.95756	-0.01513	0.74439	-0.00869	0.85143	-0.0434	0.34942
9.35E-06	0.006087	0.89562	0.126589	0.00616	0.150818	0.00108	0.018984	0.68241
0.02476	-0.16813	0.00026	-0.14232	0.00205	-0.06102	0.18804	0.067922	0.14277
0.94509	-0.00333	0.94281	-0.07145	0.12308	-0.02326	0.61607	-0.1125	0.015
0.00047	0.012281	0.79124	0.09228	0.04625	0.116483	0.01177	-0.05914	0.20209
9.77E-19	0.168213	0.00026	0.043676	0.34631	0.24625	7.03E-08	0.122008	0.0083
0.17664	0.113462	0.01416	-0.01997	0.66681	0.028236	0.54275	-0.00569	0.90235
0.04432	0.084634	0.06765	0.02918	0.52933	0.088872	0.05496	0.14036	0.00236
0.65927	-0.00101	0.98268	0.007531	0.87106	-0.00853	0.85406	0.070985	0.12557
0.13862	-0.02369	0.60961	0.052845	0.2544	0.029103	0.53042	0.047504	0.30564
0.08577	-0.06746	0.1455	0.061142	0.18717	0.042988	0.35397	-0.07811	0.09178
0.14036	-0.01897	0.68256	-0.20393	8.92E-06	-0.13968	0.00248	0.315998	2.74E-12
0.0015	-0.01129	0.80767	0.035434	0.44491	0.1066	0.02122	0.192696	2.76E-05
1.05E-11	0.196138	1.97E-05	0.239269	1.67E-07	0.277832	1.01E-09	0.256239	1.95E-08
0.15658	0.005821	0.90016	0.14323	0.00192	0.022628	0.62572	0.030613	0.50929
3.10E-09	-0.21701	2.21E-06	-0.20248	1.04E-05	-0.24204	1.19E-07	0.003577	0.93855
0.86001	-0.02027	0.66225	-0.04444	0.3379	-0.00708	0.87871	0.004026	0.93086
0.00042	0.163325	0.00039	0.167297	0.00028	0.159755	0.00053	0.153422	0.00088

0.22609	0.079049	0.08794	-0.13487	0.0035	-0.03813	0.41105	-0.10591	0.02207
3.43E-10	0.045351	0.32811	0.048324	0.29736	0.098797	0.0328	-0.07334	0.11346
0.36502	-0.01066	0.81826	-0.05221	0.26016	-0.05409	0.24335	0.0262	0.57223
1.75E-08	-0.21553	2.59E-06	0.12895	0.00526	0.130951	0.00459	0.040076	0.38755
0.23922	0.10137	0.02849	0.155942	0.00072	0.057936	0.21141	0.164405	0.00036
9.11E-07	0.010982	0.8129	0.234052	3.13E-07	0.183681	6.53E-05	0.489084	1.86E-29
0.09161	0.082358	0.0754	0.124017	0.00729	0.103195	0.02574	0.327991	3.57E-13
0.06126	0.134966	0.00348	0.265731	5.47E-09	0.192246	2.88E-05	0.135035	0.00346
1.28E-07	-0.10207	0.02741	0.206772	6.63E-06	0.156034	0.00072	0.053157	0.2516
0.05266	0.182403	7.35E-05	0.278121	9.64E-10	0.204316	8.57E-06	0.255655	2.10E-08
1.16E-05	0.0869	0.06059	0.029651	0.52271	0.141557	0.00217	0.14025	0.00238
0.00471	0.043718	0.34585	0.15467	0.0008	0.163069	0.0004	-0.13971	0.00248
0.93778	0.078736	0.08921	0.142882	0.00197	0.101697	0.02798	0.386016	4.83E-18
0.08417	0.060347	0.19298	0.068292	0.1406	0.029709	0.52189	0.360671	8.58E-16
0.13647	0.058258	0.20887	0.093353	0.04376	0.039719	0.3918	0.273786	1.79E-09
0.01651	0.032112	0.48877	0.090856	0.04974	0.01121	0.80908	0.214936	2.77E-06
1.93E-10	0.423919	8.60E-22	0.376558	3.52E-17	0.353236	3.60E-15	-0.00424	0.92722
0.01942	0.391559	1.46E-18	0.287369	2.49E-10	0.251351	3.67E-08	-0.11274	0.01479
0.97737	-0.11809	0.01065	0.001461	0.97488	-0.03512	0.44897	0.039689	0.39215
0.78394	-0.0005	0.99132	-0.00261	0.95513	-0.01722	0.71046	-0.00533	0.90847
8.63E-05	-0.1675	0.00028	-0.02658	0.56664	0.045986	0.32138	0.001836	0.96844
0.40935	-0.08323	0.07236	-0.00162	0.97209	-0.00679	0.88357	0.001519	0.97389
1.11E-06	-0.13931	0.00255	-0.07896	0.0883	-0.21247	3.62E-06	-0.00248	0.95737
0.06425	0.012454	0.78837	-0.09326	0.04396	-0.07929	0.08696	-0.24676	6.59E-08
1.93E-05	-0.17948	9.62E-05	-0.19109	3.23E-05	-0.00718	0.87695	0.044052	0.34217
4.01E-05	0.397584	3.89E-19	0.291116	1.42E-10	0.295167	7.66E-11	0.271118	2.60E-09
4.09E-12	0.185978	5.26E-05	0.421556	1.52E-21	0.383897	7.58E-18	0.009039	0.84554
5.95E-07	0.179993	9.18E-05	0.352486	4.15E-15	0.294457	8.55E-11	0.05592	0.22776
0.54143	0.028102	0.54466	-0.01406	0.76181	0.014992	0.7466	-0.19111	3.22E-05
0.14124	0.001556	0.97325	-0.05812	0.20996	-0.08922	0.054	-0.05911	0.20231
0.00344	-0.04123	0.37404	0.248102	5.56E-08	0.122204	0.0082	0.207944	5.86E-06
0.51294	-0.04119	0.37448	-0.01055	0.8202	0.010993	0.8127	-0.11797	0.01073
1.19E-05	0.264608	6.37E-09	-0.09785	0.03452	0.083438	0.07164	0.469745	5.24E-27
0.19185	-0.11487	0.013	-0.14709	0.00144	-0.15543	0.00075	0.125105	0.00679
9.34E-09	0.396719	4.71E-19	0.152206	0.00097	0.278955	8.55E-10	0.502478	3.03E-31
1.02E-06	-0.04011	0.3871	0.123739	0.00743	0.140394	0.00236	-0.02374	0.60881
3.88E-08	0.229196	5.54E-07	0.113719	0.01394	0.24314	1.04E-07	-0.02089	0.65249
0.00065	0.036647	0.42947	-0.15284	0.00092	-0.14056	0.00233	0.009122	0.84414
0.48992	-0.22556	8.44E-07	-0.12357	0.00751	-0.13695	0.00302	0.276987	1.13E-09
0.02282	-0.03573	0.44105	-0.03969	0.39209	-0.05982	0.19694	-0.29234	1.18E-10
0.7886	-0.02839	0.54056	0.008979	0.84655	-0.01979	0.6697	-0.09525	0.03964
0.25245	-0.21798	1.98E-06	-0.03249	0.48365	-0.08947	0.05334	-0.10942	0.01801
0.01762	0.015879	0.73216	0.112407	0.01508	0.090674	0.0502	0.062903	0.17477
0.01614	0.015907	0.73171	0.130893	0.00461	0.103742	0.02497	0.050596	0.2752
0.63747	0.080642	0.08171	0.133865	0.00375	0.090006	0.05192	0.107987	0.01959



0.88541	-0.05935	0.20046	0.004217	0.92758	4.73E-05	0.99919	0.026512	0.56766
0.33671	0.018493	0.69018	0.032361	0.48541	-0.01616	0.72763	-0.02906	0.53097
0.00029	-0.21881	1.81E-06	-0.15309	0.0009	-0.188	4.35E-05	0.093483	0.04347
0.03163	0.020216	0.66302	-0.1846	5.99E-05	-0.16017	0.00051	-0.05176	0.26428
0.16211	-0.20833	5.63E-06	-0.02058	0.65733	-0.0159	0.73175	-0.08302	0.07308
0.50119	-0.15187	0.00099	-0.10018	0.03042	-0.04245	0.36004	-0.21549	2.61E-06
0.02694	-0.33938	4.72E-14	-0.09107	0.04919	-0.08521	0.06579	-0.09803	0.03419
0.05461	-0.23603	2.47E-07	-0.16028	0.00051	-0.20508	7.91E-06	-0.03984	0.39031
1.83E-11	0.018703	0.68686	0.193374	2.58E-05	0.199138	1.46E-05	0.015802	0.73341
0.00068	-0.22899	5.68E-07	-0.16703	0.00029	-0.20749	6.15E-06	0.050444	0.27665
0.00101	-0.02417	0.60235	0.080178	0.08349	0.073566	0.11236	-0.09392	0.0425
0.27357	-0.04508	0.33101	-0.04636	0.31746	-0.06034	0.19306	-0.04071	0.38008
0.80867	-0.08366	0.07087	-0.04274	0.35681	-0.03041	0.51207	0.08498	0.06653
0.1005	0.032621	0.4819	-0.14851	0.00129	-0.10863	0.01886	-0.04129	0.37334
0.35079	-0.22968	5.24E-07	-0.17336	0.00017	-0.11423	0.01351	0.045592	0.32555
6.39E-23	0.038149	0.41079	0.292436	1.16E-10	0.30387	1.97E-11	0.208524	5.51E-06
0.00017	-0.04352	0.34805	0.131521	0.00441	0.106693	0.02111	0.456808	1.87E-25
0.47488	0.209755	4.84E-06	0.064421	0.16457	0.081553	0.07831	0.394839	7.14E-19
1.28E-07	0.175449	0.00014	0.182506	7.28E-05	0.244014	9.30E-08	0.212018	3.80E-06
0.4433	-0.09854	0.03326	-0.19876	1.51E-05	-0.10596	0.02201	0.022415	0.62898
0.54358	-0.13903	0.0026	-0.12364	0.00747	-0.04385	0.34442	-0.08066	0.08162
0.02921	-0.09971	0.03122	0.022667	0.62513	0.008751	0.8504	0.025091	0.58862
0.12926	-0.25541	2.17E-08	-0.20366	9.17E-06	-0.20083	1.23E-05	0.057937	0.2114
0.06002	0.201609	1.13E-05	0.27352	1.86E-09	0.099837	0.031	0.116285	0.01191
0.32162	0.0679	0.1429	0.076053	0.10069	0.064502	0.16404	0.342657	2.60E-14
0.00205	-0.17924	9.84E-05	-0.04628	0.31832	-0.0194	0.67585	0.172019	0.00019
0.02659	-0.22352	1.06E-06	-0.22991	5.10E-07	-0.22073	1.46E-06	-0.08998	0.05198
0.0024	0.091079	0.04918	-0.01648	0.7225	-0.03577	0.44066	-0.14358	0.00187
0.0733	-0.15565	0.00074	0.090338	0.05106	0.057355	0.21604	-0.03365	0.46823
0.01027	-0.02257	0.62664	-0.07713	0.09596	-0.08528	0.06556	-0.01839	0.6919
0.09499	0.03947	0.39477	-0.04432	0.33926	0.044263	0.33986	0.083007	0.07312
3.74E-10	0.099678	0.03127	0.023974	0.60532	0.16984	0.00023	0.362635	5.84E-16
6.11E-07	-0.03776	0.41561	0.030648	0.50882	0.077535	0.09422	0.039265	0.39723
0.00023	-0.01131	0.80749	-0.05641	0.22373	0.058166	0.2096	0.137895	0.00282
0.02529	-0.04814	0.29924	-0.06423	0.16582	0.00064	0.98899	0.004708	0.91917
0.00013	-0.2288	5.81E-07	-0.2782	9.53E-10	-0.23907	1.71E-07	-0.16422	0.00037
0.01258	-0.14785	0.00135	-0.06112	0.1873	-0.03874	0.40355	-0.26198	9.09E-09
0.02019	-0.35763	1.55E-15	-0.25826	1.49E-08	-0.25931	1.30E-08	-0.2251	8.89E-07
0.48788	-0.02421	0.60183	-0.11584	0.01224	-0.02344	0.61341	0.075133	0.10489
0.44263	-0.01953	0.67373	-0.0243	0.60048	-0.03503	0.45014	0.040657	0.38069
0.84035	0.001816	0.96878	0.00416	0.92856	0.019424	0.67545	0.123191	0.00769
0.83235	0.020494	0.65868	0.010871	0.81474	-0.02975	0.52129	0.026492	0.56795
0.10415	0.285622	3.23E-10	-0.0876	0.05855	0.076792	0.09742	0.044671	0.33542
0.99494	-0.11167	0.01576	-0.03355	0.46956	-0.06583	0.15554	-0.01448	0.755
0.12309	0.040121	0.38701	-0.14741	0.0014	-0.03652	0.43113	-0.22811	6.29E-07

0.12315	-0.08313	0.0727	-0.04819	0.29868	-0.0221	0.63387	-0.05488	0.23654
0.5637	-0.01286	0.78171	0.045006	0.33181	0.00153	0.97369	-0.02781	0.54881
0.0339	-0.0018	0.96909	0.064768	0.16231	0.003204	0.94494	-0.02615	0.57292
0.17874	-0.00022	0.99619	0.044479	0.33751	-0.00959	0.83633	0.003981	0.93163
0.0553	0.181084	8.31E-05	-0.00114	0.98037	0.010175	0.82642	0.323559	7.66E-13
0.01809	-0.01581	0.73326	-0.0897	0.05272	-0.09406	0.04217	0.012558	0.78666
6.51E-07	0.016893	0.71577	-0.08843	0.05619	-0.13063	0.00469	0.138958	0.00262
9.91E-06	0.044262	0.33988	-0.14566	0.0016	-0.13471	0.00354	0.1829	7.02E-05
0.13911	0.029875	0.51957	-0.09637	0.03736	-0.04222	0.36268	0.008646	0.85217
0.00049	0.105559	0.02252	0.025233	0.5865	-0.0451	0.33081	0.424053	8.32E-22
0.00872	-0.08209	0.07635	-0.10115	0.02884	-0.12875	0.00533	0.015452	0.7391
0.34795	0.013804	0.76606	-0.0735	0.11269	-0.04543	0.32723	0.224721	9.29E-07
0.86952	-0.01744	0.70692	-0.01056	0.81998	-0.01252	0.78732	0.158427	0.00059
0.49439	-0.05368	0.24697	-0.08379	0.07044	-0.04825	0.2981	0.178353	0.00011
1.01E-07	-0.18137	8.10E-05	-0.26682	4.71E-09	-0.30007	3.58E-11	0.137775	0.00285
0.26692	0.148764	0.00126	0.086017	0.06327	0.114392	0.01338	0.04526	0.32909
4.30E-09	-0.3063	1.34E-11	-0.17733	0.00012	-0.26566	5.52E-09	-0.30389	1.96E-11
0.90768	0.003432	0.94104	0.246215	7.06E-08	0.145683	0.0016	0.019945	0.66726
0.00426	0.264304	6.64E-09	0.143042	0.00194	0.152722	0.00093	0.179339	9.75E-05
0.00284	0.042582	0.35854	0.100727	0.02952	0.070691	0.12715	0.180412	8.84E-05
0.91577	-0.02132	0.6458	-0.0223	0.63071	-0.00963	0.83563	-0.11848	0.01039
0.00083	0.05865	0.20582	0.062146	0.18003	0.130439	0.00475	0.227109	7.06E-07
8.05E-12	0.089703	0.05272	0.182018	7.62E-05	0.266657	4.82E-09	0.254958	2.30E-08
0.74055	0.01242	0.78893	-0.08525	0.06567	-0.04113	0.37521	-0.05721	0.21722
0.07582	-0.0803	0.08303	-0.11708	0.01134	-0.06615	0.15348	-0.25576	2.07E-08
0.00358	0.047468	0.30601	0.141856	0.00212	0.141037	0.00225	-0.08559	0.06458
0.30197	0.177801	0.00011	0.186615	4.96E-05	0.177707	0.00011	0.347811	1.00E-14
0.96012	-0.01079	0.81613	-0.00679	0.8836	-0.03192	0.49136	0.035044	0.44994
0.09423	-0.10301	0.02601	-0.06053	0.19167	-0.08586	0.06376	0.015477	0.7387
0.11534	-0.02147	0.64345	-0.04715	0.30929	-0.06328	0.1722	0.132443	0.00414
0.72994	-0.07842	0.09049	-0.03867	0.40442	-0.03356	0.46939	0.086211	0.06267
0.70327	-0.01215	0.7934	-0.0409	0.37789	-0.02501	0.58985	-0.03255	0.48284
0.03629	-0.05021	0.27891	0.067183	0.14718	0.00106	0.98177	0.139564	0.00251
0.14226	0.043299	0.3505	-0.00476	0.91835	0.010735	0.81702	0.169126	0.00024
1.93E-10	-0.14055	0.00233	-0.28007	7.28E-10	-0.30148	2.87E-11	-0.08928	0.05386
0.28595	-0.22158	1.33E-06	-0.06134	0.18571	-0.06244	0.17798	-0.11506	0.01284
1.44E-16	-0.28964	1.77E-10	-0.38548	5.42E-18	-0.41431	8.53E-21	-0.13808	0.00279
0.02716	0.044332	0.33911	0.121628	0.00851	0.137897	0.00282	0.223357	1.08E-06
0.01941	0.174275	0.00015	-0.12494	0.00686	0.036712	0.42866	0.300901	3.15E-11
7.17E-09	0.313379	4.23E-12	0.118605	0.01031	0.275262	1.45E-09	0.223711	1.04E-06
0.02484	-0.31659	2.49E-12	-0.23812	1.92E-07	-0.25883	1.38E-08	-0.0952	0.03975
2.42E-06	0.395505	6.16E-19	0.088198	0.05684	0.22629	7.76E-07	0.085763	0.06405
0.00231	0.157375	0.00064	0.126385	0.00624	0.170123	0.00022	-0.00844	0.85566
8.85E-10	-0.01805	0.69723	0.049349	0.28723	0.136462	0.00313	0.280797	6.55E-10
3.85E-06	-0.03079	0.50681	0.128413	0.00545	0.119836	0.00954	0.100736	0.02951

0.12084	-0.03965	0.3926	-0.05118	0.26971	-0.09119	0.04891	-0.22313	1.11E-06
0.99094	-0.25	4.37E-08	-0.08535	0.06535	-0.10379	0.0249	-0.03964	0.39279
7.21E-05	0.158663	0.00058	0.064063	0.16693	0.160118	0.00051	0.314361	3.60E-12
0.00018	-0.17355	0.00016	-0.25598	2.01E-08	-0.22938	5.42E-07	0.050668	0.27452
0.67198	-0.04668	0.31408	-0.14027	0.00238	-0.06094	0.18862	-0.0079	0.86485
0.59973	0.102477	0.0268	0.122498	0.00805	0.097636	0.03492	-0.16176	0.00045
0.0002	-0.06729	0.14651	-0.15983	0.00053	-0.17887	0.0001	-0.21604	2.45E-06
0.00363	-0.16531	0.00033	-0.18098	8.39E-05	-0.20016	1.31E-05	-0.06358	0.17016
0.02061	0.084794	0.06713	0.183203	6.83E-05	0.145852	0.00158	-0.2035	9.32E-06
0.11584	0.194108	2.40E-05	0.05164	0.26541	0.042253	0.36227	0.182857	7.05E-05
0.0284	-0.0463	0.31809	-0.1026	0.02662	-0.09773	0.03473	-0.05305	0.25252
0.6376	-0.05181	0.2638	-0.08753	0.05873	-0.08526	0.06564	-0.18346	6.67E-05
7.45E-05	-0.02655	0.56717	0.00224	0.9615	0.054405	0.24062	-0.07738	0.09487
0.07702	-0.13931	0.00255	-0.03077	0.50714	-0.00572	0.90186	0.024905	0.59137
0.5931	-0.13259	0.0041	-0.05244	0.25811	-0.09486	0.04045	-0.12628	0.00628
0.01526	0.390319	1.91E-18	0.409389	2.68E-20	0.321435	1.10E-12	-0.03028	0.51396
0.29874	0.09057	0.05046	0.047437	0.30633	0.072345	0.11847	-0.02025	0.66255
0.96368	-0.11765	0.01095	-0.29046	1.57E-10	-0.15266	0.00093	0.155496	0.00075
0.37646	-0.00974	0.83375	-0.07791	0.09263	-0.02015	0.6641	0.006907	0.88167
0.55998	0.075748	0.10207	-0.04287	0.3553	0.002382	0.95906	0.227251	6.95E-07
0.00082	-0.16915	0.00024	-0.18443	6.09E-05	-0.21004	4.69E-06	-0.17695	0.00012
0.67866	0.000375	0.99355	-0.01301	0.7791	0.022289	0.63092	0.032255	0.48683
4.34E-06	-0.00727	0.87547	0.052732	0.25542	0.100532	0.02984	0.05758	0.21423
0.65387	0.097623	0.03494	0.129776	0.00497	0.108391	0.01913	-0.1532	0.0009
0.03667	0.333252	1.42E-13	0.175359	0.00014	0.1814	8.07E-05	0.043394	0.34944
0.92211	-0.03146	0.49759	0.164093	0.00037	0.041909	0.36619	-0.12452	0.00706
0.00154	-0.05726	0.21676	0.058059	0.21044	0.08145	0.07869	0.234373	3.01E-07
6.56E-05	0.066083	0.15393	0.109891	0.01752	0.163274	0.0004	0.01234	0.79027
0.0001	-0.05703	0.21868	0.062697	0.17618	0.097712	0.03477	0.076938	0.09678
0.27084	0.022595	0.62624	0.090566	0.05048	0.017077	0.71282	0.122377	0.00811
0.21811	-0.15537	0.00075	-0.1216	0.00852	-0.1186	0.01032	-0.33602	8.66E-14
0.98686	0.099813	0.03104	-0.06705	0.14799	-0.02305	0.61932	-0.12502	0.00683
0.01787	0.073409	0.11313	0.17778	0.00011	0.14364	0.00186	0.096988	0.03615
0.96412	-0.07923	0.0872	-0.02574	0.57894	-0.01612	0.7283	0.018167	0.69538
0.00042	0.034276	0.45994	0.089485	0.0533	0.13311	0.00396	0.085421	0.06513
0.67733	-0.06216	0.17992	-0.03415	0.46166	-0.06061	0.19104	0.046624	0.3147
0.34827	-0.08153	0.07838	0.007738	0.86754	0.009984	0.82963	0.064391	0.16477
9.99E-11	-0.04008	0.38753	0.279194	8.26E-10	0.291434	1.35E-10	-0.05383	0.24567
4.75E-26	0.368169	1.94E-16	0.325284	5.70E-13	0.410984	1.85E-20	0.219655	1.65E-06
0.01924	0.037099	0.4238	0.010136	0.82708	0.073876	0.11085	0.151926	0.00099
0.12285	-0.1405	0.00234	-0.13849	0.00271	-0.12032	0.00925	-0.04172	0.3684
0.83191	-0.11756	0.01101	-0.11634	0.01187	-0.08314	0.07266	-0.01558	0.73709
0.85812	-0.04386	0.34431	-0.08153	0.0784	-0.06955	0.13342	0.023375	0.61437
0.66102	-0.18252	7.28E-05	-0.1118	0.01565	-0.08783	0.05788	0.028184	0.54349
0.23652	-0.06256	0.1771	0.028473	0.53936	0.023356	0.61465	0.209511	4.97E-06

0.0001	8.40E-05	0.99856	-0.1897	3.69E-05	-0.17948	9.62E-05	0.098165	0.03394
0.00126	0.076154	0.10024	-0.05062	0.27496	0.050525	0.27588	0.221542	1.33E-06
0.00104	-0.09133	0.04855	-0.08217	0.07607	0.015329	0.7411	0.236409	2.36E-07
2.84E-07	-0.32314	8.22E-13	-0.20461	8.31E-06	-0.24299	1.06E-07	0.032296	0.48628
0.10595	0.02234	0.63013	0.004152	0.9287	0.019107	0.68046	0.222182	1.24E-06
1.02E-06	-0.22389	1.02E-06	-0.23118	4.39E-07	-0.24041	1.45E-07	-0.14135	0.0022
0.37681	-0.14886	0.00125	-0.03649	0.4314	-0.10087	0.02929	-0.10713	0.02058
0.19941	-0.12365	0.00747	-0.06688	0.14902	-0.09765	0.03489	0.026525	0.56748
0.05841	-0.02376	0.60853	0.082822	0.07376	0.061806	0.18242	-0.08112	0.07991
0.00097	-0.08849	0.05601	0.122044	0.00829	0.142304	0.00205	-0.00133	0.97715
0.45326	0.044649	0.33567	0.034466	0.45745	0.051379	0.26783	0.017554	0.70517
0.10282	-0.06522	0.15939	-0.19867	1.52E-05	-0.13811	0.00278	-0.0943	0.04166
0.14034	-0.04001	0.38833	-0.03298	0.47715	-0.01282	0.78233	0.053687	0.2469
0.89731	-0.18603	5.24E-05	-0.0585	0.20696	-0.07238	0.11828	-0.07289	0.11571
3.36E-11	-0.05629	0.22466	-0.26567	5.51E-09	-0.27501	1.50E-09	0.073359	0.11338
0.20334	-0.19212	2.92E-05	-0.14782	0.00136	-0.1693	0.00024	0.037169	0.42293
0.03877	0.146808	0.00147	-0.06575	0.15602	-0.02648	0.56813	-0.13645	0.00313
6.15E-06	0.182913	7.01E-05	0.184272	6.18E-05	0.265009	6.03E-09	0.073213	0.1141
0.04166	-0.08307	0.07289	-0.01784	0.70055	0.008167	0.86027	0.035265	0.44708
0.00432	-0.13267	0.00408	-0.28022	7.12E-10	-0.10781	0.01979	0.15371	0.00086
0.74418	0.021798	0.63845	0.10255	0.02669	0.049444	0.28629	-0.00457	0.92158
0.07549	0.056147	0.22588	0.115168	0.01276	0.116111	0.01204	0.055614	0.23032
0.00262	-0.14612	0.00154	0.06288	0.17493	0.06207	0.18056	-0.0104	0.82271
7.00E-05	0.332071	1.75E-13	0.204228	8.65E-06	0.251216	3.74E-08	0.482529	1.31E-28
6.35E-07	0.049583	0.28494	0.183643	6.55E-05	0.181479	8.01E-05	0.051343	0.26817
0.11104	-0.10322	0.02571	-0.04905	0.29018	-0.05152	0.26652	-0.01155	0.80349
0.54424	-0.04248	0.35964	0.081827	0.07731	-0.00672	0.88492	-0.00742	0.87289
0.06199	-0.14175	0.00214	-0.14019	0.00239	-0.1246	0.00702	-0.23596	2.49E-07
0.84588	-0.00124	0.97872	0.088403	0.05626	0.021626	0.64112	-0.18857	4.12E-05
0.25833	0.151116	0.00105	0.012414	0.78903	-0.01134	0.80695	0.046917	0.31167
0.00253	-0.10694	0.02081	-0.09778	0.03465	-0.16203	0.00044	-0.33444	1.15E-13
0.07861	-0.02957	0.52381	-0.14012	0.00241	-0.0583	0.20857	-0.02931	0.52747
0.2605	0.088116	0.05707	0.1529	0.00092	0.034196	0.46099	-0.10047	0.02994
6.37E-05	0.059787	0.19716	0.133424	0.00387	0.180153	9.05E-05	0.276904	1.15E-09
0.20001	-0.01848	0.69037	0.044818	0.33384	-0.0103	0.82428	-0.10241	0.0269
0.00273	-0.04717	0.30908	-0.12982	0.00496	-0.15055	0.0011	0.049629	0.28449
0.00032	0.154031	0.00084	0.309108	8.49E-12	0.201137	1.19E-05	0.128539	0.0054
2.36E-05	0.055788	0.22886	0.201438	1.15E-05	0.186401	5.06E-05	-0.06203	0.18082
0.007	0.314055	3.78E-12	0.244965	8.26E-08	0.275884	1.33E-09	0.213029	3.41E-06
0.00066	0.134229	0.00366	0.211748	3.91E-06	0.219293	1.71E-06	0.044258	0.33992
0.02481	0.204431	8.47E-06	0.104864	0.02343	0.119305	0.00987	0.060383	0.19272
2.43E-07	0.090495	0.05066	-0.07794	0.09248	0.074847	0.10622	0.211798	3.89E-06
1.13E-06	-0.06744	0.14561	-0.03296	0.47735	0.040171	0.38642	0.090662	0.05023
0.99981	-0.01622	0.72665	-0.02764	0.55133	-0.0312	0.50124	-0.00776	0.86714
3.52E-10	-0.10887	0.0186	-0.22868	5.88E-07	-0.25203	3.37E-08	-0.04762	0.30447

0.07827	-0.19904	1.47E-05	-0.10879	0.01869	-0.13753	0.0029	0.049937	0.28151
0.70534	0.003423	0.94118	-0.06117	0.18698	-0.03673	0.42846	0.288782	2.02E-10
1.22E-15	0.165311	0.00033	0.319179	1.61E-12	0.325896	5.13E-13	-0.02346	0.61302
0.08609	-0.09447	0.04129	-0.0591	0.20233	-0.07499	0.10557	0.115684	0.01236
1.11E-05	-0.03093	0.50493	-0.03463	0.45526	0.046857	0.31229	-0.1097	0.01772
1.46E-13	0.259189	1.32E-08	0.19994	1.34E-05	0.321584	1.07E-12	0.094071	0.04216
0.00101	-0.32271	8.85E-13	-0.40355	1.02E-19	-0.31295	4.54E-12	-0.00183	0.96849
0.20533	-0.01551	0.73816	0.040918	0.37765	0.010183	0.82627	-0.05297	0.25326
0.86131	-0.07628	0.09966	-0.06276	0.17577	-0.06455	0.16369	-0.02139	0.64483
0.17038	-0.11577	0.01229	-0.18802	4.34E-05	-0.15562	0.00074	0.146805	0.00147
3.09E-08	0.015287	0.74178	0.160642	0.00049	0.183756	6.49E-05	0.221463	1.34E-06
0.0409	-0.02913	0.5301	-0.00184	0.96834	0.036615	0.42987	-0.12354	0.00752
0.00511	-0.16837	0.00026	-0.17043	0.00022	-0.205	7.98E-06	-0.1976	1.70E-05
1.43E-05	0.030296	0.51369	0.090894	0.04964	0.100773	0.02945	0.166385	0.0003
1.67E-08	0.322936	8.52E-13	0.047836	0.30228	0.225459	8.54E-07	0.474704	1.28E-27
0.00051	0.115436	0.01255	0.048638	0.29423	-0.06392	0.16792	0.04973	0.28352
0.2474	0.111915	0.01554	0.072642	0.11696	0.06242	0.17811	0.062468	0.17777
7.75E-11	0.012092	0.79439	0.029187	0.52923	0.159255	0.00055	0.070445	0.12848
0.19886	-0.13679	0.00306	-0.12012	0.00937	-0.11068	0.01672	0.296934	5.84E-11
1.23E-07	0.227843	6.49E-07	0.019646	0.67197	0.204289	8.59E-06	0.308961	8.70E-12
0.21663	0.010075	0.8281	0.094978	0.04021	0.066677	0.15025	-0.0427	0.35716
0.17462	-0.17299	0.00017	-0.06416	0.16628	-0.03912	0.39901	-0.0307	0.50816
7.08E-08	0.481581	1.73E-28	0.260585	1.10E-08	0.357756	1.51E-15	0.324947	6.04E-13
0.00011	-0.1021	0.02737	-0.15438	0.00082	-0.14514	0.00166	-0.1202	0.00932
0.97686	0.067319	0.14636	-0.00113	0.98064	0.024616	0.59569	-0.12006	0.0094
2.04E-05	0.082927	0.0734	0.119935	0.00948	0.156	0.00072	0.140517	0.00234
2.24E-07	0.165315	0.00033	0.081314	0.07919	0.200634	1.25E-05	-0.12378	0.0074
0.07735	-0.04	0.38843	-0.01596	0.73092	0.058686	0.20554	0.251874	3.44E-08
0.00142	-0.09415	0.04198	0.083208	0.07242	0.085715	0.0642	0.057174	0.21749
0.0005	-0.11558	0.01244	-0.12604	0.00638	-0.16279	0.00041	0.026609	0.56625
0.39447	-0.0673	0.14647	-0.00389	0.93323	0.016279	0.72569	0.206144	7.08E-06
0.14897	0.037661	0.41681	-0.19416	2.39E-05	-0.08045	0.08244	0.021064	0.6498
1.47E-10	0.412513	1.30E-20	0.15894	0.00057	0.324816	6.17E-13	0.398691	3.04E-19
0.12819	-0.26081	1.06E-08	0.01703	0.71357	0.000716	0.98769	-0.10824	0.0193
0.97827	-0.2283	6.16E-07	-0.06605	0.15412	-0.11928	0.00988	0.065984	0.15454
0.05314	-0.03508	0.44942	-0.02501	0.58983	-0.0398	0.39079	-0.03687	0.42672
0.64825	-0.05557	0.23069	-0.10898	0.01848	-0.05753	0.2146	0.171859	0.00019
6.74E-13	0.118695	0.01025	0.152538	0.00094	0.247161	6.27E-08	0.476049	8.67E-28
0.0059	-0.13343	0.00387	-0.09031	0.05114	-0.05706	0.21837	-0.21554	2.59E-06
8.20E-10	0.064387	0.16479	0.138873	0.00263	0.211674	3.94E-06	0.148517	0.00129
0.53191	-0.01045	0.82179	-0.00051	0.99129	0.017322	0.70888	0.160325	0.00051
0.06082	-0.07673	0.09769	-0.09258	0.04553	-0.11281	0.01472	-0.10556	0.02252
0.32333	0.049152	0.28915	0.094602	0.04101	0.065368	0.15844	-0.00859	0.85308
0.00069	-0.29205	1.23E-10	0.014974	0.74689	0.028399	0.54042	-0.02377	0.60841
0.00049	-0.15159	0.00102	0.019581	0.67299	0.017589	0.70461	0.062387	0.17834

0.77957	-0.35299	3.77E-15	-0.10078	0.02944	-0.12252	0.00803	-0.08299	0.07319
0.2201	-0.04953	0.28546	-0.04492	0.33271	-0.0641	0.1667	0.015335	0.741
0.26217	0.039428	0.39528	-0.09496	0.04024	-0.03011	0.51628	0.357684	1.53E-15
0.77946	-0.08458	0.06784	-0.00975	0.83363	-0.02636	0.56994	-0.08914	0.05422
0.22751	-0.09382	0.04271	-0.15125	0.00104	-0.14374	0.00185	0.036673	0.42915
3.02E-21	0.17362	0.00016	0.188693	4.07E-05	0.325362	5.62E-13	0.120387	0.00921
2.28E-10	-0.02953	0.52438	-0.0267	0.56487	0.103535	0.02526	0.192926	2.70E-05
0.02139	-0.27117	2.58E-09	-0.01308	0.77808	-0.02814	0.54412	-0.04219	0.36293
0.03674	-0.00183	0.96846	-0.10081	0.02938	-0.11975	0.00959	0.144661	0.00172
0.98852	-0.08692	0.06055	-0.03354	0.46963	-0.02135	0.64544	-0.0042	0.92781
3.76E-09	-0.29923	4.08E-11	-0.29649	6.25E-11	-0.32065	1.26E-12	-0.10661	0.02121
0.00448	-0.0982	0.03387	-0.0536	0.2477	-0.01408	0.76161	0.180012	9.17E-05
0.01393	-0.21665	2.29E-06	-0.21877	1.81E-06	-0.22109	1.40E-06	-0.07419	0.10934
0.00724	-0.24162	1.25E-07	-0.26257	8.40E-09	-0.21065	4.40E-06	-0.16852	0.00025
0.30868	-0.25346	2.80E-08	-0.06811	0.14164	-0.09063	0.0503	0.00125	0.97851
4.13E-06	0.104831	0.02348	0.098767	0.03285	0.142671	0.002	0.210978	4.25E-06
0.54698	-0.10633	0.02156	-0.0319	0.49168	-0.03276	0.48001	0.211483	4.02E-06
0.90608	-0.13075	0.00465	-0.10594	0.02203	-0.08909	0.05437	-0.00329	0.94348
0.66519	-0.12377	0.00741	-0.09391	0.0425	-0.05532	0.23281	0.227907	6.44E-07
0.00775	0.045408	0.32751	0.095267	0.0396	0.105586	0.02249	-0.06817	0.14128
0.04931	-0.08453	0.06799	-0.23546	2.64E-07	-0.13377	0.00378	0.316238	2.63E-12
0.73915	0.07483	0.10631	0.038034	0.41221	0.017884	0.69989	0.010534	0.82039
0.12961	-0.0422	0.36283	-0.04521	0.32964	-0.04732	0.30752	-0.03681	0.42742
0.90814	-0.28918	1.90E-10	-0.0909	0.04962	-0.09954	0.03151	0.04689	0.31195
6.10E-10	-0.26026	1.14E-08	-0.25071	3.99E-08	-0.29939	3.99E-11	-0.13986	0.00245
0.81072	-0.21612	2.43E-06	-0.04616	0.31954	-0.06526	0.15912	0.109221	0.01822
0.00012	0.00097	0.98331	0.041124	0.37525	0.093452	0.04354	0.03462	0.45544
0.74753	-0.2457	7.53E-08	-0.14376	0.00184	-0.1509	0.00107	0.025158	0.58761
0.00786	-0.23092	4.53E-07	-0.13079	0.00464	-0.14619	0.00154	-0.08714	0.05988
0.01688	0.097973	0.03429	-0.03192	0.49133	-0.04835	0.29707	0.080877	0.08082
0.23822	-0.06567	0.15652	0.064455	0.16435	0.036916	0.42609	-0.03894	0.4011
0.00316	0.056704	0.2213	0.184629	5.98E-05	0.172343	0.00018	0.025067	0.58897
0.2537	-0.31177	5.50E-12	-0.08113	0.07989	-0.16745	0.00028	-0.02104	0.65012
0.01178	-0.14111	0.00224	-0.21682	2.25E-06	-0.06589	0.15514	0.034803	0.45307
0.0002	0.073729	0.11156	0.081736	0.07764	0.116659	0.01164	0.239654	1.59E-07
0.28711	-0.15582	0.00073	0.017003	0.71401	-0.04744	0.30631	-0.22001	1.58E-06
0.13854	0.001611	0.97229	0.085553	0.06471	0.075574	0.10286	0.074168	0.10944
0.55266	-0.0515	0.2667	0.134748	0.00353	0.04248	0.3597	-0.14158	0.00216
0.85791	0.054497	0.23983	0.199749	1.37E-05	0.037555	0.41813	0.069088	0.13602
0.70867	-0.1986	1.54E-05	-0.10925	0.0182	-0.10729	0.0204	0.00188	0.96769
0.08488	0.087647	0.05841	0.143544	0.00187	0.125922	0.00643	0.103746	0.02496
6.39E-08	0.061175	0.18693	0.213537	3.22E-06	0.246358	6.93E-08	0.273451	1.87E-09
1.34E-05	-0.1317	0.00436	-0.24578	7.45E-08	-0.2209	1.43E-06	-0.15681	0.00067
0.00075	-0.13817	0.00277	0.094152	0.04198	-0.0839	0.07008	-0.06887	0.13727
0.00035	0.0059	0.89882	-0.10342	0.02542	0.032204	0.48753	-0.11052	0.01689

0.21975	0.334775	1.08E-13	0.104995	0.02326	0.147974	0.00134	0.003572	0.93863
0.1206	0.032598	0.48222	-0.02478	0.59321	-0.03815	0.41083	0.032849	0.47884
0.709	-0.03685	0.42694	-0.00706	0.87913	-0.01963	0.67215	-0.09017	0.05148
0.08048	0.07426	0.109	0.096858	0.0364	0.11673	0.01159	-0.00113	0.98052
0.20009	-0.05592	0.22777	-0.02781	0.54889	-0.04925	0.28816	-0.06082	0.1895
0.34694	0.005812	0.90032	0.253478	2.79E-08	0.109284	0.01816	0.06141	0.18524
0.01781	-0.1694	0.00024	-0.20672	6.67E-06	-0.12919	0.00517	-0.19851	1.55E-05
0.04709	0.03983	0.39047	0.013646	0.76866	-0.07787	0.09279	-0.06833	0.1404
0.0012	-0.12865	0.00536	-0.1192	0.00993	-0.15896	0.00057	-0.27484	1.54E-09
0.88186	0.052572	0.25687	0.316979	2.33E-12	0.127264	0.00589	-0.03727	0.42166
0.00033	0.014012	0.76265	0.153123	0.0009	0.169675	0.00023	-0.04544	0.32716
0.02794	-0.09942	0.03171	0.045945	0.32182	0.014165	0.76014	-0.1859	5.31E-05
0.00452	0.242336	1.14E-07	-0.05928	0.20099	0.09669	0.03673	0.209904	4.76E-06
0.78314	0.153393	0.00088	0.132313	0.00418	0.055182	0.23397	-0.11801	0.0107
2.53E-14	0.139489	0.00252	0.272064	2.28E-09	0.307355	1.13E-11	-0.25934	1.29E-08
0.58879	-0.21102	4.23E-06	-0.23455	2.95E-07	-0.19804	1.62E-05	0.186686	4.92E-05
0.23209	-0.07177	0.12144	-0.0583	0.20854	-0.03729	0.4214	-0.00254	0.95638
1.31E-05	0.377607	2.83E-17	0.371329	1.03E-16	0.310294	7.01E-12	0.22337	1.08E-06
0.7966	-0.33025	2.41E-13	-0.08963	0.05291	-0.12011	0.00937	-0.17331	0.00017
0.00576	-0.31154	5.72E-12	-0.26767	4.19E-09	-0.24835	5.39E-08	0.120437	0.00918
0.03497	-0.08875	0.05529	0.080597	0.08188	0.053811	0.2458	0.018385	0.6919
0.00607	-0.17352	0.00016	-0.04378	0.34521	-0.09702	0.03608	-0.06735	0.1462
0.3681	-0.249	4.96E-08	-0.284	4.11E-10	-0.20289	9.93E-06	-0.12419	0.00721
0.00065	-0.25802	1.54E-08	-0.28052	6.82E-10	-0.27115	2.59E-09	-0.30538	1.55E-11
0.07933	0.143202	0.00192	0.033143	0.47491	0.063511	0.17063	0.364235	4.26E-16
0.41504	-0.13382	0.00376	-0.03196	0.49079	-0.05184	0.26358	-0.12621	0.00631
0.72749	-0.19715	1.78E-05	-0.10057	0.02978	-0.08085	0.08092	0.061118	0.18735
0.10462	-0.02201	0.63518	0.074973	0.10564	0.04248	0.3597	-0.10526	0.02291
0.10821	-0.22792	6.43E-07	0.018415	0.69143	0.030427	0.51188	-0.04642	0.31678
0.16278	0.02145	0.64384	-0.1978	1.67E-05	-0.09209	0.04669	0.217898	2.00E-06
0.00814	0.134141	0.00368	0.084558	0.0679	0.101241	0.0287	0.050172	0.27925
0.01187	0.098724	0.03293	0.131089	0.00455	0.108083	0.01948	-0.01341	0.77256
0.26856	0.005049	0.91334	0.02392	0.60613	0.006447	0.8895	-0.25382	2.67E-08
0.43854	-0.01065	0.81841	-0.13232	0.00418	-0.07753	0.09424	0.349068	7.92E-15
0.06137	-0.0059	0.89883	0.038847	0.40228	0.020235	0.66273	0.053619	0.2475
0.10275	0.045632	0.32512	0.011766	0.79981	0.023064	0.61908	-0.02911	0.53033
0.44824	0.008627	0.8525	-0.05654	0.22266	-0.04173	0.36829	0.020645	0.65632
0.57312	0.03346	0.4707	-0.00903	0.84569	0.018176	0.69523	0.020999	0.65082
0.5133	0.024778	0.59328	-0.02667	0.56534	0.008654	0.85204	0.02751	0.55316
0.94111	-0.05732	0.21629	-0.00571	0.90213	-0.0112	0.80929	0.003143	0.94599
0.88451	-0.06737	0.14603	-0.00644	0.88968	-0.00123	0.97887	0.016873	0.7161
0.52808	-0.0045	0.92281	0.003274	0.94374	-0.00272	0.95319	-0.11612	0.01203
0.54683	-0.05513	0.23438	-0.07629	0.09964	-0.05693	0.21946	-0.17733	0.00012
0.98137	-0.03064	0.50891	-0.02991	0.51906	-0.01719	0.71106	-0.18584	5.33E-05
0.43513	-0.04829	0.29774	-0.03359	0.46896	-0.04337	0.34971	-0.02717	0.55809

0.01629	-0.12195	0.00833	-0.0571	0.21808	-0.11131	0.01611	-0.0188	0.68533
6.25E-05	0.344134	1.98E-14	0.189045	3.93E-05	0.258825	1.38E-08	0.133475	0.00386
0.49349	-0.08463	0.06767	-0.05875	0.20503	-0.05972	0.19765	-0.02447	0.59792
0.83158	-0.33922	4.86E-14	-0.25582	2.06E-08	-0.23884	1.76E-07	-0.21822	1.93E-06
0.40491	-0.13777	0.00285	-0.02272	0.6243	-0.07786	0.09282	-0.00334	0.94261
0.28582	-0.06165	0.18352	-0.02818	0.5436	-0.0478	0.30267	0.000152	0.99738
0.23762	-0.07706	0.09625	0.0396	0.39321	0.024199	0.60194	0.034301	0.45962
0.44923	-0.06009	0.1949	-0.00093	0.98404	-0.03912	0.39897	0.048028	0.30034
0.31871	0.008841	0.84887	0.071397	0.12338	0.029146	0.52981	-0.01102	0.81221
0.15003	0.017616	0.70417	0.00394	0.93234	-0.00668	0.88558	-0.11448	0.01331
2.73E-15	0.206886	6.55E-06	0.248328	5.41E-08	0.325314	5.67E-13	-0.00276	0.95257
5.14E-06	-0.24828	5.44E-08	-0.2219	1.28E-06	-0.25899	1.36E-08	0.075244	0.10438
2.82E-05	0.192304	2.87E-05	0.274753	1.56E-09	0.257344	1.68E-08	0.14501	0.00168
0.04169	-0.20706	6.43E-06	0.060342	0.19302	-0.04987	0.28214	0.013462	0.77171
0.48963	-0.04245	0.36	-0.07589	0.10145	-0.06641	0.15193	0.050174	0.27923
0.36156	0.149178	0.00122	-0.11731	0.01118	-0.06379	0.16872	-0.149	0.00124
0.01576	-0.03172	0.49411	0.070502	0.12817	0.094704	0.04079	0.006571	0.88738
0.00018	-0.04153	0.37054	0.072193	0.11925	0.083166	0.07257	0.134773	0.00352
0.03811	-0.07347	0.11285	-0.05112	0.27025	-0.09562	0.03888	-0.08363	0.07098
5.79E-25	0.267516	4.28E-09	0.05854	0.20668	0.326942	4.28E-13	0.325794	5.22E-13
0.0045	0.117396	0.01112	-0.03384	0.46565	0.070164	0.13001	-0.02104	0.65022
0.67162	0.032241	0.48702	0.081687	0.07782	0.078129	0.09171	0.179893	9.27E-05
0.10758	0.011112	0.81073	0.157902	0.00062	0.095665	0.03878	-0.03605	0.43707
0.10485	-0.05756	0.21439	0.036261	0.43435	-0.03278	0.47976	0.079172	0.08745
0.26444	0.044459	0.33773	-0.11608	0.01206	-0.05196	0.26244	0.150832	0.00108
0.4624	-0.00677	0.88407	0.003039	0.94778	-0.00207	0.96449	0.026435	0.56879
0.00047	-0.28274	4.94E-10	-0.21896	1.78E-06	-0.22784	6.49E-07	-0.24209	1.18E-07
0.72687	-0.32132	1.12E-12	-0.23533	2.69E-07	-0.20115	1.19E-05	-0.00525	0.90989
0.58837	-0.12148	0.00859	-0.00864	0.85236	-0.053	0.25298	0.026622	0.56606
1.79E-07	0.197332	1.74E-05	0.332518	1.61E-13	0.270186	2.96E-09	0.192596	2.79E-05
0.48927	-0.20276	1.01E-05	-0.20501	7.97E-06	-0.17571	0.00014	0.046252	0.31858
0.03056	-0.03579	0.44033	-0.24639	6.91E-08	-0.1594	0.00055	0.018319	0.69295
0.00295	-0.17851	0.00011	0.084531	0.06799	0.014713	0.75115	0.139889	0.00245
0.0015	-0.13924	0.00257	0.002117	0.9636	0.055743	0.22924	-0.19833	1.58E-05
0.00236	0.145089	0.00167	0.171238	0.0002	0.179285	9.80E-05	0.203345	9.47E-06
0.00303	-0.15486	0.00079	-0.11677	0.01156	-0.17779	0.00011	0.092013	0.04689
0.76503	-0.06919	0.13543	-0.0747	0.10691	-0.08104	0.08019	0.124391	0.00712
0.00119	0.023291	0.61563	-0.08989	0.05223	0.048179	0.29882	0.089577	0.05306
1.81E-06	0.186548	4.99E-05	0.065903	0.15505	0.140545	0.00233	0.390461	1.86E-18
0.11117	0.035463	0.44454	0.089789	0.05249	0.026641	0.56577	0.098954	0.03252
0.00085	0.206293	6.97E-06	-0.01946	0.67485	-0.07401	0.1102	-0.12244	0.00808
0.30125	0.083642	0.07094	-0.00532	0.90866	0.007364	0.8739	-0.32566	5.34E-13
0.01049	-0.11828	0.01052	-0.0443	0.33942	-0.07249	0.11772	-0.11506	0.01284
0.01076	0.013652	0.76856	-0.08904	0.0545	-0.03516	0.44844	0.047701	0.30365
0.66902	-0.02287	0.62198	0.009902	0.831	0.02202	0.63505	-0.01986	0.66855



0.0028	-0.18897	3.96E-05	-0.04246	0.35987	0.007744	0.86744	-0.0551	0.23467
1.85E-06	-0.2078	5.95E-06	0.072182	0.1193	0.114624	0.01319	0.141285	0.00221
2.38E-09	0.19604	1.98E-05	-0.01963	0.67224	0.166527	0.0003	0.422876	1.11E-21
0.02484	-0.08995	0.05207	-0.02261	0.62594	-0.01156	0.80331	0.009009	0.84605
2.17E-05	-0.17155	0.0002	0.120885	0.00892	0.119545	0.00972	0.069512	0.13363
0.28096	-0.01726	0.7099	-0.05714	0.21777	-0.03801	0.41252	-0.08533	0.06543
0.07648	0.093946	0.04243	0.063794	0.16873	0.085657	0.06438	0.081182	0.07968
0.39393	-0.00967	0.83494	0.022114	0.63361	0.01396	0.7635	0.031156	0.50181
0.09259	-0.15454	0.00081	-0.09146	0.04824	-0.11863	0.01029	-0.00654	0.88785
0.84458	-0.07864	0.0896	0.004759	0.91831	-0.02552	0.58218	0.016877	0.71604
0.91872	-0.07885	0.08875	0.006173	0.89416	-0.00655	0.88782	0.003969	0.93183
0.66312	0.039772	0.39115	0.142146	0.00208	0.05621	0.22535	-0.10293	0.02613
0.10734	-0.31067	6.59E-12	-0.28562	3.23E-10	-0.25671	1.83E-08	0.011165	0.80983
0.14251	-0.00323	0.94456	0.025244	0.58634	0.039292	0.3969	-0.22821	6.21E-07
0.2499	-0.25249	3.17E-08	-0.2842	3.99E-10	-0.24086	1.37E-07	0.234814	2.86E-07
5.13E-09	0.244279	8.99E-08	0.136143	0.0032	0.246144	7.12E-08	0.075912	0.10133
0.65057	-0.17252	0.00018	-0.07866	0.08953	-0.10033	0.03018	-0.07403	0.1101
0.38328	-0.0344	0.45838	0.052727	0.25546	-0.02205	0.63462	0.115688	0.01236
0.02321	-0.08338	0.07185	-0.02074	0.65488	0.052859	0.25427	-0.01677	0.71782
5.98E-05	-0.15216	0.00097	0.029007	0.53177	0.036026	0.43734	0.029942	0.51863
0.06856	-0.02612	0.57339	-0.16525	0.00034	-0.14846	0.00129	0.057	0.21889
0.17668	-0.26129	9.97E-09	-0.15553	0.00074	-0.17605	0.00013	-0.24084	1.38E-07
0.96324	-0.07601	0.10088	-0.08587	0.06372	-0.06791	0.14286	0.033716	0.46731
0.57193	-0.09028	0.05122	0.200287	1.30E-05	0.029434	0.52575	0.007007	0.87995
7.09E-07	0.207986	5.84E-06	0.165835	0.00032	0.243061	1.05E-07	0.077167	0.09579
0.74411	-0.0943	0.04165	-0.00897	0.84676	-0.03566	0.44196	-0.11538	0.0126
0.03301	-0.06626	0.15283	-0.26565	5.53E-09	-0.17576	0.00013	0.164657	0.00035
0.11833	-0.14199	0.0021	-0.10845	0.01907	-0.10754	0.02009	0.02525	0.58625
0.00194	-0.04775	0.30318	-0.15585	0.00073	-0.13465	0.00355	0.189129	3.90E-05
0.07541	-0.17732	0.00012	0.035753	0.44082	-0.00019	0.99668	-0.04236	0.36104
0.01528	0.178967	0.0001	-0.01495	0.74725	0.076244	0.09984	0.399923	2.31E-19
1.02E-14	0.30618	1.36E-11	0.191387	3.14E-05	0.281554	5.87E-10	0.293766	9.50E-11
1.75E-14	0.468906	6.64E-27	0.25113	3.78E-08	0.353809	3.23E-15	0.366319	2.81E-16
4.53E-38	0.430609	1.67E-22	0.306202	1.36E-11	0.484568	7.19E-29	0.173135	0.00017
0.0001	-0.12316	0.00771	-0.15344	0.00088	-0.18218	7.51E-05	0.03027	0.51405
0.15468	-0.03458	0.45595	-0.11733	0.01117	-0.1151	0.01281	-0.08659	0.06152
1.96E-18	0.154116	0.00083	0.338834	5.21E-14	0.323224	8.11E-13	0.04219	0.36298
6.13E-05	-0.0383	0.40892	-0.06345	0.17106	-0.12101	0.00885	0.070037	0.13071
0.29255	-0.03278	0.47976	0.082065	0.07645	-0.04678	0.31304	-0.1164	0.01183
0.01016	-0.00707	0.87895	-0.05719	0.21732	-0.06708	0.14779	-0.07515	0.1048
0.91299	-0.03672	0.42861	-0.01127	0.80814	0.003319	0.94297	-0.18632	5.09E-05
0.0069	0.452845	5.43E-25	0.288273	2.18E-10	0.285832	3.13E-10	0.14347	0.00188
0.02045	-0.22736	6.86E-07	-0.03395	0.46421	-0.02079	0.65407	0.32299	8.44E-13
0.5438	0.08474	0.0673	-0.03229	0.48641	0.05966	0.19811	0.259009	1.35E-08
0.17941	0.002908	0.95003	0.091479	0.04819	0.070029	0.13075	0.05491	0.23628

0.03793	0.009074	0.84494	0.13574	0.00329	0.104593	0.0238	0.07424	0.1091
0.37486	-0.1842	6.22E-05	-0.16808	0.00026	-0.12622	0.00631	0.075044	0.10531
4.92E-19	0.085285	0.06556	0.172388	0.00018	0.269826	3.11E-09	0.147384	0.0014
0.05578	-0.06904	0.13632	-0.03036	0.51278	-0.09625	0.03759	0.343329	2.30E-14
0.00028	0.02567	0.58003	0.194151	2.39E-05	0.183533	6.62E-05	0.256928	1.78E-08
0.54759	-0.13211	0.00424	0.058381	0.20792	-0.00091	0.98434	0.01099	0.81277
0.43255	0.011288	0.80777	0.132123	0.00424	0.078334	0.09086	0.042525	0.35918
0.01026	-0.32024	1.35E-12	-0.10718	0.02052	-0.15492	0.00078	0.112704	0.01482
0.87625	-0.11347	0.01415	-0.03562	0.44253	-0.02892	0.53294	-0.02193	0.63639
0.00077	0.357764	1.51E-15	0.24122	1.31E-07	0.282704	4.96E-10	0.467485	9.90E-27
0.09844	-0.10771	0.0199	0.071929	0.1206	0.035512	0.44392	-0.00073	0.98739
0.51831	-0.05727	0.2167	-0.01709	0.71257	-0.05522	0.23367	0.348478	8.84E-15
0.17921	-0.16525	0.00034	-0.02249	0.6279	-0.07664	0.09808	-0.17963	9.49E-05
2.55E-23	0.224954	9.05E-07	0.260517	1.11E-08	0.420559	1.93E-21	0.188018	4.34E-05
0.01825	0.03009	0.51656	-0.014	0.76281	0.010761	0.8166	0.25698	1.77E-08
0.15091	-0.19493	2.22E-05	-0.12328	0.00765	-0.09296	0.04466	-0.16097	0.00048
1.57E-06	-0.14773	0.00137	0.010212	0.8258	0.035511	0.44392	0.262386	8.60E-09
0.60229	-0.21446	2.92E-06	-0.18879	4.03E-05	-0.12482	0.00692	-0.31273	4.71E-12
0.01258	-0.13358	0.00383	-0.13235	0.00417	-0.17464	0.00015	-0.20884	5.33E-06
0.0902	-0.21789	2.00E-06	-0.12271	0.00794	-0.11384	0.01384	0.010598	0.81933
0.37891	0.00586	0.89949	0.10639	0.02148	0.065627	0.15679	-0.00925	0.84198
0.37908	-0.04212	0.36381	-0.00868	0.85166	-0.04471	0.33495	-0.03103	0.50348
7.91E-05	0.261665	9.48E-09	0.269216	3.39E-09	0.233251	3.44E-07	0.299209	4.10E-11
0.79226	-0.10468	0.02368	-0.00229	0.96058	-0.00479	0.91782	-0.21448	2.91E-06
0.04459	-0.05756	0.2144	-0.08733	0.05932	-0.11759	0.01099	-0.15649	0.00069
0.97445	-0.16059	0.00049	-0.04488	0.3332	-0.05486	0.23668	-0.16463	0.00035
0.34267	-0.02218	0.63252	0.017644	0.70373	0.023653	0.61015	0.057925	0.2115
0.52614	-0.04656	0.31541	-0.16448	0.00036	-0.08582	0.06387	-0.16049	0.0005
1.72E-05	0.136628	0.00309	0.252695	3.09E-08	0.234514	2.96E-07	0.072368	0.11835
0.06007	0.046866	0.3122	0.120168	0.00934	0.002903	0.95011	-0.18666	4.93E-05
0.1415	0.067866	0.1431	0.154969	0.00078	0.123325	0.00763	-0.26879	3.59E-09
0.05618	-0.15821	0.0006	-0.10196	0.02758	-0.18347	6.66E-05	-0.05546	0.2316
7.39E-09	0.006794	0.88358	0.087016	0.06025	0.136834	0.00305	0.214783	2.82E-06
0.37018	-0.30869	9.09E-12	-0.16497	0.00034	-0.16635	0.00031	-0.0061	0.89536
7.57E-05	0.036769	0.42794	0.073673	0.11184	0.132039	0.00426	0.368733	1.73E-16
0.62798	-0.08502	0.06641	-0.07902	0.08806	-0.05243	0.25815	-0.00601	0.89691
0.01529	-0.0305	0.51089	0.070727	0.12695	0.083808	0.07038	-0.02276	0.62369
0.51791	0.021043	0.65014	0.0214	0.6446	0.016386	0.72396	-0.15628	0.0007
0.03644	-0.08964	0.05288	-0.08914	0.05422	-0.01909	0.68076	0.190699	3.35E-05
8.81E-05	0.218537	1.86E-06	0.02347	0.61292	0.182046	7.60E-05	0.245496	7.72E-08
0.46033	0.059386	0.20018	0.070202	0.1298	0.067311	0.14641	-0.0605	0.19188
0.49898	-0.12546	0.00663	-0.0141	0.76116	-0.03663	0.42969	0.001399	0.97594
0.0034	-0.05906	0.20266	-0.09316	0.0442	-0.10007	0.03061	-0.00839	0.85646
0.51217	0.12375	0.00742	0.127769	0.00569	0.135289	0.0034	-0.03555	0.44342
0.99717	0.060937	0.18866	0.154226	0.00083	0.083335	0.07199	-0.01718	0.71119

0.64919	0.288088	2.24E-10	0.183514	6.63E-05	0.15652	0.00069	0.046145	0.3197
0.00109	0.313214	4.35E-12	0.154645	0.0008	0.201206	1.18E-05	-0.05261	0.25654
9.17E-21	0.380163	1.66E-17	0.337714	6.38E-14	0.434518	6.27E-23	0.124616	0.00701
0.26657	-0.09588	0.03835	0.033924	0.46457	0.01629	0.7255	-0.09284	0.04495
0.18184	0.018776	0.68569	0.070538	0.12797	0.085737	0.06413	-0.05615	0.22583
0.37824	-0.03786	0.4144	0.010231	0.82547	-0.02246	0.62827	-0.14475	0.00171
0.41146	-0.03869	0.4042	0.101896	0.02768	-0.00642	0.88987	-0.06492	0.16132
0.00098	0.089334	0.05371	0.171024	0.0002	0.160807	0.00049	0.166063	0.00031
0.00408	0.015929	0.73135	0.057121	0.21792	0.090218	0.05137	0.079093	0.08776
0.2404	0.060015	0.19545	0.05016	0.27937	0.055693	0.22965	0.055988	0.2272
0.14936	-0.06044	0.19231	-0.11889	0.01013	-0.09635	0.03739	0.094975	0.04021
2.04E-22	0.370813	1.14E-16	0.300502	3.35E-11	0.46877	6.90E-27	0.221123	1.40E-06
0.00664	0.17765	0.00011	0.067247	0.14679	0.099658	0.0313	-0.134	0.00372
9.12E-05	0.07361	0.11215	-0.1292	0.00517	0.053215	0.25108	0.164841	0.00035
0.07995	0.249226	4.82E-08	-0.05124	0.26914	0.077979	0.09234	0.440456	1.39E-23
0.01742	-0.0721	0.1197	-0.287	2.63E-10	-0.20861	5.46E-06	-0.13687	0.00304
0.00027	0.443454	6.42E-24	0.117301	0.01118	0.21445	2.92E-06	0.196973	1.81E-05
3.56E-10	0.0386	0.40528	0.136386	0.00314	0.229417	5.40E-07	0.233827	3.21E-07
0.0004	0.006841	0.88278	-0.15377	0.00086	-0.00907	0.84506	-0.04449	0.3374
0.04681	-0.1143	0.01346	-0.02381	0.60773	0.018595	0.68857	-0.02513	0.58797
0.74526	-0.11666	0.01164	-0.02428	0.60073	-0.03811	0.4113	-0.05871	0.20535
0.25874	-0.01566	0.73568	0.066026	0.15428	0.026839	0.5629	0.051408	0.26757
0.30778	-0.05514	0.23428	0.009153	0.84361	0.024475	0.5978	0.027146	0.55843
0.39702	0.031358	0.49904	0.134092	0.00369	0.086553	0.06163	-0.06427	0.16555
0.24041	0.004385	0.92471	0.163282	0.0004	0.07922	0.08725	-0.00423	0.92741
0.16411	-0.05377	0.24615	0.076008	0.1009	0.052347	0.25891	0.054616	0.23881
0.04974	-0.12415	0.00723	-0.01834	0.69266	-0.07487	0.10613	0.010835	0.81536
0.85703	0.015311	0.74139	0.061871	0.18196	0.006728	0.88471	0.004842	0.91689
0.51275	-0.01198	0.79632	0.017673	0.70326	-0.00143	0.97542	0.004184	0.92815
0.01739	0.009174	0.84327	0.031423	0.49815	0.07334	0.11347	0.004685	0.91957
0.65822	-0.05782	0.21233	-0.0134	0.77265	-0.04698	0.31101	0.02193	0.63643
0.40352	-0.03231	0.4861	0.147829	0.00136	-0.01367	0.76831	-0.0763	0.0996
9.35E-11	0.097042	0.03604	0.297614	5.25E-11	0.258648	1.42E-08	0.2406	1.42E-07
0.03305	-0.06296	0.1744	0.053215	0.25109	0.051006	0.27133	-0.29527	7.54E-11
0.0397	-0.01094	0.8136	0.032055	0.48954	0.045225	0.32946	-0.01226	0.79165
0.05182	0.024304	0.60035	-0.05387	0.24529	0.018259	0.69391	-0.27936	8.07E-10
0.35377	0.098795	0.0328	0.106356	0.02152	0.087519	0.05878	0.067012	0.14821
0.87641	-0.03745	0.41949	-0.002	0.96563	0.029047	0.5312	0.017009	0.7139
0.71191	0.036315	0.43367	-0.04587	0.32264	-0.04763	0.30433	0.128717	0.00534
0.45932	-0.24821	5.49E-08	-0.15243	0.00095	-0.15256	0.00094	0.010761	0.81658
0.87072	-0.18924	3.86E-05	-0.20883	5.34E-06	-0.14009	0.00241	0.131963	0.00428
0.50323	-0.1378	0.00284	-0.00871	0.85101	-0.01735	0.70851	0.008605	0.85286
0.2246	-0.0981	0.03405	-0.0076	0.8699	-0.02036	0.66077	-0.0225	0.62771
0.01022	0.040475	0.38283	0.009342	0.84042	0.092068	0.04676	0.019096	0.68063
0.00032	0.152808	0.00092	0.150557	0.0011	0.189621	3.72E-05	0.174003	0.00016

0.632	-0.03195	0.49099	0.105313	0.02284	0.042161	0.36331	-0.11176	0.01568
0.81299	-0.05004	0.28052	0.029241	0.52847	-0.0239	0.60644	-0.01762	0.70411
0.98719	-0.02477	0.59334	-0.01087	0.81481	-0.01976	0.67012	0.004272	0.92664
0.11769	-0.07844	0.09042	-0.09773	0.03475	-0.11398	0.01372	-0.10544	0.02268
0.39495	-0.0997	0.03122	0.018541	0.68943	-0.03248	0.48378	0.078464	0.09032
0.00917	-0.0694	0.13423	-0.13374	0.00379	-0.00278	0.95218	-0.05999	0.19563
0.76725	-0.03845	0.40714	0.078182	0.09149	0.055038	0.23519	0.061493	0.18465
5.92E-05	0.1075	0.02015	-0.0504	0.27706	-0.07981	0.0849	0.274379	1.64E-09
0.35687	0.068021	0.14218	-0.00512	0.91211	0.018791	0.68546	-0.01596	0.73084
0.10019	-0.22966	5.25E-07	-0.14017	0.0024	-0.16414	0.00037	0.003886	0.93325
0.04493	-0.01343	0.77217	-0.02092	0.65204	0.029992	0.51793	0.025186	0.5872
0.23412	-0.17935	9.73E-05	-0.10251	0.02674	-0.11072	0.01668	0.010762	0.81658
0.0013	0.254405	2.48E-08	0.068358	0.14021	0.124286	0.00716	0.241577	1.26E-07
0.13498	-0.13385	0.00376	-0.04623	0.31878	-0.08231	0.07558	0.052748	0.25527
0.13295	-0.24183	1.22E-07	-0.10889	0.01858	-0.10381	0.02487	-0.03879	0.40301
0.13528	-0.30802	1.01E-11	-0.0102	0.82607	-0.08618	0.06276	0.192036	2.94E-05
0.66177	-0.04374	0.34559	0.01583	0.73296	0.005636	0.90331	0.0146	0.75301
0.82633	-0.0288	0.53476	0.019122	0.68022	-0.01539	0.74014	0.240227	1.48E-07
3.13E-05	0.441297	1.12E-23	0.229849	5.14E-07	0.278595	9.01E-10	0.169802	0.00023
0.02812	-0.3428	2.53E-14	-0.24182	1.22E-07	-0.23021	4.93E-07	-0.07229	0.11875
0.1194	-0.05077	0.27351	-0.05381	0.24585	-0.06385	0.16837	-0.00595	0.89796
3.38E-05	0.235358	2.68E-07	0.272008	2.30E-09	0.289408	1.84E-10	0.245448	7.77E-08
0.857	-0.15138	0.00103	-0.01276	0.78334	-0.09418	0.04193	0.023959	0.60555
0.01687	-0.13938	0.00254	0.058399	0.20777	0.015023	0.7461	0.102847	0.02625
0.12752	-0.26678	4.74E-09	-0.16814	0.00026	-0.19067	3.36E-05	-0.04425	0.33998
0.87525	-0.07854	0.09002	-0.09393	0.04248	-0.07028	0.12937	-0.09844	0.03345
0.19192	-0.16797	0.00027	-0.21168	3.94E-06	-0.17805	0.00011	-0.20766	6.04E-06
0.53551	-0.28389	4.17E-10	-0.26367	7.23E-09	-0.17441	0.00015	-0.07239	0.11826
0.88104	-0.22075	1.45E-06	-0.09218	0.04648	-0.11929	0.00987	-0.17995	9.22E-05
0.05676	0.29469	8.25E-11	0.102875	0.02621	0.097596	0.03499	0.040011	0.38831
1.77E-06	0.242979	1.06E-07	0.008244	0.85897	0.193239	2.62E-05	0.176355	0.00013
0.58358	-0.23761	2.04E-07	-0.20905	5.22E-06	-0.17603	0.00013	-0.1024	0.02691
0.23717	-0.09561	0.03889	-0.09942	0.03171	-0.09503	0.0401	-0.00242	0.95832
0.00045	0.058842	0.20434	0.141812	0.00213	0.153465	0.00088	0.020794	0.65401
2.31E-05	0.159768	0.00053	0.201491	1.15E-05	0.179215	9.86E-05	0.075015	0.10544
0.07541	0.152161	0.00097	0.250812	3.94E-08	0.183779	6.47E-05	-0.02924	0.52849
0.444	-0.1097	0.01772	-0.03699	0.42514	-0.04807	0.29991	0.007861	0.86546
0.29682	0.004135	0.92899	-0.09723	0.03568	-0.07473	0.10676	0.062867	0.17502
0.02898	-0.10039	0.03008	-0.01538	0.74019	-0.07273	0.11651	-0.06364	0.16977
0.89235	-0.13894	0.00262	-0.0367	0.42881	-0.09323	0.04405	0.255151	2.25E-08
1.41E-06	0.004281	0.92649	0.200847	1.22E-05	0.15206	0.00098	0.002001	0.96561
0.06268	0.157967	0.00061	0.263686	7.22E-09	0.118403	0.01044	0.076243	0.09984
0.01953	-0.07721	0.09562	-0.03267	0.4812	0.021137	0.64867	0.346427	1.30E-14
0.09296	0.069187	0.13546	0.077641	0.09376	0.098967	0.0325	0.168073	0.00026
0.0019	0.025446	0.58335	-0.00793	0.86422	-0.07092	0.12589	0.168462	0.00026

0.00803	-0.09291	0.04478	-0.10319	0.02575	-0.13555	0.00333	0.031909	0.49153
0.01839	-0.04725	0.30828	-0.17787	0.00011	-0.14361	0.00186	0.355552	2.31E-15
0.01004	0.252528	3.16E-08	0.242566	1.11E-07	0.191344	3.15E-05	-0.12383	0.00738
0.00279	-0.11817	0.01059	-0.08335	0.07193	-0.12777	0.00569	0.178426	0.00011
1.18E-06	-0.16455	0.00036	0.018521	0.68974	0.039933	0.38924	-0.07308	0.11477
0.09519	-0.12485	0.0069	-0.02859	0.53776	-0.02839	0.54052	-0.09667	0.03676
0.40183	-0.03987	0.38998	0.022697	0.62468	0.010338	0.82368	0.009824	0.83231
6.26E-05	-0.1252	0.00675	-0.00206	0.96458	0.026803	0.56342	0.133981	0.00372
0.80365	-0.02432	0.60016	-0.02162	0.64115	-0.01967	0.67164	0.233401	3.38E-07
0.00061	0.086898	0.0606	0.177149	0.00012	0.16851	0.00025	0.139918	0.00244
0.00825	-0.02651	0.56774	0.072196	0.11923	0.061947	0.18142	-0.05151	0.26658
0.05346	-0.27106	2.62E-09	-0.1463	0.00152	-0.18853	4.13E-05	-0.04826	0.29805
0.00665	-0.20158	1.14E-05	-0.09461	0.04098	-0.04687	0.31215	-0.04422	0.34038
0.0032	-0.09114	0.04904	-0.20278	1.00E-05	-0.1885	4.14E-05	-0.21036	4.53E-06
0.07722	-0.24061	1.42E-07	0.020005	0.66633	-0.12081	0.00897	0.038652	0.40465
0.57333	-0.10997	0.01744	-0.00785	0.86571	-0.04696	0.31126	0.211614	3.97E-06
0.5712	-0.06106	0.18779	-0.04429	0.33957	-0.0376	0.41756	-0.01166	0.80151
0.0009	0.019222	0.67864	0.111343	0.01608	0.092749	0.04515	0.10362	0.02514
0.02865	-0.2636	7.31E-09	-0.24881	5.08E-08	-0.22062	1.48E-06	0.078444	0.09041
1.40E-05	0.35538	2.39E-15	-0.02362	0.61068	0.146933	0.00145	0.358709	1.26E-15
0.50492	0.08565	0.06441	-0.02199	0.63558	-0.03158	0.49604	0.19356	2.54E-05
0.0046	-0.15596	0.00072	-0.19077	3.33E-05	-0.19236	2.85E-05	-0.23614	2.44E-07
0.83577	-0.07148	0.12294	-0.0132	0.77605	-0.04729	0.30779	0.028105	0.54462
0.08064	0.074827	0.10632	-0.11043	0.01697	-0.05211	0.26106	0.21052	4.46E-06
1.64E-08	-0.10354	0.02525	-0.00939	0.83963	0.07895	0.08834	-0.079	0.08816
0.00013	-0.07281	0.11613	0.096266	0.03756	0.093982	0.04235	0.01136	0.80659
0.57697	-0.07245	0.11792	-0.11958	0.0097	-0.07961	0.0857	0.160796	0.00049
0.03021	-0.01523	0.74267	-0.19931	1.43E-05	-0.16808	0.00026	0.022446	0.6285
0.94178	-0.32113	1.16E-12	-0.02926	0.52824	-0.1099	0.01751	0.083386	0.07182
0.13746	0.076136	0.10032	-0.07692	0.09688	0.01398	0.76317	0.268842	3.57E-09
9.32E-08	0.241105	1.33E-07	0.044799	0.33404	0.195943	2.00E-05	0.184498	6.05E-05
0.00107	0.45075	9.49E-25	0.319438	1.54E-12	0.287127	2.58E-10	0.220797	1.45E-06
0.15709	-0.03438	0.45853	0.05614	0.22594	0.036788	0.4277	-0.01377	0.7667
0.45112	-0.07737	0.0949	-0.24684	6.52E-08	-0.10862	0.01888	0.075741	0.1021
1.98E-06	-0.11763	0.01095	-0.24692	6.46E-08	-0.28938	1.84E-10	0.24462	8.62E-08
0.06642	0.121785	0.00842	0.089443	0.05341	0.117865	0.0108	-0.05076	0.27366
0.36272	0.036798	0.42758	0.049189	0.28879	0.054851	0.23679	-0.0037	0.93645
2.11E-07	0.068997	0.13653	0.210258	4.59E-06	0.191074	3.23E-05	0.044917	0.33277
4.19E-05	0.107272	0.02041	0.148797	0.00126	0.172931	0.00017	0.118464	0.0104
3.43E-06	-0.03668	0.42907	-0.12792	0.00563	-0.17279	0.00018	0.009024	0.84578
0.06943	0.016403	0.72369	0.121915	0.00835	0.064554	0.1637	-0.05309	0.25223
0.42708	-0.11721	0.01125	-0.0337	0.46749	-0.03872	0.40381	-0.00031	0.99471
0.13566	-0.00748	0.87187	-0.00031	0.99475	-0.03216	0.48816	0.072623	0.11705
0.00319	-0.00235	0.95961	0.162789	0.00041	0.159139	0.00056	-0.24392	9.41E-08
0.48211	-0.12349	0.00755	-0.23044	4.79E-07	-0.16335	0.00039	0.141513	0.00217

0.0982	-0.24502	8.20E-08	-0.13377	0.00378	-0.12099	0.00886	0.008726	0.85083
0.0751	-0.17126	0.0002	-0.19552	2.09E-05	-0.09481	0.04057	-0.24097	1.35E-07
0.00021	-0.27838	9.29E-10	-0.11349	0.01413	-0.1949	2.22E-05	-0.061	0.18819
0.00702	0.157924	0.00061	-0.00255	0.95614	0.072377	0.1183	0.443017	7.19E-24
1.01E-09	0.067319	0.14635	0.203185	9.63E-06	0.236217	2.41E-07	0.083394	0.07179
7.59E-05	-0.21676	2.27E-06	-0.2193	1.71E-06	-0.22855	5.98E-07	-0.26484	6.17E-09
0.09561	0.119048	0.01003	0.159085	0.00056	0.10555	0.02254	0.167304	0.00028
0.14505	-0.25458	2.42E-08	-0.09668	0.03675	-0.0738	0.1112	-0.16174	0.00045
0.49825	0.296938	5.83E-11	0.11414	0.01359	0.173361	0.00017	0.137808	0.00284
0.52204	-0.02859	0.53769	0.028676	0.53647	-0.06224	0.17934	0.072206	0.11918
5.05E-13	0.121204	0.00874	0.054881	0.23653	0.177643	0.00011	-0.15649	0.00069
3.96E-19	0.460293	7.25E-26	0.281502	5.92E-10	0.367788	2.10E-16	0.163229	0.0004
0.49393	-0.20452	8.39E-06	-0.09577	0.03856	-0.08589	0.06367	-0.16356	0.00039
0.10898	-0.1823	7.43E-05	-0.09925	0.032	-0.14188	0.00212	-0.07961	0.08571
0.2087	-0.04772	0.30349	-0.03836	0.40826	-0.05858	0.20639	-0.25129	3.70E-08
0.8087	0.044347	0.33894	-0.0526	0.25665	-0.00598	0.89747	0.03613	0.43602
0.00076	0.221235	1.38E-06	0.130275	0.00481	0.219945	1.59E-06	0.087687	0.05829
4.84E-05	0.153067	0.0009	0.230861	4.56E-07	0.244585	8.66E-08	-0.09874	0.03291
7.33E-13	0.070674	0.12724	0.034152	0.46157	0.162777	0.00041	0.050802	0.27325
6.17E-10	0.020202	0.66325	-0.1804	8.84E-05	-0.21902	1.77E-06	-0.10715	0.02056
0.01525	0.038222	0.4099	0.13532	0.00339	0.125013	0.00683	-0.08743	0.05903
0.6754	-0.09755	0.03508	-0.0316	0.49571	-0.00526	0.90967	-0.15646	0.00069
0.20358	-0.06528	0.15898	0.089834	0.05237	0.047261	0.30813	-0.03945	0.39505
4.00E-11	-0.05532	0.23276	-0.20464	8.28E-06	-0.23742	2.09E-07	-0.10583	0.02218
0.89639	-0.29873	4.42E-11	-0.17229	0.00018	-0.1685	0.00025	0.05086	0.27271
0.13106	-0.08791	0.05764	0.042173	0.36317	0.032793	0.47959	-0.01587	0.73232
0.00049	-0.19205	2.94E-05	-0.1853	5.61E-05	-0.19859	1.54E-05	-0.28726	2.53E-10
0.56552	-0.07632	0.09951	-0.04979	0.2829	-0.05902	0.20295	0.040768	0.37939
2.22E-07	0.223653	1.05E-06	0.228747	5.84E-07	0.256352	1.92E-08	0.156736	0.00068
0.01361	0.070313	0.12919	0.081899	0.07705	0.099972	0.03077	-0.20449	8.41E-06
1.12E-07	0.269122	3.43E-09	0.432662	9.99E-23	0.313909	3.87E-12	-0.07084	0.12634
0.81519	-0.05112	0.27021	-0.00955	0.83692	-0.01904	0.68145	-0.01295	0.78021
0.9168	0.141412	0.00219	0.026131	0.57324	0.043942	0.34339	0.232021	3.98E-07
3.30E-06	0.027715	0.55022	0.100947	0.02917	0.170903	0.00021	0.037345	0.42073
0.33289	-0.0716	0.12229	-0.02213	0.63336	-0.03082	0.50646	0.234918	2.82E-07
0.46865	-0.17456	0.00015	-0.02109	0.64937	-0.05281	0.25475	-0.18215	7.53E-05
0.00058	-0.12232	0.00814	-0.17595	0.00013	-0.18975	3.67E-05	-0.21545	2.62E-06
0.64371	0.189225	3.86E-05	-0.0169	0.71566	0.031537	0.49659	0.183291	6.77E-05
6.77E-05	-0.04018	0.38631	-0.12023	0.00931	-0.14064	0.00232	-0.00103	0.98225
3.75E-06	-0.1209	0.00891	-0.19369	2.50E-05	-0.20479	8.16E-06	-0.19599	1.99E-05
0.00278	-0.00297	0.94895	-0.07263	0.117	-0.00626	0.89265	-0.0453	0.32861
1.17E-08	-0.17501	0.00014	-0.26136	9.88E-09	-0.27511	1.48E-09	-0.11099	0.01642
0.06041	-0.09554	0.03903	-0.13412	0.00369	-0.16091	0.00048	-0.06488	0.1616
5.24E-07	-0.11843	0.01042	-0.19857	1.54E-05	-0.21153	4.00E-06	-0.16987	0.00023
3.39E-10	0.263451	7.45E-09	0.250663	4.01E-08	0.323543	7.68E-13	0.087418	0.05907

0.00394	-0.03088	0.5056	0.084483	0.06814	0.093369	0.04372	0.11417	0.01356
0.00066	-0.03631	0.43368	0.020813	0.6537	-0.09595	0.0382	0.098734	0.03291
0.60944	0.105476	0.02263	0.119787	0.00957	0.088771	0.05524	0.194746	2.26E-05
0.01038	0.106531	0.02131	0.270377	2.88E-09	0.163685	0.00038	-0.04402	0.34258
0.00044	0.02934	0.52707	0.180089	9.10E-05	0.18033	8.90E-05	-0.05466	0.23839
0.03684	0.058455	0.20734	0.140955	0.00226	0.143177	0.00192	0.293775	9.49E-11
0.68083	-0.07837	0.0907	-0.00285	0.95099	0.019411	0.67566	-0.16968	0.00023
1.25E-06	0.092135	0.0466	0.09644	0.03722	0.111967	0.01549	0.284065	4.07E-10
9.11E-08	-0.20337	9.44E-06	0.03082	0.50644	0.071648	0.12207	0.106561	0.02127
0.14907	0.003835	0.93412	0.033909	0.46476	0.049485	0.28589	0.287379	2.49E-10
0.67691	-0.03078	0.50705	-0.00118	0.97966	-0.01789	0.69972	-0.22076	1.45E-06
0.00017	-0.03268	0.48109	0.163796	0.00038	0.125951	0.00642	0.074166	0.10945
2.99E-16	0.084056	0.06955	0.133792	0.00377	0.190826	3.31E-05	0.369681	1.43E-16
0.31561	0.074229	0.10915	-0.01151	0.80415	-0.0175	0.70596	0.082441	0.07511
0.00071	0.02922	0.52876	0.245501	7.72E-08	0.165985	0.00032	-0.01919	0.67921
0.00754	0.020186	0.66349	0.092295	0.04622	0.117957	0.01074	0.06994	0.13125
3.99E-05	-0.11565	0.01239	-0.01223	0.79215	0.01979	0.66969	0.05272	0.25553
0.45592	-0.03845	0.40706	0.038619	0.40505	0.028022	0.5458	-0.05065	0.27469
0.49128	-0.03795	0.41326	0.107041	0.02069	0.067079	0.1478	0.412544	1.29E-20
0.00167	-0.01139	0.80615	-0.20105	1.20E-05	-0.16113	0.00047	-0.17994	9.22E-05
0.53101	0.029684	0.52224	0.111256	0.01616	0.039	0.40043	0.08968	0.05278
1.60E-05	-0.13136	0.00446	0.103067	0.02593	0.050649	0.2747	-0.02387	0.60695
0.09171	-0.11314	0.01443	-0.03084	0.50618	-0.0305	0.51089	-0.04944	0.2863
0.6972	0.002671	0.95409	0.012691	0.78444	-0.02138	0.64492	-0.067	0.14831
0.03646	-0.02845	0.53964	-0.08662	0.06143	-0.08946	0.05338	0.022639	0.62556
0.0543	0.037771	0.41545	0.113757	0.01391	0.090346	0.05104	0.015547	0.73755
0.01466	-0.15243	0.00095	0.038929	0.40129	0.013905	0.7644	0.009199	0.84285
0.26433	0.314407	3.57E-12	0.309491	7.98E-12	0.24329	1.02E-07	0.039953	0.38901
0.6804	0.065867	0.15528	0.114521	0.01327	0.0513	0.26857	-0.02557	0.58151
0.11109	0.309649	7.78E-12	0.069032	0.13634	0.156674	0.00068	0.154122	0.00083
3.59E-05	-0.1374	0.00293	-0.19453	2.30E-05	-0.21523	2.68E-06	-0.25453	2.44E-08
0.02804	-0.1581	0.00061	-0.02023	0.66275	-0.00807	0.86189	0.233668	3.27E-07
0.00023	-0.10849	0.01902	0.017974	0.69846	0.044255	0.33995	0.469759	5.22E-27
3.80E-09	-0.33757	6.55E-14	-0.4592	9.79E-26	-0.41516	6.98E-21	-0.00137	0.97637
0.003	-0.35307	3.72E-15	-0.22428	9.77E-07	-0.25372	2.71E-08	-0.00416	0.9286
0.65883	0.228273	6.17E-07	0.054169	0.24268	0.067563	0.1449	0.210784	4.34E-06
1.54E-05	-0.14498	0.00168	-0.28367	4.31E-10	-0.26969	3.17E-09	-0.14405	0.0018
0.01941	-0.176	0.00013	-0.19602	1.99E-05	-0.16361	0.00038	0.190453	3.43E-05
0.00022	-0.19704	1.80E-05	-0.27846	9.18E-10	-0.26073	1.07E-08	-0.02135	0.64534
0.00035	0.019153	0.67972	0.182063	7.59E-05	0.178198	0.00011	0.341975	2.95E-14
9.92E-09	-0.01537	0.7404	0.118765	0.01021	0.165296	0.00033	0.124736	0.00696
2.50E-12	0.352781	3.93E-15	0.361814	6.86E-16	0.355029	2.56E-15	0.324975	6.01E-13
0.53713	0.114725	0.01311	-0.08028	0.08308	0.001584	0.97276	0.128417	0.00545
0.88542	-0.02511	0.58834	-0.17409	0.00016	-0.05708	0.21821	0.385754	5.11E-18
9.09E-10	0.155498	0.00075	0.26125	1.00E-08	0.277123	1.11E-09	0.299304	4.04E-11

0.3482	0.032131	0.48852	0.025715	0.57937	0.010944	0.81353	0.135425	0.00337
0.98255	0.015429	0.73948	0.026681	0.5652	-0.01461	0.75281	-0.09002	0.05189
1.96E-05	-0.12385	0.00737	-0.18415	6.25E-05	-0.20572	7.40E-06	0.333726	1.30E-13
0.01191	-0.11685	0.0115	-0.10595	0.02203	-0.13557	0.00333	0.00938	0.83978
0.00207	-0.228	6.37E-07	-0.15912	0.00056	-0.19889	1.49E-05	-0.09374	0.04289
0.178	0.204793	8.15E-06	0.193075	2.66E-05	0.149429	0.0012	0.142001	0.0021
0.00045	-0.28233	5.24E-10	-0.24088	1.37E-07	-0.25883	1.38E-08	-0.16421	0.00037
0.00601	0.36019	9.42E-16	0.204663	8.26E-06	0.264831	6.18E-09	0.406478	5.24E-20
1.41E-11	-0.0159	0.73179	0.140316	0.00237	0.180959	8.40E-05	-0.06631	0.15254
0.0391	0.077591	0.09398	-0.14147	0.00218	-0.02554	0.58195	0.380795	1.46E-17
0.09087	-0.21833	1.91E-06	-0.10662	0.02119	-0.10353	0.02527	-0.20978	4.83E-06
0.35137	-0.0457	0.32442	-0.09106	0.04922	-0.05059	0.27523	-0.13558	0.00333
8.33E-09	0.172783	0.00018	0.28955	1.80E-10	0.30992	7.45E-12	0.287709	2.37E-10
0.04481	-0.03804	0.41219	0.038652	0.40464	0.049812	0.28272	0.243804	9.54E-08
1.00E-09	-0.13189	0.0043	-0.14894	0.00125	-0.24873	5.14E-08	-0.13758	0.00289
0.10012	0.048971	0.29093	0.167002	0.00029	0.100312	0.0302	0.117661	0.01094
0.06944	-0.16985	0.00023	-0.13899	0.00261	-0.1456	0.00161	-0.18341	6.70E-05
0.01465	-0.12634	0.00626	0.049633	0.28446	-0.0068	0.88351	-0.00175	0.96988
0.51058	0.048785	0.29277	-0.03285	0.47877	0.020223	0.66291	0.220218	1.55E-06
0.9475	-0.0845	0.06808	-0.1138	0.01387	-0.09417	0.04194	-0.04222	0.36261
0.06192	-0.1119	0.01555	-0.00123	0.9788	0.00939	0.83962	-0.14068	0.00231
0.11531	0.082281	0.07567	-0.12918	0.00518	-0.06477	0.16232	0.20938	5.04E-06
0.02348	0.264326	6.62E-09	0.040682	0.38041	0.138506	0.0027	0.197099	1.79E-05
8.73E-07	0.383187	8.81E-18	0.412208	1.39E-20	0.399219	2.70E-19	0.302059	2.62E-11
0.00944	-0.25572	2.08E-08	-0.17085	0.00021	-0.196	1.99E-05	-0.12379	0.0074
0.7716	-0.0422	0.36284	0.001571	0.97299	0.009051	0.84533	0.02199	0.6355
0.33473	-0.33853	5.51E-14	-0.13072	0.00466	-0.15186	0.00099	-0.14834	0.0013
0.30456	-0.00056	0.99044	-0.12791	0.00564	-0.08094	0.08059	0.021247	0.64698
1.28E-05	-0.06014	0.1945	-0.28815	2.22E-10	-0.24612	7.15E-08	0.203453	9.37E-06
0.00037	-0.0569	0.21973	0.049963	0.28126	0.100616	0.0297	0.107191	0.02051
0.13523	-0.1154	0.01258	0.051547	0.26627	0.011074	0.81136	0.233749	3.24E-07
3.80E-16	-0.02209	0.63391	0.218586	1.85E-06	0.223138	1.11E-06	-0.04013	0.38685
0.42411	-0.14315	0.00193	-0.00171	0.97052	-0.04609	0.32028	0.039591	0.39332
0.40195	-0.10213	0.02731	-0.16854	0.00025	-0.15756	0.00063	-0.09394	0.04245
0.00148	-0.13919	0.00257	-0.07758	0.09402	-0.19229	2.87E-05	-0.01884	0.68473
0.43292	-0.1718	0.00019	-0.04039	0.38387	-0.0749	0.10596	-0.03615	0.43576
0.02044	-0.07426	0.109	0.051486	0.26684	-0.04243	0.36022	-0.02599	0.57527
0.23887	-0.04253	0.35912	-0.01845	0.69092	-0.03352	0.46986	-0.14994	0.00115
0.2904	-0.13147	0.00443	-0.14209	0.00208	-0.09973	0.03117	-0.16226	0.00043
0.35375	-0.03914	0.39871	-0.03196	0.49085	-0.05435	0.24106	-0.02755	0.55253
0.01254	0.384639	6.47E-18	0.236661	2.29E-07	0.255557	2.13E-08	-0.07267	0.1168
0.21947	-0.03959	0.39329	0.000428	0.99265	-0.04043	0.38341	0.151717	0.00101
0.26394	-0.20667	6.70E-06	-0.02855	0.53826	-0.046	0.32125	0.091978	0.04697
0.49565	0.001658	0.9715	0.071666	0.12197	-0.01067	0.81805	0.002734	0.95302
1.53E-08	0.139256	0.00256	0.28949	1.82E-10	0.251263	3.72E-08	0.077987	0.09231



0.07975	-0.3369	7.38E-14	-0.17362	0.00016	-0.21615	2.43E-06	-0.14237	0.00204
0.0517	-0.3132	4.36E-12	-0.27755	1.05E-09	-0.26577	5.44E-09	0.103921	0.02472
0.00012	-0.23503	2.78E-07	-0.27548	1.41E-09	-0.26797	4.02E-09	-0.18567	5.42E-05
0.86545	-0.13725	0.00296	-0.20423	8.64E-06	-0.1295	0.00507	-0.20067	1.25E-05
1.42E-09	0.192734	2.75E-05	0.37781	2.72E-17	0.299379	3.99E-11	0.355374	2.39E-15
0.69304	0.146659	0.00148	0.036139	0.4359	0.024368	0.59939	0.252692	3.09E-08
0.13505	0.132023	0.00426	0.104828	0.02348	0.076032	0.10079	0.088631	0.05562
0.0008	-0.14871	0.00127	0.012922	0.78063	0.029013	0.53169	0.23961	1.60E-07
0.70343	-0.11269	0.01483	-0.12887	0.00529	-0.10678	0.021	0.06916	0.13561
1.80E-05	0.205725	7.40E-06	0.070965	0.12567	0.169316	0.00024	0.443241	6.78E-24
2.48E-09	0.128126	0.00556	0.079069	0.08786	0.153535	0.00087	0.228932	5.72E-07
0.95265	0.092681	0.04531	0.062959	0.17438	0.04895	0.29114	0.167528	0.00028
0.52409	-0.22999	5.05E-07	-0.01171	0.80076	-0.13031	0.00479	-0.17851	0.00011
0.11379	0.185509	5.50E-05	0.268294	3.85E-09	0.183423	6.69E-05	-0.0099	0.83098
0.0002	-0.16345	0.00039	-0.01137	0.80639	0.010664	0.81821	0.034374	0.45866
0.01416	0.080244	0.08323	0.100217	0.03036	0.108733	0.01875	0.166713	0.0003
0.97785	-0.08127	0.07936	-0.02776	0.54954	0.004779	0.91797	-0.00728	0.8754
0.03015	-0.12574	0.00651	0.079264	0.08708	0.058918	0.20376	0.014388	0.75648
0.00046	0.099368	0.0318	0.175766	0.00013	0.155677	0.00074	0.03009	0.51656
0.61544	-0.25418	2.55E-08	-0.15717	0.00065	-0.16715	0.00029	0.055897	0.22796
0.00396	-0.13838	0.00273	-0.18557	5.47E-05	-0.1804	8.85E-05	-0.15619	0.00071
1.02E-06	-0.10479	0.02353	-0.1548	0.00079	0.005082	0.91278	0.129215	0.00516
0.67781	0.034695	0.45447	0.020246	0.66255	0.016596	0.72057	-0.01621	0.72674
5.00E-06	0.194606	2.29E-05	0.271146	2.59E-09	0.252955	2.99E-08	-0.00585	0.89974
0.80726	0.034346	0.45902	0.037119	0.42355	0.014408	0.75615	-0.01442	0.75594
0.63013	-0.00976	0.83343	-0.16591	0.00032	-0.07789	0.09271	0.180667	8.63E-05
0.97145	0.29024	1.62E-10	0.156464	0.00069	0.132056	0.00425	0.07975	0.08515
0.00108	0.06067	0.19061	0.035883	0.43917	0.099971	0.03077	-0.00251	0.95689
0.72028	0.031965	0.49076	-0.06125	0.18641	-0.05729	0.21654	-0.05841	0.20772
0.06208	-0.05509	0.23475	0.083643	0.07094	0.063601	0.17002	0.13317	0.00394
0.00302	-0.10432	0.02416	-0.16367	0.00038	-0.15482	0.00079	-0.30978	7.62E-12
4.92E-14	-0.18874	4.05E-05	-0.26304	7.88E-09	-0.32428	6.77E-13	-0.19462	2.28E-05
0.09819	-0.05108	0.2706	0.013374	0.77316	0.016762	0.71788	0.08788	0.05774
0.92199	-0.08741	0.0591	-0.005	0.91419	-0.0256	0.58105	-0.20293	9.89E-06
0.00774	-0.09169	0.04768	-0.13309	0.00396	-0.13498	0.00347	0.005163	0.9114
0.23581	-0.01205	0.79516	-0.04106	0.37601	-0.07803	0.09213	0.164455	0.00036
0.81096	-0.25085	3.92E-08	-0.12143	0.00862	-0.10914	0.01831	0.020367	0.66066
1.03E-06	0.274374	1.64E-09	0.060667	0.19063	0.210284	4.57E-06	0.39824	3.36E-19
3.78E-05	-0.00928	0.84154	0.046075	0.32044	0.069668	0.13276	0.238946	1.73E-07
2.11E-09	0.19197	2.96E-05	0.185058	5.74E-05	0.223024	1.13E-06	0.194212	2.38E-05
0.08819	-0.32474	6.26E-13	-0.19227	2.88E-05	-0.19026	3.50E-05	-0.07223	0.11908
0.70397	0.03181	0.49287	0.138571	0.00269	0.104471	0.02396	-0.21736	2.12E-06
0.00107	0.0055	0.90564	0.185576	5.47E-05	0.203687	9.14E-06	0.109161	0.01829
0.00412	-0.32662	4.52E-13	-0.22736	6.86E-07	-0.26008	1.17E-08	0.102623	0.02658
0.00014	0.082946	0.07333	-0.07774	0.09334	0.051285	0.26871	0.414582	8.00E-21

0.40224	-0.20505	7.94E-06	-0.02726	0.55672	-0.02399	0.60506	-0.09757	0.03504
0.22728	0.066661	0.15035	0.058623	0.20604	0.068033	0.14211	0.052858	0.25428
0.22684	0.065074	0.16032	-0.01535	0.74076	0.040921	0.3776	0.04689	0.31195
8.56E-10	0.093914	0.04251	0.420648	1.89E-21	0.297252	5.56E-11	-0.0454	0.32756
1.53E-05	-0.05859	0.20626	0.077139	0.09591	0.103822	0.02485	-0.01535	0.74081
1.22E-05	-0.13586	0.00326	0.000282	0.99515	0.049299	0.28772	0.405186	7.04E-20
1.54E-06	0.06764	0.14444	-0.18242	7.34E-05	-0.13175	0.00434	-0.14868	0.00127
0.05185	-0.03678	0.42775	-0.03494	0.45125	-0.02173	0.63954	0.076477	0.09881
0.00068	0.51188	1.50E-32	0.170774	0.00021	0.267916	4.05E-09	0.192799	2.73E-05
0.00277	0.064892	0.1615	0.078777	0.08904	0.096082	0.03793	0.481869	1.59E-28
9.82E-08	0.210687	4.38E-06	0.080988	0.0804	0.199137	1.46E-05	0.388174	3.04E-18
0.00206	0.216313	2.38E-06	0.290979	1.45E-10	0.277077	1.12E-09	0.073073	0.1148
4.66E-08	0.014653	0.75213	-0.28305	4.72E-10	-0.26664	4.83E-09	-0.12863	0.00537
0.01912	-0.14802	0.00134	-0.14322	0.00192	-0.11314	0.01443	0.021622	0.64118
0.51612	-0.05598	0.22722	-0.02929	0.52783	-0.0357	0.44154	-0.03553	0.44362
0.57532	-0.04568	0.32463	-0.08885	0.05502	-0.04737	0.30696	-0.04723	0.30848
0.01489	0.121482	0.00859	-0.09551	0.03909	-0.05418	0.24262	-0.20739	6.21E-06
0.1486	0.043803	0.34491	0.062763	0.17573	0.052788	0.25491	0.013422	0.77237
0.60039	0.138847	0.00264	0.005667	0.90279	0.043593	0.34723	-0.05676	0.2208
0.81505	-0.05958	0.19875	-0.07007	0.13051	-0.034	0.46359	-0.30037	3.42E-11
0.14165	-0.13704	0.003	-0.02032	0.66139	0.00316	0.9457	-0.16133	0.00047
0.0853	-0.00411	0.92933	0.102185	0.02724	0.10152	0.02826	0.099451	0.03166
0.04217	0.308453	9.44E-12	-0.04726	0.30819	0.106617	0.0212	0.069964	0.13111
0.00896	-0.23882	1.76E-07	-0.10132	0.02858	-0.06316	0.17298	-0.03822	0.40988
0.00015	-0.15453	0.00081	-0.23889	1.75E-07	-0.23816	1.91E-07	0.022976	0.62042
0.06591	0.288464	2.12E-10	0.225619	8.38E-07	0.237682	2.02E-07	0.295169	7.66E-11
0.89263	0.246394	6.90E-08	0.158798	0.00057	0.07924	0.08717	0.024271	0.60086
0.01749	-0.1628	0.00041	0.002881	0.95049	-0.05391	0.2449	-0.01457	0.75349
0.44395	-0.0281	0.54463	-0.16979	0.00023	-0.10107	0.02897	-0.26181	9.30E-09
0.97668	-0.11758	0.01099	-0.01628	0.72565	-0.02587	0.5771	0.036513	0.43116
0.05225	-0.06197	0.18127	-0.04218	0.36315	-0.09394	0.04245	-0.0287	0.53611
0.00134	0.295061	7.79E-11	0.18327	6.79E-05	0.227998	6.37E-07	0.190278	3.49E-05
2.16E-09	0.359683	1.04E-15	0.406923	4.73E-20	0.346877	1.19E-14	0.079029	0.08802
5.17E-12	0.30323	2.18E-11	0.315668	2.90E-12	0.361736	6.96E-16	0.310192	7.12E-12
0.21476	-0.03184	0.49248	-0.11557	0.01245	-0.09978	0.03109	0.052618	0.25645
0.10209	0.196444	1.91E-05	0.032267	0.48667	0.002992	0.94858	-0.0405	0.38249
0.07813	0.288271	2.18E-10	0.050574	0.27541	0.149254	0.00122	0.115666	0.01238
1.77E-07	0.253259	2.87E-08	0.002748	0.95276	0.20505	7.94E-06	0.231636	4.16E-07
0.02418	0.041714	0.36843	0.106756	0.02103	0.013611	0.76925	0.222813	1.15E-06
0.98816	0.065348	0.15857	0.248176	5.51E-08	0.096113	0.03787	0.048953	0.29111
0.00105	-0.41404	9.08E-21	-0.16698	0.00029	-0.25516	2.24E-08	-0.1767	0.00012
0.20434	0.218058	1.96E-06	0.210708	4.37E-06	0.228693	5.88E-07	-0.16569	0.00032
0.01696	0.352561	4.09E-15	0.434441	6.40E-23	0.314616	3.45E-12	0.109118	0.01833
0.01014	-0.11295	0.0146	0.04498	0.33209	-0.07272	0.11659	-0.11571	0.01234
0.1301	-0.19698	1.81E-05	0.041628	0.36942	-0.01713	0.71194	-0.01865	0.68765

1.20E-05	0.060155	0.19441	-0.07296	0.11534	0.062957	0.1744	0.0176	0.70444
2.33E-08	0.124252	0.00718	0.132353	0.00417	0.175034	0.00014	-0.05081	0.27322
0.00021	-0.0786	0.08975	-0.04394	0.34335	-0.09056	0.05048	0.034964	0.45097
0.36011	-0.08462	0.06769	0.011071	0.8114	0.021623	0.64115	0.050951	0.27184
0.08387	-0.02411	0.6033	-0.07714	0.0959	0.007601	0.86986	-0.02419	0.60207
0.9372	-0.11275	0.01478	-0.06301	0.174	-0.05585	0.22837	0.023957	0.60557
0.12067	-0.01729	0.7094	0.053925	0.24481	0.064879	0.16159	0.051715	0.26471
0.60436	-0.06752	0.14517	-0.02947	0.52523	-0.06352	0.17053	0.027724	0.55008
0.8571	-0.07373	0.11158	-0.04229	0.36188	-0.02533	0.58513	0.089812	0.05243
0.39136	-0.06112	0.18736	-0.03889	0.40178	-0.07558	0.10285	0.01568	0.7354
0.81998	-0.09507	0.04002	0.015591	0.73683	-0.03617	0.43556	0.007134	0.8778
0.01236	0.053122	0.25192	0.09507	0.04001	0.10847	0.01904	0.027131	0.55866
0.60662	-0.08623	0.06261	-0.00643	0.88977	-0.0166	0.72056	0.026491	0.56798
0.17081	-0.14116	0.00223	-0.12706	0.00597	-0.16969	0.00023	0.002509	0.95687
0.25563	-0.0873	0.05941	-0.06152	0.18448	-0.06881	0.13761	0.122306	0.00815
0.82778	-0.13573	0.00329	-0.04409	0.34173	-0.03232	0.48596	0.130677	0.00468
0.02914	-0.07762	0.09385	-0.03978	0.39106	-0.08715	0.05985	-0.0276	0.5519
0.31818	-0.20628	6.98E-06	-0.08605	0.06316	-0.05954	0.19901	0.022103	0.63377
0.00965	-0.09679	0.03654	0.012075	0.79467	0.031147	0.50193	0.053404	0.2494
0.13963	-0.0675	0.14525	-0.07032	0.12917	-0.09115	0.04899	0.332423	1.64E-13
4.72E-09	0.356683	1.86E-15	0.342912	2.48E-14	0.346833	1.20E-14	0.331572	1.91E-13
0.01202	0.057577	0.21426	0.112462	0.01504	0.097739	0.03472	-0.10778	0.01982
0.71352	0.067378	0.146	0.075585	0.10281	0.069238	0.13517	-0.13196	0.00428
0.01144	0.007663	0.86883	-1.22E-05	0.99979	0.042434	0.36022	0.147762	0.00136
6.26E-05	-0.1005	0.02989	-0.20617	7.06E-06	-0.21732	2.13E-06	-0.17403	0.00016
0.36014	-0.10479	0.02353	-0.03692	0.4261	-0.07071	0.12705	0.127696	0.00572
7.22E-08	-0.22691	7.22E-07	-0.25542	2.17E-08	-0.28298	4.77E-10	-0.30575	1.46E-11
0.54293	0.050159	0.27938	-0.13433	0.00363	-0.0563	0.22457	0.205291	7.74E-06
0.28406	0.00072	0.98763	-0.01203	0.79547	0.022559	0.62679	0.022509	0.62754
0.02024	-0.03557	0.44314	-0.14394	0.00182	-7.03E-05	0.99879	0.024294	0.60051
5.43E-07	-0.02956	0.52393	0.039433	0.39521	0.092863	0.04488	0.130277	0.00481
2.05E-05	-0.15041	0.00111	0.036826	0.42723	0.090988	0.0494	0.17717	0.00012
8.12E-05	0.142241	0.00206	0.200889	1.22E-05	0.198963	1.48E-05	0.062772	0.17566
1.52E-08	-0.12922	0.00516	0.101275	0.02865	0.125977	0.00641	0.219387	1.70E-06
0.12544	0.062057	0.18065	0.236794	2.25E-07	0.180787	8.54E-05	-0.03677	0.42789
0.01207	0.144672	0.00172	0.205125	7.88E-06	0.161593	0.00046	0.199885	1.35E-05
0.09519	-0.21419	3.00E-06	0.101422	0.02841	0.018158	0.69552	0.043083	0.3529
0.71088	0.262278	8.73E-09	0.271446	2.48E-09	0.146452	0.00151	-0.01569	0.73521
0.00025	0.276908	1.15E-09	0.256657	1.84E-08	0.255613	2.11E-08	0.044322	0.33922
0.58839	-0.04866	0.29398	-0.00891	0.84773	-0.01157	0.803	-0.05429	0.24162
0.29507	0.072909	0.11561	-0.04194	0.36588	-0.04369	0.34618	0.028985	0.53209
0.00479	0.211219	4.14E-06	0.233326	3.41E-07	0.186784	4.88E-05	0.025165	0.58751
0.00023	0.305403	1.54E-11	0.06391	0.16795	0.171592	0.00019	0.234853	2.84E-07
0.27547	-0.05221	0.26019	-0.05609	0.22634	-0.07021	0.12975	0.03011	0.51628
0.02452	-0.17117	0.0002	-0.21797	1.98E-06	-0.05219	0.26031	-0.1316	0.00439

0.50257	-0.02306	0.61917	-0.0304	0.51221	-0.02807	0.54514	0.010208	0.82586
0.88277	-0.01766	0.70348	0.026866	0.56251	0.01837	0.69215	0.009109	0.84435
0.53899	-0.06687	0.14905	-0.06651	0.15125	-0.04358	0.34742	0.006061	0.89607
0.04355	-0.17441	0.00015	-0.14185	0.00212	-0.12532	0.0067	-0.03931	0.39665
0.00021	0.422782	1.13E-21	0.116543	0.01172	0.189883	3.63E-05	-0.04284	0.35561
0.103	-0.13687	0.00304	-0.10948	0.01795	-0.04629	0.31815	-0.06258	0.17701
0.00014	-0.34274	2.56E-14	-0.22344	1.07E-06	-0.24657	6.75E-08	-0.11898	0.01007
0.07275	-0.26076	1.07E-08	-0.10252	0.02674	-0.16902	0.00024	-0.06203	0.18083
0.03059	0.084367	0.06852	0.100388	0.03008	0.065916	0.15497	-0.06551	0.15754
0.52089	0.040728	0.37987	0.115143	0.01278	0.068872	0.13725	-0.0917	0.04764
0.04446	0.007892	0.86494	-0.0232	0.61705	0.069044	0.13627	0.024248	0.6012
0.58941	-0.17948	9.62E-05	-0.07861	0.08974	-0.10811	0.01945	-0.15771	0.00063
0.00884	-0.14536	0.00163	-0.13761	0.00288	-0.05875	0.20507	0.266878	4.67E-09
1.01E-06	-0.1133	0.0143	-0.0745	0.10787	0.085202	0.06582	0.079169	0.08746
0.04018	0.107433	0.02023	0.1936	2.53E-05	0.187164	4.70E-05	0.14228	0.00206
0.14623	0.135282	0.0034	-0.1281	0.00557	-0.00572	0.90197	-0.21612	2.43E-06
0.00041	0.182084	7.58E-05	0.005716	0.90195	0.104406	0.02405	0.320377	1.32E-12
0.00562	0.129528	0.00506	0.125841	0.00647	0.112277	0.0152	-0.02183	0.63799
0.27	-0.02405	0.60416	0.037008	0.42493	0.009636	0.83548	0.002083	0.9642
0.20779	0.043758	0.34541	0.068074	0.14187	0.047414	0.30656	-0.02117	0.64821
0.07092	0.128127	0.00556	0.013274	0.77481	0.065413	0.15816	0.490243	1.31E-29
0.48256	-0.24461	8.63E-08	-0.15928	0.00055	-0.12247	0.00806	0.149557	0.00119
2.58E-05	-0.22207	1.25E-06	-0.00402	0.93099	0.034119	0.46201	0.326041	5.00E-13
0.23156	-0.10596	0.02202	0.014307	0.7578	-0.00865	0.85209	-0.10931	0.01813
0.17741	0.043424	0.34911	0.042556	0.35883	0.071967	0.12041	0.229384	5.42E-07
0.17676	0.068751	0.13794	-0.01097	0.81313	0.036996	0.4251	0.051305	0.26852
0.77173	0.297833	5.08E-11	0.246316	6.97E-08	0.159219	0.00055	0.11207	0.01539
0.1183	0.145109	0.00167	0.083331	0.072	0.097144	0.03585	0.278539	9.08E-10
3.68E-10	-0.04817	0.29889	-0.31897	1.67E-12	-0.27371	1.81E-09	0.099195	0.0321
0.00426	-0.08168	0.07785	-0.05909	0.20243	-0.08241	0.07522	0.177958	0.00011
0.81737	0.051551	0.26623	0.242897	1.07E-07	0.066093	0.15386	0.110685	0.01672
0.82036	0.054547	0.2394	-0.02709	0.5592	0.017996	0.69811	0.032224	0.48725
0.01419	0.383648	7.99E-18	0.02032	0.66139	0.136934	0.00302	0.080441	0.08248
1.49E-05	0.227209	6.98E-07	0.201465	1.15E-05	0.23544	2.65E-07	0.201267	1.17E-05
1.34E-15	0.247591	5.93E-08	0.275472	1.41E-09	0.327735	3.73E-13	0.292335	1.18E-10
0.41409	0.151725	0.00101	-0.24083	1.38E-07	-0.10639	0.02148	0.083319	0.07204
0.10425	0.255338	2.19E-08	-0.07668	0.09791	0.072231	0.11905	0.214046	3.05E-06
0.08274	-0.08832	0.05649	-0.01615	0.7278	-0.03604	0.43711	0.13677	0.00306
0.44286	-0.03227	0.4866	0.024056	0.60409	-0.05982	0.19691	0.068578	0.13894
0.53298	-0.02028	0.66199	0.01897	0.68263	-0.01668	0.71919	-0.01786	0.70026
0.51501	0.022458	0.62833	0.016503	0.72206	0.01758	0.70474	-0.02422	0.60164
0.30364	-0.16269	0.00042	0.001655	0.97155	0.024587	0.59613	-0.02293	0.6211
0.25553	-0.03548	0.44437	-0.0436	0.3471	-0.01671	0.71877	-0.10765	0.01997
0.09269	-0.25284	3.03E-08	-0.12084	0.00895	-0.09787	0.03449	-0.05301	0.25291
2.36E-06	-0.19751	1.71E-05	-0.18859	4.11E-05	-0.23993	1.54E-07	-0.20114	1.19E-05

0.91132	-0.0298	0.52058	0.068752	0.13794	0.037886	0.41403	-0.03324	0.47365
3.54E-12	-0.1398	0.00246	-0.31847	1.81E-12	-0.31059	6.68E-12	0.118836	0.01016
0.00143	-0.05317	0.25146	-0.00156	0.97318	0.060762	0.18994	-0.1444	0.00176
0.00933	0.126856	0.00605	0.08551	0.06485	0.044278	0.3397	0.155309	0.00076
5.22E-08	0.340119	4.13E-14	0.265558	5.60E-09	0.312746	4.69E-12	0.158679	0.00058
0.40675	0.157863	0.00062	-0.06493	0.16127	-0.03308	0.47576	-0.00055	0.99053
0.4334	-0.0847	0.06743	-0.05386	0.24535	-0.07284	0.11595	0.075903	0.10137
0.46467	0.032066	0.48939	-0.11693	0.01145	-0.03283	0.4791	-0.03296	0.47742
0.03125	-0.08193	0.07694	-0.02983	0.52024	-0.01812	0.69615	0.278185	9.56E-10
0.72827	0.048432	0.29629	0.095664	0.03878	0.062785	0.17558	0.130833	0.00463
0.00045	0.231658	4.15E-07	0.092013	0.04689	0.198852	1.50E-05	0.065929	0.15489
0.00054	-0.02653	0.56737	-0.23244	3.79E-07	-0.17994	9.22E-05	0.322257	9.56E-13
9.43E-13	0.056783	0.22066	0.112296	0.01519	0.131281	0.00449	0.149753	0.00117
0.44096	-0.21604	2.45E-06	0.007615	0.86964	-0.03152	0.49683	0.008831	0.84905
0.01007	0.186785	4.88E-05	-0.01768	0.70319	0.105311	0.02284	0.299733	3.78E-11
0.89456	0.086912	0.06056	0.051433	0.26733	0.050878	0.27253	0.016032	0.72968
0.90157	0.014113	0.76099	-0.00994	0.83034	0.002313	0.96024	0.050294	0.27808
4.67E-05	-0.16064	0.00049	0.005222	0.91039	0.055267	0.23324	0.164714	0.00035
0.26088	0.0633	0.17206	0.115106	0.01281	0.100335	0.03017	-0.05205	0.26158
0.00042	-0.0513	0.26855	0.027758	0.5496	0.100073	0.0306	0.001967	0.96618
0.00384	-0.07097	0.12567	-0.00894	0.84729	0.028349	0.54112	-0.08602	0.06325
0.0195	0.079515	0.08608	0.167156	0.00029	0.128737	0.00533	0.089558	0.0531
0.13256	-0.03401	0.46338	-0.01655	0.72138	0.005555	0.90471	-0.16691	0.00029
8.13E-05	-0.20797	5.85E-06	-0.01228	0.79126	0.04506	0.33123	0.247513	5.99E-08
0.00027	0.084553	0.06791	0.038593	0.40536	0.114622	0.01319	0.389054	2.52E-18
0.01146	-0.1628	0.00041	-0.12008	0.00939	-0.0438	0.34497	0.132691	0.00407
0.70891	-0.00298	0.94873	-0.03723	0.42222	-0.04311	0.35261	-0.29671	6.05E-11
0.00726	-0.14621	0.00153	-0.10227	0.0271	-0.02739	0.55489	-0.23175	4.11E-07
0.00015	0.007453	0.87238	-0.21075	4.35E-06	-0.16503	0.00034	-0.15866	0.00058
0.79623	-0.07947	0.08626	-0.01775	0.70198	-0.0231	0.61861	0.012424	0.78886
0.51912	-0.07221	0.11916	0.027948	0.54686	0.022469	0.62816	0.020442	0.65948
0.00376	-0.29714	5.65E-11	0.012242	0.7919	-0.01455	0.75385	0.029082	0.53072
0.1497	-0.05782	0.2123	0.060242	0.19376	0.058799	0.20467	0.007365	0.87389
0.26286	-0.10379	0.0249	0.046363	0.31743	0.025392	0.58415	-0.03424	0.46041
0.70883	-0.07863	0.08963	0.045071	0.33111	0.036248	0.43452	0.024265	0.60095
0.36412	-0.06676	0.14975	-0.088	0.0574	-0.07777	0.09322	0.345526	1.53E-14
0.03133	-0.00348	0.94017	-0.07829	0.09106	-0.05433	0.24128	-0.08678	0.06096
0.21947	-0.2587	1.41E-08	-0.12347	0.00756	-0.16325	0.0004	0.099203	0.03209
0.043	-0.14568	0.0016	-0.15463	0.0008	-0.14759	0.00138	0.091706	0.04763
0.80604	-0.19187	2.99E-05	-0.07212	0.1196	-0.04201	0.36498	-0.09413	0.04203
1.46E-05	0.278233	9.49E-10	0.213881	3.11E-06	0.277812	1.01E-09	0.074088	0.10983
0.26974	-0.29959	3.86E-11	-0.03151	0.49698	-0.1057	0.02234	0.036342	0.43333
0.26208	0.101479	0.02832	0.265574	5.59E-09	0.152785	0.00093	0.120567	0.00911
0.87187	-0.05364	0.24734	-0.07554	0.10301	-0.04722	0.30851	0.065393	0.15828
0.33366	0.09638	0.03734	-0.14389	0.00183	-0.02393	0.60592	0.262581	8.38E-09

0.11322	-0.05007	0.28026	0.023113	0.61835	-0.01057	0.81972	-0.0071	0.87843
0.60682	0.095385	0.03935	0.075937	0.10122	0.03017	0.51545	0.000116	0.99801
2.34E-12	0.348741	8.42E-15	0.242917	1.07E-07	0.322871	8.61E-13	0.260241	1.15E-08
9.16E-05	-0.20119	1.18E-05	-0.18188	7.72E-05	-0.22591	8.11E-07	-0.01894	0.68313
0.00219	-0.07058	0.12772	-0.10161	0.02811	-0.15349	0.00088	-0.23411	3.11E-07
0.00013	0.083425	0.07168	0.263183	7.73E-09	0.207905	5.89E-06	0.057023	0.21871
0.00422	-0.09166	0.04773	-0.09492	0.04033	-0.02639	0.5694	0.009218	0.84252
0.31351	0.056881	0.21985	-0.02046	0.65924	-0.00477	0.91809	0.217469	2.10E-06
0.48213	0.001129	0.98059	0.06718	0.14719	0.063152	0.17306	-0.00439	0.92467
0.39283	0.250849	3.92E-08	-0.09001	0.05192	0.022037	0.63479	0.271846	2.35E-09
0.11712	-0.03183	0.49254	-0.11284	0.0147	-0.05217	0.26054	0.088776	0.05522
2.00E-10	-0.01133	0.80704	-0.0751	0.10504	0.107822	0.01977	0.092883	0.04484
6.34E-05	0.005546	0.90486	-0.0647	0.16277	0.003306	0.94319	-0.02382	0.60761
1.56E-07	0.20241	1.04E-05	0.009934	0.83047	0.178089	0.00011	0.169646	0.00023
0.12967	-0.03077	0.50711	-0.06003	0.19535	-0.0277	0.5505	0.265876	5.36E-09
0.06505	-0.1443	0.00177	-0.03617	0.43546	-0.02878	0.535	-0.1057	0.02235
0.00823	0.000597	0.98973	-0.01497	0.74689	-0.00365	0.93728	-0.1386	0.00269
0.15457	0.039647	0.39265	-0.1134	0.01421	-0.05399	0.24425	0.442442	8.34E-24
0.00038	-0.21692	2.23E-06	-0.20366	9.17E-06	-0.22223	1.23E-06	-0.2658	5.42E-09
2.91E-10	-0.06302	0.17398	0.180782	8.54E-05	0.187387	4.61E-05	-0.09281	0.045
0.34765	-0.0546	0.23892	-0.09547	0.03918	-0.10368	0.02505	0.312354	5.00E-12
0.0023	0.263568	7.34E-09	0.333742	1.30E-13	0.246008	7.24E-08	-0.03038	0.51251
0.02002	-0.3121	5.22E-12	-0.21441	2.93E-06	-0.23063	4.69E-07	-0.22101	1.41E-06
2.42E-17	-0.22466	9.36E-07	-0.41621	5.44E-21	-0.38372	7.87E-18	-0.03197	0.49075
0.37127	-0.04668	0.31412	-0.01777	0.7017	-0.00554	0.90493	0.042445	0.36009
0.33054	-0.36429	4.21E-16	-0.21293	3.44E-06	-0.19046	3.43E-05	0.001717	0.97047
2.42E-06	0.053528	0.24831	0.138629	0.00268	0.176131	0.00013	0.012183	0.79287
0.06208	-0.12202	0.0083	-0.08627	0.06248	-0.08229	0.07564	-0.04066	0.38069
5.99E-17	-0.02187	0.63728	0.140195	0.00239	0.196874	1.83E-05	0.108049	0.01952
0.01549	0.069844	0.13178	0.081558	0.07829	0.091097	0.04913	0.074145	0.10956
0.00419	0.10607	0.02188	0.081054	0.08016	0.120779	0.00898	0.01937	0.67631
0.74606	-0.09071	0.0501	-0.02768	0.55079	-0.05556	0.23076	-0.04716	0.3092
0.34684	-0.02415	0.60265	0.01334	0.77371	-0.00893	0.84741	0.03194	0.4911
0.09293	0.036269	0.43425	0.019755	0.67026	0.034295	0.45969	-0.0088	0.84957
0.0276	-0.35361	3.36E-15	-0.26138	9.85E-09	-0.25944	1.28E-08	-0.21532	2.66E-06
0.43577	-0.06118	0.18689	-0.14271	0.00199	-0.07954	0.08597	-0.28681	2.71E-10
3.45E-21	0.261739	9.39E-09	0.035898	0.43897	0.242603	1.11E-07	0.446338	3.03E-24
0.28642	-0.03492	0.45153	0.007418	0.87297	0.019951	0.66717	0.30041	3.40E-11
5.88E-05	-0.04204	0.36468	0.121501	0.00858	0.121477	0.00859	-0.08294	0.07335
0.01643	-0.13122	0.00451	0.100278	0.03026	0.0591	0.20236	0.000958	0.98353
0.43021	-0.30827	9.73E-12	-0.17204	0.00019	-0.16188	0.00044	-0.24833	5.40E-08
0.07731	-0.30142	2.90E-11	-0.32796	3.59E-13	-0.27512	1.48E-09	0.1527	0.00093
1.32E-05	0.097847	0.03452	0.133517	0.00385	0.11339	0.01422	0.116163	0.012
9.95E-07	-0.25389	2.65E-08	-0.20618	7.06E-06	-0.25576	2.07E-08	-0.11334	0.01426
0.00046	0.142433	0.00203	-0.02427	0.60086	0.098402	0.03351	-0.11666	0.01164

0.04093	0.140785	0.00229	0.226086	7.94E-07	0.146485	0.0015	0.013182	0.77633
0.00653	-0.19274	2.75E-05	-0.09064	0.05029	-0.17036	0.00022	-0.03567	0.44187
0.26101	0.062691	0.17623	0.091435	0.04829	0.012276	0.79133	-0.19827	1.59E-05
0.01178	0.269583	3.22E-09	0.103824	0.02485	0.137944	0.00281	-0.01178	0.79962
0.20075	-0.05992	0.19614	0.022012	0.63516	0.023761	0.60853	0.087009	0.06027
1.47E-09	0.438074	2.55E-23	0.186456	5.03E-05	0.29466	8.28E-11	0.270503	2.83E-09
0.13178	-0.33304	1.47E-13	-0.12511	0.00679	-0.16691	0.00029	-0.18576	5.38E-05
0.00132	-0.40627	5.50E-20	-0.19281	2.73E-05	-0.24163	1.25E-07	-0.13554	0.00334
0.08158	-0.04542	0.3274	-0.07053	0.12799	-0.09637	0.03736	-0.07247	0.11782
3.19E-11	0.159493	0.00054	0.042012	0.36502	0.217031	2.20E-06	0.089847	0.05234
6.87E-10	0.196601	1.88E-05	-0.04646	0.31645	0.168265	0.00026	0.070521	0.12806
1.25E-17	0.164042	0.00037	0.072483	0.11776	0.266506	4.92E-09	0.125862	0.00646
0.00011	0.089584	0.05304	0.140066	0.00242	0.194102	2.40E-05	-0.10416	0.02439
0.00356	-0.09364	0.04312	-0.10281	0.02631	-0.00227	0.96104	-0.07172	0.12168
3.67E-05	-0.26637	5.01E-09	-0.23648	2.34E-07	-0.23651	2.33E-07	-0.01816	0.69543
0.00018	0.153591	0.00087	0.21258	3.58E-06	0.242502	1.12E-07	0.134691	0.00354
0.01169	0.015525	0.7379	-0.10307	0.02593	-0.09842	0.03348	-0.07492	0.1059
0.22111	-0.09448	0.04127	0.023308	0.61537	0.010417	0.82236	-0.08991	0.05216
0.20527	-0.11941	0.0098	0.251356	3.67E-08	0.002018	0.96531	-0.14113	0.00224
0.01664	-0.32722	4.08E-13	-0.17777	0.00011	-0.21665	2.29E-06	-0.15654	0.00069
0.70069	-0.0523	0.25933	-0.27186	2.34E-09	-0.12305	0.00777	-0.16932	0.00024
4.95E-07	0.066841	0.14925	0.18459	6.00E-05	0.179255	9.82E-05	0.311299	5.95E-12
0.01081	-0.15451	0.00081	-0.12954	0.00505	-0.17265	0.00018	-0.1865	5.01E-05
0.16028	-0.05002	0.2807	-0.02518	0.58731	0.009092	0.84465	-0.20152	1.14E-05
0.19353	-0.14427	0.00177	-0.11632	0.01189	-0.06616	0.15346	-0.02463	0.59541
3.05E-11	0.224847	9.16E-07	0.22625	7.80E-07	0.292696	1.12E-10	0.289164	1.91E-10
7.94E-23	0.224795	9.21E-07	0.153648	0.00086	0.370505	1.21E-16	0.109151	0.0183
0.57592	-0.14812	0.00133	-0.07334	0.11347	-0.05393	0.24477	-0.20016	1.31E-05
0.00649	-0.02742	0.5545	0.094025	0.04226	0.097115	0.0359	0.06983	0.13185
0.00756	-0.16128	0.00047	0.07749	0.09441	0.057274	0.21669	0.060258	0.19365
0.36839	-0.04216	0.36331	-0.06839	0.14003	-0.05649	0.22301	0.405572	6.45E-20
0.95641	0.09371	0.04296	0.044247	0.34004	-0.03125	0.50048	-0.05763	0.21382
0.19339	0.086783	0.06094	0.06683	0.14931	0.046584	0.31512	-0.00332	0.94295
0.00334	-0.21842	1.89E-06	-0.07874	0.0892	-0.19145	3.12E-05	-0.07678	0.09746
2.69E-37	0.336449	8.01E-14	0.17521	0.00014	0.453394	4.69E-25	0.179282	9.80E-05
9.50E-18	0.26363	7.27E-09	0.293441	9.98E-11	0.380036	1.71E-17	0.001652	0.97159
9.57E-06	-0.03519	0.44801	-0.11786	0.0108	-0.15286	0.00092	0.006248	0.89288
0.09118	0.019145	0.67986	0.060864	0.18919	0.045539	0.32611	0.001836	0.96843
0.73964	-0.15217	0.00097	0.001421	0.97557	-0.04716	0.30916	-0.00102	0.98242
0.00027	-0.22736	6.86E-07	-0.12265	0.00797	-0.20812	5.75E-06	-0.18332	6.75E-05
0.95583	-0.21592	2.49E-06	-0.06409	0.16675	-0.07536	0.10386	0.031306	0.49975
0.55208	-0.34054	3.83E-14	-0.15405	0.00084	-0.15747	0.00064	-0.00857	0.85342
0.47981	0.135215	0.00342	-0.0127	0.78433	0.045591	0.32556	-0.03898	0.40061
2.24E-09	0.150072	0.00114	0.043636	0.34676	0.187371	4.61E-05	-0.05559	0.23052
0.9165	0.050149	0.27947	0.112819	0.01472	0.08072	0.08141	-0.02503	0.58954

1.85E-20	0.218728	1.82E-06	0.196692	1.86E-05	0.315688	2.89E-12	0.314881	3.30E-12
0.14697	0.038013	0.41247	-0.02795	0.54683	0.04521	0.32962	-0.09442	0.04139
8.61E-20	0.263451	7.45E-09	0.335834	8.95E-14	0.421251	1.64E-21	0.14613	0.00154
0.01257	0.165693	0.00032	-0.01442	0.75599	0.024463	0.59798	0.139842	0.00246
2.22E-08	0.207104	6.40E-06	0.226101	7.93E-07	0.287011	2.63E-10	-0.23756	2.05E-07
0.00012	-0.07749	0.09441	0.115169	0.01276	0.074117	0.10969	-0.07117	0.12461
0.001	-0.20562	7.48E-06	-0.15494	0.00078	-0.18979	3.66E-05	-0.05444	0.24033
0.02575	-0.10396	0.02466	-0.0757	0.10227	-0.11668	0.01163	-0.33098	2.11E-13
0.29534	-0.15007	0.00114	-0.08321	0.0724	-0.09652	0.03707	-0.2286	5.94E-07
0.00737	-0.013	0.77932	-0.14953	0.00119	-0.03852	0.40621	-0.21535	2.65E-06
0.21921	-0.15388	0.00085	0.066764	0.14972	0.011171	0.80974	-0.06992	0.13135
1.88E-10	0.484334	7.70E-29	0.385091	5.88E-18	0.404813	7.66E-20	0.288322	2.16E-10
0.00054	-0.12307	0.00775	-0.11391	0.01377	-0.15232	0.00096	-0.23344	3.36E-07
0.69889	-0.08818	0.05688	-0.05073	0.27397	-0.03433	0.45922	0.030955	0.50457
1.59E-05	0.112384	0.01511	0.266062	5.23E-09	0.246628	6.70E-08	0.037847	0.41451
0.00175	0.031359	0.49903	0.094676	0.04085	0.144588	0.00173	-0.015	0.74654
0.00213	0.146879	0.00146	0.061242	0.18646	0.105874	0.02212	-0.03327	0.47329
0.0006	-0.25727	1.70E-08	-0.19398	2.43E-05	-0.24124	1.31E-07	0.038539	0.40603
0.308	0.039243	0.3975	0.070229	0.12965	0.078286	0.09106	0.008778	0.84995
1.35E-06	-0.11148	0.01595	0.009871	0.83153	0.059521	0.19916	0.035954	0.43826
6.17E-07	-0.18755	4.53E-05	-0.10563	0.02243	0.009586	0.83632	0.391785	1.39E-18
0.00073	0.044257	0.33992	-0.29629	6.44E-11	-0.20459	8.33E-06	-0.12473	0.00696
0.82065	0.28686	2.69E-10	0.221231	1.38E-06	0.170014	0.00022	-0.10524	0.02294
0.82122	0.244744	8.49E-08	0.125145	0.00677	0.129434	0.00509	-0.1283	0.00549
6.46E-09	-0.06728	0.14662	-0.22506	8.94E-07	-0.21923	1.73E-06	-0.03437	0.45875
0.01007	-0.03506	0.44973	-0.04768	0.30383	-0.06447	0.16424	-0.08545	0.06504
0.12346	0.291693	1.30E-10	0.211055	4.21E-06	0.148917	0.00125	0.318947	1.67E-12
7.18E-06	-0.05655	0.22256	-0.1352	0.00342	-0.15304	0.00091	-0.19653	1.89E-05
0.02952	0.036296	0.43391	0.052755	0.25521	0.005119	0.91215	-0.05556	0.23076
0.02039	-0.0445	0.33728	-0.01304	0.77859	-0.04675	0.31341	-0.1275	0.0058
0.67597	0.165918	0.00032	0.178797	0.0001	0.110344	0.01706	0.060928	0.18873
4.27E-09	-0.06539	0.15832	-0.06277	0.17567	-0.16735	0.00028	-0.23146	4.25E-07
0.90422	0.214311	2.96E-06	0.113072	0.01449	0.110818	0.01659	0.040569	0.38173
0.01028	0.033079	0.47577	-0.01289	0.7811	-0.0083	0.85802	-0.07434	0.10863
1.39E-07	0.319143	1.62E-12	0.280642	6.70E-10	0.326887	4.32E-13	0.084124	0.06933
0.43858	0.21391	3.10E-06	0.068031	0.14213	0.122929	0.00783	0.130608	0.0047
0.14152	0.30644	1.31E-11	0.075786	0.1019	0.152744	0.00093	0.118118	0.01063
0.00718	0.296567	6.18E-11	0.337608	6.51E-14	0.307295	1.14E-11	0.069423	0.13412
0.00587	-0.10837	0.01916	-0.14827	0.00131	-0.14217	0.00207	-0.09196	0.04702
0.38851	0.017007	0.71395	0.175905	0.00013	0.129926	0.00492	-0.00539	0.9075
0.00133	-0.00204	0.96494	-0.0051	0.91253	-0.04923	0.28841	-0.04085	0.37844
0.28249	0.068508	0.13934	0.061691	0.18324	0.08974	0.05262	2.08E-05	0.99964
0.10152	-0.00644	0.88955	0.043738	0.34562	-0.00635	0.8911	-0.17822	0.00011
0.03907	0.09403	0.04225	-0.03259	0.48233	-0.00669	0.88543	-0.04972	0.28361
0.5738	0.192412	2.84E-05	0.191906	2.98E-05	0.109171	0.01828	0.071797	0.12129



0.08406	0.124302	0.00716	0.035402	0.44532	0.043787	0.34508	-0.24554	7.68E-08
0.88269	0.252611	3.12E-08	0.237922	1.96E-07	0.188204	4.26E-05	-0.04688	0.312
9.41E-05	0.01662	0.72018	-0.07023	0.12964	-0.09982	0.03102	-0.19574	2.05E-05
0.05998	0.094313	0.04163	0.020276	0.66209	0.003097	0.94679	-0.03815	0.41074
0.56569	0.188607	4.10E-05	0.023285	0.61572	0.111154	0.01626	0.065267	0.15909
0.01295	0.191943	2.97E-05	0.125169	0.00676	0.136301	0.00316	0.135757	0.00329
0.0041	0.156149	0.00071	0.256015	2.01E-08	0.235196	2.73E-07	0.011717	0.80063
0.11923	0.206356	6.93E-06	0.174555	0.00015	0.11218	0.01529	-0.00765	0.86904
0.00515	0.10798	0.01959	0.019305	0.67734	-0.02861	0.53737	-0.15214	0.00097
0.68497	0.212839	3.48E-06	0.109196	0.01825	0.100428	0.03001	-0.03971	0.39193
0.15858	0.303468	2.10E-11	0.195312	2.13E-05	0.211879	3.86E-06	0.045104	0.33076
1.39E-06	-0.10102	0.02906	-0.09879	0.03281	-0.14155	0.00217	-0.14307	0.00194
0.81584	0.148635	0.00128	-0.02003	0.66597	0.059049	0.20275	-0.02028	0.66208
0.11836	0.020625	0.65663	0.028671	0.53654	-0.00515	0.91162	0.033207	0.47406
0.44245	0.342067	2.90E-14	0.251782	3.48E-08	0.241392	1.29E-07	0.044964	0.33226
0.31045	0.246037	7.22E-08	0.100104	0.03055	0.114607	0.0132	0.01432	0.75759
0.0244	0.078726	0.08925	-0.01745	0.70677	-0.02444	0.59839	0.018418	0.69138
3.11E-06	-0.01798	0.69835	-0.11684	0.01151	-0.12535	0.00668	-0.12282	0.00788
0.03819	0.082584	0.0746	0.072837	0.11597	0.027783	0.54924	-0.08368	0.07082
0.00772	0.129279	0.00514	-0.004	0.93134	0.004496	0.9228	0.023422	0.61366
0.91879	0.279282	8.16E-10	0.212019	3.80E-06	0.186983	4.79E-05	-0.00116	0.98013
0.15849	0.229343	5.45E-07	0.209068	5.21E-06	0.185519	5.50E-05	0.009053	0.8453
0.00094	0.331446	1.95E-13	0.226232	7.81E-07	0.281005	6.36E-10	0.100575	0.02977
0.01439	0.171976	0.00019	0.18444	6.08E-05	0.200493	1.27E-05	0.04963	0.28449
0.62087	0.184813	5.87E-05	0.136955	0.00302	0.152609	0.00094	0.012089	0.79444
0.27065	0.076746	0.09762	0.102964	0.02608	0.064808	0.16205	-0.30686	1.22E-11
0.06054	0.160913	0.00048	0.056612	0.22205	0.044163	0.34095	-0.03568	0.44178
0.6167	0.218288	1.92E-06	0.131835	0.00432	0.14997	0.00115	0.036876	0.42659
1.66E-05	0.044187	0.34069	-0.00505	0.91336	-0.06718	0.14719	-0.02161	0.64132
1.26E-11	-0.20053	1.26E-05	-0.14364	0.00186	-0.26169	9.45E-09	-0.19888	1.49E-05
0.68645	0.081316	0.07918	-0.01032	0.82393	0.024456	0.59808	-0.0111	0.81094
0.00019	0.351962	4.59E-15	0.234825	2.85E-07	0.288552	2.09E-10	0.031193	0.5013
0.04218	0.02956	0.52397	-0.16051	0.0005	-0.1018	0.02783	-0.20828	5.66E-06
0.01325	0.02964	0.52285	0.013675	0.7682	-0.03751	0.41862	-0.16546	0.00033
0.38521	0.233043	3.53E-07	0.106562	0.02127	0.115254	0.01269	-0.00482	0.9172
0.30902	0.189038	3.93E-05	0.136036	0.00322	0.117643	0.01095	0.009819	0.83239
0.61311	0.213471	3.25E-06	0.159359	0.00055	0.132616	0.00409	-0.00982	0.83244
0.37347	0.116697	0.01161	0.160338	0.0005	0.098756	0.03287	0.010066	0.82825
0.59565	0.116415	0.01182	0.092265	0.04629	0.076391	0.09919	-0.00226	0.96112
0.05991	0.318233	1.89E-12	0.176361	0.00013	0.224792	9.21E-07	0.02104	0.65018
0.34018	0.059901	0.1963	-0.01401	0.76264	0.020022	0.66606	9.99E-05	0.99828
0.00415	0.099854	0.03097	-0.0241	0.60342	-0.03009	0.51655	-0.02801	0.54601
0.5995	0.115412	0.01257	0.217618	2.06E-06	0.150827	0.00108	-0.03239	0.48505
4.57E-08	-0.09831	0.03368	-0.106	0.02196	-0.1561	0.00071	-0.01605	0.72939
1.24E-13	0.419772	2.33E-21	0.486997	3.49E-29	0.479301	3.38E-28	0.229909	5.10E-07

0.00303	0.179931	9.23E-05	0.140883	0.00228	0.115226	0.01271	0.498322	1.11E-30
0.00824	0.316464	2.54E-12	0.290992	1.45E-10	0.28045	6.89E-10	0.135365	0.00338
0.00179	0.461967	4.58E-26	0.205388	7.66E-06	0.25923	1.31E-08	0.117269	0.01121
0.45799	0.141529	0.00217	0.280684	6.66E-10	0.158445	0.00059	0.08597	0.06341
0.05278	0.04178	0.36767	0.02926	0.5282	-0.00104	0.98216	-0.19805	1.62E-05
0.19173	0.11813	0.01062	-0.0841	0.06941	-0.0379	0.41386	0.047083	0.30996
0.11995	0.212693	3.53E-06	0.213136	3.37E-06	0.19051	3.41E-05	-0.08127	0.07934
0.73796	0.145489	0.00162	0.053454	0.24896	0.063962	0.1676	-0.15949	0.00054
0.12632	0.1511	0.00106	0.073939	0.11055	0.037246	0.42196	-0.01409	0.76143
3.33E-07	0.345506	1.54E-14	0.339959	4.25E-14	0.3402	4.07E-14	0.345798	1.46E-14
0.37024	0.120923	0.0089	0.035868	0.43935	0.052652	0.25615	-0.10996	0.01745
0.02511	0.012397	0.78931	-0.05504	0.23517	-0.04488	0.33316	-0.0299	0.51915
0.06642	0.05993	0.19609	0.023608	0.61084	0.003641	0.93745	-0.06216	0.17992
0.05943	0.025746	0.57891	0.024471	0.59786	-0.00549	0.90587	-0.03021	0.5149
0.21962	0.049216	0.28853	0.036602	0.43004	0.030088	0.51659	-0.04132	0.37297
4.22E-05	-0.06876	0.13791	-0.12766	0.00573	-0.16476	0.00035	-0.09132	0.04857
0.49613	0.108959	0.01851	0.074612	0.10733	0.066185	0.15329	-0.06592	0.15497
2.92E-06	0.182091	7.57E-05	0.134216	0.00366	0.218773	1.82E-06	0.160497	0.0005
0.00027	0.222942	1.14E-06	0.159699	0.00053	0.235535	2.62E-07	0.157245	0.00065
0.37869	0.01636	0.72438	0.020829	0.65346	-0.01547	0.73876	0.055038	0.23519
0.3419	0.124781	0.00694	-0.012	0.79586	0.035012	0.45036	-0.0274	0.55478
0.0324	0.188688	4.07E-05	0.257517	1.65E-08	0.133242	0.00392	-0.23792	1.96E-07
0.60906	0.141865	0.00212	0.218032	1.97E-06	0.140605	0.00232	-0.19802	1.63E-05
0.96735	0.184417	6.10E-05	0.192246	2.88E-05	0.131092	0.00455	-0.06053	0.19166
0.00782	0.280646	6.70E-10	0.148505	0.00129	0.213072	3.39E-06	0.183057	6.92E-05
8.29E-08	-0.10801	0.01956	-0.10564	0.02242	-0.17085	0.00021	-0.09646	0.03717
2.37E-06	-0.15302	0.00091	-0.27221	2.23E-09	-0.26101	1.04E-08	-0.04276	0.35649
9.33E-05	0.300164	3.53E-11	0.121102	0.0088	0.223688	1.04E-06	0.224779	9.23E-07
0.49268	0.330708	2.22E-13	-0.01423	0.75908	0.097375	0.03541	0.018284	0.69351
0.09294	0.177842	0.00011	0.194572	2.30E-05	0.179794	9.35E-05	0.087239	0.05959
0.00104	0.0763	0.09959	-0.06147	0.18481	-0.06184	0.18218	-0.1275	0.00579
0.01456	0.177126	0.00012	0.153766	0.00086	0.06879	0.13772	-0.07324	0.11398
0.26745	0.250991	3.85E-08	0.262676	8.27E-09	0.221638	1.32E-06	-0.0244	0.59897
0.29889	0.232462	3.78E-07	0.235071	2.77E-07	0.145289	0.00164	-0.14521	0.00165
8.03E-06	0.030546	0.51022	-0.00029	0.99493	-0.07205	0.11998	-0.19504	2.19E-05
0.87452	0.288239	2.19E-10	0.200762	1.23E-05	0.188393	4.18E-05	-0.13373	0.00379
7.98E-05	0.345359	1.58E-14	0.370057	1.33E-16	0.366606	2.66E-16	-0.07959	0.08577
0.0395	-0.06468	0.16289	0.025667	0.58007	-0.03497	0.45096	0.154234	0.00083
0.98818	0.132459	0.00414	0.032894	0.47825	0.048278	0.29782	-0.00237	0.95923
0.01504	0.028757	0.53532	0.011389	0.8061	-0.0214	0.64468	-0.03181	0.49284
0.71	0.179181	9.89E-05	0.195839	2.02E-05	0.147833	0.00136	-0.05067	0.27448
4.87E-06	0.016756	0.71798	-0.02672	0.56469	-0.08635	0.06226	-0.00649	0.8888
0.76773	0.110603	0.0168	0.097436	0.03529	0.115054	0.01285	-0.00765	0.86899
0.52421	0.216723	2.28E-06	0.143222	0.00192	0.160278	0.00051	0.054672	0.23832
0.36703	-0.00055	0.99054	-0.03502	0.45027	-0.03489	0.45194	0.065545	0.15732

0.28867	0.218586	1.85E-06	0.120334	0.00924	0.149702	0.00118	0.021713	0.63977
3.39E-06	0.050683	0.27438	-0.13083	0.00463	-0.12268	0.00795	-0.23187	4.05E-07
0.77761	0.099608	0.03139	-0.06468	0.16287	0.013658	0.76848	-0.14633	0.00152
0.00141	0.023637	0.6104	0.025361	0.5846	-0.04155	0.37027	-0.07653	0.09859
0.34957	0.173335	0.00017	0.12048	0.00916	0.12402	0.00729	-0.01103	0.81216
0.10568	0.140768	0.0023	-0.0937	0.04298	-0.0293	0.5277	0.07961	0.0857
0.74665	0.186768	4.89E-05	0.202104	1.08E-05	0.16185	0.00045	0.053888	0.24513
0.70859	0.123375	0.0076	-0.00431	0.92591	0.038936	0.40121	0.144473	0.00175
0.00668	0.039631	0.39284	-0.02805	0.54545	-0.03758	0.41788	-0.11963	0.00967
2.41E-05	0.332283	1.68E-13	0.390445	1.86E-18	0.381349	1.30E-17	0.343157	2.37E-14
0.00013	0.410099	2.28E-20	0.4658	1.58E-26	0.362534	5.95E-16	0.112046	0.01542
0.19858	0.169215	0.00024	0.040102	0.38724	0.055277	0.23316	-0.00318	0.94543
1.23E-10	-0.11877	0.0102	-0.19592	2.01E-05	-0.22753	6.72E-07	-0.108	0.01957
0.10099	0.181105	8.29E-05	0.197926	1.64E-05	0.155394	0.00075	-0.08591	0.06359
0.41849	-0.04334	0.35003	-0.14811	0.00133	-0.08606	0.06313	0.00729	0.87515
0.74656	0.072859	0.11587	0.024663	0.59499	0.022864	0.62214	0.050646	0.27473
1.34E-08	0.067627	0.14452	0.036406	0.43252	-0.08137	0.07899	-0.17829	0.00011
0.00043	-0.04019	0.38621	-0.07586	0.10155	-0.14293	0.00196	-0.07054	0.12795
0.00036	-0.00182	0.96864	-0.013	0.77935	-0.08678	0.06094	-0.03413	0.46185
1.72E-06	-0.0638	0.16872	-0.10752	0.02012	-0.17321	0.00017	-0.12522	0.00674
0.01423	-0.13568	0.00331	-0.13027	0.00481	-0.17824	0.00011	-0.00482	0.91728
0.32578	0.224717	9.29E-07	0.228889	5.74E-07	0.194249	2.37E-05	-0.24344	9.98E-08
0.77003	0.126552	0.00617	0.134007	0.00372	0.117362	0.01114	0.066112	0.15374
0.07485	-0.04392	0.34367	0.08634	0.06228	0.068789	0.13773	-0.01034	0.82368
0.0145	0.008397	0.85639	-0.06727	0.14665	-0.05598	0.2273	-0.04688	0.31203
0.12217	0.279437	7.98E-10	0.122918	0.00783	0.175049	0.00014	0.071878	0.12087
6.05E-06	-0.00656	0.88765	-0.07257	0.11732	-0.12631	0.00627	-0.05598	0.22728
0.0045	0.273047	1.98E-09	0.231799	4.09E-07	0.240821	1.38E-07	0.000331	0.99431
0.339	0.116733	0.01159	0.034061	0.46276	0.043748	0.34552	-0.06336	0.17167
1.09E-07	0.019189	0.67917	0.294922	7.96E-11	0.269917	3.07E-09	0.043968	0.3431
0.00796	0.234955	2.81E-07	0.223374	1.08E-06	0.197084	1.79E-05	-0.15114	0.00105
0.44237	0.174287	0.00015	0.148684	0.00127	0.148978	0.00124	-0.02858	0.5378
0.14732	0.075074	0.10517	0.004604	0.92095	-0.00306	0.94745	-0.34457	1.83E-14
1.18E-07	0.051399	0.26764	0.029402	0.5262	-0.07248	0.11778	-0.05842	0.20762
0.01588	0.028614	0.53735	-0.00128	0.97806	-0.02731	0.55609	-0.08589	0.06365
0.00652	0.201971	1.09E-05	0.074332	0.10866	0.150349	0.00112	0.075567	0.1029
0.04798	-0.00038	0.99353	0.042379	0.36084	0.084778	0.06718	0.007822	0.86613
0.46927	0.25314	2.92E-08	0.239858	1.55E-07	0.209194	5.14E-06	0.036045	0.4371
0.34473	0.06208	0.18048	-0.01812	0.69619	-0.00851	0.85443	-0.01524	0.7426
0.03523	0.275964	1.31E-09	0.164557	0.00036	0.191772	3.02E-05	0.023363	0.61454
0.28716	0.263027	7.89E-09	0.208024	5.81E-06	0.199157	1.45E-05	-0.06311	0.17335
1.66E-11	-0.01968	0.67141	-0.22194	1.27E-06	-0.23284	3.61E-07	-0.10593	0.02205
0.12833	0.101258	0.02867	0.00494	0.91521	0.065152	0.15982	0.125624	0.00656
0.1097	0.052067	0.26147	-0.00366	0.93706	-0.00373	0.93599	-0.03071	0.50792
6.31E-06	-0.00017	0.99701	-0.11641	0.01182	-0.10627	0.02162	-0.37115	1.06E-16

0.00083	0.073862	0.11092	0.184774	5.90E-05	0.165271	0.00033	-0.0293	0.52759
9.42E-05	-0.05158	0.26601	-0.16358	0.00039	-0.15394	0.00084	-0.0174	0.70767
0.21712	0.112551	0.01496	0.017128	0.712	0.036015	0.43748	-0.18719	4.69E-05
8.89E-08	-0.13586	0.00326	-0.1873	4.64E-05	-0.22479	9.22E-07	-0.10506	0.02317
0.00297	0.23542	2.66E-07	0.02693	0.56157	0.029921	0.51892	0.089179	0.05412
0.03162	0.285975	3.07E-10	0.236834	2.24E-07	0.248779	5.10E-08	0.045199	0.32974
0.05504	0.128027	0.00559	0.174342	0.00015	0.158793	0.00057	0.117176	0.01127
0.02765	0.200887	1.22E-05	0.163064	0.0004	0.178286	0.00011	-0.04362	0.34696
0.49788	0.143964	0.00181	0.060489	0.19194	0.07869	0.0894	0.016282	0.72564
0.49839	0.18094	8.42E-05	0.040081	0.38749	0.058627	0.206	-0.06173	0.18296
0.04026	0.275919	1.32E-09	0.26166	9.49E-09	0.237588	2.05E-07	-0.06069	0.19046
0.35219	0.22065	1.47E-06	0.190195	3.52E-05	0.17178	0.00019	-0.00568	0.90258
0.00012	0.011172	0.80972	-0.0063	0.89207	-0.06948	0.13381	-0.12335	0.00762
0.20886	0.082696	0.0742	0.062012	0.18097	0.079246	0.08715	-0.22417	9.89E-07
0.05105	0.096509	0.03708	-0.00211	0.96374	-0.01691	0.71558	-0.10279	0.02633
0.16489	0.144395	0.00176	0.107619	0.02001	0.133617	0.00382	0.045272	0.32896
0.46107	0.290218	1.63E-10	0.165672	0.00032	0.178672	0.0001	-0.01156	0.80323
0.00143	0.077209	0.09561	-0.02599	0.57527	-0.03918	0.39827	-0.05134	0.26817
3.22E-07	0.139478	0.00252	0.252499	3.17E-08	0.257967	1.55E-08	0.005574	0.90438
0.94345	0.070821	0.12644	0.023658	0.61009	0.036652	0.42941	0.027559	0.55247
0.90328	0.113742	0.01392	0.094902	0.04037	0.097592	0.035	-0.10436	0.02411
0.0845	0.384489	6.68E-18	0.238332	1.87E-07	0.261684	9.46E-09	-0.01695	0.71486
0.94501	0.213051	3.40E-06	0.085858	0.06376	0.10376	0.02494	0.010048	0.82854
0.01256	0.001846	0.96827	0.015058	0.74552	-0.04924	0.28827	-0.10305	0.02596
5.21E-06	-0.07626	0.09978	-0.04534	0.32825	-0.11642	0.01181	-0.03592	0.43873
0.32694	0.281394	6.01E-10	0.115727	0.01233	0.161339	0.00046	0.12301	0.00778
0.70221	0.318394	1.84E-12	0.199785	1.36E-05	0.190463	3.43E-05	-0.18662	4.95E-05
0.0003	0.035294	0.44672	0.031571	0.49613	-0.03356	0.46938	-0.11704	0.01137
8.98E-07	-0.15335	0.00088	-0.23689	2.22E-07	-0.26074	1.07E-08	-0.02184	0.63779
2.90E-08	0.000943	0.98378	0.328489	3.27E-13	0.28645	2.86E-10	0.094029	0.04225
0.40486	0.246926	6.45E-08	0.185151	5.69E-05	0.184278	6.18E-05	0.027099	0.55912
0.55161	0.290693	1.51E-10	0.213043	3.40E-06	0.194625	2.28E-05	0.001713	0.97055
0.14208	0.127935	0.00563	0.053544	0.24816	0.041087	0.37567	-0.01565	0.7358
0.03079	0.09235	0.04609	0.052171	0.26052	0.018564	0.68907	-0.08445	0.06824
0.00983	0.065823	0.15555	0.039817	0.39062	-0.00148	0.97463	-0.08545	0.06504
0.98556	0.119099	0.00999	0.117871	0.01079	0.100607	0.02972	-0.05748	0.21505
0.00246	0.263605	7.30E-09	0.145459	0.00162	0.1894	3.80E-05	-0.01846	0.69074
0.97161	0.158833	0.00057	0.134572	0.00357	0.104902	0.02338	0.019295	0.67748
0.11923	0.192673	2.77E-05	0.125666	0.00654	0.20824	5.68E-06	-0.03444	0.45776
0.23949	0.026567	0.56686	0.090299	0.05116	0.043722	0.3458	-0.02776	0.54958
0.29307	0.119585	0.00969	-0.04243	0.36022	-0.00193	0.96675	-0.02759	0.55196
7.30E-08	0.007841	0.8658	0.13729	0.00295	0.180414	8.84E-05	0.139122	0.00259
2.88E-11	-0.10047	0.02994	-0.09194	0.04707	-0.20527	7.76E-06	-0.14803	0.00134
0.00056	0.201339	1.16E-05	0.235234	2.72E-07	0.231038	4.47E-07	0.105305	0.02285
0.89512	0.197306	1.75E-05	0.164681	0.00035	0.128683	0.00535	-0.13069	0.00467

0.20141	0.102258	0.02713	0.09606	0.03798	0.110192	0.01721	-0.0715	0.12283
7.90E-10	-0.04057	0.38176	-0.16426	0.00036	-0.20314	9.67E-06	-0.34382	2.10E-14
1.20E-10	-0.10453	0.02388	-0.17663	0.00012	-0.23389	3.19E-07	-0.13081	0.00463
0.19452	0.117761	0.01087	0.106014	0.02195	0.065712	0.15626	0.017968	0.69855
0.15351	0.192358	2.85E-05	0.176219	0.00013	0.172073	0.00019	0.103048	0.02596
0.00019	-0.01497	0.74693	0.017573	0.70486	-0.06224	0.17936	-0.04875	0.29314
0.66685	0.188917	3.98E-05	0.162546	0.00042	0.102885	0.0262	-0.02283	0.6227
0.86748	0.148682	0.00127	0.106429	0.02143	0.117687	0.01092	-0.04786	0.30198
0.54125	0.131723	0.00435	0.145643	0.0016	0.112973	0.01458	-0.02702	0.56031
0.15343	0.036703	0.42877	-0.02668	0.56525	-0.02846	0.53951	-0.25598	2.02E-08
0.2477	-0.05882	0.20448	-0.06535	0.15856	-0.05477	0.23744	0.094393	0.04146
0.02942	0.099183	0.03212	-0.08256	0.07467	-0.07513	0.10491	-0.0555	0.23129
4.51E-05	-0.0134	0.7728	-0.03901	0.40027	-0.11094	0.01647	-0.07167	0.12193
1.85E-07	-0.1001	0.03055	-0.08941	0.05351	-0.16132	0.00047	-0.1089	0.01857
0.114	-0.04043	0.38332	-0.03437	0.45876	-0.05136	0.26798	-0.26803	3.99E-09
0.42938	0.073954	0.11048	0.050752	0.27373	0.028455	0.53961	0.03637	0.43297
0.61882	0.19171	3.04E-05	0.077174	0.09576	0.083934	0.06996	-0.01432	0.75757
5.10E-07	0.242815	1.08E-07	0.249536	4.64E-08	0.319669	1.48E-12	0.08834	0.05644
0.03059	0.270815	2.71E-09	0.215861	2.50E-06	0.225656	8.35E-07	0.0494	0.28672
0.00185	-0.01578	0.73373	-0.03881	0.40277	-0.08092	0.08066	-0.14239	0.00204
0.15688	0.290424	1.58E-10	0.125601	0.00657	0.189537	3.75E-05	-0.04157	0.3701
0.03013	0.006068	0.89596	0.046031	0.32091	0.054201	0.24239	0.240526	1.43E-07
0.01778	0.038596	0.40533	0.190232	3.51E-05	0.153919	0.00085	0.019291	0.67756
0.52117	-0.00893	0.84742	0.060738	0.19011	0.036493	0.43141	-0.07391	0.11071
0.01588	-0.01167	0.80145	-0.09614	0.03781	-0.06331	0.17202	-0.06449	0.16414
0.19119	0.290114	1.65E-10	0.175108	0.00014	0.169167	0.00024	0.100532	0.02984
3.68E-06	-0.00979	0.83294	-0.14102	0.00225	-0.14584	0.00158	-0.12047	0.00917
0.29805	-0.12169	0.00847	0.030073	0.51679	0.018488	0.69026	-0.02898	0.53221
0.0432	-0.11002	0.01739	-0.11671	0.0116	-0.12771	0.00571	-0.25937	1.29E-08
1.23E-11	-0.23846	1.84E-07	-0.32603	5.01E-13	-0.32973	2.63E-13	-0.47203	2.74E-27
0.45979	-0.07942	0.08647	-0.0656	0.15697	-0.06458	0.16354	-0.19151	3.10E-05
1.04E-05	-0.12497	0.00685	-0.20283	9.99E-06	-0.20122	1.18E-05	-0.22736	6.86E-07
0.63069	-0.12424	0.00719	-0.03537	0.4457	-0.02883	0.53426	-0.14944	0.0012
0.03282	-0.16896	0.00024	-0.094	0.04232	-0.10749	0.02015	-0.10675	0.02104
3.42E-07	-0.27893	8.59E-10	-0.26412	6.81E-09	-0.28868	2.05E-10	-0.3243	6.75E-13
0.92211	-0.03328	0.47313	-0.00146	0.97497	0.003961	0.93196	-0.14543	0.00163
7.92E-10	-0.31491	3.28E-12	-0.32598	5.05E-13	-0.34826	9.22E-15	-0.28015	7.19E-10
0.01791	-0.20999	4.72E-06	-0.16752	0.00028	-0.16853	0.00025	-0.10976	0.01766
0.1071	-0.02634	0.57012	0.054831	0.23696	0.062689	0.17624	-0.04123	0.37404
0.24602	0.078165	0.09156	0.116602	0.01168	0.089133	0.05425	-0.27235	2.19E-09
0.00014	-0.20747	6.16E-06	-0.13271	0.00407	-0.17694	0.00012	-0.14415	0.00179
0.0207	-0.15614	0.00071	-0.13406	0.0037	-0.11535	0.01262	-0.18659	4.97E-05
0.4146	-0.0279	0.54762	0.119211	0.00992	0.073914	0.11067	-0.05538	0.2323
0.69018	-0.10108	0.02896	-0.04586	0.32269	-0.00737	0.87383	-0.09917	0.03215
0.85392	-0.03818	0.41043	-0.04117	0.37471	-0.02473	0.59399	-0.12749	0.0058

0.96187	-0.02864	0.53694	0.031808	0.4929	0.041792	0.36754	-0.09559	0.03892
0.86591	-0.00592	0.89847	0.053501	0.24854	0.039135	0.3988	-0.10394	0.02469
0.55742	-0.03579	0.44036	0.033315	0.47262	0.01246	0.78828	-0.11036	0.01705
0.12941	-0.08383	0.07031	-0.03447	0.45738	-0.05946	0.19963	-0.06348	0.17081
0.61597	0.060312	0.19324	-0.04933	0.28744	0.027693	0.55053	-0.03206	0.48943
0.52067	-0.03022	0.51471	-0.00941	0.83935	-0.01148	0.80451	-0.15754	0.00063
0.14132	-0.28723	2.54E-10	-0.1003	0.03022	-0.15877	0.00057	-0.04447	0.33756
0.50602	0.009606	0.83597	0.049657	0.28422	0.04444	0.33793	-0.14437	0.00176
0.00022	-0.18148	8.01E-05	-0.14198	0.0021	-0.17474	0.00015	-0.26978	3.13E-09
0.92282	-0.07147	0.123	-0.02536	0.5846	-0.00374	0.93568	-0.08775	0.05811
0.20441	0.019707	0.67101	0.073541	0.11248	0.085323	0.06544	-0.01983	0.66906
0.08212	-0.1456	0.00161	-0.05079	0.27332	-0.08318	0.07254	-0.05259	0.25667
0.39912	0.02204	0.63474	0.03019	0.51517	0.057422	0.2155	-0.05528	0.23314
0.88753	-0.05009	0.28004	0.016974	0.71448	0.011567	0.80312	-0.07004	0.13071
0.9761	-0.06764	0.14443	-0.01952	0.67387	-0.0024	0.95882	-0.07945	0.08634
0.04714	-0.02436	0.59954	0.139823	0.00246	0.09877	0.03285	-0.0181	0.69643
0.93612	-0.04945	0.28625	0.034381	0.45857	0.029012	0.53171	-0.03717	0.42293
0.46382	0.002635	0.95471	0.114652	0.01317	0.078169	0.09155	-0.00864	0.85225
0.72668	-0.02657	0.56683	0.037161	0.42303	0.037077	0.42408	-0.05882	0.2045
0.90835	-0.04138	0.3723	-0.01233	0.79049	-0.00362	0.93788	-0.10015	0.03047
0.81895	-0.02561	0.58094	0.025801	0.5781	0.021807	0.63832	-0.0493	0.28766
0.0928	-0.11677	0.01156	-0.05168	0.26504	-0.06856	0.13902	-0.11914	0.00997
0.23455	-0.0868	0.06089	-0.04009	0.38739	-0.04456	0.33664	-0.21253	3.59E-06
0.74405	-0.05863	0.20598	-0.04658	0.31518	-0.0197	0.67104	-0.15862	0.00058
0.91222	-0.11811	0.01063	-0.07037	0.12889	-0.05615	0.22586	-0.16052	0.0005
0.00973	-0.18612	5.20E-05	-0.15462	0.0008	-0.15889	0.00057	-0.1282	0.00553
0.60518	-0.11087	0.01653	0.020275	0.66211	-0.00187	0.96788	0.041903	0.36626
0.59985	0.043351	0.34992	0.029589	0.52358	0.049841	0.28244	-0.15287	0.00092
0.90519	0.000209	0.99641	0.034799	0.45313	0.036683	0.42901	-0.07644	0.09898
0.87665	0.004568	0.92158	0.014146	0.76045	0.035072	0.44958	-0.13019	0.00484
0.57749	-0.02527	0.58591	0.01547	0.7388	0.018613	0.68828	-0.10592	0.02207
0.17852	-0.08149	0.07855	-0.07012	0.13026	-0.05981	0.197	-0.20055	1.26E-05
0.37374	-0.07641	0.09908	-0.02994	0.51864	-0.03105	0.50323	-0.18281	7.08E-05
0.08234	-0.03157	0.49608	-0.03121	0.50108	0.030799	0.50672	-0.04518	0.32991
0.97549	-0.10694	0.02081	0.027995	0.54619	-0.00096	0.98344	-0.05244	0.25808
0.39434	0.018446	0.69094	0.020418	0.65986	0.048364	0.29697	-0.16743	0.00028
0.00248	-0.15698	0.00066	-0.08187	0.07714	-0.12613	0.00635	-0.10733	0.02035
0.17195	-0.13343	0.00387	-0.08135	0.07905	-0.10108	0.02895	-0.16	0.00052
7.32E-06	-0.21276	3.50E-06	-0.19011	3.55E-05	-0.2209	1.43E-06	-0.33498	1.04E-13
1.92E-07	-0.08802	0.05734	-0.35485	2.64E-15	-0.26301	7.91E-09	-0.1429	0.00196
0.6702	-0.13118	0.00452	-0.03311	0.4754	-0.05923	0.20134	0.04622	0.31893
2.10E-06	-0.26472	6.28E-09	-0.21154	4.00E-06	-0.26608	5.21E-09	-0.14325	0.00191
0.48336	-0.02429	0.60061	0.06296	0.17438	0.014153	0.76034	-0.00918	0.8432
8.31E-27	-0.33672	7.63E-14	-0.46452	2.26E-26	-0.51591	4.03E-33	-0.40513	7.13E-20
0.0427	-0.04438	0.33859	-0.02369	0.60954	-0.06653	0.15114	-0.15183	0.001

0.00103	-0.00148	0.9746	-0.06568	0.15643	-0.08552	0.0648	-0.03703	0.42464
1.40E-07	-0.0416	0.36974	-0.14463	0.00173	-0.1793	9.78E-05	-0.2891	1.93E-10
0.00018	-0.10858	0.01892	-0.15666	0.00068	-0.18927	3.85E-05	0.117828	0.01082
1.88E-10	-0.15438	0.00082	-0.20286	9.96E-06	-0.24167	1.24E-07	-0.36532	3.43E-16
0.52085	0.074532	0.10771	-0.02659	0.56647	-0.01067	0.81813	0.075604	0.10273
0.94486	-0.14512	0.00167	0.049346	0.28725	-0.01772	0.70246	0.036854	0.42686
0.13757	-0.01924	0.67831	-0.00125	0.97848	-0.02548	0.58286	0.314923	3.28E-12
8.30E-13	-0.2801	7.25E-10	-0.24921	4.83E-08	-0.32456	6.45E-13	0.089986	0.05197
0.00086	-0.07051	0.1281	-0.02261	0.62604	-0.09436	0.04154	-0.13962	0.0025
0.00014	-0.15419	0.00083	-0.12196	0.00833	-0.16177	0.00045	-0.19201	2.95E-05
0.00106	-0.06022	0.19389	-0.10466	0.02371	-0.13367	0.00381	-0.11317	0.01441
5.29E-12	-0.26402	6.90E-09	-0.17874	0.0001	-0.29723	5.57E-11	-0.13367	0.0038
0.01887	-0.17917	9.90E-05	-0.06145	0.18495	-0.12697	0.006	0.04291	0.35484
4.95E-05	-0.37817	2.52E-17	-0.25717	1.72E-08	-0.26677	4.74E-09	-0.02597	0.57554
9.72E-07	-0.08644	0.06199	-0.12525	0.00673	-0.16617	0.00031	0.202084	1.08E-05
0.0275	-0.03083	0.50625	0.011508	0.80411	-0.03985	0.39025	-0.05226	0.25974
2.64E-05	-0.23958	1.61E-07	-0.2856	3.24E-10	-0.25737	1.68E-08	-0.23358	3.31E-07
0.70795	0.110474	0.01693	0.117112	0.01132	0.069563	0.13334	-0.13973	0.00248
0.00144	-0.21923	1.73E-06	-0.18946	3.78E-05	-0.19056	3.40E-05	0.007959	0.86381
0.00052	-0.05943	0.19984	-0.19247	2.82E-05	-0.15546	0.00075	0.047589	0.30478
0.85095	-0.10836	0.01916	-0.16421	0.00037	-0.11362	0.01402	0.108101	0.01946
1.16E-07	-0.05673	0.22108	-0.09736	0.03544	-0.16007	0.00052	-0.23335	3.40E-07
0.11013	-0.17968	9.45E-05	-0.11514	0.01278	-0.12704	0.00598	-0.1086	0.01889
0.37417	-0.13651	0.00312	-0.04371	0.3459	-0.07181	0.12121	-0.13978	0.00247
0.00807	0.022237	0.63172	-0.02218	0.63255	-0.05295	0.2535	0.019147	0.67983
0.00598	0.048902	0.29162	0.002454	0.95783	0.007194	0.87679	-0.06745	0.14559
5.81E-13	-0.37698	3.22E-17	-0.3299	2.56E-13	-0.40773	3.94E-20	-0.16047	0.0005
0.01289	-0.00387	0.9335	-0.04597	0.32158	-0.06131	0.18596	-0.27963	7.76E-10
5.09E-21	-0.25802	1.54E-08	-0.3084	9.52E-12	-0.38984	2.12E-18	-0.1649	0.00035
4.23E-07	-0.18207	7.58E-05	-0.20745	6.17E-06	-0.24344	9.98E-08	-0.14547	0.00162
0.03743	0.046766	0.31323	-0.02457	0.59639	-0.02629	0.57094	0.020044	0.66571
0.0001	-0.02075	0.65476	-0.12837	0.00547	-0.11892	0.0101	-0.01792	0.69932
5.24E-08	-0.17268	0.00018	-0.18676	4.89E-05	-0.24848	5.31E-08	0.045472	0.32683
0.00072	-0.23279	3.63E-07	-0.15338	0.00088	-0.1844	6.11E-05	-0.12275	0.00792
1.64E-05	-0.17743	0.00012	-0.17515	0.00014	-0.20991	4.76E-06	-0.09051	0.05062
0.00292	-0.06287	0.17498	0.036719	0.42856	-0.04809	0.29975	-0.04156	0.37016
0.0001	-0.01756	0.705	-0.1165	0.01175	-0.1324	0.00416	0.068806	0.13763
0.00741	-0.04721	0.30862	-0.00235	0.95952	-0.08213	0.0762	-0.26513	5.93E-09
1.23E-07	-0.23513	2.75E-07	-0.18274	7.13E-05	-0.24673	6.61E-08	-0.19376	2.49E-05
2.72E-06	-0.1247	0.00697	-0.07978	0.08502	-0.17606	0.00013	-0.16002	0.00052
0.0193	-0.09974	0.03117	-0.02131	0.64595	-0.07981	0.08493	0.005518	0.90533
0.02074	-0.17609	0.00013	-0.09847	0.03339	-0.15384	0.00085	0.174089	0.00016
4.36E-05	-0.15866	0.00058	-0.18916	3.89E-05	-0.22368	1.05E-06	-0.06922	0.13527
4.59E-07	-0.23578	2.54E-07	-0.18416	6.24E-05	-0.25998	1.19E-08	0.017764	0.7018
0.00271	-0.01525	0.74243	0.076742	0.09764	-0.02588	0.57699	-0.06506	0.16039

9.22E-06	-0.04269	0.35736	-0.12999	0.0049	-0.14825	0.00131	-0.42094	1.76E-21
2.87E-07	-0.22687	7.26E-07	-0.31135	5.90E-12	-0.29882	4.35E-11	-0.07403	0.11013
0.0162	-0.03793	0.41344	-0.07923	0.08721	-0.09915	0.03218	0.003009	0.9483
1.38E-09	-0.13083	0.00463	-0.27445	1.63E-09	-0.27381	1.78E-09	-0.15846	0.00059
0.40621	0.007677	0.86858	0.060233	0.19383	0.036944	0.42574	0.151139	0.00105
0.07731	-0.11127	0.01615	-0.04449	0.33738	-0.08587	0.06373	-0.26316	7.75E-09
4.08E-07	-0.04855	0.2951	-0.0965	0.03709	-0.15093	0.00107	0.237565	2.05E-07
0.3676	-0.04871	0.29351	0.08931	0.05377	0.052349	0.25889	0.127371	0.00584
0.91514	-0.04801	0.30047	0.07499	0.10556	0.020347	0.66097	0.097017	0.03609
2.30E-05	-0.19612	1.97E-05	-0.12156	0.00854	-0.19488	2.23E-05	-0.11043	0.01697
2.40E-06	-0.16058	0.0005	-0.1784	0.00011	-0.23139	4.29E-07	-0.05758	0.21426
2.68E-31	-0.27379	1.79E-09	-0.47935	3.34E-28	-0.53486	6.47E-36	-0.19443	2.33E-05
9.61E-13	-0.23115	4.41E-07	-0.28552	3.28E-10	-0.33566	9.22E-14	-0.15196	0.00099
5.20E-10	-0.20811	5.76E-06	-0.29157	1.33E-10	-0.33489	1.06E-13	0.087628	0.05846
0.06254	-0.24151	1.27E-07	-0.30889	8.80E-12	-0.26806	3.97E-09	-0.04165	0.36912
0.70165	0.066133	0.15361	0.075824	0.10173	0.055072	0.2349	-0.20264	1.02E-05
5.11E-20	-0.33136	1.98E-13	-0.46763	9.49E-27	-0.47789	5.09E-28	-0.24728	6.17E-08
0.0002	-0.10432	0.02417	-0.24776	5.81E-08	-0.21155	4.00E-06	-0.05796	0.21119
0.00086	-0.2521	3.34E-08	-0.28257	5.06E-10	-0.25827	1.49E-08	0.073465	0.11286
0.00018	0.070113	0.13029	-0.09563	0.03884	-0.08642	0.06204	-0.00324	0.94427
1.88E-08	-0.19922	1.44E-05	-0.17207	0.00019	-0.24954	4.63E-08	-0.07775	0.09332
0.00084	-0.21435	2.95E-06	-0.28909	1.93E-10	-0.24061	1.42E-07	-0.00151	0.97399
0.00165	-0.12812	0.00556	-0.23869	1.79E-07	-0.21044	4.50E-06	0.095173	0.0398
7.75E-21	-0.26695	4.63E-09	-0.20005	1.33E-05	-0.33712	7.10E-14	-0.17532	0.00014
3.00E-12	-0.14865	0.00127	-0.15836	0.00059	-0.23842	1.85E-07	-0.12245	0.00807
1.36E-05	-0.21977	1.62E-06	-0.21265	3.55E-06	-0.26747	4.31E-09	-0.18631	5.10E-05
0.00149	-0.23197	4.01E-07	-0.28414	4.02E-10	-0.2518	3.47E-08	0.010551	0.8201
1.74E-06	-0.12185	0.00839	-0.10764	0.01999	-0.17583	0.00013	-0.07641	0.0991
0.31253	-0.01636	0.72434	0.113896	0.01379	0.028523	0.53865	-0.03899	0.40055
0.72161	-0.07577	0.10199	-0.06845	0.13968	-0.04879	0.29269	-0.00021	0.99633
4.39E-26	-0.24111	1.33E-07	-0.35828	1.36E-15	-0.4302	1.84E-22	-0.35849	1.31E-15
6.17E-07	-0.03076	0.50723	-0.20132	1.17E-05	-0.18846	4.16E-05	-0.20154	1.14E-05
0.06256	-0.11921	0.00993	-0.09412	0.04204	-0.12089	0.00892	-0.13473	0.00353
0.27338	-0.13295	0.004	-0.10254	0.0267	-0.11386	0.01382	-0.09744	0.03529
9.39E-06	-0.21407	3.04E-06	-0.25103	3.83E-08	-0.2584	1.47E-08	-0.00929	0.84125
0.02004	-0.19782	1.66E-05	-0.12135	0.00866	-0.14875	0.00127	-0.06044	0.19228
5.89E-12	-0.23114	4.42E-07	-0.20655	6.79E-06	-0.2835	4.42E-10	-0.09001	0.05192
1.66E-17	-0.2087	5.41E-06	-0.26919	3.40E-09	-0.33866	5.38E-14	-0.29349	9.91E-11
9.83E-13	-0.20086	1.22E-05	-0.21477	2.82E-06	-0.29757	5.29E-11	-0.03578	0.44045
0.00068	-0.24351	9.89E-08	-0.12497	0.00685	-0.17732	0.00012	-0.08211	0.07629
9.81E-11	-0.05657	0.22243	-0.10183	0.02778	-0.19097	3.26E-05	-0.21372	3.16E-06
9.41E-08	-0.1134	0.01421	-0.17364	0.00016	-0.20659	6.76E-06	-0.10915	0.0183
1.17E-17	-0.38889	2.61E-18	-0.33586	8.91E-14	-0.40616	5.63E-20	-0.33119	2.04E-13
4.29E-06	-0.31837	1.84E-12	-0.33051	2.30E-13	-0.32534	5.65E-13	-0.22709	7.08E-07
9.99E-24	-0.3788	2.21E-17	-0.34808	9.53E-15	-0.42596	5.24E-22	-0.12334	0.00762



3.54E-31	-0.40123	1.72E-19	-0.45974	8.45E-26	-0.53998	1.06E-36	-0.24642	6.88E-08
2.76E-07	-0.1474	0.0014	-0.1183	0.01051	-0.19128	3.17E-05	-0.10042	0.03002
5.09E-14	-0.21756	2.08E-06	-0.3179	2.00E-12	-0.33994	4.27E-14	0.012474	0.78804
0.81529	-0.03423	0.46049	0.077863	0.09283	0.044811	0.33392	0.058864	0.20418
0.00059	-0.23473	2.89E-07	-0.38062	1.51E-17	-0.26911	3.43E-09	-0.21039	4.52E-06
9.43E-08	-0.07308	0.11476	-0.17658	0.00013	-0.2046	8.32E-06	-0.41813	3.45E-21
0.12513	0.018483	0.69035	0.02098	0.65111	-0.01292	0.78067	-0.1107	0.0167
0.49622	-0.18645	5.03E-05	-0.27788	9.98E-10	-0.18358	6.59E-05	0.119429	0.00979
2.38E-05	-0.05525	0.23337	-0.17882	0.0001	-0.18413	6.26E-05	-0.05908	0.20253
0.01493	0.01338	0.77305	-0.07263	0.11703	-0.07344	0.113	-0.06754	0.14506
2.74E-05	-0.15661	0.00068	-0.10375	0.02495	-0.16564	0.00032	-0.01052	0.82066
1.64E-09	-0.316	2.74E-12	-0.23408	3.12E-07	-0.33717	7.04E-14	-0.05421	0.24233
0.00233	-0.01403	0.76237	-0.04167	0.36888	-0.07995	0.08437	-0.08742	0.05905
8.77E-06	-0.12975	0.00498	-0.18514	5.69E-05	-0.22433	9.71E-07	0.183545	6.61E-05
0.00058	-0.09231	0.04618	-0.12744	0.00582	-0.15901	0.00056	-0.01205	0.79516
0.0028	-0.12844	0.00544	-0.11436	0.0134	-0.13819	0.00276	-0.02061	0.65693
0.09554	0.006899	0.8818	0.006449	0.88946	-0.02375	0.60875	-0.0428	0.35605
0.00043	0.002406	0.95865	-0.22274	1.16E-06	-0.14488	0.00169	0.018013	0.69783
7.55E-12	-0.22179	1.29E-06	-0.30603	1.39E-11	-0.32695	4.27E-13	-0.01937	0.67628
6.54E-05	0.049728	0.28353	-0.1296	0.00503	-0.11392	0.01377	-0.10268	0.02649
0.00276	-0.01566	0.73564	-0.11795	0.01074	-0.11086	0.01655	-0.07896	0.08832
0.06351	-0.12815	0.00555	-0.05149	0.26684	-0.09692	0.03629	-0.0672	0.1471
0.03556	0.142104	0.00208	-0.10439	0.02407	0.034993	0.4506	0.335977	8.72E-14
0.00048	-0.25786	1.57E-08	-0.16031	0.00051	-0.22136	1.36E-06	-0.117	0.0114
0.00013	-0.09279	0.04506	-0.25854	1.44E-08	-0.19392	2.45E-05	-0.13088	0.00461
0.59527	-0.04427	0.33983	0.047731	0.30334	0.017386	0.70785	-0.12293	0.00782
0.00285	0.064477	0.1642	-0.1986	1.54E-05	-0.14001	0.00243	-0.00703	0.87958
0.00011	-0.10388	0.02477	-0.16246	0.00042	-0.19019	3.52E-05	-0.01403	0.76238
9.36E-13	-0.28032	7.02E-10	-0.28987	1.71E-10	-0.35631	2.00E-15	-0.06818	0.14127
4.35E-12	-0.23251	3.75E-07	-0.25851	1.44E-08	-0.34606	1.39E-14	-0.10027	0.03028
2.55E-08	-0.28403	4.09E-10	-0.15426	0.00082	-0.2521	3.34E-08	-0.27624	1.26E-09
4.26E-09	-0.11663	0.01166	-0.16662	0.0003	-0.23148	4.24E-07	-0.08961	0.05297
7.96E-08	-0.09362	0.04316	-0.13393	0.00374	-0.19046	3.43E-05	0.106386	0.02148
1.63E-05	-0.07128	0.124	0.002969	0.94897	-0.12714	0.00593	0.006337	0.89137
0.00079	-0.04978	0.28299	-0.09106	0.04922	-0.1028	0.02632	0.03874	0.40358
9.01E-09	-0.09357	0.04327	-0.15462	0.0008	-0.2	1.33E-05	-0.07053	0.128
0.3431	0.059753	0.19741	0.069476	0.13383	0.03488	0.45207	-0.32145	1.10E-12
1.14E-12	-0.24386	9.48E-08	-0.35485	2.65E-15	-0.34976	6.96E-15	0.025221	0.58668
9.81E-16	-0.17156	0.0002	-0.01676	0.71792	-0.21581	2.52E-06	-0.40756	4.09E-20
0.0858	-0.11837	0.01046	-0.10677	0.02101	-0.15964	0.00053	0.367805	2.09E-16
1.76E-12	-0.2064	6.89E-06	-0.13867	0.00267	-0.28087	6.49E-10	-0.28275	4.93E-10
0.00388	-0.0233	0.61557	-0.1111	0.01631	-0.12709	0.00596	0.009878	0.8314
0.0451	-0.22483	9.17E-07	-0.20205	1.08E-05	-0.19928	1.44E-05	-0.06265	0.1765
1.60E-15	-0.48049	2.39E-28	-0.34609	1.38E-14	-0.45769	1.47E-25	-0.15089	0.00107
0.5976	-0.16443	0.00036	0.032319	0.48598	-0.02768	0.55067	0.025919	0.57636

0.15502	-0.07839	0.09064	-0.12041	0.0092	-0.096	0.0381	0.015507	0.73821
0.97877	-0.03608	0.43659	-0.00126	0.9783	-0.01361	0.7692	0.103848	0.02482
3.28E-05	-0.13821	0.00276	-0.10832	0.01921	-0.18271	7.15E-05	-0.06552	0.15749
1.85E-05	-0.08455	0.06791	-0.15255	0.00094	-0.16913	0.00024	-0.18656	4.98E-05
2.85E-07	-0.14862	0.00128	-0.17126	0.0002	-0.1993	1.43E-05	-0.34015	4.11E-14
3.63E-18	-0.24842	5.35E-08	-0.33346	1.37E-13	-0.39758	3.89E-19	-0.51571	4.30E-33
5.84E-09	-0.2253	8.70E-07	-0.14463	0.00173	-0.22496	9.04E-07	-0.07326	0.11387
5.98E-05	-0.10799	0.01958	-0.06894	0.13687	-0.12987	0.00494	-0.21567	2.56E-06
5.21E-06	-0.05806	0.21046	-0.07006	0.1306	-0.12996	0.00491	-0.12367	0.00746
8.78E-12	-0.2528	3.05E-08	-0.18837	4.19E-05	-0.28194	5.55E-10	-0.21409	3.04E-06
3.37E-05	-0.25703	1.76E-08	-0.12463	0.00701	-0.20224	1.06E-05	-0.10965	0.01777
0.02295	0.020045	0.6657	-0.02976	0.52115	-0.06905	0.13624	0.105834	0.02217
0.04174	-0.00445	0.92367	-0.08613	0.06293	-0.07086	0.12622	-0.02767	0.55079
0.70999	0.10802	0.01955	0.088445	0.05614	0.024159	0.60254	-0.01849	0.69026
7.41E-05	-0.27705	1.12E-09	-0.10882	0.01866	-0.21409	3.04E-06	-0.15383	0.00085
7.53E-11	-0.25989	1.20E-08	-0.37639	3.64E-17	-0.37114	1.07E-16	-0.12202	0.0083
0.45876	0.055731	0.22933	-0.0739	0.11076	-0.05177	0.26423	0.264203	6.73E-09
0.00562	-0.17597	0.00013	0.008841	0.84889	-0.10144	0.02838	-0.05551	0.23119
0.19667	-0.08473	0.06734	-0.14202	0.00209	-0.05494	0.23605	-0.24957	4.62E-08
0.05195	-0.02486	0.59203	0.036867	0.4267	-0.10802	0.01955	-0.07865	0.08958
1.89E-05	-0.27496	1.51E-09	-0.13542	0.00337	-0.22612	7.92E-07	0.104054	0.02453
8.11E-18	-0.25465	2.40E-08	-0.37472	5.14E-17	-0.42779	3.34E-22	-0.29224	1.20E-10
1.09E-11	-0.09873	0.03292	-0.2239	1.02E-06	-0.27519	1.47E-09	-0.16351	0.00039
2.10E-16	-0.28264	5.01E-10	-0.3899	2.09E-18	-0.40325	1.09E-19	-0.12271	0.00794
0.55289	-0.10111	0.02891	-0.01078	0.81634	-0.05751	0.21476	0.049623	0.28455
6.72E-11	-0.23372	3.25E-07	-0.24083	1.38E-07	-0.30643	1.31E-11	-0.34621	1.35E-14
1.24E-12	-0.25463	2.41E-08	-0.42253	1.20E-21	-0.37107	1.08E-16	-0.17533	0.00014
0.1116	-0.2177	2.04E-06	-0.16654	0.0003	-0.16275	0.00041	0.017523	0.70566
0.42287	-0.10241	0.0269	-0.14703	0.00144	-0.10968	0.01774	-0.17169	0.00019
0.40924	-0.01593	0.73136	-0.03943	0.39525	-0.03588	0.4392	-0.05403	0.24392
0.09218	-0.07492	0.10588	-0.027	0.56053	-0.0852	0.06583	-0.155	0.00078
0.00024	-0.11512	0.0128	-0.10033	0.03018	-0.14513	0.00166	-0.07891	0.08851
3.22E-24	-0.36047	8.92E-16	-0.49677	1.79E-30	-0.52295	3.87E-34	-0.32024	1.35E-12
0.02971	-0.1367	0.00308	-0.17888	0.0001	-0.05206	0.26155	-0.00843	0.85585
9.24E-10	-0.16258	0.00042	-0.2816	5.83E-10	-0.2699	3.08E-09	-0.35364	3.33E-15
2.30E-06	-0.06986	0.13169	-0.19762	1.70E-05	-0.2152	2.69E-06	-0.25272	3.08E-08
0.0004	-0.20978	4.83E-06	-0.34183	3.03E-14	-0.28749	2.45E-10	-0.17566	0.00014
9.97E-14	-0.14415	0.00179	-0.18238	7.37E-05	-0.26235	8.64E-09	0.060718	0.19026
9.20E-14	-0.2072	6.34E-06	-0.30316	2.20E-11	-0.3358	9.01E-14	-0.06686	0.14911
6.22E-23	-0.24411	9.19E-08	-0.28176	5.70E-10	-0.41082	1.93E-20	-0.16497	0.00034
2.03E-10	-0.29575	7.00E-11	-0.29667	6.08E-11	-0.33771	6.38E-14	0.062574	0.17704
3.51E-16	-0.35843	1.33E-15	-0.34392	2.06E-14	-0.39798	3.56E-19	-0.24392	9.41E-08
1.05E-05	-0.05523	0.23355	-0.1703	0.00022	-0.20701	6.47E-06	0.028183	0.5435
2.34E-16	-0.09977	0.03111	-0.28123	6.16E-10	-0.29091	1.47E-10	-0.22424	9.81E-07
3.48E-15	-0.2867	2.75E-10	-0.16823	0.00026	-0.28125	6.14E-10	-0.00272	0.9533

6.84E-26	-0.36857	1.79E-16	-0.34855	8.73E-15	-0.45544	2.71E-25	-0.20747	6.16E-06
1.36E-22	-0.27018	2.96E-09	-0.31222	5.12E-12	-0.40099	1.82E-19	-0.36895	1.66E-16
7.14E-15	-0.25771	1.60E-08	-0.21058	4.43E-06	-0.3067	1.25E-11	-0.1052	0.02299
0.00783	0.007976	0.86352	-0.05586	0.22825	-0.07153	0.12266	-0.13343	0.00387
1.75E-07	-0.34861	8.62E-15	-0.33749	6.65E-14	-0.3124	4.97E-12	0.026976	0.56091
0.26231	-0.0135	0.77107	-0.02202	0.63497	-0.03341	0.47134	-0.0198	0.66952
0.01793	-0.14919	0.00122	-0.20364	9.19E-06	-0.17667	0.00012	-0.03135	0.4991
0.00154	-0.16105	0.00048	-0.148	0.00134	-0.18363	6.56E-05	-0.14488	0.00169
1.41E-06	-0.08391	0.07004	-0.17264	0.00018	-0.18536	5.58E-05	-0.08425	0.06891
8.38E-19	-0.21223	3.71E-06	-0.29388	9.34E-11	-0.33966	4.49E-14	-0.35243	4.20E-15
0.08679	-0.04702	0.31063	-0.2799	7.47E-10	-0.19763	1.69E-05	0.049493	0.28582
1.09E-16	-0.2882	2.20E-10	-0.34564	1.50E-14	-0.39494	6.99E-19	-0.01408	0.7616
3.02E-08	-0.14018	0.0024	-0.34175	3.07E-14	-0.30527	1.57E-11	-0.24361	9.77E-08
3.21E-09	-0.23528	2.70E-07	-0.19695	1.81E-05	-0.26482	6.19E-09	-0.13405	0.00371
0.49154	0.164528	0.00036	-0.03225	0.48696	0.018395	0.69175	0.191343	3.15E-05
0.00029	-0.28967	1.77E-10	-0.11089	0.01651	-0.19823	1.59E-05	-0.19029	3.49E-05
4.04E-07	-0.21876	1.82E-06	-0.25511	2.26E-08	-0.28707	2.61E-10	0.156352	0.0007
1.65E-19	-0.25474	2.37E-08	-0.22844	6.06E-07	-0.32797	3.58E-13	-0.24821	5.49E-08
1.00E-10	-0.33307	1.46E-13	-0.25768	1.61E-08	-0.3313	2.00E-13	-0.0608	0.18965
3.53E-13	-0.14011	0.00241	-0.28316	4.65E-10	-0.31878	1.72E-12	-0.24367	9.71E-08
0.00012	-0.06153	0.18439	0.025706	0.57951	-0.0628	0.17544	-0.1939	2.45E-05
0.34228	0.124258	0.00718	-0.07181	0.1212	0.02475	0.59368	0.013605	0.76934
1.87E-14	-0.4205	1.96E-21	-0.33572	9.14E-14	-0.40662	5.08E-20	0.038406	0.40764
0.00791	-0.1129	0.01464	-0.25429	2.51E-08	-0.17793	0.00011	-0.09194	0.04707
0.00118	-0.18095	8.41E-05	-0.11769	0.01092	-0.1882	4.26E-05	-0.10808	0.01949
4.81E-07	-0.30629	1.34E-11	-0.20964	4.90E-06	-0.28407	4.06E-10	-0.09041	0.05086
4.42E-27	-0.36529	3.45E-16	-0.44413	5.39E-24	-0.50371	2.05E-31	-0.1251	0.00679
9.03E-08	-0.075	0.10553	-0.12402	0.00729	-0.17755	0.00011	-0.01275	0.78342
7.89E-07	-0.18216	7.52E-05	-0.15996	0.00052	-0.23052	4.75E-07	0.144194	0.00178
2.56E-10	-0.25803	1.54E-08	-0.27049	2.84E-09	-0.32671	4.45E-13	-0.08554	0.06474
1.54E-09	-0.2715	2.47E-09	-0.23641	2.36E-07	-0.31898	1.67E-12	-0.08478	0.06719
9.10E-05	-0.16878	0.00025	-0.17501	0.00014	-0.20912	5.18E-06	-0.16576	0.00032
1.69E-27	-0.43683	3.50E-23	-0.56007	6.45E-40	-0.59213	1.59E-45	-0.29938	3.99E-11
9.24E-09	-0.12034	0.00924	-0.19864	1.53E-05	-0.23757	2.05E-07	-0.23565	2.58E-07
2.21E-06	-0.23771	2.02E-07	-0.39985	2.35E-19	-0.35129	5.21E-15	-0.19804	1.62E-05
2.15E-16	-0.22895	5.71E-07	-0.32516	5.82E-13	-0.38964	2.22E-18	-0.00098	0.98311
1.21E-13	-0.22676	7.35E-07	-0.2102	4.62E-06	-0.31335	4.25E-12	-0.14555	0.00161
3.13E-06	-0.14519	0.00166	0.031423	0.49816	-0.11819	0.01058	-0.11896	0.01008
0.00294	-0.03633	0.43349	-0.13359	0.00383	-0.13098	0.00458	-0.06317	0.17296
0.07729	0.016806	0.71717	-0.03433	0.45924	-0.06938	0.13434	0.112196	0.01528
1.20E-13	-0.19985	1.35E-05	-0.29886	4.33E-11	-0.33836	5.68E-14	-0.31256	4.84E-12
0.00254	-0.07677	0.09753	-0.09555	0.03901	-0.12389	0.00735	0.172545	0.00018
0.05532	-0.05191	0.26294	-0.0734	0.11316	-0.07243	0.11802	-0.12708	0.00596
0.08916	0.02666	0.5655	-0.09725	0.03565	-0.08232	0.07554	0.027227	0.55726
1.03E-26	-0.26499	6.05E-09	-0.36553	3.29E-16	-0.41747	4.04E-21	-0.4305	1.71E-22

0.00116	-0.10043	0.03001	-0.24879	5.10E-08	-0.18765	4.49E-05	-0.13654	0.00311
0.00186	-0.1335	0.00385	-0.14136	0.0022	-0.14082	0.00229	-0.09159	0.0479
0.02413	-0.15391	0.00085	-0.14157	0.00216	-0.15315	0.0009	-0.12355	0.00752
0.0029	-0.18722	4.68E-05	-0.18249	7.30E-05	-0.20005	1.33E-05	-0.19083	3.31E-05
0.1508	0.028609	0.53742	0.034765	0.45356	0.063935	0.16779	-0.06984	0.13178
0.37498	-0.06047	0.19204	-0.03384	0.46566	-0.05325	0.25077	-0.15756	0.00063
0.00999	-0.08204	0.07654	-0.01546	0.73893	-0.09872	0.03293	-0.08126	0.07938
0.35431	-0.03212	0.48866	-0.01483	0.74919	-0.03678	0.4278	-0.1519	0.00099
0.6168	0.029325	0.52728	0.037194	0.42262	0.021239	0.64709	-0.12132	0.00868
0.04619	-0.09083	0.04981	-0.10877	0.01871	-0.11672	0.01159	-0.20909	5.19E-06
0.48867	-0.02449	0.59755	0.009164	0.84344	-0.02498	0.59025	-0.1607	0.00049
0.00609	-0.01321	0.77578	-0.03548	0.44437	-0.08804	0.05728	-0.10227	0.02711
0.23123	-0.06649	0.15143	-0.07793	0.09255	-0.09033	0.05108	-0.07294	0.11548
0.01515	-0.05209	0.26123	-0.02267	0.62509	-0.06152	0.18449	-0.05206	0.26157
0.09048	-0.05796	0.21119	-0.07199	0.12027	-0.07911	0.08771	-0.19147	3.11E-05
0.47125	-0.03235	0.48556	0.004647	0.92023	-0.00068	0.98835	-0.12029	0.00927
0.00691	-0.12899	0.00524	-0.06794	0.14265	-0.12813	0.00555	-0.04882	0.29243
0.00632	-0.08304	0.073	-0.09305	0.04444	-0.12598	0.00641	-0.10816	0.01939
0.01421	-0.08591	0.06359	-0.07775	0.09332	-0.10894	0.01853	-0.15495	0.00078
0.00086	-0.11388	0.0138	-0.11463	0.01318	-0.14683	0.00146	-0.14365	0.00186
0.58598	0.037711	0.41619	0.028362	0.54094	0.045468	0.32687	-0.04105	0.37608
0.97885	-0.01786	0.70029	-0.10771	0.01991	-0.04815	0.29907	-0.05308	0.2523
2.73E-05	-0.20588	7.28E-06	-0.19626	1.94E-05	-0.24666	6.68E-08	-0.28079	6.56E-10
0.01475	-0.04874	0.29323	-0.06862	0.13869	-0.08356	0.0712	0.007066	0.87896
0.04541	-0.02803	0.54573	-0.04425	0.34004	-0.05209	0.26128	0.087688	0.05829
0.07502	-0.08528	0.06557	-0.09585	0.03839	-0.0942	0.04187	-0.1213	0.00869
0.16973	-0.1402	0.00239	-0.10884	0.01863	-0.11952	0.00973	-0.15999	0.00052
0.22138	-0.00609	0.89557	-0.19388	2.46E-05	-0.1251	0.00679	-0.15902	0.00056
0.42311	-0.02645	0.56864	-0.01913	0.68002	-0.01599	0.73035	-0.1256	0.00657
0.68665	-0.00113	0.9805	0.053109	0.25203	0.017151	0.71163	-0.16751	0.00028
0.03837	-0.12682	0.00606	-0.0812	0.07961	-0.11669	0.01162	-0.25325	2.87E-08
0.14392	-0.15931	0.00055	-0.05	0.28093	-0.08826	0.05667	-0.12661	0.00615
0.11575	-0.10044	0.03	-0.09892	0.03258	-0.10802	0.01955	-0.14171	0.00214
0.25903	-0.02198	0.63568	-0.0419	0.36632	-0.04904	0.29025	-0.14277	0.00198
3.17E-07	-0.04361	0.34708	-0.14744	0.0014	-0.17438	0.00015	-0.43093	1.54E-22
0.39608	-0.1235	0.00754	-0.04169	0.36869	-0.06407	0.1669	-0.10074	0.0295
0.23395	-0.17092	0.00021	-0.04493	0.3326	-0.09916	0.03217	-0.09496	0.04025
0.01608	-0.10995	0.01746	-0.1097	0.01772	-0.14664	0.00149	-0.18599	5.26E-05
0.00372	-0.14754	0.00139	-0.14224	0.00206	-0.14618	0.00154	-0.096	0.03811
0.78912	-0.00401	0.93108	0.020581	0.65732	0.006729	0.88469	-0.10407	0.0245
0.00219	-0.12832	0.00549	-0.12667	0.00612	-0.15654	0.00069	-0.14004	0.00242
0.57346	-0.0336	0.46882	-0.071	0.12547	-0.05006	0.2803	-0.13747	0.00291
0.75052	-0.12714	0.00593	-0.01801	0.69785	-0.02298	0.62044	-0.04859	0.29469
0.18861	-0.10038	0.0301	-0.06145	0.18492	-0.08569	0.06428	-0.12232	0.00814
0.02443	-0.15014	0.00114	-0.11464	0.01318	-0.13925	0.00256	-0.13458	0.00357

0.00045	-0.1824	7.36E-05	-0.14903	0.00124	-0.1974	1.73E-05	-0.10143	0.02841
2.80E-07	-0.25021	4.25E-08	-0.25047	4.11E-08	-0.30199	2.65E-11	-0.2059	7.26E-06
0.01366	-0.14139	0.00219	-0.10521	0.02297	-0.14525	0.00165	-0.15182	0.001
0.07306	-0.05919	0.20167	0.009969	0.82987	-0.05243	0.25816	-0.06445	0.16439
1.79E-11	-0.15111	0.00105	-0.29231	1.19E-10	-0.30484	1.69E-11	-0.28862	2.07E-10
0.12016	-0.12119	0.00875	-0.03454	0.45655	-0.05007	0.28022	-0.05418	0.24261
0.00015	-0.21757	2.07E-06	-0.20355	9.27E-06	-0.22339	1.08E-06	-0.18675	4.89E-05
0.60268	-0.04217	0.36318	-0.04342	0.34913	-0.03167	0.49478	-0.08537	0.06528
1.45E-08	-0.25957	1.25E-08	-0.2291	5.61E-07	-0.29059	1.54E-10	-0.20778	5.97E-06
0.27274	-0.02454	0.59676	-0.00642	0.88989	-0.03183	0.49257	-0.11371	0.01394
0.67263	-0.01176	0.79991	-0.05098	0.2716	-0.02163	0.64105	-0.07847	0.09028
5.48E-07	0.069269	0.135	0.161333	0.00047	0.166267	0.00031	0.039081	0.39945
0.17197	-0.02427	0.60087	0.055693	0.22965	0.058418	0.20763	-0.08153	0.07838
0.02665	-0.05426	0.24188	-0.04012	0.38708	-0.06882	0.13757	-0.09622	0.03765
0.37323	-0.09076	0.04997	-0.0225	0.62763	-0.03049	0.51105	-0.05812	0.20997
0.25791	-0.01987	0.66844	0.008246	0.85894	-0.03101	0.50385	-0.00969	0.83453
0.00047	-0.08786	0.05778	0.097493	0.03519	0.087412	0.05909	-0.03444	0.45782
0.01291	-0.0559	0.22791	0.086555	0.06163	0.074961	0.10569	-0.05569	0.2297
0.07985	-0.04577	0.32369	0.067802	0.14348	0.06038	0.19274	-0.10731	0.02037
2.16E-06	-0.17367	0.00016	-0.16322	0.0004	-0.20941	5.02E-06	-0.44014	1.51E-23
6.47E-31	0.18951	3.76E-05	0.187429	4.59E-05	0.327117	4.15E-13	0.224978	9.02E-07
3.82E-05	-0.05459	0.239	0.098515	0.0333	0.084667	0.06754	-0.01932	0.67708
3.45E-08	0.197543	1.71E-05	0.113062	0.0145	0.186211	5.15E-05	0.136859	0.00304
3.90E-29	0.073364	0.11335	0.210975	4.25E-06	0.302663	2.38E-11	0.115752	0.01231
1.84E-18	0.189422	3.79E-05	0.115272	0.01268	0.234142	3.09E-07	0.1934	2.58E-05
1.20E-20	0.134581	0.00357	0.272165	2.25E-09	0.309995	7.36E-12	0.12622	0.00631
2.52E-10	0.24237	1.14E-07	0.193233	2.62E-05	0.270001	3.04E-09	0.034773	0.45345
5.66E-14	0.05728	0.21663	0.106008	0.02195	0.169918	0.00023	0.208761	5.38E-06
2.41E-08	0.114521	0.01327	-0.04557	0.32575	0.077765	0.09324	-0.12032	0.00925
6.97E-21	0.337076	7.16E-14	0.400525	2.02E-19	0.438696	2.18E-23	0.144683	0.00172
1.13E-15	0.156437	0.00069	0.192463	2.82E-05	0.2537	2.71E-08	0.319892	1.43E-12
1.99E-08	0.135292	0.0034	0.082782	0.0739	0.160982	0.00048	0.378284	2.46E-17
2.02E-11	0.368441	1.84E-16	0.181189	8.23E-05	0.298053	4.91E-11	0.322374	9.38E-13
0.26825	0.096521	0.03706	0.153142	0.0009	0.081417	0.07881	-0.07821	0.09137
0.00078	0.234491	2.97E-07	0.348537	8.74E-15	0.260366	1.13E-08	-0.11872	0.01024
1.11E-11	0.257291	1.70E-08	0.232081	3.95E-07	0.289876	1.71E-10	0.104166	0.02438
1.18E-07	-0.01144	0.80528	0.098229	0.03382	0.110997	0.01641	0.196317	1.93E-05
0.40594	-0.11802	0.0107	-0.10469	0.02366	-0.08981	0.05243	0.078486	0.09023
1.39E-10	0.27385	1.77E-09	0.160989	0.00048	0.240723	1.40E-07	0.171636	0.00019
6.95E-20	0.156346	0.0007	0.231957	4.01E-07	0.29927	4.06E-11	0.177562	0.00011
0.0093	0.049653	0.28426	0.19131	3.16E-05	0.12111	0.0088	0.166964	0.00029
4.46E-11	0.095605	0.0389	0.328764	3.12E-13	0.311433	5.82E-12	0.159357	0.00055
5.28E-07	0.177919	0.00011	0.112215	0.01526	0.180678	8.62E-05	0.192375	2.85E-05
9.87E-16	0.072161	0.11941	0.151314	0.00104	0.215967	2.47E-06	0.114285	0.01347
1.80E-24	0.384579	6.56E-18	0.458742	1.11E-25	0.533672	9.82E-36	0.104925	0.02335

2.19E-12	0.321431	1.10E-12	0.381807	1.18E-17	0.362857	5.59E-16	0.158367	0.00059
0.00067	-0.22533	8.67E-07	0.039661	0.39248	0.005689	0.90242	0.174694	0.00015
1.30E-10	-0.11429	0.01346	-0.05886	0.20419	0.044136	0.34126	0.127645	0.00574
1.27E-05	0.073389	0.11323	0.147761	0.00136	0.137902	0.00282	0.06195	0.1814
8.46E-19	0.041203	0.37433	0.12434	0.00714	0.129925	0.00492	0.05758	0.21423
5.43E-17	0.410075	2.29E-20	0.214429	2.93E-06	0.382273	1.07E-17	-0.0195	0.67425
1.45E-21	0.3571	1.72E-15	0.364419	4.10E-16	0.419626	2.42E-21	0.267759	4.14E-09
9.17E-25	0.182198	7.50E-05	0.34834	9.07E-15	0.353878	3.19E-15	0.29104	1.44E-10
3.51E-14	0.126329	0.00626	0.254633	2.40E-08	0.286716	2.75E-10	0.016831	0.71677
5.91E-08	0.02249	0.62784	0.107928	0.01965	0.138407	0.00272	0.148822	0.00126
2.08E-14	0.063935	0.16779	0.142427	0.00203	0.200617	1.25E-05	0.227343	6.87E-07
9.30E-34	0.429618	2.13E-22	0.469865	5.07E-27	0.525278	1.76E-34	0.108759	0.01872
7.96E-07	0.05606	0.2266	-0.00642	0.88987	0.091601	0.04789	-0.02004	0.66576
7.62E-19	0.416831	4.70E-21	0.282312	5.26E-10	0.400552	2.01E-19	0.141252	0.00222
1.07E-17	0.383648	7.99E-18	0.520108	1.00E-33	0.44156	1.05E-23	0.183956	6.37E-05
0.23174	-0.15325	0.00089	0.030674	0.50845	-0.04518	0.32991	-0.00748	0.87195
5.64E-13	0.367574	2.19E-16	0.281858	5.62E-10	0.341446	3.24E-14	0.285841	3.13E-10
3.85E-08	-0.07702	0.09641	0.017285	0.70948	0.09035	0.05103	0.143357	0.0019
2.23E-12	0.365085	3.60E-16	0.284031	4.09E-10	0.360904	8.20E-16	0.246017	7.24E-08
3.61E-10	0.195941	2.00E-05	0.231475	4.24E-07	0.213546	3.22E-06	0.374371	5.52E-17
1.20E-11	-0.14911	0.00123	0.025347	0.58481	0.104854	0.02345	0.116341	0.01187
0.06845	0.081364	0.07901	0.140531	0.00234	0.025464	0.58307	-0.13709	0.00299
8.65E-05	0.212168	3.74E-06	0.169834	0.00023	0.157466	0.00064	0.273335	1.90E-09
2.69E-06	0.094092	0.04211	0.089681	0.05278	0.105055	0.02318	0.2013	1.17E-05
1.99E-22	0.228598	5.94E-07	0.143665	0.00186	0.281171	6.21E-10	0.39866	3.06E-19
0.00016	0.215959	2.48E-06	0.201658	1.13E-05	0.213409	3.27E-06	-0.12668	0.00612
7.93E-12	0.362522	5.97E-16	0.312337	5.02E-12	0.377827	2.71E-17	-0.04337	0.34967
9.23E-17	0.2482	5.49E-08	0.380793	1.46E-17	0.370669	1.17E-16	0.182819	7.08E-05
4.93E-15	0.199892	1.35E-05	0.157286	0.00065	0.2964	6.34E-11	0.361173	7.78E-16
1.49E-11	0.200128	1.32E-05	0.080132	0.08366	0.191531	3.09E-05	0.159978	0.00052
3.34E-14	0.26053	1.10E-08	0.103367	0.0255	0.264873	6.15E-09	0.396374	5.09E-19
2.40E-24	0.133528	0.00384	0.08052	0.08218	0.239074	1.71E-07	0.156399	0.00069
8.04E-08	-0.12772	0.00571	0.106735	0.02106	0.106093	0.02185	0.139299	0.00255
7.02E-17	0.50193	3.59E-31	0.312009	5.30E-12	0.421316	1.61E-21	0.297007	5.77E-11
4.62E-09	0.465217	1.86E-26	0.329863	2.57E-13	0.366251	2.85E-16	0.378279	2.46E-17
7.00E-16	0.503902	1.93E-31	0.319519	1.52E-12	0.442965	7.29E-24	0.04501	0.33176
1.04E-12	0.161978	0.00044	0.216443	2.35E-06	0.275115	1.48E-09	0.068943	0.13684
2.20E-14	0.250283	4.21E-08	0.242457	1.13E-07	0.335451	9.58E-14	0.187493	4.56E-05
2.36E-10	0.17619	0.00013	0.411393	1.69E-20	0.322868	8.62E-13	-0.09725	0.03564
2.63E-18	0.055061	0.235	0.096736	0.03664	0.216627	2.30E-06	0.194562	2.30E-05
1.44E-23	-0.02793	0.5471	0.013616	0.76916	0.153707	0.00086	0.341622	3.14E-14
3.21E-17	0.371437	1.00E-16	0.286436	2.86E-10	0.348459	8.87E-15	0.238764	1.77E-07
9.00E-19	0.499965	6.65E-31	0.345052	1.67E-14	0.449556	1.30E-24	0.176781	0.00012
2.95E-05	-0.01111	0.81073	-0.16599	0.00032	-0.01992	0.66766	-0.03637	0.43295
0.41038	0.138182	0.00277	0.145107	0.00167	0.091694	0.04766	0.103905	0.02474

4.36E-11	0.183782	6.47E-05	0.119344	0.00984	0.197339	1.74E-05	0.232522	3.75E-07
3.12E-12	0.236626	2.30E-07	0.196281	1.94E-05	0.250673	4.01E-08	0.092191	0.04646
2.78E-12	0.107018	0.02072	0.240159	1.50E-07	0.205746	7.38E-06	0.293852	9.37E-11
0.0067	0.114209	0.01353	0.118121	0.01063	0.121794	0.00842	-0.05171	0.26471
0.00031	0.121306	0.00869	0.176021	0.00013	0.125349	0.00668	0.217903	2.00E-06
4.73E-09	0.146077	0.00155	0.194404	2.33E-05	0.210187	4.62E-06	0.048509	0.29551
0.0381	0.243912	9.41E-08	0.088852	0.05501	0.087739	0.05814	-0.05351	0.24845
7.16E-06	-0.03866	0.40449	-0.1255	0.00662	0.037624	0.41727	0.161306	0.00047
4.47E-16	0.02691	0.56186	0.125013	0.00683	0.158284	0.0006	0.178406	0.00011
0.32162	-0.07093	0.12587	-0.06008	0.195	-0.08618	0.06278	-0.13022	0.00482
1.15E-08	0.155912	0.00072	0.267902	4.06E-09	0.227509	6.74E-07	0.127015	0.00599
1.85E-15	0.221272	1.37E-06	0.287712	2.37E-10	0.319299	1.58E-12	0.108234	0.01931
2.35E-05	-0.20218	1.07E-05	0.110225	0.01718	0.034934	0.45137	0.122491	0.00805
5.99E-13	0.487242	3.24E-29	0.293036	1.06E-10	0.407375	4.27E-20	0.089805	0.05245
0.00034	-0.00666	0.88578	0.168174	0.00026	0.107202	0.0205	0.186847	4.85E-05
6.79E-08	0.145149	0.00166	0.134309	0.00364	0.173993	0.00016	0.006905	0.88169
0.00857	0.369497	1.49E-16	0.300698	3.25E-11	0.261632	9.52E-09	0.182587	7.23E-05
8.65E-18	0.240197	1.49E-07	0.124867	0.0069	0.285311	3.38E-10	0.092916	0.04476
0.0088	0.040398	0.38374	0.179387	9.71E-05	0.105219	0.02296	0.009398	0.83949
1.76E-11	0.259071	1.34E-08	0.083574	0.07117	0.212141	3.75E-06	0.068413	0.13989
6.67E-07	-0.08297	0.07324	-0.00562	0.90352	0.031052	0.50324	0.00398	0.93164
0.00048	0.093066	0.04442	0.159516	0.00054	0.125657	0.00655	0.302215	2.56E-11
0.04076	-0.00705	0.87923	-0.12595	0.00642	-0.06572	0.15623	0.048166	0.29895
3.73E-17	0.147827	0.00136	0.160172	0.00051	0.222156	1.24E-06	-0.05732	0.21631
0.00425	-0.10117	0.0288	0.104897	0.02339	0.036956	0.42559	0.062809	0.17541
6.71E-05	0.037241	0.42203	0.210408	4.51E-06	0.16673	0.0003	-0.08339	0.07181
0.00661	0.023393	0.61409	0.172265	0.00018	0.115195	0.01274	-0.04506	0.33124
3.99E-06	-0.01796	0.69861	0.02483	0.5925	0.102312	0.02704	0.211536	4.00E-06
2.17E-05	-0.08979	0.0525	0.068314	0.14047	0.061896	0.18178	0.118612	0.01031
1.87E-14	0.152178	0.00097	0.174196	0.00015	0.250185	4.27E-08	0.026516	0.56761
9.94E-24	0.229309	5.47E-07	0.372179	8.64E-17	0.389507	2.28E-18	0.291643	1.31E-10
1.59E-07	0.10331	0.02558	0.037957	0.41316	0.145174	0.00166	-0.10362	0.02514
0.04992	-0.07363	0.11205	0.14437	0.00176	0.056706	0.22128	0.109783	0.01763
2.74E-29	0.371461	1.00E-16	0.338844	5.21E-14	0.432478	1.05E-22	0.310662	6.60E-12
1.31E-07	0.245578	7.65E-08	0.020668	0.65597	0.117705	0.01091	-0.06278	0.17563
5.20E-07	0.201756	1.12E-05	0.050517	0.27596	0.216791	2.26E-06	0.281171	6.21E-10
4.62E-10	-0.17056	0.00021	-0.09061	0.05037	0.026128	0.57329	0.18865	4.08E-05
8.49E-44	0.399893	2.33E-19	0.455588	2.60E-25	0.543489	3.02E-37	0.180213	9.00E-05
0.11008	0.031444	0.49786	0.149249	0.00122	0.063781	0.16881	0.127937	0.00563
0.50453	0.067488	0.14534	0.088399	0.05627	0.04427	0.33979	0.001296	0.97772
5.34E-05	0.059697	0.19783	-0.04186	0.36678	0.044961	0.33229	0.121489	0.00859
1.51E-21	0.148954	0.00125	0.225427	8.57E-07	0.292905	1.08E-10	0.262315	8.69E-09
5.23E-15	0.210742	4.36E-06	0.403237	1.10E-19	0.341891	2.99E-14	0.089172	0.05414
7.56E-24	0.42101	1.74E-21	0.318714	1.74E-12	0.40007	2.23E-19	0.165133	0.00034
0.02789	-0.04795	0.30114	-0.06067	0.19058	-0.02789	0.54771	-0.02701	0.56046

4.82E-09	-0.26262	8.33E-09	-0.27532	1.44E-09	-0.26663	4.83E-09	-0.02484	0.59233
2.31E-08	-0.16728	0.00028	-0.16943	0.00023	-0.1835	6.64E-05	-0.03769	0.41639
0.86169	0.028056	0.54531	0.154726	0.00079	0.117686	0.01092	0.010426	0.8222
9.77E-05	-0.11885	0.01015	0.014527	0.7542	-0.05679	0.22064	-0.04448	0.33754
2.32E-05	-0.14331	0.00191	-0.16723	0.00028	-0.14475	0.00171	-0.07684	0.09721
0.01092	-0.10942	0.01801	-0.09999	0.03074	-0.07956	0.08591	0.005052	0.91329
0.01278	-0.16435	0.00036	-0.03431	0.45944	-0.07602	0.10086	-0.05643	0.22357
0.00029	-0.08535	0.06534	0.078854	0.08873	-0.03258	0.48251	-0.11772	0.0109
0.00084	-0.11372	0.01393	-0.13596	0.00324	-0.09959	0.03142	-0.01584	0.73279
0.00515	-0.13855	0.00269	-0.31575	2.86E-12	-0.16946	0.00023	0.061943	0.18145
5.77E-07	-0.22299	1.13E-06	-0.31797	1.97E-12	-0.25377	2.69E-08	-0.05511	0.2346
1.22E-06	-0.16281	0.00041	-0.14863	0.00128	-0.17661	0.00012	-0.14788	0.00135
3.16E-25	0.013876	0.76489	0.023251	0.61625	0.184111	6.27E-05	0.168129	0.00026
2.74E-05	0.140344	0.00237	0.216787	2.26E-06	0.177386	0.00012	0.18804	4.33E-05
2.23E-11	0.147344	0.00141	0.042991	0.35394	0.169023	0.00024	0.228927	5.72E-07
2.14E-05	-0.08151	0.07845	0.079166	0.08747	0.072262	0.11889	-0.00101	0.98256
5.82E-20	0.248701	5.16E-08	0.493493	4.90E-30	0.418816	2.93E-21	0.094853	0.04047
0.00046	0.348173	9.36E-15	0.053554	0.24808	0.17086	0.00021	0.087545	0.0587
1.18E-39	0.258208	1.50E-08	0.34876	8.39E-15	0.458323	1.24E-25	0.145124	0.00166
0.01836	-0.10138	0.02849	-0.04255	0.35885	-0.02774	0.54988	0.092578	0.04555
4.81E-07	0.150522	0.0011	0.08221	0.07593	0.120823	0.00896	0.129884	0.00494
6.25E-13	0.427841	3.30E-22	0.444831	4.49E-24	0.407977	3.72E-20	0.133474	0.00386
0.00675	0.036707	0.42872	0.279026	8.47E-10	0.16918	0.00024	0.108772	0.01871
1.07E-13	0.215068	2.73E-06	0.125929	0.00643	0.216139	2.43E-06	0.20299	9.82E-06
0.07931	0.124745	0.00695	-0.00415	0.92865	0.028081	0.54495	0.115534	0.01248
8.43E-22	-0.02928	0.52786	0.030605	0.5094	0.159351	0.00055	0.304643	1.74E-11
1.65E-11	0.035576	0.4431	0.036009	0.43755	0.123676	0.00746	0.053198	0.25123
9.96E-26	0.319241	1.59E-12	0.216082	2.44E-06	0.353284	3.57E-15	0.283022	4.74E-10
0.00761	-0.13322	0.00393	-0.14508	0.00167	-0.07383	0.11106	0.258808	1.39E-08
6.56E-15	0.208724	5.40E-06	-0.01152	0.80385	0.178604	0.0001	0.068707	0.1382
2.64E-30	0.383993	7.43E-18	0.388003	3.16E-18	0.463018	3.43E-26	0.120467	0.00917
7.73E-15	0.11113	0.01628	-0.07262	0.11706	0.137499	0.00291	0.269965	3.05E-09
0.39148	0.036389	0.43273	-0.10542	0.0227	-0.05185	0.26343	0.032404	0.48483
0.04009	-0.0551	0.2347	-0.0427	0.35722	-0.02283	0.62267	0.244313	8.96E-08
0.00611	0.08714	0.05988	0.003074	0.94717	0.057768	0.21274	0.146267	0.00153
2.40E-38	0.414115	8.92E-21	0.432914	9.38E-23	0.524584	2.23E-34	0.206016	7.18E-06
1.73E-08	0.414495	8.16E-21	0.347035	1.16E-14	0.352178	4.40E-15	0.217104	2.18E-06
1.49E-05	0.13244	0.00414	-0.08352	0.07134	0.056474	0.22318	0.303681	2.03E-11
2.33E-18	0.117916	0.01076	0.146765	0.00147	0.273121	1.96E-09	0.288992	1.96E-10
0.00927	-0.25514	2.25E-08	0.012201	0.79258	-0.04515	0.33029	0.110004	0.0174
0.00038	-0.09385	0.04264	-0.08338	0.07185	-0.00169	0.97088	0.04014	0.38679
6.10E-06	-0.03187	0.49209	0.149843	0.00116	0.10223	0.02717	0.117398	0.01112
1.47E-16	0.168689	0.00025	0.084855	0.06693	0.222065	1.26E-06	-0.02434	0.59976
1.29E-22	0.166958	0.00029	0.067357	0.14613	0.29363	9.70E-11	0.183555	6.61E-05
6.70E-08	0.294847	8.05E-11	0.367487	2.23E-16	0.315146	3.16E-12	0.169564	0.00023



0.17824	0.05718	0.21744	0.090914	0.04959	0.050004	0.28087	0.155255	0.00076
6.45E-34	0.473349	1.88E-27	0.51942	1.26E-33	0.567228	4.08E-41	0.277906	9.95E-10
0.00013	-0.09734	0.03548	0.029604	0.52336	0.037524	0.41851	0.044906	0.33289
1.38E-14	0.140694	0.00231	0.181375	8.09E-05	0.281416	5.99E-10	0.145984	0.00156
0.13041	0.182236	7.47E-05	0.168402	0.00026	0.101012	0.02906	0.077951	0.09246
5.91E-09	0.339017	5.04E-14	0.424033	8.36E-22	0.342242	2.81E-14	0.025847	0.57742
6.93E-15	0.436787	3.54E-23	0.401959	1.46E-19	0.418112	3.47E-21	0.084804	0.0671
5.61E-13	0.122833	0.00787	0.22348	1.07E-06	0.261788	9.32E-09	0.12577	0.0065
1.37E-07	0.122589	0.008	-0.03141	0.49831	0.093331	0.04381	0.145396	0.00163
2.27E-18	0.126453	0.00621	0.028816	0.53448	0.223265	1.10E-06	0.129449	0.00508
2.87E-19	0.088188	0.05686	0.008611	0.85277	0.183276	6.78E-05	0.062004	0.18102
0.01505	-0.1717	0.00019	-0.00704	0.87941	-0.03227	0.48668	0.11817	0.01059
1.05E-15	0.110262	0.01714	0.181292	8.15E-05	0.256636	1.85E-08	0.297163	5.63E-11
0.31187	0.099697	0.03123	-0.02647	0.56832	0.020111	0.66466	-0.07789	0.0927
7.13E-33	0.386181	4.66E-18	0.3699	1.37E-16	0.464119	2.53E-26	0.310912	6.33E-12
2.03E-09	0.233082	3.51E-07	0.0391	0.39922	0.158169	0.0006	0.15085	0.00108
9.56E-11	0.182262	7.45E-05	0.168973	0.00024	0.276915	1.15E-09	-0.00712	0.878
0.90389	0.156994	0.00066	0.16675	0.0003	0.095088	0.03997	-0.05961	0.19846
1.01E-08	0.28157	5.86E-10	0.224764	9.24E-07	0.270415	2.87E-09	-0.00721	0.87655
2.97E-20	0.26725	4.44E-09	0.161699	0.00045	0.307901	1.03E-11	0.227049	7.11E-07
4.13E-06	0.094845	0.04049	0.343406	2.27E-14	0.256779	1.81E-08	0.126079	0.00637
4.77E-07	0.160402	0.0005	0.345144	1.64E-14	0.2343	3.04E-07	-0.06917	0.13554
3.39E-08	-0.02686	0.56262	0.201463	1.15E-05	0.157924	0.00061	-0.1826	7.22E-05
4.84E-09	0.159959	0.00052	0.199153	1.45E-05	0.212817	3.48E-06	-0.02235	0.6299
0.00483	0.053112	0.252	0.162887	0.00041	0.12819	0.00553	-0.07328	0.11377
0.01023	0.291712	1.30E-10	0.138404	0.00272	0.145722	0.00159	0.112267	0.01521
7.04E-17	0.162457	0.00042	0.163394	0.00039	0.276058	1.30E-09	0.230594	4.71E-07
0.0004	-0.06811	0.14168	-0.15466	0.0008	-0.02058	0.65741	-0.04803	0.3003
3.30E-14	0.225203	8.79E-07	0.27296	2.01E-09	0.281141	6.23E-10	0.268143	3.93E-09
2.93E-20	0.311477	5.78E-12	0.318603	1.77E-12	0.375371	4.50E-17	0.299041	4.21E-11
1.29E-10	0.067932	0.14271	-0.08027	0.08314	0.067121	0.14755	0.085672	0.06434
0.00407	-0.05214	0.26079	-0.08056	0.082	-0.03076	0.50725	0.019921	0.66764
1.71E-19	0.379628	1.86E-17	0.270911	2.68E-09	0.386277	4.57E-18	0.233152	3.48E-07
1.05E-15	0.213905	3.10E-06	0.284088	4.05E-10	0.305602	1.49E-11	0.411167	1.78E-20
1.11E-25	0.217237	2.15E-06	0.390123	2.00E-18	0.400286	2.13E-19	0.108222	0.01932
1.14E-05	0.018837	0.68473	0.06631	0.15252	0.084628	0.06767	0.019527	0.67383
4.74E-09	-0.17693	0.00012	-0.15691	0.00067	0.000314	0.9946	0.149351	0.00121
0.00058	0.06768	0.1442	0.04639	0.31715	0.074677	0.10702	0.071949	0.1205
0.25271	0.08979	0.05249	0.083118	0.07273	0.089152	0.0542	0.102995	0.02603
3.44E-13	0.190024	3.58E-05	0.120164	0.00934	0.222311	1.22E-06	0.26073	1.07E-08
1.68E-12	0.138607	0.00268	0.093542	0.04333	0.202173	1.07E-05	0.060705	0.19035
4.20E-07	-0.2152	2.69E-06	0.002173	0.96265	0.005139	0.91181	0.028769	0.53515
4.60E-10	0.13743	0.00292	0.17016	0.00022	0.169904	0.00023	0.143788	0.00184
1.09E-31	0.404134	8.94E-20	0.55912	9.28E-40	0.586576	1.65E-44	0.178418	0.00011
0.01603	0.264589	6.39E-09	-0.08478	0.06717	0.062652	0.1765	0.204297	8.58E-06

5.56E-06	0.215175	2.70E-06	0.122697	0.00794	0.148361	0.0013	0.220374	1.52E-06
4.19E-08	0.425872	5.34E-22	0.108361	0.01916	0.247901	5.71E-08	-0.04622	0.31891
2.94E-12	0.160777	0.00049	0.116306	0.0119	0.219968	1.59E-06	0.194274	2.36E-05
6.29E-12	0.176097	0.00013	0.398136	3.44E-19	0.340925	3.57E-14	0.047682	0.30384
0.02474	-0.01912	0.68029	0.1598	0.00053	0.06061	0.19105	-0.0283	0.54188
1.31E-22	0.325555	5.44E-13	0.254631	2.40E-08	0.370902	1.12E-16	-0.02661	0.56618
0.00079	0.012866	0.78155	0.013623	0.76904	0.039731	0.39165	0.005788	0.90072
4.23E-08	0.036002	0.43765	-0.08819	0.05686	0.069238	0.13517	0.135805	0.00328
0.04476	-0.0202	0.66329	0.002642	0.95459	0.001822	0.96868	0.19669	1.86E-05
2.89E-16	0.394006	8.57E-19	0.330495	2.30E-13	0.389363	2.35E-18	0.030235	0.51454
8.03E-07	-0.04525	0.32917	0.252345	3.23E-08	0.192848	2.72E-05	0.079411	0.08649
5.99E-42	0.387324	3.65E-18	0.361152	7.81E-16	0.487219	3.26E-29	0.165001	0.00034
5.54E-12	0.336398	8.09E-14	0.137151	0.00298	0.289012	1.95E-10	0.243206	1.03E-07
6.65E-19	0.25256	3.14E-08	0.297452	5.39E-11	0.312364	5.00E-12	-0.00464	0.92035
0.07472	0.167569	0.00028	0.068384	0.14006	0.090742	0.05003	0.129265	0.00515
0.00014	0.277274	1.09E-09	0.31389	3.89E-12	0.235493	2.63E-07	-0.01704	0.71335
3.14E-07	0.17652	0.00013	0.015382	0.74024	0.097511	0.03515	0.149609	0.00118
2.44E-19	0.203733	9.10E-06	0.050219	0.2788	0.246376	6.92E-08	0.267511	4.28E-09
0.42524	-0.01276	0.78333	0.167448	0.00028	0.040509	0.38244	-0.04486	0.33342
4.16E-11	0.219089	1.75E-06	0.362699	5.76E-16	0.308165	9.89E-12	0.088504	0.05598
0.12595	-0.15481	0.00079	0.064731	0.16254	0.040568	0.38174	0.080228	0.08329
7.05E-08	-0.00207	0.96444	0.226673	7.43E-07	0.200197	1.31E-05	0.125858	0.00646
0.97224	-0.05234	0.25896	0.051176	0.26973	0.03443	0.45793	-0.1042	0.02433
0.92608	-0.27037	2.88E-09	-0.10497	0.02329	-0.11821	0.01057	0.082737	0.07406
0.41495	-0.33055	2.28E-13	-0.13847	0.00271	-0.17194	0.00019	0.090894	0.04964
6.85E-08	-0.42554	5.80E-22	-0.38038	1.59E-17	-0.40467	7.91E-20	0.049379	0.28693
6.17E-11	-0.35366	3.32E-15	-0.26192	9.16E-09	-0.34407	2.01E-14	-0.0422	0.36289
0.13438	-0.3434	2.27E-14	-0.12945	0.00508	-0.19217	2.90E-05	0.178133	0.00011
7.00E-05	-0.57278	4.58E-42	-0.37496	4.89E-17	-0.40598	5.88E-20	-0.01975	0.6704
0.40762	-0.16825	0.00026	-0.01529	0.74176	-0.05664	0.22178	-0.00271	0.95335
0.38148	-0.14461	0.00173	-0.03656	0.43052	-0.07843	0.09045	-0.02142	0.64423
8.13E-14	-0.10922	0.01823	-0.07441	0.1083	0.086846	0.06076	0.216604	2.31E-06
0.14494	-0.38753	3.49E-18	-0.12475	0.00695	-0.1908	3.32E-05	-0.25417	2.55E-08
0.70427	-0.23835	1.86E-07	-0.0711	0.12496	-0.09299	0.04458	0.147948	0.00134
0.00042	0.059203	0.20157	0.320459	1.30E-12	0.250211	4.25E-08	0.387434	3.57E-18
1.35E-14	-0.40302	1.15E-19	-0.29247	1.16E-10	-0.37951	1.91E-17	-0.13658	0.0031
8.78E-07	0.054322	0.24135	0.226977	7.17E-07	0.238232	1.89E-07	0.1932	2.63E-05
0.72496	-0.27316	1.95E-09	0.016064	0.72916	-0.05131	0.26847	0.071747	0.12155
0.42716	-0.32583	5.19E-13	-0.05542	0.23192	-0.11901	0.01005	0.041068	0.3759
1.01E-06	-0.01518	0.74357	0.259638	1.24E-08	0.23183	4.07E-07	0.16024	0.00051
0.01704	-0.33133	1.99E-13	-0.19095	3.27E-05	-0.22956	5.31E-07	0.139636	0.00249
0.42026	-0.28753	2.43E-10	-0.01124	0.80852	-0.05887	0.2041	0.007906	0.86469
0.00655	-0.37579	4.12E-17	-0.19781	1.66E-05	-0.24614	7.13E-08	-0.00345	0.94076
0.37962	-0.26187	9.22E-09	-0.08253	0.0748	-0.1167	0.01161	0.039615	0.39304
1.06E-10	-0.44222	8.84E-24	-0.25221	3.29E-08	-0.35662	1.88E-15	-0.12835	0.00548

0.7094	-0.18003	9.15E-05	0.038494	0.40657	-0.02469	0.59464	0.014051	0.762
9.66E-17	0.220397	1.51E-06	0.403842	9.55E-20	0.417139	4.37E-21	0.25722	1.71E-08
0.01692	-0.23674	2.27E-07	-0.02402	0.60458	-0.01704	0.71337	0.182427	7.34E-05
3.38E-20	0.23837	1.86E-07	0.51019	2.59E-32	0.509633	3.10E-32	0.243168	1.03E-07
0.00039	-0.20334	9.47E-06	0.053102	0.25209	0.043815	0.34478	0.198872	1.49E-05
0.18416	-0.05863	0.20597	-0.06029	0.1934	-0.04247	0.35978	0.122823	0.00788
8.51E-18	0.044793	0.3341	0.154381	0.00082	0.243487	9.92E-08	0.198292	1.58E-05
3.17E-05	-0.12309	0.00774	0.0775	0.09436	0.098652	0.03306	0.140482	0.00234
0.01859	-0.39259	1.17E-18	-0.04305	0.35322	-0.04007	0.38767	0.021655	0.64067
0.0932	-0.22284	1.15E-06	0.050524	0.27589	-0.08774	0.05814	0.260661	1.08E-08
0.00022	-0.13381	0.00377	0.08853	0.0559	0.097503	0.03517	0.191564	3.08E-05
0.65769	-0.13087	0.00461	0.042324	0.36146	0.018101	0.69642	0.167556	0.00028
0.0029	-0.169	0.00024	-0.08219	0.076	0.009759	0.8334	0.235539	2.62E-07
6.07E-08	-0.00651	0.88846	0.257807	1.58E-08	0.239106	1.70E-07	0.15686	0.00067
0.33169	-0.26468	6.31E-09	-0.04502	0.3317	-0.14639	0.00151	-0.10059	0.02975
1.77E-08	-0.01953	0.67385	0.168919	0.00025	0.182302	7.42E-05	0.246728	6.62E-08
0.27429	-0.39279	1.12E-18	-0.21037	4.53E-06	-0.21638	2.37E-06	0.217159	2.17E-06
0.11868	-0.30685	1.22E-11	-0.19501	2.20E-05	-0.20024	1.30E-05	0.214863	2.79E-06
0.00467	-0.43037	1.77E-22	-0.19667	1.86E-05	-0.26229	8.71E-09	0.140965	0.00226
0.31715	-0.30264	2.39E-11	-0.20016	1.31E-05	-0.13081	0.00463	0.204189	8.68E-06
0.39362	-0.26562	5.55E-09	-0.05669	0.2214	-0.07798	0.09234	0.034458	0.45756
0.39883	-0.14524	0.00165	0.082167	0.07608	0.020223	0.66292	0.087135	0.0599
0.0137	-0.07365	0.11196	0.150043	0.00115	0.10273	0.02642	0.102908	0.02616
2.04E-06	-0.4775	5.71E-28	-0.30498	1.65E-11	-0.34916	7.79E-15	0.004612	0.92082
1.74E-09	-0.38729	3.68E-18	-0.27714	1.11E-09	-0.34208	2.89E-14	-0.05205	0.26167
0.03484	-0.26436	6.59E-09	-0.05015	0.27948	-0.04856	0.29503	0.075039	0.10533
1.67E-14	-0.42949	2.20E-22	-0.26572	5.48E-09	-0.39503	6.84E-19	0.016399	0.72375
0.19281	-0.22184	1.29E-06	0.115733	0.01232	-0.02695	0.5613	-0.12016	0.00935
0.08799	-0.26701	4.59E-09	-0.06154	0.18433	-0.11043	0.01697	0.02226	0.63136
0.6185	-0.3194	1.55E-12	-0.12528	0.00671	-0.12152	0.00857	0.084309	0.06871
0.09653	-0.2332	3.46E-07	-0.11167	0.01576	-0.08755	0.05869	0.066366	0.15217
4.52E-09	-0.16374	0.00038	0.07182	0.12117	0.107899	0.01969	0.29184	1.27E-10
0.94333	-0.25708	1.74E-08	-0.05266	0.25609	-0.09807	0.03411	0.19261	2.78E-05
0.21206	-0.05961	0.19851	-0.06039	0.19268	-0.03394	0.46431	0.283992	4.11E-10
0.31855	0.051654	0.26528	0.001	0.98281	-0.00666	0.88584	0.05624	0.22511
3.98E-07	-0.40146	1.63E-19	-0.1942	2.38E-05	-0.31319	4.36E-12	0.224599	9.42E-07
0.00012	-0.15535	0.00076	-0.09208	0.04672	-0.15145	0.00103	-0.1791	9.96E-05
0.00349	-0.0862	0.0627	0.00628	0.89233	0.060059	0.19512	0.059264	0.20111
2.14E-08	-0.02445	0.59814	0.008806	0.84946	0.097027	0.03607	0.369628	1.45E-16
0.00355	-0.36786	2.07E-16	-0.30765	1.07E-11	-0.28172	5.73E-10	0.029383	0.52647
0.29427	-0.31345	4.18E-12	-0.36505	3.62E-16	-0.27691	1.15E-09	0.080574	0.08197
2.80E-19	-0.4267	4.37E-22	-0.33916	4.91E-14	-0.46829	7.91E-27	-0.18539	5.56E-05
1.12E-07	0.475909	9.03E-28	0.273571	1.84E-09	0.338671	5.37E-14	0.416389	5.22E-21
2.98E-08	-0.2555	2.15E-08	-0.2833	4.55E-10	-0.32516	5.82E-13	0.279548	7.85E-10
4.20E-10	-0.43117	1.45E-22	-0.22185	1.29E-06	-0.38738	3.61E-18	-0.12622	0.00631

9.25E-35	-0.53165	1.98E-35	-0.48721	3.28E-29	-0.61777	1.73E-50	-0.13853	0.0027
4.91E-12	0.51858	1.67E-33	0.459947	7.97E-26	0.506367	8.84E-32	0.150821	0.00108
0.04654	-0.00842	0.85595	-0.16353	0.00039	-0.14152	0.00217	0.316908	2.36E-12
2.45E-16	-0.38495	6.05E-18	-0.46206	4.46E-26	-0.50254	2.96E-31	0.12288	0.00785
7.75E-12	-0.39889	2.91E-19	-0.28928	1.87E-10	-0.42063	1.90E-21	-0.12703	0.00598
0.00215	0.026182	0.57249	-0.04576	0.32381	-0.11806	0.01067	-0.28141	6.00E-10
1.81E-09	-0.15375	0.00086	-0.29037	1.59E-10	-0.33903	5.04E-14	0.170766	0.00021
0.43251	-0.02889	0.53341	0.10725	0.02044	0.016423	0.72336	0.206927	6.52E-06
2.42E-08	-0.2505	4.10E-08	-0.26308	7.83E-09	-0.32613	4.93E-13	0.112378	0.01511
7.22E-12	-0.48194	1.56E-28	-0.31384	3.92E-12	-0.43614	4.17E-23	0.048751	0.29311
0.00176	-0.40659	5.10E-20	-0.27151	2.46E-09	-0.30736	1.13E-11	0.070887	0.12609
5.98E-07	-0.19317	2.64E-05	-0.02919	0.52918	-0.21435	2.95E-06	0.006457	0.88932
1.43E-16	-0.36256	5.92E-16	-0.42871	2.66E-22	-0.45723	1.67E-25	0.083979	0.06981
3.58E-09	0.042902	0.35494	-0.21339	3.28E-06	-0.22029	1.53E-06	-0.08861	0.05568
0.5754	-0.26862	3.67E-09	-0.24363	9.76E-08	-0.19747	1.72E-05	-0.09665	0.03681
0.67771	0.053043	0.25263	0.17128	0.0002	0.062222	0.17949	0.176873	0.00012
1.19E-05	-0.23717	2.15E-07	-0.22005	1.58E-06	-0.27023	2.94E-09	-0.24965	4.57E-08
0.01346	-0.09218	0.0465	0.065055	0.16045	-0.04292	0.35472	0.178107	0.00011
3.49E-30	-0.5811	1.59E-43	-0.55403	6.30E-39	-0.63108	3.01E-53	-0.26411	6.82E-09
0.00021	-0.22798	6.38E-07	-0.06582	0.15555	-0.0726	0.11717	0.073501	0.11268
2.95E-20	-0.43316	8.83E-23	-0.16763	0.00027	-0.43237	1.08E-22	0.098943	0.03254
9.81E-11	-0.25889	1.37E-08	-0.25101	3.84E-08	-0.3553	2.43E-15	0.021275	0.64654
5.29E-10	-0.39764	3.84E-19	-0.33413	1.21E-13	-0.40615	5.65E-20	0.036118	0.43617
1.52E-15	-0.31872	1.74E-12	-0.32181	1.03E-12	-0.39626	5.22E-19	-0.03412	0.46202
1.51E-16	-0.48885	2.00E-29	-0.43496	5.62E-23	-0.53278	1.34E-35	-0.12835	0.00547
0.08157	-0.22105	1.41E-06	-0.142	0.0021	-0.18249	7.30E-05	0.158644	0.00058
0.01542	-0.4384	2.35E-23	-0.32619	4.87E-13	-0.3494	7.44E-15	0.049305	0.28766
0.35454	-0.32574	5.26E-13	-0.20559	7.50E-06	-0.20097	1.21E-05	-0.03193	0.4912
5.16E-19	-0.24156	1.26E-07	-0.31993	1.42E-12	-0.43659	3.72E-23	-0.22422	9.84E-07
0.18991	-0.17564	0.00014	-0.0496	0.28481	-0.07723	0.09551	0.113615	0.01402
0.30954	-0.20457	8.34E-06	0.156273	0.0007	-0.03244	0.48428	0.182213	7.49E-05
0.46795	-0.25744	1.66E-08	-0.13934	0.00255	-0.1629	0.00041	-0.01329	0.77448
1.29E-05	-0.2625	8.48E-09	-0.13529	0.0034	-0.23653	2.33E-07	0.008686	0.85149
0.00274	-0.30378	2.00E-11	-0.16416	0.00037	-0.22612	7.91E-07	0.260068	1.17E-08
0.00036	-0.12174	0.00845	0.16025	0.00051	-0.0567	0.22135	-0.10053	0.02984
0.09822	-0.24224	1.16E-07	-0.17527	0.00014	-0.21571	2.55E-06	0.439584	1.74E-23
7.29E-26	0.44575	3.54E-24	0.40419	8.83E-20	0.511977	1.45E-32	0.242439	1.13E-07
2.97E-07	-0.19065	3.37E-05	-0.1141	0.01362	-0.2039	8.95E-06	-0.10261	0.0266
1.62E-07	-0.21153	4.00E-06	-0.34379	2.11E-14	-0.36066	8.60E-16	0.069932	0.13129
1.75E-17	-0.38817	3.05E-18	-0.38707	3.85E-18	-0.49074	1.13E-29	-0.01717	0.71139
6.20E-11	-0.22716	7.02E-07	-0.1455	0.00162	-0.24496	8.26E-08	-0.10111	0.02891
0.34805	-0.01122	0.80887	-0.05334	0.25001	-0.06467	0.16294	0.334818	1.07E-13
5.01E-14	-0.25012	4.30E-08	-0.34019	4.08E-14	-0.39069	1.77E-18	0.097056	0.03602
6.31E-08	-0.30319	2.19E-11	-0.38777	3.32E-18	-0.40895	2.97E-20	-0.03001	0.51773
1.75E-18	-0.43713	3.24E-23	-0.33624	8.32E-14	-0.45468	3.32E-25	0.034295	0.4597

5.82E-10	-0.29327	1.03E-10	-0.18506	5.74E-05	-0.34396	2.05E-14	-0.09245	0.04584
7.32E-05	-0.14998	0.00115	-0.0576	0.21406	-0.1738	0.00016	-0.01939	0.67596
2.38E-12	-0.25844	1.46E-08	-0.42427	7.89E-22	-0.41779	3.75E-21	0.02898	0.53216
1.94E-09	-0.23066	4.67E-07	-0.18682	4.86E-05	-0.31072	6.54E-12	0.087264	0.05952
0.09182	-0.16178	0.00045	-0.10356	0.02522	-0.16858	0.00025	0.204041	8.81E-06
0.03133	-0.07432	0.10871	-0.16124	0.00047	-0.17547	0.00014	-0.28268	4.98E-10
1.14E-26	-0.61064	4.62E-49	-0.50783	5.55E-32	-0.61508	6.05E-50	-0.141	0.00226
2.68E-14	-0.48946	1.66E-29	-0.41375	9.73E-21	-0.4742	1.48E-27	-0.03935	0.39626
3.83E-05	-0.16673	0.0003	0.054695	0.23812	-0.16998	0.00022	0.034159	0.46147
1.39E-10	-0.31804	1.95E-12	-0.30673	1.25E-11	-0.37015	1.30E-16	-0.00401	0.9311
0.0586	-0.20421	8.66E-06	-0.13328	0.00391	-0.20064	1.25E-05	-0.03254	0.483
2.47E-13	-0.29775	5.14E-11	-0.25749	1.65E-08	-0.33323	1.42E-13	-0.08509	0.06616
1.42E-06	-0.05273	0.25543	0.066799	0.1495	-0.12784	0.00566	0.020956	0.65148
0.86025	-0.22299	1.13E-06	-0.16435	0.00036	-0.17242	0.00018	0.046054	0.32067
8.13E-09	-0.33139	1.97E-13	-0.19002	3.58E-05	-0.35773	1.52E-15	-0.24305	1.05E-07
1.01E-09	-0.32466	6.34E-13	-0.39577	5.81E-19	-0.42108	1.71E-21	0.009297	0.84119
0.21996	-0.24367	9.70E-08	0.045688	0.32453	-0.09399	0.04233	0.015121	0.7445
2.84E-16	-0.37138	1.02E-16	-0.3114	5.85E-12	-0.44411	5.42E-24	-0.13339	0.00388
2.78E-15	-0.55408	6.19E-39	-0.43478	5.88E-23	-0.51605	3.85E-33	-0.11185	0.0156
0.9566	-0.04395	0.34326	0.044011	0.34262	-0.02012	0.66447	0.089644	0.05287
3.54E-10	-0.40053	2.02E-19	-0.25607	1.99E-08	-0.37446	5.43E-17	0.051681	0.26502
3.65E-11	-0.12045	0.00918	-0.26422	6.71E-09	-0.32532	5.67E-13	-0.0998	0.03106
1.87E-05	-0.27346	1.87E-09	-0.28019	7.16E-10	-0.3109	6.35E-12	0.267017	4.58E-09
6.70E-07	-0.40152	1.61E-19	-0.19174	3.03E-05	-0.30715	1.17E-11	0.031568	0.49616
3.88E-05	-0.31316	4.38E-12	-0.3025	2.44E-11	-0.34513	1.65E-14	0.209532	4.96E-06
2.72E-05	0.032884	0.47838	0.083139	0.07266	-0.09223	0.04637	0.141407	0.00219
3.63E-10	-0.2363	2.39E-07	-0.22353	1.06E-06	-0.3331	1.45E-13	0.138568	0.00269
0.00095	-0.31977	1.46E-12	-0.32602	5.02E-13	-0.34897	8.07E-15	0.277338	1.08E-09
6.57E-11	-0.38251	1.02E-17	-0.3557	2.25E-15	-0.45013	1.12E-24	-0.12847	0.00543
1.07E-05	-0.28793	2.29E-10	-0.15616	0.00071	-0.25969	1.23E-08	0.114709	0.01312
3.33E-16	-0.44774	2.10E-24	-0.41799	3.57E-21	-0.4698	5.16E-27	0.139546	0.00251
4.65E-05	-0.12661	0.00615	-0.08907	0.05441	-0.18184	7.75E-05	0.175517	0.00014
5.71E-20	-0.27214	2.25E-09	-0.24639	6.91E-08	-0.41448	8.19E-21	-0.30683	1.23E-11
0.02788	-0.25119	3.75E-08	0.035051	0.44986	-0.14051	0.00234	0.017428	0.70718
2.13E-11	-0.37021	1.29E-16	-0.3639	4.55E-16	-0.42374	8.97E-22	-0.01899	0.6823
1.27E-14	-0.36773	2.12E-16	-0.36681	2.55E-16	-0.43179	1.24E-22	0.221107	1.40E-06
6.93E-05	-0.12467	0.00699	-0.282	5.50E-10	-0.28557	3.26E-10	0.124895	0.00688
0.04313	-0.17683	0.00012	-0.02978	0.52095	-0.12449	0.00707	-0.03068	0.50843
4.02E-05	0.202985	9.83E-06	0.070991	0.12554	0.192931	2.70E-05	0.467187	1.08E-26
1.14E-31	-0.4752	1.11E-27	-0.36484	3.77E-16	-0.54959	3.27E-38	-0.14232	0.00205
0.02252	-0.04373	0.34574	0.045458	0.32698	0.004337	0.92553	0.042934	0.35458
2.17E-22	-0.47956	3.13E-28	-0.43571	4.65E-23	-0.54944	3.46E-38	-0.06687	0.14904
2.04E-05	-0.4456	3.67E-24	-0.23992	1.54E-07	-0.33015	2.45E-13	-0.19877	1.51E-05
1.29E-10	-0.38836	2.92E-18	-0.26224	8.77E-09	-0.38797	3.18E-18	-0.144	0.00181
0.06052	-0.06033	0.19311	0.113886	0.0138	0.012913	0.78077	0.025902	0.57661

0.66583	-0.0925	0.04574	0.051822	0.26372	0.000676	0.98837	-0.19417	2.39E-05
0.09996	-0.12011	0.00938	0.022794	0.6232	-0.08346	0.07158	0.274299	1.66E-09
0.03034	-0.22134	1.36E-06	-0.17491	0.00015	-0.20112	1.19E-05	0.349836	6.85E-15
0.00011	-0.00422	0.92756	0.054893	0.23643	-0.09209	0.0467	-0.09814	0.03399
1.66E-09	-0.51643	3.40E-33	-0.3469	1.19E-14	-0.43662	3.70E-23	-0.34525	1.61E-14
0.03953	-0.18765	4.49E-05	-0.23602	2.47E-07	-0.26151	9.67E-09	0.052075	0.26139
6.24E-14	-0.27199	2.30E-09	-0.25567	2.10E-08	-0.39065	1.78E-18	-0.11375	0.01391
4.12E-08	-0.23807	1.93E-07	-0.3593	1.12E-15	-0.35586	2.18E-15	-0.02903	0.53145
1.52E-05	-0.16719	0.00028	-0.03173	0.49397	-0.17974	9.40E-05	-0.05692	0.21953
0.02671	0.086239	0.06259	0.158788	0.00057	0.086304	0.06239	-0.13082	0.00463
2.98E-09	-0.43365	7.80E-23	-0.27264	2.10E-09	-0.39965	2.46E-19	-0.05851	0.2069
9.18E-05	0.022568	0.62665	-0.19796	1.64E-05	-0.2084	5.59E-06	0.001726	0.97033
2.93E-11	-0.33374	1.30E-13	-0.10342	0.02543	-0.28732	2.51E-10	-0.18608	5.21E-05
1.53E-10	-0.35885	1.22E-15	-0.23728	2.12E-07	-0.37494	4.91E-17	-0.17045	0.00022
5.91E-19	-0.39032	1.91E-18	-0.38297	9.23E-18	-0.49105	1.03E-29	-0.14736	0.00141
2.69E-08	-0.27491	1.53E-09	-0.09533	0.03946	-0.27455	1.61E-09	-0.14887	0.00125
0.03064	-0.09862	0.03311	-0.02108	0.64951	-0.0989	0.03261	0.101477	0.02833
1.76E-05	-0.34417	1.97E-14	-0.27441	1.64E-09	-0.34731	1.10E-14	0.105412	0.02271
2.84E-17	-0.40612	5.69E-20	-0.46167	4.97E-26	-0.47479	1.24E-27	-0.04992	0.28172
1.03E-06	-0.20864	5.45E-06	-0.18279	7.09E-05	-0.25549	2.15E-08	-0.09045	0.05078
0.01819	-0.06375	0.16904	0.078217	0.09135	-0.05741	0.21556	-0.08983	0.05238
3.74E-12	-0.01355	0.77024	-0.1629	0.00041	-0.29368	9.62E-11	-0.15954	0.00054
3.81E-08	-0.37924	2.02E-17	-0.11044	0.01696	-0.31729	2.21E-12	-0.07635	0.09935
1.43E-08	-0.37952	1.90E-17	-0.20845	5.56E-06	-0.34677	1.22E-14	0.213942	3.09E-06
0.00073	-0.07019	0.12987	-0.00508	0.91278	-0.14198	0.0021	0.190541	3.40E-05
0.00019	-0.00406	0.93025	0.075425	0.10355	0.089993	0.05196	0.162383	0.00043
3.35E-07	0.412581	1.28E-20	0.295206	7.62E-11	0.303514	2.08E-11	0.002072	0.96437
5.08E-23	-0.64632	1.41E-56	-0.50042	5.77E-31	-0.61849	1.24E-50	-0.201	1.20E-05
2.02E-15	-0.52111	7.16E-34	-0.35694	1.77E-15	-0.48297	1.15E-28	-0.0947	0.04079
0.08197	-0.1696	0.00023	0.082911	0.07345	-0.08311	0.07276	-0.09743	0.0353
1.33E-11	-0.36099	8.06E-16	-0.2556	2.12E-08	-0.40713	4.51E-20	-0.04545	0.32711
6.82E-10	-0.02307	0.61897	-0.09685	0.03642	-0.24647	6.83E-08	-0.15575	0.00073
4.54E-11	-0.23547	2.64E-07	-0.16287	0.00041	-0.28955	1.80E-10	0.162524	0.00042
0.00609	-0.38837	2.91E-18	-0.20685	6.57E-06	-0.29666	6.09E-11	0.078609	0.08973
4.44E-19	-0.57039	1.18E-41	-0.44477	4.57E-24	-0.53207	1.72E-35	-0.11145	0.01597
3.03E-07	-0.22644	7.63E-07	-0.17125	0.0002	-0.26613	5.18E-09	0.078747	0.08917
0.11263	-0.10566	0.02239	-0.02671	0.56481	-0.08178	0.07748	0.132611	0.00409
2.38E-22	-0.34479	1.76E-14	-0.25351	2.78E-08	-0.41505	7.17E-21	0.005257	0.90979
2.11E-18	-0.19902	1.47E-05	-0.24958	4.61E-08	-0.34758	1.05E-14	-0.2399	1.54E-07
1.47E-14	-0.46352	2.99E-26	-0.54221	4.78E-37	-0.54015	1.00E-36	-0.05615	0.22583
4.07E-06	-0.43279	9.69E-23	-0.40325	1.09E-19	-0.42491	6.76E-22	0.098085	0.03408
1.82E-12	-0.43608	4.23E-23	-0.44358	6.22E-24	-0.47843	4.36E-28	-0.2257	8.30E-07
3.78E-16	-0.35993	9.92E-16	-0.35692	1.78E-15	-0.41861	3.08E-21	0.023388	0.61417
0.00017	-0.26013	1.16E-08	-0.27878	8.78E-10	-0.29381	9.43E-11	-0.03765	0.41692
2.07E-08	-0.35868	1.26E-15	-0.15672	0.00068	-0.27743	1.07E-09	0.157407	0.00064

1.42E-18	-0.40572	6.23E-20	-0.34056	3.81E-14	-0.47814	4.73E-28	-0.07563	0.1026
0.00397	-0.05271	0.25565	-0.25209	3.34E-08	-0.19358	2.53E-05	-0.11626	0.01193
0.06826	-0.05567	0.22986	-0.02344	0.61341	-0.09911	0.03225	0.263627	7.28E-09
4.22E-05	-0.3857	5.17E-18	-0.23029	4.88E-07	-0.2823	5.27E-10	0.358141	1.40E-15
3.28E-36	-0.3438	2.11E-14	-0.36708	2.42E-16	-0.53047	2.98E-35	-0.0424	0.36062
1.29E-12	-0.12858	0.00539	-0.16391	0.00038	-0.27503	1.50E-09	0.053982	0.24431
0.00293	-0.4396	1.73E-23	-0.14758	0.00138	-0.2954	7.39E-11	0.019432	0.67532
0.00286	-0.28973	1.75E-10	-0.0335	0.47014	-0.19713	1.78E-05	0.021587	0.64171
0.10848	-0.20404	8.82E-06	-0.06069	0.19048	-0.14287	0.00197	-0.14897	0.00124
1.35E-11	-0.06628	0.15268	-0.05817	0.2096	-0.21602	2.46E-06	0.001245	0.97859
0.05503	-0.22466	9.36E-07	-0.20162	1.13E-05	-0.22868	5.89E-07	-0.04311	0.35265
1.14E-18	-0.37338	6.77E-17	-0.40562	6.37E-20	-0.50502	1.35E-31	-0.00024	0.99579
0.08003	-0.24788	5.72E-08	-0.08636	0.06222	-0.16415	0.00037	-0.04724	0.30838
0.00033	-0.27417	1.69E-09	-0.25121	3.74E-08	-0.29658	6.16E-11	0.139343	0.00255
2.30E-07	-0.35176	4.77E-15	-0.13306	0.00397	-0.28034	7.01E-10	0.12619	0.00632
9.18E-20	-0.23822	1.89E-07	-0.32444	6.59E-13	-0.40396	9.30E-20	-0.14282	0.00197
0.00438	-0.18333	6.75E-05	-0.24922	4.83E-08	-0.21751	2.09E-06	0.11084	0.01656
0.00976	-0.39644	5.01E-19	-0.25883	1.38E-08	-0.31363	4.05E-12	-0.06864	0.13856
1.77E-05	-0.49177	8.29E-30	-0.37098	1.10E-16	-0.39017	1.98E-18	0.04757	0.30498
0.10217	-0.0964	0.0373	0.052572	0.25687	-0.02729	0.55642	-0.09292	0.04475
0.25775	-0.23641	2.36E-07	-0.02632	0.57045	-0.16261	0.00042	0.040573	0.38169
0.00252	-0.29679	5.97E-11	-0.11496	0.01292	-0.23813	1.92E-07	0.054799	0.23724
2.98E-12	-0.44522	4.06E-24	-0.34335	2.29E-14	-0.40864	3.19E-20	0.132352	0.00417
1.16E-06	-0.36564	3.22E-16	-0.18875	4.05E-05	-0.30609	1.38E-11	0.288862	1.99E-10
6.70E-12	-0.09774	0.03473	-0.0149	0.74806	-0.20912	5.18E-06	-0.2738	1.78E-09
4.43E-21	-0.3997	2.43E-19	-0.29285	1.09E-10	-0.43792	2.65E-23	-0.19098	3.26E-05
0.05898	0.176032	0.00013	0.067818	0.14338	0.146412	0.00151	-0.12119	0.00875
5.11E-06	-0.42248	1.22E-21	-0.25365	2.73E-08	-0.36124	7.67E-16	-0.09636	0.03738
0.18352	-0.25132	3.69E-08	-0.14049	0.00234	-0.13892	0.00262	-0.00693	0.88127
0.31706	-0.00356	0.93889	-0.14042	0.00235	-0.08682	0.06083	0.114386	0.01338
0.01383	-0.27361	1.83E-09	-0.24834	5.40E-08	-0.22476	9.25E-07	-0.00897	0.84663
6.75E-14	0.440583	1.35E-23	0.295164	7.67E-11	0.400184	2.18E-19	0.135778	0.00328
7.51E-06	-0.29511	7.73E-11	-0.21279	3.50E-06	-0.28674	2.74E-10	-0.2908	1.49E-10
2.02E-11	-0.4082	3.53E-20	-0.36432	4.18E-16	-0.44056	1.35E-23	-0.0734	0.11319
4.19E-08	-0.23608	2.45E-07	-0.2642	6.73E-09	-0.25817	1.51E-08	-0.19951	1.40E-05
1.20E-05	-0.4623	4.19E-26	-0.28217	5.37E-10	-0.37018	1.30E-16	-0.09572	0.03866
0.06077	-0.48771	2.81E-29	-0.38676	4.12E-18	-0.37938	1.96E-17	-0.12771	0.00571
8.09E-06	-0.45862	1.15E-25	-0.20854	5.51E-06	-0.35725	1.67E-15	-0.17422	0.00015
3.84E-05	-0.43168	1.28E-22	-0.29908	4.18E-11	-0.36162	7.13E-16	-0.01686	0.71624
0.59331	-0.09506	0.04003	-0.16485	0.00035	-0.12399	0.0073	0.204798	8.15E-06
4.03E-19	-0.45711	1.73E-25	-0.37785	2.69E-17	-0.48231	1.40E-28	-0.20436	8.52E-06
6.66E-14	-0.41506	7.14E-21	-0.23036	4.84E-07	-0.42802	3.16E-22	-0.20439	8.50E-06
0.00054	-0.30816	9.90E-12	-0.0233	0.6155	-0.19741	1.73E-05	0.140943	0.00227
0.42312	-0.29092	1.46E-10	-0.13567	0.00331	-0.13214	0.00423	0.061121	0.18733
9.93E-05	-0.12513	0.00678	-0.08092	0.08066	-0.16378	0.00038	-0.0918	0.04741

7.39E-08	-0.39845	3.21E-19	-0.37422	5.69E-17	-0.40136	1.67E-19	-0.10285	0.02625
0.56041	0.146186	0.00154	-0.01823	0.69444	0.004606	0.92092	0.000539	0.99074
2.13E-08	-0.20976	4.84E-06	-0.13217	0.00422	-0.27381	1.78E-09	0.033974	0.4639
2.41E-10	-0.44819	1.86E-24	-0.32043	1.30E-12	-0.41176	1.55E-20	-0.07737	0.09493
1.07E-22	-0.44341	6.49E-24	-0.36254	5.95E-16	-0.53722	2.82E-36	-0.0816	0.07812
1.13E-16	-0.30954	7.92E-12	-0.42896	2.51E-22	-0.50265	2.87E-31	-0.0842	0.06907
0.00012	-0.26418	6.75E-09	-0.13008	0.00487	-0.23202	3.98E-07	0.018332	0.69275
4.94E-07	0.205673	7.44E-06	-0.0015	0.97413	0.164671	0.00035	-0.10801	0.01956
5.56E-12	-0.33387	1.27E-13	-0.36991	1.37E-16	-0.42288	1.11E-21	0.011872	0.79804
0.00787	-0.14632	0.00152	-0.18705	4.76E-05	-0.21078	4.34E-06	0.057848	0.21211
0.02309	0.360858	8.27E-16	0.192789	2.74E-05	0.25447	2.45E-08	-0.21828	1.92E-06
1.08E-05	-0.37742	2.95E-17	-0.40014	2.20E-19	-0.37637	3.66E-17	0.273333	1.91E-09
5.87E-07	-0.12293	0.00782	-0.15306	0.00091	-0.26352	7.38E-09	-0.01437	0.75685
0.0646	-0.15368	0.00086	0.077744	0.09333	0.014228	0.75911	0.017862	0.70025
3.99E-08	-0.26296	7.96E-09	-0.3229	8.57E-13	-0.35935	1.11E-15	0.012557	0.78666
2.08E-05	-0.25157	3.57E-08	-0.07806	0.09199	-0.22508	8.92E-07	0.008651	0.8521
0.14154	-0.36806	1.98E-16	-0.16764	0.00027	-0.23989	1.55E-07	-0.28943	1.83E-10
4.96E-21	-0.17434	0.00015	-0.25159	3.57E-08	-0.34699	1.17E-14	-0.08517	0.06592
1.09E-18	-0.28873	2.04E-10	-0.26587	5.36E-09	-0.39612	5.38E-19	-0.24389	9.44E-08
0.09179	-0.04347	0.34859	0.100748	0.02949	-0.03514	0.44869	0.419529	2.47E-21
1.29E-05	-0.28477	3.66E-10	-0.25428	2.52E-08	-0.28134	6.06E-10	0.144216	0.00178
6.80E-08	-0.2533	2.86E-08	-0.24113	1.33E-07	-0.3089	8.79E-12	0.145609	0.0016
0.82299	-0.24564	7.59E-08	0.008192	0.85986	-0.12666	0.00613	0.083438	0.07164
7.81E-06	-0.25257	3.14E-08	0.025917	0.57639	0.018763	0.6859	0.076501	0.0987
0.22488	0.183106	6.89E-05	-0.1138	0.01387	-0.02809	0.54477	-0.02102	0.65054
7.82E-05	-0.25534	2.19E-08	-0.03213	0.4885	-0.19254	2.80E-05	0.045552	0.32597
4.88E-09	-0.17147	0.0002	0.048412	0.29649	-0.18805	4.32E-05	-4.14E-05	0.99929
4.38E-10	-0.32555	5.44E-13	-0.37619	3.80E-17	-0.38808	3.10E-18	0.111378	0.01604
0.24115	-0.27127	2.54E-09	-0.22676	7.35E-07	-0.2193	1.71E-06	0.327513	3.88E-13
0.04715	-0.06972	0.13247	-0.16666	0.0003	-0.17445	0.00015	0.041056	0.37603
3.03E-06	-0.05969	0.19787	-0.15186	0.00099	-0.2315	4.23E-07	-0.19304	2.67E-05
2.58E-10	-0.34785	9.95E-15	-0.17748	0.00012	-0.33786	6.21E-14	-0.27149	2.47E-09
1.31E-20	-0.36879	1.71E-16	-0.26966	3.18E-09	-0.41637	5.24E-21	0.030125	0.51607
0.83925	0.134263	0.00365	0.029163	0.52957	0.030254	0.51427	0.199423	1.41E-05
7.31E-11	-0.2331	3.50E-07	-0.16093	0.00048	-0.28241	5.18E-10	-0.1013	0.0286
0.03195	0.059132	0.20211	-0.03749	0.41898	-0.08899	0.05463	0.031157	0.5018
0.00015	-0.22538	8.62E-07	-0.11253	0.01497	-0.20632	6.96E-06	-0.0207	0.65544
2.65E-05	-0.21998	1.59E-06	-0.20975	4.84E-06	-0.25887	1.38E-08	0.020447	0.65941
0.81995	-0.19158	3.08E-05	-0.06386	0.16827	-0.11582	0.01226	0.165639	0.00032
2.21E-17	-0.41998	2.22E-21	-0.28041	6.94E-10	-0.40651	5.20E-20	-0.25663	1.85E-08
0.0005	-0.28615	2.99E-10	-0.02807	0.54511	-0.21877	1.82E-06	-0.10086	0.0293
1.20E-15	-0.45221	6.44E-25	-0.40892	2.99E-20	-0.48369	9.31E-29	-0.17933	9.75E-05
0.38427	-0.38627	4.57E-18	-0.24282	1.08E-07	-0.25536	2.19E-08	-0.03083	0.50632
4.77E-06	-0.08604	0.0632	-0.2156	2.58E-06	-0.22554	8.46E-07	-0.16142	0.00046
6.07E-09	0.390273	1.93E-18	0.28816	2.22E-10	0.378205	2.50E-17	0.182312	7.42E-05



4.70E-07	-0.19497	2.21E-05	-0.29953	3.90E-11	-0.31799	1.96E-12	-0.00665	0.88606
6.98E-05	-0.20298	9.83E-06	0.020895	0.65243	-0.14166	0.00215	-0.02976	0.52116
1.76E-14	-0.17803	0.00011	-0.23298	3.55E-07	-0.3559	2.16E-15	-0.24437	8.89E-08
0.69553	-0.20386	8.98E-06	-0.02368	0.6098	-0.0708	0.12656	0.189019	3.94E-05
8.86E-17	-0.26268	8.26E-09	-0.38966	2.21E-18	-0.44702	2.53E-24	-0.13004	0.00488
0.00301	-0.34647	1.29E-14	-0.26737	4.37E-09	-0.29354	9.83E-11	0.025796	0.57818
0.00968	-0.27414	1.70E-09	-0.24276	1.09E-07	-0.2627	8.25E-09	0.120818	0.00896
2.20E-21	-0.43855	2.26E-23	-0.45594	2.37E-25	-0.56818	2.82E-41	-0.19075	3.34E-05
1.41E-17	-0.51931	1.31E-33	-0.27349	1.86E-09	-0.46291	3.54E-26	-0.17248	0.00018
0.0003	-0.14356	0.00187	0.075389	0.10371	-0.10113	0.02887	-0.16661	0.0003
0.24795	-0.05929	0.20091	0.048512	0.29549	-0.04132	0.37292	0.417871	3.67E-21
0.54003	-0.3423	2.78E-14	-0.16922	0.00024	-0.20613	7.09E-06	-0.06454	0.1638
1.56E-21	-0.22542	8.57E-07	-0.25636	1.92E-08	-0.38109	1.37E-17	0.029323	0.52732
1.55E-22	0.497189	1.57E-30	0.345477	1.55E-14	0.440914	1.24E-23	0.271263	2.55E-09
1.60E-09	-0.38236	1.05E-17	-0.29697	5.80E-11	-0.3853	5.62E-18	0.059362	0.20036
0.7955	-0.2101	4.66E-06	-0.23049	4.77E-07	-0.17176	0.00019	0.293419	1.00E-10
2.00E-08	-0.35639	1.97E-15	-0.28063	6.71E-10	-0.36578	3.13E-16	-0.05622	0.2253
0.02795	-0.23295	3.57E-07	-0.20867	5.43E-06	-0.23368	3.27E-07	0.087778	0.05803
0.08486	-0.24059	1.42E-07	-0.04342	0.34914	-0.13722	0.00296	-0.0283	0.54178
0.00062	-0.26486	6.16E-09	-0.11232	0.01516	-0.21799	1.98E-06	-0.18677	4.89E-05
4.99E-10	-0.54008	1.03E-36	-0.34717	1.13E-14	-0.45009	1.13E-24	-0.13013	0.00485
0.53306	0.020302	0.66168	-0.05197	0.26237	-0.06159	0.18394	-0.13672	0.00307
4.17E-06	-0.38927	2.40E-18	-0.3453	1.60E-14	-0.38238	1.05E-17	-0.0063	0.89198
2.15E-22	-0.4663	1.38E-26	-0.54674	9.28E-38	-0.58565	2.43E-44	-0.09532	0.0395
3.08E-06	-0.37737	2.97E-17	-0.26586	5.37E-09	-0.33884	5.21E-14	-0.07297	0.11531
0.00028	-0.19875	1.51E-05	-0.16815	0.00026	-0.24553	7.69E-08	-0.28892	1.98E-10
0.01887	-0.19508	2.18E-05	-0.03005	0.5171	-0.12834	0.00548	0.081212	0.07957
0.00321	-0.44886	1.56E-24	-0.1779	0.00011	-0.29314	1.04E-10	-0.16116	0.00047
0.00036	-0.13482	0.00351	0.035128	0.44886	-0.11832	0.0105	0.130139	0.00485
0.0257	0.123728	0.00743	0.075979	0.10103	0.11117	0.01624	0.123065	0.00776
0.04581	-0.08909	0.05438	-0.10193	0.02763	-0.05002	0.28068	0.293937	9.25E-11
1.95E-16	-0.27206	2.28E-09	-0.34455	1.84E-14	-0.42209	1.34E-21	-0.03885	0.40225
0.00245	-0.02544	0.58344	-0.19156	3.08E-05	-0.20675	6.65E-06	0.278259	9.45E-10
1.68E-22	-0.42951	2.18E-22	-0.37077	1.15E-16	-0.49198	7.77E-30	-0.17216	0.00019
0.01205	-0.20498	8.00E-06	-0.18499	5.78E-05	-0.22462	9.39E-07	0.054888	0.23647
0.00074	-0.25402	2.60E-08	-0.17148	0.0002	-0.2611	1.02E-08	0.048508	0.29553
0.27745	-0.09997	0.03077	-0.08119	0.07966	-0.1257	0.00653	0.212075	3.78E-06
0.0479	-0.14015	0.0024	0.044587	0.33634	0.001135	0.98048	0.030008	0.51771
7.63E-12	-0.09241	0.04594	-0.1018	0.02782	-0.24459	8.65E-08	-0.08965	0.05286
1.84E-10	-0.4388	2.12E-23	-0.26488	6.14E-09	-0.40969	2.50E-20	-0.1615	0.00046
0.3212	-0.11837	0.01046	0.097846	0.03453	-0.05922	0.20141	0.074544	0.10765
6.98E-07	-0.40455	8.13E-20	-0.15856	0.00058	-0.3032	2.19E-11	-0.11716	0.01128
3.95E-12	-0.4062	5.59E-20	-0.22598	8.04E-07	-0.39172	1.41E-18	-0.26361	7.29E-09
0.01127	-0.39949	2.55E-19	-0.05678	0.22069	-0.22406	1.00E-06	-0.08163	0.07802
2.58E-20	-0.14422	0.00178	-0.31059	6.68E-12	-0.36498	3.67E-16	-0.22058	1.48E-06

3.03E-20	-0.58277	7.99E-44	-0.45062	9.83E-25	-0.56495	9.90E-41	-0.24761	5.92E-08
2.75E-05	0.186039	5.23E-05	0.106075	0.02187	0.193868	2.46E-05	-0.05593	0.2277
0.51105	-0.04675	0.31344	-0.07767	0.09365	-0.06651	0.15128	0.365576	3.26E-16
0.63789	-0.13153	0.00441	-0.15601	0.00072	-0.11983	0.00954	0.462255	4.23E-26
3.76E-09	-0.18983	3.65E-05	-0.11832	0.0105	-0.26715	4.50E-09	-0.05358	0.24782
3.56E-07	-0.35003	6.60E-15	-0.1192	0.00993	-0.30272	2.36E-11	-0.06595	0.15479
2.00E-06	0.316691	2.44E-12	0.281227	6.16E-10	0.308497	9.38E-12	0.305471	1.52E-11
8.13E-06	-0.06573	0.15616	0.079512	0.08609	-0.13016	0.00485	-0.03533	0.44627
2.24E-39	0.550977	1.96E-38	0.429011	2.47E-22	0.646289	1.43E-56	0.155869	0.00072
7.73E-05	-0.26246	8.51E-09	-0.23497	2.80E-07	-0.30485	1.68E-11	0.131055	0.00456
1.06E-05	-0.29959	3.86E-11	-0.21186	3.86E-06	-0.29748	5.37E-11	0.005993	0.89724
3.46E-08	-0.26691	4.66E-09	-0.05131	0.26844	-0.20167	1.13E-05	-0.0526	0.25662
0.05192	0.03993	0.38927	-0.08971	0.05269	-0.105	0.02325	0.151235	0.00104
0.26248	0.142082	0.00209	0.175684	0.00014	0.093871	0.0426	0.142291	0.00205
3.74E-11	-0.44507	4.22E-24	-0.44731	2.35E-24	-0.4667	1.23E-26	0.131092	0.00455
0.00417	-0.17495	0.00014	-0.05542	0.23198	-0.16097	0.00048	-0.13297	0.00399
3.66E-07	-0.30775	1.06E-11	-0.23367	3.28E-07	-0.30504	1.63E-11	-0.06061	0.19103
1.78E-08	-0.25075	3.97E-08	-0.03926	0.39724	-0.22969	5.23E-07	-0.06759	0.14472
1.02E-15	-0.19795	1.64E-05	-0.13197	0.00428	-0.31865	1.76E-12	-0.07628	0.09969
0.00055	-0.2925	1.15E-10	-0.32362	7.58E-13	-0.34203	2.92E-14	-0.12419	0.00721
8.07E-16	-0.32718	4.11E-13	-0.47819	4.67E-28	-0.47893	3.77E-28	-0.04607	0.32049
0.00079	-0.35744	1.61E-15	-0.27773	1.02E-09	-0.34585	1.44E-14	-0.00787	0.86524
0.44422	0.09623	0.03763	0.148574	0.00128	0.016426	0.72331	0.033445	0.47089
0.55893	0.067483	0.14537	-0.02869	0.5362	-0.01949	0.67446	0.185353	5.58E-05
0.48342	-0.01689	0.71577	-0.01803	0.69763	-0.05611	0.22616	0.474964	1.19E-27
2.71E-13	-0.28142	5.98E-10	-0.20269	1.01E-05	-0.31563	2.91E-12	-0.0964	0.0373
1.12E-15	-0.3519	4.64E-15	-0.08132	0.07918	-0.32693	4.29E-13	-0.03337	0.47193
7.01E-05	-0.09988	0.03093	-0.12386	0.00737	-0.18261	7.22E-05	0.059638	0.19828
6.55E-05	-0.20082	1.23E-05	-0.10583	0.02218	-0.21449	2.91E-06	0.105212	0.02297
5.64E-06	-0.0361	0.43644	-0.25412	2.57E-08	-0.24109	1.33E-07	0.1024	0.02691
0.0007	-0.30768	1.07E-11	-0.20921	5.13E-06	-0.28539	3.34E-10	0.025814	0.57791
8.00E-06	0.270218	2.95E-09	0.259895	1.20E-08	0.292845	1.09E-10	-0.22001	1.58E-06
2.82E-07	-0.24831	5.42E-08	-0.36101	8.03E-16	-0.36269	5.78E-16	0.071399	0.12337
9.96E-05	0.443079	7.08E-24	0.279255	8.19E-10	0.301922	2.68E-11	0.22221	1.24E-06
2.25E-22	-0.42792	3.24E-22	-0.383	9.16E-18	-0.50822	4.88E-32	-0.15725	0.00065
7.05E-13	-0.20054	1.26E-05	-0.23027	4.89E-07	-0.33597	8.73E-14	0.026533	0.56736
0.18304	-0.26915	3.42E-09	-0.23848	1.84E-07	-0.19967	1.38E-05	-0.18082	8.51E-05
5.87E-05	-0.30602	1.40E-11	-0.25393	2.63E-08	-0.28135	6.04E-10	0.016711	0.71872
0.04493	-0.31116	6.08E-12	-0.22551	8.49E-07	-0.24866	5.18E-08	0.177612	0.00011
0.00339	-0.10252	0.02673	-0.10114	0.02886	-0.15744	0.00064	0.001288	0.97785
1.19E-05	-0.06729	0.14654	-0.11693	0.01145	-0.18874	4.05E-05	0.03589	0.43907
1.88E-06	0.18768	4.48E-05	0.162974	0.00041	0.255521	2.14E-08	-0.2165	2.33E-06
1.51E-08	-0.29753	5.32E-11	-0.21892	1.79E-06	-0.33165	1.88E-13	-0.08253	0.07479
0.00219	-0.19817	1.60E-05	-0.07405	0.10999	-0.19915	1.45E-05	0.029243	0.52844
4.04E-11	-0.40379	9.67E-20	-0.31759	2.10E-12	-0.40949	2.62E-20	-0.08938	0.05358

4.67E-07	-0.08903	0.05453	-0.01093	0.81378	-0.15496	0.00078	0.001951	0.96647
1.28E-05	-0.21235	3.67E-06	-0.09557	0.03897	-0.24475	8.48E-08	0.044093	0.34172
2.00E-17	-0.47691	6.77E-28	-0.37298	7.34E-17	-0.49443	3.68E-30	0.059188	0.20169
0.00046	-0.20671	6.68E-06	-0.00989	0.83115	-0.17723	0.00012	-0.06576	0.15593
8.93E-09	-0.10493	0.02335	0.002788	0.95208	-0.2016	1.13E-05	-0.05164	0.26541
5.01E-11	-0.21078	4.34E-06	-0.07693	0.0968	-0.26865	3.66E-09	-0.15006	0.00114
0.28782	-0.38024	1.64E-17	-0.1594	0.00055	-0.20544	7.62E-06	-0.06687	0.14905
2.91E-05	-0.17995	9.22E-05	-0.0458	0.32338	-0.21931	1.71E-06	-0.20719	6.35E-06
1.47E-07	-0.30129	2.96E-11	-0.09371	0.04295	-0.27091	2.68E-09	-0.21605	2.45E-06
0.0038	-0.27428	1.67E-09	-0.21666	2.29E-06	-0.29085	1.48E-10	-0.0956	0.03891
1.67E-06	-0.20369	9.14E-06	-0.07028	0.12937	-0.23617	2.43E-07	-0.04695	0.31131
2.31E-22	-0.2874	2.48E-10	-0.24594	7.31E-08	-0.4242	8.03E-22	0.027314	0.556
0.00128	-0.14245	0.00203	0.043999	0.34275	-0.1381	0.00278	-0.08987	0.05227
0.02447	-0.3467	1.23E-14	-0.06791	0.14285	-0.13444	0.00361	0.063617	0.16991
0.2512	-0.11365	0.01399	0.161265	0.00047	-0.01801	0.69784	0.219634	1.65E-06
0.00058	-0.06648	0.15149	-0.0292	0.529	-0.12822	0.00552	-0.03474	0.45383
2.39E-14	-0.26208	8.96E-09	-0.23535	2.68E-07	-0.35836	1.35E-15	-0.15092	0.00107
2.69E-19	-0.42416	8.11E-22	-0.32058	1.27E-12	-0.44486	4.46E-24	-0.1537	0.00086
0.23413	-0.25002	4.36E-08	-0.14099	0.00226	-0.12105	0.00883	0.188065	4.32E-05
0.0509	-0.02574	0.57903	-0.02639	0.5694	-0.07112	0.12486	0.128619	0.00538
0.00045	-0.31226	5.08E-12	-0.19453	2.31E-05	-0.27968	7.71E-10	-0.05407	0.24351
3.19E-05	-0.3301	2.47E-13	-0.36227	6.27E-16	-0.34625	1.34E-14	0.332809	1.53E-13
0.07733	-0.04973	0.28352	0.12133	0.00867	-0.01204	0.79532	0.069726	0.13243
0.4758	-0.02605	0.57447	-0.16789	0.00027	-0.14395	0.00182	0.064663	0.16298
4.26E-41	-0.51228	1.32E-32	-0.37432	5.58E-17	-0.58217	1.02E-43	-0.42633	4.78E-22
0.03266	-0.15317	0.0009	-0.02857	0.53795	-0.10646	0.02139	0.130096	0.00486
3.44E-09	0.327522	3.87E-13	0.274338	1.65E-09	0.346656	1.24E-14	0.048911	0.29153
2.17E-05	-0.29948	3.93E-11	-0.36147	7.34E-16	-0.34627	1.33E-14	0.297689	5.19E-11
0.00109	-0.11231	0.01517	-0.22506	8.93E-07	-0.18472	5.93E-05	0.062234	0.1794
0.00412	-0.1636	0.00039	-0.16915	0.00024	-0.20443	8.46E-06	0.150307	0.00112
9.35E-10	-0.43489	5.71E-23	-0.35088	5.62E-15	-0.40603	5.80E-20	0.064821	0.16196
9.81E-12	-0.3406	3.79E-14	-0.45734	1.62E-25	-0.47541	1.04E-27	0.011135	0.81034
1.64E-34	-0.57072	1.03E-41	-0.46294	3.50E-26	-0.63214	1.79E-53	-0.33652	7.91E-14
1.41E-13	-0.36818	1.94E-16	-0.25098	3.85E-08	-0.40039	2.08E-19	-0.28729	2.52E-10
4.57E-11	-0.15459	0.0008	-0.20934	5.06E-06	-0.27444	1.63E-09	0.145824	0.00158
0.01023	-0.21966	1.64E-06	-0.01981	0.66943	-0.05579	0.22888	0.079421	0.08645
1.45E-06	-0.21591	2.49E-06	-0.10527	0.02289	-0.25731	1.69E-08	0.051836	0.26359
1.57E-12	-0.11509	0.01282	-0.28329	4.55E-10	-0.33957	4.56E-14	0.004747	0.91851
1.54E-06	-0.22946	5.38E-07	-0.10076	0.02947	-0.22095	1.42E-06	0.267297	4.41E-09
0.16838	-0.0764	0.09916	0.003491	0.94003	-0.06755	0.145	0.157879	0.00062
7.07E-06	-0.31114	6.11E-12	-0.23097	4.50E-07	-0.3124	4.97E-12	0.155977	0.00072
0.7342	0.026993	0.56065	0.029798	0.52064	0.031376	0.49879	0.267418	4.34E-09
0.00633	-0.09251	0.0457	0.003277	0.9437	-0.11607	0.01207	-0.00635	0.89113
0.00861	-0.13713	0.00298	-0.02739	0.55496	-0.14926	0.00122	0.10745	0.0202
5.60E-05	-0.08558	0.06463	-0.1551	0.00077	-0.21545	2.62E-06	0.156022	0.00072

6.31E-12	-0.33506	1.03E-13	-0.33451	1.13E-13	-0.38892	2.59E-18	-0.03731	0.42121
0.02855	-0.09862	0.03312	-0.09149	0.04816	-0.14481	0.0017	0.015761	0.73408
1.78E-23	-0.43508	5.45E-23	-0.27062	2.79E-09	-0.45381	4.20E-25	-0.24204	1.19E-07
2.64E-10	-0.2049	8.07E-06	-0.17506	0.00014	-0.29467	8.27E-11	-0.23577	2.55E-07
6.70E-07	-0.42008	2.17E-21	-0.30415	1.88E-11	-0.38805	3.12E-18	0.075679	0.10239
3.57E-13	-0.47101	3.67E-27	-0.29465	8.29E-11	-0.43307	9.02E-23	-0.04077	0.37932
8.76E-09	-0.25423	2.53E-08	-0.20087	1.22E-05	-0.34203	2.92E-14	-0.18613	5.19E-05
0.0021	-0.04914	0.28931	-0.07399	0.11031	-0.13494	0.00348	0.280005	7.35E-10
1.63E-20	-0.52386	2.84E-34	-0.47008	4.77E-27	-0.58897	6.05E-45	-0.06041	0.19253
1.42E-11	-0.38353	8.19E-18	-0.24243	1.13E-07	-0.38059	1.52E-17	0.076967	0.09666
0.00084	-0.43386	7.41E-23	-0.21326	3.32E-06	-0.32264	8.96E-13	-0.18738	4.61E-05
4.37E-09	-0.37635	3.67E-17	-0.39731	4.13E-19	-0.4266	4.48E-22	0.138223	0.00276
2.06E-16	-0.45065	9.75E-25	-0.19388	2.46E-05	-0.40264	1.25E-19	-0.09572	0.03867
4.19E-23	-0.48886	1.99E-29	-0.40137	1.67E-19	-0.53699	3.06E-36	-0.22965	5.26E-07
0.00012	-0.28203	5.48E-10	-0.25205	3.36E-08	-0.30743	1.11E-11	-0.166	0.00031
4.49E-06	-0.35708	1.72E-15	-0.32518	5.80E-13	-0.3649	3.73E-16	0.215767	2.53E-06
0.11537	-0.2118	3.89E-06	-0.01964	0.67206	-0.14353	0.00187	-0.15662	0.00068
1.03E-09	-0.37411	5.82E-17	-0.27706	1.12E-09	-0.36389	4.55E-16	0.035591	0.44289
1.03E-05	-0.34339	2.27E-14	-0.08905	0.05446	-0.22933	5.46E-07	-0.11273	0.0148
0.31124	-0.14676	0.00147	0.006732	0.88463	-0.12651	0.00619	0.153036	0.00091
0.00031	-0.10066	0.02963	-0.03868	0.40426	-0.12896	0.00525	0.254722	2.38E-08
1.92E-05	-0.20718	6.35E-06	-0.14633	0.00152	-0.22376	1.04E-06	0.078529	0.09006
2.71E-07	-0.06908	0.13604	-0.05092	0.27218	-0.17478	0.00015	-0.16768	0.00027
8.92E-16	-0.46029	7.26E-26	-0.47019	4.62E-27	-0.51986	1.09E-33	-0.15481	0.00079
0.13135	-0.35022	6.38E-15	-0.22245	1.20E-06	-0.24012	1.50E-07	0.076878	0.09705
1.19E-13	-0.34003	4.20E-14	-0.28577	3.16E-10	-0.41075	1.96E-20	-0.19144	3.12E-05
0.00984	-0.28433	3.91E-10	-0.23748	2.07E-07	-0.26517	5.90E-09	0.0292	0.52905
1.48E-20	-0.47975	2.96E-28	-0.32723	4.07E-13	-0.51094	2.04E-32	-0.11972	0.00961
0.00113	-0.34044	3.90E-14	-0.02823	0.54284	-0.21009	4.67E-06	-0.03961	0.39315
0.00102	-0.01915	0.67983	0.048431	0.29629	-0.10132	0.02857	0.017728	0.70239
2.73E-06	-0.1141	0.01362	-0.13554	0.00334	-0.2064	6.89E-06	-0.17851	0.00011
0.97155	0.072093	0.11976	0.021663	0.64054	-0.05756	0.21438	0.017388	0.70782
0.00142	-0.10055	0.02981	-0.15987	0.00052	-0.18455	6.02E-05	0.096374	0.03735
0.44729	-0.26515	5.91E-09	-0.10928	0.01816	-0.1738	0.00016	0.011759	0.79993
2.06E-07	-0.19352	2.55E-05	-0.30831	9.67E-12	-0.32162	1.07E-12	-0.1114	0.01602
0.06087	0.043535	0.34787	-0.00493	0.91531	-0.10346	0.02536	-0.11754	0.01102
0.00033	-0.46648	1.31E-26	-0.20708	6.42E-06	-0.29608	6.66E-11	-0.14263	0.002
1.86E-09	-0.46125	5.59E-26	-0.24896	4.99E-08	-0.38279	9.58E-18	-0.10197	0.02757
0.55298	-0.26439	6.56E-09	-0.0295	0.52477	-0.11652	0.01174	0.018163	0.69544
1.49E-09	-0.27032	2.90E-09	-0.23104	4.47E-07	-0.31342	4.20E-12	-0.39208	1.31E-18
0.35637	0.152903	0.00092	0.117048	0.01136	0.091242	0.04877	0.278471	9.17E-10
5.32E-20	-0.30514	1.61E-11	-0.25027	4.22E-08	-0.4419	9.58E-24	-0.31092	6.33E-12
0.00101	0.109785	0.01763	0.036093	0.43648	-0.04359	0.34731	0.066823	0.14936
8.68E-12	0.475662	9.70E-28	0.437026	3.33E-23	0.459356	9.37E-26	0.153014	0.00091
1.27E-16	-0.48785	2.71E-29	-0.56607	6.41E-41	-0.58247	9.06E-44	-0.08985	0.05233

1.24E-05	-0.21755	2.08E-06	-0.27459	1.60E-09	-0.30913	8.46E-12	0.015191	0.74335
4.57E-07	-0.21793	1.99E-06	0.002903	0.95011	-0.20226	1.06E-05	0.035682	0.44173
1.76E-06	-0.25087	3.91E-08	0.016856	0.71638	-0.18937	3.81E-05	0.0826	0.07454
4.42E-12	-0.27758	1.04E-09	-0.27463	1.59E-09	-0.38253	1.01E-17	0.132955	0.004
0.05638	0.253264	2.87E-08	0.188458	4.16E-05	0.204517	8.39E-06	-0.12284	0.00787
0.39008	0.036922	0.42602	-0.03462	0.45541	-0.01913	0.68006	0.30011	3.56E-11
0.01266	-0.28752	2.44E-10	-0.24567	7.56E-08	-0.25859	1.43E-08	0.074479	0.10796
1.31E-05	-0.27718	1.10E-09	-0.09032	0.05111	-0.22172	1.31E-06	-0.14758	0.00138
1.64E-11	-0.18512	5.71E-05	-0.14884	0.00126	-0.29113	1.42E-10	-0.20262	1.02E-05
2.51E-08	-0.32917	2.90E-13	-0.2636	7.31E-09	-0.35513	2.51E-15	-0.01098	0.81293
0.0148	-0.27069	2.76E-09	-0.24264	1.10E-07	-0.23826	1.89E-07	-0.26073	1.07E-08
1.50E-12	-0.43787	2.69E-23	-0.40776	3.91E-20	-0.4687	7.03E-27	-0.13651	0.00312
3.15E-07	-0.35747	1.60E-15	-0.28174	5.71E-10	-0.3625	5.99E-16	-0.13826	0.00275
0.00508	-0.2876	2.41E-10	-0.11016	0.01724	-0.23408	3.12E-07	0.016086	0.72881
9.64E-09	-0.40772	3.94E-20	-0.37575	4.16E-17	-0.41256	1.29E-20	-0.07037	0.12886
0.99898	-0.27107	2.62E-09	-0.047	0.31081	-0.11048	0.01692	0.469367	5.83E-27
3.35E-14	-0.39107	1.63E-18	-0.33552	9.46E-14	-0.40715	4.49E-20	-0.12901	0.00524
1.36E-23	-0.32516	5.82E-13	-0.30829	9.69E-12	-0.44464	4.72E-24	-0.04574	0.324
7.37E-12	-0.32773	3.73E-13	-0.19749	1.72E-05	-0.32635	4.74E-13	-0.33278	1.54E-13
0.18094	-0.00452	0.92241	0.114649	0.01317	0.037097	0.42383	0.173647	0.00016
3.09E-23	-0.52734	8.75E-35	-0.48245	1.34E-28	-0.5343	7.89E-36	-0.29798	4.96E-11
0.15462	-0.04741	0.3066	-0.12392	0.00734	-0.15255	0.00094	-0.01949	0.67449
0.00875	-0.24993	4.41E-08	-0.11351	0.01411	-0.22657	7.51E-07	0.045523	0.32628
0.01866	-0.22453	9.49E-07	-0.10605	0.0219	-0.19356	2.54E-05	-0.13511	0.00344
0.91406	-0.25538	2.18E-08	-0.12288	0.00785	-0.17078	0.00021	0.16462	0.00035
1.41E-06	-0.07163	0.12214	-0.17018	0.00022	-0.22081	1.45E-06	0.183552	6.61E-05
1.55E-29	0.577135	7.97E-43	0.377496	2.90E-17	0.586798	1.50E-44	0.26089	1.05E-08
0.0478	-0.07945	0.08633	0.014609	0.75286	-0.0979	0.03442	-0.02019	0.66338
0.00014	0.302993	2.26E-11	0.153457	0.00088	0.231646	4.16E-07	0.201755	1.12E-05
3.25E-06	-0.34011	4.14E-14	-0.11491	0.01296	-0.28818	2.21E-10	-0.08324	0.07233
0.01288	-0.07215	0.11945	0.065728	0.15615	-0.05989	0.19635	0.11946	0.00977
0.2551	-0.2832	4.62E-10	-0.17153	0.0002	-0.18482	5.87E-05	-0.12689	0.00604
5.99E-13	-0.34681	1.21E-14	-0.31679	2.40E-12	-0.40556	6.46E-20	-0.00836	0.85696
2.36E-13	-0.29201	1.24E-10	-0.08962	0.05294	-0.24769	5.86E-08	-0.40498	7.37E-20
2.91E-14	-0.36155	7.22E-16	-0.34108	3.47E-14	-0.44979	1.22E-24	-0.01925	0.67821
2.17E-12	-0.3484	8.97E-15	-0.18081	8.52E-05	-0.39273	1.13E-18	-0.23056	4.72E-07
1.50E-14	-0.39093	1.68E-18	-0.39474	7.30E-19	-0.47999	2.77E-28	-0.05714	0.21778
0.07507	0.02224	0.63167	0.163205	0.0004	0.07835	0.09079	0.053403	0.24941
0.00024	0.014905	0.74802	-0.09792	0.03439	-0.13112	0.00454	-0.01902	0.68181
5.73E-13	-0.40358	1.01E-19	-0.35862	1.28E-15	-0.41927	2.63E-21	-0.08771	0.05824
7.49E-06	-0.12153	0.00856	-0.12462	0.00701	-0.23624	2.41E-07	0.005804	0.90045
0.34309	-0.09595	0.0382	-0.03484	0.45259	-0.02145	0.64378	0.058272	0.20876
5.62E-16	-0.39479	7.22E-19	-0.32484	6.15E-13	-0.42257	1.19E-21	0.166831	0.00029
3.40E-13	-0.25117	3.76E-08	-0.31138	5.87E-12	-0.39299	1.07E-18	-0.09367	0.04305
1.15E-06	-0.19279	2.73E-05	-0.31682	2.39E-12	-0.29788	5.04E-11	-0.18773	4.46E-05

9.38E-22	-0.35662	1.88E-15	-0.47506	1.15E-27	-0.50563	1.12E-31	-0.06333	0.17187
3.14E-15	-0.37223	8.56E-17	-0.39047	1.85E-18	-0.46065	6.58E-26	-0.12657	0.00617
4.21E-15	-0.39699	4.44E-19	-0.46574	1.61E-26	-0.48574	5.08E-29	-0.05539	0.23216
3.01E-19	-0.32252	9.14E-13	-0.44556	3.71E-24	-0.50091	4.95E-31	-0.03074	0.50747
0.02341	-0.28457	3.77E-10	-0.07536	0.10385	-0.17954	9.57E-05	0.090412	0.05087
4.34E-17	-0.17896	0.0001	-0.3318	1.83E-13	-0.40579	6.14E-20	0.028148	0.54401
0.35786	-0.28819	2.21E-10	-0.17875	0.0001	-0.21007	4.68E-06	-0.07225	0.11895
0.4104	-0.22641	7.65E-07	-0.03537	0.44573	-0.13368	0.0038	-0.24263	1.10E-07
0.71925	-0.28213	5.40E-10	-0.13675	0.00306	-0.14809	0.00133	0.19024	3.50E-05
3.32E-06	-0.20318	9.63E-06	-0.16606	0.00031	-0.21541	2.63E-06	-0.40537	6.74E-20
1.30E-20	-0.35478	2.68E-15	-0.40392	9.38E-20	-0.50559	1.13E-31	-0.29072	1.51E-10
6.89E-05	-0.23449	2.97E-07	-0.03712	0.4235	-0.18606	5.22E-05	-0.1699	0.00023
0.92398	-0.15652	0.00069	0.056317	0.22447	-0.03977	0.39123	0.025057	0.58912
1.11E-26	-0.38221	1.08E-17	-0.37861	2.30E-17	-0.53307	1.21E-35	-0.26627	5.08E-09
3.22E-07	-0.20047	1.27E-05	-0.30265	2.39E-11	-0.35031	6.27E-15	-0.01424	0.75897
9.30E-06	-0.1597	0.00053	-0.22739	6.84E-07	-0.28868	2.05E-10	-0.02244	0.62862
1.40E-15	-0.40094	1.84E-19	-0.28334	4.52E-10	-0.42586	5.36E-22	-0.38003	1.71E-17
0.03157	-0.13946	0.00252	-0.05535	0.23252	-0.14366	0.00186	0.401233	1.72E-19
6.18E-18	-0.30257	2.42E-11	-0.38194	1.15E-17	-0.45008	1.13E-24	-0.12067	0.00905
1.16E-25	-0.34547	1.55E-14	-0.38652	4.34E-18	-0.50181	3.73E-31	-0.1252	0.00675
1.25E-07	-0.38278	9.60E-18	-0.35446	2.85E-15	-0.37698	3.22E-17	-0.31656	2.50E-12
2.02E-11	-0.3365	7.94E-14	-0.35888	1.22E-15	-0.41203	1.45E-20	-0.04817	0.29891
1.42E-10	-0.31257	4.83E-12	-0.32087	1.21E-12	-0.37714	3.12E-17	-0.02183	0.63804
2.01E-18	-0.40529	6.87E-20	-0.42533	6.09E-22	-0.48116	1.96E-28	-0.07809	0.09187
0.23984	-0.12078	0.00898	-0.06591	0.15501	-0.09815	0.03396	0.021861	0.6375
2.58E-08	-0.44265	7.91E-24	-0.31578	2.84E-12	-0.38871	2.71E-18	0.015181	0.74351
2.92E-18	-0.43376	7.59E-23	-0.27657	1.20E-09	-0.45408	3.90E-25	-0.05284	0.25445
3.17E-23	-0.50715	6.88E-32	-0.30785	1.04E-11	-0.5073	6.57E-32	-0.25198	3.39E-08
9.17E-17	-0.50598	9.99E-32	-0.36423	4.26E-16	-0.49904	8.86E-31	-0.07267	0.11682
1.04E-08	-0.31678	2.41E-12	-0.30395	1.94E-11	-0.36226	6.28E-16	0.130388	0.00477
2.09E-11	-0.31675	2.42E-12	-0.18388	6.41E-05	-0.34265	2.61E-14	0.052998	0.25303
8.30E-06	-0.16458	0.00035	-0.10917	0.01828	-0.21322	3.34E-06	-0.01584	0.73278
4.93E-12	-0.44417	5.33E-24	-0.28094	6.42E-10	-0.39366	9.24E-19	-0.27946	7.96E-10
0.46449	0.205435	7.63E-06	0.022624	0.62578	0.066006	0.15441	-0.25594	2.03E-08
0.08533	0.064482	0.16417	0.044006	0.34268	-0.04006	0.3877	0.107075	0.02065
1.26E-08	-0.19278	2.74E-05	-0.18413	6.26E-05	-0.24518	8.04E-08	-0.08966	0.05282
1.56E-05	-0.29841	4.64E-11	-0.3237	7.47E-13	-0.32342	7.84E-13	0.218493	1.87E-06
2.23E-13	0.32879	3.10E-13	0.335944	8.77E-14	0.383233	8.72E-18	0.155173	0.00077
9.13E-08	0.291788	1.28E-10	0.19618	1.96E-05	0.271573	2.44E-09	0.181438	8.04E-05
4.83E-07	-0.32289	8.59E-13	-0.17399	0.00016	-0.26231	8.69E-09	-0.26365	7.26E-09
0.00046	-0.3227	8.86E-13	-0.24049	1.44E-07	-0.28356	4.38E-10	0.038993	0.40051
4.60E-13	-0.39206	1.31E-18	-0.46824	8.00E-27	-0.49745	1.45E-30	-0.05136	0.26805
0.7262	0.435099	5.42E-23	0.111656	0.01578	0.206104	7.11E-06	0.007338	0.87433
2.50E-09	-0.43839	2.36E-23	-0.19086	3.30E-05	-0.3252	5.78E-13	-0.09636	0.03737
0.13535	-0.37402	5.93E-17	-0.22005	1.57E-06	-0.26007	1.17E-08	-0.01335	0.77362

4.84E-17	-0.50409	1.82E-31	-0.35451	2.82E-15	-0.46432	2.39E-26	-0.1365	0.00312
1.74E-10	-0.14631	0.00152	-0.30721	1.15E-11	-0.34108	3.47E-14	-0.0023	0.96048
0.00028	0.298852	4.33E-11	0.203694	9.14E-06	0.235441	2.65E-07	0.167476	0.00028
0.00976	-0.32338	7.90E-13	-0.24686	6.51E-08	-0.26611	5.19E-09	0.344071	2.00E-14
1.57E-06	-0.31162	5.65E-12	-0.2745	1.61E-09	-0.37818	2.52E-17	-0.17049	0.00021
3.66E-09	0.436983	3.37E-23	0.271489	2.47E-09	0.315973	2.75E-12	0.049696	0.28384
0.0027	-0.19573	2.05E-05	-0.0722	0.11922	-0.17011	0.00022	-0.144	0.00181
1.48E-07	-0.273	2.00E-09	-0.04923	0.28834	-0.24879	5.10E-08	-0.01939	0.67597
8.67E-06	-0.30269	2.37E-11	-0.1231	0.00774	-0.26377	7.14E-09	-0.17975	9.39E-05
1.74E-08	-0.40499	7.36E-20	-0.38203	1.12E-17	-0.41161	1.60E-20	0.118001	0.01071
0.0196	-0.10982	0.01759	-0.15549	0.00075	-0.20693	6.52E-06	0.05055	0.27564
6.78E-05	-0.18393	6.38E-05	-0.21907	1.76E-06	-0.25682	1.80E-08	-0.04882	0.29239
3.41E-09	-0.30748	1.10E-11	-0.31399	3.82E-12	-0.32551	5.48E-13	0.058231	0.20909
2.02E-08	-0.18976	3.67E-05	-0.30131	2.95E-11	-0.29719	5.61E-11	0.030339	0.51309
0.06817	-0.37501	4.84E-17	-0.11172	0.01572	-0.1981	1.61E-05	-0.16839	0.00026
0.00014	-0.17861	0.0001	-0.16369	0.00038	-0.23459	2.93E-07	0.161896	0.00044
8.09E-29	-0.62443	7.50E-52	-0.45391	4.09E-25	-0.61566	4.62E-50	-0.16195	0.00044
3.13E-17	-0.27928	8.17E-10	-0.16009	0.00052	-0.30848	9.40E-12	-0.22421	9.85E-07
6.55E-17	-0.32354	7.68E-13	-0.4021	1.42E-19	-0.45783	1.42E-25	-0.0181	0.69647
8.24E-08	-0.17917	9.90E-05	-0.19094	3.27E-05	-0.26216	8.87E-09	-0.24391	9.41E-08
0.00013	-0.35654	1.91E-15	-0.02822	0.54295	-0.23511	2.76E-07	0.041063	0.37596
2.58E-10	-0.36586	3.08E-16	-0.21159	3.98E-06	-0.36734	2.29E-16	-0.10479	0.02353
7.18E-08	0.235414	2.66E-07	0.079155	0.08752	0.200588	1.26E-05	0.100555	0.0298
3.65E-15	-0.49936	8.04E-31	-0.50386	1.96E-31	-0.53375	9.55E-36	-0.25323	2.88E-08
6.91E-17	-0.50524	1.26E-31	-0.39407	8.44E-19	-0.50681	7.68E-32	-0.02876	0.53528
8.79E-22	0.536919	3.14E-36	0.270209	2.95E-09	0.437286	3.12E-23	0.057889	0.21178
0.03803	-0.18145	8.03E-05	-0.12512	0.00678	-0.12986	0.00494	0.178325	0.00011
1.49E-09	-0.20427	8.61E-06	-0.23831	1.88E-07	-0.30117	3.02E-11	-0.00565	0.90307
4.52E-09	-0.36573	3.17E-16	-0.44299	7.25E-24	-0.45243	6.07E-25	-0.04911	0.28952
5.70E-19	-0.39171	1.41E-18	-0.25227	3.26E-08	-0.41061	2.02E-20	-0.20397	8.88E-06
0.01258	0.133247	0.00392	0.16795	0.00027	0.067746	0.14381	0.125062	0.00681
6.70E-05	-0.25481	2.35E-08	-0.09884	0.03272	-0.22084	1.44E-06	-0.0976	0.03499
2.79E-08	-0.30236	2.50E-11	-0.06399	0.16743	-0.25013	4.30E-08	-0.22368	1.05E-06
1.31E-26	-0.37892	2.15E-17	-0.40865	3.18E-20	-0.54497	1.77E-37	-0.21006	4.69E-06
0.15795	-0.2347	2.90E-07	0.024809	0.59281	-0.10939	0.01804	0.039831	0.39046
0.00328	0.055138	0.23434	0.248658	5.18E-08	0.146436	0.00151	0.161408	0.00046
0.86208	-0.29092	1.46E-10	0.012379	0.78962	-0.11591	0.01219	-0.10607	0.02188
0.00567	-0.40063	1.97E-19	-0.21182	3.88E-06	-0.27192	2.32E-09	-0.21412	3.03E-06
9.77E-16	-0.2672	4.47E-09	-0.22447	9.56E-07	-0.32204	9.92E-13	-0.05257	0.25691
0.71977	0.054298	0.24155	0.02804	0.54555	-0.04714	0.30933	-0.01552	0.73792
0.89222	-0.15504	0.00077	-0.18255	7.25E-05	-0.15507	0.00077	0.170744	0.00021
3.86E-13	-0.34195	2.96E-14	-0.30603	1.40E-11	-0.42772	3.40E-22	-0.04181	0.36738
2.29E-05	-0.1523	0.00096	-0.13874	0.00266	-0.20898	5.25E-06	0.045451	0.32705
4.15E-19	0.323123	8.25E-13	0.091576	0.04795	0.307761	1.06E-11	0.054497	0.23983
7.02E-09	0.351045	5.46E-15	0.296356	6.38E-11	0.306926	1.21E-11	0.42299	1.08E-21

0.03054	-0.04839	0.29669	-0.09546	0.0392	-0.12485	0.0069	-0.11396	0.01373
0.00073	-0.36377	4.67E-16	-0.22656	7.52E-07	-0.31061	6.66E-12	-0.0122	0.7926
0.00567	-0.15503	0.00078	-0.15945	0.00054	-0.19751	1.71E-05	0.037677	0.41662
0.00025	-0.22193	1.28E-06	-0.25741	1.67E-08	-0.30723	1.15E-11	0.153737	0.00086
4.34E-06	-0.23799	1.95E-07	-0.10877	0.01871	-0.248	5.64E-08	-0.16485	0.00035
4.24E-06	-0.36315	5.28E-16	-0.3631	5.32E-16	-0.40207	1.42E-19	-0.19361	2.52E-05
0.00328	-0.27685	1.16E-09	-0.21273	3.52E-06	-0.25158	3.57E-08	-0.30946	8.02E-12
1.68E-07	-0.3449	1.72E-14	-0.22308	1.12E-06	-0.34396	2.05E-14	0.004299	0.92618
7.58E-05	-0.40175	1.53E-19	-0.24197	1.20E-07	-0.30189	2.69E-11	-0.089	0.05462
3.70E-15	-0.52003	1.03E-33	-0.4523	6.28E-25	-0.52126	6.83E-34	0.013983	0.76313
1.24E-11	-0.03861	0.4052	0.048463	0.29598	-0.14842	0.0013	-0.17723	0.00012
0.00084	-0.30514	1.61E-11	-0.27349	1.86E-09	-0.28695	2.66E-10	0.018789	0.6855
9.42E-10	-0.37466	5.20E-17	-0.4221	1.33E-21	-0.45608	2.28E-25	0.108444	0.01907
0.37001	0.117517	0.01104	0.081296	0.07926	-0.0088	0.84959	-0.06225	0.17931
0.00702	-0.27637	1.24E-09	0.017891	0.69977	-0.15036	0.00112	0.175135	0.00014
0.26206	-0.09671	0.03668	0.019082	0.68086	-0.06726	0.14673	0.074175	0.10941
2.67E-12	-0.33306	1.46E-13	-0.16104	0.00048	-0.31649	2.53E-12	-0.02859	0.53767
0.00011	0.04504	0.33145	0.301673	2.79E-11	0.188042	4.33E-05	0.050324	0.27779
0.00281	0.16276	0.00041	-0.02136	0.64524	-0.05261	0.25654	-0.03117	0.50157
8.93E-06	-0.30115	3.02E-11	-0.10861	0.01889	-0.24065	1.41E-07	-0.05401	0.24411
0.77951	-0.09357	0.04327	0.171798	0.00019	0.014562	0.75363	0.168324	0.00026
0.07943	-0.29175	1.29E-10	0.034617	0.45549	-0.06375	0.16902	0.171018	0.0002
3.38E-16	-0.29495	7.92E-11	-0.31754	2.12E-12	-0.41587	5.91E-21	0.052647	0.25619
0.93733	-0.38393	7.53E-18	-0.20234	1.05E-05	-0.21528	2.67E-06	-0.27116	2.58E-09
4.10E-06	-0.20695	6.51E-06	-0.19956	1.39E-05	-0.26	1.18E-08	-0.06541	0.15817
0.53197	-0.15721	0.00065	-0.00126	0.97828	-0.09493	0.0403	0.193879	2.46E-05
5.16E-07	-0.10152	0.02825	-0.03102	0.50361	-0.18791	4.38E-05	0.05457	0.2392
1.88E-07	-0.44367	6.07E-24	-0.26218	8.85E-09	-0.34602	1.40E-14	-0.0857	0.06427
0.01915	0.012818	0.78234	0.067986	0.14239	-0.05566	0.22997	-0.18837	4.19E-05
1.05E-05	-0.19054	3.40E-05	0.011239	0.80861	-0.17504	0.00014	0.109955	0.01745
2.59E-11	-0.32761	3.81E-13	-0.34727	1.11E-14	-0.39728	4.16E-19	-0.08226	0.07573
1.35E-05	-0.30062	3.29E-11	-0.2428	1.08E-07	-0.31201	5.30E-12	-0.15626	0.0007
3.75E-18	-0.46101	5.96E-26	-0.50441	1.64E-31	-0.56826	2.73E-41	-0.1734	0.00017
2.92E-10	-0.37107	1.08E-16	-0.01728	0.7096	-0.27017	2.96E-09	-0.2518	3.47E-08
0.33184	-0.22034	1.52E-06	0.039012	0.40028	-0.09344	0.04357	0.185203	5.66E-05
1.34E-07	-0.23649	2.33E-07	-0.29224	1.20E-10	-0.3449	1.72E-14	-0.03028	0.51391
2.82E-08	-0.36619	2.89E-16	-0.3365	7.93E-14	-0.35724	1.67E-15	-0.07412	0.10969
0.00011	0.28589	3.11E-10	0.028123	0.54437	0.201326	1.17E-05	0.207963	5.85E-06
1.48E-07	-0.3981	3.47E-19	-0.21746	2.10E-06	-0.34623	1.34E-14	-0.04155	0.37034
5.11E-15	-0.49444	3.67E-30	-0.44938	1.36E-24	-0.51986	1.09E-33	-0.20322	9.60E-06
0.19458	-0.38718	3.76E-18	-0.13246	0.00414	-0.23103	4.47E-07	0.073428	0.11304
6.04E-06	-0.41894	2.85E-21	-0.20547	7.59E-06	-0.33973	4.44E-14	-0.20916	5.15E-06
1.44E-08	0.440242	1.47E-23	0.311416	5.83E-12	0.385198	5.75E-18	0.40553	6.51E-20
0.00109	-0.08621	0.06269	-0.01112	0.81062	-0.13882	0.00264	-0.09912	0.03223
7.88E-13	-0.42004	2.19E-21	-0.43549	4.91E-23	-0.48669	3.83E-29	-0.12342	0.00758



1.26E-22	-0.50978	2.96E-32	-0.43449	6.32E-23	-0.54997	2.85E-38	-0.01934	0.67675
0.03804	-0.19134	3.15E-05	-0.18309	6.90E-05	-0.19716	1.78E-05	0.238791	1.77E-07
0.24499	-0.28851	2.10E-10	-0.14442	0.00175	-0.18374	6.49E-05	0.047747	0.30317
1.05E-15	-0.51432	6.78E-33	-0.49904	8.87E-31	-0.54792	6.03E-38	0.042927	0.35466
0.00139	-0.10425	0.02426	0.012854	0.78175	-0.00939	0.8397	0.017268	0.70975
8.66E-12	-0.35386	3.20E-15	-0.33879	5.26E-14	-0.40546	6.62E-20	0.209083	5.20E-06
0.87988	-0.14739	0.0014	-0.08323	0.07235	-0.1363	0.00316	-0.09794	0.03435
1.56E-13	-0.25021	4.25E-08	-0.35147	5.04E-15	-0.41585	5.94E-21	-0.06024	0.19376
1.41E-18	-0.48513	6.07E-29	-0.40939	2.69E-20	-0.50109	4.68E-31	-0.22823	6.20E-07
1.01E-12	-0.10116	0.02882	-0.26741	4.34E-09	-0.30437	1.82E-11	0.127965	0.00562
5.75E-16	-0.46083	6.26E-26	-0.3973	4.14E-19	-0.45434	3.65E-25	-0.15646	0.00069
0.00209	-0.1559	0.00072	-0.01019	0.82611	-0.15622	0.00071	0.081548	0.07833
2.51E-08	-0.19655	1.89E-05	-0.34087	3.60E-14	-0.34996	6.69E-15	-0.14505	0.00167
6.89E-08	0.429146	2.39E-22	0.159	0.00056	0.312715	4.72E-12	0.113266	0.01432
0.8782	-0.04413	0.34135	0.07574	0.10211	-0.02249	0.62789	0.021553	0.64223
1.75E-17	-0.3943	8.03E-19	-0.24988	4.43E-08	-0.43582	4.52E-23	-0.3197	1.48E-12
0.0002	-0.3369	7.39E-14	-0.00371	0.93634	-0.18746	4.58E-05	-0.01564	0.73604
6.15E-08	-0.302	2.65E-11	-0.18089	8.46E-05	-0.2546	2.41E-08	0.123175	0.0077
0.50034	-0.08399	0.06977	-0.06494	0.16122	-0.08246	0.07505	0.167558	0.00028
9.24E-17	-0.44378	5.90E-24	-0.2687	3.64E-09	-0.44396	5.63E-24	-0.02198	0.63572
0.02449	0.044002	0.34272	-0.05014	0.27961	-0.1043	0.0242	0.089559	0.0531
0.00097	-0.27946	7.96E-10	-0.28412	4.03E-10	-0.26609	5.20E-09	0.078261	0.09116
1.60E-07	-0.38466	6.44E-18	-0.23828	1.88E-07	-0.35946	1.09E-15	-0.17218	0.00018
0.29674	-0.2971	5.69E-11	0.00426	0.92684	-0.13117	0.00452	-0.02426	0.60105
1.45E-11	-0.3438	2.11E-14	-0.33583	8.95E-14	-0.42448	7.51E-22	-0.02577	0.57851
0.11776	0.025054	0.58916	-0.06758	0.14482	0.040659	0.38067	0.156568	0.00069
0.01687	0.13896	0.00262	0.060263	0.1936	0.168896	0.00025	0.146354	0.00152
7.10E-06	0.472928	2.12E-27	0.25982	1.21E-08	0.378731	2.24E-17	0.123213	0.00768
0.07513	-0.44528	3.99E-24	-0.18876	4.04E-05	-0.2595	1.27E-08	0.145854	0.00158
3.42E-10	-0.35271	3.98E-15	-0.16309	0.0004	-0.3212	1.14E-12	-0.07695	0.09674
1.52E-29	-0.38431	6.94E-18	-0.27897	8.54E-10	-0.4749	1.21E-27	-0.25171	3.51E-08
5.17E-13	-0.20862	5.46E-06	-0.1523	0.00096	-0.3162	2.65E-12	0.063586	0.17013
1.29E-14	-0.31784	2.02E-12	-0.37065	1.18E-16	-0.43072	1.62E-22	-0.17491	0.00015
6.25E-16	-0.24697	6.42E-08	-0.28513	3.48E-10	-0.36512	3.57E-16	-0.1656	0.00033
0.00326	-0.28444	3.85E-10	-0.10061	0.02971	-0.19682	1.84E-05	-0.10636	0.02152
0.00046	-0.19491	2.22E-05	-0.11611	0.01204	-0.20205	1.08E-05	0.014849	0.74894
4.23E-12	-0.42206	1.35E-21	-0.29159	1.32E-10	-0.43569	4.67E-23	-0.15941	0.00054
1.23E-16	-0.42677	4.29E-22	-0.41926	2.64E-21	-0.49603	2.25E-30	-0.07197	0.1204
4.61E-19	-0.47206	2.72E-27	-0.31589	2.79E-12	-0.48184	1.61E-28	-0.11674	0.01158
8.77E-05	-0.33752	6.61E-14	-0.13932	0.00255	-0.25683	1.80E-08	0.18387	6.42E-05
3.84E-05	0.0736	0.1122	-0.06225	0.17931	-0.10424	0.02427	-0.09859	0.03318
0.61276	-0.20896	5.26E-06	0.102787	0.02634	-0.04403	0.34246	0.056645	0.22178
0.04838	-0.12343	0.00758	0.065513	0.15752	-0.10673	0.02106	-0.0255	0.58261
1.74E-09	-0.21943	1.69E-06	-0.3749	4.95E-17	-0.38087	1.44E-17	0.110057	0.01735
0.24059	-0.22185	1.29E-06	-0.12911	0.0052	-0.14849	0.00129	0.315679	2.89E-12

0.00058	-0.14939	0.0012	-0.19079	3.32E-05	-0.21891	1.79E-06	-0.14739	0.0014
0.00037	-0.41611	5.58E-21	-0.36505	3.62E-16	-0.38002	1.71E-17	0.0238	0.60793
5.60E-06	0.448229	1.85E-24	0.261355	9.88E-09	0.336191	8.39E-14	0.386804	4.08E-18
0.00133	-0.17467	0.00015	-0.07923	0.08721	-0.194	2.43E-05	0.011317	0.8073
2.27E-10	-0.30706	1.18E-11	-0.2635	7.40E-09	-0.3814	1.28E-17	-0.03854	0.40603
3.76E-07	-0.22778	6.53E-07	-0.15767	0.00063	-0.26101	1.04E-08	-0.0283	0.54178
4.07E-09	-0.41009	2.28E-20	-0.18292	7.01E-05	-0.35005	6.58E-15	-0.00511	0.91226
3.31E-11	-0.26386	7.06E-09	-0.29875	4.40E-11	-0.37947	1.92E-17	-0.16424	0.00037
0.33044	-0.05818	0.20948	-0.02373	0.60893	-0.03653	0.43101	0.131812	0.00433
6.78E-17	-0.53908	1.47E-36	-0.48337	1.02E-28	-0.53358	1.01E-35	-0.06818	0.14122
0.11406	-0.36935	1.53E-16	-0.30289	2.30E-11	-0.28169	5.76E-10	0.063985	0.16745
4.39E-22	-0.26802	3.99E-09	-0.28518	3.45E-10	-0.41428	8.58E-21	-0.10371	0.02501
1.31E-09	-0.47483	1.23E-27	-0.30709	1.18E-11	-0.3998	2.37E-19	0.013978	0.76321
0.00018	0.079178	0.08742	-0.07275	0.11641	-0.13325	0.00392	-0.20973	4.85E-06
1.96E-17	-0.41052	2.06E-20	-0.51377	8.11E-33	-0.55269	1.04E-38	-0.14969	0.00118
4.03E-07	-0.22729	6.92E-07	-0.12881	0.00531	-0.24144	1.28E-07	-0.20734	6.24E-06
0.44179	-0.26967	3.18E-09	-0.21172	3.92E-06	-0.19609	1.98E-05	-0.11599	0.01213
0.63355	-0.16444	0.00036	0.002483	0.95733	-0.05671	0.22123	-0.03221	0.4875
0.00035	-0.46579	1.59E-26	-0.16505	0.00034	-0.316	2.74E-12	0.031103	0.50254
4.04E-06	-0.21938	1.70E-06	-0.16704	0.00029	-0.24814	5.54E-08	-0.2863	2.92E-10
0.00044	-0.2221	1.25E-06	-0.30711	1.17E-11	-0.31854	1.79E-12	0.019262	0.67801
0.21145	-0.07035	0.12902	-0.0483	0.29761	-0.07152	0.12276	0.201985	1.09E-05
2.52E-11	-0.2947	8.24E-11	-0.21309	3.38E-06	-0.35883	1.23E-15	-0.03761	0.41748
0.07566	-0.27743	1.07E-09	-0.1536	0.00087	-0.19766	1.69E-05	0.058689	0.20552
1.20E-11	-0.30437	1.82E-11	-0.32726	4.05E-13	-0.40409	9.02E-20	-0.0038	0.9347
0.23951	-0.0431	0.35275	-0.10223	0.02716	-0.09525	0.03963	0.234449	2.98E-07
0.81457	-0.10388	0.02478	-0.11007	0.01733	-0.07666	0.09798	0.437755	2.77E-23
2.33E-14	-0.17339	0.00017	-0.39285	1.10E-18	-0.38616	4.68E-18	0.168155	0.00026
7.37E-08	-0.3471	1.14E-14	-0.21522	2.68E-06	-0.33082	2.18E-13	0.222447	1.20E-06
3.62E-09	-0.47091	3.77E-27	-0.32337	7.91E-13	-0.41908	2.75E-21	-0.05953	0.1991
0.75654	-0.2189	1.79E-06	-0.13128	0.00449	-0.14814	0.00132	-0.02377	0.60844
1.23E-11	-0.27029	2.92E-09	-0.39163	1.44E-18	-0.4323	1.09E-22	-0.0492	0.28871
1.48E-07	-0.19897	1.48E-05	-0.17917	9.90E-05	-0.25049	4.10E-08	0.136423	0.00314
1.11E-09	-0.27923	8.22E-10	-0.23034	4.85E-07	-0.31945	1.54E-12	-0.0095	0.83783
1.01E-09	-0.13659	0.0031	-0.02734	0.55563	-0.2351	2.76E-07	-0.1369	0.00303
4.35E-09	-0.19914	1.45E-05	-0.17734	0.00012	-0.27693	1.14E-09	-0.14844	0.00129
4.87E-12	-0.44036	1.43E-23	-0.31352	4.13E-12	-0.42821	3.01E-22	-0.28315	4.65E-10
0.37988	-0.18016	9.04E-05	-0.19233	2.86E-05	-0.17021	0.00022	-0.21417	3.01E-06
2.07E-05	-0.22154	1.33E-06	-0.00309	0.94694	-0.18574	5.38E-05	-0.07615	0.10028
6.16E-07	-0.53568	4.87E-36	-0.35003	6.61E-15	-0.42582	5.41E-22	-0.20753	6.13E-06
6.34E-06	-0.32943	2.78E-13	-0.10994	0.01747	-0.29194	1.25E-10	-0.07156	0.12255
3.22E-09	-0.36588	3.07E-16	-0.21196	3.82E-06	-0.33681	7.52E-14	-0.30119	3.01E-11
1.76E-11	-0.16009	0.00052	-0.07006	0.13059	-0.24428	8.99E-08	0.121813	0.00841
1.69E-08	-0.3057	1.47E-11	-0.18971	3.69E-05	-0.31224	5.10E-12	0.101124	0.02888
0.8728	-0.15665	0.00068	-0.07992	0.08449	-0.13691	0.00303	0.237507	2.07E-07

7.83E-19	-0.50244	3.06E-31	-0.37952	1.90E-17	-0.50045	5.71E-31	-0.15684	0.00067
2.62E-10	-0.20219	1.07E-05	-0.33241	1.65E-13	-0.36039	9.06E-16	0.16733	0.00028
0.56683	-0.16058	0.00049	0.001672	0.97125	-0.07748	0.09445	0.028312	0.54166
6.72E-06	-0.38929	2.39E-18	-0.32137	1.11E-12	-0.38415	7.18E-18	0.17368	0.00016
0.00016	-0.21918	1.74E-06	-0.27255	2.13E-09	-0.28134	6.06E-10	-0.07269	0.1167
0.0017	-0.12533	0.00669	-0.12943	0.00509	-0.19809	1.62E-05	0.085722	0.06418
0.0007	-0.30934	8.18E-12	-0.13979	0.00246	-0.22266	1.17E-06	0.035047	0.4499
4.08E-06	-0.35653	1.91E-15	-0.29384	9.40E-11	-0.33884	5.21E-14	5.72E-05	0.99902
3.72E-07	-0.25422	2.54E-08	-0.14515	0.00166	-0.25622	1.95E-08	0.058065	0.21039
2.20E-08	-0.24031	1.47E-07	-0.16227	0.00043	-0.29896	4.26E-11	-0.08683	0.0608
0.48559	-0.07892	0.08845	-0.08997	0.05201	-0.09687	0.03638	0.575705	1.42E-42
3.43E-24	-0.20613	7.09E-06	-0.26139	9.83E-09	-0.34696	1.17E-14	-0.22986	5.13E-07
0.00208	-0.29517	7.66E-11	-0.29769	5.19E-11	-0.27616	1.28E-09	0.236873	2.23E-07
0.00827	-0.06623	0.15302	-0.05024	0.27857	-0.15298	0.00091	0.044584	0.33636
0.02084	-0.27406	1.72E-09	-0.09798	0.03428	-0.19284	2.72E-05	-0.06632	0.15244
3.05E-20	0.243869	9.46E-08	0.136914	0.00303	0.32257	9.07E-13	0.289326	1.86E-10
3.18E-18	0.597862	1.35E-46	0.226451	7.62E-07	0.428877	2.56E-22	0.165975	0.00032
0.90278	-0.35729	1.66E-15	-0.02856	0.53814	-0.13863	0.00268	0.064343	0.16508
2.32E-18	-0.35321	3.62E-15	-0.20236	1.05E-05	-0.37199	8.97E-17	-0.24539	7.83E-08
0.25626	0.054737	0.23776	0.141709	0.00214	0.063937	0.16777	0.104971	0.02329
0.65895	0.015731	0.73457	-0.10306	0.02594	-0.08419	0.06909	-0.05498	0.2357
1.43E-06	-0.38749	3.53E-18	-0.02581	0.57797	-0.24425	9.02E-08	-0.23827	1.88E-07
0.25636	-0.09893	0.03257	0.081811	0.07737	-0.03202	0.49002	-0.09111	0.04909
3.69E-06	-0.18998	3.59E-05	-0.13634	0.00315	-0.24749	6.01E-08	0.187183	4.70E-05
1.35E-12	-0.45737	1.61E-25	-0.38454	6.61E-18	-0.48559	5.30E-29	-0.24301	1.05E-07
0.22492	0.005622	0.90355	0.145796	0.00158	0.060041	0.19525	0.313068	4.45E-12
0.00411	-0.12381	0.00739	-0.11967	0.00964	-0.14932	0.00121	0.119732	0.0096
0.30678	-0.32525	5.73E-13	-0.14412	0.00179	-0.20575	7.38E-06	-0.00364	0.93743
3.63E-07	-0.17738	0.00012	-0.10823	0.01931	-0.25652	1.88E-08	0.031601	0.49572
4.27E-14	-0.51687	2.93E-33	-0.2251	8.90E-07	-0.4218	1.43E-21	-0.16018	0.00051
4.12E-22	-0.5279	7.20E-35	-0.34113	3.44E-14	-0.49787	1.27E-30	-0.13678	0.00306
2.61E-09	-0.40174	1.54E-19	-0.34381	2.10E-14	-0.38383	7.69E-18	0.081462	0.07864
6.90E-24	-0.52819	6.52E-35	-0.37603	3.92E-17	-0.53126	2.27E-35	0.027173	0.55805
3.84E-18	-0.39134	1.53E-18	-0.27043	2.86E-09	-0.44464	4.72E-24	-0.05459	0.23906
6.82E-05	-0.01067	0.81814	-0.10784	0.01976	-0.15564	0.00074	0.196165	1.96E-05
3.63E-18	-0.34047	3.87E-14	-0.25336	2.83E-08	-0.39595	5.58E-19	-0.19697	1.81E-05
1.75E-18	-0.41561	6.28E-21	-0.31995	1.41E-12	-0.4596	8.77E-26	-0.14407	0.0018
5.41E-13	-0.44039	1.41E-23	-0.23101	4.48E-07	-0.40774	3.93E-20	-0.12803	0.00559
5.62E-15	-0.51238	1.28E-32	-0.48206	1.51E-28	-0.53428	7.94E-36	-0.18651	5.00E-05
3.42E-06	-0.25428	2.52E-08	-0.28089	6.47E-10	-0.2909	1.47E-10	-0.25422	2.54E-08
0.00071	-0.11261	0.0149	-0.158	0.00061	-0.18704	4.76E-05	0.161824	0.00045
0.00045	-0.26813	3.94E-09	-0.28314	4.66E-10	-0.30362	2.05E-11	0.037816	0.41489
8.17E-07	-0.35886	1.22E-15	-0.27427	1.67E-09	-0.32911	2.94E-13	-0.05186	0.26341
0.11892	-0.18302	6.95E-05	-0.14219	0.00207	-0.08352	0.07135	0.064786	0.16219
9.07E-07	-0.29909	4.18E-11	0.005101	0.91245	-0.24216	1.17E-07	-0.06545	0.15793

0.04028	-0.31009	7.25E-12	-0.02863	0.53709	-0.16966	0.00023	-0.17112	0.0002
2.30E-07	-0.49597	2.29E-30	-0.29068	1.52E-10	-0.40005	2.25E-19	-0.02427	0.60082
0.02181	-0.05295	0.25346	-0.16834	0.00026	-0.15924	0.00055	-0.06779	0.14358
0.0853	0.005739	0.90157	0.064544	0.16376	-0.04359	0.34722	-0.07799	0.0923
0.00021	-0.272	2.30E-09	-0.29003	1.67E-10	-0.30706	1.18E-11	0.214092	3.04E-06
0.30624	-0.23975	1.57E-07	-0.00485	0.91667	-0.15314	0.0009	0.062709	0.17611
0.00473	-0.22318	1.11E-06	-0.17219	0.00018	-0.22024	1.54E-06	0.06674	0.14987
9.61E-05	-0.34515	1.64E-14	-0.05506	0.23497	-0.20713	6.38E-06	0.094211	0.04185
0.0172	-0.38519	5.75E-18	-0.18255	7.25E-05	-0.24447	8.79E-08	0.098849	0.03271
4.07E-14	0.321768	1.04E-12	0.347437	1.07E-14	0.407356	4.29E-20	-0.01884	0.68472
0.70713	-0.0066	0.8869	0.016353	0.72449	-0.04936	0.28711	0.079732	0.08522
0.00707	0.092409	0.04594	0.108569	0.01893	0.059037	0.20284	0.154752	0.00079
1.62E-16	-0.2958	6.95E-11	-0.28838	2.14E-10	-0.40195	1.47E-19	0.157734	0.00062
4.53E-06	-0.26268	8.27E-09	-0.2738	1.78E-09	-0.32736	3.98E-13	-0.14326	0.00191
1.01E-08	-0.27811	9.66E-10	-0.26701	4.59E-09	-0.34072	3.70E-14	0.180911	8.44E-05
0.00016	-0.22444	9.60E-07	-0.00674	0.88443	-0.19422	2.38E-05	-0.07439	0.10838
1.82E-18	-0.37136	1.02E-16	-0.34957	7.20E-15	-0.42637	4.74E-22	0.034228	0.46058
0.00071	-0.35788	1.48E-15	-0.08124	0.07945	-0.22192	1.28E-06	0.048869	0.29195
0.00015	-0.36679	2.56E-16	-0.31382	3.93E-12	-0.34999	6.65E-15	0.092226	0.04638
6.55E-18	-0.50081	5.10E-31	-0.57253	5.04E-42	-0.57353	3.39E-42	-0.15543	0.00075
0.4644	-0.08653	0.06171	0.064965	0.16102	-0.00523	0.91023	-0.1582	0.0006
0.09321	-0.20715	6.37E-06	-0.15705	0.00066	-0.16101	0.00048	-0.07492	0.10588
6.45E-05	0.360995	8.05E-16	0.379986	1.73E-17	0.382964	9.23E-18	0.167199	0.00028
0.06145	-0.14708	0.00144	0.029669	0.52245	-0.05806	0.21045	0.137223	0.00296
0.00399	-0.24371	9.66E-08	-0.25537	2.18E-08	-0.30658	1.28E-11	-0.02308	0.61877
1.01E-07	-0.4269	4.16E-22	-0.30466	1.73E-11	-0.38319	8.81E-18	0.154557	0.0008
2.56E-20	-0.54916	3.84E-38	-0.36013	9.54E-16	-0.52395	2.77E-34	-0.37986	1.77E-17
2.18E-34	-0.45394	4.06E-25	-0.46906	6.36E-27	-0.60161	2.62E-47	-0.14557	0.00161
9.33E-08	-0.32487	6.12E-13	-0.26782	4.10E-09	-0.34623	1.34E-14	0.142472	0.00203
4.10E-32	-0.55042	2.41E-38	-0.41047	2.09E-20	-0.57658	9.96E-43	-0.20286	9.95E-06
2.87E-07	-0.09451	0.04121	-0.2038	9.03E-06	-0.22113	1.39E-06	0.230773	4.61E-07
1.71E-15	-0.32891	3.04E-13	-0.27314	1.96E-09	-0.42747	3.61E-22	-0.20934	5.06E-06
0.90291	-0.14358	0.00187	0.047764	0.30301	-0.038	0.41258	-0.23755	2.05E-07
0.48649	-0.24587	7.37E-08	-0.05897	0.20338	-0.13335	0.00389	0.351672	4.85E-15
2.82E-06	-0.38144	1.27E-17	-0.29456	8.41E-11	-0.35968	1.04E-15	-0.02733	0.55573
2.43E-15	-0.43503	5.52E-23	-0.36032	9.19E-16	-0.45547	2.68E-25	-0.04887	0.29196
0.20182	-0.27925	8.20E-10	-0.21243	3.63E-06	-0.23443	2.99E-07	0.037596	0.41761
0.00064	-0.17394	0.00016	-0.11519	0.01274	-0.17871	0.0001	0.095979	0.03814
3.18E-08	-0.39952	2.53E-19	-0.05921	0.20156	-0.27226	2.22E-09	-0.06864	0.13856
7.68E-15	-0.35393	3.15E-15	-0.29797	4.97E-11	-0.44704	2.52E-24	-0.01853	0.68963
0.06129	-0.27838	9.29E-10	-0.09759	0.03501	-0.19095	3.27E-05	-0.11228	0.0152
0.49219	-0.00464	0.92032	0.238804	1.77E-07	0.10175	0.0279	-0.14461	0.00173
0.92987	-0.24623	7.05E-08	0.0359	0.43895	-0.10591	0.02207	0.0283	0.54183
4.03E-19	-0.37638	3.65E-17	-0.36882	1.70E-16	-0.46636	1.35E-26	-0.09946	0.03165
9.37E-08	-0.42267	1.16E-21	-0.41516	6.98E-21	-0.43795	2.64E-23	-0.01815	0.69557

1.68E-40	-0.51234	1.29E-32	-0.39857	3.12E-19	-0.58404	4.73E-44	-0.33404	1.23E-13
0.00841	-0.0212	0.64768	-0.10082	0.02937	-0.15422	0.00083	0.014906	0.748
5.63E-17	-0.49826	1.13E-30	-0.549	4.06E-38	-0.55562	3.48E-39	-0.22674	7.37E-07
1.60E-05	-0.29491	7.98E-11	-0.06261	0.1768	-0.22901	5.66E-07	-0.04364	0.34672
0.00016	-0.22689	7.24E-07	-0.17021	0.00022	-0.24791	5.70E-08	0.120125	0.00937
1.96E-05	-0.26258	8.38E-09	-0.32924	2.87E-13	-0.32565	5.35E-13	0.085269	0.06561
0.03684	-0.14372	0.00185	0.061915	0.18165	-0.08524	0.06571	-0.13101	0.00457
9.16E-27	-0.57117	8.67E-42	-0.33533	9.79E-14	-0.51756	2.34E-33	-0.19347	2.56E-05
0.05455	-0.23293	3.57E-07	-0.03996	0.38889	-0.17021	0.00022	-0.02784	0.54839
0.00362	-0.2495	4.65E-08	-0.04627	0.31841	-0.17797	0.00011	-0.02247	0.62808
5.21E-21	-0.33565	9.24E-14	-0.3542	2.99E-15	-0.46855	7.34E-27	-0.10775	0.01985
1.84E-05	-0.31671	2.43E-12	-0.17929	9.79E-05	-0.26635	5.02E-09	-0.2706	2.80E-09
0.7611	-0.2294	5.41E-07	-0.11949	0.00975	-0.13101	0.00457	-0.09116	0.04898
0.00013	-0.26861	3.68E-09	-0.14078	0.00229	-0.25156	3.58E-08	0.047078	0.31001
2.79E-19	-0.38835	2.93E-18	-0.46558	1.69E-26	-0.50681	7.68E-32	-0.17519	0.00014
1.02E-26	-0.35694	1.77E-15	-0.34864	8.58E-15	-0.4674	1.01E-26	-0.08468	0.06751
4.05E-09	-0.11515	0.01277	-0.18835	4.20E-05	-0.26407	6.86E-09	-0.10007	0.0306
1.92E-16	-0.19319	2.63E-05	-0.18404	6.32E-05	-0.3133	4.28E-12	0.043029	0.35351
0.49	-0.28833	2.16E-10	-0.19263	2.78E-05	-0.18907	3.92E-05	0.1793	9.78E-05
1.73E-15	-0.30891	8.77E-12	-0.31031	6.98E-12	-0.39188	1.36E-18	-0.2329	3.59E-07
1.31E-05	-0.0551	0.23466	-0.08735	0.05927	-0.1977	1.68E-05	-0.03822	0.40997
1.33E-06	-0.28403	4.09E-10	-0.06489	0.16154	-0.25434	2.50E-08	-0.13386	0.00376
5.84E-06	-0.03437	0.45871	-0.07668	0.09793	-0.17141	0.0002	-0.11965	0.00965
1.43E-27	-0.35342	3.48E-15	-0.38448	6.69E-18	-0.48003	2.74E-28	-0.16511	0.00034
0.92876	-0.3237	7.48E-13	-0.0377	0.41637	-0.14537	0.00163	-0.16737	0.00028
4.62E-11	-0.45101	8.85E-25	-0.29905	4.20E-11	-0.45116	8.50E-25	0.093333	0.04381
0.0268	-0.12858	0.00539	-0.08974	0.05263	-0.14259	0.00201	0.189245	3.86E-05
3.75E-12	-0.39858	3.12E-19	-0.30009	3.57E-11	-0.41575	6.07E-21	-0.07644	0.09895
1.85E-05	-0.13326	0.00391	-0.21888	1.79E-06	-0.24286	1.07E-07	0.13056	0.00471
4.07E-08	-0.31742	2.16E-12	-0.06116	0.18707	-0.25529	2.21E-08	0.137657	0.00287
0.00068	-0.13784	0.00284	-0.21285	3.47E-06	-0.27006	3.01E-09	-0.06635	0.15229
4.78E-10	-0.42635	4.75E-22	-0.24013	1.50E-07	-0.3683	1.89E-16	-0.20739	6.22E-06
5.67E-10	-0.19177	3.02E-05	-0.13679	0.00306	-0.26055	1.10E-08	0.101618	0.02811
5.11E-11	-0.43126	1.42E-22	-0.29017	1.64E-10	-0.3927	1.14E-18	-0.24489	8.33E-08
1.03E-18	0.500284	6.02E-31	0.364355	4.15E-16	0.507024	7.17E-32	0.338843	5.21E-14
0.00138	0.144691	0.00172	0.028564	0.53806	0.157713	0.00063	0.149958	0.00115
0.29113	-0.00767	0.86862	0.014902	0.74807	-0.02906	0.53108	-0.05579	0.22882
3.91E-06	-0.42417	8.08E-22	-0.07416	0.10949	-0.27675	1.17E-09	-0.07687	0.09708
1.51E-09	-0.52061	8.47E-34	-0.26135	9.89E-09	-0.39874	3.01E-19	-0.03009	0.51654
0.04211	-0.17831	0.00011	-0.04686	0.31225	-0.07053	0.12801	0.056622	0.22197
5.26E-07	-0.38844	2.87E-18	-0.35581	2.20E-15	-0.40349	1.03E-19	0.013024	0.77893
3.27E-18	-0.42684	4.22E-22	-0.26993	3.07E-09	-0.43255	1.03E-22	-0.19229	2.87E-05
0.00264	-0.35475	2.70E-15	-0.13572	0.0033	-0.25113	3.78E-08	-0.19319	2.63E-05
0.2228	0.086755	0.06103	0.097279	0.03559	0.111265	0.01615	-0.19069	3.36E-05
1.50E-07	-0.34404	2.02E-14	-0.16455	0.00036	-0.28879	2.02E-10	-0.11263	0.01488

1.04E-08	-0.33678	7.55E-14	-0.32783	3.67E-13	-0.43727	3.14E-23	0.005635	0.90334
3.33E-07	-0.31456	3.48E-12	-0.18417	6.24E-05	-0.27683	1.16E-09	-0.07697	0.09664
0.09337	-0.23254	3.74E-07	-0.11245	0.01504	-0.10904	0.01842	-0.09418	0.04191
1.05E-16	-0.1625	0.00042	-0.29278	1.10E-10	-0.33809	5.96E-14	-0.18623	5.14E-05
0.30647	-0.15829	0.0006	0.106124	0.02181	-0.03861	0.40521	0.234274	3.05E-07
0.00035	-0.00266	0.95425	-0.0602	0.19407	-0.14902	0.00124	-0.1411	0.00224
0.50562	-0.17105	0.0002	0.104824	0.02349	-0.01242	0.78902	0.138139	0.00278
7.36E-06	-0.1496	0.00119	-0.09662	0.03687	-0.20764	6.05E-06	-0.06577	0.1559
9.19E-10	-0.32967	2.66E-13	-0.0714	0.12337	-0.29736	5.47E-11	-0.08317	0.07255
2.90E-07	-0.24904	4.94E-08	-0.05896	0.20346	-0.24295	1.06E-07	-0.22194	1.27E-06
4.14E-24	-0.43156	1.32E-22	-0.40558	6.44E-20	-0.52894	5.05E-35	-0.17625	0.00013
5.51E-21	-0.41671	4.84E-21	-0.30223	2.55E-11	-0.4659	1.54E-26	-0.36955	1.47E-16
2.60E-05	-0.42049	1.97E-21	-0.24251	1.12E-07	-0.32803	3.54E-13	0.049213	0.28855
7.80E-28	-0.33812	5.93E-14	-0.4578	1.43E-25	-0.53125	2.28E-35	-0.16076	0.00049
9.79E-15	-0.32384	7.29E-13	-0.15159	0.00102	-0.34827	9.20E-15	-0.06456	0.16364
0.23668	0.026612	0.56621	-0.02501	0.58976	-0.07107	0.12513	0.016743	0.71819
2.40E-20	-0.45453	3.46E-25	-0.42071	1.86E-21	-0.50881	4.05E-32	0.080149	0.0836
4.59E-17	-0.45355	4.50E-25	-0.35734	1.64E-15	-0.51202	1.43E-32	-0.09487	0.04043
1.79E-14	-0.45372	4.30E-25	-0.37465	5.22E-17	-0.46221	4.28E-26	0.081068	0.08011
1.51E-09	-0.21749	2.09E-06	-0.39834	3.29E-19	-0.40439	8.44E-20	-0.24471	8.53E-08
1.80E-12	-0.37891	2.16E-17	-0.41527	6.80E-21	-0.45227	6.34E-25	0.023445	0.6133
5.94E-21	-0.44822	1.85E-24	-0.19554	2.09E-05	-0.41227	1.38E-20	-0.24279	1.08E-07
1.65E-27	-0.48687	3.63E-29	-0.38879	2.66E-18	-0.53215	1.67E-35	-0.18121	8.21E-05
0.76508	-0.32163	1.06E-12	-0.07217	0.11936	-0.15757	0.00063	-0.02591	0.57654
4.98E-26	0.689096	4.94E-67	0.475083	1.15E-27	0.592329	1.46E-45	0.203654	9.17E-06
2.22E-07	-0.31566	2.90E-12	-0.21748	2.09E-06	-0.33534	9.78E-14	0.023536	0.61193
1.69E-34	-0.51302	1.04E-32	-0.47956	3.14E-28	-0.61601	3.93E-50	-0.36543	3.36E-16
0.08931	-0.23671	2.27E-07	-0.04849	0.29568	-0.1525	0.00095	0.022503	0.62764
6.66E-05	-0.25674	1.82E-08	-0.18504	5.75E-05	-0.27329	1.92E-09	-0.11086	0.01654
0.02746	-0.13326	0.00391	0.073918	0.11065	-0.07498	0.10561	0.218354	1.90E-06
0.06772	-0.13779	0.00285	0.009953	0.83015	-0.1127	0.01482	-0.01271	0.78414
3.07E-11	-0.26207	8.97E-09	-0.16624	0.00031	-0.31256	4.84E-12	-0.07945	0.08634
0.00022	-0.05523	0.2336	-0.0735	0.11271	-0.13643	0.00313	0.133082	0.00396
6.82E-10	0.498334	1.10E-30	0.298268	4.75E-11	0.367353	2.29E-16	0.266226	5.11E-09
0.00011	-0.20442	8.48E-06	-0.21214	3.75E-06	-0.25603	2.00E-08	0.08045	0.08244
0.16765	-0.14329	0.00191	-0.06106	0.18777	-0.05644	0.22343	0.414291	8.56E-21
1.69E-05	-0.26318	7.73E-09	-0.2021	1.08E-05	-0.2607	1.08E-08	-0.01871	0.68681
3.99E-20	-0.38175	1.19E-17	-0.36628	2.83E-16	-0.48522	5.93E-29	-0.13497	0.00347
0.00109	-0.2143	2.97E-06	-0.30098	3.11E-11	-0.29155	1.33E-10	0.155724	0.00073
0.76006	-0.21706	2.19E-06	-0.09459	0.04104	-0.12614	0.00634	0.318432	1.83E-12
0.00077	-0.05773	0.21307	-0.03838	0.40801	-0.13595	0.00324	-0.09153	0.04805
1.13E-14	-0.45819	1.29E-25	-0.43841	2.34E-23	-0.50136	4.30E-31	0.103305	0.02559
3.88E-17	-0.33177	1.84E-13	-0.31514	3.16E-12	-0.44197	9.42E-24	-0.08601	0.06328
8.47E-08	-0.26352	7.39E-09	-0.25327	2.87E-08	-0.35353	3.41E-15	0.017002	0.71403
7.94E-14	-0.37597	3.98E-17	-0.29107	1.43E-10	-0.4042	8.81E-20	0.06812	0.1416

4.06E-32	-0.39273	1.13E-18	-0.42936	2.27E-22	-0.55422	5.88E-39	-0.168	0.00027
7.86E-07	-0.38571	5.15E-18	-0.25505	2.27E-08	-0.34362	2.18E-14	0.167284	0.00028
0.00085	-0.12967	0.00501	-0.20831	5.64E-06	-0.21853	1.86E-06	-0.13456	0.00358
3.09E-06	-0.12042	0.00919	-0.28335	4.52E-10	-0.27867	8.91E-10	0.176707	0.00012
0.13275	-0.3367	7.66E-14	-0.03512	0.44896	-0.19074	3.34E-05	-0.03707	0.42414
6.97E-07	0.45968	8.58E-26	0.325718	5.29E-13	0.389008	2.54E-18	0.23707	2.18E-07
0.07581	-0.37878	2.22E-17	-0.09515	0.03983	-0.20785	5.92E-06	0.126012	0.0064
0.00808	-0.27633	1.25E-09	-0.13065	0.00469	-0.18895	3.97E-05	-0.08526	0.06562
8.20E-18	-0.3512	5.29E-15	-0.35675	1.84E-15	-0.42725	3.81E-22	-0.20247	1.04E-05
1.15E-11	-0.38399	7.44E-18	-0.34537	1.58E-14	-0.45229	6.30E-25	-0.05686	0.22007
6.70E-23	-0.13463	0.00356	-0.12692	0.00602	-0.29447	8.53E-11	-0.23734	2.11E-07
1.66E-15	-0.44661	2.82E-24	-0.2866	2.80E-10	-0.44244	8.34E-24	-0.03502	0.45029
1.27E-16	-0.53963	1.20E-36	-0.41627	5.37E-21	-0.54247	4.36E-37	0.034998	0.45054
3.28E-12	0.208892	5.30E-06	0.29998	3.63E-11	0.32897	3.01E-13	0.133152	0.00394
1.33E-14	-0.45233	6.24E-25	-0.28405	4.07E-10	-0.41991	2.26E-21	-0.17018	0.00022
0.11641	-0.16702	0.00029	-0.07196	0.12044	-0.10606	0.02189	-0.13335	0.00389
1.43E-19	-0.30241	2.48E-11	-0.30025	3.48E-11	-0.39938	2.61E-19	-0.03179	0.49312
2.02E-07	-0.39779	3.72E-19	-0.30706	1.18E-11	-0.37167	9.58E-17	-0.20999	4.72E-06
1.72E-12	-0.24584	7.39E-08	-0.1307	0.00467	-0.32233	9.45E-13	0.127145	0.00593
1.59E-05	-0.38212	1.10E-17	-0.2414	1.29E-07	-0.32295	8.50E-13	0.001425	0.97551
0.00113	-0.26899	3.49E-09	-0.00146	0.97491	-0.15055	0.0011	0.186718	4.91E-05
3.71E-16	-0.21015	4.64E-06	-0.3108	6.45E-12	-0.4009	1.86E-19	-0.07682	0.0973
5.83E-18	-0.30275	2.35E-11	-0.21531	2.66E-06	-0.36288	5.56E-16	-0.22949	5.35E-07
1.22E-06	-0.43533	5.12E-23	-0.23839	1.86E-07	-0.35379	3.24E-15	0.086731	0.0611
0.00929	-0.33839	5.65E-14	-0.0686	0.13883	-0.18384	6.44E-05	-0.05092	0.27209
1.92E-12	-0.43921	1.91E-23	-0.3427	2.58E-14	-0.44622	3.13E-24	-0.03048	0.51109
3.15E-10	-0.14826	0.00131	-0.18833	4.21E-05	-0.26359	7.31E-09	-0.04748	0.30591
3.08E-22	-0.49503	3.06E-30	-0.40685	4.81E-20	-0.51279	1.12E-32	-0.05296	0.25337
0.09759	-0.09667	0.03676	-0.07948	0.08622	-0.04305	0.35333	0.491762	8.30E-30
0.09433	-0.03868	0.40436	-0.02116	0.64832	-0.07473	0.10676	0.158345	0.00059
0.40514	0.079701	0.08535	0.049442	0.28631	-0.01831	0.69311	0.108909	0.01856
0.06644	0.026548	0.56714	0.044551	0.33673	-0.00392	0.93259	0.16719	0.00028
0.28852	-0.13287	0.00402	-0.02218	0.63256	-0.09349	0.04344	0.088456	0.05611
6.28E-05	-0.27272	2.08E-09	-0.34297	2.45E-14	-0.31495	3.26E-12	0.02078	0.65422
5.27E-28	-0.23805	1.93E-07	-0.17072	0.00021	-0.38765	3.40E-18	-0.32926	2.86E-13
0.87992	-0.13842	0.00272	0.017029	0.71358	-0.06435	0.16501	-0.10719	0.02051
0.00093	-0.21288	3.46E-06	-0.2758	1.34E-09	-0.24811	5.55E-08	0.225029	8.97E-07
1.53E-05	-0.23452	2.96E-07	-0.12409	0.00726	-0.21287	3.47E-06	0.020131	0.66436
3.27E-12	-0.3882	3.02E-18	-0.42261	1.18E-21	-0.47198	2.78E-27	0.020518	0.6583
4.61E-17	-0.32415	6.92E-13	-0.37315	7.08E-17	-0.42773	3.39E-22	-0.02091	0.65219
5.96E-18	-0.42286	1.11E-21	-0.40233	1.34E-19	-0.48864	2.13E-29	0.07641	0.0991
0.23682	0.001489	0.97439	0.096504	0.03709	-0.03286	0.47863	0.004518	0.92243
0.00263	-0.20242	1.04E-05	-0.13151	0.00442	-0.21387	3.11E-06	0.11729	0.01119
1.23E-10	-0.29636	6.38E-11	-0.24951	4.65E-08	-0.36687	2.52E-16	-0.10126	0.02867
0.61278	-0.3389	5.15E-14	-0.12669	0.00612	-0.18728	4.65E-05	0.121751	0.00844

3.99E-07	-0.29452	8.46E-11	-0.33753	6.60E-14	-0.38658	4.28E-18	0.022484	0.62793
9.03E-09	-0.3893	2.38E-18	-0.35796	1.45E-15	-0.40903	2.91E-20	-0.03925	0.39739
1.49E-05	-0.09541	0.0393	-0.12256	0.00802	-0.17274	0.00018	-0.15823	0.0006
1.09E-09	-0.29571	7.05E-11	-0.21034	4.55E-06	-0.3006	3.30E-11	0.016146	0.72784
2.24E-14	-0.19171	3.04E-05	-0.09852	0.0333	-0.26788	4.07E-09	-0.18506	5.74E-05
2.65E-07	-0.3574	1.62E-15	-0.10174	0.02792	-0.29094	1.46E-10	-0.26545	5.68E-09
5.22E-11	-0.38909	2.49E-18	-0.44887	1.56E-24	-0.46529	1.82E-26	-0.07195	0.12051
5.07E-13	-0.39979	2.38E-19	-0.30088	3.16E-11	-0.43255	1.03E-22	-0.03858	0.40553
3.13E-13	-0.29701	5.77E-11	-0.24513	8.08E-08	-0.34323	2.34E-14	-0.09783	0.03456
0.07457	-0.36209	6.49E-16	-0.29511	7.73E-11	-0.28787	2.31E-10	0.118222	0.01056
1.03E-06	-0.25604	2.00E-08	-0.13179	0.00433	-0.2691	3.44E-09	0.057983	0.21103
7.17E-21	-0.47437	1.41E-27	-0.43013	1.88E-22	-0.5193	1.31E-33	-0.18084	8.50E-05
0.00085	-0.27098	2.65E-09	-0.04573	0.32404	-0.17401	0.00016	-0.08404	0.06959
0.37155	-0.2326	3.72E-07	-0.06266	0.17643	-0.13576	0.00329	0.017596	0.7045
0.90657	-0.05365	0.24725	0.052885	0.25404	-0.03332	0.47261	0.438564	2.25E-23
3.18E-13	-0.3196	1.50E-12	-0.28597	3.07E-10	-0.39678	4.65E-19	-0.11597	0.01214
0.21703	-0.21883	1.80E-06	-0.09483	0.04051	-0.1453	0.00164	0.388809	2.65E-18
1.04E-26	-0.59513	4.39E-46	-0.40719	4.45E-20	-0.57844	4.70E-43	-0.09939	0.03176
1.09E-12	-0.36757	2.19E-16	-0.25114	3.78E-08	-0.36386	4.58E-16	-0.15544	0.00075
9.04E-11	-0.24832	5.41E-08	-0.32371	7.46E-13	-0.36231	6.22E-16	0.031827	0.49264
1.03E-08	-0.29967	3.82E-11	-0.23229	3.85E-07	-0.34542	1.56E-14	0.141698	0.00214
0.61879	-0.17405	0.00016	-0.13546	0.00336	-0.11379	0.01388	0.04211	0.36389
1.93E-18	-0.24105	1.34E-07	-0.12705	0.00597	-0.32542	5.57E-13	-0.26442	6.54E-09
0.12645	0.052614	0.25648	0.150285	0.00112	0.115946	0.01216	0.042699	0.35721
1.81E-13	-0.39295	1.08E-18	-0.22395	1.01E-06	-0.3739	6.08E-17	-0.05233	0.25907
4.08E-07	-0.44048	1.38E-23	-0.2009	1.22E-05	-0.33493	1.05E-13	-0.05875	0.20503
7.88E-22	-0.34357	2.20E-14	-0.42933	2.29E-22	-0.52412	2.61E-34	-0.05687	0.21994
0.00523	-0.13972	0.00248	0.068212	0.14107	-0.09102	0.04932	0.191984	2.96E-05
1.86E-07	-0.50223	3.27E-31	-0.36013	9.53E-16	-0.4312	1.44E-22	-0.14103	0.00225
1.40E-10	-0.3957	5.91E-19	-0.02957	0.52381	-0.2682	3.90E-09	-0.13417	0.00367
5.51E-10	-0.21685	2.24E-06	-0.15488	0.00078	-0.26564	5.54E-09	-0.38516	5.79E-18
4.14E-14	-0.14638	0.00151	-0.18485	5.85E-05	-0.31041	6.88E-12	-0.13075	0.00465
1.53E-14	0.296359	6.38E-11	0.127527	0.00578	0.275565	1.39E-09	0.134776	0.00352
7.74E-14	-0.37491	4.94E-17	-0.31938	1.56E-12	-0.44422	5.26E-24	0.087392	0.05914
4.01E-06	0.224251	9.80E-07	0.097754	0.0347	0.230845	4.57E-07	-0.01251	0.7875
4.61E-22	-0.47832	4.50E-28	-0.31155	5.71E-12	-0.49463	3.46E-30	-0.11072	0.01668
0.51666	-0.28526	3.41E-10	-0.19124	3.18E-05	-0.17867	0.0001	-0.05145	0.26717
2.70E-08	-0.38806	3.11E-18	-0.12145	0.00861	-0.29913	4.15E-11	-0.14979	0.00117
8.31E-23	-0.34113	3.44E-14	-0.14155	0.00217	-0.35633	1.99E-15	-0.23501	2.79E-07
0.0627	-0.21844	1.88E-06	-0.04971	0.28368	-0.14399	0.00181	-0.00218	0.96261
8.13E-10	0.434802	5.84E-23	0.307983	1.02E-11	0.404151	8.91E-20	0.251134	3.78E-08
0.90813	-0.13651	0.00312	0.024813	0.59275	-0.0584	0.20778	-0.0423	0.36177
0.00239	0.072591	0.11721	-0.0949	0.04038	-0.12063	0.00907	0.103359	0.02551
0.00297	-0.20775	5.98E-06	-0.06262	0.17675	-0.15471	0.0008	0.169352	0.00024
8.46E-06	-0.27155	2.45E-09	0.000563	0.99032	-0.18946	3.78E-05	-0.0378	0.4151



0.00715	-0.38957	2.25E-18	-0.19917	1.45E-05	-0.32902	2.98E-13	-0.16506	0.00034
0.00241	0.045781	0.32354	-0.13258	0.0041	-0.14303	0.00194	-0.06945	0.13398
3.53E-09	-0.23299	3.55E-07	-0.30477	1.70E-11	-0.32616	4.90E-13	0.212619	3.56E-06
0.01535	-0.27747	1.06E-09	-0.15724	0.00065	-0.21607	2.45E-06	-0.11518	0.01275
0.00102	-0.39756	3.91E-19	-0.21267	3.54E-06	-0.30858	9.24E-12	0.004118	0.92929
0.00039	-0.24596	7.29E-08	-0.19641	1.91E-05	-0.21804	1.97E-06	0.030866	0.5058
5.43E-13	-0.38792	3.21E-18	-0.27708	1.12E-09	-0.40579	6.13E-20	-0.04224	0.36239
5.52E-10	-0.42077	1.84E-21	-0.2868	2.71E-10	-0.42765	3.45E-22	-0.15679	0.00067
3.75E-08	-0.31008	7.26E-12	-0.26179	9.33E-09	-0.33082	2.17E-13	-0.03001	0.5177
2.13E-34	-0.38118	1.34E-17	-0.3623	6.23E-16	-0.54148	6.22E-37	-0.31162	5.65E-12
0.03576	-0.30652	1.29E-11	-0.12873	0.00534	-0.22821	6.22E-07	-0.00545	0.90652
0.42609	-0.1494	0.0012	0.000341	0.99414	-0.10551	0.02259	0.133827	0.00376
2.60E-07	-0.31587	2.80E-12	-0.15062	0.0011	-0.28144	5.97E-10	-0.09139	0.04842
2.47E-06	-0.07562	0.10267	-0.13796	0.00281	-0.19783	1.66E-05	0.222744	1.16E-06
0.0413	-0.08255	0.07473	-0.05843	0.20751	-0.13062	0.0047	0.2376	2.04E-07
6.30E-17	-0.16005	0.00052	-0.18083	8.50E-05	-0.32828	3.39E-13	-0.25732	1.69E-08
0.35193	-0.12462	0.00701	0.012278	0.79129	-0.0785	0.09018	-0.09408	0.04215
7.36E-26	-0.57363	3.26E-42	-0.46294	3.50E-26	-0.59358	8.53E-46	-0.09195	0.04704
2.94E-08	-0.34578	1.46E-14	-0.10935	0.01809	-0.29292	1.08E-10	-0.19735	1.74E-05
2.51E-19	-0.51024	2.55E-32	-0.37116	1.06E-16	-0.52901	4.92E-35	-0.1218	0.00841
1.93E-07	-0.04189	0.36637	-0.1579	0.00062	-0.19466	2.28E-05	-0.08897	0.0547
0.6703	-0.04216	0.36336	-0.12476	0.00694	-0.10401	0.02459	0.194225	2.38E-05
4.81E-09	-0.33949	4.63E-14	-0.30601	1.40E-11	-0.38819	3.03E-18	0.119255	0.0099
8.64E-24	-0.35409	3.06E-15	-0.33964	4.50E-14	-0.48561	5.27E-29	-0.02541	0.58393
1.96E-06	-0.1791	9.96E-05	-0.06842	0.13983	-0.2238	1.03E-06	0.137174	0.00297
2.34E-14	-0.36792	2.04E-16	-0.26757	4.25E-09	-0.39253	1.18E-18	0.03916	0.39849
2.24E-08	-0.18849	4.15E-05	-0.15749	0.00064	-0.26143	9.79E-09	5.58E-05	0.99904
2.55E-26	-0.45449	3.50E-25	-0.46973	5.26E-27	-0.54598	1.22E-37	-0.04735	0.30725
4.98E-12	-0.26827	3.86E-09	0.021619	0.64122	-0.2201	1.57E-06	-0.1046	0.02379
0.00048	-0.1825	7.29E-05	-0.18918	3.88E-05	-0.25812	1.52E-08	0.006519	0.88826
2.58E-21	-0.36868	1.75E-16	-0.28216	5.38E-10	-0.42219	1.30E-21	-0.08904	0.05449
0.13067	-0.24445	8.81E-08	-0.02929	0.52778	-0.14427	0.00177	-0.01488	0.74845
2.38E-15	-0.35645	1.95E-15	-0.20155	1.14E-05	-0.35755	1.57E-15	0.037829	0.41473
1.01E-13	0.516514	3.30E-33	0.202301	1.05E-05	0.393342	9.91E-19	0.264852	6.16E-09
4.95E-06	-0.42155	1.52E-21	-0.26293	7.99E-09	-0.36412	4.35E-16	0.178372	0.00011
1.35E-12	-0.44579	3.50E-24	-0.54937	3.55E-38	-0.54163	5.89E-37	0.034073	0.46261
0.00043	-0.29094	1.46E-10	-0.12833	0.00548	-0.19341	2.57E-05	0.022513	0.62748
1.75E-07	0.011021	0.81224	-0.07933	0.08683	-0.18747	4.57E-05	-0.098	0.03424
2.19E-12	-0.26317	7.74E-09	-0.17237	0.00018	-0.31809	1.93E-12	-0.05717	0.21756
0.26061	-0.01623	0.72645	0.226849	7.28E-07	0.029736	0.52151	0.110647	0.01675
8.84E-27	-0.41141	1.68E-20	-0.28717	2.57E-10	-0.46062	6.63E-26	-0.20403	8.83E-06
7.94E-05	-0.27661	1.20E-09	-0.2301	4.99E-07	-0.28843	2.13E-10	0.187515	4.55E-05
2.66E-08	-0.23377	3.24E-07	-0.18481	5.87E-05	-0.28371	4.28E-10	-0.38892	2.59E-18
0.0003	-0.18155	7.96E-05	-0.03073	0.5077	-0.18595	5.28E-05	0.014305	0.75783
3.36E-08	-0.21384	3.12E-06	-0.15061	0.0011	-0.30208	2.61E-11	-0.13121	0.00451

1.41E-08	-0.18194	7.67E-05	-0.07123	0.12425	-0.22525	8.75E-07	-0.01406	0.76189
0.44881	-0.27906	8.43E-10	0.068458	0.13963	-0.07572	0.10219	0.054744	0.2377
0.00058	-0.09025	0.05128	-0.22817	6.24E-07	-0.21012	4.66E-06	0.223856	1.03E-06
1.23E-32	-0.4498	1.22E-24	-0.41961	2.43E-21	-0.5396	1.22E-36	-0.07026	0.12949
0.65868	-0.18588	5.31E-05	-0.21891	1.79E-06	-0.18345	6.67E-05	0.264066	6.86E-09
5.95E-09	-0.27511	1.48E-09	-0.20681	6.60E-06	-0.31357	4.09E-12	-0.04403	0.34245
1.17E-18	-0.42987	2.00E-22	-0.47672	7.15E-28	-0.51698	2.83E-33	-0.08882	0.05511
3.02E-05	-0.38847	2.86E-18	-0.12277	0.0079	-0.28429	3.93E-10	-0.23988	1.55E-07
0.0002	-0.34947	7.34E-15	-0.25263	3.12E-08	-0.30241	2.48E-11	0.160557	0.0005
1.55E-09	-0.38748	3.53E-18	-0.31349	4.15E-12	-0.41315	1.12E-20	-0.0592	0.20159
1.36E-10	-0.39876	2.99E-19	-0.32876	3.12E-13	-0.38184	1.17E-17	-0.1465	0.0015
1.05E-12	-0.47023	4.57E-27	-0.28299	4.76E-10	-0.46133	5.46E-26	-0.06642	0.15181
0.00014	0.338034	6.03E-14	0.188692	4.07E-05	0.25211	3.33E-08	0.162598	0.00042
1.77E-16	-0.28589	3.10E-10	-0.22838	6.10E-07	-0.37941	1.95E-17	0.003193	0.94513
6.20E-07	-0.1442	0.00178	-0.08633	0.0623	-0.19991	1.35E-05	-0.01816	0.69553
5.91E-09	-0.2972	5.60E-11	-0.12815	0.00555	-0.28039	6.96E-10	-0.16045	0.0005
0.0005	-0.19426	2.37E-05	-0.16458	0.00035	-0.2285	6.01E-07	-0.04023	0.38568
2.95E-07	-0.02349	0.61262	0.066446	0.15167	-0.1294	0.0051	0.120553	0.00911
2.25E-05	-0.13224	0.0042	-0.06802	0.14218	-0.21472	2.84E-06	0.22135	1.36E-06
3.45E-17	-0.37709	3.15E-17	-0.29805	4.91E-11	-0.45524	2.86E-25	-0.04197	0.36554
0.68176	-0.09261	0.04548	-0.03088	0.50564	-0.09253	0.04567	0.214495	2.91E-06
0.70599	-0.26547	5.66E-09	0.04894	0.29124	-0.0612	0.18675	0.007984	0.86338
5.03E-15	-0.45345	4.62E-25	-0.41342	1.05E-20	-0.49145	9.14E-30	0.010531	0.82045
0.45064	-0.07082	0.12644	-0.07051	0.1281	-0.10507	0.02317	0.116786	0.01155
0.00311	-0.37285	7.54E-17	-0.0921	0.04668	-0.23148	4.24E-07	-0.08574	0.06411
1.46E-13	-0.29242	1.17E-10	-0.27462	1.59E-09	-0.37592	4.02E-17	-0.17023	0.00022
0.9469	-0.16463	0.00035	-0.039	0.40038	-0.07659	0.09832	0.254448	2.46E-08
6.43E-05	0.111793	0.01565	-0.05362	0.24748	-0.12245	0.00807	0.141608	0.00216
0.94467	-0.18297	6.98E-05	0.057372	0.2159	-0.08751	0.05881	-0.02568	0.57995
0.00059	-0.36418	4.30E-16	-0.11049	0.01691	-0.26111	1.02E-08	-0.08954	0.05316
5.30E-05	-0.24184	1.22E-07	-0.06402	0.1672	-0.23075	4.62E-07	-0.14569	0.00159
4.21E-06	-0.27846	9.19E-10	-0.06446	0.1643	-0.20725	6.31E-06	-0.08097	0.08048
0.07268	-0.08414	0.06926	-0.14382	0.00183	-0.14821	0.00132	0.036624	0.42976
2.87E-09	-0.1882	4.26E-05	-0.22378	1.03E-06	-0.31179	5.49E-12	-0.02823	0.54288
9.13E-21	-0.41959	2.44E-21	-0.3483	9.15E-15	-0.48989	1.46E-29	-0.21207	3.78E-06
6.01E-05	-0.33802	6.05E-14	-0.22144	1.35E-06	-0.30831	9.67E-12	-0.08664	0.06137
1.96E-09	-0.39327	1.01E-18	-0.33866	5.38E-14	-0.37909	2.08E-17	-0.01091	0.81417
0.08647	-0.20307	9.75E-06	-0.21871	1.83E-06	-0.20783	5.93E-06	0.042127	0.3637
0.00012	-0.28994	1.70E-10	-0.27406	1.72E-09	-0.327	4.24E-13	-0.10778	0.01982
2.68E-11	-0.26571	5.48E-09	-0.26152	9.67E-09	-0.36275	5.70E-16	-0.24353	9.87E-08
3.10E-11	-0.32606	4.98E-13	-0.08831	0.05651	-0.3134	4.21E-12	-0.08011	0.08373
0.03187	-0.16567	0.00032	-0.19111	3.22E-05	-0.18541	5.56E-05	0.145364	0.00163
3.42E-10	-0.20844	5.56E-06	-0.05535	0.23258	-0.22713	7.04E-07	0.055025	0.2353
1.22E-14	-0.36312	5.30E-16	-0.27223	2.22E-09	-0.3941	8.40E-19	-0.07658	0.09834
1.31E-19	-0.33667	7.70E-14	-0.26761	4.23E-09	-0.45702	1.77E-25	-0.14718	0.00143

1.29E-05	-0.38628	4.57E-18	-0.09511	0.03992	-0.27194	2.32E-09	-0.01541	0.7398
0.33699	-0.08366	0.07089	0.033685	0.46772	-0.05139	0.26775	0.194596	2.29E-05
1.37E-07	-0.22478	9.23E-07	-0.32115	1.15E-12	-0.35375	3.27E-15	-0.02252	0.62734
0.22345	-0.23278	3.64E-07	-0.21034	4.55E-06	-0.23121	4.38E-07	0.322202	9.65E-13
0.00219	-0.18793	4.38E-05	-0.13141	0.00445	-0.20904	5.22E-06	0.119048	0.01003
0.00014	-0.15586	0.00073	0.069905	0.13144	-0.09951	0.03156	0.013397	0.77277
8.10E-24	-0.36518	3.53E-16	-0.38648	4.37E-18	-0.50468	1.51E-31	-0.14282	0.00198
0.40915	-0.05909	0.20242	0.035371	0.44573	0.008567	0.8535	-0.10377	0.02493
9.29E-05	-0.44126	1.13E-23	-0.36693	2.49E-16	-0.41594	5.81E-21	-0.11011	0.01729
0.0276	-0.04921	0.28861	-0.12296	0.00781	-0.12853	0.00541	-0.07318	0.11428
5.96E-12	-0.39598	5.55E-19	-0.31382	3.94E-12	-0.38537	5.54E-18	-0.18683	4.85E-05
0.00121	-0.32311	8.27E-13	-0.25776	1.60E-08	-0.29822	4.78E-11	-0.13389	0.00375
1.72E-11	-0.06098	0.18835	-0.16772	0.00027	-0.28885	2.00E-10	-0.30253	2.43E-11
0.00665	-0.32832	3.37E-13	-0.19286	2.72E-05	-0.29073	1.51E-10	0.08079	0.08115
1.37E-07	-0.42887	2.56E-22	-0.32735	3.98E-13	-0.41594	5.80E-21	-0.1229	0.00784
5.30E-17	-0.30314	2.21E-11	-0.25436	2.49E-08	-0.38464	6.48E-18	0.01452	0.75432
0.02092	-0.3813	1.31E-17	-0.23634	2.38E-07	-0.29422	8.86E-11	-0.11225	0.01523
0.08662	-0.32595	5.08E-13	-0.15184	0.001	-0.21442	2.93E-06	0.014989	0.74664
4.15E-23	-0.46839	7.67E-27	-0.37021	1.29E-16	-0.51278	1.12E-32	-0.14345	0.00188
0.2156	-0.38515	5.81E-18	-0.26927	3.36E-09	-0.28235	5.23E-10	0.039895	0.3897
6.61E-16	-0.4702	4.61E-27	-0.52164	6.01E-34	-0.56278	2.29E-40	0.008486	0.85488
3.99E-06	-0.3273	4.02E-13	-0.18963	3.72E-05	-0.27951	7.90E-10	-0.08585	0.06378
0.00192	-0.06369	0.16939	-0.17215	0.00019	-0.13979	0.00246	0.026877	0.56234
2.29E-07	-0.23908	1.71E-07	-0.083	0.07316	-0.22979	5.17E-07	-0.0106	0.81924
0.31072	-0.13913	0.00258	0.06716	0.14731	-0.07943	0.08642	-0.02967	0.5225
0.98992	-0.03973	0.39164	0.016651	0.71967	-0.06204	0.18074	-0.00411	0.92948
0.31688	-0.09745	0.03526	0.171842	0.00019	-0.00258	0.95565	-0.00189	0.96757
0.27567	-0.2253	8.70E-07	-0.16497	0.00034	-0.15575	0.00073	0.233764	3.24E-07
4.28E-31	-0.46785	8.93E-27	-0.45761	1.51E-25	-0.56702	4.43E-41	-0.08758	0.05859
0.01892	-0.33173	1.85E-13	-0.3039	1.96E-11	-0.31196	5.34E-12	-0.10837	0.01915
0.00485	-0.27233	2.19E-09	-0.21036	4.54E-06	-0.22653	7.55E-07	-0.15506	0.00077
0.02261	-0.05562	0.23031	0.098112	0.03404	0.022673	0.62504	-0.03567	0.44192
5.87E-23	-0.38661	4.26E-18	-0.4206	1.92E-21	-0.51309	1.01E-32	-0.05411	0.24316
0.42014	-0.15783	0.00062	-0.21246	3.62E-06	-0.15789	0.00062	-0.05911	0.20228
0.19879	-0.3069	1.21E-11	-0.19467	2.27E-05	-0.2398	1.56E-07	-0.11221	0.01526
5.51E-07	-0.39824	3.36E-19	-0.29662	6.13E-11	-0.34499	1.69E-14	-0.04697	0.31108
1.46E-08	-0.32003	1.39E-12	-0.14523	0.00165	-0.31857	1.78E-12	-0.08755	0.05869
2.26E-18	-0.22581	8.20E-07	-0.23628	2.40E-07	-0.3704	1.24E-16	0.016915	0.71542
7.81E-12	-0.33678	7.55E-14	-0.43451	6.29E-23	-0.47754	5.63E-28	0.046872	0.31213
5.66E-09	0.474518	1.35E-27	0.351746	4.78E-15	0.382161	1.09E-17	0.172635	0.00018
1.71E-10	-0.45084	9.28E-25	-0.32387	7.26E-13	-0.44271	7.79E-24	-0.00619	0.89386
2.23E-05	-0.42739	3.68E-22	-0.19419	2.38E-05	-0.29892	4.29E-11	0.053056	0.2525
0.00162	-0.26354	7.37E-09	-0.13012	0.00486	-0.20738	6.22E-06	0.068357	0.14022
0.01131	-0.08212	0.07626	0.071938	0.12056	-0.09522	0.0397	-0.04377	0.3453
4.92E-06	0.149336	0.00121	0.127889	0.00565	0.201741	1.12E-05	0.403902	9.42E-20

0.58896	0.064792	0.16215	0.011251	0.8084	-0.00577	0.90097	0.232713	3.67E-07
4.09E-14	-0.4774	5.87E-28	-0.53491	6.36E-36	-0.55608	2.93E-39	-0.12032	0.00925
6.46E-08	-0.37681	3.34E-17	-0.38168	1.21E-17	-0.41226	1.38E-20	-0.04011	0.38715
0.0125	-0.14189	0.00211	-0.06618	0.15335	-0.12065	0.00906	0.255198	2.23E-08
4.71E-25	-0.2638	7.11E-09	-0.20088	1.22E-05	-0.38777	3.32E-18	-0.35289	3.84E-15
4.96E-11	-0.41478	7.63E-21	-0.10899	0.01847	-0.30243	2.47E-11	-0.27727	1.09E-09
0.03772	-0.21633	2.38E-06	-0.04897	0.29092	-0.06037	0.19283	0.114053	0.01366
7.31E-14	0.42377	8.91E-22	0.320617	1.26E-12	0.423157	1.03E-21	0.120135	0.00936
1.26E-36	0.582974	7.35E-44	0.334427	1.15E-13	0.594233	6.46E-46	0.29771	5.18E-11
0.46239	-0.39491	7.02E-19	-0.23968	1.59E-07	-0.26502	6.03E-09	0.025925	0.57627
4.99E-14	-0.09826	0.03376	-0.15525	0.00076	-0.25043	4.13E-08	-0.10547	0.02264
0.01461	-0.52188	5.54E-34	-0.24814	5.54E-08	-0.32842	3.31E-13	-0.0961	0.0379
1.17E-05	-0.37196	9.03E-17	-0.29208	1.23E-10	-0.36836	1.87E-16	0.101764	0.02788
6.60E-06	-0.12214	0.00824	0.068803	0.13764	0.021419	0.64432	-0.1015	0.02829
1.48E-10	-0.24111	1.33E-07	-0.34204	2.91E-14	-0.38568	5.19E-18	-0.00292	0.94977
0.52863	0.108276	0.01926	0.036788	0.4277	0.043793	0.34502	0.210007	4.71E-06
1.64E-10	-0.43822	2.46E-23	-0.18843	4.17E-05	-0.36694	2.49E-16	-0.15977	0.00053
7.86E-24	0.689357	4.21E-67	0.414385	8.38E-21	0.560088	6.42E-40	0.07312	0.11456
0.37353	0.188717	4.06E-05	0.008402	0.8563	0.041432	0.37167	0.151912	0.00099
0.03609	-0.37509	4.76E-17	-0.17587	0.00013	-0.26021	1.15E-08	0.052973	0.25325
0.00132	-0.21483	2.80E-06	0.030467	0.51132	-0.13086	0.00462	0.089994	0.05195
0.08949	-0.23474	2.88E-07	-0.11272	0.0148	-0.17859	0.0001	0.078492	0.09021
0.04403	-0.13332	0.0039	0.018921	0.6834	-0.11589	0.01221	0.053342	0.24996
7.63E-10	-0.48308	1.12E-28	-0.33757	6.55E-14	-0.42935	2.27E-22	0.031145	0.50195
2.52E-17	-0.58318	6.75E-44	-0.26402	6.90E-09	-0.49094	1.07E-29	-0.21646	2.34E-06
3.71E-20	-0.40906	2.90E-20	-0.39346	9.67E-19	-0.49544	2.70E-30	-0.09443	0.04138
4.53E-24	-0.46208	4.44E-26	-0.3923	1.24E-18	-0.52583	1.46E-34	0.013513	0.77086
1.33E-08	-0.36797	2.02E-16	-0.33699	7.27E-14	-0.40757	4.08E-20	-0.01219	0.79272
0.0061	0.096229	0.03764	0.1068	0.02098	0.147224	0.00142	0.010044	0.82862
0.32197	-0.15936	0.00055	0.030454	0.5115	-0.08627	0.06248	0.153028	0.00091
0.03824	-0.37956	1.89E-17	-0.10107	0.02897	-0.21619	2.42E-06	0.003137	0.9461
0.00055	-0.03987	0.38994	-0.10797	0.0196	-0.16044	0.0005	0.056036	0.2268
0.01207	-0.44048	1.38E-23	-0.27731	1.08E-09	-0.28601	3.05E-10	-0.07915	0.08752
0.00014	-0.4439	5.72E-24	-0.18517	5.68E-05	-0.30132	2.95E-11	0.038429	0.40736
1.78E-15	-0.37425	5.66E-17	-0.42786	3.28E-22	-0.46933	5.88E-27	0.089912	0.05217
5.31E-05	-0.11608	0.01206	-0.0571	0.2181	-0.14553	0.00161	0.07679	0.09743
4.72E-19	-0.40833	3.43E-20	-0.44318	6.90E-24	-0.51115	1.90E-32	-0.11066	0.01674
2.11E-07	0.458919	1.06E-25	0.211903	3.85E-06	0.334101	1.22E-13	-0.06096	0.18848
1.37E-12	-0.47438	1.40E-27	-0.24822	5.48E-08	-0.41003	2.31E-20	-0.0509	0.27228
0.00474	-0.18799	4.35E-05	-0.15596	0.00072	-0.23789	1.97E-07	-0.16939	0.00024
6.40E-25	-0.46322	3.24E-26	-0.61114	3.68E-49	-0.62763	1.61E-52	-0.17068	0.00021
0.9443	-0.0507	0.27419	0.016013	0.72999	-0.01385	0.76534	0.112456	0.01504
1.91E-07	-0.34575	1.47E-14	-0.21135	4.08E-06	-0.32049	1.29E-12	-0.16929	0.00024
0.24473	0.057022	0.21872	-0.0403	0.38487	-0.04608	0.32038	-0.17836	0.00011
9.51E-06	-0.34448	1.86E-14	-0.28919	1.90E-10	-0.35238	4.23E-15	-0.01199	0.7961

2.39E-24	-0.28007	7.28E-10	-0.26319	7.72E-09	-0.42911	2.41E-22	-0.16554	0.00033
6.40E-06	-0.32828	3.39E-13	-0.29121	1.40E-10	-0.3065	1.29E-11	0.048888	0.29175
5.20E-14	-0.55223	1.24E-38	-0.45595	2.36E-25	-0.53801	2.14E-36	-0.14785	0.00135
4.50E-07	-0.19862	1.53E-05	-0.28738	2.49E-10	-0.31604	2.72E-12	-0.1008	0.02941
3.29E-23	0.327311	4.01E-13	0.288824	2.01E-10	0.424697	7.12E-22	0.29081	1.49E-10
0.06156	-0.20928	5.09E-06	0.002738	0.95295	-0.11118	0.01623	0.045399	0.3276
0.00609	-0.13517	0.00343	0.06417	0.16622	-0.0637	0.16936	0.030965	0.50443
0.11703	0.176701	0.00012	0.06555	0.15728	-0.02184	0.63775	0.104715	0.02363
0.00327	-0.29975	3.77E-11	-0.1927	2.76E-05	-0.25839	1.47E-08	0.235031	2.78E-07
0.00025	-0.39212	1.29E-18	-0.2084	5.59E-06	-0.30016	3.53E-11	-0.07061	0.12758
1.39E-06	-0.09549	0.03913	-0.08014	0.08365	-0.19034	3.47E-05	-0.15932	0.00055
1.69E-14	0.472504	2.40E-27	0.304506	1.78E-11	0.422115	1.33E-21	0.260824	1.06E-08
0.70617	0.054768	0.2375	0.172129	0.00019	0.083251	0.07228	0.013748	0.76699
1.10E-16	-0.58938	5.08E-45	-0.49308	5.56E-30	-0.56062	5.24E-40	-0.23168	4.14E-07
3.79E-07	-0.37753	2.88E-17	-0.15504	0.00077	-0.30594	1.42E-11	0.204093	8.77E-06
7.07E-06	-0.4216	1.51E-21	-0.29601	6.73E-11	-0.3433	2.31E-14	-0.02258	0.62646
8.91E-06	-0.34576	1.47E-14	-0.09538	0.03937	-0.23379	3.23E-07	0.051259	0.26895
0.39152	-0.23463	2.92E-07	-0.12535	0.00668	-0.17549	0.00014	0.013345	0.77363
5.06E-14	0.193104	2.65E-05	-0.00431	0.92604	0.186243	5.13E-05	0.34212	2.87E-14
0.12851	0.011935	0.79699	-0.15291	0.00092	-0.03229	0.48633	0.232504	3.76E-07
0.47303	0.149928	0.00116	-0.1533	0.00089	-0.05062	0.27498	0.239151	1.69E-07
6.32E-05	0.132568	0.00411	-0.19837	1.57E-05	0.004833	0.91704	0.258446	1.46E-08
5.91E-17	0.297963	4.98E-11	0.074529	0.10773	0.245462	7.76E-08	0.263486	7.42E-09
3.34E-06	-0.2195	1.67E-06	-0.18229	7.43E-05	-0.03847	0.40681	0.340131	4.12E-14
0.023	0.007928	0.86433	-0.31517	3.14E-12	-0.09733	0.03549	0.181022	8.35E-05
1.31E-05	-0.06158	0.184	-0.47282	2.19E-27	-0.35571	2.24E-15	-0.18685	4.85E-05
0.79912	-0.31014	7.19E-12	-0.49066	1.16E-29	-0.32065	1.26E-12	0.05472	0.23791
0.05098	0.146116	0.00154	-0.12466	0.00699	-0.00645	0.8894	0.244093	9.20E-08
1.22E-18	0.301463	2.88E-11	0.0562	0.22544	0.271887	2.33E-09	0.312011	5.29E-12
0.17036	-0.11745	0.01108	-0.36417	4.31E-16	-0.16399	0.00037	0.109647	0.01777
0.00308	0.06754	0.14503	-0.37924	2.02E-17	-0.21947	1.68E-06	-0.10551	0.02259
0.00121	-0.15601	0.00072	-0.55701	2.06E-39	-0.37012	1.31E-16	0.043299	0.3505
0.70388	0.075676	0.1024	-0.40078	1.91E-19	-0.18078	8.54E-05	0.050396	0.27711
1.90E-06	-0.02695	0.56127	-0.22127	1.37E-06	-0.03776	0.41555	0.193779	2.48E-05
7.88E-12	0.274271	1.67E-09	-0.11672	0.01159	0.177516	0.00011	0.050068	0.28025
0.01361	0.124375	0.00712	-0.18505	5.74E-05	-0.10305	0.02595	0.100593	0.02974
0.04023	-0.09008	0.05174	-0.4033	1.08E-19	-0.26051	1.11E-08	0.165636	0.00032
0.46656	-0.21328	3.31E-06	-0.41263	1.26E-20	-0.21577	2.53E-06	-0.01704	0.71346
0.79132	0.107452	0.0202	-0.24137	1.29E-07	-0.15164	0.00101	0.159659	0.00053
0.1649	-0.15906	0.00056	-0.39106	1.63E-18	-0.21081	4.32E-06	0.168985	0.00024
8.96E-10	0.38193	1.15E-17	0.654694	1.72E-58	0.507686	5.80E-32	-0.06945	0.13396
8.10E-07	-0.09162	0.04785	-0.09761	0.03496	0.003813	0.9345	0.253191	2.90E-08
6.23E-24	0.181742	7.82E-05	-0.08632	0.06233	0.212039	3.79E-06	0.222736	1.16E-06
9.72E-07	0.113668	0.01398	-0.1218	0.00842	0.078358	0.09076	0.0584	0.20777
0.70503	-0.11746	0.01108	-0.42963	2.12E-22	-0.21817	1.94E-06	0.26224	8.77E-09

0.09162	-0.20401	8.84E-06	-0.45647	2.05E-25	-0.28865	2.06E-10	0.298216	4.78E-11
0.11852	-0.19202	2.95E-05	-0.39772	3.77E-19	-0.27812	9.64E-10	0.152166	0.00097
0.01191	0.002771	0.95238	-0.16452	0.00036	-0.16719	0.00028	-0.0017	0.97075
4.65E-11	-0.34927	7.62E-15	-0.69122	1.34E-67	-0.54976	3.07E-38	-0.04844	0.29625
0.16827	-0.19496	2.21E-05	-0.41984	2.30E-21	-0.24108	1.34E-07	0.044792	0.33412
4.38E-11	0.027523	0.55298	-0.18371	6.51E-05	0.091563	0.04798	0.290523	1.55E-10
2.72E-05	0.038357	0.40824	-0.05504	0.23519	0.089716	0.05269	0.291657	1.31E-10
9.97E-15	0.225024	8.97E-07	-0.13032	0.00479	0.134581	0.00357	0.218292	1.91E-06
2.35E-31	0.324025	7.07E-13	0.28834	2.16E-10	0.398465	3.20E-19	0.037544	0.41826
0.76849	-0.35447	2.84E-15	-0.45279	5.51E-25	-0.31638	2.57E-12	0.089862	0.0523
1.15E-14	-0.12816	0.00554	-0.37258	7.96E-17	-0.38605	4.79E-18	-0.09929	0.03193
0.00989	-0.07133	0.12375	-0.15064	0.00109	-0.08173	0.07768	0.166519	0.0003
4.21E-10	0.330175	2.44E-13	0.6107	4.49E-49	0.496764	1.80E-30	-0.09879	0.03281
0.67472	-0.20335	9.47E-06	-0.54837	5.12E-38	-0.30061	3.29E-11	0.111187	0.01623
0.01518	-0.05783	0.21227	-0.32783	3.67E-13	-0.24738	6.09E-08	0.191601	3.07E-05
0.13795	-0.12019	0.00932	-0.23621	2.42E-07	-0.16181	0.00045	0.080963	0.0805
0.18037	-0.12618	0.00632	-0.45417	3.82E-25	-0.28884	2.00E-10	0.013392	0.77286
0.0013	-0.01104	0.81198	-0.25815	1.51E-08	-0.09478	0.04063	0.005816	0.90024
3.74E-07	-0.02277	0.62362	-0.20471	8.22E-06	-0.03868	0.40431	-0.00357	0.93874
0.20716	-0.41763	3.89E-21	-0.56027	6.00E-40	-0.4116	1.61E-20	0.040263	0.38533
0.05912	-0.24789	5.71E-08	-0.36643	2.75E-16	-0.29054	1.55E-10	-0.03145	0.49777
1.91E-15	0.077168	0.09579	-0.01755	0.70518	0.186848	4.85E-05	0.276931	1.14E-09
0.96922	-0.10833	0.0192	-0.41507	7.14E-21	-0.22718	7.00E-07	0.145106	0.00167
0.36172	-0.01081	0.81573	-0.31686	2.37E-12	-0.15812	0.0006	0.127256	0.00589
0.00084	-0.00812	0.8611	-0.2384	1.85E-07	-0.19898	1.48E-05	0.073932	0.11058
3.17E-23	0.003182	0.94533	-0.08996	0.05205	0.165753	0.00032	0.052657	0.2561
0.02601	-0.06692	0.14874	-0.16543	0.00033	-0.16052	0.0005	-0.42114	1.68E-21
0.7082	0.190995	3.26E-05	-0.15127	0.00104	-0.03953	0.394	-0.03745	0.41943
2.77E-08	0.062829	0.17527	-0.19563	2.07E-05	0.068373	0.14013	0.274168	1.69E-09
1.37E-22	0.34128	3.34E-14	0.183372	6.72E-05	0.350141	6.47E-15	0.225779	8.23E-07
0.00196	-0.2219	1.28E-06	-0.24155	1.26E-07	-0.12178	0.00842	0.056221	0.22527
0.18156	-0.12858	0.00539	-0.46545	1.75E-26	-0.22058	1.48E-06	0.110768	0.01663
0.23724	-0.16038	0.0005	-0.31271	4.72E-12	-0.2471	6.32E-08	-0.04467	0.33545
5.39E-20	0.169606	0.00023	-0.02507	0.58888	0.195355	2.12E-05	0.478573	4.18E-28
0.40501	0.219215	1.73E-06	-0.1799	9.26E-05	-0.08362	0.07103	-0.00187	0.96792
0.16674	-0.20648	6.84E-06	-0.37586	4.06E-17	-0.20783	5.93E-06	0.036046	0.43709
0.18498	0.236455	2.35E-07	0.43118	1.45E-22	0.279813	7.56E-10	-0.07657	0.09839
0.09209	0.044663	0.33551	-0.17389	0.00016	-0.16895	0.00024	0.076511	0.09865
3.92E-07	-0.07149	0.12288	-0.26909	3.44E-09	-0.01533	0.74106	0.031939	0.49111
3.18E-05	0.192853	2.72E-05	-0.05832	0.20843	0.110369	0.01703	-0.03403	0.46314
0.61611	-0.08676	0.061	-0.21066	4.39E-06	-0.1473	0.00141	-0.12193	0.00835
3.07E-19	0.244818	8.41E-08	-0.06503	0.16061	0.235106	2.76E-07	0.314008	3.81E-12
0.01914	0.26656	4.88E-09	0.411502	1.64E-20	0.2861	3.01E-10	-0.24498	8.24E-08
1.73E-08	-0.06272	0.17602	-0.48246	1.34E-28	-0.37366	6.39E-17	0.024384	0.59916
0.617	-0.18026	8.96E-05	-0.46383	2.74E-26	-0.26196	9.11E-09	-0.06932	0.13469

3.48E-09	0.182102	7.56E-05	-0.12823	0.00552	0.092823	0.04498	0.190375	3.46E-05
3.61E-27	0.240036	1.52E-07	0.026398	0.56934	0.335047	1.03E-13	0.260841	1.06E-08
0.08352	-0.24593	7.31E-08	-0.61452	7.83E-50	-0.34944	7.39E-15	-0.06815	0.14142
0.00502	-0.366	3.00E-16	-0.51157	1.66E-32	-0.40139	1.66E-19	-0.12119	0.00875
1.49E-14	0.140773	0.00229	-0.00628	0.89232	0.202823	9.99E-06	0.305275	1.57E-11
0.25695	0.195348	2.13E-05	-0.10042	0.03002	0.02838	0.54069	0.139765	0.00247
2.26E-22	0.431027	1.50E-22	0.268517	3.73E-09	0.417686	3.84E-21	0.213235	3.33E-06
0.03468	-0.13846	0.00271	-0.31157	5.69E-12	-0.14336	0.0019	0.186145	5.18E-05
0.01599	-0.44784	2.05E-24	-0.56292	2.16E-40	-0.43043	1.74E-22	-0.14499	0.00168
0.36387	0.032164	0.48807	-0.2224	1.21E-06	-0.11373	0.01393	0.375005	4.85E-17
1.42E-16	0.046085	0.32034	-0.01945	0.67498	0.136017	0.00323	0.091236	0.04879
0.01743	0.184618	5.98E-05	-0.21145	4.04E-06	-0.02568	0.57985	0.092461	0.04582
0.04127	-0.03581	0.44015	-0.27694	1.14E-09	-0.23555	2.61E-07	0.082486	0.07495
0.83814	0.168213	0.00026	-0.29792	5.01E-11	-0.11384	0.01384	0.195808	2.03E-05
0.02144	0.01287	0.78148	-0.30603	1.39E-11	-0.1043	0.0242	0.1202	0.00932
7.17E-06	-0.07538	0.10376	-0.22566	8.34E-07	-0.03202	0.49004	0.273128	1.96E-09
3.73E-15	0.274524	1.61E-09	0.081505	0.07849	0.225312	8.68E-07	0.284028	4.09E-10
0.15694	-0.00953	0.83734	-0.05961	0.19849	0.015431	0.73944	0.084599	0.06776
1.54E-07	-0.02989	0.51934	-0.18059	8.69E-05	0.011312	0.80739	0.08467	0.06753
0.02472	-0.07243	0.11805	-0.19663	1.87E-05	-0.199	1.48E-05	-0.17672	0.00012
9.57E-13	0.338283	5.76E-14	-0.00761	0.86968	0.227974	6.39E-07	0.246993	6.40E-08
6.20E-38	0.420669	1.88E-21	0.192961	2.69E-05	0.415746	6.08E-21	0.169731	0.00023
0.00775	0.243668	9.70E-08	-0.2028	1.00E-05	0.002847	0.95107	-0.02225	0.63149
0.12577	0.097728	0.03475	-0.17054	0.00021	-0.02935	0.52688	0.146147	0.00154
0.58241	-0.10105	0.02901	-0.39417	8.27E-19	-0.20825	5.68E-06	0.062968	0.17432
0.28998	-0.13818	0.00277	-0.49756	1.40E-30	-0.29437	8.66E-11	0.125267	0.00672
0.01272	-0.02706	0.55962	-0.23681	2.25E-07	-0.08961	0.05297	0.046926	0.31157
4.88E-10	0.155272	0.00076	-0.09289	0.04482	0.08968	0.05278	0.340622	3.77E-14
2.06E-08	0.075087	0.10511	0.00249	0.95721	0.159791	0.00053	0.182565	7.24E-05
0.17829	-0.01053	0.82052	-0.27646	1.22E-09	-0.10567	0.02238	0.157109	0.00066
9.88E-12	0.071818	0.12118	-0.03036	0.51283	0.167616	0.00027	0.366267	2.84E-16
6.71E-06	-0.00834	0.8573	-0.13219	0.00422	0.048412	0.29648	-0.12847	0.00543
3.20E-06	0.214655	2.86E-06	-0.14758	0.00138	0.032306	0.48615	0.150516	0.0011
0.00754	0.33004	2.49E-13	0.021064	0.6498	0.160917	0.00048	0.118321	0.0105
0.00452	0.083405	0.07175	-0.32629	4.79E-13	-0.06383	0.16851	0.067462	0.1455
8.43E-06	0.141364	0.0022	0.059867	0.19655	0.157237	0.00065	0.198145	1.61E-05
0.00483	0.097089	0.03595	-0.3384	5.64E-14	-0.08537	0.06528	0.155925	0.00072
0.0002	-0.03766	0.41683	-0.33898	5.08E-14	-0.26659	4.86E-09	-0.07368	0.11181
0.65989	0.157315	0.00065	0.41956	2.46E-21	0.209534	4.95E-06	-0.17527	0.00014
2.03E-19	0.275838	1.34E-09	0.233178	3.47E-07	0.350405	6.16E-15	0.283141	4.66E-10
5.03E-09	0.218299	1.91E-06	0.53225	1.61E-35	0.407444	4.20E-20	-0.13814	0.00277
0.67117	-0.14453	0.00174	-0.29301	1.07E-10	-0.15159	0.00102	0.120307	0.00926
4.63E-05	-0.14281	0.00198	-0.52973	3.85E-35	-0.37249	8.10E-17	-0.06614	0.15356
4.31E-22	-0.28944	1.83E-10	-0.40561	6.40E-20	-0.4804	2.45E-28	-0.27834	9.35E-10
0.53887	-0.19142	3.13E-05	-0.36127	7.63E-16	-0.24955	4.63E-08	-0.1362	0.00319

0.16109	-0.1517	0.00101	-0.25285	3.03E-08	-0.22623	7.81E-07	-0.00119	0.97951
0.00062	-0.01386	0.76516	-0.11003	0.01738	0.013917	0.76421	0.06946	0.13392
2.62E-05	-0.42958	2.15E-22	-0.67318	6.14E-63	-0.49661	1.88E-30	-0.04785	0.30218
2.91E-05	-0.28266	4.99E-10	-0.64929	3.00E-57	-0.46088	6.18E-26	0.091863	0.04725
0.4505	-0.12427	0.00717	-0.46992	4.99E-27	-0.26804	3.98E-09	-0.02682	0.56312
1.10E-06	-0.05035	0.27751	-0.11415	0.01357	0.078132	0.0917	0.072602	0.11716
0.33316	-0.14482	0.0017	-0.44528	3.99E-24	-0.23507	2.77E-07	0.038216	0.40997
0.03974	-0.33735	6.81E-14	-0.50283	2.71E-31	-0.37988	1.76E-17	-0.16483	0.00035
0.00023	-0.10574	0.02229	-0.40195	1.47E-19	-0.32459	6.41E-13	-0.01787	0.70012
0.09854	-0.04252	0.35926	-0.19791	1.65E-05	-0.06644	0.1517	-0.05719	0.21738
0.00011	-0.04431	0.33932	-0.38689	4.01E-18	-0.12498	0.00685	0.267351	4.38E-09
3.70E-07	-0.08374	0.07062	-0.25383	2.67E-08	-0.04327	0.35085	0.138763	0.00265
0.00396	-0.27758	1.04E-09	-0.50055	5.54E-31	-0.37409	5.85E-17	-0.09801	0.03421
0.33776	-0.27252	2.14E-09	-0.45199	6.83E-25	-0.29762	5.25E-11	0.008409	0.85619
0.92872	-0.14781	0.00136	-0.30808	1.00E-11	-0.21233	3.67E-06	-0.10205	0.02744
3.47E-07	0.278296	9.40E-10	-0.10143	0.02841	0.1436	0.00186	0.283207	4.61E-10
2.23E-07	0.182344	7.39E-05	0.438071	2.56E-23	0.303775	2.00E-11	-0.15541	0.00075
0.36911	-0.2492	4.84E-08	-0.45466	3.34E-25	-0.30739	1.12E-11	-0.26673	4.77E-09
1.82E-13	-0.03868	0.4043	-0.03215	0.48824	0.131111	0.00454	0.18632	5.10E-05
2.60E-12	0.137352	0.00294	-0.05001	0.28078	0.178284	0.00011	0.348514	8.78E-15
9.98E-19	-0.1336	0.00382	-0.55979	7.19E-40	-0.4514	7.99E-25	-0.25194	3.40E-08
0.17707	-0.15962	0.00054	-0.4832	1.08E-28	-0.20285	9.96E-06	-0.01096	0.81325
2.53E-09	0.152692	0.00093	0.045886	0.32243	0.17604	0.00013	0.107551	0.02009
0.9493	0.104213	0.02431	-0.35387	3.19E-15	-0.12676	0.00609	0.200387	1.28E-05
0.87358	-0.05937	0.20029	-0.24126	1.31E-07	-0.19408	2.41E-05	0.140453	0.00235
5.54E-13	0.015035	0.74589	-0.08415	0.06926	0.090578	0.05044	0.079126	0.08763
0.02743	0.085624	0.06449	-0.30563	1.49E-11	-0.17799	0.00011	-0.09743	0.03531
5.13E-10	0.261999	9.06E-09	0.096849	0.03642	0.28032	7.02E-10	0.11779	0.01085
0.22479	-0.12978	0.00497	-0.32743	3.93E-13	-0.21075	4.35E-06	0.210834	4.31E-06
0.79288	0.004072	0.93006	-0.07817	0.09153	-0.08058	0.08196	0.113716	0.01394
0.36004	0.379545	1.89E-17	-0.15189	0.00099	-0.0152	0.74324	-0.03801	0.41246
0.04497	-0.11568	0.01236	-0.4762	8.30E-28	-0.31239	4.97E-12	-0.18707	4.75E-05
0.18537	-0.18264	7.19E-05	-0.40688	4.78E-20	-0.19487	2.23E-05	0.158404	0.00059
0.00445	-0.06554	0.15735	-0.25868	1.41E-08	-0.06346	0.17097	0.323152	8.21E-13
0.21658	-0.1044	0.02405	-0.29638	6.36E-11	-0.19775	1.67E-05	0.09029	0.05118
8.87E-07	0.142553	0.00201	-0.07024	0.12959	0.152123	0.00097	0.100843	0.02934
0.00071	0.094129	0.04203	0.042452	0.36001	0.100488	0.02991	0.312371	4.99E-12
1.29E-09	0.297012	5.77E-11	0.629352	7.00E-53	0.480378	2.47E-28	-0.14643	0.00151
7.44E-14	0.088643	0.05559	-0.24672	6.63E-08	0.067042	0.14803	0.155015	0.00078
7.44E-05	-0.2736	1.84E-09	-0.57049	1.13E-41	-0.4246	7.29E-22	0.051094	0.2705
0.60942	-0.10037	0.03011	-0.45083	9.28E-25	-0.23204	3.97E-07	0.009913	0.83082
2.37E-11	0.047259	0.30815	-0.11356	0.01407	0.11476	0.01308	0.303584	2.06E-11
0.00539	-0.25513	2.25E-08	-0.24837	5.37E-08	-0.12579	0.00649	-0.08236	0.07539
0.00216	-0.06681	0.14946	-0.14577	0.00158	-0.04773	0.30332	0.097523	0.03513
0.68236	-0.31387	3.90E-12	-0.50682	7.64E-32	-0.32597	5.06E-13	0.064199	0.16604



0.01879	-0.27612	1.28E-09	-0.52723	9.08E-35	-0.35327	3.58E-15	0.103795	0.02489
0.48326	-0.14321	0.00192	-0.21192	3.84E-06	-0.20814	5.75E-06	-0.03281	0.47934
1.35E-07	-0.12783	0.00567	-0.43107	1.48E-22	-0.36314	5.28E-16	-0.30596	1.41E-11
0.00398	-0.15008	0.00114	-0.48358	9.63E-29	-0.35521	2.47E-15	0.020764	0.65448
0.00593	0.017502	0.70599	-0.27237	2.18E-09	-0.08989	0.05224	-0.11354	0.01409
0.7169	-0.18844	4.17E-05	-0.42757	3.52E-22	-0.27817	9.58E-10	0.214592	2.87E-06
3.83E-12	-0.17034	0.00022	-0.43484	5.79E-23	-0.39131	1.55E-18	0.121138	0.00878
0.00037	-0.26632	5.04E-09	-0.32498	6.01E-13	-0.15274	0.00093	-0.00324	0.94441
0.01748	-0.00405	0.93041	-0.30212	2.60E-11	-0.09208	0.04674	0.078674	0.08947
0.18826	-0.10041	0.03005	-0.47341	1.85E-27	-0.2768	1.17E-09	0.120188	0.00933
0.00063	0.042789	0.35621	0.01085	0.8151	0.120777	0.00899	0.205072	7.92E-06
0.00045	0.046506	0.31593	-0.20278	1.00E-05	7.10E-05	0.99878	0.248606	5.22E-08
0.86188	-0.28562	3.23E-10	-0.42625	4.88E-22	-0.29789	5.03E-11	0.038574	0.40559
3.08E-10	0.275532	1.40E-09	-0.05741	0.21563	0.17689	0.00012	0.243269	1.02E-07
0.5586	-0.26862	3.67E-09	-0.47061	4.10E-27	-0.32352	7.71E-13	0.046392	0.31712
3.29E-06	-0.2946	8.36E-11	-0.47945	3.23E-28	-0.422	1.37E-21	-0.02888	0.53357
1.14E-06	0.050164	0.27933	-0.11391	0.01378	0.072968	0.11532	0.169133	0.00024
0.0429	-0.00146	0.97495	-0.43683	3.50E-23	-0.2605	1.11E-08	-0.02242	0.62884
6.81E-08	-0.05807	0.21034	-0.20511	7.89E-06	0.035901	0.43893	0.102536	0.02671
0.29573	-0.28147	5.94E-10	-0.5576	1.65E-39	-0.35095	5.55E-15	0.020425	0.65975
0.00353	0.030318	0.51339	-0.14506	0.00167	-0.01266	0.78498	0.15737	0.00064
0.13318	-0.12155	0.00855	-0.40066	1.96E-19	-0.19312	2.65E-05	0.036669	0.42919
0.16087	-0.11627	0.01192	-0.46552	1.71E-26	-0.2901	1.66E-10	-0.04731	0.30759
0.56729	-0.01142	0.80552	-0.15027	0.00113	-0.06305	0.17373	0.089124	0.05427
3.09E-06	0.021483	0.64332	-0.28098	6.38E-10	-0.02687	0.56239	-0.03002	0.51751
0.61053	-0.21453	2.90E-06	-0.41281	1.21E-20	-0.26145	9.76E-09	0.284753	3.67E-10
0.01363	-0.13497	0.00348	-0.37102	1.09E-16	-0.17802	0.00011	0.19592	2.01E-05
5.26E-08	0.248875	5.04E-08	-0.04758	0.30483	0.18105	8.33E-05	0.076186	0.1001
2.45E-10	0.229041	5.64E-07	-0.02347	0.61291	0.189065	3.92E-05	-0.03221	0.48746
1.75E-08	0.226728	7.38E-07	-0.19995	1.34E-05	0.116001	0.01212	0.228616	5.93E-07
4.90E-05	0.258619	1.42E-08	0.146346	0.00152	0.223388	1.08E-06	0.468301	7.87E-27
0.11874	-0.25821	1.50E-08	-0.45917	9.86E-26	-0.32411	6.97E-13	0.097064	0.036
1.14E-18	0.261357	9.88E-09	-0.0288	0.53473	0.213601	3.20E-06	0.281179	6.20E-10
0.27971	-0.20794	5.87E-06	-0.36136	7.50E-16	-0.23701	2.19E-07	-0.18503	5.75E-05
0.06122	-0.13948	0.00252	-0.35876	1.24E-15	-0.16207	0.00044	0.143565	0.00187
0.08269	0.173101	0.00017	-0.18054	8.73E-05	0.030285	0.51385	-0.08459	0.06778
4.88E-14	0.147994	0.00134	-0.11008	0.01733	0.147293	0.00141	0.224699	9.31E-07
0.36144	-0.0664	0.15195	-0.28879	2.02E-10	-0.15305	0.00091	0.027481	0.55359
0.00016	0.070838	0.12635	-0.34588	1.43E-14	-0.25321	2.89E-08	0.039094	0.3993
0.8064	-0.11748	0.01106	-0.36918	1.59E-16	-0.24053	1.43E-07	0.025507	0.58244
0.02306	-0.17725	0.00012	-0.45224	6.39E-25	-0.17112	0.0002	0.067152	0.14736
0.95964	-0.03267	0.48125	-0.26298	7.94E-09	-0.16249	0.00042	0.061673	0.18337
0.75641	-0.16587	0.00032	-0.32668	4.48E-13	-0.20171	1.12E-05	0.068244	0.14088
0.22171	0.121689	0.00848	-0.29733	5.49E-11	-0.12362	0.00748	0.142889	0.00196
0.51448	0.303257	2.17E-11	0.103206	0.02573	0.112864	0.01468	0.153922	0.00085

0.03123	0.129149	0.00519	-0.24335	1.01E-07	-0.16448	0.00036	0.058995	0.20317
9.69E-11	-0.36101	8.03E-16	-0.43825	2.44E-23	-0.46662	1.26E-26	-0.16107	0.00048
0.00458	0.016238	0.72635	-0.4018	1.51E-19	-0.12413	0.00724	0.058004	0.21087
0.38745	-0.03182	0.4927	-0.21546	2.62E-06	-0.16034	0.0005	0.27077	2.73E-09
0.11023	0.086617	0.06144	-0.07686	0.09714	-0.00983	0.83229	0.002525	0.95659
0.16427	0.010899	0.81428	-0.22389	1.02E-06	-0.08682	0.06084	0.336709	7.65E-14
0.19783	-0.19214	2.91E-05	-0.40582	6.09E-20	-0.27454	1.61E-09	0.002869	0.9507
0.05441	-0.04946	0.28618	-0.31716	2.26E-12	-0.2237	1.04E-06	0.274365	1.65E-09
2.40E-12	-0.08479	0.06716	-0.50168	3.89E-31	-0.38598	4.86E-18	-0.07701	0.09649
0.0063	0.219743	1.63E-06	-0.06753	0.14512	0.10025	0.0303	0.201739	1.12E-05
0.61955	-0.07457	0.10755	-0.34082	3.64E-14	-0.14239	0.00204	0.132007	0.00427
0.56837	-0.19387	2.46E-05	-0.43507	5.46E-23	-0.23928	1.67E-07	-0.01187	0.79802
4.08E-22	0.279276	8.17E-10	0.127508	0.00579	0.297128	5.66E-11	0.299537	3.89E-11
5.62E-10	0.323709	7.46E-13	0.02021	0.66311	0.217802	2.02E-06	0.026621	0.56607
0.00048	-0.03528	0.44691	-0.34973	6.99E-15	-0.25038	4.16E-08	-0.10346	0.02536
2.26E-11	0.02563	0.58063	0.031663	0.49487	0.179925	9.24E-05	0.144972	0.00168
0.00017	0.227452	6.79E-07	-0.12606	0.00638	0.046262	0.31848	-0.06521	0.15945
0.00385	0.142794	0.00198	0.057731	0.21303	0.098652	0.03306	0.138044	0.00279
0.72196	0.11217	0.0153	-0.0851	0.06615	-0.0491	0.28971	0.196842	1.83E-05
0.51174	-0.27506	1.49E-09	-0.42255	1.20E-21	-0.2897	1.76E-10	0.111685	0.01575
0.49852	-0.28273	4.95E-10	-0.40293	1.17E-19	-0.27097	2.65E-09	0.08147	0.07862
8.43E-05	-0.04812	0.29937	-0.11208	0.01539	-0.01434	0.75722	-0.01705	0.71331
0.00091	0.09385	0.04265	-0.27197	2.31E-09	-0.0081	0.86136	0.134218	0.00366
0.1532	0.073947	0.11051	-0.09053	0.05058	-0.05733	0.21623	0.265657	5.52E-09
0.30667	-0.10047	0.02994	-0.42492	6.74E-22	-0.23969	1.58E-07	0.034279	0.45991
0.00123	0.10597	0.022	-0.23166	4.15E-07	-0.00341	0.94142	0.243126	1.04E-07
0.0045	0.018755	0.68603	-0.03808	0.41168	0.023529	0.61204	-0.32081	1.22E-12
0.49349	-0.25725	1.71E-08	-0.42482	6.90E-22	-0.29511	7.73E-11	0.155386	0.00075
1.02E-08	-0.17512	0.00014	-0.44945	1.34E-24	-0.42773	3.39E-22	-0.16787	0.00027
0.00212	0.005542	0.90492	-0.27209	2.27E-09	-0.06144	0.18502	0.208953	5.27E-06
4.66E-09	0.092429	0.0459	-0.02081	0.6538	0.125071	0.00681	-0.07175	0.12152
0.00857	-0.10581	0.02221	-0.34462	1.81E-14	-0.25851	1.44E-08	-0.1069	0.02086
0.58158	-0.06383	0.16852	-0.45355	4.50E-25	-0.23476	2.88E-07	0.024215	0.6017
0.33774	-0.01322	0.77566	-0.379	2.12E-17	-0.21038	4.53E-06	0.017169	0.71135
0.13205	-0.16579	0.00032	-0.25326	2.87E-08	-0.14256	0.00201	-0.02105	0.65003
0.43333	0.202864	9.95E-06	-0.2017	1.12E-05	-0.04193	0.36591	0.075791	0.10188
1.98E-20	0.225576	8.42E-07	0.042853	0.35548	0.259871	1.20E-08	0.013997	0.7629
2.45E-17	-0.03279	0.4796	-0.08591	0.06361	0.120813	0.00897	0.215016	2.74E-06
0.15162	-0.01339	0.77295	-0.12123	0.00873	-0.05938	0.20019	0.390889	1.69E-18
0.59719	0.163923	0.00038	-0.1956	2.07E-05	-0.08913	0.05425	-0.04481	0.33398
0.00799	0.0883	0.05655	-0.22628	7.77E-07	-0.05264	0.25628	0.054894	0.23642
1.60E-06	-0.07037	0.12888	-0.23053	4.74E-07	-0.03649	0.43144	0.063516	0.17059
0.04376	0.022282	0.63103	-0.3536	3.36E-15	-0.1053	0.02287	0.125317	0.0067
1.56E-07	-0.01273	0.78385	-0.16834	0.00026	0.048146	0.29915	0.200347	1.29E-05
0.2506	-0.22547	8.53E-07	-0.4239	8.63E-22	-0.26382	7.09E-09	0.050416	0.27692

3.66E-06	0.006731	0.88465	-0.1214	0.00864	0.002469	0.95757	0.065886	0.15516
1.88E-08	0.230384	4.82E-07	0.040857	0.37836	0.193935	2.44E-05	0.343707	2.14E-14
1.28E-11	0.160516	0.0005	-0.05781	0.21237	0.181167	8.24E-05	0.383949	7.49E-18
0.00749	-0.25285	3.03E-08	-0.41278	1.22E-20	-0.32953	2.73E-13	-0.00182	0.96872
2.40E-05	-0.05171	0.26474	-0.16698	0.00029	-0.0439	0.3438	0.069254	0.13508
0.00259	0.155329	0.00076	-0.28362	4.34E-10	-0.03646	0.43183	0.056449	0.22339
0.41769	-0.1085	0.01901	-0.1106	0.0168	-0.08066	0.08164	-0.20787	5.91E-06
6.47E-07	0.092197	0.04645	-0.21319	3.35E-06	0.056086	0.22638	0.13226	0.0042
0.29704	-0.20548	7.59E-06	-0.53613	4.15E-36	-0.34123	3.38E-14	0.066845	0.14922
0.00215	0.176677	0.00012	-0.23017	4.95E-07	-0.03166	0.49488	-0.02035	0.6609
0.06124	0.1087	0.01879	-0.01386	0.76516	0.049452	0.28622	0.294101	9.02E-11
0.00015	-0.07848	0.09028	-0.36094	8.14E-16	-0.27087	2.69E-09	0.100585	0.02975
2.34E-15	0.190112	3.55E-05	-0.12631	0.00627	0.156865	0.00067	0.283569	4.37E-10
0.00517	-0.05666	0.2217	-0.40587	6.02E-20	-0.2647	6.29E-09	-0.02416	0.60259
0.70713	-0.18679	4.88E-05	-0.33074	2.21E-13	-0.23382	3.22E-07	0.031324	0.49951
0.01722	0.171651	0.00019	-0.15048	0.00111	0.033384	0.47171	0.512963	1.06E-32
4.44E-06	0.209247	5.11E-06	-0.05119	0.26956	0.104218	0.0243	0.041282	0.37341
0.00051	-0.10807	0.01949	-0.27798	9.84E-10	-0.13561	0.00332	0.20341	9.41E-06
0.07656	0.140494	0.00234	-0.0459	0.32232	0.036899	0.4263	0.051677	0.26506
0.08381	0.029779	0.5209	-0.32676	4.42E-13	-0.11267	0.01485	0.19833	1.58E-05
0.26975	0.157468	0.00064	-0.27098	2.65E-09	-0.13858	0.00269	0.071712	0.12173
0.20896	-0.05311	0.25206	-0.41166	1.59E-20	-0.22392	1.02E-06	-0.08727	0.05949
8.94E-06	0.007403	0.87323	-0.31215	5.17E-12	-0.05321	0.25109	0.210173	4.63E-06
5.68E-14	0.174885	0.00015	0.045883	0.32247	0.204013	8.84E-06	0.167872	0.00027
0.00544	0.000634	0.9891	-0.22935	5.44E-07	-0.10639	0.02148	0.022661	0.62522
8.63E-10	-0.43922	1.90E-23	-0.56088	4.74E-40	-0.50629	9.06E-32	-0.15363	0.00087
0.92024	0.167369	0.00028	-0.20297	9.84E-06	-0.08939	0.05356	0.280501	6.84E-10
1.90E-07	-0.15934	0.00055	-0.43041	1.75E-22	-0.35205	4.51E-15	0.187593	4.52E-05
3.37E-11	0.142144	0.00208	-0.14577	0.00159	0.122838	0.00787	0.24763	5.91E-08
0.76283	-0.22052	1.49E-06	-0.33841	5.63E-14	-0.2416	1.25E-07	-0.1051	0.02312
0.00095	0.006769	0.88401	-0.34151	3.21E-14	-0.10562	0.02245	0.278212	9.52E-10
0.12276	-0.05223	0.26001	-0.28245	5.15E-10	-0.14592	0.00157	0.133491	0.00385
0.93759	-0.14929	0.00121	-0.29003	1.67E-10	-0.21019	4.62E-06	-0.21046	4.49E-06
0.00022	-0.17751	0.00012	-0.38164	1.22E-17	-0.15531	0.00076	0.165651	0.00032
0.05154	-0.11414	0.01359	-0.33968	4.48E-14	-0.13464	0.00355	0.128464	0.00543
4.62E-05	-0.19651	1.89E-05	-0.31061	6.66E-12	-0.11089	0.01652	0.283045	4.72E-10
2.60E-07	0.273864	1.77E-09	-0.06505	0.16049	0.142206	0.00207	0.170479	0.00021
5.26E-06	0.042017	0.36496	-0.25911	1.33E-08	0.00321	0.94485	0.009102	0.84447
4.21E-06	-0.09873	0.03292	-0.30331	2.15E-11	-0.05732	0.21634	0.087348	0.05927
0.00015	0.179945	9.22E-05	-0.20392	8.93E-06	0.04582	0.32314	0.004759	0.91831
2.19E-40	0.406742	4.93E-20	0.141985	0.0021	0.398345	3.28E-19	0.208424	5.57E-06
0.73616	-0.35163	4.88E-15	-0.33817	5.88E-14	-0.2661	5.20E-09	-0.05246	0.25788
0.00611	0.01274	0.78363	-0.35112	5.38E-15	-0.19186	3.00E-05	0.124417	0.0071
0.1561	-0.23235	3.83E-07	-0.58359	5.69E-44	-0.3751	4.76E-17	0.131816	0.00433
0.18249	-0.14409	0.0018	-0.38386	7.63E-18	-0.19615	1.96E-05	0.016568	0.72101

0.12197	-0.09991	0.03087	-0.29663	6.12E-11	-0.12707	0.00596	0.090778	0.04994
6.22E-12	0.318319	1.86E-12	-0.00837	0.85678	0.231927	4.02E-07	0.297833	5.08E-11
2.62E-24	0.177854	0.00011	0.045407	0.32752	0.301291	2.96E-11	0.076368	0.09929
0.05225	-0.05114	0.27007	-0.35585	2.18E-15	-0.13168	0.00437	0.061172	0.18696
0.00049	0.051567	0.26609	-0.21421	3.00E-06	-0.0337	0.46757	-0.00918	0.84313
0.33868	-0.14899	0.00124	-0.39948	2.55E-19	-0.21672	2.28E-06	0.005968	0.89765
4.14E-05	0.128894	0.00528	-0.21249	3.61E-06	0.013462	0.77169	0.00875	0.85043
4.28E-09	-0.15149	0.00102	-0.52627	1.26E-34	-0.41867	3.04E-21	-0.20934	5.06E-06
3.28E-09	0.401132	1.76E-19	0.446678	2.77E-24	0.4094	2.68E-20	0.358789	1.24E-15
0.08754	0.025272	0.58592	-0.24442	8.84E-08	-0.12744	0.00582	0.265246	5.84E-09
0.60414	-0.24885	5.06E-08	-0.53542	5.32E-36	-0.31962	1.49E-12	0.04721	0.30866
4.87E-06	-0.17489	0.00015	-0.63502	4.33E-54	-0.45247	6.00E-25	-0.15466	0.0008
0.01356	-0.01794	0.69891	-0.30973	7.68E-12	-0.23928	1.66E-07	-0.17267	0.00018
2.72E-08	-0.15418	0.00083	-0.33605	8.60E-14	-0.06967	0.13272	0.129864	0.00494
0.03498	-0.24278	1.08E-07	-0.23238	3.81E-07	-0.25349	2.79E-08	-0.12672	0.0061
0.25589	-0.29294	1.08E-10	-0.3939	8.77E-19	-0.29607	6.67E-11	-0.14483	0.0017
0.00528	-0.32946	2.76E-13	-0.35792	1.47E-15	-0.18724	4.67E-05	-0.06182	0.18233
0.35788	-0.013	0.77931	-0.38253	1.01E-17	-0.16771	0.00027	0.13491	0.00349
0.05426	-0.30951	7.95E-12	-0.60415	8.51E-48	-0.40675	4.92E-20	-0.01496	0.74715
3.94E-09	-0.06336	0.17162	-0.16789	0.00027	0.039863	0.39007	0.15318	0.0009
0.31924	-0.04741	0.30657	-0.35913	1.16E-15	-0.21805	1.97E-06	-0.13347	0.00386
0.01013	-0.09523	0.03968	-0.32223	9.61E-13	-0.25589	2.04E-08	-0.09554	0.03903
0.53254	-0.13951	0.00251	-0.4456	3.68E-24	-0.21285	3.47E-06	0.044209	0.34045
0.1439	-0.21951	1.67E-06	-0.36679	2.56E-16	-0.19612	1.97E-05	-0.04781	0.30251
4.52E-22	0.388662	2.74E-18	0.157935	0.00061	0.409358	2.70E-20	0.272074	2.27E-09
0.19828	0.014814	0.74951	-0.35567	2.26E-15	-0.22506	8.94E-07	-0.08095	0.08053
0.08609	-0.19506	2.19E-05	-0.09005	0.05181	-0.08512	0.06607	-0.15868	0.00058
2.53E-05	-0.11599	0.01213	-0.48732	3.17E-29	-0.35148	5.02E-15	0.307409	1.12E-11
2.92E-09	0.213305	3.31E-06	0.07279	0.11621	0.226288	7.76E-07	0.045977	0.32148
0.12843	-0.0364	0.43255	-0.29957	3.88E-11	-0.12843	0.00545	0.090586	0.05042
0.00503	0.292123	1.22E-10	-0.09352	0.04338	0.115815	0.01226	0.027818	0.54874
0.0002	0.160469	0.0005	-0.19623	1.95E-05	0.038249	0.40957	0.205373	7.68E-06
0.86509	-0.12457	0.00703	-0.32256	9.09E-13	-0.21336	3.29E-06	0.105518	0.02258
0.07626	-0.00302	0.94811	-0.16934	0.00024	-0.08912	0.05428	0.025787	0.5783
0.0102	-0.33308	1.46E-13	-0.27564	1.37E-09	-0.267	4.59E-09	-0.07217	0.11937
0.95216	0.017506	0.70593	-0.10739	0.02028	-0.07786	0.09284	-0.08147	0.0786
0.00033	0.102923	0.02614	-0.02804	0.54557	0.049016	0.29049	0.228593	5.95E-07
0.60925	0.144005	0.00181	-0.18003	9.15E-05	-0.0728	0.11618	-0.1366	0.0031
0.03695	-0.07251	0.1176	-0.3002	3.51E-11	-0.13155	0.00441	0.262338	8.66E-09
4.06E-10	0.158429	0.00059	0.063406	0.17134	0.148269	0.00131	0.138534	0.0027
0.94365	0.17178	0.00019	-0.10403	0.02456	-0.04455	0.33675	0.451167	8.50E-25
6.29E-05	0.037292	0.4214	-0.26042	1.12E-08	-0.04639	0.31718	0.095474	0.03917
0.00011	-0.15258	0.00094	-0.47595	8.94E-28	-0.34643	1.29E-14	0.061422	0.18516
0.001	-0.05121	0.26938	-0.15363	0.00087	-0.17075	0.00021	0.441853	9.71E-24
0.61197	-0.1297	0.005	-0.19531	2.13E-05	-0.15258	0.00094	-0.04071	0.38003

2.19E-12	0.140484	0.00234	-0.00556	0.90467	0.1752	0.00014	0.231842	4.06E-07
0.00316	-0.18123	8.20E-05	-0.3324	1.65E-13	-0.15501	0.00078	0.069753	0.13228
4.21E-19	0.265561	5.60E-09	-0.01426	0.75854	0.288804	2.01E-10	0.40366	9.96E-20
0.00065	-0.44983	1.21E-24	-0.49229	7.07E-30	-0.40485	7.60E-20	-0.25902	1.35E-08
2.48E-11	0.227499	6.75E-07	-0.00095	0.98362	0.197374	1.74E-05	0.234562	2.94E-07
4.56E-20	0.310851	6.40E-12	0.119729	0.0096	0.287092	2.60E-10	0.325432	5.55E-13
0.72754	-0.06826	0.14079	-0.39692	4.50E-19	-0.20542	7.64E-06	0.091318	0.04858
1.85E-15	0.30231	2.52E-11	0.150215	0.00113	0.310142	7.18E-12	0.300872	3.16E-11
0.10865	-0.17618	0.00013	-0.39107	1.63E-18	-0.28376	4.25E-10	0.190842	3.31E-05
0.01139	-0.09666	0.03679	-0.22083	1.44E-06	-0.07584	0.10164	0.197195	1.77E-05
5.11E-09	0.102211	0.0272	-0.10299	0.02604	0.059909	0.19624	0.045798	0.32337
0.00448	-0.17136	0.0002	-0.3495	7.30E-15	-0.30878	8.96E-12	-0.19365	2.51E-05
0.133	-0.02786	0.54811	-0.15374	0.00086	-0.09736	0.03543	0.06164	0.1836
2.21E-05	-0.15861	0.00058	-0.51731	2.54E-33	-0.38153	1.25E-17	-0.02315	0.61772
3.19E-11	0.101975	0.02756	-0.15413	0.00083	0.048801	0.29261	0.115895	0.0122
0.48137	-0.06873	0.13806	-0.37902	2.11E-17	-0.21754	2.08E-06	-0.08634	0.06228
0.02055	0.377326	3.00E-17	0.52074	8.12E-34	0.38286	9.44E-18	-0.17828	0.00011
0.64147	-0.20427	8.60E-06	-0.3969	4.53E-19	-0.25769	1.61E-08	0.074079	0.10987
5.47E-06	0.181339	8.11E-05	-0.00193	0.96684	0.130577	0.00471	0.300759	3.22E-11
3.03E-10	0.300174	3.53E-11	-0.07086	0.12621	0.180872	8.47E-05	-0.0259	0.57667
2.29E-05	-0.0998	0.03106	-0.19611	1.97E-05	-0.05836	0.20808	0.228787	5.81E-07
2.29E-05	-0.24047	1.44E-07	-0.50369	2.07E-31	-0.37554	4.34E-17	-0.19493	2.22E-05
1.27E-07	0.259701	1.23E-08	0.498595	1.02E-30	0.359739	1.03E-15	-0.0722	0.1192
0.00264	0.261698	9.44E-09	-0.14569	0.0016	0.055002	0.2355	0.071872	0.1209
7.85E-06	0.157469	0.00064	-0.21014	4.64E-06	0.019439	0.67522	0.139252	0.00256
0.00034	0.252692	3.09E-08	-0.19039	3.45E-05	0.018889	0.6839	-0.06209	0.18042
0.66057	-0.0494	0.28675	-0.33354	1.35E-13	-0.14801	0.00134	0.110961	0.01645
0.59615	0.286665	2.77E-10	-0.18404	6.31E-05	-0.05521	0.23375	0.163532	0.00039
0.00033	-0.10143	0.02841	-0.39475	7.28E-19	-0.34247	2.69E-14	-0.15044	0.00111
2.06E-25	0.283079	4.70E-10	0.094111	0.04207	0.36486	3.76E-16	0.215893	2.49E-06
0.06707	-0.42214	1.32E-21	-0.44718	2.43E-24	-0.35993	9.91E-16	-0.09997	0.03077
0.01312	0.04941	0.28663	-0.26702	4.58E-09	-0.0325	0.48358	0.162724	0.00041
0.97016	0.020993	0.65091	-0.42127	1.63E-21	-0.20142	1.15E-05	0.007757	0.86723
1.56E-08	-0.18753	4.54E-05	-0.57577	1.38E-42	-0.42142	1.57E-21	-0.20515	7.85E-06
5.59E-08	0.175312	0.00014	-0.1007	0.02956	0.126756	0.00609	-0.02024	0.6627
0.13196	-0.16132	0.00047	-0.36296	5.47E-16	-0.1796	9.52E-05	0.189048	3.93E-05
3.74E-12	-0.09223	0.04638	-0.20448	8.42E-06	0.004574	0.92146	0.143357	0.0019
0.99101	0.076874	0.09706	-0.38594	4.91E-18	-0.17656	0.00013	0.020575	0.65742
0.13703	-0.23912	1.70E-07	-0.45928	9.56E-26	-0.25719	1.72E-08	0.061378	0.18548
0.04731	-0.04796	0.30098	-0.19964	1.38E-05	-0.07752	0.09429	-0.06064	0.19085
4.06E-05	0.222184	1.24E-06	0.003585	0.9384	0.152843	0.00092	-0.00029	0.99506
0.15432	0.03153	0.49668	-0.29879	4.38E-11	-0.0964	0.0373	0.129895	0.00493
0.00045	-0.06949	0.13376	-0.23624	2.41E-07	-0.0476	0.30466	0.129931	0.00492
2.64E-15	0.248464	5.31E-08	-0.11517	0.01276	0.185506	5.50E-05	0.259384	1.29E-08
0.00227	0.081166	0.07974	-0.27442	1.63E-09	-0.045	0.33186	0.421523	1.53E-21

1.12E-12	0.203565	9.26E-06	-0.01545	0.7391	0.185573	5.47E-05	0.1526	0.00094
0.10473	-0.28976	1.74E-10	-0.24325	1.02E-07	-0.19166	3.05E-05	-0.00857	0.8535
1.86E-23	0.33949	4.63E-14	0.079282	0.08701	0.312046	5.26E-12	0.163612	0.00039
0.28601	0.064005	0.16732	-0.3278	3.69E-13	-0.1238	0.0074	0.095494	0.03913
0.00346	-0.0214	0.64463	-0.45094	9.02E-25	-0.28071	6.64E-10	-0.00303	0.94796
7.56E-08	-0.12263	0.00798	-0.25647	1.89E-08	-0.23822	1.89E-07	-0.07237	0.11832
2.77E-10	-0.3441	1.99E-14	-0.39273	1.13E-18	-0.36681	2.55E-16	-0.26433	6.62E-09
9.76E-05	-0.03883	0.40247	-0.32487	6.11E-13	-0.20741	6.20E-06	-0.23782	1.99E-07
0.00241	-0.05056	0.27557	-0.23113	4.42E-07	-0.15215	0.00097	-0.38729	3.68E-18
5.24E-09	-0.22936	5.44E-07	-0.39309	1.05E-18	-0.32351	7.73E-13	-0.39301	1.07E-18
8.17E-24	-0.32306	8.34E-13	-0.56651	5.40E-41	-0.52967	3.93E-35	-0.33119	2.04E-13
0.55304	0.121079	0.00881	-0.03866	0.4046	0.047859	0.30204	-0.22423	9.82E-07
0.00068	-0.16984	0.00023	-0.18558	5.46E-05	-0.19421	2.38E-05	-0.21985	1.61E-06
0.00096	0.037247	0.42196	-0.16707	0.00029	-0.08473	0.06735	-0.30939	8.11E-12
1.59E-23	-0.18308	6.91E-05	-0.49054	1.20E-29	-0.4409	1.24E-23	-0.36865	1.77E-16
4.73E-05	-0.18853	4.13E-05	-0.31102	6.23E-12	-0.25807	1.53E-08	-0.2659	5.34E-09
1.03E-05	-0.1733	0.00017	-0.21001	4.71E-06	-0.23018	4.94E-07	-0.00877	0.85009
1.28E-22	-0.11909	0.01	-0.4588	1.09E-25	-0.40298	1.16E-19	-0.38306	9.05E-18
0.08738	0.075164	0.10475	-0.23213	3.93E-07	-0.08192	0.07697	-0.12236	0.00812
2.18E-07	-0.03233	0.48588	-0.34393	2.06E-14	-0.25082	3.93E-08	-0.26667	4.81E-09
2.35E-12	-0.12223	0.00819	-0.41412	8.90E-21	-0.3302	2.43E-13	-0.25387	2.65E-08
3.99E-05	-0.31181	5.47E-12	-0.39298	1.07E-18	-0.30865	9.15E-12	-0.08419	0.0691
0.32392	-0.15565	0.00074	-0.31652	2.51E-12	-0.16641	0.0003	-0.10776	0.01985
6.76E-11	-0.15081	0.00108	-0.36713	2.39E-16	-0.29844	4.62E-11	-0.3435	2.23E-14
6.64E-12	-0.17189	0.00019	-0.34471	1.78E-14	-0.33486	1.06E-13	-0.21171	3.93E-06
0.02296	0.00116	0.98005	-0.22938	5.43E-07	-0.11753	0.01103	-0.31217	5.16E-12
0.244	0.08389	0.07011	-0.21365	3.18E-06	-0.06846	0.13961	-0.33233	1.67E-13
3.21E-17	-0.24089	1.37E-07	-0.49898	9.05E-31	-0.43283	9.59E-23	-0.42279	1.13E-21
1.79E-07	-0.17857	0.0001	-0.25376	2.69E-08	-0.2631	7.81E-09	-0.1345	0.00359
1.46E-08	-0.03144	0.49787	-0.22743	6.80E-07	-0.19231	2.87E-05	0.022823	0.62275
9.34E-11	-0.17527	0.00014	-0.3334	1.38E-13	-0.29281	1.10E-10	-0.37007	1.32E-16
2.14E-09	0.056413	0.22369	-0.19942	1.41E-05	-0.15468	0.0008	-0.12445	0.00709
1.38E-14	-0.18234	7.40E-05	-0.30218	2.57E-11	-0.32357	7.64E-13	-0.2471	6.32E-08
6.17E-13	-0.23721	2.14E-07	-0.40247	1.30E-19	-0.36927	1.56E-16	-0.27719	1.10E-09
1.96E-26	-0.33432	1.17E-13	-0.48057	2.33E-28	-0.50896	3.85E-32	-0.39832	3.31E-19
6.80E-26	-0.25638	1.91E-08	-0.5488	4.37E-38	-0.48534	5.72E-29	-0.5731	4.02E-42
4.16E-07	-0.27356	1.85E-09	-0.46593	1.53E-26	-0.37292	7.43E-17	-0.23415	3.09E-07
0.00069	-0.04877	0.29292	-0.34819	9.33E-15	-0.20575	7.38E-06	0.0532	0.25122
1.04E-07	-0.1039	0.02475	-0.23594	2.50E-07	-0.21956	1.66E-06	-0.19735	1.74E-05
3.64E-19	-0.2437	9.66E-08	-0.37212	8.74E-17	-0.39095	1.67E-18	-0.213	3.42E-06
0.00047	0.106943	0.02081	-0.18186	7.73E-05	-0.09508	0.03998	-0.22128	1.37E-06
4.09E-08	-0.04754	0.30526	-0.29114	1.42E-10	-0.2361	2.45E-07	-0.08229	0.07565
0.78466	0.091998	0.04692	-0.1515	0.00102	-0.02639	0.56951	-0.02416	0.60258
7.05E-24	-0.18475	5.91E-05	-0.38136	1.29E-17	-0.40199	1.45E-19	-0.25262	3.12E-08
0.00278	0.198983	1.48E-05	0.065022	0.16066	0.172133	0.00019	0.228544	5.98E-07

0.7758	0.06755	0.14497	-0.24287	1.07E-07	-0.09659	0.03692	-0.06772	0.14396
5.29E-10	-0.01682	0.71697	-0.29428	8.78E-11	-0.23902	1.72E-07	-0.20075	1.24E-05
5.33E-08	0.00398	0.93164	-0.1807	8.60E-05	-0.18509	5.72E-05	-0.23893	1.74E-07
0.01326	-0.09122	0.04883	-0.22047	1.50E-06	-0.15449	0.00081	-0.29195	1.25E-10
2.11E-17	-0.19393	2.45E-05	-0.55144	1.66E-38	-0.44232	8.61E-24	-0.33882	5.23E-14
3.76E-05	-0.19502	2.20E-05	-0.47062	4.09E-27	-0.3286	3.21E-13	-0.21091	4.28E-06
0.26724	-0.05253	0.25721	-0.07405	0.11	-0.07312	0.11455	-0.00153	0.97367
3.23E-05	0.053217	0.25107	-0.23386	3.20E-07	-0.14137	0.0022	-0.22343	1.08E-06
0.00161	-0.09994	0.03082	-0.12994	0.00492	-0.14909	0.00123	-0.15223	0.00097
6.52E-12	-0.06042	0.19244	-0.3247	6.30E-13	-0.26247	8.51E-09	-0.15304	0.00091
0.62136	0.060325	0.19315	0.018562	0.68909	0.051721	0.26465	-0.33568	9.20E-14
0.02397	-0.13187	0.00431	-0.28271	4.96E-10	-0.19299	2.68E-05	-0.02089	0.65246
3.15E-16	-0.11546	0.01253	-0.48669	3.82E-29	-0.37003	1.34E-16	-0.33237	1.66E-13
1.63E-09	-0.07427	0.10896	-0.3136	4.07E-12	-0.25474	2.37E-08	-0.09094	0.04952
4.29E-26	-0.20954	4.95E-06	-0.44957	1.30E-24	-0.43194	1.20E-22	-0.17655	0.00013
0.1655	-0.32259	9.03E-13	-0.35173	4.79E-15	-0.25538	2.18E-08	-0.16744	0.00028
4.17E-13	-0.18453	6.03E-05	-0.37131	1.03E-16	-0.31526	3.10E-12	-0.33472	1.09E-13
1.62E-09	-0.11051	0.01689	-0.24505	8.17E-08	-0.22312	1.12E-06	-0.23862	1.80E-07
0.00021	0.148099	0.00133	-0.21001	4.71E-06	-0.10195	0.02759	-0.11756	0.01101
9.30E-06	-0.03163	0.49532	-0.2316	4.18E-07	-0.17917	9.90E-05	-0.07087	0.1262
2.63E-06	-0.14836	0.0013	-0.33162	1.89E-13	-0.28566	3.21E-10	-0.12244	0.00808
1.21E-07	-0.09971	0.03122	-0.33037	2.36E-13	-0.26248	8.50E-09	-0.57434	2.45E-42
0.00044	0.058694	0.20548	-0.16173	0.00045	-0.11979	0.00957	-0.01337	0.77329
3.24E-20	-0.25756	1.64E-08	-0.56679	4.83E-41	-0.48632	4.27E-29	-0.33056	2.28E-13
1.18E-11	-0.15869	0.00058	-0.40112	1.76E-19	-0.34873	8.43E-15	-0.38003	1.71E-17
0.58335	-0.06887	0.13724	0.015572	0.73715	0.030562	0.51	-0.25566	2.10E-08
2.59E-06	-0.01631	0.7252	-0.33089	2.15E-13	-0.2284	6.08E-07	0.004706	0.91921
2.87E-09	-0.19248	2.82E-05	-0.33478	1.08E-13	-0.28248	5.13E-10	-0.11843	0.01042
1.31E-20	-0.30087	3.16E-11	-0.54088	7.70E-37	-0.50471	1.50E-31	-0.37688	3.30E-17
1.51E-07	-0.00946	0.83852	-0.23225	3.87E-07	-0.18786	4.40E-05	-0.06654	0.15107
2.39E-15	-0.28073	6.62E-10	-0.43494	5.65E-23	-0.42006	2.18E-21	-0.13413	0.00368
6.64E-07	-0.08044	0.08248	-0.36417	4.31E-16	-0.26706	4.56E-09	-0.24524	7.97E-08
0.18302	0.240247	1.48E-07	0.037522	0.41853	0.071158	0.12465	-0.15505	0.00077
2.96E-05	0.173514	0.00016	0.22201	1.26E-06	0.213985	3.07E-06	-0.01335	0.77359
1.06E-09	0.125632	0.00656	0.090271	0.05123	0.199822	1.36E-05	0.375147	4.71E-17
0.22637	-0.00062	0.98931	0.081166	0.07974	0.004013	0.93107	-0.0146	0.753
0.69117	0.013863	0.76509	0.074624	0.10728	0.032129	0.48854	-0.012	0.79587
0.00608	0.07186	0.12096	0.188816	4.02E-05	0.04497	0.3322	-0.15588	0.00072
0.03301	-0.09366	0.04308	0.049189	0.28879	0.039416	0.39542	-0.03704	0.42449
0.11872	-0.08384	0.07028	-0.1472	0.00142	-0.07786	0.09285	0.208546	5.50E-06
0.01407	0.036471	0.4317	-0.15554	0.00074	-0.12192	0.00835	0.139216	0.00257
0.00186	0.140003	0.00243	0.072964	0.11534	-0.00504	0.91349	-0.10787	0.01972
0.01974	0.326572	4.56E-13	0.256786	1.81E-08	0.240372	1.46E-07	0.190814	3.31E-05
0.00015	0.198374	1.57E-05	0.476191	8.33E-28	0.336627	7.76E-14	0.010818	0.81565
0.73113	0.08208	0.07639	0.154652	0.0008	0.095345	0.03944	-0.04092	0.37758

0.64361	-0.03279	0.47962	0.068844	0.13741	0.007206	0.87659	-0.08244	0.07512
2.18E-10	0.173933	0.00016	0.335505	9.49E-14	0.348365	9.03E-15	-0.02281	0.62295
1.05E-09	0.136555	0.00311	0.351676	4.84E-15	0.323148	8.22E-13	0.072019	0.12014
2.25E-16	0.297649	5.23E-11	0.313672	4.03E-12	0.359152	1.15E-15	-0.05387	0.24526
0.14608	-0.02094	0.65166	0.079848	0.08477	-0.00362	0.93774	-0.04778	0.30289
0.00594	0.080212	0.08335	0.246881	6.49E-08	0.19911	1.46E-05	-0.08228	0.07569
0.01231	0.044493	0.33736	0.081829	0.0773	0.000459	0.99211	0.07472	0.10682
0.86876	-0.02838	0.54065	0.160682	0.00049	0.053749	0.24636	0.254237	2.53E-08
0.33994	0.118962	0.01008	-0.0785	0.09019	0.010813	0.81573	-0.05064	0.27482
0.10665	0.069832	0.13184	0.27058	2.80E-09	0.164383	0.00036	-0.07049	0.12823
0.00184	0.037575	0.41787	0.125608	0.00657	0.011968	0.79645	-0.18122	8.21E-05
0.00033	0.016684	0.71914	0.093263	0.04396	-0.01013	0.82715	-0.30859	9.23E-12
0.1505	0.17796	0.00011	0.263212	7.70E-09	0.210309	4.56E-06	-0.08923	0.05399
0.01556	0.199395	1.42E-05	0.182119	7.55E-05	0.207877	5.90E-06	0.00216	0.96288
0.00335	0.177738	0.00011	0.099981	0.03075	0.18092	8.43E-05	0.050939	0.27196
4.94E-05	0.003489	0.94006	0.263549	7.35E-09	0.222971	1.13E-06	0.037204	0.42249
0.02444	-0.03856	0.40573	-0.12464	0.007	-0.09363	0.04313	0.315445	3.00E-12
0.03576	-0.0162	0.72694	-0.12573	0.00652	-0.06019	0.19417	0.11742	0.0111
0.11338	-0.10021	0.03037	-0.1179	0.01078	-0.10295	0.0261	-0.03865	0.40472
4.60E-18	0.159154	0.00056	0.366161	2.90E-16	0.387654	3.40E-18	0.375416	4.45E-17
0.00025	-0.08855	0.05585	0.035786	0.4404	0.065644	0.15669	0.105651	0.02241
0.00638	0.080086	0.08384	0.192803	2.73E-05	0.083657	0.07089	-0.04241	0.36048
1.44E-10	0.173913	0.00016	0.243833	9.51E-08	0.263802	7.11E-09	0.211667	3.94E-06
1.17E-05	-0.05173	0.26459	-0.05302	0.2528	-0.11117	0.01625	0.059883	0.19644
0.0001	0.357636	1.55E-15	0.508168	4.97E-32	0.394096	8.40E-19	0.159576	0.00054
0.49273	0.106696	0.0211	0.122964	0.00781	0.08138	0.07894	-0.18928	3.84E-05
0.03899	0.080209	0.08337	0.137331	0.00294	0.108833	0.01864	0.056275	0.22482
2.60E-05	-0.1026	0.02662	-0.06597	0.15465	-0.1316	0.00439	-0.11677	0.01156
2.99E-06	0.127309	0.00587	0.281048	6.32E-10	0.250328	4.19E-08	0.060037	0.19529
0.01693	0.2033	9.52E-06	0.286212	2.96E-10	0.21086	4.30E-06	-0.03334	0.47232
0.19978	0.161367	0.00046	0.237602	2.04E-07	0.16652	0.0003	-0.0573	0.21645
0.16984	0.101416	0.02842	0.073357	0.11339	0.030295	0.5137	-0.05399	0.24427
0.90041	0.106586	0.02124	0.145993	0.00156	0.092676	0.04532	-0.02248	0.62804
0.42457	-0.03272	0.48055	0.094949	0.04027	0.050807	0.27321	0.006506	0.88848
0.16186	-0.04344	0.34892	0.149075	0.00123	0.089283	0.05384	-0.05634	0.22432
0.03792	0.211997	3.81E-06	0.149414	0.0012	0.1875	4.56E-05	0.034995	0.45057
0.22775	0.029394	0.52632	-0.04251	0.35932	-0.03978	0.39111	0.007022	0.87971
9.94E-05	0.049105	0.28961	-0.14434	0.00176	-0.13078	0.00464	-0.01424	0.75887
0.00102	-0.0693	0.13483	-0.18	9.17E-05	-0.17606	0.00013	0.08305	0.07297
0.70205	0.143738	0.00185	0.105057	0.02318	0.098862	0.03268	0.034072	0.46262
0.02526	0.088648	0.05558	0.032397	0.48492	0.081161	0.07976	0.021097	0.6493
0.57636	-0.15608	0.00071	-0.02051	0.65845	-0.0414	0.37206	-0.0662	0.15321
0.14841	-0.03241	0.48475	-0.02731	0.55608	-0.02316	0.61756	-0.04749	0.30583
0.14782	0.17967	9.46E-05	0.186469	5.03E-05	0.158868	0.00057	-0.02765	0.55116
0.02715	-0.04944	0.28631	-0.0477	0.30364	-0.06924	0.13516	-0.17483	0.00015



0.69829	-0.1875	4.56E-05	-0.05972	0.19766	-0.05494	0.236	-0.2357	2.57E-07
0.2697	0.131765	0.00434	0.281981	5.52E-10	0.156314	0.0007	-0.04952	0.28559
0.00024	0.189376	3.81E-05	0.309069	8.55E-12	0.282672	4.99E-10	-0.06245	0.1779
0.3493	0.178656	0.0001	0.070696	0.12712	0.087442	0.059	0.210205	4.61E-06
0.64474	0.098399	0.03351	-0.00408	0.93001	0.00784	0.86582	0.190762	3.33E-05
0.75691	0.155304	0.00076	0.12416	0.00722	0.094885	0.0404	-0.00578	0.90086
0.05045	0.33922	4.86E-14	0.185475	5.52E-05	0.21895	1.78E-06	-0.12171	0.00847
0.93617	0.064465	0.16428	0.091385	0.04842	0.047339	0.30733	-0.07822	0.09135
0.2295	-0.08039	0.08266	-0.14958	0.00119	-0.10788	0.01971	0.200171	1.31E-05
0.00026	0.095174	0.03979	-0.07626	0.09977	-0.08427	0.06884	-0.18037	8.87E-05
0.12103	-0.07135	0.12364	0.014633	0.75247	-0.05285	0.25433	-0.06703	0.14807
0.42953	0.111287	0.01613	0.193005	2.68E-05	0.110455	0.01695	0.020315	0.66147
0.02585	0.223525	1.06E-06	0.188576	4.11E-05	0.207485	6.15E-06	0.016021	0.72986
0.13203	-0.11275	0.01478	-0.19231	2.87E-05	-0.1283	0.00549	0.048447	0.29614
0.08226	0.02533	0.58506	-0.16636	0.00031	-0.09296	0.04465	-0.03897	0.40078
0.15572	-0.05863	0.20595	-0.04915	0.28921	-0.07243	0.11803	0.108012	0.01956
0.78268	-0.02781	0.54879	0.116587	0.01169	0.055222	0.23363	0.028425	0.54004
0.0922	0.203941	8.91E-06	0.333235	1.42E-13	0.23431	3.03E-07	-0.06011	0.19474
0.12383	0.174682	0.00015	0.04135	0.37262	0.085761	0.06406	0.316761	2.41E-12
1.81E-17	0.342057	2.90E-14	0.349989	6.66E-15	0.400725	1.93E-19	0.282319	5.25E-10
3.30E-12	0.333473	1.36E-13	0.279987	7.37E-10	0.338899	5.15E-14	0.238349	1.87E-07
3.47E-07	0.022724	0.62427	0.044024	0.34248	0.096377	0.03734	0.443691	6.04E-24
0.8775	0.164991	0.00034	0.085425	0.06511	0.088489	0.05602	-0.05216	0.26058
0.07716	0.276703	1.18E-09	0.222319	1.22E-06	0.209679	4.88E-06	-0.11947	0.00976
0.00109	0.261783	9.33E-09	0.208002	5.83E-06	0.272644	2.10E-09	0.115352	0.01262
0.0057	0.104695	0.02366	-0.0083	0.85811	-0.01724	0.71023	-0.20711	6.40E-06
0.05514	0.151213	0.00105	0.105563	0.02252	0.151761	0.001	0.1063	0.02159
5.39E-12	0.374724	5.13E-17	0.402507	1.29E-19	0.434878	5.73E-23	0.2202	1.55E-06
0.96271	-0.08249	0.07492	0.03982	0.39059	0.002685	0.95386	-0.05779	0.21254
0.08572	0.104756	0.02358	0.233399	3.38E-07	0.178865	0.0001	-0.0468	0.3129
0.11183	0.351062	5.44E-15	0.171421	0.0002	0.193683	2.51E-05	0.280706	6.64E-10
3.05E-12	-0.13842	0.00272	-0.30069	3.25E-11	-0.31859	1.78E-12	-0.13871	0.00266
0.65935	0.09823	0.03382	0.160094	0.00052	0.115831	0.01225	0.018451	0.69086
0.27598	0.142757	0.00198	0.270826	2.71E-09	0.188592	4.11E-05	-0.03312	0.47526
0.79087	0.094923	0.04032	0.207946	5.86E-06	0.121985	0.00832	-0.07578	0.10192
0.05359	-0.05278	0.25501	-0.01738	0.7079	-0.04602	0.32098	0.007965	0.86369
0.76002	0.040501	0.38252	0.044856	0.33343	0.025075	0.58885	-0.13571	0.0033
0.003	0.282969	4.77E-10	0.184586	6.00E-05	0.233659	3.28E-07	0.014453	0.75541
0.41433	0.079952	0.08436	0.039539	0.39394	0.017384	0.7079	0.177987	0.00011
3.17E-08	0.336012	8.66E-14	0.268541	3.72E-09	0.322099	9.82E-13	0.217637	2.06E-06
0.293	0.089748	0.0526	0.200671	1.25E-05	0.080112	0.08374	-0.35504	2.55E-15
0.1426	0.039283	0.39701	0.00211	0.96372	0.000172	0.99703	-0.38567	5.20E-18
0.23222	-0.00385	0.93381	-0.13279	0.00404	-0.0789	0.08853	0.091841	0.0473
0.00013	0.116133	0.01202	0.374212	5.70E-17	0.284859	3.62E-10	-0.06482	0.16197
0.00028	0.290504	1.56E-10	0.344181	1.96E-14	0.295684	7.08E-11	0.049293	0.28778

0.78406	0.058753	0.20503	0.079573	0.08585	0.059087	0.20246	-0.11166	0.01578
0.1741	-0.02402	0.60468	-0.16193	0.00044	-0.12664	0.00614	-0.32044	1.30E-12
0.00552	0.043843	0.34447	0.224817	9.19E-07	0.173813	0.00016	0.167881	0.00027
0.60264	0.141386	0.00219	0.124215	0.0072	0.114468	0.01332	0.010583	0.81957
0.00547	0.272678	2.09E-09	0.141638	0.00215	0.186403	5.06E-05	0.392472	1.20E-18
0.01835	0.105224	0.02296	0.028881	0.53356	0.092663	0.04535	0.22669	7.41E-07
0.31681	0.232012	3.98E-07	0.120237	0.0093	0.16449	0.00036	0.099634	0.03134
0.31369	0.042561	0.35878	0.076941	0.09677	0.029001	0.53186	0.028388	0.54057
0.04497	0.057426	0.21546	0.05197	0.26236	0.081619	0.07807	0.037752	0.41568
7.35E-07	0.208936	5.28E-06	0.225195	8.80E-07	0.262335	8.66E-09	0.031613	0.49556
0.09388	0.159026	0.00056	0.128256	0.00551	0.086653	0.06133	0.224881	9.12E-07
0.17571	0.100097	0.03056	0.032565	0.48265	-0.00385	0.93381	0.340524	3.84E-14
0.01148	-0.13606	0.00322	-0.16656	0.0003	-0.1508	0.00108	0.012134	0.79368
8.81E-06	-0.00578	0.90095	-0.12404	0.00728	-0.12758	0.00576	0.018092	0.69656
0.03546	0.128132	0.00555	0.02994	0.51865	0.023753	0.60865	0.024885	0.59168
0.02377	0.074421	0.10824	-0.00222	0.96186	-0.01656	0.72112	0.017253	0.70999
0.02716	-0.01093	0.81381	-0.07218	0.11929	-0.08472	0.06738	0.060089	0.1949
0.98261	0.181607	7.92E-05	0.127532	0.00578	0.114446	0.01333	0.154278	0.00082
0.18616	0.055796	0.22879	-0.04562	0.32528	-0.03167	0.49484	0.179977	9.20E-05
0.00025	-0.00103	0.98227	-0.10274	0.02641	-0.10497	0.02329	0.140642	0.00232
0.12349	0.126798	0.00607	0.083668	0.07086	0.052582	0.25678	0.116323	0.01188
0.03956	0.083506	0.07141	-0.01702	0.71381	-0.01643	0.7233	0.099579	0.03144
1.50E-10	0.493653	4.67E-30	0.313075	4.45E-12	0.375137	4.72E-17	0.23615	2.43E-07
0.94497	0.010093	0.8278	0.028225	0.5429	0.026881	0.56229	-0.0314	0.49844
0.92988	0.030337	0.51312	0.052377	0.25864	0.020579	0.65736	-0.15088	0.00107
8.70E-06	0.094585	0.04104	0.317337	2.19E-12	0.276919	1.15E-09	0.134878	0.0035
1.22E-05	0.257061	1.75E-08	0.438527	2.28E-23	0.365112	3.58E-16	0.091592	0.04791
0.00115	0.038679	0.40432	0.042206	0.36281	-0.03376	0.46668	-0.07175	0.12154
0.02745	0.032299	0.48625	0.131128	0.00453	0.028992	0.53199	0.261663	9.48E-09
0.00093	0.220391	1.52E-06	0.271947	2.31E-09	0.248126	5.55E-08	0.011756	0.79997
0.00092	0.230145	4.96E-07	0.239434	1.63E-07	0.265178	5.90E-09	0.21606	2.45E-06
4.69E-10	0.063517	0.17059	0.186783	4.88E-05	0.255592	2.12E-08	0.391931	1.35E-18
0.00127	-0.06225	0.17927	0.060247	0.19373	0.087311	0.05938	0.030987	0.50413
0.63249	0.055774	0.22898	0.02186	0.63751	0.043277	0.35074	0.19827	1.59E-05
2.89E-07	-0.01068	0.81802	0.132215	0.00421	0.135744	0.00329	0.309271	8.27E-12
0.48734	0.050391	0.27716	-0.15366	0.00086	-0.02771	0.55024	0.008399	0.85636
0.48535	0.020277	0.66206	-0.01587	0.73235	0.007183	0.87698	0.080564	0.08201
0.14123	0.163517	0.00039	0.023835	0.60741	0.097266	0.03562	0.076142	0.1003
0.21096	-0.07899	0.08818	0.034924	0.45149	0.033488	0.47033	-0.06802	0.14221
0.31454	0.06432	0.16524	0.057875	0.21189	0.063861	0.16828	-0.19137	3.14E-05
0.05257	0.005925	0.8984	-0.00899	0.84634	0.014216	0.7593	0.117586	0.01099
4.88E-06	0.129366	0.00511	0.104912	0.02337	0.207546	6.11E-06	0.251678	3.52E-08
0.3455	0.0574	0.21567	0.036349	0.43324	0.028586	0.53775	-0.05628	0.22481
0.80168	0.138434	0.00272	0.109161	0.01829	0.106897	0.02086	0.034773	0.45346
0.40869	0.14647	0.0015	0.107329	0.02035	0.072995	0.11519	0.002365	0.95934

0.52717	0.174802	0.00015	0.141484	0.00218	0.131801	0.00433	-0.16301	0.0004
0.00239	-0.01485	0.74891	-0.17963	9.49E-05	-0.12606	0.00638	-0.09257	0.04556
0.3075	0.063656	0.16965	-0.08334	0.07198	-0.04591	0.32215	-0.02383	0.60755
0.06284	0.138804	0.00265	0.157237	0.00065	0.153239	0.00089	-0.07431	0.10877
0.94032	0.127622	0.00575	0.152289	0.00096	0.114997	0.01289	-0.08359	0.07111
0.85468	-0.00581	0.90038	0.083729	0.07065	0.052475	0.25775	-0.10288	0.0262
0.96237	0.071641	0.1221	0.052976	0.25322	0.061153	0.18709	-0.02314	0.618
0.84469	0.085102	0.06614	0.078171	0.09154	0.08704	0.06018	-0.06224	0.17935
0.27343	0.060782	0.18979	0.131846	0.00432	0.055355	0.2325	-0.08311	0.07276
0.0264	0.123404	0.00759	0.155322	0.00076	0.151211	0.00105	0.026848	0.56276
1.35E-10	0.27223	2.22E-09	0.334612	1.11E-13	0.388403	2.90E-18	0.028938	0.53275
0.06199	0.022012	0.63517	-0.06294	0.17453	0.028145	0.54405	0.206229	7.02E-06
0.36883	0.106335	0.02155	0.041683	0.36878	0.089521	0.0532	-0.00496	0.9149
0.23608	0.20752	6.13E-06	0.095986	0.03812	0.093089	0.04436	-0.10087	0.02929
0.76666	0.230081	5.00E-07	0.278134	9.63E-10	0.199537	1.40E-05	-0.05436	0.24105
5.28E-08	0.20975	4.84E-06	0.353761	3.26E-15	0.336886	7.41E-14	0.156907	0.00067
0.00827	0.023813	0.60774	0.139785	0.00247	0.017546	0.7053	-0.11558	0.01244
0.01609	0.102735	0.02642	0.123308	0.00764	0.127319	0.00586	-0.06439	0.16474
0.02333	0.146952	0.00145	0.011945	0.79684	0.101763	0.02788	0.179885	9.27E-05
0.00065	-0.03065	0.50875	-0.02355	0.61172	-0.07567	0.10242	0.12145	0.00861
0.17488	0.087861	0.05779	0.042606	0.35827	0.084109	0.06938	0.072351	0.11843
3.11E-08	0.243738	9.62E-08	0.249872	4.44E-08	0.282733	4.94E-10	0.186047	5.23E-05
0.78654	0.230944	4.52E-07	0.084959	0.0666	0.116378	0.01184	0.058395	0.2078
0.00018	0.120977	0.00887	0.222139	1.25E-06	0.159345	0.00055	0.064175	0.16619
0.00199	0.213331	3.30E-06	0.162575	0.00042	0.197559	1.71E-05	0.03586	0.43945
0.23325	0.2287	5.87E-07	0.219143	1.74E-06	0.208143	5.74E-06	0.039494	0.39448
5.39E-05	0.089036	0.05451	0.124272	0.00717	0.177051	0.00012	0.261213	1.01E-08
0.03961	0.217504	2.09E-06	0.094915	0.04034	0.127695	0.00572	0.10981	0.0176
1.59E-18	0.210874	4.29E-06	0.433583	7.93E-23	0.424704	7.10E-22	0.271691	2.40E-09
0.00068	0.289133	1.92E-10	0.294257	8.81E-11	0.293584	9.77E-11	-0.08393	0.06997
0.00536	0.19016	3.53E-05	0.239189	1.68E-07	0.208738	5.39E-06	-0.0228	0.62313
0.34593	-0.03045	0.51161	-0.02824	0.54274	-0.0364	0.4326	0.13806	0.00279
3.07E-06	0.03927	0.39717	0.025872	0.57706	0.132155	0.00423	0.249639	4.58E-08
0.01343	0.330001	2.51E-13	0.259697	1.23E-08	0.261106	1.02E-08	0.243592	9.80E-08
0.48195	0.097824	0.03457	-0.02517	0.58743	0.017709	0.70268	-0.10651	0.02133
0.00017	0.015668	0.73559	0.187947	4.37E-05	0.170454	0.00021	0.036763	0.42801
0.01211	0.087956	0.05752	0.241086	1.34E-07	0.191026	3.25E-05	-0.02851	0.53884
0.81193	0.080438	0.08249	0.065914	0.15499	0.051147	0.27	0.064501	0.16405
0.9913	0.087201	0.0597	-0.07831	0.09094	-0.01946	0.67492	0.027684	0.55067
0.21831	0.233993	3.15E-07	0.291765	1.29E-10	0.226272	7.78E-07	-0.35002	6.61E-15
0.4814	0.06075	0.19002	-0.06395	0.16768	-0.01913	0.68012	-0.30737	1.12E-11
0.86109	0.031887	0.49183	0.123071	0.00775	0.084474	0.06817	-0.10737	0.0203
0.61508	0.263817	7.09E-09	0.208202	5.71E-06	0.17039	0.00022	0.015058	0.74551
5.38E-05	0.460419	7.01E-26	0.25923	1.31E-08	0.326968	4.26E-13	0.317841	2.02E-12
3.58E-10	0.27874	8.82E-10	0.522903	3.93E-34	0.425476	5.89E-22	0.137883	0.00283

1.13E-12	0.373	7.31E-17	0.700874	3.08E-70	0.563652	1.64E-40	0.190077	3.56E-05
0.25081	0.044164	0.34095	0.001466	0.97479	0.023194	0.6171	0.244973	8.25E-08
0.0018	0.216121	2.43E-06	0.229329	5.46E-07	0.229689	5.23E-07	-0.08086	0.08089
0.01568	0.094177	0.04193	-0.14695	0.00145	-0.10094	0.02917	0.121146	0.00878
0.01971	-0.13327	0.00391	0.059479	0.19947	0.058184	0.20945	-0.01622	0.7267
0.60156	0.159162	0.00056	0.188904	3.98E-05	0.157121	0.00066	0.20808	5.78E-06
3.09E-05	-0.14157	0.00216	-0.29071	1.51E-10	-0.24004	1.52E-07	-0.19641	1.91E-05
0.11613	0.069544	0.13345	0.155877	0.00072	0.103649	0.0251	0.095534	0.03905
3.56E-13	0.066672	0.15028	0.089043	0.05449	0.208121	5.75E-06	0.216756	2.27E-06
1.04E-12	0.124633	0.007	0.319798	1.45E-12	0.309598	7.85E-12	0.042508	0.35937
0.00176	0.162022	0.00044	0.162686	0.00042	0.180685	8.62E-05	0.020216	0.66302
6.86E-21	0.09679	0.03653	0.166345	0.00031	0.302153	2.58E-11	0.238199	1.90E-07
0.52799	0.1264	0.00623	-0.10739	0.02028	0.027899	0.54757	-0.06182	0.18229
0.02085	-0.05598	0.22724	-0.05361	0.24757	-0.05937	0.20032	0.162408	0.00043
1.95E-05	0.114648	0.01317	0.067769	0.14367	-0.02595	0.57592	-0.06106	0.18779
3.28E-09	0.50567	1.10E-31	0.314149	3.72E-12	0.366175	2.89E-16	-0.1787	0.0001
0.28719	0.039893	0.38971	0.04303	0.3535	0.022619	0.62586	0.038284	0.40914
0.31069	0.105553	0.02253	0.117323	0.01117	0.114923	0.01295	0.139867	0.00245
0.00045	0.044261	0.33989	0.178937	0.0001	0.20326	9.55E-06	0.180357	8.88E-05
7.99E-05	-0.01772	0.70245	0.14203	0.00209	0.160276	0.00051	-0.01839	0.69182
0.79896	0.062697	0.17618	0.036551	0.43069	0.036905	0.42623	0.021551	0.64227
0.06907	0.197147	1.78E-05	0.084818	0.06705	0.137521	0.0029	-0.01668	0.71916
0.43647	-0.01241	0.78912	-0.05592	0.22779	0.007163	0.87731	0.042893	0.35503
0.00364	-0.04829	0.29772	-0.0831	0.0728	-0.08276	0.07399	-0.05102	0.27116
0.08673	0.047792	0.30272	0.027251	0.55692	0.05505	0.23509	-0.0238	0.60798
0.71105	0.079165	0.08747	0.079323	0.08685	0.043368	0.34973	-0.1205	0.00915
0.7216	0.058282	0.20869	0.048896	0.29168	0.047318	0.30755	-0.03564	0.44223
0.08486	-0.11294	0.01461	-0.17202	0.00019	-0.14643	0.00151	-0.15812	0.0006
0.12871	0.171819	0.00019	0.150294	0.00112	0.152092	0.00098	0.046059	0.32061
5.32E-06	0.087836	0.05786	0.152578	0.00094	0.200873	1.22E-05	0.247303	6.15E-08
0.01083	0.056567	0.22242	0.088616	0.05567	0.138284	0.00275	-0.07313	0.11453
0.03842	-0.00396	0.93202	0.049492	0.28583	0.083756	0.07056	0.044178	0.34079
0.05044	0.078687	0.08941	0.024579	0.59624	0.062609	0.17679	0.043563	0.34757
0.88957	-0.04026	0.38535	0.010071	0.82817	-0.00118	0.97971	-0.08022	0.08332
0.00069	0.148609	0.00128	0.200244	1.30E-05	0.173054	0.00017	-0.14321	0.00192
1.02E-12	0.369887	1.37E-16	0.35827	1.37E-15	0.390421	1.87E-18	0.062098	0.18036
7.00E-05	0.138666	0.00267	0.048316	0.29744	0.136356	0.00315	0.139125	0.00259
0.00012	0.103527	0.02527	0.04587	0.3226	0.125963	0.00642	-0.12962	0.00502
0.00464	0.247031	6.37E-08	0.154641	0.0008	0.221131	1.39E-06	0.104115	0.02445
0.1141	0.073929	0.1106	0.124343	0.00714	0.104998	0.02326	0.039023	0.40015
0.46977	0.372877	7.49E-17	0.253077	2.94E-08	0.174532	0.00015	0.293527	9.85E-11
0.4734	0.060331	0.1931	-0.09383	0.04269	-0.00414	0.92896	-0.07975	0.08517
0.00038	0.367086	2.41E-16	0.515065	5.31E-33	0.381436	1.27E-17	0.140118	0.00241
0.12579	0.018156	0.69555	-0.05747	0.21513	-0.06077	0.1899	-0.11118	0.01623
0.79125	0.056958	0.21924	0.058044	0.21056	0.029431	0.5258	0.06787	0.14308

0.01439	0.13433	0.00363	0.113786	0.01388	0.131537	0.00441	0.06339	0.17145
0.06675	0.129901	0.00493	0.083669	0.07085	0.110787	0.01662	-0.10245	0.02683
0.41819	-0.03251	0.48345	0.090752	0.05	0.073937	0.11056	-0.04789	0.30169
9.41E-05	0.162529	0.00042	0.179035	0.0001	0.211148	4.17E-06	-0.03551	0.44391
0.12347	-0.06199	0.1811	0.011116	0.81066	0.023417	0.61372	-0.0454	0.3276
0.53772	-0.05596	0.22741	-0.0146	0.75302	-0.01187	0.798	0.004292	0.9263
0.19336	0.226194	7.85E-07	0.227441	6.80E-07	0.194054	2.42E-05	-0.0267	0.56488
0.54954	0.251481	3.61E-08	0.175055	0.00014	0.135546	0.00334	0.134654	0.00355
0.00964	0.08009	0.08383	-0.04161	0.36961	-0.03069	0.50819	-0.22118	1.39E-06
2.92E-07	0.360711	8.51E-16	0.350989	5.51E-15	0.375201	4.66E-17	-0.01312	0.77738
0.00687	0.069129	0.13578	-0.09477	0.04065	-0.05503	0.23524	0.161369	0.00046
0.01688	0.199641	1.38E-05	0.273393	1.89E-09	0.227232	6.96E-07	0.103695	0.02503
0.08989	-0.02943	0.52574	-0.05402	0.24399	-0.05932	0.20068	0.032348	0.48558
0.64726	0.206678	6.70E-06	0.076905	0.09693	0.100918	0.02921	-0.25887	1.38E-08
5.89E-07	0.293767	9.50E-11	0.287909	2.30E-10	0.326335	4.75E-13	0.343704	2.14E-14
0.00019	0.283205	4.61E-10	0.282732	4.94E-10	0.31051	6.76E-12	0.021928	0.63645
0.60133	0.010033	0.8288	0.11688	0.01148	0.051516	0.26656	0.128749	0.00533
0.00027	-0.04254	0.35903	0.130075	0.00487	0.131699	0.00436	0.14537	0.00163
0.7648	0.314485	3.52E-12	0.161241	0.00047	0.162125	0.00044	-0.31069	6.57E-12
0.00129	0.087153	0.05985	0.188232	4.25E-05	0.152174	0.00097	0.102874	0.02621
0.00919	0.040836	0.3786	-0.02404	0.60432	-0.06704	0.14806	-0.19719	1.77E-05
0.00013	0.259889	1.20E-08	0.3178	2.03E-12	0.308497	9.38E-12	0.021127	0.64882
0.50544	0.011657	0.80163	0.042233	0.3625	0.017907	0.69952	-0.23422	3.07E-07
1.79E-07	0.009931	0.83052	0.122661	0.00796	0.12192	0.00835	0.176347	0.00013
2.28E-14	-0.33666	7.71E-14	-0.17063	0.00021	-0.37455	5.32E-17	-0.22087	1.44E-06
7.25E-08	-0.14557	0.00161	0.181517	7.98E-05	-0.13085	0.00462	-0.13417	0.00367
3.94E-26	-0.38987	2.11E-18	-0.31665	2.46E-12	-0.47396	1.58E-27	-0.15677	0.00067
0.00062	0.142272	0.00206	0.226199	7.84E-07	0.028392	0.54052	0.039203	0.39798
4.02E-20	-0.39367	9.23E-19	-0.212	3.80E-06	-0.43044	1.74E-22	-0.1843	6.17E-05
1.71E-08	-0.1502	0.00113	0.009924	0.83063	-0.18594	5.28E-05	-0.09233	0.04613
4.84E-12	-0.06797	0.14248	0.087027	0.06022	-0.18983	3.65E-05	-0.07758	0.09402
3.01E-21	-0.29171	1.30E-10	-0.11776	0.01087	-0.32656	4.57E-13	-0.18637	5.07E-05
2.48E-22	-0.34129	3.34E-14	-0.20605	7.16E-06	-0.4023	1.35E-19	-0.28156	5.86E-10
2.39E-12	-0.34569	1.49E-14	-0.0895	0.05327	-0.27194	2.32E-09	-0.16338	0.00039
1.71E-32	-0.28794	2.29E-10	-0.13378	0.00378	-0.37926	2.01E-17	-0.22584	8.17E-07
2.36E-21	-0.43009	1.89E-22	-0.21687	2.24E-06	-0.43005	1.91E-22	-0.26987	3.09E-09
1.80E-13	-0.10596	0.02201	0.057953	0.21127	-0.21192	3.84E-06	0.0096	0.83608
0.03129	-0.00695	0.88099	0.161968	0.00044	-0.03075	0.50735	0.043059	0.35318
1.68E-06	-0.0539	0.24505	-0.00331	0.94314	-0.16662	0.0003	0.01177	0.79974
4.50E-19	-0.26782	4.10E-09	-0.02848	0.53932	-0.30103	3.08E-11	-0.0435	0.34827
0.00067	0.059238	0.20131	0.166503	0.0003	-0.01192	0.79717	-0.16979	0.00023
2.26E-06	-0.21097	4.25E-06	0.086603	0.06148	-0.15913	0.00056	-0.07795	0.09247
1.44E-14	-0.34971	7.02E-15	-0.13135	0.00447	-0.3225	9.18E-13	0.068042	0.14206
4.32E-09	-0.32808	3.51E-13	-0.08716	0.05983	-0.28289	4.83E-10	-0.15167	0.00101
3.56E-15	-0.21755	2.08E-06	-0.06161	0.1838	-0.25443	2.47E-08	-0.35227	4.32E-15

6.80E-16	-0.1359	0.00325	-0.17542	0.00014	-0.33281	1.53E-13	0.006966	0.88065
3.20E-10	-0.3457	1.48E-14	-0.07191	0.1207	-0.26836	3.81E-09	-0.04913	0.28935
6.59E-18	-0.27072	2.75E-09	-0.13693	0.00303	-0.33337	1.39E-13	-0.16249	0.00042
1.12E-20	-0.15074	0.00109	-0.0795	0.08614	-0.28662	2.79E-10	-0.0484	0.2966
8.58E-29	-0.37607	3.89E-17	-0.2327	3.67E-07	-0.44294	7.34E-24	-0.08532	0.06546
3.58E-14	-0.30312	2.22E-11	-0.05733	0.21622	-0.28475	3.68E-10	-0.04276	0.35655
1.90E-10	-0.08451	0.06805	0.091932	0.04708	-0.16824	0.00026	-0.13707	0.003
2.28E-16	-0.30519	1.59E-11	-0.18824	4.25E-05	-0.3797	1.83E-17	-0.32587	5.15E-13
2.42E-15	-0.33504	1.03E-13	0.035721	0.44123	-0.26585	5.38E-09	-0.19874	1.52E-05
4.76E-20	-0.33545	9.58E-14	-0.1942	2.38E-05	-0.37283	7.57E-17	-0.00957	0.83652
7.98E-40	-0.37461	5.25E-17	-0.29953	3.90E-11	-0.50202	3.49E-31	-0.2683	3.84E-09
4.94E-05	-0.13177	0.00434	0.002223	0.96178	-0.13129	0.00449	-0.12384	0.00737
9.72E-14	-0.22046	1.50E-06	-0.08202	0.07662	-0.30022	3.50E-11	-0.24319	1.03E-07
9.44E-13	-0.38481	6.24E-18	-0.17554	0.00014	-0.33688	7.42E-14	-0.07533	0.10399
0.00022	0.049853	0.28232	0.260166	1.16E-08	0.026071	0.57413	0.007893	0.86491
3.13E-13	-0.14372	0.00185	-0.01834	0.69265	-0.22807	6.32E-07	-0.10769	0.01993
0.00055	-0.01911	0.68042	0.108927	0.01854	-0.04617	0.31942	-0.19761	1.70E-05
6.87E-13	-0.46887	6.70E-27	-0.25889	1.37E-08	-0.42407	8.28E-22	-0.08277	0.07396
0.24664	0.096904	0.03631	0.302941	2.28E-11	0.092359	0.04606	-0.1816	7.92E-05
0.19815	-0.10823	0.01932	0.037169	0.42293	-0.09212	0.04662	-0.05926	0.20111
1.15E-12	-0.23556	2.61E-07	-0.12004	0.00942	-0.30188	2.70E-11	-0.24503	8.19E-08
3.57E-05	-0.39557	6.08E-19	-0.13415	0.00368	-0.3016	2.82E-11	-0.32532	5.66E-13
4.41E-22	-0.42065	1.89E-21	-0.23823	1.89E-07	-0.43876	2.14E-23	-0.21331	3.30E-06
1.26E-11	-0.33588	8.88E-14	-0.13519	0.00342	-0.35347	3.44E-15	-0.26674	4.76E-09
5.79E-16	-0.18059	8.69E-05	-0.07224	0.11902	-0.30065	3.27E-11	-0.0482	0.29856
4.24E-08	-0.10666	0.02115	-0.0484	0.29656	-0.18022	8.99E-05	-0.14343	0.00189
1.22E-08	-0.07335	0.11343	0.112394	0.0151	-0.11917	0.00995	0.134386	0.00362
8.03E-21	-0.20616	7.07E-06	-0.09689	0.03634	-0.29267	1.12E-10	-0.36153	7.25E-16
2.67E-09	-0.29411	9.01E-11	-0.08443	0.06831	-0.25927	1.31E-08	-0.12372	0.00744
5.90E-13	-0.13854	0.0027	0.067209	0.14702	-0.20503	7.96E-06	-0.26297	7.96E-09
0.34796	0.216701	2.28E-06	0.249232	4.82E-08	0.130023	0.00489	-0.05551	0.23119
9.83E-11	-0.20073	1.24E-05	0.045387	0.32773	-0.18844	4.17E-05	-0.29757	5.29E-11
2.81E-17	-0.37915	2.05E-17	-0.22264	1.18E-06	-0.40857	3.24E-20	-0.12937	0.00511
3.00E-06	-0.16167	0.00045	0.04242	0.36037	-0.17014	0.00022	0.002234	0.9616
1.50E-06	-0.12128	0.0087	0.186081	5.21E-05	-0.09753	0.03512	-0.03344	0.47092
2.99E-22	-0.33389	1.26E-13	-0.24004	1.52E-07	-0.44096	1.22E-23	-0.20918	5.15E-06
8.77E-16	-0.28013	7.22E-10	-0.02132	0.64585	-0.2964	6.34E-11	-0.10611	0.02183
0.00583	-0.00829	0.85815	0.084968	0.06657	-0.08914	0.05424	-0.21894	1.78E-06
2.08E-17	-0.28238	5.20E-10	-0.09367	0.04304	-0.32634	4.75E-13	-0.00031	0.99468
1.34E-08	-0.19898	1.48E-05	-0.04215	0.36342	-0.19661	1.88E-05	0.123162	0.00771
2.22E-06	-0.30926	8.29E-12	-0.03587	0.43934	-0.24269	1.10E-07	-0.01578	0.73377
0.00121	0.123961	0.00732	0.237401	2.09E-07	0.018242	0.69418	0.035628	0.44242
4.60E-16	-0.14918	0.00122	0.106367	0.02151	-0.1665	0.0003	-0.15594	0.00072
1.69E-09	-0.3895	2.28E-18	-0.09441	0.04142	-0.26512	5.94E-09	-0.17491	0.00015
1.28E-20	-0.30333	2.14E-11	-0.19367	2.51E-05	-0.38187	1.16E-17	0.00889	0.84806

4.41E-28	-0.45528	2.83E-25	-0.30002	3.61E-11	-0.51711	2.71E-33	-0.24015	1.50E-07
1.52E-22	-0.32514	5.84E-13	-0.27468	1.57E-09	-0.44044	1.40E-23	-0.25959	1.25E-08
3.89E-21	-0.4375	2.96E-23	-0.24614	7.13E-08	-0.42843	2.85E-22	-0.16795	0.00027
9.99E-17	-0.11568	0.01237	0.004435	0.92385	-0.23646	2.34E-07	-0.09698	0.03616
0.00024	0.163202	0.0004	0.375977	3.97E-17	0.126256	0.00629	0.008096	0.86148
4.40E-08	0.000447	0.99232	0.070567	0.12781	-0.11602	0.01211	-0.07386	0.11092
7.18E-18	-0.27224	2.22E-09	-0.07659	0.09831	-0.29431	8.73E-11	-0.4504	1.04E-24
1.14E-20	-0.21246	3.62E-06	-0.10909	0.01836	-0.3258	5.21E-13	-0.07566	0.10249
4.74E-08	-0.0814	0.07888	-0.06244	0.17796	-0.17356	0.00016	-0.19962	1.39E-05
5.43E-19	-0.2876	2.41E-10	0.04212	0.36378	-0.28954	1.80E-10	-0.12206	0.00828
0.06354	0.302277	2.53E-11	0.32575	5.26E-13	0.152785	0.00093	0.086939	0.06048
0.18334	0.127307	0.00587	0.162566	0.00042	0.038511	0.40637	-0.14389	0.00182
3.54E-09	-0.32366	7.52E-13	-0.13901	0.00261	-0.31089	6.36E-12	-0.25812	1.52E-08
5.09E-05	-0.15515	0.00077	0.099692	0.03124	-0.13069	0.00467	-0.31534	3.06E-12
4.43E-18	-0.36212	6.46E-16	-0.20767	6.03E-06	-0.39902	2.82E-19	-0.16256	0.00042
7.85E-06	-0.15284	0.00092	0.08402	0.06967	-0.12243	0.00808	-0.24217	1.17E-07
1.38E-12	0.010654	0.81838	0.047613	0.30454	-0.13621	0.00318	-0.23066	4.67E-07
7.05E-10	-0.25552	2.14E-08	0.004783	0.9179	-0.23126	4.35E-07	0.007351	0.87411
0.00044	-0.13273	0.00406	0.105044	0.02319	-0.10167	0.02803	-0.08136	0.07901
7.08E-11	-0.22496	9.04E-07	-0.01714	0.71179	-0.24326	1.02E-07	-0.01764	0.70385
1.90E-08	-0.03088	0.50567	0.15106	0.00106	-0.07583	0.10169	0.038652	0.40465
1.55E-23	-0.55073	2.15E-38	-0.28835	2.15E-10	-0.51625	3.60E-33	-0.27558	1.39E-09
0.88818	0.122042	0.00829	0.304538	1.77E-11	0.169185	0.00024	0.004933	0.91532
3.94E-06	-0.11223	0.01524	0.02536	0.58461	-0.16347	0.00039	-0.01308	0.77806
5.56E-11	0.098413	0.03349	0.119777	0.00958	-0.09476	0.04067	-0.20773	6.00E-06
1.10E-11	-0.40956	2.58E-20	-0.128	0.0056	-0.33518	1.01E-13	-0.08199	0.07671
1.01E-07	-0.31904	1.65E-12	-0.07287	0.11581	-0.24896	4.99E-08	-0.24075	1.39E-07
7.24E-10	-0.22776	6.55E-07	-0.06529	0.15894	-0.19465	2.28E-05	-0.02089	0.65245
8.78E-11	-0.20332	9.50E-06	-0.05516	0.23412	-0.26832	3.83E-09	-0.31542	3.02E-12
5.91E-18	-0.42334	9.90E-22	-0.21669	2.28E-06	-0.43415	6.89E-23	-0.05984	0.19673
3.50E-08	-0.16561	0.00033	-0.0542	0.24238	-0.24766	5.88E-08	-0.23603	2.47E-07
2.68E-09	-0.37609	3.87E-17	-0.14009	0.00241	-0.30023	3.50E-11	-0.39901	2.84E-19
0.00017	-0.01375	0.76693	0.151438	0.00103	-0.03346	0.47071	-0.08152	0.07845
9.01E-22	-0.44493	4.38E-24	-0.26633	5.04E-09	-0.45361	4.43E-25	0.011405	0.80583
6.91E-12	-0.25608	1.99E-08	-0.18061	8.67E-05	-0.33844	5.60E-14	-0.11121	0.0162
2.77E-13	-0.18862	4.09E-05	-0.02827	0.54226	-0.24197	1.20E-07	-0.19913	1.46E-05
4.05E-16	-0.2419	1.21E-07	-0.06802	0.14218	-0.28119	6.19E-10	-0.23043	4.80E-07
9.07E-23	-0.20184	1.11E-05	-0.19898	1.48E-05	-0.38449	6.69E-18	-0.05519	0.23387
1.01E-11	0.278587	9.02E-10	0.19241	2.84E-05	-0.00637	0.89074	-0.076	0.10092
0.00154	-0.07738	0.09489	0.136407	0.00314	-0.03519	0.44804	-0.19382	2.47E-05
9.81E-23	-0.1858	5.36E-05	-0.01405	0.76206	-0.28024	7.11E-10	-0.36328	5.14E-16
2.15E-13	-0.28371	4.28E-10	-0.06065	0.19076	-0.30701	1.19E-11	-0.14104	0.00225
7.74E-22	-0.34468	1.79E-14	-0.19189	2.99E-05	-0.40918	2.81E-20	0.029763	0.52113
2.28E-13	-0.4198	2.32E-21	-0.14383	0.00183	-0.363	5.43E-16	-0.2121	3.77E-06
0.01649	0.195298	2.14E-05	0.208711	5.41E-06	0.073836	0.11105	0.027949	0.54686

7.67E-13	-0.30347	2.10E-11	-0.1355	0.00335	-0.33227	1.69E-13	0.015028	0.74601
5.33E-11	-0.17624	0.00013	0.020143	0.66417	-0.20614	7.08E-06	-0.17621	0.00013
3.19E-25	-0.38395	7.49E-18	-0.23117	4.40E-07	-0.42442	7.61E-22	-0.22097	1.42E-06
3.83E-09	-0.19141	3.13E-05	-0.04223	0.36256	-0.24704	6.36E-08	-0.194	2.43E-05
5.61E-17	-0.35988	1.00E-15	-0.1536	0.00087	-0.38431	6.94E-18	-0.16346	0.00039
0.06463	0.117829	0.01082	0.251359	3.67E-08	0.032753	0.48013	0.010638	0.81865
4.66E-09	-0.22106	1.41E-06	-0.03001	0.51764	-0.2307	4.65E-07	-0.06853	0.13919
0.00019	-0.1949	2.22E-05	-0.02003	0.66591	-0.18625	5.13E-05	-0.11939	0.00981
9.02E-07	-0.07839	0.09062	0.141417	0.00219	-0.0781	0.09184	0.002319	0.96014
1.25E-15	-0.07923	0.08722	0.094594	0.04102	-0.13779	0.00285	-0.22314	1.11E-06
0.05928	0.228687	5.88E-07	0.274929	1.52E-09	0.124424	0.0071	0.031776	0.49334
2.52E-22	-0.24331	1.01E-07	-0.25135	3.68E-08	-0.42909	2.42E-22	-0.34504	1.68E-14
6.25E-12	-0.1581	0.00061	0.138373	0.00273	-0.17159	0.00019	-0.18846	4.16E-05
0.00057	-0.0647	0.16277	0.142731	0.00199	-0.02778	0.54922	-0.07167	0.12193
0.00478	0.08306	0.07294	0.219105	1.75E-06	0.061274	0.18622	0.006983	0.88037
6.77E-13	-0.23006	5.01E-07	-0.13456	0.00358	-0.30995	7.41E-12	-0.01562	0.73634
8.06E-12	-0.25658	1.86E-08	-0.00815	0.86061	-0.24935	4.75E-08	-0.25577	2.07E-08
1.29E-25	-0.17619	0.00013	0.029752	0.52129	-0.28391	4.16E-10	-0.11957	0.0097
9.03E-12	-0.35656	1.90E-15	-0.12704	0.00597	-0.30348	2.09E-11	-0.12697	0.006
0.00014	-0.28934	1.86E-10	-0.05595	0.22748	-0.21522	2.68E-06	-0.18793	4.37E-05
2.21E-11	-0.44862	1.66E-24	-0.21001	4.71E-06	-0.38595	4.89E-18	-0.06315	0.17305
7.74E-08	0.014896	0.74817	0.140979	0.00226	-0.05439	0.24073	-0.07274	0.11644
5.83E-12	-0.27653	1.21E-09	-0.17478	0.00015	-0.36365	4.78E-16	0.002787	0.9521
1.30E-24	-0.42791	3.24E-22	-0.16587	0.00032	-0.41971	2.37E-21	-0.27023	2.94E-09
1.22E-28	-0.36159	7.17E-16	-0.30217	2.58E-11	-0.48471	6.90E-29	-0.19588	2.02E-05
2.68E-30	-0.31936	1.56E-12	-0.22431	9.73E-07	-0.44745	2.26E-24	-0.07795	0.09246
4.87E-20	-0.3747	5.16E-17	-0.18529	5.62E-05	-0.4187	3.02E-21	-0.16013	0.00051
3.18E-13	-0.24937	4.73E-08	-0.18495	5.80E-05	-0.31496	3.26E-12	-0.2702	2.95E-09
1.76E-20	-0.39297	1.07E-18	-0.23917	1.69E-07	-0.43911	1.96E-23	-0.09984	0.03099
4.71E-10	-0.21792	1.99E-06	0.008155	0.86049	-0.22021	1.55E-06	-0.14145	0.00218
5.48E-12	-0.04201	0.36503	0.057367	0.21594	-0.18288	7.04E-05	-0.34575	1.47E-14
1.66E-22	-0.18699	4.78E-05	0.014448	0.75549	-0.24551	7.71E-08	-0.10768	0.01994
3.09E-19	-0.42019	2.11E-21	-0.16815	0.00026	-0.36937	1.53E-16	-0.25606	1.99E-08
1.29E-16	-0.34069	3.72E-14	-0.10227	0.02711	-0.32529	5.69E-13	-0.2008	1.23E-05
6.22E-05	-0.1026	0.02662	0.224079	9.99E-07	-0.06451	0.16396	-0.06197	0.18126
8.68E-21	-0.35868	1.26E-15	-0.25343	2.81E-08	-0.42192	1.40E-21	-0.02938	0.52646
6.47E-07	-0.28061	6.74E-10	-0.02466	0.59496	-0.1832	6.83E-05	-0.20782	5.94E-06
0.3124	-0.08461	0.06772	-0.08867	0.05551	-0.08996	0.05206	0.013596	0.76949
0.42579	0.047979	0.30083	-0.07181	0.12121	-0.04016	0.3866	0.092329	0.04614
0.50247	-0.0339	0.46487	-0.04717	0.30902	-0.05183	0.26368	-0.01389	0.76472
0.30789	0.011829	0.79876	0.003459	0.94057	0.027095	0.55918	0.189973	3.60E-05
0.30251	-0.03406	0.46274	-0.03775	0.41574	-0.04101	0.37658	0.028037	0.54559
0.47968	-0.06044	0.19233	-0.0763	0.09959	-0.04708	0.31002	0.093441	0.04356
0.5705	0.034186	0.46112	0.008547	0.85384	0.005351	0.90819	0.102717	0.02644
0.16679	0.00133	0.97713	-0.04403	0.34245	-0.03956	0.39374	0.040619	0.38114



0.03779	-0.09638	0.03734	-0.12609	0.00636	-0.11979	0.00957	-0.01679	0.71736
0.17525	0.019144	0.67988	-0.04953	0.28549	-0.03414	0.46173	0.027206	0.55757
0.00912	-0.03477	0.45343	-0.09373	0.04291	-0.08573	0.06415	-0.1037	0.02503
0.58846	-0.00249	0.95729	-0.041	0.37664	-0.0201	0.6648	0.097596	0.03499
0.23744	-0.03771	0.41625	-0.05144	0.26728	-0.0368	0.42754	0.052964	0.25333
0.25766	-0.0315	0.49706	-0.05469	0.23815	-0.03971	0.39195	0.053139	0.25177
0.62755	-0.00022	0.99614	0.044868	0.3333	0.038894	0.40171	0.097742	0.03472
0.29337	-0.06038	0.19271	-0.07153	0.1227	-0.05941	0.19999	0.048863	0.29201
0.21672	0.003638	0.93751	-0.0508	0.27327	-0.03835	0.40838	0.04274	0.35676
0.39548	0.01161	0.80241	-0.04256	0.35873	0.009608	0.83595	0.061932	0.18153
0.89762	0.084141	0.06927	-0.00961	0.83598	0.031617	0.4955	0.07652	0.09862
0.18387	-0.04221	0.3628	-0.12745	0.00581	-0.08052	0.08217	0.040964	0.37711
0.63541	-0.00411	0.92939	-0.01692	0.7154	0.006533	0.88802	-0.00415	0.92867
0.84506	-0.09031	0.05114	-0.03078	0.50705	-0.0195	0.67431	-0.08208	0.07639
0.68585	-0.032	0.49033	-0.01925	0.67815	-0.00581	0.90042	-0.03994	0.38922
0.199	-0.06505	0.16047	-0.0587	0.20546	-0.06459	0.16345	0.008285	0.85828
0.08938	-0.06688	0.149	-0.09886	0.03268	-0.0786	0.08975	-0.01268	0.78466
0.24872	0.0309	0.50533	-0.03186	0.49224	-0.02111	0.64908	0.043368	0.34973
0.77601	0.025713	0.5794	-0.02174	0.63934	-0.00776	0.86722	0.045323	0.32842
0.09386	-0.03287	0.47857	-0.06182	0.18234	-0.06553	0.1574	0.035833	0.4398
0.55236	0.023209	0.61688	-0.02269	0.62479	0.011927	0.79714	0.054229	0.24216
0.00213	-0.05294	0.25354	-0.1013	0.02861	-0.10648	0.02137	-0.13132	0.00447
0.19116	-0.03064	0.50891	-0.05834	0.20826	-0.06177	0.18265	0.00245	0.95789
0.10905	-0.02845	0.53974	-0.0495	0.28571	-0.05928	0.20101	0.017121	0.7121
0.92858	0.037191	0.42265	-0.0015	0.97415	0.018379	0.692	-0.06535	0.15857
0.13539	-0.04078	0.37923	-0.06238	0.17838	-0.06451	0.16396	0.024193	0.60203
0.74846	0.016271	0.72582	-0.0194	0.67587	-0.00203	0.96517	0.021521	0.64274
0.41633	-0.0482	0.29856	-0.05946	0.19962	-0.04424	0.34007	0.022648	0.62543
0.20161	-0.02754	0.5527	-0.05	0.28092	-0.04583	0.32307	0.033334	0.47237
0.17894	-0.03762	0.41735	-0.0553	0.23294	-0.0557	0.22959	0.039534	0.394
0.31551	-0.03403	0.46323	-0.03299	0.47701	-0.03264	0.48158	-0.04711	0.30972
0.43673	0.09953	0.03152	0.019532	0.67375	0.0501	0.27994	0.069912	0.1314
0.43904	0.015506	0.73822	-0.05076	0.27369	-0.02118	0.64802	0.052376	0.25864
0.41202	0.067087	0.14776	-0.00543	0.90677	0.007753	0.86729	0.071077	0.12508
0.00517	-0.02648	0.5682	0.027841	0.5484	0.077823	0.09299	0.110799	0.0166
0.91444	-0.01174	0.80026	-0.00144	0.97531	0.008819	0.84925	0.010153	0.82678
0.85834	0.011571	0.80305	-0.03778	0.41532	-0.0063	0.89195	0.040197	0.38612
0.62235	0.008808	0.84943	-0.02885	0.53394	-0.01313	0.77714	0.039188	0.39816
0.51342	-0.00471	0.91918	-0.03032	0.51343	-0.02426	0.601	0.021252	0.64689
0.73777	0.009658	0.83511	-0.03536	0.4458	-0.01644	0.72305	0.031662	0.49489
0.42293	-0.00329	0.94349	-0.02922	0.52874	-0.02273	0.62418	0.022194	0.63237
0.82945	0.040651	0.38076	-0.03048	0.51108	0.008603	0.8529	0.041893	0.36638
0.83815	0.055606	0.23039	-0.02972	0.52174	0.012977	0.77971	0.029432	0.52578
0.89501	0.035509	0.44396	-0.02863	0.53716	0.009738	0.83376	0.0452	0.32973
0.67259	0.063879	0.16816	-0.0329	0.47815	0.010376	0.82305	0.025527	0.58215

0.015	-0.06073	0.19013	-0.04987	0.28218	-0.10126	0.02867	0.044883	0.33313
0.50809	0.019955	0.66711	-0.02641	0.56913	0.013109	0.77752	0.050526	0.27587
0.04479	-0.21393	3.09E-06	-0.18891	3.98E-05	-0.17575	0.00013	0.024778	0.59327
0.27339	-0.00831	0.85781	-0.04407	0.34197	-0.0385	0.40646	0.044966	0.33224
0.22913	-0.02144	0.64399	-0.05838	0.20789	-0.04598	0.32143	0.048335	0.29725
0.25264	0.001021	0.98244	-0.03992	0.38941	-0.03578	0.4405	0.033219	0.47391
0.9587	0.018007	0.69792	-0.01612	0.72819	0.004631	0.9205	0.022383	0.62948
0.80431	0.010778	0.81631	-0.03787	0.41419	-0.01536	0.74053	0.045808	0.32326
0.78919	0.007149	0.87755	-0.05074	0.27382	-0.01972	0.67086	0.04445	0.33782
0.63334	0.017531	0.70554	0.037076	0.42409	0.006119	0.89508	0.040175	0.38637
0.49668	-0.0031	0.94668	-0.03288	0.47843	-0.02657	0.56686	0.031944	0.49105
0.35721	0.048239	0.29822	-0.02828	0.54212	0.023936	0.60589	0.057205	0.21724
0.89791	0.016347	0.72458	-0.02615	0.573	-0.00304	0.9478	0.046975	0.31107
0.84964	0.014751	0.75054	-0.00966	0.83506	0.011723	0.80053	-0.06742	0.14574
0.53976	-0.01485	0.74899	-0.06443	0.16454	-0.03588	0.43926	0.039834	0.39042
0.71237	0.022076	0.63418	-0.02143	0.64412	-0.00334	0.94268	0.031065	0.50305
0.76569	-0.05566	0.2299	-0.0329	0.47817	-0.04302	0.35362	-0.06879	0.13771
0.96487	0.038987	0.40059	-0.0223	0.63072	0.019242	0.67833	0.021158	0.64835
0.02909	-0.10227	0.0271	-0.05603	0.22687	-0.09307	0.0444	0.00544	0.90667
3.91E-21	0.57444	2.36E-42	0.412986	1.16E-20	0.514443	6.51E-33	0.179065	9.99E-05
4.23E-13	0.719835	9.64E-76	0.290324	1.60E-10	0.451375	8.04E-25	0.082098	0.07633
4.95E-14	0.633373	9.76E-54	0.50974	3.00E-32	0.523907	2.80E-34	0.256841	1.80E-08
7.22E-08	0.576387	1.08E-42	0.320445	1.30E-12	0.393304	9.99E-19	-0.19713	1.78E-05
3.74E-07	0.504728	1.49E-31	0.30862	9.19E-12	0.3426	2.63E-14	0.087403	0.05911
6.18E-20	0.587699	1.03E-44	0.201022	1.20E-05	0.420272	2.07E-21	0.389826	2.13E-18
9.17E-38	0.485591	5.30E-29	0.191789	3.02E-05	0.468628	7.18E-27	0.264989	6.05E-09
4.24E-23	0.626997	2.19E-52	0.514382	6.64E-33	0.604072	8.82E-48	0.462957	3.49E-26
1.77E-10	0.711657	2.59E-73	0.607396	2.00E-48	0.559094	9.37E-40	0.072755	0.11639
2.97E-20	0.563641	1.64E-40	0.29751	5.34E-11	0.442445	8.33E-24	0.220989	1.42E-06
2.97E-07	0.511587	1.65E-32	-0.03208	0.48915	0.19411	2.40E-05	0.3138	3.94E-12
1.20E-18	0.637946	1.00E-54	0.160022	0.00052	0.400641	1.97E-19	0.166763	0.0003
3.92E-28	0.708974	1.55E-72	0.742155	7.77E-83	0.705511	1.53E-71	0.231319	4.32E-07
8.76E-26	0.807767	#####	0.700863	3.10E-70	0.742936	4.26E-83	0.115888	0.01221
3.69E-08	0.572053	6.10E-42	0.424886	6.80E-22	0.473548	1.78E-27	0.312687	4.74E-12
1.52E-13	0.674101	3.62E-63	0.529826	3.72E-35	0.561342	3.98E-40	0.223763	1.04E-06
4.37E-26	0.665623	4.42E-61	0.236298	2.39E-07	0.47779	5.24E-28	0.2354	2.66E-07
1.49E-05	0.663532	1.41E-60	0.493867	4.37E-30	0.455891	2.40E-25	0.05841	0.20769
2.34E-27	0.830216	#####	0.731219	2.85E-79	0.742481	6.05E-83	0.262032	9.02E-09
5.68E-10	0.744075	1.76E-83	0.521058	7.30E-34	0.508616	4.30E-32	0.077964	0.0924
4.66E-12	0.74055	2.66E-82	0.714699	3.31E-74	0.636318	2.26E-54	0.097201	0.03574
5.08E-22	0.633875	7.62E-54	0.525396	1.69E-34	0.541037	7.28E-37	0.098095	0.03407
9.59E-21	0.555136	4.17E-39	0.423072	1.06E-21	0.47466	1.29E-27	0.307606	1.08E-11
1.86E-15	0.718396	2.62E-75	0.331253	2.02E-13	0.446369	3.01E-24	0.010681	0.81793
9.36E-14	0.751531	4.86E-86	0.592875	1.15E-45	0.603486	1.14E-47	0.102492	0.02678
8.84E-27	0.602383	1.86E-47	0.586229	1.90E-44	0.617552	1.92E-50	0.010637	0.81867

2.12E-30	0.693829	2.66E-68	0.592801	1.19E-45	0.646428	1.33E-56	0.101097	0.02893
7.80E-29	0.768928	2.21E-92	0.43908	1.98E-23	0.596926	2.02E-46	0.318757	1.73E-12
1.79E-33	0.824559	#####	0.560313	5.89E-40	0.680104	1.10E-64	0.200393	1.28E-05
2.25E-12	0.535759	4.73E-36	0.35254	4.11E-15	0.406581	5.12E-20	0.186907	4.82E-05
1.30E-14	0.74039	3.00E-82	0.719541	1.18E-75	0.669462	5.12E-62	0.114892	0.01298
1.09E-09	0.633349	9.87E-54	0.416506	5.08E-21	0.483735	9.20E-29	0.301732	2.76E-11
1.89E-32	0.594972	4.70E-46	0.410324	2.16E-20	0.574587	2.22E-42	0.382848	9.46E-18
3.88E-21	0.651546	9.14E-58	0.25173	3.50E-08	0.420825	1.81E-21	0.297501	5.35E-11
5.03E-10	0.641655	1.54E-55	0.373695	6.34E-17	0.467325	1.04E-26	0.019569	0.67318
2.46E-25	0.772265	1.16E-93	0.607303	2.08E-48	0.654967	1.48E-58	0.085843	0.06381
9.95E-22	0.66794	1.21E-61	0.477493	5.71E-28	0.556043	2.97E-39	0.417843	3.70E-21
6.38E-09	0.648228	5.21E-57	0.239457	1.63E-07	0.383537	8.18E-18	-0.09695	0.03622
2.29E-20	0.388925	2.59E-18	0.379349	1.97E-17	0.418491	3.17E-21	0.173408	0.00017
2.67E-30	0.851827	#####	0.639251	5.20E-55	0.700478	3.97E-70	0.230012	5.04E-07
1.99E-13	0.530605	2.85E-35	0.401012	1.81E-19	0.420929	1.77E-21	0.192369	2.85E-05
1.39E-15	0.506188	9.35E-32	0.078494	0.0902	0.312726	4.71E-12	0.272243	2.22E-09
9.11E-16	0.599118	7.80E-47	0.507701	5.77E-32	0.508235	4.86E-32	0.126505	0.00619
6.13E-16	0.658026	2.86E-59	0.361802	6.87E-16	0.464464	2.30E-26	0.117331	0.01116
1.96E-07	0.453369	4.72E-25	0.458452	1.20E-25	0.427009	4.05E-22	-0.04428	0.33973
1.40E-30	0.741627	1.17E-82	0.583349	6.29E-44	0.676791	7.63E-64	0.187347	4.62E-05
6.02E-35	0.658061	2.81E-59	0.660105	9.25E-60	0.688739	6.15E-67	0.283342	4.52E-10
3.92E-11	0.61425	8.86E-50	0.454608	3.39E-25	0.491229	9.76E-30	0.169607	0.00023
2.49E-12	0.561637	3.55E-40	0.276655	1.19E-09	0.372296	8.44E-17	0.391799	1.39E-18
1.26E-29	0.756551	8.16E-88	0.317344	2.19E-12	0.546258	1.11E-37	0.172688	0.00018
1.43E-06	0.50999	2.77E-32	0.479382	3.30E-28	0.402155	1.40E-19	0.281777	5.68E-10
9.31E-23	0.631657	2.27E-53	0.574942	1.93E-42	0.630936	3.23E-53	0.311433	5.82E-12
8.46E-15	0.528266	6.36E-35	0.268816	3.58E-09	0.408189	3.54E-20	0.41465	7.87E-21
3.64E-29	0.753136	1.33E-86	0.600071	5.15E-47	0.676563	8.72E-64	0.268778	3.60E-09
1.64E-07	0.681607	4.50E-65	0.270484	2.84E-09	0.390904	1.69E-18	0.082387	0.0753
6.77E-10	0.753547	9.53E-87	0.536249	3.98E-36	0.530267	3.20E-35	0.201945	1.09E-05
7.58E-07	0.538127	2.05E-36	0.35605	2.10E-15	0.358681	1.26E-15	0.378256	2.48E-17
1.68E-17	0.570532	1.11E-41	0.474178	1.49E-27	0.490328	1.28E-29	0.206755	6.64E-06
8.13E-13	0.548797	4.38E-38	0.536247	3.98E-36	0.500326	5.94E-31	0.063855	0.16832
1.44E-40	0.717619	4.48E-75	0.46257	3.88E-26	0.62563	4.22E-52	0.301683	2.78E-11
3.91E-35	0.887256	#####	0.684349	8.77E-66	0.766404	1.99E-91	0.275883	1.33E-09
2.23E-27	0.856989	#####	0.614415	8.21E-50	0.702521	1.07E-70	0.16434	0.00036
9.71E-23	0.810901	#####	0.618973	9.89E-51	0.655237	1.28E-58	0.037547	0.41822
3.01E-19	0.623994	9.23E-52	0.590906	2.67E-45	0.570644	1.07E-41	0.331557	1.91E-13
2.34E-27	0.765483	4.41E-91	0.308783	8.95E-12	0.534399	7.62E-36	0.229693	5.23E-07
7.70E-23	0.672897	7.24E-63	0.355733	2.23E-15	0.523722	2.98E-34	0.392992	1.07E-18
0.01528	0.592264	1.50E-45	0.169332	0.00024	0.266228	5.11E-09	-0.02662	0.56606
0.69812	0.559169	9.11E-40	0.075137	0.10487	0.160883	0.00048	-0.05252	0.25731
7.40E-20	0.83647	#####	0.602813	1.54E-47	0.630471	4.05E-53	0.179082	9.98E-05
0.00132	0.688327	7.91E-67	0.664765	7.12E-61	0.501389	4.26E-31	0.051564	0.26611
3.59E-25	0.77982	1.21E-96	0.583524	5.86E-44	0.648859	3.75E-57	0.1847	5.94E-05

4.84E-08	0.684727	6.99E-66	0.536882	3.18E-36	0.500289	6.01E-31	0.250008	4.36E-08
1.56E-43	0.827558	#####	0.565766	7.21E-41	0.711985	2.08E-73	0.304825	1.69E-11
5.45E-14	0.73973	4.97E-82	0.742784	4.78E-83	0.660469	7.58E-60	0.1456	0.00161
1.77E-31	0.818775	#####	0.604863	6.21E-48	0.68641	2.53E-66	0.167659	0.00027
1.07E-36	0.586554	1.66E-44	0.361072	7.93E-16	0.536763	3.32E-36	0.167124	0.00029
3.57E-11	0.583023	7.20E-44	0.57795	5.73E-43	0.540994	7.40E-37	0.103888	0.02476
4.59E-07	0.652301	6.14E-58	0.463692	2.85E-26	0.457264	1.66E-25	0.333037	1.47E-13
2.43E-23	0.664339	9.02E-61	0.597585	1.52E-46	0.655728	9.87E-59	0.195416	2.11E-05
2.67E-13	0.703085	7.41E-71	0.634789	4.84E-54	0.550689	2.18E-38	0.111909	0.01554
7.52E-10	0.598576	9.88E-47	0.419301	2.61E-21	0.452041	6.73E-25	0.115192	0.01274
1.72E-10	0.505328	1.23E-31	0.318188	1.90E-12	0.382544	1.01E-17	0.088598	0.05572
2.05E-05	0.687772	1.11E-66	0.391332	1.54E-18	0.408319	3.43E-20	0.332363	1.66E-13
3.96E-12	0.678686	2.52E-64	0.375246	4.61E-17	0.435287	5.17E-23	0.208072	5.78E-06
1.37E-34	0.778911	2.81E-96	0.63631	2.27E-54	0.684379	8.61E-66	0.248923	5.01E-08
2.91E-39	0.818645	#####	0.549213	3.76E-38	0.670626	2.65E-62	0.193004	2.68E-05
1.37E-12	0.530975	2.50E-35	0.266845	4.69E-09	0.371028	1.09E-16	0.072566	0.11734
1.92E-39	0.756465	8.76E-88	0.474312	1.43E-27	0.654335	2.08E-58	0.151169	0.00105
3.09E-06	0.640491	2.78E-55	0.455843	2.43E-25	0.428455	2.84E-22	0.307295	1.14E-11
4.21E-26	0.586702	1.56E-44	0.333954	1.25E-13	0.485199	5.96E-29	0.127759	0.0057
1.60E-13	0.638124	9.17E-55	0.425722	5.54E-22	0.496544	1.92E-30	0.155029	0.00077
0.00047	0.51519	5.10E-33	0.386893	4.00E-18	0.345477	1.55E-14	-0.14689	0.00146
4.80E-07	0.642081	1.24E-55	0.448057	1.93E-24	0.448462	1.74E-24	0.375297	4.56E-17
6.89E-17	0.586598	1.63E-44	0.176935	0.00012	0.399494	2.54E-19	0.254726	2.37E-08
0.00013	0.668587	8.39E-62	0.22627	7.78E-07	0.317891	2.00E-12	-0.00177	0.96964
4.50E-34	0.764486	1.04E-90	0.450473	1.02E-24	0.637052	1.57E-54	0.228828	5.79E-07
9.15E-14	0.770127	7.72E-93	0.589272	5.32E-45	0.619042	9.57E-51	0.054505	0.23976
2.77E-17	0.567642	3.47E-41	0.610788	4.32E-49	0.580562	1.98E-43	0.092317	0.04616
5.13E-31	0.703253	6.64E-71	0.565246	8.83E-41	0.699087	9.66E-70	0.38753	3.49E-18
1.59E-08	0.602653	1.65E-47	0.410746	1.96E-20	0.48024	2.57E-28	-0.02034	0.66116
2.05E-13	0.658318	2.45E-59	0.360891	8.22E-16	0.454711	3.30E-25	0.430319	1.79E-22
4.26E-22	0.858249	#####	0.558677	1.10E-39	0.633085	1.13E-53	0.132729	0.00406
3.48E-21	0.778221	5.30E-96	0.41918	2.69E-21	0.560609	5.26E-40	0.202508	1.03E-05
8.41E-11	0.615699	4.54E-50	0.550454	2.38E-38	0.548437	5.00E-38	0.318869	1.70E-12
1.75E-19	0.847011	#####	0.650268	1.79E-57	0.684891	6.33E-66	0.260151	1.16E-08
3.50E-17	0.539889	1.10E-36	0.452575	5.84E-25	0.495781	2.43E-30	0.045001	0.33187
4.42E-25	0.832219	#####	0.543385	3.14E-37	0.64191	1.35E-55	0.220309	1.53E-06
9.20E-27	0.730118	6.37E-79	0.537449	2.61E-36	0.638929	6.12E-55	0.276935	1.14E-09
2.12E-08	0.568634	2.35E-41	0.564998	9.72E-41	0.546559	9.93E-38	0.300793	3.20E-11
1.34E-22	0.729132	1.31E-78	0.297948	4.99E-11	0.467058	1.12E-26	0.185789	5.36E-05
9.77E-27	0.494871	3.21E-30	0.217896	2.00E-06	0.431507	1.33E-22	0.308696	9.08E-12
2.19E-05	0.582814	7.85E-44	0.242665	1.10E-07	0.304516	1.78E-11	0.061698	0.18319
1.63E-20	0.716421	1.02E-74	0.603274	1.26E-47	0.598371	1.08E-46	0.2742	1.69E-09
9.42E-44	0.825331	#####	0.560236	6.07E-40	0.707477	4.19E-72	0.250948	3.87E-08
5.57E-45	0.856805	#####	0.760021	4.57E-89	0.78649	2.25E-99	0.237219	2.14E-07
6.91E-07	0.465187	1.88E-26	0.384499	6.67E-18	0.373465	6.65E-17	0.396318	5.15E-19

1.82E-18	0.664456	8.45E-61	0.711357	3.17E-73	0.645327	2.35E-56	0.236309	2.39E-07
1.67E-30	0.694567	1.68E-68	0.287838	2.32E-10	0.493721	4.57E-30	0.224558	9.46E-07
2.60E-37	0.728116	2.72E-78	0.671263	1.84E-62	0.720771	5.02E-76	0.359899	9.97E-16
3.91E-16	0.63827	8.53E-55	0.461841	4.74E-26	0.553453	7.83E-39	0.15076	0.00108
2.53E-06	0.489783	1.51E-29	0.261291	9.97E-09	0.340073	4.17E-14	0.014903	0.74805
2.33E-18	0.740603	2.55E-82	0.6291	7.90E-53	0.636991	1.62E-54	0.02608	0.57399
7.81E-14	0.511599	1.64E-32	0.389843	2.12E-18	0.420295	2.06E-21	0.170433	0.00022
6.48E-25	0.633429	9.50E-54	0.442278	8.70E-24	0.59045	3.24E-45	0.332695	1.56E-13
9.22E-21	0.540087	1.02E-36	0.271301	2.53E-09	0.438585	2.24E-23	0.202627	1.02E-05
7.69E-21	0.697299	3.01E-69	0.6246	6.91E-52	0.629609	6.17E-53	0.149657	0.00118
3.94E-09	0.737476	2.74E-81	0.326291	4.79E-13	0.412249	1.38E-20	0.197992	1.63E-05
1.64E-10	0.759344	8.05E-89	0.744941	8.97E-84	0.617323	2.14E-50	0.112242	0.01524
6.25E-22	0.525009	1.93E-34	0.292294	1.19E-10	0.459729	8.46E-26	0.211459	4.03E-06
1.00E-05	0.528338	6.21E-35	0.454002	3.99E-25	0.395916	5.63E-19	-0.11944	0.00978
4.70E-54	0.806098	#####	0.58295	7.42E-44	0.740942	1.97E-82	0.324018	7.08E-13
3.35E-10	0.61495	6.42E-50	0.485446	5.54E-29	0.514642	6.10E-33	0.005194	0.91087
9.03E-20	0.650003	2.06E-57	0.374342	5.55E-17	0.529162	4.68E-35	0.159455	0.00054
3.39E-09	0.689684	3.45E-67	0.565759	7.23E-41	0.558014	1.41E-39	0.165517	0.00033
0.60378	0.550424	2.41E-38	0.379957	1.74E-17	0.30568	1.47E-11	0.042879	0.35519
0.95074	-0.05938	0.20024	0.024591	0.59606	-0.01106	0.81159	0.026357	0.56993
0.97302	-0.1856	5.46E-05	0.013158	0.77672	-0.04707	0.31013	-0.05128	0.26873
0.09972	-0.10138	0.02847	-0.16626	0.00031	-0.14119	0.00223	0.016037	0.72961
0.23576	-0.04526	0.32909	-0.0066	0.88688	0.0254	0.58402	0.028525	0.53862
0.67987	-0.02255	0.62692	-0.07182	0.12119	-0.01416	0.76024	0.03882	0.40261
0.23991	0.006373	0.89074	0.041414	0.37188	0.075442	0.10347	0.004615	0.92077
0.0072	-0.01191	0.79746	0.012647	0.78517	0.075616	0.10267	0.097023	0.03608
0.20535	-0.04661	0.31482	-0.05739	0.21579	-0.04009	0.3874	-0.00905	0.84533
0.97827	-0.07977	0.08508	-0.06654	0.15109	-0.05121	0.26941	0.07899	0.08818
0.03748	-0.10934	0.0181	-0.11824	0.01055	-0.13156	0.0044	-0.08907	0.05442
0.258	0.065042	0.16053	-0.08127	0.07935	-0.03576	0.44073	-0.10727	0.02042
0.00549	-0.22522	8.78E-07	-0.19995	1.34E-05	-0.21717	2.17E-06	-0.05141	0.26755
0.2083	0.03936	0.39609	0.060889	0.18901	0.077004	0.0965	-0.08199	0.0767
0.45833	-0.11751	0.01104	-0.13208	0.00425	-0.11587	0.01222	-0.01465	0.75225
0.77622	-0.02357	0.61136	0.014745	0.75063	-0.00482	0.91726	-0.02104	0.65015
0.21503	-0.06166	0.18345	-0.06535	0.15852	-0.07316	0.11437	-0.02685	0.56273
0.21359	-0.05493	0.23614	-0.01119	0.80946	0.043292	0.35058	-0.11405	0.01366
0.97742	-0.03349	0.47028	-0.02642	0.56907	-0.0175	0.70603	0.014601	0.75299
0.75026	0.046822	0.31265	-0.00233	0.95994	0.023448	0.61326	-0.04592	0.32205
0.04563	0.049175	0.28893	0.054308	0.24147	0.091442	0.04828	0.007177	0.87707
0.01308	-0.09603	0.03803	-0.08793	0.05759	-0.11461	0.0132	-0.0838	0.07042
0.96305	-0.05042	0.27684	-0.05098	0.27155	-0.03776	0.4156	0.010352	0.82345
0.05511	0.008911	0.8477	0.008636	0.85234	0.052915	0.25377	0.022016	0.63511
0.40771	0.016985	0.71429	-0.0067	0.88518	0.019498	0.67428	-0.00019	0.99676
0.37854	-0.02539	0.58418	0.007211	0.87649	0.002735	0.953	-0.02526	0.58615
0.00013	0.061156	0.18707	0.111938	0.01551	0.150829	0.00108	0.054942	0.23601

0.01547	-0.20777	5.97E-06	-0.16207	0.00044	-0.18681	4.86E-05	-0.15626	0.0007
0.54925	0.001588	0.9727	0.021909	0.63676	0.031295	0.4999	0.033301	0.47282
0.18262	0.151202	0.00105	0.112403	0.01509	0.118381	0.01046	0.090331	0.05108
0.43035	-0.04982	0.28268	0.039146	0.39866	0.041536	0.37047	-0.00345	0.94076
0.14812	-0.09529	0.03956	-0.06813	0.14152	-0.07851	0.09015	-0.02183	0.63793
0.40027	0.009637	0.83546	-0.01589	0.73191	0.014731	0.75086	-0.02181	0.63833
0.00027	-0.26961	3.21E-09	-0.24888	5.04E-08	-0.2652	5.88E-09	-0.0795	0.08616
0.95398	-0.03957	0.39355	-0.06654	0.15112	-0.05143	0.2674	-0.02788	0.54783
0.17678	0.12467	0.00699	0.021845	0.63774	0.075634	0.10259	-0.03826	0.40944
0.26145	-0.12027	0.00928	0.011918	0.79728	-0.02698	0.56085	-0.11275	0.01477
0.05703	0.06257	0.17706	0.072826	0.11603	0.069652	0.13284	0.018179	0.69518
0.44158	-0.00867	0.85169	0.027322	0.55589	0.019486	0.67448	-0.00689	0.88187
0.14895	-0.03646	0.43179	0.041577	0.37001	0.029539	0.52427	-0.03871	0.4039
0.02428	0.00546	0.90632	0.102722	0.02643	0.108058	0.0195	0.043149	0.35216
0.82045	0.013389	0.77291	0.010357	0.82336	0.030647	0.50882	0.039666	0.39242
0.53452	-0.03368	0.46777	-0.0237	0.60945	0.004065	0.93019	-0.00545	0.90642
0.09351	-0.12634	0.00626	-0.10718	0.02053	-0.09683	0.03645	-0.2303	4.87E-07
7.52E-05	-0.30077	3.21E-11	-0.27111	2.60E-09	-0.28291	4.82E-10	-0.33549	9.51E-14
0.26322	-0.04041	0.3836	-0.01864	0.68791	-0.04488	0.33317	0.013552	0.77021
0.9868	-0.1473	0.00141	0.004292	0.9263	-0.01797	0.69854	-0.00497	0.91471
0.13346	-0.05151	0.26663	-0.01356	0.77007	-0.05181	0.26381	0.000493	0.99152
0.96388	-0.04272	0.35693	-0.06928	0.13494	-0.05112	0.27028	-0.00393	0.93255
0.17041	-0.04538	0.32778	-0.07549	0.10324	-0.07113	0.1248	0.029317	0.5274
0.1041	-0.02944	0.52564	-0.0285	0.539	-0.06442	0.16458	-0.00261	0.95519
0.50021	-0.04387	0.34422	-0.08646	0.06192	-0.05807	0.21037	-0.0014	0.97601
0.35784	-0.12679	0.00607	-0.15633	0.0007	-0.1143	0.01345	-0.14602	0.00156
0.03246	-0.07977	0.08507	-0.06777	0.14369	-0.08757	0.05864	-0.03484	0.45254
0.02403	-0.07955	0.08592	0.082844	0.07369	0.088643	0.05559	0.031121	0.50229
0.01135	0.127472	0.00581	0.085385	0.06524	0.132486	0.00413	0.072198	0.11922
0.15853	-0.01776	0.70185	-0.00746	0.87229	0.019105	0.68049	0.149986	0.00115
0.04667	-0.14152	0.00217	-0.1061	0.02184	-0.11815	0.0106	-0.20079	1.23E-05
0.90168	-0.1209	0.00892	-0.07214	0.11949	-0.08445	0.06826	0.137663	0.00287
0.15777	-0.05125	0.26903	-0.04107	0.37584	0.000562	0.99033	0.015156	0.74393
0.04002	-0.14921	0.00122	-0.08443	0.06833	-0.11747	0.01107	-0.03929	0.39691
0.25027	0.000234	0.99597	-0.02469	0.59457	2.76E-05	0.99953	0.050644	0.27474
0.28626	-0.15972	0.00053	-0.10034	0.03015	-0.10092	0.02921	0.00897	0.84671
0.64352	-0.03339	0.47158	-0.03902	0.40019	-0.03066	0.50871	0.03402	0.4633
0.33225	-0.09234	0.0461	-0.05869	0.20555	-0.06099	0.18829	-0.03124	0.50062
0.12111	-0.13452	0.00359	-0.21289	3.46E-06	-0.16864	0.00025	-0.00122	0.97907
0.05776	-0.19158	3.08E-05	0.027914	0.54735	-0.01277	0.78321	-0.02377	0.60837
0.04498	-0.13199	0.00427	-0.10092	0.02922	-0.11385	0.01383	-0.03743	0.41968
0.89961	-0.00297	0.94902	0.037432	0.41965	0.015939	0.73119	-0.03702	0.42481
0.02104	0.066245	0.15292	0.151966	0.00099	0.147684	0.00137	0.049725	0.28356
0.12955	-0.05765	0.21365	-0.08599	0.06337	-0.10656	0.02126	0.121684	0.00848
0.68344	0.046232	0.3188	0.060548	0.1915	0.042441	0.36014	0.035714	0.44132

0.61231	-0.05704	0.21857	-0.01279	0.7828	-0.01606	0.72925	-0.02732	0.55599
0.65165	0.008982	0.8465	-0.00563	0.90334	0.026511	0.56768	0.010877	0.81464
0.18538	-0.03725	0.42192	-0.05311	0.252	-0.03998	0.3887	-0.03004	0.5172
0.87796	-0.0174	0.70765	0.01732	0.70891	0.016839	0.71664	-0.18186	7.73E-05
0.31674	-0.04766	0.30401	0.012352	0.79006	0.015496	0.73838	0.065028	0.16062
0.00047	0.10867	0.01882	0.209136	5.17E-06	0.185567	5.47E-05	0.017431	0.70714
0.13059	0.032589	0.48233	0.057331	0.21622	0.070108	0.13032	0.048295	0.29766
0.23043	-0.08491	0.06676	0.002116	0.96363	0.030161	0.51557	0.005665	0.90282
0.31759	0.001768	0.9696	-0.03154	0.49661	0.007923	0.86441	0.043031	0.35349
0.15353	-0.26959	3.21E-09	-0.19926	1.44E-05	-0.18663	4.95E-05	-0.18106	8.33E-05
0.00396	0.054884	0.2365	0.102054	0.02744	0.126978	0.006	-0.0485	0.29559
5.43E-05	-0.22423	9.82E-07	-0.19409	2.41E-05	-0.21178	3.90E-06	-0.04151	0.37072
0.7734	-0.03913	0.39889	-0.07497	0.10565	-0.0319	0.49168	-0.07865	0.08956
0.57361	-0.03687	0.42669	-0.02786	0.54806	-0.01387	0.76497	0.016716	0.71862
0.41654	0.046727	0.31363	-0.04537	0.32794	-0.00252	0.95664	0.039181	0.39825
0.33481	-0.00776	0.86718	-0.05686	0.22007	-0.05411	0.24323	-0.04175	0.36799
0.26503	0.058655	0.20579	0.063955	0.16765	0.076952	0.09672	0.042704	0.35716
0.68582	-0.05334	0.24998	-0.06269	0.17623	-0.03686	0.42682	-0.01759	0.7046
0.00914	0.130695	0.00467	0.129047	0.00522	0.149447	0.0012	-0.1141	0.01362
0.95049	-0.06344	0.17109	0.016212	0.72676	0.004331	0.92563	-0.01546	0.73898
0.86969	-0.12204	0.00829	-0.04038	0.38395	-0.05291	0.25386	-0.00661	0.88674
0.27683	0.085713	0.06421	0.064746	0.16245	0.078153	0.09161	0.091863	0.04725
0.0003	0.069247	0.13512	0.157274	0.00065	0.162283	0.00043	0.060239	0.19378
0.9778	-0.16523	0.00034	-0.05423	0.24217	-0.07057	0.12778	-0.0237	0.6095
0.40874	-0.03353	0.46982	-0.07734	0.09506	-0.05713	0.21781	-0.12306	0.00776
0.33386	-0.09837	0.03357	-0.0393	0.39679	-0.04317	0.35192	-0.08929	0.05383
0.60587	0.008776	0.84998	-0.019	0.68207	0.001736	0.97016	-0.01575	0.73426
0.90718	-0.07599	0.10096	-0.07367	0.11183	-0.06006	0.19512	-0.02943	0.52581
0.0236	-0.16952	0.00023	-0.04984	0.2825	-0.05974	0.19751	-0.00853	0.85407
0.00092	-0.03953	0.39406	0.123675	0.00746	0.108803	0.01868	-0.02545	0.5833
0.51492	-0.14014	0.0024	-0.06611	0.15376	-0.05755	0.21447	0.021206	0.64761
0.67305	-0.24599	7.26E-08	-0.15334	0.00089	-0.12819	0.00553	-0.00101	0.98258
0.27705	-0.04686	0.31226	-0.04559	0.32552	-0.02576	0.57871	-0.01008	0.82799
0.01427	-0.13447	0.0036	-0.16927	0.00024	-0.16683	0.00029	-0.0535	0.24855
0.92058	0.005232	0.91021	0.018255	0.69398	0.03569	0.44163	0.012632	0.78542
0.32497	0.003365	0.94218	-0.00791	0.86471	0.023347	0.61479	-0.00882	0.84924
0.20076	-0.04972	0.28363	0.044277	0.33971	0.017133	0.71192	-0.08148	0.07857
0.00782	0.069664	0.13278	0.046487	0.31613	0.090248	0.05129	0.057361	0.21598
2.57E-05	-0.00065	0.98887	0.136413	0.00314	0.153504	0.00087	0.018458	0.69074
0.09994	-0.02882	0.53447	0.0243	0.60041	0.034324	0.45931	0.004588	0.92124
0.99693	0.019839	0.66893	0.014304	0.75785	0.044315	0.3393	0.101054	0.029
0.0316	-0.18856	4.12E-05	-0.19102	3.25E-05	-0.15408	0.00084	-0.00775	0.8673
0.03315	0.037473	0.41914	0.116472	0.01178	0.113936	0.01375	0.027556	0.55251
0.16456	-0.05822	0.20918	-0.01799	0.69815	-0.0318	0.49306	-0.00695	0.88091
0.31643	-0.06893	0.13692	-0.10802	0.01955	-0.09889	0.03264	-0.01179	0.79939

0.85454	-0.09703	0.03606	-0.10965	0.01777	-0.09232	0.04617	-0.0141	0.76124
2.41E-06	0.027827	0.5486	0.08694	0.06048	0.146803	0.00147	0.014031	0.76234
0.00087	-0.02658	0.56665	-0.00501	0.91409	0.083408	0.07174	0.079494	0.08616
0.11178	-0.22309	1.12E-06	-0.18757	4.53E-05	-0.16704	0.00029	-0.35409	3.06E-15
0.19624	-0.09321	0.04409	-0.00764	0.86916	0.025103	0.58843	-0.03976	0.39129
5.85E-05	0.042553	0.35887	0.176233	0.00013	0.18555	5.48E-05	0.028263	0.54236
0.43107	-0.02351	0.61226	0.002314	0.96023	0.001091	0.98124	0.00014	0.99759
0.03157	0.025368	0.5845	-0.00661	0.88672	0.025772	0.57853	0.212933	3.44E-06
0.04964	0.213515	3.23E-06	0.172639	0.00018	0.152602	0.00094	0.188193	4.27E-05
0.14672	-0.14626	0.00153	-0.05453	0.23958	-0.0946	0.041	-0.12254	0.00803
0.34442	-0.02369	0.60954	-0.03322	0.47382	-0.04672	0.31372	0.008999	0.84621
0.90173	-0.06261	0.17679	-0.0226	0.62616	-0.0446	0.33621	-0.07168	0.1219
0.60661	-0.04442	0.33816	-0.04262	0.35806	-0.062	0.18105	-0.03151	0.49697
0.1262	-0.10541	0.02271	-0.09486	0.04046	-0.10566	0.02239	-0.0382	0.41023
0.00428	0.050833	0.27296	0.071898	0.12076	0.079009	0.0881	0.00896	0.84687
0.11287	-0.06713	0.14747	-0.05672	0.22117	-0.08292	0.07341	-0.00113	0.98057
0.01894	0.02813	0.54425	0.071686	0.12187	0.113123	0.01445	0.042389	0.36072
0.0058	-0.27869	8.88E-10	-0.06971	0.13253	-0.05903	0.20286	0.093571	0.04327
0.04289	-0.15275	0.00093	-0.11345	0.01416	-0.1194	0.00981	-0.17733	0.00012
0.02047	-0.02612	0.57342	0.068385	0.14006	0.064726	0.16258	0.026675	0.56528
0.30256	-0.01157	0.80305	-0.07418	0.10939	-0.03479	0.45328	0.009395	0.83954
0.03026	0.025505	0.58247	-0.02203	0.63485	0.040296	0.38494	0.053787	0.24602
0.25	0.128963	0.00525	0.109296	0.01814	0.090381	0.05095	0.019413	0.67563
0.13941	-0.13399	0.00372	-0.0353	0.44667	-0.00522	0.91034	0.019532	0.67375
0.00064	-0.2443	8.97E-08	-0.20318	9.64E-06	-0.23518	2.73E-07	-0.04659	0.31501
0.00128	0.012176	0.79299	-0.0031	0.94675	0.072457	0.1179	0.112663	0.01485
0.2751	0.010169	0.82651	0.00598	0.89745	0.029467	0.52528	0.029757	0.52122
0.5299	-0.01428	0.75825	0.068946	0.13682	0.064836	0.16186	-0.0546	0.23896
0.52267	-0.10713	0.02058	-0.12815	0.00555	-0.08082	0.08104	0.084984	0.06652
0.87675	-0.03306	0.47604	-0.01557	0.73711	-0.02178	0.6388	-0.05793	0.21149
0.0003	-0.25179	3.47E-08	-0.24259	1.11E-07	-0.25776	1.59E-08	-0.07282	0.11609
0.34098	0.082483	0.07496	0.058914	0.20379	0.020968	0.65129	0.149895	0.00116
0.10447	-0.07787	0.09281	-0.05584	0.22843	-0.08614	0.0629	0.009591	0.83623
0.52477	-0.05158	0.26599	-0.05423	0.24215	-0.05748	0.21501	-2.93E-05	0.9995
0.4096	-0.11636	0.01186	-0.12917	0.00518	-0.10334	0.02554	-0.01305	0.77853
0.6683	-0.16722	0.00028	-0.07072	0.127	-0.08629	0.06244	0.123395	0.00759
0.89824	-0.02092	0.65207	-0.00155	0.97333	0.017099	0.71246	0.101324	0.02857
0.93966	0.038624	0.40499	-0.05551	0.23123	-0.00607	0.89598	0.036512	0.43118
0.25291	-0.08024	0.08324	-0.08868	0.05548	-0.08073	0.08136	-0.0268	0.5635
0.9837	-0.13323	0.00392	-0.04208	0.36421	-0.03576	0.4408	-0.01565	0.73587
0.69897	0.032692	0.48095	-0.01295	0.7801	0.008721	0.8509	-0.06231	0.17888
0.10536	-0.10373	0.02498	-0.09794	0.03436	-0.09527	0.0396	-0.01222	0.79229
7.28E-05	-0.23116	4.40E-07	-0.21292	3.45E-06	-0.2303	4.87E-07	-0.08162	0.07806
0.11185	-0.0535	0.24852	-0.09254	0.04564	-0.08753	0.05874	-0.13491	0.00349
0.19889	-0.1169	0.01146	-0.11359	0.01405	-0.11133	0.01609	-0.08075	0.08129



0.14876	-0.11582	0.01225	-0.04384	0.34448	-0.10367	0.02507	-0.11835	0.01047
0.01194	-0.16319	0.0004	-0.13955	0.00251	-0.16455	0.00036	-0.12534	0.00669
0.93207	0.008881	0.84821	0.031976	0.49062	0.018479	0.6904	0.028949	0.5326
0.17708	0.062658	0.17645	0.059588	0.19865	0.066717	0.15001	0.124927	0.00687
0.10073	0.139871	0.00245	0.10074	0.0295	0.111139	0.01627	0.087727	0.05818
0.41669	-0.0118	0.79928	0.072391	0.11823	0.052136	0.26084	0.002602	0.95527
0.64856	0.019413	0.67563	0.021421	0.64429	0.045233	0.32937	0.003194	0.94512
0.00147	-0.14211	0.00208	-0.05541	0.23202	-0.01917	0.67953	0.001155	0.98015
0.58302	-0.05115	0.26996	-0.0636	0.17004	-0.04608	0.32034	0.00255	0.95617
0.58737	0.007634	0.86932	0.007263	0.87561	0.018627	0.68806	0.015545	0.73759
0.00405	-0.04039	0.38385	0.043261	0.35092	0.083731	0.07064	0.035193	0.44802
0.66166	-0.04255	0.35886	-0.00961	0.83586	-0.00672	0.88491	0.021274	0.64656
0.9225	-0.05446	0.24011	-0.04555	0.32598	-0.02023	0.66274	-0.00242	0.95841
0.01185	0.062214	0.17954	0.023815	0.60772	0.082689	0.07423	0.044187	0.3407
0.11166	-0.03469	0.45449	0.023382	0.61426	0.02901	0.53174	0.012465	0.7882
0.64337	-0.06722	0.14697	-0.08545	0.06503	-0.06166	0.18342	-0.07089	0.12606
0.44569	-0.12184	0.0084	-0.13473	0.00353	-0.12539	0.00666	-0.0262	0.57223
0.47516	0.022862	0.62216	-0.00544	0.90668	0.021309	0.64601	0.025616	0.58083
0.06124	-0.05201	0.26201	0.102986	0.02605	0.067862	0.14312	-0.01535	0.7408
0.01317	0.027311	0.55604	-0.03109	0.50278	0.048592	0.29469	0.015979	0.73054
0.10425	-0.0084	0.85635	-0.028	0.54615	0.025886	0.57685	0.046638	0.31456
0.03568	0.066596	0.15075	0.029936	0.5187	0.094181	0.04192	0.049867	0.28219
0.65936	-0.05445	0.24022	-0.07377	0.11139	-0.07174	0.12158	0.009412	0.83926
0.52591	-0.05122	0.26936	-0.04256	0.35877	-0.04763	0.30433	-0.00173	0.97026
0.71216	0.004584	0.92129	-0.06263	0.17663	-0.01474	0.75067	-0.02459	0.59604
0.35295	-0.12417	0.00722	-0.06358	0.17015	-0.07972	0.08527	-0.06121	0.1867
0.91446	-0.03123	0.50075	-0.02882	0.53436	-0.04202	0.36495	0.010827	0.81549
0.00869	-0.19339	2.58E-05	-0.16831	0.00026	-0.18449	6.06E-05	-0.06528	0.15898
6.34E-05	-0.18916	3.89E-05	-0.25864	1.42E-08	-0.2525	3.17E-08	-0.1222	0.0082
0.75119	-0.29196	1.25E-10	-0.14727	0.00142	-0.16807	0.00026	-0.01177	0.79971
0.71404	0.129234	0.00516	0.13429	0.00364	0.076544	0.09851	0.087762	0.05808
0.09223	-0.06224	0.17935	-0.16623	0.00031	-0.09591	0.03828	-0.28287	4.84E-10
0.01257	-0.1201	0.00938	-0.11512	0.01279	-0.12696	0.00601	-0.06452	0.16393
0.16066	0.005102	0.91243	-0.04532	0.32849	0.008949	0.84705	-0.01531	0.74135
0.38318	-0.00865	0.85217	-0.02199	0.63549	-0.02571	0.57948	0.049916	0.28172
0.90569	-0.13138	0.00446	-0.11889	0.01013	-0.11143	0.01599	0.001922	0.96696
0.89308	-0.13038	0.00477	-0.14655	0.00149	-0.10515	0.02305	-0.01798	0.69833
0.00597	-0.02901	0.53172	0.125125	0.00678	0.139348	0.00254	-0.00914	0.84379
0.00408	0.00462	0.92069	0.121981	0.00832	0.13537	0.00338	0.032357	0.48546
0.0942	-0.04527	0.32901	0.097304	0.03554	0.091989	0.04695	-0.02639	0.56951
0.00155	-0.2369	2.22E-07	-0.20961	4.91E-06	-0.19939	1.42E-05	-0.167	0.00029
0.12382	-0.0401	0.38732	-0.01291	0.78087	-0.04668	0.31414	-0.04065	0.38074
0.72877	0.00108	0.98144	-0.03298	0.4771	-0.01015	0.82687	-0.03582	0.44001
0.27787	-0.21585	2.51E-06	-0.11979	0.00957	-0.07198	0.12036	0.000432	0.99257
0.0693	0.060542	0.19155	0.071227	0.12428	0.092222	0.04639	0.104583	0.02381

0.14852	0.012136	0.79366	0.010278	0.8247	0.024416	0.59868	0.007118	0.87808
0.10548	0.099076	0.03231	0.004507	0.92261	0.06237	0.17846	0.162083	0.00044
0.05286	-0.01231	0.79083	0.011889	0.79777	0.071452	0.12309	0.035053	0.44983
0.02971	-0.13377	0.00378	-0.00219	0.96237	-0.00107	0.9816	0.032953	0.47746
0.93926	-0.01779	0.70134	-0.08726	0.05954	-0.05604	0.22678	-0.04283	0.35578
0.98175	-0.00193	0.9668	-0.01703	0.71357	-0.00806	0.86217	0.015193	0.74332
0.92639	0.028743	0.53552	-0.04484	0.33358	0.005204	0.9107	-0.04776	0.30307
0.59318	-0.02517	0.5874	-0.03932	0.3966	-0.02469	0.59454	-0.01086	0.81494
0.1013	-0.17316	0.00017	-0.13187	0.00431	-0.11803	0.01069	-0.05612	0.22612
0.20691	0.023921	0.60611	0.002671	0.95409	0.028564	0.53807	-0.1683	0.00026
0.67155	-0.15854	0.00058	-0.1098	0.01761	-0.10162	0.02811	-0.18366	6.54E-05
0.12969	-0.11152	0.0159	0.02556	0.58166	0.010754	0.8167	-0.0217	0.63991
0.20147	0.051955	0.26249	0.013059	0.77835	0.051337	0.26822	0.058742	0.20511
0.90239	-0.01063	0.81883	-0.02126	0.64682	-0.01211	0.79417	0.039728	0.39169
0.33579	-0.0049	0.91583	-0.01123	0.8088	-0.02218	0.63253	-0.10059	0.02974
1.03E-07	-0.21516	2.70E-06	-0.26719	4.48E-09	-0.26816	3.92E-09	-0.34626	1.34E-14
0.98007	0.05797	0.21114	-0.03235	0.48553	0.007012	0.87988	0.000999	0.98281
0.54626	0.055697	0.22962	-0.01891	0.68357	0.035485	0.44426	0.008212	0.85952
0.01565	0.092233	0.04636	0.023896	0.60649	0.079329	0.08682	0.038175	0.41047
0.02367	0.038493	0.40658	0.01808	0.69675	0.070762	0.12676	0.03787	0.41423
0.02216	0.022323	0.63039	-0.01907	0.68097	0.046034	0.32087	0.021633	0.64101
0.15807	-0.018	0.69805	-0.00913	0.84407	0.033924	0.46456	0.021543	0.64239
0.00451	0.056208	0.22537	0.030133	0.51596	0.076326	0.09947	0.021988	0.63554
0.76495	-0.0059	0.89882	-0.02853	0.5385	-0.00319	0.94523	-0.01111	0.81078
0.02632	0.027267	0.55668	-0.02829	0.54196	0.030144	0.51582	0.023296	0.61556
0.00472	0.049062	0.29004	-0.00818	0.86014	0.052653	0.25613	0.023631	0.61049
0.3952	-0.04487	0.33329	-0.06309	0.17348	-0.02124	0.64701	-0.02542	0.58373
0.64601	-0.0489	0.29168	-0.05586	0.22828	-0.02501	0.58989	-0.01271	0.78411
0.20393	0.050814	0.27314	-0.03155	0.49635	0.019221	0.67866	-0.04666	0.31433
0.52993	-0.01986	0.66861	-0.04353	0.34797	-0.02968	0.52225	0.036876	0.42659
0.42645	-0.05097	0.27163	-0.0514	0.2676	-0.05609	0.22636	0.032288	0.48639
0.36855	-0.15487	0.00078	-0.09684	0.03643	-0.09149	0.04816	-0.00997	0.82984
0.05545	-0.0379	0.41384	-0.00619	0.89382	0.038972	0.40076	0.121378	0.00865
0.29943	-0.03909	0.3994	0.032319	0.48597	0.037433	0.41964	0.074307	0.10878
0.41823	0.024075	0.60379	-0.01667	0.71933	0.012843	0.78193	0.011117	0.81063
0.26078	0.022791	0.62324	0.001137	0.98045	0.027136	0.55858	0.038012	0.41247
0.00104	0.080749	0.0813	0.048108	0.29953	0.108285	0.01925	0.070454	0.12843
0.53994	-0.033	0.47683	-0.06856	0.13906	-0.0462	0.31915	0.038577	0.40556
0.23766	-0.0188	0.68533	0.015917	0.73155	0.014425	0.75587	0.029095	0.53053
0.68839	0.007233	0.87611	0.029353	0.52689	0.029862	0.51975	-0.00467	0.91989
0.29841	0.001761	0.96973	0.000184	0.99684	-0.02154	0.64249	0.017587	0.70463
0.61929	-0.01993	0.66755	-0.00383	0.93423	0.006891	0.88193	0.010142	0.82697
0.24246	0.022046	0.63465	-0.01943	0.67543	0.032517	0.4833	0.031608	0.49562
0.87552	-0.09545	0.03923	-0.04885	0.29217	-0.04632	0.31784	-0.04156	0.3702
0.16716	0.035572	0.44314	0.011526	0.8038	0.036464	0.43179	0.049653	0.28426

0.31811	-0.02558	0.58142	-0.01893	0.68319	0.003288	0.94351	0.132365	0.00417
0.34223	-0.058	0.21092	-0.05358	0.24783	-0.05768	0.21346	0.008397	0.85638
0.00013	-0.09434	0.04158	-0.05775	0.21285	-0.13328	0.00391	-0.02331	0.61534
0.19253	-0.16218	0.00043	-0.14301	0.00195	-0.14749	0.00139	-0.03255	0.48287
0.44831	0.022289	0.63092	0.014889	0.74828	-0.01105	0.8117	-0.03902	0.40015
0.39712	0.024014	0.60471	0.026807	0.56337	0.027758	0.5496	0.020301	0.66169
0.54275	-0.0778	0.09307	-0.11251	0.01499	-0.02884	0.5341	0.018824	0.68494
0.64167	-0.02791	0.54745	-0.0359	0.43898	-0.01096	0.8133	-0.02844	0.53982
0.71588	-0.00148	0.9746	0.007882	0.86511	0.002385	0.959	-0.07399	0.1103
0.11258	0.052615	0.25648	0.043768	0.3453	0.089361	0.05363	0.044008	0.34266
0.4814	0.013203	0.77597	0.018693	0.68701	-0.02867	0.53649	0.085807	0.06392
0.02907	-0.14034	0.00237	-0.13915	0.00258	-0.13619	0.00319	-0.04535	0.32809
0.73677	-0.08403	0.06963	-0.05424	0.24208	-0.05611	0.2262	0.015953	0.73096
0.86294	-0.056	0.22713	-0.0181	0.6964	-0.04052	0.3823	-0.01673	0.71842
0.82383	-0.10778	0.01982	-0.05201	0.26199	-0.04909	0.28972	-0.02902	0.53153
0.87287	0.050034	0.28057	0.041898	0.36632	0.037109	0.42368	-0.00644	0.8896
0.89327	0.022735	0.6241	-0.02128	0.64652	0.024483	0.59768	0.048778	0.29284
0.60088	-0.05317	0.25147	-0.0338	0.46623	-0.01953	0.67373	-0.20636	6.92E-06
0.93285	-0.03518	0.44814	0.018204	0.69479	-0.01301	0.77912	-0.07168	0.12191
0.68733	-0.02289	0.62175	-0.02612	0.57339	-0.01476	0.7504	-0.08544	0.06508
0.91188	-0.04504	0.3314	0.00059	0.98985	0.008657	0.85199	-0.05191	0.26294
0.06319	-0.19397	2.44E-05	-0.37698	3.22E-17	-0.26794	4.04E-09	-0.17318	0.00017
0.04252	-0.16614	0.00031	-0.10256	0.02668	-0.12129	0.0087	-0.10623	0.02168
0.34889	-0.0274	0.55471	-0.08675	0.06105	-0.01105	0.81175	-0.05268	0.25585
0.64649	-0.06604	0.15421	-0.05721	0.21719	-0.07194	0.12052	-0.01374	0.76719
0.45819	-0.04508	0.33103	-0.04869	0.2937	-0.05459	0.23905	-0.06081	0.18955
0.46562	0.022306	0.63065	0.002031	0.96509	0.014104	0.76113	0.027702	0.5504
0.0148	-0.26934	3.33E-09	-0.13713	0.00298	-0.20842	5.58E-06	-0.08685	0.06074
0.24215	-0.09027	0.05122	-0.06869	0.13832	-0.05166	0.26525	-0.02052	0.65831
0.88293	-0.10471	0.02364	-0.10445	0.02398	-0.06396	0.16765	-0.0182	0.69488
0.89705	-0.02391	0.60634	-0.03714	0.42334	-0.0108	0.81602	0.007461	0.87225
0.13671	-0.01448	0.75505	0.056989	0.21898	0.056737	0.22103	-0.13207	0.00425
0.11792	-0.22801	6.36E-07	-0.15664	0.00068	-0.17177	0.00019	-0.13344	0.00387
0.01511	-0.03977	0.39119	-0.07637	0.09928	-0.08075	0.08131	0.008331	0.8575
0.87203	-0.00591	0.89862	0.008744	0.85052	0.017682	0.70312	-0.04558	0.32569
0.86814	-0.01535	0.74069	0.009108	0.84437	-0.00959	0.83631	0.00215	0.96304
0.00153	0.00017	0.99707	0.048134	0.29927	0.09027	0.05124	0.033529	0.46978
0.11966	0.053748	0.24636	0.066836	0.14928	0.063278	0.1722	0.031172	0.50159
0.44779	-0.08087	0.08085	-0.07468	0.107	-0.06587	0.15523	0.023904	0.60637
0.90182	-0.00876	0.85021	-0.01964	0.67204	0.003596	0.93822	0.035755	0.44079
0.84903	0.018257	0.69394	0.040919	0.37763	0.032063	0.48943	0.001855	0.96811
0.38252	-0.05111	0.27034	0.009524	0.83736	0.031407	0.49837	0.054501	0.2398
0.82494	-0.01351	0.7709	0.006552	0.88771	0.001694	0.97088	0.024461	0.59801
0.02511	-0.08975	0.05259	-0.10546	0.02265	-0.09759	0.035	-0.04768	0.3039
0.7851	0.022608	0.62604	0.031495	0.49716	0.024614	0.59572	-0.25074	3.97E-08

0.71504	-0.07139	0.12342	-0.03099	0.50411	-0.01394	0.76382	-0.0129	0.78091
0.01499	-0.01762	0.70404	0.060768	0.18989	0.073113	0.1146	-0.0693	0.13481
0.56436	0.016061	0.72921	0.012619	0.78564	0.033759	0.46675	-0.00398	0.93166
0.11725	-0.29631	6.42E-11	-0.01794	0.69897	-0.02654	0.56728	0.01425	0.75873
0.34182	-0.21725	2.15E-06	-0.13631	0.00316	-0.17257	0.00018	-0.15098	0.00107
0.76995	-0.05248	0.25771	0.021319	0.64586	0.004658	0.92004	0.019687	0.67131
0.57723	-0.08476	0.06726	-0.01625	0.7262	-0.00436	0.92509	0.012601	0.78594
0.59315	0.037319	0.42105	0.107838	0.01976	0.028942	0.5327	-0.03296	0.47733
0.45866	-0.04735	0.30726	-0.02375	0.60875	0.027521	0.55302	0.00603	0.89659
0.94066	-0.01554	0.73764	-0.02805	0.54538	-0.03138	0.49878	-0.01698	0.71446
0.8198	0.019529	0.6738	0.013244	0.77529	0.04292	0.35473	-0.01558	0.73699
0.67856	-0.16052	0.0005	0.015839	0.73281	-0.02761	0.5517	-0.08814	0.05699
0.03626	-0.10863	0.01887	0.011109	0.81077	0.00184	0.96837	0.014005	0.76277
0.66652	-0.05977	0.19728	-0.04868	0.29386	-0.03674	0.4283	-0.00435	0.92523
0.12091	0.014492	0.75477	0.072057	0.11994	0.090568	0.05047	-0.04111	0.3754
0.02196	-0.21399	3.07E-06	-0.20281	1.00E-05	-0.19196	2.96E-05	-0.03388	0.46516
0.00021	-0.25872	1.40E-08	-0.2406	1.42E-07	-0.25259	3.13E-08	-0.06558	0.15706
0.01136	0.038167	0.41057	0.008669	0.85178	0.054055	0.24367	0.0387	0.40407
0.15547	0.021313	0.64595	-0.02938	0.52655	0.014224	0.75916	0.004557	0.92177
0.01992	0.001579	0.97284	-0.02828	0.54205	0.002843	0.95113	0.016304	0.72528
0.05928	0.01968	0.67143	-0.01715	0.71158	0.021462	0.64365	0.018894	0.68383
0.80026	-0.14496	0.00168	-0.06874	0.13802	-0.08551	0.06484	-0.02934	0.52708
0.2318	0.007452	0.8724	-0.02139	0.64474	0.014658	0.75205	0.018854	0.68447
0.77988	0.021731	0.6395	0.027893	0.54765	0.015272	0.74203	0.035042	0.44997
0.3111	-0.06227	0.17917	-0.05816	0.20961	-0.06989	0.13153	0.012852	0.78178
0.51613	-0.0206	0.65701	-0.0299	0.51921	-0.01879	0.68547	0.016315	0.72511
0.07794	0.038011	0.41249	0.002774	0.95232	0.049333	0.28738	0.001822	0.96868
0.05541	-0.11098	0.01642	-0.06341	0.1713	-0.09358	0.04324	0.00654	0.8879
0.15616	0.035645	0.44221	0.018399	0.69169	0.042426	0.3603	0.01525	0.74238
0.58263	-0.05256	0.257	-0.06054	0.19157	-0.03287	0.47856	-0.00132	0.97739
0.79479	-0.01932	0.67703	-0.02897	0.53233	-0.01119	0.80941	0.005277	0.90944
0.5333	-0.00229	0.96063	-0.02235	0.63	-0.00426	0.92686	0.011101	0.8109
0.76939	-0.00215	0.96297	-0.03509	0.44937	-0.01589	0.73206	0.008242	0.85901
0.0038	-0.17273	0.00018	-0.10764	0.01999	-0.1613	0.00047	-0.02829	0.54203
0.28164	-0.07488	0.10608	-0.06008	0.195	-0.08147	0.07861	0.001359	0.97664
0.30244	-0.03026	0.51414	-0.05146	0.2671	-0.04935	0.28723	0.011906	0.79749
0.15442	-0.00162	0.97222	0.027288	0.55638	0.006345	0.89123	0.034586	0.45589
0.98476	-0.07251	0.11764	-0.06664	0.15046	-0.03756	0.41812	0.005514	0.9054
0.22699	-0.03893	0.40133	-0.04395	0.34325	-0.04358	0.34737	-0.01502	0.74615
0.09475	0.035659	0.44202	0.01236	0.78993	0.036086	0.43658	0.019397	0.67588
0.45991	0.031699	0.49439	0.013212	0.77583	0.034051	0.46289	0.038155	0.41072
0.65815	-0.01704	0.71345	-0.04613	0.31986	-0.02463	0.59553	-0.00145	0.97511
0.09005	0.015486	0.73855	-0.01363	0.76889	0.012156	0.79332	-0.00689	0.88192
0.17966	-0.04008	0.38755	-0.06289	0.17486	-0.03353	0.4698	0.014063	0.7618
0.0364	0.046932	0.31151	-0.02539	0.58423	0.040281	0.38512	0.04509	0.33091

0.2991	0.029231	0.5286	0.003182	0.94533	0.028789	0.53487	0.055171	0.23406
0.35249	-0.09035	0.05103	-0.09384	0.04266	-0.05742	0.21554	0.017509	0.70589
0.08431	-0.00297	0.94893	-0.05265	0.25613	-0.0043	0.9261	0.005998	0.89714
0.03216	0.056221	0.22527	0.003025	0.94802	0.05527	0.23322	0.022285	0.63098
0.56844	0.001843	0.96832	-0.02149	0.64319	-0.00534	0.90839	0.01045	0.8218
0.35763	0.022108	0.63369	-0.0212	0.64766	0.005468	0.90619	0.041568	0.37011
0.18882	-0.02961	0.52327	-0.04561	0.3254	-0.01071	0.81748	-0.00813	0.86092
0.89268	-0.23747	2.07E-07	-0.06883	0.13748	-0.08579	0.06396	-0.0688	0.13764
0.00085	-0.00538	0.90772	0.051502	0.26669	0.08295	0.07332	0.013249	0.77522
0.11286	-0.10353	0.02527	-0.10527	0.02289	-0.11705	0.01136	-0.02413	0.60291
0.84174	-0.05106	0.27086	-0.07022	0.12971	-0.07248	0.11778	-0.01193	0.79703
0.10621	-0.01542	0.73954	-0.01854	0.68942	0.023015	0.61984	0.030872	0.50572
0.53196	0.005051	0.91332	-0.01013	0.82724	0.003096	0.9468	-0.00656	0.88764
0.05131	0.012817	0.78236	-0.02346	0.61314	0.013695	0.76786	0.012914	0.78076
0.0146	0.054947	0.23596	0.008943	0.84717	0.050297	0.27806	0.046751	0.31339
0.05881	-0.01019	0.8262	-0.0422	0.36286	0.011402	0.80587	0.027187	0.55784
0.00329	0.077538	0.0942	0.026154	0.5729	0.085034	0.06636	0.044678	0.33535
0.18924	0.001977	0.96602	-0.02882	0.53439	-0.01016	0.82672	0.022722	0.6243
0.35945	0.002314	0.96023	-3.89E-05	0.99933	0.028979	0.53217	0.008038	0.86246
0.04836	0.040412	0.38357	-0.00396	0.93192	0.051802	0.26391	0.025317	0.58525
0.33786	-0.05192	0.26284	-0.04215	0.36345	-0.01686	0.71638	0.005297	0.90911
0.32361	0.024205	0.60185	0.018615	0.68825	0.043287	0.35063	0.03698	0.42529
0.99056	-0.00549	0.90573	-0.00972	0.83399	-0.0038	0.93471	-0.01075	0.81685
0.67487	-0.05223	0.25996	-0.04647	0.31631	-0.04419	0.34069	-0.00918	0.84323
0.81652	-0.01804	0.69747	-0.04573	0.32413	-0.02269	0.62477	0.022004	0.63529
0.5604	-0.02058	0.6573	-0.03163	0.49537	-0.01839	0.69177	0.027383	0.555
0.11521	-0.15589	0.00072	-0.12363	0.00748	-0.10624	0.02166	-0.02324	0.61635
0.05402	0.057895	0.21173	0.009054	0.84529	0.057236	0.21699	0.012819	0.78232
0.17013	0.011879	0.79793	0.008371	0.85683	0.036965	0.42548	0.001105	0.981
0.66873	-0.02271	0.62444	-0.04952	0.28553	-0.04658	0.31515	0.014701	0.75135
0.23034	0.046384	0.3172	-0.00853	0.85419	0.028884	0.53352	0.023221	0.6167
0.08916	-0.14336	0.0019	-0.09994	0.03082	-0.10958	0.01784	-0.03401	0.4634
0.68743	-0.01862	0.68825	-0.01011	0.82745	-0.00322	0.94469	0.024266	0.60093
0.73892	-0.02686	0.56265	-0.04126	0.37367	-0.02257	0.62663	0.010894	0.81436
0.58823	-0.04571	0.32434	-0.03799	0.41269	-0.02302	0.61979	-0.00188	0.96766
0.23811	-0.09098	0.04944	-0.0536	0.24769	-0.08174	0.07764	-0.02565	0.58027
0.58107	0.021402	0.64457	-0.01017	0.82646	-0.00911	0.84433	0.023273	0.61591
0.30829	-0.06075	0.19003	-0.11182	0.01563	-0.0744	0.10834	0.002374	0.95919
0.05228	0.046823	0.31265	0.008593	0.85306	0.047725	0.3034	0.016409	0.72358
0.13053	0.034405	0.45826	0.010517	0.82068	0.036828	0.4272	0.025108	0.58835
0.74972	-0.02422	0.60156	-0.01109	0.81111	-0.0213	0.64609	0.038878	0.40191
0.59242	0.004309	0.926	-0.02376	0.60861	-0.00613	0.89497	-0.0158	0.73347
0.90336	0.031313	0.49965	0.001468	0.97475	0.007428	0.87281	-0.00868	0.85152
0.36724	0.021146	0.64854	-0.02919	0.52917	0.000412	0.99291	0.002327	0.96
0.79712	-0.06136	0.18561	-0.06655	0.15103	-0.05017	0.27931	0.013574	0.76985

0.17724	-0.12869	0.00535	-0.14539	0.00163	-0.14038	0.00236	-0.06766	0.14431
0.71237	0.038388	0.40787	0.016566	0.72104	0.020443	0.65947	0.039195	0.39808
0.01566	-0.22399	1.01E-06	-0.22299	1.13E-06	-0.20799	5.83E-06	0.021519	0.64276
0.48925	-0.21502	2.74E-06	-0.19969	1.38E-05	-0.16838	0.00026	0.029082	0.53071
0.81296	-0.06492	0.16132	-0.04764	0.30422	-0.02195	0.63611	0.008978	0.84657
0.10222	-0.06788	0.14303	-0.07301	0.11512	-0.07449	0.10791	-0.04486	0.33335
0.3028	-0.03446	0.45754	-0.01181	0.79913	-0.03908	0.39941	-0.01201	0.79576
0.03005	0.075366	0.10382	-0.00169	0.97092	0.066324	0.15243	0.058342	0.20822
0.40034	-0.05967	0.19802	-0.08076	0.08128	-0.03847	0.4069	0.028552	0.53824
0.01869	-0.16916	0.00024	-0.1499	0.00116	-0.15492	0.00078	-0.01905	0.68132
0.65914	-0.05308	0.25232	-0.07003	0.13073	-0.05985	0.19667	-0.01669	0.71904
0.6688	-0.04922	0.2885	-0.03779	0.41521	-0.00649	0.88884	-0.00798	0.86338
0.22154	-0.05546	0.2316	-0.03299	0.47691	-0.04763	0.3044	0.020932	0.65186
0.70938	-0.03853	0.40607	-0.03376	0.46676	-0.02614	0.57316	-0.05096	0.27178
0.22904	0.047963	0.301	0.000555	0.99046	0.047671	0.30395	-0.06464	0.16316
0.19868	0.038722	0.4038	-0.00601	0.89691	0.04623	0.31882	0.038837	0.40239
0.40248	-0.03504	0.45005	-0.02913	0.53009	-0.00939	0.83958	0.02879	0.53485
0.03179	0.020125	0.66445	0.0103	0.82432	0.051737	0.26451	0.021766	0.63895
0.23451	-0.01063	0.81871	-0.01824	0.69425	0.001421	0.97556	0.025382	0.58429
0.57774	-0.05913	0.20211	-0.05818	0.20948	-0.02786	0.54817	-0.02159	0.64172
0.44703	-0.01833	0.69279	-0.03113	0.50219	-0.01503	0.74599	0.002176	0.96259
0.12028	0.013775	0.76655	-0.02938	0.52646	0.019909	0.66783	0.025251	0.58623
0.91642	-0.06659	0.15076	-0.0414	0.37206	-0.03647	0.43166	0.004232	0.92733
0.87195	-0.0612	0.18678	-0.04634	0.31763	-0.0296	0.52342	0.021933	0.63639
0.39941	-0.02781	0.54889	-0.0148	0.74967	-0.02243	0.62877	-0.00166	0.97149
0.047	-0.00488	0.91631	-0.00662	0.88655	0.028507	0.53888	0.025553	0.58176
0.07142	-0.0702	0.12979	-0.03022	0.51481	-0.05163	0.26547	-0.02232	0.63038
0.82022	-0.00268	0.95393	0.011037	0.81198	0.009227	0.84237	0.028586	0.53774
0.66029	-0.02673	0.56451	0.010678	0.81799	0.000295	0.99493	0.011561	0.80322
0.09423	-0.08459	0.0678	-0.11524	0.01271	-0.09377	0.04284	-0.15845	0.00059
0.0577	-0.21842	1.89E-06	-0.16816	0.00026	-0.19145	3.12E-05	-0.02082	0.65367
0.35033	-0.00679	0.88357	-0.05127	0.26886	0.000144	0.99752	0.001553	0.9733
0.024	0.057562	0.21437	0.029226	0.52867	0.082249	0.07579	0.03834	0.40846
0.82645	-0.1732	0.00017	-0.16653	0.0003	-0.11455	0.01325	-0.06711	0.1476
0.02283	-0.11898	0.01007	-0.16436	0.00036	-0.17898	0.0001	-0.16123	0.00047
0.57038	-0.04024	0.38557	-0.03953	0.39411	0.006685	0.88545	0.031791	0.49313
0.65318	-0.02819	0.54343	0.015104	0.74477	0.016449	0.72294	0.016122	0.72822
0.95462	-0.08689	0.06062	-0.02542	0.5838	-0.03749	0.41889	0.002045	0.96485
0.44237	-0.05245	0.258	-0.02437	0.59938	-0.01998	0.66678	0.094763	0.04066
0.00861	-0.16092	0.00048	-0.12823	0.00552	-0.15259	0.00094	-0.13441	0.00361
0.31262	0.011407	0.8058	-0.04049	0.38263	-0.02037	0.66062	0.025903	0.5766
0.92016	-0.09976	0.03113	-0.10281	0.02631	-0.04502	0.3317	0.015792	0.73357
0.11355	-0.00145	0.97504	0.013599	0.76944	0.068188	0.14121	-0.01512	0.74444
0.25009	-0.00792	0.86448	0.022985	0.62028	0.035562	0.44326	0.007782	0.8668
0.29737	-0.00911	0.8443	-0.00916	0.84342	0.016879	0.71601	-0.02204	0.63467

0.02811	0.045724	0.32414	0.054094	0.24333	0.088276	0.05662	0.15964	0.00053
0.92568	-0.0659	0.1551	-0.01576	0.73414	-0.01638	0.72411	0.007937	0.86417
0.85785	-0.13871	0.00266	-0.04865	0.29407	-0.08716	0.05984	-0.00324	0.9443
0.14185	-0.08338	0.07185	-0.08543	0.0651	-0.09041	0.05087	-0.02513	0.58802
0.41181	-0.07278	0.11626	-0.00114	0.98036	-0.0446	0.33614	-0.03492	0.45149
0.01768	-0.11781	0.01083	-0.09375	0.04286	-0.12991	0.00493	-0.04801	0.30056
0.38946	-0.04559	0.32561	-0.02514	0.58784	-0.0065	0.88858	-0.01343	0.77228
0.69585	0.046451	0.3165	0.03943	0.39524	0.048523	0.29538	0.014801	0.74971
0.17092	0.001697	0.97082	0.045282	0.32885	0.040901	0.37785	0.026291	0.57089
0.42723	-0.00497	0.91475	0.032064	0.48942	0.048954	0.29111	-0.01859	0.68861
0.08975	0.025358	0.58465	0.013381	0.77303	0.048633	0.29428	0.012017	0.79564
0.29769	0.041655	0.3691	-0.00453	0.92221	0.047475	0.30594	-0.00668	0.88557
0.24806	-0.05174	0.26445	-0.00517	0.91126	0.007924	0.86439	0.047998	0.30064
0.02284	-0.15615	0.00071	-0.08058	0.08196	-0.10704	0.02069	-0.03774	0.4158
0.17247	0.006617	0.8866	0.000332	0.99429	0.024531	0.59695	0.019313	0.6772
0.82894	-0.04839	0.29666	0.01898	0.68247	0.027029	0.56014	-0.02504	0.58935
0.47795	-0.02251	0.62758	-0.01422	0.75919	0.023264	0.61605	0.028229	0.54285
0.0047	0.055962	0.22741	0.011335	0.80699	0.083422	0.07169	0.052003	0.26206
0.65859	0.01923	0.67852	-0.00018	0.99695	0.024168	0.6024	-0.01931	0.67725
0.21444	-0.0084	0.85636	0.033649	0.4682	0.064906	0.16141	0.029116	0.53024
0.94462	-0.05197	0.26237	0.008735	0.85067	0.002861	0.95084	-0.00116	0.98004
0.41564	0.022377	0.62956	0.007537	0.87096	0.0493	0.2877	0.027465	0.55383
0.71881	-0.09458	0.04106	-0.04958	0.28499	-0.05659	0.22227	0.030988	0.50412
0.17092	-0.02131	0.64602	-0.02809	0.54476	-0.05142	0.26741	0.036398	0.43262
0.02153	-0.15509	0.00077	-0.13439	0.00362	-0.1667	0.0003	0.002065	0.9645
0.16537	-0.13952	0.00251	-0.12913	0.00519	-0.11974	0.0096	-0.02781	0.54891
0.01435	0.064487	0.16414	0.029592	0.52353	0.0784	0.09059	0.034419	0.45806
0.10154	-0.11568	0.01237	-0.10372	0.025	-0.08382	0.07036	-0.06359	0.17007
0.17455	0.102015	0.0275	0.022604	0.62609	0.07603	0.1008	-0.08145	0.07868
0.31699	-0.00621	0.89357	-0.04141	0.37191	-0.01454	0.75391	-0.02451	0.59732
0.0363	-0.1353	0.00339	0.044781	0.33423	0.065278	0.15902	0.031245	0.50059
0.03488	-0.10335	0.02552	-0.11331	0.01428	-0.1181	0.01064	-0.0497	0.28384
0.28071	0.028696	0.53618	0.0126	0.78595	0.043022	0.35359	0.027114	0.55891
0.323	-0.03427	0.46006	0.039941	0.38914	0.037555	0.41812	-0.02227	0.63113
0.87428	-0.04273	0.35683	-0.00082	0.98593	0.01966	0.67175	-0.02677	0.56392
0.33521	-0.0829	0.07349	-0.03318	0.47439	-0.01558	0.73706	-0.08311	0.07276
0.02372	-0.08703	0.06021	-0.09102	0.04933	-0.10731	0.02037	-0.0532	0.25123
0.31035	-0.09341	0.04364	-0.15385	0.00085	-0.10821	0.01933	0.098471	0.03338
0.11714	-0.03318	0.47444	0.019478	0.67461	0.03072	0.50782	-0.02925	0.52831
0.09038	-0.20519	7.82E-06	-0.18197	7.66E-05	-0.16128	0.00047	-0.00347	0.94035
0.92153	-0.02288	0.62191	-0.0279	0.54759	-0.01968	0.67138	-0.03668	0.42904
0.16961	0.039967	0.38883	-0.00509	0.91263	0.029907	0.51912	0.023435	0.61345
0.14457	0.05631	0.22453	-0.02414	0.6028	0.021817	0.63817	0.065314	0.15878
0.00087	0.058731	0.2052	0.013052	0.77847	0.076134	0.10033	0.037768	0.41549
0.83098	-0.03618	0.43539	-0.08853	0.0559	-0.05705	0.21845	0.063154	0.17305

0.07512	0.035043	0.44996	0.015581	0.737	0.032786	0.47969	0.060896	0.18896
0.16617	-0.06131	0.18596	-0.04449	0.33737	-0.00761	0.86966	-0.04729	0.30779
1.07E-05	0.076125	0.10037	0.245803	7.43E-08	0.236239	2.41E-07	-0.04228	0.36195
0.00081	0.13277	0.00405	0.162026	0.00044	0.188215	4.26E-05	0.071682	0.12189
0.5494	-0.07047	0.12834	-0.06116	0.18701	-0.03756	0.41804	-0.00286	0.95091
0.75449	-0.07099	0.12556	-0.07086	0.12625	-0.04106	0.37598	-0.00187	0.96785
0.07776	-0.04291	0.35481	-0.06627	0.15279	-0.05922	0.20144	-0.19963	1.39E-05
0.03033	-0.03735	0.42065	-0.00256	0.95593	0.024595	0.59601	-0.02994	0.51862
0.78679	-0.10186	0.02774	-0.10135	0.02853	-0.08574	0.06412	0.063251	0.17239
0.78051	-0.01907	0.6811	-0.0085	0.85459	-0.01979	0.66969	-0.01083	0.8154
0.01504	0.102232	0.02717	0.191494	3.10E-05	0.161839	0.00045	0.111971	0.01548
0.23809	-0.25097	3.86E-08	-0.23767	2.03E-07	-0.20347	9.35E-06	-0.03779	0.41527
0.63422	-0.08579	0.06398	-0.04797	0.30094	-0.01569	0.73518	-0.02765	0.55111
0.53045	-0.1355	0.00335	-0.12958	0.00504	-0.12064	0.00907	-0.04392	0.34359
0.04141	-0.15534	0.00076	-0.13117	0.00452	-0.13969	0.00248	-0.02889	0.53339
5.40E-06	-0.14941	0.0012	-0.14656	0.00149	-0.19072	3.35E-05	-0.07634	0.09943
0.11051	-0.01364	0.76869	-0.05615	0.22587	-0.01953	0.67379	-0.01725	0.71009
0.53246	-0.09647	0.03716	0.007628	0.86942	0.034344	0.45906	-0.03994	0.38919
0.45676	-0.09298	0.04461	-0.10818	0.01937	-0.05752	0.21468	0.044483	0.33746
0.19608	0.016196	0.72703	-0.01041	0.8225	0.033872	0.46525	0.046747	0.31343
0.60051	-0.08904	0.05449	-0.06091	0.18883	-0.04255	0.35886	-0.04003	0.38814
0.49003	-0.09806	0.03412	-0.08135	0.07906	-0.06134	0.18576	-0.08904	0.05449
0.00413	-0.1774	0.00012	-0.14031	0.00237	-0.17502	0.00014	0.117788	0.01085
0.99877	0.023955	0.60561	-0.07427	0.10893	-0.03675	0.4282	0.168496	0.00025
0.85817	-0.08523	0.06574	-0.02598	0.57553	-0.02072	0.65508	-0.02908	0.5308
0.39043	0.053428	0.24919	0.05263	0.25634	0.071827	0.12113	0.021908	0.63677
0.44788	-0.06936	0.13446	0.00286	0.95084	0.039012	0.40028	0.009961	0.83002
0.9198	-0.04162	0.36946	-0.02709	0.5593	-0.02645	0.56853	-0.02749	0.55344
0.5052	-0.01913	0.68017	-0.00916	0.84351	0.03115	0.5019	-0.00541	0.90717
0.82102	-0.09494	0.04029	-0.01457	0.75354	-0.01555	0.73746	0.031782	0.49325
0.11589	-0.02934	0.52711	0.063783	0.1688	0.067033	0.14808	0.022018	0.63508
0.001	-0.15111	0.00105	-0.14625	0.00153	-0.1894	3.80E-05	-0.05931	0.20075
0.14574	-0.14946	0.0012	-0.0137	0.76775	-0.07927	0.08705	-0.04572	0.32418
0.5451	0.03244	0.48434	0.056523	0.22278	0.050855	0.27275	-0.04941	0.28662
0.10961	-0.0934	0.04367	-0.06823	0.14094	-0.09174	0.04754	-0.03322	0.47393
0.37209	-0.05487	0.23659	-0.05397	0.2444	-0.04085	0.37848	-0.22115	1.39E-06
0.13661	0.036429	0.43222	0.067165	0.14728	0.061809	0.1824	-0.106	0.02197
0.99061	0.082622	0.07446	0.0908	0.04988	0.053651	0.24722	-0.04868	0.29384
0.72583	-0.02037	0.66069	-0.02238	0.62952	-0.01554	0.73775	-0.00777	0.86692
0.08805	-0.09357	0.04326	-0.05159	0.26588	-0.06761	0.14459	-0.08844	0.05614
0.85173	0.009786	0.83296	0.019631	0.67219	0.032848	0.47886	0.0097	0.8344
0.00012	-0.16954	0.00023	-0.18325	6.80E-05	-0.20322	9.59E-06	-0.15264	0.00094
0.61993	-0.07994	0.08443	-0.03744	0.41953	-0.0422	0.36284	-0.01148	0.80463
0.08495	-0.0361	0.43639	0.064351	0.16503	0.048762	0.29301	0.004735	0.91872
0.14592	0.02998	0.51809	0.033108	0.47538	0.051947	0.26258	0.013518	0.77077



0.26446	-0.01833	0.6927	-0.0111	0.81085	0.049988	0.28102	0.012728	0.78382
0.11543	-0.17466	0.00015	-0.10576	0.02226	-0.11953	0.00973	-0.05021	0.27893
0.31952	-0.01007	0.82822	-0.02842	0.54008	0.018395	0.69174	-0.00108	0.98147
0.38733	-0.00941	0.83924	-0.02773	0.55001	0.007797	0.86655	0.019785	0.66978
0.6989	-0.00153	0.97377	0.020749	0.65471	0.023434	0.61347	-0.03773	0.41597
0.72563	-0.06672	0.14997	-0.03441	0.45819	-0.03726	0.42178	-5.95E-05	0.99898
0.2	-0.19561	2.07E-05	-0.10278	0.02634	-0.08614	0.06289	0.048714	0.29348
0.12416	-0.02532	0.58518	-0.0168	0.71721	0.014121	0.76087	0.014659	0.75204
0.97906	-0.04704	0.31038	-0.03283	0.47911	-0.04116	0.37479	0.042945	0.35445
0.46948	0.028603	0.53751	-0.01815	0.69564	0.00672	0.88484	0.007207	0.87656
0.08244	0.074585	0.10746	0.081338	0.0791	0.086373	0.06218	0.000541	0.99069
0.00072	0.025969	0.57563	0.048791	0.29271	0.067622	0.14454	0.067285	0.14656
0.69284	-0.06027	0.19358	-0.01386	0.76509	-0.01768	0.70317	0.075124	0.10493
0.02293	-0.1784	0.00011	-0.13887	0.00263	-0.15712	0.00066	-0.09439	0.04146
0.60979	-0.0403	0.38493	-0.01509	0.745	-0.03687	0.42662	-0.02886	0.53385
0.25314	-0.21921	1.73E-06	-0.17827	0.00011	-0.16399	0.00037	-0.09787	0.03449
0.36054	-0.26211	8.93E-09	-0.16738	0.00028	-0.19299	2.68E-05	-0.08769	0.05829
0.14678	-0.02455	0.59661	0.120675	0.00904	0.070594	0.12767	0.0073	0.87498
0.85434	-0.08248	0.07497	-0.08181	0.07739	-0.08011	0.08375	0.005909	0.89865
0.11965	-0.07008	0.13048	-0.06884	0.13743	-0.06239	0.17831	-0.11576	0.01231
0.0555	0.024996	0.59002	0.079166	0.08747	0.086754	0.06103	-0.00665	0.88603
0.36115	-0.0009	0.98445	-0.00727	0.87555	-0.01586	0.73245	-0.02892	0.53297
0.57953	-0.1413	0.00221	-0.1192	0.00993	-0.12164	0.00851	-0.12115	0.00877
0.84698	-0.06783	0.14334	0.029505	0.52475	0.007825	0.86608	-0.01807	0.69696
0.48917	0.038765	0.40328	0.002596	0.95539	0.029297	0.52768	0.094773	0.04064
0.12701	-0.03221	0.48744	-0.03889	0.4018	-0.01153	0.80382	0.006044	0.89636
0.08095	-0.11241	0.01508	-0.0954	0.03931	-0.11766	0.01094	-0.03162	0.49542
0.68248	-0.0919	0.04717	-0.04284	0.35564	-0.03964	0.39276	-0.0168	0.71734
0.14426	0.02803	0.54569	-0.02014	0.66414	0.023871	0.60687	0.032813	0.47932
0.11495	0.038439	0.40724	0.066817	0.14939	0.062869	0.175	-0.07887	0.08868
0.30357	-0.07756	0.09409	-0.09943	0.03168	-0.05702	0.21871	0.014296	0.75799
0.00408	0.154706	0.0008	0.172385	0.00018	0.177805	0.00011	0.021276	0.64653
0.28173	-0.04009	0.38737	-0.00866	0.85191	-0.05037	0.27736	-0.0215	0.6431
0.06476	-0.1994	1.42E-05	-0.15692	0.00067	-0.16488	0.00035	0.023966	0.60544
0.43053	0.125921	0.00644	0.029353	0.5269	0.044683	0.3353	0.167723	0.00027
0.50097	-0.08888	0.05493	-0.08265	0.07436	-0.05385	0.24547	-0.20324	9.57E-06
0.21174	-0.05139	0.26771	-0.04572	0.32424	-0.06081	0.18961	-0.11071	0.01669
0.12526	-0.06902	0.13641	-0.12414	0.00723	-0.08905	0.05448	-0.11596	0.01215
0.39751	-0.00273	0.95305	0.004538	0.92209	0.028415	0.54019	-0.13729	0.00295
0.93561	-0.0111	0.81091	-0.01958	0.67308	-0.01911	0.68048	-0.01225	0.79169
0.28345	0.013221	0.77569	0.00811	0.86124	0.043211	0.35147	0.011993	0.79603
0.94195	-0.06314	0.17312	-0.03123	0.50078	-0.01798	0.6983	-0.00704	0.87941
0.42139	-0.05245	0.258	-0.05355	0.2481	-0.07163	0.12218	-0.04314	0.35223
0.06108	-0.04337	0.34969	-0.02203	0.63496	0.023564	0.6115	-0.00431	0.92603
0.02938	-0.01367	0.76825	-0.01786	0.70025	0.043254	0.351	0.029982	0.51806

0.22522	0.046314	0.31794	0.065675	0.15649	0.065071	0.16034	0.055891	0.228
0.11661	-0.09249	0.04575	0.044602	0.33617	0.059059	0.20267	0.110278	0.01713
0.48074	-0.04471	0.33504	-0.01683	0.71673	0.014211	0.75938	0.097376	0.03541
0.10536	-0.2125	3.61E-06	-0.13055	0.00472	-0.15168	0.00101	-0.0368	0.42758
0.44703	-0.07052	0.12807	-0.01412	0.76088	-0.01758	0.7048	0.007544	0.87084
0.35296	-0.07677	0.09751	-0.02228	0.63104	-0.04708	0.31	0.029446	0.52558
0.01455	0.019362	0.67644	-0.00054	0.99072	0.051056	0.27085	0.005353	0.90815
0.51194	-0.01435	0.75712	-0.03133	0.49937	-0.01383	0.76569	-0.01558	0.73695
0.1926	-0.01144	0.80518	-0.01582	0.73314	0.024744	0.59378	0.044392	0.33845
0.4996	0.000454	0.99219	-0.03238	0.48513	-0.00222	0.9619	0.044067	0.34201
0.02534	0.010359	0.82332	0.09637	0.03736	0.092653	0.04537	0.02531	0.58535
0.00181	-0.25662	1.85E-08	-0.23147	4.25E-07	-0.23686	2.23E-07	-0.19558	2.08E-05
0.37537	-0.06695	0.14856	-0.04624	0.31874	-0.06674	0.14987	-0.00998	0.82976
2.21E-12	-0.31817	1.91E-12	-0.40609	5.73E-20	-0.40972	2.49E-20	-0.34915	7.79E-15
0.72039	-0.23689	2.23E-07	-0.10979	0.01763	-0.12754	0.00578	-0.06149	0.18464
0.07525	0.070643	0.1274	-0.00127	0.97809	0.050676	0.27444	0.059547	0.19897
0.01919	-0.06416	0.16627	0.034552	0.45633	0.057347	0.21609	-0.01941	0.67566
0.23126	-0.09657	0.03697	-0.08008	0.08385	-0.08626	0.06254	-0.00103	0.98226
0.61785	-0.01489	0.74833	0.033003	0.47679	0.03855	0.40589	0.020345	0.661
8.44E-07	-0.5153	4.92E-33	-0.36897	1.65E-16	-0.46809	8.35E-27	-0.2844	3.87E-10
0.00612	-0.43812	2.52E-23	-0.41049	2.08E-20	-0.44044	1.39E-23	0.18818	4.27E-05
4.42E-06	-0.50201	3.51E-31	-0.24395	9.37E-08	-0.41081	1.93E-20	-0.19411	2.40E-05
0.23707	-0.46032	7.20E-26	-0.33826	5.78E-14	-0.40231	1.35E-19	-0.0561	0.22629
8.02E-05	-0.0527	0.2557	-0.02245	0.62848	-0.0455	0.32654	0.200697	1.24E-05
0.00064	-0.35695	1.77E-15	-0.33186	1.81E-13	-0.3959	5.65E-19	0.07995	0.08437
1.79E-09	-0.03248	0.48381	0.407551	4.10E-20	0.206055	7.15E-06	0.034641	0.45518
0.02114	-0.3421	2.88E-14	-0.18077	8.55E-05	-0.15958	0.00054	0.181849	7.74E-05
0.00014	-0.16005	0.00052	0.165935	0.00032	0.009216	0.84256	0.108937	0.01853
4.07E-08	-0.4747	1.28E-27	-0.51444	6.52E-33	-0.53844	1.84E-36	-0.10086	0.0293
4.09E-06	-0.28504	3.52E-10	0.079479	0.08622	-0.02289	0.6217	0.077009	0.09648
0.21024	-0.38758	3.45E-18	-0.11523	0.01271	-0.20427	8.61E-06	-0.01597	0.73063
9.00E-10	-0.58544	2.64E-44	-0.48639	4.18E-29	-0.56083	4.84E-40	-0.13812	0.00278
0.80318	-0.40015	2.20E-19	-0.20879	5.36E-06	-0.2792	8.26E-10	0.116866	0.01149
0.08153	-0.21655	2.32E-06	-0.03443	0.45797	-0.20556	7.53E-06	0.010742	0.8169
0.08461	-0.0801	0.08377	-0.0396	0.39317	-0.08228	0.07567	-0.09949	0.0316
7.70E-08	-0.35946	1.09E-15	-0.20305	9.77E-06	-0.39036	1.90E-18	-0.04039	0.38387
0.00152	-0.0933	0.04387	0.259309	1.30E-08	0.078352	0.09079	-0.07222	0.11908
0.02129	-0.35483	2.66E-15	-0.25538	2.18E-08	-0.20149	1.15E-05	-0.03227	0.48658
0.0696	-0.33346	1.37E-13	-0.25329	2.86E-08	-0.22207	1.25E-06	0.239256	1.67E-07
2.37E-05	-0.57088	9.70E-42	-0.41016	2.25E-20	-0.48639	4.18E-29	0.013191	0.77617
0.85512	-0.35901	1.19E-15	-0.05205	0.26167	-0.16675	0.0003	0.01158	0.80291
2.97E-15	-0.48601	4.68E-29	-0.35447	2.84E-15	-0.51493	5.55E-33	-0.18183	7.75E-05
0.0015	-0.46715	1.09E-26	-0.36422	4.27E-16	-0.411	1.85E-20	-0.05133	0.26829
0.04465	-0.49848	1.05E-30	-0.41296	1.17E-20	-0.43761	2.88E-23	-0.19243	2.83E-05
0.75454	-0.29397	9.21E-11	0.043853	0.34436	-0.1278	0.00568	0.115077	0.01283

0.00132	-0.33568	9.20E-14	-0.13458	0.00357	-0.28346	4.45E-10	0.163162	0.0004
0.03787	-0.2853	3.39E-10	-0.03855	0.40591	-0.13878	0.00265	-0.11851	0.01037
1.53E-13	-0.00961	0.83588	0.319363	1.56E-12	0.206211	7.03E-06	0.175545	0.00014
0.00152	0.007289	0.87516	0.305678	1.48E-11	0.100804	0.0294	0.018913	0.68353
9.43E-05	-0.36854	1.80E-16	-0.35375	3.26E-15	-0.40899	2.94E-20	-0.10521	0.02297
0.06893	-0.23896	1.73E-07	0.178208	0.00011	-0.01758	0.7047	-0.06686	0.14911
0.03586	-0.24293	1.06E-07	-0.15444	0.00081	-0.24215	1.17E-07	0.029417	0.52598
4.84E-12	-0.4634	3.09E-26	-0.38411	7.25E-18	-0.47511	1.14E-27	-0.09067	0.05022
1.36E-05	-0.53883	1.60E-36	-0.61686	2.65E-50	-0.56363	1.65E-40	0.066003	0.15443
4.92E-05	-0.21107	4.21E-06	0.133338	0.00389	0.007063	0.879	-0.00557	0.90441
2.56E-05	-0.23607	2.46E-07	0.13601	0.00323	0.014623	0.75262	-0.10388	0.02478
0.1	-0.30298	2.26E-11	-0.09448	0.04128	-0.166	0.00031	-0.05026	0.27845
1.25E-10	-0.43842	2.34E-23	-0.34741	1.08E-14	-0.43728	3.13E-23	-0.19575	2.04E-05
3.59E-05	-0.51098	2.01E-32	-0.31091	6.34E-12	-0.42329	1.00E-21	-0.1618	0.00045
0.00024	-0.1093	0.01814	-0.17576	0.00013	-0.09844	0.03344	0.152359	0.00096
0.00051	-0.24742	6.06E-08	-0.2246	9.41E-07	-0.35416	3.02E-15	0.016731	0.71838
2.98E-06	-0.38771	3.36E-18	-0.29397	9.21E-11	-0.40797	3.72E-20	0.137019	0.00301
0.57548	-0.29625	6.48E-11	0.126349	0.00626	-0.11577	0.01229	-0.04656	0.3154
0.76231	-0.45436	3.63E-25	-0.4553	2.82E-25	-0.44236	8.52E-24	-0.02036	0.66075
0.00357	-0.39571	5.89E-19	-0.16666	0.0003	-0.3336	1.33E-13	0.040564	0.38178
0.95595	-0.43658	3.73E-23	-0.24079	1.38E-07	-0.281	6.36E-10	-0.03643	0.43222
1.74E-10	-0.66877	7.55E-62	-0.45784	1.42E-25	-0.57419	2.60E-42	-0.17596	0.00013
0.15845	-0.13293	0.00401	0.019378	0.67619	-0.15002	0.00115	-0.09878	0.03283
0.12529	-0.4537	4.33E-25	-0.39379	8.98E-19	-0.39966	2.45E-19	-0.13234	0.00417
2.12E-07	-0.54508	1.70E-37	-0.38351	8.22E-18	-0.49142	9.20E-30	-0.23534	2.68E-07
0.00182	-0.20851	5.52E-06	-0.03148	0.49731	-0.0535	0.24859	0.118849	0.01015
0.01678	-0.45963	8.70E-26	-0.25943	1.28E-08	-0.36823	1.92E-16	0.051741	0.26447
5.51E-13	-0.55951	8.01E-40	-0.43224	1.11E-22	-0.56633	5.78E-41	-0.26097	1.04E-08
0.00148	-0.55527	3.98E-39	-0.50459	1.56E-31	-0.48816	2.46E-29	-0.03561	0.44261
0.46925	-0.43538	5.05E-23	-0.10145	0.02838	-0.25812	1.52E-08	-0.13167	0.00437
3.16E-07	-0.43138	1.38E-22	-0.18619	5.16E-05	-0.38677	4.11E-18	-0.12598	0.00641
9.38E-19	0.040095	0.38732	0.455783	2.47E-25	0.320576	1.27E-12	0.072991	0.1152
0.03261	-0.49832	1.11E-30	-0.32053	1.28E-12	-0.37313	7.12E-17	-0.00479	0.91777
0.00054	-0.28006	7.30E-10	-0.13653	0.00311	-0.2938	9.44E-11	0.086631	0.0614
0.0077	-0.07045	0.12847	0.056824	0.22032	-0.02611	0.57362	-0.04773	0.3034
0.08076	-0.18652	5.00E-05	0.080803	0.0811	-0.04517	0.33008	0.34977	6.94E-15
1.70E-06	-0.17024	0.00022	-0.0341	0.46221	-0.02275	0.62387	0.098323	0.03365
0.02946	-0.3268	4.39E-13	-0.01207	0.79475	-0.20931	5.08E-06	-0.13912	0.00259
2.20E-11	-0.59683	2.10E-46	-0.44869	1.64E-24	-0.57683	9.02E-43	-0.09941	0.03173
0.04834	-0.53728	2.77E-36	-0.56816	2.84E-41	-0.50757	6.02E-32	-0.02615	0.57292
1.10E-05	-0.52189	5.52E-34	-0.36889	1.68E-16	-0.46543	1.76E-26	-0.27975	7.62E-10
0.38262	-0.39702	4.41E-19	-0.10386	0.0248	-0.2527	3.09E-08	0.053878	0.24522
6.15E-08	-0.52609	1.34E-34	-0.39714	4.30E-19	-0.48684	3.65E-29	-0.13136	0.00446
1.43E-12	-0.48562	5.26E-29	-0.35396	3.14E-15	-0.52681	1.05E-34	-0.22676	7.35E-07
2.16E-14	-0.11495	0.01293	-0.0072	0.87667	0.013419	0.7724	-0.01958	0.67295

8.41E-06	-0.31564	2.91E-12	-0.26638	5.00E-09	-0.21463	2.86E-06	-0.05473	0.23783
0.22944	-0.41323	1.10E-20	-0.15585	0.00073	-0.19461	2.29E-05	-0.09283	0.04496
0.00076	-0.42597	5.21E-22	-0.40145	1.64E-19	-0.32178	1.04E-12	-0.05187	0.26332
2.43E-07	-0.26011	1.17E-08	0.031958	0.49086	-0.08525	0.06566	-0.12498	0.00685
0.4427	-0.24206	1.18E-07	0.018899	0.68375	-0.12096	0.00888	-0.06372	0.16924
0.47724	0.023135	0.618	0.071213	0.12435	0.074819	0.10636	0.257368	1.68E-08
0.47973	0.094363	0.04152	0.136255	0.00317	0.120596	0.00909	0.132474	0.00413
1.12E-08	-0.23571	2.57E-07	-0.2597	1.23E-08	-0.28745	2.46E-10	0.081115	0.07993
2.37E-09	-0.11526	0.01269	-0.12764	0.00574	-0.21419	3.00E-06	0.028147	0.54402
0.02297	0.120112	0.00937	0.165926	0.00032	0.165248	0.00034	0.149372	0.00121
0.10955	-0.04298	0.35403	-0.20099	1.21E-05	-0.14896	0.00124	0.031938	0.49113
1.90E-09	-0.19417	2.39E-05	-0.28275	4.93E-10	-0.29998	3.63E-11	-0.00475	0.91839
0.00031	-0.05311	0.25198	-0.03275	0.48024	-0.10167	0.02803	-0.02905	0.53115
4.78E-08	-0.21942	1.69E-06	-0.28187	5.61E-10	-0.29487	8.02E-11	-0.0077	0.86812
0.00094	-0.12455	0.00704	0.110245	0.01716	0.083508	0.0714	0.309362	8.15E-12
0.02848	0.217549	2.08E-06	0.150872	0.00107	0.166287	0.00031	0.215743	2.54E-06
9.77E-06	0.184345	6.14E-05	0.252079	3.35E-08	0.230324	4.86E-07	0.16083	0.00048
4.39E-08	-0.11602	0.01211	-0.15524	0.00076	-0.21274	3.51E-06	0.247481	6.02E-08
0.00124	0.19302	2.67E-05	0.180531	8.74E-05	0.216392	2.36E-06	0.146637	0.00149
0.05719	0.123551	0.00752	0.13509	0.00345	0.132302	0.00418	0.134411	0.00361
0.00033	0.182866	7.05E-05	0.115468	0.01253	0.167901	0.00027	0.213871	3.11E-06
0.01458	0.076753	0.09759	-0.00034	0.99413	-0.01896	0.68271	-0.09725	0.03565
0.14296	0.076793	0.09741	0.16512	0.00034	0.146205	0.00153	-0.02621	0.57208
0.00209	0.129227	0.00516	-0.02556	0.58159	0.116838	0.01151	0.171538	0.0002
0.78166	-0.01219	0.79274	0.058732	0.20519	0.048258	0.29803	0.314354	3.60E-12
4.77E-05	0.207853	5.92E-06	0.336112	8.51E-14	0.307247	1.15E-11	0.056488	0.22307
0.01035	0.023627	0.61055	0.026256	0.57141	0.098163	0.03394	0.190622	3.38E-05
0.58807	0.139997	0.00243	-0.0719	0.12075	0.045714	0.32425	0.021801	0.63842
1.35E-05	0.106457	0.0214	0.132571	0.00411	0.207142	6.38E-06	0.084055	0.06956
9.68E-08	0.111387	0.01603	0.205155	7.85E-06	0.257023	1.76E-08	0.346869	1.19E-14
0.00013	0.277706	1.02E-09	0.261996	9.07E-09	0.311095	6.15E-12	0.379809	1.79E-17
0.02052	0.150933	0.00107	0.061796	0.18249	0.135339	0.00339	0.319266	1.59E-12
0.1176	0.016751	0.71806	-0.0112	0.80923	0.048151	0.2991	0.048747	0.29315
0.01161	0.057894	0.21174	-0.05672	0.22115	0.071253	0.12414	0.222237	1.23E-06
4.84E-05	0.208263	5.67E-06	0.286708	2.75E-10	0.279066	8.42E-10	0.215652	2.56E-06
0.00192	0.200093	1.32E-05	0.255246	2.22E-08	0.252832	3.04E-08	0.067522	0.14514
0.00416	0.155712	0.00073	0.204784	8.16E-06	0.204464	8.44E-06	0.143191	0.00192
0.0002	0.076596	0.09828	0.075971	0.10107	0.131406	0.00445	0.172286	0.00018
0.05169	-0.06958	0.13327	0.143852	0.00183	0.088156	0.05695	0.015258	0.74225
3.59E-15	0.250522	4.09E-08	0.23164	4.16E-07	0.345517	1.53E-14	0.458294	1.25E-25
0.00087	0.032476	0.48386	-0.02768	0.55068	0.067717	0.14398	0.226713	7.39E-07
2.38E-16	-0.23826	1.89E-07	-0.34589	1.43E-14	-0.38009	1.69E-17	-0.02092	0.65206
0.08828	0.035568	0.44319	0.05399	0.24424	0.086971	0.06038	0.145712	0.00159
0.00803	0.081537	0.07837	0.083029	0.07304	0.124973	0.00685	0.150495	0.00111
3.01E-35	0.454399	3.59E-25	0.601498	2.75E-47	0.614438	8.13E-50	0.36464	3.93E-16

5.81E-09	0.461709	4.92E-26	0.47163	3.07E-27	0.438716	2.17E-23	0.261678	9.46E-09
3.14E-13	0.447792	2.07E-24	0.45668	1.94E-25	0.457173	1.70E-25	0.473154	1.99E-27
9.38E-40	0.330374	2.35E-13	0.578619	4.37E-43	0.562941	2.15E-40	0.285773	3.16E-10
0.001	-0.44926	1.41E-24	-0.50227	3.23E-31	-0.4056	6.40E-20	-0.11146	0.01596
3.44E-16	0.418039	3.53E-21	0.571459	7.72E-42	0.506357	8.86E-32	0.012746	0.78354
2.57E-18	0.410502	2.07E-20	0.461253	5.58E-26	0.456556	2.01E-25	0.198023	1.63E-05
8.49E-40	0.329433	2.77E-13	0.593229	9.92E-46	0.582699	8.23E-44	0.249035	4.94E-08
6.23E-11	0.218786	1.81E-06	0.52915	4.70E-35	0.436492	3.81E-23	0.001133	0.98051
1.76E-24	0.443727	5.98E-24	0.648978	3.53E-57	0.568244	2.74E-41	0.377403	2.95E-17
1.52E-22	0.219456	1.68E-06	0.538804	1.61E-36	0.496288	2.08E-30	0.042475	0.35974
1.01E-22	0.52674	1.07E-34	0.707581	3.91E-72	0.666619	2.53E-61	0.116327	0.01188
2.91E-15	0.321255	1.13E-12	0.745097	7.95E-84	0.558325	1.25E-39	0.071399	0.12337
5.33E-24	0.516034	3.86E-33	0.781429	2.71E-97	0.6875	1.31E-66	0.163808	0.00038
0.00077	0.249816	4.47E-08	0.688031	9.46E-67	0.436224	4.08E-23	0.088868	0.05497
3.69E-19	0.419634	2.41E-21	0.786198	2.97E-99	0.608972	9.83E-49	0.062868	0.17501
1.07E-27	0.430119	1.88E-22	0.788354	#####	0.66735	1.68E-61	0.286811	2.71E-10
5.17E-10	0.354692	2.73E-15	0.707409	4.38E-72	0.519221	1.35E-33	0.038527	0.40617
1.01E-05	0.250041	4.35E-08	0.689573	3.69E-67	0.45238	6.15E-25	-0.08212	0.07625
2.18E-05	0.508861	3.98E-32	0.661585	4.12E-60	0.510548	2.31E-32	0.313093	4.43E-12
1.04E-38	0.596026	2.99E-46	0.878112	#####	0.791459	#####	0.226846	7.28E-07
2.10E-28	0.285611	3.24E-10	0.640043	3.49E-55	0.57218	5.80E-42	0.16551	0.00033
1.07E-10	0.523109	3.67E-34	0.650632	1.48E-57	0.544424	2.16E-37	0.069055	0.13621
4.09E-26	0.630664	3.69E-53	0.637879	1.04E-54	0.650393	1.68E-57	0.221297	1.37E-06
1.40E-25	0.41697	4.55E-21	0.580446	2.07E-43	0.606173	3.46E-48	0.228259	6.18E-07
4.49E-30	0.316247	2.63E-12	0.489834	1.49E-29	0.518854	1.52E-33	0.089759	0.05257
0.00035	0.432434	1.06E-22	0.629367	6.94E-53	0.490198	1.33E-29	0.125131	0.00678
6.58E-38	0.649754	2.35E-57	0.565746	7.27E-41	0.633882	7.59E-54	0.130173	0.00484
1.13E-22	0.438098	2.54E-23	0.387053	3.87E-18	0.459191	9.80E-26	0.159549	0.00054
1.40E-11	0.382783	9.59E-18	0.496855	1.75E-30	0.469091	6.30E-27	0.075362	0.10384
2.45E-48	0.588744	6.64E-45	0.832871	#####	0.806835	#####	0.271026	2.63E-09
1.41E-16	0.467257	1.05E-26	0.494461	3.65E-30	0.507669	5.83E-32	0.18993	3.61E-05
1.75E-30	0.459679	8.58E-26	0.726501	8.70E-78	0.63072	3.59E-53	0.221704	1.31E-06
0.13918	0.277578	1.04E-09	0.581477	1.36E-43	0.367751	2.11E-16	0.205287	7.74E-06
7.80E-18	0.41122	1.76E-20	0.738433	1.33E-81	0.615401	5.21E-50	0.176943	0.00012
2.23E-26	0.590364	3.35E-45	0.718418	2.58E-75	0.738153	1.64E-81	0.138056	0.00279
3.96E-08	0.457174	1.70E-25	0.49762	1.38E-30	0.416327	5.30E-21	-0.06227	0.17912
1.54E-28	0.52627	1.26E-34	0.754972	2.98E-87	0.712876	1.14E-73	0.149288	0.00121
1.39E-14	0.566308	5.84E-41	0.591217	2.34E-45	0.585463	2.62E-44	0.230587	4.71E-07
8.22E-31	0.403951	9.32E-20	0.632088	1.84E-53	0.572858	4.43E-42	0.171384	0.0002
7.64E-32	0.385678	5.19E-18	0.64528	2.40E-56	0.57373	3.13E-42	0.130642	0.00469
3.13E-14	0.46637	1.35E-26	0.592885	1.15E-45	0.516623	3.18E-33	0.09819	0.03389
3.86E-42	0.314503	3.51E-12	0.633319	1.00E-53	0.610175	5.71E-49	0.312691	4.73E-12
3.16E-18	0.439497	1.78E-23	0.363122	5.30E-16	0.38938	2.35E-18	0.000233	0.996
1.92E-23	0.557915	1.47E-39	0.698271	1.62E-69	0.627252	1.93E-52	0.108213	0.01933
5.82E-15	0.606985	2.41E-48	0.746817	2.07E-84	0.640913	2.24E-55	0.151636	0.00101

5.95E-16	0.469971	4.92E-27	0.498343	1.10E-30	0.518117	1.94E-33	0.116939	0.01144
5.31E-11	0.47954	3.15E-28	0.439296	1.87E-23	0.472404	2.47E-27	0.278416	9.24E-10
1.96E-27	0.330476	2.31E-13	0.443979	5.60E-24	0.487251	3.23E-29	0.398229	3.37E-19
1.78E-39	0.447689	2.13E-24	0.707888	3.19E-72	0.687334	1.45E-66	0.221416	1.35E-06
1.07E-42	0.475703	9.58E-28	0.780027	1.00E-96	0.721742	2.54E-76	0.314091	3.76E-12
2.28E-28	0.330078	2.48E-13	0.563863	1.51E-40	0.526379	1.21E-34	0.156924	0.00067
5.53E-29	0.54699	8.49E-38	0.676906	7.14E-64	0.626232	3.16E-52	0.277955	9.88E-10
1.02E-06	0.259629	1.24E-08	0.602815	1.54E-47	0.413085	1.14E-20	-0.02966	0.5226
2.57E-20	0.281793	5.67E-10	0.456441	2.07E-25	0.436802	3.53E-23	0.072643	0.11695
9.66E-12	0.42196	1.38E-21	0.436072	4.24E-23	0.428329	2.93E-22	-0.05653	0.22269
3.36E-11	0.445807	3.48E-24	0.719315	1.38E-75	0.540982	7.43E-37	0.24969	4.55E-08
3.73E-28	0.380508	1.55E-17	0.504904	1.41E-31	0.498551	1.03E-30	0.05797	0.21114
3.08E-16	0.65344	3.35E-58	0.724525	3.56E-77	0.669516	4.96E-62	0.27881	8.73E-10
2.08E-18	0.554928	4.51E-39	0.676027	1.19E-63	0.63274	1.33E-53	0.062141	0.18006
1.33E-14	0.399987	2.28E-19	0.529138	4.72E-35	0.460034	7.79E-26	0.076727	0.09771
1.10E-06	0.520661	8.34E-34	0.463955	2.65E-26	0.438094	2.54E-23	0.3866	4.26E-18
1.19E-18	0.439117	1.96E-23	0.584044	4.72E-44	0.524539	2.26E-34	0.316179	2.66E-12
1.16E-32	0.612216	2.25E-49	0.627584	1.65E-52	0.687665	1.18E-66	0.313086	4.44E-12
1.39E-12	0.439077	1.98E-23	0.631698	2.22E-53	0.547723	6.49E-38	0.267784	4.13E-09
5.12E-06	0.495762	2.44E-30	0.509903	2.84E-32	0.482514	1.32E-28	0.310137	7.19E-12
2.18E-24	0.422915	1.10E-21	0.665186	5.63E-61	0.613778	1.10E-49	0.266688	4.80E-09
9.32E-24	0.682512	2.63E-65	0.550769	2.12E-38	0.598148	1.19E-46	0.399372	2.61E-19
3.72E-06	0.2851	3.49E-10	0.667866	1.26E-61	0.454596	3.40E-25	0.050879	0.27252
5.97E-33	0.707607	3.84E-72	0.832581	#####	0.775007	9.91E-95	0.202676	1.01E-05
2.31E-10	0.106082	0.02186	0.504102	1.81E-31	0.322944	8.51E-13	0.102786	0.02634
9.51E-12	0.445269	4.01E-24	0.507198	6.78E-32	0.486383	4.19E-29	0.253659	2.73E-08
3.20E-05	0.440966	1.22E-23	0.569397	1.74E-41	0.436434	3.87E-23	0.029876	0.51955
1.46E-18	0.448319	1.80E-24	0.636848	1.74E-54	0.550498	2.34E-38	0.168486	0.00025
6.74E-30	0.439895	1.60E-23	0.768762	2.56E-92	0.701576	1.96E-70	0.261525	9.66E-09
1.14E-27	0.574417	2.38E-42	0.798197	#####	0.711426	3.02E-73	0.271671	2.41E-09
5.06E-27	0.438023	2.59E-23	0.785089	8.58E-99	0.722927	1.10E-76	0.189288	3.84E-05
3.17E-06	0.300663	3.27E-11	0.703445	5.86E-71	0.482399	1.36E-28	0.171272	0.0002
1.24E-19	0.325184	5.80E-13	0.657949	2.99E-59	0.575715	1.41E-42	0.227682	6.61E-07
0.05604	0.321634	1.06E-12	0.59354	8.69E-46	0.372105	8.77E-17	0.110773	0.01663
8.19E-13	0.46762	9.53E-27	0.47344	1.83E-27	0.464312	2.40E-26	0.472589	2.34E-27
3.32E-08	0.392913	1.09E-18	0.398409	3.24E-19	0.377914	2.66E-17	0.34267	2.59E-14
9.81E-22	0.30095	3.12E-11	0.775862	4.57E-95	0.618615	1.17E-50	0.006348	0.89118
4.65E-10	0.384257	7.02E-18	0.468361	7.74E-27	0.422071	1.34E-21	0.364076	4.39E-16
9.64E-27	0.365196	3.52E-16	0.454329	3.65E-25	0.48047	2.40E-28	-0.08075	0.08129
8.78E-22	0.356952	1.77E-15	0.631522	2.43E-53	0.508163	4.98E-32	0.163956	0.00037
8.34E-30	0.268291	3.85E-09	0.504858	1.43E-31	0.512947	1.06E-32	0.147016	0.00144
1.74E-15	0.400998	1.82E-19	0.495116	2.98E-30	0.444689	4.66E-24	0.033584	0.46906
2.30E-25	0.67548	1.63E-63	0.649975	2.09E-57	0.666217	3.17E-61	0.263544	7.36E-09
4.46E-29	0.250424	4.14E-08	0.516998	2.81E-33	0.492775	6.10E-30	0.157152	0.00065
1.56E-22	0.541422	6.35E-37	0.637275	1.40E-54	0.595007	4.63E-46	0.326208	4.86E-13

8.96E-24	0.630859	3.35E-53	0.657698	3.42E-59	0.705527	1.51E-71	0.251514	3.60E-08
5.53E-16	0.669991	3.79E-62	0.800712	#####	0.682372	2.86E-65	0.087741	0.05814
2.56E-28	0.51075	2.16E-32	0.664645	7.61E-61	0.658755	1.93E-59	0.212018	3.80E-06
1.95E-10	0.417518	4.00E-21	0.667416	1.62E-61	0.521672	5.94E-34	0.201831	1.11E-05
2.92E-24	0.567813	3.25E-41	0.692991	4.48E-68	0.669389	5.33E-62	0.237138	2.16E-07
5.84E-24	0.576471	1.04E-42	0.606909	2.49E-48	0.588328	7.91E-45	0.113133	0.01444
1.06E-28	0.654002	2.49E-58	0.520612	8.47E-34	0.600064	5.16E-47	0.344545	1.84E-14
1.64E-16	0.343171	2.37E-14	0.507047	7.11E-32	0.45731	1.63E-25	0.014258	0.75861
9.52E-13	0.244093	9.20E-08	0.419019	2.80E-21	0.409988	2.34E-20	0.119282	0.00988
4.18E-14	-0.62311	1.41E-51	-0.71547	1.96E-74	-0.64582	1.82E-56	-0.19	3.59E-05
2.90E-44	0.355693	2.25E-15	0.612714	1.79E-49	0.637055	1.57E-54	0.205415	7.64E-06
3.78E-31	0.457645	1.49E-25	0.565647	7.56E-41	0.561535	3.69E-40	0.123991	0.0073
7.02E-15	0.507082	7.03E-32	0.48474	6.83E-29	0.490291	1.30E-29	0.547612	6.76E-38
6.91E-05	0.156126	0.00071	0.502247	3.25E-31	0.340638	3.76E-14	0.077165	0.0958
5.41E-32	0.636744	1.83E-54	0.682921	2.06E-65	0.742479	6.05E-83	0.287207	2.55E-10
1.88E-31	0.546603	9.77E-38	0.723018	1.04E-76	0.726781	7.12E-78	0.322546	9.10E-13
4.48E-28	0.6088	1.06E-48	0.6956	8.78E-69	0.697331	2.95E-69	0.147727	0.00137
8.97E-18	0.366541	2.69E-16	0.450179	1.10E-24	0.434605	6.14E-23	0.082422	0.07517
9.88E-15	0.311231	6.01E-12	0.721385	3.27E-76	0.538858	1.58E-36	0.032974	0.47718
6.72E-31	0.259277	1.30E-08	0.682822	2.19E-65	0.559831	7.08E-40	0.198111	1.61E-05
7.63E-25	0.211952	3.83E-06	0.510082	2.69E-32	0.475169	1.12E-27	0.090221	0.05136
5.22E-21	0.514608	6.17E-33	0.825988	#####	0.702108	1.39E-70	0.072513	0.11761
3.06E-21	0.476814	6.95E-28	0.602237	1.99E-47	0.58828	8.07E-45	0.146447	0.00151
2.99E-22	0.260084	1.17E-08	0.687838	1.06E-66	0.570528	1.12E-41	0.172623	0.00018
3.11E-14	0.478162	4.71E-28	0.327714	3.74E-13	0.391597	1.45E-18	0.253651	2.73E-08
3.38E-15	0.340697	3.72E-14	0.512031	1.43E-32	0.430557	1.69E-22	-0.04846	0.29596
6.24E-08	0.559131	9.24E-40	0.492104	7.48E-30	0.484118	8.21E-29	0.300517	3.34E-11
4.77E-06	0.251623	3.55E-08	0.596655	2.27E-46	0.435836	4.50E-23	0.07993	0.08445
1.37E-18	0.655314	1.23E-58	0.631712	2.21E-53	0.578795	4.07E-43	-0.05253	0.25726
6.59E-10	0.527417	8.51E-35	0.470379	4.38E-27	0.457981	1.36E-25	0.520137	9.93E-34
0.7877	0.164787	0.00035	0.40771	3.95E-20	0.218668	1.84E-06	0.285105	3.49E-10
5.01E-10	0.47495	1.19E-27	0.330162	2.44E-13	0.418106	3.47E-21	0.221701	1.31E-06
0.02224	-0.31221	5.12E-12	-0.43762	2.87E-23	-0.33219	1.71E-13	0.00098	0.98315
1.55E-08	0.411691	1.57E-20	0.692303	6.86E-68	0.542513	4.29E-37	0.131582	0.0044
2.49E-16	0.535457	5.26E-36	0.791674	#####	0.647802	6.51E-57	0.161575	0.00046
8.16E-56	0.546647	9.62E-38	0.747203	1.53E-84	0.767839	5.73E-92	0.181246	8.18E-05
1.19E-15	0.415697	6.15E-21	0.676585	8.60E-64	0.575574	1.49E-42	0.269355	3.32E-09
6.57E-05	-0.32191	1.01E-12	-0.47309	2.03E-27	-0.35673	1.84E-15	-0.01243	0.78882
2.56E-09	0.491517	8.94E-30	0.654024	2.46E-58	0.525038	1.91E-34	0.146065	0.00155
5.04E-21	0.241535	1.26E-07	0.633102	1.12E-53	0.512708	1.15E-32	0.188238	4.25E-05
3.08E-21	0.389489	2.29E-18	0.556974	2.09E-39	0.479105	3.58E-28	0.06977	0.13219
9.32E-08	0.399767	2.39E-19	0.427201	3.86E-22	0.40784	3.83E-20	0.273176	1.95E-09
2.93E-15	0.333145	1.44E-13	0.47183	2.90E-27	0.448627	1.66E-24	0.037967	0.41303
0.00123	-0.49448	3.62E-30	-0.48024	2.57E-28	-0.38448	6.69E-18	-0.32519	5.79E-13
2.74E-36	0.397384	4.07E-19	0.691993	8.32E-68	0.64229	1.11E-55	0.153422	0.00088

8.84E-27	0.555101	4.23E-39	0.760658	2.68E-89	0.690721	1.82E-67	0.369343	1.53E-16
1.96E-34	0.393487	9.60E-19	0.571533	7.50E-42	0.579364	3.23E-43	0.100368	0.03011
1.02E-16	0.501223	4.49E-31	0.504485	1.61E-31	0.530136	3.35E-35	0.406581	5.12E-20
4.10E-15	-0.61516	5.83E-50	-0.68369	1.30E-65	-0.63382	7.83E-54	-0.12741	0.00583
2.93E-59	0.548587	4.73E-38	0.631626	2.31E-53	0.719709	1.05E-75	0.290651	1.52E-10
8.64E-37	0.417759	3.77E-21	0.682904	2.08E-65	0.649856	2.23E-57	0.126282	0.00628
1.24E-06	0.630008	5.08E-53	0.517371	2.49E-33	0.483032	1.13E-28	0.290392	1.58E-10
3.39E-06	0.273648	1.82E-09	0.45005	1.14E-24	0.358861	1.22E-15	0.080663	0.08163
5.53E-16	0.47818	4.68E-28	0.484839	6.63E-29	0.466996	1.13E-26	0.000587	0.9899
1.90E-33	-0.51388	7.83E-33	-0.76171	1.10E-89	-0.70796	3.04E-72	-0.22359	1.06E-06
7.74E-20	0.253453	2.80E-08	0.558946	9.91E-40	0.487592	2.92E-29	0.22041	1.51E-06
1.84E-09	0.363534	4.89E-16	0.390603	1.80E-18	0.388818	2.65E-18	0.284792	3.65E-10
7.50E-28	0.314882	3.30E-12	0.648536	4.44E-57	0.587093	1.33E-44	0.090536	0.05055
2.04E-18	0.454629	3.37E-25	0.584084	4.65E-44	0.519873	1.08E-33	0.082147	0.07616
2.68E-14	0.655372	1.20E-58	0.626539	2.73E-52	0.607109	2.27E-48	0.38084	1.44E-17
1.90E-34	0.430249	1.82E-22	0.520694	8.25E-34	0.610695	4.50E-49	0.246012	7.24E-08
6.96E-45	0.513583	8.63E-33	0.832612	#####	0.777164	1.40E-95	0.203932	8.91E-06
1.21E-41	0.45369	4.33E-25	0.814843	#####	0.713403	7.97E-74	0.311814	5.47E-12
2.21E-10	0.351065	5.44E-15	0.568921	2.10E-41	0.492101	7.49E-30	0.077146	0.09588
3.21E-13	0.38143	1.28E-17	0.717697	4.24E-75	0.544944	1.79E-37	0.124941	0.00686
1.69E-20	0.322094	9.83E-13	0.646679	1.17E-56	0.577123	8.01E-43	0.048495	0.29566
3.10E-08	0.334179	1.20E-13	0.650328	1.74E-57	0.524157	2.58E-34	0.178392	0.00011
2.96E-26	0.723496	7.39E-77	0.757971	2.52E-88	0.736552	5.48E-81	0.235813	2.53E-07
4.08E-18	0.459727	8.47E-26	0.695656	8.47E-69	0.572869	4.41E-42	0.170107	0.00022
2.38E-22	0.604067	8.84E-48	0.815187	#####	0.721424	3.18E-76	0.169318	0.00024
3.05E-07	0.23579	2.54E-07	0.525376	1.70E-34	0.390634	1.79E-18	0.081643	0.07798
4.25E-26	0.34264	2.61E-14	0.573239	3.81E-42	0.544788	1.89E-37	0.102966	0.02608
8.43E-15	0.714623	3.48E-74	0.704704	2.58E-71	0.665811	3.98E-61	0.14674	0.00147
1.16E-17	0.466723	1.23E-26	0.828714	#####	0.649897	2.18E-57	0.078107	0.0918
2.65E-18	0.254019	2.60E-08	0.527835	7.37E-35	0.449959	1.17E-24	0.05748	0.21503
2.72E-14	0.628015	1.34E-52	0.627042	2.14E-52	0.614348	8.47E-50	0.245343	7.87E-08
2.52E-08	0.314146	3.73E-12	0.757248	4.59E-88	0.538449	1.83E-36	0.153638	0.00087
1.37E-11	0.21293	3.44E-06	0.535572	5.05E-36	0.388636	2.75E-18	0.06112	0.18733
7.90E-16	0.132213	0.00421	0.533715	9.67E-36	0.396315	5.15E-19	0.039609	0.39311
3.04E-07	-0.3545	2.83E-15	-0.45125	8.30E-25	-0.38776	3.33E-18	-0.17294	0.00017
3.96E-36	0.215128	2.71E-06	0.465761	1.60E-26	0.479932	2.81E-28	0.122175	0.00822
1.54E-17	0.304546	1.77E-11	0.464026	2.59E-26	0.441745	9.98E-24	0.188319	4.21E-05
4.22E-24	0.340329	3.98E-14	0.430112	1.88E-22	0.466127	1.45E-26	0.04627	0.3184
9.19E-28	0.448463	1.74E-24	0.523304	3.43E-34	0.565904	6.84E-41	0.273148	1.96E-09
1.56E-12	0.468598	7.24E-27	0.771014	3.53E-93	0.580546	1.99E-43	0.077081	0.09616
4.86E-25	0.421206	1.66E-21	0.711661	2.58E-73	0.614763	7.00E-50	0.030654	0.50873
1.97E-34	0.555471	3.68E-39	0.775756	5.03E-95	0.74474	1.05E-83	0.131439	0.00444
1.35E-43	0.721141	3.88E-76	0.804199	#####	0.798433	#####	0.244625	8.61E-08
3.30E-32	0.406224	5.55E-20	0.638692	6.90E-55	0.624685	6.63E-52	0.083016	0.07309
0.00433	0.556816	2.22E-39	0.47781	5.21E-28	0.417069	4.45E-21	0.314187	3.70E-12



3.86E-16	0.354007	3.11E-15	0.501351	4.31E-31	0.48052	2.37E-28	0.164419	0.00036
7.63E-07	0.285018	3.53E-10	0.730817	3.83E-79	0.489151	1.83E-29	0.086673	0.06127
3.59E-11	0.354052	3.08E-15	0.595594	3.60E-46	0.514469	6.46E-33	0.131499	0.00442
1.60E-27	0.599946	5.44E-47	0.823593	#####	0.743363	3.06E-83	0.158101	0.00061
5.93E-22	0.621293	3.32E-51	0.848325	#####	0.747344	1.36E-84	0.258235	1.50E-08
5.79E-28	0.60729	2.10E-48	0.765719	3.60E-91	0.753048	1.43E-86	0.218941	1.78E-06
3.74E-10	0.583935	4.94E-44	0.62824	1.20E-52	0.547491	7.07E-38	0.136253	0.00317
7.46E-13	0.535382	5.40E-36	0.761173	1.74E-89	0.616098	3.77E-50	0.191987	2.96E-05
3.89E-24	0.397276	4.17E-19	0.660114	9.21E-60	0.5906	3.04E-45	0.146987	0.00145
3.75E-34	0.517463	2.41E-33	0.755118	2.65E-87	0.710068	7.50E-73	0.225046	8.95E-07
5.23E-13	0.368055	1.99E-16	0.675395	1.72E-63	0.495886	2.35E-30	0.104769	0.02356
0.0045	0.194886	2.23E-05	0.477808	5.22E-28	0.303381	2.13E-11	0.278686	8.89E-10
3.28E-45	0.561585	3.62E-40	0.779862	1.17E-96	0.760675	2.64E-89	0.168552	0.00025
6.97E-37	0.19981	1.36E-05	0.651424	9.75E-58	0.517434	2.44E-33	0.100906	0.02923
0.84447	0.311631	5.63E-12	0.532447	1.50E-35	0.290676	1.52E-10	0.100869	0.02929
3.74E-21	0.582944	7.44E-44	0.745815	4.53E-84	0.6881	9.08E-67	0.185175	5.68E-05
2.16E-45	0.513121	1.00E-32	0.795157	#####	0.754022	6.48E-87	0.192199	2.90E-05
9.77E-55	0.653432	3.37E-58	0.761334	1.51E-89	0.843522	#####	0.283508	4.41E-10
3.51E-20	0.481279	1.90E-28	0.593782	7.83E-46	0.57779	6.11E-43	0.159371	0.00055
5.93E-35	0.394732	7.31E-19	0.72031	6.93E-76	0.635129	4.09E-54	0.043287	0.35062
9.03E-29	0.477486	5.73E-28	0.800094	#####	0.707207	5.00E-72	0.251921	3.41E-08
9.67E-08	0.303189	2.19E-11	0.500845	5.05E-31	0.380038	1.71E-17	0.019013	0.68195
2.44E-10	0.59464	5.42E-46	0.679304	1.75E-64	0.571026	9.17E-42	0.239733	1.58E-07
3.11E-25	0.332867	1.52E-13	0.712251	1.74E-73	0.598772	9.08E-47	0.17007	0.00022
3.66E-37	0.514086	7.32E-33	0.61711	2.36E-50	0.644805	3.07E-56	0.157906	0.00062
8.97E-55	0.486501	4.04E-29	0.717708	4.21E-75	0.710363	6.16E-73	0.243843	9.50E-08
7.81E-10	-0.34536	1.58E-14	-0.45888	1.07E-25	-0.41865	3.05E-21	0.019623	0.67232
1.94E-17	0.56104	4.46E-40	0.667054	1.99E-61	0.592311	1.47E-45	0.13498	0.00347
4.55E-37	0.495275	2.84E-30	0.766218	2.34E-91	0.711111	3.73E-73	0.071535	0.12265
7.43E-10	-0.34178	3.05E-14	-0.50554	1.15E-31	-0.44905	1.49E-24	0.038043	0.4121
1.33E-11	0.241789	1.22E-07	0.527036	9.69E-35	0.425442	5.93E-22	0.064182	0.16615
0.00057	0.411926	1.49E-20	0.410096	2.28E-20	0.370379	1.24E-16	0.053696	0.24682
7.34E-08	0.471428	3.25E-27	0.685482	4.43E-66	0.52268	4.24E-34	0.068199	0.14114
7.32E-23	0.395453	6.23E-19	0.59401	7.10E-46	0.515083	5.28E-33	0.115023	0.01287
0.00151	0.222151	1.24E-06	0.521423	6.46E-34	0.382106	1.11E-17	0.142799	0.00198
4.70E-28	0.535277	5.60E-36	0.649512	2.67E-57	0.628638	9.89E-53	0.058176	0.20952
4.85E-14	0.228711	5.86E-07	0.745671	5.08E-84	0.537996	2.15E-36	0.092796	0.04504
7.67E-23	0.726877	6.64E-78	0.697455	2.72E-69	0.699071	9.76E-70	0.232856	3.61E-07
1.74E-22	0.500479	5.66E-31	0.426697	4.37E-22	0.488822	2.02E-29	0.373497	6.60E-17
2.61E-25	0.612829	1.70E-49	0.505021	1.36E-31	0.578832	4.01E-43	0.161672	0.00045
3.63E-35	0.369359	1.53E-16	0.562787	2.28E-40	0.583684	5.48E-44	0.106814	0.02096
0.00147	0.156706	0.00068	0.588831	6.41E-45	0.357878	1.48E-15	-0.01368	0.76812
1.30E-14	0.340988	3.53E-14	0.591435	2.13E-45	0.506148	9.47E-32	0.18107	8.32E-05
1.25E-32	0.588963	6.06E-45	0.597362	1.67E-46	0.631748	2.17E-53	0.158675	0.00058
3.94E-17	0.509594	3.14E-32	0.55933	8.57E-40	0.487789	2.75E-29	0.195362	2.12E-05

3.39E-06	0.188584	4.11E-05	0.464409	2.33E-26	0.320516	1.29E-12	-0.03701	0.42493
6.92E-38	0.233387	3.39E-07	0.643457	6.14E-56	0.549362	3.56E-38	0.234522	2.96E-07
1.18E-26	0.548572	4.76E-38	0.823615	#####	0.698331	1.56E-69	0.164369	0.00036
2.07E-31	0.517413	2.45E-33	0.763069	3.48E-90	0.700998	2.85E-70	0.212867	3.47E-06
6.24E-47	0.523431	3.29E-34	0.810932	#####	0.740983	1.91E-82	0.192929	2.70E-05
1.28E-14	0.285019	3.53E-10	0.636244	2.35E-54	0.479286	3.39E-28	-0.02437	0.59933
1.36E-06	0.480941	2.09E-28	0.634383	5.93E-54	0.481551	1.75E-28	0.140992	0.00226
5.52E-16	0.451055	8.75E-25	0.444638	4.72E-24	0.493673	4.64E-30	0.177329	0.00012
3.29E-23	0.309188	8.38E-12	0.510999	2.00E-32	0.468251	7.98E-27	0.109932	0.01748
3.58E-23	0.331168	2.05E-13	0.694401	1.86E-68	0.592417	1.40E-45	0.266782	4.74E-09
5.88E-25	0.513168	9.88E-33	0.734585	2.38E-80	0.634429	5.79E-54	0.178391	0.00011
2.74E-08	0.584173	4.48E-44	0.651491	9.41E-58	0.546054	1.19E-37	0.265336	5.77E-09
4.69E-14	0.468939	6.58E-27	0.648997	3.49E-57	0.56226	2.80E-40	0.086093	0.06303
9.20E-08	0.209907	4.76E-06	0.534761	6.71E-36	0.336745	7.60E-14	0.022116	0.63357
2.99E-16	0.387107	3.82E-18	0.72157	2.87E-76	0.579654	2.87E-43	0.060706	0.19034
5.80E-33	0.567622	3.50E-41	0.771312	2.71E-93	0.747636	1.08E-84	0.237911	1.97E-07
1.55E-33	0.709493	1.10E-72	0.750809	8.68E-86	0.738726	1.06E-81	0.144641	0.00173
3.14E-26	0.589659	4.52E-45	0.736734	4.78E-81	0.674208	3.41E-63	0.165317	0.00033
5.80E-27	0.258803	1.39E-08	0.497217	1.56E-30	0.550267	2.55E-38	0.289092	1.93E-10
3.53E-19	0.523958	2.75E-34	0.702595	1.02E-70	0.616036	3.88E-50	0.125834	0.00647
2.02E-10	0.422006	1.37E-21	0.680874	6.95E-65	0.520064	1.02E-33	0.089739	0.05262
5.88E-37	0.635448	3.49E-54	0.807648	#####	0.739309	6.85E-82	0.347344	1.09E-14
5.94E-08	0.46299	3.46E-26	0.572793	4.55E-42	0.459695	8.54E-26	0.210698	4.38E-06
4.17E-05	0.194267	2.37E-05	0.539653	1.19E-36	0.376166	3.82E-17	0.135465	0.00336
2.92E-31	0.437744	2.78E-23	0.591368	2.19E-45	0.644181	4.23E-56	0.238644	1.80E-07
9.34E-13	0.273622	1.83E-09	0.364833	3.78E-16	0.407668	3.99E-20	0.24385	9.49E-08
2.45E-16	0.465065	1.94E-26	0.531482	2.10E-35	0.566075	6.40E-41	0.377207	3.08E-17
6.36E-34	0.708525	2.09E-72	0.64924	3.07E-57	0.686523	2.36E-66	0.271174	2.58E-09
1.66E-24	0.248603	5.22E-08	0.494816	3.27E-30	0.487798	2.74E-29	0.172625	0.00018
2.43E-27	0.515084	5.28E-33	0.594143	6.71E-46	0.606826	2.58E-48	0.606503	2.98E-48
1.81E-15	-0.45036	1.05E-24	-0.57405	2.75E-42	-0.52364	3.07E-34	-0.08172	0.07768
0.00052	0.378084	2.57E-17	0.637053	1.57E-54	0.452519	5.93E-25	0.134014	0.00372
1.62E-26	0.499689	7.25E-31	0.500034	6.51E-31	0.515071	5.30E-33	0.051055	0.27087
1.22E-14	0.329496	2.74E-13	0.344609	1.82E-14	0.415648	6.22E-21	0.267336	4.39E-09
4.56E-49	0.613239	1.41E-49	0.553408	7.96E-39	0.720278	7.08E-76	0.257257	1.70E-08
9.61E-38	0.519067	1.42E-33	0.788546	#####	0.739287	6.96E-82	0.249477	4.67E-08
1.35E-21	0.592329	1.46E-45	0.582353	9.49E-44	0.580865	1.75E-43	0.17897	0.0001
2.86E-54	0.598076	1.23E-46	0.856563	#####	0.843556	#####	0.262224	8.79E-09
0.00762	0.181914	7.70E-05	0.436204	4.10E-23	0.252647	3.11E-08	-0.09672	0.03667
5.06E-06	0.185571	5.47E-05	0.462835	3.61E-26	0.317725	2.06E-12	-0.13571	0.0033
2.41E-27	0.48816	2.46E-29	0.612188	2.28E-49	0.612016	2.47E-49	0.21277	3.50E-06
3.76E-22	0.356759	1.83E-15	0.700269	4.54E-70	0.573684	3.19E-42	0.050264	0.27837
1.77E-14	0.258266	1.49E-08	0.504947	1.39E-31	0.419005	2.80E-21	0.180634	8.66E-05
2.97E-18	0.595318	4.05E-46	0.751106	6.84E-86	0.646836	1.08E-56	0.133606	0.00382
2.41E-34	0.620785	4.22E-51	0.549322	3.61E-38	0.61594	4.06E-50	0.212297	3.69E-06

1.49E-33	0.462561	3.89E-26	0.592872	1.16E-45	0.592686	1.25E-45	0.143868	0.00183
6.52E-46	0.353833	3.21E-15	0.689337	4.26E-67	0.626849	2.35E-52	0.14836	0.0013
0.1216	0.214035	3.05E-06	0.27954	7.86E-10	0.141757	0.00214	0.078661	0.08952
8.44E-13	0.395553	6.10E-19	0.626916	2.27E-52	0.512868	1.09E-32	-0.06872	0.13813
1.46E-34	0.531375	2.18E-35	0.694721	1.52E-68	0.701869	1.62E-70	0.196517	1.89E-05
0.93736	0.472722	2.25E-27	0.574411	2.38E-42	0.376013	3.94E-17	0.168216	0.00026
2.35E-16	0.620159	5.67E-51	0.725976	1.27E-77	0.672199	1.08E-62	0.227483	6.76E-07
4.64E-08	0.342263	2.79E-14	0.72719	5.30E-78	0.508904	3.92E-32	0.147322	0.00141
1.14E-09	0.331983	1.77E-13	0.766992	1.20E-91	0.561231	4.15E-40	0.086712	0.06116
3.23E-08	-0.36403	4.43E-16	-0.52314	3.63E-34	-0.42901	2.47E-22	-0.18657	4.98E-05
2.79E-12	0.536159	4.11E-36	0.547349	7.45E-38	0.548863	4.28E-38	0.224815	9.19E-07
2.60E-08	0.356441	1.95E-15	0.648154	5.42E-57	0.465448	1.75E-26	0.043434	0.34899
4.34E-16	0.17805	0.00011	0.618969	9.91E-51	0.480829	2.16E-28	0.270541	2.82E-09
7.21E-17	0.466398	1.34E-26	0.640164	3.28E-55	0.559128	9.25E-40	0.11783	0.01082
1.75E-31	0.45625	2.18E-25	0.756922	6.01E-88	0.704102	3.83E-71	0.019566	0.67321
9.40E-25	0.390829	1.71E-18	0.759668	6.14E-89	0.679286	1.77E-64	0.175822	0.00013
1.10E-16	0.311973	5.33E-12	0.617244	2.22E-50	0.493225	5.32E-30	0.028513	0.53879
4.39E-16	0.607927	1.58E-48	0.740066	3.85E-82	0.652315	6.09E-58	0.258203	1.50E-08
5.94E-11	0.223268	1.10E-06	0.668253	1.01E-61	0.473796	1.66E-27	0.152347	0.00096
2.96E-37	0.742713	5.05E-83	0.79277	#####	0.781546	2.43E-97	0.295266	7.55E-11
1.27E-05	0.360455	8.95E-16	0.427458	3.62E-22	0.378696	2.26E-17	0.178602	0.0001
6.78E-46	0.537442	2.61E-36	0.713031	1.03E-73	0.754444	4.59E-87	0.194197	2.38E-05
4.86E-12	0.313399	4.21E-12	0.633471	9.30E-54	0.484702	6.91E-29	0.20426	8.62E-06
3.95E-32	0.464537	2.25E-26	0.631989	1.93E-53	0.647299	8.46E-57	0.223731	1.04E-06
2.12E-13	0.292972	1.07E-10	0.540181	9.89E-37	0.438931	2.05E-23	0.381216	1.33E-17
2.07E-12	0.607208	2.18E-48	0.637671	1.15E-54	0.537711	2.38E-36	0.188163	4.28E-05
4.75E-27	0.598132	1.20E-46	0.833065	#####	0.723457	7.60E-77	0.153315	0.00089
4.27E-08	0.3594	1.10E-15	0.378945	2.14E-17	0.291376	1.37E-10	-0.00642	0.89001
4.90E-27	0.386682	4.19E-18	0.58968	4.48E-45	0.553791	6.90E-39	0.175003	0.00014
3.64E-17	0.555425	3.74E-39	0.634355	6.01E-54	0.638925	6.13E-55	0.233846	3.21E-07
1.76E-34	0.64669	1.16E-56	0.764397	1.12E-90	0.791364	#####	0.161836	0.00045
3.15E-26	0.577787	6.12E-43	0.794978	#####	0.720317	6.90E-76	0.230725	4.64E-07
3.32E-32	0.467396	1.01E-26	0.646969	1.00E-56	0.624788	6.31E-52	0.21785	2.01E-06
6.68E-17	0.452608	5.79E-25	0.426184	4.95E-22	0.456801	1.88E-25	0.053877	0.24523
7.54E-26	0.552758	1.01E-38	0.542683	4.04E-37	0.589703	4.44E-45	0.06952	0.13358
2.15E-26	0.250265	4.22E-08	0.599235	7.42E-47	0.593245	9.86E-46	0.100645	0.02966
8.60E-34	0.563712	1.60E-40	0.76485	7.60E-91	0.711652	2.60E-73	0.262361	8.63E-09
4.90E-24	0.498015	1.22E-30	0.569632	1.59E-41	0.560411	5.67E-40	0.455477	2.68E-25
2.59E-18	0.19618	1.96E-05	0.603751	1.02E-47	0.520217	9.67E-34	0.144956	0.00169
3.56E-17	0.560879	4.75E-40	0.638137	9.12E-55	0.614266	8.79E-50	0.266192	5.13E-09
4.93E-20	0.263387	7.52E-09	0.403612	1.01E-19	0.442305	8.64E-24	0.108775	0.01871
1.64E-12	0.247489	6.01E-08	0.528288	6.31E-35	0.41169	1.57E-20	0.230781	4.61E-07
6.32E-35	0.558186	1.32E-39	0.581131	1.57E-43	0.629399	6.83E-53	0.233998	3.15E-07
1.03E-10	0.378939	2.15E-17	0.485851	4.91E-29	0.418931	2.85E-21	0.1329	0.00401
1.90E-38	0.359416	1.10E-15	0.628088	1.29E-52	0.620718	4.36E-51	0.337277	6.91E-14

4.27E-33	0.569423	1.73E-41	0.650431	1.65E-57	0.683095	1.86E-65	0.093894	0.04255
6.02E-28	0.602197	2.02E-47	0.538434	1.84E-36	0.60692	2.48E-48	0.477535	5.65E-28
5.67E-25	0.403804	9.63E-20	0.581733	1.22E-43	0.523801	2.90E-34	0.204597	8.32E-06
2.89E-25	0.446233	3.12E-24	0.693814	2.68E-68	0.631574	2.36E-53	0.123147	0.00772
0.42407	0.388665	2.74E-18	0.534407	7.59E-36	0.338862	5.19E-14	0.194294	2.36E-05
1.57E-16	0.543331	3.20E-37	0.727968	3.03E-78	0.63543	3.52E-54	0.345449	1.55E-14
0.00034	0.172154	0.00019	0.49678	1.79E-30	0.300356	3.43E-11	0.042653	0.35773
1.41E-28	0.28233	5.24E-10	0.565665	7.50E-41	0.517113	2.71E-33	0.133184	0.00394
2.11E-12	0.398542	3.14E-19	0.717478	4.93E-75	0.545426	1.50E-37	0.129173	0.00518
1.52E-29	0.563502	1.73E-40	0.549123	3.89E-38	0.599953	5.42E-47	0.176605	0.00012
0.08354	0.191086	3.23E-05	0.531403	2.16E-35	0.307481	1.10E-11	0.229764	5.19E-07
7.31E-14	0.611673	2.89E-49	0.512163	1.37E-32	0.513768	8.12E-33	0.015727	0.73463
1.04E-17	0.325942	5.09E-13	0.734188	3.20E-80	0.591945	1.72E-45	0.018334	0.69272
1.70E-47	0.550342	2.48E-38	0.832838	#####	0.792646	#####	0.202381	1.05E-05
2.91E-20	0.659001	1.69E-59	0.856566	#####	0.745718	4.89E-84	0.308233	9.79E-12
8.98E-12	0.610489	4.95E-49	0.54083	7.84E-37	0.514484	6.43E-33	0.141759	0.00214
2.00E-13	0.348154	9.39E-15	0.566509	5.40E-41	0.486135	4.51E-29	0.222894	1.14E-06
1.35E-30	0.447407	2.29E-24	0.510077	2.69E-32	0.536228	4.01E-36	0.207003	6.47E-06
2.21E-17	0.547431	7.23E-38	0.460108	7.63E-26	0.51146	1.72E-32	0.357741	1.52E-15
1.34E-15	0.312243	5.10E-12	0.690242	2.45E-67	0.513503	8.85E-33	0.255219	2.23E-08
2.96E-29	0.76398	1.60E-90	0.662482	2.52E-60	0.698855	1.12E-69	0.395015	6.87E-19
7.03E-45	0.355897	2.16E-15	0.569145	1.92E-41	0.574911	1.95E-42	0.093645	0.0431
9.26E-35	0.246317	6.97E-08	0.536463	3.69E-36	0.521288	6.76E-34	0.051899	0.26301
4.28E-08	0.328363	3.34E-13	0.697498	2.65E-69	0.476166	8.39E-28	0.266627	4.84E-09
2.41E-19	0.593938	7.33E-46	0.600345	4.57E-47	0.604879	6.16E-48	0.197131	1.78E-05
1.06E-48	-0.53594	4.44E-36	-0.76546	4.50E-91	-0.77053	5.42E-93	-0.28747	2.46E-10
0.01496	0.205123	7.88E-06	0.584763	3.51E-44	0.325933	5.09E-13	0.04924	0.28829
1.24E-09	0.602062	2.15E-47	0.502447	3.06E-31	0.455713	2.52E-25	0.277358	1.08E-09
1.82E-32	0.482492	1.33E-28	0.710359	6.18E-73	0.638012	9.70E-55	0.152922	0.00092
4.40E-38	0.365677	3.20E-16	0.590093	3.76E-45	0.626118	3.34E-52	0.27996	7.40E-10
1.75E-20	0.3017	2.77E-11	0.229786	5.17E-07	0.293913	9.29E-11	0.150738	0.00109
1.61E-19	0.530599	2.85E-35	0.782232	1.28E-97	0.650777	1.37E-57	0.116538	0.01173
9.06E-09	0.476116	8.51E-28	0.742248	7.23E-83	0.558115	1.36E-39	0.106443	0.02141
6.25E-09	-0.30549	1.52E-11	-0.25446	2.46E-08	-0.30379	1.99E-11	-0.13556	0.00333
3.49E-12	-0.37522	4.64E-17	-0.33397	1.25E-13	-0.39804	3.52E-19	-0.10875	0.01874
0.01025	-0.12	0.00944	-0.17594	0.00013	-0.1612	0.00047	0.228585	5.95E-07
1.75E-05	-0.35292	3.82E-15	-0.31523	3.11E-12	-0.34659	1.26E-14	0.167649	0.00027
2.41E-15	-0.34283	2.52E-14	-0.39632	5.15E-19	-0.42379	8.86E-22	-0.3555	2.34E-15
3.15E-11	-0.39557	6.07E-19	-0.347	1.17E-14	-0.38852	2.82E-18	-0.10067	0.02962
2.66E-15	-0.4113	1.72E-20	-0.34628	1.33E-14	-0.42192	1.39E-21	-0.05883	0.20446
0.02564	-0.11762	0.01096	-0.08158	0.07821	-0.11467	0.01315	-0.06306	0.17372
0.00123	-0.21295	3.44E-06	-0.12957	0.00504	-0.1585	0.00059	-0.13423	0.00366
0.88435	-0.15581	0.00073	-0.0663	0.15258	-0.06698	0.1484	-0.05636	0.22411
8.55E-12	-0.38495	6.06E-18	-0.31662	2.47E-12	-0.379	2.12E-17	-0.09407	0.04216
2.64E-15	-0.43148	1.34E-22	-0.37806	2.58E-17	-0.44202	9.29E-24	-0.10953	0.0179

3.29E-08	-0.31286	4.60E-12	-0.22068	1.47E-06	-0.28894	1.97E-10	-0.00465	0.92016
0.00023	-0.26786	4.08E-09	-0.26663	4.84E-09	-0.27672	1.18E-09	-0.06001	0.19546
3.82E-05	-0.19443	2.33E-05	-0.17565	0.00014	-0.21078	4.34E-06	-0.04461	0.33606
6.22E-10	-0.38575	5.12E-18	-0.35436	2.91E-15	-0.38194	1.15E-17	-0.05118	0.26971
0.00122	-0.38971	2.19E-18	-0.32428	6.77E-13	-0.29783	5.08E-11	-0.06144	0.18502
4.50E-07	-0.30438	1.82E-11	-0.26961	3.21E-09	-0.30296	2.27E-11	-0.04342	0.34918
8.44E-10	-0.3724	8.26E-17	-0.32781	3.68E-13	-0.38342	8.38E-18	-0.04957	0.28504
1.67E-13	-0.42069	1.87E-21	-0.37092	1.11E-16	-0.42452	7.42E-22	-0.09308	0.04437
4.53E-14	-0.46037	7.10E-26	-0.40243	1.31E-19	-0.4569	1.83E-25	-0.10926	0.01818
1.62E-08	-0.32049	1.29E-12	-0.27506	1.49E-09	-0.33204	1.76E-13	-0.05638	0.22399
5.55E-06	-0.25578	2.07E-08	-0.18702	4.77E-05	-0.21795	1.99E-06	-0.04905	0.29012
5.32E-05	-0.25186	3.44E-08	-0.25992	1.20E-08	-0.24901	4.96E-08	-0.07715	0.09585
2.82E-09	-0.30944	8.05E-12	-0.3894	2.34E-18	-0.38376	7.80E-18	-0.03036	0.51281
1.46E-14	-0.3897	2.19E-18	-0.37566	4.23E-17	-0.43001	1.93E-22	-0.09262	0.04545
2.07E-11	-0.41394	9.29E-21	-0.35452	2.82E-15	-0.40561	6.39E-20	-0.08527	0.06562
1.18E-14	-0.39827	3.34E-19	-0.35952	1.07E-15	-0.41081	1.93E-20	-0.09953	0.03151
0.02576	-0.16911	0.00024	-0.16604	0.00031	-0.14637	0.00152	-0.03895	0.40108
4.93E-11	-0.39374	9.09E-19	-0.31433	3.61E-12	-0.38129	1.31E-17	-0.10513	0.02308
2.44E-15	-0.4567	1.93E-25	-0.40088	1.87E-19	-0.46005	7.76E-26	-0.11211	0.01536
0.00226	-0.36945	1.50E-16	-0.37089	1.12E-16	-0.33035	2.36E-13	-0.12664	0.00614
5.03E-09	-0.44279	7.62E-24	-0.30992	7.44E-12	-0.38194	1.14E-17	-0.08674	0.06106
2.08E-13	-0.37388	6.10E-17	-0.37611	3.86E-17	-0.42931	2.29E-22	-0.01403	0.76229
0.00017	-0.26577	5.44E-09	-0.21557	2.58E-06	-0.2194	1.69E-06	-0.03774	0.41578
2.79E-13	-0.42422	7.98E-22	-0.36643	2.75E-16	-0.42106	1.72E-21	-0.21848	1.88E-06
1.01E-06	-0.52006	1.02E-33	-0.49454	3.56E-30	-0.45497	3.08E-25	-0.11122	0.01619
2.79E-16	-0.47167	3.03E-27	-0.42664	4.43E-22	-0.4824	1.36E-28	-0.10325	0.02566
3.47E-11	-0.38674	4.14E-18	-0.33782	6.26E-14	-0.38645	4.40E-18	-0.09143	0.04831
0.00301	-0.265	6.04E-09	-0.26177	9.35E-09	-0.2549	2.32E-08	0.093725	0.04292
5.13E-08	-0.50076	5.18E-31	-0.38562	5.26E-18	-0.42796	3.20E-22	-0.05319	0.25133
7.81E-08	-0.28324	4.59E-10	-0.23872	1.78E-07	-0.29712	5.67E-11	-0.0476	0.3047
1.32E-08	-0.36143	7.40E-16	-0.35373	3.27E-15	-0.36479	3.81E-16	-0.0856	0.06456
8.09E-12	-0.43076	1.60E-22	-0.40283	1.20E-19	-0.42408	8.26E-22	-0.09316	0.0442
2.10E-06	-0.27072	2.75E-09	-0.22604	7.99E-07	-0.28136	6.04E-10	-0.10029	0.03024
8.22E-10	-0.49231	7.02E-30	-0.37035	1.25E-16	-0.41924	2.65E-21	-0.04527	0.32894
4.04E-19	-0.4759	9.05E-28	-0.41798	3.58E-21	-0.52854	5.79E-35	-0.14036	0.00236
0.27052	-0.11775	0.01088	-0.09688	0.03635	-0.06269	0.17627	0.353842	3.21E-15
3.75E-05	-0.30166	2.79E-11	-0.22928	5.49E-07	-0.2781	9.68E-10	-0.03497	0.45088
0.99252	-0.10651	0.02133	-0.01666	0.71959	-0.03023	0.51457	-0.08826	0.05666
0.0654	-0.1862	5.15E-05	0.149047	0.00124	0.071645	0.12208	-0.10113	0.02887
2.08E-10	-0.40828	3.46E-20	-0.34443	1.88E-14	-0.38465	6.45E-18	-0.08047	0.08238
0.00469	-0.22045	1.51E-06	-0.14023	0.00239	-0.20902	5.23E-06	0.201076	1.20E-05
1.56E-11	-0.38968	2.20E-18	-0.34911	7.85E-15	-0.39107	1.63E-18	-0.11281	0.01473
5.06E-06	-0.33371	1.31E-13	-0.18686	4.84E-05	-0.26587	5.36E-09	0.031492	0.49721
7.32E-05	-0.2063	6.97E-06	-0.12619	0.00632	-0.18723	4.68E-05	-0.02307	0.61896
1.00E-20	-0.35113	5.37E-15	-0.40087	1.87E-19	-0.46324	3.22E-26	-0.24412	9.17E-08

1.91E-14	-0.17471	0.00015	-0.21783	2.01E-06	-0.29633	6.41E-11	0.041843	0.36695
0.00112	-0.14892	0.00125	-0.21986	1.61E-06	-0.2082	5.70E-06	-0.11993	0.00948
0.01491	-0.2034	9.42E-06	-0.21459	2.88E-06	-0.22105	1.41E-06	0.077152	0.09585
3.55E-20	-0.40075	1.92E-19	-0.32475	6.24E-13	-0.45793	1.38E-25	-0.15558	0.00074
0.00019	-0.42473	7.06E-22	-0.27782	1.01E-09	-0.3008	3.20E-11	-0.00119	0.97956
1.16E-08	-0.48354	9.75E-29	-0.31828	1.87E-12	-0.37533	4.54E-17	-0.15693	0.00067
8.76E-09	-0.367	2.45E-16	-0.32383	7.31E-13	-0.36023	9.36E-16	-0.08733	0.05933
6.53E-12	-0.39452	7.65E-19	-0.34439	1.89E-14	-0.40047	2.04E-19	-0.08653	0.06169
7.13E-12	-0.35067	5.85E-15	-0.24898	4.98E-08	-0.35389	3.18E-15	-0.06353	0.17052
1.94E-11	-0.36351	4.91E-16	-0.3035	2.09E-11	-0.36956	1.47E-16	-0.08823	0.05674
5.22E-12	-0.40959	2.56E-20	-0.40091	1.85E-19	-0.44486	4.45E-24	0.008319	0.85771
4.76E-11	-0.33767	6.44E-14	-0.31564	2.91E-12	-0.36234	6.18E-16	-0.03428	0.45993
1.12E-10	-0.37857	2.32E-17	-0.32131	1.12E-12	-0.37242	8.22E-17	-0.10173	0.02793
1.09E-06	-0.23813	1.92E-07	-0.21174	3.91E-06	-0.25152	3.59E-08	-0.16173	0.00045
2.83E-07	-0.27815	9.60E-10	-0.21692	2.23E-06	-0.27265	2.10E-09	-0.15328	0.00089
6.14E-12	-0.40892	2.99E-20	-0.37752	2.88E-17	-0.40933	2.72E-20	-0.10484	0.02346
1.41E-11	-0.2956	7.17E-11	-0.30253	2.44E-11	-0.35022	6.38E-15	-0.09427	0.04173
9.23E-12	-0.4176	3.92E-21	-0.37171	9.51E-17	-0.42371	9.05E-22	-0.06069	0.1905
6.98E-10	-0.29807	4.90E-11	-0.34555	1.53E-14	-0.36184	6.83E-16	-0.35411	3.05E-15
9.78E-17	-0.47502	1.17E-27	-0.39506	6.79E-19	-0.46837	7.72E-27	-0.11988	0.00951
2.03E-07	-0.28256	5.07E-10	-0.33529	9.85E-14	-0.34163	3.14E-14	-0.19824	1.59E-05
3.13E-29	-0.53206	1.72E-35	-0.44172	1.00E-23	-0.57003	1.36E-41	-0.24114	1.33E-07
1.17E-09	-0.26235	8.65E-09	-0.0395	0.39442	-0.21665	2.29E-06	-0.09906	0.03233
5.73E-13	0.110792	0.01661	0.106967	0.02078	-0.0924	0.04597	-0.05746	0.21523
1.25E-13	-0.37935	1.97E-17	-0.29457	8.40E-11	-0.38658	4.28E-18	-0.1058	0.02222
8.06E-06	-0.27555	1.39E-09	-0.20524	7.79E-06	-0.25594	2.03E-08	-0.1343	0.00364
6.25E-20	-0.53367	9.83E-36	-0.44981	1.22E-24	-0.52497	1.95E-34	-0.1561	0.00071
2.65E-15	-0.51195	1.47E-32	-0.44404	5.52E-24	-0.49674	1.81E-30	-0.11604	0.0121
9.56E-18	-0.4749	1.21E-27	-0.40171	1.55E-19	-0.48133	1.87E-28	-0.12389	0.00735
2.61E-07	-0.2379	1.97E-07	-0.2102	4.61E-06	-0.26723	4.45E-09	-0.20546	7.61E-06
5.50E-06	-0.41969	2.38E-21	-0.42229	1.27E-21	-0.39741	4.04E-19	-0.02418	0.60225
5.89E-06	-0.42776	3.36E-22	-0.29389	9.32E-11	-0.32108	1.17E-12	-0.05832	0.20838
4.61E-05	-0.21408	3.04E-06	-0.16315	0.0004	-0.2114	4.06E-06	0.049987	0.28103
1.11E-13	-0.46704	1.12E-26	-0.24885	5.06E-08	-0.38673	4.14E-18	-0.17547	0.00014
1.26E-10	-0.58974	4.36E-45	-0.34856	8.70E-15	-0.47934	3.34E-28	-0.13906	0.0026
2.26E-05	-0.25731	1.69E-08	-0.20598	7.20E-06	-0.24665	6.68E-08	-0.22881	5.80E-07
3.11E-17	-0.41334	1.07E-20	-0.35318	3.64E-15	-0.43809	2.54E-23	-0.13701	0.00301
0.3427	-0.12085	0.00895	0.000693	0.98808	-0.02198	0.63572	-0.0504	0.27706
0.58136	-0.06255	0.17723	-0.10054	0.02983	-0.07396	0.11043	0.355907	2.16E-15
2.21E-19	0.557391	1.79E-39	0.389985	2.06E-18	0.532804	1.33E-35	0.160823	0.00049
6.72E-22	-0.49665	1.86E-30	-0.47932	3.36E-28	-0.54813	5.60E-38	-0.13771	0.00286
9.82E-15	-0.38041	1.58E-17	-0.27746	1.06E-09	-0.40981	2.43E-20	-0.15523	0.00076
3.81E-10	-0.20659	6.76E-06	-0.17931	9.78E-05	-0.24718	6.25E-08	-0.30541	1.54E-11
3.92E-14	-0.2831	4.68E-10	-0.17998	9.19E-05	-0.33275	1.55E-13	-0.19393	2.45E-05
0.00036	-0.27467	1.58E-09	-0.21178	3.90E-06	-0.23006	5.01E-07	-0.16829	0.00026

8.44E-05	-0.25892	1.37E-08	-0.20959	4.92E-06	-0.2505	4.10E-08	-0.04596	0.32165
5.16E-06	0.027136	0.55858	0.126119	0.00635	0.170092	0.00022	0.042135	0.36361
0.0005	-0.2612	1.01E-08	-0.19662	1.87E-05	-0.20175	1.12E-05	-0.01717	0.71125
0.00768	-0.35814	1.40E-15	-0.38339	8.43E-18	-0.3423	2.78E-14	-0.07202	0.12013
2.96E-14	-0.32891	3.04E-13	-0.34281	2.53E-14	-0.38762	3.43E-18	-0.30495	1.66E-11
8.74E-09	-0.46195	4.60E-26	-0.30649	1.30E-11	-0.36979	1.40E-16	-0.1977	1.68E-05
0.00096	-0.32772	3.74E-13	-0.29569	7.07E-11	-0.31533	3.06E-12	-0.09211	0.04665
4.73E-10	0.345946	1.42E-14	0.33994	4.27E-14	0.345863	1.44E-14	0.151137	0.00105
2.34E-09	-0.39777	3.73E-19	-0.33463	1.11E-13	-0.37476	5.09E-17	-0.11071	0.01669
6.78E-09	-0.2742	1.69E-09	-0.24628	7.00E-08	-0.28773	2.36E-10	-0.06666	0.15036
9.80E-11	-0.42604	5.13E-22	-0.3336	1.33E-13	-0.40134	1.68E-19	-0.09473	0.04073
1.14E-13	-0.45366	4.37E-25	-0.40624	5.54E-20	-0.45324	4.88E-25	-0.11813	0.01062
6.42E-14	-0.43199	1.18E-22	-0.4362	4.11E-23	-0.48497	6.38E-29	-0.11847	0.0104
4.16E-09	-0.38481	6.25E-18	-0.31714	2.27E-12	-0.36295	5.49E-16	-0.0855	0.06487
8.82E-09	-0.33887	5.18E-14	-0.3062	1.36E-11	-0.37023	1.28E-16	-0.22143	1.35E-06
0.00041	-0.23571	2.57E-07	-0.38507	5.91E-18	-0.3163	2.61E-12	-0.05401	0.24409
4.34E-09	-0.33343	1.37E-13	-0.19584	2.03E-05	-0.33175	1.85E-13	0.026416	0.56907
1.41E-05	0.365486	3.32E-16	0.122121	0.00824	0.242594	1.11E-07	-0.20679	6.62E-06
1.52E-12	-0.40403	9.15E-20	-0.35049	6.06E-15	-0.41325	1.09E-20	-0.12634	0.00626
1.36E-09	-0.39203	1.32E-18	-0.34123	3.38E-14	-0.38772	3.35E-18	-0.0912	0.04888
3.63E-08	-0.1924	2.84E-05	-0.1504	0.00111	-0.24039	1.45E-07	-0.24234	1.14E-07
2.14E-08	-0.36217	6.40E-16	-0.28614	2.99E-10	-0.34394	2.05E-14	-0.01683	0.71684
0.01032	-0.29573	7.03E-11	-0.16104	0.00048	-0.19245	2.83E-05	-0.09207	0.04675
5.95E-12	-0.40634	5.41E-20	-0.34898	8.05E-15	-0.40325	1.09E-19	-0.0969	0.03632
2.30E-06	-0.33815	5.90E-14	-0.26296	7.97E-09	-0.30109	3.05E-11	-0.09206	0.04677
0.99747	0.006228	0.89322	0.106826	0.02095	0.036553	0.43067	0.049783	0.283
1.65E-06	-0.19908	1.46E-05	-0.0981	0.03406	-0.22694	7.20E-07	0.013085	0.77792
2.10E-06	-0.29604	6.70E-11	-0.1959	2.01E-05	-0.27534	1.43E-09	-0.1183	0.01051
6.66E-13	-0.46047	6.92E-26	-0.45855	1.17E-25	-0.47623	8.23E-28	-0.0197	0.67107
1.73E-10	-0.27661	1.20E-09	-0.13488	0.0035	-0.26207	8.98E-09	-0.18455	6.02E-05
6.90E-13	-0.45952	8.96E-26	-0.38142	1.28E-17	-0.43227	1.10E-22	-0.10436	0.02412
4.54E-06	-0.35456	2.79E-15	-0.30721	1.15E-11	-0.35139	5.11E-15	-0.00809	0.86163
0.2113	-0.14058	0.00233	-0.02219	0.63238	-0.03705	0.42443	0.007153	0.87748
0.00511	-0.3179	2.00E-12	-0.23329	3.42E-07	-0.22672	7.38E-07	0.085658	0.06438
7.64E-21	-0.48537	5.67E-29	-0.49909	8.73E-31	-0.54388	2.62E-37	-0.24556	7.66E-08
1.34E-16	-0.46427	2.42E-26	-0.39899	2.84E-19	-0.47135	3.33E-27	-0.1697	0.00023
0.05055	-0.26263	8.33E-09	-0.09109	0.04914	-0.1705	0.00021	0.033814	0.46601
7.03E-06	-0.35065	5.88E-15	-0.27766	1.03E-09	-0.30302	2.25E-11	-0.04568	0.32465
1.38E-11	-0.18335	6.73E-05	-0.09913	0.03221	-0.22825	6.18E-07	-0.05379	0.24601
8.61E-10	-0.3905	1.84E-18	-0.16911	0.00024	-0.35271	3.98E-15	-0.17089	0.00021
1.65E-11	-0.39403	8.53E-19	-0.3366	7.79E-14	-0.42046	1.98E-21	-0.13059	0.00471
8.84E-11	-0.38606	4.78E-18	-0.35701	1.75E-15	-0.39411	8.38E-19	-0.07709	0.0961
3.71E-09	-0.41332	1.07E-20	-0.27092	2.67E-09	-0.34138	3.29E-14	-0.11196	0.01549
3.57E-20	-0.44496	4.35E-24	-0.44168	1.01E-23	-0.48983	1.49E-29	-0.21124	4.13E-06
1.48E-17	-0.39793	3.60E-19	-0.35028	6.30E-15	-0.4344	6.47E-23	-0.09318	0.04416

8.25E-14	-0.46948	5.65E-27	-0.39673	4.71E-19	-0.44806	1.93E-24	-0.10005	0.03064
9.01E-10	-0.34896	8.07E-15	-0.32687	4.33E-13	-0.37553	4.35E-17	-0.11746	0.01107
0.00013	-0.25044	4.13E-08	-0.20478	8.17E-06	-0.21887	1.80E-06	-0.06589	0.15512
0.42175	0.309558	7.90E-12	0.299131	4.15E-11	0.253583	2.75E-08	-0.04931	0.2876
0.49591	-0.23234	3.83E-07	-0.06861	0.13878	-0.09232	0.04616	-0.02561	0.58087
5.65E-11	-0.42279	1.13E-21	-0.35981	1.02E-15	-0.40785	3.82E-20	-0.20947	4.99E-06
1.36E-07	-0.41466	7.85E-21	-0.18531	5.61E-05	-0.3304	2.34E-13	-0.07581	0.10181
2.72E-29	-0.51371	8.28E-33	-0.4965	1.95E-30	-0.57981	2.69E-43	-0.26272	8.23E-09
8.84E-11	-0.30973	7.67E-12	-0.31652	2.51E-12	-0.3571	1.72E-15	-0.08841	0.05623
2.95E-13	-0.43084	1.57E-22	-0.32152	1.08E-12	-0.39738	4.07E-19	-0.12173	0.00845
3.60E-09	-0.31824	1.89E-12	-0.2389	1.74E-07	-0.31313	4.40E-12	-0.00082	0.98591
1.26E-15	-0.42797	3.19E-22	-0.37296	7.36E-17	-0.44353	6.30E-24	-0.10911	0.01834
2.39E-15	-0.50834	4.70E-32	-0.39077	1.73E-18	-0.46281	3.63E-26	-0.21597	2.47E-06
1.69E-08	-0.42527	6.19E-22	-0.29992	3.67E-11	-0.36289	5.55E-16	-0.18803	4.33E-05
3.47E-08	-0.30645	1.30E-11	-0.25622	1.95E-08	-0.30469	1.73E-11	-0.02068	0.65573
1.26E-14	-0.25686	1.80E-08	-0.17646	0.00013	-0.33321	1.43E-13	-0.01546	0.73892
2.47E-06	-0.31942	1.55E-12	-0.28563	3.23E-10	-0.32057	1.27E-12	-0.0651	0.16015
1.04E-05	-0.33605	8.61E-14	-0.11098	0.01643	-0.22472	9.29E-07	-0.1292	0.00517
5.01E-11	0.325432	5.55E-13	0.364618	3.94E-16	0.375769	4.14E-17	-0.02105	0.65004
2.70E-13	-0.35315	3.66E-15	-0.34892	8.14E-15	-0.38207	1.12E-17	-0.07076	0.12675
1.33E-14	-0.48635	4.23E-29	-0.44492	4.39E-24	-0.4893	1.75E-29	0.012069	0.79477
6.04E-18	-0.47558	9.93E-28	-0.46343	3.06E-26	-0.50776	5.66E-32	-0.13897	0.00261
4.22E-10	-0.40193	1.47E-19	-0.32453	6.49E-13	-0.39418	8.25E-19	-0.10028	0.03026
2.39E-21	0.416989	4.53E-21	0.40339	1.06E-19	0.488252	2.39E-29	0.11372	0.01394
0.00053	-0.2722	2.23E-09	-0.22966	5.25E-07	-0.24303	1.05E-07	-0.04849	0.29569
6.14E-07	-0.23887	1.75E-07	0.01967	0.67158	-0.1897	3.69E-05	-0.16085	0.00048
0.00287	-0.20114	1.19E-05	-0.08869	0.05545	-0.1606	0.00049	0.012477	0.788
2.11E-08	-0.33583	8.95E-14	-0.30304	2.24E-11	-0.32236	9.40E-13	-0.15294	0.00091
0.00276	-0.25119	3.75E-08	-0.20523	7.79E-06	-0.20957	4.94E-06	-0.0427	0.3572
7.31E-14	-0.25357	2.76E-08	-0.28353	4.40E-10	-0.34069	3.73E-14	-0.00798	0.86345
0.00132	-0.18119	8.23E-05	-0.16641	0.0003	-0.19033	3.48E-05	-0.02209	0.63395
0.00067	-0.31733	2.20E-12	-0.30429	1.84E-11	-0.28703	2.62E-10	-0.25297	2.98E-08
0.0001	-0.36829	1.90E-16	-0.26544	5.69E-09	-0.28949	1.82E-10	-0.06801	0.14225
0.00018	-0.13125	0.0045	-0.15218	0.00097	-0.19495	2.21E-05	-0.03159	0.49592
1.42E-08	-0.42516	6.36E-22	-0.32749	3.89E-13	-0.37698	3.22E-17	-0.09296	0.04467
0.00031	-0.24669	6.65E-08	-0.22041	1.51E-06	-0.22197	1.27E-06	-0.04439	0.33853
0.73596	-0.11341	0.0142	-0.12263	0.00798	-0.07227	0.11884	0.000712	0.98776
0.04064	-0.13934	0.00255	-0.07331	0.11364	-0.11238	0.01511	-0.05699	0.21901
0.00059	-0.14208	0.00208	-0.14315	0.00193	-0.1639	0.00038	-0.20607	7.14E-06
7.11E-17	-0.44238	8.48E-24	-0.50403	1.86E-31	-0.50046	5.70E-31	-0.17672	0.00012
1.48E-22	0.367905	2.05E-16	0.285349	3.36E-10	0.395762	5.82E-19	0.255138	2.25E-08
5.05E-11	-0.41964	2.41E-21	-0.29742	5.41E-11	-0.36424	4.25E-16	-0.1461	0.00155
1.44E-17	-0.45186	7.07E-25	-0.42501	6.60E-22	-0.47973	2.99E-28	-0.37091	1.12E-16
1.05E-09	0.344095	2.00E-14	0.168471	0.00026	0.246004	7.25E-08	0.223646	1.05E-06
0.34157	-0.25251	3.17E-08	-0.10396	0.02467	-0.1077	0.01991	-0.04003	0.38807



5.71E-07	0.425567	5.76E-22	0.390079	2.02E-18	0.388587	2.78E-18	0.107301	0.02038
4.42E-08	-0.38853	2.82E-18	-0.25312	2.92E-08	-0.31877	1.73E-12	-0.06219	0.17974
0.04202	-0.14374	0.00185	-0.18056	8.72E-05	-0.15374	0.00086	0.039137	0.39877
2.08E-06	-0.28435	3.90E-10	-0.2769	1.15E-09	-0.30166	2.79E-11	-0.09582	0.03846
0.0014	-0.15161	0.00101	-0.21954	1.67E-06	-0.19283	2.72E-05	-0.01034	0.82363
1.80E-06	-0.3262	4.86E-13	-0.20761	6.07E-06	-0.26528	5.82E-09	-0.11029	0.01711
8.27E-14	-0.4443	5.16E-24	-0.44242	8.39E-24	-0.46718	1.08E-26	-0.10256	0.02668
1.15E-07	-0.33636	8.14E-14	-0.29486	8.03E-11	-0.32862	3.20E-13	-0.05441	0.24062
7.85E-16	-0.52739	8.57E-35	-0.43889	2.07E-23	-0.49057	1.19E-29	-0.13353	0.00384
2.00E-16	-0.47431	1.43E-27	-0.41888	2.89E-21	-0.47594	8.95E-28	-0.11642	0.01181
0.00311	-0.12152	0.00857	-0.08825	0.0567	-0.12959	0.00504	-0.09396	0.0424
5.79E-14	-0.43667	3.64E-23	-0.37535	4.51E-17	-0.438	2.60E-23	-0.11014	0.01726
0.00083	0.245943	7.30E-08	0.070237	0.12961	0.135088	0.00345	0.000126	0.99784
0.64074	-0.09125	0.04874	-0.01785	0.70047	-0.06368	0.16948	-0.11084	0.01657
8.19E-09	-0.38218	1.09E-17	-0.32189	1.02E-12	-0.367	2.45E-16	-0.13025	0.00481
2.06E-05	-0.26439	6.57E-09	-0.27105	2.62E-09	-0.26148	9.72E-09	-0.21683	2.25E-06
5.66E-08	-0.28231	5.25E-10	-0.23247	3.77E-07	-0.29462	8.33E-11	-0.02001	0.66626
0.00257	-0.30862	9.19E-12	-0.2073	6.28E-06	-0.2687	3.64E-09	-0.0149	0.74804
6.63E-19	-0.46173	4.89E-26	-0.4674	1.01E-26	-0.50647	8.56E-32	-0.27227	2.21E-09
0.02035	-0.31688	2.37E-12	-0.20071	1.24E-05	-0.22863	5.92E-07	0.110115	0.01729
0.21557	-0.25903	1.35E-08	-0.11052	0.01688	-0.16143	0.00046	0.066733	0.14991
3.41E-07	-0.28173	5.72E-10	-0.25559	2.12E-08	-0.2877	2.37E-10	-0.19922	1.44E-05
0.25085	-0.19441	2.33E-05	0.088639	0.0556	-0.07084	0.12637	-0.0277	0.55039
3.44E-12	-0.37838	2.41E-17	-0.3369	7.39E-14	-0.38224	1.08E-17	-0.08198	0.07675
2.40E-11	-0.35557	2.30E-15	-0.28799	2.27E-10	-0.34561	1.51E-14	-0.11735	0.01115
0.00622	-0.11936	0.00983	-0.11991	0.00949	-0.12961	0.00503	-0.01149	0.80439
6.29E-06	-0.24277	1.08E-07	-0.15827	0.0006	-0.23872	1.78E-07	-0.10011	0.03054
0.5316	-0.1855	5.50E-05	-0.09781	0.03459	-0.12058	0.0091	-0.03151	0.497
3.01E-37	-0.46311	3.34E-26	-0.54978	3.05E-38	-0.60368	1.05E-47	-0.20079	1.23E-05
3.14E-10	-0.31471	3.40E-12	-0.297	5.77E-11	-0.33695	7.32E-14	-0.12354	0.00752
8.33E-05	-0.19893	1.49E-05	-0.17871	0.0001	-0.19233	2.86E-05	-0.01963	0.67225
5.09E-13	-0.37461	5.26E-17	-0.18837	4.19E-05	-0.34177	3.06E-14	-0.09992	0.03085
4.27E-10	-0.45009	1.13E-24	-0.36637	2.79E-16	-0.41285	1.20E-20	-0.05686	0.22004
1.30E-07	-0.36023	9.35E-16	-0.30079	3.20E-11	-0.34041	3.92E-14	-0.06528	0.15901
7.88E-07	-0.37975	1.81E-17	-0.13095	0.00459	-0.26726	4.43E-09	0.017347	0.70848
8.13E-16	-0.47874	3.98E-28	-0.36877	1.72E-16	-0.46021	7.42E-26	-0.17144	0.0002
0.61966	-0.19275	2.74E-05	-0.17283	0.00017	-0.11644	0.0118	-0.01616	0.72761
1.58E-17	-0.45464	3.36E-25	-0.45287	5.40E-25	-0.49539	2.74E-30	-0.17181	0.00019
0.00186	-0.24533	7.89E-08	-0.21372	3.16E-06	-0.22533	8.66E-07	-0.04791	0.30148
0.00025	-0.27782	1.01E-09	-0.2966	6.15E-11	-0.28778	2.34E-10	-0.04124	0.37394
4.74E-13	-0.51454	6.32E-33	-0.49291	5.86E-30	-0.51848	1.72E-33	-0.04954	0.28536
0.00283	-0.21695	2.22E-06	-0.14779	0.00136	-0.17188	0.00019	-0.00056	0.99034
2.62E-15	-0.47078	3.92E-27	-0.36469	3.89E-16	-0.47056	4.17E-27	-0.06052	0.19169
7.92E-06	-0.20737	6.23E-06	-0.14944	0.0012	-0.21299	3.42E-06	0.140557	0.00233
2.15E-10	0.30438	1.81E-11	0.347751	1.01E-14	0.370616	1.19E-16	-0.09864	0.03308

0.00136	-0.23356	3.32E-07	-0.22354	1.06E-06	-0.23652	2.33E-07	-0.03207	0.48938
1.70E-10	-0.37532	4.54E-17	-0.32488	6.10E-13	-0.36298	5.45E-16	-0.20101	1.20E-05
6.64E-08	-0.24271	1.09E-07	-0.21021	4.61E-06	-0.2753	1.44E-09	-0.06286	0.17509
2.19E-07	-0.31566	2.90E-12	-0.31827	1.88E-12	-0.33909	4.98E-14	-0.05911	0.2023
4.46E-10	-0.22885	5.77E-07	-0.24056	1.42E-07	-0.30422	1.86E-11	0.024095	0.6035
9.18E-05	-0.29419	8.90E-11	-0.09526	0.03962	-0.18098	8.39E-05	-0.13039	0.00477
0.00023	-0.42762	3.48E-22	-0.27515	1.47E-09	-0.31306	4.45E-12	-0.06433	0.16515
2.03E-12	-0.33843	5.61E-14	-0.33026	2.40E-13	-0.39593	5.61E-19	-0.00561	0.90374
2.24E-12	-0.42982	2.02E-22	-0.3897	2.19E-18	-0.42087	1.79E-21	-0.24694	6.45E-08
0.03247	-0.21814	1.95E-06	-0.15652	0.00069	-0.19126	3.17E-05	0.003857	0.93376
0.00683	-0.20909	5.19E-06	-0.18004	9.15E-05	-0.21358	3.21E-06	-0.02471	0.59431
3.78E-05	-0.23316	3.48E-07	-0.32352	7.71E-13	-0.28881	2.01E-10	-0.02074	0.65488
0.16543	-0.4308	1.59E-22	-0.24766	5.88E-08	-0.25741	1.67E-08	-0.1407	0.00231
6.01E-17	-0.47988	2.86E-28	-0.40964	2.53E-20	-0.49266	6.31E-30	-0.13736	0.00293
0.00206	-0.20887	5.31E-06	-0.18147	8.02E-05	-0.21157	3.99E-06	-0.00806	0.86215
1.19E-15	-0.40695	4.70E-20	-0.40478	7.71E-20	-0.44483	4.49E-24	-0.12231	0.00815
2.26E-16	0.338264	5.78E-14	0.290085	1.66E-10	0.41352	1.03E-20	0.081968	0.0768
1.94E-06	-0.3474	1.08E-14	-0.27135	2.52E-09	-0.33747	6.67E-14	-0.24002	1.52E-07
0.04383	-0.27633	1.25E-09	-0.22572	8.29E-07	-0.22264	1.18E-06	-0.03192	0.49138
3.97E-08	-0.33562	9.29E-14	-0.31454	3.49E-12	-0.35693	1.77E-15	-0.10957	0.01785
6.48E-13	-0.30859	9.24E-12	-0.29423	8.85E-11	-0.35761	1.55E-15	-0.07686	0.09712
5.75E-11	-0.34573	1.47E-14	-0.30948	8.00E-12	-0.36689	2.51E-16	-0.07357	0.11234
0.00124	-0.37955	1.89E-17	-0.25884	1.38E-08	-0.29811	4.86E-11	0.046732	0.31358
0.00143	-0.2319	4.04E-07	-0.12353	0.00753	-0.19064	3.37E-05	-0.00515	0.91154
6.36E-06	-0.38346	8.31E-18	-0.31718	2.25E-12	-0.3199	1.43E-12	-0.21227	3.70E-06
2.96E-11	-0.35454	2.81E-15	-0.37046	1.22E-16	-0.4023	1.35E-19	-0.28785	2.32E-10
0.16664	-0.2057	7.42E-06	-0.04118	0.37463	-0.12006	0.00941	-0.06742	0.14573
2.23E-12	-0.37435	5.54E-17	-0.30145	2.89E-11	-0.3824	1.04E-17	-0.10062	0.0297
0.30699	-0.17559	0.00014	-0.01623	0.72641	-0.09427	0.04172	-0.06991	0.13141
6.36E-05	-0.27751	1.05E-09	-0.25019	4.26E-08	-0.25743	1.67E-08	-0.02988	0.51949
1.53E-12	-0.38194	1.15E-17	-0.32778	3.70E-13	-0.38876	2.68E-18	-0.11836	0.01047
0.00807	-0.13434	0.00363	-0.12992	0.00492	-0.15742	0.00064	-0.03405	0.46297
0.00351	-0.14028	0.00238	-0.13081	0.00463	-0.14913	0.00123	-0.00896	0.84679
1.76E-06	-0.29842	4.64E-11	-0.29898	4.25E-11	-0.31282	4.64E-12	-0.02078	0.65426
4.12E-24	-0.41516	6.97E-21	-0.40672	4.96E-20	-0.5281	6.74E-35	-0.21881	1.81E-06
4.34E-13	-0.41791	3.64E-21	-0.37074	1.16E-16	-0.42802	3.16E-22	-0.07455	0.10761
1.32E-15	-0.48301	1.14E-28	-0.41198	1.47E-20	-0.4752	1.11E-27	-0.10532	0.02283
5.87E-06	-0.26066	1.08E-08	-0.28178	5.68E-10	-0.27171	2.39E-09	-0.13034	0.00478
0.09209	-0.26089	1.05E-08	-0.2052	7.81E-06	-0.2144	2.94E-06	-0.17997	9.20E-05
0.00054	-0.43077	1.60E-22	-0.33829	5.76E-14	-0.31452	3.50E-12	-0.06656	0.15095
0.00257	-0.28822	2.20E-10	-0.24036	1.46E-07	-0.24546	7.76E-08	-0.05025	0.27847
7.56E-06	-0.34875	8.41E-15	-0.28724	2.54E-10	-0.31264	4.78E-12	-0.08037	0.08275
6.50E-08	-0.38298	9.20E-18	-0.29749	5.36E-11	-0.36692	2.49E-16	0.069145	0.13569
6.61E-11	-0.40918	2.81E-20	-0.36243	6.07E-16	-0.40366	9.96E-20	-0.10971	0.01771
1.29E-13	-0.49431	3.82E-30	-0.4328	9.66E-23	-0.47274	2.24E-27	-0.09195	0.04704

4.48E-15	-0.33357	1.34E-13	-0.36394	4.51E-16	-0.40437	8.47E-20	-0.04954	0.28531
4.80E-10	0.335445	9.59E-14	0.204344	8.54E-06	0.296222	6.52E-11	-0.11322	0.01437
0.0072	-0.24352	9.88E-08	-0.18609	5.21E-05	-0.19361	2.52E-05	-0.07577	0.10198
0.41174	-0.06317	0.17295	0.024448	0.5982	-0.02789	0.54769	0.04469	0.33522
0.15465	-0.18952	3.76E-05	-0.12221	0.0082	-0.10254	0.02671	0.011029	0.8121
2.86E-06	-0.29355	9.81E-11	-0.24734	6.12E-08	-0.2799	7.46E-10	-0.05014	0.27958
1.05E-11	-0.38932	2.38E-18	-0.3499	6.78E-15	-0.40259	1.27E-19	-0.06154	0.18431
3.25E-10	-0.32671	4.46E-13	-0.26976	3.14E-09	-0.32552	5.47E-13	-0.08425	0.0689
1.26E-25	-0.44072	1.30E-23	-0.45387	4.13E-25	-0.54155	6.06E-37	-0.26802	3.99E-09
3.61E-31	0.57072	1.03E-41	0.334652	1.10E-13	0.510426	2.40E-32	0.287238	2.54E-10
1.82E-15	-0.45448	3.50E-25	-0.3853	5.62E-18	-0.45742	1.59E-25	-0.10841	0.01911
4.23E-07	-0.21989	1.60E-06	-0.20984	4.80E-06	-0.27693	1.14E-09	-0.02865	0.53691
5.56E-05	-0.38711	3.82E-18	-0.29725	5.56E-11	-0.32336	7.92E-13	-0.09544	0.03923
0.16383	-0.20212	1.07E-05	-0.10951	0.01792	-0.07724	0.09549	0.174512	0.00015
3.63E-12	-0.26009	1.17E-08	-0.26482	6.19E-09	-0.33069	2.23E-13	-0.12779	0.00568
2.33E-18	-0.39284	1.11E-18	-0.3903	1.92E-18	-0.45091	9.09E-25	-0.19199	2.96E-05
1.44E-28	-0.3988	2.97E-19	-0.46477	2.11E-26	-0.52417	2.56E-34	-0.34003	4.20E-14
3.33E-13	-0.43959	1.73E-23	-0.39597	5.56E-19	-0.44268	7.84E-24	-0.09961	0.03139
0.60812	-0.24689	6.48E-08	-0.00088	0.98486	-0.07686	0.09711	-0.09766	0.03487
8.89E-15	-0.41713	4.38E-21	-0.34739	1.08E-14	-0.42107	1.71E-21	-0.06908	0.13607
0.00271	-0.16358	0.00039	-0.1987	1.52E-05	-0.21938	1.70E-06	-0.16067	0.00049
7.81E-07	-0.29823	4.78E-11	-0.23497	2.80E-07	-0.28416	4.01E-10	-0.19419	2.38E-05
0.03015	-0.22481	9.19E-07	-0.11723	0.01123	-0.18059	8.69E-05	-0.15612	0.00071
0.51319	-0.29467	8.27E-11	-0.21167	3.94E-06	-0.18326	6.80E-05	-0.05376	0.24625
5.70E-05	-0.1527	0.00093	-0.22458	9.44E-07	-0.2132	3.34E-06	0.055331	0.23271
3.63E-11	-0.37618	3.80E-17	-0.29635	6.39E-11	-0.38151	1.25E-17	0.014285	0.75816
1.99E-18	0.242948	1.06E-07	0.394117	8.36E-19	0.444035	5.52E-24	0.120909	0.00891
1.16E-09	-0.35553	2.32E-15	-0.2991	4.17E-11	-0.33335	1.39E-13	-0.03694	0.42583
0.00043	-0.28019	7.15E-10	-0.17494	0.00014	-0.22467	9.35E-07	-0.08118	0.07967
6.91E-07	-0.3574	1.62E-15	-0.25821	1.50E-08	-0.31331	4.27E-12	-0.06268	0.17632
1.29E-06	-0.34435	1.90E-14	-0.26073	1.07E-08	-0.30692	1.21E-11	-0.12779	0.00568
2.62E-24	0.399637	2.46E-19	0.402988	1.16E-19	0.494772	3.31E-30	0.031728	0.49399
0.00063	-0.3052	1.59E-11	-0.25507	2.27E-08	-0.286	3.06E-10	-0.13027	0.00481
0.00708	-0.36605	2.96E-16	-0.24233	1.15E-07	-0.23789	1.97E-07	0.035924	0.43864
2.87E-17	-0.43346	8.18E-23	-0.3856	5.28E-18	-0.461	5.98E-26	-0.16887	0.00025
0.024	-0.14243	0.00203	-0.12098	0.00887	-0.13538	0.00337	-0.0014	0.97589
1.89E-06	-0.28834	2.16E-10	-0.22356	1.06E-06	-0.27586	1.33E-09	-0.03368	0.46785
0.0153	-0.20664	6.72E-06	-0.22671	7.39E-07	-0.20929	5.08E-06	0.064834	0.16188
7.59E-08	-0.42295	1.09E-21	-0.38042	1.57E-17	-0.39234	1.23E-18	0.022466	0.62821
8.22E-14	-0.41224	1.38E-20	-0.35441	2.88E-15	-0.41484	7.53E-21	-0.12555	0.00659
7.58E-09	-0.39035	1.90E-18	-0.30646	1.30E-11	-0.35453	2.81E-15	-0.13658	0.0031
0.03281	-0.32612	4.93E-13	-0.26029	1.14E-08	-0.23317	3.47E-07	-0.0522	0.26028
0.00053	-0.32644	4.66E-13	-0.2895	1.81E-10	-0.2828	4.90E-10	-0.28142	5.99E-10
6.17E-06	-0.33685	7.46E-14	-0.26217	8.86E-09	-0.30139	2.91E-11	-0.06787	0.14305
3.75E-07	-0.37717	3.10E-17	-0.24141	1.28E-07	-0.3181	1.93E-12	-0.08902	0.05455

9.33E-12	-0.43887	2.08E-23	-0.35431	2.93E-15	-0.40508	7.21E-20	-0.10738	0.02028
1.49E-06	-0.2832	4.61E-10	-0.23777	2.00E-07	-0.26285	8.09E-09	-0.0245	0.5975
7.94E-15	-0.43295	9.29E-23	-0.37734	2.99E-17	-0.43914	1.95E-23	-0.10161	0.02813
9.25E-09	-0.31945	1.54E-12	-0.22838	6.09E-07	-0.28523	3.42E-10	-0.13385	0.00376
4.35E-07	-0.36661	2.66E-16	-0.33747	6.68E-14	-0.33909	4.98E-14	-0.00073	0.9874
2.67E-10	-0.27027	2.92E-09	-0.29786	5.06E-11	-0.33781	6.28E-14	-0.08789	0.05771
1.93E-16	-0.42549	5.87E-22	-0.36969	1.43E-16	-0.44401	5.57E-24	-0.12772	0.00571
1.08E-14	-0.4829	1.18E-28	-0.45009	1.13E-24	-0.49475	3.33E-30	-0.05393	0.24477
0.01584	-0.22119	1.39E-06	-0.12436	0.00713	-0.17777	0.00011	-0.06216	0.17992
4.41E-23	0.324975	6.01E-13	0.319614	1.50E-12	0.442051	9.23E-24	0.055359	0.23246
0.00012	-0.28238	5.21E-10	-0.21792	2.00E-06	-0.21965	1.65E-06	-0.10951	0.01792
5.30E-11	-0.47077	3.93E-27	-0.38804	3.13E-18	-0.43934	1.85E-23	-0.07035	0.12901
0.00044	-0.18795	4.37E-05	-0.27438	1.64E-09	-0.25683	1.80E-08	0.049763	0.2832
0.85837	-0.23603	2.47E-07	-0.09842	0.03348	-0.0713	0.12388	-0.02182	0.63811
0.13696	-0.29273	1.11E-10	-0.12361	0.00749	-0.13713	0.00298	0.03858	0.40552
0.00407	-0.25595	2.02E-08	-0.22138	1.36E-06	-0.24178	1.23E-07	-0.13569	0.0033
2.59E-06	-0.35853	1.30E-15	-0.26934	3.33E-09	-0.32573	5.28E-13	-0.00977	0.83316
0.65762	-0.38936	2.35E-18	-0.12141	0.00863	-0.17553	0.00014	-0.03119	0.5013
1.16E-21	-0.41921	2.67E-21	-0.47029	4.49E-27	-0.50697	7.30E-32	-0.37938	1.96E-17
0.00043	-0.35466	2.74E-15	-0.35496	2.59E-15	-0.31267	4.75E-12	-0.06881	0.1376
1.34E-14	-0.44782	2.06E-24	-0.38881	2.65E-18	-0.44717	2.44E-24	-0.11565	0.01239
1.38E-11	0.349242	7.66E-15	0.317477	2.14E-12	0.416835	4.70E-21	0.214599	2.87E-06
9.39E-23	-0.47485	1.23E-27	-0.46315	3.30E-26	-0.53004	3.46E-35	-0.28397	4.12E-10
1.81E-09	-0.46875	6.94E-27	-0.3944	7.87E-19	-0.40189	1.49E-19	-0.13579	0.00328
2.39E-05	-0.37078	1.15E-16	-0.29487	8.02E-11	-0.29489	7.99E-11	0.105255	0.02292
0.80798	0.053084	0.25226	0.122226	0.00819	0.069449	0.13398	-0.21285	3.47E-06
0.02082	-0.1754	0.00014	-0.11353	0.0141	-0.14456	0.00174	-0.12263	0.00798
3.78E-08	-0.22351	1.07E-06	-0.10261	0.0266	-0.20681	6.61E-06	-0.10816	0.01938
0.00569	-0.39064	1.79E-18	-0.19099	3.26E-05	-0.23416	3.09E-07	-0.05974	0.19754
1.26E-09	-0.41408	9.00E-21	-0.32989	2.56E-13	-0.37347	6.64E-17	-0.17424	0.00015
1.29E-09	-0.41885	2.91E-21	-0.39318	1.03E-18	-0.41059	2.03E-20	-0.08294	0.07335
0.07056	-0.277	1.13E-09	-0.23363	3.29E-07	-0.22434	9.70E-07	0.069327	0.13467
0.03314	-0.26615	5.17E-09	-0.10733	0.02034	-0.15375	0.00086	0.030286	0.51383
1.55E-10	-0.34579	1.46E-14	-0.33046	2.32E-13	-0.368	2.01E-16	-0.28151	5.91E-10
4.00E-05	-0.37827	2.47E-17	-0.30181	2.73E-11	-0.35261	4.06E-15	0.027542	0.55271
2.54E-27	-0.57454	2.27E-42	-0.51939	1.27E-33	-0.59261	1.29E-45	-0.31079	6.46E-12
1.51E-09	-0.3396	4.54E-14	-0.3199	1.43E-12	-0.35263	4.04E-15	-0.05559	0.23054
0.00019	-0.18033	8.90E-05	-0.16091	0.00048	-0.22179	1.30E-06	0.000294	0.99495
1.13E-05	-0.38534	5.57E-18	-0.33879	5.26E-14	-0.36762	2.17E-16	-0.0908	0.04988
1.99E-05	-0.28872	2.04E-10	-0.17256	0.00018	-0.2232	1.10E-06	-0.0164	0.7237
9.99E-12	-0.32137	1.11E-12	-0.21614	2.43E-06	-0.32657	4.57E-13	-0.18667	4.93E-05
4.17E-11	-0.32411	6.97E-13	-0.29344	9.99E-11	-0.38745	3.55E-18	-0.11101	0.0164
0.00305	-0.2853	3.39E-10	-0.10563	0.02243	-0.20689	6.55E-06	0.008988	0.84639
6.05E-05	-0.33651	7.93E-14	-0.23139	4.29E-07	-0.27631	1.25E-09	-0.16698	0.00029
0.14944	-0.32468	6.32E-13	-0.25932	1.30E-08	-0.22871	5.86E-07	-0.25488	2.33E-08

7.15E-07	-0.34825	9.23E-15	-0.24343	9.99E-08	-0.29373	9.55E-11	-0.03041	0.51206
7.19E-07	-0.2816	5.83E-10	-0.10664	0.02117	-0.21686	2.24E-06	-0.09103	0.0493
1.80E-06	-0.25766	1.61E-08	-0.20252	1.03E-05	-0.26116	1.01E-08	-0.23794	1.96E-07
1.08E-16	-0.47101	3.66E-27	-0.42396	8.52E-22	-0.47435	1.41E-27	-0.18655	4.98E-05
0.00489	-0.29081	1.49E-10	-0.19708	1.79E-05	-0.23078	4.60E-07	-0.16246	0.00042
3.69E-05	-0.27573	1.36E-09	-0.02868	0.53647	-0.18549	5.51E-05	-0.00858	0.85325
0.54526	-0.22968	5.24E-07	-0.00165	0.97169	-0.06801	0.14224	0.05321	0.25113
6.41E-12	0.28492	3.58E-10	0.217738	2.04E-06	0.296596	6.15E-11	0.015076	0.74522
6.45E-10	-0.36469	3.89E-16	-0.35198	4.57E-15	-0.37432	5.57E-17	-0.36238	6.13E-16
4.89E-14	-0.42952	2.18E-22	-0.38458	6.55E-18	-0.43295	9.29E-23	-0.13076	0.00465
0.00048	-0.28288	4.83E-10	-0.30088	3.16E-11	-0.2819	5.58E-10	0.203497	9.32E-06
3.21E-06	-0.35171	4.81E-15	-0.23638	2.37E-07	-0.25203	3.37E-08	-0.19371	2.50E-05
1.27E-07	-0.3821	1.11E-17	-0.4879	2.66E-29	-0.4456	3.67E-24	-0.16742	0.00028
1.55E-24	-0.60301	1.42E-47	-0.51446	6.48E-33	-0.59753	1.56E-46	-0.1121	0.01537
0.00342	-0.28154	5.89E-10	-0.21774	2.03E-06	-0.24167	1.24E-07	-0.13838	0.00273
4.24E-06	-0.38844	2.87E-18	-0.24058	1.42E-07	-0.36832	1.89E-16	-0.17761	0.00011
4.95E-17	-0.31895	1.67E-12	-0.36708	2.42E-16	-0.42979	2.04E-22	-0.15862	0.00058
3.91E-07	-0.30934	8.18E-12	-0.26357	7.33E-09	-0.29727	5.54E-11	-0.17652	0.00013
1.48E-19	-0.53292	1.28E-35	-0.30138	2.92E-11	-0.47344	1.83E-27	-0.23325	3.44E-07
2.64E-06	-0.24577	7.46E-08	-0.23234	3.83E-07	-0.25582	2.06E-08	-0.07524	0.10439
1.45E-21	-0.38871	2.71E-18	-0.43662	3.69E-23	-0.47689	6.80E-28	-0.40669	5.00E-20
0.0162	-0.29143	1.36E-10	-0.2526	3.13E-08	-0.23853	1.82E-07	-0.04932	0.2875
5.17E-11	-0.24982	4.47E-08	-0.29283	1.10E-10	-0.34175	3.07E-14	0.061994	0.18109
1.06E-10	-0.38928	2.40E-18	-0.35959	1.06E-15	-0.39833	3.29E-19	-0.172	0.00019
1.02E-46	0.406488	5.23E-20	0.59016	3.66E-45	0.627153	2.03E-52	0.226975	7.17E-07
0.05431	-0.2794	8.03E-10	-0.17746	0.00012	-0.1717	0.00019	-0.14865	0.00127
8.29E-13	-0.32907	2.96E-13	-0.31793	1.99E-12	-0.37864	2.28E-17	-0.26334	7.56E-09
1.37E-28	0.417515	4.00E-21	0.382665	9.83E-18	0.482901	1.18E-28	0.192675	2.77E-05
4.24E-11	0.672629	8.44E-63	0.446298	3.06E-24	0.507947	5.33E-32	0.179873	9.28E-05
3.05E-12	-0.46903	6.41E-27	-0.37836	2.42E-17	-0.43973	1.67E-23	-0.13249	0.00413
0.0788	-0.25276	3.06E-08	-0.17734	0.00012	-0.19678	1.84E-05	-0.08342	0.07168
0.00152	0.246256	7.02E-08	0.118111	0.01063	0.19532	2.13E-05	-0.0103	0.82439
0.00063	-0.19776	1.67E-05	-0.14142	0.00219	-0.16968	0.00023	-0.05536	0.23243
1.90E-05	-0.30961	7.83E-12	-0.22057	1.48E-06	-0.26283	8.10E-09	-0.09443	0.04137
2.92E-15	-0.27341	1.89E-09	-0.29566	7.11E-11	-0.374	5.96E-17	-0.14698	0.00145
7.82E-06	-0.21065	4.40E-06	-0.19753	1.71E-05	-0.22852	5.99E-07	-0.05193	0.26277
0.18961	-0.16058	0.00049	-0.03312	0.47528	-0.03776	0.41553	0.074914	0.10591
2.20E-14	-0.49004	1.40E-29	-0.37717	3.10E-17	-0.471	3.67E-27	-0.21572	2.54E-06
0.46299	-0.18725	4.67E-05	-0.21335	3.29E-06	-0.14533	0.00164	0.021932	0.63639
7.09E-09	-0.23103	4.47E-07	-0.15962	0.00054	-0.21372	3.16E-06	-0.05033	0.27774
5.52E-08	-0.32324	8.09E-13	-0.29312	1.05E-10	-0.32275	8.79E-13	-0.08478	0.06719
4.09E-06	-0.27868	8.90E-10	-0.22145	1.35E-06	-0.27919	8.27E-10	-0.07927	0.08705
2.15E-06	-0.24425	9.02E-08	-0.18506	5.74E-05	-0.23429	3.04E-07	-0.1471	0.00143
5.80E-05	-0.27469	1.57E-09	-0.2312	4.38E-07	-0.25045	4.12E-08	-0.10886	0.01862
5.29E-05	-0.23548	2.64E-07	-0.21891	1.79E-06	-0.22517	8.82E-07	-0.24728	6.17E-08

3.97E-09	-0.36582	3.11E-16	-0.27179	2.36E-09	-0.33196	1.78E-13	-0.14129	0.00221
0.01565	-0.10604	0.02191	-0.06697	0.14846	-0.12116	0.00877	0.015585	0.73694
0.26764	-0.28794	2.29E-10	-0.10845	0.01907	-0.13929	0.00256	-0.08863	0.05563
5.04E-08	-0.43386	7.39E-23	-0.23795	1.96E-07	-0.32368	7.50E-13	0.064149	0.16636
9.69E-10	-0.27871	8.86E-10	-0.30099	3.10E-11	-0.33188	1.81E-13	-0.20158	1.14E-05
7.77E-18	-0.50447	1.61E-31	-0.4982	1.15E-30	-0.53649	3.65E-36	0.01127	0.80808
1.04E-06	-0.38898	2.56E-18	-0.45336	4.73E-25	-0.42359	9.31E-22	-0.17787	0.00011
0.00172	-0.34415	1.98E-14	-0.22893	5.72E-07	-0.25922	1.31E-08	-0.02951	0.52474
2.15E-10	0.320805	1.22E-12	0.450314	1.07E-24	0.377341	2.99E-17	0.17196	0.00019
1.25E-18	-0.49107	1.02E-29	-0.44887	1.56E-24	-0.5192	1.36E-33	-0.13961	0.0025
3.96E-07	-0.34061	3.78E-14	-0.24019	1.49E-07	-0.30096	3.12E-11	-0.14883	0.00126
0.0393	-0.29402	9.14E-11	-0.20238	1.05E-05	-0.19894	1.48E-05	-0.06051	0.19182
0.00772	-0.33285	1.52E-13	-0.19856	1.54E-05	-0.23819	1.90E-07	-0.10347	0.02534
4.94E-10	-0.41528	6.79E-21	-0.36217	6.39E-16	-0.40951	2.61E-20	-0.10845	0.01906
9.79E-11	-0.38515	5.80E-18	-0.32315	8.22E-13	-0.36087	8.26E-16	-0.03065	0.50877
3.85E-12	-0.40774	3.92E-20	-0.35773	1.52E-15	-0.40835	3.41E-20	-0.08461	0.06771
1.02E-06	-0.3994	2.59E-19	-0.34382	2.10E-14	-0.35705	1.73E-15	0.026194	0.57232
4.19E-15	0.438399	2.35E-23	0.334313	1.17E-13	0.457574	1.52E-25	0.136311	0.00316
4.96E-15	-0.16733	0.00028	-0.20756	6.10E-06	-0.33545	9.58E-14	-0.07566	0.10248
4.92E-06	-0.32363	7.57E-13	-0.22674	7.37E-07	-0.27407	1.72E-09	-0.0688	0.13764
0.00063	-0.25875	1.40E-08	-0.19549	2.10E-05	-0.25528	2.21E-08	-0.02823	0.54278
3.63E-09	-0.24455	8.69E-08	-0.24346	9.96E-08	-0.30532	1.56E-11	-0.09025	0.05129
0.2072	-0.2857	3.19E-10	-0.1205	0.00915	-0.14145	0.00218	-0.05663	0.22193
0.0449	-0.21949	1.68E-06	-0.13949	0.00252	-0.16944	0.00023	-0.14122	0.00222
1.64E-13	-0.38041	1.58E-17	-0.34851	8.79E-15	-0.41215	1.41E-20	-0.11106	0.01635
5.57E-11	-0.21104	4.22E-06	-0.24642	6.88E-08	-0.30121	3.00E-11	-0.04551	0.32637
2.77E-12	-0.45454	3.45E-25	-0.4346	6.15E-23	-0.46093	6.10E-26	-0.02281	0.62293
1.47E-09	-0.40231	1.35E-19	-0.3611	7.89E-16	-0.39246	1.20E-18	-0.09412	0.04204
0.59311	-0.23527	2.70E-07	-0.10932	0.01812	-0.14157	0.00217	-0.02443	0.59849
0.27593	-0.1656	0.00033	-0.12257	0.00801	-0.10233	0.02702	-0.01107	0.81148
2.17E-07	-0.31567	2.90E-12	-0.28784	2.32E-10	-0.31589	2.79E-12	-0.07777	0.09322
0.00552	-0.26816	3.92E-09	-0.26862	3.67E-09	-0.26251	8.46E-09	0.010628	0.81882
2.18E-09	-0.34963	7.12E-15	-0.29196	1.25E-10	-0.35077	5.74E-15	-0.06437	0.16493
7.29E-09	-0.34658	1.26E-14	-0.29678	5.98E-11	-0.34335	2.29E-14	-0.07382	0.11111
3.96E-07	-0.27386	1.77E-09	-0.2287	5.87E-07	-0.27852	9.11E-10	-0.04621	0.319
5.51E-12	-0.43805	2.57E-23	-0.36632	2.81E-16	-0.42148	1.55E-21	-0.10547	0.02264
1.26E-08	-0.28571	3.19E-10	-0.24984	4.46E-08	-0.29398	9.20E-11	-0.05099	0.27144
3.06E-09	-0.30684	1.23E-11	-0.25397	2.62E-08	-0.31292	4.56E-12	-0.07246	0.1179
9.67E-13	-0.40184	1.50E-19	-0.35193	4.61E-15	-0.42037	2.02E-21	-0.09777	0.03467
0.86823	-0.16928	0.00024	-0.14931	0.00121	-0.1338	0.00377	-0.00921	0.84269
4.23E-07	-0.24612	7.15E-08	-0.21915	1.74E-06	-0.2623	8.71E-09	-0.01314	0.77699
6.83E-05	-0.28053	6.81E-10	-0.3376	6.51E-14	-0.29779	5.11E-11	-0.07264	0.11695
1.32E-06	-0.31103	6.22E-12	-0.31258	4.82E-12	-0.31601	2.74E-12	-0.03956	0.39366
0.01147	-0.26751	4.29E-09	-0.16456	0.00036	-0.18539	5.57E-05	-0.0566	0.22215
1.75E-11	-0.37838	2.41E-17	-0.33317	1.44E-13	-0.37968	1.84E-17	-0.11544	0.01255

2.69E-09	-0.35356	3.38E-15	-0.31041	6.88E-12	-0.34319	2.36E-14	-0.09726	0.03563
7.92E-06	-0.2066	6.75E-06	-0.21983	1.61E-06	-0.24037	1.46E-07	-0.03033	0.51328
5.40E-05	-0.20963	4.90E-06	-0.18449	6.06E-05	-0.21623	2.40E-06	-0.04739	0.30683
3.92E-06	-0.20723	6.32E-06	-0.18284	7.06E-05	-0.23654	2.32E-07	-0.04664	0.31451
0.00576	-0.20767	6.03E-06	-0.17109	0.0002	-0.19847	1.56E-05	-0.01344	0.77203
0.14444	-0.18695	4.80E-05	-0.17417	0.00016	-0.16751	0.00028	-0.04319	0.35171
0.00902	-0.25819	1.51E-08	-0.14938	0.00121	-0.18825	4.24E-05	-0.06739	0.14594
1.13E-09	-0.36737	2.28E-16	-0.32016	1.37E-12	-0.36601	2.99E-16	-0.09724	0.03567
1.66E-05	-0.28651	2.83E-10	-0.22437	9.67E-07	-0.25019	4.27E-08	-0.1183	0.01051
0.00014	-0.29106	1.43E-10	-0.26825	3.87E-09	-0.28234	5.24E-10	-0.04917	0.28902
8.33E-08	-0.34463	1.81E-14	-0.29245	1.16E-10	-0.32709	4.17E-13	-0.09163	0.04781
2.27E-08	-0.36285	5.60E-16	-0.30029	3.46E-11	-0.33849	5.55E-14	-0.0909	0.04963
0.00031	-0.27567	1.37E-09	-0.1965	1.90E-05	-0.22528	8.72E-07	-0.07466	0.10713
5.43E-06	-0.29531	7.49E-11	-0.30284	2.32E-11	-0.31021	7.10E-12	-0.05647	0.22323
3.80E-11	-0.40305	1.14E-19	-0.33228	1.68E-13	-0.376	3.95E-17	-0.10046	0.02996
5.19E-06	-0.31051	6.77E-12	-0.24778	5.80E-08	-0.27598	1.31E-09	-0.05651	0.22287
6.58E-08	-0.33796	6.11E-14	-0.28195	5.54E-10	-0.33112	2.06E-13	-0.08075	0.08129
1.88E-07	-0.36159	7.16E-16	-0.28095	6.41E-10	-0.33489	1.06E-13	-0.08025	0.08319
1.21E-05	-0.23903	1.72E-07	-0.15527	0.00076	-0.21658	2.31E-06	-0.05991	0.19624
1.46E-10	-0.3701	1.32E-16	-0.33027	2.40E-13	-0.37038	1.24E-16	-0.09426	0.04176
8.29E-09	-0.31546	3.00E-12	-0.30387	1.97E-11	-0.34291	2.48E-14	-0.03052	0.51052
1.07E-10	-0.37732	3.00E-17	-0.33601	8.67E-14	-0.38307	9.04E-18	-0.10835	0.01918
0.00413	-0.18558	5.46E-05	-0.1691	0.00024	-0.20777	5.97E-06	0.004027	0.93083
4.69E-11	-0.36461	3.95E-16	-0.32883	3.08E-13	-0.38399	7.43E-18	-0.1254	0.00666
0.02858	-0.25661	1.86E-08	-0.19949	1.40E-05	-0.19554	2.09E-05	-0.03193	0.49123
6.78E-10	-0.35259	4.07E-15	-0.28641	2.88E-10	-0.34984	6.84E-15	-0.08482	0.06704
6.93E-07	-0.34578	1.46E-14	-0.31979	1.45E-12	-0.33748	6.66E-14	-0.08827	0.05664
0.00347	-0.15477	0.00079	-0.14502	0.00168	-0.17491	0.00015	-0.00793	0.86421
0.03777	-0.23613	2.44E-07	-0.19138	3.14E-05	-0.19531	2.14E-05	-0.05555	0.23085
5.75E-11	-0.40992	2.38E-20	-0.35653	1.92E-15	-0.40053	2.01E-19	-0.09171	0.04761
2.58E-06	-0.27688	1.15E-09	-0.18882	4.02E-05	-0.26872	3.62E-09	-0.07399	0.11031
2.96E-05	-0.18439	6.11E-05	-0.12124	0.00873	-0.18396	6.36E-05	-0.00704	0.87932
1.95E-05	-0.33375	1.30E-13	-0.24452	8.73E-08	-0.28592	3.09E-10	-0.0558	0.22875
0.24024	-0.21379	3.14E-06	-0.35567	2.26E-15	-0.25408	2.58E-08	0.003949	0.93218
0.401	-0.16091	0.00048	-0.07087	0.12616	-0.10516	0.02304	0.248708	5.15E-08
1.64E-10	-0.39058	1.81E-18	-0.33317	1.44E-13	-0.38876	2.68E-18	-0.11794	0.01075
4.09E-14	-0.38854	2.81E-18	-0.36796	2.03E-16	-0.40848	3.31E-20	-0.14782	0.00136
4.53E-08	-0.36229	6.24E-16	-0.30758	1.09E-11	-0.34138	3.28E-14	-0.089	0.05461
7.46E-06	-0.38742	3.58E-18	-0.28108	6.29E-10	-0.32084	1.22E-12	-0.09427	0.04171
3.26E-06	-0.32707	4.19E-13	-0.26547	5.67E-09	-0.29868	4.45E-11	-0.07947	0.08626
4.90E-08	-0.371	1.10E-16	-0.31542	3.02E-12	-0.34901	8.00E-15	-0.09276	0.04512
3.20E-16	-0.42487	6.82E-22	-0.37056	1.20E-16	-0.44207	9.19E-24	-0.09323	0.04404
0.00091	-0.25064	4.02E-08	-0.23724	2.13E-07	-0.23771	2.02E-07	-0.24072	1.40E-07
1.25E-10	-0.35701	1.75E-15	-0.36428	4.22E-16	-0.3935	9.58E-19	-0.14982	0.00116
0.08228	-0.15526	0.00076	-0.14568	0.0016	-0.14015	0.0024	0.015698	0.7351

0.16123	-0.19085	3.30E-05	-0.23707	2.18E-07	-0.16486	0.00035	-0.03913	0.39885
8.29E-12	-0.42151	1.54E-21	-0.36587	3.08E-16	-0.41482	7.57E-21	-0.106	0.02196
2.25E-24	-0.43353	8.04E-23	-0.52333	3.40E-34	-0.54179	5.56E-37	-0.30412	1.89E-11
5.16E-10	-0.38005	1.70E-17	-0.34667	1.24E-14	-0.38935	2.36E-18	-0.12828	0.0055
1.57E-13	-0.3509	5.61E-15	-0.47841	4.38E-28	-0.4381	2.54E-23	-0.24304	1.05E-07
2.22E-11	-0.41809	3.49E-21	-0.3494	7.43E-15	-0.41097	1.86E-20	-0.07045	0.12844
1.14E-08	-0.32964	2.68E-13	-0.14154	0.00217	-0.27975	7.63E-10	-0.1525	0.00095
1.65E-16	-0.39395	8.68E-19	-0.35191	4.64E-15	-0.42428	7.88E-22	-0.20582	7.32E-06
8.46E-12	0.312481	4.90E-12	0.331306	2.00E-13	0.365182	3.53E-16	0.038439	0.40725
0.95493	0.094667	0.04087	0.084045	0.06959	0.023038	0.61948	0.143242	0.00191
4.85E-12	-0.32784	3.66E-13	-0.21498	2.76E-06	-0.34279	2.54E-14	-0.13167	0.00437
0.5517	-0.03585	0.43956	-0.06585	0.15536	-0.07885	0.08875	-0.07545	0.10342
1.32E-15	-0.44809	1.91E-24	-0.35993	9.92E-16	-0.44096	1.22E-23	-0.1204	0.0092
0.00352	-0.31071	6.54E-12	-0.25837	1.47E-08	-0.24905	4.93E-08	0.111442	0.01598
2.60E-13	-0.43356	7.98E-23	-0.38219	1.09E-17	-0.43483	5.81E-23	-0.12587	0.00646
0.06639	-0.35476	2.69E-15	-0.19578	2.04E-05	-0.24498	8.24E-08	0.126607	0.00615
2.77E-06	-0.39929	2.66E-19	-0.35135	5.15E-15	-0.34618	1.36E-14	-0.06091	0.18888
2.23E-06	-0.37912	2.07E-17	-0.40048	2.04E-19	-0.35663	1.88E-15	-0.02615	0.57298
0.00095	-0.15355	0.00087	-0.20066	1.25E-05	-0.1983	1.58E-05	0.005744	0.90147
6.41E-07	-0.24491	8.31E-08	-0.19436	2.34E-05	-0.25656	1.87E-08	-0.08709	0.06003
4.47E-14	-0.39728	4.16E-19	-0.34353	2.21E-14	-0.40771	3.95E-20	-0.09073	0.05007
0.79844	-0.30221	2.56E-11	-0.14455	0.00174	-0.1556	0.00074	-0.06044	0.19228
2.79E-18	-0.50286	2.68E-31	-0.42043	1.99E-21	-0.5093	3.46E-32	-0.10195	0.0276
4.17E-08	-0.31829	1.87E-12	-0.29308	1.06E-10	-0.32078	1.23E-12	-0.08699	0.06033
0.07224	-0.14361	0.00186	-0.15451	0.00081	-0.13659	0.0031	-0.05636	0.22409
0.54314	-0.20982	4.80E-06	-0.05516	0.23414	-0.07449	0.10793	0.073037	0.11497
0.00761	-0.16003	0.00052	-0.15257	0.00094	-0.16245	0.00042	-0.12015	0.00935
3.80E-07	-0.37563	4.27E-17	-0.2967	6.05E-11	-0.36177	6.92E-16	-0.07892	0.08848
5.96E-20	0.307958	1.02E-11	0.385162	5.79E-18	0.437105	3.27E-23	0.040123	0.38699
5.23E-08	-0.39083	1.71E-18	-0.19976	1.37E-05	-0.32527	5.71E-13	-0.17965	9.47E-05
7.01E-08	-0.31412	3.74E-12	-0.25413	2.57E-08	-0.3204	1.31E-12	-0.08031	0.08298
5.68E-12	-0.40419	8.84E-20	-0.4621	4.41E-26	-0.46404	2.59E-26	-0.09826	0.03376
3.73E-10	-0.23601	2.47E-07	-0.36349	4.93E-16	-0.31298	4.51E-12	-0.0843	0.06874
1.03E-07	-0.18146	8.02E-05	-0.30306	2.24E-11	-0.31057	6.69E-12	-0.3069	1.21E-11
2.46E-17	-0.49718	1.58E-30	-0.37689	3.29E-17	-0.47975	2.96E-28	-0.13467	0.00355
0.2846	-0.27609	1.29E-09	-0.14539	0.00163	-0.1398	0.00246	0.144738	0.00171
1.04E-12	-0.40879	3.08E-20	-0.36967	1.43E-16	-0.42103	1.72E-21	-0.10229	0.02707
0.00168	-0.36293	5.51E-16	-0.20877	5.37E-06	-0.24678	6.57E-08	-0.12782	0.00567
0.57081	-0.32354	7.68E-13	-0.13467	0.00355	-0.16055	0.0005	-0.00239	0.95885
1.44E-12	-0.42846	2.83E-22	-0.37807	2.57E-17	-0.42498	6.65E-22	-0.08952	0.05321
0.00325	-0.20361	9.21E-06	-0.19775	1.67E-05	-0.1904	3.45E-05	-0.07949	0.08618
0.00227	-0.22219	1.24E-06	-0.19028	3.49E-05	-0.20102	1.20E-05	-0.03994	0.38915
0.11384	-0.18878	4.03E-05	-0.08615	0.06287	-0.10384	0.02483	-0.03137	0.4989
1.50E-07	-0.33445	1.15E-13	-0.24633	6.95E-08	-0.29295	1.08E-10	-0.11653	0.01173
0.00089	-0.23674	2.27E-07	-0.20091	1.22E-05	-0.21259	3.57E-06	-0.07094	0.12581



7.06E-05	-0.26525	5.84E-09	-0.23365	3.28E-07	-0.25481	2.35E-08	-0.06974	0.13234
7.30E-13	0.332628	1.58E-13	0.432799	9.65E-23	0.426393	4.70E-22	-0.20881	5.35E-06
1.72E-14	-0.10476	0.02358	-0.14087	0.00228	-0.23256	3.73E-07	-0.23162	4.17E-07
6.92E-15	-0.48315	1.09E-28	-0.43571	4.65E-23	-0.48458	7.16E-29	-0.11155	0.01588
0.00837	-0.26697	4.61E-09	-0.19187	2.99E-05	-0.18707	4.75E-05	-0.0383	0.40894
1.93E-18	0.557259	1.88E-39	0.311481	5.77E-12	0.44035	1.43E-23	0.301785	2.74E-11
0.00029	-0.385	5.99E-18	-0.31463	3.44E-12	-0.32476	6.24E-13	-0.12137	0.00865
7.37E-08	-0.43818	2.49E-23	-0.23746	2.08E-07	-0.33584	8.94E-14	-0.24275	1.09E-07
4.74E-11	-0.48616	4.48E-29	-0.35811	1.41E-15	-0.42408	8.26E-22	-0.12112	0.00879
2.48E-07	-0.39749	3.97E-19	-0.27741	1.07E-09	-0.34194	2.97E-14	-0.06591	0.15504
6.54E-14	-0.39136	1.53E-18	-0.42137	1.59E-21	-0.47496	1.19E-27	-0.31421	3.69E-12
1.06E-10	-0.35243	4.20E-15	-0.47645	7.72E-28	-0.42689	4.17E-22	0.093282	0.04392
0.04055	-0.36461	3.95E-16	-0.27625	1.26E-09	-0.28683	2.70E-10	-0.02221	0.63214
1.22E-16	-0.46521	1.87E-26	-0.38029	1.62E-17	-0.45208	6.67E-25	-0.14196	0.0021
6.61E-06	-0.31546	3.00E-12	-0.27434	1.65E-09	-0.29608	6.66E-11	-0.08446	0.06821
1.24E-10	-0.37916	2.05E-17	-0.29946	3.94E-11	-0.36908	1.62E-16	-0.08074	0.08134
0.17235	-0.25731	1.69E-08	-0.15704	0.00066	-0.15121	0.00105	-0.04961	0.28468
0.01562	-0.19689	1.82E-05	-0.13719	0.00297	-0.14662	0.00149	-0.01101	0.8125
2.30E-07	-0.15712	0.00066	-0.21388	3.11E-06	-0.24526	7.95E-08	-0.09719	0.03575
0.00027	-0.27779	1.01E-09	-0.19837	1.57E-05	-0.25499	2.29E-08	-0.01382	0.76574
1.78E-07	-0.29183	1.27E-10	-0.22726	6.94E-07	-0.29773	5.16E-11	-0.08363	0.07098
0.04901	-0.19958	1.39E-05	-0.11996	0.00946	-0.15309	0.0009	-0.04902	0.29042
1.99E-17	-0.61077	4.35E-49	-0.48687	3.63E-29	-0.56521	8.96E-41	-0.28677	2.73E-10
4.04E-11	-0.29778	5.12E-11	-0.23876	1.78E-07	-0.33481	1.07E-13	-0.23291	3.58E-07
3.54E-06	-0.25675	1.82E-08	-0.2132	3.34E-06	-0.29867	4.46E-11	-0.1232	0.00769
0.00047	-0.10582	0.02219	-0.11429	0.01346	-0.13119	0.00451	0.033462	0.47067
3.37E-12	-0.42635	4.75E-22	-0.38212	1.10E-17	-0.42142	1.57E-21	-0.08821	0.0568
2.17E-16	-0.39509	6.75E-19	-0.35228	4.32E-15	-0.42903	2.46E-22	-0.09797	0.0343
2.31E-08	-0.25626	1.94E-08	-0.2285	6.01E-07	-0.27834	9.34E-10	-0.0705	0.12819
2.05E-08	0.353015	3.76E-15	0.3015	2.86E-11	0.2901	1.66E-10	0.128902	0.00527
1.33E-07	-0.38184	1.17E-17	-0.24262	1.11E-07	-0.34261	2.62E-14	-0.03019	0.51513
8.80E-08	0.459972	7.92E-26	0.10856	0.01894	0.265766	5.44E-09	0.064125	0.16652
3.41E-18	-0.59104	2.52E-45	-0.47906	3.62E-28	-0.59103	2.53E-45	-0.1186	0.01031
2.14E-09	-0.39158	1.46E-18	-0.34558	1.52E-14	-0.39404	8.51E-19	-0.07434	0.1086
2.61E-09	-0.27052	2.82E-09	-0.29142	1.36E-10	-0.33177	1.84E-13	-0.07912	0.08767
0.00025	-0.19703	1.80E-05	-0.25381	2.67E-08	-0.22349	1.07E-06	-0.0012	0.97934
7.26E-22	-0.48332	1.04E-28	-0.4533	4.82E-25	-0.51773	2.21E-33	-0.21543	2.62E-06
2.41E-19	-0.37307	7.20E-17	-0.43885	2.10E-23	-0.48217	1.46E-28	-0.2831	4.68E-10
1.77E-11	-0.45502	3.03E-25	-0.33866	5.39E-14	-0.39691	4.52E-19	-0.08515	0.06599
7.43E-06	-0.42398	8.47E-22	-0.27727	1.09E-09	-0.33504	1.03E-13	-0.11621	0.01197
4.11E-05	-0.21322	3.34E-06	-0.19939	1.42E-05	-0.22431	9.73E-07	-0.10582	0.02219
2.12E-19	-0.43713	3.25E-23	-0.43257	1.02E-22	-0.51685	2.95E-33	-0.17414	0.00016
4.83E-13	-0.40712	4.52E-20	-0.45127	8.26E-25	-0.46706	1.11E-26	-0.05938	0.20025
1.44E-09	-0.36441	4.11E-16	-0.33069	2.23E-13	-0.37075	1.16E-16	0.003267	0.94387
8.32E-06	-0.31068	6.58E-12	-0.31333	4.26E-12	-0.34899	8.03E-15	-0.00768	0.86845

8.45E-12	-0.39762	3.86E-19	-0.37352	6.57E-17	-0.44225	8.77E-24	-0.06881	0.13761
0.00017	-0.21589	2.49E-06	-0.18163	7.90E-05	-0.22051	1.50E-06	-0.00832	0.85762
1.96E-09	-0.42392	8.60E-22	-0.35952	1.07E-15	-0.40693	4.72E-20	-0.14494	0.00169
6.24E-15	-0.46312	3.33E-26	-0.39438	7.89E-19	-0.45511	2.96E-25	-0.0765	0.09872
1.60E-10	-0.37131	1.03E-16	-0.32776	3.71E-13	-0.39498	6.91E-19	-0.09023	0.05134
0.02472	-0.23548	2.64E-07	-0.26599	5.28E-09	-0.23256	3.73E-07	0.027303	0.55617
0.00974	-0.09818	0.03391	-0.11962	0.00967	-0.12132	0.00868	0.005863	0.89945
5.87E-15	-0.37555	4.33E-17	-0.35279	3.92E-15	-0.43841	2.35E-23	-0.2188	1.81E-06
9.33E-05	-0.28688	2.68E-10	-0.30971	7.71E-12	-0.28329	4.56E-10	-0.16322	0.0004
1.52E-08	-0.41937	2.57E-21	-0.30117	3.02E-11	-0.39913	2.76E-19	-0.13172	0.00435
0.01491	-0.19653	1.89E-05	-0.16822	0.00026	-0.1735	0.00016	-0.05535	0.23258
0.00086	-0.20837	5.61E-06	-0.16555	0.00033	-0.20152	1.14E-05	-0.04893	0.29138
3.70E-12	-0.40055	2.01E-19	-0.35447	2.85E-15	-0.39105	1.64E-18	-0.1388	0.00265
1.27E-19	-0.42648	4.61E-22	-0.40666	5.03E-20	-0.4883	2.36E-29	-0.04853	0.29531
4.79E-28	-0.50818	4.94E-32	-0.49173	8.38E-30	-0.56351	1.73E-40	-0.23599	2.48E-07
2.03E-14	-0.50326	2.37E-31	-0.46137	5.40E-26	-0.50233	3.17E-31	0.003855	0.93378
0.04649	-0.28372	4.28E-10	-0.19982	1.36E-05	-0.20327	9.54E-06	0.095126	0.03989
0.25004	-0.35325	3.59E-15	-0.1522	0.00097	-0.17182	0.00019	-0.05383	0.24562
0.00076	-0.2246	9.41E-07	-0.19203	2.95E-05	-0.26133	9.91E-09	-0.24762	5.91E-08
0.14304	-0.28885	2.00E-10	-0.19176	3.02E-05	-0.21891	1.79E-06	0.030601	0.50946
1.91E-05	-0.32878	3.11E-13	-0.23888	1.75E-07	-0.28183	5.64E-10	-0.11432	0.01343
2.66E-11	-0.425	6.60E-22	-0.33872	5.32E-14	-0.4056	6.41E-20	-0.07791	0.09261
1.11E-08	-0.26851	3.73E-09	-0.18145	8.04E-05	-0.30251	2.44E-11	-0.08308	0.07285
6.92E-15	-0.40825	3.49E-20	-0.35437	2.90E-15	-0.43057	1.68E-22	-0.14453	0.00174
5.17E-12	-0.41622	5.44E-21	-0.28111	6.26E-10	-0.39033	1.91E-18	-0.01051	0.82085
7.86E-06	-0.41415	8.84E-21	-0.2312	4.38E-07	-0.27935	8.08E-10	-0.07526	0.10431
4.24E-08	-0.28352	4.41E-10	-0.28856	2.09E-10	-0.30905	8.58E-12	-0.26809	3.95E-09
0.00038	-0.30254	2.43E-11	-0.27391	1.76E-09	-0.26731	4.40E-09	-0.00426	0.9269
6.52E-06	-0.29221	1.20E-10	-0.26176	9.36E-09	-0.29464	8.31E-11	-0.02959	0.52352
0.00047	-0.10243	0.02686	-0.06348	0.17082	-0.12547	0.00663	0.053652	0.24721
1.55E-05	-0.35241	4.21E-15	-0.18615	5.18E-05	-0.24646	6.84E-08	-0.00988	0.8314
1.49E-05	-0.16328	0.0004	0.188462	4.16E-05	-0.08996	0.05204	-0.25116	3.76E-08
2.31E-49	0.485189	5.98E-29	0.403522	1.03E-19	0.621546	2.95E-51	0.221229	1.38E-06
0.14839	-0.32922	2.88E-13	-0.24469	8.55E-08	-0.22986	5.13E-07	-0.01733	0.7088
2.44E-08	-0.47132	3.36E-27	-0.39882	2.96E-19	-0.41733	4.18E-21	-0.24232	1.15E-07
0.00195	0.035193	0.44802	0.134104	0.00369	0.131228	0.0045	-0.09385	0.04265
0.07361	-0.3832	8.79E-18	-0.18884	4.01E-05	-0.22712	7.05E-07	-0.08607	0.06309
2.81E-07	-0.36764	2.16E-16	-0.23212	3.93E-07	-0.2939	9.30E-11	-0.19626	1.94E-05
5.53E-08	-0.28895	1.97E-10	-0.27187	2.34E-09	-0.32235	9.41E-13	-0.10928	0.01816
6.86E-22	0.45232	6.25E-25	0.310907	6.34E-12	0.451248	8.32E-25	0.344411	1.88E-14
3.26E-06	-0.30936	8.16E-12	-0.26589	5.35E-09	-0.28659	2.80E-10	-0.06804	0.14205
1.81E-09	-0.19124	3.18E-05	-0.14081	0.00229	-0.23787	1.98E-07	-0.02067	0.65588
0.31457	-0.23708	2.17E-07	-0.08923	0.05399	-0.11805	0.01067	-0.04869	0.29371
0.00706	-0.26729	4.41E-09	-0.20456	8.35E-06	-0.23083	4.58E-07	-0.06976	0.13224
3.35E-08	-0.38299	9.19E-18	-0.31431	3.63E-12	-0.35569	2.25E-15	-0.06317	0.17291

4.98E-15	0.151358	0.00103	0.11558	0.01244	0.253451	2.80E-08	0.159311	0.00055
0.00057	-0.3213	1.13E-12	-0.19404	2.42E-05	-0.29846	4.60E-11	-0.08721	0.05967
5.98E-09	-0.32837	3.34E-13	-0.26627	5.08E-09	-0.32662	4.52E-13	-0.1093	0.01813
0.13521	-0.22657	7.51E-07	-0.14926	0.00122	-0.16584	0.00032	-0.04403	0.34243
1.79E-08	-0.14395	0.00182	-0.22696	7.18E-07	-0.25114	3.78E-08	-0.02211	0.63369
1.76E-07	-0.47129	3.38E-27	-0.29557	7.21E-11	-0.36016	9.48E-16	-0.01405	0.76208
2.56E-10	-0.43052	1.70E-22	-0.27658	1.20E-09	-0.34811	9.47E-15	-0.06602	0.15434
4.00E-07	-0.17521	0.00014	-0.12656	0.00617	-0.20169	1.12E-05	0.01556	0.73734
0.18424	-0.28054	6.80E-10	-0.16307	0.0004	-0.1812	8.22E-05	0.049515	0.28561
2.73E-06	-0.21071	4.37E-06	-0.17068	0.00021	-0.23991	1.54E-07	0.074252	0.10904
0.87145	-0.1552	0.00076	-0.09254	0.04563	-0.07557	0.10286	-0.00221	0.96198
1.58E-20	0.577252	7.60E-43	0.330323	2.37E-13	0.500203	6.17E-31	0.381761	1.19E-17
7.75E-16	-0.45435	3.63E-25	-0.40685	4.81E-20	-0.44414	5.38E-24	-0.34063	3.77E-14
0.00014	-0.29385	9.37E-11	-0.22411	9.95E-07	-0.22749	6.76E-07	-0.27576	1.35E-09
6.22E-07	-0.25361	2.74E-08	-0.02409	0.6036	-0.18142	8.05E-05	-0.09275	0.04516
0.01604	-0.26336	7.54E-09	-0.04043	0.3834	-0.17217	0.00019	-0.02467	0.59486
0.45461	-0.1933	2.60E-05	-0.13801	0.0028	-0.11677	0.01156	-0.05463	0.23872
1.04E-09	-0.30894	8.73E-12	-0.36972	1.42E-16	-0.34942	7.42E-15	-0.20301	9.81E-06
4.78E-06	-0.16681	0.00029	-0.19338	2.58E-05	-0.2173	2.14E-06	0.001908	0.96719
0.20034	-0.10321	0.02572	-0.08933	0.05371	-0.09027	0.05124	-0.08199	0.07672
2.80E-11	-0.37807	2.57E-17	-0.29873	4.42E-11	-0.37372	6.31E-17	-0.08159	0.07816
0.27083	-0.30977	7.63E-12	-0.17549	0.00014	-0.18072	8.59E-05	-0.00816	0.86041
0.00029	-0.16028	0.00051	-0.12994	0.00492	-0.18249	7.30E-05	-0.03267	0.48124
0.00688	-0.32502	5.97E-13	-0.13545	0.00336	-0.1946	2.29E-05	0.010568	0.81982
3.24E-07	-0.4756	9.86E-28	-0.47313	2.00E-27	-0.45572	2.51E-25	-0.13943	0.00253
0.31476	-0.18035	8.89E-05	-0.04976	0.28321	-0.06619	0.15327	-0.08376	0.07055
2.07E-16	-0.34766	1.03E-14	-0.22688	7.25E-07	-0.34207	2.90E-14	-0.35243	4.19E-15
9.81E-15	-0.42635	4.75E-22	-0.38438	6.84E-18	-0.44584	3.45E-24	-0.09334	0.0438
0.9773	0.476863	6.86E-28	0.187267	4.66E-05	0.179327	9.76E-05	-0.16011	0.00051
2.47E-07	-0.41432	8.51E-21	-0.15973	0.00053	-0.29102	1.44E-10	-0.07604	0.10077
2.53E-12	0.337993	6.07E-14	0.237479	2.07E-07	0.305541	1.51E-11	0.022276	0.63111
3.07E-19	-0.48303	1.13E-28	-0.44807	1.93E-24	-0.51531	4.90E-33	-0.30371	2.02E-11
2.71E-06	-0.28868	2.05E-10	-0.23432	3.03E-07	-0.26948	3.27E-09	-0.06251	0.17747
0.01882	-0.13332	0.0039	-0.12872	0.00534	-0.16431	0.00036	0.140755	0.0023
0.3844	-0.1763	0.00013	-0.19876	1.51E-05	-0.15194	0.00099	0.233739	3.25E-07
8.96E-13	-0.42848	2.82E-22	-0.22908	5.62E-07	-0.35602	2.11E-15	-0.01339	0.7729
8.51E-11	-0.45158	7.61E-25	-0.37378	6.24E-17	-0.42345	9.64E-22	-0.06933	0.13464
4.04E-09	-0.4462	3.14E-24	-0.39031	1.92E-18	-0.42354	9.43E-22	-0.03864	0.4048
0.0075	-0.23666	2.29E-07	-0.20579	7.35E-06	-0.21126	4.12E-06	0.008122	0.86104
1.21E-09	-0.41754	3.97E-21	-0.33856	5.48E-14	-0.38484	6.20E-18	-0.07147	0.123
0.02306	-0.16582	0.00032	-0.0356	0.44276	-0.02096	0.65143	0.118906	0.01012
0.00121	-0.25372	2.71E-08	-0.25501	2.29E-08	-0.26492	6.11E-09	-0.12245	0.00807
1.01E-11	-0.46175	4.87E-26	-0.39843	3.22E-19	-0.44432	5.13E-24	-0.17739	0.00012
6.12E-08	-0.11816	0.0106	-0.15662	0.00068	-0.22396	1.01E-06	0.057711	0.21319
1.08E-10	-0.3567	1.85E-15	-0.30652	1.29E-11	-0.36098	8.07E-16	-0.09106	0.04923

4.14E-09	-0.33682	7.49E-14	-0.26994	3.06E-09	-0.32359	7.61E-13	-0.08786	0.05778
1.15E-05	-0.31683	2.39E-12	-0.2891	1.93E-10	-0.30001	3.62E-11	-0.03892	0.40136
0.61651	-0.28199	5.51E-10	-0.0296	0.5234	-0.11464	0.01318	0.082061	0.07646
6.74E-17	-0.49796	1.24E-30	-0.40427	8.68E-20	-0.47799	4.96E-28	-0.0439	0.34382
1.35E-24	0.520609	8.48E-34	0.312789	4.66E-12	0.474621	1.31E-27	0.114736	0.0131
2.06E-13	-0.41531	6.74E-21	-0.3576	1.56E-15	-0.42477	7.00E-22	-0.10493	0.02334
3.25E-11	-0.48615	4.50E-29	-0.34686	1.20E-14	-0.40525	6.94E-20	-0.08651	0.06176
0.53255	-0.35021	6.38E-15	-0.14759	0.00138	-0.19	3.59E-05	-0.08328	0.07218
0.16479	-0.32518	5.80E-13	-0.11501	0.01288	-0.14762	0.00138	-0.10848	0.01903
1.18E-13	-0.39227	1.25E-18	-0.35312	3.68E-15	-0.40893	2.98E-20	-0.13442	0.00361
0.43909	-0.19584	2.03E-05	-0.1918	3.01E-05	-0.12076	0.009	-0.19588	2.02E-05
0.01687	-0.2187	1.83E-06	-0.14817	0.00132	-0.16683	0.00029	-0.07423	0.10915
4.71E-09	-0.41069	1.99E-20	-0.40611	5.70E-20	-0.41786	3.69E-21	-0.12034	0.00924
0.00064	-0.2589	1.37E-08	-0.15127	0.00104	-0.19433	2.35E-05	-0.03393	0.46453
0.00049	-0.31532	3.07E-12	-0.1775	0.00012	-0.23253	3.75E-07	-0.05277	0.25505
1.69E-09	0.42491	6.76E-22	0.115903	0.0122	0.270376	2.88E-09	0.06515	0.15984
0.00024	-0.21076	4.34E-06	-0.24081	1.38E-07	-0.24005	1.52E-07	0.01582	0.73312
0.01046	-0.27806	9.73E-10	-0.17162	0.00019	-0.17916	9.90E-05	-0.02865	0.53681
9.31E-10	-0.40524	6.96E-20	-0.32003	1.40E-12	-0.37767	2.79E-17	-0.0997	0.03124
1.72E-14	-0.45356	4.49E-25	-0.39356	9.45E-19	-0.45208	6.67E-25	-0.10148	0.02833
7.27E-21	-0.53663	3.48E-36	-0.39193	1.35E-18	-0.52082	7.90E-34	-0.25664	1.85E-08
4.23E-13	-0.48679	3.71E-29	-0.38043	1.57E-17	-0.4484	1.76E-24	-0.22604	7.99E-07
2.29E-18	-0.57851	4.57E-43	-0.46026	7.31E-26	-0.55122	1.79E-38	-0.19361	2.52E-05
6.28E-15	-0.45958	8.81E-26	-0.43556	4.83E-23	-0.47326	1.93E-27	-0.11316	0.01442
1.29E-14	-0.46128	5.54E-26	-0.40042	2.07E-19	-0.45605	2.30E-25	-0.11771	0.0109
7.74E-14	-0.51913	1.39E-33	-0.42999	1.94E-22	-0.47986	2.87E-28	-0.1793	9.78E-05
3.08E-19	-0.48236	1.38E-28	-0.41152	1.64E-20	-0.50142	4.22E-31	-0.16265	0.00042
8.90E-12	-0.38299	9.17E-18	-0.33029	2.39E-13	-0.3997	2.43E-19	-0.09227	0.04628
4.21E-08	-0.37633	3.69E-17	-0.32735	3.99E-13	-0.35657	1.90E-15	-0.0756	0.10274
1.07E-10	-0.34837	9.02E-15	-0.29679	5.97E-11	-0.36509	3.59E-16	-0.11884	0.01016
2.04E-10	-0.42993	1.97E-22	-0.36766	2.15E-16	-0.40481	7.67E-20	-0.12211	0.00825
3.83E-15	-0.45879	1.09E-25	-0.39738	4.07E-19	-0.45958	8.82E-26	-0.11563	0.0124
2.21E-15	-0.47872	4.00E-28	-0.41597	5.77E-21	-0.47417	1.49E-27	-0.11959	0.00969
1.06E-07	-0.32671	4.45E-13	-0.25322	2.89E-08	-0.31157	5.69E-12	-0.05686	0.22005
4.32E-06	-0.32861	3.20E-13	-0.27466	1.58E-09	-0.32045	1.30E-12	-0.06007	0.19502
1.07E-12	-0.35595	2.14E-15	-0.36342	5.00E-16	-0.39961	2.48E-19	-0.11652	0.01174
0.00013	-0.32675	4.42E-13	-0.27146	2.48E-09	-0.29146	1.35E-10	-0.04706	0.31015
0.00625	-0.17851	0.00011	-0.12667	0.00613	-0.15267	0.00093	-0.01599	0.73036
0.00017	-0.26456	6.41E-09	-0.23397	3.16E-07	-0.26822	3.88E-09	-0.04465	0.3356
5.84E-15	-0.38093	1.42E-17	-0.35187	4.66E-15	-0.43833	2.39E-23	-0.2136	3.20E-06
3.13E-09	-0.38549	5.40E-18	-0.31793	1.99E-12	-0.37451	5.37E-17	-0.10032	0.03019
1.28E-09	-0.36339	5.03E-16	-0.20892	5.29E-06	-0.32134	1.12E-12	-0.15519	0.00076
0.00402	-0.02501	0.58984	0.061418	0.18519	0.050625	0.27493	0.019601	0.67268
2.91E-18	-0.38112	1.36E-17	-0.40724	4.40E-20	-0.46986	5.07E-27	-0.18391	6.39E-05
0.77989	-0.10254	0.02671	0.084965	0.06658	0.004452	0.92356	-0.00064	0.98896

0.01051	-0.27268	2.09E-09	-0.17382	0.00016	-0.17116	0.0002	-0.31175	5.52E-12
2.38E-24	0.392188	1.28E-18	0.409655	2.52E-20	0.447398	2.30E-24	0.106566	0.02126
1.97E-13	-0.44784	2.05E-24	-0.39541	6.30E-19	-0.44815	1.89E-24	-0.11058	0.01682
1.20E-13	0.311775	5.50E-12	0.311725	5.55E-12	0.354306	2.94E-15	0.327071	4.18E-13
1.40E-05	0.425424	5.96E-22	0.118627	0.0103	0.274596	1.59E-09	0.333127	1.45E-13
8.00E-08	-0.37742	2.94E-17	-0.30881	8.92E-12	-0.35451	2.82E-15	-0.09493	0.0403
0.04158	-0.28605	3.04E-10	-0.18766	4.49E-05	-0.20522	7.80E-06	-0.04342	0.34918
0.0003	-0.29038	1.59E-10	-0.19608	1.98E-05	-0.22068	1.47E-06	-0.02688	0.56233
0.22074	-0.23194	4.02E-07	-0.15532	0.00076	-0.16344	0.00039	0.065846	0.15541
4.64E-11	-0.37587	4.06E-17	-0.34831	9.12E-15	-0.38201	1.13E-17	-0.0538	0.24595
2.73E-08	-0.25299	2.97E-08	-0.31621	2.65E-12	-0.31776	2.04E-12	0.026482	0.56811
1.01E-06	-0.30288	2.30E-11	-0.2836	4.36E-10	-0.29596	6.79E-11	-0.08445	0.06826
0.00014	-0.3397	4.46E-14	-0.23663	2.30E-07	-0.27578	1.35E-09	-0.05933	0.2006
0.00181	-0.22919	5.54E-07	-0.17129	0.0002	-0.17864	0.0001	-0.13092	0.0046
0.00018	-0.2388	1.77E-07	-0.1816	7.92E-05	-0.21479	2.81E-06	-0.07508	0.10512
1.43E-10	0.472006	2.76E-27	0.087891	0.05771	0.274002	1.73E-09	0.106756	0.02103
1.69E-07	-0.14115	0.00223	-0.15846	0.00059	-0.2393	1.66E-07	-0.09957	0.03145
6.74E-07	-0.45891	1.06E-25	-0.4155	6.44E-21	-0.44426	5.20E-24	-0.04871	0.29347
0.00013	-0.42861	2.73E-22	-0.47327	1.93E-27	-0.42141	1.58E-21	-0.08289	0.07354
1.66E-09	-0.33498	1.04E-13	-0.2837	4.29E-10	-0.33868	5.36E-14	-0.075	0.1055
9.44E-09	-0.3888	2.66E-18	-0.3285	3.27E-13	-0.37596	3.98E-17	-0.1124	0.01509
1.41E-17	-0.2839	4.17E-10	-0.23869	1.79E-07	-0.3552	2.48E-15	-0.16254	0.00042
4.97E-10	-0.25665	1.84E-08	-0.26703	4.58E-09	-0.32076	1.23E-12	-0.26441	6.55E-09
0.56591	-0.27307	1.98E-09	-0.18964	3.71E-05	-0.13965	0.00249	-0.18338	6.71E-05
1.66E-05	-0.27818	9.57E-10	-0.25298	2.98E-08	-0.26608	5.21E-09	-0.07735	0.09502
2.18E-08	-0.27766	1.03E-09	-0.2281	6.29E-07	-0.28448	3.83E-10	-0.10214	0.02731
3.91E-09	-0.35047	6.08E-15	-0.31688	2.37E-12	-0.34506	1.67E-14	-0.12665	0.00613
0.00462	-0.2822	5.35E-10	-0.30277	2.34E-11	-0.27216	2.25E-09	0.015568	0.73721
3.11E-26	0.384054	7.33E-18	0.377806	2.72E-17	0.496206	2.13E-30	0.155056	0.00077
0.00192	-0.18941	3.80E-05	-0.15187	0.00099	-0.19903	1.47E-05	0.00528	0.90941
0.00084	-0.29724	5.57E-11	-0.26787	4.08E-09	-0.27558	1.39E-09	-0.08094	0.08057
9.23E-11	-0.41807	3.51E-21	-0.36961	1.45E-16	-0.40923	2.78E-20	-0.09563	0.03885
0.00077	-0.09816	0.03395	-0.07811	0.09179	-0.11907	0.01001	-0.01427	0.75848
4.40E-07	-0.38913	2.47E-18	-0.46996	4.93E-27	-0.44777	2.08E-24	-0.10892	0.01855
7.56E-13	-0.3981	3.47E-19	-0.55716	1.95E-39	-0.52056	8.62E-34	-0.11039	0.01702
4.71E-15	-0.47584	9.20E-28	-0.40976	2.46E-20	-0.46968	5.34E-27	-0.12311	0.00773
0.11366	-0.16286	0.00041	0.00036	0.99381	-0.03069	0.50826	-0.01592	0.73147
1.30E-05	-0.32975	2.62E-13	-0.35028	6.31E-15	-0.32929	2.85E-13	-0.04135	0.37258
5.87E-12	-0.17848	0.00011	-0.0795	0.08612	-0.22659	7.49E-07	-0.12703	0.00598
3.69E-11	-0.3269	4.31E-13	-0.2895	1.81E-10	-0.35555	2.31E-15	-0.07021	0.12977
1.35E-07	-0.20588	7.28E-06	-0.18874	4.05E-05	-0.23803	1.94E-07	-0.09514	0.03986
6.48E-08	-0.48725	3.24E-29	-0.35384	3.21E-15	-0.41314	1.12E-20	-0.08944	0.05341
2.68E-13	-0.43838	2.36E-23	-0.42024	2.09E-21	-0.44872	1.62E-24	-0.09765	0.0349
2.97E-09	-0.13185	0.00432	-0.29869	4.45E-11	-0.31215	5.17E-12	-0.23063	4.69E-07
1.45E-09	-0.37965	1.85E-17	-0.32991	2.55E-13	-0.36715	2.38E-16	-0.09052	0.05058

3.04E-05	-0.30167	2.79E-11	-0.25142	3.64E-08	-0.26876	3.60E-09	-0.10472	0.02362
1.07E-16	0.450024	1.15E-24	0.136914	0.00303	0.33328	1.41E-13	0.012055	0.795
6.09E-11	-0.28797	2.28E-10	-0.27152	2.46E-09	-0.34774	1.01E-14	-0.06125	0.18641
0.12929	-0.20224	1.06E-05	-0.18342	6.69E-05	-0.16764	0.00027	-0.03574	0.44095
0.0001	-0.29448	8.51E-11	-0.30512	1.61E-11	-0.31488	3.30E-12	-0.04851	0.29548
0.00131	-0.24333	1.01E-07	-0.28155	5.88E-10	-0.24204	1.19E-07	-0.02758	0.5522
7.91E-08	-0.27786	1.00E-09	-0.20752	6.13E-06	-0.26217	8.86E-09	-0.09942	0.03172
1.53E-14	-0.37223	8.54E-17	-0.35426	2.96E-15	-0.41573	6.10E-21	-0.32873	3.14E-13
0.0056	-0.22062	1.48E-06	-0.18081	8.52E-05	-0.19786	1.65E-05	-0.03177	0.49336
0.00032	-0.41839	3.25E-21	-0.22032	1.53E-06	-0.28335	4.52E-10	-0.11999	0.00945
5.68E-11	-0.38133	1.30E-17	-0.33134	1.99E-13	-0.38337	8.48E-18	-0.07376	0.11144
1.52E-06	0.240169	1.49E-07	0.136514	0.00312	0.211751	3.91E-06	0.171088	0.0002
0.00051	-0.28573	3.18E-10	-0.10206	0.02743	-0.21442	2.93E-06	-0.03386	0.46542
5.91E-16	-0.49903	8.90E-31	-0.4168	4.74E-21	-0.50738	6.40E-32	-0.03601	0.43761
1.62E-08	-0.26745	4.32E-09	-0.25901	1.35E-08	-0.32054	1.28E-12	-0.08988	0.05225
0.48487	-0.24432	8.95E-08	-0.11421	0.01352	-0.12407	0.00726	0.004626	0.92059
1.52E-10	-0.37615	3.83E-17	-0.34344	2.25E-14	-0.40971	2.49E-20	-0.04759	0.30477
3.59E-06	-0.32685	4.34E-13	-0.26877	3.60E-09	-0.31272	4.71E-12	-0.02214	0.63324
0.00281	-0.53453	7.27E-36	-0.31774	2.05E-12	-0.333	1.48E-13	-0.18949	3.77E-05
0.0055	-0.43531	5.14E-23	-0.24254	1.12E-07	-0.26317	7.74E-09	-0.0908	0.04987
3.35E-18	0.303331	2.14E-11	0.352926	3.82E-15	0.450697	9.62E-25	0.103317	0.02557
0.32662	-0.07512	0.10496	-0.14078	0.00229	-0.10577	0.02226	0.070767	0.12673
2.05E-24	0.433564	7.97E-23	0.251857	3.44E-08	0.3971	4.33E-19	0.368167	1.94E-16
0.24225	-0.07146	0.12307	0.22006	1.57E-06	0.049039	0.29027	-0.12081	0.00897
4.85E-12	-0.36925	1.56E-16	-0.4039	9.43E-20	-0.40359	1.01E-19	-0.10664	0.02117
5.09E-07	-0.28312	4.67E-10	-0.20891	5.30E-06	-0.26084	1.06E-08	-0.09859	0.03317
0.00036	-0.29303	1.06E-10	-0.21779	2.02E-06	-0.23808	1.93E-07	-0.11476	0.01308
1.61E-17	-0.43053	1.70E-22	-0.45242	6.09E-25	-0.4959	2.35E-30	-0.21407	3.04E-06
0.00758	-0.16208	0.00044	-0.2605	1.11E-08	-0.22766	6.63E-07	0.009143	0.84379
0.57252	-0.16225	0.00043	-0.03998	0.38873	-0.08973	0.05266	0.025723	0.57924
0.00523	-0.50174	3.82E-31	-0.21807	1.96E-06	-0.28966	1.77E-10	-0.10095	0.02916
8.63E-18	-0.55327	8.38E-39	-0.50282	2.72E-31	-0.56923	1.86E-41	-0.09363	0.04314
6.47E-30	-0.45743	1.58E-25	-0.53538	5.39E-36	-0.58763	1.06E-44	-0.41417	8.80E-21
6.78E-07	-0.35235	4.26E-15	-0.25971	1.23E-08	-0.32677	4.41E-13	-0.18582	5.34E-05
2.57E-19	-0.48138	1.84E-28	-0.39489	7.06E-19	-0.50984	2.91E-32	-0.21208	3.77E-06
6.54E-10	-0.41396	9.26E-21	-0.24875	5.12E-08	-0.35763	1.55E-15	-0.05417	0.24265
8.80E-09	-0.42316	1.03E-21	-0.40282	1.21E-19	-0.40303	1.15E-19	-0.14041	0.00236
0.23665	-0.37666	3.45E-17	-0.2237	1.04E-06	-0.21121	4.14E-06	-0.14386	0.00183
0.27403	-0.10729	0.02039	-0.10938	0.01806	-0.09902	0.03241	0.266855	4.69E-09
0.03672	-0.37851	2.35E-17	-0.1984	1.57E-05	-0.21326	3.32E-06	-0.06603	0.15427
0.0001	-0.33145	1.95E-13	-0.18848	4.15E-05	-0.25853	1.44E-08	-0.15616	0.00071
4.04E-13	-0.5054	1.20E-31	-0.52564	1.56E-34	-0.51595	3.97E-33	-0.06006	0.19509
1.27E-10	-0.41534	6.69E-21	-0.44145	1.08E-23	-0.44971	1.25E-24	-0.04262	0.35808
0.06267	-0.34155	3.18E-14	-0.16615	0.00031	-0.2244	9.64E-07	-0.00413	0.92915
1.30E-17	-0.49245	6.74E-30	-0.44915	1.45E-24	-0.51949	1.23E-33	-0.22014	1.56E-06

0.00832	-0.45122	8.38E-25	-0.26948	3.26E-09	-0.28902	1.95E-10	-0.14649	0.0015
0.00017	-0.40047	2.04E-19	-0.23637	2.37E-07	-0.27457	1.60E-09	-0.15115	0.00105
6.05E-08	-0.3557	2.25E-15	-0.29705	5.73E-11	-0.33922	4.86E-14	-0.15199	0.00098
9.04E-12	-0.27627	1.26E-09	-0.25878	1.39E-08	-0.32038	1.31E-12	-0.09576	0.03857
1.56E-14	-0.55875	1.07E-39	-0.50916	3.62E-32	-0.52786	7.32E-35	-0.22023	1.54E-06
0.03008	-0.13064	0.00469	-0.05264	0.25622	-0.08472	0.06738	0.027224	0.55731
0.52232	0.42088	1.79E-21	0.281633	5.80E-10	0.227824	6.50E-07	0.042343	0.36125
0.02453	0.346817	1.21E-14	0.232972	3.56E-07	0.256579	1.86E-08	0.390741	1.75E-18
4.64E-05	0.653253	3.70E-58	0.364537	4.01E-16	0.394101	8.39E-19	0.03065	0.50879
2.71E-05	-0.44644	2.95E-24	-0.22489	9.11E-07	-0.32487	6.11E-13	-0.01332	0.77398
0.1499	-0.21583	2.51E-06	-0.12229	0.00816	-0.10501	0.02324	-0.02097	0.65131
0.09927	-0.36867	1.76E-16	-0.27286	2.04E-09	-0.17397	0.00016	0.017669	0.70333
0.52306	-0.23927	1.67E-07	-0.16243	0.00042	-0.17488	0.00015	-0.08307	0.0729
0.00011	-0.59481	5.04E-46	-0.43365	7.80E-23	-0.42665	4.42E-22	-0.11179	0.01566
0.0011	-0.44431	5.14E-24	-0.31152	5.74E-12	-0.34562	1.51E-14	-0.11932	0.00985
1.58E-05	-0.58183	1.18E-43	-0.37448	5.40E-17	-0.44621	3.14E-24	-0.1091	0.01836
4.29E-05	0.513181	9.83E-33	0.270016	3.03E-09	0.349966	6.69E-15	0.289239	1.89E-10
0.09758	-0.38649	4.36E-18	-0.22927	5.50E-07	-0.28883	2.00E-10	-0.19385	2.47E-05
2.66E-09	-0.62856	1.03E-52	-0.43269	9.93E-23	-0.50688	7.51E-32	-0.10609	0.02185
5.46E-08	-0.58201	1.09E-43	-0.40907	2.89E-20	-0.46344	3.05E-26	0.058141	0.20979
0.41349	-0.34136	3.30E-14	-0.25504	2.28E-08	-0.25083	3.93E-08	-0.11962	0.00967
7.58E-05	0.370064	1.33E-16	0.062425	0.17807	0.17743	0.00012	0.143077	0.00194
0.2885	-0.17128	0.0002	0.066281	0.1527	-0.02372	0.60911	-0.02269	0.62472
0.2449	-0.29671	6.04E-11	-0.1088	0.01868	-0.15827	0.0006	-0.04259	0.3584
0.04764	-0.18811	4.30E-05	-0.00563	0.90337	-0.04431	0.33939	-0.16205	0.00044
2.06E-08	-0.56114	4.29E-40	-0.3071	1.17E-11	-0.43729	3.11E-23	-0.12895	0.00526
0.80504	-0.29987	3.70E-11	-0.07459	0.10745	-0.1248	0.00693	0.112001	0.01546
0.00081	-0.42636	4.74E-22	-0.16185	0.00045	-0.31467	3.42E-12	-0.04809	0.29969
2.67E-06	-0.1931	2.65E-05	-0.11612	0.01204	-0.01875	0.68618	0.016852	0.71643
0.1239	-0.25941	1.28E-08	-0.15178	0.001	-0.11815	0.01061	0.307287	1.14E-11
0.8371	-0.42991	1.98E-22	-0.13135	0.00447	-0.19709	1.79E-05	0.184343	6.14E-05
0.14773	-0.37535	4.52E-17	-0.16004	0.00052	-0.22378	1.03E-06	-0.06943	0.13407
0.78969	-0.32942	2.78E-13	0.017706	0.70274	-0.09103	0.04931	0.044972	0.33218
0.00393	-0.31752	2.13E-12	-0.2405	1.44E-07	-0.22996	5.07E-07	-0.22893	5.72E-07
2.74E-06	-0.27737	1.07E-09	-0.11664	0.01165	-0.06639	0.15203	-0.00688	0.88206
6.36E-08	-0.4842	8.01E-29	-0.26742	4.34E-09	-0.38143	1.27E-17	-0.14051	0.00234
3.64E-08	-0.6262	3.21E-52	-0.31159	5.67E-12	-0.45391	4.08E-25	-0.05264	0.25628
0.19268	-0.19451	2.31E-05	0.070828	0.1264	-0.01875	0.68612	-0.04268	0.35742
0.00464	-0.4305	1.71E-22	-0.19722	1.76E-05	-0.27498	1.51E-09	-0.12766	0.00573
0.00897	-0.24201	1.19E-07	0.017314	0.709	-0.10816	0.01939	0.021974	0.63575
1.45E-13	-0.62257	1.82E-51	-0.50627	9.11E-32	-0.56297	2.12E-40	-0.1521	0.00098
0.06905	-0.35152	4.99E-15	-0.1613	0.00047	-0.22708	7.08E-07	-0.02676	0.56406
0.46907	-0.29885	4.34E-11	-0.14929	0.00121	-0.17902	0.0001	0.311786	5.49E-12
6.24E-10	-0.57526	1.70E-42	-0.39066	1.78E-18	-0.48046	2.41E-28	0.037982	0.41285
0.20728	-0.40258	1.27E-19	-0.24393	9.40E-08	-0.25966	1.24E-08	-0.08379	0.07044

1.58E-14	-0.08408	0.06946	-0.13788	0.00283	0.06623	0.15301	0.133055	0.00397
0.01823	-0.55725	1.88E-39	-0.39294	1.08E-18	-0.38813	3.07E-18	0.098998	0.03245
0.0045	-0.42444	7.58E-22	-0.18513	5.70E-05	-0.30572	1.47E-11	-0.13497	0.00347
0.25614	-0.25762	1.62E-08	-0.04764	0.3043	-0.11721	0.01125	0.032419	0.48463
0.03762	-0.40865	3.18E-20	-0.18	9.18E-05	-0.24743	6.05E-08	0.088157	0.05695
0.08913	-0.39023	1.95E-18	-0.18654	4.99E-05	-0.23352	3.33E-07	0.020452	0.65934
0.84212	-0.32174	1.04E-12	-0.15318	0.0009	-0.16597	0.00032	0.247591	5.93E-08
1.86E-11	-0.48406	8.36E-29	-0.26807	3.97E-09	-0.43451	6.29E-23	-0.0172	0.71077
0.02309	-0.19101	3.25E-05	-0.04092	0.37766	-0.03617	0.43555	-0.0839	0.07007
0.00382	-0.27953	7.88E-10	-0.114	0.0137	-0.0963	0.03749	-0.0692	0.13539
0.41048	-0.30344	2.11E-11	-0.09629	0.03752	-0.15386	0.00085	-0.45706	1.75E-25
7.03E-10	-0.54788	6.14E-38	-0.39208	1.30E-18	-0.47827	4.56E-28	0.02444	0.59832
4.81E-08	-0.49993	6.73E-31	-0.32892	3.04E-13	-0.39919	2.72E-19	-0.11718	0.01127
0.00071	-0.34139	3.28E-14	-0.17948	9.63E-05	-0.23604	2.47E-07	-0.0396	0.39327
0.00085	-0.47348	1.81E-27	-0.26674	4.76E-09	-0.34145	3.24E-14	-0.01331	0.77426
0.00095	0.548883	4.25E-38	0.305939	1.42E-11	0.313067	4.45E-12	0.229957	5.07E-07
1.80E-07	0.535762	4.72E-36	0.319479	1.53E-12	0.379433	1.94E-17	0.240814	1.38E-07
0.00933	-0.43109	1.48E-22	-0.26767	4.19E-09	-0.30417	1.88E-11	-0.05565	0.22999
1.68E-11	-0.60908	9.35E-49	-0.39894	2.87E-19	-0.48702	3.46E-29	-0.04591	0.32223
0.32708	-0.33961	4.53E-14	-0.16809	0.00026	-0.19356	2.54E-05	-0.12604	0.00638
0.02423	-0.45879	1.09E-25	-0.16713	0.00029	-0.27439	1.64E-09	-0.13175	0.00435
1.46E-06	-0.55646	2.54E-39	-0.3685	1.82E-16	-0.4404	1.41E-23	-0.16864	0.00025
4.70E-09	-0.54878	4.40E-38	-0.34283	2.52E-14	-0.44042	1.40E-23	-0.12529	0.00671
0.01076	-0.47428	1.44E-27	-0.31039	6.90E-12	-0.36118	7.76E-16	0.024762	0.59351
0.05525	0.455109	2.96E-25	0.143882	0.00183	0.235719	2.56E-07	0.185655	5.43E-05
0.58278	-0.32795	3.59E-13	0.020759	0.65455	-0.0631	0.17345	-0.08564	0.06444
0.00067	-0.50628	9.07E-32	-0.34494	1.71E-14	-0.41673	4.82E-21	0.089814	0.05243
0.00064	0.523739	2.97E-34	0.114531	0.01327	0.216638	2.30E-06	0.275552	1.39E-09
0.43241	-0.32979	2.61E-13	-0.08498	0.06653	-0.14207	0.00209	0.034928	0.45144
3.83E-06	-0.44165	1.02E-23	-0.40266	1.25E-19	-0.42683	4.23E-22	0.038359	0.40822
1.01E-08	-0.42254	1.20E-21	-0.29212	1.22E-10	-0.37281	7.60E-17	-0.18961	3.72E-05
0.00237	-0.42987	2.00E-22	-0.24835	5.39E-08	-0.31878	1.72E-12	-0.08525	0.06568
0.00027	-0.4662	1.42E-26	-0.36685	2.53E-16	-0.39284	1.11E-18	0.086643	0.06136
0.65315	-0.14214	0.00208	0.108709	0.01878	-0.00024	0.99581	0.013622	0.76906
1.28E-07	-0.5825	8.93E-44	-0.53889	1.57E-36	-0.52995	3.57E-35	-0.22681	7.31E-07
4.55E-05	0.407634	4.02E-20	0.221411	1.35E-06	0.331002	2.11E-13	0.157523	0.00063
0.00638	0.477748	5.31E-28	0.329061	2.96E-13	0.320238	1.35E-12	0.060473	0.19205
1.55E-06	-0.50884	4.00E-32	-0.44565	3.63E-24	-0.449	1.51E-24	-0.09362	0.04317
1.01E-07	-0.20884	5.33E-06	-0.15136	0.00103	-0.02331	0.61538	-0.00779	0.86661
6.26E-07	-0.65104	1.20E-57	-0.43261	1.01E-22	-0.50283	2.70E-31	0.029007	0.53177
4.38E-13	-0.5752	1.74E-42	-0.39916	2.74E-19	-0.50389	1.94E-31	-0.08228	0.07569
2.53E-09	-0.59099	2.57E-45	-0.37406	5.89E-17	-0.48761	2.90E-29	-0.13157	0.0044
0.00445	-0.45864	1.14E-25	-0.28864	2.06E-10	-0.30935	8.17E-12	0.054378	0.24086
0.01651	0.441203	1.15E-23	0.2668	4.72E-09	0.283875	4.18E-10	0.354206	2.99E-15
0.13969	0.398151	3.43E-19	0.165391	0.00033	0.232352	3.83E-07	-0.20664	6.73E-06



0.0748	-0.3206	1.27E-12	-0.17046	0.00021	-0.18983	3.64E-05	-0.06706	0.14792
2.92E-14	0.613126	1.48E-49	0.279336	8.10E-10	0.459932	8.01E-26	0.079053	0.08793
0.84403	-0.40435	8.51E-20	-0.29893	4.28E-11	-0.24636	6.93E-08	-0.0507	0.27418
5.97E-14	-0.51153	1.68E-32	-0.40461	8.02E-20	-0.48649	4.06E-29	-0.17694	0.00012
1.22E-07	-0.49885	9.39E-31	-0.37	1.34E-16	-0.38513	5.83E-18	-0.17857	0.0001
0.14184	-0.14677	0.00147	-0.06145	0.18495	-0.03092	0.505	0.121632	0.00851
0.0143	-0.43601	4.31E-23	-0.13648	0.00312	-0.22899	5.68E-07	0.093186	0.04414
0.61868	-0.27312	1.96E-09	-0.10193	0.02762	-0.15678	0.00067	0.066577	0.15087
0.00174	0.521735	5.82E-34	0.265897	5.34E-09	0.310889	6.36E-12	0.118894	0.01012
0.06274	-0.26012	1.17E-08	-0.09963	0.03135	-0.15781	0.00062	0.047035	0.31046
0.00282	-0.45482	3.21E-25	-0.2886	2.07E-10	-0.30442	1.80E-11	-0.23483	2.85E-07
0.2519	-0.44085	1.26E-23	-0.25087	3.91E-08	-0.28297	4.77E-10	-0.15728	0.00065
3.05E-13	-0.53268	1.39E-35	-0.39541	6.30E-19	-0.49101	1.04E-29	-0.03	0.51781
1.09E-05	-0.25601	2.01E-08	-0.01363	0.76889	-0.0397	0.39204	0.21091	4.28E-06
0.01563	-0.29449	8.51E-11	-0.11365	0.014	-0.10602	0.02194	0.153932	0.00085
7.78E-09	-0.50689	7.49E-32	-0.30574	1.46E-11	-0.42445	7.56E-22	-0.1277	0.00572
0.01971	-0.51746	2.41E-33	-0.2765	1.22E-09	-0.35625	2.02E-15	0.052362	0.25877
0.00502	-0.47061	4.11E-27	-0.24997	4.38E-08	-0.30025	3.48E-11	0.094027	0.04226
1.35E-09	-0.5857	2.38E-44	-0.36545	3.34E-16	-0.46652	1.30E-26	-0.14869	0.00127
0.17378	-0.3259	5.12E-13	-0.2145	2.90E-06	-0.18245	7.32E-05	0.318195	1.90E-12
0.03817	-0.41901	2.80E-21	-0.20379	9.04E-06	-0.2642	6.73E-09	-0.17469	0.00015
2.88E-09	-0.51458	6.22E-33	-0.33037	2.35E-13	-0.41713	4.38E-21	-0.21096	4.26E-06
0.43274	-0.21894	1.78E-06	-0.02174	0.63933	-0.10523	0.02295	0.167519	0.00028
0.00323	-0.42198	1.37E-21	-0.19252	2.81E-05	-0.28231	5.26E-10	-0.0146	0.753
0.39805	-0.27588	1.33E-09	-0.1027	0.02647	-0.09631	0.03748	-0.19247	2.82E-05
4.54E-07	-0.55416	6.02E-39	-0.20936	5.05E-06	-0.35829	1.36E-15	-0.17153	0.0002
5.84E-08	-0.54563	1.39E-37	-0.3425	2.67E-14	-0.43813	2.52E-23	-0.08852	0.05593
0.01828	-0.38065	1.50E-17	0.036517	0.43112	-0.13248	0.00413	-0.11261	0.0149
0.00011	-0.1632	0.0004	-0.08252	0.07483	-0.0118	0.79918	-0.05225	0.25978
0.02189	-0.30544	1.53E-11	-0.14265	0.002	-0.18803	4.33E-05	-0.16613	0.00031
0.00572	-0.3786	2.31E-17	-0.07483	0.10632	-0.20269	1.01E-05	-0.0856	0.06456
4.56E-06	-0.56578	7.18E-41	-0.3205	1.29E-12	-0.42431	7.82E-22	-0.04018	0.38637
8.28E-06	-0.41821	3.39E-21	-0.227	7.15E-07	-0.33083	2.17E-13	0.022675	0.62501
9.05E-08	-0.55067	2.20E-38	-0.28341	4.47E-10	-0.40779	3.88E-20	0.012866	0.78155
8.32E-05	-0.55042	2.41E-38	-0.37405	5.90E-17	-0.3844	6.81E-18	0.005269	0.90959
0.63713	-0.36021	9.39E-16	-0.07733	0.09509	-0.14035	0.00237	-0.1217	0.00847
9.38E-05	-0.4909	1.08E-29	-0.27575	1.35E-09	-0.35997	9.84E-16	-0.05183	0.26368
0.46912	-0.3171	2.28E-12	-0.119	0.01006	-0.19274	2.75E-05	-0.0512	0.26949
0.43884	-0.31156	5.70E-12	-0.24914	4.87E-08	-0.18882	4.02E-05	-0.27058	2.80E-09
0.40259	-0.46214	4.37E-26	-0.2415	1.27E-07	-0.24207	1.18E-07	0.240817	1.38E-07
0.23275	-0.37303	7.26E-17	-0.1129	0.01464	-0.1636	0.00039	-0.10057	0.02977
0.02653	-0.37661	3.48E-17	-0.24245	1.13E-07	-0.29146	1.35E-10	-0.09737	0.03542
6.87E-09	0.569344	1.78E-41	0.348698	8.48E-15	0.446948	2.58E-24	0.236752	2.26E-07
0.43067	-0.21371	3.16E-06	0.000315	0.99458	-0.06999	0.13094	-0.2761	1.29E-09
7.98E-10	-0.49481	3.27E-30	-0.33929	4.80E-14	-0.42237	1.25E-21	-0.06292	0.17463

3.07E-10	-0.68836	7.72E-67	-0.48624	4.37E-29	-0.54741	7.29E-38	-0.17121	0.0002
0.05181	-0.52333	3.41E-34	-0.29819	4.81E-11	-0.32697	4.26E-13	-0.1132	0.01438
0.41815	0.490232	1.32E-29	0.23666	2.29E-07	0.249205	4.84E-08	0.074455	0.10808
0.0289	-0.41459	7.99E-21	-0.09298	0.04462	-0.22819	6.23E-07	-0.25102	3.83E-08
0.00289	-0.27244	2.16E-09	-0.07695	0.09673	-0.15595	0.00072	-0.06638	0.15208
0.81192	-0.55568	3.40E-39	-0.18363	6.56E-05	-0.26383	7.08E-09	0.101665	0.02803
6.57E-08	-0.33903	5.03E-14	-0.12835	0.00547	-0.28432	3.92E-10	-0.08616	0.06283
0.38089	-0.29076	1.50E-10	-0.1164	0.01183	-0.16063	0.00049	-0.30865	9.15E-12
0.82195	-0.24023	1.48E-07	-0.09617	0.03776	-0.11092	0.01648	0.074599	0.10739
0.01952	-0.42494	6.71E-22	-0.06458	0.16353	-0.2109	4.28E-06	0.034719	0.45416
1.02E-10	-0.54377	2.73E-37	-0.33676	7.58E-14	-0.47596	8.91E-28	-0.12723	0.0059
0.08949	-0.3839	7.57E-18	-0.18701	4.77E-05	-0.21938	1.70E-06	0.094431	0.04137
0.00108	-0.50083	5.08E-31	-0.35872	1.25E-15	-0.39706	4.37E-19	0.085057	0.06628
1.17E-09	-0.5843	4.25E-44	-0.40757	4.08E-20	-0.48615	4.49E-29	-0.08265	0.07436
0.54418	-0.36184	6.83E-16	-0.09654	0.03703	-0.13472	0.00354	-0.09268	0.04531
1.34E-08	-0.65305	4.13E-58	-0.51125	1.84E-32	-0.53561	4.98E-36	-0.04545	0.32711
0.07297	0.375365	4.50E-17	0.213939	3.09E-06	0.207315	6.26E-06	0.088259	0.05666
1.69E-11	-0.56695	4.55E-41	-0.50567	1.10E-31	-0.55162	1.55E-38	0.035625	0.44246
0.22182	0.312547	4.85E-12	0.174985	0.00014	0.184761	5.90E-05	0.05122	0.26932
0.03675	-0.27481	1.55E-09	0.003921	0.93265	-0.0571	0.21806	0.134463	0.0036
0.0215	-0.24937	4.74E-08	-0.26035	1.13E-08	-0.12978	0.00497	-0.00967	0.83493
0.20668	-0.34885	8.25E-15	-0.08726	0.05953	-0.17355	0.00016	-0.10879	0.01869
0.59781	-0.31706	2.30E-12	-0.10904	0.01842	-0.14335	0.0019	-0.38981	2.14E-18
5.94E-05	-0.33807	5.99E-14	0.017375	0.70804	-0.212	3.81E-06	-0.23725	2.13E-07
0.05627	-0.53276	1.35E-35	-0.2776	1.04E-09	-0.35018	6.43E-15	-0.13002	0.00489
0.54168	-0.49122	9.77E-30	-0.23973	1.58E-07	-0.25707	1.75E-08	-0.09139	0.0484
1.26E-06	-0.5448	1.88E-37	-0.33357	1.34E-13	-0.39824	3.36E-19	-0.06553	0.15744
0.01895	-0.33788	6.19E-14	-0.02473	0.59401	-0.10437	0.0241	0.04404	0.34231
0.31633	-0.32633	4.75E-13	-0.10845	0.01907	-0.15205	0.00098	-0.36853	1.81E-16
0.00229	-0.42529	6.16E-22	-0.27044	2.86E-09	-0.30204	2.63E-11	-0.04917	0.28895
0.33418	-0.17	0.00022	-0.09351	0.0434	-0.10681	0.02096	-0.1584	0.00059
0.00034	-0.57328	3.75E-42	-0.36291	5.53E-16	-0.41457	8.03E-21	0.001484	0.97449
0.68355	-0.46019	7.46E-26	-0.20053	1.26E-05	-0.23185	4.06E-07	0.143091	0.00194
0.20758	-0.33995	4.26E-14	-0.23312	3.49E-07	-0.25862	1.42E-08	0.097049	0.03603
1.35E-05	-0.4531	5.08E-25	-0.24529	7.92E-08	-0.3487	8.49E-15	-0.09214	0.0466
0.0197	-0.51043	2.40E-32	-0.2678	4.12E-09	-0.30606	1.39E-11	-0.23161	4.18E-07
0.06415	-0.36664	2.64E-16	-0.28237	5.22E-10	-0.31894	1.68E-12	-0.1195	0.00974
3.35E-09	-0.44892	1.54E-24	-0.25114	3.78E-08	-0.38561	5.27E-18	-0.09681	0.03649
0.73167	-0.35391	3.16E-15	-0.07366	0.11191	-0.10462	0.02377	-0.15791	0.00062
5.34E-05	-0.40257	1.27E-19	-0.22817	6.25E-07	-0.29895	4.27E-11	0.032308	0.48612
0.12525	-0.25626	1.94E-08	0.087346	0.05928	-0.00753	0.87102	0.095802	0.0385
0.24065	0.417361	4.15E-21	0.26877	3.60E-09	0.245048	8.17E-08	0.013981	0.76316
2.40E-09	-0.59248	1.36E-45	-0.37987	1.77E-17	-0.45856	1.17E-25	-0.04818	0.29884
0.05177	-0.50231	3.19E-31	-0.3245	6.52E-13	-0.33444	1.15E-13	-0.07537	0.10381
0.00394	-0.2167	2.28E-06	-0.08046	0.08239	-0.06181	0.18236	0.262267	8.74E-09

0.99074	-0.28812	2.23E-10	-0.23464	2.92E-07	-0.21816	1.94E-06	0.054709	0.23801
0.00019	-0.62808	1.30E-52	-0.33006	2.48E-13	-0.41408	9.01E-21	0.062505	0.17752
0.79179	-0.35664	1.88E-15	-0.1037	0.02502	-0.16854	0.00025	-0.28894	1.97E-10
0.03137	-0.36216	6.41E-16	-0.28089	6.47E-10	-0.29211	1.22E-10	-0.13294	0.004
0.0238	0.343587	2.19E-14	0.017255	0.70996	0.111631	0.0158	0.007705	0.86812
0.03226	-0.43748	2.97E-23	-0.29118	1.41E-10	-0.28374	4.27E-10	-0.34351	2.22E-14
0.11214	-0.36549	3.32E-16	-0.25329	2.86E-08	-0.27663	1.19E-09	-0.09128	0.04867
0.0033	-0.45315	5.01E-25	-0.20461	8.31E-06	-0.28759	2.41E-10	-0.2089	5.30E-06
0.00194	-0.27558	1.39E-09	-0.20712	6.40E-06	-0.22531	8.68E-07	-0.32811	3.49E-13
0.00296	0.553378	8.05E-39	0.235717	2.56E-07	0.29668	6.07E-11	0.315678	2.89E-12
0.02428	0.583691	5.46E-44	0.335713	9.14E-14	0.298042	4.92E-11	0.243779	9.57E-08
0.04486	-0.37958	1.88E-17	-0.18414	6.25E-05	-0.2646	6.38E-09	-0.0579	0.21166
0.94614	-0.23841	1.85E-07	0.057829	0.21226	-0.00994	0.83031	0.002292	0.9606
0.24269	-0.33874	5.31E-14	-0.15044	0.00111	-0.15278	0.00093	0.05885	0.20428
0.00338	-0.44618	3.16E-24	-0.21283	3.48E-06	-0.27532	1.44E-09	-0.17619	0.00013
0.40188	-0.21646	2.34E-06	-0.0228	0.62314	-0.13116	0.00453	-0.27457	1.60E-09
6.15E-08	-0.57353	3.38E-42	-0.29735	5.47E-11	-0.43068	1.64E-22	-0.07694	0.09676
3.15E-09	-0.62072	4.35E-51	-0.52988	3.65E-35	-0.5625	2.55E-40	-0.163	0.00041
0.88047	-0.39948	2.55E-19	-0.09259	0.04552	-0.16822	0.00026	-0.05461	0.23886
0.02385	-0.28629	2.93E-10	-0.15713	0.00066	-0.08235	0.07542	-0.05898	0.20329
0.01529	-0.36125	7.66E-16	-0.10484	0.02346	-0.24427	9.00E-08	-0.0731	0.11466
0.8115	-0.34933	7.53E-15	-0.14544	0.00163	-0.18573	5.39E-05	0.034456	0.45759
0.00115	-0.51857	1.67E-33	-0.14863	0.00128	-0.30583	1.44E-11	-0.09078	0.04993
0.00234	-0.37631	3.71E-17	-0.23335	3.40E-07	-0.17302	0.00017	0.05867	0.20567
0.02417	-0.49125	9.69E-30	-0.31963	1.49E-12	-0.3125	4.88E-12	-0.04534	0.32823
0.01281	-0.49998	6.63E-31	-0.28492	3.59E-10	-0.33508	1.02E-13	-0.05168	0.26502
5.48E-07	-0.4982	1.15E-30	-0.34211	2.87E-14	-0.41954	2.47E-21	0.078251	0.0912
0.00018	-0.41603	5.69E-21	-0.15968	0.00053	-0.30535	1.56E-11	-0.16533	0.00033
0.05582	-0.13331	0.0039	-0.00988	0.83135	0.000618	0.98937	-0.15801	0.00061
0.37096	-0.37671	3.41E-17	-0.14465	0.00172	-0.20629	6.97E-06	0.317152	2.26E-12
0.69328	-0.33336	1.39E-13	-0.11472	0.01311	-0.15205	0.00098	0.307454	1.11E-11
0.0054	-0.37513	4.72E-17	-0.15502	0.00078	-0.25425	2.53E-08	-0.24664	6.69E-08
0.35589	-0.34299	2.45E-14	-0.17978	9.36E-05	-0.23361	3.30E-07	-0.08057	0.08199
0.84854	-0.14963	0.00118	-0.06217	0.17986	-0.11314	0.01443	-0.20876	5.38E-06
1.75E-06	-0.53077	2.69E-35	-0.29484	8.05E-11	-0.38292	9.32E-18	-0.07279	0.1162
0.01874	-0.30641	1.31E-11	-0.04927	0.28802	-0.07156	0.12252	-0.05166	0.26519
0.07293	-0.31439	3.58E-12	-0.13357	0.00383	-0.12529	0.00671	-0.14005	0.00242
0.8674	-0.22797	6.39E-07	-0.00425	0.92705	-0.10375	0.02495	0.050006	0.28085
0.00151	-0.38779	3.30E-18	-0.18818	4.27E-05	-0.25356	2.76E-08	-0.26523	5.85E-09
0.04314	-0.43185	1.22E-22	-0.20911	5.18E-06	-0.27803	9.78E-10	-0.16962	0.00023
0.11497	-0.28966	1.77E-10	-0.1334	0.00388	-0.14673	0.00147	0.012826	0.78221
2.42E-07	0.292049	1.23E-10	0.053435	0.24913	0.193053	2.67E-05	0.385304	5.62E-18
0.68668	0.094771	0.04064	-0.1382	0.00276	-0.03629	0.43393	0.324642	6.36E-13
0.73153	-0.15328	0.00089	-0.0545	0.23978	-0.05034	0.27764	-0.18449	6.05E-05
7.30E-07	0.07124	0.12421	-0.0773	0.09523	-0.10963	0.01779	0.124502	0.00706

7.01E-07	0.084979	0.06653	-0.15159	0.00102	-0.14847	0.00129	0.294504	8.48E-11
5.73E-07	0.076629	0.09814	-0.20691	6.54E-06	-0.15337	0.00088	0.142279	0.00206
4.76E-06	0.296471	6.27E-11	0.253622	2.74E-08	0.288097	2.24E-10	0.456055	2.30E-25
2.80E-09	0.377087	3.15E-17	0.106584	0.02124	0.265737	5.46E-09	0.415301	6.75E-21
9.26E-05	0.50311	2.48E-31	0.310892	6.36E-12	0.336038	8.62E-14	0.366824	2.54E-16
0.18593	0.251362	3.67E-08	-0.0018	0.96898	0.008436	0.85572	0.468848	6.75E-27
0.0393	0.421609	1.50E-21	0.19718	1.77E-05	0.216023	2.46E-06	0.400565	2.00E-19
0.00063	0.432292	1.10E-22	0.258022	1.54E-08	0.274483	1.62E-09	0.425967	5.22E-22
0.5254	0.138122	0.00278	0.023744	0.60878	0.05985	0.19668	0.42173	1.46E-21
0.01442	0.042972	0.35415	-0.08653	0.06169	-0.08307	0.07289	0.297802	5.10E-11
2.09E-06	-0.05509	0.23471	0.133794	0.00377	0.13731	0.00294	-0.09251	0.04571
0.11403	0.205657	7.45E-06	0.049837	0.28248	0.051058	0.27083	0.092309	0.04618
5.31E-06	0.080996	0.08037	-0.101	0.02909	-0.1175	0.01104	0.291446	1.35E-10
0.00973	0.206276	6.98E-06	0.021507	0.64296	0.021905	0.63681	0.132388	0.00416
0.00139	0.278811	8.73E-10	0.008862	0.84852	0.003249	0.94417	0.434911	5.68E-23
0.0256	0.030352	0.51292	-0.07632	0.0995	-0.12523	0.00673	0.303631	2.04E-11
2.75E-05	0.107886	0.0197	-0.10814	0.01941	-0.06694	0.14865	0.089105	0.05432
0.09153	0.021615	0.64129	-0.08638	0.06215	-0.09174	0.04756	0.125343	0.00669
0.00064	0.141787	0.00213	-0.05454	0.23944	-0.04848	0.29584	0.299658	3.82E-11
0.40903	0.237637	2.03E-07	0.176528	0.00013	0.167415	0.00028	0.306192	1.36E-11
0.05095	0.261697	9.44E-09	0.027726	0.55006	0.089941	0.05209	0.23158	4.19E-07
0.64466	0.206935	6.52E-06	-0.00166	0.97145	0.070739	0.12688	0.298909	4.30E-11
1.37E-05	-0.2937	9.59E-11	0.009961	0.83002	0.040189	0.38621	0.082953	0.07331
0.90937	-0.31804	1.95E-12	-0.0857	0.06424	-0.14271	0.00199	-0.2381	1.92E-07
6.82E-07	0.205815	7.33E-06	-0.04524	0.32927	-0.04269	0.35729	0.123531	0.00753
0.03153	0.301317	2.95E-11	0.219778	1.62E-06	0.202161	1.07E-05	0.423169	1.03E-21
0.00303	0.306282	1.34E-11	-0.06197	0.18124	-0.01153	0.80371	0.132934	0.004
2.73E-06	0.444618	4.75E-24	0.245304	7.91E-08	0.298269	4.75E-11	0.400418	2.07E-19
2.91E-05	0.384952	6.06E-18	0.25801	1.54E-08	0.268791	3.59E-09	0.691675	1.01E-67
0.17405	0.193395	2.58E-05	0.003681	0.93677	-0.00797	0.86364	0.123408	0.00759
0.42321	0.077789	0.09314	0.089961	0.05204	0.054869	0.23664	0.358253	1.37E-15
0.18188	0.021834	0.6379	-0.091	0.04936	-0.06915	0.13564	0.320593	1.27E-12
0.42283	0.178074	0.00011	0.042173	0.36317	0.114683	0.01314	0.331027	2.10E-13
0.20629	0.108399	0.01912	0.030816	0.50649	0.051645	0.26536	0.369905	1.37E-16
0.82133	0.160606	0.00049	0.073447	0.11294	0.048618	0.29444	0.440751	1.29E-23
1.58E-09	0.073522	0.11258	-0.15526	0.00076	-0.14758	0.00138	0.024906	0.59135
0.01832	0.154495	0.00081	-0.0488	0.29258	-0.05599	0.22715	0.315982	2.75E-12
2.22E-12	-0.23529	2.70E-07	-0.00635	0.89113	0.094248	0.04177	0.103411	0.02543
0.06021	0.333383	1.38E-13	0.196397	1.92E-05	0.17241	0.00018	0.297971	4.97E-11
0.3046	0.192482	2.82E-05	-0.085	0.06645	0.03188	0.49191	0.456885	1.83E-25
0.47979	0.167748	0.00027	0.055162	0.23413	0.040809	0.37891	0.175702	0.00014
1.65E-09	-0.00262	0.95499	-0.17856	0.0001	-0.20321	9.61E-06	0.126242	0.0063
0.02316	0.331939	1.79E-13	0.248769	5.11E-08	0.243974	9.34E-08	0.447666	2.14E-24
1.64E-07	0.080846	0.08094	-0.16167	0.00045	-0.16542	0.00033	0.003546	0.93908
0.00012	0.174641	0.00015	-0.10391	0.02473	-0.10247	0.02682	0.137623	0.00288

0.47201	0.233143	3.48E-07	0.029854	0.51985	0.110809	0.01659	-0.07073	0.12691
7.00E-16	-0.08092	0.08066	0.185589	5.46E-05	0.221382	1.36E-06	0.165208	0.00034
0.06662	0.130295	0.0048	0.098986	0.03246	0.040152	0.38664	0.290041	1.67E-10
0.60775	0.35775	1.51E-15	0.162549	0.00042	0.166876	0.00029	0.195421	2.11E-05
0.06176	0.303844	1.98E-11	0.017441	0.70697	0.0395	0.39441	0.190709	3.35E-05
0.49811	0.143624	0.00186	0.084222	0.069	0.051416	0.26749	0.471985	2.78E-27
0.00096	0.064936	0.16121	-0.08416	0.06921	-0.07647	0.09884	0.246465	6.84E-08
0.75964	0.122108	0.00825	0.105302	0.02286	0.057013	0.21878	0.357708	1.53E-15
0.00315	0.160448	0.0005	-0.05193	0.26277	-0.04487	0.33332	0.414836	7.53E-21
0.01032	0.19455	2.30E-05	0.209629	4.90E-06	0.198508	1.55E-05	0.195387	2.12E-05
0.32204	-0.29559	7.18E-11	-0.2458	7.44E-08	-0.12873	0.00534	-0.14763	0.00138
0.17739	0.218141	1.95E-06	0.088473	0.05606	0.065846	0.15541	0.294848	8.05E-11
1.22E-07	0.124419	0.0071	-0.19584	2.02E-05	-0.16573	0.00032	-0.10392	0.02472
3.76E-10	-0.05114	0.27008	-0.35387	3.19E-15	-0.31307	4.45E-12	-0.11187	0.01558
0.00298	0.357513	1.58E-15	0.179355	9.73E-05	0.208022	5.81E-06	0.254429	2.47E-08
0.36671	0.277773	1.01E-09	0.063336	0.17181	0.060956	0.18852	0.037548	0.41821
0.5629	0.29305	1.06E-10	0.114704	0.01313	0.107483	0.02017	0.467864	8.90E-27
2.84E-09	0.339809	4.37E-14	0.232216	3.89E-07	0.300067	3.58E-11	0.643312	6.61E-56
0.26938	-0.40044	2.06E-19	-0.15829	0.0006	-0.14073	0.0023	-0.1546	0.0008
0.38372	-0.28172	5.73E-10	-0.07176	0.12151	-0.0784	0.09061	-0.01886	0.68437
0.23278	-0.21874	1.82E-06	0.002527	0.95656	-0.03967	0.39238	-0.08748	0.05889
0.43643	0.178225	0.00011	0.104958	0.02331	0.075184	0.10466	0.05639	0.22387
0.18091	-0.28175	5.70E-10	-0.07223	0.11908	-0.07445	0.10811	0.01138	0.80624
0.0005	0.231191	4.39E-07	-0.00304	0.94781	0.021535	0.64252	0.083496	0.07144
5.51E-07	0.231446	4.26E-07	-0.05484	0.23687	-0.07684	0.09721	0.163175	0.0004
0.41615	-0.3108	6.45E-12	-0.27596	1.31E-09	-0.2104	4.52E-06	-0.21436	2.95E-06
6.69E-05	-0.13285	0.00403	-0.01289	0.78123	0.049752	0.2833	-0.00669	0.88528
0.93421	0.467984	8.60E-27	0.019719	0.67081	0.10651	0.02133	0.220631	1.48E-06
0.15245	0.328443	3.30E-13	0.062212	0.17956	0.087546	0.0587	0.293581	9.77E-11
8.55E-05	-0.35491	2.61E-15	-0.05142	0.26745	-0.0282	0.54331	0.059208	0.20153
0.63139	0.207236	6.32E-06	0.021228	0.64726	0.103392	0.02546	0.206667	6.71E-06
0.032	0.399268	2.67E-19	0.214678	2.85E-06	0.238515	1.83E-07	0.286767	2.73E-10
0.00457	-0.2011	1.19E-05	-0.07355	0.11245	-0.02868	0.53636	-0.35715	1.70E-15
3.70E-09	-0.06753	0.14507	0.171802	0.00019	0.163983	0.00037	0.239656	1.59E-07
0.00333	0.159917	0.00052	-0.07162	0.12222	-0.08104	0.0802	0.409189	2.81E-20
0.23294	0.138387	0.00273	0.050216	0.27883	0.027677	0.55076	0.3477	1.02E-14
0.94836	0.182297	7.43E-05	-0.12248	0.00805	-0.0151	0.74481	0.269957	3.06E-09
0.29647	0.311564	5.69E-12	0.131947	0.00429	0.118397	0.01045	0.322794	8.73E-13
7.03E-05	0.004874	0.91633	-0.08354	0.0713	-0.10455	0.02385	-0.04392	0.34363
0.96189	0.145562	0.00161	-0.03563	0.44235	0.038	0.41263	0.29783	5.08E-11
0.3579	0.242485	1.12E-07	-0.03427	0.46007	0.042193	0.36294	0.393819	8.93E-19
0.02487	0.082584	0.0746	-0.03811	0.41122	-0.07355	0.11242	0.007397	0.87334
0.85879	0.201915	1.10E-05	0.042343	0.36125	0.082967	0.07326	0.450823	9.31E-25
1.81E-17	-0.01395	0.7637	-0.28974	1.75E-10	-0.29954	3.89E-11	-0.07529	0.10417
0.01441	0.194184	2.39E-05	0.028347	0.54116	0.023865	0.60695	0.378431	2.39E-17

0.97844	0.246453	6.85E-08	0.107026	0.02071	0.088424	0.0562	0.243015	1.05E-07
0.00019	0.318942	1.68E-12	0.253813	2.67E-08	0.261526	9.66E-09	0.446878	2.63E-24
0.05621	0.064115	0.16659	-0.10574	0.02229	-0.07747	0.09448	0.120782	0.00898
0.05852	0.105312	0.02284	0.039701	0.39201	0.114398	0.01337	0.27265	2.10E-09
0.00193	0.524967	1.96E-34	0.216618	2.30E-06	0.271132	2.59E-09	0.53795	2.18E-36
0.5948	0.192542	2.80E-05	0.157249	0.00065	0.136271	0.00317	0.178715	0.0001
0.16803	0.270621	2.79E-09	0.178903	0.0001	0.156918	0.00067	0.417837	3.70E-21
1.82E-06	-0.32978	2.61E-13	0.053377	0.24964	0.047217	0.30859	-0.01775	0.70199
0.1554	0.19522	2.15E-05	0.072456	0.1179	0.0425	0.35947	0.257762	1.59E-08
0.04754	0.143838	0.00183	0.115795	0.01228	0.114947	0.01293	0.334322	1.17E-13
2.00E-09	0.440084	1.53E-23	0.263368	7.54E-09	0.36493	3.71E-16	0.66218	2.97E-60
0.87236	0.180543	8.73E-05	0.104744	0.02359	0.063556	0.17033	0.486871	3.62E-29
0.75637	0.333281	1.41E-13	0.144664	0.00172	0.173193	0.00017	0.165697	0.00032
0.41361	0.284478	3.83E-10	0.09129	0.04865	0.102244	0.02715	-0.01885	0.68453
0.051	0.08421	0.06904	-0.00137	0.97639	-0.01114	0.81019	0.437463	2.98E-23
0.0002	0.187555	4.53E-05	-0.03739	0.42021	-0.01271	0.78415	-0.01494	0.74738
0.01513	0.200049	1.33E-05	-0.04465	0.33565	-0.03737	0.42046	0.346166	1.36E-14
0.00028	-0.26476	6.24E-09	-0.05372	0.24662	-0.03267	0.48118	0.130549	0.00472
0.06828	-0.31284	4.62E-12	-0.15304	0.00091	-0.10074	0.0295	-0.01123	0.80867
0.98241	0.412104	1.43E-20	0.188476	4.15E-05	0.191475	3.11E-05	0.411247	1.74E-20
0.59849	0.187982	4.35E-05	0.178325	0.00011	0.132557	0.00411	0.128145	0.00555
0.80754	0.279952	7.41E-10	0.168965	0.00024	0.138366	0.00273	0.408362	3.40E-20
0.67365	0.147068	0.00144	0.041176	0.37464	0.048912	0.29152	0.508243	4.85E-32
0.00069	0.111716	0.01572	0.008752	0.85039	-0.04059	0.38145	0.204307	8.57E-06
3.67E-06	0.034593	0.4558	0.076481	0.09879	-0.05592	0.22775	0.341276	3.35E-14
0.107	0.130607	0.0047	0.13841	0.00272	0.104374	0.02409	0.359439	1.09E-15
0.00019	0.086721	0.06113	-0.03304	0.47623	-0.07655	0.09847	0.289416	1.84E-10
0.82391	0.451634	7.50E-25	0.201292	1.17E-05	0.2074	6.21E-06	0.296614	6.13E-11
0.00114	0.144559	0.00174	-0.04943	0.28641	-0.05056	0.27558	0.494867	3.22E-30
0.06954	0.321848	1.03E-12	0.191006	3.25E-05	0.185205	5.66E-05	0.222062	1.26E-06
0.38093	0.26453	6.44E-09	0.120856	0.00894	0.111918	0.01553	0.294132	8.98E-11
0.19076	0.30497	1.65E-11	0.211944	3.83E-06	0.115703	0.01235	0.393697	9.17E-19
0.02502	0.211184	4.15E-06	0.026434	0.56881	0.097759	0.03469	0.510902	2.06E-32
0.00088	0.224618	9.40E-07	0.167854	0.00027	0.18458	6.00E-05	0.431262	1.42E-22
1.24E-15	-0.08854	0.05588	0.261942	9.13E-09	0.218442	1.88E-06	0.15401	0.00084
0.2389	0.268194	3.90E-09	-0.07809	0.09189	0.036941	0.42578	0.031856	0.49224
0.00744	0.449469	1.33E-24	0.213726	3.16E-06	0.281883	5.60E-10	0.515676	4.35E-33
0.27321	0.263364	7.54E-09	-0.05765	0.21364	0.05355	0.24811	0.188191	4.27E-05
1.17E-07	0.120045	0.00941	-0.02141	0.64451	-0.07573	0.10214	0.080995	0.08038
0.14928	0.094057	0.04219	-0.02189	0.63699	-0.00329	0.94353	-0.09488	0.0404
5.75E-05	-0.2362	2.42E-07	0.034528	0.45665	0.032164	0.48806	-0.08377	0.07052
1.11E-06	0.19213	2.92E-05	-0.05685	0.22015	-0.07512	0.10495	-0.22461	9.40E-07
0.40322	0.387279	3.69E-18	0.127229	0.0059	0.1234	0.00759	0.295116	7.72E-11
0.13537	0.214944	2.77E-06	0.035832	0.43982	0.041849	0.36687	0.291185	1.41E-10
2.04E-09	-0.02574	0.579	-0.31386	3.90E-12	-0.2745	1.62E-09	-0.12321	0.00769

1.75E-26	0.357198	1.68E-15	0.509362	3.39E-32	0.562464	2.58E-40	0.126079	0.00637
2.43E-09	-0.52948	4.19E-35	-0.52941	4.30E-35	-0.50337	2.29E-31	-0.16709	0.00029
4.53E-09	-0.40189	1.49E-19	-0.44016	1.50E-23	-0.43162	1.30E-22	0.026642	0.56576
4.74E-07	-0.25533	2.19E-08	-0.41841	3.23E-21	-0.37168	9.55E-17	-0.04717	0.30911
0.01581	-0.11734	0.01115	-0.2084	5.59E-06	-0.17737	0.00012	-0.04711	0.30969
1.05E-06	-0.57436	2.43E-42	-0.4844	7.56E-29	-0.49564	2.54E-30	-0.0552	0.23379
0.12765	-0.24868	5.17E-08	-0.23932	1.66E-07	-0.22307	1.12E-06	0.009056	0.84524
0.82658	-0.34359	2.19E-14	-0.41062	2.02E-20	-0.28066	6.68E-10	-0.07825	0.09119
0.17933	-0.44365	6.11E-24	-0.48626	4.35E-29	-0.36216	6.41E-16	-0.04546	0.32697
2.89E-17	-0.63437	5.96E-54	-0.57632	1.11E-42	-0.59443	5.94E-46	-0.25532	2.20E-08
0.08653	0.337063	7.18E-14	0.371455	1.00E-16	0.266679	4.80E-09	0.081126	0.07989
4.96E-31	-0.29406	9.08E-11	-0.696	6.83E-69	-0.60742	1.97E-48	-0.27958	7.82E-10
1.05E-41	0.502868	2.68E-31	0.577224	7.69E-43	0.590509	3.16E-45	0.091043	0.04927
0.00246	-0.36649	2.72E-16	-0.34785	9.94E-15	-0.34243	2.71E-14	-0.07286	0.11589
1.55E-41	0.646674	1.17E-56	0.642394	1.06E-55	0.693085	4.23E-68	0.288124	2.23E-10
2.44E-07	-0.56428	1.28E-40	-0.6015	2.75E-47	-0.54387	2.63E-37	0.091891	0.04718
7.03E-10	-0.19503	2.19E-05	-0.45705	1.75E-25	-0.39213	1.29E-18	0.16535	0.00033
6.27E-14	0.505986	9.98E-32	0.732456	1.15E-79	0.577088	8.12E-43	0.082012	0.07664
0.03301	-0.39037	1.89E-18	-0.2563	1.93E-08	-0.1902	3.52E-05	-0.14425	0.00178
1.16E-16	-0.59794	1.30E-46	-0.66747	1.57E-61	-0.65134	1.02E-57	0.004748	0.9185
1.44E-12	0.531257	2.27E-35	0.632819	1.28E-53	0.579684	2.83E-43	0.208122	5.75E-06
8.52E-24	0.478176	4.69E-28	0.689872	3.07E-67	0.623936	9.48E-52	0.211426	4.05E-06
5.10E-05	-0.0298	0.52068	-0.50341	2.25E-31	-0.31389	3.89E-12	0.006012	0.89691
6.51E-09	0.222516	1.19E-06	0.378884	2.17E-17	0.330117	2.46E-13	0.100803	0.0294
0.00026	-0.36059	8.72E-16	-0.55235	1.18E-38	-0.44489	4.42E-24	0.027241	0.55706
6.69E-28	0.334895	1.06E-13	0.503413	2.25E-31	0.510873	2.08E-32	0.092269	0.04628
2.35E-18	0.360981	8.07E-16	0.738795	1.01E-81	0.589915	4.06E-45	0.009786	0.83296
1.68E-10	-0.55353	7.62E-39	-0.676	1.21E-63	-0.59016	3.66E-45	0.043117	0.35253
9.10E-09	-0.35617	2.05E-15	-0.5104	2.42E-32	-0.45597	2.35E-25	-0.00799	0.86319
1.68E-20	-0.53358	1.01E-35	-0.68708	1.68E-66	-0.66466	7.55E-61	-0.16155	0.00046
2.06E-05	-0.39825	3.36E-19	-0.42957	2.15E-22	-0.38459	6.54E-18	0.037499	0.41882
9.35E-17	0.485201	5.96E-29	0.5892	5.48E-45	0.587307	1.21E-44	0.051415	0.2675
7.32E-05	0.25677	1.82E-08	0.43301	9.16E-23	0.351764	4.76E-15	0.248523	5.27E-08
2.85E-22	0.395942	5.60E-19	0.724261	4.30E-77	0.652285	6.19E-58	0.178414	0.00011
7.16E-11	-0.34516	1.64E-14	-0.41112	1.80E-20	-0.4308	1.59E-22	-0.00778	0.86683
0.02111	-0.44739	2.30E-24	-0.30671	1.25E-11	-0.32659	4.55E-13	-0.03487	0.45215
4.96E-15	-0.59087	2.71E-45	-0.54301	3.59E-37	-0.58547	2.62E-44	-0.05849	0.20707
5.52E-08	0.457169	1.70E-25	0.652037	7.05E-58	0.468262	7.96E-27	-0.01931	0.67722
3.54E-09	-0.51966	1.17E-33	-0.64597	1.68E-56	-0.53922	1.39E-36	-0.22665	7.45E-07
0.00011	0.421286	1.62E-21	0.387191	3.76E-18	0.340451	3.89E-14	-0.05906	0.2027
0.9549	-0.02793	0.54714	-0.1951	2.18E-05	-0.09857	0.03321	0.19435	2.35E-05
0.00015	0.435048	5.49E-23	0.506299	9.03E-32	0.396327	5.14E-19	0.106369	0.0215
7.67E-08	0.338639	5.40E-14	0.529603	4.02E-35	0.408854	3.04E-20	0.159133	0.00056
3.60E-07	-0.40228	1.36E-19	-0.39392	8.73E-19	-0.3853	5.62E-18	-0.22235	1.22E-06
0.04976	-0.38314	8.90E-18	-0.28228	5.28E-10	-0.29461	8.35E-11	-0.0008	0.98618

1.09E-14	-0.51172	1.58E-32	-0.53709	2.96E-36	-0.53344	1.06E-35	-0.31832	1.86E-12
0.00029	0.580468	2.06E-43	0.460585	6.70E-26	0.406853	4.81E-20	-0.07086	0.12624
5.05E-11	-0.2796	7.79E-10	-0.36782	2.09E-16	-0.37823	2.49E-17	-0.15252	0.00094
8.41E-06	-0.41866	3.04E-21	-0.63505	4.26E-54	-0.47253	2.38E-27	-0.08678	0.06096
3.75E-25	0.410759	1.95E-20	0.641255	1.89E-55	0.601568	2.67E-47	0.222635	1.18E-06
4.81E-09	-0.31527	3.09E-12	-0.34709	1.14E-14	-0.37126	1.04E-16	-0.07575	0.10206
6.87E-26	0.461818	4.77E-26	0.649479	2.71E-57	0.621447	3.09E-51	-0.00321	0.94487
1.98E-30	-0.51369	8.32E-33	-0.68544	4.54E-66	-0.69028	2.40E-67	-0.24156	1.26E-07
0.03328	-0.24533	7.89E-08	-0.27214	2.25E-09	-0.24522	7.99E-08	0.014475	0.75505
0.14424	-0.24292	1.06E-07	-0.31888	1.69E-12	-0.2729	2.02E-09	-0.06011	0.19475
1.12E-08	0.399861	2.34E-19	0.457051	1.75E-25	0.439315	1.86E-23	0.035301	0.44663
1.75E-23	0.632343	1.62E-53	0.68568	3.94E-66	0.642084	1.24E-55	0.086917	0.06055
5.28E-10	0.467207	1.07E-26	0.582711	8.19E-44	0.498277	1.12E-30	-0.07347	0.11281
0.00106	0.54814	5.58E-38	0.609675	7.15E-49	0.462053	4.47E-26	0.080195	0.08342
4.19E-38	-0.54244	4.40E-37	-0.65335	3.51E-58	-0.69095	1.58E-67	-0.41819	3.40E-21
9.33E-26	0.4444	5.02E-24	0.748069	7.70E-85	0.659649	1.19E-59	-0.04115	0.37492
3.07E-20	-0.51508	5.28E-33	-0.58304	7.14E-44	-0.56735	3.89E-41	-0.3378	6.28E-14
2.81E-17	0.485298	5.79E-29	0.669149	6.11E-62	0.603814	9.89E-48	0.100115	0.03053
6.96E-17	0.428843	2.58E-22	0.555789	3.27E-39	0.560072	6.46E-40	0.124407	0.00711
5.56E-09	-0.43623	4.08E-23	-0.4829	1.18E-28	-0.46724	1.06E-26	0.212312	3.68E-06
3.22E-10	-0.44189	9.61E-24	-0.63743	1.30E-54	-0.56651	5.40E-41	-0.00797	0.86367
1.75E-05	-0.36275	5.71E-16	-0.27303	1.99E-09	-0.30385	1.97E-11	-0.2455	7.72E-08
4.65E-06	0.322799	8.72E-13	0.445888	3.41E-24	0.392874	1.10E-18	0.011341	0.80689
3.25E-09	0.419349	2.58E-21	0.544377	2.19E-37	0.439683	1.69E-23	0.246728	6.62E-08
0.0012	-0.30774	1.06E-11	-0.43969	1.69E-23	-0.34531	1.59E-14	0.254332	2.50E-08
1.04E-08	-0.29977	3.76E-11	-0.40217	1.39E-19	-0.37308	7.19E-17	-0.08273	0.07407
0.02375	-0.25042	4.14E-08	-0.26242	8.56E-09	-0.23222	3.89E-07	0.246438	6.86E-08
1.18E-09	0.381546	1.24E-17	0.564035	1.41E-40	0.472933	2.12E-27	-0.06053	0.19163
4.09E-17	0.548504	4.88E-38	0.67294	7.06E-63	0.64304	7.60E-56	-0.05961	0.19849
0.00412	-0.36615	2.91E-16	-0.28298	4.77E-10	-0.28787	2.31E-10	0.404383	8.45E-20
1.26E-09	-0.25023	4.24E-08	-0.47206	2.72E-27	-0.43524	5.24E-23	-0.12201	0.0083
7.60E-11	-0.31854	1.79E-12	-0.44857	1.69E-24	-0.43038	1.76E-22	-0.10035	0.03014
1.36E-20	-0.49509	3.00E-30	-0.65679	5.58E-59	-0.62865	9.82E-53	-0.28912	1.92E-10
9.56E-07	-0.18235	7.39E-05	-0.32545	5.54E-13	-0.26691	4.65E-09	0.259049	1.34E-08
2.59E-06	0.410122	2.26E-20	0.353391	3.50E-15	0.385875	4.98E-18	0.173928	0.00016
0.2206	0.0712	0.12442	-0.25174	3.50E-08	-0.06791	0.14283	0.024706	0.59434
2.29E-21	-0.60633	3.23E-48	-0.67731	5.65E-64	-0.65637	6.99E-59	-0.29595	6.79E-11
0.30407	-0.36712	2.40E-16	-0.39376	9.05E-19	-0.2998	3.74E-11	-0.23972	1.58E-07
0.00012	-0.43766	2.84E-23	-0.50103	4.76E-31	-0.42365	9.17E-22	-0.07804	0.0921
0.21205	0.377903	2.66E-17	0.345213	1.62E-14	0.254372	2.49E-08	0.365233	3.49E-16
4.42E-12	-0.39563	6.00E-19	-0.44848	1.73E-24	-0.43709	3.28E-23	-0.25193	3.41E-08
1.67E-05	-0.47921	3.47E-28	-0.42052	1.95E-21	-0.39036	1.90E-18	0.063162	0.17299
4.12E-24	-0.37279	7.63E-17	-0.72787	3.25E-78	-0.61875	1.10E-50	-0.30541	1.54E-11
0.16784	0.270465	2.85E-09	0.334959	1.05E-13	0.27012	2.99E-09	0.120675	0.00904
0.01732	-0.36838	1.86E-16	-0.45442	3.57E-25	-0.35533	2.41E-15	0.122449	0.00807



4.38E-07	-0.46256	3.89E-26	-0.68028	9.86E-65	-0.54589	1.27E-37	0.080936	0.0806
4.55E-08	-0.50017	6.23E-31	-0.50074	5.23E-31	-0.44664	2.80E-24	0.128865	0.00529
1.51E-05	-0.22984	5.14E-07	-0.36873	1.74E-16	-0.2812	6.18E-10	-0.06954	0.13344
8.35E-08	0.405466	6.60E-20	0.509116	3.67E-32	0.414389	8.37E-21	0.073609	0.11215
0.82779	0.093969	0.04238	0.291424	1.36E-10	0.128608	0.00538	-0.28605	3.03E-10
0.0004	-0.40111	1.77E-19	-0.3674	2.27E-16	-0.36319	5.23E-16	-0.06691	0.14881
0.11559	-0.33033	2.37E-13	-0.18539	5.56E-05	-0.13917	0.00258	0.076625	0.09815
0.01061	-0.52569	1.53E-34	-0.50592	1.02E-31	-0.41512	7.04E-21	-0.14629	0.00152
5.23E-15	-0.24862	5.21E-08	-0.43053	1.70E-22	-0.39899	2.84E-19	-0.00155	0.97342
2.66E-24	0.342281	2.79E-14	0.480134	2.65E-28	0.469404	5.77E-27	0.189243	3.86E-05
0.00213	-0.23262	3.71E-07	-0.33003	2.50E-13	-0.21898	1.77E-06	-0.25122	3.74E-08
2.78E-10	-0.5241	2.62E-34	-0.55109	1.88E-38	-0.51091	2.05E-32	-0.24928	4.79E-08
0.03872	-0.42704	4.02E-22	-0.59817	1.18E-46	-0.4499	1.19E-24	-0.05774	0.21292
2.47E-05	-0.46216	4.35E-26	-0.47	4.87E-27	-0.45334	4.76E-25	-0.07168	0.1219
9.95E-11	-0.42211	1.33E-21	-0.67798	3.82E-64	-0.5168	3.00E-33	-0.20771	6.01E-06
2.30E-14	-0.42908	2.43E-22	-0.64196	1.32E-55	-0.58697	1.40E-44	0.046181	0.31933
0.25122	-0.09753	0.03511	-0.1774	0.00012	-0.13844	0.00272	0.252806	3.05E-08
0.00101	-0.27437	1.64E-09	-0.59005	3.82E-45	-0.40914	2.84E-20	-0.01887	0.68426
4.78E-22	-0.49245	6.74E-30	-0.68626	2.77E-66	-0.64016	3.29E-55	-0.3413	3.33E-14
0.00035	-0.15962	0.00054	-0.5079	5.41E-32	-0.35811	1.41E-15	-0.08747	0.05891
3.78E-32	0.58581	2.27E-44	0.762335	6.50E-90	0.702518	1.07E-70	0.086409	0.06207
0.13982	-0.10768	0.01994	-0.16283	0.00041	-0.08348	0.07148	0.388353	2.93E-18
0.00076	0.364327	4.18E-16	0.598076	1.23E-46	0.441162	1.16E-23	-0.15772	0.00062
0.00058	-0.24871	5.15E-08	-0.26901	3.48E-09	-0.2723	2.20E-09	0.089936	0.05211
0.11631	-0.16909	0.00024	-0.19881	1.50E-05	-0.19865	1.53E-05	0.101459	0.02836
0.85913	-0.32336	7.93E-13	-0.334	1.24E-13	-0.25058	4.06E-08	-0.09469	0.04082
0.00468	-0.40645	5.28E-20	-0.27941	8.01E-10	-0.29013	1.65E-10	0.305448	1.53E-11
4.07E-24	-0.45691	1.82E-25	-0.74451	1.26E-83	-0.68231	2.96E-65	-0.28738	2.49E-10
0.1981	-0.11054	0.01686	-0.17279	0.00018	-0.07996	0.08433	0.333261	1.41E-13
5.98E-09	-0.41814	3.45E-21	-0.67884	2.30E-64	-0.54438	2.19E-37	-0.1517	0.00101
0.31854	-0.0363	0.43384	-0.20304	9.77E-06	-0.12631	0.00627	0.248747	5.13E-08
2.48E-11	-0.37958	1.88E-17	-0.52409	2.64E-34	-0.48209	1.49E-28	-0.21515	2.71E-06
1.17E-06	0.22164	1.32E-06	0.493809	4.45E-30	0.384655	6.45E-18	0.271795	2.36E-09
1.38E-19	-0.43448	6.33E-23	-0.69489	1.37E-68	-0.58644	1.74E-44	-0.16558	0.00033
0.00047	0.490372	1.26E-29	0.646637	1.19E-56	0.486764	3.74E-29	0.019919	0.66767
1.86E-14	0.314755	3.37E-12	0.495547	2.61E-30	0.477758	5.29E-28	0.130915	0.0046
1.61E-19	-0.52681	1.05E-34	-0.71885	1.91E-75	-0.65164	8.71E-58	-0.18962	3.72E-05
4.20E-11	0.370703	1.17E-16	0.535329	5.50E-36	0.450729	9.54E-25	-0.09341	0.04363
2.27E-16	-0.38759	3.45E-18	-0.5022	3.30E-31	-0.49226	7.13E-30	-0.34681	1.21E-14
2.17E-15	0.457446	1.58E-25	0.576536	1.01E-42	0.548365	5.13E-38	-0.03923	0.3977
1.48E-22	0.596411	2.53E-46	0.755765	1.56E-87	0.691133	1.41E-67	0.019332	0.67691
7.72E-09	-0.42503	6.56E-22	-0.47313	2.00E-27	-0.47439	1.40E-27	-0.20814	5.74E-06
9.15E-24	0.410483	2.08E-20	0.672641	8.38E-63	0.590093	3.76E-45	0.025971	0.5756
2.26E-23	-0.49174	8.36E-30	-0.74114	1.69E-82	-0.6664	2.87E-61	-0.04152	0.37063
5.90E-19	0.341605	3.15E-14	0.580361	2.15E-43	0.467438	1.00E-26	-0.04876	0.29307

1.38E-10	-0.36215	6.42E-16	-0.55937	8.44E-40	-0.46606	1.47E-26	-0.19541	2.11E-05
8.37E-10	-0.26716	4.50E-09	-0.43656	3.75E-23	-0.4262	4.93E-22	-0.13176	0.00434
0.92932	-0.21935	1.70E-06	-0.33246	1.63E-13	-0.21408	3.04E-06	0.182612	7.21E-05
8.07E-10	0.396694	4.74E-19	0.452709	5.64E-25	0.39546	6.22E-19	0.483833	8.94E-29
3.04E-06	0.157941	0.00061	0.277308	1.08E-09	0.247168	6.26E-08	0.240427	1.45E-07
1.11E-15	0.542701	4.01E-37	0.682058	3.44E-65	0.607677	1.76E-48	0.059801	0.19705
0.78548	-0.24506	8.15E-08	-0.18114	8.27E-05	-0.17419	0.00015	-0.10872	0.01877
0.01389	-0.25878	1.39E-08	-0.27656	1.21E-09	-0.26391	7.00E-09	0.088759	0.05527
8.79E-13	-0.42387	8.70E-22	-0.55737	1.80E-39	-0.5	6.58E-31	-0.27397	1.74E-09
3.11E-08	-0.29117	1.41E-10	-0.5305	2.95E-35	-0.42296	1.08E-21	-0.22744	6.80E-07
0.01715	-0.12788	0.00565	-0.26106	1.03E-08	-0.17858	0.0001	-0.12547	0.00663
0.00595	-0.21942	1.69E-06	-0.23299	3.55E-07	-0.23464	2.92E-07	0.071069	0.12512
2.70E-23	-0.50038	5.84E-31	-0.69655	4.83E-69	-0.64958	2.57E-57	-0.31412	3.74E-12
0.00162	-0.12559	0.00658	-0.53752	2.54E-36	-0.33903	5.03E-14	-0.15729	0.00065
0.7371	0.109148	0.0183	0.304202	1.87E-11	0.152013	0.00098	0.296275	6.46E-11
3.11E-07	-0.41197	1.47E-20	-0.4852	5.95E-29	-0.46186	4.71E-26	-0.22519	8.80E-07
2.97E-26	-0.42691	4.14E-22	-0.66961	4.72E-62	-0.60296	1.45E-47	-0.29518	7.65E-11
5.60E-06	0.422551	1.20E-21	0.49912	8.65E-31	0.42251	1.21E-21	0.137131	0.00298
4.18E-13	-0.20684	6.58E-06	-0.52548	1.64E-34	-0.42608	5.08E-22	0.006153	0.8945
8.66E-23	0.431835	1.23E-22	0.696403	5.29E-69	0.618137	1.46E-50	0.211253	4.12E-06
6.56E-22	0.478201	4.65E-28	0.605509	4.65E-48	0.617939	1.60E-50	0.302077	2.61E-11
2.40E-13	-0.63372	8.24E-54	-0.62338	1.24E-51	-0.59554	3.68E-46	-0.09684	0.03644
1.62E-12	-0.39633	5.13E-19	-0.52954	4.11E-35	-0.5124	1.27E-32	-0.40615	5.65E-20
8.40E-10	-0.54637	1.07E-37	-0.65007	1.99E-57	-0.56881	2.20E-41	-0.11599	0.01213
4.24E-08	0.180193	9.02E-05	0.459457	9.12E-26	0.322731	8.82E-13	-0.03855	0.40585
0.26622	-0.20119	1.18E-05	-0.44728	2.37E-24	-0.23009	5.00E-07	0.122085	0.00826
4.37E-07	-0.30818	9.86E-12	-0.51976	1.13E-33	-0.4309	1.55E-22	-0.01082	0.81564
0.00219	0.460072	7.71E-26	0.486987	3.50E-29	0.387405	3.59E-18	0.210273	4.58E-06
3.55E-23	0.514678	6.03E-33	0.689773	3.26E-67	0.647531	7.49E-57	0.257443	1.66E-08
2.44E-07	-0.51644	3.39E-33	-0.48057	2.33E-28	-0.47175	2.97E-27	-0.12955	0.00505
2.20E-15	0.250037	4.35E-08	0.499324	8.12E-31	0.449629	1.28E-24	0.378483	2.36E-17
3.67E-07	-0.42874	2.64E-22	-0.47235	2.50E-27	-0.44677	2.71E-24	0.085098	0.06615
6.93E-29	0.322781	8.75E-13	0.637013	1.60E-54	0.573653	3.23E-42	0.241423	1.28E-07
8.66E-32	0.336433	8.04E-14	0.614386	8.32E-50	0.576425	1.06E-42	0.216087	2.44E-06
1.88E-15	-0.52995	3.57E-35	-0.61089	4.12E-49	-0.57864	4.33E-43	-0.22732	6.89E-07
2.71E-15	0.344108	1.99E-14	0.623927	9.52E-52	0.530511	2.94E-35	0.252698	3.09E-08
0.006	0.191557	3.08E-05	0.448534	1.70E-24	0.273606	1.83E-09	0.059999	0.19557
8.75E-10	0.349775	6.93E-15	0.436742	3.58E-23	0.387402	3.59E-18	-0.02994	0.51863
0.30366	-0.24642	6.88E-08	-0.39065	1.78E-18	-0.27584	1.34E-09	-0.10527	0.0229
6.49E-05	-0.16917	0.00024	-0.44299	7.24E-24	-0.33735	6.82E-14	0.356233	2.03E-15
0.00056	-0.43898	2.03E-23	-0.56613	6.25E-41	-0.43347	8.16E-23	-0.02666	0.56557
1.97E-16	-0.50499	1.37E-31	-0.63322	1.05E-53	-0.59229	1.48E-45	0.063071	0.17362
6.59E-06	-0.19092	3.28E-05	-0.59155	2.03E-45	-0.41394	9.30E-21	-0.02678	0.56374
0.02454	0.475674	9.66E-28	0.40387	9.49E-20	0.351952	4.60E-15	0.097607	0.03497
9.37E-10	0.21056	4.44E-06	0.373307	6.86E-17	0.317751	2.05E-12	-0.10373	0.02498

4.30E-06	-0.34001	4.21E-14	-0.42766	3.44E-22	-0.38652	4.34E-18	0.019859	0.66861
4.05E-18	-0.52971	3.88E-35	-0.73068	4.24E-79	-0.6479	6.19E-57	-0.13589	0.00326
5.69E-24	0.414691	7.79E-21	0.638894	6.23E-55	0.592638	1.28E-45	0.02994	0.51865
0.00366	-0.17799	0.00011	-0.25174	3.49E-08	-0.22858	5.95E-07	-0.01682	0.71702
0.00035	-0.23919	1.68E-07	-0.27282	2.05E-09	-0.29699	5.79E-11	-0.02039	0.66036
0.07583	-0.27398	1.74E-09	-0.37703	3.19E-17	-0.28213	5.40E-10	-0.07513	0.10489
4.13E-26	0.541112	7.09E-37	0.618121	1.47E-50	0.619803	6.70E-51	0.127703	0.00572
1.02E-13	0.386299	4.55E-18	0.470676	4.03E-27	0.502273	3.23E-31	-0.01258	0.7863
0.76621	-0.33942	4.69E-14	-0.39534	6.39E-19	-0.29088	1.47E-10	-0.03227	0.48664
0.00318	-0.5155	4.61E-33	-0.41495	7.33E-21	-0.43026	1.82E-22	0.296462	6.28E-11
0.9116	0.52034	9.28E-34	0.440609	1.34E-23	0.292756	1.11E-10	-0.11983	0.00954
1.90E-13	0.125563	0.00659	0.615135	5.89E-50	0.449044	1.49E-24	0.089585	0.05303
4.22E-07	0.519339	1.29E-33	0.468782	6.87E-27	0.446178	3.16E-24	0.117094	0.01133
0.46543	0.354016	3.10E-15	0.34578	1.46E-14	0.243427	1.00E-07	-0.06899	0.13659
1.10E-12	0.484471	7.40E-29	0.556537	2.47E-39	0.562066	3.01E-40	0.20386	8.98E-06
1.85E-22	-0.61025	5.51E-49	-0.69843	1.47E-69	-0.67869	2.52E-64	-0.18267	7.18E-05
5.46E-15	-0.51672	3.08E-33	-0.5909	2.67E-45	-0.53358	1.01E-35	-0.20468	8.25E-06
4.76E-11	-0.31646	2.54E-12	-0.60856	1.19E-48	-0.50301	2.56E-31	-0.11786	0.0108
1.09E-05	-0.2764	1.23E-09	-0.52823	6.43E-35	-0.3867	4.18E-18	-0.05358	0.24784
0.3125	-0.14035	0.00237	-0.39628	5.19E-19	-0.23807	1.93E-07	0.056326	0.2244
1.67E-06	-0.25513	2.25E-08	-0.35211	4.46E-15	-0.30855	9.30E-12	-0.1787	0.0001
3.38E-06	-0.26967	3.18E-09	-0.26661	4.84E-09	-0.29118	1.41E-10	0.182544	7.26E-05
0.00341	0.473989	1.57E-27	0.459388	9.29E-26	0.36101	8.03E-16	-0.02563	0.58068
0.01649	-0.40134	1.68E-19	-0.36049	8.89E-16	-0.33311	1.45E-13	-0.14201	0.0021
0.92497	-0.29397	9.21E-11	-0.29085	1.48E-10	-0.20809	5.77E-06	0.107677	0.01994
1.07E-11	-0.49845	1.07E-30	-0.51294	1.07E-32	-0.5218	5.70E-34	-0.23306	3.52E-07
2.66E-13	0.343359	2.29E-14	0.33207	1.75E-13	0.399783	2.38E-19	0.019677	0.67148
0.3409	0.428972	2.50E-22	0.439908	1.60E-23	0.26573	5.47E-09	-0.13861	0.00268
4.47E-11	0.187208	4.68E-05	0.478037	4.88E-28	0.38884	2.64E-18	0.268223	3.88E-09
2.60E-09	-0.56883	2.18E-41	-0.49066	1.16E-29	-0.50143	4.21E-31	-0.18024	8.97E-05
1.91E-08	-0.30087	3.16E-11	-0.54407	2.45E-37	-0.44337	6.56E-24	0.110061	0.01735
0.01232	-0.34642	1.30E-14	-0.41982	2.31E-21	-0.33305	1.47E-13	-0.22879	5.81E-07
9.69E-09	-0.31911	1.63E-12	-0.46812	8.29E-27	-0.42538	6.02E-22	0.055497	0.23131
0.81971	-0.23907	1.71E-07	-0.39524	6.54E-19	-0.24796	5.66E-08	-0.0389	0.40164
1.93E-11	0.518904	1.50E-33	0.564586	1.14E-40	0.475378	1.05E-27	0.066154	0.15348
1.31E-19	-0.46048	6.88E-26	-0.69384	2.65E-68	-0.61299	1.58E-49	-0.07711	0.09603
0.0183	-0.48188	1.59E-28	-0.3747	5.16E-17	-0.35399	3.12E-15	-0.09678	0.03655
1.01E-06	-0.30985	7.53E-12	-0.52852	5.83E-35	-0.42654	4.54E-22	0.072491	0.11772
5.01E-09	-0.24458	8.67E-08	-0.37736	2.98E-17	-0.34755	1.05E-14	-0.3636	4.83E-16
1.30E-13	-0.43961	1.73E-23	-0.64252	9.89E-56	-0.56474	1.08E-40	0.055753	0.22916
8.46E-09	-0.09381	0.04274	-0.37325	6.95E-17	-0.3377	6.40E-14	0.135286	0.0034
0.00313	-0.3639	4.55E-16	-0.32809	3.50E-13	-0.29676	6.00E-11	-0.16719	0.00028
1.14E-06	0.429769	2.05E-22	0.610181	5.69E-49	0.452609	5.79E-25	-0.19129	3.16E-05
1.57E-16	0.58604	2.06E-44	0.537887	2.23E-36	0.538803	1.61E-36	-0.06334	0.17176
1.39E-17	0.55922	8.93E-40	0.632474	1.52E-53	0.586011	2.09E-44	0.253715	2.71E-08

0.01023	0.420594	1.92E-21	0.625784	3.92E-52	0.435892	4.44E-23	-0.04707	0.31011
0.18052	-0.32494	6.05E-13	-0.4378	2.73E-23	-0.31651	2.52E-12	0.158807	0.00057
2.28E-13	-0.46606	1.47E-26	-0.64555	2.09E-56	-0.56945	1.70E-41	-0.06746	0.14552
9.57E-21	0.699319	8.34E-70	0.670603	2.68E-62	0.68739	1.40E-66	0.185181	5.67E-05
1.49E-21	0.494289	3.84E-30	0.53848	1.81E-36	0.559298	8.67E-40	0.305445	1.53E-11
0.00012	-0.49252	6.60E-30	-0.63548	3.45E-54	-0.49994	6.70E-31	-0.15151	0.00102
5.44E-13	0.329272	2.85E-13	0.681091	6.11E-65	0.53611	4.18E-36	-0.06791	0.14284
2.25E-11	-0.12115	0.00877	-0.42771	3.41E-22	-0.35309	3.70E-15	-0.24211	1.18E-07
2.18E-06	-0.33965	4.50E-14	-0.50914	3.64E-32	-0.43089	1.55E-22	0.098008	0.03423
8.96E-15	0.495197	2.91E-30	0.614521	7.82E-50	0.564486	1.19E-40	-0.04392	0.34357
5.04E-15	0.222468	1.20E-06	0.579751	2.75E-43	0.487624	2.89E-29	0.001848	0.96823
0.01363	-0.44071	1.30E-23	-0.40697	4.68E-20	-0.38529	5.63E-18	0.021634	0.64099
2.38E-10	-0.50677	7.78E-32	-0.59873	9.24E-47	-0.51158	1.65E-32	-0.25677	1.82E-08
4.52E-15	-0.57568	1.43E-42	-0.77094	3.78E-93	-0.66414	1.01E-60	-0.0485	0.29565
4.73E-10	-0.47495	1.19E-27	-0.58009	2.40E-43	-0.53214	1.67E-35	-0.03173	0.49395
1.77E-15	-0.5492	3.77E-38	-0.74116	1.66E-82	-0.67864	2.59E-64	-0.2516	3.56E-08
2.23E-21	-0.32915	2.91E-13	-0.5904	3.30E-45	-0.54096	7.48E-37	-0.11792	0.01076
1.79E-15	-0.47617	8.38E-28	-0.67983	1.29E-64	-0.60065	3.99E-47	-0.0121	0.79421
0.01093	-0.29664	6.11E-11	-0.47832	4.50E-28	-0.34375	2.13E-14	0.04233	0.36139
8.16E-08	-0.50796	5.32E-32	-0.63518	3.99E-54	-0.53426	8.00E-36	-0.11626	0.01193
0.00013	-0.11887	0.01014	-0.37948	1.92E-17	-0.30917	8.41E-12	0.121672	0.00849
0.29743	-0.19703	1.80E-05	-0.37818	2.52E-17	-0.26775	4.14E-09	0.004734	0.91873
0.0017	-0.27332	1.91E-09	-0.36618	2.89E-16	-0.30175	2.75E-11	-0.23833	1.87E-07
3.23E-05	0.38809	3.10E-18	0.465058	1.95E-26	0.36289	5.55E-16	0.071999	0.12024
1.11E-07	-0.25852	1.44E-08	-0.41164	1.59E-20	-0.37235	8.34E-17	-0.10134	0.02854
9.35E-06	-0.32872	3.14E-13	-0.5496	3.26E-38	-0.43516	5.33E-23	0.019547	0.67352
4.82E-13	-0.26359	7.31E-09	-0.50884	4.00E-32	-0.43057	1.68E-22	0.033199	0.47418
5.24E-05	-0.32732	4.01E-13	-0.44467	4.68E-24	-0.35691	1.78E-15	-0.19002	3.58E-05
6.35E-12	-0.41171	1.57E-20	-0.68716	1.61E-66	-0.57186	6.60E-42	-0.16539	0.00033
3.60E-08	-0.30642	1.31E-11	-0.31748	2.14E-12	-0.32856	3.23E-13	-0.13513	0.00344
1.30E-06	-0.45695	1.80E-25	-0.55733	1.83E-39	-0.45414	3.84E-25	-0.01493	0.74766
4.22E-07	-0.38941	2.33E-18	-0.53522	5.71E-36	-0.46626	1.39E-26	-0.1287	0.00535
0.0002	-0.38513	5.83E-18	-0.51607	3.82E-33	-0.42384	8.76E-22	0.064959	0.16107
0.00122	-0.32535	5.64E-13	-0.4856	5.29E-29	-0.3692	1.58E-16	-0.00933	0.84059
0.01406	-0.40536	6.76E-20	-0.41484	7.53E-21	-0.36508	3.60E-16	-0.01102	0.81229
0.00167	-0.03492	0.45158	-0.26046	1.11E-08	-0.22111	1.40E-06	-0.00013	0.99771
0.43432	-0.27615	1.28E-09	-0.3276	3.82E-13	-0.20734	6.25E-06	0.231676	4.14E-07
4.60E-06	-0.42346	9.61E-22	-0.48404	8.40E-29	-0.40213	1.41E-19	0.06249	0.17762
0.1216	-0.307	1.19E-11	-0.30683	1.23E-11	-0.26204	9.02E-09	0.030831	0.50629
3.06E-22	-0.42841	2.87E-22	-0.68778	1.10E-66	-0.62942	6.77E-53	-0.2897	1.76E-10
0.01488	-0.16134	0.00046	-0.41852	3.15E-21	-0.25984	1.21E-08	-0.12443	0.0071
0.27839	-0.3458	1.46E-14	-0.32985	2.58E-13	-0.23865	1.80E-07	0.079174	0.08744
9.94E-09	-0.50791	5.40E-32	-0.43367	7.76E-23	-0.45069	9.63E-25	-0.28192	5.57E-10
0.11386	-0.07418	0.1094	-0.23087	4.56E-07	-0.10713	0.02058	0.18052	8.75E-05
0.08772	-0.35081	5.70E-15	-0.33605	8.60E-14	-0.26078	1.07E-08	0.053691	0.24686

0.07895	-0.07018	0.12991	-0.21333	3.30E-06	-0.11206	0.0154	-0.0686	0.13879
0.8679	-0.25839	1.47E-08	-0.34834	9.08E-15	-0.20155	1.14E-05	0.019499	0.67428
2.58E-06	-0.44716	2.45E-24	-0.60711	2.27E-48	-0.48477	6.77E-29	0.024654	0.59513
1.17E-05	-0.35722	1.68E-15	-0.36742	2.26E-16	-0.34428	1.93E-14	-0.02069	0.65558
0.02213	-0.14512	0.00166	-0.07612	0.10039	-0.0308	0.50677	0.092133	0.0466
1.33E-14	-0.39734	4.11E-19	-0.59578	3.33E-46	-0.55069	2.18E-38	-0.03319	0.4743
7.23E-05	-0.39135	1.53E-18	-0.43587	4.46E-23	-0.37777	2.74E-17	-0.00465	0.92015
4.33E-28	0.378033	2.59E-17	0.608527	1.20E-48	0.590805	2.78E-45	0.031648	0.49507
0.03793	-0.18616	5.17E-05	-0.37923	2.02E-17	-0.25451	2.44E-08	0.049165	0.28903
1.17E-06	-0.52108	7.26E-34	-0.47112	3.56E-27	-0.4663	1.38E-26	-0.19176	3.03E-05
0.00041	-0.13244	0.00414	-0.09529	0.03956	-0.15633	0.0007	-0.11094	0.01647
0.02919	-0.15837	0.00059	0.059393	0.20013	0.043996	0.34278	0.055937	0.22762
1.05E-09	-0.24577	7.46E-08	-0.26361	7.29E-09	-0.32025	1.34E-12	-0.39148	1.49E-18
0.9194	-0.05794	0.21138	-0.01156	0.80317	-0.03127	0.50025	-0.09953	0.03151
7.39E-05	-0.04026	0.38542	0.082267	0.07572	0.10627	0.02163	0.038553	0.40585
0.38996	-0.11678	0.01155	0.008604	0.85289	-0.05641	0.22367	-0.1334	0.00388
0.48253	0.014501	0.75463	0.057086	0.21819	0.025307	0.58541	0.091415	0.04834
0.98373	-0.07857	0.08989	0.014681	0.75167	-0.02333	0.61502	-0.12018	0.00933
0.26048	-0.01974	0.67052	0.03209	0.48906	-0.00103	0.98229	-0.13352	0.00384
0.00876	-0.23984	1.56E-07	-0.13652	0.00311	-0.18229	7.43E-05	-0.2022	1.07E-05
0.09535	-0.26372	7.19E-09	-0.15998	0.00052	-0.18594	5.28E-05	0.023369	0.61446
0.20135	0.015119	0.74453	0.024859	0.59206	0.037878	0.41413	0.04523	0.3294
0.00016	-0.06043	0.19236	0.132787	0.00405	0.085392	0.06522	-0.01095	0.81346
0.18619	0.015139	0.7442	-0.03703	0.42465	-0.0337	0.46748	-0.01643	0.72326
0.40052	-0.04663	0.31461	-0.03219	0.48776	-0.06641	0.15187	-0.03143	0.49799
0.19569	-0.08069	0.08153	0.072515	0.1176	0.072817	0.11608	-0.03729	0.42139
0.00075	-0.30242	2.48E-11	-0.18673	4.90E-05	-0.24294	1.06E-07	-0.08473	0.06733
0.68635	-0.00848	0.8549	0.032591	0.48231	0.018369	0.69216	-0.06329	0.17211
0.00045	-0.04606	0.32056	0.078473	0.09029	0.111005	0.0164	-0.07985	0.08476
0.73934	-0.06627	0.15276	-0.07351	0.11264	-0.07928	0.08701	0.001003	0.98276
0.75139	-0.05452	0.23962	-0.03252	0.48321	-0.04221	0.3628	-0.00153	0.97378
0.94915	-0.14179	0.00213	-0.02776	0.54964	-0.07055	0.12792	0.007502	0.87155
0.00086	-0.09551	0.03909	-0.14618	0.00154	-0.16267	0.00042	-0.15678	0.00067
0.12833	-0.00569	0.90247	-0.07876	0.08911	-0.0855	0.06487	-0.05498	0.23573
0.93597	-0.05591	0.2278	0.000573	0.99015	-0.02616	0.57286	-0.02898	0.53212
0.20221	-0.23348	3.35E-07	-0.13573	0.00329	-0.16577	0.00032	-0.12079	0.00898
0.00016	-0.161	0.00048	-0.13085	0.00462	-0.17981	9.34E-05	-0.21598	2.47E-06
0.03975	0.06183	0.18225	0.124557	0.00704	0.097932	0.03437	-0.07586	0.10156
2.70E-11	-0.27294	2.01E-09	-0.29323	1.03E-10	-0.34537	1.58E-14	-0.25411	2.57E-08
8.62E-13	-0.18946	3.78E-05	-0.3029	2.29E-11	-0.35537	2.40E-15	-0.2769	1.15E-09
0.69044	-0.07244	0.11798	-0.0228	0.62318	-0.05289	0.25401	-0.11817	0.01059
0.90377	-0.04945	0.28623	-0.00445	0.92358	-0.03799	0.41275	-0.00225	0.96137
0.24617	-0.07377	0.11137	0.138485	0.00271	0.037156	0.42309	0.030537	0.51035
4.99E-06	0.069877	0.13159	0.211715	3.92E-06	0.183938	6.38E-05	-0.0151	0.74488
0.39733	-0.00755	0.8708	0.000479	0.99176	0.015659	0.73573	-0.00424	0.92725

0.00027	-0.27673	1.18E-09	-0.1844	6.11E-05	-0.23194	4.02E-07	-0.25479	2.35E-08
0.00042	0.009081	0.84482	0.13501	0.00346	0.135739	0.00329	-0.02112	0.64892
0.79647	-0.09811	0.03404	-0.03877	0.40327	-0.07275	0.11642	-0.01628	0.72561
0.82626	-0.1968	1.84E-05	-0.09049	0.05068	-0.09226	0.04631	-0.0172	0.71084
0.84827	-0.00462	0.92064	0.04249	0.35958	0.013835	0.76556	-0.04762	0.30451
0.45779	-0.05343	0.24917	0.048661	0.294	0.006328	0.89151	-0.06371	0.16932
0.18901	-0.07901	0.08811	0.005911	0.89863	-0.01061	0.8191	-0.11207	0.0154
0.20493	-0.10562	0.02245	-0.025	0.58991	-0.01535	0.74078	-0.2263	7.75E-07
0.24296	-0.00416	0.92849	0.038819	0.40262	0.042835	0.35568	-0.04341	0.34925
0.09101	-0.01042	0.82225	0.025732	0.57912	0.046345	0.31761	-0.01728	0.70952
0.94113	-0.04077	0.37943	-0.03905	0.39985	-0.03123	0.50084	-0.12897	0.00525
0.00264	-0.19126	3.18E-05	-0.12083	0.00896	-0.16808	0.00026	-0.05214	0.26081
0.77844	-0.05341	0.24936	0.019722	0.67076	-0.01868	0.68727	-0.0779	0.09265
0.59508	-0.07205	0.11998	0.064109	0.16663	-0.00017	0.99706	0.00938	0.83979
0.0628	-0.04878	0.29285	0.03047	0.51128	0.038389	0.40785	-0.02979	0.5207
0.12878	-0.06907	0.13615	0.018466	0.69061	0.00092	0.98418	-0.08195	0.07688
0.35703	-0.14908	0.00123	-0.13233	0.00418	-0.14087	0.00228	-0.08533	0.06542
0.82168	-0.18844	4.16E-05	-0.05496	0.23589	-0.0507	0.27426	-0.14135	0.0022
0.63566	-0.00291	0.94991	0.001301	0.97764	0.001452	0.97503	0.049348	0.28724
5.42E-06	-0.18643	5.05E-05	-0.13642	0.00314	-0.19849	1.55E-05	-0.06345	0.17105
0.00331	-0.26718	4.48E-09	-0.12646	0.00621	-0.21787	2.01E-06	-0.07597	0.10106
2.15E-07	-0.1326	0.0041	-0.1453	0.00164	-0.21165	3.95E-06	-0.1346	0.00357
0.27479	-0.01557	0.73725	0.016485	0.72236	0.002618	0.955	-0.00261	0.95507
0.15001	-0.00881	0.84938	0.045677	0.32464	0.018102	0.69641	-0.01545	0.73907
0.20905	-0.12732	0.00586	0.08403	0.06964	0.027249	0.55694	-0.06795	0.14261
0.91847	-0.04753	0.30538	0.002336	0.95984	-0.01051	0.82086	-0.06579	0.15579
0.06837	-0.06086	0.18923	0.06914	0.13572	0.04016	0.38656	-0.04881	0.2925
0.12044	-0.23293	3.58E-07	-0.1422	0.00207	-0.20939	5.03E-06	0.004478	0.92311
0.2246	0.005154	0.91155	0.108407	0.01911	0.075021	0.10542	-0.00884	0.84885
6.71E-09	-0.27202	2.29E-09	-0.36683	2.54E-16	-0.36164	7.09E-16	-0.15088	0.00107
0.81065	0.019472	0.67469	0.02797	0.54655	0.012655	0.78503	-0.01973	0.67069
0.02011	-0.02174	0.63937	0.049646	0.28433	0.045658	0.32484	0.025258	0.58613
0.14881	-0.0835	0.07143	-0.04449	0.33737	-0.0026	0.95529	-9.64E-05	0.99834
0.01468	-0.21883	1.80E-06	0.00055	0.99054	-0.00847	0.85511	0.11948	0.00976
0.50367	0.061987	0.18114	0.026216	0.572	0.034506	0.45694	-0.26092	1.05E-08
0.03488	0.063625	0.16986	0.098856	0.0327	0.095498	0.03912	-0.08345	0.0716
0.33797	-0.0307	0.50804	0.025095	0.58854	-0.02038	0.66052	-0.1336	0.00382
0.20256	-0.20754	6.12E-06	-0.08676	0.061	-0.12449	0.00707	-0.03007	0.51683
0.80112	-0.05466	0.23847	0.021064	0.64981	-0.00928	0.8414	-0.05092	0.27215
0.06823	-0.10551	0.02259	-0.12245	0.00807	-0.12678	0.00608	-0.13255	0.00411
0.00039	-0.20728	6.29E-06	-0.1458	0.00158	-0.20488	8.08E-06	-0.16438	0.00036
0.28276	-0.11234	0.01514	-0.04182	0.36718	-0.08277	0.07395	-0.0604	0.1926
0.14353	-0.11259	0.01492	0.012706	0.7842	0.001543	0.97347	0.031681	0.49463
0.00851	0.04828	0.29781	0.1547	0.0008	0.120309	0.00926	0.047911	0.30152
0.82764	-0.11108	0.01633	-0.06216	0.17993	-0.06298	0.17426	-0.09649	0.03713

0.1676	-0.02182	0.63814	-0.01699	0.71429	0.019329	0.67695	0.043147	0.35219
0.29026	-0.10333	0.02555	0.008532	0.85411	-0.00215	0.96296	-0.05775	0.21285
0.29339	-0.06016	0.19434	-0.03797	0.41294	-0.06451	0.16401	-0.09164	0.0478
0.42971	-0.0201	0.66478	0.033686	0.4677	0.020445	0.65944	-0.06642	0.15186
0.89443	0.029787	0.5208	0.018404	0.6916	0.023784	0.60818	-0.09944	0.03167
0.98188	0.014787	0.74995	-0.00244	0.95801	0.013258	0.77507	-0.09837	0.03357
0.09274	-0.12085	0.00895	-0.06706	0.14792	-0.01896	0.68279	-0.038	0.41265
0.07431	-0.04033	0.38457	0.080028	0.08407	0.052393	0.25849	-0.01334	0.77372
0.11733	-0.18783	4.42E-05	-0.10864	0.01885	-0.13506	0.00345	-0.08575	0.06411
0.97723	-0.00809	0.86163	0.031894	0.49173	0.013777	0.7665	-0.07038	0.12882
0.55389	-0.0974	0.03537	0.041796	0.36748	-0.01041	0.82242	0.008474	0.85508
0.0687	0.071746	0.12155	0.097057	0.03602	0.073802	0.11121	0.108052	0.01951
1.08E-05	0.125053	0.00681	0.152446	0.00095	0.17063	0.00021	-0.18506	5.74E-05
0.56606	-0.02233	0.63024	0.026516	0.5676	-0.0093	0.84107	-0.04979	0.28292
4.47E-06	-0.05164	0.26544	0.112863	0.01468	0.12032	0.00925	0.085028	0.06638
0.04567	0.015479	0.73866	0.093101	0.04433	0.081679	0.07785	0.044203	0.34052
0.26277	-0.02134	0.64555	0.030689	0.50825	0.003755	0.9355	-0.01549	0.73854
0.15407	-0.16803	0.00027	0.034751	0.45375	0.009666	0.83497	-0.02584	0.57749
0.76873	-0.13308	0.00396	-0.05578	0.22894	-0.05967	0.19805	-0.21547	2.61E-06
0.6097	-0.06416	0.1663	-0.00387	0.93353	-0.04289	0.35507	-0.04442	0.33811
0.45542	-0.08415	0.06923	-0.05759	0.21412	-0.06677	0.14966	-0.09538	0.03936
0.03113	0.235086	2.76E-07	0.429663	2.11E-22	0.297618	5.25E-11	-0.16551	0.00033
0.15698	0.054874	0.23659	-0.12327	0.00766	0.037605	0.4175	0.206778	6.63E-06
7.93E-20	0.057086	0.2182	-0.03679	0.42772	-0.19452	2.31E-05	-0.30246	2.46E-11
9.39E-10	0.246198	7.07E-08	0.549826	3.00E-38	0.442502	8.21E-24	-0.11887	0.01014
0.06796	0.138485	0.00271	0.150322	0.00112	0.052925	0.25368	0.003146	0.94594
0.9962	-0.08321	0.07243	-0.0278	0.54897	-0.06227	0.17915	0.088358	0.05638
0.61679	-0.0137	0.76775	0.022373	0.62963	0.021264	0.64671	-0.19798	1.64E-05
0.32617	-0.0191	0.68054	0.100487	0.02991	0.0032	0.94501	-0.19174	3.03E-05
3.22E-05	-0.05564	0.23014	-0.13825	0.00275	0.034175	0.46127	0.327505	3.88E-13
0.01057	0.097046	0.03604	0.286846	2.69E-10	0.07861	0.08972	-0.25409	2.58E-08
3.28E-08	0.451922	6.95E-25	0.54602	1.21E-37	0.435667	4.70E-23	-0.06868	0.13838
0.6239	0.002849	0.95104	0.131728	0.00435	0.017901	0.69962	-0.19671	1.86E-05
6.53E-18	0.083436	0.07164	0.003979	0.93165	0.170062	0.00022	0.252353	3.23E-08
0.15821	0.181479	8.01E-05	0.338635	5.41E-14	0.157189	0.00065	-0.10534	0.02281
0.492	0.200112	1.32E-05	0.19976	1.37E-05	0.107941	0.01964	-0.1566	0.00068
1.08E-14	0.066715	0.15002	0.210449	4.49E-06	0.152146	0.00097	-0.17588	0.00013
0.05931	0.240196	1.49E-07	0.210937	4.27E-06	0.111097	0.01631	-0.15317	0.0009
1.61E-06	0.30065	3.27E-11	0.113804	0.01387	0.199885	1.35E-05	0.043157	0.35207
0.11401	0.373698	6.34E-17	0.14773	0.00137	0.193361	2.59E-05	-0.17049	0.00021
0.46089	0.386342	4.50E-18	0.296679	6.07E-11	0.245323	7.89E-08	-0.15726	0.00065
1.33E-07	0.483295	1.05E-28	0.351301	5.20E-15	0.434498	6.31E-23	0.019627	0.67226
0.19072	0.112676	0.01484	0.078799	0.08895	0.054141	0.24292	-0.13219	0.00422
0.9345	0.273777	1.79E-09	0.443996	5.58E-24	0.248641	5.19E-08	0.010238	0.82535
6.25E-09	0.066442	0.1517	-0.01337	0.77324	-0.1007	0.02957	-0.13836	0.00273

4.18E-08	0.287956	2.28E-10	0.319969	1.41E-12	0.302413	2.48E-11	-0.12122	0.00874
2.39E-06	0.12251	0.00804	0.334948	1.05E-13	0.263816	7.09E-09	-0.22165	1.32E-06
0.82843	0.081544	0.07834	-0.21884	1.80E-06	-0.07006	0.13057	0.288817	2.01E-10
8.05E-10	0.227605	6.67E-07	0.3976	3.88E-19	0.353504	3.42E-15	-0.03028	0.51387
5.75E-06	0.192353	2.85E-05	0.412101	1.43E-20	0.093946	0.04243	-0.03159	0.49586
0.01096	0.105364	0.02278	0.319988	1.40E-12	0.103779	0.02491	-0.15653	0.00069
0.33406	0.18686	4.84E-05	0.460812	6.29E-26	0.200385	1.28E-05	-0.22554	8.46E-07
0.20649	-0.1079	0.01969	-0.15706	0.00066	-0.08262	0.07447	0.242656	1.10E-07
0.05202	-0.27336	1.90E-09	-0.41422	8.70E-21	-0.30235	2.50E-11	0.042751	0.35663
0.4608	0.376724	3.40E-17	0.314	3.82E-12	0.191748	3.03E-05	-0.16829	0.00026
0.04695	0.350689	5.84E-15	0.561906	3.20E-40	0.396324	5.14E-19	-0.15828	0.0006
2.72E-18	0.323131	8.24E-13	0.482442	1.35E-28	0.45763	1.50E-25	-0.02143	0.64407
0.92244	0.035088	0.44937	-0.23626	2.40E-07	-0.06552	0.1575	-0.03035	0.51288
3.70E-19	0.00437	0.92496	-0.12229	0.00815	0.129398	0.0051	0.125326	0.00669
1.82E-07	0.389336	2.37E-18	0.329081	2.95E-13	0.329261	2.86E-13	0.057573	0.21429
0.05525	0.180534	8.74E-05	0.318478	1.81E-12	0.128148	0.00555	-0.01225	0.79176
0.71025	0.044965	0.33225	0.098672	0.03302	0.050496	0.27615	-0.42265	1.17E-21
1.15E-05	0.174319	0.00015	-0.0838	0.0704	0.131204	0.00451	0.254901	2.32E-08
3.00E-22	0.335526	9.45E-14	0.597697	1.45E-46	0.565555	7.83E-41	-0.02231	0.63062
1.05E-09	0.143885	0.00183	0.347391	1.08E-14	0.350878	5.63E-15	-0.11489	0.01298
0.00023	-0.06362	0.1699	0.24733	6.13E-08	0.173219	0.00017	-0.3018	2.73E-11
0.00478	-0.00035	0.99391	0.148001	0.00134	0.007752	0.8673	-0.06787	0.14305
4.00E-05	0.35842	1.33E-15	0.519797	1.11E-33	0.406886	4.77E-20	0.028316	0.54159
0.40325	0.265117	5.94E-09	0.228077	6.31E-07	0.169029	0.00024	-0.15657	0.00069
0.11115	0.214394	2.94E-06	0.163438	0.00039	0.117551	0.01101	-0.09298	0.04462
0.29661	0.228443	6.05E-07	0.395874	5.68E-19	0.219319	1.71E-06	-0.20576	7.38E-06
0.15537	0.325546	5.45E-13	0.406362	5.38E-20	0.301145	3.03E-11	-0.01487	0.74859
0.00049	0.603072	1.37E-47	0.49467	3.42E-30	0.455162	2.92E-25	-0.05408	0.24344
6.02E-05	0.399454	2.57E-19	0.466433	1.33E-26	0.404064	9.08E-20	-0.0806	0.08187
0.47596	0.234488	2.97E-07	0.483911	8.73E-29	0.26407	6.85E-09	-0.18547	5.52E-05
7.34E-05	0.115902	0.0122	0.09699	0.03615	-0.02303	0.61953	-0.25027	4.22E-08
0.01552	-0.05172	0.26466	0.023603	0.61091	-0.09991	0.03088	-0.177	0.00012
1.32E-09	0.550333	2.49E-38	0.578799	4.06E-43	0.572942	4.28E-42	0.011124	0.81052
2.15E-13	0.321012	1.18E-12	0.467555	9.71E-27	0.461455	5.27E-26	-0.00832	0.85771
0.00256	0.385719	5.15E-18	0.502127	3.38E-31	0.398973	2.86E-19	-0.03821	0.41006
0.00013	-0.0218	0.63849	0.14574	0.00159	-0.05308	0.25227	-0.32166	1.06E-12
3.30E-08	-0.14132	0.00221	0.121354	0.00866	-0.1529	0.00092	-0.29827	4.74E-11
0.71557	0.240848	1.37E-07	0.458748	1.11E-25	0.264114	6.81E-09	0.030919	0.50507
0.21444	0.205068	7.92E-06	0.334926	1.05E-13	0.179516	9.59E-05	-0.17574	0.00013
0.02637	0.292843	1.09E-10	0.395146	6.67E-19	0.296911	5.86E-11	-0.06278	0.17562
0.27973	0.122366	0.00812	0.512627	1.18E-32	0.207297	6.28E-06	-0.20234	1.05E-05
0.01192	0.183504	6.64E-05	0.306589	1.28E-11	0.078391	0.09062	-0.20999	4.72E-06
0.0941	0.44123	1.14E-23	0.500113	6.35E-31	0.371262	1.04E-16	-0.1664	0.0003
0.06016	0.345691	1.49E-14	0.586917	1.43E-44	0.376578	3.51E-17	-0.122	0.00831
9.37E-29	0.58652	1.69E-44	0.632311	1.65E-53	0.717282	5.65E-75	0.15893	0.00057



1.61E-06	0.499665	7.30E-31	0.546481	1.02E-37	0.469785	5.18E-27	-0.01689	0.71578
0.01852	0.438061	2.56E-23	0.269412	3.29E-09	0.273852	1.77E-09	-0.00871	0.85117
1.25E-06	0.092507	0.04571	0.337068	7.17E-14	0.182485	7.30E-05	-0.18893	3.97E-05
0.29633	0.130021	0.00489	0.348212	9.29E-15	0.159614	0.00054	-0.17329	0.00017
0.01906	0.316817	2.39E-12	0.540514	8.78E-37	0.354563	2.80E-15	-0.19402	2.42E-05
0.0913	0.276319	1.25E-09	0.39635	5.11E-19	0.206508	6.82E-06	-0.17446	0.00015
1.83E-05	0.460527	6.80E-26	0.700815	3.20E-70	0.501982	3.54E-31	-0.0913	0.04862
0.06102	0.015945	0.7311	0.419132	2.72E-21	0.201096	1.19E-05	-0.1495	0.00119
1.80E-09	0.658817	1.87E-59	0.65393	2.58E-58	0.568088	2.91E-41	-0.006	0.89711
0.83928	0.107554	0.02008	0.515981	3.93E-33	0.234898	2.83E-07	-0.20028	1.30E-05
0.92792	0.074329	0.10868	0.246442	6.86E-08	0.085861	0.06375	-0.20901	5.24E-06
0.75856	0.419569	2.45E-21	0.510191	2.59E-32	0.330465	2.32E-13	-0.13679	0.00306
1.68E-06	0.249396	4.72E-08	0.492644	6.35E-30	0.397708	3.79E-19	-0.07549	0.10324
0.00027	0.284878	3.61E-10	0.48806	2.54E-29	0.332317	1.67E-13	-0.12334	0.00762
0.0006	0.313861	3.91E-12	0.61858	1.19E-50	0.433477	8.15E-23	-0.13186	0.00431
0.00281	-0.06614	0.15358	0.338891	5.16E-14	0.017383	0.7079	-0.22368	1.05E-06
0.01909	0.224015	1.01E-06	0.333105	1.45E-13	0.142075	0.00209	-0.22963	5.27E-07
0.05804	0.10608	0.02186	0.308009	1.01E-11	0.139557	0.00251	-0.10978	0.01764
0.00709	0.031132	0.50214	0.193261	2.61E-05	0.017448	0.70686	-0.31061	6.66E-12
0.00375	0.05764	0.21375	0.351145	5.35E-15	0.076193	0.10007	-0.19645	1.91E-05
0.50435	-0.07723	0.09551	0.130913	0.0046	-0.02625	0.57143	-0.13585	0.00327
0.00137	0.514507	6.38E-33	0.35831	1.36E-15	0.343238	2.34E-14	-0.01407	0.76167
5.44E-07	0.037418	0.41982	0.285542	3.27E-10	-0.00099	0.98299	-0.27504	1.50E-09
1.12E-11	0.499165	8.53E-31	0.366963	2.47E-16	0.436966	3.38E-23	0.116946	0.01143
2.04E-10	0.56323	1.92E-40	0.535484	5.21E-36	0.540577	8.59E-37	-0.01628	0.72568
3.58E-16	0.55188	1.41E-38	0.624166	8.50E-52	0.612708	1.80E-49	0.005414	0.9071
1.55E-05	0.212749	3.51E-06	0.581211	1.52E-43	0.360225	9.36E-16	-0.10742	0.02024
5.27E-09	0.497832	1.29E-30	0.545802	1.31E-37	0.542986	3.62E-37	-0.06162	0.18371
0.01029	0.131606	0.00439	0.212973	3.43E-06	0.163506	0.00039	-0.13156	0.0044
0.12818	0.211249	4.13E-06	0.295985	6.76E-11	0.156318	0.0007	-0.23591	2.50E-07
4.07E-07	0.498852	9.40E-31	0.450728	9.55E-25	0.452732	5.60E-25	-0.00615	0.89448
0.47391	0.098034	0.03418	0.325929	5.10E-13	0.125743	0.00651	-0.24825	5.46E-08
0.81377	0.228315	6.14E-07	0.459199	9.78E-26	0.240251	1.48E-07	-0.18415	6.25E-05
1.75E-08	0.278267	9.44E-10	0.409065	2.89E-20	0.379806	1.79E-17	-0.04131	0.37307
1.22E-13	0.398539	3.15E-19	0.703714	4.92E-71	0.570014	1.37E-41	0.002984	0.94872
3.07E-20	0.601181	3.16E-47	0.475923	9.00E-28	0.617774	1.73E-50	0.131088	0.00455
0.31845	0.044647	0.33569	0.458934	1.05E-25	0.175511	0.00014	-0.21453	2.89E-06
0.00082	0.063883	0.16813	0.221989	1.27E-06	0.01945	0.67505	-0.27638	1.24E-09
0.51574	0.100275	0.03026	0.419628	2.42E-21	0.17687	0.00012	-0.17685	0.00012
1.26E-06	-0.02912	0.53023	0.275332	1.44E-09	-0.0218	0.63836	-0.23872	1.78E-07
3.41E-11	0.368321	1.88E-16	0.562909	2.18E-40	0.500754	5.20E-31	0.092681	0.04531
0.20893	-0.00231	0.96033	0.288488	2.11E-10	0.058622	0.20604	-0.21988	1.61E-06
0.07731	0.056338	0.2243	0.291447	1.35E-10	0.157083	0.00066	-0.15345	0.00088
7.94E-16	0.687334	1.45E-66	0.482369	1.38E-28	0.56892	2.10E-41	0.103972	0.02465
9.63E-05	0.262556	8.41E-09	0.42303	1.07E-21	0.313061	4.46E-12	-0.10173	0.02794

2.37E-09	0.402608	1.26E-19	0.427059	4.00E-22	0.426058	5.11E-22	-0.0843	0.06873
9.71E-08	-0.03605	0.43699	0.137509	0.0029	-0.11363	0.01401	-0.31288	4.59E-12
0.75282	0.345661	1.49E-14	0.314548	3.49E-12	0.217578	2.07E-06	-0.13591	0.00325
8.68E-15	0.472174	2.63E-27	0.367169	2.37E-16	0.487013	3.47E-29	-0.03577	0.4406
0.43019	0.236146	2.43E-07	0.321298	1.13E-12	0.193135	2.64E-05	-0.12238	0.00811
0.06295	0.002501	0.95701	0.381255	1.32E-17	0.099895	0.0309	-0.1306	0.0047
0.08709	0.278028	9.77E-10	0.400759	1.92E-19	0.269047	3.47E-09	-0.18198	7.65E-05
2.28E-07	0.52994	3.58E-35	0.583914	4.98E-44	0.520667	8.32E-34	-0.03927	0.39718
1.24E-14	0.491894	7.97E-30	0.599362	7.02E-47	0.538902	1.56E-36	0.025919	0.57636
0.01183	0.311423	5.83E-12	0.372748	7.69E-17	0.291293	1.38E-10	-0.01267	0.78476
9.13E-13	0.120409	0.0092	-0.02102	0.65041	0.179087	9.97E-05	0.354161	3.02E-15
2.38E-08	0.360586	8.72E-16	0.081183	0.07967	0.260233	1.15E-08	0.368681	1.75E-16
0.00422	0.181202	8.22E-05	0.081803	0.0774	0.063815	0.16859	-0.13262	0.00409
0.37426	0.290706	1.51E-10	0.432477	1.05E-22	0.255184	2.24E-08	-0.17213	0.00019
0.0519	0.151601	0.00101	0.000181	0.99688	-0.01644	0.72315	-0.14963	0.00118
6.78E-10	0.185469	5.52E-05	-0.06998	0.13103	0.149051	0.00124	0.424571	7.34E-22
0.97835	0.246053	7.20E-08	0.305323	1.56E-11	0.139036	0.0026	-0.23169	4.14E-07
6.60E-20	0.033744	0.46694	0.023799	0.60796	-0.15452	0.00081	-0.12029	0.00927
4.10E-28	0.503531	2.17E-31	0.601445	2.82E-47	0.647215	8.83E-57	0.051163	0.26986
0.05377	0.333157	1.44E-13	0.574462	2.34E-42	0.378092	2.56E-17	-0.03626	0.43437
8.00E-07	0.101869	0.02772	0.351144	5.36E-15	0.263318	7.59E-09	0.054327	0.24131
0.03041	0.446492	2.91E-24	0.481071	2.01E-28	0.35862	1.28E-15	-0.00522	0.91034
0.62613	0.195272	2.14E-05	0.359452	1.09E-15	0.16594	0.00032	-0.16639	0.0003
1.46E-27	0.447029	2.53E-24	0.491044	1.03E-29	0.573182	3.89E-42	0.120223	0.00931
3.67E-06	0.077008	0.09648	0.340357	3.96E-14	0.220918	1.43E-06	-0.08883	0.05507
1.27E-45	0.121422	0.00862	0.346596	1.26E-14	0.398103	3.47E-19	0.309849	7.53E-12
6.83E-75	0.493221	5.32E-30	0.586409	1.77E-44	0.64244	1.03E-55	0.262787	8.15E-09
6.85E-66	0.308528	9.33E-12	0.531532	2.07E-35	0.630388	4.22E-53	0.361591	7.16E-16
1.84E-44	0.24226	1.16E-07	0.353914	3.16E-15	0.455024	3.03E-25	0.076051	0.1007
9.69E-40	0.190192	3.52E-05	0.129447	0.00508	0.276055	1.30E-09	0.430513	1.71E-22
2.89E-62	0.612621	1.87E-49	0.65818	2.64E-59	0.76004	4.50E-89	0.316509	2.52E-12
#####	0.500363	5.87E-31	0.585653	2.42E-44	0.723126	9.60E-77	0.234239	3.06E-07
1.07E-67	0.410423	2.11E-20	0.533124	1.19E-35	0.55226	1.22E-38	0.079604	0.08573
1.62E-27	-0.16241	0.00043	-0.41004	2.31E-20	-0.44559	3.69E-24	-0.19538	2.12E-05
3.69E-67	0.495273	2.84E-30	0.370702	1.17E-16	0.569585	1.62E-41	0.412546	1.29E-20
3.57E-76	0.49427	3.86E-30	0.635638	3.18E-54	0.62336	1.25E-51	0.285954	3.08E-10
3.00E-92	0.395772	5.81E-19	0.299956	3.65E-11	0.503647	2.09E-31	0.224967	9.03E-07
#####	0.433866	7.39E-23	0.480927	2.10E-28	0.625894	3.72E-52	0.25926	1.31E-08
#####	0.434092	6.98E-23	0.529362	4.37E-35	0.612702	1.80E-49	0.138675	0.00267
1.94E-80	0.421832	1.42E-21	0.477413	5.85E-28	0.587593	1.08E-44	0.322067	9.88E-13
9.61E-32	0.316075	2.71E-12	0.319089	1.63E-12	0.451365	8.06E-25	0.237948	1.96E-07
3.44E-63	0.272165	2.24E-09	0.535718	4.80E-36	0.609598	7.41E-49	0.360491	8.88E-16
1.52E-35	0.234223	3.06E-07	0.467956	8.67E-27	0.452063	6.69E-25	0.244628	8.61E-08
2.20E-41	0.399269	2.67E-19	0.491949	7.84E-30	0.533271	1.13E-35	0.108691	0.0188
3.19E-30	0.324883	6.10E-13	0.20408	8.78E-06	0.375389	4.48E-17	0.469093	6.30E-27

#####	0.660882	6.05E-60	0.763511	2.39E-90	0.836827	#####	0.310009	7.34E-12
0.00405	0.231816	4.08E-07	0.232565	3.73E-07	0.184377	6.12E-05	-0.09086	0.04972
2.91E-29	0.265485	5.65E-09	0.25425	2.53E-08	0.387769	3.32E-18	0.138353	0.00273
8.26E-96	0.526381	1.21E-34	0.678348	3.07E-64	0.726239	1.05E-77	0.361211	7.72E-16
1.80E-34	0.303257	2.17E-11	0.402406	1.32E-19	0.424864	6.83E-22	0.079507	0.08611
#####	0.466905	1.16E-26	0.408032	3.67E-20	0.594444	5.90E-46	0.267752	4.14E-09
3.11E-39	0.524554	2.25E-34	0.412162	1.41E-20	0.589652	4.53E-45	0.27301	1.99E-09
1.34E-21	0.174267	0.00015	0.274519	1.61E-09	0.312036	5.27E-12	0.292582	1.14E-10
2.41E-59	0.354139	3.03E-15	0.171729	0.00019	0.408855	3.04E-20	0.332459	1.63E-13
1.35E-37	0.405985	5.87E-20	0.418736	2.99E-21	0.551106	1.87E-38	0.190155	3.53E-05
#####	0.512729	1.14E-32	0.614196	9.08E-50	0.702947	8.10E-71	0.3041	1.90E-11
2.87E-89	0.301437	2.89E-11	0.278639	8.95E-10	0.457385	1.60E-25	0.197801	1.66E-05
6.86E-38	0.219862	1.61E-06	0.380534	1.54E-17	0.469822	5.13E-27	0.079309	0.0869
3.84E-66	0.503517	2.18E-31	0.565089	9.38E-41	0.697462	2.71E-69	0.273921	1.75E-09
6.74E-44	0.460856	6.22E-26	0.20694	6.52E-06	0.444415	5.01E-24	0.223407	1.08E-06
9.05E-29	0.29192	1.26E-10	0.143335	0.0019	0.324064	7.03E-13	0.268637	3.67E-09
5.49E-33	0.166465	0.0003	0.251859	3.44E-08	0.312782	4.66E-12	0.286351	2.90E-10
1.13E-50	0.359712	1.03E-15	0.418938	2.85E-21	0.570131	1.31E-41	0.266966	4.62E-09
2.41E-65	0.284995	3.55E-10	0.267842	4.09E-09	0.383963	7.47E-18	0.080967	0.08048
1.89E-71	0.342717	2.57E-14	0.39117	1.59E-18	0.484644	7.03E-29	0.058845	0.20432
2.39E-41	0.409286	2.75E-20	0.37023	1.28E-16	0.541145	7.01E-37	0.263263	7.64E-09
1.39E-46	0.344556	1.83E-14	0.415181	6.94E-21	0.553554	7.54E-39	0.238507	1.83E-07
#####	0.563878	1.50E-40	0.617269	2.19E-50	0.725966	1.28E-77	0.445611	3.67E-24
6.13E-54	0.283181	4.63E-10	0.169835	0.00023	0.338392	5.65E-14	0.499492	7.71E-31
4.56E-35	0.326539	4.59E-13	0.199503	1.40E-05	0.372911	7.44E-17	0.238859	1.75E-07
2.29E-30	0.390123	2.00E-18	0.46012	7.61E-26	0.500654	5.36E-31	0.163916	0.00038
6.73E-33	0.070227	0.12967	0.160586	0.00049	0.293051	1.06E-10	0.163616	0.00038
1.72E-72	0.512192	1.36E-32	0.575057	1.84E-42	0.703428	5.93E-71	0.180461	8.80E-05
1.10E-45	0.282232	5.32E-10	0.194964	2.21E-05	0.364036	4.43E-16	0.330446	2.32E-13
2.67E-65	0.497142	1.60E-30	0.485984	4.72E-29	0.685317	4.90E-66	0.420505	1.96E-21
3.48E-59	0.491529	8.91E-30	0.556609	2.40E-39	0.635166	4.02E-54	0.232139	3.92E-07
9.15E-52	0.35253	4.12E-15	0.706245	9.42E-72	0.670049	3.67E-62	0.317803	2.03E-12
5.35E-96	0.510906	2.06E-32	0.547577	6.85E-38	0.645518	2.13E-56	0.41086	1.91E-20
9.63E-47	0.417114	4.40E-21	0.528144	6.63E-35	0.628616	1.00E-52	0.131355	0.00446
#####	0.360829	8.32E-16	0.40218	1.39E-19	0.557053	2.03E-39	0.269024	3.48E-09
#####	0.543343	3.18E-37	0.581393	1.41E-43	0.706379	8.63E-72	0.38231	1.06E-17
1.24E-69	0.507966	5.30E-32	0.547861	6.18E-38	0.665221	5.53E-61	0.36639	2.77E-16
1.08E-28	0.01931	0.67725	0.190671	3.36E-05	0.285596	3.24E-10	0.202796	1.00E-05
1.91E-51	0.412847	1.20E-20	0.472022	2.75E-27	0.540111	1.01E-36	0.593957	7.27E-46
1.43E-33	0.288501	2.11E-10	0.345312	1.59E-14	0.416349	5.27E-21	0.112342	0.01514
3.30E-97	0.256585	1.86E-08	0.225377	8.62E-07	0.429373	2.26E-22	0.337036	7.21E-14
8.84E-49	0.459631	8.69E-26	0.425312	6.13E-22	0.583868	5.08E-44	0.158766	0.00057
#####	0.54895	4.14E-38	0.590808	2.78E-45	0.70733	4.62E-72	0.251302	3.70E-08
5.02E-47	0.207838	5.93E-06	0.31085	6.40E-12	0.44318	6.89E-24	0.304167	1.88E-11
4.30E-50	0.417546	3.97E-21	0.377099	3.15E-17	0.551058	1.90E-38	0.333601	1.33E-13

1.22E-66	0.392288	1.25E-18	0.503307	2.33E-31	0.593163	1.02E-45	0.428706	2.67E-22
2.58E-18	-0.08285	0.07367	-0.05497	0.23577	0.069052	0.13623	0.324651	6.35E-13
#####	0.518845	1.53E-33	0.554886	4.58E-39	0.712106	1.91E-73	0.469694	5.32E-27
1.85E-23	0.170315	0.00022	0.326255	4.82E-13	0.347266	1.11E-14	0.062231	0.17942
9.18E-61	0.297702	5.18E-11	0.55795	1.45E-39	0.610712	4.47E-49	0.234651	2.91E-07
9.57E-42	0.386132	4.71E-18	0.273931	1.75E-09	0.407337	4.30E-20	0.487789	2.75E-29
3.26E-63	0.267363	4.37E-09	0.286176	2.98E-10	0.404709	7.85E-20	0.029891	0.51934
6.93E-19	0.145162	0.00166	0.324966	6.02E-13	0.284563	3.78E-10	-0.07821	0.09137
1.15E-32	0.190404	3.45E-05	0.00565	0.90309	0.207457	6.17E-06	0.220781	1.45E-06
1.19E-25	0.037651	0.41694	0.112679	0.01484	0.158263	0.0006	0.110358	0.01704
#####	0.505012	1.36E-31	0.578725	4.18E-43	0.692137	7.60E-68	0.505095	1.32E-31
3.40E-21	0.390574	1.81E-18	0.170035	0.00022	0.327332	4.00E-13	0.227006	7.15E-07
5.86E-56	0.492626	6.38E-30	0.42414	8.15E-22	0.60214	2.07E-47	0.299576	3.87E-11
1.43E-65	0.627223	1.96E-52	0.587211	1.26E-44	0.64584	1.80E-56	0.163223	0.0004
2.38E-34	0.359481	1.08E-15	0.335499	9.50E-14	0.463467	3.03E-26	0.27124	2.56E-09
4.35E-52	0.196594	1.88E-05	0.158058	0.00061	0.373653	6.40E-17	0.278331	9.36E-10
7.79E-49	0.210496	4.47E-06	0.17506	0.00014	0.303826	1.98E-11	0.034335	0.45917
1.05E-28	0.131263	0.00449	0.067396	0.14589	0.165247	0.00034	-0.05928	0.201
1.93E-31	-0.01993	0.66749	0.083877	0.07015	0.130425	0.00476	-0.03709	0.42397
2.09E-53	-0.03386	0.46545	0.15349	0.00088	0.221222	1.38E-06	0.20518	7.83E-06
1.13E-21	0.5225	4.50E-34	0.573632	3.25E-42	0.624339	7.83E-52	0.110714	0.01669
7.10E-33	0.53264	1.41E-35	0.51711	2.71E-33	0.613475	1.27E-49	0.302117	2.60E-11
1.91E-65	0.718895	1.85E-75	0.672246	1.05E-62	0.837847	#####	0.355586	2.30E-15
1.45E-19	0.422194	1.30E-21	0.493564	4.80E-30	0.523867	2.84E-34	0.208494	5.53E-06
1.00E-50	0.670683	2.56E-62	0.719275	1.42E-75	0.816649	#####	0.319031	1.65E-12
3.28E-51	0.449767	1.23E-24	0.438266	2.43E-23	0.620466	4.91E-51	0.262394	8.60E-09
6.85E-17	0.453857	4.15E-25	0.383716	7.87E-18	0.472906	2.14E-27	0.28989	1.71E-10
8.07E-13	0.38264	9.89E-18	0.539852	1.11E-36	0.525171	1.83E-34	0.126072	0.00637
1.56E-39	0.485558	5.36E-29	0.730573	4.57E-79	0.687745	1.13E-66	0.282194	5.35E-10
3.33E-41	0.625274	5.00E-52	0.668453	9.05E-62	0.713601	6.97E-74	0.212703	3.53E-06
2.85E-47	0.518347	1.80E-33	0.546127	1.16E-37	0.621286	3.33E-51	0.091929	0.04709
2.05E-27	0.41395	9.28E-21	0.268885	3.54E-09	0.480209	2.59E-28	0.238508	1.83E-07
1.64E-56	0.589786	4.28E-45	0.760101	4.27E-89	0.790836	#####	0.302533	2.43E-11
8.03E-30	0.54197	5.22E-37	0.43428	6.66E-23	0.575021	1.87E-42	0.342498	2.68E-14
8.60E-45	0.508634	4.28E-32	0.393461	9.66E-19	0.612593	1.90E-49	0.296365	6.37E-11
3.92E-50	0.534563	7.19E-36	0.605015	5.80E-48	0.730548	4.66E-79	0.199675	1.38E-05
6.24E-36	0.590042	3.84E-45	0.663306	1.60E-60	0.701294	2.35E-70	0.131589	0.00439
1.04E-18	0.641474	1.69E-55	0.587468	1.14E-44	0.595963	3.07E-46	0.176474	0.00013
2.15E-18	0.492958	5.77E-30	0.56543	8.22E-41	0.569222	1.87E-41	0.134235	0.00366
2.01E-45	0.619002	9.76E-51	0.669142	6.13E-62	0.740361	3.07E-82	0.426759	4.30E-22
4.08E-56	0.518792	1.55E-33	0.637074	1.55E-54	0.720438	6.34E-76	0.159366	0.00055
4.83E-38	0.511232	1.85E-32	0.576726	9.40E-43	0.663411	1.51E-60	0.243829	9.51E-08
1.13E-21	0.37874	2.24E-17	0.600343	4.57E-47	0.576005	1.26E-42	0.200327	1.29E-05
2.65E-62	0.363546	4.88E-16	0.567943	3.09E-41	0.706446	8.26E-72	0.233766	3.24E-07
1.55E-40	0.569242	1.85E-41	0.691057	1.48E-67	0.719802	9.87E-76	0.311276	5.97E-12

6.52E-55	0.62676	2.45E-52	0.711593	2.70E-73	0.778079	6.04E-96	0.277484	1.06E-09
1.59E-32	0.40632	5.43E-20	0.477158	6.30E-28	0.584626	3.71E-44	0.058769	0.2049
2.03E-37	0.551597	1.56E-38	0.690562	2.01E-67	0.735933	8.72E-81	0.186578	4.97E-05
4.49E-52	0.347296	1.10E-14	0.624768	6.38E-52	0.689196	4.65E-67	0.270658	2.77E-09
1.84E-38	0.295912	6.83E-11	0.387907	3.22E-18	0.540272	9.57E-37	0.237009	2.19E-07
1.47E-40	0.550612	2.25E-38	0.626488	2.79E-52	0.676088	1.15E-63	0.300274	3.47E-11
7.25E-42	0.544806	1.88E-37	0.712643	1.33E-73	0.731088	3.14E-79	0.433073	9.01E-23
4.43E-30	0.441237	1.14E-23	0.59918	7.60E-47	0.630974	3.17E-53	0.17753	0.00011
4.17E-49	0.667495	1.55E-61	0.752243	2.74E-86	0.806321	#####	0.219667	1.64E-06
1.76E-57	0.335268	9.90E-14	0.509495	3.24E-32	0.588837	6.39E-45	0.237617	2.04E-07
4.83E-18	0.457794	1.43E-25	0.580052	2.44E-43	0.583453	6.03E-44	-0.01433	0.75745
1.59E-58	0.588431	7.58E-45	0.69956	7.14E-70	0.793788	#####	0.315134	3.16E-12
3.97E-14	0.436064	4.25E-23	0.528262	6.37E-35	0.568424	2.56E-41	0.15848	0.00059
5.10E-34	0.360154	9.49E-16	0.478007	4.92E-28	0.554062	6.24E-39	0.237506	2.07E-07
1.15E-52	0.535187	5.78E-36	0.581737	1.22E-43	0.702319	1.22E-70	0.260733	1.07E-08
2.15E-33	0.687504	1.30E-66	0.734485	2.57E-80	0.765363	4.89E-91	0.202938	9.88E-06
8.41E-65	0.518585	1.66E-33	0.628698	9.61E-53	0.770726	4.55E-93	0.272646	2.10E-09
1.12E-23	0.598121	1.20E-46	0.510502	2.34E-32	0.613875	1.05E-49	0.293615	9.72E-11
3.80E-44	0.577857	5.95E-43	0.67603	1.19E-63	0.725901	1.34E-77	0.342798	2.53E-14
2.16E-14	0.656229	7.55E-59	0.555962	3.06E-39	0.619147	9.12E-51	0.281888	5.59E-10
1.15E-39	0.707276	4.78E-72	0.724335	4.08E-77	0.760738	2.50E-89	0.149073	0.00123
7.53E-37	0.592008	1.67E-45	0.628754	9.35E-53	0.721159	3.83E-76	0.292487	1.15E-10
8.51E-30	0.357537	1.58E-15	0.653579	3.11E-58	0.622857	1.58E-51	0.116233	0.01195
1.00E-42	0.510121	2.65E-32	0.665247	5.45E-61	0.718435	2.55E-75	0.282425	5.17E-10
6.95E-22	0.328688	3.16E-13	0.657532	3.74E-59	0.55428	5.75E-39	0.275061	1.49E-09
4.54E-22	0.407393	4.25E-20	0.587362	1.19E-44	0.599522	6.54E-47	0.143961	0.00181
7.92E-28	0.6225	1.88E-51	0.539141	1.43E-36	0.625805	3.88E-52	0.20523	7.79E-06
2.25E-38	0.65167	8.57E-58	0.681245	5.58E-65	0.739159	7.67E-82	0.387663	3.39E-18
2.53E-46	0.634934	4.51E-54	0.700083	5.12E-70	0.750179	1.44E-85	0.146191	0.00154
4.13E-61	0.646724	1.14E-56	0.52359	3.12E-34	0.743872	2.06E-83	0.267215	4.46E-09
6.31E-27	0.595521	3.71E-46	0.732708	9.56E-80	0.699018	1.01E-69	0.248521	5.27E-08
4.56E-47	0.678204	3.35E-64	0.806672	#####	0.844075	#####	0.173738	0.00016
9.77E-22	0.511009	1.99E-32	0.575488	1.55E-42	0.571862	6.58E-42	0.228971	5.69E-07
3.60E-63	0.471629	3.07E-27	0.700667	3.52E-70	0.775189	8.41E-95	0.305909	1.42E-11
1.08E-48	0.594337	6.18E-46	0.756998	5.65E-88	0.780488	6.52E-97	0.279689	7.69E-10
9.08E-56	0.754037	6.40E-87	0.748556	5.23E-85	0.854928	#####	0.299863	3.70E-11
6.27E-30	0.477348	5.96E-28	0.718344	2.71E-75	0.677755	4.35E-64	0.150524	0.0011
3.06E-27	0.537151	2.90E-36	0.610372	5.22E-49	0.63727	1.41E-54	0.285477	3.30E-10
9.18E-22	0.540614	8.47E-37	0.666188	3.22E-61	0.637633	1.17E-54	0.264307	6.64E-09
1.94E-16	0.394199	8.22E-19	0.543334	3.19E-37	0.524647	2.18E-34	0.050675	0.27446
1.31E-27	0.565266	8.76E-41	0.530659	2.79E-35	0.613158	1.46E-49	-0.02612	0.57336
1.96E-32	0.6789	2.22E-64	0.756389	9.33E-88	0.795943	#####	0.111907	0.01554
3.20E-35	0.540644	8.38E-37	0.788783	#####	0.736356	6.35E-81	0.163139	0.0004
5.36E-23	0.679574	1.50E-64	0.664429	8.58E-61	0.719204	1.50E-75	0.24918	4.85E-08
1.56E-55	0.656743	5.72E-59	0.710971	4.10E-73	0.792446	#####	0.244983	8.24E-08

2.72E-46	0.600252	4.75E-47	0.612612	1.88E-49	0.740798	2.20E-82	0.149512	0.00119
9.51E-42	0.611326	3.38E-49	0.706583	7.55E-72	0.750954	7.73E-86	0.142791	0.00198
2.62E-50	0.76941	1.45E-92	0.700548	3.80E-70	0.838745	#####	0.248273	5.44E-08
3.95E-49	0.543881	2.62E-37	0.538809	1.61E-36	0.663414	1.51E-60	0.272334	2.19E-09
2.50E-41	0.557236	1.89E-39	0.700814	3.20E-70	0.732983	7.80E-80	0.302502	2.44E-11
1.38E-57	0.622703	1.70E-51	0.751532	4.86E-86	0.829455	#####	0.397974	3.57E-19
1.56E-25	-0.55722	1.91E-39	-0.65534	1.21E-58	-0.67022	3.34E-62	-0.2252	8.79E-07
9.32E-27	0.463665	2.87E-26	0.569252	1.85E-41	0.559205	8.98E-40	0.296194	6.54E-11
4.83E-31	0.485291	5.80E-29	0.611007	3.91E-49	0.662287	2.80E-60	0.23437	3.01E-07
1.78E-46	0.577959	5.71E-43	0.728376	2.26E-78	0.795254	#####	0.232987	3.55E-07
8.04E-40	0.570237	1.25E-41	0.739417	6.31E-82	0.721704	2.61E-76	0.264443	6.51E-09
5.43E-32	0.524625	2.20E-34	0.628763	9.31E-53	0.690524	2.06E-67	0.295866	6.88E-11
1.32E-36	0.551794	1.45E-38	0.550927	2.00E-38	0.659604	1.22E-59	0.2051	7.90E-06
2.00E-47	0.620702	4.39E-51	0.650019	2.04E-57	0.760218	3.87E-89	0.24678	6.57E-08
1.15E-60	0.664349	8.97E-61	0.703807	4.63E-71	0.794177	#####	0.278175	9.57E-10
2.55E-30	0.520245	9.58E-34	0.508873	3.96E-32	0.607808	1.66E-48	0.244155	9.13E-08
1.64E-68	0.550261	2.56E-38	0.662407	2.62E-60	0.757432	3.94E-88	0.496907	1.72E-30
9.25E-55	0.603197	1.30E-47	0.622846	1.59E-51	0.76228	6.81E-90	0.446881	2.63E-24
3.72E-44	0.581054	1.62E-43	0.551614	1.55E-38	0.680067	1.12E-64	0.269924	3.07E-09
3.24E-48	0.614785	6.93E-50	0.795525	#####	0.81308	#####	0.147874	0.00135
5.65E-47	0.619288	8.53E-51	0.704605	2.76E-71	0.761724	1.09E-89	0.11675	0.01157
6.10E-32	0.329912	2.55E-13	0.439419	1.81E-23	0.536057	4.26E-36	0.215884	2.50E-06
8.90E-53	0.640374	2.95E-55	0.605399	4.89E-48	0.717163	6.13E-75	0.307312	1.14E-11
3.52E-37	0.637084	1.55E-54	0.678454	2.89E-64	0.74958	2.32E-85	0.133575	0.00383
9.82E-31	0.536832	3.24E-36	0.353647	3.33E-15	0.573593	3.30E-42	0.45022	1.09E-24
1.02E-29	0.474	1.56E-27	0.602451	1.81E-47	0.630655	3.71E-53	0.076009	0.10089
2.97E-39	0.707291	4.73E-72	0.552447	1.14E-38	0.675385	1.73E-63	0.388353	2.93E-18
3.62E-56	0.514032	7.45E-33	0.518325	1.81E-33	0.653575	3.12E-58	0.351555	4.95E-15
8.36E-73	0.553239	8.48E-39	0.603413	1.18E-47	0.780451	6.75E-97	0.29081	1.49E-10
2.86E-50	0.644507	3.58E-56	0.626622	2.62E-52	0.77188	1.64E-93	0.353827	3.22E-15
1.43E-81	0.620566	4.68E-51	0.766573	1.72E-91	0.851376	#####	0.186127	5.19E-05
2.01E-27	0.306069	1.39E-11	0.542646	4.09E-37	0.558085	1.37E-39	0.222135	1.25E-06
4.75E-41	0.695843	7.53E-69	0.738086	1.73E-81	0.781865	1.80E-97	0.228328	6.13E-07
2.63E-26	0.455792	2.46E-25	0.400054	2.24E-19	0.505866	1.04E-31	0.303892	1.96E-11
3.26E-46	0.723124	9.61E-77	0.693479	3.31E-68	0.773944	2.58E-94	0.231106	4.43E-07
1.92E-28	0.37642	3.62E-17	0.519429	1.26E-33	0.573376	3.60E-42	0.404549	8.14E-20
5.24E-59	0.606095	3.58E-48	0.52746	8.38E-35	0.712158	1.85E-73	0.152925	0.00092
2.74E-43	0.56812	2.88E-41	0.747515	1.19E-84	0.773171	5.17E-94	0.499872	6.85E-31
9.63E-64	0.620002	6.11E-51	0.696945	3.76E-69	0.798187	#####	0.497922	1.25E-30
1.22E-36	0.624068	8.91E-52	0.461098	5.82E-26	0.616877	2.63E-50	0.305068	1.63E-11
8.66E-29	0.415833	5.96E-21	0.424076	8.28E-22	0.507187	6.80E-32	0.407832	3.84E-20
1.04E-33	0.665818	3.96E-61	0.737302	3.12E-81	0.778191	5.45E-96	0.208155	5.73E-06
1.97E-25	0.51394	7.68E-33	0.597024	1.94E-46	0.606561	2.91E-48	0.113736	0.01392
3.07E-30	0.579804	2.70E-43	0.747552	1.16E-84	0.746009	3.89E-84	0.068178	0.14126
1.32E-43	0.51839	1.77E-33	0.568032	2.98E-41	0.688326	7.91E-67	0.030562	0.51

1.09E-35	0.660528	7.35E-60	0.711856	2.27E-73	0.764259	1.26E-90	0.21762	2.06E-06
6.06E-41	0.297395	5.44E-11	0.445129	4.16E-24	0.544616	2.01E-37	0.19686	1.83E-05
2.94E-69	0.587538	1.10E-44	0.494802	3.28E-30	0.742997	4.06E-83	0.232229	3.88E-07
2.72E-47	0.62791	1.41E-52	0.563094	2.03E-40	0.721454	3.11E-76	0.247768	5.80E-08
3.16E-35	0.476834	6.91E-28	0.664088	1.04E-60	0.715832	1.53E-74	0.209803	4.81E-06
5.02E-47	0.5649	1.01E-40	0.764112	1.43E-90	0.76537	4.86E-91	0.205961	7.22E-06
4.65E-23	0.646024	1.64E-56	0.590834	2.75E-45	0.638025	9.64E-55	0.229922	5.09E-07
7.20E-56	0.439015	2.01E-23	0.520761	8.06E-34	0.684855	6.47E-66	0.253465	2.80E-08
1.26E-49	0.649869	2.21E-57	0.680514	8.60E-65	0.790874	#####	0.193431	2.57E-05
2.39E-25	0.475163	1.12E-27	0.603443	1.17E-47	0.593764	7.89E-46	0.111382	0.01604
1.29E-52	0.569017	2.02E-41	0.576375	1.08E-42	0.7233	8.49E-77	0.325357	5.63E-13
1.78E-42	0.573562	3.35E-42	0.689971	2.89E-67	0.747936	8.55E-85	0.14949	0.0012
1.35E-29	0.622249	2.11E-51	0.720077	8.15E-76	0.713706	6.50E-74	0.319929	1.42E-12
2.59E-28	0.49243	6.77E-30	0.479712	3.00E-28	0.543153	3.41E-37	0.212102	3.76E-06
3.98E-45	0.452906	5.35E-25	0.616511	3.12E-50	0.676753	7.81E-64	0.403468	1.04E-19
2.37E-52	0.683361	1.58E-65	0.559543	7.90E-40	0.741662	1.13E-82	0.254629	2.40E-08
1.97E-52	0.58675	1.53E-44	0.553576	7.48E-39	0.719547	1.18E-75	0.343966	2.04E-14
2.49E-23	0.593568	8.58E-46	0.67519	1.93E-63	0.678752	2.43E-64	0.104285	0.02421
9.94E-16	0.446656	2.79E-24	0.564001	1.43E-40	0.546483	1.02E-37	0.161566	0.00046
1.92E-39	0.339528	4.60E-14	0.184576	6.01E-05	0.459201	9.78E-26	0.139709	0.00248
2.11E-23	0.402609	1.26E-19	0.44846	1.74E-24	0.511615	1.64E-32	0.164952	0.00034
3.23E-27	0.390931	1.68E-18	0.573914	2.91E-42	0.610597	4.71E-49	0.253832	2.67E-08
2.35E-35	0.611537	3.07E-49	0.686803	2.00E-66	0.713114	9.70E-74	0.351144	5.36E-15
0.45263	0.06327	0.17226	0.280077	7.27E-10	0.088363	0.05637	-0.09602	0.03805
0.45711	0.084399	0.06842	0.358885	1.21E-15	0.169156	0.00024	0.101126	0.02888
0.07808	-0.09363	0.04314	0.150942	0.00107	-0.0516	0.2658	-0.06329	0.17213
1.32E-06	0.285989	3.06E-10	-0.23319	3.47E-07	0.077597	0.09395	0.247467	6.03E-08
0.00069	0.135467	0.00336	0.418831	2.92E-21	0.262756	8.19E-09	0.059264	0.20111
0.70127	0.073017	0.11507	0.487692	2.83E-29	0.201582	1.14E-05	0.028471	0.53939
0.00034	0.139281	0.00256	0.427694	3.42E-22	0.243579	9.81E-08	0.023125	0.61815
0.49174	0.117348	0.01115	0.532959	1.26E-35	0.227765	6.55E-07	0.187722	4.46E-05
0.05206	0.06592	0.15495	0.515839	4.12E-33	0.242752	1.09E-07	-0.08926	0.0539
3.16E-07	0.479166	3.52E-28	-0.00265	0.95441	0.237794	2.00E-07	0.152684	0.00093
0.95456	-0.0501	0.27996	0.300311	3.45E-11	0.085116	0.06609	-0.00559	0.90403
0.24162	-0.04534	0.3282	0.225614	8.39E-07	0.019832	0.66903	0.049542	0.28534
0.06551	-0.1036	0.02516	0.097538	0.0351	-0.07991	0.08454	-0.0596	0.19854
0.28397	-0.27071	2.75E-09	0.177706	0.00011	-0.05431	0.24147	-0.07085	0.12631
0.00071	0.205587	7.51E-06	0.334572	1.12E-13	0.217264	2.15E-06	0.034872	0.45218
1.85E-05	-0.38964	2.22E-18	0.01749	0.70619	-0.23461	2.93E-07	-0.05062	0.27502
0.22566	0.048893	0.29171	0.478346	4.46E-28	0.189061	3.93E-05	0.010196	0.82606
0.76818	-0.0816	0.07813	0.295998	6.74E-11	0.090547	0.05052	-0.17756	0.00011
0.00011	0.20548	7.59E-06	0.561916	3.19E-40	0.339111	4.96E-14	-0.00837	0.85685
0.47365	0.180739	8.58E-05	0.492836	5.99E-30	0.234766	2.87E-07	-0.02845	0.53965
0.12569	-0.03579	0.44035	0.375209	4.65E-17	0.087526	0.05876	-0.17124	0.0002
0.00227	0.057564	0.21436	0.299091	4.18E-11	0.042783	0.35627	-0.27464	1.58E-09

0.55255	-0.00808	0.86183	0.453458	4.61E-25	0.160713	0.00049	-0.04611	0.32004
0.75102	-0.04226	0.36222	0.299467	3.94E-11	0.077386	0.09485	0.167032	0.00029
0.57008	-0.12186	0.00839	0.357862	1.48E-15	0.030095	0.51649	-0.19263	2.78E-05
0.19796	-0.19266	2.77E-05	0.267616	4.22E-09	0.089707	0.05271	-0.1069	0.02086
0.30901	-0.23408	3.12E-07	0.133202	0.00393	-0.04728	0.30794	-0.05082	0.27311
0.3519	-0.29183	1.28E-10	0.125932	0.00643	-0.09207	0.04675	-0.01165	0.80182
0.58424	-0.12383	0.00738	0.283416	4.47E-10	0.057065	0.21837	-0.1602	0.00051
0.00301	-0.06482	0.16197	0.162064	0.00044	-0.03217	0.48795	0.057851	0.21208
0.06824	-0.11852	0.01037	0.457685	1.48E-25	0.173089	0.00017	0.059767	0.1973
0.00196	-0.28047	6.87E-10	0.165169	0.00034	-0.08999	0.05197	-0.16527	0.00034
0.0579	-0.0356	0.44279	0.244535	8.71E-08	0.106092	0.02185	0.028363	0.54092
0.48411	0.036903	0.42625	0.201917	1.10E-05	0.022859	0.6222	-0.02856	0.53808
0.00021	-0.39165	1.43E-18	-0.04942	0.28654	-0.2212	1.38E-06	-0.14847	0.00129
0.00013	0.149538	0.00119	0.292205	1.20E-10	0.054293	0.2416	-0.25688	1.79E-08
7.23E-06	0.12194	0.00834	0.376961	3.24E-17	0.249207	4.83E-08	0.008761	0.85022
1.01E-06	-0.23827	1.88E-07	0.191365	3.14E-05	0.05885	0.20428	-0.01854	0.68942
0.20026	0.045494	0.32659	0.345194	1.63E-14	0.16347	0.00039	0.076238	0.09987
0.6021	0.050801	0.27326	0.300823	3.18E-11	0.079018	0.08807	0.073467	0.11285
0.37278	0.225183	8.81E-07	0.40304	1.15E-19	0.187447	4.58E-05	-0.05811	0.21007
0.20009	-0.04899	0.29077	0.274001	1.73E-09	0.023988	0.60511	0.042739	0.35677
0.00293	-0.22268	1.17E-06	0.228582	5.95E-07	0.066067	0.15402	-0.13766	0.00287
0.0198	-0.32512	5.86E-13	0.107783	0.01982	-0.12955	0.00505	-0.01828	0.6936
0.13551	0.079274	0.08704	0.537793	2.31E-36	0.259485	1.27E-08	0.176214	0.00013
0.63891	0.074555	0.1076	0.407242	4.40E-20	0.126915	0.00602	-0.02855	0.5382
0.68701	0.187515	4.55E-05	0.440958	1.22E-23	0.179488	9.62E-05	0.090656	0.05024
0.0859	0.101551	0.02821	0.562825	2.25E-40	0.274086	1.71E-09	0.05205	0.26163
1.23E-11	0.173059	0.00017	0.618159	1.45E-50	0.397702	3.79E-19	-0.06221	0.17959
0.00045	-0.20315	9.67E-06	0.062877	0.17494	-0.14253	0.00202	-0.09468	0.04083
3.94E-06	0.29391	9.29E-11	-0.11026	0.01714	0.132958	0.004	0.173205	0.00017
4.13E-05	-0.37746	2.92E-17	0.10675	0.02104	-0.1725	0.00018	-0.07015	0.13009
0.20496	-0.15388	0.00085	0.139989	0.00243	0.002072	0.96439	0.040601	0.38135
0.23145	-0.10142	0.02841	0.205442	7.62E-06	0.009285	0.84138	-0.0258	0.57818
5.15E-08	0.034518	0.45678	0.389295	2.39E-18	0.288383	2.14E-10	-0.25377	2.69E-08
0.13256	0.047718	0.30347	0.181495	8.00E-05	0.028974	0.53224	-0.23418	3.08E-07
0.28716	-0.0181	0.69637	0.449309	1.39E-24	0.154788	0.00079	-0.1135	0.01413
0.71892	-0.19434	2.35E-05	0.293201	1.04E-10	0.040514	0.38238	-0.01015	0.82677
0.06434	0.247209	6.23E-08	0.454212	3.77E-25	0.269976	3.05E-09	0.022078	0.63415
8.61E-06	0.208627	5.45E-06	0.537064	2.99E-36	0.332247	1.69E-13	0.033382	0.47173
0.27333	0.156759	0.00067	0.350896	5.61E-15	0.15186	0.00099	0.058356	0.20811
0.09099	-0.23467	2.90E-07	0.115022	0.01287	-0.08572	0.06418	-0.0263	0.57077
4.46E-06	0.226634	7.46E-07	0.591192	2.36E-45	0.385104	5.87E-18	0.057189	0.21737
9.07E-05	-0.38124	1.33E-17	0.041664	0.369	-0.21011	4.66E-06	-0.05947	0.19957
0.8411	0.134783	0.00352	0.328767	3.12E-13	0.149895	0.00116	0.1169	0.01147
0.96401	0.134559	0.00358	0.289549	1.80E-10	0.145844	0.00158	-0.26447	6.49E-09
0.01564	-0.25829	1.49E-08	0.154136	0.00083	-0.10099	0.0291	-0.06175	0.18283



0.02823	-0.04384	0.34453	0.413996	9.18E-21	0.193374	2.58E-05	0.244584	8.66E-08
7.92E-18	0.164777	0.00035	0.499732	7.15E-31	0.368631	1.77E-16	0.126554	0.00617
0.22614	0.126646	0.00613	0.381646	1.22E-17	0.202763	1.01E-05	0.067145	0.1474
0.11377	-0.12957	0.00504	0.324275	6.78E-13	0.122699	0.00794	0.084089	0.06944
0.4111	0.459461	9.11E-26	-0.12829	0.0055	0.077738	0.09335	0.070784	0.12664
0.58092	-0.08857	0.05578	0.1941	2.40E-05	0.090377	0.05096	-0.04312	0.3525
0.01263	-0.14133	0.0022	0.204748	8.19E-06	-0.02062	0.65664	-0.22318	1.11E-06
0.1735	-0.18536	5.58E-05	0.268143	3.93E-09	0.024758	0.59356	-0.05989	0.19636
2.62E-06	0.29374	9.54E-11	0.471203	3.47E-27	0.314523	3.50E-12	0.140044	0.00242
0.23404	0.036064	0.43685	0.301056	3.07E-11	0.106301	0.02159	-0.0937	0.04297
0.84032	0.000657	0.98871	0.334654	1.10E-13	0.114912	0.01296	-0.15397	0.00084
0.33115	-0.03678	0.42785	0.176035	0.00013	0.003868	0.93355	0.191505	3.10E-05
0.75654	-0.17985	9.30E-05	0.230449	4.79E-07	0.04584	0.32292	-0.11561	0.01242
0.6522	0.016762	0.71789	0.381492	1.26E-17	0.152849	0.00092	-0.01263	0.78551
0.00392	0.027722	0.55011	0.337071	7.17E-14	0.03428	0.45988	-0.23584	2.53E-07
5.30E-06	0.093253	0.04399	0.296296	6.44E-11	0.186524	5.00E-05	-0.02432	0.60009
0.9356	-0.04737	0.30705	0.235704	2.57E-07	0.100005	0.03071	0.172662	0.00018
0.64033	-0.13773	0.00286	0.229263	5.50E-07	0.031619	0.49547	0.084036	0.06962
0.15791	-0.14041	0.00236	0.087708	0.05823	-0.08343	0.07165	-0.24039	1.46E-07
0.00081	0.078753	0.08914	0.277526	1.05E-09	0.003791	0.93489	-0.15547	0.00075
5.17E-09	0.228646	5.91E-07	0.529026	4.90E-35	0.373624	6.43E-17	0.117357	0.01115
0.34761	0.020927	0.65193	0.261777	9.34E-09	0.08441	0.06838	-0.11655	0.01172
0.00045	0.040496	0.38258	0.514137	7.20E-33	0.290011	1.68E-10	-0.07928	0.08703
0.0015	0.177775	0.00011	0.493436	4.99E-30	0.284565	3.78E-10	0.308961	8.70E-12
0.08912	-0.2745	1.62E-09	0.085358	0.06533	-0.09926	0.03198	-0.13342	0.00387
0.71962	-0.07439	0.10841	0.183435	6.68E-05	0.027179	0.55795	-0.00939	0.83966
6.17E-09	0.072845	0.11594	0.422454	1.23E-21	0.306448	1.30E-11	0.030855	0.50595
0.15097	0.00071	0.9878	0.401689	1.55E-19	0.205109	7.89E-06	0.182137	7.54E-05
0.00268	-0.09015	0.05154	0.427405	3.67E-22	0.197846	1.66E-05	0.024473	0.59782
0.01336	-0.10222	0.02719	0.177661	0.00011	0.048537	0.29524	0.076443	0.09896
7.96E-10	0.168669	0.00025	0.41846	3.19E-21	0.302907	2.29E-11	-0.13871	0.00266
2.82E-07	0.240066	1.51E-07	0.411303	1.72E-20	0.303297	2.16E-11	0.091609	0.04787
1.01E-06	0.055945	0.22755	0.314804	3.34E-12	0.018424	0.69128	-0.05883	0.20446
8.04E-06	-0.09321	0.04409	0.159136	0.00056	-0.06871	0.1382	-0.13888	0.00263
0.28269	-0.17339	0.00017	0.218693	1.83E-06	0.029852	0.51988	-0.06398	0.1675
0.76982	0.122185	0.00821	0.478713	4.01E-28	0.215061	2.73E-06	-0.0006	0.98976
0.01414	0.211853	3.87E-06	0.581472	1.36E-43	0.359674	1.04E-15	0.235125	2.75E-07
9.33E-07	-0.30559	1.50E-11	0.03493	0.45142	-0.22868	5.89E-07	0.030214	0.51484
0.01335	-0.06663	0.15053	0.040514	0.38237	-0.0649	0.16143	-0.07551	0.10316
0.11828	0.038336	0.4085	0.205253	7.77E-06	0.11083	0.01657	0.092397	0.04597
0.19929	0.0493	0.2877	0.240176	1.49E-07	0.069383	0.13435	-0.16768	0.00027
0.16621	0.094258	0.04175	0.395447	6.24E-19	0.214054	3.05E-06	-0.00951	0.83753
0.19529	-0.20162	1.13E-05	0.091259	0.04873	-0.086	0.06331	-0.03983	0.39053
1.11E-06	-0.23204	3.97E-07	0.098502	0.03333	-0.15201	0.00098	-0.18978	3.66E-05
0.02779	-0.06763	0.14447	0.327021	4.22E-13	0.125828	0.00648	0.165564	0.00033

0.12169	-0.09421	0.04186	0.305671	1.48E-11	0.046406	0.31698	-0.00868	0.85161
0.33127	-0.17041	0.00022	0.082082	0.07639	-0.0452	0.32972	0.032661	0.48137
0.00389	-0.19915	1.45E-05	0.051572	0.26604	-0.13186	0.00431	-0.066	0.15445
0.30136	-0.01707	0.71295	0.164665	0.00035	0.069882	0.13156	-0.0488	0.29264
0.1303	-0.14006	0.00242	0.198823	1.50E-05	0.056554	0.22252	0.044086	0.34179
0.19601	-0.05076	0.27363	0.30205	2.63E-11	0.152123	0.00097	-0.18322	6.82E-05
0.11602	-0.06695	0.14858	0.284734	3.68E-10	0.088179	0.05689	0.076021	0.10084
0.44466	-0.07862	0.08968	0.222279	1.23E-06	0.058061	0.21043	0.104886	0.0234
0.06451	-0.0077	0.86827	0.285119	3.48E-10	0.148677	0.00127	0.11876	0.01021
0.08774	-0.10431	0.02418	0.326168	4.89E-13	0.050267	0.27834	-0.05581	0.22868
2.11E-10	0.117301	0.01119	0.593556	8.63E-46	0.390934	1.68E-18	0.159117	0.00056
0.4066	-0.09066	0.05023	0.141415	0.00219	0.010196	0.82606	-0.00287	0.95075
0.03135	-0.08057	0.08198	0.303561	2.07E-11	0.047854	0.3021	-0.03969	0.39218
0.00039	0.041009	0.37659	0.363216	5.20E-16	0.205454	7.61E-06	0.037601	0.41756
0.00136	0.110219	0.01719	0.348841	8.26E-15	0.219344	1.70E-06	0.133146	0.00395
0.77649	-0.12417	0.00722	0.161881	0.00044	0.001812	0.96885	-0.31478	3.35E-12
0.00149	-0.12659	0.00616	0.218336	1.91E-06	-0.01891	0.68363	-0.04316	0.35203
0.46592	0.11194	0.01551	0.520888	7.73E-34	0.249812	4.48E-08	-0.05494	0.23601
0.58799	-0.0659	0.15507	0.272591	2.11E-09	0.05712	0.21792	-0.0848	0.06712
0.00069	-0.15698	0.00066	0.059505	0.19928	-0.12056	0.00911	0.095921	0.03826
0.01543	0.061221	0.18661	0.476715	7.16E-28	0.232241	3.88E-07	-0.00796	0.86385
0.09972	-0.0806	0.08188	0.407898	3.78E-20	0.165811	0.00032	-0.04328	0.3507
0.0414	-0.21879	1.81E-06	0.121811	0.00841	-0.09619	0.03772	-0.17116	0.0002
0.01043	-0.26745	4.32E-09	0.109449	0.01798	-0.09918	0.03213	-0.13102	0.00457
0.00091	-0.09085	0.04976	0.305338	1.56E-11	0.138876	0.00263	-0.10065	0.02965
0.57877	-0.12509	0.0068	0.315543	2.96E-12	0.086731	0.0611	-0.0526	0.25659
0.20234	0.100047	0.03064	0.482894	1.18E-28	0.237372	2.10E-07	0.130438	0.00475
2.05E-06	0.298796	4.37E-11	-0.05432	0.24136	0.163792	0.00038	0.308838	8.87E-12
3.33E-13	-0.25449	2.45E-08	0.00125	0.9785	-0.24365	9.72E-08	-0.14241	0.00204
0.00054	-0.28766	2.39E-10	0.076227	0.09992	-0.13656	0.00311	-0.1545	0.00081
0.37416	0.078909	0.08851	0.377973	2.63E-17	0.204569	8.35E-06	0.042981	0.35405
0.01555	0.009113	0.8443	0.411924	1.49E-20	0.222443	1.20E-06	0.104841	0.02346
1.99E-09	0.321283	1.13E-12	-0.16769	0.00027	0.18749	4.56E-05	0.270525	2.82E-09
0.85789	-0.08165	0.07797	0.237238	2.13E-07	0.056193	0.2255	-0.12436	0.00713
0.00135	0.283613	4.34E-10	-0.15561	0.00074	0.097201	0.03574	0.054164	0.24272
0.0305	-0.10526	0.02291	0.162222	0.00043	-0.04164	0.3693	0.11942	0.00979
1.07E-05	-0.30437	1.82E-11	0.093471	0.04349	-0.18154	7.97E-05	-0.10626	0.02164
0.78448	-0.15484	0.00079	0.179176	9.89E-05	-0.01501	0.74633	0.04747	0.306
0.11539	0.007052	0.8792	0.350826	5.69E-15	0.087111	0.05997	-0.09405	0.04221
0.14881	0.167804	0.00027	0.462912	3.53E-26	0.279687	7.70E-10	0.060944	0.18861
0.05647	-0.14922	0.00122	0.207352	6.24E-06	-0.04484	0.33358	0.004003	0.93125
0.29006	-0.15485	0.00079	0.240261	1.48E-07	-0.02342	0.61361	-0.09993	0.03083
0.08273	-0.1575	0.00064	0.147533	0.00139	-0.06896	0.13676	0.017834	0.70068
0.21316	-0.00093	0.98397	0.290445	1.57E-10	0.128876	0.00528	0.100723	0.02953
0.03764	0.106795	0.02098	0.373569	6.51E-17	0.197192	1.77E-05	-0.07536	0.10385

2.04E-11	0.233956	3.16E-07	0.664857	6.77E-61	0.446379	3.00E-24	0.036661	0.4293
0.19166	-0.1854	5.56E-05	0.126081	0.00637	-0.07409	0.1098	0.0547	0.23808
1.41E-08	0.129339	0.00512	0.472054	2.72E-27	0.282632	5.02E-10	0.004164	0.92848
0.6903	-0.03276	0.48007	0.284097	4.05E-10	0.069513	0.13362	-0.05215	0.26073
0.672	-0.29945	3.95E-11	0.175985	0.00013	-0.03907	0.39963	-0.06014	0.19452
4.14E-07	-0.17357	0.00016	0.117287	0.0112	-0.11238	0.01511	-0.1633	0.0004
0.32308	0.121986	0.00832	0.346375	1.31E-14	0.158832	0.00057	0.029522	0.52451
0.79706	-0.16877	0.00025	0.203228	9.59E-06	0.005901	0.8988	-0.20226	1.06E-05
0.02334	0.059873	0.19651	0.412157	1.41E-20	0.208633	5.45E-06	0.012902	0.78096
9.78E-05	-0.2254	8.59E-07	0.083452	0.07159	-0.11664	0.01165	-0.06519	0.15955
0.01682	-0.16649	0.0003	0.13004	0.00488	-0.06729	0.14655	0.039351	0.3962
2.96E-05	0.149311	0.00121	-0.27768	1.03E-09	0.030907	0.50524	0.088279	0.05661
0.43115	0.123699	0.00744	0.421105	1.70E-21	0.182214	7.48E-05	-0.02897	0.53237
9.77E-13	0.304857	1.68E-11	0.596445	2.49E-46	0.479211	3.47E-28	0.115081	0.01283
0.20572	-0.07709	0.09613	0.359849	1.01E-15	0.138057	0.00279	-0.19282	2.73E-05
0.00981	0.048406	0.29655	0.464397	2.34E-26	0.226715	7.39E-07	0.180286	8.94E-05
0.04556	0.172102	0.00019	0.504046	1.85E-31	0.300302	3.46E-11	-0.05736	0.21598
0.08904	0.136463	0.00313	0.494876	3.21E-30	0.252211	3.29E-08	0.007388	0.87349
0.00663	0.111451	0.01597	0.226831	7.29E-07	0.041825	0.36716	-0.00131	0.97744
6.07E-05	-0.11568	0.01237	0.237968	1.95E-07	0.122175	0.00822	-0.11079	0.01661
0.01162	-0.28506	3.51E-10	0.101846	0.02775	-0.10975	0.01767	-0.08295	0.0733
0.00751	-0.08211	0.07629	0.443155	6.94E-24	0.199989	1.34E-05	0.061035	0.18795
0.06181	-0.21242	3.64E-06	0.241279	1.30E-07	0.044525	0.33701	0.060323	0.19316
0.14996	-0.02387	0.60696	0.451649	7.47E-25	0.175506	0.00014	-0.09882	0.03275
0.14924	-0.21898	1.77E-06	0.271436	2.49E-09	0.055685	0.22972	0.014912	0.74791
0.00234	0.063957	0.16764	0.355752	2.23E-15	0.083476	0.07151	-0.06925	0.13511
0.17223	0.002606	0.95522	0.192782	2.74E-05	0.040117	0.38706	-0.13712	0.00298
0.11811	-0.12799	0.00561	0.084811	0.06707	-0.1042	0.02433	-0.06259	0.17696
0.98803	0.158874	0.00057	0.468637	7.16E-27	0.204396	8.50E-06	0.014927	0.74765
0.02637	-0.2966	6.14E-11	0.007411	0.87309	-0.12989	0.00493	-0.14999	0.00115
0.17032	-0.16986	0.00023	0.186327	5.09E-05	-0.00915	0.84361	0.021221	0.64737
0.00891	0.092445	0.04586	0.391215	1.58E-18	0.21487	2.79E-06	0.097267	0.03561
0.02275	0.093907	0.04252	0.261634	9.52E-09	0.158633	0.00058	0.151452	0.00103
0.58273	0.006405	0.8902	0.396978	4.45E-19	0.16208	0.00044	-0.03656	0.43051
0.029	-0.30183	2.72E-11	0.239072	1.71E-07	-0.04179	0.3675	-0.27327	1.92E-09
0.00429	0.319543	1.51E-12	0.506763	7.79E-32	0.325836	5.18E-13	-0.10935	0.01809
0.41217	0.43401	7.13E-23	-0.13122	0.00451	0.053818	0.24574	-0.08533	0.06542
0.00299	0.035686	0.44168	0.2514	3.65E-08	0.155672	0.00074	-0.1114	0.01602
2.64E-10	0.039445	0.39507	-0.23411	3.11E-07	0.006922	0.88141	0.112	0.01546
0.14796	-0.01651	0.72198	0.238608	1.81E-07	0.038408	0.40762	0.080129	0.08368
4.65E-10	0.389323	2.37E-18	-0.02595	0.57592	0.215446	2.62E-06	0.486893	3.60E-29
0.01108	-0.18169	7.86E-05	0.191146	3.21E-05	0.032461	0.48406	-0.00799	0.86324
0.51173	0.140297	0.00238	0.524343	2.42E-34	0.264822	6.19E-09	0.078944	0.08837
0.18497	0.119288	0.00988	0.261274	9.99E-09	0.076503	0.09869	0.186531	5.00E-05
0.65577	-0.05072	0.27406	0.21512	2.71E-06	0.030177	0.51535	0.251207	3.74E-08

0.98147	-0.25054	4.08E-08	0.026848	0.56276	-0.06379	0.16878	-0.34207	2.89E-14
7.93E-08	0.188604	4.10E-05	0.403076	1.14E-19	0.292401	1.17E-10	0.214024	3.06E-06
0.01673	-0.09009	0.0517	0.327498	3.89E-13	0.11885	0.01015	-0.04753	0.30541
0.24464	-0.0591	0.20239	0.291358	1.37E-10	0.061048	0.18785	-0.0676	0.14468
0.1007	-0.08082	0.08105	0.375423	4.45E-17	0.056261	0.22493	-0.12246	0.00807
0.0668	0.068144	0.14146	0.405308	6.85E-20	0.215313	2.66E-06	0.141297	0.00221
0.00844	0.182647	7.19E-05	0.549542	3.33E-38	0.32617	4.89E-13	0.058661	0.20574
0.00015	-0.2683	3.84E-09	0.031132	0.50214	-0.18145	8.03E-05	-0.01473	0.75092
0.42353	-0.04028	0.38508	0.184355	6.13E-05	0.025568	0.58154	0.044569	0.33654
0.00045	0.105738	0.0223	0.469326	5.90E-27	0.284226	3.97E-10	0.044072	0.34195
0.00763	-0.08828	0.05662	0.250145	4.29E-08	0.02018	0.66358	-0.02359	0.61118
0.43052	0.045621	0.32524	0.266293	5.06E-09	0.064309	0.16531	0.143912	0.00182
1.42E-06	-0.11017	0.01724	0.271256	2.55E-09	-0.04333	0.35011	-0.22783	6.49E-07
0.37237	-0.06355	0.17038	0.263304	7.60E-09	0.083498	0.07143	0.123678	0.00745
0.00993	-0.15123	0.00104	0.248555	5.25E-08	0.090875	0.04969	-0.1136	0.01404
5.99E-07	0.028362	0.54094	0.328833	3.08E-13	0.195169	2.16E-05	0.157497	0.00064
0.00252	-0.01706	0.71315	0.338005	6.06E-14	0.04741	0.3066	-0.27614	1.28E-09
0.02198	-0.20595	7.23E-06	0.118878	0.01013	-0.09483	0.04051	0.016168	0.72748
0.85926	-0.03292	0.47789	0.191153	3.21E-05	0.055091	0.23474	-0.09172	0.0476
8.85E-11	-0.19798	1.64E-05	0.031992	0.4904	-0.185	5.77E-05	-0.33894	5.12E-14
3.50E-08	0.074374	0.10846	0.365655	3.21E-16	0.274128	1.70E-09	0.015725	0.73467
0.01337	0.062008	0.18099	0.381573	1.24E-17	0.218815	1.81E-06	0.126349	0.00626
0.22449	0.045817	0.32316	0.240547	1.43E-07	0.108678	0.01881	-0.16424	0.00037
0.01368	-0.18879	4.03E-05	0.163867	0.00038	-0.0604	0.1926	-0.08528	0.06556
0.19204	-0.16563	0.00032	0.297755	5.14E-11	0.058557	0.20654	-0.13701	0.00301
0.13699	-0.09014	0.05157	0.315064	3.20E-12	0.064538	0.1638	-0.14956	0.00119
0.00064	-0.17767	0.00011	0.096398	0.0373	-0.13571	0.0033	-0.20544	7.63E-06
0.09321	-0.21577	2.53E-06	0.094082	0.04213	-0.0103	0.82434	-0.19983	1.36E-05
8.34E-07	-0.01633	0.72487	0.26062	1.09E-08	-0.00945	0.83863	-0.39948	2.55E-19
0.49325	0.152605	0.00094	0.333537	1.35E-13	0.198158	1.61E-05	-0.0836	0.07107
0.02061	0.210487	4.48E-06	0.549011	4.05E-38	0.301441	2.89E-11	0.113184	0.0144
0.00061	-0.09518	0.03977	0.395155	6.66E-19	0.18362	6.57E-05	0.0738	0.11122
0.0452	-0.18	9.17E-05	0.0343	0.45963	-0.01488	0.7485	0.066718	0.15
0.51926	-0.08211	0.07629	0.233347	3.40E-07	0.068727	0.13808	0.265297	5.80E-09
0.04178	-0.16239	0.00043	0.176496	0.00013	-0.0142	0.75962	-0.12436	0.00713
0.71351	0.006755	0.88425	0.359195	1.14E-15	0.113233	0.01435	-0.04764	0.30424
0.00139	-0.13625	0.00317	0.209153	5.16E-06	-0.02331	0.61536	-0.04741	0.30661
0.09694	0.10622	0.02169	0.319697	1.48E-12	0.17427	0.00015	0.019447	0.67509
9.23E-11	-0.40146	1.64E-19	-0.06135	0.18571	-0.31833	1.86E-12	-0.16742	0.00028
0.3515	-0.22093	1.43E-06	0.288134	2.22E-10	0.035428	0.44499	-0.19468	2.27E-05
0.00077	0.040064	0.38769	0.454864	3.16E-25	0.221193	1.39E-06	0.000994	0.9829
6.52E-06	0.117326	0.01117	0.574551	2.25E-42	0.334672	1.10E-13	0.093742	0.04289
0.11857	0.147591	0.00138	0.269265	3.36E-09	0.136602	0.0031	0.003806	0.93462
0.08742	0.14914	0.00123	0.269908	3.08E-09	0.11912	0.00998	0.177539	0.00011
0.00063	0.005171	0.91126	0.397037	4.39E-19	0.074162	0.10948	0.014861	0.74873

0.05009	-0.24199	1.19E-07	0.070013	0.13084	-0.0883	0.05655	0.008368	0.85688
0.48112	-0.19046	3.43E-05	0.179042	0.0001	0.029558	0.52401	0.044011	0.34262
0.14524	-0.19394	2.44E-05	0.15208	0.00098	-0.05591	0.22782	-0.14508	0.00167
0.00074	-0.06609	0.15389	0.053151	0.25166	0.064741	0.16248	0.054667	0.23837
0.01392	-0.30538	1.55E-11	0.097531	0.03511	-0.13962	0.0025	-0.05727	0.21674
0.00497	0.1365	0.00312	0.548976	4.10E-38	0.305222	1.59E-11	0.097831	0.03455
2.75E-06	-0.22039	1.52E-06	0.162699	0.00042	-0.11645	0.01179	-0.13016	0.00484
2.00E-07	0.129458	0.00508	0.444754	4.58E-24	0.306516	1.29E-11	0.119034	0.01004
0.05984	-0.28065	6.69E-10	0.191946	2.97E-05	-0.075	0.10553	-0.02842	0.54006
0.006	-0.22987	5.12E-07	0.162203	0.00043	-0.07877	0.08907	-0.14267	0.002
8.88E-05	-0.03323	0.47377	0.304337	1.83E-11	0.150806	0.00108	-0.06472	0.16264
0.31112	-0.13144	0.00444	0.250283	4.21E-08	0.073353	0.11341	-0.11285	0.01469
0.00625	-0.0064	0.8903	0.330111	2.46E-13	0.03647	0.4317	-0.10757	0.02007
2.60E-05	-0.23318	3.47E-07	0.07882	0.08887	-0.18315	6.86E-05	-0.09443	0.04138
0.00565	0.064571	0.16359	-0.38086	1.44E-17	-0.06957	0.13328	0.027868	0.54802
0.46016	-0.10929	0.01815	0.207073	6.43E-06	0.039637	0.39277	-0.19327	2.61E-05
0.0139	-0.0043	0.92609	0.355717	2.24E-15	0.053475	0.24877	-0.01875	0.68606
0.00012	-0.06049	0.19193	0.313169	4.38E-12	0.022458	0.62832	-0.23477	2.87E-07
0.0017	-0.09786	0.0345	0.196458	1.90E-05	0.062136	0.18009	0.17869	0.0001
0.57208	0.125215	0.00674	0.563509	1.73E-40	0.240982	1.35E-07	-0.07973	0.08523
0.82868	0.152111	0.00098	0.394495	7.70E-19	0.219053	1.76E-06	0.013593	0.76955
0.00505	-0.18323	6.81E-05	0.267761	4.14E-09	0.07636	0.09932	0.110847	0.01656
0.03887	-0.05465	0.23847	0.228419	6.07E-07	0.090099	0.05168	-0.02413	0.60292
0.34507	-0.02563	0.58066	0.255026	2.28E-08	0.097614	0.03496	0.075434	0.10351
7.43E-07	-0.14918	0.00122	0.101451	0.02837	-0.12865	0.00536	-0.22685	7.27E-07
0.4166	0.004779	0.91796	0.310882	6.37E-12	0.095346	0.03943	-0.03094	0.50484
1.40E-08	0.236462	2.34E-07	0.507868	5.47E-32	0.373356	6.80E-17	0.056317	0.22447
0.29234	-0.1373	0.00295	0.258303	1.48E-08	0.078285	0.09106	-0.08721	0.05969
0.01398	-0.17889	0.0001	0.280271	7.07E-10	-0.00286	0.9508	-0.12759	0.00576
0.00052	0.150928	0.00107	0.504291	1.71E-31	0.312549	4.85E-12	0.130316	0.00479
0.34369	-0.37751	2.89E-17	0.037452	0.4194	-0.1497	0.00118	-0.01067	0.81818
0.81253	-0.29434	8.70E-11	0.161893	0.00044	-0.05831	0.20849	-0.01509	0.74497
2.49E-16	0.254483	2.45E-08	0.035843	0.43968	0.294433	8.58E-11	0.307562	1.09E-11
1.71E-17	0.192931	2.70E-05	0.624152	8.56E-52	0.456466	2.05E-25	0.190038	3.57E-05
0.30441	0.142898	0.00196	0.474348	1.41E-27	0.239708	1.58E-07	-0.00649	0.88875
0.34572	-0.19183	3.00E-05	0.078939	0.08839	-0.05164	0.26541	-0.15624	0.0007
0.18929	-0.01353	0.77057	0.295754	7.00E-11	0.158594	0.00058	0.172987	0.00017
6.24E-08	-0.38942	2.32E-18	-0.01777	0.70166	-0.27447	1.62E-09	0.000429	0.99262
0.14356	-0.30073	3.23E-11	0.10579	0.02223	-0.07442	0.10826	-0.05671	0.22123
0.63052	0.01537	0.74043	0.404473	8.28E-20	0.109012	0.01845	-0.24411	9.18E-08
0.00781	-0.17544	0.00014	0.249	4.96E-08	-0.01595	0.73099	-0.16832	0.00026
0.71559	-0.16224	0.00043	0.181039	8.34E-05	-0.01539	0.74017	-0.08376	0.07056
0.00028	-0.23953	1.62E-07	0.030645	0.50886	-0.16651	0.0003	-0.09054	0.05055
0.00098	-0.14905	0.00124	0.250564	4.07E-08	-0.02718	0.55794	-0.08577	0.06404
0.38157	-0.0059	0.89875	0.263748	7.16E-09	0.044188	0.34068	-0.11744	0.01109

0.00099	-0.17191	0.00019	0.143956	0.00182	-0.07349	0.11275	-0.10513	0.02308
1.37E-13	0.405133	7.12E-20	0.0298	0.52061	0.328994	3.00E-13	0.277173	1.10E-09
2.12E-30	-0.33055	2.28E-13	-0.54122	6.83E-37	-0.56294	2.16E-40	-0.47121	3.46E-27
1.59E-24	-0.21294	3.44E-06	-0.33256	1.60E-13	-0.42524	6.23E-22	-0.3536	3.36E-15
6.73E-35	-0.3233	8.01E-13	-0.50216	3.34E-31	-0.55091	2.01E-38	-0.54519	1.64E-37
4.13E-32	-0.28353	4.40E-10	-0.50584	1.04E-31	-0.52861	5.66E-35	-0.53808	2.08E-36
1.15E-32	-0.25203	3.37E-08	-0.47143	3.25E-27	-0.51322	9.70E-33	-0.51946	1.24E-33
0.00139	-0.01997	0.66694	-0.10102	0.02905	0.051326	0.26833	0.32544	5.55E-13
2.00E-40	-0.36285	5.60E-16	-0.58179	1.19E-43	-0.60982	6.70E-49	-0.59568	3.47E-46
1.98E-24	-0.24829	5.43E-08	-0.39231	1.24E-18	-0.43883	2.10E-23	-0.43758	2.89E-23
1.07E-31	0.326646	4.50E-13	0.5419	5.35E-37	0.542616	4.14E-37	0.614335	8.52E-50
0.12063	0.162445	0.00042	0.073273	0.1138	0.093146	0.04423	0.543952	2.56E-37
4.59E-28	-0.3208	1.22E-12	-0.47239	2.47E-27	-0.49874	9.73E-31	-0.47021	4.59E-27
6.56E-14	-0.26573	5.47E-09	-0.41393	9.33E-21	-0.40614	5.65E-20	-0.44042	1.40E-23
0.04733	0.089461	0.05336	0.294347	8.69E-11	0.177654	0.00011	0.444836	4.49E-24
0.00025	-0.30093	3.13E-11	-0.34913	7.82E-15	-0.31166	5.60E-12	-0.51214	1.38E-32
1.27E-22	-0.34087	3.61E-14	-0.40244	1.31E-19	-0.46113	5.77E-26	-0.31327	4.30E-12
4.66E-08	-0.01767	0.70326	-0.2289	5.74E-07	-0.21634	2.38E-06	-0.24981	4.48E-08
2.33E-13	-0.36018	9.45E-16	-0.36703	2.44E-16	-0.39612	5.38E-19	-0.24109	1.33E-07
1.71E-13	0.013415	0.77248	-0.2811	6.27E-10	-0.24974	4.52E-08	-0.47624	8.21E-28
0.00624	-0.08593	0.06354	-0.12235	0.00813	-0.11635	0.01187	-0.37078	1.15E-16
1.12E-11	-0.01932	0.67711	-0.24535	7.87E-08	-0.23153	4.22E-07	-0.44024	1.47E-23
0.00056	-0.12393	0.00733	-0.47852	4.24E-28	-0.30624	1.35E-11	-0.2165	2.33E-06
8.77E-12	0.114954	0.01293	0.169891	0.00023	0.191627	3.06E-05	0.176776	0.00012
4.26E-16	0.254032	2.60E-08	0.350715	5.81E-15	0.333069	1.46E-13	0.29436	8.67E-11
0.57148	-0.03863	0.40493	-0.02166	0.64055	0.0042	0.92788	-0.52767	7.80E-35
4.21E-18	-0.26479	6.22E-09	-0.41852	3.15E-21	-0.4285	2.81E-22	-0.54496	1.78E-37
0.00037	-0.25831	1.48E-08	-0.24818	5.51E-08	-0.23604	2.46E-07	-0.37507	4.78E-17
1.09E-10	-0.42517	6.35E-22	-0.47008	4.77E-27	-0.4554	2.74E-25	-0.20363	9.20E-06
0.00011	-0.05316	0.25159	-0.29746	5.38E-11	-0.19754	1.71E-05	-0.34507	1.67E-14
2.12E-23	-0.37315	7.09E-17	-0.49169	8.48E-30	-0.51633	3.51E-33	-0.48874	2.07E-29
5.49E-12	-0.11987	0.00952	-0.3416	3.16E-14	-0.30908	8.53E-12	-0.3363	8.23E-14
2.40E-08	-0.16349	0.00039	-0.35609	2.09E-15	-0.31587	2.80E-12	-0.23526	2.71E-07
4.43E-08	-0.33982	4.36E-14	-0.40332	1.08E-19	-0.38102	1.39E-17	-0.43847	2.31E-23
1.02E-06	-0.06154	0.1843	-0.2373	2.12E-07	-0.20687	6.57E-06	-0.41064	2.01E-20
3.68E-05	-0.35654	1.91E-15	-0.37814	2.53E-17	-0.33996	4.25E-14	-0.50995	2.81E-32
1.65E-07	-0.14552	0.00162	-0.30926	8.29E-12	-0.27069	2.76E-09	-0.40399	9.24E-20
0.38906	-0.2614	9.83E-09	-0.4684	7.66E-27	-0.28194	5.55E-10	-0.33347	1.36E-13
0.76652	-0.17642	0.00013	-0.18938	3.81E-05	-0.13897	0.00261	-0.16725	0.00028
0.17574	-0.29527	7.54E-11	-0.27629	1.25E-09	-0.20909	5.20E-06	-0.27894	8.57E-10
0.00017	-0.1295	0.00507	-0.17601	0.00013	-0.20362	9.21E-06	-0.21271	3.52E-06
4.59E-23	-0.21909	1.75E-06	-0.41753	3.98E-21	-0.4463	3.06E-24	-0.5469	8.79E-38
0.00019	-0.28144	5.97E-10	-0.23034	4.85E-07	-0.27809	9.68E-10	-0.32023	1.35E-12
9.70E-09	0.162276	0.00043	0.201332	1.16E-05	0.234467	2.98E-07	0.398794	2.97E-19
2.94E-08	-0.27119	2.57E-09	-0.30394	1.95E-11	-0.31245	4.92E-12	-0.47134	3.34E-27

2.43E-05	0.091702	0.04764	-0.20051	1.27E-05	-0.13922	0.00257	-0.09945	0.03166
0.62755	0.019953	0.66714	-0.05648	0.2231	0.019344	0.67672	-0.02992	0.51895
2.71E-17	-0.27189	2.33E-09	-0.43929	1.87E-23	-0.43996	1.58E-23	-0.37596	3.98E-17
1.73E-07	-0.23283	3.62E-07	-0.39791	3.62E-19	-0.34357	2.20E-14	-0.21604	2.45E-06
3.15E-12	-0.11127	0.01615	-0.37678	3.36E-17	-0.32775	3.72E-13	-0.40793	3.75E-20
3.97E-05	0.128333	0.00548	0.253356	2.84E-08	0.254001	2.61E-08	0.362468	6.03E-16
9.95E-24	0.085757	0.06407	0.036229	0.43475	0.242853	1.07E-07	0.577953	5.72E-43
2.81E-41	0.317825	2.02E-12	0.381976	1.14E-17	0.505983	9.98E-32	0.327542	3.86E-13
7.81E-19	-0.4558	2.46E-25	-0.63021	4.60E-53	-0.58243	9.20E-44	-0.20506	7.93E-06
4.87E-10	0.176376	0.00013	0.376896	3.28E-17	0.323753	7.41E-13	0.436228	4.08E-23
2.53E-29	-0.48218	1.45E-28	-0.57929	3.32E-43	-0.6025	1.77E-47	-0.42851	2.80E-22
1.97E-10	-0.283	4.75E-10	-0.23386	3.20E-07	-0.29513	7.70E-11	-0.35586	2.18E-15
3.18E-41	-0.37091	1.12E-16	-0.57366	3.22E-42	-0.61435	8.47E-50	-0.59674	2.20E-46
0.24534	0.177478	0.00012	0.071005	0.12546	0.089186	0.05411	0.428746	2.64E-22
2.73E-11	-0.16068	0.00049	-0.27752	1.05E-09	-0.27609	1.29E-09	-0.21806	1.96E-06
3.00E-17	-0.27654	1.21E-09	-0.41229	1.37E-20	-0.40055	2.01E-19	-0.38215	1.10E-17
1.35E-19	-0.09685	0.03642	-0.32363	7.57E-13	-0.33054	2.29E-13	-0.20935	5.05E-06
0.13525	-0.07141	0.12333	-0.19112	3.22E-05	-0.11577	0.01229	-0.32558	5.41E-13
3.02E-33	0.406502	5.21E-20	0.417887	3.66E-21	0.545537	1.44E-37	0.353251	3.59E-15
0.19237	-0.16785	0.00027	-0.25831	1.48E-08	-0.22456	9.46E-07	-0.291	1.45E-10
1.51E-08	-0.10339	0.02546	-0.26383	7.08E-09	-0.28673	2.74E-10	-0.27584	1.34E-09
0.00434	0.243061	1.05E-07	0.066897	0.14891	0.010219	0.82568	-0.13203	0.00426
1.27E-15	-0.35545	2.36E-15	-0.43587	4.47E-23	-0.46258	3.87E-26	-0.40855	3.26E-20
2.93E-26	-0.31118	6.07E-12	-0.47602	8.75E-28	-0.50962	3.12E-32	-0.47729	6.07E-28
1.05E-15	-0.26797	4.02E-09	-0.42842	2.86E-22	-0.43518	5.31E-23	-0.33046	2.32E-13
7.66E-05	-0.35805	1.43E-15	-0.3516	4.92E-15	-0.33234	1.67E-13	-0.42592	5.29E-22
5.60E-25	-0.2917	1.30E-10	-0.40016	2.19E-19	-0.44673	2.73E-24	-0.49877	9.64E-31
0.05999	-0.39778	3.73E-19	-0.31206	5.25E-12	-0.26827	3.86E-09	-0.29862	4.50E-11
1.02E-08	-0.08915	0.05419	-0.23701	2.19E-07	-0.24848	5.30E-08	-0.28553	3.28E-10
9.81E-09	0.197821	1.66E-05	0.367818	2.08E-16	0.292711	1.12E-10	0.353318	3.54E-15
4.51E-14	-0.17742	0.00012	-0.33384	1.28E-13	-0.31546	3.00E-12	-0.30693	1.21E-11
7.36E-15	-0.48431	7.77E-29	-0.37705	3.18E-17	-0.44636	3.01E-24	-0.37577	4.14E-17
7.49E-22	0.175681	0.00014	0.323078	8.32E-13	0.366447	2.74E-16	0.586355	1.81E-44
1.09E-40	-0.19659	1.88E-05	-0.51443	6.55E-33	-0.54744	7.19E-38	-0.50769	5.79E-32
0.00052	-0.02447	0.59784	-0.11556	0.01246	-0.11517	0.01276	-0.43977	1.66E-23
2.00E-17	-0.12426	0.00718	-0.3525	4.14E-15	-0.34614	1.37E-14	-0.51	2.76E-32
5.84E-19	-0.30296	2.27E-11	-0.43436	6.53E-23	-0.46094	6.07E-26	-0.4814	1.83E-28
9.03E-23	0.476303	8.06E-28	0.483665	9.39E-29	0.488351	2.32E-29	0.409235	2.78E-20
7.76E-11	-0.29672	6.03E-11	-0.25978	1.22E-08	-0.31863	1.77E-12	-0.3694	1.52E-16
2.00E-11	-0.24256	1.11E-07	-0.42117	1.67E-21	-0.3905	1.84E-18	-0.27587	1.33E-09
0.03412	-0.16364	0.00038	-0.25335	2.84E-08	-0.20137	1.16E-05	-0.51117	1.89E-32
1.98E-43	0.480721	2.23E-28	0.389925	2.08E-18	0.533431	1.07E-35	0.347667	1.03E-14
1.57E-21	0.376936	3.26E-17	0.369329	1.54E-16	0.437208	3.18E-23	0.3736	6.46E-17
1.39E-11	-0.01817	0.69531	-0.19555	2.08E-05	-0.20724	6.31E-06	-0.34025	4.04E-14
3.46E-22	-0.38203	1.12E-17	-0.41576	6.05E-21	-0.47527	1.09E-27	-0.46949	5.63E-27

0.02519	-0.04086	0.37835	-0.07369	0.11177	-0.06695	0.1486	-0.26194	9.14E-09
1.57E-08	-0.19342	2.57E-05	-0.3208	1.22E-12	-0.31548	2.99E-12	-0.12116	0.00877
1.44E-10	-0.08463	0.06766	-0.26623	5.11E-09	-0.27311	1.97E-09	-0.30657	1.28E-11
1.34E-27	-0.29803	4.92E-11	-0.47215	2.65E-27	-0.50382	1.98E-31	-0.53051	2.94E-35
0.0262	-0.34289	2.49E-14	-0.36041	9.02E-16	-0.28339	4.49E-10	-0.27435	1.65E-09
1.06E-16	-0.34969	7.05E-15	-0.40285	1.20E-19	-0.44842	1.76E-24	-0.35158	4.93E-15
1.94E-23	-0.34722	1.12E-14	-0.4896	1.60E-29	-0.49736	1.49E-30	-0.61115	3.66E-49
3.75E-08	-0.18538	5.57E-05	-0.45102	8.83E-25	-0.37055	1.20E-16	-0.3775	2.89E-17
0.12461	-0.29084	1.48E-10	-0.49939	7.95E-31	-0.31958	1.50E-12	-0.21068	4.39E-06
6.55E-19	0.283165	4.64E-10	0.283661	4.31E-10	0.356858	1.80E-15	0.483847	8.90E-29
4.49E-06	-0.17813	0.00011	-0.23399	3.15E-07	-0.25649	1.89E-08	-0.63211	1.81E-53
4.50E-10	-0.21428	2.97E-06	-0.3081	1.00E-11	-0.33863	5.41E-14	-0.42805	3.13E-22
0.00147	-0.16374	0.00038	-0.36979	1.40E-16	-0.26958	3.22E-09	-0.27847	9.17E-10
2.27E-07	0.109451	0.01798	0.191396	3.13E-05	0.159942	0.00052	0.56755	3.60E-41
7.62E-05	-0.4168	4.74E-21	-0.3785	2.35E-17	-0.36518	3.53E-16	-0.43484	5.79E-23
9.22E-08	-0.10618	0.02174	-0.29776	5.13E-11	-0.2924	1.17E-10	-0.2121	3.77E-06
1.13E-12	-0.52166	5.97E-34	-0.41444	8.27E-21	-0.45474	3.27E-25	-0.41956	2.46E-21
1.26E-11	-0.40103	1.80E-19	-0.41528	6.78E-21	-0.40605	5.78E-20	-0.50679	7.73E-32
0.21332	-0.11124	0.01617	-0.2228	1.16E-06	-0.17164	0.00019	-0.30263	2.40E-11
0.02632	-0.11913	0.00997	-0.19267	2.77E-05	-0.1397	0.00248	-0.39444	7.80E-19
2.06E-31	-0.41709	4.42E-21	-0.46891	6.63E-27	-0.54246	4.38E-37	-0.48488	6.54E-29
3.43E-11	0.25654	1.87E-08	0.340315	3.99E-14	0.346494	1.28E-14	0.370034	1.33E-16
2.11E-22	0.389991	2.06E-18	0.23167	4.15E-07	0.380288	1.62E-17	0.368809	1.71E-16
0.62438	-0.16222	0.00043	-0.25222	3.28E-08	-0.18061	8.68E-05	-0.39164	1.44E-18
7.77E-07	0.043605	0.3471	-0.21834	1.91E-06	-0.17232	0.00018	-0.36108	7.91E-16
2.16E-11	-0.18379	6.47E-05	-0.26273	8.21E-09	-0.2944	8.62E-11	-0.35146	5.04E-15
4.08E-24	-0.26102	1.03E-08	-0.426	5.18E-22	-0.46274	3.70E-26	-0.58413	4.55E-44
5.03E-35	-0.1875	4.56E-05	-0.38819	3.03E-18	-0.44731	2.35E-24	-0.49075	1.13E-29
3.32E-14	0.278897	8.62E-10	0.389684	2.20E-18	0.392492	1.19E-18	0.199798	1.36E-05
2.07E-17	-0.21461	2.87E-06	-0.4808	2.18E-28	-0.4574	1.59E-25	-0.28551	3.29E-10
1.30E-09	-0.20048	1.27E-05	-0.29349	9.91E-11	-0.29692	5.85E-11	-0.44649	2.92E-24
8.79E-38	0.479245	3.43E-28	0.365904	3.05E-16	0.556177	2.82E-39	0.387239	3.72E-18
1.16E-35	0.512707	1.15E-32	0.250355	4.18E-08	0.493096	5.53E-30	0.421065	1.71E-21
3.24E-11	-0.2465	6.81E-08	-0.33382	1.28E-13	-0.33638	8.12E-14	-0.43387	7.37E-23
4.16E-21	0.314164	3.71E-12	0.227537	6.72E-07	0.345844	1.44E-14	0.395618	6.01E-19
1.22E-51	0.533628	9.97E-36	0.640083	3.42E-55	0.68093	6.72E-65	0.38962	2.23E-18
0.00015	-0.30631	1.33E-11	-0.24892	5.02E-08	-0.2619	9.19E-09	-0.48764	2.88E-29
5.91E-07	-0.38027	1.63E-17	-0.53007	3.42E-35	-0.42788	3.27E-22	-0.41886	2.90E-21
9.76E-48	-0.42701	4.05E-22	-0.56982	1.47E-41	-0.64295	7.94E-56	-0.51727	2.57E-33
1.09E-12	-0.34023	4.05E-14	-0.39515	6.67E-19	-0.39398	8.62E-19	-0.38936	2.36E-18
1.25E-25	-0.36546	3.34E-16	-0.49973	7.16E-31	-0.50704	7.12E-32	-0.44121	1.15E-23
0.09708	-0.20773	6.00E-06	-0.13947	0.00252	-0.15597	0.00072	-0.24171	1.24E-07
2.39E-27	0.409608	2.55E-20	0.197634	1.69E-05	0.448067	1.93E-24	0.399275	2.67E-19
2.54E-12	-0.24523	7.98E-08	-0.43676	3.57E-23	-0.36503	3.63E-16	-0.441	1.21E-23
9.69E-18	-0.23553	2.62E-07	-0.33006	2.49E-13	-0.37631	3.71E-17	-0.38225	1.07E-17



5.49E-10	0.2544	2.48E-08	0.299068	4.19E-11	0.307186	1.16E-11	0.249485	4.67E-08
0.88038	0.02146	0.64368	-0.0836	0.07108	-0.01314	0.77697	-0.46558	1.68E-26
5.97E-10	-0.42113	1.69E-21	-0.45425	3.73E-25	-0.4346	6.14E-23	-0.40669	5.00E-20
5.69E-16	-0.25179	3.47E-08	-0.3093	8.23E-12	-0.38584	5.02E-18	-0.44839	1.77E-24
1.42E-15	-0.31493	3.27E-12	-0.36042	9.02E-16	-0.40514	7.11E-20	-0.57228	5.58E-42
7.00E-15	0.289073	1.93E-10	0.378694	2.26E-17	0.366311	2.82E-16	0.678052	3.66E-64
0.00735	-0.06881	0.13758	-0.12849	0.00542	-0.13593	0.00325	-0.25957	1.25E-08
6.23E-24	-0.30142	2.90E-11	-0.42126	1.63E-21	-0.4656	1.68E-26	-0.53864	1.71E-36
9.37E-19	-0.23793	1.96E-07	-0.43912	1.95E-23	-0.44768	2.13E-24	-0.29607	6.67E-11
6.44E-17	0.218587	1.85E-06	0.309618	7.82E-12	0.345667	1.49E-14	0.433858	7.40E-23
0.19494	-0.06095	0.18856	-0.13722	0.00296	-0.09419	0.0419	-0.37121	1.05E-16
7.61E-09	-0.44008	1.53E-23	-0.36183	6.83E-16	-0.40607	5.75E-20	-0.42908	2.43E-22
1.36E-05	-0.19842	1.56E-05	-0.27052	2.83E-09	-0.26127	1.00E-08	-0.37125	1.04E-16
0.00412	-0.26121	1.01E-08	-0.20345	9.36E-06	-0.22893	5.71E-07	0.07614	0.10031
1.97E-06	-0.43021	1.84E-22	-0.28527	3.40E-10	-0.33754	6.59E-14	-0.31937	1.56E-12
1.53E-06	0.234713	2.89E-07	0.36306	5.37E-16	0.286972	2.65E-10	0.553736	7.04E-39
7.81E-05	-0.21529	2.66E-06	-0.28363	4.33E-10	-0.22722	6.97E-07	-0.30536	1.55E-11
3.88E-26	-0.33	2.51E-13	-0.51477	5.86E-33	-0.51734	2.52E-33	-0.61762	1.86E-50
0.00037	-0.29569	7.07E-11	-0.42818	3.03E-22	-0.34987	6.81E-15	-0.20165	1.13E-05
0.00011	-0.07939	0.0866	-0.17428	0.00015	-0.17335	0.00017	-0.37135	1.02E-16
1.77E-10	-0.23461	2.93E-07	-0.20917	5.15E-06	-0.29127	1.39E-10	-0.33653	7.90E-14
8.97E-08	-0.32014	1.37E-12	-0.41752	4.00E-21	-0.39831	3.31E-19	-0.24519	8.03E-08
2.11E-42	-0.27568	1.37E-09	-0.39883	2.95E-19	-0.5161	3.78E-33	-0.29973	3.78E-11
6.40E-10	-0.29003	1.67E-10	-0.35505	2.55E-15	-0.34811	9.47E-15	-0.32699	4.24E-13
2.28E-08	-0.37056	1.20E-16	-0.39602	5.50E-19	-0.38682	4.07E-18	-0.39265	1.15E-18
3.90E-14	0.011733	0.80036	-0.24932	4.76E-08	-0.23796	1.96E-07	-0.46729	1.04E-26
6.05E-39	-0.19403	2.42E-05	-0.26658	4.87E-09	-0.44962	1.28E-24	-0.47838	4.42E-28
0.00033	-0.26554	5.61E-09	-0.31489	3.30E-12	-0.31922	1.60E-12	-0.05792	0.21156
1.39E-17	-0.19198	2.96E-05	-0.4092	2.80E-20	-0.38001	1.72E-17	-0.47002	4.84E-27
0.54901	0.209209	5.13E-06	0.079619	0.08567	0.031004	0.5039	-0.34334	2.29E-14
3.06E-05	-0.29469	8.25E-11	-0.32616	4.89E-13	-0.31584	2.81E-12	-0.50941	3.34E-32
9.19E-05	-0.01077	0.81639	-0.20268	1.01E-05	-0.1937	2.50E-05	-0.30524	1.58E-11
2.02E-23	0.447948	1.99E-24	0.393128	1.04E-18	0.525779	1.49E-34	0.360805	8.36E-16
6.55E-30	0.408274	3.47E-20	0.514884	5.64E-33	0.560914	4.68E-40	0.332777	1.54E-13
4.31E-17	-0.15952	0.00054	-0.23788	1.98E-07	-0.32362	7.58E-13	-0.40142	1.65E-19
8.97E-08	0.113164	0.01441	0.299446	3.95E-11	0.288927	1.98E-10	0.388256	2.99E-18
4.67E-11	-0.07444	0.10816	-0.26484	6.17E-09	-0.25903	1.35E-08	-0.41475	7.69E-21
2.42E-12	-0.12497	0.00685	-0.23993	1.54E-07	-0.25718	1.72E-08	-0.59417	6.62E-46
0.16881	0.092651	0.04538	-0.15533	0.00076	-0.05164	0.26543	-0.36184	6.82E-16
6.67E-38	-0.33614	8.46E-14	-0.51447	6.45E-33	-0.55491	4.54E-39	-0.54125	6.75E-37
0.1139	-0.0841	0.06941	-0.13464	0.00356	-0.10738	0.02028	-0.27749	1.06E-09
5.22E-11	-0.2631	7.81E-09	-0.30204	2.63E-11	-0.32044	1.30E-12	-0.30997	7.39E-12
0.24544	0.026723	0.56459	-0.04129	0.3733	-0.05658	0.22234	-0.22413	9.94E-07
0.09702	-0.15484	0.00079	0.177713	0.00011	0.043809	0.34485	0.456812	1.87E-25
7.91E-05	-0.24188	1.21E-07	-0.19961	1.39E-05	-0.22489	9.11E-07	-0.20128	1.17E-05

3.61E-09	-0.26331	7.60E-09	-0.20696	6.50E-06	-0.29865	4.48E-11	-0.30626	1.34E-11
0.28917	-0.13978	0.00247	-0.12947	0.00508	-0.15866	0.00058	-0.42421	8.01E-22
1.72E-21	-0.27514	1.48E-09	-0.43422	6.76E-23	-0.45024	1.09E-24	-0.58651	1.69E-44
1.48E-31	-0.20973	4.85E-06	-0.32745	3.92E-13	-0.43835	2.38E-23	-0.37646	3.59E-17
1.25E-20	-0.23276	3.65E-07	-0.41936	2.58E-21	-0.43622	4.09E-23	-0.58318	6.74E-44
7.10E-06	-0.38116	1.35E-17	-0.23756	2.05E-07	-0.30958	7.87E-12	-0.357	1.75E-15
3.49E-08	-0.27606	1.30E-09	-0.25494	2.31E-08	-0.31717	2.25E-12	-0.39665	4.79E-19
4.35E-16	-0.41469	7.79E-21	-0.43992	1.59E-23	-0.48647	4.08E-29	-0.60529	5.12E-48
5.17E-17	-0.25114	3.78E-08	-0.29234	1.18E-10	-0.37583	4.09E-17	-0.49348	4.93E-30
0.06824	0.012361	0.78992	-0.0397	0.392	-0.07422	0.10922	-0.35377	3.25E-15
3.35E-11	-0.3298	2.60E-13	-0.34862	8.61E-15	-0.40532	6.82E-20	-0.39305	1.06E-18
1.84E-15	-0.14301	0.00195	-0.33932	4.77E-14	-0.40295	1.17E-19	-0.31956	1.51E-12
2.37E-05	-0.09223	0.04637	-0.16467	0.00035	-0.15341	0.00088	-0.41626	5.38E-21
6.20E-21	-0.21907	1.76E-06	-0.45867	1.13E-25	-0.4394	1.82E-23	-0.46855	7.33E-27
1.23E-06	-0.11486	0.013	-0.25044	4.13E-08	-0.22535	8.65E-07	-0.39886	2.93E-19
4.73E-13	-0.11293	0.01462	-0.42324	1.01E-21	-0.34846	8.87E-15	-0.4711	3.58E-27
1.54E-16	-0.32797	3.58E-13	-0.41474	7.71E-21	-0.46833	7.80E-27	-0.53987	1.10E-36
2.28E-28	-0.3722	8.60E-17	-0.50101	4.80E-31	-0.54553	1.44E-37	-0.64366	5.54E-56
2.99E-06	-0.24255	1.11E-07	-0.24656	6.76E-08	-0.27376	1.79E-09	-0.27061	2.79E-09
6.67E-12	-0.31092	6.33E-12	-0.54414	2.39E-37	-0.48375	9.17E-29	-0.20356	9.26E-06
6.14E-44	-0.36252	5.97E-16	-0.55574	3.32E-39	-0.59768	1.46E-46	-0.53647	3.68E-36
0.0021	-0.1334	0.00388	-0.37805	2.59E-17	-0.28791	2.30E-10	-0.42943	2.23E-22
1.38E-34	0.292403	1.17E-10	0.502906	2.64E-31	0.539877	1.10E-36	0.370965	1.11E-16
2.39E-20	-0.22733	6.88E-07	-0.42307	1.06E-21	-0.42593	5.27E-22	-0.59471	5.26E-46
0.00015	-0.28911	1.92E-10	-0.36407	4.39E-16	-0.35475	2.70E-15	-0.32386	7.28E-13
0.80849	-0.05718	0.21743	0.219757	1.63E-06	0.094121	0.04205	0.282508	5.11E-10
0.38247	-0.24616	7.11E-08	-0.23486	2.84E-07	-0.16519	0.00034	-0.33682	7.50E-14
9.03E-26	0.330105	2.47E-13	0.185094	5.72E-05	0.447907	2.01E-24	0.358327	1.35E-15
0.00494	0.0035	0.93986	-0.17048	0.00021	0.000972	0.98329	-0.05482	0.23703
0.0008	0.251485	3.61E-08	0.295164	7.67E-11	0.232905	3.58E-07	0.409909	2.38E-20
1.04E-17	-0.24196	1.20E-07	-0.39012	2.00E-18	-0.40923	2.78E-20	-0.49895	9.13E-31
3.93E-32	-0.31247	4.91E-12	-0.4903	1.29E-29	-0.51334	9.33E-33	-0.50775	5.67E-32
1.07E-31	-0.3712	1.05E-16	-0.45705	1.75E-25	-0.52448	2.31E-34	-0.37328	6.91E-17
2.62E-05	-0.0401	0.38728	-0.1157	0.01235	-0.12897	0.00525	-0.39029	1.92E-18
2.19E-14	-0.18164	7.89E-05	-0.28668	2.76E-10	-0.32813	3.48E-13	-0.39669	4.74E-19
0.01492	-0.19783	1.66E-05	-0.24939	4.72E-08	-0.22066	1.47E-06	-0.39349	9.60E-19
3.00E-15	-0.18648	5.02E-05	-0.38729	3.68E-18	-0.41044	2.10E-20	-0.44403	5.53E-24
7.19E-15	0.31207	5.24E-12	0.457113	1.72E-25	0.424306	7.83E-22	0.263742	7.16E-09
5.02E-16	-0.1596	0.00054	-0.31915	1.62E-12	-0.34378	2.11E-14	-0.44775	2.09E-24
6.56E-13	0.303353	2.14E-11	0.35032	6.26E-15	0.354445	2.86E-15	0.257327	1.69E-08
6.98E-09	-0.23723	2.14E-07	-0.26817	3.91E-09	-0.29203	1.24E-10	-0.5519	1.39E-38
1.11E-14	-0.2622	8.83E-09	-0.37027	1.27E-16	-0.40556	6.47E-20	-0.31619	2.65E-12
6.54E-10	-0.1067	0.02109	-0.22789	6.45E-07	-0.31613	2.68E-12	-0.04798	0.30079
8.63E-15	-0.38089	1.43E-17	-0.22719	7.00E-07	-0.35796	1.45E-15	-0.36357	4.85E-16
1.22E-09	-0.32476	6.23E-13	-0.24983	4.46E-08	-0.32635	4.74E-13	-0.26906	3.46E-09

9.14E-11	-0.10634	0.02154	-0.19359	2.53E-05	-0.23697	2.20E-07	-0.42145	1.56E-21
0.0068	-0.22473	9.28E-07	-0.19087	3.30E-05	-0.1819	7.70E-05	-0.27895	8.56E-10
1.51E-17	-0.43152	1.33E-22	-0.41727	4.24E-21	-0.46476	2.11E-26	-0.46513	1.91E-26
6.30E-08	0.208681	5.42E-06	0.239528	1.62E-07	0.284934	3.58E-10	0.43905	1.99E-23
6.53E-18	-0.23101	4.48E-07	-0.41412	8.92E-21	-0.39778	3.72E-19	-0.50219	3.32E-31
1.07E-09	-0.22976	5.19E-07	-0.39061	1.80E-18	-0.37735	2.99E-17	-0.32583	5.19E-13
0.01238	-0.24923	4.82E-08	-0.23055	4.73E-07	-0.19471	2.27E-05	-0.37062	1.19E-16
7.98E-24	-0.23959	1.60E-07	-0.3734	6.74E-17	-0.43077	1.60E-22	-0.56202	3.07E-40
1.74E-16	-0.19942	1.41E-05	-0.30932	8.21E-12	-0.35347	3.44E-15	-0.47839	4.40E-28
1.33E-10	0.055898	0.22795	-0.16385	0.00038	-0.16465	0.00035	-0.31425	3.67E-12
3.86E-15	-0.15094	0.00107	-0.27596	1.31E-09	-0.32872	3.14E-13	-0.52165	5.98E-34
4.87E-23	-0.21223	3.71E-06	-0.40369	9.90E-20	-0.39315	1.03E-18	-0.38458	6.55E-18
1.91E-11	-0.18403	6.32E-05	-0.26463	6.35E-09	-0.2625	8.48E-09	-0.18612	5.19E-05
1.49E-15	-0.20513	7.87E-06	-0.3345	1.13E-13	-0.3687	1.75E-16	-0.48164	1.71E-28
2.51E-48	-0.50889	3.94E-32	-0.57381	3.03E-42	-0.68042	9.11E-65	-0.55325	8.45E-39
0.00221	-0.12587	0.00646	-0.19205	2.94E-05	-0.17729	0.00012	-0.53023	3.24E-35
1.19E-34	-0.4025	1.29E-19	-0.54105	7.24E-37	-0.57713	7.99E-43	-0.47732	6.00E-28
0.03313	0.098568	0.03321	0.035134	0.44878	0.010123	0.82729	-0.18334	6.74E-05
2.40E-26	-0.19218	2.90E-05	-0.44663	2.81E-24	-0.44366	6.09E-24	-0.52302	3.77E-34
0.85479	-0.13287	0.00402	-0.17827	0.00011	-0.1327	0.00407	-0.33952	4.61E-14
0.79139	-0.08382	0.07036	-0.15453	0.00081	-0.07637	0.0993	-0.41168	1.58E-20
9.74E-10	-0.17731	0.00012	-0.27074	2.74E-09	-0.30333	2.15E-11	-0.4328	9.64E-23
1.09E-10	-0.44954	1.31E-24	-0.51469	6.01E-33	-0.48314	1.10E-28	-0.50511	1.32E-31
2.15E-24	-0.17333	0.00017	-0.40858	3.24E-20	-0.44162	1.03E-23	-0.35675	1.84E-15
1.81E-34	-0.44047	1.39E-23	-0.45749	1.56E-25	-0.55394	6.54E-39	-0.41116	1.78E-20
1.42E-05	-0.11751	0.01104	-0.17928	9.80E-05	-0.20983	4.80E-06	-0.26775	4.15E-09
2.85E-22	-0.37516	4.70E-17	-0.36264	5.83E-16	-0.45513	2.95E-25	-0.67532	1.79E-63
8.69E-22	-0.05721	0.21716	-0.36671	2.60E-16	-0.35724	1.67E-15	-0.16566	0.00032
0.00015	0.057692	0.21334	0.257235	1.71E-08	0.245499	7.72E-08	0.152316	0.00096
5.46E-13	0.279228	8.22E-10	0.155304	0.00076	0.27464	1.58E-09	0.3403	4.00E-14
2.59E-07	-0.21401	3.06E-06	-0.19628	1.94E-05	-0.28148	5.93E-10	-0.406	5.84E-20
4.66E-06	-0.13236	0.00417	-0.23873	1.78E-07	-0.20779	5.96E-06	-0.2941	9.03E-11
4.05E-14	-0.27371	1.81E-09	-0.36058	8.73E-16	-0.38174	1.20E-17	-0.53148	2.10E-35
2.20E-12	-0.11423	0.01351	-0.3009	3.15E-11	-0.28952	1.81E-10	-0.49046	1.23E-29
6.91E-13	-0.29301	1.07E-10	-0.36264	5.82E-16	-0.36875	1.73E-16	-0.43065	1.65E-22
1.76E-05	-0.15243	0.00095	-0.1703	0.00022	-0.24249	1.12E-07	-0.25836	1.47E-08
0.00357	-0.09436	0.04152	-0.21732	2.13E-06	-0.17867	0.0001	-0.20738	6.22E-06
0.00011	-0.26699	4.60E-09	-0.24296	1.06E-07	-0.2297	5.23E-07	-0.42493	6.72E-22
0.00109	-0.02684	0.56288	-0.1415	0.00218	-0.13428	0.00365	-0.26663	4.83E-09
5.01E-07	-0.12376	0.00742	-0.27931	8.12E-10	-0.27849	9.14E-10	-0.36881	1.71E-16
0.26197	-0.06235	0.17859	-0.23063	4.69E-07	-0.08763	0.05845	-0.2598	1.22E-08
2.32E-10	-0.25292	3.00E-08	-0.35554	2.32E-15	-0.32213	9.78E-13	-0.51477	5.86E-33
1.37E-31	-0.28048	6.87E-10	-0.48393	8.68E-29	-0.50348	2.20E-31	-0.56655	5.31E-41
4.31E-09	-0.35983	1.01E-15	-0.40489	7.53E-20	-0.37923	2.02E-17	-0.41478	7.64E-21
9.85E-08	-0.16399	0.00037	-0.21158	3.98E-06	-0.25771	1.60E-08	-0.32271	8.86E-13

5.65E-13	-0.23197	4.01E-07	-0.30601	1.40E-11	-0.34554	1.53E-14	-0.38986	2.11E-18
0.00523	0.006493	0.8887	-0.0712	0.12442	-0.07969	0.08541	-0.3039	1.96E-11
1.47E-05	-0.19968	1.38E-05	-0.16709	0.00029	-0.18988	3.63E-05	-0.39814	3.44E-19
8.98E-20	-0.43225	1.11E-22	-0.51137	1.77E-32	-0.55246	1.13E-38	-0.41265	1.26E-20
1.88E-13	-0.07802	0.09216	-0.27314	1.96E-09	-0.27206	2.28E-09	-0.46239	4.08E-26
5.67E-06	-0.26423	6.71E-09	-0.2492	4.84E-08	-0.26786	4.08E-09	-0.36284	5.61E-16
0.00087	0.015216	0.74294	-0.00667	0.88565	-0.05561	0.23037	-0.35242	4.20E-15
2.62E-32	-0.20573	7.40E-06	-0.42518	6.32E-22	-0.45396	4.03E-25	-0.61137	3.31E-49
8.84E-15	-0.18047	8.79E-05	-0.34157	3.17E-14	-0.33401	1.24E-13	-0.20761	6.08E-06
4.00E-25	-0.24451	8.74E-08	-0.41642	5.18E-21	-0.43993	1.59E-23	-0.38297	9.22E-18
6.28E-07	-0.12579	0.00649	-0.33187	1.81E-13	-0.25416	2.56E-08	-0.49911	8.69E-31
4.23E-11	-0.18909	3.91E-05	-0.41193	1.49E-20	-0.36486	3.76E-16	-0.13212	0.00423
1.74E-09	-0.13837	0.00273	-0.33522	9.99E-14	-0.31494	3.27E-12	-0.41905	2.78E-21
6.28E-08	-0.18757	4.53E-05	-0.23357	3.31E-07	-0.2586	1.43E-08	-0.4294	2.25E-22
8.62E-22	-0.25472	2.38E-08	-0.43208	1.15E-22	-0.43102	1.51E-22	-0.6171	2.37E-50
4.21E-13	-0.28815	2.22E-10	-0.40955	2.59E-20	-0.4208	1.83E-21	-0.53566	4.90E-36
2.82E-14	0.212445	3.63E-06	0.110851	0.01655	0.260904	1.05E-08	0.501521	4.09E-31
0.00039	0.324993	5.99E-13	0.467006	1.13E-26	0.340455	3.89E-14	0.233426	3.37E-07
3.50E-05	-0.08777	0.05805	-0.09156	0.04798	-0.14859	0.00128	-0.49457	3.53E-30
9.64E-13	0.497807	1.30E-30	0.363155	5.27E-16	0.42343	9.68E-22	0.405968	5.89E-20
1.11E-08	-0.20748	6.16E-06	-0.2977	5.19E-11	-0.31716	2.26E-12	-0.35132	5.18E-15
0.14727	-0.10674	0.02106	0.033179	0.47443	-0.02404	0.60438	-0.35014	6.47E-15
1.12E-16	0.421414	1.57E-21	0.669599	4.74E-62	0.579251	3.38E-43	0.367716	2.13E-16
1.82E-10	0.042896	0.355	-0.07842	0.09049	-0.13417	0.00367	-0.50522	1.27E-31
3.93E-18	-0.22739	6.84E-07	-0.36155	7.22E-16	-0.39866	3.06E-19	-0.35008	6.55E-15
3.52E-10	-0.35873	1.25E-15	-0.37006	1.33E-16	-0.40245	1.31E-19	-0.37458	5.29E-17
4.26E-11	-0.27784	1.00E-09	-0.32219	9.67E-13	-0.3776	2.84E-17	-0.47624	8.21E-28
2.85E-47	-0.3324	1.65E-13	-0.60422	8.25E-48	-0.61169	2.86E-49	-0.59052	3.13E-45
5.05E-19	-0.34513	1.65E-14	-0.44897	1.52E-24	-0.48648	4.08E-29	-0.39445	7.78E-19
0.86976	-0.03146	0.49764	-0.089	0.05462	-0.01239	0.78936	-0.19154	3.09E-05
0.00208	-0.0202	0.66331	-0.3268	4.38E-13	-0.2037	9.13E-06	-0.19857	1.54E-05
2.43E-52	-0.60654	2.94E-48	-0.63432	6.12E-54	-0.73802	1.81E-81	-0.42899	2.49E-22
1.48E-22	-0.3375	6.63E-14	-0.40569	6.27E-20	-0.45378	4.23E-25	-0.56105	4.45E-40
4.29E-22	-0.52061	8.47E-34	-0.67658	8.65E-64	-0.64377	5.22E-56	-0.26902	3.48E-09
1.54E-24	-0.23022	4.92E-07	-0.43476	5.91E-23	-0.4462	3.15E-24	-0.4376	2.88E-23
0.00286	-0.17896	0.0001	-0.25183	3.46E-08	-0.20545	7.62E-06	-0.47382	1.64E-27
3.65E-14	-0.17895	0.0001	-0.33217	1.71E-13	-0.34371	2.14E-14	-0.43126	1.42E-22
3.04E-13	-0.17543	0.00014	-0.37801	2.61E-17	-0.34446	1.86E-14	-0.50912	3.66E-32
2.99E-26	-0.23628	2.39E-07	-0.46851	7.41E-27	-0.48892	1.96E-29	-0.28932	1.86E-10
3.04E-06	-0.13367	0.00381	-0.31656	2.50E-12	-0.27674	1.18E-09	-0.00094	0.98392
5.70E-16	-0.10397	0.02465	-0.31503	3.22E-12	-0.33452	1.13E-13	-0.38777	3.32E-18
1.46E-17	0.363317	5.10E-16	0.45129	8.22E-25	0.461531	5.17E-26	0.504222	1.75E-31
1.92E-20	-0.24732	6.14E-08	-0.46979	5.17E-27	-0.4589	1.06E-25	-0.4664	1.34E-26
6.92E-12	-0.14597	0.00156	-0.2889	1.98E-10	-0.30922	8.34E-12	-0.48141	1.83E-28
0.05442	0.102913	0.02615	-0.13237	0.00416	-0.05995	0.19595	0.001179	0.97972

5.11E-19	-0.22846	6.04E-07	-0.50806	5.14E-32	-0.43007	1.90E-22	-0.25132	3.69E-08
0.00035	0.038428	0.40738	-0.29739	5.44E-11	-0.21225	3.71E-06	-0.37474	5.11E-17
2.14E-25	-0.33506	1.03E-13	-0.46764	9.47E-27	-0.50749	6.17E-32	-0.6141	9.49E-50
0.49275	-0.19343	2.57E-05	-0.09982	0.03103	-0.11544	0.01254	-0.34763	1.04E-14
1.34E-07	-0.14531	0.00164	-0.24955	4.63E-08	-0.27293	2.02E-09	-0.4215	1.54E-21
1.63E-20	-0.16192	0.00044	-0.36186	6.79E-16	-0.393	1.07E-18	-0.4226	1.18E-21
1.69E-35	-0.33228	1.68E-13	-0.51763	2.28E-33	-0.57342	3.54E-42	-0.17175	0.00019
4.87E-09	-0.21606	2.45E-06	-0.48261	1.28E-28	-0.40066	1.96E-19	-0.22062	1.48E-06
5.07E-23	-0.24561	7.62E-08	-0.41636	5.26E-21	-0.42172	1.46E-21	-0.53232	1.57E-35
1.30E-10	-0.19739	1.74E-05	-0.29015	1.64E-10	-0.32758	3.83E-13	-0.44377	5.92E-24
1.34E-31	-0.49732	1.51E-30	-0.57141	7.89E-42	-0.61087	4.15E-49	-0.46156	5.13E-26
1.33E-22	-0.33325	1.42E-13	-0.47172	2.99E-27	-0.48131	1.88E-28	-0.43542	5.00E-23
5.82E-24	-0.30293	2.29E-11	-0.45112	8.60E-25	-0.49393	4.29E-30	-0.47866	4.08E-28
1.91E-17	-0.24095	1.36E-07	-0.43506	5.48E-23	-0.40641	5.32E-20	-0.34277	2.54E-14
5.88E-05	-0.22307	1.12E-06	-0.2187	1.83E-06	-0.22532	8.67E-07	-0.20995	4.74E-06
0.00128	-0.23817	1.91E-07	-0.23674	2.27E-07	-0.20459	8.33E-06	-0.37453	5.35E-17
9.31E-08	-0.29976	3.76E-11	-0.47859	4.15E-28	-0.39883	2.95E-19	-0.27316	1.95E-09
2.33E-39	-0.33375	1.30E-13	-0.49355	4.81E-30	-0.5397	1.17E-36	-0.4147	7.78E-21
6.48E-21	-0.15274	0.00093	-0.36541	3.37E-16	-0.3493	7.58E-15	-0.39757	3.90E-19
4.12E-18	-0.19054	3.40E-05	-0.34029	4.00E-14	-0.35784	1.49E-15	-0.63096	3.20E-53
2.62E-26	0.356516	1.92E-15	0.405361	6.76E-20	0.423637	9.20E-22	0.317563	2.11E-12
8.23E-08	0.234397	3.00E-07	0.471559	3.14E-27	0.37468	5.18E-17	0.291021	1.44E-10
6.77E-22	0.42998	1.95E-22	0.386999	3.91E-18	0.465983	1.51E-26	0.499489	7.71E-31
0.03397	-0.2104	4.52E-06	-0.24832	5.41E-08	-0.25862	1.42E-08	-0.16679	0.00029
0.0001	-0.2343	3.04E-07	-0.30752	1.10E-11	-0.29346	9.95E-11	-0.28758	2.41E-10
9.72E-09	-0.22935	5.44E-07	-0.54116	6.96E-37	-0.38915	2.47E-18	-0.47045	4.30E-27
5.82E-07	-0.23172	4.12E-07	-0.34049	3.86E-14	-0.33572	9.13E-14	-0.30795	1.02E-11
3.46E-08	-0.33751	6.62E-14	-0.3334	1.38E-13	-0.36054	8.80E-16	-0.42905	2.45E-22
2.38E-30	-0.21431	2.96E-06	-0.46949	5.62E-27	-0.48169	1.68E-28	-0.46401	2.61E-26
0.00024	-0.12321	0.00768	-0.22169	1.31E-06	-0.239	1.72E-07	-0.17592	0.00013
8.33E-35	-0.41801	3.55E-21	-0.57733	7.36E-43	-0.57813	5.33E-43	-0.58228	9.78E-44
5.24E-41	0.555333	3.88E-39	0.440465	1.39E-23	0.56038	5.74E-40	0.260755	1.07E-08
0.00782	-0.08281	0.07381	-0.05918	0.20179	-0.10938	0.01805	-0.17423	0.00015
2.29E-08	-0.14135	0.0022	-0.33772	6.38E-14	-0.2905	1.56E-10	-0.45428	3.70E-25
0.00038	0.024808	0.59282	0.214448	2.92E-06	0.152797	0.00092	0.613957	1.01E-49
1.21E-08	-0.07881	0.08891	-0.21098	4.25E-06	-0.22135	1.36E-06	-0.42818	3.03E-22
1.09E-13	-0.2113	4.10E-06	-0.431	1.51E-22	-0.40028	2.13E-19	-0.26642	4.98E-09
7.02E-13	-0.32008	1.38E-12	-0.4401	1.52E-23	-0.43704	3.32E-23	-0.50103	4.77E-31
1.35E-22	-0.26702	4.58E-09	-0.40375	9.76E-20	-0.44408	5.46E-24	-0.53684	3.23E-36
8.20E-10	-0.07224	0.11901	-0.33884	5.21E-14	-0.29413	8.98E-11	-0.42718	3.88E-22
7.65E-08	-0.31908	1.64E-12	-0.5102	2.59E-32	-0.42982	2.02E-22	-0.30403	1.92E-11
2.85E-06	-0.0768	0.09741	-0.26491	6.11E-09	-0.25005	4.34E-08	-0.53235	1.55E-35
5.10E-42	-0.39781	3.70E-19	-0.62769	1.57E-52	-0.65361	3.07E-58	-0.52716	9.28E-35
9.73E-43	-0.30025	3.48E-11	-0.55713	1.97E-39	-0.57199	6.25E-42	-0.39392	8.73E-19
5.65E-05	-0.11077	0.01664	-0.29105	1.44E-10	-0.23228	3.86E-07	-0.26767	4.19E-09

4.12E-05	-0.08764	0.05843	-0.31785	2.01E-12	-0.23746	2.08E-07	-0.1509	0.00107
1.84E-35	-0.44017	1.49E-23	-0.5896	4.63E-45	-0.62423	8.26E-52	-0.4376	2.88E-23
0.30031	0.098844	0.03272	-0.02514	0.58794	-0.00013	0.99773	-0.35059	5.95E-15
0.00517	-0.21733	2.13E-06	-0.22371	1.04E-06	-0.20667	6.70E-06	-0.40604	5.80E-20
4.63E-14	-0.36929	1.55E-16	-0.39699	4.44E-19	-0.41997	2.22E-21	-0.53685	3.22E-36
5.68E-11	-0.07199	0.12027	-0.21662	2.30E-06	-0.23165	4.16E-07	-0.46137	5.40E-26
1.58E-16	-0.30472	1.72E-11	-0.36525	3.48E-16	-0.41285	1.20E-20	-0.35226	4.33E-15
1.12E-33	0.303792	1.99E-11	0.339139	4.93E-14	0.460006	7.85E-26	0.591857	1.78E-45
5.92E-14	-0.12112	0.00879	-0.33869	5.35E-14	-0.32029	1.34E-12	-0.43263	1.01E-22
1.82E-19	-0.15064	0.00109	-0.36645	2.74E-16	-0.38422	7.08E-18	-0.54828	5.29E-38
2.44E-31	-0.31887	1.70E-12	-0.53549	5.20E-36	-0.54687	8.86E-38	-0.42816	3.05E-22
1.47E-13	-0.25348	2.79E-08	-0.44739	2.30E-24	-0.41278	1.22E-20	-0.48629	4.31E-29
2.48E-07	-0.10192	0.02764	-0.29175	1.29E-10	-0.28414	4.02E-10	-0.30993	7.43E-12
0.9517	-0.00888	0.84828	-0.09286	0.04489	-0.03442	0.45803	-0.28862	2.07E-10
3.21E-12	-0.38408	7.30E-18	-0.35682	1.81E-15	-0.38256	1.01E-17	-0.43878	2.13E-23
0.18003	-0.22776	6.55E-07	-0.24011	1.50E-07	-0.20908	5.20E-06	-0.24643	6.87E-08
2.59E-06	-0.35116	5.34E-15	-0.31529	3.08E-12	-0.35106	5.44E-15	-0.38903	2.53E-18
0.00081	-0.09946	0.03164	-0.10239	0.02692	-0.03428	0.45994	0.620295	5.32E-51
1.09E-35	-0.24075	1.39E-07	-0.31196	5.34E-12	-0.44685	2.66E-24	-0.37776	2.74E-17
1.37E-05	-0.42703	4.02E-22	-0.34523	1.62E-14	-0.35837	1.34E-15	-0.32929	2.85E-13
1.82E-16	0.436925	3.42E-23	0.370289	1.27E-16	0.440415	1.40E-23	0.486943	3.54E-29
6.68E-24	-0.25279	3.05E-08	-0.47572	9.53E-28	-0.46015	7.55E-26	-0.24451	8.74E-08
5.92E-12	-0.18721	4.69E-05	-0.33636	8.14E-14	-0.34818	9.35E-15	-0.20042	1.28E-05
5.49E-10	-0.3742	5.72E-17	-0.35974	1.03E-15	-0.37341	6.72E-17	-0.50218	3.33E-31
1.88E-22	-0.25656	1.87E-08	-0.39363	9.30E-19	-0.4205	1.96E-21	-0.4519	6.99E-25
4.05E-07	-0.15089	0.00107	-0.20559	7.51E-06	-0.23511	2.76E-07	-0.44096	1.22E-23
1.77E-06	-0.27603	1.30E-09	-0.26453	6.44E-09	-0.29179	1.28E-10	-0.36079	8.38E-16
0.60851	-0.20977	4.83E-06	-0.1839	6.40E-05	-0.14144	0.00219	-0.32541	5.57E-13
3.84E-47	-0.32645	4.66E-13	-0.55618	2.82E-39	-0.59343	9.12E-46	-0.58252	8.86E-44
3.81E-16	-0.12956	0.00505	-0.4359	4.43E-23	-0.41658	4.99E-21	-0.29221	1.20E-10
6.92E-19	0.279598	7.80E-10	0.421334	1.61E-21	0.426426	4.67E-22	0.429795	2.04E-22
9.20E-41	-0.32179	1.03E-12	-0.45262	5.77E-25	-0.51445	6.50E-33	-0.46391	2.68E-26
3.14E-36	-0.30307	2.23E-11	-0.51785	2.12E-33	-0.53103	2.46E-35	-0.54768	6.60E-38
5.57E-32	-0.3538	3.23E-15	-0.44108	1.18E-23	-0.51367	8.37E-33	-0.50846	4.53E-32
3.68E-06	0.011807	0.79912	-0.12071	0.00903	-0.14238	0.00204	-0.28284	4.87E-10
6.64E-17	-0.29698	5.80E-11	-0.39035	1.90E-18	-0.41478	7.63E-21	-0.45402	3.97E-25
0.20187	-0.042	0.36515	-0.11096	0.01645	0.005908	0.89868	-0.29738	5.44E-11
0.00566	-0.12989	0.00493	-0.28562	3.23E-10	-0.22439	9.65E-07	-0.23252	3.75E-07
2.50E-08	0.087087	0.06004	0.357255	1.67E-15	0.285363	3.36E-10	0.236483	2.34E-07
1.01E-08	0.202555	1.03E-05	0.39292	1.09E-18	0.326762	4.41E-13	0.340616	3.77E-14
0.53717	-0.20262	1.02E-05	-0.23994	1.54E-07	-0.18049	8.77E-05	-0.27605	1.30E-09
1.59E-11	-0.21145	4.04E-06	-0.46224	4.25E-26	-0.40138	1.67E-19	-0.13484	0.00351
8.00E-13	-0.2161	2.44E-06	-0.4385	2.29E-23	-0.37422	5.69E-17	-0.29076	1.50E-10
0.18584	-0.00409	0.92976	-0.17423	0.00015	-0.06303	0.17388	-0.21891	1.79E-06
3.39E-09	-0.03787	0.41424	-0.32171	1.05E-12	-0.24425	9.03E-08	-0.43098	1.52E-22

5.62E-10	-0.40016	2.19E-19	-0.27125	2.55E-09	-0.3541	3.05E-15	-0.41812	3.46E-21
6.07E-37	-0.43678	3.54E-23	-0.60111	3.26E-47	-0.6218	2.62E-51	-0.32042	1.31E-12
0.34898	-0.04726	0.3081	-0.16348	0.00039	-0.09442	0.04141	-0.15515	0.00077
1.63E-09	0.018745	0.68619	-0.27705	1.13E-09	-0.22017	1.55E-06	-0.50938	3.36E-32
0.00094	-0.08945	0.0534	-0.25393	2.63E-08	-0.17917	9.90E-05	-0.41707	4.44E-21
6.52E-07	-0.35361	3.35E-15	-0.42759	3.51E-22	-0.36006	9.66E-16	-0.22246	1.20E-06
0.03139	0.153863	0.00085	0.028265	0.54232	0.048326	0.29734	-0.50795	5.33E-32
1.97E-27	0.289318	1.86E-10	0.423714	9.03E-22	0.480227	2.58E-28	0.388597	2.78E-18
1.62E-11	-0.24571	7.52E-08	-0.31698	2.33E-12	-0.33251	1.61E-13	-0.59011	3.73E-45
1.42E-26	-0.3724	8.27E-17	-0.46318	3.28E-26	-0.51495	5.52E-33	-0.48397	8.57E-29
6.39E-23	-0.30888	8.81E-12	-0.41607	5.63E-21	-0.44208	9.15E-24	-0.44116	1.16E-23
3.31E-39	0.432954	9.29E-23	0.431109	1.47E-22	0.537982	2.16E-36	0.499332	8.10E-31
4.98E-24	-0.32807	3.52E-13	-0.45231	6.26E-25	-0.4924	6.84E-30	-0.43934	1.85E-23
8.19E-14	-0.19699	1.81E-05	-0.33078	2.19E-13	-0.33698	7.29E-14	-0.30124	2.98E-11
2.34E-15	-0.123	0.00779	-0.3458	1.46E-14	-0.33754	6.58E-14	-0.35143	5.08E-15
2.74E-07	-0.15125	0.00104	-0.1846	5.99E-05	-0.22338	1.08E-06	-0.4198	2.32E-21
0.49023	-0.11142	0.016	-0.09034	0.05107	-0.07015	0.13006	-0.18059	8.70E-05
1.39E-19	-0.48796	2.62E-29	-0.50254	2.96E-31	-0.54868	4.57E-38	-0.49965	7.33E-31
0.01395	0.002843	0.95115	-0.04807	0.29989	-0.10436	0.02411	-0.29297	1.07E-10
3.26E-17	0.306057	1.39E-11	0.344817	1.75E-14	0.415411	6.58E-21	0.575752	1.39E-42
1.26E-21	0.284538	3.79E-10	0.414432	8.28E-21	0.444676	4.68E-24	0.412278	1.37E-20
8.73E-05	-0.34275	2.56E-14	-0.34085	3.61E-14	-0.32678	4.40E-13	-0.38865	2.75E-18
8.05E-06	-0.22511	8.89E-07	-0.23913	1.70E-07	-0.22975	5.20E-07	-0.52902	4.91E-35
1.77E-14	-0.17987	9.28E-05	-0.39666	4.78E-19	-0.39976	2.39E-19	-0.37282	7.58E-17
8.71E-05	0.119619	0.00967	0.186517	5.00E-05	0.203584	9.24E-06	0.582013	1.09E-43
3.12E-07	-0.12165	0.0085	-0.24839	5.36E-08	-0.23252	3.75E-07	-0.47415	1.50E-27
2.51E-13	0.310843	6.41E-12	0.360249	9.31E-16	0.384693	6.40E-18	0.257841	1.58E-08
9.76E-15	-0.23697	2.20E-07	-0.38599	4.85E-18	-0.36667	2.62E-16	-0.16556	0.00033
5.20E-36	-0.4607	6.49E-26	-0.58815	8.53E-45	-0.64339	6.36E-56	-0.51165	1.62E-32
0.00344	-0.06361	0.16997	0.123505	0.00754	0.06096	0.18849	0.550075	2.74E-38
0.02348	-0.02283	0.62269	-0.20274	1.01E-05	-0.12857	0.0054	-0.41602	5.70E-21
3.75E-23	0.461028	5.93E-26	0.498655	1.00E-30	0.535044	6.08E-36	0.540001	1.05E-36
0.7511	-0.41028	2.18E-20	-0.29548	7.30E-11	-0.28399	4.11E-10	-0.28879	2.02E-10
1.44E-13	-0.14209	0.00208	-0.38597	4.88E-18	-0.36599	3.00E-16	-0.23662	2.30E-07
0.00058	-0.27255	2.13E-09	-0.28307	4.70E-10	-0.29173	1.29E-10	-0.26677	4.75E-09
9.05E-13	-0.15188	0.00099	-0.35302	3.75E-15	-0.37292	7.43E-17	-0.26151	9.68E-09
2.12E-15	-0.20934	5.06E-06	-0.40157	1.60E-19	-0.38295	9.26E-18	-0.42789	3.26E-22
5.21E-23	-0.14325	0.00191	-0.42491	6.75E-22	-0.42161	1.50E-21	-0.34808	9.53E-15
1.89E-10	-0.28927	1.88E-10	-0.26786	4.08E-09	-0.31506	3.21E-12	-0.38972	2.18E-18
6.83E-17	-0.21125	4.13E-06	-0.42428	7.87E-22	-0.42362	9.25E-22	-0.48713	3.35E-29
1.29E-05	-0.17634	0.00013	-0.2011	1.19E-05	-0.21854	1.86E-06	-0.36058	8.74E-16
3.26E-05	-0.18519	5.67E-05	-0.24905	4.93E-08	-0.25847	1.45E-08	-0.24625	7.03E-08
1.87E-40	-0.21968	1.64E-06	-0.44514	4.15E-24	-0.49956	7.54E-31	-0.34726	1.11E-14
0.02348	-0.04448	0.33752	-0.11114	0.01627	-0.08522	0.06576	-0.22321	1.10E-06
1.86E-07	-0.03269	0.48103	-0.2524	3.21E-08	-0.2552	2.23E-08	-0.3575	1.59E-15

0.76812	-0.25853	1.44E-08	-0.29672	6.03E-11	-0.20137	1.16E-05	-0.34297	2.46E-14
4.50E-12	-0.20052	1.26E-05	-0.08061	0.08184	-0.28435	3.90E-10	-0.35303	3.75E-15
3.01E-25	-0.28667	2.76E-10	-0.40855	3.26E-20	-0.45166	7.44E-25	-0.55414	6.05E-39
0.49385	-0.10754	0.0201	-0.21552	2.60E-06	-0.13572	0.0033	-0.18789	4.39E-05
1.46E-23	-0.42658	4.49E-22	-0.41998	2.22E-21	-0.51109	1.94E-32	-0.45387	4.13E-25
0.13478	0.076185	0.1001	-0.26394	6.97E-09	-0.13453	0.00358	-0.29686	5.91E-11
4.57E-26	-0.2542	2.54E-08	-0.41322	1.10E-20	-0.46902	6.44E-27	-0.41803	3.54E-21
5.49E-12	-0.31621	2.65E-12	-0.41523	6.87E-21	-0.39927	2.67E-19	-0.38311	8.95E-18
2.54E-22	-0.39695	4.48E-19	-0.38786	3.25E-18	-0.45929	9.54E-26	-0.55837	1.23E-39
1.67E-15	0.167601	0.00027	0.440161	1.50E-23	0.423392	9.77E-22	0.216628	2.30E-06
2.06E-12	-0.0469	0.3118	-0.23777	2.00E-07	-0.26996	3.05E-09	-0.39588	5.67E-19
2.94E-06	0.19667	1.86E-05	0.158935	0.00057	0.200341	1.29E-05	0.364047	4.42E-16
2.43E-07	-0.27918	8.28E-10	-0.23761	2.04E-07	-0.28024	7.11E-10	-0.44445	4.96E-24
1.31E-21	-0.30256	2.42E-11	-0.52053	8.71E-34	-0.49522	2.89E-30	-0.54483	1.86E-37
3.27E-16	-0.32523	5.75E-13	-0.44244	8.33E-24	-0.42444	7.57E-22	-0.40091	1.85E-19
2.49E-10	-0.22796	6.40E-07	-0.37756	2.86E-17	-0.32238	9.36E-13	-0.32856	3.23E-13
1.11E-15	-0.11737	0.01114	-0.30652	1.29E-11	-0.33574	9.10E-14	-0.53761	2.46E-36
3.20E-20	-0.19667	1.86E-05	-0.43748	2.97E-23	-0.41558	6.32E-21	-0.47951	3.18E-28
0.3044	-0.3284	3.32E-13	-0.15609	0.00071	-0.14498	0.00168	-0.40922	2.79E-20
2.36E-18	-0.3221	9.83E-13	-0.48399	8.52E-29	-0.51018	2.60E-32	-0.32661	4.54E-13
3.24E-28	-0.42001	2.21E-21	-0.54688	8.82E-38	-0.55882	1.04E-39	-0.58657	1.65E-44
0.36238	0.013436	0.77213	-0.02412	0.60315	0.013935	0.76391	-0.19201	2.95E-05
9.21E-11	-0.12188	0.00837	-0.20439	8.50E-06	-0.2393	1.66E-07	-0.58845	7.52E-45
1.26E-09	-0.19413	2.40E-05	-0.26879	3.59E-09	-0.26137	9.87E-09	-0.06678	0.14965
1.63E-21	-0.23136	4.30E-07	-0.39816	3.42E-19	-0.43338	8.34E-23	-0.50398	1.89E-31
1.21E-16	-0.29852	4.56E-11	-0.37871	2.25E-17	-0.42044	1.99E-21	-0.45156	7.66E-25
9.25E-32	-0.32278	8.75E-13	-0.4978	1.30E-30	-0.54055	8.66E-37	-0.5604	5.69E-40
9.32E-35	-0.27534	1.44E-09	-0.48272	1.24E-28	-0.51915	1.38E-33	-0.57047	1.14E-41
2.18E-21	-0.3027	2.37E-11	-0.43729	3.12E-23	-0.43934	1.85E-23	-0.58886	6.32E-45
0.71832	0.074144	0.10956	-0.01205	0.79509	0.050225	0.27875	-0.38855	2.80E-18
6.48E-35	-0.28337	4.50E-10	-0.48638	4.19E-29	-0.52041	9.06E-34	-0.60742	1.98E-48
6.48E-15	-0.17993	9.24E-05	-0.35152	4.99E-15	-0.35043	6.13E-15	-0.39507	6.79E-19
2.48E-14	-0.17065	0.00021	-0.26189	9.20E-09	-0.33062	2.25E-13	-0.53462	7.05E-36
1.78E-15	-0.2762	1.27E-09	-0.34026	4.03E-14	-0.36869	1.75E-16	-0.33096	2.12E-13
2.37E-33	-0.34342	2.26E-14	-0.54927	3.68E-38	-0.54362	2.88E-37	-0.49806	1.20E-30
1.28E-30	-0.33431	1.17E-13	-0.40412	8.96E-20	-0.49012	1.37E-29	-0.56239	2.66E-40
4.91E-44	0.382032	1.12E-17	0.550391	2.44E-38	0.592987	1.10E-45	0.504239	1.74E-31
0.08186	-0.13283	0.00403	-0.45381	4.20E-25	-0.26096	1.04E-08	-0.35001	6.63E-15
9.11E-11	-0.22792	6.43E-07	-0.41705	4.47E-21	-0.36777	2.10E-16	-0.52128	6.77E-34
2.64E-22	-0.22374	1.04E-06	-0.43296	9.28E-23	-0.43379	7.52E-23	-0.5873	1.22E-44
0.07282	-0.32139	1.11E-12	-0.35987	1.00E-15	-0.26535	5.76E-09	-0.42366	9.15E-22
1.33E-08	-0.10916	0.01829	-0.18426	6.19E-05	-0.20402	8.83E-06	-0.36953	1.48E-16
6.84E-13	-0.1292	0.00517	-0.3126	4.80E-12	-0.28791	2.30E-10	-0.04415	0.34105
2.71E-05	-0.3336	1.33E-13	-0.3507	5.83E-15	-0.34391	2.06E-14	-0.21456	2.89E-06
0.00503	-0.18589	5.31E-05	-0.14603	0.00155	-0.1582	0.0006	-0.49888	9.32E-31



7.98E-14	-0.20326	9.55E-06	-0.41072	1.97E-20	-0.38707	3.85E-18	-0.04496	0.33226
6.34E-15	-0.24846	5.32E-08	-0.3423	2.78E-14	-0.36649	2.72E-16	-0.22813	6.28E-07
1.01E-07	-0.38749	3.52E-18	-0.4485	1.72E-24	-0.39047	1.85E-18	-0.09514	0.03986
0.42434	-0.04771	0.30352	-0.20264	1.02E-05	-0.10709	0.02063	-0.18629	5.11E-05
6.02E-06	-0.14911	0.00123	-0.43511	5.41E-23	-0.3619	6.75E-16	-0.3852	5.75E-18
7.12E-10	-0.03219	0.48768	-0.24156	1.26E-07	-0.23244	3.79E-07	-0.39842	3.23E-19
2.42E-20	-0.22163	1.32E-06	-0.4943	3.83E-30	-0.45102	8.84E-25	-0.40756	4.09E-20
1.55E-27	-0.36441	4.11E-16	-0.57702	8.35E-43	-0.58143	1.39E-43	-0.49466	3.43E-30
3.46E-23	-0.33502	1.03E-13	-0.56664	5.13E-41	-0.52734	8.73E-35	-0.21405	3.05E-06
1.11E-06	-0.3021	2.61E-11	-0.39558	6.07E-19	-0.38931	2.38E-18	-0.23452	2.96E-07
5.77E-26	-0.10156	0.0282	-0.31009	7.24E-12	-0.38227	1.07E-17	-0.38025	1.63E-17
1.62E-20	-0.21631	2.38E-06	-0.37994	1.74E-17	-0.42874	2.64E-22	-0.56551	7.97E-41
1.76E-15	0.160833	0.00048	0.374891	4.96E-17	0.324285	6.76E-13	0.427092	3.96E-22
8.98E-15	-0.30409	1.90E-11	-0.40621	5.57E-20	-0.39823	3.37E-19	-0.34949	7.32E-15
2.85E-21	-0.38541	5.50E-18	-0.45372	4.30E-25	-0.50852	4.44E-32	-0.24814	5.54E-08
1.56E-36	-0.34582	1.45E-14	-0.56439	1.23E-40	-0.58221	1.01E-43	-0.54639	1.06E-37
1.11E-20	-0.27772	1.02E-09	-0.412	1.46E-20	-0.44363	6.13E-24	-0.53335	1.10E-35
1.01E-33	-0.39559	6.05E-19	-0.58624	1.90E-44	-0.5909	2.68E-45	-0.33856	5.48E-14
2.48E-15	-0.31294	4.54E-12	-0.47591	9.03E-28	-0.42044	1.99E-21	-0.29201	1.24E-10
0.10876	0.043136	0.35231	0.003785	0.93498	0.047742	0.30323	-0.24059	1.42E-07
3.49E-08	-0.19684	1.83E-05	-0.22197	1.27E-06	-0.26698	4.61E-09	-0.52048	8.85E-34
0.16913	-0.24894	5.00E-08	-0.23774	2.01E-07	-0.20885	5.33E-06	-0.53296	1.26E-35
8.92E-28	-0.28991	1.70E-10	-0.66055	7.26E-60	-0.605	5.83E-48	-0.2635	7.40E-09
3.36E-10	-0.30104	3.08E-11	-0.3503	6.28E-15	-0.35882	1.23E-15	-0.39248	1.20E-18
8.42E-15	-0.36669	2.61E-16	-0.41333	1.07E-20	-0.4376	2.88E-23	-0.44797	1.98E-24
0.06612	-0.30645	1.30E-11	-0.33498	1.04E-13	-0.28423	3.97E-10	-0.3235	7.74E-13
0.00115	-0.27015	2.97E-09	-0.44407	5.48E-24	-0.35351	3.41E-15	-0.25799	1.55E-08
7.77E-13	-0.29904	4.21E-11	-0.35658	1.90E-15	-0.42498	6.64E-22	-0.16566	0.00032
0.00101	-0.3664	2.77E-16	-0.27044	2.86E-09	-0.29147	1.35E-10	-0.34458	1.83E-14
1.13E-06	-0.23206	3.96E-07	-0.26565	5.53E-09	-0.29481	8.09E-11	-0.29199	1.24E-10
4.15E-16	0.366432	2.75E-16	0.440127	1.51E-23	0.477078	6.44E-28	0.575502	1.54E-42
1.34E-17	-0.20848	5.54E-06	-0.37477	5.08E-17	-0.40604	5.79E-20	-0.43298	9.22E-23
0.95546	-0.13222	0.00421	-0.17957	9.54E-05	-0.12328	0.00765	-0.11396	0.01374
0.00057	0.149446	0.0012	0.224912	9.09E-07	0.200872	1.22E-05	0.469754	5.23E-27
5.86E-36	0.481745	1.65E-28	0.500538	5.56E-31	0.603877	9.62E-48	0.381936	1.15E-17
2.88E-16	-0.37283	7.57E-17	-0.4613	5.51E-26	-0.49871	9.82E-31	-0.47936	3.32E-28
3.35E-12	-0.28146	5.95E-10	-0.40798	3.72E-20	-0.39832	3.30E-19	-0.47893	3.76E-28
0.00301	-0.12401	0.0073	-0.21079	4.33E-06	-0.18547	5.52E-05	-0.28906	1.94E-10
8.01E-09	-0.25027	4.22E-08	-0.40132	1.69E-19	-0.34433	1.91E-14	-0.24847	5.31E-08
3.52E-15	-0.24118	1.32E-07	-0.356	2.12E-15	-0.40776	3.90E-20	-0.46753	9.77E-27
7.10E-17	-0.30147	2.88E-11	-0.4132	1.11E-20	-0.4335	8.10E-23	-0.30623	1.35E-11
2.15E-24	-0.39734	4.11E-19	-0.45833	1.24E-25	-0.51787	2.11E-33	-0.44776	2.09E-24
0.00023	-0.16357	0.00039	-0.19684	1.83E-05	-0.18574	5.39E-05	-0.33732	6.86E-14
2.85E-06	-0.12265	0.00797	-0.19156	3.08E-05	-0.2106	4.42E-06	-0.2624	8.58E-09
0.00146	0.3294	2.79E-13	0.235101	2.76E-07	0.287637	2.40E-10	0.44221	8.85E-24

2.93E-13	-0.18824	4.25E-05	-0.37543	4.44E-17	-0.3379	6.17E-14	-0.35384	3.21E-15
3.81E-31	-0.2739	1.76E-09	-0.51893	1.49E-33	-0.50443	1.64E-31	-0.40498	7.37E-20
1.99E-08	-0.18998	3.59E-05	-0.28257	5.06E-10	-0.29062	1.53E-10	-0.34723	1.12E-14
5.88E-06	-0.24996	4.39E-08	-0.275	1.51E-09	-0.29058	1.54E-10	-0.29515	7.69E-11
0.00059	0.184202	6.22E-05	-0.02298	0.62038	-0.02452	0.59715	-0.27545	1.41E-09
3.36E-22	-0.35021	6.39E-15	-0.49446	3.64E-30	-0.5173	2.54E-33	-0.53853	1.78E-36
7.81E-38	0.374176	5.75E-17	0.50557	1.14E-31	0.571422	7.84E-42	0.585594	2.48E-44
3.55E-16	-0.26529	5.81E-09	-0.39143	1.50E-18	-0.38936	2.36E-18	-0.56992	1.42E-41
0.98138	-0.01578	0.73373	-0.07267	0.11683	-0.03744	0.4196	-0.18237	7.38E-05
3.07E-09	0.048366	0.29694	-0.21148	4.02E-06	-0.15785	0.00062	-0.39994	2.30E-19
1.24E-06	-0.18307	6.91E-05	-0.37391	6.07E-17	-0.27789	9.97E-10	-0.55411	6.13E-39
1.56E-07	-0.35343	3.47E-15	-0.43481	5.84E-23	-0.38091	1.42E-17	-0.54614	1.16E-37
5.96E-42	-0.39396	8.67E-19	-0.48486	6.60E-29	-0.56836	2.62E-41	-0.42177	1.45E-21
2.31E-16	-0.17748	0.00012	-0.26693	4.64E-09	-0.35663	1.88E-15	-0.33746	6.68E-14
0.23891	-0.02328	0.61582	-0.02326	0.61611	-0.04022	0.3858	-0.32302	8.39E-13
0.016	-0.12512	0.00678	-0.19106	3.24E-05	-0.14952	0.00119	-0.28713	2.58E-10
6.39E-10	-0.20673	6.66E-06	-0.28944	1.83E-10	-0.30354	2.07E-11	-0.43989	1.61E-23
2.99E-13	-0.21945	1.68E-06	-0.33053	2.29E-13	-0.3445	1.85E-14	-0.5264	1.20E-34
1.47E-07	-0.16414	0.00037	-0.22384	1.03E-06	-0.25184	3.45E-08	-0.3822	1.08E-17
5.69E-32	-0.34293	2.47E-14	-0.49216	7.35E-30	-0.52184	5.61E-34	-0.53254	1.46E-35
7.46E-08	0.439899	1.60E-23	0.419578	2.45E-21	0.395141	6.68E-19	0.39262	1.16E-18
5.20E-18	0.370374	1.25E-16	0.314124	3.74E-12	0.421779	1.44E-21	0.476824	6.93E-28
1.74E-28	-0.10398	0.02463	-0.40785	3.82E-20	-0.42348	9.57E-22	-0.35371	3.29E-15
2.87E-09	-0.24846	5.32E-08	-0.31496	3.26E-12	-0.32047	1.29E-12	-0.51593	4.00E-33
2.14E-09	-0.16412	0.00037	-0.32927	2.86E-13	-0.30927	8.27E-12	-0.40999	2.33E-20
0.84177	-0.20017	1.31E-05	-0.21942	1.69E-06	-0.16633	0.00031	-0.40541	6.69E-20
1.38E-25	-0.11596	0.01216	-0.17087	0.00021	-0.31624	2.63E-12	-0.46359	2.92E-26
3.19E-28	-0.26651	4.91E-09	-0.32409	7.00E-13	-0.4106	2.03E-20	-0.52334	3.39E-34
1.21E-06	-0.10808	0.01948	-0.21197	3.82E-06	-0.25484	2.34E-08	-0.47422	1.47E-27
0.00658	0.190004	3.58E-05	0.290621	1.53E-10	0.216282	2.39E-06	0.426924	4.13E-22
1.51E-11	0.294856	8.04E-11	0.398652	3.07E-19	0.381727	1.20E-17	0.300786	3.20E-11
6.33E-28	0.269783	3.13E-09	0.394897	7.05E-19	0.499576	7.51E-31	0.337444	6.70E-14
5.61E-14	-0.17271	0.00018	-0.32278	8.75E-13	-0.35151	4.99E-15	-0.53009	3.40E-35
1.34E-17	-0.29633	6.41E-11	-0.34415	1.98E-14	-0.38384	7.66E-18	-0.5623	2.75E-40
3.96E-26	-0.38305	9.06E-18	-0.47001	4.86E-27	-0.50407	1.83E-31	-0.51906	1.42E-33
1.39E-15	-0.15634	0.0007	-0.53271	1.37E-35	-0.41049	2.08E-20	-0.43165	1.29E-22
2.17E-15	-0.22581	8.20E-07	-0.41276	1.23E-20	-0.38559	5.28E-18	-0.48114	1.97E-28
2.24E-11	-0.31083	6.42E-12	-0.39211	1.30E-18	-0.40065	1.96E-19	-0.25154	3.58E-08
0.00038	-0.13783	0.00284	-0.51028	2.52E-32	-0.33809	5.96E-14	-0.20779	5.96E-06
0.58238	-0.17311	0.00017	-0.27256	2.12E-09	-0.14844	0.0013	-0.22415	9.91E-07
1.05E-06	-0.2992	4.11E-11	-0.42691	4.14E-22	-0.38021	1.65E-17	-0.44041	1.41E-23
2.07E-05	-0.33489	1.06E-13	-0.32273	8.83E-13	-0.31934	1.57E-12	-0.24884	5.06E-08
0.07935	-0.39001	2.05E-18	-0.15855	0.00058	-0.12723	0.0059	-0.13683	0.00305
1.67E-05	-0.24027	1.47E-07	-0.32624	4.83E-13	-0.29558	7.19E-11	-0.31112	6.12E-12
4.92E-23	-0.29839	4.66E-11	-0.4444	5.02E-24	-0.46839	7.67E-27	-0.52375	2.96E-34

0.12653	-0.2968	5.96E-11	-0.39761	3.87E-19	-0.26111	1.02E-08	-0.21683	2.25E-06
1.99E-05	-0.18104	8.34E-05	-0.2361	2.45E-07	-0.24227	1.15E-07	-0.22543	8.56E-07
1.11E-38	-0.36882	1.70E-16	-0.53529	5.58E-36	-0.58832	7.95E-45	-0.59397	7.24E-46
2.43E-25	-0.3906	1.80E-18	-0.5174	2.47E-33	-0.55899	9.73E-40	-0.56677	4.87E-41
6.57E-22	0.454947	3.09E-25	0.430454	1.73E-22	0.495838	2.39E-30	0.420039	2.19E-21
0.00213	-0.18932	3.83E-05	-0.11703	0.01138	-0.15183	0.001	-0.48712	3.36E-29
1.97E-18	-0.2534	2.82E-08	-0.38956	2.26E-18	-0.39941	2.59E-19	-0.38396	7.48E-18
4.28E-19	-0.39689	4.54E-19	-0.44867	1.65E-24	-0.48362	9.52E-29	-0.45308	5.10E-25
4.44E-14	-0.17791	0.00011	-0.38177	1.19E-17	-0.34354	2.21E-14	-0.48893	1.95E-29
7.57E-17	-0.16344	0.00039	-0.34376	2.12E-14	-0.37164	9.64E-17	-0.59398	7.20E-46
1.16E-13	-0.25824	1.50E-08	-0.3079	1.03E-11	-0.33139	1.97E-13	-0.41382	9.57E-21
6.58E-06	-0.11921	0.00992	-0.20317	9.64E-06	-0.24717	6.26E-08	-0.21093	4.27E-06
0.00049	0.137203	0.00297	-0.23892	1.74E-07	-0.16995	0.00022	-0.19463	2.28E-05
3.23E-09	-0.38399	7.42E-18	-0.32352	7.72E-13	-0.36549	3.32E-16	-0.35845	1.32E-15
6.27E-29	0.573844	2.99E-42	0.564291	1.28E-40	0.603561	1.11E-47	0.369886	1.38E-16
0.03576	-0.36326	5.16E-16	-0.1421	0.00208	-0.18543	5.54E-05	-0.29337	1.01E-10
2.48E-22	-0.19949	1.40E-05	-0.3744	5.49E-17	-0.40991	2.38E-20	-0.58639	1.78E-44
3.03E-14	-0.1849	5.83E-05	-0.12818	0.00554	-0.30453	1.77E-11	-0.18946	3.78E-05
1.14E-44	-0.40415	8.91E-20	-0.54743	7.23E-38	-0.59486	4.93E-46	-0.5183	1.83E-33
1.10E-13	-0.28987	1.71E-10	-0.35299	3.77E-15	-0.37589	4.04E-17	-0.13653	0.00311
6.53E-19	0.328143	3.47E-13	0.287274	2.53E-10	0.444424	4.99E-24	0.262489	8.49E-09
2.73E-05	-0.16868	0.00025	-0.45393	4.07E-25	-0.35427	2.96E-15	-0.08318	0.07251
8.19E-05	-0.06979	0.13209	-0.2298	5.17E-07	-0.17464	0.00015	-0.46615	1.44E-26
1.55E-08	-0.07071	0.12702	-0.1318	0.00433	-0.21527	2.67E-06	-0.45363	4.41E-25
8.02E-21	-0.18076	8.56E-05	-0.36048	8.90E-16	-0.39261	1.16E-18	-0.52302	3.79E-34
0.02158	-0.03385	0.46554	-0.09101	0.04935	-0.11373	0.01393	-0.4051	7.18E-20
1.81E-07	-0.16501	0.00034	-0.27562	1.38E-09	-0.25552	2.14E-08	-0.31876	1.73E-12
1.14E-13	-0.19366	2.51E-05	-0.30722	1.15E-11	-0.32829	3.39E-13	-0.2833	4.55E-10
0.23757	0.000116	0.998	-0.19001	3.58E-05	-0.07211	0.11969	-0.1837	6.52E-05
7.45E-18	-0.21134	4.09E-06	-0.40688	4.78E-20	-0.38517	5.78E-18	-0.33631	8.21E-14
1.92E-08	0.485594	5.30E-29	0.479413	3.27E-28	0.455427	2.72E-25	0.308375	9.56E-12
2.66E-28	-0.38324	8.70E-18	-0.46161	5.06E-26	-0.50658	8.25E-32	-0.43289	9.44E-23
0.42419	-0.15326	0.00089	-0.10366	0.02508	-0.05385	0.24549	-0.29398	9.20E-11
3.80E-11	0.04103	0.37634	-0.31111	6.14E-12	-0.22739	6.84E-07	-0.45269	5.67E-25
0.00294	0.141549	0.00217	0.19255	2.80E-05	0.17319	0.00017	0.293188	1.04E-10
2.46E-15	0.373715	6.31E-17	0.275251	1.45E-09	0.378866	2.18E-17	0.48713	3.35E-29
0.00049	0.047737	0.30328	0.045118	0.33061	0.099681	0.03126	0.429852	2.01E-22
1.29E-23	-0.2987	4.44E-11	-0.48293	1.17E-28	-0.48755	2.95E-29	-0.51276	1.13E-32
2.28E-06	-0.16854	0.00025	-0.32299	8.44E-13	-0.26566	5.52E-09	-0.39023	1.95E-18
0.0179	0.212175	3.73E-06	0.246719	6.62E-08	0.221121	1.40E-06	0.479373	3.31E-28
3.94E-34	-0.23152	4.22E-07	-0.30716	1.16E-11	-0.4096	2.56E-20	-0.2161	2.44E-06
4.20E-17	0.164164	0.00037	0.288765	2.02E-10	0.298933	4.28E-11	0.465177	1.89E-26
1.98E-12	-0.15052	0.0011	-0.21053	4.46E-06	-0.25995	1.19E-08	-0.23424	3.06E-07
7.35E-09	0.007845	0.86573	-0.08244	0.07511	-0.14845	0.00129	-0.16332	0.00039
8.21E-08	0.112207	0.01527	-0.09774	0.03471	-0.10946	0.01797	-0.1844	6.11E-05

4.35E-06	-0.15323	0.00089	-0.18118	8.23E-05	-0.19784	1.66E-05	-0.29396	9.22E-11
4.69E-19	-0.24194	1.20E-07	-0.27425	1.67E-09	-0.37781	2.72E-17	-0.30955	7.91E-12
2.06E-12	-0.21753	2.08E-06	-0.31403	3.80E-12	-0.33245	1.63E-13	-0.37355	6.53E-17
0.00127	-0.00442	0.9241	-0.07402	0.11015	-0.06952	0.13359	-0.33678	7.55E-14
0.64507	0.062021	0.1809	0.01695	0.71486	0.010342	0.82361	-0.2388	1.77E-07
9.20E-12	0.013206	0.77592	0.057129	0.21785	0.166801	0.00029	0.378776	2.22E-17
3.21E-10	-0.22398	1.01E-06	-0.3169	2.36E-12	-0.34355	2.21E-14	-0.25917	1.32E-08
1.13E-16	-0.34407	2.00E-14	-0.28957	1.80E-10	-0.38558	5.30E-18	-0.37321	7.00E-17
7.14E-19	-0.28029	7.05E-10	-0.33406	1.23E-13	-0.39368	9.20E-19	-0.54215	4.88E-37
2.96E-16	-0.2472	6.24E-08	-0.34862	8.61E-15	-0.3881	3.09E-18	-0.55389	6.65E-39
1.03E-07	-0.09841	0.0335	-0.25163	3.54E-08	-0.22274	1.16E-06	-0.5483	5.25E-38
4.49E-08	-0.21292	3.45E-06	-0.19144	3.12E-05	-0.2588	1.39E-08	-0.52221	4.96E-34
8.74E-11	-0.15141	0.00103	-0.2402	1.49E-07	-0.29383	9.41E-11	-0.38438	6.84E-18
9.03E-14	-0.19804	1.63E-05	-0.29089	1.47E-10	-0.32136	1.11E-12	-0.49765	1.37E-30
0.00023	-0.1924	2.84E-05	-0.19628	1.94E-05	-0.20533	7.71E-06	-0.47542	1.04E-27
8.52E-20	-0.19578	2.04E-05	-0.40205	1.43E-19	-0.40368	9.90E-20	-0.54112	7.08E-37
9.54E-22	-0.2271	7.07E-07	-0.36923	1.57E-16	-0.38733	3.64E-18	-0.2535	2.79E-08
0.01128	-0.08823	0.05674	-0.25384	2.66E-08	-0.16956	0.00023	-0.20313	9.69E-06
1.01E-14	-0.20644	6.87E-06	-0.33511	1.02E-13	-0.35235	4.26E-15	-0.48999	1.42E-29
3.23E-23	-0.2533	2.86E-08	-0.46232	4.16E-26	-0.46336	3.12E-26	-0.34098	3.53E-14
1.56E-09	0.040789	0.37915	-0.19381	2.47E-05	-0.18464	5.97E-05	-0.27669	1.18E-09
0.05139	0.176247	0.00013	-0.0443	0.33946	0.003306	0.94319	-0.33714	7.07E-14
2.94E-16	0.464344	2.38E-26	0.420613	1.91E-21	0.501909	3.62E-31	0.499846	6.90E-31
2.08E-08	-0.3378	6.29E-14	-0.44279	7.62E-24	-0.37089	1.12E-16	-0.40165	1.57E-19
0.43583	-0.1772	0.00012	-0.26242	8.56E-09	-0.10745	0.0202	-0.13441	0.00361
1.22E-09	-0.16858	0.00025	-0.35585	2.19E-15	-0.32463	6.37E-13	-0.31399	3.82E-12
0.00541	-0.12321	0.00769	-0.09793	0.03437	-0.1045	0.02393	-0.38044	1.57E-17
1.54E-05	-0.142	0.0021	-0.16705	0.00029	-0.17032	0.00022	-0.34467	1.80E-14
1.32E-44	-0.29988	3.69E-11	-0.47492	1.20E-27	-0.57554	1.51E-42	-0.38876	2.68E-18
2.17E-18	0.328546	3.24E-13	0.235779	2.54E-07	0.3495	7.30E-15	0.380322	1.61E-17
7.88E-15	0.049879	0.28207	0.135227	0.00341	0.204558	8.35E-06	0.447469	2.26E-24
4.33E-07	-0.26272	8.22E-09	-0.34629	1.33E-14	-0.33492	1.05E-13	-0.37589	4.04E-17
4.82E-18	0.203368	9.45E-06	0.284947	3.57E-10	0.335627	9.28E-14	0.592325	1.46E-45
0.09661	-0.21739	2.12E-06	-0.11149	0.01593	-0.13566	0.00331	-0.44076	1.29E-23
0.01496	-0.15435	0.00082	-0.15827	0.0006	-0.16612	0.00031	-0.3926	1.16E-18
3.72E-12	-0.04296	0.35431	-0.26075	1.07E-08	-0.25378	2.68E-08	-0.48956	1.62E-29
3.44E-16	-0.26842	3.78E-09	-0.35264	4.04E-15	-0.40206	1.43E-19	-0.43278	9.71E-23
2.72E-06	-0.34263	2.61E-14	-0.49069	1.15E-29	-0.42952	2.18E-22	-0.35292	3.82E-15
0.00351	-0.09082	0.04983	-0.34216	2.85E-14	-0.24453	8.72E-08	-0.24341	1.00E-07
0.02097	-0.29728	5.53E-11	-0.25105	3.82E-08	-0.2303	4.87E-07	-0.2869	2.67E-10
5.60E-14	-0.29397	9.21E-11	-0.58787	9.61E-45	-0.45995	7.97E-26	-0.26468	6.31E-09
0.00024	-0.4147	7.77E-21	-0.31365	4.04E-12	-0.33093	2.13E-13	-0.32228	9.52E-13
3.04E-12	-0.17124	0.0002	-0.35624	2.03E-15	-0.3509	5.61E-15	-0.46846	7.54E-27
1.50E-10	-0.16269	0.00042	-0.10816	0.01939	-0.24594	7.31E-08	-0.31236	5.00E-12
2.17E-12	-0.04728	0.30791	-0.36419	4.29E-16	-0.29591	6.84E-11	-0.41819	3.41E-21

0.14913	-0.29023	1.62E-10	-0.26219	8.84E-09	-0.2367	2.28E-07	-0.36799	2.01E-16
5.59E-38	-0.28579	3.15E-10	-0.4874	3.09E-29	-0.52154	6.21E-34	-0.55836	1.24E-39
3.11E-08	-0.14632	0.00152	-0.33357	1.34E-13	-0.3112	6.05E-12	-0.27412	1.70E-09
1.16E-11	-0.17951	9.60E-05	-0.23827	1.88E-07	-0.2882	2.20E-10	-0.55685	2.19E-39
6.01E-05	-0.02163	0.64098	-0.21303	3.40E-06	-0.18608	5.21E-05	-0.23598	2.48E-07
3.37E-23	-0.2388	1.77E-07	-0.36833	1.88E-16	-0.42005	2.18E-21	-0.4992	8.43E-31
3.56E-07	-0.02073	0.65504	-0.33662	7.77E-14	-0.3122	5.13E-12	-0.2149	2.78E-06
4.08E-41	-0.37755	2.86E-17	-0.6289	8.70E-53	-0.64798	5.92E-57	-0.5236	3.10E-34
7.85E-19	-0.20062	1.25E-05	-0.45186	7.07E-25	-0.41262	1.27E-20	-0.30474	1.71E-11
0.03521	-0.13282	0.00404	-0.28797	2.28E-10	-0.2196	1.66E-06	-0.14418	0.00179
1.17E-25	-0.24833	5.41E-08	-0.41446	8.24E-21	-0.46165	5.00E-26	-0.56153	3.70E-40
5.91E-23	-0.22281	1.15E-06	-0.36454	4.00E-16	-0.39376	9.05E-19	-0.67986	1.26E-64
6.75E-37	-0.33691	7.38E-14	-0.44273	7.75E-24	-0.54519	1.64E-37	-0.42369	9.08E-22
2.16E-12	-0.20609	7.12E-06	-0.35394	3.15E-15	-0.347	1.17E-14	-0.49813	1.18E-30
1.22E-20	-0.215	2.75E-06	-0.38953	2.27E-18	-0.40305	1.14E-19	-0.5975	1.58E-46
1.47E-11	-0.16268	0.00042	-0.479	3.68E-28	-0.37377	6.25E-17	-0.4327	9.88E-23
1.84E-34	-0.4063	5.46E-20	-0.58228	9.78E-44	-0.61304	1.55E-49	-0.55492	4.52E-39
0.00012	-0.08224	0.07583	-0.22413	9.94E-07	-0.19672	1.85E-05	-0.26307	7.85E-09
2.33E-15	-0.34146	3.24E-14	-0.36057	8.76E-16	-0.39751	3.95E-19	-0.3883	2.96E-18
3.71E-08	-0.16878	0.00025	-0.26904	3.47E-09	-0.26972	3.16E-09	-0.36368	4.75E-16
3.69E-06	-0.23691	2.22E-07	-0.22994	5.08E-07	-0.24527	7.95E-08	-0.36072	8.49E-16
1.17E-43	-0.40548	6.58E-20	-0.515	5.42E-33	-0.61775	1.75E-50	-0.50478	1.46E-31
1.11E-07	-0.10316	0.0258	-0.18382	6.45E-05	-0.21079	4.33E-06	-0.41074	1.96E-20
8.43E-20	-0.18817	4.28E-05	-0.39163	1.44E-18	-0.41237	1.34E-20	-0.49819	1.16E-30
1.64E-15	-0.36682	2.55E-16	-0.45651	2.03E-25	-0.48936	1.72E-29	-0.31603	2.73E-12
1.83E-22	-0.12386	0.00737	-0.36899	1.65E-16	-0.38342	8.38E-18	-0.33574	9.10E-14
2.03E-26	-0.14766	0.00137	-0.38953	2.27E-18	-0.39871	3.03E-19	-0.54562	1.40E-37
0.03619	-0.21837	1.90E-06	-0.1154	0.01258	-0.08167	0.0779	-0.23964	1.59E-07
2.04E-21	-0.20336	9.45E-06	-0.36671	2.60E-16	-0.3947	7.37E-19	-0.61259	1.90E-49
0.00105	-0.12572	0.00652	-0.19661	1.88E-05	-0.17169	0.00019	-0.21547	2.61E-06
6.03E-20	-0.13206	0.00425	-0.34651	1.28E-14	-0.35746	1.60E-15	-0.44482	4.50E-24
1.18E-16	-0.11014	0.01727	-0.33087	2.16E-13	-0.32726	4.05E-13	-0.50551	1.16E-31
7.20E-05	0.023173	0.61743	-0.17068	0.00021	-0.16778	0.00027	-0.27493	1.52E-09
5.50E-12	-0.34122	3.38E-14	-0.53899	1.51E-36	-0.47309	2.03E-27	-0.3338	1.28E-13
4.14E-17	-0.44739	2.30E-24	-0.46129	5.51E-26	-0.50819	4.93E-32	-0.36742	2.26E-16
0.01029	-0.17081	0.00021	-0.19645	1.91E-05	-0.18819	4.27E-05	-0.40161	1.58E-19
0.0018	0.006066	0.89598	-0.00656	0.88764	0.054945	0.23598	-0.36267	5.80E-16
7.70E-16	-0.36782	2.08E-16	-0.5448	1.88E-37	-0.53841	1.85E-36	-0.51678	3.02E-33
2.76E-16	-0.25469	2.38E-08	-0.37227	8.49E-17	-0.39376	9.05E-19	-0.48173	1.66E-28
4.75E-09	-0.2084	5.59E-06	-0.26678	4.73E-09	-0.28521	3.43E-10	-0.23848	1.84E-07
2.44E-32	-0.25877	1.39E-08	-0.5097	3.04E-32	-0.51674	3.07E-33	-0.5689	2.12E-41
1.04E-08	-0.11935	0.00984	-0.33136	1.98E-13	-0.32188	1.02E-12	-0.31475	3.37E-12
2.57E-17	-0.18269	7.16E-05	-0.42826	2.98E-22	-0.40189	1.48E-19	-0.47988	2.86E-28
8.27E-16	-0.03534	0.44607	-0.2728	2.05E-09	-0.27	3.04E-09	-0.46858	7.27E-27
0.0006	-0.11116	0.01625	-0.2817	5.75E-10	-0.2246	9.42E-07	-0.43492	5.67E-23

7.95E-12	-0.26142	9.79E-09	-0.39653	4.92E-19	-0.3804	1.58E-17	-0.31366	4.03E-12
2.57E-14	-0.19967	1.38E-05	-0.35068	5.85E-15	-0.35614	2.07E-15	-0.4847	6.92E-29
6.84E-14	0.037901	0.41384	-0.28192	5.57E-10	-0.24932	4.76E-08	-0.44827	1.83E-24
2.32E-20	-0.15891	0.00057	-0.49619	2.14E-30	-0.4648	2.09E-26	-0.16785	0.00027
7.17E-34	-0.50673	7.87E-32	-0.64638	1.36E-56	-0.65307	4.09E-58	-0.44478	4.55E-24
2.28E-48	-0.38228	1.07E-17	-0.54364	2.86E-37	-0.61239	2.08E-49	-0.43776	2.76E-23
1.65E-45	-0.42572	5.55E-22	-0.55652	2.48E-39	-0.64731	8.40E-57	-0.46555	1.70E-26
5.77E-16	-0.22282	1.15E-06	-0.36054	8.79E-16	-0.35476	2.69E-15	-0.28439	3.88E-10
0.01901	-0.15688	0.00067	-0.39735	4.09E-19	-0.29148	1.34E-10	-0.17802	0.00011
1.38E-11	-0.14391	0.00182	-0.36591	3.05E-16	-0.34955	7.23E-15	-0.46523	1.86E-26
7.03E-16	-0.21655	2.32E-06	-0.40299	1.16E-19	-0.40149	1.63E-19	-0.49908	8.77E-31
5.72E-27	-0.28251	5.11E-10	-0.45975	8.41E-26	-0.49217	7.34E-30	-0.6851	5.58E-66
1.34E-13	-0.15776	0.00062	-0.24788	5.72E-08	-0.31473	3.38E-12	-0.29571	7.05E-11
3.38E-17	0.062364	0.17849	0.306519	1.29E-11	0.307419	1.12E-11	0.541818	5.51E-37
7.55E-10	-0.35852	1.30E-15	-0.46454	2.25E-26	-0.38623	4.61E-18	-0.15587	0.00072
4.11E-09	-0.20612	7.10E-06	-0.33667	7.70E-14	-0.3272	4.09E-13	-0.24539	7.83E-08
3.36E-17	-0.33053	2.29E-13	-0.53683	3.25E-36	-0.49114	1.00E-29	-0.41548	6.48E-21
3.34E-30	-0.24923	4.82E-08	-0.50206	3.45E-31	-0.49753	1.42E-30	-0.45031	1.07E-24
1.89E-14	0.270695	2.76E-09	0.612014	2.47E-49	0.481698	1.68E-28	0.29064	1.53E-10
2.17E-21	-0.4807	2.24E-28	-0.66125	4.94E-60	-0.59154	2.04E-45	-0.36059	8.72E-16
2.26E-13	-0.29632	6.42E-11	-0.33078	2.19E-13	-0.36189	6.76E-16	-0.50649	8.48E-32
0.01149	-0.14563	0.0016	-0.33444	1.15E-13	-0.21035	4.54E-06	-0.14543	0.00163
6.51E-11	-0.24618	7.09E-08	-0.33109	2.08E-13	-0.35406	3.08E-15	-0.38043	1.57E-17
4.67E-15	-0.21812	1.95E-06	-0.32891	3.04E-13	-0.35836	1.35E-15	-0.45298	5.24E-25
1.86E-42	-0.31578	2.84E-12	-0.52153	6.23E-34	-0.54735	7.44E-38	-0.51076	2.16E-32
7.17E-09	-0.11871	0.01024	-0.23522	2.72E-07	-0.24275	1.09E-07	-0.36428	4.22E-16
5.41E-09	-0.20111	1.19E-05	-0.33077	2.19E-13	-0.28516	3.46E-10	-0.31896	1.67E-12
1.36E-31	-0.28166	5.78E-10	-0.53469	6.87E-36	-0.5309	2.57E-35	-0.16199	0.00044
7.77E-09	-0.0697	0.13258	-0.19665	1.87E-05	-0.20015	1.31E-05	-0.33908	4.99E-14
4.50E-38	-0.424	8.42E-22	-0.56262	2.43E-40	-0.60419	8.35E-48	-0.49409	4.08E-30
1.15E-07	-0.30236	2.50E-11	-0.31627	2.62E-12	-0.33047	2.32E-13	-0.41069	1.99E-20
0.01064	-0.08087	0.08086	-0.16332	0.00039	-0.15748	0.00064	-0.29979	3.74E-11
6.51E-17	-0.13526	0.0034	-0.31694	2.34E-12	-0.32986	2.58E-13	-0.53461	7.08E-36
1.05E-23	-0.23251	3.76E-07	-0.47753	5.65E-28	-0.44817	1.88E-24	-0.52549	1.64E-34
1.52E-37	-0.54095	7.52E-37	-0.62788	1.43E-52	-0.67531	1.80E-63	-0.4406	1.34E-23
0.01171	-0.00383	0.93423	-0.16979	0.00023	-0.12025	0.00929	-0.42116	1.67E-21
2.76E-24	-0.21923	1.73E-06	-0.38238	1.04E-17	-0.41287	1.20E-20	-0.48354	9.73E-29
1.58E-06	-0.24004	1.52E-07	-0.27487	1.53E-09	-0.29166	1.31E-10	-0.49625	2.10E-30
6.52E-32	-0.2285	6.01E-07	-0.40678	4.89E-20	-0.46751	9.84E-27	-0.58209	1.06E-43
6.33E-11	-0.21895	1.78E-06	-0.27694	1.14E-09	-0.32283	8.67E-13	-0.40209	1.42E-19
1.24E-19	-0.13357	0.00383	-0.37485	5.00E-17	-0.36822	1.92E-16	-0.49912	8.66E-31
0.02645	-0.28901	1.95E-10	-0.15632	0.0007	-0.24491	8.31E-08	-0.31344	4.19E-12
1.36E-23	-0.39082	1.72E-18	-0.54946	3.44E-38	-0.55487	4.62E-39	-0.36592	3.04E-16
0.00043	-0.20788	5.90E-06	-0.3112	6.04E-12	-0.28724	2.54E-10	-0.17341	0.00017
2.36E-17	-0.03191	0.4915	-0.32635	4.74E-13	-0.32913	2.92E-13	-0.16184	0.00045

4.64E-45	0.482726	1.24E-28	0.478161	4.71E-28	0.607467	1.94E-48	0.515193	5.09E-33
2.48E-15	-0.35041	6.15E-15	-0.38459	6.54E-18	-0.40068	1.95E-19	-0.49919	8.46E-31
3.84E-43	-0.26824	3.87E-09	-0.40377	9.70E-20	-0.51805	1.99E-33	-0.29123	1.40E-10
4.02E-44	-0.49009	1.38E-29	-0.69932	8.34E-70	-0.70315	7.12E-71	-0.39702	4.41E-19
4.49E-21	-0.54847	4.94E-38	-0.46538	1.78E-26	-0.52231	4.80E-34	-0.45574	2.50E-25
2.11E-05	-0.26606	5.23E-09	-0.25298	2.98E-08	-0.26547	5.66E-09	-0.19499	2.20E-05
3.81E-06	-0.22527	8.73E-07	-0.59567	3.49E-46	-0.40608	5.73E-20	-0.37861	2.30E-17
8.77E-23	-0.13401	0.00372	-0.34755	1.05E-14	-0.40105	1.79E-19	-0.40558	6.44E-20
3.76E-09	-0.16464	0.00035	-0.36248	6.02E-16	-0.28736	2.50E-10	-0.3698	1.40E-16
0.00032	-0.0285	0.53902	-0.23946	1.63E-07	-0.15353	0.00087	-0.37311	7.15E-17
7.18E-54	-0.50898	3.83E-32	-0.58099	1.66E-43	-0.67773	4.40E-64	-0.51244	1.25E-32
2.89E-36	-0.42729	3.78E-22	-0.50424	1.73E-31	-0.56941	1.73E-41	-0.54814	5.57E-38
2.00E-33	-0.45923	9.71E-26	-0.55689	2.16E-39	-0.61236	2.11E-49	-0.42798	3.19E-22
7.23E-21	-0.13958	0.0025	-0.36094	8.14E-16	-0.36824	1.92E-16	-0.43716	3.22E-23
1.31E-09	-0.20711	6.40E-06	-0.27259	2.11E-09	-0.28414	4.02E-10	-0.42142	1.57E-21
1.47E-06	-0.1791	9.96E-05	-0.27974	7.64E-10	-0.28721	2.55E-10	-0.24244	1.13E-07
0.00026	-0.23132	4.32E-07	-0.44664	2.80E-24	-0.33236	1.66E-13	-0.15149	0.00102
0.00026	-0.04038	0.38392	-0.3061	1.38E-11	-0.18378	6.47E-05	-0.35893	1.20E-15
5.86E-05	-0.01735	0.70851	-0.12482	0.00692	-0.16938	0.00024	-0.27088	2.69E-09
0.00589	-0.21743	2.11E-06	-0.19221	2.90E-05	-0.20821	5.70E-06	-0.32836	3.35E-13
1.11E-35	0.447227	2.40E-24	0.556906	2.15E-39	0.597153	1.83E-46	0.542521	4.28E-37
2.46E-13	-0.23459	2.93E-07	-0.20074	1.24E-05	-0.32281	8.71E-13	-0.41172	1.56E-20
0.15717	-0.05155	0.26624	-0.07721	0.09562	-0.09427	0.04172	-0.34822	9.28E-15
3.61E-33	-0.36094	8.15E-16	-0.50344	2.24E-31	-0.55289	9.66E-39	-0.53823	1.98E-36
4.28E-34	-0.22938	5.42E-07	-0.44131	1.12E-23	-0.49999	6.59E-31	-0.57203	6.16E-42
0.00424	-0.25948	1.27E-08	-0.31335	4.25E-12	-0.28991	1.70E-10	-0.36842	1.85E-16
6.79E-09	-0.41085	1.91E-20	-0.34464	1.81E-14	-0.37845	2.38E-17	-0.31182	5.46E-12
3.03E-07	-0.42398	8.46E-22	-0.30664	1.26E-11	-0.34591	1.43E-14	-0.37561	4.28E-17
0.00038	-0.25106	3.81E-08	-0.27315	1.95E-09	-0.23925	1.67E-07	-0.38418	7.13E-18
7.63E-16	-0.42631	4.80E-22	-0.4103	2.17E-20	-0.49613	2.18E-30	-0.46123	5.62E-26
1.58E-30	-0.34334	2.29E-14	-0.51036	2.45E-32	-0.54561	1.40E-37	-0.58935	5.14E-45
0.00208	-0.28382	4.21E-10	-0.38181	1.18E-17	-0.31977	1.46E-12	-0.25479	2.35E-08
1.45E-26	-0.3095	7.97E-12	-0.4416	1.04E-23	-0.49224	7.19E-30	-0.24339	1.00E-07
1.76E-19	-0.11643	0.01181	-0.31595	2.76E-12	-0.34837	9.02E-15	-0.45798	1.36E-25
2.28E-07	0.316414	2.56E-12	0.508996	3.81E-32	0.393051	1.06E-18	0.196333	1.93E-05
9.55E-21	-0.16077	0.00049	-0.37832	2.44E-17	-0.38234	1.05E-17	-0.3604	9.04E-16
6.34E-08	-0.33888	5.18E-14	-0.30972	7.70E-12	-0.32428	6.77E-13	-0.30286	2.31E-11
2.19E-17	-0.18547	5.52E-05	-0.39319	1.03E-18	-0.39103	1.64E-18	-0.35062	5.91E-15
1.07E-07	0.381654	1.22E-17	0.291855	1.27E-10	0.315437	3.01E-12	0.47638	7.88E-28
0.0001	-0.37878	2.22E-17	-0.38324	8.70E-18	-0.34935	7.50E-15	-0.32241	9.32E-13
4.31E-10	-0.3047	1.72E-11	-0.54571	1.35E-37	-0.45575	2.49E-25	-0.37959	1.88E-17
2.45E-20	-0.20126	1.17E-05	-0.28556	3.26E-10	-0.35611	2.08E-15	-0.44234	8.57E-24
3.56E-09	-0.48392	8.71E-29	-0.34223	2.81E-14	-0.41162	1.60E-20	-0.51597	3.94E-33
2.55E-17	-0.3468	1.21E-14	-0.41914	2.71E-21	-0.4459	3.40E-24	-0.36765	2.16E-16
0.00011	0.124962	0.00685	-0.02419	0.60206	0.113092	0.01448	-0.09332	0.04385

1.65E-27	0.247614	5.92E-08	0.272323	2.20E-09	0.388477	2.85E-18	0.353858	3.20E-15
6.62E-06	-0.02606	0.57423	-0.42764	3.46E-22	-0.32306	8.34E-13	-0.27169	2.40E-09
1.17E-14	-0.16184	0.00045	-0.35375	3.26E-15	-0.3413	3.33E-14	-0.32648	4.64E-13
2.01E-18	0.363163	5.26E-16	0.358276	1.37E-15	0.424811	6.92E-22	0.275201	1.46E-09
0.16792	-0.01941	0.67567	-0.23042	4.80E-07	-0.13132	0.00447	-0.40066	1.96E-19
2.25E-15	-0.23586	2.52E-07	-0.37637	3.66E-17	-0.38919	2.44E-18	-0.48601	4.69E-29
2.65E-17	-0.28339	4.49E-10	-0.38049	1.55E-17	-0.41429	8.56E-21	-0.46412	2.53E-26
8.45E-23	-0.20274	1.01E-05	-0.42429	7.86E-22	-0.43516	5.34E-23	-0.5031	2.49E-31
1.61E-23	-0.13799	0.00281	-0.40737	4.27E-20	-0.43338	8.35E-23	-0.12891	0.00527
0.00048	-0.1273	0.00587	-0.26713	4.52E-09	-0.23576	2.55E-07	-0.27624	1.26E-09
3.53E-32	0.384924	6.09E-18	0.376006	3.94E-17	0.520523	8.73E-34	0.416712	4.84E-21
5.26E-08	-0.14356	0.00187	-0.26345	7.45E-09	-0.25568	2.10E-08	-0.43994	1.59E-23
4.20E-31	-0.25496	2.30E-08	-0.4185	3.16E-21	-0.49713	1.60E-30	-0.45602	2.32E-25
0.00936	-0.20147	1.15E-05	-0.30581	1.45E-11	-0.22041	1.51E-06	-0.41991	2.26E-21
3.73E-11	-0.38406	7.31E-18	-0.48755	2.95E-29	-0.47926	3.42E-28	-0.386	4.85E-18
4.19E-26	-0.26447	6.49E-09	-0.42722	3.84E-22	-0.46349	3.01E-26	-0.51369	8.33E-33
1.94E-48	-0.36351	4.91E-16	-0.5432	3.35E-37	-0.59779	1.39E-46	-0.57052	1.12E-41
2.10E-06	-0.19205	2.94E-05	-0.50946	3.28E-32	-0.38862	2.76E-18	-0.18812	4.30E-05
2.96E-15	-0.11715	0.01129	-0.26712	4.52E-09	-0.32151	1.09E-12	-0.31166	5.61E-12
1.20E-12	-0.05183	0.26368	-0.29181	1.28E-10	-0.26687	4.68E-09	-0.53126	2.27E-35
0.30145	-0.24703	6.37E-08	-0.14611	0.00154	-0.1354	0.00337	-0.2425	1.12E-07
3.18E-08	-0.19099	3.26E-05	-0.23052	4.75E-07	-0.284	4.10E-10	-0.45923	9.71E-26
2.34E-10	-0.03302	0.47652	-0.19435	2.35E-05	-0.24432	8.95E-08	-0.15001	0.00115
1.21E-05	-0.06697	0.14848	-0.34627	1.33E-14	-0.25796	1.55E-08	-0.32524	5.74E-13
1.99E-10	-0.2158	2.52E-06	-0.37713	3.13E-17	-0.32228	9.53E-13	-0.39377	9.03E-19
3.28E-08	-0.26977	3.14E-09	-0.23347	3.35E-07	-0.25233	3.24E-08	-0.26518	5.89E-09
7.93E-20	-0.16698	0.00029	-0.31512	3.17E-12	-0.36002	9.74E-16	-0.54194	5.27E-37
3.50E-30	0.213745	3.15E-06	0.19156	3.08E-05	0.349272	7.62E-15	0.515443	4.69E-33
3.34E-16	-0.06844	0.13972	-0.22447	9.56E-07	-0.26562	5.55E-09	-0.3515	5.00E-15
1.30E-08	-0.12455	0.00704	-0.4472	2.42E-24	-0.32882	3.09E-13	-0.16722	0.00028
6.26E-36	-0.40041	2.07E-19	-0.48938	1.70E-29	-0.5708	1.00E-41	-0.39754	3.93E-19
1.59E-39	-0.35272	3.97E-15	-0.56328	1.89E-40	-0.5836	5.68E-44	-0.39585	5.71E-19
5.76E-11	-0.22797	6.39E-07	-0.29846	4.60E-11	-0.29298	1.07E-10	-0.1722	0.00018
3.68E-17	0.394483	7.72E-19	0.369417	1.51E-16	0.434679	6.03E-23	0.542552	4.23E-37
9.66E-19	-0.32592	5.10E-13	-0.37758	2.85E-17	-0.41152	1.64E-20	-0.51459	6.21E-33
3.33E-16	-0.28617	2.98E-10	-0.34732	1.10E-14	-0.3672	2.36E-16	-0.41308	1.14E-20
0.00117	-0.21621	2.41E-06	-0.31872	1.74E-12	-0.26446	6.50E-09	-0.14144	0.00219
7.71E-13	-0.08879	0.05518	-0.29438	8.65E-11	-0.30218	2.57E-11	-0.38813	3.07E-18
1.13E-06	-0.21606	2.45E-06	-0.3195	1.53E-12	-0.29865	4.47E-11	-0.31974	1.47E-12
0.12076	-0.23364	3.29E-07	-0.21061	4.42E-06	-0.2207	1.46E-06	-0.16039	0.0005
1.05E-44	0.425772	5.48E-22	0.45784	1.42E-25	0.562809	2.26E-40	0.469161	6.18E-27
2.70E-22	0.231776	4.10E-07	0.390667	1.78E-18	0.450661	9.72E-25	0.284939	3.57E-10
7.52E-14	-0.17406	0.00016	-0.47778	5.26E-28	-0.39543	6.27E-19	-0.46641	1.34E-26
0.00052	-0.3316	1.90E-13	-0.38891	2.59E-18	-0.31774	2.05E-12	-0.35227	4.33E-15
0.01412	-0.0581	0.21011	-0.19032	3.48E-05	-0.13513	0.00344	-0.39767	3.82E-19



0.43453	-0.07622	0.09995	0.034745	0.45383	-0.00044	0.99238	0.538205	2.00E-36
2.17E-05	-0.11703	0.01137	-0.29836	4.68E-11	-0.27156	2.45E-09	-0.23438	3.01E-07
4.84E-12	-0.10093	0.02919	-0.34035	3.96E-14	-0.30233	2.51E-11	-0.45919	9.82E-26
4.35E-27	-0.19166	3.06E-05	-0.46364	2.88E-26	-0.44776	2.09E-24	-0.48518	5.99E-29
9.28E-30	-0.3389	5.16E-14	-0.46009	7.67E-26	-0.51071	2.19E-32	-0.50392	1.92E-31
3.02E-05	0.11648	0.01177	-0.05624	0.22508	-0.05311	0.25206	-0.33312	1.45E-13
2.79E-29	-0.2552	2.23E-08	-0.47654	7.54E-28	-0.48204	1.52E-28	-0.63599	2.67E-54
5.87E-20	0.28597	3.07E-10	0.453149	5.01E-25	0.437378	3.05E-23	0.258445	1.46E-08
1.18E-16	0.316005	2.74E-12	0.402134	1.41E-19	0.45146	7.86E-25	0.316811	2.39E-12
4.24E-28	0.504548	1.57E-31	0.656921	5.20E-59	0.627951	1.38E-52	0.312584	4.82E-12
3.94E-14	-0.08158	0.07822	0.165705	0.00032	0.195381	2.12E-05	0.377843	2.70E-17
2.79E-14	-0.33269	1.57E-13	-0.44778	2.08E-24	-0.45575	2.49E-25	-0.25542	2.17E-08
3.52E-08	-0.13908	0.00259	-0.24144	1.28E-07	-0.23979	1.56E-07	-0.34485	1.74E-14
1.05E-15	0.21172	3.92E-06	0.361273	7.62E-16	0.352133	4.44E-15	0.410883	1.90E-20
0.40527	0.260684	1.08E-08	-0.07021	0.12978	-0.04807	0.29992	-0.30128	2.97E-11
8.23E-26	-0.36457	3.98E-16	-0.47137	3.31E-27	-0.51269	1.16E-32	-0.41008	2.29E-20
4.84E-05	-0.08498	0.06652	-0.0895	0.05326	-0.18265	7.19E-05	-0.2857	3.19E-10
0.0221	-0.05921	0.20156	-0.28776	2.35E-10	-0.22164	1.32E-06	-0.26535	5.76E-09
7.62E-10	-0.21582	2.51E-06	-0.31985	1.44E-12	-0.32808	3.51E-13	-0.36172	6.98E-16
5.58E-13	-0.19269	2.76E-05	-0.47729	6.06E-28	-0.36251	5.98E-16	-0.25277	3.06E-08
2.98E-18	-0.09762	0.03495	-0.3552	2.47E-15	-0.34834	9.08E-15	-0.45554	2.64E-25
0.05444	-0.05586	0.22824	-0.04642	0.31687	-0.07279	0.11619	-0.2443	8.96E-08
4.77E-06	-0.05971	0.19774	-0.1252	0.00675	-0.14888	0.00125	-0.5165	3.31E-33
1.36E-29	-0.29263	1.13E-10	-0.53694	3.11E-36	-0.5217	5.88E-34	-0.52304	3.76E-34
0.04124	-0.08991	0.05217	-0.12133	0.00867	-0.03821	0.41001	0.441523	1.06E-23
2.22E-24	-0.21879	1.81E-06	-0.42882	2.59E-22	-0.44728	2.37E-24	-0.59803	1.25E-46
1.95E-09	-0.27559	1.39E-09	-0.32644	4.67E-13	-0.359	1.19E-15	-0.4589	1.06E-25
0.00258	0.095149	0.03985	-0.0722	0.11919	-0.07457	0.10755	-0.25299	2.97E-08
3.26E-17	-0.21378	3.14E-06	-0.31875	1.73E-12	-0.36342	5.00E-16	-0.51936	1.29E-33
0.00135	-0.27894	8.57E-10	-0.1875	4.56E-05	-0.19473	2.26E-05	-0.4567	1.93E-25
8.83E-25	-0.2135	3.24E-06	-0.33114	2.06E-13	-0.40649	5.22E-20	-0.44792	2.00E-24
1.83E-17	-0.32997	2.53E-13	-0.3193	1.58E-12	-0.42276	1.14E-21	-0.45392	4.07E-25
2.69E-24	-0.47818	4.68E-28	-0.44918	1.44E-24	-0.52344	3.28E-34	-0.50074	5.21E-31
0.01835	-0.10992	0.01749	-0.16091	0.00048	-0.1507	0.00109	-0.40698	4.67E-20
0.46875	-0.19315	2.64E-05	-0.1929	2.71E-05	-0.14062	0.00232	-0.42864	2.71E-22
3.42E-42	0.224506	9.52E-07	0.347676	1.03E-14	0.490055	1.39E-29	0.508017	5.22E-32
0.00044	0.035976	0.43797	-0.39213	1.29E-18	-0.23987	1.55E-07	-0.106	0.02197
9.01E-14	-0.32168	1.06E-12	-0.32714	4.13E-13	-0.39669	4.74E-19	-0.40382	9.60E-20
1.99E-20	-0.39155	1.47E-18	-0.42574	5.52E-22	-0.4578	1.43E-25	-0.57753	6.78E-43
1.24E-26	-0.27257	2.12E-09	-0.33547	9.55E-14	-0.42812	3.08E-22	-0.3971	4.33E-19
7.89E-10	-0.28628	2.93E-10	-0.23257	3.73E-07	-0.28735	2.50E-10	-0.34914	7.81E-15
4.06E-20	-0.34268	2.59E-14	-0.44342	6.48E-24	-0.47044	4.31E-27	-0.48449	7.34E-29
1.44E-21	-0.41848	3.18E-21	-0.5549	4.56E-39	-0.56412	1.36E-40	-0.42817	3.04E-22
5.78E-15	0.281423	5.98E-10	0.095977	0.03814	0.26521	5.87E-09	0.5241	2.63E-34
0.06642	0.130737	0.00466	0.012795	0.78272	0.025642	0.58045	-0.2537	2.71E-08

4.30E-11	-0.27576	1.35E-09	-0.3528	3.91E-15	-0.36725	2.34E-16	-0.49858	1.02E-30
0.94156	-0.06854	0.13916	-0.11934	0.00985	-0.08568	0.06431	-0.26876	3.61E-09
2.03E-18	-0.07656	0.09844	-0.31709	2.29E-12	-0.32359	7.62E-13	-0.43641	3.89E-23
2.04E-13	-0.23411	3.11E-07	-0.38785	3.26E-18	-0.382	1.13E-17	-0.22981	5.16E-07
1.22E-06	-0.01277	0.78306	-0.20139	1.16E-05	-0.21624	2.40E-06	-0.11047	0.01693
0.03558	-0.3162	2.65E-12	-0.27399	1.74E-09	-0.24579	7.44E-08	-0.2998	3.74E-11
5.96E-20	-0.3626	5.88E-16	-0.37617	3.82E-17	-0.45882	1.09E-25	-0.6799	1.24E-64
1.91E-24	0.177261	0.00012	0.418085	3.49E-21	0.404826	7.64E-20	0.074047	0.11002
4.63E-45	-0.41401	9.14E-21	-0.58635	1.81E-44	-0.63087	3.34E-53	-0.55675	2.27E-39
2.38E-16	-0.23483	2.85E-07	-0.33332	1.40E-13	-0.36583	3.10E-16	-0.41295	1.17E-20
6.97E-23	-0.19755	1.71E-05	-0.34052	3.84E-14	-0.39581	5.77E-19	-0.58365	5.55E-44
2.18E-05	0.284413	3.86E-10	0.069731	0.13241	0.179339	9.75E-05	0.48953	1.63E-29
0.0058	-0.08163	0.07801	-0.13657	0.0031	-0.13136	0.00446	-0.44224	8.80E-24
6.09E-18	0.265661	5.52E-09	0.349256	7.64E-15	0.378938	2.15E-17	0.415317	6.73E-21
0.22389	-0.15778	0.00062	-0.13784	0.00284	-0.11548	0.01252	-0.38608	4.76E-18
0.00015	-0.1479	0.00135	-0.29615	6.59E-11	-0.25106	3.82E-08	-0.2778	1.01E-09
2.99E-30	-0.35066	5.87E-15	-0.41485	7.50E-21	-0.48669	3.82E-29	-0.64599	1.67E-56
1.25E-14	-0.11466	0.01316	-0.34167	3.12E-14	-0.33851	5.53E-14	-0.41518	6.94E-21
4.30E-18	-0.34869	8.50E-15	-0.44017	1.50E-23	-0.45104	8.79E-25	-0.21281	3.49E-06
0.20661	-0.04449	0.33741	-0.06751	0.14522	-0.07673	0.0977	-0.29727	5.54E-11
1.51E-09	-0.15955	0.00054	-0.29919	4.11E-11	-0.2762	1.27E-09	-0.52177	5.74E-34
0.02393	-0.05896	0.2034	-0.15227	0.00096	-0.1131	0.01447	-0.40813	3.58E-20
2.34E-11	-0.33314	1.45E-13	-0.39455	7.60E-19	-0.46359	2.93E-26	-0.08613	0.06293
9.39E-28	-0.25523	2.22E-08	-0.38593	4.91E-18	-0.45594	2.37E-25	-0.63622	2.37E-54
0.00029	-0.3585	1.31E-15	-0.27662	1.20E-09	-0.29486	8.04E-11	-0.34271	2.57E-14
0.60584	-0.12125	0.00872	-0.21267	3.54E-06	-0.12958	0.00504	-0.37075	1.15E-16
1.86E-08	-0.16142	0.00046	-0.30088	3.16E-11	-0.28739	2.49E-10	-0.51043	2.40E-32
5.13E-07	-0.23475	2.88E-07	-0.2405	1.44E-07	-0.29067	1.52E-10	-0.43075	1.61E-22
1.18E-07	-0.46588	1.55E-26	-0.29297	1.07E-10	-0.37112	1.07E-16	-0.53506	6.04E-36
2.06E-05	-0.06289	0.17483	-0.15146	0.00103	-0.14885	0.00126	-0.29381	9.44E-11
3.03E-12	-0.30805	1.01E-11	-0.44697	2.57E-24	-0.39691	4.52E-19	-0.27145	2.48E-09
2.70E-46	-0.30198	2.65E-11	-0.37253	8.04E-17	-0.51033	2.48E-32	-0.4222	1.30E-21
2.71E-08	-0.35514	2.50E-15	-0.28485	3.62E-10	-0.34502	1.68E-14	-0.52696	9.95E-35
8.35E-13	-0.16634	0.00031	-0.31105	6.20E-12	-0.31678	2.41E-12	-0.53942	1.29E-36
0.38857	-0.31425	3.67E-12	-0.1789	0.0001	-0.15869	0.00058	-0.13316	0.00394
3.97E-12	-0.27433	1.66E-09	-0.36735	2.29E-16	-0.35834	1.35E-15	-0.47807	4.84E-28
3.91E-13	-0.26984	3.11E-09	-0.37228	8.47E-17	-0.37158	9.76E-17	-0.23494	2.81E-07
2.58E-10	-0.28094	6.42E-10	-0.28309	4.69E-10	-0.30614	1.37E-11	-0.38133	1.30E-17
1.16E-08	-0.26126	1.00E-08	-0.24531	7.91E-08	-0.25877	1.39E-08	-0.34864	8.58E-15
1.03E-07	-0.07223	0.11908	-0.27478	1.55E-09	-0.22323	1.10E-06	-0.38467	6.44E-18
2.47E-16	-0.13587	0.00326	-0.42507	6.50E-22	-0.36722	2.35E-16	-0.35767	1.54E-15
1.50E-37	0.165653	0.00032	0.435795	4.55E-23	0.50041	5.79E-31	0.48643	4.13E-29
3.29E-19	-0.51915	1.38E-33	-0.4619	4.67E-26	-0.52604	1.36E-34	-0.49597	2.30E-30
4.57E-24	-0.38183	1.17E-17	-0.5189	1.50E-33	-0.55262	1.07E-38	-0.24394	9.38E-08
2.36E-11	-0.19834	1.58E-05	-0.41525	6.83E-21	-0.3587	1.26E-15	-0.1477	0.00137

4.65E-14	-0.10078	0.02943	-0.30311	2.22E-11	-0.32975	2.63E-13	-0.04188	0.36655
4.91E-21	-0.34319	2.36E-14	-0.44799	1.97E-24	-0.47084	3.84E-27	-0.27475	1.56E-09
2.74E-19	-0.13204	0.00426	-0.36198	6.64E-16	-0.3653	3.45E-16	-0.45893	1.05E-25
1.28E-11	-0.15982	0.00053	-0.41346	1.04E-20	-0.36641	2.76E-16	-0.27606	1.29E-09
9.50E-05	-0.08861	0.05568	-0.20929	5.09E-06	-0.16173	0.00045	-0.43089	1.55E-22
4.34E-10	-0.28986	1.72E-10	-0.45685	1.85E-25	-0.40899	2.94E-20	-0.24531	7.91E-08
5.31E-17	0.018919	0.68343	-0.2985	4.58E-11	-0.29791	5.02E-11	-0.05862	0.20604
0.00019	-0.0288	0.5347	-0.13772	0.00286	-0.14433	0.00177	-0.41479	7.61E-21
6.10E-14	-0.32255	9.09E-13	-0.41669	4.86E-21	-0.41581	5.99E-21	-0.52974	3.83E-35
1.19E-07	-0.36743	2.25E-16	-0.43457	6.19E-23	-0.37464	5.22E-17	-0.36655	2.69E-16
1.02E-07	-0.15643	0.00069	0.034061	0.46276	0.089925	0.05213	0.488455	2.25E-29
2.76E-16	-0.33217	1.71E-13	-0.32352	7.71E-13	-0.3596	1.06E-15	-0.5416	5.95E-37
4.51E-09	-0.37406	5.89E-17	-0.30898	8.67E-12	-0.342	2.93E-14	-0.52679	1.05E-34
3.07E-14	-0.03735	0.42066	-0.10784	0.01976	-0.24402	9.29E-08	-0.19368	2.51E-05
0.50416	-0.0773	0.09523	-0.19597	2.00E-05	-0.07285	0.1159	-0.3001	3.57E-11
1.43E-13	-0.40199	1.45E-19	-0.41248	1.31E-20	-0.43785	2.70E-23	-0.54895	4.15E-38
2.84E-15	-0.10614	0.02179	-0.3384	5.64E-14	-0.33151	1.93E-13	-0.5192	1.36E-33
0.14323	-0.34888	8.20E-15	-0.21016	4.63E-06	-0.23805	1.93E-07	-0.32874	3.13E-13
0.09835	-0.0702	0.12981	-0.10737	0.02029	-0.05766	0.21361	-0.26383	7.08E-09
1.75E-05	0.380322	1.61E-17	0.498693	9.88E-31	0.40769	3.97E-20	0.494357	3.76E-30
2.48E-34	-0.26171	9.42E-09	-0.46481	2.09E-26	-0.5044	1.65E-31	-0.5882	8.34E-45
3.13E-07	-0.11992	0.00949	-0.26493	6.10E-09	-0.24379	9.56E-08	-0.4429	7.42E-24
2.31E-26	-0.2707	2.75E-09	-0.42572	5.54E-22	-0.43013	1.87E-22	-0.53985	1.11E-36
1.13E-14	-0.17982	9.33E-05	-0.45017	1.11E-24	-0.38722	3.74E-18	-0.4262	4.93E-22
2.12E-15	-0.03678	0.42781	-0.25289	3.01E-08	-0.24762	5.91E-08	-0.3561	2.08E-15
1.89E-41	-0.34744	1.07E-14	-0.52963	3.98E-35	-0.58889	6.26E-45	-0.61756	1.92E-50
2.81E-17	-0.18452	6.04E-05	-0.31504	3.21E-12	-0.35078	5.74E-15	-0.47649	7.65E-28
2.56E-12	-0.29128	1.39E-10	-0.31687	2.37E-12	-0.38886	2.62E-18	-0.44483	4.49E-24
3.34E-23	-0.33134	1.98E-13	-0.36432	4.18E-16	-0.45621	2.20E-25	-0.39975	2.40E-19
2.66E-28	0.4365	3.81E-23	0.553202	8.60E-39	0.587978	9.17E-45	0.480017	2.74E-28
1.17E-21	-0.46387	2.71E-26	-0.5068	7.69E-32	-0.56543	8.23E-41	-0.45253	5.92E-25
0.00023	0.045869	0.32262	-0.32162	1.07E-12	-0.20348	9.34E-06	-0.18567	5.42E-05
8.61E-06	-0.02894	0.53277	-0.20575	7.38E-06	-0.18961	3.72E-05	-0.39405	8.48E-19
1.80E-07	-0.13636	0.00315	-0.31969	1.48E-12	-0.28589	3.11E-10	-0.4801	2.67E-28
2.78E-06	-0.20239	1.04E-05	-0.24518	8.04E-08	-0.25497	2.30E-08	-0.38154	1.25E-17
0.00057	-0.08905	0.05447	-0.22436	9.68E-07	-0.17944	9.66E-05	-0.29541	7.38E-11
2.58E-06	-0.22867	5.90E-07	-0.32759	3.83E-13	-0.29757	5.29E-11	-0.43225	1.11E-22
4.52E-11	-0.04347	0.34855	-7.59E-05	0.99869	0.105176	0.02302	0.496968	1.69E-30
0.16533	-0.0862	0.06271	-0.15398	0.00084	-0.07827	0.09114	-0.28342	4.47E-10
0.00073	0.217207	2.16E-06	0.398892	2.91E-19	0.260586	1.10E-08	0.312466	4.91E-12
4.15E-30	-0.26382	7.09E-09	-0.46159	5.09E-26	-0.48976	1.52E-29	-0.40449	8.25E-20
2.20E-20	-0.13165	0.00438	-0.26932	3.34E-09	-0.31866	1.76E-12	-0.31198	5.32E-12
3.74E-07	-0.358	1.44E-15	-0.33845	5.59E-14	-0.33333	1.40E-13	-0.31138	5.87E-12
0.64135	0.037208	0.42244	-0.00274	0.9529	0.013115	0.77743	-0.40425	8.70E-20
1.64E-36	-0.34713	1.14E-14	-0.485	6.33E-29	-0.5474	7.31E-38	-0.64335	6.48E-56

1.14E-07	0.081165	0.07974	0.135861	0.00326	0.165064	0.00034	0.408748	3.11E-20
1.35E-08	-0.16749	0.00028	-0.16022	0.00051	-0.20868	5.42E-06	-0.40703	4.61E-20
5.39E-11	-0.31017	7.15E-12	-0.38002	1.72E-17	-0.40117	1.75E-19	-0.39725	4.19E-19
1.21E-30	-0.18819	4.27E-05	-0.53117	2.34E-35	-0.50226	3.24E-31	-0.26919	3.40E-09
0.34711	-0.09039	0.05094	-0.05897	0.20333	-0.04085	0.37839	-0.26037	1.13E-08
4.32E-20	-0.366	2.99E-16	-0.53603	4.29E-36	-0.51563	4.41E-33	-0.44682	2.67E-24
0.00762	-0.3469	1.19E-14	-0.31433	3.62E-12	-0.26168	9.46E-09	-0.1804	8.85E-05
3.21E-27	-0.33262	1.59E-13	-0.52871	5.47E-35	-0.53217	1.66E-35	-0.45884	1.08E-25
6.06E-16	0.428967	2.50E-22	0.257905	1.56E-08	0.398311	3.31E-19	0.408128	3.59E-20
9.01E-11	-0.1349	0.00349	-0.30894	8.73E-12	-0.3299	2.56E-13	-0.24264	1.10E-07
1.50E-18	-0.15635	0.0007	-0.40807	3.63E-20	-0.37358	6.50E-17	-0.32936	2.81E-13
2.70E-26	-0.21745	2.10E-06	-0.46636	1.36E-26	-0.44219	8.90E-24	-0.28541	3.33E-10
1.36E-08	0.021588	0.64169	0.188479	4.15E-05	0.208488	5.53E-06	0.541358	6.49E-37
5.74E-12	-0.2767	1.18E-09	-0.30316	2.20E-11	-0.37124	1.04E-16	-0.48445	7.44E-29
1.46E-11	0.340475	3.87E-14	0.379016	2.11E-17	0.366101	2.94E-16	0.3054	1.54E-11
1.89E-06	-0.11706	0.01135	-0.17129	0.0002	-0.19164	3.06E-05	-0.44437	5.07E-24
3.49E-26	-0.21894	1.78E-06	-0.49941	7.91E-31	-0.45831	1.25E-25	-0.4814	1.83E-28
9.29E-11	-0.2132	3.34E-06	-0.20205	1.08E-05	-0.2693	3.35E-09	-0.3467	1.23E-14
3.69E-13	-0.24332	1.01E-07	-0.38506	5.92E-18	-0.35282	3.90E-15	-0.2757	1.36E-09
0.04404	-0.11147	0.01595	-0.26168	9.47E-09	-0.17709	0.00012	0.011248	0.80845
2.64E-18	-0.35142	5.08E-15	-0.4807	2.24E-28	-0.45304	5.17E-25	-0.36104	7.97E-16
2.43E-11	-0.15785	0.00062	-0.34486	1.73E-14	-0.31623	2.64E-12	-0.18346	6.67E-05
7.53E-19	-0.32803	3.55E-13	-0.39883	2.95E-19	-0.42182	1.43E-21	-0.4565	2.03E-25
3.58E-26	-0.34049	3.86E-14	-0.46122	5.63E-26	-0.4778	5.24E-28	-0.41536	6.65E-21
4.81E-07	-0.27246	2.16E-09	-0.32156	1.08E-12	-0.30896	8.70E-12	-0.24339	1.00E-07
4.80E-05	-0.16543	0.00033	-0.32236	9.40E-13	-0.25632	1.93E-08	-0.3346	1.12E-13
0.00485	-0.06788	0.14304	-0.1648	0.00035	-0.12218	0.00821	-0.13864	0.00268
1.53E-18	-0.2714	2.50E-09	-0.55787	1.49E-39	-0.4904	1.25E-29	-0.47807	4.84E-28
1.78E-23	-0.3577	1.53E-15	-0.54717	7.94E-38	-0.52037	9.20E-34	-0.55354	7.57E-39
2.23E-16	-0.31118	6.07E-12	-0.53174	1.92E-35	-0.4744	1.39E-27	-0.48123	1.92E-28
5.62E-22	-0.34226	2.80E-14	-0.56784	3.22E-41	-0.51161	1.64E-32	-0.42053	1.95E-21
3.30E-17	-0.3345	1.14E-13	-0.47033	4.45E-27	-0.45262	5.77E-25	-0.37694	3.25E-17
4.67E-10	-0.30916	8.42E-12	-0.41803	3.54E-21	-0.37364	6.42E-17	-0.21539	2.64E-06
1.24E-09	-0.27864	8.95E-10	-0.49791	1.26E-30	-0.43232	1.09E-22	-0.25085	3.92E-08
1.15E-08	-0.19143	3.12E-05	-0.35573	2.23E-15	-0.32802	3.55E-13	-0.20553	7.55E-06
6.96E-09	-0.20067	1.25E-05	-0.49615	2.17E-30	-0.36844	1.84E-16	-0.2594	1.28E-08
5.71E-14	0.093316	0.04384	0.17481	0.00015	0.246572	6.75E-08	0.379218	2.03E-17
1.12E-20	-0.30998	7.38E-12	-0.44181	9.83E-24	-0.47699	6.61E-28	-0.43765	2.85E-23
2.72E-23	-0.2872	2.56E-10	-0.37113	1.07E-16	-0.43072	1.62E-22	-0.40463	7.98E-20
2.17E-07	-0.20787	5.91E-06	-0.22506	8.93E-07	-0.24381	9.53E-08	-0.45129	8.22E-25
1.00E-12	-0.21684	2.25E-06	-0.32011	1.38E-12	-0.35748	1.60E-15	-0.44018	1.49E-23
2.25E-20	-0.20809	5.78E-06	-0.41701	4.51E-21	-0.41826	3.35E-21	-0.54842	5.03E-38
5.26E-38	-0.35085	5.66E-15	-0.53614	4.14E-36	-0.56669	5.03E-41	-0.44074	1.29E-23
4.48E-28	-0.3936	9.36E-19	-0.53804	2.11E-36	-0.53518	5.80E-36	-0.51072	2.19E-32
9.72E-31	-0.26205	9.00E-09	-0.49673	1.82E-30	-0.51648	3.33E-33	-0.448	1.96E-24

4.73E-26	-0.29277	1.11E-10	-0.4378	2.74E-23	-0.46517	1.89E-26	-0.26049	1.11E-08
2.32E-26	-0.2169	2.23E-06	-0.47106	3.61E-27	-0.46718	1.08E-26	-0.42339	9.78E-22
3.96E-07	-0.20054	1.26E-05	-0.23124	4.36E-07	-0.24984	4.46E-08	-0.25599	2.01E-08
4.86E-08	0.18834	4.21E-05	0.225783	8.23E-07	0.242879	1.07E-07	0.448782	1.60E-24
1.52E-40	-0.39006	2.02E-18	-0.51626	3.58E-33	-0.59816	1.18E-46	-0.30964	7.79E-12
0.97699	0.109304	0.01814	-0.07643	0.09901	0.0065	0.88858	-0.41792	3.63E-21
8.02E-21	-0.2006	1.25E-05	-0.39344	9.71E-19	-0.4116	1.61E-20	-0.53787	2.25E-36
0.02188	0.052253	0.25977	0.015465	0.73888	0.120196	0.00932	-0.40373	9.80E-20
0.00085	-0.25814	1.52E-08	-0.24168	1.24E-07	-0.2282	6.22E-07	-0.28092	6.44E-10
0.00034	-0.0484	0.2966	-0.1354	0.00337	-0.14782	0.00136	-0.49767	1.36E-30
4.35E-10	-0.10549	0.02262	-0.32933	2.82E-13	-0.29894	4.28E-11	-0.26826	3.86E-09
2.65E-17	-0.23263	3.70E-07	-0.3774	2.96E-17	-0.39784	3.68E-19	-0.54873	4.48E-38
4.23E-20	-0.22875	5.84E-07	-0.50679	7.72E-32	-0.44473	4.61E-24	-0.43935	1.85E-23
0.50932	-0.13935	0.00254	-0.04362	0.34695	-0.03079	0.50688	-0.08322	0.07239
1.24E-20	-0.30753	1.10E-11	-0.47394	1.59E-27	-0.48183	1.61E-28	-0.57415	2.65E-42
9.52E-07	0.129322	0.00513	0.027998	0.54616	0.113036	0.01452	-0.31914	1.62E-12
0.00101	-0.13372	0.00379	-0.15362	0.00087	-0.19731	1.75E-05	-0.31835	1.85E-12
1.94E-08	-0.13258	0.0041	-0.34149	3.22E-14	-0.29814	4.84E-11	-0.3812	1.34E-17
1.77E-09	-0.36518	3.53E-16	-0.41806	3.51E-21	-0.41044	2.10E-20	-0.29115	1.41E-10
2.84E-10	0.157952	0.00061	0.15807	0.00061	0.221414	1.35E-06	0.230869	4.56E-07
4.91E-18	0.431588	1.31E-22	0.256756	1.82E-08	0.382617	9.93E-18	0.445069	4.22E-24
4.91E-21	0.334389	1.16E-13	0.325829	5.19E-13	0.426648	4.42E-22	0.417624	3.90E-21
7.02E-17	-0.16975	0.00023	-0.37838	2.41E-17	-0.38077	1.47E-17	-0.46701	1.13E-26
0.03941	-0.06521	0.15946	-0.03162	0.49551	-0.11082	0.01658	-0.37769	2.78E-17
1.34E-05	-0.03423	0.46059	-0.1588	0.00057	-0.15076	0.00108	-0.41877	2.96E-21
5.12E-07	0.311727	5.54E-12	0.26451	6.46E-09	0.296496	6.25E-11	0.473768	1.67E-27
4.10E-29	-0.34388	2.08E-14	-0.50633	8.93E-32	-0.52307	3.72E-34	-0.35331	3.55E-15
1.01E-14	-0.10164	0.02808	-0.29916	4.13E-11	-0.30827	9.72E-12	-0.49302	5.66E-30
1.41E-26	-0.39546	6.22E-19	-0.48639	4.18E-29	-0.52618	1.30E-34	-0.54054	8.71E-37
3.65E-13	-0.19778	1.67E-05	-0.30909	8.51E-12	-0.32485	6.14E-13	-0.52093	7.63E-34
8.00E-05	-0.09287	0.04487	-0.23789	1.97E-07	-0.19769	1.68E-05	-0.44529	3.99E-24
9.59E-21	-0.24812	5.55E-08	-0.43556	4.83E-23	-0.45406	3.93E-25	-0.52718	9.22E-35
6.14E-20	-0.34048	3.87E-14	-0.45853	1.17E-25	-0.45568	2.54E-25	-0.35437	2.90E-15
9.53E-06	-0.13542	0.00337	-0.30239	2.49E-11	-0.29418	8.92E-11	-0.0814	0.07887
1.37E-06	-0.09714	0.03586	-0.16877	0.00025	-0.17812	0.00011	-0.35815	1.40E-15
3.57E-17	0.265214	5.87E-09	0.24949	4.66E-08	0.353676	3.31E-15	0.309323	8.20E-12
6.35E-10	-0.18476	5.91E-05	-0.26738	4.36E-09	-0.28721	2.55E-10	-0.28095	6.41E-10
6.50E-38	-0.3387	5.34E-14	-0.55336	8.11E-39	-0.58443	4.02E-44	-0.46712	1.10E-26
0.90528	0.008305	0.85794	-0.24613	7.13E-08	-0.06592	0.15492	-0.3474	1.08E-14
3.32E-47	-0.47959	3.11E-28	-0.70173	1.78E-70	-0.7014	2.20E-70	-0.46938	5.80E-27
1.28E-08	0.034459	0.45755	-0.11229	0.01519	-0.16826	0.00026	-0.23432	3.03E-07
6.17E-27	0.360985	8.07E-16	0.339529	4.60E-14	0.469986	4.90E-27	0.545958	1.24E-37
3.23E-05	-0.20335	9.46E-06	-0.28881	2.01E-10	-0.26796	4.03E-09	-0.36742	2.26E-16
7.26E-27	-0.31019	7.13E-12	-0.47676	7.07E-28	-0.52544	1.67E-34	-0.21438	2.94E-06
1.44E-17	-0.1751	0.00014	-0.27375	1.80E-09	-0.33178	1.84E-13	-0.55627	2.73E-39

3.42E-09	-0.17721	0.00012	-0.39077	1.74E-18	-0.32604	5.00E-13	-0.20759	6.09E-06
1.87E-23	-0.34119	3.40E-14	-0.44541	3.86E-24	-0.47834	4.47E-28	-0.59598	3.04E-46
6.79E-17	-0.0233	0.61544	0.139809	0.00246	0.178023	0.00011	0.539648	1.20E-36
2.24E-19	-0.37127	1.04E-16	-0.4447	4.65E-24	-0.49011	1.37E-29	-0.29445	8.55E-11
1.90E-07	-0.14205	0.00209	-0.26744	4.32E-09	-0.27111	2.60E-09	-0.34525	1.61E-14
3.66E-07	-0.05444	0.2403	-0.19119	3.20E-05	-0.19429	2.36E-05	-0.43858	2.25E-23
1.94E-31	-0.24261	1.11E-07	-0.4226	1.18E-21	-0.47252	2.38E-27	-0.54435	2.21E-37
5.75E-14	0.346934	1.18E-14	0.311722	5.55E-12	0.408147	3.57E-20	0.185923	5.29E-05
2.67E-14	-0.24097	1.35E-07	-0.34219	2.83E-14	-0.38	1.72E-17	-0.5564	2.60E-39
3.57E-35	-0.43807	2.55E-23	-0.5724	5.32E-42	-0.6189	1.03E-50	-0.45557	2.62E-25
1.12E-19	-0.15118	0.00105	-0.41285	1.20E-20	-0.38951	2.28E-18	-0.50355	2.16E-31
2.42E-23	-0.34579	1.46E-14	-0.46105	5.89E-26	-0.48348	9.93E-29	-0.26441	6.54E-09
5.05E-21	-0.136	0.00323	-0.39371	9.15E-19	-0.39126	1.56E-18	-0.55322	8.54E-39
2.42E-20	0.197964	1.64E-05	0.337416	6.73E-14	0.395056	6.80E-19	0.520759	8.07E-34
0.60741	-0.19465	2.28E-05	-0.11278	0.01475	-0.10456	0.02384	-0.32408	7.00E-13
2.05E-09	-0.17476	0.00015	-0.42294	1.09E-21	-0.35432	2.93E-15	-0.46744	1.00E-26
1.27E-20	0.212478	3.61E-06	0.297064	5.72E-11	0.364126	4.35E-16	0.339513	4.61E-14
1.62E-28	0.377209	3.08E-17	0.463755	2.80E-26	0.532786	1.34E-35	0.359024	1.18E-15
0.00019	0.039028	0.40009	-0.1319	0.0043	0.010645	0.81854	-0.1703	0.00022
1.53E-11	-0.09887	0.03267	-0.21169	3.94E-06	-0.26269	8.26E-09	-0.4855	5.45E-29
1.55E-30	0.366665	2.63E-16	0.216153	2.42E-06	0.415342	6.69E-21	0.520094	1.01E-33
2.11E-14	-0.22969	5.23E-07	-0.35901	1.19E-15	-0.39186	1.37E-18	-0.33577	9.05E-14
1.03E-05	-0.11289	0.01465	-0.32359	7.61E-13	-0.28259	5.05E-10	-0.44043	1.40E-23
5.80E-11	-0.13143	0.00444	-0.30089	3.15E-11	-0.28896	1.97E-10	-0.6395	4.59E-55
0.01966	-0.06831	0.14048	0.017693	0.70294	0.0245	0.59743	0.105776	0.02225
9.54E-07	-0.09094	0.04952	-0.29365	9.66E-11	-0.25784	1.58E-08	-0.57968	2.84E-43
9.02E-23	-0.29105	1.44E-10	-0.39382	8.93E-19	-0.44985	1.20E-24	-0.49202	7.68E-30
3.70E-32	-0.31329	4.29E-12	-0.53849	1.80E-36	-0.54934	3.59E-38	-0.55217	1.26E-38
0.92084	0.012795	0.78272	-0.00096	0.98355	0.01135	0.80674	-0.41367	9.90E-21
0.31197	0.05133	0.26829	0.159737	0.00053	0.090642	0.05028	-0.365	3.66E-16
0.00176	-0.07567	0.10242	-0.20951	4.97E-06	-0.15733	0.00064	-0.37239	8.27E-17
4.93E-25	-0.34174	3.08E-14	-0.4712	3.47E-27	-0.49881	9.52E-31	-0.47578	9.39E-28
8.36E-08	0.09917	0.03214	0.227684	6.61E-07	0.240857	1.37E-07	0.372968	7.36E-17
0.04284	-0.32687	4.33E-13	-0.39065	1.78E-18	-0.29804	4.92E-11	-0.25703	1.76E-08
3.15E-20	-0.38267	9.82E-18	-0.46024	7.36E-26	-0.49111	1.01E-29	-0.46576	1.60E-26
7.04E-18	-0.13144	0.00444	-0.36983	1.39E-16	-0.38272	9.71E-18	-0.62938	6.89E-53
4.27E-16	-0.16831	0.00026	-0.36133	7.55E-16	-0.36248	6.01E-16	-0.48291	1.17E-28
3.05E-15	-0.24535	7.87E-08	-0.32356	7.65E-13	-0.35243	4.20E-15	-0.47741	5.86E-28
1.09E-27	-0.34645	1.29E-14	-0.49096	1.06E-29	-0.53201	1.75E-35	-0.42984	2.01E-22
0.78863	-0.30053	3.33E-11	-0.22741	6.82E-07	-0.20805	5.80E-06	-0.16509	0.00034
4.84E-13	-0.3653	3.44E-16	-0.4202	2.11E-21	-0.46226	4.23E-26	-0.39497	6.93E-19
5.99E-18	-0.18175	7.81E-05	-0.38063	1.51E-17	-0.3871	3.83E-18	-0.32831	3.37E-13
1.47E-17	0.161772	0.00045	0.167653	0.00027	0.269392	3.30E-09	0.584785	3.47E-44
0.09117	0.036846	0.42697	0.001782	0.96937	-0.00407	0.93016	-0.33257	1.60E-13
1.70E-17	0.265953	5.30E-09	0.139342	0.00255	0.275945	1.32E-09	0.528242	6.41E-35

4.45E-10	-0.36311	5.31E-16	-0.44805	1.93E-24	-0.4219	1.40E-21	-0.42565	5.64E-22
2.10E-37	-0.33496	1.05E-13	-0.50227	3.23E-31	-0.55113	1.85E-38	-0.61451	7.86E-50
2.88E-12	-0.13799	0.0028	-0.33067	2.23E-13	-0.31421	3.69E-12	-0.44939	1.36E-24
1.20E-20	-0.22838	6.09E-07	-0.39391	8.75E-19	-0.4291	2.42E-22	-0.23254	3.74E-07
8.98E-09	-0.14952	0.00119	-0.29146	1.35E-10	-0.26189	9.20E-09	-0.49282	6.01E-30
2.53E-09	-0.46206	4.46E-26	-0.42062	1.91E-21	-0.43699	3.37E-23	-0.50708	7.05E-32
0.02431	-0.08303	0.07305	-0.20545	7.61E-06	-0.16567	0.00032	-0.08853	0.05591
7.10E-13	-0.14893	0.00125	-0.17728	0.00012	-0.24163	1.25E-07	-0.44915	1.45E-24
2.45E-32	-0.43218	1.13E-22	-0.49726	1.54E-30	-0.57251	5.08E-42	-0.48307	1.12E-28
7.26E-09	0.240933	1.36E-07	0.275304	1.44E-09	0.288339	2.16E-10	0.443689	6.04E-24
8.24E-06	-0.21734	2.13E-06	-0.29333	1.02E-10	-0.25984	1.21E-08	-0.35842	1.33E-15
1.80E-10	-0.09788	0.03447	-0.28536	3.36E-10	-0.28009	7.26E-10	-0.26308	7.83E-09
2.33E-18	0.431077	1.48E-22	0.306974	1.20E-11	0.410329	2.16E-20	0.460272	7.30E-26
8.31E-34	0.425633	5.67E-22	0.43431	6.61E-23	0.551091	1.88E-38	0.328066	3.52E-13
2.73E-08	-0.35693	1.77E-15	-0.34627	1.33E-14	-0.32833	3.37E-13	-0.34541	1.56E-14
0.05818	0.084384	0.06847	0.036041	0.43715	-0.01559	0.73685	-0.30021	3.51E-11
7.88E-06	-0.11383	0.01384	-0.19677	1.84E-05	-0.22245	1.20E-06	-0.53332	1.11E-35
1.69E-24	-0.15907	0.00056	-0.3963	5.17E-19	-0.41355	1.02E-20	-0.32869	3.16E-13
3.73E-15	-0.21587	2.50E-06	-0.33536	9.73E-14	-0.33438	1.16E-13	-0.27463	1.59E-09
6.95E-07	-0.21368	3.17E-06	-0.24993	4.41E-08	-0.27855	9.06E-10	-0.44139	1.09E-23
5.35E-27	-0.34725	1.11E-14	-0.4656	1.68E-26	-0.5088	4.06E-32	-0.35846	1.32E-15
0.00331	-0.10249	0.02677	-0.18331	6.76E-05	-0.17531	0.00014	-0.4834	1.02E-28
3.07E-06	-0.09513	0.03989	-0.19534	2.13E-05	-0.19842	1.56E-05	-0.48063	2.29E-28
1.51E-08	-0.02886	0.53391	-0.36277	5.68E-16	-0.27117	2.58E-09	-0.1932	2.63E-05
0.02015	0.139618	0.0025	-0.14182	0.00213	-0.07613	0.10034	-0.18582	5.34E-05
2.21E-13	-0.25335	2.84E-08	-0.37763	2.82E-17	-0.38624	4.61E-18	-0.38585	5.01E-18
1.91E-23	-0.22242	1.21E-06	-0.38912	2.48E-18	-0.42907	2.44E-22	-0.45082	9.30E-25
0.00011	-0.09726	0.03562	-0.16859	0.00025	-0.14561	0.0016	-0.369	1.64E-16
0.30557	0.032434	0.48442	0.002832	0.95133	-0.00437	0.92501	-0.21321	3.34E-06
2.58E-19	-0.16908	0.00024	-0.485	6.33E-29	-0.43253	1.03E-22	-0.18114	8.27E-05
6.93E-21	-0.24348	9.93E-08	-0.39652	4.92E-19	-0.42497	6.66E-22	-0.55731	1.84E-39
6.30E-06	-0.07258	0.11729	-0.06124	0.1865	-0.1222	0.0082	-0.30213	2.59E-11
3.97E-27	-0.25577	2.07E-08	-0.45363	4.41E-25	-0.48155	1.75E-28	-0.60252	1.76E-47
4.56E-15	-0.20797	5.84E-06	-0.41949	2.50E-21	-0.39591	5.64E-19	-0.57166	7.14E-42
0.00016	-0.0527	0.25567	-0.16301	0.0004	-0.14204	0.00209	-0.36358	4.85E-16
8.00E-09	-0.143	0.00195	-0.20052	1.26E-05	-0.25307	2.94E-08	-0.21739	2.12E-06
8.57E-15	-0.37372	6.31E-17	-0.58271	8.18E-44	-0.52791	7.19E-35	-0.31166	5.61E-12
3.69E-26	0.456516	2.03E-25	0.50558	1.13E-31	0.542913	3.72E-37	0.558546	1.15E-39
2.91E-07	-0.19681	1.84E-05	-0.30637	1.32E-11	-0.29223	1.20E-10	-0.33831	5.74E-14
1.21E-15	-0.11373	0.01393	-0.30445	1.79E-11	-0.33193	1.79E-13	-0.41758	3.94E-21
6.80E-12	-0.2853	3.39E-10	-0.30656	1.28E-11	-0.32094	1.20E-12	-0.38078	1.46E-17
1.85E-13	-0.12007	0.0094	-0.2599	1.20E-08	-0.2729	2.02E-09	-0.13796	0.00281
2.38E-11	-0.06716	0.14731	-0.25977	1.22E-08	-0.25457	2.42E-08	-0.52636	1.22E-34
6.97E-17	-0.33447	1.14E-13	-0.3711	1.08E-16	-0.40181	1.51E-19	-0.65439	2.02E-58
5.09E-24	0.394516	7.66E-19	0.332524	1.61E-13	0.466894	1.17E-26	0.367618	2.17E-16

2.70E-05	-0.16083	0.00049	-0.21004	4.69E-06	-0.2206	1.48E-06	-0.38584	5.02E-18
2.42E-16	0.035038	0.45002	0.202646	1.02E-05	0.248029	5.61E-08	0.544205	2.33E-37
0.00047	-0.29186	1.27E-10	-0.45029	1.07E-24	-0.36405	4.41E-16	-0.24944	4.69E-08
1.70E-10	0.283265	4.57E-10	0.408979	2.95E-20	0.350155	6.45E-15	0.591028	2.53E-45
9.79E-06	0.320612	1.26E-12	0.306372	1.32E-11	0.314872	3.30E-12	0.517469	2.41E-33
3.30E-32	-0.47023	4.57E-27	-0.66601	3.56E-61	-0.65457	1.84E-58	-0.41545	6.51E-21
2.60E-28	-0.35338	3.50E-15	-0.49092	1.07E-29	-0.5275	8.26E-35	-0.41657	5.01E-21
3.96E-10	-0.14143	0.00219	-0.21724	2.15E-06	-0.24025	1.48E-07	-0.38901	2.54E-18
0.16871	-0.05702	0.21871	-0.13387	0.00375	-0.07268	0.11675	-0.36764	2.16E-16
1.92E-11	-0.30335	2.14E-11	-0.20104	1.20E-05	-0.33895	5.10E-14	-0.41722	4.29E-21
2.12E-09	-0.2031	9.71E-06	-0.24212	1.18E-07	-0.28157	5.86E-10	-0.28937	1.85E-10
6.36E-24	-0.43994	1.58E-23	-0.4837	9.29E-29	-0.53591	4.48E-36	-0.62276	1.66E-51
0.27813	-0.07193	0.12058	-0.16776	0.00027	-0.13775	0.00285	-0.33714	7.07E-14
4.60E-05	0.088866	0.05498	-0.12443	0.0071	-0.09265	0.04538	-0.27545	1.41E-09
3.72E-38	-0.42272	1.15E-21	-0.56391	1.48E-40	-0.60256	1.72E-47	-0.47376	1.68E-27
0.26468	0.047995	0.30067	0.008226	0.85927	0.012695	0.78439	-0.25193	3.41E-08
5.40E-10	-0.1772	0.00012	-0.41726	4.25E-21	-0.3587	1.26E-15	-0.35206	4.51E-15
2.80E-16	-0.32159	1.07E-12	-0.41151	1.64E-20	-0.42653	4.55E-22	-0.49172	8.41E-30
7.52E-10	-0.19156	3.08E-05	-0.26549	5.65E-09	-0.29144	1.35E-10	-0.39773	3.76E-19
7.51E-05	-0.02876	0.53532	-0.31062	6.65E-12	-0.21629	2.39E-06	-0.18818	4.27E-05
4.90E-33	-0.27009	3.00E-09	-0.41885	2.91E-21	-0.46823	8.04E-27	-0.44107	1.19E-23
1.09E-05	-0.07263	0.117	-0.13288	0.00402	-0.16232	0.00043	-0.19885	1.50E-05
9.81E-15	-0.12309	0.00774	-0.32473	6.26E-13	-0.31727	2.22E-12	-0.48639	4.18E-29
1.60E-18	-0.23236	3.82E-07	-0.41977	2.33E-21	-0.43712	3.25E-23	-0.41876	2.97E-21
9.70E-39	-0.48648	4.07E-29	-0.60324	1.28E-47	-0.65202	7.12E-58	-0.52703	9.72E-35
1.51E-23	-0.34602	1.40E-14	-0.66007	9.44E-60	-0.57654	1.01E-42	-0.42557	5.75E-22
2.14E-06	-0.21398	3.07E-06	-0.30436	1.82E-11	-0.29513	7.71E-11	-0.428	3.17E-22
2.02E-13	-0.13676	0.00306	-0.23693	2.22E-07	-0.28439	3.88E-10	-0.27172	2.39E-09
4.03E-22	-0.16998	0.00022	-0.35381	3.23E-15	-0.39925	2.68E-19	-0.25868	1.41E-08
0.00533	0.114047	0.01366	0.103455	0.02537	0.119446	0.00978	0.706909	6.09E-72
6.40E-32	-0.41891	2.87E-21	-0.52504	1.91E-34	-0.56427	1.29E-40	-0.54664	9.65E-38
0.06574	-0.06967	0.13273	0.046204	0.31908	-0.05754	0.21459	-0.40109	1.78E-19
0.32777	0.075704	0.10227	-0.11824	0.01055	-0.05468	0.23829	-0.37958	1.88E-17
2.25E-17	-0.3034	2.12E-11	-0.40421	8.79E-20	-0.42482	6.90E-22	-0.39342	9.75E-19
2.23E-14	-0.42231	1.27E-21	-0.51273	1.14E-32	-0.48557	5.34E-29	-0.35481	2.66E-15
2.60E-25	-0.41892	2.86E-21	-0.49269	6.27E-30	-0.5179	2.09E-33	-0.74281	4.68E-83
2.54E-11	-0.15304	0.00091	-0.2883	2.17E-10	-0.32775	3.72E-13	-0.32513	5.85E-13
3.17E-07	-0.07489	0.10605	-0.20241	1.04E-05	-0.20379	9.05E-06	-0.41847	3.19E-21
1.56E-17	0.308098	1.00E-11	0.411715	1.56E-20	0.423431	9.68E-22	0.304528	1.77E-11
1.97E-27	-0.33027	2.40E-13	-0.4634	3.09E-26	-0.50113	4.62E-31	-0.5585	1.17E-39
1.25E-18	-0.20774	5.99E-06	-0.34585	1.44E-14	-0.39504	6.83E-19	-0.5298	3.76E-35
7.39E-39	-0.43559	4.79E-23	-0.50665	8.08E-32	-0.57969	2.82E-43	-0.58471	3.59E-44
1.97E-09	-0.28475	3.67E-10	-0.41279	1.22E-20	-0.379	2.12E-17	-0.37548	4.40E-17
3.85E-32	-0.28057	6.77E-10	-0.5116	1.64E-32	-0.54657	9.90E-38	-0.27362	1.83E-09
0.26985	-0.09866	0.03304	-0.24133	1.30E-07	-0.14802	0.00134	-0.28623	2.95E-10



4.70E-09	-0.38216	1.09E-17	-0.30074	3.23E-11	-0.35492	2.61E-15	-0.32806	3.52E-13
1.82E-23	-0.21212	3.76E-06	-0.32657	4.56E-13	-0.38407	7.31E-18	-0.59102	2.54E-45
9.12E-12	-0.27149	2.47E-09	-0.3398	4.38E-14	-0.34048	3.87E-14	-0.20205	1.08E-05
0.08196	-0.24616	7.10E-08	-0.14071	0.0023	-0.18179	7.79E-05	-0.29304	1.06E-10
9.09E-14	-0.11356	0.01407	-0.40941	2.67E-20	-0.33241	1.64E-13	-0.13457	0.00357
0.58663	0.078729	0.08924	-0.12701	0.00599	-0.0622	0.17967	-0.29615	6.59E-11
8.13E-05	0.290626	1.53E-10	0.302731	2.36E-11	0.27664	1.19E-09	0.55063	2.23E-38
0.02738	-0.14703	0.00144	-0.06255	0.17719	-0.01961	0.67258	0.616861	2.65E-50
2.47E-11	-0.36623	2.86E-16	-0.38863	2.76E-18	-0.41847	3.19E-21	-0.41945	2.52E-21
0.19739	0.049601	0.28476	-0.15521	0.00076	-0.04519	0.3298	-0.34872	8.45E-15
0.00961	-0.33839	5.65E-14	-0.35703	1.74E-15	-0.31243	4.94E-12	-0.40738	4.27E-20
6.99E-30	0.388629	2.76E-18	0.447919	2.00E-24	0.475086	1.14E-27	0.373383	6.76E-17
4.31E-14	-0.00588	0.89909	-0.09274	0.04517	-0.22842	6.07E-07	-0.40226	1.37E-19
0.00495	-0.23705	2.18E-07	-0.15079	0.00108	-0.17593	0.00013	-0.3871	3.83E-18
5.58E-08	-0.41677	4.77E-21	-0.52513	1.85E-34	-0.47159	3.11E-27	-0.3343	1.18E-13
3.52E-14	-0.23936	1.65E-07	-0.32649	4.63E-13	-0.3516	4.92E-15	-0.23932	1.66E-07
6.14E-07	-0.28198	5.52E-10	-0.28775	2.36E-10	-0.34239	2.73E-14	-0.24189	1.21E-07
2.42E-09	-0.28989	1.71E-10	-0.29426	8.81E-11	-0.3126	4.81E-12	-0.3699	1.37E-16
1.63E-07	-0.14272	0.00199	-0.24156	1.26E-07	-0.25505	2.28E-08	-0.32524	5.74E-13
6.30E-14	-0.24536	7.85E-08	-0.16958	0.00023	-0.32597	5.06E-13	-0.28121	6.17E-10
1.72E-12	-0.13067	0.00468	-0.19813	1.61E-05	-0.30137	2.92E-11	-0.39296	1.08E-18
1.33E-09	-0.14879	0.00126	-0.26906	3.46E-09	-0.30072	3.24E-11	-0.43093	1.54E-22
3.90E-28	0.212861	3.47E-06	0.375993	3.96E-17	0.429483	2.20E-22	0.438265	2.43E-23
1.29E-07	-0.15455	0.00081	-0.27855	9.07E-10	-0.29433	8.72E-11	-0.41652	5.06E-21
3.29E-09	0.419362	2.58E-21	0.33102	2.10E-13	0.383151	8.87E-18	0.681338	5.28E-65
7.52E-13	-0.26583	5.39E-09	-0.54253	4.26E-37	-0.46543	1.76E-26	-0.09448	0.04127
6.85E-08	-0.40079	1.90E-19	-0.27979	7.58E-10	-0.34094	3.56E-14	-0.25885	1.38E-08
1.69E-11	-0.14103	0.00225	-0.34764	1.03E-14	-0.33832	5.72E-14	-0.45104	8.78E-25
2.47E-07	-0.3383	5.74E-14	-0.29239	1.17E-10	-0.32131	1.12E-12	-0.42346	9.61E-22
2.31E-38	0.311512	5.74E-12	0.435522	4.87E-23	0.502414	3.09E-31	0.607803	1.67E-48
7.06E-07	0.331492	1.93E-13	0.506021	9.87E-32	0.400725	1.93E-19	0.275087	1.49E-09
9.61E-19	-0.21787	2.01E-06	-0.31622	2.64E-12	-0.38746	3.54E-18	-0.38983	2.13E-18
1.53E-27	-0.26992	3.07E-09	-0.44759	2.19E-24	-0.46997	4.91E-27	-0.5907	2.91E-45
1.38E-07	-0.22025	1.54E-06	-0.37665	3.45E-17	-0.30424	1.86E-11	-0.43145	1.35E-22
1.38E-10	-0.3168	2.40E-12	-0.31924	1.59E-12	-0.36874	1.73E-16	-0.29713	5.66E-11
1.03E-21	-0.30617	1.36E-11	-0.44438	5.06E-24	-0.48569	5.14E-29	-0.45809	1.32E-25
5.55E-06	0.320715	1.24E-12	0.386496	4.36E-18	0.369155	1.59E-16	0.600162	4.95E-47
8.37E-15	-0.27869	8.89E-10	-0.48276	1.23E-28	-0.41544	6.53E-21	-0.34506	1.67E-14
6.16E-46	0.363912	4.54E-16	0.48765	2.87E-29	0.563878	1.50E-40	0.531806	1.88E-35
1.15E-18	-0.4746	1.32E-27	-0.51511	5.24E-33	-0.51694	2.87E-33	-0.47969	3.02E-28
9.49E-18	-0.43507	5.46E-23	-0.39586	5.70E-19	-0.43607	4.25E-23	-0.37152	9.88E-17
6.91E-15	-0.28664	2.78E-10	-0.41656	5.02E-21	-0.44139	1.09E-23	-0.40891	3.00E-20
8.06E-17	-0.20141	1.15E-05	-0.38986	2.11E-18	-0.39904	2.81E-19	-0.18182	7.76E-05
1.27E-16	0.233272	3.43E-07	0.218042	1.97E-06	0.343157	2.37E-14	0.388709	2.71E-18
0.11013	-0.0839	0.07006	-0.30999	7.37E-12	-0.20248	1.04E-05	-0.01028	0.82462

1.31E-08	-0.13355	0.00384	-0.26452	6.45E-09	-0.27493	1.52E-09	-0.42246	1.22E-21
0.08142	0.045974	0.3215	-0.16444	0.00036	0.003449	0.94075	-0.33216	1.72E-13
7.11E-05	-0.091	0.04937	-0.16052	0.0005	-0.16758	0.00028	-0.29984	3.71E-11
6.01E-09	-0.31949	1.53E-12	-0.33671	7.65E-14	-0.33734	6.83E-14	-0.45892	1.05E-25
4.41E-08	-0.22783	6.50E-07	-0.27161	2.43E-09	-0.26274	8.20E-09	-0.37574	4.17E-17
8.62E-15	-0.18709	4.74E-05	-0.33447	1.14E-13	-0.36979	1.40E-16	-0.423	1.07E-21
4.77E-22	-0.25891	1.37E-08	-0.39498	6.92E-19	-0.43731	3.10E-23	-0.54873	4.50E-38
4.25E-24	-0.3346	1.12E-13	-0.41146	1.66E-20	-0.46609	1.46E-26	-0.48373	9.21E-29
1.58E-10	0.324776	6.22E-13	0.251931	3.41E-08	0.342375	2.74E-14	0.54569	1.36E-37
1.68E-28	-0.32684	4.35E-13	-0.45539	2.74E-25	-0.49161	8.69E-30	-0.56885	2.16E-41
6.17E-22	0.42327	1.01E-21	0.294336	8.71E-11	0.41982	2.31E-21	0.432391	1.07E-22
1.96E-18	-0.23312	3.49E-07	-0.36346	4.96E-16	-0.39169	1.42E-18	-0.56695	4.55E-41
1.25E-16	-0.23466	2.91E-07	-0.36838	1.86E-16	-0.397	4.43E-19	-0.23322	3.45E-07
0.08848	0.107427	0.02023	0.086772	0.06098	0.000812	0.98604	-0.2844	3.87E-10
1.22E-08	0.125599	0.00657	0.212595	3.57E-06	0.223162	1.11E-06	0.502538	2.97E-31
1.16E-08	-0.18835	4.20E-05	-0.40485	7.59E-20	-0.32841	3.32E-13	-0.17883	0.0001
5.44E-05	0.133168	0.00394	0.258638	1.42E-08	0.237845	1.98E-07	0.357095	1.72E-15
1.23E-05	-0.00592	0.8984	-0.04226	0.36222	-0.08366	0.07089	-0.43966	1.71E-23
2.75E-07	-0.21091	4.28E-06	-0.22726	6.94E-07	-0.28318	4.63E-10	-0.42973	2.07E-22
2.12E-11	-0.01662	0.72023	-0.20468	8.25E-06	-0.19885	1.50E-05	-0.46549	1.73E-26
3.90E-05	-0.16979	0.00023	-0.23121	4.38E-07	-0.21096	4.25E-06	-0.17761	0.00011
1.62E-14	-0.24142	1.28E-07	-0.36841	1.85E-16	-0.41911	2.74E-21	-0.1262	0.00632
3.00E-16	-0.12616	0.00633	-0.32065	1.26E-12	-0.34266	2.60E-14	-0.30472	1.72E-11
6.25E-24	-0.43587	4.46E-23	-0.58774	1.01E-44	-0.55797	1.44E-39	-0.42289	1.10E-21
2.43E-33	-0.33177	1.84E-13	-0.59934	7.09E-47	-0.60663	2.82E-48	-0.37685	3.31E-17
4.88E-11	0.494036	4.15E-30	0.417222	4.29E-21	0.463547	2.96E-26	0.506327	8.95E-32
1.26E-11	-0.27379	1.79E-09	-0.38672	4.16E-18	-0.36213	6.45E-16	-0.37319	7.04E-17
1.59E-11	-0.00731	0.8748	-0.26893	3.52E-09	-0.22897	5.69E-07	-0.2245	9.53E-07
1.32E-14	-0.09031	0.05114	-0.27844	9.21E-10	-0.28154	5.88E-10	-0.52927	4.50E-35
1.23E-08	-0.36534	3.42E-16	-0.36014	9.51E-16	-0.3777	2.78E-17	-0.38934	2.37E-18
3.25E-18	-0.34895	8.09E-15	-0.37065	1.18E-16	-0.42293	1.09E-21	-0.25658	1.86E-08
1.03E-52	-0.35654	1.91E-15	-0.43662	3.69E-23	-0.5883	8.00E-45	-0.36784	2.08E-16
1.53E-09	-0.31504	3.21E-12	-0.56526	8.78E-41	-0.48211	1.48E-28	-0.30482	1.69E-11
6.78E-15	-0.27425	1.67E-09	-0.45684	1.85E-25	-0.40905	2.90E-20	-0.44088	1.25E-23
0.00302	0.081266	0.07937	-0.10838	0.01914	-0.09294	0.04471	-0.26962	3.20E-09
0.02873	-0.04356	0.34756	-0.11005	0.01735	-0.12315	0.00772	-0.35447	2.85E-15
1.69E-08	0.214583	2.88E-06	0.299596	3.86E-11	0.283228	4.60E-10	0.37212	8.74E-17
0.60675	0.000725	0.98754	-0.28844	2.12E-10	-0.12687	0.00604	-0.18121	8.21E-05
7.86E-10	-0.2603	1.14E-08	-0.35471	2.72E-15	-0.3454	1.57E-14	-0.31711	2.28E-12
2.57E-15	-0.28209	5.43E-10	-0.48568	5.17E-29	-0.45287	5.40E-25	-0.23346	3.36E-07
0.11195	0.080205	0.08338	-0.34829	9.17E-15	-0.16995	0.00022	-0.28388	4.18E-10
0.00021	-0.00067	0.98849	0.054895	0.23641	0.081841	0.07726	0.511462	1.72E-32
9.31E-10	-0.24744	6.05E-08	-0.41397	9.23E-21	-0.38131	1.31E-17	-0.44385	5.80E-24
1.18E-12	0.226375	7.69E-07	0.272708	2.08E-09	0.340083	4.16E-14	0.434741	5.93E-23
1.14E-35	-0.42431	7.81E-22	-0.5287	5.49E-35	-0.58262	8.51E-44	-0.56467	1.10E-40

2.58E-18	-0.27918	8.28E-10	-0.38682	4.06E-18	-0.40719	4.45E-20	-0.58301	7.24E-44
0.53088	-0.15631	0.0007	-0.14149	0.00218	-0.08607	0.06311	-0.32148	1.09E-12
8.31E-21	-0.24576	7.47E-08	-0.39623	5.25E-19	-0.42783	3.31E-22	-0.56917	1.91E-41
7.29E-09	-0.36731	2.31E-16	-0.5172	2.63E-33	-0.43766	2.83E-23	-0.42322	1.02E-21
5.53E-14	-0.19048	3.42E-05	-0.42877	2.63E-22	-0.39073	1.75E-18	-0.4235	9.52E-22
1.72E-40	0.472854	2.17E-27	0.407052	4.59E-20	0.56159	3.61E-40	0.412583	1.28E-20
0.77908	-0.08123	0.0795	-0.12869	0.00535	-0.08907	0.05442	-0.24479	8.44E-08
0.33566	-0.09807	0.03412	-0.18585	5.33E-05	-0.13607	0.00322	-0.43499	5.58E-23
4.51E-20	0.363609	4.82E-16	0.34877	8.37E-15	0.434642	6.08E-23	0.157776	0.00062
9.87E-09	-0.29297	1.07E-10	-0.37955	1.89E-17	-0.35186	4.67E-15	-0.52465	2.18E-34
1.41E-17	0.225247	8.75E-07	0.262976	7.95E-09	0.32856	3.23E-13	0.220481	1.50E-06
7.37E-10	-0.31209	5.22E-12	-0.34964	7.11E-15	-0.37594	4.00E-17	-0.49006	1.39E-29
1.17E-16	-0.39615	5.34E-19	-0.38235	1.05E-17	-0.42859	2.75E-22	-0.38629	4.56E-18
1.21E-10	0.422543	1.20E-21	0.197056	1.79E-05	0.324837	6.15E-13	0.381486	1.26E-17
0.01343	0.111596	0.01584	0.130259	0.00481	0.129719	0.00499	0.565336	8.52E-41
0.00045	-0.05812	0.20993	-0.22587	8.15E-07	-0.18977	3.67E-05	-0.48193	1.57E-28
1.35E-19	0.226999	7.15E-07	0.499463	7.78E-31	0.442512	8.19E-24	0.506948	7.34E-32
2.26E-08	-0.04821	0.2985	-0.12239	0.0081	-0.17798	0.00011	-0.22189	1.28E-06
1.35E-15	-0.2127	3.53E-06	-0.35774	1.52E-15	-0.37904	2.10E-17	-0.36509	3.59E-16
3.76E-06	-0.13787	0.00283	-0.2503	4.20E-08	-0.21262	3.56E-06	-0.36966	1.44E-16
9.64E-08	0.332535	1.61E-13	0.179305	9.78E-05	0.285775	3.16E-10	0.408499	3.29E-20
8.21E-10	-0.4973	1.52E-30	-0.42482	6.90E-22	-0.4227	1.15E-21	-0.38941	2.33E-18
3.44E-08	-0.16171	0.00045	-0.27291	2.02E-09	-0.26521	5.87E-09	-0.46578	1.59E-26
5.77E-23	-0.25729	1.70E-08	-0.4197	2.38E-21	-0.46874	6.95E-27	-0.5449	1.81E-37
3.21E-09	-0.24062	1.41E-07	-0.39506	6.80E-19	-0.31762	2.09E-12	-0.30579	1.45E-11
4.56E-13	-0.19196	2.97E-05	-0.34526	1.61E-14	-0.36341	5.01E-16	-0.44025	1.46E-23
9.69E-21	-0.09697	0.03617	-0.3406	3.78E-14	-0.35356	3.38E-15	-0.22695	7.19E-07
6.82E-19	0.230745	4.62E-07	0.150604	0.0011	0.336605	7.79E-14	0.437689	2.82E-23
2.87E-12	-0.33227	1.69E-13	-0.25014	4.29E-08	-0.34218	2.83E-14	-0.56592	6.80E-41
1.05E-14	-0.13571	0.0033	-0.36922	1.57E-16	-0.34868	8.52E-15	-0.29383	9.40E-11
8.08E-25	-0.22138	1.36E-06	-0.28867	2.05E-10	-0.39013	1.99E-18	-0.3463	1.33E-14
0.00089	0.033324	0.47251	-0.2218	1.29E-06	-0.13226	0.00419	-0.46983	5.12E-27
6.12E-27	-0.21892	1.79E-06	-0.43538	5.05E-23	-0.44857	1.69E-24	-0.54085	7.80E-37
1.08E-08	-0.41793	3.63E-21	-0.35801	1.44E-15	-0.37478	5.08E-17	-0.50747	6.21E-32
2.34E-17	-0.38139	1.29E-17	-0.42483	6.89E-22	-0.46676	1.21E-26	-0.53107	2.42E-35
6.77E-23	-0.19076	3.33E-05	-0.44576	3.53E-24	-0.43425	6.71E-23	-0.36608	2.95E-16
5.47E-14	-0.25097	3.86E-08	-0.50455	1.57E-31	-0.438	2.61E-23	-0.3145	3.52E-12
8.06E-05	-0.18872	4.06E-05	-0.24326	1.02E-07	-0.22187	1.28E-06	-0.21745	2.10E-06
1.25E-09	-0.19474	2.26E-05	-0.29813	4.85E-11	-0.3133	4.28E-12	-0.38188	1.16E-17
0.39664	0.06574	0.15608	0.022038	0.63477	-0.04634	0.3177	-0.40413	8.95E-20
1.74E-06	0.012936	0.78039	-0.46372	2.82E-26	-0.29199	1.24E-10	-0.09077	0.04997
0.00062	-0.17296	0.00017	-0.26424	6.70E-09	-0.22	1.58E-06	-0.39807	3.49E-19
1.30E-32	-0.24709	6.32E-08	-0.42487	6.83E-22	-0.46174	4.88E-26	-0.52557	1.60E-34
1.85E-28	-0.3194	1.55E-12	-0.54112	7.06E-37	-0.54421	2.33E-37	-0.50871	4.18E-32
0.50904	0.180774	8.55E-05	0.028042	0.54551	0.108074	0.01949	-0.29404	9.11E-11

2.91E-06	-0.12817	0.00554	-0.2687	3.64E-09	-0.26211	8.93E-09	-0.15165	0.00101
2.85E-07	-0.14253	0.00202	-0.2727	2.08E-09	-0.26812	3.94E-09	-0.36723	2.35E-16
1.14E-20	-0.24471	8.52E-08	-0.40137	1.67E-19	-0.42963	2.12E-22	-0.34221	2.82E-14
9.95E-05	0.301125	3.04E-11	0.415439	6.54E-21	0.344553	1.83E-14	0.333561	1.34E-13
1.32E-29	-0.27922	8.23E-10	-0.44917	1.44E-24	-0.48479	6.74E-29	-0.46132	5.48E-26
2.80E-05	-0.35475	2.70E-15	-0.32133	1.12E-12	-0.32044	1.30E-12	-0.42046	1.98E-21
0.0868	-0.09757	0.03503	-0.01505	0.74564	0.010839	0.81529	0.326376	4.72E-13
0.00047	-0.18747	4.57E-05	-0.26385	7.06E-09	-0.22545	8.55E-07	-0.04054	0.38212
1.08E-22	0.095077	0.04	0.039086	0.39939	0.227974	6.39E-07	0.557608	1.65E-39
0.85065	-0.10548	0.02263	-0.03373	0.46707	-0.02356	0.61153	-0.37561	4.28E-17
1.10E-07	0.502686	2.83E-31	0.253829	2.67E-08	0.358879	1.22E-15	0.459717	8.49E-26
0.05311	-0.017	0.71405	-0.23971	1.58E-07	-0.07062	0.12755	-0.3503	6.28E-15
6.42E-13	-0.24814	5.53E-08	-0.33583	8.94E-14	-0.35037	6.19E-15	-0.42447	7.52E-22
5.22E-05	0.319976	1.41E-12	0.483306	1.04E-28	0.34715	1.13E-14	0.251897	3.43E-08
9.88E-09	-0.26904	3.47E-09	-0.33619	8.40E-14	-0.33136	1.98E-13	-0.48696	3.52E-29
1.71E-18	-0.2409	1.37E-07	-0.35496	2.59E-15	-0.38694	3.96E-18	-0.28931	1.87E-10
4.21E-10	-0.11892	0.01011	-0.38224	1.08E-17	-0.3064	1.31E-11	-0.33764	6.46E-14
2.47E-24	-0.42034	2.04E-21	-0.47751	5.69E-28	-0.53148	2.11E-35	-0.41055	2.05E-20
0.00051	-0.28863	2.07E-10	-0.31031	6.99E-12	-0.27544	1.41E-09	-0.21113	4.18E-06
3.18E-05	-0.21221	3.72E-06	-0.23533	2.69E-07	-0.24299	1.06E-07	-0.47655	7.50E-28
0.7579	-0.08457	0.06786	-0.22259	1.18E-06	-0.14877	0.00126	-0.43776	2.76E-23
0.21139	0.019952	0.66716	-0.03149	0.49728	0.007654	0.86897	-0.52878	5.33E-35
7.65E-13	-0.16833	0.00026	-0.24905	4.93E-08	-0.29825	4.76E-11	-0.38332	8.56E-18
3.25E-21	-0.31044	6.84E-12	-0.63906	5.72E-55	-0.5696	1.61E-41	-0.24253	1.12E-07
2.00E-06	-0.20214	1.07E-05	-0.29113	1.42E-10	-0.27451	1.61E-09	-0.27466	1.58E-09
7.47E-15	-0.31894	1.68E-12	-0.33345	1.37E-13	-0.37817	2.52E-17	-0.52615	1.31E-34
0.03059	0.014816	0.74948	-0.07767	0.09364	-0.10338	0.02548	-0.33955	4.58E-14
5.06E-19	-0.31493	3.28E-12	-0.35073	5.79E-15	-0.41486	7.48E-21	-0.46413	2.52E-26
3.95E-11	-0.2149	2.78E-06	-0.33981	4.37E-14	-0.34778	1.01E-14	-0.39336	9.87E-19
4.03E-34	-0.31506	3.20E-12	-0.57303	4.14E-42	-0.56254	2.51E-40	-0.34746	1.07E-14
2.80E-14	-0.10103	0.02904	-0.38907	2.51E-18	-0.34519	1.63E-14	-0.35285	3.87E-15
6.86E-27	-0.32477	6.23E-13	-0.52008	1.01E-33	-0.52974	3.84E-35	-0.66972	4.41E-62
1.19E-20	-0.20284	9.98E-06	-0.50664	8.10E-32	-0.45909	1.01E-25	-0.43217	1.13E-22
0.00049	0.066944	0.14862	0.142249	0.00206	0.175548	0.00014	0.312741	4.70E-12
7.10E-24	-0.33138	1.97E-13	-0.43694	3.40E-23	-0.47822	4.62E-28	-0.30537	1.55E-11
0.93568	0.010172	0.82646	-0.01832	0.69294	-0.02563	0.58057	-0.36034	9.15E-16
1.73E-14	-0.43923	1.90E-23	-0.45024	1.09E-24	-0.48199	1.54E-28	-0.50329	2.35E-31
8.06E-09	-0.21097	4.25E-06	-0.22492	9.08E-07	-0.28473	3.69E-10	-0.39949	2.54E-19
0.49586	-0.19639	1.92E-05	-0.19168	3.05E-05	-0.1377	0.00286	-0.29646	6.28E-11
4.64E-19	-0.21575	2.53E-06	-0.37712	3.13E-17	-0.38466	6.45E-18	-0.42885	2.58E-22
0.00064	-0.25514	2.25E-08	-0.32501	5.98E-13	-0.30515	1.60E-11	-0.346	1.40E-14
5.94E-09	-0.09165	0.04776	-0.33118	2.04E-13	-0.2651	5.96E-09	-0.20581	7.33E-06
2.84E-08	-0.39244	1.21E-18	-0.34914	7.81E-15	-0.37288	7.49E-17	-0.39248	1.20E-18
3.87E-22	-0.20823	5.69E-06	-0.4816	1.73E-28	-0.44332	6.65E-24	-0.41933	2.59E-21
6.08E-18	-0.35625	2.02E-15	-0.5912	2.35E-45	-0.55321	8.57E-39	-0.31606	2.71E-12

0.00267	0.191036	3.24E-05	0.138129	0.00278	0.137638	0.00288	0.429141	2.39E-22
2.34E-13	-0.27257	2.12E-09	-0.4579	1.39E-25	-0.43046	1.73E-22	-0.43712	3.25E-23
2.02E-39	-0.4153	6.75E-21	-0.61135	3.34E-49	-0.6343	6.17E-54	-0.48956	1.62E-29
2.77E-17	-0.24234	1.14E-07	-0.47298	2.09E-27	-0.46861	7.21E-27	-0.51544	4.70E-33
4.01E-15	-0.25967	1.24E-08	-0.4212	1.66E-21	-0.42507	6.50E-22	-0.54912	3.89E-38
1.55E-08	-0.1993	1.43E-05	-0.38676	4.12E-18	-0.30648	1.30E-11	-0.38791	3.22E-18
2.16E-34	-0.27267	2.09E-09	-0.5179	2.09E-33	-0.52456	2.25E-34	-0.53769	2.39E-36
1.52E-08	-0.12082	0.00896	-0.2483	5.43E-08	-0.24558	7.64E-08	-0.51014	2.63E-32
4.63E-10	-0.21855	1.86E-06	-0.32112	1.16E-12	-0.31029	7.01E-12	-0.43177	1.25E-22
1.21E-22	-0.29972	3.78E-11	-0.4205	1.96E-21	-0.46056	6.75E-26	-0.58902	5.91E-45
1.83E-06	-0.25243	3.20E-08	-0.29767	5.21E-11	-0.3028	2.33E-11	-0.34963	7.12E-15
1.36E-28	-0.23145	4.26E-07	-0.45263	5.76E-25	-0.49231	7.02E-30	-0.47368	1.71E-27
5.24E-14	-0.20307	9.75E-06	-0.30704	1.19E-11	-0.34431	1.92E-14	-0.23762	2.04E-07
4.33E-39	-0.36626	2.85E-16	-0.60417	8.44E-48	-0.62926	7.30E-53	-0.51153	1.68E-32
8.40E-10	-0.18337	6.73E-05	-0.31603	2.73E-12	-0.30572	1.46E-11	-0.4014	1.66E-19
1.55E-11	-0.04306	0.35312	-0.24116	1.32E-07	-0.23824	1.89E-07	-0.47052	4.21E-27
5.80E-26	-0.26763	4.21E-09	-0.41296	1.17E-20	-0.45507	2.99E-25	-0.55499	4.41E-39
1.82E-19	0.48772	2.81E-29	0.586317	1.84E-44	0.545558	1.43E-37	0.375161	4.69E-17
4.17E-54	0.370695	1.17E-16	0.592178	1.55E-45	0.662824	2.08E-60	0.319393	1.55E-12
2.93E-09	-0.06313	0.17321	-0.28445	3.84E-10	-0.27702	1.13E-09	-0.31281	4.64E-12
9.56E-18	-0.26144	9.77E-09	-0.56634	5.76E-41	-0.50495	1.39E-31	-0.46703	1.12E-26
1.63E-19	0.263022	7.90E-09	0.473616	1.74E-27	0.446607	2.83E-24	0.354857	2.64E-15
2.85E-07	-0.19719	1.77E-05	-0.4031	1.13E-19	-0.33092	2.14E-13	-0.35587	2.17E-15
0.01458	0.00635	0.89114	-0.1331	0.00396	-0.0766	0.09827	-0.3199	1.42E-12
2.18E-16	-0.20034	1.29E-05	-0.40464	7.97E-20	-0.39502	6.85E-19	-0.43337	8.36E-23
5.35E-20	-0.22722	6.97E-07	-0.43793	2.65E-23	-0.4744	1.39E-27	-0.28699	2.64E-10
2.96E-36	-0.31823	1.89E-12	-0.37045	1.23E-16	-0.51263	1.18E-32	-0.50667	8.03E-32
3.72E-05	-0.16791	0.00027	-0.16752	0.00028	-0.20741	6.20E-06	-0.42386	8.72E-22
5.14E-11	-0.06876	0.1379	-0.07069	0.12714	-0.20475	8.19E-06	-0.46271	3.74E-26
7.48E-13	-0.12039	0.00921	-0.02596	0.57569	-0.20901	5.24E-06	-0.50887	3.96E-32
0.00235	-0.36133	7.53E-16	-0.17388	0.00016	-0.20507	7.92E-06	-0.37135	1.02E-16
1.58E-17	-0.20545	7.61E-06	-0.37469	5.17E-17	-0.40645	5.27E-20	-0.53365	9.90E-36
3.18E-35	-0.27949	7.92E-10	-0.3968	4.62E-19	-0.473	2.08E-27	-0.54729	7.60E-38
1.03E-15	-0.15006	0.00114	-0.3361	8.54E-14	-0.34864	8.58E-15	-0.59521	4.24E-46
1.35E-16	-0.18632	5.10E-05	-0.37142	1.01E-16	-0.38579	5.07E-18	-0.58272	8.15E-44
4.85E-36	-0.34385	2.09E-14	-0.50527	1.25E-31	-0.53443	7.54E-36	-0.49376	4.52E-30
1.24E-08	-0.26238	8.61E-09	-0.40751	4.13E-20	-0.35565	2.27E-15	-0.21578	2.52E-06
8.27E-08	-0.24179	1.22E-07	-0.2208	1.45E-06	-0.2765	1.22E-09	-0.40406	9.10E-20
0.79278	-0.23263	3.70E-07	-0.28223	5.32E-10	-0.19494	2.21E-05	0.020134	0.6643
3.11E-07	-0.0731	0.11466	-0.27759	1.04E-09	-0.28077	6.58E-10	-0.38007	1.70E-17
9.73E-15	-0.39488	7.08E-19	-0.41365	9.96E-21	-0.4485	1.72E-24	-0.48695	3.54E-29
0.00013	0.108115	0.01944	0.091978	0.04697	0.117346	0.01115	0.379099	2.08E-17
4.99E-22	-0.18296	6.98E-05	-0.28255	5.08E-10	-0.34837	9.02E-15	-0.32706	4.20E-13
3.91E-10	-0.01346	0.77182	-0.29094	1.46E-10	-0.23042	4.80E-07	-0.53236	1.55E-35
2.72E-11	-0.05346	0.24893	-0.35265	4.03E-15	-0.27334	1.90E-09	-0.33819	5.86E-14

2.99E-19	-0.42713	3.93E-22	-0.47933	3.35E-28	-0.51532	4.88E-33	-0.53274	1.36E-35
5.92E-09	-0.12058	0.0091	-0.38362	8.03E-18	-0.30185	2.71E-11	-0.11999	0.00945
0.08464	-0.05543	0.23187	-0.18335	6.73E-05	-0.13834	0.00274	-0.25946	1.27E-08
0.39242	-0.16996	0.00022	-0.07519	0.10461	-0.07617	0.10018	-0.14639	0.00151
0.00362	-0.07812	0.09176	-0.32237	9.38E-13	-0.20218	1.07E-05	-0.20251	1.03E-05
0.00132	-0.44032	1.44E-23	-0.33912	4.95E-14	-0.34275	2.56E-14	-0.20696	6.50E-06
7.48E-11	-0.36307	5.36E-16	-0.41287	1.20E-20	-0.40925	2.77E-20	-0.27514	1.48E-09
1.82E-11	-0.29878	4.38E-11	-0.39866	3.06E-19	-0.37583	4.09E-17	-0.49504	3.05E-30
7.75E-12	-0.26492	6.10E-09	-0.50747	6.21E-32	-0.41484	7.52E-21	-0.48048	2.39E-28
9.04E-08	0.079572	0.08585	-0.20983	4.80E-06	-0.23708	2.17E-07	-0.08332	0.07204
1.20E-20	0.383973	7.46E-18	0.3634	5.02E-16	0.444266	5.20E-24	0.310581	6.69E-12
5.45E-24	0.354506	2.83E-15	0.542665	4.06E-37	0.550718	2.16E-38	0.548273	5.31E-38
1.43E-13	-0.32397	7.14E-13	-0.43591	4.42E-23	-0.41967	2.39E-21	-0.38996	2.07E-18
1.14E-11	-0.31312	4.41E-12	-0.36563	3.23E-16	-0.39081	1.72E-18	-0.37299	7.33E-17
6.50E-05	-0.18426	6.18E-05	-0.53896	1.53E-36	-0.34153	3.20E-14	-0.26417	6.76E-09
6.85E-44	0.409143	2.84E-20	0.554564	5.17E-39	0.620726	4.34E-51	0.372612	7.91E-17
2.17E-25	0.167658	0.00027	0.241296	1.30E-07	0.363155	5.27E-16	0.531522	2.07E-35
1.47E-09	-0.0697	0.13258	-0.20239	1.04E-05	-0.19735	1.74E-05	-0.38531	5.62E-18
4.77E-16	0.440879	1.25E-23	0.337161	7.05E-14	0.442844	7.52E-24	0.439812	1.64E-23
1.99E-11	-0.21587	2.50E-06	-0.33703	7.22E-14	-0.35532	2.42E-15	-0.39248	1.20E-18
6.90E-05	0.042019	0.36493	-0.07166	0.12198	-0.07651	0.09866	-0.34572	1.48E-14
2.45E-22	0.238373	1.86E-07	0.382447	1.03E-17	0.426862	4.19E-22	0.384924	6.09E-18
2.66E-06	-0.15456	0.0008	-0.1859	5.30E-05	-0.22292	1.14E-06	-0.27409	1.71E-09
7.36E-33	-0.32763	3.80E-13	-0.51862	1.64E-33	-0.52471	2.13E-34	-0.3916	1.45E-18
1.78E-16	-0.18025	8.97E-05	-0.40035	2.10E-19	-0.3926	1.17E-18	-0.56999	1.38E-41
1.21E-07	-0.18753	4.54E-05	-0.27608	1.29E-09	-0.27399	1.74E-09	-0.15771	0.00063
9.98E-10	0.050739	0.27385	-0.19051	3.41E-05	-0.21903	1.76E-06	-0.15345	0.00088
1.18E-37	0.558095	1.37E-39	0.458834	1.08E-25	0.602323	1.91E-47	0.582779	7.96E-44
0.00291	0.008448	0.85552	-0.15041	0.00111	-0.14485	0.0017	-0.51591	4.03E-33
9.40E-05	-0.26999	3.04E-09	-0.28089	6.47E-10	-0.27512	1.48E-09	-0.26068	1.08E-08
1.16E-13	-0.24671	6.63E-08	-0.39116	1.60E-18	-0.40522	6.99E-20	-0.47093	3.75E-27
1.94E-09	-0.15577	0.00073	-0.31512	3.17E-12	-0.30504	1.63E-11	-0.3193	1.58E-12
1.48E-15	-0.36435	4.16E-16	-0.55075	2.13E-38	-0.51804	1.99E-33	-0.39375	9.07E-19
1.14E-24	-0.30229	2.53E-11	-0.40496	7.41E-20	-0.44531	3.96E-24	-0.21794	1.99E-06
6.99E-21	-0.42283	1.12E-21	-0.41268	1.25E-20	-0.49503	3.06E-30	-0.54592	1.25E-37
3.24E-38	0.412335	1.35E-20	0.231064	4.45E-07	0.440915	1.24E-23	0.538143	2.04E-36
2.99E-05	0.112339	0.01515	0.0162	0.72696	-0.01895	0.68289	-0.42902	2.47E-22
4.00E-33	0.461536	5.16E-26	0.252776	3.06E-08	0.515063	5.32E-33	0.597964	1.29E-46
0.13835	0.09761	0.03497	-0.16419	0.00037	-0.02414	0.60287	-0.18247	7.31E-05
6.79E-06	-0.19997	1.34E-05	-0.28205	5.46E-10	-0.31446	3.54E-12	-0.0474	0.30676
1.33E-31	-0.42407	8.29E-22	-0.54884	4.32E-38	-0.60217	2.05E-47	-0.6149	6.56E-50
7.77E-08	0.077685	0.09358	0.15403	0.00084	0.184176	6.24E-05	0.67666	8.24E-64
1.74E-24	-0.17979	9.36E-05	-0.39796	3.58E-19	-0.43687	3.47E-23	-0.5023	3.20E-31
0.00469	-0.22389	1.02E-06	-0.25388	2.65E-08	-0.22437	9.67E-07	-0.3139	3.88E-12
2.32E-21	-0.38646	4.39E-18	-0.6318	2.12E-53	-0.55704	2.04E-39	-0.46848	7.48E-27

8.18E-14	-0.11089	0.01652	-0.39702	4.41E-19	-0.35287	3.86E-15	-0.35887	1.22E-15
3.49E-20	-0.19201	2.95E-05	-0.47991	2.83E-28	-0.44421	5.28E-24	-0.50641	8.72E-32
3.83E-40	0.513592	8.60E-33	0.579217	3.42E-43	0.630837	3.39E-53	0.37581	4.11E-17
6.64E-18	-0.25091	3.89E-08	-0.42579	5.45E-22	-0.42065	1.89E-21	-0.41627	5.37E-21
0.01337	0.04709	0.30989	0.063618	0.1699	0.009743	0.83368	-0.49632	2.06E-30
6.83E-09	-0.24709	6.32E-08	-0.28836	2.15E-10	-0.29741	5.42E-11	-0.28947	1.82E-10
3.25E-34	0.399791	2.38E-19	0.515829	4.13E-33	0.533259	1.13E-35	0.330244	2.41E-13
0.00041	0.030889	0.50548	-0.18524	5.64E-05	-0.13635	0.00315	-0.22702	7.13E-07
2.80E-06	-0.04682	0.31265	-0.20098	1.21E-05	-0.1898	3.66E-05	-0.27338	1.89E-09
0.01044	-0.04747	0.30601	-0.20264	1.02E-05	-0.1466	0.00149	-0.15625	0.0007
1.08E-15	-0.20939	5.03E-06	-0.35852	1.30E-15	-0.37228	8.47E-17	-0.51878	1.56E-33
1.14E-30	0.333495	1.36E-13	0.377802	2.72E-17	0.479781	2.94E-28	0.66231	2.77E-60
6.37E-12	-0.28419	3.99E-10	-0.5112	1.87E-32	-0.43361	7.89E-23	-0.1513	0.00104
3.29E-07	-0.18282	7.08E-05	-0.23412	3.10E-07	-0.26978	3.13E-09	-0.27023	2.94E-09
5.61E-07	-0.37225	8.52E-17	-0.41773	3.80E-21	-0.38939	2.34E-18	-0.31214	5.18E-12
0.00254	-0.01579	0.73369	-0.07645	0.09891	-0.08063	0.08174	-0.20292	9.89E-06
1.39E-17	-0.27456	1.60E-09	-0.37418	5.74E-17	-0.4129	1.19E-20	-0.26235	8.64E-09
1.05E-11	-0.31645	2.54E-12	-0.37793	2.65E-17	-0.44506	4.23E-24	-0.09973	0.03118
1.70E-10	-0.19211	2.92E-05	-0.2592	1.32E-08	-0.28547	3.31E-10	-0.38502	5.97E-18
2.01E-08	-0.17855	0.0001	-0.25186	3.44E-08	-0.26682	4.71E-09	-0.44172	1.00E-23
0.0887	0.10362	0.02514	0.093496	0.04344	0.0184	0.69167	-0.18438	6.12E-05
0.88321	-0.38296	9.23E-18	-0.1815	8.00E-05	-0.14102	0.00225	-0.23216	3.91E-07
1.60E-20	-0.46264	3.81E-26	-0.43381	7.50E-23	-0.51433	6.75E-33	-0.61993	6.32E-51
1.56E-21	-0.25102	3.83E-08	-0.41956	2.45E-21	-0.43009	1.89E-22	-0.48567	5.18E-29
2.32E-12	0.407503	4.14E-20	0.498773	9.64E-31	0.463127	3.33E-26	0.364347	4.16E-16
1.21E-08	-0.20466	8.27E-06	-0.2653	5.80E-09	-0.28143	5.98E-10	-0.41001	2.32E-20
4.24E-20	0.455303	2.81E-25	0.499083	8.75E-31	0.490477	1.23E-29	0.328459	3.29E-13
0.00091	-0.09517	0.03979	0.234757	2.88E-07	0.140884	0.00228	0.196405	1.91E-05
1.02E-06	-0.26051	1.11E-08	-0.24626	7.02E-08	-0.25372	2.71E-08	-0.32046	1.30E-12
3.02E-29	-0.35239	4.23E-15	-0.46153	5.17E-26	-0.51351	8.83E-33	-0.5117	1.59E-32
2.52E-17	-0.38283	9.50E-18	-0.47416	1.49E-27	-0.46349	3.01E-26	-0.29943	3.96E-11
2.40E-31	-0.25505	2.27E-08	-0.5204	9.08E-34	-0.50258	2.93E-31	-0.5326	1.42E-35
1.34E-15	-0.25514	2.25E-08	-0.29385	9.37E-11	-0.38321	8.76E-18	-0.29592	6.83E-11
2.55E-34	0.324892	6.09E-13	0.450447	1.03E-24	0.492111	7.47E-30	0.456554	2.01E-25
2.64E-12	-0.32601	5.03E-13	-0.43198	1.18E-22	-0.39216	1.28E-18	-0.52696	9.94E-35
1.63E-21	-0.378	2.61E-17	-0.43077	1.60E-22	-0.48576	5.05E-29	-0.49688	1.73E-30
1.43E-13	0.200681	1.24E-05	0.326326	4.76E-13	0.365982	3.01E-16	0.258317	1.48E-08
0.00131	0.074341	0.10862	-0.06317	0.17293	0.085787	0.06398	-0.2977	5.18E-11
1.37E-20	-0.05317	0.25147	-0.32333	7.97E-13	-0.34733	1.10E-14	-0.37929	2.00E-17
4.28E-05	-0.25947	1.27E-08	-0.24635	6.94E-08	-0.22589	8.13E-07	-0.19269	2.76E-05
0.05064	0.036527	0.43098	-0.25859	1.43E-08	-0.15007	0.00114	-0.18476	5.91E-05
1.62E-05	-0.04168	0.36886	-0.17096	0.00021	-0.14749	0.00139	-0.45852	1.18E-25
8.93E-09	-0.36994	1.36E-16	-0.35599	2.13E-15	-0.35949	1.08E-15	-0.3253	5.68E-13
1.16E-24	0.361956	6.67E-16	0.351558	4.95E-15	0.461548	5.14E-26	0.523753	2.95E-34
5.16E-06	-0.2945	8.49E-11	-0.36419	4.29E-16	-0.32716	4.12E-13	-0.47673	7.12E-28

6.67E-09	-0.3395	4.62E-14	-0.41384	9.52E-21	-0.39086	1.70E-18	-0.47098	3.70E-27
0.80506	-0.13186	0.00431	-0.19768	1.69E-05	-0.10762	0.02	-0.37384	6.16E-17
0.2247	0.156158	0.00071	-0.00179	0.96924	0.077046	0.09631	-0.24807	5.58E-08
0.09358	-0.19189	2.99E-05	-0.13296	0.004	-0.15853	0.00059	-0.23085	4.57E-07
7.48E-10	-0.20594	7.23E-06	-0.20252	1.03E-05	-0.24436	8.91E-08	-0.33952	4.61E-14
0.00141	-0.01556	0.73742	-0.08766	0.05836	-0.09974	0.03116	-0.35283	3.89E-15
3.40E-07	-0.10123	0.02872	-0.23024	4.91E-07	-0.19543	2.11E-05	-0.3804	1.58E-17
2.27E-22	-0.34109	3.46E-14	-0.42405	8.33E-22	-0.48758	2.93E-29	-0.36865	1.76E-16
4.68E-24	-0.13368	0.0038	-0.24808	5.58E-08	-0.33561	9.31E-14	-0.41478	7.64E-21
2.37E-21	-0.18311	6.89E-05	-0.39919	2.72E-19	-0.44046	1.39E-23	-0.13191	0.0043
1.11E-25	0.447704	2.12E-24	0.646498	1.28E-56	0.589502	4.83E-45	0.240032	1.52E-07
1.74E-29	0.409267	2.76E-20	0.463333	3.14E-26	0.490829	1.10E-29	0.23355	3.32E-07
2.91E-05	-0.05854	0.20668	-0.22046	1.50E-06	-0.17852	0.00011	-0.45419	3.79E-25
2.31E-15	0.380928	1.42E-17	0.398793	2.97E-19	0.465675	1.64E-26	0.603399	1.19E-47
6.46E-41	0.358609	1.28E-15	0.350782	5.73E-15	0.507575	6.01E-32	0.59898	8.29E-47
2.15E-19	0.440864	1.25E-23	0.580757	1.83E-43	0.531033	2.45E-35	0.200897	1.22E-05
2.43E-06	-0.40801	3.69E-20	-0.38797	3.18E-18	-0.37431	5.59E-17	-0.35732	1.64E-15
6.82E-06	-0.46382	2.75E-26	-0.36299	5.44E-16	-0.37793	2.65E-17	-0.32289	8.59E-13
1.02E-11	-0.41428	8.58E-21	-0.43674	3.58E-23	-0.43949	1.78E-23	-0.47184	2.89E-27
5.08E-08	0.137917	0.00282	-0.12805	0.00559	-0.15919	0.00055	-0.3597	1.04E-15
0.00172	-0.12421	0.0072	-0.27055	2.81E-09	-0.21009	4.67E-06	-0.38575	5.11E-18
1.90E-07	-0.15791	0.00062	-0.21095	4.26E-06	-0.22519	8.81E-07	-0.36332	5.10E-16
0.42199	0.001406	0.97583	0.027458	0.55393	0.004084	0.92987	0.460068	7.72E-26
1.11E-36	-0.37639	3.64E-17	-0.53755	2.51E-36	-0.56995	1.40E-41	-0.65756	3.68E-59
6.42E-24	-0.25136	3.67E-08	-0.33886	5.19E-14	-0.41845	3.20E-21	-0.54687	8.87E-38
2.13E-11	-0.09187	0.04722	-0.35626	2.02E-15	-0.30663	1.27E-11	-0.3936	9.38E-19
1.45E-10	0.483461	9.97E-29	0.374143	5.79E-17	0.422613	1.18E-21	0.495968	2.29E-30
5.15E-23	-0.18341	6.70E-05	-0.39411	8.38E-19	-0.41392	9.34E-21	-0.56413	1.36E-40
4.89E-11	-0.18262	7.21E-05	-0.29725	5.56E-11	-0.3145	3.52E-12	-0.54691	8.75E-38
0.01799	-0.19068	3.36E-05	-0.20427	8.61E-06	-0.20181	1.11E-05	-0.36298	5.45E-16
2.41E-16	-0.45831	1.25E-25	-0.44299	7.24E-24	-0.4839	8.76E-29	-0.34024	4.04E-14
0.02968	0.171249	0.0002	0.116314	0.01189	0.117071	0.01135	0.410433	2.11E-20
0.01088	-0.21347	3.25E-06	-0.21626	2.40E-06	-0.21643	2.35E-06	-0.3235	7.73E-13
9.99E-14	-0.19366	2.51E-05	-0.34489	1.72E-14	-0.34102	3.51E-14	-0.4459	3.40E-24
1.48E-15	-0.37313	7.12E-17	-0.42661	4.46E-22	-0.42896	2.51E-22	-0.44875	1.61E-24
0.00131	-0.063	0.17409	-0.18679	4.88E-05	-0.14017	0.0024	-0.27913	8.34E-10
1.27E-10	-0.32692	4.29E-13	-0.3924	1.22E-18	-0.37182	9.29E-17	-0.33661	7.79E-14
3.19E-11	-0.22491	9.10E-07	-0.3402	4.07E-14	-0.31582	2.83E-12	-0.48174	1.66E-28
0.00271	-0.3234	7.87E-13	-0.27686	1.16E-09	-0.28519	3.45E-10	-0.34431	1.92E-14
6.03E-07	-0.31793	1.99E-12	-0.49398	4.23E-30	-0.40723	4.41E-20	-0.19693	1.82E-05
2.07E-16	-0.43925	1.89E-23	-0.45041	1.04E-24	-0.47081	3.88E-27	-0.30308	2.23E-11
0.00031	-0.13975	0.00247	-0.27334	1.90E-09	-0.22193	1.27E-06	-0.27395	1.75E-09
2.90E-06	-0.10406	0.02452	-0.15735	0.00064	-0.17565	0.00014	-0.38763	3.42E-18
5.98E-15	-0.2754	1.42E-09	-0.45311	5.06E-25	-0.41967	2.39E-21	-0.46402	2.60E-26
0.15281	0.250089	4.32E-08	0.276094	1.29E-09	0.180828	8.51E-05	0.454879	3.15E-25



1.63E-14	-0.38627	4.57E-18	-0.40696	4.69E-20	-0.42728	3.78E-22	-0.51253	1.22E-32
4.02E-07	0.387145	3.79E-18	0.412279	1.37E-20	0.381674	1.21E-17	0.259594	1.25E-08
7.47E-22	-0.26726	4.43E-09	-0.45411	3.88E-25	-0.47033	4.45E-27	-0.55507	4.27E-39
2.99E-22	-0.15514	0.00077	-0.45598	2.34E-25	-0.46242	4.04E-26	-0.23973	1.58E-07
0.60386	-0.27825	9.47E-10	-0.23622	2.41E-07	-0.18768	4.48E-05	-0.30709	1.18E-11
0.08221	-0.13222	0.00421	-0.43268	9.95E-23	-0.27006	3.01E-09	-0.17044	0.00022
1.27E-17	-0.47651	7.58E-28	-0.47239	2.47E-27	-0.5021	3.40E-31	-0.47712	6.36E-28
7.78E-17	-0.16658	0.0003	-0.37338	6.77E-17	-0.37215	8.70E-17	-0.40537	6.75E-20
1.89E-05	-0.1927	2.76E-05	-0.19974	1.37E-05	-0.22666	7.43E-07	-0.45961	8.74E-26
1.40E-22	-0.25644	1.90E-08	-0.48181	1.62E-28	-0.45119	8.44E-25	-0.64105	2.09E-55
1.02E-12	-0.21482	2.81E-06	-0.33263	1.58E-13	-0.34365	2.17E-14	-0.44846	1.74E-24
8.54E-14	-0.55774	1.56E-39	-0.48973	1.53E-29	-0.53042	3.04E-35	-0.36672	2.60E-16
0.00712	-0.17557	0.00014	-0.22571	8.29E-07	-0.2157	2.55E-06	-0.3122	5.13E-12
8.50E-12	-0.40871	3.14E-20	-0.35673	1.84E-15	-0.40262	1.26E-19	-0.37324	6.97E-17
1.28E-18	0.366659	2.63E-16	0.368046	1.99E-16	0.43235	1.08E-22	0.419993	2.21E-21
2.37E-48	-0.3704	1.24E-16	-0.56923	1.86E-41	-0.59393	7.36E-46	-0.66787	1.25E-61
6.10E-51	-0.43162	1.29E-22	-0.59766	1.47E-46	-0.65059	1.51E-57	-0.64987	2.21E-57
2.40E-25	-0.46429	2.41E-26	-0.55539	3.80E-39	-0.59515	4.35E-46	-0.6112	3.58E-49
0.04012	0.089662	0.05283	-0.19658	1.88E-05	-0.09564	0.03882	-0.0771	0.09609
0.03289	-0.15264	0.00094	0.257862	1.57E-08	0.096191	0.03771	0.315526	2.97E-12
1.57E-07	-0.2912	1.40E-10	-0.26944	3.28E-09	-0.31357	4.10E-12	-0.34934	7.53E-15
0.00712	-0.38646	4.39E-18	-0.25204	3.36E-08	-0.26149	9.71E-09	-0.25636	1.92E-08
6.41E-46	-0.44705	2.52E-24	-0.57874	4.15E-43	-0.67666	8.24E-64	-0.49355	4.82E-30
0.07642	-0.1678	0.00027	-0.14285	0.00197	-0.13885	0.00264	-0.40544	6.65E-20
1.62E-19	-0.33905	5.01E-14	-0.41424	8.66E-21	-0.45405	3.93E-25	-0.46373	2.81E-26
2.47E-11	-0.16572	0.00032	-0.26143	9.78E-09	-0.309	8.65E-12	-0.3799	1.76E-17
1.17E-13	-0.42147	1.56E-21	-0.43432	6.59E-23	-0.48645	4.11E-29	-0.33708	7.15E-14
1.23E-06	-0.37478	5.08E-17	-0.38997	2.07E-18	-0.39085	1.71E-18	-0.33111	2.07E-13
3.54E-08	-0.35154	4.97E-15	-0.30036	3.43E-11	-0.36934	1.54E-16	-0.32394	7.17E-13
3.60E-20	-0.2612	1.01E-08	-0.44263	7.94E-24	-0.4307	1.63E-22	-0.47713	6.36E-28
1.10E-33	-0.26925	3.37E-09	-0.35067	5.86E-15	-0.47048	4.26E-27	-0.5135	8.87E-33
5.49E-11	-0.33471	1.09E-13	-0.26658	4.87E-09	-0.36597	3.02E-16	-0.40444	8.34E-20
0.06693	0.110698	0.0167	-0.09725	0.03565	-0.02623	0.57178	-0.32111	1.16E-12
1.18E-05	-0.22185	1.29E-06	-0.13021	0.00483	-0.21878	1.81E-06	-0.27408	1.72E-09
1.52E-05	-0.44157	1.05E-23	-0.31512	3.17E-12	-0.34316	2.37E-14	-0.30042	3.39E-11
1.19E-29	0.48703	3.45E-29	0.313306	4.28E-12	0.460089	7.67E-26	0.455673	2.54E-25
4.57E-09	-0.26922	3.38E-09	-0.28485	3.62E-10	-0.32827	3.40E-13	-0.33021	2.42E-13
5.44E-06	-0.39505	6.82E-19	-0.28743	2.47E-10	-0.32573	5.27E-13	-0.3352	1.00E-13
2.92E-18	-0.33106	2.09E-13	-0.3085	9.38E-12	-0.40034	2.10E-19	-0.64155	1.62E-55
0.00744	-0.23163	4.17E-07	-0.26154	9.64E-09	-0.2344	3.00E-07	-0.39685	4.58E-19
0.00062	-0.19525	2.15E-05	-0.24444	8.82E-08	-0.22885	5.77E-07	-0.25532	2.20E-08
0.41423	0.13663	0.00309	-0.1877	4.47E-05	-0.04257	0.3587	-0.29967	3.82E-11
0.30655	-0.16553	0.00033	-0.09542	0.03927	-0.10353	0.02526	-0.02406	0.60407
0.00395	-0.14422	0.00178	-0.1118	0.01565	-0.13015	0.00485	-0.03875	0.40344
1.24E-06	-0.29301	1.07E-10	-0.23114	4.41E-07	-0.27413	1.70E-09	-0.08898	0.05465

7.43E-05	-0.21958	1.66E-06	-0.20078	1.23E-05	-0.22419	9.87E-07	-0.06952	0.1336
0.00486	-0.18526	5.63E-05	-0.09167	0.04771	-0.16878	0.00025	0.0076	0.86989
0.02209	-0.12852	0.00541	-0.0917	0.04765	-0.11723	0.01123	-0.02105	0.65008
0.0601	-0.14424	0.00178	-0.09213	0.0466	-0.10798	0.01959	-0.03958	0.39347
0.00478	-0.20336	9.46E-06	-0.11684	0.01151	-0.17156	0.0002	-0.04983	0.28258
2.13E-05	-0.22662	7.47E-07	-0.16693	0.00029	-0.21661	2.31E-06	-0.06617	0.15341
0.40104	-0.15567	0.00074	-0.07069	0.12717	-0.0698	0.13203	-0.00222	0.96184
0.00801	-0.10297	0.02607	-0.14482	0.0017	-0.17357	0.00016	-0.21993	1.60E-06
0.00029	-0.17432	0.00015	-0.10963	0.01779	-0.16382	0.00038	-0.0556	0.23043
0.59216	-0.09787	0.03448	-0.01663	0.72008	-0.05	0.28093	-0.0322	0.48753
0.49488	-0.09504	0.04007	0.022801	0.62308	0.020061	0.66544	-0.01861	0.6884
2.21E-05	-0.21118	4.15E-06	-0.16573	0.00032	-0.21586	2.50E-06	-0.06591	0.15504
0.00498	-0.14301	0.00195	-0.06847	0.13956	-0.1414	0.00219	-0.04218	0.36314
1.67E-06	-0.26437	6.58E-09	-0.20495	8.02E-06	-0.26573	5.47E-09	-0.12298	0.0078
0.0004	-0.1413	0.00221	-0.18383	6.44E-05	-0.1939	2.45E-05	-0.06167	0.18341
0.76472	0.008289	0.85822	0.020362	0.66074	0.024006	0.60483	-0.02745	0.55402
0.00184	-0.17819	0.00011	-0.12503	0.00682	-0.15402	0.00084	-0.05086	0.27275
3.93E-06	-0.1892	3.87E-05	-0.19627	1.94E-05	-0.24541	7.81E-08	-0.13675	0.00306
0.04331	-0.10304	0.02596	-0.07439	0.10837	-0.10995	0.01746	-0.02349	0.61267
0.46878	-0.02416	0.60247	0.026779	0.56377	-0.01996	0.66707	-0.06066	0.19065
0.01583	-0.16008	0.00052	-0.17135	0.0002	-0.17212	0.00019	-0.02226	0.63133
0.00061	-0.14189	0.00211	-0.10956	0.01786	-0.15088	0.00107	-0.06122	0.18663
0.00141	-0.15022	0.00113	-0.09809	0.03408	-0.13963	0.00249	-0.05107	0.27073
0.3408	-0.17681	0.00012	-0.10296	0.02609	-0.12198	0.00832	-0.04803	0.30034
0.0016	-0.22999	5.05E-07	-0.19633	1.93E-05	-0.20785	5.92E-06	-0.06315	0.17306
0.02363	-0.0902	0.05142	-0.03251	0.48333	-0.1004	0.03005	-0.01051	0.82087
1.85E-10	-0.27273	2.07E-09	-0.238	1.95E-07	-0.30396	1.94E-11	-0.15081	0.00108
0.00091	-0.17548	0.00014	-0.09525	0.03964	-0.17221	0.00018	-0.05162	0.26559
0.00082	-0.18599	5.26E-05	-0.13086	0.00462	-0.17105	0.0002	-0.05055	0.27568
0.00028	-0.18141	8.06E-05	-0.12134	0.00867	-0.17	0.00022	-0.05603	0.22682
2.01E-06	-0.15813	0.0006	-0.20372	9.11E-06	-0.24913	4.88E-08	-0.28453	3.79E-10
5.37E-07	-0.19171	3.04E-05	-0.2876	2.41E-10	-0.30026	3.48E-11	0.113488	0.01413
0.01296	-0.11007	0.01734	-0.07067	0.12728	-0.10458	0.02382	-0.07146	0.12306
2.15E-07	-0.18598	5.27E-05	-0.2024	1.04E-05	-0.2494	4.71E-08	-0.05186	0.26338
0.04702	-0.09198	0.04696	-0.05043	0.27678	-0.08636	0.06221	0.011296	0.80765
0.01459	-0.11863	0.0103	-0.0682	0.14114	-0.10981	0.01761	-0.10376	0.02494
0.01036	-0.16104	0.00048	-0.05733	0.2162	-0.14118	0.00223	-0.04715	0.30926
1.27E-06	-0.20504	7.95E-06	-0.22555	8.45E-07	-0.2485	5.29E-08	-0.16834	0.00026
0.00076	-0.19656	1.88E-05	-0.15025	0.00113	-0.14226	0.00206	-0.07295	0.11543
0.00065	-0.25453	2.43E-08	-0.15651	0.00069	-0.21389	3.10E-06	-0.07599	0.10099
0.00065	-0.17789	0.00011	-0.14782	0.00136	-0.19196	2.96E-05	-0.06931	0.13476
0.26999	-0.01761	0.70424	0.018193	0.69496	-0.01265	0.78512	0.001014	0.98256
2.70E-06	-0.14445	0.00175	-0.07076	0.12677	-0.15952	0.00054	-0.11326	0.01433
3.14E-05	-0.22362	1.05E-06	-0.16527	0.00034	-0.22542	8.57E-07	-0.07134	0.12367
0.02228	-0.08804	0.05728	-0.06496	0.16109	-0.09416	0.04196	0.015648	0.73591

5.48E-07	-0.26451	6.46E-09	-0.22026	1.54E-06	-0.27459	1.60E-09	-0.07733	0.09507
5.31E-05	-0.17783	0.00011	-0.13351	0.00385	-0.17982	9.33E-05	-0.04568	0.32462
8.48E-07	-0.24283	1.08E-07	-0.17867	0.0001	-0.24364	9.74E-08	-0.08362	0.07103
1.06E-07	-0.22658	7.51E-07	-0.21525	2.68E-06	-0.27466	1.58E-09	-0.04948	0.28596
6.61E-06	-0.24998	4.38E-08	-0.19579	2.03E-05	-0.25972	1.23E-08	-0.05546	0.2316
1.48E-09	-0.25543	2.16E-08	-0.23759	2.04E-07	-0.2946	8.37E-11	-0.20729	6.28E-06
1.05E-06	-0.31818	1.90E-12	-0.31891	1.68E-12	-0.34131	3.33E-14	-0.18338	6.72E-05
7.53E-05	-0.07592	0.10129	-0.06	0.19554	-0.12256	0.00801	-0.01295	0.78018
0.51725	-0.01217	0.79317	0.058473	0.2072	0.017252	0.71001	-0.10666	0.02115
0.00337	-0.23434	3.02E-07	-0.12269	0.00795	-0.15549	0.00075	-0.02335	0.6147
6.38E-05	-0.14168	0.00215	-0.09195	0.04703	-0.14898	0.00124	-0.04968	0.28396
0.01631	-0.12406	0.00727	-0.08126	0.07939	-0.09341	0.04363	-0.0164	0.72365
0.62957	-0.24682	6.54E-08	-0.07829	0.09103	-0.11646	0.01178	-0.03203	0.4899
0.00569	-0.25558	2.12E-08	-0.1431	0.00194	-0.19622	1.95E-05	-0.02323	0.61652
0.02852	-0.17066	0.00021	-0.10354	0.02525	-0.14866	0.00127	-0.02321	0.61682
5.84E-09	-0.16709	0.00029	-0.27573	1.36E-09	-0.29607	6.67E-11	-0.05752	0.21469
0.25744	-0.11769	0.01092	-0.0778	0.09307	-0.13274	0.00406	-0.04488	0.33314
1.68E-10	-0.31891	1.68E-12	-0.26225	8.76E-09	-0.32598	5.05E-13	-0.09188	0.04721
0.00404	-0.18504	5.75E-05	-0.14397	0.00181	-0.15154	0.00102	-0.04984	0.28243
6.54E-05	-0.16306	0.0004	-0.13054	0.00472	-0.17922	9.86E-05	-0.0301	0.51649
0.11445	-0.08832	0.05648	-0.06231	0.17887	-0.08657	0.06158	-0.02377	0.60839
0.0043	-0.27953	7.88E-10	-0.19037	3.46E-05	-0.22845	6.05E-07	-0.0277	0.55047
0.00216	-0.13611	0.00321	-0.0915	0.04813	-0.13168	0.00437	-0.04756	0.30509
0.01301	-0.083	0.07315	-0.04944	0.28633	-0.08279	0.07389	-0.029	0.53182
0.00055	-0.16431	0.00036	-0.14171	0.00214	-0.18012	9.08E-05	-0.05945	0.19966
0.00057	-0.16083	0.00048	-0.11644	0.0118	-0.16361	0.00038	-0.04717	0.30908
0.05914	-0.16349	0.00039	-0.1453	0.00164	-0.17419	0.00015	-0.05446	0.24012
0.02097	-0.13923	0.00257	-0.07191	0.12073	-0.11242	0.01507	-0.04209	0.3641
0.08862	-0.11136	0.01606	-0.11309	0.01448	-0.121	0.00886	-0.01489	0.74821
0.00022	-0.17419	0.00015	-0.13571	0.0033	-0.18839	4.19E-05	-0.05807	0.21035
0.00124	-0.18389	6.40E-05	-0.14083	0.00229	-0.19006	3.56E-05	-0.04303	0.35349
1.26E-05	-0.18329	6.77E-05	-0.16811	0.00026	-0.21923	1.72E-06	-0.06958	0.13325
2.19E-05	-0.2143	2.97E-06	-0.18541	5.55E-05	-0.23058	4.71E-07	-0.0523	0.25931
2.71E-07	-0.26239	8.60E-09	-0.21357	3.21E-06	-0.27435	1.65E-09	-0.07407	0.10989
0.0002	-0.37565	4.24E-17	-0.32835	3.35E-13	-0.31326	4.32E-12	-0.11095	0.01646
0.53765	-0.08782	0.05792	-0.02748	0.55356	-0.04747	0.30602	0.031659	0.49493
0.00996	-0.17906	1.00E-04	-0.13267	0.00408	-0.1669	0.00029	-0.0351	0.44926
0.04626	-0.0727	0.11668	-0.05003	0.28066	-0.09171	0.04763	-0.0091	0.84445
0.9615	-0.1462	0.00153	-0.03739	0.42023	-0.07301	0.11512	-0.01569	0.73521
0.88935	-0.13977	0.00247	-0.09138	0.04843	-0.10586	0.02214	0.018871	0.6842
0.24925	-0.14454	0.00174	-0.08142	0.07881	-0.12912	0.0052	0.002448	0.95792
0.01474	-0.08508	0.06623	-0.1571	0.00066	-0.15956	0.00054	-0.03692	0.4261
0.27089	-0.13295	0.004	-0.08989	0.05223	-0.12446	0.00708	-0.0027	0.95354
0.00525	-0.26226	8.75E-09	-0.13028	0.0048	-0.15483	0.00079	-0.04021	0.38591
0.00026	-0.21621	2.41E-06	-0.14419	0.00178	-0.19062	3.38E-05	-0.13225	0.0042

0.90959	-0.09643	0.03723	-0.00894	0.84729	-0.00223	0.96174	-0.01882	0.68504
0.01107	-0.17201	0.00019	-0.10416	0.02438	-0.12506	0.00681	-0.02463	0.59553
3.14E-07	-0.22497	9.03E-07	-0.15801	0.00061	-0.217	2.21E-06	-0.07372	0.11161
0.00151	-0.1659	0.00032	-0.11537	0.0126	-0.14021	0.00239	-0.06385	0.16836
5.87E-05	-0.17238	0.00018	-0.15167	0.00101	-0.18707	4.75E-05	-0.05543	0.23186
0.03311	-0.10311	0.02587	-0.07172	0.1217	-0.11234	0.01515	-0.05904	0.20286
2.58E-08	-0.19671	1.86E-05	-0.21343	3.26E-06	-0.24999	4.38E-08	-0.27796	9.87E-10
0.0723	-0.22743	6.80E-07	-0.09953	0.03153	-0.1135	0.01412	-0.05963	0.19832
0.0318	-0.13305	0.00397	-0.12214	0.00824	-0.13134	0.00447	-0.03005	0.51712
0.00057	-0.2164	2.36E-06	-0.17775	0.00011	-0.21653	2.33E-06	-0.06759	0.14471
0.00099	-0.20814	5.74E-06	-0.19001	3.58E-05	-0.1983	1.58E-05	-0.00018	0.99683
6.55E-07	-0.25766	1.62E-08	-0.20122	1.18E-05	-0.2574	1.67E-08	-0.07791	0.09261
0.00039	-0.19347	2.56E-05	-0.11729	0.0112	-0.17395	0.00016	-0.00455	0.9219
0.0003	-0.18329	6.77E-05	-0.14204	0.00209	-0.18955	3.74E-05	-0.04258	0.35857
0.00702	-0.10859	0.01891	-0.10302	0.026	-0.12913	0.00519	-0.02545	0.58325
0.00383	-0.24786	5.73E-08	-0.12741	0.00583	-0.18098	8.39E-05	-0.07657	0.09837
0.00013	-0.16537	0.00033	-0.1257	0.00653	-0.17284	0.00017	-0.06175	0.18285
8.07E-17	-0.30125	2.98E-11	-0.25297	2.98E-08	-0.36732	2.30E-16	-0.3247	6.30E-13
1.11E-07	-0.2952	7.62E-11	-0.23612	2.44E-07	-0.29387	9.35E-11	-0.08868	0.05548
0.62331	-0.16709	0.00029	-0.01186	0.79824	-0.04224	0.36243	-0.00854	0.854
0.00064	-0.25339	2.83E-08	-0.17906	1.00E-04	-0.22099	1.42E-06	-0.01642	0.72336
8.10E-06	-0.24175	1.23E-07	-0.20678	6.63E-06	-0.25433	2.50E-08	-0.06297	0.17429
4.37E-05	-0.24572	7.51E-08	-0.18604	5.24E-05	-0.21675	2.27E-06	-0.03174	0.49383
0.00025	-0.16977	0.00023	-0.13828	0.00275	-0.16421	0.00037	-0.04853	0.29528
0.00076	-0.25468	2.39E-08	-0.13012	0.00486	-0.18343	6.69E-05	-0.0149	0.74803
0.00797	-0.17253	0.00018	-0.11131	0.0161	-0.13218	0.00422	-0.08201	0.07666
0.02976	-0.1624	0.00043	-0.0518	0.26395	-0.12655	0.00617	-0.11344	0.01417
0.00037	-0.235	2.79E-07	-0.17096	0.00021	-0.22124	1.38E-06	-0.04908	0.28982
0.04427	-0.12304	0.00777	-0.06463	0.16323	-0.08178	0.07747	-0.13215	0.00423
0.00044	-0.15098	0.00106	-0.10668	0.02113	-0.15878	0.00057	-0.04863	0.29433
0.00558	-0.22208	1.25E-06	-0.12661	0.00615	-0.17805	0.00011	-0.0131	0.77761
0.00039	-0.18012	9.08E-05	-0.13966	0.00249	-0.1818	7.78E-05	-0.06517	0.15973
0.02253	-0.22766	6.62E-07	-0.14383	0.00183	-0.16995	0.00022	-0.00048	0.99182
0.24145	-0.04112	0.37527	-0.04827	0.29792	-0.05083	0.27295	0.003291	0.94346
0.09784	-0.09183	0.04734	-0.07853	0.09006	-0.09743	0.0353	0.009931	0.83052
0.03602	-0.05327	0.25061	-0.03728	0.42156	-0.06642	0.15182	-0.0153	0.74165
3.85E-05	-0.20347	9.35E-06	-0.15317	0.0009	-0.20294	9.87E-06	0.049944	0.28144
0.00108	-0.42	2.21E-21	-0.25666	1.84E-08	-0.29559	7.18E-11	-0.06639	0.15202
0.00098	-0.21886	1.80E-06	-0.14275	0.00198	-0.17258	0.00018	-0.0837	0.07075
0.99553	0.008012	0.8629	0.028916	0.53307	0.021502	0.64303	0.008631	0.85242
0.79059	-0.09359	0.04322	0.011606	0.80247	-0.00533	0.90859	0.030026	0.51745
0.0337	-0.16318	0.0004	-0.11479	0.01306	-0.15347	0.00088	-0.01779	0.70141
0.96907	-0.01592	0.73144	0.027842	0.54838	-0.00609	0.89554	0.026225	0.57187
0.00012	-0.08429	0.06876	-0.09988	0.03092	-0.13915	0.00258	-0.06711	0.14763
0.09118	-0.16574	0.00032	-0.02556	0.58171	-0.08185	0.07722	-0.05457	0.23921

0.10519	-0.08877	0.05525	-0.05206	0.26155	-0.07354	0.11247	-0.09484	0.0405
0.01502	-0.16024	0.00051	-0.11094	0.01647	-0.12825	0.00551	-0.11918	0.00994
0.27497	-0.0663	0.15257	-0.01742	0.70736	-0.03509	0.44934	-0.01489	0.74821
0.08924	-0.09393	0.04248	-0.07907	0.08786	-0.09045	0.05078	-0.1321	0.00424
0.00334	-0.03292	0.47794	-0.00653	0.88803	-0.03707	0.42413	-0.0989	0.03261
0.00849	0.072309	0.11865	0.182718	7.14E-05	0.139125	0.00259	0.016915	0.71543
0.70329	-0.04362	0.34696	0.008135	0.86082	0.009854	0.83181	0.001178	0.97975
0.00103	-0.11258	0.01493	-0.22414	9.92E-07	-0.18816	4.28E-05	-0.15975	0.00053
0.00352	-0.173	0.00017	-0.14991	0.00116	-0.16333	0.00039	-0.06616	0.15342
0.01047	-0.115	0.01289	-0.10096	0.02915	-0.12267	0.00796	-0.0541	0.24328
0.10858	-0.0584	0.2078	0.031363	0.49898	-0.02823	0.54283	-0.02117	0.6482
0.27714	-0.04628	0.31833	-0.01493	0.74765	-0.01704	0.71348	-0.01456	0.75369
0.00031	-0.28898	1.96E-10	-0.14205	0.00209	-0.22354	1.06E-06	-0.00023	0.99599
0.00862	-0.18388	6.41E-05	-0.09922	0.03206	-0.14057	0.00233	-0.10076	0.02947
0.02112	-0.21221	3.72E-06	-0.0927	0.04527	-0.11869	0.01026	-0.01486	0.74873
0.01502	-0.12051	0.00914	-0.07208	0.11983	-0.0983	0.03369	-0.01728	0.7095
0.07757	-0.0786	0.08978	-0.04967	0.28411	-0.06438	0.16486	-0.00648	0.88898
0.02194	-0.02392	0.60613	0.075706	0.10226	0.087328	0.05933	0.024615	0.5957
0.00173	-0.14575	0.00159	-0.11401	0.01369	-0.1563	0.0007	-0.08203	0.07657
0.37525	-0.18489	5.83E-05	-0.02984	0.52005	-0.07923	0.08721	-0.19884	1.50E-05
0.1305	-0.21318	3.35E-06	-0.10672	0.02108	-0.13832	0.00274	-0.01741	0.70754
0.04187	-0.06162	0.18376	-0.08363	0.07098	-0.10341	0.02543	0.01854	0.68944
0.51218	-0.00886	0.84859	-0.06384	0.16839	-0.04247	0.35982	0.047553	0.30514
0.02464	-0.13251	0.00412	-0.10583	0.02217	-0.13233	0.00417	-0.05686	0.22005
0.04484	-0.15091	0.00107	-0.08232	0.07554	-0.12741	0.00583	-0.04676	0.31333
0.00024	-0.12378	0.0074	-0.12713	0.00594	-0.16592	0.00032	-0.09472	0.04074
0.56467	-0.02363	0.61058	-0.01128	0.80794	-0.01382	0.76578	0.008814	0.84934
0.17172	-0.06066	0.19066	-0.0433	0.35052	-0.06215	0.18001	-0.08523	0.06575
0.35746	-0.03231	0.48612	0.080105	0.08377	0.047132	0.30945	-0.01936	0.67646
0.0046	-0.12235	0.00812	0.045357	0.32805	-0.06531	0.15882	-0.05173	0.26454
0.9319	-0.01657	0.72101	0.082646	0.07438	0.038746	0.4035	0.007521	0.87123
0.64808	0.000887	0.98475	0.038588	0.40543	0.008287	0.85824	0.050019	0.28072
9.74E-05	-0.12364	0.00747	-0.04693	0.31157	-0.11049	0.01691	-0.02823	0.54282
0.0392	-0.13265	0.00408	-0.03249	0.48371	-0.06805	0.14203	-0.02205	0.63451
0.08241	-0.19999	1.33E-05	-0.05591	0.22787	-0.11528	0.01267	0.021633	0.641
0.17792	-0.07632	0.0995	-0.06993	0.13131	-0.07365	0.11197	-0.02363	0.61048
0.34368	-0.14921	0.00122	-0.10522	0.02296	-0.09359	0.04322	-0.07697	0.09667
0.09247	-0.08517	0.06591	-0.06216	0.17992	-0.08625	0.06255	-0.04025	0.3855
0.02034	-0.08724	0.05958	-0.07305	0.11492	-0.10248	0.02679	-0.03768	0.41661
0.14107	-0.08396	0.06988	-0.02177	0.63892	-0.06462	0.16328	-0.0165	0.72219
0.35612	-0.09655	0.03701	-0.01732	0.70891	-0.03628	0.43417	-0.00704	0.87932
0.05329	-0.12554	0.0066	-0.07204	0.12002	-0.10589	0.0221	-0.01316	0.77664
0.33827	-0.05454	0.23945	0.02586	0.57722	-0.03506	0.44968	-0.02833	0.54136
0.09818	-0.14763	0.00138	-0.11593	0.01217	-0.13486	0.0035	-0.06311	0.17334
0.16739	0.005422	0.90697	0.073626	0.11207	0.060841	0.18936	-0.01168	0.80125

0.81608	-0.05509	0.23471	0.011716	0.80064	0.01788	0.69995	-0.04131	0.3731
1.03E-05	-0.21101	4.23E-06	-0.12366	0.00746	-0.17693	0.00012	-0.1039	0.02475
0.39973	0.072117	0.11963	0.126524	0.00618	0.124459	0.00708	-0.03209	0.48902
0.89271	0.016443	0.72304	0.047545	0.30523	0.04374	0.3456	-0.11137	0.01605
0.63579	-0.01475	0.7506	-0.02059	0.65713	0.002313	0.96025	0.006737	0.88456
0.91559	-0.04725	0.30829	0.019658	0.67177	0.004282	0.92647	0.021682	0.64025
0.00011	-0.21989	1.60E-06	-0.20307	9.75E-06	-0.23074	4.63E-07	-0.24015	1.50E-07
0.3865	-0.06218	0.17981	-0.02418	0.60216	-0.04568	0.3246	-0.01898	0.68254
0.66824	-0.0469	0.3118	0.008489	0.85483	0.010522	0.82059	-0.0128	0.78266
0.04675	-0.01468	0.7517	-0.0848	0.06711	-0.08395	0.06992	0.006013	0.89689
0.65572	-0.16048	0.0005	0.011195	0.80933	-0.03634	0.43331	-0.06018	0.19421
0.56021	-0.02225	0.6315	0.00919	0.84298	0.002471	0.95752	-0.00556	0.90466
0.01606	-0.13162	0.00438	-0.09664	0.03682	-0.10913	0.01833	-0.13662	0.00309
0.01916	0.035436	0.44489	0.035488	0.44422	0.003995	0.93139	-0.20028	1.30E-05
0.99807	-0.0563	0.22462	0.019508	0.67413	0.007026	0.87964	-0.04953	0.2855
0.42209	-0.00734	0.87427	-0.02717	0.55813	-0.02891	0.53312	-0.02674	0.56435
0.28667	-0.02466	0.59501	0.0015	0.97422	-0.02172	0.63971	0.017054	0.71319
0.02525	-0.07453	0.10771	-0.08326	0.07224	-0.09935	0.03182	0.062761	0.17574
0.05896	-0.19394	2.44E-05	-0.1353	0.00339	-0.15001	0.00115	-0.0188	0.68529
0.00555	-0.11146	0.01596	-0.08092	0.08065	-0.11633	0.01188	-0.02657	0.56687
0.01757	-0.11809	0.01065	-0.05155	0.2662	-0.08786	0.05778	-0.03683	0.42718
0.72129	-0.11914	0.00997	-0.05981	0.19701	-0.04787	0.30198	0.042958	0.3543
0.00227	-0.15281	0.00092	-0.19309	2.66E-05	-0.22882	5.79E-07	-0.0476	0.30465
0.40458	-0.12657	0.00616	-0.0149	0.74807	-0.03533	0.4463	-0.0308	0.50672
0.27361	-0.00178	0.96938	0.053821	0.24572	-0.00051	0.9913	-0.05327	0.2506
0.51081	-0.00616	0.89444	-0.00536	0.90809	-0.01284	0.78196	-0.00676	0.88411
0.9019	0.011684	0.80117	0.026172	0.57264	0.032012	0.49013	-0.03852	0.40628
0.11313	-0.10492	0.02336	-0.06991	0.1314	-0.07456	0.10756	-0.03293	0.47775
0.65756	0.013788	0.76633	0.025163	0.58754	0.022672	0.62505	-0.05589	0.22799
0.021	-0.13033	0.00479	-0.10676	0.02103	-0.12812	0.00556	-0.07821	0.09137
0.24929	-0.02	0.66637	-0.01142	0.80556	-0.0311	0.50255	0.002439	0.95807
0.12611	-0.08651	0.06177	-0.08732	0.05935	-0.09167	0.04772	-0.0157	0.73504
0.40001	-0.00274	0.95292	0.037511	0.41867	0.009603	0.83604	0.060739	0.19011
0.0003	-0.16149	0.00046	-0.13943	0.00253	-0.16817	0.00026	-0.04854	0.29517
0.01384	-0.11696	0.01143	-0.09685	0.03641	-0.12614	0.00634	-0.01337	0.77327
0.24533	-0.05497	0.23579	-0.03078	0.50698	-0.04205	0.36463	-0.00991	0.83091
0.00898	-0.1266	0.00615	-0.09148	0.04819	-0.12863	0.00537	-0.03379	0.46635
0.15166	-0.05753	0.21459	-0.02383	0.6075	-0.0573	0.21649	-0.02245	0.62847
0.75376	0.001512	0.974	-0.00153	0.97363	0.001914	0.9671	0.01335	0.77354
0.00921	-0.11658	0.01169	-0.09023	0.05134	-0.1125	0.015	-0.03613	0.43598
0.93434	-0.03957	0.39363	-0.01066	0.8182	-0.00104	0.98207	-0.02418	0.60227
0.05112	-0.08558	0.06462	-0.04897	0.29092	-0.07303	0.11503	-0.02428	0.60069
0.00662	-0.12353	0.00753	-0.08811	0.05707	-0.13263	0.00409	-0.02578	0.57843
0.01858	-0.12	0.00944	-0.08989	0.05223	-0.12031	0.00926	-0.03564	0.44221
0.01778	-0.12596	0.00642	-0.09131	0.04859	-0.11704	0.01137	-0.03592	0.43867

0.94336	0.014486	0.75488	0.048561	0.295	0.027707	0.55033	0.008273	0.85848
0.77152	-0.01725	0.71008	-0.02103	0.65037	-0.01354	0.77048	0.018084	0.6967
0.01614	-0.10236	0.02697	-0.06948	0.13378	-0.10982	0.01759	-0.03854	0.40602
0.00354	-0.18196	7.66E-05	-0.15503	0.00077	-0.17646	0.00013	-0.05528	0.23314
0.0148	-0.08822	0.05677	-0.06299	0.17417	-0.09981	0.03104	-0.04642	0.31684
0.05727	-0.05281	0.25475	-0.05027	0.27828	-0.07448	0.10798	-0.02035	0.66087
0.80077	0.005321	0.90871	0.024887	0.59164	0.012302	0.7909	0.043254	0.351
0.52774	-0.01469	0.75152	0.013664	0.76837	0.005217	0.91048	0.006827	0.88302
0.1631	-0.07491	0.10594	-0.04175	0.36801	-0.06876	0.13789	0.014029	0.76236
0.10282	-0.02125	0.64687	-0.00287	0.95062	-0.02784	0.54838	-0.11262	0.01489
0.20834	-0.00183	0.96857	-0.06031	0.19323	-0.06351	0.17063	0.03572	0.44125
0.00042	0.038607	0.4052	0.181407	8.06E-05	0.173543	0.00016	0.019299	0.67743
1.10E-07	-0.14889	0.00125	-0.17334	0.00017	-0.21324	3.33E-06	-0.21932	1.71E-06
0.0398	-0.06608	0.15393	-0.04161	0.36957	-0.06073	0.19018	-0.01868	0.68729
0.69512	-0.00664	0.88626	0.03059	0.50961	0.046255	0.31855	-0.0403	0.38491
0.00318	-0.10855	0.01895	-0.15368	0.00086	-0.16104	0.00048	-0.19593	2.01E-05
0.00996	-0.07111	0.12491	-0.07235	0.11842	-0.09147	0.0482	-0.12865	0.00536
0.05225	-0.08423	0.06896	-0.05433	0.24125	-0.08139	0.07891	-0.0284	0.54042
0.00319	-0.05498	0.23565	-0.09862	0.03311	-0.12991	0.00493	0.101954	0.02759
0.52361	0.005459	0.90634	-0.0085	0.85459	-0.03754	0.41837	0.011873	0.79803
0.0125	0.030998	0.50398	0.060071	0.19504	0.071474	0.12298	0.052395	0.25848
0.18503	-0.05582	0.2286	-0.0458	0.32334	-0.06972	0.13247	-0.05219	0.26038
0.78074	0.021412	0.64442	0.039358	0.39611	0.038931	0.40127	-0.02585	0.57732
0.5448	-0.03819	0.41029	-0.02175	0.63926	-0.03537	0.44577	-0.00818	0.86012
0.00433	-0.18174	7.82E-05	-0.12748	0.0058	-0.16905	0.00024	-0.12265	0.00797
0.00756	-0.01173	0.80041	0.022175	0.63267	-0.02314	0.61798	-0.12972	0.00499
0.08884	-0.04337	0.34975	-0.04178	0.36768	-0.06912	0.13585	0.016955	0.71479
0.04442	-0.11065	0.01675	-0.06341	0.17133	-0.10068	0.02959	-0.05496	0.23582
0.15279	-0.06148	0.18472	-0.06711	0.14759	-0.09811	0.03404	-0.05563	0.2302
0.03469	-0.07474	0.10672	-0.09352	0.04338	-0.1014	0.02845	-0.10952	0.0179
0.02023	-0.11911	0.00999	-0.14327	0.00191	-0.145	0.00168	-0.17223	0.00018
0.0249	-0.12108	0.00881	-0.08144	0.07872	-0.10646	0.02139	-0.03685	0.42695
0.8324	-0.17592	0.00013	-0.02499	0.59012	-0.06151	0.18451	-0.0111	0.81095
0.20498	-0.19729	1.75E-05	-0.04561	0.32537	-0.10989	0.01752	-0.02347	0.61297
0.00013	-0.07018	0.12992	-0.07719	0.09568	-0.13613	0.0032	-0.07686	0.09712
0.62756	0.013352	0.77352	-0.03001	0.51762	-0.01136	0.8065	-0.03769	0.41646
0.20834	0.031505	0.49703	0.079249	0.08714	0.093907	0.04252	0.01948	0.67457
0.57795	-0.03203	0.48993	-0.02507	0.58897	-0.04025	0.38546	0.012698	0.78433
0.76562	-0.00176	0.96967	0.038283	0.40915	0.019092	0.6807	-0.13155	0.00441
0.30626	-0.04053	0.38218	-0.02199	0.63547	-0.03142	0.49819	-0.01987	0.66849
0.48512	-0.26006	1.18E-08	-0.17767	0.00011	-0.15554	0.00074	-0.04951	0.28562
0.05827	-0.17472	0.00015	-0.08491	0.06675	-0.11988	0.00952	-0.01394	0.7639
0.76519	-0.07498	0.10561	-0.0254	0.58404	-0.00953	0.83723	-0.01953	0.67385
0.12033	-0.06242	0.1781	-0.02613	0.57328	-0.03858	0.40557	-0.04898	0.29084
0.02394	-0.00815	0.86059	0.152711	0.00093	0.104906	0.02338	0.005335	0.90847

0.18815	-0.05766	0.21361	-0.02948	0.52506	-0.04278	0.35629	-0.03177	0.49341
0.00096	-0.16622	0.00031	-0.13585	0.00327	-0.16493	0.00034	-0.10667	0.02114
0.27446	-0.04809	0.29976	-0.0504	0.27702	-0.05794	0.21137	-0.03764	0.41711
2.64E-08	-0.35857	1.29E-15	-0.24716	6.27E-08	-0.37676	3.38E-17	0.206555	6.78E-06
2.68E-10	-0.50501	1.36E-31	-0.3318	1.83E-13	-0.46119	5.68E-26	-0.09907	0.03232
0.00244	-0.28465	3.73E-10	-0.01802	0.69775	-0.16571	0.00032	0.049713	0.28368
0.00016	-0.21603	2.46E-06	0.059041	0.20281	-0.16965	0.00023	-0.00953	0.8373
0.05537	-0.1086	0.0189	0.062017	0.18093	-0.04862	0.29442	0.193454	2.56E-05
8.61E-13	0.172452	0.00018	0.242883	1.07E-07	0.246858	6.51E-08	0.325143	5.84E-13
0.05842	0.036571	0.43044	0.03236	0.48541	0.009387	0.83967	0.42312	1.04E-21
0.06871	-0.13629	0.00317	0.045328	0.32836	-0.09645	0.03719	0.185972	5.27E-05
0.08002	0.023346	0.6148	0.123711	0.00744	0.038218	0.40995	0.287619	2.40E-10
0.07179	-0.1579	0.00062	-0.10149	0.02831	-0.08223	0.07584	0.23471	2.89E-07
0.77185	0.020857	0.65303	0.303253	2.17E-11	0.09173	0.04757	0.031338	0.49931
0.03481	-0.30671	1.25E-11	-0.15095	0.00107	-0.22077	1.45E-06	-0.01686	0.71627
0.1869	-0.18086	8.48E-05	-0.02178	0.63872	-0.12875	0.00533	-0.00772	0.8678
9.23E-06	-0.08694	0.06046	0.257554	1.64E-08	0.13854	0.0027	0.165806	0.00032
0.04392	0.035157	0.44848	0.111245	0.01617	0.084309	0.06871	0.109314	0.01813
0.04553	-0.15003	0.00115	-0.01873	0.68638	-0.15615	0.00071	0.168877	0.00025
0.08241	-0.13961	0.0025	0.13388	0.00375	-0.09209	0.04671	-0.03156	0.4963
4.89E-11	-0.41866	3.04E-21	-0.1442	0.00178	-0.34909	7.89E-15	-0.03842	0.40746
8.52E-06	-0.01723	0.71028	0.254088	2.58E-08	0.146049	0.00155	0.237944	1.96E-07
0.81508	-0.02913	0.53004	0.107918	0.01966	0.001917	0.96705	0.093241	0.04401
0.01886	-0.04236	0.36103	0.098945	0.03254	0.033813	0.46603	-0.0638	0.16871
0.97338	-0.04264	0.35786	0.317521	2.13E-12	0.082596	0.07456	0.037161	0.42303
0.08497	-0.23284	3.61E-07	-0.15173	0.001	-0.22968	5.24E-07	0.115325	0.01264
7.26E-26	0.066158	0.15346	0.17109	0.0002	0.275888	1.33E-09	0.187776	4.44E-05
3.17E-09	0.309515	7.95E-12	0.429956	1.96E-22	0.361106	7.88E-16	0.222674	1.17E-06
0.37344	-0.11156	0.01586	0.030418	0.512	-0.0134	0.77275	0.169768	0.00023
0.00468	-0.02544	0.58338	-0.12332	0.00763	-0.02591	0.57651	0.244169	9.12E-08
1.37E-10	0.060586	0.19122	-0.00295	0.94931	0.109544	0.01788	0.316575	2.49E-12
2.80E-12	-0.19838	1.57E-05	-0.00871	0.85104	-0.24564	7.58E-08	0.087017	0.06025
3.20E-10	-0.1108	0.0166	0.032657	0.48142	0.068023	0.14217	0.169995	0.00022
0.96147	0.11288	0.01466	0.378935	2.15E-17	0.165856	0.00032	0.033	0.47682
0.0002	-0.02554	0.58196	0.085978	0.06339	-0.08609	0.06303	0.11749	0.01105
0.00641	0.142633	0.002	0.432837	9.56E-23	0.26035	1.13E-08	0.035969	0.43807
0.38932	0.072081	0.11982	0.195823	2.03E-05	0.082504	0.07488	0.178812	0.0001
0.02866	-0.17392	0.00016	-0.1983	1.58E-05	-0.24515	8.07E-08	0.140466	0.00235
0.29705	-0.10358	0.0252	0.007061	0.87904	-0.02773	0.54994	0.24296	1.06E-07
2.82E-08	-0.09666	0.03678	0.052568	0.2569	0.068099	0.14173	0.218811	1.81E-06
1.23E-11	0.249455	4.68E-08	0.54925	3.71E-38	0.406402	5.33E-20	0.34677	1.22E-14
1.09E-08	0.200138	1.31E-05	0.394635	7.47E-19	0.317789	2.03E-12	0.066215	0.1531
0.12379	-0.37528	4.58E-17	-0.06085	0.18932	-0.18957	3.74E-05	0.01168	0.80124
8.23E-06	0.016458	0.72279	0.216865	2.24E-06	0.189211	3.87E-05	0.321756	1.04E-12
5.00E-07	0.094461	0.04131	-0.01864	0.68783	0.072567	0.11734	0.301436	2.89E-11



9.43E-06	-0.23044	4.79E-07	0.094818	0.04054	-0.17589	0.00013	-0.02551	0.58239
0.0001	-0.00075	0.98706	0.210111	4.66E-06	-0.02214	0.63314	0.102699	0.02647
0.00013	-0.08455	0.06791	0.214187	3.00E-06	0.118913	0.01011	0.113619	0.01402
0.00393	-0.02883	0.53424	0.098434	0.03345	-0.0674	0.14587	0.011262	0.80822
1.64E-15	0.295863	6.89E-11	0.310076	7.26E-12	0.326166	4.89E-13	0.319253	1.59E-12
1.21E-08	-0.29141	1.36E-10	-0.05076	0.27365	-0.26713	4.52E-09	-0.12991	0.00493
0.0033	0.07699	0.09656	0.074772	0.10658	-0.03912	0.39896	0.086117	0.06296
0.00029	-0.28942	1.83E-10	-0.21081	4.33E-06	-0.31483	3.33E-12	-0.01241	0.78913
0.54547	-0.14157	0.00217	0.037527	0.41847	-0.10929	0.01815	0.085246	0.06568
0.24577	-0.12356	0.00751	0.133195	0.00393	0.007701	0.86817	0.131786	0.00433
8.53E-08	0.008737	0.85064	0.062555	0.17717	0.095033	0.04009	0.207057	6.44E-06
0.44783	-0.06735	0.14616	-0.03527	0.44707	-0.0989	0.03261	0.308685	9.10E-12
0.05855	-0.28941	1.84E-10	-0.1521	0.00098	-0.23958	1.61E-07	-0.01185	0.79846
0.68263	-0.13345	0.00386	0.053712	0.24668	-0.02654	0.56729	0.164745	0.00035
0.07863	-0.2072	6.34E-06	-0.00855	0.85382	-0.1226	0.00799	0.201286	1.17E-05
0.00029	-0.23554	2.62E-07	0.002213	0.96196	-0.00531	0.90886	0.137418	0.00292
1.55E-11	0.057374	0.21588	0.360175	9.45E-16	0.266523	4.91E-09	0.187582	4.52E-05
0.49841	-0.22303	1.13E-06	0.087712	0.05822	-0.04262	0.35809	-0.0084	0.8563
6.17E-10	0.106521	0.02132	0.297626	5.24E-11	0.225211	8.78E-07	0.222728	1.16E-06
2.20E-05	-0.15524	0.00076	-0.04857	0.29489	-0.18961	3.72E-05	0.133929	0.00374
3.13E-06	0.212868	3.47E-06	0.293594	9.75E-11	0.269248	3.37E-09	0.332753	1.55E-13
0.00138	-0.09762	0.03494	0.16841	0.00026	-0.07826	0.09117	-0.02276	0.6237
0.63651	-0.24933	4.76E-08	0.049699	0.28381	-0.08472	0.06737	0.181496	8.00E-05
4.13E-05	0.309522	7.94E-12	0.336662	7.71E-14	0.299934	3.66E-11	0.454941	3.10E-25
5.41E-07	-0.33839	5.66E-14	-0.14509	0.00167	-0.31398	3.83E-12	-0.08747	0.05891
1.44E-32	0.37248	8.13E-17	0.442153	8.99E-24	0.478033	4.89E-28	0.319229	1.60E-12
0.18987	0.060078	0.19498	0.09295	0.04468	0.031083	0.50281	0.114256	0.01349
0.02373	-0.26544	5.69E-09	-0.13494	0.00348	-0.24295	1.06E-07	0.117539	0.01102
4.77E-13	0.247958	5.67E-08	0.118042	0.01068	0.191731	3.03E-05	0.363865	4.58E-16
6.26E-06	-0.07233	0.11857	-0.04054	0.3821	0.014131	0.76069	0.222923	1.14E-06
0.07217	0.081357	0.07903	0.019542	0.67359	-0.04349	0.34839	0.263902	7.01E-09
0.00022	0.060891	0.18899	-0.04098	0.37689	0.010359	0.82332	-0.09071	0.0501
0.52381	-0.00114	0.9804	0.225358	8.64E-07	0.054048	0.24373	0.108012	0.01956
6.37E-05	-0.14043	0.00235	0.003063	0.94737	-0.16631	0.00031	0.16721	0.00028
0.11603	-0.01007	0.8282	0.012692	0.78443	-0.06903	0.13635	0.267235	4.45E-09
4.53E-15	-0.02719	0.55775	0.301579	2.83E-11	0.252453	3.19E-08	0.304585	1.76E-11
4.60E-06	-0.03174	0.49385	0.080056	0.08396	-0.13548	0.00335	0.01677	0.71775
0.06213	-0.2153	2.66E-06	0.032606	0.48211	-0.12471	0.00697	0.040795	0.37908
0.26931	-0.20491	8.05E-06	0.003236	0.9444	-0.10423	0.02429	0.221429	1.35E-06
0.74883	-0.02558	0.58144	0.265543	5.61E-09	0.077758	0.09327	0.132228	0.0042
3.91E-14	-0.33864	5.40E-14	-0.09517	0.0398	-0.32333	7.96E-13	-0.06675	0.14978
0.98049	-0.02395	0.6057	0.058892	0.20396	-0.05681	0.22041	0.134412	0.00361
1.18E-06	-0.20303	9.78E-06	-0.11966	0.00965	-0.27217	2.24E-09	-0.03572	0.44129
0.00056	0.29137	1.37E-10	0.344141	1.98E-14	0.261071	1.03E-08	0.288529	2.10E-10
0.0169	-0.08952	0.0532	0.120712	0.00902	0.051234	0.26919	0.296744	6.01E-11

0.01331	-0.23181	4.08E-07	0.039634	0.3928	-0.13692	0.00303	0.039037	0.39999
7.10E-10	-0.33975	4.42E-14	-0.08707	0.0601	-0.31463	3.44E-12	-0.0788	0.08893
0.82395	-0.24667	6.67E-08	0.061349	0.18568	-0.06817	0.14132	0.077852	0.09287
0.18356	-0.15915	0.00056	0.031365	0.49895	-0.05126	0.26891	0.207157	6.37E-06
2.12E-06	-0.13645	0.00313	-0.06384	0.16842	-0.0128	0.7827	0.088144	0.05699
1.28E-05	-0.33783	6.25E-14	-0.12081	0.00897	-0.27532	1.44E-09	0.047414	0.30656
0.00033	0.007971	0.86361	0.056416	0.22366	0.062062	0.18061	0.125758	0.0065
0.03567	-0.19631	1.93E-05	0.053304	0.25029	-0.10251	0.02675	0.113633	0.01401
1.41E-11	0.041506	0.37083	0.348974	8.06E-15	0.273916	1.75E-09	0.206733	6.66E-06

MMbrownp.	MMbrov	MMsaddlep.	MMsadd	MMorange	MMorar	MMdarkmp.	MMdarl	MMdarktu
-0.09772	0.03476	-0.13882	0.00264	0.046958	0.31125	0.025408	0.5839	0.035924
-0.03327	0.4732	-0.17597	0.00013	-0.01444	0.75564	-0.08696	0.0604	-0.02477
-0.05251	0.25739	-0.14614	0.00154	0.040276	0.38518	-0.04708	0.31003	-0.00114
0.162249	0.00043	-0.03619	0.43525	0.001695	0.97085	-0.07788	0.09277	-0.03302
-0.05896	0.2034	-0.26466	6.33E-09	0.005078	0.91285	-0.11313	0.01444	-0.0051
-0.02179	0.63861	-0.19683	1.84E-05	0.005829	0.90002	-0.05893	0.20364	-0.03152
0.036258	0.43439	-0.14625	0.00153	0.010411	0.82246	0.004079	0.92994	-0.07063
-0.07049	0.12825	-0.20817	5.72E-06	0.022537	0.62712	-0.04181	0.36735	0.02242
-0.02618	0.57258	-0.15007	0.00114	-0.00283	0.95134	-0.05594	0.22758	-0.03699
0.0003	0.99484	-0.2357	2.57E-07	-0.04196	0.36558	-0.15191	0.00099	-0.10341
0.012396	0.78933	-0.07786	0.09284	0.054907	0.23631	-0.01374	0.7672	0.031573
-0.04173	0.36822	-0.21396	3.08E-06	0.048843	0.2922	-0.02081	0.65379	-0.04798
-0.09059	0.05041	-0.27547	1.41E-09	0.013482	0.77137	-0.05623	0.22521	0.029636
0.091531	0.04806	0.018481	0.69037	0.028406	0.54032	-0.01231	0.79076	0.189233
-0.03255	0.48284	-0.16949	0.00023	-0.0076	0.86984	-0.03362	0.46858	-0.03287
0.037444	0.4195	-0.16846	0.00026	-0.01341	0.77258	-0.09744	0.03528	0.013113
-0.06103	0.18796	-0.10633	0.02155	0.051774	0.26417	-0.02341	0.61391	0.118555
0.014502	0.75461	-0.10872	0.01877	0.043727	0.34575	-0.02398	0.60527	-0.00065
-0.17748	0.00012	-0.28048	6.86E-10	-0.02793	0.54713	-0.07279	0.11623	-0.06205
-0.12705	0.00597	-0.14919	0.00122	0.002042	0.9649	0.010324	0.82392	0.040128
-0.0786	0.08975	-0.24842	5.34E-08	0.019903	0.66792	-0.03293	0.47779	-0.0241
-0.00779	0.86661	-0.15906	0.00056	0.052211	0.26015	-0.00466	0.91994	0.029105
-0.07738	0.09488	-0.17619	0.00013	0.027621	0.55157	0.105185	0.02301	0.086667
0.010883	0.81455	-0.17344	0.00017	0.000302	0.99481	-0.03141	0.49839	-0.02428
-0.1062	0.02172	-0.13937	0.00254	-0.01492	0.74776	-0.04017	0.38647	0.01377
-0.11655	0.01172	-0.23867	1.79E-07	-0.00323	0.94447	-0.06313	0.17321	0.049479
-0.05462	0.23875	-0.08015	0.0836	0.064447	0.1644	-0.01681	0.71707	0.004342
-0.08898	0.05466	-0.26061	1.09E-08	0.003135	0.94613	-0.07462	0.10732	-0.0019
-0.05353	0.24828	-0.22884	5.78E-07	0.027234	0.55716	-0.02999	0.51792	0.022891
0.135273	0.0034	-0.00352	0.93944	0.030106	0.51634	-0.10376	0.02494	-0.03444
-0.0747	0.10692	-0.15168	0.00101	0.011117	0.80976	-0.0482	0.29858	0.065537
-0.11742	0.0111	-0.24353	9.87E-08	-0.0205	0.65866	-0.0835	0.07144	-0.01712
0.020561	0.65763	-0.1841	6.28E-05	-0.02261	0.62594	-0.1143	0.01345	-0.0478
0.044951	0.3324	-0.07126	0.12411	-0.03228	0.48653	-0.07039	0.12876	-0.08734
0.065656	0.15661	-0.11123	0.01618	0.018453	0.69082	0.006941	0.88109	-0.06401
0.10541	0.02272	0.021124	0.64889	0.046651	0.31442	0.005445	0.90658	0.189713
-0.02453	0.59701	-0.13009	0.00487	0.011667	0.80146	-0.04496	0.33235	0.047535
-0.04491	0.33281	-0.11053	0.01687	-0.02397	0.60539	-0.08616	0.06281	-0.07255
0.304242	1.86E-11	0.065409	0.15818	-0.00634	0.89129	-0.08524	0.0657	-0.04182
-0.10707	0.02065	-0.17838	0.00011	0.017476	0.70641	0.028389	0.54055	0.076831
-0.06012	0.19465	-0.10513	0.02308	0.043466	0.34864	0.008973	0.84665	0.001358
-0.03844	0.40729	-0.17808	0.00011	-0.02761	0.55169	-0.06713	0.14749	-0.03711
0.013784	0.7664	-0.2349	2.83E-07	-0.02166	0.64064	-0.02209	0.63397	-0.03892
-0.05134	0.26824	-0.17651	0.00013	0.059648	0.1982	0.136558	0.00311	0.121975

0.20496	8.01E-06	0.31553	2.96E-12	0.152838	0.00092	0.261559	9.62E-09	0.43105
0.063851	0.16835	0.109969	0.01744	0.056938	0.21939	0.071278	0.12401	0.151515
-0.29975	3.77E-11	-0.14415	0.00179	0.041584	0.36992	0.113494	0.01413	0.031963
-0.02057	0.65747	-0.03622	0.43491	-0.01637	0.72419	-0.0321	0.48889	-0.01254
-0.08618	0.06277	-0.04505	0.33133	0.017932	0.69912	0.023961	0.60552	0.103055
0.232278	3.86E-07	0.380362	1.60E-17	-0.00919	0.84296	-0.00392	0.93273	0.165325
0.259362	1.29E-08	-0.05522	0.23362	0.001724	0.97036	-0.07129	0.12395	-0.07445
0.21939	1.69E-06	0.146884	0.00146	0.059274	0.20103	0.121576	0.00854	0.169183
-0.13633	0.00316	-0.02977	0.52105	-0.03867	0.40443	-0.10467	0.02369	-0.14456
0.197492	1.72E-05	0.331693	1.87E-13	0.090243	0.05131	0.213401	3.27E-06	0.16886
0.010339	0.82366	0.014353	0.75704	0.022126	0.63342	0.054743	0.23771	0.066741
0.076	0.10093	0.257283	1.70E-08	0.096882	0.03635	0.185693	5.41E-05	0.251469
-0.04931	0.2876	-0.21696	2.22E-06	0.002248	0.96136	0.045175	0.33	-0.06044
-0.03703	0.42463	0.204751	8.19E-06	0.031869	0.49206	0.202776	1.00E-05	0.009628
-0.05344	0.24911	-0.1213	0.00869	0.000413	0.9929	0.011994	0.79602	-0.07276
0.172134	0.00019	0.288186	2.21E-10	0.087179	0.05977	0.1855	5.51E-05	0.147737
0.023174	0.61742	0.124483	0.00707	0.014832	0.74921	0.053306	0.25027	0.014325
0.071278	0.12401	-0.20278	1.00E-05	0.005724	0.90181	-0.05858	0.20635	-0.0147
-0.13752	0.0029	-0.10081	0.0294	0.062596	0.17688	0.17811	0.00011	0.064231
0.089769	0.05254	-0.08553	0.06478	-0.03405	0.46295	-0.13112	0.00454	0.009102
-0.08385	0.07023	-0.2928	1.10E-10	0.010214	0.82575	0.023969	0.60539	-0.09651
0.338098	5.96E-14	0.442579	8.05E-24	-0.05104	0.27098	-0.08923	0.054	-0.15158
0.051043	0.27098	0.047608	0.30459	0.074992	0.10555	0.144082	0.0018	0.099836
-0.07961	0.08572	-0.00375	0.9356	-0.02894	0.53278	-0.07143	0.12318	-0.14618
-0.14897	0.00124	-0.49618	2.15E-30	-0.0112	0.80927	-0.07134	0.12369	-0.07
-0.22285	1.15E-06	-0.39851	3.17E-19	-0.03055	0.51019	-0.07593	0.10123	-0.09987
0.227484	6.76E-07	0.1522	0.00097	-0.03609	0.43651	-0.06018	0.19422	-0.0614
0.139301	0.00255	0.098595	0.03316	0.004978	0.91456	-0.05663	0.22187	0.047519
-0.09018	0.05146	-0.25012	4.30E-08	0.050261	0.2784	0.116942	0.01144	0.180089
0.039014	0.40026	-0.0677	0.14409	0.048465	0.29596	0.128354	0.00547	0.09086
-0.01937	0.67638	-0.18939	3.80E-05	0.080102	0.08378	0.073847	0.11099	0.196457
0.141573	0.00216	0.184722	5.92E-05	0.047036	0.31044	0.020544	0.6579	0.071619
0.143595	0.00186	-0.13795	0.00281	0.020433	0.65963	0.01532	0.74125	-0.02661
0.204154	8.71E-06	0.091155	0.04899	-0.02549	0.58274	-0.10241	0.0269	0.016206
-0.04645	0.3165	-0.16583	0.00032	-0.01391	0.76431	-0.00167	0.97126	-0.02002
0.02021	0.66312	-0.02344	0.61334	0.010068	0.82821	0.013739	0.76713	0.031835
-0.11155	0.01588	-0.04459	0.3363	0.018597	0.68854	0.112548	0.01496	-0.00989
-0.00528	0.90933	0.05849	0.20707	-0.00304	0.94772	0.017452	0.7068	0.087571
0.058285	0.20866	-0.11207	0.01539	0.030941	0.50477	0.092124	0.04662	0.013358
0.302049	2.63E-11	0.322446	9.26E-13	0.013763	0.76675	-0.1085	0.01901	0.061083
0.129007	0.00524	0.097851	0.03452	0.032476	0.48386	-0.00086	0.98526	0.038369
-0.02759	0.55201	-0.09999	0.03074	0.000665	0.98857	-0.11156	0.01587	-0.02343
0.048627	0.29434	0.002961	0.94912	-0.0134	0.77267	0.005196	0.91084	0.007085
-0.04733	0.30739	-0.15303	0.00091	-0.00925	0.84193	-0.05302	0.25286	0.042751
-0.00472	0.91904	-0.02191	0.63677	0.064753	0.1624	0.06811	0.14166	0.188196

0.030078	0.51672	-0.06764	0.14445	-0.02678	0.56374	-0.02777	0.5494	-0.02687
-0.20653	6.80E-06	-0.06316	0.17299	0.10123	0.02872	0.133947	0.00373	0.218474
-0.20348	9.34E-06	-0.36755	2.20E-16	0.025759	0.57871	0.001934	0.96674	0.058304
-0.11228	0.0152	-0.18853	4.13E-05	0.032165	0.48806	0.085142	0.06601	-0.08653
0.073444	0.11296	0.123795	0.0074	0.037829	0.41474	0.098975	0.03248	0.021837
0.099356	0.03182	0.032649	0.48153	0.008337	0.85739	-0.01906	0.68124	0.035158
-0.06942	0.13415	-0.06211	0.18027	-0.01796	0.69875	0.119136	0.00997	-0.08742
0.035246	0.44733	-0.11198	0.01548	0.084746	0.06728	0.120415	0.0092	0.178066
-0.02462	0.59558	-0.12374	0.00742	0.014103	0.76116	0.008874	0.84832	-0.00877
0.173422	0.00017	-0.10226	0.02713	0.023936	0.60589	0.028461	0.53954	0.086075
0.173691	0.00016	0.252363	3.23E-08	0.042326	0.36144	0.103696	0.02503	0.274942
-0.12568	0.00654	-0.24669	6.65E-08	-0.0161	0.72865	0.069721	0.13246	-0.12906
0.017422	0.70728	-0.02988	0.51949	0.010612	0.81909	-0.04371	0.3459	0.032368
0.188857	4.00E-05	0.084648	0.0676	0.028816	0.53448	0.053464	0.24888	0.025727
-0.12415	0.00723	-0.20403	8.82E-06	0.003347	0.94249	0.043657	0.34653	-0.02581
-0.02242	0.62889	-0.04307	0.35302	-0.02592	0.57635	0.06387	0.16822	0.04037
-0.04274	0.35673	8.96E-05	0.99846	0.105505	0.02259	0.174851	0.00015	0.203562
-0.04885	0.29215	-0.13518	0.00342	-0.0091	0.84444	-0.01861	0.68839	0.023414
0.149952	0.00115	0.1459	0.00157	0.005193	0.91088	0.011942	0.79687	0.091567
-0.18271	7.15E-05	-0.43089	1.55E-22	0.00356	0.93885	0.037853	0.41444	-0.02063
0.082306	0.07559	0.050643	0.27475	-0.01055	0.82017	-0.07324	0.11397	0.021575
-0.10591	0.02207	-0.1414	0.00219	0.069833	0.13183	0.16776	0.00027	0.158359
0.014555	0.75373	0.07138	0.12347	-0.04	0.38847	-0.0984	0.03351	-0.09383
0.080785	0.08117	-0.12658	0.00616	0.014017	0.76256	-0.00031	0.99463	0.022807
0.147217	0.00142	0.179414	9.68E-05	0.036594	0.43015	0.098884	0.03265	0.167785
-0.12546	0.00663	-0.18234	7.40E-05	0.040825	0.37873	0.030469	0.51129	0.012945
0.262576	8.39E-09	0.302609	2.40E-11	0.051439	0.26727	0.035641	0.44226	0.103817
0.288349	2.15E-10	0.112848	0.01469	0.040504	0.38249	0.071614	0.12224	0.170383
-0.15096	0.00107	-0.14485	0.0017	0.049666	0.28414	0.116547	0.01172	0.033817
-0.10726	0.02042	-0.04257	0.35863	-0.02266	0.62518	-0.04678	0.31306	-0.00878
0.148523	0.00129	0.180225	8.99E-05	0.014008	0.76271	0.011822	0.79888	0.111704
0.06994	0.13124	-0.12272	0.00793	-0.06571	0.15624	-0.23374	3.25E-07	-0.04851
-0.08476	0.06726	-0.01565	0.73592	-0.02621	0.57213	-0.05472	0.2379	-0.09827
-0.15618	0.00071	-0.17555	0.00014	-0.09128	0.04868	-0.08064	0.08171	-0.11145
0.430047	1.91E-22	0.158862	0.00057	0.040842	0.37853	0.029094	0.53054	0.064947
0.105408	0.02272	0.057549	0.21448	-0.03258	0.48239	-0.10472	0.02363	-0.07659
0.165665	0.00032	0.133599	0.00382	-0.02805	0.54536	-0.08791	0.05765	-0.05229
-0.06894	0.13688	-0.30382	1.98E-11	-0.00815	0.86061	-0.09187	0.04724	-0.1134
-0.10332	0.02557	-0.13691	0.00303	-0.0142	0.75956	-0.09069	0.05016	-0.16897
0.028518	0.53872	0.167515	0.00028	0.026248	0.57152	0.140281	0.00238	0.048893
0.34024	4.04E-14	0.022761	0.62369	0.012159	0.79328	-0.16527	0.00034	0.051798
-0.00893	0.84736	0.033077	0.4758	-0.01422	0.75926	0.034896	0.45186	0.059201
-0.02941	0.52608	-0.12469	0.00698	0.075896	0.1014	0.128682	0.00535	0.207054
0.039301	0.3968	0.182312	7.42E-05	0.082608	0.07451	0.130482	0.00474	0.127049
0.090364	0.05099	-0.01348	0.77147	-0.00499	0.91432	-0.05387	0.24525	0.035302

-0.05611	0.22616	-0.04305	0.3533	-0.07692	0.09687	-0.13783	0.00284	-0.03846
-0.02688	0.56229	-0.01026	0.82496	0.003232	0.94446	0.041164	0.37478	-0.00211
-0.0293	0.52762	0.020746	0.65475	-0.04149	0.37103	-0.05108	0.27059	-0.08551
0.213213	3.34E-06	0.19103	3.25E-05	0.008249	0.85888	-0.09941	0.03172	0.046385
0.307005	1.19E-11	0.520441	8.97E-34	-0.03491	0.45171	-0.06427	0.16554	-0.03607
-0.15739	0.00064	-0.26761	4.22E-09	-0.06802	0.14217	-0.12949	0.00507	-0.0798
0.22479	9.22E-07	0.149126	0.00123	-0.02044	0.65959	-0.05636	0.22409	0.013354
-0.11029	0.01711	-0.33477	1.08E-13	-0.04515	0.33029	-0.05499	0.23561	-0.00247
-0.03376	0.46669	-0.15954	0.00054	0.00886	0.84857	-0.09804	0.03417	-0.02851
0.079127	0.08763	0.086252	0.06255	-0.01888	0.68406	-0.06599	0.15448	-0.00853
0.015144	0.74411	-0.06396	0.16759	0.021128	0.64882	0.006231	0.89318	-0.0012
-0.10176	0.02789	-0.025	0.59	-0.03628	0.43414	-0.03097	0.50442	-0.0295
0.225314	8.68E-07	0.303072	2.23E-11	0.009082	0.84481	-0.03503	0.45016	0.069125
0.05782	0.21233	-0.09529	0.03955	0.025772	0.57853	0.022606	0.62607	0.008985
0.019473	0.67468	-0.01253	0.78713	0.205221	7.80E-06	0.296709	6.04E-11	0.574979
-0.16128	0.00047	-0.2408	1.38E-07	0.120184	0.00933	0.209818	4.81E-06	0.316617
-0.06629	0.15266	-0.12724	0.0059	0.014476	0.75503	0.021012	0.65062	0.070638
0.232947	3.57E-07	0.432301	1.09E-22	0.010364	0.82324	-0.00468	0.91961	0.068805
-0.03338	0.47175	-0.13312	0.00395	0.013921	0.76414	0.106753	0.02103	-0.04389
-0.01949	0.67435	-0.05446	0.24013	-0.04523	0.32944	-0.09662	0.03686	-0.03415
0.444317	5.13E-24	0.161869	0.00045	-0.01979	0.66965	-0.04768	0.30389	-0.06743
-0.1961	1.97E-05	-0.13321	0.00393	0.00133	0.97713	0.050232	0.27867	0.042027
-0.01231	0.79082	-0.28689	2.68E-10	-0.0397	0.392	-0.06433	0.16514	-0.24679
-0.12138	0.00865	-0.10182	0.02779	-0.03703	0.42464	-0.09089	0.04965	-0.00245
0.164702	0.00035	0.041844	0.36694	0.000292	0.99498	0.076075	0.10059	-0.01444
0.016144	0.72787	0.005118	0.91217	0.064077	0.16684	0.032881	0.47842	0.176075
-0.01885	0.68453	-0.22951	5.34E-07	0.016536	0.72152	0.122492	0.00805	-0.14883
0.069396	0.13428	0.076231	0.0999	0.033427	0.47114	0.08043	0.08252	0.043241
0.028753	0.53537	0.113919	0.01377	-0.012	0.7959	-0.0274	0.55482	0.080409
-0.28281	4.89E-10	-0.17306	0.00017	-0.00622	0.89344	0.020021	0.66608	-0.0386
0.221429	1.35E-06	0.182521	7.27E-05	0.008383	0.85662	-0.01347	0.77158	0.026544
-0.03199	0.49048	-0.19272	2.75E-05	-0.03694	0.42575	-0.103	0.02603	-0.02201
0.2271	7.07E-07	0.124665	0.00699	0.017447	0.70688	0.04684	0.31246	0.052677
0.169823	0.00023	0.261905	9.18E-09	0.036148	0.43579	0.004076	0.92999	0.10728
0.291455	1.35E-10	0.179705	9.43E-05	0.06761	0.14462	0.087563	0.05865	0.223409
-0.03286	0.47868	0.102884	0.0262	0.067335	0.14626	0.061522	0.18445	0.228169
0.15694	0.00067	0.049981	0.28108	0.003945	0.93224	-0.07918	0.08741	-0.10801
-0.11224	0.01524	-0.21256	3.58E-06	0.003499	0.93989	-0.00794	0.86407	-0.01051
0.076808	0.09735	0.157978	0.00061	0.052563	0.25694	0.155692	0.00074	0.058389
0.392799	1.12E-18	0.261067	1.03E-08	0.010865	0.81485	-0.00947	0.83823	-0.04244
-0.10151	0.02828	-0.19703	1.80E-05	0.025881	0.57692	-0.01293	0.78045	-0.0262
-0.0384	0.40768	0.055864	0.22822	-0.00517	0.91121	0.037443	0.41951	-0.01285
0.28527	3.40E-10	0.216102	2.44E-06	-0.0063	0.89194	-0.0506	0.27516	0.088068
-0.04478	0.33426	-0.01435	0.75708	0.092413	0.04594	0.149287	0.00121	0.242829
0.109661	0.01776	0.042575	0.35861	0.032845	0.47889	0.12997	0.00491	0.013044

-0.00392	0.93271	-0.24448	8.77E-08	0.043004	0.35379	0.003672	0.93693	0.046546
-0.06475	0.16244	-0.25406	2.59E-08	-0.05139	0.26772	-0.07412	0.10969	-0.09533
0.201614	1.13E-05	0.202745	1.01E-05	-0.0235	0.61249	-0.04602	0.32104	-0.11489
-0.09359	0.04323	-0.16061	0.00049	-0.00705	0.87927	-0.05125	0.26907	0.008967
-0.10174	0.02791	-0.10342	0.02543	0.008262	0.85868	0.046406	0.31697	0.016467
0.159617	0.00054	-0.07018	0.12995	-0.02668	0.56526	-0.01599	0.73034	0.036376
0.106181	0.02174	0.12979	0.00497	0.00377	0.93525	-0.08765	0.05841	-0.0027
0.081324	0.07915	0.058149	0.20973	0.011531	0.80373	-0.0264	0.56925	0.022047
-0.17469	0.00015	-0.18307	6.91E-05	0.017772	0.70168	0.034033	0.46313	0.112301
-0.01137	0.80634	-0.31867	1.75E-12	-0.01177	0.79973	-0.11954	0.00972	-0.06006
-0.05454	0.23947	-0.02028	0.66208	0.019484	0.6745	0.101307	0.02859	-0.07249
0.17472	0.00015	-0.19812	1.61E-05	-0.03763	0.41723	-0.11283	0.0147	-0.06844
-0.02306	0.61919	0.070928	0.12587	0.052202	0.26023	0.103357	0.02551	0.046846
0.056567	0.22242	-0.13494	0.00348	-0.03215	0.48829	-0.15701	0.00066	-0.0325
0.206036	7.16E-06	0.045807	0.32327	0.022718	0.62435	-0.0396	0.39326	0.134411
0.01935	0.67662	-0.08223	0.07586	0.029344	0.52702	0.049056	0.2901	0.044274
0.036638	0.42958	0.045346	0.32817	0.059499	0.19933	0.181335	8.12E-05	0.03857
0.109733	0.01768	0.299995	3.63E-11	0.029244	0.52843	0.134121	0.00369	0.055906
0.233582	3.31E-07	0.343306	2.31E-14	0.015953	0.73096	0.059733	0.19756	0.141353
0.068345	0.14029	0.142588	0.00201	0.03754	0.41831	0.119514	0.00974	0.212223
-0.2857	3.20E-10	-0.22056	1.49E-06	0.076532	0.09856	0.235171	2.74E-07	0.104915
-0.22615	7.88E-07	-0.24196	1.20E-07	-0.00632	0.89174	-0.02058	0.65728	0.071766
0.068168	0.14132	-0.00368	0.93679	-0.01197	0.79643	-0.06952	0.13358	0.046411
-0.02601	0.57497	-0.06011	0.19471	0.029676	0.52235	0.077675	0.09362	0.096711
0.122065	0.00827	0.095041	0.04007	0.051995	0.26213	0.082082	0.07639	0.138514
0.015792	0.73357	0.110671	0.01673	0.05033	0.27774	0.058479	0.20715	0.021182
0.327356	3.98E-13	0.190284	3.49E-05	-0.06285	0.17515	-0.17318	0.00017	-0.2185
0.165271	0.00033	0.096979	0.03616	0.024	0.60493	0.026998	0.56058	-0.04873
0.358284	1.37E-15	0.479042	3.64E-28	0.05785	0.21209	0.150138	0.00114	0.02887
0.098442	0.03343	0.196377	1.92E-05	0.075204	0.10456	0.160117	0.00051	0.123879
-0.0596	0.19858	0.038205	0.41011	-0.00165	0.97158	-0.01016	0.82666	0.018672
0.238853	1.75E-07	0.214664	2.85E-06	0.022988	0.62025	0.039913	0.38948	0.024574
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0.006648	0.88607	-0.22445	9.58E-07	-0.01116	0.80992	-0.09052	0.05059	-0.03527
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-0.20123	1.18E-05	-0.31924	1.59E-12	0.059101	0.20236	0.25721	1.71E-08	-0.02501
-0.06089	0.18904	0.030147	0.51577	0.012451	0.78843	0.100861	0.02931	-0.10668
0.088078	0.05717	-0.0859	0.06363	-0.01107	0.8114	-0.06561	0.15691	0.032803
0.209592	4.92E-06	0.297931	5.00E-11	0.045637	0.32507	0.116002	0.01212	0.115869
-0.04492	0.33278	-0.26419	6.74E-09	0.065073	0.16033	0.186092	5.21E-05	0.082089
0.171163	0.0002	-0.13033	0.00479	0.019391	0.67598	0.06018	0.19422	0.131235
0.18128	8.16E-05	0.079052	0.08793	0.021802	0.63841	0.007972	0.86358	0.074096
0.063891	0.16808	-0.06407	0.16692	0.018729	0.68644	-0.0025	0.95701	-0.00464
0.068059	0.14196	-0.22139	1.35E-06	0.003342	0.94259	0.001494	0.97432	0.016198
0.143426	0.00189	0.054686	0.2382	-0.04442	0.33814	-0.07287	0.11583	-0.00753

0.02297	0.62052	-0.07769	0.09356	0.023859	0.60705	0.045168	0.33007	-0.03213
0.110732	0.01667	0.099159	0.03216	0.136244	0.00318	0.201789	1.11E-05	0.220216
0.061228	0.18655	-0.13391	0.00374	-0.01541	0.73982	0.0222	0.63229	-0.08256
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0.031002	0.50392	-0.02048	0.65885	0.046393	0.31711	0.147582	0.00138	0.216496
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0.030137	0.51591	0.120313	0.00926	0.000575	0.99011	0.051272	0.26883	0.047671
0.16944	0.00023	0.039508	0.39432	0.013775	0.76654	0.039815	0.39065	0.066029
-0.00468	0.91967	-0.21763	2.06E-06	0.032497	0.48357	0.048819	0.29244	0.089392
0.055431	0.23186	0.130969	0.00458	0.006455	0.88935	-0.0111	0.81099	0.161537
0.077509	0.09432	-0.06378	0.16885	0.008455	0.85541	-0.02407	0.60383	-0.01425
0.036667	0.42922	0.066145	0.15354	-0.00284	0.9512	0.030158	0.51561	0.052976
0.200157	1.31E-05	0.318199	1.90E-12	0.066186	0.15328	0.040351	0.3843	0.1898
0.155532	0.00074	0.074647	0.10717	-0.02831	0.54167	-0.13362	0.00382	-0.00093
0.076827	0.09727	0.146872	0.00146	0.073065	0.11483	0.186556	4.98E-05	0.205962
0.126816	0.00606	-0.02015	0.66407	-0.00224	0.96149	-0.02767	0.55084	0.081642
0.205163	7.85E-06	0.137451	0.00292	0.037509	0.41869	0.001321	0.97728	0.077821
0.025994	0.57526	-0.0179	0.69956	0.07702	0.09643	0.146259	0.00153	0.045391
0.082335	0.07548	0.159883	0.00052	0.081654	0.07794	0.100811	0.02939	0.225514
0.250637	4.03E-08	0.0597	0.19781	0.001951	0.96646	-0.02967	0.52237	0.03114
0.204766	8.18E-06	0.045183	0.32991	0.073619	0.1121	0.043955	0.34323	0.08631
0.029659	0.52258	-0.16314	0.0004	0.000571	0.99017	-0.01452	0.75425	-0.01777
0.26045	1.12E-08	-0.05366	0.2471	0.020955	0.6515	-0.01362	0.76916	0.143377
0.017742	0.70216	-0.13037	0.00478	-0.04841	0.29647	-0.11016	0.01724	-0.09466
0.10488	0.02341	-0.09808	0.03409	0.004632	0.92049	-0.04039	0.38378	-0.02848
0.162881	0.00041	0.231527	4.22E-07	0.027627	0.55149	0.079904	0.08455	0.092197
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0.067976	0.14245	0.030793	0.5068	-0.0296	0.52345	-0.07379	0.11127	-0.02661
0.187161	4.71E-05	0.110549	0.01685	-0.03076	0.50724	0.067338	0.14624	-0.16847
0.322112	9.80E-13	0.191095	3.23E-05	0.063895	0.16805	0.083151	0.07262	0.167269
0.017534	0.70548	0.001763	0.96969	0.014074	0.76162	-0.00326	0.944	0.101665
0.053489	0.24865	0.216252	2.40E-06	0.089237	0.05397	0.190386	3.45E-05	0.316744
-0.09779	0.03462	-0.30256	2.42E-11	0.015197	0.74325	-0.02798	0.54647	-0.00336
0.11072	0.01668	0.203084	9.73E-06	0.041696	0.36864	0.123793	0.0074	-0.01163
0.023044	0.61939	0.295294	7.52E-11	0.053773	0.24614	0.186778	4.88E-05	0.335809
0.001221	0.97901	-0.00412	0.92932	-0.02652	0.56761	-0.00412	0.9292	-0.25318
0.432595	1.02E-22	0.390055	2.03E-18	0.014108	0.76108	-0.00591	0.89865	0.092156
0.26853	3.72E-09	0.550838	2.07E-38	0.003334	0.94272	-0.00583	0.9	0.038226
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-0.19149	3.10E-05	-0.2984	4.65E-11	0.000224	0.99614	0.034567	0.45614	-0.04335
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0.05827	0.20878	-0.10072	0.02954	0.021592	0.64164	0.05608	0.22643	0.056425
0.003064	0.94734	0.035142	0.44868	0.234485	2.97E-07	0.399523	2.53E-19	0.521941
0.134344	0.00363	0.032421	0.4846	0.012136	0.79365	0.000122	0.9979	0.040956



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0.022421	0.62889	0.085832	0.06384	0.07456	0.10758	0.082456	0.07505	0.137295
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0.011393	0.80602	0.054116	0.24313	-0.01269	0.78454	0.038877	0.40191	-0.07064
0.107941	0.01964	0.080645	0.0817	0.001515	0.97396	-0.02091	0.65227	0.022316
0.053797	0.24593	0.232375	3.82E-07	0.025657	0.58022	0.091674	0.04771	0.158679
0.067251	0.14676	-0.0538	0.24587	0.045645	0.32498	0.061415	0.18521	0.12488
0.017988	0.69823	0.162633	0.00042	-0.00744	0.8726	0.036327	0.43351	0.097153
0.068823	0.13753	0.04988	0.28206	-0.02496	0.59062	0.00542	0.90701	-0.08985
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0.054496	0.23984	-0.04433	0.33914	0.03477	0.4535	0.092598	0.0455	0.046408
0.017894	0.69972	-0.07246	0.11787	0.003095	0.94681	0.042843	0.3556	-0.00541
0.303033	2.25E-11	0.024263	0.60098	-0.08065	0.08169	-0.19982	1.36E-05	-0.25086
0.04925	0.2882	-0.03482	0.45284	0.027881	0.54782	0.060749	0.19003	0.058184
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0.113489	0.01413	0.260525	1.10E-08	-0.02536	0.58459	-0.03287	0.47855	-0.02248
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0.248655	5.19E-08	0.078098	0.09184	-0.00133	0.97713	-0.03016	0.51561	0.040483
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0.184034	6.32E-05	0.062926	0.17461	0.000664	0.98859	-0.00272	0.95327	-0.05047
0.03403	0.46317	-0.16998	0.00022	-0.00036	0.99387	-0.00441	0.92426	0.055253
0.110182	0.01722	0.187986	4.35E-05	0.040259	0.38538	0.044435	0.33799	0.161759
0.523849	2.86E-34	0.393894	8.78E-19	0.056377	0.22397	0.062165	0.17989	0.120275
0.040213	0.38593	0.074544	0.10765	-0.0369	0.42624	-0.05637	0.22406	-0.06611
0.065554	0.15725	-0.0122	0.79252	0.023999	0.60495	0.031305	0.49976	0.081135
0.286235	2.95E-10	0.11742	0.0111	0.011032	0.81206	-0.04843	0.29635	0.105266
-0.21057	4.44E-06	-0.2373	2.12E-07	-0.01812	0.69607	-0.03165	0.49498	-0.15749
-0.01603	0.72973	0.007266	0.87556	0.030524	0.51052	0.069559	0.13336	0.065023
0.024355	0.5996	0.138587	0.00269	0.047099	0.3098	0.118819	0.01017	0.128383
0.02124	0.64708	0.101436	0.02839	0.026802	0.56343	0.123155	0.00771	0.008888
-0.03592	0.43866	-0.08061	0.08184	0.072573	0.11731	0.195941	2.00E-05	0.091819
-0.11009	0.01732	0.004978	0.91455	-0.03192	0.49133	-0.0419	0.36634	0.007661
0.143396	0.00189	-0.03804	0.41209	-0.03753	0.41841	-0.01913	0.68015	-0.01707
-0.0364	0.43264	-0.22229	1.22E-06	-0.02389	0.60652	-0.08905	0.05448	0.030192
-0.1887	4.06E-05	-0.09905	0.03236	-0.0046	0.92109	0.032426	0.48452	0.094249
0.11577	0.0123	0.120071	0.0094	0.03088	0.50561	0.052101	0.26116	-0.01886
0.032996	0.47688	0.051934	0.26269	0.027001	0.56054	0.092705	0.04525	0.060115
-0.21586	2.50E-06	-0.38062	1.51E-17	-0.07525	0.10435	-0.1543	0.00082	-0.22617
0.004358	0.92517	0.16081	0.00049	0.112076	0.01539	0.322446	9.26E-13	0.24967
0.181908	7.70E-05	0.319869	1.43E-12	0.048609	0.29452	0.141331	0.0022	0.17127
-0.06429	0.1654	0.005979	0.89746	0.018018	0.69775	0.068526	0.13924	0.072627
-0.07753	0.09425	0.111655	0.01578	0.026952	0.56125	0.186242	5.13E-05	-0.01932
-0.14361	0.00186	-0.13667	0.00308	0.079552	0.08593	0.153952	0.00084	0.106517
0.23329	3.42E-07	0.134497	0.00359	0.098297	0.0337	0.184487	6.06E-05	0.135352
0.019586	0.6729	-0.20657	6.77E-06	-0.01513	0.74442	-0.02285	0.62236	-0.03112

-0.01702	0.71376	0.02758	0.55216	0.124444	0.00709	0.166572	0.0003	0.236819
-0.24932	4.77E-08	-0.13871	0.00266	-0.02117	0.64821	0.068491	0.13944	0.015567
-0.09561	0.03889	-0.19114	3.21E-05	-0.08835	0.0564	-0.12712	0.00594	-0.16467
-0.00962	0.8357	0.017501	0.70601	0.046496	0.31604	0.07175	0.12153	0.345805
0.178348	0.00011	0.096332	0.03743	0.041346	0.37267	-0.00605	0.89632	0.111769
0.153767	0.00086	-0.01678	0.71752	0.002129	0.9634	-0.11642	0.01181	0.051268
0.081787	0.07745	-0.13369	0.0038	0.017599	0.70445	0.002107	0.96377	0.022022
0.208198	5.71E-06	0.006492	0.88873	-0.00385	0.93395	0.034513	0.45685	0.092603
-0.07333	0.11355	-0.06835	0.14024	0.028205	0.54318	0.039649	0.39262	0.035597
0.00013	0.99776	-0.11395	0.01375	-0.01891	0.68362	-0.01728	0.70948	-0.14448
0.125217	0.00674	0.059947	0.19596	0.02468	0.59473	0.012942	0.78028	0.119836
0.150398	0.00111	-0.00774	0.86755	0.005709	0.90208	-0.0028	0.95196	0.013686
0.099685	0.03125	0.017475	0.70643	0.001316	0.97737	0.029057	0.53107	-0.02765
0.121126	0.00879	0.297323	5.50E-11	0.066572	0.1509	0.1231	0.00774	0.224527
-0.08115	0.07979	-0.18215	7.53E-05	-0.0063	0.89196	0.07769	0.09356	-0.04124
-0.04703	0.31052	-0.17981	9.34E-05	-0.01071	0.81746	-0.11232	0.01516	-0.05599
0.201238	1.18E-05	0.237918	1.97E-07	0.006461	0.88926	-0.002	0.9656	0.096346
-0.02648	0.56812	-0.16699	0.00029	0.068291	0.1406	0.066743	0.14985	0.191622
0.126577	0.00616	0.092767	0.04511	0.061349	0.18569	0.207385	6.22E-06	0.176731
0.13377	0.00378	0.117785	0.01085	-0.01471	0.75122	-0.00451	0.92264	-0.02654
0.218591	1.85E-06	0.107469	0.02018	0.037593	0.41766	-0.00595	0.89788	0.119005
0.32131	1.12E-12	0.234863	2.84E-07	0.025066	0.58897	0.021506	0.64297	-0.08576
0.151235	0.00104	0.018683	0.68717	0.027911	0.5474	0.016588	0.72069	0.075857
-0.00661	0.88676	-0.14432	0.00177	0.020187	0.66347	0.020031	0.66592	0.100307
0.053172	0.25147	-0.14019	0.00239	-9.47E-05	0.99837	-0.04768	0.30386	-0.0263
0.223119	1.11E-06	0.487646	2.87E-29	0.022607	0.62605	0.154433	0.00081	0.018124
-0.0739	0.11072	-0.31094	6.31E-12	0.022777	0.62346	-0.00656	0.88754	0.010856
-0.31569	2.89E-12	-0.52621	1.28E-34	0.03295	0.47749	0.052315	0.2592	0.085523
0.134398	0.00362	0.023207	0.61691	0.004821	0.91725	0.050087	0.28007	0.005224
-0.1785	0.00011	-0.27921	8.25E-10	-0.03486	0.45231	-0.06406	0.16698	-0.0874
-0.04191	0.36614	0.115963	0.01215	0.084263	0.06887	0.124248	0.00718	0.074716
0.004627	0.92057	-0.01493	0.74755	0.022272	0.63118	0.017066	0.713	0.110038
0.093368	0.04373	0.098659	0.03305	0.031238	0.50068	0.019286	0.67764	0.165923
-0.05155	0.26622	0.075911	0.10134	-0.02349	0.61256	-0.00981	0.83253	0.025506
-0.31741	2.17E-12	-0.37295	7.38E-17	0.00906	0.84518	0.055855	0.2283	-0.03104
0.111235	0.01618	-0.08599	0.06334	0.015875	0.73223	-0.00697	0.88061	0.059263
0.097731	0.03474	0.243009	1.05E-07	0.037719	0.41609	-0.00231	0.96038	0.148705
-0.20297	9.84E-06	-0.28534	3.37E-10	0.070851	0.12628	0.192341	2.86E-05	0.231888
-0.11001	0.01739	0.149136	0.00123	0.038254	0.4095	0.143741	0.00184	-0.04266
0.192746	2.75E-05	0.077298	0.09523	0.015423	0.73957	-0.05508	0.23481	0.096382
0.125353	0.00668	0.258169	1.51E-08	0.02022	0.66297	0.040345	0.38437	0.017054
0.002606	0.95521	0.256986	1.77E-08	-0.0052	0.91069	-0.00788	0.8651	0.149339
0.024405	0.59884	-0.13994	0.00244	0.117252	0.01122	0.33497	1.04E-13	0.233058
0.013224	0.77562	-0.06004	0.19525	0.043851	0.34438	0.134704	0.00354	0.043339
0.122882	0.00785	0.168485	0.00025	0.034067	0.46268	0.072421	0.11808	0.070864

-0.02845	0.53976	-0.23868	1.79E-07	-0.02219	0.63238	-0.11901	0.01005	-0.0738
0.348796	8.33E-15	0.388159	3.05E-18	0.07111	0.1249	0.185093	5.72E-05	0.133264
0.103072	0.02592	0.016959	0.71471	0.001933	0.96676	0.002908	0.95003	-0.08121
0.007571	0.87039	0.236082	2.45E-07	0.038347	0.40836	0.142919	0.00196	0.034184
0.056353	0.22417	0.011112	0.81071	0.067188	0.14715	0.160579	0.00049	-0.01658
-0.08869	0.05546	0.133681	0.0038	0.111288	0.01613	0.294748	8.17E-11	0.215143
0.123764	0.00741	0.341843	3.02E-14	0.056542	0.22263	0.170445	0.00022	-0.0261
0.016445	0.723	0.150345	0.00112	0.050761	0.27364	0.05174	0.26448	0.116484
0.214287	2.97E-06	0.12914	0.00519	0.000408	0.99298	-0.06326	0.17232	0.081331
-0.1225	0.00805	-0.20899	5.25E-06	0.026296	0.57083	0.063527	0.17052	0.030201
-0.0107	0.8176	-0.08657	0.06159	-0.02734	0.55567	-0.10384	0.02482	-0.04058
-0.08216	0.07611	-0.02482	0.59269	-0.00014	0.99764	0.144736	0.00171	0.003893
0.259844	1.21E-08	0.342136	2.86E-14	-0.04651	0.31584	-0.12841	0.00545	-0.14323
0.226949	7.19E-07	-0.07221	0.11915	0.061092	0.18754	0.07162	0.12221	0.075586
0.26127	1.00E-08	0.314074	3.77E-12	0.075305	0.1041	0.112002	0.01546	0.29027
0.12688	0.00604	0.223024	1.13E-06	-0.00775	0.86742	0.013711	0.7676	0.077657
-0.08714	0.05988	-0.10474	0.0236	0.038831	0.40248	0.147326	0.00141	0.033817
-0.01385	0.76529	-0.03226	0.48674	-0.0023	0.96048	0.030167	0.51549	0.051892
0.023229	0.61659	-0.06848	0.13949	-0.001	0.98285	-0.02938	0.52648	-0.05456
-0.11867	0.01027	-0.04856	0.29502	0.068967	0.13671	0.150313	0.00112	0.097219
0.03191	0.49151	0.022933	0.62107	0.018696	0.68697	0.051078	0.27065	0.029593
-0.02809	0.54479	-0.24458	8.66E-08	-0.06215	0.17996	-0.12195	0.00833	-0.06387
0.000571	0.99019	0.048645	0.29416	0.047688	0.30378	0.174012	0.00016	-0.03667
0.137993	0.0028	-0.02102	0.65051	0.027065	0.55962	-0.00688	0.88217	0.058613
-0.0015	0.97417	0.066648	0.15043	-0.02245	0.62844	-0.09318	0.04416	0.08612
0.375204	4.65E-17	0.386863	4.03E-18	0.005196	0.91083	-0.06824	0.14092	-0.04675
0.402659	1.25E-19	0.272148	2.25E-09	-0.05438	0.24087	-0.15427	0.00082	-0.16298
-0.03871	0.4039	-0.17702	0.00012	0.001613	0.97227	0.014739	0.75073	0.02752
-0.00368	0.9368	0.025674	0.57997	0.030058	0.51701	0.086964	0.0604	-0.0162
0.195634	2.07E-05	-0.06133	0.18583	-0.05973	0.19757	-0.21472	2.83E-06	-0.14832
0.133318	0.0039	0.031489	0.49724	0.035381	0.44559	-0.04715	0.30931	0.086027
0.036855	0.42685	-0.00815	0.86048	0.044695	0.33517	0.076447	0.09894	0.061671
-0.21042	4.51E-06	-0.1867	4.91E-05	-0.01796	0.69872	-0.05737	0.21592	-0.129
-0.24468	8.55E-08	-0.41825	3.36E-21	-0.05907	0.20257	-0.0722	0.11919	-0.22181
-0.01941	0.67562	0.123967	0.00732	0.057626	0.21387	0.163603	0.00039	0.173219
0.235234	2.72E-07	0.109174	0.01827	-0.06033	0.19314	-0.09568	0.03874	0.025392
-0.1992	1.45E-05	-0.16821	0.00026	-0.04272	0.35698	-0.1076	0.02003	-0.04385
0.135788	0.00328	0.002873	0.95063	-0.05577	0.22905	-0.15993	0.00052	-0.16029
-0.04033	0.3845	-0.07643	0.09903	0.038066	0.41182	0.089423	0.05347	0.154387
0.137967	0.00281	0.112246	0.01523	-0.03732	0.42105	-0.16941	0.00024	-0.11178
0.094848	0.04048	-0.01511	0.7447	-0.05768	0.21345	-0.10116	0.02883	0.023562
-0.0076	0.86983	0.277894	9.96E-10	0.041684	0.36877	0.124988	0.00684	0.31167
-0.01599	0.73034	-0.20293	9.89E-06	-0.01241	0.78905	-0.04817	0.2989	0.08787
0.279242	8.21E-10	-0.01216	0.79329	0.007194	0.87678	-0.01464	0.75241	-0.05801
0.038524	0.40621	-0.04615	0.31969	-0.06045	0.19224	-0.04982	0.28264	0.011114

0.141056	0.00225	0.032859	0.47871	0.031569	0.49616	0.047364	0.30708	-0.00743
0.140284	0.00238	-0.09341	0.04363	-0.07179	0.1213	-0.14808	0.00133	-0.18511
0.066625	0.15057	0.243971	9.34E-08	0.056609	0.22208	0.083888	0.07012	0.214597
-0.17301	0.00017	-0.36606	2.96E-16	-0.02241	0.62903	-0.09208	0.04674	-0.07311
-0.01694	0.71495	-0.29018	1.64E-10	0.015822	0.73309	-0.06739	0.14593	-0.02365
-0.15936	0.00055	0.024502	0.5974	0.036509	0.43121	0.092854	0.0449	0.060786
0.05822	0.20917	0.045991	0.32133	-0.05592	0.22778	-0.0521	0.26112	-0.0651
0.209223	5.12E-06	0.254118	2.57E-08	0.053261	0.25067	0.189775	3.66E-05	0.107362
0.201144	1.19E-05	0.155911	0.00072	0.021453	0.64378	0.105174	0.02302	-0.04333
0.146919	0.00145	0.054483	0.23995	0.036317	0.43364	0.032917	0.47793	0.041718
0.048377	0.29683	0.2532	2.89E-08	0.125277	0.00671	0.268275	3.86E-09	0.363192
0.152798	0.00092	0.11957	0.0097	0.074596	0.10741	0.162768	0.00041	0.314015
0.230486	4.77E-07	0.141724	0.00214	-0.02339	0.61412	-0.00314	0.94612	0.04238
0.027201	0.55764	-0.0258	0.57816	0.014965	0.74704	0.000588	0.98989	0.081302
0.15757	0.00063	0.125832	0.00647	-0.02269	0.62481	-0.01972	0.67081	0.013098
0.04478	0.33424	-0.02445	0.59819	0.039334	0.3964	0.036406	0.43252	0.050355
0.068828	0.1375	0.151237	0.00104	0.035056	0.44979	0.031411	0.49832	0.103013
0.078475	0.09028	0.219488	1.68E-06	0.073999	0.11026	0.150534	0.0011	0.126101
0.062434	0.17801	0.122766	0.00791	-0.00652	0.88823	-0.07005	0.13062	-0.0434
0.045772	0.32364	0.160761	0.00049	-0.02094	0.65169	-0.03067	0.50844	0.012349
-0.02135	0.64534	0.056953	0.21927	-0.05517	0.23408	-0.0772	0.09567	-0.02218
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0.079962	0.08433	-0.10771	0.0199	0.038077	0.41168	0.04597	0.32155	0.093847
-0.01692	0.71536	0.230748	4.62E-07	-0.06728	0.14658	-0.07199	0.1203	0.052701
0.095812	0.03848	-0.11728	0.0112	0.01323	0.77553	-0.09652	0.03707	0.09591
0.088669	0.05552	0.137492	0.00291	0.054165	0.24272	0.05444	0.24032	0.162751
0.046701	0.31391	0.11696	0.01142	-0.01927	0.67783	0.000322	0.99447	-0.04364
0.127453	0.00581	0.039114	0.39906	-0.00794	0.86414	-0.03425	0.46027	0.046706
0.038386	0.40789	0.107926	0.01965	-0.02274	0.62404	-0.09856	0.03322	-0.03643
-0.09651	0.03707	-0.10545	0.02266	-0.00978	0.83312	0.02012	0.66452	0.072254
0.174115	0.00016	0.12318	0.0077	0.027982	0.54638	0.077628	0.09382	-0.02274
0.133239	0.00392	0.366064	2.96E-16	-0.05371	0.2467	-0.10418	0.02436	-0.00715
-0.16119	0.00047	-0.08495	0.06664	0.011836	0.79864	0.05974	0.19751	-0.01695
-0.03878	0.40315	-0.16309	0.0004	0.003819	0.9344	-0.06057	0.19135	-0.07939
0.051671	0.26512	-0.09083	0.04979	-0.01732	0.70896	-0.03364	0.46838	-0.04186
-0.08358	0.07117	-0.16333	0.00039	0.079027	0.08803	0.159441	0.00054	0.098578
0.13868	0.00267	0.017119	0.71214	0.010204	0.82594	-0.04753	0.30535	-0.00552
0.07809	0.09187	0.052621	0.25642	0.01242	0.78894	0.008806	0.84947	0.031784
-0.02486	0.59199	-0.11262	0.0149	0.065159	0.15978	0.074855	0.10619	0.059899
0.132257	0.0042	0.094108	0.04208	0.056846	0.22014	0.148274	0.00131	0.07532
0.410092	2.28E-20	0.391286	1.55E-18	0.025392	0.58415	-0.03548	0.44427	0.044822
0.02098	0.65112	-0.25294	2.99E-08	-0.0204	0.66012	-0.0752	0.10458	-0.1187
0.003678	0.93682	-0.13366	0.00381	-0.0029	0.95019	0.00039	0.9933	0.021577
-0.0723	0.11869	0.23576	2.55E-07	0.079152	0.08753	0.182921	7.01E-05	0.195729
0.119901	0.0095	-0.00049	0.99156	0.058434	0.2075	-0.02697	0.56105	0.071843

0.040814	0.37886	0.042098	0.36404	0.007721	0.86783	0.033844	0.46562	-0.00785
-0.04212	0.36373	0.145031	0.00168	-0.08841	0.05624	-0.11219	0.01529	-0.15231
0.236622	2.30E-07	0.071981	0.12034	-0.10809	0.01947	-0.16821	0.00026	-0.20989
0.234972	2.80E-07	0.212601	3.57E-06	0.001291	0.9778	0.050097	0.27997	-0.08785
-0.14939	0.0012	-0.3308	2.18E-13	-0.07642	0.09907	-0.0992	0.0321	-0.18638
0.17908	9.98E-05	0.007588	0.87009	0.0047	0.91931	-0.03312	0.47527	0.040246
-0.14217	0.00207	-0.21986	1.61E-06	-0.03282	0.47922	-0.04758	0.30491	-0.19221
0.114324	0.01343	0.295938	6.81E-11	0.011586	0.80282	-0.00371	0.93625	0.111285
0.023998	0.60496	-0.1136	0.01404	-0.02064	0.65636	-0.11251	0.01499	0.015555
-0.0437	0.34603	-0.27691	1.15E-09	-0.05577	0.22899	0.000891	0.98468	-0.19261
0.112712	0.01481	0.107763	0.01984	0.002962	0.9491	0.042173	0.36317	-0.07544
-0.0966	0.0369	0.008907	0.84776	-0.00224	0.96158	-0.00534	0.90841	-0.02639
0.038985	0.40061	0.247947	5.67E-08	0.063672	0.16954	0.158549	0.00058	0.239974
-0.10426	0.02425	-0.14535	0.00164	0.051104	0.27041	0.116603	0.01168	-0.02904
0.012352	0.79007	-0.08348	0.0715	0.060604	0.19109	0.106467	0.02138	0.070491
0.016818	0.71699	-0.01658	0.72084	0.091943	0.04706	0.181563	7.95E-05	0.231134
0.21745	2.10E-06	0.268595	3.69E-09	0.060692	0.19045	0.079398	0.08654	0.193857
0.343293	2.31E-14	0.417155	4.35E-21	-0.02475	0.5937	-0.12408	0.00726	0.033717
-0.083	0.07313	-0.22149	1.34E-06	-0.03947	0.39477	-0.04335	0.34992	-0.06244
0.0806	0.08187	0.153895	0.00085	0.005787	0.90074	-0.0494	0.28672	0.014205
-0.1882	4.26E-05	-0.22031	1.53E-06	0.051546	0.26627	0.146391	0.00151	-0.12297
0.025032	0.58949	0.093325	0.04382	-0.06149	0.18471	-0.03646	0.43189	-0.03508
0.117487	0.01106	-0.00495	0.91501	0.029164	0.52956	0.035388	0.4455	0.063774
-0.04433	0.33909	-0.1934	2.58E-05	0.00936	0.84013	-0.01317	0.7765	0.065915
0.106441	0.02142	0.142149	0.00207	0.034526	0.45668	-0.07943	0.08641	0.085599
-0.10033	0.03018	-0.44164	1.03E-23	0.009571	0.83657	-0.06017	0.1943	0.007904
0.013566	0.76998	-0.27362	1.83E-09	0.04612	0.31997	-0.00852	0.85432	-0.04703
0.140407	0.00236	0.071454	0.12308	0.021899	0.63691	-0.00906	0.84518	0.02088
0.242777	1.08E-07	0.01395	0.76367	0.019443	0.67515	-0.05913	0.20212	0.182362
0.063124	0.17325	-0.01239	0.78942	-0.00302	0.94811	-0.02625	0.57153	0.005649
0.183504	6.64E-05	0.194473	2.32E-05	0.041146	0.37499	0.096927	0.03627	0.229702
0.174607	0.00015	0.259682	1.24E-08	-0.03068	0.50831	-0.08447	0.0682	-0.09287
0.22824	6.19E-07	0.169822	0.00023	0.0161	0.72859	-0.00808	0.86172	-0.01931
0.063972	0.16754	-0.00132	0.97726	-0.01542	0.73965	-0.05194	0.26264	-0.09518
-0.12125	0.00872	-0.23657	2.31E-07	0.017703	0.70279	0.006012	0.89691	0.036696
-0.05265	0.25618	0.010825	0.81553	-0.02017	0.66378	0.065044	0.16052	0.055773
-0.01278	0.78303	-0.03074	0.50749	-0.02551	0.58239	-0.05398	0.24434	-0.06911
0.377998	2.61E-17	0.501753	3.80E-31	0.019463	0.67485	0.033351	0.47214	0.0912
0.227259	6.94E-07	0.273216	1.94E-09	0.079592	0.08578	0.131403	0.00445	0.143238
0.045573	0.32575	0.117615	0.01097	0.038544	0.40596	0.13723	0.00296	0.058554
-0.05292	0.25373	-0.06977	0.13221	0.047698	0.30367	0.124147	0.00723	0.019523
0.00143	0.97541	0.009937	0.83041	-0.01865	0.68769	-0.05073	0.27393	-0.11368
-0.06401	0.16728	-0.26511	5.95E-09	-0.01727	0.70965	-0.04101	0.37662	-0.1158
-0.01244	0.78855	-0.05677	0.22073	0.040114	0.38709	0.117565	0.011	0.00923
0.164298	0.00036	0.293774	9.49E-11	0.034024	0.46325	0.085437	0.06508	0.19267

0.248211	5.49E-08	0.340314	3.99E-14	0.046556	0.31541	0.059011	0.20304	0.144537
0.055644	0.23007	0.101915	0.02765	0.072611	0.11711	0.192255	2.88E-05	0.101709
0.301778	2.74E-11	0.233402	3.38E-07	0.014387	0.75649	-0.02539	0.58423	-0.01635
-0.05144	0.26731	-0.25847	1.45E-08	0.001449	0.97508	0.073437	0.113	0.002943
-0.02101	0.65068	0.05755	0.21447	0.061878	0.18191	0.060747	0.19005	0.274623
0.195439	2.11E-05	0.112716	0.01481	0.022418	0.62894	0.050925	0.27209	-0.06406
0.126621	0.00614	0.01621	0.72679	-0.00209	0.96405	0.034171	0.46132	-0.16855
-0.13103	0.00457	-0.09319	0.04413	0.101792	0.02784	0.296605	6.14E-11	0.317688
0.272051	2.28E-09	-0.22193	1.27E-06	-0.01666	0.71956	-0.14707	0.00144	-0.0106
-0.04865	0.29413	-0.2963	6.44E-11	-0.03078	0.50701	-0.09287	0.04486	-0.10082
-0.13471	0.00354	-0.04423	0.3402	-0.04452	0.33711	0.052559	0.25698	-0.15847
0.032105	0.48886	-0.07679	0.09744	-0.03993	0.38929	-0.03901	0.40025	-0.10839
0.077428	0.09467	-0.05693	0.2195	-0.0129	0.78101	-0.03975	0.39145	-0.07968
-0.04162	0.36947	-0.06413	0.16647	-0.00401	0.93116	-0.01667	0.7193	-0.05117
-0.15529	0.00076	-0.09865	0.03305	0.014222	0.7592	0.050759	0.27365	0.088499
0.203587	9.24E-06	0.140152	0.0024	0.019261	0.67802	-0.015	0.74654	0.035955
-0.1237	0.00745	0.106876	0.02089	0.068089	0.14178	0.282618	5.03E-10	0.272474
-0.01158	0.80283	0.118128	0.01062	0.039289	0.39694	0.088196	0.05684	0.069664
0.222951	1.14E-06	-0.05353	0.24825	0.02383	0.60748	-0.0039	0.93299	0.033594
0.187473	4.57E-05	0.0577	0.21327	-0.01215	0.79344	-0.06371	0.16932	0.030541
0.062383	0.17836	0.066989	0.14835	0.033119	0.47524	0.086842	0.06077	0.05557
0.138951	0.00262	0.294092	9.04E-11	0.000992	0.98294	-0.0526	0.25657	-0.02169
0.005061	0.91314	0.075677	0.10239	0.011362	0.80655	0.042288	0.36187	0.060526
-0.13842	0.00272	-0.19554	2.09E-05	-0.00296	0.9491	0.007605	0.86981	-0.005
-0.00618	0.89397	-0.1269	0.00603	-0.05034	0.27762	-0.10024	0.03032	-0.06548
0.029298	0.52767	-0.05599	0.22721	-0.00493	0.91546	-0.05415	0.24283	-0.06173
-0.08411	0.06939	-0.15499	0.00078	0.028373	0.54079	0.024483	0.59768	-0.05627
-0.00422	0.92753	-0.20047	1.27E-05	0.012562	0.78659	-0.01031	0.82418	0.041046
-0.10485	0.02346	-0.1179	0.01078	0.021312	0.64596	0.095873	0.03835	0.029892
0.05654	0.22264	-0.01364	0.76875	0.017264	0.70982	0.08542	0.06513	-0.14109
0.239087	1.71E-07	0.133572	0.00383	0.022872	0.622	0.003078	0.9471	-0.03235
0.237071	2.18E-07	0.271447	2.48E-09	0.017444	0.70692	0.189885	3.63E-05	-0.05699
0.092719	0.04522	0.150701	0.00109	0.002573	0.95577	-0.00881	0.84936	-0.0398
0.076526	0.09859	-0.00497	0.91462	-0.00045	0.99223	-0.05792	0.21154	-0.04045
0.192614	2.78E-05	0.493672	4.64E-30	0.020723	0.65511	-0.04766	0.30406	0.262404
-0.11011	0.01729	-0.1985	1.55E-05	0.04682	0.31267	0.075536	0.10304	-0.0851
0.192579	2.79E-05	0.06482	0.16196	0.042875	0.35524	0.07751	0.09432	0.087466
0.238811	1.76E-07	0.116505	0.01175	0.0183	0.69326	0.000639	0.98901	0.046068
-0.0828	0.07385	-0.19703	1.80E-05	-0.005	0.91422	-0.03911	0.39908	0.057475
0.004962	0.91483	-0.10496	0.0233	0.041057	0.37603	0.064896	0.16148	0.076326
-0.19653	1.89E-05	-0.12505	0.00682	-0.0254	0.58402	-0.13107	0.00455	0.040985
-0.00866	0.85197	-0.0961	0.0379	0.01488	0.74842	0.069437	0.13405	-0.04514
0.123391	0.00759	0.046515	0.31584	-0.00654	0.88789	0.000971	0.9833	-0.05323
0.022205	0.6322	-0.15646	0.00069	0.039752	0.3914	-0.03534	0.44609	0.101092
0.170006	0.00022	-0.03585	0.43953	0.010307	0.8242	0.024098	0.60345	0.047817

-0.11756	0.011	-0.08685	0.06075	-0.08221	0.07592	-0.11297	0.01459	-0.2739
-0.06554	0.15734	-0.25908	1.34E-08	0.036348	0.43325	0.105156	0.02305	0.052642
0.010376	0.82304	-0.09339	0.04368	-0.00342	0.94126	0.047082	0.30997	-0.0369
-0.23781	1.99E-07	-0.25277	3.06E-08	-0.06941	0.13417	-0.09679	0.03653	-0.06605
0.153644	0.00086	0.066484	0.15144	0.011461	0.8049	-0.12921	0.00517	-0.0631
0.154536	0.00081	0.089964	0.05203	0.041474	0.37119	0.066855	0.14916	0.042502
0.020723	0.65511	-0.00619	0.89386	0.021552	0.64225	0.01776	0.70187	0.102729
0.017369	0.70813	-0.14938	0.00121	-0.01986	0.66854	-0.08266	0.07433	-0.03449
-0.03314	0.47496	-0.28053	6.81E-10	-0.02305	0.61936	-0.04496	0.3323	-0.04462
-0.02876	0.53528	-0.00251	0.9568	0.155021	0.00078	0.230757	4.62E-07	0.374128
0.004251	0.92699	0.159133	0.00056	0.004798	0.91764	-0.0253	0.58545	-0.03377
0.114975	0.01291	0.146248	0.00153	0.020902	0.65232	0.15926	0.00055	0.092682
-0.06149	0.18467	-0.0993	0.03191	0.055571	0.23068	0.176089	0.00013	0.037035
0.082999	0.07315	-0.00934	0.8405	-0.01507	0.74528	-0.07956	0.08589	-0.01772
0.366785	2.56E-16	0.506505	8.45E-32	0.045852	0.32279	0.085849	0.06379	0.013977
-0.24428	9.00E-08	-0.39625	5.23E-19	-0.05926	0.20115	-0.05881	0.20458	-0.29169
-0.19685	1.83E-05	-0.28989	1.71E-10	-0.05617	0.22568	-0.01135	0.8068	-0.25522
0.162592	0.00042	0.428059	3.13E-22	0.017453	0.70678	0.063201	0.17273	0.09599
-0.07704	0.09636	-0.40203	1.44E-19	0.00644	0.8896	-0.03712	0.42357	0.061466
0.056194	0.22549	-0.12427	0.00717	-0.00557	0.90442	-0.08636	0.06222	-0.07823
0.16346	0.00039	0.043725	0.34577	-0.03306	0.476	-0.09028	0.05121	0.017763
-0.0449	0.33297	-0.23886	1.75E-07	-0.0263	0.5707	-0.09209	0.04671	-0.11871
0.040356	0.38424	-0.1592	0.00055	0.010526	0.82054	-0.01636	0.72442	0.000222
-0.0329	0.47817	-0.12813	0.00556	0.032453	0.48416	0.010237	0.82538	0.104911
0.104682	0.02368	0.300625	3.28E-11	0.047879	0.30184	0.072093	0.11976	0.033585
0.047337	0.30735	-0.02415	0.60263	-0.01328	0.77477	-0.05782	0.21232	0.025213
0.259515	1.26E-08	0.546848	8.94E-38	0.036444	0.43203	0.115021	0.01287	0.101627
0.094108	0.04208	0.306626	1.27E-11	0.034289	0.45977	0.113998	0.0137	0.095385
0.160544	0.0005	0.120027	0.00943	0.047994	0.30068	0.06068	0.19053	0.066433
0.14252	0.00202	0.370953	1.11E-16	0.031027	0.50359	0.009912	0.83083	0.089425
0.009861	0.83169	0.074313	0.10875	-0.01452	0.75439	-0.07768	0.09359	0.051598
-0.03681	0.42736	0.250805	3.94E-08	-0.00972	0.83409	-0.0011	0.98103	0.351857
0.221748	1.30E-06	0.084751	0.06727	0.023544	0.61181	-0.05033	0.27775	0.01838
0.154524	0.00081	0.111448	0.01598	0.015339	0.74094	-0.00255	0.95625	0.055667
0.066531	0.15115	-0.09377	0.04282	0.000909	0.98437	-0.03626	0.43433	0.029449
-0.06877	0.13781	-0.02037	0.66064	-0.02861	0.53739	-0.07189	0.12081	-0.01033
-0.06187	0.18198	-0.03253	0.48317	0.0466	0.31495	0.064405	0.16468	-0.00956
0.009336	0.84053	-0.03686	0.42679	-0.07913	0.08762	-0.13843	0.00272	-0.08158
0.177943	0.00011	0.156922	0.00067	0.058481	0.20714	0.116908	0.01146	0.192821
0.249348	4.75E-08	0.492745	6.16E-30	0.085562	0.06468	0.121321	0.00868	0.238787
0.016073	0.72902	0.223226	1.10E-06	0.107914	0.01967	0.209156	5.16E-06	0.260667
0.118133	0.01062	0.284833	3.63E-10	0.04697	0.31112	0.07035	0.129	0.076708
0.371995	8.97E-17	0.189667	3.70E-05	-0.01162	0.80217	-0.05346	0.24892	-0.20492
0.187441	4.58E-05	0.009137	0.84389	0.009455	0.83852	-0.0134	0.77278	0.051475
-0.03593	0.43857	-0.21725	2.15E-06	-0.01172	0.80064	-0.06926	0.13502	-0.01218

0.1607	0.00049	0.185558	5.48E-05	0.036772	0.4279	0.049503	0.28572	-0.06122
-0.12535	0.00668	-0.22121	1.38E-06	0.036265	0.4343	0.058166	0.20959	0.136642
0.219856	1.61E-06	0.364609	3.95E-16	0.079132	0.08761	0.201572	1.14E-05	0.178352
0.160914	0.00048	0.161118	0.00047	0.063545	0.1704	0.102027	0.02748	0.134407
0.273485	1.86E-09	0.187858	4.40E-05	0.041079	0.37577	0.052166	0.26056	0.140815
-0.02302	0.61969	0.114882	0.01298	0.044797	0.33406	0.086405	0.06208	0.072093
-0.04682	0.31268	0.098509	0.03331	-0.05146	0.26706	-0.0442	0.34052	0.026758
-0.10905	0.01841	-0.02151	0.64298	0.047193	0.30883	0.020711	0.6553	0.098847
0.021576	0.64188	0.017716	0.70257	-0.04739	0.30681	-0.04141	0.37194	0.101338
0.026298	0.5708	-0.10705	0.02067	-0.02561	0.58091	-0.04433	0.33913	-0.04992
-0.07737	0.09494	-0.09808	0.03409	-0.0187	0.68684	-0.01904	0.6815	-0.13559
0.1891	3.91E-05	0.122464	0.00806	0.008826	0.84913	-0.00707	0.87882	0.116393
-0.22223	1.23E-06	-0.14819	0.00132	0.076116	0.10041	0.145501	0.00162	0.140528
-0.20854	5.50E-06	-0.07913	0.08763	-0.04595	0.3218	0.012272	0.79139	-0.01222
-0.22943	5.39E-07	-0.20213	1.07E-05	0.007665	0.86878	0.024154	0.60261	0.044138
0.317349	2.19E-12	0.351346	5.15E-15	0.023726	0.60906	-0.02175	0.63916	0.09091
0.135352	0.00338	-0.02078	0.65425	-0.02971	0.52193	-0.05168	0.26503	0.028309
0.007253	0.87578	0.21558	2.58E-06	0.046876	0.31209	0.119458	0.00977	0.152081
0.000563	0.99032	-0.07694	0.09676	-0.02814	0.54414	0.015821	0.7331	-0.00318
0.033585	0.46905	0.006582	0.8872	0.067379	0.146	0.106885	0.02088	0.160245
-0.09073	0.05006	-0.23493	2.82E-07	0.085862	0.06375	0.130917	0.0046	0.175648
0.020445	0.65945	0.049924	0.28164	0.069165	0.13558	0.127393	0.00584	0.127026
0.015344	0.74086	0.030683	0.50833	0.021709	0.63983	0.053285	0.25046	0.044057
0.273402	1.89E-09	0.49008	1.38E-29	-0.03213	0.48847	-0.08459	0.06779	0.012445
0.34272	2.57E-14	0.506257	9.15E-32	0.008805	0.84948	0.051515	0.26657	-0.0303
0.082412	0.07521	-0.1375	0.00291	-0.03144	0.49794	0.0037	0.93643	-0.14095
-0.07851	0.09012	-0.1926	2.79E-05	-0.01804	0.69732	-0.04687	0.31211	-0.08052
0.113287	0.01431	0.134734	0.00353	-0.05629	0.22467	-0.08276	0.07397	0.020345
0.209918	4.76E-06	0.176472	0.00013	-0.00651	0.88846	-0.01342	0.77237	0.083284
0.008174	0.86016	0.046642	0.31452	-0.0059	0.89874	-0.0139	0.76451	-0.0757
0.150511	0.0011	0.122313	0.00814	0.019954	0.66713	0.06312	0.17328	0.103006
0.119951	0.00947	0.213497	3.24E-06	-0.01237	0.78971	-0.03856	0.40578	0.078034
0.017548	0.70526	0.055999	0.2271	0.023454	0.61316	0.021091	0.6494	0.084167
0.336635	7.75E-14	0.041398	0.37207	-0.00393	0.93242	-0.07947	0.08627	-0.12511
0.039399	0.39562	0.115879	0.01221	0.039749	0.39143	0.070587	0.12771	0.225143
0.094871	0.04043	-0.0507	0.27422	-0.01584	0.73278	-0.05711	0.21803	-0.05051
0.327244	4.06E-13	0.242842	1.08E-07	-0.0181	0.6964	0.003681	0.93677	-0.09243
0.162978	0.00041	0.10535	0.02279	0.018834	0.68478	0.170181	0.00022	-0.07327
0.429949	1.96E-22	0.463678	2.86E-26	0.032272	0.48661	0.063243	0.17244	0.115924
0.227509	6.74E-07	0.326438	4.67E-13	0.058894	0.20394	0.026172	0.57264	0.130029
0.137018	0.00301	0.03854	0.40601	-0.01252	0.78732	0.00888	0.84823	0.024988
-0.11755	0.01101	-0.17005	0.00022	0.065183	0.15962	0.078454	0.09037	0.204124
0.056372	0.22402	0.010901	0.81425	-0.02251	0.62753	-0.04437	0.33866	0.027241
0.016216	0.7267	-0.05542	0.23196	0.057313	0.21637	0.118346	0.01048	0.097986
-0.08111	0.07995	0.00708	0.87872	0.080531	0.08213	0.211103	4.19E-06	0.267058



0.158114	0.00061	-0.01758	0.70475	-0.08129	0.07929	-0.11424	0.01351	-0.15701
0.079133	0.0876	0.109182	0.01827	0.068123	0.14158	0.167115	0.00029	0.188684
0.064289	0.16544	0.020242	0.66262	0.042273	0.36204	0.075678	0.10239	-0.01269
-0.09313	0.04426	0.176102	0.00013	0.043223	0.35135	0.151108	0.00105	0.108182
0.055393	0.23218	0.384522	6.64E-18	0.038472	0.40684	0.093189	0.04413	0.186908
-0.0501	0.27992	-0.19247	2.82E-05	0.0535	0.24855	0.050878	0.27254	0.071408
0.107476	0.02017	-0.01589	0.73195	0.01962	0.67237	0.010415	0.82238	0.097405
-0.04478	0.33428	-0.14202	0.0021	-0.01288	0.78135	-0.0174	0.70756	-0.04453
0.120967	0.00888	0.159114	0.00056	0.032859	0.47871	0.142128	0.00208	-0.01032
0.247562	5.96E-08	0.473676	1.71E-27	0.026271	0.57119	0.022713	0.62443	0.056646
-0.08827	0.05664	-0.19103	3.25E-05	0.066648	0.15043	0.127044	0.00597	0.104952
-0.01659	0.72068	-0.0976	0.03498	0.007254	0.87577	0.056662	0.22164	-0.05325
0.281016	6.35E-10	-0.05118	0.26967	0.006524	0.88819	-0.03033	0.51328	0.063969
0.106717	0.02108	0.349982	6.67E-15	0.013223	0.77564	-0.02376	0.60856	0.134467
0.060167	0.19432	0.139356	0.00254	0.048069	0.29992	0.039172	0.39835	0.19977
0.217637	2.06E-06	0.237024	2.19E-07	0.001828	0.96858	0.074979	0.10561	0.120814
-0.14307	0.00194	-0.10565	0.0224	0.01622	0.72664	0.056109	0.22619	0.044893
0.028774	0.53508	0.037161	0.42303	0.078133	0.09169	0.129893	0.00493	0.154288
0.107974	0.0196	-0.0184	0.69172	0.040247	0.38552	0.040779	0.37927	0.060772
-0.10902	0.01844	-0.3534	3.49E-15	0.016691	0.71903	-0.06061	0.19106	0.104005
0.340262	4.03E-14	0.193158	2.64E-05	-0.03418	0.46125	0.024157	0.60256	-0.08172
0.126022	0.00639	-0.03133	0.49937	-0.00303	0.94802	-0.06228	0.17911	0.047741
-0.07264	0.11695	-0.29553	7.24E-11	0.013543	0.77036	-0.00175	0.96994	-0.03816
-0.06802	0.14221	0.01682	0.71696	0.040076	0.38754	0.070027	0.13076	0.162989
-0.07268	0.11675	-0.14001	0.00243	-0.01177	0.79976	-0.01395	0.76366	-0.13727
-0.01874	0.68622	0.101601	0.02813	-0.02572	0.57933	-0.06624	0.15292	0.042162
-0.01486	0.7487	-0.10199	0.02753	0.035429	0.44497	0.104825	0.02348	0.054285
0.133343	0.00389	-0.0286	0.53759	0.025569	0.58152	-0.01152	0.80388	0.03017
-0.24359	9.80E-08	-0.30717	1.16E-11	-0.02692	0.56175	-0.04787	0.30192	-0.00884
0.015328	0.74111	0.026719	0.56464	0.036363	0.43306	0.121967	0.00833	0.153267
0.16959	0.00023	0.09304	0.04448	-0.00497	0.91475	1.58E-05	0.99973	0.069915
0.058191	0.20941	0.03161	0.49559	0.066545	0.15106	0.151176	0.00105	0.089911
0.095704	0.0387	-0.12683	0.00606	-0.01895	0.68301	-0.07969	0.08539	-0.08118
0.053878	0.24522	0.072077	0.11984	-0.00242	0.95845	-0.00064	0.98899	0.021603
-0.07721	0.09562	-0.17768	0.00011	0.009981	0.82967	0.004172	0.92835	-0.07211
-0.01258	0.78621	0.014059	0.76188	0.087152	0.05985	0.116589	0.01169	0.355203
-0.16233	0.00043	-0.13806	0.00279	0.004832	0.91705	0.018065	0.69701	-0.01093
0.02967	0.52243	-0.02619	0.57232	0.012699	0.78431	0.036122	0.43612	0.028909
0.029098	0.53049	-0.04283	0.35578	0.011409	0.80576	0.044707	0.33504	0.076377
-0.17894	0.0001	0.020381	0.66044	0.028876	0.53363	0.090636	0.05029	0.168833
0.138151	0.00277	0.409015	2.92E-20	0.017946	0.6989	0.083002	0.07314	0.185196
0.120821	0.00896	-0.00657	0.88742	0.024542	0.59679	-0.01218	0.79292	0.080309
0.184813	5.87E-05	0.262218	8.80E-09	-0.00668	0.88546	0.119535	0.00972	-0.08453
-0.05812	0.20999	-0.2148	2.81E-06	0.038506	0.40642	0.064094	0.16673	0.067146
0.206298	6.97E-06	0.115006	0.01289	-0.01576	0.73417	-0.06756	0.14491	-0.11161

-0.03842	0.40753	-0.1311	0.00454	0.015767	0.73398	0.012486	0.78784	0.004708
-0.1387	0.00267	-0.33972	4.44E-14	-0.03206	0.48946	-0.0326	0.48213	0.013556
0.305942	1.41E-11	0.337054	7.19E-14	-0.0132	0.776	0.009822	0.83234	-0.02781
0.028862	0.53383	-0.13873	0.00266	0.012188	0.7928	0.005098	0.91251	-0.00569
-0.15586	0.00073	-0.32264	8.95E-13	0.004679	0.91968	0.06735	0.14617	-0.00992
0.205474	7.60E-06	0.289771	1.74E-10	-0.04024	0.38561	-0.12821	0.00553	-0.08749
0.152217	0.00097	0.281003	6.36E-10	0.078604	0.08975	0.112617	0.0149	0.207044
0.131337	0.00447	0.027667	0.5509	0.024148	0.60269	-0.01373	0.76728	0.07549
0.093684	0.04302	-0.05762	0.21394	-0.01664	0.71982	-0.09117	0.04894	-0.08587
0.207628	6.06E-06	0.133729	0.00379	-0.01314	0.77696	-0.09251	0.04571	0.093795
-0.08323	0.07233	0.100432	0.03	-0.03239	0.48506	0.040762	0.37947	-0.04571
-0.09326	0.04396	-0.13083	0.00463	0.063194	0.17278	0.205975	7.21E-06	0.057232
-0.02191	0.63668	0.280582	6.76E-10	0.041431	0.37169	0.228643	5.91E-07	0.132638
-0.12057	0.0091	-0.39676	4.67E-19	-0.0622	0.17967	-0.12289	0.00784	-0.22689
0.142396	0.00204	0.192387	2.85E-05	0.001235	0.97876	0.143961	0.00181	0.064336
0.276137	1.28E-09	0.152899	0.00092	0.044859	0.33339	0.05664	0.22182	0.161273
-0.13346	0.00386	0.04598	0.32145	0.011916	0.79731	0.021735	0.63943	0.119134
0.096774	0.03656	0.054225	0.24219	0.040189	0.38621	0.051739	0.26449	0.154564
0.111037	0.01637	0.026374	0.56969	-0.006	0.89704	-0.04518	0.32991	-0.1175
-0.01358	0.76981	-0.11094	0.01647	0.024245	0.60124	0.039214	0.39784	-0.05277
0.031697	0.4944	-0.01703	0.71361	-0.04718	0.30894	-0.07339	0.11322	-0.09527
0.041104	0.37548	0.135222	0.00341	0.013845	0.76539	0.084746	0.06729	0.102883
0.262129	8.91E-09	0.467537	9.75E-27	0.027728	0.55003	0.078501	0.09017	0.110514
0.064463	0.16429	-0.09708	0.03596	0.006945	0.88102	0.044211	0.34043	-0.02902
0.011239	0.8086	-0.12062	0.00908	0.029383	0.52647	0.051522	0.26651	0.008464
0.08591	0.0636	0.031608	0.49562	0.097475	0.03522	0.16823	0.00026	0.368026
-0.0481	0.29961	0.060662	0.19066	-0.00866	0.85188	0.052288	0.25945	-0.01785
0.160369	0.0005	0.019482	0.67454	-0.02634	0.57024	-0.04122	0.37408	-0.05105
0.102268	0.02711	0.060093	0.19487	0.043232	0.35124	0.050175	0.27923	0.099527
0.464904	2.03E-26	0.0768	0.09738	0.010888	0.81447	-0.09914	0.03219	0.044512
-0.2646	6.38E-09	-0.3211	1.16E-12	0.057221	0.21711	0.075059	0.10524	0.125137
0.270008	3.03E-09	0.285349	3.36E-10	0.018166	0.69538	-0.00054	0.99068	0.079953
0.332039	1.76E-13	0.216882	2.24E-06	0.014861	0.74873	-0.02253	0.62725	0.077669
-0.02767	0.55085	-0.06484	0.16183	0.015738	0.73445	0.030369	0.51267	0.04781
-0.01735	0.70842	-0.14891	0.00125	-0.05802	0.21077	-0.16943	0.00023	-0.1751
0.032598	0.48221	0.110625	0.01678	0.07006	0.13058	0.106993	0.02075	0.098927
0.023042	0.61942	-0.15717	0.00065	-0.01087	0.8147	-0.01655	0.72131	0.031918
-0.02966	0.52252	-0.16448	0.00036	0.007979	0.86346	0.013266	0.77493	-0.00082
0.014539	0.754	-0.08548	0.06495	0.022671	0.62507	0.039661	0.39249	0.000895
0.072146	0.11949	0.179658	9.47E-05	-0.03173	0.49393	-0.02101	0.6507	0.002912
-0.01258	0.78633	0.187566	4.53E-05	0.072544	0.11745	0.151752	0.001	0.254056
-0.13593	0.00325	-0.09941	0.03173	-0.01291	0.78076	0.008454	0.85542	-0.07993
0.095192	0.03976	0.172094	0.00019	0.046145	0.31971	0.071642	0.1221	0.042504
0.177509	0.00012	0.347649	1.03E-14	0.048137	0.29924	0.118895	0.01012	0.11421
-0.05009	0.28	0.096811	0.03649	0.175446	0.00014	0.394754	7.27E-19	0.411834

-0.11436	0.01341	-0.20502	7.97E-06	-0.01382	0.76576	-0.0279	0.54751	-0.02718
0.087341	0.05929	0.136164	0.00319	0.010527	0.82052	0.045346	0.32816	-0.01156
-0.10184	0.02776	-0.01109	0.81105	0.035465	0.44451	0.076257	0.09978	0.057833
-0.05135	0.26808	-0.02957	0.52387	-0.03838	0.40801	-0.02602	0.57493	-0.05587
0.085748	0.0641	0.036171	0.4355	0.014275	0.75834	0.005461	0.9063	-0.02436
0.157194	0.00065	-0.06352	0.17059	-0.01939	0.67594	-0.12339	0.0076	0.004368
-0.16982	0.00023	-0.23102	4.48E-07	0.000167	0.99713	-0.02071	0.65526	0.011943
0.281647	5.79E-10	0.486342	4.24E-29	0.099709	0.03121	0.212446	3.63E-06	0.34537
0.231097	4.44E-07	0.294933	7.94E-11	0.115137	0.01278	0.175048	0.00014	0.426076
-0.0041	0.92956	-0.10203	0.02747	0.014849	0.74893	0.030709	0.50796	-0.11115
0.087539	0.05872	-0.02576	0.57866	0.004371	0.92494	-0.01018	0.8264	-0.02306
0.27768	1.03E-09	0.243238	1.02E-07	0.025696	0.57964	0.013507	0.77095	-0.05487
-0.19801	1.63E-05	-0.2845	3.81E-10	-0.01916	0.67954	0.02115	0.64847	-0.10377
0.26594	5.31E-09	0.136523	0.00311	-0.01048	0.82137	-0.03289	0.47829	0.035651
0.087394	0.05914	0.053449	0.24901	0.053946	0.24463	0.097043	0.03604	0.189261
0.03259	0.48233	0.088274	0.05662	0.032295	0.48629	0.05698	0.21905	-0.0207
0.135368	0.00338	0.076424	0.09904	-0.02889	0.53342	-0.05536	0.23249	0.027108
0.101865	0.02773	-0.04793	0.3013	0.006858	0.8825	-0.04289	0.35501	0.105339
0.317568	2.11E-12	0.319053	1.64E-12	-0.0019	0.9673	0.044011	0.34262	-0.02908
0.163105	0.0004	0.352536	4.11E-15	0.035747	0.4409	0.00336	0.94227	0.111788
0.106395	0.02147	-0.01984	0.66894	-0.04431	0.33931	-0.14334	0.0019	-0.09242
0.128978	0.00525	0.212826	3.48E-06	0.03106	0.50313	0.06204	0.18077	0.033155
0.002151	0.96302	-0.01944	0.67528	0.050929	0.27205	0.084015	0.06969	0.162978
0.033902	0.46486	-0.05781	0.21244	0.045836	0.32296	0.054618	0.23879	0.086709
0.099329	0.03187	-0.02093	0.65189	0.058398	0.20778	0.063976	0.16751	0.121888
0.320259	1.34E-12	0.364419	4.10E-16	0.017716	0.70257	-0.10744	0.02022	0.052915
0.116199	0.01198	0.239962	1.53E-07	0.065216	0.15941	0.180299	8.93E-05	0.208813
0.175461	0.00014	0.1018	0.02782	0.021391	0.64474	-0.00894	0.84722	0.142988
0.152458	0.00095	0.047868	0.30195	-0.0328	0.47955	-0.12628	0.00628	-0.03371
0.008181	0.86004	-0.12331	0.00764	-0.00655	0.88775	-0.05352	0.2484	0.1144
-0.04948	0.28594	-0.13334	0.00389	-0.0334	0.47153	-0.04872	0.29341	-0.05515
0.1972	1.77E-05	0.170884	0.00021	0.020267	0.66222	-0.02876	0.5353	0.13193
-0.02355	0.61167	-0.10311	0.02587	-0.04334	0.35005	-0.09119	0.04891	-0.16444
-0.09764	0.03491	-0.1389	0.00263	0.104667	0.0237	0.177715	0.00011	0.098938
-0.05932	0.20069	0.093237	0.04402	0.061074	0.18767	0.189359	3.81E-05	0.01088
0.036458	0.43185	0.108477	0.01903	-0.03227	0.48657	-0.04775	0.3031	-0.13293
-0.06032	0.1932	-0.20437	8.52E-06	-0.01173	0.8004	-0.04423	0.34021	-0.12312
0.09407	0.04216	0.101677	0.02801	9.25E-05	0.99841	-0.03173	0.494	-0.10517
0.08691	0.06057	-0.06245	0.17793	0.004219	0.92755	-0.03339	0.47168	0.000234
0.070134	0.13018	0.0688	0.13766	0.046505	0.31594	0.118772	0.0102	0.111493
0.05498	0.23568	-0.11039	0.01702	-0.01046	0.82158	-0.10213	0.02731	-0.00728
0.108687	0.0188	0.078457	0.09035	0.017043	0.71337	-0.09199	0.04695	0.028605
-0.20303	9.78E-06	-0.32629	4.79E-13	-0.04427	0.33976	-0.06926	0.13506	-0.14212
-0.05493	0.23613	-0.24244	1.13E-07	-0.0083	0.85803	-0.04304	0.35338	-0.06767
0.080883	0.0808	-0.07704	0.09633	0.012106	0.79415	-0.01517	0.74366	0.063248

-0.02259	0.62624	-0.26965	3.19E-09	-0.00095	0.98369	-0.03403	0.4632	-0.03622
-0.07032	0.12918	0.0295	0.52482	0.040475	0.38283	0.056689	0.22142	0.1042
0.150142	0.00114	0.136887	0.00303	0.039563	0.39365	0.042612	0.3582	0.081212
0.161437	0.00046	0.182552	7.25E-05	0.015824	0.73306	0.024185	0.60215	-0.05545
0.029961	0.51836	-0.02107	0.64972	0.035072	0.44958	-0.01889	0.68391	0.036206
-0.02777	0.54949	-0.21737	2.12E-06	-0.03652	0.43102	-0.08886	0.055	-0.03774
0.119478	0.00976	0.295078	7.77E-11	0.029662	0.52255	0.077829	0.09297	0.14655
0.034782	0.45334	-0.10569	0.02235	0.026471	0.56826	0.087421	0.05906	0.110532
0.176393	0.00013	0.239757	1.57E-07	0.018383	0.69193	0.022697	0.62468	-0.07388
-0.10386	0.0248	0.039364	0.39604	-0.07627	0.09973	-0.05222	0.26004	-0.04185
-0.19461	2.29E-05	-0.29746	5.38E-11	-0.0269	0.56197	-0.04266	0.35764	-0.15876
0.07587	0.10152	-0.14579	0.00158	0.035533	0.44364	-0.03785	0.41442	0.136566
0.182059	7.59E-05	-0.17972	9.41E-05	-0.02384	0.60738	-0.06352	0.17056	0.036787
0.293535	9.84E-11	0.258582	1.43E-08	0.069822	0.1319	0.085834	0.06383	0.191221
-0.03336	0.47201	-0.17657	0.00013	0.072738	0.11648	0.011279	0.80792	0.183289
0.062418	0.17812	-0.01388	0.76482	-0.00981	0.83254	-0.06472	0.16263	-0.00824
-0.0554	0.23209	-0.05026	0.27841	0.01091	0.81409	0.02984	0.52005	0.011813
0.389498	2.29E-18	0.234813	2.86E-07	-0.04083	0.37864	-0.0438	0.34499	0.042492
-0.07671	0.09778	-0.18396	6.37E-05	0.005038	0.91354	-0.04149	0.37102	0.090507
0.152553	0.00094	0.220746	1.46E-06	0.005583	0.90423	-0.06853	0.13923	0.017444
0.114242	0.0135	0.174939	0.00014	0.07304	0.11496	0.0959	0.0383	0.140969
0.064462	0.1643	-0.0791	0.08773	0.032299	0.48625	0.068939	0.13686	0.00544
0.191151	3.21E-05	0.192448	2.83E-05	0.019951	0.66718	-0.05357	0.24794	0.353576
0.064865	0.16167	0.168185	0.00026	0.042673	0.35751	0.070944	0.12579	0.087979
0.13089	0.00461	0.092281	0.04625	-0.00212	0.96364	0.05462	0.23877	0.146835
0.047199	0.30877	-0.00877	0.85005	0.03155	0.49641	0.057271	0.21671	0.096434
-0.01391	0.76436	-0.05667	0.22155	0.033337	0.47234	0.064881	0.16157	0.193435
0.030654	0.50873	-0.00223	0.96173	-0.00774	0.86756	-0.00818	0.86013	-0.1515
-0.04721	0.30868	-0.22881	5.80E-07	0.008849	0.84875	0.020354	0.66087	0.046112
0.180915	8.44E-05	0.325894	5.13E-13	-0.02514	0.58791	-0.04191	0.36624	0.015141
-0.12953	0.00506	0.027854	0.54822	-0.00633	0.89153	0.050128	0.27967	0.061711
0.042765	0.35647	-0.17763	0.00011	0.016035	0.72964	-0.0279	0.54751	0.059552
0.02218	0.63259	-0.20955	4.95E-06	0.010819	0.81561	-0.01825	0.69406	-0.04172
0.210464	4.49E-06	-0.10206	0.02743	-0.02474	0.59376	-0.1524	0.00095	-0.03149
0.2025	1.03E-05	0.011919	0.79726	-0.01357	0.76989	-0.05759	0.21413	-0.01326
0.358905	1.21E-15	0.283278	4.56E-10	0.011133	0.81037	-0.02107	0.64979	0.045595
0.086107	0.06299	-0.31818	1.90E-12	0.00673	0.88468	-0.01743	0.70708	0.057165
0.108484	0.01903	-0.03584	0.4397	-0.04377	0.34525	-0.09514	0.03987	-0.01091
-0.00282	0.95156	-0.26901	3.48E-09	0.016416	0.72347	-0.06732	0.14633	-0.07602
0.093661	0.04307	0.036912	0.42614	-0.08003	0.08407	-0.16278	0.00041	-0.08409
0.004808	0.91747	-0.21673	2.28E-06	-0.02505	0.58916	-0.05055	0.27563	-0.12121
0.005074	0.91291	0.131508	0.00442	0.117223	0.01124	0.076879	0.09704	0.196745
-0.01942	0.67556	-0.1369	0.00303	-0.04104	0.3762	-0.06891	0.13705	-0.14421
-0.07784	0.09293	0.128017	0.0056	0.069336	0.13461	0.160198	0.00051	0.13023
-0.17246	0.00018	-0.0629	0.17479	0.030705	0.50803	0.054485	0.23994	0.082764

0.118824	0.01017	0.186812	4.86E-05	0.098971	0.03249	0.179138	9.93E-05	0.318565
0.035203	0.44789	0.079285	0.08699	-0.03426	0.46018	-0.02239	0.62937	-0.01406
0.068602	0.1388	-0.168	0.00027	-0.02155	0.64223	-0.00668	0.88549	-0.01338
0.100938	0.02918	-0.31075	6.50E-12	-0.01948	0.67453	-0.06398	0.16746	0.063504
0.020436	0.65958	-0.27973	7.65E-10	-0.00502	0.91386	-0.07013	0.13018	-0.06248
0.130109	0.00486	0.306576	1.28E-11	0.036228	0.43478	-0.01665	0.71973	0.010412
0.257668	1.61E-08	0.24902	4.95E-08	0.064777	0.16224	0.120014	0.00943	0.299561
0.320966	1.19E-12	0.079535	0.086	0.032849	0.47885	-0.02312	0.61822	0.132359
-0.30084	3.17E-11	-0.28787	2.31E-10	-0.02203	0.63485	0.044104	0.3416	-0.11148
0.068945	0.13683	0.106724	0.02107	0.008184	0.85999	-0.01395	0.76366	0.010774
0.085186	0.06587	0.040154	0.38662	0.028502	0.53894	0.052351	0.25887	0.026024
-0.08366	0.07088	-0.13284	0.00403	-0.0096	0.83614	-0.00255	0.95615	-0.03487
0.197398	1.73E-05	0.130234	0.00482	-0.00253	0.95657	-0.07931	0.08689	0.038179
0.192051	2.94E-05	-0.01352	0.77073	-0.02644	0.56873	-0.13526	0.0034	-0.02031
0.036588	0.43021	0.144541	0.00174	-0.03452	0.45672	0.004659	0.92002	-0.26624
0.151764	0.001	-0.05609	0.22635	-0.02573	0.57921	-0.02858	0.53785	-0.01951
0.274417	1.63E-09	0.064108	0.16664	-0.03371	0.46745	-0.04815	0.29915	-0.20549
0.233761	3.24E-07	0.16437	0.00036	0.061125	0.1873	0.064521	0.16391	0.080213
-0.23246	3.78E-07	-0.1901	3.55E-05	-0.04965	0.28432	-0.11102	0.01639	-0.08838
0.26593	5.32E-09	0.016794	0.71737	-0.00259	0.9554	-0.07813	0.0917	-0.04594
0.187358	4.62E-05	0.013831	0.76563	0.008699	0.85128	-0.04586	0.32276	0.028461
-0.21318	3.35E-06	-0.27023	2.94E-09	-0.00069	0.98806	-0.04679	0.31294	-0.05111
0.310095	7.24E-12	0.021083	0.64952	-0.00984	0.83203	0.00033	0.99433	0.022556
0.018763	0.68591	-0.22237	1.21E-06	0.048097	0.29964	-0.04255	0.35885	-0.00239
0.170542	0.00021	-0.07232	0.11858	0.011911	0.7974	-0.08902	0.05456	-0.04263
0.074777	0.10655	-0.0498	0.2828	0.01703	0.71358	-0.02944	0.52568	-0.07145
0.020621	0.65669	0.031112	0.50242	0.008729	0.85077	-0.02063	0.65655	0.152271
0.108756	0.01873	-0.08026	0.08317	-0.00961	0.83596	-0.10582	0.02219	0.009136
0.35995	9.87E-16	-0.07544	0.10348	-0.04636	0.31744	-0.10711	0.02061	-0.02674
0.176326	0.00013	-0.09216	0.04654	0.035758	0.44076	0.019379	0.67617	0.064965
-0.0928	0.04502	-0.01301	0.77914	-0.03756	0.41801	-0.02856	0.53814	-0.09168
0.190476	3.43E-05	0.050675	0.27445	-0.06806	0.14195	-0.12917	0.00518	-0.02386
0.471213	3.46E-27	0.408568	3.24E-20	-0.0003	0.9949	0.016802	0.71725	0.001519
0.143565	0.00187	0.058685	0.20555	0.038485	0.40668	0.056241	0.2251	0.09967
0.148175	0.00132	0.016768	0.7178	-0.02142	0.64437	-0.00389	0.93317	0.052895
0.064513	0.16397	-0.05242	0.25827	-0.02942	0.52593	-0.10922	0.01822	0.026664
0.053192	0.25129	-0.2809	6.45E-10	-0.05811	0.21001	-0.15591	0.00072	-0.26315
0.093059	0.04443	0.004931	0.91536	-0.01041	0.82246	-0.0063	0.89199	-0.02037
0.126181	0.00633	-0.10708	0.02064	0.000175	0.99699	-0.06159	0.18393	-0.12819
-0.1166	0.01168	-0.23049	4.77E-07	-0.02401	0.60484	-0.11023	0.01717	-0.09168
0.039405	0.39555	0.028074	0.54506	0.031616	0.49552	0.067695	0.14411	0.018621
0.309369	8.14E-12	-0.0496	0.28481	-0.01415	0.7604	-0.10064	0.02966	-0.03145
0.111683	0.01575	0.068015	0.14222	0.038351	0.40832	0.024296	0.60048	0.048285
-0.06125	0.18638	0.121259	0.00871	-0.01557	0.73719	0.018167	0.69538	-0.02775
-0.06071	0.19034	-0.13503	0.00346	0.03934	0.39633	0.059795	0.1971	0.191055

0.079032	0.08801	-0.0192	0.67893	0.059118	0.20222	0.034768	0.45353	0.092119
0.346306	1.33E-14	-0.04354	0.34786	-0.01894	0.68311	-0.06935	0.13454	0.044801
0.113769	0.0139	-0.03968	0.39223	0.01442	0.75595	-0.04663	0.31464	-0.0464
0.103749	0.02496	-0.09794	0.03434	-0.02438	0.59925	-0.0505	0.27614	-0.00262
0.031209	0.50108	-0.05334	0.24997	-0.04288	0.35523	-0.04919	0.28877	-0.03549
0.216705	2.28E-06	0.040176	0.38636	-0.00104	0.9822	-0.03151	0.49695	-0.02557
0.248955	4.99E-08	0.215936	2.48E-06	0.038418	0.4075	0.058002	0.21089	0.068084
0.250558	4.07E-08	0.042634	0.35795	0.05827	0.20879	0.070587	0.12771	-0.12118
-0.08429	0.06878	-0.10682	0.02096	-0.02879	0.5349	-0.09275	0.04516	-0.06872
-0.10989	0.01752	-0.25892	1.37E-08	-0.04261	0.35822	-0.05428	0.24168	-0.10948
0.20165	1.13E-05	0.174867	0.00015	0.019202	0.67896	0.089678	0.05279	0.157937
0.074952	0.10573	-0.03569	0.44168	-0.02295	0.62083	-0.06172	0.18301	-0.03497
-0.09729	0.03557	-0.31959	1.50E-12	-0.01356	0.77005	-0.09403	0.04225	-0.07401
0.062704	0.17614	-0.03866	0.40461	0.040577	0.38163	-0.01909	0.68069	0.040032
0.125704	0.00653	-0.0748	0.10643	0.003923	0.93263	-0.01303	0.77875	0.007298
0.160989	0.00048	0.151698	0.00101	0.031712	0.4942	0.078136	0.09168	0.093148
0.095787	0.03853	-0.00583	0.90004	0.021374	0.645	-0.03148	0.49741	0.01975
0.213958	3.08E-06	0.240445	1.44E-07	0.029049	0.53118	-0.00471	0.91918	0.132945
0.113192	0.01439	0.040094	0.38734	0.018886	0.68396	-0.00813	0.86098	0.016018
0.076565	0.09842	-0.03738	0.42027	-0.02091	0.65226	-0.09201	0.0469	0.065617
-0.00364	0.93749	-0.18454	6.03E-05	-0.03108	0.50282	-0.06731	0.14641	-0.06415
0.17266	0.00018	0.049221	0.28848	0.063651	0.16968	0.10481	0.0235	0.175335
0.336772	7.56E-14	-0.07506	0.10522	-0.05211	0.26109	-0.17622	0.00013	-0.08715
-0.17656	0.00013	-0.30073	3.23E-11	-0.05846	0.20731	-0.04855	0.29513	-0.04554
0.063184	0.17284	-0.01173	0.8004	0.036676	0.42911	0.065559	0.15723	-0.0287
-0.04943	0.28644	-0.11382	0.01385	-0.03755	0.41818	-0.06458	0.1635	-0.07939
0.150775	0.00108	0.240984	1.35E-07	-0.00738	0.87356	-0.06788	0.14299	0.058452
0.103606	0.02516	0.103014	0.02601	0.041258	0.37369	-0.00103	0.98221	0.038321
-0.19891	1.49E-05	-0.0767	0.09783	-0.02633	0.57035	0.091435	0.04829	-0.18154
0.171043	0.0002	0.22314	1.11E-06	0.019666	0.67166	0.055884	0.22806	0.076847
0.030091	0.51655	0.002083	0.9642	0.016765	0.71785	0.049832	0.28252	0.064081
0.070316	0.12918	0.317046	2.30E-12	0.035669	0.4419	0.163332	0.00039	-0.03242
0.091886	0.0472	0.114813	0.01304	0.057895	0.21173	0.144746	0.00171	0.040121
0.137778	0.00285	-0.12684	0.00605	0.011374	0.80634	-0.02327	0.61597	0.011618
0.04768	0.30385	-0.05072	0.27406	-0.05507	0.23488	-0.12905	0.00522	-0.09034
0.135658	0.00331	0.037322	0.42102	0.032276	0.48655	0.017067	0.71298	0.036814
0.107986	0.01959	-0.05291	0.25381	-0.00495	0.91498	-0.02193	0.63648	0.010081
0.160039	0.00052	0.044652	0.33563	-0.00877	0.85006	-0.10429	0.02421	0.024907
0.139021	0.00261	0.296984	5.79E-11	0.077346	0.09502	0.105426	0.0227	0.204703
0.222363	1.21E-06	-0.03133	0.49949	0.03987	0.38999	-0.03358	0.46915	-0.00952
0.224539	9.48E-07	0.020108	0.66471	0.01323	0.77554	-0.07681	0.09733	0.009731
0.03773	0.41596	0.007147	0.87759	0.006785	0.88373	-0.01656	0.72109	0.007831
-0.11008	0.01733	-0.01085	0.81507	-0.01773	0.70236	-0.03386	0.46539	-0.10385
0.192759	2.74E-05	-0.033	0.47683	0.040306	0.38483	-0.03773	0.41596	0.148874
-0.2138	3.13E-06	-0.37373	6.29E-17	0.030313	0.51346	0.091984	0.04696	-0.03783

-0.0184	0.69161	-0.2588	1.39E-08	-0.02013	0.6644	-0.06259	0.17689	-0.07332
0.010473	0.82142	-0.12923	0.00516	0.005091	0.91264	0.058864	0.20417	-0.0016
0.115368	0.0126	0.11762	0.01097	-0.02351	0.61227	-0.03531	0.44655	-0.08083
0.172165	0.00019	0.05886	0.2042	0.046522	0.31577	-0.00491	0.9157	0.062175
0.212825	3.48E-06	0.22374	1.04E-06	0.011605	0.80248	-0.02808	0.54492	0.085206
0.332211	1.70E-13	0.069838	0.13181	0.024846	0.59226	-0.03686	0.42684	-0.02999
0.110351	0.01705	0.037671	0.41668	0.037236	0.42209	-0.00295	0.9493	0.106927
0.240581	1.42E-07	0.155737	0.00073	0.096948	0.03622	0.083634	0.07097	0.234091
0.233775	3.23E-07	0.190935	3.28E-05	0.01097	0.81309	-0.05107	0.2707	-0.06112
0.372819	7.58E-17	0.023	0.62006	0.016491	0.72226	0.050211	0.27888	0.023223
0.038099	0.41141	-0.31223	5.11E-12	-0.02466	0.59506	-0.10294	0.02612	0.009812
0.052696	0.25574	0.223711	1.04E-06	0.043417	0.34919	0.016324	0.72496	0.04624
-0.07931	0.08691	-0.28366	4.31E-10	0.003116	0.94646	-0.00306	0.94744	-0.05143
0.213002	3.42E-06	0.052819	0.25464	0.033697	0.46756	0.014106	0.7611	0.099501
0.390577	1.81E-18	0.123074	0.00775	0.00962	0.83574	-0.09388	0.04258	0.139448
0.105126	0.02309	-0.27864	8.95E-10	0.011899	0.7976	-0.06175	0.1828	0.071192
0.555766	3.29E-39	0.119907	0.0095	0.013437	0.77211	-0.07133	0.12372	0.093913
0.118796	0.01019	0.013533	0.77054	-0.03382	0.46598	-0.03156	0.4963	-0.06654
0.054385	0.2408	0.134954	0.00348	-0.04915	0.28913	-0.08422	0.06901	0.022984
-0.19172	3.03E-05	-0.09392	0.04249	-0.01285	0.78179	0.020256	0.66239	-0.07166
0.145639	0.0016	-0.02432	0.60013	0.023238	0.61644	-0.03255	0.48284	0.059956
0.114267	0.01348	-0.29639	6.35E-11	-0.03158	0.49606	-0.22176	1.30E-06	-0.09302
-0.00562	0.90365	-0.23369	3.26E-07	-0.00183	0.96857	-0.07584	0.10167	0.062336
-0.00616	0.89444	-0.08619	0.06274	0.007621	0.86954	-0.06906	0.13619	0.014335
0.129494	0.00507	-0.155	0.00078	-0.05015	0.27946	-0.13373	0.00379	-0.02255
0.055606	0.23038	-0.00032	0.99458	-0.01235	0.79002	-0.01062	0.8189	0.044506
-0.20706	6.44E-06	-0.03994	0.38911	-0.10413	0.02443	-0.10081	0.02939	-0.29256
0.092488	0.04576	0.049536	0.2854	0.030804	0.50666	0.046906	0.31178	0.198537
-0.00159	0.9727	-0.14298	0.00195	0.047965	0.30098	0.087146	0.05987	0.095648
0.141659	0.00215	0.00091	0.98435	0.023189	0.61718	-0.01197	0.79642	0.161891
-0.15825	0.0006	-0.01043	0.82213	-0.00018	0.99699	0.053348	0.2499	-0.0459
0.125364	0.00668	-0.03771	0.41618	0.020921	0.65203	-0.00892	0.84757	0.035646
-0.24791	5.70E-08	-0.15446	0.00081	-0.09381	0.04274	-0.12052	0.00914	-0.184
0.11569	0.01236	0.030411	0.5121	0.033531	0.46976	0.058896	0.20392	0.070194
0.159853	0.00053	0.030756	0.50732	0.014424	0.75589	-0.02563	0.58068	0.078137
0.238107	1.92E-07	0.072216	0.11912	0.038817	0.40264	-0.07123	0.12424	0.010998
0.15138	0.00103	0.008724	0.85085	0.037026	0.42472	0.014285	0.75816	0.05329
0.364636	3.93E-16	0.07261	0.11712	0.010673	0.81806	-0.01161	0.80241	-0.05839
0.1197	0.00962	0.213336	3.29E-06	0.024005	0.60484	0.074399	0.10834	0.129128
-0.27408	1.71E-09	0.182914	7.01E-05	0.031041	0.50339	0.058416	0.20764	0.124986
0.125354	0.00668	0.043029	0.35351	0.009782	0.83302	-0.0528	0.25478	0.124418
0.280678	6.67E-10	0.075446	0.10345	-0.04492	0.33279	-0.12631	0.00627	-0.04902
-0.03522	0.44761	0.149634	0.00118	-0.04377	0.34525	-0.08672	0.06113	0.026497
0.064161	0.16628	-0.28711	2.59E-10	0.003096	0.9468	-0.11447	0.01332	-0.04078
0.19977	1.37E-05	-0.0025	0.95695	0.048038	0.30023	-0.0137	0.76778	0.189638

0.245264	7.95E-08	0.196744	1.85E-05	-0.06181	0.18238	-0.27508	1.49E-09	-0.07624
0.113412	0.0142	-0.2317	4.13E-07	-0.00324	0.94435	-0.08989	0.05223	0.017814
0.272435	2.16E-09	0.18218	7.51E-05	0.031846	0.49238	-0.00745	0.87252	0.143495
0.105888	0.0221	-0.16699	0.00029	-0.00419	0.92813	-0.05109	0.27058	-0.13134
0.251255	3.72E-08	-0.06466	0.16298	-0.02222	0.63195	-0.18358	6.59E-05	-0.07682
0.10086	0.02931	-0.22037	1.52E-06	-0.01309	0.77788	-0.05871	0.20535	-0.04442
0.204306	8.58E-06	-0.15334	0.00089	-0.02956	0.52393	-0.07078	0.12667	0.022349
0.182365	7.38E-05	-0.00412	0.92923	-0.07531	0.10406	-0.15638	0.0007	-0.16369
0.233896	3.19E-07	0.259167	1.32E-08	-0.03523	0.44757	-0.10967	0.01775	-0.06993
0.136312	0.00316	0.180592	8.69E-05	0.029345	0.527	0.030713	0.50791	0.098163
0.04415	0.3411	-0.07781	0.09305	-0.00649	0.88881	-0.03609	0.43653	0.021819
-0.14544	0.00163	0.121829	0.0084	0.017882	0.69992	0.086152	0.06285	0.122673
-0.02354	0.61181	-0.09872	0.03294	-0.03389	0.46504	-0.08706	0.06011	-0.08991
0.101022	0.02905	-0.07999	0.08422	-0.0163	0.72542	-0.06828	0.14067	0.016614
0.405571	6.45E-20	0.098635	0.03309	-0.0104	0.82257	-0.05291	0.25386	0.101313
0.573489	3.45E-42	0.255902	2.04E-08	-0.01509	0.74492	-0.12715	0.00593	0.010059
-0.03851	0.40641	-0.06738	0.14601	0.053042	0.25263	0.178951	0.0001	0.135172
0.308898	8.79E-12	0.150796	0.00108	0.037371	0.4204	0.105837	0.02217	0.039345
0.109228	0.01822	0.193495	2.55E-05	0.015105	0.74475	0.107504	0.02014	0.030871
0.008316	0.85775	-0.10746	0.02019	-0.03863	0.40489	-0.08524	0.0657	-0.05396
0.13299	0.00399	0.236731	2.27E-07	0.046121	0.31995	0.072785	0.11624	0.174439
0.204938	8.03E-06	-0.04873	0.29335	-0.07877	0.08905	-0.25648	1.89E-08	-0.20037
0.223302	1.09E-06	0.23943	1.64E-07	0.005967	0.89766	0.100441	0.02999	-0.01891
0.124129	0.00724	-0.03522	0.44763	0.00392	0.93267	-0.07295	0.11542	-0.00792
0.012612	0.78576	0.172146	0.00019	0.016345	0.72462	0.05544	0.23179	-0.04004
0.333566	1.34E-13	0.004106	0.92948	0.010231	0.82548	0.003709	0.93629	0.086058
0.28081	6.54E-10	0.1276	0.00576	0.000293	0.99497	-0.02145	0.6438	0.036502
-0.02017	0.66374	-0.13064	0.00469	-0.01104	0.81192	-0.05207	0.26147	-0.00381
0.263259	7.65E-09	0.233426	3.37E-07	0.026138	0.57315	-0.06282	0.17532	0.053897
0.395178	6.62E-19	0.024265	0.60094	-0.06051	0.19177	-0.12967	0.00501	-0.04613
0.301523	2.85E-11	0.086427	0.06201	0.038643	0.40476	0.016076	0.72896	0.093078
-0.14922	0.00122	-0.05262	0.2564	-0.04283	0.35569	-0.07029	0.1293	-0.099
0.13828	0.00275	0.040942	0.37736	-0.01797	0.69855	-0.02895	0.53252	0.010525
0.11348	0.01414	0.050762	0.27363	0.027001	0.56054	-0.01188	0.79796	0.176825
0.495677	2.51E-30	0.164447	0.00036	-0.01441	0.75618	-0.17034	0.00022	-0.03325
0.218029	1.97E-06	0.140376	0.00236	0.067801	0.14348	0.173025	0.00017	0.229549
0.077503	0.09435	-0.28528	3.40E-10	-0.04218	0.36313	-0.19334	2.59E-05	-0.07953
-0.0951	0.03995	-0.17324	0.00017	0.024752	0.59366	0.013977	0.76323	0.027565
-0.11318	0.0144	-0.19499	2.20E-05	-0.00388	0.93335	0.12169	0.00848	-0.00621
0.27769	1.03E-09	-0.05728	0.21663	0.002025	0.96519	-0.06784	0.14325	0.053206
-0.21892	1.79E-06	-0.17864	0.0001	-0.08141	0.07882	-0.06848	0.13949	0.002951
-0.01503	0.7459	-0.28599	3.06E-10	-0.01838	0.69197	-0.13324	0.00392	-0.02703
0.181872	7.73E-05	-0.06434	0.16509	0.001628	0.97202	-0.06094	0.18861	0.036034
-0.31538	3.04E-12	-0.22539	8.60E-07	0.023109	0.6184	0.103871	0.02479	-0.03423
0.02221	0.63213	-0.12019	0.00933	-0.02259	0.62625	-0.04187	0.36665	-0.08069



-0.00071	0.98787	-0.22814	6.27E-07	-0.01587	0.73224	-0.05181	0.26385	-0.03283
0.555497	3.64E-39	0.138835	0.00264	-0.0071	0.87844	-0.05705	0.2185	0.064194
0.126008	0.0064	0.297268	5.54E-11	0.04775	0.30315	0.045935	0.32191	0.121735
0.231833	4.07E-07	0.018135	0.69588	0.008808	0.84944	-0.07133	0.12373	-0.01013
-0.06034	0.19302	0.211898	3.85E-06	0.008699	0.85127	0.073818	0.11114	-0.06249
0.548442	4.99E-38	0.389693	2.19E-18	-0.00031	0.9946	-0.13017	0.00484	0.066541
0.112296	0.01519	-0.102	0.02752	0.08806	0.05722	0.121211	0.00874	0.330231
0.213456	3.25E-06	-0.05007	0.28022	0.022355	0.6299	-0.02071	0.65536	0.034917
0.076849	0.09717	-0.01569	0.73525	0.020661	0.65608	-0.03283	0.47904	0.019587
0.138386	0.00273	-0.13946	0.00252	0.029794	0.52069	-0.04638	0.31727	0.092862
-0.03074	0.50754	-0.17851	0.00011	-0.00647	0.88916	-0.04068	0.38043	-0.03493
0.116722	0.01159	0.246162	7.11E-08	-0.02952	0.52458	-0.06608	0.15391	-0.14137
-0.12806	0.00558	-0.33575	9.08E-14	0.014286	0.75814	-0.03232	0.48591	0.068017
-0.24377	9.58E-08	-0.1039	0.02474	-0.01483	0.74917	0.081445	0.07871	0.078363
0.198458	1.56E-05	-0.05721	0.21722	-0.01195	0.79675	-0.10843	0.01909	-0.02404
0.361876	6.77E-16	0.048434	0.29627	-0.0022	0.96211	-0.09038	0.05094	0.116852
0.31445	3.54E-12	-0.0827	0.07421	0.01578	0.73377	-0.11632	0.01188	-0.05744
0.232969	3.56E-07	-0.05585	0.22837	-0.0046	0.92107	-0.15075	0.00108	-0.00969
0.061981	0.18119	0.124184	0.00721	0.029207	0.52895	0.035429	0.44497	0.394224
0.079881	0.08464	-0.1461	0.00155	-0.01251	0.7875	-0.07962	0.08568	-0.04222
0.064647	0.16309	-0.10278	0.02634	-0.02289	0.62173	-0.07596	0.10112	-0.0537
0.133684	0.0038	-0.15405	0.00084	-0.01051	0.82074	-0.12632	0.00627	-0.10687
0.042909	0.35485	-0.08758	0.05859	0.003287	0.94352	-0.03728	0.42151	0.132464
0.176662	0.00012	0.032028	0.48991	0.010732	0.81707	-0.10769	0.01993	0.138977
0.490817	1.11E-29	0.042209	0.36277	-0.00014	0.99767	-0.09352	0.04338	-0.01002
0.256253	1.94E-08	0.050684	0.27436	-0.01446	0.75532	-0.06952	0.1336	-0.06256
0.17804	0.00011	0.081944	0.07688	0.000889	0.98471	-0.01892	0.6834	0.056037
0.27889	8.63E-10	0.077202	0.09564	-0.01432	0.75765	-0.03883	0.4025	-0.13923
0.107189	0.02051	-0.08277	0.07395	-0.00118	0.97975	-0.02577	0.57857	0.071135
0.071516	0.12275	-0.04178	0.3677	-0.00265	0.95441	0.004028	0.93082	0.019772
0.229493	5.35E-07	0.127451	0.00581	-0.00296	0.94913	-0.04804	0.30021	0.009589
0.212874	3.46E-06	0.093454	0.04353	0.018409	0.69152	-0.07819	0.09147	0.090089
0.247518	5.99E-08	0.097017	0.03609	0.013879	0.76483	0.002669	0.95413	0.061872
0.342481	2.68E-14	0.120499	0.00915	-0.042	0.36517	-0.12617	0.00633	-0.04925
0.098118	0.03403	0.208856	5.32E-06	-0.00504	0.91351	0.001126	0.98063	0.089713
0.083388	0.07181	-0.16931	0.00024	-0.00306	0.94738	-0.0288	0.53464	-0.02202
-0.19001	3.58E-05	-0.19558	2.08E-05	-0.03319	0.47428	0.027294	0.55629	-0.09598
0.277444	1.06E-09	-0.00938	0.83979	-0.02267	0.62506	-0.10217	0.02727	-0.07254
-0.02875	0.53549	0.243856	9.48E-08	0.098295	0.0337	0.241444	1.28E-07	0.303892
-0.04706	0.31018	-0.1402	0.00239	0.067273	0.14663	0.045966	0.32159	0.137077
0.170774	0.00021	0.079962	0.08432	0.017068	0.71295	-0.01711	0.71229	0.063141
0.363784	4.65E-16	0.53313	1.19E-35	-0.0205	0.65859	0.034987	0.45068	-0.11564
0.22214	1.25E-06	0.091309	0.04861	0.038623	0.405	-0.02693	0.56154	0.128073
-0.01144	0.80517	-0.11224	0.01523	-0.0368	0.42755	-0.05104	0.27096	-0.01595
-0.02968	0.5223	-0.34169	3.10E-14	-0.04189	0.36645	-0.20076	1.23E-05	-0.07834

0.227116	7.06E-07	0.21924	1.72E-06	0.044081	0.34185	0.171076	0.0002	0.174061
-0.08681	0.06086	-0.23542	2.66E-07	0.000725	0.98754	-0.03655	0.43065	0.0927
-0.15723	0.00065	-0.25153	3.59E-08	-0.00115	0.9802	0.005535	0.90504	-0.00344
0.192767	2.74E-05	0.114018	0.01369	0.031236	0.50072	0.073511	0.11263	-0.03062
0.021529	0.64261	-0.37327	6.92E-17	-0.0671	0.14766	-0.1543	0.00082	-0.19366
0.238752	1.78E-07	0.133938	0.00373	0.030067	0.51688	-0.0236	0.61092	0.050623
-0.15779	0.00062	0.14483	0.0017	0.01438	0.7566	0.139832	0.00246	-0.07053
0.140715	0.0023	0.014855	0.74884	0.01942	0.67552	0.058944	0.20356	0.041748
-0.117	0.01139	0.142977	0.00195	0.148018	0.00134	0.459036	1.02E-25	0.063246
0.114483	0.0133	0.090357	0.05101	0.000943	0.98378	-0.11163	0.01581	-0.11801
0.093297	0.04389	-0.05495	0.23591	-0.00257	0.95574	-0.09716	0.03582	0.008896
0.148559	0.00128	-0.04139	0.37216	0.017016	0.7138	-0.06627	0.15274	0.050364
0.169553	0.00023	0.15273	0.00093	-0.00879	0.84974	-0.08769	0.05828	0.013747
0.234396	3.00E-07	0.030047	0.51715	-0.05592	0.2278	-0.19687	1.83E-05	-0.00614
0.568986	2.05E-41	0.175662	0.00014	-0.04101	0.37655	-0.13553	0.00334	0.005392
0.067239	0.14684	0.051563	0.26613	0.030041	0.51725	0.024243	0.60128	0.128065
0.151529	0.00102	0.117996	0.01071	-0.02345	0.61324	-0.03577	0.44059	-0.13608
0.232128	3.93E-07	0.214182	3.01E-06	0.059002	0.20311	0.065849	0.1554	0.248192
0.025514	0.58234	0.320458	1.30E-12	0.066227	0.15303	0.223708	1.04E-06	0.118421
0.000115	0.99802	0.282457	5.15E-10	0.00998	0.82969	0.039436	0.39518	0.029941
0.051862	0.26335	0.374217	5.70E-17	-0.00628	0.89228	0.047535	0.30533	-0.0591
0.206962	6.50E-06	0.126626	0.00614	0.03627	0.43423	-0.03885	0.40225	0.049233
0.423706	9.05E-22	0.386018	4.83E-18	-0.02313	0.61802	-0.10594	0.02203	-0.07312
0.303157	2.20E-11	0.262345	8.65E-09	0.049393	0.2868	0.077105	0.09606	0.105941
-0.06417	0.16621	-0.36862	1.78E-16	-0.03091	0.50524	-0.14279	0.00198	-0.19002
0.053174	0.25145	0.101546	0.02822	-0.05736	0.21602	-0.1091	0.01836	-0.10648
-0.09628	0.03754	0.059703	0.19779	-0.03891	0.40154	0.017809	0.70108	-0.13064
0.081975	0.07677	-0.07274	0.11647	-0.01038	0.82301	-0.01988	0.66835	0.075132
0.083258	0.07225	-0.19855	1.54E-05	-0.02293	0.62119	-0.12755	0.00578	-0.01031
0.030612	0.50931	-0.19831	1.58E-05	-0.02419	0.60213	-0.03976	0.39136	-0.02031
0.094926	0.04032	0.166868	0.00029	0.029098	0.53049	0.010598	0.81932	0.020424
0.165799	0.00032	-0.02544	0.5834	-0.02106	0.64987	-0.09916	0.03215	0.015908
0.109698	0.01772	-0.07031	0.1292	-0.01017	0.82648	-0.05004	0.28055	0.017715
0.129053	0.00522	0.246712	6.63E-08	-0.00562	0.90361	0.049871	0.28215	-0.1203
-0.1036	0.02517	-0.03213	0.4885	0.031721	0.49409	0.055178	0.234	0.033401
0.038253	0.40952	-0.09901	0.03242	-0.01401	0.76261	-0.02783	0.54861	-0.03601
0.24163	1.25E-07	0.08453	0.06799	0.04122	0.37413	0.067062	0.14791	0.138262
-0.03178	0.49325	-0.08335	0.07193	0.014756	0.75046	0.003434	0.941	0.109413
0.166732	0.0003	-0.03753	0.41847	0.047601	0.30466	0.017905	0.69956	0.191192
0.016388	0.72392	-0.0764	0.09917	0.059167	0.20185	0.068999	0.13653	0.127119
0.174223	0.00015	-0.03543	0.4449	0.0048	0.91761	-0.0371	0.42377	0.130129
0.255173	2.24E-08	0.024735	0.59391	-0.07905	0.08795	-0.10572	0.02232	-0.13253
0.073195	0.11419	-0.12744	0.00582	-0.01378	0.76644	-0.08227	0.07573	-0.03767
0.044755	0.33452	-0.08051	0.08223	-0.01396	0.76349	-0.01991	0.6678	0.002628
-0.04542	0.32733	-0.20485	8.11E-06	0.065028	0.16062	0.105436	0.02268	0.062271

0.027578	0.55219	-0.15525	0.00076	0.013932	0.76397	-0.08055	0.08208	0.014256
-0.13888	0.00263	-0.04815	0.29909	-0.05622	0.22531	-0.04692	0.31168	0.020899
-0.03036	0.51283	-0.23506	2.77E-07	-0.05248	0.25767	-0.15895	0.00057	-0.07344
0.04692	0.31164	0.140492	0.00234	-0.00565	0.90308	-0.04074	0.37968	0.064233
0.108051	0.01951	0.33768	6.42E-14	-0.01736	0.70824	0.024009	0.60479	-0.1332
0.09818	0.03391	0.277098	1.12E-09	0.005016	0.91391	0.046857	0.31229	-0.06904
0.195548	2.08E-05	0.175058	0.00014	0.012102	0.79422	-0.05727	0.2167	0.0359
0.286893	2.68E-10	0.273326	1.91E-09	0.108832	0.01864	0.189741	3.68E-05	0.452577
0.26582	5.40E-09	0.243735	9.62E-08	-0.00454	0.92205	-0.06209	0.18044	0.020575
0.21973	1.63E-06	0.148247	0.00131	0.106969	0.02077	0.029029	0.53147	0.352416
-0.0118	0.79926	-0.0639	0.16802	0.00339	0.94176	-0.0055	0.90562	0.021373
0.134273	0.00365	-0.03221	0.48742	0.013494	0.77118	-0.09995	0.0308	0.054751
0.138777	0.00265	-0.10253	0.02671	0.000603	0.98964	-0.05182	0.2637	0.027026
0.278927	8.59E-10	0.224333	9.71E-07	-0.01687	0.71612	-0.07573	0.10215	0.06666
0.296567	6.18E-11	0.16447	0.00036	0.003487	0.9401	-0.09303	0.0445	-0.04497
0.135874	0.00326	-0.11254	0.01497	-0.00371	0.93632	-0.03129	0.50003	-0.00557
0.204977	8.00E-06	0.164071	0.00037	0.011739	0.80026	-0.00896	0.84694	0.063825
-0.05888	0.20407	-0.02025	0.66245	0.187047	4.76E-05	0.243437	9.99E-08	0.410588
0.244744	8.49E-08	0.115264	0.01268	-0.01564	0.73603	-0.11323	0.01435	0.007286
-0.13916	0.00258	-0.27318	1.95E-09	0.031413	0.49829	0.072458	0.11789	0.152551
0.120591	0.00909	0.095589	0.03893	0.045649	0.32494	0.011362	0.80654	0.152385
0.149116	0.00123	0.107125	0.02059	0.018836	0.68474	0.029394	0.52631	-0.06862
-0.17733	0.00012	0.024421	0.59861	-0.03071	0.50795	0.024862	0.59202	-0.04449
-0.08105	0.08017	0.012104	0.79419	-0.04483	0.33376	-0.04639	0.31715	-0.13296
-0.10609	0.02186	0.031991	0.49041	-0.01457	0.75354	-0.03576	0.44077	-0.07406
0.192552	2.80E-05	0.067877	0.14303	0.040736	0.37977	0.087975	0.05747	0.12976
0.203566	9.26E-06	0.064787	0.16218	0.023736	0.60891	-0.02215	0.63312	0.087154
0.004133	0.92903	0.121454	0.00861	-0.02696	0.56115	-0.03264	0.48164	0.045197
0.13574	0.00329	0.498703	9.85E-31	0.001073	0.98156	0.052453	0.25795	0.007117
0.106603	0.02122	-0.01677	0.71777	0.122851	0.00787	0.194791	2.25E-05	0.080246
0.242796	1.08E-07	0.139216	0.00257	-1.74E-05	0.9997	-0.06655	0.15106	0.070178
0.052354	0.25885	-0.05744	0.21537	0.007132	0.87784	0.013363	0.77334	0.007743
0.004051	0.93043	-0.38137	1.29E-17	-0.0422	0.36289	-0.25626	1.94E-08	-0.15128
0.02275	0.62387	-0.07864	0.08962	-0.00565	0.90309	-0.04089	0.37795	0.006833
0.341598	3.16E-14	0.331501	1.93E-13	-0.03661	0.42992	-0.22795	6.41E-07	-0.03555
-0.13149	0.00442	-0.07038	0.12881	0.005142	0.91176	0.032049	0.48963	-0.07418
0.246662	6.67E-08	0.088946	0.05476	-0.02471	0.59424	-0.07282	0.11608	0.082414
-0.00851	0.85441	-0.04643	0.31671	-0.01969	0.6712	-0.02783	0.54855	-0.00424
0.002387	0.95898	0.155515	0.00075	0.042585	0.35851	0.105497	0.0226	0.098513
-0.05117	0.26975	0.076255	0.09979	-0.01272	0.78392	0.027802	0.54896	0.067722
0.368739	1.73E-16	0.121464	0.0086	0.052003	0.26206	0.01214	0.79359	0.218856
0.311876	5.41E-12	-0.05096	0.27176	-0.04032	0.38464	-0.05503	0.2353	-0.13622
0.164992	0.00034	0.018886	0.68396	0.011341	0.8069	0.018204	0.69478	0.029711
0.186453	5.03E-05	0.275384	1.43E-09	0.021673	0.64039	-0.07291	0.11563	0.097888
0.171851	0.00019	0.070038	0.1307	0.004734	0.91873	-0.03806	0.41186	0.002311

0.129456	0.00508	-0.00457	0.92148	0.003654	0.93723	-0.02198	0.63569	0.002919
0.116891	0.01147	0.108864	0.01861	-0.01854	0.6894	0.063621	0.16989	-0.08812
0.166127	0.00031	-0.10897	0.01849	-0.04655	0.31549	-0.15849	0.00059	-0.07751
0.009906	0.83094	-0.23081	4.59E-07	0.011524	0.80384	0.003125	0.94631	-0.03375
-0.08931	0.05376	-0.22889	5.74E-07	0.00168	0.97112	-0.02446	0.59807	-0.05171
0.312253	5.09E-12	0.142777	0.00198	0.001709	0.97062	-0.05872	0.20527	-0.00817
0.093945	0.04244	-0.02095	0.65151	0.02314	0.61793	-0.02158	0.64179	0.071046
0.248154	5.53E-08	-0.10921	0.01824	-0.03712	0.42357	-0.13198	0.00428	0.011814
0.174946	0.00014	0.407679	3.98E-20	-0.0254	0.584	-0.04633	0.31776	0.07556
-0.04952	0.28553	0.092437	0.04588	0.147484	0.00139	0.069213	0.13531	0.028984
-0.11081	0.01659	-0.10898	0.01848	0.110606	0.0168	0.127146	0.00593	0.440719
0.26243	8.55E-09	0.085384	0.06524	0.007188	0.87688	-0.04692	0.31167	0.07695
0.158734	0.00058	0.010965	0.81318	-0.01761	0.70432	-0.10013	0.03051	-0.01014
0.039908	0.38954	0.369845	1.39E-16	-0.01501	0.74634	0.018148	0.69567	0.084556
0.085812	0.0639	0.317512	2.13E-12	-0.037	0.4251	-0.0824	0.07524	0.027836
0.20529	7.74E-06	0.097835	0.03455	0.010433	0.82208	-0.02709	0.55931	0.022445
0.255726	2.08E-08	0.096461	0.03718	0.002651	0.95443	-0.0522	0.26021	-0.03834
0.013395	0.7728	-0.21778	2.03E-06	0.014568	0.75353	-0.04591	0.32216	0.08924
0.317466	2.15E-12	0.231852	4.06E-07	-0.02264	0.62551	-0.0953	0.03953	0.083302
0.276854	1.16E-09	0.216807	2.26E-06	0.014523	0.75427	-0.00598	0.89741	-0.0621
0.17445	0.00015	0.359008	1.19E-15	0.033097	0.47553	0.286631	2.78E-10	0.074862
-0.16919	0.00024	-0.05936	0.20035	-0.0302	0.51502	0.024465	0.59794	-0.10492
0.219223	1.73E-06	0.029663	0.52253	-0.00393	0.93257	-0.11266	0.01485	-0.03466
-0.06031	0.19326	-0.15112	0.00105	-0.08668	0.06126	-0.18845	4.16E-05	-0.19411
0.103231	0.02569	0.235825	2.53E-07	0.028957	0.53248	0.020137	0.66425	0.245815
0.100275	0.03026	0.003854	0.9338	-0.02184	0.63788	-0.00346	0.94052	-0.04275
-0.27215	2.25E-09	-0.20964	4.90E-06	-0.03886	0.40207	-0.03736	0.42056	-0.06148
0.123937	0.00733	0.117334	0.01116	0.053582	0.24783	0.105492	0.02261	0.206764
0.531851	1.85E-35	0.085196	0.06584	0.003844	0.93398	-0.13574	0.00329	0.059996
0.04006	0.38773	-0.15004	0.00115	-0.04105	0.37614	-0.05145	0.26718	-0.17558
0.045747	0.3239	-0.15284	0.00092	0.000428	0.99265	-0.02769	0.55055	0.058675
0.104017	0.02458	0.000861	0.98519	-0.02419	0.60204	-0.03011	0.51632	0.108916
0.128355	0.00547	0.136628	0.00309	0.009665	0.83498	0.036522	0.43106	0.069857
-0.09197	0.04699	0.118378	0.01046	-0.01568	0.73546	0.028547	0.53831	0.076234
-0.09227	0.04626	-0.10076	0.02947	0.003557	0.93889	-0.03419	0.46109	-0.00181
-0.18238	7.37E-05	-0.26718	4.48E-09	-0.06487	0.16167	-0.14176	0.00213	-0.18935
0.085451	0.06503	-0.03591	0.43875	0.014168	0.76008	-0.04504	0.33147	0.014528
0.109009	0.01845	-0.19472	2.26E-05	-0.05665	0.22178	-0.16845	0.00026	-0.10054
0.175443	0.00014	-0.09855	0.03324	-0.02119	0.64782	-0.20823	5.69E-06	-0.10593
0.288711	2.04E-10	0.016738	0.71827	0.039497	0.39445	-0.03809	0.41154	0.091201
-0.19083	3.31E-05	-0.17628	0.00013	-0.02895	0.53259	0.015588	0.73688	-0.13205
0.255962	2.02E-08	0.08574	0.06412	-0.01664	0.71983	-0.0789	0.08856	0.055526
0.015192	0.74333	-0.03193	0.49124	0.004489	0.92292	-0.04867	0.29395	0.004447
-0.01541	0.73982	-0.14394	0.00182	-0.02049	0.65882	-0.0775	0.09435	-0.07205
0.363281	5.14E-16	0.146299	0.00152	-0.01218	0.79291	-0.15167	0.00101	0.018501

0.033181	0.47441	0.190854	3.30E-05	0.045327	0.32837	0.120003	0.00944	0.186759
-0.02468	0.59466	-0.12199	0.00831	0.069567	0.13332	0.083815	0.07036	0.079229
0.163169	0.0004	0.332092	1.74E-13	0.032631	0.48177	0.024817	0.59269	0.039452
0.080565	0.082	0.213184	3.35E-06	0.053396	0.24947	0.103811	0.02487	0.262187
0.317531	2.12E-12	0.26578	5.43E-09	-0.00176	0.96968	-0.22329	1.09E-06	-0.04092
-0.00322	0.94468	-0.16214	0.00044	0.001228	0.97889	-0.08942	0.05348	-0.06904
0.214493	2.91E-06	0.073149	0.11442	-0.02445	0.59812	-0.08214	0.07618	0.086997
0.066682	0.15022	-0.31651	2.52E-12	0.021761	0.63903	-0.09471	0.04077	0.063702
-0.10387	0.02478	-0.05485	0.23681	-0.01313	0.77723	0.019356	0.67653	-0.04979
0.042611	0.3582	-0.16478	0.00035	-0.02747	0.55375	-0.11046	0.01694	-0.15472
0.186866	4.84E-05	0.356217	2.03E-15	0.04932	0.28751	0.079872	0.08468	0.1596
-0.19963	1.38E-05	-0.10957	0.01786	-0.03371	0.46737	-0.01404	0.76224	-0.02641
0.234647	2.91E-07	-0.09804	0.03417	0.00565	0.90308	-0.05398	0.24432	-0.00912
0.193922	2.45E-05	0.075811	0.10178	0.028371	0.54081	0.075074	0.10517	0.093576
0.166518	0.0003	0.019263	0.67799	0.061553	0.18422	0.0159	0.73183	0.167995
0.177731	0.00011	0.140318	0.00237	0.002665	0.95419	-0.0189	0.68369	0.043468
0.214487	2.91E-06	0.057363	0.21596	-0.00158	0.97288	0.006827	0.88303	0.05787
0.288179	2.21E-10	0.424023	8.38E-22	0.047921	0.30142	0.030814	0.50652	0.18798
0.160677	0.00049	0.170285	0.00022	0.020874	0.65275	0.099229	0.03204	0.077859
0.167576	0.00028	0.187848	4.41E-05	0.131744	0.00435	0.170855	0.00021	0.190692
0.153517	0.00087	0.047167	0.30909	-0.01694	0.71506	-0.00275	0.95281	0.028124
-0.12818	0.00554	0.029221	0.52876	-0.05022	0.27875	0.012567	0.7865	-0.11918
0.375496	4.38E-17	0.047079	0.31	0.036444	0.43203	-0.03639	0.43268	0.009637
0.235354	2.68E-07	0.083605	0.07107	0.032391	0.485	0.007356	0.87402	0.046209
0.327514	3.88E-13	0.504255	1.73E-31	0.086977	0.06037	0.203777	9.06E-06	0.298126
0.286076	3.02E-10	0.046547	0.3155	0.004925	0.91547	-0.13269	0.00407	0.106228
0.06541	0.15817	0.134013	0.00372	0.030401	0.51223	0.00339	0.94176	-0.02584
0.352439	4.19E-15	0.228787	5.81E-07	0.020777	0.65426	0.024884	0.5917	0.11127
0.14064	0.00232	-0.04916	0.28909	0.04405	0.3422	-0.00697	0.88058	0.021967
0.223665	1.05E-06	0.189748	3.67E-05	0.008318	0.85772	0.00281	0.9517	0.110602
0.016622	0.72015	-0.18261	7.21E-05	-0.02054	0.65799	-0.0982	0.03388	-0.05927
0.06387	0.16822	-0.05446	0.24012	-0.00915	0.84366	-0.13149	0.00442	0.014295
-0.00618	0.8941	-0.04166	0.36909	-0.00612	0.89503	-0.05418	0.24255	0.037666
0.079921	0.08448	-0.13276	0.00405	0.042384	0.36078	0.105501	0.0226	0.04792
0.361436	7.38E-16	0.262661	8.29E-09	-0.04832	0.29737	-0.08952	0.05322	-0.14364
0.285194	3.44E-10	0.109679	0.01774	0.006691	0.88533	-0.05866	0.20576	0.123609
0.256977	1.77E-08	0.180429	8.82E-05	-0.01155	0.80338	-0.11644	0.0118	0.01736
0.442877	7.45E-24	-0.12991	0.00493	-0.05838	0.20795	-0.15536	0.00075	-0.04796
-0.02207	0.63427	0.043243	0.35112	-0.01803	0.69761	0.075949	0.10116	0.078587
0.320897	1.20E-12	0.054415	0.24054	-0.01991	0.66776	-0.07933	0.0868	0.065537
0.200814	1.23E-05	-0.12368	0.00745	-0.05711	0.21803	-0.19321	2.63E-05	-0.05305
0.074017	0.11017	-0.07431	0.10877	-0.04418	0.34081	-0.08914	0.05422	0.053869
0.120218	0.00931	-0.31604	2.72E-12	-0.03765	0.41696	-0.13625	0.00317	-0.03257
0.109116	0.01834	-0.02003	0.66598	-0.02823	0.54279	-0.08543	0.0651	0.081279
0.337367	6.80E-14	0.120078	0.00939	0.007012	0.87988	-0.00365	0.93732	0.117014

-0.21141	4.05E-06	-0.26604	5.24E-09	-0.04431	0.33932	-0.01375	0.76701	-0.18894
0.185459	5.53E-05	-0.04399	0.34287	-0.01355	0.77024	-0.09988	0.03092	0.013776
0.083573	0.07118	-0.04273	0.35684	0.033411	0.47135	-0.03515	0.44857	0.053387
0.511951	1.47E-32	0.557797	1.53E-39	0.024462	0.59799	-0.00012	0.99797	0.133265
-0.11808	0.01065	-0.3614	7.44E-16	-0.02802	0.54588	-0.01726	0.70989	-0.05733
0.489821	1.49E-29	0.15892	0.00057	0.031876	0.49197	-0.0431	0.35273	0.11105
-0.00413	0.92905	0.047974	0.30088	-0.05428	0.2417	-0.06449	0.16411	-0.05065
-0.2395	1.62E-07	-0.15863	0.00058	-0.0418	0.36749	-0.04694	0.31139	-0.17314
0.000947	0.98371	-0.2868	2.72E-10	-0.03763	0.41722	-0.05813	0.20991	-0.05392
0.021505	0.64298	-0.17109	0.0002	-0.04356	0.34764	-0.15327	0.00089	-0.16314
0.363977	4.48E-16	0.105557	0.02253	-0.06153	0.1844	-0.15046	0.00111	-0.02129
0.211309	4.10E-06	-0.00627	0.89249	-0.02083	0.65342	-0.10981	0.0176	0.013403
-0.04668	0.31413	-0.01138	0.80617	0.023312	0.61533	0.186109	5.20E-05	0.095406
-0.23698	2.20E-07	-0.31736	2.19E-12	-0.06195	0.18137	-0.11068	0.01672	-0.09803
-0.01971	0.67096	0.128613	0.00538	-0.05387	0.24528	-0.00045	0.99234	-0.04605
0.102511	0.02675	0.004256	0.92691	0.000813	0.98602	0.006124	0.895	0.021362
0.0845	0.06809	-0.22042	1.51E-06	-0.06155	0.18427	-0.12833	0.00548	-0.12025
0.176394	0.00013	0.020793	0.65401	-0.01281	0.78241	-0.03608	0.4366	-0.00521
0.266279	5.07E-09	0.264879	6.14E-09	-0.01021	0.82576	-0.04392	0.34359	-0.03098
0.164368	0.00036	0.024958	0.59059	-0.04877	0.29294	-0.07441	0.10827	-0.07666
0.022975	0.62044	-0.12977	0.00497	-0.01334	0.77377	-0.07725	0.09545	0.006353
0.192658	2.77E-05	0.088108	0.05709	0.051011	0.27128	0.055339	0.23263	0.108966
0.129999	0.0049	0.148749	0.00126	0.001863	0.96797	-0.08691	0.06056	-0.00655
0.003543	0.93914	-0.17893	0.0001	-0.04922	0.28853	-0.11271	0.01481	-0.10963
-0.02734	0.55567	-0.16355	0.00039	-0.03438	0.45861	-0.10379	0.0249	-0.06486
0.146671	0.00148	-0.02695	0.56125	-0.01613	0.72811	-0.06676	0.14977	-0.08475
0.088932	0.0548	0.062491	0.17761	-0.02141	0.64446	0.005023	0.9138	0.050661
0.029377	0.52655	0.30915	8.44E-12	-0.00752	0.87118	0.054558	0.23931	-0.06812
0.23106	4.46E-07	0.133913	0.00374	-0.03739	0.42015	-0.06462	0.16325	-0.07256
0.11033	0.01707	-0.0943	0.04167	-0.07118	0.12454	-0.21819	1.94E-06	-0.22889
0.038453	0.40707	-0.1373	0.00295	0.003021	0.94808	-0.01332	0.77407	0.00484
0.130469	0.00474	0.147863	0.00135	-0.01157	0.80301	-0.04429	0.33953	-0.03042
0.016075	0.72899	-0.21563	2.57E-06	0.006521	0.88822	-0.01225	0.79181	0.002022
0.087109	0.05998	-0.22204	1.26E-06	-0.05596	0.22746	-0.17665	0.00012	-0.14828
0.073426	0.11305	-0.02272	0.62438	-0.02403	0.6045	-0.05454	0.23946	-0.19316
0.123375	0.0076	0.184835	5.86E-05	0.066836	0.14928	0.037433	0.41964	0.11616
-0.10782	0.01978	-0.06114	0.18719	-0.0482	0.29862	-0.04431	0.3393	-0.08187
0.022331	0.63027	0.007583	0.87018	-0.00737	0.87386	-0.02147	0.64353	0.039659
-0.01318	0.77631	0.154456	0.00081	0.100655	0.02964	0.118023	0.01069	0.294299
-0.04663	0.31461	0.007808	0.86637	-0.02879	0.53491	-0.04397	0.34303	-0.06729
0.22684	7.28E-07	0.15867	0.00058	0.027065	0.55961	0.017828	0.70077	0.098119
-0.09995	0.03081	-0.16788	0.00027	-0.05343	0.24916	-0.10165	0.02806	-0.07554
0.084028	0.06965	0.084115	0.06936	-0.0224	0.62916	-0.059	0.20309	-0.15866
0.188436	4.17E-05	-0.0323	0.48628	-0.01871	0.68681	-0.14598	0.00156	-0.07201
0.185742	5.38E-05	0.193407	2.57E-05	0.096071	0.03795	0.191195	3.19E-05	0.382755

0.063395	0.17141	0.207765	5.97E-06	0.059582	0.1987	0.021242	0.64705	0.089223
0.079988	0.08422	0.002148	0.96308	0.001006	0.9827	-0.03933	0.39647	-0.01441
-0.03105	0.50326	0.099256	0.03199	0.036431	0.4322	0.016275	0.72576	0.016155
-0.11346	0.01416	-0.21093	4.27E-06	-0.01262	0.7856	-0.01372	0.76746	-0.02991
0.235448	2.65E-07	0.149077	0.00123	-0.01188	0.79794	-0.04912	0.28949	-0.00745
0.084523	0.06801	0.239974	1.53E-07	-0.00331	0.9431	-0.00441	0.92434	-0.00116
0.38369	7.92E-18	0.318174	1.91E-12	0.055482	0.23143	0.046032	0.3209	0.145107
0.184898	5.83E-05	0.059357	0.20041	0.001871	0.96784	-0.05623	0.22523	-0.00954
0.223113	1.12E-06	0.286813	2.71E-10	0.033558	0.4694	-0.01648	0.7224	0.061806
-0.10141	0.02843	0.003713	0.93621	0.028733	0.53566	0.082477	0.07498	0.185058
0.326882	4.32E-13	0.30528	1.57E-11	0.005183	0.91105	-0.00229	0.96066	0.049981
0.150956	0.00107	0.32075	1.24E-12	0.058717	0.20531	0.060519	0.19172	0.159746
0.022557	0.62682	-0.03133	0.49936	0.028475	0.53933	0.012968	0.77985	0.018602
0.266535	4.90E-09	0.194836	2.24E-05	0.001679	0.97113	-0.05931	0.20076	0.004046
0.101753	0.0279	0.112222	0.01525	0.035725	0.44118	0.030845	0.50609	0.028774
0.179844	9.31E-05	0.263709	7.20E-09	0.059854	0.19665	0.055675	0.22981	0.132709
0.213224	3.33E-06	0.088238	0.05672	0.048344	0.29716	0.061912	0.18167	0.055197
0.041848	0.36689	-0.09196	0.04702	-0.0181	0.69644	0.083745	0.0706	-0.25399
0.29357	9.79E-11	0.247963	5.66E-08	-0.02625	0.57145	-0.05869	0.2055	0.088619
0.366307	2.82E-16	0.10581	0.0222	-0.00134	0.9769	-0.04725	0.3082	-0.01292
0.317625	2.09E-12	0.175981	0.00013	0.007077	0.87877	-0.10995	0.01746	0.104224
0.073846	0.111	-0.30151	2.86E-11	0.026586	0.56658	0.002045	0.96485	0.155993
0.102784	0.02634	-0.06433	0.1652	0.037473	0.41914	0.021453	0.64379	-0.01005
0.178574	0.0001	0.24222	1.16E-07	-0.03581	0.4401	-0.06698	0.14842	-0.12893
0.278332	9.36E-10	0.166465	0.0003	0.00519	0.91094	-0.15874	0.00058	0.068135
-0.25307	2.94E-08	-0.48537	5.67E-29	-0.01168	0.80123	-0.01217	0.79302	-0.11044
-0.04278	0.35625	-0.31472	3.39E-12	-0.00587	0.89931	-0.05199	0.26215	-0.08366
0.014096	0.76126	-0.13235	0.00417	0.073149	0.11442	0.005303	0.909	0.239541
0.142195	0.00207	0.126244	0.0063	0.0031	0.94673	-0.04138	0.37228	-0.05781
-0.22694	7.20E-07	-0.19882	1.50E-05	0.103071	0.02592	0.084346	0.06859	0.110704
0.139449	0.00253	0.101798	0.02783	-0.00503	0.9137	-5.36E-05	0.99908	0.068509
0.148543	0.00128	0.072177	0.11933	0.004714	0.91907	-0.06304	0.17385	0.143452
0.20987	4.78E-06	0.315566	2.95E-12	0.053987	0.24426	0.024583	0.59618	0.027732
0.216004	2.46E-06	0.313787	3.95E-12	0.031047	0.50331	0.124064	0.00727	0.199787
0.414185	8.78E-21	0.037488	0.41896	-0.04242	0.36035	-0.12721	0.00591	0.012462
0.361293	7.59E-16	0.094638	0.04093	-0.03159	0.49586	-0.06968	0.13268	0.075899
0.352474	4.16E-15	0.252445	3.19E-08	0.006549	0.88775	-0.03468	0.45465	-0.01201
0.074951	0.10574	0.241995	1.19E-07	0.044669	0.33545	-0.0564	0.22379	0.258426
0.221499	1.34E-06	0.043675	0.34632	-0.02917	0.52941	-0.04495	0.33238	-0.10581
0.090961	0.04947	0.100028	0.03068	-0.00822	0.8594	-0.04453	0.33701	0.02744
-0.01356	0.77013	-0.01841	0.69147	0.083239	0.07232	0.102015	0.0275	0.313082
0.177292	0.00012	0.267194	4.47E-09	-0.04789	0.30169	-0.08552	0.06482	-0.03711
0.363713	4.72E-16	0.231133	4.42E-07	0.010039	0.82871	-0.06952	0.13356	-0.02759
0.28416	4.01E-10	-0.09785	0.03453	0.011025	0.81218	-0.09105	0.04926	-0.01562
0.038085	0.41158	-0.10347	0.02535	-0.008	0.86307	0.069796	0.13204	-0.10398

-0.03842	0.40742	0.057864	0.21198	-0.03404	0.46309	-0.06888	0.13721	-0.11933
0.048192	0.29869	-0.16289	0.00041	-0.01086	0.81486	-0.14422	0.00178	-0.0227
0.299883	3.69E-11	0.293013	1.07E-10	0.048648	0.29414	-0.04735	0.3072	0.021362
-0.20789	5.90E-06	0.016477	0.72249	0.012324	0.79054	0.060061	0.19511	-0.01047
-0.02091	0.65222	0.033464	0.47065	-0.06142	0.1852	-0.05345	0.24901	-0.18616
-0.03925	0.39741	-0.07066	0.12732	-0.00978	0.83303	-0.00178	0.96945	-0.19697
0.166163	0.00031	-0.0121	0.79433	0.020339	0.66109	-0.06729	0.14654	0.008599
0.144699	0.00172	0.229294	5.48E-07	0.026765	0.56398	0.023153	0.61774	0.148319
-0.09595	0.03819	0.041984	0.36533	-0.03677	0.42791	-0.01926	0.67807	-0.03499
-0.15677	0.00067	0.174896	0.00015	-0.03706	0.42426	0.071935	0.12057	-0.06011
0.269167	3.41E-09	0.291925	1.26E-10	-0.02811	0.54459	-0.09664	0.03683	-0.00248
0.00476	0.91828	-0.13947	0.00252	0.001198	0.9794	-0.01226	0.79155	0.003904
0.076722	0.09772	0.082392	0.07528	0.037481	0.41905	0.009195	0.8429	0.101446
0.004001	0.93128	-0.10026	0.0303	-0.04183	0.36712	-0.09499	0.04018	0.043004
0.090988	0.04941	-0.09932	0.03188	-0.02058	0.65734	-0.05559	0.23055	0.018705
0.19098	3.26E-05	-0.00369	0.93666	-0.03568	0.44181	-0.14319	0.00192	-0.0642
0.091205	0.04886	0.103827	0.02485	0.078381	0.09067	0.093147	0.04423	0.147154
-0.0362	0.43509	-0.39841	3.24E-19	-0.00834	0.85728	-0.09907	0.03231	-0.049
0.389002	2.54E-18	0.227465	6.78E-07	-0.01743	0.70715	-0.07878	0.08905	-0.07385
0.323895	7.23E-13	0.265521	5.63E-09	0.011343	0.80686	0.022783	0.62337	0.064502
0.046711	0.3138	-0.20532	7.72E-06	-0.01191	0.79735	-0.02639	0.5695	0.018408
0.087239	0.05959	-0.01226	0.79155	0.047153	0.30924	0.060565	0.19138	0.046385
0.214864	2.79E-06	-0.08931	0.05377	-0.03131	0.49967	-0.12226	0.00817	0.032424
0.107384	0.02028	-0.05746	0.2152	-0.00725	0.8758	-0.06768	0.14418	-0.00871
-0.01314	0.77694	0.068355	0.14023	0.049921	0.28167	0.149549	0.00119	0.063643
0.128161	0.00554	-0.02663	0.56595	0.012936	0.78039	0.003917	0.93271	0.051131
0.0742	0.10929	-0.10106	0.02899	-0.00036	0.99378	-0.0223	0.63069	0.029951
-0.00874	0.85065	-0.36666	2.63E-16	-0.02772	0.55018	-0.14358	0.00187	-0.0397
0.08089	0.08077	0.128438	0.00544	0.03409	0.46238	0.024782	0.5932	0.094727
0.324989	5.99E-13	0.051929	0.26274	-0.04251	0.3593	-0.13536	0.00338	-0.15434
-0.0973	0.03556	-0.02282	0.62278	3.55E-05	0.99939	-0.04173	0.36825	-0.11666
0.030765	0.5072	0.021195	0.64777	0.071296	0.12392	0.100112	0.03053	0.144817
0.018257	0.69393	-0.16291	0.00041	-0.03712	0.4236	-0.0847	0.06744	-0.03921
0.012918	0.78069	-0.08096	0.0805	0.028328	0.54142	0.018886	0.68396	0.04201
0.017371	0.7081	0.037829	0.41473	-0.0261	0.57374	-0.00235	0.95966	0.077538
0.032723	0.48053	-0.01596	0.73091	-0.06789	0.14296	-0.01298	0.77974	-0.09434
0.181315	8.13E-05	0.27808	9.70E-10	-0.01255	0.78674	0.007645	0.86912	-0.11252
-0.16935	0.00024	-0.01774	0.70212	0.087572	0.05862	0.212239	3.71E-06	0.241992
0.148406	0.0013	0.089594	0.05301	-0.0051	0.91251	-0.02848	0.53923	-0.0467
0.262322	8.68E-09	0.181259	8.17E-05	-0.00415	0.92871	-0.05186	0.26341	0.08994
0.194378	2.34E-05	0.262655	8.30E-09	0.010305	0.82424	0.027231	0.55721	0.206395
0.200551	1.26E-05	-0.10278	0.02634	0.028804	0.53466	0.053794	0.24595	0.067291
0.1058	0.02222	-0.01418	0.7599	-0.00075	0.98707	-0.03272	0.48062	-0.09347
0.160329	0.00051	-0.01607	0.72906	0.015457	0.73903	0.042693	0.35729	0.039064
0.2902	1.63E-10	0.166355	0.00031	0.01501	0.7463	0.081671	0.07788	-0.02135



0.155138	0.00077	-0.12362	0.00748	-0.00795	0.86399	-0.07691	0.09689	0.066065
0.166199	0.00031	0.021553	0.64224	-0.03496	0.45098	-0.12501	0.00683	0.019104
0.333766	1.29E-13	0.311485	5.77E-12	-0.00032	0.99443	-0.03703	0.42462	0.020354
0.067974	0.14246	-0.20604	7.16E-06	-0.00503	0.91368	-0.05109	0.27058	-0.21293
0.192438	2.83E-05	0.179651	9.47E-05	-0.01241	0.78905	-0.07409	0.10982	0.049752
-0.09464	0.04092	0.232572	3.73E-07	-0.0355	0.44402	0.00136	0.97661	-0.15437
0.13897	0.00261	0.229612	5.28E-07	0.09381	0.04274	0.184632	5.97E-05	0.232955
0.130748	0.00465	-0.07673	0.09771	-0.0165	0.72219	-0.0619	0.18179	0.082348
0.210174	4.63E-06	0.034536	0.45655	0.022787	0.6233	-0.02341	0.61385	0.022699
0.107126	0.02059	-0.03367	0.46787	0.044127	0.34135	0.144477	0.00175	-0.00816
-0.09827	0.03375	-0.1184	0.01044	-0.00182	0.96867	0.028181	0.54353	0.098652
0.164575	0.00036	-0.00813	0.86095	0.006845	0.88271	-0.04599	0.32132	-0.00423
0.075199	0.10459	0.027703	0.55038	0.046256	0.31855	0.054373	0.24091	0.159002
0.432644	1.00E-22	0.084183	0.06913	0.032894	0.47824	-0.08636	0.06222	0.102137
0.343702	2.15E-14	0.386355	4.49E-18	0.031568	0.49616	0.043805	0.34488	0.144912
0.009135	0.84392	-0.18608	5.22E-05	-0.00976	0.83347	-0.05552	0.23113	-0.11132
0.026189	0.57239	0.248959	4.99E-08	0.024484	0.59766	0.071871	0.12091	0.041677
-0.07223	0.11908	-0.22789	6.45E-07	-0.01221	0.7924	0.035532	0.44366	-0.07863
0.124555	0.00704	-0.11758	0.01099	-0.0337	0.4675	-0.00198	0.9659	-0.22626
0.071225	0.12429	0.100117	0.03053	0.131757	0.00434	0.119284	0.00988	0.387188
-0.05549	0.23133	-0.27659	1.20E-09	-0.00454	0.92209	-0.08341	0.07173	-0.0295
0.118871	0.01014	0.105454	0.02266	-0.03176	0.49361	0.005281	0.90938	-0.13452
0.118173	0.01059	0.025875	0.57701	0.00399	0.93147	-0.07268	0.11679	0.049531
0.117057	0.01136	-0.04387	0.34415	0.009138	0.84387	0.00703	0.87957	0.048159
0.1865	5.01E-05	0.296022	6.72E-11	0.039878	0.38989	0.051373	0.26789	0.178528
0.081537	0.07837	0.212864	3.47E-06	-0.02964	0.5229	0.009207	0.8427	-0.0669
0.016443	0.72303	-0.20992	4.75E-06	0.012132	0.79372	-0.01682	0.71689	-0.00762
-0.02527	0.58601	0.032084	0.48915	-0.01708	0.71274	0.013863	0.7651	0.015572
0.23791	1.97E-07	0.059269	0.20107	-0.01296	0.78007	-0.03846	0.40695	0.044207
0.191398	3.13E-05	-0.14595	0.00156	0.002213	0.96196	-0.09605	0.038	-0.05248
0.058222	0.20916	-0.33425	1.19E-13	-0.03782	0.41485	-0.14845	0.00129	-0.02031
0.159976	0.00052	0.104669	0.02369	-0.06874	0.13798	-0.20203	1.08E-05	-0.14895
0.001786	0.9693	-0.19598	2.00E-05	0.011114	0.81069	-0.01611	0.72842	0.086899
0.132679	0.00408	0.116646	0.01165	0.00042	0.99279	-0.02825	0.5425	0.068506
0.184848	5.86E-05	0.192024	2.95E-05	-0.02248	0.628	-0.12224	0.00818	0.026942
0.245584	7.64E-08	0.265938	5.31E-09	-0.01526	0.74219	-0.01408	0.76151	0.072768
0.100108	0.03054	-0.1868	4.87E-05	-0.0173	0.70921	-0.14315	0.00193	-0.03662
-0.03577	0.44066	-0.35361	3.35E-15	-0.00258	0.95573	-0.06318	0.17287	0.016757
0.057633	0.21381	-0.11141	0.01601	-0.07024	0.12962	-0.10833	0.0192	-0.1364
0.141412	0.00219	0.131786	0.00433	0.009878	0.83141	0.043016	0.35366	0.114838
0.146057	0.00155	-0.07341	0.11311	-0.00092	0.98415	0.020783	0.65418	0.064946
0.297453	5.39E-11	0.244427	8.83E-08	-0.00483	0.91706	-0.05188	0.2632	0.009792
0.250852	3.92E-08	0.539442	1.29E-36	0.059788	0.19715	0.169241	0.00024	0.187236
0.38455	6.60E-18	0.155317	0.00076	-0.01196	0.79655	0.001037	0.98216	0.041727
0.228936	5.71E-07	0.258881	1.37E-08	0.045776	0.32359	0.051994	0.26214	0.205479

0.122821	0.00788	-0.00477	0.9182	0.003614	0.93792	-0.04956	0.28513	0.053707
0.181943	7.67E-05	0.138431	0.00272	0.030124	0.51609	0.034301	0.45961	0.135624
0.373188	7.03E-17	0.054447	0.24026	0.011623	0.8022	-0.07054	0.12794	0.05996
0.549519	3.36E-38	0.150382	0.00112	-0.0062	0.89369	-0.01294	0.78025	0.029652
-0.01223	0.79217	0.06014	0.19452	0.058819	0.20452	0.079932	0.08444	0.151681
0.092684	0.0453	-0.03683	0.42711	0.010398	0.82267	-0.00587	0.89935	-0.02199
0.207852	5.92E-06	0.10196	0.02758	0.023342	0.61486	-0.02758	0.55211	0.083835
-0.02383	0.60743	-0.21962	1.65E-06	0.059562	0.19885	0.004928	0.91542	0.197905
0.168388	0.00026	-0.17934	9.75E-05	-0.01508	0.74518	-0.14991	0.00116	0.031173
0.254849	2.34E-08	0.280857	6.50E-10	0.043475	0.34854	0.062488	0.17763	0.008266
0.305292	1.57E-11	0.023942	0.60579	-0.03723	0.42211	-0.26137	9.86E-09	-0.22888
-0.11093	0.01647	0.094977	0.04021	-0.00518	0.91114	0.06137	0.18553	-0.00332
0.105397	0.02273	0.045595	0.32552	0.047393	0.30678	0.001946	0.96655	0.132041
0.159312	0.00055	0.151925	0.00099	0.039985	0.38863	0.018217	0.69458	0.071983
0.340198	4.07E-14	0.106918	0.02084	-0.00622	0.89341	-0.05463	0.2387	-0.1049
0.582261	9.86E-44	0.151139	0.00105	7.71E-05	0.99867	-0.08159	0.07816	-0.00851
-0.07719	0.09569	-0.10515	0.02306	0.117588	0.01099	0.070046	0.13066	0.176189
-0.00985	0.83188	-0.3361	8.53E-14	0.067604	0.14465	0.048035	0.30027	0.238894
0.081177	0.0797	0.150337	0.00112	0.067415	0.14578	0.163255	0.0004	0.169978
-0.08397	0.06985	-0.20536	7.68E-06	-0.00152	0.97386	0.017305	0.70915	-0.01102
-0.08425	0.0689	-0.3106	6.66E-12	-0.03027	0.514	-0.08781	0.05792	-0.1884
0.187119	4.72E-05	-0.08738	0.05917	0.050051	0.28041	0.082119	0.07625	0.144031
-0.17143	0.0002	-0.22382	1.03E-06	-0.05948	0.19945	-0.08079	0.08114	-0.14101
0.023977	0.60528	-0.12718	0.00592	-0.05377	0.24621	-0.05822	0.20919	-0.05844
0.273558	1.85E-09	0.088367	0.05636	0.010437	0.82202	0.007643	0.86916	0.044969
-0.13917	0.00258	-0.16475	0.00035	0.056785	0.22064	0.072505	0.11765	0.209306
-0.06371	0.1693	-0.33672	7.64E-14	-0.00348	0.94013	-0.07497	0.10567	-0.04747
0.108585	0.01892	-0.00984	0.83211	-0.00157	0.97306	-0.05391	0.24494	0.04986
0.267711	4.17E-09	0.271949	2.31E-09	0.01383	0.76564	-0.01196	0.79655	-0.01012
0.298734	4.41E-11	-0.03664	0.42958	-0.06021	0.19398	-0.21732	2.13E-06	-0.05365
0.035675	0.44182	-0.28065	6.69E-10	-0.0195	0.67419	-0.15373	0.00086	-0.03325
0.167855	0.00027	-0.07708	0.09617	-0.02873	0.53576	-0.06679	0.14957	0.029844
0.128062	0.00558	0.033508	0.47007	0.055814	0.22864	0.023132	0.61806	0.252101
0.190093	3.55E-05	0.060437	0.19232	0.023013	0.61985	-0.04138	0.37232	0.169434
0.23348	3.35E-07	-0.04077	0.37942	0.014972	0.74693	-0.05242	0.25821	-0.05334
0.078281	0.09108	-0.07777	0.09323	-0.03163	0.49526	-0.03358	0.46909	0.019929
0.05265	0.25616	-0.07475	0.10668	0.002907	0.95004	-0.00852	0.85426	-0.09649
0.15189	0.00099	0.051926	0.26277	0.026371	0.56972	0.00849	0.8548	0.014426
-0.03404	0.46303	-0.07152	0.12275	0.023475	0.61284	0.063888	0.1681	0.122493
0.196918	1.82E-05	-0.071	0.1255	-0.03031	0.51345	-0.06134	0.18573	-0.09016
-0.18427	6.18E-05	-0.19447	2.32E-05	0.04819	0.29871	0.114215	0.01352	0.247403
0.076823	0.09728	0.001468	0.97476	0.021129	0.6488	0.043573	0.34745	0.12627
0.119506	0.00974	0.007012	0.87988	0.008932	0.84735	-0.01587	0.73227	0.035545
0.022777	0.62346	-0.02643	0.56891	0.03148	0.49736	-0.03735	0.42062	0.109509
0.231284	4.34E-07	0.079625	0.08565	0.027102	0.55908	0.003248	0.94418	0.081981

0.075629	0.10261	0.172959	0.00017	0.062991	0.17416	0.188838	4.01E-05	0.093376
0.126352	0.00625	-0.06282	0.17533	-0.04831	0.29748	-0.11129	0.01613	-0.12232
0.231026	4.47E-07	0.291861	1.27E-10	0.071334	0.12371	-0.03428	0.45993	0.248513
0.151026	0.00106	0.01696	0.7147	0.012854	0.78175	0.004518	0.92243	0.034873
-0.06852	0.13928	0.156534	0.00069	0.0073	0.87498	0.060706	0.19034	0.063081
0.082069	0.07644	0.043961	0.34318	0.003576	0.93857	-0.01831	0.69314	-0.06651
0.151195	0.00105	-0.123	0.00779	0.064697	0.16277	-0.01921	0.67889	0.086341
0.306737	1.25E-11	0.345355	1.58E-14	0.024871	0.59189	0.003546	0.93908	0.006045
-0.24883	5.07E-08	-0.11208	0.01538	0.045326	0.32838	0.040763	0.37945	0.174023
0.028584	0.53777	-0.01327	0.77483	0.005351	0.90818	-0.03838	0.40799	0.034344
-0.01851	0.68998	-0.23416	3.09E-07	0.023626	0.61057	-0.02748	0.55355	-0.02059
0.090193	0.05143	-0.13204	0.00426	0.008704	0.85119	-0.09929	0.03193	0.023672
-0.04851	0.29552	-0.22062	1.48E-06	0.031451	0.49777	-0.00801	0.86301	0.085561
0.077423	0.09469	-0.09503	0.04009	0.004146	0.92879	-0.03311	0.47536	0.007961
0.167975	0.00027	-0.12353	0.00753	-0.0591	0.20235	-0.15915	0.00056	-0.02363
0.209039	5.22E-06	0.190242	3.50E-05	-0.05749	0.21494	-0.08022	0.08332	-0.22061
0.055744	0.22923	0.05363	0.24741	-0.02997	0.51824	0.00129	0.97782	-0.08668
-0.08663	0.06139	-0.18012	9.08E-05	-0.04731	0.30759	-0.11114	0.01627	-0.0279
0.167009	0.00029	-0.06305	0.17376	0.000449	0.99228	-0.07065	0.12735	0.014302
0.208601	5.47E-06	0.134854	0.0035	-0.02885	0.53403	-0.15693	0.00067	-0.01184
0.218495	1.87E-06	0.204209	8.66E-06	-0.03594	0.43837	-0.0784	0.09058	-0.0206
0.087393	0.05914	0.117957	0.01074	0.055743	0.22924	0.151785	0.001	0.109321
0.093194	0.04412	0.332356	1.66E-13	-0.0365	0.43139	-0.0381	0.41141	0.009112
-0.02694	0.56145	0.009216	0.84255	0.000556	0.99043	-0.00126	0.97839	0.096303
0.113072	0.01449	0.059813	0.19696	0.051581	0.26595	0.091936	0.04707	0.054354
-0.1507	0.00109	-0.22597	8.05E-07	0.164702	0.00035	0.181224	8.20E-05	0.438091
0.13986	0.00245	0.185113	5.71E-05	-0.00401	0.93115	-0.02889	0.53342	-0.03255
0.024814	0.59274	0.206436	6.87E-06	-0.00085	0.98546	0.07197	0.12039	0.013283
0.079594	0.08577	0.279696	7.69E-10	0.076993	0.09654	0.120937	0.00889	0.247363
0.077946	0.09248	-0.00916	0.84353	-0.01476	0.75044	-0.06868	0.13833	0.0613
-0.22857	5.96E-07	-0.12219	0.00821	-0.03411	0.46217	0.002786	0.95212	-0.03781
0.157742	0.00062	0.171802	0.00019	0.05995	0.19593	0.10498	0.02328	0.148748
0.325773	5.24E-13	0.096021	0.03806	-0.02385	0.60712	-0.16607	0.00031	-0.08616
0.156817	0.00067	-0.03068	0.50841	-0.00681	0.8833	-0.03468	0.45467	-0.06196
0.191623	3.06E-05	0.211219	4.14E-06	0.00322	0.94467	-0.0957	0.03871	0.026234
-0.03658	0.43036	-0.07306	0.11486	0.024555	0.5966	0.127986	0.00561	-0.05713
0.118394	0.01045	-0.05832	0.20836	-0.02641	0.56917	-0.14278	0.00198	-0.09544
0.150128	0.00114	-0.04418	0.34073	0.018589	0.68866	-0.03902	0.40022	0.12907
0.044009	0.34265	-0.0657	0.15632	-0.00038	0.99339	-0.04102	0.37644	0.067993
0.457942	1.38E-25	0.088906	0.05487	0.008694	0.85136	-0.04747	0.30601	0.039599
-0.15698	0.00066	-0.32198	1.00E-12	0.012492	0.78774	-0.00683	0.88297	-0.03599
0.177595	0.00011	0.177006	0.00012	0.015569	0.7372	0.064636	0.16316	0.202665
0.129116	0.0052	0.053402	0.24942	-0.00882	0.84921	-0.07954	0.08596	0.091893
0.047161	0.30916	-0.02337	0.61445	-0.01438	0.75662	-0.06778	0.14362	-0.01399
0.155333	0.00076	-0.18984	3.64E-05	0.028138	0.54415	-0.04082	0.37877	0.019039

0.152028	0.00098	-0.10035	0.03013	-0.02811	0.54449	-0.09256	0.04558	-0.14556
-0.08493	0.06669	-0.20811	5.76E-06	0.028083	0.54493	0.042002	0.36512	0.01292
0.209999	4.71E-06	0.2692	3.39E-09	0.047588	0.30479	0.034171	0.46132	0.217746
0.263513	7.39E-09	0.146042	0.00155	-0.01237	0.78979	-0.00849	0.85487	-0.10436
0.064424	0.16455	0.101162	0.02882	0.001696	0.97084	-0.0732	0.11416	-0.01855
0.028737	0.53561	-0.19195	2.97E-05	0.00258	0.95565	-0.03766	0.41687	0.026406
0.349744	6.97E-15	0.238123	1.92E-07	-0.02107	0.64975	-0.15101	0.00106	-0.14139
0.005159	0.91146	-0.16747	0.00028	0.057342	0.21613	0.090904	0.04962	0.148028
0.096859	0.0364	-0.03307	0.47587	0.022395	0.62929	-0.02912	0.53022	0.0821
0.228903	5.74E-07	0.212792	3.49E-06	-0.00298	0.94878	-0.07204	0.12004	0.004045
0.031119	0.50232	-0.20318	9.64E-06	-0.00674	0.88449	-0.03202	0.49005	0.05367
0.072821	0.11606	0.163719	0.00038	0.028816	0.53448	-0.01314	0.77694	0.092876
0.30612	1.37E-11	0.224917	9.08E-07	-0.01606	0.72916	-0.09816	0.03394	0.034628
0.108827	0.01865	0.185449	5.53E-05	-0.01549	0.73842	-0.09592	0.03826	0.027584
0.22664	7.45E-07	0.064169	0.16623	-0.03125	0.50051	-0.07931	0.08688	-0.07477
-0.00134	0.97702	-0.13577	0.00329	0.007889	0.86499	0.019033	0.68164	0.038448
0.085046	0.06632	0.229091	5.61E-07	0.027546	0.55265	0.101157	0.02883	0.048867
-0.09621	0.03768	0.016253	0.7261	-0.00507	0.91292	0.111825	0.01562	-0.13988
0.156727	0.00068	-0.07196	0.12043	-0.04399	0.3428	-0.10192	0.02764	-0.07355
0.150208	0.00113	-0.06362	0.16991	0.009384	0.83972	-0.0539	0.24499	0.013414
0.203771	9.06E-06	0.015858	0.7325	-0.00582	0.90023	-0.0649	0.16146	0.056408
0.052798	0.25482	-0.14388	0.00183	0.002132	0.96335	-0.02072	0.65521	0.016726
0.184251	6.19E-05	0.118167	0.0106	0.043962	0.34316	0.055528	0.23104	0.14823
0.117399	0.01112	-0.00443	0.92389	-0.04155	0.3703	-0.12339	0.00759	-0.07827
0.074401	0.10833	-0.08373	0.07066	-0.03296	0.47736	-0.04667	0.31423	-0.06727
-0.06414	0.16645	0.071492	0.12288	-0.03023	0.51465	0.111411	0.01601	-0.00811
0.073866	0.1109	-0.1141	0.01362	-0.00424	0.92719	-0.05325	0.25075	-0.07893
0.192427	2.83E-05	-0.03689	0.42637	-0.01894	0.68311	-0.12502	0.00683	0.001495
0.053879	0.24521	-0.10865	0.01885	-0.06232	0.17878	-0.14713	0.00143	-0.03621
0.421586	1.51E-21	0.362346	6.18E-16	0.046502	0.31597	0.054698	0.2381	0.090607
0.217552	2.08E-06	-0.06222	0.17952	-0.02237	0.62971	-0.11028	0.01713	-0.06727
0.003675	0.93686	0.090711	0.05011	-0.05971	0.19776	-0.00597	0.89767	0.002037
0.095807	0.03849	-0.21419	3.00E-06	-0.05556	0.23075	-0.2104	4.52E-06	-0.11816
-0.0638	0.16868	0.211889	3.85E-06	-0.03757	0.41789	-0.00812	0.86111	-0.03456
0.284043	4.08E-10	0.106158	0.02177	0.000991	0.98295	-0.08871	0.0554	0.024526
0.096391	0.03732	-0.13126	0.00449	-0.01516	0.74384	-0.06733	0.14629	-0.076
0.352848	3.88E-15	-0.03048	0.51118	0.070375	0.12886	0.024407	0.59881	0.179317
0.113608	0.01403	0.139434	0.00253	-0.01217	0.79315	0.023942	0.6058	-0.00507
0.290716	1.51E-10	0.068879	0.13721	0.012946	0.78022	-0.04095	0.37728	0.134763
0.071202	0.12441	0.087682	0.05831	-0.06762	0.14456	-0.11314	0.01443	-0.00761
0.120393	0.00921	0.004284	0.92644	-0.00676	0.88414	0.0536	0.24767	-0.03307
0.132732	0.00406	0.36671	2.60E-16	0.009494	0.83786	0.009441	0.83876	0.056859
-0.27043	2.86E-09	-0.30826	9.74E-12	-0.09033	0.05109	-0.13329	0.00391	-0.21745
0.14573	0.00159	0.225493	8.50E-07	-0.05827	0.20881	-0.05504	0.23516	-0.00424
-0.06216	0.17994	0.224272	9.78E-07	-0.00504	0.91342	0.000912	0.98432	0.00236

-0.08023	0.08328	-0.00953	0.83721	-0.01227	0.79149	-0.02781	0.54882	-0.05193
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0.056375	0.22399	-0.08082	0.08103	0.065326	0.15871	0.017768	0.70174	0.26975
0.408142	3.58E-20	0.222061	1.26E-06	0.04891	0.29154	0.040833	0.37863	0.17827
0.011849	0.79844	-0.21376	3.15E-06	-0.05533	0.23272	-0.12382	0.00739	-0.12643
0.045645	0.32499	0.019169	0.67947	0.005071	0.91297	-0.01552	0.73795	-0.0446
-0.29348	9.92E-11	-0.1837	6.52E-05	0.109655	0.01777	0.33738	6.78E-14	0.151458
-0.27252	2.14E-09	-0.16287	0.00041	0.087307	0.05939	0.238547	1.82E-07	0.07576
0.10344	0.02539	-0.06356	0.1703	-0.0116	0.80261	-0.0159	0.73187	-0.02603
0.226557	7.53E-07	-0.02209	0.634	-0.04014	0.38675	-0.07899	0.08816	-0.08328
0.095694	0.03872	-0.12721	0.00591	-0.02747	0.55372	-0.12202	0.0083	-0.06953
0.170776	0.00021	-0.07588	0.10149	0.026827	0.56308	0.030034	0.51735	0.157776
0.16894	0.00024	0.108761	0.01872	0.014127	0.76076	0.042176	0.36315	0.078211
0.131785	0.00433	0.05461	0.23886	-0.01385	0.76527	-0.13278	0.00405	0.043263
0.035467	0.44449	-0.25522	2.23E-08	-0.05332	0.25015	-0.15394	0.00084	-0.13694
0.185344	5.59E-05	0.045309	0.32856	0.056353	0.22417	0.031635	0.49525	0.111779
0.195339	2.13E-05	0.494902	3.18E-30	0.007316	0.87472	0.115466	0.01253	0.065108
0.109128	0.01832	-0.18342	6.69E-05	0.00746	0.87227	-0.06013	0.19461	-0.00425
-0.07875	0.08914	0.032869	0.47857	0.090255	0.05128	0.276216	1.27E-09	0.091174
0.04947	0.28604	-0.1356	0.00332	-0.03563	0.44244	-0.06042	0.19243	0.022266
0.366785	2.56E-16	0.127833	0.00567	0.041132	0.37515	-0.03508	0.44949	0.182548
0.253242	2.88E-08	0.25573	2.08E-08	0.008265	0.85863	-0.05167	0.26516	0.129299
0.237833	1.99E-07	0.310391	6.90E-12	0.039914	0.38947	0.049131	0.28936	-0.00247
0.104942	0.02333	-0.12314	0.00772	-0.03353	0.46983	-0.1102	0.01721	-0.08239
0.192959	2.69E-05	0.332589	1.59E-13	0.021847	0.63771	-0.1623	0.00043	0.080904
0.176422	0.00013	-0.00017	0.99711	0.037098	0.42381	-0.00276	0.95257	0.089823
0.302595	2.41E-11	-0.00247	0.95759	-0.018	0.69809	-0.08299	0.07318	-0.01772
0.101491	0.02831	0.311919	5.37E-12	0.003069	0.94727	0.018765	0.68587	-0.00174
0.28142	5.99E-10	0.215702	2.55E-06	0.029152	0.52973	0.018609	0.68834	0.019396
-0.07619	0.10008	-0.37391	6.06E-17	-0.01992	0.6677	0.003666	0.93702	-0.07286
0.020792	0.65403	0.247903	5.70E-08	0.032765	0.47997	0.059414	0.19997	0.087121
-0.1767	0.00012	-0.02696	0.56115	-0.02397	0.60542	-0.04372	0.34582	-0.01055
0.260277	1.14E-08	0.219941	1.59E-06	-0.03325	0.47354	-0.07052	0.12804	-0.01898
0.062599	0.17687	-0.06352	0.17057	0.056885	0.21983	0.055676	0.2298	0.1107
0.125748	0.00651	-0.09746	0.03525	-0.02795	0.54679	-0.14035	0.00237	-0.04388
0.088176	0.0569	0.052255	0.25975	-0.01241	0.7891	-0.04233	0.36143	0.042755
0.171691	0.00019	0.097503	0.03517	-0.02555	0.58186	-0.11764	0.01095	0.082296
0.093504	0.04342	-0.05347	0.2488	-0.008	0.86318	-0.09262	0.04545	0.014879
0.053606	0.24761	-0.0391	0.39926	-0.02327	0.61602	-0.07605	0.10072	-0.0598
0.219286	1.71E-06	0.421934	1.39E-21	0.025041	0.58935	0.051253	0.26901	0.236886
0.216689	2.29E-06	0.094115	0.04206	-0.01367	0.76825	-0.1046	0.02378	0.053649
-0.0003	0.99476	-0.17594	0.00013	0.068186	0.14121	-0.0038	0.9348	0.142826
0.208222	5.69E-06	0.107318	0.02036	-0.01181	0.79908	0.010122	0.82731	0.022899
-0.02892	0.53296	-0.04492	0.33275	-0.00351	0.93966	0.06555	0.15728	-0.07625
0.140551	0.00233	0.111175	0.01624	0.047937	0.30126	0.019337	0.67682	0.141616

-0.04793	0.30129	-0.16966	0.00023	-0.01195	0.79676	0.010572	0.81975	-0.17391
-0.06308	0.17357	-0.17134	0.0002	-0.02838	0.54071	0.046427	0.31675	-0.13736
0.141903	0.00211	0.166047	0.00031	-0.02906	0.53101	-0.04853	0.29526	-0.04767
0.490669	1.16E-29	0.181138	8.27E-05	-0.01776	0.7018	-0.10462	0.02376	0.026119
0.131366	0.00446	0.01983	0.66907	-0.05036	0.27749	-0.13417	0.00368	-0.08649
0.132556	0.00411	-0.11074	0.01666	0.012768	0.78317	-0.05349	0.24864	0.068909
0.079733	0.08522	-0.01979	0.66966	0.004383	0.92474	-0.00776	0.86725	0.00087
0.083062	0.07293	-0.11774	0.01088	-0.00694	0.88116	-0.12456	0.00704	0.053496
0.161168	0.00047	-0.00558	0.90422	0.048563	0.29498	0.065472	0.15778	0.063962
0.163825	0.00038	0.004611	0.92084	-0.00883	0.84913	0.032124	0.4886	-0.0127
0.319508	1.52E-12	0.460572	6.72E-26	0.003126	0.94628	-0.01095	0.81349	0.025336
-0.17623	0.00013	-0.12168	0.00848	-0.04712	0.30957	-0.01898	0.68244	-0.13038
-0.21294	3.44E-06	-0.03057	0.50993	-0.04863	0.29436	-0.00227	0.96094	-0.10156
0.202014	1.09E-05	0.230077	5.00E-07	0.042415	0.36043	0.000405	0.99303	0.232325
0.208403	5.59E-06	0.067043	0.14802	-0.00754	0.87099	-0.05375	0.24635	0.081938
0.147608	0.00138	0.051272	0.26883	-0.00614	0.89473	-0.05539	0.23223	0.01702
0.203833	9.01E-06	0.306915	1.21E-11	0.069267	0.135	0.055166	0.2341	0.26675
0.032324	0.4859	-0.043	0.35385	0.078937	0.08839	0.148984	0.00124	0.305309
0.163653	0.00038	0.174757	0.00015	0.048153	0.29908	0.187021	4.77E-05	0.039768
0.06171	0.1831	-0.1784	0.00011	-0.00629	0.89214	-0.06791	0.14284	-0.03243
0.113053	0.01451	0.438242	2.45E-23	0.014699	0.75139	0.015937	0.73122	0.105942
0.025404	0.58397	-0.10852	0.01898	0.007914	0.86456	0.016794	0.71738	0.045642
-0.1888	4.02E-05	-0.04632	0.31792	0.023039	0.61946	0.043534	0.34788	0.188262
0.033778	0.46649	0.228204	6.22E-07	0.022972	0.62048	0.067632	0.14448	0.066608
0.136276	0.00317	-0.04334	0.35	-0.01353	0.7706	-0.12171	0.00847	0.006887
0.144029	0.00181	-0.01179	0.79938	0.041998	0.36517	-0.01911	0.68037	0.102949
0.211831	3.88E-06	0.064906	0.16141	0.021277	0.64651	-0.12886	0.00529	-0.04104
0.278753	8.81E-10	0.252174	3.31E-08	0.008489	0.85483	-0.03046	0.51147	-0.05047
-0.09092	0.04957	-0.03447	0.4574	-0.01329	0.77446	0.056868	0.21996	-0.0349
0.036752	0.42816	0.005905	0.89872	0.020973	0.65123	-0.0379	0.41386	0.070032
0.037333	0.42089	0.039141	0.39872	-0.00332	0.94296	0.033999	0.46358	0.028478
0.254721	2.38E-08	0.037974	0.41295	0.006444	0.88955	-0.07122	0.1243	-0.06488
0.220407	1.51E-06	-0.03086	0.50583	-0.01953	0.67374	-0.11023	0.01717	0.033819
0.001929	0.96684	0.016181	0.72727	-0.03797	0.41305	-0.05035	0.27754	-0.14995
-0.04585	0.32279	0.221415	1.35E-06	-0.0345	0.45696	0.098505	0.03332	-0.00579
0.014956	0.74718	0.313561	4.10E-12	-0.04443	0.33806	0.052529	0.25726	-0.16112
0.117275	0.0112	-0.08419	0.06911	-0.00467	0.9198	-0.01138	0.80632	-0.06581
-0.02079	0.65401	-0.09598	0.03814	-0.01807	0.69684	-0.02457	0.59637	-0.02958
0.014386	0.75651	-0.08585	0.06379	0.005782	0.90082	-0.02981	0.52042	0.097039
0.075533	0.10305	0.157003	0.00066	-0.00261	0.95514	0.026115	0.57348	0.044074
0.087169	0.0598	-0.00601	0.89689	0.003757	0.93547	-0.01524	0.74252	-0.01784
0.057514	0.21476	-0.00113	0.98061	-0.00957	0.8366	0.007028	0.8796	-0.07068
0.224121	9.95E-07	0.069415	0.13417	0.055954	0.22748	0.0471	0.30979	0.058043
-0.01269	0.78454	-0.09617	0.03776	0.025853	0.57733	0.02677	0.5639	0.074756
0.130572	0.00471	-0.07099	0.12555	-0.03868	0.40435	-0.17449	0.00015	-0.07402

-0.19017	3.53E-05	-0.00371	0.93629	-0.00811	0.86132	0.055565	0.23073	0.039429
-0.04161	0.3696	-0.04922	0.28852	0.011411	0.80573	-0.05086	0.27269	-0.01364
-0.13239	0.00416	-0.45714	1.71E-25	-0.01771	0.70273	-0.07294	0.11546	-0.10494
0.052232	0.25996	-0.13627	0.00317	0.019856	0.66867	-0.01891	0.6835	0.043203
0.302714	2.36E-11	-0.03996	0.38887	-0.02032	0.66145	-0.05951	0.19926	-0.11192
0.357635	1.55E-15	0.260249	1.15E-08	0.055407	0.23207	-0.05737	0.21588	0.133548
0.012311	0.79075	0.397884	3.64E-19	0.023368	0.61447	0.112984	0.01457	0.062559
0.112095	0.01537	-0.18148	8.01E-05	-0.06942	0.13414	-0.19682	1.84E-05	-0.06068
0.273537	1.85E-09	-0.12326	0.00766	-0.02331	0.61535	-0.12341	0.00759	-0.02976
0.217919	2.00E-06	0.115749	0.01231	-0.00274	0.95294	-0.03327	0.47326	0.044877
-0.00344	0.94094	-0.24946	4.68E-08	-0.0112	0.80931	-0.04296	0.35423	0.026229
0.174579	0.00015	0.038537	0.40605	-0.01468	0.75176	-0.03745	0.41948	0.026746
0.052051	0.26162	-0.15234	0.00096	0.035966	0.43811	-0.04115	0.37492	0.083536
0.079585	0.0858	0.125888	0.00645	-0.024	0.60499	-0.02682	0.56322	-0.0681
0.068326	0.1404	-0.21535	2.65E-06	0.019013	0.68195	-0.11322	0.01437	0.029157
0.353367	3.51E-15	0.158813	0.00057	0.038704	0.40401	0.033433	0.47106	0.101936
0.020938	0.65176	-0.10746	0.02019	-0.0079	0.86483	-0.00769	0.86828	-0.00345
0.154782	0.00079	-0.02409	0.60356	-0.03067	0.50846	-0.0741	0.10978	-0.01614
0.203985	8.87E-06	-0.0384	0.40768	-0.00988	0.83141	-0.04302	0.3536	-0.03
-0.18166	7.88E-05	0.020869	0.65285	0.032297	0.48626	0.058882	0.20403	0.062555
0.092163	0.04653	0.028731	0.53569	0.020061	0.66545	-0.01337	0.77322	0.165067
0.408162	3.56E-20	0.102423	0.02688	-0.0077	0.86816	-0.10023	0.03035	0.064894
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0.408768	3.10E-20	0.262446	8.53E-09	-0.02458	0.5962	-0.10366	0.02509	0.066904
0.303449	2.10E-11	0.152251	0.00096	-0.01579	0.73359	-0.00624	0.89294	-0.06514
0.305527	1.51E-11	0.026289	0.57093	0.008943	0.84715	-0.01843	0.69124	-0.01577
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0.073686	0.11177	0.164064	0.00037	0.014662	0.75198	-0.01514	0.74413	0.015581
0.065687	0.15642	-0.07865	0.08955	0.025177	0.58734	-0.00142	0.97561	0.10443
0.233385	3.39E-07	0.347078	1.15E-14	0.003425	0.94116	-0.00786	0.86549	-0.00656
0.172485	0.00018	0.300369	3.42E-11	0.106803	0.02097	0.144264	0.00177	0.193857
0.154809	0.00079	-0.02633	0.57028	-0.01562	0.73629	0.023309	0.61537	0.018041
0.096325	0.03745	-0.08163	0.07802	0.085279	0.06558	0.069198	0.13539	0.122966
0.061899	0.18177	-0.15103	0.00106	-0.03431	0.45946	-0.1061	0.02184	0.017906
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0.099221	0.03206	-0.01431	0.7577	0.038417	0.40752	0.097709	0.03478	0.024901
0.087476	0.0589	-0.38982	2.13E-18	-0.07445	0.10811	-0.25207	3.35E-08	-0.23158
0.224679	9.33E-07	0.263639	7.27E-09	-0.0011	0.98117	0.022751	0.62386	0.047744
0.169704	0.00023	-0.03311	0.47529	-0.01256	0.78667	-0.04353	0.34792	0.058229
0.075543	0.103	0.023808	0.60782	-0.00483	0.91714	-0.03703	0.42471	-0.01017
0.048954	0.29111	0.176035	0.00013	-0.00671	0.88501	-0.01449	0.75476	7.96E-05
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0.14367	0.00185	-0.07589	0.10142	-0.00073	0.98752	-0.07426	0.10901	0.067501
0.337381	6.78E-14	0.13544	0.00336	-0.01669	0.71901	-0.01373	0.76729	0.080671

0.176776	0.00012	0.210026	4.70E-06	0.097537	0.0351	0.127194	0.00591	0.116545
0.086352	0.06224	-0.05692	0.21955	-0.02528	0.58577	-0.10054	0.02982	-0.08797
0.007473	0.87205	-0.12049	0.00915	0.008977	0.84658	-0.00918	0.84319	-0.02036
0.13547	0.00335	-0.09396	0.04241	0.010859	0.81496	-0.11387	0.01381	0.112414
0.065985	0.15454	-0.17205	0.00019	-0.01063	0.81886	-0.07994	0.08441	-0.01574
0.191334	3.15E-05	-0.12562	0.00656	-0.02254	0.62708	-0.13846	0.00271	-0.06756
0.251443	3.63E-08	0.492999	5.70E-30	0.01659	0.72066	0.07161	0.12226	0.091119
0.117362	0.01114	-0.0758	0.10186	-0.00206	0.96451	-0.06666	0.15033	-0.03345
0.015814	0.73322	-0.12594	0.00643	-0.00855	0.85379	0.014185	0.75981	-0.037
0.219502	1.67E-06	0.272696	2.08E-09	0.03784	0.4146	0.131544	0.00441	0.074251
0.163906	0.00038	0.093653	0.04309	0.019019	0.68185	-0.02772	0.55015	0.037072
0.078093	0.09186	-0.23136	4.30E-07	0.005723	0.90183	-0.06636	0.1522	0.012195
0.074718	0.10683	0.012306	0.79083	0.028416	0.54018	0.010944	0.81352	0.068096
0.033739	0.467	-0.06002	0.19542	-0.03117	0.50167	-0.03999	0.3886	0.004871
0.085152	0.06598	0.06185	0.18211	-0.01863	0.68806	-0.05662	0.22196	0.011704
0.105859	0.02214	-0.1074	0.02027	-0.02549	0.58265	-0.05187	0.26327	-0.07641
0.098443	0.03343	0.127018	0.00598	0.04059	0.38148	0.069871	0.13163	0.109577
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0.418879	2.89E-21	0.433327	8.46E-23	0.039305	0.39675	-0.08124	0.07947	0.158719
0.343573	2.20E-14	0.538342	1.90E-36	0.038191	0.41028	0.045598	0.32548	0.214535
0.400824	1.89E-19	0.43846	2.31E-23	-0.05845	0.20736	-0.09918	0.03213	-0.01531
0.271057	2.62E-09	0.154463	0.00081	-0.0234	0.61403	-0.16258	0.00042	-0.00366
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0.283366	4.51E-10	0.485884	4.86E-29	0.053047	0.25259	0.020464	0.65914	0.209962
-0.08082	0.08102	-0.16236	0.00043	-0.04947	0.28607	-0.1541	0.00083	-0.1992
0.286605	2.79E-10	0.250486	4.11E-08	0.055698	0.22962	0.074097	0.10979	0.065518
-0.30157	2.83E-11	-0.05228	0.25951	0.048663	0.29398	0.097406	0.03535	0.255887
0.00941	0.83929	-0.34567	1.49E-14	-0.05509	0.23477	-0.132	0.00427	-0.1539
0.069083	0.13604	-0.22568	8.32E-07	-0.05313	0.25186	-0.15905	0.00056	-0.12385
0.018082	0.69673	-0.19229	2.87E-05	-0.00154	0.97345	-0.06544	0.15798	0.133512
0.197648	1.69E-05	0.136619	0.00309	-0.01775	0.70199	-0.08874	0.05533	-0.0531
0.063366	0.17161	-0.10202	0.02749	-0.06418	0.16617	-0.10446	0.02397	-0.04256
0.069118	0.13585	-0.09486	0.04047	-0.00878	0.84987	-0.05379	0.24603	0.048704
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0.207364	6.23E-06	0.06405	0.16702	-0.00322	0.94474	-0.0583	0.20856	0.032461
0.132146	0.00423	0.027922	0.54724	-0.02587	0.57714	-0.07479	0.10648	-0.01841
0.004382	0.92476	-0.23022	4.92E-07	-0.0626	0.17688	-0.0283	0.54183	-0.06611
0.210281	4.58E-06	0.225575	8.42E-07	0.038333	0.40853	0.065566	0.15718	0.064002
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0.107	0.02074	-0.23627	2.40E-07	-0.075	0.10551	-0.12231	0.00815	-0.06369
0.015825	0.73303	0.219569	1.66E-06	-0.02155	0.64233	0.11495	0.01293	0.02744
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0.362587	5.89E-16	0.307064	1.18E-11	0.043057	0.3532	0.027714	0.55024	0.158591
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0.008859	0.84858	0.034909	0.45169	0.066917	0.14879	0.115239	0.0127	0.104706
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0.140551	0.00233	-0.18468	5.95E-05	0.000335	0.99423	-0.01237	0.78973	-0.03807
0.168717	0.00025	0.074276	0.10893	0.013333	0.77383	-0.02513	0.58809	-0.00786
0.173278	0.00017	0.014798	0.74976	-0.07077	0.12673	-0.13044	0.00475	-0.29772
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0.258296	1.49E-08	0.150706	0.00109	0.045136	0.33041	-0.02968	0.52225	0.026888
0.134949	0.00348	-0.01995	0.66725	-0.03389	0.46503	-0.05718	0.21745	-0.08827
0.10013	0.0305	-0.13839	0.00273	-0.02264	0.62556	-0.04091	0.37778	0.022788
-0.04037	0.38403	-0.07779	0.09313	-0.0489	0.29166	-0.09985	0.03098	0.013067
0.033495	0.47024	-0.04672	0.31375	0.018013	0.69783	-0.019	0.6821	0.204926
0.159542	0.00054	-0.12738	0.00584	-0.02231	0.63062	0.000489	0.99158	-0.06902
-0.14046	0.00235	-0.13627	0.00317	-0.00339	0.9417	-0.0177	0.70281	0.048042
-0.03857	0.40565	0.029539	0.52427	-0.01609	0.72876	0.048765	0.29297	-0.04788
-0.08742	0.05907	-0.21606	2.45E-06	0.047064	0.31015	0.028387	0.54058	0.141892
-0.06617	0.15337	-0.20853	5.51E-06	-0.01897	0.68262	-0.08075	0.08129	0.069675
-0.17328	0.00017	-0.10545	0.02266	0.019632	0.67218	0.039009	0.40032	0.038383
0.132809	0.00404	0.035661	0.442	-0.01289	0.78114	-0.10688	0.02088	-0.07263
0.168477	0.00025	-0.08338	0.07184	-0.02588	0.57691	-0.09509	0.03998	-0.07967
-0.13078	0.00464	-0.31737	2.18E-12	-0.06297	0.17431	-0.10996	0.01745	-0.15056
-0.06816	0.14134	-0.37967	1.84E-17	-0.03385	0.46553	-0.16143	0.00046	-0.18498
0.037805	0.41503	-0.14353	0.00187	0.009499	0.83779	-0.06507	0.16036	0.050478
0.036189	0.43527	-0.0938	0.04276	0.030345	0.51302	0.094287	0.04169	0.129755
0.186422	5.05E-05	0.061422	0.18516	0.037177	0.42282	0.004386	0.92469	0.14694
-0.11368	0.01397	-0.00155	0.97343	-0.03151	0.49701	-0.02092	0.65198	-0.03301
-0.08961	0.05297	-0.09307	0.0444	0.052953	0.25343	0.054421	0.24049	0.127651
0.176876	0.00012	0.00542	0.90701	-0.01453	0.75408	-0.0628	0.17545	0.043701
0.080561	0.08202	-0.08586	0.06374	0.016958	0.71474	-0.05756	0.21439	0.103046
0.187309	4.64E-05	0.150555	0.0011	0.037244	0.42199	0.041046	0.37615	0.064388
0.034252	0.46026	-0.38185	1.17E-17	0.012458	0.78831	0.010005	0.82927	-0.07449
0.272547	2.13E-09	0.167634	0.00027	0.03891	0.40151	0.02448	0.59772	0.083185
0.080327	0.08291	-0.07005	0.13061	0.084766	0.06722	0.068046	0.14204	0.138965
0.187369	4.61E-05	-0.00247	0.95762	-0.00377	0.9352	-0.04865	0.29407	0.039369
0.084356	0.06856	-0.00318	0.9454	0.01327	0.77488	-0.02176	0.63906	0.036844
-0.12321	0.00768	-0.00245	0.95791	-0.00741	0.87313	-0.02201	0.63517	-0.05509
0.211198	4.15E-06	0.084341	0.06861	0.035836	0.43976	-0.02016	0.66395	0.067685
-0.22204	1.26E-06	-0.06866	0.13849	-0.0664	0.15198	-0.02541	0.58386	-0.25191
-0.06938	0.13439	-0.083	0.07315	0.00678	0.88383	0.04409	0.34175	-0.0938
0.182411	7.35E-05	0.019391	0.67597	-0.0211	0.64928	-0.05724	0.21693	0.01693
0.148435	0.0013	0.144792	0.00171	-0.06393	0.16784	0.082794	0.07386	-0.10025

-0.01461	0.7528	-0.13698	0.00301	0.002906	0.95006	-0.11362	0.01402	0.083396
0.040895	0.37791	-0.18605	5.23E-05	0.006408	0.89016	-0.104	0.0246	0.041172
0.01721	0.71067	0.147887	0.00135	0.023269	0.61597	0.059207	0.20154	0.098652
0.054382	0.24082	-0.25638	1.91E-08	0.001405	0.97584	-0.13675	0.00307	-0.02596
0.041991	0.36525	-0.04721	0.3087	0.012779	0.783	-0.02232	0.63046	0.021476
-0.02132	0.64582	-0.0627	0.17616	0.006443	0.88955	-0.04682	0.31263	0.025244
0.118527	0.01036	-0.07747	0.09449	0.025785	0.57834	-0.01592	0.73145	0.082991
-0.04788	0.30186	-0.12753	0.00578	0.020162	0.66387	0.057039	0.21857	0.183094
0.076009	0.10089	-0.07303	0.11503	0.046056	0.32065	-0.03616	0.43563	0.130756
-0.04837	0.2969	0.029965	0.51831	0.050442	0.27667	0.002182	0.96249	0.287864
0.192966	2.69E-05	0.062045	0.18074	-0.04868	0.29381	-0.13382	0.00377	-0.01142
0.027856	0.54819	-0.17676	0.00012	-0.01282	0.78232	0.006684	0.88546	-0.01814
-0.06737	0.14605	-0.17172	0.00019	-0.015	0.74653	-0.06372	0.16925	0.020949
-0.18945	3.78E-05	-0.09762	0.03494	-0.02566	0.58016	-0.07578	0.10195	-0.06158
0.093306	0.04387	0.084478	0.06816	-0.0038	0.93476	-0.08339	0.07182	0.139912
0.211764	3.90E-06	0.084839	0.06698	0.021012	0.65062	0.036898	0.42631	0.139237
0.018603	0.68844	0.208945	5.27E-06	0.047474	0.30595	0.102417	0.02689	0.051768
0.197178	1.77E-05	0.010031	0.82884	0.035435	0.44491	0.010123	0.82729	0.073227
0.203424	9.39E-06	0.101328	0.02856	-0.00371	0.93627	-0.07334	0.11349	0.038631
-0.00926	0.84186	-0.32771	3.74E-13	-0.01781	0.7011	-0.15138	0.00103	-0.13478
0.146751	0.00147	-0.06826	0.1408	0.096507	0.03709	0.08573	0.06416	0.151474
-0.03649	0.43148	-0.193	2.68E-05	-0.04753	0.30543	-0.1393	0.00255	-0.14401
0.198664	1.53E-05	0.10105	0.029	0.01581	0.73328	0.013562	0.77005	0.117942
-0.10199	0.02753	-0.2467	6.64E-08	0.022323	0.6304	0.015165	0.74378	-0.08063
-0.17636	0.00013	-0.1006	0.02973	-0.02207	0.6343	0.001349	0.9768	0.035339
0.184641	5.97E-05	0.194304	2.36E-05	0.019368	0.67635	-0.00811	0.86131	0.148002
0.0577	0.21328	0.008105	0.86133	0.032957	0.47739	0.036463	0.43179	0.137123
0.031917	0.49141	-0.04715	0.30926	-0.00252	0.95668	-0.07141	0.1233	-0.08955
-0.11717	0.01128	-0.25061	4.04E-08	-0.03649	0.43142	-0.06854	0.13913	-0.11443
0.276272	1.26E-09	0.190878	3.29E-05	0.041209	0.37426	0.038533	0.4061	0.130535
-0.07646	0.09887	-0.2347	2.90E-07	-0.01825	0.69407	-0.03228	0.48646	-0.12696
0.066386	0.15205	-0.13493	0.00348	-0.02348	0.61281	-0.10316	0.0258	-0.10543
0.253561	2.76E-08	-0.02522	0.58676	0.025028	0.58954	-0.04663	0.31469	-0.02298
-0.20695	6.51E-06	-0.15536	0.00075	0.036595	0.43013	0.082048	0.07651	0.211124
0.281977	5.52E-10	-0.12927	0.00514	-0.05779	0.21255	-0.12549	0.00662	-0.18335
0.223315	1.09E-06	0.248477	5.30E-08	0.020158	0.66393	0.000406	0.99302	0.183024
0.14119	0.00223	-0.05721	0.21718	-0.00463	0.92052	-0.00368	0.93671	0.019645
-0.16519	0.00034	-0.11073	0.01668	-0.00628	0.89234	-0.02926	0.52814	-0.06553
-0.03194	0.4911	-0.02823	0.54286	-0.02713	0.5586	-0.06819	0.14118	-0.00448
0.140143	0.0024	-0.12955	0.00505	-0.01819	0.69507	-0.13916	0.00258	-0.06307
0.144187	0.00178	-0.04582	0.32309	-0.0105	0.82096	-0.08792	0.05762	0.00397
0.179615	9.50E-05	0.021532	0.64256	0.019539	0.67364	-0.04796	0.30101	0.064784
-0.20344	9.38E-06	-0.28622	2.96E-10	-0.04821	0.29855	-0.07497	0.10565	-0.1388
0.393963	8.65E-19	0.028559	0.53814	-0.04157	0.37012	-0.10263	0.02657	-0.06341
0.004542	0.92202	-0.14912	0.00123	-0.02154	0.64237	-0.07414	0.10956	0.005319

-0.04321	0.35149	-0.46437	2.36E-26	-0.03038	0.51248	-0.09252	0.04569	-0.14259
0.116824	0.01152	-0.07334	0.11345	-0.06757	0.14485	-0.16015	0.00051	-0.06201
0.04174	0.36812	0.084643	0.06762	0.016648	0.71973	0.033494	0.47025	0.170131
0.199457	1.41E-05	0.165517	0.00033	-0.01984	0.66893	-0.06238	0.17841	0.024154
0.076298	0.0996	0.089512	0.05323	-0.02906	0.53101	-0.08196	0.07682	-0.01497
0.195524	2.09E-05	0.127047	0.00597	0.006488	0.88879	-0.08073	0.08139	0.070877
0.135849	0.00327	0.095378	0.03937	0.00268	0.95395	-0.03114	0.502	0.132597
0.162995	0.00041	0.036974	0.42536	0.052733	0.25541	0.036986	0.42521	0.106902
-0.00451	0.9225	-0.0983	0.0337	-0.03481	0.45295	-0.07097	0.12564	-0.12426
0.130453	0.00475	0.192584	2.79E-05	0.033172	0.47453	0.154666	0.0008	0.098903
0.366651	2.63E-16	0.24698	6.41E-08	0.019134	0.68004	-0.0548	0.23722	0.150184
-0.16043	0.0005	-0.23488	2.83E-07	0.08384	0.07027	0.137316	0.00294	0.376781
-0.15091	0.00107	0.063518	0.17058	0.013467	0.77162	0.067982	0.14242	0.003522
-0.03657	0.43047	-0.35393	3.15E-15	0.016546	0.72138	-0.10261	0.0266	0.057598
0.324304	6.74E-13	0.117978	0.01072	-0.00527	0.9095	-0.07311	0.11461	-0.03333
0.009193	0.84294	-0.15938	0.00055	0.03579	0.44035	0.02828	0.54212	0.066724
0.184139	6.26E-05	-0.13616	0.00319	-0.0117	0.80088	-0.13206	0.00425	0.006182
0.048265	0.29796	-0.26349	7.41E-09	-0.04138	0.37223	-0.12731	0.00587	-0.0416
-0.03903	0.40003	-0.31793	1.99E-12	-0.02131	0.64594	-0.06426	0.16566	-0.05841
0.31475	3.37E-12	0.163601	0.00039	-0.0201	0.66487	-0.05777	0.2127	-0.01111
0.015633	0.73616	-0.18695	4.80E-05	-0.01477	0.75015	-0.03964	0.39275	-0.04856
0.180924	8.43E-05	-0.00729	0.8752	-0.0119	0.79758	-0.06711	0.14763	-0.06909
0.101513	0.02827	-0.20335	9.46E-06	0.015062	0.74545	-0.03251	0.48336	0.070264
0.174147	0.00016	-0.04938	0.28687	0.025058	0.5891	0.002776	0.9523	0.013505
0.095799	0.0385	0.119218	0.00992	0.02709	0.55924	0.099486	0.0316	0.051565
0.018591	0.68863	-0.27731	1.08E-09	0.032269	0.48664	0.078271	0.09112	0.013981
0.272238	2.22E-09	0.21925	1.72E-06	-0.01629	0.72555	-0.07064	0.12744	0.001602
0.048466	0.29595	-0.057	0.21888	-0.00594	0.89806	-0.02116	0.64827	-0.03515
0.115227	0.01271	0.05072	0.27403	-0.06346	0.17096	-0.0556	0.23047	-0.14146
0.056694	0.22138	-0.06086	0.18919	0.000355	0.9939	-0.02974	0.52143	-0.0282
0.229486	5.36E-07	0.242238	1.16E-07	0.046291	0.31817	0.13956	0.00251	0.117379
0.162004	0.00044	-0.06528	0.15901	0.007293	0.8751	-0.08586	0.06375	0.094147
0.235484	2.64E-07	-0.19193	2.98E-05	-0.02898	0.53222	-0.20013	1.32E-05	-0.1447
0.095838	0.03842	-0.05334	0.24994	0.031072	0.50296	0.086863	0.06071	0.104202
0.371442	1.00E-16	0.219941	1.59E-06	-0.02343	0.61347	-0.12276	0.00791	-0.03187
-0.0851	0.06613	0.043784	0.34512	-0.02735	0.55548	0.019475	0.67465	-0.05076
0.115766	0.0123	-0.06947	0.13384	0.003996	0.93137	-0.0354	0.44538	-0.09838
0.085599	0.06457	0.266089	5.21E-09	0.000476	0.99182	0.008002	0.86307	-0.04241
0.108457	0.01906	-0.17351	0.00016	0.035332	0.44622	0.011237	0.80863	0.112707
-0.04241	0.36047	0.256024	2.00E-08	0.023342	0.61487	0.144189	0.00178	0.012329
0.004266	0.92675	-0.15148	0.00102	-0.01162	0.80222	-0.01835	0.69247	0.001474
0.019514	0.67405	-0.12798	0.00561	-0.00486	0.9166	-0.01351	0.77091	0.002721
0.074406	0.10831	0.124844	0.00691	0.030462	0.51139	-0.10583	0.02217	0.191561
0.181089	8.30E-05	0.106313	0.02157	0.142854	0.00197	0.012706	0.78419	0.249334
0.139703	0.00248	0.026285	0.57098	0.077204	0.09563	0.005251	0.90989	0.264476

0.2098	4.82E-06	0.026201	0.57222	0.005756	0.90127	-0.03739	0.4202	-0.04941
0.059491	0.19939	-0.07411	0.10971	0.034776	0.45342	-0.00792	0.86454	0.02034
-0.18186	7.74E-05	-0.06745	0.14559	-0.05467	0.23838	-0.03902	0.40021	-0.03099
0.006443	0.88956	-0.20964	4.90E-06	-0.03389	0.46498	-0.14979	0.00117	-0.06218
-0.00551	0.90551	-0.36064	8.62E-16	-0.03901	0.40028	-0.10264	0.02655	-0.09627
-0.20622	7.03E-06	-0.22157	1.33E-06	-0.05669	0.22141	-0.09925	0.032	-0.07738
-0.06893	0.13694	-0.14841	0.0013	0.022558	0.6268	0.051521	0.26651	0.081141
-0.25206	3.35E-08	-0.03452	0.45678	-0.06656	0.15098	0.053226	0.25099	-0.15164
0.286139	2.99E-10	0.435274	5.19E-23	-0.02244	0.62865	-0.07804	0.09206	0.047583
0.097851	0.03452	-0.2708	2.72E-09	0.015763	0.73405	-0.10507	0.02315	0.046049
-0.24145	1.28E-07	-0.15584	0.00073	-0.01972	0.67082	0.020817	0.65365	-0.04736
0.154618	0.0008	-0.04422	0.34037	-0.028	0.54609	-0.09134	0.04852	-0.0263
0.162894	0.00041	0.117712	0.0109	-0.01605	0.72932	-0.07879	0.089	-0.00256
0.031773	0.49337	-0.16995	0.00022	-0.00507	0.91305	-0.03743	0.41972	0.003505
0.195165	2.17E-05	0.291759	1.29E-10	0.004181	0.9282	0.033157	0.47473	0.032791
-0.0013	0.97765	-0.12786	0.00566	0.009843	0.832	0.077418	0.09472	0.012029
0.123489	0.00755	0.005722	0.90184	0.022186	0.6325	0.002033	0.96505	0.050236
0.309991	7.36E-12	0.0553	0.23296	-0.01222	0.79231	-0.06312	0.1733	0.066702
0.031729	0.49398	-0.30057	3.31E-11	-0.00604	0.89643	-0.04898	0.29081	0.088822
0.041633	0.36936	-0.0405	0.3825	-0.00272	0.95326	0.010462	0.8216	-0.00097
0.007078	0.87876	-0.20219	1.07E-05	-0.01026	0.82492	-0.05162	0.26559	0.035248
0.019267	0.67793	-0.27004	3.02E-09	-0.01141	0.80576	-0.08456	0.06788	0.020277
0.154038	0.00084	0.042674	0.3575	-0.01319	0.77627	-0.06862	0.1387	-0.02928
-0.02043	0.65968	-0.17382	0.00016	0.059043	0.2028	0.018171	0.69531	0.175159
0.023532	0.61198	-0.14856	0.00128	0.009468	0.8383	-0.06516	0.15978	-0.01295
-0.222	1.27E-06	-0.24532	7.90E-08	-0.06603	0.15427	-0.06693	0.14872	-0.07737
0.062197	0.17966	-0.21402	3.06E-06	-0.05286	0.25425	-0.0405	0.38248	-0.15767
0.177947	0.00011	0.198415	1.57E-05	0.011823	0.79886	0.006965	0.88067	0.056141
0.128323	0.00548	-0.05351	0.24847	-0.01471	0.75128	-0.07499	0.10555	-0.07021
0.113667	0.01398	-0.1126	0.01491	-0.01497	0.74695	-0.08652	0.06174	-0.07464
0.111542	0.01589	-0.20086	1.22E-05	0.005439	0.90668	-0.04937	0.28705	0.058572
0.305409	1.54E-11	0.165145	0.00034	-0.01879	0.68542	-0.05557	0.23067	0.015978
0.072826	0.11603	-0.0554	0.23209	0.042721	0.35697	0.045674	0.32468	0.209043
0.031034	0.50348	0.153427	0.00088	-0.00387	0.93356	0.05123	0.26923	-0.06652
0.173636	0.00016	0.159393	0.00055	-0.00375	0.93562	-0.00531	0.90882	0.064008
-0.0482	0.29864	-0.07467	0.10704	0.005876	0.89922	-0.00966	0.83513	0.117754
0.039827	0.3905	0.06656	0.15097	-0.01821	0.6947	0.019043	0.68147	-0.18439
-0.1301	0.00486	-0.12369	0.00745	-0.00757	0.87035	-0.05661	0.22206	-0.01885
0.06367	0.16956	0.159438	0.00054	0.001882	0.96765	0.022558	0.62679	-0.08366
0.193623	2.52E-05	0.2571	1.74E-08	0.042981	0.35405	-0.02351	0.61236	0.088082
0.250115	4.31E-08	0.088939	0.05478	0.022975	0.62044	0.025688	0.57976	0.122788
0.320156	1.37E-12	0.247541	5.97E-08	0.03282	0.47923	0.08154	0.07836	0.1722
0.082079	0.0764	-0.01621	0.72678	0.01914	0.67994	-0.04545	0.32706	0.014283
0.141281	0.00221	0.103487	0.02533	0.124671	0.00699	0.222131	1.25E-06	0.28589
0.280344	7.00E-10	0.060264	0.1936	-0.00838	0.85674	-0.0405	0.38248	-0.03711

0.081359	0.07902	-0.10279	0.02633	-0.05228	0.2595	-0.15329	0.00089	-0.14734
-0.05844	0.20745	-0.21373	3.16E-06	-0.00941	0.83921	0.031786	0.4932	0.046568
-0.09408	0.04213	-0.19873	1.52E-05	0.014511	0.75447	-0.00726	0.87561	-0.01072
0.071663	0.12199	-0.03642	0.4324	0.029507	0.52472	0.025999	0.57519	0.072494
0.219171	1.74E-06	0.235571	2.61E-07	-0.00834	0.85738	-0.01814	0.69579	-0.05533
-0.04465	0.33567	-0.18973	3.68E-05	-0.00417	0.92844	-0.03496	0.45106	0.008209
-0.05739	0.21579	-0.06022	0.19391	0.021683	0.64024	0.032546	0.48292	0.035012
-0.20259	1.02E-05	-0.15651	0.00069	-0.05351	0.2485	0.098484	0.03336	-0.15319
-0.04689	0.3119	-0.17295	0.00017	-0.03349	0.47026	0.063875	0.16818	-0.15873
0.314902	3.29E-12	0.27525	1.45E-09	-0.00497	0.91463	-0.05478	0.2374	0.042839
0.181605	7.92E-05	0.280213	7.13E-10	0.085404	0.06518	0.072185	0.11928	0.317637
-0.00267	0.95412	0.179632	9.49E-05	0.012038	0.79529	0.071893	0.12079	-0.02895
0.156152	0.00071	-0.02959	0.52356	-0.0033	0.94332	-0.09196	0.04702	0.020483
0.11097	0.01644	0.137692	0.00287	-0.00199	0.96572	-0.07785	0.0929	0.101259
0.176575	0.00013	-0.01206	0.795	0.033508	0.47006	0.009709	0.83425	0.052629
0.169052	0.00024	0.029566	0.52389	0.007162	0.87732	-0.03584	0.43973	0.064999
0.030849	0.50603	-0.04113	0.37522	0.007057	0.87911	-0.01776	0.70184	-0.0591
0.030697	0.50814	-0.07404	0.11008	0.015032	0.74595	-0.05398	0.24432	0.061672
0.155443	0.00075	-0.01243	0.78875	-0.03256	0.4827	-0.04076	0.37946	-0.20376
0.364386	4.13E-16	0.167012	0.00029	-0.00419	0.92796	-0.01882	0.68507	-0.07113
-0.10993	0.01748	-0.06046	0.19213	-0.00253	0.95659	-0.0545	0.2398	-0.05524
-0.21567	2.55E-06	-0.27306	1.98E-09	0.005025	0.91375	-0.06967	0.13273	0.123622
-0.19558	2.08E-05	-0.26362	7.29E-09	-0.0183	0.69323	0.06737	0.14605	-0.09845
0.260994	1.04E-08	0.058274	0.20875	0.008089	0.86159	0.037448	0.41945	0.015289
0.184883	5.84E-05	-0.0103	0.8243	0.049679	0.28401	0.068212	0.14106	0.109534
-0.21135	4.08E-06	0.089125	0.05427	0.106147	0.02178	0.318961	1.67E-12	0.270659
-0.02095	0.65165	0.025377	0.58436	0.038502	0.40647	0.072983	0.11524	-0.00625
-0.26379	7.12E-09	-0.25548	2.15E-08	-0.01262	0.78566	-0.0197	0.67109	-0.15073
0.249952	4.40E-08	0.128187	0.00553	0.017337	0.70864	0.008177	0.86011	0.069149
0.206143	7.08E-06	0.30494	1.66E-11	-0.06637	0.15212	-0.10249	0.02678	-0.09708
-0.05842	0.2076	-0.37905	2.10E-17	-0.0434	0.34939	-0.23127	4.35E-07	-0.0927
-0.09673	0.03665	0.138886	0.00263	-0.05921	0.20152	-0.09483	0.04052	-0.1216
0.044886	0.33311	-0.09367	0.04305	-0.03037	0.51262	-0.08669	0.06121	0.041078
0.036919	0.42605	-0.16444	0.00036	0.025458	0.58316	0.035054	0.44981	-0.04646
0.422179	1.31E-21	0.271553	2.45E-09	-0.0028	0.95194	-0.03718	0.42275	0.000835
0.260485	1.11E-08	0.297133	5.66E-11	0.008295	0.85812	-0.03116	0.50181	0.007014
-0.04575	0.32387	-0.05571	0.22955	0.017884	0.69989	0.014262	0.75854	0.113652
-0.05447	0.24003	-0.23815	1.91E-07	0.067122	0.14754	0.139334	0.00255	0.048655
0.064958	0.16107	0.054668	0.23835	-0.00532	0.9087	-0.03918	0.39828	0.040486
-0.04276	0.35657	0.202775	1.00E-05	-0.05487	0.23664	-0.0559	0.22789	-0.11959
-0.15055	0.0011	-0.0194	0.67579	-0.0175	0.706	0.025504	0.58248	-0.03426
0.019635	0.67214	-0.20359	9.23E-06	-0.02218	0.63263	-0.09176	0.0475	-0.02066
0.155126	0.00077	0.16186	0.00045	-0.01178	0.79962	-0.08634	0.06229	-0.03672
0.025768	0.57858	0.013633	0.76888	-0.02557	0.58148	-0.09556	0.03899	-0.02707
0.17668	0.00012	-0.01598	0.73058	0.030932	0.5049	-0.00632	0.89171	0.073597

0.022679	0.62496	0.180942	8.42E-05	0.004781	0.91793	0.040967	0.37708	0.071541
0.072327	0.11856	0.083372	0.07186	-0.02172	0.63968	-0.08798	0.05745	0.051294
0.029226	0.52867	-0.15312	0.0009	0.013975	0.76325	-0.0519	0.26305	0.004034
-0.24786	5.74E-08	-0.10468	0.02368	-0.08334	0.07196	-0.12411	0.00725	-0.24094
0.12867	0.00536	-0.04781	0.30252	-0.01978	0.66988	-0.00952	0.83737	-0.00174
0.1494	0.0012	0.191374	3.14E-05	0.044683	0.3353	0.00283	0.95137	0.031041
-0.06579	0.1558	-0.27421	1.68E-09	0.041245	0.37384	-0.01996	0.66697	0.172009
0.012917	0.78071	-0.10201	0.0275	0.031539	0.49657	0.073982	0.11034	-0.00071
-0.01343	0.77227	-0.24847	5.31E-08	0.014702	0.75133	-0.00358	0.93854	-0.04323
-0.0094	0.8394	-0.22933	5.45E-07	-0.02875	0.53541	-0.08885	0.05501	-0.04305
0.25516	2.24E-08	0.362099	6.48E-16	-0.00671	0.88507	-0.0239	0.60648	0.042002
-0.08423	0.06897	-0.40846	3.32E-20	-0.02687	0.56251	-0.1033	0.02559	-0.18536
0.007597	0.86993	-0.32696	4.27E-13	-0.03151	0.49702	-0.08254	0.07476	-0.08112
-0.03067	0.5085	-0.26591	5.34E-09	0.042907	0.35488	0.036178	0.43541	0.094412
0.103017	0.026	0.052422	0.25823	0.024428	0.5985	0.057502	0.21485	-0.03579
-0.02082	0.65354	-0.28784	2.32E-10	0.008349	0.8572	-0.01774	0.70212	-0.0672
0.089608	0.05297	0.052115	0.26103	-0.00593	0.89838	-0.05081	0.2732	-0.00227
0.040269	0.38526	-0.09265	0.04539	0.034627	0.45535	-0.00527	0.90958	0.125314
0.210397	4.52E-06	0.030722	0.50778	0.042557	0.35882	0.03791	0.41374	0.081672
0.022652	0.62537	0.017525	0.70562	0.016802	0.71724	0.145244	0.00165	0.066663
0.032741	0.4803	-0.06196	0.18135	-0.00721	0.87655	-0.01085	0.8151	-0.01162
0.182506	7.28E-05	0.075098	0.10506	0.024939	0.59087	0.041592	0.36983	0.10914
0.147251	0.00142	-0.06669	0.15019	0.041237	0.37394	0.052827	0.25457	0.033999
0.185509	5.50E-05	-0.0107	0.81753	-0.03441	0.45817	-0.12232	0.00814	-0.00384
0.083198	0.07246	0.024168	0.6024	0.015907	0.7317	-0.00339	0.94184	0.082208
0.211102	4.19E-06	0.152863	0.00092	0.009483	0.83806	-0.02726	0.55678	0.021216
0.232413	3.80E-07	0.077828	0.09297	0.02519	0.58714	-0.01358	0.76977	0.100478
0.213077	3.39E-06	-0.00364	0.93754	-0.0369	0.42627	-0.05666	0.22166	-0.05051
-0.02275	0.62383	-0.26098	1.04E-08	-0.01824	0.69417	-0.09736	0.03545	-0.04321
0.053913	0.24492	-0.15925	0.00055	-0.00019	0.99679	-0.03852	0.40621	-0.05308
0.001857	0.96807	-0.14134	0.0022	0.032832	0.47908	0.013642	0.76873	0.07918
0.230893	4.55E-07	0.060142	0.1945	0.033962	0.46406	0.067203	0.14706	0.095081
0.20918	5.14E-06	0.086282	0.06246	0.047384	0.30688	-0.03974	0.39154	0.10923
-0.03359	0.46897	-0.21811	1.95E-06	-0.03705	0.42437	-0.11656	0.01171	-0.09983
0.242836	1.08E-07	0.020383	0.66041	-0.01197	0.79647	-0.04249	0.35963	-0.00965
0.077615	0.09387	-0.05703	0.21863	-0.00771	0.86794	-0.06759	0.14475	0.015618
-0.37412	5.81E-17	-0.22725	6.95E-07	-0.03778	0.41537	0.034109	0.46213	-0.07716
-0.07981	0.08491	-0.08232	0.07554	0.004422	0.92407	0.052617	0.25646	-0.04041
-0.07335	0.11341	-0.27396	1.74E-09	-0.01948	0.67451	-0.04331	0.35041	0.00291
0.160454	0.0005	0.175835	0.00013	0.009373	0.83991	0.119747	0.00959	0.018777
0.078337	0.09085	-0.23601	2.47E-07	-0.00452	0.92242	-0.09722	0.03571	-0.06311
0.054264	0.24185	-0.12674	0.0061	-0.01276	0.78336	-0.02954	0.52428	-0.01246
-0.2413	1.30E-07	-0.45797	1.37E-25	0.008077	0.8618	0.141025	0.00225	-0.0366
0.386427	4.42E-18	0.23688	2.23E-07	0.022888	0.62177	-0.12895	0.00526	0.112753
0.157922	0.00061	0.092788	0.04506	0.008319	0.8577	0.026096	0.57376	0.003613

-0.02945	0.52551	-0.24246	1.13E-07	-0.02264	0.62552	-0.03824	0.40966	-0.05153
0.039519	0.39419	-0.15073	0.00109	-0.00184	0.96834	-0.06296	0.17435	0.070218
0.044527	0.33698	-0.01512	0.74458	0.011122	0.81056	0.006013	0.89688	0.088636
0.390879	1.70E-18	0.237784	2.00E-07	0.088933	0.05479	0.076037	0.10077	0.214646
-0.04254	0.35905	-0.17947	9.63E-05	0.024467	0.59792	0.002547	0.95622	-0.0106
0.279817	7.55E-10	0.020589	0.6572	-0.0332	0.4741	-0.19053	3.41E-05	-0.01373
0.288219	2.20E-10	-0.00813	0.86085	-0.00172	0.97039	-0.0745	0.10788	-0.09142
0.307068	1.18E-11	0.131394	0.00445	0.037255	0.42186	-0.02846	0.53956	0.109477
0.08439	0.06845	-0.07627	0.09973	0.009718	0.8341	-0.07151	0.12276	0.052741
-0.01735	0.70843	-0.28267	4.99E-10	-0.02704	0.56	-0.03841	0.40761	-0.11311
0.12395	0.00732	0.05231	0.25924	0.048406	0.29655	0.050405	0.27702	0.182714
0.112786	0.01475	-0.14176	0.00214	0.013194	0.77613	-0.02859	0.53766	-0.15212
-0.01785	0.70042	-0.33659	7.81E-14	-0.02673	0.56451	-0.09078	0.04994	0.014748
0.304888	1.67E-11	0.313926	3.86E-12	-0.01603	0.72969	-0.05274	0.2553	0.069533
0.256481	1.89E-08	-0.06427	0.16556	0.014286	0.75815	-0.04554	0.32612	-0.1004
-0.0125	0.78753	-0.11066	0.01674	-0.00139	0.97614	-0.02729	0.55633	0.011003
0.133619	0.00382	0.307351	1.13E-11	0.032454	0.48415	0.084603	0.06775	0.027983
-0.07242	0.11811	-0.12384	0.00738	0.019733	0.6706	0.044758	0.33448	-0.04925
0.092183	0.04648	-0.04437	0.33865	-0.02376	0.6086	-0.04303	0.35347	-0.03115
0.216118	2.43E-06	0.578652	4.31E-43	0.053961	0.24449	0.172201	0.00018	0.112841
0.083156	0.0726	0.418745	2.98E-21	-0.04052	0.38235	0.019156	0.67969	-0.04092
0.146813	0.00147	0.139925	0.00244	0.040655	0.38072	0.104096	0.02447	0.086094
-0.11651	0.01174	-0.20789	5.90E-06	-0.10065	0.02965	-0.06102	0.18805	-0.056
-0.01475	0.75049	-0.2287	5.87E-07	0.001312	0.97744	-0.10143	0.0284	0.014641
0.220512	1.50E-06	-0.15202	0.00098	0.041005	0.37663	0.026073	0.5741	0.043322
-0.03628	0.43417	-0.07129	0.12393	0.013505	0.771	0.084016	0.06969	-0.00692
0.041539	0.37044	-0.08289	0.07352	0.016945	0.71494	-0.00778	0.8669	-0.04323
0.111536	0.01589	0.132619	0.00409	0.086459	0.06192	0.154225	0.00083	0.157339
-0.18063	8.66E-05	-0.14959	0.00119	0.002966	0.94904	0.034288	0.45979	-0.04045
-0.02678	0.56373	0.106652	0.02116	-0.03975	0.39144	-0.05529	0.23303	-0.07101
0.014687	0.75158	-0.22746	6.78E-07	-0.01906	0.68124	-0.05189	0.26313	0.044767
0.385019	5.97E-18	0.015519	0.738	0.022553	0.62688	-0.06424	0.16573	0.05031
0.035847	0.43962	0.200906	1.22E-05	0.020638	0.65644	0.061839	0.18219	0.058793
-0.06805	0.142	-0.10168	0.028	-0.02871	0.53604	-0.05235	0.2589	-0.02363
0.15057	0.0011	0.026235	0.57172	0.049277	0.28793	0.038325	0.40864	0.297173
0.311275	5.97E-12	0.140041	0.00242	-0.03538	0.44555	-0.07237	0.11832	-0.0389
0.247451	6.04E-08	0.154798	0.00079	-0.02112	0.6489	-0.14669	0.00148	-0.01317
0.099356	0.03182	0.313715	4.00E-12	0.064981	0.16092	0.150051	0.00114	0.136184
-0.1469	0.00146	-0.08715	0.05986	0.039565	0.39363	0.054966	0.23581	0.186858
-0.04099	0.37675	-0.01479	0.74983	-0.01484	0.74906	-0.02136	0.64527	-0.08172
0.064215	0.16593	0.007353	0.87408	-0.00876	0.85025	-0.07103	0.12532	-0.0135
0.202915	9.90E-06	0.12844	0.00544	0.039044	0.39989	-0.02917	0.52952	0.106945
0.010977	0.81297	-0.14842	0.0013	0.065988	0.15452	0.057697	0.2133	0.288571
-0.06787	0.14306	-0.29516	7.67E-11	-0.00601	0.89693	-0.06646	0.15156	-0.07232
0.12081	0.00897	-0.05731	0.2164	0.000957	0.98354	-0.00881	0.84935	-0.00569

-0.085	0.06647	-0.22447	9.55E-07	-0.0384	0.40767	-0.10124	0.0287	-0.12022
0.06728	0.14659	-0.03302	0.47649	-0.02987	0.51959	-0.11947	0.00977	0.019798
0.070504	0.12815	-0.06219	0.17971	0.045035	0.3315	0.058953	0.20349	0.071007
-0.18569	5.41E-05	-0.20594	7.24E-06	0.001724	0.97036	-0.00549	0.90579	-0.06562
0.229979	5.06E-07	0.273259	1.93E-09	-0.00958	0.8365	-0.07731	0.09517	0.138651
0.048048	0.30014	-0.02708	0.55943	-0.01684	0.71658	-0.10095	0.02917	0.110992
0.158375	0.00059	-0.10884	0.01863	0.027959	0.54671	-0.03374	0.46695	0.056046
0.354061	3.08E-15	0.01964	0.67205	0.008157	0.86044	-0.0702	0.12982	0.02616
0.191935	2.97E-05	0.135562	0.00333	0.010852	0.81507	-0.01464	0.75235	0.055794
0.046189	0.31925	-0.19268	2.77E-05	-0.058	0.21092	-0.16057	0.0005	-0.13932
0.32622	4.85E-13	0.034885	0.45201	0.007725	0.86777	-0.08951	0.05324	0.018871
-0.0092	0.84279	-0.11885	0.01015	0.047322	0.30751	0.039342	0.3963	0.174933
0.259387	1.29E-08	0.186206	5.15E-05	0.024615	0.59571	-0.06728	0.14662	0.129953
-0.02056	0.65761	-0.03957	0.39352	-0.00309	0.94689	-0.02133	0.64573	0.087305
-0.21609	2.44E-06	-0.31839	1.84E-12	-0.03724	0.42199	-0.03132	0.49955	-0.01651
0.206687	6.69E-06	-0.13768	0.00287	0.016913	0.71546	-0.05075	0.27373	0.008925
0.215361	2.64E-06	0.132128	0.00423	0.092985	0.0446	0.074159	0.10949	0.269905
0.129154	0.00519	0.103607	0.02516	0.028703	0.53609	0.010885	0.81452	0.139223
0.008382	0.85664	0.019983	0.66666	-0.07064	0.12743	-0.1105	0.01691	-0.09402
0.424504	7.46E-22	0.118078	0.01066	0.01776	0.70186	-0.04228	0.362	0.093016
0.125076	0.0068	0.190193	3.52E-05	0.089133	0.05425	0.110893	0.01651	0.30779
0.262288	8.72E-09	0.164119	0.00037	-0.01919	0.67917	-0.05725	0.21684	0.060191
0.278449	9.20E-10	0.041321	0.37296	-0.07001	0.13085	-0.13431	0.00364	-0.19625
0.089623	0.05293	-0.2168	2.26E-06	-0.00872	0.85089	-0.07301	0.11511	-0.00167
0.028541	0.53839	0.078287	0.09106	0.036925	0.42598	0.095177	0.03979	0.078505
0.214481	2.91E-06	0.268149	3.92E-09	0.115739	0.01232	0.156049	0.00071	0.267153
-0.01134	0.80688	-0.1611	0.00047	0.049233	0.28836	0.063504	0.17068	0.139393
0.058255	0.2089	-0.22348	1.07E-06	-0.00665	0.886	-0.04858	0.29477	0.038831
-0.08961	0.05296	-0.11356	0.01407	-0.03715	0.42314	-0.01198	0.79632	-0.04888
0.299575	3.87E-11	0.15215	0.00097	0.016008	0.73008	-0.06112	0.18732	0.051196
-0.22052	1.49E-06	-0.40094	1.84E-19	-0.03739	0.42023	-0.03928	0.39702	-0.08283
0.129634	0.00502	0.019816	0.66929	-0.04307	0.35305	-0.0694	0.13424	-0.03145
0.324304	6.74E-13	0.232291	3.85E-07	-0.04457	0.33656	-0.12085	0.00895	-0.03829
0.048229	0.29832	-0.2992	4.10E-11	-0.0472	0.30873	-0.21206	3.78E-06	-0.16129
0.229958	5.07E-07	-0.01102	0.81223	-0.01351	0.77084	-0.07217	0.11935	0.003367
0.275954	1.31E-09	0.166646	0.0003	0.008381	0.85665	0.013196	0.7761	-0.06583
0.065641	0.1567	-0.27302	1.99E-09	-0.07408	0.10984	-0.17764	0.00011	-0.2515
0.094428	0.04138	-0.01591	0.73165	-0.01535	0.74081	-0.03045	0.51156	0.07455
-0.06861	0.13877	0.154611	0.0008	-0.00972	0.834	0.0178	0.70123	0.030433
0.093397	0.04366	-0.10761	0.02001	-0.01584	0.73281	0.006404	0.89022	-0.05524
-0.08651	0.06178	0.020127	0.66441	-0.07697	0.09664	-0.08418	0.06915	-0.0851
0.119129	0.00998	0.021311	0.64598	0.042527	0.35915	-0.00872	0.85096	0.123767
-0.03537	0.44568	0.06222	0.1795	-0.01858	0.68881	-0.02814	0.54409	-0.0536
0.185179	5.68E-05	0.027285	0.55643	-0.00513	0.91199	-0.02723	0.55716	-0.00025
0.248159	5.52E-08	0.225465	8.53E-07	-0.03466	0.45488	-0.10746	0.02019	0.044131



-0.03099	0.50415	-0.33996	4.25E-14	-0.03298	0.47704	-0.1511	0.00106	-0.02583
0.158966	0.00056	0.336454	8.01E-14	0.005884	0.89909	0.008045	0.86235	0.026
0.058961	0.20343	0.22628	7.77E-07	0.010866	0.81483	0.107742	0.01987	-0.03306
0.075233	0.10443	0.115249	0.0127	0.002854	0.95095	-0.07311	0.1146	-0.05835
0.036531	0.43093	0.090558	0.0505	-0.01816	0.69541	-0.00121	0.97926	-0.08456
0.125783	0.00649	0.298324	4.71E-11	0.011023	0.81221	0.037959	0.41313	0.018795
-0.00632	0.89162	-0.23637	2.37E-07	-0.03866	0.40455	-0.10121	0.02875	-0.06675
0.168366	0.00026	0.158405	0.00059	-0.01049	0.82105	-0.03568	0.44182	-0.03602
0.039226	0.3977	-0.02234	0.63016	-0.00317	0.94546	-0.09876	0.03286	0.033295
-0.12945	0.00508	-0.25231	3.25E-08	0.148296	0.00131	0.211518	4.01E-06	0.160094
0.255963	2.02E-08	0.290082	1.66E-10	0.042424	0.36032	0.157855	0.00062	0.128458
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0.133602	0.00382	0.308215	9.81E-12	0.021444	0.64393	-0.00835	0.85725	0.131215
0.148595	0.00128	-0.03714	0.4233	-0.00203	0.96517	-0.02503	0.58957	0.037728
-0.10999	0.01742	-0.21403	3.06E-06	0.027875	0.54791	0.030679	0.50838	0.122924
0.156863	0.00067	0.422022	1.36E-21	0.0144	0.75628	0.031344	0.49923	0.171286
0.357174	1.69E-15	0.198399	1.57E-05	-0.01582	0.73306	-0.03581	0.44011	-0.03456
-0.01363	0.76887	-0.39544	6.25E-19	0.017286	0.70947	0.003285	0.94357	-0.09061
0.324948	6.04E-13	0.349146	7.80E-15	0.08287	0.0736	0.10664	0.02117	0.186956
0.120948	0.00889	0.029942	0.51862	0.03055	0.51016	0.037262	0.42177	0.157641
-0.0191	0.68061	0.2165	2.33E-06	0.008217	0.85943	0.093063	0.04442	0.069749
0.217352	2.12E-06	0.080468	0.08237	0.013901	0.76448	0.0098	0.83272	0.10273
0.247418	6.07E-08	0.045161	0.33015	-0.00471	0.91923	-0.11818	0.01059	-0.01404
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0.169719	0.00023	0.404262	8.68E-20	0.000274	0.99529	-0.00247	0.95755	0.045936
0.286767	2.73E-10	0.026106	0.57361	0.043786	0.3451	-0.03639	0.4327	-0.01427
0.199861	1.35E-05	-0.03116	0.50169	-0.01324	0.77536	-0.08877	0.05525	-0.01098
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0.017548	0.70526	-0.40654	5.16E-20	-0.02979	0.5208	-0.22622	7.82E-07	-0.12189
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0.150485	0.00111	0.067962	0.14253	0.023615	0.61073	-0.00144	0.97519	0.108523
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0.163379	0.00039	0.067816	0.14339	0.022981	0.62034	0.042132	0.36364	0.056088
0.287827	2.33E-10	0.030392	0.51236	-0.00347	0.94033	-0.04177	0.36781	-0.02066
0.325992	5.04E-13	0.312668	4.75E-12	-0.00482	0.91731	-0.14269	0.00199	0.083101
0.381391	1.29E-17	0.208798	5.36E-06	0.04632	0.31788	0.070543	0.12794	0.182725
0.097749	0.03471	-0.0985	0.03333	-0.03295	0.47746	-0.09762	0.03494	-0.00559
-0.19647	1.90E-05	-0.1642	0.00037	-0.0315	0.49705	0.008507	0.85453	-0.0302
0.070561	0.12785	0.030916	0.50511	-0.01777	0.70174	-0.04502	0.33161	0.018732
0.073423	0.11306	-0.19658	1.88E-05	-0.01135	0.8067	-0.10207	0.02742	-0.09107
0.238067	1.93E-07	0.206191	7.05E-06	0.036806	0.42747	0.036753	0.42814	0.09174
0.150634	0.00109	-0.05098	0.27154	0.010375	0.82305	-0.00111	0.98097	-0.02865
0.261631	9.52E-09	0.100108	0.03054	0.056942	0.21937	0.088338	0.05644	0.120833

0.178644	0.0001	0.059322	0.20067	0.001367	0.97649	-0.01788	0.69994	-0.00024
0.347687	1.03E-14	0.170632	0.00021	-0.0095	0.83783	-0.10824	0.0193	0.056113
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0.05609	0.22635	-0.15872	0.00058	-0.02302	0.61977	-0.09498	0.04021	-0.04284
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0.203148	9.67E-06	0.175015	0.00014	0.006358	0.891	-0.0286	0.53759	0.073914
0.191424	3.12E-05	0.335307	9.83E-14	0.048704	0.29358	0.110957	0.01645	0.09443
0.020968	0.6513	0.269157	3.41E-09	0.004291	0.92632	0.073545	0.11247	0.047194
0.163109	0.0004	-0.01565	0.73592	0.035948	0.43834	-0.05007	0.28023	0.149839
-0.13962	0.0025	-0.37613	3.84E-17	0.014702	0.75134	0.006429	0.88979	-0.05658
-0.03307	0.47593	0.264208	6.73E-09	-0.01845	0.69095	0.113305	0.01429	-0.10384
0.176804	0.00012	-0.1437	0.00185	-0.0008	0.98632	-0.08981	0.05242	0.067448
-0.10823	0.01931	-0.10161	0.02811	-0.03877	0.40327	-0.02875	0.53543	-0.09351
0.249615	4.59E-08	0.307411	1.12E-11	0.01492	0.74778	0.04471	0.335	-0.01999
0.389511	2.28E-18	0.029922	0.51891	0.016662	0.7195	-0.10974	0.01768	0.117171
0.196965	1.81E-05	-0.06543	0.15807	0.005022	0.91381	-0.13757	0.00289	0.057208
0.453965	4.03E-25	-0.00533	0.90848	-0.05147	0.26701	-0.15104	0.00106	-0.03943
0.345825	1.45E-14	0.179336	9.75E-05	0.017151	0.71163	-0.04838	0.29684	0.085021
0.139662	0.00249	-0.08781	0.05795	-0.06579	0.15577	-0.13514	0.00343	-0.06551
0.246246	7.03E-08	0.146736	0.00147	0.038059	0.4119	-0.02483	0.59244	0.157269
0.263819	7.09E-09	0.235364	2.67E-07	-0.00386	0.93366	-0.07689	0.097	-0.05545
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-0.18555	5.48E-05	0.06165	0.18353	-0.00526	0.90976	0.066529	0.15116	-0.04859
-0.06416	0.16628	-0.27415	1.70E-09	-0.01875	0.68612	-0.11233	0.01516	0.021312
-0.02433	0.60003	0.212833	3.48E-06	-0.02943	0.52581	-0.04379	0.3451	-0.10159
0.141407	0.00219	0.005683	0.90252	0.02435	0.59967	0.065986	0.15453	0.094358
0.097188	0.03576	0.016758	0.71795	0.020872	0.65278	0.035638	0.4423	0.009727
-0.1214	0.00864	-0.02317	0.61749	-0.02088	0.65268	0.047039	0.31041	0.016806
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-0.01376	0.76683	-0.07145	0.12311	0.073122	0.11455	0.037954	0.41319	0.086177
0.097863	0.03449	-0.03265	0.48158	-0.0109	0.81427	-0.01322	0.77573	-0.0115
0.066577	0.15086	0.017255	0.70995	0.024166	0.60244	0.024199	0.60193	0.037096
0.318047	1.95E-12	0.100802	0.0294	-0.0285	0.53903	-0.07307	0.11479	-0.02438
0.163846	0.00038	0.226917	7.22E-07	0.061493	0.18465	0.105384	0.02275	0.154786
0.064906	0.16141	-0.14561	0.0016	-0.00757	0.87034	-0.04129	0.37332	-0.0649
0.117212	0.01125	0.073895	0.11076	0.002265	0.96106	0.003419	0.94126	-0.03964
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0.329678	2.66E-13	0.295916	6.83E-11	0.032798	0.47952	0.032634	0.48173	0.046679
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0.06015	0.19444	-0.14084	0.00228	0.044995	0.33193	-0.02777	0.54946	0.060513
0.156705	0.00068	0.14312	0.00193	0.031277	0.50015	0.025764	0.57864	0.052802
0.050488	0.27623	-0.12183	0.0084	0.000427	0.99266	-0.03749	0.41891	0.039825
0.329543	2.72E-13	0.06691	0.14883	0.013921	0.76414	-0.06795	0.14257	0.124978
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-0.13584	0.00327	-0.20377	9.06E-06	-0.04818	0.29884	-0.1171	0.01132	-0.06122
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0.278734	8.83E-10	-0.03513	0.44888	-0.01605	0.72938	-0.1493	0.00121	-0.09226
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0.04629	0.31819	-0.14833	0.00131	-0.02887	0.53369	-0.09002	0.05188	-0.11915
0.190851	3.30E-05	0.305104	1.62E-11	0.066489	0.15141	0.117326	0.01117	0.22106
0.194368	2.34E-05	-0.0631	0.17343	-0.02143	0.64408	-0.11652	0.01174	-0.08819
0.170593	0.00021	-0.00422	0.92746	-0.00378	0.93514	-0.13665	0.00309	-0.07326
0.104057	0.02453	0.014069	0.76171	0.013072	0.77815	0.033581	0.4691	0.106996
0.108839	0.01864	0.034549	0.45637	-0.02169	0.6401	-0.04535	0.32808	0.030869
0.046362	0.31743	-0.19504	2.19E-05	-0.01235	0.79008	-0.11676	0.01157	0.038284
0.279355	8.07E-10	0.356278	2.01E-15	0.03215	0.48825	-0.02471	0.59436	0.079235
0.231971	4.00E-07	0.124115	0.00725	0.003922	0.93263	-0.01578	0.73371	0.00242
0.257135	1.73E-08	0.192991	2.68E-05	-0.00221	0.96209	-0.02451	0.59725	-0.01429
0.188357	4.20E-05	0.07959	0.08578	0.063223	0.17258	-0.00192	0.96694	0.130281
0.03175	0.49369	-0.3773	3.02E-17	-0.03473	0.45407	-0.16007	0.00052	-0.14293
0.276629	1.19E-09	0.235177	2.73E-07	0.0153	0.74157	0.019367	0.67636	0.068915
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0.180573	8.71E-05	0.031453	0.49774	0.013573	0.76988	0.038023	0.41234	0.01058
0.315793	2.84E-12	0.275429	1.42E-09	0.019515	0.67402	0.016414	0.7235	0.035987
0.197019	1.80E-05	0.138614	0.00268	-0.00135	0.97677	-0.03566	0.44204	-0.0514
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0.10258	0.02665	0.056453	0.22335	-0.00055	0.99061	0.005748	0.9014	0.032409
0.05131	0.26848	-0.0826	0.07455	-0.0053	0.90899	-0.01862	0.68818	0.005489
0.171695	0.00019	0.125097	0.00679	0.001993	0.96575	-0.01764	0.70378	0.102794
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0.423858	8.72E-22	0.493731	4.56E-30	0.026739	0.56436	-0.06201	0.18095	0.123846
0.051731	0.26456	-0.06822	0.141	0.008347	0.85723	0.106204	0.02171	0.031451
0.084488	0.06813	-0.05594	0.22759	0.0073	0.87498	-0.16933	0.00024	8.10E-05
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0.053522	0.24836	-0.07366	0.1119	0.003569	0.93869	0.028321	0.54152	0.01099
0.349119	7.84E-15	0.269032	3.47E-09	0.012093	0.79436	-0.02493	0.59106	0.133424
0.204038	8.82E-06	0.177577	0.00011	0.013037	0.77871	-0.03749	0.41892	-0.00883
0.283898	4.17E-10	0.081667	0.07789	0.022722	0.6243	0.015704	0.73501	0.085973
0.20242	1.04E-05	0.010996	0.81266	0.035641	0.44226	-0.03919	0.39819	-0.03059
0.480256	2.56E-28	-0.02655	0.56712	-0.01116	0.80984	-0.11639	0.01183	0.115393
0.081844	0.07725	-0.06677	0.1497	-0.02108	0.64958	-0.06141	0.18522	-0.04078
0.128516	0.00541	0.004699	0.91933	0.015044	0.74575	0.027404	0.5547	0.041388
0.377458	2.92E-17	0.041889	0.36642	0.004779	0.91797	-0.11018	0.01723	-0.04866
0.230604	4.70E-07	0.014646	0.75225	-0.01599	0.7303	-0.18101	8.36E-05	-0.02809
0.385707	5.16E-18	0.060245	0.19374	0.010799	0.81595	-0.02185	0.6377	0.024829

-0.09882	0.03275	-0.08466	0.06757	-0.0249	0.59148	-0.05869	0.20551	-0.06181
0.06141	0.18524	0.106453	0.0214	-0.05686	0.21999	-0.07526	0.10429	-0.18298
0.082854	0.07365	0.011316	0.80731	0.009222	0.84245	0.020605	0.65695	0.085548
0.007225	0.87625	-0.27945	7.96E-10	-0.03285	0.4788	-0.14446	0.00175	-0.13668
0.005641	0.90324	0.039676	0.39231	0.040485	0.38272	0.096044	0.03801	0.171023
0.14667	0.00148	0.173549	0.00016	0.035833	0.4398	0.00881	0.8494	0.025137
0.02571	0.57944	-0.11574	0.01232	0.007194	0.87679	-0.02843	0.54002	-0.02864
0.104471	0.02396	-0.12941	0.0051	0.00579	0.90069	-0.03604	0.43714	-0.0554
0.085442	0.06506	-0.07032	0.12916	-0.00274	0.95293	-0.01162	0.80217	-0.03141
0.119759	0.00959	-0.243	1.05E-07	0.003037	0.94782	-0.02754	0.55271	-0.05649
0.195332	2.13E-05	-0.14296	0.00196	-0.00584	0.89976	-0.00956	0.83669	-0.05957
0.128542	0.0054	-0.06554	0.15737	-0.02609	0.57385	-0.12416	0.00722	0.002845
0.302175	2.57E-11	0.316512	2.52E-12	0.013641	0.76876	-0.00405	0.93042	0.079853
0.018638	0.68788	-0.15936	0.00055	-0.00475	0.91845	-0.02931	0.52748	-0.06387
-0.02632	0.57047	0.043547	0.34774	0.066655	0.15039	-0.0055	0.90558	0.065667
0.149934	0.00115	0.002294	0.96057	0.008622	0.85258	0.022183	0.63254	0.083449
0.075594	0.10277	-0.14868	0.00127	-0.02265	0.62533	-0.10028	0.03026	-0.08383
0.090275	0.05122	-0.09761	0.03496	-0.0352	0.44792	-0.1016	0.02814	0.046142
0.023975	0.6053	0.185176	5.68E-05	-0.00962	0.83567	-0.03231	0.48611	0.018688
0.232968	3.56E-07	0.069974	0.13105	-0.02014	0.66428	-0.09274	0.04518	-0.04116
0.159578	0.00054	-0.09687	0.03638	-0.00634	0.89128	-0.08576	0.06405	0.102966
0.080292	0.08305	-0.20831	5.64E-06	-0.00757	0.87039	-0.00748	0.87195	0.012838
0.125983	0.00641	0.005447	0.90655	0.054494	0.23986	0.05676	0.22085	0.086186
0.181468	8.02E-05	-0.13834	0.00274	-0.0536	0.24767	-0.14927	0.00122	-0.09315
0.04451	0.33718	0.201269	1.17E-05	-0.02462	0.59557	0.076204	0.10002	0.078782
0.135025	0.00346	0.109581	0.01784	0.005316	0.90879	-0.13531	0.00339	-0.02653
0.307367	1.13E-11	-0.04028	0.38518	-0.03184	0.49252	-0.10322	0.02571	0.047075
0.043225	0.35132	-0.15521	0.00076	-0.0094	0.8394	-0.10299	0.02605	-0.00973
0.070057	0.1306	-0.0524	0.25842	0.032493	0.48363	-0.00072	0.98767	0.12448
0.315434	3.01E-12	0.029224	0.52871	0.008739	0.85061	-0.03179	0.49319	0.081754
0.155284	0.00076	0.062354	0.17857	-0.01536	0.74056	-0.10943	0.01801	-0.01655
0.064767	0.16231	0.112683	0.01484	0.016809	0.71713	-0.02032	0.66138	0.053706
0.257027	1.76E-08	0.145399	0.00163	0.010855	0.81503	-0.04977	0.28312	0.09214
0.122532	0.00803	0.225911	8.11E-07	0.078878	0.08863	0.19318	2.63E-05	0.109225
0.302324	2.51E-11	0.172883	0.00017	0.012072	0.79473	-0.06935	0.13456	0.007683
-0.02658	0.56665	0.274843	1.54E-09	0.036086	0.43658	0.192276	2.88E-05	0.102056
0.153823	0.00085	0.290195	1.63E-10	0.082666	0.07431	0.106861	0.0209	0.302104
0.156878	0.00067	-0.02379	0.60807	0.038686	0.40424	0.023835	0.60741	0.083748
0.117864	0.0108	0.236201	2.42E-07	0.005551	0.90477	0.044718	0.33492	-0.05012
-0.19733	1.75E-05	-0.03617	0.43551	-0.04018	0.38627	0.022492	0.62781	-0.04988
0.428664	2.69E-22	0.076912	0.0969	-0.02375	0.60863	-0.09078	0.04993	-0.01838
0.195359	2.12E-05	0.0876	0.05854	0.021525	0.64268	0.020606	0.65693	0.031791
0.080996	0.08038	-0.07793	0.09254	0.00036	0.99381	-0.03781	0.41491	0.050378
0.284402	3.87E-10	0.107826	0.01977	-0.02798	0.54638	-0.11404	0.01367	0.057821
0.177544	0.00011	-0.21074	4.35E-06	0.016566	0.72104	-0.11777	0.01086	-0.02051

0.11663	0.01166	0.044001	0.34273	0.022969	0.62053	0.010688	0.81781	0.043172
0.129793	0.00497	0.052264	0.25966	-0.03733	0.42095	-0.01022	0.82558	0.19475
0.264555	6.42E-09	0.076581	0.09835	0.016325	0.72494	-0.02876	0.53524	0.154475
0.125194	0.00675	-0.07172	0.12167	-0.00834	0.85739	-0.08819	0.05687	-0.05971
0.281363	6.04E-10	0.071916	0.12067	-0.01806	0.69715	-0.04245	0.36005	0.051821
0.049933	0.28155	-0.10543	0.0227	-0.04186	0.36674	-0.11995	0.00947	-0.1044
0.313885	3.89E-12	0.248196	5.50E-08	0.044494	0.33735	0.079645	0.08557	0.195132
0.070236	0.12962	-0.0819	0.07706	0.008372	0.85681	-0.03767	0.4167	0.077413
0.103263	0.02565	-0.33011	2.46E-13	0.042224	0.36259	-0.08665	0.06135	0.05154
0.08565	0.06441	-0.20806	5.79E-06	0.010697	0.81766	-0.11175	0.01569	0.059245
0.126973	0.006	0.029197	0.52909	0.018907	0.68362	0.021199	0.64771	0.069117
0.078158	0.09159	-0.22891	5.73E-07	-0.02354	0.61193	-0.08158	0.0782	-0.09063
0.272212	2.23E-09	0.147513	0.00139	0.048378	0.29682	0.034379	0.45859	0.118781
0.1414	0.00219	-0.09728	0.03559	0.010252	0.82512	-0.03351	0.47004	0.011836
0.173746	0.00016	0.043737	0.34564	0.002658	0.95431	0.004913	0.91567	0.050855
0.172168	0.00019	0.087651	0.0584	0.024324	0.60005	-0.0509	0.2723	0.059347
0.231316	4.32E-07	0.178182	0.00011	0.068066	0.14192	0.064241	0.16576	0.107761
0.116773	0.01156	-0.15396	0.00084	-0.01408	0.76154	-0.04823	0.29835	-0.01467
0.161858	0.00045	0.115294	0.01266	0.033179	0.47444	-0.04349	0.34834	0.051662
-0.01477	0.75015	-0.0841	0.06942	-0.01182	0.7989	-0.09642	0.03725	0.013635
0.160963	0.00048	-0.14699	0.00145	-0.01442	0.756	-0.14438	0.00176	-0.08086
0.075686	0.10236	-0.1349	0.00349	-0.02794	0.54697	-0.10284	0.02627	-0.149
0.197038	1.80E-05	0.098771	0.03285	-0.0169	0.71564	-0.09508	0.03999	-0.00868
0.272145	2.25E-09	0.061961	0.18133	0.030226	0.51467	-0.12022	0.00931	-0.02308
0.13305	0.00397	-0.14911	0.00123	3.01E-05	0.99948	-0.07087	0.12617	0.097763
0.218564	1.86E-06	-0.06612	0.15368	-0.00079	0.98636	-0.10254	0.0267	0.07991
0.218788	1.81E-06	0.149335	0.00121	0.0124	0.78926	0.005912	0.89861	0.141265
0.10909	0.01837	-0.05741	0.21558	0.021093	0.64937	-0.04946	0.28612	0.073215
0.0006	0.98968	-0.13987	0.00245	0.001595	0.97257	-0.06167	0.18337	0.081377
0.112618	0.01489	0.060998	0.18822	-0.02926	0.52815	-0.04775	0.30317	-0.03034
-0.03116	0.50174	0.135902	0.00325	-0.02089	0.65258	0.062736	0.17592	0.107361
0.313725	3.99E-12	-0.12715	0.00593	-0.03218	0.48779	-0.16435	0.00036	-0.0535
0.095002	0.04015	-0.10537	0.02277	0.012826	0.78221	0.000424	0.99271	-0.12284
0.335841	8.93E-14	0.090829	0.04981	0.005949	0.89798	-0.00241	0.95855	0.08444
0.217701	2.04E-06	-0.01481	0.7495	0.002994	0.94855	-0.06627	0.15279	0.018951
0.069532	0.13351	-0.34345	2.25E-14	-0.04345	0.3488	-0.18588	5.32E-05	-0.00502
0.2275	6.75E-07	-0.07128	0.124	-0.01128	0.80786	-0.09703	0.03607	-0.10817
0.069794	0.13205	-0.14468	0.00172	-0.0249	0.59151	-0.13651	0.00312	-0.12734
0.037432	0.41965	-0.08185	0.07724	0.025023	0.58962	-0.01537	0.74039	0.059823
0.274859	1.54E-09	0.176076	0.00013	0.013475	0.77149	-0.05581	0.22864	0.175683
0.020161	0.66389	-0.15212	0.00097	0.01935	0.67662	0.010203	0.82595	0.156356
-0.00507	0.91295	-0.18588	5.31E-05	-0.0002	0.99648	-0.02985	0.51998	0.131914
0.215833	2.51E-06	0.051725	0.26462	0.021382	0.64488	-0.01816	0.69541	0.096993
0.130823	0.00463	0.004004	0.93124	-0.01652	0.72186	-0.0773	0.09523	-0.0387
0.177791	0.00011	0.091659	0.04775	0.037118	0.42357	-0.08764	0.05842	0.021082

0.169594	0.00023	-0.07736	0.09496	0.007851	0.86563	-0.16669	0.0003	0.021316
0.200105	1.32E-05	-0.00848	0.85499	0.022402	0.62918	-0.0363	0.43388	0.084064
0.374003	5.95E-17	0.088162	0.05694	-0.02232	0.63051	-0.10451	0.02391	0.055082
0.496121	2.19E-30	0.195794	2.03E-05	-0.00181	0.96889	-0.07272	0.11658	0.110145
-0.01124	0.80863	-0.34981	6.88E-15	-0.02236	0.62978	-0.15592	0.00072	-0.0122
0.067023	0.14814	-0.13697	0.00302	-0.06068	0.19055	-0.1247	0.00697	0.061054
0.171022	0.0002	-0.00214	0.96319	0.003974	0.93175	-0.08267	0.0743	0.07173
-0.15813	0.0006	-0.09272	0.04522	0.030063	0.51694	0.022398	0.62925	0.054937
0.091004	0.04937	0.011262	0.80821	0.010455	0.82172	-0.0541	0.2433	0.001935
0.101661	0.02804	-0.02648	0.56809	0.029234	0.52857	-0.00893	0.84736	0.06075
0.058379	0.20793	0.135796	0.00328	-0.00123	0.97888	0.052506	0.25746	0.187017
0.166394	0.0003	-0.14026	0.00238	-0.0603	0.19336	-0.21574	2.54E-06	-0.08794
0.179241	9.83E-05	-0.03481	0.45294	-0.02419	0.60211	-0.20646	6.85E-06	-0.07992
0.075747	0.10208	-0.03101	0.5038	0.02371	0.60929	-0.0809	0.08072	0.103322
0.129183	0.00518	-0.11118	0.01623	0.008937	0.84726	-0.0777	0.09352	-0.01451
0.19822	1.60E-05	0.091473	0.0482	0.030878	0.50563	-0.03376	0.46672	0.09557
0.206772	6.63E-06	0.167537	0.00028	-0.00072	0.98766	-0.07021	0.12973	0.097054
0.227722	6.58E-07	0.113314	0.01428	0.006035	0.89651	-0.02478	0.5933	0.120135
0.368515	1.81E-16	0.18382	6.45E-05	0.034789	0.45325	-0.01513	0.74437	0.099775
-0.06863	0.13866	-0.13789	0.00283	0.015592	0.73682	-0.01483	0.74923	0.040937
-0.07317	0.11432	-0.40431	8.59E-20	-0.01155	0.8034	-0.14137	0.0022	-0.06403
0.039131	0.39885	0.000909	0.98437	-0.04809	0.29972	-0.0799	0.08458	-0.07011
0.174811	0.00015	0.061526	0.18441	0.004804	0.91753	-0.05026	0.27838	0.133379
0.116044	0.01209	-0.09404	0.04223	0.009295	0.84121	-0.04027	0.38521	0.045947
0.261544	9.64E-09	0.160186	0.00051	0.045088	0.33093	0.028191	0.54339	0.052803
0.189855	3.64E-05	0.229485	5.36E-07	0.054054	0.24368	0.063458	0.17099	0.062171
-0.12972	0.00499	-0.24292	1.07E-07	-0.03927	0.39717	-0.0443	0.33948	-0.05547
-0.03145	0.49779	0.096371	0.03736	-0.03092	0.50508	-0.06561	0.15691	0.063722
0.154159	0.00083	-0.07935	0.08672	0.010548	0.82017	-0.09351	0.04341	0.075879
0.049763	0.28319	-0.15192	0.00099	-0.01371	0.76757	-0.09946	0.03163	-0.07654
0.147849	0.00135	0.143815	0.00183	0.004236	0.92725	0.0129	0.78098	0.041325
0.269543	3.24E-09	0.220987	1.42E-06	0.032847	0.47887	-0.03457	0.45615	0.172085
0.145584	0.00161	-0.01793	0.6992	0.005712	0.90202	-0.03753	0.41849	0.062264
0.224587	9.43E-07	-0.12229	0.00816	-0.00787	0.86531	-0.07845	0.09039	0.002464
-0.16804	0.00026	-0.11512	0.0128	-0.01512	0.74446	0.045022	0.33164	-0.04401
0.197691	1.68E-05	0.154363	0.00082	0.019321	0.67708	-0.01592	0.73144	0.103124
0.126193	0.00632	0.130075	0.00487	0.029479	0.52512	-0.00993	0.83053	0.165644
0.118559	0.01034	-0.19224	2.88E-05	-0.0133	0.77429	-0.09757	0.03503	-0.0597
0.347932	9.79E-15	0.366226	2.87E-16	0.008484	0.85492	-0.03047	0.51124	0.034528
0.18899	3.95E-05	0.08718	0.05977	-0.007	0.88003	-0.01772	0.70254	0.005266
0.134317	0.00364	0.064049	0.16703	-0.03118	0.50145	-0.04926	0.28808	-0.03966
0.138419	0.00272	-0.08119	0.07966	0.020625	0.65664	0.030748	0.50743	0.098124
0.21424	2.99E-06	-0.03624	0.43468	-0.0239	0.60648	-0.07024	0.12957	0.045277
-0.01788	0.69989	-0.40349	1.03E-19	0.035842	0.43969	-0.06735	0.14615	0.127646
0.009166	0.8434	-0.22875	5.84E-07	0.011199	0.80927	-0.0805	0.08226	-0.04474

-0.11392	0.01377	-0.16929	0.00024	0.127136	0.00594	0.157279	0.00065	0.286222
0.088166	0.05692	-0.02163	0.64099	-0.02577	0.57856	-0.06198	0.18119	-0.16398
0.281808	5.66E-10	0.370299	1.26E-16	0.072854	0.11589	0.034848	0.45249	0.36792
0.070362	0.12893	-0.1609	0.00048	0.04999	0.281	0.006835	0.88288	0.129776
0.351841	4.69E-15	0.148688	0.00127	0.050645	0.27474	-0.03166	0.49486	0.139377
0.090359	0.05101	-0.32652	4.61E-13	-0.0019	0.96739	-0.12454	0.00705	-0.01437
0.030615	0.50927	-0.21885	1.80E-06	0.048714	0.29348	-0.06482	0.16196	-0.01625
0.175898	0.00013	-0.02321	0.6168	0.031828	0.49262	0.014339	0.75728	0.062833
-0.04225	0.36224	-0.25386	2.66E-08	-0.00244	0.95813	-0.01143	0.80542	-0.03229
0.261087	1.02E-08	0.185305	5.61E-05	0.008588	0.85316	-0.08841	0.05623	-0.0426
0.355504	2.33E-15	0.236263	2.40E-07	-0.0253	0.58552	-0.16825	0.00026	-0.05039
0.148949	0.00125	0.172568	0.00018	-0.016	0.73024	-0.07869	0.08941	-0.0333
0.083747	0.07059	-0.23688	2.23E-07	0.019575	0.67307	-0.1238	0.0074	-0.04402
0.213397	3.27E-06	0.06248	0.17769	0.00764	0.86921	-0.02265	0.62536	0.008083
0.024973	0.59036	-0.14666	0.00148	0.000183	0.99686	-0.11882	0.01017	0.000655
0.204215	8.66E-06	0.134519	0.00359	0.019049	0.68137	-0.00917	0.84337	0.030946
0.347415	1.08E-14	0.416665	4.89E-21	-0.01207	0.79467	-0.08836	0.05637	-0.01541
0.259842	1.21E-08	0.111878	0.01557	0.006713	0.88497	-0.05917	0.20183	0.008542
0.200515	1.27E-05	0.256709	1.83E-08	0.033814	0.46601	-0.05977	0.19729	0.085862
0.205703	7.42E-06	-0.02148	0.64337	-0.03517	0.44833	-0.14641	0.00151	-0.06677
0.276722	1.18E-09	-0.0588	0.20468	0.011066	0.81148	-0.07029	0.12933	0.002595
-0.15644	0.00069	-0.07263	0.117	-0.03336	0.47201	-0.01417	0.76004	0.015135
0.196917	1.82E-05	0.02183	0.63797	0.028872	0.53369	-0.05899	0.20319	0.010685
-0.07011	0.13031	-0.09404	0.04222	-0.03252	0.48325	-0.04146	0.37135	-0.11211
-0.05398	0.24433	-0.36463	3.93E-16	0.002583	0.95561	-0.10324	0.02568	0.036906
0.201156	1.19E-05	0.012071	0.79473	-0.02155	0.64223	-0.06488	0.16157	0.123859
0.017803	0.70119	-0.24708	6.33E-08	-0.04281	0.35596	-0.17753	0.00011	0.03941
0.116305	0.0119	0.168441	0.00026	-0.00128	0.97797	-0.00502	0.91377	0.138728
0.146087	0.00155	0.021131	0.64877	-0.03411	0.46209	0.001559	0.97319	-0.03416
0.382729	9.70E-18	0.323164	8.19E-13	0.035471	0.44443	-0.03606	0.43691	0.091826
0.026305	0.57069	-0.19834	1.58E-05	-0.0652	0.15954	-0.17277	0.00018	-0.08068
0.13154	0.00441	-0.11467	0.01315	-0.03734	0.42082	-0.09103	0.04929	-0.04282
-0.06493	0.16125	-0.30695	1.20E-11	-0.01568	0.73534	-0.07927	0.08705	-0.07249
0.042548	0.35893	-0.14453	0.00174	-0.00616	0.89445	-0.07342	0.1131	-0.0157
0.362377	6.14E-16	0.147325	0.00141	0.062659	0.17645	-0.03371	0.46737	0.11928
0.508252	4.84E-32	0.11569	0.01236	0.021054	0.64997	-0.00764	0.86915	-0.05313
0.35191	4.63E-15	0.135619	0.00332	-0.00284	0.95123	-0.09129	0.04866	-0.02172
0.344496	1.85E-14	-0.01457	0.75346	0.046621	0.31474	-0.08027	0.08312	-0.159
-0.34658	1.26E-14	-0.3189	1.69E-12	0.032933	0.47772	0.004273	0.92662	-0.02622
0.560728	5.03E-40	0.361161	7.79E-16	0.082	0.07668	0.028233	0.54278	0.364563
0.39923	2.70E-19	0.021616	0.64127	0.024709	0.5943	0.049506	0.28569	-0.01169
0.299304	4.04E-11	0.05713	0.21784	-0.03794	0.41342	-0.05234	0.25893	-0.04267
0.738517	1.25E-81	0.377855	2.69E-17	0.032801	0.47949	-0.07243	0.11805	0.012542
0.546739	9.30E-38	0.130476	0.00474	-0.0406	0.38139	-0.12982	0.00496	-0.11886
0.325946	5.08E-13	0.032358	0.48545	-0.04006	0.38778	-0.04928	0.28792	-0.03419

0.334824	1.07E-13	0.11174	0.0157	-0.0263	0.57075	-0.05625	0.22504	-0.04807
0.299005	4.23E-11	0.321094	1.17E-12	-0.05022	0.27877	-0.00256	0.95599	-0.07066
0.917343	#####	0.460236	7.37E-26	0.016142	0.72791	-0.09277	0.0451	-0.0261
0.290432	1.58E-10	0.335899	8.84E-14	0.033979	0.46384	-0.07491	0.10594	0.224947
0.337136	7.08E-14	0.103243	0.02568	-0.04828	0.29779	-0.06656	0.15097	-0.02829
0.462375	4.10E-26	0.271519	2.46E-09	0.054292	0.2416	0.028813	0.53453	0.055704
0.29651	6.23E-11	0.269995	3.04E-09	-0.02832	0.54148	-0.11624	0.01195	-0.0889
0.345451	1.55E-14	0.126918	0.00602	0.00175	0.96991	-0.11187	0.01558	0.062317
-0.50211	3.40E-31	-0.41531	6.73E-21	0.016172	0.72741	0.117502	0.01105	-0.05077
0.432254	1.11E-22	0.07269	0.11672	-0.00518	0.91119	-0.07792	0.0926	-0.05557
0.394607	7.51E-19	0.322236	9.60E-13	-0.0072	0.87675	-0.03161	0.49565	-0.01039
0.244247	9.03E-08	0.126753	0.00609	-0.0899	0.05221	-0.22535	8.65E-07	-0.2446
0.316725	2.43E-12	0.085645	0.06442	-0.00132	0.97724	-0.07677	0.09752	0.047365
0.401864	1.49E-19	0.356329	1.99E-15	0.053119	0.25195	-0.11432	0.01344	0.129154
0.420001	2.21E-21	0.476966	6.66E-28	0.008896	0.84795	0.030381	0.51251	0.162797
0.453511	4.55E-25	0.348643	8.57E-15	0.000423	0.99273	-0.08492	0.06672	0.02017
0.924008	#####	0.381456	1.27E-17	-0.00609	0.89558	-0.1156	0.01243	-0.0504
0.277617	1.04E-09	0.250459	4.12E-08	-0.0513	0.2686	-0.00707	0.87881	-0.1119
0.797535	#####	0.434917	5.67E-23	0.043357	0.34985	-0.03996	0.38895	-0.01241
0.249543	4.63E-08	0.167129	0.00029	0.007647	0.86909	0.07205	0.11998	0.025564
0.299707	3.79E-11	0.207077	6.42E-06	0.021361	0.64521	-0.00877	0.85014	-0.07049
0.926646	#####	0.358173	1.39E-15	0.007937	0.86417	-0.12415	0.00723	0.002764
0.362383	6.13E-16	-0.06797	0.14247	0.002718	0.95328	-0.0391	0.39923	-0.01088
-0.23987	1.55E-07	-0.16551	0.00033	-0.01892	0.68337	0.028407	0.5403	-0.02225
0.38568	5.19E-18	0.517438	2.43E-33	0.007408	0.87315	0.059578	0.19873	-0.06343
0.768848	2.37E-92	0.396111	5.39E-19	-0.04877	0.29296	-0.14036	0.00237	-0.12591
0.88634	#####	0.413844	9.51E-21	-0.0141	0.76128	-0.08491	0.06674	-0.05703
0.853426	#####	0.408881	3.02E-20	0.102561	0.02667	-0.03367	0.46796	0.143061
0.821146	#####	0.389512	2.28E-18	-0.01566	0.73573	-0.09468	0.04083	0.036341
0.926236	#####	0.423893	8.65E-22	-0.00908	0.84477	-0.1262	0.00632	-0.05061
0.452789	5.52E-25	0.207608	6.07E-06	-0.03169	0.49455	-0.13197	0.00428	-0.05027
0.273734	1.80E-09	0.173906	0.00016	-0.08022	0.08331	-0.04644	0.31662	-0.12983
0.371335	1.03E-16	0.109048	0.01841	0.008386	0.85657	-0.02103	0.6503	-0.04304
0.339279	4.81E-14	0.287648	2.39E-10	0.017522	0.70567	0.034706	0.45433	0.117495
0.383191	8.80E-18	-0.08549	0.06491	-0.05808	0.21028	-0.09822	0.03383	-0.27495
-0.3428	2.53E-14	-0.27874	8.82E-10	0.003371	0.94209	0.06456	0.16366	-0.03646
0.332185	1.71E-13	0.477798	5.23E-28	0.023474	0.61287	-0.13373	0.00379	0.02876
0.313662	4.04E-12	0.31252	4.87E-12	-0.02272	0.62433	-0.05228	0.25955	-0.13882
0.354722	2.71E-15	0.278637	8.95E-10	-0.02196	0.63592	0.010967	0.81315	-0.10458
0.466186	1.42E-26	0.408181	3.54E-20	-0.03265	0.48157	-0.0535	0.24857	-0.06751
0.299042	4.21E-11	0.30399	1.93E-11	-0.05092	0.27214	-0.029	0.53191	-0.16214
0.837416	#####	0.179516	9.59E-05	-0.01488	0.74835	-0.10893	0.01854	-0.07786
0.691868	8.98E-68	0.365893	3.06E-16	0.04532	0.32844	-0.04223	0.36251	0.141407
0.328911	3.04E-13	0.278807	8.74E-10	0.024399	0.59894	-0.07225	0.11897	0.153047
0.584269	4.30E-44	0.544724	1.93E-37	0.015152	0.74399	-0.1066	0.02123	0.141274



0.865696	#####	0.327698	3.75E-13	-0.00065	0.98884	-0.12735	0.00585	-0.06483
0.705104	1.99E-71	0.593244	9.86E-46	0.041633	0.36936	0.059053	0.20272	0.21736
0.73603	8.10E-81	0.355305	2.42E-15	0.076579	0.09836	0.019504	0.6742	0.085445
0.835211	#####	0.388713	2.71E-18	-0.01561	0.7365	-0.0872	0.05969	-0.01608
0.382906	9.35E-18	-0.08722	0.05964	0.007995	0.86319	-0.05189	0.26314	0.003792
0.325034	5.95E-13	0.462694	3.75E-26	0.010446	0.82187	0.070817	0.12647	-0.02341
0.401107	1.77E-19	0.341734	3.08E-14	0.010562	0.81992	0.123737	0.00743	0.036084
0.766506	1.82E-91	0.327442	3.92E-13	0.017822	0.70088	-0.03089	0.50545	0.023504
0.723062	1.00E-76	0.143134	0.00193	-0.0327	0.48088	-0.11674	0.01158	-0.02585
0.506081	9.68E-32	-0.054	0.24415	0.002922	0.94979	-0.16802	0.00027	-0.03625
0.562593	2.46E-40	0.342977	2.45E-14	-0.04309	0.3528	-0.11968	0.00963	-0.08574
0.464173	2.49E-26	0.165174	0.00034	0.006693	0.88531	-0.12397	0.00731	-0.06949
0.938191	#####	0.434852	5.77E-23	-0.02353	0.61206	-0.11591	0.01219	-0.04415
0.172953	0.00017	0.004002	0.93126	-0.02037	0.66059	-0.06621	0.15314	-0.14302
0.828088	#####	0.350225	6.37E-15	-0.01958	0.67304	-0.10493	0.02334	-0.04352
0.388423	2.88E-18	-0.06841	0.13992	-0.02241	0.62911	-0.08797	0.05749	-0.08404
0.332976	1.49E-13	0.147524	0.00139	0.096192	0.03771	0.24172	1.24E-07	-0.05776
0.401078	1.78E-19	0.094319	0.04162	0.074716	0.10684	0.168116	0.00026	-0.07116
-0.26366	7.24E-09	0.072323	0.11858	0.051019	0.27121	0.099898	0.03089	0.140685
0.941951	#####	0.479171	3.51E-28	0.005964	0.89772	-0.11356	0.01407	-0.01294
0.359683	1.04E-15	0.330974	2.12E-13	-0.03291	0.47809	-0.00685	0.88267	-0.02972
0.573837	3.00E-42	0.092205	0.04643	0.009191	0.84297	-0.0397	0.39201	-0.03872
0.322029	9.94E-13	0.390678	1.77E-18	0.092229	0.04637	0.30316	2.20E-11	0.208944
0.596342	2.60E-46	0.167001	0.00029	-0.03718	0.42284	-0.13892	0.00262	-0.12378
0.565906	6.83E-41	0.302913	2.29E-11	0.056748	0.22094	0.013747	0.76701	0.146352
0.560622	5.23E-40	0.674841	2.36E-63	-0.00238	0.95909	-0.06445	0.16435	-0.02196
0.357774	1.51E-15	0.027249	0.55694	-0.00088	0.98486	-0.11844	0.01042	0.03879
0.476272	8.13E-28	-0.05308	0.25231	-0.01185	0.79837	-0.17785	0.00011	-0.03502
0.445456	3.82E-24	0.542466	4.36E-37	0.071229	0.12427	0.105431	0.02269	0.291225
0.300938	3.13E-11	0.153703	0.00086	-0.0447	0.33517	-0.05923	0.20141	0.152609
0.706886	6.19E-72	0.178432	0.00011	-0.01037	0.82309	-0.14534	0.00164	-0.04006
0.886653	#####	0.275068	1.49E-09	-0.00099	0.98299	-0.1564	0.00069	-0.0666
0.893772	#####	0.487184	3.30E-29	-0.00523	0.91031	-0.10884	0.01863	-0.00318
0.85672	#####	0.309842	7.54E-12	-0.01269	0.78445	-0.1117	0.01574	-0.0082
0.254671	2.39E-08	0.406763	4.91E-20	0.053415	0.2493	0.114262	0.01348	0.239807
0.392142	1.29E-18	0.415275	6.79E-21	0.016668	0.7194	-0.10031	0.03021	0.051816
0.473619	1.74E-27	0.685806	3.65E-66	0.004226	0.92743	-0.09868	0.033	0.031621
0.299723	3.78E-11	0.083052	0.07296	0.017476	0.70642	-0.0394	0.39567	0.159601
0.346295	1.33E-14	0.113777	0.01389	0.022986	0.62028	-0.0499	0.28182	-0.01184
0.332191	1.71E-13	0.137951	0.00281	0.063465	0.17094	0.114386	0.01338	0.058273
0.31332	4.27E-12	-0.0351	0.44925	0.004375	0.92488	-0.0541	0.24324	-0.0582
0.704083	3.87E-71	0.19331	2.60E-05	-0.02814	0.54415	-0.10835	0.01918	-0.06238
0.418988	2.82E-21	0.171975	0.00019	-0.06401	0.1673	-0.20352	9.30E-06	-0.07026
0.380688	1.49E-17	0.207364	6.23E-06	-0.01331	0.77416	-0.07923	0.0872	0.07646
0.509088	3.70E-32	0.45044	1.03E-24	-0.00959	0.83619	-0.08111	0.07995	-0.00651

-0.30443	1.80E-11	-0.26118	1.01E-08	-0.04774	0.30324	0.127051	0.00597	-0.15645
0.504877	1.42E-31	0.220984	1.42E-06	-0.00065	0.98883	-0.06285	0.17512	-0.08375
0.703754	4.79E-71	0.401978	1.46E-19	0.019792	0.66966	-0.07642	0.09907	-0.0155
0.386717	4.16E-18	0.367839	2.08E-16	-0.00673	0.88475	-0.03117	0.50163	-0.10408
0.402433	1.31E-19	0.107916	0.01967	-0.03434	0.45907	-0.08704	0.06017	-0.01219
0.587095	1.33E-44	0.221665	1.31E-06	-0.00739	0.87348	-0.07911	0.08769	0.053437
0.585111	3.03E-44	0.355677	2.26E-15	-0.03211	0.48886	-0.1091	0.01835	-0.06568
0.794955	#####	0.412458	1.32E-20	0.003009	0.94829	-0.10251	0.02676	-0.06197
-0.26929	3.35E-09	-0.30147	2.87E-11	0.008109	0.86126	0.080586	0.08192	-0.07586
0.411034	1.83E-20	0.077348	0.09501	-0.01584	0.73286	0.027527	0.55293	-0.1931
0.602161	2.05E-47	0.066803	0.14948	-0.01078	0.81621	-0.05902	0.20298	0.042673
0.655253	1.27E-58	0.384765	6.30E-18	-0.01968	0.67135	-0.0799	0.08457	0.058233
0.769301	1.60E-92	0.268998	3.49E-09	-0.03022	0.51477	-0.10651	0.02133	-0.00987
0.313541	4.12E-12	0.218972	1.78E-06	0.030798	0.50673	0.078813	0.0889	-0.07838
0.398413	3.24E-19	0.03065	0.50878	0.042045	0.36463	0.033482	0.47041	0.097136
0.791735	#####	0.1467	0.00148	-0.01803	0.69751	-0.1577	0.00063	-0.11674
0.676081	1.15E-63	0.302818	2.33E-11	0.018728	0.68645	-0.11415	0.01357	0.032475
0.353684	3.31E-15	-0.26528	5.82E-09	-0.05171	0.2648	-0.19503	2.19E-05	-0.21161
0.586648	1.60E-44	0.259117	1.33E-08	0.05675	0.22093	-0.01848	0.69042	-0.01471
-0.291	1.44E-10	-0.15963	0.00054	0.085522	0.06481	0.177662	0.00011	0.088832
0.594759	5.15E-46	0.632493	1.51E-53	0.005221	0.9104	-0.14718	0.00143	-0.00314
0.438698	2.18E-23	0.052162	0.2606	0.022814	0.62289	0.013211	0.77584	-0.01392
0.806085	#####	0.336565	7.85E-14	0.003038	0.94779	-0.10939	0.01805	-0.04609
0.840019	#####	0.402241	1.37E-19	0.004589	0.92122	-0.08721	0.05967	0.096327
0.529369	4.36E-35	0.052334	0.25903	0.051648	0.26534	-0.05668	0.22151	-0.01245
0.589238	5.40E-45	0.018262	0.69386	0.027872	0.54796	-0.0314	0.49853	-0.03263
0.900929	#####	0.444715	4.63E-24	-0.00757	0.87041	-0.11171	0.01573	-0.07546
0.437385	3.04E-23	0.307372	1.12E-11	-0.00183	0.9685	0.027711	0.55027	0.188041
0.714244	4.51E-74	0.341775	3.06E-14	-0.04895	0.29118	-0.09882	0.03276	-0.10018
0.654606	1.80E-58	0.418551	3.13E-21	-0.0238	0.60801	0.042613	0.35818	0.265636
0.866773	#####	0.323736	7.43E-13	-0.00147	0.97468	-0.12891	0.00527	-0.00949
0.615442	5.11E-50	0.185882	5.31E-05	-0.03809	0.41149	-0.1877	4.47E-05	-0.02225
0.789694	#####	0.310981	6.26E-12	-0.04125	0.37374	-0.11319	0.01439	-0.03887
0.441828	9.77E-24	0.189953	3.60E-05	0.02222	0.63197	-0.00061	0.98944	-0.03406
0.419961	2.23E-21	0.014002	0.76282	-0.01737	0.70804	-0.15727	0.00065	-0.03496
0.575482	1.55E-42	0.481255	1.91E-28	0.025428	0.58361	0.014408	0.75614	0.006799
0.458984	1.04E-25	-0.01772	0.70251	-0.01968	0.67149	-0.13841	0.00272	-0.02252
0.342205	2.82E-14	-0.13524	0.00341	-0.01103	0.81206	-0.12786	0.00566	-0.13021
0.681211	5.69E-65	0.323099	8.29E-13	-0.06967	0.13272	-0.18709	4.74E-05	-0.13364
0.377229	3.06E-17	0.368384	1.86E-16	0.012379	0.78961	-0.14118	0.00223	-0.01393
0.540004	1.05E-36	0.133477	0.00386	-0.01494	0.7474	-0.08932	0.05373	-0.0101
0.346805	1.21E-14	0.177034	0.00012	0.011353	0.80669	-0.07521	0.10453	0.137201
0.929228	#####	0.492121	7.44E-30	0.020771	0.65436	-0.09283	0.04496	0.015458
0.774346	1.80E-94	0.593892	7.47E-46	-0.00677	0.88408	-0.05162	0.26557	0.025865
0.722212	1.83E-76	0.323395	7.88E-13	-0.01242	0.78891	-0.03803	0.41226	0.1118

0.907496	#####	0.439354	1.84E-23	-0.00154	0.97347	-0.08141	0.07885	-0.0252
0.700647	3.57E-70	0.275155	1.47E-09	-0.03804	0.41209	-0.07368	0.11183	0.010163
0.692536	5.94E-68	0.269628	3.20E-09	-0.0067	0.88526	-0.1197	0.00962	-0.08491
0.716593	9.07E-75	0.381043	1.38E-17	0.037093	0.42388	-0.05787	0.2119	0.030609
0.386566	4.29E-18	0.467088	1.11E-26	0.088421	0.05621	0.010715	0.81736	0.201891
0.398506	3.17E-19	0.313962	3.84E-12	0.016901	0.71565	-0.03803	0.41221	0.045931
-0.29525	7.57E-11	0.016285	0.72559	0.041808	0.36734	0.125649	0.00655	0.083973
0.343912	2.06E-14	-0.04936	0.28709	-0.04863	0.29433	-0.21997	1.59E-06	-0.09457
0.511777	1.55E-32	0.177042	0.00012	0.037831	0.41471	-0.03155	0.49646	0.069698
0.522945	3.88E-34	0.196198	1.95E-05	0.011403	0.80585	0.017238	0.71023	0.014985
0.469766	5.21E-27	0.261745	9.38E-09	0.044328	0.33915	-0.00335	0.94242	-0.01894
0.922994	#####	0.449068	1.48E-24	-0.01121	0.80909	-0.13636	0.00315	-0.05195
0.36828	1.90E-16	0.25811	1.52E-08	-0.00651	0.88848	-0.01596	0.7309	0.075936
0.309833	7.55E-12	0.28072	6.63E-10	-0.01812	0.69608	-0.18214	7.54E-05	-0.06571
0.896688	#####	0.481072	2.01E-28	-0.0026	0.95527	-0.13747	0.00291	-0.00928
0.877914	#####	0.535165	5.82E-36	-0.01402	0.76247	-0.14069	0.00231	-0.0129
0.693571	3.12E-68	0.324792	6.20E-13	0.019593	0.67279	-0.08846	0.0561	0.053696
0.811578	#####	0.306727	1.25E-11	-0.0414	0.37203	-0.11028	0.01712	-0.08263
-0.29017	1.64E-10	-0.37852	2.34E-17	0.005542	0.90492	0.057053	0.21846	-0.01647
0.463754	2.80E-26	0.28955	1.80E-10	-0.01231	0.79073	-0.07567	0.10244	0.001106
0.232447	3.78E-07	-0.19765	1.69E-05	0.002106	0.9638	-0.03059	0.50959	-0.14534
0.848187	#####	0.479511	3.18E-28	0.023408	0.61387	-0.09602	0.03806	0.072466
0.574003	2.81E-42	0.161111	0.00047	-0.04753	0.30537	-0.21777	2.03E-06	-0.0709
0.781323	3.00E-97	0.329195	2.89E-13	-0.02218	0.63251	-0.12768	0.00573	-0.03361
0.585431	2.66E-44	0.24902	4.95E-08	-0.0595	0.19928	-0.13546	0.00336	-0.09486
0.887088	#####	0.425968	5.22E-22	0.025373	0.58442	-0.10549	0.02262	0.016513
0.559132	9.24E-40	0.035913	0.43878	-0.02209	0.63395	-0.1132	0.01438	-0.09678
0.34421	1.95E-14	0.074356	0.10855	-0.00302	0.94819	-0.04331	0.35038	-0.03234
0.411003	1.85E-20	0.352076	4.49E-15	0.006421	0.88993	0.065926	0.15491	-0.04655
0.87263	#####	0.321787	1.04E-12	-0.04889	0.29172	-0.1431	0.00193	-0.14104
0.704887	2.29E-71	0.186095	5.21E-05	0.005391	0.9075	-0.1414	0.00219	-0.09143
0.89998	#####	0.320287	1.34E-12	-0.01482	0.74944	-0.13852	0.0027	-0.04441
0.720323	6.86E-76	0.342328	2.76E-14	0.024731	0.59397	-0.0576	0.21404	0.110188
0.369021	1.64E-16	0.394235	8.15E-19	0.007599	0.8699	-0.10461	0.02378	0.008514
0.904753	#####	0.3144	3.57E-12	-0.02121	0.6475	-0.12167	0.00849	-0.06356
0.483722	9.23E-29	0.376356	3.67E-17	-0.03851	0.40634	-0.08505	0.06631	-0.08001
0.822773	#####	0.339765	4.41E-14	-0.03974	0.39151	-0.12258	0.008	-0.00441
0.89166	#####	0.370704	1.17E-16	-0.02417	0.60238	-0.16451	0.00036	-0.08054
0.582163	1.03E-43	0.179766	9.37E-05	0.016286	0.72556	-0.04589	0.3224	-0.01775
0.809359	#####	0.279629	7.76E-10	-0.00808	0.86168	-0.10413	0.02442	-0.05892
0.936904	#####	0.404469	8.28E-20	-0.01266	0.785	-0.14104	0.00225	-0.04793
0.846783	#####	0.254043	2.59E-08	-0.01097	0.81313	-0.1219	0.00836	-0.07936
0.580665	1.90E-43	0.294497	8.49E-11	-0.01717	0.71126	-0.12388	0.00736	-0.04488
-0.31639	2.57E-12	-0.02065	0.65629	0.027254	0.55686	0.253195	2.90E-08	0.217772
0.602201	2.02E-47	0.130739	0.00466	-0.00754	0.87085	-0.09229	0.04622	-0.08247

0.420474	1.97E-21	0.32958	2.70E-13	-0.02934	0.52708	-0.00322	0.94462	-0.04082
0.32258	9.05E-13	-0.03099	0.50413	-0.00332	0.94292	-0.01163	0.80204	-0.07692
0.929045	#####	0.409672	2.51E-20	-0.00533	0.90852	-0.1251	0.00679	-0.07076
0.384817	6.23E-18	0.272318	2.20E-09	0.009491	0.83792	-0.03131	0.49971	0.074796
0.611957	2.53E-49	0.261012	1.03E-08	0.012513	0.78739	0.024605	0.59586	-0.06028
0.346249	1.34E-14	0.017676	0.70322	-0.00079	0.98641	-0.12203	0.00829	0.018657
0.83108	#####	0.501923	3.60E-31	-0.0088	0.84951	-0.08988	0.05224	-0.02893
0.904824	#####	0.438022	2.59E-23	0.008652	0.85207	-0.08735	0.05926	0.032014
0.646233	1.47E-56	0.169689	0.00023	-0.05026	0.27836	-0.12927	0.00514	-0.11597
0.896895	#####	0.398596	3.11E-19	-0.00237	0.95918	-0.12419	0.00721	-0.0239
0.875647	#####	0.461778	4.83E-26	-0.00426	0.92684	-0.12278	0.0079	-0.01746
0.359303	1.12E-15	0.115699	0.01235	0.017219	0.71054	-0.05756	0.21443	0.061491
0.440301	1.45E-23	-0.00545	0.90657	0.029989	0.51797	0.015704	0.735	-0.06061
0.807584	#####	0.432144	1.14E-22	-0.00101	0.9826	-0.04284	0.35564	0.133419
0.392487	1.19E-18	0.250593	4.05E-08	-0.01123	0.80879	-0.12077	0.00899	-0.01969
-0.23939	1.64E-07	-0.43337	8.37E-23	0.015363	0.74056	-0.03251	0.48337	0.00532
0.360522	8.83E-16	-0.13197	0.00428	-0.02761	0.55179	-0.15426	0.00082	-0.09922
0.432386	1.07E-22	0.248095	5.57E-08	-0.03503	0.45007	-0.08066	0.08163	-0.15384
0.552985	9.32E-39	0.483205	1.08E-28	-0.00867	0.85169	0.025241	0.58638	-0.14716
0.259538	1.26E-08	0.334167	1.20E-13	-0.00431	0.92605	-0.02558	0.5813	-0.00241
0.413684	9.87E-21	0.30637	1.32E-11	-0.03544	0.44478	-0.12287	0.00785	-0.05728
0.618327	1.34E-50	0.741111	1.73E-82	0.008685	0.85151	-0.0539	0.24505	-0.01199
0.749687	2.13E-85	0.228301	6.15E-07	-0.02702	0.56026	-0.12305	0.00777	0.000516
0.894612	#####	0.468043	8.46E-27	-0.00536	0.90811	-0.12804	0.00559	-0.03365
0.249017	4.95E-08	0.219892	1.60E-06	-0.02222	0.63199	-0.06556	0.15722	0.023452
0.91149	#####	0.406367	5.37E-20	-0.01207	0.79483	-0.13104	0.00456	-0.07251
0.339306	4.79E-14	0.157631	0.00063	-0.01654	0.72147	-0.03582	0.43997	-0.04185
0.876637	#####	0.365458	3.34E-16	-0.01631	0.72512	-0.12007	0.0094	-0.08717
0.873994	#####	0.3809	1.43E-17	-0.01698	0.71444	-0.14871	0.00127	-0.03657
0.515433	4.71E-33	0.375873	4.05E-17	-0.04013	0.38686	-0.08462	0.06768	-0.01874
0.783917	2.61E-98	0.324998	5.98E-13	-0.01209	0.79444	-0.12976	0.00498	-0.00805
0.266446	4.96E-09	0.021532	0.64256	-0.05148	0.26688	-0.03462	0.45544	-0.06849
0.911788	#####	0.44658	2.85E-24	0.011411	0.80572	-0.11038	0.01702	0.009279
0.8843	#####	0.459775	8.36E-26	0.009907	0.83092	-0.0403	0.3849	-0.00099
0.853479	#####	0.378848	2.19E-17	-0.03058	0.50978	-0.15835	0.00059	-0.09299
0.58873	6.68E-45	0.648278	5.08E-57	-0.01217	0.79315	-0.01345	0.77197	0.06383
0.903493	#####	0.340396	3.93E-14	-0.02739	0.55489	-0.14467	0.00172	-0.09349
0.567848	3.20E-41	0.162558	0.00042	-0.00557	0.90447	-0.09413	0.04202	-0.03344
0.61294	1.62E-49	0.419591	2.44E-21	0.013041	0.77865	-0.12974	0.00499	-0.00719
0.549494	3.39E-38	0.254101	2.58E-08	0.040448	0.38316	-0.02299	0.62027	0.176595
0.787545	#####	0.179078	9.98E-05	-0.02801	0.54597	-0.16864	0.00025	-0.07839
0.756074	1.21E-87	0.247095	6.32E-08	-0.0435	0.34829	-0.15368	0.00086	-0.14561
0.632817	1.28E-53	0.165434	0.00033	-0.01397	0.76333	-0.09068	0.05017	-0.01519
0.525321	1.74E-34	0.642806	8.56E-56	0.045532	0.32618	0.040663	0.38062	0.148067
0.903704	#####	0.414666	7.84E-21	-0.01452	0.75427	-0.13727	0.00295	-0.03101

0.821324	#####	0.563834	1.53E-40	0.018155	0.69556	-0.11259	0.01492	0.145804
0.899879	#####	0.347844	9.95E-15	-0.032	0.49027	-0.16769	0.00027	-0.07782
0.881624	#####	0.434273	6.67E-23	-0.02621	0.57213	-0.12556	0.00659	-0.00919
0.75149	5.02E-86	0.206181	7.06E-06	0.000229	0.99607	-0.11459	0.01322	0.020227
0.537448	2.61E-36	0.223001	1.13E-06	-0.03083	0.50626	-0.11284	0.01469	-0.07693
0.57204	6.13E-42	0.251069	3.81E-08	-0.0648	0.16208	-0.15342	0.00088	-0.17307
0.803222	#####	0.206275	6.99E-06	-0.00429	0.92639	-0.13113	0.00453	0.003897
0.857561	#####	0.356694	1.86E-15	-0.02051	0.65848	-0.10558	0.0225	-0.05903
0.903116	#####	0.400288	2.13E-19	-0.01496	0.74713	-0.14238	0.00204	-0.06624
0.835674	#####	0.1971	1.79E-05	-0.03451	0.45694	-0.14601	0.00156	-0.06656
0.833605	#####	0.394338	7.97E-19	0.003226	0.94458	-0.07046	0.12838	0.038943
0.901174	#####	0.445665	3.61E-24	-0.01243	0.78871	-0.10988	0.01753	-0.03881
0.397804	3.71E-19	0.334918	1.05E-13	-0.00756	0.87049	-0.04385	0.34439	0.020648
0.822145	#####	0.422409	1.24E-21	0.003766	0.93531	-0.09309	0.04435	-0.05786
0.893856	#####	0.361716	6.99E-16	0.025238	0.58643	-0.1175	0.01105	-0.00559
0.531171	2.34E-35	-0.00055	0.99054	-0.02468	0.59467	-0.1227	0.00794	-0.10045
0.704103	3.82E-71	0.234139	3.10E-07	-0.05445	0.24021	-0.20001	1.33E-05	-0.02416
0.661485	4.35E-60	0.179157	9.91E-05	-0.0356	0.44278	-0.15447	0.00081	0.071153
0.846942	#####	0.422635	1.17E-21	-0.00993	0.8306	-0.14439	0.00176	-0.07987
0.563406	1.80E-40	0.060949	0.18857	-0.04063	0.38099	-0.14685	0.00146	-0.08918
0.441822	9.79E-24	0.052387	0.25854	-0.00483	0.91715	-0.03587	0.4393	-0.03886
0.495748	2.45E-30	0.468179	8.15E-27	-0.01957	0.67309	-0.0075	0.87154	0.086146
0.601417	2.85E-47	0.004385	0.9247	-0.05411	0.24321	-0.17987	9.29E-05	-0.11931
0.875265	#####	0.442653	7.90E-24	-0.01487	0.74865	-0.08142	0.07881	-0.0308
0.677287	5.72E-64	0.196099	1.97E-05	-0.03311	0.47534	-0.11357	0.01406	-0.09075
0.569613	1.60E-41	0.119129	0.00998	-0.02413	0.603	-0.10601	0.02195	-0.06136
0.163355	0.00039	0.318851	1.70E-12	0.056093	0.22632	0.228879	5.75E-07	0.039808
0.388855	2.63E-18	0.409207	2.80E-20	0.043505	0.34821	0.012444	0.78854	-0.04167
0.615731	4.47E-50	0.592267	1.50E-45	0.020922	0.65201	0.005639	0.90328	-0.02087
0.432935	9.33E-23	0.339354	4.75E-14	0.062176	0.17982	0.086835	0.06079	0.191624
0.812953	#####	0.367245	2.34E-16	-0.02306	0.61917	-0.08756	0.05867	-0.10672
0.712428	1.54E-73	0.493704	4.60E-30	0.035423	0.44506	-0.07061	0.12757	0.003734
-0.53791	2.21E-36	-0.56447	1.19E-40	0.034189	0.46108	0.093317	0.04384	0.003633
0.500704	5.28E-31	0.120019	0.00943	0.004013	0.93107	-0.02279	0.62328	-0.05791
0.935583	#####	0.44437	5.06E-24	-0.01865	0.68776	-0.13361	0.00382	-0.05084
0.910594	#####	0.531251	2.28E-35	0.007696	0.86826	-0.09947	0.03162	-0.00095
0.68824	8.34E-67	0.447841	2.05E-24	-0.00573	0.9018	-0.11527	0.01268	0.063318
0.430692	1.63E-22	0.142619	0.002	-0.05472	0.23792	-0.20257	1.03E-05	-0.13172
0.347825	9.99E-15	0.485184	5.99E-29	0.107187	0.02051	0.287254	2.54E-10	0.213117
0.41678	4.76E-21	0.062406	0.1782	0.019204	0.67893	-0.01133	0.80706	0.073768
0.269812	3.12E-09	0.152463	0.00095	0.099066	0.03232	0.256692	1.84E-08	0.074882
0.631462	2.50E-53	0.443823	5.84E-24	0.038433	0.40732	0.112906	0.01464	0.020959
0.40383	9.58E-20	0.281436	5.97E-10	0.047321	0.30751	-0.10067	0.02962	0.121851
0.481849	1.60E-28	0.378547	2.33E-17	-0.00485	0.91671	0.027752	0.54968	0.129444
0.310641	6.62E-12	0.131938	0.00429	0.065482	0.15771	-0.02168	0.64021	0.203052

0.304881	1.68E-11	-0.10385	0.02481	-0.02291	0.62136	-0.11986	0.00952	0.035605
0.525682	1.54E-34	-0.11843	0.01042	-0.03249	0.4836	-0.15455	0.00081	-0.08438
0.594655	5.39E-46	0.175458	0.00014	0.010515	0.82071	-0.04905	0.29014	0.106257
0.685797	3.67E-66	0.278399	9.27E-10	-0.02991	0.51905	-0.1482	0.00132	-0.01944
-0.30759	1.09E-11	-0.24158	1.26E-07	-0.00579	0.90062	0.065163	0.15975	-0.00944
0.563227	1.93E-40	0.370307	1.26E-16	0.028498	0.539	0.012397	0.78932	0.026093
0.452931	5.31E-25	0.087701	0.05825	0.040865	0.37826	-0.03605	0.43701	0.020616
0.728786	1.68E-78	0.164878	0.00035	-0.06428	0.16551	-0.1892	3.87E-05	-0.10106
0.90188	#####	0.345566	1.52E-14	-0.00241	0.95853	-0.14629	0.00152	-0.05521
0.500494	5.64E-31	0.191502	3.10E-05	-0.05729	0.21655	-0.13322	0.00393	0.015771
0.954761	#####	0.415927	5.82E-21	0.002848	0.95105	-0.10916	0.01829	-0.01129
0.865544	#####	0.464796	2.10E-26	-0.01319	0.77619	-0.08917	0.05414	-0.04533
0.82867	#####	0.302362	2.50E-11	-0.00364	0.93746	-0.11647	0.01178	-0.02886
0.788834	#####	0.304315	1.83E-11	-0.0426	0.35836	-0.1402	0.00239	-0.05938
0.911869	#####	0.373288	6.89E-17	-0.00901	0.84605	-0.12877	0.00532	-0.03683
0.830268	#####	0.174814	0.00015	-0.01684	0.71664	-0.13713	0.00298	-0.08682
0.940334	#####	0.398607	3.10E-19	0.01417	0.76006	-0.08857	0.05579	-0.02597
0.822702	#####	0.2804	6.94E-10	-0.0303	0.51358	-0.12951	0.00506	-0.04516
0.918692	#####	0.333819	1.28E-13	0.006305	0.8919	-0.10939	0.01805	-0.01866
0.846868	#####	0.308136	9.94E-12	-0.0091	0.84446	-0.09968	0.03126	0.036322
0.844103	#####	0.287915	2.30E-10	-0.002	0.9656	-0.11509	0.01282	-0.00222
0.902241	#####	0.409758	2.46E-20	-0.00052	0.99105	-0.12329	0.00764	-0.01137
0.91009	#####	0.436311	3.99E-23	-0.00202	0.96535	-0.11407	0.01364	-0.04808
0.302851	2.31E-11	0.127023	0.00598	0.066283	0.15268	0.013193	0.77615	0.192038
0.399528	2.52E-19	0.149721	0.00117	-0.02982	0.52027	-0.07632	0.0995	-0.06364
0.673071	6.55E-63	0.305885	1.43E-11	-0.04195	0.36573	-0.08811	0.05708	0.008727
0.327407	3.95E-13	0.317376	2.18E-12	-0.03024	0.51446	-0.05616	0.22573	-0.05913
0.384047	7.34E-18	0.296633	6.11E-11	-0.00691	0.88162	-0.10691	0.02085	-0.05823
0.316799	2.40E-12	0.141487	0.00218	0.076484	0.09877	-0.02649	0.568	0.351638
0.283518	4.41E-10	0.197854	1.66E-05	0.032482	0.48378	0.0166	0.7205	0.021286
0.343456	2.25E-14	0.251392	3.66E-08	-0.00236	0.95947	0.019665	0.67167	-0.15209
0.594377	6.07E-46	0.175102	0.00014	0.021816	0.63818	-0.10548	0.02262	-0.04689
0.478213	4.64E-28	0.50917	3.60E-32	-0.05228	0.2595	0.049853	0.28232	-0.12102
0.45042	1.04E-24	0.096112	0.03787	-0.01745	0.70675	-0.07116	0.12461	-0.02766
0.489	1.91E-29	0.150044	0.00115	0.028639	0.537	-0.00512	0.91213	0.04584
0.517595	2.31E-33	0.322621	8.99E-13	-0.00563	0.90347	-0.07534	0.10395	0.099841
0.584946	3.25E-44	0.278458	9.19E-10	0.037055	0.42435	-0.01165	0.80174	0.103966
0.333491	1.36E-13	0.241888	1.21E-07	0.020495	0.65866	0.057158	0.21761	0.085794
0.448707	1.63E-24	0.251336	3.68E-08	-0.00041	0.99289	0.026475	0.56821	-0.04537
0.50999	2.77E-32	0.141019	0.00225	-0.05176	0.26425	-0.09735	0.03546	0.053364
0.91331	#####	0.474803	1.24E-27	0.010899	0.81428	-0.10735	0.02032	0.001808
0.380461	1.56E-17	0.150253	0.00113	-0.00211	0.96379	0.008988	0.84639	0.046715
0.695053	1.24E-68	0.358098	1.42E-15	-0.02432	0.60014	-0.14552	0.00162	-0.07366
0.613126	1.49E-49	0.145722	0.00159	0.007853	0.8656	-0.04786	0.30204	-0.04838
0.44881	1.59E-24	0.243455	9.96E-08	0.010654	0.81839	-0.0802	0.08342	0.089813

0.299393	3.98E-11	0.070882	0.12612	-0.01524	0.74262	-0.03884	0.40241	-0.0745
0.342577	2.64E-14	0.144179	0.00179	-0.03003	0.51745	-0.12992	0.00492	0.02647
0.321427	1.10E-12	0.145391	0.00163	-0.02009	0.66499	-0.13038	0.00477	0.063724
0.541603	5.95E-37	0.524549	2.26E-34	-0.00704	0.87936	-0.01387	0.76497	0.003202
0.582564	8.70E-44	0.537993	2.15E-36	-0.01158	0.80292	-0.02017	0.66377	0.006806
0.332821	1.53E-13	0.357811	1.50E-15	-0.00923	0.84234	-0.06422	0.1659	-0.04373
0.487016	3.47E-29	0.373036	7.25E-17	0.037096	0.42383	0.005958	0.89782	0.152643
0.542054	5.06E-37	0.381132	1.36E-17	0.035875	0.43926	-0.09712	0.03589	0.133137
0.544187	2.35E-37	0.029596	0.52347	0.01467	0.75185	-0.1412	0.00222	0.00736
0.30089	3.15E-11	0.000185	0.99682	0.018339	0.69263	-0.09476	0.04067	0.170153
0.514431	6.54E-33	0.397113	4.32E-19	0.012163	0.7932	-0.01652	0.72173	0.058296
0.320147	1.37E-12	0.146669	0.00148	-0.0657	0.15633	-0.15769	0.00063	-0.07323
0.407241	4.40E-20	0.485948	4.77E-29	0.024203	0.60188	-0.1215	0.00858	0.028437
0.30223	2.55E-11	0.465333	1.81E-26	0.02453	0.59697	0.046138	0.31978	0.020315
0.608372	1.29E-48	0.30322	2.18E-11	0.003081	0.94705	-0.08165	0.07794	-0.03977
0.410013	2.32E-20	0.033205	0.47409	-0.0286	0.5376	-0.12087	0.00893	-0.13362
0.275756	1.35E-09	-0.06309	0.17347	-0.01784	0.70064	-0.05968	0.19796	-0.07308
0.336759	7.58E-14	0.125939	0.00643	0.018662	0.68751	0.006103	0.89535	-0.06576
0.271892	2.33E-09	-0.06444	0.16444	0.05031	0.27793	0.040269	0.38526	-0.01574
0.595478	3.78E-46	0.160122	0.00051	-0.05323	0.25091	-0.13888	0.00263	0.014584
0.620029	6.03E-51	0.129293	0.00514	-0.04169	0.36873	-0.15849	0.00059	-0.11176
0.324588	6.42E-13	0.113584	0.01405	-0.00858	0.85327	-0.06259	0.17692	0.009313
0.520343	9.27E-34	0.167806	0.00027	0.016956	0.71476	-0.03759	0.41774	0.045802
0.345768	1.46E-14	0.396602	4.84E-19	0.083566	0.0712	0.004646	0.92024	0.333211
0.311724	5.55E-12	0.072041	0.12002	-0.02856	0.53808	-0.06565	0.15666	-0.02967
0.426603	4.47E-22	0.369133	1.60E-16	0.05655	0.22255	-0.02872	0.53582	0.219209
0.370052	1.33E-16	0.477752	5.30E-28	-0.03496	0.45102	0.004337	0.92553	-0.05622
0.550913	2.01E-38	0.400135	2.20E-19	0.051986	0.26221	0.105055	0.02318	-0.0132
0.177762	0.00011	0.076379	0.09924	0.048317	0.29743	0.148509	0.00129	-0.0393
0.34865	8.56E-15	0.575927	1.30E-42	0.059517	0.19919	0.088446	0.05614	0.06068
0.31457	3.47E-12	0.283779	4.24E-10	0.021181	0.64799	0.04672	0.31371	0.057646
0.233284	3.43E-07	0.313449	4.18E-12	0.016756	0.71798	0.099232	0.03203	0.051539
0.247791	5.79E-08	0.230159	4.95E-07	0.044349	0.33892	0.187208	4.68E-05	0.143852
0.376181	3.80E-17	0.244962	8.26E-08	-0.00146	0.97488	0.039562	0.39367	-0.0496
0.776872	1.82E-95	0.290028	1.67E-10	-0.0173	0.70918	-0.13697	0.00302	-0.11816
0.61001	6.15E-49	0.20738	6.22E-06	0.022591	0.62629	-0.02762	0.55155	-0.04431
0.498213	1.15E-30	0.407111	4.53E-20	0.041227	0.37404	-0.08027	0.08314	0.087607
0.338169	5.88E-14	-0.00676	0.88417	-0.02462	0.59569	-0.12945	0.00508	-0.04951
0.459209	9.76E-26	0.131724	0.00435	-0.03013	0.51605	-0.03181	0.49289	-0.18057
0.416918	4.61E-21	0.447297	2.36E-24	-0.05892	0.20372	-0.16012	0.00051	-0.1811
0.36431	4.19E-16	0.307565	1.09E-11	0.07541	0.10362	0.086089	0.06304	0.076814
0.32165	1.06E-12	-0.05721	0.21716	-0.01014	0.82708	-0.06923	0.1352	-0.05081
0.324171	6.90E-13	0.385022	5.97E-18	0.058731	0.2052	0.078913	0.08849	0.171671
0.833746	#####	0.285659	3.21E-10	-0.00652	0.8883	-0.10584	0.02216	-0.02918
0.326109	4.94E-13	-0.03846	0.40697	-0.04729	0.30784	-0.25883	1.38E-08	-0.21141

0.854405	#####	0.285903	3.10E-10	-0.01682	0.71696	-0.11451	0.01328	-0.02835
0.47733	5.99E-28	0.186621	4.95E-05	-0.06451	0.16401	-0.15473	0.00079	-0.18445
0.660063	9.47E-60	0.39039	1.89E-18	-0.00703	0.87963	-0.05653	0.22273	-0.02958
0.395827	5.74E-19	0.292719	1.11E-10	0.016231	0.72646	0.072884	0.11574	0.187634
0.338147	5.90E-14	0.411651	1.59E-20	-0.0476	0.30467	-0.11775	0.01088	-0.12308
0.429932	1.97E-22	0.596935	2.02E-46	0.026036	0.57464	-0.00476	0.91829	0.054625
0.416081	5.62E-21	0.026492	0.56796	-0.02225	0.63151	-0.10892	0.01855	-0.13473
0.431797	1.24E-22	0.331584	1.90E-13	0.029553	0.52408	-0.00216	0.96289	0.083878
0.889005	#####	0.414962	7.31E-21	-0.00309	0.94689	-0.1071	0.02062	0.010914
0.244153	9.14E-08	0.392661	1.15E-18	0.078196	0.09143	0.179495	9.61E-05	0.321407
0.940274	#####	0.512872	1.09E-32	0.017532	0.70552	-0.09877	0.03286	0.034433
0.781133	3.58E-97	0.316077	2.71E-12	-0.01431	0.75774	-0.08514	0.06602	-0.02448
0.901246	#####	0.361213	7.71E-16	0.018519	0.68977	-0.07396	0.11044	0.026827
0.763915	1.69E-90	0.388899	2.60E-18	0.004186	0.92811	0.011399	0.80594	0.039613
0.941546	#####	0.413795	9.62E-21	-0.00329	0.94344	-0.11884	0.01016	-0.05058
0.723729	6.26E-77	0.158717	0.00058	0.005505	0.90556	-0.14304	0.00194	-0.09324
0.910429	#####	0.421695	1.47E-21	0.01883	0.68484	-0.07036	0.12895	-0.0491
0.871099	#####	0.346673	1.24E-14	-0.0192	0.67904	-0.09063	0.05032	-0.09579
0.947258	#####	0.358333	1.35E-15	-0.00912	0.8441	-0.13702	0.00301	-0.02691
0.827458	#####	0.223085	1.12E-06	-0.00239	0.95898	-0.10163	0.02809	-0.04256
0.912167	#####	0.441803	9.83E-24	0.021925	0.63651	-0.06363	0.1698	0.045173
0.932409	#####	0.428117	3.08E-22	-0.00402	0.93101	-0.13081	0.00463	-0.04932
0.852594	#####	0.37709	3.15E-17	0.010496	0.82103	-0.09294	0.04471	-0.00382
0.617055	2.42E-50	0.410917	1.88E-20	0.002815	0.95163	-0.06554	0.15733	-0.01745
0.770777	4.35E-93	0.433464	8.17E-23	0.014445	0.75555	-0.09596	0.03818	-0.03886
0.54464	1.99E-37	0.564723	1.08E-40	0.023331	0.61504	-0.07002	0.13082	0.124199
0.766264	2.25E-91	0.276104	1.29E-09	0.016133	0.72804	-0.0888	0.05516	0.06075
0.596289	2.66E-46	0.346348	1.32E-14	-0.02045	0.65942	-0.03355	0.46953	0.011938
0.620246	5.44E-51	0.233693	3.26E-07	-0.01351	0.77085	-0.16184	0.00045	-0.08184
0.532943	1.27E-35	0.104369	0.0241	-0.01014	0.82698	-0.11567	0.01237	-0.07823
0.485726	5.10E-29	0.344281	1.93E-14	-0.00359	0.93836	-0.00712	0.87804	0.093712
0.295145	7.69E-11	0.237804	1.99E-07	0.061887	0.18185	-0.13153	0.00441	0.101821
0.884898	#####	0.369061	1.62E-16	0.010024	0.82896	-0.11917	0.00995	-0.0423
0.90667	#####	0.415999	5.73E-21	0.001081	0.98141	-0.12601	0.0064	-0.05242
0.383475	8.29E-18	0.263987	6.93E-09	0.016717	0.71862	-0.07724	0.09549	-0.02231
0.90849	#####	0.359816	1.01E-15	-0.01027	0.82474	-0.10617	0.02175	-0.05727
0.486584	3.95E-29	0.440658	1.32E-23	0.047651	0.30415	0.06248	0.17769	0.131943
0.047073	0.31006	0.170805	0.00021	0.132062	0.00425	0.230383	4.83E-07	0.093661
0.220307	1.53E-06	0.285602	3.24E-10	0.07195	0.1205	0.151437	0.00103	0.141513
0.023948	0.60571	0.079725	0.08525	0.113195	0.01439	0.215454	2.62E-06	0.024242
0.282765	4.92E-10	0.194259	2.37E-05	0.073382	0.11326	0.165877	0.00032	0.085514
0.694397	1.86E-68	0.226611	7.48E-07	0.003506	0.93976	-0.03611	0.43626	0.044743
0.695991	6.86E-69	0.193258	2.61E-05	-0.00293	0.94959	-0.12881	0.00531	0.001421
-0.30458	1.76E-11	-0.33259	1.59E-13	-0.0042	0.92783	0.13493	0.00348	-0.10127
0.873604	#####	0.362371	6.15E-16	-0.00405	0.93052	-0.12313	0.00773	-0.04636



0.850965	#####	0.285391	3.34E-10	-0.03316	0.47471	-0.14853	0.00129	-0.07728
0.676351	9.86E-64	0.04161	0.36962	-0.0007	0.98793	-0.11745	0.01108	0.02012
0.510233	2.56E-32	0.089343	0.05368	-0.06708	0.14778	-0.16504	0.00034	-0.07258
0.405393	6.71E-20	0.112661	0.01486	-0.03455	0.45632	-0.042	0.36518	-0.08656
0.88612	#####	0.428614	2.73E-22	0.020351	0.6609	-0.07639	0.09921	0.053636
0.457408	1.59E-25	0.556526	2.48E-39	-0.00409	0.92976	0.034155	0.46153	-0.02661
0.453416	4.66E-25	0.252599	3.13E-08	-0.01636	0.72444	-0.14163	0.00216	0.014879
0.833231	#####	0.371135	1.07E-16	-0.01768	0.70318	-0.12518	0.00676	-0.02049
0.712441	1.53E-73	0.182955	6.99E-05	-0.0083	0.85804	-0.11111	0.0163	0.036196
0.828722	#####	0.209197	5.13E-06	-0.03645	0.43201	-0.18905	3.93E-05	-0.06683
0.800536	#####	0.255664	2.10E-08	-0.01949	0.67439	-0.14446	0.00175	-0.02863
0.201538	1.14E-05	0.284249	3.96E-10	0.060751	0.19001	0.119875	0.00952	0.1481
0.287576	2.42E-10	0.233551	3.32E-07	-0.03476	0.45368	-0.13563	0.00332	-0.09453
0.364854	3.76E-16	0.305989	1.40E-11	-0.08	0.0842	-0.24908	4.91E-08	-0.07946
0.774162	2.13E-94	0.233833	3.21E-07	-0.01992	0.66767	-0.12004	0.00942	-0.08761
0.273357	1.90E-09	0.460564	6.74E-26	0.013634	0.76886	0.012854	0.78175	0.176833
0.8932	#####	0.358713	1.26E-15	-0.00228	0.96087	-0.14613	0.00154	-0.0263
0.925955	#####	0.385063	5.92E-18	-0.00701	0.87994	-0.14274	0.00199	-0.0459
0.60714	2.24E-48	0.288853	2.00E-10	-0.01026	0.82492	-0.08877	0.05525	-0.10712
0.919513	#####	0.399543	2.51E-19	-0.01733	0.70878	-0.1183	0.01051	-0.03952
0.748129	7.34E-85	0.280175	7.17E-10	-0.00362	0.93785	-0.14837	0.0013	-0.01198
0.846782	#####	0.287421	2.47E-10	0.004756	0.91836	-0.09331	0.04386	0.020444
0.885823	#####	0.302096	2.61E-11	-0.02537	0.58454	-0.13376	0.00378	-0.06776
0.879329	#####	0.28364	4.33E-10	-0.02437	0.59932	-0.16363	0.00038	0.002783
0.700877	3.08E-70	0.195924	2.01E-05	-0.04361	0.34707	-0.16637	0.00031	-0.16034
0.312356	5.00E-12	0.466802	1.20E-26	-0.00404	0.93058	0.011031	0.81208	-0.03664
0.289146	1.91E-10	0.03462	0.45545	-0.08833	0.05647	-0.24515	8.07E-08	-0.16997
0.365148	3.55E-16	0.256621	1.85E-08	-0.0034	0.94153	0.032799	0.47952	-0.06217
0.494254	3.88E-30	-0.0005	0.99148	-0.01282	0.78223	-0.09621	0.03768	-0.02263
0.419166	2.70E-21	0.646278	1.44E-56	0.001336	0.97703	-0.08359	0.07114	0.080872
0.463348	3.13E-26	0.29164	1.31E-10	-0.03195	0.49094	-0.07194	0.12054	0.037719
0.941331	#####	0.435393	5.03E-23	-0.00305	0.94764	-0.11803	0.01069	-0.02752
0.880327	#####	0.362614	5.86E-16	0.022354	0.62992	-0.08865	0.05556	-0.00408
0.465169	1.89E-26	0.376731	3.40E-17	-0.00867	0.85185	0.017707	0.70272	-0.07297
0.711338	3.21E-73	0.414776	7.64E-21	0.045676	0.32465	0.02772	0.55014	0.177521
0.43786	2.70E-23	-0.03719	0.42262	0.049837	0.28247	-0.06236	0.17854	-0.00461
0.524722	2.13E-34	0.457989	1.36E-25	0.10208	0.0274	0.130806	0.00464	0.240192
0.814844	#####	0.593554	8.63E-46	0.048712	0.2935	-0.00886	0.84854	0.172837
0.359146	1.15E-15	0.00606	0.89608	-0.07049	0.12826	-0.16991	0.00023	-0.28184
0.333914	1.26E-13	0.213185	3.35E-06	0.009767	0.83328	-0.06102	0.18809	0.017497
0.289035	1.94E-10	-0.18184	7.75E-05	-0.00466	0.91995	-0.07199	0.1203	-0.14994
-0.2918	1.28E-10	-0.18675	4.89E-05	0.080459	0.08241	0.260104	1.17E-08	0.291782
-0.23863	1.80E-07	-0.18453	6.03E-05	0.09665	0.0368	0.217818	2.02E-06	0.314108
0.439229	1.90E-23	0.67579	1.37E-63	-0.00626	0.8926	-0.04335	0.34993	-0.00012
0.263925	6.99E-09	0.04867	0.29392	-0.01043	0.82217	-0.1114	0.01603	-0.00019

0.416358	5.26E-21	-0.02533	0.58502	-0.0296	0.52347	-0.09867	0.03303	-0.14731
0.545111	1.68E-37	0.130834	0.00463	-0.01735	0.70843	-0.10516	0.02304	-0.00786
0.269531	3.24E-09	0.015326	0.74114	-0.04155	0.37029	-0.10233	0.02701	-0.05388
0.248064	5.59E-08	0.184283	6.17E-05	-0.01666	0.71957	0.077031	0.09638	-0.04787
0.396821	4.61E-19	0.031264	0.50033	-0.05337	0.24971	-0.18299	6.97E-05	-0.04038
0.417781	3.75E-21	0.382097	1.11E-17	-0.02855	0.53833	-0.15639	0.0007	-0.1128
0.453486	4.58E-25	0.576653	9.68E-43	0.028153	0.54393	-0.03907	0.39955	0.076421
0.324537	6.48E-13	0.338388	5.65E-14	-0.01065	0.81845	-0.13716	0.00298	0.053476
0.376006	3.94E-17	0.239959	1.53E-07	0.023819	0.60766	0.033437	0.471	-0.04385
0.500844	5.05E-31	0.108456	0.01906	0.098388	0.03353	0.016114	0.72835	0.189309
0.936539	#####	0.442457	8.31E-24	0.003152	0.94585	-0.10761	0.02002	-0.00499
0.345609	1.51E-14	0.273195	1.94E-09	-0.01844	0.69108	-0.03319	0.47425	0.098657
0.384688	6.41E-18	0.066271	0.15276	-0.06012	0.1947	-0.19529	2.14E-05	-0.05153
0.357155	1.70E-15	0.073866	0.1109	0.005485	0.90589	-0.0486	0.29465	0.001616
0.897408	#####	0.485536	5.39E-29	0.000766	0.98683	-0.11732	0.01117	-0.00928
0.507714	5.75E-32	0.286749	2.73E-10	0.046327	0.3178	-0.04903	0.29036	-0.00879
0.570084	1.33E-41	0.445294	3.98E-24	-0.00993	0.83052	0.02799	0.54626	0.012975
0.897237	#####	0.323478	7.77E-13	-0.01338	0.77312	-0.12978	0.00497	-0.01951
0.431016	1.51E-22	-0.0854	0.06518	0.000442	0.9924	-0.15409	0.00083	-0.00295
0.475687	9.63E-28	0.239798	1.56E-07	-0.03897	0.40077	-0.09068	0.05018	-0.11897
0.382604	9.96E-18	0.243442	9.98E-08	0.040979	0.37693	-0.00696	0.88072	0.265157
0.497249	1.55E-30	-0.06616	0.15343	-0.0262	0.57224	-0.15836	0.00059	-0.05206
0.87543	#####	0.453533	4.52E-25	-0.00045	0.99228	-0.12522	0.00674	-0.00631
0.672054	1.17E-62	0.212504	3.60E-06	-0.02602	0.57486	-0.14163	0.00216	-0.09297
0.584134	4.55E-44	0.283445	4.45E-10	-0.01776	0.70184	-0.06359	0.17008	0.045021
0.932738	#####	0.511271	1.83E-32	0.019967	0.66691	-0.10012	0.03052	-0.0095
0.459284	9.56E-26	0.282693	4.97E-10	0.03278	0.47977	-0.08712	0.05996	0.056466
-0.31666	2.45E-12	-0.2436	9.78E-08	0.106496	0.02135	0.224673	9.34E-07	0.321028
0.739101	8.01E-82	0.20403	8.82E-06	0.02562	0.58076	-0.07772	0.09341	0.038348
0.739501	5.91E-82	0.271396	2.50E-09	-0.03515	0.44853	-0.19689	1.82E-05	0.005079
0.218055	1.97E-06	-0.06162	0.18373	-0.0069	0.88179	-0.13954	0.00251	-0.12358
0.895935	#####	0.430059	1.91E-22	0.005248	0.90995	-0.0736	0.11218	0.007734
0.619823	6.64E-51	0.508253	4.84E-32	-0.0229	0.62159	-0.03007	0.51686	-0.01744
0.92358	#####	0.384245	7.04E-18	-0.01455	0.75381	-0.14262	0.002	-0.06872
0.24313	1.04E-07	0.061857	0.18206	0.077898	0.09268	0.177221	0.00012	0.065823
0.374336	5.56E-17	0.287178	2.57E-10	-0.04135	0.37264	-0.04148	0.37112	0.055316
0.34893	8.12E-15	0.189127	3.90E-05	-0.01475	0.75053	0.00219	0.96236	0.095417
0.917725	#####	0.472984	2.09E-27	-0.00144	0.97529	-0.11369	0.01396	-0.01709
0.475452	1.03E-27	0.299308	4.04E-11	0.023546	0.61178	0.015631	0.73618	0.172633
0.83509	#####	0.409084	2.88E-20	0.033123	0.47518	-0.00336	0.94219	0.062342
0.686693	2.13E-66	0.148527	0.00129	-0.00999	0.8295	-0.09886	0.03269	-0.01257
0.519308	1.31E-33	-0.14352	0.00187	-0.0213	0.64612	-0.10691	0.02085	-0.11753
0.767476	7.87E-92	0.17192	0.00019	-0.00736	0.874	-0.08868	0.05548	0.062256
0.441398	1.09E-23	0.560425	5.64E-40	0.001215	0.9791	-0.00502	0.91382	0.084557
0.77363	3.43E-94	0.367297	2.31E-16	0.029503	0.52478	0.011338	0.80694	0.029624

0.452409	6.10E-25	0.146037	0.00155	0.043433	0.349	-0.02248	0.62798	-0.04725
0.473235	1.94E-27	0.207946	5.86E-06	0.000131	0.99775	-0.00159	0.9727	-0.05116
0.288245	2.19E-10	0.270286	2.92E-09	0.052454	0.25794	0.130823	0.00463	-0.00963
0.383731	7.85E-18	0.179574	9.54E-05	0.044092	0.34174	0.085674	0.06433	-0.01335
0.229477	5.36E-07	0.042404	0.36055	0.005696	0.9023	-0.02222	0.63192	-0.06253
0.421778	1.44E-21	0.22857	5.96E-07	-0.0125	0.78763	-0.06478	0.16222	-0.00558
0.558017	1.41E-39	0.15418	0.00083	-0.04031	0.38474	-0.20141	1.15E-05	-0.06291
0.343362	2.28E-14	0.314098	3.76E-12	0.061861	0.18203	0.114934	0.01294	0.317376
0.923093	#####	0.344593	1.82E-14	-0.02441	0.59877	-0.14656	0.00149	-0.10724
0.295451	7.34E-11	0.288519	2.10E-10	-0.02534	0.58486	-0.11351	0.01412	0.031799
0.352162	4.42E-15	0.015976	0.7306	0.1461	0.00155	0.064503	0.16403	0.329165
0.576732	9.37E-43	0.175413	0.00014	0.003755	0.9355	-0.10381	0.02487	-0.0489
0.412329	1.36E-20	0.206457	6.85E-06	0.095453	0.03921	0.172097	0.00019	0.15416
0.370383	1.24E-16	0.170152	0.00022	-0.03961	0.39315	-0.10648	0.02136	-0.10533
0.551751	1.47E-38	0.281037	6.33E-10	-0.00133	0.97708	-0.0953	0.03954	-0.03609
0.393679	9.21E-19	0.453468	4.60E-25	0.003657	0.93718	-0.08735	0.05926	0.018289
-0.28418	4.00E-10	-0.10691	0.02085	0.037353	0.42063	0.227033	7.12E-07	0.085692
0.377156	3.11E-17	0.381178	1.34E-17	-0.0727	0.11665	-0.0654	0.15821	-0.13349
0.331456	1.95E-13	0.253265	2.87E-08	0.042064	0.36442	-0.04675	0.31341	0.01358
0.302208	2.56E-11	0.075207	0.10455	0.028653	0.5368	0.031099	0.50259	-0.0004
0.268875	3.55E-09	0.094655	0.04089	0.003759	0.93544	-0.00138	0.97619	0.049544
0.729319	1.14E-78	0.45207	6.68E-25	-0.01602	0.72987	-0.11405	0.01366	-0.06822
0.646859	1.06E-56	0.34227	2.79E-14	-0.00168	0.97105	-0.12075	0.009	-0.08098
0.236798	2.25E-07	0.184959	5.79E-05	-0.04511	0.3307	-0.02026	0.66226	0.072802
0.848633	#####	0.455927	2.38E-25	-0.03282	0.47926	-0.07345	0.11293	-0.05276
0.712421	1.55E-73	0.311131	6.11E-12	-0.01375	0.76702	-0.11951	0.00974	-0.0091
0.692002	8.27E-68	0.032082	0.48918	-0.04584	0.32289	-0.15233	0.00096	-0.06412
-0.27328	1.92E-09	-0.31577	2.85E-12	0.066893	0.14893	0.14334	0.0019	0.125402
0.373122	7.13E-17	0.483406	1.01E-28	-0.0139	0.7645	0.048792	0.29271	0.053036
0.417069	4.45E-21	-0.13299	0.00399	-0.08198	0.07676	-0.18181	7.77E-05	-0.06414
0.284736	3.68E-10	0.388713	2.71E-18	0.011252	0.80838	0.07218	0.11931	0.020434
0.491846	8.09E-30	0.128814	0.00531	-0.00041	0.99286	-0.15026	0.00113	0.047799
0.297528	5.32E-11	0.11517	0.01276	0.054367	0.24095	0.019781	0.66984	0.001507
0.362932	5.50E-16	0.089425	0.05346	-0.01323	0.77556	-0.00605	0.89622	-0.0753
0.928321	#####	0.506756	7.81E-32	0.006382	0.89061	-0.10642	0.02144	-0.031
0.656877	5.33E-59	0.469436	5.72E-27	-0.04099	0.37685	-0.07388	0.11081	-0.00262
0.272825	2.05E-09	-0.09082	0.04983	0.021713	0.63977	-0.11166	0.01577	0.103599
0.232646	3.70E-07	0.373319	6.85E-17	-0.00857	0.8534	-0.03315	0.47488	0.059306
0.358915	1.21E-15	0.343891	2.07E-14	0.07884	0.08879	0.16251	0.00042	0.189901
0.800552	#####	0.295972	6.77E-11	-0.01801	0.69795	-0.12927	0.00514	-0.10742
0.57022	1.26E-41	0.074876	0.10609	-0.02766	0.55106	-0.09695	0.03621	-0.08591
0.422419	1.24E-21	0.113452	0.01416	0.014104	0.76114	-0.04655	0.3155	-0.05197
0.705932	1.16E-71	0.250279	4.22E-08	0.020797	0.65396	-0.09401	0.04229	0.04821
0.355937	2.15E-15	0.327045	4.20E-13	0.034569	0.45611	-0.05237	0.25868	0.220619
0.334582	1.12E-13	-0.02195	0.63618	0.049526	0.28549	0.018405	0.69159	0.265934

0.496958	1.69E-30	0.34157	3.17E-14	-0.00793	0.86424	-0.02122	0.64744	0.05289
0.483963	8.60E-29	0.211994	3.81E-06	-0.01523	0.74273	-0.11132	0.0161	0.109078
0.343014	2.43E-14	0.408089	3.62E-20	0.07163	0.12216	0.109376	0.01806	0.062046
0.223213	1.10E-06	0.304248	1.85E-11	0.022835	0.62257	-0.06348	0.17086	-0.06054
0.554497	5.30E-39	0.299789	3.74E-11	-0.01834	0.69265	-0.20544	7.62E-06	-0.08121
0.271508	2.46E-09	0.39277	1.12E-18	0.007704	0.86813	0.008814	0.84934	0.075522
-0.35265	4.03E-15	-0.46826	7.96E-27	-0.08133	0.07912	-0.08159	0.07819	-0.12431
0.3224	9.33E-13	0.240285	1.47E-07	0.017552	0.7052	-0.13241	0.00415	-0.00597
0.527716	7.68E-35	0.15977	0.00053	-0.0377	0.41629	-0.10127	0.02866	-0.00868
0.350731	5.79E-15	0.03497	0.4509	0.010593	0.81941	-0.02462	0.59558	-0.03398
0.330401	2.34E-13	0.054413	0.24056	0.00697	0.88059	-0.03518	0.44822	-0.0013
0.313636	4.05E-12	0.125203	0.00675	0.013926	0.76406	-0.0252	0.58698	0.019974
0.269983	3.04E-09	-0.0327	0.4808	-0.03484	0.4526	-0.05747	0.21514	-0.03451
0.447159	2.45E-24	0.614537	7.76E-50	-0.01351	0.77083	-0.03425	0.46022	-0.0255
0.454699	3.31E-25	0.590575	3.07E-45	-0.0151	0.74482	-0.10696	0.02078	-0.03699
0.296665	6.08E-11	0.357768	1.51E-15	-0.0111	0.81094	-0.04564	0.32503	0.014753
0.422796	1.13E-21	0.013822	0.76576	-4.93E-05	0.99915	-0.10026	0.0303	-0.12693
-0.25819	1.51E-08	-0.25528	2.21E-08	0.109873	0.01754	0.217567	2.07E-06	0.042202
0.335645	9.25E-14	-0.06083	0.18945	-0.00292	0.94977	-0.03282	0.47917	-0.02098
0.730944	3.49E-79	0.071063	0.12515	-0.05122	0.26933	-0.21287	3.46E-06	-0.0641
0.541898	5.35E-37	-0.02466	0.59511	-0.03013	0.51602	-0.14179	0.00213	-0.03159
-0.36506	3.62E-16	-0.28408	4.06E-10	0.021855	0.63758	0.089693	0.05275	0.122756
0.51826	1.85E-33	0.266908	4.65E-09	-0.00543	0.90683	-0.07307	0.11481	-0.09696
0.527114	9.43E-35	0.14659	0.00149	-0.03945	0.39496	-0.1364	0.00314	-0.18198
0.493892	4.34E-30	0.026765	0.56397	-0.03772	0.41614	-0.08427	0.06884	-0.04624
0.477839	5.17E-28	0.267983	4.01E-09	-0.05455	0.23938	-0.15678	0.00067	-0.13154
0.263482	7.42E-09	0.130136	0.00485	0.036095	0.43647	-0.05029	0.27808	0.004727
0.771278	2.79E-93	0.273527	1.85E-09	-0.01539	0.74004	-0.1027	0.02646	-0.07914
-0.25089	3.90E-08	-0.31271	4.72E-12	0.040476	0.38282	0.033645	0.46824	0.058203
0.490758	1.13E-29	0.477933	5.03E-28	0.006492	0.88872	-0.06975	0.13228	0.106295
0.248492	5.29E-08	0.028421	0.5401	-0.06207	0.18058	-0.07662	0.09818	-0.17464
0.894404	#####	0.34951	7.29E-15	-0.02812	0.54436	-0.12184	0.0084	-0.06166
0.421381	1.59E-21	0.152056	0.00098	-0.03695	0.4257	-0.12985	0.00495	0.000396
0.614412	8.22E-50	0.196873	1.83E-05	-0.00161	0.97226	-0.06034	0.19302	-0.01749
0.391353	1.53E-18	0.150345	0.00112	0.023245	0.61634	0.009616	0.83581	0.019561
0.320925	1.20E-12	0.199806	1.36E-05	0.018371	0.69212	-0.0163	0.72531	0.07842
0.335149	1.01E-13	-0.00328	0.94365	0.057689	0.21337	-0.02278	0.62341	-0.02156
0.358585	1.29E-15	0.036043	0.43713	0.038328	0.4086	-0.05438	0.24085	-0.04848
0.240533	1.43E-07	0.353409	3.48E-15	0.1059	0.02209	0.199152	1.45E-05	0.218141
0.416574	5.00E-21	0.349291	7.59E-15	0.028784	0.53494	-0.15326	0.00089	0.146884
0.473106	2.02E-27	0.332417	1.64E-13	0.042929	0.35463	0.114522	0.01327	0.233316
0.60962	7.33E-49	0.120778	0.00899	-0.02563	0.58064	-0.10344	0.02539	-0.05377
0.570034	1.36E-41	0.13717	0.00297	-0.02026	0.66231	-0.09312	0.0443	-0.14489
-0.26037	1.13E-08	-0.15169	0.00101	0.074736	0.10675	0.22246	1.20E-06	0.206625
0.333057	1.47E-13	0.41359	1.01E-20	0.053553	0.24808	0.030382	0.51249	0.197757

0.301414	2.90E-11	0.407124	4.52E-20	0.035448	0.44473	-0.06469	0.16278	0.007405
0.459374	9.32E-26	0.650066	1.99E-57	0.052311	0.25924	0.019564	0.67325	0.195821
0.589014	5.93E-45	0.242476	1.13E-07	0.030641	0.50891	-0.04382	0.34473	-0.0577
0.273249	1.93E-09	0.149837	0.00116	-0.04675	0.31342	-0.21787	2.01E-06	-0.07163
0.37258	7.96E-17	0.257324	1.69E-08	-0.00973	0.83388	-0.17893	0.0001	0.04962
0.39138	1.52E-18	0.199085	1.46E-05	-0.0172	0.71091	-0.17325	0.00017	0.013717
0.313917	3.87E-12	0.31284	4.62E-12	-0.00263	0.95473	-0.15277	0.00093	0.042001
0.308219	9.81E-12	0.296537	6.21E-11	-0.01184	0.79855	-0.1476	0.00138	0.007062
0.557791	1.54E-39	0.100562	0.02979	-0.0447	0.33509	-0.10282	0.02629	-0.25666
0.258549	1.44E-08	-0.13134	0.00447	0.065431	0.15804	0.022107	0.6337	0.031242
0.330948	2.13E-13	0.384595	6.53E-18	0.008588	0.85316	0.031583	0.49597	0.092664
0.345211	1.62E-14	0.227276	6.93E-07	0.018801	0.6853	-0.05512	0.23448	0.056016
0.495439	2.70E-30	0.07475	0.10668	-0.04244	0.36013	-0.17016	0.00022	-0.0547
0.827337	#####	0.233888	3.19E-07	0.013179	0.77638	-0.08477	0.06722	-0.02823
0.664408	8.68E-61	0.250534	4.08E-08	-0.02365	0.61016	-0.23563	2.59E-07	-0.05351
0.544516	2.08E-37	0.498474	1.06E-30	-0.01545	0.73908	-0.0138	0.76614	0.029573
0.612393	2.08E-49	0.257186	1.72E-08	0.000699	0.98798	-0.03392	0.46468	0.023234
0.700589	3.70E-70	0.318195	1.90E-12	0.016526	0.7217	-0.03028	0.51386	0.08095
0.725487	1.80E-77	0.316282	2.62E-12	-0.03288	0.47844	-0.14358	0.00187	-0.09812
0.650039	2.02E-57	0.186419	5.05E-05	-0.00206	0.96454	-0.05995	0.19594	0.019362
0.515944	3.98E-33	0.21796	1.99E-06	0.00299	0.94862	-0.10585	0.02215	0.036305
0.598559	9.96E-47	0.272451	2.16E-09	-0.01069	0.81774	-0.09881	0.03278	-0.00937
0.666465	2.76E-61	0.274346	1.65E-09	-0.01044	0.82196	-0.13553	0.00334	0.098572
0.490297	1.29E-29	-0.13469	0.00354	-0.03556	0.44333	-0.13045	0.00475	-0.02873
0.519073	1.41E-33	0.166354	0.00031	-0.01003	0.82877	-0.0961	0.03789	0.06792
0.674086	3.65E-63	0.244662	8.57E-08	-0.02343	0.61346	-0.09351	0.0434	0.065885
0.358421	1.33E-15	0.317558	2.11E-12	-0.00412	0.92927	-0.09729	0.03556	-0.06674
0.536874	3.19E-36	0.111591	0.01584	-0.0696	0.13316	-0.1472	0.00142	-0.09704
0.341508	3.21E-14	-0.10015	0.03047	-0.04883	0.29233	-0.10032	0.0302	-0.17863
0.310849	6.40E-12	0.328895	3.05E-13	0.021643	0.64084	-0.00387	0.9335	0.03113
0.26185	9.25E-09	0.19094	3.27E-05	0.030883	0.50556	0.083787	0.07045	-0.07478
0.310065	7.27E-12	0.323986	7.12E-13	-0.0232	0.61704	-0.10921	0.01823	-0.00461
0.548638	4.64E-38	0.186833	4.86E-05	0.022304	0.63068	-0.0767	0.09783	-0.01091
0.945185	#####	0.415053	7.16E-21	-0.00913	0.84393	-0.12463	0.00701	-0.06483
0.627917	1.40E-52	0.172506	0.00018	-0.01094	0.81364	-0.07461	0.10736	-0.00781
0.38829	2.97E-18	0.091739	0.04755	-0.00085	0.98545	-0.07369	0.11173	0.023469
0.439644	1.71E-23	0.091672	0.04771	-0.0259	0.57658	-0.08492	0.06673	-0.0587
0.605568	4.53E-48	0.236757	2.26E-07	0.010021	0.829	-0.06695	0.1486	0.100686
0.394659	7.43E-19	0.296769	5.99E-11	0.051397	0.26766	-0.04752	0.30548	0.115537
0.410404	2.12E-20	0.032098	0.48896	-0.08528	0.06556	-0.18354	6.62E-05	-0.12549
0.68114	5.94E-65	0.186025	5.24E-05	-0.03566	0.44204	-0.06627	0.15273	-0.16763
0.591622	1.97E-45	0.271913	2.33E-09	0.012064	0.79485	0.021972	0.63578	0.074899
0.831093	#####	0.270579	2.80E-09	-0.02209	0.63391	-0.15377	0.00086	-0.07178
0.641701	1.50E-55	0.292486	1.15E-10	0.049396	0.28676	0.082547	0.07473	0.418219
0.719544	1.18E-75	0.250681	4.00E-08	0.009292	0.84128	-0.08841	0.05623	-0.02145

0.41316	1.12E-20	0.378526	2.34E-17	0.015261	0.74222	-0.06745	0.14557	0.037046
0.898524	#####	0.399494	2.54E-19	-0.01707	0.71294	-0.11738	0.01113	-0.07741
0.328497	3.27E-13	0.258592	1.43E-08	-0.04382	0.34471	-0.11764	0.01095	-0.17362
0.354932	2.60E-15	0.349301	7.58E-15	-0.04222	0.36265	-0.13354	0.00384	-0.06515
0.180148	9.05E-05	0.138379	0.00273	-0.01377	0.76667	-0.11018	0.01723	-0.00873
0.658349	2.40E-59	0.134114	0.00369	-0.02704	0.56004	-0.16209	0.00044	-0.11589
0.474362	1.41E-27	0.293243	1.03E-10	0.012381	0.78958	0.034605	0.45564	0.064
0.412639	1.26E-20	0.201596	1.13E-05	-0.0008	0.98617	-0.12716	0.00593	0.031586
0.819138	#####	0.345936	1.42E-14	0.004637	0.92039	-0.06657	0.15088	-0.08289
0.386127	4.72E-18	0.221627	1.32E-06	0.005656	0.90298	-0.03258	0.48244	-0.11387
0.485075	6.18E-29	0.16304	0.0004	0.057972	0.21112	-0.01561	0.7365	0.106146
0.355277	2.44E-15	-0.08845	0.05612	-0.01714	0.71182	-0.13673	0.00307	-0.04602
0.428559	2.76E-22	0.018807	0.68521	-0.01688	0.71593	-0.13768	0.00287	-0.02746
0.887571	#####	0.453471	4.60E-25	0.010294	0.82441	-0.06782	0.14334	-0.0424
-0.37741	2.95E-17	-0.46533	1.81E-26	-0.07299	0.11523	-0.06581	0.15562	-0.08622
0.303322	2.15E-11	0.386419	4.43E-18	0.099009	0.03243	0.017992	0.69816	0.318957
0.558974	9.81E-40	0.056174	0.22566	0.007259	0.87568	-0.07991	0.08452	0.007257
0.702327	1.21E-70	0.285905	3.10E-10	0.037746	0.41576	0.026097	0.57374	0.072399
0.589542	4.75E-45	0.18249	7.30E-05	0.023369	0.61446	-0.01281	0.78253	0.029352
0.603811	9.91E-48	0.21291	3.45E-06	-0.03812	0.41114	-0.04181	0.36732	-0.16395
0.555546	3.58E-39	0.179892	9.27E-05	-0.0165	0.72214	-0.12036	0.00923	-0.01404
0.833041	#####	0.251818	3.46E-08	-0.03724	0.42199	-0.19405	2.42E-05	-0.04776
0.778844	2.99E-96	0.296062	6.68E-11	-0.00319	0.94515	-0.12101	0.00886	0.037636
0.403478	1.04E-19	0.314103	3.75E-12	0.044703	0.33508	0.03166	0.49491	0.298184
0.421713	1.47E-21	0.273376	1.89E-09	-0.0042	0.92793	-0.01386	0.76513	0.147915
0.348864	8.22E-15	0.116186	0.01199	-0.02712	0.55883	-0.1047	0.02365	-0.02034
0.809695	#####	0.217985	1.98E-06	0.003065	0.94733	-0.10166	0.02804	-0.02129
0.587224	1.26E-44	-0.05605	0.2267	-0.05284	0.25445	-0.22834	6.13E-07	-0.11048
0.886279	#####	0.388467	2.86E-18	-0.00379	0.93493	-0.13373	0.00379	-0.04955
0.581116	1.58E-43	0.210363	4.54E-06	0.017755	0.70196	-0.09275	0.04515	-0.03494
0.633106	1.11E-53	0.297226	5.58E-11	0.014548	0.75385	0.014375	0.75668	0.03887
0.840818	#####	0.239371	1.65E-07	0.017446	0.70689	-0.01086	0.81487	0.076906
0.739308	6.85E-82	0.395515	6.15E-19	-0.02997	0.51818	-0.08605	0.06317	-0.00454
0.404222	8.76E-20	0.138154	0.00277	-0.02221	0.63207	-0.06264	0.17658	-0.1101
0.554776	4.78E-39	0.458149	1.30E-25	-0.00196	0.96633	-0.05633	0.2244	0.079516
0.377705	2.78E-17	0.319965	1.41E-12	0.014382	0.75658	-0.06236	0.17852	0.122786
0.722833	1.18E-76	0.099546	0.03149	-0.03141	0.49839	-0.20026	1.30E-05	-0.0969
0.582048	1.08E-43	0.145018	0.00168	-0.01005	0.82849	-0.07391	0.11068	0.066345
0.71396	5.47E-74	0.25846	1.45E-08	-0.01063	0.81879	-0.14592	0.00157	-0.06581
0.332077	1.74E-13	0.41048	2.08E-20	-0.00921	0.84264	-0.03262	0.4819	-0.05516
0.571108	8.87E-42	0.243237	1.02E-07	0.034634	0.45527	0.042494	0.35953	0.074602
0.821371	#####	0.358541	1.30E-15	-0.01399	0.76299	-0.11883	0.01017	-0.0585
0.514355	6.70E-33	0.044512	0.33715	-0.03613	0.43603	-0.14261	0.00201	-0.07944
0.658676	2.01E-59	0.325942	5.09E-13	0.010666	0.81818	-0.05667	0.2216	-0.12202
0.41721	4.30E-21	0.275681	1.37E-09	0.045793	0.32342	-0.01596	0.73089	-0.0344

0.45164	7.49E-25	0.166335	0.00031	-0.0013	0.97756	-0.04993	0.28154	-0.01504
0.555042	4.32E-39	0.004766	0.91818	-0.01824	0.69416	-0.11848	0.01039	0.021585
0.862916	#####	0.400625	1.97E-19	-0.00123	0.97891	-0.11556	0.01246	0.004103
0.861911	#####	0.479914	2.83E-28	0.004468	0.92328	-0.10289	0.02619	-0.06926
0.685225	5.18E-66	0.063883	0.16813	-0.00061	0.98951	-0.14937	0.00121	-0.06098
0.327899	3.62E-13	0.139892	0.00245	0.010198	0.82602	-0.09961	0.03138	-0.05585
0.591502	2.07E-45	0.066798	0.14951	-0.03363	0.4685	-0.10622	0.02168	-0.07373
0.527465	8.37E-35	0.304179	1.87E-11	0.028962	0.53241	-0.0141	0.76123	0.056629
0.863279	#####	0.342539	2.66E-14	0.055217	0.23367	-0.00468	0.91971	0.076114
0.449092	1.47E-24	0.187743	4.45E-05	-0.01441	0.75611	-0.02725	0.55693	-0.03764
0.288456	2.12E-10	0.028743	0.53551	-0.02157	0.64204	-0.07493	0.10585	-0.02057
0.496848	1.75E-30	0.132723	0.00406	-0.02693	0.56153	-0.17214	0.00019	-0.16954
0.728842	1.61E-78	0.355749	2.23E-15	0.027943	0.54694	-0.06506	0.16042	0.014832
0.864311	#####	0.445181	4.10E-24	0.015528	0.73786	-0.10762	0.02	0.07872
0.453027	5.18E-25	0.441094	1.18E-23	-0.00712	0.8781	-0.15697	0.00066	-0.07837
0.511737	1.57E-32	0.316815	2.39E-12	-0.02407	0.6039	-0.01648	0.72243	-0.12867
0.850427	#####	0.38985	2.12E-18	-0.00742	0.87292	-0.13613	0.0032	0.024618
0.867023	#####	0.398903	2.90E-19	0.036204	0.43507	-0.06649	0.15142	0.103988
0.239404	1.64E-07	0.274396	1.64E-09	0.034302	0.4596	0.03615	0.43576	0.147493
0.917547	#####	0.439615	1.72E-23	-0.00315	0.94583	-0.10009	0.03057	-0.00571
0.87417	#####	0.392319	1.24E-18	-0.01525	0.74233	-0.1504	0.00111	-0.04651
0.652071	6.93E-58	0.226752	7.36E-07	-0.00912	0.84409	-0.11304	0.01452	0.04095
0.648729	4.02E-57	-0.02873	0.53571	-0.02991	0.51904	-0.18472	5.93E-05	-0.10197
0.73653	5.57E-81	0.510918	2.05E-32	-0.00904	0.84544	-0.06177	0.18267	0.110121
0.252805	3.05E-08	0.101124	0.02889	0.096915	0.03629	0.102715	0.02644	0.256598
0.897988	#####	0.395135	6.69E-19	-0.05622	0.2253	-0.15244	0.00095	-0.08519
0.910693	#####	0.52402	2.70E-34	0.017159	0.7115	-0.10433	0.02415	0.007002
0.91602	#####	0.461204	5.65E-26	0.009359	0.84014	-0.1222	0.00821	0.037159
0.616095	3.78E-50	0.217213	2.16E-06	0.051631	0.26549	-0.07	0.13089	0.205367
0.675381	1.73E-63	0.419612	2.43E-21	-0.03117	0.50166	-0.05131	0.26847	0.032573
0.818393	#####	0.349388	7.45E-15	-0.02471	0.59435	-0.11493	0.01295	-0.01181
0.782561	9.39E-98	0.254135	2.56E-08	-0.00905	0.84535	-0.09854	0.03326	-0.04789
0.913696	#####	0.500825	5.08E-31	0.00543	0.90683	-0.12087	0.00893	-0.01738
0.697053	3.51E-69	0.241872	1.21E-07	-0.03067	0.50849	-0.12542	0.00665	-0.12042
0.878714	#####	0.384082	7.29E-18	-0.00398	0.93159	-0.11749	0.01106	-0.00012
0.798565	#####	0.175498	0.00014	-0.02629	0.57093	-0.13114	0.00453	-0.04351
0.667672	1.40E-61	0.191836	3.00E-05	0.008896	0.84796	-0.08921	0.05404	0.026168
0.867281	#####	0.510377	2.44E-32	-0.0213	0.64615	-0.11284	0.0147	-0.04399
0.565361	8.44E-41	0.282353	5.23E-10	-0.00068	0.98829	-0.02576	0.57868	0.03948
0.298686	4.45E-11	0.397795	3.71E-19	0.033048	0.47619	0.110592	0.01681	0.027413
0.379027	2.11E-17	0.431395	1.37E-22	0.103371	0.02549	0.088281	0.0566	0.239279
0.413906	9.37E-21	0.309429	8.06E-12	-0.06837	0.14012	-0.15314	0.0009	-0.27847
0.623162	1.37E-51	0.157042	0.00066	-0.02343	0.61352	-0.11581	0.01227	0.01627
0.726545	8.43E-78	0.023486	0.61268	-0.06246	0.17785	-0.21632	2.38E-06	-0.11694
0.450562	9.97E-25	0.558426	1.21E-39	0.058694	0.20548	-0.02357	0.61136	0.177378

0.848825	#####	0.233156	3.48E-07	-0.00467	0.91981	-0.08932	0.05374	-0.05048
0.60908	9.36E-49	0.096385	0.03733	0.015714	0.73484	-0.07275	0.11642	0.063002
0.950165	#####	0.434652	6.07E-23	-0.00899	0.84643	-0.11469	0.01313	-0.05662
0.68765	1.19E-66	0.180895	8.45E-05	-0.02453	0.59693	-0.1898	3.66E-05	-0.07404
-0.34038	3.94E-14	-0.21039	4.52E-06	-0.03819	0.41024	-0.02011	0.66475	-0.08672
0.607989	1.53E-48	0.13385	0.00376	-0.01113	0.81045	-0.08752	0.05878	-0.05117
0.329956	2.53E-13	0.060375	0.19278	-0.05582	0.22861	-0.14494	0.00169	-0.03508
0.6461	1.57E-56	0.368789	1.72E-16	0.026468	0.56831	-0.0501	0.2799	0.076617
0.863482	#####	0.235636	2.59E-07	-0.00483	0.91711	-0.13518	0.00342	-0.03645
0.234283	3.04E-07	-0.0657	0.15632	0.028902	0.53326	0.064495	0.16408	0.094578
-0.2481	5.56E-08	-0.33942	4.69E-14	-0.0082	0.8597	0.008433	0.85577	0.004792
-0.22579	8.22E-07	-0.08955	0.05314	0.043219	0.35139	0.067969	0.14249	0.182462
0.643134	7.24E-56	0.449271	1.40E-24	0.002154	0.96298	0.017892	0.69977	-0.02391
0.594944	4.76E-46	0.1219	0.00836	0.042172	0.36319	-0.10076	0.02947	0.036974
0.245852	7.39E-08	-0.01031	0.82421	0.033211	0.47401	0.015843	0.73275	-0.02694
0.637226	1.44E-54	0.456423	2.08E-25	0.002679	0.95395	-0.06961	0.13306	-0.0967
0.866726	#####	0.245746	7.49E-08	0.000414	0.99288	-0.11322	0.01436	-0.00147
0.633509	9.13E-54	0.228104	6.29E-07	-0.03796	0.41312	-0.17239	0.00018	-0.03642
0.587747	1.01E-44	0.540526	8.74E-37	0.022383	0.62948	0.014304	0.75785	0.015997
0.326709	4.46E-13	-0.00012	0.99796	-0.05614	0.22596	-0.09602	0.03807	-0.11216
0.736877	4.30E-81	0.173332	0.00017	-0.00277	0.95239	-0.08799	0.05743	-0.01362
0.364912	3.72E-16	0.079405	0.08652	-0.04702	0.31059	-0.27764	1.03E-09	-0.07878
0.568987	2.05E-41	0.334921	1.05E-13	-0.0022	0.96221	-0.13515	0.00343	-0.04478
0.358367	1.34E-15	0.505223	1.27E-31	-0.02987	0.51957	-0.16453	0.00036	-0.11142
0.846508	#####	0.318564	1.79E-12	-0.03245	0.48418	-0.10831	0.01922	-0.11232
0.342309	2.77E-14	0.50058	5.49E-31	-0.02711	0.5589	-0.01046	0.82168	0.009093
0.397823	3.69E-19	0.325591	5.40E-13	-0.04921	0.28857	-0.04397	0.3431	-0.00651
0.426514	4.57E-22	0.198797	1.51E-05	0.058328	0.20833	0.156637	0.00068	0.128663
0.561513	3.72E-40	0.088076	0.05718	-0.00367	0.93696	-0.08524	0.06569	0.031973
0.235155	2.74E-07	0.04315	0.35216	0.050024	0.28068	0.006853	0.88258	0.089223
-0.26297	7.95E-09	-0.20932	5.07E-06	0.115849	0.01224	0.30702	1.19E-11	0.009889
0.709958	8.07E-73	0.108831	0.01865	-0.05014	0.27952	-0.16738	0.00028	-0.09013
0.398084	3.48E-19	-0.02848	0.5392	0.054097	0.24331	-0.03591	0.43879	0.017048
0.785075	8.70E-99	0.288616	2.07E-10	-0.03431	0.45956	-0.19292	2.70E-05	-0.03918
0.69237	6.58E-68	0.085933	0.06353	-0.02595	0.5759	-0.14839	0.0013	-0.10509
0.795552	#####	0.397527	3.94E-19	-0.0345	0.45703	-0.15319	0.0009	-0.01485
0.753688	8.50E-87	0.316524	2.51E-12	-0.01831	0.69302	-0.09136	0.04849	-0.08797
0.32174	1.04E-12	0.060902	0.18892	-0.00212	0.96357	-0.03425	0.46032	0.192761
0.891866	#####	0.391814	1.38E-18	-0.00278	0.95214	-0.17378	0.00016	-0.0427
0.463422	3.07E-26	0.438451	2.32E-23	0.04361	0.34705	-0.03729	0.42139	0.116365
0.495216	2.89E-30	0.593269	9.75E-46	0.031389	0.49861	-0.04349	0.34833	0.070322
0.789499	#####	0.385788	5.07E-18	0.0001	0.99827	-0.10611	0.02182	-0.01073
0.813667	#####	0.410568	2.04E-20	-0.01549	0.73846	-0.11252	0.01498	-0.03925
0.317134	2.27E-12	-0.12437	0.00712	-0.04573	0.32413	-0.1001	0.03055	-0.08891
0.285137	3.47E-10	0.395992	5.54E-19	-0.01612	0.72824	0.07127	0.12405	-0.01462



0.243459	9.96E-08	0.547755	6.42E-38	0.056596	0.22218	0.081882	0.07711	0.212385
0.423818	8.81E-22	0.283049	4.72E-10	-0.00078	0.98654	-0.04905	0.29019	0.041159
0.470538	4.19E-27	0.375678	4.22E-17	0.014407	0.75616	-0.11108	0.01633	0.020619
0.570032	1.36E-41	0.509364	3.38E-32	0.00125	0.9785	0.004566	0.92161	-0.0553
0.244664	8.57E-08	-0.0217	0.63999	0.010192	0.82613	0.064646	0.1631	-0.14601
0.648293	5.04E-57	0.466648	1.25E-26	0.013101	0.77767	0.016249	0.72616	0.061278
0.558927	9.98E-40	0.378703	2.26E-17	-0.01952	0.674	-0.01571	0.73491	-0.10268
0.842365	#####	0.426857	4.20E-22	-0.00884	0.8489	-0.11685	0.0115	0.024551
0.645961	1.69E-56	0.421953	1.38E-21	-0.01394	0.76382	-0.13981	0.00246	-0.04316
-0.37448	5.40E-17	-0.4675	9.86E-27	0.015869	0.73233	0.153781	0.00086	-0.10953
0.311274	5.97E-12	0.183857	6.42E-05	-0.01988	0.66828	-0.05954	0.19899	0.006097
0.542242	4.73E-37	0.145499	0.00162	-0.01247	0.78818	-0.09112	0.04907	-0.06439
0.238425	1.85E-07	0.025187	0.58718	0.034132	0.46183	-0.01846	0.69074	0.149282
-0.33444	1.15E-13	-0.29492	7.96E-11	0.002062	0.96455	0.175607	0.00014	-0.19314
0.476102	8.54E-28	0.608723	1.10E-48	0.016216	0.72671	-0.02861	0.53734	0.165487
0.897826	#####	0.38071	1.48E-17	-0.00386	0.93362	-0.08862	0.05564	-0.04896
0.819153	#####	0.218779	1.81E-06	-0.03087	0.50569	-0.13187	0.00431	-0.07078
0.868276	#####	0.370358	1.25E-16	-0.01941	0.6756	-0.12982	0.00496	-0.08026
0.266499	4.92E-09	-0.12315	0.00771	-0.01965	0.67187	-0.04209	0.36413	-0.05728
0.834536	#####	0.38814	3.06E-18	-0.02293	0.62113	-0.12379	0.0074	-0.04919
0.325142	5.84E-13	0.222398	1.21E-06	0.031094	0.50267	-0.01935	0.67667	0.119499
0.437996	2.60E-23	0.010137	0.82706	-0.0028	0.95196	-0.08158	0.07823	-0.03947
0.859378	#####	0.503059	2.52E-31	0.007012	0.87988	-0.08857	0.05579	0.049029
0.542659	4.07E-37	0.10933	0.01811	-0.03041	0.51208	-0.16238	0.00043	0.02809
0.945767	#####	0.358442	1.32E-15	-0.00592	0.8984	-0.12451	0.00706	-0.01684
0.289871	1.71E-10	0.316404	2.56E-12	0.047517	0.30552	0.063061	0.17369	0.145897
0.72627	1.03E-77	0.169792	0.00023	0.038679	0.40432	-0.08778	0.05802	0.026708
0.476037	8.70E-28	0.512392	1.27E-32	-0.05459	0.23902	-0.21135	4.08E-06	-0.02661
0.835864	#####	0.275799	1.34E-09	-0.02613	0.57325	-0.18032	8.91E-05	-0.02906
0.474104	1.52E-27	0.134581	0.00357	0.010715	0.81737	-0.0032	0.94503	0.080677
0.318288	1.87E-12	0.433414	8.28E-23	-0.00713	0.87787	0.05772	0.21312	-0.08474
0.328012	3.55E-13	0.063046	0.17379	0.001994	0.96572	-0.07607	0.10062	-0.04901
0.267127	4.52E-09	-0.08344	0.07164	-0.07724	0.09547	-0.14123	0.00222	-0.07485
0.333231	1.42E-13	-0.07162	0.12222	-0.0397	0.39206	-0.14028	0.00238	-0.16751
-0.41277	1.22E-20	-0.34348	2.23E-14	-0.05481	0.2371	-0.01606	0.72927	-0.01112
0.362906	5.53E-16	0.414013	9.14E-21	-0.0223	0.63073	-0.06817	0.1413	-0.11983
0.604438	7.50E-48	0.264133	6.80E-09	-0.00608	0.8958	-0.10578	0.02224	-0.00639
0.392588	1.17E-18	0.383474	8.29E-18	0.023641	0.61034	0.041379	0.37229	0.11489
0.474936	1.19E-27	0.538258	1.96E-36	-0.03355	0.46951	-0.1471	0.00143	0.095707
0.709261	1.28E-72	0.361861	6.79E-16	-0.00899	0.84639	-0.07649	0.09876	0.012519
0.778324	4.82E-96	0.488257	2.39E-29	-0.00966	0.83509	-0.03996	0.38892	-0.10103
0.576508	1.03E-42	0.27974	7.64E-10	0.018395	0.69174	-0.00834	0.8573	-0.01043
0.530168	3.31E-35	0.38395	7.49E-18	-0.03525	0.44722	-0.15065	0.00109	-0.09526
0.50576	1.07E-31	0.393763	9.04E-19	0.007579	0.87024	-0.03188	0.49195	0.112945
0.663126	1.76E-60	0.371333	1.03E-16	0.00289	0.95033	-0.05575	0.22916	0.02593

0.645172	2.54E-56	0.375966	3.98E-17	-0.03453	0.45661	-0.09971	0.03122	-0.0887
0.504337	1.68E-31	0.035726	0.44117	-0.01751	0.70587	-0.06707	0.14785	-0.11757
0.381279	1.32E-17	0.365612	3.24E-16	0.059956	0.19589	0.04211	0.36389	0.020253
0.867074	#####	0.498908	9.24E-31	-0.00158	0.97283	-0.09756	0.03505	-0.00042
0.563192	1.95E-40	0.194408	2.33E-05	0.051601	0.26577	-0.07204	0.12002	-0.03233
0.330072	2.48E-13	0.131417	0.00445	0.002104	0.96382	-0.05218	0.26042	-0.00414
0.867039	#####	0.453217	4.92E-25	-0.01915	0.67982	-0.10044	0.02999	-0.02844
0.385078	5.90E-18	0.49399	4.21E-30	0.082048	0.07651	0.066331	0.15238	0.108058
0.655526	1.10E-58	0.451883	7.02E-25	-0.00812	0.86116	-0.13991	0.00244	-0.04372
0.242369	1.14E-07	-0.15233	0.00096	0.018386	0.69189	-0.08575	0.06408	0.121503
0.237089	2.17E-07	-0.02707	0.55947	-0.00693	0.88125	-0.04164	0.36931	-0.01101
0.546987	8.50E-38	0.47306	2.04E-27	0.014303	0.75787	-0.01131	0.80735	0.10546
0.840188	#####	0.25644	1.90E-08	0.034229	0.46056	-0.09271	0.04524	0.105914
0.382528	1.01E-17	0.25094	3.87E-08	0.051183	0.26967	0.013884	0.76475	0.109993
0.420221	2.10E-21	0.436438	3.87E-23	-0.00963	0.83564	-0.12777	0.00569	-0.00425
0.434584	6.17E-23	0.47056	4.16E-27	0.043257	0.35096	0.009506	0.83767	0.214302
0.379768	1.81E-17	0.510464	2.37E-32	0.042194	0.36294	0.029384	0.52645	0.200792
0.490184	1.34E-29	0.478611	4.13E-28	0.028727	0.53574	-0.02855	0.53827	0.062626
0.328799	3.10E-13	-0.19863	1.53E-05	0.005186	0.91101	-0.11871	0.01024	-0.13866
0.424485	7.49E-22	0.228017	6.36E-07	-0.00951	0.83766	-0.10408	0.0245	-0.06609
0.267276	4.42E-09	0.235595	2.60E-07	0.02156	0.64213	-0.07183	0.1211	0.174575
0.684992	5.96E-66	0.264363	6.59E-09	0.031749	0.4937	-0.02881	0.53459	0.164654
0.316686	2.44E-12	0.481363	1.85E-28	-0.02902	0.53152	-0.01952	0.67392	-0.09127
0.366898	2.51E-16	0.409337	2.72E-20	-0.05007	0.28022	-0.0962	0.03769	-0.0782
0.270498	2.83E-09	0.088888	0.05492	-0.06711	0.14764	-0.01661	0.72037	-0.02222
0.261692	9.45E-09	0.152775	0.00093	-0.00988	0.83146	0.030626	0.50911	-0.08898
0.376763	3.37E-17	-0.03893	0.40125	-0.02402	0.60468	-0.05908	0.20254	0.097948
-0.3356	9.32E-14	-0.41252	1.30E-20	-0.06891	0.13703	-0.10698	0.02076	-0.06598
0.603037	1.40E-47	0.437275	3.13E-23	-0.00383	0.93423	-0.10363	0.02512	0.015969
0.55605	2.96E-39	0.155891	0.00072	0.018913	0.68353	-0.06337	0.17158	0.05729
0.49883	9.47E-31	0.369717	1.42E-16	0.013173	0.77646	-0.05236	0.25877	0.056708
0.905978	#####	0.425065	6.51E-22	-0.02133	0.64574	-0.1527	0.00093	-0.04844
0.911464	#####	0.3777	2.78E-17	-0.00823	0.85917	-0.13198	0.00428	-0.02101
0.931063	#####	0.409193	2.81E-20	-0.01855	0.68926	-0.13106	0.00456	-0.04889
0.492644	6.35E-30	0.542983	3.62E-37	0.014032	0.76232	-0.12852	0.00541	0.056948
0.257881	1.57E-08	0.459869	8.15E-26	-0.02396	0.60553	-0.10986	0.01755	0.026402
0.379242	2.02E-17	0.085861	0.06375	0.000605	0.98959	0.027802	0.54897	-0.14888
0.46932	5.91E-27	0.445481	3.79E-24	0.031825	0.49267	-0.09406	0.04217	0.032044
0.133222	0.00393	0.278797	8.75E-10	0.069021	0.1364	0.068086	0.1418	0.260826
0.466435	1.33E-26	0.518574	1.67E-33	0.030129	0.51602	0.001311	0.97746	-0.06377
0.467715	9.28E-27	0.112633	0.01488	-0.02587	0.57704	-0.02569	0.57973	-0.1722
-0.37723	3.06E-17	-0.12149	0.00858	-0.02511	0.58838	0.165494	0.00033	-0.01926
0.601043	3.36E-47	0.529457	4.23E-35	0.04352	0.34803	-0.03035	0.51295	0.040894
0.305333	1.56E-11	0.324211	6.85E-13	-0.09181	0.04737	-0.06042	0.19244	0.072743
0.721734	2.56E-76	0.606355	3.19E-48	0.004282	0.92647	-0.03196	0.4909	0.058171

0.436023	4.29E-23	0.513962	7.62E-33	0.028828	0.53431	0.008377	0.85672	0.160988
0.529964	3.55E-35	0.699978	5.47E-70	0.060304	0.1933	0.087495	0.05885	0.09156
0.479259	3.42E-28	0.201747	1.12E-05	-0.03149	0.49724	-0.0817	0.07776	-0.08098
-0.38359	8.08E-18	-0.34185	3.01E-14	0.064088	0.16677	0.069482	0.13379	0.194957
0.334417	1.15E-13	0.14044	0.00235	0.051646	0.26536	0.034689	0.45455	0.095831
0.260938	1.04E-08	0.036653	0.4294	-0.0134	0.77273	-0.10678	0.021	-0.09477
0.394712	7.34E-19	0.401218	1.73E-19	-0.00012	0.99795	-0.00456	0.92172	0.073387
0.26462	6.36E-09	0.051818	0.26376	-0.02311	0.61841	-0.21145	4.04E-06	-0.0487
0.391928	1.35E-18	0.574483	2.32E-42	0.030822	0.50641	0.046541	0.31557	0.152651
0.913301	#####	0.345746	1.47E-14	-0.02656	0.567	-0.12271	0.00794	-0.06431
0.718958	1.77E-75	0.162192	0.00043	0.005945	0.89805	-0.13674	0.00307	-0.06569
0.621153	3.55E-51	0.299402	3.98E-11	-0.03058	0.50974	-0.13643	0.00313	0.008469
0.319785	1.45E-12	0.303232	2.18E-11	-0.01958	0.67307	-0.14052	0.00234	-0.16276
0.360643	8.62E-16	-0.02118	0.64794	0.006899	0.88179	0.007777	0.86689	-0.07547
0.880063	#####	0.469835	5.11E-27	0.00706	0.87905	-0.12646	0.00621	-0.02305
0.737157	3.48E-81	0.355529	2.32E-15	0.00549	0.90581	0.018127	0.69601	0.024493
0.921465	#####	0.324455	6.57E-13	-0.01633	0.72492	-0.14118	0.00223	-0.05915
0.562288	2.77E-40	0.262213	8.81E-09	0.041001	0.37667	-0.05166	0.26523	0.041346
0.516468	3.35E-33	0.127036	0.00598	0.26251	8.46E-09	0.007902	0.86477	0.159073
0.263845	7.07E-09	0.068676	0.13837	0.00058	0.99003	-0.01915	0.67978	-0.10795
0.739182	7.54E-82	0.162779	0.00041	-0.03067	0.50854	-0.14911	0.00123	-0.13383
0.915775	#####	0.330347	2.36E-13	-0.01906	0.68117	-0.1476	0.00138	-0.0642
0.325493	5.50E-13	0.111452	0.01597	-0.01075	0.81684	0.047029	0.31052	0.015632
-0.33459	1.12E-13	-0.43644	3.86E-23	0.024977	0.5903	0.124361	0.00713	-0.16518
0.445378	3.90E-24	0.156543	0.00069	-0.0253	0.58549	-0.07979	0.08498	-0.13432
0.484087	8.29E-29	0.081838	0.07727	-0.06723	0.14689	-0.14639	0.00151	-0.1614
0.419134	2.72E-21	0.128409	0.00545	-0.03308	0.47575	-0.0891	0.05434	-0.03375
0.552412	1.15E-38	0.217061	2.19E-06	-0.00265	0.9544	-0.07848	0.09027	-0.06507
0.287989	2.27E-10	-0.0164	0.7237	0.014097	0.76126	-0.0516	0.26576	0.025007
0.316058	2.71E-12	-0.17283	0.00017	0.004136	0.92897	-0.09248	0.04578	-0.09447
0.209396	5.03E-06	0.342004	2.93E-14	-0.0041	0.9296	-0.10104	0.02902	-0.01271
0.522835	4.02E-34	0.461936	4.62E-26	-0.02369	0.60964	-0.0627	0.17616	0.045461
0.272165	2.25E-09	0.265539	5.61E-09	0.038254	0.40951	-0.02765	0.55114	0.076747
0.78643	2.38E-99	0.305294	1.57E-11	0.022173	0.63269	-0.04884	0.29226	0.04915
0.627576	1.65E-52	0.146487	0.0015	0.095898	0.0383	-0.04248	0.35964	0.029754
0.590178	3.63E-45	-0.04524	0.32927	-0.03254	0.48301	-0.1223	0.00815	-0.07087
0.754157	5.80E-87	0.321186	1.15E-12	-0.00491	0.91576	-0.04269	0.35732	0.047794
0.707328	4.62E-72	0.339625	4.52E-14	-0.01055	0.82014	-0.03679	0.42768	-0.13164
0.453526	4.53E-25	0.245156	8.06E-08	-0.00263	0.95472	0.004351	0.92528	0.075687
-0.22827	6.17E-07	-0.36826	1.91E-16	-0.04415	0.34112	-0.03143	0.49803	-0.20843
0.523483	3.23E-34	0.191129	3.22E-05	-0.06518	0.15964	-0.09941	0.03173	-0.16424
0.561105	4.35E-40	0.404006	9.20E-20	0.013636	0.76883	0.047187	0.30889	0.028208
0.33429	1.18E-13	0.168881	0.00025	0.157087	0.00066	0.193176	2.63E-05	-0.01296
0.326498	4.62E-13	0.25761	1.63E-08	-0.02859	0.5377	-0.07046	0.12838	0.066149
0.753341	1.13E-86	0.215906	2.49E-06	-0.02393	0.60593	-0.18005	9.13E-05	-0.1199

0.736176	7.26E-81	0.36094	8.14E-16	-0.01677	0.71771	-0.08627	0.06249	-0.01216
0.340089	4.15E-14	0.125965	0.00642	0.03219	0.48771	0.045617	0.32528	0.050687
0.715454	1.98E-74	0.178271	0.00011	-0.00179	0.9693	-0.18682	4.86E-05	-0.06288
0.395748	5.84E-19	0.214686	2.85E-06	0.122893	0.00784	0.11287	0.01467	0.136539
0.378848	2.19E-17	0.29961	3.85E-11	0.061867	0.18199	-0.08936	0.05363	0.087976
0.289809	1.73E-10	-0.18604	5.23E-05	-0.05989	0.1964	-0.16235	0.00043	-0.06472
0.892781	#####	0.450009	1.15E-24	-0.01759	0.70464	-0.09287	0.04487	-0.00162
0.741062	1.80E-82	0.32284	8.66E-13	-0.02016	0.66391	-0.10936	0.01808	-0.03226
0.873195	#####	0.445306	3.97E-24	0.008954	0.84697	-0.1147	0.01313	0.023415
0.491394	9.28E-30	0.471944	2.81E-27	-0.05675	0.22089	-0.17762	0.00011	-0.00932
0.2274	6.83E-07	0.259112	1.33E-08	0.016358	0.72441	0.005601	0.90392	0.189947
0.285022	3.53E-10	0.252895	3.01E-08	-0.00633	0.89145	-0.00199	0.96579	-0.05959
0.436362	3.94E-23	-0.01494	0.74739	0.010116	0.8274	-0.14619	0.00154	-0.05884
0.423432	9.67E-22	0.423114	1.04E-21	0.115297	0.01266	0.089457	0.05337	0.215534
0.356782	1.83E-15	0.202529	1.03E-05	-0.00377	0.9352	0.098404	0.0335	-0.03236
0.898163	#####	0.49619	2.14E-30	-0.00553	0.90516	-0.13016	0.00484	-0.03611
0.730743	4.04E-79	0.255298	2.20E-08	-0.01079	0.81607	-0.10728	0.0204	-0.05585
0.374046	5.90E-17	0.156439	0.00069	0.178403	0.00011	0.253379	2.83E-08	0.1377
0.448543	1.70E-24	0.071933	0.12058	-0.03331	0.47264	-0.06796	0.14252	-0.02525
0.644435	3.72E-56	0.069783	0.13211	0.023184	0.61726	-0.10203	0.02748	-0.01709
0.312818	4.64E-12	0.146701	0.00148	0.026169	0.57269	-0.05894	0.20359	-0.06128
0.445797	3.49E-24	0.450755	9.48E-25	0.08552	0.06482	0.006905	0.8817	0.174025
0.303759	2.00E-11	0.038938	0.40118	-0.0467	0.31389	-0.10966	0.01776	-0.11251
0.813919	#####	0.25257	3.14E-08	-0.01222	0.7922	-0.14282	0.00198	-0.06723
0.530252	3.22E-35	0.298299	4.72E-11	-0.02946	0.52537	-0.13615	0.0032	-0.15484
0.362327	6.20E-16	0.103444	0.02539	0.02499	0.59011	-0.08221	0.07594	-0.06533
0.312176	5.15E-12	-0.03071	0.50794	-0.04102	0.37641	-0.0887	0.05542	-0.10902
0.429707	2.08E-22	0.226997	7.15E-07	-0.01095	0.81336	-0.15297	0.00091	-0.01461
0.781182	3.42E-97	0.163263	0.0004	-0.0287	0.5362	-0.16588	0.00032	-0.067
0.654325	2.09E-58	0.239597	1.60E-07	0.025665	0.58011	-0.07724	0.09548	0.03995
0.577621	6.55E-43	0.135945	0.00324	-0.04446	0.33774	-0.12633	0.00626	-0.14902
0.89882	#####	0.515927	4.00E-33	0.007648	0.86908	-0.06666	0.15034	0.016755
0.808443	#####	0.279021	8.47E-10	-0.02466	0.59499	-0.1177	0.01091	-0.06372
0.739866	4.48E-82	0.243619	9.76E-08	-0.01038	0.82304	-0.08773	0.05817	-0.0591
0.83451	#####	0.273504	1.86E-09	0.018853	0.68448	-0.1159	0.0122	0.013436
0.758042	2.38E-88	0.330189	2.43E-13	0.006894	0.88189	-0.01409	0.76139	-0.07774
0.935766	#####	0.435699	4.66E-23	-0.00511	0.91232	-0.12864	0.00537	-0.05654
0.733325	6.06E-80	0.201986	1.09E-05	-0.03294	0.4776	-0.16178	0.00045	-0.10844
0.429051	2.45E-22	0.09778	0.03465	0.065795	0.15573	0.056345	0.22424	0.142804
0.288002	2.27E-10	0.235801	2.54E-07	-0.06356	0.17027	-0.09431	0.04163	-0.06981
0.482191	1.45E-28	0.470922	3.76E-27	-0.02036	0.66079	-0.03562	0.44248	-0.01568
0.797246	#####	0.242113	1.18E-07	0.017299	0.70926	-0.06554	0.15734	0.025686
0.357915	1.47E-15	0.629027	8.19E-53	0.042089	0.36414	0.193434	2.57E-05	0.17877
0.459638	8.68E-26	0.559194	9.02E-40	0.03257	0.48259	0.097393	0.03538	0.064822
0.469921	4.99E-27	0.380609	1.52E-17	-0.03724	0.42209	0.00171	0.9706	-0.11312

0.473647	1.73E-27	0.568415	2.56E-41	-0.01598	0.73055	-0.06459	0.16348	0.038138
0.405818	6.09E-20	0.429782	2.04E-22	-0.00981	0.83263	-0.01787	0.70015	0.153356
0.417955	3.60E-21	0.746575	2.50E-84	0.033933	0.46444	0.026528	0.56743	0.14847
0.359238	1.13E-15	0.494269	3.86E-30	0.054792	0.2373	0.010542	0.82026	0.149502
0.52943	4.27E-35	0.196008	1.99E-05	-0.00573	0.90163	-0.05815	0.20972	-0.01357
0.291905	1.26E-10	0.483703	9.28E-29	0.023708	0.60932	0.126489	0.0062	-0.0127
0.405409	6.69E-20	0.472293	2.54E-27	0.013487	0.77129	0.017953	0.69879	0.024987
-0.27421	1.68E-09	-0.407	4.65E-20	-0.02377	0.60836	-0.18249	7.29E-05	-0.12929
0.717428	5.11E-75	0.374186	5.73E-17	0.025476	0.5829	-0.05091	0.27223	0.109417
0.594228	6.47E-46	0.23508	2.77E-07	-0.00245	0.95783	-0.07064	0.12744	-0.08686
0.262759	8.18E-09	0.149638	0.00118	0.004036	0.93069	0.00903	0.84569	0.172512
0.364602	3.96E-16	0.289266	1.88E-10	-0.01844	0.69099	-0.11595	0.01216	0.007991
0.3451	1.66E-14	0.337899	6.17E-14	0.028066	0.54518	-0.10934	0.0181	0.074431
0.369007	1.64E-16	0.487935	2.63E-29	0.029876	0.51956	0.030092	0.51654	0.228877
0.297846	5.07E-11	0.463627	2.90E-26	0.09031	0.05113	0.07826	0.09117	0.055656
0.798099	#####	0.524047	2.67E-34	0.011951	0.79674	-0.11399	0.01371	0.011871
0.289832	1.72E-10	0.193529	2.54E-05	0.071852	0.121	-0.00457	0.92158	0.137296
-0.29158	1.32E-10	-0.26488	6.14E-09	0.034154	0.46154	0.014906	0.748	0.051916
0.683479	1.48E-65	0.135339	0.00339	-0.02458	0.59618	-0.16176	0.00045	-0.09652
0.361119	7.86E-16	0.192833	2.72E-05	-0.01623	0.72641	-0.02815	0.544	0.060602
0.489528	1.63E-29	0.367266	2.33E-16	-0.02712	0.55881	-0.15806	0.00061	-0.02213
-0.27918	8.28E-10	-0.42705	4.00E-22	-0.02904	0.53134	-0.06514	0.15991	-0.16223
0.295312	7.49E-11	0.385268	5.66E-18	-0.02777	0.54948	-0.14711	0.00143	0.001177
-0.38851	2.83E-18	-0.40348	1.04E-19	0.000614	0.98944	0.064399	0.16471	-0.06198
0.321975	1.00E-12	-0.03672	0.42861	0.069339	0.1346	-0.04575	0.32382	0.045464
0.371589	9.74E-17	0.492691	6.26E-30	0.012394	0.78937	0.119334	0.00985	-0.09249
0.39506	6.80E-19	0.064452	0.16437	0.110451	0.01695	0.065083	0.16027	0.354768
0.32735	3.99E-13	0.484832	6.64E-29	0.000351	0.99397	-0.00387	0.93353	0.062729
0.575912	1.30E-42	0.507034	7.14E-32	0.003266	0.94388	-0.1011	0.02892	-0.01206
0.382811	9.54E-18	0.36401	4.45E-16	-0.01016	0.82671	0.02992	0.51893	0.180349
0.411331	1.71E-20	0.060844	0.18934	0.01197	0.79641	-0.09188	0.0472	-0.00551
0.402889	1.19E-19	0.587071	1.34E-44	0.053594	0.24772	0.116762	0.01157	0.059126
0.263571	7.33E-09	0.369363	1.53E-16	0.076843	0.0972	0.170033	0.00022	0.161593
0.476512	7.59E-28	0.297205	5.60E-11	0.00765	0.86905	-0.10596	0.02202	0.049922
0.467696	9.33E-27	0.631931	1.98E-53	0.030447	0.51159	0.038916	0.40144	0.109751
0.51811	1.95E-33	0.198707	1.52E-05	0.015495	0.73841	-0.08247	0.07499	0.003204
0.287479	2.45E-10	0.29856	4.54E-11	0.120066	0.0094	0.252324	3.24E-08	0.29121
0.734332	2.87E-80	0.364355	4.16E-16	-0.01296	0.78003	-0.08105	0.08016	-0.09699
0.484648	7.02E-29	0.578519	4.55E-43	-0.01703	0.71357	-0.14671	0.00148	-0.03125
0.731604	2.15E-79	0.381761	1.19E-17	-0.02437	0.59939	-0.07189	0.12079	-0.10616
0.598608	9.75E-47	0.193875	2.46E-05	-0.00881	0.84941	-0.14267	0.002	0.103118
0.42338	9.80E-22	0.349137	7.81E-15	0.024337	0.59986	0.110088	0.01732	0.125219
0.437751	2.77E-23	0.160946	0.00048	-0.01831	0.69312	-0.09988	0.03093	-0.04202
0.281454	5.96E-10	0.252388	3.22E-08	0.006004	0.89704	0.234811	2.86E-07	-0.08101
0.27786	1.00E-09	0.054683	0.23823	0.003974	0.93174	-0.02882	0.53436	-0.00413

0.304998	1.64E-11	0.049395	0.28678	0.041145	0.375	0.047185	0.30891	0.022816
-0.22982	5.15E-07	-0.28904	1.94E-10	0.094059	0.04218	0.122005	0.00831	0.090026
-0.35574	2.23E-15	-0.21042	4.51E-06	0.071191	0.12447	0.117467	0.01107	0.152542
0.492802	6.05E-30	0.59963	6.24E-47	0.04947	0.28604	-0.02498	0.59024	0.118339
0.500735	5.23E-31	0.423022	1.07E-21	-0.00831	0.85794	-0.03469	0.45457	-0.10625
0.463249	3.22E-26	0.016953	0.71481	-0.04454	0.33681	-0.13058	0.00471	-0.11162
0.289307	1.87E-10	0.408221	3.51E-20	0.011283	0.80786	0.059886	0.19642	0.202579
0.647499	7.62E-57	0.252144	3.32E-08	-0.0188	0.68527	-0.10798	0.01959	-0.0825
-0.25246	3.19E-08	-0.37582	4.10E-17	-0.00994	0.8303	-0.00858	0.85329	-0.1009
0.307445	1.11E-11	0.172936	0.00017	-0.02187	0.63728	-0.0389	0.40165	-0.05846
0.486399	4.17E-29	0.192571	2.79E-05	0.103853	0.02481	0.033756	0.46678	0.191664
0.259644	1.24E-08	0.233337	3.41E-07	-0.02841	0.5402	-0.00349	0.94005	-0.11066
0.548224	5.41E-38	0.220045	1.58E-06	-0.01955	0.67354	-0.10777	0.01983	-0.15609
0.256385	1.91E-08	0.066886	0.14898	0.090403	0.05089	0.044744	0.33463	0.138893
0.374056	5.89E-17	0.389863	2.11E-18	-0.05114	0.27008	-0.01327	0.7748	-0.19819
0.543833	2.67E-37	0.025808	0.57799	0.011204	0.80919	-0.10361	0.02515	-0.04015
-0.37557	4.32E-17	-0.3282	3.44E-13	-0.02198	0.63572	0.027985	0.54633	-0.1781
0.272568	2.12E-09	0.023376	0.61434	-0.00375	0.93563	-0.01468	0.75174	-0.05316
0.481794	1.63E-28	0.11055	0.01685	0.026427	0.56891	0.113493	0.01413	-0.10547
0.74098	1.91E-82	0.499715	7.19E-31	0.033523	0.46987	-0.0829	0.07347	-0.00882
0.41474	7.71E-21	0.007903	0.86474	-0.05746	0.21518	-0.13704	0.003	-0.12239
0.519354	1.29E-33	0.125189	0.00675	-0.02824	0.54274	-0.08725	0.05955	-0.01715
-0.22065	1.47E-06	-0.01701	0.71397	0.066667	0.15031	0.121419	0.00862	0.086086
0.560201	6.15E-40	0.344801	1.75E-14	-0.00687	0.88226	-0.04377	0.3453	-0.12148
0.517961	2.05E-33	0.603184	1.31E-47	0.065452	0.1579	0.090758	0.04999	0.140176
0.321266	1.13E-12	0.06442	0.16457	0.004336	0.92555	-0.04612	0.31998	0.01502
0.928205	#####	0.42843	2.85E-22	-0.0271	0.55911	-0.12991	0.00493	-0.03594
0.253074	2.94E-08	0.156839	0.00067	0.03932	0.39658	-0.0243	0.60043	0.024791
0.483039	1.13E-28	0.680336	9.55E-65	0.05667	0.22157	0.059994	0.19561	0.330872
0.226664	7.43E-07	-0.14547	0.00162	-0.05651	0.2229	-0.14554	0.00161	-0.17121
0.345431	1.56E-14	0.55618	2.82E-39	-0.02515	0.58769	-0.10693	0.02082	-0.02991
0.297893	5.03E-11	-0.05088	0.27256	-0.03324	0.47357	-0.038	0.41256	-0.04914
0.307924	1.03E-11	-0.13946	0.00252	0.032888	0.47833	-0.08638	0.06214	0.017086
0.833926	#####	0.492773	6.10E-30	-0.0128	0.7827	-0.06218	0.17981	-0.01259
0.706884	6.19E-72	0.296019	6.72E-11	0.005555	0.9047	-0.04198	0.36541	-0.04298
0.47331	1.90E-27	-0.06388	0.16815	-0.00623	0.89316	-0.12308	0.00775	0.039196
0.663132	1.76E-60	0.188578	4.11E-05	0.018517	0.68981	-0.07518	0.10466	-0.03131
0.300439	3.38E-11	-0.08391	0.07003	-0.01292	0.78059	-0.06572	0.15623	-0.03629
0.925929	#####	0.39557	6.08E-19	-0.00743	0.87282	-0.15866	0.00058	-0.01565
0.890523	#####	0.367669	2.15E-16	-0.01597	0.73069	-0.11019	0.01722	-0.02922
0.823909	#####	0.685844	3.57E-66	0.03173	0.49396	-0.01505	0.74567	0.085128
0.506528	8.39E-32	0.055092	0.23473	-0.07007	0.13052	-0.14	0.00243	-0.0489
0.644937	2.87E-56	0.331579	1.90E-13	0.018851	0.68452	-0.00541	0.90721	0.107083
0.770428	5.92E-93	0.156401	0.00069	-0.01872	0.68658	-0.13876	0.00265	-0.07458
0.743239	3.37E-83	0.388353	2.93E-18	-0.01525	0.74233	-0.08017	0.08352	0.026123

0.650988	1.23E-57	0.212861	3.47E-06	0.001927	0.96687	-0.09313	0.04427	-0.02082
0.550684	2.19E-38	0.069587	0.13321	-0.00947	0.83834	-0.16204	0.00044	0.130424
0.844869	#####	0.370274	1.27E-16	-0.02384	0.60727	-0.11478	0.01307	-0.0428
0.341541	3.19E-14	0.469197	6.12E-27	0.003479	0.94023	-0.0917	0.04766	-0.0211
0.869674	#####	0.35471	2.72E-15	-0.00514	0.91178	-0.13886	0.00264	-0.0581
0.865097	#####	0.305961	1.41E-11	-0.02844	0.53979	-0.18183	7.75E-05	-0.02535
0.349832	6.86E-15	0.014463	0.75525	-0.0119	0.79765	-0.0495	0.28577	0.090116
0.262444	8.54E-09	-0.03106	0.50311	0.029099	0.53048	0.050081	0.28012	-0.02869
0.404634	7.98E-20	0.52278	4.10E-34	0.052123	0.26096	0.101149	0.02885	0.213008
0.511923	1.48E-32	0.527285	8.90E-35	0.00938	0.83978	0.001075	0.98151	-0.0149
0.325772	5.24E-13	0.012345	0.79019	0.030959	0.50452	0.039663	0.39246	-0.01646
0.895218	#####	0.398863	2.93E-19	-0.01046	0.82169	-0.08071	0.08145	-0.05226
0.552127	1.28E-38	0.286038	3.04E-10	-0.02397	0.60531	-0.14565	0.0016	-0.11193
0.435005	5.55E-23	0.017299	0.70925	0.04009	0.38738	-0.0714	0.12334	0.044163
0.422865	1.11E-21	-0.03699	0.42512	-0.07332	0.11357	-0.20891	5.30E-06	-0.24091
0.445648	3.63E-24	0.369144	1.60E-16	0.06393	0.16782	0.095701	0.0387	0.104033
0.341751	3.07E-14	-0.06506	0.16039	0.006963	0.88071	-0.12797	0.00561	0.005802
0.794102	#####	0.235977	2.48E-07	-0.01571	0.73495	-0.19745	1.72E-05	0.009954
0.52755	8.13E-35	0.261994	9.07E-09	0.042083	0.3642	-0.04011	0.3872	0.116058
0.918925	#####	0.445382	3.89E-24	-0.02072	0.65515	-0.13662	0.00309	-0.05263
0.908717	#####	0.438807	2.12E-23	0.002074	0.96435	-0.12044	0.00918	-0.0231
0.680217	1.02E-64	0.270545	2.82E-09	-0.04862	0.2944	-0.14249	0.00202	-0.07418
0.840929	#####	0.474043	1.54E-27	-0.01467	0.75192	-0.06422	0.1659	-0.01254
0.499584	7.49E-31	0.61657	3.03E-50	-0.01546	0.73902	-0.09984	0.031	0.036378
-0.33509	1.02E-13	-0.47122	3.45E-27	0.058606	0.20617	0.091911	0.04713	0.057921
0.266968	4.62E-09	0.1626	0.00042	-0.0658	0.15568	-0.16495	0.00034	-0.14552
0.269864	3.09E-09	0.380589	1.52E-17	-0.01211	0.79406	-0.05422	0.24221	-0.00497
0.424705	7.10E-22	-0.03941	0.39553	-0.03842	0.40745	-0.11759	0.01098	-0.22481
0.339243	4.84E-14	0.19238	2.85E-05	-0.04562	0.32522	-0.16159	0.00046	-0.15188
0.240454	1.44E-07	-0.20851	5.52E-06	-0.09436	0.04153	-0.24387	9.46E-08	-0.25571
0.402759	1.22E-19	0.034777	0.45341	0.026031	0.57472	-0.04982	0.28265	-0.00288
0.391887	1.36E-18	0.146125	0.00154	-0.03393	0.46447	0.074558	0.10759	-0.17188
0.443221	6.82E-24	0.342044	2.91E-14	0.008918	0.84758	0.074263	0.10899	-0.02906
0.303237	2.18E-11	-0.01479	0.74987	-0.02271	0.62445	-0.06523	0.15934	-0.05138
0.273456	1.87E-09	0.04985	0.28236	-0.03718	0.4228	-0.07369	0.11177	-0.12157
0.467068	1.11E-26	0.239424	1.64E-07	0.054063	0.2436	-0.00741	0.87315	0.138758
0.508975	3.84E-32	0.453107	5.07E-25	-0.01357	0.76991	-0.01377	0.76662	-0.03932
0.405543	6.49E-20	0.267868	4.08E-09	0.191317	3.16E-05	0.300212	3.50E-11	0.580357
0.278494	9.14E-10	-0.10026	0.03029	-0.05387	0.2453	-0.19424	2.37E-05	-0.16451
0.913543	#####	0.436308	4.00E-23	0.00468	0.91966	-0.11649	0.01176	-0.0353
0.33554	9.43E-14	-0.06642	0.15185	-0.01338	0.7731	-0.08654	0.06166	-0.06016
0.561935	3.17E-40	0.142455	0.00203	-0.03306	0.47598	-0.06586	0.15534	-0.01795
0.819993	#####	0.430227	1.83E-22	-0.01862	0.68823	-0.11421	0.01353	-0.00293
0.78586	4.11E-99	0.330245	2.41E-13	0.013472	0.77154	-0.08819	0.05686	0.095778
0.62109	3.66E-51	0.263242	7.67E-09	0.024362	0.59949	-0.09628	0.03753	0.111258

0.362426	6.08E-16	-0.0401	0.38721	0.015472	0.73878	-0.09196	0.04703	-0.01235
0.894815	#####	0.424254	7.93E-22	0.008448	0.85552	-0.12131	0.00868	-0.0253
0.826608	#####	0.382826	9.51E-18	-0.02381	0.60778	-0.15903	0.00056	-0.05875
0.870379	#####	0.399583	2.49E-19	0.026772	0.56387	-0.14007	0.00242	0.000458
0.884859	#####	0.496705	1.83E-30	-0.00274	0.95298	-0.11864	0.01029	-0.03434
0.422954	1.09E-21	0.101565	0.02819	-0.02189	0.63706	-0.06201	0.18097	-0.08057
0.785338	6.77E-99	0.267815	4.11E-09	0.014354	0.75703	-0.04643	0.31674	0.080468
0.208799	5.36E-06	0.448833	1.58E-24	-0.02253	0.62726	0.05508	0.23484	-0.08319
0.332946	1.50E-13	0.34975	6.96E-15	0.232543	3.74E-07	0.38137	1.29E-17	0.189109
0.351203	5.30E-15	-0.04338	0.34965	0.004674	0.91977	-0.08416	0.06921	-0.05364
0.677719	4.44E-64	0.381967	1.14E-17	0.000726	0.98752	-0.04329	0.35058	0.094326
0.318035	1.95E-12	0.379386	1.96E-17	0.033753	0.46682	-0.01597	0.73062	-0.07542
0.536702	3.39E-36	0.088828	0.05508	0.006341	0.89129	-0.08308	0.07288	-0.02293
0.558797	1.05E-39	0.224412	9.62E-07	0.006034	0.89653	-0.03636	0.43313	-0.06249
0.53366	9.86E-36	0.481253	1.91E-28	0.028694	0.53621	-0.06339	0.17145	0.115416
0.354484	2.84E-15	0.451884	7.02E-25	-0.00631	0.89191	-0.12039	0.00921	0.104148
0.617408	2.05E-50	0.347166	1.13E-14	0.007082	0.87868	-0.03316	0.47464	0.085592
0.500233	6.12E-31	0.087923	0.05761	-0.0561	0.22627	-0.12962	0.00502	-0.13762
0.520802	7.95E-34	0.21237	3.66E-06	-0.03154	0.49659	-0.13571	0.0033	-0.00824
0.297173	5.63E-11	0.247266	6.18E-08	0.031277	0.50015	-0.11083	0.01658	0.093635
0.289244	1.88E-10	0.061498	0.18461	-0.06541	0.15815	-0.12172	0.00846	-0.11602
0.375891	4.04E-17	0.398814	2.96E-19	0.102841	0.02626	0.347609	1.04E-14	0.113226
0.615553	4.86E-50	0.078392	0.09062	0.02105	0.65002	-0.03756	0.41802	0.049284
-0.25721	1.71E-08	-0.34697	1.17E-14	-0.01258	0.78635	0.032694	0.48093	-0.1491
0.315333	3.06E-12	0.328316	3.37E-13	0.019377	0.6762	-0.11831	0.0105	0.122329
0.774628	1.40E-94	0.298982	4.25E-11	0.009668	0.83493	-0.09541	0.0393	-0.03531
0.249371	4.73E-08	-0.08466	0.06756	0.045043	0.33142	-0.01343	0.7722	0.08484
0.8375	#####	0.284613	3.75E-10	-0.01117	0.80979	-0.12184	0.00839	-0.07292
0.883099	#####	0.411815	1.53E-20	-0.02385	0.6072	-0.12009	0.00938	-0.03379
0.908356	#####	0.341708	3.09E-14	0.003568	0.93871	-0.11769	0.01092	-0.04066
0.342905	2.48E-14	0.073065	0.11484	0.004095	0.92967	-0.0351	0.44918	0.060038
0.470921	3.76E-27	0.443946	5.65E-24	0.040419	0.38349	0.084651	0.06759	0.16366
-0.22215	1.24E-06	-0.27663	1.19E-09	0.070569	0.1278	0.077658	0.09369	0.112898
0.429255	2.33E-22	0.11121	0.0162	-0.0117	0.80094	-0.16402	0.00037	-0.05111
0.373878	6.11E-17	0.098663	0.03304	0.20223	1.06E-05	0.458063	1.33E-25	-0.01897
0.317213	2.24E-12	0.194364	2.34E-05	0.104509	0.02391	0.250792	3.95E-08	0.190041
0.695877	7.37E-69	0.122031	0.00829	-0.01785	0.70038	-0.13938	0.00254	0.000417
0.442257	8.75E-24	0.601129	3.24E-47	0.035773	0.44056	0.028291	0.54196	0.097255
0.372251	8.51E-17	0.196968	1.81E-05	-0.00021	0.99639	-0.05692	0.2195	-0.06256
0.310066	7.27E-12	0.01738	0.70796	0.027694	0.55051	0.082084	0.07638	0.112662
0.761891	9.46E-90	0.256433	1.90E-08	-0.08542	0.06514	-0.23357	3.31E-07	-0.17751
0.440951	1.22E-23	0.125156	0.00677	-0.03983	0.39045	-0.10728	0.0204	-0.06292
0.170333	0.00022	-0.07049	0.12821	-0.03406	0.46274	-0.01303	0.77884	-0.17714
0.717483	4.92E-75	0.405409	6.69E-20	-0.02028	0.66208	-0.10014	0.03048	-0.08878
0.728334	2.32E-78	0.520355	9.23E-34	-0.0205	0.65854	-0.06431	0.16532	-0.02737



-0.21129	4.11E-06	-0.20302	9.80E-06	0.008765	0.85016	0.028246	0.5426	0.099929
0.615194	5.73E-50	0.107622	0.02	-0.04626	0.3185	-0.18991	3.62E-05	-0.16268
0.833992	#####	0.456508	2.03E-25	0.011832	0.79872	-0.07385	0.11097	0.026865
0.279506	7.90E-10	0.065326	0.15871	0.089473	0.05333	0.14491	0.00169	-0.01932
0.711544	2.79E-73	0.226553	7.53E-07	-0.01231	0.7907	-0.05494	0.23603	-0.08154
0.492243	7.17E-30	0.389658	2.21E-18	0.004449	0.92362	-0.02517	0.5875	-0.06574
-0.42548	5.89E-22	-0.33703	7.22E-14	-0.05152	0.26652	-0.02053	0.65805	-0.2469
0.064242	0.16575	0.012662	0.78493	0.083803	0.0704	0.064819	0.16197	-0.09064
0.019147	0.67982	0.020775	0.65429	0.161152	0.00047	0.205449	7.62E-06	0.030338
0.367079	2.42E-16	0.250226	4.24E-08	-0.02914	0.5299	0.017656	0.70353	-0.17617
0.267093	4.54E-09	0.067562	0.1449	0.017035	0.71349	0.02794	0.54699	0.06129
0.833849	#####	0.30394	1.95E-11	-0.02357	0.61148	-0.10052	0.02986	-0.10552
0.28926	1.88E-10	0.098312	0.03367	0.030102	0.51639	-0.03795	0.4132	0.079066
0.260988	1.04E-08	0.01331	0.77421	-0.00731	0.87478	-0.10129	0.02862	-0.01235
0.831252	#####	0.253794	2.68E-08	-0.01778	0.7015	-0.09691	0.03629	-0.02491
0.891107	#####	0.430391	1.76E-22	0.002911	0.94998	-0.11793	0.01075	0.024319
0.413124	1.13E-20	0.340065	4.17E-14	-0.02014	0.66424	0.024921	0.59114	-0.24958
0.562365	2.68E-40	0.098071	0.03411	-0.029	0.53181	-0.07786	0.09285	-0.06589
0.437911	2.66E-23	0.193623	2.52E-05	0.015915	0.73158	-0.01312	0.77728	0.02179
0.666998	2.05E-61	0.416406	5.20E-21	0.019096	0.68064	0.029956	0.51843	0.06451
0.812876	#####	0.281047	6.32E-10	-0.00768	0.86847	-0.10869	0.0188	-0.04698
0.86564	#####	0.468235	8.02E-27	-0.01901	0.68198	-0.1791	9.96E-05	-0.0365
0.877116	#####	0.332221	1.70E-13	-0.00204	0.96491	-0.11697	0.01142	0.080937
0.92794	#####	0.389163	2.46E-18	-0.02114	0.64868	-0.15204	0.00098	-0.02405
0.758435	1.72E-88	0.286986	2.64E-10	-0.0024	0.95866	-0.13413	0.00368	-0.06042
0.932746	#####	0.388204	3.02E-18	-0.01155	0.80337	-0.08297	0.07325	-0.02108
0.379697	1.83E-17	-0.0882	0.05684	0.011847	0.79846	-0.07109	0.12503	0.000735
0.657078	4.78E-59	0.123512	0.00754	0.006105	0.89532	-0.05999	0.19564	-0.00359
0.623007	1.48E-51	-0.03947	0.39474	-0.03331	0.47263	-0.13577	0.00329	-0.09184
0.365865	3.08E-16	0.141287	0.00221	-0.02102	0.65054	-0.1355	0.00335	-0.08822
0.424852	6.85E-22	0.320209	1.35E-12	-0.03132	0.4995	-0.10716	0.02054	-0.09174
0.490671	1.16E-29	0.376862	3.31E-17	0.040325	0.3846	0.011154	0.81003	0.334545
0.392224	1.27E-18	0.358626	1.28E-15	0.009583	0.83636	0.023339	0.61491	0.120937
0.904935	#####	0.438396	2.35E-23	-0.00178	0.96941	-0.11565	0.01239	-0.04953
0.546456	1.03E-37	0.250193	4.26E-08	0.048114	0.29947	-0.01174	0.80027	0.132453
0.671397	1.71E-62	0.118622	0.0103	0.012456	0.78834	-0.11565	0.01239	-0.06676
0.444936	4.37E-24	0.306222	1.35E-11	0.048796	0.29267	0.004754	0.91839	0.304829
0.905196	#####	0.252047	3.36E-08	-0.00807	0.86192	-0.14239	0.00204	-0.07231
-0.33382	1.28E-13	-0.09393	0.04247	0.099946	0.03081	0.26541	5.71E-09	0.024843
0.422831	1.12E-21	-0.03459	0.45588	-0.00286	0.95093	-0.11575	0.01231	0.066757
0.804484	#####	0.616395	3.29E-50	-0.01361	0.76924	-0.07151	0.12278	0.014439
0.663114	1.78E-60	0.277272	1.09E-09	-0.03775	0.41565	-0.16778	0.00027	-0.05794
0.262625	8.33E-09	0.044937	0.33256	0.010279	0.82466	0.100275	0.03026	0.052717
0.485841	4.92E-29	0.438348	2.38E-23	-0.04482	0.33376	-0.09387	0.04261	0.041655
0.279276	8.17E-10	0.01416	0.76022	-0.00163	0.97199	-0.15983	0.00053	-0.12612

-0.24837	5.38E-08	0.028712	0.53595	0.056398	0.2238	0.213967	3.08E-06	0.033774
0.547579	6.84E-38	0.048387	0.29673	-0.01253	0.78707	-0.19422	2.38E-05	-0.10351
0.621672	2.78E-51	0.219478	1.68E-06	-0.0175	0.70596	-0.121	0.00886	-0.14332
0.328762	3.12E-13	-0.03574	0.44095	0.04394	0.3434	-0.00117	0.97991	0.093331
0.454453	3.53E-25	0.49865	1.00E-30	0.040435	0.38331	0.031553	0.49637	-0.00512
0.400826	1.89E-19	0.098446	0.03343	-0.01558	0.73698	-0.10822	0.01932	-0.11059
0.213285	3.31E-06	0.009719	0.83408	0.034951	0.45114	0.005786	0.90076	-0.05848
-0.24893	5.01E-08	-0.21478	2.82E-06	0.039291	0.39692	0.28384	4.20E-10	0.098232
0.655677	1.02E-58	0.088347	0.05642	-0.0558	0.22876	-0.19161	3.07E-05	-0.12938
0.351228	5.27E-15	0.159917	0.00052	0.026923	0.56168	0.040414	0.38355	0.094306
0.266891	4.66E-09	-0.03513	0.44889	-0.01455	0.75383	-0.08523	0.06573	-0.14185
-0.23261	3.71E-07	-0.31401	3.81E-12	0.048496	0.29565	0.143048	0.00194	0.284175
0.508931	3.89E-32	0.247923	5.69E-08	-0.03263	0.48177	-0.07183	0.1211	-0.16424
0.40083	1.88E-19	0.157331	0.00064	-0.05759	0.21416	-0.10392	0.02472	-0.15385
-0.29607	6.67E-11	-0.3732	7.01E-17	0.0782	0.09142	0.334007	1.24E-13	0.01569
0.855009	#####	0.492786	6.08E-30	-0.00687	0.88231	-0.08969	0.05274	0.118809
0.9317	#####	0.432547	1.03E-22	-0.00677	0.88406	-0.12099	0.00886	-0.07201
0.245942	7.30E-08	-0.15006	0.00114	-0.01166	0.80156	-0.0647	0.16272	-0.07265
0.565262	8.77E-41	0.501265	4.43E-31	-0.0074	0.87322	-0.11799	0.01071	0.053228
0.540112	1.01E-36	0.003148	0.94591	0.008734	0.85069	-0.0409	0.37782	-0.12029
0.396209	5.28E-19	0.143723	0.00185	-0.0746	0.10738	-0.08171	0.07775	-0.14259
0.430579	1.68E-22	0.036612	0.42992	-0.04203	0.36478	-0.11041	0.01699	-0.22179
0.593667	8.23E-46	0.084913	0.06675	-0.00589	0.89902	-0.10567	0.02238	0.066103
0.66333	1.58E-60	0.555104	4.22E-39	0.032001	0.49027	0.082782	0.0739	0.142441
0.903429	#####	0.478722	4.00E-28	0.011441	0.80522	-0.11162	0.01581	-0.00781
0.915209	#####	0.35658	1.90E-15	-0.01637	0.72429	-0.13895	0.00262	-0.09105
0.601847	2.36E-47	0.139976	0.00243	-0.01539	0.74011	-0.10794	0.01964	-0.00926
0.489484	1.65E-29	0.124557	0.00704	0.007488	0.87178	-0.06782	0.14339	0.053817
0.648702	4.07E-57	0.212228	3.71E-06	-0.01535	0.74069	-0.08413	0.06931	0.065134
0.918848	#####	0.36344	4.98E-16	-0.02107	0.64969	-0.10248	0.02679	-0.03053
0.892603	#####	0.397237	4.20E-19	0.013499	0.7711	-0.0796	0.08575	0.033753
0.510791	2.14E-32	0.343516	2.22E-14	0.026455	0.5685	-0.11522	0.01272	0.044302
0.911697	#####	0.400816	1.89E-19	0.015083	0.74511	-0.06615	0.15351	0.021503
0.441235	1.14E-23	0.393814	8.94E-19	0.017924	0.69924	-0.04022	0.38586	0.020876
0.381358	1.29E-17	-0.04138	0.37225	-0.01696	0.71474	-0.12184	0.0084	-0.05993
0.90343	#####	0.40416	8.89E-20	-0.00266	0.95436	-0.10912	0.01833	-0.06494
0.314643	3.43E-12	0.090584	0.05043	0.006323	0.8916	0.039569	0.39359	-0.08753
0.812853	#####	0.491273	9.63E-30	-0.00744	0.87269	-0.04055	0.38192	0.105103
0.37047	1.22E-16	0.030737	0.50758	-0.0474	0.30669	-0.11325	0.01433	-0.22449
0.679162	1.91E-64	0.27493	1.52E-09	-0.06448	0.16421	-0.18884	4.01E-05	-0.032
0.361857	6.80E-16	0.512928	1.07E-32	0.176305	0.00013	0.220321	1.53E-06	0.34322
0.40451	8.21E-20	0.264326	6.62E-09	0.018459	0.69073	-0.04372	0.3458	-0.00587
0.927769	#####	0.340708	3.71E-14	-0.01454	0.75402	-0.15547	0.00075	-0.0816
0.451062	8.74E-25	0.594096	6.85E-46	0.000571	0.99019	-0.08379	0.07045	0.197053
0.845735	#####	0.284306	3.92E-10	-0.03339	0.47165	-0.15889	0.00057	-0.08267

0.334738	1.09E-13	-0.16274	0.00041	-0.03706	0.42426	-0.18867	4.08E-05	-0.05703
0.702404	1.15E-70	0.593939	7.32E-46	0.013941	0.76382	-0.00991	0.83083	0.103185
0.257218	1.71E-08	-0.09069	0.05016	-0.05425	0.24197	-0.17865	0.0001	-0.1069
0.277486	1.06E-09	-0.16643	0.0003	-0.05917	0.20181	-0.18739	4.61E-05	-0.1141
-0.27027	2.92E-09	-0.05786	0.21203	0.067798	0.1435	0.260976	1.04E-08	0.164577
0.552301	1.20E-38	0.226433	7.63E-07	0.031828	0.49263	-0.0665	0.15135	0.058727
0.266729	4.77E-09	0.058743	0.20511	0.028064	0.5452	0.046151	0.31965	0.107183
0.406865	4.80E-20	0.216062	2.45E-06	0.02942	0.52594	-0.09792	0.0344	0.031089
0.867071	#####	0.4779	5.08E-28	-0.00824	0.85897	-0.13567	0.00331	-0.04585
0.804897	#####	0.417073	4.44E-21	0.000263	0.99549	-0.09659	0.03692	-0.02255
0.39848	3.19E-19	-0.1495	0.00119	-0.01528	0.74196	-0.16537	0.00033	-0.01106
0.670245	3.28E-62	0.261514	9.67E-09	-0.01259	0.78606	-0.06683	0.14932	0.083358
0.570332	1.21E-41	0.107203	0.0205	-0.02375	0.60872	-0.13516	0.00343	-0.08643
0.554777	4.77E-39	0.231576	4.19E-07	-0.00987	0.83154	-0.14142	0.00219	0.064549
0.468294	7.89E-27	0.292866	1.09E-10	-0.02379	0.60804	-0.13983	0.00246	0.02474
0.749189	3.16E-85	0.299899	3.68E-11	-0.02132	0.64589	-0.11023	0.01718	0.021835
0.614262	8.81E-50	0.244581	8.66E-08	-0.03183	0.49255	-0.14669	0.00148	-0.09999
0.439318	1.86E-23	0.290135	1.65E-10	-0.03293	0.47778	-0.06425	0.16569	0.053626
0.507577	6.00E-32	-0.00872	0.85097	-0.07799	0.09231	-0.20352	9.30E-06	-0.10061
0.927553	#####	0.440322	1.44E-23	0.021399	0.64461	-0.07628	0.0997	-0.01347
0.784682	1.26E-98	0.265852	5.38E-09	-0.04629	0.31823	-0.15448	0.00081	-0.05862
0.550539	2.31E-38	0.372744	7.70E-17	0.011045	0.81185	-0.02017	0.66374	0.126764
0.328062	3.52E-13	0.056139	0.22594	-0.03287	0.47858	-0.08268	0.07425	0.064822
0.452247	6.37E-25	-0.11015	0.01725	-0.05046	0.27648	-0.19034	3.47E-05	-0.05173
0.345861	1.44E-14	0.192007	2.95E-05	0.01744	0.70699	-0.10926	0.01818	0.030514
0.297794	5.11E-11	0.147955	0.00134	0.030069	0.51686	0.021488	0.64324	0.029728
0.361712	7.00E-16	0.409247	2.77E-20	0.010039	0.8287	0.030401	0.51224	0.017684
0.40229	1.36E-19	0.027355	0.55542	0.039518	0.39419	-0.0439	0.34389	0.00539
0.468928	6.60E-27	-0.01895	0.68296	-0.00942	0.83907	-0.18071	8.60E-05	-0.13197
0.069937	0.13126	0.038361	0.4082	0.002308	0.96033	0.030335	0.51315	0.125796
0.108742	0.01874	0.232615	3.71E-07	0.010863	0.81489	0.091371	0.04845	0.034282
0.029986	0.51801	0.017288	0.70942	-0.01226	0.79165	0.011903	0.79752	0.049244
-0.06916	0.13562	0.164695	0.00035	0.055812	0.22866	0.240009	1.52E-07	0.130877
0.018068	0.69695	-0.03835	0.4083	0.00558	0.90428	0.030439	0.51171	-0.0453
0.399468	2.56E-19	0.280141	7.21E-10	0.037371	0.42041	0.09434	0.04157	0.172252
0.084645	0.06761	0.175785	0.00013	0.008524	0.85424	0.13044	0.00475	0.126083
0.13332	0.0039	0.272165	2.24E-09	0.021285	0.64638	0.090364	0.05099	0.265685
0.183105	6.89E-05	0.223594	1.06E-06	-0.01662	0.72014	0.049937	0.28151	0.07669
-0.07806	0.09202	0.153076	0.0009	-0.00656	0.88757	0.100223	0.03035	0.070236
0.041989	0.36527	0.162653	0.00042	0.05957	0.19879	0.15423	0.00083	0.102971
0.074077	0.10988	0.052662	0.25605	0.011261	0.80823	0.02988	0.51949	0.089126
0.093821	0.04271	0.166303	0.00031	0.019515	0.67402	0.064322	0.16522	0.106219
0.187626	4.50E-05	0.162393	0.00043	0.001908	0.9672	-0.04363	0.34684	0.095089
0.187225	4.68E-05	0.38767	3.39E-18	0.056958	0.21923	0.169033	0.00024	0.228237
-0.0234	0.61395	-0.06092	0.18875	-0.03435	0.45903	-0.03988	0.38982	0.025354

0.267464	4.31E-09	0.301402	2.91E-11	0.017934	0.69909	0.093505	0.04342	0.085103
0.127815	0.00567	0.236844	2.24E-07	-0.01449	0.75485	-0.04801	0.30052	0.002392
0.09793	0.03437	0.435143	5.36E-23	0.043368	0.34972	0.116847	0.0115	0.090837
0.073564	0.11237	0.151226	0.00104	-0.0027	0.95368	0.038919	0.4014	0.084521
0.04439	0.33848	0.141235	0.00222	-0.00035	0.99397	0.084204	0.06906	0.063388
0.164506	0.00036	0.147036	0.00144	0.026785	0.56369	-0.006	0.8971	0.21289
0.401252	1.71E-19	0.435784	4.56E-23	0.044541	0.33684	0.057176	0.21747	0.16185
0.196278	1.94E-05	0.428572	2.76E-22	0.013393	0.77284	0.057139	0.21777	0.164043
0.058634	0.20595	0.051924	0.26279	-0.02473	0.59397	0.017343	0.70855	-0.02024
0.187636	4.50E-05	0.207758	5.98E-06	0.01046	0.82164	0.042543	0.35898	0.109945
0.016875	0.71606	0.088533	0.0559	0.009998	0.82939	0.062185	0.17975	0.142604
0.027601	0.55186	0.07915	0.08754	-0.0176	0.70436	0.0208	0.65391	-0.02251
-0.05409	0.24335	-0.07169	0.12187	-0.00387	0.93346	0.015559	0.73736	0.004416
0.173921	0.00016	0.28391	4.16E-10	0.024518	0.59715	0.064644	0.16311	0.168084
-0.02721	0.55758	-0.14525	0.00165	0.011802	0.79922	-0.02399	0.605	0.072811
0.150529	0.0011	0.304705	1.72E-11	0.014479	0.75499	0.053669	0.24706	0.092538
0.451208	8.40E-25	0.293776	9.48E-11	-0.00468	0.91958	-0.02269	0.62475	0.077445
0.009385	0.8397	0.087913	0.05764	0.072266	0.11887	0.180779	8.54E-05	0.201293
-0.09689	0.03634	-0.02328	0.61582	0.062574	0.17704	0.11016	0.01724	0.180397
0.08954	0.05315	0.099218	0.03206	-0.01294	0.78034	0.062103	0.18032	-0.00204
0.074343	0.10861	0.099883	0.03092	0.022833	0.6226	0.140243	0.00238	0.039755
-0.12364	0.00747	0.065185	0.15961	0.015408	0.73981	-0.04082	0.37877	0.140141
0.019196	0.67905	0.030289	0.51379	-0.04481	0.33388	-0.01579	0.73363	-0.05618
0.341614	3.15E-14	0.304393	1.81E-11	0.018578	0.68884	0.063673	0.16953	0.16468
-0.08396	0.06988	0.029836	0.52011	0.02617	0.57268	0.159916	0.00052	0.085403
0.092362	0.04606	0.38193	1.15E-17	0.070186	0.12989	0.211068	4.21E-06	0.210175
0.160794	0.00049	0.218402	1.89E-06	0.044934	0.33259	0.074993	0.10555	0.155309
0.102227	0.02717	0.224099	9.97E-07	0.020086	0.66505	0.097285	0.03558	0.09011
0.031875	0.49198	0.023442	0.61335	-0.04742	0.30654	-0.06935	0.13454	-0.06785
0.066776	0.14964	0.174003	0.00016	0.036519	0.43109	0.061847	0.18213	0.09059
0.206771	6.63E-06	0.129371	0.00511	-0.00393	0.93246	0.00541	0.90718	0.019409
0.113607	0.01403	0.213092	3.38E-06	0.020756	0.6546	0.069319	0.13471	0.095914
0.032448	0.48423	0.076532	0.09856	-0.06945	0.134	-0.01798	0.69831	-0.00987
0.034368	0.45873	-0.03984	0.39037	0.060373	0.19279	0.016405	0.72365	0.010868
0.026135	0.57319	-0.03062	0.50918	0.038399	0.40774	0.005713	0.902	-0.00424
0.018423	0.69131	-0.01068	0.81792	0.009055	0.84526	-0.01339	0.77288	-0.02324
-0.0061	0.89533	-0.08099	0.08038	0.030892	0.50544	0.003428	0.94111	-0.01786
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0.119161	0.00996	0.046219	0.31894	0.013501	0.77106	0.007649	0.86906	-0.04983
-0.01699	0.71427	-0.07412	0.10969	0.052543	0.25713	-0.04401	0.34259	0.024345
-0.0045	0.92268	-0.11256	0.01494	0.034926	0.45147	0.01001	0.82918	-0.01712
0.024034	0.60442	-0.00104	0.98203	0.047315	0.30758	0.022404	0.62915	0.014461
0.03774	0.41584	-0.0234	0.61402	0.067589	0.14474	0.027492	0.55343	0.025135
0.020817	0.65364	0.064442	0.16443	0.001727	0.97032	0.000295	0.99493	-0.03558
0.057853	0.21206	-0.01435	0.75708	0.026204	0.57217	-0.00179	0.96928	-0.01242

0.04066	0.38066	-0.01443	0.75577	0.079884	0.08463	0.025608	0.58095	0.024112
-0.02067	0.65588	-0.02603	0.57471	0.04845	0.29611	0.043945	0.34335	0.014568
0.043172	0.35191	-0.05122	0.26932	0.055538	0.23096	0.024377	0.59926	0.012569
-0.07868	0.08944	-0.14637	0.00152	-0.00302	0.94818	-0.04468	0.33537	-0.07488
0.155415	0.00075	0.096805	0.0365	0.015469	0.73883	-0.00706	0.87911	0.044232
0.12702	0.00598	-0.01398	0.76321	0.070252	0.12953	0.035984	0.43787	0.032024
0.037622	0.41729	-0.09372	0.04294	0.018979	0.68249	0.012925	0.78057	0.021985
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0.101907	0.02766	-0.04916	0.28904	0.092248	0.04633	0.010436	0.82204	-0.01867
0.028013	0.54593	-0.04986	0.28229	0.110501	0.0169	0.046019	0.32103	-0.0176
0.101085	0.02895	-0.1299	0.00493	0.037039	0.42456	-0.05809	0.21021	-0.08865
0.236693	2.28E-07	0.041768	0.36781	0.060142	0.1945	-0.00111	0.98092	-0.02117
0.044373	0.33866	-0.16335	0.00039	0.040042	0.38795	-0.02052	0.65828	-0.04591
0.044012	0.34261	-0.08495	0.06662	0.047183	0.30893	0.0229	0.62159	-0.00373
-0.0147	0.7514	-0.07499	0.10558	0.050585	0.27531	0.01587	0.73232	0.014504
-0.11666	0.01164	-0.3237	7.48E-13	0.019981	0.6667	-0.06247	0.17777	0.049656
-0.00169	0.97091	-0.07517	0.10472	0.0679	0.1429	0.007063	0.879	0.024597
-0.01855	0.68926	-0.06993	0.1313	0.075335	0.10396	0.034968	0.45093	-0.00034
-0.02187	0.63742	-0.04225	0.36233	0.028309	0.5417	0.059649	0.19819	0.178339
0.002039	0.96495	-0.14127	0.00221	0.02613	0.57326	-0.04103	0.37636	0.025654
-0.08662	0.06143	-0.13215	0.00423	0.04093	0.37751	-0.0672	0.1471	-0.07293
0.053953	0.24456	0.003355	0.94235	0.049129	0.28938	0.002039	0.96495	0.010221
0.110758	0.01664	-0.20006	1.33E-05	0.01634	0.7247	-0.06034	0.19301	-0.05742
0.02878	0.53499	0.027988	0.54629	0.01887	0.68421	0.077343	0.09504	0.01105
0.053436	0.24912	0.015934	0.73126	0.02515	0.58774	0.027054	0.55976	0.027391
0.070216	0.12973	0.0767	0.09782	0.042702	0.35719	0.014163	0.76016	0.033426
0.055444	0.23175	-0.02913	0.52999	0.02066	0.6561	-0.01682	0.71695	-0.0301
0.165504	0.00033	-0.13301	0.00398	0.054962	0.23584	-0.02616	0.57275	0.071421
0.030438	0.51172	-0.04766	0.30409	0.052302	0.25932	0.01815	0.69564	0.016755
0.029091	0.53059	-0.03201	0.49014	0.057802	0.21247	0.018428	0.69122	0.015715
-0.0025	0.95711	-0.00631	0.89187	0.050026	0.28065	0.049742	0.2834	0.084384
0.025727	0.57919	-0.02832	0.54156	0.054676	0.23829	0.030987	0.50414	0.016076
0.024436	0.59839	-0.02683	0.563	0.099152	0.03218	0.053617	0.24752	0.020163
-0.00677	0.88407	-0.00496	0.91479	0.104938	0.02333	0.114926	0.01295	0.037614
0.046521	0.31577	-0.01421	0.75936	0.048931	0.29133	-0.01147	0.80466	0.022123
0.079911	0.08452	-0.09892	0.03258	0.111174	0.01624	-0.00213	0.96334	0.009087
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-0.01156	0.80332	-0.12717	0.00592	0.035531	0.44367	0.007377	0.87368	0.047837
0.0575	0.21487	-0.04153	0.37055	0.100464	0.02995	0.021315	0.64591	-0.00244
-0.01255	0.78671	-0.07374	0.11149	0.072513	0.11761	-0.01481	0.7496	-0.03462
0.023664	0.60999	-0.04225	0.36228	0.063087	0.1735	-0.01933	0.67691	-0.01847
0.057167	0.21754	-0.09919	0.03212	0.048063	0.29999	0.000962	0.98346	0.013649
0.051684	0.265	0.062612	0.17677	0.122205	0.0082	0.179093	9.97E-05	0.071908
0.025702	0.57955	-0.05278	0.25502	0.041158	0.37485	0.008458	0.85536	0.00448
0.063727	0.16918	-0.00152	0.97379	0.145957	0.00156	0.029618	0.52316	0.026459

0.11118	0.01623	-0.00319	0.94526	0.071248	0.12417	0.02917	0.52946	0.035401
0.057553	0.21445	-0.0525	0.25753	0.100537	0.02983	0.023957	0.60558	0.019784
0.058763	0.20495	0.008775	0.85	0.043908	0.34376	-0.02567	0.58003	0.067457
-0.04773	0.30334	-0.05457	0.23917	0.02092	0.65204	-0.02781	0.54887	-0.0473
-0.02813	0.54432	0.111085	0.01633	-0.01901	0.68194	0.009399	0.83947	0.012773
0.023525	0.61209	-0.06361	0.16997	0.033948	0.46425	-0.00534	0.90844	-0.01042
0.073242	0.11396	-0.02965	0.52265	0.098531	0.03328	0.031291	0.49995	0.044346
-0.01794	0.69893	-0.11699	0.0114	0.050488	0.27623	-0.05945	0.19971	0.022311
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0.027409	0.55463	-0.17877	0.0001	0.056257	0.22496	-0.02854	0.53841	-0.01485
0.036305	0.43379	-0.09461	0.04099	0.0697	0.13258	-0.00591	0.89865	0.001437
-0.0232	0.61696	-0.12637	0.00625	0.034124	0.46194	-0.00813	0.86098	0.004725
0.09904	0.03237	0.047515	0.30554	0.04426	0.33989	0.008097	0.86147	0.029135
0.028327	0.54144	-0.03842	0.40747	0.008738	0.85063	0.034577	0.45601	-0.10771
0.018852	0.68449	-0.07252	0.11759	0.058589	0.2063	0.012605	0.78587	-0.00795
0.023422	0.61365	-0.06795	0.14263	0.105564	0.02252	0.026048	0.57447	0.230684
0.022734	0.6241	-0.0038	0.93469	0.054955	0.2359	0.012937	0.78038	0.187333
0.022994	0.62016	0.000173	0.99703	0.047285	0.30789	0.018192	0.69498	-0.00072
0.060224	0.19389	-0.00903	0.84575	0.056231	0.22518	0.034053	0.46287	0.018542
0.039336	0.39638	-0.01413	0.76076	0.052382	0.25859	0.033335	0.47237	0.021153
0.025987	0.57537	-0.05532	0.23277	0.054456	0.24019	0.052181	0.26043	-0.00811
0.035045	0.44993	-0.04327	0.35079	0.07041	0.12867	0.023485	0.6127	0.029415
0.004175	0.9283	-0.10894	0.01852	0.027379	0.55506	0.023606	0.61087	0.087921
-0.00247	0.95761	-0.07272	0.11658	0.045699	0.32441	0.017312	0.70904	0.004734
0.072046	0.12	0.14826	0.00131	0.142379	0.00204	0.116562	0.01171	0.073208
0.12089	0.00892	-0.00555	0.90479	0.054855	0.23675	-0.00339	0.94182	0.014894
0.002914	0.94992	-0.0254	0.58397	0.212638	3.55E-06	0.190172	3.53E-05	0.243663
-0.03148	0.49737	-0.17305	0.00017	0.038521	0.40624	0.006975	0.88051	0.065155
0.02429	0.60057	-0.18936	3.82E-05	-0.00497	0.91469	-0.08228	0.07566	-0.09814
0.03741	0.41992	-0.08876	0.05528	0.017035	0.71349	-0.02813	0.54432	-0.06163
0.033289	0.47297	-0.0487	0.29361	0.085558	0.0647	0.022854	0.62229	0.003984
0.033069	0.4759	-0.10528	0.02289	0.055101	0.23466	0.015612	0.7365	0.012185
0.056971	0.21913	0.09917	0.03214	0.019895	0.66804	-0.00527	0.90949	-0.02361
0.06426	0.16563	-0.05772	0.21312	0.047267	0.30807	0.007355	0.87405	0.011078
0.003557	0.93889	-0.04808	0.29983	0.041888	0.36643	0.001551	0.97333	0.007615
0.057942	0.21136	-0.00251	0.95693	0.532001	1.76E-35	0.146689	0.00148	0.187808
0.007996	0.86318	0.02138	0.64492	0.022691	0.62476	-0.02263	0.62563	0.014222
-0.00782	0.86608	-0.00132	0.97735	0.371672	9.58E-17	0.100847	0.02933	0.060538
0.03239	0.48501	-0.00962	0.8357	0.04714	0.30937	0.02396	0.60553	0.010955
0.051492	0.26678	0.009036	0.84559	0.080264	0.08315	0.082692	0.07422	-0.00033
0.040296	0.38495	-0.06194	0.18148	0.096241	0.03761	0.114595	0.01321	0.039081
0.020932	0.65186	-0.06396	0.1676	0.051198	0.26952	0.018234	0.69431	0.005295
-0.00841	0.85615	-0.07027	0.12945	0.089393	0.05355	0.133822	0.00377	0.035491
0.016038	0.72959	-0.00758	0.87027	0.020317	0.66144	-0.03356	0.46936	-0.04984
0.039824	0.39054	-0.03307	0.47584	0.06783	0.14331	0.021783	0.63869	0.06399

0.056816	0.22038	-0.01138	0.80618	0.111568	0.01586	0.014039	0.76221	0.021474
0.079075	0.08784	0.010689	0.8178	0.100576	0.02977	0.015572	0.73715	0.046374
-0.00174	0.97003	-0.1249	0.00688	0.052087	0.26128	-0.0092	0.84287	0.003062
-0.00309	0.94691	-0.0391	0.39918	0.031047	0.50331	-0.00904	0.84551	-0.01183
0.060066	0.19507	-0.00773	0.8677	0.085899	0.06363	0.020669	0.65595	0.018103
0.112174	0.0153	-0.0099	0.83096	0.016278	0.72569	-0.00214	0.96326	-0.01445
-0.03527	0.44699	-0.17847	0.00011	0.044953	0.33238	-0.00165	0.97158	0.040704
0.072466	0.11785	0.051467	0.26701	0.036457	0.43187	0.004549	0.9219	-0.04699
0.041672	0.36891	0.057521	0.2147	0.003997	0.93134	-0.05654	0.2226	-0.04288
0.057765	0.21276	-0.01283	0.78214	0.070938	0.12582	0.022459	0.62832	0.024623
0.043112	0.35258	-0.02039	0.66025	0.047623	0.30444	0.040245	0.38555	0.013465
0.051973	0.26233	-0.05788	0.21182	0.029325	0.52728	-0.02908	0.53076	-0.03852
0.020634	0.65649	-0.02472	0.59411	0.066087	0.1539	0.036981	0.42528	0.014525
0.002756	0.95264	-0.04611	0.32009	0.074784	0.10652	0.010901	0.81424	0.009172
0.023899	0.60645	-0.01261	0.78582	0.05414	0.24293	0.01652	0.7218	0.009654
-0.03514	0.44876	-0.06354	0.17045	0.039291	0.39691	0.070828	0.12641	-0.00335
0.027267	0.55669	-0.02598	0.57553	0.063464	0.17095	0.022614	0.62595	0.016246
0.094803	0.04058	-0.0163	0.72536	0.113795	0.01387	0.021645	0.64083	-0.00665
0.036529	0.43097	0.006456	0.88933	0.062312	0.17886	0.009429	0.83896	0.014814
0.020257	0.66238	-0.02797	0.54658	0.04257	0.35868	0.010037	0.82874	-0.02053
0.068844	0.13741	0.031575	0.49607	0.090621	0.05033	0.010766	0.8165	0.037514
0.028396	0.54046	-0.0431	0.35269	0.053133	0.25181	-0.00051	0.99129	-0.01893
0.06123	0.18654	-0.05039	0.27716	0.062296	0.17898	0.009993	0.82948	0.008755
0.121723	0.00846	-0.03418	0.46117	-0.01065	0.81846	-0.02492	0.5912	-0.05284
0.038528	0.40615	-0.03742	0.41978	0.040123	0.38699	0.000888	0.98474	0.013622
0.086248	0.06256	-0.02683	0.56302	0.079826	0.08485	0.014779	0.75007	0.034456
0.091546	0.04802	-0.01001	0.82926	0.006549	0.88775	-0.07728	0.0953	-0.04874
0.04521	0.32962	-0.0833	0.07212	0.042348	0.36118	-0.00843	0.85584	-0.01727
0.092337	0.04611	0.030178	0.51534	0.045304	0.32862	-0.00626	0.89268	-0.0341
0.04504	0.33144	0.062066	0.18058	0.0071	0.87838	-0.03873	0.40376	-0.0885
-0.03282	0.4792	-0.09341	0.04364	0.025816	0.57787	-0.01186	0.79829	-0.04345
0.089601	0.05299	-0.03101	0.50383	0.053422	0.24925	-0.02409	0.60362	-0.01857
0.058248	0.20895	-0.03885	0.40225	0.051347	0.26813	-0.01122	0.809	-0.017
0.068174	0.14129	-0.00883	0.84913	0.049341	0.28731	0.001744	0.97001	0.136029
0.023627	0.61055	-0.04835	0.29707	0.076652	0.09804	-0.01398	0.76325	-0.01761
0.101235	0.02871	0.155913	0.00072	0.025252	0.58622	0.000419	0.9928	0.057004
0.037197	0.42257	-0.01737	0.70804	0.05908	0.20252	0.010663	0.81824	0.016564
0.075032	0.10536	-0.08057	0.08197	0.061028	0.188	-0.01701	0.71386	0.023951
0.012025	0.7955	-0.0393	0.39683	0.078958	0.08831	0.03925	0.39741	-0.00523
-0.02672	0.56457	-0.10388	0.02477	0.036068	0.4368	-0.02723	0.5572	-0.04063
0.008052	0.86222	-0.1297	0.005	0.036498	0.43136	-0.02173	0.63949	-0.0044
0.143783	0.00184	-0.06107	0.18769	0.081857	0.0772	-0.00429	0.92631	-0.00511
0.094298	0.04166	-0.04486	0.33343	0.115648	0.01239	0.014563	0.75361	-0.0029
0.088388	0.0563	-0.04751	0.30562	0.053291	0.25041	0.005743	0.9015	0.001205
0.013719	0.76747	-0.03749	0.4189	0.054555	0.23933	-0.00214	0.9633	-0.0033

0.016352	0.7245	-0.06381	0.1686	0.063661	0.16962	0.003326	0.94286	-0.02074
0.065402	0.15822	-0.08527	0.06559	0.113946	0.01375	0.031831	0.49258	0.003138
0.027343	0.55558	-0.07682	0.0973	0.059129	0.20214	0.015386	0.74018	0.020117
0.016182	0.72726	-0.04898	0.29088	0.05888	0.20405	0.013666	0.76834	0.02241
0.024664	0.59497	-0.07097	0.12564	0.057577	0.21426	0.012984	0.7796	0.029897
0.019654	0.67183	-0.00592	0.8985	0.066172	0.15337	0.035092	0.44933	0.019731
0.016909	0.71551	-0.02522	0.58674	0.051493	0.26678	0.011087	0.81114	0.006075
0.035933	0.43852	-0.04133	0.37282	0.123042	0.00777	0.019904	0.66791	0.001154
0.040994	0.37676	-0.00941	0.83924	0.079994	0.0842	0.011935	0.79699	0.016443
0.066874	0.14905	-0.01196	0.79657	0.109519	0.01791	0.021102	0.64921	0.010544
-0.00681	0.88333	-0.02228	0.63101	0.028765	0.53521	-0.00708	0.87866	-0.01648
0.053957	0.24453	-0.01717	0.71133	0.061874	0.18194	0.019102	0.68054	0.01791
-0.01693	0.71515	-0.01177	0.79969	0.032915	0.47796	0.018983	0.68242	0.014924
0.021972	0.63579	-0.02924	0.52853	0.050178	0.2792	0.028663	0.53665	0.142927
0.019123	0.68021	-0.05063	0.27491	0.045286	0.32881	0.016649	0.7197	0.024148
0.013045	0.77859	-0.06673	0.14992	0.056967	0.21916	0.015702	0.73504	0.019216
0.032365	0.48535	-0.02596	0.5757	0.092486	0.04576	0.015877	0.73219	-0.00637
0.026333	0.57028	-0.06125	0.18642	0.078848	0.08876	0.021919	0.6366	0.010147
0.046309	0.31799	0.025883	0.57689	0.041915	0.36612	0.007805	0.86641	0.020469
0.036067	0.43681	-0.00236	0.9594	0.058135	0.20984	0.043315	0.35031	0.034784
0.005148	0.91166	-0.03186	0.49224	0.070287	0.12934	0.010438	0.822	-0.00141
0.019864	0.66854	-0.07883	0.08884	0.053492	0.24862	0.021812	0.63825	0.026689
0.061739	0.1829	0.005198	0.9108	0.067321	0.14634	-0.00945	0.8386	-0.00054
0.075252	0.10434	-0.01183	0.7987	0.078938	0.08839	0.001542	0.97348	0.016193
0.041725	0.36831	-0.05066	0.27458	0.039739	0.39155	0.001655	0.97155	-0.02429
0.088273	0.05662	0.002834	0.9513	0.06658	0.15085	0.000683	0.98826	0.008927
0.097126	0.03588	-0.01622	0.72662	0.104992	0.02326	0.01355	0.77026	0.019864
0.023533	0.61197	-0.10038	0.03008	0.139876	0.00245	0.037922	0.41359	0.014363
0.138965	0.00262	-0.05707	0.21835	0.03633	0.43348	-0.08898	0.05466	-0.0122
0.044339	0.33903	-0.10183	0.02778	0.056388	0.22389	-0.0129	0.78094	-0.00604
0.022667	0.62513	-0.05171	0.26476	0.05913	0.20213	0.02198	0.63566	0.006815
0.085881	0.06369	0.026779	0.56378	0.071965	0.12042	-0.00831	0.85793	-0.00339
0.07307	0.11481	-0.01477	0.75025	0.196548	1.89E-05	0.041367	0.37242	0.028764
0.01205	0.79508	-0.01634	0.72469	0.055721	0.22942	0.020418	0.65987	0.029653
-0.0205	0.65854	-0.07553	0.10305	0.075095	0.10507	0.010104	0.82761	0.009796
0.021928	0.63645	-0.06709	0.14774	0.061556	0.1842	0.015891	0.73197	0.014409
0.035345	0.44606	-0.04327	0.35077	0.074458	0.10806	0.017166	0.71138	0.004457
0.055503	0.23125	-0.05084	0.27285	0.061034	0.18796	0.019452	0.67502	0.010386
0.010965	0.81318	-0.02964	0.52287	0.048833	0.2923	0.018107	0.69634	-0.00426
0.073642	0.11199	-0.00403	0.93079	0.045903	0.32226	0.012364	0.78986	0.016162
0.006631	0.88636	-0.03086	0.5059	0.026843	0.56284	-0.01855	0.68925	-0.03165
0.034373	0.45867	-0.01963	0.67218	0.058614	0.2061	0.042418	0.36039	0.006407
0.033349	0.47218	0.013077	0.77806	0.051544	0.2663	-0.00775	0.8674	0.009251
0.060216	0.19395	0.043885	0.344	0.061009	0.18814	0.00334	0.94261	-0.03138
0.024994	0.59005	-0.04245	0.36004	0.050798	0.27329	0.006196	0.89377	-0.00582



0.016876	0.71605	-0.02807	0.54513	0.050503	0.27609	0.042624	0.35806	0.012626
0.030893	0.50543	-0.05549	0.23139	0.061324	0.18586	0.055478	0.23146	0.016448
0.017981	0.69834	-0.03893	0.4013	0.038158	0.41068	-0.02624	0.57169	-0.01845
0.006735	0.88458	-0.06137	0.18553	0.026058	0.57432	-0.00877	0.85002	-0.02561
0.036009	0.43755	-0.05819	0.20942	0.066895	0.14892	0.014588	0.7532	0.010119
0.037544	0.41826	0.070753	0.12681	0.07146	0.12305	0.045638	0.32505	0.009803
0.031095	0.50265	-0.0427	0.35718	0.042719	0.35699	-0.00769	0.86833	-0.03505
0.035947	0.43834	-0.01078	0.81633	0.060001	0.19555	0.020213	0.66307	0.003576
0.094813	0.04055	0.068389	0.14003	0.04059	0.38148	0.009093	0.84463	0.05248
0.022454	0.6284	0.072083	0.11981	0.060336	0.19306	0.032152	0.48822	0.020541
0.023406	0.6139	0.004808	0.91746	0.049074	0.28992	0.019766	0.67008	0.004852
0.000171	0.99706	-0.06904	0.13627	0.073788	0.11128	0.00623	0.89319	-0.01877
0.038736	0.40362	-0.00435	0.9253	0.073445	0.11295	0.015621	0.73635	0.018993
0.034426	0.45798	-0.01867	0.68739	0.067027	0.14812	0.018877	0.68409	0.016746
0.033953	0.46419	-0.01167	0.80147	0.054439	0.24033	0.025089	0.58864	0.018906
-0.02744	0.55419	-0.06336	0.17167	0.04245	0.36003	-0.01667	0.71932	-0.03468
0.043787	0.34509	-0.01455	0.75387	0.060254	0.19367	0.028979	0.53216	0.008658
0.007867	0.86536	-0.03746	0.41926	0.027695	0.55051	-0.01719	0.71105	0.002564
0.052391	0.25851	-0.05446	0.24012	0.050539	0.27575	0.015233	0.74266	-0.00206
0.049458	0.28616	-0.00608	0.89573	0.051801	0.26392	0.006362	0.89093	-0.00435
0.0464	0.31703	-0.04573	0.32407	0.067122	0.14754	0.009532	0.83723	0.009969
0.013316	0.77412	-0.07714	0.09592	0.096118	0.03786	0.021802	0.6384	0.007062
-0.01092	0.81391	-0.05876	0.20495	0.038036	0.41218	-0.00667	0.88572	-0.00208
0.066301	0.15257	-0.00303	0.94801	0.131592	0.00439	0.03858	0.40552	0.020416
0.011827	0.79879	-0.0928	0.04503	0.064969	0.161	0.039328	0.39648	0.034235
0.049444	0.2863	0.037162	0.42301	0.051259	0.26896	-0.00748	0.87197	-0.04232
0.004991	0.91434	-0.06793	0.1427	0.068941	0.13685	0.005874	0.89926	0.064036
0.058915	0.20378	-0.15862	0.00058	0.030949	0.50465	-0.06974	0.13235	-0.02417
0.004478	0.92312	-0.04348	0.34847	0.05727	0.21671	0.015679	0.73541	0.007684
0.00101	0.98263	0.042615	0.35816	0.026405	0.56923	0.016977	0.71443	0.027009
-0.0567	0.2213	-0.06588	0.15522	0.037689	0.41646	0.032049	0.48962	-0.01202
0.022891	0.62171	-0.03165	0.49511	0.063387	0.17147	-0.00855	0.8538	-0.01499
0.014289	0.75811	0.002231	0.96166	0.055854	0.22831	0.017707	0.70272	-0.00301
0.077216	0.09558	-0.04539	0.32773	0.05198	0.26226	-0.0057	0.9023	-0.03144
-0.0317	0.4943	-0.17331	0.00017	0.032661	0.48137	0.033915	0.46468	0.006338
0.038055	0.41195	-0.00669	0.88544	0.041474	0.37119	0.01567	0.73555	0.007165
0.030845	0.50609	-0.06394	0.16774	0.117239	0.01123	0.016257	0.72603	0.011655
0.049145	0.28922	-0.00991	0.83088	0.099374	0.03179	0.070279	0.12938	0.032852
-0.02595	0.57593	-0.12818	0.00554	0.01082	0.8156	-0.0537	0.24677	-0.06014
0.023723	0.6091	0.000617	0.98939	0.025531	0.58209	-0.01998	0.66666	-0.00744
0.068052	0.142	-0.01734	0.70854	0.096903	0.03631	0.0234	0.61398	0.015139
0.085835	0.06383	0.059843	0.19674	0.040659	0.38068	-0.04479	0.33415	-0.01268
0.03414	0.46173	-0.03918	0.39824	0.058043	0.21056	0.017082	0.71274	0.016969
-0.02761	0.55178	0.006557	0.88762	0.016319	0.72505	0.013719	0.76747	-0.02302
-0.01416	0.76029	-0.07446	0.10804	0.026901	0.56199	0.02002	0.6661	0.023933

0.062073	0.18053	-0.02973	0.52158	0.119887	0.00951	0.031382	0.49871	0.069018
0.029828	0.52021	0.033722	0.46724	0.07967	0.08547	0.074532	0.10771	0.064622
0.116094	0.01205	-0.02139	0.64481	0.085613	0.06452	0.018951	0.68293	0.012877
0.005138	0.91183	-0.00855	0.85381	0.035372	0.44571	-0.03286	0.47871	-0.03578
0.065377	0.15838	-0.02929	0.52774	0.077759	0.09327	-0.01526	0.74218	0.022153
-0.00194	0.96672	-0.08018	0.08348	0.062688	0.17625	0.002885	0.95042	-0.00072
0.221315	1.37E-06	0.025638	0.58051	0.020407	0.66004	-0.04216	0.36336	-0.04248
0.062833	0.17525	-0.00081	0.98612	0.058542	0.20666	0.004058	0.9303	-0.00996
0.003111	0.94654	-0.01799	0.69825	0.050131	0.27964	0.020676	0.65584	0.030197
-0.01379	0.76622	-0.11651	0.01175	0.043502	0.34824	0.065617	0.15686	-0.01474
0.091425	0.04832	-0.01461	0.75277	0.083382	0.07183	0.015216	0.74294	-0.03083
-0.03566	0.44195	-0.13635	0.00315	0.06854	0.13916	-0.00467	0.91977	-0.00518
0.07531	0.10407	0.061141	0.18718	0.096551	0.037	0.02018	0.66358	0.032984
-0.00843	0.85589	-0.04891	0.29158	0.018471	0.69054	-0.01485	0.74884	-0.00686
-0.04411	0.34149	-0.08765	0.05839	0.02277	0.62356	-0.02161	0.64143	-0.03558
0.019123	0.68021	-0.05063	0.27491	0.045286	0.32881	0.016649	0.7197	0.024148
0.043785	0.34511	-0.0447	0.33507	0.053218	0.25105	0.007536	0.87097	-0.00248
-0.00891	0.84779	-0.09884	0.03272	0.041011	0.37655	0.017092	0.71257	-0.01623
0.097782	0.03464	0.083645	0.07093	0.050342	0.27763	0.040063	0.3877	0.112209
-0.00425	0.92696	-0.04789	0.30172	0.034013	0.4634	-0.02166	0.64059	0.010999
0.036848	0.42695	-0.0425	0.35943	0.0415	0.37089	-0.01687	0.71622	0.037204
0.009043	0.84547	-0.03713	0.42344	0.042215	0.3627	-0.00891	0.84768	-0.01175
0.02072	0.65516	-0.09753	0.03512	0.02862	0.53727	-0.02251	0.62758	-0.02258
-0.03473	0.45396	-0.09501	0.04013	0.012623	0.78558	-0.01714	0.71179	-0.01493
0.167953	0.00027	0.079803	0.08494	0.067814	0.14341	0.014462	0.75526	0.010275
0.105938	0.02204	0.029378	0.52653	0.026879	0.56232	0.004431	0.92392	-0.00446
0.035352	0.44597	-0.02019	0.6635	0.062512	0.17747	0.024621	0.59561	0.015532
0.014235	0.75898	0.042469	0.35982	0.018171	0.69531	-0.05638	0.22399	0.084022
0.110471	0.01693	0.06513	0.15997	-0.03623	0.43476	-0.11683	0.01152	0.012663
0.120155	0.00935	-0.03903	0.4001	-0.03782	0.41479	-0.16527	0.00033	-0.04739
-0.07121	0.1244	-0.26463	6.35E-09	-0.02313	0.61811	0.020688	0.65565	-0.02071
0.106006	0.02196	0.080163	0.08354	-0.02348	0.61285	-0.06157	0.18412	0.014985
-0.05262	0.25644	0.013558	0.77012	0.008133	0.86086	-0.02729	0.55629	0.049915
-0.25157	3.57E-08	-0.07043	0.12854	0.076721	0.09773	0.14232	0.00205	0.092675
0.112865	0.01468	0.13369	0.0038	0.021948	0.63615	-0.02709	0.55922	0.050902
-0.02793	0.54718	-0.23214	3.93E-07	-0.01594	0.73112	-0.07341	0.11315	-0.06714
0.217644	2.06E-06	0.203809	9.03E-06	-0.05127	0.26889	-0.06881	0.13762	-0.04257
-0.17107	0.0002	0.14329	0.00191	0.092642	0.0454	0.184094	6.28E-05	0.230872
0.07533	0.10398	0.020695	0.65554	0.016672	0.71933	0.020758	0.65457	0.079021
-0.10348	0.02534	-0.11889	0.01012	0.023455	0.61315	0.038385	0.40791	0.097274
0.093297	0.04389	0.08841	0.05624	-0.00288	0.95045	-0.03435	0.459	0.02236
0.003827	0.93427	-0.05477	0.23745	0.000319	0.99452	-0.10888	0.01859	-0.00525
-0.32595	5.08E-13	-0.3094	8.11E-12	-0.01625	0.72609	-0.03136	0.49902	-0.02238
0.156256	0.0007	0.332152	1.72E-13	0.05148	0.26689	0.059659	0.19812	0.180535
-0.10877	0.01871	-0.10527	0.02289	-0.02264	0.62559	-0.06439	0.16477	0.017166

-0.01377	0.76662	-0.01592	0.73145	0.029734	0.52154	0.047897	0.30166	-0.03021
-0.00997	0.82989	0.097769	0.03467	0.091045	0.04926	0.061625	0.18371	0.259291
0.006726	0.88473	-0.09206	0.04678	-0.03742	0.41978	-0.01254	0.78687	-0.08749
-0.10461	0.02377	-0.03895	0.40101	0.02373	0.609	0.161613	0.00045	-0.08531
-0.04689	0.31197	-0.23324	3.45E-07	-0.02561	0.58092	-0.05753	0.21461	-0.15271
-0.00924	0.84218	-0.01759	0.70464	-0.01907	0.68099	-0.00629	0.89221	-0.02793
-0.04488	0.33319	-0.08774	0.05814	0.072039	0.12003	0.031098	0.5026	0.103254
-0.03368	0.46777	-0.12311	0.00773	-0.03186	0.49222	-0.13311	0.00396	-0.04518
0.355705	2.25E-15	0.007751	0.86733	-0.0173	0.70928	-0.09294	0.0447	-0.08274
-0.12857	0.00539	-0.24877	5.11E-08	0.017692	0.70296	-0.05152	0.26648	0.076474
-0.02188	0.63712	3.81E-05	0.99935	-0.01335	0.77361	-0.06436	0.16494	0.018561
-0.0154	0.73989	0.04208	0.36423	0.031587	0.49591	0.048216	0.29845	0.088519
0.107929	0.01965	-0.13603	0.00322	-0.04677	0.31322	-0.14521	0.00165	-0.22008
0.021518	0.64278	0.201291	1.17E-05	0.054054	0.24368	0.074522	0.10776	0.165767
0.001957	0.96636	-0.1245	0.00706	-0.03141	0.49835	-0.08402	0.06968	0.016196
0.064181	0.16615	-0.05744	0.21533	-0.04862	0.2944	-0.01589	0.73194	0.065633
-0.02372	0.60914	0.023311	0.61534	-0.03358	0.46912	-0.02988	0.51956	0.033639
-0.03823	0.40981	-0.10191	0.02766	-0.02353	0.61196	-0.09886	0.03268	-0.00842
-0.10266	0.02653	-0.16803	0.00027	-0.02814	0.54406	-0.12606	0.00638	-0.03402
0.023944	0.60577	-0.00065	0.98876	-0.03905	0.39979	-0.10462	0.02376	0.024309
0.052194	0.26031	-0.10896	0.01851	-0.00739	0.87354	-0.11993	0.00948	-0.00809
0.034607	0.45562	-0.07299	0.11522	-0.04331	0.35041	-0.17096	0.00021	-0.04668
-0.23926	1.67E-07	-0.21604	2.46E-06	0.033757	0.46677	0.048745	0.29317	0.001848
-0.23829	1.88E-07	-0.05634	0.22427	0.072055	0.11995	0.172935	0.00017	0.213764
0.028248	0.54257	-0.01997	0.66684	-0.02493	0.59093	-0.10114	0.02886	0.012887
0.040994	0.37675	0.147245	0.00142	0.105649	0.02241	0.098851	0.0327	0.34233
0.057056	0.21844	-0.1384	0.00272	-0.03296	0.47742	-0.10384	0.02483	-0.01193
-0.00919	0.84304	0.075651	0.10251	0.001302	0.97762	0.034862	0.4523	0.125655
-0.15139	0.00103	-0.0017	0.97075	0.038893	0.40172	0.107463	0.02019	0.128467
-0.25658	1.86E-08	-0.18714	4.72E-05	0.047605	0.30462	0.049026	0.2904	0.056867
-0.12674	0.0061	-0.09234	0.04612	-0.0495	0.28576	-0.07977	0.08508	0.010385
0.059293	0.20089	-0.1047	0.02365	0.005801	0.9005	-0.0155	0.73825	-0.02436
-0.2164	2.36E-06	-0.22843	6.06E-07	-0.03934	0.39638	-0.05107	0.27077	-0.10553
-0.0944	0.04144	-0.04371	0.34593	0.02409	0.60357	0.009951	0.83018	0.078816
0.063267	0.17228	0.00983	0.83221	0.079616	0.08568	0.027431	0.55431	0.318021
-0.04405	0.34217	-0.03512	0.44894	-0.00753	0.87112	-0.03501	0.45038	0.030337
0.080986	0.08041	-0.0328	0.47946	-0.03933	0.39644	-0.12083	0.00896	-0.01328
-0.07353	0.11254	0.045284	0.32883	0.052807	0.25475	0.000104	0.99821	0.170463
0.119651	0.00965	-0.04175	0.36802	-0.01621	0.72674	-0.12635	0.00626	0.097907
-0.12285	0.00787	-0.04942	0.28654	0.041034	0.3763	0.091971	0.04699	0.301807
0.060957	0.18852	0.210533	4.45E-06	-0.00067	0.98849	0.082191	0.07599	0.020457
0.158249	0.0006	0.243033	1.05E-07	-0.01807	0.69686	-0.10475	0.02359	0.024374
-0.13362	0.00382	-0.00702	0.87975	-0.00512	0.91211	0.005106	0.91237	0.094569
-0.06849	0.13947	-0.0901	0.05167	0.006811	0.88329	0.024608	0.59581	-0.02564
-0.12579	0.00649	0.095901	0.0383	0.00199	0.96579	0.105864	0.02214	0.061997

-0.16048	0.0005	0.016969	0.71455	0.038696	0.40411	0.051402	0.26762	0.122084
-0.03952	0.39413	-0.1089	0.01857	-0.04495	0.33236	-0.02529	0.58572	-0.03104
-0.04414	0.34116	-0.02769	0.55059	0.028384	0.54063	0.062561	0.17713	0.354879
-0.13182	0.00433	-0.02638	0.56953	-0.01387	0.76494	-0.01225	0.79183	0.02686
-0.15771	0.00062	-0.18935	3.82E-05	0.052394	0.25848	0.092896	0.04481	0.071144
0.116673	0.01163	-0.03642	0.43239	0.032845	0.4789	-0.05901	0.20308	0.111871
-0.01009	0.8279	-0.06532	0.15874	-0.01456	0.75372	-0.10808	0.01948	0.038705
-0.18116	8.25E-05	-0.0385	0.4065	0.045317	0.32848	0.102677	0.0265	0.110039
-0.01566	0.73574	-0.05289	0.25401	0.013143	0.77696	-0.03356	0.46931	0.115526
0.031798	0.49303	0.208258	5.67E-06	0.0825	0.0749	0.04728	0.30794	0.305838
0.04703	0.31051	0.208031	5.81E-06	0.062961	0.17437	0.051442	0.26725	0.241835
-0.04116	0.37481	-0.09488	0.04041	-0.04977	0.28313	-0.15292	0.00092	-0.04395
0.241594	1.25E-07	0.240115	1.50E-07	-0.02088	0.65265	-0.116	0.01212	0.000551
-0.02905	0.53118	-0.06363	0.16982	-0.01716	0.7115	-0.13728	0.00295	-0.04285
-0.03784	0.41463	-0.1469	0.00146	-0.00159	0.97269	-0.10694	0.02081	0.030475
-0.00227	0.96105	-0.03573	0.44115	-0.01795	0.69878	-0.11675	0.01157	-0.00502
0.030938	0.5048	-0.00982	0.83238	-0.01529	0.74177	-0.14944	0.0012	-0.00771
-0.02695	0.56131	-0.08453	0.06798	-0.03017	0.51544	-0.12774	0.0057	-0.00776
-0.11437	0.0134	-0.05153	0.26643	0.066205	0.15316	0.020673	0.65589	0.185265
0.140309	0.00237	0.10664	0.02117	0.075778	0.10194	-0.00369	0.93657	0.202527
-0.0554	0.23209	0.004526	0.92229	0.005577	0.90433	0.098398	0.03352	0.115533
-0.09083	0.04981	0.036452	0.43193	0.027274	0.55658	0.062616	0.17674	0.0852
-0.06467	0.16296	-0.05044	0.27672	0.012181	0.79291	0.004695	0.9194	0.041776
-0.26325	7.66E-09	0.034938	0.45132	0.078738	0.0892	0.155351	0.00076	0.157629
0.075457	0.1034	-0.05248	0.25773	0.005001	0.91417	-0.07355	0.11246	0.01519
0.123217	0.00768	0.140137	0.0024	-0.02318	0.61728	-0.03635	0.43325	0.184637
0.134903	0.00349	0.267937	4.04E-09	0.078366	0.09073	0.103939	0.02469	0.149793
-0.01748	0.70631	-0.08421	0.06906	-0.02697	0.56093	-0.14572	0.00159	0.016844
0.050263	0.27838	-0.06318	0.17286	0.033437	0.471	-0.03398	0.4638	0.074869
0.02419	0.60207	0.074249	0.10906	0.039195	0.39807	0.018963	0.68274	0.201591
-0.16358	0.00039	-0.37759	2.84E-17	-0.06966	0.13282	-0.07763	0.09381	-0.04072
-0.00659	0.88703	0.001527	0.97375	-0.0419	0.36624	-0.13162	0.00438	-0.00162
-0.06241	0.17815	-0.31415	3.72E-12	-0.00627	0.89257	0.019309	0.67726	-0.10095
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-0.12537	0.00667	-0.16709	0.00029	0.00446	0.92343	0.060951	0.18856	0.078734
-0.05333	0.2501	-0.30385	1.98E-11	-0.0259	0.57671	-0.06283	0.17528	-0.07701
-0.03033	0.51323	-0.30942	8.07E-12	-0.02105	0.64999	-0.03153	0.49665	-0.08921
-0.09214	0.04658	-0.30511	1.62E-11	-0.01524	0.74254	-0.04889	0.29171	-0.01893
-0.12736	0.00585	-0.14814	0.00132	-0.00745	0.87239	0.019114	0.68035	0.051098
-0.11833	0.01049	-0.03746	0.41927	-0.00913	0.844	-0.00574	0.90147	-0.04303
-0.02024	0.66269	-0.23678	2.25E-07	-0.04002	0.38818	-0.19104	3.24E-05	-0.05071
-0.13845	0.00271	-0.17816	0.00011	-0.01091	0.81417	-0.01087	0.81484	-0.04595
-0.15785	0.00062	-0.32346	7.78E-13	-0.03879	0.40294	-0.08534	0.06539	-0.08416
-0.05024	0.27864	-0.08443	0.06833	-0.0065	0.88859	-0.115	0.01289	0.026349
0.244513	8.74E-08	0.083544	0.07128	0.024351	0.59965	-0.05524	0.23351	0.136219

0.277211	1.10E-09	0.265199	5.88E-09	-0.02739	0.55489	-0.05573	0.22938	0.040263
0.086322	0.06233	-0.11383	0.01384	-0.02814	0.54414	-0.02488	0.5918	-0.07084
0.018295	0.69334	-0.01988	0.66833	-0.0732	0.11418	-0.1356	0.00332	-0.04776
0.072496	0.1177	-0.07927	0.08707	-0.00884	0.84893	-0.03432	0.45941	0.042404
0.055919	0.22777	-0.1103	0.0171	-0.0223	0.63077	-0.02185	0.63767	-0.05193
-0.1384	0.00272	0.024646	0.59524	0.194244	2.37E-05	0.19231	2.87E-05	0.501442
-0.37766	2.80E-17	-0.22309	1.12E-06	0.062379	0.1784	0.137501	0.00291	0.064625
-0.00344	0.94087	-0.02237	0.62973	-0.02554	0.58193	-0.0734	0.11319	0.008246
-0.02801	0.54597	-0.00548	0.90592	0.035689	0.44164	0.012657	0.78501	0.125917
0.0105	0.82097	-0.0972	0.03575	0.036362	0.43307	-0.02461	0.5957	0.157969
-0.17524	0.00014	-0.2509	3.89E-08	-0.00855	0.85375	-0.09713	0.03588	0.006569
-0.10708	0.02064	-0.18135	8.11E-05	-0.04384	0.34446	-0.14746	0.0014	-0.04992
-0.156	0.00072	-0.02956	0.52399	-0.02955	0.52413	0.065845	0.15542	-0.06357
-0.29818	4.81E-11	-0.26047	1.11E-08	0.027748	0.54974	0.017852	0.7004	0.121357
0.061583	0.18401	0.115111	0.0128	-0.04951	0.28567	-0.15186	0.00099	-0.06158
0.120542	0.00912	-0.01573	0.73451	-0.04554	0.32606	-0.13189	0.0043	-0.03823
-0.0519	0.26301	-0.07961	0.08571	-0.02812	0.54442	-0.02445	0.59816	0.029541
0.089437	0.05343	-0.0547	0.23808	-0.034	0.46359	-0.11053	0.01688	-0.01215
0.113027	0.01453	0.127253	0.00589	-0.03165	0.49505	-0.04069	0.38034	-0.03588
-0.04864	0.29419	0.033115	0.47529	0.049805	0.28279	0.063369	0.17159	0.136829
-0.13183	0.00432	-0.22019	1.55E-06	0.011385	0.80616	-0.04606	0.32057	0.011571
0.16407	0.00037	0.098496	0.03334	-0.0467	0.31394	-0.17064	0.00021	-0.07524
-0.01288	0.78125	0.358498	1.31E-15	0.088106	0.0571	0.117706	0.01091	0.297148
-0.05455	0.23936	0.21132	4.09E-06	0.051478	0.26691	0.081541	0.07835	0.25492
0.029802	0.52058	-0.1092	0.01825	-0.01865	0.68765	-0.15122	0.00105	-0.04197
-0.18062	8.67E-05	-0.05373	0.24648	0.047042	0.31038	0.086078	0.06308	0.171899
0.0988	0.0328	-0.00275	0.95274	0.03931	0.39669	0.034693	0.45449	0.092313
-0.17415	0.00016	-0.04355	0.34773	0.001006	0.98271	0.013284	0.77465	0.045947
-0.06423	0.16584	-0.16059	0.00049	-0.00971	0.83417	-0.12018	0.00934	0.022896
-0.2283	6.15E-07	0.114044	0.01367	0.079461	0.08629	0.155317	0.00076	0.182141
-0.25357	2.76E-08	-0.32454	6.48E-13	-0.02105	0.64997	0.040372	0.38405	-0.06379
0.160392	0.0005	0.245933	7.31E-08	0.022163	0.63284	-0.08716	0.05982	0.171737
-0.07465	0.10717	0.121943	0.00834	-0.04252	0.35918	-0.1393	0.00255	-0.01458
-0.00733	0.87442	-0.08711	0.05997	0.011298	0.80761	-0.06903	0.13637	0.049306
0.113108	0.01446	0.295882	6.87E-11	0.006707	0.88506	0.03864	0.40479	-0.01838
-0.24424	9.04E-08	-0.20783	5.94E-06	0.003008	0.94832	-0.01299	0.77954	0.020473
0.065575	0.15712	0.089166	0.05416	-0.00242	0.95836	-0.02694	0.56138	0.090588
0.0008	0.98625	0.044008	0.34265	-0.04682	0.31266	-0.11768	0.01093	0.036777
0.058227	0.20912	0.261269	1.00E-08	0.005387	0.90758	-0.01233	0.79048	0.069136
0.008261	0.85869	-0.10337	0.0255	-0.02054	0.658	-0.1571	0.00066	-0.06458
-0.12227	0.00817	-0.11694	0.01144	-0.02702	0.56019	-0.13079	0.00464	-0.10463
0.033459	0.47072	-0.10517	0.02303	-0.03352	0.46984	-0.15272	0.00093	-0.08435
-0.0631	0.17344	-0.17798	0.00011	0.010466	0.82154	-0.09442	0.0414	0.047349
0.112885	0.01466	-0.02618	0.5726	-0.01501	0.74633	0.06376	0.16895	0.092044
0.049713	0.28368	0.055929	0.22769	0.059695	0.19784	0.038859	0.40214	0.221475

0.022521	0.62736	-0.07215	0.11946	0.002488	0.95724	-0.09162	0.04783	0.070714
-0.05245	0.25793	0.018366	0.69221	0.001789	0.96925	-0.01893	0.68333	0.092187
0.062798	0.17549	0.077712	0.09346	0.017226	0.71042	0.034115	0.46205	0.066914
0.018814	0.6851	-0.03094	0.50477	-0.02147	0.64357	-0.05655	0.22252	-0.03306
-0.01362	0.76908	0.011178	0.80961	-0.00347	0.9403	-0.03721	0.42237	0.03403
0.097234	0.03568	0.208599	5.47E-06	-0.01732	0.70896	-0.05327	0.25057	0.016125
-0.25236	3.23E-08	-0.1856	5.45E-05	0.003781	0.93505	0.045044	0.3314	0.005884
-0.27482	1.54E-09	-0.15572	0.00073	0.053689	0.24688	0.183348	6.74E-05	0.138168
0.062376	0.17841	-0.11453	0.01327	-0.02203	0.63495	-0.13862	0.00268	-0.03512
-0.03086	0.50583	-0.11719	0.01126	0.033395	0.47157	-0.03533	0.44621	0.071762
0.013613	0.76921	0.055804	0.22873	-0.00173	0.97028	-0.05564	0.23009	0.046835
-0.04685	0.3124	-0.1228	0.00789	-0.01358	0.76981	-0.08369	0.07076	0.03621
-0.04907	0.28993	-0.11256	0.01494	-0.04221	0.36276	-0.06471	0.16266	-0.06379
-0.09988	0.03092	-0.12459	0.00702	0.034344	0.45905	0.193781	2.48E-05	-0.08508
-0.0509	0.27235	-0.19225	2.88E-05	-0.02184	0.63787	-0.14941	0.0012	-0.05805
-0.13712	0.00299	-0.23191	4.03E-07	-0.02301	0.61984	-0.05513	0.2344	-0.05478
-0.15453	0.00081	-0.19945	1.41E-05	-0.01576	0.73404	-0.07827	0.09114	-0.02012
0.169315	0.00024	-0.02062	0.65666	-0.04898	0.29086	-0.1123	0.01518	-0.17554
0.11492	0.01295	0.066341	0.15232	0.032964	0.47731	0.083536	0.0713	0.112092
0.022325	0.63036	-0.05356	0.24802	-0.0128	0.78268	-0.12934	0.00512	-0.08445
-0.23202	3.98E-07	-0.13795	0.00281	0.032667	0.48129	0.016321	0.725	0.137115
0.135868	0.00326	0.16894	0.00025	-0.00116	0.98003	-0.04986	0.28222	0.088847
-0.22716	7.02E-07	-0.18977	3.67E-05	0.044855	0.33343	0.09521	0.03972	0.169341
-0.00461	0.92093	-0.08397	0.06985	-0.00683	0.8829	-0.00199	0.96587	-0.02648
0.005423	0.90695	-0.00032	0.99447	0.095544	0.03903	0.11866	0.01027	0.225786
0.018786	0.68553	0.044647	0.33569	0.004084	0.92986	-0.0132	0.77602	0.050843
-0.05468	0.23829	-0.0722	0.11923	-0.01151	0.80412	-0.03537	0.44579	0.018723
-0.05879	0.20477	0.239336	1.65E-07	0.088765	0.05525	0.240235	1.48E-07	0.44764
-0.0677	0.14407	-0.05548	0.23146	-0.00756	0.8705	-0.06668	0.15022	0.030373
-0.05443	0.2404	0.077913	0.09262	0.077147	0.09588	0.068901	0.13708	0.283777
-0.09821	0.03386	-0.09709	0.03596	-0.02871	0.53605	-0.04086	0.37828	0.013042
0.190338	3.47E-05	0.239024	1.72E-07	0.06283	0.17527	0.083897	0.07008	0.205151
0.133496	0.00385	0.066967	0.14848	-0.02346	0.61303	-0.13164	0.00438	-0.01282
0.236412	2.36E-07	0.189287	3.84E-05	-0.02698	0.56085	-0.08425	0.06892	0.053118
-0.10892	0.01855	0.118194	0.01058	0.04719	0.30886	0.068293	0.14059	0.131656
0.102121	0.02733	0.257903	1.56E-08	0.020386	0.66036	-0.05969	0.19789	0.12908
-0.02159	0.64163	0.000412	0.99291	0.018311	0.69307	-0.0291	0.53052	0.049643
-0.04411	0.34148	-0.12339	0.0076	-0.01845	0.69092	-0.06449	0.16413	-0.03602
0.259229	1.31E-08	0.127683	0.00572	0.043261	0.35092	0.11314	0.01443	0.094251
-0.01098	0.81299	0.01382	0.7658	0.029956	0.51843	0.06385	0.16835	0.071467
-0.09472	0.04075	-0.29582	6.93E-11	-0.00615	0.89448	-0.01123	0.80876	-0.06873
-0.11917	0.00995	-0.17176	0.00019	-0.02592	0.57639	0.005975	0.89753	-0.0113
0.153588	0.00087	-0.07565	0.10253	-0.00348	0.94018	0.016323	0.72497	-0.0214
0.036011	0.43753	0.142079	0.00209	0.032939	0.47764	0.068849	0.13738	0.172437
0.083111	0.07276	-0.06104	0.1879	0.035601	0.44277	0.09817	0.03393	0.121863

0.042519	0.35925	-0.19511	2.18E-05	-0.03819	0.41034	-0.14601	0.00156	0.007947
-0.05151	0.26657	-0.14996	0.00115	-0.01679	0.71751	-0.06925	0.13508	-0.00774
0.227961	6.40E-07	-0.05891	0.20385	0.046635	0.31459	0.090488	0.05067	0.117595
-0.0133	0.7744	-0.12031	0.00926	-0.0019	0.9673	5.29E-05	0.99909	-0.06463
0.060113	0.19472	0.016125	0.72818	0.020476	0.65896	0.052448	0.25799	0.033684
0.093221	0.04406	0.080118	0.08372	-0.02507	0.58886	-0.03334	0.47233	-0.07655
-0.06117	0.18698	-0.1978	1.67E-05	-0.01621	0.72677	-0.03917	0.39842	-0.04848
0.040017	0.38825	-0.11404	0.01367	-0.03404	0.46299	-0.07609	0.10052	-0.10976
0.100046	0.03065	-0.00901	0.84609	0.00795	0.86395	5.21E-05	0.9991	0.136882
-0.01844	0.69095	-0.0718	0.12129	-0.01545	0.73907	-0.01707	0.71293	-0.01049
-0.12596	0.00642	-0.3578	1.50E-15	-0.00738	0.8737	0.033626	0.4685	0.022787
-0.10742	0.02024	-0.2534	2.82E-08	-0.04533	0.32829	-0.05435	0.2411	-0.12145
0.038652	0.40465	0.087674	0.05833	0.056234	0.22516	0.14609	0.00155	0.110028
0.062663	0.17642	-0.08472	0.06735	0.003648	0.93733	-0.02531	0.5854	0.009494
-0.12213	0.00824	0.053635	0.24736	0.027827	0.5486	0.068139	0.14149	0.088714
0.012936	0.78039	0.05418	0.24258	-0.0034	0.94156	-0.0186	0.6885	0.031067
0.021516	0.64282	-0.10511	0.02311	-0.00663	0.88638	0.039775	0.39113	-0.0376
-0.111	0.01641	-0.10218	0.02725	-0.0105	0.82101	-0.02989	0.51932	-0.0475
-0.00977	0.83323	-0.10468	0.02368	0.043252	0.35102	0.096191	0.03771	0.098536
-0.05519	0.23387	-0.12924	0.00516	0.04953	0.28545	0.024774	0.59334	0.111602
0.041346	0.37267	0.017497	0.70608	0.016426	0.7233	0.027919	0.54728	-0.00161
-0.06664	0.1505	-0.06706	0.14791	0.038171	0.41053	-0.00615	0.89455	0.117274
-0.03099	0.50405	-0.11014	0.01727	0.000955	0.98359	0.022252	0.63148	0.041524
-0.05194	0.26264	-0.22904	5.64E-07	0.003096	0.9468	0.038364	0.40816	-0.01335
-0.05923	0.20138	-0.13612	0.00321	-0.00758	0.87019	-0.00613	0.89486	-0.07164
0.024941	0.59085	-0.08521	0.0658	0.016494	0.72221	0.025459	0.58316	0.03237
-0.18964	3.71E-05	-0.16044	0.0005	-0.04085	0.37849	-0.03356	0.46939	-0.12223
0.030886	0.50552	0.008698	0.8513	0.024688	0.59461	0.068509	0.13934	0.10601
0.065996	0.15447	-0.00388	0.93335	-0.02133	0.64568	-0.14581	0.00158	-0.02823
-0.07018	0.12991	-0.20032	1.29E-05	-0.02778	0.54935	-0.06171	0.18308	-0.09711
0.070965	0.12567	0.136746	0.00307	0.040678	0.38045	0.109563	0.01786	0.107044
0.006914	0.88153	-0.07328	0.11377	-0.03026	0.51413	-0.03151	0.49702	-0.01842
0.058271	0.20878	-0.03403	0.46318	0.025156	0.58764	0.000563	0.99033	0.071954
0.134735	0.00353	-0.14125	0.00222	-0.01702	0.71366	-0.0586	0.20619	-0.12697
0.058222	0.20916	-0.05473	0.23782	-0.00873	0.85067	-0.02458	0.59623	0.010684
0.090034	0.05185	-0.09771	0.03479	0.02971	0.52187	0.008637	0.85233	0.041296
0.030361	0.51278	-0.07827	0.09114	0.015542	0.73764	0.012956	0.78006	0.029223
-0.14393	0.00182	-0.14308	0.00194	-0.02128	0.64639	-0.03416	0.4614	-0.0917
-0.09588	0.03835	-0.26102	1.03E-08	-0.01883	0.68484	-0.0576	0.21405	-0.05236
0.114133	0.01359	0.219001	1.77E-06	0.007834	0.86592	0.047978	0.30084	0.086826
-0.04529	0.32875	-0.04896	0.29103	-0.02535	0.58473	0.020007	0.66629	0.01886
-0.09949	0.03159	-0.19604	1.99E-05	0.019706	0.67101	0.050692	0.27429	-0.05642
0.1052	0.02299	-0.06952	0.13357	0.019502	0.67423	0.025696	0.57965	-0.04085
-0.14537	0.00163	-0.32235	9.41E-13	-0.01084	0.81528	-0.01224	0.792	-0.15338
0.0511	0.27045	-0.00761	0.86971	0.016544	0.72141	0.073573	0.11233	0.026854

0.116801	0.01154	0.116141	0.01202	0.017992	0.69816	0.029427	0.52585	0.120675
0.072256	0.11892	-0.09825	0.03379	0.021242	0.64705	0.040183	0.38628	0.064468
-0.0605	0.19183	-0.27142	2.49E-09	-0.02273	0.62419	-0.05675	0.22096	-0.0213
-0.03299	0.47697	-0.04271	0.35714	-0.01175	0.80002	-0.01093	0.81381	0.019811
0.00756	0.87056	-0.11074	0.01666	-0.01941	0.67564	0.001033	0.98224	0.074691
0.229892	5.11E-07	0.280363	6.98E-10	-0.04465	0.33561	0.042265	0.36213	0.034321
0.100653	0.02964	0.062695	0.1762	0.0006	0.98968	0.010628	0.81883	0.02987
-0.12102	0.00885	-0.1772	0.00012	-0.02409	0.60359	-0.05234	0.25896	-0.01585
-0.02846	0.53954	0.013316	0.77411	0.003708	0.93631	0.032284	0.48645	0.022071
0.060012	0.19548	0.019303	0.67736	0.012713	0.78407	0.096386	0.03733	0.003385
0.187313	4.64E-05	0.088672	0.05551	0.013684	0.76805	0.044404	0.33832	0.151569
0.205061	7.93E-06	0.160872	0.00048	0.01835	0.69246	0.004688	0.91951	0.06375
0.103062	0.02594	-0.09769	0.03482	0.039726	0.39171	0.063837	0.16844	0.048354
0.343755	2.12E-14	-0.03916	0.39849	-0.00422	0.92759	-0.04374	0.3456	-0.07116
0.161113	0.00047	0.056422	0.22361	0.010896	0.81433	0.044715	0.33495	0.044184
0.166537	0.0003	-0.1794	9.70E-05	0.060031	0.19533	-0.07424	0.1091	-0.01668
-0.10758	0.02006	0.022928	0.62115	-0.03983	0.39042	0.023083	0.61879	0.046736
-0.1212	0.00875	-0.19976	1.37E-05	-0.01101	0.81235	-0.00441	0.9243	-0.04614
0.133207	0.00393	0.194347	2.35E-05	0.017593	0.70455	0.027866	0.54805	0.046335
0.163358	0.00039	0.137086	0.00299	0.06832	0.14043	0.178806	0.0001	0.118535
-0.05591	0.22785	-0.16005	0.00052	-0.01066	0.8183	-0.00435	0.92529	-0.08567
0.062877	0.17494	0.03565	0.44215	-0.00402	0.93088	0.001543	0.97346	-0.02655
-0.01981	0.66941	-0.09566	0.0388	-0.01066	0.81831	-0.00955	0.83697	0.042768
-0.01311	0.77751	-0.0635	0.17068	0.020088	0.66503	0.04852	0.29541	0.042773
-0.08809	0.05714	-0.21625	2.40E-06	0.024436	0.59839	0.050152	0.27945	0.025007
-0.09755	0.03508	-0.04186	0.3667	0.014903	0.74805	0.057191	0.21735	-0.0166
-0.02931	0.52743	-0.14916	0.00123	0.009068	0.84505	0.05249	0.25761	0.005807
-0.14119	0.00223	-0.1923	2.87E-05	-0.02773	0.54993	-0.00759	0.87008	0.009361
-0.21818	1.94E-06	-0.22775	6.56E-07	0.005201	0.91075	0.029655	0.52265	0.001075
-0.03323	0.47376	-0.15168	0.00101	-0.02009	0.66502	0.021216	0.64746	0.049931
0.14732	0.00141	0.087277	0.05948	0.022246	0.63158	0.067214	0.14699	0.045343
0.036876	0.4266	0.037175	0.42286	0.050705	0.27417	0.104792	0.02353	0.10582
-0.03273	0.48048	0.044733	0.33476	0.052908	0.25383	0.098904	0.03261	0.134262
0.060959	0.1885	0.081688	0.07782	0.005797	0.90058	-0.02484	0.59235	-0.05343
0.311455	5.80E-12	0.137175	0.00297	-0.0021	0.96388	-0.01964	0.6721	0.003221
-0.05808	0.2103	-0.12707	0.00596	0.016279	0.72568	0.035616	0.44257	0.031937
-0.0186	0.68852	0.035756	0.44078	0.021048	0.65005	0.079969	0.0843	0.017991
-0.08289	0.07351	-0.09179	0.04742	0.024119	0.60314	0.052315	0.2592	0.013724
-0.0781	0.09183	-0.11458	0.01322	0.016843	0.71657	0.04862	0.29442	0.087686
-0.09518	0.03979	-0.14661	0.00149	0.003892	0.93316	0.020663	0.65605	0.001074
-0.09142	0.04832	-0.20757	6.10E-06	0.034833	0.45268	0.06589	0.15514	0.062757
0.091774	0.04747	-0.07409	0.1098	0.015451	0.73912	0.055528	0.23104	0.061727
-0.01256	0.78663	0.091893	0.04718	0.016769	0.71778	0.028178	0.54357	0.105046
0.194633	2.28E-05	0.173604	0.00016	-0.00555	0.90485	-0.01474	0.75079	0.075761
0.022197	0.63233	-0.16388	0.00038	-0.01429	0.75814	-0.02025	0.6625	-0.03932



-0.08455	0.06793	-0.26566	5.52E-09	-0.00573	0.90167	-0.01522	0.74291	-0.0628
0.020371	0.66059	-0.05862	0.20608	0.011352	0.80672	0.009617	0.8358	-0.00285
0.029809	0.52049	-0.12453	0.00705	-0.0148	0.74979	-0.04172	0.36838	-0.06607
-0.00962	0.83573	-0.059	0.20317	0.0201	0.66484	0.00845	0.85549	0.064797
0.100819	0.02937	0.13707	0.003	0.012219	0.79227	0.057774	0.21269	0.068232
-0.12891	0.00527	-0.24849	5.30E-08	0.027781	0.54927	0.068383	0.14007	-0.00693
-0.16797	0.00027	-0.22633	7.73E-07	-0.02295	0.62086	-0.01105	0.81169	-0.08247
0.099533	0.03152	0.136078	0.00321	0.014868	0.74862	0.043956	0.34323	0.043032
0.170196	0.00022	0.124457	0.00709	0.003332	0.94276	0.061803	0.18244	0.015531
0.051855	0.26342	0.119393	0.00981	0.006172	0.89418	0.074567	0.10755	-0.02142
-0.10821	0.01933	-0.24902	4.95E-08	0.002123	0.96351	0.018622	0.68814	-0.08381
0.06026	0.19363	-0.05309	0.25223	-0.00013	0.9978	-0.02396	0.60554	0.053138
0.02293	0.62113	-0.15234	0.00096	-0.00701	0.87987	-0.02364	0.61031	0.010099
0.156229	0.0007	0.133525	0.00384	0.010499	0.82098	0.003429	0.94109	0.130352
-0.05789	0.2118	-0.16102	0.00048	-0.0337	0.46752	-0.05242	0.25825	-0.07839
0.109763	0.01765	-0.02011	0.66471	-0.00393	0.93245	0.038542	0.40599	0.101194
0.020357	0.66082	0.111564	0.01587	0.026804	0.5634	0.053978	0.24435	0.032616
-0.05794	0.2114	-0.10862	0.01888	-0.00568	0.90261	-0.00627	0.89258	-0.01804
-0.08041	0.0826	-0.05483	0.237	-0.00154	0.97344	0.014604	0.75294	0.049322
-0.01795	0.69877	-0.16198	0.00044	0.004101	0.92956	-0.01609	0.72878	-0.00026
-0.02317	0.61754	-0.09905	0.03235	-0.00698	0.88035	-0.00171	0.97058	-0.00527
0.084389	0.06845	-0.00409	0.92977	-0.0572	0.21729	-0.07993	0.08445	0.00588
0.097675	0.03484	0.310581	6.69E-12	0.044253	0.33997	0.130754	0.00465	0.033609
-0.14098	0.00226	-0.11668	0.01162	-0.01864	0.68782	0.045736	0.32402	-0.02019
-0.06915	0.13568	-0.21067	4.39E-06	-0.04805	0.30015	-0.04685	0.31233	0.000418
-0.01775	0.70198	-0.14031	0.00237	-0.01186	0.79823	0.007892	0.86494	0.007986
0.042119	0.36379	-0.05747	0.21513	0.029252	0.52832	0.053093	0.25218	0.04634
-0.06033	0.19313	-0.11461	0.0132	-0.00885	0.84877	0.01992	0.66766	-0.02528
-0.03414	0.46169	-0.12331	0.00764	0.01698	0.71438	0.081581	0.07821	-0.03091
-0.01928	0.67766	0.014325	0.7575	-0.02087	0.65279	0.0033	0.9433	-0.06997
-0.10485	0.02345	-0.31763	2.09E-12	-0.0152	0.74328	-0.04284	0.35564	-0.05589
0.083256	0.07226	-0.08663	0.0614	-0.04118	0.37455	-0.03659	0.43024	-0.04773
-0.14794	0.00135	-0.17961	9.51E-05	-0.01511	0.74474	0.061223	0.18659	-0.13138
0.019687	0.67131	-0.05185	0.26349	0.017718	0.70254	0.021392	0.64472	0.109275
-0.05919	0.20168	-0.03663	0.42968	-0.00755	0.8707	0.015072	0.74529	-0.00837
-0.13561	0.00332	-0.05521	0.23372	0.059447	0.19972	0.121317	0.00868	0.113414
-0.08429	0.06879	-0.03576	0.44071	0.054092	0.24335	0.140199	0.00239	0.106206
0.32661	4.53E-13	0.203915	8.93E-06	0.022629	0.62571	0.032266	0.48668	0.080306
0.269148	3.42E-09	0.068917	0.13699	6.52E-06	0.99989	-0.00738	0.8737	0.010649
-0.03441	0.45813	-0.17146	0.0002	0.006838	0.88283	0.028703	0.53609	0.04161
-0.15098	0.00107	-0.05044	0.27667	-0.01218	0.79299	0.014782	0.75002	-0.01454
-0.01694	0.71503	0.037398	0.42008	0.044322	0.33922	0.134011	0.00372	0.057924
-0.01432	0.7576	-0.15843	0.00059	0.052617	0.25646	0.117868	0.0108	0.042519
-0.03658	0.43033	-0.01214	0.79365	0.020579	0.65735	0.100816	0.02938	0.038489
-0.01103	0.81211	-0.20727	6.30E-06	-0.0063	0.89204	-0.02951	0.52468	-0.04663

-0.0764	0.09916	-0.31951	1.52E-12	-0.00815	0.86053	0.034013	0.46339	-0.07071
0.121882	0.00837	-0.08407	0.06949	0.015221	0.74286	-0.01502	0.74613	0.025285
-0.02978	0.52087	-0.29251	1.15E-10	-0.01379	0.76625	-0.05004	0.28051	-0.06232
-0.15896	0.00057	-0.24875	5.12E-08	0.000162	0.99722	-0.01264	0.78534	-0.00534
-0.03072	0.50783	-0.23667	2.28E-07	0.021568	0.642	0.010826	0.81551	0.045893
-0.19277	2.74E-05	-0.07654	0.09855	0.027599	0.55189	0.126374	0.00625	0.040032
-0.09153	0.04807	-0.19473	2.26E-05	0.027879	0.54786	0.086373	0.06218	0.063045
0.04008	0.3875	-0.11327	0.01432	0.015899	0.73184	0.037819	0.41486	0.087455
0.090624	0.05033	-0.04184	0.36699	0.022177	0.63263	0.033019	0.47658	0.06295
-0.04554	0.32613	0.0193	0.67741	-0.00423	0.92742	0.036778	0.42782	0.051394
0.099672	0.03128	0.014164	0.76016	0.061809	0.1824	0.082443	0.0751	0.079445
0.052312	0.25923	0.26633	5.04E-09	0.230092	4.99E-07	0.57993	2.56E-43	0.136856
-0.06929	0.13489	0.106255	0.02165	0.195647	2.06E-05	0.625444	4.61E-52	0.323759
0.122619	0.00798	0.03197	0.4907	0.227998	6.37E-07	0.500353	5.89E-31	0.424879
-0.04101	0.37661	0.008601	0.85293	0.269002	3.49E-09	0.364572	3.98E-16	0.056999
-0.12856	0.0054	0.135841	0.00327	0.243264	1.02E-07	0.68205	3.46E-65	0.532932
-0.0893	0.0538	0.070555	0.12788	0.310173	7.15E-12	0.59822	1.15E-46	0.397507
-0.05727	0.21673	0.295526	7.25E-11	0.22673	7.38E-07	0.483651	9.43E-29	0.385506
-0.076	0.10094	-0.02769	0.55054	0.313744	3.98E-12	0.507471	6.21E-32	0.407183
-0.09131	0.04861	-0.06358	0.17018	0.177648	0.00011	0.661879	3.51E-60	0.30777
-0.05247	0.25778	0.019119	0.68027	0.370776	1.15E-16	0.651021	1.21E-57	0.216927
-0.08396	0.06986	-0.00113	0.98061	0.302338	2.51E-11	0.667425	1.61E-61	0.236909
-0.08218	0.07604	-0.01181	0.799	0.182682	7.17E-05	0.505585	1.13E-31	0.178926
-0.11312	0.01446	0.076508	0.09867	0.345756	1.47E-14	0.779791	1.25E-96	0.247908
-0.05842	0.20761	0.09332	0.04383	0.496284	2.08E-30	0.708721	1.84E-72	0.559022
-0.08483	0.06703	0.036399	0.4326	0.385733	5.13E-18	0.546498	1.02E-37	0.603321
-0.09319	0.04413	0.145837	0.00158	0.299222	4.09E-11	0.612043	2.44E-49	0.521543
-0.06382	0.16856	-0.00019	0.9968	0.179214	9.86E-05	0.526031	1.36E-34	0.363922
-0.14846	0.00129	0.014599	0.75302	0.219598	1.66E-06	0.586264	1.88E-44	0.113242
0.060549	0.1915	0.184606	5.99E-05	0.05089	0.27242	0.459908	8.06E-26	0.06055
0.013908	0.76436	0.313252	4.32E-12	0.203195	9.62E-06	0.606492	3.00E-48	0.223756
-0.00143	0.97549	0.163927	0.00037	0.20195	1.09E-05	0.587798	9.88E-45	0.227854
0.038188	0.41031	0.085551	0.06472	0.2175	2.09E-06	0.561248	4.12E-40	0.148984
-0.15231	0.00096	-0.14606	0.00155	0.152504	0.00095	0.532784	1.34E-35	0.230477
-0.17376	0.00016	-0.11207	0.01539	0.140745	0.0023	0.432875	9.47E-23	-0.10745
-0.1207	0.00903	-0.0411	0.37556	0.364697	3.88E-16	0.625635	4.21E-52	0.124716
-0.10858	0.01892	0.122485	0.00805	0.436215	4.09E-23	0.916568	#####	0.449253
-0.05267	0.25598	-0.01443	0.75573	0.222259	1.23E-06	0.532301	1.58E-35	0.105005
-0.02697	0.561	0.018631	0.68799	0.294113	9.01E-11	0.563638	1.64E-40	0.241957
0.006793	0.88361	0.01394	0.76382	0.193706	2.50E-05	0.405228	6.97E-20	0.032085
-0.0889	0.05489	-0.02087	0.65289	0.20153	1.14E-05	0.530921	2.55E-35	0.106663
-0.15889	0.00057	0.096464	0.03717	0.259558	1.26E-08	0.803079	#####	0.241697
-0.08367	0.07085	-0.12516	0.00677	0.135151	0.00343	0.466584	1.27E-26	0.040706
-0.10551	0.02259	-0.01818	0.69521	0.154231	0.00083	0.497759	1.32E-30	0.233368
-0.10083	0.02936	0.07226	0.1189	0.311551	5.71E-12	0.662296	2.79E-60	0.498355

-0.10621	0.0217	0.006299	0.89202	0.261578	9.59E-09	0.507416	6.32E-32	0.558926
-0.03137	0.49894	0.023552	0.61168	0.247012	6.38E-08	0.590333	3.40E-45	0.41453
-0.11533	0.01264	0.148173	0.00132	0.287292	2.52E-10	0.804907	#####	0.326035
-0.11281	0.01472	0.115475	0.01252	0.271424	2.49E-09	0.75149	5.03E-86	0.261552
-0.09058	0.05044	0.091113	0.04909	0.27823	9.49E-10	0.676312	1.01E-63	0.228626
-0.05119	0.26956	-0.04064	0.38088	0.115511	0.01249	0.319433	1.54E-12	0.324343
-0.04422	0.34033	0.006843	0.88275	0.430054	1.91E-22	0.591282	2.27E-45	0.247004
-0.12271	0.00794	0.019055	0.68129	0.245768	7.47E-08	0.727351	4.72E-78	0.146609
-0.06583	0.15554	-0.01816	0.69555	0.262505	8.47E-09	0.516399	3.43E-33	0.211324
-0.18017	9.03E-05	0.005048	0.91336	0.542782	3.90E-37	0.646336	1.39E-56	0.45899
-0.06157	0.18412	-0.04227	0.36207	0.116485	0.01177	0.391971	1.34E-18	0.020633
-0.03228	0.4865	-0.08033	0.08288	0.021109	0.64911	0.180177	9.03E-05	-0.00624
-0.09021	0.05139	-0.01241	0.78907	0.230372	4.83E-07	0.571051	9.08E-42	0.112965
-0.06939	0.13431	-0.00091	0.98441	0.31443	3.56E-12	0.59543	3.86E-46	0.109233
-0.10934	0.0181	0.008529	0.85415	0.215249	2.68E-06	0.718632	2.22E-75	0.200677
-0.05343	0.24917	-0.06051	0.19175	0.176633	0.00012	0.489512	1.64E-29	0.030506
-0.27383	1.78E-09	-0.05679	0.2206	0.220283	1.53E-06	0.691484	1.14E-67	0.258896
-0.09523	0.03967	-0.09152	0.04808	0.176609	0.00012	0.390285	1.93E-18	0.334422
-0.0803	0.083	0.193578	2.53E-05	0.367237	2.34E-16	0.642673	9.16E-56	0.71409
-0.24464	8.60E-08	-0.22818	6.24E-07	0.185384	5.57E-05	0.526494	1.17E-34	0.019825
-0.1324	0.00415	0.060169	0.1943	0.31976	1.46E-12	0.867497	#####	0.369953
-0.10034	0.03015	-0.02058	0.65733	0.234876	2.83E-07	0.514664	6.06E-33	0.148349
-0.11945	0.00978	-0.00832	0.85775	0.187095	4.74E-05	0.56196	3.14E-40	0.050079
-0.19963	1.38E-05	-0.07819	0.09148	0.31648	2.53E-12	0.761043	1.93E-89	0.394939
0.234302	3.04E-07	0.158036	0.00061	0.264274	6.67E-09	0.482016	1.53E-28	0.119402
-0.1074	0.02026	0.002218	0.96187	0.228196	6.23E-07	0.562349	2.70E-40	0.130062
-0.14593	0.00157	0.054345	0.24115	0.526097	1.33E-34	0.796393	#####	0.588703
-0.17847	0.00011	0.057767	0.21275	0.170602	0.00021	0.535838	4.60E-36	0.209112
-0.18073	8.58E-05	-0.0842	0.06907	0.282046	5.46E-10	0.730578	4.55E-79	0.199847
0.160564	0.0005	0.181538	7.97E-05	0.305052	1.63E-11	0.617792	1.72E-50	0.123689
-0.09861	0.03314	0.131868	0.00431	0.34997	6.68E-15	0.8421	#####	0.518596
-0.09114	0.04903	0.009115	0.84426	0.233533	3.33E-07	0.538296	1.93E-36	0.137018
-0.05537	0.23237	-0.02233	0.63025	0.093044	0.04447	0.340082	4.16E-14	-0.12811
-0.23597	2.49E-07	0.040641	0.38088	0.374628	5.24E-17	0.670574	2.72E-62	0.577204
-0.1753	0.00014	0.057348	0.21609	0.246111	7.15E-08	0.654654	1.76E-58	0.159705
-0.11632	0.01188	-0.01056	0.81997	0.170609	0.00021	0.447068	2.50E-24	0.013731
-0.12767	0.00573	0.030421	0.51196	0.165885	0.00032	0.577288	7.49E-43	0.10802
-0.19705	1.79E-05	-0.06471	0.16265	0.152921	0.00092	0.562765	2.30E-40	0.058549
-0.10254	0.0267	0.182215	7.48E-05	0.129336	0.00512	0.514839	5.72E-33	0.013
-0.14629	0.00153	0.038113	0.41124	0.386187	4.66E-18	0.838873	#####	0.38108
-0.12163	0.00851	-0.04494	0.33249	0.408015	3.68E-20	0.784375	1.69E-98	0.306268
-0.01259	0.78604	0.095865	0.03837	0.275587	1.38E-09	0.452121	6.59E-25	0.301601
-0.03626	0.43437	0.128612	0.00538	0.521394	6.52E-34	0.731967	1.65E-79	0.399949
-0.05165	0.26534	0.021604	0.64146	0.237095	2.17E-07	0.61493	6.48E-50	0.227769
-0.05995	0.19591	-0.00974	0.83377	0.252986	2.98E-08	0.552049	1.32E-38	0.16583

0.026712	0.56475	0.381607	1.23E-17	0.167066	0.00029	0.522607	4.34E-34	0.243021
-0.07811	0.09178	0.002989	0.94863	0.143042	0.00194	0.536227	4.01E-36	0.120979
-0.10338	0.02547	0.138404	0.00272	0.229984	5.06E-07	0.501878	3.65E-31	0.340683
0.068088	0.14179	0.257788	1.59E-08	0.318559	1.79E-12	0.676493	9.08E-64	0.292434
-0.11406	0.01366	0.179217	9.86E-05	0.410726	1.97E-20	0.742956	4.19E-83	0.549222
-0.07682	0.0973	0.150751	0.00108	0.460417	7.01E-26	0.827511	#####	0.488144
-0.10498	0.02328	0.113899	0.01379	0.357498	1.59E-15	0.755525	1.90E-87	0.422482
-0.13945	0.00253	0.098216	0.03385	0.250472	4.11E-08	0.783321	4.59E-98	0.272431
-0.14039	0.00236	0.121955	0.00833	0.252536	3.15E-08	0.824743	#####	0.300784
-0.13815	0.00277	0.062554	0.17717	0.273419	1.88E-09	0.785075	8.70E-99	0.283183
-0.11869	0.01026	-0.02221	0.63216	0.218774	1.81E-06	0.632114	1.81E-53	0.194424
-0.1568	0.00067	0.121067	0.00882	0.290863	1.48E-10	0.868797	#####	0.356631
-0.14323	0.00192	0.052477	0.25773	0.349514	7.28E-15	0.882124	#####	0.350305
-0.14769	0.00137	0.007009	0.87992	0.295815	6.94E-11	0.705363	1.68E-71	0.336835
-0.11333	0.01427	-0.01116	0.80988	0.369471	1.49E-16	0.787797	#####	0.399565
-0.11454	0.01326	0.097112	0.03591	0.253138	2.92E-08	0.79868	#####	0.278084
0.087176	0.05978	0.331446	1.95E-13	0.236926	2.22E-07	0.529799	3.76E-35	0.359248
0.025066	0.58898	0.040382	0.38392	0.265375	5.74E-09	0.499598	7.45E-31	0.430183
-0.09564	0.03882	0.066413	0.15188	0.286276	2.93E-10	0.679228	1.83E-64	0.422355
-0.07446	0.10807	0.100385	0.03008	0.394456	7.76E-19	0.673477	5.19E-63	0.539315
-0.09798	0.03428	0.126714	0.00611	0.313574	4.09E-12	0.774157	2.13E-94	0.366821
-0.03083	0.50625	0.202942	9.87E-06	0.206718	6.67E-06	0.599429	6.82E-47	0.396312
0.062516	0.17744	-0.16131	0.00047	0.166854	0.00029	0.512996	1.04E-32	0.003925
0.047521	0.30548	0.15746	0.00064	0.370786	1.15E-16	0.703242	6.69E-71	0.577122
0.208151	5.74E-06	0.313599	4.08E-12	0.173728	0.00016	0.529079	4.81E-35	0.458589
0.166915	0.00029	0.29598	6.76E-11	0.194152	2.39E-05	0.537375	2.68E-36	0.289538
0.17131	0.0002	0.158282	0.0006	-0.02471	0.59431	-0.03902	0.4002	-0.02368
0.063962	0.16761	0.029772	0.521	0.033908	0.46478	0.029963	0.51833	0.075261
0.042338	0.3613	0.087074	0.06008	0.002329	0.95997	0.041813	0.36729	-0.06583
0.139201	0.00257	0.357192	1.69E-15	0.069935	0.13127	0.193261	2.61E-05	0.254387
0.156691	0.00068	0.37773	2.76E-17	-0.04248	0.35965	0.015462	0.73894	0.038562
0.207362	6.23E-06	0.133433	0.00387	-0.03258	0.48244	-0.10799	0.01958	0.032333
0.1364	0.00314	0.213032	3.41E-06	0.054367	0.24096	0.069186	0.13546	0.173851
-0.13698	0.00302	-0.14428	0.00177	-0.00313	0.94619	0.014126	0.76078	0.028933
0.176074	0.00013	0.131803	0.00433	0.011189	0.80944	-0.02104	0.65023	0.049413
0.023463	0.61304	0.016959	0.71471	0.013085	0.77793	0.04464	0.33577	0.047598
0.019251	0.67818	0.055449	0.23171	0.007243	0.87595	0.045396	0.32763	0.084977
0.019013	0.68194	-0.02503	0.58948	-0.00521	0.91053	-0.02067	0.65593	0.007279
0.104498	0.02392	0.174911	0.00015	0.008983	0.84648	0.032022	0.48999	0.016652
-0.00366	0.93713	0.134719	0.00354	0.003497	0.93992	-0.01661	0.72039	0.096193
0.172429	0.00018	0.187618	4.51E-05	-0.01363	0.76895	-0.02301	0.61994	0.031072
-0.06584	0.15545	-0.14299	0.00195	0.003954	0.93209	0.009454	0.83854	0.095442
0.28981	1.73E-10	0.32967	2.66E-13	0.019577	0.67304	0.081554	0.0783	0.146365
0.15884	0.00057	0.114689	0.01314	0.005793	0.90064	-0.05587	0.22814	-0.02598
-0.05345	0.24904	0.012221	0.79225	0.037732	0.41594	0.15922	0.00055	0.062586

-0.0044	0.92439	0.071658	0.12201	0.011634	0.80202	0.03709	0.42391	0.059127
0.10742	0.02024	-0.021	0.65076	0.027015	0.56034	0.01201	0.79576	0.188804
0.203495	9.33E-06	0.081441	0.07872	0.005272	0.90954	0.001538	0.97356	0.036288
0.21196	3.82E-06	0.117495	0.01105	-0.03946	0.39489	-0.09381	0.04274	-0.03154
0.118678	0.01026	0.294194	8.90E-11	0.018565	0.68904	0.010215	0.82575	0.070026
0.216333	2.38E-06	0.171638	0.00019	-0.03473	0.45401	-0.08023	0.08327	-0.11094
0.2337	3.26E-07	0.00769	0.86835	-0.04852	0.29543	-0.12419	0.00721	-0.02805
0.173318	0.00017	0.146316	0.00152	-0.02424	0.60132	-0.04113	0.37516	0.035763
0.21082	4.32E-06	0.318253	1.88E-12	0.001075	0.98152	0.022386	0.62944	-0.03515
0.040859	0.37833	0.06507	0.16035	0.004311	0.92597	0.043133	0.35235	0.0826
-0.01355	0.7702	-0.09676	0.03658	4.57E-05	0.99921	-0.01347	0.7715	-0.00667
0.11926	0.00989	0.221172	1.39E-06	0.083349	0.07194	0.113459	0.01416	0.355474
-0.08747	0.05893	0.010572	0.81976	0.00041	0.99295	0.000124	0.99786	0.044764
0.132104	0.00424	0.2007	1.24E-05	0.009393	0.83957	0.047631	0.30435	0.07099
-0.06928	0.1349	-0.04371	0.34594	0.001137	0.98045	0.044125	0.34138	0.035642
0.168339	0.00026	0.111491	0.01593	0.032313	0.48606	0.063442	0.17109	0.078716
0.344102	1.99E-14	0.146951	0.00145	-0.04217	0.36324	-0.09053	0.05058	-0.07619
0.175945	0.00013	0.308646	9.15E-12	0.062613	0.17677	0.165532	0.00033	0.11256
0.11011	0.0173	0.00417	0.92839	-0.00893	0.84738	-0.02771	0.55023	-0.01832
-0.04779	0.30271	-0.05648	0.22309	-0.03216	0.48809	-0.06084	0.18933	0.058583
0.034556	0.45628	0.099808	0.03105	0.040009	0.38834	0.107304	0.02038	0.104259
0.278472	9.17E-10	0.479163	3.52E-28	-0.01076	0.81653	-0.0564	0.22375	0.061699
0.254973	2.30E-08	0.290209	1.63E-10	0.02908	0.53075	0.094415	0.04141	0.195432
0.321536	1.08E-12	0.198555	1.54E-05	-0.02506	0.58911	-0.09082	0.04983	-0.10768
0.061186	0.18686	-0.08321	0.07241	0.004082	0.92989	-0.0298	0.52063	0.016572
0.140738	0.0023	0.263533	7.37E-09	0.011782	0.79954	0.051456	0.26712	0.163928
0.304753	1.71E-11	0.171799	0.00019	0.010775	0.81636	-0.02479	0.59313	0.049597
0.284343	3.90E-10	0.116698	0.01161	0.027596	0.55194	-0.06377	0.16887	0.058656
0.224808	9.20E-07	0.246954	6.43E-08	0.004075	0.93002	-0.01012	0.82731	0.050995
0.03019	0.51517	0.172905	0.00017	0.139843	0.00246	0.283123	4.67E-10	0.419876
0.142184	0.00207	0.194379	2.34E-05	-0.01388	0.76488	-0.03365	0.46822	0.031489
0.169653	0.00023	0.194212	2.38E-05	0.041621	0.3695	0.107085	0.02064	0.148228
0.303701	2.02E-11	0.227891	6.45E-07	0.03731	0.42117	0.068872	0.13725	0.200173
0.076636	0.09811	0.204558	8.35E-06	0.009888	0.83123	0.076081	0.10057	0.190254
0.143734	0.00185	0.267027	4.58E-09	0.027934	0.54707	0.03896	0.40091	0.137485
0.094354	0.04154	0.146665	0.00148	-0.03343	0.47107	-0.01024	0.82524	-0.03464
0.163159	0.0004	0.264394	6.56E-09	0.046475	0.31626	0.048226	0.29835	0.239603
0.196619	1.87E-05	0.122305	0.00815	0.021176	0.64808	-0.08995	0.05206	0.084963
0.076878	0.09705	0.249077	4.91E-08	0.000198	0.9966	0.044902	0.33293	0.13445
0.047369	0.30702	0.371132	1.07E-16	0.064584	0.1635	0.153382	0.00088	0.243996
0.206009	7.18E-06	0.208582	5.48E-06	0.025854	0.57732	0.056947	0.21932	0.045751
-0.01521	0.74303	0.053665	0.24709	0.112171	0.0153	0.248478	5.30E-08	0.22895
0.110325	0.01708	0.205888	7.27E-06	0.015805	0.73337	-0.01549	0.73842	0.124453
0.084253	0.0689	0.314701	3.40E-12	0.047653	0.30414	0.101692	0.02799	0.146914
-0.05298	0.25315	-0.12458	0.00703	-0.05344	0.24909	-0.10634	0.02154	-0.07252

0.305835	1.44E-11	0.365358	3.41E-16	-0.03084	0.5061	-0.1013	0.02861	0.025355
0.11216	0.01531	0.140363	0.00236	0.053559	0.24803	0.039605	0.39315	0.231152
0.195887	2.02E-05	0.214536	2.89E-06	-0.02486	0.59206	-0.03037	0.51263	0.074487
0.147961	0.00134	0.415768	6.05E-21	0.075269	0.10427	0.126829	0.00606	0.202017
0.256057	1.99E-08	0.313799	3.95E-12	0.045309	0.32857	0.022999	0.62008	0.054559
-0.0119	0.79759	-0.1091	0.01835	0.01174	0.80024	0.004294	0.92626	0.033561
-0.11374	0.01392	-0.07718	0.09572	0.004181	0.9282	0.041232	0.37399	0.121478
0.148948	0.00125	-0.00764	0.86921	-0.00726	0.87564	-0.10405	0.02453	0.041931
0.030172	0.51542	-0.05306	0.25244	-0.02437	0.59937	-0.02207	0.6342	-0.04566
0.039633	0.39282	0.137423	0.00292	-0.09728	0.03559	-0.1218	0.00842	-0.21698
-0.14896	0.00124	-0.2436	9.79E-08	-0.01798	0.69842	-0.0853	0.06552	-0.08482
0.090153	0.05154	0.179579	9.54E-05	0.019622	0.67234	0.024693	0.59453	0.201346
0.40369	9.89E-20	0.338806	5.24E-14	0.013285	0.77463	0.049984	0.28106	0.079707
0.199913	1.35E-05	0.138626	0.00268	0.055873	0.22815	0.178697	0.0001	0.210925
-0.0337	0.46756	0.012196	0.79266	0.004203	0.92782	-0.01809	0.69653	0.060807
0.24593	7.32E-08	0.088785	0.0552	0.012972	0.77979	-0.01053	0.82039	0.068783
0.211255	4.12E-06	0.133876	0.00375	-0.03456	0.45626	-0.10918	0.01827	0.063637
0.052989	0.2531	0.078749	0.08916	-0.00198	0.96594	-0.01202	0.79552	-0.02356
0.078681	0.08944	0.015662	0.73568	-0.03579	0.44041	-0.1753	0.00014	-0.06965
0.075214	0.10452	-0.09244	0.04587	-0.02489	0.59157	-0.05389	0.24513	-0.00132
0.166015	0.00031	0.082465	0.07502	-0.00666	0.88585	-0.07749	0.09439	0.088369
0.363117	5.31E-16	0.370243	1.28E-16	0.032081	0.48919	0.05932	0.20068	0.176219
0.272216	2.23E-09	0.1598	0.00053	0.01089	0.81444	0.006619	0.88657	0.074449
0.029638	0.52288	0.057094	0.21813	0.003603	0.9381	0.015404	0.73989	0.027559
-0.17003	0.00022	-0.17832	0.00011	0.037276	0.42159	0.061691	0.18324	0.077961
0.102831	0.02627	0.419935	2.25E-21	0.107644	0.01998	0.277721	1.02E-09	0.319678
0.24476	8.47E-08	0.41135	1.70E-20	0.012725	0.78387	0.102613	0.0266	0.128345
0.092863	0.04488	0.057192	0.21735	-0.0071	0.8784	0.015864	0.73241	0.046334
0.257029	1.76E-08	0.179844	9.31E-05	0.025068	0.58896	0.008689	0.85144	0.070712
-0.03242	0.48458	-0.1955	2.09E-05	0.037781	0.41532	0.008427	0.85587	0.196083
0.115918	0.01218	0.085278	0.06558	0.002215	0.96193	0.014558	0.7537	0.096763
0.152384	0.00095	0.062366	0.17848	-0.00086	0.98524	-0.02091	0.65224	0.152522
0.103906	0.02474	0.025979	0.57547	-0.03708	0.42409	-0.06693	0.14872	0.014026
0.059374	0.20028	0.174834	0.00015	0.000974	0.98326	0.051208	0.26943	0.060929
0.08379	0.07044	0.095613	0.03889	-0.01178	0.79957	-0.02563	0.58066	0.068829
-0.0258	0.5781	-0.05448	0.24	0.024435	0.5984	0.036445	0.43202	-0.01156
-0.09407	0.04215	-0.20917	5.15E-06	-0.0114	0.80588	0.003538	0.93922	-0.02299
0.250883	3.90E-08	0.439291	1.87E-23	0.009713	0.83418	-0.05784	0.21218	0.201925
0.027331	0.55576	0.025774	0.5785	0.029637	0.5229	0.023161	0.6176	0.090991
-0.16489	0.00035	0.015116	0.74458	0.039235	0.39759	0.163393	0.00039	0.002431
0.17913	9.93E-05	0.435538	4.85E-23	-0.01165	0.80174	-0.00989	0.83129	0.003369
0.03582	0.43996	0.110008	0.0174	0.046706	0.31385	0.024657	0.59507	0.08466
0.137531	0.0029	0.171241	0.0002	-0.00306	0.94742	-0.00438	0.92477	-0.03854
0.121104	0.0088	0.088419	0.05621	-0.01031	0.82414	-0.02226	0.63137	0.082209
0.128562	0.0054	0.08348	0.07149	0.035214	0.44774	0.044834	0.33367	0.059291

0.16562	0.00033	0.266801	4.72E-09	0.053636	0.24735	0.009533	0.83722	0.057174
0.0899	0.0522	0.126701	0.00611	0.032321	0.48595	0.06703	0.1481	0.079457
0.012945	0.78024	0.089823	0.0524	-0.03562	0.44249	-0.06359	0.17006	-0.02184
0.24826	5.45E-08	0.094032	0.04224	0.046361	0.31744	-0.02441	0.59882	0.114822
0.158546	0.00058	0.124274	0.00717	-0.00236	0.95948	0.024764	0.59348	0.014298
0.213717	3.16E-06	0.154879	0.00078	0.010321	0.82397	-0.01241	0.78905	0.129574
0.110274	0.01713	0.065893	0.15512	0.030304	0.51359	-0.00148	0.97457	0.09836
-0.03061	0.50932	-0.06685	0.14921	0.00073	0.98744	-0.00077	0.98684	0.058997
-0.00877	0.85004	0.039096	0.39926	0.009787	0.83293	0.009335	0.84054	0.06283
0.132094	0.00424	0.005106	0.91237	0.015968	0.73071	-0.07401	0.11022	-0.00096
0.179272	9.81E-05	0.488317	2.35E-29	0.087736	0.05815	0.321898	1.02E-12	0.068237
0.192585	2.79E-05	0.331743	1.85E-13	0.018251	0.69404	0.099681	0.03126	-0.04751
0.095719	0.03867	0.276655	1.19E-09	0.012484	0.78788	0.202986	9.83E-06	-0.1086
0.009454	0.83854	0.301344	2.93E-11	-0.00121	0.97912	0.1161	0.01205	-0.03106
-0.04405	0.34215	0.089793	0.05248	0.015746	0.73433	0.112947	0.0146	-0.08229
0.188106	4.30E-05	0.554729	4.86E-39	0.04627	0.31839	0.223684	1.05E-06	0.080655
-0.00185	0.96827	-0.24784	5.75E-08	-0.00935	0.84038	0.043187	0.35174	-0.30247
0.071942	0.12053	0.236494	2.33E-07	-0.04052	0.38229	0.024616	0.59569	-0.19136
0.043766	0.34532	-0.12396	0.00732	0.00392	0.93267	0.186194	5.16E-05	-0.2079
0.200322	1.29E-05	0.412451	1.32E-20	0.016814	0.71706	0.114284	0.01347	-0.05149
0.10166	0.02804	0.208101	5.77E-06	-0.00735	0.87405	0.097907	0.03441	-0.1622
0.005641	0.90323	0.12486	0.0069	-0.0088	0.84961	0.110313	0.01709	-0.14474
0.323953	7.16E-13	0.520029	1.03E-33	0.033518	0.46993	0.225576	8.42E-07	0.030631
0.189293	3.84E-05	0.289115	1.92E-10	0.025439	0.58345	0.090378	0.05096	-0.01127
0.207357	6.24E-06	0.209066	5.21E-06	-0.00698	0.88039	0.136535	0.00311	-0.27862
0.030967	0.50441	0.065969	0.15464	0.042193	0.36295	0.194493	2.31E-05	-0.05706
0.296247	6.49E-11	0.314774	3.36E-12	0.063854	0.16833	0.293772	9.49E-11	0.006709
0.032894	0.47824	0.292105	1.22E-10	0.086041	0.06319	0.304972	1.65E-11	0.066646
0.275756	1.35E-09	0.359165	1.15E-15	0.03182	0.49273	0.165426	0.00033	-0.03335
0.317249	2.23E-12	0.20048	1.27E-05	0.018528	0.68963	0.097908	0.03441	-0.06318
0.128166	0.00554	0.060277	0.1935	0.04482	0.33381	0.107589	0.02004	-0.0182
0.165995	0.00032	0.017229	0.71038	-0.01708	0.71282	0.049626	0.28453	-0.23454
0.071029	0.12533	0.155064	0.00077	0.041095	0.37558	0.234189	3.08E-07	0.045606
0.26898	3.50E-09	0.227059	7.10E-07	-0.05616	0.22578	-0.04869	0.29372	-0.18309
0.125876	0.00645	0.144318	0.00177	0.001698	0.97081	0.185541	5.49E-05	-0.13653
0.090856	0.04974	0.209649	4.89E-06	0.016609	0.72035	0.144563	0.00174	-0.08551
0.335742	9.09E-14	0.423345	9.88E-22	0.046016	0.32107	0.055805	0.22872	-0.00164
0.242188	1.17E-07	0.282538	5.09E-10	0.004587	0.92126	0.040092	0.38736	-0.03163
0.263045	7.87E-09	0.35467	2.74E-15	0.021938	0.6363	0.163143	0.0004	-0.12245
0.11834	0.01048	0.390137	1.99E-18	0.017924	0.69925	0.132138	0.00423	-0.0138
0.235578	2.61E-07	0.150146	0.00114	0.039602	0.39319	0.193444	2.57E-05	-0.0301
0.005512	0.90544	0.154135	0.00083	0.037536	0.41837	0.117995	0.01071	-0.03093
0.190673	3.36E-05	0.288942	1.97E-10	0.022251	0.6315	0.096566	0.03697	-0.09265
0.183729	6.50E-05	0.219949	1.59E-06	-0.02642	0.56901	-0.03213	0.48854	-0.1479
0.160023	0.00052	0.241117	1.33E-07	0.026687	0.5651	0.133806	0.00377	0.062919

0.197563	1.70E-05	0.309313	8.22E-12	0.070143	0.13012	0.194185	2.38E-05	0.02719
0.203323	9.49E-06	0.431384	1.37E-22	0.031816	0.49279	0.221	1.42E-06	-0.06214
0.162671	0.00042	0.008058	0.86213	-0.03039	0.51234	0.054828	0.23699	-0.2898
0.045688	0.32452	0.110211	0.01719	-0.00459	0.92111	0.153529	0.00087	-0.15134
0.129383	0.00511	0.220398	1.51E-06	-0.00019	0.99668	0.110822	0.01658	-0.11569
0.120656	0.00906	0.17924	9.84E-05	0.026714	0.56471	0.153302	0.00089	0.022955
0.125137	0.00678	0.270706	2.75E-09	0.054757	0.2376	0.222127	1.25E-06	-0.03784
0.070941	0.1258	0.130804	0.00464	0.07998	0.08425	0.313887	3.89E-12	0.011816
0.335976	8.72E-14	0.429389	2.25E-22	0.016022	0.72984	0.107602	0.02003	0.046441
0.142086	0.00208	0.192345	2.86E-05	0.051484	0.26685	0.211165	4.16E-06	-0.00248
-0.04163	0.36936	0.186468	5.03E-05	0.058306	0.2085	0.356532	1.92E-15	-0.05625
0.325652	5.35E-13	0.442487	8.24E-24	0.02711	0.55896	0.15242	0.00095	0.020727
-0.00919	0.84298	0.0822	0.07596	0.039988	0.38859	0.203956	8.89E-06	-0.07208
0.117628	0.01096	0.484727	6.86E-29	0.038103	0.41135	0.294862	8.03E-11	0.086537
0.339409	4.70E-14	0.460363	7.12E-26	-0.00367	0.93696	0.189811	3.65E-05	-0.06897
0.27816	9.59E-10	0.264906	6.12E-09	0.002358	0.95946	0.105405	0.02272	-0.1331
0.172765	0.00018	0.146767	0.00147	0.007978	0.86348	0.074926	0.10585	-0.13137
-0.00469	0.91956	0.162926	0.00041	0.074673	0.10705	0.238996	1.72E-07	0.047754
0.360148	9.50E-16	0.545999	1.22E-37	0.019634	0.67215	0.089006	0.05459	0.018349
0.15777	0.00062	0.48462	7.08E-29	0.092462	0.04582	0.152809	0.00092	0.336658
0.303073	2.23E-11	0.543611	2.89E-37	0.050799	0.27328	0.062598	0.17687	0.239325
0.37642	3.62E-17	0.535014	6.14E-36	0.038373	0.40805	0.10446	0.02397	0.062368
0.451845	7.09E-25	0.499988	6.60E-31	0.038537	0.40605	0.155936	0.00072	0.059925
-0.08621	0.06268	-0.34334	2.29E-14	0.017753	0.70199	0.122104	0.00825	-0.16335
-0.0636	0.17	-0.06858	0.13894	0.060899	0.18894	0.29371	9.58E-11	-0.11273
0.199277	1.43E-05	0.354474	2.84E-15	0.016347	0.72459	0.131835	0.00432	0.018062
0.142165	0.00207	0.070789	0.12662	-0.03472	0.4542	0.025568	0.58154	-0.24671
0.125128	0.00678	0.138469	0.00271	0.074247	0.10907	0.265199	5.88E-09	0.020896
-0.02155	0.64229	0.189806	3.65E-05	0.04951	0.28565	0.259638	1.24E-08	0.046531
-0.08155	0.07834	-0.0877	0.05826	0.05496	0.23586	0.324591	6.42E-13	-0.08264
0.00949	0.83794	0.157093	0.00066	0.059246	0.20125	0.283852	4.20E-10	0.021188
0.014503	0.7546	-0.02045	0.65939	0.135067	0.00345	0.508367	4.66E-32	0.177335
0.155178	0.00077	0.324052	7.04E-13	-0.06663	0.15055	-0.02942	0.52595	-0.06219
0.098662	0.03304	0.391545	1.47E-18	0.06995	0.13119	0.251542	3.59E-08	0.056684
0.026783	0.56371	-0.07462	0.10728	0.025988	0.57534	0.169968	0.00022	-0.19677
0.221146	1.39E-06	0.306484	1.30E-11	0.074353	0.10856	0.3038	1.99E-11	0.129486
0.191446	3.12E-05	0.277483	1.06E-09	0.042244	0.36237	0.243317	1.01E-07	-0.02466
0.146921	0.00145	0.25166	3.53E-08	0.015609	0.73655	0.12872	0.00534	-0.0597
0.24922	4.83E-08	0.341519	3.20E-14	0.024508	0.59731	0.07672	0.09774	-0.10456
-0.08243	0.07515	0.058012	0.21081	0.037773	0.41542	0.182174	7.51E-05	0.034161
0.153177	0.0009	0.182814	7.08E-05	-0.02869	0.53625	-0.11076	0.01664	-0.17956
0.076387	0.09921	-0.0543	0.24155	-0.00279	0.95199	0.039722	0.39175	-0.13278
0.081569	0.07825	0.168682	0.00025	0.039818	0.39061	0.168629	0.00025	0.014397
0.044889	0.33307	0.383731	7.85E-18	0.039405	0.39555	0.188647	4.08E-05	0.064411
0.373884	6.10E-17	0.479265	3.42E-28	0.054879	0.23655	0.146213	0.00153	0.095896



0.340078	4.16E-14	0.448037	1.94E-24	-0.02298	0.62039	0.040466	0.38294	-0.04685
0.141252	0.00222	-0.00584	0.89986	0.015135	0.74427	0.154726	0.00079	-0.17259
0.383516	8.22E-18	0.337878	6.20E-14	0.086964	0.0604	0.305874	1.43E-11	0.139546
0.152608	0.00094	0.22656	7.52E-07	0.020308	0.66158	0.139342	0.00255	-0.05648
0.102905	0.02617	-0.07805	0.09205	-0.02819	0.54339	0.048527	0.29533	-0.23857
0.082266	0.07573	0.010943	0.81355	0.00667	0.8857	0.162367	0.00043	-0.20765
0.256775	1.82E-08	0.222045	1.26E-06	0.076928	0.09683	0.242179	1.17E-07	0.080838
0.316347	2.59E-12	0.536966	3.09E-36	-0.0215	0.64306	0.073833	0.11106	0.00307
0.024046	0.60423	0.142523	0.00202	0.029192	0.52916	0.178809	0.0001	-0.1106
0.278917	8.60E-10	0.397417	4.04E-19	0.061945	0.18144	0.338684	5.36E-14	-0.00227
0.028193	0.54335	0.231164	4.40E-07	0.017307	0.70913	0.204329	8.56E-06	-0.08219
0.006635	0.88629	-0.12321	0.00768	0.106256	0.02164	0.397567	3.91E-19	-0.01934
-0.08844	0.05614	0.172497	0.00018	0.095884	0.03833	0.362944	5.49E-16	0.079546
0.049969	0.2812	0.291599	1.32E-10	0.054096	0.24332	0.248511	5.28E-08	-0.03977
0.184856	5.85E-05	0.534696	6.86E-36	-0.00941	0.83922	0.09975	0.03114	0.163795
0.313958	3.84E-12	0.437398	3.03E-23	0.047585	0.30482	0.160592	0.00049	0.136692
0.23727	2.13E-07	0.411618	1.60E-20	0.0288	0.53471	0.176259	0.00013	0.029306
0.093765	0.04283	0.146643	0.00148	0.100935	0.02919	0.329195	2.89E-13	0.114303
0.126643	0.00613	0.393876	8.82E-19	0.018922	0.68339	0.128645	0.00537	-0.0552
0.107387	0.02028	0.259433	1.28E-08	0.024276	0.60079	0.160318	0.00051	-0.04639
0.319789	1.45E-12	0.586937	1.42E-44	0.034124	0.46193	0.196948	1.81E-05	0.136373
0.118466	0.0104	0.130674	0.00468	0.043333	0.35012	0.176144	0.00013	-0.01847
0.124187	0.00721	0.355235	2.46E-15	0.116015	0.01211	0.422591	1.19E-21	0.103977
0.212509	3.60E-06	0.480577	2.33E-28	0.03101	0.50382	0.194033	2.42E-05	0.07286
0.004083	0.92988	0.154585	0.0008	0.004979	0.91455	0.111735	0.0157	-0.23169
0.178954	0.0001	0.396824	4.61E-19	-0.01886	0.68434	-0.01739	0.70776	-0.14578
0.171592	0.00019	0.367057	2.43E-16	0.028885	0.5335	0.121801	0.00842	0.008855
0.267954	4.03E-09	0.170701	0.00021	0.028573	0.53793	0.076538	0.09853	-0.11166
0.156793	0.00067	0.296099	6.64E-11	-0.01055	0.82018	0.046708	0.31384	-0.16448
0.16117	0.00047	0.504893	1.41E-31	0.069286	0.1349	0.207682	6.03E-06	0.153999
0.002846	0.95108	0.167378	0.00028	0.050609	0.27508	0.244022	9.29E-08	-0.05249
0.119617	0.00967	0.19728	1.75E-05	0.090529	0.05057	0.209524	4.96E-06	0.044003
-0.00298	0.9488	0.059301	0.20083	1.08E-05	0.99981	0.14853	0.00129	-0.20321
0.237717	2.01E-07	0.188879	3.99E-05	0.085554	0.06471	0.212334	3.67E-06	0.055028
0.284586	3.77E-10	0.526078	1.34E-34	0.072491	0.11772	0.277712	1.02E-09	0.181327
0.088359	0.05638	0.233483	3.35E-07	0.081384	0.07893	0.244872	8.35E-08	0.162194
0.222478	1.20E-06	0.29768	5.20E-11	0.001397	0.97598	0.124147	0.00723	-0.20986
0.006015	0.89686	0.234143	3.09E-07	0.064641	0.16313	0.186997	4.78E-05	0.079256
0.286911	2.67E-10	0.422545	1.20E-21	0.015714	0.73484	0.088208	0.05681	0.04488
0.094592	0.04103	0.330364	2.36E-13	0.072608	0.11713	0.332295	1.68E-13	0.096877
0.054366	0.24096	0.14087	0.00228	0.011516	0.80398	0.113491	0.01413	-0.05365
0.116365	0.01185	0.284267	3.95E-10	0.041138	0.37508	0.209692	4.87E-06	0.058924
0.143012	0.00195	0.437756	2.77E-23	0.002395	0.95883	0.086188	0.06274	-0.0272
0.070888	0.12608	0.235163	2.74E-07	-0.01898	0.68248	0.047979	0.30083	-0.02806
0.076006	0.10091	0.272212	2.23E-09	0.015282	0.74186	0.15104	0.00106	-0.07603

0.361391	7.45E-16	0.542977	3.63E-37	0.0157	0.73506	0.163024	0.0004	-0.04485
0.168703	0.00025	0.331268	2.01E-13	0.108887	0.01858	0.333277	1.41E-13	0.239683
-0.00334	0.94264	0.193576	2.53E-05	0.000593	0.9898	0.238574	1.82E-07	-0.08164
0.350048	6.58E-15	0.594569	5.59E-46	0.015536	0.73773	0.164373	0.00036	-0.06446
0.395431	6.26E-19	0.471406	3.27E-27	-0.00163	0.97203	0.060621	0.19096	-0.00517
0.010078	0.82804	0.14714	0.00143	0.017595	0.7045	0.174678	0.00015	-0.00883
0.268784	3.59E-09	0.341262	3.36E-14	-0.03352	0.46986	0.027502	0.55328	-0.11228
0.223851	1.03E-06	0.15671	0.00068	-0.04177	0.36781	-0.02543	0.58352	-0.19995
0.205781	7.36E-06	0.424236	7.96E-22	0.052429	0.25816	0.215354	2.65E-06	0.018962
0.340964	3.54E-14	0.320817	1.22E-12	0.012679	0.78465	0.079973	0.08428	0.062894
0.123742	0.00742	0.449583	1.29E-24	-0.00261	0.95522	0.075217	0.1045	-0.08259
0.117795	0.01085	0.264208	6.73E-09	-0.02932	0.52736	0.070843	0.12632	-0.10101
0.186134	5.19E-05	0.303316	2.15E-11	-0.02189	0.63704	0.097807	0.0346	0.041017
0.328258	3.40E-13	0.51752	2.37E-33	0.068221	0.14101	0.147894	0.00135	0.149378
0.153763	0.00086	0.222139	1.25E-06	-0.01822	0.69453	0.102546	0.0267	-0.10419
0.236071	2.46E-07	0.157893	0.00062	-0.01502	0.74613	-0.03467	0.45477	-0.21729
0.348614	8.62E-15	0.46654	1.29E-26	0.014205	0.75948	-0.00906	0.84512	0.002777
0.227478	6.77E-07	0.162903	0.00041	0.017243	0.71015	0.06527	0.15907	-0.09997
0.102112	0.02735	0.168918	0.00025	0.027716	0.5502	0.010849	0.81513	0.007718
0.099916	0.03086	0.151871	0.00099	-0.00819	0.85987	0.046952	0.3113	-0.09157
0.095827	0.03845	0.440661	1.32E-23	0.02128	0.64646	0.141951	0.00211	0.043581
0.111038	0.01637	-0.16007	0.00052	-0.0098	0.83278	-0.10621	0.0217	0.054408
0.216812	2.25E-06	0.01579	0.73361	-0.00335	0.94251	-0.07078	0.12665	0.021769
0.088112	0.05708	-0.1008	0.0294	2.75E-05	0.99953	-0.01391	0.76426	-0.00826
0.1272	0.00591	0.064603	0.16338	-0.00194	0.96656	0.000946	0.98374	0.083813
0.064113	0.1666	-0.2369	2.22E-07	-0.0256	0.58111	-0.11635	0.01186	-0.04887
0.112844	0.01469	-0.15634	0.0007	-0.04322	0.35136	-0.10741	0.02026	-0.10327
0.379285	2.00E-17	0.144411	0.00176	-0.01097	0.81303	-0.09614	0.03781	0.053205
-0.01622	0.72657	-0.14235	0.00204	-0.03746	0.41932	-0.07798	0.09232	0.058373
0.097101	0.03593	-0.03631	0.43372	0.017875	0.70002	0.043699	0.34606	0.115969
0.189018	3.94E-05	0.05806	0.21043	-0.03617	0.43552	-0.08483	0.06703	0.080575
0.328994	3.00E-13	0.14906	0.00124	-0.02501	0.58981	-0.11617	0.012	-0.00113
0.067051	0.14798	-0.07153	0.1227	-0.04264	0.35793	-0.11468	0.01315	0.007421
0.276231	1.26E-09	0.062047	0.18072	-0.03113	0.50218	-0.14307	0.00194	-0.01561
0.119966	0.00946	-0.0059	0.89885	0.010442	0.82193	-0.03326	0.47333	0.032557
0.103554	0.02523	-0.12291	0.00784	-0.00691	0.88161	-0.06846	0.1396	0.021961
-0.00355	0.93904	-0.19639	1.92E-05	-0.03006	0.51695	-0.11477	0.01307	-0.10946
0.051354	0.26807	-0.04308	0.35289	-0.00957	0.83662	-0.03659	0.43015	-0.01191
0.108525	0.01898	0.081224	0.07952	0.01544	0.7393	-0.06333	0.17185	0.083602
0.085952	0.06347	-0.06141	0.18523	0.008042	0.86239	-0.03391	0.4647	0.025075
0.129116	0.0052	-0.00734	0.8743	-0.02255	0.62685	-0.07504	0.10532	-0.02547
0.102581	0.02664	0.025452	0.58325	-0.02663	0.56596	-0.0904	0.0509	0.02581
0.113608	0.01403	-0.01634	0.72464	-0.05567	0.22985	-0.14123	0.00222	-0.08593
0.291715	1.30E-10	0.320332	1.33E-12	-0.02477	0.59332	-0.10866	0.01883	0.026699
-0.02539	0.58422	-0.16197	0.00044	-0.04123	0.37402	-0.03158	0.496	-0.0391

0.174596	0.00015	0.016994	0.71415	-0.0084	0.85637	-0.10719	0.02051	-0.0303
0.048423	0.29637	-0.0481	0.29959	-0.01853	0.68967	-0.03931	0.39668	0.030553
0.154128	0.00083	0.033133	0.47505	0.009789	0.8329	-0.04043	0.38338	0.069315
0.355115	2.51E-15	0.050074	0.28019	0.005407	0.90724	-0.13716	0.00298	0.035084
0.27321	1.94E-09	0.203824	9.01E-06	0.020439	0.65954	-0.04846	0.296	0.046177
0.276671	1.19E-09	0.251435	3.64E-08	-0.01784	0.70067	-0.03089	0.50553	0.120643
0.198005	1.63E-05	-0.08488	0.06687	-0.00901	0.84607	-0.07918	0.0874	0.011246
0.20428	8.60E-06	0.037864	0.4143	0.007234	0.8761	-0.01543	0.73953	0.035884
0.101319	0.02857	-0.09135	0.0485	-0.04035	0.3843	-0.09315	0.04423	-0.02124
0.023003	0.62001	-0.07061	0.12757	0.003657	0.93717	-0.08386	0.07022	0.075148
0.277561	1.05E-09	-0.0568	0.22049	-0.00892	0.8475	-0.10361	0.02515	-0.07721
0.254026	2.60E-08	0.104877	0.02342	-0.00365	0.93729	-0.08624	0.06257	-0.02237
0.075374	0.10378	0.057722	0.2131	-0.0005	0.99137	-0.03553	0.44372	-0.01402
0.111598	0.01583	-0.0341	0.4623	-0.02555	0.58178	-0.07473	0.10676	0.037271
0.140228	0.00239	0.058437	0.20748	-0.03003	0.51737	-0.09703	0.03606	0.070448
0.055759	0.2291	0.022269	0.63122	0.015661	0.7357	-0.05746	0.21523	0.091624
0.086051	0.06316	-0.00524	0.91006	0.027046	0.55989	-0.0258	0.57816	0.016404
0.105191	0.023	-0.07756	0.0941	-0.03695	0.42561	-0.17175	0.00019	-0.05656
0.017872	0.70008	0.009688	0.8346	-0.01881	0.68523	-0.03398	0.4638	0.03779
0.108659	0.01883	-0.05357	0.24791	-0.02006	0.66553	-0.11981	0.00955	-0.07727
0.254093	2.58E-08	0.086859	0.06072	0.016193	0.72707	-0.01294	0.7804	0.021933
0.301346	2.93E-11	0.186808	4.87E-05	0.007313	0.87476	-0.10528	0.02289	-0.04323
0.133025	0.00398	0.111701	0.01574	-0.00428	0.92653	-0.0452	0.32973	0.054576
0.148375	0.0013	0.182086	7.57E-05	0.025166	0.5875	-0.01921	0.67877	-0.00026
0.362971	5.46E-16	-0.11558	0.01244	-0.05843	0.20754	-0.22258	1.19E-06	-0.09571
0.408442	3.34E-20	0.39714	4.29E-19	-0.06406	0.16693	-0.25141	3.65E-08	-0.26323
0.178362	0.00011	0.479229	3.45E-28	0.035117	0.449	0.05032	0.27784	0.275969
0.251171	3.76E-08	0.464693	2.16E-26	-0.0075	0.87164	-0.13942	0.00253	0.049342
0.385608	5.27E-18	0.438007	2.60E-23	0.017152	0.71162	0.00514	0.91178	0.110572
0.380739	1.47E-17	0.337115	7.11E-14	-0.00226	0.96107	-0.00173	0.9703	0.108201
0.166786	0.00029	0.303312	2.15E-11	-0.01074	0.81687	-0.06633	0.15237	0.128802
0.285068	3.51E-10	0.318803	1.72E-12	0.01335	0.77354	0.053326	0.25009	-0.01089
0.241604	1.25E-07	0.592284	1.49E-45	0.077997	0.09226	0.065298	0.15889	0.180834
0.359049	1.18E-15	0.371918	9.11E-17	-0.00578	0.90085	-0.00288	0.95057	-0.02447
0.240906	1.37E-07	0.411708	1.57E-20	0.046257	0.31853	-0.04696	0.31128	0.323056
0.261085	1.02E-08	0.35427	2.96E-15	-0.04228	0.36198	-0.09177	0.04747	-0.03835
0.300744	3.22E-11	0.522844	4.01E-34	0.010777	0.81632	0.044004	0.3427	0.090272
0.33909	4.98E-14	0.27182	2.36E-09	-0.00344	0.94082	0.002533	0.95647	0.019549
0.270798	2.72E-09	0.355201	2.47E-15	0.006506	0.88848	-0.02546	0.5832	-0.03338
0.342126	2.87E-14	0.440042	1.55E-23	-0.00024	0.99589	0.071688	0.12186	-0.06272
0.22661	7.48E-07	0.164299	0.00036	0.01277	0.78314	0.001416	0.97566	-0.06207
0.037135	0.42336	0.170869	0.00021	0.06326	0.17233	0.202277	1.06E-05	-0.00529
0.418746	2.98E-21	0.361197	7.74E-16	-0.03284	0.47892	-0.08549	0.06489	0.062787
0.343868	2.08E-14	0.248114	5.55E-08	0.01519	0.74337	0.002813	0.95166	0.043236
-0.36355	4.87E-16	-0.46676	1.21E-26	-0.07107	0.12512	-0.14388	0.00183	-0.1285

0.362678	5.79E-16	0.329453	2.76E-13	-0.0021	0.96392	-0.03829	0.40904	0.041041
0.305511	1.52E-11	0.391881	1.36E-18	0.037902	0.41383	0.006947	0.88098	0.124603
0.264344	6.60E-09	0.119551	0.00971	-0.00339	0.94183	-0.01769	0.70306	0.006346
0.185343	5.59E-05	0.292944	1.08E-10	0.03921	0.39789	0.125059	0.00681	0.167976
0.295208	7.62E-11	0.363077	5.35E-16	-0.04806	0.30005	-0.07782	0.093	-0.14598
0.301996	2.65E-11	0.119628	0.00967	-0.03712	0.42351	-0.09579	0.03851	-0.05246
0.175799	0.00013	0.209619	4.91E-06	0.014292	0.75805	0.016917	0.71539	0.008849
0.246936	6.45E-08	0.317066	2.29E-12	0.012561	0.7866	0.005108	0.91233	-0.02891
0.35253	4.12E-15	0.259541	1.26E-08	0.011876	0.79799	0.054221	0.24222	0.128634
0.131168	0.00452	0.361023	8.01E-16	0.11412	0.0136	0.173742	0.00016	0.171627
0.134524	0.00358	0.450851	9.24E-25	0.080974	0.08046	0.238537	1.82E-07	0.113993
0.326511	4.61E-13	0.397718	3.78E-19	0.094949	0.04027	0.192194	2.90E-05	0.165605
0.044209	0.34046	0.202304	1.05E-05	-0.02068	0.65571	0.052161	0.26061	-0.08261
0.349574	7.20E-15	0.207372	6.23E-06	0.030531	0.51043	-0.03019	0.51512	0.001941
0.302313	2.52E-11	0.368955	1.66E-16	0.020508	0.65846	-0.02883	0.53427	0.075736
0.214159	3.01E-06	0.177195	0.00012	0.026562	0.56693	-0.00745	0.87245	0.053764
0.212445	3.63E-06	0.401595	1.59E-19	0.061825	0.18229	0.066999	0.14829	0.08037
0.146627	0.00149	0.267778	4.13E-09	-0.00725	0.8759	0.06532	0.15874	-0.08201
-0.19198	2.96E-05	-0.35735	1.64E-15	-0.03116	0.50179	0.016131	0.72808	-0.04312
0.332822	1.53E-13	0.2532	2.89E-08	-0.00178	0.96946	-0.06933	0.13466	0.052074
0.351149	5.35E-15	0.479017	3.67E-28	0.007646	0.86911	-0.04904	0.29028	0.084541
0.331115	2.07E-13	0.363397	5.02E-16	0.027872	0.54796	0.029116	0.53024	0.089569
0.395662	5.95E-19	0.506089	9.65E-32	-0.03065	0.50877	-0.11365	0.01399	-0.15887
0.34178	3.05E-14	0.361163	7.79E-16	-0.00522	0.91035	0.017502	0.70599	0.078067
0.176776	0.00012	0.256256	1.94E-08	0.018021	0.69769	0.04231	0.36161	0.153439
0.307315	1.13E-11	0.380453	1.57E-17	0.030176	0.51536	0.039534	0.394	0.060345
0.461157	5.72E-26	0.277562	1.04E-09	-0.06009	0.19489	-0.17455	0.00015	-0.12284
0.17298	0.00017	0.247795	5.78E-08	0.023317	0.61524	-0.04044	0.38327	0.128007
-0.25874	1.40E-08	-0.24629	7.00E-08	-0.02359	0.6111	-0.0202	0.66328	-0.03832
0.090538	0.05054	0.154092	0.00083	0.093022	0.04452	0.152815	0.00092	0.025947
0.324648	6.36E-13	0.454894	3.14E-25	0.022972	0.62048	-0.03714	0.42334	0.082449
0.400743	1.92E-19	0.467073	1.11E-26	0.019955	0.66711	0.050057	0.28036	0.008745
0.275866	1.33E-09	0.25361	2.74E-08	0.026531	0.56739	0.012433	0.78872	0.045296
0.231421	4.27E-07	0.287998	2.27E-10	0.008961	0.84685	0.024252	0.60114	0.067404
0.003673	0.9369	0.206545	6.79E-06	0.016925	0.71526	0.214023	3.06E-06	-0.11757
0.160542	0.0005	0.401445	1.64E-19	-0.03001	0.51761	-0.06821	0.14109	-0.09675
0.248067	5.59E-08	0.273479	1.87E-09	0.048348	0.29712	-0.00639	0.89053	0.004576
0.179217	9.86E-05	0.101849	0.02775	-0.01799	0.69826	-0.09048	0.0507	0.045733
0.27106	2.62E-09	0.497971	1.24E-30	0.001706	0.97067	0.07593	0.10125	-0.03028
0.2643	6.64E-09	0.317119	2.27E-12	-0.02079	0.65406	-0.05146	0.26712	0.055614
0.307853	1.04E-11	0.251476	3.62E-08	-0.01284	0.7819	-0.03836	0.40825	-0.01685
0.156278	0.0007	0.004905	0.91581	-0.00889	0.84805	0.004471	0.92324	0.017383
0.298655	4.47E-11	0.212103	3.76E-06	-0.02211	0.63373	0.048126	0.29935	-0.07371
0.247966	5.66E-08	0.509281	3.48E-32	0.024486	0.59764	0.037257	0.42182	0.040009
0.27403	1.73E-09	0.341228	3.38E-14	-0.01838	0.69191	-0.04298	0.35405	-0.1148

0.29335	1.01E-10	0.347867	9.91E-15	0.005928	0.89833	0.058056	0.21046	0.076438
0.353975	3.13E-15	0.53556	5.07E-36	-0.00239	0.95897	-0.09228	0.04626	0.08385
0.167787	0.00027	0.396821	4.61E-19	0.054883	0.23652	0.045836	0.32296	0.096053
0.410418	2.11E-20	0.39055	1.82E-18	0.005613	0.90371	-0.00503	0.91371	0.038047
0.25377	2.69E-08	0.32886	3.07E-13	0.034	0.46356	0.058712	0.20535	0.007481
0.272068	2.28E-09	0.325481	5.51E-13	0.017935	0.69907	0.018238	0.69425	-0.03762
0.274636	1.58E-09	0.439996	1.56E-23	0.011836	0.79865	0.085614	0.06452	0.101662
0.384298	6.96E-18	0.535955	4.41E-36	-0.01587	0.73228	-0.08588	0.0637	0.047808
0.074644	0.10718	0.477902	5.08E-28	0.027061	0.55966	0.099645	0.03132	-0.01856
-0.21172	3.92E-06	-0.45091	9.10E-25	-0.05101	0.27133	-0.06848	0.13951	-0.13069
0.349123	7.84E-15	0.394809	7.18E-19	-0.03058	0.50969	-0.11985	0.00953	0.014224
0.24367	9.70E-08	0.168246	0.00026	-0.00859	0.85317	0.018555	0.6892	0.088927
-0.01877	0.6858	-0.34762	1.04E-14	-0.04833	0.29733	-0.09239	0.04599	-0.1942
0.18485	5.85E-05	-0.08785	0.05783	0.055093	0.23472	-0.01919	0.67909	0.056501
0.053984	0.24429	0.215382	2.64E-06	-0.01639	0.72385	-0.04897	0.29096	-0.01438
0.29809	4.88E-11	0.321649	1.06E-12	0.019909	0.66783	-0.04104	0.37618	0.129498
0.349886	6.79E-15	0.644586	3.44E-56	0.046843	0.31243	0.063373	0.17156	0.066589
0.241319	1.30E-07	0.38947	2.30E-18	0.066746	0.14983	0.115344	0.01262	0.125864
0.161233	0.00047	0.211782	3.90E-06	0.073265	0.11384	0.14992	0.00116	0.190869
0.214491	2.91E-06	0.204526	8.38E-06	-0.02442	0.59868	-0.07664	0.09807	-0.0453
0.188198	4.26E-05	0.169814	0.00023	-0.01469	0.75153	-0.05157	0.26604	-0.05526
0.226684	7.42E-07	0.184051	6.31E-05	-0.03671	0.42865	-0.10183	0.02777	0.072642
0.261978	9.09E-09	0.192949	2.69E-05	0.002821	0.95153	-0.07245	0.11793	0.056669
0.271075	2.61E-09	0.056208	0.22537	-0.04421	0.34047	-0.07434	0.10861	-0.09319
0.347503	1.06E-14	0.612808	1.72E-49	0.085801	0.06394	0.094519	0.04118	0.231757
0.146055	0.00155	0.490272	1.30E-29	0.087019	0.06024	0.103222	0.02571	0.289014
0.042441	0.36013	0.107942	0.01964	0.041739	0.36814	0.058184	0.20946	0.127449
0.180297	8.93E-05	0.350148	6.46E-15	0.043381	0.34958	0.110656	0.01675	0.106909
0.350562	5.98E-15	0.504025	1.86E-31	0.048318	0.29742	0.054173	0.24264	0.048648
0.153693	0.00086	0.279299	8.14E-10	-0.04165	0.36917	0.003563	0.93879	0.063174
0.380709	1.48E-17	0.373429	6.69E-17	0.022564	0.6267	-0.00281	0.95172	0.097692
0.212071	3.78E-06	0.438182	2.48E-23	0.028252	0.54251	0.052444	0.25802	0.145612
0.276609	1.20E-09	0.423421	9.70E-22	0.052641	0.25624	0.196564	1.88E-05	0.077646
0.277853	1.00E-09	0.388632	2.76E-18	-0.02932	0.5274	0.016741	0.71822	-0.09037
0.235818	2.53E-07	0.235489	2.63E-07	-0.04271	0.35705	-0.04119	0.37447	-0.10774
0.051888	0.26311	0.240658	1.41E-07	-0.03724	0.42207	-0.04116	0.37482	0.158133
0.274669	1.58E-09	0.48751	2.99E-29	0.102277	0.0271	0.293865	9.36E-11	0.204805
0.196988	1.81E-05	0.220265	1.54E-06	0.0236	0.61095	0.037616	0.41737	0.099013
-0.10254	0.0267	-0.3231	8.28E-13	0.016683	0.71915	-0.00582	0.90019	-0.08639
0.483401	1.02E-28	0.607936	1.57E-48	0.036786	0.42773	0.1329	0.00401	0.068081
-0.09944	0.03168	-0.39289	1.09E-18	-0.05411	0.24317	-0.1441	0.0018	-0.10331
0.308149	9.92E-12	0.386636	4.23E-18	-0.02069	0.65562	-0.00275	0.95275	0.003189
0.384586	6.55E-18	0.186025	5.24E-05	-0.01977	0.67001	-0.07119	0.12447	-0.00304
0.229887	5.11E-07	0.286721	2.75E-10	-0.02724	0.55714	-0.09804	0.03417	-0.01131
0.329487	2.75E-13	0.22416	9.90E-07	-0.06155	0.18421	-0.06281	0.17541	-0.09975

-0.12812	0.00556	-0.08581	0.06389	0.030579	0.50976	-0.00232	0.96017	0.033789
0.291764	1.29E-10	0.395508	6.16E-19	0.017351	0.70842	0.098939	0.03255	1.73E-05
0.038077	0.41167	-0.19598	2.00E-05	-0.00961	0.83594	-0.09482	0.04054	0.055894
0.388681	2.73E-18	0.443362	6.58E-24	0.017868	0.70014	0.045937	0.3219	-0.03808
0.343202	2.35E-14	0.215954	2.48E-06	-0.03519	0.44804	-0.0799	0.08456	-0.08821
0.384925	6.09E-18	0.087902	0.05768	0.016448	0.72295	-0.05142	0.26745	0.031181
0.361921	6.72E-16	0.387972	3.18E-18	0.013715	0.76753	-0.02392	0.60609	0.048101
0.286713	2.75E-10	0.25901	1.35E-08	0.037814	0.41492	0.126892	0.00603	0.216773
-0.22288	1.14E-06	-0.44239	8.45E-24	-0.092	0.04692	-0.23171	4.13E-07	-0.15368
0.161479	0.00046	0.160032	0.00052	-0.00198	0.96594	0.005362	0.908	0.041909
0.358826	1.23E-15	0.594497	5.76E-46	0.013532	0.77055	-0.01393	0.76401	0.048189
0.279387	8.04E-10	0.426659	4.41E-22	-0.00269	0.95379	0.040111	0.38713	0.05253
0.271209	2.57E-09	0.537985	2.16E-36	0.088021	0.05733	0.085162	0.06595	0.278353
0.230514	4.75E-07	0.37175	9.43E-17	0.049615	0.28463	-0.01679	0.7174	0.162918
0.179364	9.73E-05	0.294652	8.29E-11	0.018722	0.68655	0.024523	0.59708	0.038975
0.371466	9.99E-17	0.392834	1.11E-18	-0.02958	0.52372	0.004367	0.92502	-0.15567
0.274988	1.51E-09	0.28897	1.96E-10	-0.00533	0.90861	-0.04113	0.37513	-0.06249
0.185948	5.28E-05	0.260799	1.06E-08	0.062739	0.17589	0.195006	2.20E-05	0.118939
0.236842	2.24E-07	0.368549	1.80E-16	0.01718	0.71117	0.144777	0.00171	0.02841
0.313185	4.37E-12	0.517149	2.68E-33	0.085566	0.06467	0.147363	0.00141	0.26134
0.236948	2.21E-07	0.164714	0.00035	0.036252	0.43447	0.045791	0.32344	0.041072
0.13607	0.00322	0.243068	1.05E-07	-0.02844	0.53988	-0.00034	0.9942	-0.08272
0.258527	1.44E-08	0.555188	4.09E-39	0.039202	0.39799	0.051987	0.2622	0.090836
0.194037	2.42E-05	0.302154	2.58E-11	-0.01433	0.75749	0.094278	0.04171	-0.0121
0.36884	1.70E-16	0.22322	1.10E-06	-0.00722	0.87629	-0.02774	0.54991	-0.05117
0.301254	2.98E-11	0.455488	2.67E-25	0.008322	0.85765	-0.02682	0.56315	-0.04858
0.268053	3.98E-09	0.312331	5.02E-12	-0.02494	0.59091	-0.01697	0.71456	-0.07113
0.240877	1.37E-07	0.509636	3.10E-32	0.090445	0.05078	0.235488	2.63E-07	0.220332
0.229233	5.52E-07	0.447483	2.25E-24	0.028139	0.54413	0.010509	0.82081	0.135378
0.055888	0.22803	0.154922	0.00078	0.066766	0.14971	0.149958	0.00115	0.191541
0.294787	8.12E-11	0.319071	1.64E-12	-0.00166	0.97146	0.066258	0.15284	0.0274
0.338645	5.40E-14	0.616272	3.48E-50	0.049689	0.28392	0.113169	0.01441	0.144714
0.40345	1.04E-19	0.312334	5.02E-12	-0.02537	0.58451	-0.08345	0.0716	0.011291
0.253219	2.89E-08	0.445908	3.39E-24	0.005965	0.8977	0.070276	0.1294	0.126424
0.252014	3.37E-08	0.26373	7.18E-09	-0.02513	0.58801	-0.0777	0.0935	0.027287
0.345166	1.64E-14	0.346926	1.18E-14	-0.01887	0.68423	-0.04674	0.31347	-0.13734
0.114644	0.01317	0.219789	1.62E-06	0.034613	0.45553	0.031328	0.49946	-0.01622
0.249637	4.58E-08	0.409409	2.67E-20	0.030515	0.51065	0.049352	0.28719	0.123025
0.366666	2.62E-16	0.349399	7.44E-15	0.061976	0.18122	0.120282	0.00927	0.161118
0.477857	5.14E-28	0.5503	2.52E-38	-0.01115	0.81013	0.00273	0.95309	-0.05806
0.230705	4.65E-07	0.187609	4.51E-05	-0.02924	0.52854	-0.03834	0.4085	-0.03371
0.213958	3.08E-06	0.234873	2.84E-07	-0.01371	0.7676	-0.00985	0.8319	0.010198
0.300782	3.21E-11	0.373606	6.46E-17	-0.01217	0.79311	-0.08674	0.06106	-0.08563
0.220786	1.45E-06	0.223467	1.07E-06	0.041964	0.36557	0.017564	0.70501	0.167767
0.307142	1.17E-11	0.30602	1.40E-11	-0.01035	0.82347	-0.04904	0.29021	-0.05082

0.075388	0.10372	0.120154	0.00935	-0.05731	0.21639	-0.06076	0.18993	-0.08338
0.453796	4.21E-25	0.243985	9.33E-08	-0.0128	0.78263	-0.04913	0.28938	-0.03345
0.207054	6.44E-06	0.377896	2.67E-17	0.059622	0.1984	0.146319	0.00152	0.167333
0.232658	3.69E-07	0.277671	1.03E-09	0.001344	0.9769	0.060294	0.19338	-0.11844
0.139231	0.00257	0.191355	3.15E-05	-0.01249	0.78781	0.007061	0.87905	0.076682
0.189743	3.68E-05	0.243666	9.71E-08	-0.10392	0.02472	-0.1311	0.00454	-0.21558
0.140277	0.00238	0.311223	6.02E-12	-0.04407	0.342	0.006519	0.88826	0.0509
0.184608	5.99E-05	0.336387	8.10E-14	-0.03254	0.48302	-0.00685	0.8827	-0.15767
0.247039	6.36E-08	0.325638	5.36E-13	-0.0106	0.81928	0.034065	0.46271	0.031198
0.300241	3.49E-11	0.213065	3.39E-06	0.032383	0.48511	0.061804	0.18244	0.026256
0.330358	2.36E-13	0.297197	5.60E-11	-0.00505	0.91329	0.032737	0.48034	-0.16349
-0.02103	0.65039	-0.3572	1.68E-15	-0.0458	0.32335	-0.17351	0.00016	-0.09858
0.118369	0.01046	0.085236	0.06571	-0.01233	0.79051	-0.02349	0.61261	0.095489
0.337706	6.39E-14	0.375851	4.07E-17	-0.00069	0.98805	-0.02799	0.54625	-0.07564
0.227489	6.76E-07	0.356364	1.98E-15	-0.02981	0.52044	-0.01678	0.71758	-0.12658
0.32264	8.96E-13	0.432648	1.00E-22	0.054267	0.24182	0.059838	0.19678	0.192552
0.246024	7.23E-08	0.1485	0.00129	-0.00296	0.94914	-0.04529	0.32874	-0.03142
0.287394	2.48E-10	0.396579	4.86E-19	0.020301	0.66169	0.019988	0.6666	0.089131
0.33078	2.19E-13	0.562905	2.18E-40	0.034833	0.45268	0.08328	0.07218	0.070418
0.157191	0.00065	0.429758	2.06E-22	0.019904	0.66791	0.09241	0.04594	0.07313
0.249833	4.46E-08	0.243886	9.44E-08	-0.0429	0.35497	-0.1351	0.00344	-0.05672
0.305219	1.59E-11	0.241684	1.24E-07	-0.02203	0.63487	-0.08181	0.07736	-0.04754
0.008923	0.8475	0.310032	7.31E-12	0.201601	1.13E-05	0.278721	8.85E-10	0.500378
-0.21769	2.05E-06	-0.26208	8.96E-09	-0.0384	0.40777	-0.08318	0.07252	-0.02841
0.203968	8.88E-06	0.279174	8.29E-10	0.037357	0.42059	0.069762	0.13223	-0.01245
0.227687	6.60E-07	0.248695	5.16E-08	0.002907	0.95005	-0.00801	0.86296	-0.00636
0.30179	2.74E-11	0.212747	3.51E-06	-0.01407	0.76162	0.011194	0.80936	0.009181
0.173346	0.00017	0.317885	2.00E-12	0.015467	0.73886	0.11009	0.01732	0.08269
0.173603	0.00016	0.249138	4.88E-08	-0.00236	0.95947	0.035116	0.44902	-0.05679
0.188907	3.98E-05	0.347011	1.16E-14	-0.00512	0.91216	0.090569	0.05047	0.025633
0.196769	1.85E-05	0.294246	8.83E-11	0.044141	0.3412	0.152908	0.00092	0.074379
0.390154	1.98E-18	0.436467	3.84E-23	0.083757	0.07056	0.083321	0.07204	0.318543
0.092903	0.04479	0.085335	0.0654	-0.03852	0.40628	0.079467	0.08627	-0.22144
0.293394	1.01E-10	0.496787	1.78E-30	0.051318	0.2684	0.119309	0.00986	0.009186
0.286909	2.67E-10	0.530282	3.18E-35	0.012462	0.78823	0.055124	0.23446	0.009939
0.35518	2.48E-15	0.314526	3.50E-12	-0.01201	0.79568	0.035705	0.44143	0.016521
0.281912	5.57E-10	0.312529	4.86E-12	-0.01073	0.81716	0.011079	0.81128	-0.03795
0.215716	2.54E-06	0.27746	1.06E-09	0.026708	0.5648	0.007855	0.86557	0.135728
0.197056	1.79E-05	0.134362	0.00363	0.012369	0.78979	0.036292	0.43396	0.077379
-0.15732	0.00064	-0.25559	2.12E-08	-0.02715	0.5584	-0.07538	0.10375	-0.08175
0.234872	2.84E-07	0.146065	0.00155	-0.01957	0.67321	-0.04806	0.29998	-0.01043
0.29976	3.76E-11	0.287722	2.37E-10	0.050916	0.27217	-0.00302	0.94816	0.172251
0.231296	4.33E-07	0.33817	5.88E-14	-0.0248	0.59292	-0.0563	0.22458	-0.11646
0.145052	0.00167	0.133582	0.00383	0.011407	0.8058	-0.00989	0.83118	0.065206
-0.08113	0.07986	-0.1069	0.02085	-0.00368	0.93681	-0.04869	0.29374	-0.04969

0.157039	0.00066	-0.05626	0.22491	0.015731	0.73456	-0.1056	0.02247	0.115329
0.105988	0.02198	-0.26938	3.31E-09	-0.04369	0.34615	-0.21917	1.74E-06	0.000793
0.328683	3.16E-13	0.083843	0.07027	0.016461	0.72274	-0.11592	0.01218	0.032897
0.253494	2.79E-08	-0.05519	0.23388	0.025123	0.58813	-0.06111	0.18741	0.066777
0.095709	0.03869	-0.11345	0.01416	0.005073	0.91293	-0.04364	0.34667	0.01152
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0.058204	0.2093	-0.30887	8.83E-12	-0.0567	0.22133	-0.15882	0.00057	-0.05697
0.08627	0.06249	-0.1577	0.00063	0.03382	0.46594	0.01712	0.71213	0.00515
0.11014	0.01726	0.04832	0.2974	-0.03205	0.48966	-0.1045	0.02392	0.026198
0.061271	0.18624	-0.39009	2.01E-18	-0.05021	0.27888	-0.21532	2.66E-06	-0.09285
0.021756	0.63911	-0.45419	3.80E-25	0.019931	0.66748	-0.16122	0.00047	-0.12263
0.025149	0.58775	-0.46877	6.90E-27	-0.04007	0.38767	-0.15666	0.00068	-0.11622
0.145965	0.00156	-0.17029	0.00022	0.037784	0.41529	-0.07878	0.08905	0.048494
0.188221	4.25E-05	-0.22803	6.35E-07	0.004755	0.91838	-0.1413	0.00221	0.008065
0.134758	0.00353	-0.16211	0.00044	-0.02056	0.65771	-0.15035	0.00112	-0.03906
0.100985	0.02911	-0.20645	6.86E-06	-0.0152	0.74327	-0.148	0.00134	-0.07974
0.119372	0.00982	-0.22165	1.32E-06	-0.02299	0.62014	-0.11125	0.01617	-0.00836
0.130131	0.00485	-0.16162	0.00045	-0.01575	0.73425	-0.10852	0.01898	-0.03679
0.003267	0.94386	-0.35207	4.49E-15	-0.01637	0.72421	-0.12706	0.00597	-0.06896
0.06182	0.18232	-0.19151	3.10E-05	-0.01832	0.69288	-0.14643	0.00151	-0.07061
0.235239	2.71E-07	-0.14702	0.00144	-0.01573	0.73461	-0.17661	0.00012	-0.0295
0.260845	1.06E-08	-0.07894	0.08838	0.023464	0.61302	-0.13036	0.00478	0.040852
0.168729	0.00025	-0.02836	0.54093	0.052041	0.26171	-0.10154	0.02823	0.055494
0.048648	0.29414	-0.25448	2.45E-08	-0.01278	0.78291	-0.14428	0.00177	-0.01141
0.051996	0.26212	-0.16685	0.00029	-0.0134	0.7728	-0.08413	0.06932	-0.05038
0.085257	0.06565	-0.29419	8.90E-11	0.015968	0.73071	-0.17008	0.00022	-0.01928
0.131419	0.00444	-0.23637	2.37E-07	-0.03175	0.49374	-0.15386	0.00085	-0.04732
0.145841	0.00158	-0.06081	0.18956	0.004293	0.92629	-0.07905	0.08792	0.020871
0.179636	9.49E-05	-0.07449	0.10793	0.01496	0.74713	-0.08711	0.05996	0.034528
0.082351	0.07542	-0.25711	1.74E-08	0.022758	0.62374	-0.05918	0.20174	0.012078
0.179087	9.97E-05	-0.08136	0.07901	0.028254	0.54249	-0.0875	0.05882	0.015647
0.187943	4.37E-05	-0.20014	1.31E-05	-0.01318	0.77634	-0.10187	0.02771	-0.05418
0.159809	0.00053	-0.23136	4.30E-07	0.01005	0.82851	-0.18411	6.27E-05	-0.10076
0.152687	0.00093	-0.08902	0.05454	0.012248	0.79179	-0.05814	0.20979	0.001612
0.147946	0.00134	-0.0953	0.03952	0.032589	0.48234	-0.01683	0.71673	0.041742
0.159715	0.00053	-0.04743	0.30641	0.055927	0.2277	-0.00738	0.87356	-0.01167
0.13595	0.00324	-0.1588	0.00057	0.043142	0.35224	-0.06025	0.19372	0.015877
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0.125855	0.00646	0.302312	2.52E-11	0.153106	0.0009	0.371793	9.34E-17	0.552011
0.0656	0.15696	0.119729	0.0096	0.078163	0.09157	0.039581	0.39345	0.545874
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0.093636	0.04312	0.230934	4.52E-07	0.21294	3.44E-06	0.336169	8.43E-14	0.763533
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0.001454	0.975	-0.03816	0.41071	0.150556	0.0011	0.220596	1.48E-06	0.559619
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0.008945	0.84713	0.138122	0.00278	0.262079	8.97E-09	0.209007	5.24E-06	0.652604
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-0.04785	0.30215	0.153856	0.00085	0.230478	4.77E-07	0.361113	7.87E-16	0.784461
0.025456	0.58319	0.188964	3.96E-05	0.175635	0.00014	0.350895	5.61E-15	0.552301
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0.011878	0.79795	0.331708	1.86E-13	0.233726	3.25E-07	0.307033	1.19E-11	0.707481
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0.127522	0.00579	0.323608	7.60E-13	0.162216	0.00043	0.143632	0.00186	0.415247
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0.268888	3.54E-09	0.364599	3.96E-16	0.145142	0.00166	0.142557	0.00201	0.535899

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0.033417	0.47126	0.201472	1.15E-05	0.133756	0.00378	0.106815	0.02096	0.453017
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-0.01521	0.74308	0.169281	0.00024	0.299494	3.92E-11	0.396934	4.49E-19	0.802466
0.039604	0.39316	0.299235	4.08E-11	0.252733	3.08E-08	0.332816	1.53E-13	0.854181
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-0.04282	0.35582	0.106963	0.02078	0.334189	1.20E-13	0.361494	7.30E-16	0.66824
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-0.10463	0.02375	0.222756	1.16E-06	0.09267	0.04533	0.187821	4.42E-05	0.474018
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0.117278	0.0112	0.024927	0.59104	0.166893	0.00029	0.213489	3.24E-06	0.489555
0.117174	0.01127	0.425512	5.84E-22	0.159495	0.00054	0.322119	9.79E-13	0.573849
0.062145	0.18003	0.444723	4.62E-24	0.198997	1.48E-05	0.358802	1.23E-15	0.717352
-0.05862	0.20605	0.037206	0.42246	0.218741	1.82E-06	0.129488	0.00507	0.528299
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-0.07762	0.09383	0.005781	0.90085	0.27514	1.48E-09	0.455578	2.61E-25	0.636781
0.143206	0.00192	0.442239	8.79E-24	0.12874	0.00533	0.253286	2.86E-08	0.541343
-0.06588	0.1552	-0.12699	0.00599	0.173695	0.00016	0.200269	1.30E-05	0.547127
0.249783	4.49E-08	0.150691	0.00109	0.347893	9.86E-15	0.29126	1.39E-10	0.651095
0.166922	0.00029	0.249475	4.67E-08	0.187185	4.70E-05	0.25398	2.62E-08	0.492963
0.102298	0.02707	0.365758	3.15E-16	0.056112	0.22617	0.043979	0.34297	0.387146
-0.00331	0.94321	0.001525	0.97377	0.094886	0.0404	0.110887	0.01652	0.464134
-0.05652	0.22281	0.063141	0.17313	0.271198	2.57E-09	0.264141	6.79E-09	0.724272
-0.09889	0.03264	0.017333	0.70871	0.242177	1.17E-07	0.28251	5.11E-10	0.530228
-0.0107	0.81764	0.084247	0.06892	0.093959	0.0424	0.336437	8.03E-14	0.559478
0.064182	0.16615	0.231374	4.29E-07	0.174313	0.00015	0.237025	2.19E-07	0.662298
0.043312	0.35035	0.054659	0.23843	0.112922	0.01463	0.038863	0.40209	0.459591
-0.1517	0.00101	-0.20515	7.85E-06	0.189572	3.74E-05	0.322569	9.07E-13	0.553283
0.129392	0.0051	0.110816	0.01659	0.187311	4.64E-05	0.201453	1.15E-05	0.613071
-0.05065	0.27472	-0.03338	0.4718	0.128877	0.00528	0.265112	5.95E-09	0.511973
-0.16118	0.00047	-0.13738	0.00293	0.267067	4.55E-09	0.294027	9.13E-11	0.508024
-0.09401	0.0423	-0.02387	0.60685	0.118145	0.01061	0.231236	4.37E-07	0.512523
-0.06744	0.14561	-0.09384	0.04266	0.129398	0.0051	0.24739	6.09E-08	0.473977
-0.09031	0.05114	-0.07398	0.11037	0.331703	1.86E-13	0.224782	9.22E-07	0.454474
-0.05475	0.23764	-0.00581	0.9004	0.243004	1.05E-07	0.12805	0.00559	0.595133
-0.01499	0.74665	0.031751	0.49367	0.086027	0.06324	0.095977	0.03814	0.577281
-0.00557	0.90438	0.251807	3.47E-08	0.180715	8.59E-05	0.317728	2.05E-12	0.50173
0.108152	0.0194	0.36932	1.54E-16	0.039446	0.39506	-0.0055	0.90557	0.388289
0.176126	0.00013	0.349666	7.07E-15	0.093554	0.04331	0.054585	0.23907	0.504512
-0.07596	0.1011	0.133759	0.00378	0.482233	1.43E-28	0.616336	3.38E-50	0.779267

-0.03026	0.51419	0.048793	0.2927	0.262319	8.68E-09	0.327124	4.15E-13	0.581808
0.151883	0.00099	0.373693	6.34E-17	0.148882	0.00125	0.110689	0.01671	0.543814
0.197029	1.80E-05	0.452394	6.13E-25	0.112235	0.01524	0.100131	0.0305	0.526671
-0.17373	0.00016	0.147216	0.00142	0.15627	0.0007	0.3568	1.82E-15	0.579337
-0.11633	0.01188	0.011549	0.80342	0.382153	1.10E-17	0.527341	8.73E-35	0.569791
-0.08179	0.07744	0.069192	0.13543	0.334216	1.19E-13	0.606553	2.92E-48	0.761744
-0.08769	0.0583	-0.05704	0.21854	0.476125	8.49E-28	0.522584	4.38E-34	0.676938
0.069084	0.13604	0.39788	3.64E-19	0.143146	0.00193	0.247545	5.97E-08	0.570242
0.171913	0.00019	0.306596	1.27E-11	0.250115	4.31E-08	0.297384	5.44E-11	0.614912
0.024773	0.59334	0.198028	1.63E-05	0.207199	6.34E-06	0.205671	7.44E-06	0.805367
-0.05238	0.25859	-0.06324	0.17248	0.133488	0.00385	0.149895	0.00116	0.49623
-0.05242	0.25821	0.144959	0.00168	0.254202	2.54E-08	0.362294	6.24E-16	0.922598
-0.11425	0.01349	-0.12997	0.00491	0.171512	0.0002	0.315514	2.97E-12	0.559042
-0.05888	0.20404	-0.0181	0.6964	0.23493	2.82E-07	0.219418	1.69E-06	0.60027
-0.06282	0.17533	0.136211	0.00318	0.221737	1.30E-06	0.337095	7.13E-14	0.814877
-0.03628	0.43405	-0.04965	0.28431	0.044657	0.33558	0.080315	0.08296	0.425827
-0.02347	0.61289	0.01811	0.69629	0.143401	0.00189	0.239728	1.58E-07	0.511764
-0.10921	0.01823	-0.12194	0.00834	0.137561	0.00289	0.142959	0.00195	0.434058
0.056984	0.21902	0.043624	0.34688	0.197226	1.76E-05	0.17413	0.00016	0.678539
-0.109	0.01846	0.22549	8.51E-07	0.191371	3.14E-05	0.433378	8.35E-23	0.599305
-0.10333	0.02554	0.017175	0.71124	0.176438	0.00013	0.555144	4.16E-39	0.613067
0.054018	0.24399	0.207858	5.92E-06	0.117732	0.01089	0.129847	0.00495	0.404911
-0.01635	0.72448	0.141864	0.00212	0.197541	1.71E-05	0.243271	1.02E-07	0.744006
-0.03902	0.40016	0.152977	0.00091	0.504037	1.85E-31	0.611335	3.37E-49	0.799583
-0.07231	0.11864	0.036184	0.43534	0.220547	1.49E-06	0.258833	1.38E-08	0.586986
0.132756	0.00405	0.427489	3.60E-22	0.162193	0.00043	0.178272	0.00011	0.725916
-0.07458	0.10747	-0.01474	0.75067	0.171682	0.00019	0.24282	1.08E-07	0.721464
0.034278	0.45992	0.190954	3.27E-05	0.190942	3.27E-05	0.325669	5.33E-13	0.636039
-0.04371	0.34593	-0.02471	0.59436	0.37963	1.86E-17	0.275521	1.40E-09	0.53912
-0.06527	0.15905	0.055868	0.22819	0.249603	4.60E-08	0.373404	6.73E-17	0.773927
0.075457	0.1034	0.164008	0.00037	0.114491	0.0133	0.050129	0.27966	0.54809
-0.05456	0.23929	0.031792	0.49312	0.314915	3.28E-12	0.2482	5.49E-08	0.688939
0.120627	0.00907	0.384118	7.23E-18	0.205191	7.82E-06	0.166055	0.00031	0.563211
-0.02781	0.54891	0.1843	6.16E-05	0.137423	0.00292	0.2356	2.60E-07	0.664986
-0.1091	0.01835	-0.03261	0.48207	0.136536	0.00311	0.184739	5.92E-05	0.483613
0.016694	0.71899	0.328243	3.41E-13	0.082524	0.07481	0.209379	5.04E-06	0.514807
-0.04022	0.38587	-0.06944	0.13404	0.115982	0.01214	0.132744	0.00406	0.561067
0.021858	0.63753	0.274841	1.54E-09	0.138391	0.00273	0.172548	0.00018	0.484827
-0.00918	0.84318	0.237873	1.98E-07	0.163009	0.0004	0.264913	6.11E-09	0.473347
-0.0524	0.25838	0.065894	0.15511	0.310191	7.12E-12	0.385289	5.64E-18	0.523296
0.046409	0.31695	0.228009	6.36E-07	0.125508	0.00661	0.279861	7.51E-10	0.664806
-0.00259	0.95551	0.319059	1.64E-12	0.190279	3.49E-05	0.319807	1.45E-12	0.777296
-0.19032	3.48E-05	-0.14672	0.00148	0.232596	3.72E-07	0.490637	1.17E-29	0.554335
-0.08259	0.07458	0.017875	0.70003	0.161543	0.00046	0.244592	8.65E-08	0.641062
-0.10201	0.0275	0.02444	0.59833	0.291109	1.42E-10	0.240746	1.39E-07	0.578792

-0.12192	0.00835	0.088958	0.05472	0.33309	1.46E-13	0.374616	5.25E-17	0.653466
0.03409	0.46239	0.042723	0.35694	0.404992	7.36E-20	0.294945	7.93E-11	0.51014
0.014294	0.75802	0.310582	6.68E-12	0.116595	0.01169	0.321366	1.11E-12	0.506619
-0.00386	0.93373	-0.05925	0.20125	0.173428	0.00017	0.148471	0.00129	0.4675
0.131332	0.00447	0.278171	9.57E-10	0.062981	0.17423	0.032692	0.48095	0.493449
0.2983	4.72E-11	0.187714	4.46E-05	0.163104	0.0004	0.258174	1.51E-08	0.56584
-0.03368	0.46776	0.156709	0.00068	0.160745	0.00049	0.202403	1.04E-05	0.73145
-0.00173	0.97032	0.326509	4.61E-13	0.140882	0.00228	0.259668	1.24E-08	0.482263
0.211559	3.99E-06	0.602758	1.58E-47	0.083987	0.06978	0.198957	1.48E-05	0.446967
0.258029	1.54E-08	0.346371	1.31E-14	0.205558	7.53E-06	0.275241	1.45E-09	0.60119
0.184521	6.04E-05	0.500597	5.46E-31	0.153082	0.0009	0.44237	8.50E-24	0.50204
-0.10202	0.02749	0.065294	0.15891	0.137713	0.00286	0.326623	4.52E-13	0.549604
0.111517	0.01591	0.296621	6.13E-11	0.143184	0.00192	0.360869	8.25E-16	0.570143
-0.00169	0.97096	0.320229	1.35E-12	0.197568	1.70E-05	0.314197	3.69E-12	0.648922
-0.03225	0.48693	-0.02235	0.63002	0.153276	0.00089	0.175509	0.00014	0.594845
-0.04866	0.29403	-0.13085	0.00462	0.190825	3.31E-05	0.287696	2.37E-10	0.604629
-0.10514	0.02307	-0.02785	0.54832	0.454878	3.15E-25	0.48104	2.03E-28	0.697323
0.088176	0.0569	-0.05937	0.20029	0.020464	0.65915	-0.03306	0.47596	-0.00186
0.123276	0.00765	-0.10036	0.03012	-0.06303	0.17391	-0.05516	0.23414	-0.25861
0.033114	0.4753	-0.12794	0.00563	0.00913	0.844	0.009089	0.84469	0.006369
0.03702	0.42479	-0.01157	0.80315	0.003943	0.93227	0.010702	0.81758	-0.00073
0.011776	0.79964	-0.17524	0.00014	-0.0142	0.75963	-0.06266	0.17646	-0.14386
0.026571	0.5668	-0.11608	0.01206	-0.01392	0.76421	-0.02289	0.62171	-0.05522
0.100303	0.03022	0.029426	0.52586	-0.01306	0.77836	0.06275	0.17582	-0.13256
0.108002	0.01957	0.026904	0.56195	-0.01157	0.80312	0.012447	0.78849	-0.13258
0.271562	2.44E-09	0.228629	5.92E-07	-0.01743	0.70719	0.012064	0.79485	-0.01115
0.114369	0.0134	-0.03482	0.45287	-0.01729	0.70943	0.001937	0.9667	-0.10547
0.027324	0.55586	-0.04931	0.28761	0.009229	0.84233	-0.01531	0.74141	-0.00972
0.021718	0.6397	-0.12782	0.00567	-0.00498	0.91451	-0.01884	0.68468	-0.11433
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0.256498	1.88E-08	0.128561	0.0054	-0.01157	0.80302	-0.05425	0.24195	-0.02853
0.10992	0.01749	0.006612	0.88668	0.008436	0.85573	-0.00782	0.86609	-0.11402
0.262038	9.02E-09	0.07679	0.09743	-0.00127	0.97819	-0.01236	0.78985	-0.21517
0.250219	4.25E-08	0.106181	0.02174	-0.02068	0.65584	0.0144	0.75627	-0.12626
0.311866	5.42E-12	0.220907	1.43E-06	-0.00423	0.92737	-0.02114	0.64864	0.093948
0.166062	0.00031	0.043154	0.35212	-0.01197	0.79637	-0.02943	0.52578	-0.03151
0.205648	7.46E-06	0.13549	0.00335	-0.00426	0.92684	0.016654	0.71963	-0.00665
0.110311	0.01709	0.112251	0.01523	-0.00676	0.88413	-0.05672	0.22115	-2.35E-05
0.096895	0.03633	-0.08782	0.05791	0.04516	0.33016	-0.02627	0.57119	0.026445
0.183578	6.59E-05	-0.05261	0.25652	-0.03369	0.46761	-0.05845	0.20741	-0.19646
-0.0224	0.62927	-0.12119	0.00875	-0.01311	0.77756	0.018372	0.69212	-0.08613
-0.01112	0.8106	-0.0909	0.04963	-0.00274	0.95286	-0.03434	0.45906	-0.09619
0.07417	0.10944	-0.03583	0.43988	0.025822	0.57779	-0.02589	0.57685	0.02348
0.18843	4.17E-05	-0.11964	0.00966	-0.02929	0.52782	-0.0808	0.08112	-0.1399
-0.11601	0.01212	-0.20805	5.80E-06	-0.00511	0.91236	-0.02325	0.61626	-0.13049

0.157281	0.00065	0.094923	0.04032	0.026115	0.57349	-0.01381	0.76604	0.015301
0.019004	0.68209	-0.1485	0.00129	-0.01772	0.70255	-0.05058	0.27533	-0.05549
-0.00676	0.88413	-0.00799	0.86331	0.000225	0.99613	-0.03706	0.42433	0.04622
0.078921	0.08846	0.077168	0.09579	0.001587	0.97272	0.014652	0.75215	-0.13392
0.019631	0.6722	-0.09576	0.03858	0.003643	0.93742	-0.06035	0.19294	-0.0203
0.037663	0.41679	-0.15437	0.00082	-0.02788	0.54783	-0.08313	0.0727	-0.11487
0.01472	0.75104	-0.01929	0.67751	-0.01414	0.7606	-0.012	0.79584	-0.16768
0.032951	0.47748	-0.04388	0.34411	0.021596	0.64157	0.009653	0.83519	0.039482
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0.068374	0.14012	0.024553	0.59663	0.025892	0.57676	-0.00864	0.8522	0.051042
0.164434	0.00036	-0.01808	0.69682	0.005609	0.90378	-0.03778	0.41529	0.008731
0.002523	0.95664	-0.15745	0.00064	-0.00185	0.96814	-0.04805	0.30015	-0.00611
0.250924	3.88E-08	0.047794	0.3027	0.000232	0.99601	-0.04916	0.28909	-0.06027
0.111128	0.01628	0.026538	0.56729	0.018508	0.68994	0.024117	0.60316	0.038458
0.047613	0.30454	-0.0879	0.05769	0.08812	0.05705	0.014196	0.75963	0.085153
0.016983	0.71432	-0.08667	0.06127	0.002005	0.96553	0.03078	0.50698	-0.09483
-0.00462	0.92064	-0.12107	0.00882	-0.01896	0.68285	-0.03839	0.40787	-0.11013
0.085973	0.0634	-0.11662	0.01167	-0.03527	0.44697	-0.03097	0.50435	-0.10587
0.089494	0.05328	-0.06718	0.14722	0.057269	0.21672	0.006978	0.88046	0.041814
0.045321	0.32843	-0.07295	0.11541	0.00797	0.86361	-0.00204	0.96485	-0.02407
-0.04578	0.32355	0.031602	0.49571	-0.02752	0.55305	-0.03769	0.41645	-0.12058
0.209124	5.17E-06	0.249832	4.46E-08	-0.0039	0.93294	0.101044	0.02901	-0.01073
0.239222	1.68E-07	0.132713	0.00407	0.011099	0.81094	0.013454	0.77183	-0.0313
0.195432	2.11E-05	-0.06145	0.18496	-0.02433	0.59993	-0.06264	0.17656	-0.05965
0.369206	1.58E-16	0.01443	0.75579	-0.02602	0.5749	-0.07527	0.10425	-0.16549
-0.20354	9.28E-06	-0.30177	2.74E-11	-0.04263	0.35802	-0.0595	0.19934	-0.19461
0.071953	0.12048	0.110235	0.01717	0.029841	0.52004	0.146299	0.00152	0.03759
-0.08315	0.07263	-0.20617	7.07E-06	-0.03517	0.44833	-0.12367	0.00746	-0.1495
0.025854	0.57732	0.040997	0.37672	-0.06524	0.15928	-0.08281	0.0738	-0.18667
-0.01233	0.7904	-0.17263	0.00018	-0.05176	0.26431	-0.07808	0.09191	-0.06197
0.349503	7.29E-15	0.202242	1.06E-05	-0.04218	0.36315	-0.15212	0.00097	-0.08525
-0.11269	0.01483	-0.12536	0.00668	-0.0476	0.30467	-0.04856	0.29503	-0.1938
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-0.15958	0.00054	-0.43706	3.30E-23	-0.00492	0.9156	-0.02295	0.62083	-0.05496
0.044376	0.33863	-0.05466	0.2384	-0.05782	0.21234	-0.08149	0.07855	-0.11948
-0.09665	0.03681	-0.2505	4.10E-08	-0.01434	0.75733	-0.02069	0.65567	-0.0467
-0.26553	5.62E-09	-0.47268	2.28E-27	-0.05876	0.20499	-0.1099	0.01751	-0.18182
-0.18157	7.94E-05	-0.45772	1.46E-25	0.022591	0.62629	0.00751	0.87141	0.071995
0.096187	0.03772	0.011109	0.81077	-0.03641	0.43252	-0.0897	0.05273	-0.12619
-0.11528	0.01267	-0.31799	1.97E-12	-0.10734	0.02033	-0.13736	0.00293	-0.33273
0.077775	0.0932	-0.0196	0.67271	0.007015	0.87982	-0.03872	0.40378	0.016111
-0.25875	1.40E-08	-0.24446	8.80E-08	-0.04916	0.28905	0.00797	0.86362	-0.13869
0.246462	6.84E-08	0.18374	6.50E-05	0.006008	0.89697	-0.06733	0.14626	0.007738
-0.20151	1.14E-05	-0.49228	7.09E-30	-0.03901	0.40028	-0.1135	0.01412	-0.14092
0.136414	0.00314	0.064154	0.16633	-0.02785	0.54826	-0.13381	0.00377	-0.04557

-0.28396	4.13E-10	-0.06235	0.17862	-0.02277	0.62356	0.077856	0.09285	0.083595
-0.12086	0.00894	-0.15993	0.00052	-0.02028	0.66197	0.035187	0.4481	-0.1361
-0.19033	3.47E-05	-0.15961	0.00054	-0.00548	0.90597	0.070483	0.12827	-0.23224
-0.13866	0.00267	-0.08317	0.07255	-0.03184	0.4924	-0.02372	0.60915	-0.05733
-0.24123	1.31E-07	-0.4679	8.80E-27	-0.02501	0.58989	-0.07234	0.1185	-0.16829
-0.1521	0.00098	-0.18459	6.00E-05	-0.0109	0.81419	-0.02973	0.52164	-0.17113
-0.12233	0.00813	-0.13767	0.00287	-0.01702	0.7137	-0.02304	0.61939	-0.09826
-0.13726	0.00295	-0.17231	0.00018	0.034896	0.45186	-0.04453	0.33697	-0.02813
-0.03971	0.39186	-0.15243	0.00095	-0.0554	0.2321	-0.17597	0.00013	-0.08752
0.334064	1.23E-13	0.238631	1.80E-07	-0.0163	0.72539	-0.03992	0.38939	-0.07115
-0.18795	4.37E-05	-0.11835	0.01048	-0.03579	0.44031	-0.04379	0.34511	-0.07088
0.014596	0.75307	0.020643	0.65636	0.042553	0.35886	0.077495	0.09439	0.142978
-0.07448	0.10797	-0.36864	1.77E-16	0.055191	0.23389	0.18003	9.15E-05	0.056866
-0.07522	0.10451	-0.11807	0.01066	-0.01146	0.80485	-0.04828	0.29778	-0.0847
-0.03114	0.50201	-0.28629	2.93E-10	0.043776	0.34521	0.108744	0.01874	-0.06111
-0.15009	0.00114	-0.06003	0.19535	-0.00629	0.89223	0.017041	0.7134	-0.10425
-0.06853	0.13922	-0.05018	0.27922	-0.03278	0.47971	-0.02522	0.58666	-0.08618
-0.27308	1.97E-09	-0.20765	6.05E-06	-0.07895	0.08834	-0.08646	0.06191	-0.13948
-0.16723	0.00028	-0.20461	8.31E-06	-0.02394	0.60582	-0.02074	0.6548	-0.08681
-0.32238	9.37E-13	-0.34635	1.31E-14	-0.04135	0.37266	-0.04803	0.30034	-0.15328
-0.09021	0.0514	-0.23498	2.80E-07	-0.00582	0.9002	-0.03871	0.40393	-0.05039
0.14134	0.0022	0.10395	0.02468	0.02308	0.61884	-0.02748	0.55364	0.156316
-0.14197	0.0021	-0.22992	5.09E-07	-0.05972	0.19767	-0.10169	0.02799	-0.19736
-0.04161	0.36966	-0.04054	0.38207	0.020611	0.65685	0.024478	0.59776	-0.0258
-0.13331	0.0039	0.058354	0.20812	0.071413	0.1233	0.115942	0.01217	0.054203
-0.02625	0.57152	0.003152	0.94584	-0.07706	0.09625	-0.09827	0.03375	-0.12206
0.035066	0.44965	0.046381	0.31723	-0.03005	0.51719	-0.1299	0.00493	-0.02635
-0.26946	3.28E-09	-0.29352	9.86E-11	-0.00616	0.89441	-0.03895	0.401	-0.19649
-0.31712	2.27E-12	-0.34939	7.45E-15	-0.04611	0.32008	-0.05471	0.23803	-0.19327
-0.26701	4.59E-09	-0.1103	0.01711	-0.01426	0.75862	0.017652	0.7036	-0.05888
-0.31018	7.14E-12	-0.36368	4.75E-16	-0.02776	0.54951	0.034826	0.45277	-0.2259
-0.17666	0.00012	-0.14851	0.00129	-0.01003	0.82878	0.064718	0.16263	0.045318
-0.23573	2.56E-07	-0.20673	6.66E-06	-0.06838	0.14009	-0.05214	0.26084	-0.15633
0.114284	0.01347	-0.02084	0.65326	0.021577	0.64186	0.036792	0.42765	0.070124
-0.11563	0.0124	-0.18179	7.78E-05	0.024178	0.60225	0.014154	0.76031	-0.02664
-0.28196	5.54E-10	-0.21216	3.74E-06	-0.03736	0.4205	-0.00433	0.92572	-0.13609
-0.13388	0.00375	-0.22881	5.80E-07	-0.00425	0.92707	-0.03069	0.50824	-0.06741
-0.03998	0.38866	0.067552	0.14496	-0.07473	0.10679	-0.0685	0.1394	-0.13728
-0.12981	0.00496	-0.09088	0.04967	-0.05346	0.2489	-0.04185	0.36692	-0.11757
-0.10723	0.02046	-0.167	0.00029	-0.03248	0.48387	-0.05777	0.21271	-0.08385
-0.06575	0.15602	-0.07353	0.11255	-0.00254	0.95638	0.031279	0.50013	-0.03253
-0.09269	0.04528	-0.23526	2.71E-07	0.008805	0.84948	0.006034	0.89652	-0.09899
-0.04017	0.38645	0.132501	0.00413	-0.0227	0.62457	0.033384	0.47171	-0.09066
-0.1136	0.01404	-0.18235	7.39E-05	-0.01342	0.77239	0.062155	0.17996	1.30E-05
-0.18199	7.64E-05	-0.25368	2.72E-08	-0.01904	0.68152	-0.03005	0.51715	-0.16177

-0.12775	0.0057	-0.13386	0.00376	-0.01429	0.75805	-0.00268	0.95389	-0.07487
-0.11649	0.01176	0.040787	0.37918	0.001399	0.97595	0.012562	0.78659	0.133672
-0.31045	6.83E-12	-0.34254	2.65E-14	2.71E-05	0.99953	0.016284	0.72561	-0.08224
-0.11296	0.01459	-0.22128	1.37E-06	-0.00711	0.87816	0.071751	0.12153	-0.07029
-0.11005	0.01736	-0.06345	0.17104	-0.0144	0.75633	0.011266	0.80815	0.029817
-0.26745	4.32E-09	-0.24966	4.56E-08	0.015033	0.74593	0.071794	0.12131	0.102073
-0.15446	0.00081	-0.21826	1.92E-06	0.010382	0.82294	-0.05896	0.20345	0.037105
-0.19765	1.69E-05	-0.1087	0.01878	-0.01619	0.72716	-0.01046	0.82162	-0.06783
0.206317	6.96E-06	0.299071	4.19E-11	-0.05537	0.23235	-0.11564	0.01239	-0.00183
-0.19588	2.02E-05	-0.29083	1.48E-10	-0.02133	0.64576	-0.09539	0.03934	-0.21172
-0.24907	4.92E-08	-0.45741	1.59E-25	0.00553	0.90513	0.01867	0.68737	0.034817
-0.15413	0.00083	-0.38494	6.07E-18	-0.02384	0.60741	-0.09794	0.03436	-0.0679
-0.18335	6.73E-05	-0.35483	2.66E-15	-0.04687	0.31213	-0.13794	0.00281	-0.16138
-0.09925	0.032	-0.17249	0.00018	-0.01254	0.78697	-0.04148	0.37107	-0.12958
-0.08084	0.08095	-0.28748	2.45E-10	-0.04493	0.33268	-0.133	0.00399	-0.1103
-0.13775	0.00285	-0.16352	0.00039	0.018744	0.68621	0.018416	0.69141	0.023268
0.238899	1.74E-07	0.466925	1.16E-26	-0.02088	0.65269	-0.04723	0.3084	0.138048
-0.24195	1.20E-07	-0.34485	1.74E-14	-0.0827	0.07419	-0.03831	0.40881	-0.20363
-0.00793	0.86437	-0.30982	7.57E-12	-0.04059	0.38143	-0.10557	0.02251	-0.10483
-0.16144	0.00046	-0.18162	7.91E-05	0.020834	0.65338	-0.02632	0.57046	0.009636
-0.12378	0.0074	-0.32716	4.12E-13	-0.02648	0.56815	-0.15347	0.00088	-0.17621
-0.26739	4.35E-09	-0.15507	0.00077	-0.06985	0.13172	-0.07713	0.09595	-0.04828
-0.26628	5.07E-09	-0.36006	9.67E-16	-0.01135	0.80676	-0.03568	0.44179	-0.04577
-0.1311	0.00454	0.076508	0.09867	0.019654	0.67183	0.090489	0.05067	0.103916
0.013	0.77933	0.276035	1.30E-09	0.045849	0.32283	0.212178	3.73E-06	0.112089
-0.02032	0.66145	-0.04503	0.33152	-0.0266	0.56641	-0.0058	0.90059	-0.10792
-0.08323	0.07233	-0.04419	0.34062	0.00539	0.90751	0.029033	0.5314	-0.05769
-0.24829	5.43E-08	-0.43419	6.81E-23	-0.06773	0.14389	-0.11008	0.01733	-0.21943
-0.07523	0.10442	-0.10529	0.02287	0.036613	0.4299	0.056657	0.22168	-0.01038
-0.00807	0.86196	-0.2543	2.51E-08	0.026077	0.57404	0.019395	0.67591	0.033221
-0.05484	0.23685	-0.02619	0.57244	0.056549	0.22257	0.212868	3.47E-06	-0.04055
-0.15054	0.0011	-0.2402	1.49E-07	-0.02965	0.52265	-0.01713	0.7119	-0.00883
-0.12502	0.00683	-0.35071	5.81E-15	-0.04022	0.38582	-0.1316	0.00439	-0.14769
0.093417	0.04362	-0.12603	0.00639	-0.0252	0.58696	-0.11414	0.01359	-0.09002
0.297806	5.10E-11	0.050655	0.27465	-0.04312	0.35247	-0.11959	0.00969	-0.01003
-0.05932	0.20066	-0.37185	9.24E-17	-0.04072	0.37991	-0.1554	0.00075	-0.09816
-0.23219	3.90E-07	-0.13081	0.00463	-0.03448	0.45729	-0.00804	0.86241	-0.11314
-0.18511	5.71E-05	-0.10851	0.019	-0.02	0.66641	0.002656	0.95435	-0.09415
-0.1866	4.97E-05	-0.1136	0.01404	-0.01403	0.76239	-0.01002	0.82905	-0.10591
-0.24828	5.44E-08	-0.37983	1.78E-17	-0.01284	0.78193	-0.03316	0.47463	-0.26024
-0.05393	0.24476	0.022894	0.62168	-0.00717	0.87713	0.018825	0.68492	0.019339
-0.30149	2.87E-11	-0.20618	7.05E-06	-0.03197	0.49064	0.020552	0.65778	-0.11647
-0.15725	0.00065	-0.14696	0.00145	-0.03182	0.49272	-0.00915	0.84374	-0.05287
-0.0476	0.30463	-0.10611	0.02183	-0.02268	0.62486	-0.0177	0.70286	-0.02191
-0.30036	3.42E-11	-0.2886	2.08E-10	-0.01244	0.78866	0.000138	0.99763	-0.10789

0.261452	9.76E-09	0.213267	3.32E-06	0.013958	0.76353	0.053267	0.25062	-0.02868
-0.09465	0.04091	-0.05903	0.20289	0.016941	0.715	0.007818	0.86619	0.125592
-0.12271	0.00794	-0.11076	0.01664	-0.03458	0.45598	-0.01729	0.70946	-0.03099
-0.19292	2.70E-05	-0.14709	0.00144	-0.0306	0.50946	-0.01281	0.78253	-0.16617
-0.34408	2.00E-14	-0.28551	3.29E-10	-0.0229	0.62159	0.008176	0.86012	-0.05255
-0.21374	3.15E-06	-0.22137	1.36E-06	-0.03093	0.50498	-0.08619	0.06275	-0.14489
-0.29907	4.19E-11	-0.19201	2.95E-05	-0.00252	0.95662	0.045371	0.3279	-0.06546
-0.20536	7.69E-06	-0.05155	0.26627	0.009097	0.84455	0.036665	0.42924	-0.0379
-0.19218	2.90E-05	-0.32925	2.86E-13	-0.02473	0.59392	-0.04255	0.35894	-0.08177
-0.1741	0.00016	-0.08603	0.06324	-0.033	0.47682	-0.01152	0.80398	-0.10054
-0.30146	2.88E-11	-0.18991	3.62E-05	-0.04893	0.29138	-0.05926	0.20113	-0.11826
-0.26634	5.03E-09	-0.2375	2.07E-07	-0.00969	0.83464	0.01941	0.67568	-0.06851
-0.2901	1.66E-10	-0.27511	1.48E-09	-0.03366	0.46809	-0.02129	0.64631	-0.15164
0.000111	0.99809	0.266594	4.86E-09	0.01992	0.66765	0.035288	0.44679	0.086028
-0.24791	5.70E-08	-0.18353	6.62E-05	-0.01204	0.79518	-0.01881	0.68518	-0.13052
-0.28586	3.12E-10	-0.02099	0.65096	0.029499	0.52484	0.087074	0.06008	0.186096
-0.08417	0.06917	-0.06445	0.16437	-0.04395	0.34324	-0.05056	0.27554	-0.10911
-0.23412	3.10E-07	-0.15088	0.00107	-0.03075	0.50735	0.006389	0.89048	-0.18166
-0.19141	3.13E-05	-0.25233	3.24E-08	-0.04317	0.35195	-0.0267	0.56495	-0.06479
-0.12434	0.00714	-0.29016	1.64E-10	-0.03173	0.49395	-0.12987	0.00494	-0.10564
-0.05942	0.19993	-0.39071	1.76E-18	-0.00325	0.94408	-0.07949	0.08619	-0.17277
-0.32251	9.16E-13	-0.18657	4.98E-05	-0.03284	0.47896	-0.01341	0.77248	-0.0629
-0.18309	6.90E-05	-0.3045	1.78E-11	-0.04898	0.29087	-0.02127	0.64664	-0.28108
-0.17657	0.00013	0.029015	0.53167	-0.02256	0.62684	0.012277	0.79131	-0.09064
-0.25261	3.13E-08	-0.36194	6.69E-16	0.021138	0.64866	0.052942	0.25353	0.123184
-0.2883	2.17E-10	-0.30371	2.02E-11	-0.04738	0.30692	-0.06855	0.13909	-0.16586
-0.18177	7.80E-05	-0.20139	1.16E-05	-0.01809	0.69663	-0.03332	0.4726	-0.08296
-0.11681	0.01153	-0.12814	0.00555	-0.01494	0.74744	-0.02099	0.65103	-0.05321
-0.13253	0.00412	-0.11671	0.01161	0.005936	0.89819	-0.00369	0.93653	0.017554
-0.14059	0.00232	-0.20609	7.12E-06	-0.00701	0.87984	-0.0367	0.42885	-0.12689
0.163264	0.0004	0.071296	0.12392	-0.00973	0.83397	-0.05963	0.19833	-0.04078
-0.19614	1.97E-05	-0.18134	8.11E-05	-0.02725	0.55688	-0.07602	0.10084	-0.10729
-0.28453	3.79E-10	-0.09817	0.03393	-0.01912	0.68023	0.005237	0.91014	-0.085
-0.27942	8.00E-10	-0.33221	1.70E-13	-0.01707	0.71291	-0.00278	0.9523	-0.06249
-0.08371	0.0707	-0.18881	4.02E-05	0.00146	0.9749	-0.04997	0.28123	0.022421
-0.06033	0.19311	-0.01871	0.68674	-0.0204	0.66021	0.006869	0.88231	-0.04337
-0.18708	4.74E-05	-0.15598	0.00072	-0.05216	0.26064	-0.11379	0.01387	-0.19665
-0.14265	0.002	-0.08281	0.0738	-0.01465	0.75212	-0.02276	0.62374	-0.12503
-0.1361	0.00321	-0.28759	2.41E-10	-0.01384	0.76551	-0.09519	0.03976	-0.09135
0.06909	0.13601	-0.03868	0.40429	-0.01926	0.67803	-0.03115	0.50185	-0.06568
0.144013	0.00181	-0.2435	9.91E-08	-0.00274	0.95291	-0.11145	0.01598	-0.04054
-0.24022	1.49E-07	-0.32523	5.75E-13	-0.01677	0.71777	-0.09328	0.04392	-0.04158
0.013946	0.76374	0.156794	0.00067	0.119528	0.00973	0.178546	0.0001	0.382444
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-0.18485	5.86E-05	0.028144	0.54405	0.003711	0.93625	0.059809	0.19699	-0.01769



-0.07173	0.12163	-0.04411	0.34155	-0.04971	0.28367	-0.08113	0.07986	-0.13091
-0.23086	4.56E-07	-0.23749	2.07E-07	-0.0354	0.44541	0.004768	0.91815	-0.03533
-0.21111	4.19E-06	-0.21178	3.90E-06	-0.04128	0.37338	-0.09698	0.03617	-0.16233
-0.28704	2.62E-10	-0.39777	3.73E-19	-0.0704	0.12872	-0.11553	0.01248	-0.1313
-0.23756	2.05E-07	-0.15544	0.00075	0.009838	0.83208	0.10285	0.02625	0.090131
-0.13728	0.00295	-0.35132	5.18E-15	-0.03944	0.39512	-0.08646	0.06191	-0.1525
-0.21042	4.51E-06	-0.37313	7.12E-17	-0.03789	0.41402	-0.0761	0.1005	-0.12078
0.312981	4.51E-12	0.262924	8.00E-09	-0.02979	0.52074	-0.04161	0.36968	0.147165
-0.20988	4.77E-06	-0.19402	2.42E-05	0.063898	0.16803	0.084558	0.0679	0.056379
-0.17751	0.00012	-0.21058	4.43E-06	-0.00694	0.8811	-0.01064	0.81865	-0.04122
-0.25017	4.27E-08	-0.27703	1.13E-09	-0.03081	0.50664	-0.01668	0.71918	-0.12763
-0.10295	0.02611	-0.14806	0.00133	0.023281	0.61579	0.02194	0.63628	0.03878
-0.31945	1.54E-12	-0.40211	1.41E-19	-0.05066	0.27458	-0.07373	0.11154	-0.1816
-0.15725	0.00065	-0.04702	0.31065	-0.00904	0.84546	0.000314	0.99461	-0.0374
-0.28531	3.39E-10	-0.35968	1.04E-15	-0.05613	0.226	-0.06617	0.15336	-0.1673
-0.30872	9.04E-12	-0.30674	1.24E-11	-0.00494	0.9152	0.160751	0.00049	-0.04087
-0.153	0.00091	0.112739	0.01479	0.039586	0.39338	0.046083	0.32036	0.000726
-0.16687	0.00029	-0.12085	0.00894	-0.01109	0.81105	-0.04422	0.3403	-0.08496
-0.23707	2.18E-07	-0.1579	0.00062	0.01172	0.80058	0.058137	0.20983	0.001551
0.140937	0.00227	0.027236	0.55713	0.05056	0.27555	0.069044	0.13627	-0.00512
-0.12896	0.00525	-0.04187	0.36666	0.010424	0.82224	0.027452	0.55402	0.000338
0.18473	5.92E-05	0.016142	0.7279	-0.03468	0.45467	-0.12195	0.00834	-0.08706
-0.29561	7.16E-11	-0.20983	4.80E-06	-0.01246	0.78824	-0.04267	0.35752	-0.09447
-0.11599	0.01213	0.021623	0.64116	-0.04016	0.3865	-0.03264	0.48159	0.00943
0.041166	0.37476	-0.00991	0.83095	-0.04778	0.30279	-0.03679	0.42768	-0.0208
-0.10849	0.01902	-0.00298	0.94884	-0.01261	0.78585	0.009082	0.84481	-0.08442
-0.07257	0.11734	-0.06622	0.15305	-0.0819	0.07704	-0.14193	0.00211	-0.19281
-0.16706	0.00029	-0.22909	5.61E-07	-0.00517	0.91124	0.048341	0.2972	-0.02355
-0.2302	4.93E-07	-0.19809	1.62E-05	-0.05067	0.2745	-0.01311	0.77754	0.0015
0.369306	1.55E-16	0.213615	3.20E-06	-0.07901	0.08809	-0.18115	8.26E-05	-0.0117
-0.26633	5.04E-09	-0.41037	2.14E-20	-0.04225	0.36225	-0.0808	0.08113	-0.16392
-0.21392	3.09E-06	-0.2865	2.84E-10	0.056269	0.22487	0.003555	0.93892	-0.05927
-0.22833	6.13E-07	-0.1589	0.00057	-0.06825	0.14083	-0.07947	0.08627	-0.16765
-0.0554	0.23213	0.01084	0.81527	-0.01332	0.77404	0.057857	0.21203	-0.02826
-0.41604	5.68E-21	-0.41952	2.48E-21	-0.032	0.49023	-0.0395	0.39435	-0.07432
-0.07031	0.12918	-0.19708	1.79E-05	0.020223	0.66291	-0.02398	0.6052	-0.00599
-0.09158	0.04794	-0.24329	1.02E-07	-0.04219	0.36304	-0.09256	0.04559	-0.09021
0.297754	5.14E-11	0.106934	0.02082	0.005835	0.89992	-0.04912	0.28942	-0.01411
0.324036	7.06E-13	0.28841	2.13E-10	0.06303	0.1739	0.097213	0.03572	0.192193
0.275832	1.34E-09	0.167363	0.00028	-0.01986	0.66857	-0.10798	0.0196	0.127624
-0.02761	0.55177	-0.03242	0.48462	-0.00757	0.87037	0.025011	0.5898	-0.01259
-0.34009	4.15E-14	-0.29481	8.10E-11	-0.08686	0.0607	-0.03598	0.4379	-0.10164
-0.06956	0.13338	0.076555	0.09846	-0.02586	0.57721	0.031824	0.49268	-0.03108
-0.09352	0.04339	-0.1319	0.0043	-0.0636	0.17003	-0.11583	0.01225	-0.11077
-0.04787	0.30189	-0.24878	5.11E-08	-0.00075	0.98707	-0.11766	0.01094	-0.0516

-0.22651	7.56E-07	-0.24031	1.47E-07	0.045822	0.32311	0.040216	0.38589	0.103288
-0.03967	0.39242	-0.22897	5.69E-07	0.014379	0.75662	-0.04458	0.33642	-0.02946
-0.1917	3.04E-05	-0.13794	0.00282	0.032991	0.47695	0.105797	0.02222	0.0269
-0.16747	0.00028	-0.22735	6.87E-07	-0.03028	0.51385	-0.01722	0.71059	-0.06544
-0.08447	0.06819	-0.14801	0.00134	-0.00696	0.88068	-0.07239	0.11825	-0.05955
-0.16326	0.0004	-0.06312	0.1733	0.01124	0.80859	0.088071	0.05719	0.027647
-0.29383	9.41E-11	-0.52008	1.01E-33	-0.07174	0.12157	-0.12323	0.00767	-0.1578
-0.17904	0.0001	-0.23684	2.24E-07	-0.04428	0.33973	-0.05429	0.24166	-0.1583
-0.23491	2.82E-07	-0.29531	7.50E-11	-0.04434	0.33905	-0.04976	0.28322	-0.1333
-0.14175	0.00214	-0.23606	2.46E-07	-0.01978	0.6699	-0.07712	0.09598	-0.07072
-0.03971	0.39189	-0.29702	5.76E-11	-0.00501	0.91394	-0.03846	0.40698	-0.13747
-0.15378	0.00086	-0.17793	0.00011	-0.02268	0.62495	0.098058	0.03413	-0.24809
-0.20879	5.36E-06	0.096997	0.03613	0.087311	0.05938	0.168974	0.00024	0.111719
-0.13169	0.00436	-0.08284	0.07369	-0.00897	0.84668	0.04669	0.31402	0.039523
0.13882	0.00264	0.069466	0.13388	-0.0427	0.35717	-0.03013	0.51598	-0.05292
-0.21882	1.81E-06	-0.16813	0.00026	0.004649	0.92018	0.03131	0.4997	-0.06769
-0.16587	0.00032	-0.18508	5.73E-05	-0.00161	0.97239	0.032254	0.48686	-0.12378
-0.17346	0.00017	-0.21973	1.63E-06	-0.04034	0.38437	-0.04424	0.34009	-0.13847
-0.10649	0.02136	-0.15549	0.00075	-0.01716	0.71143	-0.0205	0.65853	-0.05116
-0.09833	0.03363	-0.22448	9.54E-07	-0.02902	0.53164	-0.06565	0.15665	-0.03803
-0.04358	0.34735	-0.30345	2.10E-11	-0.08394	0.06994	-0.17639	0.00013	-0.17432
-0.15151	0.00102	-0.16413	0.00037	-0.00911	0.84437	0.026984	0.56079	0.03756
-0.03389	0.46497	0.108579	0.01892	-0.05338	0.2496	-0.08856	0.05582	-0.10877
-0.06284	0.17517	0.040918	0.37765	0.024672	0.59485	0.014736	0.75077	0.040274
-0.0632	0.17272	-0.29634	6.39E-11	-0.00133	0.97714	-0.02265	0.62542	0.0033
-0.23427	3.05E-07	-0.16904	0.00024	-0.00291	0.95004	0.000619	0.98936	-0.08253
-0.15146	0.00103	-0.08633	0.0623	-0.03217	0.48794	-0.03382	0.46593	-0.00825
-0.01503	0.74604	-0.29303	1.06E-10	-0.00636	0.89091	-0.06397	0.16756	-0.09887
-0.22144	1.35E-06	-0.217	2.21E-06	-0.00018	0.99699	-0.00756	0.87061	-0.06563
-0.23968	1.59E-07	-0.24405	9.26E-08	-0.06763	0.14451	-0.04855	0.29512	-0.13332
-0.08066	0.08164	-0.27678	1.17E-09	-0.0099	0.83112	-0.08102	0.08029	7.60E-05
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-0.26245	8.53E-09	-0.35257	4.09E-15	-0.05984	0.19672	-0.11228	0.0152	-0.14968
-0.22012	1.56E-06	-0.22096	1.42E-06	-0.00245	0.95792	0.048179	0.29882	0.140301
-0.21883	1.80E-06	-0.08841	0.05624	-0.02253	0.62727	0.023697	0.60949	-0.03617
-0.16338	0.00039	-0.05846	0.2073	-0.03979	0.39096	-0.00206	0.96451	-0.07979
-0.23874	1.78E-07	-0.48046	2.41E-28	-0.03805	0.41201	-0.05663	0.22194	-0.1662
-0.35251	4.14E-15	-0.33723	6.97E-14	-0.0532	0.25123	-0.04071	0.38002	-0.16095
-0.33201	1.77E-13	-0.2305	4.76E-07	-0.00259	0.9555	0.039428	0.39528	-0.06031
-0.13926	0.00256	-0.20935	5.05E-06	0.038373	0.40804	0.022778	0.62345	-0.00145
0.38833	2.94E-18	0.25852	1.44E-08	0.034846	0.45251	0.017588	0.70462	-0.02112
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-0.20405	8.80E-06	-0.05571	0.22953	-0.09708	0.03597	-0.04338	0.3496	-0.14302
-0.1192	0.00993	-0.15231	0.00096	-0.01738	0.70799	-0.03477	0.45355	-0.14649
-0.25194	3.41E-08	-0.22615	7.89E-07	-0.02001	0.66623	-0.00643	0.88977	-0.0827

0.075973	0.10106	0.128451	0.00544	0.0279	0.54755	0.1071	0.02062	0.065532
-0.23197	4.00E-07	-0.35736	1.63E-15	-0.0646	0.16339	-0.05757	0.21435	-0.19973
0.073683	0.11179	0.107041	0.02069	0.013315	0.77413	0.03682	0.4273	0.036058
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0.346933	1.18E-14	0.460947	6.06E-26	0.023541	0.61185	0.062356	0.17855	0.010734
0.325552	5.44E-13	0.081482	0.07857	-0.07421	0.10924	-0.12558	0.00658	-0.07019
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0.060689	0.19047	0.110692	0.01671	-0.04941	0.28666	-0.06703	0.14808	0.000599
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0.259848	1.21E-08	-0.02891	0.53321	-0.05845	0.20741	-0.10932	0.01812	-0.1018
0.062321	0.1788	-0.01415	0.76032	-0.01575	0.7342	-0.01612	0.7282	0.026907
-0.26052	1.11E-08	-0.14039	0.00236	-0.03505	0.44985	0.00114	0.98039	-0.05926
-0.12368	0.00745	-0.2779	9.95E-10	-0.066	0.15444	-0.11971	0.00961	-0.16147
-0.23349	3.34E-07	-0.2829	4.83E-10	-0.02084	0.65324	-0.02774	0.54984	-0.00859
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-0.13833	0.00274	-0.13857	0.00269	-0.01106	0.81153	-0.00087	0.9851	-0.00668
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0.040024	0.38816	0.425778	5.47E-22	0.039214	0.39784	0.048943	0.29121	0.113328
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0.112567	0.01494	0.134364	0.00363	0.03374	0.46699	0.070142	0.13013	0.133402
-0.33663	7.76E-14	-0.28107	6.30E-10	-0.03461	0.45561	-0.00051	0.99121	-0.02861
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-0.20094	1.21E-05	-0.34176	3.07E-14	-0.03141	0.49831	-0.068	0.1423	-0.09231
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-0.18464	5.97E-05	-0.31317	4.38E-12	-0.02705	0.5599	-0.07086	0.12623	-0.13312
-0.28713	2.59E-10	-0.2409	1.37E-07	-0.0289	0.53329	0.006117	0.89511	-0.13889
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-0.02362	0.61069	0.022682	0.62491	0.030546	0.51022	0.092877	0.04485	0.175186
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-0.41529	6.77E-21	-0.4611	5.81E-26	-0.03911	0.39913	0.011978	0.79628	-0.06534
-0.25989	1.20E-08	-0.22767	6.62E-07	-0.0294	0.52621	-0.04338	0.34956	-0.03936
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-0.14945	0.0012	-0.13703	0.003	-0.02961	0.52321	-0.01075	0.81674	-0.10718

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0.003024	0.94804	-0.11671	0.0116	-0.00982	0.83232	-0.04846	0.29597	-0.03078
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0.23582	2.53E-07	0.15228	0.00096	0.012398	0.7893	-0.00934	0.84048	0.143716
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0.144442	0.00175	-0.05717	0.21755	-0.02896	0.53241	-0.17325	0.00017	-0.05911
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-0.10026	0.0303	-0.22201	1.26E-06	-0.01624	0.72625	-0.01163	0.80204	-0.02658
-0.20318	9.63E-06	-0.16836	0.00026	-0.0309	0.50528	-0.06593	0.15486	-0.14168
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-0.09099	0.0494	-0.19757	1.70E-05	0.003045	0.94768	-0.00957	0.83655	0.071506
0.152884	0.00092	0.203193	9.62E-06	0.030064	0.51693	0.043438	0.34895	0.036986
0.217261	2.15E-06	0.372545	8.02E-17	0.020184	0.66352	-0.07512	0.10497	0.173249
-0.31442	3.56E-12	-0.22177	1.30E-06	0.0041	0.92959	0.064314	0.16528	-0.09109
-0.23106	4.46E-07	-0.25318	2.90E-08	-0.02545	0.58322	-0.10197	0.02757	-0.11441
-0.13241	0.00415	-0.14656	0.00149	0.043153	0.35212	0.125832	0.00647	0.008484
-0.0014	0.97598	-0.14898	0.00124	0.010983	0.81287	-0.07358	0.1123	-0.03693
-0.15824	0.0006	-0.27172	2.39E-09	-0.00835	0.8571	-0.06874	0.13798	-0.08639
-0.12334	0.00762	-0.23167	4.15E-07	-0.04459	0.33628	-0.09028	0.0512	-0.14681
-0.0922	0.04644	-0.22968	5.24E-07	-0.04432	0.33928	-0.12825	0.00551	-0.10916
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-0.03098	0.50421	0.127991	0.00561	-0.02485	0.5922	-0.02889	0.53338	-0.05511
-0.25022	4.25E-08	-0.27332	1.91E-09	0.004857	0.91663	0.005404	0.90729	-0.09746
-0.06622	0.15306	-0.00399	0.93142	0.006762	0.88413	-0.04472	0.33494	0.081594
-0.18091	8.44E-05	-0.46064	6.60E-26	-0.05807	0.21033	-0.08901	0.05458	-0.18903
-0.14976	0.00117	-0.23842	1.85E-07	-0.06669	0.1502	-0.09269	0.04529	-0.22853
-0.17874	0.0001	-0.26335	7.56E-09	-0.09778	0.03464	-0.09994	0.03083	-0.16264
-0.22514	8.85E-07	-0.28043	6.91E-10	-0.03092	0.50511	-0.04307	0.353	-0.10761
-0.22609	7.94E-07	-0.07653	0.09856	-0.06364	0.16979	-0.12703	0.00598	-0.11471
-0.14361	0.00186	-0.26919	3.40E-09	0.022722	0.6243	0.028608	0.53744	0.179631
0.120768	0.00899	0.21464	2.86E-06	0.122995	0.00779	0.086228	0.06262	0.324129
-0.14525	0.00165	-0.45124	8.34E-25	0.006235	0.89311	-0.09005	0.05181	-0.10265
-0.21226	3.70E-06	-0.19317	2.64E-05	0.032524	0.48321	0.119475	0.00976	0.117363
-0.22214	1.25E-06	-0.14439	0.00176	0.051063	0.27079	0.138552	0.00269	0.080583

-0.34258	2.64E-14	-0.20823	5.69E-06	0.052448	0.25799	0.142829	0.00197	0.14304
-0.23251	3.75E-07	-0.1297	0.005	0.011487	0.80447	0.019918	0.66769	-0.06565
-0.22492	9.08E-07	-0.26772	4.16E-09	0.069156	0.13563	0.216888	2.24E-06	0.180384
0.029822	0.52031	-0.10225	0.02714	0.012297	0.79099	0.005876	0.89922	-0.08918
-0.15461	0.0008	-0.03298	0.47714	0.026934	0.56151	0.116012	0.01211	0.042281
-0.2208	1.45E-06	-0.34944	7.38E-15	-0.05139	0.26773	-0.1125	0.015	-0.14244
-0.16708	0.00029	-0.2742	1.69E-09	-0.03274	0.48031	-0.02803	0.54565	-0.11082
-0.23613	2.44E-07	-0.10884	0.01864	-0.03181	0.49285	-0.00612	0.89507	-0.09423
-0.12345	0.00757	-0.1834	6.70E-05	-0.06318	0.17285	-0.112	0.01546	-0.11703
-0.14836	0.0013	-0.00774	0.86758	-0.0497	0.28383	0.002382	0.95906	-0.0493
0.033739	0.46701	0.141645	0.00215	0.034621	0.45544	0.143207	0.00192	0.135271
-0.17691	0.00012	0.02572	0.5793	-0.03656	0.43059	-0.02747	0.55371	-0.12553
-0.10286	0.02623	0.044482	0.33747	0.081125	0.07989	0.165972	0.00032	0.129345
-0.1217	0.00847	-0.28527	3.40E-10	-0.05301	0.25288	-0.10741	0.02025	-0.01675
-0.26162	9.53E-09	-0.33638	8.11E-14	-0.06584	0.15543	-0.11731	0.01118	-0.18804
-0.02643	0.56887	-0.00847	0.85522	-0.06289	0.17482	-0.08524	0.06569	-0.10557
0.054079	0.24346	0.069733	0.13239	0.03592	0.43869	0.042205	0.36281	0.09794
-0.05577	0.229	-0.23265	3.69E-07	-0.06243	0.17806	-0.03722	0.42229	-0.21826
-0.00441	0.92434	-0.06657	0.15094	-0.00938	0.83974	-0.0185	0.69012	0.013268
-0.11238	0.01511	-0.4233	9.98E-22	-0.02782	0.54874	-0.1874	4.60E-05	-0.17412
0.063815	0.16858	-0.06708	0.14777	0.01212	0.79392	-0.03538	0.44562	0.081331
-0.27329	1.92E-09	-0.2472	6.23E-08	-0.0325	0.48356	-0.03532	0.44634	-0.11449
-0.17962	9.50E-05	-0.1596	0.00054	-0.09406	0.04218	-0.02995	0.51848	-0.18085
-0.26597	5.29E-09	-0.31555	2.95E-12	-0.03908	0.39946	0.044571	0.33651	-0.17334
-0.17965	9.48E-05	-0.26168	9.46E-09	-0.10056	0.02979	-0.18215	7.53E-05	-0.16761
-0.05237	0.2587	0.030872	0.50572	-0.0084	0.85627	0.058297	0.20858	-0.00062
-0.19024	3.50E-05	-0.21116	4.16E-06	-0.03369	0.46762	0.023665	0.60998	-0.09024
-0.19124	3.18E-05	-0.0733	0.11369	-0.00939	0.83957	0.084031	0.06964	-0.07874
-0.11039	0.01701	0.009351	0.84028	-0.00257	0.95589	0.01816	0.69549	-0.00836
-0.19197	2.96E-05	-0.4004	2.08E-19	-0.04315	0.35211	-0.17453	0.00015	-0.14933
-0.09752	0.03514	-0.06554	0.15736	-0.05828	0.20874	-0.09752	0.03514	-0.14823
-0.11212	0.01535	-0.41095	1.87E-20	-0.01453	0.75418	-0.03374	0.46695	-0.07411
-0.10701	0.02072	-0.08658	0.06155	-0.00764	0.86922	-0.01603	0.72965	-0.0239
-0.20797	5.85E-06	-0.13523	0.00341	-0.05193	0.26275	-0.04667	0.31425	-0.16357
-0.14333	0.0019	-0.22022	1.55E-06	-0.05417	0.24267	-0.06852	0.13928	-0.14868
-0.101	0.02908	-0.05368	0.24692	0.051823	0.26371	0.159848	0.00053	0.042675
-0.21119	4.15E-06	-0.06418	0.16616	-0.01097	0.81303	0.037511	0.41867	-0.09729
0.177869	0.00011	0.19092	3.28E-05	0.036701	0.4288	0.042052	0.36456	0.211494
-0.15642	0.00069	-0.08532	0.06543	-0.00898	0.84661	0.022121	0.63349	0.022644
0.051333	0.26827	-0.13654	0.00311	-0.00997	0.82985	-0.07524	0.10442	-0.01293
-0.23812	1.92E-07	-0.32951	2.74E-13	-0.08577	0.06404	-0.06565	0.15663	-0.11756
-0.23119	4.39E-07	-0.10531	0.02284	-0.10995	0.01746	-0.05517	0.23406	-0.26081
-0.19134	3.15E-05	-0.24668	6.66E-08	0.064084	0.16679	0.134346	0.00363	0.115236
-0.15599	0.00072	-0.09452	0.04117	-0.00081	0.986	0.012027	0.79547	-0.07052
0.100217	0.03036	0.022676	0.62499	-0.01219	0.79271	-0.10491	0.02337	-0.02396

-0.27298	2.00E-09	-0.1392	0.00257	-0.01708	0.71278	0.016186	0.72719	-0.07747
-0.27955	7.85E-10	-0.174	0.00016	-0.01834	0.69255	0.043953	0.34325	-0.14185
-0.03449	0.45718	-0.03651	0.43123	0.045491	0.32662	0.08864	0.0556	0.045584
0.251228	3.73E-08	0.485226	5.91E-29	0.050015	0.28076	0.0209	0.65235	0.087073
0.194238	2.37E-05	-0.15669	0.00068	-0.04085	0.37846	-0.09081	0.04986	-0.22224
0.034246	0.46034	-0.06484	0.16185	0.021809	0.63828	0.044771	0.33434	0.113746
-0.05956	0.19885	0.148033	0.00134	-0.0278	0.54895	0.006232	0.89316	-0.07419
-0.23852	1.83E-07	-0.35958	1.06E-15	-0.02975	0.52135	-0.05365	0.24727	-0.14614
0.278292	9.41E-10	-0.03306	0.47596	0.011763	0.79986	-0.1047	0.02365	0.029256
-0.17839	0.00011	-0.14939	0.0012	-0.02621	0.57214	0.008879	0.84823	-0.06053
-0.09962	0.03137	-0.11308	0.01448	-0.01957	0.67319	-0.01996	0.66709	-0.08395
-0.1586	0.00058	-0.19466	2.27E-05	-0.01726	0.70995	-0.03705	0.42436	-0.0876
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-0.23974	1.57E-07	-0.33832	5.72E-14	0.006979	0.88043	0.017136	0.71186	0.02333
-0.16673	0.0003	-0.09195	0.04705	-0.01547	0.73881	-0.02261	0.62598	-0.10818
-0.10649	0.02135	-0.15532	0.00076	-0.01724	0.7102	-0.02446	0.59801	-0.04536
-0.20934	5.06E-06	-0.29148	1.35E-10	-0.03745	0.41945	-0.06105	0.18785	-0.17027
-0.21824	1.92E-06	-0.24544	7.78E-08	-0.029	0.53182	-0.04408	0.34187	-0.12476
-0.32457	6.44E-13	-0.29962	3.85E-11	-0.04125	0.37382	-0.06317	0.17292	-0.17941
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0.018346	0.69253	-0.00781	0.86627	0.018827	0.68489	-6.03E-05	0.99896	-0.02052
-0.28709	2.60E-10	-0.215	2.75E-06	-0.033	0.47688	-0.01938	0.67618	-0.1286
-0.22659	7.50E-07	-0.31246	4.92E-12	-0.01233	0.79048	-0.00231	0.96024	-0.17771
0.09858	0.03319	-0.06034	0.19307	-0.03558	0.44307	-0.17129	0.0002	-0.14587
-0.19686	1.83E-05	-0.37924	2.02E-17	-0.0325	0.48351	-0.06313	0.1732	-0.20314
-0.25027	4.22E-08	-0.21062	4.41E-06	0.00313	0.94622	0.031817	0.49277	-0.04475
-0.16708	0.00029	-0.17844	0.00011	-0.02755	0.55258	-0.0298	0.52058	-0.09421
-0.12777	0.00569	-0.18126	8.17E-05	0.008992	0.84633	-0.01857	0.68894	-0.02379
-0.1932	2.63E-05	-0.14987	0.00116	-0.01916	0.67968	0.065043	0.16052	-0.11538
-0.14024	0.00239	-0.28959	1.79E-10	-0.0582	0.20931	-0.13587	0.00326	-0.12118
-0.10118	0.02879	-0.06069	0.19045	-0.0618	0.18244	-0.07776	0.09324	-0.09861
-0.1203	0.00926	-0.09937	0.03179	-0.03679	0.4277	-0.02607	0.57419	-0.08036
0.035753	0.44082	0.087635	0.05844	0.061248	0.18641	0.081632	0.07802	0.152405
-0.21594	2.48E-06	0.063382	0.1715	0.017756	0.70193	0.178311	0.00011	-0.02083
-0.2183	1.91E-06	-0.34429	1.92E-14	-0.07505	0.10526	-0.06	0.19556	-0.12379
-0.18563	5.44E-05	-0.01425	0.75871	0.033573	0.4692	0.075378	0.10376	-0.03277
-0.11558	0.01244	-0.12274	0.00792	-0.05055	0.27561	-0.04526	0.3291	-0.05857
-0.30451	1.78E-11	-0.26234	8.66E-09	0.024281	0.60071	0.151767	0.001	0.041248
-0.23568	2.58E-07	-0.1808	8.53E-05	0.08182	0.07734	0.228053	6.33E-07	0.068505
-0.13205	0.00426	-0.03978	0.39109	-0.01289	0.78109	0.024319	0.60013	-0.04517
-0.22417	9.89E-07	-0.12529	0.00671	-0.01521	0.74303	0.086794	0.06091	-0.02277
-0.23677	2.26E-07	-0.19383	2.47E-05	-0.04293	0.35457	0.041204	0.37432	-0.12965
-0.14576	0.00159	-0.27458	1.60E-09	0.055878	0.22811	0.074374	0.10846	0.056829
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0.146135	0.00154	0.155076	0.00077	-0.00827	0.85852	-0.04277	0.35647	-0.10656
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0.324639	6.36E-13	0.2182	1.93E-06	0.012495	0.7877	-0.07643	0.09902	0.049731
0.085824	0.06387	-0.14508	0.00167	-0.06055	0.19152	-0.12653	0.00618	-0.22856
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-0.2866	2.79E-10	-0.16629	0.00031	-0.05416	0.24277	-0.0371	0.42383	-0.10631
-0.12623	0.0063	-0.10007	0.03061	-0.05476	0.23754	-0.04646	0.31645	-0.16213
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0.399651	2.46E-19	0.177371	0.00012	-0.02784	0.54839	-0.1122	0.01527	-0.01016
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-0.2236	1.06E-06	-0.01238	0.78955	-0.03366	0.46811	-0.03854	0.40603	-0.05307
-0.2227	1.17E-06	-0.37761	2.83E-17	-0.05874	0.20513	-0.16142	0.00046	-0.16406
-0.10824	0.0193	-0.28182	5.65E-10	-0.02888	0.53351	-0.03485	0.45241	-0.06276
-0.25262	3.12E-08	-0.1312	0.00451	0.000524	0.99099	0.038828	0.40251	-0.05662
-0.18067	8.63E-05	-0.43061	1.66E-22	-0.03229	0.48641	-0.06518	0.15965	-0.09155
-0.18185	7.74E-05	-0.25728	1.70E-08	-0.03897	0.40083	-0.0264	0.56925	-0.10831
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-0.24115	1.33E-07	-0.26468	6.31E-09	-0.01899	0.68231	-0.00821	0.85952	-0.11657
-0.26433	6.62E-09	-0.32058	1.27E-12	-0.0193	0.6774	-0.05411	0.24316	-0.07894
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-0.02264	0.62554	-0.22015	1.56E-06	-0.0276	0.55193	-0.06025	0.19372	-0.08714
-0.30915	8.44E-12	-0.17172	0.00019	-0.05981	0.19697	-0.02875	0.53547	-0.17533
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0.032021	0.49001	0.076835	0.09723	-0.03592	0.43867	-0.04873	0.29331	-0.0476
-0.03157	0.49613	-0.0173	0.7093	0.058375	0.20796	0.083587	0.07113	0.212162
-0.05428	0.24169	0.236602	2.30E-07	0.00891	0.84771	0.175626	0.00014	0.148239
0.228841	5.78E-07	0.179261	9.82E-05	0.029283	0.52788	0.08698	0.06036	0.064217
-0.14497	0.00168	-0.31011	7.22E-12	0.010823	0.81556	-0.02113	0.64875	0.007571
-0.14526	0.00165	0.002673	0.95405	-0.05775	0.21287	-0.12154	0.00856	-0.11248
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-0.20482	8.13E-06	-0.09279	0.04505	-0.01207	0.79472	0.02758	0.55216	-0.05033

0.086007	0.0633	0.065924	0.15492	0.019561	0.6733	-0.10317	0.02579	-0.06388
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-0.22824	6.19E-07	-0.10153	0.02824	-0.00861	0.85279	0.023505	0.6124	-0.08222
-0.19796	1.64E-05	-0.26587	5.37E-09	0.010933	0.81372	0.06302	0.17397	0.024607
-0.3632	5.23E-16	-0.567	4.46E-41	-0.0871	0.06001	-0.13979	0.00246	-0.23412
-0.27909	8.39E-10	-0.39259	1.17E-18	-0.09245	0.04585	-0.16076	0.00049	-0.20482
-0.19063	3.37E-05	-0.25522	2.23E-08	-0.03824	0.40973	-0.05177	0.26421	-0.19059
-0.07878	0.08903	-0.20251	1.03E-05	-0.0378	0.4151	-0.08729	0.05946	-0.15934
-0.27193	2.32E-09	-0.14091	0.00227	-0.04446	0.33771	-0.01471	0.75114	-0.13598
-0.12916	0.00518	-0.30133	2.94E-11	-0.06417	0.16621	-0.11691	0.01146	-0.212
0.018408	0.69153	0.012057	0.79497	-0.02788	0.54781	-0.12069	0.00904	-0.00256
-0.11128	0.01614	-0.16445	0.00036	-0.05185	0.26348	-0.02744	0.55412	-0.08562
-0.11697	0.01142	-0.15857	0.00058	-0.05007	0.28026	-0.04288	0.35523	-0.16827
-0.22746	6.78E-07	-0.22703	7.13E-07	-0.06128	0.18615	-0.10486	0.02344	-0.16808
-0.04903	0.29038	-0.20772	6.00E-06	-0.0293	0.52768	-0.03313	0.47504	-0.01563
0.146187	0.00154	-0.02125	0.64693	-0.002	0.96562	-0.01573	0.73465	0.045534
-0.2306	4.70E-07	0.073711	0.11165	0.00921	0.84266	0.111715	0.01572	0.035172
-0.09597	0.03816	-0.33502	1.04E-13	-0.01978	0.66983	-0.08253	0.07478	-0.08377
-0.05632	0.22445	0.111124	0.01629	0.010915	0.81401	0.081989	0.07672	-0.04622
-0.2328	3.63E-07	-0.27346	1.87E-09	-0.03158	0.49596	-0.08989	0.05223	-0.23772
-0.26454	6.43E-09	-0.12133	0.00867	-0.02084	0.65328	0.034372	0.45869	0.020592
-0.27622	1.27E-09	-0.4122	1.40E-20	-0.02345	0.61319	0.042883	0.35515	-0.11516
-0.30835	9.61E-12	-0.25487	2.33E-08	-0.03561	0.44261	0.012241	0.79192	-0.12318
-0.02493	0.59096	-0.17702	0.00012	-0.06679	0.14954	-0.13565	0.00331	-0.19244
-0.1299	0.00493	-0.24898	4.97E-08	0.016539	0.72148	-0.05963	0.19837	-0.047
-0.27659	1.20E-09	-0.13488	0.0035	-0.02037	0.66058	-0.00166	0.97145	-0.11863
0.062491	0.17761	-0.30467	1.73E-11	0.013458	0.77178	0.067621	0.14455	-0.03831
-0.06703	0.1481	0.051777	0.26414	0.000621	0.98932	0.040711	0.38006	0.01738
-0.22689	7.24E-07	-0.28337	4.50E-10	-0.00156	0.9732	0.00187	0.96785	-0.05361
0.296545	6.20E-11	0.12849	0.00542	0.020659	0.65611	-0.04146	0.3714	0.023405
-0.03312	0.47528	-0.03885	0.40223	-0.01294	0.7804	-0.0558	0.2288	-0.01667
0.094759	0.04067	0.024952	0.59067	0.014202	0.75954	0.084921	0.06672	0.048583
-0.1543	0.00082	-0.25797	1.55E-08	-0.03538	0.44557	-0.08576	0.06406	-0.03943
-0.12642	0.00623	-0.18692	4.82E-05	-0.0298	0.52068	-0.04783	0.30237	-0.0976
-0.21635	2.37E-06	-0.27118	2.58E-09	-0.04876	0.29304	-0.05688	0.21985	-0.11275
-0.1043	0.02419	-0.0016	0.97257	0.00664	0.88621	0.016262	0.72595	0.026802
-0.2619	9.19E-09	-0.19594	2.00E-05	-0.04598	0.32148	-0.03389	0.46501	-0.13974
-0.24586	7.38E-08	-0.2067	6.68E-06	-0.00296	0.94921	-0.02092	0.65197	-0.06338
-0.23134	4.31E-07	-0.19633	1.93E-05	-0.02114	0.64861	-0.01121	0.8091	-0.12576
-0.11461	0.0132	-0.35901	1.19E-15	-0.04864	0.29425	-0.12746	0.00581	-0.18404
-0.13511	0.00344	-0.24747	6.03E-08	-0.0126	0.78602	-0.04148	0.37113	-0.1069
-0.289	1.95E-10	-0.39031	1.92E-18	-0.06652	0.15119	-0.12117	0.00876	-0.19082
-0.08122	0.07955	-0.01191	0.79737	0.028122	0.54437	0.033882	0.46512	-0.0241
0.353698	3.30E-15	0.38703	3.89E-18	-0.00031	0.99473	-0.0007	0.98798	0.042149
-0.10315	0.0258	-0.22601	8.02E-07	0.020212	0.66308	-0.06872	0.13814	-0.00987



0.049547	0.28529	-0.25372	2.70E-08	-0.08849	0.05602	-0.17551	0.00014	-0.23109
-0.22571	8.29E-07	-0.23868	1.79E-07	-0.02524	0.58646	-0.04682	0.3127	-0.10305
0.085049	0.06631	0.051178	0.26971	-0.03313	0.47515	-0.03578	0.44049	-0.12818
-0.02123	0.64721	-0.15311	0.0009	0.037059	0.42431	0.024795	0.59302	0.026717
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0.244159	9.13E-08	0.552416	1.15E-38	0.022896	0.62164	-0.04573	0.32411	0.082528
0.044787	0.33417	0.151865	0.00099	0.040907	0.37778	0.08312	0.07273	-0.05885
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-0.19218	2.90E-05	-0.23498	2.80E-07	0.000637	0.98904	0.093725	0.04292	-0.02826
-0.12286	0.00786	0.035937	0.43847	0.100553	0.02981	0.236872	2.23E-07	0.19142
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-0.2629	8.03E-09	-0.1918	3.01E-05	0.0535	0.24855	0.114315	0.01344	0.066662
-0.20523	7.79E-06	-0.1055	0.0226	-0.01772	0.70249	-0.05011	0.27989	-0.0942
-0.27136	2.51E-09	-0.44119	1.15E-23	-0.08899	0.05463	-0.14086	0.00228	-0.1556
0.308328	9.64E-12	0.583588	5.70E-44	0.014159	0.76024	0.004709	0.91916	0.107924
-0.17155	0.0002	-0.25767	1.61E-08	0.055439	0.2318	0.082107	0.0763	-0.0742
-0.02822	0.54292	0.099448	0.03166	0.036703	0.42877	0.057249	0.21689	0.106173
-0.17487	0.00015	-0.12473	0.00696	-0.08486	0.06693	-0.10493	0.02334	-0.09648
-0.16709	0.00029	-0.45139	8.01E-25	0.00114	0.98039	-0.02229	0.63084	-0.06602
-0.02367	0.60993	-0.11736	0.01114	-0.00174	0.97014	-0.04341	0.34921	-0.07878
-0.15955	0.00054	-0.27895	8.56E-10	-0.01142	0.80563	-0.01301	0.77923	-0.05669
-0.06072	0.19025	-0.00758	0.87026	0.002594	0.95541	-0.04263	0.35804	-0.12105
-0.2385	1.83E-07	-0.27267	2.09E-09	-0.02475	0.59363	0.014521	0.7543	0.056508
0.055468	0.23154	-0.09513	0.03989	-0.04641	0.31695	-0.02436	0.59958	-0.1847
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-0.12999	0.0049	-0.23651	2.33E-07	-0.06164	0.18357	-0.14796	0.00134	-0.1829
0.071729	0.12164	0.023167	0.61752	-0.03231	0.48615	-0.01758	0.70469	-0.04361
-0.18481	5.87E-05	-0.225	9.00E-07	-0.04032	0.38463	-0.07346	0.11286	-0.12434
-0.01327	0.77489	-0.2326	3.71E-07	-0.01027	0.82474	-0.12457	0.00704	-0.07531
-0.16638	0.0003	-0.31347	4.17E-12	-0.00192	0.96705	-0.04548	0.32674	-0.08217
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-0.0489	0.29167	-0.03007	0.51687	-0.01299	0.77951	-0.12091	0.00891	-0.11125
-0.14003	0.00242	-0.05559	0.23055	-0.01182	0.79897	-0.00128	0.97794	-0.00606
-0.13767	0.00287	-0.2745	1.62E-09	-0.03291	0.47804	-0.03806	0.41189	-0.10172
-0.02603	0.57466	-0.00287	0.95073	0.030014	0.51762	0.058274	0.20875	0.075437
-0.08794	0.05758	-0.05041	0.27699	0.036289	0.434	0.065187	0.1596	0.00748
-0.15945	0.00054	-0.06584	0.15542	-0.02274	0.62402	0.001765	0.96965	-0.05497
-0.10572	0.02232	-0.29257	1.14E-10	-0.02952	0.52458	0.01242	0.78895	-0.12371
-0.17438	0.00015	-0.28268	4.98E-10	-0.06038	0.19275	-0.07515	0.10481	-0.07776
-0.14852	0.00129	-0.37708	3.16E-17	-0.04201	0.36506	-0.05987	0.19657	-0.007
-0.18987	3.63E-05	-0.11803	0.01069	-0.01973	0.67065	0.004987	0.9144	-0.1065
-0.32404	7.05E-13	-0.21631	2.38E-06	-0.02294	0.62095	0.019088	0.68075	-0.10197
-0.12438	0.00712	-0.07388	0.11083	0.007977	0.86349	-0.03145	0.49782	-0.04839
-0.02062	0.65668	0.031371	0.49886	-0.07338	0.11326	0.032903	0.47812	-0.21431
-0.06663	0.15053	-0.27749	1.06E-09	-0.01662	0.72021	-0.09154	0.04805	-0.15455

-0.26308	7.83E-09	-0.2846	3.76E-10	-0.05296	0.25337	-0.05784	0.21217	-0.13087
-0.09316	0.0442	-0.00223	0.96169	0.00599	0.89729	0.033104	0.47543	0.089772
-0.1919	2.98E-05	-0.40032	2.11E-19	-0.07681	0.09734	-0.17079	0.00021	-0.24259
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-0.14548	0.00162	-0.18062	8.67E-05	0.008696	0.85133	-0.03197	0.49071	-0.04535
0.36017	9.46E-16	0.143474	0.00188	0.010905	0.81418	-0.00813	0.86088	0.054778
-0.15972	0.00053	0.006588	0.88709	-0.02526	0.58612	0.017614	0.7042	-0.07556
0.025504	0.58248	0.022756	0.62377	-0.00721	0.87644	0.015937	0.73122	0.132232
-0.11017	0.01724	0.024739	0.59385	-0.00203	0.96517	0.020465	0.65913	-0.18974
-0.29039	1.58E-10	-0.00261	0.95515	-0.03489	0.45196	0.057361	0.21599	-0.01793
-0.23733	2.11E-07	-0.112	0.01546	-0.03415	0.46155	0.021308	0.64602	-0.03539
-0.10587	0.02213	-0.26261	8.35E-09	-0.05343	0.2492	-0.09838	0.03355	-0.16924
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-0.17119	0.0002	-0.20334	9.47E-06	-0.04298	0.35406	-0.05478	0.23741	-0.06805
-0.22234	1.22E-06	-0.38257	1.00E-17	-0.06648	0.15144	-0.11333	0.01427	-0.15677
0.103592	0.02518	0.139863	0.00245	0.034954	0.45111	0.023738	0.60888	0.058995
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-0.15004	0.00115	0.134097	0.00369	0.045682	0.32459	0.152862	0.00092	0.155772
0.133765	0.00378	0.075486	0.10327	0.051326	0.26833	-0.01513	0.74435	0.136253
-0.16233	0.00043	-0.33474	1.09E-13	-0.06199	0.18115	-0.11396	0.01374	-0.17321
-0.14528	0.00164	-0.18364	6.56E-05	-0.04776	0.303	-0.07031	0.12923	-0.10381
-0.17151	0.0002	-0.02969	0.5222	-0.00573	0.90171	0.019241	0.67835	-0.11051
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-0.19875	1.51E-05	-0.19615	1.96E-05	-0.05418	0.24261	-0.11645	0.01179	-0.1376
-0.12536	0.00668	-0.29055	1.55E-10	-0.04248	0.35972	-0.08416	0.06922	-0.09697
-0.28561	3.24E-10	-0.09399	0.04233	-0.02543	0.58359	0.038371	0.40808	-0.10501
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-0.05944	0.1998	0.28164	5.80E-10	0.040364	0.38415	0.153762	0.00086	0.097125
0.063863	0.16826	0.053606	0.24762	0.015503	0.73827	0.063806	0.16864	0.030886
-0.18899	3.95E-05	-0.2455	7.72E-08	-0.0625	0.17753	-0.08812	0.05706	-0.17201
-0.27278	2.06E-09	-0.14491	0.00169	-0.01186	0.79818	0.020937	0.65178	-0.11735
0.192879	2.71E-05	0.052034	0.26177	-0.01492	0.74774	-0.07882	0.08887	-0.12917
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0.216333	2.38E-06	0.258031	1.54E-08	-0.02806	0.54532	-0.12103	0.00884	0.002466
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-0.23372	3.25E-07	-0.09152	0.04809	-0.03471	0.45425	-0.04771	0.30354	-0.11462
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0.161942	0.00044	-0.0084	0.85633	-0.04572	0.32418	-0.11054	0.01686	-0.05609
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0.062209	0.17958	-0.09726	0.03563	0.014995	0.74654	0.025948	0.57594	0.141315

-0.17494	0.00014	-0.19967	1.38E-05	-0.00328	0.94365	-0.0042	0.92792	-0.03674
-0.12185	0.00839	-0.31656	2.50E-12	-0.04643	0.31675	-0.13703	0.003	-0.21826
-0.13672	0.00307	-0.01478	0.75002	-0.03835	0.40827	0.03677	0.42793	-0.06917
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-0.18353	6.62E-05	-0.17653	0.00013	-0.0034	0.94153	0.061018	0.18807	-0.16463
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0.030766	0.50718	-0.01256	0.78659	-0.02699	0.56063	-0.03113	0.50211	-0.14343
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-0.22207	1.25E-06	-0.22796	6.40E-07	0.010034	0.82879	0.054585	0.23907	-0.04428
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-0.04559	0.32554	-0.0016	0.97241	-0.06227	0.17914	-0.00939	0.83955	-0.02681
-0.24178	1.23E-07	-0.17815	0.00011	-0.04281	0.35596	-0.02408	0.60365	-0.12241
0.006991	0.88024	-0.05073	0.27396	0.008317	0.85774	0.025081	0.58875	0.033047
-0.26265	8.30E-09	-0.07024	0.1296	-0.03402	0.46327	0.032659	0.4814	-0.12934
-0.20737	6.23E-06	0.112254	0.01522	0.137044	0.003	0.406738	4.94E-20	0.239167
-0.13039	0.00477	-0.09807	0.03411	-0.05804	0.21056	-0.06627	0.15273	-0.06837
-0.14222	0.00206	-0.02447	0.5979	0.07529	0.10417	0.128636	0.00537	0.208292
-0.0817	0.07777	0.054141	0.24292	0.045174	0.33001	0.124394	0.00711	0.196226
0.042041	0.36468	-0.0814	0.07886	-0.05496	0.23587	-0.09714	0.03586	-0.18691
-0.19341	2.57E-05	-0.14115	0.00223	-0.03876	0.40334	-0.0094	0.83937	-0.06612
-0.23622	2.41E-07	-0.1873	4.64E-05	-0.00893	0.8474	0.01027	0.82482	-0.08504
-0.17852	0.00011	-0.26808	3.96E-09	-0.00994	0.83034	-0.06304	0.17385	-0.09838
-0.15889	0.00057	-0.24179	1.22E-07	-0.06259	0.17696	-0.07978	0.08505	-0.14847
-0.26121	1.01E-08	-0.16339	0.00039	-0.02935	0.52689	0.0023	0.96046	-0.14056
-0.15416	0.00083	-0.24522	8.00E-08	-0.04276	0.35655	-0.0716	0.12233	-0.13085
0.064018	0.16724	-0.19729	1.75E-05	-0.0143	0.75788	-0.12029	0.00927	-0.10888
-0.23539	2.67E-07	-0.25768	1.61E-08	-0.01318	0.7764	-0.0327	0.48085	-0.15496

-0.19345	2.56E-05	-0.48893	1.95E-29	-0.05639	0.22386	-0.10144	0.02838	-0.13019
-0.26737	4.37E-09	-0.35735	1.63E-15	-0.0609	0.18889	-0.0789	0.08854	-0.13163
0.30471	1.72E-11	0.458736	1.11E-25	0.034204	0.46089	0.049142	0.28925	0.109573
0.122305	0.00815	0.382426	1.03E-17	0.012857	0.7817	0.080797	0.08112	0.028354
-0.18558	5.46E-05	-0.23688	2.23E-07	-0.04237	0.36091	-0.12401	0.00729	-0.08929
-0.056	0.22709	-0.15537	0.00075	-0.05639	0.22385	-0.10321	0.02572	-0.1342
-0.07183	0.12111	-0.30781	1.05E-11	-0.03288	0.47845	-0.10866	0.01883	-0.09761
0.164214	0.00037	0.175147	0.00014	-0.02372	0.6091	-0.06282	0.17533	-0.04973
-0.11548	0.01252	-0.06381	0.1686	0.006545	0.88782	0.030737	0.50758	-0.06258
0.006402	0.89026	0.081824	0.07732	0.051335	0.26825	0.13255	0.00411	0.038953
-0.08172	0.07771	0.037811	0.41496	-0.03074	0.50753	-0.0525	0.25752	0.017685
-0.24251	1.12E-07	-0.22296	1.13E-06	-0.04581	0.32321	0.003786	0.93497	-0.09957
-0.13363	0.00381	-0.15853	0.00058	0.004728	0.91884	-0.00565	0.90304	0.068936
-0.18145	8.03E-05	-0.31779	2.03E-12	-0.04782	0.30247	-0.09657	0.03696	-0.18352
-0.29245	1.16E-10	-0.14854	0.00129	-0.03178	0.49332	-0.0247	0.59448	-0.12844
-0.24053	1.43E-07	-0.04091	0.37776	0.003964	0.93192	0.098284	0.03372	-0.04281
-0.31644	2.54E-12	-0.20788	5.90E-06	0.0188	0.68532	0.094648	0.04091	-0.02149
-0.32211	9.81E-13	-0.14648	0.0015	-0.05068	0.27444	0.017702	0.70279	-0.06326
-0.11917	0.00995	-0.12221	0.0082	-0.02256	0.62675	-0.02833	0.54137	-0.12153
-0.28848	2.11E-10	-0.43076	1.60E-22	-0.06366	0.16965	-0.14782	0.00136	-0.20032
-0.1848	5.88E-05	-0.29001	1.68E-10	-0.03051	0.51066	-0.09404	0.04223	-0.051
-0.12263	0.00798	-0.30265	2.39E-11	-0.03828	0.40915	-0.07304	0.11499	-0.15071
0.013623	0.76904	0.036261	0.43436	0.022026	0.63496	0.077458	0.09454	0.059354
-0.06792	0.14279	-0.0803	0.08301	-0.0203	0.66178	-0.04575	0.32382	-0.05151
-0.26657	4.87E-09	-0.30647	1.30E-11	-0.02181	0.63822	-0.02011	0.66466	-0.10064
-0.37842	2.39E-17	-0.37232	8.39E-17	-0.01174	0.80023	0.048935	0.2913	-0.05745
-0.17541	0.00014	-0.19191	2.98E-05	-0.03062	0.50914	-0.04338	0.34958	-0.08798
0.093237	0.04402	0.156701	0.00068	0.02722	0.55736	0.01019	0.82616	0.051578
0.19648	1.90E-05	0.095057	0.04004	-0.11451	0.01329	-0.14211	0.00208	-0.27815
-0.06115	0.18713	-0.03451	0.45682	0.024977	0.5903	-0.0402	0.38607	0.096558
-0.2101	4.67E-06	-0.25299	2.97E-08	-0.02643	0.56893	-0.02458	0.5962	-0.00946
-0.20476	8.18E-06	-0.19415	2.39E-05	0.035186	0.4481	0.073809	0.11117	-0.03016
0.00151	0.97403	-0.15027	0.00113	-0.05313	0.25182	-0.03849	0.40665	-0.09292
0.052435	0.25811	0.043475	0.34854	0.042947	0.35443	0.042947	0.35442	0.209214
-0.02032	0.66133	0.12638	0.00624	-0.0651	0.16013	-0.04167	0.3689	-0.05279
-0.13628	0.00317	-0.2569	1.78E-08	-0.04599	0.32136	-0.14172	0.00214	-0.20934
0.279283	8.16E-10	0.028151	0.54396	-0.10065	0.02964	-0.10591	0.02208	-0.06847
-0.08844	0.05616	-0.26491	6.11E-09	-0.07338	0.11329	-0.11389	0.01379	-0.18049
0.115387	0.01259	0.12737	0.00585	0.017296	0.70929	0.020265	0.66226	0.034173
-0.15565	0.00074	-0.01997	0.66692	-0.03918	0.3982	0.013304	0.77431	-0.02895
-0.28452	3.80E-10	-0.10754	0.0201	-0.01837	0.69208	0.083606	0.07107	-0.08842
-0.23845	1.84E-07	-0.19223	2.89E-05	-0.02379	0.60805	0.00868	0.85161	-0.09905
-0.23847	1.84E-07	-0.28651	2.83E-10	-0.03564	0.44233	-0.02821	0.54316	-0.03545
-0.08291	0.07345	-0.1277	0.00572	-0.02319	0.61717	0.008743	0.85054	-0.04694
0.243562	9.83E-08	-0.16085	0.00048	-0.02306	0.61916	-0.05708	0.21822	-0.10574

-0.07303	0.11503	0.212251	3.70E-06	-0.01638	0.72397	0.085424	0.06512	-0.10341
0.01946	0.67489	-0.13168	0.00437	-0.03209	0.48905	-0.13666	0.00308	-0.14482
-0.14757	0.00138	0.228723	5.86E-07	0.054698	0.2381	0.183355	6.73E-05	0.097976
-0.08433	0.06863	0.006596	0.88695	0.035513	0.4439	0.046334	0.31772	0.090757
0.043949	0.3433	-0.2655	5.64E-09	-0.03116	0.50172	-0.1207	0.00903	-0.01711
-0.07355	0.11242	-0.10275	0.02639	0.008356	0.85709	-0.03851	0.40644	0.012996
-0.05691	0.21961	-0.2102	4.61E-06	0.005856	0.89956	-0.02329	0.61567	0.055879
0.027716	0.5502	0.002625	0.95488	-0.04726	0.30813	-0.09862	0.03311	-0.02504
-0.20751	6.14E-06	-0.25387	2.65E-08	-0.01553	0.73788	0.003699	0.93645	-0.07919
0.192849	2.72E-05	0.033758	0.46675	0.001598	0.97253	0.017243	0.71016	0.080722
-0.05631	0.22451	-0.09831	0.03367	-0.03592	0.43863	-0.0646	0.16341	-0.1148
-0.09791	0.03441	-0.3341	1.22E-13	-0.04159	0.36987	-0.12022	0.00931	-0.24095
-0.14846	0.00129	-0.09228	0.04624	-0.00752	0.87126	0.023428	0.61357	-0.05745
0.285179	3.45E-10	0.111446	0.01598	0.043658	0.34651	0.052295	0.25938	0.173274
-0.04231	0.36164	-0.27439	1.64E-09	-0.00853	0.8541	-0.05023	0.27873	-0.12471
-0.18902	3.94E-05	-0.22554	8.46E-07	-0.01115	0.81016	-0.07044	0.12849	-0.15611
-0.03319	0.47434	-0.19946	1.41E-05	-0.04785	0.30212	-0.09741	0.03534	-0.12858
-0.07588	0.10147	0.045318	0.32847	-0.04258	0.35861	-0.07807	0.09194	-0.15722
-0.3073	1.14E-11	-0.16014	0.00051	-0.05317	0.25145	0.017079	0.71278	-0.12109
-0.20496	8.01E-06	0.012003	0.79586	-0.00029	0.995	0.018562	0.6891	0.081416
-0.24275	1.09E-07	-0.18284	7.06E-05	-0.02926	0.52821	-0.03678	0.42779	-0.1154
-0.14113	0.00224	-0.10903	0.01842	-0.03533	0.4462	-0.04264	0.3579	-0.13803
0.021981	0.63565	-0.08471	0.0674	-0.04534	0.32822	-0.07399	0.11031	-0.0637
-0.13744	0.00292	-0.12342	0.00758	-0.05883	0.20441	-0.08278	0.07392	-0.08797
-0.00306	0.94735	-0.27312	1.96E-09	0.010298	0.82435	-0.02827	0.54222	-0.03868
0.197468	1.72E-05	-0.11916	0.00996	-0.01494	0.74746	-0.08066	0.08164	-0.00161
-0.05123	0.26924	0.099463	0.03164	0.053009	0.25293	0.14287	0.00197	0.10161
-0.04302	0.35361	-0.2646	6.38E-09	-0.10826	0.01928	-0.20535	7.69E-06	-0.22787
-0.01792	0.69934	0.100313	0.0302	-0.04791	0.30152	-0.10227	0.0271	-0.12614
0.329662	2.67E-13	0.179579	9.54E-05	-0.05756	0.21442	-0.10228	0.0271	-0.09841
-0.11354	0.01409	-0.09359	0.04322	-0.0256	0.58109	-0.06484	0.16183	-0.1495
0.189418	3.79E-05	0.037142	0.42326	0.009692	0.83453	0.021657	0.64064	-0.12554
-0.19386	2.46E-05	-0.35096	5.54E-15	0.029499	0.52484	0.131633	0.00438	-0.16399
-0.257	1.76E-08	-0.12109	0.00881	0.062344	0.17863	0.1958	2.03E-05	0.341864
-0.29524	7.58E-11	-0.53996	1.07E-36	-0.08199	0.07672	-0.21448	2.91E-06	-0.22733
-0.00289	0.9504	0.157623	0.00063	0.055534	0.23099	0.114421	0.01335	0.157139
-0.02274	0.62396	-0.11969	0.00963	0.026169	0.57269	0.010094	0.82777	0.084559
-0.11246	0.01504	-0.28471	3.70E-10	-0.02068	0.65572	-0.14014	0.0024	-0.12515
0.008553	0.85375	-0.00134	0.97689	0.009682	0.8347	0.016577	0.72087	-0.04484
-0.14283	0.00197	-0.19637	1.92E-05	-0.02599	0.57533	-0.04489	0.33309	-0.07811
-0.1885	4.14E-05	-0.28554	3.27E-10	-0.02801	0.54598	-0.01783	0.70079	-0.15977
-0.18529	5.62E-05	-0.26318	7.73E-09	-0.02266	0.62523	-0.01302	0.77906	-0.04444
-0.03724	0.42199	0.026202	0.5722	-0.03864	0.40481	-0.0113	0.80765	-0.08933
-0.30782	1.05E-11	-0.21616	2.42E-06	-0.03573	0.44111	-0.02281	0.623	-0.08085
-0.20638	6.91E-06	-0.2636	7.30E-09	-0.07178	0.12139	-0.1036	0.02516	-0.15629

-0.20594	7.23E-06	-0.2289	5.74E-07	-0.05903	0.20293	-0.08521	0.0658	-0.14938
-0.19226	2.88E-05	-0.15056	0.0011	-0.04231	0.36158	-0.04371	0.34594	-0.09914
0.19075	3.34E-05	0.124121	0.00724	-0.08911	0.0543	-0.09083	0.0498	-0.12071
-0.13579	0.00328	-0.30574	1.46E-11	0.002118	0.96359	-0.08719	0.05974	0.080673
-0.16418	0.00037	-0.18012	9.07E-05	-0.03199	0.49041	-0.05527	0.23321	-0.12918
-0.25385	2.66E-08	-0.19615	1.96E-05	-0.04384	0.34453	-0.06549	0.15765	-0.15498
-0.31805	1.95E-12	-0.30948	8.00E-12	-0.03307	0.47584	-0.00368	0.93684	-0.07482
-0.22329	1.09E-06	-0.35237	4.25E-15	-0.06592	0.15496	-0.09761	0.03497	-0.17552
0.25106	3.81E-08	0.330439	2.33E-13	0.03003	0.51739	0.089763	0.05256	0.091366
-0.19007	3.56E-05	-0.36918	1.59E-16	-0.01309	0.77788	0.047919	0.30143	-0.07642
-0.19092	3.28E-05	-0.13797	0.00281	-0.05646	0.22331	-0.04409	0.34174	-0.03376
0.002023	0.96522	-0.03471	0.45423	-0.00572	0.90196	-0.04573	0.32406	-0.1623
-0.12279	0.0079	-0.14422	0.00178	-0.0593	0.20087	-0.05066	0.27458	-0.17803
-0.19977	1.36E-05	-0.21813	1.95E-06	-0.0058	0.90045	-0.0276	0.55187	0.024844
-0.16036	0.0005	-0.29947	3.93E-11	-0.04118	0.37459	-0.11667	0.01163	-0.23686
-0.23167	4.15E-07	-0.23877	1.77E-07	-0.03677	0.42795	-0.09131	0.0486	-0.18278
-0.16193	0.00044	-0.21741	2.11E-06	-0.00887	0.84844	-0.02725	0.55699	0.010071
-0.0105	0.82101	-0.17194	0.00019	-0.02855	0.53828	-0.13801	0.0028	-0.12641
-0.29268	1.12E-10	-0.34107	3.48E-14	-0.04034	0.38442	-0.04267	0.35756	-0.14071
-0.22243	1.20E-06	-0.5165	3.31E-33	-0.05786	0.212	-0.12948	0.00507	-0.18539
-0.25072	3.98E-08	-0.19726	1.76E-05	-0.03147	0.49757	-0.038	0.41264	-0.1335
-0.17809	0.00011	-0.26597	5.29E-09	-0.04772	0.30344	-0.08164	0.07799	-0.08511
-0.18955	3.74E-05	-0.29023	1.62E-10	-0.0644	0.16473	-0.07798	0.09232	-0.09093
-0.20135	1.16E-05	-0.19791	1.65E-05	-0.01886	0.68436	-0.02621	0.57209	-0.0793
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0.023448	0.61326	-0.27649	1.22E-09	-0.05874	0.20514	-0.16409	0.00037	-0.14972
-0.32845	3.29E-13	-0.21167	3.94E-06	-0.0755	0.10319	-0.04888	0.29181	-0.19033
-0.03549	0.44424	0.206879	6.56E-06	0.045645	0.32498	0.155385	0.00075	0.233965
-0.35059	5.95E-15	-0.35022	6.37E-15	-0.0396	0.39325	-0.07976	0.08513	-0.10566
0.133187	0.00393	0.118168	0.0106	-0.00735	0.87414	-0.00786	0.86541	0.021858
-0.13603	0.00323	-0.19443	2.33E-05	0.005076	0.91288	0.054989	0.23561	-0.01508
-0.01966	0.67179	-0.07232	0.11858	-0.02772	0.55017	-0.0534	0.24939	0.008443
-0.33506	1.03E-13	-0.3717	9.52E-17	-0.02337	0.61452	-0.01651	0.72199	-0.1496
-0.11683	0.01152	-0.03547	0.44445	0.026386	0.56951	-0.0287	0.53606	0.034039
-0.1707	0.00021	-0.32821	3.44E-13	-0.06976	0.13226	-0.14055	0.00233	-0.08755
0.035135	0.44877	-0.11133	0.01608	-0.00929	0.84124	-0.06166	0.18348	-0.17061
-0.12249	0.00805	-0.04695	0.31131	-0.00111	0.98086	0.04114	0.37506	-0.12319
-0.20755	6.11E-06	-0.23207	3.95E-07	-0.0513	0.26855	-0.05493	0.23613	-0.1769
-0.31531	3.08E-12	-0.35188	4.66E-15	-0.01696	0.71468	-0.02077	0.65435	-0.01073
-0.25545	2.16E-08	-0.23555	2.61E-07	-0.01654	0.72154	-0.0369	0.42633	-0.12377
-0.1645	0.00036	-0.06224	0.17935	-0.03555	0.44338	0.00404	0.93061	0.023131
-0.22213	1.25E-06	-0.17848	0.00011	-0.01565	0.73594	0.015212	0.74301	-0.05865
0.052323	0.25913	0.132626	0.00409	-0.0332	0.47414	-0.00036	0.99379	-0.05642
-0.22689	7.24E-07	-0.36506	3.62E-16	-0.06101	0.1881	-0.09693	0.03626	-0.18426
-0.07031	0.12919	0.018671	0.68736	-0.01973	0.67071	-0.021	0.65077	0.016352

-0.20805	5.79E-06	-0.08461	0.06772	-0.01596	0.73084	0.058874	0.2041	-0.1552
-0.14394	0.00182	-0.07658	0.09837	0.018835	0.68477	0.099827	0.03101	-0.01152
0.009894	0.83114	0.163025	0.0004	-0.04766	0.30404	-0.06535	0.15857	-0.03489
0.287682	2.38E-10	0.056015	0.22697	0.027886	0.54776	0.082009	0.07665	0.032127
-0.1972	1.77E-05	0.034501	0.45699	-0.00045	0.99227	0.052776	0.25502	0.099941
-0.24704	6.36E-08	-0.23629	2.39E-07	0.01705	0.71326	0.138687	0.00267	-0.11448
-0.13871	0.00266	-0.32999	2.52E-13	-0.04558	0.32564	-0.13454	0.00358	-0.08632
-0.15806	0.00061	-0.13794	0.00281	-0.0426	0.35836	-0.0742	0.10929	-0.02673
-0.13197	0.00428	-0.01982	0.6692	0.062895	0.17482	0.134022	0.00371	0.240155
-0.24372	9.64E-08	-0.34897	8.06E-15	-0.04743	0.30641	-0.01599	0.73042	-0.16276
-0.29475	8.18E-11	-0.50558	1.14E-31	-0.02352	0.61222	0.035863	0.43942	-0.19811
-0.00402	0.93103	0.008872	0.84836	-0.01329	0.77461	-0.03279	0.47957	0.050879
-0.09543	0.03926	-0.16465	0.00035	-0.04965	0.28432	-0.10713	0.02059	-0.11896
-0.15716	0.00065	-0.26184	9.26E-09	-0.00718	0.87705	-0.04996	0.2813	0.073707
0.063698	0.16937	0.231809	4.08E-07	-0.03281	0.47931	-0.09579	0.03852	0.03492
0.081497	0.07852	-0.08336	0.07189	0.010226	0.82555	-0.05635	0.22419	0.013506
0.063971	0.16755	0.038682	0.40428	0.066042	0.15418	0.107686	0.01993	0.088776
0.058081	0.21027	-0.13384	0.00376	-0.01294	0.78031	-0.04903	0.29037	-0.032
-0.32219	9.68E-13	-0.25449	2.45E-08	-0.03419	0.46112	-0.00884	0.84887	-0.11614
-0.23886	1.75E-07	-0.2703	2.91E-09	-0.02093	0.65195	-0.00787	0.86524	-0.04847
-0.32016	1.37E-12	-0.24083	1.38E-07	-0.02186	0.6375	-0.00169	0.9709	-0.10004
-0.13925	0.00256	-0.09656	0.03699	-0.00674	0.88449	0.022015	0.63512	-0.05172
-0.05826	0.20884	0.097385	0.03539	-0.03373	0.46714	0.026895	0.56208	0.053721
-0.19525	2.15E-05	-0.36272	5.74E-16	-0.03037	0.5127	-0.07246	0.11789	-0.09893
0.059902	0.1963	-0.15601	0.00072	-0.00753	0.87109	0.002475	0.95746	-0.11452
0.21041	4.51E-06	0.130673	0.00468	0.005417	0.90705	-0.03004	0.51728	0.100073
-0.02336	0.61457	0.013162	0.77665	0.00011	0.99812	0.016459	0.72278	-0.0875
0.187327	4.63E-05	0.129714	0.00499	-0.03871	0.40391	-0.01826	0.69392	-0.0461
-0.26291	8.02E-09	-0.28016	7.19E-10	-0.0255	0.58257	-0.0202	0.66324	-0.14156
-0.10971	0.01771	-0.29496	7.91E-11	-0.05803	0.21067	-0.09719	0.03576	-0.10246
-0.20943	5.01E-06	-0.29325	1.03E-10	-0.02863	0.53716	-0.12879	0.00531	-0.17576
-0.05523	0.23353	-0.06413	0.16648	-0.02543	0.58352	-0.08344	0.07164	-0.07732
-0.03214	0.4884	-0.25201	3.37E-08	-0.02631	0.57055	-0.09827	0.03375	-0.13099
-0.24318	1.03E-07	-0.17617	0.00013	-0.03002	0.5176	-0.07314	0.11446	-0.13643
-0.11776	0.01087	-0.0508	0.2733	0.007618	0.86959	0.066533	0.15114	-0.00825
0.022063	0.63439	0.014012	0.76264	-0.02717	0.55815	-0.06536	0.15852	0.029896
-0.07299	0.11522	-0.08352	0.07135	-0.00184	0.96834	-0.0364	0.43261	-0.09455
-0.1109	0.0165	-0.32633	4.76E-13	0.002872	0.95064	-0.04274	0.35673	-0.04447
-0.18291	7.02E-05	-0.32488	6.11E-13	-0.02749	0.55342	-0.08261	0.07452	-0.18657
-0.30208	2.61E-11	-0.35707	1.73E-15	0.014282	0.75822	0.045926	0.32201	0.104989
0.121343	0.00867	-0.05911	0.20228	-0.0197	0.67109	0.061153	0.1871	0.027607
-0.13043	0.00475	0.024255	0.60109	0.06391	0.16795	0.189923	3.61E-05	0.148137
-0.2659	5.34E-09	-0.10879	0.01869	-0.00191	0.96714	0.098151	0.03396	-0.12071
-0.31425	3.66E-12	-0.31294	4.54E-12	-0.01329	0.7745	-0.02311	0.61836	-0.09539
-0.20814	5.74E-06	-0.24165	1.25E-07	0.146113	0.00155	0.330186	2.43E-13	0.355893

-0.20222	1.06E-05	-0.20681	6.61E-06	-0.06242	0.17808	-0.03297	0.47721	-0.1253
-0.10874	0.01874	-0.04214	0.36357	-0.00919	0.84305	-0.03046	0.51142	0.026409
-0.10517	0.02303	-0.01322	0.77571	0.003791	0.93488	0.059941	0.196	-0.13996
-0.24237	1.14E-07	-0.216	2.46E-06	-0.03949	0.39454	-0.04151	0.37078	-0.14083
-0.04795	0.30108	-0.04551	0.3264	0.006839	0.88282	0.005898	0.89884	0.008361
-0.37896	2.14E-17	-0.34459	1.82E-14	-0.04785	0.30212	-0.0133	0.77435	-0.08336
-0.14382	0.00183	0.020161	0.66388	-0.01406	0.76184	0.016177	0.72733	-0.0178
-0.2806	6.74E-10	-0.09666	0.03679	-0.05806	0.21042	-0.04115	0.37492	-0.15865
-0.22877	5.82E-07	-0.60185	2.36E-47	-0.0012	0.9793	-0.06686	0.14912	-0.06898
-0.27627	1.26E-09	-0.06108	0.18761	0.117578	0.01099	0.165686	0.00032	0.364829
-0.16687	0.00029	-0.09866	0.03304	0.009925	0.83061	0.02757	0.55231	-0.02731
-0.06326	0.1723	0.143713	0.00185	0.025549	0.58182	0.081853	0.07721	0.0226
-0.18017	9.03E-05	-0.05578	0.22889	-0.01273	0.78375	0.005193	0.91089	-0.05113
-0.22421	9.85E-07	-0.35897	1.19E-15	-0.04514	0.3304	-0.0263	0.57077	-0.19154
-0.16977	0.00023	-0.20191	1.10E-05	-0.02243	0.6287	-0.01364	0.76872	-0.06653
-0.2009	1.22E-05	-0.29803	4.93E-11	-0.02401	0.60476	0.011792	0.79938	-0.07082
-0.23885	1.76E-07	-0.24776	5.81E-08	-0.04142	0.37187	-0.00134	0.97698	-0.02611
-0.06484	0.16182	0.117272	0.01121	0.002673	0.95406	0.098177	0.03392	0.002959
0.094843	0.04049	0.021235	0.64715	0.008362	0.85698	-0.02275	0.62385	0.094417
-0.05246	0.25792	-0.27282	2.05E-09	-0.02542	0.58369	-0.1348	0.00352	-0.1647
0.222382	1.21E-06	0.041218	0.37416	-0.02631	0.57065	-0.13319	0.00393	0.006757
0.313695	4.01E-12	0.272488	2.15E-09	0.076815	0.09732	0.100654	0.02964	0.257743
-0.21833	1.91E-06	-0.23403	3.14E-07	-0.02094	0.65176	-0.02355	0.6117	-0.0498
-0.24688	6.49E-08	-0.48247	1.33E-28	-0.06194	0.18145	-0.11032	0.01708	-0.14754
-0.27933	8.10E-10	-0.20347	9.35E-06	-0.01148	0.80454	-0.02557	0.58157	-0.08563
-0.13105	0.00456	-0.39432	8.00E-19	-0.04534	0.32828	-0.15454	0.00081	-0.1013
-0.2212	1.38E-06	-0.03136	0.49903	-0.04481	0.33395	-0.01416	0.76029	-0.03901
0.107758	0.01985	0.351582	4.93E-15	0.11561	0.01242	0.190266	3.50E-05	0.469895
-0.08948	0.05331	0.004526	0.9223	0.002013	0.96539	0.01317	0.77652	0.032903
0.001753	0.96986	0.119905	0.0095	0.00162	0.97215	0.005612	0.90373	0.014398
0.013729	0.7673	-0.14449	0.00175	-0.02764	0.55125	-0.01929	0.67761	-0.07309
-0.26001	1.18E-08	-0.4238	8.85E-22	0.013145	0.77693	0.030648	0.50881	-0.05186
-0.17092	0.00021	-0.16588	0.00032	0.017455	0.70675	-0.03068	0.50838	-0.0991
-0.1481	0.00133	-0.17597	0.00013	-0.02803	0.5457	-0.12377	0.00741	-0.14167
-0.14905	0.00124	-0.2767	1.18E-09	0.030637	0.50896	0.034855	0.45239	0.078809
-0.13403	0.00371	0.057926	0.21148	-0.0325	0.48351	-0.07799	0.09228	-0.08128
-0.20312	9.70E-06	-0.12915	0.00519	-0.04048	0.38273	-0.01995	0.66717	-0.18693
0.042285	0.36191	0.122129	0.00824	-0.03822	0.4099	-0.04845	0.29614	-0.10976
-0.24354	9.86E-08	-0.28399	4.11E-10	-0.04019	0.38621	-0.04006	0.3877	-0.07805
-0.24965	4.57E-08	-0.45595	2.36E-25	-0.04662	0.31473	-0.10899	0.01847	-0.18247
-0.25771	1.60E-08	-0.2123	3.69E-06	0.009254	0.8419	0.079092	0.08777	-0.07119
-0.21058	4.43E-06	-0.20981	4.81E-06	0.01574	0.73442	0.043032	0.35348	-0.01632
-0.12078	0.00899	-0.28094	6.42E-10	-0.0441	0.3416	-0.11472	0.01312	-0.19099
-0.09465	0.0409	-0.32069	1.25E-12	-0.05171	0.26475	-0.14728	0.00141	-0.22048
0.162832	0.00041	0.378023	2.60E-17	0.002848	0.95105	0.143513	0.00188	0.026239



-0.11083	0.01657	-0.26434	6.60E-09	-0.01995	0.66712	-0.12094	0.0089	-0.00569
-0.02778	0.54923	-0.00043	0.99264	-0.0213	0.64611	-0.10941	0.01802	-0.07583
0.263072	7.84E-09	0.127719	0.00571	0.003955	0.93207	0.034922	0.45153	0.008425
-0.01395	0.76363	-0.10846	0.01906	0.018723	0.68654	-0.00917	0.84337	0.029334
0.027599	0.55189	-0.16185	0.00045	0.002623	0.95491	-0.0964	0.0373	-0.07883
-0.21015	4.64E-06	-0.10703	0.02071	-0.03473	0.45405	0.022842	0.62247	-0.02347
-0.15189	0.00099	-0.25487	2.33E-08	0.029566	0.5239	0.055519	0.23112	0.063357
-0.08745	0.05898	-0.36249	6.00E-16	0.040315	0.38472	-0.06748	0.1454	-0.13572
-0.09109	0.04914	-0.17403	0.00016	-0.0417	0.3686	-0.11085	0.01656	-0.13717
-0.06759	0.14473	-0.17743	0.00012	-0.01375	0.76704	-0.06835	0.14027	0.070573
-0.01298	0.77973	-0.2574	1.67E-08	-0.00344	0.94095	0.015572	0.73714	0.035772
-0.15077	0.00108	-0.25446	2.46E-08	-0.02945	0.52553	-0.0712	0.1244	-0.14006
0.058913	0.20379	-0.18794	4.37E-05	-0.0024	0.95877	-0.08828	0.05661	-0.07558
0.264801	6.21E-09	0.250306	4.20E-08	0.040906	0.37779	0.018776	0.6857	0.228474
-0.28327	4.57E-10	-0.36831	1.89E-16	0.007274	0.87543	0.005587	0.90416	-0.04453
0.055625	0.23023	0.097136	0.03586	-0.01743	0.70718	0.023183	0.61727	0.058482
-0.07145	0.12308	-0.02123	0.6472	0.024681	0.59472	-0.01221	0.79249	0.021407
-0.16499	0.00034	0.005149	0.91164	-0.01319	0.77627	0.035472	0.44443	-0.02495
-0.15429	0.00082	-0.24243	1.13E-07	9.27E-05	0.99841	-0.0762	0.10005	-0.13206
-0.0721	0.11971	-0.29613	6.61E-11	0.015322	0.74122	-0.05795	0.21133	0.075996
0.117408	0.01111	0.06676	0.14975	-0.00552	0.90522	-0.07199	0.12027	0.080014
-0.24105	1.34E-07	0.081134	0.07986	0.036367	0.43301	0.141265	0.00221	-0.01278
0.102055	0.02743	0.010773	0.81639	0.022942	0.62093	-0.05188	0.26318	0.103565
0.298611	4.50E-11	0.203724	9.11E-06	0.024623	0.59558	-0.01626	0.72591	0.058647
0.195987	2.00E-05	0.004698	0.91934	-0.02977	0.52105	-0.08624	0.06259	0.098135
0.244873	8.35E-08	0.217777	2.03E-06	0.011753	0.80003	-0.06381	0.16863	0.098762
0.405666	6.31E-20	0.218512	1.87E-06	-0.00673	0.88464	-0.10468	0.02368	0.09891
0.188907	3.98E-05	-0.00116	0.98014	-0.00757	0.87048	-0.08773	0.05815	0.131631
0.298047	4.91E-11	0.279712	7.67E-10	0.020768	0.65441	-0.08765	0.0584	0.12853
0.20551	7.57E-06	0.054175	0.24262	0.01135	0.80675	-0.08244	0.07509	0.070874
0.319974	1.41E-12	0.079499	0.08614	-0.01027	0.8248	-0.07432	0.10871	0.098773
0.131616	0.00439	0.036237	0.43465	-0.01812	0.69616	-0.10758	0.02006	0.02367
0.261941	9.14E-09	-0.04725	0.30829	-0.04875	0.29313	-0.17563	0.00014	-0.02758
-0.16909	0.00024	-0.08356	0.07123	-0.02972	0.52173	0.046873	0.31213	-0.11606
0.102547	0.02669	-0.17058	0.00021	-0.02121	0.64753	-0.09399	0.04234	-0.02925
0.221761	1.30E-06	0.185589	5.46E-05	-0.02515	0.58773	-0.14823	0.00132	0.023215
-0.2502	4.26E-08	-0.11916	0.00996	0.039522	0.39415	0.16671	0.0003	0.014676
0.095246	0.03964	0.289161	1.91E-10	0.01759	0.70459	0.084698	0.06744	-0.03898
0.157016	0.00066	-0.12515	0.00677	-0.00614	0.89468	-0.12257	0.00801	0.035497
0.249052	4.93E-08	0.002643	0.95458	0.003787	0.93495	-0.09457	0.04108	-0.01593
0.006795	0.88357	-0.06362	0.16991	-0.0269	0.56194	-0.04093	0.3775	-0.09611
0.128022	0.0056	-0.14166	0.00215	-0.00118	0.97972	-0.08141	0.07882	0.067212
0.036287	0.43402	-0.24596	7.28E-08	-0.04703	0.31051	-0.13364	0.00381	-0.05699
0.331239	2.02E-13	0.005008	0.91405	-0.07166	0.12202	-0.2009	1.22E-05	-0.05896
0.197764	1.67E-05	-0.04118	0.37455	-0.08018	0.08346	-0.14812	0.00133	-0.19374

0.379109	2.07E-17	0.070215	0.12973	-0.04051	0.3824	-0.16406	0.00037	0.001668
0.37184	9.26E-17	0.302634	2.39E-11	0.000355	0.99389	-0.0902	0.05141	0.125461
0.152926	0.00092	-0.02009	0.66499	-0.04722	0.30856	-0.11963	0.00967	-0.06492
0.112034	0.01543	-0.25587	2.05E-08	-0.02035	0.66093	-0.15413	0.00083	-0.04788
0.289956	1.69E-10	0.117929	0.01076	-0.00054	0.99067	0.012553	0.78674	0.163279
0.197855	1.66E-05	-0.08889	0.05491	0.000565	0.99028	-0.10976	0.01765	0.099865
0.1221	0.00826	-0.02398	0.60523	-0.02668	0.56523	-0.16721	0.00028	0.058161
0.263286	7.62E-09	0.076536	0.09855	-0.00687	0.88232	-0.0923	0.0462	0.007507
0.077469	0.09449	-0.10535	0.0228	0.034054	0.46285	-0.04643	0.3167	-0.0221
0.104801	0.02352	0.059854	0.19665	-0.01629	0.72551	-0.01319	0.77611	0.040722
0.255113	2.26E-08	0.091019	0.04933	-0.00661	0.88663	-0.11518	0.01275	0.016766
0.44156	1.05E-23	0.067269	0.14665	-0.01507	0.74536	-0.1461	0.00155	-0.00688
0.122164	0.00822	-0.01418	0.75982	0.000975	0.98323	-0.03821	0.41006	0.124877
0.104364	0.02411	-0.14948	0.0012	-0.01852	0.68978	-0.11642	0.01181	-0.0696
0.161962	0.00044	0.076445	0.09895	-0.00093	0.984	-0.06981	0.13196	0.039537
0.229027	5.65E-07	0.030553	0.51013	0.00944	0.83877	-0.04095	0.37727	0.041424
0.348161	9.38E-15	0.067658	0.14433	-0.03134	0.49935	-0.15306	0.00091	-0.0404
0.204094	8.77E-06	0.115426	0.01256	-0.0437	0.34606	-0.15614	0.00071	-0.0809
0.245842	7.40E-08	0.172411	0.00018	0.005092	0.91261	-0.16463	0.00035	0.038536
0.465841	1.57E-26	0.183371	6.72E-05	-0.01094	0.81357	-0.10049	0.02992	0.056809
0.425614	5.69E-22	0.04335	0.34993	-0.01317	0.77647	-0.1272	0.00591	0.035684
0.055958	0.22744	-0.11863	0.01029	-0.04159	0.36982	-0.15551	0.00075	-0.09735
0.300802	3.19E-11	-0.12914	0.00519	-0.05351	0.24849	-0.15526	0.00076	-0.03801
0.523263	3.48E-34	0.320138	1.37E-12	-0.00609	0.89552	-0.08998	0.052	0.060175
0.217827	2.02E-06	0.010298	0.82435	0.010065	0.82826	-0.08872	0.05538	0.04232
0.301184	3.01E-11	-0.00984	0.832	-0.01568	0.73532	-0.14101	0.00225	-0.00207
0.237593	2.04E-07	0.183639	6.56E-05	0.014417	0.75601	-0.03497	0.45092	0.042188
0.294068	9.07E-11	0.235856	2.52E-07	0.02391	0.60629	-0.03497	0.45096	0.204503
-0.03494	0.45133	0.045594	0.32553	0.010764	0.81654	0.113933	0.01376	-0.02345
0.240617	1.41E-07	0.079124	0.08764	0.012553	0.78673	-0.06561	0.15689	0.072947
0.090585	0.05042	-0.14614	0.00154	-0.03964	0.39279	-0.13604	0.00322	-0.06869
0.202796	1.00E-05	-0.11004	0.01736	-0.033	0.47685	-0.09314	0.04425	0.034546
0.11787	0.0108	0.003731	0.9359	-0.01196	0.79657	-0.10453	0.02388	0.03069
0.080013	0.08413	-0.13017	0.00484	0.002974	0.94889	-0.07104	0.12527	-0.03385
0.247053	6.35E-08	0.011185	0.80951	0.04077	0.37937	-0.03535	0.44598	0.156145
0.194888	2.23E-05	0.018536	0.68951	0.020298	0.66174	-0.03206	0.48945	0.18201
0.197201	1.77E-05	0.016283	0.72563	-0.00594	0.89808	-0.0525	0.25748	-0.02408
0.343893	2.07E-14	-0.083	0.07316	-0.02393	0.606	-0.12212	0.00824	-0.01829
0.131417	0.00445	-0.11973	0.0096	-0.03453	0.45661	-0.12058	0.0091	0.052897
-0.18756	4.53E-05	-0.12782	0.00567	-0.00944	0.83873	0.055253	0.23336	-0.20959
0.426332	4.78E-22	0.344728	1.78E-14	-0.02362	0.6107	-0.12273	0.00793	-0.02338
0.192974	2.69E-05	0.173108	0.00017	0.049576	0.28501	-0.02013	0.66442	0.085757
-0.08243	0.07515	-0.2667	4.79E-09	-0.03725	0.42186	-0.07331	0.11364	-0.01673
-0.21147	4.03E-06	0.112161	0.01531	0.040714	0.38003	0.255417	2.17E-08	0.001009
0.295387	7.41E-11	0.055871	0.22817	0.024086	0.60363	-0.02735	0.55551	0.112179

0.081535	0.07837	0.03524	0.44742	-0.0078	0.86657	-0.11439	0.01338	0.076352
0.221437	1.35E-06	0.277761	1.02E-09	0.013504	0.77101	-0.0259	0.57668	0.073464
0.045868	0.32262	-0.0667	0.1501	0.002307	0.96034	-0.02974	0.52145	-0.11045
0.046	0.32123	-0.05596	0.2274	-0.04314	0.35227	-0.03215	0.48823	0.009699
0.177621	0.00011	-0.02362	0.61066	-0.01163	0.80201	-0.09339	0.04368	0.034325
0.294648	8.30E-11	0.05778	0.21264	-0.01144	0.80532	-0.12416	0.00723	0.045406
0.10599	0.02198	-0.13164	0.00438	-0.0479	0.3016	-0.08039	0.08266	0.082249
0.215393	2.63E-06	-0.1642	0.00037	-0.05497	0.23574	-0.17407	0.00016	-0.11651
0.245055	8.16E-08	0.064767	0.16231	0.023058	0.61918	-0.02899	0.53201	0.078331
0.169839	0.00023	0.054685	0.23822	0.02443	0.59848	-0.06812	0.14158	0.077511
0.131848	0.00432	-0.18805	4.32E-05	-0.07299	0.11521	-0.15045	0.00111	-0.08665
0.215594	2.58E-06	-0.02656	0.56702	-0.05173	0.26459	-0.17331	0.00017	-0.06105
-0.02875	0.53536	-0.15516	0.00077	-0.01259	0.78617	-0.04622	0.31893	-0.02373
0.207577	6.09E-06	0.055558	0.23079	-0.05093	0.27201	-0.13016	0.00484	0.010407
0.420527	1.95E-21	0.226614	7.48E-07	-0.01008	0.82801	-0.07169	0.12186	0.0916
0.138779	0.00265	0.018109	0.6963	-0.03133	0.49942	-0.13973	0.00247	-0.00241
0.16564	0.00032	0.009957	0.83008	-0.01835	0.69246	-0.12285	0.00787	0.032553
0.127544	0.00578	-0.12975	0.00498	-0.02166	0.64064	-0.08234	0.07545	0.044312
0.123192	0.00769	-0.14393	0.00182	-0.0164	0.72378	-0.10557	0.02251	-0.03297
0.064615	0.1633	-0.04082	0.37877	0.029434	0.52575	-0.05729	0.21656	0.078911
-0.01265	0.78508	-0.192	2.95E-05	-0.01058	0.81956	-0.06001	0.19549	-0.02764
0.064822	0.16195	-0.24181	1.22E-07	-0.07827	0.09114	-0.19244	2.83E-05	0.007124
0.088162	0.05694	-0.03714	0.42333	0.001295	0.97774	-0.07088	0.12611	0.078634
0.112967	0.01459	-0.26459	6.38E-09	-0.03763	0.41716	-0.20006	1.33E-05	-0.08566
0.472527	2.38E-27	0.039531	0.39404	-0.02016	0.66392	-0.14563	0.0016	-0.00482
0.255619	2.11E-08	0.007507	0.87146	-0.05072	0.27402	-0.19442	2.33E-05	-0.07639
0.225809	8.20E-07	0.082618	0.07448	-0.00262	0.95499	-0.02766	0.55094	0.013723
0.07114	0.12474	-0.09466	0.04089	-0.01414	0.76061	-0.09742	0.03532	0.002545
0.31414	3.73E-12	-0.02822	0.543	-0.01948	0.67465	-0.1138	0.01387	-0.00169
0.156569	0.00069	-0.05994	0.196	-0.06143	0.18513	-0.15487	0.00078	-0.03096
0.297617	5.25E-11	0.182389	7.36E-05	0.063514	0.17061	-0.06438	0.16484	0.167925
0.350386	6.18E-15	0.085751	0.06409	-0.03691	0.42621	-0.16878	0.00025	0.053569
0.111091	0.01632	-0.27999	7.37E-10	-0.0119	0.79756	-0.17633	0.00013	-0.06597
0.163473	0.00039	0.090669	0.05021	0.004542	0.92202	-0.05977	0.1973	0.027842
0.01295	0.78017	-0.18793	4.37E-05	-0.06682	0.14936	-0.17794	0.00011	-0.10599
0.15076	0.00108	-0.08569	0.06427	0.005296	0.90913	-0.10828	0.01926	-0.04737
0.16077	0.00049	-0.11345	0.01416	-0.05728	0.21665	-0.17091	0.00021	-0.02061
0.211684	3.94E-06	-0.00631	0.8918	-0.00651	0.88841	-0.12189	0.00837	-0.01979
0.11876	0.01021	-0.02501	0.58976	0.038613	0.40512	-0.06072	0.19021	0.023981
0.143245	0.00191	-0.02938	0.52649	-0.02637	0.56972	-0.14721	0.00142	0.062176
0.279492	7.92E-10	0.050178	0.27919	-0.01035	0.82353	-0.09958	0.03143	-0.0204
0.070711	0.12704	-0.11833	0.01049	-0.05027	0.27834	-0.11448	0.01331	-0.06006
0.150507	0.0011	-0.10747	0.02018	-0.03781	0.41495	-0.14806	0.00133	0.071727
0.03141	0.49833	-0.10265	0.02655	0.047813	0.30251	-0.02968	0.52229	0.065303
0.244332	8.93E-08	0.094094	0.04211	-0.01914	0.68001	-0.16396	0.00037	0.034356

0.118503	0.01038	-0.14078	0.00229	-0.02273	0.62418	-0.1103	0.0171	-0.03817
0.196305	1.93E-05	0.219373	1.70E-06	-0.0355	0.44401	-0.14871	0.00127	0.008507
0.035475	0.44439	-0.22726	6.94E-07	-0.01028	0.82457	-0.07189	0.12083	-0.0388
0.349295	7.59E-15	0.285804	3.15E-10	0.019624	0.67232	-0.091	0.04939	0.093108
0.227736	6.57E-07	0.109441	0.01799	0.010704	0.81754	-0.07448	0.10794	0.04413
0.276335	1.25E-09	0.069316	0.13473	-0.01041	0.82241	-0.09661	0.03689	0.058527
0.177826	0.00011	0.025789	0.57828	0.002717	0.9533	-0.08914	0.05424	0.012854
0.213615	3.20E-06	-0.15229	0.00096	-0.00727	0.87543	-0.17127	0.0002	0.03694
0.021448	0.64386	-0.22815	6.26E-07	-0.05381	0.24585	-0.13976	0.00247	0.015369
0.039367	0.39601	-0.03152	0.49681	-0.02849	0.53909	-0.09321	0.04409	-0.09572
0.398853	2.93E-19	0.092596	0.0455	-0.042	0.36511	-0.16159	0.00046	0.049786
0.241607	1.25E-07	0.117409	0.01111	0.006573	0.88734	-0.08111	0.07993	0.073868
0.159559	0.00054	-0.08339	0.07182	-0.03498	0.45083	-0.1648	0.00035	-0.04508
0.120728	0.00901	-0.05399	0.24428	0.001	0.9828	-0.02844	0.53986	0.013563
0.188109	4.30E-05	-0.0152	0.74325	-0.00524	0.9101	-0.07425	0.10904	0.122681
0.207463	6.17E-06	0.076094	0.10051	-0.00037	0.9937	-0.09238	0.04602	-0.02012
0.211646	3.95E-06	0.081286	0.07929	-0.02081	0.65372	-0.09657	0.03695	-0.05826
0.157333	0.00064	-0.13959	0.0025	-0.01308	0.77793	-0.13059	0.0047	-0.01262
-0.09602	0.03806	0.13213	0.00423	-0.009	0.84613	0.04833	0.2973	-0.06069
0.026739	0.56435	-0.24808	5.58E-08	-0.02232	0.63042	-0.14519	0.00166	-0.04722
0.206452	6.86E-06	0.0139	0.76449	-0.01918	0.67927	-0.14177	0.00213	0.017122
0.031487	0.49728	-0.21559	2.58E-06	-0.01482	0.74938	-0.10626	0.02164	-0.0446
0.342818	2.52E-14	0.090601	0.05038	0.003526	0.93942	-0.0733	0.11369	0.090674
0.21155	3.99E-06	0.008381	0.85665	0.008942	0.84718	-0.0739	0.11074	0.05962
0.139867	0.00245	-0.04902	0.29046	-0.02851	0.53882	-0.08865	0.05556	0.037704
0.199392	1.42E-05	0.082758	0.07399	0.008056	0.86215	-0.01768	0.70314	0.038137
0.134946	0.00348	-0.23311	3.50E-07	0.045647	0.32496	-0.02948	0.52515	0.147187
0.2193	1.71E-06	-0.01113	0.81034	-0.03438	0.45855	-0.16912	0.00024	-0.08957
0.194518	2.31E-05	-0.00752	0.87116	-0.0189	0.68366	-0.15936	0.00055	-0.02236
0.317785	2.03E-12	0.083602	0.07108	0.011416	0.80565	-0.1066	0.02122	0.031496
0.211734	3.92E-06	-0.04708	0.30999	-0.02952	0.5246	-0.11712	0.01131	0.021519
0.210094	4.67E-06	-0.02164	0.64086	-0.00803	0.86261	-0.14275	0.00199	0.047312
0.429152	2.39E-22	0.055419	0.23196	-0.02659	0.56653	-0.21282	3.48E-06	0.00609
0.133028	0.00398	-0.1694	0.00024	-0.05863	0.20598	-0.15198	0.00099	-0.12657
0.452278	6.32E-25	0.240827	1.38E-07	-0.00447	0.92332	-0.12581	0.00648	0.098238
0.205353	7.69E-06	0.051084	0.27059	-0.01106	0.81156	-0.1237	0.00744	0.106936
0.090838	0.04978	-0.01975	0.67026	-0.01984	0.66886	-0.0847	0.06742	0.026808
0.16412	0.00037	-0.00505	0.91327	-0.05277	0.25509	-0.14257	0.00201	0.016265
0.023654	0.61014	-0.30322	2.18E-11	-0.04865	0.29407	-0.21584	2.51E-06	-0.08514
0.25045	4.12E-08	0.032081	0.48918	0.002536	0.95641	-0.07119	0.12449	-0.0477
0.126418	0.00623	-0.15881	0.00057	-0.02021	0.66307	-0.13848	0.00271	0.022413
0.29194	1.25E-10	0.392235	1.26E-18	0.080277	0.0831	0.036139	0.4359	0.191634
0.064449	0.16439	-0.19392	2.45E-05	-0.02732	0.55598	-0.0669	0.1489	-0.02941
0.084963	0.06658	-0.12261	0.00799	-0.04563	0.3251	-0.10838	0.01914	-0.02623
0.183072	6.91E-05	0.070471	0.12833	-0.0155	0.73832	-0.08941	0.0535	0.030926

0.169168	0.00024	-0.15631	0.0007	-0.03683	0.42715	-0.14795	0.00134	-0.03089
0.36159	7.17E-16	0.301582	2.83E-11	0.032687	0.48101	-0.07037	0.12886	0.146376
0.223589	1.06E-06	0.042906	0.35489	-0.00015	0.99747	-0.1197	0.00962	0.09393
0.237151	2.16E-07	-0.05872	0.20525	-0.02578	0.57843	-0.19566	2.06E-05	-0.1418
0.143285	0.00191	-0.24437	8.89E-08	-0.03837	0.40807	-0.15052	0.0011	-0.09021
0.295852	6.90E-11	-0.03098	0.50417	0.009398	0.83949	-0.13733	0.00294	-0.06599
0.147021	0.00144	-0.05521	0.23369	-0.02634	0.57022	-0.06366	0.1696	0.030955
0.355023	2.56E-15	0.255178	2.24E-08	0.022176	0.63265	-0.07361	0.11215	0.052915
0.198094	1.62E-05	-0.06136	0.18563	-0.02377	0.60846	-0.11715	0.01129	-0.04695
0.182174	7.51E-05	-0.09879	0.03282	-0.02307	0.61899	-0.12184	0.00839	-0.02102
0.312442	4.93E-12	-0.02235	0.62992	-0.0336	0.46889	-0.15259	0.00094	-0.0141
0.396823	4.61E-19	0.275319	1.44E-09	-0.00423	0.92739	-0.05737	0.2159	0.052415
0.372141	8.71E-17	-0.02625	0.57153	-0.0444	0.33838	-0.20428	8.60E-06	-0.09747
0.236092	2.45E-07	-0.01883	0.68488	0.002481	0.95736	-0.08612	0.06296	0.204422
0.266198	5.13E-09	0.191189	3.20E-05	0.013924	0.7641	-0.12075	0.009	0.073989
0.121712	0.00846	0.006446	0.88951	-0.04812	0.29942	-0.10737	0.0203	-0.08764
0.246795	6.56E-08	0.081802	0.0774	0.029515	0.52461	0.01529	0.74173	0.102023
0.265426	5.70E-09	0.00759	0.87006	-0.00659	0.88702	-0.15316	0.0009	-0.05949
0.003021	0.9481	-0.18208	7.58E-05	0.014287	0.75814	-0.01438	0.75665	0.010917
0.322589	9.04E-13	0.155846	0.00073	-0.00289	0.95038	-0.08451	0.06804	0.02476
0.04515	0.33027	0.074067	0.10993	0.006966	0.88066	-0.04499	0.33202	0.013261
0.213822	3.13E-06	0.018524	0.68969	-0.01762	0.70403	-0.08429	0.06877	0.029187
0.15377	0.00086	-0.01699	0.7143	-0.01816	0.69543	-0.09271	0.04525	0.011785
0.193449	2.56E-05	-0.07932	0.08685	-0.0321	0.489	-0.11429	0.01346	0.043867
0.232437	3.79E-07	-0.04542	0.32739	-0.00715	0.87747	-0.08703	0.06022	0.039434
0.122894	0.00784	-0.17054	0.00021	-0.0079	0.86478	-0.09971	0.03121	0.026492
0.348636	8.58E-15	0.166075	0.00031	0.030719	0.50783	-0.03742	0.4198	0.074164
0.125934	0.00643	-0.17147	0.0002	0.010041	0.82866	-0.09874	0.03291	-0.02486
0.325443	5.54E-13	0.262637	8.32E-09	0.042694	0.35728	-0.02098	0.65104	0.110398
0.363367	5.05E-16	-0.03033	0.51321	0.000165	0.99716	-0.09232	0.04616	0.001203
0.149636	0.00118	-0.00681	0.88336	-0.03835	0.40832	-0.11445	0.01333	-0.01818
0.177511	0.00012	0.010872	0.81474	0.004656	0.92007	-0.09306	0.04442	0.005471
0.068325	0.14041	-0.17355	0.00016	-0.01584	0.73285	-0.16014	0.00051	-0.02432
0.139502	0.00252	0.005714	0.90199	-0.04288	0.35522	-0.13788	0.00283	-0.03347
0.095808	0.03849	-0.11477	0.01307	-0.04677	0.31322	-0.14657	0.00149	-0.02782
0.042465	0.35986	-0.00128	0.97804	-0.03572	0.4412	-0.09135	0.04851	-0.00806
-0.00998	0.82976	-0.11808	0.01065	-0.08147	0.07862	-0.16026	0.00051	-0.05435
0.236131	2.44E-07	0.026482	0.5681	0.004851	0.91672	-0.04516	0.33019	0.098598
0.197247	1.76E-05	-0.07152	0.12274	0.018826	0.6849	-0.13285	0.00403	0.001772
0.016727	0.71845	-0.11796	0.01073	0.011021	0.81224	-0.08032	0.08293	0.099836
0.353785	3.24E-15	0.328324	3.37E-13	0.005309	0.90891	-0.0546	0.23892	0.097259
0.362448	6.05E-16	0.233215	3.46E-07	-0.00808	0.86177	-0.06652	0.15123	0.095547
0.202078	1.08E-05	0.088097	0.05712	-0.03412	0.46204	-0.14931	0.00121	0.065055
0.182218	7.48E-05	0.066327	0.15241	-0.02017	0.66376	-0.1273	0.00587	0.069111
0.200363	1.29E-05	0.163495	0.00039	-0.00368	0.9368	-0.11202	0.01544	0.089271

0.252603	3.13E-08	0.036805	0.42749	-0.02614	0.57315	-0.13369	0.0038	0.011013
0.280332	7.01E-10	-0.05727	0.21667	0.021921	0.63657	-0.10658	0.02125	0.001726
0.121522	0.00857	-0.23205	3.97E-07	-0.03101	0.50379	-0.15814	0.0006	-0.03915
0.347923	9.81E-15	0.145849	0.00158	0.004976	0.9146	-0.12094	0.00889	0.09015
0.22303	1.13E-06	0.002179	0.96255	-0.0686	0.13878	-0.19064	3.37E-05	-0.04399
0.357233	1.67E-15	0.414576	8.01E-21	-0.01615	0.72775	-0.08035	0.08283	0.019797
0.120237	0.0093	-0.10678	0.02101	0.011535	0.80366	-0.02903	0.53144	0.001949
0.027127	0.55872	-0.22427	9.78E-07	-0.03952	0.39418	-0.09956	0.03146	-0.113
0.35229	4.31E-15	0.157857	0.00062	0.024727	0.59403	-0.05714	0.21777	0.055073
0.226937	7.20E-07	-0.03854	0.40603	-0.02804	0.54559	-0.12339	0.0076	0.025321
0.232894	3.59E-07	-0.05148	0.26685	-0.02464	0.5954	-0.14034	0.00237	-0.0908
0.184901	5.83E-05	0.040098	0.38728	-0.03436	0.45882	-0.13233	0.00418	0.020312
0.103318	0.02557	-0.07929	0.08697	-0.02875	0.53541	-0.09119	0.04891	-0.04334
-0.03994	0.38912	0.162439	0.00042	0.045857	0.32274	0.224179	9.88E-07	0.002705
0.33444	1.15E-13	-0.04061	0.38128	0.008832	0.84903	-0.10685	0.02092	0.051167
0.059574	0.19876	-0.01566	0.73565	-0.04241	0.36044	-0.14525	0.00165	-0.07361
0.136357	0.00315	-0.12292	0.00783	-0.0215	0.64299	-0.07121	0.12436	-0.03512
0.09987	0.03094	-0.0526	0.25664	0.020958	0.65145	-0.07132	0.12378	0.06187
0.135486	0.00335	-0.089	0.05462	-0.00326	0.94396	-0.07981	0.08492	0.082213
0.217278	2.14E-06	-0.03707	0.42415	-0.03062	0.50922	-0.16287	0.00041	0.064872
0.241854	1.21E-07	0.010226	0.82556	0.020267	0.66223	-0.05441	0.24062	0.051077
0.148962	0.00124	-0.07435	0.10858	-0.04977	0.28312	-0.13624	0.00318	-0.09915
0.204895	8.07E-06	-0.07124	0.12422	-0.00659	0.88701	-0.13496	0.00348	0.033351
0.121881	0.00837	-0.15072	0.00109	0.01029	0.82448	-0.07051	0.12812	0.001254
0.172169	0.00019	0.037297	0.42134	-0.01355	0.77032	-0.09779	0.03463	0.054521
0.31244	4.93E-12	0.102412	0.0269	0.009473	0.83823	-0.06369	0.16943	0.117595
0.130153	0.00485	0.068996	0.13654	-0.00657	0.88739	-0.03314	0.47496	0.029785
0.143717	0.00185	-0.11216	0.01531	-0.0353	0.44658	-0.13912	0.00259	-0.09343
0.362437	6.07E-16	0.143157	0.00193	0.026746	0.56424	-0.07892	0.08848	0.118586
0.137693	0.00287	-0.08446	0.06821	-0.00139	0.97608	-0.12789	0.00564	-0.10887
0.151045	0.00106	0.105761	0.02227	0.008904	0.84782	-0.07861	0.08973	0.009775
0.27264	2.10E-09	0.088827	0.05508	0.02061	0.65687	-0.04826	0.29801	0.058778
0.16909	0.00024	-0.06344	0.17111	0.003855	0.93379	-0.07995	0.08438	0.014439
0.22922	5.53E-07	0.149547	0.00119	-0.01873	0.68641	-0.06241	0.17815	0.034603
0.130681	0.00468	0.018803	0.68526	0.032251	0.48689	-0.01106	0.81159	0.12545
0.075241	0.1044	-0.11552	0.01249	-0.035	0.45054	-0.11053	0.01687	0.058812
0.264687	6.30E-09	0.164475	0.00036	-0.01609	0.72868	-0.09079	0.0499	0.038
0.053347	0.24991	-0.18469	5.94E-05	-0.01578	0.73382	-0.11813	0.01062	0.019994
0.202164	1.07E-05	0.068457	0.13964	0.026709	0.56479	-0.02456	0.5966	0.017153
0.202099	1.08E-05	-0.06537	0.15845	0.036723	0.42852	-0.088	0.05741	0.021338
0.271935	2.32E-09	0.149929	0.00116	0.031083	0.50281	-0.08879	0.05518	0.016689
0.260437	1.12E-08	0.084549	0.06793	0.001338	0.977	-0.02611	0.57359	-0.00299
0.340148	4.11E-14	-0.06389	0.16808	-0.02905	0.53124	-0.18775	4.45E-05	-0.10024
0.15217	0.00097	-0.12113	0.00879	-0.01594	0.73112	-0.07292	0.11556	0.009855
-0.03197	0.49075	-0.19705	1.80E-05	-0.01149	0.80436	-0.14562	0.0016	-0.05325

-0.04858	0.2948	-0.24893	5.01E-08	-0.04683	0.31256	-0.11263	0.01489	-0.10312
0.072941	0.11545	-0.12748	0.0058	-0.03018	0.51526	-0.12911	0.0052	0.007539
0.322504	9.17E-13	0.248561	5.25E-08	0.031629	0.49534	-0.09174	0.04754	0.008417
0.162358	0.00043	-0.03169	0.49444	0.030828	0.50632	-0.08114	0.07982	-0.03217
-0.01423	0.75902	-0.19936	1.42E-05	0.026762	0.56402	-0.02675	0.56422	-0.04966
0.101633	0.02808	-0.07597	0.10107	0.023923	0.60608	-0.04282	0.35585	0.015935
0.391147	1.60E-18	0.299412	3.97E-11	0.014351	0.75709	-0.06795	0.14263	0.082667
0.218956	1.78E-06	0.08009	0.08383	-0.0379	0.41386	-0.10496	0.02331	-0.12058
0.034615	0.45551	-0.24741	6.07E-08	-0.00675	0.88428	-0.08025	0.0832	-0.04904
0.285153	3.46E-10	0.014189	0.75974	0.01034	0.82365	-0.18256	7.25E-05	-0.0506
0.246405	6.89E-08	0.236772	2.26E-07	0.016757	0.71797	-0.04433	0.3391	0.113886
0.150572	0.0011	-0.04765	0.30418	-0.0479	0.30162	-0.17077	0.00021	-0.00038
0.294845	8.05E-11	0.05647	0.22321	-0.02115	0.64843	-0.15657	0.00069	-0.03591
0.145261	0.00165	-0.1077	0.01991	-0.01899	0.68235	-0.06062	0.191	0.082944
0.180438	8.82E-05	0.033794	0.46628	-0.02566	0.58021	-0.12811	0.00556	0.038636
0.217707	2.04E-06	0.117821	0.01083	-0.02664	0.56586	-0.03521	0.44777	0.062181
0.098644	0.03307	0.075489	0.10325	-0.01896	0.68284	-0.11073	0.01667	-0.09933
0.287414	2.48E-10	0.024033	0.60443	0.037077	0.42408	-0.07859	0.08982	0.070004
0.157007	0.00066	-0.14067	0.00231	-0.01566	0.73578	-0.08402	0.06968	0.007629
0.191139	3.21E-05	-0.00868	0.85157	0.04246	0.35992	-0.04696	0.31119	-0.01355
0.071792	0.12131	-0.07275	0.11639	0.003173	0.94547	-0.03618	0.43534	-0.10146
0.187565	4.53E-05	0.040117	0.38706	-0.01217	0.79302	-0.10351	0.0253	-0.05662
0.12627	0.00629	-0.00698	0.88037	0.027111	0.55894	-0.04441	0.33827	-0.03316
0.193344	2.59E-05	0.074953	0.10573	-0.02561	0.58097	-0.17465	0.00015	-0.09959
0.056771	0.22075	-0.273	2.00E-09	-0.0278	0.54906	-0.22021	1.55E-06	-0.10661
0.108786	0.01869	-0.00287	0.95066	-0.01975	0.67027	-0.09214	0.04658	-0.07139
0.170634	0.00021	0.044436	0.33797	0.015228	0.74275	-0.07573	0.10215	0.040484
0.27305	1.98E-09	-0.02456	0.59655	-0.02124	0.64706	-0.15899	0.00056	-0.05885
0.196336	1.93E-05	0.070095	0.13039	-0.00304	0.94785	-0.06094	0.18867	0.00327
0.105273	0.02289	-0.2227	1.17E-06	0.014567	0.75354	-0.10511	0.02311	0.004007
0.066238	0.15296	-0.14699	0.00145	0.018559	0.68914	-0.02135	0.64535	0.011582
0.189902	3.62E-05	-0.10391	0.02473	0.024084	0.60366	-0.1212	0.00874	-0.08229
0.137072	0.003	-0.09499	0.04019	-0.03456	0.45623	-0.12326	0.00766	-0.0864
0.260738	1.07E-08	0.089393	0.05355	-0.00269	0.9537	-0.11234	0.01514	0.058995
0.141676	0.00215	0.011544	0.8035	0.008582	0.85326	-0.04658	0.31515	0.03727
0.374519	5.36E-17	0.295437	7.35E-11	0.029327	0.52725	-0.07729	0.09524	0.072997
0.171032	0.0002	-0.02092	0.65208	-0.0386	0.40533	-0.14715	0.00143	-0.06387
0.29908	4.18E-11	0.145683	0.0016	0.009261	0.8418	-0.05905	0.20271	0.042804
0.263748	7.16E-09	0.048795	0.29267	0.026863	0.56255	-0.06794	0.14268	0.121902
0.074093	0.1098	-0.08434	0.0686	0.036823	0.42726	-0.08639	0.06212	-0.06532
0.056722	0.22115	-0.07086	0.12622	-0.02808	0.54496	-0.08612	0.06297	-0.04562
0.082261	0.07575	0.052368	0.25872	0.010314	0.82409	-0.08483	0.067	-0.01029
0.150777	0.00108	-0.15791	0.00062	-0.03702	0.42481	-0.1486	0.00128	-0.05848
0.256309	1.93E-08	0.030303	0.5136	0.007438	0.87264	-0.11226	0.01522	0.083849
0.064393	0.16475	0.005182	0.91107	0.021187	0.6479	-0.02799	0.54629	0.170356

0.011333	0.80703	-0.20174	1.12E-05	0.007022	0.8797	-0.12692	0.00602	-0.03096
0.262567	8.40E-09	0.371241	1.05E-16	0.028022	0.54581	0.135394	0.00337	0.090271
0.153929	0.00085	0.057236	0.21698	-0.01282	0.78228	-0.02069	0.65556	-0.08497
0.13209	0.00424	0.107264	0.02042	0.064601	0.16339	-0.00119	0.97955	-0.03444
0.318173	1.91E-12	0.476091	8.57E-28	0.010535	0.82038	-0.05548	0.23142	0.176612
-0.0846	0.06776	-0.31999	1.41E-12	-0.0064	0.89033	-0.03696	0.42557	-0.08005
-0.14199	0.0021	-0.31656	2.50E-12	-0.0378	0.41514	-0.08681	0.06086	-0.13567
-0.20107	1.20E-05	-0.35558	2.30E-15	-0.02283	0.62269	-0.02544	0.58336	-0.05333
-0.12095	0.00889	-0.31058	6.68E-12	-0.02501	0.58988	-0.05837	0.20797	-0.14073
0.09055	0.05052	0.0622	0.17964	-0.01379	0.76624	-0.02405	0.60423	-0.13339
-0.20256	1.03E-05	-0.41957	2.45E-21	-0.05639	0.22386	-0.1877	4.47E-05	-0.17396
-0.1546	0.0008	-0.22274	1.16E-06	0.079987	0.08423	0.234274	3.05E-07	0.158988
-0.03301	0.47668	-0.12702	0.00598	0.024077	0.60377	-0.06314	0.17317	-0.03817
-0.05785	0.21208	-0.16147	0.00046	-0.01981	0.66934	-0.06226	0.17921	-0.07059
0.11906	0.01002	0.257569	1.64E-08	0.038388	0.40787	-0.0537	0.2468	-0.02362
0.203921	8.92E-06	0.136606	0.0031	0.035798	0.44024	-0.0449	0.33298	0.017531
0.156764	0.00067	0.006279	0.89236	0.051185	0.26965	0.012319	0.79062	0.269958
0.02953	0.5244	0.243983	9.33E-08	0.075703	0.10228	0.203903	8.94E-06	0.04588
-0.04382	0.34476	-0.0429	0.35493	0.056436	0.22349	-0.00993	0.83054	0.166577
0.202685	1.01E-05	-0.07593	0.10124	-0.02088	0.65273	-0.12344	0.00757	0.056765
0.270923	2.67E-09	0.492455	6.72E-30	0.010422	0.82228	0.027214	0.55745	-0.02439
-0.10364	0.02512	-0.35337	3.51E-15	0.074864	0.10615	0.111233	0.01618	0.004488
-0.08965	0.05287	-0.2462	7.07E-08	0.000356	0.99387	-0.06079	0.18974	0.03786
0.231085	4.44E-07	0.207968	5.85E-06	-0.06163	0.18367	-0.16845	0.00026	-0.05597
0.036509	0.43121	-0.08761	0.05851	-0.00389	0.93314	-0.01718	0.71123	-0.07156
0.11143	0.01599	0.097911	0.03441	-0.0297	0.52196	-0.02424	0.60138	-0.10449
-0.03134	0.49922	0.085253	0.06566	0.052924	0.25369	0.050738	0.27386	0.15429
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0.133191	0.00393	-0.02312	0.61824	-0.00655	0.88773	-0.04003	0.38809	-0.09103
-0.02169	0.64015	-0.16281	0.00041	0.014899	0.74812	0.039903	0.3896	0.02987
0.189551	3.74E-05	0.320579	1.27E-12	0.054692	0.23815	0.100582	0.02976	0.196376
0.020965	0.65135	-0.02787	0.54806	0.071553	0.12256	0.15394	0.00084	-0.01015
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0.00986	0.8317	-0.15549	0.00075	0.058148	0.20974	0.018527	0.68964	-0.0393
0.104012	0.02459	0.011347	0.8068	-0.03919	0.39815	-0.06114	0.18716	0.054361
0.039821	0.39057	-0.13785	0.00283	-0.03341	0.47135	-0.10459	0.0238	-0.01859
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0.009288	0.84133	-0.04658	0.31516	0.003059	0.94743	-0.01602	0.72995	0.023183
0.014432	0.75576	-0.11333	0.01427	-0.04713	0.30944	-0.06995	0.13116	-0.06767
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0.00018	0.99691	-0.01859	0.68872	-0.00665	0.88598	0.023289	0.61567	-0.00087
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-0.06476	0.16237	0.008278	0.85839	-0.01851	0.68995	-0.02862	0.53724	-0.07964
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0.042161	0.36331	0.088154	0.05696	-0.02731	0.55602	-0.01421	0.75947	-0.0328
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0.010858	0.81496	-0.03953	0.39407	0.035682	0.44173	0.026344	0.57012	-0.02805
0.001475	0.97464	-0.11316	0.01442	-0.03253	0.48307	-0.10055	0.02981	-0.07478
0.235744	2.56E-07	0.004722	0.91893	0.003086	0.94697	-0.07837	0.0907	-0.06291
0.133237	0.00392	0.070559	0.12786	-0.00937	0.8399	-0.00797	0.86355	-0.02028
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0.000625	0.98925	-0.13548	0.00335	-0.02327	0.61597	0.021116	0.64901	-0.03533
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-0.03653	0.431	-0.07462	0.10731	-0.0189	0.68374	-0.03365	0.46818	-0.06117
-0.02496	0.59053	-0.01632	0.72498	-0.01634	0.72463	-0.03182	0.49279	-0.01244
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0.033071	0.47588	0.063971	0.16755	0.026985	0.56078	-0.01828	0.69365	-0.03794
0.066399	0.15196	-0.05369	0.24691	0.026247	0.57154	-0.02494	0.59089	-0.02769
0.092707	0.04525	-0.13787	0.00283	-0.01863	0.68798	-0.08913	0.05425	-0.12678
0.034024	0.46325	0.055229	0.23357	-0.05205	0.26166	-0.03553	0.44367	-0.05398
0.035119	0.44897	-0.00262	0.95505	0.001936	0.96671	-0.04342	0.34911	-0.04914
0.044512	0.33715	-0.00134	0.97701	-0.01206	0.79496	-0.03411	0.4621	-0.01541
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-0.03011	0.51628	-0.04633	0.31778	-0.00924	0.84215	-0.0605	0.19185	0.005825
0.157235	0.00065	0.190702	3.35E-05	0.027693	0.55053	-0.04283	0.35575	-0.00711
-0.02353	0.61201	-0.03802	0.41234	0.020334	0.66118	0.065709	0.15628	0.037662
0.052847	0.25438	-0.01541	0.73971	-0.02626	0.57134	0.024308	0.60029	-0.03955
0.023907	0.60633	-0.02945	0.52548	0.073679	0.11181	0.028802	0.53467	-0.00628
-0.00632	0.89165	-0.01296	0.78005	-0.01855	0.68927	-0.01608	0.72896	-0.03873
-0.03155	0.49641	-0.06707	0.14783	-0.01694	0.71502	0.003191	0.94517	-0.0338
-0.01378	0.76647	0.129241	0.00516	-0.00488	0.91628	0.020338	0.66111	-0.01455
0.15791	0.00062	0.171718	0.00019	-0.01379	0.76627	0.007029	0.87959	0.081984
0.023162	0.61759	0.000555	0.99045	-0.07997	0.0843	-0.10168	0.02802	-0.04281
-0.06227	0.17913	-0.04952	0.28555	-0.04315	0.35212	-0.03999	0.3886	-0.02808
-0.0195	0.67433	-0.07196	0.12044	0.005101	0.91246	-0.00803	0.86255	-0.01864
0.000335	0.99423	-0.0432	0.35155	-0.01023	0.82542	0.040516	0.38235	0.028225
-0.01604	0.72961	0.024506	0.59733	0.012169	0.79311	0.051036	0.27105	-0.02156
0.019006	0.68205	0.023522	0.61214	-0.00961	0.8359	-0.03367	0.46786	-0.04536
0.107863	0.01973	0.008283	0.85831	-0.01163	0.80216	-0.0213	0.64614	-0.03037
-0.02239	0.62942	-0.02959	0.52353	-0.00958	0.83639	-0.00786	0.8654	-0.01547
0.002403	0.95869	-0.03325	0.47343	-0.03617	0.43555	-0.04125	0.37374	-0.0319
0.071147	0.1247	-0.08258	0.07462	-0.04168	0.36883	-0.11305	0.01451	-0.03256
-0.07432	0.1087	-0.19375	2.49E-05	-0.03288	0.47848	-0.08078	0.08119	-0.07253
-0.0025	0.95706	-0.10614	0.02178	-0.02439	0.5991	-0.06532	0.15876	-0.07529

0.009813	0.8325	-0.3392	4.88E-14	-0.02461	0.59585	-0.11239	0.0151	-0.07002
0.064823	0.16194	-0.02071	0.65527	-0.04638	0.31729	-0.07478	0.10656	-0.00986
0.061489	0.18468	-0.00536	0.90804	0.050168	0.27929	0.038441	0.40722	0.11161
0.001258	0.97837	0.126814	0.00607	0.003525	0.93944	0.11791	0.01077	-0.00141
-0.01705	0.71333	0.038763	0.40329	-0.02706	0.55966	0.037164	0.42299	-0.02173
0.031669	0.49479	-0.04047	0.3829	-0.01987	0.66841	0.007569	0.87041	0.072274
0.211828	3.88E-06	-0.01988	0.66821	-0.06898	0.13663	-0.04803	0.30034	-0.03914
-0.05171	0.26476	-0.08815	0.05697	-0.00667	0.88575	-0.02375	0.60875	-0.04663
0.042535	0.35907	0.071397	0.12338	-0.00014	0.99751	0.045894	0.32235	0.058415
-0.04927	0.28798	-0.04019	0.38625	0.042589	0.35846	0.029753	0.52127	0.016342
0.112579	0.01493	0.235222	2.72E-07	0.004053	0.9304	0.129428	0.00509	0.003135
-0.20214	1.07E-05	0.000682	0.98827	0.081688	0.07781	0.178743	0.0001	0.255969
-0.12759	0.00576	0.071187	0.12449	-0.00126	0.97842	0.046733	0.31358	-0.01214
0.023851	0.60718	-0.05267	0.25597	-0.06509	0.16025	-0.05621	0.22536	-0.06388
0.04885	0.29213	0.283562	4.38E-10	0.012964	0.77992	0.016651	0.71968	0.073193
0.094914	0.04034	0.147576	0.00138	0.106714	0.02108	0.242116	1.18E-07	-0.05863
-0.17854	0.0001	-0.3253	5.68E-13	-0.03933	0.39641	-0.11625	0.01194	-0.10679
0.008007	0.86299	-0.17609	0.00013	0.039902	0.38961	-0.03169	0.49444	-0.0077
-0.06245	0.17787	0.052748	0.25527	-0.04651	0.31593	-0.00785	0.86572	-0.05668
-0.11165	0.01578	-0.07841	0.09055	0.085345	0.06537	0.257699	1.61E-08	0.027161
-0.04434	0.33902	0.144214	0.00178	-0.04285	0.35551	-0.07978	0.08504	-0.00147
0.096872	0.03637	0.256518	1.88E-08	-0.03198	0.49051	-0.02094	0.65172	-0.03465
-0.14972	0.00117	-0.163	0.00041	-0.03855	0.40586	0.032545	0.48293	-0.1344
0.145205	0.00165	0.443707	6.01E-24	0.075963	0.1011	0.136876	0.00304	0.188774
0.234409	3.00E-07	0.415319	6.72E-21	0.008446	0.85556	0.006063	0.89604	0.101305
0.020573	0.65744	0.038436	0.40728	0.12204	0.00829	0.273607	1.83E-09	0.139157
0.119696	0.00962	-0.26155	9.63E-09	-0.00694	0.88107	-0.12755	0.00577	-0.09196
0.075036	0.10534	-0.02087	0.6529	-0.01374	0.76715	-0.08853	0.05591	-0.01914
0.033209	0.47403	-0.19588	2.02E-05	-0.02437	0.59933	-0.12944	0.00509	-0.01882
-0.08115	0.07978	-0.28783	2.33E-10	-0.06717	0.14722	-0.02117	0.6482	-0.21512
0.325483	5.51E-13	0.25237	3.22E-08	-0.01874	0.68634	-0.14803	0.00134	-0.1627
0.028605	0.53748	-0.0267	0.56494	0.023078	0.61887	0.003968	0.93186	-0.00624
-0.11488	0.01298	-0.05518	0.23397	0.008776	0.84997	0.07116	0.12463	0.041476
-0.1424	0.00204	-0.04913	0.28936	0.122895	0.00784	0.166169	0.00031	0.112977
-0.08136	0.07903	-0.02867	0.53661	0.147566	0.00138	0.202809	1.00E-05	0.059192
-0.21935	1.70E-06	-0.01405	0.76207	0.04926	0.28809	0.211195	4.15E-06	-0.01897
-0.19432	2.35E-05	-0.30934	8.18E-12	-0.02485	0.59221	-0.07015	0.13011	-0.14506
-0.06011	0.19477	-0.14011	0.00241	0.027813	0.54881	-0.09458	0.04106	-0.04554
-0.17318	0.00017	-0.14578	0.00158	0.073514	0.11262	0.199755	1.37E-05	0.061018
-0.05943	0.19984	0.150626	0.00109	0.054028	0.2439	0.167503	0.00028	0.183789
-0.16366	0.00038	-0.18541	5.55E-05	-0.03956	0.39374	-0.11123	0.01618	0.001469
0.048867	0.29196	-0.16885	0.00025	0.022794	0.62319	0.009892	0.83117	-0.02374
-0.03195	0.49094	-0.22277	1.16E-06	-0.02876	0.53521	-0.14119	0.00223	-0.07537
0.361792	6.89E-16	0.07001	0.13086	-0.07398	0.11037	-0.19219	2.90E-05	-0.02656
0.152061	0.00098	0.000175	0.997	-0.05332	0.25017	-0.06849	0.13943	-0.0318

-0.03478	0.45338	-0.10479	0.02354	0.006788	0.88368	0.038249	0.40957	-0.00187
0.149894	0.00116	-0.04175	0.36804	-0.03918	0.3982	-0.13727	0.00295	-0.03362
0.033442	0.47094	0.405552	6.47E-20	-0.03296	0.47741	0.010683	0.8179	-0.05726
-0.02577	0.57861	-0.28165	5.79E-10	-0.01752	0.70568	-0.09019	0.05144	-0.06093
0.195523	2.09E-05	0.033773	0.46655	0.087836	0.05786	0.015513	0.73811	0.156547
0.009382	0.83976	-0.09626	0.03757	0.156805	0.00067	0.221403	1.35E-06	0.415474
0.012981	0.77964	-0.27249	2.15E-09	-0.0238	0.60794	-0.03038	0.51246	-0.20883
-0.10107	0.02898	-0.37238	8.29E-17	-0.02122	0.64742	-0.09688	0.03636	-0.05252
0.081931	0.07693	0.017986	0.69827	0.109414	0.01802	0.086518	0.06174	0.189958
-0.02256	0.6268	-0.15354	0.00087	0.054945	0.23598	-0.00561	0.90371	0.109602
-0.00918	0.84312	-0.05488	0.23658	0.067382	0.14598	0.083239	0.07232	0.240093
-0.07003	0.13072	-0.17739	0.00012	0.031013	0.50378	-0.0512	0.26948	-0.02995
0.203763	9.07E-06	-0.18853	4.13E-05	0.016369	0.72423	-0.07127	0.12406	0.096082
-0.03138	0.49878	0.022692	0.62475	-0.03416	0.46149	0.029764	0.52112	-0.05286
0.179415	9.68E-05	-0.04683	0.31258	-0.10204	0.02745	-0.25901	1.35E-08	-0.07773
0.140009	0.00243	-0.12904	0.00523	-0.0314	0.49847	-0.03195	0.49102	-0.07679
0.164082	0.00037	0.276826	1.16E-09	-0.00633	0.89147	-0.14555	0.00161	0.095284
0.193726	2.50E-05	-0.15836	0.00059	-0.0189	0.68374	-0.08267	0.07429	-0.05801
-0.17171	0.00019	0.033877	0.46519	-0.02963	0.52306	0.009619	0.83577	-0.05986
0.055496	0.23132	-0.07885	0.08873	0.029179	0.52934	-0.01903	0.68171	-0.01327
-0.00925	0.84205	-0.04595	0.32176	0.007622	0.86952	0.010803	0.81589	-0.02083
-0.03208	0.48919	-0.05501	0.23544	-0.01597	0.73063	-0.02315	0.61785	-0.04701
-0.07533	0.10396	0.297288	5.53E-11	0.043183	0.35179	0.143006	0.00195	0.034399
-0.09481	0.04056	-0.19439	2.34E-05	-0.03809	0.4115	-0.09511	0.03992	-0.08621
-0.23511	2.76E-07	-0.33599	8.70E-14	-0.01539	0.74006	0.011646	0.80181	-0.14615
0.097697	0.0348	0.186718	4.91E-05	0.01987	0.66844	0.143674	0.00185	0.020674
-0.18532	5.60E-05	-0.48061	2.30E-28	-0.03296	0.47741	-0.08502	0.06641	-0.13764
-0.21516	2.70E-06	-0.42252	1.21E-21	-0.03512	0.44891	-0.08742	0.05908	-0.10981
0.073599	0.1122	0.052885	0.25404	0.002347	0.95965	0.115429	0.01256	0.064922
0.198043	1.62E-05	0.022812	0.62292	-0.00184	0.96835	-0.02267	0.62515	-0.04466
0.073742	0.1115	0.345962	1.41E-14	0.103616	0.02514	0.217043	2.20E-06	0.352723
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0.011783	0.79952	-0.00959	0.83618	0.065003	0.16078	0.008795	0.84965	-0.03512
0.145697	0.00159	0.194289	2.36E-05	0.065634	0.15675	0.097573	0.03503	0.08733
0.099591	0.03142	-0.0452	0.32973	-0.00751	0.87137	-0.09174	0.04755	-0.04857
0.185798	5.35E-05	0.166179	0.00031	0.000827	0.98577	0.028354	0.54106	0.000888
0.238308	1.87E-07	0.452587	5.82E-25	0.001408	0.97579	0.009598	0.83612	0.230649
-0.10652	0.02132	-0.21345	3.25E-06	-0.02493	0.591	-0.05248	0.25771	-0.02828
0.131481	0.00443	0.232777	3.64E-07	-0.0086	0.85298	0.021721	0.63964	-0.12457
-0.11878	0.0102	-0.20614	7.08E-06	-0.06015	0.19441	-0.0698	0.13203	-0.2332
0.025713	0.5794	-0.02768	0.55066	0.063613	0.16994	-0.00753	0.8711	0.242861
0.145403	0.00163	0.023965	0.60546	-0.0437	0.34601	-0.08681	0.06087	-0.08113
0.038592	0.40537	-0.16412	0.00037	-0.04525	0.32923	-0.06211	0.18025	-0.16997
-0.22949	5.36E-07	-0.38772	3.35E-18	-0.00289	0.95025	0.135256	0.00341	-0.17428
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-0.15232	0.00096	-0.34057	3.81E-14	-0.03803	0.4123	-0.10496	0.02331	-0.15441
0.044386	0.33852	0.225282	8.71E-07	0.033753	0.46682	0.085726	0.06417	0.142976
0.212366	3.66E-06	-0.10969	0.01773	0.022432	0.62873	-0.02156	0.64211	-0.10904
0.07413	0.10963	0.205103	7.89E-06	0.106068	0.02188	0.188806	4.02E-05	0.237411
-0.14709	0.00144	-0.18147	8.02E-05	0.145645	0.0016	0.449277	1.40E-24	-0.0527
0.028322	0.54152	-0.15006	0.00114	0.048169	0.29892	-0.02447	0.59783	0.043966
0.081858	0.0772	-0.03888	0.40183	0.025784	0.57835	0.036173	0.43546	0.009797
-0.15359	0.00087	-0.36445	4.08E-16	0.014018	0.76256	0.040273	0.38522	0.067441
-0.01522	0.74285	-0.05448	0.24001	0.042658	0.35768	-0.02802	0.54582	0.094227
0.188793	4.03E-05	0.219256	1.72E-06	-0.03797	0.41301	-0.07116	0.12464	0.094044
0.181544	7.96E-05	-0.12047	0.00916	0.064197	0.16605	0.024009	0.60479	0.01005
0.20533	7.71E-06	0.084011	0.0697	-0.02962	0.52311	-0.13377	0.00378	-0.02942
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0.02801	0.54599	-0.26906	3.46E-09	-0.06336	0.17163	-0.16154	0.00046	-0.10904
-0.09053	0.05056	0.061933	0.18153	0.015477	0.7387	0.085381	0.06525	0.027628
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0.144672	0.00172	0.101641	0.02807	0.001969	0.96615	0.113021	0.01454	-0.12291
0.065498	0.15762	0.075919	0.1013	-0.01504	0.74576	0.062173	0.17984	-0.13361
0.087818	0.05791	0.042483	0.35966	-0.01553	0.73788	-0.00237	0.9593	-0.05718
0.115667	0.01237	0.072203	0.11919	-0.00431	0.92595	0.031881	0.49191	-0.08349
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0.137994	0.0028	0.075693	0.10232	-0.04346	0.34875	-0.03778	0.41532	-0.04462
0.050452	0.27658	0.052581	0.25679	-0.0103	0.82424	-0.09937	0.0318	-0.06901
-0.08976	0.05256	-0.26257	8.39E-09	0.001595	0.97257	-0.03052	0.51064	-0.03836
-0.05135	0.26808	-0.07684	0.09722	-0.02322	0.61669	-0.03975	0.39145	-0.04895
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-0.03407	0.46264	-0.10892	0.01855	0.012876	0.78138	-0.03572	0.44118	-0.01327
0.057634	0.2138	0.00938	0.8398	0.019338	0.67681	-0.01202	0.79563	0.048715
0.035515	0.44387	0.045152	0.33024	-0.00284	0.95122	0.026692	0.56504	-0.00908
0.111544	0.01588	0.206163	7.07E-06	-0.01711	0.71223	0.014417	0.756	0.043674
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0.025801	0.5781	0.031611	0.49558	-0.00346	0.94061	0.021679	0.64029	-0.0717
0.065973	0.15462	0.034427	0.45797	0.043097	0.35274	-0.00337	0.94206	-0.04509
-0.00663	0.88643	-0.057	0.2189	-0.00417	0.92839	-0.00449	0.92291	-0.02026
0.200425	1.28E-05	0.419781	2.33E-21	0.005632	0.90338	0.08522	0.06576	0.070099
-0.08621	0.06268	-0.12563	0.00656	0.001909	0.96718	-0.00095	0.9836	-0.07318
0.229982	5.06E-07	0.339052	5.01E-14	0.015388	0.74015	0.01603	0.72972	0.164951
0.15772	0.00062	0.14358	0.00187	-0.03691	0.42611	0.039456	0.39493	-0.09539
-0.25733	1.69E-08	-0.19635	1.93E-05	0.001103	0.98104	0.009477	0.83815	-0.09089
0.103745	0.02496	0.324412	6.62E-13	0.005219	0.91043	-0.00737	0.87384	0.025467
0.013371	0.7732	0.031612	0.49557	-0.00457	0.92151	-0.00542	0.90704	-0.01732
0.099326	0.03187	0.097512	0.03515	-0.07299	0.11523	-0.10597	0.022	-0.05888
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0.046801	0.31287	-0.20909	5.19E-06	-0.01013	0.82716	-0.01756	0.70513	-0.05192
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-0.01739	0.70784	-0.36865	1.76E-16	-0.04779	0.3027	-0.14617	0.00154	-0.01542
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0.019838	0.66894	0.004323	0.92576	0.045369	0.32792	-0.02169	0.64016	0.197491
-0.00109	0.98132	-0.1737	0.00016	0.038726	0.40374	-0.03015	0.51571	-0.03275
-0.11321	0.01437	-0.21762	2.06E-06	0.205498	7.58E-06	0.321202	1.14E-12	0.053628
0.033476	0.47049	0.005248	0.90995	0.077268	0.09536	0.035414	0.44518	-0.06048
-0.15067	0.00109	-0.26557	5.59E-09	0.090508	0.05062	0.066468	0.15154	0.126498
0.131349	0.00447	0.102819	0.02629	-0.03388	0.46516	0.019415	0.67559	0.124374
0.212845	3.47E-06	0.199086	1.46E-05	0.041493	0.37097	0.043193	0.35168	0.130641
0.220983	1.42E-06	0.325159	5.82E-13	-0.05856	0.20654	-0.03014	0.5158	-0.16658
0.01307	0.77817	-0.10298	0.02605	0.027315	0.55599	0.153072	0.0009	-0.18016
-0.02558	0.58129	-0.30178	2.74E-11	-0.01503	0.746	-0.09232	0.04616	-0.0867
-0.01005	0.82854	-0.29114	1.42E-10	-0.05171	0.26475	-0.11958	0.0097	-0.15767
-0.02312	0.61827	-0.1679	0.00027	0.085868	0.06373	-0.05077	0.27351	-0.04059
0.008466	0.85522	0.011223	0.80887	0.072351	0.11844	0.08068	0.08157	0.198349
0.036007	0.43758	0.189057	3.93E-05	0.063048	0.17377	0.166684	0.0003	0.379849
0.053418	0.24928	0.258944	1.36E-08	-0.00833	0.85748	-0.058	0.21091	-0.10321
-0.10492	0.02336	-0.20159	1.13E-05	0.02714	0.55852	0.033449	0.47084	0.181767
-0.03757	0.41799	-0.07905	0.08794	0.0445	0.33728	0.075342	0.10393	0.100893
-0.04774	0.30324	-0.0097	0.83445	-0.01033	0.82384	-0.00568	0.9025	-0.01465
0.099534	0.03151	-0.12471	0.00697	-0.00983	0.83229	-0.06989	0.13153	-0.02171
0.06744	0.14563	-0.06549	0.15764	0.030285	0.51384	-0.00231	0.96026	-0.00755
0.066925	0.14874	0.333622	1.33E-13	0.02774	0.54985	0.133453	0.00386	0.068974
-0.00785	0.86558	0.021749	0.63921	-0.00842	0.85593	-0.06674	0.14987	-0.01176
-0.15435	0.00082	-0.33842	5.62E-14	-0.05321	0.25114	-0.04042	0.38345	-0.24654
-0.1868	4.87E-05	-0.42288	1.11E-21	-0.02372	0.60914	-0.10305	0.02596	-0.08135
-0.04915	0.28914	0.006074	0.89584	0.101732	0.02793	0.202674	1.01E-05	0.063571
0.071301	0.12389	-0.02241	0.6291	-0.01454	0.75405	-0.04565	0.32491	-0.07526
0.03175	0.49368	0.001099	0.9811	-0.0095	0.83781	-0.05284	0.25449	-0.06757
0.018349	0.69247	-0.02502	0.5896	0.035136	0.44875	0.011192	0.80938	-0.02714
0.198535	1.55E-05	-0.07051	0.12812	-0.02823	0.54276	-0.1479	0.00135	-0.08769
0.219562	1.66E-06	0.084691	0.06747	0.015801	0.73343	-0.09573	0.03864	0.000294
-0.11827	0.01053	-0.05472	0.2379	0.097403	0.03536	0.079688	0.0854	0.14242
-0.1225	0.00805	-0.21154	4.00E-06	-0.01663	0.72003	-0.04906	0.29003	-0.10227
-0.10782	0.01977	0.138889	0.00263	0.014427	0.75584	0.148558	0.00128	-0.06365
0.01489	0.74827	-0.08476	0.06723	0.029803	0.52058	-0.02592	0.57642	-0.01355
-0.19448	2.32E-05	0.018481	0.69038	0.015529	0.73786	0.080281	0.08309	-0.02783
0.086267	0.0625	0.052709	0.25563	0.086746	0.06105	0.067136	0.14746	0.226112
-0.12296	0.00781	-0.10048	0.02992	0.114033	0.01367	0.245183	8.03E-08	0.288028
-0.1468	0.00147	-0.22527	8.72E-07	0.009131	0.84399	0.028231	0.54282	0.131811
0.044837	0.33363	-0.01446	0.75537	-0.04732	0.30757	-0.0544	0.24071	0.065452
0.243786	9.56E-08	0.043784	0.34512	-0.02679	0.56361	-0.09623	0.03763	0.039167
-0.17818	0.00011	-0.3946	7.52E-19	0.008155	0.86048	-0.06118	0.18692	-0.14091
0.14518	0.00166	-0.06752	0.14516	-0.01027	0.8248	-0.02543	0.58361	-0.01849
0.089845	0.05235	-0.08887	0.05498	0.234694	2.90E-07	0.010699	0.81764	0.004725

0.006544	0.88785	-0.13733	0.00294	-0.04046	0.38297	-0.11055	0.01685	-0.05829
-0.12058	0.0091	-0.38975	2.16E-18	0.006961	0.88074	-0.03792	0.41356	-0.1033
-0.18249	7.29E-05	-0.25766	1.62E-08	0.097711	0.03478	0.096922	0.03628	0.210549
0.013178	0.77639	-0.21686	2.24E-06	-0.01024	0.82529	-0.05009	0.28004	0.050597
0.063341	0.17178	-0.36776	2.11E-16	0.01936	0.67646	-0.12159	0.00853	-0.04971
-0.04084	0.37855	-0.17981	9.34E-05	-0.01503	0.746	0.099704	0.03122	-0.04841
0.03227	0.48664	0.435999	4.32E-23	0.058735	0.20516	0.087329	0.05933	0.201505
-0.05292	0.25373	-0.35755	1.57E-15	0.03066	0.50865	-0.07245	0.11792	-0.03589
0.093892	0.04255	-0.03514	0.44876	0.0297	0.52201	0.078743	0.08918	0.058855
-0.03179	0.49308	-0.0557	0.22959	0.006636	0.88628	0.019917	0.66771	-0.05975
0.06142	0.18517	0.21732	2.13E-06	0.045806	0.32328	0.12924	0.00516	0.129473
-0.05357	0.24796	0.013461	0.77172	-0.00576	0.90113	-0.02003	0.66589	-0.0198
0.037548	0.41822	0.214848	2.80E-06	-0.01746	0.7067	0.009441	0.83876	-0.19168
0.036697	0.42884	-0.16396	0.00037	0.031671	0.49476	-0.03184	0.49244	-0.08878
0.222905	1.14E-06	0.271657	2.41E-09	0.072076	0.11985	0.326322	4.76E-13	0.011388
0.103782	0.02491	-0.12934	0.00512	-0.06356	0.17029	-0.08195	0.07685	-0.30591
0.060157	0.19439	0.265316	5.79E-09	0.085724	0.06418	0.338285	5.76E-14	0.023797
0.094255	0.04176	0.216816	2.25E-06	-0.00828	0.85832	-0.1	0.03071	-0.00072
0.076075	0.10059	0.16116	0.00047	0.055725	0.22939	0.201008	1.20E-05	0.069867
0.100696	0.02957	-0.01213	0.79379	-0.00806	0.86202	0.001588	0.9727	-0.12224
-0.00375	0.93559	-0.10662	0.0212	0.067513	0.14519	0.177589	0.00011	0.029826
-0.03279	0.47961	-0.16604	0.00031	-0.01343	0.77223	0.00165	0.97164	-0.1703
0.062605	0.17682	0.100072	0.0306	0.036997	0.42508	-0.05086	0.27274	0.076898
0.042416	0.36041	-0.21375	3.15E-06	-0.07262	0.11705	-0.15852	0.00059	-0.16472
-0.04895	0.29113	-0.16373	0.00038	-0.03204	0.48976	-0.03108	0.50281	-0.06819
-0.11784	0.01082	-0.05865	0.20579	-0.02454	0.59678	-0.00824	0.85903	-0.0096
0.084392	0.06844	0.023329	0.61506	-0.01636	0.72441	-0.0406	0.38131	-0.04404
-0.08646	0.06192	-0.15331	0.00089	-0.01881	0.68516	-0.01089	0.81449	-0.07125
0.015043	0.74576	0.092289	0.04623	0.106869	0.02089	0.019104	0.6805	-0.01348
-0.12325	0.00766	-0.17797	0.00011	-0.02483	0.5925	0.02053	0.65811	-0.11906
0.170826	0.00021	0.356389	1.97E-15	0.024478	0.59775	-0.04559	0.32554	0.046026
0.000527	0.99094	0.305298	1.57E-11	0.039804	0.39078	0.132249	0.0042	-0.01171
0.152499	0.00095	0.287799	2.34E-10	0.04633	0.31777	0.041396	0.37209	0.083066
-0.0661	0.15381	-0.23563	2.59E-07	-0.00372	0.93617	-0.13717	0.00298	-0.03516
0.069875	0.13161	0.235007	2.79E-07	-0.03844	0.40721	-0.06569	0.15639	-0.04859
-0.11853	0.01036	-0.48784	2.71E-29	0.000271	0.99533	-0.07801	0.09221	-0.01841
0.164649	0.00035	0.20877	5.37E-06	0.013791	0.76629	0.05833	0.20832	0.071194
0.105462	0.02265	0.376261	3.74E-17	0.074302	0.1088	0.072649	0.11692	0.16802
0.00647	0.8891	-0.09011	0.05165	0.040126	0.38696	0.011066	0.81149	-0.07505
0.303714	2.02E-11	0.208458	5.55E-06	0.02251	0.62753	-0.06002	0.19541	0.022406
0.217206	2.16E-06	0.25052	4.09E-08	0.029392	0.52635	-0.02809	0.54481	0.193981
0.019746	0.67038	-0.07054	0.12797	0.046408	0.31695	0.031546	0.49647	0.079873
-0.15811	0.00061	-0.24026	1.48E-07	0.046295	0.31814	0.146132	0.00154	0.137126
-0.05256	0.25697	-0.14801	0.00134	0.03668	0.42906	-0.01492	0.74774	-0.04535
-0.05249	0.25762	-0.16971	0.00023	0.028067	0.54516	0.091132	0.04905	0.017033

0.046584	0.31512	-0.34336	2.28E-14	-0.04122	0.37414	-0.1699	0.00023	-0.19979
-0.02743	0.55434	-0.06351	0.17064	0.06882	0.13755	-0.00477	0.91816	-0.00774
0.007682	0.86849	-0.11602	0.01211	0.079192	0.08737	0.112567	0.01494	0.176428
0.204674	8.25E-06	0.314271	3.65E-12	0.039951	0.38903	0.094953	0.04026	0.116124
0.052221	0.26006	-0.20186	1.10E-05	-0.0322	0.48763	-0.08937	0.05361	-0.01827
0.168773	0.00025	0.248319	5.41E-08	-0.00446	0.9234	-0.01219	0.79281	0.059191
0.062784	0.17558	-0.17601	0.00013	-0.00631	0.89191	-0.10464	0.02374	-0.03904
-0.06841	0.13991	0.091978	0.04697	0.021242	0.64705	0.007905	0.86471	0.036835
-0.08545	0.06505	0.130297	0.0048	0.000393	0.99324	-0.01936	0.67647	0.019477
0.115251	0.01269	0.206978	6.49E-06	0.026932	0.56155	0.092497	0.04574	0.062349
0.105324	0.02283	-0.09646	0.03718	-0.01284	0.78198	0.009563	0.83671	0.001465
0.131798	0.00433	0.212235	3.71E-06	0.050253	0.27848	0.037213	0.42238	0.050969
-0.08694	0.06048	-0.06172	0.18304	-0.0302	0.51497	-0.04183	0.3671	-0.13054
0.1779	0.00011	-0.13394	0.00374	-0.08633	0.06232	-0.16207	0.00044	-0.19065
-0.05538	0.23228	-0.06638	0.15207	-0.02351	0.61237	0.021034	0.65027	0.056594
-0.11004	0.01737	-0.27835	9.33E-10	-0.0125	0.78753	0.045917	0.32211	-0.03777
-0.11386	0.01382	-0.04628	0.31831	0.126301	0.00628	0.35549	2.34E-15	0.307695
0.000564	0.9903	0.101581	0.02817	0.078154	0.09161	0.178407	0.00011	0.121537
0.006566	0.88746	-0.02142	0.64432	-0.03327	0.47324	-0.02342	0.61367	-0.04391
-0.08505	0.06629	0.153004	0.00091	0.128981	0.00525	0.202764	1.01E-05	0.350102
0.002374	0.95919	0.207269	6.29E-06	0.071246	0.12418	0.154593	0.0008	0.130647
-0.05255	0.25707	-0.18082	8.51E-05	-0.05798	0.21109	-0.08275	0.07401	-0.0517
0.008408	0.8562	-0.19796	1.64E-05	0.013188	0.77622	0.026697	0.56497	-0.01621
-0.03774	0.41581	-0.14788	0.00135	-0.0032	0.94495	0.033846	0.46559	-0.22755
-0.1506	0.0011	-0.11697	0.01142	-0.0191	0.68056	-0.05875	0.20504	-0.06885
0.096343	0.03741	0.126239	0.0063	0.043649	0.34661	0.103926	0.02471	-0.06861
0.224	1.01E-06	0.030778	0.50701	-0.02755	0.55266	-0.03234	0.48571	-0.1018
0.00144	0.97524	0.021945	0.6362	-0.02037	0.66063	0.079655	0.08553	-0.07197
0.176182	0.00013	-0.18473	5.92E-05	0.084475	0.06817	0.162419	0.00043	-0.04377
-0.22893	5.72E-07	-0.24807	5.58E-08	0.049	0.29065	0.149613	0.00118	0.126342
0.036217	0.43491	-0.22775	6.55E-07	0.013858	0.76518	-0.0962	0.0377	-0.10313
0.135923	0.00325	0.120216	0.00931	-0.0087	0.85124	-0.05442	0.24054	0.113507
-0.05414	0.2429	-0.14074	0.0023	0.02152	0.64275	0.071879	0.12086	-0.12465
0.220105	1.56E-06	-0.11418	0.01355	-0.02497	0.59039	-0.07604	0.10077	-0.12918
-0.0407	0.38018	-0.1296	0.00503	-0.01657	0.72095	-0.05911	0.20227	-0.03971
0.067977	0.14244	0.035129	0.44885	0.018653	0.68765	0.154654	0.0008	0.178844
0.1947	2.27E-05	0.454824	3.20E-25	-0.08539	0.06522	0.031099	0.50259	0.046469
-0.05943	0.19987	0.057004	0.21886	0.016641	0.71983	0.080554	0.08204	0.063164
0.101192	0.02878	0.1574	0.00064	0.009885	0.83128	-0.03507	0.44958	-0.03041
-0.15481	0.00079	-0.37633	3.69E-17	0.038251	0.40955	0.062605	0.17682	0.123388
-0.11894	0.0101	-0.17597	0.00013	-0.03878	0.40309	0.012105	0.79418	-0.18807
0.100779	0.02944	-0.18028	8.94E-05	0.021629	0.64107	-0.05526	0.23327	0.027371
0.12212	0.00825	0.191297	3.16E-05	0.022184	0.63253	0.022305	0.63067	0.051644
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0.048819	0.29244	0.122628	0.00798	0.055656	0.22996	0.005952	0.89793	0.169361

0.059047	0.20277	0.155989	0.00072	0.130135	0.00485	0.28308	4.70E-10	0.236654
0.24688	6.49E-08	-0.02797	0.5465	0.043748	0.34552	-0.02186	0.63751	0.039311
0.113219	0.01436	0.367907	2.05E-16	0.104713	0.02363	0.271032	2.63E-09	0.119991
0.176707	0.00012	0.238917	1.74E-07	0.130788	0.00464	0.136867	0.00304	0.368938
-0.15571	0.00073	-0.4166	4.97E-21	-0.0756	0.10276	-0.14831	0.00131	-0.13295
-0.05504	0.23519	-0.08848	0.05604	-0.03419	0.46113	0.007754	0.86728	-0.04971
0.073277	0.11378	0.244442	8.81E-08	0.01288	0.78132	0.041897	0.36632	0.145187
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0.152134	0.00097	0.236454	2.35E-07	0.075965	0.10109	0.059253	0.2012	0.194388
0.010178	0.82637	0.020464	0.65915	0.024006	0.60484	0.00806	0.86209	0.036445
0.023588	0.61114	-0.08563	0.06446	0.064367	0.16492	0.053138	0.25178	0.238973
-0.11948	0.00976	-0.23026	4.90E-07	0.024403	0.59887	0.048771	0.29292	-0.12463
-0.15316	0.0009	-0.22385	1.03E-06	0.003263	0.94394	0.074001	0.11025	-0.08402
-0.04677	0.31314	0.025481	0.58282	0.018015	0.6978	0.000581	0.99002	0.103372
-0.07905	0.08793	0.2693	3.35E-09	0.077633	0.0938	0.135863	0.00326	0.384317
0.107305	0.02038	-0.03631	0.43369	0.086767	0.06099	0.034247	0.46032	0.016423
0.066794	0.14954	0.030385	0.51246	0.351998	4.56E-15	0.099506	0.03156	0.425567
-0.20387	8.97E-06	-0.32116	1.15E-12	0.087237	0.0596	-0.0341	0.46223	0.056675
0.077326	0.09511	0.143458	0.00188	0.063234	0.17251	0.128101	0.00557	0.186398
-0.03306	0.47596	0.091755	0.04751	0.044983	0.33206	0.092249	0.04633	0.176529
0.041678	0.36884	-0.01462	0.75265	-0.01972	0.67073	-0.0863	0.0624	0.014668
-0.0634	0.17139	0.103658	0.02508	-0.08407	0.0695	-0.03195	0.49092	-0.23509
-0.0955	0.03913	-0.08964	0.05287	-0.06445	0.16436	-0.09266	0.04537	-0.10061
0.005719	0.90191	-0.16274	0.00041	0.127269	0.00588	0.246543	6.77E-08	0.032267
-0.21939	1.70E-06	-0.30605	1.39E-11	-0.00353	0.9393	-0.01911	0.68038	-0.08865
-0.23572	2.56E-07	-0.15399	0.00084	0.087445	0.05899	0.133527	0.00384	0.140572
0.001632	0.97194	-0.15816	0.0006	0.029395	0.5263	0.067968	0.14249	0.090524
-0.14415	0.00179	-0.41135	1.70E-20	-0.03949	0.39451	0.006744	0.88443	-0.3402
-0.05745	0.21529	-0.27295	2.01E-09	-0.00104	0.98217	0.107198	0.0205	-0.00793
0.16665	0.0003	0.037164	0.42298	0.045	0.33187	-0.01415	0.76044	0.360396
-0.00764	0.86916	-0.30857	9.27E-12	-0.00514	0.91174	0.018446	0.69094	0.014534
-0.0863	0.06239	-0.08477	0.06722	0.024398	0.59894	0.022299	0.63076	-0.09264
-0.02067	0.65594	-0.10571	0.02234	0.060793	0.18971	0.003066	0.94732	0.041109
0.026728	0.56451	-0.15364	0.00087	-0.06016	0.19438	-0.06276	0.17572	-0.10169
-0.20424	8.64E-06	-0.04938	0.28689	-0.0692	0.13537	-0.08039	0.08268	-0.0579
0.043259	0.35094	0.13493	0.00348	0.009133	0.84396	0.103785	0.02491	0.087069
0.019867	0.66849	-0.1621	0.00044	0.012597	0.786	-0.03139	0.49865	-0.11066
0.141736	0.00214	0.115503	0.0125	0.021186	0.64791	0.076533	0.09856	-0.11513
0.122546	0.00802	0.130583	0.00471	0.032773	0.47986	-0.06547	0.15776	0.079018
-0.08815	0.05698	-0.02349	0.61256	-0.0002	0.99652	-0.02515	0.5877	-0.01898
0.074435	0.10817	-0.10326	0.02565	-0.03358	0.4691	-0.11494	0.01294	-0.06706
-0.01305	0.77853	-0.174	0.00016	0.052951	0.25345	-0.02266	0.62532	0.00841
-0.05704	0.21857	-0.0085	0.85473	0.035366	0.44579	0.150079	0.00114	-0.08967
-0.09031	0.05113	-0.14094	0.00227	0.126293	0.00628	0.307433	1.11E-11	0.023534



0.233514	3.33E-07	0.092348	0.04609	0.078527	0.09006	0.089603	0.05298	-0.05033
0.056819	0.22036	-0.05721	0.21721	0.005138	0.91183	0.045759	0.32378	-0.04317
-0.02867	0.53654	0.097426	0.03531	0.11063	0.01677	0.231803	4.08E-07	0.270947
0.021537	0.64249	-0.01196	0.79663	-0.02465	0.59524	-0.06429	0.16546	0.1177
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0.056972	0.21912	-0.1545	0.00081	-0.0081	0.86141	-0.03054	0.51025	-0.22598
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-0.00497	0.91461	0.174369	0.00015	0.009393	0.83958	-0.05164	0.26545	-0.01761
0.004988	0.91438	-0.10961	0.01781	-0.00052	0.99112	-0.04466	0.3356	-0.01226
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-0.0676	0.14467	0.083173	0.07255	0.055024	0.23531	0.158252	0.0006	0.255739
0.170058	0.00022	0.396886	4.54E-19	-0.01099	0.81268	0.014865	0.74866	-0.07082
0.040483	0.38274	0.228041	6.34E-07	-0.00146	0.97486	0.012327	0.79048	-0.10357
0.178008	0.00011	0.414605	7.95E-21	0.00575	0.90137	0.029159	0.52963	0.262641
-0.01396	0.76353	-0.26742	4.34E-09	-0.0251	0.58843	0.052878	0.2541	-0.18692
0.090085	0.05171	0.360457	8.94E-16	0.040496	0.38259	0.33578	9.03E-14	0.114855
-0.16043	0.0005	-0.11581	0.01226	-0.0063	0.89202	0.036322	0.43358	-0.0474
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0.016744	0.71817	-0.0523	0.25938	-0.00753	0.87115	-0.04491	0.33284	0.062145
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0.086644	0.06136	0.133048	0.00397	-0.00701	0.87996	-0.04614	0.31977	-0.12065
0.051244	0.26909	0.1779	0.00011	-0.01428	0.75819	-0.07955	0.08594	-0.02394
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0.043341	0.35003	-0.00554	0.90489	0.072635	0.11699	0.158922	0.00057	0.195924
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0.123128	0.00773	0.269607	3.21E-09	0.055526	0.23106	-0.00491	0.91573	0.019025
0.017986	0.69826	-0.02347	0.61293	0.032673	0.4812	0.08642	0.06204	-0.01009
-0.09726	0.03562	-0.02651	0.56765	0.059984	0.19568	0.123372	0.0076	0.130978
0.15644	0.00069	-0.24945	4.69E-08	-0.02994	0.51864	-0.14315	0.00193	-0.09456
0.030591	0.5096	-0.0843	0.06874	0.012034	0.79534	-0.02815	0.54403	0.0164
0.206345	6.93E-06	0.09205	0.0468	-0.05802	0.21072	0.009087	0.84472	-0.18853
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0.017118	0.71216	0.054864	0.23668	0.050564	0.27551	0.174341	0.00015	-0.01792
0.075269	0.10427	-0.11182	0.01562	-0.00926	0.84179	0.098005	0.03423	-0.17206
-0.1424	0.00204	-0.28636	2.90E-10	0.030405	0.51218	0.041533	0.37051	-0.03649
-0.19663	1.87E-05	-0.2439	9.43E-08	-0.01213	0.79375	-0.04521	0.32958	-0.00184
0.000871	0.98502	-0.2172	2.16E-06	0.015615	0.73646	-0.00974	0.8338	0.072799
0.265378	5.74E-09	0.377296	3.02E-17	-0.01074	0.81698	0.01476	0.75039	-0.02423
0.056919	0.21955	-0.18473	5.92E-05	-0.01478	0.75003	-0.04379	0.34508	-0.04407
-0.05079	0.27334	-0.02298	0.62029	0.021043	0.65014	-0.00602	0.89675	0.010867
-0.03644	0.43206	0.145473	0.00162	-0.06553	0.15741	0.034852	0.45244	-0.05881
-0.01923	0.67848	0.179708	9.42E-05	-0.00618	0.89407	0.067061	0.14791	0.083835

-0.03771	0.41619	0.004862	0.91655	-0.00686	0.88239	-0.01823	0.69431	0.022175
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0.162731	0.00041	-0.20169	1.12E-05	0.005507	0.90552	-0.039	0.40045	-0.0841
0.124813	0.00692	-0.29346	9.95E-11	-0.02466	0.59505	0.045639	0.32505	-0.30342
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0.06731	0.14641	-0.03748	0.4191	0.063394	0.17142	0.097006	0.03611	0.396376
-0.05254	0.25718	-0.09531	0.03951	0.022117	0.63356	-0.03588	0.43921	-0.01127
0.191377	3.14E-05	-0.29011	1.65E-10	-0.0099	0.8311	-0.0118	0.79924	-0.12948
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-0.20734	6.24E-06	-0.21904	1.76E-06	0.005992	0.89724	0.065441	0.15798	0.088968
0.036196	0.43517	0.210973	4.25E-06	0.017104	0.71238	0.187415	4.59E-05	0.080734
-0.09173	0.04756	-0.46058	6.71E-26	-0.06584	0.15545	-0.13154	0.00441	-0.28406
0.130097	0.00486	0.097515	0.03514	0.070343	0.12903	0.108932	0.01854	0.120629
0.106962	0.02078	0.046788	0.31301	0.010415	0.82238	-0.02303	0.61965	0.080426
0.079251	0.08713	-0.10196	0.02758	0.055275	0.23318	0.044149	0.34111	0.154858
-0.048	0.3006	-0.25684	1.80E-08	0.041954	0.36568	0.095456	0.03921	-0.03508
0.147134	0.00143	0.212919	3.45E-06	-0.03361	0.46868	-0.08776	0.05807	-0.02131
0.190147	3.54E-05	0.445833	3.46E-24	0.153819	0.00085	0.261216	1.01E-08	0.230096
0.004934	0.91531	0.006793	0.8836	0.027865	0.54806	-0.06284	0.17517	-0.18549
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0.069217	0.13529	0.173982	0.00016	0.153813	0.00085	0.201994	1.09E-05	0.448386
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0.094529	0.04116	-0.15485	0.00079	-0.07106	0.12519	-0.20612	7.10E-06	-0.03485
0.105529	0.02256	0.372286	8.45E-17	0.006192	0.89383	0.016543	0.72141	0.079567
-0.10424	0.02427	-0.28237	5.21E-10	0.080861	0.08088	0.063191	0.1728	0.263208
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0.156468	0.00069	0.159581	0.00054	0.107607	0.02002	0.106385	0.02148	0.149215
0.147581	0.00138	0.405011	7.32E-20	0.047254	0.3082	0.065699	0.15634	0.126666
0.05833	0.20831	-0.16645	0.0003	0.064356	0.16499	-0.01633	0.72478	0.050495
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0.134915	0.00349	-0.29098	1.45E-10	0.001915	0.96708	-0.06051	0.19175	-0.07632
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0.061406	0.18528	0.017962	0.69864	-0.03312	0.47527	-0.04749	0.30583	0.004544
0.089028	0.05453	0.103013	0.02601	0.059274	0.20103	0.001553	0.9733	0.082159
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0.275948	1.32E-09	0.311338	5.91E-12	0.015292	0.74171	0.011199	0.80926	-0.08922
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0.037002	0.42501	0.059678	0.19797	-0.01135	0.80681	0.027167	0.55814	-0.0277

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0.060844	0.18933	0.043601	0.34714	-0.10195	0.02759	-0.17999	9.18E-05	-0.16595
0.159036	0.00056	0.024868	0.59193	-0.01319	0.7762	-0.00888	0.84821	0.019425
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0.054673	0.23831	-0.19546	2.10E-05	0.026186	0.57243	0.087753	0.0581	-0.00576
0.009249	0.84199	0.043554	0.34766	0.119161	0.00996	0.188959	3.96E-05	0.292307
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0.010062	0.82832	0.240223	1.48E-07	0.019743	0.67044	0.058022	0.21073	0.229689
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0.02196	0.63597	-0.06172	0.18302	0.092212	0.04641	0.360947	8.13E-16	-0.0019
0.069138	0.13573	0.11483	0.01303	-0.02621	0.5721	-0.05477	0.23749	0.022546
0.05024	0.2786	0.038161	0.41065	0.017931	0.69914	0.172177	0.00018	-0.0224
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0.127386	0.00584	0.1235	0.00754	-0.01943	0.67542	0.090059	0.05178	-0.09952
0.066503	0.15132	0.473452	1.83E-27	0.069191	0.13544	0.190456	3.43E-05	0.315856
0.067295	0.1465	-0.06659	0.15079	-0.00989	0.83122	-0.02229	0.63088	-0.04167
0.015672	0.73552	-0.04647	0.31626	0.025493	0.58264	0.04909	0.28976	-0.00956
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0.126092	0.00636	0.178699	0.0001	0.086744	0.06106	0.075606	0.10272	0.408868
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0.298178	4.81E-11	0.173745	0.00016	-0.01203	0.79548	0.024072	0.60384	0.050666
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0.212996	3.42E-06	0.211801	3.89E-06	0.027229	0.55723	0.111261	0.01615	-0.01848
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0.019423	0.67547	0.014936	0.7475	-0.00694	0.88106	-0.04515	0.33022	0.054173
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0.001879	0.9677	-0.02341	0.61382	0.048396	0.29665	0.002091	0.96406	0.11775
0.007986	0.86334	0.158344	0.00059	0.084945	0.06664	0.160831	0.00048	-0.05523
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0.332787	1.54E-13	0.284538	3.79E-10	-0.00989	0.83124	-0.03369	0.46769	0.108216
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0.006067	0.89596	-0.00017	0.99709	0.031357	0.49905	0.009779	0.83308	0.084664
0.116435	0.0118	0.012304	0.79086	-0.00563	0.90341	0.018692	0.68702	-0.05501
0.234007	3.14E-07	0.1572	0.00065	-0.02199	0.6355	-0.14464	0.00173	0.005745
0.177432	0.00012	0.10799	0.01958	0.000591	0.98983	-0.02658	0.56667	-0.14436
-0.16535	0.00033	-0.12046	0.00917	0.00424	0.92719	-0.03398	0.46385	-0.01278
-0.03056	0.50998	-0.13948	0.00252	-0.01412	0.76094	-0.0063	0.89202	0.042068
0.107478	0.02017	-0.06291	0.17471	0.028493	0.53908	-0.05908	0.2025	-0.033
0.102676	0.0265	-0.07998	0.08424	-0.0209	0.6524	-0.03885	0.40228	-0.0353
0.020146	0.66411	-0.16574	0.00032	0.019375	0.67624	-0.10296	0.02608	-0.09953
-0.06442	0.16461	0.01213	0.79375	-0.02287	0.62209	0.112026	0.01543	0.011548
0.152164	0.00097	0.034066	0.46269	-0.00482	0.91734	-0.04986	0.28229	0.022937
0.072828	0.11602	-0.08244	0.07511	0.053975	0.24437	0.008414	0.8561	0.157227
-0.18831	4.22E-05	0.015726	0.73464	0.008813	0.84935	0.013255	0.77512	0.060057
-0.00839	0.85655	0.003652	0.93726	0.035265	0.44708	0.028411	0.54024	0.026581
-0.19208	2.93E-05	-0.36854	1.80E-16	-0.03331	0.4727	0.083123	0.07272	-0.21421
-0.0207	0.65547	-0.09134	0.04853	-0.01509	0.74504	-0.06113	0.1873	-0.02637
-0.01674	0.71829	-0.06563	0.1568	-0.04799	0.30068	-0.11267	0.01485	-0.02291
0.057457	0.21522	0.066778	0.14963	-0.02585	0.57741	-0.10728	0.02041	-0.00944
0.238635	1.80E-07	-0.0152	0.74328	-0.12251	0.00804	-0.24997	4.39E-08	-0.27814
-0.03617	0.43557	-0.11757	0.011	0.032571	0.48257	-0.0298	0.52059	-0.03839
-0.02239	0.62932	-0.07004	0.13071	0.029002	0.53185	0.004646	0.92024	0.139212
-0.08992	0.05214	-0.32164	1.06E-12	-0.04663	0.31466	-0.21339	3.28E-06	-0.22715
-0.04782	0.30247	-0.32079	1.23E-12	-0.03367	0.46786	0.060754	0.18999	-0.28652
0.14909	0.00123	0.361212	7.72E-16	0.009273	0.8416	0.036011	0.43753	0.326399
-0.21792	2.00E-06	-0.2016	1.13E-05	0.01674	0.71824	-0.00069	0.98818	-0.05352
-0.13242	0.00415	-0.27729	1.09E-09	-0.07328	0.11376	-0.09103	0.04929	0.014624
-0.0488	0.29267	-0.0754	0.10367	-0.01933	0.67694	-0.11884	0.01016	0.019278
-0.06619	0.15328	-0.05016	0.27932	-0.02301	0.61994	-0.03193	0.49123	-0.07728
-0.15599	0.00072	-0.40535	6.78E-20	-0.02276	0.62377	-0.0695	0.13369	-0.16111
0.049734	0.28347	0.149299	0.00121	0.109017	0.01844	0.361404	7.43E-16	0.102841
-0.03798	0.41287	0.007745	0.86743	0.066429	0.15178	0.026205	0.57216	0.283127
-0.10942	0.01802	-0.30276	2.35E-11	-0.00376	0.93537	-0.01275	0.78349	-0.12362
-0.27779	1.01E-09	-0.27088	2.69E-09	-0.0312	0.50116	-0.07845	0.0904	0.003466
-0.05268	0.25593	0.017153	0.7116	-0.02518	0.58728	0.018467	0.69061	-0.12988
0.208675	5.43E-06	0.02429	0.60058	0.027152	0.55836	-0.04704	0.31039	-0.00576
0.22375	1.04E-06	0.137648	0.00287	0.028047	0.54545	0.009591	0.83623	0.180162
-0.08462	0.06769	-0.18551	5.50E-05	0.033993	0.46366	-0.0239	0.60642	-0.04369
-0.02012	0.66447	-0.07576	0.10202	0.022565	0.62668	0.00027	0.99536	-0.00052
-0.01866	0.6875	-0.17025	0.00022	-0.04308	0.35295	-0.15308	0.0009	-0.12893
-0.1042	0.02433	-0.20367	9.16E-06	-0.0065	0.88867	-0.0198	0.66956	-0.05881
-0.12363	0.00748	-0.2133	3.31E-06	-0.02742	0.55444	-0.00778	0.86677	-0.14455

0.165479	0.00033	-0.08979	0.0525	-0.00415	0.92881	-0.09483	0.04051	0.011664
0.12604	0.00638	0.203538	9.28E-06	0.096638	0.03683	0.197316	1.75E-05	0.270763
-0.16495	0.00034	-0.19242	2.84E-05	-0.01739	0.70772	-0.06654	0.15109	-0.05879
-0.0699	0.13146	-0.16001	0.00052	0.005832	0.89997	-0.00794	0.86412	0.003945
0.185314	5.60E-05	0.170447	0.00022	0.053232	0.25094	0.080039	0.08403	0.089788
-0.10011	0.03054	-0.20863	5.45E-06	0.028182	0.54352	-0.03136	0.49905	-0.05597
0.015344	0.74085	0.208421	5.57E-06	0.055684	0.22973	0.125686	0.00654	0.319297
-0.05563	0.23021	-0.12801	0.0056	-0.00826	0.85871	0.031522	0.4968	-0.09026
-0.04256	0.35875	-0.04295	0.35443	-0.00679	0.88367	-0.02452	0.59706	0.002871
-0.0388	0.40288	-0.03203	0.48991	-0.04661	0.31488	-0.05251	0.2574	-0.01717
-0.08789	0.0577	-0.10705	0.02068	0.094028	0.04225	0.154035	0.00084	0.274461
0.026249	0.57152	0.061593	0.18394	-0.0701	0.13034	-0.10838	0.01914	0.020581
0.103571	0.02521	0.181724	7.83E-05	0.033519	0.46991	0.013518	0.77079	0.134468
0.068717	0.13814	0.092688	0.04529	-0.03456	0.45627	-0.09835	0.03359	-0.09541
-0.15546	0.00075	0.036836	0.42709	0.023471	0.61291	0.18861	4.10E-05	-0.02802
0.106624	0.02119	0.159817	0.00053	-0.00707	0.87893	-0.06359	0.17009	-0.01139
0.060072	0.19503	0.137823	0.00284	0.001288	0.97785	0.10001	0.03071	0.062396
-0.06251	0.17747	-0.39241	1.21E-18	-0.00481	0.91745	-0.08184	0.07726	0.005111
0.168498	0.00025	-0.04113	0.37518	0.103295	0.0256	0.38279	9.58E-18	0.088816
0.213119	3.37E-06	0.197994	1.63E-05	-0.00653	0.8881	-0.07226	0.1189	0.023228
-0.13214	0.00423	-0.19891	1.49E-05	-0.01655	0.72137	-0.02321	0.6169	-0.12756
-0.06238	0.1784	-0.13601	0.00323	0.013842	0.76545	0.037476	0.41911	-0.00667
-0.0997	0.03123	-0.13665	0.00309	0.07895	0.08834	0.151203	0.00105	0.200331
0.018272	0.69371	0.204133	8.73E-06	0.07572	0.1022	0.122788	0.0079	0.114561
-0.00701	0.87994	-0.21014	4.64E-06	-0.03536	0.44586	-0.08563	0.06447	-0.00397
0.06998	0.13102	0.209522	4.96E-06	0.083607	0.07106	0.149514	0.00119	0.212091
-0.06668	0.1502	-0.14864	0.00128	0.003815	0.93447	-0.01504	0.74585	-0.04438
0.279429	7.99E-10	-0.2703	2.91E-09	-0.00619	0.89394	-0.13386	0.00376	-0.06482
0.106154	0.02177	0.014793	0.74985	0.020791	0.65405	-0.04181	0.36732	-0.01278
0.103996	0.02461	0.045844	0.32288	0.011498	0.80428	-0.00384	0.93398	0.049754
0.25818	1.51E-08	0.471358	3.32E-27	-0.01512	0.74455	-0.02748	0.55354	-0.00404
0.29716	5.64E-11	0.465614	1.67E-26	0.028695	0.5362	-0.00222	0.96178	0.014996
0.085644	0.06443	-0.07063	0.12748	-0.00826	0.85865	-0.04395	0.34334	-0.01271
0.064256	0.16566	-0.02617	0.5726	0.00465	0.92018	0.05099	0.27147	0.12286
-0.03724	0.4221	-0.08349	0.07145	-0.02624	0.57167	0.005446	0.90657	-0.00172
-0.20066	1.25E-05	-0.07228	0.11882	0.082765	0.07396	0.281386	6.02E-10	0.090199
0.21595	2.48E-06	0.377568	2.86E-17	0.002934	0.94958	-0.05147	0.26698	0.068636
0.104702	0.02365	-0.23268	3.68E-07	-0.02664	0.56579	-0.12259	0.008	-0.05086
-0.07045	0.12847	-0.1249	0.00688	0.049022	0.29043	0.069172	0.13554	0.111595
-0.06129	0.18614	-0.26741	4.34E-09	0.175005	0.00014	0.295662	7.10E-11	0.273753
0.135378	0.00338	0.049901	0.28186	-0.01278	0.78298	-0.04381	0.34484	0.223546
0.005305	0.90897	0.186696	4.92E-05	0.067132	0.14748	0.155921	0.00072	0.172163
-0.02721	0.55748	-0.06127	0.18622	0.010131	0.82716	0.018068	0.69696	0.020088
0.040393	0.3838	0.234142	3.09E-07	0.022677	0.62499	0.110986	0.01642	0.039871
-0.06572	0.15623	0.106965	0.02078	0.031874	0.49199	0.080138	0.08364	0.321398

0.03277	0.4799	-0.01767	0.70327	0.040757	0.37953	-0.01672	0.71856	0.007553
0.010646	0.81851	-0.16935	0.00024	-0.03288	0.47848	-0.12447	0.00708	-0.00898
-0.05658	0.22232	-0.14256	0.00201	0.002627	0.95485	-0.04867	0.29393	-0.03949
0.059901	0.1963	0.088647	0.05558	0.01593	0.73133	-0.04561	0.3254	-0.00878
0.002306	0.96036	0.198544	1.54E-05	-0.07327	0.11381	-0.06172	0.18306	-0.10516
-0.04611	0.32003	-0.12398	0.00731	0.021374	0.64501	-0.02884	0.53418	-0.01178
0.067271	0.14664	-0.19715	1.78E-05	-0.04047	0.38294	-0.04197	0.36555	-0.1654
-0.03075	0.50735	-0.05516	0.23417	-0.01455	0.75375	-0.04996	0.28131	0.017501
0.22539	8.60E-07	0.439217	1.91E-23	0.022847	0.62238	-0.00561	0.90373	0.145301
-0.09893	0.03256	-0.30278	2.34E-11	0.00923	0.84232	-0.0517	0.26481	-0.10034
0.213782	3.14E-06	0.272837	2.04E-09	0.00258	0.95565	-0.00565	0.90316	-0.00268
0.159393	0.00055	0.414038	9.09E-21	0.014147	0.76043	0.036962	0.42552	0.077495
-0.07075	0.12684	-0.23231	3.85E-07	0.00868	0.85161	0.074906	0.10595	0.019865
-0.15612	0.00071	-0.05203	0.26185	0.061647	0.18355	0.242033	1.19E-07	0.113725
-0.08852	0.05593	-0.23347	3.35E-07	0.001417	0.97564	-0.05591	0.22786	-0.02849
0.055662	0.22992	0.221866	1.28E-06	0.000271	0.99534	0.044918	0.33276	0.075571
0.30828	9.71E-12	0.259931	1.20E-08	0.042586	0.35849	0.052321	0.25915	0.115563
0.103841	0.02483	0.178434	0.00011	0.029138	0.52993	-0.11867	0.01027	0.101452
0.126625	0.00614	0.233957	3.16E-07	0.041219	0.37414	0.072076	0.11985	0.075891
-0.01701	0.71397	-0.17734	0.00012	0.035042	0.44997	0.022474	0.62809	0.086034
-0.00703	0.87952	-0.33132	1.99E-13	0.001225	0.97894	-0.12895	0.00526	-0.06662
0.005568	0.90449	-0.34203	2.91E-14	0.016362	0.72435	-0.04477	0.33433	-0.04807
0.117697	0.01091	0.10975	0.01767	0.026135	0.57318	-0.01057	0.81982	0.035024
0.058179	0.20949	-0.17501	0.00014	0.016882	0.71596	-0.06828	0.14067	-0.04767
-0.07359	0.11223	0.020124	0.66446	0.118747	0.01022	0.052477	0.25773	0.300736
-0.04849	0.29566	-0.34146	3.24E-14	0.172901	0.00017	0.073525	0.11256	0.146817
0.14708	0.00144	-0.09212	0.04663	-0.04065	0.38078	0.014466	0.75519	-0.13785
0.274839	1.54E-09	0.263153	7.76E-09	-0.03022	0.51472	-0.03906	0.3997	0.070233
0.186345	5.08E-05	-0.18785	4.41E-05	-0.00038	0.99344	0.008476	0.85505	-0.09863
-0.00778	0.86679	-0.06213	0.18017	0.01821	0.69468	-0.00464	0.92031	-0.02909
0.043205	0.35154	-0.36535	3.41E-16	0.008798	0.8496	0.063299	0.17206	0.025183
-0.08001	0.08414	-0.1046	0.02379	0.020974	0.6512	0.122467	0.00806	0.21658
-0.05779	0.21259	-0.16513	0.00034	0.051662	0.26521	0.039089	0.39935	0.045376
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0.214248	2.98E-06	0.385891	4.96E-18	0.11071	0.01669	0.135617	0.00332	0.436489
0.043353	0.3499	-0.11179	0.01565	-0.01117	0.8098	0.041408	0.37196	-0.04494
0.051866	0.26332	0.012509	0.78746	0.104429	0.02402	0.069613	0.13306	0.209963
0.018325	0.69285	-0.09508	0.03998	0.005882	0.89911	0.006346	0.8912	-0.10743
-0.11061	0.01679	-0.1984	1.57E-05	-0.00882	0.84925	-0.00765	0.869	-0.0125
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-0.13679	0.00306	-0.26165	9.51E-09	-0.0357	0.44151	-0.02768	0.55073	-0.07046
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0.006415	0.89003	0.071603	0.1223	0.006879	0.88214	0.066476	0.15149	0.099949
0.098943	0.03254	-0.19343	2.57E-05	0.002438	0.95809	-0.00393	0.93242	-0.00968

-0.03075	0.5074	-0.16267	0.00042	0.045088	0.33093	0.07808	0.09192	0.010224
-0.00093	0.98397	-0.1344	0.00362	0.066112	0.15375	-0.00955	0.83686	0.165352
0.038465	0.40692	-0.06086	0.18925	0.013754	0.76688	-0.01646	0.72269	-0.00178
-0.19282	2.73E-05	-0.12017	0.00934	-0.00276	0.95258	0.001455	0.97498	0.087141
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-0.21034	4.55E-06	-0.10731	0.02037	-0.02639	0.56944	0.041424	0.37177	-0.06902
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-0.11775	0.01088	0.094996	0.04017	-0.00133	0.9771	0.079006	0.08812	-0.05641
0.11687	0.01149	0.370893	1.12E-16	0.01838	0.69199	0.16988	0.00023	0.063389
0.131222	0.00451	0.014567	0.75355	0.003218	0.9447	0.010767	0.81649	0.041587
0.181959	7.66E-05	0.158684	0.00058	0.039153	0.39858	-0.02397	0.60543	0.023664
0.159928	0.00052	0.287333	2.51E-10	0.001091	0.98124	0.150516	0.0011	-0.08655
0.012967	0.77988	0.01928	0.67773	0.032523	0.48323	0.173853	0.00016	-0.0979
-0.06418	0.16618	-0.32075	1.24E-12	-0.01012	0.8274	0.011692	0.80104	-0.15766
0.066653	0.1504	0.288094	2.24E-10	0.025138	0.58791	0.233542	3.32E-07	-0.03805
-0.00592	0.89854	0.173379	0.00017	0.179916	9.25E-05	0.399582	2.49E-19	0.218519
0.073463	0.11287	0.039823	0.39055	-0.00266	0.95422	-0.03253	0.48314	0.002001
0.211022	4.23E-06	0.430661	1.64E-22	0.007008	0.87995	-0.00327	0.9438	-0.0472
-0.06475	0.16242	-0.02101	0.65069	0.095589	0.03893	0.337265	6.92E-14	0.022647
0.242797	1.08E-07	0.250553	4.07E-08	0.040708	0.38009	-0.03369	0.4677	0.054318
-0.05379	0.24602	-0.28555	3.26E-10	0.005203	0.91071	-0.07744	0.09462	-0.1463
-0.02896	0.53241	-0.05279	0.2549	0.011172	0.80971	-0.01554	0.73762	-0.01823
-0.13923	0.00257	-0.46798	8.62E-27	-0.01669	0.71906	-0.05825	0.20897	-0.02844
-0.085	0.06647	-0.00089	0.98474	-0.04252	0.35926	-0.09759	0.03501	-0.09145
-0.04724	0.30839	-0.00888	0.84814	0.026887	0.5622	0.179208	9.86E-05	-0.03051
0.203424	9.39E-06	-0.00132	0.97734	0.012471	0.78809	-0.03971	0.3919	0.092674
-0.07672	0.09776	-0.09338	0.0437	-0.02129	0.64634	0.01345	0.7719	0.047897
-0.04069	0.38026	-0.20723	6.32E-06	0.024814	0.59273	-0.0072	0.87667	-0.01926
0.304843	1.69E-11	0.433666	7.77E-23	0.090457	0.05075	0.132965	0.004	0.168639
0.280193	7.15E-10	0.01714	0.7118	-0.03026	0.51418	-0.15217	0.00097	-0.17555
0.178253	0.00011	0.160697	0.00049	0.000157	0.9973	0.029973	0.51819	-0.1313
-0.01299	0.77957	-0.22609	7.94E-07	-0.00219	0.96238	-0.07471	0.10685	-0.14347
-0.04371	0.34597	-0.13117	0.00452	0.005926	0.89837	-0.02262	0.62587	0.054655
-0.04959	0.28487	-0.28389	4.17E-10	-0.06354	0.17043	-0.1454	0.00163	-0.15633
-0.05215	0.26068	-0.26132	9.93E-09	-0.10798	0.01959	-0.13778	0.00285	-0.22385
0.019628	0.67224	0.122054	0.00828	-0.06774	0.14382	-0.04142	0.37178	-0.10625
0.027301	0.55619	0.17042	0.00022	0.002006	0.96551	0.094021	0.04227	-0.11464
0.020111	0.66466	-0.1361	0.00321	0.041455	0.37141	-0.06881	0.13761	-0.0022
-0.06072	0.19023	0.065295	0.1589	0.005711	0.90203	0.031423	0.49815	-0.01262
0.209811	4.81E-06	0.207411	6.20E-06	0.005652	0.90304	-0.05812	0.20997	0.152777
0.15021	0.00113	-0.19023	3.51E-05	-0.0224	0.62916	-0.02878	0.53498	-0.05893
-0.14732	0.00141	-0.1831	6.89E-05	-0.0498	0.28286	-0.07052	0.12807	-0.19018
0.07237	0.11834	-0.12028	0.00928	-0.0399	0.38962	-0.0896	0.053	-0.01406
-0.0327	0.48088	0.013502	0.77104	0.000137	0.99765	-0.07278	0.11627	-0.0126
-0.08241	0.07523	-0.32544	5.54E-13	-0.10495	0.02331	-0.22501	8.98E-07	-0.12269

-0.02798	0.54644	-0.14783	0.00136	0.008882	0.84819	-0.00783	0.86597	0.110236
0.087435	0.05902	0.075412	0.10361	-0.04874	0.29319	-0.10608	0.02187	-0.04023
-0.06861	0.13873	-0.16414	0.00037	0.080577	0.08196	-0.00454	0.92203	-0.00234
0.03434	0.4591	0.061928	0.18156	0.001325	0.97721	-0.11767	0.01093	0.034729
-0.12341	0.00759	-0.20634	6.94E-06	0.012115	0.794	0.014776	0.75012	-0.06454
0.031169	0.50164	-0.08662	0.06142	0.157974	0.00061	0.05462	0.23877	0.099496
0.029438	0.52569	0.104987	0.02327	-0.04354	0.34786	-0.07997	0.08429	0.065271
0.054794	0.23727	-0.11514	0.01278	-0.00963	0.83551	0.010197	0.82604	-0.03744
-0.04059	0.3815	0.017318	0.70895	-0.04113	0.37515	-0.04984	0.28245	0.012479
-0.13129	0.00449	-0.22992	5.10E-07	0.003618	0.93785	-0.00147	0.9747	-0.07497
0.030125	0.51608	-0.23507	2.77E-07	0.035625	0.44246	-0.0426	0.35832	-0.09445
0.076155	0.10024	0.060644	0.1908	0.048796	0.29267	0.095866	0.03837	0.260359
0.002691	0.95376	-0.4614	5.35E-26	-0.04278	0.35633	-0.07116	0.12462	-0.17666
0.224783	9.22E-07	0.255958	2.02E-08	0.080966	0.08048	0.11554	0.01247	0.32276
-0.11911	0.00999	-0.22723	6.96E-07	0.059336	0.20056	0.05058	0.27535	0.033219
-0.09771	0.03478	-0.0848	0.06712	-0.01168	0.80127	0.106753	0.02103	0.129615
-0.2374	2.09E-07	-0.1283	0.00549	0.012231	0.79208	0.026689	0.56508	-0.02392
-0.04637	0.31733	0.228654	5.90E-07	0.141975	0.0021	0.377941	2.64E-17	0.085276
-0.15516	0.00077	-0.0691	0.13595	0.016417	0.72346	0.052611	0.25651	0.050357
-0.0455	0.32656	-0.06816	0.14137	-0.00972	0.8341	0.052395	0.25847	0.004296
0.250493	4.10E-08	0.109121	0.01833	-0.06605	0.1541	-0.12751	0.00579	-0.19777
0.139321	0.00255	-0.03325	0.4735	0.049924	0.28163	0.013782	0.76644	-0.07127
-0.04731	0.30768	0.110384	0.01702	0.106139	0.02179	0.278692	8.88E-10	0.248523
-0.09217	0.04651	-0.32832	3.37E-13	-0.02498	0.59032	-0.02861	0.53741	-0.0934
-0.03782	0.41488	-0.23734	2.11E-07	0.000289	0.99503	-0.01438	0.75656	-0.06271
-0.16641	0.0003	-0.21162	3.96E-06	0.025151	0.58772	0.085077	0.06622	0.008949
-0.10274	0.02641	-0.11464	0.01318	-0.06161	0.18384	-0.15146	0.00103	-0.07139
0.120982	0.00887	0.077657	0.0937	0.006471	0.88909	0.028646	0.53689	-0.04828
-0.10371	0.025	-0.07657	0.09839	-0.02014	0.66424	0.107234	0.02046	-0.04433
0.184827	5.87E-05	0.131872	0.00431	0.02079	0.65407	0.06977	0.13219	-0.04002
0.216389	2.36E-06	0.093472	0.04349	0.005018	0.91387	0.091524	0.04808	-0.0358
0.098759	0.03287	-0.34988	6.79E-15	-0.02882	0.53438	-0.13561	0.00332	-0.12377
-0.01949	0.67443	0.249768	4.50E-08	0.092778	0.04508	0.193639	2.52E-05	0.113861
-0.03148	0.49742	-0.11222	0.01526	-0.00834	0.85743	0.041102	0.3755	0.063304
-0.03983	0.39049	0.216164	2.42E-06	0.081012	0.08032	0.258091	1.53E-08	0.144439
0.026242	0.57161	0.047136	0.30941	-0.01801	0.69794	0.130929	0.0046	-0.15199
0.054225	0.24219	0.246651	6.68E-08	0.124017	0.00729	0.250435	4.13E-08	0.176005
0.054542	0.23944	-0.01077	0.81644	-0.00019	0.99677	-0.05121	0.26939	-0.04045
-0.07675	0.09759	-0.16855	0.00025	-0.00234	0.95974	-0.1012	0.02876	0.036285
0.073876	0.11085	0.187463	4.57E-05	0.009536	0.83717	0.01701	0.71389	0.08715
-0.20166	1.13E-05	-0.08781	0.05793	0.114819	0.01303	0.317174	2.25E-12	0.029332
0.065499	0.1576	-0.01445	0.75545	-0.01024	0.82535	-0.06495	0.16112	0.069258
-0.18113	8.28E-05	-0.09898	0.03248	0.034855	0.4524	0.184388	6.11E-05	0.003934
0.022481	0.62798	-0.25198	3.39E-08	-0.03078	0.50702	0.021805	0.63836	-0.12284
-0.03789	0.41403	-0.16116	0.00047	0.006415	0.89003	0.008561	0.85362	0.021478



0.195036	2.19E-05	-0.03464	0.45517	-0.01271	0.78417	-0.00294	0.94955	-0.05606
0.01208	0.79459	0.063038	0.17384	-0.022	0.63539	-0.10757	0.02007	-0.08368
-0.01186	0.79827	-0.23325	3.44E-07	-0.0484	0.29663	-0.10635	0.02152	-0.23519
-0.07188	0.12083	-0.14206	0.00209	0.010837	0.81532	-0.01745	0.70691	-0.08242
-0.09284	0.04493	-0.1277	0.00572	-0.02514	0.58785	-0.0963	0.0375	-0.15664
-0.09088	0.04968	-0.24232	1.15E-07	-0.01097	0.81314	-0.05112	0.27024	-0.06282
-0.0348	0.45312	-0.07657	0.09838	0.075456	0.1034	0.065255	0.15916	0.331535
0.008575	0.85338	-0.19325	2.61E-05	0.071744	0.12156	-0.0149	0.74814	0.008757
0.119617	0.00967	-0.07771	0.09347	0.057064	0.21838	0.058567	0.20647	0.231837
0.2745	1.62E-09	0.241605	1.25E-07	0.023622	0.61063	0.103096	0.02589	-0.08666
-0.11836	0.01047	-0.17008	0.00022	0.058237	0.20904	0.15741	0.00064	0.117942
0.065869	0.15527	-0.09678	0.03655	-0.01379	0.76622	0.016551	0.72129	0.009104
-0.0518	0.26392	-0.44176	9.94E-24	-0.04121	0.37427	-0.09087	0.04969	-0.15587
0.074182	0.10938	0.265958	5.30E-09	0.027141	0.5585	0.007278	0.87536	0.156139
-0.06691	0.14885	-0.08588	0.0637	0.034845	0.45252	0.038017	0.41242	-0.06493
-0.1827	7.15E-05	-0.29604	6.71E-11	-0.01283	0.7822	-0.05093	0.27204	-0.07016
0.029626	0.52305	0.026717	0.56467	-0.03901	0.40033	-0.09428	0.04169	-0.03984
-0.06983	0.13183	-0.0237	0.60949	-0.04816	0.29901	-0.06122	0.18658	-0.02963
-0.01715	0.71162	0.085573	0.06465	0.013519	0.77075	0.080428	0.08252	-0.05387
0.165732	0.00032	-0.02578	0.57834	0.002593	0.95543	-0.04443	0.33807	0.079169
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-0.02677	0.56391	-0.19707	1.79E-05	0.031233	0.50075	-0.03791	0.41376	0.159031
-0.0977	0.03479	-0.27153	2.45E-09	0.165571	0.00033	0.313029	4.48E-12	0.112426
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0.18424	6.20E-05	0.135312	0.00339	0.128411	0.00545	0.015593	0.7368	0.078159
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0.06487	0.16164	0.042275	0.36202	-0.00356	0.93892	0.014222	0.7592	-0.01991
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0.037296	0.42135	-0.19089	3.29E-05	0.036863	0.42675	-0.02237	0.62974	-0.00666
0.001938	0.96669	0.117763	0.01087	0.004356	0.9252	0.023447	0.61327	-0.03566
0.045471	0.32683	0.272791	2.06E-09	0.127905	0.00564	0.378346	2.43E-17	0.041193
0.151187	0.00105	0.267211	4.46E-09	0.121993	0.00831	0.352537	4.11E-15	0.064939
0.126751	0.00609	0.159171	0.00056	0.03742	0.4198	0.118313	0.0105	-0.12286
-0.04344	0.34891	-0.29235	1.18E-10	-0.06973	0.13241	-0.14995	0.00115	-0.24978
-0.16691	0.00029	-0.30521	1.59E-11	-0.05226	0.25967	0.076132	0.10034	-0.27462
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0.206884	6.55E-06	0.150476	0.00111	-0.01239	0.78945	-0.10389	0.02476	0.096805
0.056891	0.21977	0.235843	2.52E-07	0.061491	0.18467	0.037657	0.41686	-0.02299
0.123797	0.0074	0.255008	2.29E-08	0.048148	0.29913	0.035968	0.43808	-0.00793
-0.11131	0.01611	-0.34947	7.34E-15	0.05016	0.27937	-0.0402	0.38603	0.193806
-0.08983	0.05238	-0.2966	6.15E-11	-0.03015	0.51569	-0.15895	0.00057	-0.12216
-0.15531	0.00076	-0.32842	3.31E-13	0.042514	0.35931	0.013961	0.76349	-0.02232
-0.0857	0.06424	-0.40477	7.74E-20	-0.0256	0.58107	-0.15555	0.00074	-0.0635
0.23369	3.27E-07	0.320014	1.40E-12	-0.0111	0.81089	-0.0411	0.3755	0.060993
0.020563	0.65761	-0.10849	0.01902	0.011193	0.80937	0.038187	0.41033	0.06435

0.035283	0.44686	0.08666	0.06131	-0.04653	0.31571	-0.13182	0.00432	-0.23601
-0.17974	9.40E-05	-0.4225	1.21E-21	-0.01448	0.75504	-0.11218	0.01529	0.020002
0.062923	0.17463	0.083545	0.07127	0.004237	0.92724	-0.0689	0.13711	0.057113
0.19416	2.39E-05	0.095628	0.03885	-0.01366	0.7684	-0.06041	0.19252	0.017288
0.075816	0.10176	0.008726	0.85083	-0.00472	0.91893	-0.04608	0.32034	-0.03308
0.213167	3.36E-06	0.236871	2.23E-07	0.093876	0.04259	0.098681	0.03301	0.26649
-0.02955	0.52409	0.031924	0.49132	0.025249	0.58626	-0.02405	0.60415	0.196944
-0.00463	0.92059	0.127254	0.00589	0.071425	0.12323	0.108292	0.01924	0.319109
0.25662	1.85E-08	0.02383	0.60749	0.026441	0.56871	-0.04171	0.36853	-0.01481
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0.239977	1.53E-07	0.144728	0.00171	-0.02092	0.65202	-0.04518	0.32994	0.109007
-0.08786	0.05781	-0.08536	0.06531	0.000203	0.9965	0.052281	0.25951	-0.00026
-0.00115	0.98027	0.006913	0.88157	0.059815	0.19694	0.104567	0.02383	0.016669
-0.03522	0.44767	-0.12229	0.00815	0.068611	0.13875	0.049488	0.28586	0.00566
-0.12604	0.00639	-0.28368	4.30E-10	0.021932	0.6364	-0.00036	0.9938	-0.03401
-0.00088	0.98495	0.059656	0.19814	0.079122	0.08765	0.137804	0.00284	-0.014
0.003105	0.94665	0.036489	0.43146	0.11677	0.01156	0.206727	6.66E-06	0.034646
-0.13959	0.0025	-0.16342	0.00039	-0.02027	0.66223	-0.06872	0.13813	0.196876
0.047105	0.30973	-0.02212	0.63351	-0.00881	0.84943	0.029949	0.51852	-0.03174
0.096748	0.03661	-0.03018	0.51533	-0.02295	0.62077	-0.03036	0.51283	-0.00266
-0.01872	0.68658	-0.07781	0.09306	0.078127	0.09172	0.11566	0.01238	-0.00748
-0.11502	0.01288	-0.13756	0.00289	0.033592	0.46895	0.13969	0.00248	0.144178
0.022305	0.63067	-0.05843	0.20755	-0.01677	0.71782	-0.04475	0.33456	0.00381
-0.07764	0.09375	0.007643	0.86916	-0.02249	0.6279	0.042219	0.36266	0.006919
-0.14943	0.0012	-0.22143	1.35E-06	-0.03548	0.44429	-0.02975	0.52126	-0.03882
-0.11749	0.01105	-0.1887	4.06E-05	0.005109	0.91232	0.04048	0.38277	-0.05715
0.150808	0.00108	-0.05758	0.21424	-0.02006	0.66543	-0.08638	0.06217	-0.09029
-0.08215	0.07613	-0.07316	0.11438	0.000585	0.98995	0.032572	0.48256	-0.12143
0.047088	0.30991	-0.01038	0.82293	0.001498	0.97425	-0.02015	0.66399	-0.00467
-0.06301	0.17402	-0.07981	0.08493	0.031259	0.5004	0.064575	0.16356	-0.01567
0.074559	0.10758	-0.13565	0.00331	0.011368	0.80644	-0.0962	0.0377	-0.0159
0.225173	8.82E-07	0.277571	1.04E-09	-0.00589	0.899	-0.05396	0.24449	-0.04129
-0.04525	0.32922	-0.25209	3.34E-08	0.019192	0.67911	-0.04182	0.36725	-0.00693
0.176122	0.00013	0.2022	1.07E-05	0.039492	0.3945	0.020273	0.66214	0.109701
-0.0105	0.82104	-0.20381	9.03E-06	0.059768	0.1973	0.040581	0.38159	0.334362
0.05623	0.22519	-0.00036	0.99383	0.020472	0.65902	0.10361	0.02515	-0.0665
0.048856	0.29207	0.141941	0.00211	0.065039	0.16055	0.106106	0.02183	0.054179
0.186524	5.00E-05	0.242829	1.08E-07	0.029934	0.51874	0.058336	0.20827	0.126483
0.096343	0.03741	-0.26623	5.10E-09	0.020959	0.65144	-0.05624	0.22515	0.014545
0.010486	0.8212	-0.05337	0.24972	-0.03427	0.45999	-0.02655	0.56716	-0.13331
-0.04596	0.32165	-0.29653	6.22E-11	-0.00409	0.92971	-0.03796	0.41308	-0.06711
0.010229	0.82552	-0.03114	0.50205	-9.29E-05	0.9984	-0.02424	0.60137	-0.11601
0.046493	0.31607	-0.099	0.03244	-0.02599	0.57533	-0.07807	0.09198	0.017827
0.049653	0.28426	0.018362	0.69227	0.020355	0.66084	0.033876	0.46519	-0.06449
0.17241	0.00018	0.215866	2.50E-06	-0.00693	0.88127	-0.04014	0.38682	0.090813

-0.15947	0.00054	-0.11294	0.01461	0.034209	0.46082	0.281168	6.21E-10	0.376306
-0.05913	0.20215	0.110923	0.01648	0.070162	0.13002	0.199589	1.39E-05	0.367862
0.277704	1.02E-09	0.326629	4.52E-13	0.007823	0.8661	-0.01498	0.74672	0.117085
-0.0228	0.62304	-0.04436	0.33883	0.033577	0.46914	0.015544	0.7376	0.299449
0.166605	0.0003	-0.14593	0.00157	-0.02071	0.65529	-0.06807	0.1419	-0.06602
0.163815	0.00038	0.000757	0.98698	0.127513	0.00579	0.002478	0.95741	0.109782
-0.09416	0.04197	-0.25528	2.21E-08	-0.01642	0.72333	-0.08867	0.05553	-0.06683
-0.03852	0.40631	-0.00048	0.99178	0.05467	0.23834	0.182923	7.01E-05	-0.00188
-0.16092	0.00048	-0.29639	6.34E-11	-0.00599	0.89723	-0.04742	0.30654	-0.00313
-0.01188	0.79783	-0.14794	0.00135	0.040991	0.3768	0.10347	0.02535	0.308124
-0.07074	0.12688	-0.19268	2.76E-05	0.061885	0.18187	5.35E-05	0.99908	0.049087
0.228393	6.09E-07	0.076215	0.09997	0.045434	0.32723	-0.02851	0.5388	0.08373
-0.01461	0.75284	-0.05109	0.2705	0.009727	0.83395	0.008401	0.85631	0.087015
0.166118	0.00031	0.241786	1.23E-07	0.009811	0.83254	-0.04174	0.36818	0.026645
0.181818	7.76E-05	0.093552	0.04331	-0.00905	0.84539	-0.14717	0.00143	0.135305
-0.04623	0.31878	-0.31877	1.73E-12	-0.00584	0.89985	-0.08268	0.07428	-0.10924
0.036827	0.42721	0.049515	0.28561	0.02357	0.61141	0.065153	0.15982	0.272632
-0.12942	0.00509	-0.35504	2.55E-15	0.093941	0.04245	0.147575	0.00138	0.265609
-0.11776	0.01087	0.106829	0.02094	0.054054	0.24368	0.157807	0.00062	0.031306
0.171818	0.00019	0.291218	1.40E-10	-0.00237	0.95922	0.016029	0.72973	-0.00955
-0.12077	0.00899	-0.15671	0.00068	-0.02572	0.57936	0.067232	0.14688	0.006371
-0.07428	0.10891	-0.19877	1.51E-05	-0.00287	0.95074	-0.02842	0.54014	-0.03902
-0.07261	0.1171	-0.17442	0.00015	0.012814	0.7824	0.096749	0.03661	-0.00644
0.048486	0.29575	0.156857	0.00067	-0.04071	0.38004	-0.16928	0.00024	0.113781
-0.22643	7.63E-07	-0.28372	4.27E-10	-0.01728	0.70963	0.03073	0.50768	-0.02845
-0.02368	0.60976	-0.09248	0.04578	0.022465	0.62823	-0.00047	0.99184	0.016204
-0.14304	0.00194	-0.15047	0.00111	0.048356	0.29704	0.053574	0.24789	0.057042
0.075583	0.10282	0.285696	3.20E-10	0.059916	0.19619	0.088562	0.05582	0.250846
0.211731	3.92E-06	-0.06719	0.14714	0.01836	0.69231	0.024268	0.60089	-0.05883
-0.0021	0.96387	-0.02704	0.55999	0.056467	0.22324	0.00169	0.97094	0.108509
-0.12404	0.00728	-0.01297	0.77986	-0.02447	0.59794	0.052219	0.26008	-0.15306
-0.10427	0.02424	0.016444	0.72301	-0.03937	0.39593	0.019329	0.67695	-0.18241
0.006996	0.88016	-0.06824	0.14091	0.043421	0.34913	0.018198	0.69489	0.083318
-0.07502	0.10542	-0.1771	0.00012	0.013577	0.7698	-0.02111	0.64906	-0.02508
0.147004	0.00144	0.3212	1.14E-12	0.218192	1.94E-06	0.433812	7.49E-23	0.129453
-0.10468	0.02367	-0.22235	1.22E-06	-0.0291	0.53046	-0.03929	0.39697	-0.22214
-0.07829	0.09105	-0.39471	7.34E-19	-0.03253	0.48312	-0.06437	0.1649	-0.0921
0.086937	0.06049	-0.11638	0.01185	-0.03848	0.40674	-0.13527	0.0034	-0.06389
-0.10503	0.02321	-0.45205	6.71E-25	-0.0574	0.21566	-0.15085	0.00108	-0.19172
-0.12231	0.00815	-0.46251	3.94E-26	0.045511	0.3264	0.099167	0.03215	-0.08796
0.210594	4.42E-06	0.083229	0.07235	0.032961	0.47735	0.03559	0.44292	0.054655
-0.13863	0.00268	-0.01029	0.82454	0.010161	0.82666	0.028763	0.53523	-0.01962
-0.08471	0.06739	-0.43168	1.27E-22	-0.03596	0.43823	-0.08044	0.08249	-0.23963
-0.02283	0.62262	0.090882	0.04967	0.148302	0.00131	0.39349	9.60E-19	0.20929
-0.1215	0.00858	-0.41433	8.49E-21	-0.01043	0.82217	-0.03198	0.49055	-0.10752

0.057139	0.21777	0.134487	0.00359	0.108901	0.01857	0.064131	0.16648	0.285947
0.024418	0.59865	0.123379	0.0076	0.063853	0.16833	0.206637	6.73E-06	0.12324
0.015133	0.7443	-0.13635	0.00315	-0.0091	0.84455	-0.06383	0.16851	-0.06201
0.074624	0.10727	0.088678	0.05549	0.05909	0.20243	0.062249	0.1793	-0.02602
0.009887	0.83125	-0.38479	6.27E-18	-0.02267	0.6251	0.044719	0.33491	-0.14226
0.05167	0.26513	-0.11684	0.01151	0.007413	0.87306	-0.02273	0.62417	0.032226
-0.03746	0.41932	-0.17672	0.00012	0.084308	0.06872	0.105956	0.02202	0.125953
0.024401	0.59891	-0.12469	0.00698	0.025378	0.58435	-0.02724	0.55709	-0.00127
0.05395	0.24459	0.047635	0.30432	0.038322	0.40867	0.18502	5.76E-05	0.227992
-0.17668	0.00012	-0.23812	1.92E-07	-0.0001	0.99827	-0.02969	0.52213	-0.02491
-0.06525	0.15919	-0.03489	0.45193	0.03182	0.49273	0.165193	0.00034	0.207478
0.07288	0.11576	-0.04828	0.2978	0.047154	0.30923	0.112302	0.01518	-0.04648
-0.05516	0.23412	0.089762	0.05256	0.11619	0.01198	0.375534	4.35E-17	-0.00978
0.213314	3.30E-06	0.133259	0.00392	0.089801	0.05246	0.196636	1.87E-05	0.223021
0.04455	0.33673	0.091988	0.04695	0.002874	0.95061	-0.04454	0.33681	0.088111
0.19495	2.21E-05	0.282272	5.29E-10	0.039725	0.39172	0.007135	0.87779	0.092546
0.097174	0.03579	0.156438	0.00069	0.040471	0.38288	-0.00993	0.83058	0.071754
-0.06352	0.17057	-0.01598	0.73057	0.06046	0.19215	0.17213	0.00019	0.057122
-0.14967	0.00118	0.037164	0.42299	0.015206	0.7431	0.237731	2.01E-07	0.06132
-0.15382	0.00085	0.082131	0.07621	0.033942	0.46432	0.189819	3.65E-05	0.058722
-0.15936	0.00055	-0.00468	0.91974	0.017906	0.69954	0.063085	0.17352	0.033464
0.054681	0.23825	0.121138	0.00878	0.044306	0.33939	0.036139	0.43591	-0.01917
-0.02485	0.59215	-0.00854	0.85398	0.013063	0.77828	0.104981	0.02328	-0.09639
-0.12391	0.00734	-0.19855	1.54E-05	0.0159	0.73182	0.014347	0.75715	0.120811
-0.09285	0.04492	-0.32189	1.02E-12	-0.00109	0.98127	-0.03606	0.43695	0.013718
0.247227	6.21E-08	0.223439	1.07E-06	-0.05519	0.23386	-0.07176	0.12149	0.058906
0.098554	0.03323	-0.02968	0.52232	-0.08908	0.05439	-0.12451	0.00706	-0.16717
0.127034	0.00598	0.233434	3.37E-07	-0.06037	0.19278	-0.1786	0.0001	-0.13013
-0.05513	0.23437	0.017205	0.71077	-0.01465	0.75219	0.051659	0.26523	0.040266
0.193328	2.59E-05	0.149764	0.00117	-0.00813	0.86082	-0.00568	0.90249	-0.02724
0.036904	0.42624	0.057295	0.21651	0.045049	0.33135	0.069722	0.13246	0.145653
0.163763	0.00038	0.268746	3.61E-09	0.040999	0.3767	0.123767	0.00741	0.217956
0.186221	5.14E-05	0.22728	6.92E-07	0.065963	0.15468	0.227353	6.87E-07	0.062146
-0.02618	0.5725	-0.08728	0.05948	-0.00898	0.84651	0.038988	0.40057	-0.04567
0.00267	0.95411	-0.19512	2.18E-05	0.011254	0.80835	0.005801	0.90051	-0.10549
0.018815	0.68509	-0.26769	4.18E-09	-0.02281	0.62291	-0.14101	0.00226	-0.09088
-0.20478	8.17E-06	0.00436	0.92514	0.062625	0.17668	0.218001	1.98E-06	0.13672
0.163137	0.0004	0.138725	0.00266	0.007445	0.87252	0.050339	0.27765	0.157079
-0.05938	0.20025	-0.08792	0.05762	0.023587	0.61116	0.151538	0.00102	0.312482
-0.01055	0.82015	-0.22233	1.22E-06	-0.03591	0.43882	-0.09355	0.04332	-0.06507
0.151739	0.001	-0.01521	0.74303	-0.02844	0.53979	-0.03013	0.51594	-0.07616
-0.11892	0.01011	-0.39939	2.60E-19	-0.01428	0.75817	-0.11645	0.01179	0.01314
0.031664	0.49486	-0.12848	0.00543	0.010183	0.82628	-0.03098	0.50419	0.042191
0.069302	0.13481	0.095229	0.03968	0.029659	0.52258	-0.0468	0.31285	0.160599
-0.04975	0.28332	-0.15945	0.00054	0.042815	0.35591	0.010998	0.81263	0.244276

-0.01777	0.70173	-0.05063	0.27489	-0.05325	0.25074	-0.12885	0.00529	-0.04182
0.053712	0.24668	0.062827	0.17529	0.063098	0.17343	0.022196	0.63235	0.212675
0.230648	4.68E-07	0.232728	3.66E-07	-0.00212	0.96352	-0.00983	0.83214	0.046619
-0.07767	0.09363	-0.14448	0.00175	0.006051	0.89624	-0.01954	0.67366	0.015942
-0.14716	0.00143	-0.36161	7.14E-16	0.032263	0.48673	0.029822	0.5203	0.152918
0.054202	0.24239	-0.08244	0.07512	0.030201	0.51501	0.183763	6.48E-05	0.195299
0.057375	0.21587	0.322348	9.42E-13	0.158414	0.00059	0.454561	3.43E-25	0.157424
-0.06304	0.17379	-0.10915	0.0183	0.048291	0.29769	0.009242	0.84212	0.049064
-0.00189	0.96753	-0.14132	0.0022	0.043141	0.35226	0.043303	0.35045	0.058303
-0.17374	0.00016	-0.41058	2.03E-20	-0.01492	0.74785	-0.05098	0.27158	-0.03662
-0.08828	0.05659	-0.3121	5.22E-12	-0.08189	0.07706	-0.14603	0.00155	-0.25399
-0.06246	0.17784	-0.2755	1.40E-09	-0.023	0.61999	-0.08653	0.06169	-0.1243
-0.14967	0.00118	-0.40233	1.35E-19	0.088964	0.05471	0.093571	0.04327	0.062539
0.190464	3.43E-05	0.116111	0.01204	0.039073	0.39954	-0.09733	0.03549	0.118137
0.082335	0.07548	0.165296	0.00033	-0.0044	0.92439	-0.03081	0.50651	0.063066
-0.14075	0.0023	-0.35626	2.02E-15	-0.01516	0.74378	-0.06544	0.158	-0.11431
-0.19222	2.89E-05	-0.41022	2.21E-20	-0.02168	0.64023	-0.07616	0.10022	-0.11662
-0.05557	0.23067	-0.14232	0.00205	0.101422	0.02841	0.100393	0.03007	0.077491
-0.17909	9.97E-05	-0.49598	2.29E-30	-0.01616	0.72759	-0.01061	0.81918	-0.03205
0.035057	0.44977	-0.33831	5.73E-14	-0.05024	0.27863	-0.12296	0.00781	-0.14927
0.050176	0.27921	-0.08237	0.07537	0.004433	0.92388	0.062668	0.17638	0.015411
-0.15554	0.00074	-0.37656	3.52E-17	0.083981	0.0698	0.139362	0.00254	0.166456
-0.04692	0.31163	-0.11097	0.01644	0.11812	0.01063	0.07173	0.12164	0.144553
0.021806	0.63833	0.029534	0.52435	0.028044	0.54549	-0.0558	0.22878	0.246446
-0.02814	0.54417	0.255403	2.17E-08	0.074148	0.10954	0.113799	0.01387	0.355871
-0.00524	0.91004	0.022465	0.62822	-0.02918	0.52934	-0.0437	0.34599	-0.00895
-0.23814	1.91E-07	-0.31713	2.27E-12	0.110175	0.01723	0.137806	0.00284	0.031479
0.215448	2.62E-06	0.143684	0.00185	-0.04459	0.33626	-0.06184	0.18215	-0.10071
0.118104	0.01064	0.196723	1.85E-05	-0.036	0.43763	-0.10606	0.02189	-0.07206
-0.21648	2.34E-06	-0.42523	6.25E-22	-0.03368	0.46778	-0.07565	0.10251	-0.18644
0.168998	0.00024	0.064453	0.16436	-0.05485	0.23678	-0.03567	0.44186	-0.03904
-0.00697	0.88061	-0.09583	0.03844	0.007045	0.87931	-0.06961	0.13308	0.018807
-0.06526	0.15912	-0.22245	1.20E-06	-0.03489	0.45189	-0.11612	0.01203	-0.12781
0.08071	0.08145	-0.15898	0.00056	0.119871	0.00952	0.290914	1.46E-10	0.030728
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0.029841	0.52003	-0.1464	0.00151	-0.01939	0.67605	-0.01867	0.68745	-0.08136
0.16853	0.00025	0.089978	0.052	-0.04997	0.28121	-0.0827	0.07417	-0.24041
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-0.21341	3.27E-06	-0.17793	0.00011	0.11266	0.01486	0.354457	2.85E-15	0.020232
-0.04311	0.35256	-0.03053	0.5105	0.145646	0.0016	0.208693	5.42E-06	0.280516
-0.01523	0.7427	-0.00052	0.991	0.02187	0.63736	0.055879	0.2281	0.022899
0.111071	0.01634	-0.26408	6.84E-09	-0.04496	0.33228	-0.04202	0.36495	-0.23258
0.213524	3.23E-06	0.101909	0.02766	0.10622	0.02169	0.02512	0.58818	0.196494
0.119254	0.0099	0.169942	0.00022	-0.06195	0.18137	-0.13143	0.00444	-0.03595

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0.003429	0.94108	0.076516	0.09863	-0.01003	0.82879	0.0149	0.7481	-0.01555
-0.08913	0.05425	0.060118	0.19469	0.048179	0.29882	0.025041	0.58935	0.050741
0.067658	0.14433	-0.01478	0.75	0.034818	0.45287	-0.04353	0.3479	-0.0523
-0.04232	0.36156	0.205723	7.40E-06	0.038973	0.40075	0.005699	0.90224	0.113982
0.082521	0.07482	-0.09802	0.0342	0.016678	0.71925	-0.03308	0.47569	-0.01153
-0.01897	0.6827	0.058071	0.21035	0.060312	0.19324	0.062916	0.17468	0.106087
-0.1372	0.00297	-0.27246	2.15E-09	-0.02251	0.62754	-0.07478	0.10655	-0.1303
0.098678	0.03301	0.032787	0.47968	0.04896	0.29105	0.122611	0.00799	0.135051
0.018351	0.69245	0.04227	0.36208	-0.03032	0.51335	-0.05499	0.2356	-0.15062
0.141546	0.00217	0.198793	1.51E-05	0.010333	0.82376	-0.00654	0.88783	0.070896
-0.14816	0.00132	-0.38735	3.63E-18	0.009196	0.84289	-0.01766	0.70353	-0.00394
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-0.11285	0.01469	-0.23663	2.30E-07	0.010397	0.82269	0.034787	0.45327	-0.04325
-0.17645	0.00013	-0.19214	2.91E-05	0.038509	0.40638	0.161536	0.00046	-0.00964
-0.16675	0.0003	-0.38226	1.07E-17	0.081339	0.0791	0.193423	2.57E-05	0.145771
-0.01023	0.82549	0.089866	0.05229	0.059612	0.19847	0.03971	0.39189	0.163701
0.0018	0.96906	0.38731	3.66E-18	0.160748	0.00049	0.287796	2.34E-10	0.420542
0.022928	0.62115	-0.41286	1.20E-20	0.005401	0.90734	-0.06445	0.16438	-0.03818
-0.04695	0.31133	-0.03965	0.39263	0.103464	0.02536	0.280221	7.12E-10	0.112564
0.096749	0.03661	0.145502	0.00162	-0.06014	0.19453	-0.03152	0.49682	0.09217
-0.03918	0.39822	-0.04954	0.28536	0.208561	5.49E-06	0.098466	0.03339	0.32245
-0.05329	0.25042	-0.24793	5.69E-08	0.00036	0.99382	0.019675	0.67151	-0.09519
-0.01826	0.69389	-0.20365	9.18E-06	-0.03129	0.5	-0.13587	0.00326	-0.03085
0.015747	0.73431	-0.04214	0.36361	0.017572	0.70488	-0.03917	0.3984	0.005145
-0.07467	0.10705	-0.13178	0.00434	0.143173	0.00192	0.313793	3.95E-12	0.09848
-0.07607	0.1006	-0.08041	0.08259	0.031559	0.49629	-0.00876	0.85019	-0.06162
0.03596	0.43817	-0.39778	3.73E-19	0.044241	0.34011	-0.00745	0.87245	-0.0421
0.00891	0.84772	-0.15611	0.00071	0.009976	0.82975	-0.03466	0.4549	0.013707
-0.19048	3.42E-05	-0.08642	0.06203	-0.03459	0.4559	-0.05759	0.21412	-0.01527
-0.28198	5.52E-10	-0.39154	1.47E-18	0.006861	0.88244	0.01758	0.70475	-0.15436
-0.01431	0.75782	-0.01585	0.73261	0.030175	0.51537	0.039206	0.39795	0.292244
0.092895	0.04481	0.142242	0.00206	-0.00561	0.90368	-0.06272	0.17604	-0.06086
0.014164	0.76015	-0.05933	0.20064	0.010658	0.81832	-0.0422	0.36283	-0.09958
-0.0049	0.91591	-0.05862	0.20608	-0.00942	0.83906	-0.02904	0.53134	-0.10606
-0.05551	0.23118	-0.23597	2.49E-07	0.019507	0.67415	-0.02828	0.54213	0.09524
0.186069	5.22E-05	0.13535	0.00338	0.053194	0.25127	-0.0085	0.85472	0.095719
0.025125	0.5881	0.001062	0.98173	0.042951	0.35439	0.083821	0.07034	0.094125
-0.10654	0.02129	-0.16137	0.00046	0.004174	0.92832	0.004514	0.9225	0.115258
-0.1131	0.01447	-0.0609	0.18894	-0.0153	0.74149	0.082727	0.0741	0.010699
0.115314	0.01265	0.370812	1.14E-16	0.013967	0.76339	0.165151	0.00034	0.144343
-0.10908	0.01837	-0.18696	4.80E-05	-0.00117	0.97988	-0.01137	0.80645	-0.04549
-0.10608	0.02186	-0.18906	3.93E-05	0.004359	0.92515	-0.02272	0.62425	-0.08383
-0.00039	0.99332	-0.07717	0.09576	0.039426	0.3953	-0.00705	0.8792	-0.02756
-0.08693	0.06051	0.105341	0.02281	0.149588	0.00119	0.353626	3.34E-15	0.351483

-0.03851	0.40636	-0.06026	0.1936	0.027353	0.55544	0.10256	0.02667	0.039003
0.056817	0.22038	0.119565	0.0097	-0.01866	0.68761	-0.01794	0.69892	0.17615
0.171756	0.00019	-0.07335	0.11345	-0.01718	0.71115	-0.03398	0.46384	0.049522
-0.05163	0.26549	-0.11753	0.01103	-0.01691	0.71553	-0.0414	0.37201	-0.08601
0.211556	3.99E-06	-0.04794	0.30118	0.144412	0.00176	0.339578	4.56E-14	0.025377
-0.057	0.21886	-0.08526	0.06564	0.011205	0.80916	0.060113	0.19472	-0.05209
-0.05998	0.19568	-0.10739	0.02028	0.336222	8.34E-14	0.166297	0.00031	0.111657
-0.10193	0.02762	-0.19078	3.33E-05	-0.01451	0.7544	-0.04412	0.34143	-0.08011
-0.08724	0.05959	-0.07958	0.08583	-0.005	0.9141	-0.01789	0.69973	-0.1012
-0.05944	0.19976	-0.118	0.01071	-0.01061	0.81905	-0.04172	0.36835	-0.06192
-0.09166	0.04775	-0.08654	0.06169	-0.01195	0.79672	-0.02387	0.60687	-0.06097
-0.0261	0.57372	-0.0104	0.82264	-0.00948	0.83814	-0.02206	0.63441	-0.01348
-0.01976	0.67016	-0.04938	0.28687	-0.00739	0.87341	-0.02014	0.66424	-0.02619
-0.02355	0.61166	-0.14967	0.00118	0.031752	0.49366	-0.04431	0.33935	-0.03249
-0.1098	0.01762	-0.01967	0.67163	0.000204	0.9965	0.101809	0.02781	0.029175
-0.04222	0.36262	-0.12316	0.00771	-0.01289	0.78118	0.013728	0.76732	-0.04359
-0.04267	0.35759	-0.10983	0.01758	-0.01157	0.80306	-0.01778	0.70155	-0.04904
-0.03482	0.4528	-0.12531	0.0067	-0.00596	0.89786	0.060914	0.18883	0.069709
0.132395	0.00416	0.204311	8.57E-06	0.008567	0.85351	-0.02163	0.64101	-0.03432
0.106453	0.0214	0.220578	1.48E-06	0.046315	0.31792	0.012898	0.78101	-0.0391
-0.00446	0.92338	-0.12565	0.00655	-0.02679	0.56355	-0.0228	0.62311	-0.06648
0.124963	0.00685	0.165833	0.00032	0.014815	0.74949	-0.04309	0.35282	-0.10735
0.148992	0.00124	0.172488	0.00018	-0.05471	0.23796	0.015672	0.73552	0.008074
0.002498	0.95707	-0.08986	0.05231	-0.00401	0.93118	-0.00859	0.85307	-0.02198
-0.04901	0.29056	-0.07747	0.09451	-0.00787	0.86526	-0.02531	0.58536	-0.02906
-0.12475	0.00695	-0.26933	3.33E-09	-0.05505	0.23507	-0.12122	0.00873	-0.19752
0.135871	0.00326	0.059561	0.19886	-0.02626	0.57138	-0.0109	0.81428	0.000562
0.06691	0.14883	0.088618	0.05566	-0.00985	0.83191	-0.02423	0.60152	-0.0265
-0.0969	0.03632	-0.20443	8.47E-06	-0.00157	0.97298	-0.01265	0.78518	-0.04183
-0.00825	0.8589	-0.0669	0.14891	-0.03289	0.47833	0.027615	0.55166	0.097278
-0.0224	0.62917	0.004827	0.91715	0.025118	0.5882	-0.00986	0.83168	-0.04949
-0.05625	0.22502	-0.07315	0.11443	-0.02706	0.55969	-0.03709	0.42389	-0.08569
0.012859	0.78167	0.018845	0.6846	-0.01466	0.75199	0.004489	0.92293	0.073457
0.043308	0.35039	-0.0263	0.57073	-0.01711	0.71234	-0.01109	0.81107	-0.01403
0.219211	1.73E-06	0.413926	9.33E-21	0.009186	0.84306	-0.03485	0.45244	0.15847
-0.15127	0.00104	-0.46973	5.27E-27	-0.02836	0.54101	-0.0758	0.10185	-0.10786
-0.07544	0.10347	-0.06767	0.14424	0.011136	0.81031	-0.06589	0.15511	-0.09866
0.15467	0.0008	0.004171	0.92836	0.050415	0.27693	0.032766	0.47995	0.02408
0.040041	0.38797	-0.13847	0.00271	0.014189	0.75974	0.054418	0.24052	-0.01857
-0.02735	0.55551	0.029551	0.52411	0.001684	0.97105	0.03475	0.45375	0.039232
0.002273	0.96094	-0.01245	0.78844	-0.03092	0.50506	-0.0004	0.99304	-0.00998
-0.04099	0.37679	0.019158	0.67965	-0.01058	0.81954	-0.0201	0.66477	0.106459
0.042665	0.3576	0.208132	5.75E-06	0.064318	0.16525	-0.01973	0.67066	0.079627
0.029985	0.51802	0.058369	0.20801	0.094146	0.042	-0.00502	0.91381	-0.00404
-0.02359	0.61116	-0.02509	0.58865	-0.03911	0.39911	-0.04294	0.35451	-0.03445

-0.08073	0.08138	-0.15472	0.00079	-0.04051	0.38243	0.018975	0.68254	0.086771
-0.0464	0.317	-0.10306	0.02595	-0.01793	0.69913	0.016071	0.72905	-0.00929
0.009322	0.84077	-0.03576	0.44069	0.019446	0.67511	-0.00993	0.83057	0.132542
0.106549	0.02128	0.059425	0.19989	-0.01122	0.80898	-0.08148	0.07856	0.07295
-0.07397	0.11041	-0.11292	0.01462	-0.01425	0.75875	-0.01993	0.66752	-0.04949
-0.08539	0.06521	-0.09954	0.0315	-0.03696	0.4255	-0.00137	0.97643	-0.07643
0.019402	0.6758	0.073531	0.11253	-0.01046	0.82161	-0.01187	0.79815	-0.03914
0.019203	0.67895	0.071909	0.12071	-0.02624	0.57161	-0.02305	0.61933	-0.01661
0.011201	0.80923	-0.0295	0.52477	-0.01088	0.81464	-0.02435	0.59969	-0.0338
-0.03527	0.44705	-0.14275	0.00199	-0.04472	0.33494	0.002775	0.95231	-0.01103
-0.07087	0.12618	-0.05629	0.2247	-0.04753	0.30538	-0.07849	0.0902	-0.05199
0.178118	0.00011	0.03423	0.46054	-0.02118	0.64801	-0.05082	0.2731	-0.04153
-0.11993	0.00949	-0.15028	0.00112	-0.06269	0.17622	-0.08679	0.06092	-0.06983
-0.00251	0.95692	-0.06042	0.19248	0.0178	0.70123	0.052827	0.25457	0.02853
-0.02243	0.62869	-0.00653	0.88816	-0.01597	0.73076	0.003097	0.94679	-0.03859
-0.00293	0.94959	0.035594	0.44286	0.119777	0.00958	0.181439	8.04E-05	0.162801
0.168352	0.00026	0.172278	0.00018	0.018615	0.68824	-0.05734	0.21616	-0.02766
0.166931	0.00029	0.105659	0.0224	0.009876	0.83143	0.053964	0.24447	0.000485
-0.00167	0.97122	0.252987	2.98E-08	0.000202	0.99653	-0.02373	0.60892	0.01007
0.152343	0.00096	0.175289	0.00014	0.042982	0.35403	0.138608	0.00268	0.13956
-0.23305	3.53E-07	-0.17646	0.00013	0.066464	0.15156	0.116378	0.01184	0.292383
0.071788	0.12134	0.174555	0.00015	0.023034	0.61954	-0.03243	0.48441	0.057378
0.071806	0.12124	-0.03013	0.51602	-0.03926	0.39728	-0.07489	0.10604	-0.08763
0.000781	0.98657	-0.01856	0.68906	0.019624	0.67231	0.032714	0.48065	-0.03212
0.009276	0.84154	-0.01385	0.76538	0.038342	0.40843	0.051313	0.26845	-0.01584
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0.057511	0.21478	0.083996	0.06975	0.033284	0.47304	0.04626	0.3185	-0.08291
0.157633	0.00063	0.465997	1.50E-26	0.094708	0.04078	0.037332	0.42089	0.324967
0.265962	5.30E-09	0.4746	1.32E-27	-0.01261	0.78582	-0.02353	0.61206	-0.14595
0.128132	0.00555	0.273718	1.80E-09	0.021967	0.63585	0.052258	0.25972	-0.07017
0.049368	0.28704	-0.21836	1.90E-06	0.057103	0.21806	-0.0402	0.38607	0.048537
0.167463	0.00028	0.104009	0.02459	0.004537	0.92211	-0.00795	0.86389	-0.05174
0.190826	3.31E-05	0.105847	0.02216	-0.00654	0.88789	-0.12173	0.00846	-0.03881
0.03575	0.44086	-0.06631	0.15252	0.07569	0.10233	0.066353	0.15225	0.313801
-0.08602	0.06326	-0.3705	1.21E-16	-0.02657	0.56686	-0.13862	0.00268	-0.09812
0.031002	0.50393	-0.18226	7.45E-05	-0.05879	0.20471	-0.14433	0.00177	-0.07878
-0.0307	0.50813	0.136693	0.00308	0.053709	0.24671	0.216432	2.35E-06	0.059958
0.069848	0.13175	-0.05776	0.21281	0.037934	0.41344	0.144531	0.00174	-0.02693
0.100641	0.02966	0.195016	2.20E-05	0.037576	0.41787	0.208124	5.75E-06	-0.0099
0.190147	3.54E-05	0.170756	0.00021	0.042464	0.35987	0.121288	0.0087	0.008166
0.012228	0.79212	0.027979	0.54643	0.09151	0.04811	0.122245	0.00818	0.279896
0.085911	0.0636	-0.11476	0.01309	-0.03231	0.48604	-0.11077	0.01663	-0.25743
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-0.10603	0.02192	-0.18646	5.03E-05	-0.01483	0.74921	-0.02689	0.56217	-0.08173



-0.07418	0.10938	-0.34763	1.04E-14	0.010234	0.82542	0.018119	0.69614	-0.08438
-0.10732	0.02036	-0.24235	1.14E-07	0.023611	0.61079	-0.00634	0.89138	0.079028
0.193019	2.67E-05	0.360414	9.02E-16	-0.04323	0.35125	-0.00771	0.86798	-0.03463
0.039361	0.39608	0.074707	0.10688	0.036685	0.429	0.054845	0.23684	0.069501
0.030686	0.50829	0.211815	3.88E-06	-0.03062	0.50927	0.075471	0.10334	-0.00654
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-0.02394	0.60586	0.038749	0.40347	0.054737	0.23776	-0.02894	0.53272	0.119797
-0.008	0.86303	0.037972	0.41296	0.02867	0.53656	0.009392	0.83959	0.081667
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-0.08257	0.07464	0.147998	0.00134	0.186717	4.91E-05	0.478512	4.25E-28	0.325712
-0.06128	0.18617	-0.10955	0.01788	-0.01337	0.77326	0.090165	0.05151	-0.06481
-0.14133	0.0022	-0.2375	2.07E-07	0.213503	3.24E-06	0.420438	1.99E-21	0.30912
-0.04928	0.2879	-0.27878	8.77E-10	-0.01844	0.69102	-0.08217	0.07607	-0.05188
-0.07309	0.11469	0.127482	0.0058	0.006677	0.88558	-0.00601	0.89702	0.06405
-0.08208	0.0764	-0.25552	2.14E-08	0.100277	0.03026	0.149749	0.00117	0.03074
0.010263	0.82493	0.040963	0.37712	-0.0023	0.96049	-0.04325	0.35105	-0.08124
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-0.06978	0.13213	-0.10949	0.01794	0.002839	0.95121	0.020864	0.65291	-0.17965
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0.202285	1.06E-05	0.368052	1.99E-16	0.003821	0.93437	-0.00724	0.876	0.048554
0.160479	0.0005	0.167734	0.00027	0.102061	0.02743	-0.05332	0.25016	0.061637
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0.136653	0.00309	-0.3224	9.34E-13	-0.02905	0.53113	-0.10976	0.01766	-0.20083
-0.00519	0.9109	-0.24368	9.69E-08	-0.01597	0.73074	-0.00645	0.88943	-0.08925
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-0.05709	0.2182	-0.07163	0.12214	0.122035	0.00829	0.221424	1.35E-06	0.397691
0.014426	0.75585	0.070299	0.12927	0.034279	0.4599	0.025161	0.58757	-0.04018
0.005198	0.91079	-0.02944	0.5257	0.011703	0.80086	0.007288	0.87519	-0.19786
-0.08533	0.06542	-0.20467	8.25E-06	0.019385	0.67607	0.132254	0.0042	-0.08528
0.001477	0.9746	-0.08817	0.0569	0.014431	0.75577	0.140036	0.00242	-0.15028
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0.088832	0.05507	0.146448	0.00151	0.066381	0.15208	0.261453	9.75E-09	0.139018
0.210189	4.62E-06	0.01923	0.67852	0.172956	0.00017	-0.00557	0.90436	0.016188
0.026462	0.5684	0.119657	0.00965	0.134169	0.00367	0.44015	1.50E-23	0.084687
0.244214	9.07E-08	0.273282	1.92E-09	0.02094	0.65173	0.083943	0.06993	0.169761
-0.02828	0.54209	-0.11747	0.01107	0.066373	0.15212	0.098697	0.03298	0.194292
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0.03251	0.4834	0.009214	0.84259	0.014272	0.75837	0.008151	0.86054	0.034079
0.18873	4.05E-05	-0.0995	0.03158	-0.00982	0.83242	-0.06996	0.13115	-0.00041
0.081317	0.07918	0.375872	4.05E-17	0.051101	0.27044	0.079743	0.08518	0.126342
0.168674	0.00025	0.116363	0.01185	0.00122	0.97902	-0.02932	0.52739	-0.11041
0.110296	0.01711	0.381298	1.31E-17	0.02642	0.56901	0.154049	0.00084	0.096113
0.069541	0.13346	0.000214	0.99631	0.084475	0.06817	0.124274	0.00717	0.031482

0.003951	0.93214	-0.02891	0.53321	-0.00166	0.97151	-0.00371	0.93622	-0.0231
-0.00224	0.96143	-0.03109	0.50267	-0.00223	0.9617	-0.01894	0.68314	-0.02415
-0.16492	0.00034	-0.28225	5.31E-10	-0.08884	0.05504	-0.174	0.00016	-0.14116
0.005666	0.90281	-0.11772	0.0109	0.046399	0.31705	0.129678	0.005	0.194536
0.225942	8.08E-07	0.092746	0.04516	-0.00117	0.97989	-0.07366	0.1119	-0.03881
-0.02041	0.66	-0.3842	7.10E-18	0.035834	0.43979	-0.13443	0.00361	-0.12558
-0.04446	0.33776	-0.25552	2.14E-08	-0.04754	0.30529	-0.10597	0.022	-0.0976
-0.0863	0.06239	-0.09055	0.05051	0.002553	0.95611	-0.01079	0.81611	-0.05184
-0.00989	0.83113	-0.08783	0.05788	0.005212	0.91057	-0.02591	0.57644	-0.03108
-0.01716	0.71144	-0.04185	0.36682	-0.0021	0.96382	-0.05514	0.23434	-0.02628
0.122521	0.00803	0.457509	1.55E-25	0.100804	0.0294	0.159975	0.00052	0.250629
-0.02428	0.60065	-0.17706	0.00012	0.042384	0.36078	-0.02967	0.52248	0.03012
0.042572	0.35865	0.053596	0.2477	0.024864	0.59199	-0.02529	0.58559	-0.0364
-0.05419	0.24249	0.029701	0.522	0.014703	0.75132	-0.03312	0.47522	0.028322
-0.09864	0.03307	0.188698	4.06E-05	-0.02067	0.656	-0.01341	0.7725	-0.03345
0.151556	0.00102	-0.0725	0.11765	0.035004	0.45046	-0.04603	0.32095	0.143738
0.060403	0.19257	0.251635	3.54E-08	0.045331	0.32832	0.069744	0.13233	0.133086
0.070233	0.12963	-0.18837	4.20E-05	-0.03117	0.50156	-0.20952	4.96E-06	-0.09529
-0.07642	0.09905	0.016244	0.72625	-0.01038	0.82299	0.00401	0.93113	0.01674
-0.1269	0.00603	-0.2583	1.49E-08	0.002537	0.9564	0.006065	0.89601	-0.06502
0.089252	0.05392	0.241858	1.21E-07	0.019072	0.68101	0.088265	0.05665	0.123445
-0.13678	0.00306	-0.15827	0.0006	0.037536	0.41836	-0.00358	0.93852	-0.06228
-0.21247	3.62E-06	-0.17537	0.00014	-0.12524	0.00673	-0.18976	3.67E-05	-0.27542
0.038723	0.40378	0.210102	4.66E-06	0.022091	0.63395	0.080744	0.08132	-0.11483
-0.01803	0.6976	0.283379	4.50E-10	0.161467	0.00046	0.400658	1.96E-19	0.396339
-0.01389	0.76458	-0.04966	0.28415	-0.02554	0.58195	-0.0353	0.4466	-0.02119
-0.01874	0.68627	-0.13379	0.00377	-0.05754	0.21454	-0.19731	1.75E-05	-0.11675
0.088322	0.05649	0.116966	0.01142	0.001675	0.97121	0.021267	0.64666	0.04282
0.089519	0.05321	-0.34213	2.86E-14	-0.03096	0.50453	-0.10503	0.02321	-0.06395
-0.00181	0.96891	-0.10525	0.02292	-0.04125	0.37378	-0.08325	0.07229	-0.04021
-0.00662	0.8866	0.028846	0.53405	0.113392	0.01422	0.063573	0.17021	0.190673
0.10197	0.02756	0.008092	0.86154	-0.04306	0.35321	-0.06826	0.14078	-0.09024
-0.10678	0.021	-0.05292	0.25376	-0.00277	0.95232	-0.03039	0.51241	0.041729
-0.01205	0.79513	0.00976	0.83339	0.017146	0.71172	0.084868	0.06689	0.03723
0.000551	0.99053	0.068005	0.14228	0.014773	0.75017	0.045829	0.32304	0.060006
0.103907	0.02474	0.303002	2.26E-11	0.011794	0.79934	0.162976	0.00041	-0.01849
-0.0212	0.64763	-0.01225	0.79178	-0.00341	0.94133	-0.00044	0.99249	-0.01853
0.009383	0.83974	0.006209	0.89354	-0.00984	0.83211	-0.02662	0.56614	0.027105
0.030276	0.51397	0.054641	0.23859	0.060053	0.19517	0.144271	0.00177	0.000829
0.008464	0.85526	0.051778	0.26413	-0.00955	0.83697	-0.00897	0.84671	0.08419
0.010439	0.82199	0.015426	0.73952	-0.00631	0.89186	0.006516	0.88832	0.123582
-0.02207	0.6342	-0.04934	0.28735	-0.0052	0.9108	-0.02118	0.64796	-0.03445
-0.01838	0.69202	0.027372	0.55517	-0.01072	0.81733	-0.02856	0.53812	-0.00187
-0.02287	0.62201	-0.0203	0.66168	-0.01416	0.76016	0.034673	0.45475	-0.03445
-0.00184	0.96841	-0.10055	0.02981	-0.01755	0.70516	0.007098	0.87842	-0.05717

0.051047	0.27094	0.012125	0.79383	0.018148	0.69567	0.006271	0.8925	-0.01006
0.029633	0.52295	-0.01857	0.6889	0.006011	0.89692	-0.05448	0.23998	0.022232
1.72E-05	0.9997	0.333311	1.40E-13	0.203199	9.61E-06	0.432519	1.04E-22	0.142967
-0.0525	0.25752	0.136711	0.00307	-0.0019	0.96739	0.093239	0.04402	0.061172
0.182158	7.52E-05	0.476992	6.61E-28	-0.03226	0.4868	-0.03611	0.43623	-0.08778
0.025671	0.58001	-0.18268	7.17E-05	0.02588	0.57694	0.062324	0.17877	0.106686
-0.15369	0.00086	-0.0725	0.11769	-0.00037	0.99368	-0.04902	0.29046	0.106305
-0.12957	0.00504	0.051921	0.26281	0.033266	0.47328	0.131917	0.0043	0.03472
-0.15407	0.00084	-0.23357	3.31E-07	-0.05271	0.25558	-0.00012	0.9979	-0.15362
0.004844	0.91686	-0.10582	0.02219	0.011243	0.80854	0.021	0.6508	0.060572
-0.061	0.18823	0.26955	3.23E-09	0.092756	0.04513	0.27926	8.19E-10	0.184759
0.061272	0.18623	-0.27324	1.93E-09	0.004216	0.9276	-0.10631	0.02158	-0.0871
-0.06801	0.14226	-0.13004	0.00488	0.005225	0.91034	0.023712	0.60926	-0.04166
-0.04716	0.30916	0.202044	1.08E-05	0.052171	0.26052	0.116131	0.01203	0.074266
-0.03746	0.41924	0.111057	0.01635	-0.01884	0.6847	-0.00143	0.97545	-0.14701
-0.19888	1.49E-05	-0.15368	0.00086	-0.06517	0.1597	-0.0519	0.263	-0.12348
0.133889	0.00375	0.234181	3.08E-07	-0.04394	0.34337	-0.07255	0.11742	0.051058
0.122772	0.00791	0.042011	0.36503	-0.01775	0.70206	-0.06203	0.18086	0.003754
-0.14139	0.00219	-0.15448	0.00081	-0.01645	0.72298	-0.00143	0.97535	0.049966
0.030914	0.50514	0.366196	2.88E-16	-0.02834	0.54125	0.024082	0.60369	0.18822
0.270751	2.74E-09	0.053749	0.24636	0.017928	0.69918	0.094716	0.04076	-0.14818
0.09911	0.03225	0.399088	2.78E-19	0.052773	0.25505	0.112254	0.01522	0.154459
0.284443	3.85E-10	0.067948	0.14261	0.030525	0.51052	0.017398	0.70766	0.028494
-0.1473	0.00141	-0.00074	0.98727	0.048177	0.29884	0.237986	1.95E-07	0.306724
-0.11826	0.01053	-0.4129	1.19E-20	-0.01899	0.68235	-0.10638	0.02149	-0.09875
-0.10847	0.01904	-0.22187	1.28E-06	0.047891	0.30172	0.003872	0.93348	0.050551
0.147006	0.00144	0.076935	0.0968	0.008241	0.85902	-0.06954	0.13345	-0.05069
0.022526	0.62728	-0.0408	0.37904	0.131996	0.00427	0.080459	0.08241	0.332613
0.171738	0.00019	-0.09955	0.03148	-0.00673	0.88465	-0.09474	0.04072	0.021611
0.231697	4.13E-07	0.321002	1.18E-12	0.004271	0.92665	0.114627	0.01319	-0.03504
0.040265	0.38531	-0.05517	0.23408	0.133949	0.00373	0.179028	0.0001	0.341955
0.03461	0.45558	-0.0838	0.07041	0.087454	0.05896	0.10246	0.02682	0.245674
-0.15816	0.0006	-0.48141	1.82E-28	-0.01625	0.72621	-0.1038	0.02488	-0.14374
-0.08359	0.0711	-0.14134	0.0022	0.078566	0.0899	0.192582	2.79E-05	0.061849
-0.13467	0.00355	-0.25059	4.05E-08	0.004919	0.91557	0.035731	0.44111	0.051442
-0.17587	0.00013	-0.33517	1.01E-13	-0.02032	0.6614	-0.02805	0.54534	-0.06759
-0.20641	6.89E-06	-0.40005	2.25E-19	-0.00821	0.85954	-0.0891	0.05434	-0.02576
-0.14404	0.0018	-0.20494	8.03E-06	0.036033	0.43725	0.161028	0.00048	0.191304
-0.12006	0.0094	-0.21417	3.01E-06	0.047425	0.30645	0.170224	0.00022	0.157932
-0.00027	0.99532	-0.36105	7.97E-16	0.080333	0.08289	0.086754	0.06103	0.170657
0.051243	0.2691	0.464283	2.42E-26	0.074862	0.10616	0.222845	1.15E-06	0.324571
0.064473	0.16423	0.397677	3.81E-19	0.019477	0.67463	0.131255	0.0045	0.269773
-0.1861	5.20E-05	-0.25796	1.55E-08	-0.01233	0.79041	0.03283	0.4791	-0.19549
-0.15852	0.00059	-0.16058	0.0005	-0.03334	0.47228	-0.0807	0.08148	-0.07635
0.01854	0.68945	-0.3187	1.75E-12	-0.00583	0.89995	-0.15433	0.00082	-0.09452

0.22987	5.12E-07	-0.08142	0.07878	0.029336	0.52713	0.025161	0.58757	-0.07608
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-0.09557	0.03898	-0.09096	0.04948	-0.00078	0.98661	0.017846	0.70049	-0.02516
-0.07778	0.09316	-0.17528	0.00014	-0.03748	0.41909	-0.03472	0.45413	-0.10629
0.167574	0.00028	0.235519	2.62E-07	-0.05207	0.26141	-0.08691	0.06057	-0.04242
-0.03734	0.42082	0.041883	0.36649	-0.03932	0.39653	-0.01946	0.67493	-0.06039
-0.02889	0.53346	-0.06027	0.19353	0.027751	0.5497	0.008055	0.86217	0.088957
-0.01882	0.68496	-0.08623	0.06262	0.035617	0.44256	-0.01943	0.67535	0.057262
0.080419	0.08256	-0.16285	0.00041	0.051827	0.26368	-0.05212	0.26098	0.028116
0.211998	3.81E-06	0.353835	3.21E-15	0.016686	0.71912	0.086487	0.06183	0.149013
-0.22851	6.01E-07	-0.43141	1.37E-22	-0.00307	0.94719	-0.00953	0.83729	-0.03359
0.352731	3.96E-15	0.317277	2.21E-12	0.030862	0.50586	-0.09629	0.03751	-0.00659
-0.06815	0.1414	-0.139	0.00261	0.074153	0.10952	0.104807	0.02351	0.140408
-0.04032	0.38467	0.003354	0.94237	-0.01436	0.75691	0.024056	0.60409	0.009773
0.058746	0.20508	0.200781	1.23E-05	-0.02649	0.56795	-0.07698	0.09659	-0.02445
0.007741	0.8675	0.163416	0.00039	-0.05007	0.28025	0.01473	0.75088	0.106102
0.084417	0.06836	0.051826	0.26368	0.057704	0.21324	-0.00524	0.91011	0.260041
0.034351	0.45896	0.182479	7.30E-05	-0.0271	0.55912	0.10603	0.02193	0.192413
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0.068572	0.13898	-0.00815	0.8606	-0.02088	0.65266	0.004846	0.91681	-0.04967
0.167736	0.00027	0.072937	0.11547	0.026412	0.56913	-0.02416	0.60245	0.098811
0.054593	0.239	-0.27462	1.59E-09	0.090713	0.0501	0.06192	0.18162	0.042409
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0.316052	2.72E-12	0.472287	2.55E-27	0.070814	0.12648	0.084692	0.06746	0.210419
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-0.12044	0.00918	-0.41307	1.14E-20	0.011423	0.80553	-0.0389	0.40167	-0.09068
-0.12164	0.0085	-0.12372	0.00743	0.053338	0.24999	0.075652	0.10251	0.045783
-0.15154	0.00102	-0.23331	3.42E-07	-0.00281	0.95172	0.155491	0.00075	-0.02914
-0.05951	0.19923	-0.52854	5.80E-35	-0.02068	0.6558	-0.10969	0.01773	-0.11801
0.08583	0.06385	-0.05389	0.24512	0.011863	0.79819	0.015276	0.74197	-0.08775
0.013753	0.76691	-0.06557	0.15718	0.027695	0.55051	0.042456	0.35996	-0.03839
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-0.06035	0.19296	-0.08203	0.07658	-0.02061	0.65684	-0.08937	0.05361	-0.09188
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-0.02774	0.54989	-0.07306	0.11488	0.051334	0.26825	-0.01259	0.78608	-0.02913
-0.01767	0.7033	-0.05567	0.22986	0.033852	0.46551	-0.01897	0.68259	-0.0284
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0.093533	0.04336	-0.02779	0.5492	0.043356	0.34986	-0.00645	0.88943	-0.01852
0.027753	0.54967	-0.05454	0.23949	0.007956	0.86385	-0.05086	0.27274	-0.04657
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0.134282	0.00365	0.078775	0.08905	0.008974	0.84663	-0.06825	0.14083	-0.11337
-0.02933	0.52725	-0.20998	4.72E-06	0.06352	0.17056	0.126224	0.00631	0.202048
-0.07253	0.1175	-0.18002	9.16E-05	0.090007	0.05192	0.039741	0.39153	0.253214
0.02517	0.58743	-0.18454	6.02E-05	0.138475	0.00271	0.038802	0.40282	0.010805

0.035108	0.44912	-0.01513	0.74442	0.044551	0.33673	-0.03524	0.44745	0.038353
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-0.13797	0.00281	-0.22176	1.30E-06	0.227227	6.97E-07	0.293721	9.56E-11	0.159657
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-0.14241	0.00203	-0.27862	8.98E-10	-0.03936	0.39613	-0.04599	0.32138	-0.09043
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0.132569	0.00411	-0.11705	0.01136	0.013012	0.77913	-0.10636	0.02152	-0.10603
0.291925	1.26E-10	0.006127	0.89495	0.026054	0.57438	-0.09083	0.04979	0.201762
0.097488	0.03519	0.038144	0.41086	0.025229	0.58656	0.068824	0.13753	-0.0218
0.123595	0.00749	0.027522	0.553	0.054343	0.24117	-0.01541	0.73976	0.025103
0.249698	4.54E-08	0.295509	7.27E-11	0.076931	0.09681	0.193469	2.56E-05	0.068483
0.029234	0.52856	-0.13356	0.00384	0.001016	0.98252	0.013362	0.77335	-0.11142
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-0.1753	0.00014	-0.17805	0.00011	0.0017	0.97077	0.026543	0.56721	0.016574
0.001904	0.96727	-0.16784	0.00027	0.004795	0.9177	0.022394	0.6293	0.113022
-0.10201	0.02751	-0.09127	0.0487	-0.00428	0.92648	0.062229	0.17944	-0.0734
0.094358	0.04153	-0.00512	0.9121	-0.00657	0.88739	-0.01843	0.69126	0.050853
0.017005	0.71398	0.322592	9.03E-13	0.089923	0.05214	0.342128	2.86E-14	0.254529
0.06168	0.18332	0.282176	5.36E-10	0.055736	0.2293	0.166922	0.00029	0.17926
0.01309	0.77785	0.315311	3.07E-12	0.000339	0.99417	0.044408	0.33828	0.095093
0.013233	0.77548	0.019993	0.66651	0.036812	0.4274	0.305299	1.57E-11	0.033278
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0.270002	3.04E-09	-0.038	0.41257	0.021367	0.64511	-0.0579	0.21168	0.051536
-0.11688	0.01148	-0.06301	0.17402	-0.00264	0.9547	0.005052	0.9133	0.002147
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0.006946	0.881	-0.07714	0.09593	-0.02661	0.56631	-0.11948	0.00976	-0.12867
0.060679	0.19054	0.044095	0.3417	0.036044	0.43711	0.001009	0.98265	-0.02702
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0.10796	0.01962	-0.04581	0.32325	-0.01042	0.82237	0.017591	0.70457	-0.06675
-0.00724	0.87599	-0.10651	0.02132	0.053925	0.24481	0.015528	0.73787	0.032918
0.048547	0.29514	-0.0117	0.80097	0.032404	0.48482	0.071915	0.12067	-0.06588
-0.24755	5.97E-08	-0.43011	1.89E-22	-0.01619	0.72716	-0.04996	0.28133	-0.14841
-0.03661	0.42996	-0.11522	0.01272	-0.02288	0.62195	-0.07365	0.11194	-0.04992
-0.08294	0.07336	-0.22404	1.00E-06	0.002081	0.96422	0.040615	0.38118	-0.03091
-0.079	0.08813	-0.1286	0.00538	0.007577	0.87028	0.078653	0.08955	-0.19035
-0.25795	1.55E-08	-0.49719	1.57E-30	0.05672	0.22116	0.128707	0.00534	0.007616
0.121635	0.00851	-0.3	3.62E-11	0.023988	0.60511	-0.08833	0.05647	-0.01322
-0.02235	0.63001	-0.37461	5.26E-17	0.023082	0.61881	-0.08095	0.08055	-0.01132
-0.02619	0.57233	-0.17319	0.00017	0.05573	0.22935	0.078168	0.09155	0.169821
0.0299	0.51921	0.030605	0.50941	0.011788	0.79944	-0.00727	0.8755	-0.1112
0.024662	0.59501	-0.26818	3.91E-09	-0.06535	0.15853	-0.14407	0.0018	-0.24828
-0.2243	9.74E-07	-0.32892	3.03E-13	0.086077	0.06308	-0.01066	0.81835	0.137755
0.033449	0.47085	0.174793	0.00015	-0.0404	0.38378	-0.0062	0.89373	0.022288
-0.12231	0.00815	-0.12704	0.00597	-0.01533	0.74113	0.012518	0.78731	-0.02979
-0.00393	0.93255	-0.21231	3.68E-06	0.070273	0.12941	0.04586	0.32271	0.135334

0.129634	0.00502	0.227208	6.98E-07	0.062249	0.1793	0.229848	5.14E-07	0.168209
-0.01509	0.74493	-0.01351	0.77088	0.020167	0.66379	0.085581	0.06462	0.143359
0.266728	4.77E-09	0.379315	1.99E-17	-0.01833	0.69281	-0.07623	0.09989	0.098518
-0.02303	0.61955	-0.06963	0.13299	-0.00511	0.91224	0.009071	0.84499	0.028182
-0.10479	0.02353	-0.08138	0.07893	0.073884	0.11081	-0.02121	0.64755	0.417239
0.003603	0.9381	0.096027	0.03804	-0.03484	0.45265	-0.02351	0.61231	-0.11215
0.045929	0.32199	0.238075	1.93E-07	0.043118	0.35251	0.066837	0.14927	0.065397
0.019686	0.67133	-0.00142	0.97552	0.051917	0.26284	-0.02876	0.53526	0.048705
0.052154	0.26068	0.111877	0.01557	0.003977	0.93169	-0.06553	0.15744	0.059695
-0.00769	0.86837	-0.17314	0.00017	0.045859	0.32272	-0.0073	0.87502	0.057609
-0.01143	0.80548	-0.13423	0.00366	0.027293	0.5563	-0.00648	0.88889	0.140987
0.047144	0.30934	-0.13207	0.00425	-0.04933	0.28743	-0.16804	0.00026	-0.17565
0.040063	0.38771	0.425342	6.08E-22	0.123017	0.00778	0.362952	5.48E-16	0.171874
-0.17033	0.00022	-0.37721	3.08E-17	-0.02634	0.57012	-0.01117	0.80982	-0.14922
0.23456	2.94E-07	0.111385	0.01604	-0.03511	0.44907	-0.09129	0.04865	0.016989
-0.14064	0.00232	-0.41977	2.34E-21	-0.01425	0.75874	-0.08021	0.08335	-0.0199
-0.27037	2.88E-09	-0.40829	3.46E-20	0.06786	0.14313	0.007734	0.86761	-0.11902
-0.20544	7.62E-06	-0.45381	4.20E-25	0.020492	0.6587	0.010223	0.82561	0.05843
-0.03364	0.46835	-0.14786	0.00135	0.023918	0.60616	-0.01486	0.74882	-0.0151
0.096607	0.03689	0.024008	0.60481	-0.02708	0.55941	-0.0497	0.28382	0.034765
0.025324	0.58515	0.191347	3.15E-05	0.012336	0.79033	0.045963	0.32162	0.137354
0.078301	0.091	0.256998	1.76E-08	0.05375	0.24634	0.087649	0.0584	0.164949
0.180149	9.05E-05	0.052576	0.25683	0.030093	0.51652	0.003869	0.93354	0.225096
0.088793	0.05518	0.022251	0.6315	-0.02179	0.63852	-0.20451	8.39E-06	0.039045
0.076314	0.09953	0.180233	8.98E-05	-0.04535	0.32807	0.099947	0.03081	-0.15263
-0.04709	0.30991	0.052595	0.25665	-0.0264	0.56936	0.040689	0.38032	0.04391
0.036139	0.43591	0.23583	2.53E-07	0.085863	0.06374	0.315147	3.16E-12	0.182145
-0.08442	0.06833	-0.22546	8.53E-07	0.031609	0.49561	-0.00678	0.88385	-0.04349
0.068988	0.13659	0.040434	0.38332	0.033264	0.4733	0.009318	0.84083	0.204614
-0.17125	0.0002	-0.25855	1.44E-08	0.017116	0.7122	-0.02908	0.53076	-0.00074
0.095964	0.03817	0.342345	2.75E-14	-0.01335	0.77352	-0.00152	0.97388	0.263833
-0.072	0.12026	0.070169	0.12998	0.115704	0.01235	0.348372	9.02E-15	0.212873
0.065516	0.1575	-0.19008	3.56E-05	-0.00998	0.82961	-0.10764	0.01999	-0.07573
0.098417	0.03348	0.142743	0.00199	0.048603	0.29458	-0.00704	0.87936	0.076448
-0.11851	0.01037	-0.43367	7.76E-23	-0.04064	0.38084	-0.12973	0.00499	-0.08776
-0.1273	0.00587	-0.03122	0.50098	-0.00862	0.85256	0.076062	0.10065	0.082014
0.186784	4.88E-05	0.45691	1.82E-25	0.122243	0.00818	0.18153	7.97E-05	0.410749
0.001537	0.97358	-0.07891	0.08852	0.071209	0.12438	-0.03281	0.47938	-0.03202
-0.07114	0.12473	-0.12469	0.00698	0.021563	0.64208	-0.03377	0.46663	-0.03887
0.031955	0.4909	0.203083	9.73E-06	0.154112	0.00083	0.218642	1.84E-06	0.311653
-0.11233	0.01516	-0.39929	2.66E-19	-0.04032	0.38467	-0.09418	0.04192	-0.30176
-0.07286	0.11587	-0.23347	3.35E-07	-0.00214	0.96326	-0.07937	0.08667	-0.12983
-0.19846	1.56E-05	-0.30116	3.02E-11	0.104835	0.02347	0.30126	2.97E-11	0.199942
-0.1337	0.0038	-0.06859	0.13885	-0.00537	0.90785	-0.05823	0.20907	-0.06285
-0.15567	0.00074	-0.35948	1.08E-15	-0.02786	0.54818	-0.07382	0.11114	-0.10356

-0.13352	0.00385	0.19103	3.25E-05	0.118168	0.0106	0.287449	2.46E-10	0.340092
-0.24362	9.76E-08	-0.08797	0.05747	0.037267	0.42171	0.19674	1.85E-05	0.156598
-0.04962	0.28461	-0.25357	2.76E-08	0.075487	0.10326	0.137228	0.00296	0.023368
-0.20231	1.05E-05	-0.34938	7.47E-15	-0.00525	0.90995	0.043211	0.35148	-0.01488
0.107931	0.01965	-0.06798	0.1424	-0.00423	0.92739	-0.10925	0.01819	-0.01463
-0.07333	0.11355	-0.32186	1.02E-12	0.007031	0.87955	0.099774	0.0311	-0.1811
0.078854	0.08873	0.179904	9.26E-05	0.086023	0.06325	0.166063	0.00031	0.151216
-0.20326	9.56E-06	-0.18303	6.94E-05	0.06094	0.18864	0.220799	1.45E-06	0.056689
0.080175	0.0835	-0.02672	0.56463	0.021169	0.64818	-0.03423	0.46056	0.044743
0.041716	0.3684	-0.13495	0.00348	-0.00637	0.89081	-0.06881	0.13759	-0.05214
0.022041	0.63472	-0.20342	9.40E-06	-0.01054	0.82037	0.051769	0.26421	-0.19794
-0.14343	0.00189	-0.13318	0.00394	0.065194	0.15956	0.255979	2.02E-08	0.002908
0.080261	0.08317	-0.07074	0.12687	0.02889	0.53344	-0.08378	0.07048	-0.05255
0.018248	0.69408	0.273769	1.79E-09	-0.00292	0.94985	0.10087	0.02929	-0.084
-0.06534	0.15861	-0.17392	0.00016	-0.02738	0.55504	-0.09759	0.035	-0.08321
-0.09037	0.05097	-0.15709	0.00066	0.012505	0.78753	0.010201	0.82598	-0.07986
-0.12207	0.00827	-0.41052	2.06E-20	-0.03602	0.43739	-0.0811	0.08	-0.11895
-0.01608	0.72898	-0.14259	0.00201	-0.01063	0.81872	-0.04102	0.37649	-0.1082
-0.01885	0.68455	-0.12753	0.00578	0.039779	0.39107	-0.03016	0.51553	0.011768
-0.03343	0.47115	-0.2583	1.48E-08	-0.02038	0.66043	-0.07826	0.09115	0.000898
0.191543	3.09E-05	0.244611	8.63E-08	-0.00428	0.92651	-0.06521	0.15946	-0.00166
0.041063	0.37596	0.333069	1.46E-13	0.053519	0.24838	0.062356	0.17855	0.298234
0.208547	5.50E-06	0.093478	0.04348	-0.00545	0.90656	-0.02079	0.65407	0.057185
-0.15994	0.00052	0.097317	0.03552	-0.02787	0.54798	0.027573	0.55226	-0.09283
0.163724	0.00038	0.101578	0.02817	0.00697	0.88059	-0.0699	0.13145	0.19785
-0.09916	0.03217	-0.22708	7.09E-07	-0.0128	0.78264	-0.00708	0.87872	-0.12724
-0.04108	0.37575	-0.1134	0.01421	-0.04229	0.36181	-0.1024	0.02692	-0.09069
-0.09504	0.04006	-0.30841	9.50E-12	-0.04048	0.38279	-0.07816	0.09159	-0.21204
-0.01028	0.82458	-0.13035	0.00478	0.027226	0.55728	-0.01398	0.7631	-0.02902
0.025077	0.58882	0.327185	4.10E-13	0.126239	0.0063	0.238815	1.76E-07	0.380219
0.186351	5.08E-05	0.11766	0.01094	-0.01372	0.76744	0.034525	0.45669	0.040938
0.012281	0.79124	-0.43374	7.62E-23	-0.01412	0.76096	-0.10234	0.02701	-0.13608
-0.14277	0.00198	0.01384	0.76547	0.078527	0.09006	0.071918	0.12066	0.215762
-0.09005	0.05181	0.038939	0.40116	0.013121	0.77734	0.068985	0.13661	-0.02729
0.144805	0.0017	0.217572	2.07E-06	0.007065	0.87897	0.067332	0.14628	-0.0427
0.169111	0.00024	0.14403	0.00181	0.00769	0.86837	0.018965	0.6827	0.02684
-0.01426	0.75853	0.062439	0.17797	0.033946	0.46428	0.048391	0.2967	0.04558
-0.01058	0.8196	0.019448	0.67508	-0.01146	0.80492	-0.00994	0.83032	-0.01065
0.039908	0.38954	0.047587	0.3048	0.065124	0.16	0.051015	0.27125	0.02982
0.065805	0.15567	0.389814	2.14E-18	0.014067	0.76175	0.181395	8.07E-05	0.157865
-0.09671	0.03669	-0.18263	7.20E-05	0.011354	0.80668	-0.03296	0.4774	-0.06405
0.190997	3.26E-05	0.117972	0.01073	0.092333	0.04612	0.074028	0.11012	0.033292
-0.0851	0.06615	-0.40257	1.27E-19	-0.11843	0.01042	-0.27767	1.03E-09	-0.28927
-0.09447	0.04129	-0.11025	0.01715	0.021708	0.63984	0.097227	0.03569	-0.00038
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-0.16066	0.00049	-0.13531	0.00339	0.04399	0.34285	0.202878	9.94E-06	0.056349
0.028815	0.53449	-0.00095	0.98375	0.001119	0.98076	0.002861	0.95084	0.019816
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-0.01813	0.69603	-0.14072	0.0023	-0.04637	0.31735	-0.08862	0.05567	0.02432
-0.15928	0.00055	-0.22156	1.33E-06	0.041571	0.37008	0.017506	0.70594	0.268376
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0.013549	0.77027	-0.30583	1.44E-11	-0.08283	0.07373	-0.13731	0.00294	-0.27829
0.014637	0.7524	0.086324	0.06233	-0.00603	0.89668	0.041878	0.36655	0.018452
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0.060517	0.19173	0.014861	0.74874	0.019597	0.67274	-0.13111	0.00454	-0.02764
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0.069405	0.13423	0.105704	0.02234	0.008839	0.84891	-0.05269	0.25583	0.029155
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-0.14992	0.00116	-0.36323	5.19E-16	-0.05405	0.2437	-0.0687	0.13821	-0.20247
-0.12261	0.00799	-0.30401	1.93E-11	-0.00363	0.93765	-0.06351	0.17064	-0.10927
-0.04525	0.32918	-0.1243	0.00716	-0.04964	0.28442	0.011074	0.81135	-0.02635
0.266372	5.01E-09	0.077384	0.09486	-0.03855	0.40593	-0.07568	0.10239	0.061061
0.108595	0.0189	0.24466	8.58E-08	0.003767	0.9353	0.091345	0.04852	0.074332
-0.00607	0.89592	-0.12844	0.00544	0.084381	0.06848	0.033042	0.47626	0.140491
-0.00643	0.88975	-0.1044	0.02406	0.009214	0.84258	-0.05994	0.19599	0.111019
0.025469	0.583	-0.15876	0.00057	0.02191	0.63674	-0.07455	0.10762	0.074151
0.143002	0.00195	0.28078	6.57E-10	0.085401	0.06519	0.048409	0.29651	0.232067
-0.03256	0.48269	-0.10604	0.02191	0.01712	0.71213	0.05406	0.24363	0.082862
0.015526	0.7379	-0.08732	0.05936	-0.02606	0.57431	-0.03384	0.46568	-0.0457
0.207823	5.94E-06	0.415384	6.62E-21	0.022926	0.62119	0.132713	0.00407	0.131239
0.091001	0.04937	0.134739	0.00353	0.050178	0.27919	0.00505	0.91333	0.072868
-0.09831	0.03368	-0.25183	3.46E-08	0.114559	0.01324	0.181778	7.79E-05	0.170409
-0.05152	0.26654	-0.03837	0.40812	0.01069	0.81779	0.117749	0.01088	-0.03544
0.140295	0.00238	0.064975	0.16097	0.004601	0.92102	-0.17647	0.00013	0.044929
0.038995	0.40049	0.039454	0.39497	-0.00873	0.85079	-0.03423	0.46048	-0.06836
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0.036919	0.42605	0.026766	0.56395	0.011288	0.80778	0.005333	0.90849	-0.08928
0.154324	0.00082	0.164475	0.00036	0.190995	3.26E-05	0.158745	0.00057	0.405115
0.197222	1.76E-05	0.209386	5.03E-06	-0.00523	0.91027	-0.00446	0.92348	0.035373
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-0.05979	0.19714	-0.37336	6.79E-17	0.031576	0.49606	-0.00065	0.98886	-0.07168
-0.08087	0.08085	-0.20855	5.50E-06	-0.01032	0.82401	-0.00435	0.92538	-0.05454
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-0.06509	0.16025	-0.34556	1.52E-14	-0.02213	0.63338	-0.03923	0.39761	-0.20246
-0.18564	5.44E-05	-0.3783	2.45E-17	0.016395	0.72381	-0.00023	0.99598	-0.06475
0.266301	5.06E-09	0.39995	2.30E-19	0.06502	0.16067	0.057643	0.21373	0.230998
0.000514	0.99117	-0.03654	0.43083	-0.04271	0.35705	-0.12007	0.0094	-0.02726
0.045808	0.32326	-0.14215	0.00208	-0.09438	0.04147	-0.05854	0.20671	-0.31182
-0.18086	8.48E-05	-0.08886	0.055	0.146598	0.00149	0.317474	2.14E-12	0.203868



0.129725	0.00499	-0.05036	0.2775	0.01376	0.7668	-0.09283	0.04497	-0.08406
0.098603	0.03315	-0.40652	5.19E-20	-0.00852	0.85427	-0.17377	0.00016	-0.14736
0.006782	0.88379	-0.04879	0.29277	0.005633	0.90337	-0.04434	0.33899	0.116569
-0.02028	0.66205	-0.00751	0.8714	-0.01998	0.66672	-0.03797	0.41298	-0.04167
0.013244	0.7753	0.006614	0.88665	0.019342	0.67676	0.055205	0.23377	0.123801
0.078812	0.0889	0.086181	0.06276	0.010372	0.82311	-0.01492	0.74772	-0.00831
-0.17052	0.00021	-0.47871	4.01E-28	-0.03894	0.40114	-0.1639	0.00038	-0.15578
-0.00552	0.90523	-0.07796	0.0924	0.017896	0.69969	0.049605	0.28473	-0.05634
0.142176	0.00207	0.09214	0.04658	-0.01415	0.76038	-0.06579	0.15578	0.029971
0.028946	0.53264	0.374615	5.25E-17	0.087489	0.05886	0.397575	3.90E-19	0.179956
0.004803	0.91755	-0.03161	0.49555	0.048719	0.29343	-0.02112	0.64901	0.280983
0.076496	0.09872	0.001572	0.97297	0.015171	0.74368	-0.07002	0.13079	0.053685
-0.10594	0.02204	-0.11916	0.00996	0.123617	0.00748	0.332937	1.50E-13	0.16572
-0.0005	0.99148	0.001789	0.96925	-0.05994	0.19604	0.021501	0.64304	-0.00981
0.076614	0.0982	-0.23746	2.08E-07	-0.03773	0.4159	-0.1182	0.01058	-0.05304
-0.01563	0.7362	-0.15272	0.00093	-0.03003	0.51737	-0.11958	0.00969	-0.01829
0.029033	0.53141	-0.16113	0.00047	-0.07163	0.12214	-0.12945	0.00508	-0.04582
0.09541	0.0393	0.400036	2.25E-19	0.020608	0.6569	0.03298	0.47709	0.036656
0.08452	0.06802	-0.10486	0.02344	0.058132	0.20987	0.012254	0.79169	0.02259
0.074468	0.10801	-0.05437	0.24094	-0.02671	0.5648	-0.12894	0.00526	-0.04707
-0.03977	0.39121	0.036787	0.42771	0.057164	0.21757	0.121407	0.00863	0.078243
0.138517	0.0027	-0.10474	0.02359	0.023211	0.61686	-0.0045	0.92267	-0.05676
0.08869	0.05546	0.07404	0.11006	0.046257	0.31853	0.009283	0.84142	-0.03192
0.142227	0.00206	0.138245	0.00275	0.027401	0.55475	0.023984	0.60517	0.044741
-0.07173	0.12166	-0.10411	0.02445	0.082801	0.07384	0.29908	4.18E-11	-0.10408
0.009299	0.84115	0.074832	0.1063	0.049692	0.28388	0.068464	0.1396	0.096603
0.068132	0.14153	0.136769	0.00306	0.002858	0.95089	0.057417	0.21554	0.033619
-0.10073	0.02952	-0.31113	6.12E-12	-0.03048	0.51114	-0.11221	0.01526	-0.14873
-0.00598	0.8974	-0.13109	0.00455	0.042458	0.35994	-0.04034	0.38447	-0.01554
0.037367	0.42045	0.073744	0.11149	-0.10353	0.02526	-0.11515	0.01277	-0.19105
-0.05246	0.25787	-0.10282	0.02629	-0.00227	0.96101	0.005704	0.90216	-0.04801
-0.04872	0.29344	-0.09442	0.04139	0.098859	0.03269	0.255501	2.15E-08	-0.05378
-0.1253	0.0067	-0.15692	0.00067	0.004013	0.93107	0.020891	0.65249	0.196442
0.075256	0.10433	0.00151	0.97404	0.004544	0.92199	-0.02993	0.51877	0.103707
-0.05529	0.23302	0.09074	0.05003	0.083117	0.07274	0.130072	0.00487	0.230221
0.014674	0.75179	-0.06836	0.14018	0.035694	0.44158	-0.05242	0.25821	0.150049
-0.22614	7.90E-07	-0.34878	8.36E-15	-0.00325	0.94414	0.03202	0.49002	0.017553
0.101813	0.02781	0.074854	0.10619	-0.02564	0.58041	-0.03478	0.45333	0.067223
-0.03297	0.47723	-0.40749	4.16E-20	-0.01562	0.73637	-0.04769	0.30374	-0.07798
0.070247	0.12956	0.090756	0.04999	0.004147	0.92878	-0.01026	0.82506	0.040285
0.190541	3.40E-05	-0.0634	0.1714	0.002443	0.95801	0.054156	0.24279	-0.01187
-0.10381	0.02488	-0.25875	1.40E-08	-0.05296	0.25335	-0.12658	0.00616	-0.2277
-0.18201	7.63E-05	-0.12523	0.00674	0.085898	0.06363	0.101425	0.02841	0.206967
-0.05101	0.2713	-0.35526	2.45E-15	-0.03752	0.41856	-0.07345	0.11292	-0.17777
0.25679	1.81E-08	0.102571	0.02666	0.002258	0.96118	-0.07226	0.1189	-0.03119

-0.23903	1.72E-07	-0.50428	1.72E-31	-0.01715	0.7116	-0.09332	0.04384	-0.30589
-0.1628	0.00041	-0.13318	0.00394	-0.04204	0.3647	0.026484	0.56808	-0.04212
0.15919	0.00055	0.09869	0.03299	-0.01759	0.70454	0.030707	0.508	-0.07452
0.141109	0.00224	0.134937	0.00348	-0.04191	0.36616	-0.17756	0.00011	0.026238
-0.01834	0.69265	-0.14413	0.00179	-0.0249	0.59143	-0.12146	0.0086	-0.07485
-0.02598	0.57549	0.013164	0.77662	-0.00843	0.85574	-0.05639	0.22387	-0.06612
-0.02683	0.56299	0.173638	0.00016	0.13393	0.00374	0.160821	0.00049	0.200783
0.177931	0.00011	0.26755	4.26E-09	0.002222	0.96181	0.022457	0.62835	-0.06732
-0.04752	0.30548	-0.35999	9.80E-16	0.030591	0.5096	-0.03524	0.44745	-0.10764
-0.00447	0.92323	-0.0422	0.36289	0.058995	0.20317	0.150555	0.0011	0.021092
0.128463	0.00543	0.167643	0.00027	0.008977	0.84658	0.010537	0.82034	0.073603
-0.07383	0.11106	0.065935	0.15486	0.009987	0.82958	0.005049	0.91335	-0.00995
0.122172	0.00822	-0.28948	1.82E-10	0.033214	0.47396	-0.03438	0.45864	-0.06741
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-0.08678	0.06095	0.13318	0.00394	0.20372	9.11E-06	0.387499	3.52E-18	0.38475
0.122561	0.00801	0.244688	8.55E-08	0.099122	0.03223	0.136178	0.00319	0.000186
-0.01547	0.73877	-0.12753	0.00578	0.005033	0.91362	0.014341	0.75725	0.065188
0.094341	0.04157	0.145245	0.00165	-0.0226	0.62617	-0.03341	0.47139	-0.06233
0.064001	0.16735	-0.02025	0.6625	0.014547	0.75387	0.02675	0.5642	0.000556
0.060404	0.19256	-0.30564	1.48E-11	-0.00292	0.94974	-0.06796	0.14255	-0.08035
-0.11049	0.01691	-0.18857	4.11E-05	0.046203	0.3191	0.014688	0.75156	0.162814
-0.12616	0.00633	-0.29477	8.15E-11	-0.02941	0.52613	-0.04537	0.32788	-0.05267
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-0.05708	0.21823	-0.14503	0.00168	-0.01292	0.78071	-0.07439	0.1084	-0.05719
-0.0196	0.67269	-0.11998	0.00945	0.069939	0.13125	0.130188	0.00483	0.244099
-0.18488	5.84E-05	-0.09263	0.04543	0.022786	0.62332	0.03301	0.47668	-0.02626
-0.08757	0.05863	-0.12745	0.00582	0.008934	0.84731	-0.05819	0.20944	-0.06351
-0.11513	0.01279	0.057515	0.21475	0.093641	0.04311	0.299798	3.74E-11	0.435009
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-0.06966	0.13279	-0.11984	0.00954	0.024264	0.60095	0.029853	0.51987	-0.00445
0.014762	0.75036	-0.0395	0.39444	0.108316	0.01921	0.183856	6.42E-05	0.410243
-0.16102	0.00048	-0.16756	0.00028	0.057469	0.21512	0.155625	0.00074	0.027837
-0.05529	0.23303	-0.10213	0.02732	-0.03579	0.44029	-0.01871	0.6867	0.148331
0.146968	0.00145	0.213309	3.30E-06	0.027688	0.55061	0.063725	0.16919	0.195919
0.254541	2.43E-08	0.029339	0.52709	-0.03017	0.51545	-0.14702	0.00144	-0.14312
-0.08511	0.06611	-0.28114	6.23E-10	-0.00367	0.937	0.031735	0.4939	-0.20202
-0.21561	2.57E-06	-0.26857	3.70E-09	-0.02232	0.6305	-0.09316	0.04421	-0.13469
-0.00109	0.98125	0.121353	0.00866	0.095176	0.03979	0.135595	0.00333	0.243965
0.141063	0.00225	0.346197	1.35E-14	0.011229	0.80877	0.047075	0.31004	0.123134
0.182894	7.03E-05	0.141757	0.00214	0.165046	0.00034	0.22353	1.06E-06	0.166385
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-0.08018	0.08349	-0.03368	0.46774	0.073435	0.11301	0.154839	0.00079	0.066319
0.249406	4.71E-08	0.456172	2.22E-25	0.004286	0.9264	0.014142	0.76051	0.15798
-0.04808	0.29985	0.005677	0.90261	-0.03436	0.45884	0.006872	0.88225	-0.07176

0.070663	0.1273	-0.31802	1.96E-12	-0.01526	0.74217	-0.08186	0.07719	-0.12597
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0.149498	0.00119	0.336903	7.39E-14	0.033754	0.4668	-0.048	0.30063	0.239579
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-0.0949	0.04037	-0.17849	0.00011	-0.0566	0.22216	-0.15009	0.00114	-0.17741
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0.084054	0.06956	-0.102	0.02752	0.006997	0.88013	0.014671	0.75184	0.111344
-0.0514	0.26764	-0.14603	0.00156	-0.0116	0.8025	-0.04861	0.2945	-0.10188
0.03097	0.50436	-0.1392	0.00257	-0.01125	0.80846	-0.05312	0.2519	-0.05843
-0.02976	0.52115	-0.17838	0.00011	-0.03083	0.50635	-0.07864	0.08962	-0.08929
0.173523	0.00016	0.020506	0.65849	0.047088	0.30991	-0.03259	0.48237	-0.00659
0.021369	0.64509	-0.02346	0.61307	-0.01937	0.67633	-0.05891	0.20382	0.040416
0.003176	0.94543	0.004558	0.92174	-0.00917	0.84326	-0.06867	0.13843	-0.0401
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0.027032	0.56009	-0.12064	0.00906	-0.01533	0.74114	-0.08797	0.05747	-0.08435
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0.023688	0.60963	-0.07877	0.08907	-0.04615	0.31961	-0.12296	0.00781	-0.01199
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0.225189	8.80E-07	0.14722	0.00142	0.069755	0.13227	-0.06785	0.14316	0.205099
0.196498	1.90E-05	0.149817	0.00117	0.010062	0.82832	-0.06189	0.18185	-0.01636
0.02782	0.54871	-0.1459	0.00157	0.03477	0.45349	-0.0253	0.58548	-0.06129
0.148817	0.00126	0.378737	2.24E-17	-0.04033	0.38458	-0.00832	0.85771	0.006628
-0.25703	1.76E-08	-0.39842	3.23E-19	0.028727	0.53575	0.062477	0.17771	0.055447
-0.08029	0.08305	-0.17058	0.00021	-0.04638	0.31723	-0.01378	0.76654	0.00814
0.148857	0.00125	0.195221	2.15E-05	0.005298	0.90909	-0.0378	0.41514	0.060453
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0.018914	0.68352	-0.03337	0.4719	0.054834	0.23693	0.003581	0.93849	0.031616
0.208149	5.74E-06	-0.03279	0.4796	-0.04227	0.36203	-0.07982	0.08487	-0.23422
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0.191091	3.23E-05	0.13885	0.00264	0.035407	0.44525	0.065081	0.16028	-0.06011
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-0.04995	0.28139	0.068463	0.13961	0.012337	0.79032	0.022174	0.63268	0.087651
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0.019698	0.67114	0.035849	0.43959	0.052327	0.25909	0.05148	0.2669	0.171302
0.135479	0.00335	0.051109	0.27036	-0.03413	0.46192	-0.05322	0.251	-0.01843
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0.004514	0.92249	0.001883	0.96762	-0.05522	0.23365	-0.05838	0.20789	-0.11917
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-0.03051	0.51066	-0.26368	7.23E-09	0.284234	3.97E-10	0.380352	1.60E-17	0.07334
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0.026465	0.56835	0.108287	0.01925	0.13539	0.00337	0.343402	2.27E-14	0.443586
-0.04371	0.34599	-0.1081	0.01946	-0.01098	0.8129	-0.02657	0.56688	-0.05138
-0.07886	0.0887	-0.20873	5.40E-06	-0.00712	0.87799	-0.0229	0.62152	-0.05839
0.098562	0.03322	0.10505	0.02319	0.060294	0.19338	0.029777	0.52093	0.019157
0.015774	0.73387	0.033197	0.4742	0.002967	0.94902	0.02916	0.52961	-0.02425
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0.177929	0.00011	-0.06062	0.19095	0.062105	0.18031	0.072167	0.11938	0.083015
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0.00491	0.91572	-0.00964	0.83546	0.015568	0.73721	0.014866	0.74866	-0.02232
0.216189	2.41E-06	0.072207	0.11917	0.002299	0.96048	-0.14663	0.00149	-0.0115
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-0.03896	0.40086	-0.10161	0.02813	0.025324	0.58514	0.04658	0.31517	0.02564
-0.21413	3.02E-06	-0.26306	7.86E-09	0.04198	0.36538	0.098936	0.03255	0.205233
-0.12936	0.00511	-0.06137	0.18553	-0.02343	0.61347	0.059253	0.20119	-0.17752
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0.169249	0.00024	-0.02295	0.62087	-0.00038	0.99352	-0.0283	0.54184	-0.04438
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0.231501	4.23E-07	0.032952	0.47747	-0.02426	0.60105	-0.09699	0.03615	-0.05162
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0.034236	0.46046	0.090602	0.05038	-0.00526	0.90976	-0.00109	0.98132	-0.05832
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0.198965	1.48E-05	0.485983	4.72E-29	0.05398	0.24433	0.299764	3.76E-11	0.000866
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0.03921	0.39789	0.077798	0.0931	0.015835	0.73288	-0.04425	0.33998	-0.03783
0.142899	0.00196	0.457907	1.39E-25	0.051784	0.26407	0.176649	0.00012	0.04348
-0.1711	0.0002	-0.29768	5.20E-11	-0.02304	0.6194	-0.0739	0.11075	-0.14345
-0.16722	0.00028	-0.06812	0.14161	-0.03845	0.40715	-0.05511	0.23456	-0.1644
-0.09018	0.05148	-0.42013	2.14E-21	0.004542	0.92202	-0.06453	0.16388	-0.08835
-0.04039	0.38379	-0.04208	0.36419	0.04567	0.32472	0.070746	0.12685	0.107128
-0.04687	0.31216	0.205046	7.94E-06	0.069906	0.13143	0.188975	3.96E-05	0.310389
-0.22659	7.50E-07	-0.19651	1.89E-05	-0.00446	0.92342	0.012575	0.78636	0.01457
0.189594	3.73E-05	0.291156	1.41E-10	0.016825	0.71687	0.054356	0.24105	0.025323
-0.08883	0.05508	0.058188	0.20943	0.009492	0.83791	0.029655	0.52265	-0.00182
-0.13618	0.00319	-0.04822	0.29839	-0.03172	0.49405	0.069315	0.13474	-0.01088
-0.12063	0.00907	-0.13083	0.00463	0.017989	0.69821	0.053889	0.24512	-0.02968
-0.00899	0.84638	-0.14978	0.00117	0.044933	0.33259	0.042181	0.36309	0.179503
-0.12784	0.00567	-0.22642	7.65E-07	0.074423	0.10823	0.151114	0.00105	0.237611
0.020542	0.65793	-0.18264	7.20E-05	0.021739	0.63938	-0.02982	0.52027	-0.01649
-0.11087	0.01654	0.105936	0.02204	0.066036	0.15422	0.143422	0.00189	0.217654
-0.11871	0.01024	-0.38078	1.46E-17	-0.01082	0.81566	0.029269	0.52807	-0.08695

0.044551	0.33672	-0.05469	0.23815	-0.01882	0.68497	-0.07868	0.08943	-0.04708
-0.06583	0.15551	-0.2217	1.31E-06	0.013459	0.77176	-0.02645	0.56852	-0.02744
-0.0851	0.06616	-0.2782	9.54E-10	0.018242	0.69418	0.000209	0.99641	0.06921
-0.16525	0.00034	-0.36299	5.44E-16	0.032015	0.49009	0.030337	0.51313	0.049637
-0.09295	0.04467	-0.18921	3.87E-05	0.041377	0.37231	0.023066	0.61906	0.040208
-0.02449	0.59762	-0.07518	0.10468	-0.00049	0.99154	-0.01273	0.78387	0.028803
-0.00233	0.95987	0.18016	9.04E-05	0.057154	0.21765	0.160934	0.00048	0.257771
-0.03801	0.41247	-0.1351	0.00344	0.027625	0.55152	0.020657	0.65614	0.041752
-0.0032	0.94502	-0.15338	0.00088	0.002684	0.95388	-0.0246	0.59599	0.008977
-0.04877	0.29297	-0.11083	0.01657	-0.01486	0.74882	-0.02609	0.57383	-0.03991
-0.07639	0.09919	-0.04678	0.31309	-0.01819	0.69495	-0.0011	0.98116	-0.04822
-0.10169	0.02799	-0.24924	4.81E-08	-0.01695	0.71482	-0.04373	0.34572	-0.05622
0.174438	0.00015	0.348663	8.54E-15	0.016791	0.71742	0.108825	0.01865	0.020847
-0.26055	1.10E-08	-0.3478	1.00E-14	0.031884	0.49186	0.008082	0.86172	-0.04391
0.046956	0.31126	-0.0081	0.86133	0.005936	0.89821	-0.10708	0.02064	-0.07183
0.043108	0.35262	0.063424	0.17122	0.046447	0.31655	0.134935	0.00348	0.103088
-0.13431	0.00364	-0.497	1.67E-30	-0.03629	0.43399	-0.1106	0.0168	-0.11795
-0.0746	0.1074	-0.16995	0.00022	0.059492	0.19938	-0.05109	0.27055	0.089179
-0.20659	6.76E-06	-0.25094	3.87E-08	0.005598	0.90397	0.085147	0.066	-0.13503
0.080586	0.08192	0.25748	1.65E-08	0.164149	0.00037	0.232017	3.98E-07	0.367164
0.19613	1.97E-05	0.373427	6.70E-17	0.069163	0.13559	0.103818	0.02486	0.104763
-0.02266	0.62523	-0.32491	6.08E-13	0.058379	0.20793	-0.00835	0.85713	0.230331
0.006114	0.89517	-0.21849	1.87E-06	0.019443	0.67515	0.007131	0.87785	-0.0231
0.004144	0.92883	0.032336	0.48574	-0.03314	0.47495	-0.081	0.08035	-0.00732
0.067564	0.14489	-0.14162	0.00216	0.037653	0.41691	-0.03442	0.45806	-0.00948
-0.05138	0.26779	0.082981	0.07321	0.022638	0.62557	0.041528	0.37057	0.039975
-0.14841	0.0013	-0.30367	2.03E-11	-0.05263	0.25632	-0.08941	0.05351	-0.10646
-0.10951	0.01792	-0.01994	0.66736	-0.06093	0.1887	-0.06307	0.17364	-0.07632
-0.12719	0.00591	-0.28841	2.13E-10	0.032805	0.47943	0.164134	0.00037	0.188079
-0.16914	0.00024	-0.3152	3.13E-12	-0.02716	0.55817	-0.10588	0.02211	-0.00336
0.227289	6.92E-07	0.097892	0.03444	0.022834	0.62259	0.0124	0.78928	0.200952
0.001879	0.96769	0.073795	0.11125	-0.02869	0.53628	0.041719	0.36838	-0.11773
-0.12548	0.00663	-0.08004	0.08404	0.126582	0.00616	0.262295	8.71E-09	0.050886
0.095196	0.03975	0.094114	0.04206	0.022868	0.62206	-0.04287	0.35527	0.125125
-0.12787	0.00565	-0.18316	6.86E-05	-0.00098	0.9832	0.073975	0.11037	-0.00767
0.032066	0.48939	-0.08957	0.05306	-0.04827	0.29792	-0.15999	0.00052	-0.01141
0.218981	1.77E-06	0.274389	1.64E-09	0.038621	0.40503	-0.03614	0.43583	0.087468
-0.05943	0.19982	-0.19324	2.62E-05	-0.02523	0.58655	0.063518	0.17058	-0.10595
-0.04959	0.28491	-0.21576	2.53E-06	0.032074	0.48929	-0.01009	0.82788	0.111649
0.056785	0.22064	-0.03325	0.47346	0.239517	1.62E-07	0.262376	8.62E-09	0.285747
-0.07818	0.09149	-0.20258	1.02E-05	-0.00384	0.934	-0.06041	0.19249	-0.061
-0.05257	0.25686	-0.0719	0.12077	0.111746	0.01569	0.212732	3.52E-06	-0.00054
-0.10313	0.02584	-0.28776	2.35E-10	-0.01585	0.73259	-0.03619	0.43521	-0.07719
-0.09286	0.0449	-0.40819	3.54E-20	-0.00456	0.92166	-0.02512	0.58825	-0.0541
0.002366	0.95934	-0.05578	0.22892	0.032756	0.48009	-0.04034	0.38437	-0.11501

0.157332	0.00064	-0.14	0.00243	-0.019	0.68218	-0.07564	0.10254	-0.14649
0.015551	0.73749	0.083825	0.07033	-0.00523	0.9103	0.146262	0.00153	-0.18342
0.02718	0.55794	0.03468	0.45467	0.059873	0.19651	-0.02495	0.59075	0.255121
0.160707	0.00049	0.237295	2.12E-07	-0.00577	0.90106	-0.03059	0.50963	-0.0327
0.224225	9.83E-07	0.251518	3.60E-08	0.018792	0.68545	-0.06056	0.19143	-0.0216
-0.13102	0.00457	-0.27093	2.67E-09	-0.009	0.84624	-0.06038	0.19272	0.053979
0.229222	5.53E-07	0.006507	0.88847	0.02219	0.63243	-0.03902	0.40014	0.005869
-0.0638	0.16868	-0.34301	2.44E-14	-0.00169	0.97089	-0.02666	0.56548	-0.12597
-0.08046	0.08241	-0.15873	0.00058	0.140948	0.00227	0.425556	5.77E-22	0.033014
-0.25011	4.31E-08	-0.44898	1.52E-24	0.025307	0.5854	-0.00842	0.85596	-0.02144
0.242054	1.19E-07	0.414569	8.02E-21	0.030851	0.50601	0.087668	0.05835	0.003502
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0.068413	0.1399	-0.22584	8.17E-07	0.005266	0.90963	-0.08751	0.0588	-0.01956
0.051463	0.26705	0.305901	1.42E-11	0.059138	0.20207	0.025659	0.58019	0.330637
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-0.08636	0.06221	-0.12607	0.00637	-0.02504	0.58933	0.065629	0.15678	0.015565
0.132093	0.00424	0.147093	0.00143	-0.04731	0.30767	-0.18424	6.20E-05	-0.10442
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0.016403	0.72368	0.143712	0.00185	-0.00129	0.97786	0.126907	0.00603	0.07269
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0.069467	0.13388	0.414645	7.88E-21	0.049237	0.28833	0.06129	0.18611	0.001996
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-0.11233	0.01515	-0.23166	4.15E-07	-0.03129	0.49997	-0.03889	0.40176	0.097595
0.040537	0.38211	0.069509	0.13364	-0.00449	0.92299	-0.01737	0.70804	-0.03423
-0.0649	0.16147	-0.22139	1.35E-06	0.001071	0.98158	-0.06971	0.1325	-0.03054
-0.09081	0.04984	-0.15834	0.00059	0.000244	0.9958	-0.02142	0.64424	-0.04502
-0.00865	0.85212	-0.11096	0.01645	0.04732	0.30753	-0.02033	0.66129	0.047276
0.068224	0.141	-0.03189	0.4918	0.036957	0.42558	0.003987	0.93152	-0.02833
0.01436	0.75694	-0.12209	0.00826	-0.05692	0.21955	-0.12902	0.00523	0.007068
0.000235	0.99597	0.007674	0.86863	-0.02302	0.61972	-0.0368	0.42749	0.008174
0.285561	3.26E-10	0.127502	0.00579	0.006654	0.88597	-0.08407	0.06952	0.089938
-0.19904	1.47E-05	-0.32619	4.88E-13	-0.03728	0.42155	1.01E-05	0.99983	-0.07494
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0.262724	8.22E-09	0.452539	5.90E-25	0.057177	0.21746	0.074981	0.1056	0.120635
-0.11372	0.01394	-0.21992	1.60E-06	0.088327	0.05647	0.344778	1.76E-14	-0.10301
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0.02742	0.55447	0.064183	0.16614	0.146941	0.00145	0.426394	4.70E-22	0.049625
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0.078645	0.08958	0.350168	6.44E-15	0.0327	0.48084	0.089609	0.05297	0.08637
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0.064898	0.16146	-0.10833	0.0192	0.031501	0.49708	-0.06741	0.14581	-0.15609
-0.11004	0.01737	-0.17222	0.00018	-0.00954	0.83708	-0.04486	0.33337	-0.0293
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0.008697	0.85132	-0.09691	0.0363	-0.00823	0.85925	0.019905	0.66789	0.064288

0.096426	0.03725	0.412626	1.26E-20	0.037154	0.42312	0.250113	4.31E-08	-0.01896
-0.02431	0.60028	-0.08567	0.06434	-0.0534	0.24945	-0.06316	0.17302	-0.12521
0.095155	0.03983	0.389389	2.34E-18	0.017713	0.70262	0.091521	0.04808	0.03914
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0.080846	0.08094	0.162162	0.00043	0.036244	0.43457	0.006128	0.89493	0.174728
0.018513	0.68987	-0.01002	0.82908	-0.00751	0.87139	0.010526	0.82053	0.064423
-0.20164	1.13E-05	-0.34776	1.01E-14	0.012619	0.78564	-0.07757	0.09407	0.096734
0.016464	0.7227	-0.14407	0.0018	0.036691	0.42892	0.00317	0.94552	0.024038
-0.18664	4.94E-05	-0.19846	1.56E-05	0.056776	0.22071	0.268886	3.54E-09	0.336675
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0.043938	0.34343	-0.15421	0.00083	-0.01894	0.68312	-0.06913	0.13575	0.0147
0.075073	0.10517	0.103656	0.02509	0.086248	0.06256	0.017919	0.69933	0.185482
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0.286311	2.92E-10	0.193409	2.57E-05	-0.01473	0.75093	-0.06308	0.17356	0.104755
0.021317	0.64589	0.046619	0.31475	0.014989	0.74665	-0.01948	0.67455	-0.04433
0.09541	0.0393	0.065178	0.15966	-0.03085	0.50604	-0.06379	0.16874	0.041004
0.114671	0.01315	-0.01435	0.75706	-0.02532	0.58523	-0.0565	0.22298	-0.06705
0.082857	0.07364	-0.0113	0.80758	0.011061	0.81157	0.105582	0.02249	0.167325
0.090583	0.05043	0.279723	7.66E-10	0.039767	0.39122	0.113015	0.01454	0.010612
0.229462	5.37E-07	-0.13348	0.00386	0.00126	0.97834	-0.05303	0.25272	0.152637
0.196523	1.89E-05	0.082961	0.07328	-0.02462	0.5956	-0.04211	0.36387	-0.02909
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0.07279	0.11621	0.40197	1.46E-19	0.029643	0.52281	0.121062	0.00882	0.112337
0.089412	0.0535	-0.03342	0.4713	0.040484	0.38273	0.00863	0.85244	-0.06547
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0.071365	0.12355	0.104162	0.02438	0.037603	0.41753	0.051447	0.2672	0.238354
0.012688	0.7845	0.11335	0.01425	0.01807	0.69691	-0.00759	0.87006	0.050469
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-0.01093	0.81381	-0.18884	4.01E-05	0.002847	0.95107	-0.02729	0.55638	-0.16998
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0.206634	6.73E-06	0.266211	5.12E-09	0.039599	0.39323	0.034687	0.45457	-0.00556
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-0.04056	0.38184	-0.21397	3.08E-06	0.026237	0.57169	-0.0369	0.42628	-0.04339
-0.00117	0.97994	-0.11097	0.01643	0.050879	0.27252	0.045159	0.33017	0.145985
0.069275	0.13496	0.125942	0.00643	0.049177	0.28891	0.094176	0.04193	0.219375
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0.249443	4.69E-08	-0.22467	9.34E-07	-0.04136	0.37245	-0.15478	0.00079	-0.15931
-0.05637	0.22406	0.38355	8.16E-18	0.031378	0.49877	0.211043	4.22E-06	0.049798
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0.050397	0.2771	0.102275	0.0271	-0.035	0.45051	-0.11184	0.01561	-0.18157
0.071391	0.12341	-0.27389	1.76E-09	-0.0149	0.74809	-0.17551	0.00014	-0.12719

0.134059	0.0037	-0.0332	0.47411	-0.02165	0.64081	-0.10102	0.02905	-0.09537
0.059355	0.20042	0.228369	6.10E-07	0.009227	0.84237	0.08244	0.07511	-0.1115
0.052265	0.25966	0.322947	8.50E-13	0.057452	0.21526	0.152265	0.00096	0.17447
0.116417	0.01182	-0.02057	0.65747	0.036471	0.4317	-0.02454	0.59683	-0.11945
0.011918	0.79728	-0.05098	0.2716	0.01457	0.7535	0.024644	0.59527	-0.00457
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0.197366	1.74E-05	0.217998	1.98E-06	-0.01382	0.76573	-0.03986	0.39007	0.003265
-0.05052	0.27593	-0.07783	0.09298	0.010452	0.82177	0.008656	0.85201	0.068749
-0.10678	0.021	-0.27091	2.68E-09	-0.04065	0.38079	-0.14063	0.00232	-0.08583
0.053593	0.24773	0.048039	0.30023	0.021606	0.64142	-0.10657	0.02126	0.062321
0.051277	0.26879	-0.11336	0.01424	0.158005	0.00061	0.141307	0.00221	0.455554
0.016233	0.72644	0.106618	0.0212	-0.01011	0.82757	-0.07496	0.10572	0.048374
0.090758	0.04999	0.08818	0.05689	-0.00465	0.92024	-0.08819	0.05687	0.024804
0.19935	1.42E-05	0.317552	2.12E-12	0.008006	0.863	0.025967	0.57565	0.090075
-0.11121	0.0162	0.018487	0.69028	0.056418	0.22364	0.297464	5.38E-11	-0.02777
-0.16486	0.00035	-0.38252	1.01E-17	-0.02232	0.63046	-0.13171	0.00436	-0.16681
0.007254	0.87576	-0.14206	0.00209	0.003013	0.94822	-0.02543	0.58365	-0.22842
-0.18343	6.69E-05	-0.51512	5.22E-33	-0.01896	0.68278	-0.07254	0.11748	-0.14194
0.018031	0.69754	0.020352	0.66089	-0.01016	0.82665	-0.10349	0.02532	0.080846
-0.1563	0.0007	-0.30213	2.59E-11	0.00863	0.85244	-0.01622	0.7267	-0.05903
-0.16062	0.00049	-0.25054	4.08E-08	0.009128	0.84403	-0.03532	0.44638	-0.16655
0.02861	0.53741	-0.05094	0.27193	0.051415	0.2675	-0.02185	0.63771	0.175111
-0.05146	0.26711	-0.05404	0.24382	0.007809	0.86635	-0.02117	0.64822	0.041349
-0.05781	0.21238	-0.33568	9.20E-14	-0.01021	0.82579	-0.00205	0.96483	-0.10724
0.226081	7.95E-07	0.233623	3.29E-07	0.013134	0.77712	0.15161	0.00101	-0.05433
0.14661	0.00149	0.108952	0.01851	-0.0297	0.52199	-0.07401	0.11018	0.168468
0.054696	0.23812	0.191667	3.05E-05	-0.01386	0.76517	-0.08224	0.07582	-0.0232
-0.11485	0.01301	-0.32241	9.32E-13	0.010328	0.82386	0.089197	0.05407	-0.10699
0.077759	0.09326	0.194041	2.42E-05	0.100106	0.03054	0.364992	3.66E-16	-0.01162
-0.08749	0.05887	-0.17565	0.00014	0.083448	0.0716	0.001422	0.97555	0.157475
0.001961	0.96629	-0.26134	9.90E-09	-0.01083	0.81539	-0.0821	0.07631	-0.07591
-0.07679	0.09743	-0.32667	4.49E-13	0.006022	0.89674	0.039159	0.39851	-0.05577
0.165955	0.00032	0.09134	0.04853	0.00257	0.95584	-0.06771	0.14403	0.026787
-0.00799	0.86327	0.053629	0.24741	0.132946	0.004	0.110986	0.01642	0.225407
-0.12892	0.00527	-0.50968	3.05E-32	-0.05891	0.20385	-0.15711	0.00066	-0.14149
0.142469	0.00203	-0.16139	0.00046	0.069815	0.13193	-0.01545	0.73914	0.016709
-0.06973	0.1324	-0.09527	0.03959	-0.02153	0.64263	-0.07636	0.0993	-0.01106
-0.12776	0.00569	0.20797	5.85E-06	0.039177	0.39829	0.105146	0.02306	-0.00284
-0.0126	0.78591	-0.09794	0.03435	0.004945	0.91512	-0.05973	0.1976	-0.04185
0.016755	0.71801	-0.11047	0.01693	0.019357	0.67652	0.026103	0.57366	0.038669
-0.04892	0.29145	-0.30654	1.29E-11	0.020043	0.66573	-0.03446	0.45752	-0.03778
0.040186	0.38625	0.051422	0.26743	0.035267	0.44706	-0.07975	0.08514	0.136835
0.216353	2.37E-06	-0.02991	0.51903	0.021045	0.6501	-0.07957	0.08585	-0.0784
-0.05954	0.19905	0.186823	4.86E-05	0.074904	0.10596	0.20174	1.12E-05	0.145508
-0.08505	0.06629	-0.27268	2.09E-09	0.029677	0.52234	0.041761	0.36789	-0.08199



0.048647	0.29414	-0.07441	0.10831	0.016826	0.71685	-0.06962	0.133	-0.053
-0.19427	2.37E-05	-0.09783	0.03456	0.058349	0.20816	0.167957	0.00027	0.111228
-0.00384	0.93404	0.117206	0.01125	0.037463	0.41927	0.121744	0.00845	0.019163
0.059206	0.20155	0.171146	0.0002	-0.04545	0.32705	-0.01524	0.74262	-0.29546
0.079859	0.08472	0.193539	2.54E-05	0.067955	0.14257	0.094844	0.04049	0.2258
0.049794	0.2829	-0.14141	0.00219	-0.01471	0.75123	-0.04906	0.29011	-0.05041
-0.02815	0.54392	-0.04007	0.38765	0.120197	0.00932	0.263967	6.95E-09	-0.10624
-0.03932	0.39655	-0.24726	6.19E-08	0.007914	0.86456	-0.04887	0.29193	0.009202
0.238498	1.83E-07	0.548928	4.18E-38	-0.05141	0.26759	0.047336	0.30737	-0.10973
0.167622	0.00027	-0.03224	0.48708	-0.02131	0.64601	-0.02949	0.52503	-0.12002
0.08418	0.06914	0.05907	0.20259	-0.06277	0.17569	-0.11431	0.01345	0.033192
-0.06086	0.18919	-0.14873	0.00127	-0.08417	0.06916	-0.17265	0.00018	-0.13346
-0.07328	0.11376	-0.26075	1.07E-08	-0.07173	0.12166	-0.15665	0.00068	-0.19971
0.197302	1.75E-05	0.18407	6.30E-05	0.009603	0.83604	-0.01844	0.6911	0.032971
-0.08907	0.05441	-0.1383	0.00274	0.001932	0.96679	0.005021	0.91383	0.06227
-0.05003	0.28064	-0.03	0.51782	0.042399	0.36061	0.172433	0.00018	0.333043
-0.07084	0.12635	-0.13769	0.00287	0.041761	0.36789	0.037313	0.42114	-0.02143
-0.07752	0.09426	-0.23529	2.70E-07	0.000912	0.98431	-0.06545	0.15792	-0.05551
0.064559	0.16367	0.053723	0.24659	0.091681	0.04769	0.006691	0.88534	0.106148
-0.05342	0.24922	-0.20224	1.06E-05	-0.00561	0.9038	-0.05734	0.21614	-0.08562
-0.08123	0.07951	-0.19492	2.22E-05	-0.02479	0.59304	-0.11005	0.01736	-0.1584
0.122031	0.00829	-0.04345	0.34884	0.006009	0.89695	-0.07655	0.09849	-0.05803
-0.11169	0.01575	-0.22892	5.73E-07	0.009676	0.83481	-0.02401	0.60481	-0.03862
-0.07165	0.12204	-0.13695	0.00302	0.005621	0.90357	0.011557	0.80329	-0.02813
-0.06155	0.18428	-0.11293	0.01462	3.66E-05	0.99937	0.011533	0.80369	-0.08539
-0.12039	0.00921	-0.01873	0.68646	0.004352	0.92526	-0.02038	0.66043	-0.08159
-0.06254	0.17727	-0.2631	7.81E-09	0.009319	0.84081	-0.07634	0.09941	-0.12023
-0.11634	0.01187	0.092539	0.04564	-0.064	0.16732	-0.07899	0.0882	0.056492
0.221199	1.38E-06	0.048634	0.29428	0.020983	0.65106	0.012517	0.78733	0.005905
0.085118	0.06609	0.001263	0.97829	0.025118	0.58821	-0.04041	0.38365	0.113169
0.004851	0.91673	0.077284	0.09529	-0.00645	0.8895	0.036742	0.42828	0.052168
-0.01271	0.78413	-0.04688	0.31205	-0.00888	0.84815	-0.00183	0.96853	0.024692
0.007255	0.87575	-0.00626	0.89269	-0.00259	0.95548	-0.02979	0.52069	0.074459
0.033028	0.47645	0.023436	0.61344	-0.01166	0.80159	-0.03673	0.42843	-0.03645
0.103205	0.02573	0.033023	0.47651	0.047534	0.30534	0.010274	0.82476	0.117741
0.223116	1.11E-06	0.050309	0.27794	0.040371	0.38406	0.068001	0.1423	0.224384
-0.08484	0.06699	-0.28132	6.08E-10	-0.0028	0.95185	-0.05365	0.24722	-0.01402
0.099108	0.03225	-0.00488	0.91617	-0.02528	0.58574	-0.00746	0.87228	-0.09458
-0.13122	0.00451	-0.29602	6.72E-11	-0.01336	0.77342	-0.05013	0.27968	-0.03755
0.059841	0.19675	0.051194	0.26956	0.048481	0.2958	0.001602	0.97245	-0.00497
-0.06304	0.17383	0.103325	0.02556	-0.01635	0.72459	-0.0173	0.70929	0.019368
-0.15313	0.0009	-0.0827	0.07418	0.048812	0.29251	0.094056	0.04219	-0.02961
-0.00744	0.87264	0.013192	0.77615	0.05665	0.22174	0.058718	0.2053	0.042001
0.014437	0.75567	0.179278	9.80E-05	0.039648	0.39264	0.072171	0.11936	0.156675
-0.13376	0.00378	-0.17623	0.00013	0.034803	0.45307	0.064369	0.16491	0.002847

-0.1441	0.0018	-0.00739	0.87352	0.064657	0.16303	0.138774	0.00265	0.058436
-0.04773	0.30338	-0.18885	4.00E-05	-0.01917	0.67952	-0.08092	0.08064	0.012019
0.028334	0.54134	0.099804	0.03105	0.015335	0.74101	0.056254	0.22499	0.105887
-0.13294	0.004	-0.07509	0.10511	0.166759	0.0003	0.23435	3.02E-07	0.466423
-0.17426	0.00015	0.074103	0.10976	0.094172	0.04194	0.337208	6.99E-14	0.270317
-0.09661	0.03687	-0.10898	0.01848	0.008099	0.86143	-0.07457	0.10754	-0.15435
0.025906	0.57655	0.140997	0.00226	0.078226	0.09131	0.035967	0.43809	0.09779
0.004761	0.91827	0.016134	0.72804	0.033238	0.47364	0.020486	0.65881	0.029588
0.030181	0.51529	0.032853	0.47879	0.01913	0.68009	0.012086	0.79449	0.063011
0.144259	0.00178	-0.15518	0.00077	0.021058	0.6499	-0.05682	0.22036	-0.01427
0.037608	0.41746	-0.12427	0.00717	0.008068	0.86196	-0.05656	0.22246	-0.04439
0.004236	0.92725	-0.08049	0.0823	-0.01582	0.73312	-0.04594	0.32184	-0.03518
-0.18262	7.21E-05	-0.26149	9.71E-09	-0.00983	0.83219	-0.04584	0.32288	-0.05192
0.005312	0.90886	-0.0842	0.06906	0.005022	0.9138	-0.00983	0.83214	-0.01108
0.157855	0.00062	-0.19375	2.49E-05	-0.00678	0.88388	-0.04298	0.3541	-0.06423
0.114363	0.0134	0.017445	0.70692	0.016955	0.71478	0.162666	0.00042	-0.15163
0.092664	0.04535	0.092844	0.04493	0.029742	0.52142	0.080135	0.08365	-0.06914
0.115227	0.01271	0.045128	0.3305	-0.04446	0.33775	-0.21153	4.00E-06	-0.10505
0.066415	0.15187	0.202432	1.04E-05	0.152107	0.00098	0.107498	0.02015	0.331346
-0.1787	0.0001	-0.16309	0.0004	0.039359	0.39611	0.139708	0.00248	0.21341
-0.11087	0.01654	0.060669	0.19062	0.024324	0.60005	0.052828	0.25456	0.205371
0.035329	0.44626	-0.02295	0.62076	0.0184	0.69166	0.020451	0.65935	-0.03399
-0.02173	0.63954	-0.17632	0.00013	-0.10159	0.02814	-0.08825	0.05669	-0.23813
0.071831	0.12111	-0.11573	0.01232	0.006917	0.88149	-0.07247	0.11782	0.013504
-0.21671	2.28E-06	-0.42597	5.21E-22	-0.03576	0.44076	-0.04387	0.34421	-0.16295
0.030145	0.5158	-0.01106	0.81163	0.117725	0.01089	0.184474	6.06E-05	0.200905
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-0.05196	0.26242	-0.02628	0.57108	0.052408	0.25835	0.054456	0.24019	0.053632
0.205353	7.69E-06	0.045997	0.32127	-0.05925	0.20123	-0.03648	0.4316	-0.17743
0.149579	0.00119	0.373284	6.90E-17	0.032092	0.48904	0.104512	0.02391	0.111372
-0.29208	1.23E-10	-0.46891	6.63E-27	-0.07582	0.10173	-0.0669	0.14887	-0.21113
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0.078584	0.08983	0.054032	0.24387	0.092003	0.04691	0.085282	0.06557	0.135709
0.003902	0.93298	-0.18573	5.39E-05	0.01104	0.81193	-0.00133	0.97708	-0.0252
0.190475	3.43E-05	0.140783	0.00229	-0.04937	0.28701	-0.10191	0.02766	-0.00947
0.095413	0.0393	0.080206	0.08338	0.014483	0.75491	0.115519	0.01249	-0.00789
0.266181	5.14E-09	0.297452	5.39E-11	0.076043	0.10074	0.248568	5.24E-08	-0.0711
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-0.01855	0.68927	0.037268	0.4217	-0.02277	0.62352	0.118451	0.01041	-0.11809
0.142618	0.002	0.080231	0.08328	-0.01134	0.80685	0.026417	0.56906	0.01267
0.181765	7.80E-05	0.320391	1.31E-12	0.081315	0.07919	0.185045	5.75E-05	0.177091
0.187603	4.51E-05	0.10202	0.02749	0.026918	0.56175	-0.01651	0.7219	-0.01408
0.100166	0.03044	0.296677	6.07E-11	0.108575	0.01893	0.006002	0.89708	0.243054
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0.191754	3.03E-05	0.044939	0.33253	0.073608	0.11216	0.160118	0.00051	0.07574
0.058034	0.21064	0.115744	0.01232	-0.03542	0.44513	-0.00724	0.87607	-0.09856
0.028362	0.54094	-0.01586	0.73243	-0.01521	0.74304	-0.01878	0.68563	-0.01456
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0.041557	0.37023	0.083291	0.07214	-0.01801	0.69789	-0.0229	0.62162	0.035539
0.089183	0.05411	-0.11052	0.01688	-0.04433	0.33909	-0.03544	0.44486	-0.13532
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0.054024	0.24394	0.067842	0.14324	-0.01288	0.78136	0.01559	0.73685	-0.00971
-0.00994	0.83041	0.097046	0.03604	0.015635	0.73613	0.214825	2.80E-06	0.040035
0.149203	0.00122	0.057142	0.21775	0.027207	0.55755	0.075473	0.10333	-0.12041
0.231938	4.02E-07	0.32763	3.80E-13	-0.00648	0.88894	0.019486	0.67449	0.045485
0.080733	0.08136	-0.0984	0.03351	0.090896	0.04964	-0.07501	0.10544	-0.02369
0.037004	0.42499	0.110928	0.01648	0.099124	0.03222	-0.02057	0.65752	-0.04006
0.18448	6.06E-05	0.211313	4.10E-06	-0.03541	0.44525	-0.08925	0.05394	-0.03458
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-0.09679	0.03654	0.007568	0.87044	0.003388	0.9418	-0.01524	0.74258	0.074486
0.108383	0.01914	0.109329	0.01811	0.014998	0.7465	-0.07284	0.11598	-0.01299
0.09774	0.03472	-0.09641	0.03728	0.012215	0.79235	-0.00882	0.84921	-0.09451
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0.00339	0.94175	-0.04175	0.36803	-0.02759	0.55196	-0.0271	0.55907	-0.07058
0.032133	0.48848	-0.28381	4.22E-10	-0.01468	0.75171	-0.07803	0.09211	-0.16629
-0.18595	5.28E-05	-0.11332	0.01427	0.017242	0.71016	0.078464	0.09032	0.086595
0.133195	0.00393	0.234656	2.91E-07	0.039478	0.39468	0.044858	0.3334	0.016074
-0.04478	0.33427	-0.10822	0.01933	0.015603	0.73664	-0.01956	0.67338	-0.06289
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-0.081	0.08036	0.018948	0.68298	0.013161	0.77668	0.118331	0.01049	-0.00166
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-0.11515	0.01277	-0.44043	1.40E-23	-0.06918	0.13548	-0.06557	0.15718	-0.22763
-0.15834	0.00059	-0.40159	1.59E-19	-0.07418	0.10938	-0.04609	0.32029	-0.19079
-0.14381	0.00184	-0.2724	2.17E-09	-0.05095	0.27188	0.002716	0.95333	-0.12206
-0.22053	1.49E-06	-0.30998	7.38E-12	-0.0239	0.60642	0.104691	0.02366	-0.03115
-0.14029	0.00238	-0.09462	0.04097	-0.034	0.46354	0.082092	0.07635	-0.04874
0.070352	0.12898	0.253037	2.96E-08	-0.00041	0.9929	0.015726	0.73464	0.001871
0.19177	3.02E-05	0.168421	0.00026	-0.02209	0.63402	-0.15307	0.0009	0.028306
0.161359	0.00046	0.176909	0.00012	0.001972	0.96611	-0.10546	0.02265	0.062687
-0.09941	0.03172	-0.06695	0.14861	-0.01963	0.67221	-0.07322	0.11407	-0.00182
-0.23607	2.46E-07	-0.05524	0.23344	0.007542	0.87086	0.064529	0.16387	-0.06318
-0.16687	0.00029	0.043358	0.34984	0.029937	0.5187	0.098109	0.03404	0.008071
-0.11108	0.01633	-0.14925	0.00122	0.055563	0.23074	0.154945	0.00078	0.073849
-0.19329	2.60E-05	-0.16978	0.00023	0.173162	0.00017	0.215898	2.49E-06	0.12772
0.225233	8.76E-07	-0.16539	0.00033	0.0146	0.75301	-0.09082	0.04984	-0.12143

-0.18861	4.10E-05	-0.1466	0.00149	0.017489	0.7062	0.051885	0.26314	-0.00283
-0.14774	0.00137	-0.15891	0.00057	0.017361	0.70826	0.038949	0.40105	-0.01469
-0.23997	1.53E-07	-0.07688	0.09705	0.016638	0.71988	0.061388	0.1854	-0.02335
-0.07096	0.12568	-0.09258	0.04554	0.022715	0.62441	0.263696	7.21E-09	0.11984
-0.17515	0.00014	-0.27167	2.40E-09	0.022712	0.62444	0.107819	0.01978	0.073226
0.108164	0.01938	0.336847	7.46E-14	0.078479	0.09026	0.213965	3.08E-06	0.202483
-0.13044	0.00475	-0.36632	2.81E-16	-0.02813	0.54429	-0.09964	0.03134	-0.17287
0.227001	7.15E-07	0.266762	4.75E-09	0.059829	0.19684	-0.10519	0.023	0.145425
0.126867	0.00604	0.107503	0.02014	-0.06433	0.16515	-0.15166	0.00101	-0.10519
0.124239	0.00719	0.10533	0.02282	0.014897	0.74814	0.012223	0.79221	0.10227
0.090709	0.05011	0.291096	1.43E-10	-0.03666	0.42936	0.01891	0.68358	0.076875
0.005899	0.89883	0.103095	0.02589	-0.00122	0.97903	0.126664	0.00613	0.034337
-0.25098	3.85E-08	-0.43419	6.81E-23	-0.04041	0.38355	-0.07654	0.09855	-0.19735
-0.1237	0.00744	-0.18544	5.54E-05	0.089897	0.05221	0.317945	1.98E-12	0.095519
0.116195	0.01198	-0.20791	5.88E-06	-0.0116	0.80258	-0.12028	0.00927	-0.18024
0.221731	1.30E-06	-0.00324	0.94439	-0.01663	0.72009	-0.13817	0.00277	-0.12257
0.072164	0.11939	-0.16415	0.00037	0.091207	0.04886	0.059921	0.19615	0.001803
-0.02321	0.61679	-0.09747	0.03523	0.007723	0.8678	0.055327	0.23274	0.079138
0.240406	1.45E-07	-0.18913	3.90E-05	0.009707	0.83429	-0.02771	0.55022	-0.09719
-0.01317	0.77644	0.078852	0.08874	-0.08952	0.05321	-0.0676	0.14467	-0.14387
0.072457	0.1179	0.377417	2.95E-17	0.051537	0.26636	0.106096	0.02184	0.258546
0.105544	0.02254	0.163902	0.00038	0.078287	0.09106	0.099438	0.03168	0.237333
0.05654	0.22263	0.073444	0.11296	0.163859	0.00038	0.207886	5.90E-06	0.45673
-0.0272	0.55767	-0.04599	0.32129	0.099285	0.03194	0.147026	0.00144	0.316364
-0.0556	0.23041	-0.04882	0.29239	0.035453	0.44467	0.047566	0.30501	0.153496
0.079493	0.08617	0.099709	0.03121	-0.07411	0.10972	-0.09473	0.04072	-0.18241
0.066073	0.15399	0.420343	2.04E-21	0.00907	0.84501	-0.04697	0.31117	0.062062
-0.0088	0.84952	-0.01955	0.6735	-0.03615	0.43572	-0.03029	0.51378	-0.10746
-0.12918	0.00518	-0.29259	1.14E-10	-0.05547	0.23155	-0.19617	1.96E-05	-0.10984
-0.13428	0.00365	0.169998	0.00022	0.082017	0.07662	0.17147	0.0002	0.174534
0.015247	0.74245	-0.02001	0.66625	0.063337	0.17181	0.104986	0.02327	0.237468
0.182672	7.17E-05	0.252766	3.06E-08	0.065699	0.15634	0.068857	0.13734	0.345153
0.212101	3.76E-06	0.394982	6.92E-19	-0.01638	0.72411	-0.07084	0.12633	0.065479
0.090534	0.05055	0.021249	0.64694	-0.02709	0.55919	-0.03833	0.40854	-0.04342
0.044681	0.33531	0.019768	0.67005	0.038782	0.40307	-0.02093	0.65196	0.018475
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-0.0508	0.27324	-0.03322	0.47387	-0.01948	0.67451	-0.0281	0.5447	-0.04055
-0.01002	0.82894	-0.18307	6.91E-05	-0.04854	0.29523	-0.12568	0.00654	-0.10276
0.071265	0.12408	-0.02523	0.58653	-0.07719	0.09571	-0.08667	0.06127	-0.20556
0.061964	0.18131	0.035585	0.44298	0.119152	0.00996	0.196829	1.83E-05	0.254085
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-0.0913	0.04862	-0.17278	0.00018	0.012306	0.79084	-0.09595	0.0382	-0.04354
-0.04379	0.34504	0.022523	0.62734	-0.01153	0.80378	0.019886	0.66819	-0.08905
-0.06401	0.16731	-0.01546	0.73901	0.006743	0.88445	0.023203	0.61697	0.006796
-0.04513	0.33047	0.010866	0.81483	0.029658	0.5226	0.02002	0.66608	0.068398

-0.01232	0.79062	0.112487	0.01501	0.128595	0.00538	0.171971	0.00019	0.385727
-0.09615	0.0378	-0.28347	4.43E-10	0.023473	0.61288	0.005269	0.90959	-0.03407
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-0.02557	0.58147	-0.07476	0.10662	0.046467	0.31634	0.007737	0.86756	-0.04667
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0.004675	0.91975	0.08439	0.06845	0.039852	0.3902	0.12513	0.00678	0.15364
0.100853	0.02932	0.052978	0.25321	-0.01606	0.72921	-0.10483	0.02348	-0.01629
-0.23257	3.73E-07	-0.03771	0.41626	0.060213	0.19398	0.174114	0.00016	0.114435
0.091449	0.04826	0.063074	0.17359	0.03773	0.41596	0.013536	0.77049	-0.00273
0.055426	0.2319	0.064845	0.1618	-0.06752	0.14517	-0.18478	5.89E-05	0.00422
0.094798	0.04059	0.185335	5.59E-05	-0.04615	0.3197	-0.12054	0.00912	0.012448
0.266036	5.24E-09	0.21235	3.66E-06	0.018243	0.69416	-0.04492	0.33274	0.100438
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0.085879	0.06369	0.146789	0.00147	-0.0432	0.35159	-0.01968	0.67147	0.000957
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-0.0711	0.12494	0.023424	0.61363	0.07439	0.10838	0.132322	0.00418	0.177468
-0.12544	0.00664	-0.29999	3.63E-11	-0.01706	0.71305	-0.02929	0.52772	-0.14359
-0.13504	0.00346	-0.31314	4.40E-12	-0.05277	0.25508	-0.14295	0.00196	-0.2722
0.130441	0.00475	0.251742	3.49E-08	0.060948	0.18858	0.186685	4.92E-05	0.179437
0.066184	0.15329	0.180747	8.57E-05	0.025765	0.57863	0.055129	0.23442	0.158962
0.109969	0.01744	0.226081	7.95E-07	0.083445	0.07161	0.142452	0.00203	0.330913
0.225661	8.34E-07	0.077929	0.09255	-0.01201	0.79568	-0.07312	0.11457	0.121723
-0.10009	0.03058	-0.11884	0.01016	0.02054	0.65796	0.004422	0.92407	-0.09333
-0.10795	0.01963	-0.19903	1.47E-05	-0.07287	0.11583	0.02765	0.55115	-0.17753
-0.14273	0.00199	0.101378	0.02848	0.067559	0.14492	0.275675	1.37E-09	0.052787
0.087437	0.05901	0.246174	7.10E-08	0.021474	0.64345	0.273581	1.84E-09	0.110873
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0.226141	7.89E-07	-0.01141	0.80578	0.044103	0.34162	0.153951	0.00084	-0.03005
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-0.00226	0.96118	-0.02049	0.65879	0.046468	0.31632	-0.00078	0.98665	0.23017
-0.06933	0.13462	-0.15867	0.00058	0.087544	0.0587	0.080441	0.08247	-0.013
-0.13673	0.00307	-0.2333	3.42E-07	0.025419	0.58375	0.085414	0.06515	-0.00627
0.022044	0.63467	0.08414	0.06927	0.045684	0.32457	0.116821	0.01152	0.088817
0.110029	0.01738	0.034718	0.45417	0.115579	0.01244	0.207633	6.06E-06	0.30227
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0.045756	0.32381	0.192373	2.85E-05	0.027451	0.55402	-0.06753	0.14509	0.188103
-0.17797	0.00011	-0.44541	3.86E-24	-0.0059	0.89886	-0.04409	0.34179	-0.07337
0.007807	0.86639	-0.20073	1.24E-05	-0.02444	0.59828	-0.07691	0.09693	-0.12351
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0.204909	8.06E-06	-0.06671	0.15006	-0.03217	0.48803	-0.07054	0.12796	-0.10047
0.005215	0.91051	-0.11445	0.01333	-0.00203	0.96508	-0.03915	0.39864	-0.00745
0.1368	0.00305	0.054513	0.23969	0.014843	0.74903	-0.0142	0.75964	0.023605
0.004444	0.92369	-0.23244	3.79E-07	-0.02247	0.6281	-0.11487	0.01299	-0.20745
0.045017	0.3317	-0.11192	0.01553	-0.02126	0.64671	-0.07364	0.11199	-0.09279
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-0.19724	1.76E-05	-0.31317	4.38E-12	0.002309	0.96032	-0.03076	0.5073	-0.07695
0.144326	0.00177	-0.09638	0.03734	0.028045	0.54548	-0.05808	0.21026	0.022681
0.045238	0.32932	0.043875	0.34412	-0.00866	0.85199	-0.04039	0.38386	-0.06765
0.020858	0.653	0.036541	0.43082	0.021038	0.65021	-0.0616	0.18392	-0.01155
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0.119799	0.00956	0.383475	8.29E-18	-0.0183	0.69332	-0.07833	0.09088	0.101501
0.106412	0.02145	0.266548	4.89E-09	-0.04886	0.29203	0.031917	0.49141	-0.0662
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0.028124	0.54435	-0.0615	0.1846	0.010263	0.82494	-0.00815	0.86065	-0.03528
0.079693	0.08538	0.433992	7.16E-23	0.01541	0.73978	0.093244	0.04401	0.020801
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0.027307	0.5561	-0.0439	0.34382	-0.00262	0.95496	-0.0772	0.09565	-0.1194
0.009411	0.83926	0.062883	0.1749	0.088935	0.05479	0.092119	0.04663	0.131558
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0.005974	0.89755	-0.06452	0.16395	0.024277	0.60077	0.058173	0.20955	-0.03308
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-0.0347	0.45435	-0.08074	0.08133	0.033752	0.46683	0.06262	0.17672	-0.00674
-0.15072	0.00109	-0.24372	9.64E-08	-0.02919	0.52914	-0.01012	0.82732	-0.13883
0.092575	0.04555	-0.0062	0.89373	-0.02143	0.6441	-0.13146	0.00443	-0.06019
-0.06667	0.15029	-0.08977	0.05254	0.063697	0.16938	0.179848	9.30E-05	0.333825
0.211559	3.99E-06	-0.18641	5.05E-05	-0.01052	0.82057	-0.09935	0.03183	-0.10714
0.051095	0.27049	-0.25715	1.73E-08	-0.03161	0.49559	-0.11519	0.01274	0.001148
-0.29749	5.36E-11	-0.21572	2.54E-06	-0.0469	0.31182	-0.0055	0.90557	-0.28688
0.127993	0.00561	-0.00884	0.84883	-0.03808	0.41165	-0.0729	0.11567	0.024508
0.020527	0.65817	-0.21621	2.41E-06	-0.04027	0.38522	-0.06635	0.15224	-0.02332
-0.1277	0.00572	-0.32052	1.28E-12	-0.04559	0.32562	-0.06676	0.14974	-0.00198
0.155846	0.00073	0.119208	0.00993	0.091525	0.04807	0.186986	4.78E-05	0.281013
-0.18617	5.17E-05	-0.22871	5.87E-07	-0.04003	0.38806	-0.07938	0.08663	-0.104
-0.04649	0.31615	-0.00406	0.93022	0.015463	0.73892	0.116886	0.01148	0.05034
0.033881	0.46514	0.12672	0.0061	-0.05084	0.27287	-0.06895	0.13682	0.043378
-0.10357	0.02521	-0.18252	7.28E-05	-0.02917	0.52941	-0.04056	0.38188	-0.10634
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-0.06589	0.15515	0.182164	7.52E-05	0.004973	0.91465	0.035581	0.44302	-0.004
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-0.03388	0.46518	-0.11255	0.01495	0.020762	0.6545	0.030525	0.51052	0.026001
0.045364	0.32797	-0.12756	0.00577	0.023015	0.61983	0.033278	0.47311	-0.00569
-0.07285	0.11591	0.020471	0.65903	0.063192	0.17279	0.119096	0.01	0.149237
-0.04357	0.34745	0.112004	0.01545	0.026187	0.57242	0.103126	0.02584	0.009245
-0.00591	0.89858	-0.03882	0.40259	0.031595	0.4958	0.037531	0.41842	0.189549
-0.02752	0.55308	-0.11476	0.01308	-0.00272	0.95323	-0.02488	0.59177	0.012007
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0.047604	0.30463	0.200084	1.32E-05	0.003235	0.94441	0.076506	0.09868	-0.02751
0.12245	0.00807	0.089278	0.05386	0.036588	0.43022	0.002627	0.95486	0.142392
0.009949	0.83022	-0.21668	2.29E-06	0.028423	0.54007	0.017906	0.69953	-0.0756
0.194196	2.38E-05	-0.26792	4.05E-09	0.042383	0.36079	-0.1105	0.0169	-0.04842
-0.01193	0.79715	-0.04803	0.30028	0.046818	0.3127	0.122332	0.00813	-0.02311
0.106277	0.02162	0.15998	0.00052	0.031223	0.50089	0.093685	0.04301	-0.09033
-0.23392	3.18E-07	-0.30046	3.37E-11	0.028312	0.54165	0.069444	0.134	-0.10295
-0.27811	9.67E-10	-0.15405	0.00084	0.113361	0.01424	0.189124	3.90E-05	0.238125
-0.00977	0.83324	-0.08394	0.06993	-0.02714	0.5585	-0.01199	0.79606	-0.00074
-0.06264	0.17658	-0.08595	0.06349	-0.0045	0.92272	-0.01514	0.74411	0.001629
0.07582	0.10175	0.221392	1.35E-06	-0.00832	0.85771	-0.0358	0.44025	-0.07261
-0.02656	0.56703	-0.00491	0.91569	-0.00784	0.86574	-0.02599	0.57527	-0.10712
-0.10208	0.02739	-0.111	0.01641	0.003288	0.9435	0.043361	0.34981	0.125406
-0.02698	0.5608	-0.00297	0.94896	0.009503	0.83772	0.002414	0.95851	-0.01248
0.115566	0.01245	0.104165	0.02438	0.066899	0.14889	0.117399	0.01112	0.108616
0.044743	0.33465	-0.00934	0.84044	0.186647	4.94E-05	0.1214	0.00864	0.410239
-0.10983	0.01759	-0.32908	2.95E-13	-0.01854	0.6895	-0.07053	0.12804	-0.00181
-0.07298	0.11526	-0.10242	0.02688	-0.04651	0.31588	-0.05359	0.24772	0.005724
0.143491	0.00188	0.014415	0.75604	-0.0112	0.80933	-0.18285	7.06E-05	0.009392
0.233666	3.27E-07	0.306703	1.25E-11	0.048791	0.29271	0.005279	0.90942	0.263472
0.045009	0.33178	0.073135	0.11449	-0.0361	0.43635	-0.11041	0.01699	-0.10354
0.026701	0.56491	-0.06594	0.15484	-0.00906	0.8452	-0.10671	0.02109	-0.07107
-0.15086	0.00108	-0.29877	4.39E-11	-0.02993	0.51876	0.008883	0.84818	-0.18156
0.070975	0.12562	0.14366	0.00186	0.08037	0.08275	0.361141	7.82E-16	0.093621
-0.00529	0.90922	0.089261	0.0539	0.060682	0.19052	0.028986	0.53207	-0.01259
-0.0011	0.98112	0.007126	0.87793	0.078868	0.08867	0.280601	6.74E-10	-0.02693
0.223167	1.11E-06	0.110567	0.01683	-0.00924	0.84209	-0.09765	0.03489	-0.05268
0.022593	0.62627	-0.0681	0.14172	0.030166	0.5155	-0.045	0.33188	-0.02607
0.07638	0.09924	0.234858	2.84E-07	0.086603	0.06148	0.080054	0.08397	0.377587
-0.27057	2.80E-09	-0.27336	1.90E-09	0.092088	0.04671	0.208483	5.54E-06	0.149345
-0.13679	0.00306	-0.22176	1.30E-06	-0.03359	0.46892	0.11749	0.01105	-0.16767
-0.22867	5.89E-07	-0.44718	2.43E-24	-0.00548	0.90591	0.007078	0.87875	0.005041
0.202865	9.95E-06	0.235857	2.52E-07	-0.03875	0.40344	-0.07059	0.1277	-0.0918
0.112777	0.01475	0.198299	1.58E-05	-0.00824	0.859	-0.01052	0.8207	-0.13518
-0.04414	0.34118	-0.15001	0.00115	0.02277	0.62356	-0.00138	0.97627	-0.06535
0.110788	0.01662	-0.25134	3.68E-08	-0.08193	0.07692	-0.25144	3.63E-08	-0.23207

-0.06371	0.16926	-0.11627	0.01192	-0.01267	0.78487	0.044855	0.33344	-0.13146
-0.08084	0.08098	-0.29959	3.86E-11	0.031258	0.50041	-0.04656	0.31532	0.133055
-0.01465	0.75211	-0.05383	0.24565	0.020436	0.65958	-0.05781	0.2124	0.161595
-0.09123	0.04881	-0.18692	4.82E-05	-0.0592	0.20162	-0.0608	0.18967	-0.07922
-0.24168	1.24E-07	-0.06958	0.13323	-0.04071	0.38009	-0.06288	0.1749	-0.10074
-0.09036	0.05101	-0.12692	0.00602	0.073257	0.11389	0.145966	0.00156	0.179696
-0.17537	0.00014	-0.37481	5.05E-17	0.052112	0.26105	0.022016	0.6351	-0.03074
0.071864	0.12094	0.005659	0.90292	0.013495	0.77116	-0.05675	0.22095	0.087246
-0.041	0.37666	-0.10338	0.02547	-0.01554	0.73768	0.09251	0.04571	-0.09096
0.021879	0.63721	-0.19788	1.65E-05	-0.05263	0.25633	-0.21655	2.32E-06	-0.20632
-0.12383	0.00738	-0.16335	0.00039	0.126903	0.00603	0.212725	3.52E-06	0.19793
-0.10981	0.0176	-0.01966	0.67171	0.096658	0.03679	0.21723	2.15E-06	0.168711
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0.049822	0.28262	-0.16847	0.00026	-0.03045	0.51154	-0.14679	0.00147	-0.06773
0.251456	3.63E-08	0.440399	1.41E-23	-0.05311	0.25202	-0.06527	0.15904	0.026565
0.155291	0.00076	-0.25653	1.87E-08	-0.01803	0.69757	0.002061	0.96457	-0.23709
0.044024	0.34248	-0.1459	0.00157	-0.06554	0.15734	-0.12345	0.00757	-0.04879
0.116836	0.01151	0.027721	0.55013	-0.03014	0.5158	-0.08942	0.05347	0.067589
-0.07413	0.10965	-0.24105	1.34E-07	0.03176	0.49356	-0.02997	0.51823	0.027967
0.093341	0.04379	-0.04961	0.28466	-0.01242	0.78886	-0.05097	0.27166	-0.02283
-0.17861	0.0001	-0.43336	8.38E-23	-0.0102	0.82599	-0.06423	0.16584	-0.02247
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0.139013	0.00261	0.103301	0.02559	0.014064	0.7618	-0.07422	0.10918	-0.11825
-0.05232	0.25915	-0.08556	0.06469	0.014378	0.75664	0.051257	0.26897	0.184114
0.11581	0.01227	-0.02304	0.61952	0.031794	0.49309	-0.00608	0.89573	0.062251
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-0.08534	0.06538	-0.1803	8.93E-05	0.01532	0.74125	-0.00379	0.93484	0.033208
-0.02912	0.53014	-0.31829	1.87E-12	0.009166	0.84339	-0.08977	0.05254	0.024946
0.034055	0.46285	-0.25262	3.12E-08	-0.0142	0.75959	-0.11195	0.0155	0.095355
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0.038753	0.40342	-0.10741	0.02026	-0.02437	0.5993	-0.035	0.45047	-0.11762
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0.107748	0.01986	0.026915	0.56178	-0.00567	0.90272	-0.06391	0.16797	0.044058
0.138169	0.00277	0.251748	3.49E-08	0.091751	0.04752	0.101627	0.02809	0.077119
0.052514	0.25739	-0.30374	2.01E-11	-0.01433	0.75744	-0.05114	0.27008	-0.13364
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0.249524	4.64E-08	-0.00443	0.9239	0.031689	0.49451	0.16187	0.00045	0.194552
-0.13027	0.00481	-0.22344	1.08E-06	-0.00583	0.90009	0.00344	0.9409	-0.08398
0.04439	0.33847	-0.36897	1.65E-16	-0.01716	0.71142	-0.09862	0.03312	-0.10188
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0.1914	3.13E-05	0.40322	1.10E-19	0.044423	0.33812	0.167349	0.00028	0.060767
-0.17521	0.00014	-0.20166	1.13E-05	0.045748	0.32389	0.252894	3.01E-08	0.04663
0.07053	0.12802	-6.24E-06	0.99989	-0.03894	0.40121	-0.01143	0.80549	-0.0482
0.004532	0.92219	0.13392	0.00374	0.080857	0.0809	0.154234	0.00083	0.053703



-0.07389	0.1108	-0.04495	0.33239	0.093177	0.04416	0.032404	0.48482	0.134355
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0.069755	0.13227	0.025345	0.58484	0.074926	0.10586	-0.00523	0.91024	0.107144
0.108171	0.01938	0.447833	2.05E-24	0.08616	0.06283	0.286077	3.02E-10	0.294144
0.165351	0.00033	0.191392	3.13E-05	0.020224	0.66289	0.042904	0.35491	0.129406
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0.053156	0.25161	0.04386	0.34429	-0.00166	0.97151	0.011394	0.80602	0.109158
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0.008406	0.85623	-0.27332	1.91E-09	-0.04423	0.3402	-0.0706	0.12762	-0.22121
0.093161	0.0442	0.137643	0.00288	0.074187	0.10935	0.211585	3.98E-06	0.08908
0.18967	3.70E-05	0.223016	1.13E-06	0.10047	0.02994	0.099958	0.03079	0.16159
0.113575	0.01406	0.361589	7.17E-16	0.057228	0.21705	0.192732	2.75E-05	0.186657
0.096317	0.03746	-0.17864	0.0001	0.0248	0.59294	-0.08574	0.06414	-0.04333
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0.017896	0.6997	0.035214	0.44775	-0.02648	0.56816	0.055076	0.23486	-0.00624
0.008357	0.85707	0.231718	4.12E-07	-0.02074	0.65482	0.032704	0.48079	-0.06694
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0.120301	0.00926	-0.17533	0.00014	0.005234	0.91018	-0.11679	0.01154	-0.04283
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0.137273	0.00295	-0.00695	0.88092	0.034313	0.45945	-0.11068	0.01672	0.045655
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0.15753	0.00063	0.256895	1.79E-08	0.076238	0.09987	0.034315	0.45943	0.24398
0.275472	1.41E-09	0.339685	4.47E-14	-0.0054	0.90728	0.0515	0.26671	0.039098
0.152678	0.00093	0.309885	7.49E-12	0.003553	0.93896	0.025904	0.57658	0.16416
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0.086114	0.06297	0.114562	0.01324	-0.0177	0.70288	-0.01072	0.81721	-0.09921
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-0.10121	0.02875	-0.07643	0.09901	0.043364	0.34977	-0.01679	0.71742	-0.05782
-0.10108	0.02895	-0.38879	2.66E-18	0.007599	0.8699	-0.04456	0.33663	-0.07225
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0.119734	0.0096	-0.08718	0.05976	0.012	0.79591	-0.04774	0.3032	0.09746
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0.182093	7.57E-05	0.356466	1.94E-15	0.055669	0.22986	0.117434	0.01109	0.009687
0.018886	0.68395	-0.07946	0.0863	0.008628	0.85248	0.038789	0.40298	0.036474
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0.007242	0.87597	0.114551	0.01325	-0.00755	0.87077	-0.06606	0.15406	-0.06049
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0.037135	0.42336	-0.06326	0.1723	0.046347	0.31759	-0.03606	0.43696	-0.04066
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0.052416	0.25828	-0.03845	0.40706	-0.00069	0.98808	-0.02771	0.55023	0.181958
0.219575	1.66E-06	0.063349	0.17173	-0.00255	0.95609	0.079898	0.08458	-0.17967
0.098606	0.03314	0.425111	6.43E-22	0.11525	0.01269	0.281583	5.85E-10	0.285737
0.016438	0.72312	-0.05463	0.23869	0.029439	0.52569	0.151168	0.00105	-0.14108
0.175282	0.00014	0.379182	2.04E-17	0.126953	0.00601	0.213194	3.35E-06	0.318004
0.018073	0.69688	0.106287	0.02161	0.083718	0.07069	0.114432	0.01335	0.383168
0.135553	0.00334	0.176462	0.00013	0.033962	0.46406	0.013122	0.77731	0.276672
0.000365	0.99372	-0.01478	0.75001	0.019258	0.67807	0.039228	0.39767	0.241938
-0.14813	0.00133	-0.38649	4.37E-18	0.014001	0.76283	0.090671	0.05021	-0.10213
-0.15877	0.00057	-0.43883	2.11E-23	0.072091	0.11977	0.155079	0.00077	-0.07808
-0.13249	0.00413	-0.41112	1.79E-20	0.018557	0.68917	0.103822	0.02485	-0.13353
-0.08083	0.08101	-0.38392	7.55E-18	0.003304	0.94323	-0.02819	0.54337	-0.20889
-0.08282	0.07377	-0.09264	0.0454	0.179691	9.44E-05	0.400383	2.08E-19	0.041492
0.172979	0.00017	0.201885	1.10E-05	0.038616	0.40509	-0.02727	0.55658	0.036063
0.083674	0.07084	-0.16046	0.0005	-0.02527	0.58597	-0.12921	0.00516	-0.11987
0.184689	5.94E-05	0.338749	5.30E-14	-5.16E-06	0.99991	-0.05645	0.22339	0.040539

-0.11174	0.0157	-0.19795	1.64E-05	-0.01276	0.78326	-0.02068	0.65581	0.010559
-0.14449	0.00175	-0.33479	1.08E-13	0.026802	0.56343	0.065903	0.15505	0.054539
0.03797	0.41299	0.051654	0.26527	0.141857	0.00212	0.23388	3.19E-07	0.087509
-0.09047	0.05071	-0.09657	0.03695	0.044228	0.34025	0.375235	4.62E-17	-0.03427
-0.06302	0.17394	-0.1075	0.02014	0.024683	0.59469	0.06579	0.15576	0.063308
0.243481	9.93E-08	0.465449	1.75E-26	0.184734	5.92E-05	0.429086	2.43E-22	0.398564
-0.06047	0.19208	0.053493	0.24862	0.089626	0.05292	0.256692	1.84E-08	-0.04691
-0.01555	0.73746	-0.0368	0.4275	0.088049	0.05726	0.16342	0.00039	0.18325
-0.1014	0.02845	-0.12634	0.00626	0.054667	0.23836	0.119398	0.00981	0.057987
0.033024	0.4765	-0.101	0.02909	-0.01041	0.82249	0.225601	8.40E-07	-0.14287
0.204031	8.82E-06	0.178116	0.00011	0.039266	0.39722	0.039673	0.39235	0.255025
-0.0513	0.26853	-0.07147	0.12302	0.160087	0.00052	0.185708	5.40E-05	0.205028
-0.03343	0.47114	-0.04041	0.38366	0.096305	0.03749	0.152082	0.00098	0.192347
-0.0927	0.04526	0.047861	0.30202	0.211246	4.13E-06	0.448127	1.90E-24	0.198665
0.005517	0.90535	-0.04562	0.32521	0.036735	0.42837	0.036469	0.43172	-0.00142
-0.05911	0.20227	0.010924	0.81386	0.080968	0.08048	0.172683	0.00018	0.034306
-0.0284	0.54043	-0.09809	0.03408	0.326906	4.31E-13	0.356654	1.87E-15	0.110785
0.12825	0.00551	0.067674	0.14423	0.320857	1.21E-12	0.229005	5.67E-07	0.033824
0.218774	1.81E-06	-0.01534	0.74089	0.155023	0.00078	-0.02058	0.65728	-0.01965
-0.23492	2.82E-07	-0.41088	1.90E-20	0.189065	3.92E-05	0.112341	0.01514	-0.01395
-0.03191	0.49146	-0.01454	0.75405	-0.00556	0.90468	-0.01308	0.77794	-0.03102
0.058316	0.20842	0.042628	0.35802	0.033772	0.46656	-0.02358	0.61133	-0.01956
0.014276	0.75832	-0.02993	0.51878	0.15173	0.001	0.007632	0.86935	0.11602
-0.07125	0.12415	-0.10601	0.02195	0.111465	0.01596	0.005409	0.9072	-0.01169
0.166234	0.00031	0.367464	2.24E-16	0.059913	0.19621	0.019167	0.67952	0.121532
0.185162	5.68E-05	0.068221	0.14101	0.058359	0.20809	-0.07218	0.11929	-0.0527
-0.07261	0.11712	-0.20743	6.19E-06	0.214804	2.81E-06	0.036425	0.43228	-0.01312
0.250467	4.12E-08	0.166547	0.0003	0.060771	0.18987	-0.05727	0.21672	0.017322
0.054034	0.24385	-0.09516	0.03983	0.265249	5.84E-09	0.339498	4.62E-14	0.142518
-0.013	0.7794	-0.21451	2.90E-06	0.131574	0.0044	0.116937	0.01144	0.212252
0.024272	0.60084	-0.038	0.41263	0.0164	0.72373	0.118315	0.0105	0.01037
0.004076	0.93	-0.08706	0.06013	-0.00899	0.84641	-0.01492	0.74776	-0.04647
0.243986	9.33E-08	0.300031	3.61E-11	-0.01083	0.81547	0.015284	0.74184	0.019664
0.139579	0.0025	-0.0453	0.32866	-0.07806	0.09201	-0.07174	0.12157	-0.03625
0.162741	0.00041	0.045727	0.32412	-0.01459	0.75309	-0.17803	0.00011	-0.09141
0.14979	0.00117	0.032609	0.48206	0.008221	0.85936	0.038924	0.40134	-0.05516
-0.10403	0.02457	-0.24444	8.82E-08	0.021004	0.65074	0.109631	0.01779	-0.04586
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0.02037	0.66061	-0.09397	0.04238	0.086969	0.06039	0.011898	0.79761	0.110707
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0.0244	0.59892	-0.13196	0.00428	-0.00974	0.83374	-0.10557	0.02251	0.07591
0.009581	0.83639	-0.01498	0.74682	-0.00598	0.89738	-0.0106	0.8193	0.072658
-0.15791	0.00062	-0.14626	0.00153	-0.02211	0.63364	-0.01675	0.71806	-0.15217
-0.06874	0.13801	-0.06475	0.16242	-0.02198	0.63566	-0.02449	0.5976	-0.0703
-0.01466	0.75202	0.111279	0.01614	0.017585	0.70467	0.034741	0.45387	0.088195

-0.10983	0.01759	-0.1156	0.01242	0.116872	0.01149	0.272158	2.25E-09	-0.00721
-0.05857	0.20644	-0.00479	0.91785	0.083824	0.07033	0.173947	0.00016	0.040984
0.069455	0.13394	0.051126	0.2702	0.068838	0.13744	0.068508	0.13934	0.077077
-0.07878	0.08903	-0.05435	0.24107	0.077646	0.09374	0.260594	1.09E-08	-0.02355
-0.04312	0.35247	-0.10985	0.01756	0.020597	0.65707	0.143077	0.00194	0.030329
-0.04212	0.36382	-0.10094	0.02918	0.017535	0.70547	0.161435	0.00046	-0.02135
-0.02045	0.65932	-0.0089	0.84793	0.011574	0.80302	-0.02936	0.52686	-0.04774
-0.07171	0.12172	-0.24011	1.50E-07	0.052858	0.25428	0.054533	0.23952	0.000744
0.071218	0.12433	0.029691	0.52214	-0.01967	0.67158	-0.05684	0.2202	0.0391
0.104675	0.02368	-0.15769	0.00063	0.015673	0.7355	-0.01597	0.73063	-0.01821
0.208711	5.41E-06	0.006624	0.88648	-0.03721	0.42247	-0.11636	0.01186	-0.14272
-0.01053	0.8204	0.174435	0.00015	0.037007	0.42496	0.119522	0.00973	0.384862
-0.00685	0.88267	0.077495	0.09438	0.025936	0.57611	0.001377	0.97632	0.130818
0.248103	5.56E-08	0.079008	0.08811	0.021902	0.63685	0.010603	0.81923	-0.01434
0.002809	0.95173	-0.19042	3.44E-05	-0.02069	0.65569	-0.12338	0.0076	-0.12196
0.124511	0.00706	-0.09709	0.03594	-0.01748	0.7064	-0.07607	0.1006	-0.03128
0.11657	0.0117	0.353996	3.11E-15	-0.06307	0.17363	0.000593	0.9898	-0.13918
-0.12591	0.00644	0.136201	0.00319	0.013107	0.77757	0.085142	0.06601	-0.08686
-0.04154	0.37042	-0.17658	0.00013	0.010041	0.82866	-0.0067	0.88516	0.090292
0.144701	0.00172	0.176353	0.00013	-0.01086	0.81493	-0.04263	0.35801	0.13518
-0.01386	0.7652	-0.2009	1.22E-05	0.025934	0.57614	0.00829	0.8582	0.089943
0.162272	0.00043	0.151552	0.00102	-0.03122	0.50087	0.015918	0.73153	-0.24475
-0.15237	0.00096	-0.2104	4.52E-06	0.077541	0.09419	0.280665	6.68E-10	0.1033
0.260281	1.14E-08	0.213316	3.30E-06	-0.01361	0.7693	-0.01622	0.7267	-0.01327
0.305636	1.49E-11	0.118384	0.01045	-0.00452	0.92247	-0.15245	0.00095	0.091165
-0.12579	0.00649	0.327734	3.73E-13	0.119717	0.00961	0.267074	4.55E-09	0.322199
-0.00148	0.97464	0.050694	0.27427	0.016227	0.72653	0.111866	0.01558	-0.07242
-0.09585	0.0384	-0.1774	0.00012	0.011477	0.80462	-0.0201	0.66483	-0.0801
0.030971	0.50436	0.100304	0.03022	0.023794	0.60803	0.26835	3.82E-09	0.009563
-0.00962	0.83581	-0.09683	0.03646	-0.00863	0.85248	-0.05546	0.23165	-0.10013
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-0.19597	2.00E-05	-0.29261	1.13E-10	0.011444	0.80518	0.237152	2.16E-07	-0.10845
-0.01217	0.79303	0.039037	0.39998	-0.01431	0.75782	0.027165	0.55816	0.00158
-0.02225	0.63153	0.007482	0.8719	-0.01484	0.74902	-0.00887	0.8484	-0.07281
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0.287588	2.41E-10	0.116845	0.01151	-0.0185	0.69008	-0.11864	0.01029	-0.159
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0.068994	0.13656	0.054064	0.24359	0.089972	0.05201	0.27739	1.07E-09	0.355967
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0.119092	0.01	-0.00439	0.92464	0.009862	0.83167	-0.04788	0.30182	-0.02493
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-0.043	0.35384	-0.10901	0.01845	-0.00523	0.91021	-0.00866	0.85195	-0.02206
0.05834	0.20824	-0.09704	0.03605	-0.01002	0.82907	-0.00613	0.89494	-0.0421
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0.034764	0.45357	-0.02249	0.6278	-0.02213	0.63341	-0.06843	0.1398	-0.0292
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0.049652	0.28427	0.049704	0.28376	-0.0342	0.46099	-0.0614	0.18529	0.089433
0.046585	0.31511	0.064352	0.16502	-0.03686	0.42675	-0.06793	0.14273	0.125663
-0.09557	0.03897	-0.23357	3.31E-07	0.025346	0.58483	0.090064	0.05177	0.013095
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0.107028	0.0207	0.177543	0.00011	-0.01964	0.67211	-0.06401	0.16727	-0.01487
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0.156457	0.00069	0.26879	3.59E-09	0.027825	0.54863	0.106651	0.02116	0.048752
-0.07785	0.0929	-0.30816	9.91E-12	0.013994	0.76294	-0.03579	0.4403	-0.01842
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0.038141	0.4109	-0.159	0.00056	-0.00349	0.94009	0.015065	0.74541	-0.06309
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-0.0728	0.11616	0.262641	8.31E-09	0.157206	0.00065	0.497051	1.64E-30	0.165322
-0.10411	0.02445	-0.38712	3.81E-18	0.140912	0.00227	0.095932	0.03823	0.301912
-0.01153	0.80381	0.022755	0.62379	-0.01914	0.67995	-0.04251	0.35938	-0.04291
0.063465	0.17094	0.190931	3.28E-05	0.049738	0.28343	0.083169	0.07256	0.021933
-0.04069	0.38032	-0.31614	2.68E-12	-0.03318	0.47441	-0.12519	0.00675	-0.05423
0.042686	0.35737	0.093979	0.04236	0.046135	0.31981	0.033462	0.47067	0.174161
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0.167335	0.00028	0.282559	5.07E-10	-0.04191	0.36619	-0.0211	0.64931	-0.04915
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-0.0245	0.59735	0.101458	0.02836	0.056136	0.22597	0.171085	0.0002	0.387749
-0.1954	2.12E-05	-0.40411	8.98E-20	-0.0416	0.36971	-0.07632	0.0995	-0.14765
-0.06178	0.1826	-0.06673	0.14993	-0.00682	0.88315	0.007783	0.86679	-0.03801
-0.02073	0.655	-0.1699	0.00023	0.04123	0.37402	0.017542	0.70536	0.047551
0.16065	0.00049	0.206286	6.98E-06	-0.02018	0.66356	0.041733	0.36821	-0.14036
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-0.03853	0.40609	-0.01702	0.71375	0.037542	0.41828	0.072276	0.11882	-0.01962
-0.09378	0.04281	-0.08217	0.07607	0.087425	0.05905	0.249242	4.81E-08	0.021095
-0.03756	0.41803	-0.14405	0.0018	0.066155	0.15348	0.073177	0.11428	0.128426
-0.21067	4.39E-06	-0.35551	2.33E-15	-0.05285	0.25436	-0.17197	0.00019	-0.00427
-0.05676	0.22088	-0.2524	3.21E-08	-0.04721	0.30865	0.033506	0.47009	-0.0839
-0.06807	0.14188	-0.37485	5.01E-17	-0.02217	0.63269	-0.12711	0.00595	-0.11683
-0.08825	0.05669	-0.11739	0.01112	0.055559	0.23078	0.030751	0.50739	0.176888
-0.10591	0.02208	-0.14832	0.00131	-0.04101	0.37661	0.012565	0.78654	-0.08693
0.078657	0.08953	0.047123	0.30955	0.128359	0.00547	0.024961	0.59054	0.242556
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0.141616	0.00216	0.123091	0.00774	0.14987	0.00116	0.113807	0.01386	0.344399
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0.138354	0.00273	0.138441	0.00272	0.012103	0.7942	0.021476	0.64343	0.013772
0.191075	3.23E-05	0.042041	0.36469	0.081841	0.07726	0.004464	0.92335	0.274253
-0.22919	5.55E-07	-0.48356	9.69E-29	-0.06018	0.19422	-0.17515	0.00014	-0.25156
-0.07822	0.09133	-0.10649	0.02135	0.065622	0.15683	0.118117	0.01063	0.018381
0.030284	0.51386	0.146918	0.00145	0.014612	0.75281	-0.02171	0.63974	0.104347
0.070453	0.12843	-0.07123	0.12428	-0.01727	0.70964	-0.01801	0.69795	-0.10793
-0.10406	0.02452	-0.03272	0.48051	0.018195	0.69492	0.123783	0.0074	0.14889
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-0.08928	0.05386	-0.07109	0.12503	-0.0093	0.84109	0.024588	0.5961	-0.01527
0.00027	0.99536	-0.08736	0.05924	0.022622	0.62582	0.015338	0.74096	0.054193
0.095145	0.03985	0.281869	5.61E-10	-0.02639	0.56942	-0.06788	0.143	-0.15145
0.263165	7.75E-09	-0.10968	0.01773	-0.00484	0.91686	-0.07537	0.1038	-0.05898
-0.10295	0.0261	-0.20388	8.96E-06	0.005458	0.90637	-0.07336	0.11337	-0.02056
0.196841	1.83E-05	0.244527	8.72E-08	0.071475	0.12297	0.146611	0.00149	0.277542
0.046041	0.3208	-0.1062	0.02172	0.017774	0.70165	-0.02389	0.60657	-0.05529
0.16506	0.00034	0.062581	0.17699	0.173587	0.00016	0.034936	0.45134	0.410969
-0.061	0.18817	0.020073	0.66526	-0.01493	0.74755	-0.01449	0.75475	-0.02354
0.059668	0.19805	0.013798	0.76617	0.022281	0.63104	0.043095	0.35277	0.005533
-0.04338	0.34963	-0.04412	0.34148	0.11499	0.0129	0.194933	2.22E-05	0.301735
0.232996	3.55E-07	0.200846	1.22E-05	0.030275	0.51398	-0.00166	0.97142	0.105456
0.22426	9.79E-07	0.406876	4.78E-20	0.036535	0.43089	0.030023	0.5175	0.185807
0.076731	0.09769	-0.07827	0.09112	0.032727	0.48049	-0.0192	0.67897	-0.01178
0.146757	0.00147	-0.059	0.20314	0.028396	0.54046	-0.03078	0.50701	0.062216
-0.09662	0.03687	-0.35436	2.91E-15	0.063467	0.17093	-0.07776	0.09327	0.026324
-0.09167	0.04771	-0.38377	7.78E-18	0.007048	0.87927	-0.08583	0.06383	-0.10687
-0.17793	0.00011	-0.36646	2.74E-16	0.074698	0.10693	0.06151	0.18453	0.040197
-0.02132	0.64578	-0.06866	0.13844	0.112791	0.01474	0.146325	0.00152	0.370416
0.035182	0.44816	-0.01398	0.76323	0.103536	0.02526	0.125318	0.0067	0.41391
-0.05316	0.25157	0.035383	0.44557	0.03014	0.51586	0.162855	0.00041	0.074416
0.151363	0.00103	0.176639	0.00012	0.043627	0.34685	-0.06225	0.17928	0.050215
-0.14887	0.00125	-0.24141	1.28E-07	-0.02035	0.66095	-0.04041	0.3836	-0.00187
-0.01438	0.75667	0.258405	1.46E-08	0.030063	0.51693	0.114389	0.01338	0.014597
-0.05685	0.22014	-0.04081	0.37889	-0.00173	0.97032	0.020239	0.66266	0.000619
-0.0413	0.37317	0.023212	0.61684	0.009005	0.84611	0.05081	0.27318	-0.05149
0.192223	2.89E-05	0.34083	3.63E-14	0.076911	0.0969	0.164328	0.00036	0.087251
0.057417	0.21554	0.044182	0.34075	0.003834	0.93415	-0.0243	0.60044	0.04593
0.269844	3.10E-09	0.171996	0.00019	0.005283	0.90935	-0.09288	0.04484	0.053879
0.184743	5.91E-05	-0.16815	0.00026	0.003288	0.94351	-0.03847	0.40691	0.138855
-0.19226	2.88E-05	-0.26179	9.32E-09	-0.02289	0.62169	-0.00902	0.84582	-0.12279
0.12316	0.00771	-0.00179	0.96924	-0.00666	0.88588	-0.03872	0.40378	-0.15794
-0.05098	0.27155	-0.03121	0.50107	-0.01941	0.67567	-0.0296	0.52345	-0.09604
-0.08279	0.07388	-0.24509	8.13E-08	0.11777	0.01086	0.191152	3.21E-05	0.275898
-0.04401	0.34258	-0.24453	8.72E-08	0.037914	0.41368	0.168148	0.00026	-0.05803
-0.11832	0.01049	0.01281	0.78247	0.142237	0.00206	0.262263	8.75E-09	-0.00652
0.122299	0.00815	-0.34191	2.98E-14	0.020369	0.66063	0.070603	0.12762	-0.10192

-0.09295	0.04468	-0.27725	1.09E-09	0.002124	0.96349	-0.05388	0.2452	-0.09023
0.256948	1.77E-08	0.126108	0.00636	0.053206	0.25117	0.056164	0.22574	0.259781
0.008079	0.86177	-0.09943	0.03169	0.075371	0.10379	0.094216	0.04184	0.175385
-0.07031	0.12921	0.037815	0.41491	0.023315	0.61528	-0.00174	0.97014	0.117159
-0.23606	2.46E-07	-0.21538	2.64E-06	0.047001	0.31081	0.14988	0.00116	0.073448
0.218893	1.79E-06	0.23262	3.71E-07	0.01433	0.75743	-0.08946	0.05336	0.050654
-0.06557	0.15714	-0.41978	2.33E-21	-0.04689	0.31198	-0.19433	2.35E-05	-0.25222
0.108689	0.0188	0.02123	0.64723	-0.00482	0.91726	-0.06325	0.17242	0.001772
0.121686	0.00848	0.259236	1.31E-08	0.012852	0.78177	0.077238	0.09549	0.168628
0.002042	0.9649	-0.00976	0.83335	0.02595	0.5759	0.097896	0.03443	0.158764
-0.13788	0.00283	-0.32958	2.71E-13	-0.01131	0.80739	-0.01803	0.69763	-0.08661
-0.04882	0.29247	0.03087	0.50575	-0.02589	0.57672	0.11043	0.01697	-0.04876
0.127853	0.00566	-0.33046	2.32E-13	-0.01804	0.69746	-0.09063	0.0503	-0.11414
-0.04274	0.35671	-0.15513	0.00077	-0.00116	0.98003	0.005	0.91418	-0.04233
-0.10106	0.02899	-0.3144	3.57E-12	-0.0005	0.99134	-0.0408	0.379	0.002181
-0.11966	0.00965	-0.33547	9.55E-14	-0.02231	0.63065	-0.03302	0.47658	-0.11094
-0.08907	0.05441	-0.13051	0.00473	0.011884	0.79785	0.030839	0.50618	0.142052
-0.09725	0.03564	-0.04558	0.32572	0.012659	0.78497	0.070996	0.12551	0.119192
-0.11082	0.01658	-0.34654	1.27E-14	-0.02802	0.54582	-0.02287	0.62208	-0.09406
-0.06393	0.16781	-0.05928	0.20096	0.011427	0.80547	0.094858	0.04046	0.118422
-0.03306	0.47608	-0.06383	0.1685	-0.01637	0.72413	0.021817	0.63817	-0.04351
-0.08123	0.07949	-0.22017	1.55E-06	-0.0226	0.62618	0.006247	0.8929	-0.05471
-0.06136	0.18557	-0.10963	0.01779	-0.01706	0.71316	-0.00962	0.83574	0.063976
-0.00444	0.92376	-0.14977	0.00117	0.007255	0.87575	-0.00962	0.8358	-0.01585
-0.05692	0.21951	-0.07529	0.10417	-0.01328	0.77469	-0.00302	0.94805	-0.02224
0.021394	0.64469	0.031159	0.50176	-0.02555	0.58178	-0.03625	0.4345	-0.02838
0.000198	0.99659	-0.13828	0.00275	0.034576	0.45602	-0.01491	0.74798	-0.04428
-0.08293	0.07338	-0.20014	1.32E-05	-0.00431	0.926	0.002803	0.95183	-0.04239
-0.02043	0.65969	0.018971	0.6826	0.034477	0.45732	0.102705	0.02646	-0.00836
-0.05041	0.27696	-0.12542	0.00665	-0.00971	0.83415	-0.02097	0.65129	-0.05279
-0.03704	0.42457	-0.17431	0.00015	-0.0165	0.72217	-0.02371	0.60932	-0.0493
-0.10405	0.02454	-0.24306	1.05E-07	-0.01152	0.80386	0.001137	0.98044	-0.08625
0.030727	0.50771	-0.04697	0.31114	0.001278	0.97802	0.023304	0.61544	-0.04035
0.020497	0.65863	-0.08587	0.06372	-0.00739	0.87337	-0.09659	0.03692	1.16E-05
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-0.06409	0.16678	-0.20281	1.00E-05	-0.02861	0.53738	-0.06053	0.19164	-0.01864
-0.07702	0.09641	-0.27481	1.55E-09	-0.03333	0.47237	-0.02584	0.57752	-0.02416
0.174905	0.00015	0.320901	1.20E-12	-0.03046	0.51145	-0.09686	0.0364	-0.11014
0.129801	0.00496	0.267565	4.25E-09	0.007578	0.87026	-0.0354	0.44535	0.022112
-0.20133	1.16E-05	-0.45483	3.19E-25	-0.08278	0.07392	-0.14583	0.00158	-0.1423
-0.03509	0.44941	0.042296	0.36178	0.011618	0.80228	0.028653	0.5368	0.029885
0.003482	0.94018	0.383452	8.33E-18	0.037448	0.41945	0.123476	0.00755	0.081878
0.152162	0.00097	0.092075	0.04674	0.02783	0.54856	-0.0074	0.87322	0.08576
0.018547	0.68933	-0.15598	0.00072	-0.02541	0.58383	-0.17332	0.00017	-0.05016
-0.12786	0.00566	-0.01588	0.73207	-0.00375	0.93561	0.040272	0.38522	0.125857

0.228428	6.06E-07	0.159873	0.00052	-0.0387	0.40401	-0.13749	0.00291	-0.10458
-0.02316	0.61769	-0.17925	9.83E-05	-0.0338	0.46623	-0.04377	0.34529	-0.06102
-0.11818	0.01059	-0.27246	2.16E-09	0.002078	0.96429	-0.05417	0.24268	-0.13383
-0.04856	0.29496	-0.02036	0.66072	-0.05968	0.19796	-0.08442	0.06835	-0.07044
-0.14934	0.00121	-0.1128	0.01474	0.045458	0.32697	0.087429	0.05904	0.198422
-0.00152	0.97394	-0.1335	0.00385	-0.05537	0.23233	-0.09923	0.03204	-0.13812
-0.14714	0.00143	-0.45838	1.22E-25	-0.01135	0.80671	-0.12475	0.00695	-0.13734
-0.16208	0.00044	-0.03583	0.43989	-0.00988	0.83144	0.143026	0.00195	-0.12322
0.143666	0.00186	-0.11703	0.01137	0.054136	0.24296	0.133639	0.00381	0.219458
-0.10711	0.02061	-0.28586	3.12E-10	0.039884	0.38983	0.023596	0.61102	0.104434
-0.17072	0.00021	-0.20815	5.74E-06	-0.04443	0.33805	-0.05125	0.26906	-0.0965
0.097173	0.03579	0.166943	0.00029	-0.00098	0.98323	-0.01719	0.71103	0.074122
-0.17879	0.0001	0.051098	0.27046	0.03897	0.40079	0.120976	0.00887	0.088572
-0.08665	0.06133	-0.23381	3.22E-07	0.014733	0.75083	-0.02466	0.5951	-0.02151
0.339614	4.53E-14	0.490718	1.14E-29	-0.05016	0.27936	-0.06949	0.13375	0.068607
-0.08352	0.07135	-0.2495	4.65E-08	0.011218	0.80895	-0.0184	0.69164	-0.04363
0.049896	0.28191	0.251434	3.64E-08	-0.01642	0.72342	-0.02864	0.53694	0.000871
-0.02041	0.65992	-0.17283	0.00017	-0.03252	0.48321	-0.09559	0.03894	-0.16447
0.055399	0.23213	-0.09856	0.03323	-0.00651	0.88839	-0.03475	0.4538	-0.1832
0.156029	0.00072	0.367207	2.36E-16	0.015343	0.74088	-0.10053	0.02984	0.150803
-0.13776	0.00285	-0.21036	4.54E-06	0.070556	0.12787	0.088525	0.05592	0.23187
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-0.11941	0.0098	-0.22752	6.73E-07	0.060545	0.19152	0.055564	0.23074	0.138747
0.159626	0.00054	0.364501	4.04E-16	0.03562	0.44253	0.026207	0.57213	0.076449
0.174584	0.00015	-0.03228	0.48645	0.002552	0.95614	-0.09804	0.03417	-0.04195
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-0.10339	0.02546	-0.34142	3.26E-14	0.013868	0.76501	-0.02243	0.62878	0.163034
0.095576	0.03896	0.108059	0.0195	0.036049	0.43705	0.077296	0.09524	0.123308
-0.19547	2.10E-05	-0.24088	1.37E-07	0.147396	0.0014	0.38274	9.68E-18	0.326366
-0.12044	0.00918	-0.14695	0.00145	-0.03863	0.40488	0.000572	0.99017	0.060801
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0.14607	0.00155	0.032362	0.48539	0.043142	0.35224	-0.05221	0.26019	0.180305
0.106277	0.02162	0.197636	1.69E-05	-0.06488	0.1616	-0.0944	0.04143	-0.03335
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0.199396	1.42E-05	0.219451	1.68E-06	-0.00038	0.99347	-0.02506	0.58904	-0.07304
0.020024	0.66602	-0.10613	0.02181	-0.01145	0.80514	-0.0758	0.10185	-0.10584
0.081189	0.07965	0.156163	0.00071	-0.07419	0.10934	-0.13776	0.00285	-0.06052
0.155683	0.00074	-0.07262	0.11704	-0.01439	0.75643	-0.13779	0.00285	-0.02953
0.082368	0.07537	-0.19891	1.49E-05	-0.05275	0.25526	-0.0941	0.0421	-0.08403
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0.140503	0.00234	0.065996	0.15447	0.087707	0.05823	0.10784	0.01975	0.201505
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-0.01633	0.72493	-0.22236	1.21E-06	0.002898	0.9502	-0.03227	0.48667	-0.0541
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0.034677	0.4547	0.18639	5.06E-05	-0.03002	0.51756	-0.05446	0.24019	-0.16969
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0.235923	2.50E-07	0.052949	0.25347	-0.07269	0.11673	-0.1782	0.00011	-0.2901
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0.012528	0.78715	-0.03214	0.48837	0.010144	0.82694	-0.09106	0.04923	0.035195
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-0.15173	0.001	-0.1938	2.48E-05	0.019773	0.66996	0.031245	0.50059	0.054909
-0.13892	0.00262	-0.29777	5.13E-11	-0.01694	0.71494	0.008736	0.85066	-0.14634
-0.00037	0.99369	0.054265	0.24184	-0.03619	0.43532	-0.03514	0.44872	0.011765
-0.04666	0.31435	0.038414	0.40755	0.156082	0.00071	0.291653	1.31E-10	0.347519
0.189756	3.67E-05	0.255049	2.28E-08	-0.01662	0.72023	0.072499	0.11768	-0.15056
0.016705	0.71881	-0.20263	1.02E-05	0.007431	0.87275	-0.01288	0.78129	-0.14876
-0.02517	0.58742	0.067918	0.14279	-0.01329	0.77447	-0.07613	0.10033	-0.07187
-0.03708	0.42407	-0.0104	0.8227	-0.03147	0.49754	-0.12812	0.00556	-0.13212
0.084243	0.06893	-0.18243	7.34E-05	-0.01511	0.74474	-0.05436	0.24102	-0.08283
-0.17858	0.0001	-0.23706	2.18E-07	0.110111	0.01729	0.218924	1.78E-06	0.393212
0.089237	0.05397	0.170075	0.00022	-0.04683	0.31258	-0.03782	0.41483	-0.17739
0.024415	0.5987	0.074024	0.11014	0.006518	0.88828	0.099538	0.03151	0.101835
0.041377	0.37231	0.033023	0.47652	0.003574	0.93861	0.123445	0.00757	-0.07068
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0.144209	0.00178	0.180501	8.76E-05	0.031687	0.49455	0.186178	5.17E-05	0.063719
0.193941	2.44E-05	-0.05945	0.19972	-0.07423	0.10916	-0.05955	0.19891	-0.16446
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0.026399	0.56932	-0.00909	0.84472	0.016541	0.72145	0.003471	0.94036	0.036243
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0.031524	0.49678	-0.03178	0.4933	0.009179	0.84318	-0.00348	0.94025	-0.08933
0.047676	0.3039	0.48564	5.23E-29	0.033186	0.47434	0.225966	8.05E-07	0.082252
0.255109	2.26E-08	0.419782	2.33E-21	-0.02742	0.55448	-0.00514	0.91187	-0.09535
-0.11685	0.0115	-0.36247	6.03E-16	0.010784	0.81621	0.01337	0.77322	-0.01286
0.097909	0.03441	-0.19397	2.43E-05	0.027032	0.56009	-0.05264	0.25626	-0.0281
0.082397	0.07526	0.270677	2.76E-09	0.095144	0.03986	0.162053	0.00044	0.38097
0.225464	8.53E-07	-0.37066	1.18E-16	-0.09912	0.03223	-0.2557	2.09E-08	-0.25484
0.025382	0.5843	-0.26949	3.26E-09	-0.00082	0.9859	-0.12098	0.00887	0.09061
0.055237	0.2335	-0.04769	0.30379	-0.01964	0.67213	-0.02756	0.55245	0.03777
0.19494	2.21E-05	0.281964	5.53E-10	0.073779	0.11132	0.016415	0.72348	0.273394
-0.02368	0.60976	-0.07832	0.0909	0.051174	0.26975	0.07853	0.09005	0.217259
0.160056	0.00052	0.284997	3.54E-10	0.024187	0.60212	-0.00056	0.99032	0.026007

0.029101	0.53045	-0.03518	0.44819	-0.0277	0.55048	-0.05436	0.24099	0.006648
-0.03418	0.46126	-0.19746	1.72E-05	0.02716	0.55823	-0.03248	0.48376	0.061625
0.290041	1.67E-10	0.237249	2.13E-07	-0.07616	0.10021	-0.0727	0.11667	-0.24814
-0.15975	0.00053	-0.13062	0.00469	0.04071	0.38008	0.221833	1.29E-06	-0.03036
-0.02228	0.63102	-0.04117	0.37469	0.078999	0.08814	0.258913	1.37E-08	0.120779
-0.05234	0.25897	0.043019	0.35362	-0.00702	0.87966	0.088909	0.05486	0.159057
-0.05625	0.225	-0.15983	0.00053	0.028025	0.54577	0.074036	0.11008	0.008567
-0.06153	0.18439	-0.12909	0.00521	-0.06875	0.13797	-0.11458	0.01323	-0.00581
-0.04169	0.36867	-0.08681	0.06086	-0.00019	0.99668	-0.02758	0.55218	-0.03096
-0.14309	0.00194	-0.05956	0.19888	0.105523	0.02257	0.17206	0.00019	0.002505
0.010478	0.82133	-0.02823	0.54289	0.089279	0.05385	0.103219	0.02571	0.197159
-0.04536	0.32803	-0.12796	0.00562	0.010245	0.82525	-0.01163	0.80212	-0.05285
0.049069	0.28997	0.359115	1.16E-15	0.036719	0.42856	0.038992	0.40052	0.100052
0.194015	2.43E-05	0.368546	1.80E-16	0.014134	0.76065	0.012337	0.79031	-0.04071
-0.08318	0.07252	0.065332	0.15867	-0.03517	0.44831	-0.07296	0.11538	0.098941
0.197003	1.80E-05	0.289451	1.83E-10	0.009183	0.84311	-0.02468	0.59469	0.002534
0.118792	0.01019	0.085411	0.06516	-0.02662	0.56612	0.010137	0.82706	-0.12529
0.167187	0.00028	0.480612	2.30E-28	0.04215	0.36344	0.134485	0.00359	0.213359
-0.06584	0.15545	0.134343	0.00363	0.000443	0.99238	0.045621	0.32524	0.286415
-0.02694	0.56141	-0.04136	0.37255	0.004898	0.91593	-0.00544	0.9066	0.023358
-0.02763	0.55147	-0.01735	0.70836	0.012631	0.78544	-0.00797	0.8636	-0.01356
0.058327	0.20834	0.025431	0.58357	-0.11176	0.01568	-0.25298	2.98E-08	-0.34656
0.049956	0.28133	0.224669	9.34E-07	0.025044	0.58931	0.108401	0.01912	0.058373
0.091571	0.04796	-0.05874	0.20509	0.07715	0.09587	0.088319	0.05649	0.157095
-0.23499	2.80E-07	-0.38309	8.99E-18	0.1013	0.02861	0.067956	0.14257	0.232248
-0.12489	0.00689	-0.43311	8.93E-23	-0.03306	0.47605	-0.13901	0.00261	-0.1444
-0.01848	0.69039	-0.08419	0.06912	-0.00226	0.96117	-0.02427	0.60081	0.100171
0.049153	0.28915	0.098546	0.03325	0.008674	0.85171	0.018949	0.68296	0.105208
-0.04041	0.38362	-0.32037	1.32E-12	-0.03443	0.45796	-0.14169	0.00215	-0.17835
-0.11792	0.01076	-0.35561	2.29E-15	-0.01458	0.75332	-0.06418	0.16614	-0.01337
0.128632	0.00537	-0.0114	0.80588	-0.0116	0.80257	-0.02153	0.6426	0.059533
0.022792	0.62323	-0.03734	0.42078	0.067134	0.14747	0.196726	1.85E-05	0.192816
0.062447	0.17792	0.013222	0.77566	-0.01915	0.67979	-0.04227	0.36203	-0.01429
-0.04525	0.32916	-0.09216	0.04654	-0.02917	0.52941	-0.02347	0.613	0.005696
-0.04132	0.37297	-0.07054	0.12799	0.05532	0.2328	-0.07595	0.10115	0.018466
-0.00949	0.83796	-0.03172	0.49412	0.021294	0.64624	-0.02303	0.61956	0.007143
-0.27366	1.82E-09	-0.3026	2.41E-11	-0.02322	0.61672	0.088729	0.05535	-0.26629
0.031482	0.49734	-0.16774	0.00027	0.002373	0.95921	0.035276	0.44695	-0.0226
0.189402	3.80E-05	-0.19638	1.92E-05	0.053525	0.24833	-0.03831	0.40876	0.110921
-0.117	0.0114	-0.20544	7.62E-06	-0.08218	0.07605	-0.07896	0.0883	-0.09686
-0.10551	0.02258	-0.25105	3.82E-08	-0.01229	0.79115	-0.06689	0.14893	-0.1046
0.007653	0.86898	-0.0615	0.18459	0.072647	0.11693	0.06311	0.17335	0.003165
0.008691	0.85141	0.10515	0.02306	0.096042	0.03801	0.186359	5.08E-05	0.134667
-0.00141	0.97571	-0.05404	0.24378	0.013623	0.76905	-0.06677	0.14965	-0.11822
0.115146	0.01278	-0.17786	0.00011	0.025001	0.58995	0.077686	0.09357	-0.19196

-0.0276	0.55192	-0.24551	7.71E-08	-0.01158	0.80299	-0.05238	0.25865	-0.21369
0.082793	0.07387	0.252551	3.15E-08	0.057235	0.217	0.147347	0.00141	0.226469
0.044467	0.33764	-0.05244	0.25811	-0.01655	0.72134	-0.09449	0.04125	-0.04237
-0.03492	0.45158	0.312288	5.06E-12	0.006651	0.88602	0.141975	0.0021	-0.02585
-0.00483	0.91706	0.018614	0.68826	-0.02428	0.60076	-0.06228	0.17907	-0.03555
-0.1757	0.00014	-0.15206	0.00098	0.040856	0.37836	0.027953	0.5468	-0.07437
0.05699	0.21897	0.133932	0.00374	-0.02074	0.65489	0.001808	0.96892	-0.12637
-0.12483	0.00691	-0.22627	7.78E-07	0.006517	0.8883	0.065595	0.157	-0.05768
-0.14312	0.00193	-0.04463	0.33589	0.01675	0.71808	0.06617	0.15338	-0.04951
-0.17545	0.00014	-0.28386	4.19E-10	0.012283	0.79121	-0.02256	0.62682	-0.12053
-0.0364	0.43265	-0.06143	0.18512	0.042376	0.36087	0.011026	0.81216	-0.0439
-0.19479	2.25E-05	-0.22323	1.10E-06	0.000946	0.98374	0.021134	0.64873	-0.06392
0.088872	0.05496	0.197063	1.79E-05	0.087873	0.05776	0.207709	6.01E-06	0.391183
-0.00332	0.94291	0.066853	0.14918	0.013097	0.77772	0.006168	0.89425	0.061627
0.195848	2.02E-05	0.105735	0.0223	0.043833	0.34458	0.017448	0.70686	0.290922
0.221957	1.27E-06	0.127669	0.00573	-0.03582	0.44002	-0.14306	0.00194	0.032555
-0.11771	0.01091	-0.28467	3.72E-10	0.011273	0.80804	0.067938	0.14267	0.013548
0.001464	0.97482	-0.035	0.45051	-0.02781	0.54892	-0.0178	0.70117	-0.03211
-0.04192	0.36606	-0.02561	0.58095	-0.03743	0.4197	-0.07146	0.12307	-0.12585
0.021799	0.63844	0.035235	0.44748	0.01998	0.66671	-0.0556	0.2304	-0.07883
-0.01688	0.71592	-0.04962	0.28456	-0.05939	0.20013	-0.09929	0.03193	-0.08827
0.041734	0.3682	0.068095	0.14175	-0.04106	0.37601	-0.06217	0.17988	-0.0019
0.049052	0.29014	0.088326	0.05647	-0.02076	0.65456	-0.06671	0.15007	-0.10144
0.037628	0.41722	0.06648	0.15146	-0.03019	0.51522	-0.06931	0.13474	0.023293
-0.02251	0.62748	-0.10279	0.02633	-0.04685	0.31238	-0.09497	0.04023	-0.1265
-0.00306	0.94734	-0.05303	0.25275	0.067107	0.14763	0.099352	0.03183	0.225666
0.23655	2.32E-07	0.207023	6.46E-06	0.062626	0.17668	0.214972	2.76E-06	0.253809
0.128133	0.00555	-0.00343	0.941	0.006044	0.89636	-0.06615	0.15349	-0.04134
-0.01384	0.7655	-0.14823	0.00132	0.10542	0.0227	0.401249	1.72E-19	0.168189
0.209097	5.19E-06	0.055022	0.23533	0.017246	0.71011	0.098837	0.03273	-0.20475
-0.02101	0.65072	0.038947	0.40107	0.124658	0.00699	0.343556	2.20E-14	0.034295
-0.11711	0.01132	-0.19504	2.19E-05	0.035741	0.44098	-0.01708	0.71281	-0.09602
0.135593	0.00333	0.390529	1.83E-18	0.024735	0.59392	0.091265	0.04871	0.214823
0.067259	0.14672	0.277876	9.99E-10	0.068579	0.13893	0.112814	0.01472	0.26791
-0.15586	0.00073	-0.11693	0.01145	-0.05745	0.21527	-0.06621	0.15316	-0.03339
0.135509	0.00335	0.174675	0.00015	0.024151	0.60266	0.019498	0.67429	0.125288
0.024166	0.60243	-0.10778	0.01982	0.057682	0.21342	0.053661	0.24713	-0.00939
-0.07339	0.11321	0.022769	0.62358	0.036202	0.4351	0.078063	0.09199	0.148364
0.012955	0.78007	-0.0911	0.04913	0.026436	0.56878	0.023002	0.62003	0.034703
0.053394	0.24949	0.041151	0.37493	0.016057	0.72927	0.092218	0.0464	0.077053
0.041105	0.37547	0.035194	0.44801	0.007987	0.86333	-0.01238	0.78959	-0.0433
-0.03404	0.46298	-0.16341	0.00039	0.075837	0.10167	0.093366	0.04373	0.01026
-0.01503	0.74592	-0.24111	1.33E-07	0.019654	0.67184	0.008099	0.86143	-0.07644
0.101956	0.02759	0.335308	9.83E-14	0.100926	0.0292	0.146683	0.00148	0.288019
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-0.04418	0.34078	-0.08219	0.07601	0.060014	0.19545	0.063665	0.16959	0.254122
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0.066061	0.15407	-0.19156	3.08E-05	0.002651	0.95444	-0.11652	0.01174	0.037987
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-0.10706	0.02067	-0.14189	0.00212	0.033399	0.47151	-0.00351	0.93972	-0.06497
-0.01924	0.67843	-0.14483	0.0017	0.022566	0.62668	-0.01667	0.7193	0.038416
-0.01075	0.81676	-0.12594	0.00643	0.019432	0.67533	-0.01591	0.73159	0.034649
-0.0316	0.49567	-0.09092	0.04958	0.110156	0.01725	0.179237	9.84E-05	0.07505
-0.11991	0.0095	-0.10581	0.02221	0.006481	0.8889	0.102889	0.02619	-0.04054
-0.06096	0.18849	-0.16001	0.00052	-0.04126	0.37372	0.011092	0.81106	-0.18916
0.032783	0.47973	0.026981	0.56083	0.031	0.50395	0.134174	0.00367	0.008309
-0.20294	9.88E-06	-0.1824	7.36E-05	-0.00253	0.95651	-0.00716	0.87735	0.049841
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0.095974	0.03815	-0.16407	0.00037	0.012489	0.78779	-0.02284	0.62253	-0.04434
0.027808	0.54888	-0.18806	4.32E-05	0.019999	0.66642	-0.08413	0.0693	-0.03621
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-0.1029	0.02617	0.225534	8.46E-07	-0.01589	0.73199	0.025241	0.58639	-0.13457
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0.147542	0.00139	0.115294	0.01266	0.0953	0.03953	0.230373	4.83E-07	0.325783
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0.108142	0.01941	-0.07206	0.11992	-0.01023	0.82544	-0.09984	0.031	-0.08617
-0.13039	0.00477	-0.35666	1.87E-15	-0.03419	0.46107	-0.06394	0.16773	-0.08304
-0.00517	0.9112	-0.12381	0.00739	0.028604	0.53749	-0.02119	0.6479	0.025436
-0.04463	0.33587	-0.3535	3.42E-15	0.014732	0.75085	0.001685	0.97103	-0.06067
0.048726	0.29336	-0.08966	0.05283	0.05524	0.23347	-0.03789	0.41396	0.231901
-0.08936	0.05364	-0.38525	5.69E-18	0.018441	0.69102	-0.02365	0.61023	0.018596
-0.21851	1.87E-06	-0.07056	0.12788	-0.02103	0.65038	0.003263	0.94393	-0.00982
-0.05416	0.24274	-0.2099	4.77E-06	0.035232	0.44751	-0.03885	0.40221	-0.20287
0.030596	0.50952	-0.00799	0.86323	0.123009	0.00779	0.11551	0.01249	0.114643
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-0.01881	0.68523	-0.11891	0.01011	0.059539	0.19902	0.033399	0.4715	0.170065
-0.2564	1.91E-08	-0.52628	1.25E-34	-0.04472	0.3349	-0.00337	0.94215	-0.13564
0.023344	0.61483	0.166217	0.00031	0.034592	0.45582	-0.03688	0.42652	0.062923
0.006061	0.89608	0.184025	6.32E-05	-0.02833	0.54141	0.00801	0.86294	-0.03823
0.112933	0.01462	0.023238	0.61645	-0.03767	0.41669	-0.07808	0.09193	-0.03816
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0.180368	8.87E-05	0.145832	0.00158	0.00423	0.92736	-0.07194	0.12057	0.049594
0.018943	0.68305	-0.1022	0.02721	0.060015	0.19545	0.041547	0.37034	0.308168
-0.00612	0.89513	0.044367	0.33873	0.018642	0.68783	0.02955	0.52412	0.121813
-0.08047	0.08237	-0.28621	2.96E-10	-0.01172	0.80057	-0.06975	0.13228	-0.07094
-0.10083	0.02935	-0.23554	2.62E-07	-0.04166	0.36903	-0.08141	0.07883	-0.15662
0.369032	1.63E-16	0.442915	7.38E-24	-0.0197	0.67113	-0.00249	0.95718	0.001047
-0.07921	0.08728	-0.01647	0.72255	-0.00822	0.85932	0.052829	0.25454	0.090041
-0.07215	0.11946	-0.14963	0.00118	-0.0176	0.70437	-0.0638	0.16869	-0.03422

-0.07794	0.09252	-0.16373	0.00038	-0.01768	0.70315	-0.06967	0.13274	-0.05123
0.199287	1.43E-05	0.326472	4.64E-13	0.002145	0.96312	0.040702	0.38016	0.052539
0.010366	0.82321	-0.1157	0.01235	-0.01008	0.82809	-0.04143	0.37172	-0.0659
-0.01272	0.7839	-0.11956	0.00971	0.017816	0.70098	-0.0325	0.48359	0.027523
0.072458	0.11789	0.110706	0.0167	-0.01934	0.6767	-0.01492	0.74775	-0.03343
-0.01286	0.78165	0.029941	0.51864	-0.01215	0.79341	-0.06861	0.13878	-0.08217
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0.106517	0.02132	0.065437	0.158	-0.00263	0.9548	-0.03702	0.42479	-0.04297
-0.08603	0.06321	-0.20564	7.47E-06	-0.05009	0.28	-0.17784	0.00011	-0.06613
-0.07393	0.1106	-0.11888	0.01013	0.035987	0.43784	-0.00862	0.85269	-0.00054
-0.02099	0.65091	-0.00616	0.89439	-0.07817	0.09155	-0.05863	0.206	-0.08755
-0.1995	1.40E-05	-0.11337	0.01423	-0.00023	0.99609	0.10888	0.01859	0.059312
0.009733	0.83384	-0.09365	0.04308	0.045817	0.32316	0.195076	2.18E-05	0.090227
-0.03178	0.49322	-0.17458	0.00015	-0.01037	0.82311	-0.08405	0.06956	-0.05525
0.229187	5.55E-07	0.134634	0.00356	0.002283	0.96076	0.052669	0.25599	-0.07358
0.031515	0.49689	0.089322	0.05374	0.020778	0.65425	0.101981	0.02755	0.098509
-0.13446	0.0036	-0.33215	1.72E-13	0.083586	0.07113	0.002856	0.95092	-0.01002
-0.1096	0.01783	-0.25124	3.73E-08	0.031004	0.5039	0.045399	0.3276	0.102494
0.200393	1.28E-05	0.180011	9.17E-05	-0.00084	0.98562	-0.0029	0.95009	-0.00495
0.054651	0.2385	-0.10183	0.02778	0.090949	0.0495	-0.01714	0.71173	0.034878
0.111646	0.01579	-0.1237	0.00744	0.187162	4.71E-05	0.216487	2.34E-06	0.385522
-0.05567	0.22982	-0.09159	0.04791	0.021533	0.64255	0.017521	0.70569	0.177661
0.009024	0.84579	-0.18116	8.25E-05	0.021149	0.64849	0.013267	0.77492	-0.02224
0.029617	0.52318	-0.07688	0.09705	0.027979	0.54643	0.072679	0.11677	0.034147
-0.01371	0.76762	-0.08769	0.05828	0.011501	0.80423	0.020174	0.66367	0.036023
-0.00488	0.91625	0.109141	0.01831	-0.01452	0.75437	-0.02117	0.64812	0.032717
0.11343	0.01418	0.317509	2.13E-12	-0.01636	0.72432	-0.00213	0.96339	0.042199
0.038282	0.40916	0.062899	0.1748	0.059598	0.19858	0.01655	0.7213	0.047562
-0.17931	9.77E-05	-0.14155	0.00217	0.04812	0.29942	0.102526	0.02672	0.089269
-0.00475	0.91853	-0.14087	0.00228	-0.03023	0.51457	-0.16971	0.00023	-0.13943
-0.04686	0.31223	-0.06587	0.15527	0.138663	0.00267	0.261441	9.77E-09	0.377679
-0.15217	0.00097	-0.14814	0.00132	0.091802	0.0474	0.243851	9.49E-08	0.255503
-0.00375	0.9355	0.087683	0.0583	-0.02466	0.59499	-0.04882	0.29242	-0.0691
0.139479	0.00252	0.129979	0.0049	0.003707	0.93633	-0.08437	0.0685	0.111378
-0.03228	0.48656	-0.08308	0.07288	-0.01353	0.77063	0.000661	0.98863	-0.12655
-0.09748	0.03521	-0.22445	9.58E-07	-0.02984	0.52006	-0.1189	0.01012	-0.1004
0.014594	0.75311	0.092633	0.04542	0.027197	0.55769	0.181313	8.13E-05	0.005664
0.017813	0.70102	-0.01811	0.69626	-0.038	0.41268	-0.12583	0.00648	-0.10962
-0.01115	0.81017	-0.11464	0.01317	0.026167	0.57271	0.178779	0.0001	-0.12759
-0.05694	0.21937	-0.26556	5.59E-09	-0.00983	0.83228	-0.10942	0.01801	-0.03119
0.032232	0.48714	-0.04731	0.30759	0.051073	0.27069	0.037278	0.42157	-0.00064
0.030947	0.50469	-0.1283	0.00549	0.057312	0.21638	0.134677	0.00355	0.179579
-0.03506	0.44973	-0.2637	7.21E-09	-0.03263	0.48178	-0.10346	0.02537	-0.09425
0.10321	0.02572	0.20381	9.03E-06	0.174542	0.00015	0.02169	0.64012	0.305932
0.074946	0.10576	0.141819	0.00213	0.069153	0.13565	-0.0265	0.56778	0.073926

0.05607	0.22652	0.265302	5.80E-09	0.003716	0.93617	0.065069	0.16036	0.122332
-0.19906	1.47E-05	-0.25074	3.97E-08	0.214162	3.01E-06	0.224951	9.05E-07	0.039128
0.064751	0.16242	0.148671	0.00127	0.005955	0.89788	0.046938	0.31145	0.127941
-0.1038	0.02489	-0.31401	3.81E-12	0.015023	0.74609	0.017205	0.71076	-0.06873
-0.07197	0.12041	-0.21565	2.56E-06	-0.0098	0.83269	-0.03421	0.46075	-0.00524
0.032141	0.48838	0.066256	0.15285	0.108685	0.0188	0.101828	0.02778	0.064987
-0.14281	0.00198	-0.45987	8.14E-26	-0.00384	0.93401	-0.01781	0.70107	-0.10797
-0.12427	0.00717	-0.09966	0.0313	0.071108	0.12491	0.225227	8.77E-07	0.201018
0.035552	0.4434	0.048072	0.29989	0.085499	0.06488	0.007371	0.87377	0.066804
-0.01725	0.71007	0.060373	0.19279	0.001349	0.9768	0.073796	0.11124	-0.01231
-0.08678	0.06094	-0.1189	0.01012	-0.01543	0.73953	0.026784	0.56369	-0.00277
-0.04197	0.36546	0.145051	0.00167	-0.01559	0.73681	-0.04848	0.29585	0.009083
-0.02669	0.56509	0.046831	0.31256	-0.02354	0.61181	-0.0517	0.26483	0.002154
-0.04207	0.36437	-0.15658	0.00068	-0.00114	0.98044	-0.0201	0.66478	0.030814
-0.17963	9.49E-05	-0.24187	1.21E-07	0.016065	0.72915	0.004483	0.92302	0.042448
-0.22511	8.88E-07	-0.33236	1.66E-13	-0.02281	0.62299	-0.04589	0.32243	-0.16763
0.037531	0.41842	0.26978	3.13E-09	0.014819	0.74942	0.099343	0.03184	0.037824
-0.13578	0.00328	-0.10361	0.02515	0.05596	0.22742	0.079649	0.08555	0.145734
0.001219	0.97904	-0.13826	0.00275	-0.02416	0.60246	-0.08457	0.06787	-0.06356
0.045379	0.32782	-0.0555	0.23128	0.050423	0.27685	0.040916	0.37767	0.024915
0.008993	0.84631	0.082372	0.07535	0.009673	0.83485	0.00132	0.97731	0.0082
-0.19438	2.34E-05	-0.1065	0.02134	-0.00476	0.91832	0.021318	0.64588	0.04875
0.147131	0.00143	-0.05819	0.20938	-0.05339	0.24952	-0.13221	0.00421	-0.16975
0.001209	0.97921	-0.05606	0.22663	0.002785	0.95214	-0.02729	0.55637	-0.03489
-0.03955	0.39382	-0.07752	0.09426	0.058994	0.20318	-0.01669	0.71913	0.210581
-0.03384	0.46569	-0.11234	0.01514	-0.05361	0.2476	0.012787	0.78285	-0.09341
-0.04783	0.30237	-0.14585	0.00158	-0.01069	0.81773	-0.02849	0.53912	-0.05125
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0.265087	5.97E-09	0.353255	3.59E-15	0.014655	0.7521	0.152321	0.00096	0.070143
-0.0337	0.46755	0.027996	0.54617	-0.01087	0.81474	-0.05331	0.25025	-0.08157
-0.13168	0.00437	-0.06465	0.16306	0.02522	0.58669	0.041815	0.36726	-0.07756
0.098564	0.03322	-0.06012	0.19465	-0.03585	0.43961	-0.11414	0.01359	-0.08441
0.156977	0.00066	-0.03066	0.50861	0.035664	0.44196	0.11514	0.01278	0.056466
-0.03943	0.39519	-0.14256	0.00201	0.006535	0.88799	-0.07343	0.11301	0.229737
0.273988	1.74E-09	0.518883	1.51E-33	-0.00812	0.86102	0.055648	0.23003	0.115967
0.090165	0.05151	0.295558	7.22E-11	0.071769	0.12144	0.123645	0.00747	0.301666
-0.2162	2.41E-06	-0.06962	0.13301	0.012785	0.7829	0.107135	0.02058	0.128946
0.051917	0.26284	0.253656	2.73E-08	0.062702	0.17615	0.123034	0.00777	0.177976
0.030677	0.50841	0.311629	5.64E-12	0.009623	0.8357	0.115441	0.01255	0.068005
-0.04607	0.32046	-0.21123	4.13E-06	0.009855	0.83179	0.003449	0.94075	0.02967
0.033625	0.46851	-0.38278	9.59E-18	0.014391	0.75643	-0.02511	0.58839	-0.03061
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-0.08709	0.06002	-0.08042	0.08257	0.145522	0.00162	0.155523	0.00075	0.003152
0.225069	8.93E-07	0.095213	0.03971	-0.04634	0.31761	-0.12232	0.00814	-0.06702
-0.07346	0.11288	-0.18072	8.59E-05	0.015541	0.73765	0.006559	0.88758	-0.0206

0.021094	0.64934	0.091203	0.04887	-0.04058	0.38166	0.013556	0.77015	-0.04692
0.049787	0.28296	-0.09639	0.03732	0.008726	0.85082	0.014317	0.75764	-0.05891
-0.0458	0.32333	-0.07431	0.10876	-0.03253	0.48317	0.005252	0.90987	-0.02597
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0.05265	0.25616	-0.07149	0.12291	0.090818	0.04983	-0.03546	0.44456	-0.0724
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0.147015	0.00144	-0.04364	0.34669	-0.00679	0.8837	-0.09554	0.03904	0.007382
0.023705	0.60937	0.008713	0.85104	-0.00445	0.92359	-0.01473	0.75095	-0.01962
0.099026	0.0324	0.077083	0.09615	0.032838	0.47899	-0.07088	0.12614	-0.00821
0.080909	0.0807	0.038956	0.40096	-0.06019	0.19414	-0.10195	0.0276	-0.01763
0.160467	0.0005	0.021221	0.64738	-0.0127	0.78425	-0.00519	0.91098	-0.00527
-0.01693	0.71518	0.002626	0.95487	0.015085	0.74507	-0.01573	0.7346	0.016132
0.143569	0.00187	0.104412	0.02404	-0.00857	0.85339	-0.08452	0.06802	-0.02386
0.13176	0.00434	0.125786	0.00649	-0.03117	0.50165	-0.04589	0.32239	0.035513
0.065604	0.15694	-0.05648	0.22314	0.018288	0.69346	-0.01712	0.71208	-0.01348
0.083103	0.07279	0.051429	0.26737	0.002919	0.94984	0.061638	0.18362	0.091215
0.033653	0.46814	-0.15459	0.0008	-0.02172	0.63962	-0.07958	0.08582	-0.09261
0.125391	0.00666	0.222205	1.24E-06	-0.03698	0.42523	-0.07234	0.11849	0.101004
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0.0956	0.03891	-0.05585	0.22837	0.055319	0.2328	-0.02586	0.5773	0.032128
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0.029739	0.52147	0.044726	0.33483	0.002137	0.96327	-0.03029	0.51373	-0.01078
0.050591	0.27525	0.073412	0.11312	0.031114	0.50239	0.008173	0.86018	0.035333
-0.04294	0.35447	0.009035	0.8456	0.036952	0.42564	0.039312	0.39666	0.275342
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-0.05754	0.21457	-0.32047	1.29E-12	0.027237	0.55711	0.017087	0.71266	0.03903
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-0.05528	0.23314	-0.2004	1.28E-05	0.005578	0.90431	-0.02661	0.56622	-0.06971
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-0.15577	0.00073	-0.24664	6.69E-08	-0.00188	0.96765	-0.04772	0.30341	-0.08718
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0.219499	1.67E-06	0.220376	1.52E-06	0.012541	0.78694	-0.10808	0.01948	-0.01069
0.112918	0.01463	-0.01632	0.725	0.070577	0.12776	0.061235	0.1865	0.23653
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0.040139	0.3868	-0.17041	0.00022	-0.00747	0.87202	-0.01387	0.76503	0.05142
0.047099	0.3098	0.040605	0.38131	0.045284	0.32883	0.040101	0.38725	0.150353
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0.114067	0.01365	-0.03931	0.39663	0.030216	0.51481	0.044764	0.33442	0.030629
0.088404	0.05626	-0.26927	3.36E-09	0.001629	0.97199	-0.05162	0.26556	-0.03976
0.005129	0.91197	-0.03599	0.4378	-0.02355	0.61173	-0.1024	0.02692	-0.01136

-0.26473	6.27E-09	-0.44236	8.52E-24	-0.01125	0.80839	-0.05599	0.22717	-0.07635
0.027415	0.55454	-0.12303	0.00778	-0.05518	0.23396	-0.15065	0.00109	-0.13163
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0.043926	0.34356	-0.12579	0.00649	0.00258	0.95566	-0.04936	0.28709	0.009143
0.070807	0.12652	-0.06622	0.15309	0.08074	0.08134	0.01455	0.75382	0.216617
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0.002049	0.96478	-0.01951	0.67418	0.00378	0.93506	0.070297	0.12928	0.129383
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-0.10683	0.02094	-0.37719	3.09E-17	0.018711	0.68672	-0.06487	0.16166	-0.00907
-0.0519	0.26296	-0.39778	3.73E-19	-0.0046	0.92105	-0.01117	0.80981	-0.1466
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0.090367	0.05098	-0.07823	0.0913	-0.00356	0.93883	-0.04627	0.31844	0.004139
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-0.08482	0.06706	-0.23551	2.63E-07	0.124089	0.00726	0.006553	0.88769	0.020836
-0.01472	0.75108	-0.06788	0.14303	-0.01105	0.81117	0.076761	0.09756	-0.02797
-0.09057	0.05046	-0.23881	1.76E-07	0.013261	0.77501	0.153355	0.00088	-0.10894
-0.09805	0.03416	-0.28716	2.57E-10	0.038935	0.40121	0.073158	0.11437	0.07378
0.13555	0.00334	0.23695	2.21E-07	-0.02234	0.63011	0.016439	0.72309	-0.02794
0.050216	0.27883	-0.01197	0.79643	-0.00675	0.88427	0.047957	0.30106	0.007958
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0.117212	0.01125	0.004402	0.92441	-0.06389	0.16806	-0.15497	0.00078	-0.06034
0.243922	9.40E-08	0.03704	0.42454	-0.03652	0.43105	-0.04842	0.29636	0.045444
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0.006855	0.88254	-0.14154	0.00217	-0.01236	0.78992	0.034227	0.46059	0.034993
0.148109	0.00133	-0.1199	0.0095	0.009972	0.82982	0.040526	0.38224	0.061578
0.024179	0.60224	0.008646	0.85217	-0.01242	0.78887	0.010194	0.8261	-0.03972
0.055554	0.23082	0.004778	0.91798	-0.00376	0.93538	-0.03361	0.46868	-0.00593
0.093889	0.04256	0.09466	0.04088	0.242146	1.17E-07	0.088868	0.05497	0.261014
0.236254	2.40E-07	0.293736	9.54E-11	0.034004	0.46351	-0.01887	0.68427	0.194694
0.138265	0.00275	-0.02942	0.52591	0.033124	0.47517	-0.00708	0.87871	0.07432
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0.0012	0.97937	0.373646	6.40E-17	0.130377	0.00477	0.207968	5.85E-06	0.379941
0.011368	0.80645	-0.00276	0.95263	0.029661	0.52257	0.004991	0.91433	0.01485
0.054882	0.23652	0.027452	0.55401	0.034407	0.45822	0.065642	0.1567	-0.02484
0.018858	0.6844	-0.31102	6.22E-12	0.02251	0.62753	0.037243	0.42201	-0.04358
-0.10121	0.02875	-0.15244	0.00095	0.010484	0.82123	-0.02957	0.52381	-0.11144
0.227949	6.41E-07	0.086332	0.0623	-0.01558	0.73696	-0.05057	0.27549	0.044533
0.213694	3.17E-06	0.465168	1.89E-26	0.045265	0.32903	0.127799	0.00568	0.126847
0.065207	0.15947	0.126095	0.00636	0.004621	0.92067	0.160905	0.00048	0.112577
0.000872	0.985	0.171701	0.00019	0.091499	0.04814	0.182649	7.19E-05	0.290907
-0.05064	0.27479	0.339637	4.51E-14	0.104355	0.02412	0.287422	2.47E-10	0.415853
-0.1667	0.0003	-0.42455	7.37E-22	-0.03376	0.46676	-0.07614	0.10031	-0.18312



0.089166	0.05416	-0.1164	0.01183	0.022398	0.62925	-0.01593	0.73134	0.084929
-0.03511	0.44904	-0.04395	0.34326	0.01521	0.74304	0.032404	0.48483	0.207243
0.027437	0.55422	-0.33581	8.99E-14	0.000174	0.99701	-0.04265	0.35779	-0.06308
0.011036	0.81198	0.113423	0.01419	0.282274	5.29E-10	0.390072	2.02E-18	0.393771
-0.02507	0.58894	0.106378	0.02149	-0.00393	0.93258	-0.07131	0.12384	-0.02101
0.063768	0.1689	-0.03489	0.45194	0.030906	0.50525	-0.09451	0.04121	0.048714
-0.19351	2.55E-05	-0.50763	5.90E-32	-0.01499	0.74657	-0.09186	0.04726	-0.09198
-0.06998	0.13101	-0.14774	0.00137	0.041499	0.37091	0.17766	0.00011	0.101349
-0.04127	0.37353	-0.03967	0.39233	-0.00769	0.86838	-0.00408	0.9299	-0.04294
-0.10702	0.02071	-0.13963	0.00249	0.086342	0.06227	0.055445	0.23174	0.099032
-0.05266	0.25606	-0.09556	0.03899	-0.02253	0.62727	-0.04221	0.36281	-0.10785
-0.04572	0.3242	0.141008	0.00226	0.049535	0.28541	0.025599	0.58108	0.018031
-0.14632	0.00152	-0.27872	8.85E-10	-0.01565	0.73582	-0.04597	0.32156	-0.05777
-0.04533	0.32837	0.240446	1.44E-07	0.022365	0.62975	0.09675	0.03661	0.015772
0.025366	0.58453	-0.07802	0.09216	-0.04002	0.38826	-0.07803	0.09211	-0.05011
-0.16564	0.00032	-0.21378	3.14E-06	-0.05106	0.27081	-0.08643	0.06201	-0.1958
-0.01872	0.68655	-0.00019	0.99679	0.107295	0.02039	0.211168	4.16E-06	0.131391
-0.08813	0.05703	-0.24147	1.27E-07	-0.02031	0.66155	-0.04139	0.37215	-0.12134
-0.11231	0.01517	-0.10297	0.02607	-0.01252	0.78723	0.102301	0.02706	0.01057
0.15687	0.00067	-0.20068	1.24E-05	-0.00988	0.83135	-0.1152	0.01273	-0.09429
0.012802	0.78261	0.020463	0.65917	0.050882	0.2725	0.060439	0.1923	0.199548
-0.00198	0.96591	-0.09616	0.03777	-8.73E-05	0.9985	0.008511	0.85446	-0.02062
-0.06946	0.13392	-0.02331	0.61533	-0.00869	0.85138	-0.027	0.56054	0.041958
-0.01705	0.71325	-0.11247	0.01503	-0.0114	0.80589	-0.03157	0.49615	-0.00671
-0.10341	0.02544	-0.06283	0.17524	0.097329	0.0355	0.230906	4.54E-07	-0.02326
0.178717	0.0001	0.10338	0.02548	0.001831	0.96852	-0.02171	0.6398	-0.04627
-0.0222	0.63236	-0.06504	0.16057	-0.00175	0.96988	-0.00069	0.9881	0.009643
-0.08201	0.07665	-0.22195	1.27E-06	0.010215	0.82574	-0.00552	0.90524	0.019171
0.149018	0.00124	-0.01056	0.82003	-0.0146	0.75303	-0.02311	0.61833	-0.03018
0.042498	0.35949	0.060292	0.19339	-0.00384	0.93399	-0.04882	0.29243	-0.0052
0.088397	0.05628	0.08465	0.0676	0.02137	0.64506	-0.02965	0.52278	0.082929
-0.02862	0.53726	-0.07066	0.12733	-0.00427	0.92676	-0.03293	0.47774	-0.0422
0.218833	1.80E-06	0.307797	1.05E-11	-0.01283	0.78221	-0.0295	0.5248	-0.01194
-0.04648	0.31622	-0.03387	0.46528	0.007622	0.86952	-0.00483	0.91717	-0.06874
0.014174	0.75999	0.034447	0.4577	0.024538	0.59685	-0.0044	0.92443	-0.04554
0.096991	0.03614	0.02649	0.56798	-0.04397	0.34312	-0.06315	0.17309	-0.04135
0.186196	5.16E-05	-0.12721	0.00591	-0.00395	0.93214	-0.07719	0.09569	-0.07031
0.086786	0.06093	-0.07337	0.11331	-0.00205	0.96482	-0.044	0.34269	-0.05995
-0.01722	0.71052	-0.06304	0.17385	0.017606	0.70434	-0.01113	0.81049	-0.00128
0.107832	0.01976	-0.02844	0.53978	0.043806	0.34488	-0.05305	0.25253	0.03758
0.090003	0.05193	-0.04232	0.36156	-0.0051	0.91247	-0.05871	0.20539	0.009319
0.151389	0.00103	-0.17333	0.00017	-0.00495	0.91503	-0.04541	0.32745	-0.07385
0.103649	0.0251	-0.13976	0.00247	0.036505	0.43126	-0.05895	0.20351	0.016417
0.017498	0.70606	-0.06958	0.13326	0.026789	0.56363	-0.02326	0.61614	-0.05713
0.025755	0.57879	-0.06339	0.17143	0.033635	0.46838	-0.01992	0.66762	-0.02597

0.03483	0.45272	0.014399	0.7563	0.027994	0.54621	-0.01561	0.73655	-0.04357
0.00256	0.956	-0.06921	0.13535	0.01934	0.67679	0.018018	0.69775	0.019012
-0.0662	0.15322	-0.1201	0.00938	-0.006	0.89716	-0.02418	0.60217	-0.04055
-0.01086	0.81487	-0.05015	0.27943	-0.00937	0.83987	-0.02325	0.61633	-0.02943
-0.02645	0.56859	-0.09676	0.03659	0.016407	0.72361	-0.00529	0.90921	0.003147
0.011341	0.80689	-0.06535	0.15855	0.008502	0.85461	-0.00437	0.92488	-0.00896
0.018355	0.69238	0.000503	0.99135	0.108802	0.01868	0.06916	0.13561	0.103124
0.023947	0.60573	-0.06994	0.13124	0.012954	0.7801	-0.0101	0.8276	-0.03087
-0.0554	0.23211	-0.21072	4.36E-06	0.03608	0.43665	-0.05799	0.211	-0.08447
-0.0077	0.86821	-0.08889	0.0549	0.006269	0.89253	0.002303	0.96041	0.000223
0.012507	0.78749	0.183497	6.64E-05	0.057359	0.216	0.191943	2.97E-05	0.176646
-0.03494	0.45134	-0.11491	0.01296	0.050073	0.2802	-0.01849	0.69026	-0.02649
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0.048133	0.29928	-0.04014	0.38681	0.014436	0.75569	-0.02143	0.64407	-0.0276
0.026467	0.56832	0.117131	0.0113	0.024396	0.59898	0.082867	0.07361	0.154096
0.049194	0.28874	0.105953	0.02202	0.032569	0.4826	0.076858	0.09713	0.142572
0.020134	0.6643	-0.01209	0.79449	0.030392	0.51236	0.010577	0.81967	-0.00119
0.137501	0.0029	0.060701	0.19038	-0.01475	0.75048	-0.06257	0.17706	-0.02045
0.074478	0.10797	0.07849	0.09022	0.073859	0.11094	-0.01167	0.80139	0.031796
0.164557	0.00036	-0.11264	0.01488	0.020199	0.66329	-0.00219	0.96238	0.070252
0.014605	0.75292	-0.10152	0.02825	-0.00447	0.92332	-0.06972	0.13247	0.044326
0.143358	0.0019	0.42661	4.46E-22	-0.01653	0.72164	0.005235	0.91017	-0.01858
0.17058	0.00021	0.472957	2.11E-27	-0.00096	0.98347	0.005462	0.9063	0.019628
-0.05325	0.25081	-0.02295	0.62075	0.025482	0.58281	0.069729	0.13242	0.131724
0.003936	0.9324	-0.102	0.02751	0.047701	0.30364	0.152568	0.00094	0.127771
-0.09294	0.0447	-0.27884	8.70E-10	-0.00438	0.92474	0.008805	0.84949	-0.13331
0.159562	0.00054	0.153912	0.00085	0.026371	0.56973	-0.01451	0.75442	0.111133
-0.02102	0.65052	0.139897	0.00245	-0.03292	0.47786	-0.08732	0.05936	0.028664
0.050567	0.27548	0.272819	2.05E-09	-0.00332	0.94301	0.040841	0.37854	-0.07202
0.063172	0.17293	0.522164	5.04E-34	0.014202	0.75953	0.141134	0.00224	0.085181
0.075536	0.10304	-0.19748	1.72E-05	-0.00127	0.97808	-0.08749	0.05886	-0.0591
0.020653	0.6562	0.041785	0.36762	0.024111	0.60326	0.157214	0.00065	0.006419
-0.11459	0.01322	-0.31611	2.69E-12	-0.00488	0.91632	-0.02788	0.54781	-0.06478
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-0.05388	0.2452	-0.08268	0.07426	0.005251	0.90989	-0.00651	0.88841	0.097698
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-0.01501	0.7463	-0.10405	0.02453	0.01891	0.68357	-0.03839	0.40783	-0.00983
-0.09166	0.04775	-0.24629	6.99E-08	-0.01584	0.73283	-0.02327	0.61594	-0.06161
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-0.01821	0.69473	-0.13156	0.0044	0.02377	0.60839	-0.00138	0.97624	-0.05594
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0.034523	0.45672	-0.11718	0.01127	0.11879	0.01019	0.131519	0.00441	0.178585

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0.108077	0.01948	0.049537	0.28539	-0.034	0.4635	0.08282	0.07377	-0.30195
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0.213298	3.31E-06	0.377031	3.19E-17	0.040942	0.37736	0.013175	0.77643	0.081029
0.118877	0.01013	0.176198	0.00013	0.039053	0.39978	-0.05	0.28087	0.110786
0.060826	0.18947	-0.14614	0.00154	-0.01518	0.74356	-0.12071	0.00903	0.013497
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0.00981	0.83255	0.157555	0.00063	0.04782	0.30244	-0.00846	0.85537	0.095274
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0.066335	0.15236	0.103608	0.02515	-0.00417	0.92838	-0.02993	0.51874	-0.11744
0.056356	0.22415	0.132115	0.00424	-0.0312	0.50114	0.039102	0.3992	-0.14304
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-0.11276	0.01477	-0.21116	4.16E-06	-0.00819	0.85991	-0.06321	0.17267	-0.10657
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0.004358	0.92517	-0.10798	0.01959	0.05896	0.20344	-0.01225	0.79168	0.043209
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0.00964	0.83542	-0.07596	0.10113	-0.06706	0.14789	-0.0796	0.08574	-0.05063
0.299594	3.86E-11	0.45733	1.63E-25	0.017501	0.70601	0.041796	0.36749	0.115477
0.058595	0.20625	0.011148	0.81013	0.007134	0.8778	0.013123	0.77729	-0.12477
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0.009351	0.84028	-0.12562	0.00656	0.025729	0.57917	-0.08155	0.07831	-0.11518
0.137923	0.00282	-0.05357	0.2479	0.013755	0.76688	-0.06679	0.14953	0.065595
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0.040907	0.37777	-0.01195	0.7967	-0.07153	0.12267	-0.14271	0.00199	-0.19708
0.059419	0.19993	0.004701	0.9193	-0.05285	0.25439	-0.08277	0.07394	-0.1592
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0.005064	0.91309	-0.09705	0.03603	-0.01249	0.7877	0.011725	0.8005	-0.11307
0.013153	0.7768	-0.22423	9.83E-07	0.027365	0.55527	0.006068	0.89595	-0.01395
0.06931	0.13476	0.235907	2.51E-07	0.019967	0.66692	0.069568	0.13331	0.055898
0.132575	0.00411	-0.14714	0.00143	-0.00181	0.96889	-0.03378	0.46641	-0.16704
0.080253	0.0832	-0.16932	0.00024	0.094885	0.0404	0.030165	0.51552	0.227087
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0.003661	0.93711	-0.00428	0.92645	0.003347	0.94249	0.010616	0.81902	-0.1061
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0.215478	2.61E-06	0.188042	4.33E-05	0.004797	0.91765	-0.05723	0.21704	0.061526
0.013903	0.76443	-0.16886	0.00025	-0.01071	0.8174	-0.05316	0.25153	-0.00271
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0.065629	0.15678	0.064303	0.16535	0.065833	0.15549	0.050315	0.27788	0.061878
-0.11393	0.01376	-0.12081	0.00897	-0.00052	0.99104	0.026006	0.57508	0.047559
0.030854	0.50597	0.172445	0.00018	-0.04679	0.313	-0.05621	0.22537	-0.08751
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0.196478	1.90E-05	0.421855	1.42E-21	-0.00083	0.98568	0.037993	0.41271	0.011719
0.196114	1.97E-05	-0.19669	1.86E-05	0.009621	0.83573	-0.11243	0.01507	-0.01138
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0.117653	0.01094	0.27124	2.56E-09	0.131523	0.00441	0.30748	1.10E-11	0.431388
0.00357	0.93867	0.017617	0.70416	0.021809	0.63829	0.207683	6.03E-06	-0.14365
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-0.05591	0.22785	-0.08683	0.0608	-0.00522	0.91046	-0.01068	0.81795	-0.04899
-0.0064	0.89025	-0.05319	0.25131	0.011169	0.80976	-0.03782	0.41483	-0.02098
-0.04423	0.34025	-0.13511	0.00344	0.004561	0.92169	-0.02241	0.62905	-0.03272
0.078796	0.08897	0.261327	9.92E-09	0.149286	0.00121	0.192876	2.71E-05	0.407096
-0.06578	0.15582	-0.13339	0.00388	0.057948	0.21131	0.02	0.6664	-0.00155
0.059304	0.2008	-0.05034	0.27768	0.060272	0.19354	0.043239	0.35116	0.050044
-0.06326	0.17229	-0.24252	1.12E-07	-0.00425	0.92707	0.024987	0.59016	-0.02954
-0.07949	0.08618	-0.24299	1.06E-07	0.019776	0.66991	-0.04004	0.38801	-0.08105
-0.02861	0.53736	-0.10629	0.0216	-0.00103	0.98234	-0.03828	0.4092	-0.04278
0.017262	0.70984	-0.0727	0.11667	0.030496	0.51092	0.031715	0.49417	0.096
-0.05379	0.24597	-0.14635	0.00152	-0.01308	0.77799	-0.07034	0.12907	-0.02783
0.086837	0.06078	0.104292	0.0242	0.086497	0.0618	0.066074	0.15399	0.047183
0.032784	0.47972	-0.02008	0.66514	0.01074	0.81694	0.033065	0.47596	0.024001
0.039851	0.39022	-0.01706	0.71303	0.034633	0.45528	0.056714	0.22121	0.087309
0.014569	0.75351	0.077491	0.0944	0.060119	0.19467	0.074404	0.10832	0.10356
0.021652	0.64071	-0.11449	0.0133	0.072203	0.11919	-0.01002	0.82894	0.022938
0.029756	0.52123	-0.08593	0.06354	0.119953	0.00947	0.120608	0.00908	0.118555
-0.0284	0.54044	-0.16528	0.00033	0.092261	0.0463	0.01161	0.8024	-0.01101
-0.08251	0.07486	-0.32746	3.91E-13	-0.01866	0.68748	-0.10681	0.02096	-0.09218
-0.13586	0.00326	-0.1082	0.01935	0.01717	0.71133	0.077757	0.09327	0.009159
-0.12999	0.0049	-0.23126	4.35E-07	-0.01556	0.73741	-0.04571	0.32429	-0.03448
0.093799	0.04276	0.091976	0.04698	0.0203	0.66171	0.109357	0.01808	0.13733
-0.05842	0.20758	-0.14623	0.00153	0.043971	0.34306	0.166157	0.00031	0.069672
0.022796	0.62316	-0.06761	0.14463	-0.02277	0.62358	-0.03642	0.4324	0.072259
0.107651	0.01997	0.043378	0.34962	0.17672	0.00012	0.027941	0.54696	0.057693
-0.10817	0.01937	-0.04566	0.3248	0.031234	0.50074	0.072281	0.1188	0.127691
0.050393	0.27714	-0.24488	8.34E-08	-0.01106	0.81152	0.00526	0.90975	-0.10643
-0.20848	5.54E-06	-0.34474	1.77E-14	0.020811	0.65373	-0.03192	0.49136	0.016385
-0.04087	0.37818	-0.11529	0.01266	0.088991	0.05463	0.031025	0.50362	0.220943
-0.04538	0.32785	0.058172	0.20955	0.031952	0.49094	0.311595	5.67E-12	0.077234

-0.14217	0.00207	-0.23558	2.61E-07	0.092876	0.04485	0.163443	0.00039	0.115851
-0.05418	0.24258	-0.43804	2.58E-23	0.037834	0.41467	-0.01525	0.74242	0.020797
-0.04164	0.36924	-0.18426	6.19E-05	0.001553	0.97329	0.026061	0.57427	0.092431
-0.01304	0.77874	0.005671	0.90273	0.059448	0.19971	0.114449	0.01333	0.09744
0.054704	0.23805	0.36639	2.77E-16	0.10554	0.02255	0.152901	0.00092	0.034194
-0.01678	0.71753	0.167002	0.00029	-0.04957	0.28509	-0.04259	0.35846	-0.14546
-0.06717	0.14725	-0.27546	1.41E-09	-0.04064	0.38091	-0.10362	0.02514	-0.14073
0.019561	0.6733	-8.78E-05	0.99849	0.078967	0.08827	-0.00171	0.97064	0.149921
-0.06474	0.1625	-0.27801	9.80E-10	-0.00021	0.9964	-0.01692	0.71531	-0.0363
0.000299	0.99487	-0.08047	0.08238	-0.04097	0.37706	-0.13368	0.0038	-0.14614
0.056164	0.22573	-0.15655	0.00069	-0.06948	0.13383	-0.05558	0.23062	-0.25402
0.102629	0.02657	0.106685	0.02112	0.092066	0.04676	0.037956	0.41317	-0.01504
0.022967	0.62056	-0.45309	5.09E-25	-0.0455	0.32654	-0.19447	2.32E-05	-0.14572
-0.07169	0.12182	-0.09394	0.04246	0.004487	0.92296	0.063956	0.16765	0.138006
-0.05	0.28094	-0.3494	7.43E-15	-0.02268	0.62499	-0.07702	0.09641	-0.09751
0.068517	0.13929	-0.13613	0.0032	0.038867	0.40203	0.011884	0.79785	-0.03648
-0.09404	0.04222	-0.11373	0.01392	0.139902	0.00244	0.147978	0.00134	0.298254
0.092236	0.04636	0.117263	0.01121	-0.01889	0.68383	-0.0838	0.07041	0.011227
0.017473	0.70646	0.388194	3.03E-18	0.067378	0.146	0.113615	0.01403	0.269927
-0.01808	0.6968	-0.06992	0.13135	0.020207	0.66316	-0.01452	0.75438	-0.02578
-0.09448	0.04127	-0.06452	0.16392	-0.02005	0.66569	-0.05132	0.26842	-0.0169
-0.05326	0.25067	-0.22698	7.17E-07	0.041225	0.37408	-0.01085	0.81512	-0.03478
0.074816	0.10637	-0.1307	0.00467	-0.0027	0.95359	-0.10614	0.02179	-0.06635
-0.00842	0.85593	0.077144	0.09589	0.034656	0.45498	-0.0375	0.41882	0.22515
-0.08231	0.07556	0.112462	0.01503	-0.05413	0.24299	-0.04612	0.31993	-0.03376
0.131239	0.0045	0.156886	0.00067	-0.00887	0.84838	-0.08138	0.07895	0.033265
0.029779	0.52091	-0.18378	6.47E-05	-0.02958	0.52372	0.004071	0.93009	-0.17473
-0.19638	1.92E-05	-0.29262	1.13E-10	-0.03272	0.48054	-0.09962	0.03137	-0.12964
-0.04714	0.30933	-0.09581	0.03849	0.009615	0.83583	0.012892	0.78111	-0.06959
0.237529	2.06E-07	0.211675	3.94E-06	0.0225	0.62768	-0.0696	0.13313	-0.01101
-0.04713	0.30948	0.140536	0.00233	-0.01451	0.7545	0.079992	0.08421	-0.06409
-0.08061	0.08184	-0.16618	0.00031	0.007296	0.87505	-0.02764	0.55133	-0.05175
0.077336	0.09506	-0.1042	0.02432	-0.01893	0.68318	-0.05086	0.27269	-0.04794
0.07748	0.09445	-0.3152	3.13E-12	-0.00539	0.90751	-0.07209	0.11978	-0.12038
0.044852	0.33347	0.042429	0.36026	-0.01767	0.70331	-0.01526	0.74224	-0.05894
-0.10657	0.02126	-0.31269	4.74E-12	0.001951	0.96647	-0.0694	0.13427	-0.07947
-0.16085	0.00048	-0.30162	2.81E-11	0.026568	0.56684	0.019279	0.67774	0.081989
0.137977	0.00281	0.16713	0.00029	0.029255	0.52827	0.021182	0.64798	0.075364
-0.01816	0.69555	0.017985	0.69828	-0.00216	0.96284	-0.00689	0.88188	-0.02859
-0.0002	0.99648	-0.08987	0.05227	0.015733	0.73453	-0.05436	0.241	-0.05047
-0.10573	0.0223	-0.14339	0.00189	0.120541	0.00912	0.167022	0.00029	0.384641
-0.1147	0.01313	-0.3518	4.73E-15	0.018612	0.6883	-0.04417	0.34086	-0.03205
-0.15203	0.00098	-0.15232	0.00096	0.016564	0.72109	0.032109	0.48881	0.056124
-0.03927	0.39716	-0.06679	0.14957	-0.01561	0.73648	0.055487	0.23139	-0.03685
0.360379	9.08E-16	0.327306	4.02E-13	-0.04431	0.33932	-0.09182	0.04734	-0.03763

-0.05429	0.24159	-0.11662	0.01167	0.035945	0.43837	0.064628	0.16322	0.041425
0.110563	0.01684	-0.04113	0.37516	-0.04966	0.28418	-0.13882	0.00264	0.013179
0.008757	0.85031	0.159127	0.00056	0.083756	0.07056	0.31073	6.53E-12	0.187488
0.126932	0.00602	0.225775	8.23E-07	0.065617	0.15686	0.244913	8.31E-08	0.295723
0.180102	9.09E-05	0.418697	3.02E-21	0.084546	0.06794	0.087619	0.05849	0.249552
-0.14621	0.00153	-0.3742	5.72E-17	0.004447	0.92364	0.003004	0.94838	-0.07261
-0.0599	0.19631	-0.21153	4.00E-06	0.004919	0.91558	-0.03385	0.46554	-0.03836
-0.01898	0.68248	-0.07755	0.09417	0.008398	0.85636	0.013349	0.77357	-0.02383
-0.17321	0.00017	-0.01363	0.76895	-0.0803	0.08302	-0.12932	0.00513	-0.1136
0.207685	6.02E-06	0.357874	1.48E-15	0.014562	0.75363	-0.00914	0.84384	0.051607
-0.11633	0.01188	-0.15928	0.00055	0.048025	0.30037	0.089857	0.05231	0.047936
-0.2682	3.89E-09	-0.32424	6.81E-13	0.02069	0.65562	0.076281	0.09968	-0.13299
0.227611	6.66E-07	0.139011	0.00261	-0.06176	0.18274	-0.09988	0.03092	-0.05554
0.186453	5.03E-05	0.330807	2.18E-13	-0.01448	0.75505	-0.04126	0.37367	0.231344
-0.01315	0.77687	0.125454	0.00664	-0.03267	0.4812	-0.12918	0.00518	-0.12136
0.17624	0.00013	0.137038	0.003	0.017331	0.70874	0.010356	0.82337	0.037103
0.058605	0.20618	-0.02004	0.6658	0.00299	0.94862	-0.10436	0.02411	-0.02062
-0.27774	1.02E-09	-0.37571	4.19E-17	-0.01384	0.76554	0.04934	0.28731	-0.12112
-0.03342	0.47123	0.207326	6.26E-06	-0.02584	0.57755	0.111223	0.01619	-0.04572
0.237852	1.98E-07	0.338713	5.33E-14	0.011824	0.79884	0.096893	0.03633	-0.03375
-0.031	0.504	-0.19356	2.54E-05	0.046845	0.31241	0.035085	0.44941	0.226759
-0.14461	0.00173	-0.39359	9.39E-19	-0.06496	0.16108	-0.10742	0.02024	-0.24397
0.127628	0.00575	-0.30543	1.54E-11	-0.03594	0.43846	-0.14594	0.00156	-0.12994
0.091275	0.04869	0.33296	1.49E-13	-0.01938	0.67622	0.031238	0.50068	0.087423
-0.09921	0.03208	-0.30074	3.23E-11	-0.03495	0.45113	-0.0444	0.33836	-0.09391
0.069772	0.13218	0.253168	2.91E-08	0.06235	0.1786	0.14803	0.00134	0.232017
0.027192	0.55777	0.009427	0.839	-0.02208	0.63416	-0.08853	0.05592	-0.0231
0.100501	0.02989	0.307347	1.13E-11	-0.03453	0.45656	-0.074	0.11025	-0.05195
-0.0746	0.10739	-0.16653	0.0003	0.001732	0.97023	-0.08225	0.0758	-0.04753
-0.14468	0.00172	-0.24816	5.52E-08	0.001937	0.9667	0.022163	0.63285	0.027931
-0.05343	0.24917	0.008973	0.84665	0.040107	0.38718	0.058979	0.20329	0.123587
-0.07895	0.08833	-0.29601	6.73E-11	-0.03054	0.51027	-0.12421	0.0072	-0.11195
0.037466	0.41923	0.25552	2.14E-08	0.025718	0.57933	0.040376	0.384	-0.01122
0.02162	0.64121	0.423661	9.15E-22	0.040722	0.37994	0.044691	0.33521	0.195504
0.069792	0.13207	0.102526	0.02673	-0.00579	0.90061	0.006068	0.89594	0.033361
-0.11695	0.01143	-0.49629	2.08E-30	-0.04531	0.32852	-0.04457	0.33654	-0.02357
0.183395	6.71E-05	-0.05896	0.20347	-0.02896	0.53241	-0.07443	0.10817	-0.12231
-0.0772	0.09566	-0.29665	6.10E-11	-0.02293	0.62109	-0.14363	0.00186	-0.10471
0.179873	9.28E-05	0.198961	1.48E-05	0.010536	0.82036	-0.13604	0.00322	0.122587
-0.13107	0.00455	-0.13174	0.00435	-0.01372	0.76743	0.049852	0.28233	-0.03379
0.049697	0.28383	-0.12459	0.00702	-0.08936	0.05364	-0.1931	2.65E-05	-0.30782
-0.0686	0.13879	-0.16401	0.00037	-0.00875	0.85034	0.032098	0.48896	0.001548
0.217714	2.04E-06	0.463495	3.01E-26	0.052437	0.25809	0.041937	0.36587	0.260133
0.050615	0.27502	0.384173	7.15E-18	0.129338	0.00512	0.321998	1.00E-12	0.445624
-0.1592	0.00055	-0.05476	0.23757	0.123557	0.00751	0.196593	1.88E-05	0.197729

0.285791	3.15E-10	0.257349	1.68E-08	0.012775	0.78305	-0.04291	0.35482	0.100337
-0.10033	0.03018	-0.32302	8.40E-13	-0.00886	0.84848	-0.06032	0.19317	-0.09601
0.099289	0.03194	-0.07664	0.09808	-0.02447	0.59785	-0.10902	0.01845	-0.09299
-0.19086	3.30E-05	-0.07259	0.11721	0.103444	0.02539	0.275458	1.41E-09	0.11889
-0.12089	0.00892	0.253976	2.62E-08	0.088989	0.05464	0.296707	6.05E-11	0.097024
0.147829	0.00136	0.210895	4.28E-06	0.130415	0.00476	0.148467	0.00129	0.414788
-0.08934	0.05368	-0.36279	5.66E-16	-0.01628	0.7256	-0.02659	0.56655	-0.19669
-0.30693	1.21E-11	-0.52202	5.30E-34	0.001136	0.98046	0.094001	0.04231	-0.10912
-0.16832	0.00026	-0.28231	5.26E-10	0.022552	0.62688	-0.0206	0.65696	-0.03937
-0.10997	0.01744	-0.23341	3.38E-07	0.051637	0.26543	0.012952	0.78013	0.063779
-0.04053	0.38216	-0.24381	9.53E-08	3.36E-05	0.99942	0.014267	0.75846	-0.18066
-0.10981	0.01761	-0.12346	0.00756	0.039143	0.3987	0.019827	0.66911	0.006465
-0.15269	0.00093	-0.26006	1.17E-08	0.065568	0.15717	0.032645	0.48159	0.034932
0.030255	0.51426	0.116975	0.01141	-0.00096	0.98348	-0.03432	0.45931	0.08966
0.196223	1.95E-05	0.198331	1.58E-05	-0.06484	0.16181	-0.2148	2.81E-06	-0.02659
-0.103	0.02603	0.098083	0.03409	0.024561	0.59652	0.181383	8.08E-05	0.07247
-0.17692	0.00012	-0.4127	1.24E-20	-0.05644	0.2235	-0.05523	0.23359	-0.17506
0.160474	0.0005	0.209043	5.22E-06	0.03347	0.47057	0.051496	0.26674	-0.07327
-0.02295	0.6208	0.137549	0.0029	-0.01793	0.69923	-0.02131	0.64592	-0.08722
-0.06322	0.17261	-0.25478	2.36E-08	0.046008	0.32115	0.014901	0.74809	0.034287
-0.06364	0.16975	-0.12077	0.00899	0.009944	0.8303	0.086924	0.06052	-0.04598
-0.20837	5.60E-06	-0.22822	6.21E-07	-0.02943	0.52577	-0.03931	0.39672	-0.0292
0.175787	0.00013	0.026203	0.57219	-0.00116	0.98003	-0.12382	0.00739	0.07533
0.130451	0.00475	0.112281	0.0152	0.048054	0.30008	0.132221	0.00421	0.068405
-0.01705	0.71327	0.243755	9.60E-08	-0.06834	0.14029	0.045268	0.329	-0.01965
0.213404	3.27E-06	0.324072	7.02E-13	0.033848	0.46557	0.189607	3.72E-05	-0.02953
-0.18792	4.38E-05	-0.1794	9.70E-05	0.095732	0.03864	0.26561	5.56E-09	-0.06916
0.169671	0.00023	0.014897	0.74814	0.05457	0.2392	-0.01744	0.70692	0.148221
0.135242	0.00341	-0.03766	0.41681	-0.01713	0.71199	0.021836	0.63787	-0.03822
0.124984	0.00684	0.110337	0.01707	-0.00942	0.83907	-0.06879	0.13774	-0.06837
0.194009	2.43E-05	0.491256	9.68E-30	0.021004	0.65074	0.141584	0.00216	0.007203
0.203599	9.23E-06	0.182219	7.48E-05	-0.03263	0.48177	-0.09017	0.05149	-0.18759
-0.07392	0.11065	-0.22637	7.69E-07	0.031408	0.49835	0.1038	0.02488	-0.01797
-0.16888	0.00025	-0.16978	0.00023	-0.03926	0.39728	-0.00618	0.89396	-0.14909
0.17367	0.00016	-0.22078	1.45E-06	-0.02209	0.63393	-0.2328	3.63E-07	-0.10114
0.260122	1.17E-08	0.406742	4.93E-20	0.065864	0.1553	0.029144	0.52984	0.167957
-0.12077	0.00899	-0.21118	4.16E-06	-0.00081	0.98611	-0.04074	0.37978	0.02827
-0.02279	0.6233	0.174487	0.00015	0.150868	0.00107	0.222617	1.18E-06	0.281378
0.078342	0.09083	0.177666	0.00011	0.108674	0.01882	0.157642	0.00063	0.294092
-0.047	0.31077	-0.07051	0.12814	-0.01427	0.75842	-0.0587	0.20541	0.086605
0.260303	1.14E-08	0.115266	0.01268	0.098946	0.03254	-0.02966	0.52252	0.118674
-0.14418	0.00179	-0.21396	3.08E-06	-0.04071	0.38009	-0.08163	0.07804	-0.12721
-0.02925	0.5284	-0.40496	7.41E-20	-0.02327	0.61593	-0.09151	0.0481	-0.09007
-0.11243	0.01506	-0.5193	1.31E-33	-0.00203	0.96516	-0.10774	0.01986	-0.05039
-0.07735	0.09501	-0.28678	2.72E-10	-0.10668	0.02112	-0.18726	4.66E-05	-0.21645

0.177663	0.00011	-0.40824	3.50E-20	-0.0281	0.54465	-0.17685	0.00012	-0.1999
-0.02648	0.56817	-0.18802	4.34E-05	0.1196	0.00968	0.101652	0.02806	0.378194
-0.11076	0.01664	-0.51057	2.30E-32	-0.01179	0.79941	-0.07703	0.09639	-0.12514
0.078628	0.08965	0.258246	1.50E-08	0.010121	0.82733	-0.02314	0.6179	0.029028
0.190161	3.53E-05	0.050082	0.28011	0.027601	0.55186	0.052153	0.26068	0.047963
-0.13275	0.00406	-0.24299	1.06E-07	-0.01864	0.68791	-0.00853	0.85418	-0.13176
-0.07103	0.12535	-0.08845	0.05612	0.111349	0.01607	0.215515	2.60E-06	0.16248
-0.01434	0.75728	-0.02836	0.54094	0.078915	0.08848	0.291046	1.44E-10	0.067346
0.013877	0.76487	-0.08373	0.07066	-0.03056	0.50998	-0.05259	0.25672	-0.04301
0.248595	5.23E-08	0.198588	1.54E-05	0.090424	0.05084	-0.00377	0.93529	0.1788
0.049588	0.28489	-0.14441	0.00176	-0.03466	0.45495	-0.10758	0.02005	-0.02843
-0.08452	0.06801	-0.02672	0.56457	-0.01565	0.73595	0.016999	0.71407	0.000526
-0.01519	0.74333	-0.10688	0.02088	0.015729	0.7346	0.016405	0.72365	0.017931
0.046224	0.31888	-0.01192	0.79725	0.015203	0.74315	0.020919	0.65207	-0.00361
0.037932	0.41346	-0.10565	0.02241	0.0275	0.55331	-0.05053	0.27582	-0.07607
0.131468	0.00443	0.076181	0.10012	-0.00436	0.92519	-0.00665	0.88605	-0.03371
-0.03107	0.50297	0.019034	0.68161	0.118207	0.01057	0.168015	0.00027	0.425731
-0.07435	0.10859	0.023987	0.60512	0.033128	0.47512	0.057281	0.21662	0.110512
0.183197	6.83E-05	0.154969	0.00078	-0.00142	0.97554	-0.10398	0.02463	0.036116
-0.01618	0.72722	0.047556	0.30512	-0.04494	0.33256	0.030716	0.50787	0.009103
0.035061	0.44973	0.072521	0.11757	0.06622	0.15307	0.049702	0.28379	0.348167
-0.11962	0.00967	-0.09546	0.0392	-0.04008	0.38744	-0.03138	0.49878	0.020528
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0.012492	0.78774	-0.10084	0.02933	-0.00094	0.98386	-0.04012	0.38703	-0.01866
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0.160463	0.0005	0.074902	0.10597	-0.01922	0.67866	-0.1496	0.00118	-0.10395
0.273695	1.81E-09	0.384348	6.89E-18	0.03137	0.49887	-0.02214	0.6332	0.211193
0.096559	0.03698	0.139302	0.00255	-0.01019	0.82622	-0.01427	0.75843	0.027353
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-0.0529	0.25387	-0.37858	2.31E-17	-0.02734	0.55569	-0.09248	0.04577	-0.04797
0.086442	0.06197	-0.11531	0.01265	-0.08162	0.07806	-0.20564	7.47E-06	-0.27674
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0.106155	0.02177	0.188804	4.02E-05	0.078029	0.09213	0.129553	0.00505	0.102023
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0.061484	0.18472	0.135791	0.00328	0.00969	0.83457	-0.04408	0.34184	0.072663
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0.04885	0.29213	0.008011	0.86292	-0.03184	0.49246	0.013454	0.77183	-0.05914
0.064914	0.16136	0.23638	2.37E-07	0.063128	0.17323	0.103783	0.02491	0.033097
0.136572	0.0031	0.094182	0.04191	0.023348	0.61477	-0.00094	0.9838	0.106469
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0.195003	2.20E-05	0.386053	4.79E-18	0.063178	0.17288	0.161098	0.00047	0.106219
0.154988	0.00078	0.170329	0.00022	0.071616	0.12223	0.129787	0.00497	0.251512
0.03359	0.46898	0.00767	0.8687	-0.02144	0.64399	-0.04525	0.32915	-0.01952
0.033464	0.47064	-0.05822	0.20918	-0.00539	0.90757	0.044733	0.33475	-0.05225
0.117566	0.011	-0.04191	0.36621	-0.08367	0.07086	-0.079	0.08812	-0.10524
0.009492	0.8379	-0.05882	0.20449	0.064707	0.1627	0.0652	0.15952	0.027302
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0.035034	0.45008	-0.0178	0.70125	-0.05961	0.19852	-0.17293	0.00017	0.034103
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0.104992	0.02326	0.281189	6.19E-10	0.108553	0.01895	0.051688	0.26496	0.256958
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0.06326	0.17233	0.175052	0.00014	-0.01506	0.74555	-0.02613	0.57329	0.047326
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0.077796	0.09311	-0.11288	0.01466	0.016069	0.72908	-0.1047	0.02365	-0.07664
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0.232351	3.83E-07	0.074811	0.1064	-0.00976	0.83336	0.043855	0.34434	-0.07016
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0.037234	0.42212	-0.31286	4.61E-12	-0.03058	0.50972	-0.11867	0.01026	-0.05712
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0.151881	0.00099	0.156674	0.00068	-0.02005	0.66558	-0.06362	0.16993	-0.0366
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0.192178	2.90E-05	0.290598	1.54E-10	0.136695	0.00308	-0.01156	0.80322	0.270587
0.028747	0.53546	0.185483	5.52E-05	0.063759	0.16896	0.212119	3.76E-06	0.391389
0.037743	0.41579	0.191987	2.96E-05	0.059768	0.1973	0.099611	0.03138	0.320256
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0.016954	0.71479	-0.32434	6.70E-13	-0.06369	0.16946	-0.18221	7.49E-05	-0.28359
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-0.22099	1.42E-06	0.043168	0.35196	0.048587	0.29474	0.214616	2.87E-06	-0.12939
-0.05437	0.2409	0.02752	0.55302	0.100473	0.02994	0.151221	0.00105	0.323079
-0.15945	0.00054	-0.34966	7.08E-15	-0.00837	0.85677	-0.05849	0.20704	0.018782
0.028142	0.54408	-0.20234	1.05E-05	0.022904	0.62152	-0.09653	0.03705	-0.06216
0.225307	8.69E-07	0.41995	2.24E-21	-0.07266	0.11688	-0.14929	0.00121	-0.08199
0.085291	0.06554	-0.19841	1.57E-05	-0.02837	0.54081	-0.10716	0.02054	-0.11572
-0.05912	0.20219	-0.27273	2.07E-09	-0.01757	0.70485	-0.04703	0.31055	-0.07848
0.081453	0.07868	0.058721	0.20528	-0.0173	0.70927	0.085324	0.06543	-0.15466
0.227824	6.50E-07	-0.04528	0.32884	0.016212	0.72677	-0.1276	0.00576	0.059325
-0.18233	7.40E-05	-0.17155	0.0002	0.025469	0.58301	0.316491	2.53E-12	0.150554
0.096386	0.03733	0.038611	0.40515	0.038079	0.41165	-0.01528	0.74186	-0.02728
0.108038	0.01953	-0.09837	0.03357	0.031244	0.5006	0.109748	0.01767	-0.03524
-0.11941	0.0098	-0.10248	0.02679	0.045908	0.3222	0.185987	5.26E-05	0.243738
0.023188	0.61719	-0.15632	0.0007	0.026692	0.56504	0.048079	0.29982	0.129973
-0.00878	0.84989	-0.1404	0.00236	0.011105	0.81083	0.040482	0.38275	-0.02297
-0.11604	0.0121	-0.49424	3.90E-30	-0.00778	0.86679	-0.12212	0.00824	-0.07341
-0.1788	0.0001	-0.33909	4.98E-14	-0.00508	0.91287	-0.07045	0.12843	-0.09231
-0.0826	0.07455	-0.15121	0.00105	-0.05218	0.26041	-0.08005	0.08398	-0.08054
-0.22649	7.58E-07	-0.53055	2.90E-35	-0.06295	0.17443	-0.20018	1.31E-05	-0.1862
-0.03987	0.39001	-0.12256	0.00801	0.054381	0.24083	0.017416	0.70737	-0.05097
0.09391	0.04251	-0.00278	0.95226	-0.03237	0.48522	-0.04263	0.35799	-0.04994
-0.00949	0.83791	-0.26717	4.49E-09	-0.05059	0.27527	-0.02686	0.56265	-0.29071
0.269202	3.39E-09	0.240029	1.52E-07	-0.07018	0.12991	-0.16046	0.0005	-0.06241
-0.06098	0.18834	-0.14145	0.00218	0.023593	0.61107	-0.01197	0.79642	-0.08744
-0.19686	1.83E-05	0.042598	0.35836	0.003628	0.93767	0.083053	0.07296	-0.16966
-0.05261	0.25655	0.025247	0.5863	-0.01622	0.72666	0.071666	0.12197	0.057141
0.284218	3.98E-10	0.210042	4.69E-06	-0.01079	0.81612	0.002899	0.95018	0.100538
0.006309	0.89184	0.150699	0.00109	0.04046	0.38301	-0.07201	0.12017	0.134414
-0.08007	0.08391	-0.01463	0.75247	0.173862	0.00016	0.243382	1.01E-07	0.464654

0.139463	0.00252	-0.08809	0.05713	-0.03968	0.39225	-0.1711	0.0002	-0.14472
-0.16712	0.00029	-0.23912	1.70E-07	-0.01982	0.66919	-0.01273	0.7838	-0.07232
0.024651	0.59516	0.098752	0.03288	0.017914	0.6994	0.199571	1.39E-05	-0.01286
-0.01958	0.67297	-0.14413	0.00179	0.026932	0.56155	0.112799	0.01473	0.333597
0.049575	0.28502	0.355229	2.46E-15	-0.01206	0.79492	0.012495	0.7877	0.065779
-0.06588	0.15518	-0.15371	0.00086	-0.04856	0.29497	-0.06177	0.18269	-0.17226
0.033282	0.47306	0.001345	0.97687	0.015559	0.73736	0.132917	0.00401	0.043098
-0.08312	0.07272	-0.04554	0.32608	-0.02605	0.57449	-0.08717	0.05978	-0.06526
-0.15108	0.00106	-0.02143	0.64408	0.054033	0.24386	0.078978	0.08823	0.151827
0.171679	0.00019	0.03425	0.46028	-0.0329	0.47812	-0.09436	0.04152	-0.10976
0.030431	0.51182	0.141872	0.00212	0.002933	0.9496	-0.00452	0.92242	0.080424
-0.01842	0.69132	-0.31921	1.60E-12	0.009337	0.8405	-0.05998	0.19572	-0.09603
-0.13223	0.0042	-0.12939	0.0051	0.044401	0.33835	0.091674	0.04771	-0.05735
0.114498	0.01329	-0.05976	0.19733	-0.02589	0.5768	-0.01733	0.70873	-0.00432
0.051988	0.2622	0.062941	0.17451	-0.00344	0.94085	0.033024	0.4765	-0.09003
0.099739	0.03116	0.202639	1.02E-05	0.035843	0.43968	0.050856	0.27274	0.369625
0.099153	0.03217	0.222709	1.17E-06	-0.01477	0.75019	-0.08044	0.08246	0.118785
-0.00229	0.96058	0.036419	0.43236	0.008378	0.85671	0.006871	0.88227	-0.04393
0.174797	0.00015	0.243692	9.68E-08	0.008729	0.85078	0.036119	0.43616	-0.07736
0.036264	0.43432	-0.07672	0.09775	0.018643	0.6878	-0.02116	0.64839	-0.02421
0.304082	1.90E-11	0.142864	0.00197	-0.03055	0.51022	-0.22175	1.30E-06	-0.04479
0.306765	1.24E-11	0.24902	4.95E-08	0.0573	0.21647	0.138857	0.00264	0.204839
0.009766	0.83329	-0.22364	1.05E-06	-0.02599	0.57526	-0.08803	0.05732	-0.10226
0.071444	0.12314	0.012515	0.78737	-0.01184	0.79855	-0.06728	0.14662	-0.08735
-0.18143	8.05E-05	-0.32377	7.39E-13	-0.01653	0.72155	-0.01035	0.82349	-0.18975
0.122117	0.00825	0.226671	7.43E-07	0.081028	0.08025	0.273494	1.86E-09	0.047541
0.034994	0.45059	-0.19695	1.81E-05	0.000504	0.99133	-0.0549	0.23641	-0.06679
-0.22308	1.12E-06	-0.4654	1.77E-26	0.038475	0.40681	0.211202	4.15E-06	-0.16704
-0.03556	0.44324	-0.24975	4.51E-08	-0.0021	0.96393	0.040693	0.38027	-0.1135
-0.1701	0.00022	-0.32794	3.60E-13	-0.01729	0.70943	0.100661	0.02963	-0.26235
0.282756	4.93E-10	0.183203	6.83E-05	0.093405	0.04364	0.066989	0.14835	0.167677
0.012922	0.78062	-0.25455	2.43E-08	0.007005	0.88	-0.02576	0.57876	-0.11796
0.085484	0.06493	-0.02403	0.60451	0.021783	0.63869	-0.02196	0.63598	0.051543
-0.20877	5.37E-06	-0.52102	7.38E-34	-0.02145	0.6438	-0.09527	0.03959	-0.0063
-0.1176	0.01098	0.071409	0.12332	-0.06487	0.16165	-0.14641	0.00151	-0.06042
0.071744	0.12156	-0.28704	2.62E-10	-0.01701	0.71391	-0.0376	0.41757	-0.0149
-0.0898	0.05245	-0.18466	5.96E-05	0.026436	0.56878	-0.02175	0.63926	-0.02371
0.033225	0.47382	-0.07068	0.12722	-0.0339	0.46495	-0.11778	0.01086	-0.08746
-0.10467	0.02369	-0.15033	0.00112	-0.04325	0.35102	0.007373	0.87375	-0.06578
-0.0125	0.78769	0.056419	0.22364	-0.03548	0.44431	-0.03445	0.45764	-0.01747
-0.103	0.02603	-0.46026	7.32E-26	-0.04768	0.30384	-0.1578	0.00062	-0.06175
-0.03049	0.51101	-0.18502	5.76E-05	0.067841	0.14324	0.036121	0.43613	0.13319
0.032921	0.47788	0.235017	2.79E-07	-0.00477	0.91807	0.035563	0.44325	0.069928
0.216014	2.46E-06	0.134205	0.00367	-0.03267	0.48124	-0.09771	0.03478	0.112036
0.152861	0.00092	0.083274	0.0722	0.080926	0.08064	0.094222	0.04183	0.386129

0.009547	0.83698	-0.21555	2.59E-06	-0.01664	0.7198	-0.05152	0.26654	-0.07762
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0.11269	0.01483	0.274872	1.53E-09	-0.01815	0.69565	0.031038	0.50344	-0.02713
0.023342	0.61486	-0.03882	0.40255	0.014266	0.75848	-0.05233	0.25911	0.061729
-0.06587	0.15527	-0.18689	4.83E-05	0.007529	0.87109	0.000792	0.98639	-0.09284
0.142114	0.00208	0.313964	3.84E-12	0.045419	0.32739	0.167048	0.00029	0.069777
0.063112	0.17334	0.317262	2.22E-12	0.054985	0.23564	0.052652	0.25614	0.185762
-0.15008	0.00114	-0.21156	3.99E-06	-0.0289	0.53331	0.0008	0.98625	-0.24595
0.012265	0.79151	-0.18556	5.48E-05	0.037269	0.42168	-0.03	0.51777	0.001245
0.092775	0.04509	-0.03434	0.45904	0.022719	0.62433	0.007433	0.87272	-0.13363
0.227079	7.09E-07	0.063864	0.16826	-0.07499	0.10555	-0.01492	0.74782	0.075184
-0.00607	0.89587	-0.24063	1.41E-07	0.001925	0.9669	-0.02077	0.65439	-0.10513
-0.09313	0.04426	-0.45822	1.28E-25	0.009208	0.84268	-0.04857	0.29487	-0.00878
0.121004	0.00886	-0.0282	0.54326	0.037915	0.41367	0.000733	0.98739	-0.00207
-0.03797	0.41304	-0.08457	0.06787	0.052452	0.25796	0.062572	0.17705	0.050399
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0.021372	0.64503	-0.09237	0.04603	-0.00021	0.99647	-0.01996	0.6671	-0.00423
-0.03188	0.49188	-0.03987	0.39003	0.006545	0.88782	0.010052	0.82848	-0.06018
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0.044123	0.3414	-0.11497	0.01292	-0.01486	0.74882	-0.10301	0.02602	-0.01687
0.021402	0.64458	0.15608	0.00071	-0.03603	0.43733	0.025565	0.58159	-0.03165
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0.246847	6.52E-08	0.348655	8.55E-15	0.037784	0.41529	0.087917	0.05763	0.180041
0.004021	0.93094	0.015078	0.74519	-0.00525	0.90988	-0.09331	0.04385	-0.01818
0.008447	0.85553	0.175038	0.00014	0.035971	0.43804	0.119885	0.00951	0.152055
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0.077225	0.09554	-0.09004	0.05184	0.097717	0.03477	0.067144	0.14741	0.161964
0.179176	9.89E-05	0.274125	1.70E-09	0.043657	0.34652	0.102978	0.02606	0.059529
0.090277	0.05122	0.080996	0.08038	-0.00111	0.98087	-0.02969	0.5221	0.021353
0.070781	0.12666	0.053378	0.24963	0.00088	0.98486	-0.0234	0.61404	0.035614
-0.01742	0.70732	0.09626	0.03758	0.234387	3.01E-07	0.135643	0.00331	0.42741
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-0.02906	0.53096	0.222243	1.23E-06	0.038848	0.40227	0.087698	0.05826	0.066588
0.19957	1.39E-05	0.247616	5.92E-08	-0.07642	0.09907	-0.14779	0.00136	-0.17337
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0.217953	1.99E-06	-0.04559	0.32559	-0.01645	0.72294	-0.07549	0.10327	-0.03896
0.060527	0.19166	0.043818	0.34475	-0.00819	0.85997	-0.10504	0.0232	-0.06096
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0.15677	0.00067	0.267381	4.36E-09	0.040761	0.37948	0.085505	0.06486	0.014312
0.037496	0.41885	0.02018	0.66358	-0.0039	0.93306	0.017815	0.70099	-0.02206
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0.087668	0.05835	0.169378	0.00024	0.063256	0.17236	0.22677	7.34E-07	-0.09254
0.118051	0.01067	-0.04236	0.36102	0.131887	0.0043	0.139506	0.00252	0.247285
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0.05019	0.27908	-0.10815	0.0194	0.032889	0.47831	-0.0564	0.22379	-0.09346
0.006428	0.88981	-0.15939	0.00055	0.006487	0.88881	-0.0565	0.22297	-0.06173
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0.12021	0.00932	-0.14875	0.00126	-0.02413	0.60303	-0.09519	0.03975	-0.07586
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0.021455	0.64376	-0.01639	0.72396	-0.00772	0.86788	-0.01998	0.66668	-0.03274
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0.218352	1.90E-06	0.161896	0.00044	0.028131	0.54424	0.042077	0.36427	0.175734
0.05176	0.2643	-0.06397	0.16758	0.018707	0.68678	-0.055	0.23548	0.009423
0.036513	0.43116	-0.02259	0.62636	-0.02394	0.6058	-0.06422	0.1659	0.036346
0.117689	0.01092	0.012712	0.7841	-0.01083	0.81543	-0.04334	0.35004	-0.02201
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-0.05823	0.20912	-0.18463	5.98E-05	0.029346	0.52698	0.015135	0.74426	0.083718
0.150986	0.00106	0.198118	1.61E-05	0.025236	0.58646	0.08538	0.06526	0.224304
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-0.07923	0.08723	-0.26814	3.93E-09	-0.04263	0.35797	-0.08694	0.06047	-0.14073
0.076398	0.09915	0.275689	1.37E-09	0.023747	0.60874	-0.01706	0.71313	0.053604
0.052155	0.26066	0.145833	0.00158	-0.04184	0.36697	-0.01818	0.69522	-0.07828
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-0.15083	0.00108	-0.27312	1.96E-09	-0.01502	0.74611	-0.03975	0.39144	0.034884
0.145078	0.00167	0.25871	1.41E-08	-0.04381	0.3448	-0.08969	0.05276	-0.07158
-0.09238	0.04602	-0.01178	0.79956	0.183523	6.63E-05	0.384644	6.47E-18	0.272462
0.178643	0.0001	-0.1662	0.00031	-0.00934	0.84053	-0.07841	0.09054	0.036644
0.155636	0.00074	-0.17489	0.00015	-0.01137	0.80645	-0.06822	0.141	0.106181
-0.0941	0.04209	-0.03334	0.47229	-0.01985	0.66876	0.036745	0.42825	-0.01657
-0.00928	0.84144	-0.0174	0.70758	-0.01232	0.79055	0.010459	0.82166	0.016498
-0.13513	0.00344	-0.03914	0.39873	0.009241	0.84213	0.065662	0.15657	0.098763
-0.01127	0.808	-0.15306	0.00091	0.011186	0.80949	-0.05296	0.25339	0.018227
0.114986	0.0129	0.163086	0.0004	0.012006	0.79582	0.024168	0.60241	-0.00998
0.058887	0.20399	0.201777	1.11E-05	0.019665	0.67166	0.029973	0.51819	0.116636
0.069006	0.13649	0.205524	7.56E-06	0.027405	0.55469	0.013324	0.77398	0.008227
-0.06567	0.15649	-0.35575	2.23E-15	-0.06685	0.14921	-0.14486	0.0017	-0.19235
0.088521	0.05593	0.22663	7.46E-07	-0.00249	0.95713	-0.01513	0.74431	-0.05173
0.068675	0.13838	-0.09053	0.05056	-0.01191	0.79734	0.00836	0.85701	-0.02687
-0.10019	0.0304	-0.05252	0.25733	0.015184	0.74347	0.033719	0.46727	0.017957
0.213263	3.32E-06	0.096957	0.03621	-0.02769	0.55057	-0.20303	9.78E-06	0.011236
0.010057	0.8284	-0.01874	0.68627	0.071149	0.12469	0.210945	4.26E-06	0.169012
-0.0372	0.42253	-0.0441	0.34166	0.055531	0.23102	0.030508	0.51075	0.109698

-0.03125	0.50051	-0.19093	3.28E-05	-0.00133	0.97717	-0.11198	0.01548	0.013492
-0.06136	0.18562	-0.42654	4.54E-22	-0.01621	0.72688	-0.0835	0.07143	-0.12811
0.058384	0.20789	0.033997	0.4636	0.022217	0.63203	0.013288	0.77457	0.134258
0.09907	0.03232	0.142928	0.00196	-0.02335	0.61471	-0.08683	0.0608	-0.00843
-0.14393	0.00182	-0.391	1.65E-18	0.081859	0.07719	0.035352	0.44596	0.185456
0.17256	0.00018	0.020319	0.6614	0.078422	0.0905	0.084587	0.0678	-0.03837
0.097658	0.03488	-0.08615	0.06285	-0.02265	0.62543	-0.06254	0.17728	-0.10892
-0.10119	0.02878	-0.41861	3.08E-21	-0.02107	0.64978	-0.11089	0.01652	-0.08612
-0.0989	0.03262	-0.19083	3.31E-05	-0.0046	0.92101	-0.01121	0.80905	0.022413
0.144048	0.0018	0.441973	9.41E-24	0.000187	0.99678	0.203375	9.44E-06	-0.05833
0.110367	0.01703	-0.05647	0.22319	0.025484	0.58278	0.109858	0.01755	-0.12922
-0.04832	0.29736	0.064514	0.16396	0.066153	0.15349	0.265522	5.63E-09	0.065227
-0.1451	0.00167	0.000455	0.99218	0.076756	0.09758	0.196187	1.96E-05	0.187072
0.269546	3.23E-09	0.379197	2.04E-17	0.030638	0.50895	0.179683	9.45E-05	-0.04873
0.061628	0.18369	-0.3053	1.57E-11	0.018217	0.69458	-0.13221	0.00421	-0.0612
-0.0514	0.26763	-0.49575	2.46E-30	-0.06644	0.15169	-0.18909	3.92E-05	-0.11275
-0.0526	0.25665	-0.11944	0.00978	-0.06185	0.18211	-0.08321	0.0724	0.017245
0.136493	0.00312	0.08413	0.06931	-0.01096	0.81321	0.051022	0.27118	-0.00872
0.174305	0.00015	0.186799	4.87E-05	0.031771	0.4934	-0.04571	0.32426	0.195852
0.269856	3.10E-09	0.364201	4.28E-16	-0.05446	0.24017	0.008579	0.85331	-0.0274
-0.00928	0.8414	0.053394	0.24949	0.043225	0.35132	0.085378	0.06526	0.069696
-0.02808	0.54502	-0.18828	4.23E-05	-0.03189	0.49174	-0.02329	0.61566	-0.08952
-0.07465	0.10716	-0.11877	0.01021	-0.02086	0.653	0.050341	0.27763	-0.03496
-0.05084	0.2729	-0.04138	0.37225	-0.00913	0.84395	0.113391	0.01422	0.005271
-0.04413	0.34132	0.05354	0.2482	-0.02801	0.54601	-0.00576	0.90119	-0.0585
-0.0143	0.75785	-0.04285	0.3555	-0.02323	0.61663	-0.01047	0.82147	0.002282
0.015381	0.74025	0.089564	0.05309	-0.02571	0.57941	-0.03751	0.41869	0.001605
0.031532	0.49665	0.034775	0.45343	-0.0006	0.98962	-0.02748	0.55355	-0.0031
0.210902	4.28E-06	0.198322	1.58E-05	0.072732	0.1165	0.007279	0.87534	0.172677
-0.0125	0.78761	0.068145	0.14146	-0.03533	0.4463	0.034748	0.45378	0.008883
0.005652	0.90305	0.041142	0.37503	-0.00109	0.98122	0.05815	0.20972	0.035414
-0.00861	0.85284	0.056419	0.22363	0.021354	0.64532	0.077096	0.0961	0.102336
-0.01139	0.80611	-0.02397	0.60539	-0.04792	0.30144	-0.09609	0.03791	-0.00673
0.049953	0.28136	0.005929	0.89832	0.064771	0.16229	0.066754	0.14978	0.042633
0.08835	0.05641	0.139443	0.00253	0.026692	0.56504	0.082653	0.07436	-0.00679
0.046791	0.31297	0.089709	0.0527	-0.0007	0.98804	0.011467	0.8048	0.1325
0.015033	0.74593	0.010733	0.81706	-0.00851	0.85444	-0.01721	0.71063	-0.04038
-0.06353	0.17052	-0.04509	0.33093	-0.03722	0.42226	0.001028	0.98232	0.010833
-0.08603	0.06323	-0.04577	0.32363	0.013453	0.77185	0.14993	0.00116	0.013124
-0.05079	0.27339	-0.0473	0.30774	-0.00672	0.88482	0.006179	0.89407	-0.0283
0.124377	0.00712	0.119943	0.00948	0.01088	0.8146	-0.05654	0.22267	0.089455
0.083915	0.07002	0.064428	0.16452	-0.01403	0.76242	0.073647	0.11196	0.024678
0.159144	0.00056	0.004511	0.92255	0.000923	0.98413	-0.04247	0.35975	-0.02373
0.120872	0.00893	-0.19981	1.36E-05	0.008916	0.84761	-0.04586	0.32274	-0.0553
-0.08947	0.05334	-0.01057	0.81977	-0.00818	0.86	0.080047	0.08399	-0.03653

-0.01055	0.82008	0.084183	0.06913	0.047207	0.30869	0.045978	0.32146	-0.03331
0.063052	0.17374	0.026413	0.56911	-0.01433	0.75741	-0.08076	0.08126	0.062375
-0.03583	0.43989	-0.08664	0.06138	-0.03895	0.40097	-0.05457	0.23919	-0.05613
-0.11526	0.01269	-0.22913	5.58E-07	-0.00765	0.86907	-0.01454	0.75395	0.055741
-0.12453	0.00705	0.00222	0.96183	-0.0087	0.8512	0.17221	0.00018	0.092361
-0.09704	0.03604	-0.07418	0.10939	-0.01378	0.76652	0.022375	0.62961	-0.07605
0.004283	0.92645	0.006912	0.88158	-0.03152	0.49684	-0.00651	0.88847	-0.13632
-0.03344	0.47097	-0.03663	0.42969	0.08949	0.05329	0.070778	0.12668	-0.03011
-0.08513	0.06604	-0.18883	4.01E-05	-0.0525	0.25748	-0.06851	0.13934	-0.05878
0.015753	0.73421	-0.09218	0.0465	-0.01195	0.79667	-0.01888	0.68408	-0.01979
0.019893	0.66808	-0.07428	0.10893	0.015705	0.73499	-0.01859	0.68864	-0.02603
-0.0439	0.34384	0.04356	0.34759	-0.03532	0.44632	-0.00393	0.93252	0.106391
0.124813	0.00692	0.147497	0.00139	0.087925	0.05761	0.03564	0.44227	0.088289
-0.06002	0.1954	-0.05571	0.22947	-0.06303	0.17389	-0.06253	0.17733	-0.08683
-0.0162	0.72698	-0.09065	0.05026	0.027443	0.55415	0.140146	0.0024	0.169765
0.051483	0.26686	-0.00864	0.85224	0.016742	0.7182	0.030139	0.51588	0.052543
-0.02742	0.55452	-0.05695	0.21933	-0.00624	0.89304	-0.07419	0.10935	-0.09911
-0.08603	0.06323	-0.06429	0.16544	-0.02606	0.57426	0.036594	0.43014	-0.12499
-0.01215	0.79334	-0.02241	0.62903	-0.01217	0.79309	-0.03999	0.38861	-0.04891
-0.15643	0.00069	-0.20914	5.17E-06	-0.01673	0.7184	0.036886	0.42647	-0.12188
-0.01936	0.67648	0.038357	0.40825	0.097255	0.03564	0.046466	0.31634	0.027764
-0.05038	0.27725	-0.12162	0.00852	0.006626	0.88645	-0.02183	0.63797	-0.04001
-0.03102	0.50368	-0.08098	0.08045	-0.01396	0.76351	-0.00205	0.96476	-0.00924
-0.13949	0.00252	-0.18815	4.28E-05	-0.02895	0.53265	-0.04709	0.30989	-0.03189
0.05535	0.23255	0.036173	0.43547	-0.01551	0.73821	-0.04366	0.34654	-0.01271
-0.11237	0.01512	-0.12709	0.00595	-0.0493	0.28772	-0.02146	0.64373	-0.08552
-0.04977	0.28312	-0.14737	0.0014	0.106663	0.02114	0.036989	0.42518	-0.01715
-0.11042	0.01698	-0.09407	0.04215	-0.01315	0.77693	0.002074	0.96434	0.010928
0.074066	0.10994	0.13036	0.00478	-0.03143	0.49799	-0.01233	0.79036	-0.02436
0.059042	0.2028	-0.07585	0.10161	-0.00253	0.9566	-0.04679	0.31301	-0.06165
0.113174	0.0144	-0.15756	0.00063	-0.03832	0.40864	-0.00722	0.8763	-0.1968
0.008716	0.85099	0.068138	0.1415	-0.01402	0.76249	-0.01456	0.75367	-0.03675
0.021772	0.63886	0.146956	0.00145	0.101302	0.0286	0.170165	0.00022	0.320819
0.001639	0.97182	-0.05645	0.22339	-0.02235	0.62995	-0.04519	0.32984	-0.05546
0.328659	3.18E-13	0.23136	4.30E-07	-0.02758	0.55221	-0.09876	0.03286	0.074341
0.080221	0.08332	0.077375	0.0949	0.010698	0.81764	0.007114	0.87815	-0.03731
-0.04263	0.35796	-0.10292	0.02614	-0.02439	0.59901	-0.02947	0.52521	-0.10859
0.167329	0.00028	0.244015	9.29E-08	0.042986	0.35399	0.020927	0.65193	0.108304
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0.146359	0.00152	0.176751	0.00012	-0.02941	0.52609	-0.05173	0.26456	-0.01537
0.062692	0.17622	-0.06969	0.13262	-0.03031	0.51348	-0.06123	0.18654	-0.06888
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0.080541	0.08209	0.003681	0.93676	-0.03149	0.49728	-0.00866	0.85199	-0.04802
0.054435	0.24037	-0.00297	0.949	-0.00953	0.83721	-0.08275	0.07401	0.038085
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-0.05502	0.23538	-0.03425	0.46026	-0.0201	0.66484	0.024845	0.59227	0.002849
0.144556	0.00174	-0.02996	0.51843	-0.01393	0.764	-0.04083	0.37871	-0.01206
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0.041554	0.37027	0.208518	5.52E-06	0.070521	0.12806	0.002947	0.94935	0.052676
0.046891	0.31194	0.026815	0.56325	-0.02114	0.64859	-0.00156	0.97321	0.006181
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-0.10408	0.0245	-0.1549	0.00078	0.014843	0.74904	0.043676	0.34631	0.004199
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0.010409	0.82249	0.081851	0.07722	-0.00642	0.89001	-0.01067	0.81818	0.001376
0.065039	0.16055	0.08175	0.07759	-0.01883	0.68491	0.021536	0.6425	0.051389
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0.043521	0.34803	0.073445	0.11296	-0.04224	0.36241	-0.01495	0.7473	0.03756
0.010451	0.82178	0.039643	0.39269	-0.00532	0.90872	0.119073	0.01001	0.041459
0.196289	1.94E-05	-0.10271	0.02646	-0.07171	0.12174	-0.05853	0.20678	-0.09776
0.087043	0.06017	0.065929	0.15489	0.025394	0.58412	0.081835	0.07728	0.187372
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0.206206	7.04E-06	0.06853	0.13922	-0.00139	0.97617	-0.04953	0.28541	0.034744
-0.05844	0.20747	0.034955	0.45109	0.008989	0.84638	0.047038	0.31042	-0.01067
0.075228	0.10445	0.084116	0.06935	-0.01844	0.69104	-0.03176	0.49352	-0.04288
-0.0454	0.32762	-0.00494	0.91521	0.035766	0.44065	0.175525	0.00014	-0.00178
-0.06668	0.15024	-0.08874	0.05532	0.087032	0.0602	0.075522	0.1031	0.028903
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0.005115	0.91221	-0.24989	4.43E-08	0.006555	0.88766	-0.07295	0.11543	-0.09581
0.163093	0.0004	-0.05782	0.2123	0.026962	0.5611	-0.03122	0.50097	0.027362
0.09191	0.04714	0.020645	0.65633	-0.02084	0.65335	-0.03814	0.41092	-0.05858
-0.0713	0.12392	-0.00951	0.83761	-0.01382	0.76583	0.033591	0.46896	-0.02428
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-0.0635	0.1707	-0.00933	0.84057	-0.04291	0.35489	-0.02646	0.56839	-0.1249
0.210156	4.64E-06	0.302603	2.41E-11	0.000747	0.98716	-0.02349	0.6126	0.143108
0.132547	0.00411	0.012086	0.79448	-0.02896	0.53248	-0.16353	0.00039	-0.05081
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0.05477	0.23749	0.280171	7.18E-10	-0.02789	0.54772	-0.1329	0.00401	-0.01206
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0.110608	0.01679	0.029232	0.52859	0.019137	0.67999	-0.10397	0.02465	-0.01997
0.012365	0.78985	-0.00151	0.97408	-0.03843	0.40731	-0.0135	0.77107	-0.09033
-0.05111	0.27031	-0.0157	0.73508	-0.02649	0.56804	0.02977	0.52104	0.007739
-0.01595	0.73109	-0.00582	0.90016	-0.01012	0.82738	-0.03293	0.47772	0.002743
-0.01458	0.75326	0.040829	0.37869	0.014624	0.75262	0.033009	0.47671	0.019882
-0.01249	0.78777	0.104866	0.02343	-0.03687	0.42672	0.030349	0.51295	-0.01325
-0.03486	0.45229	-0.01703	0.71354	-0.00514	0.91172	-0.03267	0.48128	0.023763
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0.044413	0.33823	-0.00722	0.8763	0.005118	0.91217	0.011893	0.7977	-0.04647

0.055567	0.23071	0.030809	0.50659	-0.02648	0.56819	-0.01262	0.78568	-0.01411
-0.04827	0.29789	-0.14373	0.00185	-0.04935	0.28721	-0.04525	0.32921	-0.08339
-0.00553	0.9051	-0.03948	0.39461	-0.01523	0.74273	-0.0644	0.16474	0.020351
0.041449	0.37148	-0.03149	0.49724	0.007365	0.87388	0.021649	0.64076	0.10989
0.002351	0.95958	-0.12926	0.00515	-0.0417	0.36864	-0.04787	0.30195	-0.03127
-0.03041	0.51218	-0.07146	0.12303	-0.01875	0.68603	0.022178	0.63261	-0.0981
-0.04891	0.29153	-0.20938	5.04E-06	-0.05813	0.2099	-0.06914	0.13571	8.28E-06
0.208461	5.55E-06	0.212903	3.45E-06	-0.04356	0.34761	0.003529	0.93937	0.063791
-0.15151	0.00102	-0.18873	4.05E-05	0.06364	0.16976	0.091622	0.04784	0.05806
0.065716	0.15623	0.009722	0.83404	-0.03839	0.40782	0.021925	0.63651	0.113418
-0.01632	0.72496	-0.05538	0.23227	-0.00306	0.94737	-0.00492	0.91556	-0.03713
-0.01287	0.78145	-0.06254	0.17725	0.041808	0.36734	-0.02127	0.64662	-0.02199
0.198485	1.55E-05	0.233713	3.26E-07	0.029878	0.51953	-0.03232	0.4859	-0.00151
0.228482	6.02E-07	0.23895	1.73E-07	0.034976	0.45082	-0.05531	0.23288	-0.01457
-0.03148	0.49732	-0.01885	0.68457	-0.04957	0.28507	-0.0376	0.41751	-0.00829
0.026925	0.56165	-0.03022	0.51478	-0.00322	0.94471	-0.0109	0.8142	-0.04661
-0.17023	0.00022	-0.22529	8.71E-07	-0.04266	0.35766	-0.09051	0.05061	-0.13347
-0.03926	0.3973	0.025863	0.57718	-0.02071	0.65527	0.122404	0.0081	0.061501
0.058379	0.20793	0.044267	0.33982	0.004487	0.92297	-0.00848	0.855	-0.02985
-0.1165	0.01175	-0.003	0.94836	-0.04381	0.34478	-0.06724	0.14681	-0.08335
0.115892	0.0122	-0.13226	0.0042	0.035116	0.44901	0.02815	0.54398	0.201125
0.13654	0.00311	-0.02033	0.66121	-0.05049	0.27625	-0.09387	0.0426	-0.13675
0.01315	0.77685	0.325976	5.06E-13	0.032721	0.48056	0.132661	0.00408	0.190208
0.19261	2.78E-05	0.257263	1.70E-08	-0.02237	0.6297	-0.03067	0.50849	0.089675
0.024452	0.59813	0.030423	0.51194	-0.0774	0.09477	-0.14097	0.00226	-0.13994
-0.01403	0.76239	-0.10451	0.02391	0.012256	0.79166	0.028033	0.54565	0.005567
0.307243	1.15E-11	0.143469	0.00188	-0.04128	0.37341	-0.07311	0.1146	-0.0632
-0.04276	0.35655	-0.01365	0.76867	0.068848	0.13738	0.088712	0.0554	0.303625
-0.10868	0.01881	-0.29424	8.83E-11	-0.01338	0.77309	-0.05749	0.21498	-0.09019
-0.03345	0.4708	-0.09766	0.03487	0.00516	0.91145	0.051053	0.27089	0.056355
-0.11085	0.01655	-0.14665	0.00148	0.03554	0.44356	0.187676	4.48E-05	0.107392
-0.23302	3.54E-07	-0.40946	2.64E-20	-0.00461	0.92088	-0.00282	0.95149	-0.08035
-0.21926	1.72E-06	-0.19477	2.25E-05	-0.03461	0.45555	-0.01587	0.73224	-0.1544
-0.05743	0.21544	0.049344	0.28727	0.024567	0.59642	0.073459	0.11288	-0.01965
0.074243	0.10909	0.188037	4.33E-05	-0.04679	0.31302	-0.08067	0.0816	-0.14424
0.163895	0.00038	0.149028	0.00124	0.001383	0.97621	-0.05256	0.257	-0.05523
-0.09228	0.04625	-0.1421	0.00208	0.005827	0.90006	0.030379	0.51254	0.01904
-0.1924	2.84E-05	-0.41863	3.06E-21	0.023004	0.62	0.039673	0.39234	0.052469
0.084772	0.0672	0.298	4.95E-11	0.129066	0.00522	0.303306	2.15E-11	0.375201
0.019278	0.67776	-0.1121	0.01537	0.092454	0.04584	0.090801	0.04988	0.074814
-0.09063	0.05032	0.19199	2.96E-05	-0.04766	0.30409	0.024946	0.59077	-0.01493
0.098926	0.03257	0.024353	0.59962	-0.03731	0.42114	0.002291	0.96062	-0.03395
-0.04188	0.36652	0.07376	0.11142	0.001132	0.98054	-4.10E-05	0.9993	0.079524
-0.03478	0.45332	-0.03209	0.48903	0.105519	0.02258	0.181094	8.30E-05	0.239257
-0.08247	0.075	-0.04899	0.29076	0.049646	0.28433	0.07423	0.10915	-0.04961

0.119672	0.00964	-0.05999	0.19566	-0.06192	0.18164	-0.16569	0.00032	-0.19545
-0.05998	0.19572	-0.22125	1.38E-06	-0.08434	0.06862	-0.14381	0.00184	-0.11363
0.033404	0.47144	0.094849	0.04048	0.0049	0.9159	0.020338	0.66111	0.142215
-0.15058	0.0011	-0.45458	3.42E-25	0.007702	0.86816	-0.11923	0.00991	-0.1696
-0.13288	0.00402	-0.13017	0.00484	0.068589	0.13888	0.285602	3.24E-10	-0.03031
-0.1837	6.52E-05	-0.14591	0.00157	-0.01749	0.70613	0.247901	5.71E-08	-0.21626
-0.14103	0.00225	-0.05401	0.24406	0.048244	0.29816	0.25525	2.22E-08	-0.13778
-0.20078	1.23E-05	-0.24928	4.79E-08	0.003194	0.94511	0.199472	1.41E-05	-0.18866
-0.16606	0.00031	-0.46424	2.45E-26	-0.0039	0.93306	-0.00266	0.9543	-0.18767
-0.15329	0.00089	-0.18807	4.32E-05	-0.01295	0.78014	0.228394	6.09E-07	-0.23869
-0.03501	0.45034	0.038151	0.41077	0.036392	0.4327	0.004439	0.92378	0.097172
-0.1581	0.00061	-0.32669	4.47E-13	0.018468	0.69059	0.082497	0.07491	-0.03293
0.1385	0.0027	0.131022	0.00457	0.038568	0.40567	0.212734	3.52E-06	-0.05236
0.190368	3.46E-05	0.179853	9.30E-05	0.064506	0.16401	0.232236	3.88E-07	-0.05206
0.127526	0.00578	0.103987	0.02462	0.018915	0.68349	0.198391	1.57E-05	-0.04957
0.177759	0.00011	0.111495	0.01593	0.015739	0.73444	0.135838	0.00327	-0.07201
0.038205	0.41011	-0.00916	0.84346	-0.04786	0.30206	-0.0099	0.83108	0.088959
0.057743	0.21294	0.091719	0.0476	-0.0561	0.22627	-0.08349	0.07147	0.029024
-0.00275	0.9528	-0.00641	0.89006	0.003183	0.94531	-0.0308	0.50667	-0.07754
-0.06458	0.16353	-0.09899	0.03247	0.012626	0.78551	0.042549	0.35891	0.070757
-0.15619	0.00071	-0.36698	2.46E-16	0.034608	0.45561	0.034402	0.4583	-0.00664
0.01083	0.81544	-0.23369	3.27E-07	-0.01219	0.79268	-0.02873	0.53565	-0.03048
0.250648	4.02E-08	-0.0383	0.40888	-0.04877	0.29292	-0.01261	0.78581	-0.00634
-0.16731	0.00028	-0.14995	0.00115	0.049751	0.28331	0.092685	0.0453	0.219852
-0.11866	0.01028	-0.35033	6.25E-15	0.029174	0.52941	0.020182	0.66355	-0.0161
0.155463	0.00075	0.486546	3.99E-29	0.02524	0.58639	0.068911	0.13703	0.190851
-0.15464	0.0008	-0.32158	1.07E-12	-0.00405	0.93042	-0.02876	0.53533	-0.06067
0.124059	0.00727	-0.0223	0.63074	0.024418	0.59864	-0.05173	0.26455	0.068671
-0.13917	0.00258	-0.1401	0.00241	0.076517	0.09863	0.023685	0.60968	0.29412
0.079415	0.08648	0.18839	4.19E-05	0.026909	0.56187	0.052341	0.25897	0.255575
0.224002	1.01E-06	0.111468	0.01596	-0.01392	0.76415	-0.16634	0.00031	-0.17006
-0.06994	0.13123	-0.21732	2.13E-06	0.010552	0.82009	-0.04918	0.28885	-0.03559
-0.03796	0.41315	0.193806	2.48E-05	0.085001	0.06646	0.278914	8.60E-10	0.056393
-0.07064	0.12742	0.00884	0.8489	0.130081	0.00487	0.319818	1.45E-12	0.408198
0.15112	0.00105	0.32472	6.28E-13	0.020309	0.66157	0.14466	0.00172	-0.02965
-0.08837	0.05634	-0.30151	2.86E-11	0.028657	0.53675	-0.04252	0.3592	0.015926
-0.07101	0.12546	0.122216	0.00819	-0.03729	0.42139	-0.11055	0.01685	-0.07455
0.321112	1.16E-12	0.327498	3.89E-13	0.01668	0.71921	0.004099	0.92961	0.076397
-0.10984	0.01757	-0.17489	0.00015	0.089153	0.05419	0.322993	8.44E-13	-0.06972
-0.1786	0.0001	-0.21686	2.24E-06	0.027997	0.54616	0.060764	0.18992	0.167139
-0.05555	0.23088	-0.17074	0.00021	0.016789	0.71745	0.021438	0.64402	0.224246
0.058478	0.20716	-0.17587	0.00013	0.010919	0.81396	-0.04746	0.30606	0.084145
-0.04049	0.38261	-0.10072	0.02954	0.012166	0.79315	-0.02188	0.63719	-0.07593
-0.04698	0.31101	-0.12404	0.00728	0.005088	0.91268	-0.02796	0.54668	-0.09813
0.181852	7.74E-05	0.310806	6.45E-12	-0.05114	0.27009	-0.10802	0.01955	-0.05103

-0.08899	0.05464	-0.11567	0.01237	0.002152	0.963	0.066385	0.15205	-0.05811
-0.02505	0.58915	-0.02736	0.55534	0.090042	0.05183	0.098024	0.0342	0.237037
0.158442	0.00059	-0.16094	0.00048	-0.0219	0.63686	-0.08113	0.07985	-0.12065
0.143811	0.00184	0.326619	4.52E-13	-0.01333	0.77391	-0.09495	0.04026	0.031071
-0.11713	0.0113	-0.35898	1.19E-15	-0.00232	0.96019	-0.06435	0.16504	-0.09414
0.059804	0.19703	-0.16804	0.00026	0.086316	0.06235	-0.05739	0.21573	0.263843
-0.11319	0.01439	-0.49927	8.25E-31	0.023154	0.61771	-0.01669	0.71903	-0.08076
-0.05181	0.26385	-0.16328	0.0004	0.013481	0.77139	0.059359	0.20039	0.115617
-0.0084	0.85632	-0.2246	9.42E-07	0.00498	0.91453	-0.04515	0.33021	-0.1135
0.095689	0.03873	-0.09062	0.05034	-0.03613	0.436	-0.0862	0.0627	-0.19608
-0.06706	0.14792	-0.2187	1.83E-06	0.007819	0.86617	-0.01387	0.76503	0.128648
0.010493	0.82109	-0.05549	0.23136	0.026537	0.56731	0.011899	0.79759	0.113991
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0.112236	0.01524	0.127343	0.00586	-0.02586	0.57726	-0.03947	0.39472	0.057456
0.012287	0.79115	-0.09941	0.03173	0.033415	0.47129	0.078867	0.08868	0.087495
-0.19429	2.36E-05	-0.25794	1.56E-08	0.004251	0.927	0.056051	0.22667	0.058274
-0.0334	0.4715	-0.07206	0.11991	-0.068	0.14233	0.036892	0.42639	-0.40189
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-0.06717	0.14726	-0.06244	0.17794	0.016256	0.72605	0.06885	0.13738	0.110269
0.050382	0.27724	-0.03434	0.45915	0.090919	0.04958	0.105438	0.02268	0.362064
0.179879	9.28E-05	-0.0984	0.03351	0.030434	0.51178	-0.0484	0.29659	0.111441
-0.147	0.00144	-0.23508	2.77E-07	0.067742	0.14383	0.110442	0.01696	0.277216
0.074262	0.109	-0.09327	0.04396	0.059341	0.20052	-0.07374	0.1115	0.058884
0.171922	0.00019	0.344696	1.79E-14	-0.02763	0.55138	-0.04913	0.28933	0.130709
0.13626	0.00317	0.176292	0.00013	0.048294	0.29767	0.223165	1.11E-06	0.106795
-0.04745	0.30622	-0.18171	7.84E-05	0.077793	0.09312	0.063482	0.17082	-0.00013
0.014836	0.74915	-0.15084	0.00108	-0.01077	0.81652	-0.09786	0.03451	-0.10602
0.160429	0.0005	0.18022	8.99E-05	0.01381	0.76597	-0.05072	0.27399	0.16983
-0.02079	0.65409	-0.24356	9.84E-08	0.023773	0.60835	-0.04612	0.31998	-0.02757
-0.03432	0.45936	0.073319	0.11357	0.086581	0.06155	0.144799	0.00171	0.240642
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0.016417	0.72346	-0.02277	0.62352	0.086989	0.06033	0.259765	1.22E-08	0.139463
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0.03884	0.40237	-0.18018	9.03E-05	-0.04137	0.37236	-0.06087	0.18917	-0.11912
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0.010553	0.82008	-0.21509	2.72E-06	0.041817	0.36724	-0.0257	0.57961	0.095529
-0.15815	0.0006	-0.42055	1.94E-21	-0.05024	0.27864	-0.12491	0.00688	-0.04615
0.074853	0.1062	-0.33223	1.70E-13	-0.00323	0.94455	-0.10697	0.02077	-0.13163
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-0.06184	0.18215	-0.01189	0.79776	0.020265	0.66226	0.096455	0.03719	-0.05261
-0.01306	0.7783	-0.00315	0.94594	0.020983	0.65107	0.030711	0.50794	-0.00866
0.038591	0.40539	0.444723	4.62E-24	0.075462	0.10337	0.131142	0.00453	0.216057
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0.100704	0.02956	-0.18742	4.59E-05	0.013068	0.7782	0.010458	0.82166	-0.00188

-0.02268	0.62488	-0.10743	0.02023	0.012491	0.78777	-0.0595	0.1993	-0.00147
-0.04745	0.30617	-0.10156	0.0282	0.031229	0.5008	0.001641	0.97179	-0.03265
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0.006122	0.89503	0.059608	0.1985	0.042337	0.36131	0.109573	0.01785	0.024757
0.189809	3.65E-05	0.43329	8.54E-23	0.085668	0.06435	0.188496	4.14E-05	0.180904
0.287381	2.49E-10	0.156532	0.00069	0.332233	1.70E-13	0.215503	2.60E-06	0.338659
0.143646	0.00186	0.387406	3.59E-18	0.032823	0.4792	0.18884	4.01E-05	0.233721
0.248052	5.60E-08	0.45003	1.15E-24	0.054074	0.2435	0.145165	0.00166	0.174021
0.149216	0.00122	0.068257	0.1408	0.112038	0.01542	0.179724	9.41E-05	0.131188
0.215054	2.73E-06	0.265535	5.62E-09	0.073017	0.11507	0.289701	1.76E-10	-0.01284
0.101768	0.02787	0.055295	0.23301	0.005018	0.91388	0.077328	0.0951	-0.01511
0.034221	0.46066	0.179482	9.62E-05	0.203202	9.61E-06	0.459883	8.11E-26	0.099209
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0.001618	0.97218	0.05803	0.21067	0.251383	3.66E-08	0.403836	9.57E-20	0.157625
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-0.06138	0.18543	-0.03409	0.46235	0.04394	0.3434	0.152115	0.00098	0.134802
-0.07618	0.10013	-0.23554	2.62E-07	0.149215	0.00122	0.041801	0.36742	0.378939
-0.0576	0.21407	-0.19999	1.33E-05	-0.04585	0.32279	-0.03358	0.46908	-0.14052
-0.07368	0.11181	0.044518	0.33708	-0.03689	0.42638	0.04489	0.33306	-0.23907
0.182161	7.52E-05	0.057554	0.21444	-0.00351	0.93977	-0.04901	0.29056	-0.06925
0.008243	0.85899	-0.12757	0.00577	0.075725	0.10218	0.025926	0.57626	0.298962
-0.01676	0.71787	0.007672	0.86866	0.053016	0.25286	0.034019	0.46332	0.101977
-0.07924	0.08717	-0.03442	0.45802	-0.01223	0.79213	0.005985	0.89736	-0.01105
-0.20523	7.79E-06	-0.13305	0.00397	0.038031	0.41224	0.130127	0.00485	0.062694
0.009231	0.84231	-0.18692	4.82E-05	0.159654	0.00053	0.076499	0.09871	0.291179
0.109727	0.01769	-0.0543	0.24151	0.001896	0.9674	-0.14437	0.00176	0.013296
0.127337	0.00586	0.163038	0.0004	0.016307	0.72522	0.055288	0.23306	-0.13027
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0.055446	0.23173	0.237128	2.16E-07	0.120866	0.00894	0.123142	0.00772	0.185741
-0.07182	0.12119	-0.07648	0.09879	0.000629	0.98919	-0.00011	0.99817	-0.06677
-0.0005	0.99134	-0.02136	0.64519	0.022516	0.62744	-0.04266	0.3576	0.008185
-0.05093	0.27207	-0.11722	0.01124	-0.02775	0.54975	0.059389	0.20016	-0.07961
0.265589	5.57E-09	0.259441	1.28E-08	-0.02501	0.58985	-0.04122	0.3741	0.147117
0.328395	3.32E-13	0.270266	2.93E-09	0.021819	0.63814	-0.07747	0.09447	0.097198
-0.03788	0.41408	-0.40476	7.75E-20	-0.0012	0.97934	-0.04627	0.31839	-0.021
-0.04977	0.28312	-0.08585	0.06379	0.059263	0.20112	0.161716	0.00045	0.117338
0.047937	0.30125	0.045273	0.32895	0.008757	0.8503	-0.11125	0.01616	-0.21528
0.064042	0.16708	0.109943	0.01747	0.11721	0.01125	0.275648	1.37E-09	0.239676
0.160892	0.00048	0.344362	1.90E-14	-0.02507	0.58889	-0.07194	0.12054	-0.10224
0.030463	0.51137	-0.31217	5.16E-12	-0.04129	0.37328	-0.17002	0.00022	-0.12348
0.192796	2.73E-05	0.31225	5.09E-12	0.013417	0.77245	0.014401	0.75626	0.096196
0.190086	3.56E-05	0.09136	0.04848	-0.00655	0.88781	-0.06519	0.15958	0.091733
-0.1171	0.01132	-0.22883	5.79E-07	0.022938	0.62101	0.046983	0.31099	-0.05685
-0.14145	0.00218	-0.23616	2.43E-07	0.052467	0.25782	0.230162	4.95E-07	0.078609

0.020577	0.65739	-0.13465	0.00355	-0.04412	0.34144	-0.14748	0.00139	-0.10471
-0.20897	5.26E-06	-0.26493	6.10E-09	0.089762	0.05256	0.141443	0.00219	0.207681
0.041409	0.37194	0.075647	0.10253	0.088156	0.05695	0.098419	0.03348	0.100913
0.050361	0.27744	0.045778	0.32358	0.062956	0.1744	0.276342	1.24E-09	0.105202
0.128134	0.00555	0.103241	0.02568	0.03371	0.46739	-0.08123	0.07951	0.162987
0.108766	0.01872	-0.12595	0.00642	0.078152	0.09161	-0.01792	0.6993	0.013742
-0.02204	0.6347	-0.09084	0.04977	0.100645	0.02966	0.05836	0.20808	0.180558
-0.08722	0.05964	-0.15987	0.00052	0.007949	0.86398	0.156912	0.00067	0.088369
-0.09355	0.04331	-0.13113	0.00453	0.038032	0.41224	-0.01621	0.72674	0.0895
0.195625	2.07E-05	0.307898	1.03E-11	0.116821	0.01152	0.160674	0.00049	0.199611
-0.02706	0.55971	0.057707	0.21322	0.073815	0.11115	0.035843	0.43968	0.271649
-0.13775	0.00285	-0.16808	0.00026	-0.00144	0.97517	-0.02503	0.58948	-0.02116
-0.1496	0.00118	-0.19978	1.36E-05	-0.03252	0.48331	-0.08103	0.08025	0.008573
-0.06044	0.19231	-0.0801	0.08379	0.004622	0.92065	0.020508	0.65846	0.051374
-0.15292	0.00092	-0.16222	0.00043	0.038364	0.40815	0.068405	0.13994	0.096676
-0.06167	0.18337	0.048879	0.29184	-0.02429	0.60058	-0.02164	0.64093	-0.06129
-0.01885	0.68453	0.143744	0.00184	0.00274	0.9529	-0.00602	0.89682	0.103712
0.131973	0.00428	0.135127	0.00344	0.121506	0.00858	0.159119	0.00056	0.268055
0.107086	0.02063	0.295253	7.56E-11	-0.04074	0.37968	-0.11077	0.01664	0.012407
-0.03716	0.423	0.068715	0.13815	0.052745	0.2553	0.083874	0.07016	0.136304
-0.10999	0.01742	-0.14649	0.0015	-0.02038	0.66039	0.048297	0.29764	0.026202
-0.05064	0.27483	-0.06463	0.16317	0.003944	0.93226	0.024405	0.59884	0.022153
-0.10175	0.02791	-0.12412	0.00724	-0.00393	0.93258	0.068522	0.13926	-0.0016
0.035742	0.44096	-0.0212	0.64776	-0.07908	0.08783	-0.17459	0.00015	-0.18433
0.210179	4.63E-06	0.136244	0.00318	-0.03363	0.46843	0.009996	0.82942	0.090369
0.033329	0.47244	-0.16151	0.00046	-0.03029	0.51378	-0.1311	0.00454	-0.15748
-0.04168	0.36884	-0.01632	0.72503	-0.04416	0.34103	0.065926	0.15491	-0.07967
-0.16161	0.00045	-0.12856	0.0054	-0.01631	0.72525	0.102591	0.02663	-0.08014
0.033734	0.46707	-0.24287	1.07E-07	-0.03651	0.43119	-0.0599	0.19628	-0.16409
0.34381	2.10E-14	0.198925	1.49E-05	-0.01674	0.7182	-0.20913	5.17E-06	0.019384
-0.06113	0.18725	-0.32999	2.52E-13	-0.03055	0.51023	-0.09774	0.03472	-0.051
0.081931	0.07693	0.080264	0.08315	0.025814	0.57791	-0.04387	0.34418	0.111683
-0.12157	0.00854	-0.06134	0.18573	0.080322	0.08293	0.15856	0.00058	0.134699
-0.04994	0.2815	-0.09674	0.03662	0.01871	0.68675	-0.00539	0.90744	-0.03388
0.136035	0.00322	-0.02631	0.57057	0.004897	0.91595	-0.05229	0.25941	-0.01174
0.150526	0.0011	0.068171	0.14131	0.022111	0.63365	-0.00349	0.94008	0.006055
0.063917	0.1679	-0.17896	0.0001	0.011167	0.8098	0.006164	0.89431	-0.08225
-0.23273	3.66E-07	-0.43035	1.77E-22	-0.01114	0.81025	-0.00423	0.92729	0.000761
-0.16788	0.00027	-0.0249	0.59147	-0.01177	0.79969	0.083192	0.07248	0.0146
0.004081	0.92991	0.156326	0.0007	0.005047	0.91338	0.024106	0.60333	-0.05741
0.010997	0.81264	-0.04839	0.29673	0.028498	0.539	0.014535	0.75407	0.1137
0.140324	0.00237	-0.17006	0.00022	0.248487	5.30E-08	0.070725	0.12696	0.169643
-0.00202	0.96529	0.015633	0.73616	0.065452	0.1579	0.033819	0.46595	0.176578
-0.05053	0.27581	-0.23906	1.71E-07	0.015172	0.74367	-0.00996	0.83004	-0.07424
0.02605	0.57444	0.059935	0.19605	0.004396	0.92452	0.023481	0.61276	-0.14181

0.168469	0.00026	0.250272	4.22E-08	0.024789	0.59311	0.165638	0.00032	0.297802
-0.0802	0.08341	0.00155	0.97335	0.081642	0.07798	0.177921	0.00011	0.219149
0.077296	0.09524	-0.28702	2.63E-10	-0.04238	0.36085	-0.06386	0.16825	-0.26471
0.125813	0.00648	-0.09346	0.04352	0.030463	0.51138	-0.04638	0.31725	-0.09616
0.152435	0.00095	0.222078	1.25E-06	0.028464	0.53949	0.001454	0.975	0.101033
0.231883	4.05E-07	-0.03912	0.39892	-0.07231	0.11866	-0.15137	0.00103	-0.11509
0.05874	0.20513	-0.18434	6.14E-05	0.018759	0.68596	-0.03295	0.47752	-0.05301
-0.03404	0.463	-0.05758	0.21423	0.015836	0.73285	0.004993	0.9143	-0.02272
-0.09298	0.0446	-0.25776	1.59E-08	-0.04947	0.286	-0.04133	0.37285	-0.13865
-0.14565	0.0016	-0.32677	4.41E-13	0.007218	0.87638	-0.09239	0.04599	-0.08977
-0.04951	0.28565	-0.05829	0.20865	0.069029	0.13635	0.120318	0.00925	0.305898
-0.07366	0.11191	0.054061	0.24361	0.108689	0.0188	0.116868	0.01149	0.209592
-0.07256	0.11738	-0.16826	0.00026	0.074977	0.10562	0.113052	0.01451	0.071258
-0.0205	0.65866	-0.22636	7.70E-07	-0.01798	0.69839	-0.10316	0.02579	-0.17401
0.177574	0.00011	0.419075	2.76E-21	-0.00667	0.88568	-0.00229	0.96072	0.207404
0.016212	0.72676	-0.25419	2.55E-08	0.00747	0.8721	0.122029	0.00829	-0.05511
0.086692	0.06121	0.316179	2.66E-12	0.026757	0.56409	0.018597	0.68854	0.186339
-0.19654	1.89E-05	-0.04663	0.31468	0.159315	0.00055	0.177961	0.00011	0.341389
-0.11841	0.01043	-0.18178	7.79E-05	0.021978	0.63568	0.011551	0.80339	-0.06143
0.00372	0.9361	-0.07536	0.10386	0.191996	2.96E-05	0.340628	3.77E-14	0.302502
0.051729	0.26458	-0.00226	0.96123	0.028843	0.5341	0.003297	0.94336	0.011867
-0.05073	0.27391	0.010573	0.81974	0.031808	0.4929	-0.00809	0.86151	-0.04851
-0.03661	0.43	-0.1187	0.01025	-0.03578	0.44049	-0.10756	0.02007	-0.09946
0.014141	0.76054	0.307324	1.13E-11	0.054405	0.24062	0.181344	8.11E-05	0.055355
-0.0246	0.59588	-0.12847	0.00543	-0.05258	0.25683	-0.12222	0.00819	-0.18104
0.032244	0.48699	-0.08163	0.07803	0.065184	0.15961	-0.0013	0.97765	-0.00168
-0.06687	0.14904	-0.06448	0.16416	-0.00807	0.86193	0.003815	0.93447	0.000802
-0.09364	0.04311	-0.16587	0.00032	0.015473	0.73876	-0.03171	0.49417	0.046725
-0.04925	0.28816	-0.18645	5.03E-05	-0.01248	0.78802	-0.06136	0.18558	-0.07482
0.159777	0.00053	0.188311	4.22E-05	0.001151	0.98021	-0.10003	0.03068	-0.03266
-0.09269	0.04529	-0.09295	0.04468	0.059293	0.20089	0.049246	0.28823	0.194195
-0.18828	4.23E-05	-0.29345	9.97E-11	-0.07512	0.10496	-0.14681	0.00147	-0.2198
-0.0865	0.0618	-0.14909	0.00123	-0.02885	0.53407	0.011795	0.79933	0.009931
0.199985	1.34E-05	0.038565	0.4057	-0.02743	0.5543	-0.11821	0.01057	-0.12445
0.103986	0.02462	0.003915	0.93276	0.036371	0.43296	-0.09663	0.03685	0.037742
0.122966	0.00781	0.214617	2.87E-06	0.027826	0.54862	0.139655	0.00249	0.142517
0.18877	4.04E-05	0.168334	0.00026	-0.06619	0.15324	-0.2203	1.53E-06	-0.14798
-0.01031	0.82412	-0.23164	4.16E-07	-0.01676	0.71799	-0.14957	0.00119	-0.1662
0.019285	0.67765	0.243768	9.58E-08	0.033214	0.47397	0.049266	0.28804	-0.01489
-0.07396	0.11046	-0.00761	0.86969	-0.00112	0.98075	-0.04676	0.31328	-0.08338
0.084067	0.06952	0.248008	5.63E-08	0.071282	0.12399	0.086106	0.063	0.110575
0.115412	0.01257	0.236673	2.28E-07	-0.00329	0.94343	-0.09336	0.04374	-0.00253
-0.08656	0.0616	-0.2542	2.54E-08	-0.04908	0.28987	-0.10584	0.02216	-0.21093
0.161623	0.00045	0.070168	0.12999	0.017026	0.71363	-0.03353	0.46971	-0.05989
0.075019	0.10542	0.128146	0.00555	-0.00702	0.87981	0.06699	0.14834	-0.04915

0.165452	0.00033	-0.05172	0.26466	-0.03466	0.45489	-0.08123	0.07951	-0.13248
0.066317	0.15247	0.146508	0.0015	0.102455	0.02683	0.258402	1.46E-08	0.033346
-0.15931	0.00055	-0.25948	1.27E-08	-0.06917	0.13555	-0.10589	0.0221	-0.11825
0.13186	0.00431	0.105585	0.02249	-0.01109	0.81101	-0.07817	0.09156	-0.0072
-0.07746	0.09453	-0.29628	6.45E-11	-0.02687	0.5625	-0.09168	0.04769	-0.10283
0.145645	0.0016	0.061055	0.18781	0.029607	0.52332	-0.06229	0.17905	0.064706
0.056572	0.22238	-0.02885	0.53399	0.030514	0.51066	0.031938	0.49114	0.090851
0.011147	0.81013	-0.18845	4.16E-05	0.066651	0.15041	-0.0227	0.62461	0.131481
0.024228	0.60151	0.058351	0.20815	0.120963	0.00888	0.102003	0.02751	0.165665
0.112603	0.01491	0.04927	0.288	0.047407	0.30663	0.055051	0.23508	-0.06835
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-0.09119	0.04889	-0.23758	2.05E-07	0.074772	0.10658	0.053294	0.25038	0.193614
-0.05278	0.25499	-0.14202	0.0021	0.001734	0.97019	-0.05478	0.23739	-0.05204
-0.00289	0.95028	-0.15997	0.00052	0.023457	0.61312	0.068381	0.14008	-0.07457
0.060865	0.18918	0.369571	1.47E-16	0.031676	0.4947	0.201474	1.15E-05	0.057398
0.235775	2.55E-07	0.321272	1.13E-12	0.000503	0.99135	0.007859	0.86549	0.13552
0.280096	7.25E-10	0.42725	3.81E-22	0.023727	0.60905	-0.0971	0.03594	0.066448
-0.14763	0.00138	-0.30738	1.12E-11	-0.0472	0.3088	-0.02707	0.55952	-0.10349
0.091385	0.04842	-0.07187	0.1209	-0.02776	0.54959	-0.04676	0.3133	-0.23233
-0.11721	0.01125	0.049898	0.28189	0.062048	0.18071	0.08962	0.05294	-0.02305
-0.02593	0.57619	0.034784	0.45331	0.022707	0.62452	-0.06341	0.17129	-0.01768
-0.05764	0.21379	-0.21885	1.80E-06	0.031257	0.50042	-0.03682	0.42731	-0.04957
0.177947	0.00011	0.380915	1.42E-17	0.031186	0.5014	0.067185	0.14716	0.079349
-0.03288	0.4784	0.018449	0.69089	0.032175	0.48791	0.095027	0.0401	0.242506
-0.01032	0.82397	-0.10905	0.01841	-0.02518	0.5873	-0.11859	0.01032	-0.08461
0.063855	0.16832	0.008867	0.84845	0.004393	0.92456	-0.02681	0.56337	-0.08421
-0.17307	0.00017	-0.23066	4.67E-07	0.011926	0.79715	-0.10611	0.02183	0.039563
0.046341	0.31765	-0.00546	0.90638	0.207042	6.45E-06	0.272167	2.24E-09	0.031978
-0.15557	0.00074	-0.32851	3.26E-13	-0.01914	0.67986	-0.07272	0.11656	-0.12393
0.028077	0.54501	0.150951	0.00107	0.011173	0.8097	0.004994	0.9143	0.088157
0.053859	0.24539	-0.06376	0.16894	-0.04732	0.30752	-0.1346	0.00356	-0.23718
0.268457	3.76E-09	0.109195	0.01825	-0.01593	0.73135	-0.12072	0.00902	0.003355
0.218679	1.83E-06	0.21306	3.39E-06	0.030617	0.50924	0.041542	0.3704	-0.06951
-0.28597	3.07E-10	-0.45091	9.11E-25	-0.04896	0.29107	-0.14395	0.00182	-0.2584
0.135564	0.00333	-0.19102	3.25E-05	-0.01729	0.70941	-0.06259	0.17696	-0.116
0.063307	0.17201	0.096596	0.03691	0.12863	0.00537	0.075632	0.1026	0.361174
0.129768	0.00497	0.028587	0.53773	0.0434	0.34937	0.116291	0.01191	-0.00199
-0.0777	0.09353	-0.05678	0.22071	0.038934	0.40123	0.157042	0.00066	-0.19717
-0.15732	0.00065	-0.3629	5.54E-16	0.00115	0.98022	-0.02903	0.53149	-0.02319
-0.00256	0.95593	-0.17518	0.00014	-0.03098	0.50422	-0.0878	0.05796	-0.15753
0.026986	0.56076	0.027284	0.55644	-0.02046	0.65928	-0.01162	0.80223	-0.12228
0.011377	0.8063	0.025075	0.58885	0.009455	0.83852	-0.03254	0.483	-0.03328
0.192208	2.89E-05	0.138063	0.00279	-0.01191	0.79741	-0.04828	0.29776	-0.05788
-0.17871	0.0001	-0.40056	2.00E-19	-0.02755	0.55261	-0.09763	0.03493	-0.11729
-0.02834	0.54132	-0.43107	1.49E-22	-0.02012	0.66456	-0.10568	0.02237	-0.17207



-0.13392	0.00374	-0.41743	4.08E-21	-0.03168	0.49466	-0.10218	0.02725	-0.11482
-0.00772	0.86778	-0.01642	0.72334	0.042944	0.35447	0.016634	0.71995	0.005492
-0.05222	0.26004	0.142654	0.002	0.080228	0.08329	0.354965	2.59E-15	0.118859
-0.0378	0.41505	-0.16003	0.00052	-0.00011	0.99815	-0.05647	0.2232	-0.03449
0.210264	4.58E-06	0.006876	0.88219	0.003831	0.93419	-0.03006	0.51692	-0.07116
-0.04449	0.33742	-0.02762	0.55151	-0.01819	0.69507	-0.06632	0.15246	-0.06685
0.16963	0.00023	-0.12944	0.00509	-0.059	0.20315	-0.07548	0.10328	-0.24304
-0.11469	0.01314	-0.40499	7.36E-20	0.000178	0.99694	-0.04561	0.32541	-0.08287
0.030392	0.51236	0.159033	0.00056	0.157983	0.00061	0.335828	8.96E-14	0.409237
-0.01646	0.72275	-0.06156	0.18414	0.026753	0.56414	0.002768	0.95243	0.012603
-0.02638	0.56967	-0.18934	3.82E-05	-0.03295	0.47743	-0.0564	0.22378	-0.15464
0.078864	0.08869	0.064077	0.16684	0.014201	0.75954	0.019084	0.68082	0.032679
0.084747	0.06728	-0.04116	0.3748	0.156226	0.0007	0.159129	0.00056	0.379699
-0.01796	0.6986	-0.1645	0.00036	0.118652	0.01028	0.033482	0.4704	0.235144
0.132928	0.00401	-0.2742	1.69E-09	0.001458	0.97494	-0.07735	0.09502	-0.09798
-0.09843	0.03345	-0.0701	0.13038	-0.0626	0.17689	-0.06048	0.19203	-0.26559
-0.15901	0.00056	0.11583	0.01225	0.045024	0.33161	0.176719	0.00012	0.094641
-0.01712	0.71218	-0.11132	0.01609	-0.00125	0.97849	0.062774	0.17566	0.074515
-0.16327	0.0004	0.069307	0.13478	0.053503	0.24853	0.179462	9.64E-05	0.114054
-0.02593	0.57622	-0.01775	0.70208	0.087438	0.05901	0.039584	0.39341	0.130266
0.272255	2.22E-09	0.121455	0.0086	-0.00379	0.93495	0.014648	0.75222	-0.04515
0.034392	0.45843	0.126244	0.0063	-0.01923	0.67854	0.015117	0.74456	0.07813
-0.00058	0.99006	-0.03724	0.422	0.061535	0.18435	0.10943	0.018	0.138864
-0.10847	0.01904	-0.26337	7.53E-09	-0.00665	0.88604	0.01664	0.71986	-0.0599
0.069262	0.13503	-0.13292	0.00401	-0.08398	0.06979	-0.07866	0.08953	0.022064
0.068143	0.14147	-0.25581	2.06E-08	0.019151	0.67977	-0.07474	0.10672	-0.04878
-0.00095	0.98371	-0.20041	1.28E-05	0.005484	0.90592	-0.01207	0.79478	0.004287
0.010249	0.82517	-0.2696	3.21E-09	-0.00936	0.84015	-0.04786	0.30201	-0.11777
0.027831	0.54854	-0.03662	0.42983	0.053921	0.24484	-0.06253	0.17733	0.000307
0.077964	0.0924	0.293196	1.04E-10	0.105755	0.02227	0.279172	8.29E-10	0.303941
-0.16521	0.00034	-0.25796	1.55E-08	-0.01322	0.77561	0.000605	0.98959	-0.03204
-0.06204	0.18074	-0.10163	0.02809	-0.01004	0.82869	-0.03497	0.4509	-0.06128
-0.06218	0.1798	-0.24265	1.10E-07	-0.03587	0.43932	-0.03839	0.40784	-0.05729
-0.13682	0.00305	-0.28581	3.14E-10	0.046006	0.32117	0.071778	0.12139	0.125054
-0.16479	0.00035	-0.07496	0.10572	0.064408	0.16466	0.250147	4.29E-08	0.032299
-0.10292	0.02615	-0.40043	2.06E-19	-0.04852	0.29538	-0.1643	0.00036	-0.15865
-0.05484	0.23685	-0.21195	3.83E-06	0.205904	7.26E-06	0.155428	0.00075	0.093934
-0.12491	0.00688	-0.17144	0.0002	-0.06135	0.18571	-0.08188	0.07712	-0.05978
0.22168	1.31E-06	0.168377	0.00026	-0.02589	0.57674	0.0023	0.96047	0.049538
-0.07745	0.09457	-0.21485	2.79E-06	0.012782	0.78294	-0.02876	0.53534	-0.05259
0.020381	0.66044	0.067258	0.14672	0.021255	0.64684	-0.00572	0.90192	-0.0563
-0.15501	0.00078	-0.26404	6.88E-09	-0.00487	0.9164	0.038602	0.40526	-0.10657
-0.2268	7.32E-07	-0.28175	5.71E-10	0.085177	0.0659	0.232867	3.60E-07	0.293075
0.024575	0.5963	-0.05511	0.23454	-0.00402	0.9309	-0.02568	0.57993	-0.01212
-0.05737	0.21593	-0.25106	3.82E-08	-0.00639	0.89052	-0.05228	0.25949	0.03147

-0.09605	0.03801	0.177315	0.00012	-0.00119	0.97946	0.09324	0.04402	0.136171
0.060263	0.1936	0.239423	1.64E-07	0.109033	0.01843	0.12538	0.00667	0.234447
-0.02892	0.53296	-0.0563	0.22458	0.042816	0.3559	0.071621	0.12221	0.069282
0.098816	0.03277	-0.03575	0.44084	-0.00101	0.98257	-0.12626	0.00629	-0.07254
0.044068	0.342	0.030728	0.50771	0.079961	0.08433	0.076716	0.09775	0.11311
0.042164	0.36328	0.081615	0.07808	0.049067	0.28999	0.053179	0.2514	0.188756
-0.21753	2.08E-06	-0.28058	6.76E-10	0.073997	0.11027	0.048456	0.29604	0.061659
-0.0204	0.66019	-0.02719	0.5578	-0.02811	0.54457	-0.05219	0.26031	-0.04861
-0.04221	0.36279	-0.04604	0.32081	0.215774	2.53E-06	0.022946	0.62087	0.383576
0.14708	0.00144	-0.05315	0.25163	-0.06632	0.15245	-0.17988	9.28E-05	-0.17602
-0.0705	0.12816	-0.22531	8.68E-07	-0.00062	0.98929	-0.07053	0.12802	-0.11933
-0.1555	0.00075	-0.44353	6.30E-24	-0.02404	0.6043	-0.01966	0.67172	-0.17671
0.152156	0.00097	0.403902	9.42E-20	0.029656	0.52263	0.069096	0.13597	0.195998
0.072815	0.11609	-0.05381	0.24583	-0.00924	0.84216	-0.00866	0.85187	0.039236
-0.27716	1.11E-09	-0.36674	2.59E-16	-0.06389	0.16809	-0.15037	0.00112	-0.14513
0.065239	0.15927	0.185048	5.75E-05	0.129047	0.00522	0.128739	0.00533	0.368932
0.001031	0.98227	-0.1296	0.00503	0.053699	0.24679	0.031984	0.49051	0.020563
0.010737	0.817	0.036454	0.43191	-0.00808	0.86182	0.017999	0.69805	-0.03727
0.009721	0.83405	-0.34926	7.64E-15	0.017674	0.70325	-0.12836	0.00547	-0.07053
-0.0795	0.08616	-0.33443	1.15E-13	0.00346	0.94055	0.054357	0.24104	-0.10256
-0.09999	0.03075	-0.19558	2.08E-05	-0.02919	0.52914	-0.04971	0.28368	-0.06593
0.028753	0.53538	-0.02605	0.57446	0.065237	0.15927	0.036634	0.42964	0.111471
-0.05073	0.27394	-0.31091	6.33E-12	0.034916	0.4516	-0.06543	0.15804	-0.09447
-0.0682	0.14112	-0.26431	6.64E-09	0.054212	0.24231	0.002151	0.96302	0.091453
0.246184	7.09E-08	0.430597	1.67E-22	-0.00427	0.92673	0.006272	0.89247	-0.012
-0.08518	0.06589	-0.20201	1.09E-05	0.00411	0.92941	0.017807	0.70112	-0.02414
0.048005	0.30057	-0.25263	3.12E-08	0.021916	0.63665	0.01543	0.73946	-0.01846
-0.03655	0.43068	-0.10919	0.01826	0.011126	0.81048	-0.01717	0.71137	0.017716
-0.11086	0.01655	-0.39124	1.57E-18	0.001515	0.97396	-0.01563	0.73618	-0.05176
0.110839	0.01657	0.29955	3.89E-11	0.05102	0.2712	0.127008	0.00599	0.243254
0.026762	0.56402	-0.07991	0.08453	-0.0048	0.91764	0.136583	0.0031	0.012945
-0.02017	0.66369	0.065893	0.15512	-0.01026	0.82494	0.063367	0.1716	-0.04673
-0.1066	0.02122	-0.11816	0.0106	-0.01959	0.67287	-0.02641	0.5691	0.042611
0.13084	0.00462	0.194665	2.27E-05	0.081956	0.07684	0.200016	1.33E-05	0.237553
-0.06614	0.15355	-0.04821	0.29846	0.003263	0.94393	0.032689	0.48099	0.043319
-0.0954	0.03931	-0.02395	0.60561	0.049477	0.28597	0.297051	5.73E-11	0.339224
0.143192	0.00192	0.135782	0.00328	-0.02398	0.60518	-0.04992	0.28171	0.031052
-0.02525	0.58627	0.085186	0.06587	0.084915	0.06674	0.150867	0.00107	0.264561
-0.03127	0.50023	0.074815	0.10638	0.035508	0.44397	0.132763	0.00405	0.273112
-0.03096	0.50456	-0.06492	0.1613	-0.0075	0.87152	-0.01742	0.70727	-0.03422
0.038937	0.40118	-0.03869	0.40416	-0.00971	0.83423	-0.0196	0.67267	-0.03572
-0.08817	0.05692	-0.11996	0.00947	0.031861	0.49218	0.082789	0.07388	0.135123
0.032125	0.4886	-0.03693	0.42595	0.044208	0.34046	0.027646	0.5512	0.05064
-0.04225	0.36226	-0.03194	0.49114	-0.00693	0.88125	-0.02929	0.52779	0.044697
0.063148	0.17309	-0.02735	0.55545	0.016471	0.72258	0.01693	0.71518	0.009896

-0.06296	0.17438	-0.06616	0.15345	0.120408	0.0092	0.241807	1.22E-07	0.112349
0.119393	0.00981	0.208457	5.55E-06	-0.08233	0.07548	-0.14636	0.00152	-0.06954
0.017708	0.7027	-0.05903	0.20292	0.002066	0.96448	-0.01456	0.75364	-0.05526
-0.04	0.38849	-0.39465	7.44E-19	-0.02528	0.58584	-0.1217	0.00847	-0.01009
0.022434	0.6287	-0.08942	0.05346	0.037785	0.41527	0.001566	0.97308	-0.01167
-0.02286	0.62218	-0.04882	0.29239	-0.00738	0.87362	-0.01327	0.77486	-0.00873
0.056354	0.22416	-0.12296	0.00781	0.040535	0.38213	0.001822	0.96868	-0.04719
0.11471	0.01312	0.012101	0.79423	0.032737	0.48035	-0.00717	0.87712	-0.01136
0.181514	7.98E-05	0.119748	0.00959	0.031293	0.49993	-0.03841	0.4076	0.056099
0.048271	0.29789	0.004218	0.92756	0.06908	0.13606	0.038907	0.40155	0.14643
-0.09005	0.0518	-0.13597	0.00324	0.034776	0.45342	-0.02844	0.53987	0.05632
0.278853	8.68E-10	0.07348	0.11278	-0.0422	0.36286	-0.16052	0.0005	-0.19025
-0.04622	0.31893	0.037105	0.42372	-0.01468	0.75175	-0.01276	0.78334	-0.11349
0.063545	0.1704	-0.1783	0.00011	-0.04464	0.33574	-0.09276	0.04513	-0.06317
0.227052	7.11E-07	0.052053	0.2616	0.00357	0.93867	-0.02883	0.53424	-0.03099
0.003528	0.93939	-0.03028	0.51391	0.073569	0.11235	0.139365	0.00254	0.212693
-0.03613	0.43595	-0.10358	0.0252	0.001751	0.9699	-0.01477	0.75025	0.000308
0.175236	0.00014	-0.12591	0.00644	-0.00162	0.97206	-0.07656	0.09844	-0.08126
0.103088	0.0259	-0.02587	0.57716	-0.02667	0.56543	-0.10248	0.0268	-0.03153
-0.06803	0.14211	-0.04931	0.28764	0.029741	0.52144	0.091554	0.048	0.070978
-0.05904	0.20279	0.020342	0.66105	0.066445	0.15168	0.105058	0.02318	0.216913
0.006102	0.89537	0.011532	0.80371	0.035286	0.44682	0.062848	0.17515	-0.08172
0.014576	0.7534	-0.06856	0.13906	0.00683	0.88297	0.019211	0.67881	0.029277
0.164457	0.00036	0.23799	1.95E-07	0.00443	0.92394	0.010986	0.81283	-0.02631
-0.17313	0.00017	-0.14219	0.00207	0.095477	0.03916	0.408668	3.17E-20	0.05198
-0.20506	7.93E-06	-0.15663	0.00068	0.069001	0.13652	0.230942	4.52E-07	0.111961
-0.06141	0.18522	-0.30543	1.53E-11	0.011768	0.79978	0.047041	0.31039	0.003671
0.049379	0.28693	-0.40374	9.78E-20	-0.05997	0.19579	-0.09099	0.04941	-0.19101
0.059458	0.19963	-0.14548	0.00162	-0.01088	0.81452	-0.00897	0.84671	-0.07647
0.049997	0.28093	0.069457	0.13394	-0.04312	0.35252	-0.09733	0.0355	-0.12456
-0.13244	0.00414	-0.23297	3.56E-07	0.054606	0.23889	0.113457	0.01416	0.05968
-0.16946	0.00023	-0.04694	0.31143	0.148062	0.00133	0.311965	5.33E-12	0.386637
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0.054251	0.24196	0.181553	7.96E-05	0.030491	0.51098	0.056605	0.22211	0.159277
-0.13191	0.0043	-0.00205	0.96481	-0.07407	0.10992	-0.05714	0.21778	-0.20963
-0.13378	0.00378	-0.09867	0.03303	0.011157	0.80997	-0.00806	0.8621	-0.06704
-0.14249	0.00202	0.209129	5.17E-06	0.047797	0.30267	0.166207	0.00031	0.015102
0.19337	2.58E-05	0.396797	4.63E-19	0.013301	0.77436	-0.02544	0.58337	0.126501
0.094668	0.04086	0.17676	0.00012	0.008738	0.85062	0.087463	0.05894	0.09322
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0.07839	0.09063	-0.09814	0.03399	0.01932	0.67709	-0.03758	0.41776	0.080085
-0.09348	0.04348	-0.00501	0.91407	-0.02695	0.56126	0.042797	0.35611	-0.06897
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0.077376	0.09489	-0.27317	1.95E-09	-0.02155	0.64233	-0.09678	0.03656	-0.06459
-0.07024	0.12958	-0.41109	1.81E-20	-0.02373	0.60904	-0.0334	0.47147	-0.11741
0.033586	0.46902	0.232761	3.65E-07	-0.01543	0.73943	0.059141	0.20204	-0.15145
0.049261	0.28809	-0.14249	0.00202	0.044064	0.34204	0.04105	0.37611	0.051579
-0.11243	0.01507	-0.33964	4.51E-14	-0.03377	0.4666	-0.11605	0.01209	-0.16542
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0.003416	0.94132	-0.05076	0.27362	-0.00054	0.99066	-0.00058	0.99007	-0.02766
0.023466	0.61299	-0.0837	0.07076	0.026301	0.57075	-0.01315	0.77682	-0.03023
0.000216	0.99628	-0.07401	0.11021	0.026451	0.56855	-0.0182	0.69479	-0.04505
0.003694	0.93655	-0.09679	0.03652	0.036589	0.4302	0.006675	0.8856	-0.01285
-0.08721	0.05968	-0.18493	5.81E-05	-0.00474	0.9187	-0.02665	0.56561	-0.06028
-0.16979	0.00023	-0.21261	3.56E-06	0.017852	0.70039	0.047866	0.30197	-0.01851
-0.21484	2.80E-06	-0.15494	0.00078	0.002988	0.94866	0.062048	0.18071	0.004717
0.078766	0.08909	-0.04022	0.38588	-0.00648	0.88896	-0.01222	0.79231	-0.13172
-0.11891	0.01011	-0.07238	0.11826	-0.0539	0.24501	-0.10533	0.02283	-0.1436
0.054005	0.2441	-0.25712	1.73E-08	0.023439	0.61339	0.043998	0.34277	0.102714
0.138441	0.00272	0.190617	3.38E-05	0.049733	0.28349	-0.01578	0.73375	0.179023
-0.04258	0.35856	-0.17503	0.00014	0.100593	0.02974	-0.03878	0.40307	0.262228
-0.05008	0.2801	-0.26991	3.08E-09	0.016344	0.72463	-0.05455	0.23934	-0.08694
0.11957	0.0097	0.124621	0.00701	0.032733	0.48041	0.136457	0.00313	0.06843
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0.110674	0.01673	0.050119	0.27976	-0.01138	0.80626	-0.08197	0.07679	-0.0075
-0.06997	0.13106	-0.07358	0.11232	0.039354	0.39616	0.033375	0.47182	0.216303
-0.125	0.00684	-0.18657	4.98E-05	0.04328	0.35071	0.074239	0.10911	0.054086
0.151305	0.00104	0.25442	2.47E-08	-0.02708	0.55936	-0.01782	0.70085	-0.1005
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-0.06855	0.13911	0.138456	0.00271	0.058717	0.20531	0.269515	3.25E-09	0.172244
-0.13098	0.00458	-0.32025	1.34E-12	-0.031	0.504	-0.08862	0.05564	-0.11943
0.227277	6.93E-07	0.421192	1.66E-21	-0.02104	0.65013	0.137811	0.00284	-0.0027
0.222053	1.26E-06	0.071831	0.12111	0.020052	0.66558	0.036149	0.43578	0.015189
0.169279	0.00024	0.198889	1.49E-05	0.011146	0.81016	0.107578	0.02006	0.057918
-0.10474	0.0236	-0.0547	0.23812	-0.01335	0.77361	0.039678	0.39228	0.028883
-0.10517	0.02303	-0.01581	0.73324	0.04182	0.36721	0.085642	0.06443	0.077719
-0.14917	0.00122	0.028119	0.54442	0.044779	0.33426	0.12903	0.00523	0.264513
0.003995	0.93139	-0.36828	1.90E-16	-0.08757	0.05864	-0.209	5.24E-06	-0.21115
0.129586	0.00504	0.287929	2.29E-10	0.000294	0.99494	0.026144	0.57305	0.057786
0.067494	0.14531	-0.07234	0.11849	0.023625	0.61058	-0.00703	0.87962	0.059321
-0.00948	0.83803	0.012518	0.78732	0.034033	0.46313	0.142795	0.00198	0.216522
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0.001074	0.98154	0.198699	1.52E-05	0.015653	0.73583	0.085686	0.0643	0.011333
0.206086	7.13E-06	-0.17789	0.00011	-0.0029	0.95015	-0.05917	0.20182	-0.13421
0.059452	0.19968	0.114736	0.0131	0.113353	0.01425	0.276738	1.18E-09	0.326865
0.011337	0.80696	-0.03867	0.40446	-0.00858	0.85321	-0.06177	0.18267	-0.05177

-0.00168	0.97107	0.033311	0.47268	0.005021	0.91382	-0.06141	0.18523	-0.11234
0.056522	0.22278	-0.04663	0.31464	0.085723	0.06418	0.021873	0.63731	0.102831
-0.20002	1.33E-05	-0.27606	1.29E-09	-0.00406	0.93022	0.01169	0.80108	0.007381
0.145913	0.00157	0.165775	0.00032	-0.0154	0.73998	0.125413	0.00665	-0.10701
0.122289	0.00816	-0.01921	0.67875	-0.03423	0.46053	-0.04812	0.29943	-0.15763
0.021178	0.64803	-0.06935	0.13453	-0.01996	0.667	-0.06326	0.17236	0.010868
-0.00105	0.98199	-0.05308	0.25231	0.00492	0.91555	0.045299	0.32867	0.046606
0.097467	0.03524	-0.05908	0.20252	-0.04859	0.29466	-0.16053	0.0005	-0.09098
-0.02199	0.63554	-0.16962	0.00023	0.067525	0.14512	0.179754	9.39E-05	0.034207
0.092883	0.04484	0.403062	1.14E-19	0.121625	0.00851	0.406435	5.29E-20	0.10261
0.003836	0.9341	-0.06974	0.13235	0.068101	0.14171	-0.04896	0.291	0.177363
0.168364	0.00026	0.197796	1.67E-05	0.036137	0.43593	0.105912	0.02207	0.072207
0.175186	0.00014	-0.16136	0.00046	0.009383	0.83973	-0.13231	0.00418	0.125739
-0.08188	0.07712	-0.13928	0.00256	-0.00805	0.86225	-0.03619	0.4352	-0.07493
-0.02676	0.56404	0.091233	0.04879	0.102695	0.02647	0.245699	7.53E-08	0.096878
-0.02288	0.62185	-0.44034	1.43E-23	-0.0682	0.14114	-0.20334	9.48E-06	-0.23109
-0.08646	0.0619	-0.26242	8.56E-09	0.009561	0.83674	0.100248	0.03031	-0.1401
-0.21166	3.95E-06	-0.35287	3.86E-15	0.037727	0.416	0.059733	0.19756	0.280745
-0.01226	0.79159	-0.14835	0.0013	-0.0161	0.72854	-0.07598	0.10104	-0.03416
0.081898	0.07705	-0.08449	0.06812	0.06552	0.15747	0.021884	0.63714	0.102625
-0.07252	0.11759	-0.09258	0.04555	0.015348	0.74079	0.066213	0.15312	-0.02698
0.028805	0.53464	0.018987	0.68236	0.014983	0.74674	0.035104	0.44917	0.035572
0.035512	0.44391	0.093575	0.04326	0.039188	0.39815	0.127494	0.0058	-0.02479
-0.09108	0.04917	-0.34712	1.14E-14	-0.03463	0.45528	-0.09225	0.04632	-0.00799
-0.10727	0.02042	-0.02057	0.65754	0.195093	2.18E-05	0.242279	1.15E-07	0.364128
-0.08845	0.05613	-0.32969	2.65E-13	0.014068	0.76173	-0.06778	0.14362	-0.01259
0.141706	0.00214	-0.00709	0.87847	-0.02362	0.61059	-0.05329	0.25042	-0.11951
0.113867	0.01381	-0.0836	0.07108	-0.01415	0.76037	-0.05524	0.23345	-0.03723
-0.10071	0.02955	-0.07209	0.11978	0.05431	0.24145	0.031105	0.50251	-0.01037
-0.0386	0.40524	-0.04702	0.31056	-0.05162	0.26558	-0.09431	0.04165	-0.03653
-0.1217	0.00847	-0.2549	2.32E-08	0.003892	0.93315	-0.02938	0.52657	0.159037
0.316939	2.34E-12	-0.11842	0.01043	-0.05248	0.25769	-0.12534	0.00669	-0.09413
0.073757	0.11143	-0.24544	7.78E-08	-0.0101	0.82767	0.008835	0.84899	-0.20605
-0.0489	0.29161	-0.22769	6.61E-07	-0.02389	0.60657	-0.08154	0.07835	-0.07435
0.019877	0.66833	0.0121	0.79426	0.093953	0.04242	0.20248	1.04E-05	0.214582
0.061472	0.1848	0.199121	1.46E-05	0.051514	0.26658	-0.03106	0.50308	0.004219
-0.10732	0.02036	-0.18424	6.20E-05	-0.00697	0.88065	-0.08474	0.0673	-0.06458
-0.04829	0.29773	-0.16445	0.00036	0.029813	0.52043	0.04941	0.28663	0.077973
-0.08469	0.06747	0.062188	0.17973	0.146953	0.00145	0.307812	1.05E-11	0.212965
0.098379	0.03355	0.357552	1.57E-15	0.028024	0.54577	-0.01529	0.74176	0.084698
-0.06808	0.14183	-0.07369	0.11177	0.038568	0.40567	0.119847	0.00953	0.144711
-0.09361	0.04318	-0.17353	0.00016	-0.00946	0.83848	-0.03978	0.39105	-0.08531
0.015183	0.74348	0.099675	0.03127	0.069491	0.13374	0.15252	0.00094	0.167386
-0.00997	0.82987	0.074789	0.1065	0.063489	0.17077	0.07895	0.08834	0.345251
0.054984	0.23565	-0.06511	0.16006	-0.02658	0.56673	-0.09533	0.03946	0.010412

0.055744	0.22923	0.174827	0.00015	-0.01968	0.67143	0.062676	0.17633	0.16625
0.161481	0.00046	0.182749	7.12E-05	0.003107	0.94661	-0.0618	0.18246	0.075729
-0.04452	0.33712	0.035186	0.4481	-0.0525	0.25749	-0.05804	0.21057	-0.02869
-0.03883	0.40245	-0.06619	0.15325	0.027705	0.55037	-0.02231	0.63058	0.073433
0.013288	0.77458	-0.15761	0.00063	0.072216	0.11913	0.11779	0.01085	0.249283
0.029674	0.52237	-0.10492	0.02336	-0.00328	0.94367	-0.05575	0.22918	-0.03307
0.028165	0.54376	-0.03016	0.51561	0.01962	0.67236	-0.03722	0.42226	0.069737
0.025718	0.57932	0.09947	0.03162	-0.01563	0.73625	-0.07016	0.13001	-0.08753
-0.16551	0.00033	-0.16141	0.00046	0.033996	0.46362	0.092139	0.04659	0.022216
0.050013	0.28078	0.078251	0.09121	-0.00572	0.90183	0.016855	0.71639	-0.03225
-0.07671	0.09777	-0.2071	6.41E-06	-0.01229	0.79102	0.092626	0.04544	-0.12127
-0.10178	0.02786	-0.07057	0.12778	0.018562	0.68908	0.073355	0.1134	0.009799
-0.08791	0.05765	-0.19982	1.36E-05	-0.03502	0.45025	-0.10777	0.01984	-0.04832
-0.00455	0.92187	0.068758	0.1379	0.047858	0.30205	0.067672	0.14424	0.111592
0.146321	0.00152	0.371118	1.07E-16	0.058263	0.20884	0.236457	2.35E-07	0.075851
-0.02176	0.63905	0.026965	0.56106	0.026552	0.56708	0.061754	0.18279	0.141561
0.129182	0.00518	0.096036	0.03802	0.017562	0.70504	0.086461	0.06191	0.018734
-0.00895	0.84706	0.020755	0.65461	0.008134	0.86083	-0.05813	0.20987	-0.10663
-0.05861	0.20616	-0.11597	0.01215	-0.01022	0.82562	-0.06386	0.1683	-0.07287
0.045083	0.33099	-0.05147	0.26694	-0.01546	0.73902	-0.10494	0.02333	-0.04867
0.041347	0.37266	-0.0158	0.73339	0.023231	0.61655	-0.01743	0.7072	-0.00734
0.04398	0.34297	-0.07881	0.08889	-0.03168	0.4947	-0.04901	0.29058	-0.03825
-0.03644	0.43205	-0.07825	0.09123	0.024392	0.59905	0.033328	0.47245	0.015802
-0.03732	0.42106	-0.12798	0.00561	-0.01956	0.67337	0.012144	0.79352	-0.02269
0.065184	0.15962	-0.0752	0.10459	-0.029	0.53186	-0.07083	0.1264	-0.01469
0.041987	0.3653	-0.04628	0.31834	-0.02232	0.6305	-0.03029	0.51372	-0.01655
0.01859	0.68864	-0.05863	0.20596	-0.01275	0.78347	0.002204	0.96212	0.026332
-0.0496	0.2848	-0.0389	0.40164	-0.01496	0.74716	-0.00814	0.86079	-0.02282
-0.01157	0.803	-0.02154	0.64244	0.040892	0.37795	0.003359	0.94229	-0.02483
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0.024094	0.60352	-0.02377	0.6084	-0.01679	0.71744	-0.0326	0.48219	-0.02697
-0.00882	0.8493	-0.17313	0.00017	-0.0541	0.24326	-0.05915	0.202	-0.10857
-0.03399	0.4637	-0.10577	0.02225	-0.07273	0.11654	-0.03937	0.39594	-0.10437
-0.14447	0.00175	-0.36914	1.60E-16	-0.04898	0.29083	-0.16962	0.00023	-0.05686
-0.04015	0.38666	-0.0533	0.2503	-0.0018	0.96911	-0.01972	0.67085	-0.02968
-0.04318	0.35181	-0.1265	0.00619	0.01945	0.67504	-0.02982	0.5204	0.072383
-0.03973	0.39163	0.054528	0.23956	-0.0198	0.66962	-0.01574	0.7344	-0.06832
-0.0807	0.08148	-0.02795	0.5468	0.078247	0.09122	0.132747	0.00406	0.239618
0.099672	0.03128	0.276866	1.15E-09	0.054204	0.24237	0.082246	0.0758	0.098745
0.073259	0.11388	-0.05903	0.20291	-0.04388	0.34401	-0.20311	9.71E-06	-0.14793
0.100783	0.02943	0.082496	0.07491	0.002962	0.9491	0.064591	0.16346	0.064324
0.091136	0.04903	-0.06877	0.13784	0.012843	0.78192	-0.00839	0.85647	0.000686
0.011095	0.811	-0.17742	0.00012	0.020452	0.65933	0.034471	0.45739	0.111658
-0.11438	0.01339	-0.11311	0.01446	0.041157	0.37487	0.143299	0.00191	0.020909
0.037203	0.4225	0.035019	0.45026	0.005653	0.90303	0.056669	0.22158	0.059322

-0.04938	0.28693	-0.21496	2.76E-06	0.034363	0.4588	-0.01025	0.82523	0.22631
-0.07722	0.09554	0.018836	0.68474	-0.05585	0.22838	-0.02312	0.6182	-0.09174
-0.00382	0.93444	0.033204	0.4741	-0.01394	0.76381	0.01433	0.75743	-0.02153
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0.121827	0.0084	-0.03336	0.47201	0.009931	0.83052	-0.00955	0.83701	-0.03591
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0.127541	0.00578	0.425479	5.88E-22	0.097929	0.03437	0.218987	1.77E-06	0.046477
-0.18433	6.15E-05	-0.028	0.54608	-0.01342	0.77237	0.003576	0.93857	0.135514
0.176434	0.00013	-0.07411	0.10972	0.022947	0.62086	-0.05147	0.26703	0.054463
0.062113	0.18025	-0.11851	0.01037	0.006991	0.88024	-0.06288	0.17495	0.002642
0.132997	0.00399	-0.05505	0.23505	0.026614	0.56617	0.005897	0.89886	0.057444
0.178989	0.0001	0.281436	5.97E-10	-0.00508	0.91287	-0.01619	0.72707	-0.01728
-0.06442	0.16461	-0.08962	0.05295	0.143916	0.00182	0.12136	0.00866	0.103599
-0.02288	0.62193	-0.19244	2.83E-05	-0.01178	0.7996	-0.02062	0.65678	-0.05858
0.084199	0.06908	-0.2275	6.75E-07	-0.02859	0.53773	-0.0718	0.12128	-0.18413
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0.269999	3.04E-09	0.440266	1.46E-23	-0.00469	0.91952	-0.07571	0.10223	0.025623
0.187667	4.48E-05	0.397623	3.86E-19	-0.01017	0.82642	0.053269	0.2506	0.102463
0.128513	0.00541	-0.2719	2.33E-09	0.022842	0.62246	-0.05824	0.209	-0.03386
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0.087985	0.05744	0.232006	3.99E-07	0.07759	0.09398	0.081894	0.07707	0.030613
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0.112721	0.0148	-0.0627	0.17617	-0.03298	0.47714	-0.05351	0.24844	0.028648
0.035437	0.44487	-0.20007	1.32E-05	-0.02062	0.6567	-0.06387	0.16824	-0.07902
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0.071944	0.12053	-0.25966	1.24E-08	0.057794	0.21253	0.00986	0.83171	0.079581
0.010929	0.81377	-0.37644	3.61E-17	-0.00558	0.90434	-0.05241	0.25831	-0.11635
0.039736	0.39158	0.35786	1.48E-15	0.141956	0.0021	0.163202	0.0004	0.382301
-0.02645	0.56862	0.167285	0.00028	0.013346	0.77361	0.026971	0.56097	0.047569
-0.01102	0.81229	-0.19235	2.86E-05	0.017477	0.70639	-0.11408	0.01364	-0.09772
0.016075	0.72899	-0.09568	0.03874	0.016338	0.72474	0.001615	0.97223	0.002083
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0.139758	0.00247	0.039235	0.39759	0.057557	0.21442	-0.01411	0.7611	0.060244
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0.031634	0.49526	0.165933	0.00032	-0.01982	0.66926	0.035815	0.44003	0.066235
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0.11878	0.0102	0.182168	7.52E-05	0.026947	0.56133	0.125941	0.00643	-0.00865
0.052632	0.25632	-0.09883	0.03274	0.004565	0.92163	-0.0779	0.09269	-0.04449
0.181751	7.81E-05	0.216585	2.31E-06	-0.00822	0.85936	0.002154	0.96297	0.074304
0.02982	0.52034	0.204773	8.17E-06	-0.03097	0.5044	-0.06461	0.16334	-0.11498
0.039393	0.3957	0.085499	0.06488	0.083241	0.07231	0.023433	0.61349	-0.02013
0.179144	9.92E-05	0.294399	8.62E-11	0.004846	0.91682	0.002172	0.96267	-0.03203

-0.06667	0.15029	-0.08417	0.06916	0.013041	0.77865	0.172282	0.00018	0.044792
0.041536	0.37048	0.121481	0.00859	0.111332	0.01609	0.392209	1.27E-18	0.282833
0.027661	0.551	-0.04134	0.37276	-0.05335	0.24989	-0.11324	0.01435	-0.12374
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0.001471	0.97471	-0.45114	8.55E-25	-0.05903	0.20287	-0.2051	7.90E-06	-0.22272
0.01012	0.82735	-0.29407	9.07E-11	-0.02541	0.58382	-0.11884	0.01016	-0.15213
0.039734	0.39162	-0.05739	0.21573	-0.00699	0.88026	0.007339	0.87431	-0.00904
0.002453	0.95784	-0.31338	4.22E-12	0.106361	0.02151	0.206736	6.66E-06	-0.04923
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0.205817	7.33E-06	-0.15751	0.00064	-0.01469	0.75147	-0.12178	0.00843	0.026881
-0.03057	0.50986	-0.41049	2.08E-20	0.012652	0.78508	0.010054	0.82845	0.067768
-0.06131	0.18597	-0.03548	0.44433	0.144027	0.00181	0.143926	0.00182	0.117045
0.08687	0.06068	-0.00896	0.84686	-0.01547	0.73883	-0.081	0.08035	-0.00442
0.074694	0.10695	-0.05252	0.25737	0.005845	0.89976	0.100351	0.03014	0.005629
0.210212	4.61E-06	-0.05127	0.26886	0.043838	0.34453	-0.06444	0.16442	0.038123
0.03152	0.49683	0.024997	0.59001	-0.00295	0.94927	-0.03026	0.51415	-0.09242
0.179383	9.71E-05	-0.156	0.00072	0.021379	0.64493	-0.02227	0.63113	0.004136
-0.05821	0.20929	0.228266	6.18E-07	0.006681	0.88551	0.136102	0.00321	-0.07352
0.216697	2.28E-06	0.308603	9.22E-12	0.029361	0.52678	0.072658	0.11688	0.069004
0.200846	1.22E-05	-0.1159	0.0122	-0.00654	0.88795	-0.06559	0.15702	-0.01172
-0.1253	0.0067	-0.17174	0.00019	0.002663	0.95424	-0.02086	0.65303	-0.07113
0.063112	0.17333	0.361734	6.97E-16	0.025035	0.58945	0.08708	0.06006	0.001897
-0.07531	0.10406	-0.26275	8.19E-09	-0.04493	0.33265	-0.1971	1.79E-05	-0.09409
-0.11038	0.01702	-0.28963	1.78E-10	-0.02163	0.64098	-0.05429	0.24158	-0.10052
0.140064	0.00242	-0.11399	0.01371	0.038313	0.40879	0.07692	0.09686	-0.16439
0.128889	0.00528	0.028081	0.54496	0.030785	0.50692	0.100488	0.02991	0.000632
0.159489	0.00054	-0.23526	2.71E-07	-0.01017	0.82646	-0.14102	0.00225	-0.13817
0.132549	0.00411	0.344118	1.99E-14	0.019304	0.67734	-0.0021	0.96382	-0.05536
-0.16731	0.00028	0.192728	2.75E-05	0.117606	0.01097	0.259169	1.32E-08	0.374401
-0.09984	0.03099	0.275473	1.41E-09	0.011118	0.81062	0.168435	0.00026	0.093384
-0.1133	0.01429	-0.17589	0.00013	-0.01766	0.70351	-0.02416	0.60245	-0.04612
0.163698	0.00038	0.035883	0.43916	-0.00628	0.89241	-0.06408	0.16685	-0.12736
0.252213	3.29E-08	0.272684	2.09E-09	-0.01292	0.78063	0.070227	0.12966	-0.07508
-0.05917	0.20183	0.044381	0.33857	-0.02531	0.5854	-0.02081	0.65375	0.075655
-0.008	0.86309	-0.02231	0.63052	-0.00798	0.86344	-0.01045	0.82187	0.021053
-0.05862	0.20608	-0.1196	0.00968	-0.01441	0.75606	-0.04911	0.2896	0.006272
-0.19351	2.55E-05	-0.14847	0.00129	-0.02149	0.64316	0.031513	0.49692	-0.09521
0.00109	0.98126	0.030887	0.50551	0.046195	0.31918	0.194192	2.38E-05	0.00114
-0.11795	0.01074	-0.14243	0.00203	0.057247	0.2169	0.044262	0.33987	-0.04375
-0.04762	0.3045	-0.08554	0.06476	0.00249	0.9572	-0.01493	0.74762	-0.04376
-0.00847	0.85521	-0.10025	0.0303	0.002918	0.94986	0.0557	0.2296	-0.11515
-0.1511	0.00106	-0.35256	4.09E-15	0.001152	0.9802	-0.08257	0.07465	-0.05116
-0.12331	0.00764	-0.26821	3.89E-09	0.017766	0.70177	0.178581	0.0001	-0.15023



-0.08612	0.06295	-0.18593	5.29E-05	0.074015	0.11018	0.136082	0.00321	0.034503
0.000293	0.99496	-0.3895	2.28E-18	0.041861	0.36674	-0.01708	0.71276	0.017593
0.062782	0.1756	-0.16648	0.0003	0.021017	0.65054	0.011063	0.81153	0.081762
0.222474	1.20E-06	0.33536	9.74E-14	-0.00454	0.92208	0.074606	0.10736	-0.13064
0.111846	0.0156	-0.11717	0.01128	-0.0401	0.38726	-0.06495	0.16114	-0.00675
-0.07889	0.0886	-0.24547	7.75E-08	-0.02271	0.62443	-0.06726	0.14674	-0.06182
-0.1609	0.00048	-0.02278	0.62336	0.004132	0.92904	0.095403	0.03932	-0.0746
-0.0814	0.07888	-0.31685	2.38E-12	0.032112	0.48877	-0.08432	0.06868	0.163278
0.235829	2.53E-07	0.424545	7.38E-22	0.192631	2.78E-05	0.080133	0.08366	0.35669
0.272441	2.16E-09	0.173342	0.00017	-0.02291	0.62136	-0.07414	0.10958	0.004041
-0.11499	0.0129	-0.32938	2.80E-13	-0.04875	0.2931	-0.12308	0.00775	-0.12152
0.039234	0.39761	0.126355	0.00625	-0.02953	0.52439	-0.00704	0.87948	0.013925
-0.07374	0.11154	-0.29113	1.42E-10	0.012556	0.78669	-0.09619	0.03771	-0.01758
0.020492	0.65871	-0.14744	0.0014	0.021406	0.64451	-0.04146	0.37133	-0.02408
-0.01913	0.68006	-0.06261	0.1768	0.048603	0.29458	-0.02481	0.59283	0.114833
-0.00791	0.86455	0.118733	0.01023	0.084058	0.06955	0.214782	2.82E-06	0.289954
0.051643	0.26538	-0.00425	0.92702	0.003804	0.93465	-0.00212	0.96355	0.102004
-0.10179	0.02785	-0.16943	0.00023	0.024155	0.6026	0.046322	0.31785	0.148437
-0.10397	0.02465	-0.1178	0.01084	0.031863	0.49215	-9.29E-06	0.99984	0.077065
0.192491	2.82E-05	0.46151	5.20E-26	0.086945	0.06046	0.139851	0.00245	0.297344
-0.11617	0.012	-0.24057	1.42E-07	0.014041	0.76217	-0.03032	0.51331	-0.05203
0.011726	0.80047	-0.19991	1.35E-05	0.021453	0.64378	-0.04177	0.36775	0.043834
-0.12031	0.00926	-0.2125	3.60E-06	0.007566	0.87046	-0.01402	0.76245	0.03224
0.016551	0.72128	0.160127	0.00051	0.031212	0.50104	0.119501	0.00974	0.011226
-0.18125	8.18E-05	-0.4498	1.22E-24	0.092085	0.04671	0.192754	2.74E-05	0.082299
-0.13334	0.00389	-0.27099	2.65E-09	0.004369	0.92498	-0.06247	0.17773	-0.05532
-0.16605	0.00031	-0.25085	3.92E-08	0.051486	0.26684	0.007312	0.87478	0.154004
0.005621	0.90357	-0.06825	0.14085	-0.02655	0.56717	0.039928	0.3893	-0.02397
-0.02152	0.64273	-0.11413	0.01359	-0.00845	0.85554	-0.01812	0.69618	-0.04181
-0.1612	0.00047	-0.22561	8.40E-07	0.015899	0.73184	0.021062	0.64984	0.25242
-0.0879	0.05769	-0.21287	3.47E-06	-0.04282	0.35591	-0.06077	0.18987	-0.07926
-0.01574	0.73446	-0.11466	0.01316	0.035523	0.44377	-0.00778	0.86676	-0.01716
0.15266	0.00093	0.441194	1.15E-23	-0.0252	0.58702	-0.01886	0.68431	-0.10116
0.152581	0.00094	-0.11903	0.01003	-0.00737	0.87387	-0.10086	0.02931	0.082867
0.209578	4.93E-06	0.065428	0.15806	-0.02471	0.59427	0.029481	0.52509	-0.09906
0.010038	0.82872	-0.37624	3.76E-17	-0.0228	0.6231	-0.14355	0.00187	-0.07149
-0.00365	0.93734	-0.16118	0.00047	0.020357	0.66081	0.007731	0.86767	0.1248
0.192084	2.93E-05	0.405671	6.30E-20	0.009359	0.84015	0.062111	0.18027	0.079543
-0.00804	0.86249	0.098048	0.03415	0.133041	0.00397	0.181133	8.27E-05	0.335023
-0.01278	0.78296	-0.02844	0.53981	0.002083	0.96419	-0.06582	0.15558	-0.05217
-0.02078	0.65417	-0.06837	0.14013	-0.07662	0.09816	-0.15312	0.0009	0.017224
0.047955	0.30108	-0.13249	0.00413	-0.06367	0.16955	-0.13631	0.00316	-0.17303
0.129849	0.00495	-0.01572	0.73471	-0.01818	0.69516	-0.03262	0.48197	0.086507
0.193544	2.54E-05	0.266457	4.95E-09	0.061251	0.18639	-0.05835	0.20814	0.206624
0.017022	0.7137	0.004369	0.92498	-0.00778	0.8669	-0.0289	0.53334	0.082707

0.078449	0.09039	0.080397	0.08264	0.005645	0.90316	-0.08977	0.05253	0.029144
0.129182	0.00518	0.170517	0.00021	-0.0052	0.91072	-0.02288	0.62192	0.008437
0.082721	0.07412	0.240501	1.43E-07	-0.02669	0.56502	-0.01902	0.68186	-0.06835
0.122941	0.00782	-0.09826	0.03376	-0.04746	0.3061	-0.13316	0.00394	-0.00925
-0.0945	0.04122	-0.22684	7.29E-07	-0.00778	0.86683	0.006437	0.88966	0.072412
0.048404	0.29656	-0.02704	0.55994	0.041658	0.36908	0.059887	0.19641	0.032624
-0.04321	0.35144	-0.28926	1.88E-10	0.048258	0.29803	0.008637	0.85232	0.04543
0.036097	0.43643	-0.07717	0.09577	0.014946	0.74734	0.082329	0.0755	-0.0699
-0.16665	0.0003	-0.29264	1.13E-10	-0.01797	0.69854	-0.06507	0.16037	-0.21083
0.104023	0.02457	0.125837	0.00647	-0.05514	0.23428	-0.00326	0.94407	-0.11924
-0.06701	0.14824	-0.10778	0.01982	0.037195	0.4226	0.049469	0.28606	0.265288
-0.12728	0.00588	-0.27101	2.64E-09	0.042524	0.35919	0.031879	0.49193	0.032331
-0.15897	0.00056	0.003995	0.93139	0.110896	0.01651	0.400862	1.87E-19	0.101978
0.241832	1.22E-07	0.185314	5.60E-05	-0.06366	0.16965	-0.11961	0.00968	0.051316
-0.12745	0.00581	-0.10444	0.024	0.010179	0.82635	-0.01806	0.69715	0.096405
-0.15427	0.00082	-0.23393	3.17E-07	0.005667	0.9028	-0.02063	0.65661	-0.12821
-0.07282	0.11607	-0.29702	5.76E-11	-0.02244	0.62865	-0.0166	0.72046	-0.01248
-0.0455	0.3265	-0.11404	0.01367	0.087031	0.06021	0.049758	0.28324	0.187109
0.031201	0.50119	0.059621	0.1984	-0.03118	0.50145	0.052612	0.2565	-0.19466
0.205559	7.53E-06	0.082843	0.07369	0.005121	0.91211	-0.03568	0.44171	0.200363
0.068521	0.13927	-0.05803	0.21064	0.042025	0.36486	-0.01697	0.71458	-0.07569
-0.15073	0.00109	-0.48358	9.63E-29	-0.05896	0.20346	-0.07974	0.08521	-0.21831
-0.01298	0.77965	-0.01156	0.80329	0.035111	0.44907	-0.01945	0.67507	-0.0047
-0.0282	0.54323	-0.04438	0.33855	-0.00718	0.87698	-0.03378	0.46644	-0.0134
0.004242	0.92715	0.089886	0.05224	0.175936	0.00013	0.362462	6.04E-16	0.150678
0.034816	0.4529	-0.08691	0.06058	0.024677	0.59478	0.076183	0.10011	0.192194
-0.07732	0.09512	-0.35273	3.96E-15	0.001174	0.97981	-0.03483	0.45274	-0.0831
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0.103237	0.02568	0.202376	1.05E-05	0.032646	0.48157	0.080668	0.08161	0.131023
0.034338	0.45913	-0.0996	0.0314	-0.02794	0.54704	-0.06037	0.19281	-0.01184
-0.1069	0.02086	-0.17164	0.00019	0.024117	0.60317	0.001607	0.97238	-0.13815
0.044991	0.33197	-0.06006	0.19514	-0.00921	0.84261	0.007153	0.87748	-0.20324
0.084764	0.06723	0.046633	0.31461	0.011773	0.7997	-0.00419	0.928	-0.0598
-0.27292	2.02E-09	-0.32153	1.08E-12	0.040449	0.38315	0.081103	0.07997	-0.00628
0.122372	0.00811	0.219392	1.69E-06	0.02838	0.54068	0.15605	0.00071	0.073776
-0.13337	0.00388	-0.1189	0.01012	0.049745	0.28337	0.126861	0.00605	0.137043
0.129266	0.00515	0.051638	0.26543	0.025767	0.5786	-0.04003	0.3881	-0.09797
-0.21918	1.73E-06	-0.20575	7.38E-06	0.200396	1.28E-05	0.239383	1.64E-07	0.406874
-0.28883	2.00E-10	-0.24602	7.23E-08	-0.00182	0.9688	0.188067	4.32E-05	-0.12555
-0.11103	0.01638	-0.30145	2.88E-11	-0.00242	0.95842	0.006138	0.89475	0.00869
-0.05286	0.25429	0.142346	0.00205	-0.01627	0.72583	0.133838	0.00376	-0.08935
-0.0248	0.5929	0.01295	0.78016	0.022838	0.62252	0.12476	0.00695	-0.04363
0.135367	0.00338	0.275527	1.40E-09	0.098486	0.03336	0.163567	0.00039	0.150845
0.175167	0.00014	0.062359	0.17853	-0.01236	0.79001	-0.04019	0.38617	-0.05408

0.036986	0.42522	0.191689	3.05E-05	0.159001	0.00056	0.166416	0.0003	0.315758
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0.220638	1.47E-06	0.293581	9.77E-11	0.018117	0.69617	0.050573	0.27542	-0.00073
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0.163814	0.00038	0.282089	5.43E-10	-0.01911	0.68037	0.030707	0.508	-0.1248
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0.057063	0.21839	0.250057	4.34E-08	0.003574	0.93861	0.177462	0.00012	-0.07646
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0.0118	0.79925	-0.01561	0.73647	-0.02264	0.62553	0.041491	0.371	-0.18513
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0.259415	1.28E-08	0.164684	0.00035	0.055366	0.23241	-0.06129	0.18611	0.034975
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0.181411	8.06E-05	-0.29724	5.56E-11	-0.02892	0.53306	-0.04016	0.38657	-0.10157
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-0.07369	0.11176	-0.06251	0.17751	0.044697	0.33515	0.055533	0.231	0.026786
0.171899	0.00019	-0.00588	0.89915	0.048962	0.29102	-0.06894	0.13684	-0.03265
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0.113537	0.01409	0.40806	3.64E-20	0.061993	0.1811	0.043801	0.34494	0.147585
0.060381	0.19274	0.230331	4.85E-07	0.046411	0.31692	0.08132	0.07917	0.122936
0.08072	0.08141	0.242283	1.15E-07	0.025719	0.57931	0.20101	1.20E-05	0.237221
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0.02897	0.5323	-0.03925	0.39744	-0.00363	0.93758	-0.01069	0.81773	-0.01456
-0.04695	0.31136	-0.38818	3.04E-18	-0.02981	0.52044	-0.07786	0.09284	-0.06879
-0.0267	0.5649	0.033166	0.47461	0.246241	7.04E-08	0.379102	2.08E-17	0.186083
0.159253	0.00055	0.336601	7.80E-14	0.075769	0.10198	0.144865	0.0017	0.181451
-0.05673	0.22111	-0.27289	2.03E-09	0.009498	0.83781	-0.08566	0.06438	-0.11843
0.072699	0.11667	0.108231	0.01931	-0.0141	0.76127	-0.0167	0.71894	-0.04533
-0.23951	1.62E-07	-0.48763	2.89E-29	-0.04916	0.28903	-0.09118	0.04892	-0.23852
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0.172664	0.00018	0.158342	0.00059	0.030724	0.50776	0.021037	0.65023	0.03743
-0.02972	0.52174	-0.13647	0.00313	0.026936	0.56149	-0.02471	0.59427	-0.02416
0.095465	0.03919	0.045504	0.32648	0.001497	0.97426	-0.05353	0.24828	-0.06429
-0.06151	0.18453	0.088418	0.05622	0.082568	0.07465	0.030436	0.51174	0.208664
-0.23059	4.71E-07	-0.31689	2.36E-12	0.023608	0.61084	0.010803	0.81589	0.123882
0.10601	0.02195	0.039277	0.39709	0.026757	0.56409	-0.03681	0.42738	0.024515
0.01146	0.80491	0.057895	0.21174	-0.01236	0.78987	-0.02426	0.60098	0.053523
-0.00993	0.83048	-0.06734	0.14623	-0.00271	0.95346	0.087559	0.05866	-0.10495
-0.09754	0.0351	-0.28614	2.99E-10	0.024984	0.5902	0.122302	0.00815	-0.03106
0.025892	0.57676	0.003587	0.93838	0.000164	0.99718	0.010076	0.82808	0.035602
-0.08861	0.05569	-0.06492	0.16129	0.020127	0.66442	0.057866	0.21196	0.080847

-0.17951	9.59E-05	-0.37395	6.02E-17	-0.02985	0.51984	-0.06754	0.14505	-0.14664
-0.16763	0.00027	-0.25488	2.33E-08	0.05638	0.22395	0.170555	0.00021	0.158491
-0.15008	0.00114	-0.36917	1.59E-16	0.066206	0.15316	0.109697	0.01772	0.146822
-0.0711	0.12497	-0.20205	1.08E-05	0.073281	0.11376	0.081596	0.07815	0.258078
0.029346	0.52699	0.144227	0.00178	-0.00134	0.9769	0.016309	0.7252	-0.04922
0.025193	0.58709	0.156484	0.00069	0.153472	0.00088	0.453258	4.87E-25	0.166303
0.225443	8.55E-07	0.189823	3.65E-05	-0.03643	0.43226	-0.0576	0.2141	-0.05718
0.073649	0.11196	-0.15052	0.0011	0.03247	0.48393	-0.01977	0.67008	-0.0768
0.202445	1.04E-05	0.049371	0.28701	-0.04637	0.31739	-0.14374	0.00185	-0.07011
0.185879	5.31E-05	0.344837	1.74E-14	-0.01941	0.67569	-0.00274	0.95289	-0.06339
0.252197	3.30E-08	0.14268	0.002	0.00376	0.93542	-0.10841	0.01911	-0.01029
0.13034	0.00478	0.248111	5.56E-08	-0.02955	0.52406	-0.04036	0.38418	-0.02836
0.098358	0.03359	-0.27226	2.21E-09	-0.09276	0.04511	-0.2111	4.19E-06	-0.15159
0.060916	0.18881	-0.03321	0.47402	-0.02581	0.57795	-0.02378	0.60829	-0.03217
-0.09339	0.04368	-0.32657	4.57E-13	0.045239	0.32931	0.048062	0.3	0.018758
-0.05812	0.20995	-0.14808	0.00133	-0.03895	0.40102	-0.00483	0.91701	-0.23467
-0.01271	0.7841	-0.1121	0.01536	0.025076	0.58883	0.005919	0.8985	0.006893
-0.06276	0.17577	-0.21382	3.13E-06	-0.01943	0.67543	-0.10919	0.01825	-0.14866
-0.16155	0.00046	-0.17854	0.0001	-0.01784	0.70056	-0.03998	0.38873	-0.06533
0.071332	0.12372	-0.14424	0.00178	0.001125	0.98065	-0.04588	0.32253	0.017059
-0.08194	0.0769	-0.11078	0.01662	-0.01894	0.68311	0.012297	0.79098	0.023369
-0.13237	0.00416	-0.11069	0.01671	0.062358	0.17854	0.146144	0.00154	0.078002
0.057725	0.21308	0.000938	0.98388	0.002451	0.95787	-0.01505	0.74572	0.022412
-0.14749	0.00139	-0.06041	0.19249	-0.01414	0.76048	0.015624	0.7363	-0.03803
-0.11527	0.01268	-0.1532	0.0009	-0.01469	0.75157	0.020515	0.65835	-0.06289
0.182559	7.25E-05	0.027337	0.55567	0.010349	0.82349	0.019304	0.67735	0.113316
-0.10394	0.02469	-0.02246	0.62829	-0.04706	0.31014	0.110797	0.01661	-0.12796
-0.10293	0.02613	-0.17386	0.00016	-0.03207	0.48928	-0.01956	0.67324	-0.07241
0.101115	0.0289	0.077332	0.09508	0.051314	0.26844	0.006234	0.89311	0.194163
0.185052	5.74E-05	-0.21537	2.64E-06	-0.02304	0.61946	-0.08172	0.0777	-0.09084
-0.0505	0.27609	-0.06904	0.1363	0.182442	7.33E-05	0.093579	0.04325	0.334975
0.052034	0.26177	0.061884	0.18187	-0.00916	0.84344	-0.09098	0.04942	0.015306
-0.11867	0.01027	-0.16693	0.00029	0.040565	0.38178	0.050677	0.27443	-0.04205
-0.05489	0.23642	-0.12415	0.00723	0.054443	0.2403	0.012563	0.78657	0.14302
-0.03293	0.47771	0.147503	0.00139	0.02214	0.63319	-0.02932	0.5273	-0.03098
-0.02774	0.54987	0.045611	0.32534	0.019375	0.67623	0.097355	0.03545	-0.0659
-0.1314	0.00445	-0.26946	3.27E-09	0.164007	0.00037	0.265034	6.01E-09	0.170728
0.249694	4.54E-08	0.218562	1.86E-06	0.074388	0.10839	0.195011	2.20E-05	-0.00191
-0.03631	0.43373	0.030775	0.50706	-0.00111	0.98099	0.01319	0.77619	-0.05183
0.02384	0.60733	-0.05309	0.25222	-0.04452	0.33711	-0.05337	0.24967	-0.13407
-0.06587	0.15523	-0.2925	1.15E-10	0.021311	0.64599	-0.00092	0.98418	-0.02533
0.046792	0.31296	-0.09242	0.04593	-0.02008	0.66511	-0.1345	0.00359	-0.12131
0.066439	0.15172	-0.08675	0.06105	-0.04199	0.36527	-0.08382	0.07035	-0.05816
0.033329	0.47244	-0.15137	0.00103	0.006456	0.88934	-0.01783	0.7007	0.013363
0.053367	0.24973	0.216946	2.22E-06	0.047755	0.30309	0.128745	0.00533	0.023003

-0.05607	0.22652	-0.36023	9.34E-16	0.020695	0.65555	-0.0092	0.84275	0.049864
-0.02593	0.57618	-0.04909	0.28978	-0.00896	0.84691	0.020263	0.66229	-0.03906
-0.01797	0.69846	0.064567	0.16362	-0.00298	0.94883	0.017337	0.70865	-0.02243
-0.16769	0.00027	-0.24618	7.09E-08	-0.0714	0.12337	-0.16152	0.00046	-0.15582
-0.13718	0.00297	-0.29485	8.04E-11	0.041235	0.37395	0.007078	0.87875	0.027076
0.062742	0.17587	-0.08569	0.06429	0.005805	0.90044	0.017431	0.70713	-0.20123
0.184737	5.92E-05	0.235292	2.70E-07	-0.00287	0.95061	-0.06284	0.17518	0.057329
0.049205	0.28864	-0.04135	0.37259	-0.05795	0.21128	-0.06025	0.19371	0.012425
0.134369	0.00362	0.464583	2.22E-26	-0.04678	0.31309	0.017172	0.7113	0.025625
0.231596	4.18E-07	0.220516	1.49E-06	-0.0124	0.78925	0.002057	0.96463	-0.13763
0.231969	4.00E-07	0.097553	0.03507	-0.03598	0.43786	0.067432	0.14568	-0.14677
0.053987	0.24426	-0.00104	0.98206	0.058393	0.20782	0.066388	0.15203	0.155944
0.305554	1.50E-11	0.230012	5.04E-07	-0.00362	0.93782	-0.1332	0.00393	0.003665
0.117131	0.0113	0.059629	0.19834	0.065635	0.15674	0.021261	0.64676	0.280729
-0.07965	0.08554	-0.03458	0.45603	0.174801	0.00015	0.250195	4.26E-08	0.30039
0.170256	0.00022	-0.22748	6.76E-07	0.023208	0.6169	-0.01317	0.7765	-0.04406
0.257098	1.74E-08	-0.04997	0.28117	0.047839	0.30224	0.075803	0.10182	0.181839
0.04899	0.29075	0.045902	0.32226	0.01873	0.68643	-0.00814	0.86081	0.02261
0.172752	0.00018	0.313633	4.06E-12	-0.00457	0.92145	-0.04074	0.37971	0.207499
-0.23627	2.40E-07	-0.31115	6.09E-12	0.11551	0.01249	0.237554	2.05E-07	0.189245
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0.169445	0.00023	0.055802	0.22874	-0.01642	0.72343	-0.05854	0.20671	0.091072
0.203902	8.94E-06	0.301771	2.74E-11	0.015843	0.73274	0.01785	0.70043	0.132535
-0.1365	0.00312	-0.35735	1.63E-15	-0.00449	0.92294	0.022124	0.63345	-0.0069
0.221613	1.32E-06	0.092842	0.04493	0.070634	0.12745	0.15125	0.00104	0.177413
0.116596	0.01169	0.418661	3.04E-21	0.014681	0.75168	-0.03213	0.48856	-0.04506
0.169241	0.00024	0.22627	7.78E-07	0.011636	0.80198	0.012944	0.78025	0.179038
-0.06822	0.14101	-0.25189	3.43E-08	-0.01589	0.73192	0.032462	0.48405	-0.1311
-0.0207	0.65551	-0.18617	5.17E-05	-0.03844	0.40729	-0.037	0.42505	-0.09964
0.00426	0.92685	-0.04885	0.29208	0.080743	0.08132	0.031138	0.50206	0.012744
0.106908	0.02085	0.078657	0.08953	-0.05432	0.24141	-0.0614	0.18531	0.052414
0.024705	0.59436	0.304847	1.68E-11	-0.0376	0.41756	-0.06745	0.14555	-0.15229
0.211617	3.97E-06	-0.08275	0.07403	-0.06494	0.16122	-0.06679	0.14953	-0.1459
0.036961	0.42553	-0.04733	0.30742	0.00752	0.87125	0.012041	0.79523	-0.0927
-0.149	0.00124	-0.02205	0.63464	0.062045	0.18074	0.190809	3.32E-05	0.153079
0.112013	0.01545	0.210351	4.54E-06	0.030069	0.51686	0.053182	0.25138	0.126957
0.120122	0.00937	0.260825	1.06E-08	0.055402	0.23211	0.082969	0.07325	0.134672
-0.08835	0.0564	0.096307	0.03748	0.015392	0.74007	0.092949	0.04469	-0.01232
0.310338	6.96E-12	0.335908	8.83E-14	0.018644	0.68779	-0.02094	0.65171	0.113208
0.19968	1.38E-05	0.153203	0.0009	-0.04963	0.28452	-0.17832	0.00011	-0.09348
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-0.23007	5.01E-07	-0.18352	6.63E-05	-0.0246	0.59591	0.054708	0.23801	0.06952
-0.01495	0.74731	0.00762	0.86954	-0.02642	0.569	-0.00582	0.90026	-0.07575
0.076507	0.09867	0.038251	0.40955	-0.02769	0.55063	-0.04084	0.37856	0.013089
0.045381	0.32779	-0.09054	0.05053	-0.03262	0.48187	-0.13936	0.00254	-0.01988

-0.10788	0.01971	0.117226	0.01124	-0.01382	0.76576	-0.04263	0.35794	0.154587
-0.07222	0.11908	-0.14819	0.00132	0.006455	0.88936	-0.03811	0.41122	-0.08766
0.33791	6.16E-14	0.246269	7.01E-08	0.034351	0.45896	-0.04775	0.30311	0.126507
-0.07408	0.10986	-0.13664	0.00309	0.008427	0.85588	0.002971	0.94894	-0.09829
-0.11191	0.01554	-0.17233	0.00018	0.177324	0.00012	0.189213	3.87E-05	0.139032
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0.212524	3.60E-06	0.103049	0.02596	-0.00514	0.91187	-0.09063	0.05031	0.007318
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0.007222	0.87631	-0.07957	0.08586	0.003916	0.93273	-0.02043	0.65967	-0.03872
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0.128917	0.00527	-0.0956	0.0389	-0.03155	0.49641	-0.09118	0.04892	-0.0965
0.161627	0.00045	0.030769	0.50713	-0.00537	0.90783	-0.05349	0.24861	-0.08183
0.200628	1.25E-05	-0.09276	0.04512	-0.04771	0.30352	-0.09961	0.03139	-0.15816
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-0.07552	0.10311	-0.23155	4.21E-07	0.012679	0.78464	-0.0303	0.5137	-0.06989
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0.24146	1.28E-07	0.435569	4.82E-23	0.036504	0.43127	0.01293	0.78048	0.087131
0.22943	5.39E-07	0.377875	2.68E-17	0.014737	0.75077	0.057523	0.21469	0.09349
-0.16099	0.00048	-0.29239	1.17E-10	0.028655	0.53677	-0.01121	0.80911	0.036029
-0.01991	0.66779	-0.06867	0.13838	0.034075	0.46258	-0.03197	0.49073	0.01488
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0.021172	0.64813	0.01039	0.82281	-0.00302	0.94809	-0.06093	0.18872	-0.03624
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0.090591	0.05041	-0.21499	2.75E-06	0.055821	0.22858	-0.05686	0.22003	0.099225
0.142308	0.00205	0.182907	7.02E-05	0.103219	0.02571	0.309853	7.53E-12	0.309592
0.034099	0.46227	-0.04851	0.2955	0.007538	0.87095	0.065616	0.15686	0.011454
0.125099	0.00679	-0.11038	0.01702	0.019345	0.67671	-0.0448	0.334	0.036449
-0.08094	0.08057	-0.18556	5.47E-05	0.057455	0.21523	0.222175	1.24E-06	0.06675
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0.008875	0.84831	0.046653	0.31441	0.022019	0.63507	0.012137	0.79364	0.013404
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0.087294	0.05943	-0.27692	1.14E-09	-0.02738	0.55498	-0.11315	0.01443	-0.15016
0.058655	0.20579	0.241704	1.24E-07	-0.02005	0.66569	0.02791	0.54741	0.069913
0.00896	0.84688	0.218313	1.91E-06	-0.01722	0.71049	-0.03263	0.48175	0.081586
0.033426	0.47115	-0.08413	0.06932	0.013046	0.77858	-0.01723	0.71034	0.008524
0.165248	0.00034	0.154881	0.00078	-0.03159	0.49592	-0.04322	0.35141	0.029803
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0.097575	0.03503	0.094252	0.04176	0.008835	0.84898	-0.04522	0.32956	-0.03823
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-0.01618	0.72728	0.071373	0.12351	-0.00743	0.87272	-0.02613	0.57326	0.025934
-0.03323	0.47382	-0.04562	0.32524	-0.0087	0.85132	0.013309	0.77422	0.031129
-0.03584	0.43973	-0.03524	0.44741	-0.00282	0.95162	-0.01312	0.77729	-0.00999
0.075446	0.10345	-0.04417	0.34089	0.004351	0.92528	-0.04082	0.37879	-0.04211
0.117682	0.01092	0.160335	0.0005	0.058732	0.20519	0.056338	0.2243	0.208491
0.020249	0.66251	-0.09174	0.04755	0.008254	0.8588	-0.03861	0.40515	0.027449
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0.110497	0.0169	-0.17374	0.00016	-0.01467	0.75182	-0.07422	0.10921	0.030663
0.040981	0.37691	-0.08052	0.08217	-0.01725	0.71003	-0.0507	0.27425	-0.01397
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0.037295	0.42136	-0.13612	0.00321	-0.04295	0.35443	-0.17495	0.00014	-0.04917
0.177417	0.00012	0.146761	0.00147	0.045787	0.32348	0.027154	0.55832	0.175777
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0.138911	0.00263	0.104684	0.02367	-0.00886	0.8485	0.011786	0.79947	-0.07632
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0.071327	0.12375	-0.05278	0.255	-0.00905	0.84537	-0.02659	0.56656	-0.02843
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0.029345	0.52701	0.287063	2.61E-10	0.101926	0.02763	0.26972	3.16E-09	0.160617
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-0.08157	0.07825	-0.36863	1.77E-16	0.019148	0.67981	0.132214	0.00421	-0.19677
0.046821	0.31266	-0.09177	0.04748	-0.00439	0.92466	-0.03568	0.4418	0.002047
-0.01603	0.72966	0.044713	0.33497	0.011803	0.79919	0.073648	0.11196	-0.05861
0.073468	0.11284	0.000993	0.98293	-0.02047	0.65905	-0.05689	0.21975	-0.1063
0.02857	0.53798	0.248055	5.60E-08	0.00913	0.84401	0.089097	0.05435	0.14556
-0.0775	0.09436	0.31092	6.33E-12	0.151606	0.00101	0.469558	5.52E-27	0.278031
0.164092	0.00037	0.402838	1.20E-19	0.097858	0.0345	0.148439	0.0013	0.276232
0.128318	0.00549	0.169262	0.00024	-0.04668	0.31415	-0.03709	0.42386	-0.07231
0.14593	0.00157	0.109226	0.01822	-0.00454	0.92201	-0.00108	0.98149	0.128624
-0.05212	0.26102	0.089871	0.05228	0.146039	0.00155	0.076786	0.09745	0.211895
0.213864	3.11E-06	0.453562	4.49E-25	0.001161	0.98004	0.021565	0.64206	0.067051
0.171861	0.00019	0.087967	0.05749	0.015627	0.73625	0.033085	0.47569	0.011924
0.00978	0.83306	-0.02011	0.66461	-0.05295	0.25342	-0.15098	0.00107	-0.20368
0.35678	1.83E-15	0.373285	6.90E-17	0.037266	0.42172	0.047159	0.30918	0.16621
0.118126	0.01062	0.288768	2.02E-10	0.062403	0.17823	0.082536	0.07477	0.073247
0.22453	9.49E-07	0.086283	0.06245	0.016546	0.72136	-0.02433	0.59993	-0.04923
0.151006	0.00106	0.246851	6.52E-08	-0.01544	0.73923	-0.0238	0.608	0.160758
0.043521	0.34803	-0.08237	0.07536	0.012862	0.78161	-0.04637	0.31732	-0.07933
0.003368	0.94213	0.031232	0.50076	0.007568	0.87044	0.109595	0.01783	0.103427
-0.08689	0.06063	-0.22581	8.20E-07	-0.00829	0.85813	-0.05105	0.27093	-0.04401
0.131651	0.00437	-0.23399	3.15E-07	0.012993	0.77945	-0.03661	0.42997	-0.09917
-0.11353	0.01409	-0.19919	1.45E-05	0.032957	0.4774	0.051883	0.26317	0.039966
-0.02258	0.62642	-0.09525	0.03963	0.001843	0.96831	-0.06657	0.15092	-0.0252

0.030345	0.51301	-0.0401	0.38729	0.003158	0.94573	-0.06388	0.16818	-0.00912
0.212367	3.66E-06	0.121595	0.00853	0.073274	0.1138	0.123539	0.00752	0.165549
0.132027	0.00426	-0.20926	5.10E-06	0.043366	0.34975	-0.0629	0.17479	0.0946
0.274783	1.55E-09	0.215765	2.53E-06	-0.01291	0.78077	0.018741	0.68625	0.173629
0.232929	3.57E-07	0.044645	0.3357	-0.03551	0.44391	-0.12377	0.00741	-0.18227
0.150449	0.00111	0.169134	0.00024	0.011347	0.8068	0.042518	0.35926	0.10836
0.15712	0.00066	0.148633	0.00128	-0.02345	0.61322	-0.11527	0.01268	0.027653
0.278631	8.96E-10	0.042223	0.36261	0.032918	0.47793	-0.0004	0.99308	0.213005
0.089782	0.05251	-0.00777	0.86695	0.002098	0.96393	-0.08669	0.06123	-0.11565
0.152071	0.00098	0.115299	0.01266	0.076628	0.09814	0.249695	4.54E-08	0.065234
0.085256	0.06565	0.239358	1.65E-07	-0.00171	0.97066	-0.05415	0.24283	0.042534
0.038383	0.40792	0.386432	4.42E-18	0.111626	0.01581	0.378897	2.17E-17	0.251128
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0.233117	3.50E-07	0.282102	5.42E-10	-0.00797	0.86359	-0.06298	0.17423	0.028298
0.227309	6.90E-07	0.088139	0.057	-0.03577	0.44061	-0.14919	0.00122	-0.14683
0.1451	0.00167	0.104641	0.02373	0.012256	0.79166	-0.04147	0.37129	-0.00715
-0.14333	0.0019	-0.45678	1.88E-25	0.097359	0.03544	0.164521	0.00036	0.15222
0.094293	0.04167	0.042301	0.36172	0.178332	0.00011	0.095553	0.03901	0.156691
-0.03421	0.4608	-0.13381	0.00377	0.148063	0.00133	0.211462	4.03E-06	0.377003
-0.14098	0.00226	-0.37667	3.44E-17	0.067452	0.14556	0.040604	0.38132	-0.04581
-0.02205	0.63462	0.015301	0.74155	-0.02311	0.61837	-0.05132	0.26838	-0.09827
0.023623	0.61061	-0.23439	3.01E-07	0.080941	0.08058	0.039146	0.39866	0.12858
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0.045121	0.33057	-0.14899	0.00124	0.037282	0.42151	-0.05398	0.24435	0.05559
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0.297492	5.35E-11	0.038071	0.41175	-0.00812	0.8611	-0.05239	0.2585	0.105556
0.012266	0.79149	-0.07385	0.11096	-0.0134	0.77264	-0.0306	0.50947	-0.04197
0.046931	0.31153	-0.08173	0.07764	-0.01862	0.68825	-0.04111	0.37538	-0.06576
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0.065515	0.1575	-0.10063	0.02967	-0.01266	0.78498	-0.07647	0.09885	-0.05846
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0.256576	1.86E-08	-0.04907	0.28997	-0.06129	0.18609	-0.16523	0.00034	-0.11895
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0.018449	0.69089	0.247926	5.69E-08	-0.01461	0.75286	0.040147	0.38671	0.120457
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0.097618	0.03495	0.150032	0.00115	-0.0207	0.65553	0.024079	0.60374	0.057018
0.025649	0.58035	-0.25415	2.56E-08	0.020343	0.66103	0.085883	0.06368	0.024709
0.016087	0.72879	-0.052	0.26212	0.009828	0.83225	-0.06366	0.1696	0.05182
0.11028	0.01712	-0.00895	0.84707	-0.03952	0.39421	-0.13374	0.00379	-0.00726
0.034982	0.45075	-0.21083	4.31E-06	0.015163	0.74381	-0.01714	0.71188	0.125686
0.096258	0.03758	0.040782	0.37923	-0.05323	0.25095	-0.02126	0.64681	-0.14203
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0.154319	0.00082	0.463382	3.10E-26	0.04285	0.35552	0.099497	0.03158	0.133208
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0.046568	0.31529	-0.11071	0.01669	-0.00855	0.85381	-0.06738	0.14597	0.109627
0.004043	0.93057	-0.17053	0.00021	-0.02309	0.61863	-0.03414	0.46177	0.04154
0.229337	5.45E-07	0.167084	0.00029	0.00346	0.94056	-0.06939	0.13432	0.026235
0.110221	0.01718	-0.00835	0.8572	0.068566	0.13901	0.214099	3.03E-06	-0.04998
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0.035372	0.44571	0.320378	1.32E-12	0.089022	0.05455	0.314977	3.25E-12	0.134015
0.096301	0.03749	-0.11603	0.0121	0.006283	0.89229	-0.05323	0.25093	0.103827
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0.073609	0.11215	0.355304	2.43E-15	0.10403	0.02456	0.202942	9.87E-06	0.430232
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0.074084	0.10985	0.052219	0.26008	0.005244	0.91002	0.045515	0.32636	-0.00753
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0.037123	0.4235	-0.17942	9.68E-05	-0.02075	0.6547	-0.11554	0.01247	-0.07772
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0.000281	0.99517	-0.27836	9.32E-10	0.056712	0.22123	-0.10807	0.01949	-0.06119
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0.004312	0.92596	-0.3198	1.45E-12	0.013715	0.76753	-0.12903	0.00523	-0.04733
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0.218465	1.88E-06	0.145715	0.00159	-0.02831	0.54174	-0.05879	0.20475	0.012774
0.003172	0.9455	-0.08203	0.07658	-0.0001	0.99823	-0.07543	0.10352	0.019908
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0.195468	2.10E-05	0.05582	0.22859	-0.06462	0.16328	-0.13401	0.00371	0.030478
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0.079755	0.08514	0.151394	0.00103	0.031094	0.50266	0.015672	0.73552	0.121643
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0.215563	2.59E-06	0.501706	3.86E-31	0.004341	0.92545	0.049638	0.28441	0.140335
0.072019	0.12014	-0.28998	1.69E-10	-0.01756	0.70509	-0.17445	0.00015	-0.10813
0.066646	0.15044	-0.27522	1.46E-09	0.009379	0.83981	-0.12948	0.00507	0.012423
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0.039008	0.40033	0.016181	0.72726	-0.02659	0.56653	0.009587	0.8363	0.028882
0.026115	0.57348	0.041305	0.37314	0.003422	0.9412	-0.08035	0.08281	-0.04673
0.040592	0.38146	-0.15985	0.00053	0.026629	0.56596	-0.08755	0.05868	0.061646
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0.176834	0.00012	-0.01791	0.69944	0.128853	0.00529	0.249216	4.83E-08	0.315473
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0.071873	0.1209	-0.17307	0.00017	0.029958	0.5184	0.031235	0.50073	0.267169
-0.10226	0.02713	-0.26064	1.09E-08	-0.08036	0.08279	-0.10159	0.02815	-0.11098
0.058286	0.20866	-0.17947	9.63E-05	0.029275	0.52799	-0.15212	0.00097	-0.07658
0.107347	0.02033	-0.12092	0.00891	-0.00224	0.96153	-0.0488	0.29267	-0.02184
0.090968	0.04946	-0.02134	0.64549	-0.06662	0.15063	-0.07317	0.11434	-0.22968
0.032897	0.4782	-0.04334	0.35002	-0.05736	0.21598	-0.12234	0.00813	-0.10849
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0.020223	0.66291	-0.06242	0.17808	-0.00308	0.94703	-0.02666	0.56547	0.149786
0.138744	0.00266	0.190004	3.58E-05	0.016308	0.72521	0.026948	0.56131	0.107824
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0.39239	1.22E-18	0.467478	9.92E-27	0.004684	0.91959	-0.00414	0.92887	-0.05048
0.202251	1.06E-05	0.051888	0.26311	-0.00357	0.93868	-0.04226	0.36219	0.090714
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0.300866	3.16E-11	-0.01775	0.70205	-0.05701	0.21878	-0.23089	4.55E-07	-0.08231
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0.227773	6.54E-07	0.255773	2.07E-08	-0.02711	0.55893	-0.07443	0.10819	-0.02835
0.227151	7.03E-07	0.279995	7.36E-10	0.001485	0.97447	-0.13137	0.00446	0.146094
0.044347	0.33894	-0.17706	0.00012	-0.05733	0.21621	-0.08478	0.06719	-0.08946
0.111877	0.01557	-0.04788	0.30182	0.040303	0.38487	-0.14681	0.00147	-0.09876
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0.158392	0.00059	0.216574	2.31E-06	0.087666	0.05835	0.148553	0.00128	0.419457
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0.120215	0.00931	-0.01029	0.82448	0.023282	0.61578	-0.02762	0.55159	0.090184

0.153864	0.00085	0.187998	4.35E-05	0.012685	0.78454	-0.01408	0.76151	0.0601
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-0.02217	0.63281	-0.12762	0.00575	-0.01934	0.67671	0.031171	0.5016	0.055081
0.181261	8.17E-05	0.269056	3.46E-09	0.001475	0.97463	-0.00237	0.95933	0.073972
-0.27192	2.32E-09	-0.3357	9.17E-14	-0.05677	0.22074	-0.04695	0.31133	-0.02697
0.035005	0.45045	-0.07731	0.09519	-0.02745	0.554	-0.17431	0.00015	-0.00134
0.104453	0.02398	-0.02665	0.56562	0.026151	0.57294	0.001399	0.97595	0.115272
0.085295	0.06553	-0.10622	0.02169	-0.04024	0.38556	-0.13477	0.00352	-0.05552
-0.01748	0.70641	-0.14707	0.00144	-0.00172	0.97036	-0.03118	0.50153	0.033176
-0.03925	0.39737	-0.34581	1.45E-14	-0.02533	0.58503	-0.09092	0.04958	-0.00215
-0.00057	0.99014	-0.12117	0.00876	-0.00842	0.85604	-0.17388	0.00016	-0.14694
0.074319	0.10872	0.198153	1.61E-05	-0.01424	0.75896	0.055321	0.23279	-0.10247
5.90E-05	0.99898	-0.05206	0.26154	0.035652	0.44212	-0.03763	0.4172	0.033257
-0.11258	0.01493	-0.17877	0.0001	0.008649	0.85213	0.000381	0.99345	-0.08908
0.240317	1.47E-07	-0.01094	0.81359	-0.01635	0.72457	-0.11018	0.01722	-0.01714
-0.06234	0.17865	-0.13179	0.00433	0.006545	0.88783	-0.0164	0.72365	-0.07489
-0.14139	0.00219	-0.14475	0.00171	0.014636	0.75242	0.076975	0.09662	0.066588
0.103756	0.02495	0.096379	0.03734	-0.05265	0.25616	-0.15504	0.00077	-0.08835
0.029238	0.52852	-0.03432	0.45931	0.014472	0.75509	-0.00619	0.89394	-0.06812
-0.02851	0.53889	-0.24247	1.13E-07	-0.03904	0.3999	-0.13157	0.0044	-0.10767
-0.08167	0.07786	-0.16565	0.00032	0.04417	0.34088	0.092783	0.04507	0.041685
0.130894	0.00461	0.355929	2.15E-15	0.138025	0.0028	0.13712	0.00298	0.462304
0.031583	0.49596	0.008956	0.84694	0.011364	0.80652	-0.08811	0.05708	-0.04732
-0.05079	0.2734	-0.00558	0.90429	0.012725	0.78388	-0.04868	0.29385	0.030215
0.043153	0.35212	0.033052	0.47613	0.002279	0.96083	0.020287	0.66192	-0.0813
0.056489	0.22306	-0.00837	0.85687	0.007325	0.87456	-0.04272	0.35703	0.001719
0.021116	0.649	0.332738	1.55E-13	0.120267	0.00928	0.393848	8.87E-19	0.105995
-0.04839	0.29673	-0.19809	1.62E-05	0.035509	0.44395	0.043344	0.34999	0.13796
-0.00604	0.89639	-0.11321	0.01437	-0.00627	0.89255	-0.10401	0.02459	-0.04422
-0.06533	0.15868	-0.2815	5.92E-10	-0.01221	0.79236	-0.10044	0.02999	-0.10323
0.021819	0.63814	-0.01702	0.71366	0.014874	0.74852	0.068875	0.13723	-0.01524
0.014068	0.76173	-0.02995	0.51847	0.000907	0.9844	-0.11146	0.01596	-0.06866
0.076167	0.10018	0.06671	0.15005	-0.00101	0.98262	-0.08164	0.07799	-0.08754
-0.01425	0.75873	-0.03664	0.42952	0.006764	0.88409	-0.08688	0.06065	-0.02881
-0.00626	0.89268	0.141311	0.00221	-0.01476	0.75042	-0.08914	0.05423	-0.00074
0.091196	0.04889	0.209544	4.95E-06	0.054701	0.23807	0.001829	0.96855	-0.01732
-0.03494	0.45134	0.258925	1.37E-08	0.017062	0.71306	0.071925	0.12062	0.009458
-0.07143	0.12321	0.105878	0.02212	0.037083	0.424	-0.00458	0.92145	0.076647
-0.06653	0.15118	-0.12774	0.0057	0.036556	0.43062	0.065878	0.15521	0.0042
-0.06078	0.18981	-0.19488	2.23E-05	-0.00676	0.8842	-0.08403	0.06964	-0.14974
0.04654	0.31558	0.003887	0.93323	0.018483	0.69034	-0.06005	0.19522	-0.04496
-0.06813	0.14153	-0.07904	0.08797	-0.00934	0.84048	-0.05157	0.26607	0.032562
0.004355	0.92522	-0.18566	5.43E-05	-0.00905	0.8454	-0.06781	0.14343	-0.0379
0.051724	0.26463	0.01877	0.68579	0.01237	0.78978	-0.07836	0.09074	-0.04007
0.10536	0.02278	0.172502	0.00018	-0.02084	0.65329	0.034572	0.45607	-0.14072

-0.00042	0.99284	-0.04394	0.34339	-0.04478	0.33421	-0.16673	0.0003	-0.12448
-0.03719	0.42262	-0.02066	0.65613	-0.017	0.71413	-0.15051	0.0011	-0.15718
-0.02299	0.62027	-0.04326	0.35093	-0.02195	0.63616	-0.09965	0.03131	-0.01101
-0.00643	0.88981	-0.01145	0.80511	0.000244	0.99581	-0.0983	0.03369	-0.07025
0.009412	0.83925	0.102859	0.02623	0.057924	0.2115	0.071282	0.12399	0.081826
-0.02926	0.52826	0.194682	2.27E-05	0.012016	0.79566	-0.00393	0.93245	0.012448
0.154113	0.00083	-0.05152	0.26654	-0.00692	0.88147	-0.12996	0.00491	-0.13404
0.034256	0.4602	0.091356	0.04849	0.002664	0.95421	-0.10023	0.03034	-0.05284
0.01251	0.78744	-0.06077	0.18987	0.054231	0.24214	-0.02822	0.54297	-0.07257
0.008361	0.85699	0.038132	0.41101	-0.01482	0.74933	-0.11199	0.01547	-0.08497
0.010251	0.82514	0.078277	0.0911	0.020151	0.66404	-0.06399	0.16741	-0.02912
0.014451	0.75544	0.043694	0.34612	0.036529	0.43096	-0.07059	0.12769	0.019249
0.045559	0.3259	0.045194	0.3298	-4.36E-05	0.99925	-0.08621	0.06268	-0.02659
0.15486	0.00079	-0.08651	0.06175	-0.03476	0.45361	-0.08422	0.06902	-0.13229
0.028029	0.5457	0.136759	0.00306	0.018359	0.69233	-0.05865	0.20583	-0.00688
0.053089	0.25222	0.136357	0.00315	0.023481	0.61275	-0.06944	0.13404	-0.01832
0.015115	0.7446	0.040972	0.37702	0.024609	0.59579	-0.05472	0.23793	-0.0582
0.086317	0.06235	0.153812	0.00085	-0.00247	0.95754	-0.08264	0.0744	0.01281
0.001926	0.96688	-0.03398	0.46386	-0.00677	0.88395	-0.13358	0.00383	-0.09739
0.03659	0.43019	0.186886	4.83E-05	0.196127	1.97E-05	0.099971	0.03077	0.379991
0.000498	0.99143	0.040147	0.38671	-0.01694	0.71503	-0.04001	0.38831	-0.05494
0.011221	0.8089	0.007096	0.87845	-0.0018	0.9691	-0.08998	0.05198	-0.10025
-0.00649	0.88869	0.026519	0.56756	0.033204	0.47411	-0.03485	0.45242	-0.02876
-0.10674	0.02105	-0.14279	0.00198	0.021557	0.64218	0.023179	0.61733	-0.05161
-0.04154	0.37045	0.036399	0.43261	0.022625	0.62578	-0.05081	0.2732	-0.05554
-0.12242	0.00809	-0.16737	0.00028	-0.01751	0.70589	-0.13464	0.00356	-0.06516
0.003001	0.94843	-0.00968	0.83473	0.015374	0.74037	-0.07156	0.12252	-0.05218
-0.04136	0.37246	0.064418	0.16459	0.111197	0.01622	0.143409	0.00189	0.427359
0.194454	2.32E-05	0.164605	0.00035	0.019426	0.67543	-0.09641	0.03727	-0.05859
0.16943	0.00023	-0.08209	0.07637	0.016051	0.72937	-0.10326	0.02565	0.046636
0.067505	0.14524	0.062494	0.17759	0.056064	0.22656	-0.05329	0.25039	-0.06745
-0.00608	0.89583	-0.00191	0.9672	0.027307	0.55611	-0.02959	0.52356	-0.05643
-0.01564	0.7361	-0.11119	0.01623	0.04511	0.3307	-0.00287	0.95061	0.052818
-0.11796	0.01074	-0.15246	0.00095	-0.00544	0.90663	-0.08367	0.07084	-0.06948
-0.08052	0.08217	0.021617	0.64126	0.185195	5.67E-05	0.136359	0.00315	0.217755
-0.03932	0.39661	0.106028	0.02193	0.148624	0.00128	0.047323	0.3075	0.279077
0.013578	0.76979	0.010293	0.82444	-0.02866	0.53663	-0.12076	0.00899	-0.15637
-0.13656	0.00311	-0.05061	0.27507	-0.00154	0.97358	-0.0195	0.67423	-0.07639
-0.14463	0.00173	-0.01182	0.79888	-0.00223	0.96171	-0.07902	0.08808	-0.06069
-0.02627	0.57119	0.072647	0.11693	0.016969	0.71456	-0.07953	0.08601	-0.0212
-0.08019	0.08346	0.001278	0.97803	-0.00671	0.88505	-0.03963	0.39285	-0.03076
0.001204	0.9793	0.001781	0.96937	0.043286	0.35064	-0.02687	0.5624	0.008998
0.013848	0.76535	-0.04385	0.34435	-0.00347	0.94043	-0.05134	0.26823	-0.06723
-0.00329	0.94339	0.005086	0.91272	0.067352	0.14616	-0.0174	0.70771	0.046891
-0.03449	0.45716	0.161152	0.00047	-0.0485	0.29559	-0.02138	0.64498	-0.08695

0.174944	0.00014	0.123158	0.00771	-0.00266	0.95434	-0.00249	0.95714	-0.07825
0.27817	9.58E-10	0.242262	1.16E-07	0.005653	0.90303	-0.08542	0.06514	0.075284
-0.07585	0.10161	0.253359	2.84E-08	0.020172	0.66372	0.05402	0.24398	-0.00184
0.076115	0.10042	0.286876	2.68E-10	-0.0108	0.81593	-0.08277	0.07394	0.069319
-0.13657	0.0031	-0.1679	0.00027	0.009274	0.84158	-0.09664	0.03682	-0.06037
0.026576	0.56672	0.176915	0.00012	0.005262	0.9097	-0.01066	0.81825	0.037079
0.174303	0.00015	0.027753	0.54968	0.004018	0.931	-0.13402	0.00371	-0.03883
-0.03862	0.40508	-0.11727	0.0112	0.002552	0.95613	-0.12641	0.00623	-0.07297
-0.05909	0.20244	0.029281	0.52791	0.088682	0.05548	0.051598	0.2658	0.202357
0.172437	0.00018	0.275312	1.44E-09	-0.01856	0.68919	-0.01664	0.7199	-0.16581
0.009828	0.83224	0.031782	0.49325	0.026452	0.56854	-0.04421	0.34045	-0.06494
0.091834	0.04732	0.110501	0.0169	0.013419	0.7724	-0.05836	0.20805	-0.04445
-0.10078	0.02944	-0.02922	0.52877	0.027254	0.55687	-0.02318	0.61738	-0.01697
-0.02235	0.62996	0.007695	0.86828	0.093235	0.04403	0.050223	0.27876	0.049793
-0.06311	0.17334	-0.03589	0.43905	0.058929	0.20367	-0.00945	0.8386	0.008224
-0.07563	0.10259	0.026158	0.57285	0.053817	0.24575	0.056072	0.2265	0.173055
-0.05756	0.21436	-0.0093	0.84121	0.011716	0.80064	-0.05323	0.25094	-0.07137
-0.08461	0.06773	-0.1948	2.25E-05	0.001673	0.97124	-0.01573	0.73457	-0.12898
-0.03882	0.40257	0.147407	0.0014	0.015884	0.73208	-0.03364	0.4683	0.01018
-0.08411	0.06937	-0.0267	0.56498	0.00318	0.94537	-0.07302	0.11507	-0.10845
-0.01257	0.78646	0.003765	0.93533	0.046547	0.3155	-0.04844	0.29618	0.025157
-0.05939	0.20013	-0.07038	0.12883	-0.00685	0.8826	-0.11447	0.01332	-0.0252
-0.08877	0.05524	-0.19752	1.71E-05	-0.00634	0.89127	-0.11267	0.01485	-0.1006
-0.04202	0.36494	-0.07147	0.12298	0.002148	0.96307	-0.08503	0.06636	-0.07485
-0.02292	0.62128	0.066545	0.15106	0.00381	0.93456	-0.02211	0.63368	-0.06606
0.013226	0.77559	-0.0263	0.57082	0.037646	0.41699	-0.04126	0.37361	-0.02494
0.026122	0.57338	0.011496	0.80432	0.057392	0.21573	-0.03842	0.40749	-0.05263
0.070723	0.12697	0.150227	0.00113	-0.02775	0.54971	-0.03655	0.43074	-0.07895
0.077236	0.09549	0.271677	2.40E-09	0.042029	0.36482	0.110627	0.01677	0.116115
0.048581	0.2948	-0.03694	0.42576	0.007432	0.87274	-0.05346	0.24887	-0.07465
0.010835	0.81535	-0.01171	0.80074	0.016973	0.71449	-0.05628	0.2248	-0.01837
0.058562	0.2065	0.043501	0.34825	0.028712	0.53595	-0.1007	0.02957	0.010569
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0.082685	0.07424	0.087203	0.0597	0.001897	0.96739	0.042613	0.35818	0.094556
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-0.05221	0.26019	0.010176	0.8264	-0.00189	0.96757	-0.05943	0.19984	-0.0583
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0.121076	0.00882	0.141145	0.00223	0.059705	0.19777	-0.04888	0.29185	-0.03556
-0.05538	0.23229	0.025106	0.58839	0.082329	0.0755	0.022967	0.62056	0.047932
-0.01949	0.67437	0.086869	0.06069	0.056665	0.22161	-0.0193	0.67742	-0.03162
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-0.07275	0.1164	-0.02608	0.57404	0.027015	0.56034	-0.04832	0.29743	-0.03914
0.158334	0.00059	0.033842	0.46565	0.008538	0.85399	-0.12165	0.0085	-0.01003
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0.01808	0.69676	-0.02718	0.5579	0.046665	0.31428	-0.00146	0.97482	0.04094
-0.11784	0.01081	-0.06467	0.16291	0.038364	0.40816	-0.02788	0.54781	0.013901
0.040234	0.38568	0.129511	0.00506	0.039772	0.39116	-0.01268	0.78454	0.022744
0.000555	0.99046	0.017652	0.7036	-0.0133	0.77445	-0.11482	0.01303	-0.11229
-0.02217	0.63277	0.080004	0.08416	0.06107	0.1877	-0.01325	0.77527	-0.05497
-0.07945	0.08632	-0.02491	0.59124	0.018819	0.68502	-0.03472	0.45412	0.031152
-0.01274	0.78367	0.105045	0.02319	0.013326	0.77395	0.079236	0.08719	-0.03506
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0.211923	3.84E-06	0.132642	0.00409	0.009509	0.83761	-0.13958	0.0025	-0.07548
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-0.06622	0.15308	0.054361	0.24101	0.004148	0.92877	-0.0953	0.03954	-0.04002
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-0.04703	0.31048	-0.02517	0.5874	-0.00131	0.97751	-0.04019	0.38614	-0.09453
0.192909	2.70E-05	0.100593	0.02974	-0.03052	0.51056	-0.13955	0.00251	-0.04537
0.046209	0.31904	-0.06211	0.18028	0.034694	0.45448	-0.07322	0.11408	-0.08207
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0.130878	0.00461	0.056742	0.22099	-0.01177	0.79973	-0.05362	0.24751	-0.02484
-0.27807	9.71E-10	-0.25051	4.09E-08	-0.00907	0.84509	-0.11368	0.01397	-0.10807
-0.08309	0.07285	-0.02554	0.58197	0.006075	0.89582	0.059298	0.20085	-0.0638
0.046308	0.31799	-0.13316	0.00394	0.071851	0.12101	-0.07478	0.10655	-0.02219
-0.02794	0.54696	0.000865	0.98513	0.051307	0.26851	-0.02372	0.60908	0.013802
0.014575	0.75342	0.055421	0.23194	0.032861	0.47868	-0.05259	0.25668	0.053888
0.14898	0.00124	0.074633	0.10723	0.002235	0.96159	-0.10306	0.02594	-0.02226
-0.02805	0.54542	0.037312	0.42114	-0.02076	0.65446	-0.13883	0.00264	-0.1085
0.013584	0.7697	0.021147	0.64853	0.042157	0.36336	-0.06225	0.17927	-0.02889
-0.1096	0.01782	-0.33294	1.50E-13	0.003503	0.93981	-0.13663	0.00309	-0.15785
0.019045	0.68144	-0.18379	6.46E-05	-0.03712	0.42359	-0.12947	0.00507	-0.14167
-0.03263	0.48173	-0.06667	0.1503	0.023554	0.61166	-0.0497	0.2838	-0.03392
-0.06863	0.13864	-0.22399	1.01E-06	0.001478	0.97458	-0.03475	0.45375	-0.00552
-0.02033	0.66124	0.231018	4.48E-07	0.001945	0.96656	0.019428	0.67539	0.092342
0.005306	0.90896	0.023275	0.61589	-0.00965	0.8352	-0.0726	0.11717	-0.07467
-0.0935	0.04342	-0.04478	0.33429	0.042111	0.36389	0.005791	0.90067	-0.01304
-0.13095	0.00459	-0.22377	1.04E-06	0.006997	0.88013	-0.05543	0.23184	-0.02236
0.012272	0.7914	0.084757	0.06725	0.036482	0.43156	-0.02073	0.65506	-0.02922
-0.02285	0.62236	-0.04713	0.30944	0.080645	0.0817	-0.04	0.38849	-0.05706
0.097037	0.03605	0.054627	0.23871	-0.01858	0.6888	-0.13163	0.00438	-0.15399
-0.11628	0.01192	-0.09672	0.03667	0.011999	0.79593	-0.11377	0.01389	-0.08983
0.290379	1.59E-10	0.165088	0.00034	0.018234	0.69431	-0.10576	0.02227	-0.00306
0.127127	0.00594	0.051955	0.2625	-0.00276	0.95252	-0.06328	0.17222	0.010535
-0.01796	0.69871	0.03893	0.40127	0.023816	0.6077	-0.04007	0.38766	0.017106
-0.10388	0.02477	-0.10619	0.02172	0.002496	0.9571	-0.06255	0.17723	0.033815

-0.2016	1.13E-05	-0.27585	1.33E-09	-0.01689	0.71575	-0.0167	0.71889	-0.11414
-0.00187	0.96782	0.047957	0.30105	0.041048	0.37613	-0.02986	0.5198	-0.01519
-0.1359	0.00325	-0.07825	0.0912	0.019643	0.67202	-0.07172	0.1217	0.014596
0.095907	0.03828	0.028948	0.53261	0.033078	0.47579	-0.06624	0.15294	0.010948
0.178069	0.00011	0.315	3.24E-12	-0.0041	0.92964	-0.01499	0.74665	-0.09376
-0.1361	0.00321	-0.02218	0.63264	0.100565	0.02979	0.047105	0.30973	0.163492
0.204312	8.57E-06	0.026941	0.56141	0.033617	0.46863	-0.08959	0.05303	-0.0769
-0.06506	0.16041	-0.04155	0.37031	-0.06032	0.19316	-0.14602	0.00156	-0.13774
0.128893	0.00528	0.075261	0.1043	0.051337	0.26823	-0.01928	0.67769	0.030729
-0.14188	0.00212	-0.10378	0.02491	0.062919	0.17466	-0.00081	0.98607	0.016603
-0.07409	0.10984	-0.05973	0.19759	0.042003	0.36512	-0.04051	0.3824	0.023366
0.003735	0.93585	0.017426	0.70721	-0.00249	0.95713	-0.10044	0.02999	-0.09308
-0.04557	0.32578	-0.04229	0.36185	0.00943	0.83894	-0.08103	0.08024	-0.08232
-0.07458	0.10749	-0.26462	6.36E-09	-0.02396	0.60556	-0.1409	0.00227	-0.07065
0.093366	0.04373	-0.00641	0.89005	-0.04839	0.29672	-0.12191	0.00836	-0.1615
-0.06368	0.1695	-0.11778	0.01085	0.013648	0.76864	-0.08213	0.07622	-0.09237
0.040396	0.38376	0.069591	0.13319	0.01341	0.77255	-0.07022	0.12972	-0.0449
0.00581	0.90035	0.028985	0.53209	0.039318	0.3966	-0.03394	0.4643	-0.02283
-0.16729	0.00028	-0.2803	7.04E-10	-0.0208	0.65398	-0.06578	0.15581	-0.09381
0.004248	0.92705	0.056537	0.22267	0.074777	0.10655	-0.00626	0.89275	-0.0304
-0.06501	0.16076	-0.12552	0.00661	0.007823	0.86611	-0.05875	0.20503	-0.03877
-0.04121	0.37424	0.042166	0.36326	0.005611	0.90375	-0.03826	0.40947	-0.05658
0.051508	0.26664	0.088501	0.05599	0.016314	0.72511	-0.08897	0.05468	-0.01758
0.071739	0.12159	-0.05192	0.26282	0.054527	0.23958	-0.03957	0.39362	-0.01165
-0.05311	0.25204	-0.01125	0.8084	0.010956	0.81332	-0.02295	0.62083	-0.01611
0.097576	0.03503	0.120089	0.00939	0.008291	0.85818	-0.06615	0.1535	-0.08681
-0.05703	0.21867	-0.04094	0.37737	-0.00378	0.93516	-0.07701	0.09647	-0.03129
-0.06704	0.14804	-0.05191	0.26288	0.015963	0.73081	-0.07507	0.10517	-0.06405
0.014577	0.75338	-0.01705	0.71318	0.00705	0.87923	0.032053	0.48957	-0.11059
-0.27936	8.07E-10	-0.30375	2.01E-11	-0.02317	0.61745	-0.11025	0.01715	-0.13102
-0.05995	0.19593	0.006624	0.88648	-0.00528	0.90933	-0.06027	0.19357	-0.05686
-0.01612	0.72821	0.048091	0.2997	-0.01176	0.79983	-0.07632	0.09952	-0.02838
-0.02844	0.5399	-0.01437	0.7568	0.021979	0.63568	-0.07155	0.1226	-0.08445
-0.0129	0.78104	0.004893	0.91602	0.000557	0.99043	-0.06647	0.15154	-0.0276
-0.04001	0.38835	-0.02607	0.5741	0.03692	0.42604	-0.07253	0.11752	-0.04832
-0.11531	0.01265	-0.08751	0.05879	0.010603	0.81923	-0.07915	0.08754	-0.065
0.094959	0.04024	-0.10729	0.02039	1.96E-05	0.99966	-0.07007	0.13053	-0.09046
0.001247	0.97856	0.001569	0.97302	-0.01506	0.74545	-0.10048	0.02993	-0.11433
-0.08119	0.07966	-0.04314	0.35232	0.028846	0.53405	-0.02298	0.62042	0.046329
-0.10298	0.02605	-0.14806	0.00133	-0.01178	0.79955	-0.07537	0.1038	-0.1149
0.046029	0.32093	0.015542	0.73763	-0.00265	0.95446	-0.09046	0.05074	-0.06918
-0.04998	0.28112	-0.25307	2.94E-08	0.011519	0.80392	-0.0409	0.37786	-0.0248
0.158414	0.00059	0.008695	0.85135	0.030592	0.50958	-0.06209	0.18043	-0.02101
0.029084	0.53069	-0.12753	0.00578	-0.02279	0.62325	-0.11044	0.01696	-0.1415
-0.0791	0.08774	-0.10156	0.0282	0.000865	0.98513	-0.09888	0.03265	-0.09779

-0.11059	0.01681	-0.12896	0.00525	0.019188	0.67918	-0.04333	0.3501	-0.0667
-0.02434	0.59988	-0.06101	0.18816	-0.01471	0.75113	-0.12811	0.00556	-0.04738
0.049389	0.28683	0.024061	0.60401	0.078097	0.09185	0.027567	0.55235	0.165447
-0.06834	0.14034	-0.00474	0.91862	-0.00036	0.99372	-0.0608	0.18965	-0.09727
0.020595	0.6571	-0.02155	0.64226	0.032771	0.47989	0.021246	0.64698	-0.05667
0.081045	0.08019	-0.00206	0.96457	-0.00239	0.95896	-0.0765	0.0987	-0.07416
0.097851	0.03452	0.020207	0.66316	-0.0356	0.44274	-0.12596	0.00642	-0.13122
-0.0164	0.72369	0.010515	0.82071	0.004845	0.91683	-0.05034	0.27763	-0.0009
-0.03844	0.40726	-0.00646	0.88926	0.034475	0.45734	-0.03393	0.46445	-0.02052
-0.14875	0.00126	-0.22846	6.04E-07	0.034356	0.45889	-0.00223	0.96162	0.09378
-0.03237	0.48529	-0.05975	0.19742	0.000646	0.9889	-0.05633	0.22437	-0.10533
0.134553	0.00358	0.089149	0.0542	0.008394	0.85644	-0.04325	0.35108	0.098926
0.045641	0.32503	0.000765	0.98685	-0.0031	0.94674	-0.07736	0.09494	-0.07787
-0.04071	0.38007	-0.04428	0.33962	0.011888	0.79778	-0.06081	0.18956	-0.06867
0.007797	0.86655	-0.26567	5.52E-09	-0.01046	0.82159	-0.08784	0.05785	-0.01738
0.033514	0.46998	-0.03172	0.49416	0.020104	0.66477	-0.00993	0.8305	-0.06755
0.021953	0.63608	0.036934	0.42587	-0.00483	0.91705	-0.08753	0.05874	-0.06206
-0.12962	0.00502	-0.01689	0.7159	0.026133	0.57322	-0.01849	0.69028	-0.05593
-0.00219	0.96231	0.006463	0.88921	-0.00067	0.98841	-0.08936	0.05364	-0.06474
0.065275	0.15904	-0.07777	0.09321	-0.01264	0.78522	-0.15492	0.00078	-0.11147
0.002946	0.94937	0.10529	0.02287	0.140189	0.00239	0.069659	0.1328	0.309456
-0.03385	0.46556	-0.26537	5.74E-09	0.119452	0.00977	0.176567	0.00013	-0.07092
-0.15656	0.00069	-0.20538	7.67E-06	0.014154	0.76032	-0.01899	0.68233	-0.0422
-0.07801	0.09219	-0.20159	1.13E-05	0.012859	0.78167	-0.04961	0.28465	0.016536
-0.00034	0.99417	-0.0432	0.35165	0.02882	0.53442	-0.01774	0.70216	-0.03392
0.114092	0.01363	0.112541	0.01496	0.014459	0.75531	-0.07419	0.10932	-0.11978
0.021032	0.6503	0.015873	0.73226	0.088261	0.05666	-0.03394	0.46441	0.096563
0.005567	0.90449	-0.16049	0.0005	-0.00013	0.99776	-0.08344	0.07162	-0.07566
-0.06489	0.16153	-0.15585	0.00073	0.014847	0.74897	-0.00569	0.90246	-0.02536
-0.08102	0.08027	-0.19809	1.62E-05	0.003922	0.93264	-0.04422	0.34029	0.050049
0.030878	0.50564	-0.15731	0.00065	-0.00636	0.89095	-0.0099	0.83099	-0.05512
0.052651	0.25615	-0.04963	0.28446	0.188264	4.24E-05	-0.00779	0.86661	0.082929
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0.022015	0.63512	-0.11959	0.00969	0.072906	0.11563	-0.02104	0.65022	-0.01332
-0.01882	0.68504	-0.19015	3.53E-05	0.049456	0.28618	0.014721	0.75102	0.050788
-0.07124	0.12422	-0.16595	0.00032	0.037828	0.41475	0.003445	0.94081	-0.01973
-0.05235	0.25892	-0.15131	0.00104	0.053419	0.24927	0.064355	0.165	0.096658
0.06747	0.14545	-0.11815	0.01061	0.082968	0.07326	-0.01468	0.75176	0.012528
-0.07801	0.09221	-0.11816	0.0106	-0.00558	0.90427	-0.02357	0.61143	-0.06979
-0.14225	0.00206	-0.19116	3.21E-05	0.035074	0.44955	0.019847	0.6688	0.248591
-0.00751	0.87149	-0.07726	0.09538	0.038797	0.40289	0.00224	0.96149	-0.02125
-0.01071	0.81752	-0.11512	0.0128	0.024179	0.60223	-0.04493	0.33258	-0.00485
-0.03207	0.48939	-0.15159	0.00102	-0.00211	0.96375	-0.0509	0.27229	-0.06977
-0.02422	0.60161	-0.19651	1.89E-05	0.156893	0.00067	0.043682	0.34625	0.006588
-0.01228	0.79133	-0.07825	0.0912	0.266659	4.82E-09	0.037461	0.41929	0.135324



0.025125	0.5881	-0.10114	0.02886	0.063278	0.17221	-0.0454	0.32758	-0.0408
-0.0246	0.59593	-0.08219	0.076	0.013572	0.76988	-0.0193	0.6774	-0.04477
-0.04723	0.30845	-0.12032	0.00925	0.002244	0.96143	-0.02392	0.60616	-0.05439
0.015304	0.74151	-0.06129	0.18609	-0.00605	0.89621	-0.0406	0.38139	-0.04834
0.062658	0.17646	0.040789	0.37915	0.110556	0.01685	0.059097	0.20238	0.075191
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0.037725	0.41602	-0.26898	3.50E-09	-0.01394	0.76391	-0.06007	0.19507	-0.07509
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-0.04601	0.32108	-0.16135	0.00046	0.013546	0.77032	-0.01982	0.66919	-0.02851
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0.010756	0.81668	-0.11	0.01741	0.022575	0.62653	-0.0456	0.32546	-0.07615
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0.040799	0.37904	-0.05901	0.20307	0.018136	0.69587	-0.02876	0.53534	-0.049
0.009669	0.83492	-0.09766	0.03488	0.017884	0.69989	-0.03517	0.44825	-0.02774
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-0.03025	0.51433	-0.12365	0.00747	0.016898	0.7157	-0.02894	0.53274	-0.05111
-0.01411	0.76099	-0.09158	0.04795	0.01789	0.69979	-0.03844	0.40718	-0.04764
0.024203	0.60188	-0.05626	0.22493	0.022805	0.62303	-0.02509	0.5887	-0.0584
-0.02654	0.56728	-0.10251	0.02675	-0.00497	0.91469	-0.0467	0.31389	-0.04808
0.006432	0.88975	-0.08407	0.0695	0.006798	0.88351	-0.03833	0.40858	-0.02519
0.027076	0.55946	-0.06096	0.18846	0.009115	0.84425	-0.0414	0.3721	-0.02889
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-0.04093	0.37755	-0.1486	0.00128	0.023907	0.60633	-0.02749	0.55349	-0.01652
-0.02975	0.52134	-0.18689	4.83E-05	0.015784	0.73371	-0.02695	0.56127	-0.00176
0.016909	0.71552	-0.11141	0.01601	0.088766	0.05525	-0.01024	0.82539	0.006556
0.047131	0.30947	-0.14615	0.00154	-0.02614	0.57307	-0.06986	0.13171	-0.10435
-0.04655	0.31549	-0.10892	0.01855	0.039751	0.39141	0.027583	0.55211	0.124162
0.063735	0.16912	-0.0666	0.15073	-0.00246	0.95766	-0.05391	0.24494	-0.0381
0.03272	0.48058	-0.07989	0.0846	0.037556	0.41811	-0.01011	0.82753	0.023611
0.057864	0.21198	-0.06997	0.13107	0.008115	0.86117	-0.04927	0.28795	-0.01009
-0.0497	0.28384	-0.13761	0.00288	0.068289	0.14061	0.02999	0.51796	0.088274
-0.02174	0.63928	-0.13068	0.00467	0.02964	0.52286	0.004578	0.92141	0.00139
-0.03722	0.42225	-0.1028	0.02631	0.018321	0.69292	-0.02675	0.56419	-0.0167
-0.04267	0.35752	-0.15781	0.00062	-0.00057	0.99012	-0.0353	0.44666	-0.05005
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-0.02389	0.60652	-0.1014	0.02845	0.038637	0.40483	-0.0232	0.61704	-0.04898
-0.03038	0.51256	-0.13237	0.00417	0.055022	0.23532	0.01115	0.81008	0.031426
-0.04098	0.37696	-0.19643	1.91E-05	-0.01761	0.70427	-0.15859	0.00058	-0.10309
-0.07671	0.09778	-0.01175	0.80003	0.246417	6.88E-08	0.270014	3.03E-09	0.494251
-0.07347	0.11284	-0.1311	0.00454	-0.00655	0.88779	-0.10945	0.01798	-0.11109
-0.0092	0.84279	-0.09846	0.0334	0.046508	0.31591	-0.04681	0.31277	-0.02084
-0.17439	0.00015	-0.22553	8.47E-07	-0.00919	0.84297	-0.02934	0.52703	-0.12592
0.065656	0.15661	-0.06472	0.16262	-0.00074	0.98727	-0.13088	0.00461	-0.04594
-0.05581	0.22868	-0.18554	5.49E-05	0.005255	0.90982	-0.12223	0.00819	-0.08464

0.124772	0.00694	0.018355	0.69238	-0.00576	0.90114	-0.13708	0.00299	-0.08161
-0.10329	0.02561	-0.1691	0.00024	-0.0457	0.32438	-0.13317	0.00394	-0.14302
0.039433	0.39521	-0.01912	0.68018	0.056849	0.22012	0.12553	0.0066	0.057571
-0.06406	0.16696	-0.15208	0.00098	-0.00319	0.94526	-0.14471	0.00172	0.007102
0.040977	0.37695	0.00523	0.91025	0.039703	0.39198	0.010869	0.81478	-0.0523
-0.06872	0.13814	-0.21711	2.18E-06	-0.01926	0.67802	-0.06378	0.16885	-0.14703
0.235673	2.58E-07	0.236784	2.25E-07	0.01797	0.69851	0.016768	0.71779	-0.11987
-0.00265	0.95449	-0.06615	0.15348	-0.02119	0.6479	0.018169	0.69534	-0.1158
0.019239	0.67838	-0.11732	0.01118	-0.0029	0.95025	-0.14923	0.00122	-0.09698
0.065771	0.15588	-0.05233	0.25909	-0.01079	0.81619	-0.05785	0.21212	0.060418
0.029867	0.51968	-0.07201	0.12017	0.002219	0.96186	-0.13161	0.00439	-0.03221
0.212883	3.46E-06	-0.06266	0.17646	-0.01566	0.73568	-0.15862	0.00058	-0.06395
-0.05155	0.26624	-0.11943	0.00979	0.054051	0.2437	0.108309	0.01922	-0.04006
-0.03701	0.42497	-0.27756	1.05E-09	-0.0423	0.36175	-0.14113	0.00224	-0.14018
0.101119	0.02889	0.077138	0.09592	0.057815	0.21236	0.080288	0.08306	0.003568
-0.18099	8.38E-05	-0.15462	0.0008	0.110545	0.01686	0.140353	0.00237	0.061765
-0.02833	0.54134	-0.17849	0.00011	0.024804	0.59287	-0.09177	0.04747	-0.03766
-0.15387	0.00085	-0.03754	0.41834	-0.06293	0.1746	-0.09665	0.0368	-0.12411
-0.03412	0.46194	-0.15935	0.00055	0.023441	0.61336	0.010262	0.82496	-0.02815
0.056807	0.22046	0.168266	0.00026	0.024599	0.59594	-0.02663	0.56596	-0.01221
-0.00422	0.92757	0.055032	0.23524	0.000425	0.99269	-0.04631	0.31802	-0.06573
-0.14417	0.00179	-0.10611	0.02183	-0.02108	0.64951	-0.09903	0.03238	-0.10474
-0.1488	0.00126	-0.25381	2.68E-08	0.048585	0.29476	-0.07264	0.11695	0.003216
-0.11807	0.01066	-0.14249	0.00202	0.096392	0.03731	-0.01408	0.76148	0.038831
0.070335	0.12908	0.159157	0.00056	0.037096	0.42384	-0.00649	0.88884	0.068287
0.149899	0.00116	0.11214	0.01533	-0.02689	0.56217	-0.15582	0.00073	-0.07755
0.048352	0.29708	-0.12246	0.00807	0.014991	0.74661	-0.10277	0.02636	-0.08869
-0.18747	4.57E-05	-0.20286	9.96E-06	0.093103	0.04433	0.010508	0.82083	0.043375
0.219245	1.72E-06	0.052544	0.25712	0.294234	8.84E-11	0.029939	0.51867	0.197109
-0.09837	0.03356	-0.18842	4.17E-05	0.017911	0.69945	-0.00944	0.83871	-0.04338
0.276802	1.16E-09	0.098069	0.03411	0.005333	0.90849	-0.13346	0.00386	-0.03098
0.047432	0.30638	0.065901	0.15507	0.00397	0.93181	-0.10276	0.02638	-0.03938
-0.04845	0.29613	0.014354	0.75703	-0.00372	0.93618	-0.00032	0.99446	0.021382
-0.10712	0.02059	-0.17948	9.63E-05	0.014152	0.76035	-0.05955	0.19895	-0.0795
0.0298	0.52061	-0.04985	0.28237	0.01384	0.76547	-0.12029	0.00927	-0.06234
-0.02047	0.6591	-0.0862	0.06271	-0.007	0.88009	-0.10771	0.0199	-0.08406
0.246442	6.86E-08	0.24256	1.11E-07	0.014926	0.74767	-0.09067	0.0502	0.120892
-0.13186	0.00431	-0.24397	9.35E-08	-0.0246	0.59597	-0.11698	0.01141	-0.0864
-0.02683	0.56309	-0.18396	6.36E-05	0.038245	0.40962	-0.01348	0.77136	0.025054
0.063569	0.17023	-0.07699	0.09654	-0.01907	0.68108	-0.1268	0.00607	-0.10579
0.135808	0.00328	0.02391	0.60629	-0.00298	0.94878	-0.07566	0.10247	-0.11503
0.088475	0.05606	-0.00812	0.86103	-0.01103	0.81207	-0.0189	0.68366	-0.17661
0.097967	0.0343	-0.00384	0.93402	0.014569	0.75352	-0.06566	0.15658	-0.07353
-0.01249	0.78773	-0.03152	0.49679	0.022016	0.63511	0.002392	0.95889	-0.10576
0.106829	0.02094	-0.05363	0.24737	-0.04525	0.32918	-0.13987	0.00245	-0.13186

-0.12716	0.00593	-0.21042	4.51E-06	0.009953	0.83015	-0.10994	0.01747	0.029995
0.145093	0.00167	0.00562	0.9036	0.053201	0.25121	-0.02118	0.64796	0.027634
0.023364	0.61453	-0.07223	0.11908	-0.02443	0.59853	-0.10584	0.02216	-0.13463
-0.01419	0.75974	-0.01797	0.69846	0.013493	0.77119	-0.07	0.13091	-0.05051
0.002067	0.96446	0.096738	0.03663	0.003825	0.9343	0.038522	0.40623	0.049918
-0.14368	0.00185	-0.33121	2.03E-13	-0.03556	0.4433	-0.16245	0.00042	-0.12732
0.314879	3.30E-12	0.259637	1.24E-08	0.024738	0.59386	-0.0554	0.23212	-0.01468
-0.08303	0.07304	-0.06831	0.14051	-0.00069	0.98812	-0.09851	0.03331	-0.11349
-0.09205	0.04681	-0.11649	0.01176	-0.02356	0.61149	-0.07948	0.0862	-0.13197
0.001222	0.97898	-0.14549	0.00162	-0.03418	0.46125	-0.13362	0.00382	-0.12691
0.10058	0.02976	-0.03157	0.4961	-0.02506	0.58905	-0.14364	0.00186	-0.12293
0.08663	0.0614	0.109922	0.01749	0.006187	0.89392	0.05214	0.2608	0.035485
0.022043	0.63469	-0.01222	0.7922	0.012184	0.79286	0.004164	0.92848	-0.04991
0.241003	1.35E-07	0.053513	0.24844	-0.00522	0.91045	0.02497	0.59041	-0.21538
-0.00464	0.9203	-0.23699	2.20E-07	-0.02086	0.65303	-0.05893	0.20363	-0.14312
-0.04717	0.30908	-0.05315	0.25165	0.067276	0.14661	-0.04295	0.35438	0.199687
0.061442	0.18501	-0.07822	0.09134	0.008996	0.84627	-0.05793	0.21149	-0.00259
0.024001	0.60491	-0.02144	0.64396	0.01904	0.68152	-0.07124	0.12421	-0.04316
0.061846	0.18214	-0.08043	0.0825	0.001758	0.96977	-0.05062	0.27496	-0.12036
0.033252	0.47346	0.13137	0.00446	0.016174	0.72739	-0.0532	0.25119	-0.01032
0.162233	0.00043	0.013615	0.76918	0.081248	0.07944	0.008707	0.85114	0.133981
-0.07941	0.08651	-0.10254	0.02671	0.116588	0.01169	0.06495	0.16113	0.082226
0.237515	2.06E-07	0.111324	0.01609	0.065047	0.1605	0.030745	0.50747	-0.02381
0.077487	0.09442	-0.06361	0.16998	-0.00994	0.8304	-0.10343	0.0254	-0.08141
0.096891	0.03634	-0.00027	0.99531	-0.00867	0.85182	-0.13319	0.00393	-0.07533
-0.07731	0.0952	-0.19455	2.30E-05	0.047793	0.30272	-0.00689	0.88192	0.040731
0.022826	0.62271	-0.04231	0.36162	0.046773	0.31316	0.010561	0.81995	-0.05782
-0.03856	0.40574	-0.06632	0.15247	0.051098	0.27047	-0.00388	0.93328	0.030125
-0.14061	0.00232	-0.15391	0.00085	0.02406	0.60402	-0.05337	0.24969	0.008907
0.052651	0.25615	-0.16385	0.00038	-0.00336	0.94221	-0.1115	0.01593	-0.12523
0.036253	0.43445	-0.09761	0.03496	0.074943	0.10578	-0.0669	0.14886	0.139906
0.060703	0.19037	0.012844	0.78192	-0.00602	0.89683	-0.11731	0.01118	-0.06789
0.04304	0.35339	-0.15697	0.00066	0.024476	0.59779	-0.0923	0.04621	-0.03952
-0.23608	2.45E-07	-0.23903	1.72E-07	0.127452	0.00581	0.308741	9.01E-12	0.158294
0.009764	0.83332	-0.05653	0.22269	0.024646	0.59525	0.024739	0.59385	-0.04564
-0.13064	0.00469	-0.17289	0.00017	-0.00831	0.85777	-0.10853	0.01897	-0.11163
0.020076	0.66521	-0.04643	0.31675	0.010439	0.82198	-0.1061	0.02184	-0.05752
0.100231	0.03034	-0.09586	0.03838	0.002067	0.96446	-0.12463	0.007	-0.05318
0.306314	1.33E-11	0.092934	0.04472	-0.02284	0.62244	-0.11155	0.01588	-0.09535
-0.12288	0.00785	-0.27768	1.03E-09	-0.02484	0.59234	-0.09288	0.04485	-0.18653
-0.17731	0.00012	-0.1449	0.00169	-0.0228	0.62317	-0.03736	0.4206	-0.07044
-0.04703	0.31048	-0.06439	0.1648	-0.00225	0.9613	-0.08232	0.07554	-0.06361
0.038823	0.40257	-0.17864	0.0001	0.044735	0.33473	0.001563	0.97312	0.004382
-0.22322	1.10E-06	-0.24901	4.96E-08	0.07487	0.10612	0.025596	0.58113	-0.00377
0.083358	0.07191	-0.01157	0.80313	0.044359	0.33882	-0.07182	0.12114	-0.02633

0.218585	1.85E-06	0.001843	0.96831	0.005675	0.90265	-0.12828	0.0055	-0.00057
0.030811	0.50656	-0.07432	0.1087	-0.00716	0.8774	-0.13663	0.00309	-0.08145
0.395263	6.50E-19	0.290119	1.65E-10	0.013573	0.76987	-0.11443	0.01335	-0.07224
0.067399	0.14588	-0.04898	0.29084	0.012019	0.79559	-0.07756	0.0941	-0.14557
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-0.19648	1.90E-05	-0.2245	9.52E-07	0.006233	0.89313	-0.0299	0.51926	0.079572
-0.00713	0.87783	-0.02887	0.53368	-0.01484	0.7491	-0.10825	0.01929	-0.01292
-0.16245	0.00042	-0.12438	0.00712	0.026273	0.57117	0.025887	0.57684	-0.0302
0.076483	0.09878	0.031807	0.49292	0.023958	0.60556	-0.06737	0.14602	-0.04757
0.025975	0.57554	-0.01478	0.74999	0.007029	0.87959	-0.12026	0.00928	-0.06667
-5.72E-05	0.99902	-0.02794	0.54701	0.049549	0.28528	-0.0467	0.3139	-0.02216
0.065822	0.15556	-0.15584	0.00073	-0.0213	0.64623	-0.10884	0.01863	-0.16419
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0.022813	0.6229	0.032064	0.48943	0.017342	0.70856	0.126215	0.00631	-0.06064
0.014536	0.75405	0.068222	0.14101	0.043074	0.353	-0.04232	0.36151	-0.07196
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0.085064	0.06626	0.109372	0.01806	0.069248	0.13511	0.064039	0.16709	0.113593
0.123722	0.00743	0.019965	0.66695	0.020807	0.6538	-0.03118	0.50142	-0.04502
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0.016915	0.71542	0.218483	1.87E-06	0.047054	0.31025	0.079734	0.08522	-0.04099
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0.110606	0.0168	0.052493	0.25758	-0.03352	0.46996	-0.01268	0.78461	-0.19709
0.070279	0.12938	0.010971	0.81308	0.047512	0.30556	-0.01608	0.72883	0.001878
0.063768	0.1689	-0.02753	0.55284	0.038561	0.40576	-0.03027	0.51411	0.015085
0.107219	0.02048	-0.02971	0.52183	0.031392	0.49857	-0.0427	0.35724	-0.02663
0.073727	0.11157	-0.19374	2.49E-05	0.016876	0.71605	-0.13865	0.00268	0.006476
0.123217	0.00768	0.010705	0.81752	0.02891	0.53315	-0.06208	0.18051	-0.03856
0.12953	0.00506	0.192106	2.92E-05	0.023661	0.61004	0.091402	0.04838	0.007274
-0.07672	0.09772	0.040231	0.38571	-0.01204	0.79526	-0.00028	0.99516	-0.03936
0.004236	0.92726	0.093821	0.04271	0.006054	0.89618	-0.04665	0.31449	0.0719
0.026334	0.57027	0.013253	0.77515	0.015714	0.73485	-0.08515	0.066	-0.02785
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0.08291	0.07346	-0.0955	0.03912	-0.0378	0.41509	-0.00449	0.92295	-0.19926
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0.150658	0.00109	0.189507	3.76E-05	0.006455	0.88936	0.07682	0.0973	-0.13081
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0.015905	0.73174	-0.19361	2.52E-05	0.029009	0.53175	0.002297	0.96051	-0.0573
0.111995	0.01546	-0.13702	0.00301	0.01019	0.82616	-0.12143	0.00862	-0.05776
0.196192	1.96E-05	-0.10993	0.01748	-0.07287	0.11581	-0.20979	4.82E-06	-0.21304

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0.005131	0.91195	-0.07797	0.0924	0.005945	0.89805	-0.10763	0.01999	-0.08971
0.021669	0.64045	-0.06105	0.18784	-0.01069	0.81778	-0.14598	0.00156	-0.07594
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-0.14168	0.00215	-0.22414	9.93E-07	-0.02566	0.5802	-0.12222	0.00819	-0.04957
0.160137	0.00051	-0.0065	0.88863	0.093098	0.04434	-0.03227	0.48668	0.01623
-0.06847	0.13957	-0.1518	0.001	0.031438	0.49794	-0.11203	0.01543	0.004408
0.094977	0.04021	-0.00936	0.84013	0.003536	0.93925	-0.139	0.00261	-0.03725
-0.04546	0.32699	-0.16077	0.00049	0.042649	0.35778	-0.07562	0.10263	0.018711
-0.04833	0.29734	-0.15807	0.00061	-0.00505	0.91325	-0.13569	0.0033	-0.08051
0.207635	6.06E-06	0.129469	0.00508	0.037499	0.41882	0.044309	0.33936	-0.06915
0.038505	0.40644	-0.00806	0.86211	0.011863	0.79819	-0.09865	0.03306	-0.05752
0.076403	0.09913	-0.1373	0.00295	-0.0451	0.33081	-0.07948	0.08623	-0.17084
-0.01857	0.689	-0.30177	2.75E-11	-0.03562	0.44252	-0.17015	0.00022	-0.12823
0.115924	0.01218	-0.04165	0.36919	0.033944	0.4643	-0.09509	0.03997	-0.0494
0.24933	4.76E-08	0.351927	4.62E-15	0.067169	0.14726	0.285715	3.19E-10	0.133102
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-0.21693	2.23E-06	-0.35069	5.83E-15	-0.02665	0.56565	-0.15078	0.00108	-0.07437
0.039274	0.39712	-0.076	0.10095	-0.04704	0.31045	-0.09975	0.03114	-0.11538
0.092027	0.04685	-0.03693	0.42586	-0.02673	0.56446	-0.12767	0.00573	-0.1115
0.191374	3.14E-05	-0.06696	0.14855	-0.03327	0.47323	-0.13331	0.0039	-0.06098
0.176808	0.00012	0.02984	0.52006	-0.01717	0.71124	-0.12453	0.00705	-0.05449
0.032491	0.48365	0.02099	0.65096	0.107104	0.02061	0.08667	0.06128	0.138629
0.284895	3.60E-10	0.017768	0.70174	0.034415	0.45813	-0.08686	0.0607	-0.03731
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-0.01272	0.7839	-0.33308	1.46E-13	-0.0017	0.97084	-0.13897	0.00261	-0.15344
-0.00743	0.87274	-0.11667	0.01163	0.067985	0.1424	-0.04329	0.35061	0.04428
-0.06256	0.17714	-0.12761	0.00575	0.021861	0.63749	-0.03693	0.42594	0.197202
-0.01765	0.70369	-0.08613	0.06292	-0.01279	0.78273	-0.12381	0.00739	-0.09271
0.107046	0.02068	-0.05359	0.24776	0.100577	0.02977	-0.05774	0.21295	0.121904
0.0035	0.93987	-0.19562	2.07E-05	0.006117	0.89512	-0.00342	0.9412	0.062588
-0.0891	0.05433	-0.19824	1.59E-05	0.01896	0.68279	-0.13338	0.00388	-0.07829
0.078694	0.08938	-0.0733	0.11368	-0.03925	0.39744	-0.10044	0.02999	-0.0853
-0.08155	0.0783	-0.24938	4.73E-08	-0.01183	0.79883	0.022889	0.62175	-0.03435
0.020142	0.66419	0.127827	0.00567	0.144303	0.00177	0.302664	2.38E-11	0.187314
0.070001	0.13091	0.02717	0.55808	0.025382	0.5843	-0.07009	0.13039	-0.03633
-0.10412	0.02445	-0.0752	0.10456	-0.04267	0.35754	-0.04241	0.36053	-0.16711
0.138227	0.00276	-0.06084	0.18935	0.068928	0.13693	-0.01947	0.67475	0.010081
0.081959	0.07683	-0.05265	0.25612	0.001226	0.97891	-0.11286	0.01468	-0.06544
0.130158	0.00484	0.073489	0.11274	0.043376	0.34964	0.0223	0.63075	0.011778
0.091792	0.04742	0.069354	0.13451	0.055108	0.23459	-0.07519	0.10464	0.124977
0.096032	0.03803	-0.01047	0.82143	0.023904	0.60638	-0.07107	0.1251	-0.01515

0.116224	0.01196	-0.06084	0.18937	0.010813	0.81572	-0.08527	0.0656	-0.02593
0.063154	0.17305	-0.11558	0.01244	0.001414	0.97568	-0.1362	0.00319	-0.04918
0.002419	0.95842	-0.08227	0.0757	0.017482	0.70632	-0.07537	0.10379	-0.04882
0.034963	0.451	-0.08184	0.07725	-0.02004	0.6658	-0.13764	0.00288	-0.09471
-0.03662	0.42982	-0.24469	8.54E-08	0.075935	0.10123	0.128301	0.00549	-0.01744
-0.08122	0.07953	-0.12845	0.00544	0.011242	0.80855	-0.03897	0.4008	-0.07091
-0.03091	0.50524	-0.09249	0.04575	-0.00598	0.8974	-0.05228	0.25951	-0.07538
-0.04859	0.29476	-0.15732	0.00065	0.0684	0.13997	-0.04053	0.38222	-0.03887
0.016674	0.7193	-0.04361	0.34708	0.040203	0.38604	-0.05204	0.2617	-0.0171
-0.13484	0.00351	-0.18101	8.37E-05	0.047324	0.30749	0.037467	0.41921	0.063066
0.260697	1.08E-08	0.125051	0.00681	-0.0028	0.9519	-0.01417	0.76013	-0.01865
0.218047	1.97E-06	0.128166	0.00554	0.024053	0.60413	0.00966	0.83508	0.088981
0.031573	0.4961	-0.06011	0.19471	0.001233	0.9788	-0.13117	0.00452	-0.01251
0.042721	0.35696	-0.12448	0.00708	0.018754	0.68605	-0.08486	0.06692	-0.0741
0.238525	1.83E-07	0.273372	1.89E-09	0.00831	0.85785	0.086208	0.06268	0.065071
-0.33705	7.20E-14	-0.45995	7.97E-26	-0.0323	0.48617	-0.02685	0.56278	-0.11947
-0.07005	0.13061	-0.0023	0.96049	-0.00966	0.83514	0.0922	0.04644	-0.13375
-0.02402	0.60464	-0.11671	0.0116	-0.03241	0.48474	-0.13638	0.00315	-0.08096
0.017277	0.70961	-0.21986	1.61E-06	-0.00207	0.96442	-0.00954	0.83712	-0.05372
-0.08338	0.07185	-0.02983	0.52017	0.066637	0.1505	0.112323	0.01516	0.130175
-0.08361	0.07107	-0.10219	0.02724	0.039296	0.39686	-0.07869	0.0894	0.107277
-0.11331	0.01429	-0.10708	0.02065	0.013212	0.77582	0.033211	0.47402	-0.11611
-0.04289	0.3551	-0.12268	0.00795	0.035142	0.44868	0.094035	0.04224	-0.04873
-0.03603	0.43729	-0.1528	0.00092	0.030438	0.51172	-0.04041	0.38356	-0.06158
-0.06942	0.13412	-0.12978	0.00497	0.02534	0.58491	-0.01626	0.72598	0.008999
0.009043	0.84547	-0.11765	0.01094	-0.02351	0.61238	-0.13212	0.00424	-0.1399
0.318736	1.73E-12	0.10566	0.02239	-0.01503	0.74591	-0.16339	0.00039	-0.10251
0.248157	5.52E-08	0.123209	0.00769	0.015034	0.74592	-0.06734	0.1462	-0.04742
0.174528	0.00015	0.208297	5.65E-06	0.00096	0.98349	-0.02633	0.5703	0.013109
0.225965	8.06E-07	0.165516	0.00033	0.010595	0.81938	-0.11123	0.01619	-0.01527
0.079704	0.08533	-0.0296	0.52339	-0.0063	0.89192	-0.09488	0.04042	-0.05294
-0.09416	0.04196	-0.15569	0.00074	0.020539	0.65797	-0.06494	0.16117	-0.02211
0.112812	0.01472	-0.07493	0.10586	-0.029	0.53181	-0.10933	0.01811	-0.03292
0.137348	0.00294	0.022175	0.63267	-0.04241	0.36052	-0.22454	9.48E-07	-0.07824
-0.11743	0.01109	-0.21514	2.71E-06	-0.03364	0.46838	-0.10225	0.02714	-0.1265
0.205171	7.84E-06	0.155161	0.00077	0.009674	0.83484	0.05749	0.21495	-0.02187
0.05514	0.23432	-0.14053	0.00234	-0.04968	0.28397	-0.04734	0.30735	-0.17553
-0.09843	0.03346	-0.15813	0.0006	-0.00919	0.84304	-0.10113	0.02887	-0.06595
0.014682	0.75167	0.178494	0.00011	0.174904	0.00015	0.107633	0.01999	0.440243
0.043879	0.34408	0.109698	0.01772	0.015744	0.73436	0.047876	0.30187	-0.0472
-0.15099	0.00106	-0.21568	2.55E-06	0.015345	0.74084	-0.00049	0.99165	-0.01965
0.276096	1.29E-09	0.12146	0.0086	-0.04272	0.35697	-0.05949	0.19938	-0.16073
-0.04706	0.31019	-0.16094	0.00048	0.028026	0.54574	-0.09353	0.04335	0.015608
-0.05482	0.23709	0.04281	0.35597	0.01633	0.72486	0.040063	0.3877	0.037222
-0.09751	0.03515	-0.17653	0.00013	0.04911	0.28957	-0.03225	0.4869	0.096092

-0.05499	0.23559	-0.08729	0.05944	0.069526	0.13355	0.096145	0.0378	0.082392
-0.07034	0.12906	-0.1075	0.02014	0.018507	0.68996	-0.02096	0.6514	0.013011
-0.05623	0.22517	-0.08635	0.06225	0.007455	0.87234	-0.02263	0.62568	-0.02784
-0.04903	0.29032	-0.13514	0.00343	0.01519	0.74337	-0.0442	0.34058	0.003204
-0.08093	0.08061	-0.08311	0.07275	0.079195	0.08735	0.147288	0.00141	0.019679
-0.06357	0.1702	-0.10407	0.0245	0.004138	0.92894	-0.05045	0.27663	-0.0326
0.023363	0.61455	-0.02729	0.55636	0.050201	0.27897	-0.0293	0.5276	0.056578
-0.05324	0.25082	-0.07642	0.09904	0.032921	0.47788	-0.0475	0.30566	-0.0179
-0.02606	0.57435	-0.01912	0.68025	0.029829	0.52021	-0.0478	0.30267	-0.00701
-0.06323	0.17256	-0.08183	0.07729	-0.00274	0.95297	-0.03866	0.40455	-0.01754
-0.04569	0.32452	-0.08785	0.05783	0.021278	0.6465	-0.05308	0.2523	-0.04915
0.105843	0.02216	0.1129	0.01464	0.016266	0.72589	-0.02691	0.56189	0.237454
0.005887	0.89903	0.015663	0.73567	0.001688	0.97097	-0.03999	0.38859	-0.02949
0.048886	0.29178	0.0564	0.22379	0.05493	0.23611	0.026856	0.56264	-0.0062
-0.05938	0.20023	-0.06292	0.17466	0.042517	0.35927	0.008846	0.8488	0.100213
-0.02342	0.61374	-0.09086	0.04974	0.073957	0.11046	-0.03694	0.42574	-0.01823
-0.0372	0.42256	-0.04721	0.30864	0.04425	0.34	0.018426	0.69125	0.061367
0.009697	0.83445	0.017463	0.70662	0.036233	0.43471	0.076356	0.09934	0.167542
-0.01231	0.7907	-0.08173	0.07768	-0.0018	0.96903	-0.05499	0.23563	-0.01465
-0.03985	0.39023	0.016114	0.72836	0.043717	0.34586	-0.0314	0.49851	-0.02642
-0.1185	0.01038	-0.0783	0.09102	0.032066	0.4894	-0.03871	0.40395	-0.05302
0.005907	0.89869	0.036779	0.42782	0.049528	0.28548	-0.00134	0.977	0.029868
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-0.08847	0.05608	-0.16773	0.00027	0.051237	0.26916	-0.01962	0.67232	-0.02885
-0.04881	0.29256	-0.08785	0.05782	-0.01047	0.82145	-0.0638	0.16868	-0.03019
-0.0389	0.4016	-0.07383	0.11109	-0.00304	0.94769	-0.04176	0.36793	0.017619
-0.08224	0.07581	-0.11277	0.01476	-0.02068	0.65573	-0.10066	0.02963	-0.01596
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-0.08595	0.06346	-0.13842	0.00272	0.023929	0.60599	-0.04429	0.33958	-0.10219
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0.043466	0.34864	-0.02182	0.63806	0.009142	0.84379	-0.05375	0.24631	-0.05781
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-0.03042	0.51191	-0.18005	9.13E-05	0.043232	0.35124	-0.01113	0.81043	0.022537
0.120427	0.00919	-0.08501	0.06645	-0.00618	0.89411	-0.09765	0.03489	-0.08746
0.118732	0.01023	-0.03617	0.43554	-0.02722	0.5573	-0.07877	0.08909	-0.06028
0.032183	0.48781	0.005419	0.90702	0.025253	0.58621	-0.01187	0.79813	0.008894
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0.044125	0.34137	0.066438	0.15172	-0.00446	0.92338	-0.06569	0.15642	-0.00034
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-0.01704	0.71334	-0.11742	0.0111	0.028308	0.54172	-0.02408	0.60379	-0.03731
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0.149973	0.00115	0.009228	0.84236	0.04078	0.37926	-0.0385	0.40653	-0.0272
0.103947	0.02468	-0.05894	0.2036	0.016004	0.73014	-0.05947	0.19954	-0.04228
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0.127	0.00599	0.080321	0.08294	0.056612	0.22205	-0.01768	0.70319	0.323852
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-0.04991	0.28177	-0.1415	0.00218	0.021383	0.64487	-0.00283	0.95136	-0.01667
0.086953	0.06044	-0.00945	0.83862	0.039224	0.39773	-0.04257	0.3587	-0.01153
0.018507	0.68996	-0.03011	0.51631	0.081122	0.0799	-0.03027	0.51405	-0.01871
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-0.12265	0.00797	-0.20366	9.17E-06	0.010388	0.82284	-0.03549	0.44424	-0.06996
0.139199	0.00257	0.008945	0.84712	0.025137	0.58792	-0.05724	0.21698	-0.03757
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-0.05941	0.19998	-0.21224	3.71E-06	-0.01343	0.77217	-0.02478	0.59324	-0.09678
-0.0723	0.11872	-0.13569	0.0033	-0.00172	0.97036	-0.01356	0.77013	-0.05516
-0.09212	0.04662	-0.13828	0.00275	0.001729	0.97028	-0.03875	0.40341	-0.06468
-0.09401	0.0423	-0.23817	1.91E-07	0.00733	0.87447	-0.09938	0.03178	-0.04802
-0.21388	3.11E-06	-0.24604	7.21E-08	-0.04457	0.3365	0.040398	0.38374	-0.1099
-0.03368	0.4678	-0.30285	2.31E-11	-0.04972	0.28361	-0.11215	0.01531	-0.11298
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-0.20175	1.12E-05	-0.14514	0.00166	-0.01013	0.82714	-0.01766	0.70351	0.009337
0.14316	0.00193	-0.12007	0.0094	-0.06913	0.13576	-0.12116	0.00877	-0.08287
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0.12166	0.00849	0.016764	0.71786	-0.03906	0.39975	-0.09987	0.03094	-0.09773
-0.1405	0.00234	-0.10461	0.02377	-0.0088	0.84952	0.056974	0.21911	-0.04484
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0.015905	0.73174	0.210903	4.28E-06	0.025778	0.57844	0.125695	0.00653	0.052025
0.350845	5.67E-15	0.193591	2.53E-05	0.054549	0.23939	-0.03476	0.45363	0.199593
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-0.03857	0.40569	0.02083	0.65344	0.017008	0.71392	0.018662	0.68751	0.106391
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-0.01672	0.71855	0.009853	0.83182	-0.00112	0.9808	-0.00155	0.97333	-0.03481
-0.18286	7.05E-05	-0.18572	5.39E-05	-0.03974	0.39151	-0.0288	0.53464	-0.16893
0.104817	0.0235	0.046506	0.31593	-0.0448	0.33405	-0.08387	0.07016	-0.14406
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-0.14108	0.00224	-0.00665	0.88612	-0.00445	0.92359	0.018767	0.68584	0.000941
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-0.11718	0.01127	-0.06236	0.17851	-0.04405	0.34218	-0.04963	0.28445	-0.1001
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-0.2634	7.50E-09	-0.33766	6.45E-14	-0.00198	0.96597	0.019634	0.67216	0.017288
-0.04769	0.30378	-0.13128	0.00449	0.013822	0.76577	0.036828	0.4272	0.009406
-0.10879	0.01869	-0.11432	0.01343	-0.01336	0.77342	-0.00211	0.96368	-0.05482
-0.19967	1.38E-05	-0.18386	6.42E-05	-0.02433	0.59998	0.027593	0.55198	-0.02938
-0.23952	1.62E-07	-0.23462	2.92E-07	-0.02664	0.56578	0.007109	0.87823	-0.01316
-0.07048	0.12829	0.076069	0.10062	-0.02078	0.65416	-0.00237	0.95929	0.037508
-0.09914	0.03219	-0.01288	0.7813	-0.04	0.38844	0.009235	0.84224	-0.0664
-0.10524	0.02293	-0.22624	7.81E-07	-0.04067	0.38057	-0.06897	0.1367	-0.0814
-0.06216	0.17995	0.04747	0.30599	0.029657	0.52262	0.153938	0.00084	0.041506
-0.16125	0.00047	-0.24479	8.43E-08	-0.04673	0.31356	0.005329	0.90856	-0.08228
-0.172	0.00019	-0.04683	0.31256	0.009785	0.83297	0.157036	0.00066	0.024777
-0.03148	0.49734	0.161601	0.00045	-0.01538	0.74029	0.047154	0.30923	-0.09357
-0.18701	4.78E-05	-0.3615	7.29E-16	-0.02081	0.65369	-0.02755	0.55264	-0.0799
0.124413	0.00711	0.124097	0.00725	-0.00782	0.86608	-0.08206	0.07648	0.010736
0.013206	0.77593	0.210161	4.63E-06	-0.07876	0.08912	0.004091	0.92973	-0.09969
-0.0637	0.16935	0.027578	0.55218	-0.05701	0.21882	0.022949	0.62084	-0.09899
0.043146	0.3522	0.072522	0.11757	-0.05388	0.24523	-0.02678	0.56378	-0.07457
-0.196	1.99E-05	-0.11477	0.01307	0.002465	0.95764	-0.01697	0.71453	0.105021
-0.10132	0.02858	-0.08099	0.0804	-0.01912	0.68019	-0.06843	0.1398	-0.01385
-0.20142	1.15E-05	-0.16152	0.00046	-0.04708	0.30999	0.0322	0.48757	-0.09322
-0.0177	0.70283	0.161158	0.00047	0.027321	0.5559	0.018378	0.69202	0.139267
-0.08981	0.05244	-0.03322	0.47395	-0.02709	0.55919	0.00024	0.99587	-0.05995
-0.02249	0.62786	0.107071	0.02065	-0.03933	0.39649	0.035375	0.44567	-0.06333
-0.02633	0.57029	-0.16965	0.00023	-0.02735	0.5555	-0.02495	0.59066	-0.04818
-0.20615	7.08E-06	-0.26031	1.14E-08	-0.02946	0.52538	-0.02252	0.62733	-0.05256
0.033404	0.47145	0.198188	1.60E-05	0.05051	0.27602	0.16552	0.00033	0.145464
0.033022	0.47653	0.301586	2.82E-11	0.042237	0.36244	0.149582	0.00119	0.087805
-0.17161	0.00019	0.09645	0.0372	-0.02386	0.60697	0.074919	0.10589	0.02374
-0.08075	0.0813	-0.09547	0.03919	-0.01962	0.67243	-0.10609	0.02185	-0.09126
-0.11096	0.01645	-0.17383	0.00016	-0.00186	0.96801	0.009259	0.84183	-0.0752
-0.15226	0.00096	-0.18202	7.62E-05	-0.03311	0.47529	-0.08455	0.06792	-0.08718
-0.27911	8.36E-10	-0.34545	1.55E-14	-0.01981	0.66941	0.025756	0.57877	-0.12978
-0.2057	7.42E-06	-0.17447	0.00015	0.00253	0.95652	0.058803	0.20465	-0.15445
-0.14956	0.00119	-0.06303	0.1739	-0.06703	0.14811	0.036022	0.43738	-0.03341
-0.13933	0.00255	0.014763	0.75035	0.026258	0.57138	0.059625	0.19838	-0.02071
-0.18468	5.95E-05	-0.27613	1.28E-09	-0.01855	0.68925	-0.0026	0.9553	-0.11019
-0.07406	0.10998	0.15308	0.0009	0.001723	0.97038	0.04153	0.37055	-0.0679

-0.10751	0.02013	-0.02194	0.63621	-0.03628	0.43406	0.050977	0.2716	-0.08027
0.122937	0.00782	-0.10958	0.01784	-0.01643	0.72317	-0.06033	0.19308	-0.10461
-0.18297	6.98E-05	-0.07329	0.1137	-0.0404	0.38372	0.057278	0.21665	-0.066
-0.17161	0.00019	-0.22303	1.13E-06	-0.08028	0.0831	-0.01872	0.68653	-0.08982
-0.17245	0.00018	-0.02156	0.64215	-0.06901	0.13649	0.066935	0.14868	-0.19492
-0.16548	0.00033	-0.27354	1.85E-09	-0.01655	0.72135	-0.0011	0.98106	-0.05319
-0.1337	0.0038	-0.06443	0.16449	0.036221	0.43486	0.095853	0.03839	0.119725
-0.10905	0.0184	-0.0242	0.60187	0.018851	0.68452	0.036033	0.43725	0.06355
-0.14943	0.0012	-0.32017	1.36E-12	-0.0536	0.24764	-0.04427	0.3398	-0.15156
-0.12957	0.00504	-0.22238	1.21E-06	0.000241	0.99586	0.03089	0.50547	0.000825
-0.18326	6.79E-05	-0.04074	0.37967	-0.04494	0.33254	-0.01979	0.66976	-0.08339
-0.17192	0.00019	-0.1499	0.00116	-0.07051	0.12812	-0.1255	0.00662	-0.1727
-0.20152	1.14E-05	-0.39378	9.00E-19	-0.0518	0.26397	-0.03112	0.50225	-0.15195
-0.11579	0.01228	0.093192	0.04413	0.002944	0.94941	0.050507	0.27605	-0.02742
-0.06851	0.1393	-0.0511	0.27041	-0.04628	0.31832	-0.03878	0.40309	-0.09573
-0.12381	0.00739	-0.1807	8.61E-05	-0.02818	0.54361	-0.00437	0.9249	-0.01182
0.044263	0.33986	0.219411	1.69E-06	-0.01357	0.76991	0.022248	0.63154	0.042071
-0.13143	0.00444	-0.2485	5.29E-08	-0.01168	0.80132	-0.02166	0.64065	-0.04106
-0.0244	0.5989	-0.14116	0.00223	-0.09433	0.0416	-0.10612	0.02181	-0.18429
-0.10728	0.02041	-0.07809	0.09187	-0.03001	0.51766	0.028997	0.53192	-0.00383
-0.09568	0.03874	-0.26811	3.95E-09	-0.04688	0.3121	-0.06648	0.15147	-0.10344
0.018245	0.69413	0.077987	0.0923	-0.0044	0.92441	0.045383	0.32777	0.035294
-0.07478	0.10655	-0.10788	0.01971	-0.03349	0.47025	0.011341	0.80689	-0.07145
-0.1369	0.00303	-0.23714	2.16E-07	-0.08676	0.06102	-0.09393	0.04247	-0.05473
-0.18848	4.15E-05	-0.23947	1.63E-07	-0.03571	0.44135	-0.03504	0.45004	-0.09577
-0.18023	8.98E-05	-0.25306	2.95E-08	-0.06448	0.1642	-0.1111	0.01631	-0.05133
-0.07536	0.10385	-0.18728	4.65E-05	-0.05995	0.19594	-0.0571	0.21806	-0.08595
-0.20077	1.23E-05	-0.22042	1.51E-06	0.037818	0.41487	0.052495	0.25757	0.021744
-0.22606	7.97E-07	-0.33177	1.84E-13	-0.03533	0.44622	0.015823	0.73308	-0.08729
-0.14177	0.00213	-0.21845	1.88E-06	-0.05861	0.20613	-0.07972	0.08527	-0.14555
-0.16072	0.00049	-0.13285	0.00403	-0.04394	0.34342	0.019844	0.66886	-0.14323
-0.27945	7.97E-10	-0.40013	2.21E-19	0.01421	0.75939	0.11982	0.00955	0.024972
-0.04713	0.30949	-0.16813	0.00026	-0.05099	0.27151	-0.02435	0.59967	-0.06224
-0.16447	0.00036	-0.00989	0.83129	-0.01864	0.68778	0.055495	0.23132	-0.11518
-0.14664	0.00148	-0.15395	0.00084	-0.01323	0.77557	0.00122	0.97902	-0.04161
0.202474	1.04E-05	0.191377	3.14E-05	0.034	0.46356	0.03406	0.46277	0.088599
0.001815	0.9688	-0.31893	1.68E-12	0.002351	0.95959	-0.00436	0.92522	-0.09864
-0.20847	5.55E-06	-0.19758	1.70E-05	-0.02606	0.57426	-0.02727	0.55668	-0.11865
-0.09533	0.03948	-0.12585	0.00646	-0.03093	0.50496	0.033137	0.475	-0.08457
-0.06402	0.16719	-0.18182	7.76E-05	-0.00847	0.85519	-0.0014	0.97595	-0.01665
-0.05322	0.25101	-0.05067	0.27451	-0.04312	0.35244	-0.02411	0.60331	-0.10209
-0.18953	3.75E-05	-0.23756	2.05E-07	-0.04324	0.35121	-0.00407	0.93014	-0.17627
-0.18169	7.85E-05	-0.23729	2.12E-07	-0.08429	0.06877	-0.11572	0.01233	-0.20672
-0.07276	0.11638	-0.01188	0.79783	-0.042	0.36516	0.042294	0.3618	-0.01377
0.039541	0.39391	0.175385	0.00014	0.00467	0.91982	-0.04627	0.31839	0.023332

0.091167	0.04896	0.150034	0.00115	0.017284	0.70949	-0.02227	0.63125	0.066084
0.103961	0.02466	0.148896	0.00125	0.021564	0.64207	-0.01002	0.82904	0.039251
0.022902	0.62155	0.127736	0.0057	-0.00396	0.93195	-0.03755	0.41815	0.032538
0.054136	0.24296	0.12875	0.00533	-0.01674	0.71829	-0.04297	0.35422	0.034295
0.093708	0.04296	0.189877	3.63E-05	0.021764	0.63899	-0.04144	0.37158	0.10296
0.056568	0.22241	0.141001	0.00226	-0.0015	0.97419	-0.08333	0.07202	0.015671
0.038092	0.4115	0.079138	0.08758	-0.01067	0.81809	-0.09914	0.03219	0.014799
0.049965	0.28124	0.063899	0.16803	-0.01982	0.66917	-0.09102	0.04933	0.014913
0.06026	0.19363	0.171655	0.00019	0.013521	0.77073	-0.03894	0.4011	0.04006
0.095598	0.03891	0.223232	1.10E-06	0.047563	0.30504	0.020998	0.65083	0.103088
0.097661	0.03487	0.134538	0.00358	0.033944	0.46431	-0.04129	0.37332	0.04875
0.053753	0.24632	0.062671	0.17637	-0.00026	0.99547	-0.08763	0.05847	-0.00637
-0.15036	0.00112	-0.29074	1.50E-10	-0.07788	0.09275	-0.07945	0.08636	-0.24402
-0.03009	0.51656	-0.02521	0.58681	-0.05017	0.27931	-0.00233	0.9599	-0.06357
-0.06555	0.15725	-0.03714	0.4233	-0.04477	0.33437	-0.02526	0.58615	-0.21741
-0.22858	5.96E-07	-0.33396	1.25E-13	-0.05114	0.27007	-0.01941	0.67562	-0.05367
-0.17039	0.00022	-0.24905	4.93E-08	-0.0653	0.15888	-0.05583	0.22851	-0.09266
-0.01686	0.71625	0.054477	0.24	0.007307	0.87486	0.069382	0.13435	0.068633
-0.24552	7.70E-08	-0.26527	5.82E-09	-0.05536	0.23248	-0.03347	0.47055	-0.15294
-0.12529	0.00671	-0.15037	0.00112	-0.02655	0.56712	0.008785	0.84983	-0.02671
-0.12542	0.00665	0.005752	0.90134	0.002028	0.96514	0.05593	0.22768	-0.00032
-0.24919	4.84E-08	-0.13504	0.00346	-0.00155	0.97334	0.102633	0.02657	-0.08628
-0.0313	0.4998	-0.09121	0.04885	-0.01375	0.76697	-0.00765	0.86905	0.004745
0.16982	0.00023	0.053935	0.24472	-0.01868	0.68716	-0.0512	0.2695	-0.0225
-0.03373	0.46716	0.093246	0.044	-0.01145	0.80512	0.034665	0.45487	0.119319
-0.06606	0.15408	-0.24108	1.34E-07	-0.01645	0.72294	-0.02837	0.54078	-0.09141
-0.10266	0.02652	-0.22878	5.82E-07	-0.00334	0.94254	0.031991	0.49042	-0.00827
-0.20304	9.77E-06	-0.1203	0.00926	-0.04241	0.36043	0.05863	0.20598	-0.12916
-0.07107	0.12514	-0.04466	0.33556	-0.0052	0.9107	0.051489	0.2668	-0.00489
-0.181	8.37E-05	-0.12684	0.00606	-0.01916	0.67965	0.048201	0.2986	0.053595
-0.223	1.13E-06	-0.26627	5.08E-09	-0.05851	0.20691	-0.038	0.4126	-0.14329
-0.02126	0.64676	-0.02112	0.64894	-0.00467	0.91976	0.021293	0.64625	-0.04608
-0.15498	0.00078	-0.0366	0.43008	-0.0015	0.97424	0.099225	0.03205	-0.01871
-0.11733	0.01117	-0.0361	0.43644	-0.0244	0.59887	0.067781	0.1436	-0.11761
-0.15798	0.00061	0.047992	0.3007	-0.02228	0.63103	0.08331	0.07208	-0.0649
-0.25137	3.67E-08	-0.20808	5.78E-06	-0.02776	0.54961	0.046254	0.31857	-0.08844
-0.02572	0.57924	0.098464	0.0334	0.01258	0.78628	0.065765	0.15592	0.053393
-0.01658	0.72081	0.063106	0.17337	-0.0066	0.88691	0.041915	0.36612	-0.03946
-0.02764	0.55137	0.086451	0.06194	-0.01215	0.79337	-0.06691	0.14885	0.038456
-0.17541	0.00014	-0.31368	4.02E-12	-0.02082	0.65361	-0.01314	0.77703	-0.11983
-0.10533	0.02282	-0.15252	0.00094	0.01268	0.78462	0.030719	0.50783	0.108406
-0.10062	0.02969	-0.24199	1.19E-07	-0.01698	0.71434	-0.00478	0.918	-0.07366
-0.17468	0.00015	-0.16956	0.00023	-0.03606	0.43696	-0.04603	0.32086	-0.05718
-0.0454	0.32755	-0.17719	0.00012	-0.0213	0.64616	-0.04989	0.28199	-0.08853
-0.04319	0.3517	0.239313	1.66E-07	-0.01774	0.70225	-0.01501	0.74625	0.10021

0.005284	0.90933	0.13993	0.00244	-0.0035	0.93993	0.031132	0.50214	0.059581
-0.06016	0.1944	0.044242	0.34009	0.01938	0.67616	0.057201	0.21727	-0.00021
-0.22979	5.17E-07	-0.29392	9.27E-11	0.011467	0.8048	0.068151	0.14142	-0.05892
-0.19527	2.14E-05	-0.20139	1.16E-05	-0.00762	0.86951	0.021529	0.64262	-0.02792
-0.06952	0.13358	0.104745	0.02359	-0.01565	0.7358	0.060307	0.19328	-0.02719
-0.09322	0.04406	-0.13619	0.00319	-0.03018	0.51524	-0.0087	0.85127	-0.08161
-0.15906	0.00056	-0.03232	0.48592	0.00859	0.85312	0.068281	0.14066	0.026413
-0.21465	2.86E-06	-0.22179	1.29E-06	-0.00315	0.94585	0.026208	0.57211	-0.0438
-0.10362	0.02514	-0.06161	0.18383	0.028013	0.54593	0.140356	0.00237	0.128368
-0.09139	0.0484	-0.10308	0.02591	0.008344	0.85728	-0.01475	0.75052	-0.02186
-0.20409	8.77E-06	-0.28269	4.98E-10	-0.03369	0.46767	-0.03477	0.45351	-0.08028
-0.12979	0.00497	-0.24991	4.42E-08	-0.02743	0.55431	0.003158	0.94573	-0.08506
-0.12539	0.00666	0.00985	0.83188	0.026733	0.56444	0.033561	0.46936	0.062679
-0.00407	0.93003	0.005231	0.91024	-0.02862	0.53726	-0.0047	0.91938	0.072144
0.017871	0.7001	-0.02603	0.57474	-0.01126	0.80829	0.054138	0.24295	-0.0342
-0.10653	0.0213	-0.03289	0.47833	0.005842	0.89981	0.027006	0.56047	0.000279
-0.24045	1.44E-07	-0.13772	0.00286	-0.02515	0.5877	-0.00851	0.85455	-0.06678
0.019437	0.67525	0.039758	0.39133	-0.04574	0.32395	-0.03735	0.42065	-0.02344
-0.24287	1.07E-07	-0.14185	0.00212	-0.03494	0.45126	-0.01894	0.6831	-0.05309
-0.06885	0.13737	0.073064	0.11484	-0.05805	0.2105	-0.10238	0.02695	-0.17938
-0.17884	0.0001	-0.12811	0.00556	-0.08057	0.082	-0.10849	0.01902	-0.1874
-0.22321	1.10E-06	-0.27538	1.43E-09	-0.05548	0.23145	-0.05392	0.24486	-0.06679
-0.25776	1.59E-08	-0.38443	6.77E-18	-0.05459	0.23904	-0.1255	0.00662	-0.04197
-0.07363	0.11205	-0.19453	2.30E-05	-0.09039	0.05093	-0.12211	0.00825	-0.17689
-0.22971	5.22E-07	-0.23872	1.78E-07	-0.05812	0.20998	-0.02543	0.58357	-0.06765
0.10449	0.02393	0.171689	0.00019	-0.03256	0.48271	0.013956	0.76357	-0.01309
-0.22898	5.68E-07	-0.09247	0.04581	-0.0291	0.53048	0.027802	0.54896	-0.1073
-0.22359	1.06E-06	-0.13514	0.00343	-0.03403	0.46318	-0.05202	0.26189	0.025564
-0.16086	0.00048	-0.02973	0.52158	0.023864	0.60697	0.145507	0.00162	0.112687
-0.09825	0.03379	0.152762	0.00093	-0.03207	0.48938	0.001937	0.9667	-0.04461
-0.12832	0.00549	-0.18397	6.35E-05	-0.00306	0.94749	-0.02065	0.6563	-0.00626
-0.07492	0.10589	-0.24433	8.93E-08	-0.01958	0.67304	-0.01326	0.77511	-0.0682
-0.06701	0.14819	-0.01857	0.68903	0.001855	0.96812	0.014457	0.75535	0.073163
-0.08091	0.08069	-0.05318	0.25144	-0.00294	0.94954	0.137069	0.003	0.013935
-0.20468	8.25E-06	-0.23355	3.32E-07	-0.02477	0.59342	-0.0361	0.43638	-0.10062
-0.11455	0.01325	-0.18265	7.19E-05	-0.02914	0.52989	-0.03969	0.39216	-0.10375
-0.0049	0.91585	-0.30818	9.87E-12	-0.03089	0.50553	-0.0699	0.13147	-0.11291
-0.03182	0.49274	-0.11942	0.00979	-0.03527	0.447	0.024929	0.59103	-0.02259
-0.02191	0.63679	-0.03186	0.49225	-0.03158	0.49594	-0.0013	0.97772	-0.10925
-0.04015	0.38667	0.001091	0.98125	-0.0148	0.74967	0.066864	0.14911	-0.01797
-0.09447	0.04129	-0.14735	0.00141	-0.03324	0.47359	-0.01463	0.7525	-0.01129
-0.17813	0.00011	-0.39947	2.55E-19	-0.05923	0.20136	-0.09158	0.04793	-0.16026
0.099881	0.03092	-0.04013	0.38688	-0.018	0.69804	-0.00358	0.93844	0.033814
-0.16329	0.0004	-0.14136	0.0022	-0.04667	0.31425	-0.0358	0.44026	-0.10274
-0.06614	0.15358	0.198876	1.49E-05	0.065845	0.15542	0.138268	0.00275	0.10086

0.065619	0.15685	0.138285	0.00275	-0.02546	0.58319	0.007685	0.86845	-0.02655
-0.08302	0.07307	-0.04917	0.28902	-0.02476	0.5936	0.017259	0.7099	0.018225
0.026666	0.56542	-0.14104	0.00225	-9.96E-05	0.99829	-0.01882	0.68507	-0.06487
-0.15401	0.00084	-0.16367	0.00038	-0.06487	0.16163	-0.04978	0.283	-0.07581
-0.08917	0.05415	-0.19928	1.43E-05	-0.05345	0.24898	-0.05238	0.25863	-0.11678
-0.18497	5.79E-05	-0.10944	0.01799	-0.01757	0.70495	-0.06457	0.16362	-0.01907
-0.12217	0.00822	-0.26068	1.08E-08	-0.00091	0.98441	0.011072	0.81139	-0.04724
-0.15309	0.0009	-0.11513	0.01279	-0.01234	0.79032	0.038358	0.40824	-0.04912
-0.00547	0.90621	-0.20232	1.05E-05	-0.01831	0.69303	-0.00015	0.9975	-0.15736
-0.00883	0.84908	-0.01453	0.75411	-0.05189	0.26305	-0.04419	0.34065	-0.05464
-0.16261	0.00042	-0.31373	3.99E-12	-0.05725	0.21691	-0.11937	0.00983	-0.22448
-0.26747	4.31E-09	-0.20836	5.61E-06	0.014234	0.759	0.09311	0.04432	-0.00504
-0.01087	0.81485	0.128235	0.00552	0.039992	0.38855	0.109017	0.01844	0.045121
-0.12479	0.00693	-0.24412	9.17E-08	-0.05866	0.20573	-0.05827	0.20875	-0.0472
0.198982	1.48E-05	0.201553	1.14E-05	0.001419	0.9756	0.044538	0.33687	0.048808
-0.23476	2.88E-07	-0.14882	0.00126	-0.0598	0.19706	0.000621	0.98932	-0.06783
0.066365	0.15217	0.018752	0.68608	-0.01541	0.73984	-0.00487	0.91635	0.027498
-0.07804	0.09206	0.063439	0.17112	-0.03002	0.51753	-0.00355	0.93904	-0.00913
0.004592	0.92117	-0.22393	1.02E-06	-0.07674	0.09763	-0.09164	0.0478	-0.16519
-0.19167	3.05E-05	-0.22725	6.94E-07	-0.0591	0.20238	-0.02422	0.60159	-0.08617
-0.18138	8.08E-05	-0.28953	1.81E-10	0.043994	0.34281	0.111106	0.0163	-0.13674
-0.11399	0.01371	-0.26405	6.88E-09	-0.05072	0.27403	-0.08365	0.07092	-0.12456
-0.03653	0.43096	-0.20986	4.79E-06	-0.00495	0.91508	-0.09613	0.03784	-0.03101
0.036238	0.43465	-0.24648	6.82E-08	-0.03606	0.4369	-0.05292	0.25375	-0.15407
-0.10627	0.02162	-0.267	4.59E-09	-0.03568	0.44178	0.00107	0.98161	-0.16959
0.077216	0.09558	-0.09512	0.03991	-0.00655	0.88766	0.005639	0.90326	-0.06945
0.093122	0.04429	-0.00263	0.95472	0.025956	0.57582	0.098018	0.03421	0.074779
-0.05995	0.19594	-0.18858	4.11E-05	0.003325	0.94287	0.013349	0.77356	-0.06277
-0.10052	0.02985	-0.33909	4.98E-14	-0.01453	0.75419	-0.0263	0.57081	-0.0933
-0.21517	2.70E-06	-0.31945	1.54E-12	-0.00981	0.83259	-0.01367	0.76827	-0.00746
0.001076	0.98149	-0.13294	0.004	0.030775	0.50706	-0.00523	0.91027	-0.01084
-0.25441	2.47E-08	-0.33182	1.82E-13	-0.02971	0.5219	0.026094	0.57379	-0.18399
-0.24064	1.41E-07	-0.52466	2.17E-34	-0.08831	0.05651	-0.18766	4.49E-05	-0.24236
0.068787	0.13774	-0.11823	0.01056	-0.01199	0.79611	-0.02827	0.5422	-0.14675
0.094431	0.04137	0.072333	0.11853	-0.06314	0.17314	-0.08753	0.05874	-0.18084
0.030371	0.51265	-0.18581	5.35E-05	-0.04221	0.36273	-0.09506	0.04004	-0.05275
-0.01251	0.78741	-0.05152	0.2665	-0.00969	0.83464	0.007751	0.86733	-0.02056
-0.02332	0.61514	-0.2352	2.73E-07	-0.01095	0.81338	-0.02723	0.55728	-0.08599
-0.0452	0.32971	-0.28818	2.21E-10	-0.03976	0.39127	-0.09688	0.03636	-0.1761
-0.02747	0.55369	-0.10171	0.02797	-0.02204	0.63477	-0.02844	0.53983	-0.02123
0.002434	0.95816	-0.09867	0.03303	-0.02931	0.52755	0.002415	0.95848	-0.07046
-0.08567	0.06435	-0.34623	1.34E-14	-0.08001	0.08412	-0.10178	0.02785	-0.19461
-0.03147	0.49753	-0.30872	9.04E-12	-0.07079	0.12659	-0.14464	0.00173	-0.22238
-0.07753	0.09424	-0.29722	5.58E-11	-0.04125	0.37374	-0.08759	0.05857	-0.15586
0.018646	0.68776	-0.25655	1.87E-08	-0.07478	0.10656	-0.10908	0.01838	-0.10491

-0.06404	0.16708	-0.184	6.34E-05	-0.01903	0.68175	-0.07068	0.12722	-0.11543
-0.04755	0.30515	-0.0814	0.07886	-0.03073	0.50763	-0.03312	0.47517	-0.08499
0.077612	0.09389	-0.16059	0.00049	0.00454	0.92205	-0.07093	0.12586	-0.0323
-0.15004	0.00115	-0.12949	0.00507	-0.03546	0.44454	-0.01626	0.72604	-0.14021
-0.13821	0.00276	-0.29967	3.82E-11	-0.02768	0.55073	-0.02482	0.59262	-0.19824
0.011126	0.81049	-0.10908	0.01838	0.026964	0.56108	-0.02188	0.63722	-0.04402
-0.22778	6.53E-07	-0.33003	2.50E-13	-0.00888	0.84822	0.095496	0.03913	-0.11924
-0.05123	0.26926	-0.23785	1.98E-07	-0.0323	0.48623	-0.04246	0.35994	-0.13926
-0.17137	0.0002	-0.48746	3.04E-29	0.03657	0.43045	-0.06364	0.16976	-0.07958
0.127359	0.00585	-0.08232	0.07555	-0.0487	0.29361	-0.04966	0.28421	-0.16686
-0.18533	5.59E-05	-0.28782	2.33E-10	-0.02012	0.6646	0.045623	0.32522	-0.12723
-0.00615	0.89462	-0.10008	0.03059	-0.02627	0.57117	-0.01717	0.71138	-0.13895
-0.10991	0.0175	-0.14792	0.00135	0.013448	0.77193	0.032188	0.48774	-0.056
-0.22181	1.29E-06	-0.2471	6.32E-08	-0.0343	0.45962	-0.03292	0.47787	-0.23193
-0.16035	0.0005	-0.40877	3.09E-20	-0.06845	0.1397	-0.14299	0.00195	-0.30934
-0.03828	0.40917	-0.16475	0.00035	-0.01139	0.80611	-0.00969	0.83461	-0.13747
0.054291	0.24162	-0.17432	0.00015	-0.01676	0.71784	-0.08544	0.06505	-0.14429
0.022003	0.6353	-0.08745	0.05897	0.013473	0.77153	0.037975	0.41294	-0.0481
-0.03392	0.46456	-0.29828	4.74E-11	-0.04476	0.3345	-0.07298	0.11526	-0.22779
-0.08555	0.06473	-0.32613	4.92E-13	-0.00011	0.9981	-0.03249	0.48365	-0.19654
-0.09929	0.03194	-0.33425	1.19E-13	-0.03045	0.51157	-0.03723	0.42216	-0.18431
0.18868	4.07E-05	-0.15369	0.00086	-0.03527	0.44707	-0.1994	1.42E-05	-0.2025
0.024689	0.5946	-0.12305	0.00777	-0.02529	0.5856	-0.12751	0.00579	-0.14212
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0.032359	0.48543	-0.13112	0.00454	-0.03478	0.45341	-0.11366	0.01399	-0.14524
-0.0392	0.39806	-0.25908	1.34E-08	-0.00082	0.98597	-0.0562	0.2254	-0.08467
0.141356	0.0022	-0.10077	0.02945	-0.0444	0.33841	-0.11533	0.01264	-0.14748
-0.10159	0.02816	-0.33564	9.27E-14	-0.03864	0.40479	-0.10781	0.01979	-0.20055
-0.0264	0.56929	-0.23835	1.87E-07	-0.04398	0.34294	-0.11558	0.01244	-0.23888
-0.19853	1.55E-05	-0.37198	8.99E-17	0.013549	0.77027	-0.01156	0.80319	-0.1035
-0.05825	0.2089	-0.24942	4.71E-08	0.023494	0.61257	-0.0307	0.50811	-0.05207
-0.1304	0.00477	-0.38165	1.22E-17	-0.03252	0.48329	-0.08872	0.05538	-0.24143
0.044148	0.34112	-0.09945	0.03166	-0.0572	0.21727	-0.16341	0.00039	-0.19876
0.071213	0.12435	0.01656	0.72115	-0.02345	0.61328	0.047501	0.30568	-0.13925
-0.02749	0.55341	-0.02157	0.64204	-0.03725	0.42193	0.01959	0.67284	-0.06321
0.032226	0.48723	-0.01271	0.78408	-0.00375	0.9356	0.037963	0.41308	-0.08747
-0.07321	0.11413	-0.21614	2.43E-06	0.004675	0.91975	-0.0275	0.55331	0.098989
-0.04991	0.28176	-0.23878	1.77E-07	-0.01311	0.77759	-0.06201	0.18095	-0.12578
0.023406	0.61389	-0.07537	0.10381	-0.02738	0.55508	0.00953	0.83727	-0.10434
-0.01125	0.80837	-0.16676	0.0003	-0.00538	0.90773	-0.0427	0.35718	-0.09027
-0.00354	0.93912	-0.16917	0.00024	-0.02573	0.57909	-0.03794	0.41338	-0.1713
0.087704	0.05824	-0.1474	0.0014	-0.00562	0.90358	-0.00287	0.95073	0.009923
0.190364	3.46E-05	0.376294	3.72E-17	0.056007	0.22704	0.157516	0.00064	0.061974
0.251493	3.61E-08	0.367167	2.37E-16	0.001767	0.96962	0.034691	0.45453	-0.07043
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0.090181	0.05146	-0.09153	0.04806	0.025912	0.57647	-0.00068	0.98837	0.041338
0.170064	0.00022	0.307548	1.09E-11	-0.01292	0.78065	-0.08968	0.05279	0.039701
0.094969	0.04022	0.42831	2.94E-22	0.026571	0.56681	0.141068	0.00225	0.043206
0.210414	4.51E-06	0.119362	0.00983	-0.00549	0.90584	0.045285	0.32882	0.003068
0.098361	0.03358	-0.07516	0.10478	-0.07163	0.12214	-0.12696	0.006	-0.0836
0.046211	0.31901	0.066894	0.14893	-0.08323	0.07236	-0.14666	0.00148	-0.0865
0.15353	0.00087	0.248753	5.12E-08	-0.02984	0.52004	0.010761	0.81659	-0.057
0.164911	0.00035	0.221755	1.30E-06	0.001237	0.97873	-0.01437	0.75672	0.066353
0.120192	0.00933	0.2167	2.28E-06	-0.00052	0.99114	0.035544	0.4435	-0.02292
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0.237509	2.07E-07	0.085936	0.06352	-0.03846	0.40701	-0.04596	0.32164	-0.09777
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0.163891	0.00038	0.295756	7.00E-11	-0.03308	0.4758	-0.04786	0.30208	-0.013
-0.18671	4.91E-05	-0.28124	6.14E-10	0.019385	0.67607	0.031883	0.49188	0.013876
0.032471	0.48393	0.121779	0.00843	-0.02311	0.61832	0.064848	0.16179	-0.00437
-0.09351	0.0434	-0.27546	1.41E-09	0.005997	0.89716	0.011105	0.81084	0.104523
0.206471	6.84E-06	0.206806	6.61E-06	0.00835	0.85717	-0.03226	0.48671	0.05832
0.101209	0.02875	-0.16289	0.00041	-0.03941	0.39553	-0.10462	0.02376	-0.1176
-0.15047	0.00111	-0.34424	1.94E-14	-0.08387	0.07018	-0.14642	0.00151	-0.26599
0.256822	1.80E-08	0.149086	0.00123	-0.06296	0.17437	-0.07339	0.1132	-0.13597
0.146323	0.00152	0.044366	0.33874	0.000204	0.9965	0.062544	0.17724	0.058949
0.16951	0.00023	0.107803	0.0198	-0.00686	0.88241	-0.03653	0.43094	-0.03397
0.231149	4.41E-07	0.252567	3.14E-08	-0.00446	0.92342	-0.0634	0.17139	-0.05033
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-0.02565	0.5803	0.008385	0.85658	-0.02072	0.65518	0.008032	0.86256	-0.13286
-0.03816	0.41072	-0.29016	1.64E-10	0.002495	0.95711	0.017222	0.71049	-0.02811
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-0.01372	0.76745	-0.09001	0.05192	0.013955	0.76358	0.037956	0.41316	-0.02233
0.337608	6.51E-14	-0.03681	0.42739	-0.06971	0.13249	-0.21653	2.33E-06	-0.1604
0.105537	0.02255	0.045034	0.33151	-0.0311	0.50256	-0.05903	0.20292	-0.1201
0.051073	0.2707	-0.17673	0.00012	-0.01436	0.75698	-0.1429	0.00196	-0.06161
0.066855	0.14916	0.070969	0.12565	-0.04258	0.35861	-0.00048	0.99172	-0.07504
0.149962	0.00115	0.134174	0.00367	0.010145	0.82692	0.027546	0.55265	-0.11658
0.096743	0.03662	-0.18285	7.06E-05	-0.06783	0.14333	-0.13864	0.00268	-0.11975
0.370621	1.19E-16	0.188018	4.34E-05	0.040695	0.38025	0.10269	0.02648	0.077854
0.113609	0.01403	0.163	0.00041	0.023268	0.61598	0.03387	0.46528	-9.60E-05
0.281763	5.69E-10	0.036768	0.42796	0.009503	0.83771	-0.05448	0.23994	0.005444
0.175345	0.00014	0.134662	0.00355	-0.02397	0.60541	-0.03469	0.45456	0.02918
0.063582	0.17015	0.072254	0.11893	-0.00663	0.88644	0.026618	0.56611	0.009557
0.078916	0.08848	0.053785	0.24604	-0.04475	0.33455	-0.08987	0.05227	-0.05281
-0.02127	0.64662	0.147871	0.00135	0.029329	0.52723	0.195884	2.02E-05	0.034444
0.155521	0.00075	0.151921	0.00099	0.017835	0.70066	0.061123	0.18731	0.071437
0.077028	0.09639	0.049169	0.28899	0.001029	0.98231	-0.00475	0.91854	0.061844
0.123052	0.00776	0.078745	0.08917	0.014871	0.74857	0.033289	0.47298	0.043775

0.000295	0.99493	-0.07386	0.11093	-0.03945	0.39499	-0.04979	0.28292	-0.06927
0.108757	0.01873	0.097699	0.0348	-0.06738	0.146	-0.04953	0.2855	-0.03159
0.044023	0.34249	0.127735	0.0057	0.015226	0.74278	0.030664	0.50859	0.050234
0.07383	0.11108	0.170781	0.00021	-0.00412	0.92927	0.004369	0.92499	-0.02825
-0.00521	0.91061	-0.08094	0.08059	-0.01836	0.69235	0.104375	0.02409	-0.15253
-0.10777	0.01983	-0.17091	0.00021	-0.04782	0.3024	-0.04943	0.28644	-0.01364
0.056256	0.22497	-0.16032	0.00051	-0.0183	0.69323	-0.0516	0.26581	-0.0494
-0.0231	0.61848	-0.10078	0.02944	0.005502	0.90561	0.071275	0.12402	0.06221
0.122753	0.00792	0.086701	0.06119	-0.05645	0.22334	-0.01358	0.76973	-0.01258
0.222786	1.16E-06	0.117117	0.01131	-0.01823	0.69433	-0.09414	0.04201	0.077768
0.008198	0.85976	-0.03721	0.42245	-0.04328	0.3507	-0.08182	0.07732	0.015505
0.221716	1.31E-06	0.069901	0.13146	-0.01061	0.81906	-0.10892	0.01855	0.03552
0.208012	5.82E-06	0.163375	0.00039	0.017126	0.71203	0.009645	0.83533	0.14226
-0.02642	0.56898	-0.1943	2.36E-05	0.014993	0.74658	0.015957	0.7309	0.042847
-0.06615	0.15353	-0.251	3.85E-08	-0.04612	0.31999	-0.06651	0.15128	-0.04606
-0.01365	0.76853	0.079999	0.08418	0.019385	0.67607	0.080381	0.08271	-0.01947
-0.06498	0.16093	-0.18021	9.00E-05	-0.01086	0.81498	-0.02537	0.5845	-0.02662
0.029723	0.52169	-0.08774	0.05814	0.019523	0.67389	0.030619	0.50921	0.069586
0.009992	0.82949	-0.18853	4.13E-05	-0.07006	0.13058	-0.13722	0.00296	-0.16587
-0.022	0.63535	0.112927	0.01462	-0.00538	0.90776	-0.09867	0.03303	0.0716
-0.00887	0.84845	-0.09581	0.03847	-0.03559	0.44287	-0.0164	0.72374	-0.14133
-0.01726	0.70994	0.04354	0.34781	0.050714	0.27408	0.122469	0.00806	0.147347
0.103595	0.02517	0.244927	8.29E-08	0.002359	0.95945	0.030741	0.50753	-0.06515
0.031496	0.49715	-0.08426	0.06889	-0.03245	0.48415	-0.10241	0.02689	-0.10528
0.103694	0.02503	0.055711	0.2295	-0.00229	0.96063	0.019424	0.67545	-0.1165
0.287149	2.58E-10	0.117731	0.01089	-0.0225	0.62764	0.041082	0.37573	-0.02628
0.184396	6.11E-05	0.059128	0.20215	-0.032	0.4903	-0.01247	0.78816	-0.05968
0.133255	0.00392	0.146469	0.0015	0.018319	0.69295	0.113914	0.01377	0.022102
0.15051	0.0011	-0.01513	0.74442	-0.02008	0.66518	-0.08825	0.0567	-0.02873
0.148122	0.00133	0.057989	0.21099	-0.04606	0.32065	-0.09991	0.03087	-0.24273
-0.04665	0.31441	-0.06957	0.13332	0.030141	0.51585	0.154398	0.00081	0.009678
0.219559	1.66E-06	0.389724	2.18E-18	0.019721	0.67079	-0.01658	0.72079	0.050349
0.20262	1.02E-05	0.025906	0.57656	-0.04932	0.2875	-0.10152	0.02826	0.024653
-0.07899	0.08817	-0.10412	0.02444	-0.02743	0.55427	-0.0436	0.34714	-0.08327
0.164962	0.00034	0.057235	0.217	-0.01369	0.76797	-0.06783	0.14331	-0.02014
0.107827	0.01977	0.117029	0.01138	-0.0096	0.83612	0.046061	0.32059	-0.12616
0.126977	0.006	0.048967	0.29098	0.034666	0.45485	0.076678	0.09792	0.046863
0.023296	0.61556	-0.02895	0.53262	-0.01232	0.79052	0.000463	0.99204	0.01177
-0.02985	0.51998	0.192519	2.81E-05	0.019408	0.6757	0.19568	2.06E-05	-0.02554
0.203946	8.90E-06	0.006271	0.89249	-0.01514	0.74425	-0.06273	0.17594	0.009289
-0.0117	0.80095	0.026204	0.57218	0.019967	0.66692	-0.02042	0.65988	-0.02607
0.096769	0.03657	-0.07586	0.10158	0.016371	0.7242	0.030005	0.51774	0.018555
-0.12437	0.00712	-0.44214	9.02E-24	-0.05987	0.19656	-0.1552	0.00076	-0.12034
0.125967	0.00642	-0.00063	0.98921	-0.03549	0.44421	-0.09935	0.03183	-0.01057
-0.11055	0.01685	-0.1953	2.14E-05	-0.04495	0.3324	-0.01639	0.72388	-0.04129



-0.06122	0.18658	-0.26094	1.05E-08	-0.04314	0.35222	-0.14652	0.0015	-0.01675
0.017536	0.70546	0.028966	0.53235	0.015577	0.73707	0.095209	0.03972	-0.00691
0.064765	0.16232	0.193781	2.48E-05	-0.02023	0.66283	0.054715	0.23795	-0.07531
0.03515	0.44857	0.035698	0.44152	0.087881	0.05773	0.090349	0.05103	0.334609
-0.13125	0.0045	-0.37156	9.80E-17	-0.0436	0.34716	-0.09576	0.03859	-0.05944
0.001427	0.97547	0.016924	0.71528	0.043356	0.34986	0.085808	0.06391	0.107403
0.115817	0.01226	-0.05851	0.20691	-0.0136	0.76944	-0.0255	0.5825	-0.04233
-0.02627	0.57119	0.014401	0.75626	-0.00476	0.91831	-0.01208	0.79455	-0.00865
0.204201	8.67E-06	0.035794	0.4403	-0.01461	0.75288	-0.04297	0.35417	0.040559
-0.02202	0.63505	-0.11844	0.01041	-0.0762	0.10003	-0.10233	0.02701	-0.03334
-0.13724	0.00296	-0.27569	1.37E-09	0.019988	0.66659	0.107954	0.01962	0.013027
0.177772	0.00011	0.212311	3.68E-06	0.03023	0.51461	0.081029	0.08025	0.126621
0.040063	0.3877	-0.16702	0.00029	-0.00058	0.98994	-0.06432	0.16526	0.023636
0.13335	0.00389	-0.12199	0.00831	-0.05184	0.26354	-0.09544	0.03924	-0.00663
0.115031	0.01287	-0.06517	0.15971	-0.0222	0.63223	-0.04405	0.34215	-0.02365
0.059491	0.19939	-0.07491	0.10595	-0.01765	0.70367	-0.11727	0.01121	-0.04563
-0.0789	0.08853	-0.03844	0.40728	0.051292	0.26865	0.104581	0.02381	0.046328
0.120056	0.00941	-0.07049	0.12823	0.043104	0.35267	0.091782	0.04745	0.074652
0.058634	0.20595	0.019738	0.67052	0.047505	0.30564	0.091823	0.04735	0.052326
0.046334	0.31773	0.067778	0.14362	-0.00861	0.85274	-0.02093	0.65186	-0.01898
0.082403	0.07524	-0.1584	0.00059	-0.02057	0.65753	-0.07251	0.11764	0.015537
0.122591	0.008	0.080459	0.08241	-0.05731	0.21637	-0.04649	0.31609	0.019834
0.000978	0.98319	-0.21935	1.70E-06	-0.08859	0.05574	-0.09612	0.03786	-0.19378
0.246039	7.22E-08	-0.01725	0.71002	-0.02385	0.60722	0.014532	0.75412	-0.11015
0.16196	0.00044	0.184647	5.97E-05	0.009699	0.83441	0.029275	0.52799	0.079566
-0.01271	0.78414	0.023193	0.61713	-0.08373	0.07065	-0.14168	0.00215	-0.12337
0.27285	2.04E-09	0.088752	0.05529	-0.06241	0.17817	-0.13882	0.00264	-0.05112
0.06759	0.14473	-0.21869	1.83E-06	-0.03087	0.50577	-0.06122	0.1866	-0.00713
-0.04357	0.34743	-0.1122	0.01527	-0.02845	0.53969	-0.00452	0.9224	-0.04069
-0.04917	0.28899	-0.21078	4.34E-06	-0.06309	0.1735	-0.16342	0.00039	-0.18929
0.093254	0.04398	-0.09724	0.03566	-0.01288	0.78125	0.002621	0.95495	-0.01869
0.093277	0.04393	0.024338	0.59984	-0.0142	0.75963	0.043695	0.3461	-0.05903
0.288365	2.15E-10	0.121073	0.00882	0.008824	0.84917	0.004368	0.92499	0.045677
-0.00038	0.99354	-0.07947	0.08626	-0.01597	0.73067	-0.06802	0.14222	-0.05827
-0.01824	0.69429	-0.17406	0.00016	0.01705	0.71325	-0.00949	0.838	0.009359
0.116985	0.01141	0.225576	8.42E-07	-0.01739	0.70786	-0.04585	0.32286	0.036188
-0.10644	0.02142	-0.2546	2.41E-08	-0.04969	0.28386	-0.02982	0.52037	-0.16145
0.080734	0.08136	0.106507	0.02133	-0.0191	0.68057	0.002985	0.94871	-0.04624
0.01887	0.68421	-0.03624	0.43466	0.053291	0.25041	0.048318	0.29743	0.113238
0.031601	0.49571	-0.2104	4.52E-06	-0.00819	0.85991	-0.00977	0.83321	-0.09825
0.145762	0.00159	-0.07432	0.1087	0.013263	0.77499	0.004738	0.91866	0.013389
-0.17348	0.00016	-0.18987	3.63E-05	0.00858	0.85329	0.014941	0.74743	0.028117
0.184878	5.84E-05	0.157561	0.00063	0.009475	0.83818	-0.03759	0.41775	0.071367
-0.2589	1.37E-08	-0.22887	5.76E-07	-0.00075	0.98716	0.116681	0.01162	-0.08609
0.085189	0.06586	0.074011	0.1102	0.004294	0.92626	0.008084	0.86168	-0.04142

-0.01025	0.82516	-0.12638	0.00624	-0.05239	0.25848	-0.07081	0.12649	-0.19016
0.086521	0.06173	0.050129	0.27967	-0.01626	0.72602	-0.04423	0.34025	0.044007
0.09252	0.04568	0.112618	0.01489	0.016959	0.71472	0.112411	0.01508	-0.00505
0.21162	3.96E-06	0.060716	0.19027	0.020306	0.66162	0.005912	0.89861	-0.07456
0.193463	2.56E-05	-0.01008	0.82807	0.033483	0.4704	0.184152	6.25E-05	-0.03151
0.12977	0.00497	0.234215	3.07E-07	0.031294	0.49992	0.087431	0.05903	0.064274
-0.0672	0.14706	-0.22901	5.66E-07	-0.02046	0.65926	0.016613	0.72029	-0.05668
0.020307	0.6616	-0.10284	0.02627	0.00409	0.92976	0.016088	0.72878	-0.00048
-0.08345	0.07161	-0.24527	7.95E-08	-0.05127	0.26886	-0.07015	0.1301	-0.03059
0.160858	0.00048	0.154216	0.00083	-0.00668	0.88548	0.034433	0.45788	0.029721
0.013536	0.77048	-0.09188	0.04722	-0.06152	0.18446	-0.11064	0.01676	-0.06387
0.187968	4.36E-05	0.123893	0.00735	0.000114	0.99804	0.017121	0.71211	0.030794
0.234524	2.96E-07	-0.04753	0.30542	-0.02172	0.63968	-0.14624	0.00153	-0.00014
0.056094	0.22631	-0.00907	0.84507	-0.04378	0.34513	-0.02173	0.63953	-0.11195
0.06999	0.13097	0.066122	0.15369	-0.0162	0.72688	-0.03917	0.39833	-0.08743
0.128087	0.00557	0.148001	0.00134	-0.00581	0.90043	-0.04941	0.28665	0.077901
0.133432	0.00387	0.136739	0.00307	0.027666	0.55092	0.055701	0.22959	0.172404
-0.15027	0.00113	-0.32567	5.33E-13	-0.07663	0.09812	-0.01837	0.69219	-0.11959
-0.10989	0.01752	-0.2627	8.25E-09	-0.03118	0.50151	0.010786	0.81617	-0.19104
-0.19183	3.00E-05	-0.31346	4.17E-12	-0.05991	0.19626	-0.04996	0.28133	-0.11984
0.008106	0.86131	-0.14595	0.00156	-0.04436	0.33876	-0.04199	0.36524	-0.07896
0.059575	0.19875	-0.13455	0.00358	0.056659	0.22167	0.063231	0.17252	0.034064
0.219549	1.66E-06	0.135595	0.00333	-0.0465	0.31602	-0.10917	0.01828	-0.15531
0.09972	0.0312	-0.00979	0.83281	-0.02418	0.60229	-0.04017	0.38645	-0.17699
0.284634	3.74E-10	0.124671	0.00699	-0.05191	0.26292	-0.12998	0.0049	0.041363
-0.01676	0.7179	-0.21421	3.00E-06	-0.02977	0.52109	-0.02091	0.65215	-0.08652
-0.17804	0.00011	-0.05084	0.27291	-0.03998	0.38873	-0.04633	0.31781	-0.16241
-0.04653	0.3157	-0.2022	1.07E-05	-0.02224	0.63172	-0.043	0.3538	-0.02128
-0.00258	0.95558	-0.19091	3.28E-05	-0.03509	0.44933	-0.08164	0.078	0.069709
0.213613	3.20E-06	0.310604	6.66E-12	0.034069	0.46266	0.031278	0.50013	0.105151
-0.13827	0.00275	-0.18136	8.10E-05	0.064814	0.16201	0.142866	0.00197	0.182218
0.127377	0.00584	0.050716	0.27406	0.028651	0.53683	0.002776	0.95229	0.023855
-0.20482	8.13E-06	-0.28668	2.76E-10	-0.09734	0.03548	-0.09846	0.0334	-0.1395
0.03467	0.4548	-0.15994	0.00052	-0.05308	0.25228	-0.07803	0.09212	-0.10677
-0.16557	0.00033	-0.06119	0.18683	0.005304	0.90899	-0.05654	0.2226	0.07332
-0.21658	2.31E-06	-0.40123	1.72E-19	-0.05146	0.26709	-0.03981	0.39072	-0.16745
-0.10621	0.0217	-0.3373	6.88E-14	0.000475	0.99183	-0.05633	0.22434	-0.11317
-0.17916	9.91E-05	-0.39578	5.80E-19	-0.05925	0.20122	-0.08195	0.07686	-0.11107
0.121676	0.00848	-0.09136	0.04849	-0.01877	0.68584	-0.08228	0.07567	-0.07041
0.20261	1.02E-05	0.187496	4.56E-05	-0.04095	0.37725	-0.1008	0.0294	-0.10334
0.127582	0.00576	-0.08982	0.05242	-0.02079	0.65403	-0.09887	0.03267	0.027851
0.071815	0.12119	-0.17874	0.0001	-0.04857	0.2949	-0.06198	0.18118	-0.04144
0.331459	1.94E-13	0.129652	0.00501	-0.06455	0.1637	-0.16792	0.00027	-0.0594
-0.07214	0.11951	-0.28131	6.08E-10	0.016643	0.71981	-0.04851	0.29554	-0.10852
0.155898	0.00072	0.034055	0.46284	0.005112	0.91227	-0.05372	0.24658	-0.00601

-0.15778	0.00062	-0.14104	0.00225	0.107651	0.01997	0.222037	1.26E-06	0.329342
0.230405	4.81E-07	-0.0289	0.53323	-0.01518	0.74347	-0.02246	0.62833	0.016855
0.306357	1.32E-11	0.136142	0.0032	-0.02506	0.58907	-0.05258	0.25677	-0.01373
0.070376	0.12885	0.002688	0.9538	-0.01773	0.70241	-0.10151	0.02827	0.061348
0.098433	0.03345	-0.03466	0.45499	-0.00748	0.87198	0.009915	0.83079	-0.08078
-0.00641	0.89019	0.102726	0.02643	-0.00026	0.99553	0.059401	0.20007	0.030334
0.087534	0.05873	-0.16226	0.00043	-0.0404	0.38373	-0.06386	0.16827	-0.13084
-0.15474	0.00079	-0.17739	0.00012	0.032316	0.48601	0.02167	0.64044	0.109066
0.090032	0.05185	0.010016	0.82908	0.007296	0.87506	0.044423	0.33812	0.029702
0.02766	0.55101	0.20317	9.64E-06	-0.01347	0.77151	-0.05902	0.20295	-0.02222
-0.01515	0.74395	0.074355	0.10855	0.002681	0.95393	-0.08496	0.0666	0.157327
0.156728	0.00068	-0.01251	0.78751	-0.0307	0.50809	-0.06073	0.19017	-0.22478
0.178302	0.00011	-0.01197	0.7965	-0.04492	0.33276	-0.08824	0.05673	-0.03365
0.030412	0.51208	-0.12824	0.00551	-0.00756	0.8706	-0.0736	0.11219	-0.00345
0.107069	0.02065	0.001074	0.98153	0.015532	0.7378	0.038312	0.40879	-0.02927
0.007015	0.87983	-0.06577	0.15586	-0.03925	0.39741	-0.0081	0.86134	-0.08835
-0.15818	0.0006	-0.34469	1.79E-14	-0.073	0.11516	-0.15099	0.00106	-0.1179
0.228785	5.81E-07	0.243951	9.37E-08	0.036688	0.42896	0.019001	0.68213	0.091764
0.017735	0.70227	-0.06586	0.15534	-0.02251	0.62761	-0.03195	0.49098	0.025514
0.24	1.53E-07	0.319458	1.54E-12	-0.01631	0.72513	0.066763	0.14973	-0.05091
0.221036	1.41E-06	0.111336	0.01608	0.031615	0.49553	0.02415	0.60266	0.05709
0.202357	1.05E-05	0.140027	0.00242	-0.00735	0.87405	-0.00352	0.93948	-0.01185
0.198731	1.52E-05	-0.01162	0.80225	-0.05014	0.27959	-0.11889	0.01013	-0.03793
-0.25464	2.40E-08	-0.32447	6.55E-13	-0.07736	0.09497	-0.1103	0.0171	-0.18348
0.052716	0.25557	-0.01103	0.81214	0.021795	0.63851	0.050442	0.27667	0.054622
0.14464	0.00173	-0.05355	0.24808	-0.05539	0.23224	-0.075	0.10552	-0.05391
0.149464	0.0012	0.057037	0.21859	-0.06045	0.19223	-0.09251	0.04571	-0.11739
0.146418	0.00151	0.160283	0.00051	-0.00191	0.96722	-0.02119	0.64784	-0.01093
0.111244	0.01617	0.176204	0.00013	0.000523	0.99101	-0.00812	0.86112	-0.0931
0.228651	5.91E-07	0.053395	0.24949	0.015205	0.74313	0.050373	0.27733	0.095685
-0.01475	0.75062	-0.0205	0.65866	-0.02966	0.52262	-0.03442	0.458	-0.00738
0.066101	0.15381	-0.22208	1.25E-06	-0.00878	0.84996	-0.05843	0.20751	0.040849
-0.00278	0.95228	-0.0174	0.70762	0.019334	0.67688	0.073532	0.11253	-0.06259
0.128774	0.00532	0.202507	1.03E-05	0.0324	0.48489	0.057871	0.21192	0.073462
0.08762	0.05848	-0.05261	0.25651	-0.03414	0.46178	-0.05868	0.20557	0.023203
0.093116	0.0443	0.144142	0.00179	-0.02716	0.55829	-0.02155	0.64222	0.012075
-0.03834	0.4084	-0.12063	0.00907	-0.05905	0.20275	-0.03679	0.42763	-0.1092
0.101301	0.0286	0.064558	0.16367	0.055428	0.23189	0.055159	0.23416	0.066582
0.053651	0.24722	0.055903	0.2279	-0.03449	0.45711	-0.11093	0.01647	-0.11576
-0.06504	0.16055	-0.26447	6.49E-09	-0.02959	0.52361	-0.08088	0.08081	0.000624
-0.02131	0.64594	-0.2251	8.89E-07	-0.05649	0.22301	-0.09359	0.04322	-0.13367
0.224226	9.83E-07	-0.1298	0.00496	-0.03268	0.48107	-0.11223	0.01524	-0.07461
-0.09509	0.03998	-0.32253	9.12E-13	0.023089	0.61871	0.01623	0.72647	0.013801
-0.0538	0.24594	-0.11115	0.01626	0.024013	0.60474	0.021812	0.63825	0.044797
0.071772	0.12142	0.306007	1.40E-11	0.049375	0.28697	0.043421	0.34914	0.224733

0.149659	0.00118	0.112359	0.01513	-0.00525	0.9099	0.016482	0.72241	0.175502
0.095201	0.03974	0.095939	0.03822	-0.04713	0.3095	-0.11803	0.01069	0.013108
-0.00126	0.97832	-0.03789	0.41398	-0.07213	0.11959	-0.11656	0.01171	-0.02447
0.132284	0.00419	0.137022	0.00301	-0.00172	0.97044	-0.00645	0.88944	0.067507
0.11086	0.01654	0.121235	0.00873	0.00662	0.88655	0.047613	0.30453	0.139363
-0.10037	0.03011	-0.14378	0.00184	-0.02498	0.59021	-0.0115	0.80424	-0.04614
0.106918	0.02084	-0.00011	0.99809	-0.01455	0.75388	-0.03913	0.39888	-0.10301
0.165583	0.00033	-0.04516	0.3302	-0.01328	0.77475	-0.05513	0.23441	-0.02555
-0.0334	0.47148	-0.21463	2.86E-06	-0.05944	0.19975	-0.09223	0.04636	-0.07668
-0.02457	0.59638	-0.16464	0.00035	-0.05391	0.24493	-0.09907	0.03231	-0.05076
0.102055	0.02743	0.246857	6.51E-08	0.095186	0.03977	0.230772	4.61E-07	0.264011
-0.13407	0.0037	-0.34066	3.74E-14	-0.03532	0.44634	-0.08675	0.06103	-0.13235
0.087751	0.05811	0.185369	5.58E-05	-0.01118	0.80962	0.020995	0.65089	0.007951
0.141347	0.0022	0.272569	2.12E-09	0.006082	0.8957	0.05633	0.22436	0.064323
0.176552	0.00013	0.142837	0.00197	-0.03448	0.45731	-0.07753	0.09423	-0.06589
0.148479	0.00129	0.12343	0.00758	0.019832	0.66904	0.036739	0.42832	-0.00281
-0.06554	0.15731	-0.10325	0.02567	-0.04137	0.37243	-0.05646	0.22333	-0.06314
0.104621	0.02376	0.065319	0.15875	-0.03923	0.39768	-0.01292	0.78058	0.115057
-0.13889	0.00263	-0.15916	0.00056	-0.00471	0.91915	0.058408	0.2077	0.071964
-0.06487	0.16164	-0.17989	9.27E-05	-0.03449	0.45716	-0.06314	0.17317	-0.01991
-0.1554	0.00075	-0.33665	7.73E-14	-0.04261	0.3582	-0.05589	0.22801	-0.10304
-0.08841	0.05623	-0.17383	0.00016	-0.02821	0.5431	-0.01633	0.72489	-0.09463
-0.11145	0.01598	-0.11557	0.01245	0.000829	0.98574	0.060457	0.19217	0.031045
0.069453	0.13396	-0.02487	0.59183	-0.01082	0.81563	0.006812	0.88329	-0.02606
-0.04382	0.34476	-0.13799	0.00281	-0.01231	0.79073	-0.04916	0.28912	0.00319
-0.0607	0.19039	-0.23007	5.00E-07	-0.07988	0.08464	-0.09646	0.03719	-0.01698
-0.07753	0.09424	-0.25127	3.71E-08	0.026921	0.56171	0.008438	0.8557	-0.03357
-0.20248	1.03E-05	-0.39123	1.57E-18	-0.0577	0.21325	-0.06047	0.19204	-0.09276
-0.04092	0.37762	-0.01006	0.82827	0.011224	0.80885	0.101902	0.02767	0.009003
0.04471	0.33501	0.311955	5.34E-12	0.002346	0.95968	-0.09096	0.04947	0.083692
0.095422	0.03928	0.24739	6.09E-08	-0.00032	0.99454	0.042015	0.36498	0.076839
0.070594	0.12767	0.1036	0.02517	0.011863	0.79819	0.061641	0.18359	0.049039
0.227929	6.42E-07	0.270263	2.93E-09	0.053789	0.246	0.176858	0.00012	0.194128
-0.01366	0.76838	-0.13688	0.00304	0.017883	0.69991	0.019624	0.67231	0.003588
0.100976	0.02912	0.013689	0.76796	-0.03053	0.51045	-0.01017	0.82648	-0.06685
-0.03404	0.46309	-0.00788	0.86507	-0.03442	0.45801	-0.03242	0.48457	-0.11519
0.441525	1.06E-23	0.065184	0.15962	-0.03192	0.49131	-0.03685	0.42697	-0.01529
0.038934	0.40123	-0.1991	1.46E-05	-0.05826	0.20883	-0.12192	0.00835	-0.17919
0.2595	1.27E-08	0.223472	1.07E-06	-0.04118	0.37458	-0.13146	0.00443	-0.10819
-0.12543	0.00665	-0.1885	4.14E-05	-0.05474	0.23772	-0.08619	0.06275	-0.06581
0.052866	0.25421	-0.08881	0.05514	-0.00548	0.90593	0.009915	0.83079	0.001633
-0.07063	0.12749	-0.23263	3.70E-07	0.003265	0.9439	-0.04206	0.36443	-0.00294
-0.07155	0.12259	-0.35235	4.26E-15	-0.01284	0.78205	-0.05247	0.25779	-0.00629
-0.12504	0.00682	-0.38903	2.53E-18	-0.06046	0.19218	-0.07908	0.08783	-0.1353
0.277221	1.10E-09	0.223601	1.06E-06	0.035022	0.45023	0.004415	0.92418	0.148682

-0.06015	0.19443	-0.25945	1.27E-08	-0.01685	0.71651	-0.05068	0.27437	-0.05535
0.033134	0.47504	-0.04506	0.33123	0.007542	0.87087	-0.0527	0.25572	0.049335
-0.12235	0.00812	0.034342	0.45908	0.130977	0.00458	0.428905	2.54E-22	0.191304
0.03359	0.46898	0.099662	0.03129	0.039499	0.39443	0.201139	1.19E-05	0.0751
0.284756	3.67E-10	0.178092	0.00011	-0.00461	0.92085	-0.0358	0.44018	0.00781
0.099922	0.03085	-0.10711	0.02061	-0.02003	0.66599	-0.04995	0.28139	0.02973
-0.03389	0.46499	0.291829	1.28E-10	0.032418	0.48463	0.149726	0.00117	0.220165
0.197023	1.80E-05	0.276803	1.16E-09	-0.02003	0.66599	-0.11581	0.01227	-0.04658
0.00722	0.87634	0.166514	0.0003	0.001875	0.96776	-0.01972	0.67083	0.031359
0.018226	0.69444	0.038424	0.40742	0.027102	0.55908	0.058952	0.2035	-0.00394
-0.00157	0.97307	-0.03574	0.44097	0.001673	0.97123	-0.00141	0.97571	0.068672
0.126697	0.00611	-0.01911	0.68034	-0.02179	0.63857	-0.10843	0.01909	-0.03596
0.120762	0.00899	0.237242	2.13E-07	0.030663	0.50861	0.134909	0.00349	0.179815
0.0016	0.97249	0.195533	2.09E-05	-0.0261	0.57377	0.034153	0.46155	-0.00567
0.065354	0.15853	0.06233	0.17873	-0.00681	0.88338	-0.01225	0.79177	-0.02435
-0.19598	2.00E-05	-0.17014	0.00022	-0.01025	0.82519	0.03212	0.48866	-0.01351
-0.0317	0.4944	-0.00378	0.93511	-0.01463	0.75249	-0.0254	0.58403	-0.04085
-0.10547	0.02263	-0.08498	0.06653	0.007479	0.87194	0.047997	0.30065	0.037106
0.101254	0.02868	0.097477	0.03522	0.013066	0.77823	0.052429	0.25816	0.027746
-0.09156	0.04798	-0.14207	0.00209	-0.002	0.96563	0.074659	0.10711	0.144063
0.06357	0.17023	0.087454	0.05897	0.042725	0.35692	0.091685	0.04768	0.12841
0.025553	0.58176	-0.18542	5.55E-05	-0.0087	0.85124	-0.04074	0.37977	-0.06003
0.163328	0.00039	0.052805	0.25476	-0.02644	0.56869	-0.02133	0.64569	0.024308
0.02066	0.65609	0.297364	5.46E-11	0.004677	0.91971	0.042223	0.36261	0.037715
0.454759	3.25E-25	0.313873	3.90E-12	-0.02799	0.54632	0.037725	0.41602	-0.14395
0.156242	0.0007	-0.01799	0.69823	0.038761	0.40332	-0.02718	0.55795	0.089505
0.017865	0.70019	0.000801	0.98623	-0.03421	0.46075	-0.04173	0.36822	-0.09877
-0.00623	0.89314	0.111287	0.01613	0.027184	0.55789	0.103514	0.02529	0.050787
0.258827	1.38E-08	0.155595	0.00074	0.006111	0.89522	-0.01638	0.72413	0.022574
0.130729	0.00466	0.176927	0.00012	-0.00792	0.8645	0.054861	0.2367	0.116172
-0.09791	0.0344	-0.16311	0.0004	-0.00569	0.90243	0.05791	0.21161	-0.08352
-0.19106	3.24E-05	-0.26723	4.45E-09	0.001676	0.97119	0.002079	0.96426	0.058648
0.259608	1.25E-08	0.157767	0.00062	0.007628	0.86941	-0.029	0.53184	0.084184
0.197854	1.66E-05	0.257435	1.66E-08	0.03193	0.49124	0.082286	0.07565	0.097985
0.091499	0.04814	-0.02533	0.58513	-0.01169	0.80102	-0.00241	0.95866	0.009146
0.060202	0.19406	0.112692	0.01483	-0.00344	0.94084	0.108302	0.01923	0.099069
-0.19573	2.05E-05	-0.28179	5.68E-10	0.015251	0.74238	0.000241	0.99585	0.070331
0.021883	0.63715	-0.07881	0.0889	0.019647	0.67195	0.000532	0.99086	-0.00426
0.151602	0.00101	-0.02684	0.56282	0.022108	0.63369	0.024592	0.59605	0.062356
0.032277	0.48654	0.023785	0.60817	0.014161	0.76019	0.013737	0.76718	0.083545
0.036454	0.43191	0.187172	4.70E-05	-0.04387	0.34417	0.003913	0.93278	0.003467
-0.22664	7.46E-07	-0.22339	1.08E-06	-0.00894	0.84726	-0.01694	0.71497	0.036668
0.139722	0.00248	0.007388	0.8735	-0.01699	0.71424	-0.03682	0.42731	0.126517
0.196421	1.91E-05	0.082538	0.07476	-0.02035	0.66092	-0.05102	0.27118	0.025792
0.046874	0.31212	-0.16226	0.00043	-0.04068	0.3804	-0.08243	0.07515	-0.06382

-0.08435	0.06858	0.134214	0.00366	-0.01605	0.72945	0.056916	0.21957	0.063736
0.10333	0.02555	0.159321	0.00055	-0.01508	0.74522	0.013095	0.77775	0.08382
0.057218	0.21713	0.023956	0.6056	0.012146	0.79349	0.008644	0.8522	-0.04239
0.125442	0.00664	-0.03586	0.4394	-0.0293	0.52759	-0.01889	0.68383	0.113573
0.22207	1.25E-06	0.183383	6.71E-05	-0.03213	0.48853	-0.07907	0.08786	0.002545
0.091579	0.04794	-0.00658	0.88722	-0.02676	0.56411	-0.05458	0.2391	0.043094
-0.19726	1.76E-05	-0.37928	2.00E-17	-0.03658	0.43037	-0.07279	0.11623	-0.17462
0.045062	0.33121	-0.09082	0.04983	-0.07611	0.10043	-0.13152	0.00441	-0.01856
-0.02179	0.63859	-0.18256	7.25E-05	-0.05123	0.26919	-0.09109	0.04914	-0.03609
-0.10438	0.02409	-0.1661	0.00031	-0.01732	0.70897	0.029946	0.51857	-0.00519
0.076484	0.09877	0.023985	0.60515	-0.03514	0.44875	-0.04879	0.29269	-0.0742
0.081129	0.07988	0.198419	1.56E-05	-0.0085	0.85459	0.059216	0.20148	0.066783
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-0.21525	2.67E-06	-0.39959	2.49E-19	-0.02641	0.56915	-0.03451	0.45694	-0.13939
0.102566	0.02667	0.034542	0.45646	-0.03329	0.473	-0.03917	0.39843	-0.06804
0.02708	0.5594	0.227861	6.47E-07	0.000822	0.98586	-0.05508	0.23487	-0.04079
0.148287	0.00131	0.048788	0.29275	0.002676	0.95402	-0.02524	0.58641	0.050606
0.111174	0.01624	-0.06644	0.15171	-0.04257	0.35868	-0.10809	0.01947	-0.09483
-0.00968	0.83468	-0.09032	0.05111	-0.01843	0.69116	-0.06391	0.16795	-0.09201
0.097876	0.03447	0.157619	0.00063	0.02758	0.55217	0.098643	0.03307	0.038879
0.072949	0.11541	-0.0841	0.06941	-0.05565	0.23005	-0.12	0.00944	-0.04331
0.17831	0.00011	0.159376	0.00055	-0.00907	0.84501	0.037417	0.41984	-0.05037
0.096735	0.03664	0.027305	0.55613	-0.04484	0.33363	-0.08194	0.07691	-0.13792
0.20471	8.22E-06	0.248059	5.59E-08	-0.01569	0.7352	-0.07613	0.10033	-0.07345
0.004903	0.91585	-0.21272	3.52E-06	-0.04008	0.3875	-0.12484	0.00691	-0.03932
0.096328	0.03744	0.032545	0.48293	-0.00349	0.94001	-0.0249	0.59151	0.041302
0.058092	0.21018	0.009363	0.84008	-0.00711	0.87817	-0.04155	0.37033	0.016517
0.213377	3.28E-06	0.256976	1.77E-08	0.03725	0.42192	0.071921	0.12064	0.066689
-0.03477	0.45352	0.151547	0.00102	0.139988	0.00243	0.254663	2.39E-08	0.49833
0.303771	2.00E-11	0.308678	9.11E-12	0.045607	0.32539	0.067944	0.14263	0.152776
0.094891	0.04039	-0.02355	0.61169	0.015974	0.73062	0.037795	0.41516	0.015113
0.111825	0.01562	0.049767	0.28316	0.013389	0.77291	0.047431	0.30639	0.021741
0.068476	0.13953	-0.16474	0.00035	-0.04438	0.33862	-0.12217	0.00822	-0.06653
0.072874	0.11579	-0.17976	9.38E-05	-0.01397	0.76327	-0.09131	0.04861	0.050909
0.170853	0.00021	0.22191	1.28E-06	0.02805	0.5454	0.066202	0.15318	-0.00312
-0.13023	0.00482	-0.26744	4.33E-09	-0.02832	0.54151	-0.03526	0.44709	-0.10243
0.274526	1.61E-09	0.176871	0.00012	-0.07092	0.12589	-0.12557	0.00659	-0.08479
0.106131	0.0218	0.290445	1.57E-10	-0.01036	0.82328	0.050151	0.27946	0.053086
0.194001	2.43E-05	0.15886	0.00057	0.001564	0.97311	0.012526	0.78719	0.106838
-0.1361	0.00321	0.077314	0.09516	-0.0013	0.97766	0.044353	0.33888	-0.00154
0.343414	2.26E-14	0.087131	0.05991	-0.05033	0.2777	-0.10864	0.01886	-0.18913
0.023454	0.61316	0.139621	0.00249	0.068187	0.14121	0.147019	0.00144	0.138376
-0.10165	0.02806	-0.06125	0.18638	-0.02003	0.66595	0.044481	0.33749	0.034152
0.162731	0.00041	-0.03493	0.45142	0.010848	0.81514	0.036355	0.43317	0.04399
0.442932	7.35E-24	0.272012	2.29E-09	-0.00387	0.93349	-0.03211	0.48878	0.077075

0.019402	0.6758	-0.06953	0.13353	-0.01335	0.77361	-0.01898	0.68242	-0.03346
-0.10252	0.02674	-0.0532	0.25124	-0.03728	0.42157	-0.00044	0.99242	-0.07814
0.006192	0.89384	-0.15907	0.00056	-0.07758	0.09402	-0.17524	0.00014	-0.17485
-0.07866	0.08954	-0.20488	8.08E-06	-0.06885	0.13738	-0.07612	0.10038	-0.15216
0.127544	0.00578	-0.00605	0.89631	-0.00428	0.92642	0.002286	0.9607	0.025637
0.007082	0.87868	-0.09709	0.03594	-0.01054	0.82031	-0.02928	0.52788	-0.03428
-0.10913	0.01832	-0.18486	5.85E-05	-0.00177	0.96957	0.022078	0.63415	0.026733
0.116502	0.01175	0.372616	7.90E-17	-0.00461	0.92092	0.016246	0.72622	-0.10047
0.04177	0.36778	0.006697	0.88524	-0.01415	0.76031	0.010616	0.81903	-0.00202
0.096782	0.03655	0.078871	0.08866	-0.00569	0.90232	-0.03112	0.50233	-0.03843
-0.1596	0.00054	-0.29073	1.51E-10	-0.02298	0.62036	-0.04	0.38844	-0.02719
0.128911	0.00527	0.118883	0.01013	-0.01142	0.80559	-0.01372	0.76746	-0.04416
-0.07488	0.10605	-0.1463	0.00152	-0.02438	0.59925	-0.03971	0.39186	-0.02348
0.030776	0.50704	-0.19646	1.90E-05	-0.00876	0.85017	-0.05369	0.24685	0.033024
-0.10648	0.02137	-0.11732	0.01117	0.051586	0.26591	0.1205	0.00915	0.264184
0.197581	1.70E-05	0.109064	0.01839	-0.03412	0.46197	-0.03414	0.46178	-0.11945
-0.1472	0.00142	-0.35875	1.25E-15	-0.06648	0.15144	-0.10646	0.02139	-0.16231
0.083683	0.07081	0.026808	0.56335	-0.05321	0.25114	-0.06917	0.13555	-0.09482
-0.07635	0.09935	-0.16514	0.00034	-0.02874	0.53551	-0.03313	0.47502	-0.0883
0.088537	0.05588	0.015301	0.74156	-0.02712	0.55882	-0.02451	0.5973	-0.07927
0.098953	0.03252	0.163116	0.0004	0.013528	0.77061	0.073343	0.11346	-0.08199
0.002683	0.9539	0.076117	0.10041	0.011953	0.7967	0.068791	0.13771	-0.00594
0.162216	0.00043	0.107531	0.02011	0.032221	0.4873	0.059744	0.19748	0.162956
0.024468	0.59791	-0.08334	0.07198	-0.0132	0.77608	-0.00103	0.98224	0.027529
-0.08359	0.0711	-0.22338	1.08E-06	0.007947	0.864	0.003575	0.93859	-0.11695
0.026846	0.5628	-0.08674	0.06107	-0.03721	0.42237	-0.10048	0.02993	-0.0643
0.017108	0.71232	-0.12141	0.00863	-0.0176	0.70439	-0.03042	0.51203	-0.08878
0.106518	0.02132	-0.04118	0.37464	-0.0229	0.62163	-0.05523	0.23352	-0.0029
-0.0377	0.41627	-0.2911	1.42E-10	-0.04082	0.37883	-0.10269	0.02648	-0.13513
0.214253	2.98E-06	0.184439	6.08E-05	-0.00865	0.85212	-0.06281	0.17544	0.004103
-0.0699	0.13147	-0.03268	0.48105	0.015216	0.74294	-0.07843	0.09047	0.024735
0.163793	0.00038	0.048008	0.30054	-0.05826	0.20884	-0.14311	0.00193	-0.10353
0.057407	0.21561	0.17898	0.0001	-0.02419	0.602	-0.05525	0.23335	-0.0631
-0.08964	0.05289	-0.19879	1.51E-05	-0.03852	0.40631	-0.04322	0.35133	-0.08981
-0.02706	0.55964	0.000809	0.98609	-0.0006	0.98964	0.022483	0.62794	0.068052
-0.03504	0.44998	0.026138	0.57314	-0.0625	0.17752	-0.05329	0.25045	-0.02556
-0.14895	0.00125	-0.3304	2.34E-13	0.001852	0.96816	-0.04329	0.35063	0.003403
-0.08263	0.07444	-0.13756	0.00289	-0.01155	0.80342	-0.04157	0.37009	-0.04797
-0.07415	0.10953	-0.19654	1.89E-05	-0.00845	0.85544	0.001836	0.96844	0.01841
0.081814	0.07735	-0.2659	5.34E-09	-0.03843	0.40733	-0.20578	7.36E-06	-0.02853
0.153774	0.00086	0.292721	1.11E-10	0.017881	0.69993	0.023347	0.61479	-0.05476
0.088797	0.05516	-0.0827	0.07421	-0.05746	0.21521	-0.13918	0.00258	-0.06335
-0.11042	0.01698	0.236913	2.22E-07	-0.00856	0.85366	0.091336	0.04854	0.113965
0.161319	0.00047	0.115905	0.01219	0.003641	0.93745	0.003562	0.93881	0.052318
0.093507	0.04341	-0.0507	0.27425	0.007952	0.86391	-0.0258	0.57814	-0.0268

0.175412	0.00014	0.114033	0.01367	-0.05855	0.20663	-0.1034	0.02545	-0.14231
0.226711	7.39E-07	0.069872	0.13162	-0.09408	0.04213	-0.10075	0.02949	-0.18049
0.000285	0.99511	-0.12421	0.0072	-0.04977	0.28317	-0.02821	0.54316	-0.25519
0.166609	0.0003	0.30143	2.89E-11	-0.04769	0.30371	-0.01247	0.78807	-0.07376
-0.12201	0.0083	-0.02014	0.66428	0.035264	0.4471	0.017992	0.69816	0.004552
0.291317	1.38E-10	0.325805	5.21E-13	0.010144	0.82694	0.00415	0.92873	-0.02721
-0.05053	0.27587	-0.01794	0.69905	0.021977	0.6357	0.063283	0.17217	0.003975
0.016297	0.7254	-0.14195	0.00211	-0.05888	0.20406	-0.09626	0.03758	-0.056
0.182958	6.99E-05	0.042711	0.35708	-0.0185	0.69002	-0.08306	0.07293	0.135522
0.036288	0.43401	-0.08962	0.05294	-0.00715	0.87748	-0.0024	0.95881	-0.00165
-0.03538	0.44563	-0.2501	4.32E-08	-0.05744	0.21538	-0.14874	0.00127	0.009962
0.103049	0.02596	-0.10414	0.02441	0.002019	0.96529	-0.05415	0.24288	-0.02062
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-0.01595	0.73108	-0.12423	0.00719	-0.04256	0.35879	-0.03096	0.5045	-0.02457
-0.16357	0.00039	-0.18751	4.55E-05	0.043171	0.35193	0.145187	0.00166	0.081346
0.138896	0.00263	0.070241	0.12959	-0.03328	0.47313	-0.03523	0.44749	-0.12783
0.008727	0.8508	-0.0971	0.03592	0.073209	0.11412	0.092927	0.04474	0.229964
0.110466	0.01694	0.112261	0.01522	0.032876	0.47848	0.091613	0.04786	0.102495
0.197581	1.70E-05	-0.09114	0.04902	-0.0326	0.48218	-0.16373	0.00038	0.026209
0.137674	0.00287	0.072099	0.11973	-0.03393	0.46443	-0.06414	0.1664	-0.14981
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0.217463	2.10E-06	0.101703	0.02798	-0.02201	0.63524	-0.01813	0.69591	-0.04275
0.281234	6.15E-10	-0.01182	0.79888	-0.01782	0.7009	-0.07386	0.11093	-0.04875
-0.06394	0.16773	-0.23124	4.36E-07	-0.03831	0.40881	-0.07222	0.1191	-0.04127
-0.03968	0.39225	0.090789	0.04991	0.003363	0.94221	-0.00468	0.91959	-0.06405
0.220254	1.54E-06	0.336855	7.45E-14	0.014988	0.74666	0.069278	0.13494	0.090583
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0.187197	4.69E-05	0.346273	1.33E-14	0.035807	0.44013	0.042388	0.36074	0.204398
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0.261152	1.02E-08	0.01707	0.71293	-0.07219	0.11925	-0.12439	0.00712	-0.07012
0.192655	2.77E-05	-0.29722	5.59E-11	-0.05815	0.20976	-0.19196	2.97E-05	-0.0868
0.559404	8.33E-40	0.03417	0.46133	0.004172	0.92835	-0.07242	0.11806	0.040086
-0.21204	3.79E-06	-0.42392	8.59E-22	-0.00947	0.83835	-0.09303	0.0445	-0.05446
0.040861	0.3783	-0.06985	0.13177	0.023499	0.61249	0.148149	0.00132	0.049742
0.09964	0.03133	-0.15594	0.00072	-0.04706	0.3102	-0.10445	0.02398	-0.0217
0.195987	2.00E-05	-0.03387	0.46522	0.016238	0.72635	-0.00934	0.84055	0.029043
0.00402	0.93095	-0.10174	0.02792	-0.02661	0.5663	-0.05534	0.23267	-0.08092
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0.031272	0.50022	0.104467	0.02397	0.023154	0.61772	0.058982	0.20327	0.141593
0.056308	0.22454	-0.01086	0.81492	-0.00263	0.95475	-0.03255	0.48286	0.003903
0.223138	1.11E-06	0.144408	0.00176	-0.02858	0.53785	0.00718	0.87703	-0.05381
0.197773	1.67E-05	0.029949	0.51853	-0.02205	0.63452	-0.06971	0.1325	-0.09503
0.058982	0.20326	-0.03999	0.38853	-0.03766	0.4168	-0.08465	0.0676	-0.01079



0.070798	0.12657	0.097334	0.03549	0.020725	0.65507	0.079774	0.08506	0.078469
0.121091	0.00881	0.013833	0.76558	-0.00184	0.96837	-0.05931	0.20075	-0.00035
0.08013	0.08367	-0.01687	0.71609	0.017979	0.69837	0.028993	0.53198	-0.00232
0.090999	0.04938	0.046079	0.3204	0.022421	0.62889	0.016429	0.72327	-0.0036
0.009769	0.83324	-0.22039	1.52E-06	-0.02767	0.55079	-0.0011	0.98104	-0.06211
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0.106816	0.02096	-0.01387	0.76492	-0.00829	0.85828	-0.03444	0.45778	0.064469
0.109015	0.01845	0.072856	0.11588	0.016316	0.72509	-0.0184	0.69173	0.067491
0.034878	0.45209	-0.00245	0.95786	-0.0156	0.7367	0.054636	0.23863	0.053961
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0.236377	2.37E-07	0.290811	1.49E-10	-0.02952	0.52448	-0.07615	0.10024	-0.15374
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0.070737	0.1269	0.138022	0.0028	0.00228	0.96081	0.07208	0.11983	0.12228
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0.238159	1.91E-07	0.061811	0.18239	0.027908	0.54745	0.002237	0.96154	0.10206
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0.16734	0.00028	0.060796	0.18968	-0.00346	0.94055	-0.02004	0.66572	-0.02541
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0.013213	0.7758	-0.19412	2.40E-05	-0.02776	0.54954	-0.0568	0.22054	-0.02147
0.013586	0.76967	-0.16193	0.00044	-0.01608	0.72883	-0.00403	0.93082	-0.01022
0.045616	0.32529	0.246574	6.75E-08	0.021565	0.64206	-0.0051	0.91241	0.012766
0.175245	0.00014	0.173793	0.00016	-0.02889	0.53344	-0.10946	0.01797	-0.08696
0.177874	0.00011	0.119603	0.00968	-0.01705	0.71325	-0.05553	0.23103	0.006556
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0.061074	0.18767	-0.00285	0.95103	4.41E-05	0.99924	-0.05194	0.26268	0.060591
0.034676	0.45472	0.21754	2.08E-06	-0.00069	0.98806	0.063699	0.16936	0.074345
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0.125893	0.00645	0.077112	0.09603	-0.04988	0.28207	-0.10873	0.01876	-0.26059
0.215436	2.62E-06	0.13189	0.0043	-0.00182	0.96878	-0.06374	0.1691	-0.04938
0.193535	2.54E-05	0.137474	0.00291	-0.00584	0.89976	0.004514	0.9225	-0.0945
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0.061284	0.18615	0.008407	0.85622	0.087296	0.05943	0.141904	0.00211	0.222605
0.26824	3.87E-09	0.426087	5.07E-22	0.06806	0.14196	0.072786	0.11623	0.258863
0.091982	0.04696	-0.19322	2.62E-05	-0.01414	0.76059	-0.09932	0.03189	-0.09648
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0.177157	0.00012	0.15249	0.00095	0.047493	0.30575	0.082896	0.07351	0.166063
0.047905	0.30158	0.270018	3.03E-09	0.05824	0.20902	0.030923	0.50501	0.060727
0.171199	0.0002	0.082302	0.0756	0.011116	0.81065	0.066592	0.15077	-0.06543
0.050629	0.27489	-0.08198	0.07675	-0.04936	0.2871	-0.05741	0.21557	-0.00475
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0.030748	0.50743	-0.22287	1.15E-06	-0.02033	0.66128	-0.03361	0.46873	0.026713
0.196242	1.95E-05	0.0219	0.63689	-0.04016	0.38653	-0.08806	0.05723	-0.08184
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0.04482	0.33381	0.017947	0.69889	-0.00317	0.94552	-0.03492	0.45153	-0.01381
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0.111751	0.01569	0.073166	0.11433	0.001232	0.97882	-0.02407	0.60384	-0.01642
0.058835	0.20439	0.138008	0.0028	-0.0129	0.78102	-0.04563	0.32519	0.090949
-0.25037	4.17E-08	-0.42592	5.28E-22	-0.03958	0.39349	-0.051	0.2714	-0.08777
0.116892	0.01147	0.162298	0.00043	0.002664	0.95421	0.020057	0.66551	0.012747
0.043186	0.35175	-0.16869	0.00025	-0.03222	0.48727	-0.00734	0.87438	-0.07155
0.104462	0.02397	-0.12017	0.00934	-0.00847	0.85507	0.005673	0.90269	-0.01601
0.149237	0.00122	-0.05361	0.24755	-0.03128	0.50012	-0.03893	0.40127	-0.06625
0.039646	0.39266	-0.19368	2.51E-05	-0.05793	0.21143	-0.11308	0.01449	-0.02482
0.146052	0.00155	-0.01864	0.68788	-0.02621	0.57215	-0.00574	0.90161	-0.03548
-0.07977	0.08506	-0.18537	5.57E-05	-0.05306	0.25251	-0.08893	0.05481	-0.07686
0.021252	0.64689	0.029906	0.51913	0.086255	0.06254	0.103649	0.0251	0.230804
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0.019367	0.67635	-0.1613	0.00047	-0.03824	0.40972	-0.006	0.89703	-0.20677
0.10882	0.01866	0.179065	9.99E-05	-0.01387	0.76497	-0.07314	0.11446	0.005691
0.096182	0.03773	-0.02455	0.5967	0.036725	0.42849	0.039683	0.39222	0.097747
0.094517	0.04119	0.004291	0.92631	-0.00929	0.84137	-0.08708	0.06007	0.062825
0.059295	0.20087	0.319728	1.47E-12	0.033094	0.47557	0.129092	0.00521	0.220345
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0.150108	0.00114	-0.15755	0.00063	-0.07942	0.08646	-0.19283	2.72E-05	-0.0998
0.125789	0.00649	-0.0305	0.5108	-0.01453	0.75413	-0.0603	0.19332	0.017968
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-0.03913	0.3988	-0.10632	0.02157	-0.04072	0.37995	-0.01658	0.72076	-0.1027
-0.10768	0.01994	-0.31185	5.43E-12	-0.01894	0.68315	-0.06551	0.15756	-0.06731
-0.2048	8.15E-06	-0.36235	6.17E-16	0.015012	0.74627	0.007318	0.87468	0.002999
0.072589	0.11723	0.015337	0.74097	0.045831	0.32302	0.092091	0.0467	0.179176
0.032568	0.48262	-0.05116	0.26986	-0.03978	0.39105	-0.00878	0.84995	-0.05355
-0.13038	0.00477	-0.02755	0.55256	0.03308	0.47575	0.003428	0.94111	0.028217
-0.00044	0.9924	-0.04357	0.34744	-0.03446	0.4575	-0.05928	0.20102	-0.08519
-0.00764	0.86921	-0.00321	0.94485	0.140299	0.00238	0.281692	5.75E-10	0.226544
0.053216	0.25108	0.001702	0.97074	-0.04268	0.3574	-0.07424	0.10911	-0.02033
0.233214	3.46E-07	0.374033	5.92E-17	0.034531	0.45661	0.035831	0.43983	0.010595

0.048349	0.29712	-0.06633	0.1524	-0.06529	0.15896	-0.12517	0.00676	-0.05607
0.184173	6.24E-05	-0.08223	0.07585	-0.03903	0.40008	-0.16269	0.00042	-0.2638
0.023507	0.61236	-0.08519	0.06587	0.027687	0.55063	0.074037	0.11008	0.101563
0.160752	0.00049	0.14541	0.00163	0.044597	0.33623	0.158052	0.00061	0.165525
0.070334	0.12908	-0.15801	0.00061	-0.0437	0.346	-0.13776	0.00285	-0.01033
-0.02249	0.62785	-0.08252	0.07481	-0.0341	0.46221	-0.12233	0.00813	0.005291
-0.25676	1.82E-08	-0.34422	1.95E-14	0.103249	0.02567	0.119667	0.00964	0.23423
-0.02399	0.605	-0.13287	0.00402	-0.01507	0.7454	0.029869	0.51965	-0.05274
-0.17084	0.00021	-0.28663	2.78E-10	0.0375	0.41881	0.094739	0.04071	0.110024
0.141615	0.00216	-0.09465	0.04089	-0.00362	0.93778	-0.03197	0.49063	-0.07813
-0.03428	0.45984	0.079859	0.08473	-0.01182	0.79897	0.042794	0.35614	0.091506
0.20632	6.95E-06	0.014203	0.7595	-0.01294	0.78036	-0.10285	0.02624	-0.05781
0.096309	0.03748	0.026219	0.57196	-0.01236	0.78994	-0.00877	0.85009	-0.08045
-0.00297	0.94894	0.057265	0.21675	-0.03062	0.5092	0.035671	0.44188	0.022587
-0.02028	0.66195	-0.03596	0.43815	-0.02194	0.63626	0.002071	0.9644	-0.08825
0.046995	0.31087	0.130475	0.00474	-0.01227	0.79135	-0.07404	0.11008	-0.03873
0.236054	2.46E-07	0.04139	0.37216	0.003312	0.9431	-0.03687	0.42672	-0.0152
-0.14572	0.00159	-0.32403	7.07E-13	-0.04502	0.33166	-0.04087	0.37816	-0.1012
0.163153	0.0004	0.21021	4.61E-06	0.005943	0.89808	0.003269	0.94383	0.106719
-0.03752	0.41853	-0.13822	0.00276	-0.01868	0.68726	-0.07186	0.12095	-0.05541
-0.02106	0.6499	-0.04356	0.34758	-0.05899	0.20317	-0.07973	0.08523	-0.22099
-0.03821	0.41008	-0.15264	0.00094	-0.03779	0.41527	-0.10415	0.0244	-0.12987
0.333913	1.26E-13	0.095604	0.0389	0.015062	0.74545	-0.00383	0.93424	0.077383
-0.21487	2.79E-06	-0.4474	2.29E-24	-0.06475	0.1624	-0.13081	0.00463	-0.07643
0.115143	0.01278	-0.00561	0.90381	0.003049	0.9476	-0.0102	0.82592	0.079882
0.154883	0.00078	0.015345	0.74084	-0.00185	0.96813	0.025144	0.58782	-0.06334
0.061052	0.18783	0.144958	0.00168	0.032956	0.47741	0.105565	0.02252	0.048409
-0.09541	0.03931	-0.28806	2.25E-10	0.011808	0.7991	0.022818	0.62283	-0.04006
-0.01361	0.76924	-0.07176	0.12147	0.015759	0.73411	0.004357	0.92519	0.061966
0.311358	5.89E-12	0.159854	0.00053	-0.03899	0.40054	-0.09586	0.03839	-0.06997
0.189568	3.74E-05	-0.0005	0.99134	0.026219	0.57195	-0.0057	0.90224	0.057785
-0.00113	0.98062	-0.00862	0.85265	-0.04864	0.29418	-0.15061	0.0011	-0.06284
-0.00092	0.98422	-0.10058	0.02977	0.023051	0.61929	0.028156	0.54388	0.078219
-0.08043	0.08251	-0.2528	3.05E-08	-0.03952	0.39417	-0.08845	0.05613	-0.05003
0.124134	0.00724	-0.08179	0.07746	-0.01613	0.7281	-0.03237	0.48532	-0.10763
0.099141	0.03219	0.15186	0.00099	-0.05505	0.23508	-0.07558	0.10286	-0.04503
-0.1117	0.01574	-0.13813	0.00278	0.053087	0.25223	0.108776	0.01871	0.095274
0.381497	1.26E-17	0.341635	3.13E-14	0.038996	0.40048	0.008556	0.85369	0.160671
0.021315	0.64592	-0.119	0.01006	-0.0254	0.58401	-0.03665	0.42941	-0.07374
-0.09583	0.03844	-0.28986	1.72E-10	0.012679	0.78464	0.018893	0.68385	0.042254
-0.12384	0.00738	-0.19943	1.41E-05	-0.05302	0.25281	-0.03663	0.42965	-0.19294
-0.05645	0.22338	-0.2689	3.54E-09	-0.07592	0.10131	-0.19037	3.46E-05	-0.17497
0.256558	1.87E-08	0.500758	5.19E-31	0.041116	0.37534	0.09947	0.03162	0.071837
-0.027	0.56052	-0.06653	0.15116	-0.00936	0.84005	0.012685	0.78454	-0.00345
0.195301	2.14E-05	-0.12569	0.00653	-0.02971	0.52182	-0.08194	0.07691	-0.05577

-0.11279	0.01474	-0.13817	0.00277	-0.00026	0.99558	0.122086	0.00826	-0.02673
0.197096	1.79E-05	0.085176	0.0659	-0.02546	0.58311	-0.06098	0.18832	-0.14982
0.104975	0.02329	-0.06649	0.15141	-0.03923	0.39764	-0.09159	0.04791	-0.05986
0.0163	0.72534	-0.08542	0.06512	-0.04641	0.31695	-0.02759	0.55202	-0.19413
0.07091	0.12597	-0.19111	3.22E-05	-0.03992	0.38945	-0.08996	0.05203	-0.00195
0.155939	0.00072	-0.00789	0.86495	0.030788	0.50688	0.10436	0.02411	0.007079
-0.0686	0.1388	-0.18047	8.79E-05	0.003111	0.94654	0.006779	0.88383	0.087201
0.09577	0.03856	0.151	0.00106	0.003652	0.93727	0.007045	0.87931	0.056505
0.030028	0.51742	-0.16829	0.00026	-0.01222	0.79234	-0.06013	0.19458	0.003932
0.143898	0.00182	0.275651	1.37E-09	0.09062	0.05034	0.246401	6.89E-08	0.246527
-0.16695	0.00029	-0.34841	8.95E-15	0.007245	0.87592	0.022923	0.62123	-0.07027
0.114201	0.01354	0.126448	0.00621	-0.02974	0.52146	0.011368	0.80644	-0.03929
0.139103	0.00259	-0.02567	0.57997	-0.02822	0.54291	-0.01775	0.70202	0.022129
-0.05419	0.24252	0.102467	0.02681	0.032507	0.48343	0.032425	0.48454	0.049724
-0.08938	0.05359	-0.16692	0.00029	-0.03548	0.44434	-0.00103	0.98229	-0.10035
0.115758	0.01231	-0.15616	0.00071	-0.05788	0.21183	-0.1324	0.00416	-0.078
0.074625	0.10727	-0.07065	0.12738	-0.0093	0.84115	-0.09408	0.04214	0.009779
0.119139	0.00997	0.017195	0.71092	0.058297	0.20858	0.082212	0.07592	0.226036
-0.12298	0.0078	0.017366	0.70817	0.023419	0.61369	0.110564	0.01684	0.115974
-0.0391	0.39921	-0.06023	0.19384	-0.04664	0.31457	-0.02214	0.63319	-0.20575
0.143158	0.00193	0.198523	1.55E-05	-0.01284	0.78193	-0.01051	0.82085	-0.05451
0.078977	0.08823	0.136227	0.00318	-0.03186	0.49223	-0.10739	0.02028	-0.0404
-0.04098	0.37691	-0.2653	5.80E-09	-0.02725	0.5569	-0.06014	0.19449	-0.03547
-0.12346	0.00756	-0.34117	3.42E-14	-0.03898	0.40065	-0.05038	0.27727	-0.11
0.019713	0.6709	-0.16553	0.00033	-0.01371	0.76754	0.061232	0.18653	-0.04408
0.175777	0.00013	0.206421	6.88E-06	-0.00213	0.96344	-0.03002	0.51757	0.02129
0.175743	0.00013	0.274663	1.58E-09	0.030025	0.51747	0.004088	0.92979	0.072505
0.097045	0.03604	0.206856	6.57E-06	-0.00931	0.84104	-0.00664	0.88616	0.004811
-0.01365	0.76865	-0.1666	0.0003	-0.01004	0.82874	-0.06557	0.15716	-0.05866
-0.08389	0.07011	-0.16699	0.00029	-0.0348	0.45317	-0.02718	0.5579	-0.06333
0.095289	0.03955	-0.02649	0.56798	-0.02292	0.62126	-0.05408	0.24343	0.016737
0.244877	8.35E-08	0.133436	0.00387	-0.06203	0.18085	-0.04661	0.31485	-0.14422
0.026646	0.56571	-0.04468	0.33534	-0.0033	0.94324	0.00527	0.90957	0.035425
-0.01114	0.81018	-0.11462	0.0132	0.125727	0.00652	0.253236	2.88E-08	0.335681
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0.022891	0.62172	-0.09735	0.03545	-0.04866	0.29398	-0.03625	0.43448	-0.08673
0.003229	0.94451	-0.12852	0.00541	-0.05785	0.21212	-0.1137	0.01395	-0.06352
0.034726	0.45407	-0.05493	0.2361	-0.00109	0.98127	0.009589	0.83626	-0.01395
0.044364	0.33876	-0.06919	0.13545	-0.0454	0.32764	-0.088	0.05739	-0.09629
0.078821	0.08886	0.055021	0.23534	0.006005	0.89703	0.09325	0.044	-0.02928
-0.00248	0.95734	0.207125	6.39E-06	0.094277	0.04171	0.162523	0.00042	0.289407
-0.183	6.96E-05	-0.2285	6.01E-07	-0.00548	0.90591	0.060871	0.18914	0.048692
0.006588	0.88709	0.019392	0.67597	-0.00252	0.9567	-0.03071	0.50798	0.025091
0.222047	1.26E-06	0.258486	1.45E-08	-0.01532	0.7413	-0.04385	0.34442	-0.02849
0.138291	0.00275	-0.08863	0.05563	0.00976	0.83338	0.077577	0.09404	-0.03856

-0.14393	0.00182	0.097228	0.03569	0.035643	0.44223	0.053183	0.25137	0.063147
-0.06865	0.13852	-0.12751	0.00579	0.009491	0.83791	0.07652	0.09862	-0.02605
0.317102	2.28E-12	0.61497	6.36E-50	0.064444	0.16442	-0.00319	0.94512	0.163576
0.077985	0.09231	-0.01974	0.67043	-0.02099	0.65097	-0.00987	0.83153	0.047413
0.414221	8.70E-21	0.045362	0.32799	-0.01108	0.81129	-0.06879	0.13774	0.019164
0.107931	0.01965	-0.05302	0.25287	-0.02103	0.65039	-0.0046	0.92106	-0.11176
0.019226	0.67858	-0.11953	0.00972	-0.02552	0.58219	-0.04215	0.36344	-0.05018
0.213534	3.23E-06	-0.01837	0.69217	-0.02855	0.53821	-0.05011	0.2798	0.030557
0.021839	0.63783	0.095804	0.03849	0.009294	0.84124	0.105876	0.02212	0.122877
0.003166	0.94559	-0.12841	0.00545	0.017188	0.71103	0.017613	0.70423	-0.01993
-0.06007	0.19502	-0.25994	1.19E-08	0.02155	0.64228	0.015148	0.74406	-0.05748
0.192696	2.76E-05	0.213283	3.31E-06	-0.05585	0.22837	-0.09938	0.03179	-0.14296
0.100882	0.02927	-0.05048	0.27632	-0.02988	0.51951	-0.10794	0.01964	-0.11025
0.041415	0.37188	0.023418	0.61371	-0.03926	0.39726	-0.04689	0.31194	0.049103
0.145476	0.00162	0.046413	0.3169	0.026724	0.56457	0.008296	0.8581	0.039153
0.027549	0.55261	-0.04398	0.34302	-0.01971	0.67103	-0.05684	0.2202	0.038277
0.032326	0.48587	-0.19982	1.36E-05	-0.05422	0.24225	-0.15302	0.00091	-0.09198
-0.12572	0.00652	-0.19275	2.75E-05	-0.06258	0.17698	-0.08204	0.07655	-0.20089
-0.09378	0.0428	-0.30592	1.42E-11	-0.01593	0.73139	-0.02986	0.51979	-0.13461
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-0.01956	0.67332	0.216969	2.22E-06	-0.00732	0.87458	0.048913	0.29151	-0.02219
0.121153	0.00877	0.059785	0.19717	-0.00954	0.83702	0.008544	0.85389	-0.04871
-0.05666	0.22164	-0.0276	0.55187	-0.0066	0.8869	0.021673	0.64039	-0.05
0.086893	0.06061	0.120227	0.00931	0.007885	0.86506	0.010305	0.82423	0.000466
0.001486	0.97445	0.089954	0.05206	-0.02104	0.65013	-0.02196	0.63599	-0.1805
0.18507	5.73E-05	0.366505	2.71E-16	-0.0067	0.88515	-0.00153	0.97366	-0.11792
0.08835	0.05641	0.360529	8.82E-16	0.099381	0.03178	0.214316	2.96E-06	0.287104
0.173087	0.00017	0.150985	0.00106	-0.02959	0.52354	0.011523	0.80386	-0.13801
0.078554	0.08996	-0.13758	0.00289	-0.0286	0.53756	-0.15261	0.00094	-0.15653
0.270154	2.97E-09	-0.06594	0.15482	0.008208	0.85958	-0.10375	0.02495	-0.01487
0.028316	0.5416	0.114218	0.01352	0.031275	0.50017	0.09771	0.03478	0.094656
0.174801	0.00015	0.341344	3.31E-14	-0.00899	0.84645	-0.07693	0.09681	0.036918
0.221809	1.29E-06	0.137433	0.00292	-0.03243	0.48448	-0.07032	0.12917	-0.01074
0.037427	0.41972	0.141057	0.00225	-0.07448	0.10794	-0.13576	0.00329	-0.14373
0.066525	0.15119	-0.07777	0.09323	-0.03586	0.43947	-0.04534	0.32828	-0.09154
0.077727	0.0934	-0.17245	0.00018	-0.04616	0.31959	-0.13726	0.00295	-0.02677
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0.131836	0.00432	0.045149	0.33028	0.002062	0.96456	-0.04092	0.37768	0.120323
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0.113832	0.01384	-0.14706	0.00144	-0.0784	0.09057	-0.12127	0.00871	-0.06781
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0.249721	4.53E-08	0.328438	3.30E-13	0.001971	0.96612	0.04645	0.31651	0.075973
0.159789	0.00053	0.12591	0.00644	-0.02345	0.61324	-0.00241	0.95853	-0.01513
0.126039	0.00639	0.011375	0.80632	0.000928	0.98404	0.05101	0.27129	-0.0105

0.051441	0.26725	-0.13035	0.00478	0.005883	0.89911	-0.09693	0.03626	0.012447
0.198925	1.49E-05	0.2719	2.33E-09	0.059916	0.19619	0.099725	0.03119	0.127116
-0.05967	0.19802	-0.17243	0.00018	-0.00591	0.89862	0.010022	0.82898	-0.02799
0.073184	0.11425	-0.0506	0.2752	-0.05052	0.27591	-0.04689	0.31193	-0.23931
-0.09873	0.03293	-0.14472	0.00172	0.007512	0.87139	0.01151	0.80408	-0.02907
0.335284	9.87E-14	0.228609	5.94E-07	0.047904	0.30159	-0.03176	0.49355	0.033314
-0.13936	0.00254	-0.08433	0.06863	0.014741	0.75069	0.02126	0.64676	0.018509
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0.172359	0.00018	0.22142	1.35E-06	-0.00577	0.90095	-0.04721	0.30866	-0.01011
0.060933	0.18869	-0.00451	0.92264	-0.00579	0.9007	-0.00594	0.89817	0.028786
0.216278	2.39E-06	0.326779	4.40E-13	-0.01119	0.80948	0.070675	0.12723	-0.10257
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0.072758	0.11637	0.171611	0.00019	0.036513	0.43116	0.06423	0.16583	-0.00433
0.155979	0.00072	0.225855	8.16E-07	0.000339	0.99418	-0.0264	0.56935	0.092641
0.100595	0.02974	0.052871	0.25417	-0.03252	0.48325	-0.12508	0.0068	0.083321
-0.14999	0.00115	-0.07779	0.09314	-0.03122	0.50099	0.025636	0.58054	-0.11728
-0.01522	0.74281	0.133632	0.00381	-0.00811	0.86129	0.00659	0.88705	0.026179
0.037567	0.41797	-0.20957	4.93E-06	-0.03705	0.4244	-0.08385	0.07023	-0.08552
0.087769	0.05806	-0.00224	0.96158	-0.05296	0.25341	-0.14118	0.00223	-0.06445
-0.02855	0.53828	0.003316	0.94302	-0.00697	0.88058	0.015917	0.73154	-0.03522
-0.05829	0.20863	-0.08646	0.06193	-0.04577	0.32368	-0.02023	0.66277	0.000411
0.002409	0.95859	-0.36194	6.69E-16	-0.04566	0.32487	-0.11113	0.01628	-0.03634
0.020783	0.65417	-0.0691	0.13592	-0.01924	0.67831	0.005764	0.90113	0.014656
0.051031	0.2711	0.14496	0.00168	0.092447	0.04586	0.202333	1.05E-05	0.218093
0.06607	0.15401	-0.13769	0.00287	-0.02112	0.64892	-0.131	0.00457	0.067328
-0.0513	0.26854	0.057369	0.21592	-0.0361	0.43643	0.09814	0.03398	0.009475
0.062858	0.17508	0.115515	0.01249	0.049035	0.2903	0.104333	0.02415	0.188044
-0.17513	0.00014	-0.25059	4.05E-08	-0.02153	0.64265	-0.02384	0.60727	-0.07679
0.2243	9.75E-07	0.104286	0.02421	-0.0527	0.25574	-0.07232	0.1186	-0.05
-0.05515	0.2342	-0.19875	1.51E-05	-0.05484	0.2369	-0.08859	0.05574	-0.06792
0.118398	0.01044	-0.11871	0.01024	-0.04423	0.34026	-0.13481	0.00351	-0.08241
-0.07593	0.10123	-0.16009	0.00052	0.024965	0.59049	0.061063	0.18775	0.001877
0.167609	0.00027	0.041109	0.37542	0.005472	0.90612	0.047137	0.3094	0.006586
0.190695	3.35E-05	-0.03311	0.47529	0.021848	0.63769	0.056878	0.21989	0.077028
0.191483	3.11E-05	0.409836	2.42E-20	0.08205	0.0765	0.152057	0.00098	0.221189
0.061323	0.18587	-0.04371	0.34588	0.024016	0.60469	-0.02395	0.60575	0.07378
0.084497	0.0681	-0.02733	0.55578	-0.04396	0.34322	-0.07315	0.11443	-0.06089
-0.11346	0.01416	-0.22093	1.43E-06	-0.02354	0.61192	0.04253	0.35912	-0.0118
-0.06572	0.15621	-0.17584	0.00013	-0.055	0.23549	-0.13699	0.00301	-0.15318
-0.00139	0.97606	-0.03962	0.39299	-0.04107	0.37586	-0.10216	0.02727	0.108002
0.174346	0.00015	0.197505	1.71E-05	-0.05462	0.23877	-0.08226	0.07573	-0.11418
0.109809	0.0176	0.035751	0.44085	0.000795	0.98633	-0.01671	0.71873	-0.02224
0.090605	0.05037	-0.02427	0.60091	0.006641	0.88619	-0.03102	0.50374	0.056972
0.032139	0.48841	-0.22551	8.49E-07	0.002632	0.95476	-0.01617	0.72739	-0.0082
-0.01776	0.70183	-0.18505	5.74E-05	-0.05197	0.26236	-0.06586	0.15533	-0.12204

-0.04104	0.37624	-0.23188	4.05E-07	-0.07456	0.10757	-0.14901	0.00124	-0.09725
-0.09493	0.04031	-0.27193	2.32E-09	-0.0158	0.7334	-0.00048	0.99169	-0.07888
0.099366	0.0318	0.187095	4.74E-05	-0.02735	0.55549	-0.05912	0.20223	-0.05231
0.049818	0.28266	-0.04676	0.31333	-0.01502	0.74614	-0.02712	0.55874	0.080486
0.125537	0.0066	0.046338	0.31769	0.010924	0.81387	0.029912	0.51905	-0.01255
-0.09027	0.05125	-0.16761	0.00027	-0.04897	0.29091	0.004538	0.92209	-0.09441
0.246838	6.53E-08	0.050066	0.28027	-0.03645	0.43197	-0.12046	0.00917	-0.09521
-0.03819	0.4103	-0.15068	0.00109	-0.00377	0.93523	0.010821	0.8156	-0.0914
-0.01222	0.79221	-0.01682	0.71699	0.010889	0.81445	0.044762	0.33444	-0.04466
-0.11008	0.01732	-0.08415	0.06924	-0.00656	0.88762	-0.03218	0.48784	0.016223
0.177497	0.00012	0.095515	0.03908	-0.01665	0.71966	-0.02996	0.51844	0.025281
0.266976	4.61E-09	0.053546	0.24814	-0.0217	0.63996	0.000675	0.9884	-0.03497
0.053829	0.24565	0.101429	0.0284	0.072009	0.12019	0.195055	2.19E-05	0.137784
0.12012	0.00937	-0.0572	0.21727	0.002703	0.95355	0.006613	0.88666	0.121637
0.218784	1.81E-06	0.254875	2.33E-08	-0.03905	0.39983	-0.12747	0.00581	-0.1247
0.176435	0.00013	-0.08113	0.07988	-0.07778	0.09316	-0.14102	0.00225	-0.19072
0.174243	0.00015	0.058689	0.20552	0.019255	0.67812	0.023528	0.61205	-0.06449
-0.11322	0.01437	-0.30705	1.18E-11	-0.07401	0.11021	-0.09736	0.03544	-0.29997
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-0.07059	0.1277	-0.13558	0.00333	0.007823	0.86611	0.004405	0.92437	-0.02548
-0.08792	0.05761	-0.14645	0.00151	-0.00554	0.90489	-0.03727	0.42164	0.053386
0.055769	0.22902	0.076415	0.09908	0.013618	0.76914	-0.09107	0.0492	0.194396
0.13776	0.00285	0.154844	0.00079	0.013415	0.77248	0.004541	0.92204	-0.04991
0.043652	0.34657	0.094201	0.04187	-0.02337	0.6145	-0.06727	0.14665	-0.09301
0.12324	0.00767	-0.08387	0.07016	-0.01657	0.72105	-0.05564	0.23013	-0.01849
-0.01994	0.6674	-0.05811	0.21006	0.026465	0.56835	0.12528	0.00671	-0.04689
-0.08714	0.05988	-0.39115	1.60E-18	-0.04533	0.32836	-0.10494	0.02333	-0.06661
0.084838	0.06699	-0.01976	0.67012	-0.00271	0.95337	0.02945	0.52552	0.002584
0.089502	0.05325	0.05671	0.22125	-0.0169	0.71562	0.042977	0.3541	-0.03321
-0.0458	0.32339	-0.13518	0.00342	-0.00613	0.89496	-0.05264	0.25628	-0.09834
0.038523	0.40622	0.191075	3.23E-05	0.124482	0.00707	0.332748	1.55E-13	0.242908
0.273325	1.91E-09	0.048518	0.29543	-0.03494	0.45124	-0.12937	0.00511	0.033152
-0.25592	2.03E-08	-0.3465	1.28E-14	-0.03936	0.39611	-0.10797	0.0196	-0.15779
0.163583	0.00039	0.007765	0.86709	0.048058	0.30003	0.093922	0.04249	0.230904
0.042755	0.35659	-0.11462	0.01319	0.026832	0.563	0.000138	0.99763	0.039436
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-0.13551	0.00334	-0.18748	4.56E-05	-0.02426	0.60103	0.011786	0.79947	-0.16498
-0.18933	3.82E-05	-0.14414	0.00179	-0.04046	0.38301	0.056793	0.22057	-0.21155
0.061957	0.18135	-0.12098	0.00887	-0.00979	0.83297	-0.04045	0.38317	0.015787
0.114999	0.01289	0.021948	0.63616	-0.03262	0.48192	-0.04276	0.35652	-0.16253
-0.18122	8.20E-05	-0.15589	0.00072	-0.02218	0.63256	-0.04095	0.37724	-0.00314
-0.10943	0.018	-0.25681	1.81E-08	-0.0545	0.23981	-0.10323	0.0257	-0.07269
-0.15384	0.00085	-0.24932	4.76E-08	-0.00285	0.95106	0.078449	0.09038	0.001455
0.026861	0.56258	-0.18991	3.62E-05	0.000835	0.98565	0.109553	0.01787	0.101558
0.147376	0.0014	-0.00543	0.90692	0.057819	0.21234	0.060256	0.19366	0.051579

0.013597	0.76947	-0.12297	0.00781	-0.04874	0.29326	-0.11511	0.0128	-0.13787
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0.038708	0.40396	0.010878	0.81463	-0.02829	0.54191	-0.07512	0.10494	0.041132
0.050486	0.27625	-0.01325	0.77514	-0.01804	0.69733	-0.03278	0.47973	0.026535
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0.123849	0.00737	-0.16126	0.00047	-0.03271	0.48074	-0.11935	0.00984	-0.05842
0.025546	0.58186	-0.12097	0.00888	-0.01411	0.76096	0.005507	0.90552	-0.00474
0.151846	0.001	0.024576	0.59628	0.049605	0.28473	0.007794	0.8666	0.1521
0.090813	0.04985	0.187532	4.54E-05	0.002496	0.95711	0.01641	0.72357	0.141563
-0.02441	0.59872	-0.22451	9.51E-07	-0.02862	0.53726	-0.12473	0.00696	0.063666
0.017499	0.70605	-0.22973	5.21E-07	-0.0046	0.92097	-0.03339	0.47164	0.033209
0.060393	0.19265	-0.01584	0.73279	0.088703	0.05543	0.168298	0.00026	0.308055
0.056814	0.2204	0.025145	0.5878	-0.05637	0.22403	-0.08006	0.08395	-0.10299
0.004768	0.91815	0.084202	0.06907	0.002342	0.95975	0.055715	0.22947	-0.00536
-0.05713	0.21788	0.212368	3.66E-06	0.040777	0.37929	0.150013	0.00115	0.197305
0.002384	0.95903	0.100784	0.02943	0.026018	0.57491	0.118386	0.01045	0.254636
0.001128	0.9806	-0.05536	0.23245	0.004626	0.92059	-0.00663	0.8863	0.018611
0.06354	0.17043	0.016403	0.72368	-0.01141	0.80579	-0.08511	0.06611	0.048089
0.156082	0.00071	0.135977	0.00324	-0.03856	0.40582	-0.06556	0.1572	-0.03511
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0.100811	0.02939	0.008293	0.85814	0.004487	0.92297	-0.00568	0.90261	0.043735
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0.078969	0.08827	-0.13361	0.00382	-0.03528	0.44692	-0.04423	0.34019	-0.17282
0.243691	9.68E-08	0.240074	1.51E-07	0.018075	0.69683	-0.00795	0.86391	0.017536
0.217741	2.04E-06	-0.06633	0.15239	-0.07474	0.10672	-0.14185	0.00212	-0.12815
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-0.03998	0.38867	-0.10695	0.0208	-0.07702	0.09642	-0.07259	0.11723	-0.11754
0.037111	0.42365	-0.20546	7.61E-06	-0.04873	0.29334	-0.11677	0.01156	-0.05829
0.291331	1.38E-10	0.267782	4.13E-09	0.012795	0.78272	0.014246	0.7588	0.143318
-0.09959	0.03142	-0.258	1.54E-08	0.005351	0.90818	-0.03774	0.41579	-0.02524
0.232493	3.76E-07	0.289501	1.81E-10	0.023063	0.6191	0.092909	0.04478	0.095344
0.151616	0.00101	0.193797	2.48E-05	0.030339	0.51309	-0.03305	0.4761	-0.00214
-0.04718	0.30894	-0.03669	0.42898	-0.0518	0.26393	-0.03162	0.49546	-0.0327
0.09349	0.04345	-0.2351	2.76E-07	-0.04098	0.3769	-0.11741	0.01111	-0.14551
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0.004556	0.92178	-0.11831	0.01051	-0.02409	0.60359	-0.07769	0.09354	-0.09001
0.138964	0.00262	-0.01054	0.82035	0.010093	0.82779	-0.03165	0.4951	0.016629
0.011873	0.79802	-0.19429	2.36E-05	-0.01222	0.79231	-0.00181	0.96884	-0.04394
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0.053935	0.24472	-0.22215	1.24E-06	-0.08	0.0842	-0.16845	0.00026	-0.17565



0.163398	0.00039	0.014932	0.74758	-0.02657	0.56676	-0.00485	0.91683	-0.0926
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0.086165	0.06281	0.110779	0.01662	0.004977	0.91458	-0.01831	0.69312	-0.04212
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0.147471	0.00139	0.078835	0.08881	-0.01042	0.82223	-0.11665	0.01164	0.10379
0.193725	2.50E-05	-0.07613	0.10034	-0.05368	0.24697	-0.12817	0.00554	-0.06172
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0.05947	0.19954	-0.06722	0.14696	-0.03841	0.40764	-0.03688	0.42651	0.003927
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0.159885	0.00052	0.095015	0.04013	-0.02633	0.57026	-0.07644	0.09898	-0.00977
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0.100927	0.0292	0.09614	0.03782	0.034392	0.45843	0.095272	0.03959	0.040385
0.14737	0.00141	0.066133	0.15362	-0.01857	0.68896	-0.08851	0.05595	-0.04919
0.122379	0.00811	0.153756	0.00086	-0.02159	0.64171	-0.08131	0.07921	-0.05551
0.061539	0.18432	0.007824	0.86609	0.012498	0.78765	-0.01214	0.7936	0.123945
0.127184	0.00592	0.052415	0.25829	-0.00824	0.85911	-0.02007	0.66525	-0.02461
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0.150718	0.00109	0.001221	0.97901	-0.01516	0.74383	-0.07909	0.08777	0.00439
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0.109869	0.01754	0.322141	9.76E-13	0.035462	0.44456	0.048173	0.29888	0.072645
0.023874	0.60683	-0.00811	0.86127	-0.02061	0.65682	-0.02904	0.53131	-0.10768
0.036651	0.42942	-0.16848	0.00025	-0.02609	0.57392	-0.04675	0.31345	-0.00257
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0.288056	2.25E-10	0.284978	3.55E-10	-0.04949	0.28585	-0.12488	0.00689	-0.11056
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0.068838	0.13744	-0.10571	0.02233	-0.06497	0.161	-0.11237	0.01512	-0.17578
0.113518	0.01411	0.125301	0.0067	0.001186	0.97961	0.063967	0.16757	0.01648
0.068558	0.13905	0.166586	0.0003	0.047807	0.30257	0.187258	4.66E-05	0.125681
0.362707	5.75E-16	0.178373	0.00011	-0.00064	0.98896	-0.05809	0.21021	0.029013
0.33533	9.79E-14	0.279684	7.70E-10	-0.02864	0.53693	-0.04362	0.3469	-0.08462
-0.13235	0.00417	-0.29311	1.05E-10	-0.03543	0.44494	-0.00731	0.87484	-0.17713
0.097104	0.03592	-0.01398	0.76324	-0.00899	0.84644	-0.0117	0.80092	0.053433
0.017894	0.69973	0.130591	0.0047	-0.00179	0.96914	-0.03547	0.4444	-0.02153
0.03615	0.43576	0.025949	0.57592	0.036189	0.43527	0.1277	0.00572	0.121077
0.070746	0.12685	0.105774	0.02225	-0.002	0.96569	-0.03696	0.4256	0.035552
0.150864	0.00107	0.05102	0.27119	-0.02008	0.66514	-0.02978	0.52093	-0.09267
0.180634	8.66E-05	0.163463	0.00039	-0.04336	0.34979	-0.07469	0.10697	-0.03596
0.168538	0.00025	0.129601	0.00503	0.010164	0.8266	-0.0049	0.91591	0.029455
0.216124	2.43E-06	0.1531	0.0009	-0.00457	0.92151	-0.10409	0.02449	-0.04391

0.158235	0.0006	0.040179	0.38633	0.022701	0.62461	-0.0416	0.36974	0.076243
0.238145	1.91E-07	0.032484	0.48375	-0.01061	0.81914	-0.05302	0.25282	-0.03627
0.008057	0.86213	0.06037	0.19281	-0.00507	0.91305	0.078969	0.08827	0.141817
0.243259	1.02E-07	0.330886	2.15E-13	0.031621	0.49545	0.068634	0.13861	0.114828
-0.15618	0.00071	-0.34567	1.49E-14	-0.04974	0.28337	-0.05709	0.21819	-0.11793
0.068866	0.13729	0.354961	2.59E-15	-0.08812	0.05706	-0.05581	0.22864	-0.21254
-0.05433	0.24132	-0.15487	0.00078	-0.03061	0.5094	-0.03187	0.49199	-0.12099
-0.17371	0.00016	-0.18525	5.64E-05	-0.00265	0.95438	0.019356	0.67653	0.046162
0.082152	0.07614	-0.13162	0.00438	0.031612	0.49557	0.037441	0.41954	0.085756
0.028915	0.53308	-0.08955	0.05312	-0.00159	0.97262	0.002781	0.9522	-0.00392
0.114814	0.01304	0.044305	0.33941	0.022795	0.62318	0.017928	0.69919	0.097166
0.19317	2.64E-05	-0.02023	0.66276	-0.03015	0.51576	-0.11553	0.01248	-0.0967
0.297348	5.48E-11	-0.00464	0.92029	-0.03317	0.47453	-0.06843	0.13981	-0.05772
-0.1278	0.00568	-0.11141	0.01601	-0.03338	0.47178	-0.07821	0.09137	-0.09623
-0.01923	0.67854	-0.21748	2.10E-06	-0.03038	0.51249	-0.05929	0.2009	-0.01546
-0.05479	0.2373	-0.16576	0.00032	-0.01617	0.72737	-0.08201	0.07665	-0.10577
0.245454	7.77E-08	0.223198	1.10E-06	0.016602	0.72047	-0.0137	0.76777	0.094504
-0.02515	0.58768	-0.15153	0.00102	-0.01843	0.69114	-0.08726	0.05952	-0.01878
0.348088	9.51E-15	0.215315	2.66E-06	-0.0049	0.91586	-0.03199	0.49041	-0.02557
-0.00279	0.95203	-0.30045	3.38E-11	-0.06259	0.17694	-0.11539	0.01259	-0.24684
0.081901	0.07704	-0.23608	2.45E-07	-0.00059	0.9898	0.032358	0.48545	-0.0936
0.107217	0.02048	0.067872	0.14306	0.037166	0.42297	0.087021	0.06024	0.234921
0.044009	0.34264	-0.04633	0.31779	-0.07378	0.1113	-0.12555	0.0066	-0.15198
0.101442	0.02838	-0.06706	0.14791	-0.02033	0.66119	-0.05151	0.2666	-0.15353
-0.09475	0.04069	-0.27628	1.25E-09	-0.08214	0.07619	-0.12192	0.00835	-0.1619
-0.00956	0.83681	-0.15365	0.00086	-0.03115	0.50191	-0.02494	0.59079	-0.07639
0.058505	0.20695	0.008465	0.85523	0.002311	0.96027	0.020704	0.6554	-0.02747
0.188442	4.17E-05	0.038021	0.41237	0.014783	0.75	-0.02231	0.63066	0.065646
0.093026	0.04451	0.192517	2.81E-05	0.046004	0.32119	0.099514	0.03155	-0.03279
0.02808	0.54497	0.126455	0.00621	0.052452	0.25795	0.124612	0.00701	0.161562
0.050358	0.27747	0.169595	0.00023	-0.05447	0.24005	0.025225	0.58661	-0.05359
0.161276	0.00047	0.426452	4.64E-22	0.037897	0.41389	0.007388	0.87348	0.094655
0.104826	0.02348	0.034188	0.4611	-0.0273	0.55626	-0.05332	0.25018	-0.01865
0.115003	0.01289	0.03734	0.42079	-0.00096	0.98342	0.023777	0.60828	-0.00332
0.129539	0.00505	-0.06416	0.1663	-0.07845	0.09039	-0.18373	6.50E-05	-0.05473
-0.03874	0.40356	-0.26634	5.03E-09	0.021128	0.64882	-0.02206	0.63443	-0.02502
0.279688	7.70E-10	0.037311	0.42116	-0.01743	0.7071	-0.0344	0.45832	-0.14391
-0.08593	0.06354	0.069687	0.13265	-0.01263	0.78546	0.074936	0.10581	-0.04195
0.040665	0.38061	-0.03019	0.51511	-0.02028	0.66205	0.000965	0.98341	-0.09588
0.157595	0.00063	0.033361	0.47201	0.020383	0.66042	-0.01005	0.82855	0.019515
0.125498	0.00662	0.063759	0.16896	0.013294	0.77448	0.049693	0.28387	-0.02501
0.249924	4.41E-08	-0.0283	0.54176	-0.0738	0.11123	-0.09019	0.05145	-0.14113
0.026705	0.56485	0.0913	0.04863	-0.02331	0.61542	-0.01166	0.80151	0.012116
-0.04226	0.3622	0.026231	0.57178	-0.01002	0.82909	-0.01161	0.80248	-0.01758
-0.15926	0.00055	-0.16169	0.00045	0.002825	0.95145	0.062481	0.17768	-0.0037

0.091772	0.04747	0.221705	1.31E-06	0.010586	0.81952	0.006247	0.8929	0.042092
0.043612	0.34702	0.007409	0.87313	-0.00113	0.98059	-0.02574	0.57893	0.045942
0.120708	0.00903	0.044559	0.33664	-0.04515	0.3303	-0.11475	0.01309	-0.00548
0.070652	0.12736	0.13419	0.00367	-0.00357	0.93867	-0.07887	0.08866	0.002731
0.086074	0.06309	0.125989	0.00641	-0.00641	0.89007	-0.10781	0.01979	0.025559
0.03822	0.40993	-0.14487	0.0017	-0.03762	0.41738	-0.13708	0.00299	-0.02155
0.041465	0.3713	-0.0284	0.54046	-0.0047	0.91925	-0.03223	0.48723	0.035574
0.108484	0.01903	-0.03647	0.43177	0.017936	0.69906	-0.01534	0.74084	0.081853
-0.0659	0.1551	-0.07588	0.10148	0.020254	0.66242	0.065263	0.15911	0.062454
0.157835	0.00062	-0.16198	0.00044	-0.00773	0.86766	-0.04782	0.30247	-0.14096
0.076956	0.09671	-0.01794	0.69903	0.045227	0.32944	0.110101	0.0173	0.059933
0.067574	0.14483	-0.04715	0.3093	0.024743	0.59378	-0.01019	0.82615	0.119268
-0.00282	0.9516	-0.0989	0.03262	-0.04895	0.29111	-0.09303	0.0445	-0.07205
-0.17688	0.00012	-0.19628	1.94E-05	0.006151	0.89454	0.025	0.58996	0.001282
0.389307	2.38E-18	0.298723	4.42E-11	0.00143	0.9754	0.0079	0.86481	-0.01654
-0.02324	0.61648	0.020883	0.65262	0.036194	0.4352	0.050338	0.27766	0.121017
0.00894	0.8472	0.083231	0.07234	0.012609	0.7858	0.043608	0.34706	-0.01554
0.117141	0.0113	-0.12787	0.00565	-0.03034	0.51309	-0.06146	0.18487	-0.10686
-0.02456	0.59654	-0.06241	0.1782	0.014298	0.75795	0.004734	0.91874	-0.039
0.028932	0.53284	0.022549	0.62694	-0.03332	0.47258	0.010022	0.82899	-0.08594
0.321304	1.12E-12	0.183208	6.83E-05	0.006277	0.89239	0.015392	0.74008	0.096661
0.152471	0.00095	-0.05073	0.27391	0.007652	0.869	-0.07846	0.09035	0.021592
0.212345	3.67E-06	-0.11604	0.0121	-0.03867	0.40443	-0.06212	0.18022	-0.04475
-0.13597	0.00324	-0.24185	1.22E-07	0.035593	0.44287	0.128395	0.00546	0.098443
0.046981	0.31101	-0.07401	0.11022	-0.01991	0.66776	-0.0388	0.40282	-0.04814
-0.02489	0.59153	-0.11303	0.01453	-0.00811	0.86132	-0.01768	0.7031	-0.05456
0.159925	0.00052	0.096551	0.037	-0.03621	0.43495	0.013764	0.76672	-0.06988
0.056613	0.22204	0.091641	0.04779	-0.00321	0.94489	-0.01947	0.67481	-0.16956
-0.11324	0.01435	-0.31946	1.54E-12	-0.02838	0.54071	-0.02524	0.58634	0.00184
0.104416	0.02404	-0.10567	0.02238	-0.02693	0.56159	-0.13395	0.00373	-0.05526
-0.03685	0.42697	-0.1213	0.00869	-0.05368	0.247	-0.15388	0.00085	0.023565
0.143946	0.00182	0.000825	0.98582	-0.01131	0.80734	-0.01402	0.76244	0.04092
-0.12842	0.00545	-0.07057	0.12779	-0.06241	0.17821	-0.09962	0.03136	-0.20369
0.344304	1.92E-14	0.12025	0.00929	-0.00493	0.91536	-0.01498	0.74686	-0.04996
-0.06374	0.16906	0.042925	0.35468	-0.06524	0.15924	-0.07171	0.12175	0.025354
0.030202	0.515	-0.05943	0.19986	-0.00482	0.9172	-0.01834	0.69266	-0.02621
-0.05024	0.27862	-0.25734	1.69E-08	-0.02547	0.58305	-0.08361	0.07107	-0.07592
0.099298	0.03192	-0.1923	2.87E-05	-0.05713	0.21784	-0.15354	0.00087	-0.04824
0.004471	0.92323	-0.09127	0.0487	8.87E-06	0.99985	-0.05347	0.24882	0.052792
-0.05297	0.25327	-0.0677	0.1441	-0.03732	0.42106	-0.01644	0.723	-0.02852
0.079401	0.08653	0.287162	2.57E-10	0.003291	0.94345	-0.04015	0.38673	-0.0168
-0.0514	0.26764	-0.14004	0.00242	-0.05109	0.27054	-0.068	0.14232	-0.15416
0.175658	0.00014	0.22121	1.38E-06	0.030106	0.51634	0.090836	0.04979	0.175702
0.045733	0.32406	0.127114	0.00595	0.050442	0.27666	0.112444	0.01505	0.071752
0.016296	0.7254	-0.15948	0.00054	-0.02556	0.58172	-0.0725	0.11767	-0.06443

-0.15769	0.00063	-0.33278	1.54E-13	0.008971	0.84669	0.059976	0.19574	0.086467
0.040878	0.37811	0.014526	0.75421	0.019696	0.67118	0.054623	0.23875	0.066255
0.096243	0.03761	0.047883	0.3018	-0.01512	0.74451	0.003919	0.9327	-0.1161
0.007032	0.87953	-0.19491	2.22E-05	0.047737	0.30328	-0.02543	0.58353	0.093988
0.005738	0.90158	-0.16683	0.00029	-0.04223	0.36257	-0.04293	0.35466	-0.0278
0.175979	0.00013	0.076439	0.09897	-0.00422	0.92756	-0.04118	0.37463	0.047639
0.145133	0.00166	-0.11679	0.01154	-0.04167	0.36889	-0.10357	0.02521	-0.04257
0.010583	0.81957	-0.18104	8.34E-05	-0.07082	0.12645	-0.11967	0.00964	-0.11025
0.270444	2.85E-09	-0.01987	0.6685	0.021079	0.64958	-0.07058	0.12772	0.026742
0.072392	0.11823	-0.02028	0.66198	-0.01596	0.73081	-0.06066	0.19065	0.009244
0.102613	0.0266	-0.15713	0.00066	-0.03495	0.45115	-0.08801	0.05737	0.005207
0.037003	0.42501	0.101091	0.02894	0.001566	0.97307	0.008411	0.85614	-0.04885
0.12322	0.00768	-0.0324	0.48484	-0.02388	0.60669	-0.09544	0.03925	0.057146
0.206255	7.00E-06	0.360089	9.61E-16	-0.00417	0.92844	0.02408	0.60372	0.00882
0.209689	4.87E-06	0.392407	1.22E-18	-0.01803	0.69749	-0.03826	0.4094	-0.0821
0.07459	0.10743	0.056373	0.22401	-0.0327	0.48091	-0.08549	0.0649	-0.01755
-0.04731	0.30767	-0.14245	0.00203	-0.06236	0.17855	-0.1171	0.01133	-0.05225
0.126992	0.00599	-0.00651	0.88843	-0.01529	0.74182	-0.0564	0.22381	-0.00143
0.005016	0.9139	-0.3026	2.41E-11	-0.03166	0.49498	-0.05693	0.21945	-0.03406
0.11843	0.01042	-0.13864	0.00268	0.024679	0.59475	-0.02945	0.52553	0.075303
0.047689	0.30377	0.188097	4.30E-05	0.002583	0.95561	0.010747	0.81683	0.132815
0.162421	0.00043	0.238689	1.79E-07	0.029227	0.52866	0.001494	0.97431	0.08189
0.136979	0.00302	-0.01213	0.7938	-0.01335	0.77356	0.010469	0.82149	-0.06659
0.115358	0.01261	0.167406	0.00028	-0.01657	0.72097	-0.01074	0.81695	0.011902
0.135488	0.00335	0.235243	2.71E-07	0.003248	0.94418	-0.01067	0.81808	-0.00209
0.064626	0.16323	0.025637	0.58052	-0.03611	0.43622	-0.07047	0.12834	-0.14292
-0.03641	0.43252	-0.00672	0.88477	0.025605	0.58099	0.0611	0.18748	-0.02313
0.094001	0.04231	0.102014	0.0275	-0.01466	0.75202	0.005917	0.89852	0.030418
0.028117	0.54445	-0.00954	0.83715	-0.06195	0.18137	-0.11618	0.01199	-0.06977
0.164287	0.00036	-0.01629	0.72548	-0.00998	0.82968	0.008091	0.86157	0.041391
0.209741	4.85E-06	0.100596	0.02974	-0.02624	0.57164	-0.08656	0.06161	-0.11504
0.003421	0.94123	-0.11204	0.01542	-0.07147	0.12302	-0.10346	0.02537	-0.1381
0.094534	0.04115	0.068854	0.13735	0.023682	0.60973	0.043418	0.34917	0.02336
0.206569	6.77E-06	0.430378	1.76E-22	0.041989	0.36527	0.043939	0.34342	0.113901
0.078265	0.09114	-0.05581	0.22866	0.010685	0.81786	0.014616	0.75274	-0.00026
0.12377	0.00741	0.034547	0.4564	0.016032	0.72968	-0.00112	0.98079	0.013528
0.097869	0.03448	-0.13873	0.00266	0.049075	0.28991	-0.00725	0.87587	0.015444
0.38822	3.01E-18	0.242142	1.17E-07	-0.03416	0.46146	-0.09771	0.03478	0.096715
0.179265	9.81E-05	0.06757	0.14485	-0.05996	0.19587	-0.14012	0.00241	0.037232
0.066591	0.15078	0.074397	0.10835	-0.06404	0.1671	-0.13846	0.00271	-0.15803
0.013003	0.77929	-0.05494	0.23602	-0.01801	0.69783	-0.12499	0.00684	-0.04454
0.094956	0.04025	0.100542	0.02982	0.047284	0.3079	0.071178	0.12454	0.017641
-0.25408	2.58E-08	-0.29573	7.02E-11	-0.03293	0.4778	-0.00603	0.89652	-0.01726
0.212706	3.53E-06	-0.09434	0.04158	-0.03753	0.41848	-0.05044	0.27667	-0.05977
0.205761	7.37E-06	-0.01103	0.81216	-0.04698	0.31104	-0.09934	0.03184	-0.09242

-0.02707	0.55958	0.027024	0.56021	0.01642	0.7234	0.042697	0.35724	0.062373
0.032739	0.48032	-0.14866	0.00127	-0.00282	0.95151	-0.03599	0.43786	-0.02799
0.137744	0.00286	0.19599	1.99E-05	0.042739	0.35676	0.106881	0.02088	0.013083
0.191172	3.20E-05	0.11133	0.01609	0.020491	0.65873	0.041466	0.37128	0.032019
0.230874	4.56E-07	0.113353	0.01425	0.009323	0.84075	0.042965	0.35422	0.093065
0.014238	0.75894	-0.00401	0.9311	-0.02969	0.52211	-0.02614	0.57316	-0.03414
0.080121	0.08371	0.014191	0.7597	0.004664	0.91994	0.003989	0.93148	-0.00994
-0.03734	0.42076	-0.24498	8.24E-08	-0.07839	0.09061	-0.17453	0.00015	-0.142
0.014664	0.75196	-0.00228	0.96073	-0.00551	0.90544	0.053708	0.24671	-0.04062
0.080563	0.08201	-0.09846	0.03341	-0.00351	0.93975	-0.01974	0.67048	-0.00102
-0.17189	0.00019	-0.35211	4.46E-15	0.020423	0.65979	0.11959	0.00969	-0.00455
0.062129	0.18014	-0.10434	0.02414	-0.05844	0.20744	-0.15199	0.00098	-0.20794
0.270491	2.84E-09	0.3605	8.87E-16	0.071639	0.12211	0.091426	0.04832	0.294841
0.205333	7.71E-06	0.189606	3.73E-05	0.022459	0.62832	-0.00085	0.98544	0.049615
0.091519	0.04809	0.147153	0.00143	0.014772	0.75019	-0.04195	0.36572	0.016467
-0.00931	0.8409	0.079557	0.08592	0.014222	0.75921	-0.02064	0.65634	0.103111
0.04593	0.32197	0.086449	0.06195	0.048288	0.29773	0.068121	0.1416	0.193399
0.264807	6.20E-09	0.233758	3.24E-07	-0.00979	0.83287	-0.00566	0.90299	-0.03916
0.399337	2.63E-19	0.332093	1.74E-13	-0.00799	0.86327	-0.03846	0.40698	-0.0201
0.37583	4.09E-17	0.040659	0.38067	-0.01921	0.67877	-0.08639	0.06213	0.051021
0.182625	7.21E-05	0.292041	1.24E-10	0.015376	0.74033	0.004216	0.9276	0.054459
-0.15813	0.0006	-0.31651	2.52E-12	-0.00436	0.92512	0.025644	0.58041	0.00565
0.125177	0.00676	-0.0107	0.81769	-0.01843	0.69122	-0.02072	0.65518	-0.05012
0.066205	0.15317	-0.04318	0.35181	0.006566	0.88746	0.001263	0.97829	0.00495
-0.16087	0.00048	-0.33532	9.81E-14	-0.0149	0.74808	0.018166	0.69539	0.077008
0.162432	0.00042	-0.17311	0.00017	-0.02822	0.543	-0.07789	0.09269	-0.04727
0.38645	4.40E-18	0.039737	0.39158	0.02473	0.59399	-0.01408	0.76154	0.037917
0.174016	0.00016	0.353267	3.58E-15	0.002677	0.95398	0.065766	0.15591	0.136241
-0.02966	0.52253	-0.23722	2.14E-07	-0.04714	0.30935	-0.11321	0.01437	-0.13284
0.087384	0.05917	-0.15787	0.00062	-0.06044	0.19233	-0.12945	0.00508	-0.06472
0.067431	0.14568	-0.22499	9.01E-07	-0.03165	0.49505	-0.10177	0.02787	-0.01911
-0.08345	0.0716	-0.24786	5.73E-08	0.016944	0.71495	0.074414	0.10827	0.002596
-0.02645	0.56862	0.065066	0.16037	-0.03753	0.41841	-0.01092	0.81389	-0.02842
0.122116	0.00825	0.001727	0.97031	-0.01544	0.73922	-0.03541	0.44516	-0.0321
-0.01466	0.75205	-0.09894	0.03255	-0.03545	0.44476	-0.09443	0.04139	-0.09892
-0.0366	0.43009	-0.11756	0.011	-0.06877	0.13782	-0.05153	0.26643	-0.06958
0.206584	6.76E-06	0.074239	0.10911	-0.05509	0.23477	-0.16221	0.00043	-0.11018
0.126453	0.00621	-0.03489	0.45192	-0.0527	0.25575	-0.11464	0.01318	-0.21159
0.037211	0.4224	-0.1342	0.00367	-0.03989	0.38978	-0.05925	0.20125	0.019851
0.023638	0.61039	0.020587	0.65722	-0.0283	0.54185	-0.15787	0.00062	-0.03718
0.128291	0.0055	-0.00662	0.88653	-0.0407	0.38024	-0.06404	0.16707	-0.06021
-0.05481	0.23717	-0.05337	0.24971	-0.02717	0.55811	0.020241	0.66263	-0.11438
0.240399	1.45E-07	0.204898	8.07E-06	0.043597	0.34719	0.00388	0.93336	0.08717
0.0768	0.09739	-0.06888	0.13721	-0.02573	0.57908	-0.02537	0.58449	-0.0496
0.129986	0.0049	-0.01041	0.8225	-0.0431	0.35272	-0.07473	0.10676	-0.06638

0.0487	0.29362	-0.17571	0.00014	-0.0345	0.45697	-0.06764	0.14444	-0.09934
0.222305	1.22E-06	0.187171	4.70E-05	-0.01021	0.82575	-0.03565	0.44218	0.024312
0.013348	0.77358	-0.00489	0.91614	0.024955	0.59064	0.044208	0.34046	-0.02162
0.152651	0.00094	0.110117	0.01729	0.01614	0.72793	-0.00622	0.89342	-0.15772
0.014697	0.75142	0.129661	0.00501	0.016809	0.71713	0.063579	0.17017	-0.02886
0.092877	0.04485	0.028199	0.54328	0.003293	0.94343	0.027014	0.56035	0.069382
0.128814	0.00531	0.162841	0.00041	-0.01061	0.81904	-0.04578	0.3236	0.032433
-0.07405	0.10999	-0.15799	0.00061	-0.00814	0.86065	-0.07896	0.08832	-0.04306
-0.06233	0.17875	-0.15793	0.00061	-0.02442	0.59856	-0.01445	0.75539	-0.03187
-0.01498	0.74683	0.033262	0.47333	-0.04922	0.28852	-0.06354	0.17041	-0.02626
-0.03275	0.48013	-0.18961	3.72E-05	-0.01511	0.74464	-0.05578	0.2289	-0.05171
-0.10862	0.01887	-0.29409	9.03E-11	-0.00587	0.89939	0.018628	0.68804	-0.04448
-0.02921	0.52889	-0.0518	0.26389	-0.03657	0.43049	-0.03663	0.42971	0.022528
0.072031	0.12008	-0.1338	0.00377	-0.04205	0.36461	-0.04008	0.38746	-0.02252
0.078304	0.09099	-0.08394	0.06994	-0.04762	0.30448	-0.13038	0.00477	-0.05282
0.274603	1.59E-09	0.204248	8.63E-06	-0.00554	0.90491	-0.03181	0.49285	0.038871
-0.14648	0.0015	-0.31848	1.81E-12	-0.05916	0.20188	-0.03949	0.3945	-0.12455
-0.14442	0.00175	-0.19776	1.67E-05	-0.01025	0.82513	-0.01142	0.80564	-0.05848
0.161641	0.00045	0.016292	0.72547	-0.02417	0.60244	-0.11689	0.01147	-0.06647
-0.04654	0.31559	-0.1046	0.02378	-0.02917	0.52952	-0.04663	0.31467	-0.07552
-0.01054	0.82034	-0.06785	0.1432	0.023184	0.61726	0.071679	0.1219	0.005316
0.037862	0.41432	-0.05337	0.24972	-0.05968	0.19797	-0.11133	0.01609	-0.09914
0.067875	0.14305	0.208294	5.65E-06	0.039117	0.39901	0.110003	0.01741	0.145516
0.020715	0.65524	0.013676	0.76817	0.02595	0.57591	0.014437	0.75568	0.033683
-0.10188	0.0277	-0.23482	2.85E-07	-0.04558	0.3257	-0.03696	0.4256	-0.07902
-0.10421	0.02431	-0.1717	0.00019	-0.03229	0.48638	0.009113	0.84429	0.062795
0.011999	0.79593	-0.12398	0.00731	-0.03962	0.39298	-0.06363	0.16981	-0.03341
0.033438	0.471	-0.10483	0.02347	0.009613	0.83586	0.059261	0.20113	-0.06068
0.124608	0.00702	0.077585	0.094	-0.00482	0.91721	-0.0372	0.42259	-0.00213
-0.11242	0.01507	-0.31047	6.81E-12	-0.01968	0.6715	-0.01141	0.80577	-0.0755
0.054208	0.24234	-0.08396	0.06986	0.017864	0.70021	-0.00259	0.95541	0.217863
-0.13161	0.00439	-0.18931	3.83E-05	-0.0391	0.39927	-0.04665	0.31448	-0.08469
0.133243	0.00392	0.108911	0.01856	0.032351	0.48554	0.035684	0.4417	0.119194
-0.01222	0.79224	-0.04323	0.35131	-0.03638	0.43281	-0.03027	0.5141	0.026391
-0.17026	0.00022	-0.21578	2.52E-06	-0.00533	0.90851	-0.01228	0.7913	-0.0237
0.153466	0.00088	-0.15032	0.00112	-0.00696	0.88075	-0.08045	0.08245	-0.01694
-0.10624	0.02166	-0.17245	0.00018	-0.03872	0.40379	0.015024	0.74607	-0.04431
0.232417	3.80E-07	0.161899	0.00044	-0.01671	0.71867	-0.02026	0.66226	-0.03564
0.082956	0.0733	-0.03172	0.49409	0.013898	0.76452	0.062332	0.17872	-0.0606
0.162332	0.00043	0.20101	1.20E-05	0.005472	0.90612	0.037985	0.41281	-0.04093
-0.02842	0.54015	-0.14092	0.00227	-0.02463	0.59553	-0.00573	0.90171	-0.01595
0.077309	0.09518	-0.16755	0.00028	-0.01649	0.7222	-0.02675	0.56423	-0.1141
-0.02447	0.59787	-0.07851	0.09014	0.043276	0.35075	0.104283	0.02422	0.128871
-0.02922	0.52882	-0.10125	0.02868	-0.0668	0.14947	-0.03472	0.45414	-0.08537
0.131705	0.00436	0.215132	2.71E-06	0.042054	0.36454	0.112908	0.01464	0.008523

0.17838	0.00011	0.175857	0.00013	0.012136	0.79366	0.028433	0.53993	0.036758
-0.00683	0.88289	-0.05133	0.26833	-0.03471	0.45426	-0.03239	0.48508	0.050399
0.109417	0.01802	0.020455	0.65929	-0.01419	0.75968	-0.07341	0.1131	0.001955
0.316633	2.47E-12	0.258312	1.48E-08	-0.00263	0.95479	-0.05564	0.23009	0.040045
-0.04139	0.3722	-0.06558	0.1571	-0.05037	0.27732	-0.08323	0.07234	0.011368
-0.09203	0.04685	-0.3036	2.05E-11	-0.03371	0.46734	-0.09462	0.04096	-0.02306
0.03252	0.48326	-0.09032	0.0511	-0.00907	0.84509	-0.03783	0.41467	-0.05576
0.212464	3.62E-06	0.10359	0.02518	-0.01269	0.78442	-0.09657	0.03696	-0.08059
0.102589	0.02663	0.221495	1.34E-06	0.008715	0.85101	0.014487	0.75486	0.002291
-0.09574	0.03863	-0.22316	1.11E-06	-0.01715	0.71161	-0.02531	0.58531	-0.09433
0.320978	1.19E-12	0.077157	0.09583	0.030989	0.5041	0.089598	0.053	0.149954
-0.21792	1.99E-06	-0.41251	1.30E-20	-0.0325	0.48353	-0.03789	0.41398	-0.09887
0.084922	0.06672	-0.0672	0.14708	-0.08758	0.05859	-0.12254	0.00802	-0.15994
-0.30155	2.84E-11	-0.28346	4.44E-10	-0.02129	0.64631	-0.01286	0.78163	-0.03127
0.073751	0.11146	0.174676	0.00015	0.026618	0.56612	0.078658	0.08953	0.113552
-0.05202	0.26189	0.265561	5.60E-09	0.079152	0.08753	0.182058	7.59E-05	0.181265
-0.02033	0.66126	-0.23387	3.20E-07	-0.05631	0.22452	-0.08598	0.06337	-0.15584
-0.00313	0.9462	0.155399	0.00075	-0.02398	0.60527	-0.05088	0.27251	-0.02936
0.114834	0.01302	0.307236	1.15E-11	0.038736	0.40363	0.096507	0.03709	0.239179
-0.03718	0.42277	-0.08445	0.06826	-0.00918	0.8432	0.01361	0.76926	-0.03769
0.055356	0.2325	-0.17975	9.39E-05	-0.01884	0.68461	-0.04542	0.32733	-0.14161
-0.09342	0.04361	-0.20071	1.24E-05	-0.00019	0.99674	0.082627	0.07445	0.015945
0.079693	0.08538	-0.00877	0.85002	-0.01979	0.66974	-0.04549	0.32658	-0.02205
0.007492	0.87173	-0.09234	0.04611	-0.02395	0.60568	-0.01408	0.7615	-0.0598
0.006423	0.8899	-0.30914	8.45E-12	-0.05171	0.26479	-0.13776	0.00285	-0.11437
0.076816	0.09732	-0.06379	0.16878	-0.01475	0.75049	-0.06121	0.18669	-0.04845
0.185796	5.36E-05	0.109096	0.01836	0.013646	0.76867	-0.01676	0.71786	0.025292
0.007421	0.87292	-0.05947	0.19952	-0.03092	0.50509	0.013919	0.76418	-0.03594
0.028618	0.53729	-0.18819	4.27E-05	0.004642	0.9203	0.007414	0.87304	0.070057
0.081668	0.07789	0.078269	0.09113	0.002306	0.96036	-0.00655	0.8878	0.006833
-0.18125	8.18E-05	-0.33053	2.29E-13	-0.02012	0.66447	0.001593	0.97261	-0.1117
0.0248	0.59294	0.151089	0.00106	-0.02183	0.63795	0.030967	0.50441	0.021614
-0.12643	0.00622	-0.15261	0.00094	-0.00715	0.8775	-0.1442	0.00178	0.023686
-0.06621	0.15311	-0.18514	5.70E-05	-0.0344	0.45837	-0.03463	0.4553	-0.10371
0.037293	0.42139	0.11733	0.01116	0.026643	0.56576	0.1102	0.0172	0.030047
0.109049	0.01841	0.276424	1.23E-09	-0.00648	0.8889	0.019286	0.67764	0.232759
0.039868	0.39002	-0.00948	0.83808	0.001341	0.97694	0.007573	0.87034	-0.02217
-0.08906	0.05445	0.009543	0.83705	0.095448	0.03922	0.083092	0.07283	0.326756
0.047382	0.30689	-0.16174	0.00045	-0.00597	0.89765	-0.0511	0.27042	-0.11414
-0.088	0.05738	-0.31921	1.60E-12	-0.06623	0.153	-0.1003	0.03023	-0.09765
0.091626	0.04783	0.031058	0.50315	-0.01206	0.79487	-0.03828	0.40918	0.061391
0.06586	0.15533	0.127512	0.00579	0.015844	0.73273	-0.05492	0.23616	0.010994
0.053854	0.24543	-0.11685	0.0115	-0.06566	0.15656	-0.13046	0.00475	-0.04542
0.018162	0.69545	0.005138	0.91182	-0.07475	0.10666	-0.03529	0.44675	0.034927
0.125069	0.00681	-0.03574	0.44096	-0.04157	0.37011	-0.06547	0.1578	0.031799

0.141351	0.0022	0.017498	0.70606	-0.00786	0.86541	-0.0273	0.55615	0.064577
-0.03687	0.42665	-0.03781	0.41493	0.041707	0.36851	0.05506	0.235	0.15792
0.024991	0.59009	-0.23937	1.65E-07	0.006331	0.89146	-0.02419	0.60204	-0.03394
0.102925	0.02614	0.040671	0.38053	-0.08288	0.07355	-0.12786	0.00566	-0.06402
0.171445	0.0002	0.152993	0.00091	0.04611	0.32007	0.024785	0.59316	-0.04748
-0.00259	0.95557	0.035389	0.44549	0.033734	0.46707	0.073181	0.11426	0.109828
0.121804	0.00841	0.18741	4.60E-05	-0.00546	0.90635	-0.04843	0.29635	0.020464
0.252258	3.27E-08	0.306338	1.33E-11	-0.0172	0.7108	-0.0296	0.5234	0.053226
0.306742	1.24E-11	0.171149	0.0002	0.03671	0.42868	0.008187	0.85993	0.09006
-0.00554	0.90492	-0.1729	0.00017	-0.03175	0.49374	-0.1135	0.01413	-0.04688
0.047453	0.30617	-0.10565	0.0224	-0.0265	0.56789	-0.03289	0.47823	0.07512
0.204569	8.34E-06	0.199046	1.47E-05	-0.0092	0.84283	0.039668	0.3924	0.070879
-0.02762	0.5516	-0.16501	0.00034	-0.02772	0.55011	-0.04036	0.38421	-0.03171
-0.07563	0.10262	-0.25774	1.60E-08	-0.01834	0.69262	-0.05566	0.2299	-0.03065
0.105011	0.02324	0.064573	0.16358	-0.02321	0.61683	-0.01328	0.77465	-0.09602
0.08849	0.05602	-0.18799	4.35E-05	0.06153	0.18439	0.042051	0.36457	0.132029
0.034084	0.46246	-0.04246	0.35992	-0.01563	0.73621	-0.05459	0.23903	-0.05936
-0.12448	0.00708	-0.12903	0.00523	-0.01693	0.71518	0.027779	0.54929	-0.01902
0.178768	0.0001	0.185528	5.49E-05	0.068234	0.14093	0.091777	0.04746	0.079685
0.009961	0.83001	0.113308	0.01429	0.053863	0.24536	0.144599	0.00173	0.013691
0.182834	7.07E-05	0.418297	3.32E-21	0.019589	0.67285	0.106728	0.02106	0.053054
0.041605	0.36968	0.146665	0.00148	0.01092	0.81392	0.048871	0.29192	-0.00618
0.078532	0.09004	0.088195	0.05684	-0.03709	0.42396	0.012262	0.79157	-0.03619
0.147161	0.00143	-0.08201	0.07665	0.029167	0.52951	-0.03152	0.49686	0.016659
0.134282	0.00365	0.195763	2.04E-05	0.022866	0.6221	0.002958	0.94916	-0.03466
0.085721	0.06419	0.024536	0.59689	0.017475	0.70642	0.048998	0.29067	0.097282
0.012199	0.7926	-0.2107	4.38E-06	0.043966	0.34312	0.078791	0.08899	0.114074
0.041248	0.37381	0.280604	6.74E-10	0.018541	0.68943	0.087287	0.05945	0.073974
-0.00049	0.99165	0.319181	1.61E-12	0.016731	0.71839	0.050863	0.27268	0.018162
0.052937	0.25357	-0.02255	0.62696	0.041799	0.36746	0.018383	0.69193	0.000832
0.074896	0.106	0.180351	8.89E-05	0.085787	0.06398	0.07944	0.08638	0.232738
0.127162	0.00593	0.111595	0.01584	0.037737	0.41587	0.068897	0.13711	0.040813
0.14619	0.00154	0.148038	0.00134	0.012485	0.78785	0.045383	0.32777	0.057506
-0.16971	0.00023	-0.10689	0.02087	0.06168	0.18332	0.156053	0.00071	0.119459
-0.08473	0.06734	-0.04187	0.36669	0.009333	0.84058	0.082709	0.07416	-0.0024
0.158405	0.00059	0.198573	1.54E-05	0.018102	0.6964	0.058104	0.21009	0.070099
0.008882	0.84819	0.166238	0.00031	0.061617	0.18377	0.159348	0.00055	0.22579
-0.11607	0.01207	-0.14361	0.00186	0.003424	0.94118	0.009268	0.84168	0.021345
0.152509	0.00095	0.170039	0.00022	-0.04171	0.36844	0.038704	0.40401	-0.01146
0.146228	0.00153	0.131022	0.00457	-0.03921	0.3979	-0.02397	0.6054	0.02067
0.023592	0.61108	-0.03472	0.45416	-0.0176	0.7045	-0.14697	0.00145	-0.04587
0.098228	0.03382	0.021905	0.63681	0.007946	0.86402	0.014341	0.75724	0.066742
-0.1577	0.00063	-0.10952	0.01791	0.002639	0.95464	0.053262	0.25067	-0.0443
0.064345	0.16507	0.08453	0.06799	0.001043	0.98207	-0.0355	0.44405	0.053531
0.035118	0.44898	0.212287	3.69E-06	0.032391	0.485	0.047054	0.31025	0.023721



0.22814	6.27E-07	0.226663	7.43E-07	0.061014	0.1881	0.112949	0.0146	0.019032
0.188377	4.19E-05	0.000278	0.99522	0.023813	0.60774	0.006979	0.88043	-0.03098
0.06911	0.13589	0.088628	0.05563	0.005716	0.90195	0.023417	0.61372	0.047455
0.066282	0.15269	-0.02056	0.65758	0.030474	0.51122	0.04955	0.28527	0.056943
0.282002	5.50E-10	0.110854	0.01655	0.028673	0.53652	-0.05612	0.22609	0.047121
-0.02003	0.66589	0.000182	0.99686	0.040448	0.38315	0.084741	0.0673	0.084322
0.020961	0.65141	-0.03542	0.44509	0.052997	0.25303	0.15254	0.00094	0.143301
0.032555	0.48278	0.104952	0.02332	0.033027	0.47646	0.041286	0.37337	0.035012
-0.10012	0.03052	-0.11033	0.01707	-0.0051	0.91252	-0.07592	0.10131	-0.07908
-0.2017	1.12E-05	-0.21322	3.34E-06	0.01303	0.77883	0.073371	0.11332	-0.00762
0.350518	6.03E-15	0.209862	4.78E-06	0.10936	0.01808	0.142569	0.00201	0.308579
-0.06629	0.15265	-0.11541	0.01257	-0.02378	0.6082	0.010055	0.82843	-0.11037
-0.22965	5.26E-07	-0.26353	7.37E-09	-0.08026	0.08317	-0.06418	0.16615	-0.12061
-0.0761	0.10049	-0.11467	0.01315	0.012319	0.79062	0.099023	0.0324	-0.08416
0.133294	0.00391	0.183031	6.94E-05	0.008996	0.84627	0.06256	0.17713	-0.00095
-0.03587	0.43935	-0.01255	0.7868	-0.03885	0.40229	0.012896	0.78106	-0.04047
0.034028	0.4632	-0.02689	0.56211	0.051146	0.27001	0.067419	0.14575	0.105922
-0.08763	0.05846	-0.00587	0.89934	0.000726	0.98751	0.057503	0.21485	0.042143
-0.15315	0.0009	-0.16362	0.00038	-0.00255	0.9562	-0.00064	0.98904	0.062919
-0.05784	0.21218	-0.11562	0.01241	0.015609	0.73654	0.025532	0.58207	0.026513
0.081536	0.07837	-0.033	0.47681	-0.02287	0.62199	-0.12201	0.0083	-0.02908
-0.00373	0.93599	-0.21906	1.76E-06	-0.01725	0.71008	-0.02596	0.57572	-0.25153
0.06564	0.15671	0.101163	0.02882	0.009942	0.83033	0.053704	0.24675	0.076996
0.125289	0.00671	0.084656	0.06758	0.030215	0.51482	0.027572	0.55227	0.019056
0.180724	8.59E-05	0.139436	0.00253	0.012607	0.78584	-0.00573	0.90171	-0.01275
-0.28768	2.38E-10	-0.35382	3.22E-15	0.004955	0.91496	0.036879	0.42655	0.026879
-0.15996	0.00052	-0.22054	1.49E-06	-0.09984	0.03099	-0.20874	5.39E-06	-0.07819
-0.06099	0.18825	0.124109	0.00725	0.007066	0.87895	0.037204	0.42248	0.100619
0.048319	0.29742	0.040008	0.38835	0.048196	0.29864	0.086703	0.06118	0.072189
0.01937	0.67631	-0.0348	0.45315	0.010421	0.82228	0.018429	0.69121	-0.02472
-0.17859	0.0001	-0.28646	2.85E-10	-0.05942	0.19989	-0.07982	0.08488	-0.1497
-0.11131	0.01611	-0.14382	0.00183	0.048264	0.29797	0.101306	0.0286	-0.00671
-0.01609	0.72872	-0.15106	0.00106	0.029544	0.52421	0.04469	0.33522	0.062789
0.045065	0.33118	0.077933	0.09253	0.048849	0.29214	0.145348	0.00164	-0.03149
0.175485	0.00014	0.136532	0.00311	-0.01909	0.68073	0.04435	0.33891	-0.02881
0.030553	0.51013	-0.02855	0.53827	0.03295	0.4775	0.006703	0.88513	0.062624
0.037243	0.42201	0.00901	0.84602	-0.03122	0.50088	-0.07311	0.11462	-0.03133
0.012631	0.78544	-0.0045	0.92267	-0.0102	0.82593	0.108324	0.0192	-0.0222
-0.17272	0.00018	-0.28242	5.17E-10	-0.02489	0.59153	-0.01428	0.75821	-0.03836
-0.16586	0.00032	-0.09111	0.04909	0.001816	0.96879	0.016314	0.72512	0.073173
-0.02722	0.5573	-0.13383	0.00376	0.002988	0.94865	0.010769	0.81645	0.027037
-0.03336	0.47207	0.055372	0.23236	0.019569	0.67318	0.07215	0.11946	-0.02128
-0.14803	0.00134	-0.07958	0.08582	-0.05479	0.23728	-0.12417	0.00722	-0.07462
0.254715	2.38E-08	0.218702	1.83E-06	0.05521	0.23373	0.089672	0.0528	0.112076
0.02728	0.5565	-0.07162	0.1222	0.07449	0.10791	0.038889	0.40177	0.104316

-0.05562	0.2303	-0.01961	0.67257	0.025103	0.58843	0.085988	0.06336	0.104135
-0.02314	0.61789	0.047538	0.3053	0.011494	0.80434	0.032056	0.48953	0.088035
0.025358	0.58464	0.001738	0.97012	0.022362	0.6298	0.010602	0.81926	0.05781
-0.08429	0.06879	-0.30878	8.96E-12	-0.01578	0.73373	-0.03444	0.45781	-0.04635
0.072211	0.11915	-0.02757	0.55228	0.037537	0.41835	0.070511	0.12812	0.006016
0.092684	0.0453	0.257167	1.72E-08	0.06397	0.16755	0.124526	0.00705	0.258441
0.073465	0.11286	0.144385	0.00176	0.011424	0.8055	0.015519	0.738	0.071128
0.103036	0.02597	-0.04229	0.36182	0.052083	0.26133	0.007561	0.87056	0.013122
-0.18188	7.72E-05	-0.4002	2.17E-19	0.02743	0.55433	0.064771	0.16229	0.060535
0.150531	0.0011	0.242051	1.19E-07	0.061465	0.18485	0.204504	8.40E-06	0.05684
0.035348	0.44602	-0.26523	5.86E-09	-0.05189	0.26311	-0.06916	0.13562	-0.15161
0.247845	5.75E-08	0.155286	0.00076	0.04969	0.28391	0.067372	0.14604	0.07846
0.416391	5.22E-21	0.168651	0.00025	-0.03806	0.41188	-0.05663	0.22191	-0.03636
0.109799	0.01762	0.301655	2.79E-11	0.032527	0.48317	0.118792	0.01019	0.043066
-0.09435	0.04155	0.111874	0.01557	0.027353	0.55544	0.149007	0.00124	0.101112
-0.07218	0.11933	-0.06386	0.16826	0.007496	0.87165	0.081016	0.0803	-0.00401
0.357634	1.55E-15	0.060072	0.19503	-0.06282	0.17533	-0.09838	0.03356	-0.08401
-0.14537	0.00163	-0.09907	0.03232	0.062186	0.17974	0.165975	0.00032	0.054808
-0.01779	0.70139	-0.14012	0.00241	0.009801	0.83269	0.021777	0.63879	-0.03099
0.076479	0.0988	-0.03321	0.474	-0.02634	0.57023	-0.09105	0.04924	0.020442
-0.0458	0.32333	0.020301	0.6617	0.023936	0.6059	0.128023	0.0056	0.04594
-0.00727	0.87557	0.000765	0.98685	0.029901	0.5192	0.051451	0.26716	0.039972
-0.01563	0.73627	0.082017	0.07662	0.009465	0.83836	0.052836	0.25448	0.082361
-0.04555	0.32601	0.05477	0.23748	0.040923	0.37759	0.158352	0.00059	0.060421
0.12761	0.00575	0.214108	3.03E-06	0.026133	0.57322	0.00424	0.92719	0.084724
0.071973	0.12038	0.18482	5.87E-05	0.050643	0.27475	0.172407	0.00018	0.166809
-0.07907	0.08787	-0.01202	0.79561	-0.03131	0.49975	0.006531	0.88806	-0.01255
0.257512	1.65E-08	0.135717	0.0033	0.005225	0.91034	0.025227	0.58659	0.007009
-0.09893	0.03256	0.005884	0.89909	-0.01737	0.70807	0.039593	0.3933	-0.03713
-0.00853	0.85414	0.064792	0.16215	0.011362	0.80655	0.083497	0.07144	0.064252
0.030381	0.51252	-0.09305	0.04445	0.015165	0.74377	0.016058	0.72926	-0.08154
-0.12907	0.00521	-0.18418	6.23E-05	-0.01005	0.82858	-0.01251	0.78742	0.087696
0.158632	0.00058	0.186401	5.06E-05	0.01015	0.82683	0.010119	0.82736	0.117838
0.223732	1.04E-06	0.280508	6.83E-10	0.031585	0.49594	-0.02197	0.63575	0.070321
-0.07123	0.12427	0.064243	0.16574	0.099228	0.03204	0.154782	0.00079	0.191815
0.057819	0.21234	0.072848	0.11592	0.027952	0.5468	0.01317	0.77652	-0.00926
0.061447	0.18498	0.14775	0.00137	0.028373	0.54078	0.053685	0.24692	0.074202
0.111357	0.01606	0.100963	0.02914	-0.02041	0.66001	-0.02046	0.65915	0.052879
-0.06902	0.13642	-0.12206	0.00828	-0.07412	0.10968	-0.09723	0.03569	-0.09537
-0.06894	0.13686	-0.13407	0.0037	0.027897	0.54759	0.082728	0.07409	-0.04247
-0.17437	0.00015	-0.26525	5.84E-09	-0.07857	0.08989	-0.10677	0.02102	-0.17012
0.029743	0.52141	-0.00456	0.92167	0.000959	0.98351	0.029105	0.5304	-0.02257
0.068713	0.13816	0.080433	0.0825	0.020468	0.65908	0.024549	0.59668	0.090722
0.12213	0.00824	0.016545	0.72139	-0.02458	0.5962	-0.04629	0.31819	0.037427
-0.10619	0.02173	-0.24513	8.09E-08	-0.00594	0.89816	-0.05058	0.27532	-0.01136

-0.05408	0.24345	-0.14113	0.00224	-0.05425	0.24198	0.030565	0.50996	-0.07732
-0.10153	0.02825	-0.19055	3.40E-05	-0.0202	0.66321	-0.01282	0.78235	-0.13414
-0.05656	0.22245	-0.13402	0.00371	-0.01828	0.69364	-0.07872	0.08926	-0.09143
0.094134	0.04202	0.119856	0.00953	0.048881	0.29182	0.090426	0.05083	0.086546
0.207116	6.40E-06	0.05525	0.23339	0.026871	0.56243	0.004169	0.9284	0.082145
-0.07021	0.12975	-0.30427	1.85E-11	-0.02417	0.6023	-0.03605	0.43707	-0.01325
0.176853	0.00012	-0.00088	0.98494	0.02029	0.66186	0.007324	0.87457	0.04203
-0.14655	0.0015	-0.34539	1.57E-14	-0.01658	0.72079	-0.00331	0.9432	-0.02017
0.18912	3.90E-05	0.178778	0.0001	0.007332	0.87444	0.04853	0.29531	0.11335
0.052286	0.25946	-0.10372	0.02499	-0.01567	0.73555	-0.11232	0.01516	-0.01867
0.073653	0.11193	0.044912	0.33282	0.017771	0.70169	0.047395	0.30676	0.047233
-0.11572	0.01234	-0.13307	0.00397	0.059326	0.20063	0.122285	0.00816	0.087797
-0.01767	0.70323	-0.09229	0.04623	0.00132	0.9773	-0.01015	0.82692	0.081755
0.078497	0.09019	-0.09964	0.03134	0.03254	0.48299	-0.0127	0.78438	0.038939
-0.07711	0.09603	-0.08534	0.06537	0.029459	0.5254	0.006607	0.88676	0.091528
-0.07664	0.09808	0.096678	0.03675	0.00511	0.91231	0.121267	0.00871	-0.00727
-0.1147	0.01313	-0.20462	8.30E-06	-0.06703	0.14811	-0.14637	0.00152	-0.06314
-0.21071	4.37E-06	-0.39446	7.76E-19	0.000626	0.98924	-0.00666	0.88591	0.002405
-0.14573	0.00159	-0.26395	6.97E-09	0.003942	0.9323	-0.0088	0.84952	-0.03754
0.080199	0.0834	0.001313	0.97742	0.017253	0.70999	0.085817	0.06389	-0.09692
0.16871	0.00025	0.175043	0.00014	0.069813	0.13194	0.032808	0.4794	0.172017
-0.05544	0.23181	-0.10626	0.02164	0.03404	0.46303	0.037559	0.41808	0.091409
0.025771	0.57854	0.133859	0.00376	-0.00385	0.93387	-0.04573	0.32406	0.057219
0.153249	0.00089	0.331838	1.82E-13	0.047057	0.31022	0.098377	0.03355	0.13626
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-0.1825	7.29E-05	-0.19409	2.41E-05	-0.0064	0.89022	-0.02198	0.6356	-0.11904
-0.10947	0.01796	-0.01466	0.75204	0.034094	0.46233	0.105723	0.02231	0.129983
0.032384	0.48509	0.141298	0.00221	-0.00534	0.9084	-0.01598	0.73049	0.078727
0.251094	3.80E-08	0.172718	0.00018	0.00737	0.87379	0.037924	0.41356	0.0326
0.205061	7.93E-06	0.030119	0.51616	-0.0106	0.81935	-0.02646	0.56847	0.032575
0.095711	0.03868	0.146646	0.00148	-0.00689	0.88195	0.061426	0.18513	0.007811
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-0.04579	0.32348	0.008524	0.85424	0.06193	0.18155	0.070534	0.12799	0.060351
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0.033643	0.46828	0.025624	0.58071	0.052601	0.2566	0.124178	0.00722	0.115381
0.114282	0.01347	-0.06221	0.17955	0.088703	0.05543	0.154204	0.00083	0.109539
0.135875	0.00326	0.162922	0.00041	0.028589	0.53771	0.082519	0.07483	0.039363
-0.17128	0.0002	-0.19483	2.24E-05	-0.04141	0.3719	-0.08423	0.06899	-0.08966
-0.11833	0.01049	-0.09251	0.04572	0.023126	0.61815	0.063548	0.17038	-0.00202
0.205688	7.43E-06	0.176133	0.00013	0.059414	0.19997	0.048856	0.29207	0.171471
0.07859	0.08981	-0.02403	0.60444	0.077805	0.09307	0.119524	0.00973	0.109139
0.032607	0.48209	0.006916	0.8815	0.011411	0.80573	0.061771	0.18267	0.006286
-0.19543	2.11E-05	-0.48986	1.48E-29	-0.00207	0.9645	-0.02153	0.64263	0.027672
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-0.0819	0.07706	-0.14267	0.002	0.060062	0.1951	0.081037	0.08022	0.019711

-0.11986	0.00953	-0.00399	0.93143	0.083093	0.07282	0.180251	8.97E-05	0.163233
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-0.11287	0.01467	-0.10466	0.0237	-0.02965	0.52265	-0.00296	0.94906	0.000873
0.154423	0.00081	0.104407	0.02405	0.019503	0.67421	0.006193	0.89381	0.014326
0.011005	0.81251	-0.14435	0.00176	-0.00531	0.90897	-0.02149	0.64316	0.017038
-0.00544	0.9066	0.04839	0.2967	0.053076	0.25233	0.186439	5.04E-05	0.025767
0.308524	9.34E-12	0.262432	8.55E-09	-0.00074	0.98734	0.012182	0.79288	0.031022
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0.057778	0.21266	0.021557	0.64217	-0.01456	0.75359	-0.04831	0.29751	-0.05301
0.28036	6.98E-10	0.131227	0.0045	0.014992	0.7466	0.030225	0.51468	0.051933
-0.11075	0.01665	-0.04597	0.32156	0.059255	0.20118	0.192645	2.77E-05	0.108616
0.031294	0.49992	0.127649	0.00574	0.003323	0.9429	0.138143	0.00277	0.125904
-0.09339	0.04367	-0.14566	0.0016	-0.00316	0.94576	0.057342	0.21613	-0.01204
0.232699	3.67E-07	0.142208	0.00207	0.045183	0.32991	0.056387	0.22389	0.129821
-0.13915	0.00258	-0.23501	2.79E-07	0.042122	0.36376	0.079584	0.08581	0.061936
0.124699	0.00697	0.03454	0.45649	-0.01893	0.68321	-0.07626	0.09979	0.013841
0.01933	0.67694	-0.05642	0.2236	-0.02247	0.62817	-0.05668	0.22147	-0.09034
0.010429	0.82215	0.046196	0.31918	0.008033	0.86255	0.039147	0.39866	0.071557
-0.0684	0.13998	-0.11654	0.01172	0.028549	0.53827	0.030747	0.50744	0.103703
0.06574	0.15608	0.027506	0.55322	0.049089	0.28978	0.055389	0.23221	0.140011
0.036077	0.4367	0.09463	0.04095	0.046983	0.31099	0.074612	0.10733	0.057474
0.056113	0.22616	-0.00205	0.96478	0.002314	0.96022	0.009761	0.83338	0.123307
-0.09792	0.03439	-0.09148	0.04818	0.042473	0.35977	0.127761	0.00569	0.148349
0.138591	0.00269	0.054179	0.24259	0.013057	0.77839	-0.00273	0.95305	0.021306
-0.1719	0.00019	-0.23311	3.50E-07	-0.00435	0.92522	0.036768	0.42795	0.029429
0.044574	0.33647	0.120659	0.00905	0.058106	0.21007	0.11868	0.01026	0.125372
0.107498	0.02015	0.025394	0.58411	0.031732	0.49393	0.053354	0.24985	0.05306
-0.10921	0.01824	-0.04663	0.31466	0.026845	0.56281	0.128914	0.00527	0.11283
-0.07084	0.12634	-0.03198	0.49055	-0.02402	0.60456	-0.05283	0.25454	-0.06627
-0.0038	0.93466	0.207666	6.04E-06	0.032213	0.48741	0.105359	0.02278	0.143658
0.0853	0.06551	0.336886	7.41E-14	0.004423	0.92405	0.101733	0.02793	-0.01645
-0.0319	0.49169	-0.04316	0.35202	0.01683	0.71679	0.032252	0.48688	0.045233
0.088597	0.05572	0.0959	0.0383	0.022086	0.63403	0.056744	0.22097	0.035534
-0.27784	1.00E-09	-0.32811	3.49E-13	0.059021	0.20296	0.108826	0.01865	0.154001
-0.04324	0.35118	0.078039	0.09209	0.023687	0.60965	0.005637	0.9033	0.091614
-0.10447	0.02396	0.016365	0.72429	0.056582	0.2223	0.111734	0.01571	0.191243
-0.01971	0.67093	-0.00622	0.89332	0.009861	0.8317	0.057358	0.21601	0.023239
0.058221	0.20917	-0.05137	0.26795	0.009178	0.84319	-0.04432	0.33925	0.014835
0.259533	1.26E-08	0.30242	2.48E-11	0.04705	0.3103	0.035396	0.4454	0.152892
0.138678	0.00267	-0.01362	0.76911	0.001146	0.9803	-0.03576	0.44067	-0.0445
0.056127	0.22604	0.010474	0.8214	0.027636	0.55135	-0.01707	0.71291	0.093807
-0.01565	0.73589	0.033573	0.4692	-0.04332	0.35028	0.053538	0.24821	0.046611
0.078999	0.08814	-0.07591	0.10134	0.124472	0.00708	0.195944	2.00E-05	0.373061
0.017633	0.7039	0.113101	0.01447	0.020866	0.65288	0.096219	0.03766	0.059973
0.05295	0.25345	0.325097	5.88E-13	-0.00482	0.91722	0.084533	0.06798	0.064175

0.231894	4.04E-07	0.176184	0.00013	-0.00587	0.89929	-0.02956	0.52404	-0.04573
-0.12577	0.0065	-0.19296	2.69E-05	-0.00726	0.87574	0.025406	0.58393	-0.00179
-0.12694	0.00601	-0.09988	0.03092	0.03201	0.49015	0.10811	0.01945	0.045592
0.118444	0.01041	0.236899	2.22E-07	-0.04201	0.36502	-0.06849	0.13947	-0.10995
0.016695	0.71897	-0.07488	0.10608	-0.02651	0.56763	-0.01371	0.76759	-0.08352
-0.00115	0.9803	0.214038	3.05E-06	0.068028	0.14215	0.250563	4.07E-08	0.111716
-0.08885	0.05502	-0.20431	8.58E-06	0.035841	0.4397	0.07929	0.08697	0.054334
0.028093	0.54478	0.09049	0.05067	0.05425	0.24197	0.231796	4.09E-07	0.140495
0.110542	0.01686	0.098925	0.03257	0.066387	0.15204	0.118307	0.0105	0.107957
-0.01311	0.77746	0.278181	9.56E-10	0.017702	0.70279	0.016735	0.71832	0.025881
0.018027	0.6976	-0.02566	0.58025	0.067449	0.14557	0.097	0.03613	0.137193
-0.15207	0.00098	-0.21316	3.36E-06	0.063823	0.16853	0.12498	0.00685	0.004935
0.064865	0.16167	0.044616	0.33602	0.029969	0.51826	0.08423	0.06898	0.099838
0.016633	0.71996	0.048263	0.29798	0.00423	0.92736	-0.01993	0.66747	0.0787
0.091046	0.04926	0.036843	0.42701	-0.03135	0.4991	-0.05991	0.19621	-0.01107
-0.05294	0.25357	-0.0848	0.06712	-0.04616	0.31953	-0.09689	0.03633	-0.07216
0.177248	0.00012	0.204489	8.41E-06	0.018321	0.69292	-0.0303	0.51358	0.119304
-0.13963	0.00249	-0.16275	0.00041	-0.01471	0.7512	0.049492	0.28582	-0.05566
0.255741	2.08E-08	0.25581	2.06E-08	-0.01336	0.77338	-0.03339	0.47158	0.029705
-0.13841	0.00272	-0.07225	0.11895	0.024555	0.5966	0.092987	0.0446	0.042395
-0.13064	0.00469	-0.10689	0.02087	0.038896	0.40168	0.068436	0.13976	-0.01222
-0.22862	5.93E-07	-0.25286	3.02E-08	-0.00587	0.89929	0.04806	0.30001	-0.01644
-0.12445	0.00709	-0.03085	0.50604	0.072783	0.11625	0.185633	5.44E-05	0.109869
0.049939	0.28149	0.300969	3.11E-11	0.030879	0.50562	0.171034	0.0002	0.057471
0.122131	0.00824	0.179184	9.89E-05	0.004501	0.92273	0.026553	0.56707	0.111612
0.011258	0.80829	0.138272	0.00275	0.012595	0.78604	0.10314	0.02582	-0.0673
-0.17044	0.00022	-0.32517	5.81E-13	-0.02482	0.59269	-0.08292	0.07341	0.118163
0.062925	0.17462	0.056939	0.21939	0.077794	0.09312	0.111673	0.01576	0.226024
0.028001	0.54611	-0.04969	0.28394	0.03223	0.48718	0.061799	0.18247	0.033525
-0.0311	0.50253	0.035653	0.4421	-0.00148	0.9746	0.064098	0.1667	0.013844
-0.09931	0.03189	-0.2685	3.74E-09	-0.03253	0.48309	-0.07172	0.12167	-0.01596
-0.1754	0.00014	-0.11719	0.01126	0.043899	0.34385	0.056362	0.2241	0.09759
-0.07748	0.09446	-8.66E-05	0.99851	-0.0063	0.89207	0.009311	0.84095	-0.00559
-0.02829	0.54193	0.029165	0.52954	0.037597	0.4176	0.101466	0.02834	0.053693
-0.14615	0.00154	-0.26263	8.33E-09	0.031086	0.50278	0.049499	0.28576	0.01595
0.073904	0.11072	0.087341	0.0593	0.033993	0.46366	0.068379	0.14009	0.025043
-0.23271	3.67E-07	-0.24189	1.21E-07	-0.02959	0.52357	-0.05262	0.25641	-0.10458
-0.18202	7.62E-05	-0.1696	0.00023	0.054974	0.23574	0.089561	0.0531	0.009592
0.097735	0.03473	0.129169	0.00518	0.004327	0.9257	0.034436	0.45785	-0.05697
-0.00911	0.84429	-0.03795	0.41319	-0.04182	0.36717	-0.00829	0.85827	-0.0292
-0.08406	0.06953	0.02525	0.58625	0.016759	0.71794	0.093258	0.04398	0.054136
-0.16756	0.00028	-0.17555	0.00014	0.068401	0.13996	0.113031	0.01453	0.184168
-0.02953	0.5244	0.05134	0.26819	0.053472	0.2488	0.08866	0.05554	0.083153
0.042821	0.35584	0.015872	0.73228	0.038028	0.41228	0.034332	0.4592	0.043979
-0.06786	0.14312	-0.09873	0.03291	0.002446	0.95795	0.078286	0.09106	0.097134

-0.14324	0.00192	-0.08426	0.06888	-0.01554	0.73774	0.081751	0.07758	0.096499
0.075802	0.10183	0.204686	8.24E-06	0.008303	0.85797	-0.00522	0.9104	0.001962
0.123133	0.00772	0.046318	0.31789	-0.00257	0.95583	0.046005	0.32118	-0.07428
0.070162	0.13002	-0.00461	0.9208	0.032104	0.48888	0.023131	0.61807	0.214385
-0.05674	0.22097	-0.14915	0.00123	-0.01094	0.81365	-0.02493	0.59105	-0.01531
-0.03055	0.51015	0.082482	0.07496	0.046227	0.31884	0.067693	0.14412	0.0572
-0.1506	0.0011	-0.30152	2.86E-11	-0.03643	0.43217	-0.12625	0.0063	-0.04968
0.004404	0.92439	0.061671	0.18338	0.024362	0.59949	0.066911	0.14882	0.076829
-0.01499	0.74666	-0.07123	0.12429	0.034477	0.45731	0.077815	0.09303	0.041752
-0.03007	0.5169	-0.089	0.0546	0.038341	0.40844	0.097061	0.03601	0.053347
-0.00516	0.91143	0.110904	0.0165	0.053069	0.25239	0.158596	0.00058	0.072543
-0.02189	0.637	0.256622	1.85E-08	0.039021	0.40018	0.122551	0.00802	0.079548
-0.0254	0.58408	0.16476	0.00035	0.033539	0.46965	0.046822	0.31265	0.046956
0.034733	0.45398	0.106917	0.02084	0.04948	0.28595	0.081327	0.07914	0.129534
-0.03548	0.44436	-0.08721	0.05968	0.003813	0.9345	-0.0169	0.71571	-0.01995
0.233617	3.29E-07	0.462938	3.51E-26	0.034793	0.4532	0.079595	0.08576	0.061858
-0.17193	0.00019	-0.02971	0.52193	-0.01068	0.81787	0.073317	0.11359	-0.04058
-0.17764	0.00011	-0.1274	0.00583	-0.01091	0.81413	0.080994	0.08038	-0.02546
-0.15718	0.00065	-0.11778	0.01085	-0.02479	0.59308	0.035807	0.44013	-0.09592
0.059146	0.20201	0.087994	0.05741	0.027296	0.55627	0.097695	0.03481	0.050685
0.394924	7.00E-19	0.321249	1.14E-12	0.030178	0.51534	0.039097	0.39926	0.100522
-0.01541	0.73986	-0.11912	0.00998	0.021408	0.64449	0.023763	0.60849	0.011659
0.035642	0.44224	0.018078	0.6968	0.019294	0.6775	0.037772	0.41543	0.031695
0.093581	0.04325	-0.02744	0.55417	-0.02786	0.54818	-0.03762	0.41729	-0.00559
0.18872	4.06E-05	-0.00337	0.94216	-0.00274	0.95291	-0.06928	0.13493	-0.00667
-0.13056	0.00471	-0.20089	1.22E-05	0.013886	0.76472	0.020961	0.65141	0.034239
0.010648	0.81848	0.350533	6.01E-15	0.038111	0.41127	0.212928	3.44E-06	0.106159
0.073285	0.11374	0.153274	0.00089	0.054503	0.23978	0.169126	0.00024	0.105762
0.104572	0.02382	0.029695	0.52209	0.016495	0.7222	0.01221	0.79242	0.074564
-0.25201	3.38E-08	-0.31683	2.39E-12	0.016617	0.72022	0.080352	0.08282	0.05698
0.152215	0.00097	0.173006	0.00017	0.065793	0.15574	0.109221	0.01822	0.096346
-0.04643	0.31677	-0.15085	0.00108	0.009657	0.83512	0.107309	0.02037	-0.14378
-0.16445	0.00036	-0.35393	3.15E-15	-0.01973	0.6707	-0.03963	0.39287	-0.06795
-0.05345	0.24902	-0.09761	0.03497	0.012289	0.79111	0.024263	0.60097	0.012378
-0.0188	0.68525	-0.06901	0.13648	0.025059	0.58908	0.088199	0.05683	0.052369
-0.0028	0.95192	-0.12409	0.00726	0.043764	0.34534	0.062225	0.17947	0.069381
0.055999	0.2271	0.130165	0.00484	0.064195	0.16606	0.131558	0.0044	0.144112
-0.05825	0.20897	-0.18375	6.49E-05	0.0274	0.55476	-0.00719	0.87684	-0.0245
-0.13134	0.00447	-0.05377	0.24613	0.032594	0.48227	0.054714	0.23796	0.138055
-0.11807	0.01066	-0.06687	0.14904	0.057957	0.21124	0.174947	0.00014	0.152069
-0.07281	0.11611	0.007483	0.87187	0.008789	0.84976	0.015429	0.73947	-0.01232
-0.0897	0.05272	-0.47615	8.42E-28	-0.02422	0.60166	-0.06839	0.14	-0.13829
0.284971	3.56E-10	0.399503	2.54E-19	0.045597	0.32549	0.046733	0.31357	0.188678
0.037434	0.41963	0.099124	0.03222	0.042008	0.36506	0.086815	0.06085	0.093942
-0.09757	0.03504	-0.13754	0.0029	0.085265	0.06562	0.171766	0.00019	0.313301

-0.09204	0.04682	-0.01178	0.79956	0.026455	0.5685	0.050399	0.27708	0.015044
0.058517	0.20685	0.161644	0.00045	0.056302	0.2246	0.1629	0.00041	0.100979
-0.14859	0.00128	-0.20231	1.05E-05	0.018373	0.69209	-0.02565	0.58028	-0.02297
0.098072	0.03411	0.094876	0.04042	-0.0022	0.9622	-0.00897	0.84663	-0.06764
0.035637	0.4423	-0.02529	0.58566	0.002088	0.96411	-0.0152	0.74316	0.057996
-0.09025	0.05128	-0.15886	0.00057	-0.0113	0.80759	0.025489	0.58271	0.017358
0.040405	0.38366	-0.03154	0.49661	-0.01542	0.73958	-0.01231	0.79078	-0.00537
-0.00473	0.91874	-0.04332	0.35021	-0.01527	0.74211	0.00394	0.93233	-0.01976
0.063965	0.16758	0.202229	1.06E-05	0.029873	0.51959	0.060936	0.18867	0.108592
0.07855	0.08997	0.342077	2.89E-14	0.065761	0.15595	0.145262	0.00165	0.132522
0.028587	0.53773	0.006483	0.88887	0.037379	0.42031	0.044126	0.34136	0.111546
0.087511	0.0588	0.020398	0.66017	0.032913	0.47798	0.057753	0.21286	0.077731
0.070673	0.12724	0.00293	0.94964	0.019201	0.67897	-0.04601	0.32111	0.067797
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-0.16347	0.00039	-0.1984	1.57E-05	-0.00863	0.85242	0.020936	0.65179	0.047199
-0.17917	9.90E-05	-0.37139	1.01E-16	0.032643	0.4816	0.065671	0.15651	0.098886
-0.15668	0.00068	-0.41334	1.07E-20	0.009892	0.83117	-0.07998	0.08425	-0.10789
0.039517	0.39421	0.095006	0.04015	0.032025	0.48994	0.069953	0.13117	0.069596
0.077635	0.09379	0.013636	0.76883	0.000652	0.98878	-0.02732	0.55591	0.019968
-0.12786	0.00566	-0.17298	0.00017	0.028437	0.53987	0.042489	0.35959	0.00111
-0.05889	0.204	-0.14484	0.0017	0.064641	0.16313	0.144842	0.0017	0.120957
-0.11714	0.0113	-0.03871	0.4039	0.076602	0.09826	0.109549	0.01788	0.224999
0.157896	0.00062	0.163984	0.00037	0.037743	0.4158	0.038019	0.41239	0.143041
-0.01555	0.73752	-0.09198	0.04697	0.030887	0.50552	0.022034	0.63483	0.066079
-0.03855	0.40589	0.136945	0.00302	0.052955	0.25341	0.098948	0.03253	0.102373
-0.15925	0.00055	0.02298	0.62037	0.04149	0.37101	0.148626	0.00128	0.076794
-0.19808	1.62E-05	-0.32736	3.98E-13	-0.01377	0.76664	-0.04241	0.36043	-0.02899
0.260897	1.05E-08	0.344471	1.86E-14	0.102871	0.02622	0.206069	7.14E-06	0.209807
-0.16372	0.00038	-0.11188	0.01557	-0.01836	0.69234	-0.0312	0.50122	-0.07917
0.06275	0.17582	0.044896	0.333	0.017331	0.70875	0.051843	0.26353	0.117396
0.047036	0.31045	0.134967	0.00348	0.021411	0.64443	0.097523	0.03513	0.129282
0.016376	0.72412	0.187326	4.63E-05	0.006747	0.88438	0.041562	0.37017	-0.02175
-0.04249	0.35961	-0.08444	0.06828	0.020402	0.66012	0.050731	0.27392	0.031781
0.063939	0.16776	0.002538	0.95638	0.000499	0.99142	-0.01142	0.80563	0.023774
0.010067	0.82823	-0.18867	4.07E-05	0.055481	0.23144	0.020811	0.65373	0.142163
-0.13099	0.00458	-0.07355	0.11243	-0.00891	0.84767	0.046057	0.32064	0.038044
0.10353	0.02526	0.09994	0.03082	-0.00857	0.85342	0.018052	0.69721	0.025301
0.007071	0.87888	0.098469	0.03339	-0.04166	0.36907	-0.05531	0.2329	-0.06172
-0.07317	0.1143	-0.08854	0.05589	0.034007	0.46347	0.140072	0.00241	-0.00216
-0.07644	0.09898	-0.05375	0.24632	0.005739	0.90155	0.059646	0.19822	0.095096
0.201637	1.13E-05	0.426999	4.06E-22	0.018196	0.69492	0.094056	0.04219	0.03743
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0.218493	1.87E-06	0.288575	2.08E-10	0.07133	0.12374	-0.00538	0.90774	0.155952
0.351903	4.64E-15	0.410606	2.02E-20	-0.00833	0.85759	0.03692	0.42604	-0.00371
-0.0845	0.06808	-0.11262	0.01489	0.014897	0.74815	0.010522	0.82059	0.011297

0.006021	0.89675	-0.00548	0.90606	-0.03599	0.43781	-0.07534	0.10393	-0.18764
0.100671	0.02961	-0.23121	4.38E-07	0.000962	0.98346	-0.07472	0.10683	-0.06239
0.019168	0.6795	0.13296	0.004	0.040104	0.38721	0.132098	0.00424	0.029523
-0.27736	1.07E-09	-0.46136	5.42E-26	0.014137	0.76059	0.001261	0.97831	0.052951
0.002306	0.96036	0.15906	0.00056	0.004551	0.92186	0.045367	0.32795	0.034715
0.142389	0.00204	0.107381	0.02029	0.026643	0.56576	0.028121	0.54439	0.030779
-0.09751	0.03515	0.09017	0.0515	0.047535	0.30533	0.155784	0.00073	0.146615
0.107045	0.02068	0.155456	0.00075	0.030556	0.51009	-0.03824	0.40963	-0.00088
0.257594	1.63E-08	0.154726	0.00079	0.026291	0.5709	0.071187	0.12449	0.030866
-0.09324	0.04402	-0.09995	0.03081	0.036774	0.42788	0.15389	0.00085	0.025664
-0.04475	0.33461	-0.08146	0.07866	0.051116	0.2703	0.114551	0.01325	0.088683
0.288781	2.02E-10	-0.18887	4.00E-05	1.21E-05	0.99979	-0.06119	0.1868	0.038634
0.072808	0.11612	0.10857	0.01893	-0.00169	0.97096	-0.00152	0.97392	0.002022
0.34212	2.87E-14	0.211849	3.87E-06	0.024251	0.60116	0.034809	0.45299	0.028335
0.089479	0.05332	-0.0347	0.4544	-0.01482	0.74941	-0.04308	0.35297	-0.05896
-0.06935	0.13454	-0.15804	0.00061	0.039208	0.39791	0.058953	0.20348	0.104957
-0.16207	0.00044	0.045429	0.32729	-0.05137	0.26791	-0.01843	0.69123	0.090306
-0.00245	0.95795	-0.02718	0.55791	0.016416	0.72347	0.007617	0.8696	-0.02077
0.22327	1.10E-06	0.330984	2.11E-13	-0.03636	0.43311	-0.07712	0.09601	-0.039
-0.06171	0.18309	-0.00405	0.93039	-0.01391	0.76436	0.019586	0.6729	0.050792
0.073822	0.11111	0.020285	0.66194	0.017854	0.70037	0.013141	0.77701	-0.00885
-0.11239	0.0151	-0.19984	1.35E-05	0.000301	0.99483	0.019191	0.67913	-0.00179
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-0.15813	0.0006	0.126149	0.00634	0.030515	0.51066	0.131092	0.00455	0.009534
0.099652	0.03131	0.177258	0.00012	0.04636	0.31746	0.042894	0.35502	0.156068
-0.08557	0.06466	0.012389	0.78945	0.027548	0.55262	0.024963	0.59051	0.034707
0.240846	1.38E-07	0.112581	0.01493	0.038742	0.40355	-0.01721	0.71067	0.19226
0.264677	6.31E-09	0.325529	5.46E-13	0.01283	0.78214	0.06786	0.14313	0.009081
0.039142	0.39872	-0.0413	0.37315	-0.00661	0.88668	0.053595	0.24771	0.064905
-0.11828	0.01052	-0.02353	0.61197	0.02333	0.61505	0.066429	0.15178	-0.04629
-0.10728	0.02041	-0.30348	2.09E-11	0.007368	0.87383	0.024673	0.59483	0.108211
0.138356	0.00273	0.125741	0.00651	0.049525	0.28551	0.072124	0.1196	0.109298
-0.03949	0.39455	0.003638	0.93751	0.026843	0.56284	0.0593	0.20084	0.083292
0.027282	0.55647	-0.05769	0.21337	0.063447	0.17106	0.081343	0.07908	0.19369
-0.04427	0.33981	-0.10548	0.02262	0.024548	0.59671	0.005862	0.89946	0.096346
0.032744	0.48026	-0.0558	0.22875	0.046986	0.31096	0.076421	0.09905	0.025786
-0.10951	0.01792	-0.23031	4.86E-07	0.013313	0.77416	0.028344	0.5412	-0.07088
0.021827	0.63802	0.042761	0.35652	0.015452	0.7391	0.107803	0.0198	0.117253
0.003282	0.94362	-0.03845	0.40711	0.006814	0.88324	-0.02664	0.56573	0.019289
0.01568	0.7354	-0.02127	0.64657	-0.00013	0.9978	-0.02711	0.55891	0.168348
0.112557	0.01495	0.081976	0.07677	0.003802	0.9347	-0.03201	0.49018	0.01401
0.092898	0.0448	0.124813	0.00692	0.014084	0.76147	0.003866	0.9336	0.000341
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0.124088	0.00726	0.330062	2.49E-13	0.132622	0.00409	0.307657	1.07E-11	0.297884



-0.06146	0.18485	0.003482	0.94018	0.042951	0.35439	0.044594	0.33626	0.175085
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0.116301	0.0119	0.237048	2.18E-07	0.058725	0.20524	0.097104	0.03593	0.230917
0.086537	0.06168	0.155859	0.00073	0.023739	0.60886	0.03044	0.5117	0.041171
0.008766	0.85014	0.14301	0.00195	0.048837	0.29226	0.028061	0.54524	0.07933
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-0.22907	5.62E-07	-0.24982	4.47E-08	0.048534	0.29527	0.020951	0.65156	0.161634
-0.27489	1.53E-09	-0.24839	5.36E-08	0.037872	0.4142	0.051423	0.26742	0.166278
0.01326	0.77504	-0.03329	0.47299	0.075095	0.10507	0.097886	0.03445	0.258596
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0.051175	0.26974	0.131859	0.00431	0.104589	0.0238	0.074367	0.10849	0.267205
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-0.01523	0.7427	0.099838	0.031	0.035754	0.44081	0.028908	0.53318	0.135573
-0.18144	8.04E-05	0.069816	0.13193	0.124098	0.00725	0.170086	0.00022	0.276482
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-0.04775	0.30315	0.041397	0.37208	0.075484	0.10328	0.086254	0.06254	0.197419
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0.027425	0.55439	0.066982	0.14839	0.046621	0.31474	0.042594	0.35841	0.161663
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0.278873	8.65E-10	0.179234	9.84E-05	0.017073	0.71288	-0.04359	0.34722	0.051687
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-0.00563	0.90341	0.091769	0.04748	0.18111	8.29E-05	0.293398	1.00E-10	0.428008
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-0.1874	4.60E-05	-0.06171	0.18314	0.07863	0.08964	0.080543	0.08208	0.205253
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0.039512	0.39427	0.193741	2.49E-05	0.095634	0.03884	0.122845	0.00787	0.252451
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0.108546	0.01896	0.032034	0.48983	-0.02126	0.64672	-0.09226	0.04629	-0.07811
0.14172	0.00214	0.201108	1.19E-05	-0.00427	0.92663	-0.0157	0.73508	-0.10339
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0.033602	0.46882	-0.12476	0.00695	0.000955	0.98357	-0.08399	0.06978	-0.00903
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0.069272	0.13498	0.053341	0.24997	0.091478	0.04819	-0.02095	0.65159	0.102282
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0.396549	4.89E-19	0.071652	0.12204	-0.0085	0.85472	-0.11996	0.00946	-0.1409
0.132027	0.00426	-0.08781	0.05793	-0.00865	0.85207	-0.10066	0.02963	-0.06019
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0.023447	0.61328	-0.04074	0.37977	0.028348	0.54114	0.066945	0.14861	-0.10625
0.066438	0.15172	0.119513	0.00974	-0.03737	0.42046	-0.02587	0.57706	-0.13512
-0.12841	0.00545	-0.14774	0.00137	0.047124	0.30954	0.018842	0.68465	0.076322
-0.17024	0.00022	-0.13195	0.00429	0.049262	0.28807	0.017601	0.70441	-0.00212
0.018741	0.68626	-0.05708	0.21828	0.054102	0.24326	-0.06586	0.15534	0.091609
0.038765	0.40327	-0.22557	8.43E-07	0.009646	0.8353	-0.09126	0.04873	-0.10789
-0.19181	3.01E-05	-0.19533	2.13E-05	-0.04989	0.28201	-0.09866	0.03305	-0.17524
-0.11553	0.01248	-0.11849	0.01038	-0.03896	0.40088	-0.10855	0.01895	-0.13952
-0.11814	0.01061	-0.12063	0.00907	-0.01986	0.66859	-0.11259	0.01492	-0.13435
-0.12172	0.00846	-0.11875	0.01022	-0.01708	0.71285	-0.09916	0.03215	-0.11876
-0.23858	1.81E-07	-0.23143	4.27E-07	0.054507	0.23974	0.065539	0.15735	-0.01136
-0.2664	4.99E-09	-0.23338	3.39E-07	-0.02453	0.59692	-0.09188	0.0472	-0.14352
0.02364	0.61035	-0.0105	0.82092	0.024134	0.60291	-0.06174	0.18289	-0.00452
0.17544	0.00014	0.0687	0.13824	-0.05752	0.21469	-0.11977	0.00958	-0.12652
0.350041	6.59E-15	0.193675	2.51E-05	-0.05538	0.23232	-0.09791	0.03441	-0.07091
0.298534	4.55E-11	0.133372	0.00388	-0.05281	0.2547	-0.09289	0.04481	-0.1122
0.056915	0.21958	-0.0303	0.51369	-0.01531	0.74149	-0.07298	0.11527	-0.08414
-0.06502	0.16064	-0.1081	0.01945	0.036185	0.43531	-0.07612	0.10041	-0.07421
-0.25518	2.24E-08	-0.30905	8.58E-12	0.076208	0.1	0.060859	0.18923	0.004024
-0.00436	0.9252	-0.09511	0.03994	0.025235	0.58647	-0.03735	0.42071	-0.06581
-0.01794	0.69893	-0.03977	0.39118	-0.00329	0.9435	-0.10063	0.02968	-0.09847
0.013593	0.76954	-0.12538	0.00667	-0.03023	0.51456	-0.15118	0.00105	-0.07248

-0.25773	1.60E-08	-0.5179	2.09E-33	-0.04623	0.31877	-0.11667	0.01163	-0.15064
-0.13453	0.00358	-0.20486	8.09E-06	-0.04563	0.32509	-0.07171	0.12172	-0.15012
-0.12266	0.00797	-0.21914	1.74E-06	0.007776	0.8669	-0.11098	0.01642	0.005798
0.192763	2.74E-05	0.264058	6.86E-09	0.009426	0.83902	-0.01639	0.72395	0.03907
0.152434	0.00095	0.145222	0.00165	0.016642	0.71981	0.052178	0.26046	-0.05355
0.005241	0.91007	-0.06708	0.1478	0.160232	0.00051	0.074762	0.10663	0.140041
-0.1353	0.00339	-0.06582	0.15555	-0.07373	0.11157	-0.06031	0.19324	-0.15875
-0.01826	0.69387	-0.00934	0.84041	-0.03965	0.39265	-0.08983	0.05238	-0.05741
0.129192	0.00517	0.049998	0.28092	0.00045	0.99226	-0.01251	0.78752	-0.07376
0.143923	0.00182	0.019188	0.67919	-0.04522	0.32952	-0.14365	0.00186	-0.08667
-0.10858	0.01892	-0.22466	9.36E-07	-0.04064	0.38093	-0.08896	0.05472	-0.18232
-0.05397	0.24437	0.090442	0.05079	-0.02968	0.52236	-0.04526	0.32907	-0.12998
-0.12418	0.00722	-0.09079	0.0499	0.025686	0.5798	0.069945	0.13122	0.112063
0.089614	0.05296	-0.03197	0.49065	-0.03906	0.39975	-0.11327	0.01432	-0.1443
0.125772	0.0065	0.032419	0.48462	0.019796	0.66961	-0.09305	0.04446	-0.01632
0.077641	0.09376	-0.04758	0.30491	-0.00869	0.85146	-0.03638	0.4329	-0.1338
-0.06726	0.14668	-0.10103	0.02904	0.184427	6.09E-05	0.356659	1.87E-15	-0.04308
0.024148	0.6027	-0.02145	0.64385	0.00105	0.98195	-0.0737	0.11171	-0.06015
-0.04529	0.32875	0.199734	1.37E-05	0.110078	0.01733	0.275033	1.50E-09	0.214554
-0.1232	0.00769	-0.10411	0.02446	-0.03969	0.39217	0.022722	0.62429	-0.16913
-0.0739	0.11073	0.136801	0.00305	0.057012	0.21879	0.047916	0.30146	0.164381
-0.07145	0.12312	-0.1349	0.00349	-0.01112	0.8106	-0.0216	0.64158	-0.26431
0.027985	0.54633	-0.00233	0.95993	0.030221	0.51474	-0.07523	0.10443	-0.01647
-0.06291	0.17475	-0.05616	0.22574	-0.02709	0.5592	-0.14566	0.0016	-0.09942
-0.00983	0.83217	0.099703	0.03122	0.038409	0.40761	-0.05142	0.26749	0.031828
0.133272	0.00391	0.014576	0.75339	-0.02993	0.51878	-0.12577	0.0065	-0.03735
-0.09875	0.03289	-0.19031	3.48E-05	-0.00586	0.89947	-0.02948	0.52504	-0.10458
-0.0857	0.06425	-0.11514	0.01278	-0.06452	0.16389	0.068491	0.13944	-0.17021
-0.09641	0.03728	-0.19775	1.67E-05	0.06286	0.17506	-0.03056	0.51006	0.026248
-0.11716	0.01129	-0.17617	0.00013	-0.03387	0.46533	-0.13795	0.00281	-0.13862
0.285561	3.26E-10	0.544407	2.17E-37	0.040786	0.37919	0.084375	0.0685	0.112817
0.281114	6.26E-10	0.111108	0.0163	-0.01852	0.68981	-0.05109	0.27054	-0.00254
0.010656	0.81834	-0.01311	0.77749	0.018972	0.6826	-0.10345	0.02538	-0.04493
-0.10097	0.02913	-0.12607	0.00637	0.008393	0.85645	-0.07866	0.0895	-0.02085
-0.0846	0.06775	-0.13672	0.00307	0.039285	0.39698	-0.06237	0.17846	-0.01444
0.035576	0.44309	-0.04042	0.38352	0.012086	0.79448	-0.07113	0.12482	-0.05934
-0.10768	0.01993	-0.15587	0.00072	-0.04295	0.3544	-0.13047	0.00474	-0.17753
-0.00043	0.99267	0.032251	0.48689	0.007317	0.87468	-0.11682	0.01152	-0.0657
0.146118	0.00154	0.1613	0.00047	0.008137	0.86079	0.019654	0.67183	-0.09355
0.010884	0.81453	0.079584	0.08581	0.018054	0.69717	0.053153	0.25164	0.07138
-0.06277	0.1757	-0.23956	1.61E-07	-0.04468	0.33538	-0.14329	0.00191	-0.03478
-0.12225	0.00818	-0.1571	0.00066	0.047302	0.30771	-0.11256	0.01495	0.132901
-0.05019	0.2791	-0.00859	0.85305	0.061999	0.18106	0.06485	0.16177	0.029864
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-0.08436	0.06853	-0.10225	0.02715	0.001005	0.98272	-0.04126	0.37372	-0.13041

-0.14086	0.00228	-0.25665	1.84E-08	-0.00605	0.89632	-0.0242	0.60187	-0.08824
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0.333089	1.46E-13	0.058848	0.2043	-0.03744	0.4196	-0.32891	3.04E-13	-0.29938
-0.22226	1.23E-06	-0.03902	0.40023	0.059988	0.19565	0.283144	4.65E-10	0.018011
0.010345	0.82356	0.17139	0.0002	0.116641	0.01165	0.38707	3.85E-18	0.058546
0.043026	0.35355	0.052899	0.25392	0.02503	0.58952	-0.00569	0.90233	-0.05428
0.260159	1.16E-08	0.175407	0.00014	0.048621	0.2944	-0.04987	0.28212	0.148063
-0.00117	0.9799	-0.07314	0.11446	0.002308	0.96033	-0.09812	0.03402	-0.09062
-0.08466	0.06757	-0.12718	0.00592	0.020878	0.6527	-0.02251	0.62749	-0.06756
-0.14177	0.00213	-0.1145	0.01329	0.00312	0.94638	-0.09824	0.0338	-0.0834
0.135606	0.00332	0.255598	2.12E-08	-0.03046	0.51139	-0.01781	0.70102	-0.03731
0.030411	0.5121	0.276641	1.19E-09	0.00958	0.83643	0.028448	0.53972	0.015656
0.061263	0.1863	-0.18851	4.14E-05	-0.00221	0.96202	-0.05253	0.25722	-0.09868
0.08485	0.06695	0.084792	0.06714	-0.00366	0.93708	-0.05124	0.26914	-0.01557
0.081852	0.07722	0.078292	0.09103	-0.01025	0.82508	-0.0671	0.14768	-0.017
0.06797	0.14248	0.032527	0.48317	-0.03288	0.47844	-0.10387	0.02479	-0.0878
0.123387	0.0076	-0.00352	0.93953	0.042296	0.36177	-0.00586	0.89949	-0.04983
0.064698	0.16276	0.12849	0.00542	0.001932	0.96679	-0.01048	0.82135	0.021591
0.100667	0.02962	0.067693	0.14412	0.055945	0.22755	0.04822	0.29841	-0.00344
0.128128	0.00556	0.133202	0.00393	0.009008	0.84607	-0.02251	0.62747	0.001202
0.097548	0.03508	0.104711	0.02364	-0.00787	0.86526	-0.04103	0.37631	-0.03145
0.090874	0.04969	0.108077	0.01948	-0.00264	0.95462	-0.02347	0.61286	-0.02014
-0.02118	0.64798	0.112378	0.01511	-0.01525	0.74244	-0.04005	0.38784	-0.14439
-0.09864	0.03307	-0.12358	0.0075	0.027589	0.55203	0.005989	0.8973	-0.09054
0.002971	0.94894	-0.0213	0.64614	0.004628	0.92055	-0.06908	0.13605	0.054343
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0.156949	0.00066	0.088645	0.05558	-0.02899	0.53201	-0.15322	0.00089	-0.11053
0.083129	0.0727	-0.00966	0.8351	0.057073	0.2183	0.178633	0.0001	-0.10162
-0.14862	0.00128	-0.06755	0.14494	0.017824	0.70085	-0.03791	0.41376	-0.13798
0.009148	0.8437	0.046722	0.31369	0.020194	0.66337	-0.0653	0.15885	-0.07512
0.03039	0.51239	-0.05654	0.22263	-0.00184	0.96844	-0.02393	0.60603	-0.0465
-0.17662	0.00012	-0.37031	1.26E-16	0.055271	0.23322	0.04588	0.32249	-0.09839
0.076834	0.09724	-0.02343	0.61351	0.011797	0.7993	-0.02468	0.59473	-0.09851
0.132831	0.00403	-0.18866	4.08E-05	-0.05221	0.2602	-0.1313	0.00448	-0.32749
0.105212	0.02297	0.051747	0.26442	-0.0152	0.74325	-0.13391	0.00374	-0.10604
0.124989	0.00684	0.059639	0.19827	-0.00709	0.87852	-0.10439	0.02407	-0.09251
0.015552	0.73748	-0.00077	0.98674	0.002398	0.95877	-0.09001	0.0519	-0.08746
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0.088126	0.05704	-0.12717	0.00592	-0.03238	0.4851	-0.20373	9.10E-06	-0.06894
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0.006895	0.88186	-0.04187	0.36669	0.020234	0.66273	-0.12111	0.00879	-0.02262
0.078919	0.08847	0.061636	0.18363	0.015205	0.74313	-0.1035	0.02531	-0.04989
0.084336	0.06863	-0.00447	0.92325	-0.01464	0.75233	-0.10524	0.02294	-0.11001

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0.050198	0.279	-0.00984	0.83198	0.085436	0.06508	0.019163	0.67958	0.086522
0.075528	0.10307	0.015315	0.74133	0.037869	0.41424	-0.03939	0.39575	-0.03485
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-0.16844	0.00026	-0.18981	3.65E-05	0.010533	0.82042	-0.05138	0.26779	-0.06121
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0.014836	0.74914	-0.06221	0.17961	0.034013	0.46339	-0.07261	0.11714	-0.0362
0.076999	0.09652	0.060652	0.19074	-0.03887	0.40202	-0.12927	0.00514	-0.07914
0.063486	0.17079	0.004636	0.92041	-0.02245	0.62849	-0.1392	0.00257	-0.0884
0.057148	0.21769	-0.02584	0.57749	-0.04178	0.36762	-0.13194	0.00429	-0.17761
0.094873	0.04043	-0.06457	0.16361	-0.01918	0.67935	-0.15679	0.00067	-0.08653
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0.080264	0.08315	0.11401	0.01369	0.020763	0.65448	0.054374	0.24089	-0.02147
0.100109	0.03054	0.071022	0.12537	0.014886	0.74833	0.055675	0.22981	-0.09267
0.049922	0.28166	0.031488	0.49726	-0.01157	0.80315	-5.29E-05	0.99909	-0.11269
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0.088546	0.05586	0.079795	0.08498	0.072714	0.11659	0.006039	0.89644	0.033388
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0.006544	0.88785	0.081447	0.0787	0.008018	0.86281	-0.05519	0.23386	-0.00078
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0.061131	0.18725	0.106941	0.02081	0.000231	0.99602	-0.04255	0.3589	0.026227
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-0.05788	0.21184	-0.04994	0.28151	-0.05006	0.28037	-0.16944	0.00023	-0.04433
-0.04953	0.28543	-0.11238	0.01511	-0.03519	0.44805	-0.11752	0.01103	-0.14679
-0.04187	0.36662	0.010894	0.81437	-0.02117	0.64812	-0.03387	0.46531	-0.1545
-0.20492	8.05E-06	-0.25781	1.58E-08	0.015522	0.73796	0.083931	0.06997	-0.14061
0.117602	0.01098	0.324238	6.82E-13	-0.00954	0.83704	-0.02069	0.65555	0.061342
0.102415	0.02689	-0.01369	0.76798	0.044829	0.33372	-0.10384	0.02483	0.045929
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0.17187	0.00019	0.011303	0.80753	-0.02382	0.60766	-0.13647	0.00313	-0.07501
0.269433	3.29E-09	0.052969	0.25329	-0.04477	0.3344	-0.10875	0.01874	-0.04274
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0.275369	1.43E-09	0.107632	0.01999	-0.01679	0.7175	-0.11969	0.00963	-0.0519
0.166412	0.0003	0.248638	5.20E-08	0.019124	0.68019	0.029782	0.52087	-0.06596
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-0.09406	0.04217	-0.01094	0.81361	-0.02985	0.51987	-0.0364	0.43259	-0.10869
-0.06325	0.17236	-0.15394	0.00085	-0.02247	0.62819	0.027383	0.555	-0.21159
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0.198962	1.48E-05	0.199082	1.46E-05	-0.01944	0.67513	0.043297	0.35052	-0.03962
-0.13903	0.0026	-0.31344	4.19E-12	-0.02976	0.52113	-0.14895	0.00125	-0.13532
0.250777	3.96E-08	0.132081	0.00425	-0.04457	0.33652	-0.13299	0.00399	-0.20914
0.017148	0.71167	-0.09587	0.03835	0.012025	0.7955	-0.04532	0.32844	-0.01967
0.017927	0.69919	-0.01513	0.74434	0.00362	0.93781	-0.05692	0.21953	0.026847
-0.2346	2.93E-07	-0.30254	2.43E-11	-0.01631	0.72522	-0.01592	0.73146	-0.17263
-0.20594	7.23E-06	-0.25303	2.96E-08	-0.0324	0.48489	-0.15242	0.00095	-0.14358
-0.06039	0.19265	-0.04323	0.35125	0.056092	0.22633	0.05318	0.2514	0.04723
-0.10272	0.02644	-0.23226	3.87E-07	-0.01123	0.8087	-0.07221	0.11918	-0.16825
-0.11417	0.01356	-0.15303	0.00091	0.059235	0.20133	0.086155	0.06284	-0.04498
0.10967	0.01775	0.053526	0.24832	0.093647	0.0431	0.037449	0.41945	0.05899
0.099232	0.03204	0.147689	0.00137	-0.01048	0.82129	-0.03555	0.44349	0.061838
-0.08183	0.07731	-0.04367	0.34636	-0.05155	0.26623	-0.10532	0.02283	-0.03362
0.122538	0.00803	-0.0584	0.20779	0.042353	0.36113	0.059149	0.20198	0.023075
0.334992	1.04E-13	0.281876	5.60E-10	-0.02795	0.54684	-0.14919	0.00122	-0.11402
-0.04806	0.30001	-0.0189	0.68372	0.042444	0.3601	-0.02342	0.61374	-0.02642
-0.1704	0.00022	-0.29691	5.86E-11	-0.03429	0.4597	-0.15297	0.00091	-0.20193
-0.03199	0.49047	-0.10815	0.0194	0.062178	0.1798	-0.05036	0.27743	0.033551
-0.09116	0.04897	-0.02777	0.54939	0.123766	0.00741	0.109092	0.01836	0.037957
-0.00011	0.99808	-0.08761	0.05852	0.006177	0.89409	-0.08066	0.08166	-0.08928
0.058673	0.20564	-0.02687	0.5624	-0.02166	0.64052	-0.06977	0.13219	-0.05947
-0.09572	0.03867	-0.16181	0.00045	-0.00438	0.92483	-0.10504	0.02319	-0.08307
-0.08503	0.06637	-0.11452	0.01328	-0.05429	0.24164	-0.12831	0.00549	-0.05735
-0.01537	0.74039	-0.07421	0.10924	0.004264	0.92678	-0.0942	0.04188	-0.0581
-0.10016	0.03045	-0.19647	1.90E-05	0.070829	0.1264	-0.02143	0.64419	0.028094
-0.04918	0.28887	-0.02694	0.56145	0.008848	0.84876	-0.0773	0.09523	-0.04805
-0.06056	0.19144	-0.09792	0.03439	0.052294	0.2594	0.041025	0.3764	-0.07929
-0.10909	0.01836	-0.2137	3.17E-06	-0.03809	0.41153	-0.1376	0.00289	-0.19051
-0.10177	0.02787	-0.21031	4.56E-06	-0.01307	0.77822	-0.08393	0.06998	-0.07402
0.121948	0.00834	0.039729	0.39167	-0.02935	0.5269	-0.06395	0.16765	-0.13437
-0.02949	0.52491	-0.22718	7.00E-07	-0.01242	0.78897	-0.15077	0.00108	-0.09719
-0.08357	0.0712	-0.1855	5.51E-05	-0.06559	0.15702	-0.13985	0.00245	-0.18416
-0.07707	0.09622	-0.02827	0.5423	-0.00011	0.99819	-0.07342	0.11308	-0.02133
0.06627	0.15276	0.075785	0.10191	0.037947	0.41328	-0.02064	0.65642	-0.04726
-0.36737	2.28E-16	-0.34166	3.12E-14	0.024971	0.59039	0.092814	0.045	-0.07284
0.05745	0.21527	0.061637	0.18362	0.010774	0.81638	-0.07873	0.08924	-0.02652
0.086957	0.06042	-0.07076	0.12675	-0.03999	0.38858	-0.10209	0.02739	-0.12588
0.054018	0.24399	0.360936	8.14E-16	-0.00453	0.92221	0.163259	0.0004	-0.07969
0.05974	0.19751	0.051941	0.26263	0.050093	0.28001	-0.04473	0.33479	0.054301
0.114427	0.01335	0.08719	0.05974	-0.01753	0.70558	-0.05187	0.26331	-0.04275
0.021737	0.63941	-0.10119	0.02878	-0.05851	0.20688	-0.14997	0.00115	-0.17003
0.147457	0.0014	0.052574	0.25685	0.018243	0.69416	-0.08553	0.06477	0.046579

-0.1176	0.01098	-0.09254	0.04564	-0.02017	0.66372	0.007955	0.86387	-0.12457
-0.10616	0.02176	-0.13527	0.0034	-0.02609	0.5738	-0.11085	0.01655	-0.06705
-0.1123	0.01518	-0.27093	2.67E-09	-0.01655	0.72127	-0.15061	0.0011	-0.19544
-0.22676	7.35E-07	-0.2212	1.38E-06	-0.01248	0.78798	-0.11999	0.00945	-0.13262
-0.12602	0.0064	-0.28156	5.86E-10	0.005997	0.89716	-0.07416	0.10947	-0.04281
-0.06752	0.14517	-0.12968	0.005	0.029113	0.53028	0.038708	0.40397	-0.01123
0.079508	0.08611	0.00111	0.98092	-0.00584	0.89984	-0.13144	0.00444	-0.06892
0.144605	0.00173	0.210657	4.40E-06	-0.04213	0.36363	-0.06051	0.19178	-0.08819
-0.01042	0.82233	-0.05719	0.21738	0.006577	0.88729	-0.10678	0.021	-0.0247
-0.12818	0.00554	-0.01915	0.67972	-0.01956	0.67331	-0.04388	0.34401	0.037459
0.180004	9.17E-05	0.291297	1.38E-10	0.031032	0.50352	0.062964	0.17435	0.058769
0.177392	0.00012	0.085075	0.06623	0.007271	0.87548	-0.11858	0.01032	-0.05272
0.255094	2.26E-08	0.090395	0.05091	0.019413	0.67563	-0.09623	0.03763	0.001906
-0.18073	8.58E-05	-0.14025	0.00238	0.041661	0.36903	-0.02383	0.60742	0.055006
0.105059	0.02317	0.061665	0.18342	0.001044	0.98205	0.015152	0.74398	-0.15398
-0.02688	0.56234	-0.01961	0.67246	-0.01023	0.82543	-0.12749	0.0058	-0.0719
0.021596	0.64158	-0.01528	0.74195	-0.05351	0.24848	-0.13103	0.00456	-0.1449
-0.17246	0.00018	-0.40142	1.65E-19	0.010101	0.82766	0.049647	0.28432	-0.19838
-0.13915	0.00258	-0.11507	0.01284	-0.02651	0.56775	-0.11709	0.01133	-0.05924
-0.09543	0.03926	-0.18412	6.27E-05	0.002835	0.95128	-0.06448	0.16417	-0.16941
0.115297	0.01266	-0.02957	0.52382	0.060134	0.19457	-0.06341	0.1713	0.067075
-0.14998	0.00115	-0.11379	0.01388	-0.03722	0.4223	0.000236	0.99595	-0.08808
-0.05297	0.25332	-0.14696	0.00145	0.007042	0.87937	-0.09915	0.03218	-0.04291
-0.07495	0.10573	-0.28837	2.15E-10	-0.0324	0.48482	-0.08721	0.05967	-0.23013
0.060322	0.19317	-0.19498	2.20E-05	-0.02847	0.53937	-0.06463	0.16323	-0.03308
-0.02538	0.58438	-0.07873	0.08924	-0.06275	0.1758	-0.11036	0.01704	-0.10988
0.191827	3.00E-05	0.020638	0.65644	0.005376	0.90776	-0.02758	0.55213	0.097878
0.080395	0.08265	0.177704	0.00011	-0.00694	0.88106	0.005805	0.90043	0.066431
0.114897	0.01297	-0.11476	0.01308	-0.02762	0.55161	-0.10287	0.02622	-0.05567
0.168078	0.00026	0.059788	0.19715	-0.05667	0.22156	-0.10908	0.01838	-0.00549
0.200565	1.26E-05	0.181496	8.00E-05	-0.06606	0.15405	-0.13706	0.003	-0.05974
0.06256	0.17713	0.001621	0.97213	-0.05463	0.23873	-0.08978	0.05252	-0.06151
0.109558	0.01787	-0.04629	0.31819	-0.0633	0.17203	-0.15263	0.00094	-0.05489
0.105233	0.02295	0.00165	0.97164	-0.01888	0.68404	-0.08445	0.06824	0.015083
0.127134	0.00594	0.126751	0.00609	-0.00853	0.85417	-0.07043	0.12858	0.028005
0.064585	0.1635	-0.17552	0.00014	-0.06789	0.14298	-0.13329	0.00391	-0.07604
0.087736	0.05815	0.093594	0.04322	0.019824	0.66917	0.095193	0.03975	0.152278
0.282756	4.93E-10	0.161623	0.00045	-0.01626	0.72599	0.020371	0.6606	0.125948
0.341659	3.12E-14	0.161836	0.00045	-0.02211	0.63359	-0.08925	0.05392	0.016533
0.214968	2.76E-06	0.207006	6.47E-06	-0.0426	0.3583	-0.13313	0.00395	-0.05592
-0.01	0.82941	-0.0411	0.37554	-0.0479	0.30167	-0.04841	0.29651	0.02164
0.189826	3.65E-05	-0.00882	0.84916	-0.07636	0.09931	-0.14158	0.00216	-0.09572
0.20464	8.28E-06	0.040444	0.3832	-0.01911	0.68045	-0.09236	0.04605	-0.06144
0.223402	1.08E-06	-0.22168	1.31E-06	-0.0858	0.06395	-0.13378	0.00378	-0.16074
0.022521	0.62736	-0.15451	0.00081	-0.07077	0.12674	-0.13326	0.00391	-0.04628



0.348562	8.70E-15	0.176478	0.00013	-0.00154	0.9735	0.002064	0.96451	0.082661
0.102088	0.02738	-0.06664	0.1505	-0.03446	0.4575	-0.08988	0.05226	-0.03679
0.07471	0.10687	-0.04202	0.36494	0.006347	0.8912	0.030845	0.50609	0.127557
0.244762	8.47E-08	0.162434	0.00042	0.003682	0.93676	0.007383	0.87357	0.113268
0.128129	0.00556	-0.00653	0.88812	-0.02794	0.54694	-0.02302	0.61982	-0.03692
0.122215	0.0082	-0.03352	0.46989	-0.05308	0.25231	-0.05523	0.23359	-0.13315
0.222374	1.21E-06	0.003936	0.9324	-0.04737	0.30702	-0.06473	0.16257	-0.00052
0.05975	0.19743	-0.17642	0.00013	-0.06138	0.18543	-0.1395	0.00252	0.021739
0.220177	1.55E-06	-0.16476	0.00035	-0.09169	0.04767	-0.19337	2.58E-05	-0.11122
0.123423	0.00758	0.148963	0.00124	-0.00352	0.93949	-0.02665	0.56568	-0.00351
0.061403	0.1853	0.010756	0.81667	-0.00341	0.9414	0.001309	0.97749	0.035614
0.28016	7.19E-10	-0.0306	0.50949	-0.06652	0.15124	-0.18909	3.91E-05	-0.15766
0.216708	2.28E-06	-0.0488	0.29265	-0.08663	0.06139	-0.17378	0.00016	-0.09494
0.085317	0.06545	-0.05495	0.23596	-0.04316	0.35209	-0.08251	0.07486	-0.02696
0.176964	0.00012	0.150998	0.00106	-0.02402	0.60464	-0.11878	0.01019	0.002269
0.206061	7.14E-06	0.168771	0.00025	-0.05968	0.19793	-0.15201	0.00098	-0.01359
0.135414	0.00337	-0.02368	0.60968	-0.00855	0.85376	-0.09892	0.03258	0.06188
0.180824	8.51E-05	-0.1348	0.00352	-0.04423	0.34019	-0.12024	0.0093	-0.08644
-0.05027	0.27834	-0.08729	0.05943	-0.07767	0.09365	-0.0605	0.19184	-0.00207
0.114496	0.01329	-0.09628	0.03754	-0.0783	0.09098	-0.13678	0.00306	-0.08088
-0.07745	0.09457	-0.05698	0.21908	-0.01961	0.67251	0.0485	0.29561	0.05656
-0.08244	0.07509	-0.43082	1.58E-22	-0.07205	0.11997	-0.19445	2.32E-05	-0.11004
-0.02197	0.63576	-0.06806	0.14195	-0.02961	0.52321	-0.09927	0.03197	-0.00021
0.032946	0.47755	-0.08163	0.07803	-0.04154	0.37043	-0.10136	0.02852	0.009427
0.313241	4.33E-12	0.123011	0.00778	0.025793	0.57821	0.009814	0.83248	0.102346
0.070488	0.12824	0.044605	0.33614	-0.02959	0.52362	-0.0638	0.16871	-0.01608
0.103224	0.0257	0.163123	0.0004	0.027929	0.54714	0.060617	0.191	0.151321
0.009147	0.84372	-0.1522	0.00097	-0.07971	0.08533	-0.17331	0.00017	-0.08967
-0.02664	0.56586	-0.16689	0.00029	-0.01626	0.72591	-0.02668	0.56525	-0.05989
0.075616	0.10267	-0.00938	0.83973	-0.02962	0.52308	-0.03015	0.51569	0.104794
0.070726	0.12695	0.159083	0.00056	-0.04224	0.36238	-0.08314	0.07265	-0.01274
0.133173	0.00394	-0.01214	0.7936	-0.05927	0.20105	-0.1993	1.43E-05	-0.00521
0.234427	2.99E-07	-0.08836	0.05639	-0.05785	0.21209	-0.15149	0.00102	-0.0991
0.087926	0.05761	-0.04639	0.31715	-0.02887	0.5337	-0.02523	0.58649	-0.03354
0.045045	0.33139	0.042076	0.36428	-0.0451	0.33085	-0.09308	0.04438	-0.05296
0.17797	0.00011	-0.08093	0.08063	-0.04516	0.33013	-0.12176	0.00844	-0.1229
0.093972	0.04238	-0.01379	0.76622	-0.05494	0.23603	-0.1066	0.02122	-0.05111
0.109106	0.01835	-0.06948	0.13381	-0.07829	0.09106	-0.17078	0.00021	-0.07048
0.215874	2.50E-06	0.123747	0.00742	-0.01687	0.71615	-0.01757	0.70484	0.00033
0.022199	0.63229	0.03031	0.5135	0.001563	0.97313	0.046523	0.31576	0.031444
0.24331	1.01E-07	-0.03421	0.46084	-0.06141	0.18523	-0.14542	0.00163	-0.09824
0.218143	1.95E-06	0.122856	0.00786	-0.02355	0.61168	-0.01982	0.66927	-0.00577
0.163169	0.0004	-0.05628	0.22474	-0.02478	0.59324	-0.11045	0.01695	-0.06318
-0.03878	0.40307	-0.2806	6.74E-10	-0.07696	0.0967	-0.10836	0.01916	-0.07158
0.200279	1.30E-05	0.02024	0.66265	-0.02757	0.55228	-0.02172	0.6397	-0.00521

-0.01312	0.77738	-0.13726	0.00296	-0.03911	0.39908	-0.03759	0.41768	-0.07611
0.079704	0.08533	-0.10669	0.02111	-0.03619	0.4352	-0.05812	0.20996	-0.02506
0.170048	0.00022	-0.01904	0.68159	-0.03597	0.43801	-0.1291	0.00521	-0.01717
0.129443	0.00509	0.123945	0.00733	-0.00334	0.94254	0.019751	0.67031	0.108665
0.110988	0.01642	0.179694	9.44E-05	-0.03006	0.51704	-0.01795	0.69886	0.045392
-0.03301	0.47675	0.102235	0.02716	0.005165	0.91137	0.063485	0.17081	0.117825
0.026474	0.56821	-0.22688	7.25E-07	-0.01991	0.6678	-0.11106	0.01635	0.078719
0.151211	0.00105	0.189919	3.61E-05	-0.03618	0.43544	-0.05175	0.26437	-0.0219
0.21231	3.68E-06	0.005976	0.89751	0.08937	0.05361	-0.05035	0.27759	0.22392
0.178815	0.0001	0.002429	0.95824	-0.0914	0.04837	-0.15387	0.00085	-0.12911
0.220778	1.45E-06	0.321972	1.00E-12	-0.02071	0.65539	-0.00899	0.84632	0.010498
-0.06295	0.17443	-0.08948	0.05332	-0.07176	0.12149	-0.0865	0.06179	-0.10431
0.029788	0.52078	-0.22596	8.06E-07	-0.05009	0.28002	-0.11872	0.01023	-0.05853
-0.06605	0.15416	-0.31309	4.43E-12	-0.0386	0.40523	-0.11831	0.0105	-0.07002
0.090076	0.05174	-0.02369	0.6096	-0.0125	0.78763	-0.0697	0.13259	0.053991
-0.07118	0.12454	-0.16954	0.00023	-0.07376	0.11143	-0.10927	0.01817	-0.03817
0.066723	0.14997	0.080235	0.08327	-0.03626	0.43437	-0.06629	0.15264	0.062639
0.139841	0.00246	-0.02406	0.60395	-0.0615	0.18458	-0.06814	0.14148	-0.13047
0.042144	0.3635	-0.15784	0.00062	-0.05541	0.23206	-0.08011	0.08374	-0.09013
0.206799	6.61E-06	0.0711	0.12495	-0.01271	0.78412	-0.09346	0.04353	-0.03482
0.179825	9.32E-05	0.250466	4.12E-08	-0.01444	0.75567	-0.03504	0.44999	0.056384
0.05183	0.26365	-0.25609	1.99E-08	-0.07412	0.10967	-0.17759	0.00011	-0.15102
0.046913	0.31171	0.038256	0.40948	-0.02493	0.59095	-0.09302	0.04452	-0.05827
0.230275	4.89E-07	0.025927	0.57625	-0.02776	0.54951	-0.04714	0.30938	0.073307
0.136913	0.00303	0.183289	6.77E-05	-0.05009	0.28004	-0.10189	0.02768	0.032758
0.085492	0.0649	-0.12854	0.00541	0.008978	0.84657	-0.08003	0.08405	-0.00329
-0.07256	0.11735	-0.23892	1.74E-07	-0.03136	0.49895	-0.08352	0.07136	-0.06223
0.063002	0.17409	-0.03316	0.47463	0.002267	0.96103	0.011358	0.80662	-0.04122
-0.00122	0.97903	-0.06385	0.16835	-0.05293	0.25364	-0.11374	0.01392	-0.02888
0.161925	0.00044	0.035948	0.43833	-0.00214	0.96314	-0.01927	0.67781	0.032182
0.051309	0.26849	-0.11896	0.01009	-0.04094	0.37733	-0.10057	0.02978	-0.02055
0.041028	0.37636	-0.33028	2.39E-13	-0.07	0.13089	-0.18038	8.86E-05	-0.07819
0.063038	0.17384	0.117735	0.01089	-0.02057	0.65748	-0.03787	0.41418	0.085334
0.11656	0.01171	0.075475	0.10332	0.020145	0.66413	0.000383	0.99342	-0.00364
0.191133	3.21E-05	0.008261	0.85868	-0.02573	0.57915	-0.0902	0.05141	0.05685
0.110391	0.01701	-0.06363	0.16982	-0.02681	0.56336	-0.10047	0.02995	-0.01047
0.066602	0.15071	-0.04091	0.37774	-0.04249	0.35953	-0.08931	0.05377	0.01703
0.150071	0.00114	0.180839	8.50E-05	-0.02755	0.55264	-0.03929	0.39689	-0.04207
0.190231	3.51E-05	0.365653	3.21E-16	0.003503	0.93982	0.083708	0.07072	0.137072
-0.06174	0.18292	-0.1249	0.00688	-0.03518	0.44814	-0.08466	0.06756	-0.02924
0.036082	0.43663	-0.0847	0.06745	-0.05027	0.27836	-0.07423	0.10913	0.021118
0.117902	0.01077	-0.04626	0.31847	-0.02372	0.60916	-0.04484	0.33359	-0.04547
0.199584	1.39E-05	0.096266	0.03756	-0.01441	0.75618	-0.02149	0.64319	-0.07718
-0.02549	0.58272	-0.22475	9.26E-07	-0.10395	0.02467	-0.16858	0.00025	-0.21038
0.119625	0.00967	0.291251	1.39E-10	-0.01594	0.73123	-0.01353	0.77051	0.093251

0.140645	0.00232	-0.00657	0.88747	-0.02371	0.60923	-0.05284	0.25443	-0.07209
0.00164	0.97181	-0.15103	0.00106	-0.03678	0.42777	-0.01596	0.73091	-0.00723
0.157636	0.00063	-0.10359	0.02517	-0.05432	0.24139	-0.12936	0.00511	-0.10651
0.041497	0.37093	-0.12551	0.00661	-0.01242	0.78891	-0.01096	0.81331	-0.02481
0.003701	0.93643	-0.18503	5.75E-05	-0.04157	0.37014	-0.06385	0.16837	-0.03188
0.145831	0.00158	0.159512	0.00054	-0.04433	0.33917	-0.0881	0.05711	-0.05345
0.329784	2.61E-13	0.007426	0.87284	-0.06494	0.16116	-0.1632	0.0004	-0.11142
0.037777	0.41538	-0.13434	0.00363	-0.06959	0.13321	-0.12051	0.00914	-0.05533
0.213559	3.22E-06	0.209657	4.89E-06	-0.05612	0.2261	-0.10764	0.01999	0.000121
0.146873	0.00146	0.106672	0.02113	-0.02052	0.65828	-0.05579	0.22885	0.022636
0.296317	6.42E-11	0.331666	1.87E-13	-0.04001	0.38838	-0.07189	0.1208	0.006219
0.030923	0.50501	-0.08482	0.06703	-0.05838	0.20795	-0.08849	0.05601	-0.04226
0.063581	0.17016	-0.1272	0.00591	-0.07689	0.09698	-0.11334	0.01426	-0.10686
0.00603	0.8966	-0.00445	0.92362	-0.00399	0.9315	-0.00471	0.91912	0.034455
0.124447	0.00709	0.224678	9.34E-07	-0.02449	0.59759	-0.05714	0.2178	0.03056
0.158873	0.00057	0.277149	1.11E-09	-0.00848	0.85492	-0.04841	0.2965	0.002746
-0.01539	0.74007	-0.12998	0.0049	-0.03102	0.50368	-0.10059	0.02974	-0.04647
0.305322	1.56E-11	0.168086	0.00026	-0.07176	0.12147	-0.12543	0.00665	-0.08212
0.162293	0.00043	-0.02719	0.55777	-0.00732	0.87462	-0.12518	0.00676	0.026365
0.039649	0.39263	-0.1901	3.55E-05	-0.04571	0.32426	-0.11823	0.01055	0.011255
0.048844	0.29219	-0.17695	0.00012	-0.02695	0.56122	-0.07503	0.10538	-0.11244
0.085896	0.06364	0.129632	0.00502	-0.00707	0.87886	-0.03343	0.47112	0.02136
0.157598	0.00063	0.204946	8.02E-06	0.038631	0.4049	0.061647	0.18355	0.187843
-0.04244	0.36016	-0.25932	1.30E-08	-0.05187	0.26331	-0.06439	0.16477	-0.06551
0.088724	0.05537	-0.05361	0.24761	0.007507	0.87146	0.009975	0.82978	0.058247
0.222962	1.13E-06	0.191841	3.00E-05	-0.02961	0.52328	-0.07777	0.09323	-0.00234
0.026877	0.56235	-0.08633	0.0623	-0.05769	0.21335	-0.0378	0.41515	-0.12386
0.01229	0.79109	-0.11364	0.01401	-0.01747	0.70655	-0.14307	0.00194	-0.00266
0.16687	0.00029	-0.09432	0.04162	-0.03821	0.40999	-0.06619	0.15323	-0.11328
0.148266	0.00131	0.055628	0.2302	-0.0755	0.1032	-0.17717	0.00012	-0.07443
0.089646	0.05287	-0.0444	0.33835	-0.05146	0.26711	-0.09081	0.04986	0.052078
0.141892	0.00211	0.148619	0.00128	-0.05265	0.25619	-0.08894	0.05478	-0.02615
0.050341	0.27763	-0.10817	0.01938	-0.04114	0.3751	-0.14773	0.00137	0.002989
0.052951	0.25345	-0.16477	0.00035	-0.0555	0.23131	-0.1029	0.02617	-0.01504
0.051727	0.26461	-0.00015	0.99735	-0.06135	0.18571	-0.12984	0.00495	-0.10248
0.132636	0.00409	-0.04929	0.2878	-0.02709	0.55923	-0.01741	0.70753	-0.12741
0.073721	0.11161	-0.16957	0.00023	-0.05973	0.19761	-0.15238	0.00096	0.000578
-0.03308	0.4758	-0.02033	0.66122	0.410295	2.18E-20	0.39777	3.73E-19	0.174168
0.002489	0.95722	0.142555	0.00201	0.507485	6.18E-32	0.594221	6.49E-46	0.2666
0.072622	0.11706	-0.01377	0.76655	0.765399	4.74E-91	0.172449	0.00018	0.169917
-0.02846	0.53954	0.143862	0.00183	0.555173	4.12E-39	0.376597	3.49E-17	0.361085
-0.02263	0.62577	-0.02875	0.53544	0.591396	2.17E-45	0.431073	1.48E-22	0.255961
-0.10351	0.0253	-0.00687	0.88223	0.547455	7.16E-38	0.572249	5.65E-42	0.189276
-0.01857	0.68892	0.071726	0.12166	0.806678	#####	0.446259	3.10E-24	0.294083
-0.01477	0.75027	0.088846	0.05503	0.925133	#####	0.475701	9.59E-28	0.416215

-0.04295	0.35435	-0.02442	0.59856	0.778035	6.29E-96	0.464902	2.04E-26	0.38103
-0.06353	0.1705	0.081501	0.0785	0.7432	3.47E-83	0.576125	1.20E-42	0.545103
-0.03384	0.46562	0.00762	0.86954	0.325945	5.08E-13	0.356544	1.91E-15	0.37589
0.012322	0.79057	0.072879	0.11576	0.620765	4.26E-51	0.509642	3.09E-32	0.294589
-0.0352	0.44788	0.030804	0.50665	0.54414	2.39E-37	0.453959	4.03E-25	0.523556
-0.02518	0.58725	0.056674	0.22154	0.804757	#####	0.462241	4.25E-26	0.346573
-0.10593	0.02206	0.052396	0.25846	0.410239	2.20E-20	0.366891	2.51E-16	0.458429
-0.06533	0.15869	-0.01597	0.73066	0.562536	2.51E-40	0.507273	6.62E-32	0.198675
-0.03162	0.49545	0.079665	0.08549	0.839179	#####	0.54905	3.99E-38	0.381582
0.006872	0.88225	0.014016	0.76258	0.864663	#####	0.333182	1.43E-13	0.275317
-0.04133	0.37289	0.117472	0.01107	0.794467	#####	0.358542	1.30E-15	0.275542
0.020666	0.65599	0.071859	0.12097	0.842825	#####	0.363631	4.79E-16	0.307401
0.069356	0.1345	-0.04164	0.36928	0.576656	9.67E-43	0.127453	0.00581	0.203243
-0.04975	0.28332	-0.14648	0.0015	0.591475	2.10E-45	0.106761	0.02102	0.068219
0.00375	0.93558	-0.02455	0.59672	0.631359	2.63E-53	0.151812	0.001	0.159939
0.088241	0.05671	0.00019	0.99673	0.678276	3.21E-64	0.151126	0.00105	0.179573
0.093048	0.04446	0.018923	0.68337	0.554449	5.40E-39	0.105011	0.02324	0.205157
-0.01338	0.77312	0.120055	0.00941	0.816487	#####	0.548874	4.26E-38	0.419688
0.050145	0.27951	0.06822	0.14102	0.898583	#####	0.300996	3.10E-11	0.254602
0.004437	0.92382	0.081352	0.07905	0.911936	#####	0.363039	5.39E-16	0.262956
0.038063	0.41185	0.055041	0.23517	0.882579	#####	0.258517	1.44E-08	0.235575
0.042832	0.35572	0.023059	0.61916	0.595844	3.23E-46	0.140918	0.00227	0.130904
-0.00409	0.92973	0.048065	0.29997	0.89682	#####	0.335054	1.03E-13	0.262472
0.029438	0.5257	0.063906	0.16798	0.921419	#####	0.276349	1.24E-09	0.245332
-0.0325	0.48351	-0.03171	0.4943	0.521415	6.48E-34	0.235246	2.71E-07	0.314694
0.013195	0.77611	0.043012	0.3537	0.931749	#####	0.268219	3.89E-09	0.222645
-0.00556	0.90455	0.022819	0.62281	0.941218	#####	0.296953	5.82E-11	0.306567
-0.04024	0.38562	-0.01895	0.68293	0.919088	#####	0.354922	2.61E-15	0.29753
-0.01892	0.68335	0.048169	0.29892	0.959395	#####	0.41331	1.08E-20	0.305904
0.004634	0.92044	0.060853	0.18927	0.873255	#####	0.311709	5.56E-12	0.254141
-0.00597	0.89765	-0.01025	0.82508	0.810653	#####	0.17872	0.0001	0.210166
0.178639	0.0001	0.059529	0.1991	0.577661	6.44E-43	0.176689	0.00012	0.087254
-0.02845	0.53964	0.06773	0.1439	0.934779	#####	0.524993	1.94E-34	0.353093
-0.07556	0.10293	0.124547	0.00704	0.786786	1.69E-99	0.573869	2.96E-42	0.390113
-0.13079	0.00464	-0.10494	0.02333	0.56339	1.81E-40	0.32558	5.41E-13	0.198284
-0.01937	0.67625	0.017658	0.70349	0.694112	2.23E-68	0.208063	5.79E-06	0.183484
-0.00362	0.93779	0.018655	0.68761	0.951039	#####	0.324507	6.51E-13	0.250361
-0.00481	0.91749	0.041435	0.37164	0.96583	#####	0.344899	1.72E-14	0.258367
0.008107	0.86129	0.041786	0.3676	0.930884	#####	0.237074	2.18E-07	0.226639
-0.0094	0.83944	0.043095	0.35277	0.964927	#####	0.353514	3.41E-15	0.301551
0.008234	0.85914	0.036471	0.43169	0.935433	#####	0.267212	4.46E-09	0.235442
-0.0138	0.76621	0.043647	0.34663	0.955756	#####	0.371031	1.09E-16	0.305238
-0.06438	0.16482	0.035036	0.45004	0.861326	#####	0.385006	5.99E-18	0.237737
-0.03892	0.40137	0.03325	0.47349	0.877189	#####	0.320296	1.33E-12	0.222691
-0.09696	0.03621	0.02263	0.62569	0.733948	3.82E-80	0.372569	7.98E-17	0.185882

0.057474	0.21508	0.122396	0.0081	0.427313	3.76E-22	0.158724	0.00058	0.126768
0.036476	0.43163	0.045292	0.32874	0.855437	#####	0.239879	1.55E-07	0.196104
0.107697	0.01992	0.026133	0.57322	0.678744	2.44E-64	0.13878	0.00265	0.176249
0.001977	0.96601	0.082082	0.07639	0.902508	#####	0.300716	3.24E-11	0.250046
-0.02083	0.65339	0.087428	0.05904	0.87211	#####	0.388136	3.07E-18	0.301168
-0.00701	0.87987	0.072553	0.11741	0.917136	#####	0.442214	8.85E-24	0.312747
0.037445	0.41949	0.035835	0.43978	0.885903	#####	0.277667	1.03E-09	0.2587
-0.00137	0.97639	0.043638	0.34673	0.962769	#####	0.377789	2.73E-17	0.27023
0.03021	0.51489	0.051716	0.2647	0.939197	#####	0.39883	2.95E-19	0.288944
0.094513	0.0412	0.05102	0.27119	0.416134	5.55E-21	0.059875	0.1965	0.088932
-0.00092	0.98422	0.038701	0.40406	0.923397	#####	0.284305	3.92E-10	0.242996
0.007663	0.86883	0.046374	0.31731	0.87312	#####	0.352995	3.77E-15	0.246077
0.027206	0.55757	0.045961	0.32164	0.913045	#####	0.283094	4.69E-10	0.215348
-0.08466	0.06757	-0.08862	0.05566	0.303849	1.97E-11	0.4833	1.05E-28	0.317962
-0.00058	0.98996	0.041857	0.36679	0.939879	#####	0.402786	1.21E-19	0.298283
0.113289	0.0143	0.004236	0.92726	0.219105	1.75E-06	0.203512	9.31E-06	0.269077
-0.07374	0.11151	-0.06645	0.15167	0.199241	1.44E-05	0.245344	7.87E-08	0.15976
-0.09934	0.03185	-0.05736	0.216	0.250573	4.06E-08	0.530068	3.43E-35	0.160091
0.091924	0.0471	0.021508	0.64294	0.193721	2.50E-05	0.267554	4.26E-09	0.229067
0.11238	0.01511	0.223706	1.04E-06	0.014905	0.74802	0.056265	0.2249	0.020082
0.066672	0.15028	0.333988	1.24E-13	0.000281	0.99516	0.089291	0.05382	0.15048
0.141727	0.00214	0.410575	2.04E-20	-0.08001	0.08414	-0.1408	0.00229	-0.20992
-0.15286	0.00092	-0.0651	0.16015	-0.03105	0.50322	-0.01734	0.70862	0.058383
0.141398	0.00219	0.234314	3.03E-07	-0.00456	0.92174	-0.075	0.10551	-0.05155
0.154517	0.00081	0.3302	2.43E-13	-0.02356	0.61162	0.122255	0.00817	0.078965
-0.1274	0.00583	0.091996	0.04693	-0.00338	0.94192	0.065383	0.15834	0.015805
0.034941	0.45127	0.39997	2.29E-19	0.004676	0.91973	0.061376	0.18549	0.048345
0.011043	0.81187	0.168014	0.00027	-0.05429	0.24165	-0.03837	0.4081	-0.04965
0.105605	0.02247	0.292783	1.10E-10	0.032165	0.48806	0.041614	0.36958	0.066069
0.108231	0.01931	0.413783	9.65E-21	0.044254	0.33997	0.165508	0.00033	0.117674
-0.04517	0.33007	0.235239	2.71E-07	0.001479	0.97457	0.030649	0.5088	0.104137
-0.03405	0.46293	0.174038	0.00016	-0.01748	0.70634	0.003675	0.93687	-0.08583
-0.03108	0.50291	0.242598	1.11E-07	-0.01531	0.74133	0.008184	0.85999	0.003491
0.138227	0.00276	0.352347	4.26E-15	0.026553	0.56706	0.054127	0.24304	0.025072
0.009945	0.83029	0.268596	3.69E-09	0.034766	0.45355	0.100475	0.02993	0.207022
0.062791	0.17553	0.252289	3.26E-08	0.010574	0.81973	0.080339	0.08287	0.053624
0.035014	0.45033	0.261969	9.10E-09	-0.01931	0.67726	0.019454	0.67498	0.006548
0.013264	0.77497	0.31566	2.90E-12	-0.00928	0.84153	0.045476	0.32679	-0.04593
0.113765	0.0139	0.228936	5.71E-07	-0.02412	0.60317	-0.02884	0.53414	-0.01419
0.098663	0.03304	0.240538	1.43E-07	-0.04527	0.32902	-0.02421	0.60179	-0.00802
-0.02772	0.5501	0.130016	0.00489	-0.00078	0.98654	0.039488	0.39456	0.090947
0.067982	0.14241	0.085193	0.06585	0.010845	0.81518	0.118471	0.0104	0.009639
0.037899	0.41387	0.218052	1.97E-06	-0.0268	0.56351	-0.00695	0.88088	0.048171
0.035668	0.44191	0.238814	1.76E-07	-0.0202	0.66324	-0.02537	0.58449	-0.00633
-0.19247	2.82E-05	0.088555	0.05584	-0.02364	0.61029	-0.0773	0.09523	0.078924

-0.14026	0.00238	-0.04287	0.35526	0.035968	0.43808	0.155624	0.00074	0.200443
0.073514	0.11262	0.268555	3.71E-09	0.010336	0.82372	0.115701	0.01235	0.018783
-0.17394	0.00016	0.200074	1.32E-05	0.006887	0.882	0.08533	0.06541	0.051347
0.124053	0.00727	0.237865	1.98E-07	0.012478	0.78798	0.077466	0.09451	0.041939
0.041596	0.36978	0.251661	3.53E-08	-0.03082	0.5064	-0.04826	0.29797	-0.04597
0.134331	0.00363	0.509417	3.33E-32	0.029647	0.52276	0.119433	0.00979	0.172095
-0.10415	0.0244	0.15302	0.00091	0.024185	0.60214	0.214753	2.82E-06	0.032896
0.133825	0.00376	0.255941	2.03E-08	0.025572	0.58148	0.173049	0.00017	0.11099
-0.06161	0.18382	0.102231	0.02717	-0.00877	0.85002	-0.01987	0.66838	0.043602
-0.10763	0.02	0.182458	7.32E-05	-0.00363	0.93761	0.029558	0.52401	0.025969
0.235427	2.65E-07	0.378786	2.22E-17	0.029796	0.52067	0.145231	0.00165	0.104679
-0.17951	9.60E-05	0.111071	0.01634	-0.02809	0.54479	0.044259	0.33991	0.029552
-0.12776	0.00569	-0.08775	0.05812	-0.02875	0.5354	0.007834	0.86592	-0.09306
-0.02148	0.64339	0.232829	3.62E-07	-0.03984	0.39037	0.095469	0.03918	0.077752
0.168504	0.00025	0.481533	1.76E-28	-0.07633	0.09945	-0.15848	0.00059	-0.04418
0.015227	0.74277	0.295631	7.14E-11	0.037005	0.42497	0.153297	0.00089	0.134894
-0.04899	0.29071	0.152678	0.00093	0.036389	0.43273	0.103657	0.02508	0.069775
-0.021	0.65077	0.248857	5.05E-08	-0.03692	0.42602	-0.03087	0.50581	-0.03537
-0.0817	0.07778	-0.01854	0.6895	-0.04101	0.37661	-0.06952	0.13356	0.01124
-0.0527	0.25567	0.119264	0.00989	-0.0061	0.89539	0.030609	0.50935	0.009192
-0.01493	0.74766	0.226978	7.17E-07	-0.01002	0.829	0.049685	0.28395	-0.02234
0.270202	2.95E-09	0.180254	8.97E-05	-0.03127	0.50025	0.107899	0.01969	-0.01263
0.220279	1.53E-06	0.476463	7.70E-28	-0.00284	0.95119	0.059105	0.20233	-0.00838
0.011017	0.81231	0.260193	1.15E-08	0.002696	0.95366	0.084026	0.06965	0.0602
0.039389	0.39575	0.216737	2.27E-06	-0.04141	0.37189	0.125826	0.00648	-0.03539
0.059002	0.20311	0.320126	1.37E-12	-0.0183	0.6932	-0.0091	0.84451	-0.00674
0.257663	1.61E-08	0.542796	3.88E-37	0.013571	0.7699	0.030387	0.51243	-0.0015
0.011288	0.80777	0.29838	4.66E-11	-0.03602	0.43738	-0.04986	0.28222	-0.11845
0.144078	0.0018	0.258326	1.48E-08	0.004973	0.91465	0.034428	0.45796	0.08929
0.194201	2.38E-05	0.522632	4.31E-34	-0.02565	0.58036	0.015496	0.73839	-0.00405
0.300871	3.16E-11	0.445684	3.60E-24	-0.01235	0.79013	0.012092	0.79439	-0.07001
-0.15687	0.00067	-0.0263	0.57077	-0.03429	0.45982	0.136756	0.00306	0.010379
0.008059	0.86211	0.07791	0.09263	0.008576	0.85336	0.013598	0.76947	0.024249
-0.12316	0.00771	0.190336	3.47E-05	-0.03716	0.423	0.026992	0.56067	-0.10236
0.055429	0.23188	0.393087	1.05E-18	0.016051	0.72937	0.07278	0.11626	0.116902
0.020369	0.66063	0.254667	2.39E-08	0.017115	0.7122	0.0939	0.04254	0.114574
0.000641	0.98897	0.173398	0.00017	0.001828	0.96857	0.036456	0.43188	0.043618
0.276236	1.26E-09	0.202426	1.04E-05	-0.0513	0.26858	-0.06283	0.17525	-0.12519
0.051926	0.26277	0.273354	1.90E-09	0.018344	0.69256	0.056396	0.22383	0.018297
0.132915	0.00401	0.281396	6.01E-10	0.04948	0.28595	0.07534	0.10394	0.025603
0.100774	0.02945	0.309926	7.44E-12	0.026008	0.57505	0.076467	0.09885	0.176481
0.119787	0.00957	0.324694	6.30E-13	0.005455	0.90641	0.047724	0.30342	0.069432
0.050115	0.2798	0.32986	2.57E-13	-0.03631	0.43378	0.072407	0.11815	0.037397
0.061688	0.18326	0.267412	4.34E-09	-0.0551	0.23469	-0.02046	0.65925	-0.06888
-0.05928	0.20096	0.268742	3.62E-09	-0.0007	0.98789	0.11725	0.01122	0.010191

0.032801	0.47949	0.486771	3.73E-29	0.008133	0.86085	0.074536	0.10769	0.165417
-0.08904	0.05449	0.313478	4.16E-12	0.020887	0.65256	0.096892	0.03633	0.020663
0.116283	0.01191	0.357238	1.67E-15	-0.03472	0.4542	-0.03964	0.39268	-0.04652
-0.03342	0.4712	0.226551	7.53E-07	-0.03811	0.4113	-0.01075	0.81675	-0.08898
-0.18043	8.82E-05	-0.05241	0.2583	-0.01367	0.76824	0.053107	0.25205	-0.01745
-0.05895	0.20354	0.115791	0.01228	-0.02153	0.64262	-0.00896	0.84695	-0.01798
0.175897	0.00013	0.48283	1.20E-28	0.007735	0.8676	0.113866	0.01381	0.04599
-0.0213	0.64609	0.15265	0.00094	0.015575	0.7371	0.045218	0.32954	0.01973
-0.00441	0.92435	0.195182	2.16E-05	-0.04057	0.38174	-0.00361	0.93805	-0.06923
-0.102	0.02752	0.1857	5.40E-05	-0.02574	0.57903	0.123567	0.00751	0.087802
0.181633	7.90E-05	0.207893	5.89E-06	-0.02218	0.63254	-0.00583	0.90001	0.016433
0.384987	6.01E-18	0.501914	3.61E-31	0.019299	0.67743	0.126489	0.0062	0.122363
0.029651	0.5227	0.276194	1.27E-09	0.005856	0.89957	0.116812	0.01153	0.140567
0.033498	0.4702	0.286184	2.97E-10	-0.00468	0.91965	0.043784	0.34512	0.064026
-0.01461	0.75278	0.174935	0.00014	0.000363	0.99375	0.027519	0.55304	-0.04853
0.081756	0.07757	0.108684	0.01881	-0.01293	0.78047	0.00164	0.97181	-0.05073
-0.06446	0.16431	0.136747	0.00307	0.01551	0.73816	0.037636	0.41712	0.071236
0.144652	0.00172	0.336479	7.97E-14	0.05269	0.2558	0.181567	7.95E-05	0.1119
-0.04162	0.36954	0.049537	0.28539	-0.03092	0.50507	0.024742	0.5938	-0.10185
0.313698	4.01E-12	0.364111	4.36E-16	0.006374	0.89074	-0.00277	0.95237	0.093476
0.055917	0.22779	0.168198	0.00026	-0.03295	0.47751	0.001408	0.9758	0.099507
0.081617	0.07807	0.359717	1.03E-15	0.029087	0.53065	0.151228	0.00104	0.003432
0.123684	0.00745	0.251813	3.46E-08	0.011699	0.80092	0.062551	0.1772	0.039755
0.052412	0.25832	0.329335	2.82E-13	0.008586	0.85318	0.039309	0.3967	0.129831
-0.10968	0.01773	0.16776	0.00027	0.005478	0.90602	0.111045	0.01636	0.067857
0.033439	0.47097	0.314797	3.35E-12	0.003055	0.94751	0.024776	0.5933	0.107769
-0.11438	0.01339	0.001748	0.96995	-0.03299	0.47691	0.020884	0.65261	-0.08851
0.045777	0.32359	0.368133	1.96E-16	0.012601	0.78593	0.070105	0.13033	0.109376
0.007733	0.86763	0.172917	0.00017	-0.02589	0.57673	-0.02934	0.52712	0.058659
0.335727	9.12E-14	0.631515	2.43E-53	-0.00344	0.94093	0.078632	0.08963	0.031026
0.079458	0.08631	0.270787	2.72E-09	-0.00232	0.9602	0.043292	0.35057	0.058002
-0.11681	0.01153	0.261356	9.88E-09	0.051774	0.26417	0.221744	1.30E-06	0.079451
0.111067	0.01634	0.365071	3.61E-16	0.025986	0.57538	0.112527	0.01498	0.10564
0.026533	0.56736	0.369202	1.58E-16	0.008666	0.85184	0.069077	0.13608	0.061567
-0.14213	0.00208	0.043967	0.34311	0.005916	0.89853	0.075137	0.10487	0.141569
0.041798	0.36746	0.338494	5.55E-14	-0.00566	0.90287	0.081126	0.07989	0.120062
-0.09242	0.04592	0.194979	2.21E-05	-0.00193	0.96677	0.132836	0.00403	0.065138
0.086123	0.06294	0.438835	2.10E-23	0.05319	0.2513	0.075101	0.10504	0.219607
0.06658	0.15085	0.231872	4.05E-07	-0.02251	0.62755	0.070664	0.12729	0.050736
0.035296	0.44669	0.217394	2.11E-06	0.026543	0.56721	0.145101	0.00167	0.066029
0.105896	0.02209	0.290652	1.52E-10	-0.00187	0.96784	0.024364	0.59946	-0.01413
0.169147	0.00024	0.3935	9.57E-19	-0.02324	0.61645	-0.00901	0.84602	-0.03717
-0.00784	0.86578	0.25136	3.67E-08	0.025052	0.58918	0.125551	0.00659	0.109982
-0.05404	0.24382	0.202351	1.05E-05	-0.00992	0.83065	0.062287	0.17903	0.005618
0.111859	0.01559	0.534296	7.89E-36	0.057196	0.21731	0.185553	5.48E-05	0.226572

-0.02393	0.60605	0.160906	0.00048	-0.00964	0.83539	0.042632	0.35797	-0.04961
0.042003	0.36512	0.25864	1.42E-08	0.021554	0.64223	0.082863	0.07362	0.108396
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-0.02985	0.51987	0.180775	8.55E-05	-0.02302	0.6197	0.00396	0.93199	0.067146
0.010035	0.82877	0.056962	0.2192	-0.02509	0.58863	0.088087	0.05715	0.175372
0.003437	0.94095	0.164713	0.00035	-0.03007	0.51686	-0.05358	0.24781	-0.06271
-0.02936	0.52682	0.111417	0.01601	0.007306	0.87488	0.061537	0.18433	0.079698
-0.01106	0.81162	0.305613	1.49E-11	0.019184	0.67924	0.125874	0.00646	0.054664
0.149593	0.00119	0.102602	0.02661	-0.03741	0.41991	-0.0383	0.40889	-0.02911
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0.073266	0.11384	0.297333	5.49E-11	-0.01516	0.74388	0.051768	0.26422	0.002003
0.048469	0.29592	0.302894	2.30E-11	-0.0168	0.7173	0.014498	0.75468	-0.02123
-0.02859	0.53767	0.025203	0.58694	0.020411	0.65997	0.052558	0.25699	-0.01316
-0.17236	0.00018	-0.01686	0.71635	-0.02519	0.5871	0.04846	0.296	-0.00225
-0.07043	0.12854	0.146943	0.00145	-0.00794	0.86409	0.063641	0.16975	-0.00908
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0.066714	0.15002	0.225322	8.67E-07	0.002453	0.95783	-0.01003	0.82882	0.040116
0.020502	0.65856	0.300879	3.16E-11	-0.04744	0.30631	0.047185	0.30891	0.017064
0.207361	6.23E-06	0.377893	2.67E-17	-0.00947	0.83819	0.004938	0.91525	0.073818
0.030128	0.51603	-0.0716	0.12233	0.092379	0.04602	0.041952	0.3657	-0.03688
0.097117	0.0359	-0.20493	8.04E-06	0.043264	0.35089	-0.09956	0.03147	-0.0788
0.130962	0.00459	0.060111	0.19474	0.125214	0.00674	0.060607	0.19107	0.035971
0.069753	0.13228	-0.05183	0.26365	0.074577	0.1075	-0.01886	0.68435	-0.01801
0.113811	0.01386	0.043279	0.35072	0.073078	0.11477	-0.02055	0.65779	-0.02068
0.041368	0.37242	-0.01658	0.72079	0.050606	0.27511	-0.02551	0.58243	-0.00697
0.035548	0.44345	-0.0033	0.94325	0.088413	0.05623	0.006909	0.88163	-0.02495
0.075862	0.10156	0.03157	0.49614	0.135953	0.00324	0.151703	0.00101	0.305235
0.131034	0.00456	0.02186	0.6375	0.115791	0.01228	-0.00278	0.95219	0.02009
0.107926	0.01965	0.000365	0.99373	0.116126	0.01203	-0.00979	0.83289	0.010705
0.082102	0.07632	0.007852	0.86561	0.217104	2.18E-06	0.196408	1.91E-05	0.078064
0.105462	0.02265	-0.07072	0.12697	0.114247	0.0135	-0.03308	0.47578	-0.00025
0.001247	0.97856	-0.09501	0.04015	0.068138	0.1415	-0.00437	0.9249	0.033125
0.059745	0.19747	-0.00674	0.88457	0.137841	0.00284	0.010316	0.82404	0.02428
0.12108	0.00881	0.035558	0.44332	0.126223	0.00631	0.027053	0.55979	0.067366
0.085745	0.06411	0.005604	0.90386	0.136362	0.00315	0.030775	0.50706	0.020174
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0.106775	0.02101	0.018316	0.693	0.171926	0.00019	0.036686	0.42898	0.047995
0.127357	0.00585	0.13626	0.00317	0.069857	0.13171	-0.00339	0.94183	0.081906
0.039656	0.39254	-0.04089	0.37792	0.120698	0.00903	0.011698	0.80094	0.0756
0.05568	0.22977	0.009118	0.8442	0.144318	0.00177	0.026873	0.5624	0.044521
0.077001	0.09651	0.005717	0.90193	0.161106	0.00047	0.035284	0.44685	0.019584
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0.091971	0.04699	0.011435	0.80533	0.157898	0.00062	0.020187	0.66348	0.039168
0.061252	0.18638	-0.02342	0.61366	0.047379	0.30692	0.017854	0.70037	0.03308
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0.034085	0.46244	-0.12634	0.00626	0.065715	0.15624	-0.02773	0.54998	-0.01614
0.067334	0.14627	0.034624	0.4554	0.052474	0.25775	-0.00153	0.97365	-0.00249
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0.039998	0.38847	-0.05321	0.25113	0.100903	0.02924	-0.00589	0.89899	-0.00221
0.092369	0.04604	-0.01021	0.82578	0.12532	0.0067	0.002413	0.95852	-0.00295
0.083966	0.06985	-0.00148	0.97448	0.144217	0.00178	0.014567	0.75355	0.034084
0.090129	0.0516	-0.05224	0.25984	0.123233	0.00767	-0.00137	0.97648	0.113872
0.058449	0.20738	0.01186	0.79824	0.102265	0.02712	-0.00557	0.9044	0.009141
0.0397	0.39202	-0.00728	0.87525	0.111825	0.01562	0.016849	0.71648	0.061869
-0.09223	0.04638	-0.24596	7.29E-08	0.063167	0.17296	0.01021	0.82583	0.039305
0.024767	0.59343	0.012531	0.7871	0.07326	0.11387	-0.02646	0.56848	0.007631
0.113362	0.01424	-0.05784	0.21214	0.089203	0.05406	-0.01566	0.73568	0.015807
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0.003665	0.93703	-0.10665	0.02115	0.062269	0.17916	-0.00541	0.90716	-0.06329
0.108917	0.01855	0.037776	0.41539	0.133917	0.00374	0.026349	0.57005	0.036099
0.071312	0.12383	-0.02391	0.6063	0.152893	0.00092	0.006896	0.88185	0.007401
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0.027076	0.55945	-0.27917	8.30E-10	0.048414	0.29647	-0.09769	0.03482	-0.02322
0.141029	0.00225	0.034393	0.45841	0.087467	0.05893	0.026881	0.56229	-0.00812
0.028764	0.53522	-0.18225	7.46E-05	0.081249	0.07943	-0.03961	0.39313	-0.06054
0.097702	0.03479	0.051358	0.26803	0.108545	0.01896	0.020729	0.65501	0.033988
0.052705	0.25566	-0.02249	0.62783	0.134204	0.00367	0.02344	0.61338	0.006987
0.237172	2.15E-07	0.10861	0.01889	0.089898	0.05221	-0.01835	0.69246	-0.01474
0.101708	0.02797	0.01063	0.81878	0.135525	0.00334	0.009674	0.83483	-0.0061
0.066575	0.15088	-0.0083	0.85809	0.169551	0.00023	0.056165	0.22573	0.043218
0.129985	0.0049	-0.16227	0.00043	0.069885	0.13155	-0.05072	0.27402	-0.01389
0.125755	0.00651	0.035741	0.44098	0.114836	0.01302	0.012381	0.78959	0.01602
0.052104	0.26113	-0.14975	0.00117	0.055913	0.22782	-0.04796	0.30101	-0.06554
0.081462	0.07864	0.014007	0.76274	0.129619	0.00502	0.0212	0.6477	0.021627
0.085417	0.06514	-0.05473	0.23787	0.0613	0.18603	0.045022	0.33164	-0.09877
0.071463	0.12303	-0.17267	0.00018	0.081052	0.08016	-0.06488	0.16157	-0.02277
0.080616	0.08181	-0.08152	0.07843	0.132385	0.00416	0.213895	3.10E-06	-0.07206
0.076605	0.09824	-0.0636	0.17002	0.151806	0.001	0.022547	0.62696	-0.00184
0.08162	0.07806	-0.02986	0.51978	0.089452	0.05339	0.011001	0.81257	-0.00101
0.282713	4.96E-10	0.048444	0.29617	0.139806	0.00246	-0.00127	0.97822	0.009575
0.037267	0.4217	-0.11922	0.00992	0.102283	0.02709	0.010677	0.81799	-0.03871
0.079688	0.0854	0.109044	0.01841	0.09925	0.032	-0.03979	0.39096	0.000353
0.052357	0.25882	-0.05662	0.222	0.102377	0.02695	0.007346	0.8742	0.02076
0.084078	0.06948	-0.00063	0.98909	0.15002	0.00115	0.033707	0.46743	0.049302
0.006568	0.88743	-0.17177	0.00019	0.057099	0.21809	-0.04683	0.31255	-0.07332
0.13167	0.00437	-0.01193	0.79706	0.10117	0.02881	-0.01257	0.78645	0.02796
0.043122	0.35247	-0.01091	0.81414	0.108892	0.01858	-0.0057	0.9022	0.037745
0.022057	0.63448	0.02814	0.54412	0.099245	0.03201	-0.01421	0.75943	0.003435
0.072444	0.11796	0.093658	0.04307	0.099745	0.03115	0.147708	0.00137	0.059021
0.047045	0.31035	0.02058	0.65734	0.093913	0.04251	0.045133	0.33045	0.009644

0.025791	0.57824	-0.0473	0.30777	0.072418	0.11809	0.023395	0.61407	0.036503
0.103885	0.02477	0.025795	0.57818	0.139042	0.0026	0.006768	0.88402	0.019954
0.063614	0.16994	-0.01578	0.73381	0.221863	1.28E-06	0.18607	5.22E-05	0.227326
0.019444	0.67514	-0.05884	0.20437	0.067761	0.14372	-0.02079	0.65408	0.135518
0.214947	2.77E-06	-0.02763	0.5514	0.086801	0.06089	-0.04869	0.29369	-0.02358
-0.08363	0.07097	-0.17514	0.00014	0.111729	0.01571	0.007306	0.87488	-0.02314
0.098387	0.03353	-0.00569	0.9024	0.131255	0.0045	-0.0003	0.9948	-0.00627
-0.00166	0.97146	-0.04592	0.32202	0.067512	0.1452	-0.00744	0.87267	-0.00294
0.116056	0.01208	0.000666	0.98855	0.182298	7.43E-05	0.058413	0.20767	0.049845
-0.0301	0.5164	-0.21732	2.13E-06	0.06984	0.1318	-0.06247	0.17773	-0.02362
0.012995	0.77941	-0.11881	0.01018	0.102863	0.02623	0.006575	0.88731	-0.0144
0.150995	0.00106	0.00921	0.84265	0.101828	0.02778	0.013057	0.77839	0.055438
0.023322	0.61517	-0.08042	0.08254	0.173358	0.00017	0.084238	0.06895	0.100387
0.092495	0.04574	-0.00787	0.86524	0.161006	0.00048	0.038512	0.40635	0.019894
0.063762	0.16894	0.089755	0.05258	0.140993	0.00226	0.061055	0.1878	0.053523
0.017159	0.7115	0.017741	0.70217	0.122512	0.00804	0.032281	0.48648	0.027577
0.012966	0.77989	0.040971	0.37703	0.05834	0.20823	0.007406	0.87319	-0.03637
0.059343	0.20051	-0.01279	0.78282	0.139703	0.00248	0.016061	0.72922	0.017171
-0.07703	0.09637	-0.12873	0.00534	0.061342	0.18574	-0.00864	0.85229	0.020903
0.00749	0.87176	-0.07247	0.11783	0.075424	0.10355	-0.01618	0.7273	-0.02299
0.035267	0.44707	-0.10901	0.01846	0.072105	0.1197	0.01079	0.81611	-0.02311
0.017907	0.69951	0.074042	0.11005	0.09556	0.03899	0.053671	0.24704	-0.00745
0.021994	0.63545	-0.01511	0.74474	0.069525	0.13355	-0.03281	0.47933	-0.09031
0.061021	0.18805	-0.25157	3.57E-08	0.073581	0.11229	0.007253	0.87578	-0.03174
-0.03823	0.40976	-0.08629	0.06244	0.041673	0.3689	-0.01773	0.70238	-0.05577
-0.01979	0.66964	-0.20195	1.09E-05	0.076273	0.09971	-0.05331	0.25025	-0.05727
0.04904	0.29026	-0.03845	0.40705	0.102831	0.02627	-0.02443	0.5984	0.010644
0.019638	0.67208	-0.05109	0.2705	0.158001	0.00061	0.040035	0.38804	0.051843
0.005415	0.9071	-0.20864	5.45E-06	0.086241	0.06258	0.067929	0.14273	0.042004
0.028637	0.53703	-0.18324	6.80E-05	0.084894	0.06681	-0.05388	0.24524	-0.02305
0.238945	1.74E-07	-0.06854	0.13914	0.061947	0.18143	-0.01207	0.7947	-0.04029
0.000704	0.98789	-0.17641	0.00013	0.07188	0.12086	-0.01806	0.69714	-0.03867
0.001005	0.98272	-0.06816	0.14135	0.160224	0.00051	0.037977	0.41291	0.02792
0.023974	0.60531	-0.03038	0.51256	0.153753	0.00086	0.027724	0.55009	0.059696
0.119979	0.00945	0.039462	0.39487	0.119226	0.00991	0.003992	0.93145	0.026088
0.06396	0.16762	-0.00019	0.99675	0.13214	0.00423	0.023141	0.61792	0.013968
-0.01403	0.76238	-0.1402	0.00239	0.1055	0.0226	0.05713	0.21784	0.019324
0.098967	0.0325	0.012345	0.79018	0.154224	0.00083	0.025399	0.58405	0.019964
0.015023	0.74609	-0.09311	0.04431	0.09339	0.04368	-0.02446	0.59809	-0.03683
0.003706	0.93634	-0.05105	0.2709	0.063147	0.1731	-0.01037	0.82308	-0.00164
0.272228	2.23E-09	0.069367	0.13444	0.014917	0.74782	-0.06918	0.13549	-0.11256
0.159553	0.00054	-0.01989	0.66816	0.108578	0.01892	-0.00395	0.9321	0.027077
0.071937	0.12056	-0.03946	0.39494	0.07998	0.08426	0.000162	0.99721	-0.02612
0.094736	0.04072	0.04973	0.28351	0.105117	0.0231	0.023712	0.60927	0.048557
0.029109	0.53034	-0.01017	0.82642	0.141501	0.00218	0.061205	0.18672	0.05278

0.048305	0.29755	-0.04998	0.28108	0.139957	0.00243	0.042399	0.36061	0.024853
-0.01727	0.70974	-0.02233	0.63029	0.055573	0.23067	-0.01761	0.7043	-0.02808
-0.02516	0.58752	-0.07498	0.1056	0.033921	0.4646	0.086297	0.06241	-0.06251
-0.01997	0.66691	-0.23541	2.66E-07	0.050621	0.27497	-0.1266	0.00615	-0.04799
-0.0412	0.37441	-0.16309	0.0004	0.068456	0.13964	0.035663	0.44198	-0.05621
-0.02578	0.57839	-0.02136	0.64527	0.096711	0.03669	0.015997	0.73025	0.039222
-0.00434	0.9254	-0.05646	0.2233	0.078382	0.09066	-0.00891	0.84778	-0.01935
0.214951	2.76E-06	0.293461	9.95E-11	0.08353	0.07132	0.043931	0.3435	0.078858
0.324695	6.30E-13	0.464895	2.04E-26	0.057205	0.21723	0.022612	0.62597	0.139821
0.055438	0.2318	-0.11217	0.0153	0.122958	0.00781	-0.04642	0.31683	0.026897
0.068878	0.13722	0.048992	0.29073	0.144052	0.0018	0.027057	0.55973	0.049601
0.039009	0.40032	-0.04097	0.37709	0.078664	0.0895	-0.0268	0.5635	0.001263
0.113284	0.01431	-0.00391	0.93284	0.135492	0.00335	0.017432	0.70712	0.037573
0.052563	0.25695	-0.02727	0.55661	0.151139	0.00105	0.042586	0.35849	0.067833
0.067662	0.1443	0.012119	0.79393	0.105053	0.02318	-0.0103	0.82428	-0.00133
0.16934	0.00024	0.049625	0.28454	0.105603	0.02247	0.016146	0.72784	0.030512
0.093533	0.04335	0.073816	0.11115	0.079058	0.0879	-0.03409	0.46233	-0.01188
0.098551	0.03324	-0.26026	1.14E-08	0.051915	0.26287	-0.04283	0.35574	-0.06517
0.010173	0.82645	-0.10337	0.0255	0.099152	0.03217	-0.02792	0.54724	0.028147
-0.00109	0.98121	-0.12539	0.00666	0.062655	0.17648	-0.02574	0.57895	-0.06167
0.005687	0.90244	-0.03833	0.40863	0.043979	0.34298	0.091456	0.04824	0.036374
0.065824	0.15555	-0.00898	0.84662	0.153465	0.00088	0.027849	0.5483	0.011526
0.087614	0.0585	-0.00081	0.98605	0.040786	0.37918	-0.02325	0.61626	-0.00868
0.032611	0.48204	-0.13986	0.00245	0.065926	0.15491	-0.01427	0.75847	-0.02727
0.11731	0.01118	-0.06448	0.16421	0.079726	0.08525	-0.00628	0.89239	0.021172
0.277661	1.03E-09	-0.04491	0.33285	0.116882	0.01148	-0.00612	0.89511	-0.03564
0.135177	0.00342	0.022212	0.6321	0.115085	0.01282	0.029785	0.52082	0.075856
0.034033	0.46313	-0.1206	0.00909	0.040901	0.37784	-0.08926	0.0539	-0.09868
-0.00862	0.85258	-0.09261	0.04547	0.122333	0.00813	0.142383	0.00204	0.048055
0.115258	0.01269	-0.00501	0.914	0.06161	0.18381	-0.02969	0.52215	-0.02728
0.127367	0.00585	-0.0375	0.41879	0.136598	0.0031	0.009118	0.8442	0.012533
0.411014	1.84E-20	0.370476	1.22E-16	0.039172	0.39835	-0.02617	0.57274	0.018818
0.154833	0.00079	0.041381	0.37227	0.114327	0.01343	0.010297	0.82437	0.031846
0.109814	0.0176	0.06253	0.17734	0.140891	0.00228	0.014748	0.75058	0.008324
0.139712	0.00248	0.023585	0.61118	0.140165	0.0024	0.011042	0.81189	0.029276
0.329729	2.63E-13	0.038924	0.40135	0.063187	0.17283	-0.0215	0.64313	0.030473
0.102187	0.02723	0.067483	0.14537	0.053093	0.25218	0.002007	0.9655	-0.06183
0.020289	0.66188	0.058421	0.2076	0.080476	0.08234	-0.0045	0.9227	0.026897
0.055186	0.23394	0.014949	0.7473	0.13891	0.00263	0.024257	0.60106	0.048509
0.017243	0.71015	-0.11411	0.01361	0.126278	0.00629	0.007731	0.86766	0.002193
0.061067	0.18771	-0.01999	0.66657	0.147624	0.00138	0.018475	0.69048	0.042343
0.03015	0.51573	-0.03505	0.44986	0.05144	0.26726	-0.02391	0.60624	-0.02881
0.191827	3.00E-05	-0.00666	0.88592	0.136378	0.00315	-0.02194	0.63633	0.01604
0.068592	0.13886	-0.00066	0.98861	0.10964	0.01778	-0.02856	0.53806	0.007103
0.010717	0.81732	-0.06486	0.16173	0.06688	0.14901	-0.02977	0.52106	-0.00833

0.050731	0.27392	-0.14674	0.00147	0.039756	0.39135	-0.05426	0.24184	-0.05398
0.084187	0.06912	-0.10925	0.0182	0.108645	0.01885	0.038942	0.40112	0.188014
0.115417	0.01257	0.049452	0.28622	0.104276	0.02423	0.023431	0.61351	0.018617
0.060912	0.18884	0.112486	0.01501	0.128617	0.00538	0.044514	0.33713	0.030757
0.193712	2.50E-05	0.142237	0.00206	0.068298	0.14056	0.000456	0.99215	0.033311
-0.00633	0.89141	-0.10778	0.01982	0.110525	0.01688	0.013318	0.77408	0.129732
0.088267	0.05664	0.019699	0.67113	0.146664	0.00148	0.013911	0.76431	0.060666
-0.0753	0.10414	-0.2273	6.90E-07	0.061891	0.18182	-0.02254	0.62702	-0.03672
0.12472	0.00696	0.032081	0.48919	0.080789	0.08115	-0.003	0.94849	0.041458
0.065542	0.15733	-0.01431	0.75769	0.111106	0.0163	0.03238	0.48515	0.024415
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0.090737	0.05004	-0.01078	0.81627	0.072241	0.119	0.007499	0.8716	-0.02571
0.059089	0.20245	-0.01577	0.73395	0.069594	0.13317	0.019648	0.67193	0.036357
0.069485	0.13377	-0.001	0.98278	0.159178	0.00056	0.029949	0.51853	0.031788
0.017575	0.70483	-0.10025	0.03031	0.059912	0.19622	-0.02752	0.55304	-0.04789
0.044529	0.33697	-0.04352	0.34809	0.147664	0.00137	0.015142	0.74415	0.011232
0.002405	0.95867	-0.06236	0.17851	0.130627	0.00469	0.020899	0.65237	0.013799
0.083013	0.0731	0.028242	0.54266	0.122117	0.00825	0.028511	0.53881	0.082066
-0.04815	0.29911	-0.19786	1.65E-05	0.052083	0.26132	-0.00847	0.8551	-0.08403
0.043093	0.3528	-0.02344	0.6134	0.145767	0.00159	0.022513	0.62749	0.008786
0.115317	0.01264	0.011999	0.79593	0.131029	0.00457	0.011847	0.79846	0.007166
0.08465	0.0676	0.037589	0.4177	0.141203	0.00222	0.020039	0.66579	-5.72E-05
0.026458	0.56845	0.040194	0.38615	0.094091	0.04211	0.01298	0.77966	0.007461
0.081422	0.07879	0.001285	0.9779	0.114767	0.01308	0.032332	0.48579	0.06068
0.082627	0.07445	0.062491	0.17761	0.16603	0.00031	0.088894	0.0549	0.274887
0.152512	0.00095	-0.03596	0.43813	0.106624	0.02119	-0.01955	0.67355	0.008569
0.103491	0.02532	0.028043	0.54551	0.144818	0.0017	0.02583	0.57767	0.030599
0.108235	0.0193	-0.05295	0.25349	0.143285	0.00191	0.018509	0.68994	-0.00486
0.095502	0.03911	-0.10453	0.02388	0.086591	0.06152	-0.00253	0.95658	0.041208
0.188452	4.16E-05	-0.09049	0.05067	0.069314	0.13474	-0.02357	0.61139	0.061352
0.335945	8.77E-14	0.176295	0.00013	0.081812	0.07736	-0.02638	0.56966	0.014547
-0.01538	0.74019	-0.18045	8.81E-05	0.077428	0.09467	-0.03382	0.46592	-0.01257
0.052203	0.26023	-0.04108	0.37571	0.117145	0.01129	0.09177	0.04747	0.08333
0.073105	0.11464	-0.01481	0.74958	0.153091	0.0009	0.02587	0.57709	0.036184
0.075419	0.10358	0.135379	0.00338	0.123503	0.00754	0.089119	0.05429	0.41956
0.106071	0.02187	-0.06724	0.14682	0.120265	0.00928	0.014369	0.7568	0.003048
0.046359	0.31747	-0.06109	0.18758	0.073579	0.1123	-0.04367	0.34634	-0.04433
-0.12126	0.00871	-0.24266	1.10E-07	0.03273	0.48044	-0.0479	0.30165	-0.09423
-0.059	0.20315	-0.17945	9.65E-05	0.064012	0.16728	-0.00096	0.98344	-0.07639
-0.14447	0.00175	-0.24714	6.28E-08	0.011252	0.80838	0.001064	0.9817	-0.074
-0.026	0.57514	-0.20464	8.28E-06	0.08942	0.05348	0.085474	0.06496	0.014864
0.107056	0.02067	0.015919	0.73151	0.10132	0.02857	0.023325	0.61513	0.033937
0.073773	0.11135	0.011207	0.80914	0.133573	0.00383	0.011	0.8126	0.064068
0.017406	0.70754	-0.24345	9.97E-08	0.062298	0.17896	-0.02515	0.58773	-0.06353
-0.02913	0.53009	-0.01812	0.6962	0.147394	0.0014	0.134768	0.00352	-0.03401

0.085617	0.06451	-0.00128	0.97807	0.112311	0.01517	-0.00637	0.8908	-0.00786
0.049578	0.28499	0.103401	0.02545	0.083749	0.07058	0.050508	0.27604	-0.01444
0.086149	0.06286	0.070869	0.12619	0.075185	0.10465	-0.0161	0.72851	-0.01778
-0.029	0.53193	-0.11315	0.01443	0.083533	0.07131	0.02811	0.54454	0.005522
0.049546	0.2853	-0.03367	0.46797	0.155064	0.00077	0.048306	0.29754	0.081274
0.155491	0.00075	0.052204	0.26021	0.149	0.00124	0.018781	0.68562	0.031905
0.090077	0.05174	0.015238	0.74259	0.106405	0.02146	-0.01945	0.675	0.008009
0.038949	0.40104	-0.00153	0.97371	0.001448	0.97511	-0.03102	0.50374	-0.04205
-0.01771	0.70267	-0.15735	0.00064	0.083719	0.07068	0.162523	0.00042	0.123785
-0.00103	0.98226	-0.10041	0.03004	0.127035	0.00598	-0.0006	0.98977	0.109847
0.04695	0.31133	-0.16955	0.00023	0.077568	0.09407	-0.05673	0.22106	0.015115
0.0219	0.63689	-0.21645	2.35E-06	0.049892	0.28195	-0.07951	0.08609	-0.08998
0.08532	0.06545	0.053061	0.25247	0.136267	0.00317	0.011306	0.80747	0.020928
0.075579	0.10284	0.024066	0.60393	0.150426	0.00111	0.034004	0.46352	0.016955
-0.00458	0.92139	-0.05755	0.21446	0.095131	0.03988	-0.01657	0.72096	0.026791
-0.00206	0.96464	-0.17221	0.00018	0.074932	0.10583	-0.04597	0.32157	0.035267
-0.05098	0.27158	0.021941	0.63627	0.455152	2.93E-25	0.489058	1.88E-29	0.494846
-0.00899	0.8464	0.011816	0.79898	0.346995	1.17E-14	0.348636	8.58E-15	0.41107
0.060141	0.19451	0.033276	0.47314	0.349323	7.55E-15	0.086236	0.0626	0.119196
0.054668	0.23835	-0.02497	0.59037	0.2003	1.29E-05	0.044827	0.33374	0.057427
0.045082	0.33099	-0.03723	0.42223	0.159188	0.00055	0.027359	0.55535	0.032721
0.063825	0.16852	-0.00823	0.85928	0.187685	4.48E-05	0.039723	0.39175	0.041863
0.063043	0.17381	-0.02424	0.60132	0.204568	8.35E-06	0.037318	0.42106	0.020289
0.077669	0.09365	0.00978	0.83305	0.167781	0.00027	0.019333	0.67689	0.070903
0.055688	0.2297	-0.01689	0.71576	0.248914	5.02E-08	0.058122	0.20995	0.053907
0.054624	0.23873	-0.00318	0.94534	0.166365	0.00031	0.056171	0.22568	0.026364
0.030946	0.5047	-0.05772	0.21313	0.140895	0.00227	0.057809	0.21241	0.074167
0.070999	0.12549	-0.02913	0.53007	0.109039	0.01842	0.009476	0.83817	0.030358
0.032445	0.48428	-0.01496	0.74704	0.087065	0.06011	-0.02845	0.53974	-0.04923
0.127013	0.00599	0.068559	0.13905	0.43505	5.49E-23	0.135497	0.00335	0.131941
0.102932	0.02613	0.044598	0.33621	0.296945	5.83E-11	0.116327	0.01188	0.06883
0.099134	0.03221	-0.0172	0.71091	0.351597	4.91E-15	0.058495	0.20703	0.069397
0.029246	0.5284	0.022738	0.62404	0.228868	5.76E-07	0.052475	0.25775	4.88E-05
0.141519	0.00217	0.137661	0.00287	0.384064	7.32E-18	0.038326	0.40862	0.06377
0.070048	0.13065	0.065329	0.15869	0.129336	0.00512	0.010908	0.81414	0.078287
0.101915	0.02765	0.025632	0.58059	0.142348	0.00204	0.027286	0.5564	0.036354
0.033357	0.47207	-0.03917	0.39832	0.139088	0.00259	0.0279	0.54756	0.010623
0.142118	0.00208	0.063472	0.17089	0.112144	0.01532	0.008696	0.85133	0.061283
0.063555	0.17033	0.037103	0.42376	0.067939	0.14266	0.026746	0.56426	0.013586
-0.00516	0.91143	-0.00075	0.98702	0.379807	1.79E-17	0.288988	1.96E-10	0.131532
0.104594	0.02379	0.051386	0.26777	0.041951	0.36571	0.014577	0.75338	-0.00797
0.058117	0.20998	-0.01949	0.67442	0.140482	0.00234	0.017901	0.69962	0.006242
0.024361	0.59951	-0.01231	0.7908	0.083864	0.0702	0.027448	0.55407	-0.02478
-0.00336	0.94228	-0.09076	0.04997	0.052686	0.25583	-0.01802	0.69765	-0.05262
0.01344	0.77207	-0.01318	0.77629	0.093641	0.04311	0.011971	0.79639	-0.00285

-0.06142	0.18515	-0.02936	0.52674	0.106494	0.02135	0.137535	0.0029	0.096305
0.095353	0.03942	0.029701	0.522	0.130328	0.00479	0.017718	0.70254	0.002971
0.119076	0.01001	0.171993	0.00019	0.149104	0.00123	0.045309	0.32857	0.145172
0.11936	0.00983	-0.15526	0.00076	0.077079	0.09617	-0.02482	0.5926	0.006727
0.049562	0.28514	0.078971	0.08826	0.104522	0.02389	0.043543	0.34779	0.1135
0.116933	0.01144	0.039432	0.39523	0.138967	0.00262	0.027039	0.55999	0.049663
0.044733	0.33476	-0.07543	0.10355	0.095944	0.03821	0.003939	0.93235	0.023109
0.001481	0.97454	-0.03338	0.47174	0.212363	3.66E-06	0.280797	6.55E-10	0.567501
0.01001	0.82918	-0.00054	0.99078	0.155804	0.00073	0.226532	7.55E-07	0.675579
0.100438	0.02999	0.062132	0.18012	0.104882	0.02341	-0.01322	0.77577	0.002157
0.069318	0.13472	0.098512	0.03331	0.110762	0.01664	0.125133	0.00678	-0.00105
0.072607	0.11713	-0.0193	0.67739	0.141319	0.00221	0.031575	0.49608	0.05273
0.051378	0.26784	-0.03826	0.40939	0.084604	0.06775	0.041785	0.36761	-0.00599
0.097555	0.03507	-0.00077	0.98681	0.129526	0.00506	0.026748	0.56423	0.040859
0.027435	0.55426	-0.05216	0.26058	0.107957	0.01962	-0.01735	0.70836	-0.00211
0.257905	1.56E-08	0.049461	0.28613	0.146209	0.00153	-0.00759	0.87011	0.130011
0.16284	0.00041	0.01213	0.79375	0.07441	0.10829	-0.01647	0.72252	-0.00922
-0.04235	0.36114	-0.11522	0.01272	0.091963	0.04701	0.001502	0.97417	0.198128
0.055606	0.23039	-0.08296	0.07327	0.076072	0.10061	-0.00779	0.86659	-0.00488
0.012054	0.79502	-0.04203	0.36478	0.134453	0.0036	0.036234	0.43469	0.1048
0.01549	0.73849	-0.05476	0.23754	0.065955	0.15473	-0.01575	0.73428	-0.00036
0.115148	0.01277	-0.12673	0.0061	0.030837	0.5062	-0.03316	0.47464	0.034855
0.009567	0.83663	-0.08335	0.07194	0.18685	4.85E-05	0.160336	0.0005	0.261773
0.036071	0.43677	-0.02751	0.5532	0.126143	0.00634	-0.01834	0.69269	-0.01948
0.060116	0.19469	-0.00168	0.9712	0.147724	0.00137	0.058517	0.20686	0.069799
0.000222	0.99619	-0.06361	0.16998	0.062327	0.17876	0.007537	0.87097	0.088495
0.112026	0.01543	0.046722	0.31368	0.160851	0.00048	0.029326	0.52728	0.04035
0.073134	0.11449	-0.16071	0.00049	0.04841	0.2965	0.004145	0.92882	-0.01871
0.024769	0.5934	-0.04333	0.35015	0.088713	0.0554	0.017858	0.7003	0.013587
0.018837	0.68473	-0.04816	0.29901	0.140793	0.00229	0.015636	0.73611	0.010692
0.084432	0.06831	-0.01875	0.68612	0.161044	0.00048	0.02512	0.58818	0.021968
-0.0601	0.19478	-0.22344	1.07E-06	0.158524	0.00059	0.09477	0.04065	0.029813
-0.01363	0.76901	-0.11639	0.01183	0.005086	0.91271	-0.07345	0.11295	0.025026
0.422253	1.29E-21	0.205797	7.34E-06	0.075194	0.10461	-0.04407	0.34198	0.022673
0.102059	0.02743	0.003021	0.94808	0.116393	0.01183	-0.01596	0.73092	0.018704
0.078372	0.0907	0.031751	0.49367	0.114187	0.01355	0.029365	0.52673	0.012657
0.038609	0.40517	-0.04843	0.29628	0.107675	0.01994	-0.00095	0.98361	0.001003
0.001612	0.97228	0.020215	0.66304	0.102964	0.02608	0.190723	3.34E-05	0.157123
0.054408	0.2406	-0.01583	0.7329	0.12875	0.00533	0.042897	0.35499	-0.00052
0.110228	0.01718	0.010882	0.81456	0.108964	0.0185	0.004986	0.91442	-0.03725
0.106852	0.02092	0.041197	0.3744	0.111362	0.01606	-0.0039	0.93299	-0.00476
0.003931	0.93248	-0.08211	0.07628	0.061696	0.1832	0.002185	0.96244	0.041422
0.097529	0.03512	0.043361	0.3498	0.12892	0.00527	0.021103	0.6492	0.028723
0.086302	0.06239	0.052031	0.2618	0.094274	0.04171	-0.00752	0.8713	0.032937
-0.06288	0.17492	-0.20195	1.09E-05	0.033386	0.47168	-0.08726	0.05954	-0.02618

0.013623	0.76905	-0.09786	0.0345	0.106828	0.02094	0.012561	0.7866	0.152065
0.039727	0.3917	-0.18245	7.32E-05	0.100579	0.02976	-0.01428	0.7582	-0.01085
0.019852	0.66873	-0.04384	0.34449	0.110127	0.01728	0.061873	0.18195	0.055975
0.072394	0.11821	-0.34688	1.19E-14	0.021678	0.6403	-0.105	0.02325	-0.10129
-0.04226	0.36213	-0.19389	2.45E-05	0.086183	0.06276	-0.03806	0.41187	-0.05755
-0.02855	0.53828	-0.08709	0.06004	0.090205	0.0514	-0.01121	0.80913	-0.0477
0.075449	0.10344	-0.06239	0.17834	0.113806	0.01386	-0.02023	0.66284	0.018714
0.171847	0.00019	0.10014	0.03049	0.025088	0.58866	-0.08785	0.05783	0.003497
0.006537	0.88795	-0.04756	0.30506	0.079308	0.0869	-0.00439	0.92457	-0.00094
0.237106	2.17E-07	0.019563	0.67327	0.108224	0.01932	0.001625	0.97206	0.0379
0.084425	0.06833	0.051434	0.26732	0.102651	0.02654	-0.01672	0.71857	0.002094
0.120961	0.00888	-0.15645	0.00069	0.069375	0.13439	-0.0924	0.04597	-0.09138
-0.02938	0.52649	-0.18064	8.66E-05	0.059475	0.1995	-0.00861	0.85282	-0.02393
0.042529	0.35913	-0.03327	0.47323	0.084195	0.06909	0.004277	0.92655	-0.01618
-0.00836	0.85702	-0.10265	0.02654	0.099866	0.03095	0.099732	0.03117	0.356204
0.08426	0.06888	-0.02771	0.55033	0.132193	0.00421	0.01421	0.75939	0.038087
0.121837	0.0084	-0.04462	0.33594	0.12762	0.00575	0.026809	0.56333	0.058385
0.005331	0.90852	-0.08103	0.08024	0.126181	0.00633	-0.00204	0.96487	-0.00195
0.047298	0.30775	-0.00021	0.99646	0.164435	0.00036	0.031773	0.49337	0.031833
0.005542	0.90493	-0.05363	0.24738	0.136498	0.00312	0.083078	0.07287	0.031149
0.025699	0.5796	-0.04377	0.34531	0.145139	0.00166	0.024423	0.59858	0.006134
0.008541	0.85394	-0.11049	0.01691	0.074547	0.10764	-0.01988	0.66829	-0.00956
0.071676	0.12192	0.007123	0.87798	0.170125	0.00022	0.038446	0.40716	0.033919
0.108253	0.01929	0.038739	0.40359	0.124793	0.00693	0.02638	0.5696	0.035557
0.118152	0.01061	0.049974	0.28115	0.143083	0.00194	0.03551	0.44394	0.059978
0.058979	0.20329	0.029013	0.53169	0.162639	0.00042	0.0436	0.34715	0.054834
0.073429	0.11304	-0.0178	0.70115	0.153516	0.00087	0.01093	0.81377	0.023353
0.079402	0.08653	0.010567	0.81983	0.08591	0.0636	0.042648	0.3578	0.017676
0.075853	0.1016	0.018814	0.6851	0.141193	0.00223	0.03506	0.44974	0.052642
0.066645	0.15045	-0.03445	0.45768	0.161081	0.00047	0.036585	0.43025	0.035294
0.070907	0.12598	0.008528	0.85416	0.143938	0.00182	0.019752	0.6703	0.038806
0.10234	0.027	0.021054	0.64997	0.145338	0.00164	0.013392	0.77286	0.033337
0.086806	0.06087	0.026582	0.56664	0.157712	0.00063	0.032967	0.47726	0.059574
0.088678	0.05549	0.003494	0.93997	0.137952	0.00281	-0.00121	0.97917	0.014601
0.123581	0.0075	0.011468	0.80477	0.149347	0.00121	0.041607	0.36966	0.031313
0.121495	0.00858	0.009488	0.83796	0.10519	0.023	0.003777	0.93512	0.019463
0.152059	0.00098	0.094224	0.04182	0.055054	0.23506	-0.05192	0.26281	-0.00199
0.068542	0.13914	-0.01599	0.7304	0.119535	0.00972	-0.00688	0.8821	0.007379
0.110493	0.01691	0.018498	0.69011	0.118151	0.01061	0.003759	0.93543	0.054323
0.063352	0.1717	0.001968	0.96617	0.135491	0.00335	0.022855	0.62226	0.006838
0.079222	0.08725	0.024119	0.60314	0.131888	0.0043	0.020877	0.65271	0.054669
0.080354	0.08281	0.007413	0.87306	0.155522	0.00075	0.036486	0.43151	0.027866
0.053534	0.24825	-0.01877	0.68583	0.105231	0.02295	-0.00783	0.86606	0.006792
0.019027	0.68173	-0.03142	0.49822	0.151797	0.001	0.047483	0.30586	0.009696
0.112139	0.01533	0.010888	0.81447	0.144295	0.00177	0.011329	0.8071	0.0075

0.060672	0.1906	0.008074	0.86185	0.08839	0.05629	0.005753	0.90132	0.000349
0.022856	0.62226	-0.07081	0.12651	0.155933	0.00072	0.016435	0.72316	-0.0093
0.052875	0.25413	-0.01111	0.81068	0.142267	0.00206	0.007036	0.87946	0.00337
0.062608	0.1768	-0.00264	0.95459	0.151909	0.00099	0.010392	0.82277	0.034637
0.079476	0.08624	0.052473	0.25776	0.161657	0.00045	0.033559	0.46938	0.060482
0.087907	0.05766	0.031721	0.49408	0.149829	0.00116	0.019897	0.66801	0.027756
0.041274	0.3735	-0.04948	0.2859	0.153514	0.00087	0.025478	0.58286	0.040597
-0.00313	0.94615	-0.21768	2.05E-06	0.089788	0.0525	-0.04044	0.38319	-0.0462
0.014731	0.75086	-0.15466	0.0008	0.107754	0.01985	-0.00676	0.8841	-0.02991
0.178585	0.0001	0.026055	0.57436	0.143524	0.00187	0.001379	0.97629	0.027523
0.113925	0.01376	0.043933	0.34348	0.165526	0.00033	0.037757	0.41562	0.05465
0.034123	0.46195	-0.06709	0.14772	0.120813	0.00897	-9.58E-05	0.99835	-0.02852
0.067418	0.14576	0.007316	0.87471	0.146086	0.00155	0.049213	0.28856	0.060189
0.014536	0.75405	-0.03133	0.49945	0.145707	0.00159	0.017562	0.70504	0.011148
0.03155	0.49641	-0.01103	0.81209	0.129292	0.00514	0.010467	0.82151	-0.00563
0.04202	0.36493	-0.04971	0.28369	0.100404	0.03005	0.00477	0.91812	-0.02187
0.031848	0.49235	-0.02718	0.55799	0.133044	0.00397	0.038226	0.40984	-0.00393
0.061454	0.18493	0.006121	0.89504	0.140785	0.00229	0.042581	0.35855	0.005483
0.052478	0.25772	0.021331	0.64567	0.104948	0.02332	-0.01052	0.8206	0.010099
0.055303	0.23294	-0.00969	0.83454	0.154781	0.00079	0.024677	0.59477	0.0062
0.05397	0.24442	-0.05877	0.20487	0.096841	0.03643	-0.00703	0.87951	-0.028
0.054221	0.24223	-0.00732	0.87472	0.10499	0.02327	0.024753	0.59364	-0.00041
0.034151	0.46158	-0.00672	0.8849	0.067891	0.14295	0.011384	0.80618	-0.01368
0.042558	0.35881	-0.01531	0.74135	0.141557	0.00217	0.03354	0.46965	0.04748
0.085322	0.06544	0.010284	0.82459	0.145142	0.00166	0.041331	0.37285	0.048397
0.082713	0.07414	-0.00794	0.8641	0.154164	0.00083	0.034585	0.45591	0.026023
0.072911	0.1156	-0.03942	0.39532	0.085426	0.06511	-0.01203	0.79536	-0.01358
0.07685	0.09717	0.010737	0.817	0.160379	0.0005	0.044009	0.34264	0.046794
0.071986	0.12031	-0.00738	0.8737	0.152742	0.00093	0.024647	0.59523	0.029997
0.122763	0.00791	0.051391	0.26772	0.149758	0.00117	0.025731	0.57913	0.058632
0.108864	0.01861	0.02997	0.51824	0.128604	0.00538	0.008108	0.86128	0.012677
0.066126	0.15366	-0.03939	0.39571	0.139201	0.00257	0.021595	0.64159	0.032307
0.12373	0.00743	0.043242	0.35113	0.103689	0.02504	0.002303	0.96041	0.029931
0.078142	0.09166	0.020071	0.66529	0.14694	0.00145	0.027722	0.55012	0.042156
0.05732	0.21631	-0.00583	0.89997	0.109365	0.01807	0.025642	0.58045	0.049179
0.110287	0.01712	0.025738	0.57902	0.145169	0.00166	0.024118	0.60316	0.041004
0.116735	0.01159	0.047281	0.30792	0.173991	0.00016	0.054136	0.24296	0.055533
0.04953	0.28546	0.052793	0.25487	0.096017	0.03806	-0.00272	0.95324	-0.01958
0.06489	0.16151	0.002492	0.95717	0.15943	0.00054	0.015658	0.73576	0.050154
0.06598	0.15457	0.000738	0.98731	0.153359	0.00088	0.040986	0.37685	0.062229
0.115067	0.01284	0.046772	0.31317	0.098644	0.03307	0.018678	0.68724	0.007856
0.049117	0.2895	0.003804	0.93466	0.155988	0.00072	0.027846	0.54833	0.077752
0.117574	0.011	0.047394	0.30677	0.145177	0.00166	0.015602	0.73667	0.033741
0.103415	0.02543	0.018623	0.68812	0.15136	0.00103	0.019875	0.66836	0.027197
0.065034	0.16058	0.005077	0.91288	0.088816	0.05511	0.015933	0.7313	-0.00259



0.043544	0.34778	-0.04543	0.32726	0.16649	0.0003	0.050618	0.27499	0.054562
0.112064	0.0154	0.062223	0.17949	0.144163	0.00179	0.033554	0.46946	0.035498
0.148265	0.00131	-0.03185	0.49229	0.116513	0.01175	0.023454	0.61317	0.044032
0.111226	0.01619	-0.08219	0.07602	0.098843	0.03272	0.007386	0.87352	-0.02688
0.087319	0.05936	0.018081	0.69674	0.12753	0.00578	0.025906	0.57655	0.0251
0.083653	0.0709	0.024916	0.59121	0.108713	0.01877	0.010483	0.82124	0.026139
0.122899	0.00784	0.053464	0.24887	0.115907	0.01219	0.025651	0.58031	0.042735
0.092192	0.04646	0.048005	0.30057	0.170381	0.00022	0.030228	0.51464	0.031022
0.033432	0.47108	-0.02071	0.65529	0.156715	0.00068	0.059532	0.19908	0.038471
0.109224	0.01822	0.014159	0.76023	0.092955	0.04467	0.01633	0.72486	0.013799
0.091539	0.04804	-0.00698	0.88039	0.120003	0.00944	0.001774	0.9695	0.034383
0.047908	0.30155	-0.03071	0.50795	0.114043	0.01367	0.006155	0.89446	0.002395
0.099185	0.03212	0.030768	0.50716	0.090268	0.05124	0.025306	0.58542	0.052543
0.047928	0.30135	-0.04614	0.31978	0.133794	0.00377	0.022423	0.62886	0.034981
0.001944	0.96658	0.001625	0.97206	0.081675	0.07786	-0.00501	0.91402	-0.00122
0.07303	0.11501	0.020615	0.6568	0.126336	0.00626	-0.00382	0.93447	0.036433
0.069741	0.13235	0.060919	0.18879	0.069772	0.13217	-0.00935	0.84023	0.012853
0.051107	0.27038	-0.02028	0.66207	0.147244	0.00142	0.01876	0.68595	0.010919
0.059122	0.20219	0.000797	0.9863	0.151082	0.00106	0.029449	0.52553	0.005324
0.070739	0.12689	-0.05469	0.23813	0.106877	0.02088	0.023178	0.61735	0.039416
0.080806	0.08109	0.001087	0.98131	0.162996	0.00041	0.029893	0.51932	0.041098
0.033829	0.46581	-0.07811	0.09179	0.113882	0.0138	0.03768	0.41658	0.001211
0.084721	0.06737	-0.00367	0.93704	0.188316	4.22E-05	0.034572	0.45607	0.04976
0.012111	0.79407	-0.06157	0.18412	0.059467	0.19957	-0.00783	0.86592	-0.01392
0.048595	0.29466	-0.00196	0.96624	0.098615	0.03312	0.009189	0.843	0.010275
-0.01751	0.70583	-0.07722	0.09556	0.135422	0.00337	0.026213	0.57205	-0.01442
0.02377	0.60839	-0.00966	0.83499	0.064831	0.16189	-0.00633	0.8915	-0.00595
0.121218	0.00874	0.048268	0.29792	0.136824	0.00305	0.027589	0.55204	0.009862
0.09444	0.04135	0.052249	0.2598	0.103338	0.02554	0.037327	0.42096	0.05954
0.052151	0.2607	-0.00953	0.83719	0.141276	0.00221	0.014965	0.74703	0.104909
0.076812	0.09733	-0.07423	0.10913	0.141106	0.00224	0.01868	0.68721	0.013846
0.061863	0.18202	-0.00447	0.92317	0.161421	0.00046	0.000381	0.99345	0.034187
0.067645	0.14441	0.018674	0.68732	0.136619	0.00309	0.013638	0.7688	0.033109
-0.00057	0.99021	-0.10012	0.03052	0.123589	0.0075	0.039293	0.39689	0.088964
0.279498	7.91E-10	-0.03892	0.40144	0.08087	0.08085	-0.05729	0.21656	0.007563
0.014871	0.74857	-0.06595	0.15476	0.204416	8.48E-06	0.144524	0.00174	0.101781
0.08133	0.07913	-0.0033	0.94325	0.158753	0.00057	0.037856	0.41441	0.080717
0.019314	0.6772	-0.05092	0.27218	0.110832	0.01657	0.007151	0.87751	0.015445
0.258966	1.36E-08	-0.18647	5.03E-05	0.02655	0.56712	-0.09486	0.04046	-0.11489
0.078951	0.08834	-0.10433	0.02415	0.039246	0.39746	-0.02438	0.59927	0.056396
-0.03965	0.39259	0.012684	0.78456	0.056889	0.21979	0.011654	0.80167	-0.02239
0.099641	0.03133	-0.01189	0.79772	0.074795	0.10647	-0.00374	0.93571	0.011463
0.019513	0.67406	-0.06412	0.16654	0.126781	0.00608	0.016786	0.7175	0.026948
0.090401	0.0509	-0.04573	0.32404	0.12925	0.00515	0.014464	0.75523	0.008944
0.042357	0.36108	-0.01553	0.73787	0.130112	0.00486	0.019716	0.67086	0.048032

-0.0641	0.16666	-0.02734	0.55569	0.321546	1.08E-12	0.412185	1.40E-20	0.106429
0.093975	0.04237	-0.0276	0.55184	0.131814	0.00433	0.002924	0.94976	-0.00156
0.082469	0.07501	-0.06759	0.14473	0.065009	0.16075	-0.02786	0.54813	-0.00772
0.094866	0.04044	0.064092	0.16674	0.12996	0.00491	-0.00152	0.97393	0.013601
0.048398	0.29662	-0.0285	0.53899	0.07184	0.12106	-0.02131	0.64604	-0.03396
0.07713	0.09595	-0.04168	0.3688	0.097801	0.03461	-0.00735	0.87409	-0.00617
0.120999	0.00886	0.055621	0.23026	0.103663	0.02508	0.005314	0.90882	0.011165
0.10785	0.01974	0.041079	0.37576	0.11389	0.01379	0.004063	0.93022	0.02799
0.040193	0.38616	-0.06658	0.15086	0.076085	0.10055	-0.02045	0.65933	-0.0079
0.10906	0.0184	-0.03525	0.44724	0.108538	0.01897	-0.01165	0.8018	-0.0126
0.067092	0.14773	0.000293	0.99496	0.145737	0.00159	0.02658	0.56667	0.01837
0.025046	0.58928	0.04593	0.32197	0.096086	0.03792	0.023558	0.6116	0.034763
0.005879	0.89917	-0.055	0.2355	0.05118	0.2697	0.050538	0.27575	0.000786
0.113457	0.01416	0.00428	0.92651	0.098938	0.03255	0.029714	0.52182	0.041285
0.071353	0.12361	0.002151	0.96302	0.157107	0.00066	0.032131	0.48851	0.038024
-0.00556	0.90462	-0.11332	0.01428	0.060849	0.1893	-0.01988	0.66834	-0.02492
0.075551	0.10297	-0.00514	0.91178	0.109987	0.01742	0.008121	0.86106	0.025076
0.066062	0.15406	-0.02655	0.56712	0.128578	0.00539	0.01426	0.75858	-0.02623
0.098343	0.03361	0.06938	0.13436	0.088509	0.05596	0.003175	0.94544	0.013459
0.067863	0.14311	0.021424	0.64423	0.094168	0.04195	-0.01266	0.78503	-0.00572
0.106144	0.02178	0.022057	0.63448	0.092604	0.04549	-0.0079	0.86474	0.017168
0.104818	0.02349	0.033695	0.46758	0.118647	0.01028	0.007831	0.86596	-0.00178
0.036086	0.43658	-0.04285	0.3555	0.053755	0.2463	-0.00456	0.92165	-0.02885
0.315829	2.82E-12	0.092641	0.0454	0.128952	0.00526	-0.00873	0.85077	0.026072
0.113062	0.0145	0.078564	0.08991	0.107654	0.01997	-0.01108	0.81131	0.036781
0.098335	0.03363	-0.01719	0.71105	0.126449	0.00621	0.020436	0.65958	0.03035
0.090001	0.05194	0.0106	0.81928	0.146682	0.00148	0.013078	0.77805	0.029602
0.099232	0.03204	-0.0388	0.40287	0.104377	0.02409	-0.02379	0.60811	-0.01125
0.02691	0.56186	0.094238	0.04179	0.067122	0.14754	-0.01087	0.8148	0.097375
-0.00496	0.91487	-0.00089	0.98465	0.052879	0.25409	-0.00076	0.98689	0.008475
0.032058	0.4895	-0.20745	6.17E-06	0.040072	0.3876	-0.04324	0.35116	-0.03823
0.117019	0.01138	-0.01051	0.82088	0.079312	0.08689	-0.02285	0.62238	-0.01089
0.136143	0.0032	0.042724	0.35694	0.149283	0.00121	0.024137	0.60287	0.047783
-0.00869	0.85147	-0.09471	0.04078	0.07499	0.10556	-0.00743	0.87284	0.01537
0.038852	0.40222	-0.01355	0.77021	0.049627	0.28451	-0.02526	0.58612	0.083456
0.0212	0.6477	-0.06156	0.18414	0.06265	0.17651	-0.02553	0.58212	0.140832
0.138066	0.00279	0.002056	0.96465	0.082996	0.07316	-0.01433	0.75742	-0.00623
0.0066	0.88689	-1.42E-05	0.99976	0.287445	2.47E-10	0.592395	1.42E-45	0.243192
0.02368	0.60975	-0.10275	0.02639	0.048751	0.29311	-0.00985	0.83187	-0.01961
0.084913	0.06675	-0.10641	0.02145	0.101023	0.02905	-0.01086	0.8149	-0.01978
0.092513	0.0457	-0.01389	0.76472	0.116501	0.01175	-0.00049	0.99154	0.004475
0.078335	0.09085	0.014501	0.75463	0.162902	0.00041	0.030477	0.51118	0.036437
0.093141	0.04424	0.073128	0.11452	0.054744	0.23771	0.051406	0.26758	0.02223
0.016154	0.72771	-0.02993	0.51885	0.142067	0.00209	0.034643	0.45515	0.026684
0.117479	0.01106	0.106384	0.02149	0.071705	0.12177	0.02496	0.59055	0.046208

0.039175	0.39831	-0.02267	0.6251	0.101361	0.02851	0.01684	0.71664	-0.01193
0.027415	0.55455	-0.11463	0.01319	0.129403	0.0051	0.037184	0.42274	0.035217
0.039908	0.38954	-0.09011	0.05165	0.053885	0.24516	-0.04815	0.29915	-0.0155
0.002944	0.94941	0.008741	0.85057	0.066727	0.14994	-0.03273	0.48045	-0.02916
0.044403	0.33833	-0.06769	0.14415	0.148751	0.00126	0.015433	0.73941	0.025373
0.013498	0.77111	0.001383	0.97622	0.101145	0.02885	0.003254	0.9441	-0.01831
0.157044	0.00066	0.02119	0.64785	0.0933	0.04388	-0.04627	0.3184	0.040662
0.035579	0.44305	-0.08799	0.05743	0.124428	0.0071	0.01656	0.72115	0.001591
0.007426	0.87284	-0.10172	0.02795	0.085273	0.0656	0.064828	0.16191	-0.01035
0.101922	0.02764	0.014377	0.75665	0.135563	0.00333	0.022062	0.63439	0.031958
0.154237	0.00083	0.12195	0.00834	0.061757	0.18277	-0.02568	0.57993	0.002736
0.070912	0.12596	-0.10615	0.02177	0.109393	0.01804	-0.00244	0.95807	-0.00774
0.129187	0.00517	-0.04859	0.29471	0.089513	0.05322	-0.00691	0.88158	0.025793
0.195687	2.06E-05	-0.13574	0.00329	0.051456	0.26711	-0.0317	0.4944	0.087874
0.085536	0.06476	-0.02943	0.52586	0.136821	0.00305	0.005687	0.90246	0.019348
0.181349	8.11E-05	0.045626	0.32518	0.076511	0.09866	-0.02831	0.5417	-0.01779
0.033377	0.4718	0.063235	0.1725	0.266991	4.60E-09	0.179012	0.0001	0.392084
-0.02631	0.57069	-0.15996	0.00052	0.052055	0.26158	-0.01303	0.7789	-0.04422
0.054381	0.24083	-0.02827	0.54223	0.133426	0.00387	0.065639	0.15672	0.023356
0.101285	0.02863	0.039614	0.39305	0.147866	0.00135	0.016113	0.72838	0.017628
0.014197	0.75962	-0.05604	0.22672	0.111031	0.01638	-0.02056	0.65767	-0.02532
-0.07107	0.1251	-0.08533	0.06541	0.197982	1.63E-05	0.161449	0.00046	0.250824
0.250585	4.05E-08	0.153607	0.00087	0.117685	0.01092	0.043302	0.35046	0.085704
0.189815	3.65E-05	0.049579	0.28498	0.03226	0.48676	0.014212	0.75936	-0.09129
0.036175	0.43544	-0.06411	0.16661	0.089886	0.05224	-0.0119	0.79752	-0.00975
0.116951	0.01143	0.038348	0.40835	0.101079	0.02896	-0.01292	0.78059	-0.01367
-0.04906	0.29009	-0.13594	0.00324	0.042269	0.36208	-0.00667	0.88565	-0.0498
0.087603	0.05853	-0.0242	0.60195	0.147094	0.00143	0.024224	0.60157	0.046424
0.046645	0.31449	-0.03033	0.51329	0.123646	0.00747	0.006499	0.88861	0.001413
0.142561	0.00201	-0.03722	0.42226	0.136327	0.00316	-6.94E-05	0.99881	0.001318
0.121343	0.00867	-0.01855	0.68931	0.088012	0.05736	-0.04336	0.3498	-0.04161
0.188691	4.07E-05	-0.04604	0.3208	0.033038	0.47631	-0.04579	0.32348	-0.00366
0.046267	0.31843	-0.05485	0.23678	0.079105	0.08772	0.005605	0.90384	0.011558
0.043633	0.34679	-0.06694	0.14867	0.038943	0.40111	0.006347	0.89119	-0.01387
0.10081	0.02939	0.030199	0.51504	0.166388	0.0003	0.028446	0.53975	0.065539
-0.0037	0.9364	-0.17122	0.0002	0.066814	0.14941	-0.0658	0.15571	-0.0315
0.053403	0.24941	-0.12695	0.00601	0.099803	0.03105	-0.01482	0.74939	-0.0236
0.01004	0.82868	0.026441	0.5687	0.028261	0.54239	-0.0354	0.44536	0.052612
0.100472	0.02994	0.015453	0.73909	0.15227	0.00096	0.007217	0.8764	0.028486
0.031959	0.49084	-0.03338	0.47179	0.049289	0.28781	-0.04345	0.34876	-0.02845
0.092217	0.0464	0.02932	0.52736	0.141534	0.00217	0.053478	0.24875	0.095059
0.025051	0.58921	-0.06636	0.15221	0.100241	0.03032	-0.015	0.74644	-0.02994
0.103848	0.02482	-0.05648	0.2231	0.090397	0.05091	-0.01613	0.72804	0.00333
-0.01818	0.69524	-0.11338	0.01423	0.052435	0.25811	-0.00817	0.8603	-0.05021
0.065706	0.15629	-0.00088	0.98479	0.133633	0.00381	0.002606	0.95521	0.00441

0.077096	0.0961	-0.03745	0.41939	0.07531	0.10408	0.008619	0.85263	-0.00572
0.031715	0.49417	-0.10961	0.01782	0.066659	0.15036	0.011579	0.80292	0.080466
0.043293	0.35056	0.008091	0.86157	0.133855	0.00376	-0.01006	0.82843	0.012626
0.093887	0.04256	0.017571	0.7049	0.141663	0.00215	0.009705	0.83432	0.027077
0.060282	0.19346	-0.00755	0.87078	0.107928	0.01965	0.028583	0.53779	0.024979
0.106967	0.02078	-0.02396	0.60557	0.137638	0.00288	0.020912	0.65217	0.063048
-0.03895	0.40101	-0.15209	0.00098	0.075431	0.10352	0.019143	0.6799	-0.00573
0.046327	0.3178	-0.0703	0.12927	0.137166	0.00298	0.022656	0.62531	0.017854
0.219141	1.74E-06	0.038462	0.40696	0.094912	0.04034	-0.02062	0.65679	0.0245
0.123485	0.00755	0.053474	0.24878	0.152045	0.00098	0.031189	0.50135	0.052941
0.050041	0.28051	-0.01784	0.70066	0.119438	0.00978	0.007551	0.87071	0.022818
0.009371	0.83995	0.053883	0.24517	0.11754	0.01102	0.092219	0.04639	-0.01005
0.078707	0.08933	-0.05358	0.24781	0.13001	0.00489	0.010681	0.81794	-0.04241
0.154084	0.00084	-0.05243	0.2582	0.128784	0.00532	-0.02893	0.53288	0.01478
0.074604	0.10737	0.015258	0.74226	0.128601	0.00538	0.024888	0.59163	0.047271
0.059544	0.19899	-0.1666	0.0003	0.069851	0.13173	-0.05225	0.25982	0.052836
0.043044	0.35334	-0.20166	1.13E-05	0.095072	0.04001	-0.00482	0.91732	-0.00793
0.036446	0.43201	-0.06958	0.13324	0.03989	0.38975	-0.02914	0.52986	-0.00464
0.040938	0.37742	-0.01351	0.77089	0.114455	0.01333	-0.00371	0.93626	-0.01913
0.033308	0.47272	-0.01641	0.72351	0.068482	0.13949	-0.02038	0.66043	-0.017
0.058601	0.20621	-0.05689	0.21975	0.102981	0.02605	0.002689	0.95378	0.04147
0.139665	0.00249	0.039862	0.39009	0.12667	0.00612	0.016979	0.71439	0.049107
0.076012	0.10088	-0.09737	0.03542	0.071213	0.12436	-0.04285	0.35554	0.055357
0.031099	0.50259	-0.0857	0.06424	0.051088	0.27056	-0.01216	0.79326	-0.01268
0.132956	0.004	0.075578	0.10284	0.168336	0.00026	0.080396	0.08265	0.017519
0.033188	0.47431	-0.05306	0.25244	0.167003	0.00029	0.025493	0.58265	-0.00089
0.080386	0.08268	-0.02828	0.5421	0.12751	0.00579	0.018218	0.69456	0.01268
0.061552	0.18423	-0.06439	0.1648	0.12213	0.00824	0.006287	0.89221	0.052025
0.060158	0.19438	0.00277	0.95239	0.151624	0.00101	0.088137	0.05701	0.029459
-0.02067	0.65591	-0.12768	0.00572	0.110008	0.0174	0.018807	0.68521	-0.01374
0.047634	0.30433	-0.0791	0.08773	0.159977	0.00052	0.013013	0.77912	0.010322
0.007568	0.87044	-0.01931	0.67728	0.038687	0.40422	-0.02052	0.65833	-0.02842
0.095739	0.03863	0.009789	0.8329	0.097635	0.03492	0.045311	0.32855	0.048465
0.073707	0.11167	-0.00769	0.86836	0.122887	0.00785	0.023185	0.61725	0.01374
0.018513	0.68987	0.08464	0.06763	0.064601	0.16339	0.184153	6.25E-05	-0.03144
-0.03033	0.51322	-0.16699	0.00029	0.082146	0.07616	-0.07765	0.09374	-0.04919
0.023274	0.6159	-0.05042	0.27687	0.05273	0.25543	-0.0117	0.80092	-0.01237
0.012889	0.78116	-0.09018	0.05147	0.14707	0.00144	0.028726	0.53575	0.071027
0.045389	0.32771	-0.11406	0.01365	0.086828	0.06081	-0.07962	0.08566	-0.03946
-0.04323	0.35131	-0.00558	0.90426	0.07696	0.09669	-0.01502	0.7462	-0.01854
-0.04257	0.35862	-0.04573	0.32412	0.076467	0.09885	-0.02718	0.55791	-0.05573
-0.02268	0.62498	-0.04638	0.31729	0.071986	0.12031	-0.00319	0.94519	0.022241
0.021087	0.64946	-0.05118	0.26969	0.089371	0.05361	-0.03017	0.51543	-0.01643
0.015769	0.73395	-0.05542	0.23193	0.106118	0.02182	-0.01739	0.70782	-0.0074
0.051361	0.268	-0.09533	0.03947	0.065854	0.15536	0.04958	0.28497	0.006782

0.144035	0.0018	0.12628	0.00628	0.102271	0.02711	0.023969	0.6054	0.046677
-0.13513	0.00344	-0.2081	5.76E-06	0.097121	0.03589	0.272269	2.21E-09	-0.03891
-0.03738	0.42036	-0.0943	0.04166	0.122411	0.00809	0.243148	1.04E-07	0.003927
0.010415	0.82238	-0.12026	0.00929	0.110043	0.01736	0.013377	0.7731	0.044237
0.093216	0.04407	-0.05362	0.24751	0.075987	0.10099	-0.02308	0.61884	-0.0118
0.095106	0.03994	-0.0049	0.91592	0.102717	0.02644	0.030385	0.51246	0.010286
0.009036	0.84559	-0.03572	0.44131	0.082066	0.07645	-0.0084	0.85637	0.003385
-0.0345	0.45696	-0.07011	0.13028	0.180907	8.44E-05	0.276476	1.22E-09	0.49396
0.11565	0.01239	0.004563	0.92166	0.142006	0.0021	-0.00398	0.93172	-0.00904
0.108251	0.01929	0.044686	0.33527	0.135455	0.00336	0.011854	0.79834	0.029881
0.058651	0.20582	-0.04499	0.33199	0.072372	0.11833	-0.02109	0.64939	-0.03138
0.061659	0.18346	-0.12725	0.00589	0.08364	0.07095	-0.05257	0.25686	-0.01885
0.057803	0.21246	0.014394	0.75638	0.127564	0.00577	0.009539	0.83711	0.020333
0.058761	0.20497	-0.13871	0.00266	0.06485	0.16177	-0.06699	0.14834	-0.00577
-0.00095	0.98375	-0.16881	0.00025	0.103379	0.02548	-0.01731	0.70905	-0.02145
0.112857	0.01468	0.074095	0.1098	0.148783	0.00126	0.021838	0.63784	0.029097
-0.08117	0.07973	-0.19678	1.84E-05	0.113029	0.01453	0.03458	0.45598	0.211003
0.050342	0.27762	-0.02884	0.53421	0.104577	0.02382	0.023996	0.60498	0.039328
0.142072	0.00209	0.06504	0.16055	0.076794	0.09741	-0.02158	0.6418	0.018354
-0.01035	0.82346	-0.20245	1.04E-05	-0.01768	0.7032	-0.05481	0.23711	0.037798
0.041993	0.36523	-0.06195	0.18144	-0.01287	0.78144	0.020554	0.65775	-0.11142
-0.10313	0.02583	-0.27186	2.34E-09	-0.02578	0.57846	-0.07705	0.09632	-0.08007
-0.07688	0.09703	-0.24852	5.27E-08	-0.03871	0.4039	-0.07247	0.11785	-0.15666
-0.01543	0.73943	-0.03234	0.48569	0.008221	0.85936	0.050832	0.27297	-0.1027
0.217788	2.02E-06	0.147637	0.00138	-0.00374	0.9358	0.00291	0.94999	0.006153
-0.13962	0.0025	-0.25971	1.23E-08	-0.05728	0.21664	-0.02851	0.53882	-0.17113
0.106085	0.02186	-0.06746	0.14548	0.011516	0.80398	-0.00857	0.85341	0.045763
-0.05722	0.2171	-0.09287	0.04487	-0.03141	0.49829	-0.02991	0.51914	-0.08731
0.039271	0.39716	-0.04656	0.31537	0.002394	0.95885	0.027306	0.55613	-0.01953
-0.12996	0.00491	-0.23181	4.08E-07	-0.00546	0.9063	-0.03711	0.42371	-0.05017
-0.17406	0.00016	-0.37526	4.60E-17	-0.05072	0.27401	-0.10752	0.02012	-0.21529
0.115289	0.01266	-0.17394	0.00016	-0.02795	0.54681	-0.06749	0.14534	-0.02625
0.07326	0.11387	-0.13726	0.00296	-0.00754	0.87098	-0.02806	0.54529	-0.01111
0.180693	8.61E-05	0.062203	0.17962	-0.06058	0.19123	-0.12725	0.00589	-0.0598
-0.09498	0.0402	-0.09654	0.03702	-0.01263	0.78551	-0.04041	0.38355	-0.00173
0.147037	0.00144	0.005626	0.90349	-0.02857	0.53797	-0.04322	0.35142	-0.04162
-0.01443	0.75584	-0.11463	0.01318	-0.03866	0.4045	-0.11504	0.01286	-0.06264
-0.10566	0.0224	-0.37773	2.76E-17	0.015882	0.73212	-0.04645	0.31653	-0.09661
-0.01898	0.68241	-0.13394	0.00373	-0.02619	0.57234	-0.03895	0.40109	-0.16277
-0.02864	0.53692	-0.20101	1.20E-05	-0.02133	0.64564	-0.03351	0.46999	-0.13508
-0.05749	0.21495	-0.13504	0.00346	-0.01024	0.82539	-0.04869	0.29372	-0.07164
0.143058	0.00194	-0.074	0.11027	-0.02211	0.63366	-0.05236	0.25882	-0.00697
-0.05715	0.21766	-0.10985	0.01757	-0.01549	0.73846	-0.05572	0.22939	-0.05817
-0.05304	0.25266	-0.2847	3.71E-10	-0.02735	0.55548	-0.10187	0.02771	-0.08051
-0.01521	0.74297	-0.19366	2.51E-05	-0.04847	0.29594	-0.08321	0.07241	-0.16116

0.103675	0.02506	0.068099	0.14172	-0.00991	0.83091	0.022365	0.62976	-0.11085
-0.04117	0.37471	-0.3763	3.71E-17	-0.09424	0.04178	-0.17352	0.00016	-0.19018
-0.12394	0.00733	-0.10229	0.02708	-0.04199	0.36523	-0.05731	0.21639	-0.13781
-0.00791	0.86458	-0.1277	0.00572	-0.05762	0.21391	-0.06348	0.17082	-0.12648
-0.00931	0.84096	0.013488	0.77128	-0.02165	0.64081	-0.062	0.18108	-0.07047
-0.05845	0.2074	-0.22269	1.17E-06	-0.05804	0.21057	-0.10648	0.02136	-0.09786
-0.01251	0.78751	0.058023	0.21072	-0.0077	0.86814	0.002558	0.95603	-0.02568
0.092045	0.04681	-0.0509	0.27236	-0.02986	0.51971	-0.10699	0.02075	-0.09643
0.079314	0.08688	-0.0197	0.67112	0.027611	0.55171	0.038516	0.4063	-0.0117
-0.00772	0.86788	-0.19634	1.93E-05	-0.04987	0.2822	-0.14933	0.00121	-0.13435
-0.11876	0.01021	-0.24326	1.02E-07	-0.03932	0.39653	-0.09864	0.03307	0.009833
-0.04751	0.30554	-0.17526	0.00014	-0.01412	0.76088	-0.09165	0.04776	-0.09161
-0.17101	0.0002	-0.22948	5.36E-07	-0.03291	0.47804	-0.08573	0.06416	-0.0496
0.029076	0.53079	-0.19292	2.70E-05	-0.03179	0.49316	-0.07691	0.09689	-0.06912
0.002627	0.95485	0.150085	0.00114	0.0709	0.12602	0.099992	0.03074	0.192846
0.23553	2.62E-07	0.114018	0.01369	-0.01169	0.80112	-0.04923	0.28838	0.044127
0.175829	0.00013	0.045394	0.32765	-0.03438	0.45863	0.038179	0.41043	-0.08776
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-0.00981	0.83254	-0.09843	0.03346	0.003097	0.94678	0.023635	0.61043	0.019045
-0.01298	0.77966	-0.07975	0.08515	-0.03916	0.39846	-0.06741	0.14578	-0.20582
-0.14387	0.00183	-0.28392	4.15E-10	-0.03463	0.45536	-0.07036	0.12892	-0.1197
0.082875	0.07358	-0.26413	6.80E-09	-0.00123	0.9788	-0.06664	0.1505	-0.05252
0.098254	0.03378	-0.08035	0.08282	-0.03073	0.50766	-0.07895	0.08833	-0.06346
0.00417	0.92839	-0.16047	0.0005	-0.0469	0.31183	-0.09954	0.0315	-0.11555
-0.16668	0.0003	-0.24478	8.45E-08	-0.01128	0.808	-0.0394	0.39563	-0.05123
0.122674	0.00796	0.007983	0.86339	-0.01251	0.7874	-0.03638	0.43285	0.010915
0.046067	0.32053	-0.08926	0.05391	0.018792	0.68545	0.003853	0.93381	0.018823
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-0.00545	0.90651	-0.09791	0.03442	0.001632	0.97194	-0.03471	0.45428	-0.00619
-0.09823	0.03383	-0.34371	2.14E-14	-0.06667	0.15032	-0.14924	0.00122	-0.12135
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0.019662	0.67171	-0.23116	4.41E-07	-0.0531	0.25209	-0.08138	0.07895	-0.20169
0.370881	1.12E-16	0.071418	0.12327	-0.01716	0.71141	-0.05584	0.22844	-0.06272
0.04921	0.28858	-0.07188	0.12085	-0.04971	0.28371	-0.10048	0.02993	-0.12763
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0.065238	0.15927	-0.11807	0.01066	-0.0227	0.62465	-0.08543	0.06508	-0.10553
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0.043637	0.34675	-0.17969	9.44E-05	-0.00109	0.98129	-0.05506	0.23497	-0.06823
0.022992	0.62018	-0.11296	0.01459	0.004489	0.92292	-0.00822	0.85932	-0.05016
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-0.05822	0.20919	-0.24906	4.93E-08	-0.0217	0.63997	0.037685	0.41651	-0.15195
0.086613	0.06145	-0.2431	1.04E-07	-0.07115	0.12468	-0.1951	2.18E-05	-0.19183
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0.083407	0.07174	0.026972	0.56096	0.019658	0.67177	-0.06446	0.1643	-0.13323
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0.068485	0.13948	-0.00745	0.87238	0.021166	0.64823	-0.00531	0.9088	-0.06744
0.104127	0.02443	0.108512	0.019	0.016198	0.72699	-0.02416	0.6025	0.050753
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0.229587	5.30E-07	0.206272	6.99E-06	0.051206	0.26945	-0.03819	0.41034	0.155991
0.204928	8.04E-06	0.192746	2.75E-05	0.010569	0.81981	-0.08253	0.0748	0.038909
0.179712	9.42E-05	0.126121	0.00635	0.005039	0.91351	-0.09243	0.04588	0.000504
0.231651	4.16E-07	0.136705	0.00307	-0.0041	0.92963	-0.12726	0.00589	0.013134
0.010865	0.81486	-0.14334	0.0019	0.028375	0.54075	0.073254	0.1139	-0.00057
0.223464	1.07E-06	0.176784	0.00012	-0.02822	0.543	-0.01596	0.7309	-0.05919
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0.272769	2.06E-09	0.260081	1.17E-08	-0.05883	0.20446	-0.00072	0.98755	-0.0696
0.003549	0.93902	0.08126	0.07939	0.042036	0.36474	0.028369	0.54085	0.125711
0.022825	0.62272	0.068998	0.13653	0.026568	0.56685	-0.03155	0.49638	0.018584
0.01404	0.7622	0.110276	0.01713	0.004454	0.92353	0.008993	0.84631	0.030212
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-0.10169	0.028	-0.13302	0.00398	-0.00383	0.93426	-0.07638	0.09925	-0.00856
0.024169	0.60238	0.106072	0.02187	0.041127	0.37521	-0.00337	0.94202	0.064069
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-0.08291	0.07345	-0.182	7.63E-05	-0.05535	0.23255	-0.09246	0.04582	-0.19545
-0.08297	0.07325	-0.11151	0.01592	0.058235	0.20906	0.147684	0.00137	0.172079
0.065604	0.15694	0.031713	0.49419	0.046893	0.31192	0.059884	0.19643	0.085314
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0.038817	0.40265	0.022545	0.627	0.034459	0.45755	0.055353	0.23252	0.021187
0.179453	9.65E-05	0.207673	6.03E-06	0.008916	0.84761	0.037674	0.41665	-0.03153
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0.068119	0.14161	0.092365	0.04605	0.016006	0.7301	0.011228	0.80878	-8.88E-05
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0.056022	0.22692	0.112788	0.01474	-0.03634	0.4333	-0.09195	0.04703	-0.12606
-0.12242	0.00809	-0.05485	0.23679	0.038506	0.40643	0.064584	0.16351	0.029778
-0.13135	0.00447	-0.24009	1.51E-07	-0.00344	0.94082	-0.01664	0.71989	-0.09528
0.047116	0.30962	0.094732	0.04073	0.023444	0.61332	0.032624	0.48187	-0.09656
0.103036	0.02598	0.059858	0.19662	0.02383	0.60749	-0.0451	0.33078	-0.08028
0.259138	1.33E-08	0.16834	0.00026	-0.01505	0.74557	-0.07493	0.10583	0.01068
0.187881	4.39E-05	0.105845	0.02216	-0.04236	0.361	-0.13408	0.0037	-0.14342
-0.18599	5.26E-05	-0.23226	3.87E-07	-0.00181	0.96887	0.009394	0.83956	-0.19539
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0.097761	0.03468	0.297067	5.72E-11	0.06529	0.15894	0.075821	0.10174	0.10315
0.007256	0.87574	0.05546	0.23162	-0.02852	0.53866	0.060969	0.18843	-0.1995
0.007772	0.86698	-0.18461	5.99E-05	-0.09156	0.04799	-0.0972	0.03575	-0.24442
-0.13055	0.00472	-0.41717	4.34E-21	-0.00942	0.83906	0.003813	0.9345	-0.12843
-0.11796	0.01073	-0.02166	0.64064	-0.01264	0.78537	-0.00317	0.94546	0.084761
0.099232	0.03204	0.134086	0.0037	-0.01785	0.70042	-0.00612	0.895	0.029864
-0.25461	2.41E-08	-0.13846	0.00271	-0.03075	0.50745	0.028964	0.53239	-0.01018
0.002459	0.95773	-0.14813	0.00133	-0.05964	0.19829	-0.14994	0.00115	-0.08135
-0.15536	0.00075	-0.02274	0.624	0.057803	0.21246	0.15057	0.0011	0.035463
-0.14396	0.00182	-0.17769	0.00011	-0.02705	0.55989	-0.06321	0.1727	-0.10447
-0.15245	0.00095	-0.04482	0.33382	0.018633	0.68797	0.038463	0.40695	0.017298
-0.08519	0.06587	-0.09053	0.05057	-0.04023	0.38575	-0.05241	0.2583	-0.08336
-0.12263	0.00798	-0.00471	0.91909	-0.07459	0.10742	-0.04347	0.34863	-0.11965
-0.08399	0.06977	-0.0744	0.10833	-0.07297	0.11532	-0.03732	0.42106	-0.11304
-0.09615	0.03779	-0.05082	0.27306	-0.07526	0.10432	-0.08885	0.05503	-0.13998
-0.05647	0.22318	0.086772	0.06098	-0.03737	0.42043	-0.00387	0.93356	-0.06637
-0.0918	0.0474	-0.08815	0.05698	-0.09318	0.04416	-0.13033	0.00479	-0.1506
-0.11361	0.01403	-0.19854	1.55E-05	-0.08362	0.07103	-0.15239	0.00095	-0.17661
0.316166	2.67E-12	0.409403	2.67E-20	-0.04036	0.38423	-0.04178	0.36771	-0.08656
-0.14713	0.00143	-0.05172	0.2647	-0.07529	0.10416	-0.04398	0.343	-0.19513
-0.21177	3.90E-06	-0.24421	9.07E-08	-0.04972	0.28365	-0.08452	0.06801	-0.18168
0.122957	0.00781	0.113144	0.01443	-0.09006	0.05178	-0.11982	0.00955	-0.13077
-0.15296	0.00091	0.063523	0.17055	0.014443	0.75558	0.14851	0.00129	0.121119
-0.13132	0.00447	0.016498	0.72214	-0.11039	0.01701	-0.17821	0.00011	-0.27553
-0.12214	0.00824	-0.11959	0.00969	-0.05995	0.19597	-0.10925	0.01819	-0.05253
0.078016	0.09218	0.250651	4.02E-08	-0.04951	0.28563	-0.10798	0.0196	-0.09736
-0.09601	0.03807	0.130033	0.00489	0.014723	0.75099	0.082847	0.07368	0.137302
0.163365	0.00039	0.18904	3.93E-05	-0.02438	0.59927	-0.0671	0.1477	-0.05623
0.039084	0.39941	0.134221	0.00366	0.022597	0.6262	-0.00916	0.84355	0.122105
-0.05436	0.24104	-0.02695	0.56128	-0.03731	0.42111	-0.02447	0.59783	-0.13664
-0.12674	0.0061	0.177096	0.00012	0.004805	0.91752	0.063802	0.16867	0.006745
-0.02639	0.56941	-0.04632	0.31785	-0.05368	0.24697	-0.03305	0.4761	-0.10559
-0.01561	0.73648	0.235587	2.60E-07	-0.00404	0.93058	0.052009	0.262	0.09229
0.01786	0.70027	0.106128	0.0218	-0.05328	0.25047	-0.14469	0.00172	-0.15671
-0.06178	0.18259	0.169689	0.00023	-0.03927	0.39713	-0.05406	0.24359	-0.05533
-0.06203	0.1808	-0.01763	0.70392	0.012675	0.78472	0.005205	0.91069	-0.02794
-0.113	0.01456	-0.02691	0.56181	-0.01822	0.69447	-0.03104	0.50334	-0.05937
-0.02696	0.56109	0.294237	8.84E-11	0.036835	0.42711	0.082072	0.07642	0.071656
-0.19801	1.63E-05	-0.1203	0.00926	-0.03058	0.50979	0.005461	0.90631	-0.11005
-0.21116	4.17E-06	-0.07163	0.12218	-0.06383	0.16846	-0.05971	0.19773	-0.05507
-0.06078	0.18978	0.020011	0.66624	-0.01837	0.69207	-4.03E-05	0.99931	0.018602
-0.08308	0.07286	-0.10295	0.0261	-0.06273	0.17599	-0.09188	0.04722	-0.1642
-0.03818	0.41043	-0.02766	0.55106	-0.03396	0.46415	-0.00119	0.97952	0.016362
0.008048	0.86229	0.036563	0.43053	-0.07302	0.11508	-0.06686	0.14914	-0.1001
0.064109	0.16663	0.22533	8.66E-07	-0.04594	0.32183	-0.10797	0.0196	-0.08492



-0.03762	0.41737	-0.05592	0.22774	-0.0355	0.44404	0.055267	0.23324	-0.05563
0.197128	1.78E-05	0.403404	1.05E-19	-0.0243	0.60044	-0.06866	0.13846	-0.00906
0.089465	0.05335	0.163915	0.00038	-0.02333	0.61503	-0.06829	0.1406	-0.06017
-0.16857	0.00025	-0.15198	0.00099	-0.04564	0.32504	-0.00569	0.90232	-0.15101
-0.0634	0.17139	0.068761	0.13788	-0.02813	0.54428	-0.04752	0.30546	-0.05433
0.000864	0.98514	-0.11132	0.0161	-0.0885	0.05598	-0.15261	0.00094	-0.17451
-0.08371	0.07072	0.100444	0.02999	0.025646	0.58039	0.110952	0.01645	0.126347
-0.11737	0.01113	-0.15746	0.00064	0.007002	0.88005	-0.00661	0.8868	0.058254
0.016474	0.72253	-0.17358	0.00016	-0.04034	0.38447	-0.11274	0.01479	-0.17465
-0.00711	0.87828	0.050585	0.27531	-0.01568	0.73535	-0.05547	0.23154	0.040038
0.073323	0.11356	0.185505	5.50E-05	-0.05926	0.20112	-0.03921	0.39785	-0.04519
0.044142	0.34119	-0.16985	0.00023	-0.05514	0.23435	-0.10703	0.0207	-0.17632
0.069664	0.13278	0.283923	4.15E-10	-0.03509	0.44938	-0.00057	0.9902	-0.04644
-0.14538	0.00163	0.09562	0.03887	-0.0259	0.57668	-0.04191	0.36618	-0.03141
-0.21224	3.71E-06	-0.09916	0.03216	-0.06748	0.14542	-0.03006	0.51693	-0.1615
0.175606	0.00014	0.623287	1.29E-51	-0.01429	0.75802	0.065006	0.16076	-0.03672
-0.0138	0.7661	0.220891	1.43E-06	-0.07322	0.11406	-0.03997	0.38882	-0.16545
-0.10707	0.02065	0.243309	1.01E-07	-0.0144	0.75636	0.036722	0.42853	-0.0496
0.027073	0.55949	0.094106	0.04208	-0.04574	0.32393	-0.01122	0.80896	-0.06831
0.251096	3.80E-08	0.326504	4.62E-13	-0.01668	0.71916	-0.06783	0.14328	-0.06823
-0.12374	0.00742	0.036222	0.43485	-0.00081	0.98611	0.013576	0.76983	-0.02966
0.162093	0.00044	0.322625	8.98E-13	-0.01365	0.76858	0.072704	0.11665	-0.03608
-0.04542	0.32737	-0.02006	0.66546	-0.03071	0.50795	-0.03647	0.43176	-0.05266
-0.07367	0.11186	0.102965	0.02608	-0.02345	0.61321	0.001642	0.97178	-0.0485
-0.04637	0.31735	-0.10254	0.0267	-0.07944	0.08638	-0.14669	0.00148	-0.16747
-0.03538	0.44561	0.146803	0.00147	0.03017	0.51545	0.048074	0.29987	0.002526
0.256059	1.99E-08	0.118725	0.01023	-0.08126	0.07939	-0.12424	0.00719	-0.12914
-0.06989	0.13154	0.049218	0.2885	-0.0505	0.27614	-0.06329	0.17214	-0.12988
-0.09867	0.03302	-0.00911	0.84427	-0.07044	0.1285	-0.06311	0.17335	-0.16013
-0.02495	0.59067	0.115171	0.01276	-0.02872	0.53589	0.021239	0.64709	-0.08009
-0.10047	0.02994	-0.04467	0.33542	-0.04192	0.36604	-0.07863	0.08965	-0.13975
-0.03058	0.50976	0.099584	0.03143	-0.02799	0.54622	-0.01092	0.81395	-0.06034
-0.01888	0.68403	0.042694	0.35727	-0.06806	0.14198	-0.11869	0.01026	-0.17872
0.17882	0.0001	0.194324	2.35E-05	-0.07508	0.10515	-0.12687	0.00604	-0.09769
0.263454	7.45E-09	0.581997	1.10E-43	-0.0176	0.70445	0.023546	0.61177	-0.04642
0.306732	1.25E-11	0.308296	9.69E-12	-0.03032	0.51335	-0.08016	0.08355	-0.18615
-0.22818	6.24E-07	-0.2827	4.97E-10	-0.06222	0.17949	-0.10558	0.0225	-0.15899
0.344823	1.75E-14	0.282745	4.93E-10	0.01176	0.7999	0.0095	0.83776	0.129255
-0.07287	0.11583	-0.11999	0.00944	-0.04902	0.29048	-0.0985	0.03332	-0.03529
-0.01755	0.70521	-0.0105	0.82092	-0.03874	0.40353	-0.06698	0.14842	-0.09536
-0.06313	0.17319	-0.28072	6.62E-10	-0.05321	0.2511	-0.05418	0.24256	-0.11962
0.027675	0.5508	0.0016	0.97248	0.018301	0.69324	-0.06	0.19557	0.061611
0.025804	0.57806	0.205247	7.78E-06	-0.01684	0.71658	-0.0202	0.66326	0.004891
-0.00701	0.87993	0.016052	0.72936	-0.04923	0.28842	-0.20182	1.11E-05	-0.07054
0.076819	0.0973	0.272383	2.18E-09	-0.05233	0.25906	-0.0628	0.1755	-0.10332

0.102545	0.0267	0.366743	2.58E-16	-0.08772	0.05818	-0.12952	0.00506	-0.12229
-0.008	0.86302	0.151829	0.001	-0.03401	0.4634	-0.04176	0.36789	-0.01747
-0.13637	0.00315	0.038077	0.41168	-0.03321	0.47407	-0.01583	0.73291	-0.07369
-0.07294	0.11546	0.099042	0.03237	0.009726	0.83397	0.097479	0.03521	0.064584
-0.21714	2.18E-06	0.015565	0.73726	0.003786	0.93497	0.065674	0.15649	-0.0992
0.037046	0.42446	0.139346	0.00254	-0.00237	0.95933	-0.04989	0.28196	0.025549
0.226871	7.26E-07	0.277494	1.06E-09	-0.01605	0.72938	0.039733	0.39162	-0.01451
-0.11025	0.01715	-0.12082	0.00896	-0.00821	0.8596	-0.03732	0.42106	0.054153
0.000855	0.9853	-0.02265	0.62542	0.010201	0.82598	-0.0531	0.25213	-0.0124
0.031929	0.49126	-0.25533	2.19E-08	0.009975	0.82978	-0.03869	0.40422	0.024198
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0.280097	7.25E-10	0.553352	8.13E-39	-0.01023	0.8255	0.01331	0.77421	0.036735
-0.05089	0.27243	0.066879	0.14902	-0.0829	0.07351	-0.12013	0.00936	-0.21215
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-0.02322	0.6167	0.252464	3.18E-08	-0.05817	0.20958	-0.08272	0.07412	-0.12548
-0.11133	0.01609	0.173009	0.00017	-0.01362	0.76909	-0.01075	0.81678	0.040553
-0.02969	0.52215	-0.0089	0.84786	-0.01457	0.75357	-0.04785	0.30211	-0.04199
-0.11489	0.01298	-0.16316	0.0004	-0.03126	0.50039	-0.097	0.03613	-0.10008
-0.15508	0.00077	-0.27969	7.69E-10	-0.06763	0.14449	-0.02952	0.5245	-0.15513
-0.22081	1.45E-06	-0.36721	2.35E-16	-0.03038	0.51259	-0.05289	0.25403	-0.14835
-0.0696	0.13313	-0.07556	0.10293	-0.05766	0.21358	-0.08464	0.06764	-0.12485
-0.20393	8.92E-06	0.082569	0.07465	-0.0526	0.25663	-0.03105	0.50326	-0.1513
-0.15887	0.00057	-0.20626	6.99E-06	-0.06361	0.16993	-0.0497	0.28379	-0.10723
0.123805	0.00739	0.130213	0.00483	0.039517	0.39421	0.100449	0.02998	0.156994
-0.20737	6.22E-06	-0.28298	4.76E-10	-0.05711	0.21801	-0.04251	0.35937	-0.10409
0.153848	0.00085	0.363238	5.18E-16	0.028335	0.54133	0.10742	0.02024	0.105018
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-0.10763	0.02	-0.12563	0.00656	-0.0692	0.1354	-0.02004	0.66573	-0.03195
0.260606	1.09E-08	0.540357	9.29E-37	0.005018	0.91388	0.046995	0.31086	-0.06935
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0.159872	0.00052	0.23398	3.15E-07	-0.03031	0.51344	-0.00504	0.9135	-0.0788
0.038951	0.40102	0.037336	0.42084	0.023758	0.60857	0.037776	0.41539	0.039245
0.091423	0.04832	0.098072	0.03411	-0.04898	0.29089	-0.14585	0.00158	-0.12328
0.039085	0.3994	0.051984	0.26223	-0.06243	0.17804	-0.04482	0.3338	-0.07097
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0.222342	1.22E-06	0.097172	0.03579	0.007383	0.87356	-0.07123	0.12427	0.124157
0.030089	0.51657	0.154601	0.0008	-0.05364	0.24728	-0.01137	0.80642	-0.06296
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-0.24122	1.31E-07	-0.59414	6.73E-46	0.001249	0.97853	-0.09337	0.04373	-0.06227
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0.013601	0.76942	0.277909	9.94E-10	-0.00367	0.9369	0.056869	0.21995	0.022309
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0.131127	0.00453	0.30619	1.36E-11	-0.0314	0.49848	0.010899	0.81428	0.071658
0.036819	0.42732	-0.20666	6.71E-06	0.03735	0.42068	0.015761	0.73408	0.041579
-0.00783	0.86605	0.026615	0.56616	-0.01645	0.72289	-0.05715	0.21767	-0.05953
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0.265276	5.82E-09	0.411744	1.55E-20	0.008613	0.85273	0.020937	0.65178	0.017859
-0.02277	0.62364	0.004993	0.9143	-0.054	0.24417	-0.02835	0.54114	-0.03099
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0.131059	0.00456	-0.02687	0.56238	-0.00051	0.99125	0.001534	0.97363	-0.00856
0.045964	0.32161	-0.09055	0.05053	-0.04413	0.34133	-0.09031	0.05112	-0.12108
0.159306	0.00055	0.41115	1.78E-20	-0.03004	0.51731	-0.03261	0.48211	-0.14288
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0.118078	0.01066	0.33049	2.31E-13	0.010115	0.82742	0.042982	0.35404	-0.03469
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0.021634	0.64099	0.094957	0.04025	-0.03186	0.49223	-0.0883	0.05653	-0.07242
0.055733	0.22932	0.264256	6.68E-09	-0.03593	0.43853	-0.02779	0.54916	-0.05837
-0.07279	0.1162	0.148063	0.00133	-0.04758	0.30486	-0.06478	0.16221	-0.04298
-0.04459	0.33626	0.033822	0.46591	-0.04453	0.33697	-0.01955	0.67346	-0.10116
-0.11122	0.01619	-0.08483	0.06702	-0.07421	0.10926	-0.12151	0.00857	-0.07598
-0.24316	1.03E-07	-0.17696	0.00012	-0.03832	0.40872	-0.0279	0.54753	-0.09149
0.031858	0.49222	0.286748	2.73E-10	-0.0248	0.59301	-0.01298	0.77969	-0.0059
-0.09857	0.0332	-0.01653	0.72163	-0.02008	0.66521	-0.00886	0.84848	-0.00823
-0.05917	0.2018	-0.08847	0.05609	-0.0293	0.52763	-0.02146	0.64374	-0.02423
0.084654	0.06758	0.22862	5.93E-07	-0.00828	0.85832	0.043019	0.35362	-0.0464
-0.11511	0.0128	0.022592	0.62628	-0.0497	0.28376	-0.08368	0.07082	-0.15743
0.005287	0.90928	-0.0249	0.59138	0.00661	0.88671	-0.02599	0.57536	-0.00011
-0.17307	0.00017	-0.35402	3.10E-15	-0.11061	0.01679	-0.1886	4.10E-05	-0.26574
-0.15751	0.00064	-0.31009	7.24E-12	-0.00299	0.94854	-0.00957	0.83665	-0.06578
-0.1073	0.02038	-0.1958	2.03E-05	-0.05648	0.22309	-0.11656	0.01171	-0.1484
0.0414	0.37205	0.027112	0.55893	-0.03877	0.40322	-0.11945	0.00978	-0.10055
-0.08125	0.07944	-0.12844	0.00544	-0.05232	0.25919	-0.07449	0.10789	-0.01362
-0.11043	0.01697	0.046453	0.31649	0.026716	0.56469	0.099101	0.03226	-0.07794
-0.07507	0.10519	0.011693	0.80103	-0.04011	0.38717	-0.01035	0.8235	-0.03892
-0.07465	0.10715	-0.04112	0.37531	-0.03517	0.44835	-0.09056	0.05048	0.018851
-0.21322	3.34E-06	-0.05813	0.20987	-0.03347	0.47052	-0.00042	0.99284	-0.06758
-0.01414	0.7605	0.114823	0.01303	-0.03097	0.5043	-0.0337	0.46747	-0.11563
-0.30498	1.65E-11	-0.12202	0.0083	-0.06373	0.16913	-0.09327	0.04395	-0.07957
0.289681	1.76E-10	0.595641	3.52E-46	-0.03016	0.51559	0.012228	0.79213	-0.06352

0.010195	0.82607	0.007223	0.87629	-0.00636	0.89091	-0.04272	0.35699	0.042017
0.03427	0.46002	0.059516	0.19919	-0.10122	0.02874	-0.17877	0.0001	-0.15797
-0.04671	0.31383	0.086681	0.06125	-0.01808	0.6968	-0.02368	0.60982	0.005148
-0.06518	0.15963	0.046575	0.31522	-0.0341	0.4622	-0.04977	0.28315	-0.09195
0.051741	0.26447	0.227654	6.63E-07	-0.04897	0.29095	-0.06129	0.18609	-0.06973
0.015107	0.74471	0.189382	3.81E-05	-0.02866	0.53664	-0.03785	0.41442	-0.04183
-0.10945	0.01798	0.194566	2.30E-05	-0.02957	0.52387	0.024312	0.60024	-0.02724
0.07905	0.08794	0.12372	0.00743	-0.02259	0.6263	-0.01225	0.79179	-0.00726
-0.16347	0.00039	-0.10255	0.02668	-0.04474	0.33468	-0.06033	0.1931	-0.13452
-0.15015	0.00114	-0.03793	0.41348	-0.01813	0.69593	-0.0151	0.7448	-0.05461
-0.13924	0.00256	-0.04851	0.29546	-0.06004	0.19524	-0.0145	0.75456	-0.16715
-0.05333	0.25005	0.15365	0.00086	-0.01674	0.71818	0.03704	0.42454	-0.07677
-0.13253	0.00412	-0.11979	0.00957	-0.05908	0.20252	-0.07782	0.09303	-0.165
-0.22836	6.11E-07	-0.30332	2.15E-11	-0.0933	0.04388	-0.10229	0.02708	-0.19989
0.21798	1.98E-06	0.247387	6.09E-08	-0.08105	0.08015	-0.07073	0.12693	-0.1045
-0.03517	0.44835	0.225486	8.51E-07	-0.02704	0.55991	0.009112	0.84431	-0.01714
-0.1851	5.72E-05	-0.09968	0.03126	-0.05549	0.23138	-0.06075	0.19002	-0.14615
-0.09428	0.04169	0.101837	0.02777	-0.00015	0.99737	-0.00558	0.90426	-0.0728
0.018924	0.68336	0.15921	0.00055	-0.00864	0.85231	-0.06862	0.1387	-0.09875
-0.08134	0.0791	-0.23766	2.03E-07	-0.09048	0.05069	-0.13506	0.00345	-0.12687
-0.12469	0.00698	0.006383	0.89058	-0.01112	0.81054	0.032132	0.48851	-0.01768
-0.04817	0.29894	-0.00149	0.97434	-0.02779	0.54907	-0.05291	0.25381	0.019194
0.038331	0.40856	0.243007	1.05E-07	-0.01986	0.66853	0.044919	0.33275	-0.03195
-0.17525	0.00014	-0.08987	0.05228	-0.01233	0.79049	-0.01101	0.81245	-0.0514
-0.06644	0.15168	0.094107	0.04208	-0.05358	0.24783	-0.09103	0.04931	-0.09021
-0.21508	2.73E-06	-0.17228	0.00018	-0.0617	0.18315	-0.03434	0.45913	-0.15132
0.225872	8.14E-07	-0.13657	0.0031	-0.00748	0.87199	-0.05661	0.2221	-0.1359
0.293104	1.05E-10	0.049225	0.28843	-0.08341	0.07174	-0.11997	0.00946	-0.14953
-0.2342	3.07E-07	-0.18962	3.72E-05	-0.04713	0.30946	-0.03667	0.42914	-0.09041
-0.01631	0.72521	-0.06978	0.13214	0.039146	0.39867	0.119401	0.00981	-0.00771
-0.05362	0.24748	-0.16611	0.00031	-0.04981	0.28277	-0.03287	0.47863	-0.07366
0.218757	1.82E-06	0.178975	0.0001	0.044139	0.34121	0.035382	0.44558	0.160742
0.000829	0.98575	0.09867	0.03303	-0.05795	0.21128	-0.06536	0.15851	-0.05977
-0.15723	0.00065	-0.12924	0.00516	-0.05481	0.23715	0.037967	0.41303	-0.0198
0.014209	0.75942	0.137618	0.00288	-0.03429	0.45977	-0.06673	0.14991	0.013724
-0.11105	0.01636	-0.07939	0.08659	-0.03289	0.47832	-0.07585	0.10163	-0.02125
-0.0992	0.03209	-0.14563	0.0016	-0.06758	0.14478	-0.08283	0.07375	-0.13503
0.01489	0.74826	0.238684	1.79E-07	-0.02063	0.65653	-0.00344	0.94082	-0.02091
0.07001	0.13086	0.252091	3.34E-08	0.003144	0.94598	0.035172	0.44829	0.064459
0.152608	0.00094	0.273884	1.76E-09	-0.00485	0.91672	0.002158	0.96291	0.084241
-0.07154	0.12261	-0.1622	0.00043	-0.0376	0.41756	-0.10446	0.02398	-0.06438
-0.03978	0.39104	-0.11289	0.01466	-0.05861	0.20614	-0.01242	0.78886	-0.04463
-0.07123	0.12428	0.047333	0.3074	-0.04455	0.33672	-0.0924	0.04596	-0.07409
-0.12014	0.00936	0.001888	0.96755	0.000103	0.99823	0.023204	0.61696	-0.05288
-0.00821	0.85958	0.162712	0.00041	-0.05114	0.27005	0.024793	0.59305	-0.0616

-0.0305	0.51093	-0.00662	0.88648	-0.089	0.05461	-0.15247	0.00095	-0.17687
-0.02749	0.5535	-0.18577	5.37E-05	-0.05308	0.25228	-0.10926	0.01819	-0.138
-0.03611	0.43626	0.069221	0.13527	-0.03479	0.45325	-0.03391	0.46469	-0.02847
0.065482	0.15771	0.145934	0.00157	-0.02262	0.62592	-0.08437	0.06853	-0.04687
-0.19148	3.11E-05	-0.0676	0.1447	-0.04666	0.31438	-0.02117	0.64809	-0.07643
-0.16917	0.00024	-0.25412	2.57E-08	-0.06538	0.15838	-0.10187	0.02771	-0.17642
0.071934	0.12058	0.191435	3.12E-05	-0.0327	0.48079	-0.02989	0.5194	-0.00967
-0.08693	0.06049	0.260429	1.12E-08	-0.0211	0.64919	0.021555	0.64221	-0.01466
0.04829	0.2977	-0.11046	0.01694	-0.07073	0.12694	-0.17394	0.00016	-0.13891
-0.21123	4.14E-06	-0.13366	0.00381	-0.04482	0.33379	0.037025	0.42473	-0.12226
-0.02444	0.5983	0.067195	0.1471	-0.04701	0.31072	-0.02108	0.64957	-0.00849
0.267179	4.48E-09	0.304538	1.77E-11	-0.03844	0.40719	0.026119	0.57342	-0.08221
0.057192	0.21734	0.151096	0.00106	-0.0894	0.05352	-0.12866	0.00536	-0.17241
-0.01306	0.77832	-0.09094	0.04952	-0.0465	0.31601	-0.08283	0.07373	-0.03062
-0.20106	1.20E-05	-0.1232	0.00769	-0.0405	0.38252	-0.02598	0.57542	-0.13025
-0.1606	0.00049	-0.05606	0.22659	-0.00957	0.83658	0.017485	0.70628	-0.07294
-0.20257	1.03E-05	-0.00299	0.94866	-0.00996	0.83011	0.037811	0.41495	-0.03047
-0.11578	0.01229	-0.05025	0.27851	0.022427	0.62881	0.038401	0.40771	-0.01243
-0.19181	3.01E-05	-0.18698	4.79E-05	-0.02065	0.65628	0.008675	0.85168	-0.13598
-0.11976	0.00959	-0.11125	0.01616	-0.02646	0.56843	0.043963	0.34315	-0.029
-0.13087	0.00461	0.020264	0.66226	-0.03579	0.44041	0.011792	0.79937	-0.00946
0.077323	0.09512	0.237266	2.13E-07	-0.02604	0.57456	0.028114	0.54448	-0.02773
0.104088	0.02448	0.163445	0.00039	-0.05328	0.25055	-0.00647	0.88905	-0.05467
-0.06869	0.13828	-0.08403	0.06966	-0.02375	0.6087	0.001059	0.9818	-0.0041
-0.13014	0.00485	0.023906	0.60634	-0.02668	0.56525	-0.0345	0.45699	-0.01899
-0.06193	0.18158	0.171815	0.00019	-0.03603	0.43733	-0.0105	0.82097	-0.14964
0.113067	0.0145	0.289254	1.88E-10	0.016149	0.72778	0.095661	0.03879	0.088446
-0.01712	0.71215	0.199428	1.41E-05	-0.00273	0.95306	0.055937	0.22762	0.03752
0.211998	3.81E-06	-0.01668	0.71926	-0.05893	0.20364	-0.20413	8.74E-06	-0.18433
0.201887	1.10E-05	0.277539	1.05E-09	-0.0073	0.87504	0.024855	0.59212	-0.09258
-0.15983	0.00053	-0.29748	5.36E-11	0.025785	0.57833	0.12425	0.00718	-0.00073
0.043039	0.3534	0.11975	0.00959	-0.02267	0.62514	-0.00311	0.94651	-0.04767
-0.08836	0.05638	-0.1483	0.00131	-0.02289	0.62179	-0.04534	0.3282	-0.0542
-0.01007	0.82825	0.251005	3.84E-08	-0.02527	0.58594	0.004773	0.91807	-0.01896
0.017251	0.71002	0.21025	4.59E-06	-0.01521	0.74302	-0.0169	0.71567	-0.01247
-0.13212	0.00424	-0.02444	0.59835	-0.05465	0.23849	-0.03165	0.4951	-0.0999
-0.05447	0.24007	0.096402	0.03729	-0.02337	0.61449	-0.02126	0.6467	-0.05196
-0.07868	0.08943	0.019217	0.67872	-0.02777	0.54947	-0.01069	0.81773	-0.0834
-0.08486	0.06692	-0.15628	0.0007	-0.05159	0.26582	-0.07447	0.108	-0.08803
-0.13951	0.00252	-0.16092	0.00048	-0.01819	0.69502	-0.02951	0.52475	0.146808
-0.05039	0.27718	0.006927	0.88133	-0.00119	0.9796	0.002141	0.96319	-0.02754
-0.16445	0.00036	-0.13167	0.00437	-0.0739	0.11071	-0.08172	0.0777	-0.08867
-0.18496	5.79E-05	-0.01949	0.67437	-0.05343	0.24922	-0.05473	0.23786	-0.14727
-0.08294	0.07335	0.1367	0.00308	-0.04946	0.28611	-0.05725	0.2169	0.010295
-0.02752	0.55307	0.105087	0.02314	-0.00672	0.88486	0.065552	0.15727	0.058133

-0.14617	0.00154	-0.05007	0.28023	-0.01915	0.67981	0.066326	0.15241	0.014475
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0.133049	0.00397	0.204991	7.99E-06	-0.05368	0.247	-0.03336	0.47208	-0.05209
-0.20383	9.01E-06	-0.18317	6.85E-05	-0.08507	0.06623	-0.10935	0.01809	-0.11199
0.047284	0.30789	0.067623	0.14454	-0.02251	0.62753	-0.0568	0.22048	-0.11604
0.228768	5.83E-07	0.493431	4.99E-30	0.013515	0.77083	0.014532	0.75411	0.100112
0.095492	0.03913	0.352836	3.89E-15	-0.02984	0.5201	-0.02107	0.64972	-0.02911
0.007263	0.87561	0.132589	0.0041	-0.0329	0.47819	-0.01001	0.82923	0.031354
-0.03207	0.4893	0.004844	0.91685	-0.03388	0.46512	-0.05604	0.22674	-0.07549
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0.082049	0.0765	0.315099	3.18E-12	0.017746	0.7021	0.003389	0.94178	0.094537
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0.023678	0.60977	-0.09132	0.04858	0.01805	0.69723	-0.0121	0.79431	-0.07375
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-0.22014	1.56E-06	-0.21183	3.87E-06	-0.06511	0.1601	-0.0793	0.08692	-0.08964
-0.14855	0.00128	-0.05136	0.26805	-0.01284	0.782	0.001136	0.98047	-0.00314
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0.103205	0.02573	0.307915	1.03E-11	-0.02298	0.62039	0.000676	0.98838	0.005698
-0.06161	0.1838	0.003307	0.94318	-0.04443	0.33807	-0.0768	0.09737	-0.05231
0.002402	0.95872	0.19875	1.51E-05	-0.01906	0.68124	0.026982	0.56082	-0.02298
0.062671	0.17637	0.363869	4.58E-16	0.0196	0.67269	-0.01643	0.72325	0.18518
-0.10752	0.02012	-0.0786	0.08976	-0.04652	0.31581	-0.0792	0.08732	-0.18508
0.007855	0.86556	0.053682	0.24694	-0.06778	0.14361	-0.08349	0.07147	-0.16748
-0.0208	0.65399	0.051739	0.26449	-0.04534	0.32824	-0.05255	0.25704	-0.10688
0.293072	1.06E-10	0.14057	0.00233	-0.00778	0.86685	0.051852	0.26345	-0.0255
0.035092	0.44932	0.145678	0.0016	0.008927	0.84742	0.039298	0.39684	0.018986
0.010399	0.82266	-0.01771	0.70271	-0.0316	0.49567	0.001921	0.96697	-0.01682
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-0.12496	0.00686	-0.19164	3.06E-05	-0.05566	0.22994	-0.05573	0.22935	-0.14551
0.035047	0.4499	0.178683	0.0001	0.009866	0.83161	0.026311	0.57061	0.012406
-0.02836	0.54092	0.077149	0.09587	-0.01963	0.67223	-0.00814	0.86066	-0.0419
0.00497	0.9147	0.154338	0.00082	-0.06841	0.13994	-0.08011	0.08376	-0.13078
-0.12812	0.00556	-0.13121	0.00451	-0.01167	0.80143	0.001886	0.96758	-0.0432
-0.15637	0.0007	-0.08765	0.05839	-0.00814	0.86069	-0.026	0.57523	-0.02382
-0.17279	0.00018	0.030566	0.50995	-0.06579	0.15574	-0.11612	0.01203	-0.09833
-0.25325	2.88E-08	-0.32665	4.50E-13	-0.0442	0.34055	-0.09432	0.04162	-0.15723
-0.06064	0.19082	0.116726	0.01159	-0.01206	0.79498	0.060598	0.19114	0.003972
0.062151	0.17999	0.282723	4.95E-10	0.036451	0.43195	0.153252	0.00089	0.034719
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0.086831	0.0608	0.286857	2.69E-10	-0.00164	0.97186	0.027113	0.55892	0.09017
-0.10411	0.02446	-0.01844	0.69103	0.021172	0.64813	-0.0268	0.56344	0.079685
0.002185	0.96244	-0.02396	0.60553	-0.02006	0.66549	-0.00314	0.94613	-0.05061
-0.03522	0.44766	0.0516	0.26578	-0.03939	0.39569	-0.05793	0.21145	-0.07517
0.15314	0.0009	0.096213	0.03767	-0.03267	0.48131	-0.04942	0.28652	-0.10143
-0.08403	0.06963	-0.17906	1.00E-04	-0.04792	0.3014	-0.04866	0.29397	-0.13976

-0.23339	3.38E-07	-0.15501	0.00078	-0.07271	0.11661	-0.01918	0.67937	-0.12812
0.408891	3.01E-20	0.25039	4.16E-08	-0.00291	0.95006	0.025557	0.58169	-0.10924
0.11139	0.01603	-0.01	0.82928	-0.081	0.08035	-0.11652	0.01174	-0.13779
0.065545	0.15731	-0.0086	0.85303	-0.05865	0.20585	-0.09792	0.03439	-0.03936
0.27002	3.03E-09	0.358964	1.20E-15	0.01442	0.75594	0.088013	0.05736	0.028674
-0.08471	0.06741	0.248295	5.43E-08	0.032899	0.47817	0.109232	0.01821	0.035829
-0.16213	0.00044	-0.17814	0.00011	-0.02047	0.65898	0.046824	0.31263	-0.08668
-0.09087	0.04971	-0.20676	6.64E-06	-0.07169	0.12185	-0.10728	0.0204	-0.2045
0.028962	0.53241	0.000572	0.99017	-0.02736	0.55541	-0.0657	0.15633	-0.06948
-0.0067	0.88521	0.066895	0.14892	-0.00506	0.91316	0.007828	0.86602	0.052901
0.006495	0.88867	0.099833	0.031	0.027424	0.55442	0.127454	0.00581	0.036749
0.032944	0.47757	0.161427	0.00046	-0.01846	0.69075	-0.04924	0.28824	0.032211
-0.10058	0.02976	-0.13321	0.00393	-0.04457	0.33656	-0.05638	0.22398	-0.09334
-0.10863	0.01887	0.031486	0.49729	-0.06464	0.16313	-0.06419	0.16609	-0.13096
-0.00216	0.96281	0.303518	2.08E-11	-0.00936	0.84017	0.044829	0.33372	-0.01685
-0.01167	0.80142	0.104098	0.02447	0.014577	0.75339	0.063434	0.17115	0.032184
-0.0125	0.7876	-0.0037	0.93638	0.006586	0.88712	0.013978	0.76321	0.016802
-0.03951	0.39434	0.018019	0.69773	-0.02169	0.64012	-0.01972	0.67075	-0.09056
0.076539	0.09853	0.150918	0.00107	0.00727	0.87549	0.089878	0.05226	-0.03859
0.089592	0.05302	0.004963	0.91482	-0.07166	0.12201	-0.08803	0.0573	-0.0579
0.284381	3.88E-10	0.362681	5.78E-16	-0.03139	0.49854	0.037187	0.4227	0.022492
-0.28932	1.86E-10	-0.29218	1.21E-10	-0.05748	0.21505	-0.04259	0.35842	-0.16136
-0.27883	8.71E-10	-0.34521	1.62E-14	-0.05767	0.2135	-0.10531	0.02284	-0.15077
0.005246	0.90997	0.087966	0.05749	-0.04194	0.36581	0.006136	0.89478	-0.06746
0.353566	3.38E-15	0.079523	0.08605	-0.02322	0.61677	-0.08256	0.07468	-0.06822
0.091269	0.04871	0.009543	0.83704	0.00791	0.86463	-0.00634	0.89126	0.050316
-0.03004	0.51733	0.010969	0.8131	-0.05881	0.2046	-0.06446	0.16433	-0.058
0.124702	0.00697	0.317478	2.14E-12	0.005447	0.90654	0.191984	2.96E-05	0.078768
-0.27043	2.86E-09	-0.13729	0.00295	-0.00604	0.89639	0.034845	0.45252	-0.01977
-0.12838	0.00546	-0.09829	0.03371	-0.04827	0.29788	0.029552	0.5241	-0.07685
0.066287	0.15265	0.083306	0.07209	-0.02051	0.65836	0.027651	0.55114	0.088078
-0.11625	0.01193	0.01472	0.75105	-0.03032	0.51338	0.004749	0.91847	-0.09227
0.044916	0.33278	0.09962	0.03137	-0.04253	0.35918	-0.04274	0.3568	-0.05881
0.163003	0.00041	-0.05667	0.22155	0.092094	0.04669	0.006055	0.89616	0.056782
0.174371	0.00015	-0.02281	0.62292	0.031576	0.49605	0.00168	0.97111	-0.00962
0.035202	0.4479	0.089596	0.053	0.149746	0.00117	0.331453	1.95E-13	0.027237
0.218985	1.77E-06	0.022019	0.63505	0.013508	0.77095	0.049223	0.28845	-0.04683
0.019435	0.67528	-0.12891	0.00527	0.046291	0.31818	-0.06705	0.14797	-0.01918
0.126199	0.00632	-0.0583	0.20855	0.055656	0.22996	-0.0083	0.8581	0.004596
0.179833	9.32E-05	0.022932	0.62109	0.060166	0.19432	0.030731	0.50766	0.02811
0.104064	0.02452	0.005416	0.90707	0.026475	0.56821	-0.06456	0.16364	-0.06609
0.062498	0.17757	-0.02272	0.62429	0.036635	0.42963	0.011477	0.80463	0.009751
0.026409	0.56917	-0.11736	0.01115	0.048339	0.29721	0.000253	0.99565	-0.037
0.108413	0.01911	-0.04261	0.35824	0.049551	0.28525	0.010603	0.81924	0.010997
0.105098	0.02312	-0.02987	0.51966	0.075027	0.10539	0.01899	0.68231	0.04684

0.205788	7.35E-06	0.110644	0.01676	0.067307	0.14643	-0.03059	0.50961	0.084914
0.002581	0.95563	-0.11472	0.01311	-0.00744	0.87256	-0.0519	0.26297	-0.00608
0.159178	0.00056	0.038536	0.40606	-0.00231	0.96031	-0.00699	0.88029	0.008804
0.157877	0.00062	-0.02141	0.6444	0.066637	0.1505	-0.00663	0.8864	0.050838
0.015302	0.74155	-0.19162	3.06E-05	0.037629	0.4172	-0.01399	0.76304	-0.015
0.136367	0.00315	-0.02598	0.57542	0.088284	0.05659	0.02897	0.53229	0.040543
0.093664	0.04306	-0.06669	0.15016	0.110413	0.01699	0.107524	0.02012	0.083795
0.110058	0.01735	-0.05959	0.19865	0.049718	0.28363	-0.00498	0.91451	0.017346
0.087324	0.05935	-0.07938	0.08661	0.042013	0.365	0.001949	0.96649	0.014906
0.152708	0.00093	-0.00734	0.87434	0.037717	0.41612	-0.00505	0.91337	0.01695
-0.01967	0.67155	-0.03709	0.42387	0.018775	0.68571	-0.02534	0.58489	-0.02377
0.081282	0.07931	-0.06923	0.13522	0.055051	0.23508	0.015528	0.73786	0.095618
0.088768	0.05524	0.08182	0.07733	0.032111	0.48878	0.062247	0.17932	0.020243
0.129472	0.00508	-0.00109	0.98122	0.033678	0.46781	-0.00954	0.83714	-0.0038
0.130368	0.00478	-0.04965	0.28426	0.028679	0.53642	-0.00061	0.98951	0.00391
0.100311	0.0302	-0.03005	0.51716	0.033238	0.47365	0.02672	0.56462	0.025734
0.001104	0.98102	-0.052	0.26212	-1.91E-05	0.99967	-0.00538	0.90768	0.090981
0.101434	0.02839	-0.09286	0.04488	0.044204	0.34051	0.019239	0.67837	0.004463
0.119751	0.00959	-0.06328	0.17217	0.040453	0.3831	0.000818	0.98594	0.012333
-0.04699	0.31091	-0.24027	1.48E-07	0.020663	0.65604	-0.01316	0.77674	-0.04848
0.048509	0.29552	-0.09204	0.04683	6.04E-05	0.99896	-0.06441	0.16465	-0.0106
0.178377	0.00011	0.013198	0.77606	-0.00048	0.99168	0.008062	0.86206	-0.02539
0.075138	0.10487	0.025703	0.57954	0.078279	0.09109	0.020956	0.65149	0.036702
0.018286	0.69347	-0.15885	0.00057	0.016842	0.7166	-0.03304	0.47629	-0.00126
0.029048	0.5312	-0.23674	2.27E-07	0.030991	0.50407	-0.04638	0.31728	0.01803
0.127231	0.0059	-0.05281	0.25468	0.046266	0.31844	0.005969	0.89763	0.021479
0.136866	0.00304	-0.02056	0.65765	0.031588	0.4959	-0.01977	0.67005	0.05713
0.098779	0.03283	0.01867	0.68738	0.109515	0.01791	0.084884	0.06684	0.073798
0.084607	0.06774	-0.10687	0.0209	0.006718	0.88488	0.003863	0.93365	-0.00514
0.176279	0.00013	0.026169	0.57269	0.059653	0.19816	0.004191	0.92803	0.03973
0.062013	0.18096	-0.08139	0.07891	0.029744	0.52139	-0.01101	0.81243	-0.0284
0.104504	0.02392	-0.08747	0.05891	0.021912	0.63671	0.010553	0.82007	0.03478
0.08356	0.07122	-0.0644	0.16471	0.01615	0.72777	-0.05871	0.20539	-0.01604
0.076795	0.09741	-0.06686	0.14914	0.044051	0.34218	0.021209	0.64756	0.063891
0.236499	2.33E-07	-0.02361	0.61081	0.003385	0.94184	-0.04642	0.3168	0.004041
0.041928	0.36598	-0.01053	0.82053	-0.03144	0.49794	0.059719	0.19767	-0.25943
-0.04562	0.3253	-0.15633	0.0007	0.042482	0.35967	-0.01748	0.70631	0.001175
-0.03565	0.44217	-0.14187	0.00212	0.058317	0.20842	-0.01522	0.7428	0.093901
0.017995	0.69811	-0.26808	3.96E-09	-0.0021	0.96383	-0.11539	0.01259	-0.0478
0.112832	0.0147	-0.10928	0.01816	0.086892	0.06062	0.013424	0.77233	0.01459
0.23354	3.32E-07	0.142009	0.0021	0.025773	0.57852	0.024701	0.59441	0.019156
0.170507	0.00021	-0.04084	0.37859	0.074876	0.10609	-0.00696	0.88078	0.033478
0.279592	7.80E-10	0.109353	0.01808	0.097529	0.03512	0.010649	0.81847	0.230552
0.109628	0.01779	0.062436	0.178	0.090466	0.05073	-0.02818	0.5436	-0.0163
0.185673	5.42E-05	0.025238	0.58643	0.047853	0.3021	-0.01746	0.7066	0.029606



0.203456	9.36E-06	0.327109	4.16E-13	0.059329	0.20061	0.091555	0.048	0.102587
-0.04848	0.29582	-0.07196	0.12045	0.035275	0.44696	0.029158	0.52964	0.078685
0.161093	0.00047	0.145482	0.00162	0.067433	0.14567	0.013719	0.76747	0.130348
0.399218	2.70E-19	-0.01168	0.8012	-0.01432	0.75762	-0.12197	0.00832	-0.00949
0.406016	5.82E-20	-0.16726	0.00028	7.34E-05	0.99874	-0.10063	0.02968	-0.08333
0.009362	0.84009	-0.20658	6.76E-06	0.02262	0.62585	-0.0509	0.27237	-0.01497
0.119389	0.00981	-0.03049	0.51104	0.102981	0.02605	0.001728	0.9703	0.010229
0.120712	0.00902	-0.01825	0.69402	0.029541	0.52424	0.002369	0.95929	0.01943
0.167519	0.00028	0.004714	0.91907	0.104437	0.02401	0.036098	0.43643	0.043996
0.136728	0.00307	0.018499	0.69009	0.037298	0.42132	0.006607	0.88676	0.05389
0.107672	0.01995	0.069929	0.1313	0.004461	0.92341	0.020553	0.65776	0.060492
0.12383	0.00738	0.013503	0.77102	0.042231	0.36252	0.034417	0.4581	0.018394
0.114281	0.01347	-0.06057	0.19136	0.034947	0.4512	-0.00312	0.94644	0.046116
0.03626	0.43436	-0.07525	0.10434	0.002018	0.96531	-0.03654	0.43082	-0.02287
0.008694	0.85136	-0.0996	0.0314	0.032792	0.47961	-0.03523	0.44749	-0.03014
0.141911	0.00211	-0.05451	0.23975	0.048223	0.29838	-0.02056	0.6577	0.003883
0.081962	0.07682	-0.02525	0.58621	0.037829	0.41474	0.008894	0.84798	0.004376
0.115828	0.01225	-0.01131	0.80738	0.058066	0.21039	0.043933	0.34348	0.054251
0.042458	0.35993	-0.13663	0.00309	0.069354	0.13451	-0.0303	0.51364	0.098842
0.117884	0.01079	-0.07156	0.1225	0.050001	0.28089	-0.00451	0.92253	0.006809
-0.00506	0.91324	-0.18087	8.47E-05	0.056447	0.2234	0.048079	0.29982	-0.01326
0.199999	1.33E-05	-0.0605	0.19185	0.007975	0.86354	-0.0907	0.05012	0.021273
0.04089	0.37797	0.003543	0.93913	-0.00108	0.98146	-0.066	0.15443	-0.03662
0.293174	1.04E-10	0.311044	6.20E-12	0.029233	0.52858	0.030639	0.50893	0.133016
0.213543	3.22E-06	-0.04963	0.28449	0.017898	0.69967	-0.06254	0.17728	-0.02656
0.156848	0.00067	-0.06954	0.13345	0.074747	0.10669	-0.05585	0.22838	0.072022
0.182729	7.14E-05	-0.06755	0.14496	0.018658	0.68757	-0.03929	0.39689	0.030044
0.123566	0.00751	-0.06814	0.1415	0.014793	0.74985	-0.02542	0.58374	-0.00847
0.219421	1.69E-06	-0.02876	0.53524	0.008935	0.8473	-0.03924	0.39757	-0.00041
0.006635	0.88628	-0.10533	0.02282	0.045004	0.33183	-0.03465	0.45503	-0.00947
0.102291	0.02708	-0.01081	0.8157	0.039771	0.39117	-0.01027	0.82483	0.03737
0.023853	0.60714	-0.16588	0.00032	0.040486	0.38271	-0.01655	0.72123	-0.00362
0.113131	0.01444	0.088516	0.05594	0.025179	0.5873	-0.00793	0.86427	-0.06055
0.154806	0.00079	-0.14503	0.00168	-0.01068	0.81799	-0.10029	0.03024	-0.0216
0.00154	0.97352	-0.25759	1.63E-08	-0.0146	0.75307	-0.08498	0.06653	0.0218
0.067282	0.14658	-0.14758	0.00138	0.034466	0.45745	-0.05041	0.27697	0.028864
0.127723	0.00571	-0.03599	0.43775	0.129573	0.00504	0.17304	0.00017	0.006758
-0.04468	0.33535	-0.18089	8.45E-05	0.021311	0.64598	-0.01742	0.70727	-0.01447
0.160829	0.00048	0.142762	0.00198	0.071984	0.12032	0.079981	0.08425	0.09442
-0.15302	0.00091	0.03368	0.46779	0.002982	0.94876	0.1177	0.01091	0.056622
0.18399	6.35E-05	-0.00519	0.91086	0.042722	0.35695	0.017711	0.70265	0.016582
0.144907	0.00169	-0.03368	0.46779	0.017216	0.71059	-0.06015	0.19448	0.000701
0.075826	0.10172	-0.07178	0.1214	-0.00626	0.8926	-0.05695	0.21932	0.034543
0.310359	6.93E-12	0.072003	0.12022	0.002869	0.9507	-0.07448	0.10795	-0.01905
-0.00495	0.91506	-0.21155	3.99E-06	0.025331	0.58505	-0.06463	0.16319	-0.01732

0.138382	0.00273	-0.02104	0.65016	0.081052	0.08016	0.022994	0.62015	0.035726
0.053627	0.24743	-0.08521	0.06579	0.059538	0.19903	-0.02299	0.62022	0.031962
0.094264	0.04174	-0.02128	0.64653	0.030401	0.51224	-0.03903	0.4001	-0.06194
-0.0209	0.65242	-0.11117	0.01624	0.03375	0.46687	-0.04989	0.28194	0.002861
0.030075	0.51677	-0.01496	0.74715	0.039604	0.39317	0.040766	0.37942	0.227717
0.025055	0.58915	-0.20465	8.27E-06	0.042319	0.36152	-0.00949	0.83795	0.07211
0.285536	3.27E-10	-0.00979	0.83282	0.014449	0.75548	-0.09028	0.05121	0.011102
-0.07775	0.09332	-0.03014	0.51591	-0.05563	0.23022	-0.02583	0.5777	-0.11388
0.070455	0.12842	-0.10925	0.01819	0.031091	0.5027	0.023758	0.60857	0.023516
0.176356	0.00013	0.037936	0.41342	0.020347	0.66098	-0.00093	0.984	0.02888
0.061712	0.18309	-0.08633	0.0623	0.058535	0.20671	0.007813	0.86627	0.014864
0.121144	0.00878	-0.07208	0.1198	0.056583	0.22229	-0.01011	0.82743	0.02481
0.182941	7.00E-05	-0.00956	0.83679	0.027115	0.55888	-0.0444	0.33841	0.00345
0.095655	0.0388	-0.06968	0.13271	0.077958	0.09243	0.008015	0.86285	0.021665
0.004715	0.91906	-0.10901	0.01845	0.003803	0.93468	-0.0264	0.56924	0.029741
0.189751	3.67E-05	0.070928	0.12587	0.117681	0.01092	0.033466	0.47062	0.134972
0.330385	2.35E-13	-0.0138	0.76618	0.014992	0.7466	-0.03388	0.46508	-0.0497
-0.06987	0.13162	-0.06624	0.15297	-0.05562	0.23028	-0.06576	0.15595	-0.00651
0.09705	0.03603	-0.05946	0.19964	0.054525	0.23959	-0.00389	0.93315	0.018331
0.162074	0.00044	-0.02741	0.55459	0.049645	0.28434	-0.0024	0.95874	0.020033
0.035179	0.4482	-0.05946	0.19961	0.069087	0.13602	-0.03997	0.38885	0.04758
0.089361	0.05363	-0.05738	0.2158	0.058557	0.20655	-0.0057	0.90226	-0.0229
-0.03847	0.40684	-0.14667	0.00148	0.021047	0.65007	-0.05505	0.2351	-0.04402
0.135678	0.00331	-0.06472	0.16261	0.074275	0.10893	-0.00524	0.91007	0.027041
0.049366	0.28706	-0.08845	0.05613	0.059372	0.20029	-0.01466	0.75199	0.01033
0.283647	4.32E-10	0.117124	0.01131	0.02534	0.58491	-0.05124	0.26912	0.05599
0.236538	2.32E-07	0.09203	0.04685	0.062519	0.17742	0.018737	0.68632	-0.00575
0.031286	0.50002	-0.10904	0.01842	0.111589	0.01584	0.075768	0.10198	0.079881
0.076096	0.1005	-0.03147	0.49745	0.032599	0.4822	0.024114	0.60321	0.0022
0.144002	0.00181	-0.04477	0.33433	0.020115	0.6646	-0.06023	0.19388	0.050547
0.091951	0.04704	-0.10678	0.021	0.027086	0.5593	-0.00565	0.90302	0.007758
0.144115	0.00179	-0.03358	0.46911	0.004657	0.92005	-0.01308	0.77801	-0.02959
-0.03691	0.4262	-0.08659	0.06153	0.022753	0.62383	-0.00477	0.91818	0.060222
0.291267	1.39E-10	-0.05773	0.21305	-0.00153	0.97375	-0.0794	0.08654	-0.11429
0.084821	0.06704	-0.09703	0.03607	0.018374	0.69207	-0.01753	0.70551	-0.00672
0.106908	0.02085	-0.11497	0.01291	0.06596	0.1547	-0.01172	0.80059	0.016081
0.116679	0.01163	-0.14772	0.00137	0.078192	0.09145	-0.03145	0.49777	-0.07767
0.03027	0.51405	-0.1176	0.01098	0.025573	0.58147	-0.00154	0.97351	0.012425
0.486227	4.39E-29	0.224414	9.62E-07	0.006534	0.88801	-0.1093	0.01814	0.009073
0.045412	0.32746	-0.17006	0.00022	0.013718	0.76749	-0.02051	0.65839	0.009204
0.12603	0.00639	-0.09617	0.03775	0.006854	0.88257	-0.03273	0.48048	-0.02966
0.173599	0.00016	-0.01958	0.67299	0.081229	0.0795	0.004244	0.92712	0.025593
0.067811	0.14342	-0.14625	0.00153	0.030053	0.51707	-0.03174	0.4938	-0.02507
0.329901	2.56E-13	-0.00804	0.8624	0.05658	0.22231	-0.0621	0.18034	0.072673
0.185307	5.61E-05	0.029755	0.52124	0.106781	0.021	0.038891	0.40174	0.202756

0.099405	0.03174	-0.09828	0.03374	0.033335	0.47236	-0.00222	0.96179	0.005948
0.063798	0.1687	-0.0863	0.06241	0.027564	0.55239	0.000217	0.99626	0.026319
0.049243	0.28826	-0.04365	0.3466	0.015771	0.73391	-0.01173	0.80037	0.037571
-0.11837	0.01047	0.033473	0.47052	-0.01276	0.78323	0.016811	0.71709	-0.00164
-0.03118	0.50143	-0.15191	0.00099	0.065066	0.16038	0.113618	0.01402	-0.05535
0.078887	0.0886	-0.14107	0.00225	0.059282	0.20097	-0.02478	0.59326	0.017225
0.153671	0.00086	-0.09226	0.04629	0.028091	0.54482	-0.02179	0.63853	0.018232
0.10067	0.02961	-0.07994	0.0844	0.030537	0.51034	0.001637	0.97185	0.067499
0.208787	5.36E-06	0.0512	0.26951	0.017268	0.70975	-0.00936	0.84013	0.01508
0.315985	2.75E-12	-0.08559	0.06458	0.001848	0.96823	-0.12233	0.00813	-0.03198
0.374192	5.73E-17	0.019113	0.68037	-0.00052	0.99099	-0.01892	0.68345	-0.02708
0.126298	0.00628	-0.01206	0.79494	0.048096	0.29965	0.014451	0.75544	0.036138
0.105688	0.02236	-0.18536	5.58E-05	0.04913	0.28937	-0.0163	0.72532	0.038532
0.079692	0.08538	-0.13378	0.00378	-0.01046	0.8216	-0.06339	0.17147	-0.01307
0.133348	0.00389	-0.04214	0.36353	0.093911	0.04251	-0.0418	0.36747	-0.00459
0.335556	9.40E-14	0.289022	1.95E-10	0.013169	0.77654	-0.06023	0.19386	0.090572
0.065178	0.15966	-0.06779	0.14353	0.038577	0.40556	0.012887	0.7812	-0.00532
0.040975	0.37698	-0.12422	0.0072	0.024873	0.59186	-0.08311	0.07278	-0.05614
-0.18637	5.07E-05	-0.07359	0.11224	-0.11581	0.01227	-0.07611	0.10046	-0.20261
0.131065	0.00455	-0.01319	0.77611	0.065599	0.15697	0.010825	0.81552	0.024323
0.133009	0.00398	-0.00759	0.87008	0.062464	0.1778	0.080594	0.08189	0.147549
0.123451	0.00757	-0.06622	0.15305	0.03047	0.51128	-0.05863	0.206	-0.03524
0.047306	0.30767	-0.08016	0.08355	0.054788	0.23733	0.005915	0.89856	0.010248
-0.10744	0.02022	-0.07292	0.11558	-0.01473	0.75093	-0.03099	0.50415	-0.02232
-0.02448	0.59768	-0.1242	0.00721	0.041338	0.37276	-0.01445	0.75541	-0.01939
0.314635	3.44E-12	-0.12314	0.00772	-0.01285	0.78175	-0.11492	0.01296	-0.05043
0.235326	2.69E-07	-0.01877	0.68573	-0.01766	0.70352	-0.0631	0.17344	-0.03106
0.013583	0.76971	-0.15769	0.00063	0.043603	0.34712	0.105506	0.02259	0.033483
0.013763	0.76674	-0.08081	0.08109	0.006996	0.88014	0.007885	0.86506	0.021561
0.447649	2.15E-24	0.244492	8.76E-08	0.027869	0.548	-0.07878	0.08904	0.083629
0.073794	0.11125	0.025049	0.58923	0.098341	0.03362	0.075371	0.10379	0.021177
-0.01846	0.69064	-0.26748	4.30E-09	0.015893	0.73194	-0.04944	0.28632	0.059467
0.076139	0.10031	-0.15545	0.00075	0.065433	0.15802	-0.00233	0.95999	0.045125
0.177155	0.00012	0.124832	0.00691	0.044208	0.34046	-0.02633	0.57027	0.144759
0.013765	0.7667	-0.11548	0.01252	0.044847	0.33352	0.005187	0.91099	0.020625
0.071538	0.12264	-0.03791	0.41379	0.13114	0.00453	0.081277	0.07933	0.136071
0.09103	0.0493	0.028853	0.53396	0.076642	0.09808	0.052405	0.25838	0.063443
-0.01196	0.79653	-0.03362	0.46864	0.027889	0.54772	-0.00941	0.83927	-0.01477
0.080467	0.08238	-0.1265	0.00619	0.007427	0.87282	-0.02457	0.59638	-0.03298
0.115355	0.01261	-0.01365	0.76852	0.06293	0.17458	0.011371	0.80639	0.112424
-0.11651	0.01175	0.116012	0.01211	-0.02745	0.554	0.068613	0.13873	-0.00494
-0.04658	0.31518	-0.1742	0.00015	0.057547	0.2145	0.028873	0.53367	-0.00482
-0.02037	0.66061	-0.24352	9.88E-08	0.020865	0.6529	-0.08876	0.05528	-0.04616
0.046743	0.31346	0.110407	0.01699	-0.04533	0.32838	-0.01862	0.68824	-0.07534
-0.07394	0.11056	-0.13113	0.00453	-0.00307	0.94718	-0.03698	0.42532	-0.07528

-0.05981	0.19695	0.148879	0.00125	-0.03265	0.48149	-0.02427	0.60084	-0.00868
0.074599	0.10739	-0.09199	0.04695	0.064988	0.16088	-0.01554	0.73763	0.009772
0.09069	0.05016	0.099887	0.03091	0.117104	0.01132	0.077465	0.09451	0.163868
0.189679	3.70E-05	-0.06916	0.13563	0.027035	0.56005	-0.00019	0.99679	0.04653
0.084552	0.06792	0.041723	0.36833	0.107737	0.01987	-0.00082	0.98594	0.02547
0.030077	0.51674	-0.08671	0.06116	0.0521	0.26117	-0.03049	0.51094	0.001658
0.059712	0.19772	-0.02808	0.54491	0.036389	0.43273	-0.00652	0.88822	0.006197
0.130657	0.00468	-0.01631	0.72522	0.058719	0.20529	-0.00394	0.93226	-0.01595
0.116934	0.01144	-0.09707	0.036	0.020045	0.6657	-0.06072	0.19021	-0.02145
0.098382	0.03354	-0.08827	0.05663	0.040417	0.38351	0.013697	0.76784	0.010347
0.114778	0.01307	0.021206	0.6476	0.035247	0.44732	-0.00557	0.9045	0.066649
0.091578	0.04794	-0.06667	0.15027	0.040033	0.38805	-0.0009	0.98455	0.014704
-0.08215	0.07615	-0.12374	0.00742	-0.0687	0.13826	0.010862	0.81491	-0.10427
0.066607	0.15068	-0.10803	0.01954	-0.01355	0.77025	-0.09031	0.05112	-0.04331
0.043929	0.34352	-0.12225	0.00818	0.03361	0.46871	-0.00813	0.86091	0.006775
0.042724	0.35694	-0.02361	0.61086	0.081208	0.07958	-0.03063	0.50901	-0.00899
0.091393	0.0484	-0.03899	0.40061	0.032213	0.4874	-0.00753	0.87111	-0.05829
0.086321	0.06234	-0.02751	0.55322	0.049893	0.28193	0.020556	0.65771	-0.00218
0.015703	0.73503	-0.16849	0.00025	0.029643	0.52281	-0.06942	0.13414	0.00437
0.034086	0.46244	-0.15791	0.00062	-0.00761	0.86967	-0.02689	0.56212	-0.18814
0.09102	0.04933	0.008418	0.85603	0.032364	0.48536	-0.03896	0.40087	-0.01793
0.102867	0.02622	-0.10187	0.02772	0.087211	0.05967	-0.0074	0.87321	0.055011
0.031694	0.49445	-0.08774	0.05815	-0.05748	0.21502	-0.14397	0.00181	-0.07131
0.181891	7.71E-05	-0.02266	0.62528	0.02394	0.60583	-0.00888	0.84818	0.002477
0.128793	0.00531	-0.01669	0.71906	0.043382	0.34957	0.000932	0.98397	0.034077
-0.00344	0.9409	0.024007	0.60482	0.053001	0.25299	0.090466	0.05073	0.079907
-0.00457	0.92153	-0.03153	0.49669	0.054317	0.24139	0.014754	0.75048	0.148166
-0.02041	0.66004	-0.10157	0.02818	0.000902	0.98449	-0.0354	0.4454	-0.01686
0.368749	1.73E-16	0.181096	8.30E-05	0.003093	0.94684	-0.12241	0.00809	-0.01267
-0.00291	0.94996	-0.11652	0.01174	0.025927	0.57624	0.036068	0.43681	0.023485
0.198628	1.53E-05	0.00553	0.90514	0.078558	0.08994	-0.00647	0.88904	0.08664
0.088323	0.05648	-0.04448	0.33755	0.022608	0.62604	-0.01332	0.77401	0.008486
0.077135	0.09593	-0.14279	0.00198	-0.00772	0.86781	-0.05911	0.2023	-0.04433
0.099137	0.0322	-0.02784	0.54845	0.100714	0.02954	0.009052	0.84532	0.023936
0.188219	4.26E-05	0.062475	0.17773	0.024142	0.60279	-0.01832	0.69293	0.098359
0.154214	0.00083	-0.06777	0.14367	0.006264	0.89261	-0.05725	0.21684	0.011977
0.285046	3.52E-10	0.027439	0.5542	0.042016	0.36497	-0.09717	0.03581	0.042013
0.064509	0.16399	-0.21215	3.74E-06	0.029324	0.52729	0.046893	0.31192	0.035958
0.021101	0.64923	-0.09212	0.04663	0.055411	0.23202	0.005715	0.90198	0.001687
0.059774	0.19725	-0.02633	0.57037	0.094999	0.04016	0.045524	0.32627	0.048445
0.141636	0.00215	0.052493	0.25758	0.059723	0.19764	-0.00422	0.92749	0.10143
0.119536	0.00972	-0.04727	0.30808	0.055868	0.22819	-0.01518	0.74356	0.034847
0.074148	0.10954	-0.18719	4.69E-05	0.00874	0.85058	-0.03321	0.474	-0.07731
0.242398	1.14E-07	0.001274	0.9781	0.031559	0.49629	-0.01434	0.7572	-0.06381
-0.21725	2.15E-06	-0.09109	0.04916	-0.09292	0.04476	-0.11181	0.01563	-0.10959

0.283075	4.70E-10	0.163093	0.0004	0.044485	0.33744	-0.00538	0.90774	0.260092
-0.06281	0.17543	-0.20977	4.83E-06	0.033566	0.46929	-0.05627	0.22484	-0.0023
0.215266	2.67E-06	0.043511	0.34814	0.122179	0.00821	0.01043	0.82214	0.010987
0.00263	0.9548	-0.08503	0.06638	0.140869	0.00228	0.209223	5.12E-06	0.041972
0.52588	1.44E-34	0.24123	1.31E-07	0.041255	0.37373	0.012606	0.78585	0.139727
0.138348	0.00273	-0.12897	0.00525	0.042463	0.35989	-0.10536	0.02279	-0.08258
0.079298	0.08694	-0.07095	0.12574	0.058113	0.21002	0.019909	0.66782	0.09601
0.274826	1.54E-09	0.174261	0.00015	0.096536	0.03703	0.002407	0.95863	0.080905
0.092371	0.04603	-0.14966	0.00118	0.091136	0.04903	-0.02338	0.61436	0.038858
-0.0574	0.2157	-0.07426	0.109	0.012325	0.79051	0.08077	0.08123	-0.00894
0.014579	0.75334	-0.00497	0.91464	0.028762	0.53525	0.074283	0.10889	0.034378
0.126774	0.00608	-0.02108	0.64951	0.025451	0.58328	-0.02347	0.61299	-0.03174
-0.13977	0.00247	-0.29412	9.00E-11	0.032254	0.48685	-0.03307	0.47588	0.154215
0.115676	0.01237	-0.07771	0.09348	0.053632	0.24738	-0.00411	0.9295	0.01061
0.089082	0.05439	0.008955	0.84695	0.113918	0.01377	0.20162	1.13E-05	0.10225
0.089088	0.05437	-0.02451	0.59733	0.024116	0.60318	0.028437	0.53987	0.023238
-0.11213	0.01534	-0.04005	0.38788	-0.00751	0.87142	0.005842	0.8998	0.059267
0.100155	0.03046	-0.18593	5.29E-05	0.053762	0.24624	-0.08096	0.0805	-0.00151
0.174951	0.00014	-0.04388	0.34403	0.073614	0.11213	-0.04753	0.3054	0.038343
0.185321	5.60E-05	-0.05048	0.27627	0.036213	0.43497	-0.00663	0.88636	-0.0056
0.25871	1.41E-08	0.183543	6.62E-05	0.01327	0.77487	-0.04512	0.33055	0.022005
0.053104	0.25208	-0.03704	0.42455	0.053367	0.24973	0.047277	0.30796	0.064476
0.067814	0.14341	-0.11478	0.01306	0.028634	0.53707	-0.05398	0.24429	-0.01161
0.207341	6.25E-06	0.0639	0.16802	0.049675	0.28405	-0.01171	0.80081	-0.00921
-0.02738	0.55502	-0.23985	1.55E-07	0.026915	0.56178	-0.03055	0.51016	0.052283
0.034171	0.46132	-0.13194	0.00429	0.098789	0.03281	-0.03605	0.43706	-0.00386
0.003298	0.94334	-0.10018	0.03043	-0.00321	0.94487	-0.00099	0.98301	-0.00507
0.067193	0.14712	-0.06518	0.15965	0.035239	0.44742	-0.0084	0.85639	-0.0233
0.01875	0.68611	-0.11925	0.0099	-0.01711	0.71233	-0.0131	0.77766	-0.01798
0.000143	0.99755	-0.0709	0.12604	0.134993	0.00347	0.224793	9.21E-07	0.147805
0.093621	0.04316	-0.09818	0.03392	0.060212	0.19399	0.011591	0.80273	0.019411
0.065555	0.15725	-0.00787	0.86527	0.033423	0.47119	0.00447	0.92325	0.083595
0.224342	9.70E-07	0.018267	0.69379	0.021809	0.63829	-0.00071	0.98784	-0.00828
0.119048	0.01003	-0.0052	0.91071	0.045454	0.32701	0.034965	0.45097	0.036376
0.222359	1.21E-06	0.015397	0.74	0.047326	0.30747	-0.05694	0.21939	0.03586
0.130865	0.00462	-0.03143	0.49809	0.038031	0.41224	0.002762	0.95254	0.022046
0.150509	0.0011	-0.05545	0.23167	0.036436	0.43214	0.00851	0.85448	0.046818
0.051599	0.26579	-0.09704	0.03605	-0.00651	0.88839	-0.06208	0.18049	0.052652
-0.05173	0.26462	-0.26776	4.14E-09	0.015865	0.73239	-0.05847	0.20725	0.016983
-0.00693	0.88127	-0.18479	5.89E-05	0.051158	0.2699	-0.02729	0.55636	-0.02335
0.015588	0.73688	-0.12763	0.00574	0.064606	0.16336	-0.00466	0.92008	-0.00752
0.092403	0.04596	-0.07373	0.11158	0.048191	0.2987	-0.00982	0.83234	0.069249
0.12413	0.00724	0.01301	0.77917	0.036329	0.4335	-0.03216	0.48818	-0.04317
0.111475	0.01595	-0.09467	0.04086	0.075074	0.10517	0.019767	0.67005	0.033775
0.102091	0.02738	-0.07671	0.09777	0.04235	0.36116	-0.00325	0.94409	0.010143

0.160836	0.00048	-0.01705	0.7132	0.047121	0.30957	-0.01022	0.82561	0.072871
-0.06995	0.13121	-0.0622	0.17966	0.022996	0.62012	0.032438	0.48437	0.125587
0.017338	0.70863	-0.11754	0.01102	0.049991	0.28099	-0.0225	0.62772	-0.01046
0.191082	3.23E-05	-0.02939	0.52642	-0.01158	0.80285	-0.09517	0.03981	-0.09173
0.003772	0.9352	-0.06592	0.15493	0.061964	0.1813	0.01153	0.80374	0.007743
0.099854	0.03097	-0.04382	0.34474	0.132967	0.004	0.062927	0.1746	0.099956
0.103687	0.02504	-0.01504	0.74574	0.042384	0.36078	0.047275	0.30798	0.05102
0.156113	0.00071	-0.01412	0.7608	0.074906	0.10595	0.016798	0.71731	0.043398
0.159306	0.00055	-0.04134	0.37278	0.039892	0.38973	-0.05761	0.21397	0.041096
0.012869	0.7815	0.181831	7.75E-05	-0.0069	0.88178	0.051487	0.26683	-0.03342
0.127691	0.00572	-0.03825	0.40951	0.046547	0.31551	0.032655	0.48145	0.05407
0.293411	1.00E-10	0.032777	0.47981	-0.01424	0.75884	-0.02243	0.62871	-0.00775
0.025449	0.5833	-0.25378	2.68E-08	0.004701	0.91929	-0.02979	0.52069	-0.03319
0.15596	0.00072	-0.11533	0.01264	0.020416	0.65989	-0.06376	0.16896	-0.09478
0.210495	4.47E-06	0.033252	0.47346	0.044099	0.34166	-0.06037	0.19284	0.039944
0.14663	0.00149	-0.04078	0.37924	0.009006	0.84609	-0.02285	0.62235	0.019106
0.070813	0.12649	-0.01196	0.79654	0.02294	0.62097	-0.03484	0.45254	0.056642
0.121592	0.00853	-0.06512	0.16002	0.037484	0.41901	-0.00335	0.9424	0.005106
0.022125	0.63343	-0.22811	6.29E-07	0.024126	0.60303	-0.05791	0.21163	-0.01571
0.214155	3.01E-06	-0.03112	0.5023	0.008786	0.84981	-0.05485	0.23678	-0.04425
0.155357	0.00076	0.159508	0.00054	-0.00051	0.99127	-0.05983	0.19686	0.001641
0.012886	0.78121	-0.11364	0.014	0.022287	0.63094	0.012733	0.78375	-0.02491
0.052981	0.25318	-0.07464	0.1072	0.028448	0.53972	-0.04261	0.35819	0.034603
-0.02886	0.5338	-0.20399	8.86E-06	0.013103	0.77764	-0.02997	0.51825	-0.02578
0.447816	2.06E-24	0.165628	0.00032	0.012204	0.79253	-0.03526	0.44714	-0.02856
0.155209	0.00076	0.024592	0.59605	0.099852	0.03097	0.035921	0.43868	0.032352
-0.23653	2.32E-07	-0.15154	0.00102	-0.01454	0.75395	0.002665	0.9542	-0.01599
0.193797	2.48E-05	-0.05841	0.20765	0.052806	0.25475	-0.01321	0.77582	-0.07031
0.008213	0.85949	-0.13691	0.00303	0.017636	0.70385	-0.00425	0.92708	-0.00284
0.037831	0.4147	-0.09865	0.03306	0.029104	0.53041	0.001719	0.97045	0.004579
0.037287	0.42146	-0.12617	0.00633	0.008458	0.85535	-0.06398	0.16749	-0.03512
-0.06017	0.19428	-0.09277	0.0451	-0.06714	0.14745	-0.02727	0.5567	0.01774
0.101222	0.02873	-0.10469	0.02366	0.072683	0.11675	-0.02143	0.64414	-0.00029
-0.01234	0.79025	-0.18724	4.67E-05	0.436044	4.27E-23	0.304318	1.83E-11	0.171611
0.106487	0.02136	-0.04128	0.37339	0.030795	0.50678	-0.0125	0.7876	0.030264
0.176313	0.00013	-0.00341	0.94139	0.022709	0.62449	0.000622	0.98931	0.003314
0.133148	0.00395	-0.03209	0.48904	0.043032	0.35347	-0.007	0.88016	0.069428
0.108982	0.01848	0.051433	0.26733	0.042229	0.36254	-0.00231	0.96024	-0.02282
0.191099	3.22E-05	-0.06279	0.17552	0.023572	0.61138	-0.0132	0.7761	0.047526
0.060735	0.19013	-0.06411	0.16659	0.071954	0.12048	0.046564	0.31533	0.087956
0.055383	0.23227	-0.14312	0.00193	0.055417	0.23198	-0.01001	0.82917	-0.00509
-0.03092	0.505	-0.19506	2.19E-05	0.039655	0.39256	0.063078	0.17356	0.093123
-0.09573	0.03865	-0.25124	3.73E-08	-0.00104	0.98212	-0.11384	0.01384	-0.06161
0.079534	0.08601	-0.04883	0.2923	0.042128	0.36369	0.001097	0.98113	0.029841
0.035989	0.4378	-0.11897	0.01007	0.046622	0.31473	0.013337	0.77376	0.023604

0.099333	0.03186	-0.11831	0.0105	0.051751	0.26438	-0.00856	0.8536	0.009988
0.062631	0.17664	-0.05854	0.2067	0.03809	0.41152	0.010576	0.8197	0.01881
0.155336	0.00076	-0.03498	0.45082	0.056865	0.21999	-0.00411	0.92942	0.008774
0.151283	0.00104	-0.03426	0.46017	0.037669	0.41671	-0.0078	0.86647	-0.0014
0.058492	0.20705	-0.13381	0.00377	0.074737	0.10674	0.027166	0.55815	-0.03299
-0.02379	0.60812	-0.06009	0.19487	0.033556	0.46943	0.022885	0.6218	-0.01357
0.147565	0.00138	-0.05968	0.19792	0.055154	0.23421	-0.0211	0.6493	0.015768
0.111101	0.01631	-0.04213	0.36366	0.040805	0.37897	-0.00475	0.91842	0.017675
0.007143	0.87765	-0.07954	0.08598	0.011208	0.80912	-0.03863	0.40493	0.020099
-0.16753	0.00028	-0.14364	0.00186	-0.06145	0.18495	-0.02703	0.56019	0.011
-0.00645	0.88949	-0.18465	5.96E-05	0.035126	0.44889	-0.00242	0.95837	0.002171
0.256243	1.95E-08	-0.18252	7.28E-05	0.005835	0.89992	-0.07732	0.09512	-0.05446
0.083242	0.07231	0.124554	0.00704	0.04504	0.33145	0.060844	0.18934	0.022392
-0.01503	0.74605	-0.13017	0.00484	0.032608	0.48208	-0.01027	0.82489	-0.03189
-0.07291	0.11559	-0.19983	1.36E-05	-0.01658	0.72086	-0.07299	0.11522	-0.12963
0.004881	0.91623	-0.26317	7.74E-09	0.010246	0.82522	-0.00339	0.94176	0.217555
0.054249	0.24198	-0.20786	5.91E-06	0.018521	0.68975	0.012544	0.78688	-0.03693
-0.00724	0.87608	-0.26964	3.19E-09	-0.02505	0.58927	-0.11301	0.01454	-0.1297
0.066916	0.14879	-0.12216	0.00822	0.005938	0.89817	-0.07081	0.1265	-0.01199
0.10504	0.0232	-0.08603	0.06323	0.070198	0.12982	-0.00509	0.91262	0.046627
0.108518	0.01899	-0.06111	0.18742	0.059373	0.20028	0.027702	0.55041	0.043611
-0.1107	0.0167	0.119262	0.00989	0.008303	0.85798	0.017523	0.70566	0.054858
0.025179	0.5873	-0.13266	0.00408	0.045129	0.33049	-0.00994	0.83035	0.034688
0.009151	0.84365	-0.22794	6.41E-07	0.02069	0.65563	-0.0218	0.63849	-0.02578
0.118245	0.01054	-0.08406	0.06953	0.01384	0.76547	-0.08516	0.06595	-0.07727
0.058847	0.2043	-0.06028	0.19351	0.054866	0.23666	-0.01441	0.75607	0.156381
-0.00579	0.90065	-0.0907	0.05013	0.020914	0.65214	0.00173	0.97026	0.039089
0.120947	0.00889	0.054058	0.24364	0.017605	0.70436	-0.04212	0.36379	-0.00485
0.009998	0.82938	-0.27169	2.40E-09	0.052505	0.25747	-0.04216	0.36333	-0.03564
0.05962	0.19842	-0.09796	0.03432	0.030674	0.50846	-0.03896	0.40087	0.014557
0.070915	0.12594	-0.09271	0.04524	0.041712	0.36845	-0.00368	0.93685	-0.00965
0.118008	0.0107	0.017209	0.7107	0.090028	0.05186	0.032725	0.4805	0.061652
0.247095	6.32E-08	-0.07909	0.08779	-0.01217	0.79317	-0.06285	0.17512	-0.07483
0.0035	0.93988	-0.15966	0.00053	0.036292	0.43396	-0.02538	0.58434	0.006655
0.079331	0.08681	-0.01337	0.77318	0.048644	0.29417	0.025572	0.58148	0.075789
0.021233	0.64718	-0.19351	2.55E-05	0.023423	0.61364	-0.04887	0.29196	0.000943
0.032848	0.47886	-0.09043	0.05083	0.095452	0.03922	0.166238	0.00031	0.071786
0.151769	0.001	0.060652	0.19074	0.026282	0.57103	0.004265	0.92677	0.067738
0.068281	0.14066	-0.1214	0.00863	0.030562	0.51	-0.00691	0.88165	-0.00483
-0.02782	0.54872	-0.16997	0.00022	0.023007	0.61995	-0.03667	0.42923	-0.08606
0.117834	0.01082	-0.09809	0.03408	-0.00466	0.91993	-0.02468	0.59467	0.006883
0.181976	7.65E-05	-0.04075	0.37964	-0.02793	0.54714	-0.08056	0.08201	-0.06878
0.143385	0.00189	-0.03611	0.43622	0.004526	0.92229	-0.06509	0.16021	0.019121
0.029655	0.52265	-0.12059	0.00909	0.022705	0.62455	-0.03121	0.50101	-0.02578
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0.351902	4.64E-15	-0.12318	0.0077	0.037307	0.4212	-0.04909	0.28977	0.027035
0.145169	0.00166	-0.02348	0.61272	0.066145	0.15354	-0.03379	0.46631	-0.00101
0.014793	0.74986	-0.08492	0.06673	0.036518	0.4311	-0.01882	0.68499	0.060591
0.079332	0.08681	-0.11192	0.01553	0.038923	0.40136	0.012177	0.79297	0.039774
-0.02569	0.57977	-0.24557	7.66E-08	0.021318	0.64587	-0.03586	0.43951	-0.04059
0.052717	0.25555	-0.04812	0.29941	0.016555	0.72123	-0.00578	0.9009	-0.02925
0.023821	0.60762	-0.0455	0.32651	0.047085	0.30994	-0.03361	0.46866	-0.03612
-0.10411	0.02445	-0.07733	0.0951	-0.0566	0.22212	-0.02588	0.57699	-0.00424
-0.04245	0.36001	-0.24776	5.81E-08	0.03323	0.47376	0.074202	0.10928	0.08997
0.098851	0.0327	-0.07935	0.08674	0.034385	0.45851	0.013719	0.76747	0.013891
-0.05915	0.202	-0.00727	0.87557	0.104553	0.02385	0.220133	1.56E-06	0.121338
0.003673	0.93691	-0.25742	1.67E-08	0.04896	0.29104	-0.0354	0.44531	0.033305
0.130555	0.00472	-0.09579	0.03853	0.052796	0.25484	-0.06162	0.18375	0.020395
0.216917	2.23E-06	-0.00978	0.83308	0.041848	0.36688	-0.04953	0.28544	0.028704
0.036844	0.427	-0.14714	0.00143	0.068814	0.13758	-0.00304	0.94768	-0.01999
0.338762	5.28E-14	-0.04509	0.33087	0.017691	0.70297	-0.16016	0.00051	0.001054
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0.000974	0.98325	-0.1285	0.00542	0.050544	0.27569	-0.02962	0.52308	0.031296
0.053264	0.25065	-0.15576	0.00073	0.011747	0.80012	-0.03258	0.4824	0.022294
0.087381	0.05918	-0.00347	0.94037	0.069403	0.13423	0.040725	0.3799	0.289081
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0.185499	5.51E-05	0.2069	6.54E-06	0.034289	0.45977	0.007494	0.87169	0.093376
0.068062	0.14195	-0.03334	0.47227	0.062382	0.17838	0.013559	0.7701	0.157959
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0.129451	0.00508	-0.02688	0.56234	0.049748	0.28334	-0.06536	0.15848	0.037608
-0.01918	0.67924	0.051979	0.26228	-0.01874	0.68623	-0.01602	0.72985	0.002366
-0.09075	0.05	0.239877	1.55E-07	-0.02615	0.57295	0.115041	0.01286	0.051099
0.098763	0.03286	-0.11626	0.01193	0.038936	0.4012	-0.00693	0.88128	-0.0154
-0.04456	0.33667	-0.17778	0.00011	0.033746	0.46692	-0.02786	0.54809	-0.04369
-0.09682	0.03648	-0.15099	0.00106	-0.0142	0.7596	-0.0207	0.65539	-0.02663
0.133786	0.00377	-0.00227	0.96106	0.035587	0.44295	-0.02573	0.57911	-0.01861
0.143411	0.00189	-0.07699	0.09656	0.031831	0.49259	-0.01665	0.71964	0.007875
0.377026	3.20E-17	0.047044	0.31036	0.016412	0.72353	-0.09921	0.03207	-0.00528
0.20761	6.07E-06	0.050649	0.2747	0.094531	0.04116	-0.00103	0.98225	0.043677
0.163669	0.00038	-0.0517	0.26482	0.025043	0.58932	-0.02749	0.5534	-0.0114
0.008319	0.8577	-0.1729	0.00017	0.022515	0.62746	-0.05206	0.26156	-0.01745
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0.078936	0.0884	0.104017	0.02458	0.006847	0.88268	-0.05246	0.2579	-0.065
0.130492	0.00474	0.017147	0.7117	0.030245	0.5144	-0.01737	0.70808	0.017868
0.134335	0.00363	-0.00174	0.97009	0.115484	0.01251	0.023942	0.6058	0.033271
0.020767	0.65442	-0.09222	0.0464	0.068265	0.14076	-0.02449	0.59755	0.00134
0.0394	0.3956	-0.1033	0.02559	0.132387	0.00416	0.044335	0.33907	0.045708
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0.009288	0.84134	-0.12871	0.00534	0.046391	0.31713	-0.02125	0.64695	-0.00772
0.369066	1.62E-16	0.077372	0.09491	0.052866	0.25421	0.074398	0.10835	0.018839
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0.106878	0.02088	-0.0725	0.11768	0.060441	0.19229	-0.00534	0.90838	0.210204
0.261078	1.03E-08	0.031991	0.49041	0.010934	0.8137	-0.02727	0.5567	-0.05099
0.115897	0.0122	-0.09511	0.03992	-0.00706	0.87908	-0.10315	0.02581	-0.02607
0.024796	0.593	-0.11873	0.01023	0.032375	0.48522	-0.01381	0.76598	0.040871
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0.135559	0.00333	-0.03177	0.49335	0.025962	0.57572	-0.01864	0.68783	0.013181
0.148114	0.00133	-0.18235	7.39E-05	0.018195	0.69492	-0.05887	0.20415	-0.05667
0.014047	0.76207	-0.1718	0.00019	0.094939	0.04029	0.022447	0.6285	0.019609
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0.059632	0.19832	-0.06187	0.18196	0.01262	0.78562	0.019804	0.66948	0.013748
0.193019	2.67E-05	0.073585	0.11227	0.026309	0.57063	-0.03983	0.3905	0.028852
0.101912	0.02765	-0.0475	0.30565	0.039929	0.38929	-0.00639	0.89045	0.001145
0.185093	5.72E-05	0.062196	0.17967	0.066829	0.14932	0.030821	0.50642	0.089876
-0.15235	0.00096	0.080456	0.08242	-0.00269	0.95376	0.016683	0.71917	0.059729
0.299656	3.82E-11	0.17166	0.00019	0.032255	0.48684	0.019564	0.67325	0.202173
0.108339	0.01919	-0.07238	0.11827	0.087402	0.05912	-0.04275	0.3566	-0.0161
0.09796	0.03431	-0.09438	0.04149	0.025146	0.58779	0.070674	0.12724	0.063354
0.192494	2.82E-05	0.060226	0.19388	0.038198	0.4102	-0.01485	0.74892	0.03796
0.006742	0.88447	-0.19726	1.76E-05	0.008889	0.84806	-0.00902	0.84594	0.005301
0.056728	0.2211	-0.15247	0.00095	0.03153	0.49669	-0.05474	0.23771	-0.07166
0.091693	0.04766	0.000281	0.99518	0.08069	0.08153	0.043194	0.35167	0.078677
0.013935	0.76391	0.186584	4.97E-05	0.160996	0.00048	0.228174	6.24E-07	0.318695
0.139895	0.00245	0.07102	0.12538	0.074395	0.10836	-0.01327	0.77484	0.049579
0.111566	0.01586	-0.06964	0.13291	0.029823	0.52029	-0.01891	0.68362	-0.00447
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0.117322	0.01117	-0.04654	0.31558	0.104826	0.02348	0.015577	0.73706	0.0652
0.12515	0.00677	0.017596	0.70449	0.071028	0.12534	-0.0377	0.41634	-0.00115
0.109218	0.01823	-0.0436	0.3471	0.04781	0.30254	0.015217	0.74293	-0.00231
0.088694	0.05545	-0.04971	0.28368	0.033475	0.4705	-0.00034	0.99414	-0.00406
0.173871	0.00016	0.02612	0.5734	0.096988	0.03615	0.018791	0.68545	0.046663
0.059423	0.1999	-0.09889	0.03263	0.053191	0.2513	0.008662	0.85191	0.013948
0.174309	0.00015	-0.00905	0.84543	0.020514	0.65836	-0.00284	0.95122	0.000447
0.166959	0.00029	0.004151	0.92872	0.087654	0.05839	0.02187	0.63736	0.037613
0.057488	0.21497	-0.05343	0.2492	0.046839	0.31248	0.012351	0.79008	0.013978
0.008005	0.86303	-0.10473	0.02361	0.053679	0.24697	0.04325	0.35104	0.078454
0.143135	0.00193	0.029441	0.52565	0.059129	0.20214	0.029349	0.52694	0.020259
0.100744	0.0295	-0.07279	0.11622	0.067801	0.14348	0.004807	0.91748	0.03
0.127235	0.0059	-0.0794	0.08652	0.058647	0.20585	-0.00505	0.9134	0.045933
-0.0217	0.63998	-0.13362	0.00382	0.032851	0.47882	-0.01397	0.76334	-0.0381
0.109389	0.01805	-0.07078	0.12666	0.032015	0.49008	-0.01659	0.72065	0.011491

0.128353	0.00547	-0.05406	0.24359	0.047824	0.3024	0.003611	0.93798	0.03521
0.292261	1.19E-10	-0.05438	0.24087	0.001725	0.97035	-0.0584	0.20776	-0.05169
0.138739	0.00266	0.000937	0.9839	0.015176	0.74359	-0.00756	0.8706	0.002017
0.152679	0.00093	0.049061	0.29005	0.022909	0.62144	-0.01353	0.77062	-0.0123
0.122724	0.00793	-0.01334	0.77366	0.048848	0.29215	-0.01159	0.80276	-0.01039
0.015208	0.74307	-0.1014	0.02845	0.080826	0.08101	0.008839	0.84892	0.00405
0.037651	0.41694	-0.11084	0.01657	0.000219	0.99623	-0.02967	0.52245	-0.03434
0.073191	0.11421	-0.05633	0.22434	0.04498	0.3321	0.015795	0.73352	0.028609
0.030226	0.51466	-0.08588	0.0637	0.032343	0.48565	-0.0001	0.99822	0.038784
0.104372	0.02409	-0.03787	0.41426	0.101478	0.02833	0.011663	0.80153	0.006548
0.046196	0.31918	-0.06786	0.14312	0.031008	0.50384	0.015027	0.74602	0.030272
0.06811	0.14166	-0.07995	0.08436	0.024305	0.60035	-0.00109	0.98121	0.026361
0.092412	0.04594	-0.04799	0.30067	0.096069	0.03796	0.00151	0.97404	0.028875
0.131414	0.00445	-0.01432	0.75767	0.123823	0.00738	0.016533	0.72159	0.054558
0.114088	0.01363	-0.0528	0.25478	0.030643	0.50888	0.006951	0.88091	0.033184
0.082439	0.07511	-0.04596	0.32166	0.044545	0.33679	0.019482	0.67454	0.033054
0.060372	0.1928	-0.05088	0.2725	0.068043	0.14206	0.021756	0.6391	0.025239
0.040101	0.38725	-0.07535	0.10389	0.045966	0.32159	0.010071	0.82816	0.011929
0.05787	0.21193	-0.00952	0.8374	0.03775	0.41571	0.025786	0.57832	0.136663
0.131759	0.00434	-0.02527	0.58598	0.068402	0.13996	0.01688	0.71598	0.047765
0.143986	0.00181	0.068837	0.13745	0.029924	0.51888	0.016258	0.72602	0.063593
0.046644	0.3145	-0.05976	0.19739	0.047395	0.30676	0.015637	0.73609	0.047741
0.016516	0.72186	-0.01198	0.79622	0.039672	0.39236	-0.00475	0.91847	0.127913
0.032377	0.48519	-0.07578	0.10194	0.041947	0.36576	0.002965	0.94905	0.010013
0.001741	0.97008	-0.14612	0.00154	0.049645	0.28434	-0.0186	0.68856	-0.01429
0.079824	0.08486	-0.02492	0.59115	0.05884	0.20435	0.00431	0.92599	0.020366
0.044554	0.3367	-0.09444	0.04134	0.062391	0.17831	0.00855	0.8538	0.03809
0.076295	0.09961	-0.00134	0.97701	0.023102	0.61851	0.013187	0.77624	-0.00747
0.005245	0.90999	-0.11314	0.01443	0.072493	0.11771	0.005337	0.90842	-0.0231
0.105395	0.02274	-0.07914	0.08758	0.062904	0.17476	0.009267	0.84169	0.017358
0.064491	0.16411	0.018693	0.68701	0.058335	0.20827	-0.00385	0.93395	0.024951
0.247159	6.27E-08	0.055267	0.23324	0.034713	0.45424	-0.01723	0.71035	0.001808
0.020517	0.65832	-0.12517	0.00676	0.09263	0.04543	0.035574	0.44312	0.040994
0.035684	0.4417	0.001547	0.9734	0.107992	0.01958	0.062216	0.17953	0.030607
0.092812	0.045	0.081675	0.07786	0.068759	0.1379	0.074986	0.10558	-0.04568
0.040378	0.38398	-0.07255	0.11741	0.099979	0.03076	0.086402	0.06209	0.114727
0.141125	0.00224	-0.04398	0.34291	0.034129	0.46187	-0.03567	0.44184	0.031212
0.039589	0.39335	-0.08897	0.0547	0.039135	0.3988	0.014279	0.75826	0.028707
0.032116	0.48872	-0.14928	0.00121	0.019895	0.66805	-0.00628	0.89226	0.004849
0.076049	0.10071	-0.09063	0.05032	0.084389	0.06845	0.020512	0.65839	0.044163
0.066509	0.15128	-0.09156	0.04799	0.0518	0.26392	0.009875	0.83145	0.032016
0.132759	0.00405	-0.00839	0.85655	0.038518	0.40628	3.47E-05	0.9994	0.01054
-0.0369	0.42624	-0.2054	7.66E-06	0.02926	0.5282	-0.00094	0.98379	0.10856
0.035616	0.44258	-0.1666	0.0003	0.012921	0.78064	-0.02683	0.56304	-0.04678
0.078663	0.08951	-0.07734	0.09505	0.015661	0.73569	-0.00679	0.88372	-0.07487

0.016516	0.72186	-0.13189	0.0043	0.068343	0.1403	0.035415	0.44516	-0.01176
0.059086	0.20247	-0.08041	0.08258	0.06057	0.19134	0.005514	0.9054	0.013267
0.072116	0.11964	-0.09059	0.0504	0.020832	0.65342	-0.01477	0.75022	0.009669
0.044766	0.3344	-0.0784	0.09061	0.043811	0.34482	0.007578	0.87025	0.013381
0.031252	0.50049	-0.11482	0.01303	0.061409	0.18525	0.083056	0.07295	0.042772
0.10178	0.02786	-0.02767	0.55091	0.090818	0.04983	0.033731	0.46712	0.043762
0.139922	0.00244	-0.05332	0.25016	0.029539	0.52427	-0.02249	0.62783	0.046242
0.164249	0.00037	-0.06082	0.18948	0.053546	0.24814	-0.06424	0.16577	0.008585
-0.07106	0.12516	-0.11765	0.01094	-0.0744	0.10835	-0.14364	0.00186	-0.20691
0.212463	3.62E-06	0.237901	1.97E-07	0.109969	0.01744	0.09916	0.03216	0.124962
0.117766	0.01087	-0.06676	0.14976	0.015328	0.74112	-0.02813	0.5442	-0.00099
0.156571	0.00069	0.075898	0.10139	0.015092	0.74496	-0.06552	0.15745	-0.01147
0.159145	0.00056	-0.04432	0.33928	0.075102	0.10504	-0.01486	0.74876	0.015708
0.087778	0.05803	-0.09428	0.0417	0.036444	0.43204	-0.03766	0.41677	-0.02613
0.099303	0.03191	-0.07877	0.08909	0.05447	0.24006	-0.00379	0.93489	0.013148
0.141232	0.00222	-0.13883	0.00264	0.00647	0.88911	-0.07009	0.13044	-0.10866
0.040368	0.3841	-0.14207	0.00209	0.022285	0.63098	0.002903	0.95011	-0.01077
0.078377	0.09068	-0.06548	0.1577	0.025835	0.57759	-5.52E-05	0.99905	-0.02181
0.240388	1.45E-07	0.031948	0.491	0.049301	0.28769	0.00555	0.90479	-0.02285
0.090173	0.05149	-0.05708	0.21826	0.043833	0.34458	0.064219	0.1659	-0.02184
0.166235	0.00031	-0.0015	0.97429	0.065801	0.15569	0.010356	0.82338	0.031409
-0.07512	0.10495	-0.30968	7.75E-12	0.022573	0.62657	-0.01242	0.78892	0.056177
0.138041	0.0028	-0.05411	0.24323	0.043987	0.34289	-0.00832	0.85771	0.009717
0.055999	0.22711	-0.0915	0.04813	0.041453	0.37143	0.121798	0.00842	0.015906
0.039671	0.39237	-0.07468	0.10703	0.067202	0.14706	0.110638	0.01676	0.05775
0.063259	0.17234	-0.11977	0.00958	0.007653	0.86898	0.006169	0.89422	-0.041
0.025676	0.57995	-0.08585	0.06377	0.064247	0.16572	0.047898	0.30165	0.139407
0.072231	0.11905	-0.08448	0.06816	0.041379	0.37229	-0.01247	0.7881	0.008329
-0.28256	5.07E-10	-0.05435	0.24113	0.017067	0.71298	0.064496	0.16408	0.227473
0.115757	0.01231	-0.13851	0.0027	0.012411	0.78909	-0.08989	0.05223	0.013608
0.237436	2.08E-07	-0.00997	0.8298	0.039427	0.39529	-0.02379	0.60813	0.01101
0.183335	6.74E-05	-0.02342	0.61372	0.068009	0.14225	-0.00393	0.93252	0.020337
0.143488	0.00188	0.075639	0.10257	0.039694	0.39209	-0.00408	0.92996	0.005858
-0.0306	0.50942	-0.14848	0.00129	-0.00756	0.87054	-0.00222	0.96176	0.027499
0.158481	0.00059	-0.03521	0.4478	0.038729	0.40371	-0.01621	0.72678	0.079639
0.022767	0.62361	-0.12755	0.00578	-0.0085	0.85469	-0.00952	0.8374	-0.03032
0.111076	0.01633	-0.07019	0.12986	0.057117	0.21795	-0.00016	0.99722	0.00932
0.00059	0.98985	-0.26253	8.44E-09	0.041962	0.36559	-0.02687	0.56244	-0.01746
-0.02046	0.65917	-0.19075	3.34E-05	0.040825	0.37873	-0.01806	0.69711	0.014948
0.134091	0.0037	-0.06683	0.1493	0.079883	0.08463	0.024895	0.59153	0.035924
0.052612	0.2565	-0.04722	0.30855	0.129457	0.00508	0.0683	0.14055	0.130637
0.080113	0.08374	-0.04552	0.32626	0.099222	0.03205	0.051296	0.26861	0.055864
0.026723	0.56458	-0.05769	0.21334	0.084209	0.06904	-0.01784	0.70056	-0.02214
0.041468	0.37126	-0.10172	0.02795	0.061365	0.18557	0.009718	0.8341	0.007746
0.078452	0.09037	-0.06088	0.18909	0.111669	0.01577	0.023353	0.6147	0.031031

0.058265	0.20883	-0.04845	0.29606	0.068932	0.13691	0.026094	0.57379	0.046584
-0.30186	2.70E-11	-0.25418	2.55E-08	-0.01342	0.77245	0.038665	0.40448	0.101559
0.220185	1.55E-06	0.154265	0.00082	-0.02195	0.63606	-0.13136	0.00446	-0.05645
0.122819	0.00788	-0.10013	0.0305	0.016635	0.71993	-0.02203	0.63495	0.032498
0.008629	0.85246	-0.11214	0.01533	0.021648	0.64077	0.017983	0.6983	0.010505
0.053733	0.24649	0.349546	7.24E-15	-0.04221	0.3628	0.030026	0.51745	-0.10443
-0.05851	0.2069	-0.24475	8.48E-08	0.020712	0.65528	-0.03965	0.39266	-0.0418
0.091006	0.04936	-0.30181	2.73E-11	-0.00078	0.98651	-0.07803	0.09214	0.014829
0.081303	0.07923	-0.10846	0.01906	0.033666	0.46797	-0.0122	0.79255	-0.00381
0.015012	0.74627	-0.13771	0.00286	0.067812	0.14342	0.014316	0.75765	0.049308
-0.00366	0.93713	-0.19964	1.38E-05	-0.00256	0.95598	-0.05121	0.2694	-0.0284
-0.0242	0.60198	0.07828	0.09108	0.052543	0.25712	0.13063	0.00469	-0.00569
0.077883	0.09274	-0.07347	0.11286	0.029563	0.52393	-0.02004	0.66576	-0.01911
0.112472	0.01503	-0.05974	0.19749	-0.00212	0.96358	-0.04556	0.32584	-0.03835
0.044106	0.34158	-0.09696	0.03621	0.040756	0.37954	-0.00842	0.85601	0.012922
0.186488	5.02E-05	-0.03172	0.49411	0.057695	0.21332	-0.01247	0.78815	-0.00603
-0.00487	0.91634	-0.13468	0.00355	0.053407	0.24938	0.020708	0.65535	0.000734
0.022638	0.62558	-0.02102	0.65046	0.08307	0.0729	0.027413	0.55457	0.028586
0.070391	0.12877	-0.01902	0.68179	0.026026	0.57479	-0.03715	0.42321	-0.01714
0.046467	0.31634	-0.02118	0.64808	0.031258	0.50041	0.030825	0.50637	0.095037
0.000859	0.98523	-0.09875	0.03288	-0.01059	0.8194	-0.0071	0.87839	-0.04438
-0.01274	0.78364	-0.06982	0.13189	0.011603	0.80252	-0.00579	0.90065	0.042826
-0.02333	0.61504	-0.26917	3.41E-09	-0.01046	0.82155	-0.095	0.04016	-0.07979
0.104808	0.02351	0.00144	0.97524	0.045602	0.32544	-0.02284	0.62247	0.08273
0.155418	0.00075	-0.05798	0.21105	0.012774	0.78306	-0.04912	0.28947	0.050177
0.222537	1.19E-06	0.061352	0.18566	0.060205	0.19404	0.007607	0.86978	0.040239
0.129379	0.00511	-0.04421	0.34044	0.046208	0.31904	0.006071	0.8959	0.01939
0.174952	0.00014	0.045196	0.32977	0.019365	0.67638	-0.02894	0.53273	-0.01945
0.137099	0.00299	0.091654	0.04776	0.047589	0.30479	-0.01447	0.75508	0.024897
-0.09547	0.03918	0.027463	0.55384	-0.01557	0.73721	-0.01616	0.72758	-0.00162
0.109377	0.01806	-0.04605	0.32069	0.06508	0.16029	0.021237	0.64713	0.024448
-0.12986	0.00494	0.066727	0.14995	-0.01114	0.81017	0.072849	0.11592	-0.02484
0.104644	0.02373	-0.09723	0.03568	0.028213	0.54306	-0.02681	0.56329	0.023865
0.314773	3.36E-12	-0.03995	0.3891	-0.03189	0.49172	-0.0837	0.07075	-0.03651
0.218629	1.84E-06	0.079414	0.08648	-0.01038	0.82296	-0.01824	0.69422	-0.01674
0.176355	0.00013	0.149537	0.00119	0.031508	0.49699	-0.04853	0.29529	0.013399
0.09168	0.04769	-0.0754	0.10364	0.032396	0.48494	-0.00211	0.9637	0.031591
0.005604	0.90387	-0.07075	0.1268	0.013352	0.77351	0.023061	0.61912	0.015799
0.153024	0.00091	-0.05452	0.23964	0.063667	0.16958	-0.01943	0.67542	0.012342
0.037681	0.41656	-0.21268	3.54E-06	0.002205	0.96209	-0.05277	0.25508	0.00451
0.062754	0.17579	-0.0591	0.20233	-0.01482	0.74943	-0.04429	0.33958	-0.01361
0.293723	9.56E-11	0.058621	0.20605	0.022008	0.63523	-0.07328	0.11376	0.095881
0.009391	0.8396	-0.01428	0.75823	0.051389	0.26774	0.023491	0.61262	-0.01628
0.128991	0.00524	0.025178	0.58731	0.042433	0.36022	0.052186	0.26038	0.031409
-0.10158	0.02816	-0.08727	0.05951	0.066235	0.15298	0.103903	0.02474	0.084896

0.137255	0.00296	-0.00726	0.87564	0.005866	0.89939	-0.04826	0.29803	-0.01347
0.082115	0.07627	-0.03951	0.39425	-0.00125	0.97851	0.003776	0.93514	-0.03304
0.041447	0.3715	-0.13558	0.00333	-0.01897	0.68259	-0.04274	0.35673	-0.00399
0.151622	0.00101	-0.0313	0.49988	0.063796	0.16871	0.00417	0.9284	0.005132
0.020997	0.65085	-0.08694	0.06048	0.024069	0.60389	-0.0139	0.76447	-0.01394
-0.02156	0.64213	0.062504	0.17752	0.065846	0.15541	0.06258	0.177	0.100153
0.21376	3.15E-06	0.075488	0.10326	-0.01033	0.82373	-0.03847	0.40689	-0.00597
0.060606	0.19107	-0.06276	0.17577	0.018494	0.69018	-0.0198	0.66961	0.022041
-0.00129	0.97781	-0.09545	0.03922	0.006851	0.88262	-0.01844	0.69111	0.033306
0.111894	0.01556	-0.12891	0.00527	0.004073	0.93004	-0.05198	0.26225	0.030399
0.022311	0.63058	-0.06713	0.14749	0.005013	0.91397	0.008611	0.85277	0.02997
0.047383	0.30688	-0.02542	0.58373	0.012774	0.78307	-0.02153	0.64263	-0.00957
0.076928	0.09683	-0.10624	0.02166	0.060096	0.19485	-0.00948	0.83818	0.041471
0.278713	8.86E-10	0.066611	0.15066	0.046497	0.31602	0.022169	0.63276	0.059096
0.095258	0.03962	-0.06867	0.13844	0.015811	0.73326	0.007361	0.87395	0.055025
0.180665	8.63E-05	0.033269	0.47324	0.036508	0.43123	0.041752	0.368	0.020637
0.089862	0.0523	-0.07999	0.08421	-0.00538	0.90762	-0.03129	0.49999	-0.08094
0.03712	0.42354	-0.11547	0.01253	0.005047	0.91339	-0.10708	0.02064	-0.06083
0.054196	0.24244	-0.20318	9.64E-06	-0.02168	0.64023	-0.10958	0.01784	-0.01794
0.072191	0.11926	-0.08706	0.06011	0.069594	0.13317	0.002378	0.95912	0.000876
0.024195	0.602	-0.08468	0.0675	0.037943	0.41332	-0.00799	0.86333	0.024921
0.121136	0.00878	-0.07238	0.11827	0.02192	0.63658	0.011967	0.79647	0.027276
0.120205	0.00932	0.041041	0.37621	0.004016	0.93103	-0.02451	0.59727	0.036988
0.086567	0.06159	-0.06436	0.16497	0.039062	0.39968	-0.00834	0.8573	0.016165
0.12544	0.00664	-0.02735	0.55541	0.02096	0.65143	0.025022	0.58964	0.018664
0.024539	0.59684	-0.13791	0.00282	0.040882	0.37807	-0.02202	0.63508	-0.01268
-0.04747	0.30602	-0.197	1.80E-05	0.030093	0.51652	-0.00929	0.84137	0.010065
0.063687	0.16944	-0.05556	0.23079	0.113101	0.01447	0.002372	0.95924	0.012585
0.118043	0.01068	0.029074	0.53083	0.020516	0.65833	-0.0082	0.85964	0.038903
-0.01361	0.76932	0.061197	0.18678	0.107432	0.02023	0.29059	1.54E-10	0.123733
0.090526	0.05058	-0.15595	0.00072	0.078113	0.09178	-0.02952	0.52457	-0.03322
0.017784	0.70148	-0.16942	0.00023	-0.03089	0.50547	-0.10582	0.0222	-0.06666
-0.15424	0.00083	-0.09571	0.03869	-0.03944	0.39514	0.00674	0.88451	-0.03821
0.160199	0.00051	-0.20916	5.16E-06	0.05878	0.20482	-0.05368	0.24697	0.007367
0.015003	0.74641	-0.2886	2.08E-10	-0.00295	0.94932	-0.0735	0.11267	-0.08687
-0.07213	0.11957	-0.15026	0.00113	0.022556	0.62683	-0.04365	0.34665	0.016321
0.140986	0.00226	-0.25371	2.71E-08	0.017401	0.70762	-0.10707	0.02066	-0.0422
-0.07627	0.09974	-0.22415	9.91E-07	0.006517	0.88829	-0.05581	0.22872	-0.06794
-0.00353	0.93929	-0.05625	0.225	0.043083	0.35291	0.073206	0.11414	0.133353
-0.08861	0.05569	0.183506	6.64E-05	-0.03443	0.45794	0.021637	0.64095	-0.04258
0.087486	0.05887	-0.0603	0.19335	0.018067	0.69696	-0.03318	0.47449	0.043415
0.138063	0.00279	0.215816	2.52E-06	0.087354	0.05926	0.058516	0.20686	0.133891
0.019373	0.67626	-0.09096	0.04947	0.070143	0.13013	-0.05763	0.2138	-0.06006
0.002389	0.95894	-0.13237	0.00416	0.024117	0.60316	0.014518	0.75434	0.020706
0.207534	6.12E-06	-0.05283	0.2545	0.088277	0.05661	-0.04035	0.38434	-0.02949

-0.21913	1.74E-06	-0.0864	0.06209	-0.03482	0.45283	0.011068	0.81146	-0.0233
0.039624	0.39293	-0.08156	0.07828	0.045215	0.32957	0.039868	0.39001	-0.01715
0.094938	0.04029	-0.06325	0.17238	0.094105	0.04208	0.021517	0.64279	0.048022
-0.04694	0.31143	-0.2178	2.02E-06	0.014988	0.74666	-0.0173	0.70921	-0.05388
0.238407	1.85E-07	0.297515	5.34E-11	0.058204	0.2093	0.101417	0.02842	0.252089
0.134314	0.00364	-0.15237	0.00096	0.017086	0.71268	-0.0533	0.25037	-0.067
0.145847	0.00158	-0.11585	0.01224	0.064308	0.16531	-0.02861	0.53739	0.046233
0.253115	2.93E-08	0.138055	0.00279	0.058216	0.20921	0.027484	0.55355	0.033136
0.044382	0.33856	-0.15308	0.0009	0.019966	0.66693	0.015076	0.74523	-0.00126
0.024669	0.59489	0.100525	0.02985	0.071898	0.12077	0.046056	0.32064	-0.00026
-0.01069	0.8178	-0.12099	0.00886	0.095901	0.0383	0.012149	0.79343	-0.00041
0.020374	0.66055	0.342256	2.80E-14	0.023795	0.60802	0.106262	0.02164	0.067448
0.00449	0.92291	-0.19841	1.57E-05	0.03256	0.48273	-0.07638	0.09922	-0.02425
-0.09041	0.05087	-0.27279	2.06E-09	0.020773	0.65434	0.046537	0.31561	-0.00778
0.390463	1.86E-18	0.038466	0.40691	-0.04246	0.35994	-0.17575	0.00013	-0.05211
0.002278	0.96084	-0.25136	3.67E-08	-0.03098	0.50416	-0.05429	0.24167	-0.04545
-0.01182	0.79884	-0.09442	0.04139	0.029348	0.52696	0.038812	0.4027	0.1012
0.128548	0.0054	-0.01704	0.7134	0.005438	0.90669	-0.09045	0.05077	-0.05914
0.124553	0.00704	0.129455	0.00508	0.045142	0.33036	-0.02338	0.61426	-0.00263
0.004758	0.91832	-0.12843	0.00544	0.061138	0.1872	0.012504	0.78754	0.051009
0.158068	0.00061	-0.04442	0.33816	0.03281	0.47936	0.029171	0.52946	0.013092
0.025128	0.58805	-0.20599	7.20E-06	0.022517	0.62742	-0.00419	0.92812	0.080998
0.044157	0.34102	0.021015	0.65057	0.011587	0.8028	0.006339	0.89133	0.056704
0.01949	0.67442	-0.12563	0.00656	0.007869	0.86533	-0.01681	0.71706	-0.00666
0.020642	0.65636	-0.16004	0.00052	0.024469	0.59789	-0.05543	0.23185	-0.03699
-0.05655	0.22254	-0.16994	0.00022	0.008587	0.85317	0.046057	0.32063	0.020405
-0.0196	0.67267	-0.18318	6.84E-05	-0.00307	0.94722	0.018224	0.69447	0.059023
0.151323	0.00104	-0.0254	0.58407	0.060527	0.19166	0.020554	0.65774	0.01793
-0.01805	0.69728	0.140257	0.00238	-0.08249	0.07492	-0.06213	0.18013	-0.11025
0.065994	0.15448	-0.13165	0.00438	0.037858	0.41438	-0.02928	0.52796	0.037833
-0.04662	0.31473	-0.12807	0.00558	-0.04587	0.32265	-0.02178	0.63875	-0.08943
0.089332	0.05371	-0.18251	7.28E-05	0.019714	0.67089	-0.03419	0.46108	0.079568
0.05689	0.21978	-0.05187	0.26324	0.069461	0.13391	0.019731	0.67063	0.033283
0.094401	0.04144	0.088259	0.05666	0.098365	0.03357	0.117576	0.011	0.185342
0.20219	1.07E-05	-0.01048	0.82126	0.018197	0.6949	0.046114	0.32004	-0.04797
0.219777	1.62E-06	0.01531	0.74141	0.037311	0.42116	-0.01677	0.71773	0.034872
0.10668	0.02112	-0.04868	0.2938	0.041358	0.37254	0.006398	0.89032	0.005296
0.086938	0.06048	-0.03231	0.48607	0.025316	0.58527	0.013063	0.77829	0.018471
-0.00877	0.85007	-0.00692	0.88152	0.031985	0.4905	0.025039	0.58938	0.038924
0.153356	0.00088	-0.02035	0.661	0.04826	0.298	-0.00487	0.91641	0.026652
0.010494	0.82106	0.013016	0.77907	-0.01861	0.68829	-0.00809	0.86157	-0.02401
-0.04425	0.33998	-0.11648	0.01177	0.014198	0.7596	-0.04759	0.30481	0.016958
0.074599	0.1074	-0.13494	0.00348	0.036495	0.43139	-0.03888	0.40192	0.00352
0.156544	0.00069	0.271272	2.54E-09	0.055556	0.23081	0.128766	0.00532	0.129825
0.098592	0.03317	-0.02997	0.51829	0.07091	0.12597	0.02027	0.66217	0.046754

0.125	0.00684	-0.05603	0.22682	0.070517	0.12809	0.004481	0.92306	0.020391
0.040017	0.38825	-0.06708	0.14782	0.078806	0.08893	0.068607	0.13877	0.046265
0.042442	0.36012	-0.15353	0.00087	0.020065	0.66539	-0.08597	0.06341	-0.1163
0.291816	1.28E-10	0.017886	0.69986	0.048278	0.29782	-0.05171	0.26477	0.033794
-0.13878	0.00265	-0.00659	0.88701	-0.04166	0.36902	0.018765	0.68587	-0.09043
0.088682	0.05548	-0.05061	0.27503	0.051209	0.26943	0.016026	0.72977	0.025481
0.079563	0.08589	-0.0923	0.04621	0.042109	0.3639	-0.0089	0.84797	-0.02069
-0.04332	0.35022	-0.2478	5.78E-08	-0.00863	0.85248	-0.0887	0.05542	-0.07118
0.001589	0.97269	-0.31229	5.06E-12	0.013247	0.77525	-0.04624	0.31866	-0.02993
0.176321	0.00013	-0.0088	0.84965	0.043055	0.35321	-0.02691	0.56192	0.015172
-0.08866	0.05554	-0.26303	7.89E-09	0.164981	0.00034	0.06048	0.192	0.096556
0.020851	0.65312	-0.14823	0.00132	0.04742	0.3065	0.175912	0.00013	0.212062
0.038723	0.40379	-0.1877	4.47E-05	0.012752	0.78344	-0.02622	0.57193	0.03558
-0.02922	0.5287	-0.14549	0.00162	0.076113	0.10043	-0.00612	0.8951	-0.00118
-0.02302	0.61981	-0.18736	4.62E-05	0.051255	0.26899	-0.01698	0.71443	-0.03674
0.084928	0.0667	0.155991	0.00072	-0.01972	0.67077	-0.00372	0.93607	0.049515
0.162694	0.00042	-0.00226	0.96112	0.115599	0.01243	-0.0055	0.90559	-0.0034
-0.06017	0.19432	-0.19631	1.93E-05	0.013397	0.77277	0.019232	0.67848	-0.00809
0.107044	0.02068	-0.0415	0.37092	0.029205	0.52897	0.005578	0.90432	0.057987
0.126227	0.00631	-0.05679	0.22059	0.045376	0.32785	0.006826	0.88305	0.015128
0.134032	0.00371	-0.11472	0.01311	-0.00972	0.83402	-0.09887	0.03267	-0.00519
0.118534	0.01036	-0.1308	0.00464	0.029153	0.52971	-0.06833	0.14039	0.014025
0.119989	0.00945	-0.14126	0.00221	0.00666	0.88587	-0.06431	0.16533	-0.02829
0.118363	0.01047	-0.06726	0.14668	0.036732	0.4284	-0.00069	0.98815	0.007648
0.114139	0.01359	-0.07484	0.10627	0.034288	0.45979	-0.0034	0.94154	0.020303
0.094265	0.04173	-0.15388	0.00085	0.008072	0.86189	-0.06096	0.18851	-0.02046
0.196036	1.99E-05	-0.08291	0.07346	0.032261	0.48676	-0.04911	0.28956	0.008663
0.101015	0.02906	-0.02537	0.5845	0.078075	0.09194	0.024156	0.60258	0.032149
0.101476	0.02833	-0.09499	0.04019	0.006901	0.88176	-0.01789	0.69985	-0.00244
0.090479	0.0507	-0.01719	0.71108	0.063923	0.16786	0.009636	0.83547	0.051308
0.059662	0.19809	-0.11924	0.0099	0.06032	0.19318	-0.00309	0.94692	0.03188
0.112252	0.01523	-0.06928	0.13491	0.034534	0.45657	-0.00643	0.88969	0.01937
0.115304	0.01265	-0.08278	0.07393	0.035354	0.44594	-0.0053	0.90911	0.009863
0.065432	0.15803	-0.04759	0.30479	0.167786	0.00027	0.055208	0.23374	0.190614
0.018975	0.68255	-0.07935	0.08674	0.028713	0.53594	-0.01401	0.76276	0.019058
0.05621	0.22536	-0.04548	0.32679	0.057058	0.21842	0.012278	0.7913	0.014701
0.116543	0.01172	-0.08305	0.07297	0.048422	0.29638	-0.02762	0.55158	-0.01361
0.15088	0.00107	0.025627	0.58067	-0.00587	0.89931	0.008289	0.85822	-0.02869
0.041358	0.37254	-0.03765	0.417	0.022006	0.63527	0.01401	0.76269	0.007664
0.145623	0.0016	-0.05527	0.2332	0.037682	0.41654	-0.02409	0.6036	0.178847
0.095902	0.03829	-0.04151	0.37074	0.046634	0.3146	0.01	0.82936	0.034511
0.087713	0.05822	-0.06499	0.16084	0.055047	0.23512	-0.03501	0.45041	-0.00915
0.067169	0.14726	-0.06404	0.16709	0.068849	0.13738	0.05058	0.27536	0.164768
0.073107	0.11463	0.010206	0.8259	-0.03523	0.44755	-0.08985	0.05232	-0.05101
0.0957	0.03871	-0.08715	0.05987	-0.0315	0.49706	-0.03015	0.51574	0.003701

-0.08781	0.05793	-0.31058	6.69E-12	0.206951	6.51E-06	0.064578	0.16354	0.229668
-0.04145	0.37144	-0.12778	0.00569	-0.03347	0.4706	-0.03008	0.51665	-0.07045
0.108173	0.01937	-0.08868	0.05548	0.044128	0.34134	0.00421	0.92771	0.008329
0.077428	0.09467	0.093697	0.04299	-0.02636	0.56983	-0.00033	0.99437	-0.05815
0.053888	0.24513	0.504234	1.74E-31	0.048611	0.2945	0.137878	0.00283	0.15162
0.077144	0.09589	-0.11245	0.01505	0.095963	0.03817	0.008265	0.85861	0.013745
0.06616	0.15345	-0.20732	6.26E-06	0.019585	0.67292	-0.0436	0.34713	-0.05904
0.2439	9.43E-08	-0.01894	0.68307	0.031597	0.49578	-0.05154	0.2663	-0.01733
0.031733	0.49392	-0.16436	0.00036	0.032789	0.47965	-0.05415	0.24284	-0.08971
0.075025	0.1054	-0.03268	0.48116	0.098628	0.0331	0.224877	9.12E-07	0.09679
0.035719	0.44126	0.039886	0.3898	0.216413	2.36E-06	0.521744	5.80E-34	0.170439
0.087568	0.05864	-0.05354	0.24817	0.184555	6.02E-05	0.112923	0.01462	0.086186
0.125525	0.00661	-0.0592	0.2016	0.069881	0.13157	-0.03343	0.47103	-0.00532
-0.06678	0.14965	-0.22475	9.26E-07	0.032829	0.47911	0.151582	0.00102	0.159054
0.069921	0.13135	-0.06299	0.17419	0.072124	0.1196	0.000511	0.99122	0.032022
-0.13664	0.00309	0.087795	0.05798	0.043765	0.34532	0.172657	0.00018	0.027128
0.299676	3.81E-11	0.022994	0.62015	0.076506	0.09868	-0.02387	0.60681	0.048843
0.012751	0.78345	-0.15033	0.00112	0.02307	0.61899	0.024068	0.60391	0.021589
0.120442	0.00918	-0.19349	2.55E-05	0.019052	0.68133	-0.05893	0.20365	-0.03165
0.106898	0.02086	-0.05389	0.24512	0.101067	0.02898	0.029808	0.5205	0.004014
0.094734	0.04072	-0.06123	0.18652	0.091763	0.04749	0.01221	0.79242	0.0151
0.189297	3.84E-05	0.048992	0.29072	0.028172	0.54366	0.027622	0.55155	0.072561
0.187059	4.75E-05	-0.20078	1.23E-05	0.016477	0.72248	-0.09503	0.0401	-0.04789
-0.01039	0.82285	-0.30579	1.45E-11	0.012733	0.78375	-0.02824	0.54271	-0.02896
0.022725	0.62425	-0.06799	0.14235	0.029562	0.52395	0.01397	0.76334	0.0326
-0.04611	0.32006	-0.0377	0.41631	0.157111	0.00066	0.163147	0.0004	0.291687
0.14382	0.00183	-0.05876	0.205	0.074847	0.10623	0.008422	0.85596	0.051084
0.102449	0.02684	-0.05047	0.27644	0.099181	0.03212	0.03056	0.51003	0.040769
-0.16498	0.00034	-0.10426	0.02425	-0.04611	0.32012	0.017277	0.7096	-0.02562
0.279446	7.97E-10	0.027489	0.55347	-0.01401	0.7627	-0.05138	0.26779	-0.04802
-0.06611	0.15374	-0.25287	3.02E-08	0.053621	0.24748	0.023903	0.60638	-0.06061
0.119087	0.01	-0.06544	0.158	0.077449	0.09458	0.009014	0.84595	0.028981
0.259081	1.34E-08	0.173376	0.00017	0.00227	0.96099	-0.06123	0.18652	0.004082
0.138322	0.00274	-0.01917	0.67954	-0.01315	0.77682	-0.09581	0.03848	0.040196
0.161639	0.00045	0.074884	0.10605	0.077788	0.09314	0.028381	0.54067	0.138893
0.156325	0.0007	-0.05329	0.25038	0.026368	0.56978	-0.01809	0.69665	0.020905
0.027719	0.55016	-0.22091	1.43E-06	0.001138	0.98043	-0.09031	0.05113	-0.06424
0.130113	0.00486	-0.01289	0.78113	0.07316	0.11436	0.034498	0.45704	0.086717
0.275686	1.37E-09	0.106117	0.02182	0.027344	0.55558	-0.05194	0.26262	0.057445
0.178397	0.00011	0.015149	0.74404	0.062669	0.17638	0.020978	0.65114	0.023979
0.12769	0.00572	0.029649	0.52273	0.009642	0.83537	-0.01359	0.76963	0.061245
0.046523	0.31575	-0.1915	3.10E-05	-0.00125	0.97852	-0.05908	0.20248	-0.05237
0.108731	0.01876	-0.05273	0.25545	0.020941	0.65172	-0.00692	0.88141	-0.00223
0.253351	2.84E-08	0.099329	0.03187	-0.00078	0.98656	-0.10523	0.02295	0.047607
0.079891	0.0846	-0.07244	0.11799	0.032532	0.4831	0.007028	0.8796	0.024837



0.106944	0.0208	-0.14595	0.00156	0.053601	0.24766	-0.03097	0.50442	0.034866
-0.16747	0.00028	0.003608	0.93802	0.012477	0.788	0.088412	0.05623	0.072378
0.233777	3.23E-07	0.067755	0.14375	0.042863	0.35537	-0.01306	0.77837	0.019037
0.098127	0.03401	-0.05753	0.21463	-0.00765	0.86899	-0.02897	0.53231	0.001541
0.125943	0.00643	-0.02055	0.65782	0.09339	0.04368	0.046158	0.31957	0.061606
0.126185	0.00632	-0.00183	0.96851	0.013408	0.7726	-0.01291	0.78082	0.047706
0.069689	0.13264	-0.04684	0.31243	0.079863	0.08471	0.021616	0.64126	0.005338
0.319828	1.44E-12	-0.13644	0.00313	6.06E-06	0.9999	-0.16053	0.0005	-0.08712
-0.03822	0.40991	-0.12282	0.00788	0.015955	0.73094	0.070929	0.12586	0.026413
0.118889	0.01013	-0.18878	4.03E-05	0.039623	0.39294	-0.10641	0.02145	-0.01616
0.239754	1.57E-07	-0.0731	0.11466	0.076781	0.09747	0.00407	0.93009	0.035145
0.049429	0.28644	-0.00553	0.90514	-0.03384	0.46561	-0.01691	0.71556	-0.07694
0.145164	0.00166	-0.03779	0.41527	0.001519	0.97388	-0.09089	0.04966	-0.02181
0.519525	1.22E-33	0.055897	0.22795	-0.02029	0.66188	-0.1256	0.00657	-0.01744
0.20796	5.85E-06	0.067814	0.1434	0.102991	0.02604	-0.01824	0.69425	0.065081
0.057518	0.21473	-0.1337	0.0038	0.020632	0.65652	-0.03262	0.48189	-0.03756
0.321373	1.11E-12	0.037902	0.41384	0.028165	0.54376	-0.0292	0.52904	0.030497
0.202466	1.04E-05	-0.03055	0.51021	0.059059	0.20268	0.005819	0.9002	-0.02345
-0.08401	0.06972	-0.43466	6.06E-23	0.006948	0.88097	-0.10877	0.01871	-0.11758
-0.06657	0.1509	-0.32872	3.14E-13	-0.01185	0.79847	-0.05547	0.23152	0.030632
-0.03636	0.43304	-0.11085	0.01656	-0.04168	0.36877	-0.07415	0.10953	-0.02328
0.287854	2.32E-10	0.142936	0.00196	0.005531	0.90511	-0.07684	0.09721	-0.02593
-0.0185	0.6901	0.128328	0.00548	-0.01509	0.74508	0.044528	0.33697	-0.00821
0.174101	0.00016	-0.12313	0.00772	-0.02855	0.53827	-0.07667	0.09796	-0.05939
0.087967	0.05749	-0.03562	0.4425	0.036082	0.43663	-0.00435	0.92537	0.062979
0.035407	0.44525	-0.01631	0.72514	0.038409	0.40761	-0.01372	0.76751	0.021449
0.006193	0.89382	-0.15564	0.00074	0.03742	0.4198	-0.0275	0.55328	-0.00535
0.161495	0.00046	-0.09441	0.04142	0.032413	0.48471	-0.06427	0.16556	0.016532
0.210652	4.40E-06	0.056063	0.22657	0.061374	0.1855	-0.03292	0.4779	0.048718
0.212746	3.51E-06	-0.05295	0.25348	-0.00283	0.95134	-0.09762	0.03495	-0.05777
0.0469	0.31185	-0.25838	1.47E-08	0.017074	0.71287	-0.13628	0.00317	-0.11017
0.150867	0.00107	-0.08559	0.06459	0.04099	0.37681	-0.02552	0.58229	0.001117
0.131738	0.00435	-0.13619	0.00319	-0.00095	0.98368	-0.11498	0.0129	0.018554
0.090757	0.04999	-0.11491	0.01296	0.031495	0.49717	-0.08982	0.05242	-0.01144
0.246925	6.45E-08	-0.10664	0.02117	-0.0003	0.99484	-0.0962	0.0377	-0.01196
0.181884	7.72E-05	-0.07639	0.09918	-0.0031	0.94678	-0.10614	0.02178	-0.09648
0.093332	0.04381	-0.11196	0.01549	0.031676	0.4947	-0.06758	0.14478	-0.01174
0.007281	0.8753	-0.24743	6.06E-08	0.019189	0.67916	-0.09681	0.03649	-0.0899
0.198595	1.54E-05	0.234504	2.96E-07	0.009712	0.8342	-0.00899	0.84643	0.014031
-0.03947	0.39473	-0.2744	1.64E-09	0.02227	0.6312	-0.03613	0.43599	-0.05858
0.054292	0.24161	-0.16291	0.00041	0.039009	0.40032	-0.08848	0.05604	-0.06526
0.068794	0.1377	-0.04405	0.34221	0.043658	0.34651	0.013069	0.77818	0.066833
0.16329	0.0004	0.002721	0.95324	0.036664	0.42926	-0.03515	0.44856	0.032623
-0.0187	0.68689	-0.13305	0.00397	0.006468	0.88914	-0.04069	0.38029	-0.06224
0.16155	0.00046	-0.10858	0.01892	0.017543	0.70534	-0.07114	0.12471	0.042566

0.001926	0.96688	-0.33167	1.87E-13	0.119009	0.01005	-0.05612	0.2261	-0.05072
0.01242	0.78893	-0.23734	2.11E-07	0.037752	0.41568	-0.05007	0.28022	-0.02758
0.100798	0.02941	-0.23471	2.89E-07	0.019383	0.6761	0.000412	0.99291	-0.03612
0.16922	0.00024	0.080865	0.08087	0.040058	0.38776	-0.02927	0.52805	0.076258
0.037705	0.41626	-0.19766	1.69E-05	-0.00067	0.98843	-0.03453	0.4566	0.047716
0.188219	4.26E-05	0.012822	0.78228	0.01318	0.77635	-0.0989	0.03261	-0.06977
0.176588	0.00013	0.26954	3.24E-09	-0.05119	0.26959	-0.0519	0.263	-0.00368
0.284221	3.97E-10	0.491675	8.52E-30	0.012681	0.78461	-0.02347	0.61292	-0.09002
0.08716	0.05983	0.331602	1.90E-13	-0.01032	0.82406	0.046297	0.31811	0.087606
0.00879	0.84975	-0.20631	6.96E-06	-0.00721	0.87655	-0.05843	0.20752	-0.08957
-0.1126	0.01491	-0.34293	2.47E-14	0.015632	0.73618	0.027179	0.55796	-0.03807
-0.12565	0.00655	-0.42114	1.68E-21	-0.00807	0.8619	-0.05079	0.27333	-0.15829
0.123612	0.00749	-0.22657	7.51E-07	0.000777	0.98664	-0.07465	0.10716	0.0947
-0.26261	8.35E-09	-0.59078	2.81E-45	-0.04784	0.30223	-0.07001	0.13085	-0.15127
-0.12441	0.00711	-0.41339	1.06E-20	-0.02882	0.53448	-0.01294	0.78029	-0.02492
-0.01443	0.75579	-0.30714	1.17E-11	-0.03244	0.48437	-0.13385	0.00376	-0.14742
0.184722	5.92E-05	0.417321	4.19E-21	0.074372	0.10847	0.154331	0.00082	0.214483
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0.153955	0.00084	0.330629	2.25E-13	-0.01005	0.82852	0.01147	0.80474	-0.10441
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-0.08012	0.08372	-0.25635	1.92E-08	0.00053	0.99089	-0.06274	0.17587	-0.06028
-0.0782	0.09142	-0.31545	3.00E-12	-0.04987	0.28217	-0.1111	0.01631	-0.00818
0.028451	0.53967	-0.26757	4.25E-09	-0.0307	0.50805	-0.12892	0.00527	-0.02875
0.079467	0.08627	-0.21667	2.29E-06	-0.07076	0.12679	-0.14387	0.00183	-0.22394
-0.00789	0.865	-0.2698	3.12E-09	-0.05337	0.24968	-0.09246	0.04582	-0.14316
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0.094767	0.04065	-0.11901	0.01005	-0.07148	0.12294	-0.07559	0.1028	-0.26956
0.104023	0.02457	-0.37561	4.28E-17	-0.03602	0.43737	-0.14474	0.00171	-0.23644
0.041972	0.36547	-0.26102	1.03E-08	-0.01326	0.77509	-0.14778	0.00136	-0.04535
-0.04393	0.34356	-0.33039	2.35E-13	-0.06983	0.13183	-0.15029	0.00112	-0.24856
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-0.05576	0.22909	-0.32369	7.48E-13	-0.01472	0.75102	-0.04974	0.28343	-0.14233
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-0.25034	4.18E-08	-0.43351	8.08E-23	-0.01079	0.81608	-0.01979	0.66963	-0.02899
0.061829	0.18226	-0.06337	0.17156	0.022323	0.6304	-0.04495	0.33238	-0.04502
-0.05745	0.21531	-0.29971	3.79E-11	0.005023	0.9138	-0.02855	0.53827	-0.0314
0.197027	1.80E-05	-0.17087	0.00021	-0.00066	0.98857	-0.09216	0.04653	0.022826
0.054761	0.23756	-0.0998	0.03106	-0.01261	0.78585	-0.00354	0.93919	-0.13729
0.035574	0.44312	-0.13374	0.00379	0.016234	0.72641	0.064774	0.16227	-0.0136
-0.02218	0.63262	-0.35436	2.90E-15	0.042512	0.35933	-0.0222	0.63222	0.09669

-0.13336	0.00389	-0.16308	0.0004	0.00873	0.85076	0.004006	0.9312	0.004391
-0.02024	0.66265	-0.36531	3.44E-16	0.01233	0.79043	-0.02767	0.55082	-0.09478
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0.186388	5.06E-05	-0.00825	0.85886	-0.07164	0.12213	-0.12243	0.00808	-0.08602
0.101461	0.02835	-0.22708	7.09E-07	0.003219	0.94469	-0.03308	0.47582	-0.0443
-0.17438	0.00015	-0.37297	7.35E-17	-0.07209	0.11975	-0.0866	0.0615	-0.15714
0.278229	9.50E-10	-0.12547	0.00663	-0.04632	0.31789	-0.18926	3.85E-05	-0.26739
0.088521	0.05593	-0.10632	0.02156	-0.04147	0.37126	-0.10043	0.03	-0.08948
-0.09827	0.03374	-0.35694	1.77E-15	-0.03689	0.42636	-0.07109	0.12501	-0.01854
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0.020023	0.66604	-0.4525	5.95E-25	-0.05299	0.25308	-0.23373	3.25E-07	-0.08727
0.054011	0.24406	-0.2258	8.21E-07	-0.00854	0.85394	-0.02087	0.65282	0.000896
0.033922	0.46459	-0.1727	0.00018	0.015435	0.73938	-0.08686	0.06071	-0.02696
0.005492	0.90578	-0.20458	8.34E-06	-0.04055	0.38194	-0.13432	0.00364	-0.23115
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0.261144	1.02E-08	0.566889	4.66E-41	-0.01452	0.75433	0.028514	0.53878	0.099112
0.190299	3.48E-05	0.444653	4.70E-24	0.081393	0.0789	0.125385	0.00667	0.322453
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0.001795	0.96914	-0.36598	3.01E-16	-0.05231	0.25924	-0.15841	0.00059	-0.14377
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0.069524	0.13356	-0.16454	0.00036	-0.04936	0.28711	-0.12801	0.0056	-0.08826
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0.177966	0.00011	0.328845	3.07E-13	0.030597	0.50952	0.028757	0.53532	0.138222
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0.032413	0.48471	-0.12981	0.00496	-0.01528	0.74183	-0.03788	0.41406	-0.08938
0.146222	0.00153	0.398093	3.47E-19	-0.01817	0.69528	-0.0034	0.94151	-0.02114
0.121138	0.00878	-0.0926	0.0455	0.006083	0.89569	-0.07988	0.08466	-0.00938
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-0.0103	0.82431	-0.2105	4.47E-06	0.000318	0.99453	-0.05651	0.22289	0.013888
0.018648	0.68773	-0.21425	2.98E-06	-0.07572	0.10219	-0.1867	4.91E-05	-0.18273
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0.146065	0.00155	-0.08804	0.05729	-0.02883	0.53435	-0.15451	0.00081	-0.04901
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0.067221	0.14694	0.222794	1.16E-06	-0.06345	0.17107	-0.1973	1.75E-05	-0.25093
0.179199	9.87E-05	0.267967	4.02E-09	0.054444	0.24029	0.135	0.00347	0.20257
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0.042118	0.3638	-0.24399	9.32E-08	-0.01146	0.80488	-0.08254	0.07474	-0.08677
0.078067	0.09197	-0.18164	7.90E-05	-0.01697	0.71459	-0.06869	0.13831	-0.15115
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0.045926	0.32201	-0.13007	0.00487	-0.02379	0.60815	-0.07353	0.11253	-0.07833
0.268842	3.57E-09	0.492696	6.25E-30	0.002018	0.9653	0.060596	0.19115	0.112591
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-0.03825	0.40959	-0.15077	0.00108	-0.01146	0.80487	-0.01454	0.75405	0.089236
-0.17868	0.0001	0.186477	5.02E-05	0.002753	0.95268	0.058982	0.20327	0.081027
-0.01154	0.80362	-0.3953	6.44E-19	0.030254	0.51428	-0.0379	0.41385	-0.0563
-0.06951	0.13361	-0.10438	0.02408	0.01518	0.74352	0.001425	0.97549	-0.00382
-0.04953	0.28544	-0.28396	4.13E-10	-0.01103	0.81216	-0.08293	0.07338	-0.02734
0.1102	0.0172	-0.13752	0.0029	-0.03604	0.4371	-0.03659	0.43016	-0.01965
0.118614	0.0103	-0.19449	2.31E-05	-0.03485	0.4525	-0.11229	0.01519	-0.09238
0.003419	0.94126	-0.20097	1.21E-05	0.004412	0.92424	-0.0505	0.27611	-0.03884
0.109938	0.01747	0.347773	1.01E-14	0.023672	0.60987	-0.00951	0.83763	0.015575
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-0.32583	5.19E-13	-0.50194	3.58E-31	0.066475	0.15149	0.153259	0.00089	0.093485
0.142019	0.00209	-0.14872	0.00127	-0.00035	0.99392	-0.04142	0.37186	0.021887
-0.05545	0.23169	-0.15326	0.00089	-0.03571	0.44133	-0.08911	0.0543	-0.18235
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0.057043	0.21854	-0.18484	5.86E-05	-0.04301	0.35369	-0.1248	0.00693	-0.18271
-0.13556	0.00333	-0.38438	6.84E-18	-0.06764	0.14446	-0.10509	0.02314	-0.2613
0.008544	0.8539	-0.24846	5.32E-08	-0.03122	0.5009	-0.1043	0.0242	-0.04191
-0.01265	0.78509	-0.12224	0.00818	-0.03494	0.45128	-0.06099	0.18824	-0.03627
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0.132399	0.00416	-0.23195	4.01E-07	0.001185	0.97963	-0.08507	0.06625	0.040589
0.059108	0.2023	0.05134	0.2682	-0.03997	0.38883	-0.0353	0.44669	-0.13091
-0.01654	0.72141	-0.16174	0.00045	-0.03764	0.41711	-0.07161	0.12229	0.002234
-0.12569	0.00653	-0.33031	2.38E-13	-0.03572	0.4413	-0.10244	0.02685	0.033385
-0.02942	0.52594	-0.26904	3.47E-09	-0.07529	0.10416	-0.20192	1.10E-05	-0.1722
0.008267	0.85858	-0.25164	3.54E-08	-0.01024	0.8254	-0.06112	0.18736	-0.08491
-0.04644	0.31659	-0.34868	8.51E-15	-0.02183	0.63799	-0.16452	0.00036	-0.09424
-0.03845	0.40706	-0.2691	3.44E-09	-0.03525	0.44728	-0.08538	0.06526	0.06045
-0.07671	0.09777	-0.30572	1.47E-11	0.014432	0.75575	0.022474	0.62808	0.141048
-0.03706	0.42433	-0.2144	2.94E-06	-0.02565	0.58038	-0.10982	0.01759	-0.07911
-0.08867	0.05551	-0.27118	2.58E-09	-0.0264	0.56932	-0.06294	0.17449	-0.13923
0.016342	0.72466	-0.1211	0.0088	0.00697	0.88059	-0.01764	0.70386	0.016011
0.163064	0.0004	-0.26711	4.53E-09	-0.03819	0.4103	-0.07125	0.12414	-0.12244
0.032972	0.4772	-0.32534	5.64E-13	-0.02974	0.52139	-0.13281	0.00404	-0.22212
-0.20151	1.14E-05	-0.38493	6.09E-18	-0.09108	0.04917	-0.17251	0.00018	-0.18928
-0.05596	0.2274	-0.30389	1.96E-11	-0.01906	0.68119	-0.03846	0.40701	-0.10161
-0.01201	0.79573	-0.36112	7.86E-16	-0.02624	0.57168	-0.04619	0.31921	-0.07409
-0.26082	1.06E-08	-0.48415	8.15E-29	-0.03471	0.45428	-0.10418	0.02436	-0.05934
0.116353	0.01186	-0.32771	3.74E-13	-0.04608	0.32041	-0.11157	0.01586	-0.28471
-0.15969	0.00053	-0.50679	7.72E-32	-0.06198	0.1812	-0.08479	0.06714	-0.08689
0.059825	0.19687	-0.20073	1.24E-05	-0.06781	0.14342	-0.17121	0.0002	-0.22381
0.289367	1.85E-10	0.456788	1.88E-25	0.016958	0.71472	-0.0575	0.2149	0.144959
-0.1681	0.00026	-0.34798	9.71E-15	-0.00154	0.97349	-0.06059	0.19122	0.113943
-0.02222	0.632	-0.06691	0.14881	0.03088	0.5056	0.023323	0.61515	0.112775

-0.11622	0.01196	-0.42539	6.01E-22	-0.03502	0.45029	-0.09715	0.03584	-0.15939
-0.0856	0.06458	-0.49403	4.16E-30	-0.04294	0.35455	-0.14066	0.00231	-0.11069
0.333451	1.37E-13	0.562102	2.97E-40	0.005115	0.91222	-0.04492	0.33279	0.08565
-0.2165	2.33E-06	-0.45265	5.72E-25	-0.07844	0.09042	-0.11184	0.01561	-0.08613
-0.15022	0.00113	-0.24803	5.62E-08	-0.05151	0.26657	-0.00012	0.99801	-0.16738
-0.1095	0.01793	-0.44734	2.33E-24	-0.03614	0.43585	-0.07814	0.09166	-0.26717
0.018858	0.6844	-0.06684	0.14927	-0.0088	0.84958	-0.03427	0.45996	0.086722
-0.05023	0.27873	-0.249	4.96E-08	0.003692	0.93658	-0.11514	0.01278	0.072618
0.085694	0.06427	0.004051	0.93043	0.056055	0.22664	0.029894	0.51929	0.255778
0.005319	0.90873	-0.3542	3.00E-15	-0.0273	0.55618	-0.10704	0.02069	-0.16259
0.007439	0.87262	-0.17386	0.00016	0.010212	0.8258	-0.01797	0.69849	0.00441
0.100208	0.03038	-0.11681	0.01153	-0.07545	0.10345	-0.21665	2.30E-06	-0.24526
0.0605	0.19185	-0.13115	0.00453	-0.0053	0.90899	-0.03833	0.40852	-0.01249
-0.043	0.3538	-0.25518	2.24E-08	-0.00354	0.93912	0.007754	0.86727	-0.03888
-0.10062	0.0297	-0.43749	2.96E-23	0.01264	0.78528	-0.04657	0.31524	0.025475
0.04976	0.28323	-0.24732	6.14E-08	-0.00401	0.9312	-0.05323	0.25097	-0.07254
0.175809	0.00013	0.30692	1.21E-11	-0.0114	0.80586	-0.06234	0.17864	-0.069
0.130647	0.00469	-0.14251	0.00202	0.028461	0.53953	0.002167	0.96276	-0.06472
-0.01867	0.68739	-0.01544	0.73927	0.02974	0.52145	0.145696	0.00159	-0.08983
-0.19582	2.03E-05	-0.35496	2.59E-15	-0.06334	0.17178	-0.06755	0.14494	-0.19577
-0.15351	0.00087	-0.18952	3.76E-05	-0.01632	0.72502	-0.04043	0.38338	-0.06599
-0.17863	0.0001	-0.37359	6.48E-17	-0.13334	0.00389	-0.14792	0.00135	-0.21204
-0.16479	0.00035	-0.43527	5.19E-23	-0.07253	0.11751	-0.15291	0.00092	-0.10313
-0.04085	0.37843	-0.20726	6.30E-06	-0.07123	0.12427	-0.16039	0.0005	-0.16616
-0.10559	0.02249	-0.49068	1.15E-29	-0.03244	0.48439	-0.07125	0.12418	-0.0854
-0.08083	0.08101	-0.42113	1.69E-21	0.003432	0.94103	-0.07837	0.09073	-0.0742
-0.0578	0.21248	-0.21523	2.68E-06	0.012653	0.78508	-0.01122	0.80898	-0.01062
0.131548	0.00441	-0.42349	9.55E-22	-0.05378	0.2461	-0.17386	0.00016	-0.14083
-0.2816	5.84E-10	-0.4155	6.45E-21	0.019556	0.67337	-0.03681	0.42738	0.129037
-0.1544	0.00081	-0.19759	1.70E-05	-0.04366	0.34645	-0.03786	0.41438	-0.20959
-0.01135	0.80669	-0.20009	1.32E-05	-0.00367	0.93701	-0.06212	0.18018	0.068693
-0.09744	0.03528	-0.35499	2.57E-15	-0.0067	0.88513	-0.04064	0.38093	-0.08869
-0.17039	0.00022	-0.47765	5.46E-28	-0.0478	0.30259	-0.03952	0.39414	-0.22109
-0.0877	0.05824	-0.26612	5.18E-09	0.015633	0.73616	0.038923	0.40136	-0.09416
-0.05752	0.21475	-0.19757	1.70E-05	-0.02062	0.65675	0.004118	0.92929	0.063634
-0.13259	0.0041	-0.46515	1.90E-26	-0.02659	0.56657	-0.03777	0.41544	-0.04252
-0.05378	0.24609	-0.23108	4.44E-07	-0.05895	0.20351	-0.08478	0.06717	-0.05994
0.038861	0.40211	-0.19904	1.47E-05	-0.00524	0.91004	-0.00953	0.83725	0.01552
-0.11704	0.01136	-0.48213	1.48E-28	0.00023	0.99605	-0.15627	0.0007	-0.1165
0.113838	0.01384	-0.1628	0.00041	-0.00922	0.84254	-0.02707	0.55959	-0.05555
-0.10144	0.02838	-0.29566	7.10E-11	-0.01627	0.7259	0.039619	0.39299	-0.12065
0.001707	0.97066	0.2889	1.98E-10	0.004394	0.92456	0.141865	0.00212	0.330902
0.12931	0.00513	-0.30971	7.70E-12	-0.0388	0.40282	-0.11523	0.01271	-0.12236
-0.09219	0.04647	-0.41729	4.22E-21	-0.03243	0.48453	-0.09744	0.03528	-0.18393
0.259535	1.26E-08	-0.01127	0.80808	-0.06785	0.14318	-0.13198	0.00428	-0.20347

-0.00769	0.86837	-0.11914	0.00997	-0.00383	0.93417	-0.01408	0.76158	-0.04297
-0.02235	0.62991	-0.33912	4.96E-14	-0.0161	0.7286	-0.08249	0.07492	-0.16439
-0.1955	2.10E-05	-0.46891	6.62E-27	-0.08294	0.07337	-0.1196	0.00968	-0.14374
-0.07506	0.10525	-0.36626	2.84E-16	-0.00772	0.86781	-0.09667	0.03677	-0.13781
-0.02616	0.57281	0.172843	0.00017	0.084187	0.06912	0.18831	4.22E-05	0.259767
-0.1583	0.0006	-0.49998	6.62E-31	-0.02925	0.52832	-0.07708	0.09618	-0.01605
-0.12292	0.00783	-0.34495	1.70E-14	-0.04471	0.33497	-0.02008	0.66509	-0.01396
-0.07543	0.10354	-0.43595	4.38E-23	-0.01805	0.69725	-0.05132	0.26836	-0.02578
-0.12719	0.00592	-0.30269	2.37E-11	0.013329	0.77389	-0.01008	0.82798	0.113565
0.212673	3.54E-06	0.524605	2.21E-34	0.060324	0.19316	0.179157	9.91E-05	0.17547
0.257749	1.60E-08	0.405047	7.26E-20	-0.0392	0.39804	0.087099	0.06	-0.01192
0.08445	0.06825	-0.25253	3.16E-08	-0.02756	0.5525	-0.12475	0.00695	0.010803
-0.07289	0.11573	-0.28855	2.09E-10	-0.06966	0.1328	-0.10983	0.01758	-0.12827
-0.05604	0.22674	-0.25842	1.46E-08	0.038272	0.40928	0.070537	0.12797	0.097868
-0.15703	0.00066	-0.36853	1.81E-16	-0.01674	0.7182	-0.05622	0.22528	-0.01131
-0.03328	0.47311	-0.32901	2.98E-13	-0.04871	0.2935	-0.19634	1.93E-05	-0.11354
-0.02682	0.56317	-0.30437	1.82E-11	-0.01686	0.71631	-0.02425	0.6012	-0.06268
0.04781	0.30254	-0.32257	9.07E-13	-0.01174	0.80018	-0.07303	0.11502	-0.04891
-0.08496	0.06659	-0.4115	1.64E-20	-0.03611	0.43626	-0.14553	0.00161	-0.17804
-0.03095	0.50462	-0.34026	4.03E-14	-0.0381	0.41141	-0.14397	0.00181	-0.08536
-0.08064	0.08171	-0.30461	1.75E-11	-0.05982	0.19692	-0.06288	0.17491	-0.10842
0.015703	0.73502	-0.2917	1.30E-10	0.018644	0.68779	-0.03196	0.49084	-0.01009
-0.02632	0.57052	-0.31188	5.41E-12	-0.0492	0.28868	-0.11008	0.01732	-0.12169
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0.01947	0.67473	-0.40178	1.52E-19	0.014669	0.75187	-0.05406	0.24361	-0.03151
0.165364	0.00033	-0.08705	0.06014	0.014079	0.76155	-0.01769	0.70306	0.009759
0.137113	0.00299	-0.25352	2.78E-08	-0.06481	0.16204	-0.13546	0.00336	-0.03097
-0.03455	0.45635	-0.32831	3.37E-13	-0.05731	0.21636	-0.10836	0.01916	0.025257
0.112221	0.01525	-0.11593	0.01218	-0.00703	0.87961	0.06484	0.16184	-0.07018
0.217841	2.01E-06	0.015586	0.73693	-0.03472	0.45419	-0.07367	0.11186	-0.055
0.027627	0.55148	-0.3156	2.93E-12	-0.04161	0.36959	-0.13101	0.00457	-0.00254
-0.02318	0.61726	-0.2405	1.43E-07	-0.03805	0.41202	-0.08184	0.07726	-0.02373
-0.04726	0.30817	-0.23769	2.02E-07	-0.0161	0.72861	-0.05057	0.2755	0.103418
-0.04031	0.38478	-0.26255	8.42E-09	-0.01282	0.78237	-0.06897	0.13666	-0.03963
-0.01896	0.68283	-0.26245	8.53E-09	-0.04044	0.38328	-0.18139	8.07E-05	-0.07293
-0.16409	0.00037	-0.38176	1.19E-17	-0.0288	0.53475	-0.12091	0.00891	-0.03721
0.073	0.11516	-0.02246	0.62833	-0.06699	0.14834	-0.12239	0.0081	-0.03364
0.037677	0.41662	-0.44244	8.35E-24	-0.05067	0.27451	-0.18764	4.50E-05	-0.03808
-0.07307	0.11483	-0.27939	8.03E-10	-0.05968	0.19793	-0.19711	1.78E-05	-0.19543
-0.01619	0.72706	-0.09239	0.04598	0.054986	0.23564	-0.01268	0.78464	-0.01426
0.159225	0.00055	0.482106	1.49E-28	0.045487	0.32667	0.091763	0.04749	0.129433
0.407754	3.91E-20	0.650774	1.37E-57	0.02711	0.55896	-0.01983	0.66906	0.017409
-0.2305	4.76E-07	-0.5288	5.30E-35	0.05001	0.28081	-0.01213	0.79382	-5.32E-05
0.193235	2.62E-05	0.540511	8.79E-37	0.076797	0.0974	0.110291	0.01711	0.381814

0.266704	4.79E-09	0.629507	6.49E-53	0.080444	0.08246	0.178915	0.0001	0.354108
0.425005	6.60E-22	0.693559	3.14E-68	0.00835	0.85718	-0.08279	0.07388	0.064307
0.214529	2.89E-06	0.514794	5.81E-33	0.040606	0.38129	0.127084	0.00596	0.095773
0.109762	0.01765	0.497871	1.27E-30	0.027058	0.55972	0.072348	0.11845	0.07954
0.364773	3.83E-16	0.649314	2.96E-57	-0.00571	0.90212	0.023432	0.6135	0.050744
0.340142	4.11E-14	0.610391	5.17E-49	0.060274	0.19352	0.182228	7.48E-05	0.140488
0.417472	4.04E-21	0.730962	3.44E-79	0.022958	0.62069	0.110081	0.01733	0.100943
0.293175	1.04E-10	0.682675	2.39E-65	0.016389	0.72391	0.097346	0.03546	0.00387
0.292617	1.13E-10	0.665747	4.12E-61	0.069726	0.13243	0.045472	0.32683	0.072806
0.163921	0.00038	0.512116	1.39E-32	0.104669	0.02369	0.194699	2.27E-05	0.406956
-0.16865	0.00025	-0.54905	4.00E-38	-0.06315	0.17309	-0.06039	0.19267	-0.32122
0.26641	4.98E-09	0.629402	6.83E-53	-0.00511	0.91225	-0.04735	0.30718	0.201275
0.318029	1.95E-12	0.567227	4.08E-41	0.038267	0.40935	0.091195	0.04889	0.10861
0.351107	5.39E-15	0.642442	1.03E-55	0.101079	0.02896	0.027845	0.54835	0.197259
0.422696	1.16E-21	0.848772	#####	0.055485	0.23141	0.137738	0.00286	0.184388
0.303045	2.24E-11	0.557429	1.76E-39	0.059689	0.19789	0.178694	0.0001	0.253479
0.248188	5.50E-08	0.476578	7.45E-28	0.013708	0.76765	-0.01334	0.77376	0.034089
0.232842	3.61E-07	0.512886	1.08E-32	0.089709	0.0527	0.09886	0.03269	0.302761
0.140305	0.00237	0.665543	4.62E-61	0.080809	0.08108	0.264093	6.83E-09	0.204396
0.225061	8.93E-07	0.543327	3.20E-37	0.006474	0.88904	0.073261	0.11387	0.157262
0.219851	1.61E-06	0.589367	5.11E-45	-0.01722	0.71056	-0.04751	0.30562	0.075174
0.194321	2.35E-05	0.568387	2.59E-41	0.006028	0.89664	-0.10725	0.02044	-0.05382
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-0.20375	9.09E-06	-0.66347	1.46E-60	-0.06277	0.1757	-0.20821	5.70E-06	-0.18019
0.194325	2.35E-05	0.665857	3.88E-61	0.053478	0.24875	0.117502	0.01105	0.267591
0.400255	2.14E-19	0.735231	1.47E-80	-0.01988	0.66822	-0.02893	0.53288	0.059038
0.307634	1.08E-11	0.556584	2.42E-39	-0.05198	0.26225	-0.02714	0.55856	-0.03562
0.171444	0.0002	0.527977	7.02E-35	0.070965	0.12568	0.281568	5.86E-10	0.181586
0.529374	4.35E-35	0.669224	5.86E-62	0.002535	0.95643	0.081012	0.08031	0.032247
0.249052	4.93E-08	0.536038	4.29E-36	0.076433	0.099	0.169779	0.00023	0.41919
0.309119	8.48E-12	0.537829	2.28E-36	0.017224	0.71045	0.071548	0.12259	0.065299
0.324129	6.95E-13	0.546891	8.80E-38	0.065094	0.16019	0.159777	0.00053	0.222859
0.314697	3.40E-12	0.493139	5.46E-30	0.071778	0.12139	0.032659	0.48139	0.186346
0.275696	1.36E-09	0.532967	1.26E-35	-0.04748	0.30586	-0.17964	9.48E-05	-0.19898
0.312737	4.70E-12	0.536271	3.95E-36	0.023429	0.61354	0.021815	0.6382	-0.03199
0.309205	8.36E-12	0.575715	1.41E-42	0.03688	0.42655	-0.00652	0.88823	0.225036
0.316284	2.61E-12	0.750099	1.53E-85	0.097099	0.03593	0.188622	4.09E-05	0.353217
-0.20088	1.22E-05	-0.6233	1.28E-51	0.042332	0.36137	-0.01347	0.77163	-0.17542
0.157668	0.00063	0.50707	7.06E-32	-0.04547	0.32688	-0.01164	0.80192	-0.0486
0.153661	0.00086	0.588035	8.95E-45	-0.0113	0.80751	0.016776	0.71766	-0.03536
0.317113	2.28E-12	0.666797	2.29E-61	0.048413	0.29647	0.056327	0.22439	0.178234
0.401945	1.47E-19	0.697261	3.08E-69	-0.01683	0.71673	-0.10873	0.01876	0.03313
0.372529	8.04E-17	0.595261	4.15E-46	-0.00432	0.9258	-0.0515	0.26671	0.000806
0.479908	2.83E-28	0.600341	4.57E-47	0.012864	0.78158	-0.03829	0.40905	0.143343
0.252026	3.37E-08	0.586689	1.57E-44	0.063093	0.17347	0.113394	0.01421	0.282181

0.098844	0.03272	0.422584	1.19E-21	0.003996	0.93137	-0.04328	0.35073	0.187867
-0.26949	3.26E-09	-0.5382	2.00E-36	-0.04135	0.37262	-0.08821	0.05681	-0.2883
0.330029	2.50E-13	0.58543	2.66E-44	0.043982	0.34294	-0.03572	0.44125	0.067042
0.286528	2.83E-10	0.736372	6.28E-81	0.086242	0.06258	0.055401	0.23211	0.368722
0.143158	0.00193	0.682292	3.00E-65	0.102642	0.02655	0.203239	9.58E-06	0.289231
0.242629	1.10E-07	0.422754	1.14E-21	-0.03931	0.39673	0.126957	0.00601	-0.09723
0.250959	3.86E-08	0.597496	1.58E-46	0.058304	0.20851	0.064979	0.16093	0.281224
0.374207	5.71E-17	0.587333	1.20E-44	-0.03014	0.51592	-0.04568	0.32456	-0.08426
0.324599	6.41E-13	0.510495	2.35E-32	0.039401	0.39559	0.111405	0.01602	0.035241
0.230506	4.76E-07	0.482296	1.41E-28	0.010379	0.823	-0.05672	0.2212	0.054488
-0.2622	8.82E-09	-0.58325	6.56E-44	-0.02771	0.55034	-0.07089	0.12605	-0.18677
0.299765	3.76E-11	0.750935	7.85E-86	0.061203	0.18673	0.101002	0.02908	0.119519
0.444252	5.22E-24	0.589989	3.93E-45	0.005352	0.90818	-0.09732	0.03552	0.103915
0.341669	3.11E-14	0.492372	6.90E-30	0.002955	0.94923	-0.06882	0.13752	0.162001
0.226523	7.55E-07	0.586138	1.98E-44	0.00634	0.89131	0.044208	0.34047	0.056639
0.287537	2.43E-10	0.514832	5.73E-33	-0.03077	0.5071	-0.04058	0.38159	-0.01139
0.415663	6.20E-21	0.668562	8.51E-62	0.023777	0.60829	-0.00569	0.90234	-0.04841
0.276349	1.24E-09	0.608339	1.31E-48	0.023425	0.61361	0.057017	0.21875	0.047326
-0.1344	0.00362	-0.58453	3.85E-44	-0.04003	0.38804	-0.13936	0.00254	-0.16651
-0.18133	8.12E-05	-0.44784	2.04E-24	-0.01307	0.7782	0.021474	0.64346	0.01351
-0.15279	0.00092	-0.54575	1.33E-37	-0.06643	0.15176	-0.1053	0.02286	-0.21676
0.204942	8.03E-06	0.40215	1.40E-19	-0.00358	0.93858	-0.04019	0.38625	-0.06885
-0.23779	2.00E-07	-0.63402	7.09E-54	-0.03966	0.3925	0.016721	0.71855	-0.1481
0.403114	1.13E-19	0.744996	8.60E-84	0.034344	0.45906	-0.0043	0.9262	0.299085
0.450109	1.12E-24	0.733645	4.78E-80	0.091822	0.04735	0.207031	6.45E-06	0.298538
-0.27445	1.63E-09	-0.55993	6.83E-40	-0.03102	0.50365	-0.04664	0.31451	-0.13766
-0.14995	0.00115	-0.52623	1.28E-34	-0.06443	0.16454	-0.0636	0.17002	-0.1207
0.326519	4.60E-13	0.691677	1.01E-67	0.06348	0.17084	0.113908	0.01378	0.178436
0.456881	1.84E-25	0.91495	#####	0.050198	0.279	0.03336	0.47202	0.192567
-0.27735	1.08E-09	-0.66763	1.43E-61	-0.03234	0.48575	-0.08856	0.05583	-0.21221
0.270704	2.75E-09	0.507158	6.87E-32	0.038529	0.40615	-0.05976	0.19735	0.123373
0.241795	1.22E-07	0.698105	1.80E-69	-0.00251	0.95691	0.062374	0.17843	0.106338
-0.33901	5.05E-14	-0.63208	1.84E-53	-0.05625	0.22502	-0.13731	0.00295	-0.20205
-0.23734	2.11E-07	-0.45696	1.80E-25	-0.00034	0.99415	0.052421	0.25824	-0.25304
0.303358	2.13E-11	0.712453	1.52E-73	0.019731	0.67063	0.102695	0.02647	0.049974
0.250203	4.26E-08	0.556699	2.32E-39	0.055319	0.23281	0.069361	0.13447	0.175474
0.238054	1.93E-07	0.578369	4.83E-43	0.014493	0.75476	0.026526	0.56746	0.132172
0.39493	7.00E-19	0.807134	#####	0.016535	0.72154	0.021376	0.64497	0.069183
0.14819	0.00132	0.390561	1.82E-18	0.034106	0.46217	-0.01099	0.81281	0.208483
0.174184	0.00015	0.227826	6.50E-07	-0.04973	0.28353	0.082007	0.07666	-0.15547
0.21354	3.22E-06	0.542449	4.39E-37	0.004674	0.91976	0.122556	0.00802	0.017487
0.276452	1.22E-09	0.50668	8.00E-32	-0.02455	0.59666	-0.10869	0.01879	0.026693
0.186668	4.93E-05	0.511911	1.49E-32	0.107055	0.02067	0.228071	6.32E-07	0.23407
0.457797	1.43E-25	0.665727	4.17E-61	0.023149	0.6178	-0.09161	0.04787	0.153551
0.334492	1.14E-13	0.746572	2.51E-84	0.024903	0.59141	0.049582	0.28495	0.01509



0.147259	0.00142	0.548859	4.28E-38	0.035195	0.44799	0.136068	0.00322	0.020235
0.288073	2.24E-10	0.469311	5.92E-27	-0.01767	0.70338	-0.07433	0.10866	-0.09642
0.242568	1.11E-07	0.488634	2.13E-29	0.00525	0.90991	-0.04998	0.28112	0.000912
0.253456	2.80E-08	0.478745	3.97E-28	0.019116	0.68032	-0.01765	0.70363	-0.00585
0.362509	5.98E-16	0.813419	#####	0.050006	0.28085	0.140096	0.00241	0.207375
0.209066	5.21E-06	0.580261	2.24E-43	0.004813	0.91737	-0.01755	0.7053	0.00955
0.405348	6.78E-20	0.676364	9.79E-64	0.007	0.88008	0.022039	0.63475	0.071811
-0.19819	1.60E-05	-0.56317	1.97E-40	0.038256	0.40949	-0.03109	0.50272	0.012741
0.173001	0.00017	0.524803	2.07E-34	0.014002	0.76282	0.169543	0.00023	0.099752
0.220549	1.49E-06	0.489855	1.48E-29	-0.00589	0.899	0.057332	0.21622	0.09214
0.340083	4.16E-14	0.734858	1.94E-80	0.015428	0.73949	0.094974	0.04021	0.043022
0.256595	1.86E-08	0.550654	2.21E-38	0.04128	0.37343	0.206953	6.51E-06	0.141748
0.402969	1.16E-19	0.686792	2.01E-66	0.106433	0.02142	0.042997	0.35386	0.342812
0.405654	6.33E-20	0.63294	1.21E-53	-0.01993	0.66756	-0.13462	0.00356	0.005852
0.264383	6.57E-09	0.514377	6.65E-33	0.018237	0.69427	0.04217	0.36321	0.125215
0.258146	1.52E-08	0.704466	3.02E-71	0.08139	0.07891	-0.00686	0.88241	0.335724
0.309407	8.09E-12	0.662797	2.12E-60	0.093502	0.04343	0.282869	4.85E-10	0.290365
-0.17053	0.00021	-0.56198	3.11E-40	-0.02705	0.55984	-0.10377	0.02492	-0.28049
-0.14066	0.00231	-0.55422	5.89E-39	0.051368	0.26794	0.029667	0.52247	0.10078
0.437532	2.93E-23	0.909608	#####	0.011319	0.80726	0.054759	0.23758	0.074983
0.212915	3.45E-06	0.528591	5.69E-35	0.029817	0.52038	-0.01052	0.82065	0.105259
0.294199	8.89E-11	0.638826	6.44E-55	0.037408	0.41995	0.151341	0.00104	0.011568
0.417258	4.25E-21	0.617551	1.92E-50	-0.00147	0.97472	0.009899	0.83106	-0.11344
0.122557	0.00802	0.512983	1.05E-32	0.07367	0.11185	0.199973	1.34E-05	0.229114
0.322797	8.72E-13	0.52684	1.04E-34	0.031474	0.49746	0.096846	0.03642	0.100983
0.191259	3.17E-05	0.505639	1.11E-31	-0.0056	0.90386	-0.01914	0.67996	0.074284
0.286258	2.94E-10	0.655842	9.29E-59	0.029467	0.52529	0.04842	0.29641	0.140483
0.395699	5.91E-19	0.808442	#####	0.014661	0.752	0.061237	0.18649	0.113573
0.36982	1.39E-16	0.581506	1.34E-43	0.075771	0.10197	0.256858	1.80E-08	0.152243
0.111799	0.01564	0.559169	9.11E-40	0.005103	0.91242	0.03055	0.51017	0.051419
0.06266	0.17644	0.538959	1.53E-36	-0.00141	0.97576	0.169137	0.00024	0.25124
0.173261	0.00017	0.567319	3.94E-41	0.038973	0.40075	0.137272	0.00295	0.127923
0.386243	4.60E-18	0.592679	1.25E-45	0.011274	0.80801	0.040823	0.37875	-0.02946
0.158065	0.00061	0.610217	5.60E-49	0.096503	0.03709	0.259042	1.35E-08	0.241696
-0.23208	3.95E-07	-0.55017	2.65E-38	-0.0611	0.18751	-0.10379	0.02489	-0.25827
0.246613	6.71E-08	0.562446	2.60E-40	-0.03066	0.50866	-0.04984	0.2825	0.004765
0.338262	5.78E-14	0.748292	6.45E-85	0.084176	0.06915	0.135118	0.00344	0.051044
0.165407	0.00033	0.574052	2.75E-42	0.068334	0.14035	0.129872	0.00494	0.211162
0.205597	7.50E-06	0.524467	2.32E-34	0.03937	0.39597	0.050181	0.27917	0.266102
0.240716	1.40E-07	0.363402	5.02E-16	-0.00365	0.93732	-0.05254	0.25717	0.317351
-0.21048	4.48E-06	-0.55448	5.34E-39	-0.02935	0.52694	-0.12078	0.00898	-0.17072
0.248281	5.44E-08	0.39854	3.15E-19	0.028016	0.54589	-0.06059	0.19123	0.213965
0.503121	2.47E-31	0.80064	#####	0.043046	0.35332	0.010262	0.82495	0.115833
0.21378	3.14E-06	0.548785	4.40E-38	0.016841	0.71661	0.17175	0.00019	0.149743
0.380761	1.47E-17	0.456456	2.06E-25	0.040825	0.37873	-0.07172	0.12167	0.231319

-0.00204	0.96489	-0.02149	0.64315	0.029049	0.53118	-0.02847	0.53946	0.108922
-0.07719	0.09571	-0.34142	3.26E-14	0.016642	0.71982	-0.05197	0.26238	0.055355
0.201856	1.10E-05	0.012016	0.79564	0.037596	0.41761	-0.04938	0.28696	-0.02064
0.240822	1.38E-07	0.03081	0.50657	0.052915	0.25377	-0.00832	0.85761	-0.03112
-0.00329	0.94348	-0.0399	0.38969	0.074897	0.10599	0.069429	0.13409	0.127572
0.101031	0.02903	-0.15062	0.0011	0.030267	0.51409	-0.05769	0.21339	-0.01306
-0.00215	0.96302	-0.07844	0.09041	0.011378	0.80627	0.031497	0.49714	0.051507
-0.05316	0.2516	-0.29632	6.42E-11	0.019339	0.67679	0.015566	0.73724	0.023562
-0.09944	0.03168	-0.32454	6.48E-13	0.009189	0.84301	0.042457	0.35996	-0.02953
0.061298	0.18605	-0.20994	4.75E-06	0.010588	0.81949	-0.08159	0.07817	-0.01056
0.26299	7.93E-09	0.048724	0.29338	-0.05163	0.26553	-0.0713	0.12389	-0.18015
0.041049	0.37611	0.059776	0.19723	0.056391	0.22386	0.108698	0.01879	0.140574
-0.13522	0.00341	-0.10452	0.0239	-0.05189	0.26305	-0.04078	0.37922	-0.05485
0.303536	2.08E-11	-0.08598	0.06339	-0.02114	0.6486	-0.13742	0.00292	-0.02852
-0.05609	0.22632	0.15919	0.00055	-0.00276	0.95256	0.080034	0.08405	0.078789
0.040621	0.38112	-0.06307	0.17362	0.002597	0.95536	0.003994	0.9314	-0.04684
0.431989	1.18E-22	0.429321	2.29E-22	0.076004	0.10092	0.164833	0.00035	0.184887
-0.1481	0.00133	-0.04575	0.32392	-0.04277	0.3564	0.011612	0.80238	-0.14209
-0.02988	0.51951	-0.42735	3.72E-22	-0.03352	0.46994	-0.17971	9.42E-05	-0.04666
0.114071	0.01364	-0.10687	0.0209	0.00481	0.91744	0.027763	0.54953	0.006148
0.145267	0.00165	0.29844	4.62E-11	-0.02319	0.61717	-0.04018	0.3863	0.011952
-0.14902	0.00124	-0.00225	0.96138	-0.02732	0.55599	0.018425	0.69127	-0.00366
0.223779	1.03E-06	0.27645	1.22E-09	0.098269	0.03375	0.085843	0.06381	0.231354
-0.00672	0.88478	0.001248	0.97853	-0.01707	0.71297	-0.02216	0.63297	0.082667
-0.06855	0.1391	0.044048	0.34221	0.071488	0.1229	0.146484	0.0015	0.141408
-0.05928	0.201	-0.19347	2.56E-05	-0.03882	0.40255	-0.02663	0.56593	-0.05986
-0.08164	0.07799	-0.17589	0.00013	-0.09766	0.03488	-0.1714	0.0002	-0.18494
0.044508	0.33719	-0.05925	0.20124	0.029618	0.52317	0.018147	0.69569	-0.01944
0.098968	0.0325	0.047529	0.3054	0.040701	0.38018	0.049487	0.28588	0.037228
0.050815	0.27313	-0.07825	0.0912	0.006786	0.88372	-0.01456	0.75371	0.0606
0.000687	0.98819	-0.10992	0.01749	0.033242	0.47359	0.042002	0.36513	-0.02778
0.07913	0.08762	-0.03117	0.50161	-0.02813	0.54431	-0.09286	0.0449	-0.03111
0.132158	0.00422	0.204563	8.35E-06	0.021151	0.64846	0.023158	0.61765	0.142209
-0.06802	0.14221	-0.06499	0.16086	-0.0267	0.56488	-0.07065	0.12739	-0.09948
0.184099	6.28E-05	0.084253	0.0689	-0.00517	0.91127	-0.03911	0.39911	0.031975
0.106301	0.02159	-0.3195	1.53E-12	-0.00438	0.92482	-0.04957	0.28509	-0.06275
0.27307	1.98E-09	-0.13383	0.00376	-0.00346	0.94054	-0.08459	0.06779	-0.05772
0.042108	0.36392	0.045105	0.33075	-0.02489	0.59165	-0.06511	0.16007	-0.01045
-0.13002	0.00489	-0.28321	4.61E-10	0.036517	0.43111	0.018322	0.69291	0.068245
-0.07123	0.12428	0.071294	0.12392	-0.10087	0.02928	-0.05427	0.24183	-0.03791
-0.10193	0.02762	0.142668	0.002	0.070283	0.12936	0.140714	0.0023	0.031703
-0.07426	0.10901	0.186043	5.23E-05	-0.00493	0.91544	0.009157	0.84355	0.075548
0.072426	0.11805	0.083935	0.06996	-0.04271	0.35709	-0.04928	0.28786	-0.00462
-0.09678	0.03656	-0.35758	1.56E-15	0.060436	0.19233	0.075506	0.10317	0.18605
0.120829	0.00896	-0.34716	1.13E-14	-0.03211	0.48884	-0.15344	0.00088	-0.15726

-0.10133	0.02857	-0.3681	1.97E-16	0.053032	0.25272	0.068003	0.14229	0.123158
0.090252	0.05128	0.167609	0.00027	-0.04702	0.31058	-0.07117	0.12458	-0.02215
-0.02037	0.66059	-0.10941	0.01803	0.135322	0.00339	0.052432	0.25814	0.099817
0.043692	0.34614	-0.15446	0.00081	0.059708	0.19775	0.060622	0.19096	0.122053
0.020862	0.65295	-0.00745	0.87241	-0.04376	0.34536	-0.10285	0.02625	-0.02296
-0.01265	0.78516	-0.05174	0.26449	0.014324	0.75752	0.027632	0.55141	-0.01706
-0.18358	6.59E-05	-0.06666	0.15035	-0.03793	0.41352	-0.05532	0.23283	-0.0594
0.119505	0.00974	-0.06367	0.16957	0.021268	0.64664	-0.03506	0.44968	-0.08263
0.078754	0.08914	-0.01158	0.80283	-0.00075	0.98703	-0.02744	0.55418	-0.04342
-0.00124	0.9786	-0.01387	0.765	-0.04573	0.32409	-0.05767	0.21354	-0.01201
-0.05733	0.21624	-0.09294	0.04471	-0.05024	0.27862	-0.06151	0.1845	-0.06647
-0.06284	0.17522	-0.01034	0.8237	-0.07097	0.12564	-0.08067	0.0816	-0.09548
-0.0359	0.43896	0.041721	0.36835	-0.03198	0.4906	-0.03309	0.47556	0.02557
0.064376	0.16487	0.184072	6.30E-05	-0.02346	0.6131	0.139639	0.00249	0.051035
0.152699	0.00093	-0.1595	0.00054	0.029613	0.52323	-0.07987	0.08468	0.01663
-0.31619	2.66E-12	-0.25103	3.83E-08	-0.06858	0.1389	-0.04896	0.29109	-0.1186
-0.04269	0.35731	-0.2736	1.83E-09	0.043349	0.34994	-0.01126	0.8082	0.00596
0.033008	0.47671	-0.00709	0.8786	-0.02954	0.52422	-0.06961	0.1331	-0.05022
-0.04196	0.36566	0.004699	0.91934	-0.08196	0.07682	-0.16665	0.0003	-0.24784
0.15448	0.00081	-0.07712	0.096	0.039382	0.39583	0.036004	0.43762	-0.04289
0.113911	0.01378	-0.07207	0.11985	0.028834	0.53422	0.022468	0.62817	0.043108
0.009145	0.84376	-0.30285	2.31E-11	-0.01632	0.72497	-0.08817	0.0569	-0.10205
0.166503	0.0003	-0.03193	0.49124	-0.03347	0.47053	-0.05672	0.22118	-0.00474
0.00226	0.96115	0.145232	0.00165	-0.02742	0.55445	0.016192	0.72708	0.084691
0.102084	0.02739	0.064038	0.1671	0.038386	0.40789	0.164167	0.00037	-0.03866
0.062956	0.1744	-0.02044	0.65952	0.060412	0.19251	0.052249	0.2598	0.226316
0.050784	0.27342	-0.05165	0.26531	0.03756	0.41807	0.02756	0.55245	-0.12463
-0.22817	6.24E-07	-0.13934	0.00255	-0.03152	0.49688	0.06342	0.17124	-0.00442
-0.08225	0.0758	0.007252	0.87579	-0.06101	0.18816	-0.1053	0.02287	-0.07652
0.168547	0.00025	0.042277	0.36199	-0.02845	0.53965	-0.04531	0.32859	-0.25566
0.039135	0.39879	0.029143	0.52986	0.043328	0.35018	0.104118	0.02444	0.155367
-0.04673	0.31357	-0.0607	0.1904	0.126681	0.00612	0.201601	1.13E-05	0.143174
0.01813	0.69596	-0.11602	0.01211	0.026538	0.56728	-0.03643	0.43226	0.025801
0.416002	5.72E-21	0.316579	2.49E-12	-0.03216	0.48818	-0.15759	0.00063	-0.17576
0.036265	0.4343	0.205594	7.50E-06	-0.00731	0.87486	0.000885	0.98479	0.099799
-0.09914	0.0322	0.137402	0.00293	0.046119	0.31998	0.050382	0.27724	0.065357
0.031002	0.50393	-0.19746	1.72E-05	0.033674	0.46787	-0.04877	0.29295	0.076968
-0.08124	0.07948	-0.33805	6.01E-14	0.002621	0.95495	-0.04851	0.2955	-0.00788
0.104747	0.02359	-0.07793	0.09255	0.010604	0.81922	-0.07265	0.11692	-0.02451
0.31839	1.84E-12	0.489468	1.66E-29	-0.018	0.69812	-0.01013	0.82723	-0.03013
-0.10552	0.02258	-0.24875	5.13E-08	0.033733	0.46708	0.044358	0.33883	0.011276
0.031603	0.49569	-0.12179	0.00842	0.022355	0.62991	-0.03193	0.49123	0.019852
0.065637	0.15673	-0.00852	0.85428	0.000476	0.99181	0.000811	0.98605	0.068053
0.206684	6.69E-06	0.21123	4.13E-06	-0.00359	0.93836	-0.03491	0.45167	-0.00985
0.132646	0.00408	-0.0712	0.12441	0.029839	0.52007	-0.00474	0.91857	0.099605

0.208848	5.33E-06	0.105081	0.02315	0.046085	0.32033	0.02792	0.54727	0.080901
0.196162	1.96E-05	-0.11551	0.01249	0.013264	0.77496	-0.09856	0.03322	-0.09381
-0.00232	0.96013	0.044571	0.33651	0.156957	0.00066	0.219076	1.75E-06	0.505216
0.094323	0.04161	0.237229	2.14E-07	-0.01404	0.76223	-0.01198	0.7962	0.191123
0.005476	0.90605	-0.17722	0.00012	-0.05477	0.23749	-0.10292	0.02614	0.067855
-0.1033	0.02559	-0.34896	8.08E-15	-0.02601	0.57495	-0.05511	0.23454	-0.11536
-0.06844	0.13971	-0.34948	7.33E-15	-0.00506	0.91312	-0.0591	0.20235	-0.08276
-0.08278	0.0739	-0.35644	1.95E-15	-0.00762	0.86947	-0.04449	0.33736	-0.06154
0.037924	0.41356	0.122769	0.00791	0.120383	0.00921	0.182441	7.33E-05	0.223871
0.018166	0.69539	-0.05473	0.23783	-0.03256	0.48266	-0.05937	0.20033	-0.10295
-0.1215	0.00858	-0.28403	4.09E-10	-0.00741	0.87303	-0.0383	0.40895	0.066113
0.081585	0.07819	-0.26108	1.03E-08	0.017898	0.69967	-0.05073	0.27389	-0.04461
-0.05618	0.22563	-0.12107	0.00882	0.031812	0.49284	0.033751	0.46685	0.037733
-0.01133	0.80704	-0.14489	0.00169	0.032471	0.48393	0.017454	0.70676	0.02233
-0.02728	0.55651	-0.10455	0.02385	0.033045	0.47622	-1.70E-05	0.99971	0.061676
0.293846	9.38E-11	0.202399	1.04E-05	0.015366	0.7405	-0.03586	0.4394	0.006698
0.345562	1.52E-14	0.184418	6.10E-05	0.022236	0.63172	-0.02455	0.59671	-0.01191
0.045239	0.32931	0.030375	0.51259	0.033542	0.46962	0.058591	0.20629	0.07217
0.007137	0.87775	-0.1262	0.00632	-0.02089	0.6525	-0.076	0.10093	0.029981
0.124091	0.00726	0.121954	0.00833	0.087247	0.05957	0.003931	0.93248	0.118029
-0.07438	0.10845	0.011174	0.80969	-0.03457	0.4561	-0.05603	0.22686	-0.00178
0.327027	4.22E-13	0.236242	2.41E-07	-0.01254	0.78696	-0.01931	0.67722	-0.04443
-0.0961	0.03789	-0.14332	0.0019	-0.08707	0.06008	-0.10077	0.02946	-0.09991
0.001197	0.97941	0.125528	0.0066	-0.01683	0.71683	0.013796	0.76619	-0.03175
0.279331	8.10E-10	0.096763	0.03658	0.028885	0.5335	-0.02274	0.62401	0.014057
-0.00758	0.87018	-0.13429	0.00364	0.012011	0.79573	-0.07634	0.09942	0.056198
0.148887	0.00125	-0.15314	0.0009	0.024512	0.59725	0.086303	0.06239	-0.01024
0.002108	0.96377	-0.14839	0.0013	0.065831	0.15551	0.099405	0.03174	0.098738
-0.0667	0.15009	0.017702	0.7028	0.098576	0.03319	0.240249	1.48E-07	0.213372
0.147921	0.00135	-0.08606	0.06313	0.005022	0.91381	-0.06372	0.16923	-7.64E-05
0.195967	2.00E-05	0.207777	5.97E-06	0.087425	0.05905	0.266544	4.89E-09	0.011297
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-0.01305	0.77844	0.019627	0.67226	-0.01244	0.78861	0.005526	0.9052	-0.01927
0.185294	5.61E-05	0.039231	0.39764	0.021981	0.63565	-0.02337	0.61446	0.036662
0.117456	0.01108	0.106652	0.02116	-0.06832	0.14041	-0.11779	0.01085	-0.0596
-0.01036	0.82326	-0.1185	0.01038	-0.04063	0.38096	-0.09477	0.04064	-0.07901
0.058895	0.20394	-0.16038	0.0005	0.01074	0.81695	-0.01401	0.76273	-0.005
-0.20107	1.20E-05	-0.11449	0.0133	-0.06317	0.17294	-0.04538	0.32777	-0.16075
-0.01977	0.67003	-0.22709	7.08E-07	0.138298	0.00274	0.064962	0.16105	0.175183
-0.12847	0.00543	-0.07006	0.13057	-0.07992	0.0845	-0.09205	0.04679	0.025396
-0.12914	0.00519	0.036868	0.4267	-0.07341	0.11312	-0.06311	0.17335	-0.0351
-0.00179	0.96921	-0.12441	0.00711	-0.00456	0.92179	-0.02707	0.55952	0.022373
-0.16772	0.00027	-0.12766	0.00573	-0.04335	0.34997	-0.05699	0.21898	-0.05424
0.151328	0.00104	0.080638	0.08172	0.069234	0.13519	0.061766	0.18271	0.068919
-0.16641	0.0003	-0.26366	7.24E-09	-0.09641	0.03728	-0.09069	0.05016	-0.15473

0.102917	0.02615	0.06918	0.1355	0.029461	0.52538	-0.01472	0.75099	0.071585
0.074547	0.10764	0.047039	0.31041	-0.03959	0.39338	-0.04341	0.34929	-0.0443
-0.08258	0.07463	-0.05324	0.25086	0.006978	0.88045	0.029433	0.52576	-0.06193
0.259604	1.25E-08	0.33235	1.66E-13	-0.02277	0.62359	-0.00606	0.896	-0.04966
0.021951	0.63611	0.082715	0.07414	-0.02966	0.52251	-0.06488	0.16161	-0.03141
0.036896	0.42634	-0.01615	0.72782	-0.02516	0.58761	-0.04515	0.33031	-0.01492
-0.18833	4.21E-05	-0.17502	0.00014	0.033856	0.46546	-0.01838	0.69206	-0.01132
-0.01694	0.71501	-0.15613	0.00071	0.026545	0.56718	0.014967	0.74701	-0.07846
-0.05783	0.21224	-0.24456	8.68E-08	0.007001	0.88006	0.005617	0.90364	-0.00455
0.022213	0.63208	-0.09469	0.04081	0.008667	0.85182	-0.0104	0.82265	-0.00956
0.14968	0.00118	-0.09427	0.04172	0.096946	0.03623	0.13716	0.00298	0.066417
0.130539	0.00472	0.068591	0.13887	0.049107	0.28959	0.04797	0.30092	0.196327
0.064336	0.16513	-0.1623	0.00043	0.015711	0.73489	-0.03959	0.39331	0.047559
-0.1035	0.02531	0.069834	0.13183	0.03095	0.50464	0.052175	0.26048	0.060041
0.195486	2.10E-05	0.340256	4.03E-14	-0.00342	0.94124	-0.0066	0.88681	0.071256
-0.12389	0.00735	-0.2102	4.62E-06	0.075072	0.10518	0.129099	0.0052	0.182025
0.192391	2.84E-05	0.032765	0.47997	0.046139	0.31977	0.05084	0.27289	0.149052
0.14861	0.00128	0.300491	3.35E-11	-0.00085	0.98543	-0.07338	0.11326	0.026046
0.231094	4.44E-07	0.232891	3.59E-07	-0.03577	0.44066	0.009796	0.83279	-0.03135
-0.14468	0.00172	0.069512	0.13363	-0.02559	0.58121	0.009912	0.83084	0.02482
0.097287	0.03558	0.036572	0.43042	-0.0108	0.81598	-0.00293	0.94958	-0.06902
0.051999	0.26209	-0.17078	0.00021	-0.00542	0.90698	-0.08487	0.06687	-0.12521
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-0.00469	0.91957	-0.18547	5.52E-05	0.014078	0.76157	-0.00916	0.84352	-0.04652
-0.12845	0.00544	-0.25985	1.21E-08	-0.08939	0.05354	-0.08284	0.07369	-0.15869
-0.00343	0.94106	0.066591	0.15078	0.072963	0.11534	0.078248	0.09122	0.073046
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0.171774	0.00019	0.400386	2.08E-19	0.015466	0.73887	0.066446	0.15167	0.183964
0.19495	2.21E-05	0.049059	0.29007	-0.0936	0.04321	-0.09399	0.04233	-0.20553
0.241564	1.26E-07	-0.17702	0.00012	-0.05919	0.20171	-0.21402	3.06E-06	-0.17795
0.019164	0.67956	-0.00592	0.8985	-0.06301	0.17406	-0.05253	0.25722	-0.23995
0.038849	0.40225	0.048867	0.29196	0.043832	0.3446	0.056351	0.22419	0.1091
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-0.14832	0.00131	-0.08531	0.06548	-0.03518	0.44817	-0.00328	0.94369	-0.04923
-0.02703	0.56014	-0.21227	3.70E-06	0.018556	0.68919	-0.05146	0.26704	0.02901
0.012293	0.79105	-0.01237	0.78969	-0.01012	0.82726	-0.00123	0.97892	0.004797
-0.12855	0.0054	0.031334	0.49936	-0.03349	0.47024	0.00659	0.88706	0.049344
-0.06703	0.14812	-0.04288	0.35519	-0.0425	0.35952	-0.00237	0.95921	0.061136
-0.05954	0.19904	-0.10907	0.01839	0.059814	0.19695	0.036741	0.42829	0.155946
0.19371	2.50E-05	0.323027	8.39E-13	0.041869	0.36665	0.182442	7.33E-05	0.029436
0.059474	0.19952	-0.11353	0.0141	0.042579	0.35857	-0.01953	0.67379	0.104722
0.10366	0.02508	0.094476	0.04128	0.038838	0.40239	0.061912	0.18167	0.02798
0.078405	0.09057	0.130186	0.00484	0.07136	0.12358	0.189559	3.74E-05	0.240018
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0.126807	0.00607	-0.03558	0.44299	0.042353	0.36114	0.01599	0.73036	-0.05374
0.109878	0.01753	-0.01428	0.75817	0.025609	0.58094	-0.00307	0.94725	0.004302
-0.18675	4.89E-05	-0.23807	1.93E-07	-0.04021	0.38601	-0.04425	0.34002	-0.06371
0.026503	0.56779	0.105578	0.0225	0.000107	0.99817	-0.03223	0.48711	0.073526
0.040957	0.37719	-0.04903	0.29035	-0.01701	0.71388	0.02653	0.56741	-0.00484
0.013021	0.77899	-0.06849	0.13943	0.06013	0.19459	0.005416	0.90707	0.104072
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0.190849	3.30E-05	-0.03181	0.49284	0.031675	0.49471	-0.02334	0.61494	-0.01429
0.133137	0.00395	0.286559	2.81E-10	-0.03655	0.43069	-0.09261	0.04547	0.032081
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0.135347	0.00338	0.160422	0.0005	0.013385	0.77297	0.090171	0.05149	0.128106
0.142483	0.00202	0.187003	4.78E-05	-0.07744	0.09463	-0.09732	0.03551	-0.11332
-0.1445	0.00174	0.086074	0.06309	0.016304	0.72528	0.08788	0.05774	-0.04332
0.136175	0.00319	-0.06991	0.13142	0.01941	0.67568	-0.0229	0.62156	0.023447
-0.11542	0.01256	-0.23167	4.15E-07	0.019955	0.66711	0.033083	0.47572	0.086012
0.077788	0.09314	0.09712	0.03589	0.044947	0.33244	0.064609	0.16334	0.169384
0.322324	9.46E-13	0.134146	0.00368	-0.02804	0.54557	-0.10216	0.02728	-0.0784
0.179219	9.85E-05	0.072473	0.11782	0.032695	0.48091	-0.00474	0.91869	0.090134
0.158763	0.00057	-0.13325	0.00392	-0.02909	0.53064	-0.14217	0.00207	-0.15774
0.372951	7.38E-17	0.138261	0.00275	-0.03541	0.44521	-0.1328	0.00404	-0.1807
0.02423	0.60147	-0.05782	0.21235	-0.02258	0.62654	-0.01726	0.70992	-0.03343
-0.21962	1.65E-06	-0.32236	9.40E-13	-0.05647	0.22321	-0.13995	0.00244	-0.23147
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0.065913	0.15499	-0.21046	4.49E-06	0.002349	0.95963	-0.05118	0.26965	0.041241
0.142583	0.00201	-0.18595	5.28E-05	-0.04011	0.3871	-0.05276	0.25515	-0.06111
0.098214	0.03385	0.173891	0.00016	-0.01465	0.75223	-0.075	0.10551	0.048357
0.086314	0.06236	-0.10352	0.02528	-0.04059	0.38144	-0.09313	0.04426	-0.19104
0.013951	0.76365	-0.2341	3.11E-07	-0.0179	0.69964	-0.09119	0.0489	-0.08065
0.221645	1.32E-06	0.061684	0.18329	0.05669	0.22142	0.050725	0.27398	0.069799
0.359631	1.05E-15	-0.17374	0.00016	-0.04419	0.34069	-0.18855	4.12E-05	-0.05479
0.110792	0.01661	0.148498	0.00129	0.010763	0.81656	0.084621	0.06769	-0.02442
0.162205	0.00043	-0.02841	0.54024	0.001217	0.97907	-0.10579	0.02223	-0.01531
0.054793	0.23729	0.060729	0.19018	-0.0316	0.49577	-0.03129	0.50003	0.004046
0.124308	0.00715	0.094012	0.04229	0.056536	0.22267	0.115471	0.01252	0.12461
-0.07321	0.11413	-0.44426	5.21E-24	0.0536	0.24767	0.017955	0.69876	-0.01665
0.161002	0.00048	0.056724	0.22113	0.021194	0.6478	-0.02632	0.57044	-0.08317
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0.349862	6.82E-15	0.006133	0.89484	0.022794	0.6232	-0.00803	0.86254	-0.04914
0.129773	0.00497	0.325971	5.06E-13	0.045652	0.32491	0.128598	0.00538	0.023434
0.058463	0.20728	-0.16419	0.00037	0.009177	0.84321	-0.03335	0.4722	0.060969
-0.06976	0.13223	-0.06716	0.14733	-0.08188	0.07712	-0.16935	0.00024	-0.09593
-0.07041	0.12865	-0.00333	0.94274	-0.06717	0.14723	-0.09766	0.03487	-0.03734
-0.02684	0.56286	0.122954	0.00781	-0.06492	0.16133	0.012345	0.79019	-0.10367

-0.00317	0.94556	0.060279	0.19349	-0.01785	0.70039	-0.00016	0.9973	0.00061
0.069857	0.1317	0.042357	0.36109	0.061698	0.18319	0.035087	0.44939	-0.04849
0.121701	0.00847	-0.08279	0.07387	0.017425	0.70723	-0.01738	0.70789	0.023246
-0.02001	0.66624	0.15676	0.00067	0.000408	0.99299	0.003985	0.93156	0.050316
0.097361	0.03543	0.191947	2.97E-05	-0.01756	0.705	0.057599	0.21408	0.039184
-0.10359	0.02519	-0.23675	2.26E-07	0.03393	0.46449	0.00757	0.8704	0.015156
-0.12097	0.00888	-0.17867	0.0001	-0.08474	0.06731	-0.13423	0.00366	-0.16843
0.316299	2.61E-12	0.206248	7.01E-06	0.010663	0.81823	-0.16484	0.00035	0.030867
0.165874	0.00032	0.238172	1.91E-07	0.068654	0.1385	0.059491	0.19939	0.091365
-0.09827	0.03374	-0.12834	0.00548	-0.06022	0.19392	-0.09241	0.04593	-0.07563
-0.12158	0.00853	-0.23167	4.15E-07	-0.07769	0.09356	-0.16653	0.0003	-0.13011
0.029842	0.52002	-0.17928	9.80E-05	-0.01972	0.67076	-0.09933	0.03186	-0.12453
-0.04021	0.38592	-0.25482	2.34E-08	0.006119	0.89509	-0.05968	0.19794	-0.04944
0.065636	0.15674	-0.04032	0.38466	0.047913	0.3015	0.062402	0.17824	0.062235
-0.00587	0.89924	-0.06463	0.16323	0.020791	0.65406	0.042559	0.3588	8.42E-05
0.076697	0.09784	-0.07386	0.11095	0.024066	0.60394	-0.01675	0.71804	0.026047
0.226117	7.92E-07	0.127681	0.00572	0.03892	0.40139	-0.00045	0.99223	0.033294
0.114792	0.01306	0.088241	0.05671	0.05304	0.25265	0.060726	0.1902	0.082672
0.203522	9.30E-06	-0.00102	0.98248	0.006607	0.88677	-0.05151	0.26661	-0.02879
0.136127	0.0032	-0.08619	0.06275	0.037574	0.41789	-0.04629	0.31823	0.122137
0.203989	8.86E-06	0.396219	5.26E-19	0.041487	0.37105	0.062864	0.17503	0.22071
-0.05438	0.24088	-0.11665	0.01165	-0.00164	0.97183	0.016376	0.72411	0.006222
-0.25006	4.34E-08	-0.43898	2.03E-23	0.013213	0.77581	0.004834	0.91702	-0.03818
0.051334	0.26826	0.005394	0.90745	-0.04009	0.3874	-0.03513	0.44879	-0.0057
0.166111	0.00031	0.111454	0.01597	0.025459	0.58315	-0.04214	0.36359	0.065513
0.224841	9.16E-07	0.107164	0.02054	0.010525	0.82055	-0.03049	0.51102	0.095759
0.365187	3.52E-16	0.185212	5.66E-05	0.042691	0.35731	0.036456	0.43189	0.091912
0.047982	0.3008	0.058	0.21091	0.003208	0.94489	-0.09376	0.04285	0.076137
0.115881	0.01221	-0.07517	0.10474	0.047669	0.30397	0.039431	0.39523	0.033235
0.18691	4.82E-05	0.127709	0.00571	0.028218	0.54301	-0.0885	0.05599	0.08091
0.052825	0.25458	-0.07245	0.11795	0.052086	0.26129	0.013251	0.77518	-0.00557
0.025382	0.58429	-0.0963	0.03751	0.065698	0.15634	0.084165	0.06919	0.116539
0.125249	0.00673	-0.00916	0.84346	0.075405	0.10364	-0.01767	0.70327	0.0094
0.052952	0.25344	-0.03709	0.42388	0.050674	0.27447	0.017238	0.71023	0.049573
0.009756	0.83345	-0.15202	0.00098	-0.00727	0.87543	-0.0208	0.65398	-0.01489
0.121552	0.00855	0.14573	0.00159	0.023788	0.60812	-0.03044	0.51173	0.122681
0.162445	0.00042	0.177566	0.00011	0.055219	0.23366	-0.02155	0.64235	0.054991
0.176136	0.00013	0.0682	0.14114	0.032082	0.48917	-0.05861	0.20615	0.036769
0.051077	0.27066	-0.09496	0.04025	0.025201	0.58698	-0.0417	0.36862	-0.02107
0.019267	0.67793	-0.09162	0.04784	0.014795	0.74982	0.035041	0.44998	0.065428
0.103729	0.02498	-0.06685	0.14921	0.045269	0.329	-0.0197	0.67118	0.07448
-0.04603	0.32093	-0.11871	0.01024	0.056857	0.22005	-0.00336	0.94224	-0.03133
0.015636	0.7361	-0.3334	1.38E-13	-0.03237	0.48531	-0.10195	0.0276	-0.05975
0.119385	0.00982	0.074502	0.10785	0.017788	0.70142	0.05188	0.26319	0.057308
0.017364	0.70821	-0.02596	0.57583	-0.02024	0.66266	-0.03882	0.40265	-0.04687

-0.08065	0.08169	-0.03442	0.45807	0.007095	0.87847	-0.09077	0.04996	-0.07954
0.017102	0.71242	-0.13638	0.00315	0.059516	0.1992	0.034025	0.46323	0.121145
0.068597	0.13883	-0.04046	0.38298	0.044796	0.33407	0.026339	0.57019	0.046966
0.195283	2.14E-05	0.042946	0.35444	-0.00054	0.99072	-0.09208	0.04673	-0.03954
-0.01818	0.69522	-0.0904	0.05091	-0.02073	0.65494	-0.05788	0.21182	-0.10511
0.195162	2.17E-05	0.148517	0.00129	0.065601	0.15696	0.076129	0.10035	0.213259
0.024192	0.60203	-0.01407	0.76171	-0.00537	0.90782	-0.02882	0.5344	-0.01607
-0.1188	0.01019	-0.11008	0.01733	-0.06023	0.19383	-0.09502	0.04012	-0.08083
-0.09824	0.0338	0.00762	0.86955	0.161432	0.00046	0.289723	1.75E-10	0.423636
0.024576	0.59629	-0.19181	3.01E-05	0.010904	0.8142	-0.08022	0.08332	-0.00986
0.202367	1.05E-05	-0.06131	0.18598	0.058413	0.20767	-0.05562	0.23023	0.037039
-0.00709	0.87848	-0.11638	0.01184	0.014341	0.75724	-0.04	0.38844	-0.12141
-0.09696	0.03619	-0.22699	7.16E-07	-0.00715	0.8776	-0.08176	0.07755	-0.04527
-0.04622	0.31894	-0.11332	0.01428	0.014493	0.75475	-0.02131	0.64593	-0.03613
-0.11013	0.01728	-0.20578	7.35E-06	0.205344	7.70E-06	0.289004	1.95E-10	0.120288
-0.01392	0.76413	-0.22109	1.40E-06	-0.00619	0.89382	-0.04935	0.28723	-0.0088
-0.03979	0.391	0.02791	0.54742	0.092164	0.04653	0.078711	0.08931	0.03641
-0.05102	0.27121	-0.12692	0.00602	0.026102	0.57367	0.012558	0.78664	0.042967
-0.02085	0.6531	-0.09164	0.04779	0.060985	0.18831	-0.0584	0.20778	-0.00204
-0.05423	0.24218	-0.27227	2.21E-09	-0.00429	0.92626	-0.08558	0.06463	-0.00979
0.059645	0.19823	-0.09678	0.03655	0.06718	0.14719	0.044854	0.33345	0.171588
-0.06931	0.13476	0.01333	0.77388	0.033148	0.47485	0.119507	0.00974	0.098314
-0.04936	0.28716	-0.27034	2.90E-09	0.007239	0.87601	-0.03532	0.44644	-0.06965
0.105585	0.02249	0.026229	0.57181	0.036957	0.42558	0.06736	0.14611	0.146862
0.171844	0.00019	-0.07003	0.13077	0.002218	0.96188	-0.04702	0.31056	-0.01978
-0.01327	0.77479	-0.05761	0.21401	0.051116	0.2703	-0.03862	0.40509	-0.02256
-0.00032	0.99447	-0.15909	0.00056	0.0021	0.9639	-0.02788	0.54782	-0.03424
-0.04443	0.33806	-0.09958	0.03143	0.06815	0.14143	0.043599	0.34716	0.233669
-0.08642	0.06202	-0.21077	4.34E-06	0.014759	0.7504	-0.01525	0.74245	-0.00981
-0.00039	0.99321	-0.06128	0.18616	0.13445	0.0036	0.29737	5.46E-11	0.070253
0.016252	0.72611	-0.07748	0.09443	0.010638	0.81866	0.023808	0.60781	-0.02696
-0.04683	0.31259	-0.10901	0.01845	0.089066	0.05443	0.110252	0.01715	0.067375
0.272159	2.25E-09	-0.02056	0.65762	0.04313	0.35238	-0.02466	0.59503	-0.03347
0.041534	0.3705	0.03864	0.40479	0.108352	0.01917	0.152131	0.00097	0.386379
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0.193722	2.50E-05	-0.05472	0.23791	0.003557	0.93889	-0.01927	0.67791	0.059076
-0.00321	0.9448	-0.03723	0.42213	-0.01029	0.82456	-0.04085	0.37849	-0.01505
-0.05907	0.20256	-0.07786	0.09282	0.066304	0.15255	0.060178	0.19423	0.11738
0.100331	0.03017	0.052351	0.25888	0.008129	0.86092	-0.03552	0.44381	0.084413
-0.01337	0.77314	-0.05434	0.24121	0.020103	0.66479	-0.02582	0.57776	0.009475
-0.02404	0.6043	-0.0578	0.21249	-0.0037	0.93637	-0.0268	0.56349	0.001475
0.08072	0.08141	-0.05107	0.27068	-0.03668	0.42911	-0.06757	0.14487	-0.10742
0.042236	0.36246	-0.03601	0.43754	-0.02282	0.62276	-0.05742	0.21547	-0.04525
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-0.05392	0.24483	-0.23503	2.78E-07	0.039014	0.40026	0.00013	0.99776	0.070363
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0.118739	0.01022	-0.12018	0.00933	-0.00236	0.95936	-0.05277	0.25509	-0.03711
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-0.03459	0.4558	-0.24293	1.06E-07	0.042412	0.36046	-0.02927	0.52811	0.083703
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0.005372	0.90783	-0.07319	0.1142	0.104777	0.02355	0.013746	0.76703	0.133287
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0.120835	0.00895	-0.02169	0.64016	0.050434	0.27674	-0.01512	0.74453	0.036339
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-0.10846	0.01906	-0.10461	0.02378	0.009283	0.84142	-0.01581	0.73332	-0.08796
-0.06818	0.14122	-0.10784	0.01975	-0.00593	0.89833	0.002195	0.96226	-0.02345
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-0.02522	0.58664	-0.08435	0.06858	0.045149	0.33027	-0.00468	0.91966	0.056019
-0.06874	0.13801	-0.2833	4.55E-10	-0.00847	0.85512	-0.047	0.31085	0.008356
-0.09619	0.03772	0.002402	0.95871	0.19634	1.93E-05	0.167717	0.00027	0.083167
-0.00899	0.84643	0.007144	0.87763	0.095001	0.04016	0.093225	0.04405	0.137938
0.180857	8.48E-05	-0.12042	0.00919	0.003968	0.93185	-0.0652	0.15953	-0.01032
0.232756	3.65E-07	-0.01209	0.79443	0.035599	0.44279	-0.05014	0.27951	0.041596
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0.020111	0.66467	-0.05086	0.27271	0.03618	0.43539	-0.0162	0.72701	-0.00442
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0.015658	0.73574	-0.06354	0.17043	0.033307	0.47273	-0.04565	0.32497	-0.01127
0.239949	1.53E-07	0.002132	0.96335	0.058319	0.2084	-0.01064	0.8187	0.085686
0.000269	0.99538	-0.09915	0.03218	-0.00811	0.86131	-0.02595	0.57594	-0.03962
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-0.13117	0.00452	-0.27438	1.64E-09	0.071508	0.1228	0.153059	0.00091	0.05947
-0.10138	0.02848	-0.12104	0.00884	0.076318	0.09951	0.073476	0.1128	0.381675
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-0.1041	0.02446	-0.08493	0.06669	0.075687	0.10235	0.071458	0.12306	0.361004
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0.07298	0.11526	-0.08995	0.05207	0.0754	0.10366	-0.02351	0.6123	0.121979
-0.04527	0.32893	-0.11121	0.0162	0.021438	0.64401	-0.02613	0.57324	0.001695
-0.02421	0.60175	-0.06301	0.17407	0.047164	0.30913	0.018275	0.69366	0.061082
-0.00489	0.91599	-0.14678	0.00147	0.052524	0.2573	-0.02898	0.5321	-0.04908
-0.07005	0.13064	-0.06656	0.15095	0.070906	0.12599	0.034811	0.45296	0.071531
-0.05944	0.19975	-0.16053	0.0005	0.026202	0.57221	-0.0014	0.97598	0.022719

-0.02874	0.53555	-0.06674	0.14986	0.04616	0.31955	-0.00663	0.88643	-0.01753
0.021013	0.6506	-0.09554	0.03904	0.107356	0.02032	-0.02718	0.55799	0.014156
0.04411	0.34154	-0.1115	0.01593	0.041422	0.37179	0.020281	0.662	0.093251
-0.1077	0.01991	-0.17619	0.00013	0.00877	0.85008	0.044931	0.33262	0.041853
-0.03844	0.40724	-0.08111	0.07996	0.0323	0.48622	0.043086	0.35287	0.13804
-0.0399	0.38962	-0.08308	0.07288	0.029924	0.51888	0.041905	0.36623	0.147165
-0.16719	0.00028	-0.30104	3.08E-11	0.030967	0.5044	0.037291	0.42141	0.119586
-0.08795	0.05755	-0.12082	0.00896	-0.00857	0.85354	-0.02861	0.53744	-0.05239
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-0.03524	0.44738	-0.0242	0.60185	0.044998	0.3319	0.053902	0.24501	0.24282
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-0.0507	0.27426	0.089556	0.05311	0.045527	0.32624	0.054264	0.24185	0.129779
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-0.07419	0.10934	-0.23646	2.34E-07	0.027549	0.55261	-0.02245	0.62851	0.049608
0.008601	0.85294	-0.00471	0.91921	0.022663	0.6252	-0.01406	0.76183	0.184083
0.012977	0.77971	-0.05333	0.25004	-0.00957	0.83651	0.016561	0.72113	-0.02769
-0.0985	0.03333	-0.27914	8.32E-10	-0.00872	0.85094	-0.0489	0.2916	-0.08159
-0.05997	0.19576	-0.28025	7.10E-10	0.004377	0.92485	-0.01024	0.82536	0.07374
-0.01638	0.7241	-0.12145	0.00861	0.008445	0.85557	-0.00592	0.89849	-0.03405
-0.0217	0.63997	-0.07434	0.10864	0.144894	0.00169	0.071235	0.12424	0.047329
0.030534	0.51038	-0.02692	0.56167	-0.0413	0.37315	-0.08418	0.06913	0.019997
0.164936	0.00034	0.1617	0.00045	0.075334	0.10397	-0.03381	0.46603	-0.01341
0.179447	9.65E-05	0.177323	0.00012	-0.00172	0.97051	-0.07088	0.12615	0.145846
-0.12403	0.00729	-0.18674	4.90E-05	-0.04299	0.35389	-0.11552	0.01249	0.013173
0.130568	0.00471	0.124062	0.00727	0.0356	0.44278	0.066435	0.15174	0.171602
-0.00832	0.85773	-0.06429	0.16542	0.033533	0.46974	-0.00932	0.84086	-0.00707
0.082621	0.07447	-0.06803	0.14212	-0.0502	0.27899	-0.21383	3.12E-06	0.020574
0.056647	0.22176	-0.04117	0.37474	-0.00894	0.84728	-0.12189	0.00837	0.094837
0.094572	0.04107	-0.08383	0.0703	0.031636	0.49525	0.055865	0.22822	-0.04027
0.013535	0.7705	-0.1484	0.0013	-0.03171	0.4943	-0.07363	0.11206	-0.00037
-0.09653	0.03704	-0.05011	0.27985	-0.03416	0.46148	0.001765	0.96965	0.085799
-0.07247	0.11784	-0.26481	6.19E-09	-0.06086	0.18922	-0.03212	0.48869	-0.11022
-0.0473	0.3077	-0.15067	0.00109	0.008567	0.8535	0.065118	0.16004	-0.11607
0.075865	0.10154	0.107596	0.02003	0.009576	0.83649	-0.06526	0.15916	0.120577
-0.06635	0.15225	0.011977	0.79629	-0.02854	0.53846	-0.00197	0.96608	0.099909
-0.20955	4.95E-06	-0.35614	2.07E-15	-0.08094	0.08059	-0.04868	0.29377	-0.08052
-0.11309	0.01447	-0.08925	0.05393	-0.01841	0.6915	0.025151	0.58772	-0.01427
-0.03909	0.39939	-0.01125	0.80849	-0.01571	0.73496	-0.0306	0.50953	0.019274
0.036796	0.4276	0.04625	0.31861	-0.00077	0.98677	-0.02169	0.64012	0.109795
0.116278	0.01192	0.175348	0.00014	-0.04786	0.30206	-0.07808	0.09193	0.070468
0.038746	0.4035	0.16465	0.00035	0.010206	0.82589	-0.01365	0.76856	0.115544
0.071291	0.12394	0.094784	0.04062	0.001846	0.96826	-0.01833	0.6927	0.189514
0.008469	0.85516	0.097915	0.0344	0.013674	0.76821	0.010312	0.82412	0.061129
0.240523	1.43E-07	0.120019	0.00943	-0.01189	0.79768	-0.08973	0.05265	0.117858

-0.10195	0.0276	-0.15493	0.00078	-0.04551	0.32646	-0.04712	0.30954	0.004611
-0.02665	0.56558	-0.31594	2.77E-12	-0.02245	0.6285	-0.15237	0.00096	0.012625
-0.08928	0.05386	0.127946	0.00562	0.102808	0.02631	0.37369	6.35E-17	0.043356
0.096327	0.03744	-0.02073	0.65507	-0.05418	0.24256	-0.14641	0.00151	-0.03873
0.187896	4.39E-05	0.202886	9.93E-06	-0.06001	0.19547	-0.09037	0.05098	-0.03323
0.043901	0.34383	0.061745	0.18285	-0.05201	0.262	-0.08261	0.07449	0.021107
-0.13284	0.00403	-0.05853	0.20678	-0.08061	0.08182	-0.07605	0.1007	-0.04514
-0.11533	0.01263	-0.00803	0.86262	0.034524	0.45671	0.212672	3.54E-06	-0.03257
-0.16746	0.00028	-0.0475	0.30564	0.045739	0.32399	0.15296	0.00091	0.03023
0.125388	0.00667	0.201662	1.13E-05	-0.04092	0.37765	0.00529	0.90924	0.102672
0.051192	0.26958	-0.00584	0.89976	-0.04622	0.31896	-0.14406	0.0018	-0.01598
-0.18565	5.43E-05	-0.19968	1.38E-05	-0.05313	0.25184	-0.08954	0.05315	-0.07868
-0.19995	1.34E-05	0.031493	0.49719	0.037092	0.42389	0.068754	0.13792	0.091187
-0.32494	6.04E-13	-0.31639	2.57E-12	0.089964	0.05203	0.234882	2.83E-07	0.109454
0.164555	0.00036	0.11756	0.01101	-0.00923	0.84226	-0.05422	0.24227	0.107547
0.010264	0.82492	0.146926	0.00145	-0.00378	0.93503	0.009931	0.83052	0.120676
-0.21991	1.60E-06	-0.24694	6.44E-08	-0.04486	0.33342	-0.15169	0.00101	-0.0059
-0.03295	0.47745	0.26417	6.76E-09	0.140448	0.00235	0.274339	1.65E-09	0.300088
-0.18842	4.17E-05	-0.20395	8.90E-06	-0.0455	0.32654	-0.11282	0.01472	-0.087
-0.13954	0.00251	-0.19539	2.12E-05	-0.00689	0.88199	-0.13164	0.00438	0.031586
-0.14611	0.00155	-0.38202	1.13E-17	-0.04267	0.35759	-0.1726	0.00018	-0.01997
0.016162	0.72758	0.070896	0.12604	0.045121	0.33058	0.102657	0.02653	0.333931
-0.00979	0.83292	0.060549	0.1915	-0.04182	0.36719	-0.0479	0.30161	0.088914
0.015877	0.7322	0.081498	0.07851	-0.02615	0.57298	-0.06912	0.13583	0.033768
0.018393	0.69178	0.00951	0.83759	-0.03983	0.39047	-0.04193	0.366	0.045631
0.056188	0.22553	0.035679	0.44176	-0.04207	0.36433	-0.12989	0.00493	0.009305
0.065471	0.15779	0.155412	0.00075	0.014804	0.74966	-0.00537	0.90788	0.126705
0.08289	0.07353	0.228904	5.73E-07	-0.01159	0.80266	-0.01511	0.74472	0.090878
0.021567	0.64202	0.016837	0.71668	-0.04972	0.28364	-0.09	0.05195	-0.01586
0.000211	0.99638	0.014573	0.75344	-0.05562	0.23027	-0.12273	0.00793	5.98E-05
0.128686	0.00535	0.152811	0.00092	-0.01462	0.75272	-0.08118	0.07968	0.103635
0.000421	0.99276	-0.14605	0.00155	-0.02914	0.52993	-0.06083	0.18947	0.010584
0.013141	0.77699	0.156583	0.00068	-0.01461	0.75287	-0.03934	0.39635	0.042719
-0.06673	0.14995	-0.1222	0.0082	-0.03873	0.40371	-0.1048	0.02351	-0.05154
-0.01076	0.81666	0.002359	0.95946	-0.02069	0.65565	-0.05505	0.23511	0.010682
-0.04646	0.31637	-0.17992	9.24E-05	-0.0655	0.15763	-0.12089	0.00892	-0.08529
0.059276	0.20102	-0.12455	0.00704	-0.07145	0.12312	-0.15553	0.00074	-0.06219
0.00298	0.94878	0.073107	0.11463	0.008274	0.85847	0.033887	0.46506	-0.031
0.007642	0.86917	-0.03281	0.47942	-0.02708	0.55937	-0.06281	0.17543	0.056433
-0.04848	0.2958	-0.06794	0.14266	-0.06169	0.18321	-0.05748	0.215	-0.05858
-0.0505	0.27613	-0.12948	0.00507	-0.08091	0.08071	-0.12899	0.00524	-0.08924
-0.01461	0.75288	-0.03681	0.42748	-0.05047	0.27639	-0.06852	0.1393	0.002611
-0.0793	0.08693	0.042246	0.36234	-0.04156	0.37021	-0.04291	0.35483	0.016701
0.024891	0.59158	0.02253	0.62723	-0.04541	0.32745	-0.08597	0.06341	-0.02206
-0.07219	0.11925	0.103588	0.02518	0.003385	0.94185	-0.00631	0.8919	0.027789

0.03367	0.46792	0.179652	9.47E-05	-0.02515	0.58774	-0.06724	0.1468	0.019786
0.094586	0.04104	0.223517	1.07E-06	-0.00253	0.95644	-0.00482	0.91719	0.132364
-0.07175	0.12155	-0.15396	0.00084	-0.08263	0.07443	-0.16215	0.00043	-0.11097
0.048187	0.29874	-0.01886	0.68437	-0.05179	0.26406	-0.07989	0.0846	0.041234
-0.01299	0.77957	0.007423	0.8729	-0.04209	0.36407	-0.12334	0.00762	0.005925
0.121959	0.00833	0.15668	0.00068	-0.03012	0.51609	-0.10866	0.01884	0.023531
-0.07697	0.09665	-0.04383	0.34459	-0.03144	0.49787	-0.05133	0.26825	-0.02209
-0.07043	0.12856	-0.23637	2.37E-07	-0.07523	0.10446	-0.16655	0.0003	-0.11173
-0.02366	0.61011	0.177026	0.00012	-0.03099	0.50407	-0.03602	0.43747	0.018322
-0.03645	0.4319	-0.12273	0.00793	-0.04021	0.38598	-0.11164	0.01579	-0.00544
-0.09302	0.04453	-0.19373	2.49E-05	-0.07573	0.10218	-0.13655	0.00311	-0.12528
0.022095	0.63389	0.125915	0.00644	-0.08443	0.06832	-0.07672	0.09775	-0.04189
-0.06053	0.19162	-0.07026	0.12948	-0.05021	0.27888	-0.1266	0.00615	0.012086
-0.10039	0.03008	-0.12701	0.00599	-0.04508	0.33099	-0.04502	0.3317	0.01771
-0.10336	0.02551	-0.16057	0.0005	-0.05368	0.24693	-0.10132	0.02857	-0.06698
-0.03647	0.43174	-0.18215	7.53E-05	-0.07155	0.1226	-0.09176	0.0475	-0.05516
0.073343	0.11346	0.064316	0.16526	-0.03126	0.50042	-0.058	0.2109	0.055256
-0.10839	0.01914	-0.20616	7.07E-06	-0.08312	0.07273	-0.07695	0.09674	-0.11224
0.013796	0.76621	-0.07659	0.09829	-0.04013	0.38693	-0.12179	0.00842	0.061503
0.039114	0.39905	-0.0583	0.20854	-0.0432	0.35163	-0.08149	0.07855	0.018966
-0.04738	0.30694	-0.15548	0.00075	-0.04988	0.2821	-0.07649	0.09876	-0.00799
0.10598	0.02199	0.245843	7.40E-08	0.025165	0.58751	0.033476	0.47049	0.180167
0.092987	0.0446	0.016163	0.72755	-0.04237	0.3609	-0.13633	0.00316	0.011444
0.052332	0.25905	0.199061	1.47E-05	0.017043	0.71337	0.04253	0.35913	0.141954
-0.02557	0.58144	0.153093	0.0009	0.006589	0.88708	0.004279	0.92652	0.109394
-0.07217	0.11937	0.056924	0.21951	-0.03699	0.42516	-0.06926	0.13505	-0.05078
-0.10961	0.01782	-0.17559	0.00014	-0.06188	0.18192	-0.10696	0.02078	-0.11868
-0.01057	0.81987	0.108474	0.01904	-0.04783	0.30236	-0.10812	0.01943	0.011831
-0.13906	0.0026	-0.1554	0.00075	-0.06932	0.13472	-0.09845	0.03342	-0.07583
0.014808	0.7496	0.057862	0.21199	-0.04152	0.37065	-0.09003	0.05185	0.04233
0.037018	0.42481	0.124834	0.00691	-0.00857	0.85347	-0.04299	0.35393	0.067195
-0.07819	0.09147	-0.18393	6.38E-05	-0.05395	0.24459	-0.08679	0.06093	-0.04607
0.006231	0.89317	-0.01926	0.67809	-0.04643	0.31669	-0.0575	0.21484	0.049227
-0.06045	0.19221	0.000987	0.98303	-0.03501	0.45044	-0.08106	0.08012	0.026158
-0.11393	0.01376	-0.11551	0.0125	-0.05421	0.24229	-0.08176	0.07756	-0.08072
-0.02059	0.65715	0.221044	1.41E-06	0.024798	0.59297	0.05311	0.25202	0.153156
-0.05412	0.24306	-0.20825	5.67E-06	-0.06796	0.14252	-0.12291	0.00784	-0.08281
0.019312	0.67723	-0.09132	0.04858	-0.04229	0.36183	-0.07599	0.10096	0.030219
-0.02432	0.60005	-0.09629	0.03752	-0.06289	0.17487	-0.09381	0.04274	0.003491
0.064747	0.16244	-0.0746	0.10737	-0.0757	0.1023	-0.12022	0.00931	-0.02754
-0.01624	0.72632	0.033788	0.46635	-0.04888	0.29187	0.008544	0.85391	-0.00101
-0.10816	0.01939	-0.13276	0.00405	-0.0592	0.20159	-0.0951	0.03995	-0.04746
-0.04166	0.36899	-0.19827	1.59E-05	-0.0748	0.10643	-0.14727	0.00142	-0.12275
0.055471	0.23153	0.275516	1.40E-09	-0.00074	0.98734	-0.0076	0.86982	0.066332
-0.11563	0.0124	-0.11802	0.01069	-0.04956	0.28512	-0.07427	0.10894	-0.02601

-0.03697	0.42545	0.007513	0.87136	-0.02921	0.52889	-0.0713	0.1239	0.066507
0.019521	0.67393	-0.08852	0.05592	-0.05929	0.20088	-0.11375	0.01391	0.004228
0.055692	0.22966	0.149386	0.0012	-0.00855	0.85379	-0.00718	0.87697	0.155721
-0.07672	0.09776	0.020952	0.65156	-0.02444	0.59837	-0.03762	0.41737	0.012288
0.069102	0.13594	0.099783	0.03109	-0.02089	0.6525	-0.06257	0.17708	0.115402
-0.03021	0.51483	-0.09568	0.03874	-0.06314	0.17317	-0.08496	0.0666	-0.00954
0.049014	0.29051	0.036551	0.43068	-0.05449	0.23988	-0.14944	0.0012	-0.00993
0.013453	0.77184	0.090161	0.05152	-0.03524	0.44739	-0.04409	0.34181	0.02287
0.016255	0.72607	0.077923	0.09257	-0.02769	0.55056	-0.08534	0.0654	-0.0441
0.078247	0.09122	0.191675	3.05E-05	-0.03805	0.41199	-0.06943	0.1341	0.071144
0.101972	0.02756	0.103912	0.02473	-0.01316	0.77671	-0.03455	0.45636	-0.03467
-0.07515	0.10481	0.220302	1.53E-06	0.008289	0.85821	0.122335	0.00813	-0.13542
0.191012	3.25E-05	0.087712	0.05822	0.054376	0.24088	-0.0142	0.7596	0.188533
0.143746	0.00184	0.113953	0.01374	-0.05655	0.22257	-0.14518	0.00166	0.111679
0.062434	0.17801	0.09559	0.03893	-0.06924	0.13518	-0.11568	0.01237	-0.05882
-0.11667	0.01163	0.12991	0.00493	0.03627	0.43424	0.163372	0.00039	0.031195
-0.00415	0.92877	-0.02274	0.62395	-0.0679	0.14289	-0.08677	0.06098	-0.04667
0.20989	4.77E-06	0.249991	4.37E-08	0.006438	0.88965	-0.00024	0.99594	0.101949
-0.15585	0.00073	-0.05213	0.26091	-0.03704	0.4245	-0.07928	0.08701	-0.07515
0.030861	0.50587	0.054085	0.24341	-0.05484	0.23691	-0.10791	0.01967	-0.01353
-0.03502	0.45025	-0.20378	9.06E-06	-0.02896	0.53243	-0.11327	0.01432	-0.15319
0.199637	1.38E-05	0.184449	6.08E-05	-0.02745	0.55408	-0.0678	0.14351	0.038039
0.002219	0.96185	-0.05272	0.25553	-0.07304	0.11497	-0.08277	0.07395	0.000957
-0.12534	0.00669	-0.11243	0.01507	-0.0329	0.47814	-0.02632	0.57044	-0.02134
0.036959	0.42555	-0.1674	0.00028	-0.04842	0.29637	-0.16311	0.0004	0.03348
-0.07519	0.10465	-0.17853	0.0001	-0.06298	0.17424	-0.07388	0.11083	-0.21946
-0.05659	0.22224	0.08691	0.06057	-0.02315	0.61777	-0.01753	0.70547	-0.05175
-0.21569	2.55E-06	-0.15531	0.00076	-0.0176	0.70449	-0.03691	0.42619	-0.15985
-0.2845	3.81E-10	-0.26293	7.99E-09	-0.04221	0.36276	-0.07782	0.09301	-0.15815
0.483266	1.06E-28	0.079262	0.08709	-0.02603	0.57476	-0.02559	0.58121	-0.03524
-0.10092	0.02921	0.044272	0.33977	-0.04811	0.29953	-0.01954	0.67368	-0.13289
-0.30534	1.56E-11	-0.17073	0.00021	-0.00372	0.93607	0.053642	0.2473	-0.05579
-0.26224	8.78E-09	-0.11649	0.01176	-0.05508	0.23482	-0.03092	0.50511	-0.06932
0.278756	8.80E-10	0.265318	5.78E-09	0.049705	0.28376	0.060644	0.1908	0.159966
-0.14325	0.00191	0.010153	0.82678	0.000898	0.98456	0.05548	0.23145	-0.13978
-0.09642	0.03726	0.038634	0.40486	-0.0554	0.23212	-0.0072	0.87664	-0.07204
-0.04963	0.28446	0.057552	0.21446	0.005935	0.89821	-0.02903	0.53149	0.022804
-0.21416	3.01E-06	-0.05235	0.25891	-0.05487	0.23659	-0.05995	0.19594	-0.16568
-0.14591	0.00157	-0.16407	0.00037	-0.04159	0.36985	-0.03203	0.48991	-0.10255
-0.14066	0.00231	0.037884	0.41405	-0.01504	0.74574	-0.00345	0.94069	-0.09863
-0.18986	3.64E-05	-0.08778	0.05803	-0.04549	0.32668	-0.02259	0.62632	-0.17422
-0.26658	4.87E-09	-0.15316	0.0009	-0.00496	0.91478	0.01869	0.68706	-0.13811
-0.07135	0.12365	0.018637	0.68791	-0.02592	0.57633	-0.05283	0.25452	-0.06337
-0.19831	1.58E-05	-0.20808	5.78E-06	-0.03597	0.43806	0.012139	0.79361	-0.10684
-0.15846	0.00059	0.081072	0.08009	0.023139	0.61795	0.15979	0.00053	-0.12456

-0.15554	0.00074	0.041633	0.36936	0.000513	0.99119	0.061613	0.18379	-0.05059
0.092192	0.04646	0.141779	0.00213	-0.04932	0.28748	-0.09823	0.03382	0.063555
-0.05134	0.26823	-0.14349	0.00188	-0.01957	0.67314	-0.05534	0.23262	0.02316
-0.11514	0.01278	0.060812	0.18957	-0.04029	0.385	-0.01062	0.8189	-0.09384
-0.00345	0.94066	-0.03875	0.40351	-0.00976	0.83342	-0.02547	0.58298	0.02401
-0.21292	3.45E-06	-0.06114	0.18721	-0.01396	0.76349	0.053324	0.25012	-0.00133
0.159119	0.00056	0.106605	0.02121	-0.023	0.62012	-0.05636	0.22415	-0.0424
-0.01226	0.79153	0.014121	0.76086	-0.03979	0.39089	-0.0434	0.34939	-0.1702
0.021186	0.64792	0.2133	3.31E-06	0.029159	0.52963	-0.01097	0.81302	-0.01342
-0.14037	0.00236	-0.13435	0.00363	-0.0376	0.41755	-0.04014	0.38674	-0.18587
-0.12009	0.00939	0.068305	0.14052	-0.02338	0.61435	-0.0099	0.831	-0.08009
-0.17278	0.00018	-0.1709	0.00021	-0.04826	0.29802	-0.04454	0.33684	-0.12921
-0.26729	4.42E-09	-0.32723	4.07E-13	-0.01582	0.73314	-0.09629	0.03752	-0.13247
-0.26612	5.18E-09	-0.05577	0.22902	-0.04763	0.30435	-0.01653	0.72158	-0.11063
-0.11898	0.01007	-0.03572	0.44118	0.007705	0.86811	0.087074	0.06008	-0.0062
0.167472	0.00028	0.086425	0.06202	0.027445	0.5541	0.057281	0.21663	0.036211
-0.08723	0.05962	-0.00561	0.90371	-0.02407	0.60387	0.056514	0.22285	-0.08243
-0.10252	0.02674	-0.14745	0.0014	-0.06277	0.17567	-0.06611	0.15377	-0.12934
-0.11499	0.0129	-0.05568	0.22977	-0.04979	0.28291	-0.00575	0.90134	0.027501
-0.22039	1.52E-06	-0.22322	1.10E-06	-0.0752	0.10457	-0.11322	0.01437	-0.16338
-0.14897	0.00124	0.035576	0.44309	-0.04999	0.28103	-0.03574	0.44097	-0.14862
-0.08905	0.05448	-0.04149	0.37104	-0.00693	0.88131	0.009861	0.83169	0.037682
-0.05139	0.26775	0.076578	0.09836	-0.01822	0.69454	0.085611	0.06453	-0.00555
0.081125	0.07989	0.204037	8.82E-06	0.032249	0.48691	0.076037	0.10077	0.023569
-0.107	0.02074	-0.06506	0.16039	0.019869	0.66846	0.025286	0.58572	0.004516
-0.07547	0.10334	0.046585	0.31511	-0.0516	0.26581	-0.10803	0.01953	-0.2415
-0.03259	0.48229	-0.31874	1.73E-12	0.010864	0.81486	-0.13227	0.00419	-0.03672
-0.21077	4.34E-06	-0.1155	0.0125	-0.07392	0.11065	-0.11252	0.01498	-0.21484
-0.06874	0.138	0.136333	0.00316	-0.03007	0.5168	0.011644	0.80184	-0.08103
0.019741	0.67046	0.004497	0.92278	-0.00975	0.8336	0.016499	0.72213	-0.08615
-0.07635	0.09938	-0.10556	0.02252	-0.05562	0.23028	-0.02501	0.58975	-0.10091
-0.15693	0.00067	-0.11466	0.01316	-0.06615	0.15349	-0.05544	0.2318	-0.17446
0.233048	3.52E-07	0.06737	0.14605	-0.05749	0.21496	-0.0742	0.10929	-0.14199
-0.13701	0.00301	-0.07746	0.09451	-0.04325	0.35106	-0.03564	0.44227	-0.01511
-0.11588	0.01221	-0.21656	2.32E-06	-0.02119	0.64793	-0.02332	0.61513	-0.13227
-0.00481	0.91748	0.036695	0.42887	-0.00783	0.86601	0.039418	0.3954	-0.09752
-0.21768	2.05E-06	-0.12839	0.00546	-0.01209	0.79447	0.069074	0.1361	-0.11483
0.177025	0.00012	-0.28487	3.61E-10	-0.06526	0.15916	-0.14042	0.00235	-0.2031
0.235806	2.54E-07	0.193321	2.60E-05	0.02195	0.63613	0.088171	0.05691	-0.0025
-0.09731	0.03554	-0.10938	0.01806	-0.03052	0.51053	-0.09483	0.04052	-0.00027
-0.164	0.00037	-0.14407	0.0018	-0.00232	0.96015	0.090266	0.05125	-0.00902
-0.26646	4.95E-09	-0.08197	0.07678	-0.03475	0.45378	-0.03519	0.44802	-0.14307
-0.08707	0.0601	0.049252	0.28817	-0.01237	0.78981	-0.02181	0.63822	-0.06434
-0.08989	0.05224	-0.18124	8.19E-05	-0.00582	0.90024	-0.00712	0.87806	-0.1055
-0.06074	0.19013	0.147775	0.00136	0.022456	0.62836	-0.00639	0.89041	0.021642

-0.15364	0.00086	-0.03787	0.41421	-0.01914	0.67999	0.020048	0.66565	-0.09678
0.181047	8.34E-05	-0.16444	0.00036	-0.05678	0.22067	-0.1194	0.00981	-0.21195
-0.23458	2.94E-07	0.045799	0.32335	0.025169	0.58745	0.127451	0.00581	-0.00968
-0.116	0.01212	-0.22718	7.00E-07	-0.05986	0.19663	-0.13578	0.00328	-0.10769
-0.30384	1.98E-11	-0.26219	8.84E-09	-0.04617	0.31942	-0.00015	0.99744	-0.13186
0.047017	0.31063	0.234227	3.06E-07	0.006187	0.89391	0.091396	0.04839	-0.00487
-0.32383	7.31E-13	-0.30709	1.18E-11	-0.04713	0.30944	-0.00569	0.90241	-0.08136
-0.08059	0.0819	-0.13226	0.0042	-0.01091	0.8141	-0.06677	0.1497	0.028345
0.018335	0.69269	-0.06107	0.18773	-0.00042	0.99282	0.033819	0.46594	-0.04363
0.074749	0.10669	-0.20237	1.05E-05	-0.04438	0.33861	-0.15357	0.00087	0.001247
-0.1574	0.00064	0.131354	0.00446	-0.00811	0.86128	0.090682	0.05018	-0.03494
-0.14183	0.00212	0.038779	0.40311	-0.00151	0.97409	0.10073	0.02952	-0.05511
-0.27782	1.01E-09	-0.09832	0.03365	0.011569	0.80309	0.09404	0.04223	-0.04522
-0.00468	0.91959	0.097518	0.03514	-0.04351	0.34819	-0.03458	0.45591	-0.05251
-0.03625	0.43453	-0.0255	0.58261	0.069732	0.1324	0.075206	0.10456	0.006779
-0.11293	0.01462	-0.05728	0.21663	0.011757	0.79996	0.016816	0.71702	-0.01133
-0.05056	0.27551	-0.29916	4.13E-11	0.015028	0.746	0.026663	0.56546	0.003906
-0.0292	0.52902	-0.17935	9.74E-05	-0.02721	0.55754	-0.02651	0.56771	0.050845
-0.22936	5.44E-07	-0.35027	6.32E-15	-0.0936	0.0432	-0.08348	0.07149	-0.09539
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-0.16198	0.00044	-0.00403	0.93073	-0.03692	0.426	-0.01189	0.79782	-0.05137
-0.06983	0.13184	0.009611	0.83589	-0.04758	0.30483	0.003882	0.93332	-0.11529
-0.07914	0.08757	0.192914	2.70E-05	-0.00202	0.96522	0.0403	0.3849	-0.02659
-0.00138	0.97636	0.109819	0.01759	-0.03202	0.48999	-0.0319	0.49165	-0.08633
-0.12343	0.00757	0.171395	0.0002	0.006077	0.8958	0.054045	0.24376	-0.05872
-0.08131	0.07921	-0.0739	0.11074	-0.01307	0.77813	-0.04702	0.31063	-0.08919
-0.0788	0.08896	0.124044	0.00728	0.054806	0.23717	0.116305	0.0119	0.076168
-0.0557	0.22959	0.067311	0.1464	0.142905	0.00196	0.18105	8.33E-05	0.540422
-0.14558	0.00161	0.088813	0.05512	-0.02144	0.64392	0.003566	0.93874	-0.02333
-0.07994	0.08441	0.073343	0.11346	-0.00367	0.93689	0.027778	0.54931	0.025633
-0.17165	0.00019	0.006651	0.88602	-0.01999	0.66655	0.001541	0.97351	-0.01634
-0.17676	0.00012	0.016719	0.71859	0.01708	0.71277	0.077598	0.09395	0.017918
-0.08827	0.05664	-0.02088	0.65274	-0.02559	0.58121	-0.04003	0.38814	-0.18403
0.029918	0.51897	0.137342	0.00294	0.018343	0.69257	0.060573	0.19132	-0.01574
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-0.15594	0.00072	0.011511	0.80407	0.011096	0.81099	-0.03374	0.46705	0.065197
-0.17594	0.00013	-0.02538	0.58427	-0.03672	0.42854	0.001974	0.96606	-0.00336
0.115061	0.01284	0.211942	3.83E-06	-0.01081	0.81577	0.020538	0.65799	-0.01297
-0.01564	0.73596	0.025144	0.58782	-0.04551	0.32641	-0.03179	0.49314	-0.0011
0.055046	0.23512	0.208948	5.27E-06	-0.0319	0.49162	0.006555	0.88765	-0.06483
0.004266	0.92675	-0.10537	0.02276	-0.08064	0.08172	-0.05491	0.23632	-0.0184
-0.27566	1.37E-09	-0.03821	0.41003	-0.00586	0.89945	0.097649	0.03489	-0.08554
-0.1096	0.01782	-0.02169	0.64006	-0.06486	0.16168	-0.108	0.01957	-0.19892
-0.17385	0.00016	-0.1249	0.00688	-0.00358	0.93843	-0.06534	0.15863	-0.08176
-0.15264	0.00094	0.040615	0.38119	-0.05035	0.27751	0.018575	0.68888	-0.1677

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-0.21693	2.23E-06	-0.13924	0.00256	-0.01955	0.67355	-0.04479	0.33418	-0.09712
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0.148963	0.00124	0.134537	0.00358	-0.04071	0.38006	-0.06661	0.15063	-0.0815
-0.04718	0.30892	0.216294	2.39E-06	-0.01896	0.68273	0.002115	0.96364	-0.05993
-0.23652	2.33E-07	0.068097	0.14174	-0.02249	0.62791	0.045278	0.32889	-0.04105
-0.09751	0.03516	0.069047	0.13625	-0.04416	0.34103	-0.00898	0.84654	-0.01944
0.060665	0.19064	-0.14193	0.00211	-0.04399	0.34284	-0.15157	0.00102	-0.11807
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0.054042	0.24378	0.120843	0.00895	-0.03411	0.4621	-0.04087	0.37824	-0.0391
-0.06673	0.14993	0.01712	0.71213	-0.00653	0.88804	-0.02859	0.53774	-0.02143
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0.122986	0.0078	0.256919	1.78E-08	0.030949	0.50466	0.06241	0.17817	0.055748
-0.10985	0.01757	0.067811	0.14342	-0.01205	0.79513	0.077491	0.0944	0.000979
-0.02565	0.58032	0.316302	2.61E-12	0.002379	0.95911	0.161428	0.00046	0.066367
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0.353502	3.42E-15	0.105698	0.02235	-0.03725	0.42188	-0.09292	0.04475	-0.10366
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0.23856	1.82E-07	0.293756	9.51E-11	0.008989	0.84639	0.072485	0.11775	0.130723
-0.24942	4.71E-08	0.023355	0.61466	-0.01208	0.79452	-0.0075	0.87158	-0.02701
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-0.11697	0.01141	0.089897	0.05221	-0.03492	0.45156	0.034853	0.45242	-0.04082
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0.070189	0.12987	0.100696	0.02957	0.017575	0.70482	0.10233	0.02702	0.08017
0.050389	0.27717	0.139012	0.00261	-0.05346	0.24887	-0.04772	0.30346	-0.14802
0.152413	0.00095	-0.1112	0.01621	-0.0526	0.25665	-0.11021	0.0172	-0.02832
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0.016405	0.72365	0.311793	5.49E-12	-0.0023	0.96043	0.051598	0.26579	0.044686
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-0.16166	0.00045	-0.10831	0.01922	-0.01724	0.71016	0.036309	0.43374	0.010432
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0.248616	5.21E-08	-0.10478	0.02354	-0.00356	0.93886	-0.08704	0.06018	0.106718
0.014381	0.75659	0.218815	1.81E-06	-0.02565	0.58034	-0.0017	0.9708	0.024204
0.165068	0.00034	0.1401	0.00241	-0.02183	0.63798	-0.07086	0.12623	-0.07034
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0.009787	0.83293	0.106399	0.02147	-0.0118	0.79924	0.051688	0.26496	-0.00386
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0.147022	0.00144	0.102934	0.02612	-0.01674	0.71824	-0.03149	0.49726	-0.02591
-0.15941	0.00054	0.026355	0.56995	-0.01864	0.68793	0.050225	0.27874	-0.06261
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-0.0714	0.12336	0.093819	0.04271	0.010123	0.82729	0.103656	0.02509	-0.0272
-0.14966	0.00118	0.060887	0.18902	0.025881	0.57692	0.052584	0.25676	-0.02174
-0.12735	0.00585	-0.07169	0.12187	-0.04752	0.30548	-0.07876	0.08909	-0.10574
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-0.22417	9.89E-07	-0.20171	1.12E-05	-0.0236	0.61098	0.009296	0.84121	-0.13942
-0.12327	0.00766	0.038346	0.40838	-0.00498	0.91455	0.056977	0.21908	-0.02657
0.051639	0.26541	0.076305	0.09957	-0.00716	0.87744	-0.05039	0.27717	-0.02318
0.117144	0.01129	0.38509	5.88E-18	0.011818	0.79894	0.079681	0.08543	0.004968
-0.09263	0.04543	-0.09343	0.04358	-0.04785	0.30217	-0.08217	0.07606	-0.06756
0.049617	0.28461	0.327403	3.95E-13	0.003944	0.93225	0.042215	0.3627	0.021842
-0.08896	0.05472	0.098286	0.03372	-0.04671	0.31383	0.008647	0.85216	-0.12226
-0.22307	1.12E-06	-0.07134	0.1237	0.001442	0.97522	0.015405	0.73987	-0.11189
0.287906	2.30E-10	0.171417	0.0002	-0.03247	0.48391	-0.06993	0.13128	-0.09766
-0.26983	3.11E-09	-0.09542	0.03928	-0.04827	0.2979	-0.0258	0.57813	-0.07718
-0.0603	0.19331	-0.0523	0.25937	-0.04376	0.34536	-0.06154	0.18429	-0.09944
-0.00421	0.92763	0.090685	0.05017	-0.04481	0.3339	0.036229	0.43476	0.014277
-0.11849	0.01038	0.211267	4.12E-06	0.001784	0.96932	0.010871	0.81476	-0.02464
-0.02679	0.5636	0.124785	0.00693	-0.0363	0.43381	-0.02444	0.59829	-0.08851
0.068982	0.13662	0.101246	0.02869	-0.00024	0.99595	0.018407	0.69156	-0.08818
-0.10305	0.02596	0.001668	0.97132	-0.00998	0.82968	-0.04412	0.34144	-0.05026
0.058639	0.20591	0.250615	4.04E-08	0.009334	0.84056	0.060022	0.1954	-0.04924
-0.1157	0.01235	0.086772	0.06098	-0.01292	0.78072	0.056065	0.22655	-0.10098
-0.22285	1.15E-06	0.098389	0.03353	0.075148	0.10482	0.230602	4.70E-07	0.110249
0.149207	0.00122	0.172135	0.00019	-0.02158	0.64178	0.000772	0.98672	0.070602
-0.1129	0.01465	0.196576	1.88E-05	-0.04154	0.37044	-0.00119	0.97947	-0.04698
0.026739	0.56435	0.08786	0.0578	-0.04303	0.35347	-0.02408	0.6037	0.053787
-0.09927	0.03197	-0.00537	0.90795	-0.03934	0.39632	-0.05973	0.19757	-0.0103
-0.30184	2.71E-11	-0.08659	0.06153	0.003852	0.93384	-0.02558	0.58132	-0.03703

-0.15176	0.001	0.215387	2.64E-06	0.010776	0.81634	0.099674	0.03127	0.1599
-0.046	0.32119	-0.1852	5.66E-05	-0.06426	0.16563	-0.01298	0.77958	-0.03176
-0.14966	0.00118	-0.00492	0.91548	-0.00955	0.83697	0.027136	0.55858	-0.06612
-0.04309	0.35278	0.199748	1.37E-05	0.005366	0.90792	0.071781	0.12137	0.084995
-0.10148	0.02832	-0.02001	0.66623	-0.0386	0.40533	-0.06128	0.18619	-0.10273
-0.20941	5.02E-06	-0.02632	0.57048	-0.01238	0.78955	0.029868	0.51966	-0.04784
-0.0159	0.73178	0.202263	1.06E-05	-0.02414	0.60285	-0.02601	0.57509	-0.02437
-0.18573	5.39E-05	-0.06462	0.16328	0.007607	0.86977	-0.00793	0.8643	0.017637
-0.15738	0.00064	0.003541	0.93917	-0.05538	0.23229	-0.02441	0.59875	-0.09446
-0.14458	0.00173	0.068842	0.13742	-0.02606	0.57426	-0.05213	0.26092	0.001393
-0.0813	0.07922	0.010461	0.82162	-0.01176	0.79989	0.021663	0.64054	-0.07018
-0.18618	5.17E-05	-0.09398	0.04236	-0.03742	0.41978	0.002522	0.95665	-0.04355
-0.01503	0.74603	0.214173	3.01E-06	-0.01777	0.70165	-0.02553	0.58206	-0.06355
-0.06087	0.18913	0.089899	0.0522	-0.02629	0.57087	0.001989	0.9658	-0.0754
-0.06078	0.18978	-0.05078	0.2735	-0.02828	0.54207	-0.04691	0.31175	-0.11127
-0.1241	0.00725	0.118059	0.01067	0.003671	0.93694	0.030297	0.51369	0.008798
-0.08751	0.05882	0.07064	0.12742	0.00802	0.86276	0.05388	0.2452	-0.02037
-0.00256	0.95598	0.079444	0.08636	-0.05737	0.21593	-0.04021	0.38591	0.017915
0.205947	7.23E-06	0.167955	0.00027	-0.07034	0.12904	-0.1347	0.00354	-0.01302
-0.28508	3.50E-10	-0.12095	0.00889	-0.03473	0.45403	0.041243	0.37387	-0.04315
0.013295	0.77446	-0.0413	0.37322	-0.04886	0.29206	-0.04473	0.3348	-0.06057
0.041882	0.3665	-0.00646	0.88932	-0.10386	0.0248	-0.13772	0.00286	-0.14492
0.304096	1.90E-11	0.17778	0.00011	-0.0423	0.36176	-0.02188	0.63717	-0.08692
0.071066	0.12513	-0.02277	0.62359	-0.042	0.36514	-0.10283	0.02628	-0.04803
0.103001	0.02603	0.09542	0.03928	0.008254	0.85881	0.009205	0.84274	0.00974
-0.09476	0.04067	-0.1918	3.01E-05	-0.03773	0.41598	-0.02363	0.61055	-0.12541
0.089126	0.05427	0.323092	8.30E-13	0.042447	0.36006	0.085643	0.06443	0.112125
-0.02659	0.56651	-0.11919	0.00994	-0.04583	0.32298	-0.02673	0.5645	-0.05234
0.237319	2.11E-07	-0.0346	0.45576	-0.09211	0.04665	-0.14293	0.00196	-0.15862
0.13109	0.00455	-0.12389	0.00735	-0.06	0.19558	-0.07223	0.11903	-0.10532
0.077755	0.09328	0.109431	0.018	-0.03978	0.39103	-0.03856	0.40579	-0.11303
-0.11835	0.01048	-0.19493	2.22E-05	-0.07619	0.10009	-0.12529	0.00671	-0.11698
-0.06605	0.15415	0.164425	0.00036	0.089228	0.05399	0.154437	0.00081	0.093765
0.015344	0.74086	-0.13781	0.00284	-0.08612	0.06296	-0.10885	0.01862	-0.07795
-0.0703	0.12929	-0.08546	0.065	-0.03373	0.46716	0.004336	0.92555	-0.02571
-0.02378	0.60829	-0.20675	6.65E-06	-0.06987	0.1316	-0.12245	0.00807	-0.15341
-0.1848	5.88E-05	-0.3402	4.07E-14	-0.0628	0.17548	-0.0999	0.0309	-0.14537
-0.02367	0.60989	0.011923	0.7972	-0.04207	0.36434	-0.02247	0.6282	-0.08294
0.07619	0.10008	-0.14124	0.00222	-0.05623	0.22517	-0.13357	0.00383	-0.13402
0.036295	0.43392	-0.15788	0.00062	-0.07018	0.1299	-0.08658	0.06156	-0.11378
-0.04701	0.31076	-0.18339	6.71E-05	-0.0507	0.2742	-0.07934	0.08677	-0.00168
-0.08463	0.06766	-0.15961	0.00054	-0.05688	0.21991	-0.04192	0.36612	-0.09612
-0.00552	0.90532	0.077221	0.09556	-0.02932	0.52729	-0.03082	0.50644	0.084074
-0.04801	0.30047	-0.18242	7.35E-05	-0.05357	0.24797	-0.12383	0.00738	-0.03046
-0.01808	0.69681	-0.05763	0.21381	-0.07343	0.11301	-0.10621	0.0217	0.008717

-0.07022	0.12972	-0.11429	0.01346	-0.08593	0.06353	-0.11259	0.01492	-0.13119
0.102676	0.0265	0.018952	0.6829	0.017799	0.70125	0.027194	0.55775	0.034367
-0.06889	0.13712	-0.20917	5.15E-06	-0.05428	0.24174	-0.10161	0.02811	-0.08132
-0.15299	0.00091	-0.37901	2.11E-17	-0.08071	0.08147	-0.20689	6.55E-06	-0.19414
-0.11146	0.01597	-0.19574	2.05E-05	0.013495	0.77116	0.004399	0.92447	-0.03411
-0.12515	0.00677	-0.26442	6.54E-09	-0.01083	0.8155	0.017595	0.70451	-0.00875
-0.01291	0.78083	-0.40084	1.88E-19	-0.07911	0.0877	-0.15602	0.00072	-0.10795
0.02968	0.5223	-0.01292	0.78064	-0.01486	0.74869	-0.00158	0.97281	-0.04715
-0.11094	0.01646	-0.23295	3.56E-07	-0.06716	0.14732	-0.11197	0.01549	-0.1592
-0.16365	0.00038	-0.3133	4.28E-12	-0.0759	0.10138	-0.12135	0.00866	-0.1103
-0.06462	0.16326	-0.1477	0.00137	-0.03971	0.39186	-0.04998	0.28109	-0.08739
0.021582	0.64179	-0.05461	0.23888	-0.04114	0.37512	-0.02362	0.61071	-0.02423
-0.06372	0.16923	-0.25403	2.60E-08	-0.04723	0.30848	-0.14968	0.00118	-0.13313
0.096419	0.03726	-0.00771	0.86809	-0.07472	0.10682	-0.09804	0.03416	-0.07363
-0.14345	0.00188	-0.11854	0.01035	-0.07623	0.0999	-0.11312	0.01445	-0.14459
-0.17372	0.00016	-0.41596	5.78E-21	-0.08137	0.07898	-0.18864	4.09E-05	-0.16268
-0.06594	0.15483	-0.07203	0.12009	-0.0674	0.14586	-0.07467	0.10706	-0.12813
-0.02099	0.6509	-0.01608	0.7289	-0.03588	0.43919	-0.04655	0.31545	-0.05499
-0.00747	0.87203	-0.10423	0.02428	-0.0648	0.16213	-0.07179	0.12131	-0.08658
0.023253	0.61622	-0.05678	0.22071	-0.03649	0.43143	-0.02549	0.58273	-0.02082
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0.130396	0.00477	-0.2314	4.28E-07	-0.0655	0.15758	-0.16065	0.00049	-0.10567
0.038579	0.40554	0.087052	0.06014	-0.05724	0.21695	-0.068	0.14228	-0.08169
0.098744	0.03289	0.063928	0.16783	-0.04105	0.37616	-0.05642	0.22365	0.019682
0.142083	0.00209	0.185179	5.68E-05	-0.05509	0.23474	-0.04481	0.33394	-0.02357
-0.04298	0.35403	-0.0818	0.07742	-0.07029	0.12935	-0.05716	0.2176	-0.12564
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0.012174	0.79303	-0.14967	0.00118	-0.0941	0.04211	-0.18226	7.45E-05	-0.13591
0.171648	0.00019	0.282625	5.02E-10	0.063138	0.17316	0.078044	0.09206	0.140763
-0.01888	0.68401	-0.28576	3.17E-10	-0.0535	0.24854	-0.09761	0.03497	-0.123
0.058235	0.20905	-0.05105	0.27089	0.04307	0.35305	-0.01189	0.79775	0.149164
0.120033	0.00942	-0.04339	0.34947	-0.02677	0.56385	-0.06892	0.137	-0.01654
-0.23921	1.68E-07	-0.52599	1.38E-34	-0.05944	0.19976	-0.16241	0.00043	-0.14771
0.030474	0.51123	-0.12311	0.00774	-0.08682	0.06084	-0.13502	0.00346	-0.02144
0.027295	0.55628	-0.09146	0.04823	-0.07728	0.09529	-0.15488	0.00078	-0.11976
-0.09717	0.0358	-0.20197	1.09E-05	-0.069	0.13654	-0.07944	0.08637	-0.17814
0.014278	0.75828	0.098351	0.0336	-0.02238	0.62951	-0.06245	0.17789	0.017781
-0.17545	0.00014	-0.198	1.63E-05	-0.10828	0.01926	-0.06886	0.13729	-0.18903
0.078842	0.08878	0.222634	1.18E-06	-0.01601	0.73004	-0.01521	0.74311	0.088508
-0.05549	0.2314	-0.2233	1.09E-06	-0.01957	0.67311	-0.02067	0.65596	-0.07838
-0.04872	0.29339	-0.12523	0.00673	-0.04034	0.38448	-0.04668	0.31417	-0.04702
-0.01513	0.74434	-0.16105	0.00048	-0.05814	0.20979	-0.10763	0.01999	-0.09141
0.036263	0.43432	0.01213	0.79376	0.010717	0.81732	0.061198	0.18677	0.011841
-0.08302	0.07306	-0.15852	0.00059	-0.05985	0.19672	-0.138	0.0028	-0.05163
-0.02508	0.58878	-0.2183	1.91E-06	-0.05985	0.19666	-0.10665	0.02116	-0.15034

0.317813	2.03E-12	-0.03577	0.44058	-0.06772	0.14393	-0.12798	0.00561	-0.16726
-0.13137	0.00446	-0.31701	2.32E-12	-0.08251	0.07487	-0.06612	0.15369	-0.20601
0.047927	0.30135	0.08108	0.08006	-0.05352	0.24842	-0.04576	0.32381	-0.12831
-0.12463	0.00701	-0.27956	7.83E-10	-0.03974	0.3915	-0.10397	0.02465	-0.12608
0.143966	0.00181	0.425212	6.28E-22	0.060298	0.19334	0.113512	0.01411	0.243619
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-0.03515	0.44859	-0.25927	1.31E-08	-0.08098	0.08045	-0.15402	0.00084	-0.12309
-0.165	0.00034	-0.18722	4.68E-05	-0.05021	0.27888	-0.08015	0.08359	-0.11353
0.042497	0.3595	0.06079	0.18973	-0.02063	0.6566	-0.01167	0.80133	-0.07276
-0.02851	0.5388	-0.02971	0.52188	-0.05858	0.20635	-0.12117	0.00876	-0.02024
-0.12096	0.00888	-0.20298	9.83E-06	-0.05288	0.25411	-0.0928	0.04503	-0.04504
0.181141	8.26E-05	0.16555	0.00033	-0.05116	0.26992	-0.02331	0.61529	-0.05465
-0.17607	0.00013	-0.30204	2.63E-11	-0.06087	0.18918	-0.13475	0.00353	-0.16468
-0.07728	0.09532	-0.14034	0.00237	-0.03288	0.47844	0.000117	0.99799	0.02046
-0.09394	0.04245	-0.1957	2.05E-05	-0.08409	0.06944	-0.08646	0.06192	-0.10393
-0.14993	0.00116	-0.2319	4.04E-07	-0.06668	0.15025	-0.04874	0.29323	-0.0477
-0.0014	0.976	0.057197	0.2173	-0.02735	0.55549	-0.15064	0.00109	-0.12641
0.068923	0.13696	-0.13003	0.00489	-0.06506	0.16042	-0.09295	0.04469	-0.14744
-0.06761	0.14462	-0.28742	2.48E-10	-0.07763	0.09382	-0.21128	4.11E-06	-0.13642
-0.00806	0.86202	-0.07724	0.09548	-0.06558	0.15711	-0.05357	0.2479	-0.06883
0.009923	0.83065	-0.00364	0.93752	-0.03198	0.4906	-0.05354	0.24819	-0.08237
-0.03818	0.41044	-0.19548	2.10E-05	-0.08097	0.08046	-0.11585	0.01224	-0.14885
0.074566	0.10755	-0.2939	9.31E-11	-0.07909	0.0878	-0.1864	5.06E-05	-0.17994
0.033905	0.46482	0.20056	1.26E-05	-0.02747	0.55371	0.060471	0.19207	-0.04977
-0.16911	0.00024	-0.36054	8.81E-16	-0.06476	0.16238	-0.08927	0.05386	-0.14695
-0.12419	0.00721	-0.22645	7.62E-07	-0.01549	0.73844	0.029897	0.51926	-0.02223
-0.1488	0.00126	-0.2407	1.40E-07	-0.0655	0.15757	-0.13335	0.00389	-0.15701
-0.04859	0.29473	-0.13641	0.00314	-0.04701	0.31072	-0.01449	0.75488	-0.12376
-0.09908	0.0323	-0.17563	0.00014	-0.04853	0.29529	-0.08969	0.05275	-0.08822
-0.0793	0.08695	-0.08092	0.08065	-0.03726	0.42176	-0.05517	0.23407	-0.05823
-0.17513	0.00014	-0.38073	1.48E-17	-0.08192	0.07696	-0.10944	0.01799	-0.08679
-0.15269	0.00093	-0.05202	0.26188	-0.02548	0.58289	0.037606	0.41749	-0.11959
0.122734	0.00793	0.139126	0.00259	-0.01938	0.67614	0.010846	0.81518	0.017687
-0.06804	0.14209	-0.07733	0.09511	0.016887	0.71587	0.060942	0.18863	0.095207
-0.10841	0.01911	-0.27392	1.75E-09	-0.06245	0.1779	-0.10274	0.02641	-0.08864
0.209951	4.74E-06	0.135218	0.00341	-0.08446	0.06821	-0.15275	0.00093	-0.20497
0.008686	0.8515	0.188003	4.34E-05	-0.04926	0.28811	-0.03892	0.40144	-0.11531
0.122249	0.00818	-0.02817	0.54367	-0.03411	0.46208	-0.00794	0.86411	0.015028
0.038694	0.40414	-0.17847	0.00011	-0.02677	0.56397	0.027414	0.55455	-0.04791
0.055089	0.23475	0.037895	0.41392	-0.0178	0.70124	-0.00697	0.88058	-0.0047
-0.0954	0.03933	-0.10856	0.01894	-0.02676	0.56404	-0.05004	0.28053	0.11625
0.031643	0.49515	0.034242	0.46038	-0.03981	0.39065	-0.09715	0.03583	0.001322
0.094054	0.0422	-0.17904	0.0001	-0.06961	0.1331	-0.13522	0.00341	-0.11065
-0.05123	0.2692	-0.22489	9.11E-07	-0.05989	0.19636	-0.08984	0.05235	-0.10149
0.037682	0.41655	-0.11154	0.01589	-0.0517	0.26485	-0.08192	0.07698	-0.11458

0.342575	2.64E-14	-0.04406	0.34211	-0.06973	0.13243	-0.1404	0.00236	-0.09039
0.011932	0.79704	-0.03131	0.49966	-0.01735	0.70847	-0.02792	0.54732	0.041849
-0.00644	0.88959	-0.16122	0.00047	-0.04951	0.28567	-0.05749	0.21498	-0.03312
-0.01612	0.72828	-0.05912	0.20217	-0.04964	0.28443	-0.06911	0.1359	0.011549
-0.10072	0.02954	-0.21431	2.96E-06	-0.05331	0.25024	-0.08476	0.06722	-0.09766
-0.09871	0.03296	-0.21571	2.54E-06	-0.06852	0.13925	-0.10765	0.01998	-0.07349
0.110827	0.01658	-0.00412	0.92932	-0.03862	0.40505	-0.05542	0.23196	-0.11565
-0.03489	0.45199	-0.08308	0.07287	-0.01634	0.72473	-0.01172	0.80051	0.043504
-0.06234	0.17864	-0.08531	0.06547	-0.01117	0.80974	0.005916	0.89855	-0.1072
0.160467	0.0005	-0.1692	0.00024	-0.09151	0.0481	-0.16111	0.00047	-0.15295
-0.07519	0.10463	-0.077	0.09654	-0.07458	0.10747	-0.07112	0.12485	-0.15382
-0.13377	0.00378	-0.178	0.00011	-0.05802	0.21074	-0.01341	0.77249	-0.11264
0.085453	0.06503	0.04155	0.37032	-0.05096	0.2718	-0.10384	0.02483	-0.02095
-0.00426	0.92692	-0.27224	2.22E-09	-0.01212	0.79394	-0.09361	0.04318	-0.11761
0.204291	8.59E-06	-0.0617	0.18319	-0.11691	0.01146	-0.14176	0.00214	-0.18841
-0.28554	3.27E-10	-0.48157	1.74E-28	-0.09913	0.03222	-0.13617	0.00319	-0.19002
0.163687	0.00038	0.000701	0.98795	-0.02103	0.6503	-0.09346	0.04353	0.003047
-0.00713	0.87795	-0.12877	0.00532	-0.06407	0.16691	-0.10054	0.02982	-0.029
-0.15287	0.00092	-0.29048	1.57E-10	-0.06228	0.17908	-0.06356	0.17027	-0.155
-0.0329	0.47811	-0.0497	0.28385	-0.04716	0.30919	0.007122	0.87801	-0.13317
-0.15124	0.00104	-0.14735	0.00141	-0.06736	0.1461	-0.11892	0.01011	-0.18343
-0.10678	0.021	-0.24859	5.23E-08	-0.03875	0.40349	-0.09145	0.04825	-0.1014
-0.02744	0.55416	-0.30742	1.12E-11	-0.0876	0.05854	-0.12386	0.00737	-0.09937
-0.09861	0.03313	-0.25614	1.97E-08	-0.05674	0.22098	-0.08412	0.06935	-0.0948
-0.24922	4.83E-08	-0.34401	2.03E-14	-0.04269	0.35726	-0.03761	0.41746	-0.04464
-0.11069	0.01671	-0.11891	0.01012	-0.03327	0.47326	-0.08008	0.08385	-0.04129
-0.07453	0.10773	-0.04672	0.31367	-0.01916	0.67964	-0.00071	0.98782	-0.09145
0.124957	0.00686	0.188732	4.05E-05	0.04982	0.28264	0.093984	0.04235	0.047368
0.034032	0.46315	-0.13371	0.0038	-0.0327	0.4808	-0.03671	0.42867	-0.02688
-0.10238	0.02694	-0.36777	2.11E-16	-0.04195	0.36573	-0.03622	0.4349	-0.07761
-0.00107	0.98163	0.007871	0.86529	-0.02118	0.64797	-0.03835	0.40832	-0.0087
-0.19503	2.19E-05	-0.14053	0.00234	-0.05004	0.28051	0.00672	0.88484	-0.03145
0.089049	0.05448	0.247574	5.95E-08	0.029533	0.52436	0.081489	0.07854	0.090505
-0.02642	0.56904	-0.1506	0.0011	-0.02132	0.64577	-0.11071	0.0167	-0.00785
-0.04008	0.38746	0.030312	0.51347	0.020533	0.65808	0.024072	0.60384	-0.03824
0.233684	3.27E-07	0.119409	0.0098	-0.03192	0.49131	-0.07197	0.12041	-0.06753
-0.04767	0.304	-0.0984	0.03351	-0.06216	0.17995	-0.08845	0.05612	-0.02711
-0.00836	0.85697	-0.16639	0.0003	-0.03239	0.48505	0.0047	0.91932	-0.03263
-0.03463	0.45538	-0.02437	0.59935	-0.04651	0.3159	-0.10551	0.02258	-0.05995
0.06898	0.13663	0.078238	0.09126	-0.07532	0.10405	-0.11309	0.01447	-0.15417
0.020768	0.65441	-0.09444	0.04136	-0.04054	0.38209	-0.06928	0.13495	-0.02535
-0.1033	0.02559	-0.2824	5.19E-10	-0.0826	0.07455	-0.14777	0.00136	-0.1901
-0.00018	0.9969	-0.08597	0.06342	-0.04581	0.32321	-0.05661	0.22209	-0.1143
-0.00761	0.86965	0.004197	0.92792	-0.0531	0.25212	-0.08782	0.0579	-0.07263
-0.09375	0.04287	-0.22172	1.31E-06	-0.05429	0.24161	-0.08569	0.0643	-0.18528

-0.19289	2.71E-05	-0.22368	1.05E-06	-0.07982	0.08488	-0.06287	0.17497	-0.13795
-0.04146	0.37138	-0.11128	0.01614	-0.05298	0.25315	-0.0282	0.54321	-0.12551
-0.00797	0.86369	-0.20344	9.38E-06	-0.07936	0.08668	-0.11189	0.01556	-0.10976
-0.07627	0.09974	-0.22087	1.44E-06	-0.06663	0.15053	-0.07719	0.09571	-0.15547
-0.15493	0.00078	-0.3258	5.21E-13	-0.0689	0.13706	-0.1689	0.00025	-0.22058
0.224173	9.89E-07	-0.09959	0.03142	-0.04098	0.37693	-0.15144	0.00103	-0.0625
0.101197	0.02877	-0.02979	0.5207	-0.00588	0.89917	-0.01998	0.66673	0.037953
-0.12659	0.00615	-0.39197	1.34E-18	-0.04255	0.35889	-0.11643	0.01181	-0.15214
0.023868	0.60691	-0.20222	1.06E-05	-0.07507	0.10517	-0.08539	0.06522	-0.09062
-0.07221	0.11917	-0.10884	0.01863	-0.03635	0.43326	-0.0601	0.19482	-0.05745
0.134039	0.00371	-0.07517	0.10472	-0.06082	0.1895	-0.09396	0.0424	-0.08976
-0.01094	0.81365	0.014265	0.75849	0.04341	0.34926	0.07731	0.09518	0.066304
0.014006	0.76274	-0.02076	0.65461	-0.06362	0.1699	-0.04664	0.3145	-0.02716
-0.08832	0.0565	-0.10553	0.02256	-0.05193	0.26269	-0.02713	0.55873	-0.17957
-0.20261	1.02E-05	-0.29282	1.10E-10	-0.05259	0.25669	-0.14415	0.00179	-0.11137
-0.07655	0.09849	-0.09961	0.03138	-0.05435	0.24112	-0.00054	0.99066	-0.12451
-0.11945	0.00977	-0.10176	0.02789	-0.07522	0.1045	-0.07588	0.10147	-0.1035
0.070778	0.12668	0.047038	0.31042	-0.04577	0.32362	-0.07085	0.12631	-0.07189
0.03991	0.38951	-0.00606	0.89607	-0.03696	0.42549	-0.01574	0.73438	-0.04036
-0.17393	0.00016	-0.4227	1.16E-21	-0.07459	0.10744	-0.19139	3.13E-05	-0.16153
-0.1251	0.00679	-0.29262	1.13E-10	-0.05332	0.25013	-0.06197	0.18127	-0.07845
0.032769	0.47992	-0.19868	1.52E-05	-0.07298	0.11525	-0.12359	0.0075	-0.15839
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-0.16741	0.00028	-0.30695	1.20E-11	-0.0877	0.05827	-0.1159	0.0122	-0.14926
-0.17055	0.00021	-0.26249	8.48E-09	-0.06523	0.15935	-0.06755	0.14498	-0.10798
0.053641	0.24731	0.000984	0.98308	-0.01662	0.72017	0.014613	0.75279	0.029686
0.029428	0.52583	-0.02863	0.53713	-0.05824	0.209	-0.09529	0.03955	0.001245
0.156011	0.00072	-0.1637	0.00038	-0.07969	0.08538	-0.16115	0.00047	-0.05345
0.069918	0.13136	0.042956	0.35433	-0.0744	0.10832	-0.05415	0.24286	-0.09745
-0.04819	0.29867	-0.2771	1.12E-09	-0.04654	0.3156	-0.10106	0.02899	-0.07459
-0.01074	0.81693	-0.10253	0.02671	-0.01672	0.71859	-0.04304	0.35336	-0.04239
-0.12751	0.00579	-0.0498	0.28287	-0.0601	0.19481	-0.00767	0.86863	-0.03899
0.004818	0.9173	0.019245	0.67828	-0.04582	0.32311	-0.01907	0.68105	-0.12156
-0.03998	0.38865	-0.05617	0.22571	-0.09437	0.04151	-0.09606	0.03797	-0.16573
-0.25299	2.98E-08	-0.53026	3.21E-35	-0.06185	0.18209	-0.10271	0.02646	-0.09981
-0.10943	0.018	0.049852	0.28233	-0.01045	0.82173	0.05112	0.27025	0.092504
-0.0156	0.73675	0.225353	8.64E-07	0.052609	0.25653	0.103064	0.02593	0.146722
-0.08339	0.07179	-0.12522	0.00674	-0.01698	0.71435	-0.03585	0.43955	0.052273
-0.10668	0.02112	-0.15195	0.00099	0.068466	0.13959	0.158582	0.00058	0.020107
-0.00059	0.98984	-0.03987	0.39004	-0.04605	0.32075	-0.00654	0.88785	-0.03341
0.200602	1.25E-05	0.281003	6.36E-10	0.018723	0.68654	0.131416	0.00445	-0.06228
-0.14491	0.00169	-0.24156	1.26E-07	-0.01227	0.79148	0.012804	0.78258	-0.00514
-0.10161	0.02812	-0.06371	0.16926	-0.01533	0.74109	0.021636	0.64097	-0.06499
0.124593	0.00702	0.318908	1.69E-12	-0.01319	0.77613	0.073265	0.11384	0.015535
0.055228	0.23358	0.138116	0.00278	-0.05666	0.22163	-0.01514	0.74422	-0.11291

-0.24583	7.41E-08	-0.54659	9.83E-38	-0.01251	0.7875	-0.06501	0.16075	-0.0057
-0.02517	0.58738	0.030127	0.51604	-0.05708	0.21822	-0.01745	0.70681	-0.20416
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0.002094	0.964	-0.11905	0.01003	-0.03804	0.41209	-0.03744	0.41959	-0.06688
-0.0301	0.51641	-0.02159	0.64165	0.008389	0.85653	0.016129	0.72811	-0.02481
-0.11464	0.01318	0.026747	0.56423	-0.05615	0.22585	-0.1234	0.00759	-0.05085
0.036598	0.43009	-0.09035	0.05103	-0.05435	0.24113	-0.12198	0.00832	-0.12049
0.132696	0.00407	0.213235	3.33E-06	-0.03313	0.47508	0.006756	0.88422	0.019025
0.055141	0.23431	-0.07736	0.09495	-0.06392	0.16791	-0.1476	0.00138	-0.12046
-0.09163	0.04781	-0.18329	6.78E-05	-0.01729	0.70944	0.010014	0.82912	-0.09769
-0.13203	0.00426	-0.34386	2.08E-14	-0.10498	0.02328	-0.2016	1.13E-05	-0.1337
-0.09939	0.03175	-0.15345	0.00088	-0.0434	0.34933	0.010193	0.82612	-0.07547
-0.08776	0.05809	-0.10403	0.02457	-0.05124	0.26912	-0.13375	0.00378	0.035538
0.119054	0.01002	-0.13903	0.0026	-0.09331	0.04385	-0.13692	0.00303	-0.12827
-0.01252	0.78721	-0.01118	0.80951	-0.03805	0.41198	-0.13474	0.00353	0.089477
-0.00385	0.9338	-0.20432	8.57E-06	-0.0671	0.1477	-0.18819	4.27E-05	-0.06614
-0.11054	0.01686	-0.29774	5.15E-11	-0.0619	0.18175	-0.14022	0.00239	-0.05714
-0.10723	0.02046	-0.08902	0.05457	-0.02795	0.54689	-0.02855	0.53825	-0.124
-0.08134	0.0791	-0.22523	8.76E-07	-0.05158	0.26598	-0.08561	0.06454	0.01267
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-0.11457	0.01324	-0.05378	0.24607	0.004094	0.92968	0.001547	0.97341	0.152456
-0.03731	0.42117	0.114556	0.01325	-0.04818	0.29879	-0.01161	0.80238	-0.05044
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0.085812	0.0639	-0.06462	0.16325	-0.01415	0.76038	-0.07436	0.10855	0.040111
0.060577	0.19129	0.069777	0.13215	-0.06089	0.18902	-0.13007	0.00488	-0.31228
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0.049693	0.28388	-0.10931	0.01813	-0.06577	0.15592	-0.15377	0.00086	-0.14091
0.083401	0.07176	-0.0647	0.16275	-0.02022	0.66302	-0.07533	0.10399	0.026968
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-0.0856	0.06457	-0.27118	2.58E-09	-0.05525	0.23342	-0.08133	0.07914	-0.08589
-0.20768	6.03E-06	-0.43158	1.31E-22	-0.05001	0.28083	-0.10379	0.02489	-0.1205
-0.1113	0.01611	-0.13998	0.00243	-0.05977	0.19728	-0.05784	0.21219	-0.04221
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0.023411	0.61381	0.023554	0.61165	-0.10453	0.02389	-0.17559	0.00014	-0.2435
0.146191	0.00154	0.158906	0.00057	-0.03044	0.51163	-0.01862	0.68819	-0.00908
0.147003	0.00144	0.138363	0.00273	-0.02457	0.59641	-0.08882	0.05511	-0.03585

0.031195	0.50127	-0.11069	0.01671	-0.01976	0.67021	-0.02655	0.56717	-0.03654
-0.01689	0.71591	-0.20203	1.08E-05	-0.04902	0.29046	-0.07551	0.10317	-0.05433
-0.08378	0.07047	-0.25779	1.59E-08	-0.07979	0.08502	-0.10845	0.01906	-0.11231
0.055459	0.23163	-0.08851	0.05595	-0.07932	0.08685	-0.14516	0.00166	-0.05839
0.017761	0.70185	-0.28499	3.55E-10	-0.07561	0.10272	-0.10057	0.02979	-0.13045
-0.11122	0.0162	-0.02972	0.52173	-0.02702	0.56029	-0.00494	0.91522	-0.04454
0.013155	0.77677	-0.06096	0.18848	-0.05228	0.25952	-0.10908	0.01837	-0.07579
-0.05699	0.21896	-0.1297	0.005	-0.14987	0.00116	-0.15573	0.00073	-0.29012
-0.03914	0.39877	-0.31664	2.46E-12	-0.067	0.14829	-0.08648	0.06185	-0.14608
-0.10688	0.02088	-0.35705	1.73E-15	-0.07453	0.10774	-0.09325	0.04399	-0.1432
-0.17762	0.00011	-0.26664	4.83E-09	-0.05611	0.22619	-0.11067	0.01674	-0.09138
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0.009466	0.83835	-0.11726	0.01121	-0.06631	0.15251	-0.06771	0.14401	-0.04503
0.050646	0.27473	-0.08827	0.05662	-0.0683	0.14054	-0.12898	0.00525	-0.1518
0.086011	0.06329	0.098172	0.03392	0.084415	0.06837	0.113385	0.01422	0.191073
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0.084907	0.06677	0.10763	0.02	-0.05044	0.27671	-0.07853	0.09006	-0.04681
-0.0421	0.36403	-0.08763	0.05846	-0.08154	0.07836	-0.15697	0.00066	-0.04442
0.039305	0.39675	-0.14447	0.00175	-0.05807	0.21035	-0.04467	0.33548	-0.13033
-0.01009	0.82792	-0.04479	0.33414	-0.07573	0.10215	-0.08214	0.07619	-0.09022
0.042485	0.35963	0.124017	0.00729	-0.04548	0.32669	-0.0762	0.10002	-0.04761
0.097858	0.0345	-0.17994	9.23E-05	-0.08073	0.08139	-0.16565	0.00032	-0.18778
-0.13047	0.00474	-0.28672	2.74E-10	-0.06449	0.16415	-0.09218	0.04648	-0.11021
-0.04425	0.34005	-0.28241	5.18E-10	-0.02746	0.55396	-0.03192	0.4914	-0.10425
0.048881	0.29182	-0.09925	0.03201	-0.05297	0.25331	-0.11765	0.01095	-0.06564
0.01842	0.69135	-0.00198	0.96593	-0.0309	0.50535	-0.05075	0.27377	0.073438
-0.20089	1.22E-05	-0.20375	9.08E-06	-0.04213	0.36369	-0.05229	0.2594	-0.1306
-0.19872	1.52E-05	-0.32967	2.66E-13	-0.03691	0.42614	-0.01724	0.71017	-0.03378
0.055036	0.23521	-0.14707	0.00144	-0.05838	0.20796	-0.15415	0.00083	-0.06316
-0.05018	0.2792	-0.04932	0.28755	-0.02941	0.52615	0.007457	0.87232	-0.07167
0.142003	0.0021	-0.30056	3.32E-11	-0.08668	0.06124	-0.1333	0.00391	-0.11612
-0.07154	0.12263	-0.32237	9.39E-13	-0.06938	0.13438	-0.11985	0.00953	-0.2107
0.08621	0.06267	0.273003	2.00E-09	0.013363	0.77334	-0.01221	0.79242	-0.00078
-0.15682	0.00067	-0.16616	0.00031	-0.04245	0.35999	-0.04097	0.37706	-0.13804
-0.0136	0.76946	-0.05871	0.20533	-0.03985	0.39021	-0.08114	0.07985	-0.06382
-0.08793	0.05758	-0.35347	3.44E-15	-0.05776	0.2128	-0.13963	0.00249	-0.16503
0.099208	0.03208	0.064795	0.16213	-0.02098	0.65106	-0.08277	0.07395	0.01814
0.019494	0.67436	-0.19125	3.18E-05	-0.02122	0.6474	0.007583	0.87018	-0.03708
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-0.00243	0.95816	-0.08151	0.07845	-0.08801	0.05738	-0.15493	0.00078	-0.06151
-0.13098	0.00458	-0.18182	7.76E-05	-0.05212	0.26096	-0.06979	0.13209	0.015442
-0.18232	7.41E-05	-0.25154	3.59E-08	-0.01705	0.71323	0.017256	0.70994	0.043286
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-0.08844	0.05615	-0.15597	0.00072	-0.05419	0.24245	-0.08782	0.05791	-0.10856
-0.0419	0.36635	-0.26433	6.62E-09	-0.02182	0.63812	-0.03878	0.40307	-0.02713



0.081307	0.07921	-0.00329	0.94344	-0.01412	0.76093	-0.0511	0.27049	0.133877
0.141669	0.00215	0.410801	1.93E-20	0.048109	0.29953	0.071082	0.12505	0.144407
0.152923	0.00092	0.040723	0.37992	0.014688	0.75156	-0.06857	0.13901	0.1737
0.179294	9.79E-05	0.104615	0.02377	0.007578	0.87026	-0.06072	0.19025	0.043246
0.018318	0.69297	-0.08426	0.06889	0.014606	0.7529	-0.06944	0.13404	0.027215
0.068843	0.13742	-0.11029	0.01711	0.011808	0.79911	-0.07898	0.08824	0.045404
0.043534	0.34788	-0.03267	0.48125	-0.01694	0.71502	-0.08985	0.05233	0.014738
-0.02352	0.61218	0.110356	0.01705	0.084758	0.06725	0.180963	8.40E-05	0.091394
0.007908	0.86466	-0.10554	0.02254	-0.02162	0.64115	-0.10449	0.02393	-0.0083
0.170767	0.00021	-0.12115	0.00878	-0.02185	0.63773	-0.14316	0.00193	-0.07328
0.068144	0.14146	0.08631	0.06237	-0.0577	0.21331	0.017058	0.71312	-0.24433
0.209287	5.09E-06	0.468671	7.09E-27	0.016996	0.71411	0.22991	5.10E-07	0.086937
0.125989	0.00641	-0.11195	0.0155	-0.05958	0.19868	-0.196	1.99E-05	-0.10762
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-0.06951	0.13362	-0.1518	0.001	0.042017	0.36496	0.054592	0.23902	0.36457
-0.08794	0.05756	-0.03859	0.40536	-0.00964	0.83545	-0.01126	0.80829	0.084418
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0.162858	0.00041	0.104992	0.02326	0.008474	0.85508	-0.01095	0.81339	0.057434
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0.147276	0.00142	0.097353	0.03545	-0.03637	0.43296	-0.10903	0.01842	0.058292
0.196917	1.82E-05	0.045023	0.33163	-0.04825	0.29814	-0.15663	0.00068	-0.12377
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0.034591	0.45582	-0.12248	0.00806	-0.05361	0.24757	-0.13268	0.00407	-0.02843
0.14178	0.00213	-0.18166	7.87E-05	-0.02185	0.63773	-0.20691	6.54E-06	-0.04927
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0.177944	0.00011	0.247095	6.32E-08	0.065758	0.15596	-0.06895	0.1368	0.264425
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0.040473	0.38285	-0.06512	0.16002	-0.00668	0.8855	0.051191	0.26959	-0.17419
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0.0815	0.0785	-0.06897	0.13667	-0.01936	0.67646	-0.12648	0.0062	-0.08908
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-0.05001	0.28084	-0.24315	1.04E-07	0.012154	0.79335	-0.05657	0.22236	0.020616
0.140219	0.00239	0.100796	0.02941	-0.03603	0.43732	-0.15112	0.00105	0.025515

-0.10857	0.01893	-0.03956	0.39366	0.029298	0.52766	0.153286	0.00089	-0.01379
-0.13859	0.00269	-0.2814	6.01E-10	-0.06772	0.14397	-0.12968	0.005	0.042426
-0.15418	0.00083	-0.41001	2.33E-20	-0.02019	0.66337	-0.07199	0.12029	0.029729
-0.07665	0.09804	-0.06914	0.13574	-0.02111	0.64915	-0.05101	0.2713	0.065661
-0.06005	0.1952	-0.24351	9.90E-08	-0.03257	0.48262	-0.13187	0.00431	-0.02065
0.110844	0.01656	0.249182	4.85E-08	0.018329	0.6928	0.198192	1.60E-05	-0.06738
-0.05547	0.23152	-0.12883	0.0053	-0.0243	0.60049	-0.07265	0.11691	-0.03438
-0.03819	0.41031	-0.26214	8.89E-09	-0.04448	0.33745	-0.14557	0.00161	-0.05083
0.105412	0.02271	0.105325	0.02283	0.022567	0.62666	0.016159	0.72763	0.239457
0.096398	0.0373	0.178365	0.00011	-0.01656	0.7212	-0.01816	0.69542	-0.16922
-0.11164	0.01579	-0.28698	2.64E-10	-0.01009	0.82782	0.027799	0.54901	-0.02486
-0.16221	0.00043	-0.37682	3.34E-17	0.004215	0.92762	-0.08439	0.06844	-0.01341
-0.01877	0.68587	-0.22341	1.08E-06	-0.03496	0.45105	-0.14279	0.00198	-0.0673
0.206336	6.94E-06	-0.0382	0.41021	0.032197	0.48763	-0.06688	0.14904	0.009086
-0.1167	0.01161	-0.36343	4.99E-16	-0.03647	0.43166	-0.169	0.00024	-0.13606
0.249782	4.49E-08	0.232108	3.94E-07	-0.0033	0.94327	0.077061	0.09625	-0.02596
0.032155	0.48819	-0.15153	0.00102	0.047321	0.30751	0.017771	0.7017	0.151333
-0.06254	0.17729	-0.29454	8.44E-11	-0.0247	0.59448	-0.10552	0.02257	-0.04083
0.075621	0.10265	-0.24947	4.67E-08	-0.05266	0.25607	-0.06112	0.18734	-0.14149
-0.04861	0.2945	-0.11996	0.00947	0.013021	0.77899	-0.04065	0.38072	-0.00504
0.003126	0.94628	-0.19754	1.71E-05	0.044855	0.33343	-0.13434	0.00363	-0.11928
0.026093	0.57381	-0.32165	1.06E-12	-0.00319	0.94514	-0.0666	0.15071	-0.02238
0.114115	0.01361	0.110557	0.01684	0.057808	0.21242	0.086828	0.06081	0.197219
-0.12258	0.00801	-0.19459	2.29E-05	-0.03051	0.51068	-0.04422	0.34036	0.027968
-0.11931	0.00986	-0.39947	2.56E-19	0.026351	0.57001	-0.00069	0.98819	0.104591
-0.06558	0.15706	-0.06358	0.17014	0.019717	0.67084	-0.00775	0.8674	0.105835
0.093623	0.04315	0.0442	0.34055	-0.03829	0.40908	-0.09194	0.04707	0.050932
-0.04497	0.33223	-0.20995	4.74E-06	0.083556	0.07123	0.135889	0.00326	0.033301
-0.02661	0.5663	-0.19718	1.77E-05	0.035646	0.44219	-0.02452	0.59711	0.066029
0.005557	0.90467	-0.16134	0.00047	-0.03745	0.41944	-0.11021	0.01719	0.021062
-0.15092	0.00107	-0.38321	8.76E-18	-0.02981	0.52041	-0.14005	0.00242	0.051268
-0.07315	0.11441	-0.07261	0.11711	-0.01963	0.67228	-0.04236	0.36101	0.024995
0.060582	0.19125	0.211873	3.86E-06	0.025655	0.58025	-0.01981	0.66934	0.029984
0.078718	0.08928	0.108623	0.01887	-0.005	0.91425	-0.00802	0.86273	-0.05228
0.082182	0.07603	0.136697	0.00308	-0.03738	0.42032	-0.15316	0.0009	0.063007
0.014258	0.75861	0.029769	0.52105	-0.02827	0.5422	-0.02822	0.54292	-0.12365
-0.13455	0.00358	-0.19422	2.38E-05	0.010303	0.82426	0.074541	0.10767	0.087512
-0.11668	0.01163	-0.17852	0.00011	-0.02358	0.61122	-0.10909	0.01837	0.036796
-0.03269	0.48098	-0.11148	0.01595	-0.02124	0.64715	-0.10034	0.03015	0.042763
0.097307	0.03554	-0.0408	0.37905	-0.00614	0.89469	-0.11567	0.01237	0.035822
-0.1178	0.01084	-0.26792	4.05E-09	-0.01891	0.6835	-0.13271	0.00407	-0.04408
-0.06639	0.15203	-0.23187	4.05E-07	-0.02333	0.615	-0.13752	0.0029	-0.08312
0.034691	0.45453	-0.12355	0.00752	0.015165	0.74378	-0.04256	0.35879	0.033379
0.214948	2.77E-06	-0.02516	0.58757	-0.00498	0.91461	0.021211	0.64753	-0.00202
0.17667	0.00012	-0.18597	5.27E-05	0.012684	0.78456	-0.11323	0.01436	0.016374

0.097354	0.03545	-0.29596	6.78E-11	3.01E-06	0.99995	-0.118	0.01071	-0.04468
-0.02792	0.54723	-0.2082	5.70E-06	-0.07053	0.12801	-0.246	7.25E-08	-0.07673
-0.11248	0.01502	-0.20339	9.43E-06	-0.01687	0.71609	-0.09152	0.0481	0.000129
-0.10787	0.01972	0.09375	0.04287	0.014487	0.75486	0.018687	0.6871	0.040571
-0.03356	0.46943	-0.19409	2.41E-05	-0.03507	0.44962	-0.11365	0.01399	0.015764
0.012828	0.78218	-0.42499	6.63E-22	-0.06225	0.17926	-0.24119	1.32E-07	-0.12675
0.066488	0.15142	-0.21226	3.70E-06	0.001875	0.96776	-0.15718	0.00065	-0.0354
-0.14965	0.00118	-0.38984	2.12E-18	-0.04877	0.29292	-0.16244	0.00042	-0.05438
0.01468	0.7517	-0.27454	1.61E-09	0.03563	0.44239	-0.01401	0.7627	0.198446
-0.16123	0.00047	-0.30857	9.27E-12	-0.01721	0.7107	-0.0384	0.4077	0.026661
0.057271	0.21671	-0.20596	7.22E-06	-0.0165	0.72215	-0.11132	0.0161	-0.03611
0.173062	0.00017	-0.01912	0.68022	0.010766	0.81651	0.007109	0.87822	-0.00018
0.040004	0.38839	-0.11089	0.01651	0.029474	0.52519	-0.09238	0.04601	0.07858
0.057232	0.21702	-0.0288	0.53474	0.045229	0.32942	0.027958	0.54673	0.138841
-0.01496	0.74712	-0.12246	0.00807	0.040526	0.38223	-0.00427	0.92662	0.064712
-0.04157	0.37006	-0.07614	0.10029	-0.00144	0.97528	-0.05369	0.24691	0.062021
-0.04116	0.37488	-0.29447	8.53E-11	-0.0369	0.42625	-0.12525	0.00672	-0.00517
-0.0188	0.68538	-0.19109	3.23E-05	-0.02182	0.63809	-0.14213	0.00208	0.016857
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0.147847	0.00136	-0.12297	0.00781	0.01514	0.74418	0.018532	0.68957	0.068725
-0.08774	0.05813	-0.0962	0.03769	0.018799	0.68533	0.020235	0.66272	0.141057
-0.12068	0.00904	-0.226	8.02E-07	-0.00917	0.84326	-0.02938	0.5265	0.034419
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-0.17527	0.00014	-0.23755	2.05E-07	-0.02267	0.62504	-0.01843	0.69114	-0.01728
0.176944	0.00012	0.147746	0.00137	-0.03646	0.43187	-0.10455	0.02385	-0.12082
-0.06425	0.16571	-0.35455	2.80E-15	-0.06107	0.1877	-0.18735	4.62E-05	-0.15812
-0.11042	0.01698	0.149886	0.00116	0.022574	0.62656	0.138675	0.00267	0.054477
-0.17112	0.0002	-0.27884	8.70E-10	-0.03882	0.40259	-0.00955	0.83696	-0.07439
0.176042	0.00013	0.380039	1.71E-17	0.01456	0.75365	0.026986	0.56076	0.017837
0.002386	0.95898	-0.10035	0.03014	-0.03636	0.43312	-0.08458	0.06781	-0.05728
-0.04473	0.33476	-0.17996	9.21E-05	-0.02014	0.66426	-0.08495	0.06664	0.006728
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0.003653	0.93725	-0.0414	0.37203	-0.04752	0.30545	-0.14701	0.00144	-0.02577
0.106885	0.02087	-0.05385	0.2455	-0.01315	0.7768	-0.14378	0.00184	0.006598
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-0.00797	0.86365	-0.15911	0.00056	-0.06338	0.17149	-0.15236	0.00096	-0.07095
0.154107	0.00083	0.021702	0.63993	-0.04879	0.29271	-0.02819	0.54338	-0.07121
0.071747	0.12155	-0.0848	0.06711	0.092619	0.04545	-0.05111	0.27031	0.278472
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-0.05647	0.22319	-0.25298	2.98E-08	-0.04592	0.32203	-0.17325	0.00017	-0.06559
0.028919	0.53302	-0.14323	0.00192	0.02523	0.58654	-0.04719	0.30886	-0.04652
0.27425	1.67E-09	0.344427	1.88E-14	-0.06127	0.18625	-0.11465	0.01317	0.013924
0.009265	0.84172	-0.2212	1.38E-06	-0.03616	0.43566	-0.14404	0.0018	-0.10902
0.209118	5.18E-06	-0.26675	4.76E-09	-0.01648	0.72237	-0.10453	0.02387	-0.01068

0.105489	0.02261	-0.13961	0.0025	-0.00483	0.91714	-0.03528	0.44696	0.069355
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-0.02143	0.64413	-0.23599	2.48E-07	0.022524	0.62732	-0.12313	0.00773	-0.04321
0.045357	0.32805	0.150641	0.00109	0.106615	0.0212	0.181396	8.07E-05	0.216254
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-0.15099	0.00106	-0.34329	2.32E-14	0.030137	0.5159	-0.09624	0.03761	-0.04972
-0.04838	0.29677	-0.14932	0.00121	-0.03799	0.4128	-0.12391	0.00734	-0.02472
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0.174969	0.00014	0.094089	0.04212	0.004907	0.91577	-0.06707	0.14783	0.06852
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0.030357	0.51285	-0.11056	0.01684	0.030512	0.5107	-0.07411	0.10971	0.09729
0.299496	3.92E-11	0.14892	0.00125	0.012011	0.79573	-0.18767	4.48E-05	0.071676
0.006774	0.88392	-0.13317	0.00394	-0.0065	0.88853	-0.10866	0.01883	-0.0337
0.046811	0.31277	-0.09864	0.03307	-0.02956	0.52398	-0.15489	0.00078	-0.06563
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-0.04786	0.30207	-0.24753	5.98E-08	-0.06548	0.15775	-5.04E-05	0.99913	-0.05937
-0.10056	0.0298	-0.03918	0.39823	0.010458	0.82166	0.002845	0.95112	0.144202
0.049522	0.28553	-0.24725	6.20E-08	0.008116	0.86114	-0.11447	0.01331	-0.09247
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0.103582	0.02519	-0.10264	0.02655	-0.02629	0.57088	-0.08189	0.07708	0.059182
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0.029778	0.52092	0.078216	0.09135	0.036427	0.43225	0.048095	0.29966	0.235929
0.303221	2.18E-11	-0.20536	7.69E-06	0.046232	0.3188	-0.02602	0.57495	0.177134
0.01124	0.80859	-0.11195	0.0155	-0.02201	0.63524	0.0321	0.48893	0.041253
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0.220355	1.52E-06	0.364364	4.15E-16	0.023683	0.60971	-0.05685	0.22008	0.195446
0.058535	0.20672	0.162907	0.00041	0.017629	0.70396	-0.04594	0.32186	0.068097
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0.011807	0.79912	-0.19048	3.42E-05	-0.01929	0.67762	-0.0647	0.16277	0.005798
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0.078506	0.09015	-0.11592	0.01218	-0.03484	0.45254	-0.12067	0.00905	-0.07951
0.140515	0.00234	-0.1501	0.00114	-0.03214	0.48834	-0.11323	0.01435	-0.0536
-0.20168	1.12E-05	-0.31824	1.89E-12	-0.0017	0.97082	-0.00396	0.93195	0.191175
0.000608	0.98954	-0.13394	0.00373	0.015753	0.7342	0.001911	0.96714	-0.01659
0.024131	0.60296	-0.14395	0.00182	0.017242	0.71017	-0.10122	0.02873	-0.03215
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-0.10208	0.0274	-0.2627	8.24E-09	0.065956	0.15472	0.005493	0.90576	0.136212
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-0.06179	0.18256	-0.18978	3.66E-05	-0.00753	0.87109	-0.08067	0.0816	-0.04755
-0.08272	0.07413	-0.26764	4.21E-09	0.039763	0.39127	0.06364	0.16976	0.135059
-0.08551	0.06485	-0.30654	1.28E-11	-0.01882	0.68508	-0.07699	0.09654	-0.04288
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0.003885	0.93327	-0.12439	0.00712	-0.02922	0.5288	-0.05227	0.2596	-0.01401
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0.066724	0.14996	0.042102	0.36399	0.087642	0.05842	0.046409	0.31695	0.453778
0.015172	0.74367	-0.07116	0.12465	-0.01153	0.80375	-0.10651	0.02133	0.077162
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0.032143	0.48835	-0.02765	0.55121	0.02745	0.55404	-0.00415	0.92869	0.136016
0.012021	0.79556	-0.17872	0.0001	-0.03344	0.47103	-0.12359	0.0075	-0.00552
0.153151	0.0009	0.255931	2.03E-08	0.025473	0.58295	-0.0207	0.65549	0.085705
0.042664	0.35762	0.074804	0.10643	-0.02562	0.58072	-0.162	0.00044	-0.00481
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0.144595	0.00173	0.387267	3.70E-18	0.022084	0.63405	0.013939	0.76385	-0.0203
0.160128	0.00051	0.285159	3.46E-10	-0.02236	0.62988	-0.05052	0.2759	-0.07047
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0.220703	1.46E-06	0.359291	1.12E-15	0.009332	0.8406	0.052272	0.25959	0.001715
0.266645	4.82E-09	-0.21493	2.77E-06	0.01987	0.66844	-0.06947	0.13385	0.007514
-0.16541	0.00033	-0.34402	2.03E-14	0.01242	0.78894	-0.03739	0.42016	0.05391
0.011597	0.80263	0.191223	3.19E-05	-0.04051	0.38243	0.035712	0.44135	-0.05533
-0.03519	0.44807	-0.08397	0.06983	-0.00018	0.99683	-0.07636	0.09932	0.108277
-0.05216	0.26063	-0.08152	0.07843	0.077499	0.09437	-0.01095	0.81351	0.066729
-0.0683	0.14056	-0.27985	7.52E-10	0.029603	0.52338	0.000197	0.99661	0.084704
0.065416	0.15813	-0.30775	1.06E-11	-0.02199	0.63555	-0.14527	0.00165	-0.0416
0.06984	0.1318	-0.02009	0.66497	0.023018	0.61979	-0.05528	0.2331	0.170382
0.086847	0.06075	0.01152	0.80391	-0.03257	0.48255	-0.13915	0.00258	0.005074
0.029306	0.52756	-0.15509	0.00077	0.023131	0.61806	-0.08378	0.07046	0.066686
0.110204	0.0172	0.050071	0.28022	0.016735	0.71832	-0.04913	0.2894	0.046707
0.046817	0.3127	-0.24503	8.19E-08	-0.02846	0.53953	-0.13808	0.00279	-0.06712
-0.09584	0.03841	-0.22707	7.09E-07	-0.03122	0.5009	-0.12395	0.00732	-0.02435
0.037093	0.42387	-0.22877	5.82E-07	-0.0133	0.77433	-0.10176	0.02789	-0.07133
-0.12472	0.00696	-0.1349	0.00349	0.029013	0.53169	-0.00109	0.98118	0.048987
-0.106	0.02197	-0.33637	8.12E-14	0.085689	0.06428	-0.03379	0.46631	0.150423
-0.06946	0.13392	-0.02236	0.62988	-0.02286	0.62218	-0.10792	0.01966	0.089977
-0.05202	0.26192	-0.19419	2.38E-05	0.01426	0.75858	-0.03335	0.47215	0.031377
0.011325	0.80717	-0.01096	0.81321	0.160869	0.00048	0.229828	5.15E-07	0.315607
0.159442	0.00054	0.185672	5.42E-05	-0.01506	0.74553	-0.09026	0.05126	-0.10843
-0.08788	0.05775	-0.01744	0.70696	-0.03437	0.45866	0.005182	0.91107	0.00546
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0.002913	0.94994	-0.05301	0.2529	0.014765	0.75031	-0.08141	0.07883	0.007474
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0.106246	0.02166	0.051896	0.26304	-0.03667	0.42923	-0.03134	0.49926	-0.01384

0.110314	0.01709	0.032644	0.4816	0.001483	0.9745	-0.03947	0.39482	0.065953
-0.11077	0.01663	-0.071	0.12549	0.04282	0.35585	0.122746	0.00792	0.182046
-0.08269	0.07423	-0.24133	1.30E-07	-0.02187	0.6374	-0.13389	0.00375	-0.03277
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-0.09963	0.03135	-0.19466	2.27E-05	0.007065	0.87897	-0.10842	0.0191	-0.03421
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0.237459	2.08E-07	0.05524	0.23347	0.032727	0.48048	-0.01243	0.78876	0.11146
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0.04248	0.3597	-0.25659	1.86E-08	-0.0502	0.27902	-0.08083	0.08101	0.00102
0.065409	0.15818	-0.17595	0.00013	-0.03126	0.50034	-0.11868	0.01026	-0.07109
0.217645	2.06E-06	0.017519	0.70573	-0.01346	0.77175	-0.12617	0.00633	0.037308
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-0.20304	9.78E-06	-0.40525	6.94E-20	-0.03433	0.45929	-0.09839	0.03354	-0.14975
-0.10294	0.02612	-0.3059	1.42E-11	0.064657	0.16303	0.024258	0.60105	0.248235
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0.250207	4.25E-08	0.088817	0.05511	0.002303	0.96041	-0.14731	0.00141	0.041505
0.038221	0.40992	0.090295	0.05117	0.105047	0.02319	0.136979	0.00302	0.501257
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0.078594	0.08979	-0.2086	5.47E-06	-0.04213	0.36364	-0.11942	0.0098	-0.03973
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0.0876	0.05854	-0.03043	0.51178	0.005962	0.89776	-0.07088	0.12611	0.086805
0.162542	0.00042	-0.104	0.02461	0.005285	0.90932	-0.06253	0.17733	0.096953
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0.345208	1.62E-14	-0.08811	0.05708	-0.00777	0.86698	-0.13711	0.00299	-0.05623
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0.254339	2.50E-08	0.203467	9.35E-06	-0.02844	0.53987	-0.09695	0.03623	-0.25939
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0.275105	1.48E-09	0.061598	0.1839	-0.00473	0.91873	-0.11237	0.01512	0.025395
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0.015796	0.73351	-0.05063	0.27491	-0.0189	0.68368	-0.03754	0.41836	-0.0181
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0.069206	0.13535	0.121122	0.00879	0.073606	0.11217	0.046333	0.31774	0.249175
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0.101667	0.02803	-0.00459	0.92117	0.078256	0.09119	-0.01337	0.77329	0.192363
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0.027376	0.55511	-0.04834	0.29723	-0.02561	0.58085	-0.07239	0.11822	0.068906
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0.08504	0.06634	0.117071	0.01135	0.099758	0.03113	0.347337	1.09E-14	0.119442
0.033468	0.47059	-0.02784	0.5484	-0.00704	0.87944	0.003955	0.93207	0.02768
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0.066972	0.14845	0.065436	0.15801	0.041613	0.36959	-0.09051	0.05062	0.152732
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0.275612	1.38E-09	0.176734	0.00012	0.020429	0.6597	-0.15974	0.00053	0.13249
0.040515	0.38237	0.098704	0.03297	0.023253	0.61621	0.028241	0.54267	0.168792
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0.058179	0.2095	-0.26364	7.26E-09	-0.02299	0.62026	-0.17269	0.00018	0.051905
-0.05885	0.20426	0.035105	0.44915	-0.02443	0.59844	-0.07971	0.0853	-0.02897
0.226645	7.45E-07	0.217188	2.16E-06	-0.03805	0.41198	-0.04413	0.34131	-0.23716
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0.11969	0.00963	-0.08333	0.072	-0.03112	0.50233	-0.12611	0.00635	-0.01257
0.12987	0.00494	-0.00741	0.87313	-0.03566	0.44207	0.106779	0.021	-0.32723
0.115355	0.01261	-0.15634	0.0007	-0.0204	0.66019	-0.18649	5.02E-05	-0.03954
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0.03329	0.47296	0.214863	2.79E-06	0.030555	0.5101	0.021073	0.64967	0.055061
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0.016754	0.71801	-0.17426	0.00015	0.024948	0.59074	-0.09259	0.04552	-0.03397
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0.155349	0.00076	0.310926	6.32E-12	0.035591	0.44289	-0.00168	0.97111	0.228456
0.020783	0.65417	-0.0601	0.19479	0.083531	0.07132	0.05537	0.23237	0.273978
0.054956	0.23589	-0.01215	0.79341	-0.03225	0.48694	-0.00075	0.98715	0.045018

-0.34434	1.91E-14	-0.39128	1.56E-18	-0.0152	0.74322	-0.06804	0.14206	0.004901
0.263923	6.99E-09	-0.07258	0.11727	-0.03211	0.48878	-0.13528	0.0034	0.057161
-0.16171	0.00045	-0.18275	7.12E-05	-0.00096	0.98341	-0.04853	0.29529	0.063027
-0.22124	1.38E-06	-0.23059	4.71E-07	0.107317	0.02036	0.259023	1.35E-08	0.246837
-0.07754	0.09419	-0.29711	5.68E-11	0.015822	0.73309	-0.0538	0.24591	-0.09006
-0.11212	0.01535	-0.03169	0.49446	-0.01549	0.73856	-0.12124	0.00872	-0.01117
0.255046	2.28E-08	-0.09844	0.03345	-0.04611	0.32009	-0.15341	0.00088	-0.07256
-0.04683	0.31257	-0.2961	6.64E-11	0.035396	0.4454	-0.08782	0.0579	-0.01499
-0.03638	0.43285	-0.35135	5.15E-15	-0.00172	0.97049	-0.09941	0.03172	-0.02207
0.033923	0.46458	-0.19445	2.32E-05	0.00809	0.86158	-0.03503	0.45015	-0.01515
-0.01996	0.66704	0.050695	0.27426	0.082027	0.07658	0.020126	0.66443	0.30529
-0.18571	5.40E-05	0.034329	0.45925	0.048041	0.30021	0.15146	0.00103	-0.00131
-0.17287	0.00017	-0.39013	1.99E-18	0.024705	0.59436	-0.06394	0.16775	0.103995
-0.01557	0.73711	-0.03187	0.4921	0.05029	0.27812	-0.073	0.11517	0.12026
0.223604	1.05E-06	-0.16216	0.00043	-0.03333	0.47248	-0.1506	0.0011	-0.03183
0.040149	0.38669	-0.15619	0.00071	0.017594	0.70452	-0.06802	0.14221	-0.03321
-0.02448	0.59775	-0.07154	0.12263	-0.05906	0.20263	-0.13869	0.00267	-0.04354
0.189391	3.80E-05	0.108294	0.01924	0.037635	0.41714	-0.10954	0.01788	0.151926
-0.24404	9.27E-08	-0.6388	6.53E-55	-0.05979	0.19716	-0.15443	0.00081	-0.18239
-0.06924	0.13514	-0.15631	0.0007	-0.00314	0.94602	0.025668	0.58006	-0.03476
-0.23069	4.65E-07	-0.32759	3.82E-13	-0.02667	0.56536	-0.05701	0.21882	-0.036
0.014362	0.7569	-0.21381	3.13E-06	-0.05623	0.22518	-0.17061	0.00021	-0.01508
-0.07222	0.11908	-0.16113	0.00047	-0.00198	0.96595	-0.09223	0.04636	0.049504
0.148289	0.00131	0.023288	0.61569	0.009672	0.83488	-0.07219	0.11926	0.011473
-0.02685	0.56278	-0.1326	0.0041	0.011206	0.80916	-0.03562	0.44253	0.016099
-0.07979	0.08499	-0.00924	0.84209	0.047507	0.30562	0.047262	0.30812	0.336536
-0.01114	0.81019	-0.20683	6.59E-06	-0.02345	0.61328	-0.05551	0.23123	-0.03436
-0.00534	0.90837	-0.11225	0.01522	-0.03844	0.40722	-0.08744	0.05902	-0.02125
0.048095	0.29966	-0.22621	7.83E-07	-0.01981	0.66937	-0.13157	0.0044	-0.00228
-0.32178	1.04E-12	-0.29829	4.73E-11	0.002409	0.95859	0.007505	0.87151	0.217363
-0.05738	0.21582	-0.08103	0.08025	-0.02125	0.64688	-0.0765	0.09872	0.027429
-0.08333	0.07201	-0.14004	0.00242	0.0286	0.53755	0.085901	0.06363	0.086459
-0.06219	0.1797	-0.10703	0.0207	-0.03057	0.50996	-0.10656	0.02127	0.003768
0.250518	4.09E-08	0.029745	0.52138	-0.02891	0.53315	-0.20254	1.03E-05	-0.0296
-0.08478	0.06718	-0.10779	0.01981	0.070106	0.13033	0.043286	0.35064	0.219896
-0.07631	0.09955	-0.17891	0.0001	0.02735	0.55549	-0.03345	0.47087	0.229192
-0.03152	0.4968	0.149107	0.00123	0.005949	0.89797	0.090727	0.05006	0.025968
-0.2579	1.57E-08	-0.34348	2.23E-14	-0.0127	0.78427	0.007948	0.86398	-0.03703
-0.098	0.03424	-0.2938	9.45E-11	-0.03455	0.45632	-0.07314	0.11447	-0.0596
0.038689	0.4042	-0.12158	0.00854	0.029886	0.51941	-0.02528	0.58577	0.101388
-0.16538	0.00033	-0.38113	1.36E-17	-0.00745	0.87246	-0.12836	0.00547	0.001739
0.00937	0.83996	-0.1091	0.01836	-0.00553	0.90508	-0.08531	0.06548	-0.07283
0.093498	0.04343	0.179493	9.61E-05	0.021614	0.64131	0.036464	0.43178	0.179213
0.097412	0.03534	-0.32772	3.74E-13	-0.04004	0.388	-0.21368	3.17E-06	-0.27989
-0.09472	0.04076	-0.33196	1.78E-13	-0.06048	0.192	-0.15419	0.00083	-0.07443

0.054857	0.23673	0.014615	0.75276	-0.02872	0.53585	0.006099	0.89541	-0.02988
-0.04519	0.3298	-0.13829	0.00275	-0.04303	0.35353	-0.00813	0.86093	-0.0211
-0.06698	0.14838	-0.19077	3.33E-05	0.044852	0.33347	0.047169	0.30907	-0.01476
-0.05766	0.21361	-0.12151	0.00858	0.034587	0.45587	-0.04142	0.37176	0.000911
-0.16698	0.00029	-0.09365	0.04309	-0.02352	0.61221	-0.04011	0.38719	0.072414
0.11793	0.01075	-0.00769	0.86839	-0.00312	0.94642	-0.10045	0.02997	0.041436
0.12306	0.00776	0.006017	0.89683	0.017049	0.71326	-0.08115	0.07979	0.050078
0.002533	0.95646	-0.0538	0.24591	-0.00858	0.85333	-0.08188	0.07713	-0.03973
-0.01852	0.68976	-0.04014	0.3868	0.003463	0.94051	-0.04344	0.34895	-0.07804
0.071731	0.12163	-0.13088	0.00461	-0.03822	0.40992	-0.11568	0.01236	-0.00136
0.303777	2.00E-11	0.213886	3.10E-06	0.007448	0.87247	-0.09969	0.03125	0.082259
-0.01873	0.68642	-0.12208	0.00827	-0.04232	0.36152	-0.14778	0.00136	-0.02419
0.143113	0.00193	0.200343	1.29E-05	-0.03555	0.44345	-0.00182	0.96865	-0.01711
0.118563	0.01034	-0.0535	0.24852	-0.01593	0.73141	-0.1189	0.01012	0.001265
0.050172	0.27925	-0.17635	0.00013	-0.02876	0.53531	-0.09854	0.03326	-0.12145
-0.14358	0.00187	-0.09523	0.03968	0.077713	0.09346	0.167587	0.00028	0.21781
-0.12323	0.00768	-0.17305	0.00017	-0.02905	0.53117	-0.11203	0.01543	-0.04555
0.164741	0.00035	-0.06922	0.13529	0.026624	0.56603	-0.07807	0.09194	0.089391
-0.06336	0.17168	-0.20448	8.43E-06	0.059081	0.20251	0.117906	0.01077	0.123675
-0.30553	1.51E-11	-0.46329	3.18E-26	-0.02316	0.61759	-0.04637	0.3174	-0.1575
-0.00338	0.94191	-0.33882	5.23E-14	-0.05654	0.22261	-0.15355	0.00087	-0.10289
-0.23538	2.67E-07	-0.49092	1.07E-29	-0.05835	0.20816	-0.10367	0.02506	-0.01876
0.034825	0.45278	0.065663	0.15656	0.049128	0.28939	0.093607	0.04319	0.102128
-0.09675	0.03661	-0.34998	6.68E-15	0.075115	0.10498	0.126411	0.00623	0.313019
-0.0034	0.94161	-0.24606	7.20E-08	-0.04737	0.30705	-0.11395	0.01374	-0.11505
-0.23109	4.44E-07	-0.44486	4.46E-24	0.017226	0.71043	0.068756	0.13792	0.122071
-0.05831	0.20849	-0.29345	9.97E-11	-0.00616	0.89436	-0.04437	0.33867	0.029992
-0.12825	0.00551	-0.18838	4.19E-05	-0.00648	0.88899	0.002239	0.96151	0.01258
-0.06443	0.16448	-0.31867	1.76E-12	-0.02599	0.57526	-0.13689	0.00303	-0.01096
0.088679	0.05549	-0.16432	0.00036	-0.02828	0.54212	-0.11652	0.01174	0.034679
-0.03041	0.51206	0.232568	3.73E-07	0.02008	0.66516	0.149276	0.00121	-0.02512
-0.13707	0.00299	-0.18967	3.70E-05	-0.01708	0.71272	-0.01447	0.75514	-0.02584
-0.09032	0.05111	-0.27856	9.05E-10	-0.06003	0.19532	-0.03056	0.51007	-0.11948
0.188635	4.09E-05	0.367222	2.35E-16	0.037923	0.41357	0.087012	0.06026	0.048407
-0.22597	8.05E-07	0.077531	0.09423	0.008169	0.86025	0.150629	0.00109	0.022491
0.015552	0.73748	-0.20556	7.53E-06	-0.01389	0.76464	-0.11702	0.01138	0.005025
-0.03862	0.40507	-0.2555	2.14E-08	-0.05781	0.2124	-0.09317	0.04417	-0.07797
0.154718	0.00079	-0.18347	6.66E-05	-0.05667	0.22159	-0.16865	0.00025	-0.0865
0.218041	1.97E-06	-0.02623	0.57181	0.029176	0.52939	-0.14473	0.00171	0.067307
-0.00533	0.90859	-0.28175	5.71E-10	-0.03255	0.48279	-0.08513	0.06604	-0.01301
-0.00146	0.97482	-0.10349	0.02532	0.035633	0.44235	0.083788	0.07045	0.109768
-0.03373	0.46718	-0.15991	0.00052	0.045041	0.33143	-0.07257	0.11733	0.019844
-0.02309	0.61872	-0.20535	7.70E-06	0.057272	0.2167	-0.07942	0.08644	0.031706
-0.06942	0.13413	-0.10539	0.02274	-0.01011	0.82755	0.038013	0.41246	0.182013
-0.02022	0.66292	0.270319	2.90E-09	-0.02143	0.64411	0.139842	0.00246	-0.04542

0.08446	0.06822	0.042715	0.35704	-0.00491	0.91581	-0.09294	0.04471	0.076178
-0.04104	0.37627	-0.05609	0.22638	0.031407	0.49837	0.045111	0.33069	0.119218
-0.18859	4.11E-05	-0.31718	2.25E-12	0.014669	0.75187	0.012343	0.79022	-0.01683
-0.03374	0.46703	-0.31784	2.01E-12	-0.03674	0.42825	-0.06681	0.14942	0.005746
-0.07386	0.11094	-0.02565	0.58035	0.078943	0.08837	0.053719	0.24661	0.126129
-0.00893	0.84737	-0.21547	2.61E-06	-0.01892	0.6834	-0.11523	0.01271	-0.01985
-0.07205	0.11997	-0.08385	0.07026	0.007509	0.87143	0.16562	0.00033	-0.13268
-0.1694	0.00024	-0.22293	1.14E-06	-0.0049	0.91594	-0.05492	0.23621	0.032123
-0.15438	0.00082	-0.24353	9.87E-08	-0.02042	0.65983	0.115825	0.01225	0.096744
0.109146	0.0183	0.121006	0.00886	0.005244	0.91002	-0.0256	0.58111	0.128398
-0.08357	0.07118	-0.22515	8.85E-07	0.016181	0.72727	-0.03361	0.46874	0.104085
-0.05998	0.19568	-0.37805	2.58E-17	-0.01527	0.74205	-0.07845	0.09039	0.011699
-0.07511	0.10501	-0.17126	0.0002	0.05273	0.25543	0.016334	0.72479	0.06307
0.279853	7.51E-10	-0.03373	0.46713	-0.03542	0.44507	-0.12725	0.00589	-0.05133
0.106193	0.02172	-0.10754	0.0201	-0.02984	0.52009	-0.15971	0.00053	-0.07949
-0.04665	0.31446	-0.22194	1.27E-06	0.068248	0.14085	0.031782	0.49325	0.132776
-0.05404	0.24378	-0.13308	0.00396	0.086978	0.06036	-0.03307	0.47592	0.040885
-0.09906	0.03233	-0.1905	3.42E-05	-0.02232	0.63037	-0.0948	0.04057	-0.05241
-0.09884	0.03272	-0.22655	7.53E-07	0.007978	0.86348	-0.06915	0.13565	0.052629
-0.06781	0.14345	-0.23194	4.02E-07	0.04148	0.37112	0.037381	0.42028	0.115693
0.210264	4.58E-06	0.506053	9.76E-32	-0.02046	0.65918	0.015384	0.74021	-0.02376
-0.032	0.49027	0.274671	1.58E-09	0.042307	0.36166	0.096561	0.03698	0.045763
0.249951	4.40E-08	0.214362	2.95E-06	0.012024	0.79552	-0.03979	0.39092	0.022636
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0.014255	0.75866	-0.12268	0.00795	-0.01031	0.82412	-0.10543	0.02269	0.035535
0.026559	0.56698	-0.38784	3.27E-18	-0.01432	0.75761	-0.15992	0.00052	-0.04847
0.135559	0.00333	0.072891	0.1157	-0.0546	0.23894	-0.15222	0.00097	0.020731
-0.12931	0.00513	-0.1791	9.96E-05	0.089429	0.05345	0.053083	0.25227	0.249233
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0.102704	0.02646	0.416347	5.27E-21	0.053411	0.24934	0.066767	0.1497	0.114107
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-0.24595	7.30E-08	-0.07026	0.12948	0.004739	0.91865	0.085535	0.06477	-0.06765
-0.01819	0.69504	-0.18922	3.87E-05	-0.04865	0.29407	-0.14074	0.0023	-0.01988
-0.07255	0.1174	-0.18376	6.48E-05	-0.00951	0.83752	-0.11444	0.01334	0.045928
-0.05916	0.20188	-0.22053	1.49E-06	0.076648	0.09805	0.04609	0.32028	0.066982
0.003173	0.94548	-0.00249	0.95726	0.038347	0.40836	0.025448	0.58332	0.164568
0.069424	0.13412	-0.11942	0.00979	-0.04523	0.32936	-0.15782	0.00062	-0.0001
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0.077285	0.09528	0.126017	0.00639	-0.02106	0.64985	-0.05066	0.27464	0.074237
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-0.19788	1.65E-05	-0.33663	7.76E-14	0.038504	0.40645	0.048395	0.29665	0.198653
-0.01238	0.78954	-0.20683	6.59E-06	-0.00124	0.97862	-0.02961	0.52334	-0.01302
-0.07827	0.09111	-0.53257	1.44E-35	-0.01984	0.66889	-0.12356	0.00751	-0.03488
-0.1193	0.00987	-0.2409	1.37E-07	-0.00387	0.93358	-0.05501	0.23545	0.004026
-0.02165	0.6408	-0.1598	0.00053	-0.00798	0.86337	-0.10117	0.02882	0.021432

-0.12672	0.0061	-0.27482	1.54E-09	-0.02856	0.53816	-0.03374	0.46703	-0.02598
0.106271	0.02163	-0.09491	0.04035	0.026572	0.56679	-0.01816	0.69542	-0.03438
0.089885	0.05224	-0.09643	0.03724	-0.027	0.5605	-0.13368	0.0038	0.051786
-0.00616	0.89443	-0.23791	1.97E-07	-0.01905	0.6813	-0.10302	0.026	0.048252
0.045892	0.32237	0.365629	3.23E-16	-0.00965	0.83521	0.009436	0.83884	-0.03133
-0.21971	1.63E-06	-0.43425	6.71E-23	-0.05064	0.27481	-0.08217	0.07606	0.046575
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-0.04669	0.31398	-0.22384	1.03E-06	0.005547	0.90484	-0.06588	0.15523	0.001668
-0.04566	0.32484	-0.16477	0.00035	-0.00166	0.97145	-0.07824	0.09125	0.067192
-0.14955	0.00119	-0.18966	3.71E-05	-0.00296	0.94914	-0.03069	0.50821	0.036755
0.046495	0.31604	-0.08127	0.07937	0.019497	0.6743	-0.08362	0.071	0.017856
0.067019	0.14816	-0.18983	3.64E-05	-0.02223	0.63188	0.039882	0.38985	-0.02457
0.045551	0.32599	0.020035	0.66585	0.009915	0.83079	0.092256	0.04631	0.044521
-0.06641	0.15187	-0.39851	3.17E-19	-0.00221	0.96198	-0.13221	0.00421	-0.07712
0.029482	0.52508	0.22743	6.80E-07	0.042006	0.36508	0.089572	0.05307	0.1196
0.082301	0.0756	-0.30485	1.68E-11	-0.08212	0.07625	-0.24347	9.95E-08	-0.12973
0.034095	0.46232	-0.13494	0.00348	-0.04581	0.32321	-0.16261	0.00042	-0.01513
0.345079	1.66E-14	0.072639	0.11697	-0.05228	0.25951	-0.12259	0.008	-0.0455
0.131693	0.00436	-0.06678	0.14963	-0.01246	0.78829	-0.13005	0.00488	0.003033
0.030032	0.51737	-0.11882	0.01017	-0.0008	0.98633	-0.02366	0.61006	-0.0758
-0.12413	0.00724	0.122607	0.00799	0.000954	0.9836	0.099733	0.03117	-0.05361
-0.02632	0.57047	-0.04659	0.31504	0.017052	0.71322	0.046917	0.31167	0.047988
-0.01748	0.70631	-0.14168	0.00215	0.039322	0.39655	-0.10771	0.0199	0.139763
-0.15132	0.00104	-0.20155	1.14E-05	0.062799	0.17548	0.097335	0.03549	0.416483
0.078552	0.08996	-0.07979	0.085	-0.01776	0.7019	-0.13051	0.00473	0.017338
-0.04075	0.37956	-0.13824	0.00276	0.003036	0.94782	-0.09938	0.03179	0.030878
-0.14827	0.00131	-0.21216	3.74E-06	0.015305	0.7415	0.00831	0.85785	0.021242
-0.10467	0.0237	-0.05018	0.27918	0.05776	0.2128	0.013016	0.77906	-0.07864
-0.05901	0.20306	-0.274	1.73E-09	-0.04938	0.28688	-0.06094	0.18864	-0.06779
-0.05731	0.21643	-0.0704	0.1287	0.065454	0.15789	0.08748	0.05889	0.144431
0.297427	5.41E-11	0.488922	1.96E-29	0.0314	0.49846	0.035652	0.44212	0.205876
0.001576	0.97291	-0.07496	0.10569	-0.02011	0.66472	-0.08537	0.0653	0.025132
-0.19746	1.72E-05	-0.26934	3.33E-09	-0.01589	0.73202	-0.08631	0.06238	-0.01399
-0.01658	0.72087	0.01414	0.76055	0.001281	0.97797	-0.0585	0.20695	0.124684
0.032165	0.48805	0.276043	1.30E-09	-0.01433	0.75749	0.082107	0.0763	-0.05387
0.074597	0.1074	0.336228	8.34E-14	0.060244	0.19375	0.152448	0.00095	0.081346
-0.01957	0.67317	0.159655	0.00053	0.038739	0.40359	0.209125	5.17E-06	-0.00353
-0.03517	0.44826	-0.21264	3.55E-06	-0.04989	0.282	-0.13716	0.00298	-0.05795
-0.06595	0.15477	-0.15445	0.00081	-0.03716	0.42302	-0.12164	0.0085	-0.05975
0.428343	2.92E-22	0.405814	6.10E-20	-0.03464	0.45516	0.014771	0.75021	-0.07597
0.218315	1.91E-06	0.225094	8.90E-07	-0.02528	0.58579	-0.21901	1.77E-06	-0.0557
0.054634	0.23865	0.097238	0.03567	-0.03076	0.50731	0.001787	0.96927	-0.04887
-0.10846	0.01905	-0.18002	9.16E-05	0.055803	0.22874	0.133041	0.00397	0.016897
-0.09938	0.03178	0.093132	0.04426	-0.0179	0.69962	0.058371	0.20799	0.019134
-0.01336	0.77337	0.212624	3.56E-06	0.001537	0.97357	0.04486	0.33338	0.064855

-0.22273	1.17E-06	-0.18396	6.36E-05	0.02444	0.59832	0.072088	0.11978	0.044554
0.22483	9.17E-07	-0.00637	0.89081	-0.04231	0.36162	-0.14513	0.00166	-0.04479
0.067065	0.14789	-0.05773	0.21303	-0.02978	0.52084	-0.15059	0.0011	-0.0334
0.033188	0.47432	-0.04059	0.38145	-0.03624	0.43458	-0.10664	0.02117	0.063716
-0.02049	0.65871	-0.18527	5.63E-05	-0.02121	0.6476	-0.06802	0.1422	-0.08723
0.063556	0.17032	-0.07188	0.12087	-0.00423	0.92742	0.057234	0.21701	-0.02814
0.041327	0.37289	0.088292	0.05657	0.083744	0.0706	0.028495	0.53905	0.122946
-0.00114	0.98032	-0.21481	2.81E-06	-0.06084	0.18936	-0.16509	0.00034	0.027741
-0.07465	0.10713	-0.215	2.75E-06	-0.03908	0.39945	-0.12747	0.00581	-0.04189
-0.16772	0.00027	-0.22538	8.62E-07	-0.03477	0.45345	-0.09176	0.0475	-0.0416
-0.11274	0.01478	-0.21118	4.16E-06	-0.03826	0.40944	-0.0828	0.07385	0.015484
-0.14961	0.00118	-0.38513	5.84E-18	-0.04102	0.37645	-0.12754	0.00578	-0.0757
0.013772	0.7666	-0.15473	0.00079	-0.03986	0.39011	-0.10522	0.02296	-0.06409
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0.127287	0.00588	0.063746	0.16905	0.049787	0.28296	0.037029	0.42468	0.042227
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0.02737	0.55519	-0.02139	0.6447	0.009358	0.84016	-0.07358	0.11228	0.043531
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0.043491	0.34836	-0.26755	4.26E-09	-0.00716	0.87734	-0.07721	0.09562	-0.02682
0.034445	0.45773	-0.06779	0.14355	0.01685	0.71647	-0.00216	0.96282	0.005051
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0.106114	0.02182	0.076139	0.10031	0.011808	0.79911	-0.04636	0.31749	0.066719
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0.094055	0.04219	0.037711	0.4162	0.050345	0.2776	0.211849	3.87E-06	0.13042
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0.087649	0.0584	0.145085	0.00167	0.050834	0.27295	0.032687	0.48102	0.144704
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-0.00756	0.87058	-0.27372	1.80E-09	-0.01607	0.72911	-0.00686	0.8825	-0.00267
0.195025	2.20E-05	0.371777	9.37E-17	0.077298	0.09523	0.09589	0.03832	0.215668

0.092498	0.04574	0.234981	2.80E-07	0.00397	0.93182	0.026509	0.56771	0.014173
-0.07927	0.08704	-0.27289	2.03E-09	0.016517	0.72184	-0.08572	0.06419	-0.00266
0.189933	3.61E-05	0.153203	0.0009	0.079635	0.08561	0.09873	0.03292	0.312355
-0.02072	0.65516	-0.02951	0.52467	-0.01625	0.72613	-0.06844	0.13971	-0.03002
-0.09222	0.04638	-0.42609	5.06E-22	-0.0282	0.54325	-0.13009	0.00487	-0.07721
0.085612	0.06453	-0.2666	4.86E-09	-0.03056	0.51004	-0.10711	0.02061	-0.06063
-0.08164	0.07798	-0.14814	0.00133	0.042382	0.3608	0.051365	0.26796	0.153937
-0.01701	0.71393	0.094916	0.04034	0.065717	0.15623	0.074508	0.10783	0.299482
-0.13689	0.00304	-0.15708	0.00066	0.047802	0.30262	0.03626	0.43436	0.165841
0.001534	0.97362	-0.08768	0.05831	-0.00398	0.93168	-0.09229	0.04622	0.060429
0.049953	0.28136	-0.09696	0.0362	-0.01072	0.81722	-0.09555	0.039	-0.01398
-0.17842	0.00011	-0.29836	4.68E-11	-0.02848	0.5392	-0.07523	0.10442	-0.05069
-0.00884	0.84892	-0.25364	2.73E-08	-0.01911	0.68035	-0.07996	0.08433	-0.05099
0.064567	0.16361	-0.00986	0.83173	0.009716	0.83414	-0.0669	0.14887	0.122064
-0.05572	0.22941	-0.22077	1.45E-06	0.089019	0.05456	0.07136	0.12357	0.280488
-0.05977	0.19729	-0.18009	9.10E-05	0.007224	0.87628	-0.03335	0.47217	-0.03474
-0.14162	0.00216	-0.19726	1.76E-05	0.087803	0.05796	0.16583	0.00032	0.209862
0.036543	0.43079	-0.12264	0.00797	-0.0137	0.76786	-0.10121	0.02876	0.005182
0.108262	0.01927	-0.11899	0.01006	-0.0607	0.19037	-0.13737	0.00293	-0.09304
-0.10995	0.01746	-0.35382	3.22E-15	-0.05517	0.23406	-0.11546	0.01253	-0.14452
0.114507	0.01328	0.006683	0.88547	-0.00656	0.88753	0.073674	0.11184	-0.12268
0.05907	0.20259	-0.11112	0.01629	-0.06994	0.13124	-0.16169	0.00045	-0.05432
-0.16886	0.00025	-0.28724	2.54E-10	-0.04898	0.29086	-0.03156	0.49624	0.013201
-0.04789	0.30175	-0.21796	1.99E-06	-0.01472	0.75101	-0.08689	0.06061	-0.01809
-0.04347	0.34855	-0.1192	0.00993	0.016573	0.72094	0.022695	0.6247	0.164872
-0.08514	0.06601	-0.41384	9.51E-21	-0.0137	0.76772	-0.07163	0.12217	-0.01711
-0.0259	0.57666	-0.23708	2.18E-07	-0.00879	0.84975	-0.07037	0.12891	-0.03063
-0.08342	0.0717	-0.47046	4.29E-27	-0.04331	0.35042	-0.1723	0.00018	-0.08049
-0.04488	0.33314	-0.35617	2.05E-15	-0.01539	0.74017	-0.08362	0.07102	-0.01062
0.154297	0.00082	-0.30026	3.48E-11	-0.02527	0.58591	-0.17522	0.00014	-0.09308
0.016566	0.72104	-0.18091	8.45E-05	-0.04445	0.33784	-0.12815	0.00555	-0.0206
0.020117	0.66457	-0.21621	2.41E-06	-0.05426	0.24188	-0.15905	0.00056	-0.13704
0.197822	1.66E-05	0.11915	0.00996	0.117544	0.01102	0.095654	0.0388	0.320865
0.005358	0.90807	0.12872	0.00534	0.009473	0.83822	-0.09333	0.04381	0.097776
0.071887	0.12082	0.173474	0.00016	0.017105	0.71237	0.053799	0.24592	0.106511
0.300778	3.21E-11	0.126072	0.00637	0.066212	0.15312	0.02108	0.64956	0.229138
-0.07771	0.09346	-0.27588	1.33E-09	0.025965	0.57568	-0.13486	0.0035	-0.09068
0.200151	1.31E-05	0.11005	0.01736	0.086573	0.06157	0.07917	0.08746	0.331308
0.020273	0.66212	0.208302	5.64E-06	-0.01089	0.81443	0.13084	0.00462	-0.14533
-0.01944	0.67514	-0.38867	2.73E-18	0.014524	0.75425	-0.06709	0.14772	0.048402
-0.01922	0.67874	-0.2716	2.43E-09	-0.04156	0.37024	-0.12299	0.00779	-0.01283
0.023208	0.6169	-0.11757	0.011	-0.00271	0.95336	-0.1272	0.00591	0.055872
-0.05776	0.21279	-0.50599	9.96E-32	-0.04931	0.28763	-0.21744	2.10E-06	-0.16193
0.312512	4.88E-12	-0.10999	0.01742	-0.03788	0.41415	-0.15271	0.00093	-0.06259
-0.03246	0.4841	-0.26632	5.04E-09	-0.07748	0.09445	-0.05296	0.25335	-0.14865

-0.23321	3.46E-07	-0.12474	0.00696	0.002477	0.95742	0.076403	0.09913	-0.0717
0.25389	2.65E-08	0.143917	0.00182	0.002933	0.9496	0.003278	0.94367	0.07617
-0.15261	0.00094	-0.0451	0.33075	0.055787	0.22887	0.077298	0.09523	0.249681
0.0495	0.28575	0.284025	4.09E-10	0.038023	0.41234	0.049212	0.28856	0.151378
-0.22284	1.15E-06	-0.30327	2.17E-11	-0.00704	0.87948	0.001251	0.97849	0.047664
0.014613	0.75279	-0.14399	0.00181	0.037766	0.41551	-0.09408	0.04215	-0.01436
-0.0533	0.25032	-0.14111	0.00224	0.00262	0.95496	-0.07296	0.11538	-0.03187
-0.01017	0.8265	-0.07699	0.09654	-0.03769	0.41647	-0.08372	0.07069	-0.01846
0.390836	1.71E-18	0.437147	3.23E-23	0.032171	0.48797	0.016294	0.72545	0.136108
0.132866	0.00402	0.099022	0.0324	0.078909	0.08851	-0.08396	0.06988	0.142132
-0.14457	0.00173	0.048269	0.29792	0.014261	0.75856	0.106992	0.02075	0.020307
-0.17806	0.00011	-0.21781	2.02E-06	0.011842	0.79854	0.040126	0.38695	0.060007
0.065412	0.15816	-0.03768	0.4166	0.010892	0.81439	-0.09894	0.03255	0.056512
-0.1494	0.0012	-0.37026	1.27E-16	-0.0367	0.42885	-0.08952	0.05321	-0.07425
-0.01167	0.80141	-0.28603	3.04E-10	-0.03657	0.43039	-0.1172	0.01125	-0.0048
-0.16599	0.00032	-0.21252	3.60E-06	-0.00441	0.92423	0.005843	0.89978	0.020518
0.032705	0.48078	-0.10298	0.02606	-0.01793	0.69921	-0.1219	0.00836	0.026449
-0.17565	0.00014	-0.08364	0.07096	0.003903	0.93297	0.067205	0.14704	0.041817
0.323859	7.28E-13	0.188241	4.25E-05	-0.02711	0.55897	-0.14199	0.0021	-0.0426
-0.10204	0.02746	-0.14747	0.00139	-0.00187	0.96779	-0.05577	0.22903	0.061178
-0.20318	9.63E-06	-0.48099	2.07E-28	-0.0521	0.26116	-0.07353	0.11256	-0.15361
-0.08997	0.05202	-0.22622	7.82E-07	-0.03593	0.43856	-0.06157	0.18409	-0.01742
0.215872	2.50E-06	0.171077	0.0002	-0.02827	0.54229	-0.05375	0.24636	-0.09099
-0.01206	0.79498	0.049008	0.29057	0.033628	0.46847	0.060351	0.19296	0.242636
-0.06461	0.16336	-0.23543	2.65E-07	-0.00426	0.92686	0.003115	0.94647	0.055427
-0.06341	0.17131	-0.23413	3.10E-07	-0.05855	0.20661	-0.14069	0.00231	-0.18212
0.006911	0.88159	-0.03577	0.44064	-0.01438	0.7566	-0.13203	0.00426	0.007159
-0.14749	0.00139	-0.05501	0.23542	-0.0054	0.90728	0.067708	0.14404	-0.0761
-0.10597	0.022	-0.09992	0.03086	0.031781	0.49327	0.110367	0.01703	0.128036
-0.13946	0.00252	-0.02126	0.6468	0.024238	0.60135	0.101543	0.02822	0.028754
0.186839	4.85E-05	0.02595	0.57591	0.045793	0.32341	-0.00745	0.87239	0.280689
0.00911	0.84434	0.01706	0.7131	0.001983	0.9659	-0.07671	0.0978	0.098591
0.081613	0.07809	-0.0157	0.73513	0.105944	0.02203	0.076396	0.09917	0.357584
-0.09254	0.04565	0.073658	0.11191	0.012099	0.79427	0.074432	0.10819	-0.1255
-0.07062	0.12753	-0.19985	1.35E-05	0.071362	0.12357	0.025096	0.58854	0.182999
-0.17698	0.00012	-0.24815	5.53E-08	0.026018	0.5749	-0.03756	0.41806	0.035384
0.036425	0.43228	-0.16824	0.00026	0.007251	0.87582	-0.1309	0.00461	-0.00857
0.066623	0.15058	-0.12416	0.00722	-0.02446	0.59803	-0.02984	0.52007	0.037131
0.030606	0.50939	-0.1912	3.19E-05	-0.00354	0.93923	-0.02834	0.5412	-0.00177
-0.04406	0.3421	-0.27855	9.07E-10	-0.0595	0.19933	-0.08887	0.05496	-0.15163
-0.01304	0.77864	0.242102	1.18E-07	0.020979	0.65113	0.091501	0.04813	0.150716
-0.04189	0.36641	-0.04984	0.2824	-0.01567	0.73555	-0.01224	0.7919	-0.12188
-0.08768	0.0583	-0.18166	7.88E-05	0.010571	0.81978	0.010744	0.81688	0.131389
-0.26417	6.76E-09	-0.41947	2.51E-21	0.015074	0.74526	-0.01292	0.78065	-0.00467
-0.19997	1.34E-05	-0.30797	1.02E-11	0.106645	0.02117	0.10441	0.02404	0.166348

0.155898	0.00072	0.24061	1.42E-07	0.05847	0.20723	0.163982	0.00037	0.005343
0.024257	0.60106	-0.08303	0.07305	-0.02122	0.64732	-0.07274	0.11645	-0.0237
0.015526	0.7379	-0.12013	0.00936	-0.05343	0.24916	-0.12578	0.0065	-0.04888
-0.00599	0.89725	-0.00759	0.86998	-0.00204	0.96495	-0.06487	0.16162	0.075715
-0.05213	0.26088	-0.12076	0.00899	0.020284	0.66195	-0.07021	0.12975	0.035048
-0.08445	0.06824	0.026335	0.57025	-0.00109	0.98134	-0.00159	0.97264	0.150276
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0.033473	0.47053	0.233972	3.16E-07	-0.01813	0.69601	-0.05278	0.255	0.023252
0.077781	0.09317	0.129467	0.00508	0.005368	0.90789	0.041951	0.36571	-0.02385
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0.228358	6.11E-07	-0.06068	0.19054	-0.02568	0.57982	-0.06333	0.17184	0.010643
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-0.01954	0.67362	-0.14258	0.00201	0.036024	0.43737	0.010048	0.82854	0.261993
0.073701	0.1117	0.088884	0.05493	-0.027	0.56061	-0.03664	0.42961	-0.09262
0.08203	0.07657	0.065503	0.15758	-0.03675	0.42814	-0.05197	0.26233	0.002397
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0.131397	0.00445	-0.02854	0.53834	-0.03405	0.46287	-0.09018	0.05146	0.024734
0.261643	9.51E-09	-0.12268	0.00795	-0.03487	0.45226	-0.08314	0.07264	0.045619
-0.10868	0.01881	-0.21195	3.82E-06	-0.00901	0.84595	-0.09225	0.04632	-0.02543
0.020126	0.66443	-0.02547	0.583	-0.02547	0.58296	-0.13503	0.00346	-0.0761
0.011326	0.80714	-0.03241	0.48475	-0.02576	0.57873	-0.05676	0.22088	0.009933
-0.10693	0.02082	-0.1939	2.45E-05	0.071677	0.12191	0.11545	0.01254	0.115723
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0.041082	0.37573	-0.11602	0.01211	-0.0209	0.65231	-0.1037	0.02503	-0.01446
0.021269	0.64663	0.23122	4.37E-07	0.099785	0.03109	0.190199	3.52E-05	0.238725
-0.05515	0.23427	-0.11591	0.01219	-0.03197	0.49073	-0.1103	0.0171	-0.02428
-0.03522	0.4477	-0.26966	3.19E-09	-0.04451	0.33722	-0.16783	0.00027	-0.12361
0.080838	0.08097	-0.01094	0.81363	-0.00136	0.97663	-0.07824	0.09127	0.054619
-0.07118	0.12451	-0.13632	0.00316	-0.03385	0.4655	-0.12359	0.0075	-0.05497
-0.14179	0.00213	-0.36091	8.19E-16	0.012331	0.79042	-0.05433	0.24127	0.044625
0.025678	0.57991	-0.0823	0.07559	-0.01185	0.79836	-0.01989	0.6681	0.01047
0.150587	0.0011	-0.17546	0.00014	-0.06953	0.13352	-0.23398	3.16E-07	-0.01573
0.012752	0.78344	-0.30229	2.53E-11	-0.03556	0.4433	-0.13602	0.00323	-0.04108
-0.07883	0.08883	-0.27596	1.31E-09	-0.00822	0.85946	-0.0931	0.04435	0.005233
-0.19185	3.00E-05	-0.46327	3.20E-26	0.005022	0.9138	-0.03562	0.44253	-0.01579
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0.132698	0.00407	-0.03872	0.40383	0.007926	0.86436	0.015207	0.74309	-0.0438
0.064831	0.1619	-0.19227	2.88E-05	-0.06143	0.18512	-0.19328	2.61E-05	-0.10394
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0.095949	0.0382	0.004517	0.92245	-0.01743	0.70719	-0.12621	0.00631	-0.03485
-0.08307	0.07291	-0.18269	7.16E-05	-0.02106	0.64985	-0.06657	0.15088	-0.07719
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0.023784	0.60819	-0.2597	1.23E-08	-0.02819	0.54343	0.003037	0.94781	-0.03659
0.18946	3.78E-05	0.430027	1.92E-22	0.062982	0.17422	0.166395	0.0003	0.09364
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-0.15546	0.00075	-0.30943	8.07E-12	-0.01559	0.73689	-0.02853	0.53853	0.016313
0.000532	0.99085	-0.48271	1.25E-28	-0.01208	0.79458	-0.07929	0.08699	-0.19206
0.073776	0.11134	-0.02202	0.63499	-0.0096	0.836	-0.08135	0.07907	0.071711
0.211236	4.13E-06	0.019923	0.66761	0.050094	0.28	-0.0634	0.17138	0.10475
0.365383	3.39E-16	0.309845	7.54E-12	-0.02658	0.56663	-0.06601	0.15441	0.074833
-0.20194	1.09E-05	-0.42942	2.24E-22	0.054117	0.24313	0.033157	0.47473	0.022481
-0.14751	0.00139	-0.37134	1.02E-16	-0.04746	0.30607	-0.17281	0.00017	-0.0688
0.002026	0.96517	-0.13922	0.00257	-0.04677	0.3132	-0.07538	0.10376	-0.12717
-0.04994	0.28144	-0.09683	0.03646	-0.00334	0.94266	-0.05723	0.21706	0.020572
-0.1028	0.02633	-0.11699	0.0114	-0.01637	0.72429	-0.0313	0.49981	0.040007
0.016032	0.72969	-0.10486	0.02344	-0.01025	0.82511	-0.05998	0.19569	0.094063
0.114618	0.0132	0.441527	1.06E-23	0.04266	0.35766	0.054503	0.23978	-0.09473
-0.18434	6.14E-05	-0.27596	1.31E-09	0.033062	0.476	0.071675	0.12192	0.203464
-0.26622	5.11E-09	0.044611	0.33608	-0.01705	0.71324	0.022024	0.63498	-0.08503
-0.18708	4.74E-05	-0.44476	4.57E-24	-0.0215	0.643	-0.06997	0.13107	-0.02757
0.025636	0.58053	-0.02849	0.53914	-0.01756	0.70505	-0.03719	0.42267	-0.01052
-0.17702	0.00012	-0.29788	5.04E-11	-0.04031	0.3848	-0.1241	0.00725	-0.05371
0.286259	2.94E-10	0.099808	0.03105	-0.03	0.51781	-0.12875	0.00533	0.042866
0.121731	0.00845	-0.1698	0.00023	0.037081	0.42403	-0.05533	0.23268	0.047469
-0.0211	0.64932	-0.13041	0.00476	0.043653	0.34657	-0.00297	0.94905	0.129067
-0.0965	0.03709	-0.18632	5.10E-05	0.012589	0.78614	-0.04125	0.37373	0.151339
-0.13274	0.00406	-0.18949	3.77E-05	0.049861	0.28225	0.111325	0.01609	0.175364
0.257473	1.66E-08	0.143188	0.00192	0.006027	0.89665	-0.0399	0.38969	-0.10861
-0.06698	0.14843	-0.18702	4.77E-05	-0.02462	0.5957	-0.14113	0.00224	-0.03578
-0.02107	0.64969	-0.3505	6.05E-15	-0.0164	0.72366	-0.13362	0.00382	-0.10899
-0.25243	3.20E-08	-0.36947	1.49E-16	-0.01682	0.71688	-0.07556	0.10293	-7.38E-05
-0.01466	0.75203	-0.22686	7.27E-07	0.007831	0.86597	-0.06022	0.19396	0.039117
0.015404	0.73988	-0.36397	4.49E-16	-0.01083	0.81546	-0.11298	0.01457	-0.03209
-0.16563	0.00032	-0.44006	1.54E-23	-0.09482	0.04053	-0.24769	5.86E-08	-0.10821
0.122474	0.00806	-0.0868	0.06088	0.01505	0.74565	-0.11738	0.01113	0.122693
0.088204	0.05682	-0.12232	0.00814	0.047673	0.30393	-0.05124	0.26917	0.058048
0.038936	0.4012	0.073097	0.11468	0.003623	0.93776	-0.04459	0.33632	0.093046
-0.01544	0.73924	-0.40049	2.03E-19	-0.0331	0.47545	-0.18258	7.24E-05	-0.04985
-0.08284	0.0737	-0.16007	0.00052	-0.00012	0.99792	-0.12127	0.00871	-0.03066
-0.0386	0.40525	-0.51016	2.62E-32	-0.0628	0.17549	-0.19934	1.43E-05	-0.24649
0.188394	4.18E-05	-0.09953	0.03152	-0.01725	0.71005	-0.18146	8.02E-05	0.079792
0.173624	0.00016	0.030043	0.51721	0.045202	0.32971	-0.00551	0.90548	0.066126
0.04016	0.38655	-0.17664	0.00012	0.007125	0.87796	-0.10512	0.0231	-0.02959
-0.03265	0.48147	-0.18164	7.89E-05	-0.00422	0.92746	-0.07399	0.11028	-0.02791
0.060127	0.19461	-0.15427	0.00082	0.017802	0.7012	-0.05603	0.22688	0.100429
0.090453	0.05076	0.041262	0.37364	-0.04781	0.3025	-0.18335	6.73E-05	-0.01117
-0.04918	0.28891	-0.14596	0.00156	-0.04567	0.32473	-0.04362	0.34691	-0.23106
-0.08948	0.05333	-0.41241	1.33E-20	-0.04081	0.37888	-0.1926	2.79E-05	-0.15869
0.103234	0.02569	-0.11291	0.01464	-0.06181	0.18242	-0.1308	0.00464	-0.20348
-0.08061	0.08184	0.034847	0.4525	-0.03306	0.47603	0.032591	0.48231	0.030744

0.257743	1.60E-08	0.262696	8.25E-09	-0.00356	0.93884	0.048482	0.29579	0.018493
-0.02785	0.54822	-0.11399	0.01371	-0.01661	0.72028	0.006942	0.88107	0.015083
0.13498	0.00347	0.115598	0.01243	-0.00245	0.95794	-0.10051	0.02988	0.116373
-0.15931	0.00055	-0.14028	0.00238	0.093048	0.04446	0.225142	8.85E-07	0.3099
-0.05809	0.21022	-0.18656	4.98E-05	-0.00571	0.90199	-0.12415	0.00723	0.006182
-0.03266	0.48138	-0.06684	0.14923	-0.03049	0.51096	-0.03839	0.40779	-0.03204
0.198794	1.51E-05	0.520396	9.11E-34	0.075235	0.10442	0.067902	0.14288	0.189665
-0.23271	3.67E-07	-0.20673	6.66E-06	-0.01581	0.73336	-0.01673	0.7184	0.045932
-0.05125	0.26906	-0.1984	1.57E-05	0.002584	0.95559	-0.13021	0.00483	-0.01667
-0.23985	1.55E-07	-0.41722	4.28E-21	0.023298	0.61553	-0.00485	0.91683	0.094011
-0.02231	0.63057	-0.22819	6.23E-07	0.013031	0.77882	0.013204	0.77597	-0.0864
-0.03592	0.43874	-0.24946	4.68E-08	0.02062	0.65671	-0.10573	0.02231	0.082652
-0.10743	0.02023	-0.37725	3.05E-17	-0.03427	0.46001	-0.14965	0.00118	-0.03193
0.328505	3.26E-13	0.098633	0.03309	-0.06074	0.19013	-0.12541	0.00666	-0.02577
-0.03079	0.50681	-0.17722	0.00012	-0.00368	0.93681	-0.06331	0.17202	0.052114
-0.09221	0.04642	-0.41669	4.87E-21	-0.04379	0.34501	-0.19298	2.68E-05	-0.07032
-0.00622	0.89342	-0.13139	0.00445	0.015321	0.74124	-0.02786	0.54817	0.256821
-0.10674	0.02105	-0.51988	1.08E-33	-0.01766	0.70353	-0.09246	0.04582	-0.10126
-0.08158	0.07819	-0.12588	0.00645	0.022335	0.63021	-0.03027	0.51405	0.154671
0.120521	0.00913	0.448464	1.74E-24	0.026822	0.56314	0.09243	0.0459	0.048808
0.133851	0.00376	-0.02926	0.52816	-0.03856	0.40576	-0.15005	0.00114	-0.01848
-0.05314	0.25173	-0.11546	0.01254	-0.02278	0.62338	-0.06622	0.15305	0.067475
-0.03601	0.4376	-0.1569	0.00067	0.038012	0.41248	-0.06489	0.16154	0.110798
-0.09305	0.04446	-0.06282	0.17536	0.073528	0.11255	0.058009	0.21083	0.194093
0.074497	0.10788	0.161657	0.00045	0.068199	0.14114	0.009446	0.83867	0.264478
0.082342	0.07546	-0.08454	0.06796	-0.02007	0.66525	-0.12571	0.00653	-0.02113
-0.06455	0.1637	-0.0047	0.91931	0.012724	0.7839	-0.06225	0.17933	0.202491
-0.10739	0.02028	-0.23813	1.92E-07	0.04275	0.35664	-0.02666	0.56555	0.076572
-0.00969	0.83462	-0.13633	0.00316	-0.01102	0.81234	-0.08992	0.05214	-0.00803
0.023028	0.61964	0.170641	0.00021	0.037238	0.42207	0.140042	0.00242	0.000297
0.098123	0.03402	-0.14162	0.00216	-0.02787	0.54799	-0.10971	0.0177	-0.00613
-0.05192	0.26281	0.037386	0.42022	0.092103	0.04667	0.223604	1.05E-06	0.205937
0.002837	0.95124	0.009021	0.84585	-0.04096	0.37714	-0.07158	0.12243	0.038293
0.069329	0.13466	-0.17298	0.00017	-0.05281	0.25476	-0.15138	0.00103	-0.00981
-0.0792	0.08734	-0.20254	1.03E-05	-0.00533	0.90853	-0.08174	0.07763	-0.03587
-0.13131	0.00448	-0.14087	0.00228	0.043762	0.34536	0.09271	0.04524	0.005336
-0.05295	0.25345	-0.2481	5.56E-08	0.051393	0.2677	-0.09355	0.04332	0.253086
-0.16089	0.00048	-0.19812	1.61E-05	0.073133	0.1145	0.319713	1.47E-12	-0.10845
0.021806	0.63833	-0.14313	0.00193	0.067382	0.14598	-0.06706	0.1479	0.166863
0.199898	1.35E-05	0.353384	3.50E-15	-0.02548	0.58284	-0.05371	0.2467	-0.05348
0.153861	0.00085	0.191039	3.24E-05	0.017035	0.71349	-0.0697	0.13256	0.121822
0.187725	4.46E-05	0.160038	0.00052	-0.00288	0.95055	-0.1077	0.01991	0.019356
-0.22178	1.30E-06	-0.47742	5.83E-28	0.030844	0.5061	0.04413	0.34132	-0.00784
-0.27522	1.46E-09	-0.34656	1.26E-14	-0.01152	0.80385	-0.04011	0.38717	0.039086
0.006694	0.88529	-0.17483	0.00015	-0.03344	0.47099	-0.15086	0.00107	-0.02557

0.060996	0.18823	0.279774	7.60E-10	-0.05451	0.23972	-0.0256	0.58101	-0.13012
-0.01428	0.75828	-0.16972	0.00023	-0.05432	0.24137	-0.14198	0.0021	-0.02422
0.021409	0.64446	-0.31858	1.78E-12	-0.02529	0.58566	-0.08376	0.07055	-0.06557
0.048752	0.2931	0.307527	1.10E-11	0.028258	0.54242	0.069052	0.13622	0.169615
-0.03789	0.41393	-0.45587	2.42E-25	-0.05444	0.24034	-0.20269	1.01E-05	-0.24908
-0.13058	0.00471	-0.18047	8.79E-05	0.027467	0.55379	0.012482	0.78791	0.048102
-0.03886	0.40215	-0.40166	1.56E-19	0.026218	0.57197	-0.05086	0.27268	-0.02085
-0.06744	0.14563	-0.1937	2.50E-05	0.015128	0.74437	0.019538	0.67367	0.010376
0.226729	7.38E-07	0.473455	1.83E-27	0.025582	0.58133	0.091211	0.04885	0.108917
0.271868	2.34E-09	0.060139	0.19452	0.003421	0.94122	-0.05162	0.26558	0.019073
0.119867	0.00952	0.232341	3.83E-07	0.135525	0.00334	0.048588	0.29473	0.404403
0.167505	0.00028	0.169435	0.00023	-0.01479	0.74995	-0.10054	0.02982	-0.04582
0.05984	0.19675	0.067404	0.14584	-0.01292	0.78058	-0.10562	0.02244	-0.15936
-0.17736	0.00012	-0.40169	1.55E-19	-0.03763	0.41722	-0.10961	0.01781	-0.11899
0.079559	0.08591	0.214038	3.05E-06	-0.04618	0.31939	-0.07201	0.12017	6.99E-05
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0.042438	0.36016	0.03745	0.41942	0.10383	0.02484	0.067071	0.14785	0.303256
-0.14429	0.00177	-0.1348	0.00352	-0.01841	0.69157	-0.04093	0.37756	-0.09556
0.005102	0.91245	-0.10345	0.02538	0.112953	0.0146	0.139097	0.00259	0.165161
-0.00536	0.90797	-0.03507	0.4496	0.111116	0.01629	0.203408	9.41E-06	0.172037
-0.02178	0.63881	-0.15871	0.00058	0.063459	0.17098	0.034206	0.46086	0.073874
0.059586	0.19867	0.032199	0.48759	0.044578	0.33643	0.058972	0.20334	0.142781
-0.0308	0.50675	-0.2262	7.84E-07	0.039129	0.39887	-0.03073	0.50773	0.028183
0.005786	0.90077	-0.15933	0.00055	-0.00899	0.84634	-0.08452	0.06801	0.015978
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0.011347	0.8068	-0.09496	0.04025	0.100582	0.02976	0.120058	0.00941	0.050565
-0.06763	0.14448	-0.14477	0.00171	0.028864	0.5338	-0.00918	0.84321	0.11007
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0.005916	0.89855	-0.13566	0.00331	-0.00532	0.90864	-0.05509	0.23476	0.005003
0.037835	0.41466	-0.13779	0.00285	-0.01301	0.77924	-0.06218	0.17976	-0.01655
0.111472	0.01595	-0.13241	0.00415	-0.0007	0.98804	-0.07374	0.11154	-0.01993
-0.01716	0.71147	-0.06972	0.13246	0.000599	0.9897	0.042883	0.35515	0.092344
0.017157	0.71153	-0.08104	0.08022	0.025924	0.57629	0.04507	0.33112	0.160055
-0.03091	0.5052	-0.09563	0.03886	-0.01323	0.7756	0.063745	0.16906	0.051164
0.124	0.0073	0.125668	0.00654	-0.01474	0.75065	-0.06092	0.18879	-0.07416
-0.00347	0.94045	-0.123	0.00779	0.014484	0.7549	-0.04416	0.34097	-0.00374
0.163303	0.0004	-0.01945	0.67499	0.007948	0.86399	-0.11972	0.00961	0.066757
-0.10155	0.02821	-0.27237	2.18E-09	-0.03731	0.4212	-0.12346	0.00756	-0.07177
-0.01914	0.67988	-0.22509	8.91E-07	-0.0025	0.9571	-0.08131	0.07921	-0.02212
-0.04817	0.29892	-0.13705	0.003	0.005016	0.9139	-0.06645	0.15167	0.076089
0.151873	0.00099	0.013101	0.77767	0.117427	0.0111	0.086973	0.06038	0.283623
-0.01945	0.67509	-0.24781	5.77E-08	0.015095	0.74492	-0.06657	0.15092	0.029034
0.199674	1.38E-05	0.021298	0.64618	0.06429	0.16543	-0.02842	0.54008	0.16149

0.317292	2.21E-12	0.136117	0.0032	0.036004	0.43762	-0.04371	0.34599	0.125712
0.044245	0.34006	0.007303	0.87493	0.059074	0.20256	0.050667	0.27453	0.166466
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0.100483	0.02992	0.240551	1.43E-07	0.026532	0.56738	0.084061	0.06954	0.056469
0.17158	0.00019	-0.03019	0.51519	-0.01848	0.69041	-0.06615	0.15352	-0.01494
-0.22588	8.14E-07	-0.07503	0.10538	-0.00026	0.99548	0.003726	0.93599	0.144824
-0.1065	0.02134	-0.20291	9.91E-06	-0.03725	0.42191	-0.06142	0.18517	0.017125
-0.38188	1.16E-17	-0.44069	1.31E-23	0.015828	0.73299	0.008897	0.84794	-0.00625
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0.024464	0.59796	-0.28678	2.72E-10	-0.02909	0.53057	-0.12075	0.009	-0.0056
0.090524	0.05058	0.235536	2.62E-07	0.028283	0.54206	-0.07133	0.12373	0.230933
-0.01768	0.70317	-0.2288	5.81E-07	-0.01428	0.75831	-0.06824	0.14092	0.001795
-0.04053	0.38218	-0.01648	0.72239	-0.00186	0.96809	-0.03568	0.44174	0.053777
-0.18737	4.61E-05	-0.28066	6.69E-10	0.008596	0.85302	-0.03018	0.51526	-0.00097
-0.00757	0.87045	-0.18079	8.54E-05	-0.0468	0.31293	-0.14742	0.0014	-0.03457
-0.28601	3.05E-10	-0.21692	2.23E-06	-0.0761	0.1005	-0.10233	0.02702	-0.08533
-0.0456	0.32545	-0.13845	0.00271	-0.00714	0.8777	-0.06555	0.15727	-0.03368
-0.09019	0.05145	-0.18235	7.39E-05	-0.02462	0.59561	-0.06195	0.18139	-0.00874
0.014382	0.75658	-0.18994	3.61E-05	-0.06376	0.16893	-0.24317	1.03E-07	-0.10145
-0.10521	0.02298	0.053231	0.25095	0.008447	0.85554	0.08557	0.06466	0.029705
0.131636	0.00438	0.337636	6.47E-14	0.028505	0.5389	0.122761	0.00791	0.108988
-0.00569	0.90245	0.118081	0.01065	0.030485	0.51107	0.093697	0.04299	0.012267
-0.02816	0.54383	-0.15347	0.00088	0.005728	0.90175	-0.09035	0.05102	0.049378
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0.109634	0.01779	-0.04474	0.33466	0.036073	0.43674	-0.1024	0.02691	0.203456
-0.2786	9.01E-10	0.056136	0.22597	0.061286	0.18614	0.375509	4.37E-17	-0.00976
-0.20443	8.47E-06	-0.16123	0.00047	0.115036	0.01286	0.247238	6.20E-08	0.293757
0.081062	0.08013	-0.14534	0.00164	-0.01101	0.81247	-0.07066	0.12732	0.006686
-0.05408	0.24342	-0.23112	4.43E-07	-0.00482	0.9172	-0.03772	0.41614	-0.07381
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-0.05046	0.27649	-0.18393	6.38E-05	0.026409	0.56917	-0.03656	0.43063	0.090958
-0.08296	0.07329	-0.23324	3.44E-07	-0.03335	0.4721	-0.05604	0.22678	-0.00368
-0.04866	0.29402	-0.09826	0.03376	0.133996	0.00372	0.106672	0.02113	0.363455
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0.20793	5.87E-06	-0.16859	0.00025	-0.0216	0.64158	-0.148	0.00134	-0.02776
-0.06154	0.18431	0.070739	0.12689	0.012842	0.78194	0.211136	4.18E-06	-0.07068
0.109285	0.01816	-0.00057	0.99015	0.08301	0.07311	-0.02373	0.60898	0.296278
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0.101352	0.02852	-0.05747	0.21512	0.009458	0.83847	-0.08751	0.05882	0.064839
0.401575	1.59E-19	0.069654	0.13283	-0.01704	0.71335	-0.14478	0.00171	0.040865
-0.07485	0.10622	0.0694	0.13425	0.031514	0.4969	0.199828	1.36E-05	-0.06309
0.075026	0.10539	-0.21331	3.31E-06	-0.02663	0.56591	-0.13092	0.0046	-0.02365
0.284635	3.74E-10	0.235801	2.54E-07	-0.04786	0.30203	-0.11916	0.00996	-0.11657
-0.02532	0.5852	-0.21685	2.24E-06	-0.02953	0.52434	-0.09618	0.03773	0.034906



-0.02508	0.58882	-0.10697	0.02077	0.146638	0.00149	0.218197	1.93E-06	0.316996
-0.06329	0.17209	-0.24046	1.44E-07	-0.01695	0.71492	-0.12118	0.00876	0.01215
-0.09341	0.04362	-0.15624	0.0007	0.003938	0.93237	0.224349	9.69E-07	-0.08134
0.02676	0.56405	-0.09966	0.0313	-0.02941	0.5261	-0.11394	0.01376	0.006196
-0.01705	0.71319	-0.05058	0.27535	-0.05627	0.2249	-0.1385	0.0027	-0.16644
0.062993	0.17415	-0.05748	0.215	-0.0132	0.77599	-0.1592	0.00055	-0.03086
-0.04645	0.3165	-0.11463	0.01319	-0.03274	0.48028	-0.06357	0.17026	-0.00395
-0.19884	1.50E-05	0.114531	0.01327	-0.00208	0.96431	0.066442	0.1517	0.020088
-0.08257	0.07466	-0.23999	1.53E-07	-0.02262	0.62588	-0.11532	0.01264	-0.04717
0.098298	0.0337	-0.2037	9.13E-06	-0.0253	0.58553	-0.09057	0.05046	-0.0086
-0.06033	0.19315	-0.02908	0.53074	0.040354	0.38426	0.037667	0.41674	0.182762
0.278484	9.15E-10	-0.07579	0.10188	-0.01535	0.7408	-0.07978	0.08505	-0.04217
-0.06229	0.17901	-0.09815	0.03397	0.041474	0.37119	-0.01653	0.7217	0.109135
0.06975	0.1323	-0.04621	0.31905	-0.00788	0.86511	0.028269	0.54227	-0.18708
-0.05408	0.24344	-0.41292	1.18E-20	-0.02839	0.5406	-0.15266	0.00093	-0.08974
-0.11063	0.01678	-0.23886	1.75E-07	0.016737	0.7183	0.027887	0.54774	0.129487
0.003454	0.94066	0.145853	0.00158	0.028458	0.53957	0.059316	0.20071	0.184906
-0.1064	0.02146	-0.06346	0.17099	-0.03182	0.49271	-0.02226	0.63141	-0.14494
0.095879	0.03834	-0.15438	0.00082	-0.05	0.28094	-0.18755	4.54E-05	-0.11122
-0.02197	0.63586	-0.17528	0.00014	-0.04214	0.36355	-0.15037	0.00112	-0.0321
-0.00015	0.99743	0.056839	0.2202	0.02185	0.63766	0.213465	3.25E-06	-0.00353
-0.1401	0.00241	-0.16802	0.00027	0.002735	0.953	0.043205	0.35154	0.127764
0.006505	0.8885	-0.16275	0.00041	-0.03608	0.43668	-0.12255	0.00802	0.000665
-0.11687	0.01149	-0.28605	3.03E-10	-0.00178	0.96942	-0.10701	0.02073	0.063362
0.046989	0.31093	0.140958	0.00226	-0.01467	0.75178	-0.03383	0.46582	0.111917
-0.24533	7.88E-08	-0.31899	1.66E-12	0.009369	0.83998	-0.01989	0.66816	0.085003
0.016754	0.71801	-0.11358	0.01406	-0.0469	0.31186	-0.17944	9.66E-05	-0.14516
0.04331	0.35038	-0.04869	0.29368	-0.04132	0.373	-0.11578	0.01229	-0.00759
-0.17531	0.00014	-0.26776	4.14E-09	-0.07829	0.09103	-0.18017	9.04E-05	-0.09432
-0.20513	7.87E-06	-0.23881	1.76E-07	-0.05557	0.23072	-0.13022	0.00482	-0.12226
-0.36603	2.98E-16	-0.34571	1.48E-14	0.010598	0.81932	0.061091	0.18754	0.048839
-0.02401	0.60473	-0.19973	1.37E-05	-0.00079	0.9865	-0.08054	0.08208	0.02054
0.150247	0.00113	0.223087	1.12E-06	0.03383	0.46581	0.07436	0.10853	0.154532
0.006314	0.89175	-0.41489	7.44E-21	-0.06461	0.1633	-0.15125	0.00104	-0.15121
0.1268	0.00607	-0.16654	0.0003	-0.00401	0.9312	-0.17862	0.0001	-0.0102
-0.12706	0.00597	-0.18747	4.57E-05	-0.03301	0.47676	-0.10985	0.01756	-0.00535
-0.04158	0.36998	-0.13234	0.00417	-0.02581	0.57797	-0.02372	0.60908	0.049871
-0.13874	0.00266	-0.22317	1.11E-06	0.039459	0.3949	0.014121	0.76085	0.162742
0.181219	8.20E-05	-0.05913	0.20214	0.019387	0.67605	-0.02075	0.65469	0.150138
-0.0625	0.17758	-0.42454	7.39E-22	-0.06516	0.15976	-0.10946	0.01797	-0.24296
-0.00767	0.86867	-0.30684	1.22E-11	-0.02374	0.60891	-0.06101	0.1881	-0.10466
-0.08927	0.05389	-0.10012	0.03052	0.068311	0.14049	0.070856	0.12626	0.214441
0.297386	5.44E-11	0.275631	1.38E-09	-0.05574	0.22923	-0.07489	0.10604	-0.28164
-0.2488	5.09E-08	-0.29556	7.22E-11	-0.01123	0.80878	0.041293	0.37328	0.003837
0.175749	0.00013	0.196252	1.94E-05	0.025602	0.58103	0.09686	0.0364	0.066333

-0.05924	0.20132	-0.21958	1.66E-06	0.014268	0.75844	-0.12665	0.00613	0.095725
-0.09008	0.05174	-0.17012	0.00022	-0.00464	0.92034	-0.06712	0.14754	0.068569
-0.04915	0.28917	-0.06411	0.1666	-0.03459	0.4559	-0.08707	0.06009	-0.01064
0.156186	0.00071	0.27325	1.93E-09	0.007496	0.87166	-0.1154	0.01258	-0.01832
-0.12286	0.00786	-0.17247	0.00018	0.048874	0.29189	0.097545	0.03509	0.059487
-0.18736	4.62E-05	-0.45837	1.23E-25	-0.01874	0.68621	-0.06898	0.13663	0.05383
0.252535	3.15E-08	-0.01291	0.78084	-0.05551	0.23122	-0.11991	0.00949	-0.01498
-0.15492	0.00078	-0.19985	1.35E-05	-0.01243	0.7887	-0.05723	0.21707	0.043825
0.022085	0.63405	-0.31157	5.69E-12	-0.00769	0.86835	-0.0479	0.30165	0.005493
0.209389	5.03E-06	0.383598	8.07E-18	-0.02914	0.52986	-0.04547	0.3269	-0.10607
-0.08344	0.07164	-0.21037	4.53E-06	0.017614	0.70421	-0.00279	0.95205	0.015456
-0.02568	0.57986	0.109389	0.01805	-0.00172	0.97048	-0.01783	0.70072	0.005533
0.106674	0.02113	0.32691	4.30E-13	0.040071	0.38761	0.084211	0.06904	0.152838
0.244083	9.22E-08	0.193627	2.52E-05	-0.01094	0.81359	-0.04002	0.38816	0.119392
-0.05655	0.22259	-0.28248	5.13E-10	-0.00571	0.90202	-0.10921	0.01824	-0.0325
0.141735	0.00214	-0.06863	0.13863	-0.03322	0.47395	-0.11619	0.01198	-0.02557
0.20293	9.89E-06	-0.11373	0.01392	-0.03157	0.49619	-0.14699	0.00145	0.00392
-0.02119	0.6478	0.182252	7.46E-05	0.072352	0.11843	0.167753	0.00027	0.317639
-0.13452	0.00358	-0.05707	0.21832	0.113351	0.01425	0.208153	5.73E-06	0.442134
-0.13132	0.00447	-0.33536	9.74E-14	-0.02241	0.62908	-0.06261	0.17678	0.079041
0.155276	0.00076	-0.15197	0.00099	-0.04176	0.36785	-0.12113	0.00879	-0.08926
-0.14837	0.0013	-0.38904	2.52E-18	-0.06481	0.16205	-0.13328	0.00391	-0.14077
0.047808	0.30256	-0.25812	1.52E-08	-0.03624	0.43463	-0.14022	0.00239	-0.02598
0.259661	1.24E-08	0.286054	3.03E-10	0.138099	0.00278	0.132117	0.00424	0.413703
0.272131	2.26E-09	0.163546	0.00039	0.022557	0.62682	-0.03775	0.41571	0.107982
-0.11261	0.0149	-0.11567	0.01237	-0.01439	0.75648	-0.05319	0.2513	-0.02095
0.063608	0.16998	-0.07582	0.10176	0.052435	0.25811	-0.04308	0.3529	0.084422
-0.07295	0.11541	-0.14479	0.00171	0.032384	0.48509	-0.03558	0.44299	0.277902
0.172805	0.00018	0.006247	0.89291	-0.05429	0.2416	-0.24112	1.33E-07	-0.11329
0.258655	1.42E-08	0.119842	0.00954	0.044321	0.33923	0.071372	0.12352	0.11596
-0.14155	0.00217	-0.14999	0.00115	-0.04756	0.3051	-0.11207	0.01539	-0.04072
0.055229	0.23357	-0.1234	0.00759	0.005769	0.90105	-0.07093	0.12585	-0.00043
-0.04329	0.35055	-0.15245	0.00095	-0.03806	0.41191	-0.11093	0.01648	-0.03414
-0.08314	0.07267	-0.2775	1.05E-09	-0.04296	0.35427	-0.08306	0.07295	0.00607
-0.02229	0.63097	-0.20451	8.40E-06	0.030818	0.50647	-0.02877	0.53518	0.078912
0.051586	0.26591	0.007463	0.87221	-0.00223	0.96159	0.058786	0.20477	0.118015
0.091072	0.0492	-0.0986	0.03315	0.010748	0.81681	-0.03276	0.48	0.115999
0.09556	0.03899	0.235284	2.70E-07	0.005119	0.91215	-0.00011	0.99817	0.004444
-0.01887	0.68415	-0.10403	0.02457	-0.01145	0.80513	-0.05731	0.21641	0.071369
0.158216	0.0006	-0.08101	0.08031	-0.05029	0.27815	-0.15628	0.0007	0.041122
-0.03209	0.48906	-0.1733	0.00017	0.074939	0.1058	-0.01321	0.77592	0.29317
0.107584	0.02005	0.164187	0.00037	-0.0296	0.52339	-0.11389	0.01379	-0.05826
-0.15471	0.00079	-0.24968	4.55E-08	-0.01676	0.71789	-0.00112	0.98074	0.000721
-0.06134	0.18573	-0.31717	2.26E-12	-0.02263	0.62567	-0.13951	0.00251	0.003013
-0.10142	0.02842	0.293819	9.42E-11	0.037816	0.41489	0.087241	0.05959	0.120513

-0.05981	0.19698	-0.26885	3.56E-09	-0.02597	0.57561	-0.1193	0.00987	-0.0742
0.108506	0.019	-0.08324	0.07233	-0.04116	0.37485	-0.04361	0.34704	-0.20787
-0.18622	5.14E-05	-0.26235	8.65E-09	-0.03738	0.42034	-0.07601	0.10088	-0.089
0.259221	1.31E-08	0.385049	5.93E-18	-0.02657	0.56688	-0.06929	0.13489	-0.08978
0.257969	1.55E-08	0.369664	1.44E-16	-0.06577	0.1559	-0.12023	0.00931	-0.21466
-0.03638	0.43279	-0.10983	0.01758	-0.01283	0.78221	-0.02901	0.53176	0.026384
-0.09491	0.04036	-0.27173	2.38E-09	0.044911	0.33283	0.008268	0.85857	0.068593
-0.01728	0.70956	-0.08488	0.06686	-0.00389	0.93321	-0.0311	0.50264	0.039032
-0.0953	0.03954	-0.23278	3.64E-07	-0.0267	0.56485	-0.16734	0.00028	-0.07087
0.0289	0.53329	-0.17257	0.00018	-0.02322	0.61669	-0.15763	0.00063	-0.02365
0.070767	0.12673	-0.02971	0.52185	-0.0055	0.90558	-0.09976	0.03113	0.027099
-0.05548	0.23145	-0.30005	3.60E-11	-0.01419	0.75979	-0.12869	0.00535	0.044168
0.092383	0.04601	-0.28237	5.21E-10	-0.0123	0.79092	-0.13454	0.00358	0.00898
0.084815	0.06706	0.017169	0.71134	0.012951	0.78014	-0.06634	0.15235	0.046149
0.116768	0.01156	-0.02342	0.61371	0.037602	0.41754	-0.03068	0.50842	0.132033
-0.15439	0.00082	-0.24756	5.95E-08	0.001271	0.97815	-0.07128	0.124	0.041648
0.133441	0.00387	-0.18509	5.72E-05	-0.02007	0.66523	-0.11867	0.01027	0.052305
-0.0687	0.13826	-0.22556	8.44E-07	-0.0233	0.61549	-0.09907	0.03232	-0.02029
-0.04629	0.31819	-0.10817	0.01938	-0.03516	0.44843	-0.10897	0.01849	-0.02801
-0.01567	0.7356	0.026343	0.57014	0.023903	0.60639	0.052282	0.2595	0.087263
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-0.00357	0.9387	-0.04998	0.28105	-0.01585	0.73261	-0.07247	0.11785	-0.06497
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0.207508	6.14E-06	0.01883	0.68484	0.055533	0.231	-0.08123	0.07951	0.142631
-0.07092	0.12592	-0.26132	9.93E-09	0.060316	0.19321	0.046538	0.3156	0.186145
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0.332001	1.77E-13	0.090764	0.04997	0.024418	0.59866	-0.03833	0.40859	0.201321
0.516962	2.85E-33	0.258246	1.50E-08	-0.03746	0.41933	-0.19469	2.27E-05	-0.04323
0.336331	8.18E-14	0.456343	2.12E-25	-0.01328	0.77466	0.029092	0.53057	-0.22189
0.078425	0.09049	-0.17897	0.0001	-0.00464	0.92026	-0.1126	0.01491	-0.01525
-0.08991	0.05218	-0.19062	3.38E-05	-0.07399	0.11028	-0.16259	0.00042	-0.07096
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0.002581	0.95563	-0.1636	0.00039	0.102309	0.02705	0.051115	0.27031	0.353311
0.013596	0.76949	-0.30516	1.60E-11	0.014345	0.75718	-0.08685	0.06074	0.018135
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0.318424	1.83E-12	0.012561	0.7866	0.007757	0.86723	-0.1235	0.00754	0.010862
0.065012	0.16073	-0.21389	3.10E-06	-0.01836	0.69236	-0.11513	0.01279	0.004269
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-8.82E-05	0.99848	-0.22334	1.09E-06	-0.03408	0.46248	-0.09312	0.0443	-0.02487
0.025297	0.58556	-0.1073	0.02038	-0.04059	0.38154	-0.11629	0.01191	-0.05254
-0.0663	0.15255	-0.1528	0.00092	0.006923	0.88138	-0.08941	0.05349	0.077304
0.183051	6.93E-05	-0.21549	2.61E-06	-0.01283	0.78219	-0.07557	0.10289	0.066635
0.219443	1.68E-06	0.327683	3.76E-13	0.090068	0.05176	0.076208	0.1	0.366472
0.006697	0.88523	-0.18498	5.78E-05	-0.06389	0.16809	-0.15007	0.00114	-0.08814

0.032947	0.47753	-0.23329	3.43E-07	-0.033	0.47688	-0.16312	0.0004	-0.05468
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-0.08664	0.06136	-0.23367	3.27E-07	0.091102	0.04912	0.054496	0.23984	0.124169
-0.0816	0.07815	-0.46557	1.69E-26	0.014622	0.75265	-0.11219	0.01529	-0.04009
0.004596	0.9211	0.10731	0.02037	0.051059	0.27083	0.070428	0.12857	0.114988
-0.22212	1.25E-06	-0.16809	0.00026	-0.02008	0.66511	0.077899	0.09267	0.063716
0.180166	9.04E-05	0.238366	1.86E-07	0.086886	0.06064	0.421477	1.55E-21	-0.02964
0.2907	1.51E-10	0.154014	0.00084	0.019236	0.67842	0.005616	0.90367	-0.09131
0.039314	0.39664	-0.34545	1.55E-14	-0.03661	0.42991	-0.14465	0.00172	-0.09704
-0.09869	0.03299	-0.19185	3.00E-05	0.004667	0.91988	-0.10144	0.02838	0.084422
-0.29289	1.09E-10	-0.50101	4.80E-31	0.029623	0.52309	0.027515	0.5531	-0.00064
0.152645	0.00094	0.03636	0.4331	-0.05914	0.20209	-0.04595	0.32176	-0.23641
0.127575	0.00577	0.16309	0.0004	-0.06367	0.16954	-0.11655	0.01172	-0.01502
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-0.14951	0.00119	-0.33561	9.31E-14	0.000938	0.98386	-0.03078	0.50705	0.013607
0.116109	0.01204	-0.01855	0.68935	-0.00493	0.91538	-0.09708	0.03597	0.001981
0.154665	0.0008	-0.07181	0.12123	-0.0458	0.32333	-0.14652	0.0015	-0.13816
-0.09853	0.03328	-0.26505	6.00E-09	-0.04065	0.38082	-0.12619	0.00632	-0.07538
-0.07097	0.12566	-0.09914	0.0322	-0.03188	0.49194	-0.06284	0.17518	-0.0115
-0.0006	0.98972	-0.1498	0.00117	-0.05186	0.26334	-0.10066	0.02963	-0.02779
-0.01956	0.67332	-0.06881	0.13763	-0.04943	0.28641	-0.08029	0.08304	-0.05964
-0.04994	0.28147	-0.1158	0.01227	-0.02712	0.55885	-0.06612	0.1537	0.028286
-0.0638	0.16869	0.021794	0.63853	-0.00022	0.99614	-0.02972	0.52171	-0.11223
-0.06079	0.1897	-0.18397	6.35E-05	-0.03139	0.49861	-0.02608	0.57398	0.001003
0.221339	1.36E-06	0.511347	1.78E-32	0.005861	0.89948	0.125923	0.00643	-0.06294
0.140238	0.00239	0.07745	0.09458	-0.03555	0.44341	-0.03246	0.48409	-0.03759
0.08158	0.07821	-0.37076	1.15E-16	-0.03185	0.49236	-0.13695	0.00302	-0.08916
0.094171	0.04194	-0.12031	0.00925	-0.03637	0.433	-0.13198	0.00428	-0.05266
-0.17346	0.00017	-0.33612	8.50E-14	-0.01512	0.74446	-0.09901	0.03242	-0.06452
-0.06566	0.15656	-0.00024	0.99581	0.033453	0.47079	0.173832	0.00016	0.076575
-0.01954	0.6737	0.111808	0.01564	-0.04439	0.33852	0.004132	0.92904	-0.08738
0.24106	1.34E-07	0.166858	0.00029	-0.05668	0.22153	-0.20126	1.17E-05	-0.03646
0.039109	0.39911	-0.08636	0.06222	-0.00436	0.92516	-0.13173	0.00435	0.036331
-0.07887	0.08868	-0.22461	9.41E-07	-0.00486	0.91658	-0.13662	0.00309	0.006733
-0.04239	0.36069	-0.08687	0.06069	-0.00771	0.86794	-0.106	0.02196	-0.05567
0.072762	0.11635	-0.16973	0.00023	0.001155	0.98014	-0.08707	0.0601	-0.00397
0.110753	0.01665	0.34884	8.26E-15	0.080414	0.08258	0.288962	1.97E-10	0.052589
-0.02355	0.61172	-0.0192	0.67899	0.070359	0.12894	0.032205	0.48751	0.218261
0.050515	0.27597	0.132154	0.00423	0.01944	0.6752	0.044809	0.33394	-0.0103
-0.21889	1.79E-06	-0.40625	5.52E-20	0.005513	0.90542	-0.0695	0.13367	-0.00344
-0.02768	0.55074	-0.30163	2.81E-11	-0.03708	0.42398	-0.08381	0.07039	-0.07726
0.052438	0.25808	-0.12974	0.00498	-0.02842	0.54011	-0.09288	0.04485	0.0896
0.328331	3.36E-13	0.176703	0.00012	-0.01216	0.79332	-0.08183	0.07732	0.158141
0.09547	0.03918	0.114031	0.01368	0.057851	0.21208	0.146114	0.00154	0.204594
0.11383	0.01384	-0.00586	0.8995	0.015815	0.7332	0.033891	0.465	0.017806

-0.01338	0.77303	-0.12643	0.00622	-0.02566	0.58024	-0.09613	0.03784	-0.04339
-0.01053	0.8205	-0.25111	3.79E-08	0.022886	0.62179	-0.04293	0.3546	0.090959
-0.10626	0.02164	-0.16432	0.00036	-0.02833	0.54134	-0.08003	0.08404	-0.07706
-0.03353	0.46975	-0.37648	3.58E-17	-0.02544	0.58336	-0.10007	0.0306	-0.0733
-0.08408	0.06947	-0.29594	6.81E-11	0.231145	4.41E-07	0.081024	0.08027	0.360905
0.183397	6.71E-05	-0.09122	0.04884	-0.04122	0.37412	-0.03973	0.39172	-0.04384
-0.08992	0.05215	-0.16199	0.00044	-0.04057	0.38176	-0.12241	0.00809	-0.08031
-0.02856	0.53817	-0.18355	6.61E-05	0.009594	0.83619	-0.06949	0.13377	0.004057
-0.0374	0.42003	0.228067	6.32E-07	0.117069	0.01135	0.409338	2.72E-20	0.128688
0.002788	0.95208	-0.22915	5.58E-07	-0.0095	0.83773	-0.12375	0.00742	0.049773
0.016737	0.7183	0.372323	8.39E-17	0.05063	0.27488	0.114954	0.01293	0.082943
-0.06218	0.17978	-0.14775	0.00137	-0.01925	0.67814	-0.11722	0.01124	-0.04233
-0.03699	0.42511	-0.03318	0.47436	0.025121	0.58816	0.058414	0.20766	0.100207
-0.13272	0.00406	-0.06191	0.18171	-0.07526	0.1043	-0.14003	0.00242	-0.10887
0.07454	0.10767	0.156244	0.0007	-0.00243	0.95816	0.000724	0.98756	-0.19707
-0.00231	0.96033	0.058556	0.20655	0.152581	0.00094	0.199938	1.34E-05	0.414232
-0.00435	0.92532	0.163319	0.00039	-0.0074	0.87334	0.046198	0.31915	-0.04727
-0.17712	0.00012	-0.03066	0.50861	0.057074	0.2183	0.058169	0.20958	0.250729
0.016349	0.72455	-0.27698	1.14E-09	-0.01159	0.80275	-0.1075	0.02015	0.191147
0.019908	0.66785	-0.015	0.74649	0.048748	0.29314	-0.0217	0.63993	0.149409
0.001961	0.96629	-0.25012	4.30E-08	0.033865	0.46534	-0.02703	0.56015	0.090088
0.122353	0.00812	0.22841	6.07E-07	0.037104	0.42374	0.163829	0.00038	0.18182
0.072955	0.11538	0.085266	0.06562	0.032163	0.48808	-0.05965	0.19818	0.05279
0.047116	0.30962	-0.18049	8.77E-05	0.019626	0.67227	-0.12795	0.00562	0.056192
-0.09918	0.03212	0.023235	0.61648	0.026227	0.57184	0.067921	0.14277	0.118108
-0.12555	0.00659	0.308751	9.00E-12	0.160355	0.0005	0.495803	2.41E-30	0.328682
0.083926	0.06999	-0.10328	0.02563	-0.00615	0.89462	-0.12288	0.00785	0.036221
0.30188	2.70E-11	0.24398	9.34E-08	-0.01715	0.71171	-0.12132	0.00868	0.008561
-0.11374	0.01392	-0.13645	0.00313	-0.01877	0.68587	-0.05355	0.24814	0.018232
-0.20125	1.17E-05	-0.38964	2.22E-18	-0.01654	0.72141	-0.08125	0.07944	0.038965
-0.04203	0.36479	-0.13902	0.00261	0.042691	0.3573	0.02813	0.54427	0.090116
0.190543	3.40E-05	0.079845	0.08478	-0.01729	0.70936	-0.08317	0.07255	-0.00944
-0.00484	0.91684	-0.11129	0.01612	0.032839	0.47898	0.05502	0.23534	0.023612
-0.14667	0.00148	-0.13458	0.00357	0.048401	0.29659	0.086037	0.06321	0.206685
0.076697	0.09784	0.033183	0.47438	0.0259	0.57664	-0.05113	0.27016	0.122736
0.056102	0.22625	-0.17214	0.00019	0.04843	0.2963	0.001141	0.98038	0.149171
-0.02044	0.65949	0.149105	0.00123	-0.05938	0.20026	-0.04141	0.37192	-0.09793
0.010517	0.82068	-0.10539	0.02274	0.022994	0.62014	0.000945	0.98376	0.031837
-0.01708	0.71281	-0.15975	0.00053	0.076825	0.09728	-0.03352	0.46991	0.074523
0.052866	0.25422	-0.05446	0.24014	0.075426	0.10354	0.174887	0.00015	0.005587
-0.11396	0.01374	-0.18272	7.14E-05	0.036633	0.42965	0.0835	0.07143	0.097407
0.106154	0.02177	0.314806	3.34E-12	0.033398	0.47152	-0.01989	0.66813	-0.11501
-0.03004	0.51727	-0.19787	1.65E-05	0.042395	0.36065	0.040041	0.38796	0.173454
-0.18914	3.90E-05	-0.09122	0.04882	0.003042	0.94773	0.195381	2.12E-05	-0.14624
-0.07982	0.08486	-0.20374	9.10E-06	0.009921	0.83069	-0.04797	0.30089	0.075873

-0.12457	0.00703	-0.23118	4.39E-07	-0.00917	0.84339	-0.07767	0.09362	0.03989
-0.16115	0.00047	-0.4012	1.73E-19	0.029464	0.52533	-0.01013	0.82711	0.018891
-0.08057	0.08198	-0.25276	3.06E-08	-0.05588	0.22813	-0.14762	0.00138	-0.08925
0.009199	0.84283	-0.26676	4.75E-09	0.067258	0.14672	-0.03518	0.44816	0.232639
0.012831	0.78213	-0.04747	0.30598	-0.02031	0.66161	-0.05844	0.20743	0.053751
-0.00276	0.95254	0.154332	0.00082	-0.01532	0.74131	0.009268	0.84168	-0.01755
0.031445	0.49785	-0.22644	7.62E-07	-0.06815	0.14141	-0.22109	1.40E-06	-0.15426
-0.11572	0.01234	-0.22681	7.31E-07	0.001575	0.97293	-0.10328	0.02562	0.035548
-0.14851	0.00129	0.231098	4.44E-07	0.056543	0.22261	0.046894	0.3119	0.274561
-0.06755	0.14495	-0.3567	1.85E-15	-0.04198	0.3654	-0.14817	0.00132	-0.07003
-0.13566	0.00331	0.015366	0.7405	0.061781	0.1826	0.05303	0.25274	0.040897
-0.11445	0.01333	-0.2551	2.26E-08	-0.01494	0.74744	-0.10594	0.02204	0.042834
-0.1993	1.43E-05	-0.35907	1.17E-15	0.009245	0.84207	-0.01353	0.7706	0.015248
0.066133	0.15361	0.361799	6.88E-16	0.094823	0.04053	0.185282	5.62E-05	0.140786
0.127541	0.00578	0.346586	1.26E-14	0.029757	0.52121	0.130053	0.00488	-0.02123
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0.007855	0.86556	0.181314	8.13E-05	-0.07295	0.11539	-0.07889	0.08859	-0.21216
0.309748	7.66E-12	0.039805	0.39077	-0.05734	0.21618	-0.14476	0.00171	-0.17277
-0.07371	0.11168	-0.03136	0.49896	0.02004	0.66578	0.005215	0.91051	0.143298
-0.04157	0.37005	-0.0689	0.13708	-0.02017	0.66372	-0.06273	0.17595	0.075905
-0.10506	0.02317	0.260596	1.09E-08	0.112089	0.01538	0.263126	7.79E-09	0.228118
-0.14994	0.00115	-0.45021	1.10E-24	-0.03444	0.45779	-0.16553	0.00033	-0.13012
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0.022336	0.63019	-0.08065	0.08166	-0.0202	0.66322	-0.08201	0.07664	0.120364
-0.02107	0.64975	-0.12829	0.0055	0.006181	0.89402	-0.01944	0.67515	0.111782
0.00895	0.84704	-0.19326	2.61E-05	-0.03437	0.45877	-0.1215	0.00858	-0.04109
0.289341	1.86E-10	0.467917	8.77E-27	0.023998	0.60495	-0.05877	0.20489	0.249081
0.046023	0.32099	0.102058	0.02743	0.07401	0.11021	0.146117	0.00154	0.177996
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-0.0062	0.89369	-0.03599	0.43783	0.017579	0.70476	-0.02762	0.55153	0.110836
0.073118	0.11457	0.032911	0.47802	0.032968	0.47726	-0.09345	0.04353	0.028452
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-0.13341	0.00387	-0.34222	2.81E-14	-0.03273	0.4805	-0.08645	0.06194	0.010696
0.085123	0.06607	0.022621	0.62583	0.055999	0.2271	0.114698	0.01313	0.14115
0.081581	0.07821	-0.10189	0.02769	0.050582	0.27534	0.037361	0.42053	0.150062
-0.26958	3.22E-09	-0.20787	5.91E-06	0.047437	0.30633	0.071654	0.12203	0.089566
-0.12141	0.00863	-0.2191	1.75E-06	0.001987	0.96584	-0.00204	0.965	-0.03279
-0.09248	0.04577	-0.20428	8.60E-06	-0.08837	0.05636	-0.11871	0.01024	-0.14391
0.089389	0.05356	0.108349	0.01918	0.034808	0.453	0.114578	0.01323	0.032206
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-0.0482	0.29866	-0.12082	0.00896	0.082023	0.0766	0.036617	0.42985	0.242258
-0.09399	0.04235	0.001945	0.96656	-0.03043	0.51181	-0.07885	0.08876	0.102716

0.160473	0.0005	-0.04548	0.3267	0.003469	0.9404	-0.04977	0.2831	-0.03382
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0.018518	0.6898	0.007309	0.87483	0.006368	0.89083	0.091776	0.04746	0.076867
0.231392	4.29E-07	0.383725	7.86E-18	-0.04298	0.35408	-0.03953	0.3941	-0.04097
0.078317	0.09093	-0.08037	0.08274	-0.05444	0.24035	-0.12517	0.00676	-0.05479
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0.00636	0.89098	-0.00776	0.86718	0.040702	0.38017	0.225447	8.55E-07	-0.00369
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0.112201	0.01527	0.493031	5.64E-30	0.024492	0.59754	0.146585	0.00149	-0.00919
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0.005307	0.90893	0.306663	1.26E-11	9.00E-05	0.99845	0.017908	0.69951	0.004971
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0.257542	1.64E-08	-0.10998	0.01743	-0.0573	0.21647	-0.1649	0.00035	-0.19102
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0.062711	0.17609	-0.20745	6.18E-06	-0.01884	0.68474	-0.13487	0.0035	-0.00896
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-0.17845	0.00011	-0.34747	1.07E-14	-0.03753	0.41842	-0.09483	0.04053	-0.09481
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0.068248	0.14086	-0.03916	0.3985	0.010562	0.81993	-0.09536	0.03941	0.181885
0.119556	0.00971	-0.03865	0.40467	0.04649	0.3161	0.081413	0.07882	0.146627
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0.058471	0.20721	-0.27494	1.52E-09	-0.09984	0.031	-0.17266	0.00018	-0.17794
0.173283	0.00017	-0.16717	0.00029	-0.00349	0.94001	-0.1407	0.00231	0.018506
0.017978	0.69838	-0.12495	0.00686	0.036646	0.42948	-0.07983	0.08485	-0.00621
0.166041	0.00031	0.150358	0.00112	0.000666	0.98855	-0.08807	0.0572	0.027634
0.080433	0.08251	0.104509	0.02391	0.006777	0.88387	-0.04971	0.2837	0.058194
0.110739	0.01666	-0.14138	0.0022	-0.00569	0.90244	-0.11969	0.00963	0.078966
0.050852	0.27278	-0.03716	0.42301	-0.03549	0.44422	-0.12798	0.00561	0.000769
0.002414	0.95851	0.206335	6.94E-06	-0.0405	0.3826	-0.0254	0.58396	-0.03717
0.001093	0.98121	-0.02581	0.57794	0.020286	0.66192	0.045543	0.32607	0.055217
-0.22836	6.11E-07	-0.44934	1.38E-24	-0.03852	0.40624	-0.04246	0.3599	0.001538
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-0.126	0.0064	-0.32353	7.70E-13	0.012237	0.79198	-0.09824	0.0338	-0.07973
0.434148	6.89E-23	-0.12969	0.005	-0.03783	0.41466	-0.23858	1.81E-07	-0.01486
-0.13881	0.00265	-0.36857	1.79E-16	0.05451	0.23972	0.025313	0.58532	0.218428
0.053083	0.25226	0.019829	0.66909	0.024174	0.60231	0.104623	0.02375	0.1251
-0.15269	0.00093	-0.23865	1.80E-07	-0.00567	0.9027	-0.05774	0.21292	0.066233
0.099796	0.03107	0.085764	0.06405	0.072378	0.1183	-0.04201	0.365	0.184233
-0.0538	0.24586	-0.20084	1.22E-05	-0.00248	0.95732	0.034676	0.45472	-0.02278

0.24941	4.71E-08	0.350526	6.02E-15	0.040864	0.37827	0.080856	0.0809	0.286329
-0.07901	0.08812	-0.26482	6.19E-09	-0.0337	0.46748	-0.03996	0.38896	-0.09595
0.221817	1.29E-06	-0.14985	0.00116	-0.01764	0.70385	-0.1283	0.00549	-0.00139
0.073313	0.11361	-0.16349	0.00039	0.030537	0.51035	-0.04706	0.31025	0.053055
-0.16786	0.00027	-0.24856	5.25E-08	-0.02471	0.59435	-0.06891	0.13702	-0.00952
-0.20528	7.75E-06	-0.32523	5.75E-13	0.025255	0.58617	0.090366	0.05099	0.052263
0.013716	0.76751	-0.04249	0.35956	-0.0132	0.77605	-0.09106	0.04924	0.030279
-0.12506	0.00681	-0.14226	0.00206	-0.00226	0.96109	-0.08424	0.06894	0.109106
-0.12718	0.00592	-0.12532	0.0067	0.154837	0.00079	0.122467	0.00806	0.560534
-0.0693	0.13482	-0.23089	4.55E-07	-0.04138	0.37228	-0.10573	0.0223	-0.05798
-0.06873	0.13807	-0.22774	6.56E-07	-0.0137	0.76777	-0.09492	0.04034	-0.00928
0.129134	0.00519	0.094487	0.04125	-0.02802	0.54587	-0.10479	0.02353	-0.01844
0.082866	0.07361	0.069802	0.13201	0.111335	0.01608	0.074054	0.10999	0.167835
0.037867	0.41426	-0.013	0.77941	0.002932	0.94962	-0.04235	0.36113	0.12029
0.02524	0.58639	-0.09684	0.03643	-0.03911	0.39912	-0.15515	0.00077	-0.02253
-0.13047	0.00474	-0.15234	0.00096	-0.01794	0.69898	-0.00481	0.91739	0.042688
-0.01936	0.6764	-0.12611	0.00635	-0.0404	0.38376	-0.1076	0.02003	0.017494
-0.04508	0.33104	0.202228	1.06E-05	-0.0596	0.19855	0.038348	0.40836	-0.14813
-0.05448	0.23999	-0.17296	0.00017	-0.00083	0.98567	-0.00552	0.90535	-0.05435
0.185669	5.42E-05	0.136867	0.00304	-0.05685	0.2201	-0.18762	4.50E-05	0.03694
-0.04501	0.33174	-0.16386	0.00038	-0.01087	0.8147	-0.04303	0.35353	0.040767
-0.12661	0.00615	0.119216	0.00992	0.091138	0.04903	0.185947	5.28E-05	0.190875
-0.09276	0.04513	-0.24292	1.07E-07	-0.04193	0.3659	-0.05791	0.21161	-0.07431
0.032251	0.48689	-0.18867	4.07E-05	0.067635	0.14447	0.059695	0.19785	0.207763
0.025331	0.58505	-0.0018	0.96907	0.064129	0.16649	0.066281	0.1527	0.308658
0.005956	0.89785	0.105719	0.02232	0.07876	0.08911	0.104845	0.02346	0.109105
0.101061	0.02899	-0.00823	0.85929	-0.04097	0.37703	-0.16686	0.00029	0.139751
-0.13485	0.0035	-0.25403	2.60E-08	-0.04116	0.37483	-0.08549	0.0649	-0.02998
0.113735	0.01392	0.016827	0.71684	-0.07599	0.10098	-0.20351	9.31E-06	0.040981
-0.0424	0.36057	-0.11973	0.0096	-0.05535	0.23252	-0.16378	0.00038	0.032205
-0.13086	0.00462	-0.45002	1.15E-24	-0.0306	0.50945	-0.11312	0.01445	-0.07281
-0.05912	0.2022	-0.16765	0.00027	-0.04541	0.32751	-0.12106	0.00883	-0.03439
-0.00205	0.96472	-0.1104	0.017	-0.01678	0.71763	-0.09947	0.03163	0.039651
-0.07061	0.1276	-0.08239	0.07527	-0.01103	0.8121	-0.09038	0.05095	0.155659
-0.04445	0.33781	-0.19472	2.26E-05	-0.05148	0.26689	-0.13397	0.00373	-0.05141
0.12965	0.00501	0.027365	0.55527	0.073756	0.11143	0.011882	0.79788	0.286734
0.001449	0.97509	-0.17181	0.00019	0.039652	0.39259	0.052897	0.25394	0.113265
-0.0736	0.11219	-0.15918	0.00056	0.021522	0.64272	-0.08729	0.05943	0.066131
-0.07784	0.09292	-0.16845	0.00026	0.011308	0.80745	0.104254	0.02426	-0.02653
-0.05076	0.27369	-0.15314	0.0009	-0.04105	0.37605	-0.11425	0.01349	0.013349
-0.13353	0.00384	-0.25143	3.64E-08	-0.02084	0.65326	-0.09792	0.03439	-0.03665
0.005901	0.8988	0.149103	0.00123	0.088194	0.05685	0.286251	2.94E-10	0.091756
-0.10143	0.0284	-0.15789	0.00062	-0.00268	0.95386	-0.00558	0.90427	-0.03404
-0.14161	0.00216	-0.14461	0.00173	0.001642	0.97176	-0.01492	0.74771	0.080675
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0.076464	0.09886	-0.22627	7.78E-07	-0.07696	0.09668	-0.21707	2.19E-06	-0.12742
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0.042488	0.35961	-0.1122	0.01527	0.007228	0.8762	-0.01003	0.82887	0.17603
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0.15104	0.00106	-0.24011	1.51E-07	0.061004	0.18817	0.002622	0.95494	0.062936
-0.25942	1.28E-08	-0.44448	4.92E-24	0.011445	0.80516	0.003865	0.93362	-0.02629
-0.16418	0.00037	-0.26494	6.09E-09	-0.01301	0.77921	-0.00982	0.83233	0.033081
0.150148	0.00114	0.13719	0.00297	0.000778	0.98663	0.001053	0.98189	0.028079
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0.183811	6.45E-05	0.117976	0.01072	-0.01947	0.67468	0.053042	0.25263	-0.14351
0.178129	0.00011	-0.24942	4.70E-08	-0.01679	0.71743	-0.11158	0.01585	-0.05795
-0.08297	0.07326	-0.19267	2.77E-05	-0.02422	0.60155	-0.06689	0.14892	-0.03343
-0.13796	0.00281	-0.14242	0.00203	0.011957	0.79663	-0.02213	0.63335	0.049246
-0.04223	0.36249	0.070021	0.1308	0.020089	0.66501	0.063664	0.1696	0.055157
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0.107144	0.02057	0.029608	0.52331	-0.00796	0.86372	-0.10762	0.02001	0.117477
0.130576	0.00471	0.460723	6.45E-26	0.06553	0.15741	0.17899	0.0001	0.158835
0.077368	0.09493	-0.16666	0.0003	-0.03677	0.42794	-0.13173	0.00435	0.000443
-0.21401	3.06E-06	-0.05477	0.23747	0.156568	0.00069	0.2848	3.65E-10	0.438188
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-0.01782	0.70086	-0.08097	0.08045	-0.01536	0.74064	-0.08728	0.05947	-0.01514
0.143906	0.00182	-0.02998	0.51803	-0.001	0.98279	-0.11516	0.01276	0.040661
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0.33893	5.13E-14	0.325967	5.06E-13	-0.05521	0.23371	-0.15049	0.00111	-0.00821
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0.117799	0.01084	-0.24744	6.05E-08	-0.01684	0.7167	-0.1111	0.01631	-0.06936
-0.04781	0.30258	-0.20267	1.01E-05	-0.03286	0.47867	-0.08719	0.05974	-0.05176
0.096792	0.03653	0.018934	0.68319	0.013038	0.7787	0.014153	0.76033	0.156957
-0.15234	0.00096	-0.2903	1.61E-10	0.012629	0.78547	0.030972	0.50434	0.090203
0.2635	7.40E-09	0.038785	0.40303	-0.04864	0.29424	-0.18485	5.85E-05	-0.1248
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0.019661	0.67173	-0.01864	0.68791	-0.02114	0.6486	-0.09644	0.03721	0.081727
-0.01962	0.67233	0.300924	3.13E-11	0.029086	0.53065	0.172168	0.00019	0.059312
0.127248	0.00589	0.05793	0.21145	-0.006	0.89719	-0.06874	0.13803	0.071485
-0.04747	0.30603	-0.15389	0.00085	-0.06919	0.13543	-0.07783	0.09296	-0.17965
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0.187371	4.61E-05	-0.01564	0.73607	-0.01792	0.69939	-0.06638	0.1521	0.130948
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-0.05341	0.24936	-0.18716	4.70E-05	-0.01569	0.73525	-0.06907	0.1361	0.005545

0.076623	0.09816	0.088191	0.05685	-0.00614	0.89477	-0.07732	0.09512	0.032357
0.081756	0.07757	-0.04993	0.28155	-0.05258	0.25677	-0.12762	0.00575	-0.03277
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0.168959	0.00024	-0.03006	0.51693	-0.02659	0.56653	-0.07585	0.1016	-0.02469
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0.078212	0.09136	0.135227	0.00341	0.016964	0.71464	0.134933	0.00348	-0.01897
0.170461	0.00021	-0.00503	0.9136	-0.01655	0.72134	-0.07578	0.10193	-0.01203
0.036305	0.43379	-0.17952	9.59E-05	-0.02043	0.65965	-0.09955	0.03149	-0.06908
0.039459	0.39491	-0.31885	1.70E-12	-0.04542	0.3274	-0.12543	0.00665	-0.13481
0.169557	0.00023	0.092833	0.04495	-0.04772	0.30344	-0.1259	0.00645	0.088584
0.051206	0.26945	-0.11564	0.01239	0.042684	0.35739	0.007273	0.87543	0.116611
0.172061	0.00019	-0.10283	0.02627	-0.04861	0.29449	-0.07228	0.1188	-0.02993
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0.01376	0.76679	-0.2717	2.40E-09	-0.05569	0.22969	-0.1953	2.14E-05	-0.07627
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0.086954	0.06043	0.004726	0.91886	0.011384	0.80617	-0.04744	0.30631	-0.03289
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0.001679	0.97113	-0.07916	0.08748	0.096457	0.03719	0.040141	0.38678	0.285927
0.043689	0.34617	-0.06215	0.17999	0.020192	0.66339	-0.07237	0.11833	0.098992
0.05814	0.2098	0.016482	0.7224	-0.01985	0.66871	-0.05403	0.24389	0.126879
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0.01007	0.82818	-0.30485	1.68E-11	-0.04888	0.29179	-0.10568	0.02236	-0.05092
-0.04846	0.29596	-0.02981	0.52046	0.02036	0.66077	-0.05992	0.19618	-0.00248
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0.115212	0.01272	-0.16458	0.00036	-0.0022	0.96225	-0.09223	0.04637	0.011132
-0.04433	0.33914	0.129072	0.00521	0.027417	0.55452	0.035052	0.44984	0.0966
0.024128	0.60301	-0.0405	0.38257	-0.01832	0.69302	-0.17584	0.00013	0.154423
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0.014476	0.75503	0.069339	0.1346	0.100077	0.03059	0.202971	9.84E-06	0.158668
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0.183258	6.79E-05	-0.28649	2.84E-10	-0.05131	0.2685	-0.1828	7.09E-05	-0.09338
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0.119421	0.00979	-0.1041	0.02446	-0.02143	0.64421	-0.1303	0.0048	-0.04543
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0.335641	9.26E-14	-0.07572	0.10221	-0.05833	0.20829	-0.14024	0.00238	-0.10012
0.056665	0.22162	0.092944	0.0447	-0.03612	0.43613	-0.12604	0.00638	0.132003
0.18771	4.47E-05	0.156022	0.00072	-0.06732	0.14633	-0.09627	0.03756	-0.0555
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0.299186	4.11E-11	0.374283	5.62E-17	0.011675	0.80132	0.014194	0.75966	-0.02704
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0.116174	0.01199	-0.40876	3.10E-20	-0.05058	0.27535	-0.16404	0.00037	-0.06713
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0.048242	0.29818	0.100237	0.03033	0.005428	0.90688	-0.04588	0.32247	0.065853
-0.10895	0.01851	-0.29873	4.42E-11	0.062891	0.17485	0.010672	0.81809	0.136365
-0.19397	2.44E-05	-0.25636	1.92E-08	0.021336	0.6456	0.034257	0.46019	0.132657
0.189843	3.64E-05	0.295567	7.21E-11	-0.00013	0.99779	0.016807	0.71716	-0.08765
-0.10641	0.02146	-0.1932	2.63E-05	0.001538	0.97356	-0.08141	0.07884	0.093166
-0.01833	0.69276	-0.1138	0.01387	-0.03089	0.50548	-0.09431	0.04164	-0.01301
0.071761	0.12148	0.049894	0.28193	-0.01905	0.68129	-0.11608	0.01206	0.006025
0.172128	0.00019	0.329801	2.60E-13	0.030246	0.51439	0.193461	2.56E-05	-0.0135
-0.01868	0.68724	-0.07732	0.09513	-0.02671	0.56475	-0.08831	0.05652	0.054138
-0.03849	0.40667	-0.1418	0.00213	-0.0279	0.54754	-0.12537	0.00667	-0.00964
-0.03314	0.47491	-0.2917	1.30E-10	-0.01371	0.76754	-0.11046	0.01694	-0.05968
0.104572	0.02382	-0.29967	3.81E-11	-0.02815	0.54394	-0.09904	0.03237	-0.03319
0.225932	8.09E-07	0.394224	8.17E-19	-0.04472	0.33489	0.014928	0.74763	-0.06914
0.06028	0.19348	-0.31044	6.84E-12	-0.0896	0.053	-0.22814	6.27E-07	-0.16063
-0.03869	0.40418	-0.12267	0.00796	-0.0441	0.3416	-0.10976	0.01765	-0.06237
0.091411	0.04835	-0.18962	3.72E-05	0.027555	0.55252	-0.06479	0.16218	0.030572
0.069552	0.1334	-0.118	0.01071	0.035599	0.4428	-0.04888	0.29185	0.046513
-0.07168	0.12191	-0.18222	7.48E-05	-0.00598	0.89738	-0.03248	0.48374	0.030589
-0.15097	0.00107	-0.28097	6.39E-10	-0.02391	0.60626	-0.0172	0.71091	-0.01747
-0.00799	0.86329	-0.37854	2.33E-17	-0.04898	0.29089	-0.17412	0.00016	-0.15746
-0.09372	0.04294	-0.23279	3.63E-07	0.118613	0.0103	0.207853	5.92E-06	0.287098
-0.06918	0.13551	-0.28178	5.68E-10	-0.02372	0.60913	-0.04966	0.28423	-0.12163
-0.08741	0.05909	-0.16465	0.00035	0.003094	0.94683	0.041612	0.3696	0.136967
-0.10765	0.01997	-0.13652	0.00311	0.066202	0.15318	-0.02644	0.56866	0.046951
-0.07217	0.11936	-0.20791	5.88E-06	0.045492	0.32661	0.038658	0.40457	0.145521
0.283996	4.11E-10	0.405816	6.10E-20	-0.01498	0.74672	0.038863	0.40209	0.008585

-0.11524	0.0127	-0.35271	3.98E-15	-0.0163	0.72537	-0.07025	0.12954	-0.00295
0.130238	0.00482	0.211218	4.14E-06	0.016526	0.7217	0.019946	0.66726	0.055676
-0.0291	0.53044	-0.15137	0.00103	-0.02223	0.63174	-0.12233	0.00813	-0.03397
0.065781	0.15582	0.041431	0.37169	-0.02253	0.62719	-0.01938	0.67615	-0.00545
-0.13091	0.0046	-0.49223	7.21E-30	0.027749	0.54972	-0.1114	0.01602	-0.06706
-0.07132	0.12381	-0.10663	0.02118	0.006071	0.89589	-0.0266	0.56636	0.031797
0.126928	0.00602	-0.24946	4.68E-08	-0.00402	0.93089	-0.14294	0.00196	0.050528
0.073831	0.11107	-0.03299	0.47699	-0.0155	0.73825	0.045925	0.32202	0.202088
-0.01795	0.69877	-0.23798	1.95E-07	-0.01346	0.77168	-0.09584	0.03842	0.148894
-0.06691	0.14882	-0.19221	2.89E-05	0.010721	0.81727	-0.06129	0.18612	0.100516
-0.11114	0.01628	-0.16592	0.00032	0.0001	0.99828	-0.06673	0.14995	-0.01592
-0.06015	0.19445	-0.43544	4.98E-23	-0.02479	0.59307	-0.13499	0.00347	-0.11534
-0.12361	0.00749	-0.29443	8.58E-11	-0.00922	0.84256	-0.04889	0.29176	0.002055
-0.01271	0.78409	-0.30683	1.23E-11	-0.04493	0.33261	-0.1398	0.00246	-0.05764
0.020078	0.66519	0.22722	6.97E-07	0.054667	0.23837	0.150962	0.00107	0.165588
-0.04674	0.3135	-0.1114	0.01602	0.031527	0.49673	-0.04661	0.31484	0.134875
-0.0125	0.78755	-0.15517	0.00077	0.022766	0.62363	-0.09983	0.03101	0.081846
-0.01265	0.7852	-0.33924	4.85E-14	-0.02779	0.54907	-0.16553	0.00033	-0.04375
0.117227	0.01124	0.187941	4.37E-05	0.002982	0.94875	-0.02565	0.58037	0.011104
0.062069	0.18057	-0.12954	0.00505	-0.05257	0.25688	-0.11564	0.0124	-0.14788
0.014993	0.74658	-0.24166	1.24E-07	-0.01105	0.81175	-0.1207	0.00903	-0.06804
-0.01557	0.73717	-0.3837	7.90E-18	-0.0464	0.31708	-0.16767	0.00027	-0.12384
0.17611	0.00013	-0.03412	0.46202	-0.01297	0.77991	-0.12431	0.00715	0.104672
-0.1028	0.02632	-0.29111	1.42E-10	-0.04883	0.29233	-0.19264	2.78E-05	-0.03614
-0.05427	0.24175	-0.21866	1.84E-06	0.001288	0.97786	-0.04964	0.28439	-0.05092
-0.06524	0.15926	-0.08877	0.05524	-0.06316	0.17304	-0.16074	0.00049	0.054293
0.083039	0.07301	-0.19143	3.12E-05	-0.02171	0.63981	-0.13296	0.004	-0.06537
-0.07043	0.12855	-0.29175	1.29E-10	-0.00261	0.95511	-0.12571	0.00653	-0.01366
-0.01528	0.74186	-0.26542	5.70E-09	-0.04318	0.35179	-0.09716	0.03582	-0.00269
0.034749	0.45377	-0.04877	0.29289	0.042603	0.3583	-0.02122	0.64741	0.215602
0.140398	0.00236	-0.03567	0.44192	-0.02078	0.65419	-0.13657	0.0031	0.023191
0.163204	0.0004	-0.19227	2.88E-05	-0.02197	0.63579	-0.20177	1.11E-05	-0.05044
-0.09846	0.03341	-0.0689	0.13709	0.00041	0.99294	-0.01231	0.79072	0.075925
0.113935	0.01376	-0.1268	0.00607	-0.0015	0.97426	-0.1382	0.00276	0.005193
-0.00478	0.91796	-0.33275	1.55E-13	0.035534	0.44363	-0.15128	0.00104	-0.0855
0.097383	0.03539	0.343324	2.30E-14	-0.00844	0.8557	0.041275	0.37349	0.032183
0.056269	0.22487	-0.18568	5.41E-05	-0.01864	0.68779	-0.11637	0.01185	-0.06294
0.05635	0.2242	-0.24241	1.13E-07	-0.00388	0.93333	-0.16486	0.00035	-0.06998
0.0163	0.72534	-0.24679	6.56E-08	-0.01659	0.7206	-0.11735	0.01115	0.00793
-0.0348	0.45313	-0.29561	7.16E-11	-0.04136	0.37256	-0.15958	0.00054	-0.06774
0.076209	0.1	-0.24271	1.09E-07	0.005276	0.90946	-0.1306	0.0047	-0.04995
-0.23286	3.60E-07	-0.14176	0.00214	0.024324	0.60007	-0.01762	0.70411	0.006003
0.063295	0.17209	-0.03212	0.48869	0.06535	0.15855	-0.02079	0.65404	0.025386
0.156674	0.00068	0.05737	0.21591	0.075849	0.10161	-0.0212	0.64768	-0.02023
0.08855	0.05585	-0.07878	0.08901	0.079833	0.08483	-0.00782	0.8662	0.004142

0.109589	0.01784	-0.02276	0.62365	0.123535	0.00752	0.040039	0.38798	0.029841
0.044958	0.33233	-0.03372	0.46725	0.054539	0.23946	0.003111	0.94654	-0.01679
0.052117	0.26101	-0.01195	0.79681	0.074453	0.10809	0.026356	0.56995	0.029021
0.048878	0.29186	-0.05007	0.28027	0.145375	0.00163	0.042166	0.36325	0.186822
-0.02063	0.65652	-0.08299	0.07319	0.062158	0.17994	-0.00583	0.9	0.004052
0.075147	0.10483	-0.00961	0.83596	0.083436	0.07164	0.027019	0.56028	0.051657
-0.01654	0.7214	-0.14992	0.00116	0.060987	0.1883	0.011601	0.80256	-0.03366
0.000261	0.99552	-0.0979	0.03443	-0.00242	0.95842	-0.00463	0.92047	-0.01564
0.077589	0.09398	-0.02358	0.6113	0.094075	0.04215	0.00326	0.94399	0.02547
0.057696	0.21331	-0.03139	0.49858	0.134002	0.00372	-0.01785	0.70048	0.023568
0.020586	0.65724	-0.11753	0.01103	0.065294	0.15891	0.006661	0.88584	-0.02456
0.092626	0.04543	-0.02987	0.51965	0.115761	0.0123	0.031984	0.4905	0.023037
0.060303	0.19331	-0.06323	0.17253	0.060806	0.18961	-0.02512	0.58815	-0.03981
0.058132	0.20987	-0.06278	0.17559	0.084778	0.06718	0.008713	0.85104	0.022957
0.187532	4.54E-05	-0.09897	0.03249	0.043479	0.34849	-0.03524	0.44739	-0.00916
-0.0058	0.90057	-0.08883	0.05507	0.0522	0.26025	0.026784	0.56369	0.042544
0.067984	0.1424	-0.00838	0.85672	0.087815	0.05792	-0.00816	0.86034	0.009165
0.081476	0.07859	0.046811	0.31276	0.062317	0.17882	-0.05608	0.22645	0.042335
0.096429	0.03724	0.014288	0.75812	0.137682	0.00287	0.032476	0.48385	0.044375
0.021642	0.64087	-0.06777	0.14366	0.029312	0.52747	0.022558	0.6268	0.038556
0.027301	0.55619	-0.03868	0.40437	0.036792	0.42765	0.053588	0.24777	-0.00947
0.076567	0.09841	-0.00801	0.86289	0.102051	0.02744	0.034284	0.45984	0.075891
0.074147	0.10955	-0.0003	0.99486	0.092202	0.04644	0.036613	0.4299	0.063197
0.011083	0.81121	-0.09978	0.0311	0.046292	0.31817	-0.01369	0.768	-0.0062
0.072015	0.12016	-0.07054	0.12798	0.165987	0.00032	0.066097	0.15384	0.07488
0.073392	0.11322	0.01028	0.82466	0.053945	0.24463	-0.01253	0.78708	0.037398
0.050444	0.27665	-0.03185	0.49232	0.076591	0.0983	0.020083	0.6651	0.046966
0.0581	0.21012	-0.03896	0.40088	0.115396	0.01258	0.039748	0.39145	0.039722
0.045218	0.32953	-0.02783	0.54859	0.078416	0.09052	0.02041	0.66	0.041838
0.040636	0.38094	0.005519	0.90532	0.068576	0.13895	-0.01069	0.81773	0.035574
0.013646	0.76867	-0.11642	0.01181	0.046365	0.3174	-0.01231	0.79073	-0.01535
0.222848	1.15E-06	0.242915	1.07E-07	0.135802	0.00328	0.066838	0.14927	0.093398
0.071744	0.12156	-0.01165	0.80179	0.086661	0.06131	-0.00434	0.9255	0.06849
0.240624	1.41E-07	-0.00876	0.85032	0.09541	0.0393	-0.02098	0.65107	0.010611
0.110544	0.01686	0.043382	0.34957	0.10021	0.03037	0.023973	0.60534	-0.00536
0.066006	0.15441	-0.05395	0.2446	0.037156	0.42309	-0.0135	0.77113	-0.01848
-0.00137	0.97647	-0.0975	0.03517	0.061693	0.18322	0.011875	0.798	0.020258
0.080097	0.0838	-0.04527	0.32894	0.068326	0.1404	-0.03723	0.42213	0.013774
-0.04467	0.33547	-0.03181	0.49284	0.092586	0.04553	0.053057	0.2525	0.121487
-0.00922	0.8424	-0.08922	0.054	0.056394	0.22384	-0.00617	0.89415	0.030799
0.064546	0.16375	-0.03906	0.3997	0.082425	0.07516	0.015766	0.73399	0.047498
0.097105	0.03592	0.019834	0.669	0.080366	0.08276	0.023159	0.61764	-0.01549
0.03447	0.4574	-0.0151	0.74479	0.047318	0.30755	0.018734	0.68636	0.020552
0.048829	0.29234	-0.02025	0.66254	0.07329	0.11372	0.022267	0.63125	0.038529
0.098398	0.03352	0.039079	0.39948	0.090663	0.05023	0.028523	0.53864	-0.0077

0.068213	0.14106	-0.01071	0.81736	0.08282	0.07377	0.032178	0.48788	0.052439
0.055811	0.22867	0.00912	0.84418	0.188946	3.97E-05	0.054167	0.24269	0.084593
0.042734	0.35682	-0.05496	0.23586	0.127227	0.0059	0.050919	0.27215	0.022137
0.244358	8.91E-08	0.008662	0.85191	0.084448	0.06826	-0.00178	0.96939	0.022487
0.226852	7.27E-07	-0.03558	0.44304	0.047423	0.30647	-0.0274	0.55478	-0.10647
0.04135	0.37262	-0.04016	0.3865	0.085553	0.06471	0.005058	0.91319	0.074597
0.176027	0.00013	-0.20124	1.18E-05	0.038149	0.4108	-0.09334	0.04379	-0.00651
0.198831	1.50E-05	0.17308	0.00017	0.109274	0.01817	0.005684	0.90251	0.101807
0.178461	0.00011	0.014753	0.75051	0.055108	0.23459	-0.03449	0.45712	0.004117
0.140285	0.00238	-0.05454	0.2395	0.057979	0.21107	0.001201	0.97935	0.009565
0.080211	0.08336	0.011171	0.80973	0.085801	0.06394	0.034184	0.46114	-0.00064
0.113564	0.01407	0.054307	0.24147	0.147588	0.00138	0.014671	0.75184	0.027417
0.052028	0.26183	-0.16506	0.00034	0.097328	0.0355	-0.00482	0.91735	-0.01706
0.115166	0.01276	-0.06418	0.16616	0.065749	0.15602	-0.00989	0.83123	-0.00683
0.135121	0.00344	0.006932	0.88124	0.072267	0.11886	-0.0266	0.56642	0.051045
0.175018	0.00014	0.106446	0.02141	0.156399	0.00069	0.04992	0.28167	0.123915
0.062622	0.1767	-0.04827	0.29791	0.10481	0.0235	0.02825	0.54255	0.020962
0.09372	0.04294	-0.03783	0.41474	0.086003	0.06331	0.014554	0.75376	0.042573
0.047633	0.30433	-0.03459	0.45582	0.076729	0.0977	-0.00419	0.92799	0.019367
0.12299	0.0078	0.068405	0.13994	0.084383	0.06847	0.028139	0.54414	0.057499
0.093739	0.04289	-0.04477	0.33438	0.076662	0.09799	0.012506	0.78751	0.046347
0.045068	0.33115	-0.12504	0.00682	0.083982	0.0698	0.007803	0.86645	0.012548
0.094796	0.04059	-0.00345	0.94069	0.09893	0.03256	0.030368	0.51269	0.063628
0.102968	0.02607	0.01525	0.7424	0.105621	0.02244	0.042058	0.36449	0.065939
0.074891	0.10602	0.002114	0.96365	0.102098	0.02737	0.027982	0.54639	0.050212
0.076851	0.09716	0.012673	0.78474	0.091868	0.04724	0.029768	0.52106	0.046647
0.031701	0.49435	-0.0215	0.64303	0.088774	0.05523	0.020972	0.65124	0.003265
0.0428	0.35608	-0.02485	0.59222	0.105698	0.02235	0.028864	0.53381	0.043457
0.083581	0.07115	0.024406	0.59883	0.132846	0.00403	0.01592	0.73149	0.040234
0.071497	0.12286	0.018701	0.68688	0.103303	0.02559	0.032035	0.48981	0.054487
0.063596	0.17006	0.018808	0.68519	0.093473	0.04349	0.019539	0.67364	0.03082
0.102932	0.02613	0.06917	0.13555	0.084123	0.06933	0.007108	0.87825	0.014552
0.056779	0.22069	0.015731	0.73456	0.085559	0.06469	0.051167	0.26981	0.062079
0.12381	0.00739	0.005781	0.90085	0.100531	0.02984	0.033315	0.47262	0.064582
0.000946	0.98373	-0.20146	1.15E-05	0.035163	0.4484	-0.03548	0.44429	-0.04338
-0.03115	0.50189	-0.02816	0.54379	0.284968	3.56E-10	0.181536	7.97E-05	0.156988
0.133899	0.00374	0.100264	0.03028	0.035529	0.4437	0.007054	0.87916	0.02486
0.012811	0.78246	0.002918	0.94986	0.175607	0.00014	0.170546	0.00021	0.078596
0.007856	0.86554	-0.09034	0.05106	0.061482	0.18473	-0.00072	0.9877	-0.01648
0.078262	0.09116	0.032454	0.48415	0.042095	0.36407	-0.03958	0.39345	-0.04701
0.099023	0.0324	0.100986	0.0291	0.02932	0.52735	-0.04019	0.38614	-0.03336
0.012567	0.78649	-0.02049	0.65879	0.072705	0.11664	0.023432	0.6135	-0.02166
0.090636	0.0503	0.105768	0.02226	0.072693	0.1167	-0.01929	0.67753	-0.02257
0.084443	0.06827	-0.06854	0.13915	0.08544	0.06507	-0.00656	0.88761	-0.00821
0.130571	0.00471	-0.10394	0.02468	0.038897	0.40168	-0.0668	0.14948	-0.03641

-0.04813	0.29932	-0.12287	0.00786	0.073513	0.11262	-0.00239	0.95898	-0.01069
0.068308	0.14051	0.01272	0.78396	0.111927	0.01552	0.042914	0.3548	0.048369
0.062602	0.17684	0.004105	0.9295	0.057789	0.21257	0.006662	0.88583	0.033245
0.079555	0.08592	-0.04037	0.38408	0.096948	0.03623	0.020777	0.65427	0.046037
0.055885	0.22806	0.012668	0.78483	0.063223	0.17258	-0.01403	0.76237	0.115844
0.019898	0.668	-0.00909	0.84468	0.067242	0.14682	0.026013	0.57498	0.000798
-0.00647	0.88906	-0.1084	0.01912	0.056784	0.22065	-0.03582	0.43998	-0.005
0.012821	0.7823	-0.14926	0.00122	0.069402	0.13424	-0.03069	0.50819	-0.01576
0.04639	0.31715	-0.03112	0.50237	0.06785	0.14319	0.058039	0.21059	0.030773
0.044382	0.33856	-0.08747	0.05892	0.093963	0.0424	0.039723	0.39174	0.04657
0.042949	0.35441	-0.06469	0.16284	0.036265	0.4343	-0.01778	0.70162	-0.05171
0.056705	0.22129	-0.02111	0.64911	0.107576	0.02006	0.019363	0.67641	0.033645
0.092074	0.04674	0.034116	0.46204	0.061895	0.18179	-0.00423	0.92742	0.032869
0.073339	0.11348	0.020786	0.65413	0.11596	0.01215	0.027628	0.55147	0.055227
0.084984	0.06652	0.026064	0.57422	0.101603	0.02813	0.016494	0.72221	0.049536
0.045288	0.32878	-0.10971	0.0177	0.08304	0.073	0.002836	0.95126	-0.00432
0.088463	0.05609	-0.00642	0.88996	0.100366	0.03011	0.018271	0.69372	0.035235
0.050045	0.28047	-0.08356	0.07121	0.083193	0.07248	-0.01133	0.80713	0.162159
0.060992	0.18826	-0.04008	0.3875	0.08853	0.0559	0.026907	0.5619	0.048829
-0.03909	0.39937	-0.03402	0.46333	0.027936	0.54704	-0.04935	0.28719	-0.03259
0.13643	0.00313	-0.05146	0.2671	0.067633	0.14448	-0.03245	0.48426	-0.03712
0.128397	0.00546	0.007349	0.87415	0.126444	0.00622	0.01739	0.7078	0.053296
0.048091	0.29971	-0.04027	0.38529	0.076709	0.09778	0.025886	0.57685	0.01609
0.086287	0.06244	-0.03667	0.42913	0.066728	0.14994	0.026826	0.56309	0.002877
0.097318	0.03552	-0.04015	0.38666	0.094053	0.0422	0.000218	0.99626	0.002138
0.053255	0.25073	-0.07307	0.11483	0.05688	0.21986	0.001108	0.98095	0.007754
0.142983	0.00195	-0.10821	0.01933	0.026345	0.57011	-0.05173	0.26457	0.008047
0.064032	0.16714	-0.02601	0.57496	0.081127	0.07989	0.018298	0.69329	0.040054
-0.02877	0.53518	-0.14283	0.00197	0.075971	0.10106	0.020255	0.66241	0.036898
0.09496	0.04024	0.028237	0.54272	0.115183	0.01275	0.025469	0.58301	0.066551
0.150732	0.00109	-0.01922	0.6787	0.078313	0.09095	0.001013	0.98257	-0.01968
0.075529	0.10307	-0.01399	0.76302	0.114127	0.0136	0.027792	0.54911	0.062841
0.004242	0.92715	-0.10596	0.02201	0.08707	0.06009	0.013086	0.77791	-0.00818
0.068261	0.14078	0.08746	0.05895	0.043542	0.3478	-0.0357	0.44152	-0.02817
0.045786	0.32349	0.079323	0.08684	0.055505	0.23123	0.024984	0.59019	-0.00476
0.033841	0.46566	-0.01495	0.74722	0.094588	0.04104	0.069533	0.13351	0.078761
0.058993	0.20318	0.165148	0.00034	0.166827	0.00029	0.285824	3.14E-10	0.418569
0.1188	0.01018	-0.28291	4.82E-10	0.022717	0.62437	-0.10952	0.01791	-0.0518
0.113095	0.01447	-0.10356	0.02522	0.078511	0.09013	0.072861	0.11585	0.027609
0.083985	0.06979	0.025549	0.58183	0.067774	0.14364	0.026972	0.56097	0.046752
0.08922	0.05401	-0.03054	0.51031	0.025619	0.58079	-0.03743	0.41965	-0.02135
0.109756	0.01766	-0.02246	0.62835	0.05089	0.27242	-0.00255	0.95613	0.011094
0.133548	0.00384	0.03072	0.50781	0.036587	0.43023	-0.01968	0.67149	0.005698
0.058376	0.20796	-0.00577	0.90103	0.050633	0.27485	0.036586	0.43024	0.089361
0.055039	0.23518	-0.01884	0.68466	0.027141	0.55851	-0.03519	0.44809	-0.00758

0.019306	0.67732	-0.08316	0.07259	0.084893	0.06681	-0.00031	0.99465	0.026187
0.010999	0.81261	-0.11035	0.01705	0.079202	0.08733	-0.02044	0.65951	-0.01628
0.101413	0.02843	0.024935	0.59093	0.094842	0.04049	0.04291	0.35484	0.080434
-0.00187	0.96791	-0.01466	0.75199	0.07006	0.13058	0.090193	0.05144	0.136045
0.151246	0.00104	0.000988	0.98301	0.007893	0.86493	-0.07677	0.09751	-0.02734
0.038732	0.40368	-0.0285	0.539	0.019558	0.67335	-0.05495	0.23596	-0.0055
0.014358	0.75697	-0.03272	0.48054	0.062828	0.17528	-0.02774	0.54987	-0.02283
0.136431	0.00313	0.075514	0.10314	0.073781	0.11131	0.02004	0.66577	0.096586
0.059501	0.19931	-0.00887	0.84837	0.086042	0.06319	-0.01555	0.73755	0.01489
0.117467	0.01107	0.021585	0.64175	0.127242	0.0059	0.017245	0.71012	0.026651
0.060982	0.18833	0.001557	0.97323	0.064312	0.16529	-0.00681	0.88331	0.005264
0.126356	0.00625	0.017881	0.69994	0.089136	0.05424	0.000122	0.9979	0.029965
0.185638	5.44E-05	-0.00683	0.88296	0.042698	0.35723	-0.02713	0.55863	-0.00166
-0.01034	0.8237	-0.15134	0.00104	0.246643	6.69E-08	0.192192	2.90E-05	0.112857
0.109273	0.01817	-0.08731	0.05937	0.119581	0.00969	0.010244	0.82525	0.039065
0.097305	0.03554	0.004712	0.91911	0.129642	0.00502	0.015498	0.73835	0.029894
0.134156	0.00368	0.053183	0.25137	0.106982	0.02076	0.005995	0.8972	0.032488
0.034475	0.45734	-0.12535	0.00668	0.053076	0.25232	0.019113	0.68037	-0.03561
0.060878	0.18909	0.004458	0.92346	0.11036	0.01704	0.034004	0.46351	0.018141
-0.06182	0.18234	-0.29989	3.68E-11	0.040345	0.38437	-0.04263	0.35802	-0.03172
-0.01216	0.79318	-0.19559	2.08E-05	0.039985	0.38862	-0.01545	0.73911	-0.04028
0.14028	0.00238	0.157895	0.00062	0.084546	0.06794	0.006463	0.88922	0.06863
0.085065	0.06626	0.029946	0.51858	0.022876	0.62194	0.035303	0.4466	0.078533
0.057218	0.21713	-0.01079	0.81604	0.115458	0.01253	0.031397	0.4985	0.04889
0.030625	0.50913	-0.01075	0.81676	0.067383	0.14597	0.014401	0.75626	0.198303
0.083243	0.0723	0.019603	0.67264	0.102964	0.02608	-0.00766	0.86881	0.027433
0.103166	0.02579	0.018382	0.69195	0.104645	0.02373	0.020652	0.65622	0.073355
0.071458	0.12306	0.015765	0.73402	0.152671	0.00093	0.030368	0.5127	0.07901
-0.00514	0.91179	-0.13586	0.00326	0.037716	0.41613	-0.02506	0.58903	-0.04149
0.175668	0.00014	0.066257	0.15284	0.053846	0.2455	-0.03654	0.43087	0.025734
0.045379	0.32782	-0.01646	0.72269	0.077039	0.09634	0.012221	0.79223	0.075891
0.180329	8.90E-05	0.148494	0.00129	0.045169	0.33006	-0.02967	0.52244	-0.00267
0.099481	0.0316	0.074582	0.10747	0.052634	0.2563	0.000248	0.99573	0.040001
-0.00644	0.88954	-0.04111	0.37538	0.062913	0.1747	0.017078	0.71281	0.017686
0.047102	0.30977	-0.11845	0.01041	0.092013	0.04689	-0.02277	0.6236	-0.04586
0.099738	0.03117	0.012749	0.78349	0.10379	0.0249	0.038434	0.40731	0.081985
0.042482	0.35967	-0.12276	0.00791	0.10865	0.01884	0.042447	0.36006	0.08603
0.096486	0.03713	-0.02086	0.65297	0.104215	0.02431	0.019252	0.67818	0.04049
0.080263	0.08316	0.036807	0.42746	0.104948	0.02332	0.031064	0.50308	0.077375
0.041828	0.36712	-0.01596	0.73085	0.082949	0.07332	0.028393	0.5405	0.053071
-0.0357	0.44146	-0.10764	0.01998	0.069832	0.13184	0.019508	0.67414	-0.02688
0.101969	0.02757	-0.01528	0.74188	0.101205	0.02876	0.017269	0.70973	0.043142
0.006966	0.88066	-0.07152	0.12273	0.073985	0.11033	0.006623	0.88649	0.008486
0.147456	0.0014	-0.01678	0.71757	0.106119	0.02181	-0.00873	0.85079	0.023725
0.06165	0.18353	-0.03779	0.41524	0.084117	0.06935	0.004591	0.92117	0.032837



-0.03772	0.41605	-0.18331	6.76E-05	0.119453	0.00977	0.100303	0.03022	0.128722
0.150992	0.00106	-0.06618	0.15331	0.0299	0.51921	-0.0435	0.34828	-0.00063
0.042069	0.36437	-0.06122	0.1866	0.043374	0.34966	-0.0332	0.47419	0.036086
-0.04198	0.36537	-0.07396	0.11044	0.063528	0.17051	-0.00144	0.97531	0.082503
-0.01283	0.78209	-0.03419	0.46102	0.046875	0.3121	0.088222	0.05677	0.109183
0.071307	0.12386	0.006095	0.89548	-0.00468	0.91963	-0.03397	0.46394	-0.01506
0.021406	0.64451	-0.17452	0.00015	0.003853	0.93382	-0.06886	0.1373	-0.02647
0.043451	0.34881	-0.0188	0.68531	0.080106	0.08376	0.006524	0.88818	0.043994
0.002772	0.95237	-0.08886	0.055	0.07372	0.11161	-0.01656	0.72119	0.009238
0.04821	0.2985	0.136075	0.00321	0.040402	0.38369	-0.02452	0.59713	-0.00261
-0.06219	0.17969	-0.2176	2.07E-06	0.018036	0.69746	-0.01245	0.78836	-0.01293
0.045803	0.32331	0.01838	0.69198	0.137783	0.00285	0.001291	0.97781	0.017721
0.078358	0.09076	-0.05303	0.25275	0.039505	0.39435	-0.03091	0.50519	0.000163
0.063337	0.17181	0.171962	0.00019	0.153467	0.00088	0.049713	0.28368	0.373583
-0.0072	0.87665	-0.14867	0.00127	0.09029	0.05118	0.018673	0.68733	0.055162
-0.00421	0.92779	-0.08362	0.071	0.043802	0.34492	0.143452	0.00188	0.028382
0.152625	0.00094	0.022073	0.63423	0.077992	0.09228	0.019326	0.677	0.02571
0.120836	0.00895	0.11062	0.01678	0.09118	0.04893	0.010277	0.82471	0.052849
0.095051	0.04005	-0.03837	0.40807	0.158537	0.00058	0.111102	0.01631	0.162374
0.110791	0.01661	0.051847	0.2635	0.093275	0.04394	0.028851	0.53399	0.016254
0.049834	0.28251	0.038268	0.40934	0.036051	0.43702	-0.03776	0.41553	-0.03435
-0.02604	0.57456	-0.07457	0.10751	0.100224	0.03035	0.192154	2.91E-05	0.094141
0.152126	0.00097	0.068191	0.14119	0.039178	0.39828	0.012131	0.79373	0.091046
0.053835	0.2456	-0.10814	0.01941	0.073502	0.11268	-0.02626	0.57135	0.013335
0.075508	0.10316	0.034898	0.45184	0.064716	0.16264	-0.00982	0.83241	0.087916
0.082971	0.07325	0.023122	0.6182	0.118393	0.01045	0.024553	0.59664	0.035418
0.033204	0.47411	-0.03328	0.47314	0.078943	0.08837	0.038982	0.40065	0.091087
0.061321	0.18589	-0.03748	0.41903	0.078991	0.08818	0.027202	0.55763	0.075728
0.036645	0.4295	0.015956	0.73092	0.047627	0.30439	-0.02253	0.62721	0.02178
0.107318	0.02036	-0.01711	0.71222	0.125381	0.00667	0.030126	0.51606	0.065589
0.081245	0.07944	0.038183	0.41038	0.083694	0.07077	0.046504	0.31595	0.052415
0.088904	0.05487	-0.03604	0.43722	0.100785	0.02943	0.001715	0.97052	0.032569
0.056214	0.22532	0.063077	0.17357	0.078251	0.0912	0.058638	0.20592	0.050569
0.197471	1.72E-05	-0.0044	0.9245	0.071973	0.12038	-0.00876	0.85019	0.051644
0.110404	0.017	0.025568	0.58154	0.109897	0.01751	0.040639	0.38091	0.042267
0.055423	0.23193	0.025042	0.58934	0.069266	0.13501	0.040436	0.38329	0.0427
0.092157	0.04654	0.006118	0.8951	0.102851	0.02624	0.025267	0.586	0.050602
0.083375	0.07185	0.021324	0.64579	0.086477	0.06186	0.021415	0.64437	0.053136
0.099604	0.03139	0.031777	0.49332	0.112109	0.01536	0.013094	0.77777	0.043227
0.066048	0.15414	0.012105	0.79417	0.107504	0.02014	0.033902	0.46486	0.054528
0.039752	0.3914	-0.04065	0.38079	0.071762	0.12147	0.022491	0.62782	0.039984
0.055599	0.23045	-0.0086	0.85301	0.068699	0.13824	0.011106	0.81082	0.056398
0.086719	0.06114	0.037083	0.424	0.088143	0.05699	0.023771	0.60837	0.037712
0.08495	0.06663	-0.00365	0.93734	0.111612	0.01582	0.021969	0.63583	0.054937
0.073528	0.11255	-0.01215	0.79346	0.115795	0.01228	0.034574	0.45605	0.047508

0.054373	0.24091	-0.02383	0.60743	0.066771	0.14968	0.030049	0.51714	0.035687
0.095693	0.03872	0.020035	0.66585	0.101802	0.02782	0.017634	0.70389	0.036015
0.076714	0.09776	0.021782	0.6387	0.095184	0.03977	0.028694	0.53622	0.06519
0.091413	0.04835	-0.01718	0.71109	0.106365	0.02151	0.010472	0.82144	0.05896
0.068471	0.13956	0.010587	0.81951	0.096892	0.03633	0.028993	0.53197	0.061176
0.091701	0.04764	0.044179	0.34078	0.09384	0.04267	0.023558	0.6116	0.057588
-0.04395	0.34335	-0.05695	0.21927	0.075302	0.10411	0.167263	0.00028	-0.00027
0.072701	0.11666	-0.05681	0.22044	0.015951	0.73099	0.025345	0.58484	-0.0028
0.138135	0.00278	-0.02612	0.57342	0.077206	0.09563	0.00236	0.95943	0.026811
0.043885	0.344	0.027828	0.54859	0.100996	0.02909	0.111422	0.016	0.342266
0.226313	7.74E-07	0.176802	0.00012	0.082725	0.0741	0.06087	0.18915	0.070361
0.03597	0.43805	-0.06518	0.15965	0.007137	0.87775	-0.08265	0.07435	-0.04284
0.152441	0.00095	-0.07481	0.10638	0.028421	0.5401	-0.14544	0.00163	-0.09403
0.138692	0.00267	0.047835	0.30228	0.102931	0.02613	0.021511	0.64289	0.056222
0.050476	0.27634	-0.05908	0.20251	0.048863	0.292	-0.02929	0.52775	0.020862
0.037534	0.41838	-0.0396	0.39316	0.105599	0.02247	-0.01601	0.73007	0.038733
0.024684	0.59468	-0.03774	0.41579	0.007056	0.87913	-0.07284	0.11595	0.021123
0.051921	0.26281	0.026321	0.57046	0.089282	0.05385	0.013633	0.76888	0.054113
0.104692	0.02366	0.07452	0.10777	0.140143	0.0024	0.375348	4.52E-17	0.188477
0.024587	0.59613	0.056146	0.22588	-0.01635	0.72446	-0.00223	0.96171	0.057386
-0.00143	0.97548	-0.06902	0.13642	0.066212	0.15312	0.05513	0.23441	-0.01004
0.010882	0.81457	-0.02036	0.66076	0.044385	0.33853	0.065742	0.15607	0.208592
0.053313	0.25021	0.026737	0.56438	0.095421	0.03928	-0.00218	0.96245	0.056123
0.043443	0.34889	-0.04181	0.36737	0.079086	0.08779	0.059504	0.19928	0.081709
0.03939	0.39573	-0.05069	0.27435	0.090883	0.04967	0.016741	0.71822	0.029988
0.123852	0.00737	0.116033	0.0121	0.101622	0.0281	0.049693	0.28387	0.208822
0.087258	0.05954	0.084816	0.06706	0.031106	0.5025	0.002645	0.95454	0.080078
0.055878	0.22811	0.010652	0.81842	0.162946	0.00041	0.034912	0.45166	0.075191
0.118157	0.0106	-0.08881	0.05513	0.068501	0.13938	-0.01673	0.71844	0.0006
0.12791	0.00564	0.040894	0.37793	0.080651	0.08168	-0.01888	0.68407	0.040278
0.109135	0.01832	-0.08242	0.07518	0.056497	0.22299	-0.02338	0.61435	0.015306
0.074167	0.10945	0.006023	0.89672	0.080557	0.08203	0.036377	0.43288	0.00709
-0.03178	0.49324	-0.16902	0.00024	0.062246	0.17932	-0.01151	0.80412	-0.04267
0.075946	0.10117	-0.12356	0.00751	0.060494	0.1919	-0.00991	0.83089	-0.01613
0.322386	9.36E-13	0.100165	0.03045	0.057514	0.21476	-0.06901	0.13645	-0.01518
-0.00427	0.92673	-0.05095	0.27181	0.039696	0.39207	-0.01465	0.75216	0.003076
-0.06287	0.17502	0.033797	0.46624	0.059466	0.19958	0.07462	0.10729	0.123129
0.09497	0.04022	0.059541	0.199	0.124378	0.00712	0.043062	0.35314	0.051862
0.052843	0.25442	-0.03215	0.48829	0.049894	0.28193	-0.02061	0.65693	0.018082
0.109522	0.01791	0.025381	0.58431	0.114782	0.01306	0.014867	0.74864	0.068015
-0.04392	0.3436	-0.194	2.43E-05	0.044395	0.33843	-0.03251	0.48336	-0.02645
0.092844	0.04493	-0.0289	0.53326	0.090729	0.05006	-0.01562	0.73644	-0.01621
0.051364	0.26797	-0.05607	0.22648	0.082656	0.07434	0.023552	0.61169	0.02213
0.071864	0.12094	-0.01015	0.82676	0.135289	0.0034	0.033725	0.4672	0.079658
-0.04566	0.32481	-0.14856	0.00128	0.041482	0.3711	-0.02022	0.66295	-0.07138

0.073243	0.11395	0.018169	0.69534	0.095875	0.03835	0.015898	0.73185	0.051961
0.141792	0.00213	-0.05739	0.21571	0.060597	0.19114	-0.04547	0.32687	-0.00418
0.089197	0.05408	0.020499	0.65861	0.126691	0.00612	0.025445	0.58336	0.060451
0.098742	0.0329	0.034621	0.45543	-0.00112	0.98077	0.091282	0.04867	0.002641
-0.02037	0.66056	-0.15679	0.00067	-0.02815	0.54398	-0.04295	0.35441	-0.047
-0.04638	0.31726	0.007303	0.87493	-0.03043	0.5118	-0.00752	0.87118	0.003789
-0.1797	9.43E-05	-0.11272	0.01481	-0.019	0.68212	0.040585	0.38154	-0.05005
0.199384	1.42E-05	0.293449	9.97E-11	0.004927	0.91543	-0.00887	0.84842	0.147805
-0.11196	0.0155	0.122856	0.00786	0.019147	0.67983	0.091779	0.04745	0.135209
0.030621	0.50918	0.235961	2.49E-07	-0.00934	0.84045	0.059672	0.19802	-0.0564
0.115987	0.01213	0.11234	0.01515	-0.00705	0.8792	-0.00402	0.93088	0.027931
0.042058	0.36449	0.271371	2.51E-09	-0.0108	0.816	0.012734	0.78374	0.068646
0.047398	0.30673	0.026743	0.56429	0.062583	0.17697	0.16655	0.0003	0.126838
-0.07568	0.10236	0.049075	0.28992	-0.06752	0.14518	-0.05544	0.23177	-0.06299
-0.15567	0.00074	-0.0763	0.09959	-0.01262	0.78559	-0.017	0.71407	-0.01472
-0.0357	0.44156	0.005303	0.909	-0.01402	0.76259	-0.00999	0.8296	0.052365
0.016285	0.72559	-0.10064	0.02966	-0.06072	0.19023	-0.11918	0.00994	-0.13445
-0.20222	1.06E-05	0.033814	0.46601	0.028028	0.54572	0.038486	0.40667	0.062152
0.165686	0.00032	0.114116	0.0136	-0.01119	0.80939	-0.02102	0.65049	-0.02056
0.010559	0.81997	-0.02109	0.64937	-0.01893	0.68331	0.030933	0.50488	0.111127
-0.11098	0.01643	-0.21089	4.29E-06	-0.0521	0.2612	-0.05433	0.24128	-0.01982
-0.06996	0.13116	0.006886	0.88201	-0.0363	0.43384	-0.02948	0.5251	-0.03753
0.016569	0.721	0.142156	0.00207	-0.05881	0.20459	-0.04093	0.37755	0.033866
-0.20485	8.11E-06	-0.2179	2.00E-06	-0.01309	0.77776	-0.02759	0.55195	0.019724
-0.05329	0.25041	-0.03761	0.41739	-0.05384	0.24558	-0.02018	0.6636	-0.05796
-0.11048	0.01692	0.022119	0.63353	-0.0367	0.42876	-0.01426	0.75857	-0.04196
-0.26239	8.60E-09	-0.22475	9.26E-07	-0.01366	0.76842	0.019213	0.67878	0.063936
-0.09454	0.04113	0.272069	2.28E-09	-0.04798	0.30079	-0.03283	0.47914	-0.05619
0.059733	0.19756	0.160633	0.00049	-0.00456	0.9217	-0.0036	0.93815	0.117044
-0.11039	0.01701	-0.04877	0.29288	0.009421	0.83909	0.143169	0.00192	0.068998
-0.17109	0.0002	-0.00134	0.97704	0.021748	0.63922	0.120354	0.00923	0.063276
0.200468	1.27E-05	0.305457	1.53E-11	0.000967	0.98338	-0.02431	0.60031	0.045849
-0.24132	1.30E-07	-0.28453	3.80E-10	-0.01225	0.7918	-0.01328	0.77477	-0.05288
-0.14078	0.00229	0.10526	0.02291	-0.01473	0.75095	0.06204	0.18077	0.014387
0.306489	1.30E-11	0.336848	7.46E-14	-0.03426	0.46015	-0.08121	0.07959	0.068624
-0.11428	0.01347	0.042586	0.35849	-0.05085	0.27278	-0.08294	0.07335	-0.02791
0.093292	0.0439	0.282613	5.03E-10	0.024348	0.5997	0.03013	0.51601	0.071351
0.038981	0.40066	0.091769	0.04748	-0.01419	0.75971	0.040917	0.37765	-0.02219
-0.01113	0.81049	0.150277	0.00112	0.00158	0.97283	0.025847	0.57742	0.007842
-0.15933	0.00055	-0.10629	0.0216	-0.02365	0.61015	0.012221	0.79225	-0.03145
-0.02444	0.59835	0.210327	4.55E-06	-0.07788	0.09276	-0.06639	0.15204	-0.08058
-0.06996	0.13115	0.0491	0.28966	-0.04137	0.37239	-0.03208	0.48924	0.110102
-0.07837	0.09069	-0.21184	3.87E-06	-0.01502	0.74607	-0.07775	0.09331	-0.05586
0.015968	0.73072	0.184535	6.03E-05	-0.00058	0.99001	-0.02299	0.62022	0.000573
-0.04671	0.31377	0.073551	0.11244	-0.0041	0.9295	0.058087	0.21022	-0.02675

0.042314	0.36157	0.001065	0.98169	-0.04716	0.30917	-0.10609	0.02185	0.018762
0.150583	0.0011	0.227673	6.62E-07	-0.0512	0.2695	-0.07527	0.10426	-0.06499
-0.19219	2.90E-05	-0.23159	4.19E-07	-0.06404	0.16707	-0.04044	0.38326	-0.07609
0.07021	0.12976	0.114889	0.01298	-0.01508	0.74517	-0.04581	0.32324	0.05783
-0.03488	0.45211	0.16673	0.0003	-0.04462	0.33603	-0.0154	0.73987	-0.12084
-0.00306	0.94744	-0.07469	0.10698	-0.05349	0.24863	-0.0968	0.03651	0.001117
0.229598	5.29E-07	0.454059	3.93E-25	-0.00448	0.92316	-0.02563	0.58067	0.247643
-0.01406	0.76178	-0.0575	0.2149	-0.02158	0.64188	-0.01018	0.82631	-0.00857
0.058845	0.20432	0.073666	0.11187	-0.02683	0.56302	-0.04685	0.31241	0.006766
-0.02891	0.53311	0.11646	0.01178	-0.05999	0.19563	-0.00591	0.89859	-0.0562
-0.12632	0.00627	-0.0188	0.68527	-0.03021	0.51489	0.015687	0.73528	-0.01237
0.167482	0.00028	0.264859	6.16E-09	-0.02766	0.55105	0.048155	0.29906	0.019108
0.021888	0.63708	-0.08758	0.05859	-0.03099	0.50412	-0.06059	0.19121	-0.07726
0.121684	0.00848	0.08253	0.07479	-0.01842	0.69139	-0.02608	0.57403	0.097057
0.108575	0.01893	0.204177	8.69E-06	0.018559	0.68914	0.049323	0.28748	0.204576
-0.09812	0.03402	-0.14423	0.00178	-0.03999	0.38853	-0.10896	0.0185	-0.06235
-0.09667	0.03678	-0.13341	0.00387	-0.0397	0.39199	-0.04831	0.29755	-0.05071
0.024642	0.5953	-0.0884	0.05627	-0.06257	0.17705	-0.14561	0.0016	-0.05034
-0.05816	0.20961	-0.03451	0.45684	-0.03946	0.39487	0.018332	0.69275	0.036319
0.152682	0.00093	0.232564	3.73E-07	-0.03679	0.42763	-0.08971	0.0527	-0.0605
-0.06925	0.13509	0.243481	9.93E-08	0.02761	0.55172	0.163068	0.0004	0.139684
-0.00807	0.86186	0.061486	0.1847	0.022635	0.62562	0.049439	0.28635	0.0677
-0.01914	0.67997	-0.05563	0.23018	-0.01937	0.67631	-0.01202	0.7956	0.004381
0.182585	7.23E-05	0.270561	2.81E-09	-0.02713	0.55866	0.030334	0.51316	-0.10314
-0.05761	0.21398	-0.08327	0.07221	-0.01177	0.79971	-0.01674	0.71826	0.05283
-0.17317	0.00017	0.046284	0.31825	-0.01755	0.70525	0.024728	0.59402	0.002487
0.203106	9.71E-06	0.128793	0.00531	-0.03662	0.42984	-0.06926	0.13503	0.024789
0.071029	0.12533	-0.01028	0.82459	-0.03503	0.45013	-0.03521	0.44786	-0.08723
0.130362	0.00478	0.191283	3.17E-05	0.00033	0.99433	0.090904	0.04962	0.067348
-0.10087	0.0293	0.002617	0.95503	0.032824	0.47918	0.055028	0.23527	0.041242
0.282101	5.42E-10	0.405322	6.82E-20	0.032039	0.48976	0.180249	8.97E-05	0.392591
-0.12519	0.00675	-0.14196	0.0021	-0.03316	0.4747	-0.0627	0.17615	-0.09051
0.009998	0.82939	0.028515	0.53876	-0.06361	0.16999	-0.02749	0.55348	-0.05273
0.179685	9.44E-05	0.246857	6.51E-08	-0.0138	0.76609	0.009418	0.83915	-0.00369
0.193609	2.52E-05	0.511895	1.49E-32	0.036106	0.43632	0.090325	0.05109	0.13789
-0.06881	0.1376	-0.08325	0.07228	-0.03181	0.49284	-0.09406	0.04219	-0.09586
0.220309	1.53E-06	0.221609	1.32E-06	-0.05102	0.27116	-0.09882	0.03276	-0.00826
-0.12067	0.00905	-0.02267	0.6251	0.00262	0.95497	0.023329	0.61506	0.021755
-0.00314	0.94611	0.002279	0.96082	-0.03423	0.46053	-0.04701	0.31074	-0.07624
-0.03329	0.47298	0.048509	0.29552	-0.03434	0.45913	-0.01902	0.68183	-0.06196
0.038309	0.40884	0.037781	0.41532	-0.05254	0.25716	-0.08825	0.05668	-0.02995
0.007238	0.87603	0.19162	3.07E-05	-0.04178	0.36768	0.006587	0.88711	0.035887
0.074581	0.10748	0.094648	0.04091	-0.0006	0.98964	0.000726	0.98752	0.098504
0.189757	3.67E-05	0.435354	5.08E-23	-0.02603	0.57473	-0.00359	0.93835	0.09143
-0.02664	0.56575	0.078905	0.08852	-0.00299	0.94857	0.028078	0.54501	0.017281

-0.09683	0.03646	0.094201	0.04187	-0.04883	0.29234	-0.01848	0.6904	0.099505
0.025138	0.58792	-0.04799	0.30075	-0.03505	0.44992	-0.03299	0.47691	-0.02383
-0.00618	0.89396	-0.00739	0.87348	-0.03211	0.48885	-0.02817	0.54373	0.06653
-0.05568	0.22981	-0.01992	0.66766	-0.00123	0.97891	0.009357	0.84017	0.04623
-0.25914	1.33E-08	-0.27015	2.98E-09	-0.02506	0.58911	0.036977	0.42532	-0.02553
-0.05594	0.22762	0.04304	0.35339	-0.00921	0.84259	0.006343	0.89126	0.021539
0.243231	1.02E-07	0.081822	0.07733	-0.02989	0.51934	-0.07912	0.08767	0.081267
0.108007	0.01956	0.167085	0.00029	0.000978	0.98318	-0.02793	0.5472	0.038383
-0.15449	0.00081	-0.16564	0.00032	-0.0433	0.35048	-0.00797	0.86365	-0.00371

p.MMdarl	MMgreen	p.MMgree	MMlightg	p.MMligh	MMmagenta	p.MMmag	MMblack	p.MMblac
0.43864	0.103923	0.02471	-0.03285	0.47887	0.1142534	0.01349	0.237952	1.96E-07
0.59345	-0.33115	2.05E-13	-0.13522	0.00341	0.04910425	0.28962	0.064634	0.16317
0.98043	-0.14879	0.00126	-0.10537	0.02277	-0.0020976	0.96394	-0.01394	0.76375
0.47661	-0.24562	7.61E-08	-0.13444	0.00361	0.02010467	0.66476	0.081546	0.07834
0.91255	-0.21719	2.16E-06	-0.24495	8.27E-08	-0.068258	0.1408	-0.038	0.41262
0.49686	-0.14909	0.00123	-0.11408	0.01363	0.03423068	0.46054	0.095135	0.03988
0.12745	-0.05018	0.27918	-0.0339	0.46491	0.01984456	0.66884	0.088243	0.05671
0.62892	-0.15389	0.00085	-0.09248	0.04578	0.07280493	0.11614	0.127924	0.00563
0.42514	-0.13063	0.00469	-0.03816	0.41062	0.05029373	0.27809	0.06447	0.16425
0.02543	-0.14705	0.00144	-0.05016	0.27937	0.02903965	0.53131	0.022402	0.62918
0.4961	-0.08394	0.06994	-0.11741	0.01111	0.01910562	0.68048	0.0764	0.09915
0.30078	-0.03532	0.44643	-0.0136	0.76935	0.07586331	0.10155	0.100084	0.03058
0.52292	-0.14828	0.00131	-0.04769	0.30378	0.05049774	0.27614	-0.00015	0.99748
3.86E-05	-0.12633	0.00626	-0.08859	0.05573	0.18076845	8.55E-05	0.27994	7.42E-10
0.47856	-0.16105	0.00048	-0.05293	0.25361	0.05972724	0.1976	0.084555	0.06791
0.77746	-0.17279	0.00018	-0.06126	0.18629	0.07039058	0.12877	0.073015	0.11509
0.01034	-0.15167	0.00101	-0.09849	0.03335	0.08580615	0.06392	0.077098	0.09609
0.98878	-0.10038	0.03009	-0.1625	0.00042	-0.0129568	0.78005	0.083247	0.07229
0.18068	0.026318	0.5705	0.065144	0.15987	0.03831832	0.40872	0.004661	0.91998
0.38693	-0.10648	0.02136	-0.03614	0.43595	0.07619786	0.10005	0.090094	0.05169
0.60344	0.016068	0.7291	0.033491	0.47029	0.04884347	0.2922	0.057476	0.21506
0.53039	-0.13664	0.00309	-0.18773	4.46E-05	-0.0457599	0.32377	-0.09549	0.03913
0.06129	-0.01144	0.80524	-0.0119	0.7976	0.09078056	0.04993	0.174826	0.00015
0.60076	-0.01568	0.73545	-0.00519	0.91089	0.05600125	0.22708	0.082989	0.07318
0.76663	0.020905	0.65228	0.062008	0.18099	-0.0254045	0.58396	-0.03943	0.39529
0.28595	-0.24323	1.03E-07	-0.14881	0.00126	0.05266455	0.25603	0.139741	0.00247
0.92544	-0.20653	6.80E-06	-0.11208	0.01538	0.07815453	0.09161	0.117066	0.01135
0.96728	-0.05537	0.23234	-0.01458	0.75334	0.10818902	0.01936	0.123261	0.00766
0.62172	-0.07139	0.12344	0.02819	0.5434	0.03189112	0.49177	0.00479	0.91777
0.45779	-0.18058	8.70E-05	-0.11211	0.01535	-0.0610307	0.18798	-0.113	0.01455
0.15736	-0.29653	6.22E-11	-0.14331	0.00191	-0.0155652	0.73726	0.007937	0.86417
0.71211	-0.2249	9.10E-07	-0.09063	0.05031	0.06077787	0.18982	0.125905	0.00644
0.30265	-0.32942	2.78E-13	-0.14794	0.00135	0.02597567	0.57553	0.078848	0.08876
0.05929	-0.17529	0.00014	-0.09635	0.0374	-0.0147837	0.75	-0.01579	0.73358
0.16727	-0.02158	0.64188	0.015507	0.7382	0.2163472	2.37E-06	0.266619	4.84E-09
3.69E-05	-0.24469	8.55E-08	-0.14091	0.00227	0.05535568	0.2325	0.034225	0.46061
0.30533	-0.15519	0.00077	-0.13464	0.00356	0.00801944	0.86278	0.079107	0.08771
0.11741	-0.05315	0.25165	0.028316	0.5416	-0.0300668	0.51689	-0.06635	0.15229
0.36727	-0.21703	2.20E-06	-0.14447	0.00175	0.00465014	0.92017	0.021202	0.64767
0.09725	-0.16325	0.0004	-0.10547	0.02264	0.09495396	0.04026	0.221687	1.31E-06
0.97666	-0.23664	2.29E-07	-0.08002	0.0841	0.05940284	0.20005	0.067777	0.14362
0.42371	-0.20999	4.72E-06	-0.02823	0.54278	0.10796235	0.01961	0.101486	0.02831
0.40136	0.214764	2.82E-06	0.211533	4.00E-06	0.3750354	4.82E-17	0.492712	6.22E-30
0.00832	0.394958	6.95E-19	0.402627	1.26E-19	0.50035346	5.89E-31	0.516203	3.66E-33

1.49E-22	-0.10362	0.02514	0.18334	6.74E-05	0.51203061	1.43E-32	0.572351	5.42E-42
0.00102	-0.1681	0.00026	0.019543	0.67358	0.58147827	1.36E-43	0.548615	4.68E-38
0.49079	0.072684	0.11675	0.203276	9.54E-06	0.45434011	3.64E-25	0.438512	2.28E-23
0.7869	0.138828	0.00264	0.140003	0.00243	0.27019539	2.96E-09	0.389493	2.29E-18
0.02595	0.016638	0.71989	0.051012	0.27127	0.39315939	1.03E-18	0.478191	4.67E-28
0.00033	0.066221	0.15307	0.268466	3.76E-09	0.44142057	1.09E-23	0.418268	3.34E-21
0.10811	0.485324	5.74E-29	0.397124	4.31E-19	0.46864482	7.15E-27	0.532557	1.45E-35
0.00024	0.077426	0.09468	0.222731	1.16E-06	0.5822923	9.73E-44	0.690571	2.00E-67
0.00174	0.097286	0.03558	0.242755	1.09E-07	0.40247549	1.30E-19	0.461018	5.95E-26
0.00025	0.131892	0.0043	0.119546	0.00972	0.3553005	2.43E-15	0.470013	4.86E-27
0.14986	0.401943	1.47E-19	0.44653	2.88E-24	0.42377703	8.90E-22	0.48974	1.53E-29
3.62E-08	-0.08532	0.06546	0.146574	0.00149	0.56097323	4.58E-40	0.68908	4.99E-67
0.1923	0.417425	4.08E-21	0.401718	1.54E-19	0.6772027	6.00E-64	0.81355	#####
0.83561	0.154719	0.00079	0.270162	2.97E-09	0.43183094	1.23E-22	0.613932	1.03E-49
0.11634	0.434767	5.89E-23	0.471544	3.15E-27	0.55686049	2.18E-39	0.596891	2.05E-46
0.00137	0.221656	1.31E-06	0.226004	8.02E-07	0.41938063	2.56E-21	0.509515	3.22E-32
0.75751	-0.03686	0.42684	0.093357	0.04375	0.53258183	1.43E-35	0.458613	1.15E-25
0.75132	0.410321	2.16E-20	0.249535	4.64E-08	0.54339289	3.13E-37	0.719506	1.21E-75
0.16582	-0.12779	0.00568	0.017498	0.70606	0.49913647	8.61E-31	0.575157	1.77E-42
0.84447	-0.01163	0.80201	-0.32334	7.96E-13	-0.4035144	1.03E-19	-0.45318	4.96E-25
0.03708	0.343503	2.23E-14	0.309182	8.39E-12	0.46005503	7.74E-26	0.679503	1.56E-64
0.00102	0.044471	0.33759	0.193671	2.51E-05	0.46768512	9.36E-27	0.554021	6.33E-39
0.031	0.044497	0.33731	0.114653	0.01317	0.51038524	2.44E-32	0.664141	1.01E-60
0.00154	0.037857	0.41439	-0.17593	0.00013	-0.2923236	1.18E-10	-0.37369	6.34E-17
0.13093	0.311802	5.48E-12	0.373024	7.27E-17	0.44413649	5.38E-24	0.471482	3.20E-27
0.03093	0.02924	0.52849	0.143166	0.00193	0.32402568	7.07E-13	0.435391	5.04E-23
0.18529	0.137258	0.00296	0.359075	1.17E-15	0.48553752	5.39E-29	0.433253	8.62E-23
0.30549	0.188677	4.07E-05	0.181081	8.31E-05	0.45924985	9.65E-26	0.53546	5.25E-36
9.10E-05	0.251258	3.72E-08	0.171132	0.0002	0.54512861	1.67E-37	0.674621	2.68E-63
0.04973	-0.04678	0.31311	0.12188	0.00837	0.53153544	2.06E-35	0.595691	3.45E-46
1.90E-05	0.106877	0.02088	0.126948	0.00601	0.48939794	1.70E-29	0.459172	9.85E-26
0.12221	0.196652	1.87E-05	0.138495	0.00271	0.63697879	1.63E-54	0.810103	#####
0.56623	0.219015	1.77E-06	0.329967	2.53E-13	0.6375057	1.25E-54	0.687836	1.07E-66
0.72687	-0.1844	6.11E-05	-0.34025	4.03E-14	-0.3484279	8.92E-15	-0.51828	1.84E-33
0.66604	-0.10476	0.02357	0.130347	0.00478	0.50975742	2.98E-32	0.681248	5.57E-65
0.49253	0.311111	6.13E-12	0.258276	1.49E-08	0.63855618	7.38E-55	0.824378	#####
0.83127	0.122563	0.00801	0.248017	5.62E-08	0.39972569	2.41E-19	0.454561	3.43E-25
0.05862	0.085846	0.0638	-0.10047	0.02994	-0.5681938	2.80E-41	-0.56794	3.09E-41
0.77341	0.520334	9.30E-34	0.392998	1.07E-18	0.56814443	2.85E-41	0.621383	3.18E-51
0.1876	-0.02672	0.5646	-0.04049	0.38266	0.32451219	6.51E-13	0.371441	1.00E-16
0.4081	0.126296	0.00628	0.209087	5.20E-06	0.71438597	4.09E-74	0.824276	#####
0.61356	0.278982	8.52E-10	0.181407	8.06E-05	0.3346844	1.10E-13	0.307719	1.06E-11
0.87863	0.013276	0.77476	0.307192	1.16E-11	0.67410012	3.63E-63	0.763443	2.53E-90
0.35663	-0.023	0.62012	-0.03759	0.41768	0.39751357	3.95E-19	0.588309	7.98E-45
4.26E-05	0.179854	9.30E-05	0.191433	3.12E-05	0.45073056	9.54E-25	0.449332	1.38E-24

0.56247	0.169472	0.00023	0.180051	9.13E-05	0.38329303	8.61E-18	0.416507	5.08E-21
1.88E-06	0.161899	0.00044	0.194343	2.35E-05	0.39829157	3.32E-19	0.472881	2.15E-27
0.20852	0.334175	1.20E-13	0.225617	8.38E-07	0.49082616	1.10E-29	0.688289	8.09E-67
0.06171	0.234856	2.84E-07	0.288223	2.19E-10	0.70868066	1.89E-72	0.779001	2.58E-96
0.63787	0.310973	6.27E-12	0.300722	3.24E-11	0.50230502	3.20E-31	0.708039	2.89E-72
0.44846	0.03772	0.41608	0.069852	0.13173	0.6067448	2.68E-48	0.820338	#####
0.05908	0.188279	4.23E-05	0.209991	4.72E-06	0.45526153	2.84E-25	0.496697	1.83E-30
0.00011	-0.14311	0.00193	0.018166	0.69539	0.38368545	7.93E-18	0.582189	1.02E-43
0.85004	0.356753	1.84E-15	0.372515	8.07E-17	0.61212419	2.35E-49	0.70363	5.20E-71
0.06309	0.134654	0.00355	0.181322	8.13E-05	0.43792258	2.65E-23	0.550126	2.69E-38
1.52E-09	-0.24411	9.19E-08	0.033894	0.46496	0.4637287	2.82E-26	0.388457	2.86E-18
0.00522	0.461487	5.23E-26	0.482003	1.53E-28	0.52305347	3.74E-34	0.594332	6.19E-46
0.48532	-0.00139	0.97612	0.119757	0.00959	0.40032637	2.11E-19	0.494182	3.97E-30
0.5792	0.201684	1.12E-05	0.265981	5.28E-09	0.47189894	2.85E-27	0.598428	1.05E-46
0.57801	0.411349	1.70E-20	0.468641	7.15E-27	0.4087741	3.09E-20	0.18493	5.81E-05
0.38407	0.072805	0.11614	0.354583	2.78E-15	0.55901185	9.67E-40	0.476621	7.36E-28
9.26E-06	0.417736	3.79E-21	0.284298	3.93E-10	0.41546792	6.49E-21	0.523512	3.20E-34
0.61378	-0.04497	0.33222	0.233995	3.15E-07	0.51340384	9.14E-33	0.579091	3.60E-43
0.04797	0.149239	0.00122	0.151451	0.00103	0.4859571	4.76E-29	0.588262	8.14E-45
0.65657	0.233107	3.50E-07	0.232852	3.61E-07	0.40779675	3.87E-20	0.414601	7.96E-21
0.64189	-0.09935	0.03184	-0.25324	2.88E-08	-0.3537496	3.26E-15	-0.44657	2.85E-24
0.00059	0.030745	0.50748	0.149393	0.0012	0.56098614	4.56E-40	0.611147	3.67E-49
0.04269	-0.11586	0.01223	-0.25175	3.49E-08	-0.6387937	6.55E-55	-0.82859	#####
0.623	0.252181	3.30E-08	0.273685	1.81E-09	0.65498595	1.47E-58	0.828397	#####
0.00027	-0.02151	0.64291	0.120922	0.0089	0.64137808	1.77E-55	0.603241	1.28E-47
0.78023	0.331581	1.90E-13	0.209475	4.99E-06	0.50715197	6.88E-32	0.400588	1.99E-19
0.02486	-0.28941	1.84E-10	0.094783	0.04062	0.28020851	7.14E-10	0.329278	2.85E-13
0.00022	-0.06699	0.14837	0.032748	0.4802	0.51322197	9.70E-33	0.611016	3.89E-49
0.46597	0.450673	9.69E-25	0.480356	2.48E-28	0.53821333	1.99E-36	0.591242	2.31E-45
0.84998	0.105933	0.02205	-0.07751	0.09433	-0.4651093	1.92E-26	-0.63194	1.98E-53
0.01573	-0.02712	0.55879	0.080441	0.08248	0.49368353	4.62E-30	0.394062	8.47E-19
0.29546	-0.18383	6.44E-05	-0.20469	8.24E-06	-0.3995986	2.48E-19	-0.41164	1.59E-20
0.03375	0.136349	0.00315	0.0113	0.80757	-0.203103	9.71E-06	-0.32895	3.02E-13
0.01597	0.099587	0.03142	0.02372	0.60914	-0.3571969	1.68E-15	-0.5502	2.61E-38
0.16114	0.236563	2.32E-07	0.153144	0.0009	0.56893201	2.09E-41	0.649635	2.50E-57
0.0983	-0.01474	0.75067	-0.34473	1.78E-14	-0.3899216	2.09E-18	-0.37004	1.33E-16
0.25945	-0.07476	0.10664	0.190919	3.28E-05	0.39979617	2.38E-19	0.43442	6.43E-23
0.01421	0.037079	0.42406	-0.14164	0.00215	-0.290342	1.60E-10	-0.35661	1.89E-15
0.00024	0.030739	0.50755	-0.11524	0.0127	-0.380871	1.43E-17	-0.44992	1.18E-24
0.2917	-0.05244	0.25802	-0.17357	0.00016	-0.3495094	7.29E-15	-0.51049	2.35E-32
0.26395	-0.01793	0.69911	0.063896	0.16805	0.40347952	1.04E-19	0.523698	3.01E-34
0.20159	0.054832	0.23695	0.234676	2.90E-07	0.45498944	3.06E-25	0.411055	1.82E-20
6.44E-06	0.352843	3.88E-15	0.320414	1.31E-12	0.48089798	2.12E-28	0.631538	2.41E-53
0.00597	0.484828	6.65E-29	0.257702	1.61E-08	0.49343349	4.99E-30	0.562709	2.35E-40
0.44662	0.271562	2.44E-09	0.267165	4.49E-09	0.5329809	1.25E-35	0.719618	1.12E-75



0.40703	-0.26503	6.01E-09	-0.17077	0.00021	-0.3020782	2.61E-11	-0.52295	3.87E-34
0.96368	0.309342	8.18E-12	0.362621	5.85E-16	0.63481054	4.79E-54	0.784003	2.41E-98
0.06483	-0.00838	0.85664	-0.01792	0.69924	-0.4930278	5.65E-30	-0.73165	2.08E-79
0.3172	-0.04972	0.28359	-0.2674	4.35E-09	-0.2615915	9.57E-09	-0.38755	3.48E-18
0.43677	-0.31322	4.34E-12	-0.40013	2.21E-19	-0.4408201	1.27E-23	-0.4759	9.05E-28
0.08495	0.279087	8.39E-10	0.06773	0.1439	-0.3224826	9.20E-13	-0.39425	8.13E-19
0.77348	-0.15948	0.00054	-0.11584	0.01224	-0.2141129	3.03E-06	-0.40749	4.16E-20
0.95748	0.217414	2.11E-06	0.20368	9.15E-06	0.51157294	1.66E-32	0.634225	6.41E-54
0.53883	-0.02904	0.53126	-0.27569	1.36E-09	-0.4163012	5.33E-21	-0.49862	1.01E-30
0.85415	-0.05256	0.25697	0.274232	1.68E-09	0.48779275	2.75E-29	0.653924	2.59E-58
0.9793	0.416959	4.56E-21	0.373921	6.05E-17	0.65275204	4.83E-58	0.830087	#####
0.52477	-0.03004	0.51725	-0.0249	0.59141	-0.4399059	1.60E-23	-0.63131	2.69E-53
0.13581	-0.10594	0.02204	-0.18446	6.07E-05	-0.2664067	4.98E-09	-0.45099	8.90E-25
0.84646	0.373909	6.07E-17	0.33236	1.66E-13	0.49004451	1.40E-29	0.685588	4.16E-66
1.90E-42	0.246067	7.19E-08	0.216563	2.32E-06	0.40774849	3.92E-20	0.414659	7.85E-21
2.47E-12	-0.00602	0.89669	0.207125	6.39E-06	0.35448908	2.83E-15	0.335905	8.83E-14
0.12743	0.268565	3.70E-09	0.437575	2.90E-23	0.64156927	1.61E-55	0.651687	8.49E-58
0.13763	-0.21744	2.10E-06	-0.22618	7.86E-07	-0.2235294	1.06E-06	-0.35416	3.02E-15
0.34396	0.248321	5.41E-08	0.358499	1.31E-15	0.54004042	1.04E-36	0.581214	1.51E-43
0.46162	0.030235	0.51454	-0.19374	2.49E-05	-0.6444015	3.78E-56	-0.60554	4.59E-48
0.14566	0.189084	3.92E-05	0.372271	8.48E-17	0.5729994	4.19E-42	0.70062	3.63E-70
0.36484	0.402721	1.23E-19	0.505731	1.08E-31	0.51596255	3.96E-33	0.45278	5.53E-25
6.57E-08	-0.14478	0.00171	0.200649	1.25E-05	0.42190999	1.40E-21	0.452091	6.64E-25
0.9579	0.126116	0.00635	-0.07959	0.08579	-0.1825821	7.23E-05	-0.4215	1.54E-21
0.75555	0.221539	1.33E-06	0.220622	1.48E-06	0.45291588	5.33E-25	0.5189	1.50E-33
0.00013	-0.02188	0.63726	0.155738	0.00073	0.4219561	1.38E-21	0.551669	1.52E-38
0.00126	0.342868	2.50E-14	0.394947	6.97E-19	0.60605268	3.65E-48	0.585097	3.05E-44
0.35114	0.253248	2.88E-08	0.495257	2.86E-30	0.77804444	6.24E-96	0.835159	#####
0.0826	0.224077	1.00E-06	0.073782	0.11131	-0.5829782	7.33E-44	-0.58901	5.93E-45
0.40526	0.083431	0.07166	0.228885	5.75E-07	0.41021606	2.22E-20	0.487486	3.01E-29
0.5672	-0.10845	0.01906	-0.18319	6.83E-05	-0.3688382	1.70E-16	-0.55461	5.09E-39
0.63519	0.392533	1.18E-18	0.248413	5.35E-08	0.51074235	2.17E-32	0.527602	7.98E-35
0.25591	-0.1196	0.00968	0.295137	7.70E-11	0.33792397	6.15E-14	0.382782	9.59E-18
0.02041	-0.30495	1.66E-11	-0.10199	0.02753	0.41236399	1.34E-20	0.576555	1.01E-42
1.08E-06	0.089024	0.05455	0.13151	0.00442	0.27450879	1.61E-09	0.394839	7.14E-19
6.25E-07	-0.23978	1.57E-07	-0.05789	0.21178	0.47548407	1.02E-27	0.541546	6.07E-37
0.01956	-0.12782	0.00567	-0.31463	3.44E-12	-0.3636217	4.80E-16	-0.39927	2.67E-19
0.82075	0.215527	2.60E-06	0.383772	7.78E-18	0.50100247	4.81E-31	0.686387	2.57E-66
0.20786	0.188159	4.28E-05	0.375064	4.79E-17	0.69737166	2.87E-69	0.838294	#####
0.36012	0.327557	3.85E-13	0.329033	2.97E-13	0.46747732	9.92E-27	0.632471	1.52E-53
0.57224	0.342396	2.73E-14	0.305425	1.54E-11	0.41641955	5.18E-21	0.508448	4.54E-32
0.78177	0.026336	0.57025	-0.06488	0.16159	-0.4005301	2.02E-19	-0.41989	2.27E-21
0.0572	0.164558	0.00036	0.175119	0.00014	0.40247738	1.30E-19	0.488787	2.04E-29
1.08E-07	0.175269	0.00014	0.469866	5.06E-27	0.69721424	3.17E-69	0.740488	2.79E-82
0.77861	0.155648	0.00074	0.215316	2.66E-06	0.63402737	7.06E-54	0.792748	#####

0.31551	-0.00507	0.91305	0.087315	0.05937	0.43852653	2.28E-23	0.501425	4.21E-31
0.03946	0.220852	1.44E-06	0.223744	1.04E-06	0.49819942	1.15E-30	0.407052	4.59E-20
0.01298	0.06765	0.14438	0.364361	4.15E-16	0.49802676	1.21E-30	0.536367	3.82E-36
0.84675	0.177979	0.00011	0.226643	7.45E-07	0.46179536	4.80E-26	0.620871	4.05E-51
0.72264	0.138876	0.00263	0.468759	6.92E-27	0.54249081	4.33E-37	0.382847	9.46E-18
0.4329	0.167605	0.00027	0.291081	1.43E-10	0.48875377	2.06E-29	0.572298	5.53E-42
0.95368	-0.07974	0.08519	0.057571	0.21431	0.54238164	4.50E-37	0.643893	4.91E-56
0.63464	0.109669	0.01775	0.110543	0.01686	0.49193824	7.87E-30	0.458655	1.13E-25
0.01518	0.12874	0.00533	0.065399	0.15824	0.43285359	9.52E-23	0.377652	2.81E-17
0.19513	0.404778	7.72E-20	0.29381	9.44E-11	0.53589357	4.51E-36	0.541254	6.74E-37
0.11774	0.431271	1.41E-22	0.465544	1.70E-26	0.58108018	1.60E-43	0.568919	2.10E-41
0.13973	0.138842	0.00264	0.229972	5.06E-07	0.64409194	4.43E-56	0.701348	2.27E-70
0.31241	0.393125	1.04E-18	0.310828	6.42E-12	0.61826614	1.38E-50	0.778887	2.87E-96
0.48348	0.072253	0.11894	-0.05466	0.23844	-0.3633078	5.11E-16	-0.51463	6.13E-33
0.00361	-0.14571	0.00159	-0.06144	0.185	0.51697768	2.83E-33	0.618866	1.04E-50
0.33974	0.298806	4.37E-11	0.3766	3.49E-17	0.61218375	2.29E-49	0.825365	#####
0.40564	-0.09962	0.03136	0.050103	0.27992	0.59723815	1.77E-46	0.726018	1.23E-77
0.22788	0.248485	5.30E-08	0.143019	0.00195	0.43157961	1.31E-22	0.497948	1.24E-30
0.0022	0.230669	4.67E-07	0.363056	5.37E-16	0.41176015	1.55E-20	0.321679	1.06E-12
3.72E-06	0.189203	3.87E-05	0.286555	2.81E-10	0.48958696	1.60E-29	0.600774	3.78E-47
0.02336	0.121888	0.00837	0.258772	1.39E-08	0.49816169	1.16E-30	0.429584	2.15E-22
0.12145	0.268469	3.75E-09	0.4677	9.32E-27	0.58305251	7.11E-44	0.422026	1.36E-21
0.31693	0.077907	0.09264	0.281149	6.23E-10	0.3460651	1.39E-14	0.493869	4.37E-30
0.03669	0.156725	0.00068	0.347738	1.02E-14	0.59976192	5.89E-47	0.730927	3.53E-79
0.0027	0.025822	0.57779	0.180384	8.86E-05	0.65209748	6.83E-58	0.840874	#####
0.64798	0.107203	0.0205	0.215472	2.61E-06	0.47576302	9.42E-28	0.646764	1.12E-56
1.87E-06	0.05556	0.23077	0.189986	3.59E-05	0.50566945	1.10E-31	0.549743	3.10E-38
0.29329	-0.15358	0.00087	0.0047	0.91931	0.40110942	1.77E-19	0.537446	2.61E-36
0.53371	0.09957	0.03145	0.114726	0.01311	0.39361762	9.33E-19	0.509467	3.27E-32
0.00736	0.157608	0.00063	0.317011	2.32E-12	0.74466513	1.11E-83	0.604699	6.68E-48
0.68734	0.073566	0.11236	0.137717	0.00286	0.3919667	1.34E-18	0.417376	4.13E-21
0.59631	0.002741	0.95289	0.136556	0.00311	0.57052993	1.12E-41	0.764697	8.67E-91
0.36716	0.335462	9.56E-14	0.296396	6.34E-11	0.45907086	1.01E-25	0.477152	6.31E-28
0.44704	0.13157	0.0044	0.093276	0.04394	0.46246562	3.99E-26	0.509624	3.11E-32
0.0001	0.232456	3.78E-07	0.0896	0.05299	-0.534652	6.97E-36	-0.59102	2.55E-45
0.58981	0.007383	0.87356	0.077382	0.09487	0.23381146	3.22E-07	0.376597	3.49E-17
0.02113	-0.09827	0.03375	0.184049	6.31E-05	0.30910821	8.49E-12	0.399894	2.32E-19
0.47946	0.059167	0.20185	0.211989	3.81E-06	0.47716127	6.29E-28	0.629039	8.14E-53
0.01222	0.368598	1.78E-16	0.248731	5.14E-08	0.43138799	1.37E-22	0.594507	5.74E-46
0.07636	-0.03598	0.43795	0.035373	0.4457	0.2904693	1.57E-10	0.382752	9.65E-18
0.0045	-0.16049	0.0005	0.023356	0.61465	0.39625839	5.22E-19	0.375278	4.58E-17
0.10979	0.008841	0.84888	0.244154	9.13E-08	0.38016891	1.66E-17	0.527418	8.50E-35
0.92031	0.198703	1.52E-05	0.319863	1.43E-12	0.70715191	5.19E-72	0.757598	3.44E-88
0.72699	0.469111	6.27E-27	0.513435	9.05E-33	0.64597934	1.68E-56	0.611165	3.64E-49
0.87111	-0.07649	0.09874	-0.26126	1.00E-08	-0.5114063	1.75E-32	-0.41067	1.99E-20

0.4885	0.167691	0.00027	0.298918	4.29E-11	0.28137111	6.03E-10	0.355295	2.43E-15
1.55E-06	0.254667	2.39E-08	0.209092	5.19E-06	0.35236227	4.25E-15	0.480931	2.10E-28
0.07468	0.015201	0.74318	0.194196	2.38E-05	0.4956809	2.51E-30	0.674971	2.19E-63
0.00068	-0.01657	0.72099	-0.08455	0.06792	-0.4541083	3.88E-25	-0.58854	7.23E-45
2.33E-06	0.115538	0.01247	0.157194	0.00065	0.57815558	5.27E-43	0.761776	1.04E-89
0.1858	-0.08791	0.05765	0.121009	0.00885	0.54093651	7.55E-37	0.574225	2.57E-42
0.30395	0.337672	6.43E-14	0.263488	7.42E-09	0.43623678	4.07E-23	0.542102	4.97E-37
0.15426	0.040241	0.38559	0.348892	8.18E-15	0.34194623	2.96E-14	0.405452	6.62E-20
0.05355	0.046896	0.31189	0.083972	0.06983	0.50970474	3.03E-32	0.72291	1.12E-76
0.00046	0.152998	0.00091	-0.08197	0.07679	-0.4101952	2.23E-20	-0.42131	1.61E-21
0.75881	0.446054	3.27E-24	0.307976	1.02E-11	0.46374893	2.80E-26	0.603146	1.33E-47
0.25323	0.185806	5.35E-05	0.175178	0.00014	0.5183697	1.79E-33	0.607169	2.21E-48
3.66E-05	0.004153	0.92868	-0.04642	0.31686	0.46701644	1.13E-26	0.380318	1.61E-17
0.98409	-0.0881	0.05711	-0.39176	1.40E-18	-0.3176671	2.08E-12	-0.41109	1.81E-20
7.22E-06	0.16375	0.00038	0.064019	0.16722	0.41164104	1.59E-20	0.406603	5.09E-20
0.07798	0.153641	0.00086	0.205622	7.48E-06	0.5514712	1.64E-38	0.698703	1.23E-69
0.093	0.26653	4.90E-09	0.241107	1.33E-07	0.57008808	1.33E-41	0.643053	7.55E-56
0.32769	0.349877	6.80E-15	0.31287	4.60E-12	0.65226045	6.27E-58	0.769085	1.93E-92
8.48E-07	-0.00767	0.86862	0.049539	0.28537	0.39478796	7.22E-19	0.454073	3.91E-25
0.50202	0.040393	0.3838	-0.20956	4.94E-06	-0.3933638	9.86E-19	-0.48885	2.00E-29
0.06237	-0.06399	0.16744	-0.03936	0.39606	0.4190154	2.80E-21	0.504773	1.47E-31
0.70164	0.232998	3.55E-07	0.227549	6.71E-07	0.65652644	6.43E-59	0.884251	#####
0.0019	-0.0608	0.18968	0.192652	2.77E-05	0.53484176	6.52E-36	0.556925	2.13E-39
0.04089	0.148778	0.00126	0.420705	1.87E-21	0.41158353	1.61E-20	0.430529	1.70E-22
0.53921	0.099944	0.03082	0.326177	4.88E-13	0.64407239	4.48E-56	0.801039	#####
0.04645	0.034613	0.45554	0.164361	0.00036	0.44942749	1.35E-24	0.482309	1.40E-28
0.62473	-0.07404	0.11006	-0.06532	0.15875	-0.6472024	8.89E-57	-0.74641	2.85E-84
0.01229	0.256601	1.86E-08	0.438499	2.29E-23	0.52420082	2.54E-34	0.544126	2.40E-37
0.56627	0.064606	0.16336	0.141116	0.00224	0.44955453	1.30E-24	0.473301	1.91E-27
0.00026	-0.18624	5.13E-05	0.042543	0.35898	0.40193282	1.47E-19	0.373247	6.95E-17
0.00028	0.160849	0.00048	0.309556	7.90E-12	0.4118162	1.53E-20	0.509665	3.07E-32
0.02803	0.212118	3.76E-06	0.253634	2.74E-08	0.68623973	2.81E-66	0.814074	#####
2.42E-12	0.241264	1.31E-07	0.231938	4.02E-07	0.39335346	9.89E-19	0.475637	9.77E-28
0.94232	0.137027	0.003	0.254059	2.59E-08	0.3109977	6.25E-12	0.38472	6.36E-18
0.80202	0.271788	2.37E-09	0.301896	2.69E-11	0.61302545	1.55E-49	0.717247	5.78E-75
8.98E-14	-0.17437	0.00015	0.084435	0.0683	0.46715597	1.09E-26	0.457112	1.72E-25
2.90E-08	0.40546	6.61E-20	0.298501	4.58E-11	0.39030967	1.92E-18	0.437322	3.09E-23
0.04654	-0.04151	0.37083	0.172303	0.00018	0.40681537	4.85E-20	0.530585	2.87E-35
0.40985	-0.0199	0.668	0.123222	0.00768	0.3822447	1.07E-17	0.408977	2.95E-20
0.01854	0.21518	2.70E-06	0.123764	0.00741	0.55483311	4.68E-39	0.671288	1.82E-62
0.34991	0.333445	1.37E-13	0.374412	5.47E-17	0.34781027	1.00E-14	0.418179	3.41E-21
0.07761	0.00163	0.97198	0.179111	9.95E-05	0.50797105	5.29E-32	0.558182	1.32E-39
0.22358	0.179426	9.67E-05	0.291347	1.37E-10	0.6119286	2.57E-49	0.77329	4.65E-94
5.43E-34	0.147928	0.00135	0.204689	8.24E-06	0.37771015	2.77E-17	0.533878	9.14E-36
0.3772	-0.16322	0.0004	-0.01553	0.73786	0.54271536	3.99E-37	0.716787	7.94E-75

0.30552	0.179159	9.91E-05	0.185046	5.75E-05	0.3074681	1.11E-11	0.397966	3.57E-19
0.00295	0.379644	1.85E-17	0.342152	2.85E-14	0.50802866	5.20E-32	0.504766	1.47E-31
0.03894	0.297275	5.54E-11	0.474598	1.32E-27	0.59644043	2.50E-46	0.526452	1.18E-34
0.1274	-0.0913	0.04862	0.078822	0.08886	0.40925485	2.77E-20	0.46219	4.31E-26
0.63051	-0.07742	0.09468	0.124524	0.00705	0.30018255	3.52E-11	0.485989	4.71E-29
0.00058	-0.04103	0.37634	0.017562	0.70504	0.40481737	7.65E-20	0.408651	3.18E-20
0.00689	0.116021	0.01211	0.154193	0.00083	0.73501479	1.73E-80	0.827153	#####
0.03583	0.205821	7.33E-06	0.271455	2.48E-09	0.47647614	7.67E-28	0.495461	2.68E-30
0.05234	0.031924	0.49133	0.071732	0.12163	0.23256809	3.73E-07	0.372791	7.63E-17
0.36373	0.04636	0.31745	0.020441	0.6595	-0.5113031	1.81E-32	-0.50737	6.42E-32
0.31695	0.320509	1.29E-12	0.435044	5.50E-23	0.74537623	6.39E-84	0.881055	#####
0.90711	0.006581	0.88722	0.268888	3.54E-09	0.58316991	6.78E-44	0.452901	5.35E-25
3.91E-08	0.021946	0.63618	-0.07003	0.13072	-0.2564403	1.90E-08	-0.41058	2.04E-20
0.20945	-0.06033	0.19313	0.218427	1.89E-06	0.66001974	9.69E-60	0.822733	#####
9.83E-05	-0.22457	9.45E-07	-0.31977	1.46E-12	-0.4476763	2.14E-24	-0.61317	1.46E-49
0.62801	-0.19333	2.60E-05	-0.28637	2.89E-10	-0.3410819	3.47E-14	-0.53434	7.76E-36
2.08E-11	-0.01031	0.8242	0.069343	0.13458	0.41193669	1.49E-20	0.457001	1.78E-25
0.38274	0.151467	0.00103	0.303896	1.96E-11	0.55082791	2.07E-38	0.700822	3.19E-70
0.82984	0.434416	6.44E-23	0.34697	1.17E-14	0.58249716	8.94E-44	0.757453	3.88E-88
0.27636	0.212804	3.49E-06	0.206759	6.64E-06	0.60145671	2.80E-47	0.791026	#####
0.23337	0.071287	0.12396	0.212056	3.78E-06	0.48998835	1.42E-29	0.525817	1.47E-34
0.00045	0.157216	0.00065	0.145934	0.00157	0.48715162	3.33E-29	0.550447	2.39E-38
0.00928	-0.05195	0.26251	0.044262	0.33987	0.54498744	1.76E-37	0.71549	1.93E-74
0.15378	-0.03098	0.50427	-0.32552	5.47E-13	-0.4660146	1.49E-26	-0.40716	4.48E-20
0.07986	0.177224	0.00012	0.330627	2.25E-13	0.72214707	1.91E-76	0.866324	#####
0.0229	-0.23931	1.66E-07	-0.24385	9.49E-08	-0.2732173	1.94E-09	-0.3745	5.37E-17
0.00064	0.087152	0.05985	-0.00208	0.96426	-0.2886606	2.06E-10	-0.38655	4.31E-18
0.16065	-0.11211	0.01536	0.117413	0.01111	0.7034766	5.74E-71	0.658153	2.67E-59
0.00546	0.444845	4.48E-24	0.634767	4.90E-54	0.66536448	5.10E-61	0.631272	2.74E-53
0.84809	0.357612	1.55E-15	0.486819	3.68E-29	0.50036238	5.87E-31	0.47886	3.84E-28
0.04736	0.314891	3.29E-12	0.169097	0.00024	0.33824104	5.80E-14	0.411367	1.70E-20
0.86886	-0.30746	1.11E-11	-0.32102	1.18E-12	-0.4818956	1.58E-28	-0.66267	2.27E-60
0.71296	-0.0343	0.45957	-0.20057	1.26E-05	-0.5243522	2.41E-34	-0.63766	1.16E-54
0.51515	0.146701	0.00148	0.307845	1.04E-11	0.5078893	5.43E-32	0.541352	6.51E-37
0.04177	0.552519	1.11E-38	0.413972	9.23E-21	0.55819762	1.32E-39	0.602171	2.05E-47
0.68431	0.204337	8.55E-06	0.237285	2.12E-07	0.51200789	1.44E-32	0.659757	1.12E-59
0.1947	-0.01726	0.70985	0.166366	0.00031	0.535829	4.61E-36	0.73113	3.04E-79
7.87E-07	0.284173	4.00E-10	0.055233	0.23353	-0.4833896	1.02E-28	-0.47152	3.17E-27
4.56E-08	-0.05525	0.23335	0.02917	0.52948	0.33991375	4.29E-14	0.499265	8.27E-31
0.0002	-0.12176	0.00844	0.062196	0.17967	0.3376777	6.43E-14	0.488782	2.04E-29
0.11703	0.109864	0.01755	0.318873	1.70E-12	0.65383543	2.72E-58	0.819162	#####
0.67702	0.264961	6.07E-09	0.282093	5.43E-10	0.61221845	2.25E-49	0.538093	2.08E-36
0.02132	0.067814	0.1434	0.27188	2.34E-09	0.68607329	3.10E-66	0.757507	3.71E-88
0.00338	-0.22421	9.85E-07	-0.12314	0.00772	0.28657637	2.81E-10	0.386148	4.69E-18
0.50235	-0.11857	0.01033	0.068611	0.13875	0.39323489	1.01E-18	0.535668	4.88E-36

2.25E-07	0.401661	1.56E-19	0.233676	3.27E-07	0.39437715	7.90E-19	0.480721	2.23E-28
0.73723	0.276379	1.24E-09	0.449372	1.37E-24	0.52560377	1.58E-34	0.566244	5.99E-41
0.00035	-0.15741	0.00064	-0.25179	3.47E-08	-0.3654006	3.38E-16	-0.43885	2.10E-23
1.45E-14	-0.13934	0.00255	0.010968	0.81312	0.41745097	4.06E-21	0.484623	7.07E-29
0.01567	0.027905	0.54748	0.009064	0.84511	0.64645326	1.31E-56	0.742115	8.01E-83
0.26887	0.088721	0.05538	0.048714	0.29348	0.49724573	1.55E-30	0.641214	1.93E-55
0.63501	0.121464	0.0086	0.26305	7.87E-09	0.62156481	2.92E-51	0.739467	6.07E-82
0.04549	0.067493	0.14531	0.257329	1.69E-08	0.57216249	5.84E-42	0.696136	6.26E-69
0.44282	0.218983	1.77E-06	0.282794	4.90E-10	0.56892835	2.10E-41	0.735667	1.06E-80
0.00175	0.385722	5.14E-18	0.30672	1.25E-11	0.58708395	1.33E-44	0.633517	9.09E-54
0.00954	0.378485	2.36E-17	0.367668	2.15E-16	0.55578153	3.28E-39	0.477424	5.83E-28
0.768	0.439776	1.65E-23	0.524252	2.49E-34	0.64748522	7.68E-57	0.649991	2.07E-57
0.55119	0.188639	4.09E-05	0.301184	3.01E-11	0.66303479	1.86E-60	0.819859	#####
9.50E-07	-0.03826	0.40944	0.002641	0.95461	0.53203898	1.73E-35	0.465763	1.60E-26
0.37393	0.27821	9.52E-10	0.453691	4.33E-25	0.60063329	4.02E-47	0.573486	3.45E-42
0.22717	0.20553	7.55E-06	0.245174	8.04E-08	0.32650186	4.62E-13	0.399103	2.77E-19
0.03741	0.196017	1.99E-05	0.200461	1.27E-05	0.44182728	9.77E-24	0.602204	2.02E-47
3.06E-05	0.255793	2.07E-08	0.275986	1.31E-09	0.53968889	1.18E-36	0.642744	8.84E-56
0.00012	0.233144	3.48E-07	0.099337	0.03185	0.37338583	6.75E-17	0.47587	9.13E-28
0.5673	0.183999	6.34E-05	0.250539	4.08E-08	0.32199292	1.00E-12	0.418071	3.50E-21
0.01005	0.306411	1.31E-11	0.291862	1.27E-10	0.5822924	9.73E-44	0.643762	5.25E-56
0.06406	0.021567	0.64202	0.159195	0.00055	0.53612412	4.16E-36	0.659197	1.52E-59
0.10158	0.261382	9.85E-09	0.183514	6.63E-05	0.47865883	4.07E-28	0.655331	1.22E-58
0.03021	0.14556	0.00161	0.146245	0.00153	0.57190385	6.47E-42	0.788136	#####
0.57075	-0.07095	0.12573	0.11647	0.01178	0.53760371	2.47E-36	0.681996	3.57E-65
0.69606	-0.14247	0.00203	0.042988	0.35397	0.38792024	3.21E-18	0.376462	3.59E-17
0.81501	0.260978	1.04E-08	0.195157	2.17E-05	0.51674356	3.06E-33	0.702258	1.26E-70
0.0648	0.321761	1.04E-12	0.338552	5.49E-14	0.42898387	2.49E-22	0.433196	8.74E-23
0.91036	-0.0783	0.091	0.125389	0.00667	0.50501518	1.36E-31	0.641868	1.38E-55
0.05911	0.065657	0.1566	0.267312	4.40E-09	0.58488551	3.33E-44	0.677421	5.29E-64
0.10684	0.351479	5.03E-15	0.227712	6.59E-07	0.48888747	1.98E-29	0.525114	1.86E-34
0.01737	-0.00475	0.91852	0.127468	0.00581	0.53030854	3.15E-35	0.70451	2.93E-71
0.00032	-0.02136	0.64522	-0.12759	0.00576	0.5252055	1.81E-34	0.704489	2.97E-71
0.58245	0.047536	0.30532	-0.11745	0.01108	-0.5155205	4.57E-33	-0.61969	7.08E-51
0.50343	0.292548	1.14E-10	0.231467	4.25E-07	0.3155707	2.94E-12	0.414635	7.90E-21
0.20112	0.175364	0.00014	0.299701	3.80E-11	0.52585507	1.45E-34	0.741615	1.18E-82
0.00127	-0.18304	6.93E-05	0.061306	0.18599	0.46868832	7.06E-27	0.490555	1.20E-29
4.04E-07	0.211242	4.13E-06	0.383869	7.62E-18	0.48787278	2.68E-29	0.417837	3.70E-21
0.35762	0.091894	0.04717	0.146821	0.00146	0.3899229	2.09E-18	0.401923	1.47E-19
0.03733	-0.13158	0.0044	-0.15678	0.00067	0.42843279	2.85E-22	0.34448	1.86E-14
0.71318	0.252066	3.35E-08	0.216226	2.40E-06	0.53976363	1.15E-36	0.587984	9.14E-45
0.00121	-0.11369	0.01396	-0.17967	9.46E-05	-0.3249817	6.00E-13	-0.49415	4.01E-30
3.52E-07	0.227939	6.42E-07	0.138455	0.00271	0.31099225	6.25E-12	0.387068	3.86E-18
0.35005	0.318385	1.84E-12	0.277423	1.07E-09	0.66271225	2.22E-60	0.739208	7.39E-82
0.12621	0.347371	1.09E-14	0.383425	8.38E-18	0.53216937	1.66E-35	0.697509	2.63E-69

0.11124	0.25822	1.50E-08	0.234586	2.93E-07	0.44761592	2.17E-24	0.545352	1.54E-37
0.00391	0.148842	0.00126	0.119833	0.00954	0.43956671	1.75E-23	0.609397	8.11E-49
0.07958	0.003704	0.93637	0.197243	1.76E-05	0.57468586	2.13E-42	0.634496	5.60E-54
0.46115	-0.20396	8.89E-06	0.258951	1.36E-08	0.52236023	4.72E-34	0.364116	4.36E-16
0.72076	0.347098	1.14E-14	0.280672	6.67E-10	0.45109783	8.65E-25	0.527481	8.32E-35
2.71E-06	-0.14975	0.00117	0.129655	0.00501	0.57343183	3.52E-42	0.454472	3.52E-25
0.5737	0.183107	6.89E-05	0.3131	4.43E-12	0.56454811	1.16E-40	0.520299	9.41E-34
0.01177	-0.10398	0.02463	0.01791	0.69947	0.31373546	3.99E-12	0.392468	1.20E-18
0.07913	-0.02358	0.61133	-0.36804	1.99E-16	-0.3831559	8.87E-18	-0.35999	9.80E-16
0.51502	0.104824	0.02349	0.173423	0.00017	0.55335603	8.12E-39	0.710198	6.88E-73
0.3816	0.288349	2.15E-10	0.224286	9.76E-07	0.15874787	0.00057	0.248448	5.32E-08
0.93313	-0.16644	0.0003	0.108264	0.01927	0.50627384	9.10E-32	0.437396	3.03E-23
0.00192	-0.04383	0.34464	-0.24023	1.48E-07	-0.3975254	3.94E-19	-0.49293	5.81E-30
0.10281	0.019366	0.67638	0.102846	0.02625	0.51745657	2.42E-33	0.692179	7.41E-68
1.61E-10	-0.30332	2.15E-11	-0.0162	0.72698	0.46256216	3.89E-26	0.505254	1.26E-31
0.09369	-0.26114	1.02E-08	-0.28345	4.45E-10	-0.3360011	8.68E-14	-0.42858	2.75E-22
0.46597	0.209654	4.89E-06	0.161462	0.00046	0.25722979	1.71E-08	0.374861	4.99E-17
0.26308	0.034425	0.45799	0.44248	8.26E-24	0.34824679	9.23E-15	0.342235	2.81E-14
0.23932	0.020954	0.65152	0.251317	3.69E-08	0.48604264	4.64E-29	0.48038	2.47E-28
0.03571	0.355247	2.45E-15	0.172969	0.00017	0.34688016	1.19E-14	0.482043	1.51E-28
0.52352	0.197204	1.77E-05	0.315924	2.78E-12	0.70130554	2.34E-70	0.831925	#####
0.16825	-0.09392	0.04249	0.150645	0.00109	0.47482351	1.23E-27	0.519699	1.15E-33
0.42918	0.375957	3.98E-17	0.316655	2.46E-12	0.52335805	3.37E-34	0.419709	2.37E-21
0.20611	0.055946	0.22754	0.087608	0.05852	0.61825945	1.38E-50	0.540061	1.03E-36
0.06295	-0.07593	0.10124	-0.03076	0.5073	-0.3400309	4.20E-14	-0.50957	3.17E-32
0.31339	0.050504	0.27608	0.071588	0.12238	0.53557202	5.05E-36	0.582711	8.19E-44
0.00041	-0.08398	0.06982	0.049756	0.28326	0.35387461	3.19E-15	0.437657	2.84E-23
0.55303	0.331885	1.80E-13	0.440585	1.34E-23	0.58306124	7.09E-44	0.708035	2.90E-72
0.72698	0.419398	2.55E-21	0.278742	8.82E-10	0.56039041	5.72E-40	0.716451	1.00E-74
0.00131	0.117164	0.01128	0.17203	0.00019	0.3220784	9.86E-13	0.397007	4.42E-19
0.06324	0.400426	2.06E-19	0.36071	8.51E-16	0.5039293	1.92E-31	0.453041	5.16E-25
0.18338	0.203902	8.94E-06	0.298816	4.36E-11	0.6752046	1.92E-63	0.88156	#####
0.00524	0.276453	1.22E-09	0.519979	1.05E-33	0.73115979	2.98E-79	0.62779	1.49E-52
1.29E-06	0.280126	7.22E-10	0.203815	9.02E-06	-0.352034	4.52E-15	-0.3663	2.83E-16
0.00017	0.46462	2.20E-26	0.391465	1.49E-18	0.46528699	1.83E-26	0.543001	3.60E-37
0.58415	-0.08852	0.05594	-0.05053	0.2758	-0.3591027	1.16E-15	-0.49137	9.34E-30
0.34442	0.21925	1.72E-06	0.07763	0.09381	-0.3803577	1.60E-17	-0.60158	2.65E-47
0.00051	0.078082	0.09191	-0.02999	0.51794	-0.5575719	1.67E-39	-0.48103	2.04E-28
0.00082	0.196133	1.97E-05	0.298971	4.25E-11	0.48700853	3.48E-29	0.39644	5.01E-19
0.01566	0.029919	0.51895	0.245733	7.50E-08	0.43067177	1.64E-22	0.422864	1.11E-21
0.61153	0.011278	0.80794	-0.14959	0.00119	-0.4244982	7.47E-22	-0.44216	8.98E-24
5.60E-12	-0.24762	5.91E-08	-0.14924	0.00122	-0.3446627	1.80E-14	-0.4636	2.92E-26
0.05777	0.033708	0.46742	0.251336	3.68E-08	0.33588846	8.86E-14	0.33542	9.63E-14
0.21084	0.077757	0.09327	0.229738	5.20E-07	0.55420765	5.91E-39	0.667902	1.23E-61
0.81068	0.305783	1.45E-11	0.139702	0.00248	0.00957456	0.83651	-0.08832	0.0565

0.87274	0.359834	1.01E-15	0.268463	3.76E-09	0.5871195	1.31E-44	0.656399	6.89E-59
5.71E-05	0.202819	1.00E-05	0.247273	6.18E-08	0.49902105	8.92E-31	0.650427	1.65E-57
2.87E-06	0.335883	8.87E-14	0.288227	2.19E-10	0.57489741	1.96E-42	0.592931	1.13E-45
0.11459	0.16967	0.00023	0.402137	1.40E-19	0.40925442	2.77E-20	0.403775	9.70E-20
0.61022	0.204642	8.28E-06	0.298969	4.26E-11	0.5740698	2.73E-42	0.607305	2.08E-48
0.18976	-0.08725	0.05957	0.185498	5.51E-05	0.66446582	8.41E-61	0.575718	1.41E-42
0.16013	-0.02348	0.61284	-0.10589	0.02211	-0.3981911	3.40E-19	-0.48563	5.24E-29
0.02031	-0.13446	0.0036	-0.01399	0.763	0.40108782	1.78E-19	0.512939	1.06E-32
0.35016	-0.20286	9.96E-06	-0.0145	0.75461	0.42320999	1.02E-21	0.54377	2.73E-37
0.36838	-0.29047	1.57E-10	0.027631	0.55142	0.45393141	4.06E-25	0.390392	1.88E-18
5.23E-16	0.183277	6.78E-05	0.127591	0.00576	0.35180161	4.73E-15	0.425514	5.83E-22
3.81E-12	-0.00189	0.96756	0.225114	8.88E-07	0.38279755	9.56E-18	0.490105	1.37E-29
0.36083	0.156779	0.00067	0.243357	1.01E-07	0.52662495	1.11E-34	0.63242	1.56E-53
0.07923	-0.06488	0.16158	-0.02332	0.61513	0.51345124	9.00E-33	0.656308	7.23E-59
0.77772	0.011033	0.81203	0.210398	4.52E-06	0.4733462	1.88E-27	0.666094	3.40E-61
0.2775	0.40953	2.60E-20	0.303129	2.21E-11	0.68625219	2.79E-66	0.726115	1.15E-77
0.02601	0.035143	0.44866	0.077449	0.09458	0.50499445	1.37E-31	0.650377	1.69E-57
0.00636	-0.13762	0.00288	0.0706	0.12764	0.51720704	2.63E-33	0.559229	8.90E-40
0.34938	0.093808	0.04274	-0.12511	0.00679	-0.6329	1.23E-53	-0.65101	1.22E-57
0.79012	0.088455	0.05611	-0.13743	0.00292	-0.6542915	2.13E-58	-0.70474	2.52E-71
0.63258	0.011061	0.81157	-0.1966	1.88E-05	-0.6760604	1.17E-63	-0.74882	4.25E-85
0.00045	0.204349	8.54E-06	-0.10707	0.02065	-0.6842769	9.15E-66	-0.55202	1.33E-38
0.04265	0.091874	0.04722	0.093757	0.04285	0.32531488	5.67E-13	0.421303	1.62E-21
0.2557	-0.20634	6.94E-06	-0.24152	1.27E-07	-0.4946289	3.46E-30	-0.55084	2.07E-38
0.03828	0.011102	0.81089	0.154069	0.00084	0.36137563	7.47E-16	0.409654	2.52E-20
0.00041	0.108442	0.01907	0.275454	1.41E-09	0.70050363	3.91E-70	0.730914	3.57E-79
0.3467	-0.02492	0.5911	0.315018	3.23E-12	0.64262884	9.37E-56	0.694799	1.45E-68
0.31386	0.136613	0.00309	0.233627	3.29E-07	0.57777156	6.16E-43	0.497022	1.66E-30
0.43227	0.118829	0.01017	0.130802	0.00464	0.42584773	5.38E-22	0.498552	1.03E-30
0.11893	0.207349	6.24E-06	0.323726	7.44E-13	0.42130784	1.62E-21	0.516606	3.20E-33
0.62397	-0.05221	0.26016	0.085614	0.06452	0.42484528	6.86E-22	0.471811	2.92E-27
0.87748	-0.31881	1.71E-12	-0.24926	4.80E-08	-0.3483301	9.09E-15	-0.54495	1.78E-37
0.71491	0.368924	1.67E-16	0.463764	2.79E-26	0.601523	2.72E-47	0.428387	2.88E-22
0.08658	0.366833	2.54E-16	0.319427	1.54E-12	0.51606404	3.83E-33	0.558021	1.41E-39
0.36675	0.029269	0.52807	0.20658	6.77E-06	0.66301168	1.88E-60	0.770888	3.95E-93
0.03319	0.180415	8.83E-05	0.159218	0.00055	0.52714634	9.33E-35	0.444581	4.79E-24
0.90534	-0.0824	0.07526	-0.3083	9.68E-12	-0.4266729	4.39E-22	-0.53609	4.22E-36
0.49322	-0.12446	0.00708	0.200883	1.22E-05	0.51958259	1.19E-33	0.625495	4.50E-52
0.19631	0.396801	4.63E-19	0.246001	7.25E-08	0.61271738	1.79E-49	0.730572	4.58E-79
0.10403	0.16215	0.00043	0.218093	1.96E-06	0.69090229	1.63E-67	0.84938	#####
0.33379	-0.14278	0.00198	-0.16634	0.00031	0.42326586	1.01E-21	0.534866	6.47E-36
0.01025	0.489612	1.59E-29	0.420894	1.78E-21	0.64099331	2.16E-55	0.811672	#####
0.64188	0.437308	3.10E-23	0.349498	7.30E-15	0.62200931	2.37E-51	0.788546	#####
2.05E-05	0.343631	2.17E-14	0.3037	2.02E-11	0.54561197	1.40E-37	0.395029	6.84E-19
0.12105	0.129199	0.00517	0.178676	0.0001	0.5448857	1.82E-37	0.457721	1.46E-25

0.86558	0.3397	4.46E-14	0.352749	3.95E-15	0.66870303	7.86E-62	0.774238	1.98E-94
0.00096	-0.25926	1.31E-08	-0.21046	4.49E-06	-0.3703497	1.25E-16	-0.43868	2.19E-23
4.77E-06	-0.0845	0.0681	-0.14651	0.0015	-0.4053842	6.73E-20	-0.4921	7.49E-30
0.05781	0.365386	3.39E-16	0.391553	1.46E-18	0.55275244	1.02E-38	0.628737	9.43E-53
5.07E-05	0.127158	0.00593	0.102703	0.02646	-0.2333053	3.42E-07	-0.45613	2.25E-25
0.38554	-0.30274	2.35E-11	-0.37185	9.23E-17	-0.3779496	2.64E-17	-0.43499	5.57E-23
2.89E-05	0.300504	3.35E-11	0.308633	9.17E-12	0.32007753	1.38E-12	0.40843	3.35E-20
0.01613	-0.07363	0.11204	-0.19107	3.23E-05	-0.3257515	5.26E-13	-0.47076	3.93E-27
0.73742	0.285841	3.13E-10	-0.13347	0.00386	-0.4876888	2.84E-29	-0.44319	6.87E-24
2.78E-05	0.250201	4.26E-08	0.41282	1.21E-20	0.46238611	4.08E-26	0.531759	1.91E-35
0.10347	0.170747	0.00021	0.274742	1.56E-09	0.53685622	3.21E-36	0.673575	4.90E-63
0.56942	0.443186	6.88E-24	0.269792	3.13E-09	0.58246624	9.06E-44	0.646426	1.33E-56
1.53E-07	-0.02644	0.56865	0.06353	0.1705	0.3277815	3.70E-13	0.404444	8.33E-20
0.5313	0.131246	0.0045	0.165982	0.00032	0.37165696	9.61E-17	0.404953	7.42E-20
0.12823	-0.06313	0.17324	0.067558	0.14492	0.32530974	5.67E-13	0.385395	5.51E-18
4.42E-07	-0.21298	3.43E-06	0.110963	0.01644	0.61837856	1.31E-50	0.653799	2.77E-58
2.46E-05	0.079599	0.08575	-0.12589	0.00645	0.26866021	3.66E-09	0.254715	2.38E-08
0.4673	-0.26181	9.29E-09	-0.36181	6.86E-16	-0.3824414	1.03E-17	-0.45187	7.04E-25
0.178	-0.08069	0.08153	0.344927	1.71E-14	0.64409312	4.43E-56	0.459448	9.14E-26
0.75947	0.150708	0.00109	0.200135	1.32E-05	0.41858765	3.10E-21	0.50965	3.09E-32
0.00781	-0.00902	0.84589	-0.28802	2.26E-10	-0.4519885	6.83E-25	-0.45903	1.02E-25
0.44952	0.045847	0.32285	-0.06711	0.14762	-0.6859922	3.26E-66	-0.72531	2.04E-77
0.16886	0.313394	4.22E-12	0.294196	8.89E-11	0.51329616	9.47E-33	0.507739	5.70E-32
0.15498	0.25257	3.14E-08	0.56049	5.51E-40	0.56985601	1.46E-41	0.46854	7.36E-27
0.06457	0.378937	2.15E-17	0.298716	4.43E-11	0.567412	3.80E-41	0.465267	1.84E-26
0.86473	0.082717	0.07413	0.289773	1.74E-10	0.4005159	2.02E-19	0.410471	2.09E-20
0.31046	0.321777	1.04E-12	0.263328	7.58E-09	0.45743136	1.58E-25	0.377821	2.71E-17
0.65266	0.345791	1.46E-14	0.227207	6.98E-07	0.52137103	6.57E-34	0.588877	6.28E-45
7.38E-05	0.051504	0.26667	0.043709	0.34594	0.50980003	2.94E-32	0.553821	6.82E-39
0.9031	0.133573	0.00383	0.045806	0.32328	0.51702923	2.78E-33	0.516135	3.74E-33
5.23E-07	-0.14365	0.00186	-0.01217	0.79315	0.59744416	1.62E-46	0.617043	2.43E-50
0.04487	0.255704	2.09E-08	0.231959	4.01E-07	0.50804323	5.17E-32	0.528345	6.19E-35
0.67728	0.261036	1.03E-08	0.254358	2.49E-08	0.36750191	2.22E-16	0.448902	1.55E-24
0.03977	0.197872	1.65E-05	-0.14368	0.00185	-0.4425169	8.18E-24	-0.56215	2.92E-40
0.42886	0.009478	0.83813	0.094439	0.04136	0.52742329	8.49E-35	0.557908	1.47E-39
0.22899	0.336966	7.30E-14	0.426617	4.45E-22	0.6254168	4.67E-52	0.43643	3.87E-23
0.13589	0.1284	0.00546	0.30746	1.11E-11	0.38177032	1.19E-17	0.29543	7.36E-11
0.04888	0.07596	0.10111	0.035042	0.44997	0.45351331	4.55E-25	0.502825	2.71E-31
0.00191	0.127366	0.00585	0.174443	0.00015	0.49264771	6.34E-30	0.465216	1.86E-26
0.20657	0.348461	8.87E-15	0.615174	5.79E-50	0.69906714	9.79E-70	0.560351	5.81E-40
0.67389	-0.03359	0.46904	0.123134	0.00772	0.4388281	2.11E-23	0.439107	1.96E-23
0.01397	0.052826	0.25458	-0.25131	3.69E-08	-0.5831681	6.78E-44	-0.63084	3.39E-53
0.01227	0.370437	1.23E-16	0.404286	8.64E-20	0.63150278	2.45E-53	0.785396	6.40E-99
0.84231	0.354086	3.06E-15	0.472919	2.13E-27	0.64676661	1.11E-56	0.632108	1.82E-53
2.77E-05	-0.12246	0.00807	0.077934	0.09253	0.30927234	8.27E-12	0.381691	1.21E-17



0.00174	-0.07639	0.09918	0.271888	2.33E-09	0.52077406	8.03E-34	0.443175	6.90E-24
0.02797	-0.1053	0.02286	0.137346	0.00294	0.47584814	9.19E-28	0.435796	4.55E-23
0.72452	0.219556	1.66E-06	0.273534	1.85E-09	0.41501294	7.23E-21	0.476153	8.42E-28
0.94943	0.439877	1.61E-23	0.40052	2.02E-19	0.50530827	1.24E-31	0.510484	2.36E-32
1.59E-09	0.138293	0.00275	0.08341	0.07173	0.46022298	7.39E-26	0.398252	3.35E-19
0.16695	0.177446	0.00012	0.309016	8.62E-12	0.66396257	1.11E-60	0.660369	8.01E-60
0.00025	0.351037	5.46E-15	0.408596	3.22E-20	0.47113758	3.53E-27	0.562569	2.48E-40
2.07E-12	-0.04835	0.29707	0.039611	0.39309	0.23334024	3.40E-07	0.33829	5.75E-14
0.81923	0.036582	0.4303	0.258271	1.49E-08	0.42684904	4.21E-22	0.427248	3.82E-22
0.02938	0.40636	5.38E-20	0.414693	7.79E-21	0.3800723	1.70E-17	0.400955	1.83E-19
0.00059	-0.13268	0.00408	0.022437	0.62864	-0.2143521	2.95E-06	-0.35746	1.60E-15
0.01913	0.468932	6.59E-27	0.407951	3.74E-20	0.62976213	5.73E-53	0.690295	2.37E-67
0.08542	-0.09664	0.03682	0.125646	0.00655	0.44777703	2.08E-24	0.539029	1.49E-36
0.26979	0.300698	3.25E-11	0.11703	0.01137	0.53134402	2.20E-35	0.676404	9.56E-64
0.05599	0.332801	1.53E-13	0.389055	2.52E-18	0.55930215	8.66E-40	0.452114	6.60E-25
0.43824	0.268742	3.62E-09	0.164325	0.00036	0.57094052	9.48E-42	0.782993	6.25E-98
2.15E-09	0.382112	1.10E-17	0.41956	2.46E-21	0.50999054	2.77E-32	0.487413	3.08E-29
0.13278	0.508227	4.88E-32	0.277559	1.05E-09	0.52098732	7.47E-34	0.595855	3.21E-46
0.46893	0.293457	9.96E-11	0.233672	3.27E-07	0.62000117	6.11E-51	0.576224	1.15E-42
0.51029	0.046866	0.3122	0.061643	0.18358	0.48384349	8.91E-29	0.458505	1.18E-25
0.23069	0.36247	6.03E-16	0.297212	5.59E-11	0.65540161	1.18E-58	0.762487	5.71E-90
0.64008	-0.04385	0.3444	-0.27152	2.46E-09	-0.4098143	2.43E-20	-0.51338	9.23E-33
0.19167	-0.12612	0.00635	-0.23284	3.61E-07	-0.3447816	1.76E-14	-0.48612	4.53E-29
0.91417	0.365481	3.32E-16	0.318038	1.95E-12	0.61604124	3.87E-50	0.464433	2.32E-26
0.1577	0.293933	9.26E-11	0.244675	8.56E-08	0.38542777	5.47E-18	0.452361	6.18E-25
0.18295	0.418653	3.05E-21	0.618064	1.51E-50	0.59825088	1.14E-46	0.631792	2.12E-53
0.22483	0.232041	3.97E-07	0.285194	3.44E-10	0.64271949	8.95E-56	0.644576	3.46E-56
0.37615	0.19269	2.76E-05	0.362296	6.24E-16	0.55407582	6.21E-39	0.542121	4.94E-37
0.51932	0.251819	3.46E-08	0.250647	4.02E-08	0.2995472	3.89E-11	0.379911	1.75E-17
0.00224	0.206537	6.80E-06	0.207145	6.38E-06	0.43977819	1.65E-23	0.599355	7.04E-47
0.4856	0.133839	0.00376	0.019746	0.67039	0.57625959	1.13E-42	0.701354	2.26E-70
0.21895	0.137655	0.00287	0.197533	1.71E-05	0.49991097	6.76E-31	0.589281	5.30E-45
0.39079	-0.20558	7.51E-06	-0.45332	4.79E-25	-0.5228941	3.94E-34	-0.63276	1.32E-53
0.38315	0.324377	6.66E-13	0.268501	3.74E-09	0.59022495	3.56E-45	0.609949	6.32E-49
8.58E-09	-0.20198	1.09E-05	-0.18787	4.40E-05	-0.4438592	5.78E-24	-0.47895	3.74E-28
0.06614	0.300655	3.27E-11	0.221991	1.27E-06	0.37115275	1.06E-16	0.424351	7.74E-22
0.05893	0.077471	0.09449	0.236249	2.40E-07	0.65371627	2.89E-58	0.851585	#####
0.32051	-0.09375	0.04286	0.094303	0.04165	0.60905494	9.47E-49	0.778432	4.37E-96
0.21507	0.068819	0.13755	0.228404	6.08E-07	0.53619005	4.06E-36	0.605346	5.01E-48
0.09948	0.295456	7.33E-11	0.322361	9.40E-13	0.4909806	1.05E-29	0.724268	4.28E-77
0.37686	-0.10102	0.02906	-0.1244	0.00711	-0.2887473	2.03E-10	-0.40463	7.98E-20
0.33037	0.481939	1.56E-28	0.339496	4.63E-14	0.56277148	2.30E-40	0.686337	2.65E-66
0.25096	0.31668	2.45E-12	0.338067	5.99E-14	0.49557907	2.59E-30	0.653333	3.55E-58
0.02894	-0.05434	0.24123	0.028765	0.53521	0.52089322	7.71E-34	0.539367	1.32E-36
0.30247	-0.08777	0.05804	0.086495	0.06181	0.37188306	9.17E-17	0.516904	2.90E-33

1.76E-09	-0.08679	0.06092	-0.00691	0.88156	-0.2616251	9.53E-09	-0.3976	3.88E-19
0.25624	-0.00426	0.92691	0.162249	0.00043	0.4669431	1.15E-26	0.584117	4.58E-44
0.42634	0.072682	0.11676	0.176263	0.00013	0.39361882	9.33E-19	0.406318	5.43E-20
0.15411	0.083885	0.07012	0.08841	0.05624	-0.3996756	2.44E-19	-0.58555	2.53E-44
0.17341	-0.08369	0.07079	-0.24434	8.93E-08	-0.4864219	4.14E-29	-0.48645	4.11E-29
0.35944	0.036294	0.43394	0.184369	6.12E-05	0.69571969	8.14E-69	0.846826	#####
0.02642	0.355529	2.32E-15	0.30975	7.65E-12	0.58587133	2.21E-44	0.624214	8.31E-52
0.4571	-0.01531	0.74139	0.14956	0.00119	0.62705012	2.13E-52	0.788489	#####
0.33599	0.339912	4.29E-14	0.404752	7.77E-20	0.64941878	2.80E-57	0.780353	7.40E-97
5.80E-17	0.080913	0.08069	0.109364	0.01807	0.39403383	8.52E-19	0.473724	1.69E-27
0.46662	-0.03603	0.43731	-0.17574	0.00013	-0.5389734	1.52E-36	-0.54485	1.85E-37
0.0453	0.172627	0.00018	0.218958	1.78E-06	0.42445972	7.54E-22	0.434117	6.94E-23
0.4246	0.030994	0.50403	0.136879	0.00304	0.25104107	3.82E-08	0.335711	9.14E-14
0.70253	0.165111	0.00034	0.10364	0.02511	0.50539885	1.20E-31	0.620515	4.80E-51
0.76323	0.039437	0.39516	-0.07796	0.0924	0.45134838	8.10E-25	0.545202	1.63E-37
1.30E-10	0.096407	0.03728	0.049442	0.28632	-0.1741425	0.00016	-0.19294	2.70E-05
2.23E-08	0.020837	0.65333	0.02349	0.61263	-0.4708647	3.82E-27	-0.50465	1.52E-31
0.03812	-0.10145	0.02837	-0.05729	0.21652	0.25406335	2.59E-08	0.350159	6.45E-15
0.18485	0.187535	4.54E-05	0.408772	3.09E-20	0.54194596	5.26E-37	0.508496	4.47E-32
0.09131	-0.03953	0.39402	-0.28703	2.62E-10	-0.4114075	1.68E-20	-0.43351	8.07E-23
0.70183	-0.19073	3.34E-05	0.039518	0.3942	0.47312934	2.00E-27	0.46667	1.24E-26
0.01024	0.269687	3.17E-09	-0.00079	0.98634	-0.4272056	3.86E-22	-0.51612	3.76E-33
0.99618	0.386661	4.21E-18	0.320827	1.22E-12	0.56082055	4.85E-40	0.734893	1.89E-80
0.02337	0.437897	2.67E-23	0.297449	5.39E-11	0.58001994	2.47E-43	0.583704	5.43E-44
0.46904	0.162805	0.00041	0.295823	6.93E-11	0.43023071	1.83E-22	0.417283	4.22E-21
0.5868	-0.16819	0.00026	-0.29443	8.58E-11	-0.352362	4.25E-15	-0.42432	7.80E-22
0.02809	0.021703	0.63992	0.152813	0.00092	0.4427427	7.72E-24	0.409111	2.86E-20
0.03935	0.392649	1.15E-18	0.616369	3.33E-50	0.60286062	1.51E-47	0.591533	2.04E-45
0.15175	0.082125	0.07623	0.174663	0.00015	0.61370434	1.14E-49	0.822504	#####
0.05346	-0.0062	0.89375	0.178075	0.00011	0.54587385	1.27E-37	0.683201	1.74E-65
0.26579	-0.03686	0.42676	-0.18797	4.36E-05	-0.4579278	1.38E-25	-0.42823	3.00E-22
4.68E-15	-0.22303	1.13E-06	-0.17473	0.00015	-0.310443	6.84E-12	-0.34305	2.42E-14
0.69199	0.245526	7.70E-08	0.171179	0.0002	0.62120325	3.47E-51	0.794427	#####
0.22987	0.293818	9.42E-11	0.109926	0.01748	0.57566169	1.44E-42	0.707022	5.65E-72
0.52554	0.384308	6.95E-18	0.303202	2.19E-11	0.47288297	2.15E-27	0.505764	1.07E-31
0.82376	0.316878	2.37E-12	0.32539	5.59E-13	0.42159015	1.51E-21	0.419789	2.33E-21
0.8367	0.457164	1.70E-25	0.63084	3.39E-53	0.65206244	6.96E-58	0.567089	4.31E-41
0.07823	0.286954	2.65E-10	0.144074	0.0018	-0.3741078	5.83E-17	-0.36547	3.33E-16
2.73E-05	0.337189	7.02E-14	0.271001	2.64E-09	0.47702248	6.55E-28	0.51142	1.74E-32
1.77E-07	-0.0307	0.50803	0.06014	0.19452	0.4060881	5.73E-20	0.413586	1.01E-20
1.08E-08	-0.1179	0.01078	-0.01084	0.81528	0.445375	3.90E-24	0.481053	2.03E-28
0.09779	0.2156	2.58E-06	0.230638	4.68E-07	0.49698922	1.67E-30	0.614119	9.41E-50
8.04E-06	0.180881	8.46E-05	0.194441	2.33E-05	0.38802582	3.14E-18	0.471073	3.60E-27
0.26694	0.106707	0.02109	0.310991	6.25E-12	0.73104224	3.25E-79	0.786558	2.11E-99
0.79298	-0.0162	0.72694	-0.09804	0.03417	0.37983543	1.78E-17	0.297525	5.33E-11

0.18663	0.295219	7.60E-11	0.256373	1.91E-08	0.59933594	7.10E-47	0.528324	6.24E-35
0.00309	-0.03082	0.50646	0.050939	0.27196	0.61805727	1.52E-50	0.61531	5.43E-50
0.00011	0.111404	0.01602	0.216345	2.37E-06	0.41838843	3.25E-21	0.542885	3.75E-37
0.00361	-0.12971	0.005	-0.00795	0.86399	0.53631178	3.89E-36	0.687551	1.27E-66
0.00229	-0.11014	0.01726	0.175123	0.00014	0.6008857	3.60E-47	0.649319	2.95E-57
0.11976	0.422274	1.28E-21	0.434048	7.06E-23	0.5756376	1.46E-42	0.595525	3.71E-46
0.56407	-0.16645	0.0003	-0.24359	9.80E-08	-0.3519292	4.62E-15	-0.51042	2.41E-32
0.03271	0.372758	7.68E-17	0.305102	1.62E-11	0.44743232	2.28E-24	0.535269	5.62E-36
0.02855	0.098803	0.03279	0.182692	7.16E-05	0.33662567	7.76E-14	0.406998	4.65E-20
0.28167	0.096947	0.03623	0.033092	0.47559	-0.1617254	0.00045	-0.3095	7.97E-12
0.00333	0.385861	4.99E-18	0.455524	2.65E-25	0.56330035	1.87E-40	0.572717	4.69E-42
0.01183	0.024329	0.59998	0.025768	0.57858	0.54058808	8.55E-37	0.559117	9.29E-40
0.00234	0.412645	1.26E-20	0.266089	5.21E-09	0.45061947	9.82E-25	0.490616	1.17E-29
0.79229	0.319644	1.49E-12	0.495052	3.04E-30	0.3956205	6.01E-19	0.315748	2.86E-12
0.34123	0.226961	7.18E-07	0.280889	6.47E-10	0.38326746	8.66E-18	0.480481	2.39E-28
0.0496	0.016672	0.71933	0.277616	1.04E-09	0.49862729	1.01E-30	0.592174	1.56E-45
0.5417	0.130189	0.00483	0.276623	1.20E-09	0.50987391	2.87E-32	0.560294	5.93E-40
0.00098	0.266234	5.10E-09	0.242162	1.17E-07	0.4394106	1.82E-23	0.458875	1.07E-25
0.94528	0.300953	3.12E-11	0.515696	4.32E-33	0.54916377	3.83E-38	0.569962	1.40E-41
0.00051	0.063119	0.17328	0.287389	2.49E-10	0.69458404	1.66E-68	0.823015	#####
0.00014	-0.02622	0.57187	0.108593	0.01891	0.42086487	1.80E-21	0.452371	6.17E-25
0.00598	0.551661	1.52E-38	0.461359	5.42E-26	0.55522631	4.03E-39	0.668038	1.14E-61
0.34212	0.1387	0.00267	0.389924	2.09E-18	0.7513793	5.49E-86	0.776402	2.80E-95
0.78852	-0.37376	6.26E-17	-0.22415	9.91E-07	-0.3183855	1.84E-12	-0.41677	4.77E-21
0.51367	-0.20598	7.21E-06	-0.27432	1.66E-09	-0.3487785	8.36E-15	-0.40045	2.05E-19
0.00227	0.151995	0.00098	0.15851	0.00059	0.4485265	1.71E-24	0.564116	1.37E-40
0.08218	0.347877	9.89E-15	0.438709	2.17E-23	0.44970833	1.25E-24	0.428344	2.91E-22
0.66101	-0.06009	0.19491	-0.09811	0.03404	-0.5550038	4.39E-39	-0.64785	6.34E-57
0.07217	-0.13561	0.00332	0.166172	0.00031	0.47993281	2.81E-28	0.542354	4.54E-37
0.10228	-0.0754	0.10367	0.144473	0.00175	0.47005418	4.80E-27	0.611146	3.67E-49
0.02602	-0.01207	0.7948	0.197486	1.72E-05	0.56748483	3.69E-41	0.708584	2.01E-72
0.09211	0.080287	0.08307	-0.09695	0.03622	-0.3439647	2.04E-14	-0.40619	5.59E-20
0.06918	0.190853	3.30E-05	0.115108	0.01281	0.53118025	2.33E-35	0.641217	1.92E-55
0.00679	-0.12246	0.00807	0.066247	0.1529	0.47807805	4.82E-28	0.545546	1.44E-37
8.85E-07	-0.10532	0.02283	0.046788	0.313	0.3982088	3.39E-19	0.575218	1.72E-42
0.276	0.194221	2.38E-05	0.232322	3.84E-07	0.54394482	2.56E-37	0.748216	6.85E-85
0.04589	0.090589	0.05042	0.193899	2.45E-05	0.35656898	1.90E-15	0.453848	4.16E-25
0.11381	0.220181	1.55E-06	0.330762	2.20E-13	0.46226929	4.22E-26	0.486725	3.78E-29
0.01218	-0.06731	0.14643	-0.00972	0.83405	0.50057656	5.49E-31	0.642892	8.20E-56
0.00489	-0.15609	0.00071	-0.09259	0.04553	0.02457561	0.59629	-0.17281	0.00017
0.59014	0.225639	8.36E-07	0.32443	6.60E-13	0.51562836	4.42E-33	0.592751	1.22E-45
8.74E-06	0.171379	0.0002	0.127956	0.00562	0.54633899	1.08E-37	0.679151	1.92E-64
0.55706	0.043798	0.34496	-0.11848	0.01039	-0.4245848	7.31E-22	-0.53095	2.53E-35
0.03427	-0.12223	0.00819	-0.00613	0.89486	0.29159717	1.32E-10	0.389918	2.09E-18
4.56E-09	-0.04732	0.30755	0.13916	0.00258	0.37350893	6.59E-17	0.38351	8.22E-18

0.00066	0.040031	0.38809	0.109729	0.01769	-0.1905015	3.42E-05	-0.37161	9.70E-17
4.07E-05	-0.19867	1.52E-05	0.037392	0.42015	0.57075035	1.02E-41	0.655911	8.95E-59
0.7845	0.130206	0.00483	0.106722	0.02107	0.54956794	3.30E-38	0.446174	3.17E-24
0.01936	0.110197	0.01721	0.268141	3.93E-09	0.53799212	2.15E-36	0.415235	6.86E-21
4.82E-05	0.014397	0.75632	0.198059	1.62E-05	0.45265961	5.71E-25	0.353369	3.51E-15
0.12332	-0.01543	0.73946	0.116191	0.01198	0.65233166	6.04E-58	0.721545	2.92E-76
0.03535	0.163473	0.00039	-0.22454	9.48E-07	-0.493586	4.76E-30	-0.39398	8.62E-19
0.33691	0.249617	4.59E-08	0.294538	8.44E-11	0.66764153	1.43E-61	0.85066	#####
0.82407	-0.03961	0.39309	0.15421	0.00083	0.49557268	2.59E-30	0.542774	3.91E-37
0.22177	-0.26798	4.02E-09	0.032485	0.48374	0.44764937	2.15E-24	0.406847	4.82E-20
0.02332	0.457587	1.52E-25	0.329277	2.85E-13	0.61698345	2.50E-50	0.585052	3.11E-44
0.25074	0.095759	0.03858	0.432562	1.02E-22	0.53088612	2.58E-35	0.402813	1.21E-19
0.16756	0.115617	0.01241	0.134798	0.00352	0.44003267	1.55E-23	0.491877	8.02E-30
0.0036	0.236704	2.28E-07	0.458576	1.16E-25	0.47486074	1.22E-27	0.499264	8.27E-31
1.36E-05	-0.08256	0.0747	0.030617	0.50924	0.43456903	6.19E-23	0.409464	2.64E-20
0.00896	0.025989	0.57533	0.471933	2.82E-27	0.42243761	1.23E-21	0.381359	1.29E-17
0.33303	0.059413	0.19998	0.306663	1.26E-11	0.52568357	1.54E-34	0.381357	1.29E-17
0.00082	0.233805	3.22E-07	0.275864	1.33E-09	0.42038269	2.02E-21	0.517325	2.52E-33
0.18986	0.19621	1.95E-05	0.177119	0.00012	0.4526881	5.67E-25	0.577284	7.50E-43
0.0246	0.047983	0.30079	0.163318	0.00039	0.31985504	1.44E-12	0.431209	1.43E-22
0.07769	-0.0485	0.29565	0.107318	0.02036	0.38258762	1.00E-17	0.428433	2.85E-22
0.30324	0.155576	0.00074	0.181018	8.36E-05	0.66662667	2.52E-61	0.83016	#####
0.41067	0.444009	5.56E-24	0.42765	3.46E-22	0.50201428	3.50E-31	0.48786	2.69E-29
0.00041	0.022533	0.62718	0.334063	1.23E-13	0.41994589	2.24E-21	0.420258	2.08E-21
0.00295	-0.0553	0.23299	-0.11025	0.01716	-0.4185908	3.10E-21	-0.36617	2.89E-16
0.36331	-0.00743	0.87286	-0.23608	2.45E-07	-0.3923532	1.23E-18	-0.53197	1.77E-35
0.24167	0.21518	2.70E-06	0.412619	1.27E-20	0.81251147	#####	0.857349	#####
0.51544	0.06046	0.19215	0.150007	0.00115	0.58864451	6.93E-45	0.738526	1.24E-81
0.84897	0.173555	0.00016	-0.00631	0.89187	-0.2978866	5.04E-11	-0.34899	8.03E-15
0.00089	0.350827	5.69E-15	0.27532	1.44E-09	0.60746397	1.94E-48	0.661154	5.22E-60
0.13138	0.242428	1.13E-07	0.230667	4.67E-07	0.41845887	3.19E-21	0.435342	5.10E-23
0.05217	0.533196	1.16E-35	0.290925	1.46E-10	0.57704372	8.27E-43	0.708652	1.93E-72
0.07968	0.100173	0.03043	0.286811	2.71E-10	0.52591427	1.42E-34	0.633383	9.71E-54
0.64147	0.244805	8.42E-08	0.399398	2.60E-19	0.49217979	7.31E-30	0.438358	2.38E-23
0.11965	0.028343	0.54122	0.255804	2.06E-08	0.52537419	1.71E-34	0.488773	2.05E-29
2.47E-15	-0.13639	0.00314	-0.00552	0.90527	0.22326584	1.10E-06	0.35255	4.10E-15
0.81378	0.265885	5.35E-09	0.427595	3.50E-22	0.72171178	2.60E-76	0.753158	1.31E-86
0.53317	0.058161	0.20964	0.319089	1.63E-12	0.57713564	7.96E-43	0.723249	8.80E-77
0.09925	0.268175	3.91E-09	0.25879	1.39E-08	0.50100133	4.81E-31	0.669426	5.22E-62
0.00025	-0.33558	9.36E-14	-0.36576	3.14E-16	-0.4042819	8.65E-20	-0.48871	2.08E-29
5.67E-05	-0.11362	0.01402	0.138459	0.00271	0.54663924	9.64E-38	0.557407	1.78E-39
0.08298	-0.0916	0.0479	-0.00327	0.94384	0.51921501	1.35E-33	0.683638	1.34E-65
0.068	0.202746	1.01E-05	0.292826	1.10E-10	0.42728778	3.78E-22	0.503517	2.18E-31
0.1474	0.35826	1.37E-15	0.370002	1.34E-16	0.55353136	7.60E-39	0.494522	3.58E-30
0.01583	0.021693	0.64008	0.374944	4.91E-17	0.63432455	6.10E-54	0.64304	7.60E-56

0.91918	0.263727	7.18E-09	0.36339	5.03E-16	0.38771407	3.36E-18	0.409675	2.51E-20
0.77015	0.39923	2.70E-19	0.338468	5.57E-14	0.36898149	1.65E-16	0.404669	7.92E-20
0.54891	0.069433	0.13407	0.148761	0.00126	0.54264777	4.09E-37	0.685056	5.73E-66
0.90232	-0.01303	0.77891	0.325812	5.20E-13	0.44414171	5.37E-24	0.457519	1.54E-25
0.83067	0.391252	1.56E-18	0.487213	3.27E-29	0.65295529	4.34E-58	0.642768	8.73E-56
0.05887	-0.26412	6.81E-09	-0.19141	3.13E-05	-0.5160478	3.85E-33	-0.63592	2.76E-54
6.44E-06	0.330386	2.35E-13	0.250692	4.00E-08	0.3268355	4.36E-13	0.372944	7.39E-17
0.10325	-0.02655	0.56704	0.166227	0.00031	0.49796407	1.24E-30	0.575957	1.28E-42
0.06373	-0.08998	0.05198	-0.35652	1.92E-15	-0.5478598	6.18E-38	-0.65283	4.64E-58
0.04277	-0.37385	6.14E-17	-0.37765	2.81E-17	-0.3580296	1.43E-15	-0.46077	6.37E-26
0.32433	0.174361	0.00015	-0.01541	0.73977	-0.6021748	2.04E-47	-0.64798	5.94E-57
0.21702	0.167801	0.00027	0.274897	1.53E-09	0.43803193	2.58E-23	0.428178	3.04E-22
0.00409	0.153953	0.00084	0.23496	2.81E-07	0.3297954	2.60E-13	0.367266	2.33E-16
7.24E-07	0.250341	4.18E-08	0.098006	0.03423	-0.3458004	1.46E-14	-0.40844	3.34E-20
0.16513	-0.06916	0.13561	0.147711	0.00137	0.56416549	1.34E-40	0.565291	8.68E-41
0.00047	0.149389	0.0012	0.315905	2.78E-12	0.75784948	2.79E-88	0.858321	#####
0.00997	-0.10502	0.02323	0.117544	0.01102	0.47039664	4.36E-27	0.443754	5.94E-24
0.0008	0.326127	4.93E-13	0.264694	6.30E-09	0.62138407	3.18E-51	0.753186	1.28E-86
0.01105	0.255736	2.08E-08	0.120747	0.009	0.43847478	2.31E-23	0.451334	8.13E-25
0.25507	0.274717	1.57E-09	0.312706	4.72E-12	0.73708232	3.68E-81	0.79481	#####
0.0396	0.078837	0.0888	0.019937	0.66739	-0.4260101	5.17E-22	-0.40575	6.19E-20
0.0262	-0.04101	0.37656	0.195551	2.08E-05	0.62679153	2.41E-52	0.591308	2.25E-45
0.01689	-0.13254	0.00411	0.105975	0.02199	0.42975683	2.06E-22	0.444377	5.05E-24
0.53164	0.281243	6.14E-10	0.324753	6.24E-13	0.48996445	1.43E-29	0.737929	1.95E-81
0.85525	0.332255	1.69E-13	0.339328	4.77E-14	0.79320705	#####	0.813434	#####
2.00E-16	-0.18896	3.96E-05	0.086858	0.06072	0.37579437	4.12E-17	0.484413	7.53E-29
0.70046	-0.00242	0.95848	0.058811	0.20458	0.36437946	4.14E-16	0.404396	8.42E-20
0.27091	0.080198	0.08341	0.344566	1.83E-14	0.51657298	3.24E-33	0.650248	1.81E-57
0.03153	0.016129	0.72811	0.193916	2.45E-05	0.75032761	1.28E-85	0.855712	#####
0.33715	0.199524	1.40E-05	0.292615	1.13E-10	0.53484179	6.52E-36	0.617806	1.71E-50
0.00678	0.078044	0.09207	0.086031	0.06323	0.37319222	7.03E-17	0.370483	1.22E-16
0.08436	0.240298	1.47E-07	0.262763	8.18E-09	0.46018054	7.48E-26	0.505175	1.29E-31
0.09364	-0.03517	0.44831	0.041527	0.37058	0.5071793	6.82E-32	0.469429	5.73E-27
0.30254	0.246645	6.69E-08	0.317456	2.15E-12	0.46537396	1.78E-26	0.385867	4.98E-18
0.00014	0.053783	0.24606	-0.16309	0.0004	-0.353166	3.65E-15	-0.45799	1.36E-25
0.03257	0.402172	1.39E-19	0.258195	1.51E-08	0.59093451	2.63E-45	0.555187	4.09E-39
0.4914	0.264919	6.11E-09	0.330693	2.22E-13	0.55027592	2.54E-38	0.691362	1.23E-67
0.98595	0.141288	0.00221	0.349688	7.05E-15	0.60388273	9.60E-48	0.753395	1.08E-86
0.98461	0.154407	0.00081	0.284275	3.94E-10	0.78308163	5.75E-98	0.821681	#####
0.94996	-0.21887	1.80E-06	-0.30926	8.29E-12	-0.3255469	5.44E-13	-0.43358	7.93E-23
2.59E-08	0.395886	5.67E-19	0.344501	1.85E-14	0.43285927	9.51E-23	0.561571	3.64E-40
0.08445	0.549183	3.80E-38	0.380565	1.53E-17	0.52243485	4.60E-34	0.65896	1.73E-59
0.35942	0.362096	6.49E-16	0.403568	1.02E-19	0.59452863	5.69E-46	0.572827	4.49E-42
0.01353	0.106372	0.0215	0.240663	1.41E-07	0.51834949	1.80E-33	0.497083	1.63E-30
1.52E-20	0.050256	0.27845	0.199885	1.35E-05	0.47928398	3.40E-28	0.442084	9.15E-24

0.55788	0.00023	0.99605	0.181413	8.06E-05	0.59790294	1.32E-46	0.491558	8.83E-30
0.8032	0.301409	2.90E-11	0.381572	1.24E-17	0.60248423	1.78E-47	0.428622	2.72E-22
0.21222	0.549896	2.93E-38	0.482618	1.28E-28	0.6207632	4.27E-51	0.659149	1.56E-59
0.22814	0.282127	5.40E-10	-0.01639	0.72385	-0.5836436	5.57E-44	-0.49007	1.39E-29
0.59953	0.317129	2.27E-12	0.494358	3.76E-30	0.61781583	1.70E-50	0.664461	8.43E-61
0.92499	0.079234	0.0872	0.217658	2.05E-06	0.5484937	4.90E-38	0.587967	9.21E-45
0.79686	0.264822	6.19E-09	0.271307	2.53E-09	0.48570956	5.12E-29	0.438735	2.16E-23
1.58E-14	0.036429	0.43223	0.006312	0.89179	0.4268584	4.20E-22	0.4953	2.82E-30
5.08E-22	0.171231	0.0002	0.089369	0.05361	0.43396472	7.21E-23	0.591995	1.68E-45
0.01626	0.292669	1.12E-10	0.281603	5.83E-10	0.51696479	2.84E-33	0.695219	1.11E-68
0.61909	0.158926	0.00057	0.325444	5.54E-13	0.61411241	9.44E-50	0.811083	#####
0.23662	0.302676	2.38E-11	0.30968	7.74E-12	0.47150734	3.18E-27	0.557176	1.94E-39
0.02492	0.013791	0.76627	0.119478	0.00976	0.49214957	7.38E-30	0.649267	3.03E-57
0.44212	0.035622	0.44249	0.235837	2.53E-07	0.59007434	3.79E-45	0.71909	1.62E-75
3.85E-05	0.086729	0.0611	0.378643	2.28E-17	0.81667506	#####	0.858957	#####
0.65548	0.423265	1.01E-21	0.420578	1.92E-21	0.6740621	3.71E-63	0.728691	1.80E-78
0.55899	-0.20208	1.08E-05	0.053485	0.24869	0.51542785	4.72E-33	0.368513	1.81E-16
0.02281	-0.02446	0.5981	0.043031	0.35349	0.54528834	1.58E-37	0.555096	4.24E-39
0.53073	0.253892	2.65E-08	0.313928	3.86E-12	0.42317101	1.03E-21	0.442324	8.60E-24
0.01565	0.155926	0.00072	0.14761	0.00138	0.49214597	7.39E-30	0.55784	1.51E-39
0.04593	0.043856	0.34433	-0.05278	0.25501	-0.3715196	9.88E-17	-0.5834	6.17E-44
0.47475	0.104142	0.02441	0.075955	0.10114	0.38900729	2.54E-18	0.468836	6.77E-27
0.00041	0.123709	0.00744	0.199747	1.37E-05	0.36835848	1.87E-16	0.418712	3.01E-21
0.06116	0.097072	0.03599	0.099927	0.03085	0.58884217	6.38E-45	0.738025	1.81E-81
0.00837	0.259791	1.22E-08	0.405372	6.75E-20	0.72361266	6.80E-77	0.820015	#####
0.25377	0.096103	0.03789	0.088269	0.05664	0.4292208	2.35E-22	0.455776	2.47E-25
5.35E-06	0.308618	9.20E-12	0.281473	5.94E-10	0.60025343	4.75E-47	0.591476	2.09E-45
0.00195	-0.001	0.98281	0.019793	0.66965	0.54904981	3.99E-38	0.581459	1.37E-43
0.46738	-0.09622	0.03766	-0.20334	9.48E-06	-0.3011809	3.01E-11	-0.51079	2.14E-32
0.01337	0.164944	0.00034	0.262861	8.07E-09	0.44581508	3.48E-24	0.430912	1.54E-22
0.23422	0.064714	0.16265	-0.08488	0.06687	-0.4253756	6.03E-22	-0.43046	1.73E-22
0.00429	0.229702	5.23E-07	0.213687	3.17E-06	0.57545863	1.57E-42	0.673619	4.78E-63
0.00036	0.273874	1.77E-09	0.227945	6.41E-07	0.50038909	5.82E-31	0.650841	1.33E-57
0.03255	0.232455	3.78E-07	0.361211	7.72E-16	0.43438688	6.48E-23	0.420791	1.83E-21
0.81459	0.33023	2.41E-13	0.363856	4.59E-16	0.48366981	9.38E-29	0.495752	2.45E-30
0.00401	-0.0741	0.10975	0.156432	0.00069	0.4000801	2.23E-19	0.375689	4.21E-17
0.00773	0.319901	1.43E-12	0.305099	1.62E-11	0.4844823	7.37E-29	0.454567	3.43E-25
0.02303	-0.16721	0.00028	-0.0444	0.33839	0.39118605	1.59E-18	0.515098	5.25E-33
0.99598	0.295955	6.79E-11	0.265233	5.85E-09	0.6367842	1.79E-54	0.84317	#####
0.01593	-0.12792	0.00563	0.198042	1.62E-05	0.5834572	6.02E-44	0.491367	9.36E-30
0.87534	0.146879	0.00146	0.281629	5.81E-10	0.59913107	7.76E-47	0.728709	1.77E-78
0.53748	-0.00403	0.93078	-0.26834	3.82E-09	-0.4499237	1.18E-24	-0.52154	6.21E-34
0.00208	0.305623	1.49E-11	-0.02023	0.66287	-0.446781	2.70E-24	-0.44695	2.58E-24
0.14428	-0.04564	0.32506	0.212075	3.78E-06	0.44749435	2.24E-24	0.477206	6.21E-28
0.17241	-0.10145	0.02837	0.047615	0.30452	0.59875564	9.14E-47	0.631843	2.07E-53

0.43482	0.380821	1.45E-17	0.369211	1.58E-16	0.56557879	7.76E-41	0.491263	9.66E-30
0.02433	0.150465	0.00111	0.060152	0.19443	0.56199092	3.10E-40	0.400019	2.26E-19
0.07957	0.163138	0.0004	0.254811	2.35E-08	0.64125372	1.89E-55	0.741002	1.88E-82
0.23171	0.412982	1.16E-20	0.352524	4.12E-15	0.58028654	2.21E-43	0.717795	3.97E-75
0.43504	0.274988	1.51E-09	0.221022	1.41E-06	0.36215665	6.41E-16	0.394396	7.87E-19
0.4158	0.339834	4.35E-14	0.271194	2.57E-09	0.62221928	2.14E-51	0.732787	9.02E-80
0.0015	0.182232	7.47E-05	0.278225	9.50E-10	0.45329253	4.82E-25	0.527847	7.34E-35
0.01687	-0.0981	0.03406	0.144784	0.00171	0.445926	3.38E-24	0.426271	4.85E-22
0.11086	0.389824	2.13E-18	0.294745	8.18E-11	0.51961879	1.18E-33	0.620146	5.71E-51
0.36692	0.133095	0.00396	0.064336	0.16513	-0.4329632	9.27E-23	-0.57631	1.11E-42
0.00057	0.375877	4.05E-17	0.364547	4.00E-16	0.5696089	1.60E-41	0.43029	1.80E-22
0.0031	-0.05132	0.26839	0.005011	0.91399	0.51054637	2.31E-32	0.642668	9.19E-56
0.42771	0.228233	6.20E-07	0.171869	0.00019	0.38370629	7.89E-18	0.481523	1.76E-28
3.19E-05	0.021822	0.6381	0.111065	0.01634	0.65271711	4.92E-58	0.745224	7.20E-84
6.77E-05	0.198976	1.48E-05	0.114235	0.01351	0.49154346	8.87E-30	0.484474	7.39E-29
0.85912	0.263861	7.05E-09	0.309411	8.09E-12	0.55373025	7.06E-39	0.65929	1.44E-59
0.79903	0.333875	1.27E-13	0.452762	5.56E-25	0.68355133	1.41E-65	0.569275	1.83E-41
0.35955	-0.31873	1.74E-12	-0.25984	1.21E-08	-0.329701	2.65E-13	-0.494	4.20E-30
0.05063	0.18258	7.23E-05	0.336872	7.43E-14	0.51652246	3.29E-33	0.483748	9.16E-29
0.70692	0.026758	0.56407	-0.27853	9.09E-10	-0.3963007	5.17E-19	-0.4722	2.61E-27
0.00226	0.229787	5.17E-07	0.261189	1.01E-08	0.6793808	1.68E-64	0.655331	1.22E-58
0.90666	0.263823	7.09E-09	0.292934	1.08E-10	0.64668746	1.16E-56	0.870601	#####
3.37E-15	-0.27552	1.40E-09	-0.23343	3.37E-07	-0.2624578	8.52E-09	-0.40961	2.55E-20
0.05746	0.265103	5.96E-09	0.316086	2.70E-12	0.57970376	2.81E-43	0.478134	4.75E-28
0.00146	-0.00189	0.96745	0.134847	0.0035	0.38412574	7.22E-18	0.355268	2.44E-15
0.03723	0.032587	0.48237	0.157334	0.00064	0.47125917	3.41E-27	0.580526	2.01E-43
2.57E-05	0.163001	0.00041	0.370333	1.26E-16	0.51875498	1.57E-33	0.493545	4.82E-30
0.00102	0.241183	1.32E-07	0.15729	0.00065	0.32377419	7.38E-13	0.434046	7.06E-23
0.32005	0.17107	0.0002	0.327674	3.77E-13	0.71785205	3.81E-75	0.850051	#####
0.74416	-0.10571	0.02234	-0.24151	1.27E-07	-0.4171365	4.37E-21	-0.38231	1.06E-17
0.18309	0.311205	6.04E-12	0.360291	9.24E-16	0.51458268	6.22E-33	0.432306	1.09E-22
0.19892	0.130158	0.00484	0.183698	6.52E-05	0.58073928	1.84E-43	0.611067	3.80E-49
0.36841	0.208277	5.66E-06	0.142375	0.00204	0.48993726	1.44E-29	0.500387	5.83E-31
0.49725	-0.09079	0.04991	-0.00959	0.83619	0.12984233	0.00495	0.293112	1.05E-10
0.77495	0.142698	0.00199	0.212301	3.68E-06	0.37756456	2.86E-17	0.569189	1.89E-41
0.32551	-0.09171	0.04763	-0.2969	5.87E-11	-0.071811	0.12122	0.14364	0.00186
0.21756	0.187583	4.52E-05	0.175126	0.00014	0.41881837	2.93E-21	0.646035	1.63E-56
0.81413	0.007183	0.87698	-0.11782	0.01083	0.11253194	0.01497	0.301113	3.04E-11
0.10082	0.145208	0.00165	0.024453	0.59813	0.19113887	3.21E-05	0.44741	2.29E-24
0.06942	0.005002	0.91414	0.039652	0.39259	0.2397095	1.58E-07	0.423948	8.54E-22
0.00874	0.25331	2.85E-08	0.097103	0.03593	0.33003707	2.50E-13	0.631154	2.90E-53
1.85E-05	0.099101	0.03226	-0.17572	0.00014	0.0323235	0.48591	0.26331	7.60E-09
0.00178	0.160442	0.0005	0.186201	5.15E-05	-0.1871646	4.70E-05	-0.41404	9.08E-21
0.00482	0.185979	5.26E-05	0.294618	8.34E-11	0.14055691	0.00233	-0.07743	0.09466
0.07397	-0.01605	0.72943	-0.03432	0.45939	0.16192382	0.00044	0.316864	2.37E-12

1.79E-12	-0.10277	0.02637	-0.13763	0.00288	0.0728594	0.11586	0.287484	2.45E-10
0.76191	-0.02197	0.63577	0.018405	0.69159	-0.2366063	2.30E-07	-0.37761	2.83E-17
0.77297	0.168353	0.00026	0.100527	0.02985	0.28634784	2.90E-10	0.519037	1.43E-33
0.17067	0.230774	4.61E-07	0.115177	0.01275	0.32243095	9.29E-13	0.49002	1.41E-29
0.17767	-0.03057	0.50992	-0.05668	0.22152	0.1210169	0.00885	0.274834	1.54E-09
0.82244	0.055737	0.22929	0.084568	0.06787	0.07413455	0.10961	-0.14985	0.00116
3.88E-11	0.073635	0.11202	0.092749	0.04515	0.30065986	3.27E-11	0.496498	1.95E-30
0.00417	-0.12976	0.00498	-0.07288	0.11574	0.23262732	3.70E-07	0.365916	3.05E-16
0.01595	0.360638	8.63E-16	0.399281	2.67E-19	-0.1146521	0.01317	-0.41662	4.95E-21
0.81637	-0.09971	0.03121	-0.03336	0.47203	0.39137597	1.52E-18	0.626219	3.18E-52
0.57482	0.116707	0.0116	0.093468	0.0435	0.51835605	1.79E-33	0.813453	#####
0.45222	-0.07124	0.12422	0.087945	0.05755	0.04437884	0.3386	-0.23339	3.38E-07
0.41042	0.282086	5.43E-10	-0.00806	0.86212	0.22603609	7.99E-07	0.392133	1.29E-18
0.6616	0.047873	0.30191	-0.09329	0.0439	0.34315143	2.37E-14	0.533539	1.03E-35
5.10E-09	-0.01949	0.67446	-0.08926	0.0539	-0.2745467	1.61E-09	-0.43078	1.60E-22
0.67404	0.361154	7.81E-16	0.157197	0.00065	0.33550905	9.48E-14	0.564369	1.24E-40
7.58E-06	0.002095	0.96399	0.015439	0.73931	-0.1958685	2.02E-05	-0.37724	3.05E-17
0.08335	-0.00476	0.91825	-0.04345	0.34884	0.26132971	9.92E-09	0.4531	5.08E-25
0.05633	-0.15472	0.00079	0.045126	0.33052	-0.1284842	0.00542	-0.44478	4.55E-24
0.32185	0.051956	0.26249	0.110123	0.01728	0.47693343	6.72E-28	0.649523	2.65E-57
0.53952	-0.07595	0.10118	-0.05497	0.23576	0.40520072	7.01E-20	0.706738	6.82E-72
0.27038	0.199535	1.40E-05	0.024975	0.59034	0.14836511	0.0013	0.326048	4.99E-13
0.62683	0.071459	0.12306	0.045102	0.33078	0.43951182	1.77E-23	0.703813	4.62E-71
0.95894	-0.01677	0.71771	0.061982	0.18118	0.2016124	1.13E-05	0.305585	1.50E-11
0.35804	0.260242	1.15E-08	0.115659	0.01238	0.18088655	8.46E-05	0.451899	6.99E-25
0.12308	0.247492	6.01E-08	0.188658	4.08E-05	0.45014355	1.11E-24	0.680784	7.33E-65
0.00096	0.179702	9.43E-05	0.118296	0.01051	0.24989247	4.43E-08	0.431826	1.23E-22
0.8439	0.0594	0.20008	0.13056	0.00471	0.2967685	5.99E-11	0.519396	1.27E-33
0.56429	0.237018	2.19E-07	0.147156	0.00143	0.41294499	1.17E-20	0.670211	3.35E-62
0.16103	0.368412	1.85E-16	0.20263	1.02E-05	0.48426726	7.86E-29	0.712973	1.07E-73
0.04769	0.061836	0.18221	0.287661	2.39E-10	0.11608543	0.01206	-0.1896	3.73E-05
0.60696	0.108411	0.01911	0.156883	0.00067	0.25412373	2.57E-08	0.351756	4.77E-15
0.97389	-0.04732	0.30756	-0.01506	0.7455	0.32072633	1.24E-12	0.504766	1.47E-31
0.03128	0.239881	1.55E-07	0.072138	0.11953	0.48958593	1.60E-29	0.733627	4.85E-80
0.25395	0.026094	0.57378	0.203779	9.06E-06	0.33163268	1.89E-13	0.473785	1.66E-27
0.56544	-0.00942	0.83905	-0.14798	0.00134	0.16952288	0.00023	0.468517	7.41E-27
7.77E-09	0.101918	0.02764	-0.06967	0.13277	0.09333135	0.04381	0.256243	1.95E-08
0.66059	0.210527	4.46E-06	0.064285	0.16546	0.26708718	4.54E-09	0.584882	3.34E-44
0.00553	0.280549	6.79E-10	0.163326	0.00039	0.43433058	6.58E-23	0.693586	3.09E-68
0.0477	0.13063	0.00469	0.219633	1.65E-06	0.46864151	7.15E-27	0.616727	2.82E-50
0.68815	0.110772	0.01663	0.101525	0.02825	0.44547905	3.79E-24	0.689838	3.14E-67
0.49777	-0.15968	0.00053	-0.12379	0.0074	0.09005515	0.05179	0.23561	2.60E-07
0.29776	0.150589	0.0011	0.127631	0.00574	0.40403306	9.15E-20	0.62618	3.24E-52
0.54972	0.101745	0.02791	0.129231	0.00516	0.05791267	0.21159	-0.2122	3.72E-06
3.24E-05	0.016282	0.72564	-0.08167	0.07787	0.26854118	3.72E-09	0.41792	3.63E-21



0.04663	0.16894	0.00024	0.148265	0.00131	0.52913254	4.73E-35	0.799049	#####
0.33402	-0.29293	1.08E-10	-0.11149	0.01593	0.15994093	0.00052	0.294006	9.16E-11
0.31706	0.25965	1.24E-08	0.231569	4.20E-07	0.48567749	5.17E-29	0.722629	1.36E-76
0.9549	0.096392	0.03731	0.182089	7.57E-05	0.45792353	1.38E-25	0.703911	4.33E-71
0.44421	0.248886	5.04E-08	0.223514	1.07E-06	0.36841331	1.85E-16	0.647586	7.29E-57
0.58148	0.129213	0.00516	0.23971	1.58E-07	0.4968868	1.73E-30	0.612733	1.78E-49
0.14182	0.226528	7.55E-07	0.115174	0.01275	0.45424668	3.73E-25	0.659221	1.50E-59
0.00875	0.024445	0.59824	-0.11641	0.01182	0.08679632	0.0609	0.33774	6.35E-14
0.13812	0.045696	0.32445	-0.04342	0.34912	-0.2710445	2.63E-09	-0.5245	2.30E-34
0.01795	-0.07271	0.11663	0.122993	0.00779	-0.1814368	8.04E-05	-0.40541	6.69E-20
0.00061	0.049087	0.28979	-0.10616	0.02176	0.21830051	1.91E-06	0.502817	2.72E-31
0.45084	0.055965	0.22739	0.002034	0.96504	0.3866628	4.21E-18	0.615972	4.00E-50
0.11022	0.052843	0.25442	-0.02658	0.56668	0.1121954	0.01528	0.275876	1.33E-09
0.38807	0.053199	0.25123	0.048915	0.29149	0.3733711	6.77E-17	0.589178	5.53E-45
0.87502	0.115199	0.01274	0.004305	0.92608	0.32226384	9.55E-13	0.645981	1.67E-56
0.04423	0.029132	0.53	0.045714	0.32425	0.53349609	1.04E-35	0.791876	#####
0.67033	-0.0219	0.63686	-0.15125	0.00104	0.37681812	3.34E-17	0.475258	1.09E-27
0.004	-0.21909	1.75E-06	-0.17171	0.00019	0.16706994	0.00029	0.270887	2.68E-09
0.72991	0.307369	1.12E-11	0.02648	0.56813	0.38668442	4.19E-18	0.639108	5.59E-55
0.15686	-0.03404	0.46298	-0.10598	0.02199	0.26816404	3.92E-09	0.541413	6.37E-37
0.16637	-0.06433	0.1652	-0.07745	0.0946	0.29373739	9.54E-11	0.501946	3.58E-31
0.00014	0.057942	0.21136	0.06342	0.17125	0.46289966	3.54E-26	0.738568	1.20E-81
0.05984	0.066474	0.1515	0.004806	0.91751	0.29263228	1.13E-10	0.542188	4.82E-37
0.32615	-0.03771	0.41625	0.114959	0.01292	-0.2328011	3.63E-07	-0.48352	9.79E-29
0.53611	0.039003	0.40039	-0.00486	0.91651	0.11147965	0.01595	0.380814	1.45E-17
0.08657	-0.07559	0.10277	0.105651	0.02241	-0.1452445	0.00165	-0.37894	2.15E-17
0.20736	-0.08464	0.06764	-0.00051	0.99119	0.21178583	3.89E-06	0.436963	3.39E-23
0.40869	-0.09248	0.04579	-0.00903	0.84562	0.38214155	1.10E-17	0.527046	9.66E-35
7.96E-05	0.170934	0.00021	0.267206	4.47E-09	-0.0324944	0.48361	-0.19949	1.40E-05
0.09718	-0.13952	0.00251	-0.03209	0.48911	0.33636092	8.14E-14	0.411925	1.49E-20
0.16681	0.18369	6.53E-05	0.16042	0.0005	0.33321141	1.43E-13	0.600597	4.09E-47
0.48459	0.063895	0.16805	-0.06038	0.19271	-0.08665	0.06134	-0.31629	2.61E-12
0.38701	-0.01515	0.7441	0.036772	0.4279	0.33429331	1.18E-13	0.575409	1.60E-42
0.80227	0.175363	0.00014	0.12572	0.00652	0.39889652	2.91E-19	0.605367	4.96E-48
0.05105	0.040453	0.38309	0.170691	0.00021	0.28148442	5.93E-10	0.415862	5.91E-21
0.42738	0.339702	4.46E-14	0.008152	0.86053	0.26607677	5.21E-09	0.591604	1.98E-45
0.82799	0.105118	0.0231	0.113833	0.01384	0.38603948	4.80E-18	0.637244	1.43E-54
0.59135	0.114111	0.01361	-0.02101	0.65061	0.39699443	4.43E-19	0.671336	1.77E-62
8.23E-06	-0.17445	0.00015	-0.11879	0.01019	0.42272411	1.15E-21	0.56091	4.69E-40
0.83751	0.150969	0.00107	-0.06677	0.14965	0.35778454	1.50E-15	0.587519	1.11E-44
0.83388	-0.07873	0.08924	-0.20601	7.18E-06	0.33320227	1.43E-13	0.582868	7.68E-44
0.86597	0.190053	3.57E-05	0.099351	0.03183	0.00879561	0.84965	-0.25688	1.79E-08
0.02481	0.104353	0.02412	0.055203	0.23378	0.20076563	1.23E-05	0.455821	2.44E-25
0.00125	-0.02832	0.54159	-0.15559	0.00074	0.29570112	7.06E-11	0.595246	4.18E-46
0.41471	0.12895	0.00526	0.097249	0.03565	0.3001191	3.56E-11	0.472706	2.26E-27

0.11359	0.217185	2.16E-06	0.227926	6.42E-07	0.33720416	7.00E-14	0.602649	1.66E-47
0.97248	0.239558	1.61E-07	0.149308	0.00121	0.2978963	5.03E-11	0.535487	5.20E-36
0.08099	-0.19414	2.39E-05	-0.09204	0.04682	0.25156205	3.58E-08	0.41512	7.05E-21
0.17982	0.07433	0.10867	0.060988	0.18829	0.40354763	1.02E-19	0.6766	8.53E-64
0.06581	-0.13915	0.00258	-0.20106	1.20E-05	0.03988716	0.38979	0.221681	1.31E-06
0.51797	0.263462	7.44E-09	-0.01161	0.80236	0.29317655	1.04E-10	0.532761	1.35E-35
0.02082	0.078241	0.09125	-0.06985	0.13176	0.30090232	3.14E-11	0.641825	1.41E-55
3.11E-07	-0.24942	4.70E-08	-0.17462	0.00015	0.34887166	8.21E-15	0.574391	2.40E-42
0.18736	0.074373	0.10847	-0.0735	0.11268	0.36119845	7.74E-16	0.61809	1.49E-50
0.61667	0.243547	9.85E-08	0.106302	0.02159	0.2550731	2.27E-08	0.496759	1.80E-30
0.83251	0.149402	0.0012	0.030037	0.51731	0.11606146	0.01208	0.291859	1.27E-10
0.31871	-0.03445	0.45761	0.045754	0.32383	-0.1809381	8.42E-05	-0.46191	4.65E-26
0.26735	0.127463	0.00581	0.069896	0.13149	0.34468182	1.79E-14	0.624492	7.28E-52
0.03157	-0.08005	0.08396	-0.24755	5.96E-08	0.22966549	5.25E-07	0.557955	1.44E-39
0.00253	-0.16156	0.00046	-0.29568	7.09E-11	-0.0922701	0.04627	0.182928	7.01E-05
0.12446	0.11305	0.01451	0.078941	0.08838	0.31490265	3.29E-12	0.541844	5.46E-37
0.04251	-0.07931	0.08691	0.034397	0.45836	0.33687507	7.42E-14	0.51977	1.12E-33
0.1511	0.114056	0.01365	0.091864	0.04725	0.49635082	2.04E-30	0.762355	6.39E-90
0.6203	-0.16175	0.00045	-0.15979	0.00053	-0.1179951	0.01071	0.13063	0.00469
0.122	0.150457	0.00111	0.314552	3.48E-12	-0.1754531	0.00014	-0.42424	7.96E-22
0.19589	0.154938	0.00078	0.015164	0.7438	0.38995317	2.07E-18	0.702781	9.02E-71
0.04451	-0.00321	0.94482	-0.00053	0.99087	0.13746031	0.00291	0.235575	2.61E-07
0.1787	0.072913	0.11559	0.113499	0.01412	0.32861741	3.20E-13	0.526528	1.15E-34
0.75734	0.139532	0.00251	0.006317	0.8917	0.18946427	3.78E-05	0.353614	3.35E-15
0.627	0.016781	0.71758	-0.09202	0.04688	-0.0603337	0.19308	0.107852	0.01974
0.33722	0.101815	0.0278	0.199218	1.44E-05	0.3169368	2.34E-12	0.586208	1.92E-44
1.14E-10	-0.03946	0.39485	0.167728	0.00027	-0.0276791	0.55073	-0.28261	5.04E-10
1.55E-05	0.007054	0.87916	0.000423	0.99273	0.2559266	2.03E-08	0.498705	9.84E-31
0.03881	-0.00924	0.84213	0.020415	0.65991	0.44271478	7.77E-24	0.732831	8.73E-80
0.00044	-0.1217	0.00847	-0.10456	0.02383	0.17662371	0.00012	0.476956	6.68E-28
0.32225	0.105359	0.02278	-0.04482	0.33383	-0.3602368	9.34E-16	-0.56803	2.98E-41
0.44219	0.124935	0.00687	0.007202	0.87664	0.31317575	4.37E-12	0.624015	9.13E-52
6.34E-05	0.155969	0.00072	0.305203	1.59E-11	-0.1704471	0.00022	-0.30971	7.71E-12
0.12985	0.313412	4.21E-12	0.082858	0.07364	0.32393842	7.18E-13	0.628201	1.22E-52
0.09168	0.082668	0.0743	-0.08452	0.06803	0.43167134	1.28E-22	0.653591	3.09E-58
0.81263	0.172166	0.00019	0.070528	0.12802	0.39889859	2.90E-19	0.539072	1.47E-36
0.25042	0.06477	0.16229	-0.07614	0.10032	0.44640551	2.98E-24	0.662118	3.07E-60
0.20784	-0.04441	0.33827	-0.05306	0.25243	0.08602205	0.06325	0.274655	1.58E-09
0.00519	-0.28287	4.84E-10	-0.12569	0.00653	0.17458224	0.00015	0.287204	2.56E-10
0.00684	0.057344	0.21612	0.072599	0.11717	0.07922726	0.08723	-0.13925	0.00256
0.0071	0.227373	6.85E-07	0.073706	0.11168	0.46464598	2.18E-26	0.654303	2.12E-58
0.29049	0.052914	0.25378	0.037621	0.4173	0.15574511	0.00073	0.375241	4.62E-17
0.56788	-0.25824	1.50E-08	0.015873	0.73226	-0.3030505	2.24E-11	-0.53652	3.62E-36
0.3793	0.173575	0.00016	0.173045	0.00017	0.27736132	1.08E-09	0.412115	1.42E-20
3.71E-05	0.016078	0.72894	-0.12059	0.00909	0.09202028	0.04687	0.301617	2.81E-11

0.09985	-0.10622	0.02169	-0.22019	1.55E-06	-0.1433871	0.00189	-0.0785	0.09019
0.70101	0.268103	3.95E-09	0.244112	9.18E-08	0.41021646	2.22E-20	0.479202	3.48E-28
0.00188	0.041372	0.37237	-0.06241	0.17816	0.3342613	1.18E-13	0.465736	1.61E-26
0.00447	0.33242	1.64E-13	0.203272	9.54E-06	0.42536147	6.05E-22	0.651695	8.45E-58
0.09731	-0.22891	5.73E-07	-0.2327	3.67E-07	0.26719677	4.47E-09	0.423055	1.06E-21
0.33813	0.277629	1.03E-09	0.145094	0.00167	0.24692975	6.45E-08	0.506621	8.15E-32
0.63	-0.07086	0.12621	-0.0342	0.4609	0.08884598	0.05503	0.239841	1.56E-07
0.00038	0.134513	0.00359	0.157183	0.00065	0.22436716	9.67E-07	0.388909	2.60E-18
0.13129	0.145507	0.00162	-0.12448	0.00707	0.09856701	0.03321	0.351743	4.78E-15
0.03394	0.024664	0.59497	-0.08791	0.05766	-0.2092417	5.11E-06	-0.43815	2.50E-23
0.63813	0.199061	1.47E-05	0.12548	0.00663	0.38157355	1.24E-17	0.659631	1.20E-59
0.00796	-0.16289	0.00041	-0.14079	0.00229	-0.2808518	6.50E-10	-0.51321	9.74E-33
0.05218	0.269453	3.28E-09	0.284634	3.74E-10	0.3762727	3.73E-17	0.514763	5.87E-33
0.72028	0.07943	0.08642	0.027932	0.54709	0.20153907	1.14E-05	0.501223	4.49E-31
0.02859	0.043943	0.34337	-0.00037	0.99357	0.30717312	1.16E-11	0.478206	4.65E-28
0.82837	-0.04131	0.37304	-0.16112	0.00047	0.10961743	0.0178	0.377021	3.20E-17
0.00343	-0.18316	6.86E-05	-0.10243	0.02687	-0.0429743	0.35412	-0.21834	1.90E-06
0.39627	0.043367	0.34974	-0.10573	0.02231	0.07239481	0.11821	0.285141	3.47E-10
0.50573	0.060307	0.19328	0.178769	0.0001	-0.0019418	0.96662	-0.24015	1.50E-07
0.24448	-0.18821	4.26E-05	0.042098	0.36404	0.2346478	2.91E-07	0.34736	1.09E-14
0.00015	-0.08617	0.06281	-0.00238	0.95909	0.26517757	5.90E-09	0.446346	3.03E-24
1.28E-05	-0.08174	0.07764	-0.01249	0.7878	0.3281025	3.50E-13	0.473339	1.89E-27
0.68354	-0.27555	1.39E-09	-0.06794	0.14268	0.23430742	3.03E-07	0.320775	1.23E-12
0.86443	0.213803	3.13E-06	0.169069	0.00024	0.37378737	6.22E-17	0.64681	1.09E-56
0.38799	-0.06545	0.15792	-0.02741	0.55458	-0.1057723	0.02225	-0.36348	4.94E-16
0.06314	-0.08017	0.08351	-0.07871	0.08931	0.22766922	6.62E-07	0.499501	7.68E-31
0.4313	-0.07296	0.11537	-0.09472	0.04075	0.25995743	1.19E-08	0.521733	5.82E-34
0.93452	0.396079	5.43E-19	0.122634	0.00798	0.45030147	1.07E-24	0.711375	3.13E-73
0.24505	0.064827	0.16192	-0.1199	0.0095	0.24487609	8.35E-08	0.463555	2.96E-26
0.31991	-0.00383	0.93426	0.129436	0.00509	0.29535948	7.44E-11	0.504186	1.77E-31
0.04439	-0.0481	0.29966	-0.11208	0.01539	0.07774939	0.0933	0.356899	1.78E-15
0.03245	0.254465	2.46E-08	0.248356	5.39E-08	-0.1483674	0.0013	-0.47216	2.64E-27
0.82054	0.17644	0.00013	0.102216	0.02719	0.36078783	8.38E-16	0.609737	6.96E-49
0.00012	0.167229	0.00028	-0.002	0.96555	0.07873493	0.08921	0.311438	5.81E-12
0.47345	-0.06904	0.13627	-0.13327	0.00391	0.12127222	0.00871	0.343454	2.25E-14
5.32E-07	0.053989	0.24425	0.031469	0.49752	0.35905812	1.17E-15	0.659756	1.12E-59
0.08601	-0.03924	0.39748	-0.0736	0.11221	0.1222734	0.00816	0.373828	6.17E-17
0.55238	-0.03291	0.47802	0.035201	0.44792	0.20937877	5.04E-06	0.308849	8.86E-12
0.89353	-0.0133	0.77432	0.051603	0.26575	0.12572857	0.00652	0.310586	6.68E-12
0.25117	0.038804	0.4028	-0.10294	0.02611	0.14537575	0.00163	0.451171	8.49E-25
0.94929	-0.09738	0.03539	-0.01702	0.71376	-0.3252942	5.69E-13	-0.52404	2.68E-34
0.56014	0.117633	0.01096	-0.04928	0.28791	0.09468938	0.04082	0.295987	6.76E-11
0.43724	0.041644	0.36923	-0.01845	0.69093	0.1034325	0.0254	0.395688	5.92E-19
0.46055	0.228081	6.31E-07	0.211554	3.99E-06	-0.1245165	0.00706	-0.36648	2.72E-16
0.08153	0.210265	4.58E-06	0.056619	0.22199	0.27171174	2.39E-09	0.554792	4.75E-39

0.47911	0.318829	1.71E-12	0.262436	8.55E-09	0.48585835	4.90E-29	0.736198	7.15E-81
0.16607	0.133613	0.00382	0.102279	0.02709	0.3521339	4.44E-15	0.578967	3.79E-43
0.00845	-0.0991	0.03227	-0.08769	0.05828	0.25116686	3.76E-08	0.49972	7.18E-31
0.82718	-0.14299	0.00195	-0.01637	0.72423	0.16806489	0.00026	0.317226	2.23E-12
0.17761	-0.20766	6.04E-06	0.019806	0.66945	-0.0188289	0.68486	-0.27094	2.67E-09
0.15109	-0.07237	0.11833	-0.08469	0.06746	0.22997644	5.06E-07	0.449503	1.32E-24
2.41E-13	0.04135	0.37262	0.083709	0.07072	0.3822374	1.08E-17	0.559597	7.74E-40
0.45158	0.186549	4.99E-05	-0.00267	0.95403	0.48139798	1.83E-28	0.690012	2.82E-67
0.67288	-0.04589	0.32244	0.030343	0.51304	0.2631796	7.73E-09	0.398039	3.52E-19
0.04489	-0.0898	0.05247	-0.13978	0.00247	0.23351836	3.33E-07	0.534268	7.97E-36
0.45148	0.308683	9.10E-12	0.075388	0.10372	0.2965529	6.19E-11	0.543837	2.66E-37
0.0022	0.075789	0.10189	-0.07514	0.10485	-0.2862274	2.95E-10	-0.46457	2.23E-26
0.14221	-0.02589	0.57676	0.051666	0.26517	0.37068429	1.17E-16	0.475265	1.09E-27
0.09074	-0.01785	0.70042	0.168304	0.00026	0.02913953	0.5299	-0.27151	2.46E-09
0.60435	0.057494	0.21492	0.040388	0.38386	0.33329606	1.41E-13	0.590871	2.71E-45
0.0115	-0.11699	0.01141	-0.05605	0.22667	0.21229012	3.69E-06	0.4706	4.11E-27
0.21532	0.469261	6.01E-27	0.17363	0.00016	0.26007486	1.17E-08	0.492353	6.94E-30
0.83465	0.162849	0.00041	-0.10215	0.02729	0.2112655	4.12E-06	0.496516	1.94E-30
8.17E-19	0.275936	1.32E-09	-0.10921	0.01823	-0.0377739	0.41541	0.148302	0.00131
0.36269	0.368102	1.97E-16	0.169124	0.00024	0.47243581	2.44E-27	0.678655	2.57E-64
0.24679	0.441354	1.10E-23	0.094506	0.04121	0.29035938	1.59E-10	0.573958	2.86E-42
0.02089	0.023795	0.60802	-0.2073	6.28E-06	-0.0305081	0.51075	0.143076	0.00194
0.00414	-0.11837	0.01046	0.082131	0.07621	0.39621271	5.27E-19	0.561804	3.33E-40
0.00261	-0.18965	3.71E-05	-0.23623	2.41E-07	0.06910196	0.13594	0.341976	2.95E-14
0.82909	0.232094	3.95E-07	0.055929	0.22769	0.38287239	9.41E-18	0.620476	4.88E-51
0.17711	0.1441	0.0018	0.170126	0.00022	0.44959781	1.29E-24	0.720998	4.29E-76
0.22679	0.076632	0.09812	0.10678	0.021	0.34004289	4.19E-14	0.618325	1.34E-50
0.00257	-0.16059	0.00049	-0.25708	1.74E-08	0.07606326	0.10065	0.291453	1.35E-10
0.12477	0.152582	0.00094	0.087118	0.05995	0.28044206	6.90E-10	0.553391	8.01E-39
0.66998	0.140113	0.00241	-0.11344	0.01417	0.16496148	0.00034	0.473021	2.07E-27
0.83626	-0.04814	0.29922	-0.14429	0.00177	0.43868516	2.19E-23	0.608904	1.01E-48
0.0517	0.03794	0.41337	-0.1014	0.02845	0.44878846	1.59E-24	0.639541	4.49E-55
0.18195	-0.15464	0.0008	-0.13836	0.00273	0.28664259	2.78E-10	0.585693	2.38E-44
0.28818	-0.12213	0.00824	-0.19732	1.75E-05	0.08874926	0.0553	0.399232	2.70E-19
0.05269	0.008734	0.85069	0.322422	9.30E-13	0.04015612	0.3866	-0.18426	6.19E-05
0.63503	0.131961	0.00428	0.164661	0.00035	0.47060572	4.11E-27	0.716366	1.06E-74
0.03814	0.250025	4.35E-08	0.418304	3.31E-21	-0.1250738	0.0068	-0.29542	7.38E-11
0.11746	0.300777	3.21E-11	0.003732	0.9359	0.07012351	0.13023	0.351313	5.19E-15
1.96E-11	-0.16707	0.00029	0.056527	0.22274	0.07117098	0.12458	-0.11515	0.01277
0.00299	0.194574	2.30E-05	0.135492	0.00335	0.39300789	1.07E-18	0.593186	1.01E-45
0.17314	-0.10183	0.02778	0.133725	0.00379	0.28240861	5.18E-10	0.473293	1.91E-27
0.0124	-0.12464	0.007	0.000112	0.99808	-0.1911188	3.22E-05	-0.35944	1.09E-15
0.00558	0.083369	0.07187	-0.09196	0.04703	0.31010896	7.22E-12	0.600052	5.19E-47
0.73101	0.185944	5.28E-05	-0.06574	0.15605	0.14269733	0.00199	0.346944	1.18E-14
0.09084	-0.01487	0.74852	-0.04835	0.29711	0.37832335	2.44E-17	0.412029	1.45E-20

0.00016	0.110915	0.01649	0.182783	7.10E-05	0.360477	8.91E-16	0.56658	5.26E-41
0.04526	0.10853	0.01898	-0.01766	0.70344	0.20482639	8.12E-06	0.451107	8.63E-25
0.94092	0.052705	0.25566	0.065644	0.15669	0.24108249	1.34E-07	0.512113	1.39E-32
0.50919	-0.07745	0.09458	-0.0835	0.07144	0.38033238	1.61E-17	0.615947	4.05E-50
2.51E-05	-0.10341	0.02544	-0.06255	0.17723	0.13035433	0.00478	0.30542	1.54E-11
0.27495	0.042567	0.35871	-0.02818	0.54358	0.3647062	3.88E-16	0.662236	2.88E-60
0.12799	-0.23265	3.69E-07	-0.11237	0.01512	-0.33255	1.60E-13	-0.59263	1.28E-45
0.36804	0.055628	0.2302	0.081807	0.07738	0.34049627	3.86E-14	0.548151	5.55E-38
0.17242	0.006035	0.89651	-0.07543	0.10353	-0.2053436	7.70E-06	-0.32601	5.03E-13
0.0107	0.101904	0.02767	-0.01933	0.6769	0.1898676	3.63E-05	0.360784	8.39E-16
0.84796	0.25778	1.59E-08	0.01042	0.8223	0.15142047	0.00103	0.415945	5.80E-21
0.27742	0.089281	0.05385	-0.08723	0.05961	0.24601737	7.24E-08	0.53063	2.82E-35
0.767	-0.01545	0.73911	-0.0074	0.87322	0.26792701	4.05E-09	0.55142	1.67E-38
0.89475	0.090605	0.05037	0.022203	0.63223	0.15453698	0.00081	0.3469	1.19E-14
0.90748	0.127473	0.0058	0.117875	0.01079	0.36362461	4.80E-16	0.514866	5.67E-33
0.00558	0.084323	0.06867	0.137714	0.00286	0.46907597	6.33E-27	0.740232	3.39E-82
0.00321	0.107691	0.01992	0.197742	1.67E-05	0.38351535	8.22E-18	0.551606	1.56E-38
5.50E-08	-0.13794	0.00282	-0.16053	0.0005	0.18725269	4.67E-05	0.346564	1.26E-14
0.01043	-0.18773	4.46E-05	0.087521	0.05877	0.14214507	0.00208	-0.13004	0.00488
0.51865	0.129117	0.0052	0.125759	0.0065	-0.151376	0.00103	-0.45803	1.34E-25
0.20234	-0.0278	0.54896	0.077799	0.09309	0.18270516	7.15E-05	-0.1416	0.00216
0.28836	-0.2442	9.09E-08	-0.31847	1.81E-12	0.04955409	0.28522	0.333261	1.41E-13
0.11456	-0.15192	0.00099	-0.18612	5.19E-05	0.10799432	0.01958	0.294747	8.17E-11
0.02204	-0.2602	1.15E-08	-0.24624	7.03E-08	0.22813808	6.27E-07	0.509092	3.69E-32
3.58E-05	-0.00273	0.95309	-0.12001	0.00943	-0.0103385	0.82367	0.160652	0.00049
0.02136	-0.05069	0.27435	-0.00326	0.94392	-0.0694112	0.13419	-0.38743	3.57E-18
0.00469	-0.00881	0.84935	-0.04932	0.28748	-0.1616142	0.00045	-0.41912	2.73E-21
0.1049	0.095286	0.03956	-0.02708	0.55934	0.3869907	3.92E-18	0.406461	5.26E-20
0.82407	-0.03583	0.43983	-0.12379	0.0074	0.06148428	0.18471	0.33105	2.09E-13
0.66162	0.256374	1.91E-08	0.210954	4.26E-06	0.43578882	4.56E-23	0.751184	6.43E-86
0.65977	-0.01131	0.80736	-0.0939	0.04254	0.1703311	0.00022	0.367205	2.36E-16
0.7317	-0.17561	0.00014	0.055503	0.23126	0.25622436	1.95E-08	0.450111	1.12E-24
0.70258	0.232369	3.82E-07	0.125679	0.00654	0.42387566	8.69E-22	0.630141	4.76E-53
0.00926	-0.09435	0.04154	0.047109	0.30969	0.03282517	0.47916	-0.17692	0.00012
0.47148	0.068005	0.14228	0.028875	0.53364	0.21147864	4.03E-06	0.344912	1.72E-14
0.43759	0.282541	5.08E-10	0.008869	0.8484	0.17916072	9.91E-05	0.410172	2.24E-20
0.00275	-0.12652	0.00619	0.005547	0.90484	0.27245884	2.15E-09	0.409789	2.45E-20
0.01802	0.034024	0.46325	0.053562	0.248	0.30889155	8.80E-12	0.564345	1.25E-40
3.20E-05	0.16525	0.00034	0.046721	0.3137	0.26677216	4.74E-09	0.57303	4.14E-42
0.00594	0.29507	7.78E-11	-0.00776	0.8671	0.32325024	8.07E-13	0.497752	1.32E-30
0.00485	-0.08461	0.06772	-0.13601	0.00323	0.20396212	8.89E-06	0.44313	6.98E-24
0.00412	-0.06039	0.19268	-0.01656	0.72119	0.07972369	0.08526	0.317249	2.23E-12
0.41672	0.104141	0.02441	0.018165	0.69541	0.12417852	0.00722	0.259325	1.30E-08
0.95483	0.303582	2.06E-11	0.144083	0.0018	0.31920338	1.60E-12	0.621176	3.51E-51
0.17915	0.143813	0.00184	0.081445	0.07871	0.43683122	3.50E-23	0.696878	3.92E-69

0.75865	0.149275	0.00121	0.049099	0.28968	0.14549653	0.00162	0.436046	4.27E-23
0.65237	0.216797	2.26E-06	0.359561	1.07E-15	-0.1736445	0.00016	-0.38482	6.22E-18
0.113	0.093906	0.04252	0.108121	0.01943	0.10967555	0.01774	0.373715	6.31E-17
0.16581	0.080054	0.08397	0.179014	0.0001	0.09851122	0.03331	-0.23521	2.72E-07
0.00393	0.126289	0.00628	0.298209	4.79E-11	0.03411583	0.46204	-0.19958	1.39E-05
0.1363	0.002717	0.9533	0.000582	0.98999	-0.2207692	1.45E-06	-0.42343	9.68E-22
0.43894	-0.08046	0.08241	-0.19444	2.33E-05	0.1271468	0.00593	0.294423	8.59E-11
5.84E-25	-0.20673	6.66E-06	-0.07713	0.09597	0.12078802	0.00898	0.268512	3.73E-09
0.65741	0.048619	0.29442	-0.1038	0.02488	0.10825009	0.01929	0.368297	1.89E-16
4.21E-15	0.021791	0.63857	0.006911	0.8816	0.20205635	1.08E-05	0.335952	8.76E-14
0.64502	0.280335	7.01E-10	0.136837	0.00305	0.32237539	9.37E-13	0.582772	7.99E-44
0.23764	0.238823	1.76E-07	0.203247	9.57E-06	0.41634381	5.28E-21	0.582986	7.31E-44
0.56018	0.243111	1.04E-07	0.155228	0.00076	0.44146101	1.07E-23	0.734328	2.88E-80
0.15036	0.03477	0.4535	-0.01032	0.82405	0.41947373	2.51E-21	0.533774	9.48E-36
0.33225	0.098491	0.03335	0.005941	0.89812	0.11287057	0.01467	0.272124	2.26E-09
0.90447	0.389946	2.08E-18	0.177795	0.00011	0.23968126	1.59E-07	0.520704	8.22E-34
0.16852	0.11453	0.01327	0.052484	0.25766	0.2765915	1.20E-09	0.536164	4.10E-36
2.03E-20	-0.21243	3.63E-06	-0.23554	2.62E-07	0.18288695	7.03E-05	0.355686	2.25E-15
0.87522	0.088651	0.05557	-0.09958	0.03144	0.16200295	0.00044	0.441794	9.86E-24
0.00094	0.066121	0.15369	0.101075	0.02896	-0.0647391	0.16249	-0.26546	5.68E-09
0.00095	0.146493	0.0015	-0.15687	0.00067	0.1429251	0.00196	0.411968	1.47E-20
0.13869	0.263689	7.22E-09	0.127688	0.00572	0.28983549	1.72E-10	0.536915	3.15E-36
0.33742	0.23145	4.26E-07	0.547912	6.06E-38	0.0479322	0.3013	-0.18363	6.56E-05
0.004	0.281501	5.92E-10	0.331718	1.86E-13	0.09032948	0.05108	-0.25091	3.89E-08
0.10996	0.361797	6.88E-16	0.275903	1.32E-09	-0.099745	0.03115	-0.36316	5.27E-16
0.00498	0.177446	0.00012	0.186423	5.05E-05	0.41126504	1.74E-20	0.541041	7.27E-37
0.05984	0.173709	0.00016	0.111463	0.01596	0.41014154	2.25E-20	0.694038	2.33E-68
0.32976	-0.03159	0.49588	0.121485	0.00859	0.14827775	0.00131	-0.10814	0.01941
0.87809	-0.07531	0.10407	-0.18422	6.21E-05	-0.2709808	2.65E-09	-0.46601	1.49E-26
0.08322	-0.09367	0.04304	-0.14927	0.00122	0.11617644	0.01199	0.316603	2.48E-12
0.12994	-0.27574	1.35E-09	-0.21421	3.00E-06	0.18128078	8.16E-05	0.462629	3.82E-26
0.86747	0.010676	0.81801	0.118151	0.01061	0.51486917	5.66E-33	0.7556	1.78E-87
0.00104	0.13652	0.00311	0.076105	0.10046	0.23007822	5.00E-07	0.387434	3.57E-18
0.88293	0.101341	0.02854	0.057268	0.21673	0.29877177	4.39E-11	0.534403	7.60E-36
0.44337	-0.14976	0.00117	-0.16958	0.00023	0.06029852	0.19334	0.235426	2.65E-07
0.10939	0.246258	7.02E-08	0.232322	3.84E-07	0.16907131	0.00024	-0.12135	0.00866
0.0752	-0.22155	1.33E-06	-0.01488	0.74849	0.29220053	1.21E-10	0.423822	8.80E-22
0.92727	0.169354	0.00024	0.246884	6.49E-08	-0.0083916	0.85648	-0.263	7.92E-09
0.03331	-0.07622	0.09997	0.022771	0.62355	0.02264551	0.62546	-0.21327	3.32E-06
0.14395	0.038751	0.40344	0.328124	3.49E-13	0.07240435	0.11816	-0.1627	0.00042
1.80E-06	0.082857	0.07364	0.026004	0.57511	0.28512926	3.48E-10	0.409656	2.52E-20
0.00318	-0.09568	0.03874	-0.07301	0.11509	0.06971406	0.1325	0.295684	7.08E-11
0.52187	0.158152	0.0006	-0.04993	0.28161	0.31279574	4.65E-12	0.614944	6.43E-50
0.03445	0.111565	0.01586	0.172247	0.00018	0.36800312	2.01E-16	0.454807	3.21E-25
0.96027	-0.02617	0.57272	-0.13143	0.00444	0.33880842	5.24E-14	0.646856	1.06E-56

0.94984	0.001786	0.9693	-0.05741	0.21563	0.19126834	3.17E-05	0.542982	3.63E-37
0.05706	-0.1622	0.00043	0.065767	0.15591	-0.2455396	7.68E-08	-0.41246	1.32E-20
0.09432	-0.22404	1.00E-06	-0.14013	0.0024	0.11857005	0.01033	0.356147	2.06E-15
0.46681	0.067328	0.1463	0.148496	0.00129	0.251404	3.65E-08	0.42447	7.52E-22
0.26474	0.193207	2.63E-05	0.079369	0.08666	0.45435436	3.63E-25	0.691541	1.10E-67
0.86027	0.22039	1.52E-06	0.152506	0.00095	0.40908842	2.88E-20	0.60998	6.23E-49
0.12524	0.187341	4.63E-05	0.0671	0.14768	0.36396242	4.49E-16	0.645089	2.65E-56
0.79901	-0.12212	0.00824	-0.06898	0.13661	0.33934508	4.75E-14	0.584122	4.57E-44
0.10293	-0.27104	2.63E-09	-0.26506	5.99E-09	-0.2966818	6.07E-11	-0.48271	1.25E-28
0.53209	0.023939	0.60585	-0.08302	0.07308	-0.1782497	0.00011	-0.34258	2.64E-14
1.30E-23	-0.07115	0.12471	0.002344	0.9597	0.19472733	2.26E-05	0.352204	4.38E-15
0.09673	-0.01636	0.72442	-0.11095	0.01645	0.40841905	3.36E-20	0.65404	2.44E-58
0.827	0.065097	0.16018	-0.03943	0.39525	0.04736053	0.30711	0.25691	1.78E-08
0.06791	-0.18658	4.97E-05	-0.17453	0.00015	-0.3311975	2.04E-13	-0.57918	3.48E-43
0.54847	-0.217	2.21E-06	-0.09944	0.03168	-0.2512123	3.74E-08	-0.44737	2.31E-24
0.62852	-0.0279	0.54754	-0.0504	0.27702	0.31387007	3.90E-12	0.605651	4.37E-48
0.40845	-0.17928	9.80E-05	-0.11359	0.01405	0.22412993	9.94E-07	0.394283	8.06E-19
0.05396	-0.02271	0.6245	-0.01275	0.78348	0.32321795	8.12E-13	0.514343	6.73E-33
0.0721	-0.26005	1.18E-08	-0.19417	2.39E-05	-0.046332	0.31775	0.188061	4.32E-05
0.18034	0.19471	2.26E-05	0.111748	0.01569	0.34249788	2.68E-14	0.590985	2.58E-45
0.10616	-0.11771	0.0109	-0.06921	0.1353	-0.0741137	0.10971	-0.25908	1.34E-08
0.02336	0.073174	0.11429	0.051926	0.26277	0.04377012	0.34527	-0.22445	9.58E-07
0.45498	0.112572	0.01494	0.036359	0.43311	0.5347663	6.70E-36	0.725779	1.46E-77
2.40E-05	0.116397	0.01183	0.309304	8.23E-12	-0.0333302	0.47242	-0.27104	2.63E-09
7.42E-08	0.218493	1.87E-06	-0.01966	0.67176	0.1614928	0.00046	0.346633	1.25E-14
0.35667	-0.09242	0.04592	-0.12964	0.00502	0.20939354	5.03E-06	0.535996	4.35E-36
0.18475	0.148948	0.00125	0.286334	2.91E-10	0.06839153	0.14002	-0.23348	3.35E-07
6.64E-06	-0.01892	0.68336	0.067457	0.14553	0.46418873	2.48E-26	0.682772	2.25E-65
0.19559	0.123282	0.00765	0.085619	0.06451	0.27560522	1.38E-09	0.507116	6.96E-32
0.00014	0.0564	0.22379	-0.01383	0.76572	0.24593841	7.31E-08	0.489443	1.67E-29
0.20563	-0.11391	0.01378	0.00438	0.92479	0.34679188	1.21E-14	0.557897	1.48E-39
0.01855	-0.156	0.00072	0.028422	0.54009	0.14618718	0.00154	0.312192	5.14E-12
0.1317	0.19266	2.77E-05	0.219445	1.68E-06	0.49452901	3.57E-30	0.637132	1.51E-54
0.09988	0.202083	1.08E-05	0.208773	5.37E-06	-0.158132	0.0006	-0.40024	2.15E-19
0.96892	0.017089	0.71263	0.318526	1.80E-12	-0.0258859	0.57685	-0.29604	6.70E-11
3.82E-05	0.147451	0.0014	0.326333	4.75E-13	-0.2334573	3.36E-07	-0.43984	1.63E-23
0.75419	0.266386	5.00E-09	0.139077	0.00259	0.30093259	3.13E-11	0.437064	3.30E-23
0.02982	0.029796	0.52066	0.068286	0.14063	0.26702609	4.58E-09	0.435595	4.78E-23
0.02205	-0.13377	0.00378	-0.08905	0.05448	0.14499963	0.00168	0.323872	7.26E-13
0.04887	0.165227	0.00034	-0.00231	0.96022	0.30288076	2.30E-11	0.554615	5.07E-39
0.00426	0.274591	1.60E-09	0.41512	7.05E-21	-0.2073161	6.26E-06	-0.47517	1.12E-27
0.23106	0.005902	0.89878	-0.04198	0.36542	0.39657744	4.86E-19	0.631075	3.02E-53
0.92364	0.06831	0.14049	-0.15078	0.00108	0.20624381	7.01E-06	0.498609	1.01E-30
0.11996	0.10277	0.02636	0.041098	0.37554	-0.2488159	5.08E-08	-0.50168	3.89E-31
0.69007	-0.09625	0.0376	0.019348	0.67666	0.16801154	0.00027	0.303783	2.00E-11

4.89E-05	0.075572	0.10287	0.218372	1.90E-06	0.01064301	0.81857	-0.19223	2.89E-05
0.08722	0.406685	5.00E-20	0.117511	0.01104	0.25642047	1.90E-08	0.470847	3.84E-27
0.39498	0.254811	2.35E-08	0.060348	0.19298	0.30829709	9.69E-12	0.436108	4.20E-23
8.84E-09	-0.19414	2.40E-05	-0.13088	0.00461	0.16693963	0.00029	0.353096	3.70E-15
0.37759	-0.01825	0.69398	-0.02653	0.56734	0.18861437	4.10E-05	0.328089	3.51E-13
0.13627	0.314857	3.31E-12	0.089539	0.05316	0.28377286	4.24E-10	0.495843	2.38E-30
0.06031	-0.06257	0.17708	-0.11969	0.00963	0.31102847	6.22E-12	0.534773	6.68E-36
0.16934	-0.0936	0.04321	-0.15765	0.00063	0.07421969	0.1092	0.206333	6.94E-06
0.28294	0.112375	0.01511	0.156452	0.00069	0.06912969	0.13578	-0.26041	1.12E-08
0.00079	0.074712	0.10686	-0.01227	0.79145	0.26550984	5.63E-09	0.588104	8.70E-45
0.00054	-0.24091	1.36E-07	-0.08758	0.0586	0.35238145	4.24E-15	0.522602	4.35E-34
0.56911	0.274137	1.70E-09	0.313254	4.32E-12	0.07078352	0.12665	-0.18795	4.37E-05
0.84425	0.10903	0.01843	0.199259	1.44E-05	0.46479313	2.10E-26	0.654142	2.31E-58
0.04326	0.069979	0.13103	-0.03071	0.50789	0.27292064	2.02E-09	0.538263	1.96E-36
0.00027	-0.00977	0.8333	0.026406	0.56921	0.40799452	3.70E-20	0.661913	3.44E-60
0.34861	0.032572	0.48256	0.254199	2.54E-08	-0.0026338	0.95473	-0.26118	1.01E-08
0.21193	-0.11962	0.00967	0.039832	0.39045	0.35758484	1.56E-15	0.465202	1.87E-26
4.35E-05	-0.32001	1.40E-12	-0.23118	4.39E-07	0.25188895	3.43E-08	0.413511	1.03E-20
0.09284	-0.08496	0.06658	-0.08	0.08417	0.20415936	8.71E-06	0.363256	5.16E-16
3.35E-05	0.132417	0.00415	0.094308	0.04164	0.3590074	1.19E-15	0.509287	3.47E-32
0.54435	0.10375	0.02495	0.039841	0.39034	0.07357102	0.11234	0.308126	9.96E-12
0.00994	-0.00936	0.84016	0.158703	0.00058	-0.4083302	3.43E-20	-0.65002	2.04E-57
0.83546	-0.05026	0.27844	-0.02463	0.5955	0.37837509	2.42E-17	0.668753	7.64E-62
0.31904	0.10057	0.02978	0.010326	0.82387	0.18702688	4.77E-05	0.429095	2.42E-22
4.85E-11	0.121589	0.00853	-0.0874	0.05912	0.13636533	0.00315	0.337665	6.44E-14
0.02168	0.121735	0.00845	0.095036	0.04008	0.20685586	6.57E-06	0.41539	6.61E-21
0.57752	0.188559	4.12E-05	0.162198	0.00043	0.35466863	2.74E-15	0.566849	4.73E-41
0.01615	-0.02642	0.56902	0.085741	0.06412	0.48576337	5.04E-29	0.63639	2.19E-54
0.63586	0.104464	0.02397	-0.04078	0.37931	0.09374804	0.04287	0.290287	1.61E-10
0.0168	-0.24566	7.57E-08	0.013867	0.76503	0.39133221	1.54E-18	0.513885	7.82E-33
0.20104	0.350595	5.94E-15	0.102609	0.0266	0.25941703	1.28E-08	0.42035	2.03E-21
0.758	-0.00452	0.92236	-0.08084	0.08096	0.0414286	0.37172	0.171739	0.00019
0.41675	0.01361	0.76927	-0.09345	0.04353	0.14024002	0.00239	0.419314	2.60E-21
0.30143	0.111009	0.0164	-0.11741	0.01111	0.15859053	0.00058	0.47315	1.99E-27
0.00186	-0.07531	0.1041	0.021792	0.63855	0.2525415	3.15E-08	0.396861	4.57E-19
0.00749	-0.07304	0.11494	-0.05531	0.23288	0.38095096	1.41E-17	0.603877	9.62E-48
0.70828	-0.20829	5.65E-06	-0.31954	1.51E-12	0.08975174	0.05259	0.370513	1.21E-16
0.30103	0.278685	8.89E-10	0.12004	0.00942	0.24294367	1.06E-07	0.426443	4.65E-22
0.08982	0.039312	0.39666	0.038552	0.40586	0.23926741	1.67E-07	0.391027	1.64E-18
0.15737	-0.08419	0.06912	0.009334	0.84056	0.243826	9.52E-08	0.478574	4.18E-28
0.25254	-0.1825	7.29E-05	-0.02101	0.65057	0.23128947	4.34E-07	0.438587	2.24E-23
0.2453	0.012603	0.7859	-0.12921	0.00517	0.21128575	4.11E-06	0.447599	2.18E-24
0.48259	0.058064	0.2104	0.010987	0.8128	0.10815712	0.01939	0.235422	2.66E-07
0.07932	-0.00191	0.96722	-0.0174	0.70764	0.18094349	8.42E-05	0.43237	1.07E-22
0.01139	-0.07286	0.11588	-0.11876	0.01021	0.07746773	0.0945	0.256984	1.77E-08



3.97E-05	0.342667	2.60E-14	0.478543	4.21E-28	-0.161987	0.00044	-0.41543	6.54E-21
0.76653	0.187093	4.74E-05	0.088711	0.0554	0.40246185	1.31E-19	0.656232	7.54E-59
0.24955	0.328606	3.20E-13	0.142778	0.00198	0.50988519	2.86E-32	0.752126	3.01E-86
0.00391	-0.2504	4.15E-08	-0.31033	6.97E-12	0.14996119	0.00115	0.374951	4.90E-17
0.2162	0.130171	0.00484	0.098085	0.03408	0.16296454	0.00041	0.373538	6.55E-17
0.01636	-0.17953	9.58E-05	-0.09198	0.04697	0.05439257	0.24073	0.260569	1.10E-08
0.27471	-0.07304	0.11496	0.042627	0.35803	-0.1785262	0.0001	-0.43865	2.21E-23
0.00017	0.26626	5.09E-09	0.238433	1.85E-07	-0.2335254	3.33E-07	-0.47591	9.04E-28
0.24486	-0.10335	0.02553	-0.13001	0.00489	0.22213661	1.25E-06	0.494422	3.69E-30
0.0004	0.024404	0.59886	-0.08029	0.08306	0.16657154	0.0003	0.470924	3.75E-27
0.64624	0.063875	0.16818	-0.04863	0.29435	0.06912309	0.13582	0.319637	1.49E-12
0.77268	-0.12474	0.00696	-0.09395	0.04243	0.25452319	2.44E-08	0.502122	3.38E-31
0.03931	-0.05372	0.24665	0.082442	0.0751	0.22572459	8.28E-07	0.389335	2.37E-18
0.03419	0.301597	2.82E-11	0.36572	3.17E-16	-0.0918888	0.04719	-0.31498	3.24E-12
0.32073	-0.13666	0.00308	0.131224	0.0045	-0.1116352	0.0158	-0.46223	4.26E-26
0.64519	-0.07152	0.12271	0.060519	0.19172	0.25704311	1.75E-08	0.511717	1.58E-32
0.00929	-0.08434	0.06862	0.118993	0.01006	0.41533848	6.69E-21	0.625188	5.21E-52
0.91057	0.184978	5.78E-05	0.132549	0.00411	0.38354226	8.17E-18	0.644355	3.87E-56
0.50422	-0.16816	0.00026	-0.01735	0.70838	0.269953	3.06E-09	0.486329	4.26E-29
0.09798	-0.01104	0.81185	0.027659	0.55102	0.2881786	2.21E-10	0.552417	1.15E-38
0.8911	0.049226	0.28843	-0.03261	0.48211	0.33294888	1.49E-13	0.638207	8.80E-55
0.0185	0.064672	0.16293	0.145896	0.00157	0.55185244	1.42E-38	0.756589	7.91E-88
0.88773	0.181905	7.70E-05	0.083658	0.07089	0.29681596	5.94E-11	0.359344	1.11E-15
0.01779	-0.02706	0.55968	-0.01954	0.67366	-0.1173164	0.01117	-0.31102	6.22E-12
0.16173	0.223543	1.06E-06	-0.00571	0.9021	0.01057686	0.81968	0.206176	7.06E-06
0.06727	-0.15159	0.00102	-0.07304	0.11494	0.12658272	0.00616	0.266103	5.20E-09
0.27459	0.093801	0.04275	0.093757	0.04285	0.30002048	3.61E-11	0.434586	6.17E-23
0.14162	-0.09173	0.04756	0.179285	9.80E-05	0.19529444	2.14E-05	-0.12533	0.00669
0.1174	-0.11006	0.01735	-0.11999	0.00945	0.23811807	1.92E-07	0.514168	7.12E-33
5.74E-07	0.171933	0.00019	0.13239	0.00416	0.30278949	2.34E-11	0.47885	3.85E-28
0.91691	-0.00876	0.85026	0.091602	0.04788	0.41108399	1.81E-20	0.645785	1.85E-56
0.51195	0.135463	0.00336	-0.02925	0.5284	0.22365293	1.05E-06	0.540662	8.33E-37
0.96524	0.029326	0.52727	-0.00166	0.9714	0.35435138	2.91E-15	0.620209	5.54E-51
0.00131	-0.04844	0.29622	0.064454	0.16435	0.14098417	0.00226	0.396201	5.29E-19
2.64E-05	0.249272	4.79E-08	0.072845	0.11594	0.2676165	4.22E-09	0.48096	2.08E-28
0.012	0.053123	0.25191	-0.13902	0.00261	0.26452112	6.45E-09	0.509605	3.13E-32
0.07715	-0.07886	0.0887	0.353788	3.24E-15	-0.065569	0.15716	-0.3403	3.99E-14
0.39251	0.100222	0.03035	-0.03639	0.43274	0.01170356	0.80085	-0.2111	4.19E-06
8.76E-11	0.063365	0.17162	-0.04618	0.31929	0.16876427	0.00025	0.382282	1.07E-17
0.14651	-0.0728	0.11616	0.03769	0.41645	-0.0699471	0.1312	-0.41418	8.79E-21
0.03402	0.205981	7.20E-06	0.135358	0.00338	0.31833498	1.86E-12	0.604189	8.37E-48
0.10301	0.031869	0.49207	0.110453	0.01695	-0.1065475	0.02128	-0.34265	2.60E-14
0.00058	0.073604	0.11218	0.177098	0.00012	0.12063218	0.00907	-0.10626	0.02164
0.1202	0.156311	0.0007	-0.07082	0.12644	0.21809052	1.96E-06	0.438226	2.46E-23
9.65E-18	-0.09909	0.03228	-0.05241	0.2583	0.38936131	2.35E-18	0.604978	5.90E-48

0.054	0.124885	0.00689	-0.03719	0.42262	0.22269899	1.17E-06	0.481985	1.54E-28
0.75618	0.090612	0.05036	0.019156	0.67969	0.36783224	2.08E-16	0.669726	4.41E-62
0.72769	-0.06789	0.14293	-0.13535	0.00338	0.2241311	9.94E-07	0.475494	1.02E-27
0.51906	0.293852	9.38E-11	0.042576	0.3586	0.24098935	1.35E-07	0.576297	1.12E-42
0.8725	0.029023	0.53154	-0.00719	0.87692	0.38484667	6.19E-18	0.619553	7.54E-51
0.98003	0.018975	0.68254	0.183878	6.41E-05	-0.0193732	0.67626	-0.27871	8.86E-10
0.00167	-0.02435	0.59965	-0.1148	0.01305	0.24421243	9.07E-08	0.451181	8.46E-25
0.8371	0.076317	0.09952	0.028107	0.54459	0.44531651	3.96E-24	0.725185	2.23E-77
0.18242	0.08265	0.07437	-0.10576	0.02227	0.26511511	5.95E-09	0.514634	6.12E-33
5.74E-05	0.070042	0.13068	0.061381	0.18545	0.26006356	1.17E-08	0.37627	3.74E-17
0.28109	0.147809	0.00136	0.113483	0.01414	0.34835209	9.05E-15	0.543723	2.78E-37
0.00053	-0.01738	0.70788	0.032917	0.47793	0.03976206	0.39128	-0.23485	2.84E-07
0.68846	-0.19481	2.24E-05	-0.12968	0.005	0.30620524	1.36E-11	0.548133	5.59E-38
0.93051	-0.16059	0.00049	-0.28405	4.08E-10	0.16284431	0.00041	0.314119	3.74E-12
0.53508	0.031353	0.49911	0.058416	0.20764	0.28530161	3.39E-10	0.374973	4.88E-17
0.00407	-0.04137	0.37234	-0.04859	0.2947	0.32270624	8.86E-13	0.439916	1.60E-23
0.23384	0.173807	0.00016	0.143884	0.00183	0.47800038	4.93E-28	0.687567	1.26E-66
2.61E-08	0.112009	0.01545	0.014158	0.76025	0.15026185	0.00113	0.311435	5.82E-12
0.05566	0.006055	0.89616	-0.1058	0.02221	0.14172319	0.00214	0.330127	2.46E-13
0.7807	-0.02267	0.62503	-0.03133	0.49936	0.31667044	2.45E-12	0.631562	2.38E-53
0.0243	0.053583	0.24781	0.143213	0.00192	0.23832296	1.87E-07	0.33325	1.42E-13
0.00072	0.098515	0.0333	0.125285	0.00671	0.22590298	8.11E-07	0.323741	7.42E-13
0.82843	0.332311	1.67E-13	0.10664	0.02117	0.31177942	5.50E-12	0.618988	9.82E-51
0.00527	0.116416	0.01182	-0.16714	0.00029	0.09937686	0.03178	0.323383	7.89E-13
0.14152	0.146679	0.00148	-0.06177	0.18265	0.15441422	0.00081	0.301299	2.95E-11
0.01696	0.148692	0.00127	0.019742	0.67045	0.12665271	0.00613	0.35039	6.17E-15
0.07089	0.264638	6.34E-09	0.192775	2.74E-05	0.38529775	5.63E-18	0.644112	4.39E-56
1.61E-07	0.03607	0.43677	0.045735	0.32403	0.24016584	1.49E-07	0.364939	3.70E-16
0.21244	-0.14524	0.00165	-0.17391	0.00016	0.12354649	0.00752	0.372617	7.90E-17
0.0167	0.198941	1.48E-05	0.197033	1.80E-05	0.05544664	0.23173	-0.17728	0.00012
0.13934	-0.19533	2.13E-05	-0.09666	0.03678	0.24488599	8.34E-08	0.50045	5.71E-31
0.00188	-0.02841	0.54029	-0.04149	0.37099	0.21512423	2.71E-06	0.459811	8.28E-26
0.54997	0.090987	0.04941	0.029008	0.53176	0.28023129	7.11E-10	0.420393	2.01E-21
1.36E-05	-0.08535	0.06537	0.052156	0.26065	0.40438377	8.45E-20	0.436173	4.13E-23
0.78825	-0.22959	5.30E-07	-0.24494	8.28E-08	-0.1090345	0.01842	0.076011	0.10088
0.10139	-0.18493	5.81E-05	-0.07962	0.08566	0.19870061	1.52E-05	0.275743	1.35E-09
0.79582	-0.02989	0.51936	-0.04844	0.29625	0.28969311	1.76E-10	0.533093	1.20E-35
1.46E-08	0.18183	7.76E-05	0.094454	0.04133	0.27764297	1.03E-09	0.399879	2.33E-19
0.0222	0.198299	1.58E-05	0.230162	4.95E-07	0.4069413	4.71E-20	0.587114	1.32E-44
0.55418	0.146092	0.00155	0.070939	0.12581	0.22468923	9.32E-07	0.447092	2.49E-24
4.44E-12	-0.0176	0.70438	0.038813	0.40269	0.20841448	5.58E-06	0.351063	5.44E-15
0.42371	-0.10184	0.02777	0.033809	0.46609	0.23730495	2.12E-07	0.354931	2.60E-15
0.55207	0.150902	0.00107	0.056277	0.2248	0.15737002	0.00064	0.327987	3.57E-13
0.73635	0.194761	2.25E-05	0.125671	0.00654	0.37276103	7.67E-17	0.501119	4.64E-31
0.02464	0.159327	0.00055	0.030936	0.50484	0.09550679	0.0391	0.283959	4.13E-10

0.00985	0.082363	0.07538	0.146158	0.00154	-0.2178429	2.01E-06	-0.44181	9.82E-24
0.62466	0.001653	0.97158	0.038431	0.40734	0.16389435	0.00038	0.302743	2.35E-11
0.64518	0.218806	1.81E-06	0.082916	0.07343	0.33193181	1.79E-13	0.488142	2.48E-29
0.82146	0.135392	0.00337	0.419542	2.47E-21	0.28105689	6.31E-10	0.026465	0.56835
5.18E-05	0.026405	0.56924	0.136954	0.00302	-0.1685147	0.00025	-0.40988	2.40E-20
1.81E-05	0.222959	1.13E-06	0.188411	4.18E-05	-0.0955726	0.03897	-0.32734	4.00E-13
0.85296	0.370457	1.23E-16	0.190984	3.26E-05	0.3041011	1.90E-11	0.53601	4.33E-36
0.00131	0.180611	8.68E-05	0.23911	1.70E-07	0.02418302	0.60218	-0.18556	5.48E-05
0.45062	0.000488	0.99161	0.31284	4.62E-12	0.21008519	4.67E-06	-0.15913	0.00056
0.19477	-0.07728	0.09532	0.052671	0.25597	-0.2321037	3.94E-07	-0.51507	5.30E-33
0.95743	-0.21754	2.08E-06	-0.12185	0.00839	0.14230763	0.00205	0.349198	7.73E-15
0.93295	0.204238	8.64E-06	0.116631	0.01166	0.28115411	6.22E-10	0.370742	1.16E-16
0.02838	0.062439	0.17798	-0.00888	0.84819	0.1497486	0.00117	0.317095	2.28E-12
0.35379	0.235661	2.58E-07	0.2247	9.31E-07	0.39883926	2.94E-19	0.532337	1.56E-35
0.68682	0.127506	0.00579	-0.04331	0.35043	0.30501457	1.64E-11	0.565297	8.65E-41
0.16604	-0.22154	1.33E-06	-0.1113	0.01612	0.30782666	1.04E-11	0.535053	6.06E-36
0.00143	0.055641	0.23009	0.087344	0.05928	0.2139595	3.08E-06	0.431434	1.36E-22
0.29065	0.052944	0.25351	0.029197	0.5291	0.17208651	0.00019	0.335904	8.83E-14
0.111	0.087274	0.05949	0.075757	0.10203	0.33855861	5.48E-14	0.56393	1.47E-40
0.16404	0.061776	0.18263	0.0266	0.56637	0.5314791	2.10E-35	0.73301	7.65E-80
0.69154	0.278367	9.31E-10	0.184076	6.29E-05	0.41872716	3.00E-21	0.492452	6.73E-30
0.31719	-0.07	0.13093	-0.06703	0.14808	0.26756901	4.25E-09	0.531449	2.13E-35
0.48456	-0.11735	0.01115	-0.24669	6.65E-08	0.14432883	0.00177	0.412073	1.44E-20
0.8511	0.153567	0.00087	0.053436	0.24912	0.51363995	8.47E-33	0.770202	7.23E-93
0.16974	-0.03061	0.50938	0.055051	0.23508	0.39184309	1.37E-18	0.572984	4.21E-42
0.27015	0.20017	1.31E-05	-0.05122	0.26931	0.08657121	0.06158	0.427597	3.50E-22
0.5185	-0.01439	0.75645	0.027546	0.55265	0.34603088	1.40E-14	0.545512	1.45E-37
0.39202	0.039034	0.40002	-0.06092	0.18879	0.10021374	0.03037	0.236213	2.42E-07
0.04074	0.136221	0.00318	0.115988	0.01213	0.26142333	9.79E-09	0.40679	4.88E-20
0.00082	-0.20942	5.01E-06	-0.19846	1.56E-05	0.23741994	2.09E-07	0.519938	1.06E-33
0.01164	0.164802	0.00035	0.199029	1.47E-05	-0.2092891	5.08E-06	-0.37203	8.90E-17
0.0017	-0.05519	0.23394	-0.30389	1.96E-11	0.11364918	0.014	0.392693	1.14E-18
0.39784	0.274929	1.52E-09	0.103937	0.02469	0.33454548	1.13E-13	0.5694	1.74E-41
0.36503	0.182728	7.14E-05	0.059357	0.2004	0.32244254	9.27E-13	0.55002	2.79E-38
0.0942	0.014009	0.7627	0.121378	0.00865	0.24154056	1.26E-07	0.337951	6.12E-14
0.04158	0.087808	0.05794	0.310883	6.37E-12	0.06291411	0.17469	-0.18968	3.70E-05
0.01498	-0.28112	6.26E-10	-0.15893	0.00057	-0.2736134	1.83E-09	-0.46653	1.29E-26
1.19E-07	-0.11346	0.01416	0.06507	0.16035	0.12658577	0.00616	-0.10253	0.02671
0.31388	0.118161	0.0106	-0.00898	0.84657	0.1422853	0.00205	0.443409	6.50E-24
0.0521	0.157335	0.00064	0.097005	0.03612	0.26486461	6.15E-09	0.5228	4.07E-34
6.90E-06	0.096657	0.03679	0.101986	0.02754	0.41147196	1.66E-20	0.637876	1.04E-54
0.14652	-0.21163	3.96E-06	-0.15432	0.00082	0.2642077	6.73E-09	0.476429	7.77E-28
0.0435	0.047404	0.30667	0.078268	0.09113	0.12024206	0.0093	0.348831	8.28E-15
0.39965	-0.15534	0.00076	-0.04619	0.31921	0.20562636	7.48E-06	0.416484	5.11E-21
0.64545	0.087268	0.05951	-0.0919	0.04715	0.17043868	0.00022	0.460705	6.48E-26

0.15404	-0.0457	0.32439	-0.12025	0.00929	0.34067949	3.73E-14	0.415098	7.08E-21
0.6805	-0.04274	0.35678	-0.09405	0.04221	0.21669298	2.28E-06	0.506602	8.20E-32
0.66086	-0.32605	4.99E-13	-0.2199	1.60E-06	0.16850711	0.00025	0.324483	6.54E-13
3.44E-06	0.235217	2.72E-07	0.143781	0.00184	0.27406588	1.72E-09	0.499897	6.79E-31
0.28331	-0.34021	4.06E-14	-0.28848	2.11E-10	0.20662992	6.73E-06	0.481714	1.67E-28
0.00082	0.227831	6.50E-07	0.150887	0.00107	-0.01694	0.71502	-0.18561	5.45E-05
3.56E-07	0.247019	6.38E-08	0.09819	0.03389	0.33391212	1.26E-13	0.514861	5.68E-33
0.07543	0.143952	0.00182	0.156781	0.00067	0.3394708	4.65E-14	0.55617	2.83E-39
0.62465	0.031961	0.49082	-0.16343	0.00039	0.28251977	5.10E-10	0.615734	4.47E-50
0.86032	-0.19644	1.91E-05	-0.16052	0.0005	0.15025801	0.00113	0.353647	3.33E-15
0.03306	-0.04955	0.28526	-0.00118	0.97972	0.3408281	3.63E-14	0.54241	4.45E-37
0.92742	0.243337	1.01E-07	-0.04908	0.28982	0.15552589	0.00074	0.501955	3.57E-31
0.00056	0.182856	7.05E-05	0.051883	0.26316	0.36072859	8.48E-16	0.522988	3.82E-34
0.02731	0.048929	0.29135	0.034399	0.45833	0.20783806	5.93E-06	0.411199	1.76E-20
0.00169	-0.08407	0.0695	-0.1649	0.00035	0.09252718	0.04567	0.249423	4.70E-08
0.0161	0.347486	1.06E-14	0.21616	2.42E-06	0.33499657	1.04E-13	0.639549	4.48E-55
0.36886	-0.0304	0.51232	-0.07934	0.08679	-0.2604951	1.11E-08	-0.51238	1.27E-32
0.08964	0.085554	0.06471	0.127504	0.00579	0.3489808	8.05E-15	0.630304	4.40E-53
7.79E-07	0.191404	3.13E-05	0.008481	0.85497	0.22449603	9.53E-07	0.450007	1.16E-24
3.76E-18	-0.00964	0.83533	0.001843	0.96831	0.24745591	6.04E-08	0.43357	7.96E-23
0.52489	0.161958	0.00044	0.090268	0.05124	0.42415175	8.12E-22	0.600539	4.19E-47
0.00359	0.029118	0.5302	-0.13528	0.0034	0.1961996	1.95E-05	0.451341	8.11E-25
0.28545	-0.18093	8.42E-05	-0.15032	0.00112	0.15558537	0.00074	0.411643	1.59E-20
0.29902	0.030013	0.51764	0.00754	0.87091	0.46860616	7.22E-27	0.743786	2.20E-83
0.0001	-0.00662	0.88649	-0.03959	0.39332	0.37223531	8.54E-17	0.393506	9.56E-19
0.14886	-0.10403	0.02456	0.154359	0.00082	-0.0090419	0.84549	-0.29258	1.14E-10
0.86962	-0.0033	0.9433	-0.05319	0.25128	0.30198751	2.65E-11	0.548731	4.49E-38
0.73715	-0.21175	3.91E-06	0.035345	0.44605	-0.1971931	1.77E-05	-0.45338	4.71E-25
0.34048	0.108591	0.01891	0.120802	0.00897	0.3996046	2.48E-19	0.622858	1.58E-51
0.25773	0.011343	0.80686	-0.12617	0.00633	0.25421195	2.54E-08	0.555457	3.70E-39
0.66154	0.125573	0.00658	-0.03749	0.41888	0.31438901	3.58E-12	0.404713	7.84E-20
0.00125	-0.06878	0.13775	-0.05292	0.25371	0.14209932	0.00208	0.345979	1.41E-14
0.0606	0.198606	1.54E-05	0.031354	0.49909	0.32185817	1.02E-12	0.54093	7.57E-37
0.13936	-0.17028	0.00022	-0.07712	0.09599	-0.0383942	0.40779	0.204409	8.48E-06
0.56139	-0.04008	0.38747	-0.13396	0.00373	-0.0277216	0.55012	0.118062	0.01067
0.11632	0.022236	0.63173	0.068051	0.14201	0.27485184	1.54E-09	0.447719	2.11E-24
0.42979	-0.0528	0.25481	-0.07365	0.11196	0.11778828	0.01085	0.313254	4.32E-12
0.71797	0.001991	0.96577	-0.08006	0.08395	0.07279815	0.11617	0.243853	9.48E-08
0.00314	0.139204	0.00257	-0.01528	0.74188	0.05493616	0.23606	0.223808	1.03E-06
0.01302	0.047469	0.306	0.13105	0.00456	0.29552749	7.25E-11	0.468929	6.60E-27
0.16115	0.354711	2.72E-15	0.22768	6.61E-07	0.45227578	6.33E-25	0.65156	9.08E-58
0.83285	-0.02833	0.54143	-0.06571	0.15628	0.21547828	2.61E-06	0.391887	1.36E-18
4.67E-05	-0.03592	0.43874	-0.12355	0.00752	0.24170239	1.24E-07	0.463787	2.77E-26
0.36828	-0.06158	0.18405	0.09153	0.04806	0.40795394	3.74E-20	0.607185	2.20E-48
7.59E-06	0.280077	7.27E-10	0.119441	0.00978	0.26452751	6.44E-09	0.435378	5.05E-23

0.24672	-0.21051	4.46E-06	-0.0128	0.78262	0.42206333	1.35E-21	0.57379	3.05E-42
0.00332	0.234176	3.08E-07	0.130157	0.00484	0.45195981	6.88E-25	0.637317	1.37E-54
0.19586	0.194859	2.23E-05	0.134338	0.00363	0.36960417	1.46E-16	0.513069	1.02E-32
0.52268	0.226645	7.45E-07	0.070692	0.12714	0.26635619	5.02E-09	0.474716	1.27E-27
0.00101	0.185274	5.63E-05	-0.09262	0.04546	0.0939441	0.04244	0.234248	3.06E-07
0.63548	0.065714	0.15624	-0.12168	0.00848	0.17342543	0.00017	0.510294	2.51E-32
0.07029	-0.09354	0.04334	-0.0694	0.13425	0.48107442	2.01E-28	0.739336	6.71E-82
1.65E-05	0.119748	0.00959	0.069332	0.13464	0.19773802	1.68E-05	0.30342	2.11E-11
0.50157	-0.0255	0.58248	0.003295	0.94338	0.23343965	3.36E-07	0.417505	4.01E-21
0.8586	0.167757	0.00027	-0.03754	0.41829	0.30691876	1.21E-11	0.532063	1.72E-35
5.75E-07	0.160999	0.00048	0.009202	0.84278	0.14095071	0.00227	0.350519	6.03E-15
0.94299	0.245976	7.27E-08	0.428099	3.10E-22	0.13878034	0.00265	-0.14677	0.00147
0.00426	-0.04053	0.38221	-0.15289	0.00092	0.39004415	2.03E-18	0.648361	4.86E-57
0.12033	-0.10155	0.02821	-0.04632	0.31787	0.44402847	5.53E-24	0.613594	1.20E-49
0.02339	0.177596	0.00011	0.170896	0.00021	0.33258119	1.60E-13	0.503585	2.14E-31
0.85453	0.06353	0.1705	-0.01689	0.71578	0.31271843	4.71E-12	0.545672	1.37E-37
0.00013	-0.05681	0.22047	-0.07631	0.09955	0.14126951	0.00221	0.341362	3.29E-14
1.75E-07	0.084545	0.06794	-0.00041	0.993	0.29107075	1.43E-10	0.477692	5.39E-28
0.00022	-0.07474	0.10675	0.035816	0.44002	0.47278543	2.21E-27	0.667123	1.91E-61
0.81222	-0.11508	0.01282	-0.02384	0.60727	0.16630851	0.00031	0.366729	2.59E-16
4.18E-05	0.001534	0.97362	-0.12641	0.00623	0.05859756	0.20623	0.241644	1.25E-07
0.00181	0.118983	0.01007	0.064174	0.1662	0.39854555	3.14E-19	0.545582	1.42E-37
0.00225	0.332169	1.72E-13	0.318703	1.74E-12	-0.0637544	0.16899	-0.33308	1.46E-13
0.20743	0.177493	0.00012	0.070525	0.12804	0.25605855	1.99E-08	0.530471	2.98E-35
0.33221	0.038722	0.4038	0.059716	0.19769	0.42682081	4.24E-22	0.724358	4.01E-77
5.08E-06	0.097469	0.03523	0.076649	0.09805	0.33321632	1.43E-13	0.490804	1.11E-29
0.30601	0.099985	0.03075	0.111741	0.0157	0.33402122	1.24E-13	0.529093	4.79E-35
0.28226	0.068854	0.13735	0.149602	0.00118	0.48258617	1.29E-28	0.696361	5.44E-69
0.8273	0.007068	0.87892	-0.03296	0.47733	0.47943481	3.25E-28	0.713461	7.67E-74
0.24722	-0.126	0.0064	-0.24225	1.16E-07	-0.0352973	0.44667	0.275622	1.38E-09
0.47352	0.086954	0.06043	-0.11372	0.01393	-0.0421223	0.36375	0.150374	0.00112
0.52	0.198182	1.60E-05	0.092764	0.04511	0.44104092	1.20E-23	0.680784	7.33E-65
3.34E-08	-0.08066	0.08166	-0.05493	0.2361	0.17867623	0.0001	0.353941	3.15E-15
0.00023	-0.06003	0.19535	-0.04981	0.28278	0.14933768	0.00121	0.276025	1.30E-09
0.24995	0.223371	1.08E-06	-0.01971	0.67101	0.01610719	0.72846	0.263061	7.86E-09
0.66752	-0.14533	0.00164	0.167096	0.00029	0.33060161	2.26E-13	0.427752	3.37E-22
0.03712	0.408102	3.61E-20	0.209721	4.86E-06	0.20647485	6.84E-06	0.526163	1.30E-34
0.75586	0.119627	0.00967	0.031861	0.49217	0.49356289	4.80E-30	0.781912	1.73E-97
0.00805	0.124497	0.00707	0.227777	6.54E-07	-0.1347272	0.00353	-0.28738	2.49E-10
0.05151	0.237544	2.06E-07	0.031926	0.4913	0.28618672	2.97E-10	0.580246	2.25E-43
6.08E-08	0.201523	1.14E-05	0.095188	0.03976	0.25024837	4.23E-08	0.394839	7.14E-19
0.00629	0.205816	7.33E-06	0.109022	0.01844	0.38308637	9.00E-18	0.652379	5.89E-58
0.44349	-0.27194	2.32E-09	-0.13107	0.00455	0.26472549	6.27E-09	0.487628	2.89E-29
0.01792	-0.03164	0.49523	0.092125	0.04662	0.31006828	7.27E-12	0.480987	2.07E-28
0.07675	0.024813	0.59275	-0.11554	0.01247	0.19547878	2.10E-05	0.446608	2.83E-24

0.04371	0.009796	0.83279	0.112402	0.01509	0.35816285	1.40E-15	0.565142	9.19E-41
0.00814	0.126242	0.0063	0.091639	0.04779	0.32574376	5.26E-13	0.485887	4.86E-29
5.28E-08	-0.00304	0.94777	-0.04877	0.29292	0.20001957	1.33E-05	0.42222	1.30E-21
0.45216	0.079951	0.08437	-0.05695	0.21934	0.11176206	0.01568	0.291833	1.27E-10
0.17355	0.121183	0.00876	0.366831	2.54E-16	-0.0177956	0.7013	-0.29104	1.44E-10
0.15128	0.231498	4.23E-07	0.150897	0.00107	0.31896985	1.67E-12	0.586616	1.62E-44
0.06227	0.055335	0.23267	0.008355	0.8571	0.35009056	6.53E-15	0.603073	1.37E-47
0.89633	-0.03786	0.41433	0.079768	0.08508	0.49031293	1.29E-29	0.604792	6.41E-48
0.00016	0.063325	0.17189	-0.00398	0.93168	0.22376354	1.04E-06	0.369494	1.49E-16
0.45905	-0.25457	2.42E-08	-0.07665	0.09806	0.41565197	6.21E-21	0.60396	9.27E-48
0.65715	0.145759	0.00159	-0.1202	0.00932	0.21506642	2.73E-06	0.397804	3.71E-19
0.60986	0.062544	0.17725	-0.18003	9.15E-05	0.30953737	7.92E-12	0.510685	2.21E-32
0.06468	0.079751	0.08515	0.043069	0.35306	0.36916827	1.59E-16	0.596052	2.95E-46
0.86377	0.217265	2.14E-06	0.165659	0.00032	0.47286792	2.16E-27	0.711858	2.26E-73
0.61049	0.120214	0.00931	-0.02349	0.61262	0.19613552	1.97E-05	0.316053	2.72E-12
1.48E-06	-0.13763	0.00288	-0.11279	0.01474	0.16864075	0.00025	0.412503	1.30E-20
0.06125	0.016064	0.72917	-0.08746	0.05895	-0.0121979	0.79263	0.224827	9.18E-07
0.54751	0.07025	0.12954	0.093758	0.04285	0.26740086	4.35E-09	0.443465	6.40E-24
0.75788	0.1129	0.01464	-0.00624	0.89309	0.332276	1.68E-13	0.655445	1.15E-58
0.7986	0.00359	0.93832	-0.03969	0.39217	0.06244238	0.17795	0.316078	2.70E-12
0.6571	0.00247	0.95755	0.036686	0.42899	0.28537385	3.35E-10	0.573548	3.36E-42
0.01812	-0.19864	1.53E-05	-0.21592	2.49E-06	0.19049682	3.42E-05	0.456292	2.15E-25
0.84431	-0.08734	0.05931	-0.08375	0.07059	-0.1589845	0.00056	-0.35539	2.38E-15
0.03749	0.093273	0.04394	0.109907	0.0175	-0.0934682	0.0435	-0.34521	1.62E-14
0.24107	0.188093	4.31E-05	0.123433	0.00757	0.45561151	2.59E-25	0.701251	2.42E-70
2.54E-23	0.188662	4.08E-05	0.084691	0.06747	0.25105805	3.82E-08	0.415701	6.14E-21
0.48282	0.150288	0.00112	0.073524	0.11257	0.33175084	1.85E-13	0.640188	3.24E-55
0.77466	0.084467	0.06819	0.306911	1.21E-11	-0.1054326	0.02269	-0.30564	1.48E-11
6.11E-08	0.012272	0.79139	0.042575	0.35861	0.28959365	1.79E-10	0.500331	5.93E-31
0.18604	0.215356	2.64E-06	0.15927	0.00055	0.39402658	8.53E-19	0.676645	8.31E-64
0.41493	0.180822	8.51E-05	0.22462	9.40E-07	0.26951794	3.25E-09	-0.01907	0.68101
0.00126	0.101631	0.02809	0.066535	0.15112	0.35865116	1.27E-15	0.558567	1.14E-39
0.06284	0.101632	0.02809	-0.03963	0.39284	0.27602124	1.30E-09	0.491156	9.98E-30
0.18131	0.103799	0.02489	-0.02661	0.56624	0.30704758	1.18E-11	0.66123	5.00E-60
0.57173	0.024995	0.59004	-0.00076	0.98694	0.31046019	6.82E-12	0.412759	1.23E-20
0.2178	-0.25118	3.75E-08	-0.12205	0.00828	0.19003281	3.57E-05	0.309429	8.06E-12
0.03924	0.32239	9.35E-13	0.086522	0.06173	0.26946051	3.27E-09	0.499936	6.71E-31
0.00522	0.140039	0.00242	-0.02641	0.56917	0.2958585	6.89E-11	0.594951	4.74E-46
0.14235	0.065725	0.15617	-0.03464	0.45517	0.27481081	1.55E-09	0.555195	4.08E-39
0.39323	0.079901	0.08456	-0.03213	0.48849	0.14088037	0.00228	0.440498	1.38E-23
0.43779	0.199833	1.36E-05	0.2566	1.86E-08	0.47417186	1.49E-27	0.64575	1.89E-56
1.02E-05	0.20196	1.09E-05	0.043392	0.34946	0.30065017	3.27E-11	0.540822	7.87E-37
0.04718	-0.08509	0.06618	0.07459	0.10743	0.39010788	2.00E-18	0.553777	6.94E-39
0.76298	-0.13689	0.00303	-0.17462	0.00015	0.17291576	0.00017	0.452689	5.66E-25
0.68154	-0.29936	4.01E-11	-0.24898	4.98E-08	0.16794555	0.00027	0.417306	4.20E-21

0.00161	0.184736	5.92E-05	0.107967	0.01961	0.28571025	3.19E-10	0.52061	8.48E-34
0.78065	0.246579	6.74E-08	0.327612	3.81E-13	0.46758909	9.61E-27	0.677745	4.37E-64
2.03E-06	-0.25117	3.76E-08	-0.18479	5.89E-05	0.19863909	1.53E-05	0.33301	1.48E-13
0.02411	0.306004	1.40E-11	0.135485	0.00335	0.40762738	4.03E-20	0.627043	2.14E-52
0.6892	0.195129	2.17E-05	0.214772	2.82E-06	-0.0077559	0.86725	-0.16812	0.00026
0.56921	0.215676	2.55E-06	0.077387	0.09484	0.52234738	4.74E-34	0.701099	2.67E-70
0.00219	0.258362	1.47E-08	0.049516	0.2856	0.17340377	0.00017	0.310989	6.26E-12
0.00134	0.239337	1.65E-07	0.195928	2.01E-05	0.49252952	6.57E-30	0.756323	9.85E-88
0.07632	-0.13865	0.00268	-0.09257	0.04557	0.47131297	3.36E-27	0.683155	1.79E-65
0.93054	0.136731	0.00307	-0.02026	0.66235	0.39276672	1.12E-18	0.647991	5.90E-57
0.24705	0.278416	9.24E-10	0.283659	4.32E-10	0.36382445	4.62E-16	0.504592	1.55E-31
0.04485	0.20992	4.75E-06	0.141372	0.0022	0.36389258	4.55E-16	0.471116	3.56E-27
0.45535	0.023296	0.61557	-0.0178	0.7012	0.05044919	0.2766	0.319871	1.43E-12
0.5521	-0.13378	0.00377	0.148903	0.00125	0.39882229	2.95E-19	0.49744	1.46E-30
0.10657	0.030301	0.51362	0.019958	0.66706	0.06650876	0.15129	0.289177	1.90E-10
0.40713	0.282084	5.43E-10	0.19569	2.06E-05	0.52908867	4.80E-35	0.741293	1.51E-82
0.29196	0.033785	0.46639	0.105922	0.02206	0.02363321	0.61046	-0.26174	9.38E-09
0.00245	0.109886	0.01753	0.27824	9.48E-10	-0.1073165	0.02036	-0.32742	3.94E-13
0.11243	0.144895	0.00169	0.014502	0.75462	0.12258909	0.008	0.381138	1.36E-17
0.7725	0.257876	1.57E-08	0.122129	0.00824	0.45837243	1.23E-25	0.745348	6.53E-84
0.22372	0.114342	0.01342	-0.12581	0.00648	0.02526318	0.58605	0.279995	7.36E-10
0.71847	0.222845	1.15E-06	0.179473	9.63E-05	0.47865189	4.08E-28	0.752231	2.76E-86
0.00132	-0.00856	0.85368	-0.06188	0.18189	0.27406357	1.72E-09	0.443554	6.26E-24
0.09111	0.177004	0.00012	0.049895	0.28192	0.27057656	2.80E-09	0.568355	2.63E-41
0.14664	0.183364	6.73E-05	0.09976	0.03113	0.3582803	1.37E-15	0.629491	6.54E-53
0.86128	0.222399	1.21E-06	0.350041	6.59E-15	-0.0458027	0.32331	-0.33827	5.77E-14
0.08843	0.194751	2.26E-05	0.107455	0.0202	0.35134533	5.15E-15	0.646297	1.42E-56
0.9743	0.135256	0.00341	-0.02204	0.63467	0.27915835	8.31E-10	0.484712	6.89E-29
0.43501	0.140243	0.00238	0.091569	0.04797	0.49309642	5.53E-30	0.650898	1.29E-57
0.05037	0.004346	0.92538	-0.08979	0.05249	0.3624776	6.02E-16	0.52985	3.69E-35
0.14663	0.168137	0.00026	-0.02186	0.63745	0.11242228	0.01507	0.423496	9.53E-22
0.96498	-0.33689	7.40E-14	0.030891	0.50546	-0.1708249	0.00021	-0.40033	2.11E-19
0.0106	0.009121	0.84416	0.097142	0.03585	0.32244094	9.27E-13	0.435854	4.48E-23
0.45621	0.083181	0.07252	0.218154	1.94E-06	0.05004097	0.28051	-0.20853	5.51E-06
0.59703	-0.06515	0.15985	-0.26383	7.08E-09	0.19845477	1.56E-05	0.507316	6.53E-32
0.10093	-0.03014	0.51585	-0.07709	0.09614	0.35373156	3.28E-15	0.640008	3.55E-55
9.77E-05	-0.1483	0.00131	-0.11286	0.01468	-0.0583214	0.20838	0.178375	0.00011
0.91296	0.11475	0.01309	0.092094	0.04669	0.35802606	1.44E-15	0.58708	1.34E-44
0.00353	-0.24167	1.24E-07	-0.12578	0.00649	0.35352549	3.41E-15	0.565542	7.87E-41
0.86967	-0.16147	0.00046	-0.05061	0.2751	0.2263312	7.72E-07	0.333889	1.27E-13
0.47592	-0.05871	0.20535	0.082645	0.07438	0.27183307	2.35E-09	0.390131	1.99E-18
0.22004	-0.21978	1.62E-06	-0.18141	8.06E-05	-0.3262809	4.80E-13	-0.53875	1.64E-36
2.10E-06	0.361468	7.34E-16	0.345966	1.41E-14	-0.1865594	4.98E-05	-0.47632	8.02E-28
0.92713	-0.04692	0.3116	0.127242	0.0059	-0.0220202	0.63504	-0.28062	6.72E-10
0.95943	-0.03078	0.50701	-0.08036	0.08278	-0.2822427	5.31E-10	-0.58647	1.72E-44

0.26269	0.13352	0.00384	0.428925	2.53E-22	0.10077203	0.02945	-0.23274	3.66E-07
0.25494	-0.0151	0.74486	0.049333	0.28738	0.22110926	1.40E-06	0.354589	2.78E-15
3.14E-09	0.00562	0.9036	0.012935	0.7804	0.20386323	8.98E-06	0.416104	5.59E-21
0.00011	0.183555	6.61E-05	0.160665	0.00049	0.41208901	1.43E-20	0.598183	1.17E-46
0.00622	0.261785	9.33E-09	0.163843	0.00038	0.33901754	5.04E-14	0.572881	4.39E-42
0.33616	-0.0213	0.64613	-0.00862	0.85258	-0.1604163	0.0005	-0.36137	7.48E-16
0.00103	0.199325	1.43E-05	0.207597	6.08E-06	-0.2608372	1.06E-08	-0.31169	5.58E-12
0.10202	0.098766	0.03285	0.119349	0.00984	-0.2331024	3.50E-07	-0.36255	5.93E-16
0.57477	0.228017	6.36E-07	0.042764	0.35649	0.02523797	0.58643	0.166342	0.00031
0.07216	-0.04868	0.29386	0.153135	0.0009	0.46551615	1.72E-26	0.644429	3.73E-56
0.13354	-0.11531	0.01265	-0.14602	0.00156	0.03789453	0.41392	0.213244	3.33E-06
0.00062	-0.25624	1.95E-08	-0.15457	0.0008	0.28590752	3.10E-10	0.392042	1.32E-18
0.09137	-0.02219	0.6325	0.107057	0.02067	0.36663845	2.64E-16	0.613787	1.10E-49
0.3509	-0.06981	0.13197	-0.07209	0.11975	0.38023335	1.64E-17	0.580858	1.75E-43
0.00302	0.138766	0.00265	0.012827	0.78219	0.26781243	4.11E-09	0.499618	7.41E-31
0.01566	-0.23609	2.45E-07	-0.08881	0.05514	0.13782008	0.00284	0.263315	7.59E-09
0.1601	-0.19473	2.26E-05	-0.08373	0.07064	0.31329317	4.29E-12	0.475467	1.03E-27
0.92698	0.202803	1.00E-05	0.159693	0.00053	0.34807209	9.54E-15	0.581807	1.19E-43
0.04894	0.14678	0.00147	0.002666	0.95418	0.16421942	0.00037	0.371379	1.02E-16
0.63128	-0.0758	0.10182	0.006359	0.89098	0.24691482	6.46E-08	0.410117	2.27E-20
7.26E-05	0.285172	3.45E-10	0.069135	0.13575	0.1759319	0.00013	0.386914	3.99E-18
0.00513	-0.24756	5.96E-08	-0.04995	0.28143	0.38366257	7.96E-18	0.484625	7.07E-29
0.95762	0.24287	1.07E-07	-0.03981	0.39067	0.20092116	1.21E-05	0.412692	1.25E-20
0.07527	-0.13261	0.00409	-0.16689	0.00029	0.27501466	1.50E-09	0.549105	3.91E-38
0.08072	-0.19753	1.71E-05	-0.07813	0.0917	0.1990668	1.47E-05	0.300581	3.31E-11
0.0524	0.333757	1.30E-13	0.178298	0.00011	0.37860664	2.30E-17	0.661677	3.92E-60
0.70258	-0.0912	0.04887	0.01915	0.67978	0.22419628	9.86E-07	0.298792	4.37E-11
0.97006	-0.15188	0.00099	-0.09282	0.04499	-0.1908211	3.31E-05	-0.46182	4.78E-26
0.6759	-0.02551	0.58244	-0.08589	0.06368	0.07915505	0.08752	0.339717	4.44E-14
0.11587	0.215324	2.65E-06	0.034609	0.45559	0.19006553	3.56E-05	0.433843	7.43E-23
0.05994	-0.15787	0.00062	0.160212	0.00051	-0.034	0.46357	-0.2745	1.62E-09
0.82008	0.003991	0.93145	0.131728	0.00435	-0.0270788	0.55941	-0.31655	2.50E-12
0.68252	0.017977	0.69841	0.023721	0.60913	0.29287139	1.09E-10	0.520555	8.64E-34
0.0167	0.190642	3.37E-05	0.051862	0.26336	0.17787461	0.00011	0.453373	4.72E-25
0.34407	0.1729	0.00017	0.207429	6.19E-06	0.41561443	6.27E-21	0.563755	1.57E-40
0.35659	-0.10692	0.02084	0.13887	0.00263	0.45853292	1.17E-25	0.550203	2.61E-38
0.07562	-0.02672	0.56462	-0.2348	2.86E-07	0.08886514	0.05498	0.223876	1.02E-06
0.74844	0.046946	0.31137	-0.04668	0.31415	0.32457095	6.44E-13	0.499787	7.03E-31
0.19707	0.002179	0.96254	0.22154	1.33E-06	0.24937241	4.73E-08	0.264229	6.71E-09
2.23E-07	-0.12606	0.00638	-0.06524	0.15928	0.2873014	2.52E-10	0.365334	3.42E-16
0.24724	-0.09743	0.03531	-0.07848	0.09025	0.21550406	2.60E-06	0.41148	1.65E-20
0.00197	0.165574	0.00033	0.036775	0.42786	0.15044861	0.00111	0.30434	1.83E-11
0.6216	-0.14449	0.00174	0.140863	0.00228	0.45457896	3.42E-25	0.581338	1.44E-43
0.0998	0.283748	4.26E-10	0.196256	1.94E-05	0.49351824	4.86E-30	0.762814	4.33E-90
0.00216	0.176674	0.00012	0.080913	0.08068	0.18762793	4.50E-05	0.367977	2.02E-16



0.00016	0.260455	1.11E-08	0.146257	0.00153	0.30939923	8.10E-12	0.538197	2.00E-36
0.00294	0.004281	0.92648	-0.10652	0.02132	0.0927499	0.04515	0.264016	6.90E-09
0.30396	-0.11769	0.01092	-0.16843	0.00026	-0.239032	1.72E-07	-0.50093	4.92E-31
0.57342	-0.12816	0.00554	0.018534	0.68953	0.33110385	2.07E-13	0.5733	3.72E-42
0.06184	-0.04243	0.36031	-0.07538	0.10377	0.26120507	1.01E-08	0.531359	2.19E-35
0.13704	-0.11092	0.01648	-0.00274	0.95289	0.3181167	1.92E-12	0.392538	1.18E-18
0.98504	0.225837	8.17E-07	0.102302	0.02706	0.41950548	2.49E-21	0.660601	7.06E-60
0.24858	0.303476	2.10E-11	0.0709	0.12602	0.2395574	1.61E-07	0.314086	3.76E-12
0.16761	0.090422	0.05084	0.000832	0.98569	0.43152037	1.33E-22	0.692236	7.16E-68
0.78425	0.06194	0.18148	0.171258	0.0002	0.44737843	2.31E-24	0.672577	8.70E-63
0.58497	-0.09427	0.04173	-0.1285	0.00542	0.09250417	0.04572	0.233179	3.47E-07
0.00477	-0.06185	0.18208	-0.13784	0.00283	-0.1893653	3.81E-05	-0.34539	1.57E-14
0.0282	0.224297	9.75E-07	0.212285	3.69E-06	-0.1638369	0.00038	-0.41039	2.13E-20
3.84E-07	0.275194	1.46E-09	0.170556	0.00021	0.43951078	1.77E-23	0.597915	1.32E-46
0.0769	0.035886	0.43912	-0.10771	0.0199	0.29836648	4.67E-11	0.591906	1.74E-45
0.71373	0.099697	0.03123	-0.00023	0.9961	0.18569241	5.41E-05	0.446887	2.63E-24
4.76E-09	-0.10162	0.0281	-0.18604	5.23E-05	0.11523392	0.01271	0.272391	2.17E-09
1.57E-11	0.159657	0.00053	0.066092	0.15387	0.32533919	5.64E-13	0.54474	1.92E-37
0.39121	0.230956	4.51E-07	0.115074	0.01283	0.24176104	1.23E-07	0.429582	2.15E-22
0.48449	0.290019	1.68E-10	0.125542	0.0066	0.42466825	7.17E-22	0.706518	7.88E-72
0.02204	-0.07993	0.08447	-0.07296	0.11537	-0.1170472	0.01136	-0.31078	6.48E-12
0.32501	0.277551	1.05E-09	0.162975	0.00041	0.4718444	2.89E-27	0.764998	6.69E-91
4.24E-05	0.350871	5.64E-15	0.406828	4.84E-20	-0.0852653	0.06562	-0.30109	3.05E-11
0.15068	0.004729	0.91882	0.102098	0.02737	0.22736439	6.86E-07	-0.06354	0.17043
0.88201	-0.10719	0.02051	-0.02376	0.60853	0.235368	2.67E-07	0.471049	3.62E-27
0.0261	0.088925	0.05481	-0.06929	0.13489	0.53038368	3.07E-35	0.723973	5.27E-77
0.37624	0.122249	0.00818	0.064765	0.16233	0.30003349	3.60E-11	0.389258	2.41E-18
0.27639	-0.03205	0.48956	0.009333	0.84059	0.37739306	2.96E-17	0.621297	3.32E-51
0.45185	0.330235	2.41E-13	0.531175	2.34E-35	0.09912431	0.03222	-0.12502	0.00683
0.13074	0.179222	9.85E-05	0.083243	0.0723	0.36447271	4.06E-16	0.513594	8.59E-33
0.53929	-0.06724	0.14686	0.095039	0.04008	-0.3215245	1.08E-12	-0.5422	4.81E-37
0.16159	0.179542	9.57E-05	0.068572	0.13897	0.33923047	4.85E-14	0.626067	3.42E-52
0.46595	0.117328	0.01117	0.175698	0.00014	0.21532042	2.66E-06	0.397352	4.10E-19
0.00115	0.125048	0.00682	0.036522	0.43106	-0.31249	4.89E-12	-0.52176	5.78E-34
0.9007	0.17713	0.00012	0.432511	1.04E-22	0.09252153	0.04568	-0.20923	5.12E-06
0.00047	0.022249	0.63152	-0.04974	0.28345	-0.2406162	1.41E-07	-0.45182	7.14E-25
0.15567	0.31145	5.80E-12	0.092546	0.04562	0.24153297	1.26E-07	0.548206	5.44E-38
0.52364	0.048789	0.29274	0.117956	0.01074	0.27239121	2.17E-09	0.401195	1.74E-19
0.03605	0.144173	0.00179	0.213934	3.09E-06	0.49061912	1.17E-29	0.677423	5.28E-64
0.34193	-0.00316	0.94568	0.250088	4.32E-08	0.07435261	0.10856	-0.1999	1.35E-05
0.70054	-0.04161	0.36963	-0.11995	0.00947	-0.002134	0.96332	0.290656	1.52E-10
0.12719	-0.02821	0.54306	0.005242	0.91005	0.35974002	1.03E-15	0.570267	1.24E-41
0.21057	0.011345	0.80683	-0.05303	0.25272	0.13266795	0.00408	0.281628	5.81E-10
0.10665	0.102377	0.02695	0.048018	0.30044	0.38313544	8.90E-18	0.697754	2.25E-69
0.11015	0.183678	6.53E-05	0.078763	0.0891	0.3868024	4.08E-18	0.612211	2.26E-49

0.39526	0.166256	0.00031	0.271784	2.37E-09	-0.1630889	0.0004	-0.3801	1.69E-17
0.76875	-0.08714	0.05989	-0.06756	0.14491	0.08672459	0.06112	0.315775	2.84E-12
0.02334	-0.10744	0.02022	-0.00939	0.83964	0.15952882	0.00054	0.287729	2.36E-10
0.35157	0.268244	3.87E-09	0.064856	0.16173	0.34999349	6.65E-15	0.540378	9.22E-37
0.01553	0.110212	0.01719	-0.0087	0.85121	0.3881433	3.06E-18	0.656324	7.17E-59
0.00384	-0.044	0.34275	-0.02694	0.56138	0.26664132	4.83E-09	0.521929	5.45E-34
0.17714	0.247944	5.67E-08	0.313485	4.15E-12	-0.0338684	0.4653	-0.182	7.63E-05
0.19057	0.094702	0.04079	0.049732	0.2835	0.21100334	4.24E-06	0.358246	1.38E-15
0.52111	0.100949	0.02917	0.14997	0.00115	0.17982195	9.33E-05	0.324052	7.04E-13
0.3332	0.05923	0.20137	-0.016	0.73018	0.24454615	8.70E-08	0.514953	5.51E-33
0.57181	0.280683	6.66E-10	0.100598	0.02973	0.37845666	2.37E-17	0.665154	5.73E-61
0.56425	0.172505	0.00018	0.092254	0.04631	0.3065637	1.28E-11	0.605193	5.36E-48
0.0713	0.087839	0.05785	0.156352	0.0007	0.33935655	4.74E-14	0.417937	3.62E-21
0.14174	-0.00246	0.95771	0.060898	0.18894	-0.0036335	0.93758	-0.23722	2.14E-07
0.52965	-0.04624	0.31867	8.91E-05	0.99847	0.18515079	5.69E-05	0.354842	2.65E-15
0.02762	0.032386	0.48507	0.003952	0.93212	0.24788012	5.72E-08	0.393311	9.98E-19
0.94075	0.028559	0.53813	-0.09038	0.05096	0.18054989	8.73E-05	0.479908	2.83E-28
0.72799	-0.13349	0.00385	0.047279	0.30795	0.35214171	4.43E-15	0.525023	1.92E-34
0.51787	0.177551	0.00011	0.034097	0.4623	0.0612626	0.1863	0.234581	2.94E-07
0.17717	0.208468	5.55E-06	0.105564	0.02252	-0.1102743	0.01713	-0.25306	2.95E-08
0.00034	0.02607	0.57414	0.000461	0.99207	0.19553661	2.09E-05	0.427876	3.27E-22
0.16149	0.06926	0.13505	1.88E-05	0.99968	0.38510305	5.87E-18	0.640457	2.83E-55
0.84452	0.143976	0.00181	0.242299	1.15E-07	0.44168385	1.01E-23	0.65253	5.43E-58
0.14887	-0.30481	1.70E-11	-0.10577	0.02225	0.0606455	0.19079	0.24424	9.04E-08
0.15991	0.095899	0.0383	0.148557	0.00128	0.43741406	3.02E-23	0.644206	4.18E-56
0.73394	-0.01295	0.78008	-0.00603	0.89664	0.22001602	1.58E-06	0.333436	1.37E-13
1.13E-16	-0.14888	0.00125	-0.09114	0.04903	0.14737564	0.0014	0.312313	5.04E-12
0.73701	-0.10052	0.02986	-0.27576	1.35E-09	0.09488053	0.04041	0.253613	2.74E-08
0.02402	-0.02857	0.53801	0.155767	0.00073	0.36383884	4.60E-16	0.53571	4.81E-36
0.88756	-0.3425	2.67E-14	-0.25982	1.21E-08	0.17678782	0.00012	0.369165	1.59E-16
2.46E-05	0.065047	0.1605	-0.06117	0.18697	0.22753921	6.72E-07	0.434022	7.11E-23
0.69738	0.020683	0.65574	0.127388	0.00584	0.56887145	2.14E-41	0.690789	1.75E-67
0.00781	-0.18336	6.73E-05	-0.18324	6.81E-05	0.20343418	9.38E-06	0.284781	3.66E-10
0.69953	0.05957	0.19879	0.088347	0.05642	0.38260621	9.96E-18	0.642305	1.11E-55
7.38E-05	0.178912	0.0001	0.168894	0.00025	0.04397901	0.34297	-0.13436	0.00363
0.59143	0.119974	0.00946	-0.02764	0.55126	0.29155441	1.33E-10	0.528783	5.33E-35
4.19E-07	0.10633	0.02155	0.056497	0.22299	0.22413134	9.93E-07	0.384027	7.37E-18
0.30321	0.231326	4.32E-07	0.234225	3.06E-07	0.42948287	2.20E-22	0.623749	1.04E-51
0.2091	-0.11938	0.00982	0.226266	7.78E-07	0.41506883	7.13E-21	0.477499	5.71E-28
0.82647	0.102899	0.02617	0.19871	1.52E-05	0.19151656	3.10E-05	-0.13262	0.00409
0.99863	-0.05287	0.25418	0.095188	0.03976	-0.2151761	2.70E-06	-0.52632	1.24E-34
0.07624	0.192283	2.87E-05	0.349705	7.02E-15	0.30639569	1.32E-11	-0.00789	0.86498
0.12854	0.21152	4.01E-06	0.32428	6.77E-13	-0.0511095	0.27035	-0.36222	6.33E-16
0.14526	0.063952	0.16767	-0.04253	0.35908	0.19067294	3.36E-05	0.426227	4.90E-22
0.0816	-0.10142	0.02841	-0.14671	0.00148	0.10985841	0.01755	0.205991	7.20E-06

0.01172	0.102304	0.02706	-0.01371	0.76765	0.16524747	0.00034	0.392223	1.27E-18
0.05748	0.014922	0.74774	-0.08401	0.0697	0.27815823	9.59E-10	0.552072	1.31E-38
0.66077	0.302078	2.61E-11	0.033456	0.47075	0.21356696	3.21E-06	0.515845	4.11E-33
0.01508	-0.13806	0.00279	-0.14321	0.00192	0.33166258	1.88E-13	0.423104	1.05E-21
0.73436	0.170188	0.00022	0.121417	0.00863	0.43125544	1.42E-22	0.71532	2.17E-74
0.14489	0.244161	9.13E-08	-0.08687	0.0607	0.15936029	0.00055	0.487205	3.28E-29
0.04908	-0.13813	0.00278	-0.00242	0.95835	0.2547296	2.37E-08	0.426099	5.06E-22
0.47086	-0.06138	0.18547	-0.04299	0.354	0.43910684	1.96E-23	0.6301	4.86E-53
0.42509	0.081807	0.07738	0.005298	0.9091	0.32937317	2.80E-13	0.619479	7.80E-51
0.10905	-0.04748	0.30587	0.049976	0.28114	0.00751163	0.87139	-0.27251	2.14E-09
0.42414	0.095636	0.03884	-0.03268	0.48106	0.37433829	5.56E-17	0.70463	2.71E-71
0.79267	0.123802	0.00739	0.192257	2.88E-05	0.38520085	5.75E-18	0.60783	1.65E-48
0.14174	0.168683	0.00025	-0.03982	0.39064	0.38804388	3.13E-18	0.689355	4.22E-67
0.91639	0.210073	4.68E-06	0.404577	8.08E-20	-0.031624	0.4954	-0.2392	1.68E-07
0.80084	-0.13781	0.00284	0.03948	0.39465	0.45054561	1.00E-24	0.697112	3.38E-69
0.0991	0.225074	8.92E-07	0.085881	0.06369	0.35426793	2.96E-15	0.64918	3.17E-57
0.01785	0.043665	0.34643	-0.07306	0.11488	0.11580187	0.01227	0.161294	0.00047
0.89807	0.003122	0.94635	-0.15858	0.00058	0.17917594	9.89E-05	0.350035	6.60E-15
0.00058	-0.01855	0.6892	-0.09461	0.041	0.11637683	0.01184	0.33459	1.12E-13
2.89E-06	-0.08908	0.0544	-0.16395	0.00037	0.0587182	0.2053	0.252866	3.02E-08
0.74133	-0.2002	1.31E-05	-0.11433	0.01343	0.20626952	6.99E-06	0.312437	4.94E-12
0.93721	-0.16104	0.00048	-0.05735	0.21609	0.17364961	0.00016	0.262793	8.14E-09
0.35388	-0.13402	0.00371	-0.17265	0.00018	0.05970483	0.19777	0.224026	1.01E-06
0.00038	0.167929	0.00027	0.053716	0.24664	0.29450583	8.48E-11	0.529629	3.98E-35
0.1462	0.077878	0.09276	-0.00434	0.92556	0.27350045	1.86E-09	0.613743	1.12E-49
4.73E-06	-0.09045	0.05076	-0.1355	0.00335	0.23826524	1.88E-07	0.408357	3.40E-20
1.45E-05	-0.07269	0.11669	-0.04881	0.29255	-0.1783259	0.00011	-0.33287	1.52E-13
0.15749	0.171173	0.0002	0.064551	0.16372	0.32919841	2.89E-13	0.527791	7.48E-35
2.04E-08	0.078273	0.09111	0.295988	6.75E-11	0.25688809	1.79E-08	0.016747	0.71813
0.00085	0.245268	7.95E-08	0.177564	0.00011	0.23693994	2.21E-07	0.442673	7.86E-24
0.00737	-0.15913	0.00056	-0.12307	0.00775	0.10840288	0.01912	0.340876	3.60E-14
0.00385	0.177998	0.00011	0.013343	0.77367	0.15051219	0.0011	0.350465	6.09E-15
0.25213	-0.00604	0.89638	-0.04511	0.33065	0.27395683	1.74E-09	0.576587	9.94E-43
0.3588	-0.15725	0.00065	-0.06406	0.16698	0.06359329	0.17007	0.324815	6.18E-13
0.29358	0.348945	8.10E-15	0.004523	0.92235	0.22248024	1.20E-06	0.491266	9.65E-30
0.00649	-0.01477	0.75025	-0.09769	0.03482	-0.210262	4.58E-06	-0.46069	6.50E-26
0.63057	0.086311	0.06237	0.014847	0.74897	0.27420889	1.68E-09	0.463961	2.64E-26
0.48405	0.213251	3.33E-06	0.048725	0.29337	0.30922828	8.33E-12	0.621503	3.01E-51
0.69149	0.079284	0.087	0.1215	0.00858	0.40796316	3.73E-20	0.674478	2.92E-63
0.15374	0.16987	0.00023	0.268522	3.73E-09	0.50861146	4.31E-32	0.635018	4.32E-54
0.16734	-0.14793	0.00135	-0.0961	0.0379	0.18081938	8.51E-05	0.349477	7.33E-15
0.44381	-0.01082	0.81569	-0.00575	0.90137	0.38719398	3.75E-18	0.650846	1.32E-57
0.16939	0.086226	0.06263	0.102079	0.0274	0.29543402	7.36E-11	0.494902	3.18E-30
0.55419	-0.22344	1.07E-06	-0.17435	0.00015	0.12934974	0.00512	0.256865	1.79E-08
0.2576	-0.08356	0.07121	0.020875	0.65275	0.34738521	1.08E-14	0.493837	4.41E-30

0.00058	0.046535	0.31563	-0.06915	0.13565	0.26834868	3.82E-09	0.479379	3.30E-28
0.14502	0.094146	0.04199	0.302663	2.38E-11	0.15467845	0.0008	-0.1543	0.00082
0.0014	0.135136	0.00343	-0.02792	0.54732	0.19303568	2.67E-05	0.449982	1.16E-24
0.29007	0.246086	7.17E-08	0.102448	0.02684	-0.0878797	0.05774	-0.33241	1.64E-13
0.02364	-0.00557	0.90452	0.000107	0.99816	0.19505864	2.19E-05	0.452355	6.19E-25
0.68319	0.016086	0.72881	0.047528	0.3054	0.22804069	6.34E-07	0.470149	4.67E-27
0.41172	0.288326	2.16E-10	0.26646	4.95E-09	0.42516537	6.35E-22	0.548657	4.61E-38
0.86555	0.200559	1.26E-05	0.00931	0.84096	0.29389149	9.32E-11	0.485057	6.22E-29
5.17E-11	-0.15169	0.00101	-0.00233	0.95992	0.17955733	9.56E-05	0.278863	8.67E-10
0.91945	0.030001	0.5178	0.01192	0.79725	0.42281187	1.12E-21	0.662395	2.64E-60
0.00076	0.181096	8.30E-05	0.178918	0.0001	0.39932443	2.64E-19	0.657313	4.21E-59
0.56218	0.015707	0.73495	-0.13976	0.00247	0.14852112	0.00129	0.301364	2.92E-11
0.05662	0.035535	0.44361	-0.04313	0.35234	0.24247472	1.13E-07	0.550473	2.36E-38
0.62328	0.079638	0.08559	-0.0424	0.36055	0.16088764	0.00048	0.421263	1.63E-21
0.77823	0.067088	0.14775	0.095614	0.03888	0.27354017	1.85E-09	0.473174	1.98E-27
8.04E-06	-0.05173	0.26461	0.029452	0.5255	0.27209176	2.27E-09	0.49135	9.40E-30
0.13642	-0.06349	0.17078	0.126837	0.00606	0.37943589	1.94E-17	0.616925	2.57E-50
0.3002	0.293834	9.40E-11	0.324324	6.72E-13	0.07325445	0.1139	-0.18386	6.42E-05
0.30182	0.065935	0.15485	0.213895	3.10E-06	0.23224958	3.87E-07	-0.04941	0.28661
0.00211	0.201521	1.14E-05	0.15477	0.00079	0.41193626	1.49E-20	0.646272	1.44E-56
0.13271	0.370258	1.28E-16	0.277693	1.03E-09	0.15484574	0.00079	0.357749	1.51E-15
0.40792	0.270747	2.74E-09	0.452519	5.93E-25	0.28148212	5.93E-10	-0.05631	0.22454
0.11701	0.201262	1.17E-05	0.072947	0.11543	0.29246307	1.16E-10	0.490494	1.22E-29
0.08547	0.344821	1.75E-14	0.147443	0.0014	0.36088301	8.23E-16	0.624095	8.79E-52
0.0011	0.132403	0.00415	0.403783	9.68E-20	0.10213029	0.02732	-0.19086	3.30E-05
5.78E-05	0.051921	0.26282	-0.04413	0.34131	0.08779444	0.05798	0.327604	3.81E-13
0.27633	-0.10614	0.02179	-0.12012	0.00937	0.13950844	0.00252	0.360795	8.37E-16
0.00498	0.003994	0.93141	0.017724	0.70245	0.32596301	5.07E-13	0.49637	2.03E-30
0.00145	-0.0466	0.31498	-0.09729	0.03557	0.295921	6.82E-11	0.61419	9.11E-50
0.47669	0.216203	2.41E-06	0.103427	0.02541	-0.1711632	0.0002	-0.43263	1.01E-22
0.00574	-0.01588	0.73215	0.073975	0.11038	-0.0440116	0.34262	-0.3158	2.83E-12
0.34604	-0.14239	0.00204	-0.12176	0.00844	0.08506951	0.06624	0.331006	2.11E-13
0.02596	0.223541	1.06E-06	-0.03263	0.48181	0.18359994	6.58E-05	0.398386	3.26E-19
0.16479	0.195558	2.08E-05	0.009129	0.84402	0.26460116	6.38E-09	0.548012	5.84E-38
0.10791	-0.00151	0.97398	0.019928	0.66753	0.33405298	1.23E-13	0.483811	8.99E-29
0.07251	0.089104	0.05433	-0.05321	0.25115	0.25037602	4.16E-08	0.577022	8.34E-43
0.00262	0.127354	0.00585	0.095621	0.03887	0.40858166	3.23E-20	0.632282	1.67E-53
0.39598	0.170753	0.00021	0.014966	0.74702	0.39329559	1.00E-18	0.667149	1.88E-61
0.427	-0.14727	0.00142	-0.20344	9.38E-06	0.19491489	2.22E-05	0.461379	5.39E-26
0.23478	0.320469	1.30E-12	0.169639	0.00023	-0.1207901	0.00898	-0.41087	1.91E-20
0.14417	0.271451	2.48E-09	0.058421	0.2076	0.25013529	4.29E-08	0.566563	5.29E-41
3.42E-08	0.231026	4.47E-07	0.103004	0.02602	-0.2446444	8.59E-08	-0.47817	4.70E-28
0.04276	0.128261	0.00551	0.180349	8.89E-05	0.06808826	0.14179	-0.09847	0.03338
0.71518	0.200854	1.22E-05	0.063044	0.1738	0.24697713	6.41E-08	0.526428	1.19E-34
0.03031	0.016861	0.71629	0.243654	9.72E-08	0.10037044	0.03011	-0.13873	0.00266

0.07178	-0.06009	0.19491	-0.02005	0.66563	0.33057885	2.27E-13	0.493093	5.54E-30
0.37469	-0.05257	0.25684	-0.06836	0.14022	0.18457651	6.01E-05	0.389297	2.39E-18
0.03306	0.108221	0.01932	0.154043	0.00084	-0.0652672	0.15908	-0.29214	1.22E-10
0.57581	-0.01313	0.77718	-0.01308	0.77798	0.30318674	2.19E-11	0.576806	9.10E-43
0.64343	0.379138	2.06E-17	0.21346	3.25E-06	0.42398777	8.45E-22	0.692102	7.77E-68
0.58633	0.041143	0.37503	-0.0352	0.44793	-0.235063	2.77E-07	-0.51213	1.39E-32
0.07318	0.045761	0.32375	-0.16298	0.00041	0.18123891	8.19E-05	0.34607	1.39E-14
6.90E-05	-0.01588	0.73216	0.044535	0.3369	0.29911247	4.16E-11	0.533407	1.08E-35
0.00465	0.03525	0.44729	-0.10046	0.02995	0.35650672	1.92E-15	0.508941	3.88E-32
2.32E-10	-0.11196	0.01549	-0.0995	0.03157	0.20932803	5.06E-06	0.442578	8.05E-24
0.80564	-0.17786	0.00011	-0.1791	9.97E-05	0.1707671	0.00021	0.466241	1.40E-26
0.69582	0.083742	0.0706	0.144515	0.00174	0.45029888	1.07E-24	0.682575	2.53E-65
0.65159	-0.19092	3.28E-05	-0.13567	0.00331	0.12173749	0.00845	0.383739	7.84E-18
0.18403	-0.22662	7.47E-07	-0.0507	0.27424	-0.2224271	1.21E-06	-0.49384	4.40E-30
0.00244	0.008009	0.86295	0.041988	0.36528	0.29212595	1.22E-10	0.460904	6.14E-26
0.00256	-0.0228	0.62307	0.040449	0.38314	0.44696284	2.58E-24	0.593771	7.87E-46
0.26423	-0.01271	0.7841	0.069485	0.13378	-0.0333737	0.47185	-0.3702	1.29E-16
0.11403	0.182246	7.46E-05	0.224742	9.27E-07	0.44547478	3.80E-24	0.629069	8.02E-53
0.4049	0.006839	0.88281	-0.01496	0.74711	0.17214844	0.00019	0.362654	5.81E-16
0.00352	0.133722	0.00379	0.011114	0.81069	0.11221255	0.01526	0.237405	2.09E-07
0.00102	0.035363	0.44582	0.021064	0.64981	0.23755116	2.05E-07	0.422211	1.30E-21
0.00181	0.047884	0.30179	-0.00021	0.99646	0.17549894	0.00014	0.37869	2.26E-17
0.01075	-8.70E-05	0.9985	-0.15793	0.00061	0.205505	7.57E-06	0.504157	1.78E-31
0.08175	0.011091	0.81107	-0.02357	0.61147	0.07804543	0.09206	0.222385	1.21E-06
0.44613	0.288136	2.22E-10	0.207	6.47E-06	-0.1718941	0.00019	-0.45609	2.27E-25
0.00134	0.159939	0.00052	0.05238	0.25861	0.26853228	3.72E-09	0.564837	1.03E-40
0.00298	0.133502	0.00385	0.087057	0.06013	0.36116837	7.78E-16	0.607983	1.54E-48
0.05312	0.048361	0.29699	-0.00167	0.97128	0.09479549	0.04059	0.405789	6.13E-20
0.01335	0.039927	0.38932	-0.01379	0.76628	0.17393361	0.00016	0.437774	2.76E-23
0.00472	-0.12375	0.00742	-0.15976	0.00053	0.43174529	1.26E-22	0.682431	2.76E-65
0.00601	0.025443	0.58339	0.033359	0.47203	0.35256551	4.09E-15	0.536485	3.66E-36
0.02269	0.185922	5.29E-05	-0.11137	0.01605	-0.0216906	0.64012	0.272611	2.11E-09
0.62041	-0.05298	0.25315	-0.03904	0.39992	0.19836362	1.57E-05	0.354961	2.59E-15
4.18E-06	0.027477	0.55365	0.051368	0.26794	0.18026984	8.95E-05	0.346077	1.38E-14
6.74E-05	0.064894	0.16149	0.096693	0.03672	0.23113314	4.42E-07	0.375443	4.43E-17
6.94E-05	0.182099	7.56E-05	0.045695	0.32445	0.2303262	4.86E-07	0.389456	2.31E-18
0.67198	0.365425	3.36E-16	0.178708	0.0001	0.3640032	4.45E-16	0.625073	5.51E-52
0.15738	0.008369	0.85686	-0.01262	0.78558	-0.1065778	0.02125	-0.36172	6.98E-16
0.92303	0.236761	2.26E-07	0.327414	3.94E-13	0.04382282	0.34469	-0.2551	2.26E-08
0.17359	0.34572	1.48E-14	0.004758	0.91832	0.24815195	5.53E-08	0.542246	4.72E-37
0.93182	0.105895	0.0221	-0.17993	9.23E-05	0.09226343	0.04629	0.339974	4.24E-14
0.1622	0.261558	9.62E-09	0.010966	0.81316	0.23336633	3.39E-07	0.535929	4.45E-36
0.00265	0.181071	8.32E-05	0.215528	2.60E-06	-0.2402896	1.47E-07	-0.51678	3.03E-33
0.17128	-0.20702	6.46E-06	-0.04818	0.29885	0.21417065	3.01E-06	0.432154	1.13E-22
0.90874	0.100849	0.02933	0.109111	0.01834	0.20307422	9.74E-06	0.406598	5.10E-20

0.00201	-0.0694	0.13423	-0.13409	0.0037	0.09886562	0.03268	0.351448	5.06E-15
0.18097	0.261522	9.66E-09	0.210089	4.67E-06	0.34911076	7.85E-15	0.561781	3.36E-40
0.00022	-0.06639	0.15203	-0.19667	1.86E-05	-0.10785	0.01974	0.156063	0.00071
0.60262	0.115901	0.0122	0.128911	0.00527	0.48840513	2.29E-29	0.633011	1.17E-53
0.74694	0.185336	5.59E-05	0.20186	1.10E-05	0.3873954	3.59E-18	0.623895	9.67E-52
0.12615	0.065779	0.15584	0.009577	0.83646	0.43989716	1.60E-23	0.674099	3.63E-63
0.0041	0.085626	0.06448	0.049663	0.28416	0.44506025	4.23E-24	0.699954	5.55E-70
0.02085	0.200442	1.27E-05	0.17951	9.60E-05	0.4959066	2.34E-30	0.724285	4.23E-77
0.00718	0.260237	1.15E-08	0.218956	1.78E-06	-0.3000271	3.61E-11	-0.51538	4.79E-33
0.03261	0.004494	0.92284	0.099828	0.03101	0.05271683	0.25556	-0.17925	9.83E-05
0.00113	-0.07255	0.1174	0.029666	0.52249	0.29776243	5.13E-11	0.428097	3.10E-22
3.36E-17	0.035063	0.4497	-0.00957	0.83658	0.21430837	2.96E-06	0.352068	4.50E-15
0.93949	-0.19152	3.10E-05	0.054249	0.24198	0.00384193	0.93401	-0.30037	3.42E-11
0.21409	0.043065	0.35311	0.046639	0.31455	0.09515019	0.03984	0.344532	1.84E-14
0.47247	-0.10088	0.02928	0.024	0.60493	0.15625894	0.0007	0.309856	7.52E-12
0.14996	0.110057	0.01735	0.059787	0.19715	0.47357686	1.76E-27	0.738566	1.20E-81
0.894	0.092881	0.04484	0.047102	0.30976	0.34793973	9.78E-15	0.529391	4.32E-35
0.36973	0.009266	0.84171	-0.1549	0.00078	0.17225582	0.00018	0.483396	1.02E-28
0.20772	0.367596	2.18E-16	0.170722	0.00021	0.34908937	7.88E-15	0.670946	2.21E-62
0.81071	0.226508	7.57E-07	-0.02502	0.58964	0.07865314	0.08955	0.309899	7.47E-12
0.29505	0.394962	6.95E-19	0.221169	1.39E-06	0.47419332	1.48E-27	0.718327	2.75E-75
0.13603	0.275507	1.40E-09	0.122231	0.00819	0.39129185	1.55E-18	0.693352	3.58E-68
0.12947	-0.12978	0.00497	-0.11984	0.00954	0.09668383	0.03674	0.339207	4.87E-14
0.77099	0.336598	7.80E-14	0.217325	2.13E-06	0.46680295	1.20E-26	0.676581	8.63E-64
0.2661	-0.32238	9.37E-13	-0.13614	0.0032	0.21828941	1.92E-06	0.372612	7.91E-17
0.76316	0.065957	0.15472	-0.00476	0.91823	0.13704197	0.003	0.349116	7.84E-15
0.97245	-0.24799	5.64E-08	-0.25076	3.96E-08	0.07196085	0.12044	0.316409	2.56E-12
0.44851	-0.01294	0.78029	0.063103	0.1734	0.30125779	2.97E-11	0.58545	2.64E-44
0.00218	-0.2016	1.13E-05	-0.06306	0.17372	0.17798151	0.00011	0.314563	3.48E-12
0.54323	0.044553	0.33671	0.083134	0.07268	0.31642688	2.55E-12	0.558066	1.38E-39
0.01113	0.095058	0.04004	0.177385	0.00012	0.3016095	2.81E-11	0.526366	1.22E-34
0.04199	-0.07344	0.11298	-0.08357	0.07117	0.28632302	2.91E-10	0.491225	9.77E-30
0.00172	-0.14076	0.0023	-0.04416	0.341	0.2107656	4.34E-06	0.33343	1.37E-13
0.02433	0.104162	0.02438	0.077439	0.09463	0.19831727	1.58E-05	0.377998	2.61E-17
0.49209	-0.20334	9.48E-06	-0.16746	0.00028	0.04800109	0.30061	0.242581	1.11E-07
0.27367	0.236525	2.33E-07	0.40172	1.54E-19	0.12139688	0.00864	-0.09953	0.03152
0.03355	-0.03716	0.423	-0.08943	0.05345	0.36350108	4.92E-16	0.579615	2.91E-43
0.3605	-0.01138	0.80629	-0.01594	0.73113	-0.0070511	0.87921	-0.27757	1.04E-09
0.01482	-0.04377	0.34525	-0.1831	6.89E-05	0.04958474	0.28492	0.306779	1.24E-11
0.79045	-0.11244	0.01505	-0.03588	0.43916	0.00113745	0.98044	-0.28892	1.98E-10
0.97465	0.129714	0.00499	0.151331	0.00104	0.50200225	3.51E-31	0.766347	2.09E-91
0.95323	0.004675	0.91975	-0.02314	0.61794	0.34085825	3.61E-14	0.641064	2.08E-55
3.08E-05	-0.10696	0.02079	-0.01688	0.71597	0.22984891	5.14E-07	0.35604	2.11E-15
4.76E-08	-0.27847	9.17E-10	-0.25348	2.79E-08	0.0801717	0.08351	0.307259	1.15E-11
6.49E-09	0.120088	0.00939	0.061225	0.18658	0.2264475	7.62E-07	0.325752	5.26E-13

0.28665	0.210136	4.65E-06	0.051672	0.26511	0.34177339	3.06E-14	0.616353	3.35E-50
0.66108	0.424367	7.71E-22	0.166535	0.0003	0.29884054	4.34E-11	0.57214	5.90E-42
0.50403	0.019126	0.68016	0.177741	0.00011	-0.2700645	3.01E-09	-0.51684	2.96E-33
0.17977	0.273835	1.78E-09	0.164133	0.00037	0.26667286	4.81E-09	0.446071	3.25E-24
0.03756	0.296251	6.49E-11	0.379987	1.73E-17	0.51518213	5.11E-33	0.647763	6.65E-57
0.09486	0.050872	0.27259	0.23704	2.19E-07	-0.2517098	3.51E-08	-0.48414	8.17E-29
0.07983	0.018689	0.68707	0.079816	0.08489	0.43478556	5.87E-23	0.64398	4.69E-56
0.00101	0.15242	0.00095	0.264571	6.40E-09	0.15471199	0.00079	-0.1048	0.02352
0.30484	-0.16601	0.00031	-0.202	1.09E-05	0.08828034	0.0566	0.279078	8.40E-10
0.32071	0.001709	0.97062	0.154612	0.0008	0.32650684	4.61E-13	0.437742	2.78E-23
0.30715	0.364874	3.75E-16	0.375947	3.99E-17	-0.0925952	0.04551	-0.36363	4.80E-16
0.57083	0.101247	0.02869	0.049942	0.28147	0.34352377	2.22E-14	0.652125	6.73E-58
0.95604	0.162069	0.00044	0.062518	0.17742	0.40070214	1.94E-19	0.607529	1.88E-48
0.93979	0.247223	6.22E-08	0.133698	0.0038	0.39168048	1.42E-18	0.654463	1.94E-58
0.47962	0.122569	0.00801	0.130222	0.00482	0.40092367	1.85E-19	0.599137	7.74E-47
0.79543	-0.04879	0.29274	0.034334	0.45919	0.20729576	6.28E-06	0.408539	3.26E-20
0.27864	0.3532	3.63E-15	0.154267	0.00082	0.36918546	1.58E-16	0.557624	1.64E-39
0.1501	-0.02379	0.60802	-0.18094	8.42E-05	0.13738517	0.00293	0.457532	1.54E-25
0.0551	0.017666	0.70337	-0.13542	0.00337	0.09266324	0.04535	0.333469	1.36E-13
0.9833	0.134487	0.00359	0.108937	0.01853	0.29480043	8.11E-11	0.581565	1.31E-43
0.44731	0.208384	5.60E-06	0.200706	1.24E-05	0.37212304	8.74E-17	0.622747	1.67E-51
0.66206	0.246432	6.87E-08	0.097355	0.03545	0.33334987	1.39E-13	0.537035	3.02E-36
0.52796	0.128425	0.00545	0.051578	0.26598	0.29304252	1.06E-10	0.578948	3.82E-43
0.00014	0.143393	0.00189	0.016392	0.72385	0.27925647	8.19E-10	0.511372	1.77E-32
0.78024	0.086044	0.06318	0.013901	0.76447	0.280632	6.71E-10	0.558664	1.10E-39
0.09493	0.152474	0.00095	0.259167	1.32E-08	-0.1323907	0.00416	-0.45369	4.34E-25
0.00063	-0.0227	0.62468	-0.01962	0.67232	0.36956351	1.47E-16	0.571211	8.52E-42
0.22593	-0.10029	0.03024	-0.07639	0.09918	0.47127083	3.40E-27	0.72254	1.45E-76
0.12975	0.269824	3.11E-09	0.146263	0.00153	0.39520858	6.58E-19	0.696116	6.34E-69
0.10722	0.238065	1.93E-07	0.074747	0.1067	0.43250976	1.04E-22	0.727321	4.83E-78
0.20643	0.143954	0.00182	0.005072	0.91296	0.23177841	4.10E-07	0.501186	4.54E-31
0.73056	0.070079	0.13047	0.062922	0.17464	0.21511881	2.71E-06	0.502618	2.90E-31
5.22E-06	0.013729	0.7673	0.110037	0.01737	0.41588633	5.88E-21	0.609806	6.74E-49
0.15124	0.008927	0.84742	0.027875	0.54791	-0.2543606	2.49E-08	-0.53127	2.26E-35
0.1673	0.055963	0.2274	0.078395	0.09061	0.32641152	4.69E-13	0.545806	1.31E-37
0.01087	-0.05069	0.27428	0.025283	0.58575	0.13809433	0.00278	0.26492	6.11E-09
6.11E-05	0.099975	0.03076	0.208542	5.50E-06	-0.2064444	6.86E-06	-0.38186	1.16E-17
0.68458	0.083713	0.0707	0.140164	0.0024	0.3828978	9.36E-18	0.585885	2.20E-44
0.07088	0.224259	9.79E-07	0.156396	0.00069	0.37933958	1.98E-17	0.642181	1.18E-55
0.05716	-0.14373	0.00185	-0.18969	3.69E-05	0.32201201	9.97E-13	0.494256	3.88E-30
0.0079	0.058134	0.20985	0.178123	0.00011	0.39141211	1.51E-18	0.508224	4.88E-32
0.00018	-0.21182	3.88E-06	-0.21709	2.19E-06	0.28015385	7.19E-10	0.561958	3.14E-40
0.7582	0.120006	0.00944	0.145658	0.0016	0.44569691	3.58E-24	0.707072	5.47E-72
3.11E-10	-0.09064	0.05028	0.001612	0.97228	0.23604855	2.46E-07	0.411135	1.79E-20
0.42363	0.057474	0.21508	0.110943	0.01646	0.25708109	1.74E-08	0.431927	1.20E-22

0.00141	-0.146	0.00156	0.092814	0.045	0.19629584	1.94E-05	0.371739	9.45E-17
0.31529	0.038913	0.40149	0.155339	0.00076	0.38959227	2.24E-18	0.604176	8.43E-48
0.81729	0.202224	1.06E-05	0.189721	3.68E-05	0.42672036	4.34E-22	0.619627	7.28E-51
0.11771	0.160797	0.00049	0.210519	4.46E-06	0.49242216	6.79E-30	0.701607	1.92E-70
0.23275	0.279526	7.88E-10	0.087248	0.05957	0.28019715	7.15E-10	0.512326	1.30E-32
0.85956	-0.10871	0.01877	0.155438	0.00075	0.4966264	1.87E-30	0.669256	5.75E-62
0.45036	-0.12428	0.00717	0.04526	0.32908	0.3316371	1.88E-13	0.511182	1.88E-32
0.0009	-0.11361	0.01403	0.098492	0.03335	-0.1956908	2.06E-05	-0.31562	2.92E-12
0.00058	0.229698	5.23E-07	0.20955	4.95E-06	0.35780538	1.50E-15	0.546644	9.63E-38
0.35564	-0.2905	1.56E-10	-0.13145	0.00444	0.12255832	0.00802	0.29509	7.75E-11
2.09E-12	-0.05602	0.22694	-0.02579	0.57826	0.2629024	8.03E-09	0.478413	4.38E-28
0.53259	0.16732	0.00028	0.037026	0.42471	0.31428805	3.64E-12	0.540104	1.02E-36
0.65886	-0.11416	0.01357	-0.14458	0.00173	0.03554688	0.44346	0.264617	6.36E-09
0.02867	-0.04306	0.3532	0.004808	0.91747	0.04013716	0.38682	0.157645	0.00063
0.25635	0.028617	0.53731	0.105213	0.02297	0.4800864	2.69E-28	0.707369	4.50E-72
0.16081	0.236559	2.32E-07	0.02774	0.54985	0.44050837	1.37E-23	0.663313	1.59E-60
0.20235	0.184369	6.12E-05	0.147977	0.00134	0.45456223	3.43E-25	0.651973	7.30E-58
0.18337	0.233104	3.50E-07	-0.11862	0.0103	0.13969524	0.00248	0.27151	2.46E-09
9.07E-06	0.044519	0.33707	0.116727	0.01159	0.26863587	3.67E-09	0.494202	3.95E-30
0.1248	-0.15119	0.00105	-0.04298	0.35411	0.24763472	5.90E-08	0.486979	3.51E-29
0.23346	-0.08911	0.05431	-0.10791	0.01967	0.02027471	0.6621	0.21114	4.17E-06
0.00748	0.064991	0.16086	0.054326	0.24131	0.21803101	1.97E-06	0.454506	3.48E-25
0.03342	0.211703	3.93E-06	0.092968	0.04464	0.01360187	0.7694	-0.16795	0.00027
0.74175	-0.11552	0.01249	-0.00425	0.9271	0.20457515	8.34E-06	0.365312	3.44E-16
0.01789	-0.21404	3.05E-06	-0.08009	0.08383	0.30721809	1.15E-11	0.538522	1.78E-36
2.77E-09	-0.00888	0.8483	-0.00232	0.96021	-0.1677369	0.00027	-0.2947	8.23E-11
0.89289	0.043428	0.34906	0.279616	7.78E-10	0.2953526	7.45E-11	0.045879	0.32251
0.00109	0.316316	2.60E-12	0.259491	1.27E-08	0.11915336	0.00996	-0.12511	0.00679
0.13567	-0.03224	0.48698	-0.1367	0.00307	0.11928738	0.00988	0.44415	5.36E-24
0.03597	-0.06271	0.17608	-0.11402	0.01369	-0.2490278	4.95E-08	-0.45504	3.01E-25
0.04525	0.123501	0.00754	0.065544	0.15732	0.2284181	6.07E-07	0.270812	2.71E-09
0.00852	-0.05425	0.242	-0.10384	0.02483	-0.2775596	1.05E-09	-0.49595	2.31E-30
0.37579	0.121296	0.00869	0.11594	0.01217	0.40781211	3.86E-20	0.666724	2.39E-61
0.31638	0.245327	7.89E-08	-0.15784	0.00062	-0.0173634	0.70822	0.296593	6.15E-11
0.98564	-0.06097	0.18845	0.03391	0.46474	0.42100274	1.74E-21	0.634372	5.96E-54
0.87984	0.032208	0.48747	-0.07782	0.09302	0.23702805	2.19E-07	0.523838	2.87E-34
0.01399	0.009263	0.84176	0.123916	0.00734	0.45090577	9.11E-25	0.533332	1.11E-35
0.29407	-0.11771	0.01091	-0.12951	0.00506	0.12549547	0.00662	0.293168	1.04E-10
0.38271	0.24206	1.18E-07	0.061311	0.18596	0.26941756	3.29E-09	0.518909	1.49E-33
0.00969	0.11141	0.01601	0.103232	0.02569	0.01486691	0.74864	-0.26573	5.46E-09
0.4601	0.213349	3.29E-06	0.433353	8.40E-23	0.04501254	0.33174	-0.26422	6.71E-09
0.65605	0.062959	0.17438	-0.05867	0.20564	0.10904295	0.01842	0.249764	4.50E-08
0.42853	0.050193	0.27905	-0.28946	1.82E-10	-0.0409021	0.37783	0.169101	0.00024
0.55956	0.116172	0.012	0.096024	0.03805	0.35427036	2.96E-15	0.595466	3.80E-46
0.11221	0.044057	0.34211	0.056554	0.22253	0.30579546	1.45E-11	0.538867	1.58E-36



0.12263	-0.03571	0.44142	0.319546	1.51E-12	0.22290108	1.14E-06	-0.07086	0.12625
0.26863	-0.04242	0.36036	0.046354	0.31751	-0.2319479	4.01E-07	-0.41739	4.11E-21
0.93072	-0.08352	0.07136	-0.16364	0.00038	0.10513381	0.02308	0.338334	5.71E-14
1.36E-07	0.141092	0.00224	-0.04627	0.31838	-0.1700294	0.00022	-0.37915	2.05E-17
0.97	-0.1636	0.00039	-0.16367	0.00038	0.21187526	3.86E-06	0.461426	5.32E-26
0.50339	0.231635	4.17E-07	0.032954	0.47744	0.19011875	3.55E-05	0.519262	1.33E-33
0.00019	0.148452	0.00129	0.088686	0.05547	0.3340716	1.22E-13	0.447884	2.02E-24
0.98777	0.223991	1.01E-06	0.261964	9.11E-09	0.55166211	1.52E-38	0.729764	8.24E-79
0.35124	0.279036	8.45E-10	0.072092	0.11976	0.16677274	0.00029	0.39852	3.16E-19
0.35326	0.211732	3.92E-06	0.048094	0.29967	0.12307413	0.00775	0.313839	3.92E-12
0.36513	-0.05098	0.27155	-0.07372	0.11159	0.33057845	2.27E-13	0.499596	7.46E-31
5.58E-05	0.22455	9.47E-07	0.066874	0.14905	0.18933415	3.82E-05	0.411959	1.48E-20
0.07993	0.321351	1.12E-12	0.07307	0.11481	0.14939982	0.0012	0.379116	2.07E-17
0.04142	0.282089	5.43E-10	0.169889	0.00023	0.37756397	2.86E-17	0.589029	5.89E-45
0.44036	0.280895	6.46E-10	-0.02799	0.54629	0.21185638	3.86E-06	0.524297	2.46E-34
0.14707	0.279502	7.90E-10	0.169981	0.00022	0.33988333	4.31E-14	0.561735	3.42E-40
0.961	0.249138	4.88E-08	0.085806	0.06392	0.32329073	8.02E-13	0.534645	6.99E-36
0.0067	-0.15089	0.00107	-0.18821	4.26E-05	0.03046601	0.51133	0.195538	2.09E-05
0.07787	0.144982	0.00168	0.102271	0.02711	0.21704944	2.20E-06	0.427648	3.46E-22
0.15034	-0.00886	0.84852	0.103776	0.02492	0.36470712	3.88E-16	0.592502	1.35E-45
0.80223	-0.15853	0.00058	-0.01327	0.77494	0.37338816	6.75E-17	0.612463	2.01E-49
0.01831	0.2397	1.58E-07	0.134059	0.0037	0.34358819	2.19E-14	0.521238	6.87E-34
0.46358	0.221535	1.33E-06	0.165239	0.00034	0.40800643	3.69E-20	0.67753	4.96E-64
0.93399	-0.04652	0.31582	0.113783	0.01388	0.40634289	5.40E-20	0.617758	1.74E-50
0.07593	0.050645	0.27474	0.056977	0.21908	0.40517638	7.05E-20	0.666793	2.30E-61
0.64745	-0.26372	7.19E-09	0.013521	0.77072	0.36387725	4.57E-16	0.472697	2.27E-27
0.02993	0.225335	8.66E-07	0.09535	0.03943	0.44041468	1.40E-23	0.706591	7.51E-72
0.27601	0.156124	0.00071	0.110884	0.01652	0.290262	1.62E-10	0.571195	8.57E-42
0.35153	0.265008	6.03E-09	0.089916	0.05216	0.33895551	5.10E-14	0.638385	8.05E-55
0.25231	0.24438	8.88E-08	0.098629	0.0331	0.47118416	3.49E-27	0.721662	2.69E-76
0.08741	0.131268	0.00449	0.006119	0.89508	0.2232719	1.10E-06	0.377704	2.78E-17
0.03999	0.105159	0.02304	0.051339	0.26821	0.37211278	8.76E-17	0.621982	2.40E-51
0.01821	-0.25322	2.89E-08	-0.26033	1.13E-08	0.19738951	1.73E-05	0.446685	2.77E-24
0.03101	-0.03369	0.46761	0.011128	0.81045	0.33282225	1.53E-13	0.522886	3.95E-34
0.83528	0.077106	0.09606	0.016635	0.71993	0.29594216	6.80E-11	0.607373	2.02E-48
0.73641	0.066884	0.14899	-0.13565	0.00331	0.07053148	0.12801	0.382568	1.00E-17
0.09582	0.221142	1.39E-06	0.31666	2.46E-12	0.12732989	0.00586	-0.1331	0.00396
0.38363	-0.04946	0.28613	-0.02794	0.54704	0.37084572	1.13E-16	0.510208	2.58E-32
0.94999	0.048725	0.29337	0.1017	0.02798	0.41919022	2.68E-21	0.691122	1.42E-67
0.68568	0.03674	0.4283	0.085576	0.06464	0.3908078	1.72E-18	0.61323	1.42E-49
0.17338	0.218899	1.79E-06	0.058264	0.20883	0.46111158	5.80E-26	0.708972	1.56E-72
0.78824	0.046645	0.31448	0.065405	0.1582	0.42857427	2.75E-22	0.701519	2.04E-70
0.43008	0.124278	0.00717	0.161731	0.00045	0.27969901	7.68E-10	0.432811	9.62E-23
0.01477	-0.06589	0.15512	-0.13463	0.00356	0.13783223	0.00284	0.323764	7.40E-13
0.93793	0.017512	0.70584	-0.03457	0.4561	0.48633982	4.24E-29	0.689006	5.22E-67

0.26642	0.296994	5.78E-11	0.22428	9.77E-07	0.48470945	6.89E-29	0.761373	1.46E-89
0.12972	0.204667	8.26E-06	0.162706	0.00042	0.41820925	3.39E-21	0.669422	5.24E-62
0.05561	0.019844	0.66885	0.118257	0.01054	0.45994463	7.98E-26	0.676756	7.79E-64
2.86E-06	-0.21697	2.22E-06	-0.21514	2.71E-06	0.23919778	1.68E-07	0.4094	2.68E-20
0.81931	0.411726	1.56E-20	0.24836	5.38E-08	0.38714436	3.79E-18	0.626711	2.51E-52
0.76732	-0.15572	0.00073	-0.00481	0.91738	0.21569821	2.55E-06	0.415612	6.27E-21
0.04834	0.362839	5.61E-16	0.11538	0.01259	0.29474241	8.18E-11	0.547438	7.21E-38
0.01795	0.031913	0.49147	-0.01409	0.7614	0.45796263	1.37E-25	0.646168	1.52E-56
0.25534	0.146029	0.00155	0.10205	0.02744	0.35253483	4.11E-15	0.50308	2.50E-31
0.01446	0.225241	8.75E-07	0.21022	4.61E-06	0.40337358	1.06E-19	0.681185	5.78E-65
7.15E-05	-0.09306	0.04444	-0.04897	0.29099	0.27241678	2.17E-09	0.540044	1.04E-36
0.00097	0.076681	0.09791	0.059346	0.20048	0.17270306	0.00018	0.330382	2.35E-13
0.75059	0.16823	0.00026	0.116305	0.0119	0.20404833	8.81E-06	0.429103	2.42E-22
0.13351	-0.20523	7.79E-06	-0.10288	0.0262	0.15077246	0.00108	0.257545	1.64E-08
0.03005	0.271299	2.53E-09	0.154231	0.00083	0.27992311	7.44E-10	0.436366	3.94E-23
0.81254	0.422119	1.33E-21	0.031994	0.49037	0.23183872	4.07E-07	0.319533	1.52E-12
0.54636	0.023234	0.6165	0.02548	0.58283	0.29340468	1.00E-10	0.471708	3.01E-27
0.28824	0.341018	3.51E-14	0.123875	0.00736	0.2783462	9.34E-10	0.424968	6.66E-22
0.50194	0.1903	3.48E-05	0.114147	0.01358	0.39493225	6.99E-19	0.674839	2.37E-63
0.0147	-0.08895	0.05475	-0.03364	0.46827	-0.1443336	0.00177	-0.27377	1.79E-09
0.37764	-0.05433	0.24125	0.009467	0.83833	-0.1471568	0.00143	-0.37052	1.21E-16
0.06303	0.052043	0.26169	0.121654	0.0085	0.36582129	3.11E-16	0.423644	9.19E-22
0.22711	0.090399	0.0509	0.094528	0.04117	0.174648	0.00015	0.371472	9.97E-17
0.75234	0.320018	1.40E-12	0.032829	0.47912	0.2475189	5.99E-08	0.50375	2.03E-31
0.35023	-0.00953	0.83732	-0.07841	0.09054	0.20552232	7.56E-06	0.412635	1.26E-20
0.8815	0.303319	2.15E-11	0.153273	0.00089	0.4247235	7.07E-22	0.718763	2.03E-75
0.35129	0.228653	5.90E-07	0.122295	0.00815	0.38417988	7.14E-18	0.649214	3.12E-57
0.00064	0.188959	3.96E-05	0.10851	0.019	0.41826567	3.34E-21	0.670483	2.87E-62
0.3831	-0.00802	0.86281	0.044472	0.33759	-0.2244959	9.53E-07	-0.43881	2.12E-23
0.12542	-0.00571	0.902	0.326116	4.94E-13	0.09135439	0.04849	-0.1105	0.0169
0.33439	-0.00997	0.82979	-0.042	0.3651	0.19280119	2.73E-05	0.448899	1.55E-24
0.27793	0.066067	0.15403	-0.03001	0.51769	0.25461202	2.41E-08	0.513581	8.63E-33
0.20472	0.105047	0.02319	-0.05639	0.22384	0.16566105	0.00032	0.42881	2.60E-22
0.61051	0.238649	1.80E-07	0.152189	0.00097	-0.1076968	0.01992	-0.37376	6.25E-17
5.62E-11	-0.13852	0.0027	-0.05633	0.22438	0.2652546	5.83E-09	0.415023	7.21E-21
0.40164	0.025568	0.58155	0.033319	0.47258	0.45798317	1.36E-25	0.576952	8.58E-43
0.77658	0.072991	0.1152	-0.08198	0.07675	0.18417492	6.24E-05	0.402752	1.22E-19
0.00319	-0.08776	0.05808	0.056677	0.22152	0.3687508	1.73E-16	0.561174	4.24E-40
4.84E-05	0.037149	0.42317	0.301577	2.83E-11	-0.1348793	0.0035	-0.32608	4.97E-13
0.0777	0.131674	0.00437	0.106547	0.02129	-0.0455673	0.32581	-0.29841	4.64E-11
0.77102	-0.07103	0.12533	-0.15753	0.00063	0.31695679	2.34E-12	0.548107	5.64E-38
0.0208	0.107627	0.02	0.068332	0.14036	0.31992544	1.42E-12	0.574455	2.34E-42
2.08E-10	-0.06389	0.16809	-0.14824	0.00132	0.14710115	0.00143	0.327409	3.95E-13
0.11857	0.252224	3.28E-08	0.250221	4.25E-08	0.52115907	7.06E-34	0.751968	3.42E-86
0.90246	-0.08782	0.05792	-0.06619	0.15326	0.3799577	1.74E-17	0.650179	1.88E-57

0.00931	0.444772	4.56E-24	0.180669	8.63E-05	0.47208879	2.70E-27	0.532905	1.28E-35
0.66957	0.051244	0.26909	0.028645	0.53692	0.21196073	3.82E-06	0.411491	1.65E-20
0.12545	0.166574	0.0003	0.029636	0.52291	0.45218377	6.48E-25	0.752738	1.84E-86
0.15682	-0.09342	0.04361	-0.01715	0.71163	0.25947518	1.27E-08	0.37578	4.13E-17
0.00268	-0.17805	0.00011	-0.15384	0.00085	0.06941853	0.13415	0.225526	8.47E-07
0.01641	-0.09917	0.03214	-0.04563	0.32518	0.03945783	0.39492	0.202535	1.03E-05
0.22671	-0.07742	0.09469	-0.22393	1.02E-06	0.155742	0.00073	0.293544	9.83E-11
0.57282	0.125196	0.00675	0.117659	0.01094	0.37600266	3.95E-17	0.582402	9.30E-44
0.22881	0.02679	0.56361	-0.04731	0.30759	0.34620203	1.35E-14	0.591394	2.17E-45
0.00255	0.109955	0.01745	0.148763	0.00126	0.24248535	1.12E-07	0.496603	1.89E-30
0.68419	0.033081	0.47574	0.011889	0.79776	0.22515738	8.84E-07	0.514966	5.49E-33
0.00014	0.206959	6.50E-06	0.05316	0.25157	0.24936509	4.74E-08	0.547435	7.22E-38
0.00491	-0.1642	0.00037	-0.1405	0.00234	0.17260613	0.00018	0.339611	4.53E-14
0.0594	-0.13944	0.00253	-0.1266	0.00615	0.15032647	0.00112	0.346232	1.34E-14
0.722	0.220956	1.42E-06	0.199398	1.42E-05	-0.109374	0.01806	-0.37671	3.41E-17
0.84745	0.126689	0.00612	0.063909	0.16796	0.33621763	8.35E-14	0.622928	1.53E-51
3.08E-09	0.028198	0.54328	-0.13267	0.00408	0.24331303	1.01E-07	0.493457	4.95E-30
0.00257	-0.06175	0.18281	0.042542	0.35899	0.31419538	3.70E-12	0.511201	1.87E-32
0.04228	0.060813	0.18956	0.018084	0.69669	0.08696011	0.06042	0.218107	1.95E-06
0.04453	0.227843	6.49E-07	0.255176	2.24E-08	0.42857944	2.75E-22	0.496227	2.12E-30
1.05E-11	0.083237	0.07232	0.149835	0.00116	0.56921904	1.87E-41	0.728675	1.82E-78
0.19414	-0.06197	0.18125	-0.21425	2.99E-06	-0.156723	0.00068	0.068803	0.13764
1.94E-05	0.072884	0.11574	0.256819	1.80E-08	0.35450717	2.83E-15	0.435757	4.59E-23
0.97131	0.094091	0.04211	0.152369	0.00096	0.54442519	2.15E-37	0.760442	3.21E-89
0.09016	0.190113	3.55E-05	0.105131	0.02308	-0.1352218	0.00341	-0.36142	7.41E-16
4.50E-09	0.012948	0.78019	-0.11202	0.01544	0.35274066	3.96E-15	0.629664	6.01E-53
0.00254	0.062704	0.17614	0.038151	0.41077	0.33694809	7.33E-14	0.611232	3.53E-49
0.40247	0.081037	0.08022	0.043951	0.34329	0.11075414	0.01665	0.328812	3.09E-13
0.29182	0.231897	4.04E-07	0.485086	6.16E-29	0.17042548	0.00022	-0.11688	0.01148
0.26954	0.022665	0.62516	-0.0965	0.03711	0.13822505	0.00276	0.436303	4.00E-23
0.07374	0.206351	6.93E-06	0.192785	2.74E-05	0.00190493	0.96725	-0.14538	0.00163
0.49774	-0.13306	0.00397	-0.08698	0.06036	0.1534999	0.00087	0.341737	3.08E-14
0.40912	-0.01554	0.73764	-0.03491	0.45167	0.17850028	0.00011	0.422318	1.27E-21
0.00047	0.025283	0.58575	-0.11729	0.01119	-0.0950004	0.04016	0.088267	0.05664
0.94215	-0.24724	6.20E-08	-0.1277	0.00572	0.18893583	3.97E-05	0.440413	1.41E-23
0.15553	0.201804	1.11E-05	0.059009	0.20306	0.38905771	2.51E-18	0.593414	9.17E-46
3.60E-08	0.007798	0.86653	0.000984	0.98308	0.22821418	6.21E-07	0.378243	2.48E-17
0.10762	0.156666	0.00068	0.070073	0.13051	0.39996544	2.29E-19	0.647027	9.74E-57
0.51179	0.277802	1.01E-09	0.424086	8.25E-22	-0.0763578	0.09933	-0.27552	1.40E-09
0.23344	0.039445	0.39507	0.064862	0.16169	0.23632833	2.38E-07	0.541663	5.82E-37
0.06615	-0.25009	4.32E-08	0.012146	0.79349	-0.09561	0.03889	-0.33053	2.29E-13
0.00741	-0.08429	0.06879	0.00977	0.83322	0.35401093	3.11E-15	0.510839	2.10E-32
0.24769	0.205916	7.25E-06	0.307501	1.10E-11	0.06637065	0.15214	-0.21672	2.28E-06
0.99568	0.23875	1.78E-07	0.084529	0.06799	0.27498519	1.51E-09	0.558689	1.09E-39
0.3413	-0.01481	0.74949	-0.10167	0.02802	0.13820638	0.00276	0.431811	1.24E-22

0.57771	0.160227	0.00051	0.041205	0.3743	0.23385516	3.20E-07	0.458073	1.33E-25
0.57517	0.024621	0.59561	-0.1002	0.03039	0.14938179	0.0012	0.395546	6.11E-19
0.47596	-0.04565	0.32493	0.272932	2.02E-09	0.14571054	0.00159	-0.08084	0.08095
0.2082	0.05316	0.25158	0.115454	0.01254	0.30474687	1.71E-11	0.432457	1.05E-22
0.06789	0.06909	0.13601	0.216884	2.24E-06	-0.1540184	0.00084	-0.37401	5.95E-17
0.6854	-0.16561	0.00033	0.042968	0.3542	-0.0252286	0.58657	-0.32888	3.05E-13
0.1498	-0.13224	0.0042	0.035031	0.45011	0.35709036	1.72E-15	0.568206	2.78E-41
0.43737	0.08872	0.05538	0.027921	0.54725	0.23922989	1.68E-07	0.514588	6.21E-33
0.47289	0.203296	9.52E-06	0.107619	0.02001	0.42556928	5.75E-22	0.599713	6.02E-47
0.00052	0.018739	0.68629	0.12417	0.00722	0.1646905	0.00035	0.279883	7.48E-10
0.00543	-0.08376	0.07056	0.153547	0.00087	0.0887468	0.0553	-0.11091	0.0165
0.021	-0.00241	0.95859	0.053504	0.24851	-0.0863246	0.06233	-0.24618	7.09E-08
0.00451	0.027427	0.55437	-0.05268	0.2559	0.05674599	0.22096	0.298403	4.65E-11
0.41598	0.116907	0.01146	0.023656	0.61012	0.12616688	0.00633	0.395372	6.35E-19
0.00783	-0.01254	0.78688	0.079655	0.08553	0.24988595	4.43E-08	0.433071	9.02E-23
0.0002	0.088494	0.056	0.193538	2.54E-05	-0.0115265	0.8038	-0.2011	1.19E-05
0.45621	0.067004	0.14826	0.037626	0.41725	0.33999524	4.23E-14	0.622215	2.15E-51
0.05036	0.03014	0.51586	0.051792	0.264	0.20274361	1.01E-05	0.322695	8.88E-13
4.80E-05	0.070703	0.12708	0.051613	0.26565	0.33315708	1.44E-13	0.515046	5.35E-33
0.00063	0.062835	0.17523	-0.07006	0.1306	0.13141247	0.00445	0.431203	1.44E-22
0.1323	0.009914	0.8308	0.104672	0.02369	0.0328739	0.47851	-0.2143	2.97E-06
0.02642	0.061586	0.18398	0.052526	0.25728	0.50806188	5.14E-32	0.747339	1.37E-84
0.76211	-0.13176	0.00434	-0.32806	3.52E-13	0.24521314	8.00E-08	0.400728	1.93E-19
0.78522	0.256472	1.89E-08	0.266323	5.04E-09	-0.0993123	0.0319	-0.2364	2.36E-07
0.72678	0.276813	1.16E-09	0.268452	3.76E-09	0.44233317	8.58E-24	0.654957	1.49E-58
0.32191	0.103032	0.02598	0.176605	0.00012	0.06701268	0.1482	-0.1956	2.07E-05
0.75843	0.061301	0.18603	-0.11112	0.01629	0.15052328	0.0011	0.373116	7.14E-17
0.81287	0.282922	4.81E-10	0.092024	0.04686	0.35590599	2.16E-15	0.609303	8.46E-49
0.00012	0.047713	0.30352	0.101924	0.02764	-0.1311842	0.00452	-0.4165	5.09E-21
0.00837	0.099374	0.03179	0.176954	0.00012	0.243439	9.98E-08	0.331352	1.98E-13
0.9505	0.080426	0.08253	0.155438	0.00075	0.06477029	0.16229	-0.25856	1.43E-08
0.00073	0.275497	1.40E-09	0.232393	3.81E-07	-0.1816661	7.87E-05	-0.42305	1.06E-21
0.01898	-0.00429	0.92636	-0.00976	0.83338	0.47916608	3.52E-28	0.709986	7.92E-73
0.00206	-0.0049	0.91587	-0.07489	0.10603	0.28496977	3.56E-10	0.486691	3.82E-29
0.22637	0.235328	2.69E-07	0.247992	5.64E-08	0.50434618	1.68E-31	0.753696	8.44E-87
0.65616	0.157007	0.00066	0.086837	0.06078	0.46549831	1.72E-26	0.720937	4.47E-76
0.07279	0.067279	0.1466	-0.0335	0.47021	0.10499317	0.02326	0.316572	2.49E-12
7.14E-05	-0.05569	0.22965	-0.19928	1.43E-05	0.00304533	0.94767	0.286017	3.05E-10
0.90403	-0.06668	0.15024	0.00633	0.89148	0.33013313	2.45E-13	0.575423	1.59E-42
0.51497	0.33252	1.61E-13	0.466629	1.26E-26	0.27815362	9.60E-10	-0.04689	0.31192
0.6864	0.230873	4.56E-07	0.014944	0.74738	0.23726549	2.13E-07	0.555706	3.37E-39
0.0492	0.277836	1.00E-09	0.27157	2.44E-09	0.38805191	3.12E-18	0.579512	3.04E-43
0.04755	0.046138	0.31978	0.079717	0.08528	0.28508495	3.50E-10	0.451921	6.95E-25
0.53686	-0.06229	0.17899	-0.01149	0.80444	0.16505218	0.00034	0.342947	2.47E-14
0.00895	-0.02814	0.54406	-0.07277	0.11629	0.29503684	7.82E-11	0.375579	4.31E-17

0.99592	0.127856	0.00566	0.162673	0.00042	0.42898566	2.49E-22	0.699565	7.12E-70
0.22616	-0.14789	0.00135	-0.19891	1.49E-05	0.02903875	0.53133	0.289992	1.68E-10
0.01592	0.201174	1.18E-05	-0.02086	0.65294	-0.207841	5.93E-06	-0.41162	1.60E-20
0.35567	0.311791	5.49E-12	0.089461	0.05336	0.26840571	3.79E-09	0.475107	1.14E-27
0.01177	0.030531	0.51043	0.190085	3.56E-05	-0.0476108	0.30456	-0.36834	1.88E-16
0.11067	0.126274	0.00629	0.036505	0.43126	0.37727779	3.03E-17	0.663058	1.83E-60
0.04138	0.133217	0.00393	0.047465	0.30604	0.25266166	3.10E-08	0.455365	2.76E-25
0.30882	0.069898	0.13148	-0.04352	0.34809	-0.2611968	1.01E-08	-0.49309	5.54E-30
0.00116	-0.13609	0.00321	-0.2436	9.79E-08	0.25009754	4.31E-08	0.352388	4.23E-15
0.22227	0.135381	0.00338	-0.06982	0.13191	0.3182667	1.88E-12	0.546662	9.56E-38
0.02482	-0.08995	0.05207	0.067971	0.14248	-0.1649668	0.00034	-0.40149	1.62E-19
0.14558	0.017219	0.71053	0.120956	0.00888	0.49215328	7.37E-30	0.634939	4.50E-54
0.0434	-0.00523	0.9102	0.275474	1.41E-09	-0.1447124	0.00172	-0.47267	2.28E-27
0.66657	-0.20536	7.68E-06	-0.04408	0.34189	-0.2170298	2.20E-06	-0.41395	9.28E-21
0.01128	-0.27092	2.67E-09	-0.27404	1.72E-09	0.18738936	4.61E-05	0.443162	6.92E-24
0.21722	0.030119	0.51615	-0.09494	0.04028	0.24068527	1.40E-07	0.40789	3.79E-20
0.39527	0.100664	0.02962	0.03356	0.46937	0.26566709	5.52E-09	0.514951	5.51E-33
0.0664	0.029768	0.52106	-0.01747	0.70645	0.29915477	4.13E-11	0.525446	1.66E-34
0.15755	0.084198	0.06908	0.090614	0.05035	0.26941168	3.30E-09	0.550604	2.25E-38
0.00065	0.0865	0.0618	0.06461	0.16333	0.46574778	1.61E-26	0.685349	4.80E-66
0.23171	-0.0979	0.03442	-0.26642	4.98E-09	-0.0409772	0.37695	0.172651	0.00018
0.01342	0.278502	9.13E-10	0.242732	1.09E-07	0.52236163	4.72E-34	0.621918	2.47E-51
0.2947	0.11607	0.01207	0.351695	4.82E-15	-0.0797502	0.08515	-0.32051	1.29E-12
0.64596	0.064287	0.16545	0.092612	0.04547	0.27094856	2.66E-09	0.476011	8.77E-28
0.02816	0.045887	0.32243	0.021211	0.64753	-0.2653966	5.72E-09	-0.46715	1.09E-26
0.04153	-0.00247	0.95751	-0.21171	3.93E-06	-0.0414333	0.37166	0.178984	0.0001
0.83395	0.333372	1.39E-13	0.018921	0.6834	0.15945648	0.00054	0.486367	4.21E-29
0.71717	-0.10928	0.01816	-0.01394	0.76382	0.02359275	0.61107	-0.30445	1.80E-11
0.25925	0.187004	4.78E-05	0.147089	0.00144	-0.1890777	3.92E-05	-0.39892	2.89E-19
0.06278	0.187885	4.39E-05	0.031316	0.49961	0.08821443	0.05679	0.221277	1.37E-06
0.80418	0.186271	5.12E-05	0.173671	0.00016	0.2681789	3.91E-09	0.556043	2.97E-39
0.42383	0.18626	5.13E-05	0.085023	0.06639	0.37577504	4.14E-17	0.635899	2.79E-54
0.59918	-0.31233	5.03E-12	-0.13899	0.00261	0.25069637	4.00E-08	0.503295	2.34E-31
0.00079	-0.06368	0.16949	0.030288	0.51381	0.44785814	2.04E-24	0.697167	3.27E-69
0.16143	0.197604	1.70E-05	0.022549	0.62693	0.37185526	9.23E-17	0.620228	5.49E-51
0.39271	0.160203	0.00051	0.062763	0.17573	0.3987291	3.02E-19	0.705728	1.32E-71
0.06635	0.002841	0.95117	0.121608	0.00852	0.02600668	0.57507	-0.17264	0.00018
0.31414	0.026676	0.56526	0.081606	0.07812	0.31156221	5.70E-12	0.574678	2.14E-42
0.22809	0.116929	0.01145	0.23679	2.25E-07	-0.1240392	0.00728	-0.34679	1.21E-14
0.19176	0.228402	6.08E-07	-0.04799	0.30068	0.06991918	0.13136	0.363945	4.51E-16
0.25479	0.255687	2.09E-08	0.234038	3.13E-07	0.42650599	4.58E-22	0.658522	2.19E-59
0.39052	0.202271	1.06E-05	0.083739	0.07061	0.3605086	8.85E-16	0.604263	8.10E-48
0.00685	-0.12549	0.00662	-0.03611	0.43624	0.31039572	6.89E-12	0.398194	3.40E-19
0.45473	0.266199	5.13E-09	0.356398	1.97E-15	0.00604281	0.89638	-0.33369	1.31E-13
0.01	0.029173	0.52942	0.292386	1.17E-10	0.00376294	0.93536	-0.31319	4.36E-12

0.18661	0.106812	0.02096	0.17422	0.00015	-0.076196	0.10005	-0.34309	2.40E-14
0.8304	0.141048	0.00225	0.06529	0.15894	0.22641567	7.65E-07	0.520284	9.45E-34
0.04629	0.222275	1.23E-06	0.172833	0.00017	0.22133169	1.36E-06	0.344196	1.96E-14
0.08155	0.236869	2.23E-07	0.016323	0.72497	0.17017713	0.00022	0.45668	1.94E-25
0.00996	0.05063	0.27488	-0.04061	0.38128	0.27501914	1.50E-09	0.552941	9.48E-39
1.41E-06	-0.02112	0.64899	-0.04846	0.29602	0.19652334	1.89E-05	0.371478	9.96E-17
0.05686	0.276147	1.28E-09	0.037784	0.41528	0.23395644	3.16E-07	0.544144	2.38E-37
0.11388	0.015653	0.73584	-0.08752	0.05878	0.24313568	1.04E-07	0.308075	1.00E-11
0.02074	0.280918	6.44E-10	0.262893	8.04E-09	0.47469702	1.28E-27	0.689437	4.01E-67
0.50576	0.114533	0.01326	0.030713	0.50791	0.26924664	3.37E-09	0.53107	2.42E-35
0.40915	0.373845	6.15E-17	0.145648	0.0016	0.35066801	5.86E-15	0.506717	7.90E-32
0.08719	-0.1923	2.87E-05	-0.24261	1.11E-07	0.10272666	0.02643	0.337147	7.07E-14
0.9584	0.087171	0.05979	0.112492	0.01501	0.31082179	6.43E-12	0.610316	5.35E-49
0.75805	0.221167	1.39E-06	0.183133	6.87E-05	0.33775504	6.34E-14	0.488081	2.52E-29
0.0048	-0.18735	4.62E-05	-0.1946	2.29E-05	0.30694804	1.20E-11	0.556985	2.08E-39
0.00196	0.178622	0.0001	0.119038	0.01003	0.32471514	6.28E-13	0.440197	1.49E-23
0.13701	0.043741	0.34559	-0.17367	0.00016	0.20704095	6.45E-06	0.254646	2.40E-08
0.249	-0.03133	0.49943	0.194614	2.29E-05	0.22815473	6.26E-07	0.370376	1.25E-16
0.13218	0.307633	1.08E-11	0.057267	0.21674	-0.1949741	2.21E-05	-0.30474	1.71E-11
0.05863	0.200622	1.25E-05	0.006178	0.89407	0.29414638	8.96E-11	0.605237	5.25E-48
0.00197	-0.00497	0.91468	0.157926	0.00061	-0.0482144	0.29846	-0.24342	1.00E-07
0.75642	0.169568	0.00023	-0.17322	0.00017	-0.1817189	7.84E-05	0.054233	0.24212
0.81962	0.058196	0.20936	-0.15716	0.00065	0.21011284	4.66E-06	0.511403	1.75E-32
0.43783	-0.15812	0.0006	-0.16405	0.00037	0.28206544	5.45E-10	0.568559	2.42E-41
0.26761	-0.07152	0.12275	-0.03791	0.41371	0.40178107	1.52E-19	0.602806	1.55E-47
0.94592	0.148785	0.00126	0.162101	0.00044	-0.0485724	0.29489	-0.26538	5.73E-09
0.48476	0.045492	0.32661	0.03029	0.51378	0.33111769	2.06E-13	0.556229	2.77E-39
0.90583	0.112703	0.01482	0.168861	0.00025	0.41601539	5.70E-21	0.614618	7.48E-50
0.02633	0.247834	5.75E-08	0.104448	0.02399	0.23890264	1.74E-07	0.533826	9.30E-36
0.54121	0.201127	1.19E-05	-0.13779	0.00285	0.13926119	0.00256	0.373038	7.25E-17
0.00737	-0.13448	0.0036	-0.15462	0.0008	0.25794056	1.56E-08	0.44719	2.43E-24
0.49777	0.16609	0.00031	0.034758	0.45365	0.08900849	0.05459	0.239935	1.54E-07
0.99861	-0.16265	0.00042	-0.09345	0.04355	0.1857076	5.40E-05	0.311934	5.36E-12
0.60963	-0.00994	0.83033	0.056996	0.21892	0.43097015	1.52E-22	0.664911	6.57E-61
0.81275	0.094993	0.04017	0.139521	0.00251	0.39644752	5.01E-19	0.65539	1.18E-58
0.00387	-0.07878	0.08905	-0.18441	6.10E-05	0.16609716	0.00031	0.288757	2.03E-10
0.84911	0.030191	0.51516	-0.07986	0.08471	0.44716354	2.44E-24	0.685686	3.92E-66
0.0634	0.131008	0.00457	0.134081	0.0037	0.52089282	7.71E-34	0.727354	4.71E-78
0.50958	0.182782	7.10E-05	0.112632	0.01488	0.44501371	4.28E-24	0.57899	3.76E-43
0.01258	-0.04879	0.29271	-0.00718	0.877	0.32909321	2.94E-13	0.494782	3.30E-30
0.37922	0.283005	4.75E-10	0.167529	0.00028	0.35128046	5.22E-15	0.639125	5.54E-55
0.37219	0.022107	0.63371	0.135409	0.00337	0.41883024	2.92E-21	0.678558	2.72E-64
0.29403	0.059077	0.20254	0.153708	0.00086	0.50997608	2.78E-32	0.699553	7.18E-70
0.54479	0.070593	0.12768	0.006904	0.8817	0.25617118	1.97E-08	0.441258	1.13E-23
0.59251	0.23891	1.74E-07	0.229796	5.17E-07	0.39369675	9.17E-19	0.521108	7.18E-34

0.18242	0.099522	0.03153	0.224498	9.53E-07	-0.2306379	4.68E-07	-0.45632	2.14E-25
6.97E-05	0.015005	0.74639	0.014307	0.75781	0.27974976	7.63E-10	0.302567	2.42E-11
0.06473	0.208997	5.24E-06	0.11766	0.01094	0.41192569	1.49E-20	0.651486	9.44E-58
0.00308	0.07599	0.10098	0.005735	0.90162	0.27746923	1.06E-09	0.486247	4.36E-29
0.0002	0.104709	0.02364	0.096222	0.03765	0.31793857	1.98E-12	0.575703	1.42E-42
0.58792	0.081028	0.08026	-0.04404	0.34232	0.33844257	5.60E-14	0.581934	1.13E-43
0.53694	0.308893	8.80E-12	0.181746	7.82E-05	0.445389	3.88E-24	0.705676	1.37E-71
0.23208	0.123866	0.00736	-0.08599	0.06335	0.25317346	2.90E-08	0.579135	3.54E-43
0.49834	0.041401	0.37204	0.149687	0.00118	0.52575043	1.50E-34	0.736885	4.27E-81
0.22304	-0.15245	0.00095	-0.06702	0.14818	0.26990618	3.08E-09	0.453606	4.43E-25
0.19882	-0.20991	4.76E-06	-0.0835	0.07143	0.10565934	0.0224	0.309053	8.57E-12
0.9511	0.135981	0.00324	0.142653	0.002	0.48559667	5.29E-29	0.662557	2.41E-60
0.08475	0.195154	2.17E-05	0.032969	0.47724	0.2361006	2.45E-07	0.46297	3.48E-26
0.16822	0.19131	3.16E-05	0.089515	0.05322	0.32927351	2.85E-13	0.626375	2.95E-52
0.15654	0.210165	4.63E-06	0.062684	0.17628	0.31001186	7.34E-12	0.436508	3.80E-23
0.0716	0.163326	0.00039	0.090563	0.05048	0.48811597	2.49E-29	0.703278	6.53E-71
0.07031	0.216726	2.28E-06	0.040846	0.37849	0.31129753	5.95E-12	0.627306	1.88E-52
0.31974	0.194844	2.23E-05	0.235868	2.52E-07	0.47410684	1.52E-27	0.612753	1.76E-49
0.6871	0.104083	0.02449	0.192262	2.88E-05	0.17208757	0.00019	-0.13553	0.00334
0.37481	0.106909	0.02085	0.063076	0.17358	0.35900792	1.19E-15	0.630544	3.91E-53
0.02608	0.044566	0.33657	0.088833	0.05507	0.34422023	1.95E-14	0.572467	5.18E-42
0.78202	0.159974	0.00052	0.047937	0.30126	0.41457757	8.00E-21	0.613204	1.43E-49
0.06275	0.093821	0.04271	-0.057	0.21888	0.4482221	1.85E-24	0.666287	3.05E-61
0.04421	0.173623	0.00016	0.054501	0.2398	0.29051579	1.56E-10	0.57411	2.69E-42
0.08902	0.031426	0.49811	0.352759	3.94E-15	0.46658125	1.27E-26	0.135819	0.00327
0.56735	-0.10603	0.02193	-0.23977	1.57E-07	0.04381607	0.34477	0.270715	2.75E-09
0.31005	-0.11333	0.01427	-0.12705	0.00597	0.16835402	0.00026	0.432453	1.05E-22
0.83397	-0.11738	0.01113	-0.12672	0.0061	0.17880834	0.0001	0.437527	2.93E-23
0.00707	0.085446	0.06505	0.049681	0.28399	0.47912008	3.56E-28	0.651945	7.40E-58
0.07757	-0.26361	7.30E-09	-0.27759	1.04E-09	0.16125021	0.00047	0.424755	7.02E-22
0.72138	0.13973	0.00248	0.205364	7.68E-06	0.52981953	3.73E-35	0.698195	1.70E-69
0.24673	0.151865	0.00099	0.143939	0.00182	0.37681476	3.34E-17	0.555304	3.92E-39
0.04658	0.046064	0.32056	-0.00117	0.9798	0.29445933	8.54E-11	0.492906	5.86E-30
0.01822	0.015665	0.73564	-0.13058	0.00471	0.17983232	9.32E-05	0.44479	4.54E-24
0.86848	-0.24634	6.95E-08	-0.21928	1.71E-06	-0.0327968	0.47954	0.223704	1.04E-06
0.02743	0.173034	0.00017	0.159231	0.00055	-0.0861701	0.0628	-0.36594	3.03E-16
2.60E-11	-0.08772	0.0582	-0.0444	0.33833	0.13965245	0.00249	0.303169	2.20E-11
0.07058	0.224361	9.68E-07	-0.01381	0.76601	0.17107169	0.0002	0.502728	2.80E-31
0.27977	-0.06874	0.13802	-0.01066	0.81829	-0.0127131	0.78408	-0.27172	2.39E-09
0.28208	0.023269	0.61598	0.095611	0.03889	-0.3425598	2.65E-14	-0.54681	9.07E-38
0.69204	0.175986	0.00013	0.086863	0.0607	0.23094065	4.52E-07	0.431898	1.21E-22
0.49312	-0.04189	0.36636	-0.19881	1.50E-05	0.12548017	0.00663	0.382689	9.78E-18
0.27728	0.130929	0.0046	0.055566	0.23072	0.16439417	0.00036	0.418921	2.86E-21
0.21232	-0.30858	9.25E-12	-0.33748	6.65E-14	-0.0165119	0.72192	0.139052	0.0026
0.65836	-0.05789	0.21176	-0.09854	0.03326	0.15233444	0.00096	0.241757	1.23E-07

0.35191	-0.18843	4.17E-05	-0.16576	0.00032	0.11230568	0.01518	0.271562	2.44E-09
2.26E-05	-0.0484	0.2966	-0.01988	0.66823	0.2068278	6.59E-06	0.386921	3.98E-18
0.00081	-0.09729	0.03557	-0.04996	0.28133	0.27962238	7.77E-10	0.37286	7.52E-17
0.19772	0.056522	0.22279	0.019315	0.67717	0.47758678	5.56E-28	0.702025	1.47E-70
0.26373	0.016023	0.72982	-0.13073	0.00466	0.1793998	9.69E-05	0.510671	2.22E-32
0.02405	0.112329	0.01516	0.099708	0.03122	0.29977778	3.75E-11	0.533105	1.20E-35
2.17E-05	-0.055	0.23552	-0.23848	1.84E-07	0.13240679	0.00415	0.379575	1.88E-17
0.09473	0.256791	1.81E-08	0.145971	0.00156	0.36319886	5.22E-16	0.478198	4.66E-28
0.26633	0.046006	0.32117	-0.02454	0.59686	0.15504904	0.00077	0.265822	5.40E-09
0.20125	0.148574	0.00128	0.019192	0.67912	0.43012789	1.88E-22	0.660638	6.92E-60
0.13586	-0.1539	0.00085	-0.07341	0.11312	0.22800707	6.36E-07	0.460766	6.37E-26
0.05031	0.312858	4.61E-12	0.105671	0.02238	0.35994624	9.88E-16	0.598555	9.98E-47
0.0102	0.181394	8.07E-05	-0.10237	0.02696	0.20987068	4.78E-06	0.500588	5.47E-31
0.79864	0.346757	1.22E-14	0.159594	0.00054	0.37796171	2.63E-17	0.634718	5.02E-54
0.27275	0.011104	0.81085	0.1723	0.00018	0.53630068	3.91E-36	0.742754	4.90E-83
0.20048	0.335874	8.88E-14	-0.06501	0.16075	0.1588992	0.00057	0.426408	4.69E-22
0.01984	0.036378	0.43288	-0.33572	9.13E-14	-0.1496917	0.00118	0.089566	0.05308
0.75178	0.19306	2.66E-05	0.132429	0.00415	0.45370917	4.31E-25	0.697319	2.97E-69
0.2652	0.326982	4.25E-13	-0.1022	0.02721	0.04718688	0.30889	0.231976	4.00E-07
0.76886	0.399965	2.29E-19	0.140307	0.00237	0.2450293	8.19E-08	0.487515	2.99E-29
0.0809	0.231748	4.11E-07	0.114937	0.01294	0.33512934	1.01E-13	0.550963	1.97E-38
0.00124	0.210349	4.54E-06	0.12257	0.00801	0.39493794	6.98E-19	0.698042	1.88E-69
0.85154	0.01023	0.82549	-0.2133	3.31E-06	0.19079238	3.32E-05	0.382931	9.30E-18
0.61889	0.0422	0.36287	-0.09008	0.05172	0.299406	3.98E-11	0.380417	1.58E-17
0.03468	-0.12822	0.00552	-0.0407	0.38018	0.2988049	4.37E-11	0.402359	1.34E-19
0.08453	0.180916	8.44E-05	-0.1063	0.02158	0.04919773	0.28871	0.289459	1.82E-10
0.00221	-0.06284	0.17521	-0.10345	0.02538	0.19796815	1.64E-05	0.435097	5.42E-23
0.11409	0.235386	2.67E-07	0.04808	0.29982	0.17250594	0.00018	0.422871	1.11E-21
0.07896	0.307397	1.12E-11	0.227246	6.95E-07	0.36233319	6.19E-16	0.447732	2.10E-24
0.51311	0.354883	2.63E-15	0.149443	0.0012	0.26723803	4.45E-09	0.418317	3.30E-21
0.02031	-0.08501	0.06643	-0.03697	0.42538	-0.1157932	0.01228	-0.44808	1.92E-24
0.24854	-0.15142	0.00103	-0.07957	0.08587	0.14761555	0.00138	0.258879	1.37E-08
0.00787	0.290082	1.66E-10	0.089351	0.05366	0.33788126	6.19E-14	0.50669	7.97E-32
0.06828	0.012074	0.79469	-0.03765	0.41694	0.38587443	4.98E-18	0.536459	3.70E-36
0.68292	0.173117	0.00017	0.042871	0.35528	0.22467164	9.34E-07	0.520467	8.89E-34
0.91389	0.025529	0.58211	-0.17583	0.00013	0.04967943	0.284	0.218182	1.94E-06
0.01938	0.218112	1.95E-06	-0.00301	0.9482	0.14442606	0.00175	0.4401	1.52E-23
0.00586	0.139513	0.00251	0.007512	0.87139	0.24806874	5.59E-08	0.316707	2.44E-12
0.19688	0.428808	2.60E-22	0.120614	0.00908	0.34032696	3.98E-14	0.612551	1.93E-49
0.00014	-0.19876	1.51E-05	-0.23965	1.59E-07	0.11747731	0.01106	0.405723	6.23E-20
0.0007	0.303597	2.06E-11	0.160473	0.0005	0.20998278	4.72E-06	0.409666	2.52E-20
0.0043	0.146584	0.00149	0.00091	0.98435	0.06813013	0.14154	0.257816	1.58E-08
0.03614	0.07208	0.11983	0.163626	0.00038	0.31711193	2.28E-12	0.431195	1.44E-22
0.40406	0.171671	0.00019	-0.09476	0.04067	0.28475462	3.67E-10	0.607993	1.53E-48
0.64953	0.18705	4.76E-05	-0.04935	0.28721	0.13144454	0.00444	0.248597	5.22E-08



0.6459	-0.08637	0.06219	-0.214	3.06E-06	0.22171537	1.31E-06	0.345069	1.67E-14
0.06953	-0.0213	0.6462	-0.16137	0.00046	0.31693253	2.35E-12	0.412558	1.28E-20
0.23482	0.138782	0.00265	0.037107	0.4237	0.25745504	1.66E-08	0.527993	6.99E-35
0.01726	-0.07882	0.08886	-0.03918	0.39826	0.20257679	1.03E-05	0.423817	8.81E-22
0.79251	0.108662	0.01883	0.109847	0.01757	0.25907973	1.34E-08	0.425919	5.28E-22
0.18781	0.179963	9.21E-05	0.032627	0.48182	0.4161819	5.48E-21	0.630801	3.45E-53
0.12164	0.106738	0.02105	0.021057	0.64991	0.28064648	6.70E-10	0.453057	5.14E-25
0.23605	0.110285	0.01712	0.241228	1.31E-07	-0.0041138	0.92935	-0.30298	2.27E-11
0.96673	0.20062	1.25E-05	0.025448	0.58331	0.40127675	1.70E-19	0.65356	3.14E-58
0.19002	0.176658	0.00012	0.182923	7.01E-05	0.33259698	1.59E-13	0.520468	8.89E-34
4.77E-05	0.032137	0.48843	0.038342	0.40843	0.42078524	1.83E-21	0.549307	3.63E-38
0.05758	-0.00136	0.97661	-0.13466	0.00355	0.18098729	8.38E-05	0.388275	2.98E-18
0.0845	-0.02359	0.61115	-0.12182	0.00841	0.1173337	0.01116	0.275731	1.36E-09
0.02556	0.257977	1.55E-08	0.136947	0.00302	0.51736817	2.49E-33	0.64305	7.56E-56
0.75451	0.204983	7.99E-06	-0.13876	0.00265	0.12661753	0.00615	0.488937	1.95E-29
0.03897	0.03656	0.43057	-0.14382	0.00183	0.27146367	2.48E-09	0.543836	2.66E-37
0.03602	0.007149	0.87755	-0.0378	0.41513	0.24006199	1.51E-07	0.355145	2.50E-15
0.00936	0.019876	0.66834	0.033044	0.47623	0.42970496	2.08E-22	0.660378	7.97E-60
0.0311	0.026343	0.57013	-0.24539	7.83E-08	0.13597136	0.00324	0.429947	1.96E-22
0.37742	0.249248	4.81E-08	0.079397	0.08655	0.25592961	2.03E-08	0.503367	2.29E-31
0.16714	0.262546	8.42E-09	0.025605	0.581	0.18769183	4.47E-05	0.423112	1.05E-21
0.13033	0.463135	3.32E-26	0.232087	3.95E-07	0.29213005	1.22E-10	0.435119	5.39E-23
0.00388	-0.05614	0.22597	0.035988	0.43782	0.37157275	9.77E-17	0.535679	4.86E-36
0.32179	0.178204	0.00011	-0.00683	0.883	0.22608254	7.95E-07	0.347061	1.15E-14
0.25478	0.084014	0.06969	0.08697	0.06039	0.36773022	2.12E-16	0.523999	2.72E-34
0.17985	0.250108	4.31E-08	0.003985	0.93156	0.12717444	0.00592	0.346209	1.35E-14
0.23152	0.066948	0.1486	-0.07795	0.09246	-0.2880482	2.25E-10	-0.51017	2.61E-32
0.16921	-0.1908	3.32E-05	-0.10684	0.02093	-0.2124045	3.64E-06	-0.46648	1.31E-26
0.10148	0.169753	0.00023	0.077635	0.09379	0.33235163	1.66E-13	0.487611	2.90E-29
0.09851	0.119906	0.0095	-0.03773	0.41598	0.12337436	0.0076	0.298551	4.54E-11
0.37292	0.034557	0.45627	0.042812	0.35594	0.23314922	3.48E-07	0.348649	8.56E-15
0.00019	0.071923	0.12064	-0.12822	0.00552	0.37075021	1.15E-16	0.553575	7.48E-39
0.1792	-0.09356	0.0433	-0.17304	0.00017	0.15808544	0.00061	0.384289	6.97E-18
0.95764	0.281212	6.17E-10	0.199238	1.44E-05	0.44196101	9.44E-24	0.606951	2.44E-48
0.34268	0.116108	0.01204	0.277104	1.12E-09	0.27080308	2.72E-09	-0.08239	0.07529
0.02585	-0.06621	0.15316	-0.26938	3.31E-09	0.02839591	0.54046	0.229928	5.09E-07
0.00032	-0.07389	0.1108	-0.08323	0.07236	0.31319116	4.36E-12	0.538651	1.70E-36
0.19779	0.293105	1.05E-10	0.134857	0.0035	0.3510631	5.44E-15	0.667344	1.69E-61
0.45665	-0.01579	0.73368	-0.04063	0.38101	0.32894838	3.02E-13	0.45529	2.82E-25
0.90964	0.023699	0.60946	0.094696	0.0408	0.02940744	0.52612	-0.23695	2.21E-07
0.39254	0.156213	0.00071	0.072806	0.11613	0.28757372	2.42E-10	0.597125	1.86E-46
0.03401	0.015291	0.74171	0.004308	0.92603	0.30622564	1.35E-11	0.476675	7.24E-28
0.3289	-0.11089	0.01652	0.055859	0.22827	0.23251014	3.76E-07	0.343722	2.14E-14
0.00574	0.091554	0.048	-0.05169	0.26493	0.12785086	0.00566	0.27758	1.04E-09
0.33472	0.22367	1.05E-06	-0.07396	0.11046	0.09015925	0.05152	0.371941	9.07E-17

2.96E-10	0.188448	4.16E-05	0.142281	0.00206	0.34973453	6.98E-15	0.544134	2.39E-37
0.00037	0.322226	9.61E-13	0.071111	0.1249	0.29754948	5.31E-11	0.480571	2.33E-28
2.04E-16	-0.13425	0.00366	-0.07978	0.08504	0.24986579	4.44E-08	0.387047	3.87E-18
0.00497	0.11487	0.01299	-0.00428	0.92659	0.18276858	7.11E-05	0.36001	9.76E-16
0.00254	0.152852	0.00092	-0.04372	0.3458	0.22776637	6.54E-07	0.417507	4.01E-21
0.75682	-0.01814	0.69573	-0.0265	0.56782	0.10451561	0.0239	0.250365	4.17E-08
0.72617	0.143122	0.00193	0.05294	0.25355	0.24550588	7.72E-08	0.422035	1.36E-21
0.17525	0.210885	4.29E-06	-0.00809	0.8616	0.20819634	5.71E-06	0.516201	3.66E-33
0.48639	0.329801	2.60E-13	0.016946	0.71492	0.13931627	0.00255	0.291413	1.36E-10
0.35831	0.105079	0.02315	0.023417	0.61373	0.30776175	1.06E-11	0.481462	1.80E-28
0.27713	0.028258	0.54242	-0.10643	0.02142	0.16469599	0.00035	0.354438	2.86E-15
0.47279	0.263953	6.96E-09	-0.03569	0.44169	0.27416617	1.69E-09	0.400298	2.12E-19
0.34256	0.136301	0.00316	0.084217	0.06902	0.20731742	6.26E-06	0.338378	5.66E-14
0.86171	0.073486	0.11275	-0.00694	0.88115	0.18640822	5.05E-05	0.334747	1.09E-13
0.98874	0.126505	0.00619	-0.10999	0.01742	0.13987249	0.00245	0.343284	2.32E-14
0.5047	0.032328	0.48584	-0.09917	0.03215	0.27786986	1.00E-09	0.585154	2.98E-44
0.7398	0.12577	0.0065	0.021158	0.64835	0.18208298	7.58E-05	0.295406	7.39E-11
0.85394	0.259579	1.25E-08	0.207222	6.33E-06	0.35774558	1.52E-15	0.384697	6.40E-18
0.06375	-0.08253	0.07477	-0.40351	1.03E-19	0.1116026	0.01583	0.25538	2.18E-08
0.1497	0.077109	0.09604	0.108562	0.01894	0.37569628	4.20E-17	0.476154	8.41E-28
0.95539	-0.13731	0.00294	-0.2641	6.82E-09	-0.0719923	0.12028	0.115044	0.01286
0.74427	-0.04278	0.35625	0.001484	0.97448	0.05588792	0.22803	-0.2624	8.59E-09
0.81787	0.074532	0.10771	-0.20583	7.32E-06	0.16838323	0.00026	0.46232	4.16E-26
0.01536	0.169305	0.00024	0.196946	1.81E-05	-0.1205503	0.00912	-0.24496	8.26E-08
0.42622	0.1095	0.01793	0.065797	0.15572	0.21448258	2.91E-06	0.402463	1.31E-19
0.00737	0.149788	0.00117	0.057833	0.21222	0.14441816	0.00175	0.24755	5.96E-08
0.39549	0.018737	0.68632	-0.04961	0.28466	0.15526543	0.00076	0.291334	1.37E-10
0.00266	0.189955	3.60E-05	0.067952	0.14259	0.41594169	5.80E-21	0.56556	7.82E-41
0.46141	0.191051	3.24E-05	0.214127	3.02E-06	0.36725553	2.33E-16	0.538875	1.57E-36
0.04734	-0.01801	0.69795	-0.1783	0.00011	0.32936828	2.81E-13	0.528056	6.84E-35
0.08155	-0.08359	0.07112	0.104624	0.02375	0.42648609	4.60E-22	0.60341	1.18E-47
0.35585	0.061799	0.18247	0.100257	0.03029	0.3881118	3.08E-18	0.652356	5.96E-58
0.11773	0.157539	0.00063	0.127295	0.00587	0.40695623	4.70E-20	0.681767	4.09E-65
0.73502	0.26889	3.54E-09	0.113583	0.01405	0.39211542	1.30E-18	0.665955	3.67E-61
0.00988	-0.10023	0.03034	0.003493	0.93999	0.24283387	1.08E-07	0.26207	8.98E-09
0.2518	-0.11854	0.01035	-0.14265	0.002	0.04509653	0.33084	0.142062	0.00209
0.63965	-0.23257	3.73E-07	-0.09718	0.03577	0.05578391	0.2289	0.085359	0.06532
0.00056	-0.03788	0.41406	-0.08475	0.06728	-0.0028795	0.95052	-0.06223	0.17946
0.5719	0.036056	0.43696	-0.00321	0.9449	0.04664216	0.31452	-0.1381	0.00278
3.99E-16	-0.30708	1.18E-11	-0.11731	0.01118	0.13369907	0.0038	0.166151	0.00031
0.80102	-0.09007	0.05177	0.024131	0.60296	0.05741982	0.21551	-0.01071	0.81745
0.35757	0.097979	0.03428	0.205499	7.58E-06	-0.0377077	0.41623	-0.05163	0.26551
0.78691	-0.2651	5.96E-09	-0.25767	1.61E-08	-0.141197	0.00222	-0.16944	0.00023
0.01014	-0.26759	4.24E-09	-0.23316	3.48E-07	-0.0795781	0.08583	0.00709	0.87855
0.46102	-0.12616	0.00634	-0.0133	0.7743	0.12614998	0.00634	0.15366	0.00086

0.29989	-0.12233	0.00813	-0.14942	0.0012	0.0189879	0.68234	0.09945	0.03166
0.12734	-0.10612	0.02182	0.203763	9.07E-06	0.06584239	0.15543	-0.04826	0.29802
0.57365	-0.29833	4.70E-11	-0.21218	3.73E-06	-0.0421522	0.36341	-0.04938	0.28691
9.05E-07	-0.13571	0.0033	-0.17467	0.00015	0.04466924	0.33545	0.069435	0.13406
0.54194	-0.07543	0.10351	-0.04574	0.32396	-0.2265486	7.53E-07	-0.31181	5.47E-12
0.22956	-0.01615	0.7278	-0.03015	0.51567	0.07132506	0.12376	-0.02319	0.61719
0.05487	-0.11089	0.01651	-0.24091	1.36E-07	-0.0372533	0.42188	0.062566	0.17709
0.17883	-0.30462	1.75E-11	-0.3721	8.78E-17	-0.2055028	7.57E-06	-0.23535	2.68E-07
0.27355	0.520352	9.24E-34	0.515511	4.59E-33	0.14428593	0.00177	-0.05855	0.20663
0.23067	-0.12205	0.00828	-0.07404	0.11008	0.04195367	0.36568	0.029219	0.52878
0.82285	-0.31831	1.86E-12	-0.20946	5.00E-06	-0.0328338	0.47905	0.015038	0.74585
8.64E-08	-0.0811	0.08	0.08269	0.07423	0.04988887	0.28198	-0.03261	0.48211
0.30707	-0.18548	5.52E-05	-0.217	2.21E-06	-0.2719353	2.32E-09	-0.18033	8.90E-05
0.00519	-0.16652	0.0003	-0.26652	4.91E-09	-0.0679414	0.14265	-0.0124	0.78923
0.00041	-0.34904	7.96E-15	-0.19124	3.18E-05	0.0399711	0.38879	0.029251	0.52833
0.66373	-0.31091	6.34E-12	-0.1195	0.00974	0.07390453	0.11071	0.114225	0.01351
0.27708	-0.25857	1.43E-08	-0.21866	1.84E-06	-0.036172	0.43548	0.044203	0.34052
0.01555	-0.24887	5.05E-08	-0.13272	0.00406	-0.0189833	0.68241	-0.01056	0.81989
0.78905	-0.28603	3.04E-10	-0.23714	2.16E-07	-0.0588585	0.20421	0.011446	0.80515
0.58159	-0.03528	0.44685	-0.01297	0.77979	0.01531476	0.74133	0.007169	0.87721
0.12821	0.005862	0.89946	0.091844	0.04729	0.10581619	0.0222	0.030594	0.50956
0.9525	-0.28552	3.28E-10	-0.27382	1.78E-09	-0.0436679	0.3464	-0.00518	0.91106
0.81462	-0.0586	0.20619	-0.09818	0.03391	0.0963443	0.03741	0.196529	1.89E-05
0.63147	0.161379	0.00046	0.188738	4.05E-05	0.07211238	0.11966	-0.02589	0.57674
0.17118	-0.09941	0.03173	0.049012	0.29053	0.00450628	0.92263	-0.00822	0.85944
0.00644	-0.18782	4.42E-05	-0.11154	0.01589	-0.1096763	0.01774	-0.04104	0.37618
0.21868	-0.13375	0.00378	-0.03086	0.50585	0.09445808	0.04132	0.134625	0.00356
0.00194	-0.3319	1.80E-13	-0.12509	0.0068	0.00876587	0.85015	-0.0307	0.50807
0.43334	-0.05561	0.23032	-0.11303	0.01453	0.10716207	0.02054	0.283281	4.56E-10
0.27507	-0.24668	6.65E-08	-0.14049	0.00234	-0.0528104	0.25471	-0.02502	0.58959
0.27829	-0.49524	2.87E-30	-0.2461	7.16E-08	0.21397054	3.08E-06	0.183139	6.87E-05
0.00495	-0.12822	0.00552	-0.05909	0.20248	-0.0231934	0.61712	0.01424	0.7589
0.35335	-0.06688	0.14899	-0.02772	0.55014	0.0192011	0.67897	0.027247	0.55697
0.01105	-0.0663	0.15257	0.070718	0.127	0.05578281	0.22891	-0.06775	0.14376
1.52E-09	-0.22492	9.08E-07	-0.07919	0.08738	0.00052699	0.99094	-0.08422	0.06901
0.43186	0.138997	0.00261	0.258714	1.41E-08	0.15033793	0.00112	0.050978	0.27159
0.53528	0.066469	0.15153	0.078236	0.09127	-0.0476773	0.30389	-0.01613	0.72804
0.00264	-0.07395	0.1105	-0.0178	0.70123	-0.1492351	0.00122	-0.21367	3.18E-06
0.02381	-0.07177	0.12145	-0.00096	0.98341	0.1147992	0.01305	0.065431	0.15804
0.14521	-0.23364	3.28E-07	-0.39652	4.92E-19	-0.066249	0.15289	0.130271	0.00481
0.00044	-0.04346	0.34869	-0.00063	0.9891	-0.0377268	0.416	-0.05296	0.25339
0.09286	-0.18324	6.81E-05	-0.16036	0.0005	-0.0164519	0.72289	0.101007	0.02907
0.00219	-0.19953	1.40E-05	-0.15278	0.00093	0.1535723	0.00087	0.261314	9.94E-09
0.00091	-0.32243	9.29E-13	-0.22957	5.31E-07	-0.0054844	0.90591	-0.03794	0.4134
0.00221	-0.28642	2.87E-10	-0.38072	1.48E-17	-0.1996227	1.39E-05	-0.08892	0.05482

0.1619	-0.27419	1.69E-09	-0.29133	1.38E-10	-0.0624011	0.17824	0.040374	0.38402
2.12E-06	-0.38541	5.50E-18	-0.27184	2.35E-09	-0.0224125	0.62902	0.003004	0.94838
0.06505	-0.36254	5.95E-16	-0.33468	1.10E-13	-0.1067848	0.021	-0.16291	0.00041
0.72892	-0.27021	2.95E-09	-0.14437	0.00176	0.05983591	0.19679	0.01178	0.79957
0.93486	0.002081	0.96423	-0.00106	0.98179	0.16585177	0.00032	0.338538	5.50E-14
0.61388	-0.35548	2.35E-15	-0.29044	1.57E-10	-0.0426371	0.35792	-0.05895	0.2035
0.4366	-0.03401	0.46339	0.087037	0.06019	0.06524639	0.15922	0.084181	0.06914
0.61242	-0.12678	0.00608	-0.05892	0.20373	0.21648622	2.34E-06	0.366696	2.61E-16
0.57733	-0.00876	0.85026	-0.01805	0.69728	0.08976376	0.05256	0.233886	3.19E-07
0.43443	-0.20576	7.38E-06	-0.12133	0.00868	0.01686314	0.71626	-0.01204	0.79523
0.06413	-0.10444	0.024	-0.07563	0.10262	-0.0981169	0.03403	-0.27934	8.09E-10
0.13373	-0.18579	5.36E-05	-0.11603	0.0121	-0.0880145	0.05735	-0.10869	0.0188
0.34108	-0.28407	4.06E-10	-0.13874	0.00266	0.00041858	0.9928	0.025274	0.58589
0.00195	0.006341	0.8913	-0.03006	0.51692	0.02840683	0.5403	0.000558	0.99041
0.348	-0.29829	4.73E-11	-0.1994	1.42E-05	0.0004432	0.99238	0.079273	0.08704
0.06959	-0.31374	3.98E-12	-0.1132	0.01439	0.02159143	0.64165	0.020743	0.6548
0.21281	-0.18825	4.24E-05	-0.10918	0.01827	0.02151174	0.64288	0.001602	0.97245
0.12462	-0.18987	3.63E-05	-0.11813	0.01062	0.02422508	0.60154	0.025633	0.58058
0.00231	0.248885	5.04E-08	0.255724	2.08E-08	0.11751066	0.01104	0.133573	0.00383
0.78028	-0.28869	2.05E-10	-0.18874	4.05E-05	-0.0045676	0.92158	0.046907	0.31177
0.52176	0.306825	1.23E-11	0.129078	0.00521	-0.2141427	3.02E-06	-0.17604	0.00013
0.40385	-0.25608	1.99E-08	-0.13793	0.00282	0.04627168	0.31838	0.07174	0.12158
5.27E-06	-0.15655	0.00069	-0.03497	0.45089	0.14713999	0.00143	0.081919	0.07698
0.0074	-0.41161	1.60E-20	-0.23013	4.97E-07	-0.0073333	0.87442	-0.01836	0.69238
0.00152	-0.1829	7.02E-05	-0.14148	0.00218	0.01179675	0.7993	0.241582	1.26E-07
0.63601	-0.22532	8.68E-07	-0.18585	5.33E-05	0.09358145	0.04325	0.18061	8.68E-05
0.40297	-0.1704	0.00022	-0.08869	0.05546	0.15769855	0.00063	0.198889	1.49E-05
0.4503	-0.14565	0.0016	-0.26345	7.45E-09	-0.1011842	0.02879	0.010091	0.82783
1.40E-10	-0.16654	0.0003	-0.25338	2.83E-08	-0.03859	0.4054	0.101035	0.02903
0.00094	0.021132	0.64876	0.321284	1.13E-12	0.06283208	0.17525	0.060518	0.19172
0.38777	0.045617	0.32528	-0.0503	0.27804	0.08843838	0.05616	0.332899	1.51E-13
0.15074	-0.08062	0.08179	-0.14697	0.00145	0.04545688	0.32698	0.164368	0.00036
0.9454	-0.16798	0.00027	-0.08803	0.0573	0.04174132	0.36811	0.100974	0.02912
0.85979	-0.24354	9.87E-08	-0.03212	0.48863	0.11964444	0.00966	0.167473	0.00028
1.56E-07	-0.13348	0.00386	-0.15748	0.00064	-0.097271	0.03561	-0.00975	0.8336
0.26378	-0.27544	1.41E-09	-0.32667	4.49E-13	-0.0961844	0.03773	-0.1065	0.02135
0.49544	-0.02968	0.52223	-0.03232	0.48595	-0.0082456	0.85895	-0.02563	0.5806
0.00054	-0.15484	0.00079	0.055286	0.23308	0.14218607	0.00207	0.10588	0.02211
0.79858	-0.05454	0.23944	-0.27686	1.15E-09	-0.2096668	4.88E-06	-0.10758	0.02005
0.20876	-0.02853	0.53855	-0.16987	0.00023	-0.1708937	0.00021	-0.21089	4.29E-06
0.2093	0.026866	0.56251	0.07882	0.08887	0.03937384	0.39592	0.010778	0.8163
0.17837	-0.20809	5.77E-06	-0.08181	0.07737	0.09048744	0.05068	0.120599	0.00909
0.12947	-0.24795	5.67E-08	-0.1661	0.00031	0.06208916	0.18042	0.209066	5.21E-06
0.09888	-0.06945	0.13399	-0.23961	1.60E-07	-0.1200441	0.00941	-0.06818	0.14126
0.88841	-0.15471	0.00079	-0.15273	0.00093	0.21274687	3.51E-06	0.331957	1.78E-13

0.00069	-0.04342	0.34916	0.097045	0.03604	0.02762436	0.55152	-0.0736	0.11221
0.07057	-0.04381	0.34483	-0.15525	0.00076	-0.1206051	0.00908	-0.04242	0.36042
0.73829	-0.22577	8.24E-07	-0.18819	4.27E-05	-0.0948654	0.04044	-0.13665	0.00309
0.0245	-0.12817	0.00554	-0.12317	0.00771	0.03621734	0.43491	0.058638	0.20592
0.79278	-0.03597	0.43808	-0.10721	0.02048	-0.0360374	0.43719	-0.13454	0.00358
0.24911	-0.12616	0.00634	0.000784	0.98652	-0.0581356	0.20984	-0.18845	4.16E-05
0.15646	-0.14998	0.00115	0.049832	0.28252	-0.0255112	0.58238	-0.24132	1.30E-07
0.18125	-0.28567	3.21E-10	-0.1543	0.00082	0.01302403	0.77893	-0.05124	0.26909
0.10158	0.259549	1.26E-08	0.123377	0.0076	-0.067997	0.14232	-0.13342	0.00387
2.65E-05	0.0134	0.77273	0.058179	0.20949	0.10632443	0.02156	0.185978	5.26E-05
0.35751	-0.18971	3.69E-05	0.009222	0.84246	0.29104384	1.44E-10	0.434652	6.07E-23
0.20907	-0.06702	0.14814	0.037991	0.41274	0.28882154	2.01E-10	0.377599	2.84E-17
0.83153	-0.16362	0.00038	-0.0793	0.08692	0.1428221	0.00197	0.132416	0.00415
0.09067	-0.21622	2.41E-06	-0.13202	0.00427	0.01693411	0.71512	0.022043	0.6347
0.03586	-0.1412	0.00222	0.154669	0.0008	0.41640879	5.20E-21	0.396716	4.72E-19
0.01158	-0.30076	3.21E-11	-0.33408	1.22E-13	-0.0938975	0.04254	0.052342	0.25895
0.48387	-0.18832	4.21E-05	-0.14335	0.0019	-0.0527038	0.25567	-0.12059	0.0091
3.97E-06	-0.09119	0.04891	-0.06555	0.1573	-0.0787408	0.08919	-0.12598	0.00641
0.75114	-0.09882	0.03276	-0.03849	0.40668	0.09753431	0.03511	0.177684	0.00011
0.05507	0.073136	0.11448	0.1264	0.00623	0.1863781	5.07E-05	0.232138	3.93E-07
0.94605	-0.08601	0.06328	-0.10158	0.02816	0.01684789	0.7165	0.125983	0.00641
0.76422	-0.08116	0.07975	0.042361	0.36104	0.49368185	4.63E-30	0.514842	5.72E-33
0.32025	-0.21114	4.17E-06	-0.11945	0.00977	-0.0075481	0.87077	0.041426	0.37174
0.03744	-0.33631	8.21E-14	-0.23837	1.86E-07	-0.0961871	0.03772	-0.01023	0.82553
0.7885	-0.1251	0.00679	-0.15518	0.00077	-0.0329264	0.47781	-0.01499	0.74659
0.4818	-0.14312	0.00193	-0.11828	0.01052	-0.0321989	0.48759	0.020316	0.66145
0.10337	-0.24062	1.41E-07	-0.16506	0.00034	-0.0610126	0.18811	-0.03972	0.39176
4.33E-05	0.116251	0.01194	0.155658	0.00074	0.10750094	0.02015	0.041435	0.37165
0.03042	-0.12629	0.00628	-0.02732	0.55585	0.03758153	0.41779	0.062184	0.17976
5.54E-09	-0.18401	6.33E-05	-0.07437	0.1085	0.11318823	0.01439	0.206712	6.67E-06
0.83791	-0.22389	1.02E-06	-0.1747	0.00015	-0.0983625	0.03358	0.014839	0.7491
0.63151	-0.09938	0.03178	-0.05993	0.19609	-0.2237437	1.04E-06	-0.12452	0.00706
0.40196	-0.27931	8.13E-10	-0.20558	7.51E-06	-0.093822	0.04271	-0.05338	0.24966
0.46275	-0.06816	0.14136	-0.04929	0.28781	0.02863928	0.53699	0.02079	0.65407
0.45102	0.232762	3.65E-07	0.049552	0.28525	-0.1179222	0.01076	0.001292	0.97779
0.8835	-0.12394	0.00733	-0.12446	0.00708	0.12398981	0.0073	0.276977	1.14E-09
0.62738	0.134449	0.0036	0.159308	0.00055	0.17401396	0.00016	0.248438	5.33E-08
0.00483	-0.17297	0.00017	-0.19201	2.95E-05	-0.0674904	0.14533	-0.00405	0.93037
0.00381	0.132429	0.00415	0.129848	0.00495	-0.0420209	0.36491	0.029196	0.5291
0.76394	-0.21354	3.22E-06	-0.03008	0.51669	0.19169952	3.04E-05	0.099372	0.03179
0.82773	-0.01141	0.80572	-0.03047	0.51127	-0.17477	0.00015	-0.2414	1.28E-07
0.00297	-0.20122	1.18E-05	-0.18188	7.72E-05	-0.03482	0.45285	-0.12511	0.00679
0.739	-0.25464	2.40E-08	-0.17578	0.00013	-0.009839	0.83206	0.036459	0.43185
0.57716	-0.21391	3.09E-06	-0.22277	1.16E-06	-0.177913	0.00011	-0.09232	0.04616
0.01564	-0.03952	0.39416	0.145839	0.00158	0.26443882	6.52E-09	0.344009	2.03E-14

0.58693	-0.29749	5.35E-11	-0.16614	0.00031	-0.0042319	0.92733	-0.03101	0.5038
0.82662	-0.0117	0.80087	0.030506	0.51078	0.05006406	0.28029	-0.09029	0.05117
0.06677	-0.21555	2.59E-06	-0.14088	0.00228	-0.0861754	0.06278	-0.1339	0.00375
0.50935	-0.13363	0.00382	-0.15291	0.00092	-0.0492209	0.28848	-0.06507	0.16037
1.10E-05	-0.12569	0.00653	-0.0282	0.54319	0.14405307	0.0018	0.213021	3.41E-06
0.32196	-0.27052	2.82E-09	-0.42427	7.90E-22	-0.4143378	8.47E-21	-0.38473	6.35E-18
0.06983	0.255718	2.09E-08	0.202232	1.06E-05	0.23099088	4.49E-07	0.105347	0.0228
0.04107	-0.04883	0.29229	-0.00869	0.85141	0.00269994	0.9536	-0.09648	0.03714
0.13258	-0.20374	9.09E-06	-0.36971	1.43E-16	-0.0997155	0.0312	0.098826	0.03275
0.74671	-0.08659	0.06154	-0.05257	0.25685	0.03907658	0.3995	0.055019	0.23536
0.68309	-0.04744	0.30632	-0.11643	0.01181	-0.0801824	0.08347	-0.06069	0.19048
0.26257	-0.28936	1.85E-10	-0.21241	3.64E-06	-0.0729716	0.1153	-0.07604	0.10076
0.10122	-0.223	1.13E-06	-0.19612	1.97E-05	0.04710962	0.30968	0.177003	0.00012
0.15625	-0.03373	0.46709	-0.27172	2.39E-09	-0.2182764	1.92E-06	-0.16916	0.00024
0.84141	-0.29179	1.28E-10	-0.17128	0.0002	-0.0363018	0.43384	-0.01172	0.80064
0.78098	-0.30281	2.33E-11	-0.27398	1.74E-09	-0.1532706	0.00089	-0.13287	0.00402
0.24682	-0.28551	3.29E-10	-0.32549	5.50E-13	-0.1913982	3.13E-05	-0.26486	6.15E-09
0.07442	-0.2688	3.59E-09	-0.14194	0.00211	0.01606636	0.72913	0.05568	0.22977
0.72252	0.170508	0.00021	0.128575	0.00539	0.06580382	0.15568	-0.01446	0.75534
0.98098	-0.17906	1.00E-04	-0.15784	0.00062	-0.0895695	0.05307	-0.12168	0.00848
0.00164	-0.02058	0.65728	0.023866	0.60695	0.13081513	0.00463	0.064098	0.1667
0.11785	-0.32023	1.35E-12	-0.20465	8.27E-06	-0.0760068	0.1009	-0.0835	0.07143
0.12605	0.131073	0.00455	0.042384	0.36078	-0.0098936	0.83114	-0.02806	0.54521
0.46868	0.083387	0.07181	-0.02959	0.52354	0.00099616	0.98287	-0.07139	0.1234
0.04046	0.066378	0.15209	-0.12034	0.00924	-0.4081451	3.57E-20	-0.3638	4.64E-16
0.72191	-0.28869	2.05E-10	-0.21302	3.41E-06	-0.0570274	0.21867	-0.0716	0.12233
0.03655	-0.27246	2.16E-09	0.049351	0.2872	0.35327951	3.57E-15	0.350023	6.62E-15
0.48566	-0.04203	0.36486	-0.02339	0.61412	-0.0110812	0.81124	-0.00779	0.86673
0.31551	0.035676	0.44181	0.092658	0.04536	0.20547349	7.60E-06	0.104562	0.02384
0.00225	-0.17256	0.00018	-0.08233	0.07551	-0.0264618	0.5684	-0.01217	0.79309
0.04831	-0.0853	0.0655	-0.08021	0.08335	-0.068139	0.14149	-0.11539	0.01259
0.33827	-0.27884	8.69E-10	-0.187	4.78E-05	-0.066107	0.15378	-0.01537	0.74047
0.01722	-0.26732	4.40E-09	-0.18326	6.79E-05	-0.0538725	0.24527	-0.16203	0.00044
0.85441	-0.0373	0.42126	-0.0785	0.0902	0.01589266	0.73194	0.095323	0.03948
0.1703	-0.20495	8.02E-06	-0.11466	0.01316	-0.0421146	0.36384	0.019828	0.66911
0.08413	0.106829	0.02094	-0.02176	0.63909	-0.0353686	0.44575	0.138216	0.00276
0.9243	-0.1188	0.01018	-0.16981	0.00023	-0.1201852	0.00933	-0.04127	0.37351
0.08208	-0.26857	3.70E-09	-0.1777	0.00011	-0.0875436	0.05871	-0.08086	0.0809
0.70208	-0.20172	1.12E-05	-0.21964	1.65E-06	-0.1060756	0.02187	-0.05873	0.20523
0.20378	-0.33991	4.29E-14	-0.16808	0.00026	0.04109342	0.3756	0.078086	0.09189
0.30131	-0.20953	4.95E-06	-0.10083	0.02935	0.02903565	0.53137	0.062728	0.17597
0.08669	-0.11721	0.01125	-0.17584	0.00013	-0.0804007	0.08263	0.081069	0.0801
0.33322	-0.23765	2.03E-07	-0.26586	5.37E-09	0.0251577	0.58762	0.167067	0.00029
2.03E-06	0.29632	6.42E-11	0.238144	1.91E-07	0.12459074	0.00702	0.064388	0.16478
0.07498	-0.16057	0.0005	-0.10671	0.02108	0.00111174	0.98088	0.05528	0.23314

0.3788	0.069203	0.13536	0.066626	0.15056	-0.0845615	0.06789	-0.08467	0.06753
0.09686	0.129039	0.00523	0.082891	0.07352	-0.1770391	0.00012	-0.15224	0.00097
0.12676	-0.18849	4.15E-05	-0.10732	0.02036	0.03976094	0.39129	0.098707	0.03296
0.10646	-0.23289	3.59E-07	-0.17464	0.00015	-0.0605116	0.19177	-0.02888	0.5336
0.19351	-0.00855	0.85383	-0.04539	0.32775	0.08052726	0.08215	0.238613	1.81E-07
0.68758	-0.1257	0.00653	-0.08507	0.06624	0.01278444	0.7829	0.087907	0.05766
0.53292	-0.12234	0.00813	-0.04707	0.31005	-0.0897099	0.0527	-0.14659	0.00149
0.4901	-0.24946	4.68E-08	-0.17624	0.00013	0.023186	0.61723	-0.01913	0.68011
0.01214	-0.1642	0.00037	-0.06158	0.18402	-0.0209825	0.65107	0.002143	0.96317
0.60639	-0.25141	3.65E-08	-0.14134	0.0022	-0.0305071	0.51076	-0.03832	0.40866
0.70661	-0.31988	1.43E-12	-0.16541	0.00033	-0.0300038	0.51776	-0.06475	0.16244
0.18466	0.18873	4.05E-05	0.054986	0.23563	-0.0866241	0.06142	-0.05039	0.27712
0.19104	-0.11434	0.01342	-0.10172	0.02795	-0.1540582	0.00084	-0.17158	0.00019
0.00387	-0.41921	2.67E-21	-0.17138	0.0002	0.01881696	0.68505	-0.04623	0.31881
0.6713	0.269782	3.13E-09	0.102577	0.02665	0.05167283	0.2651	0.080374	0.08273
0.90871	0.17004	0.00022	0.11325	0.01434	0.1576103	0.00063	0.107451	0.0202
0.03206	-0.002	0.96555	0.027762	0.54954	0.02669599	0.56498	0.047172	0.30904
0.00085	0.100314	0.0302	0.113698	0.01395	0.11334593	0.01426	0.158938	0.00057
0.00143	0.004617	0.92074	0.122851	0.00787	0.10290747	0.02616	0.111171	0.01624
0.95862	-0.07261	0.1171	-0.11531	0.01265	-0.0234838	0.61272	0.008858	0.84859
0.21665	0.002202	0.96215	0.001904	0.96728	-0.0465327	0.31565	-0.07365	0.11195
0.79604	-0.25933	1.30E-08	-0.17147	0.0002	-0.1373286	0.00294	-0.21865	1.84E-06
0.99113	-0.27114	2.59E-09	-0.21788	2.00E-06	0.04268604	0.35736	0.230427	4.80E-07
0.46812	-0.22336	1.08E-06	-0.15368	0.00086	-0.0827913	0.07387	-0.03283	0.47907
0.6132	-0.19442	2.33E-05	-0.07834	0.09082	0.22927346	5.49E-07	0.067756	0.14375
0.11764	-0.16196	0.00044	-0.11294	0.01461	-0.0028096	0.95172	0.084842	0.06697
0.3669	-0.107	0.02074	-0.24363	9.75E-08	-0.1191592	0.00996	-0.06215	0.18
0.05978	-0.30063	3.28E-11	-0.18292	7.01E-05	-0.0915089	0.04811	-0.12355	0.00752
0.4304	-0.37459	5.28E-17	-0.23386	3.20E-07	-0.0623545	0.17856	-0.07295	0.11542
0.68621	-0.12066	0.00905	-0.13732	0.00294	-0.3143803	3.58E-12	-0.33297	1.49E-13
0.86225	-0.29569	7.07E-11	-0.15451	0.00081	0.11876826	0.0102	0.274888	1.53E-09
0.13944	0.048569	0.29492	0.107118	0.0206	0.07377762	0.11133	0.103459	0.02537
0.84149	-0.36647	2.73E-16	-0.21919	1.73E-06	-0.0148048	0.74966	-0.02095	0.65153
0.98299	-0.15188	0.00099	0.012743	0.78359	0.18204978	7.60E-05	0.224208	9.85E-07
0.04459	-0.21159	3.98E-06	-0.1536	0.00087	-0.0288938	0.53338	-0.08059	0.08192
0.16849	0.07241	0.11813	0.038162	0.41063	0.06513123	0.15996	0.143116	0.00193
0.04345	-0.24533	7.88E-08	-0.17013	0.00022	-0.0242617	0.60099	-0.00805	0.86222
0.47097	0.428822	2.59E-22	0.213351	3.29E-06	0.20381584	9.02E-06	0.3788	2.21E-17
0.87688	-0.03263	0.48179	-0.02912	0.53019	0.06267945	0.17631	0.151441	0.00103
0.00012	-0.10104	0.02902	-0.17349	0.00016	0.02027489	0.6621	0.248845	5.06E-08
0.09061	-0.16905	0.00024	-0.13411	0.00369	-0.0783627	0.09074	-0.1444	0.00176
0.0016	-0.18695	4.80E-05	-0.21292	3.45E-06	-0.2460345	7.22E-08	-0.26562	5.55E-09
0.7434	-0.01386	0.76521	-0.08044	0.08248	-0.0878258	0.05789	-0.15666	0.00068
0.00133	-0.08497	0.06655	-0.11895	0.01009	-0.1760114	0.00013	-0.06239	0.17835
0.50382	-0.36069	8.54E-16	-0.29846	4.61E-11	-0.0736125	0.11213	-0.07349	0.11272

0.00158	-0.35754	1.58E-15	-0.2215	1.34E-06	-0.014096	0.76127	0.054501	0.2398
0.09302	-0.10927	0.01817	-0.10365	0.0251	-0.015115	0.74459	0.078502	0.09017
0.84301	-0.22026	1.54E-06	-0.1721	0.00019	0.04025331	0.38545	0.178438	0.00011
0.66285	-0.24244	1.13E-07	-0.32049	1.29E-12	-0.0729489	0.11542	0.028965	0.53237
0.09683	-0.07918	0.08742	-0.23714	2.16E-07	-0.3105333	6.74E-12	-0.42031	2.05E-21
0.00017	-0.10403	0.02456	0.05534	0.23263	-0.0291165	0.53023	0.030204	0.51498
0.93307	-0.10081	0.02938	-0.23344	3.36E-07	-0.0050665	0.91305	0.174569	0.00015
0.2029	-0.27901	8.49E-10	-0.16161	0.00045	-0.0469829	0.31099	-0.03928	0.39701
0.15297	-0.23642	2.35E-07	-0.20896	5.26E-06	-0.1182081	0.01057	-0.10005	0.03064
0.15096	-0.21516	2.70E-06	-0.18799	4.35E-05	0.0385361	0.40606	0.194238	2.37E-05
0.40111	-0.19219	2.90E-05	-0.15106	0.00106	0.07453234	0.10771	0.03394	0.46436
0.40272	-0.28831	2.17E-10	-0.14484	0.0017	-0.0520272	0.26184	-0.10818	0.01937
0.65627	-0.15223	0.00097	-0.3563	2.00E-15	-0.2356406	2.59E-07	-0.29777	5.13E-11
0.21198	-0.35167	4.84E-15	-0.24999	4.38E-08	-0.0609587	0.1885	-0.04259	0.35849
0.90403	-0.17766	0.00011	-0.17882	0.0001	-0.0048457	0.91682	0.078729	0.08924
0.02998	0.013517	0.7708	-0.04069	0.38028	-0.0208517	0.65311	0.063772	0.16888
0.60253	-0.15831	0.0006	-0.15672	0.00068	-0.1300811	0.00487	-0.14583	0.00158
0.12467	-0.18797	4.36E-05	-0.10404	0.02455	0.00143164	0.97539	-0.01488	0.74848
0.08468	-0.24664	6.69E-08	-0.22396	1.01E-06	-0.1572836	0.00065	-0.19682	1.84E-05
0.05411	-0.30599	1.40E-11	-0.17702	0.00012	0.012751	0.78345	0.075754	0.10204
0.40217	0.11467	0.01315	0.162894	0.00041	0.2033365	9.48E-06	0.194366	2.34E-05
0.06287	0.171001	0.0002	0.126261	0.00629	0.39119	1.58E-18	0.358845	1.22E-15
0.00986	-0.27936	8.07E-10	-0.02762	0.55155	0.15532584	0.00076	0.17552	0.00014
0.50666	-0.25375	2.70E-08	-0.12534	0.00669	-0.1072027	0.0205	-0.13472	0.00354
0.05001	-0.25993	1.20E-08	-0.17198	0.00019	-0.0581899	0.20941	-0.04278	0.35629
0.18561	-0.27319	1.95E-09	-0.11122	0.0162	0.00101698	0.98251	-0.02294	0.62097
0.39073	-0.07434	0.10864	-0.09473	0.04074	-0.0607549	0.18999	0.005854	0.89961
0.36888	0.101469	0.02834	0.019837	0.66896	0.00676104	0.88414	0.069348	0.13455
0.65281	-0.03712	0.42351	-0.0221	0.63377	-0.0097654	0.8333	-0.1226	0.00799
3.06E-05	-0.05908	0.20252	0.047536	0.30532	0.01419504	0.75964	0.077585	0.094
0.02107	-0.22145	1.35E-06	-0.13325	0.00392	-0.1465235	0.0015	-0.18058	8.70E-05
0.93585	-0.08709	0.06003	-0.05772	0.21316	0.03052106	0.51057	0.056214	0.22532
0.93758	0.570745	1.02E-41	0.344407	1.88E-14	0.06946765	0.13387	-0.02017	0.66371
0.21164	-0.14346	0.00188	-0.11657	0.0117	0.07226137	0.11889	0.005308	0.90892
0.27293	-0.31962	1.50E-12	-0.20559	7.51E-06	-0.0185808	0.68879	0.007455	0.87235
0.9837	-0.34918	7.75E-15	-0.24052	1.43E-07	-0.0269567	0.56118	-0.03562	0.4425
0.17193	-0.18821	4.26E-05	0.024775	0.59331	0.32902952	2.98E-13	0.252754	3.07E-08
0.00435	-0.40373	9.81E-20	-0.20698	6.49E-06	0.18926913	3.85E-05	0.277181	1.10E-09
3.37E-06	-0.25776	1.60E-08	-0.00774	0.8675	0.1381895	0.00277	0.100039	0.03066
0.11138	-0.20462	8.30E-06	-0.05431	0.24144	0.08964565	0.05287	0.15463	0.0008
0.10606	-0.02055	0.65783	-0.08466	0.06757	0.00285329	0.95097	-0.00201	0.9654
0.65143	0.065282	0.15899	0.033296	0.47288	0.14012439	0.00241	0.256417	1.90E-08
0.00839	-0.30008	3.58E-11	-0.23104	4.47E-07	-0.0883453	0.05642	-0.09719	0.03577
0.00508	-0.12945	0.00508	-0.09119	0.04891	-9.44E-05	0.99838	-0.03719	0.4227
9.76E-06	-0.06177	0.1827	-0.13569	0.0033	-0.0462791	0.3183	-0.09	0.05194



0.44271	0.013239	0.77538	-0.07898	0.08824	0.10913257	0.01832	0.137237	0.00296
0.06848	0.199962	1.34E-05	0.161678	0.00045	0.21462908	2.86E-06	0.308412	9.51E-12
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0.67516	0.093281	0.04392	-0.17201	0.00019	-0.0330339	0.47637	0.189849	3.64E-05
0.83882	0.088663	0.05553	0.06164	0.1836	-0.0476489	0.30417	-0.1295	0.00506
0.5738	-0.06451	0.164	-0.05693	0.21946	0.03097316	0.50432	0.162442	0.00042
0.65677	-0.24007	1.51E-07	-0.19956	1.39E-05	0.0275831	0.55212	0.024886	0.59167
0.02899	-0.12023	0.00931	-0.03108	0.5028	-0.1606166	0.00049	-0.08162	0.07805
0.23369	-0.23176	4.10E-07	-0.19669	1.86E-05	0.00119258	0.97949	0.072883	0.11574
0.73392	0.071174	0.12456	0.092156	0.04655	-0.1889487	3.97E-05	-0.02671	0.56481
0.80771	-0.25486	2.33E-08	-0.19543	2.11E-05	-0.0128239	0.78224	0.073192	0.11421
0.3283	-0.21228	3.69E-06	-0.13063	0.00469	-0.1259067	0.00644	-0.11257	0.01493
0.53392	-0.23627	2.40E-07	-0.12329	0.00764	0.05949166	0.19938	0.047387	0.30684
0.20024	-0.28327	4.57E-10	-0.11992	0.00949	0.02349079	0.61261	0.017108	0.71232
0.4272	-0.22272	1.17E-06	-0.11184	0.0156	-0.0257467	0.5789	-0.00786	0.86553
0.06084	-0.13304	0.00398	-0.19323	2.62E-05	0.01478059	0.75005	0.192085	2.93E-05
0.57555	-0.28625	2.94E-10	-0.18442	6.09E-05	-0.0410427	0.37619	-0.01738	0.70799
0.33012	-0.42555	5.78E-22	-0.20752	6.13E-06	0.01947381	0.67467	0.08996	0.05204
0.68754	-0.255	2.29E-08	-0.11829	0.01051	0.08124947	0.07943	0.109749	0.01767
0.43359	-0.26919	3.40E-09	-0.33018	2.43E-13	-0.037749	0.41572	0.12172	0.00846
0.96192	-0.23029	4.88E-07	-0.27226	2.21E-09	-0.0462528	0.31858	0.062765	0.17571
0.80639	-0.29463	8.32E-11	-0.20527	7.75E-06	-0.0501499	0.27946	-0.05908	0.20248
0.29984	-0.27982	7.55E-10	-0.16263	0.00042	-0.0095419	0.83706	-0.05807	0.21037
2.94E-05	-0.17905	0.0001	-0.08308	0.07286	0.09432332	0.04161	0.171823	0.00019
0.16977	-0.25818	1.51E-08	-0.23092	4.53E-07	-0.1910949	3.23E-05	-0.23969	1.58E-07
0.8508	-0.18897	3.96E-05	-0.08224	0.0758	0.06079833	0.18967	0.045884	0.32246
0.20214	-0.04382	0.34474	0.008957	0.84692	-0.0777369	0.09336	-0.12006	0.0094
0.2091	-0.11642	0.01181	-0.10422	0.02431	-0.0258185	0.57784	-0.04421	0.34041
4.88E-15	-0.20928	5.09E-06	-0.11695	0.01143	0.10179006	0.02784	0.186216	5.15E-05
0.64636	0.014007	0.76273	0.158249	0.0006	0.31397806	3.83E-12	0.218924	1.78E-06
0.00098	-0.06266	0.17643	0.063087	0.17351	0.15380888	0.00085	0.166448	0.0003
0.31194	-0.10523	0.02295	-0.18193	7.68E-05	-0.0576917	0.21334	-0.0422	0.36287
0.00885	-0.12071	0.00903	-0.02058	0.6573	0.11353498	0.01409	0.078815	0.08889
0.55102	-0.04828	0.29783	-0.02725	0.55692	0.13378859	0.00377	0.150605	0.0011
0.32292	-0.0992	0.03209	-0.23037	4.83E-07	-0.0315667	0.49619	0.106727	0.02107
0.03099	0.061383	0.18544	0.094627	0.04095	0.0183662	0.6922	0.086811	0.06086
0.02465	-0.05902	0.20298	-0.29137	1.37E-10	-0.0187056	0.68681	0.185183	5.67E-05
0.06396	-0.20867	5.43E-06	-0.14519	0.00166	0.03570418	0.44145	0.016052	0.72936
0.32795	0.043602	0.34713	0.10362	0.02514	0.32698689	4.25E-13	0.450389	1.04E-24
0.24976	-0.18441	6.10E-05	0.019845	0.66883	0.02112164	0.64891	0.113988	0.01371
0.96892	-0.35034	6.23E-15	-0.18536	5.58E-05	0.05208498	0.2613	0.041012	0.37655
0.31376	0.201788	1.11E-05	0.053824	0.2457	0.03198952	0.49043	-0.01871	0.68682
0.11192	-0.15376	0.00086	-0.24156	1.26E-07	-0.1018447	0.02776	-0.04952	0.28553
0.2968	-0.02519	0.58708	-0.04321	0.35145	0.15265621	0.00093	0.318915	1.68E-12
0.05243	-0.09664	0.03682	-0.09674	0.03664	0.11102674	0.01638	0.224463	9.57E-07

0.10786	0.035234	0.44748	0.023892	0.60656	0.13014174	0.00485	0.210917	4.27E-06
0.56827	-0.09151	0.04811	-0.10922	0.01823	0.00379139	0.93487	0.104961	0.0233
0.1692	-0.1734	0.00017	-0.17033	0.00022	-0.1232533	0.00766	-0.08139	0.07891
0.94498	-0.08022	0.08332	0.055427	0.2319	0.24415759	9.13E-08	0.237579	2.05E-07
0.88339	-0.17518	0.00014	-0.01191	0.7974	0.28268805	4.98E-10	0.159495	0.00054
0.34572	-0.18455	6.02E-05	-0.16623	0.00031	0.05663415	0.22187	0.168776	0.00025
0.00094	-0.33282	1.53E-13	-0.40062	1.98E-19	-0.0636436	0.16973	0.02275	0.62387
0.00395	-0.32505	5.93E-13	-0.22987	5.13E-07	0.02973206	0.52156	0.016242	0.72628
0.87397	-0.27913	8.34E-10	-0.37571	4.19E-17	-0.1029652	0.02608	-0.09145	0.04825
0.00022	0.013354	0.77348	0.007179	0.87704	-0.0322182	0.48733	-0.06605	0.15416
0.20858	-0.2168	2.26E-06	-0.10751	0.02013	-0.1769386	0.00012	-0.38807	3.11E-18
0.11402	0.013445	0.77198	-0.1026	0.02661	-0.1766628	0.00012	-0.22726	6.94E-07
0.53987	-0.17165	0.00019	-0.25016	4.28E-08	-0.1197993	0.00956	-0.05523	0.23357
0.66147	-0.10267	0.02652	0.022107	0.63371	0.2008684	1.22E-05	0.110948	0.01646
0.39117	-0.12664	0.00613	-0.0984	0.03351	-0.0007234	0.98756	0.067902	0.14288
0.00382	0.037025	0.42473	-0.04922	0.28845	-0.0929744	0.04463	-0.04033	0.3846
0.11475	-0.21786	2.01E-06	-0.11963	0.00967	0.01836936	0.69215	0.032723	0.48054
0.15598	-0.28244	5.16E-10	-0.08179	0.07745	0.07280001	0.11616	0.110906	0.0165
0.73439	-0.04601	0.32112	-0.04707	0.31005	0.00247855	0.9574	-0.0072	0.87668
0.75327	-0.26603	5.25E-09	-0.12584	0.00647	0.01633963	0.7247	-0.11073	0.01667
0.01568	0.125999	0.0064	-0.0526	0.25664	0.1875455	4.54E-05	0.393229	1.02E-18
0.84092	-0.12867	0.00536	-0.13445	0.0036	-0.0708812	0.12612	-0.04418	0.34075
0.32332	-0.19727	1.76E-05	-0.15495	0.00078	-0.0394177	0.3954	-0.02003	0.66589
1.43E-13	-0.09617	0.03775	-0.06948	0.13382	-0.0067492	0.88435	0.008288	0.85822
0.52245	0.009027	0.84575	0.124195	0.00721	0.0782656	0.09114	-0.11402	0.01369
1.73E-06	-0.40732	4.32E-20	-0.47476	1.26E-27	-0.0711844	0.12451	0.030608	0.50936
0.22527	-0.00431	0.92597	0.173183	0.00017	0.18998132	3.59E-05	0.095347	0.03943
0.77602	-0.15057	0.0011	-0.07731	0.09518	-0.0020626	0.96454	0.050279	0.27822
0.39683	0.018242	0.69419	-0.01896	0.68283	-0.0062681	0.89254	0.041541	0.37042
0.19053	-0.14694	0.00145	-0.17019	0.00022	-0.1636655	0.00038	-0.16245	0.00042
0.21371	-0.29472	8.20E-11	-0.27657	1.20E-09	-0.1011768	0.0288	-0.00243	0.95819
0.26634	-0.10806	0.0195	-0.18424	6.20E-05	-0.0608016	0.18965	0.026776	0.56381
0.00183	-0.05623	0.22517	-0.04308	0.35293	0.07201166	0.12018	0.157819	0.00062
0.28478	-0.17645	0.00013	-0.13918	0.00258	0.03269346	0.48093	0.109021	0.01844
0.0106	-0.1016	0.02814	-0.23589	2.51E-07	-0.0470882	0.30991	0.132368	0.00416
0.33934	-0.08041	0.08261	-0.16052	0.0005	-0.0198321	0.66904	0.150559	0.0011
0.05852	-0.15251	0.00095	-0.14914	0.00123	0.02300621	0.61996	0.150528	0.0011
0.28563	-0.16446	0.00036	-0.31743	2.16E-12	-0.1458182	0.00158	-0.09387	0.0426
8.71E-05	-0.17215	0.00019	-0.00822	0.85936	0.07947317	0.08625	0.059029	0.2029
8.30E-05	-0.09228	0.04625	-0.04834	0.29719	-0.1158825	0.01221	-0.18958	3.74E-05
0.09733	0.042105	0.36395	0.042983	0.35402	0.22681964	7.30E-07	0.245329	7.89E-08
0.27322	-0.20239	1.05E-05	-0.05803	0.21065	0.05338652	0.24956	0.055121	0.23448
0.00019	-0.08572	0.06417	0.068098	0.14173	0.38022463	1.64E-17	0.242536	1.12E-07
0.52933	-0.14742	0.0014	-0.17902	0.0001	0.04500307	0.33184	0.218286	1.92E-06
4.05E-06	0.167249	0.00028	0.049627	0.28452	0.02577834	0.57843	0.114811	0.01304

0.54114	-0.27657	1.20E-09	-0.18016	9.04E-05	0.07736192	0.09495	0.155667	0.00074
6.08E-05	-0.23986	1.55E-07	-0.03404	0.463	0.04427732	0.33971	0.084394	0.06844
0.52371	-0.33885	5.20E-14	-0.30421	1.87E-11	-0.1935812	2.53E-05	-0.32958	2.70E-13
4.50E-05	-0.34717	1.13E-14	-0.26147	9.74E-09	0.17507187	0.00014	0.129455	0.00508
0.00775	-0.1838	6.46E-05	-0.10529	0.02287	-0.0907402	0.05003	-0.17094	0.00021
0.23873	-0.20091	1.22E-05	-0.14002	0.00242	-0.1441598	0.00179	-0.26766	4.20E-09
0.00353	-0.08035	0.08282	-0.14059	0.00233	-0.0303582	0.51283	0.046202	0.31911
0.07015	-0.15025	0.00113	-0.21272	3.52E-06	-0.0490324	0.29033	-0.13011	0.00486
0.81402	-0.3298	2.60E-13	-0.28239	5.19E-10	-0.0496278	0.28451	-0.05209	0.26129
1.11E-12	-0.26203	9.03E-09	-0.1009	0.02925	0.07154216	0.12262	0.046454	0.31647
0.45789	-0.31389	3.89E-12	-0.25929	1.30E-08	-0.0580973	0.21014	-0.05676	0.22088
0.59779	-0.09942	0.03172	-0.07397	0.11039	-0.0882014	0.05682	-0.13091	0.0046
0.56307	-0.24953	4.64E-08	-0.13288	0.00402	0.07015124	0.13008	0.115702	0.01235
0.39305	-0.13018	0.00484	-0.1411	0.00224	0.08458424	0.06781	0.2306	4.70E-07
0.27533	-0.25184	3.45E-08	-0.22867	5.90E-07	-0.0652562	0.15916	0.012873	0.78143
0.04401	-0.14048	0.00234	-0.06212	0.18024	0.06446964	0.16425	0.060839	0.18938
0.28964	-0.25411	2.57E-08	-0.14459	0.00173	0.07960133	0.08574	0.116537	0.01173
0.03853	-0.20836	5.61E-06	-0.15841	0.00059	0.06815398	0.1414	0.192859	2.72E-05
0.56185	-0.23124	4.36E-07	-0.22173	1.30E-06	-0.0153828	0.74023	0.102931	0.02613
0.35875	-0.16247	0.00042	-0.18247	7.31E-05	0.07786478	0.09282	0.256292	1.93E-08
0.33002	-0.30751	1.10E-11	-0.14054	0.00233	0.08068454	0.08155	0.112264	0.01522
0.28754	-0.30239	2.49E-11	-0.22032	1.53E-06	-0.0518548	0.26342	-0.04441	0.33825
0.9343	-0.30752	1.10E-11	-0.19742	1.73E-05	-0.0140248	0.76244	-0.02048	0.65897
0.70681	-0.09217	0.04652	-0.0715	0.12285	0.14165654	0.00215	0.191756	3.03E-05
0.40212	-0.17522	0.00014	-0.10464	0.02374	-0.0245994	0.59594	-0.04021	0.38596
0.00721	-0.06111	0.18737	-0.15821	0.0006	0.00925949	0.84182	0.205728	7.40E-06
0.19002	-0.04394	0.34343	0.008076	0.86182	0.23753545	2.06E-07	0.414725	7.73E-21
0.79695	-0.03554	0.44354	0.142781	0.00198	0.14015457	0.0024	0.019725	0.67073
0.07727	-0.12228	0.00816	-0.07138	0.12349	-0.0976245	0.03494	-0.12203	0.00829
0.09131	-0.03936	0.3961	-0.17034	0.00022	-0.1260587	0.00638	-0.15234	0.00096
0.04295	0.055663	0.22991	0.134461	0.0036	-0.1755502	0.00014	-0.27776	1.02E-09
0.02779	0.087486	0.05887	-0.0124	0.78925	-0.0225025	0.62765	0.070563	0.12784
0.36169	-0.22373	1.04E-06	-0.11617	0.012	-0.0487466	0.29316	-0.03274	0.48036
0.25822	-0.26834	3.82E-09	-0.13719	0.00297	-0.0056499	0.90308	-0.03699	0.42511
0.63055	-0.19278	2.74E-05	-0.44025	1.47E-23	-0.249758	4.51E-08	-0.254	2.61E-08
0.21675	-0.28403	4.09E-10	-0.19802	1.63E-05	0.00480692	0.91749	0.091567	0.04797
0.00429	-0.28843	2.13E-10	-0.2379	1.97E-07	0.07376241	0.1114	0.060962	0.18848
0.04307	-0.16598	0.00032	-0.1927	2.76E-05	0.06258062	0.17699	0.056647	0.22176
0.00217	-0.2231	1.12E-06	-0.20358	9.24E-06	0.06495295	0.16111	0.068399	0.13997
0.60129	-0.09975	0.03114	-0.05916	0.20191	0.08814549	0.05698	0.044298	0.33948
0.06483	0.113635	0.01401	0.187369	4.61E-05	0.25924677	1.31E-08	0.203982	8.87E-06
0.33464	-0.19867	1.53E-05	-0.19482	2.24E-05	0.11695085	0.01143	0.148077	0.00133
0.97558	-0.22183	1.29E-06	-0.10547	0.02263	0.20215072	1.07E-05	0.368411	1.85E-16
0.02866	-0.04534	0.32825	-0.05637	0.22403	0.03035365	0.51289	0.098328	0.03364
0.31742	-0.16917	0.00024	-0.11616	0.012	-0.0971306	0.03587	-0.04717	0.30906

0.0953	-0.16469	0.00035	-0.12725	0.00589	-0.1150647	0.01284	-0.06816	0.14138
0.66453	-0.24358	9.81E-08	-0.13981	0.00246	0.24312022	1.04E-07	0.435441	4.97E-23
0.11728	-0.00789	0.86505	0.074832	0.1063	0.06214448	0.18003	0.281855	5.62E-10
0.06161	0.271446	2.48E-09	0.347666	1.03E-14	-0.081603	0.07813	-0.15654	0.00069
0.24735	-0.35146	5.04E-15	-0.20305	9.77E-06	-0.0855553	0.0647	-0.06103	0.18797
0.56616	0.075657	0.10248	0.060746	0.19005	-0.1414788	0.00218	-0.19793	1.64E-05
0.74845	-0.10613	0.02181	-0.14364	0.00186	0.1019113	0.02765	0.272142	2.25E-09
0.65868	-0.07369	0.11177	-0.11514	0.01278	-0.1883793	4.19E-05	-0.09135	0.04851
0.43518	-0.04459	0.33628	-0.13167	0.00437	0.19930502	1.43E-05	0.297713	5.17E-11
0.14934	-0.35103	5.47E-15	-0.26302	7.90E-09	0.02787972	0.54785	0.080779	0.08119
0.53715	-0.10037	0.0301	-0.04201	0.36505	0.18322616	6.81E-05	0.329401	2.79E-13
0.00133	-0.0574	0.21564	0.064642	0.16312	0.08507536	0.06622	0.005803	0.90047
0.04115	-0.23786	1.98E-07	-0.29227	1.19E-10	-0.2323896	3.81E-07	-0.21877	1.82E-06
0.08629	-0.13028	0.00481	0.019982	0.66669	-0.1373178	0.00294	-0.12166	0.00849
0.05852	-0.26962	3.20E-09	-0.19655	1.89E-05	0.02111133	0.64907	0.125925	0.00643
0.00012	-0.05235	0.25887	0.035849	0.4396	0.13938807	0.00254	0.084468	0.06819
0.57077	-0.34198	2.94E-14	-0.19187	2.99E-05	-0.0203877	0.66034	0.019731	0.67063
0.3223	-0.18247	7.31E-05	-0.18732	4.64E-05	-0.0882001	0.05683	0.026626	0.566
0.0206	0.174895	0.00015	0.086975	0.06037	0.01662033	0.72017	0.10095	0.02916
0.39411	-0.27496	1.51E-09	-0.21889	1.79E-06	-0.0332582	0.47338	-0.04265	0.35776
0.79631	-0.17168	0.00019	-0.18902	3.94E-05	-0.0284919	0.53909	0.053031	0.25273
0.65946	-0.26682	4.71E-09	-0.17715	0.00012	0.09090821	0.04961	0.18094	8.42E-05
0.14373	-0.18795	4.37E-05	-0.08565	0.06442	0.03228212	0.48647	0.094891	0.04039
0.95218	-0.19924	1.44E-05	-0.22943	5.39E-07	-0.0125269	0.78716	0.07394	0.11054
0.0005	-0.10124	0.0287	-0.087	0.06029	0.09246504	0.04581	0.238705	1.79E-07
0.42961	0.059159	0.20191	0.05848	0.20715	0.02779132	0.54912	0.066168	0.1534
0.00022	-0.20351	9.31E-06	-0.03343	0.47116	-0.1851117	5.71E-05	-0.26818	3.91E-09
0.17982	0.181386	8.08E-05	0.211324	4.09E-06	0.11791277	0.01077	0.088258	0.05666
0.62576	-0.24413	9.16E-08	-0.15961	0.00054	0.02347924	0.61279	0.092691	0.04528
0.08084	-0.09713	0.03588	-0.08738	0.05919	-0.0255221	0.58222	0.019753	0.67029
0.41609	-0.35359	3.37E-15	-0.26359	7.32E-09	-0.3165793	2.49E-12	-0.44732	2.35E-24
0.55303	-0.23834	1.87E-07	-0.15289	0.00092	-0.0321246	0.4886	0.021733	0.63946
0.92994	-0.21121	4.14E-06	-0.0809	0.08072	0.13596428	0.00324	0.171826	0.00019
0.11529	0.05082	0.27308	0.069502	0.13368	0.15088547	0.00107	0.28455	3.79E-10
0.00011	-0.28288	4.83E-10	-0.30079	3.20E-11	-0.045714	0.32425	0.034446	0.45772
0.92077	-0.12244	0.00808	0.005798	0.90056	0.24723996	6.20E-08	0.267204	4.47E-09
1.49E-07	-0.16504	0.00034	-0.15716	0.00065	-0.2628922	8.04E-09	-0.19463	2.28E-05
0.00017	-0.37709	3.15E-17	-0.19271	2.76E-05	0.04545623	0.32699	0.101467	0.02834
5.63E-10	0.11898	0.01007	0.065237	0.15928	0.00214973	0.96305	-0.01939	0.67605
0.70608	-0.15135	0.00104	-0.32906	2.96E-13	-0.1533622	0.00088	-0.21822	1.93E-06
0.00115	-0.00368	0.9368	-0.07152	0.12274	0.00869653	0.85132	0.05653	0.22272
1.28E-10	0.263268	7.64E-09	0.256279	1.94E-08	0.07466307	0.10709	0.018208	0.69472
3.75E-12	0.12008	0.00939	0.162446	0.00042	0.15259984	0.00094	0.194512	2.31E-05
0.99801	-0.06184	0.18217	-0.03509	0.44937	-0.0117367	0.8003	-0.01282	0.78227
0.99676	-0.20201	1.09E-05	-0.08302	0.07307	0.1182199	0.01056	0.001012	0.9826

0.00141	-0.00644	0.88969	-0.08002	0.0841	-0.2375017	2.07E-07	-0.25272	3.08E-08
0.86553	0.126171	0.00633	0.135294	0.0034	0.06716932	0.14726	0.195693	2.05E-05
0.24522	-0.12621	0.00631	-0.00186	0.9681	0.05473195	0.23781	-5.04E-05	0.99913
0.30196	-0.33438	1.16E-13	-0.02203	0.63484	0.33846981	5.57E-14	0.255477	2.15E-08
0.38394	0.006712	0.88498	-0.1029	0.02617	-0.3204372	1.30E-12	-0.20773	6.00E-06
0.01474	-0.04223	0.36251	-0.13977	0.00247	-0.0682907	0.14061	0.041333	0.37282
0.09905	-0.23896	1.73E-07	-0.2474	6.08E-08	-0.0486372	0.29424	-0.05453	0.23952
0.24876	-0.23711	2.17E-07	-0.17374	0.00016	-0.0104651	0.82155	0.080145	0.08361
0.3444	0.037352	0.42065	-0.18744	4.58E-05	-0.0349197	0.45155	0.121431	0.00862
3.83E-05	-0.09328	0.04392	-0.07421	0.10926	0.10807592	0.01948	0.156468	0.00069
0.91436	-0.26294	7.99E-09	-0.15065	0.00109	0.04025101	0.38548	0.100133	0.0305
0.03305	-0.12924	0.00516	-0.06258	0.17701	0.3028299	2.32E-11	0.254755	2.37E-08
0.26643	-0.21472	2.83E-06	0.061881	0.18189	0.38273257	9.69E-18	0.425053	6.52E-22
0.97221	0.007899	0.86482	0.049361	0.28711	0.15104185	0.00106	0.143026	0.00195
0.84145	-0.31845	1.82E-12	-0.20762	6.07E-06	-0.059218	0.20146	-0.06421	0.16599
0.84968	-0.16565	0.00032	-0.24811	5.55E-08	-0.1695308	0.00023	-0.19323	2.62E-05
0.77974	-0.15669	0.00068	0.139227	0.00257	0.22011412	1.56E-06	0.202802	1.00E-05
0.6741	-0.32931	2.84E-13	-0.21858	1.85E-06	-0.0143795	0.75662	-0.02508	0.5888
0.94927	-0.15347	0.00088	-0.13764	0.00288	0.21515694	2.70E-06	0.448098	1.91E-24
0.01008	-0.01323	0.77554	0.054472	0.24005	-0.0356184	0.44255	-0.09129	0.04865
5.91E-09	-0.21783	2.01E-06	-0.14285	0.00197	-0.0607808	0.1898	-0.0916	0.04789
0.26154	-0.08659	0.06154	-0.00343	0.94102	0.15866213	0.00058	0.185413	5.55E-05
0.89185	-0.27732	1.08E-09	-0.22076	1.45E-06	-0.1461557	0.00154	-0.14342	0.00189
0.04464	-0.25845	1.46E-08	-0.28916	1.91E-10	-0.3459258	1.42E-14	-0.2825	5.11E-10
0.33165	0.084926	0.0667	0.049736	0.28345	0.17175108	0.00019	0.339005	5.06E-14
0.83785	-0.31591	2.78E-12	-0.18654	4.99E-05	0.00131627	0.97737	0.055225	0.2336
0.22325	0.135607	0.00332	-0.09573	0.03865	0.09107954	0.04918	0.23788	1.97E-07
1.18E-12	0.282046	5.46E-10	0.210177	4.63E-06	0.19110176	3.22E-05	0.112841	0.0147
0.40835	0.01674	0.71824	-0.15917	0.00056	0.100976	0.02912	0.215306	2.66E-06
0.91284	-0.28608	3.02E-10	-0.19922	1.44E-05	-0.1893773	3.81E-05	-0.12842	0.00545
0.0075	0.133538	0.00384	0.232509	3.76E-07	-0.110526	0.01688	-0.15333	0.00089
0.86762	-0.27129	2.54E-09	-0.22273	1.16E-06	-0.0833485	0.07194	0.028857	0.5339
0.707	-0.27752	1.05E-09	-0.16724	0.00028	-0.0725656	0.11734	-0.02029	0.66184
0.1381	-0.2345	2.97E-07	-0.15105	0.00106	-0.0661842	0.1533	-0.01085	0.81511
0.15556	-0.00465	0.92017	-0.05368	0.24692	0.0287955	0.53477	-0.00732	0.87472
0.23283	-0.08521	0.06579	-0.02232	0.63051	0.02476079	0.59353	0.001367	0.9765
0.03929	-0.09688	0.03635	0.040996	0.37674	0.24224226	1.16E-07	0.210975	4.25E-06
0.71258	-0.31144	5.81E-12	-0.1757	0.00014	-0.0461314	0.31985	-0.05072	0.27398
0.00018	0.036401	0.43257	-0.00906	0.84524	0.04339003	0.34948	0.182806	7.08E-05
0.17865	-0.24297	1.06E-07	-0.22457	9.45E-07	-0.106892	0.02087	-0.05194	0.26262
0.78647	-0.06003	0.19535	-0.11411	0.01361	0.1387103	0.00266	0.375281	4.58E-17
0.01103	0.021329	0.64571	-0.07336	0.11339	0.14096494	0.00226	0.29593	6.81E-11
0.17926	-0.17486	0.00015	-0.03752	0.4186	0.06761168	0.14461	0.082773	0.07394
0.0679	0.178958	0.0001	0.027602	0.55184	-0.1227217	0.00793	-0.04924	0.28833
0.52308	-0.10208	0.0274	0.00704	0.87939	0.26260836	8.35E-09	0.341472	3.23E-14

0.30826	-0.10068	0.02961	-0.16823	0.00026	-0.0918647	0.04725	-0.09042	0.05085
0.26984	0.196089	1.98E-05	0.437539	2.93E-23	0.22689054	7.24E-07	0.027176	0.55799
0.83556	-0.29192	1.26E-10	-0.08288	0.07355	0.05557869	0.23062	-0.02397	0.60536
0.7736	-0.11434	0.01342	-0.05472	0.23793	0.19131911	3.16E-05	0.230417	4.81E-07
0.17734	-0.15015	0.00114	-0.01305	0.77843	0.0029915	0.94859	-0.04286	0.35538
0.90434	-0.22597	8.05E-07	-0.11024	0.01716	0.0593526	0.20044	0.06775	0.14378
0.17471	0.131592	0.00439	-0.19842	1.56E-05	-0.1980618	1.62E-05	0.014062	0.76183
2.18E-12	-0.11297	0.01458	0.088373	0.05634	0.02605004	0.57443	0.093415	0.04362
0.02045	-0.1863	5.11E-05	-0.12394	0.00733	-0.0058	0.90052	0.063141	0.17314
0.49302	-0.08783	0.05788	-0.25652	1.88E-08	-0.2974092	5.42E-11	-0.21233	3.67E-06
2.91E-13	-0.22264	1.18E-06	-0.06343	0.17115	0.27645758	1.22E-09	0.307828	1.04E-11
0.29168	-0.11566	0.01238	-0.13832	0.00274	-0.023246	0.61632	-0.01779	0.70139
0.00083	-0.01436	0.75694	0.021965	0.63589	0.29689928	5.87E-11	0.465692	1.63E-26
0.02282	-0.27132	2.53E-09	-0.1735	0.00016	0.07042693	0.12857	0.185702	5.40E-05
0.43658	-0.1817	7.85E-05	-0.26176	9.35E-09	0.03314077	0.47495	0.192407	2.84E-05
0.69343	-0.09219	0.04647	-0.1839	6.40E-05	-0.0841846	0.06913	-0.03019	0.5152
0.06428	0.119397	0.00981	-0.014	0.76289	-0.0895509	0.05312	-0.06979	0.13206
0.00385	0.115112	0.0128	0.06941	0.1342	0.11399897	0.0137	0.106918	0.02084
0.76975	-0.08289	0.07352	-0.09398	0.04236	-0.0881736	0.0569	-0.11548	0.01252
0.99313	-0.12619	0.00632	-0.05867	0.20569	0.1378993	0.00282	0.056186	0.22556
0.28532	-0.03576	0.44079	-0.05698	0.21902	0.02318292	0.61728	0.064972	0.16098
0.14101	-0.08392	0.07001	-0.04695	0.31134	-0.0417412	0.36811	-0.09712	0.03589
0.08044	-0.00833	0.85754	-0.09097	0.04946	-0.0422486	0.36232	-0.06867	0.13838
0.11615	-0.0404	0.38378	0.183675	6.53E-05	0.05599835	0.22711	-0.04364	0.34669
0.25521	-0.20806	5.79E-06	-0.09155	0.04801	0.10491086	0.02337	0.165585	0.00033
0.84453	-0.02307	0.61906	-0.1589	0.00057	0.05825809	0.20888	0.286454	2.86E-10
0.16657	-0.04447	0.33762	0.025337	0.58495	0.04938241	0.2869	0.209313	5.07E-06
0.00666	0.004032	0.93076	0.023146	0.61784	-0.0481993	0.29861	-0.04127	0.37356
0.25268	-0.20631	6.96E-06	0.013766	0.76669	0.04777685	0.30287	0.064275	0.16553
0.16645	-0.04165	0.36916	0.087735	0.05815	0.05031729	0.27786	-0.07809	0.09186
0.65962	-0.24125	1.31E-07	-0.21602	2.46E-06	0.03389802	0.46491	0.050882	0.27249
0.30265	-0.15504	0.00077	-0.05498	0.23565	0.19717241	1.77E-05	0.355601	2.29E-15
0.97409	0.110197	0.01721	0.190644	3.37E-05	0.29130154	1.38E-10	0.182391	7.36E-05
0.10414	-0.06425	0.1657	-0.01071	0.81752	-0.0750452	0.1053	-0.16954	0.00023
0.50402	-0.31861	1.77E-12	-0.16872	0.00025	0.01321709	0.77574	-0.00973	0.83393
0.95501	-0.15123	0.00104	-0.05648	0.22312	0.09097442	0.04944	-0.01618	0.72723
0.02517	-0.21826	1.92E-06	-0.12504	0.00682	0.09621196	0.03767	0.08108	0.08006
0.20079	-0.20319	9.63E-06	-0.1187	0.01025	-0.0559199	0.22776	-0.08754	0.05871
3.62E-05	-0.0717	0.12177	0.14769	0.00137	0.34072538	3.70E-14	0.2332	3.46E-07
0.02024	-0.26556	5.59E-09	-0.23001	5.04E-07	-0.1041917	0.02434	-0.12128	0.0087
0.06358	-0.03855	0.40589	-0.09968	0.03126	-0.0379691	0.41301	0.035287	0.4468
0.26234	0.061385	0.18542	-0.05179	0.26405	0.02019221	0.66339	0.217704	2.04E-06
0.2985	-0.21626	2.40E-06	-0.13832	0.00274	-0.0153328	0.74104	-0.01603	0.72966
1.48E-06	-0.08944	0.05343	-0.01825	0.69401	0.03776438	0.41553	-0.027	0.56051
5.32E-09	0.032511	0.48339	-0.06221	0.17957	0.04361098	0.34703	0.122476	0.00806

0.254	-0.01411	0.76109	0.065184	0.15961	0.18871411	4.06E-05	0.288503	2.10E-10
0.01838	0.041004	0.37664	0.138401	0.00272	0.13979224	0.00246	0.187475	4.57E-05
0.18073	-0.11958	0.0097	-0.15729	0.00065	-0.0427838	0.35626	0.026709	0.56479
0.19153	-0.00018	0.99684	-0.05427	0.24183	-0.0293879	0.5264	-0.14825	0.00131
0.07957	0.000396	0.99319	-0.02936	0.52673	0.00393331	0.93244	0.097237	0.03567
0.1031	-0.16672	0.0003	0.029492	0.52494	-0.0056163	0.90366	-0.10365	0.0251
0.00716	0.194761	2.25E-05	0.362524	5.96E-16	-0.0555845	0.23057	-0.17617	0.00013
0.89769	-0.13868	0.00267	-0.21998	1.59E-06	-0.1238281	0.00738	-0.21854	1.86E-06
0.85152	-0.11501	0.01288	-0.10028	0.03026	0.06629532	0.15261	0.165201	0.00034
0.46382	-0.01314	0.77707	-0.01009	0.82777	0.05593759	0.22761	0.127083	0.00596
0.97771	-0.07501	0.10545	-0.05749	0.21497	0.0845522	0.06792	0.167186	0.00028
0.66681	-0.08219	0.07601	-0.04845	0.29615	0.14928055	0.00121	0.179886	9.27E-05
0.45682	-0.04648	0.31622	0.014133	0.76065	0.03298955	0.47696	0.099349	0.03183
0.58255	-0.01308	0.77807	0.032703	0.48081	0.08203386	0.07656	0.112676	0.01484
0.42517	-0.01868	0.68722	0.058988	0.20322	0.34950491	7.29E-15	0.288191	2.21E-10
0.75051	-0.23014	4.96E-07	-0.09673	0.03666	0.01460648	0.7529	-0.00465	0.92024
0.00602	-0.09805	0.03414	-0.21056	4.44E-06	-0.0805323	0.08213	-0.04936	0.28712
0.36285	0.161637	0.00045	0.163113	0.0004	0.17599056	0.00013	0.049776	0.28307
0.65119	-0.16204	0.00044	-0.07006	0.13058	0.02721561	0.55743	0.00812	0.86108
0.16667	-0.34739	1.08E-14	-0.20598	7.21E-06	0.10466402	0.0237	0.187479	4.57E-05
0.49591	-0.24405	9.25E-08	-0.14046	0.00235	-0.0493474	0.28724	-0.0754	0.10366
0.00791	0.316008	2.74E-12	0.147157	0.00143	0.06629838	0.15259	0.025848	0.5774
0.0362	-0.35179	4.74E-15	-0.27326	1.93E-09	-0.0966184	0.03687	-0.0882	0.05684
7.65E-05	-0.13239	0.00416	-0.19231	2.87E-05	-0.0187364	0.68633	0.120297	0.00926
0.31869	0.010924	0.81387	-0.00887	0.84831	0.07299294	0.1152	0.052404	0.25839
0.00441	-0.11535	0.01262	-0.18542	5.55E-05	-0.019187	0.6792	0.062449	0.17791
0.91885	-0.00123	0.97889	0.005857	0.89955	0.07238707	0.11825	0.035461	0.44457
0.08758	-0.28762	2.40E-10	-0.12539	0.00666	0.03509331	0.44931	-0.0047	0.91937
0.2093	0.062929	0.17459	0.055856	0.22829	0.1567428	0.00068	0.135556	0.00333
0.0216	-0.32319	8.16E-13	-0.37503	4.82E-17	-0.0638435	0.1684	0.073099	0.11467
0.00015	0.004235	0.92727	0.044306	0.33939	-0.0109453	0.81351	0.034404	0.45827
0.18344	-0.32683	4.36E-13	-0.16264	0.00042	-0.038667	0.40446	-0.01199	0.79603
0.99319	-0.36397	4.48E-16	-0.31942	1.55E-12	-0.1649315	0.00034	-0.0816	0.07815
0.70614	-0.14456	0.00174	-0.20089	1.22E-05	0.01764596	0.70369	0.180337	8.90E-05
0.6733	-0.06454	0.16379	-0.13058	0.00471	-0.0828609	0.07363	-0.0908	0.04989
0.0905	-0.15772	0.00062	-0.12506	0.00681	0.00744442	0.87253	0.001828	0.96857
0.64213	-0.03602	0.43737	-0.05616	0.22574	0.07843869	0.09043	0.09787	0.03448
0.29579	-0.06192	0.18162	-0.2524	3.21E-08	-0.1020157	0.02749	-0.02586	0.57721
1.95E-06	-0.23829	1.88E-07	-0.20064	1.25E-05	-0.1182074	0.01057	-0.11623	0.01195
0.00146	-0.22048	1.50E-06	-0.22272	1.17E-06	-0.000327	0.99438	0.015258	0.74225
3.41E-07	-0.22251	1.19E-06	-0.01118	0.80957	0.29479225	8.12E-11	0.402018	1.44E-19
0.24616	-0.27782	1.01E-09	-0.16991	0.00023	-0.0125574	0.78666	-0.03253	0.48313
0.00169	-0.1948	2.24E-05	-0.1995	1.40E-05	-0.0620666	0.18058	-0.02799	0.54631
6.73E-06	0.014032	0.76233	-0.04851	0.29552	0.19348586	2.55E-05	0.235918	2.50E-07
1.67E-05	-0.02907	0.53084	-0.22351	1.07E-06	0.12238623	0.00811	0.079333	0.0868

0.8732	-0.06679	0.14954	0.043094	0.35278	0.22431614	9.73E-07	0.101669	0.02803
2.03E-05	-0.03234	0.48572	-0.02195	0.63606	0.08615091	0.06286	0.117554	0.01101
0.21327	-0.1741	0.00016	-0.23663	2.30E-07	-0.0813795	0.07895	-0.07973	0.08524
0.12217	0.054433	0.24039	0.029404	0.52618	0.02643746	0.56875	0.03839	0.40785
0.28458	-0.08365	0.07093	-0.28436	3.89E-10	-0.0426123	0.3582	0.011446	0.80514
0.7675	-0.0675	0.14527	-0.13254	0.00412	-0.0072254	0.87625	0.002722	0.95322
0.36514	-0.06693	0.1487	-0.17309	0.00017	-0.0933873	0.04368	-0.11665	0.01164
0.87903	-0.03995	0.38901	-0.11127	0.01614	-0.0343721	0.45868	-0.07304	0.11496
1.84E-08	-0.0883	0.05655	-0.04343	0.34909	-0.0483779	0.29683	-0.07923	0.08721
0.50064	-0.04729	0.3078	0.005565	0.90454	-0.0017319	0.97022	-0.08771	0.05822
0.04535	0.017434	0.70709	0.152714	0.00093	-0.1112827	0.01613	-0.11322	0.01436
0.22697	-0.20894	5.28E-06	-0.4058	6.12E-20	-0.3007302	3.23E-11	-0.31187	5.42E-12
0.23809	-0.37207	8.83E-17	-0.05314	0.25177	0.20855394	5.50E-06	0.192045	2.94E-05
0.54282	-0.21615	2.42E-06	-0.14307	0.00194	0.06779702	0.1435	0.13466	0.00355
0.24844	-0.22714	7.04E-07	-0.32509	5.89E-13	-0.0473235	0.30749	0.120568	0.00911
0.5238	-0.18472	5.93E-05	-0.14409	0.0018	-0.1076075	0.02002	-0.08793	0.0576
0.61651	-0.1414	0.00219	-0.05934	0.20053	0.17428583	0.00015	0.060958	0.18851
0.08055	-0.27886	8.67E-10	-0.0962	0.03769	0.30968245	7.74E-12	0.193988	2.43E-05
0.03401	-0.14762	0.00138	-0.18405	6.31E-05	0.07367165	0.11185	0.049301	0.28769
0.67643	0.05171	0.26476	0.173515	0.00016	0.05065375	0.27466	0.005163	0.9114
0.4338	-0.18555	5.48E-05	-0.20601	7.18E-06	-0.2990227	4.22E-11	-0.30393	1.95E-11
0.83991	-0.12786	0.00566	-0.13925	0.00256	-0.3423237	2.76E-14	-0.45419	3.79E-25
0.0332	-0.19536	2.12E-05	-0.0047	0.9193	0.07717573	0.09575	0.082658	0.07434
0.53568	0.17747	0.00012	0.253911	2.64E-08	0.23026866	4.89E-07	0.320343	1.32E-12
0.14278	0.028229	0.54285	-0.04752	0.30546	-0.0295189	0.52456	0.171494	0.0002
0.15517	-0.16339	0.00039	-0.14718	0.00143	0.06483938	0.16184	0.251683	3.52E-08
0.14987	-0.17931	9.77E-05	-0.1588	0.00057	0.02299179	0.62018	0.073652	0.11194
0.03605	0.081816	0.07735	0.318517	1.80E-12	0.08882158	0.0551	0.04539	0.3277
0.0001	0.051626	0.26554	0.072203	0.11919	0.07651297	0.09865	0.104293	0.0242
0.50217	-0.0929	0.04479	-0.11188	0.01557	0.05697263	0.21911	0.174617	0.00015
0.10653	-0.07457	0.10751	-0.03767	0.41665	-0.0820463	0.07652	-0.08223	0.07584
0.92091	-0.1308	0.00464	-0.15395	0.00084	-0.1117094	0.01573	-0.06956	0.13336
0.81414	-0.22874	5.85E-07	-0.33609	8.55E-14	-0.2454159	7.80E-08	-0.1726	0.00018
0.16188	-0.28108	6.29E-10	-0.16594	0.00032	0.0142511	0.75872	0.061623	0.18372
0.86625	-0.20708	6.42E-06	-0.12915	0.00519	0.10361101	0.02515	0.245243	7.97E-08
0.61294	-0.04852	0.29538	-0.03237	0.48533	0.28384044	4.20E-10	0.131312	0.00448
0.20541	-0.12594	0.00643	-0.21528	2.67E-06	-0.2268393	7.28E-07	-0.22305	1.12E-06
0.02959	-0.04215	0.36345	-0.17361	0.00016	0.18690927	4.82E-05	0.425927	5.27E-22
0.01247	-0.22251	1.19E-06	-0.24337	1.01E-07	-0.0492221	0.28847	0.087001	0.06029
0.00662	0.403981	9.26E-20	0.271966	2.31E-09	-0.0199643	0.66696	-0.01656	0.7211
0.00027	-0.04015	0.38672	0.03643	0.43221	-0.1000524	0.03063	-0.11887	0.01014
0.10598	-0.08456	0.0679	0.031288	0.49999	0.29618987	6.55E-11	0.200984	1.21E-05
0.12135	-0.01254	0.7869	0.056641	0.22181	0.03992675	0.38932	0.113095	0.01447
3.38E-21	-0.06765	0.14438	-0.06345	0.17102	0.10196245	0.02758	0.225172	8.82E-07
0.64382	-0.05087	0.27258	0.055631	0.23017	0.30273636	2.36E-11	0.369076	1.62E-16



0.42446	0.067466	0.14548	0.066453	0.15163	0.24687291	6.50E-08	0.375484	4.39E-17
0.09474	-0.16857	0.00025	-0.12647	0.0062	0.01383689	0.76553	0.13165	0.00438
0.00016	-0.1536	0.00087	-0.05582	0.22858	0.00981214	0.83251	-0.04949	0.28581
0.15983	-0.10346	0.02536	-0.09767	0.03486	-0.0870373	0.06019	-0.04582	0.32317
0.85078	-0.16632	0.00031	-0.4244	7.66E-22	-0.2702474	2.93E-09	-0.22428	9.76E-07
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0.16735	0.03054	0.51031	0.29924	4.08E-11	0.37250343	8.09E-17	0.141089	0.00224
0.49593	-0.18645	5.03E-05	-0.22832	6.14E-07	-0.0103995	0.82265	-0.03422	0.46063
0.07353	-0.22376	1.04E-06	-0.12031	0.00926	0.06366939	0.16956	0.110676	0.01673
0.01381	0.133511	0.00385	0.078986	0.08819	0.10613279	0.0218	0.036528	0.43097
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0.32103	-0.25294	3.00E-08	-0.16605	0.00031	-0.0001838	0.99684	0.144036	0.0018
0.55384	-0.41422	8.70E-21	-0.18418	6.23E-05	0.13993533	0.00244	0.200529	1.26E-05
0.36062	-0.28289	4.83E-10	-0.24086	1.37E-07	-0.0458183	0.32315	0.009564	0.83669
0.06265	0.187795	4.43E-05	0.378743	2.24E-17	0.11799359	0.01071	0.007626	0.86945
1.67E-12	-0.26478	6.22E-09	-0.1965	1.90E-05	0.01606711	0.72911	0.108974	0.01849
0.87571	0.015403	0.73991	-0.01159	0.80266	0.04731108	0.30762	0.081838	0.07727
0.11819	-0.1673	0.00028	-0.02781	0.54884	0.43394223	7.25E-23	0.399655	2.45E-19
0.52691	-0.09343	0.04359	-0.12616	0.00634	0.19524142	2.15E-05	0.45832	1.24E-25
0.00037	-0.10008	0.03059	-0.0233	0.61557	0.09401996	0.04227	0.093518	0.04339
0.76225	0.060829	0.18945	0.018272	0.69371	-0.0554561	0.23165	-0.0455	0.32651
0.30303	-0.39274	1.13E-18	-0.24966	4.56E-08	0.05352632	0.24832	0.188176	4.27E-05
0.41712	-0.24723	6.21E-08	-0.27256	2.12E-09	0.04497604	0.33213	0.152958	0.00091
4.81E-11	-0.27932	8.11E-10	-0.32768	3.77E-13	-0.0677539	0.14376	0.081465	0.07863
0.00135	0.289735	1.75E-10	0.003623	0.93777	0.03200287	0.49025	0.200628	1.25E-05
0.66115	-0.00054	0.99065	-0.18552	5.50E-05	-0.1022764	0.0271	-0.17799	0.00011
0.64626	-0.27468	1.58E-09	-0.18324	6.81E-05	0.01019827	0.82603	0.060045	0.19523
0.01692	-0.28135	6.05E-10	-0.13369	0.0038	0.0465119	0.31587	0.026626	0.566
0.28522	-0.26372	7.19E-09	-0.14648	0.0015	-0.0304308	0.51182	-0.05043	0.27679
0.4513	0.387798	3.30E-18	0.13227	0.00419	0.26657094	4.87E-09	0.312872	4.60E-12
0.402	0.084514	0.06804	0.0229	0.62158	0.28906149	1.94E-10	0.501025	4.77E-31
0.09692	-0.18339	6.71E-05	-0.09819	0.0339	0.08592951	0.06354	0.14774	0.00137
0.92213	0.013939	0.76385	0.145981	0.00156	-0.0238415	0.60731	-0.02797	0.54661
0.0173	0.013737	0.76718	-0.0426	0.35833	0.03917296	0.39834	0.139657	0.00249
0.08608	-0.0988	0.03279	-0.12641	0.00623	-0.1540526	0.00084	-0.2252	8.79E-07
0.0079	-0.29872	4.43E-11	-0.3389	5.15E-14	0.08900062	0.05461	0.155935	0.00072
0.03631	-0.11717	0.01128	-0.03553	0.44368	0.10810126	0.01946	0.167686	0.00027
0.1523	-0.08392	0.07002	-0.16934	0.00024	-0.0453442	0.32819	0.071606	0.12229
0.15563	-0.22504	8.96E-07	-0.15919	0.00055	0.04593258	0.32194	0.104828	0.02348
0.23419	-0.21924	1.72E-06	-0.09402	0.04226	-0.0091612	0.84348	-0.05615	0.22586
0.10738	-0.00904	0.84556	0.115761	0.0123	0.33571175	9.14E-14	0.402828	1.20E-19
0.20701	-0.22159	1.33E-06	-0.195	2.20E-05	-0.0644981	0.16406	-0.05567	0.22987
0.08638	-0.47041	4.35E-27	-0.2072	6.34E-06	0.03005616	0.51703	0.026788	0.56364
0.0083	-0.17516	0.00014	-0.14615	0.00154	0.00209605	0.96397	0.024516	0.59718
0.45829	-0.04812	0.29938	-0.19505	2.19E-05	-0.0599463	0.19596	0.027112	0.55893

0.74579	0.086483	0.06184	-0.06023	0.19382	-0.1461485	0.00154	-0.11864	0.01028
0.64174	-0.24608	7.18E-08	-0.1349	0.00349	0.1766366	0.00012	0.378511	2.35E-17
0.92953	-0.1304	0.00477	-0.17517	0.00014	-0.0456268	0.32518	0.133757	0.00378
0.13506	-0.26684	4.70E-09	-0.10124	0.0287	0.04875632	0.29306	0.023495	0.61255
0.18835	-0.02784	0.54842	-0.11592	0.01218	-0.0013711	0.97643	0.167673	0.00027
0.22834	0.214287	2.97E-06	0.19048	3.42E-05	0.15849331	0.00059	0.052709	0.25563
0.11157	-0.10305	0.02596	-0.14982	0.00116	-0.1556256	0.00074	-0.21166	3.95E-06
0.22191	0.092579	0.04555	-0.12002	0.00943	0.21089022	4.29E-06	0.307445	1.11E-11
0.10042	-0.24076	1.39E-07	-0.11749	0.01106	0.0952763	0.03958	0.174276	0.00015
0.41701	-0.02128	0.6464	-0.04023	0.38577	-0.01362	0.7691	-0.00852	0.85427
0.65756	-0.15789	0.00062	-0.13422	0.00366	-0.0187795	0.68564	-0.02347	0.61285
0.00023	0.06943	0.13408	0.077077	0.09618	0.09329022	0.0439	0.132184	0.00422
0.74921	-0.24158	1.26E-07	-0.07151	0.12278	0.10991715	0.01749	0.020368	0.66065
0.08927	-0.15573	0.00073	-0.25066	4.01E-08	-0.0535468	0.24814	0.038178	0.41044
0.09071	-0.02163	0.64109	-0.00395	0.93222	0.18217042	7.51E-05	0.224055	1.00E-06
0.00536	0.006314	0.89176	0.006628	0.88641	0.13037427	0.00477	0.225761	8.25E-07
0.59565	-0.27467	1.58E-09	-0.34376	2.12E-14	-0.0845405	0.06795	0.056032	0.22683
0.02462	-0.30227	2.53E-11	-0.19267	2.77E-05	-0.0529271	0.25366	-0.07984	0.08479
0.00139	-0.10822	0.01932	-0.02611	0.57349	0.12921564	0.00516	0.187357	4.62E-05
0.90207	-0.29326	1.03E-10	-0.20395	8.90E-06	-0.0508686	0.27262	-0.01661	0.72028
0.31591	-0.30212	2.60E-11	-0.141	0.00226	-0.1431613	0.00193	-0.18219	7.50E-05
0.37727	-0.18479	5.89E-05	-0.10785	0.01974	-0.1300474	0.00488	-0.13289	0.00402
0.02756	-0.04744	0.30626	-0.03993	0.38927	0.08253337	0.07478	0.210072	4.68E-06
0.01728	-0.31348	4.16E-12	-0.25935	1.29E-08	-0.1079049	0.01968	-0.08634	0.06228
1.86E-08	-0.0089	0.84788	0.042574	0.35862	0.10288376	0.0262	0.117524	0.01103
0.06586	-0.17172	0.00019	-0.03663	0.42973	0.0625332	0.17732	0.029237	0.52852
0.88004	-0.31206	5.25E-12	-0.22358	1.06E-06	-0.0970823	0.03597	-0.11999	0.00944
0.42305	-0.3995	2.54E-19	-0.27119	2.57E-09	0.02756446	0.55239	0.006772	0.88396
7.68E-06	-0.18169	7.85E-05	-0.06611	0.15376	0.16125147	0.00047	0.326085	4.96E-13
0.48255	-0.08173	0.07765	-0.08107	0.08008	0.01787768	0.69999	-0.06826	0.14079
0.799	-0.1467	0.00148	-0.1599	0.00052	-0.0138313	0.76562	0.088023	0.05733
0.30172	-0.19381	2.47E-05	-0.13575	0.00329	0.01964409	0.67199	0.116709	0.0116
0.70802	-0.30758	1.09E-11	-0.22515	8.85E-07	-0.0799295	0.08445	-0.09366	0.04308
0.00919	-0.07202	0.12014	0.070279	0.12938	-0.0717304	0.12164	-0.16663	0.0003
0.99796	-0.29117	1.41E-10	-0.23772	2.01E-07	-0.0771147	0.09602	-0.07796	0.09241
0.34811	-0.06919	0.13544	-0.10535	0.02279	0.06750538	0.14524	0.229772	5.18E-07
0.5727	0.006473	0.88906	0.020232	0.66278	0.07850057	0.09017	0.213882	3.11E-06
0.34284	-0.2077	6.01E-06	-0.07803	0.09214	0.05850012	0.20699	0.062807	0.17543
0.39465	0.136565	0.0031	0.287676	2.38E-10	0.20727592	6.29E-06	-0.00462	0.9207
0.55457	-0.20899	5.25E-06	-0.13661	0.0031	-0.0257982	0.57814	-0.00948	0.83809
1.67E-07	-0.21235	3.67E-06	-0.16915	0.00024	-0.147406	0.0014	-0.23486	2.84E-07
9.17E-10	-0.01344	0.77204	-0.08119	0.07966	-0.0405506	0.38195	0.057247	0.2169
0.72583	-0.00137	0.97651	0.05677	0.22076	0.18028626	8.94E-05	0.410058	2.30E-20
0.01144	-0.19494	2.21E-05	-0.19812	1.61E-05	-0.0078509	0.86563	0.095193	0.03975
0.00012	-0.17016	0.00022	-0.19027	3.50E-05	0.1769282	0.00012	0.291359	1.37E-10

0.27631	-0.09382	0.04271	-0.12155	0.00855	0.08518428	0.06588	0.245478	7.74E-08
0.17409	-0.35634	1.99E-15	-0.18185	7.74E-05	0.12438568	0.00712	0.167898	0.00027
0.222	-0.26253	8.44E-09	-0.14548	0.00162	0.03992453	0.38934	0.095502	0.03911
0.11007	-0.45569	2.53E-25	-0.28422	3.98E-10	-0.0016832	0.97106	0.031137	0.50207
0.06112	0.063198	0.17275	0.10639	0.02148	0.01097322	0.81304	-0.07669	0.09787
0.26976	0.026411	0.56914	-0.05053	0.27587	-0.0868421	0.06077	-0.15565	0.00074
0.44945	0.137105	0.00299	0.250021	4.36E-08	0.15494899	0.00078	0.05833	0.20831
0.09819	-0.47388	1.62E-27	-0.27852	9.10E-10	0.02901256	0.5317	0.013742	0.76708
0.43196	-0.27157	2.44E-09	-0.1827	7.15E-05	-0.0783269	0.09089	-0.0885	0.05598
0.04106	-0.0543	0.24156	-0.03127	0.50026	-0.0356851	0.44169	-0.04849	0.29574
0.91775	0.239979	1.53E-07	0.120096	0.00938	0.16453556	0.00036	0.052667	0.25601
7.31E-05	0.1382	0.00276	-0.06692	0.1488	0.20669049	6.69E-06	0.08497	0.06656
0.60623	-0.21406	3.05E-06	-0.07557	0.10288	-0.0087704	0.85007	-0.04224	0.36239
0.42537	-0.24551	7.71E-08	-0.17177	0.00019	-0.1290152	0.00523	-0.12354	0.00752
0.56145	-0.03034	0.51306	-0.00224	0.96156	0.1171348	0.0113	0.173593	0.00016
0.03671	0.059908	0.19625	-0.01984	0.66892	0.05573075	0.22934	0.05079	0.27337
0.97466	-0.09565	0.0388	-0.08004	0.08401	0.04081659	0.37883	0.117326	0.01117
0.43237	0.047849	0.30214	0.01956	0.67332	0.18508918	5.72E-05	0.3719	9.14E-17
0.73024	0.020695	0.65555	-0.03734	0.42078	0.12794119	0.00563	0.298002	4.95E-11
0.01531	0.063164	0.17298	-0.04601	0.32116	0.0918343	0.04732	-0.10981	0.0176
0.76904	-0.01713	0.71204	-0.03125	0.50051	-0.1084386	0.01908	-0.05496	0.23588
0.08902	-0.05522	0.23364	-0.08985	0.05234	0.06650964	0.15128	0.116198	0.01198
0.33422	-0.22281	1.15E-06	-0.21683	2.25E-06	0.04058116	0.38159	0.189423	3.79E-05
0.016	-0.07116	0.12463	-0.14857	0.00128	-0.0625983	0.17687	0.044766	0.3344
0.01516	-0.23338	3.39E-07	-0.12315	0.00771	0.03110513	0.50251	0.024058	0.60405
0.84463	-0.0403	0.38495	-0.10681	0.02096	-0.3657962	3.12E-16	-0.27816	9.59E-10
0.88839	0.019097	0.68062	0.307064	1.18E-11	0.43179504	1.24E-22	0.267971	4.02E-09
0.00536	0.182773	7.11E-05	0.36952	1.48E-16	0.35191731	4.63E-15	0.329852	2.58E-13
0.49066	0.10219	0.02723	0.195156	2.17E-05	0.14662686	0.00149	0.060793	0.18971
0.05401	0.023564	0.6115	0.062684	0.17627	0.12541843	0.00665	0.211842	3.87E-06
0.83122	0.231737	4.12E-07	0.101542	0.02823	0.03515036	0.44857	0.083049	0.07297
0.05161	0.171038	0.0002	0.122327	0.00814	0.07220057	0.1192	0.193255	2.61E-05
0.71329	-0.09323	0.04405	-0.13361	0.00382	-0.0011402	0.98039	0.033803	0.46616
0.39827	-0.13449	0.00359	-0.20227	1.06E-05	-0.0754318	0.10352	-0.05969	0.19786
0.02313	-0.21222	3.72E-06	-0.12489	0.00689	0.02347495	0.61285	-0.06253	0.17734
0.7489	-0.0133	0.77437	-0.06265	0.1765	-0.2195711	1.66E-06	-0.14219	0.00207
0.05749	-0.15764	0.00063	-0.11544	0.01255	-0.1335948	0.00382	-0.16302	0.0004
2.74E-05	-0.00231	0.96028	0.079049	0.08794	0.14609032	0.00155	0.145257	0.00165
0.35715	-0.37157	9.78E-17	-0.23427	3.05E-07	-0.1063364	0.02154	-0.10308	0.02591
0.01185	-0.08443	0.06833	-0.08092	0.08065	0.09118464	0.04891	0.190097	3.55E-05
0.12915	-0.19269	2.76E-05	-0.10934	0.0181	-0.0387452	0.40351	-0.01496	0.7471
0.81717	-0.21147	4.03E-06	-0.14983	0.00116	0.03114308	0.50199	0.13262	0.00409
0.39742	-0.34106	3.48E-14	-0.1716	0.00019	0.04496657	0.33223	0.045577	0.32571
0.05486	-0.05621	0.22534	-0.13411	0.00369	-0.3610642	7.94E-16	-0.34026	4.02E-14
0.7526	-0.17906	1.00E-04	-0.12416	0.00723	-0.0944818	0.04126	-0.11716	0.01129

3.65E-06	-0.1912	3.19E-05	-0.24939	4.72E-08	-0.1312802	0.00449	-0.10995	0.01746
0.37484	-0.18876	4.04E-05	-0.17502	0.00014	-0.0357869	0.44039	-0.07788	0.09275
0.65673	-0.0877	0.05825	-0.10395	0.02468	0.08190417	0.07703	0.221235	1.38E-06
0.23293	-0.24202	1.19E-07	-0.15127	0.00104	0.00561158	0.90374	0.002213	0.96195
0.00156	-0.08397	0.06983	-0.08832	0.05649	0.14730937	0.00141	0.0947	0.0408
0.18619	0.129548	0.00505	0.068528	0.13923	0.04262158	0.35809	0.100768	0.02946
0.02649	0.294752	8.17E-11	0.295884	6.86E-11	0.12799098	0.00561	0.216424	2.35E-06
0.59667	-0.27545	1.41E-09	-0.19681	1.84E-05	-0.0085222	0.85427	0.00719	0.87685
0.35203	-0.1923	2.87E-05	-0.10769	0.01992	0.04097042	0.37703	0.114377	0.01339
0.01789	0.25735	1.68E-08	0.198878	1.49E-05	-0.0421938	0.36294	-0.11647	0.01177
0.89546	-0.21422	2.99E-06	-0.16304	0.0004	-0.2619551	9.12E-09	-0.24232	1.15E-07
0.16479	-0.21341	3.27E-06	-0.13244	0.00414	0.01498918	0.74664	0.040307	0.38481
0.00121	0.002084	0.96418	-0.1045	0.02392	0.18693302	4.81E-05	0.094975	0.04021
2.64E-05	0.119464	0.00977	0.244755	8.48E-08	0.22006557	1.57E-06	0.219827	1.61E-06
0.00033	-0.38424	7.04E-18	-0.43294	9.31E-23	-0.180635	8.66E-05	-0.21067	4.39E-06
0.29101	-0.19486	2.23E-05	-0.21528	2.67E-06	-0.0059321	0.89827	0.126059	0.00638
0.12667	-0.12604	0.00638	-0.07115	0.12469	0.0932322	0.04404	0.19094	3.27E-05
0.08317	-0.2687	3.64E-09	-0.2909	1.47E-10	-0.0761503	0.10026	0.038585	0.40546
0.21667	-0.03079	0.50678	0.00459	0.92121	-0.0175858	0.70466	-0.04371	0.34593
0.28876	-0.35934	1.11E-15	-0.09575	0.03859	0.00574763	0.90141	-0.02582	0.57783
0.00975	-0.09062	0.05033	0.039166	0.39842	0.2177545	2.03E-06	0.099499	0.03157
0.39476	-0.13693	0.00303	-0.03759	0.41767	0.1452813	0.00164	0.257668	1.61E-08
0.29036	-0.25031	4.20E-08	-0.1858	5.35E-05	-0.0660068	0.1544	0.033992	0.46367
0.54483	0.057487	0.21497	0.26641	4.98E-09	0.24600188	7.25E-08	0.401308	1.69E-19
0.71657	-0.26517	5.90E-09	-0.22529	8.71E-07	-0.041993	0.36523	0.008234	0.85914
0.00157	-0.30341	2.12E-11	-0.28776	2.35E-10	-0.0085126	0.85443	-0.02404	0.6044
0.56481	-0.02668	0.56519	-0.19114	3.21E-05	0.04763412	0.30432	0.21843	1.89E-06
0.56616	-0.13159	0.00439	-0.221	1.42E-06	-0.0961747	0.03775	-0.02797	0.54652
0.53106	-0.17336	0.00017	-0.25015	4.28E-08	-0.0797153	0.08529	0.060688	0.19048
0.08158	0.095655	0.0388	0.257493	1.65E-08	0.6018452	2.36E-47	0.500361	5.88E-31
0.0673	0.011649	0.80176	0.0525	0.25752	-0.0547066	0.23803	-0.03797	0.41302
0.29052	-0.01929	0.67751	-0.20313	9.69E-06	-0.0827187	0.07413	-0.0342	0.46089
0.10622	0.005732	0.90167	0.10217	0.02726	0.20384251	9.00E-06	0.112408	0.01508
0.00028	0.147698	0.00137	0.027047	0.55987	-0.0214713	0.6435	0.081391	0.07891
0.81057	0.321259	1.13E-12	0.124043	0.00728	-0.0620926	0.1804	-0.20959	4.93E-06
0.00954	-0.00617	0.8942	0.024592	0.59604	-0.0096834	0.83468	-0.12213	0.00824
0.89042	0.089453	0.05339	-0.04271	0.35704	0.14718964	0.00142	0.232919	3.58E-07
0.01298	-0.25201	3.37E-08	-0.02509	0.58868	0.26483567	6.18E-09	0.242181	1.17E-07
0.03869	-0.21776	2.03E-06	-0.19051	3.41E-05	-0.2573326	1.69E-08	-0.13089	0.00461
0.7873	0.03433	0.45923	-0.0118	0.79924	0.12857269	0.00539	0.233853	3.20E-07
0.02903	-0.23775	2.01E-07	-0.12795	0.00562	0.10541559	0.02271	0.118902	0.01012
0.82212	-0.33202	1.76E-13	-0.1935	2.55E-05	-0.0365738	0.4304	-0.05302	0.25286
0.03962	-0.30175	2.75E-11	-0.16993	0.00022	-0.0297252	0.52166	-0.02937	0.52666
0.0146	0.254449	2.46E-08	0.242924	1.06E-07	0.26858416	3.69E-09	0.248193	5.50E-08
0.5762	-0.00776	0.86713	-0.28578	3.16E-10	-0.1246629	0.00699	0.135421	0.00337

0.05543	-0.33834	5.70E-14	-0.27816	9.59E-10	-0.2549068	2.32E-08	-0.34129	3.34E-14
0.011	-0.30375	2.01E-11	-0.27695	1.14E-09	-0.0201718	0.66371	-0.03105	0.50333
0.66245	-0.1355	0.00335	-0.0547	0.23805	0.01495696	0.74717	0.003437	0.94096
0.99283	-0.2687	3.64E-09	-0.2251	8.89E-07	-0.0406821	0.3804	0.047186	0.3089
0.48584	-0.23294	3.57E-07	-0.15665	0.00068	0.14840573	0.0013	0.155077	0.00077
0.92888	-0.00366	0.93712	-0.01983	0.66901	0.08111412	0.07993	0.110412	0.01699
0.53982	-0.20118	1.18E-05	-0.0161	0.72856	0.02365395	0.61014	0.024587	0.59612
0.0195	0.046233	0.31879	0.092359	0.04606	0.23570734	2.57E-07	0.250917	3.89E-08
0.34579	-0.33538	9.70E-14	-0.26456	6.41E-09	-0.1424681	0.00203	-0.12915	0.00519
0.00858	-0.09831	0.03368	-0.12161	0.00852	-0.0214304	0.64413	0.077672	0.09363
0.81241	-0.09705	0.03602	-0.14837	0.0013	-0.0546047	0.2389	-0.0606	0.19114
0.02265	-0.19706	1.79E-05	-0.07966	0.08549	0.09852032	0.03329	-0.08868	0.05549
0.02207	-0.34167	3.12E-14	-0.16744	0.00028	0.01429062	0.75807	0.04479	0.33414
0.01742	0.024261	0.601	-0.00333	0.94284	0.03688425	0.42649	0.098404	0.0335
0.92705	-0.3614	7.44E-16	-0.22389	1.02E-06	-0.0224519	0.62842	0.114827	0.01303
2.97E-06	-0.25517	2.24E-08	-0.14502	0.00168	0.22135187	1.36E-06	0.33346	1.37E-13
1.23E-05	-0.12704	0.00598	-0.01152	0.80391	0.28284875	4.86E-10	0.307681	1.07E-11
0.17667	-0.16596	0.00032	-0.13935	0.00254	0.11134444	0.01607	0.239544	1.61E-07
0.00267	0.036509	0.43122	-0.1114	0.01602	-0.0292502	0.52834	0.07713	0.09595
0.1539	-0.19952	1.40E-05	-0.19615	1.96E-05	-0.1126971	0.01482	-0.27939	8.03E-10
0.00015	0.020463	0.65917	0.023948	0.60571	0.08172848	0.07767	0.078292	0.09103
0.00035	-0.11738	0.01113	-0.04725	0.30829	0.11779055	0.01085	0.181324	8.13E-05
0.0487	-0.11923	0.00991	-0.01883	0.68492	-0.0223098	0.6306	-0.04896	0.291
0.09142	-0.04221	0.36272	0.073377	0.11329	0.1530763	0.0009	0.191027	3.25E-05
0.6319	-0.11441	0.01336	0.080037	0.08403	0.00877188	0.85005	-0.15785	0.00062
0.05467	-0.01914	0.67992	-0.02898	0.53211	0.0012424	0.97864	0.023481	0.61276
0.03434	0.089587	0.05303	-0.06812	0.14159	-0.1785113	0.00011	-0.1271	0.00595
0.15457	0.205793	7.35E-06	0.282219	5.33E-10	0.23295722	3.56E-07	0.098758	0.03287
0.7307	-0.0766	0.09828	-0.09944	0.03168	0.05409318	0.24334	0.047511	0.30558
0.21655	0.327374	3.97E-13	0.197294	1.75E-05	0.1930287	2.67E-05	0.363316	5.10E-16
0.22127	-0.01655	0.72132	-0.07482	0.10636	0.01850476	0.69	0.066522	0.15121
0.29621	-0.24968	4.55E-08	-0.15402	0.00084	-0.0433119	0.35035	0.002834	0.9513
0.65071	-0.11441	0.01336	-0.09299	0.0446	-0.0617736	0.18265	0.043671	0.34637
0.29172	-0.26668	4.80E-09	-0.1615	0.00046	-0.070907	0.12598	-0.01825	0.69404
0.21931	-0.21458	2.88E-06	-0.15247	0.00095	0.17158581	0.00019	0.289472	1.82E-10
0.56927	0.01529	0.74173	-0.03685	0.42692	0.13538818	0.00337	0.279483	7.93E-10
0.00125	0.159764	0.00053	0.286978	2.64E-10	0.41169976	1.57E-20	0.243398	1.00E-07
0.48969	-0.08577	0.06402	-0.12344	0.00757	0.00886303	0.84851	0.072557	0.11739
1.06E-08	0.120912	0.00891	0.017206	0.71075	0.17334877	0.00017	0.291657	1.31E-10
0.1689	-0.21948	1.68E-06	-0.22289	1.14E-06	-0.1298133	0.00496	-0.19936	1.42E-05
0.00018	-0.14486	0.0017	-0.07385	0.11099	-0.0683557	0.14023	-0.05284	0.25447
0.67811	0.304341	1.83E-11	0.253018	2.96E-08	0.19272452	2.75E-05	0.006919	0.88145
0.37792	0.090551	0.05051	-0.05883	0.20442	0.16585878	0.00032	0.262737	8.21E-09
0.11645	0.059869	0.19654	0.081746	0.0776	0.06767062	0.14425	0.024292	0.60054
0.20956	-0.32686	4.34E-13	-0.4111	1.80E-20	-0.1989628	1.48E-05	-0.0765	0.09869

0.00048	0.073022	0.11505	-0.13948	0.00252	0.21245159	3.63E-06	0.266382	5.00E-09
0.04799	-0.30878	8.95E-12	-0.27008	3.00E-09	-0.046198	0.31915	-0.0147	0.75129
0.08043	-0.203	9.82E-06	-0.04142	0.37185	0.06676911	0.14969	0.041212	0.37422
2.21E-05	0.189796	3.66E-05	0.247342	6.12E-08	0.15025359	0.00113	0.174069	0.00016
0.03844	-0.03603	0.4373	-0.21682	2.25E-06	0.04461402	0.33604	-0.07488	0.10606
0.04064	0.006428	0.88981	-0.0992	0.0321	-0.06515	0.15984	-0.02032	0.66141
0.11324	-0.22454	9.48E-07	-0.02576	0.57865	0.26845826	3.76E-09	0.31879	1.72E-12
0.29363	-0.03304	0.47633	-0.05892	0.20373	0.29006786	1.66E-10	0.194763	2.25E-05
0.00094	0.020709	0.65532	-0.11628	0.01192	-0.0445365	0.33688	0.028612	0.53738
0.16529	-0.19432	2.35E-05	-0.09169	0.04767	0.067894	0.14293	0.136886	0.00304
0.15637	-0.06191	0.18165	-0.02122	0.64744	0.12461251	0.00701	0.215639	2.56E-06
0.85517	-0.14201	0.0021	-0.19612	1.97E-05	-0.1740647	0.00016	-0.27067	2.77E-09
0.00041	0.019129	0.68011	-0.01941	0.6757	0.31435659	3.60E-12	0.231925	4.02E-07
0.10333	0.174505	0.00015	0.122664	0.00796	0.05021166	0.27887	0.084963	0.06658
0.61933	-0.34017	4.09E-14	-0.23819	1.90E-07	-0.082185	0.07602	-0.11521	0.01273
0.59753	-0.30228	2.53E-11	-0.22066	1.47E-06	-0.0692784	0.13494	-0.02399	0.60503
0.202	-0.17808	0.00011	-0.1296	0.00503	-0.0939489	0.04243	-0.00367	0.93702
0.37267	-0.20951	4.97E-06	-0.26933	3.33E-09	-0.1047975	0.02352	-0.05751	0.21478
0.00056	-0.18284	7.06E-05	-0.08418	0.06915	0.01860047	0.68848	-0.00204	0.96487
0.01963	-0.02923	0.52861	-0.08004	0.08402	-0.0705255	0.12804	-0.1506	0.0011
0.00376	-0.11104	0.01637	-0.04775	0.30318	0.01033709	0.8237	0.014848	0.74896
0.16603	-0.2876	2.41E-10	-0.1175	0.01105	-0.0201492	0.66407	-0.04056	0.38178
0.73617	-0.02669	0.56512	0.007636	0.86927	0.04394656	0.34333	0.04923	0.28839
0.00034	0.008751	0.8504	-0.07256	0.11736	-0.203348	9.47E-06	-0.26709	4.54E-09
0.00364	-0.11329	0.01431	-0.04404	0.34229	0.05445541	0.24019	0.112789	0.01474
0.00046	0.034142	0.4617	-0.12637	0.00625	-0.4961476	2.17E-30	-0.48097	2.08E-28
0.46684	0.085062	0.06627	-0.04435	0.33891	-0.1119832	0.01547	-0.0268	0.56345
0.16035	-0.19357	2.53E-05	-0.14028	0.00238	0.07012369	0.13023	0.273778	1.79E-09
0.58986	-0.13638	0.00315	-0.13492	0.00349	0.04279982	0.35608	0.148266	0.00131
0.04129	-0.04492	0.33273	-0.01298	0.77962	0.09240981	0.04594	0.109642	0.01778
0.78417	-0.14525	0.00165	-0.28034	7.00E-10	-0.2116049	3.97E-06	-0.24624	7.03E-08
0.32694	-0.25037	4.17E-08	-0.18744	4.58E-05	-0.0194294	0.67537	0.044502	0.33726
0.09762	0.0166	0.7205	-0.14287	0.00197	0.08330878	0.07208	-0.02612	0.57338
0.28918	-0.18625	5.13E-05	-0.058	0.21091	0.15944482	0.00054	0.120099	0.00938
0.52126	-0.37156	9.81E-17	-0.25152	3.60E-08	0.00786473	0.8654	0.044627	0.3359
0.12616	-0.07852	0.09009	-0.09726	0.03563	0.04754527	0.30523	0.115006	0.01289
0.3027	-0.12721	0.00591	0.013006	0.77923	0.21929524	1.71E-06	0.214562	2.88E-06
0.00438	-0.24798	5.65E-08	-0.22164	1.32E-06	-0.0244009	0.59891	0.045327	0.32837
0.10235	0.074944	0.10577	0.036147	0.4358	0.3561327	2.07E-15	0.423644	9.19E-22
5.57E-06	0.212578	3.58E-06	0.135959	0.00324	0.0545939	0.239	0.036186	0.4353
0.00037	-0.18542	5.55E-05	-0.04673	0.31365	-0.0564325	0.22352	-0.03691	0.42622
0.54314	0.187304	4.64E-05	0.015236	0.74262	0.1522036	0.00097	0.305817	1.44E-11
0.77997	-0.0076	0.86993	-0.09371	0.04296	-0.0835275	0.07133	-0.08732	0.05937
0.15351	0.088555	0.05584	-0.01858	0.68879	-0.0925709	0.04556	-0.131	0.00457
0.0095	-0.39727	4.17E-19	-0.20022	1.30E-05	0.08443306	0.06831	0.065624	0.15681

0.7932	0.01211	0.79409	-0.01006	0.82834	0.27821983	9.51E-10	0.480077	2.69E-28
0.27434	-0.07042	0.12861	0.056063	0.22657	0.20398921	8.86E-06	0.133127	0.00395
0.17494	-0.32375	7.42E-13	-0.22488	9.12E-07	-0.0282983	0.54185	0.094944	0.04028
0.00311	-0.20718	6.35E-06	-0.19159	3.08E-05	0.01082217	0.81557	0.072849	0.11592
0.05746	-0.24167	1.24E-07	-0.11506	0.01285	0.16627213	0.00031	0.288576	2.08E-10
0.16259	0.220172	1.55E-06	0.155918	0.00072	-0.032596	0.48224	-0.10867	0.01882
0.97216	-0.19574	2.05E-05	-0.10579	0.02223	-0.0258883	0.57681	-0.06521	0.15946
0.48671	0.098401	0.03351	0.073165	0.11434	0.00158846	0.97269	-0.04793	0.30136
0.61375	-0.29455	8.42E-11	-0.26371	7.19E-09	-0.1895646	3.74E-05	-0.15495	0.00078
0.84077	-0.39218	1.28E-18	-0.08323	0.07237	-0.0506263	0.27492	-0.08054	0.08208
3.60E-05	-0.08421	0.06903	-0.01324	0.77539	0.1748816	0.00015	0.094568	0.04108
0.19861	-0.15316	0.0009	-0.05069	0.27427	-0.0266723	0.56532	-0.07787	0.09278
0.20437	0.048632	0.29429	-0.12415	0.00723	-0.0579842	0.21103	0.107614	0.02001
2.59E-06	0.006131	0.89487	-0.08039	0.08268	0.09434918	0.04155	0.18735	4.62E-05
0.48544	-0.04072	0.37993	-0.04323	0.35132	0.02740001	0.55476	0.059942	0.196
0.43627	-0.24229	1.15E-07	-0.14505	0.00167	-0.0567741	0.22073	-0.04478	0.33424
0.22838	-0.14895	0.00125	-0.17071	0.00021	0.04711523	0.30963	0.188459	4.16E-05
0.00286	-0.06647	0.15153	-0.00035	0.99395	0.14957374	0.00119	0.117164	0.01128
0.58623	-0.06851	0.13934	0.011042	0.8119	0.19420015	2.38E-05	0.252586	3.13E-08
0.71257	-0.05413	0.24299	-0.16816	0.00026	0.05124191	0.26911	0.140834	0.00228
0.18617	-0.19792	1.65E-05	-0.20917	5.15E-06	-0.0483839	0.29677	-0.01919	0.67916
0.00016	-0.23308	3.51E-07	-0.22624	7.80E-07	0.03883241	0.40246	0.121131	0.00878
0.01499	0.069264	0.13502	-0.0082	0.8598	-0.1222323	0.00819	-0.03876	0.40332
0.14687	-0.21045	4.49E-06	-0.14642	0.00151	0.06902149	0.1364	0.079009	0.0881
0.00079	0.039056	0.39975	0.039284	0.397	0.07027256	0.12942	0.126081	0.00637
0.15865	-0.02905	0.53123	-0.1462	0.00153	-0.1585317	0.00058	-0.03912	0.39901
0.01844	-0.17962	9.50E-05	0.095598	0.03891	0.24127958	1.30E-07	0.253742	2.70E-08
0.75276	-0.18537	5.57E-05	-0.38366	7.97E-18	-0.1128387	0.0147	-0.12897	0.00525
0.1483	-0.07625	0.09983	-0.12375	0.00742	0.08446444	0.0682	0.280679	6.67E-10
0.38904	0.042416	0.36041	0.006369	0.89082	0.23662561	2.30E-07	0.419794	2.32E-21
0.00124	-0.47948	3.20E-28	-0.26121	1.01E-08	-0.0748386	0.10627	-0.12684	0.00606
0.718	-0.25583	2.05E-08	-0.113	0.01456	-0.0212775	0.6465	-0.03863	0.40486
0.16924	-0.22289	1.14E-06	-0.16977	0.00023	-0.0564671	0.22324	-0.02845	0.53962
0.20236	-0.16653	0.0003	-0.11699	0.0114	0.00133785	0.977	0.057761	0.2128
0.77212	-0.24955	4.63E-08	-0.13124	0.0045	-0.0135431	0.77037	-0.07434	0.10861
0.09332	-0.1325	0.00413	-0.11316	0.01442	0.18570128	5.40E-05	0.358574	1.29E-15
0.22262	-0.20959	4.92E-06	-0.13587	0.00326	0.02749988	0.55332	0.104513	0.0239
0.01908	-0.25016	4.28E-08	-0.1598	0.00053	-0.0535709	0.24792	-0.0332	0.47409
0.00198	-0.10326	0.02565	0.070696	0.12712	0.18970272	3.69E-05	0.20628	6.98E-06
0.13196	0.030176	0.51536	0.179359	9.73E-05	0.19522767	2.15E-05	0.094539	0.04114
0.73547	-0.0695	0.1337	0.130338	0.00479	0.42108767	1.70E-21	0.399031	2.82E-19
0.5798	0.06168	0.18332	0.074989	0.10556	0.22552619	8.47E-07	0.318059	1.94E-12
0.0001	-0.10217	0.02727	-0.17966	9.47E-05	-0.2487336	5.13E-08	-0.19606	1.98E-05
0.16195	-0.174	0.00016	0.043212	0.35146	0.26953284	3.24E-09	0.091147	0.04901
0.01445	-0.11793	0.01076	-0.04332	0.35032	-0.05883	0.20443	-0.1094	0.01803

0.41093	-0.23889	1.75E-07	-0.19076	3.33E-05	-0.1376365	0.00288	-0.16776	0.00027
0.00088	-0.32171	1.05E-12	-0.25897	1.36E-08	-0.1328329	0.00403	-0.1261	0.00636
0.00129	-0.2377	2.02E-07	-0.20767	6.03E-06	-0.1376877	0.00287	-0.14911	0.00123
0.00119	-0.39618	5.31E-19	-0.33313	1.45E-13	-0.1853422	5.59E-05	-0.20985	4.79E-06
0.7699	-0.1338	0.00377	-0.15286	0.00092	0.02994716	0.51856	0.113428	0.01418
0.78438	-0.22564	8.36E-07	-0.1462	0.00154	-0.0265997	0.56638	-0.04437	0.33874
0.59016	-0.21471	2.84E-06	-0.18832	4.22E-05	-0.0191366	0.67999	0.009973	0.82981
0.00514	0.074091	0.10981	0.053444	0.24905	0.06486341	0.16168	0.019902	0.66793
0.01802	-0.32745	3.92E-13	-0.27907	8.42E-10	-0.0750954	0.10507	-0.12732	0.00587
0.0607	-0.11706	0.01136	-0.08744	0.059	0.02400249	0.60489	0.045296	0.3287
0.00018	-0.05548	0.23142	0.004891	0.91604	0.09688086	0.03636	0.038364	0.40816
0.86327	-0.08805	0.05726	-0.05741	0.2156	0.06354822	0.17038	0.181589	7.93E-05
0.10819	-0.0206	0.65695	-0.0093	0.8412	0.02833492	0.54133	0.084079	0.06948
5.75E-07	-0.26682	4.71E-09	-0.16624	0.00031	-0.0495326	0.28543	-0.02766	0.55105
0.22996	-0.26838	3.80E-09	-0.19923	1.44E-05	-0.11856	0.01034	-0.17891	0.0001
0.79806	-0.3655	3.31E-16	-0.21435	2.95E-06	-0.0487076	0.29354	-0.06612	0.15372
0.00295	-0.09038	0.05096	0.00747	0.8721	0.05810976	0.21004	0.094155	0.04197
0.26286	0.230914	4.53E-07	0.22142	1.35E-06	0.11624272	0.01194	0.005673	0.90269
0.03707	-0.08348	0.07148	-0.20206	1.08E-05	-0.1533237	0.00089	-0.05705	0.21848
0.19111	0.031283	0.50007	-0.08777	0.05805	0.06375784	0.16897	-0.06791	0.14282
0.63336	-0.07318	0.11428	-0.23389	3.19E-07	-0.1182216	0.01056	0.080053	0.08397
0.00043	0.304635	1.74E-11	0.18268	7.17E-05	0.07449555	0.10788	0.076654	0.09803
0.97977	-0.09011	0.05164	-0.09951	0.03155	-0.1322898	0.00419	-0.05628	0.22481
0.1812	0.418922	2.86E-21	0.308821	8.90E-12	0.163844	0.00038	-0.01274	0.78371
0.32691	-0.03958	0.39344	-0.02216	0.63283	0.02828435	0.54205	0.03755	0.41819
0.04577	-0.02642	0.56904	-0.07364	0.112	0.01921663	0.67873	0.039761	0.39129
2.69E-15	-0.37425	5.66E-17	-0.23742	2.09E-07	0.06979622	0.13204	0.06343	0.17118
0.17596	0.036672	0.42916	-0.10641	0.02146	0.00591593	0.89854	0.191695	3.04E-05
0.79493	-0.08517	0.06591	-0.18657	4.98E-05	0.19946102	1.41E-05	0.275853	1.33E-09
8.89E-05	-0.10675	0.02104	-0.10607	0.02188	-0.1518739	0.00099	-0.23112	4.42E-07
0.90554	-0.13201	0.00427	-0.03783	0.41475	0.18602447	5.24E-05	0.21412	3.03E-06
0.20216	-0.24899	4.97E-08	-0.18364	6.56E-05	0.04592891	0.32198	0.050569	0.27546
0.00046	0.158913	0.00057	0.048953	0.29111	0.33171419	1.86E-13	0.367291	2.32E-16
0.28166	-0.01874	0.6862	-0.03259	0.48235	0.16466795	0.00035	0.268548	3.71E-09
0.01767	-0.18178	7.79E-05	-0.14138	0.0022	0.06467671	0.1629	0.149281	0.00121
0.94495	-0.126	0.0064	-0.06673	0.1499	0.06556375	0.15719	0.085728	0.06416
1.40E-10	-0.08896	0.05471	-0.02633	0.5703	0.31495677	3.26E-12	0.271738	2.38E-09
0.03614	-0.33695	7.32E-14	-0.21243	3.63E-06	0.04690186	0.31183	0.118733	0.01023
0.50049	-0.14141	0.00219	-0.19121	3.19E-05	0.11566278	0.01238	0.152923	0.00092
0.02177	-0.27001	3.03E-09	-0.10355	0.02524	0.11176949	0.01567	0.07946	0.0863
0.02586	0.163802	0.00038	-0.00086	0.98527	-0.1063808	0.02149	0.008829	0.84908
0.00674	0.120737	0.00901	0.223644	1.05E-06	0.14096593	0.00226	0.129073	0.00521
0.36496	-0.19546	2.10E-05	-0.02484	0.59236	0.11251764	0.01499	0.218984	1.77E-06
0.08031	-0.11849	0.01039	-0.17424	0.00015	-0.0143281	0.75746	0.093181	0.04415
0.92915	0.062519	0.17742	0.072512	0.11761	0.12196667	0.00833	0.094184	0.04191



0.62286	-0.02538	0.58436	-0.05457	0.2392	-0.0229826	0.62032	0.012822	0.78228
0.05187	0.085366	0.0653	0.039587	0.39337	0.06727347	0.14663	0.037911	0.41372
0.00094	0.370872	1.13E-16	0.409587	2.56E-20	0.11641494	0.01182	-0.02104	0.6502
0.01048	-0.3309	2.15E-13	-0.20723	6.32E-06	0.0987716	0.03285	0.20056	1.26E-05
0.02165	-0.25256	3.15E-08	-0.17177	0.00019	0.02286415	0.62213	-0.00753	0.87105
0.01581	-0.18538	5.57E-05	-0.05579	0.22881	0.11535892	0.01261	0.1186	0.01031
1.02E-05	-0.33259	1.59E-13	-0.15406	0.00084	0.05679486	0.22056	0.064247	0.16572
0.0749	-0.17943	9.66E-05	-0.06472	0.16261	0.02713551	0.55859	0.031648	0.49508
0.02925	0.09564	0.03883	0.143523	0.00187	0.15213588	0.00097	0.066734	0.1499
0.2073	-0.05701	0.21879	-0.00306	0.94741	0.15494886	0.00078	0.227206	6.98E-07
3.05E-05	-0.05298	0.25322	-0.13733	0.00294	0.08553827	0.06476	0.159675	0.00053
0.01675	-0.01062	0.81899	-0.10717	0.02054	-0.0310625	0.50309	-0.01785	0.7004
0.00071	-0.1318	0.00433	-0.10324	0.02568	-0.0462642	0.31846	-0.13466	0.00355
0.00263	-0.16266	0.00042	-0.32735	3.99E-13	0.00846286	0.85527	0.036065	0.43684
1.60E-05	0.053736	0.24647	0.19228	2.87E-05	0.11340495	0.0142	0.005054	0.91326
0.38664	-0.11142	0.01601	-0.26517	5.90E-09	-0.0802565	0.08318	0.076838	0.09722
0.00011	0.128915	0.00527	0.073695	0.11173	0.02085037	0.65313	-0.02976	0.52117
0.25159	-0.07516	0.10477	-0.06437	0.16492	0.05516221	0.23413	0.124504	0.00706
0.02264	-0.23064	4.68E-07	-0.22638	7.68E-07	-0.0344704	0.4574	-0.07901	0.08808
0.84917	-0.26396	6.96E-09	-0.2256	8.40E-07	-0.1497991	0.00117	-0.15628	0.0007
0.0081	0.203946	8.90E-06	0.172359	0.00018	-0.1021372	0.02731	-0.12533	0.00669
0.71172	-0.21955	1.66E-06	-0.0799	0.08456	0.0632884	0.17213	0.051864	0.26334
0.06306	0.012396	0.78933	0.107006	0.02073	0.14278575	0.00198	0.007006	0.87998
0.00859	0.033997	0.4636	-0.0398	0.39081	-0.2340845	3.12E-07	-0.36715	2.38E-16
0.0024	-0.2406	1.42E-07	-0.09877	0.03284	0.12378596	0.0074	0.07772	0.09343
0.74614	0.148322	0.00131	0.229376	5.43E-07	0.16836462	0.00026	-0.04655	0.31547
0.43844	-0.32492	6.07E-13	-0.18519	5.67E-05	-0.0361494	0.43577	0.013393	0.77283
0.59308	-0.02652	0.56759	-0.05099	0.27145	0.01133923	0.80693	0.108027	0.01954
2.16E-13	-0.25532	2.20E-08	-0.13144	0.00444	0.1918812	2.99E-05	0.310048	7.29E-12
0.0002	0.160668	0.00049	0.172293	0.00018	0.15863841	0.00058	0.115815	0.01226
0.51912	0.031001	0.50394	-0.03438	0.45854	-0.1050309	0.02321	-0.08752	0.05879
0.28925	-0.19617	1.96E-05	-0.03336	0.47203	0.01384939	0.76532	0.00291	0.95
0.71268	0.044201	0.34054	0.06042	0.19244	0.14389879	0.00182	0.152083	0.00098
0.78613	-0.07156	0.12253	-0.01231	0.79085	-0.0750731	0.10517	-0.01144	0.80521
0.35402	0.0191	0.68056	-0.1023	0.02707	0.04841658	0.29644	0.249379	4.73E-08
0.39806	-0.14955	0.00119	-0.06809	0.14175	0.03417158	0.46131	0.183749	6.49E-05
0.49969	-0.12688	0.00604	-0.19961	1.39E-05	-0.0107007	0.8176	0.128462	0.00543
0.43402	-0.1135	0.01413	-0.03337	0.47188	0.07413413	0.10961	0.085517	0.06482
0.73588	-0.26996	3.05E-09	-0.18594	5.28E-05	-0.0422327	0.3625	-0.04119	0.37453
0.52881	-0.09485	0.04048	-0.06322	0.1726	-0.0395274	0.39408	0.058976	0.20331
0.06606	-0.36591	3.05E-16	-0.21152	4.01E-06	0.05098924	0.27148	0.114685	0.01314
0.29167	0.051461	0.26707	0.030012	0.51764	-0.2402057	1.49E-07	-0.21327	3.32E-06
0.02064	0.039566	0.39362	0.01443	0.75579	-0.0961495	0.0378	-0.1879	4.39E-05
0.10746	-0.25858	1.43E-08	-0.0922	0.04645	0.04654025	0.31558	0.088751	0.05529
0.57337	-0.1889	3.98E-05	-0.13847	0.00271	0.14608608	0.00155	0.339754	4.41E-14

0.65359	-0.15126	0.00104	-0.26947	3.27E-09	-0.1166354	0.01166	0.046828	0.31259
0.00476	-0.20839	5.59E-06	-0.18103	8.35E-05	-0.0617838	0.18258	0.13173	0.00435
0.35607	-0.24329	1.02E-07	-0.08729	0.05943	0.03687811	0.42657	0.026376	0.56965
0.64928	-0.19553	2.09E-05	-0.21081	4.33E-06	-0.0714844	0.12292	0.005844	0.89977
0.21009	-0.18747	4.57E-05	-0.08889	0.05491	-0.0560948	0.22631	-0.1111	0.01631
0.58474	-0.25457	2.42E-08	-0.27892	8.59E-10	-0.0541268	0.24304	0.08667	0.06128
0.05164	0.044797	0.33407	-0.03189	0.49177	-0.0459678	0.32157	-0.16629	0.00031
0.53621	-0.26694	4.64E-09	-0.16453	0.00036	-0.1610468	0.00048	-0.25582	2.06E-08
3.41E-06	-0.17799	0.00011	-0.20831	5.64E-06	-0.1172627	0.01121	-0.33722	6.98E-14
0.74805	-0.07877	0.08906	-0.1884	4.18E-05	0.08760534	0.05853	0.282795	4.90E-10
0.72279	-0.00894	0.84719	-0.07917	0.08746	0.04645765	0.31644	0.013954	0.7636
0.25972	-0.31148	5.77E-12	-0.16535	0.00033	0.02441777	0.59865	0.075293	0.10415
0.01552	-0.06599	0.15451	-0.08251	0.07485	0.16543943	0.00033	0.224559	9.46E-07
0.34096	-0.10309	0.0259	-0.15924	0.00055	0.00069914	0.98798	0.05513	0.23441
1.36E-07	-0.07937	0.08666	-0.18083	8.50E-05	-0.0896654	0.05282	0.015138	0.74422
0.02456	-0.13454	0.00358	-0.07775	0.09329	0.01367416	0.76821	0.021238	0.64711
0.90048	-0.01415	0.76045	-0.08315	0.07263	0.11044737	0.01695	0.187421	4.59E-05
0.83013	-0.19268	2.76E-05	-0.19966	1.38E-05	-0.0112326	0.80871	0.140573	0.00233
0.01208	0.040288	0.38503	-0.22759	6.68E-07	0.1378826	0.00283	0.174213	0.00015
0.25636	-0.23006	5.01E-07	-0.12683	0.00606	-0.0280384	0.54557	0.015552	0.73747
0.61857	-0.32459	6.42E-13	-0.15904	0.00056	-0.0119766	0.7963	-0.0033	0.94326
0.10937	0.130048	0.00488	0.08834	0.05644	0.13293153	0.00401	0.222474	1.20E-06
0.787	-0.13906	0.0026	-0.04103	0.37636	0.14044008	0.00235	0.149776	0.00117
0.43288	-0.16237	0.00043	-0.13224	0.0042	0.00411988	0.92925	0.002891	0.95032
0.21153	0.173705	0.00016	0.084113	0.06936	-0.0290798	0.53075	0.021838	0.63784
0.00162	-0.01512	0.74447	-0.01438	0.75653	-0.1422023	0.00207	-0.21085	4.30E-06
0.91478	-0.06192	0.18163	-0.01557	0.73712	0.18020962	9.00E-05	0.025974	0.57555
9.20E-07	-0.00985	0.83188	-0.07291	0.11563	0.02903735	0.53135	0.084606	0.06774
0.00099	0.018776	0.6857	0.007725	0.86776	0.10121794	0.02874	0.145366	0.00163
2.09E-08	0.0437	0.34604	0.204255	8.62E-06	0.04835597	0.29705	0.084284	0.0688
0.95053	0.034936	0.45135	-0.06992	0.13135	-0.1284963	0.00542	-0.17382	0.00016
0.00019	-0.0898	0.05246	-0.05398	0.24429	-0.0040996	0.92959	-0.05326	0.25068
0.53102	-0.05327	0.25058	-0.01003	0.82893	0.0587688	0.20491	0.083884	0.07013
0.26785	-0.16125	0.00047	-0.02578	0.57842	0.1043637	0.02411	0.128487	0.00542
0.00854	-0.37963	1.86E-17	-0.20774	5.99E-06	0.08076457	0.08124	0.166459	0.0003
0.00265	-0.1206	0.00909	-0.1722	0.00018	-0.0458641	0.32266	0.035024	0.4502
0.39658	-0.11046	0.01694	-0.16137	0.00046	0.28250353	5.11E-10	0.337159	7.05E-14
2.15E-43	-0.07524	0.1044	-0.07165	0.12205	0.09905781	0.03234	0.103583	0.02519
0.00036	-0.00276	0.95254	-0.16145	0.00046	-0.2871435	2.58E-10	-0.24812	5.55E-08
0.44659	-0.34277	2.54E-14	-0.15303	0.00091	0.08148236	0.07857	0.047327	0.30746
0.19434	-0.24195	1.20E-07	-0.11956	0.00971	-0.0018173	0.96876	0.075759	0.10202
0.69884	0.138741	0.00266	0.097901	0.03442	-0.210509	4.47E-06	-0.1836	6.58E-05
0.94965	-0.31834	1.86E-12	-0.18325	6.80E-05	-0.0314482	0.4978	-0.08942	0.05348
0.03855	-0.24756	5.95E-08	-0.1763	0.00013	0.05148983	0.2668	0.116218	0.01196
0.01616	-0.00759	0.87006	0.129304	0.00513	0.33256026	1.60E-13	0.317676	2.07E-12

0.79011	-0.1791	9.96E-05	-0.22762	6.66E-07	-0.0548211	0.23704	0.084709	0.06741
0.58554	-0.29937	4.00E-11	-0.15464	0.0008	-0.0236292	0.61052	-0.01732	0.70897
0.20504	-0.15401	0.00084	-0.06801	0.14225	-0.0153872	0.74015	-0.09377	0.04283
0.99212	-0.39507	6.79E-19	-0.30426	1.85E-11	-0.1108717	0.01653	-0.10989	0.01753
0.45904	-0.30934	8.19E-12	-0.20605	7.15E-06	-0.068034	0.14211	-0.111	0.0164
0.08199	-0.04804	0.30021	-0.0511	0.27047	-0.0041381	0.92893	0.029849	0.51993
0.08237	-0.04797	0.3009	-0.05982	0.19689	0.10074162	0.0295	0.315222	3.12E-12
0.07248	-0.15528	0.00076	-0.11458	0.01323	-0.1212196	0.00874	-0.17722	0.00012
3.91E-05	-0.14871	0.00127	-0.0649	0.16145	0.02000338	0.66635	-0.03132	0.49955
0.24731	-0.08257	0.07466	0.00729	0.87516	0.15430308	0.00082	0.198572	1.54E-05
0.0416	-0.11277	0.01476	-0.11239	0.0151	0.12744586	0.00582	0.281473	5.94E-10
0.10357	-0.01776	0.70182	-0.06237	0.17843	-0.0124046	0.78919	0.067096	0.1477
0.62108	-0.16506	0.00034	-0.17058	0.00021	-0.0065782	0.88726	0.064205	0.16599
0.17762	-0.1406	0.00232	-0.16644	0.0003	-0.107624	0.02	-0.03489	0.45198
0.01257	-0.24021	1.49E-07	-0.13764	0.00288	-0.0303744	0.5126	-0.00451	0.92265
0.0244	-0.3838	7.74E-18	-0.3316	1.90E-13	-0.1277499	0.0057	-0.16271	0.00042
0.06459	0.030531	0.51044	0.118731	0.01023	0.14803421	0.00134	0.139954	0.00244
0.00288	-0.03019	0.51512	0.073918	0.11065	-0.1182918	0.01051	-0.19216	2.91E-05
0.85902	-0.20891	5.29E-06	-0.35371	3.29E-15	-0.1251494	0.00677	-0.06348	0.17085
0.04313	-0.18791	4.38E-05	-0.25326	2.87E-08	-0.110016	0.01739	-0.19159	3.07E-05
0.01211	0.192828	2.72E-05	0.041777	0.36771	-0.0556918	0.22967	-0.09349	0.04345
0.01436	-0.17927	9.81E-05	-0.21873	1.82E-06	0.03643509	0.43215	0.199361	1.42E-05
0.28786	-0.00105	0.98198	0.157764	0.00062	0.19468109	2.27E-05	0.332263	1.69E-13
0.00123	0.265581	5.58E-09	0.133246	0.00392	0.00724602	0.8759	-0.04575	0.3239
0.00813	-0.03551	0.44388	-0.11221	0.01526	-0.084731	0.06733	-0.06121	0.18669
0.44653	-0.28667	2.77E-10	-0.20563	7.47E-06	-0.1489128	0.00125	-0.15731	0.00065
0.06698	-0.02593	0.57615	0.007525	0.87116	0.11802322	0.01069	0.144384	0.00176
0.11557	-0.26848	3.75E-09	-0.13883	0.00264	0.00180005	0.96905	0.045002	0.33186
0.46639	-0.24788	5.72E-08	-0.03817	0.41058	0.10676493	0.02102	0.11939	0.00981
0.38064	-0.23549	2.63E-07	-0.1701	0.00022	-0.0192068	0.67888	0.095055	0.04004
0.19528	0.056333	0.22434	-0.13767	0.00287	-0.2633849	7.52E-09	-0.33393	1.26E-13
0.00038	0.097933	0.03437	0.143318	0.0019	0.0807359	0.08135	0.171272	0.0002
0.01465	0.205469	7.60E-06	0.089233	0.05398	0.16331849	0.00039	0.130412	0.00476
0.27033	-0.07498	0.1056	-0.19183	3.00E-05	-0.140326	0.00237	-0.13097	0.00458
0.68265	-0.133	0.00399	-0.08821	0.0568	-0.00936	0.84013	-0.00811	0.86131
3.57E-05	-0.01842	0.69138	0.107912	0.01967	0.15220764	0.00097	0.125298	0.0067
0.99283	0.038274	0.40927	-0.08857	0.0558	0.16606075	0.00031	0.400029	2.26E-19
0.03564	0.007647	0.86909	0.033386	0.47168	0.1402201	0.00239	0.130512	0.00473
0.17716	0.017826	0.70081	0.080056	0.08396	0.09870754	0.03296	0.054523	0.23961
0.01486	-0.0577	0.21326	-0.06439	0.16479	0.02796093	0.54668	0.079052	0.08793
0.00012	-0.08558	0.06463	0.051803	0.2639	0.02867596	0.53647	-0.02633	0.57033
0.17465	-0.20752	6.13E-06	-0.16922	0.00024	-0.2299211	5.09E-07	-0.28744	2.47E-10
0.00012	-0.03672	0.42854	-0.12288	0.00785	-0.2298241	5.15E-07	-0.31247	4.91E-12
0.05521	-0.10689	0.02088	-0.10882	0.01866	-0.0979916	0.03426	-0.07068	0.12721
0.55512	-0.08355	0.07127	0.012087	0.79447	0.15987534	0.00052	0.092993	0.04458

0.03084	0.105013	0.02324	-0.02329	0.61568	0.20176711	1.11E-05	0.105898	0.02209
0.00042	-0.32009	1.38E-12	-0.11672	0.0116	0.12282113	0.00788	0.127374	0.00584
0.56251	-0.40637	5.37E-20	-0.22141	1.35E-06	-0.0852232	0.06575	-0.11161	0.01582
0.67704	0.163708	0.00038	0.06674	0.14986	0.08031901	0.08294	0.102552	0.02669
0.07836	0.032201	0.48757	0.102236	0.02716	0.33833921	5.70E-14	0.483329	1.04E-28
0.15608	-0.16231	0.00043	-0.1861	5.20E-05	-0.0914718	0.0482	-0.10205	0.02745
6.48E-08	0.373985	5.97E-17	0.288293	2.17E-10	0.01703471	0.7135	-0.05895	0.20355
0.05028	0.083513	0.07138	-0.01932	0.67715	0.03515678	0.44849	0.045168	0.33007
0.51312	0.049853	0.28232	-0.00374	0.93576	-0.0527766	0.25502	-0.08794	0.05757
0.00013	-0.12524	0.00673	-0.11638	0.01184	-0.066809	0.14944	-0.09147	0.04821
0.18611	0.120793	0.00898	0.117456	0.01108	0.21395869	3.08E-06	0.06295	0.17444
0.02258	-0.27334	1.90E-09	-0.17568	0.00014	-0.0271316	0.55865	0.034226	0.4606
0.08787	-0.12883	0.0053	-0.10504	0.0232	0.01855973	0.68913	-0.06269	0.17622
0.79012	-0.10153	0.02825	-0.03048	0.51114	-0.1460011	0.00156	-0.20211	1.08E-05
0.59129	-0.00169	0.97094	-0.07905	0.08793	0.06795649	0.14256	0.229971	5.06E-07
0.60013	-0.25975	1.22E-08	-0.20164	1.13E-05	-0.1213208	0.00868	-0.15397	0.00084
4.61E-08	-0.14476	0.00171	-0.00529	0.90915	-0.0429371	0.35454	-0.10311	0.02587
0.15511	-0.07759	0.09397	-0.0952	0.03974	-0.0031732	0.94548	0.089858	0.05231
0.63858	0.019603	0.67264	0.178455	0.00011	0.26546038	5.67E-09	0.297009	5.77E-11
0.16399	-0.0542	0.24244	0.131723	0.00435	0.19563244	2.07E-05	0.192227	2.89E-05
0.31104	-0.30809	1.00E-11	-0.18161	7.92E-05	0.00018897	0.99675	-0.02482	0.59271
0.43134	-0.2968	5.96E-11	-0.3373	6.88E-14	-0.1699404	0.00022	-0.15617	0.00071
0.08059	-0.13765	0.00287	-0.13865	0.00268	-5.50E-07	0.99999	0.113422	0.01419
0.60424	-0.30014	3.54E-11	-0.19062	3.38E-05	-0.0746013	0.10738	-0.05548	0.23147
0.19246	0.079178	0.08742	0.100607	0.02972	0.23661713	2.30E-07	0.393337	9.92E-19
0.64963	-0.28069	6.65E-10	-0.16521	0.00034	-0.0189848	0.68239	0.035263	0.44712
0.98736	0.08566	0.06437	0.099147	0.03218	0.19452618	2.31E-05	0.34066	3.74E-14
0.93837	-0.00579	0.9007	0.032646	0.48157	0.15790694	0.00062	0.28177	5.69E-10
0.0473	-0.2079	5.89E-06	-0.15361	0.00087	0.03033342	0.51317	0.053001	0.253
0.05679	0.172249	0.00018	0.00898	0.84653	0.00308178	0.94704	0.174162	0.00016
0.04755	0.007953	0.8639	-0.20847	5.54E-06	-0.1015606	0.0282	-0.0256	0.58104
1.13E-13	-0.18875	4.05E-05	-0.0891	0.05433	0.29630225	6.44E-11	0.356337	1.99E-15
0.00889	-0.15819	0.0006	0.160706	0.00049	0.25094616	3.87E-08	0.075467	0.10335
0.28542	-0.28991	1.70E-10	-0.22481	9.19E-07	-0.0121148	0.79401	-0.0299	0.51923
0.00414	0.20632	6.95E-06	0.116047	0.01209	0.44286349	7.48E-24	0.526859	1.03E-34
0.14977	-0.23271	3.67E-07	-0.2007	1.24E-05	-0.0489891	0.29076	-0.02784	0.54836
1.69E-11	-0.172	0.00019	-0.17955	9.56E-05	0.09060565	0.05037	0.269149	3.42E-09
0.11865	-0.1972	1.77E-05	-0.16506	0.00034	0.01523686	0.7426	0.053859	0.24539
0.59231	0.083299	0.07211	0.161594	0.00046	0.06653489	0.15113	-0.07867	0.0895
0.14976	0.131003	0.00457	-0.06268	0.17629	-0.0040244	0.93088	0.189633	3.72E-05
0.75564	-0.29804	4.92E-11	-0.10058	0.02977	0.08624602	0.06257	0.138749	0.00266
0.21138	-0.03786	0.41434	-0.11965	0.00965	-0.1863423	5.09E-05	-0.33149	1.93E-13
0.25556	-0.10619	0.02172	-0.03407	0.46258	-0.0115185	0.80394	-0.04339	0.34947
0.3691	-0.08521	0.06579	0.024171	0.60236	-0.1514784	0.00102	-0.15587	0.00072
0.00635	-0.02131	0.64604	-0.12085	0.00894	-0.1310156	0.00457	-0.07226	0.11889

0.46655	0.185093	5.72E-05	0.197945	1.64E-05	0.12277123	0.00791	0.076178	0.10014
0.0253	-0.0997	0.03124	-0.10192	0.02764	0.04655879	0.31538	0.193862	2.46E-05
0.0019	-0.04849	0.29573	-0.04546	0.32695	0.01427168	0.75838	0.014901	0.74809
0.04381	0.029427	0.52585	-0.04268	0.35743	0.13182771	0.00432	0.213561	3.22E-06
0.91215	-0.05764	0.21379	-0.03323	0.47381	0.03534898	0.44601	0.024587	0.59613
0.01681	-0.01607	0.72905	-0.05816	0.20964	-0.0541953	0.24245	-0.05618	0.22557
0.20714	-0.01032	0.82394	-0.0424	0.36064	-0.046767	0.31322	-0.0787	0.08935
0.03382	0.005018	0.91388	0.142134	0.00208	0.21149326	4.02E-06	0.116144	0.01202
0.00511	-0.16752	0.00028	-0.04085	0.37845	0.08733341	0.05932	0.109256	0.01819
0.04165	-0.04028	0.38515	-0.07431	0.10879	0.19743874	1.73E-05	0.162125	0.00044
0.00212	0.115478	0.01252	-0.0215	0.64313	0.03551529	0.44387	0.124938	0.00687
4.00E-10	0.166696	0.0003	0.12328	0.00765	-0.0121993	0.7926	-0.03704	0.42453
0.00037	-0.15274	0.00093	-0.23488	2.83E-07	-0.1419072	0.00211	-0.06496	0.16103
0.00085	0.140394	0.00236	0.396006	5.52E-19	0.1833642	6.73E-05	0.100778	0.02944
0.73523	0.084857	0.06693	0.107429	0.02023	0.08826457	0.05665	0.061699	0.18318
0.01018	-0.39355	9.47E-19	-0.33736	6.80E-14	-0.1125135	0.01499	-0.10921	0.01824
0.12018	-0.31805	1.95E-12	-0.15811	0.00061	0.0338236	0.46589	0.045503	0.32649
0.11692	-0.00387	0.93349	-0.02811	0.54451	0.12139351	0.00864	0.154737	0.00079
0.25097	-0.19609	1.97E-05	-0.22561	8.39E-07	-0.0928886	0.04482	-0.13561	0.00332
0.00927	-0.28462	3.75E-10	-0.04361	0.34699	0.30522428	1.59E-11	0.274673	1.58E-09
0.00201	-0.21116	4.16E-06	-0.0883	0.05654	-0.1379643	0.00281	-0.24919	4.85E-08
1.29E-06	0.058971	0.20335	0.000789	0.98643	-0.1416119	0.00216	-0.2203	1.53E-06
0.1538	-0.12115	0.00877	-0.06022	0.19394	0.3457926	1.46E-14	0.45661	1.98E-25
0.00203	-0.17359	0.00016	0.00249	0.95721	0.34479882	1.75E-14	0.38322	8.75E-18
0.86626	-0.32518	5.80E-13	-0.20721	6.33E-06	-0.0392917	0.39691	-0.06084	0.18933
0.04924	-0.16237	0.00043	-0.13025	0.00481	-0.022755	0.62379	0.082956	0.0733
0.84189	0.032184	0.48779	0.144689	0.00172	0.00588642	0.89905	-0.15337	0.00088
0.24575	0.042344	0.36123	-0.00524	0.91009	0.21889953	1.79E-06	0.322591	9.04E-13
0.15994	-0.17091	0.00021	-0.17101	0.0002	0.26862102	3.68E-09	0.380168	1.66E-17
0.51045	-0.20059	1.26E-05	-0.13528	0.0034	-0.0016631	0.97141	0.083808	0.07038
0.46682	-0.22491	9.09E-07	-0.16358	0.00039	-0.0264026	0.56926	0.025803	0.57807
0.33944	0.071693	0.12183	0.109326	0.01811	0.0512502	0.26904	-0.02768	0.55067
0.64302	-0.22768	6.61E-07	-0.18549	5.51E-05	-0.0114803	0.80457	0.122507	0.00804
0.65274	0.077725	0.09341	-0.05492	0.23621	0.23844603	1.84E-07	0.043322	0.35024
0.19607	0.086296	0.06241	-0.14345	0.00188	-0.4112305	1.75E-20	-0.19572	2.05E-05
0.1612	-0.21867	1.84E-06	-0.22793	6.42E-07	-0.1277818	0.00569	-0.07407	0.10993
0.05875	-0.10379	0.0249	-0.08656	0.06162	-0.2715461	2.45E-09	-0.2728	2.05E-09
0.02312	-0.32015	1.37E-12	-0.29148	1.35E-10	-0.0960397	0.03802	-0.05425	0.24194
9.54E-07	-0.30182	2.72E-11	-0.03978	0.39108	0.32527183	5.71E-13	0.252677	3.10E-08
0.49036	-0.08721	0.05968	0.077726	0.0934	0.15199256	0.00098	0.241339	1.29E-07
2.34E-14	-0.20161	1.13E-05	-0.15903	0.00056	-0.0197388	0.6705	-0.00505	0.91336
0.89938	0.137759	0.00285	0.016977	0.71443	0.26306579	7.85E-09	0.371427	1.01E-16
0.07814	-0.18604	5.24E-05	-0.1879	4.39E-05	-0.080193	0.08343	0.018264	0.69382
1.79E-05	-0.27805	9.74E-10	-0.25892	1.37E-08	0.04283163	0.35572	0.132192	0.00421
0.0743	-0.06782	0.14337	-0.04885	0.29213	-0.0665599	0.15097	-0.04366	0.34651

0.21863	-0.20348	9.34E-06	-0.11583	0.01225	-0.1142173	0.01352	-0.06204	0.1808
0.02576	-0.49674	1.81E-30	-0.23172	4.12E-07	0.08503239	0.06636	-0.01258	0.78621
0.02085	0.013686	0.768	-0.13024	0.00482	-0.080319	0.08294	-0.09281	0.04502
0.01362	-0.11652	0.01174	-0.09643	0.03724	0.01924354	0.6783	0.003868	0.93357
0.00036	0.282829	4.87E-10	0.220878	1.44E-06	0.23597391	2.49E-07	0.113808	0.01386
0.20523	-0.09567	0.03876	-0.22866	5.90E-07	0.10273117	0.02642	0.07612	0.10039
0.02052	0.043714	0.3459	0.140522	0.00234	0.16011306	0.00051	0.106602	0.02122
0.50274	-0.36132	7.55E-16	-0.27253	2.13E-09	0.07596605	0.10109	-0.00099	0.98293
0.32277	-0.20353	9.29E-06	-0.08457	0.06785	-0.0480562	0.30005	-0.10215	0.02729
0.62686	-0.25648	1.89E-08	-0.18654	4.99E-05	-0.0536283	0.24742	0.006899	0.88179
0.81152	-0.20491	8.05E-06	-0.08603	0.06324	0.28457955	3.77E-10	0.367641	2.16E-16
0.07191	-0.26212	8.92E-09	-0.1837	6.52E-05	-0.0136296	0.76894	0.111552	0.01588
0.06201	0.119655	0.00965	-0.1328	0.00404	-0.2052888	7.74E-06	-0.04966	0.2842
0.16373	0.0586	0.20621	-0.02226	0.63132	-0.0511568	0.26991	0.06464	0.16314
0.59384	0.001475	0.97465	-0.04245	0.36007	0.15602817	0.00072	0.333006	1.48E-13
0.63789	-0.06514	0.1599	-0.06292	0.17466	0.12683397	0.00606	0.250679	4.01E-08
0.03074	0.104836	0.02347	-0.02221	0.63214	0.2074927	6.15E-06	0.336033	8.63E-14
0.24744	-0.24636	6.93E-08	-0.06287	0.17497	-0.1071518	0.02056	-0.28339	4.49E-10
0.02971	0.307162	1.16E-11	0.206971	6.49E-06	0.20196406	1.09E-05	0.214862	2.79E-06
0.77157	-0.22096	1.42E-06	-0.12608	0.00637	0.05532578	0.23275	0.111603	0.01583
0.20603	-0.15898	0.00056	-0.21446	2.91E-06	-0.1151334	0.01279	0.011478	0.80462
0.00609	-0.13615	0.0032	-0.01372	0.76739	0.22824641	6.19E-07	0.038385	0.40791
0.16196	0.062712	0.17608	0.208282	5.66E-06	0.37590554	4.03E-17	0.269952	3.06E-09
0.2646	0.026756	0.56411	0.050365	0.2774	0.12659492	0.00615	0.198963	1.48E-05
0.51066	-0.23137	4.30E-07	-0.17678	0.00012	0.01652056	0.72178	0.022125	0.63343
0.52163	0.039154	0.39857	-0.16041	0.0005	0.03230484	0.48616	0.108106	0.01945
0.70309	-0.16995	0.00022	-0.16109	0.00047	-0.0045144	0.92249	0.078813	0.0889
0.90752	-0.13696	0.00302	-0.1595	0.00054	0.00555595	0.90469	0.038491	0.40661
0.00428	0.162198	0.00043	0.040373	0.38403	0.00898089	0.84652	0.045519	0.32632
0.00649	0.404248	8.71E-20	0.371726	9.47E-17	0.43073247	1.62E-22	0.597994	1.27E-46
0.45986	0.033878	0.46517	0.189709	3.69E-05	0.33712806	7.09E-14	0.458214	1.28E-25
0.28825	0.205103	7.89E-06	0.323769	7.39E-13	0.25272395	3.08E-08	0.364241	4.25E-16
0.00461	0.225248	8.75E-07	0.242837	1.08E-07	0.22670015	7.40E-07	0.296077	6.66E-11
0.32867	0.284435	3.85E-10	0.143376	0.0019	0.26824509	3.87E-09	0.524646	2.18E-34
0.00018	0.022667	0.62513	0.217671	2.05E-06	0.33389517	1.26E-13	0.275706	1.36E-09
0.00637	-0.0063	0.89204	0.073157	0.11438	0.20363733	9.19E-06	0.390216	1.96E-18
5.50E-09	0.209919	4.76E-06	0.34628	1.33E-14	0.16712198	0.00029	0.081758	0.07756
0.09787	0.155323	0.00076	0.294118	9.00E-11	0.21286291	3.47E-06	0.315277	3.09E-12
0.12962	0.12439	0.00712	0.345039	1.68E-14	0.12249167	0.00805	0.101938	0.02761
0.02607	-0.01805	0.69718	0.04613	0.31987	0.3096674	7.76E-12	0.349478	7.33E-15
0.05427	0.353035	3.74E-15	0.318652	1.76E-12	0.32598137	5.05E-13	0.536802	3.28E-36
0.02169	0.109289	0.01815	0.165824	0.00032	0.11049194	0.01691	0.267277	4.42E-09
0.03997	0.140021	0.00242	0.03671	0.42867	0.28696784	2.65E-10	0.527463	8.37E-35
6.20E-07	0.098318	0.03366	-0.03581	0.44013	0.23268053	3.68E-07	0.423076	1.05E-21
0.5847	0.157568	0.00063	0.141559	0.00217	0.29615142	6.59E-11	0.362314	6.22E-16

0.06614	0.009591	0.83623	0.142706	0.00199	0.36791542	2.04E-16	0.486423	4.14E-29
0.95888	-0.02656	0.567	0.057728	0.21306	0.05417635	0.24261	0.163405	0.00039
0.04979	0.23698	2.20E-07	0.36252	5.97E-16	0.24212999	1.17E-07	0.205486	7.59E-06
0.06802	0.251258	3.72E-08	0.277177	1.10E-09	0.40997927	2.34E-20	0.546566	9.91E-38
0.17146	0.334747	1.09E-13	0.245426	7.79E-08	-0.1097711	0.01764	-0.05515	0.23421
3.46E-06	-0.05708	0.21828	-0.21828	1.92E-06	0.14350736	0.00188	0.317698	2.06E-12
0.00045	0.028562	0.53809	-0.01897	0.68257	-0.0393991	0.39562	0.028966	0.53235
0.00037	0.161905	0.00044	0.235534	2.62E-07	0.24998195	4.38E-08	0.191451	3.12E-05
0.6626	0.176431	0.00013	0.125181	0.00676	0.23568834	2.57E-07	0.475085	1.14E-27
0.01746	0.045366	0.32796	0.063462	0.17096	-0.0016171	0.9722	0.161959	0.00044
0.00201	0.040561	0.38182	0.01233	0.79043	0.25326818	2.87E-08	0.464821	2.08E-26
0.62756	0.390114	2.00E-18	0.507256	6.65E-32	0.22612612	7.91E-07	0.260042	1.18E-08
0.92418	0.425879	5.33E-22	0.251769	3.48E-08	0.20708183	6.42E-06	0.399903	2.32E-19
0.00026	0.098461	0.0334	0.096916	0.03629	0.22741612	6.82E-07	0.403213	1.10E-19
0.11611	0.073999	0.11026	-0.04275	0.3566	0.25157007	3.57E-08	0.489724	1.54E-29
0.04564	0.010545	0.8202	0.331112	2.07E-13	0.22327358	1.10E-06	0.142658	0.002
0.0946	0.059057	0.20269	0.074367	0.10849	0.30244343	2.47E-11	0.515937	3.99E-33
1.17E-05	0.012528	0.78714	0.01935	0.67663	0.24160299	1.25E-07	0.44015	1.50E-23
8.85E-05	0.337213	6.99E-14	0.524927	1.98E-34	0.49161436	8.68E-30	0.409825	2.43E-20
0.96502	-0.08525	0.06566	0.181576	7.94E-05	0.37516611	4.69E-17	0.511542	1.68E-32
0.39136	0.230695	4.65E-07	0.269427	3.29E-09	0.37276316	7.67E-17	0.558126	1.35E-39
0.0024	-0.0113	0.80755	-0.00745	0.87239	0.08030615	0.08299	0.164451	0.00036
0.22564	0.186122	5.19E-05	0.20568	7.43E-06	0.22081243	1.45E-06	0.348802	8.32E-15
0.00035	-0.27486	1.54E-09	0.096933	0.03626	0.2026267	1.02E-05	0.319338	1.57E-12
0.06518	0.188214	4.26E-05	0.389646	2.21E-18	0.12535063	0.00668	0.213021	3.41E-06
4.63E-06	0.090172	0.05149	-0.01625	0.72615	0.19759488	1.70E-05	0.241757	1.23E-07
0.00076	0.049194	0.28875	0.015593	0.73681	0.39329295	1.00E-18	0.589206	5.47E-45
0.05165	0.340929	3.57E-14	0.507247	6.67E-32	0.46975604	5.22E-27	0.450405	1.04E-24
0.14319	0.112851	0.01469	0.190759	3.33E-05	0.09038008	0.05095	0.202165	1.07E-05
0.05041	0.126292	0.00628	0.06422	0.1659	0.28065524	6.69E-10	0.522254	4.89E-34
0.6757	0.171275	0.0002	-0.04388	0.34407	0.25162986	3.55E-08	0.518451	1.74E-33
0.03827	0.233225	3.45E-07	0.223972	1.01E-06	0.50661415	8.17E-32	0.570859	9.79E-42
0.83159	0.071236	0.12423	0.242838	1.08E-07	0.31923484	1.60E-12	0.322918	8.55E-13
0.8148	0.016504	0.72204	-0.16818	0.00026	-0.071206	0.12439	0.125825	0.00648
0.92715	0.065141	0.15989	-0.06095	0.18856	-0.042192	0.36296	0.069311	0.13476
0.6164	0.076063	0.10065	-0.09148	0.04819	-0.0598082	0.197	0.091158	0.04898
0.70025	0.105698	0.02235	0.034243	0.46037	-0.0834961	0.07144	-0.00954	0.83707
0.35265	0.022489	0.62785	-0.12667	0.00613	-0.0834256	0.07168	0.036752	0.42815
0.2825	0.03676	0.42806	-0.12303	0.00777	-0.0730064	0.11513	0.056065	0.22655
0.59975	-0.17007	0.00022	-0.21922	1.73E-06	-0.0319743	0.49064	0.119926	0.00949
0.7122	0.06855	0.1391	-0.07926	0.0871	0.00750552	0.87149	0.145203	0.00165
0.75528	0.019273	0.67785	-0.11585	0.01223	-0.0626944	0.1762	0.097031	0.03607
0.58796	0.027932	0.54709	-0.11588	0.01221	-0.0585788	0.20638	0.095272	0.03959
0.44301	-0.15906	0.00056	-0.08357	0.07119	-0.0356096	0.44266	0.007691	0.86835
0.78895	0.044628	0.3359	-0.05606	0.22659	-0.0384706	0.40686	0.091556	0.048

0.60325	-0.01133	0.80715	-0.21995	1.59E-06	-0.1059736	0.022	0.059187	0.20169
0.75354	0.021296	0.64622	-0.09506	0.04004	-0.0877194	0.0582	0.020601	0.65701
0.78647	0.043121	0.35248	-0.11494	0.01294	-0.0613944	0.18536	0.107648	0.01997
0.10607	0.129989	0.0049	-0.01369	0.76802	-0.0138788	0.76484	0.105542	0.02255
0.3402	0.107002	0.02074	-0.05656	0.2225	0.04149022	0.371	0.247258	6.19E-08
0.48997	0.044114	0.3415	-0.17865	0.0001	-0.1061454	0.02178	0.080554	0.08204
0.63559	0.044708	0.33503	-0.05846	0.20732	-0.0429292	0.35463	0.053054	0.25253
0.50585	0.042783	0.35627	-0.12865	0.00536	-0.0904343	0.05081	0.011614	0.80234
0.68743	-0.01564	0.73607	-0.13621	0.00318	-0.0443649	0.33875	0.036667	0.42922
0.7045	0.043583	0.34734	-0.12064	0.00907	-0.0276923	0.55054	0.085797	0.06395
0.05558	0.090555	0.0505	-0.1573	0.00065	-0.0984798	0.03337	0.003764	0.93535
0.64816	-0.02275	0.6239	-0.18329	6.78E-05	-0.0907691	0.04996	0.048579	0.29482
0.32217	0.031655	0.49499	-0.0832	0.07246	0.08997441	0.052	0.14884	0.00126
0.93593	0.06395	0.16769	-0.12543	0.00665	-0.0482644	0.29796	0.141158	0.00223
0.75457	0.051997	0.26211	-0.11508	0.01283	-0.0543447	0.24115	0.096625	0.03686
0.28424	0.017156	0.71155	-0.05894	0.20359	-0.0559829	0.22724	0.142046	0.00209
0.59597	0.08122	0.07954	-0.1187	0.01025	-0.0709311	0.12586	0.087573	0.05862
0.99416	-0.0026	0.95526	-0.1307	0.00467	-0.1540336	0.00084	-0.06307	0.1736
0.00011	0.077182	0.09573	-0.05402	0.24402	0.02412887	0.60299	0.068964	0.13672
0.58027	-0.03791	0.41374	-0.16007	0.00052	-0.0821355	0.0762	0.055604	0.2304
0.11552	0.103156	0.0258	-0.03442	0.45808	-0.0221395	0.63321	0.015981	0.73051
0.82565	0.024179	0.60224	-0.17761	0.00011	-0.1287797	0.00532	0.065323	0.15873
0.21551	-0.14108	0.00224	-0.14327	0.00191	0.01028527	0.82457	0.158399	0.00059
0.81175	0.035989	0.43781	-0.04764	0.30429	-0.0113088	0.80743	0.071095	0.12498
0.55489	0.039283	0.39701	-0.14087	0.00228	-0.0539319	0.24475	0.119613	0.00968
0.47116	-0.00146	0.97483	-0.14625	0.00153	-0.1585031	0.00059	0.008734	0.8507
0.51641	0.023499	0.61249	-0.14018	0.0024	-0.0313827	0.4987	0.127378	0.00584
0.12326	0.169636	0.00023	0.072546	0.11744	0.00742606	0.87284	0.120759	0.009
0.718	0.050288	0.27814	-0.12232	0.00814	-0.0451984	0.32975	0.140352	0.00237
0.73482	0.044827	0.33374	-0.12223	0.00819	-0.0598357	0.19679	0.109559	0.01787
0.06847	0.017399	0.70765	-0.09001	0.05192	-0.0366388	0.42958	0.060651	0.19075
0.72897	0.044301	0.33945	-0.10342	0.02542	-0.0610493	0.18785	0.101541	0.02823
0.66386	0.039998	0.38847	-0.16156	0.00046	-0.0861941	0.06272	0.051823	0.26371
0.41739	0.036637	0.4296	-0.1244	0.00711	-0.0644315	0.1645	0.029269	0.52807
0.63346	-0.00749	0.87175	-0.14909	0.00123	-0.0651453	0.15987	0.062519	0.17742
0.84473	-0.01552	0.73805	-0.21039	4.52E-06	-0.0965648	0.03697	0.048319	0.29742
0.17466	0.097655	0.03488	0.012595	0.78604	0.00303831	0.94779	0.079987	0.08423
0.30226	0.090113	0.05164	0.020849	0.65314	-0.0072124	0.87647	0.021941	0.63625
0.95798	0.122393	0.0081	-0.11955	0.00971	-0.0831514	0.07262	0.0458	0.32335
0.45539	0.084208	0.06905	-0.10479	0.02353	-0.0817313	0.07766	0.05401	0.24406
0.69058	-0.04636	0.31741	-0.18121	8.21E-05	-0.1531008	0.0009	-0.00974	0.83368
0.76862	0.110008	0.0174	-0.07825	0.09121	0.06143577	0.18506	0.251473	3.62E-08
0.12071	-0.03613	0.43605	-0.12566	0.00655	-0.0225185	0.6274	0.01827	0.69374
0.92308	-0.0133	0.77443	-0.15325	0.00089	-0.0664699	0.15153	0.032721	0.48056
0.56844	0.009534	0.83719	-0.15717	0.00065	-0.0475529	0.30515	0.027515	0.5531



0.44534	0.024163	0.60248	-0.19301	2.68E-05	-0.0593481	0.20047	0.167018	0.00029
0.66979	-0.00376	0.9355	-0.24268	1.10E-07	-0.0999691	0.03077	0.074705	0.1069
0.14553	0.039673	0.39234	-0.12457	0.00704	-0.1118078	0.01564	0.006066	0.89599
0.30777	-0.03878	0.40313	-0.01842	0.6914	-0.0201137	0.66462	0.002228	0.9617
0.78308	-0.00534	0.9084	0.104622	0.02376	0.20082673	1.23E-05	0.124893	0.00689
0.82237	0.021903	0.63684	-0.18721	4.68E-05	-0.1130717	0.01449	0.040177	0.38636
0.33895	0.025228	0.58658	-0.19811	1.61E-05	-0.0667821	0.14961	0.130089	0.00487
0.63058	0.02567	0.58003	-0.07952	0.08607	-0.0306879	0.50826	0.091619	0.04784
0.4832	0.049831	0.28254	-0.00315	0.9459	-0.0608689	0.18916	-0.04426	0.33994
0.74895	0.076244	0.09984	-0.03038	0.51254	0.04521457	0.32957	0.089908	0.05218
0.97529	0.09491	0.04035	-0.15517	0.00077	-0.0646364	0.16316	0.109458	0.01797
0.91888	0.052953	0.25343	-0.08888	0.05492	-0.0001026	0.99824	0.043915	0.34368
0.52997	0.034751	0.45374	-0.06048	0.19198	-0.007016	0.87981	0.108686	0.0188
0.0199	-0.02615	0.57296	-0.06499	0.16088	-0.0796	0.08574	0.009353	0.84024
0.86391	0.052563	0.25694	-0.14203	0.00209	-0.062631	0.17664	0.1126	0.01491
4.66E-07	0.016608	0.72037	-0.11738	0.01113	-0.0044842	0.92301	0.040972	0.37701
4.63E-05	0.037109	0.42368	-0.14107	0.00225	-0.0602579	0.19364	0.03434	0.4591
0.98758	0.043435	0.34898	-0.1306	0.0047	-0.0746146	0.10732	0.086537	0.06168
0.68942	0.020959	0.65143	-0.16156	0.00046	-0.0585353	0.20671	0.142554	0.00201
0.64843	0.033424	0.47118	-0.14	0.00243	-0.0550963	0.23469	0.132657	0.00408
0.86125	-0.01403	0.76229	-0.06417	0.16623	-0.0044282	0.92397	0.066919	0.14877
0.52601	0.015303	0.74153	-0.11932	0.00986	-0.0612807	0.18617	0.06115	0.18712
0.05762	0.040479	0.38278	-0.1192	0.00993	-0.0480603	0.30001	0.089299	0.0538
0.91874	0.024717	0.59419	-0.12828	0.0055	-0.0390458	0.39987	0.070149	0.13009
0.11413	0.03004	0.51726	-0.06916	0.13561	-0.029132	0.53001	0.090161	0.05152
0.7482	0.03214	0.48839	-0.11273	0.01479	-0.044479	0.33751	0.067257	0.14673
9.71E-08	0.003231	0.94448	-0.10446	0.02398	-0.0248477	0.59223	0.077811	0.09305
0.1598	0.111271	0.01614	-0.01055	0.82015	0.02712704	0.55871	0.147691	0.00137
0.03399	-0.05737	0.21592	-0.13899	0.00261	-0.0908737	0.04969	0.035098	0.44925
0.18369	0.143576	0.00187	-0.01086	0.81487	-0.0473909	0.3068	0.077504	0.09435
0.93158	0.024794	0.59302	-0.12553	0.0066	-0.0534595	0.24891	0.027648	0.55119
0.79285	0.002625	0.95489	-0.00322	0.94469	0.02724383	0.55702	0.042136	0.3636
0.61085	-0.07951	0.08611	-0.22117	1.39E-06	-0.0975474	0.03508	-0.01739	0.70777
0.81128	0.026983	0.56081	-0.11496	0.01292	-0.0057267	0.90177	0.108738	0.01875
0.86963	0.007627	0.86942	-0.14683	0.00146	-0.0637633	0.16893	0.105982	0.02199
4.43E-05	0.01042	0.82231	-0.1139	0.01378	-0.0209514	0.65156	0.111208	0.01621
0.7592	-0.00656	0.88752	-0.10365	0.02509	-0.0420588	0.36448	0.002235	0.96158
0.19158	-0.00873	0.8507	0.031092	0.50269	0.08957233	0.05307	0.07044	0.1285
0.81334	0.007048	0.87926	-0.1478	0.00136	-0.0993885	0.03176	0.045005	0.33182
0.99425	-0.03073	0.5077	-0.13739	0.00293	-0.0406999	0.38019	0.039696	0.39206
0.39945	0.012274	0.79137	-0.11643	0.01181	-0.0421863	0.36303	0.090619	0.05034
0.90914	0.018876	0.68411	-0.1045	0.02392	-0.0551502	0.23424	0.008041	0.86241
0.44418	0.021845	0.63774	-0.05858	0.20633	0.01577978	0.73377	0.098006	0.03423
0.28243	-0.01339	0.77296	-0.12673	0.0061	-0.2017646	1.11E-05	-0.09573	0.03865
0.16742	0.051149	0.26999	-0.07778	0.09317	-0.004972	0.91466	0.111469	0.01596

0.64346	0.012988	0.77953	-0.19227	2.88E-05	-0.09016	0.05152	0.046408	0.31696
0.31731	-0.01742	0.70726	-0.21368	3.17E-06	-0.1153393	0.01263	0.002936	0.94955
0.94739	0.007616	0.86962	-0.16934	0.00024	-0.1018581	0.02774	0.079924	0.08447
0.79881	0.08	0.08418	-0.05973	0.19761	-0.0561104	0.22618	0.083489	0.07146
0.69639	0.004434	0.92387	-0.17256	0.00018	-0.0774083	0.09475	0.028915	0.53308
0.7555	-0.01444	0.75567	-0.17006	0.00022	-0.0976176	0.03495	0.012689	0.78449
0.38015	0.050074	0.28019	-0.06001	0.1955	-0.0225594	0.62678	0.103993	0.02462
0.31092	0.081972	0.07678	-0.05486	0.23667	0.03967199	0.39235	0.147499	0.00139
0.35513	-0.11705	0.01136	-0.30095	3.12E-11	-0.2354762	2.64E-07	-0.15997	0.00052
0.59558	0.047645	0.30421	-0.16007	0.00052	-0.0529212	0.25372	0.120039	0.00942
0.77164	0.026314	0.57057	-0.10191	0.02765	-0.0396105	0.39309	0.098365	0.03358
0.4063	0.130822	0.00463	0.09345	0.04354	0.11460555	0.01321	0.175223	0.00014
0.75424	-0.00293	0.94958	-0.12806	0.00558	-0.1155584	0.01246	0.018809	0.68517
0.84329	0.019632	0.67218	-0.16926	0.00024	-0.0791432	0.08756	0.055025	0.2353
0.83518	0.040299	0.38491	-0.12776	0.0057	-0.0697953	0.13205	0.104273	0.02423
0.9425	-0.03217	0.48799	-0.05425	0.24196	-0.01101	0.81243	-0.05069	0.27428
0.72621	0.031964	0.49078	-0.12656	0.00617	-0.0645027	0.16403	0.089305	0.05378
0.88605	-0.00558	0.90422	-0.11579	0.01228	-0.0410288	0.37635	0.046607	0.31488
0.7495	-0.01916	0.67956	-0.19985	1.35E-05	-0.1206961	0.00903	0.028888	0.53346
0.65804	-0.0047	0.91938	-0.2011	1.19E-05	-0.1102844	0.01712	-0.00865	0.85207
0.41863	-0.02683	0.5631	-0.18891	3.98E-05	-0.1069188	0.02083	-0.00253	0.95647
0.68331	0.029556	0.52403	-0.1332	0.00393	-0.0837447	0.0706	0.061097	0.1875
0.85033	0.062093	0.1804	-0.15624	0.0007	-0.0593628	0.20036	0.152012	0.00098
0.25445	0.08242	0.07518	0.053392	0.24951	0.10662776	0.02119	0.186112	5.20E-05
0.76907	0.020197	0.66332	-0.17806	0.00011	-0.0935446	0.04333	0.106105	0.02183
0.45759	0.007257	0.87571	-0.12795	0.00562	-0.042896	0.355	0.095735	0.03863
0.29327	-0.0505	0.27611	-0.16577	0.00032	-0.1480225	0.00134	-0.08077	0.08122
0.70969	0.077258	0.0954	-0.13019	0.00483	-0.0057623	0.90116	0.143117	0.00193
0.46222	-0.02091	0.65222	-0.17937	9.72E-05	-0.0433225	0.35023	0.087657	0.05838
0.056	0.000896	0.9846	-0.04939	0.28686	0.09359491	0.04322	0.150231	0.00113
0.34879	0.00834	0.85735	-0.1552	0.00076	-0.0750811	0.10513	-0.02851	0.53881
0.68896	0.02888	0.53357	-0.19337	2.58E-05	-0.0622459	0.17932	0.056022	0.22691
0.71398	0.014447	0.75551	-0.18187	7.72E-05	-0.0961808	0.03773	0.000872	0.98501
0.00323	-0.01099	0.81282	-0.19372	2.50E-05	-0.0183815	0.69196	0.167179	0.00028
0.70426	-0.07772	0.09342	-0.21219	3.73E-06	0.00389532	0.93309	0.096916	0.03629
0.21886	-0.11751	0.01104	-0.19418	2.39E-05	-0.0773732	0.0949	0.02037	0.66062
0.72109	0.003235	0.94442	-0.17492	0.00015	-0.1037534	0.02495	0.086553	0.06163
0.60566	-0.02577	0.57862	-0.09963	0.03134	-0.0014662	0.97479	0.085474	0.06496
0.91027	-0.02499	0.59008	-0.11165	0.01579	-0.0476148	0.30452	0.022151	0.63303
0.38107	0.010887	0.81448	-0.11508	0.01283	-0.0722333	0.11904	0.01789	0.69979
0.92444	0.03937	0.39597	-0.14297	0.00195	-0.0325079	0.48343	0.063113	0.17333
0.91239	-0.10659	0.02123	-0.16649	0.0003	-0.0237179	0.60918	0.054796	0.23726
0.95008	-0.05356	0.24803	-0.17028	0.00022	-0.0431238	0.35245	0.018384	0.69191
0.97929	0.031693	0.49446	-0.14639	0.00151	-0.0435122	0.34813	0.158713	0.00058
0.94335	0.042196	0.36291	-0.08744	0.05899	-0.04702	0.31061	0.063314	0.17196

0.65481	0.051925	0.26278	-0.0736	0.11219	-0.0366525	0.42941	0.048372	0.29689
0.94607	-0.04616	0.31957	-0.11684	0.01151	-0.0080377	0.86247	0.002508	0.95689
0.66458	0.035049	0.44988	-0.09504	0.04007	-0.0212322	0.6472	0.073555	0.11242
0.62907	0.023739	0.60886	-0.11495	0.01293	-0.0553292	0.23272	0.08479	0.06714
0.51926	0.059997	0.19558	-0.06975	0.13229	-0.0545832	0.23909	0.064599	0.16341
0.67063	0.006865	0.88237	-0.14178	0.00213	-0.0934163	0.04362	0.061383	0.18544
0.89584	0.02531	0.58535	-0.16686	0.00029	-0.0821114	0.07628	0.1092	0.01825
0.98016	0.016914	0.71543	-0.13773	0.00286	-0.0215469	0.64233	0.030124	0.51609
0.72304	0.019381	0.67613	-0.17664	0.00012	-0.0788022	0.08894	0.082094	0.07635
0.82022	0.00714	0.8777	-0.14277	0.00198	-0.0256539	0.58027	0.07526	0.10431
0.72247	0.035223	0.44763	-0.05443	0.24038	0.03164654	0.4951	0.100863	0.0293
0.69948	0.03004	0.51725	-0.11492	0.01295	-0.0563519	0.22418	0.110178	0.01723
0.74771	0.007194	0.87678	-0.19997	1.34E-05	-0.1011309	0.02887	0.033061	0.47601
0.00196	0.037696	0.41637	-0.09378	0.0428	-0.0306883	0.50825	0.112556	0.01495
0.6027	0.002813	0.95166	-0.00082	0.98593	0.01068883	0.8178	0.012606	0.78586
0.67873	0.001234	0.97879	-0.13681	0.00305	-0.0414789	0.37114	0.147852	0.00135
0.89079	0.003311	0.94311	-0.15695	0.00066	-0.123062	0.00776	-0.04175	0.36801
0.82688	0.035877	0.43923	-0.10036	0.03013	-0.0247921	0.59306	0.121428	0.00862
0.65908	0.023656	0.61011	-0.13112	0.00454	-0.0613226	0.18587	0.09705	0.03603
0.45331	0.022857	0.62224	-0.12324	0.00767	-0.0638933	0.16806	0.104586	0.0238
0.97581	0.032089	0.48908	-0.13423	0.00366	-0.0812825	0.07931	0.041312	0.37307
0.56509	0.053097	0.25214	-0.1544	0.00081	-0.0413535	0.37258	0.159054	0.00056
0.99072	-0.01585	0.73263	-0.15193	0.00099	-0.0679088	0.14284	0.039444	0.39509
0.72708	0.013586	0.76966	-0.21169	3.93E-06	-0.0534698	0.24882	0.124458	0.00709
0.60061	-0.00953	0.83733	-0.15053	0.0011	-0.0944229	0.04139	0.045111	0.33069
0.84743	0.000179	0.99692	-0.15355	0.00087	-0.0573236	0.21628	0.042765	0.35647
0.66854	0.016078	0.72894	-0.19593	2.01E-05	-0.0730735	0.11479	0.10088	0.02928
0.75689	0.031205	0.50114	-0.12939	0.0051	0.00338547	0.94183	0.097492	0.03519
0.79254	-0.16799	0.00027	-0.25406	2.59E-08	-0.0163589	0.72439	0.124951	0.00686
0.8964	0.049114	0.28952	-0.17161	0.00019	-0.0864876	0.06183	0.094274	0.04172
0.88323	0.04369	0.34616	-0.12225	0.00817	-0.0703516	0.12898	0.07812	0.09175
0.94176	-0.05116	0.26989	-0.2201	1.57E-06	-0.1223383	0.00813	-0.01322	0.77574
0.53522	0.009684	0.83466	-0.14374	0.00184	-0.0447339	0.33475	0.035285	0.44683
0.52267	0.041018	0.37648	-0.15301	0.00091	-0.0843464	0.06859	0.088196	0.05684
0.83278	0.039792	0.39092	-0.15909	0.00056	-0.0674132	0.14579	0.063933	0.1678
0.75614	0.047886	0.30177	-0.12694	0.00601	-0.0544186	0.24051	0.116758	0.01157
0.92348	-0.00246	0.95774	-0.13953	0.00251	-0.0586395	0.20591	0.06752	0.14515
0.82288	0.025262	0.58607	-0.16881	0.00025	-0.0642098	0.16596	0.114853	0.01301
0.92686	0.023081	0.61882	-0.15328	0.00089	-0.0855572	0.0647	0.042541	0.35901
0.72758	0.022761	0.6237	-0.16635	0.00031	-0.070356	0.12896	0.14516	0.00166
0.49506	0.047881	0.30182	-0.04685	0.31241	-0.0543423	0.24117	0.055871	0.22817
0.89018	-0.004	0.93136	-0.14939	0.0012	-0.0721488	0.11947	0.066257	0.15284
0.84196	0.002153	0.96298	-0.19779	1.67E-05	-0.1200412	0.00942	-0.00838	0.8566
0.49872	-0.01282	0.78227	-0.00453	0.92222	0.02269261	0.62474	0.035644	0.44222
0.90011	0.026228	0.57182	-0.09483	0.04052	-0.1163815	0.01184	0.002937	0.94952

0.78552	0.015231	0.7427	-0.17125	0.0002	-0.0878019	0.05796	0.074246	0.10907
0.72295	0.012889	0.78116	-0.13094	0.00459	-0.0235302	0.61201	0.138052	0.00279
0.69081	-0.01823	0.6943	-0.13777	0.00285	-0.0561879	0.22554	0.053349	0.24989
0.58089	0.044697	0.33515	-0.10911	0.01835	-0.0618899	0.18183	0.032472	0.48391
0.82735	0.025028	0.58955	-0.14354	0.00187	-0.0456714	0.3247	0.093382	0.04369
0.83267	-0.01928	0.6777	-0.16891	0.00025	-0.0951924	0.03976	-0.01561	0.73645
0.44991	-0.01866	0.6875	-0.20459	8.33E-06	-0.0897279	0.05265	0.032992	0.47693
0.93857	0.021493	0.64317	-0.13702	0.00301	-0.0733528	0.11341	0.081752	0.07758
0.2577	0.004432	0.92391	-0.14958	0.00119	-0.0405094	0.38243	0.13766	0.00287
0.65794	0.048304	0.29756	-0.10882	0.01866	-0.0460708	0.32049	0.07017	0.12998
0.91672	0.030152	0.5157	-0.13	0.0049	-0.0693089	0.13477	0.097613	0.03496
0.68579	0.066009	0.15439	-0.0998	0.03106	-0.0908197	0.04983	0.003204	0.94495
0.68226	0.033472	0.47055	-0.17323	0.00017	-0.1004663	0.02995	0.072834	0.11599
0.71815	0.047387	0.30685	-0.13012	0.00486	-0.0713585	0.12358	0.107277	0.02041
0.68364	0.036627	0.42973	-0.12431	0.00715	-0.0666532	0.1504	0.104882	0.02341
0.45461	0.120929	0.0089	-0.0038	0.93478	-0.0260577	0.57432	0.068446	0.1397
0.85197	0.004398	0.92448	-0.1421	0.00208	-0.0708827	0.12611	0.08286	0.07363
0.95593	-0.01311	0.77753	-0.12719	0.00591	-0.0968967	0.03632	-0.00797	0.86359
0.96455	0.025581	0.58135	-0.15076	0.00108	-0.0608123	0.18957	0.112262	0.01522
0.92524	0.039413	0.39545	-0.15694	0.00066	-0.0771685	0.09578	0.085177	0.0659
0.82987	0.028117	0.54444	-0.11007	0.01734	-0.0511243	0.27022	0.069876	0.1316
0.87902	-0.02276	0.62364	-0.16189	0.00044	-0.0750149	0.10544	0.010072	0.82815
0.96426	0.004275	0.92659	-0.14824	0.00132	-0.1392192	0.00257	-0.04221	0.36277
0.65989	0.004017	0.93102	-0.1392	0.00257	-0.0472502	0.30824	0.04305	0.35328
0.46048	0.07274	0.11646	-0.06741	0.14584	-0.0405775	0.38163	0.092153	0.04655
0.3615	0.040859	0.37833	-0.12434	0.00714	-0.1154219	0.01256	0.008772	0.85005
0.16711	-0.01367	0.76833	-0.16759	0.00028	-0.0756682	0.10243	0.096173	0.03775
0.60241	-0.13201	0.00427	-0.13487	0.0035	-0.053537	0.24822	-0.00334	0.94267
0.86847	0.032744	0.48025	-0.12967	0.00501	-0.1208274	0.00896	0.040643	0.38086
0.56042	0.046176	0.31938	-0.09287	0.04486	-0.0187582	0.68598	0.077729	0.09339
0.79562	0.091264	0.04872	0.016212	0.72676	-0.091194	0.04889	0.009531	0.83725
0.74664	-0.00526	0.90982	-0.20972	4.86E-06	-0.1006997	0.02957	0.056229	0.2252
0.94823	0.007255	0.87575	-0.18325	6.80E-05	-0.0580461	0.21054	0.070037	0.13071
0.49793	0.056599	0.22215	-0.15789	0.00062	-0.0621813	0.17978	0.137655	0.00287
0.89135	0.061237	0.18649	-0.03433	0.45924	-0.0116685	0.80143	0.086434	0.06199
0.87728	0.021007	0.65069	-0.1426	0.00201	-0.0746671	0.10707	0.081691	0.0778
0.80166	-0.01069	0.81774	-0.11556	0.01246	0.03730153	0.42127	0.069273	0.13497
0.47881	-9.21E-05	0.99842	-0.21274	3.52E-06	-0.1221144	0.00825	0.051038	0.27102
0.19453	0.086186	0.06275	-0.07657	0.0984	-0.0954241	0.03927	-0.01341	0.77254
0.87261	0.010731	0.8171	-0.09156	0.04798	-0.0769279	0.09683	0.067025	0.14813
0.74421	-0.01223	0.7921	-0.14863	0.00128	-0.0513829	0.2678	0.003129	0.94623
0.78455	0.149549	0.00119	-0.0006	0.98971	0.11871603	0.01024	0.237565	2.05E-07
0.71455	0.01993	0.6675	-0.14617	0.00154	-0.0533347	0.25002	0.124956	0.00686
0.61972	0.00225	0.96133	0.001523	0.97381	0.00619427	0.8938	0.010393	0.82276
0.60594	0.101764	0.02788	0.04811	0.29951	0.04182728	0.36713	0.077217	0.09558

0.13642	0.037392	0.42015	-0.12977	0.00497	-0.0377519	0.41569	0.065714	0.15625
0.16325	0.0414	0.37204	-0.11519	0.01274	-0.0203212	0.66138	0.108672	0.01882
0.78137	0.022983	0.62032	-0.07466	0.10712	0.02973875	0.52147	0.105168	0.02303
0.44046	0.023758	0.60857	-0.16805	0.00026	-0.0544937	0.23986	0.08517	0.06592
0.633	0.008167	0.86027	-0.1071	0.02062	-0.0341374	0.46176	0.03928	0.39705
0.98767	0.10725	0.02044	-0.07066	0.12729	-0.0571237	0.21789	0.081654	0.07794
0.3597	0.03577	0.4406	-0.04435	0.33892	0.02901854	0.53161	0.162956	0.00041
0.83004	-0.01262	0.78557	-0.22463	9.38E-07	-0.0996384	0.03133	0.062413	0.17815
0.51506	-0.03093	0.50492	-0.15803	0.00061	-0.1186275	0.0103	0.020719	0.65518
0.7508	0.115337	0.01263	-0.02536	0.58463	0.02173486	0.63943	0.115244	0.0127
0.50633	-0.00335	0.94241	-0.14486	0.0017	-0.0369434	0.42575	0.077476	0.09447
0.91107	0.024028	0.6045	-0.07076	0.12676	-0.0550907	0.23474	-0.03353	0.46979
0.47704	-0.03526	0.44714	-0.18755	4.53E-05	-0.0524614	0.25787	0.055737	0.22929
0.8824	0.070478	0.1283	-0.05755	0.21446	-0.0513762	0.26786	0.03826	0.40943
0.44299	0.045069	0.33114	-0.00576	0.9012	-0.0150076	0.74634	-0.01854	0.6894
0.6027	0.002813	0.95166	-0.00082	0.98593	0.01068883	0.8178	0.012606	0.78586
0.95736	0.047739	0.30326	-0.117	0.0114	-0.0688946	0.13712	0.081265	0.07937
0.72642	0.111339	0.01608	-0.08185	0.07721	-0.0525012	0.25751	0.050387	0.27719
0.01527	0.016098	0.72861	-0.13695	0.00302	-0.0594004	0.20007	0.105567	0.02251
0.81261	-0.10656	0.02127	-0.20783	5.93E-06	-0.0415714	0.37007	0.146974	0.00145
0.42249	-0.03536	0.44592	-0.15147	0.00102	-0.2225194	1.19E-06	-0.08945	0.0534
0.80006	0.052986	0.25313	-0.08005	0.08398	-0.0421633	0.36329	0.089552	0.05312
0.62644	0.102618	0.02659	-0.04666	0.31435	0.00980537	0.83263	0.13728	0.00295
0.74759	0.074588	0.10745	-0.02497	0.59037	-0.0212635	0.64672	0.039479	0.39466
0.82473	-0.0262	0.57218	-0.16789	0.00027	-0.071847	0.12103	0.068484	0.13948
0.92336	0.065189	0.15958	-0.06443	0.16449	-0.0814093	0.07884	0.070683	0.12719
0.73779	0.03393	0.46448	-0.1309	0.00461	-0.0740661	0.10993	0.087213	0.05967
0.06967	-0.45118	8.48E-25	-0.18324	6.81E-05	0.05657588	0.22235	0.100402	0.03005
0.78492	-0.45696	1.80E-25	-0.26159	9.58E-09	0.09925046	0.032	0.165263	0.00034
0.3068	-0.52055	8.66E-34	-0.26417	6.76E-09	0.06726797	0.14666	0.151432	0.00103
0.6553	-0.11875	0.01022	-0.08876	0.05527	0.10511283	0.0231	0.175384	0.00014
0.74671	-0.60431	7.95E-48	-0.37629	3.72E-17	-0.1188734	0.01014	-0.15381	0.00085
0.28172	-0.50058	5.48E-31	-0.29233	1.18E-10	-0.0732516	0.11391	-0.12478	0.00694
0.04532	-0.08796	0.0575	-0.13324	0.00392	0.07135838	0.12359	0.130304	0.0048
0.27231	-0.54041	9.11E-37	-0.40145	1.64E-19	-0.0503469	0.27758	-0.07424	0.10911
0.14742	-0.1962	1.95E-05	-0.05533	0.23274	0.08491987	0.06672	0.153103	0.0009
0.35863	-0.3987	3.04E-19	-0.192	2.96E-05	0.0120569	0.79497	0.055842	0.22841
4.56E-07	-0.27201	2.29E-09	-0.09142	0.04833	0.11145738	0.01597	0.073107	0.11463
0.08806	-0.57313	3.98E-42	-0.32334	7.95E-13	-0.0180933	0.69655	-0.00639	0.89042
0.0356	-0.43358	7.95E-23	-0.27614	1.28E-09	0.16984669	0.00023	0.305388	1.55E-11
0.62982	-0.57057	1.10E-41	-0.35358	3.38E-15	-0.003892	0.93315	0.009301	0.84112
0.9099	-0.37553	4.35E-17	-0.18346	6.67E-05	0.18480062	5.88E-05	0.308671	9.12E-12
0.62946	-0.17354	0.00016	-0.21194	3.83E-06	-0.1907019	3.35E-05	-0.24418	9.11E-08
8.74E-05	-0.28008	7.28E-10	-0.25774	1.60E-08	0.0994982	0.03158	0.312066	5.25E-12
0.71138	-0.39532	6.42E-19	-0.22387	1.02E-06	0.00274743	0.95278	0.077641	0.09376

0.51495	-0.20416	8.71E-06	-0.08863	0.05563	0.1868617	4.84E-05	0.198285	1.59E-05
1.30E-08	-0.24174	1.23E-07	-0.06013	0.1946	0.39321326	1.02E-18	0.275766	1.35E-09
0.05886	-0.39654	4.90E-19	-0.23775	2.01E-07	-0.0960604	0.03798	-0.03948	0.39462
0.06549	-0.34381	2.10E-14	-0.13435	0.00363	-0.0281875	0.54344	0.012232	0.79205
0.00093	-0.43416	6.86E-23	-0.07858	0.08987	0.10655963	0.02127	-0.0023	0.96051
0.54716	-0.27084	2.70E-09	-0.21614	2.43E-06	0.10319921	0.02574	0.268074	3.96E-09
0.02566	-0.27169	2.40E-09	-0.23109	4.44E-07	-0.0372132	0.42238	-0.02247	0.6281
0.32992	-0.33236	1.66E-13	-0.17701	0.00012	0.00771869	0.86788	-0.04921	0.28856
0.07403	-0.59059	3.04E-45	-0.32672	4.45E-13	-0.0843868	0.06846	-0.06813	0.14157
0.09882	-0.36824	1.91E-16	-0.25156	3.58E-08	-0.1100925	0.01731	-0.144	0.00181
0.6891	-0.41585	5.93E-21	-0.15068	0.00109	0.08345685	0.07157	0.107051	0.02068
0.05594	-0.4002	2.17E-19	-0.2043	8.58E-06	0.20714012	6.38E-06	0.331296	2.00E-13
1.57E-06	-0.25489	2.32E-08	0.101051	0.029	0.18544846	5.53E-05	0.073906	0.11071
0.00032	-0.40434	8.54E-20	-0.21924	1.72E-06	0.26958004	3.22E-09	0.279966	7.39E-10
0.72703	-0.22916	5.57E-07	-0.17089	0.00021	0.06295179	0.17443	-0.03014	0.5159
0.15676	-0.51936	1.29E-33	-0.33524	9.95E-14	-0.1980741	1.62E-05	-0.2739	1.76E-09
0.46833	-0.46018	7.48E-26	-0.17368	0.00016	0.02336812	0.61447	0.030833	0.50626
0.85606	-0.49483	3.25E-30	-0.3647	3.88E-16	-0.0338035	0.46615	0.074371	0.10847
0.46329	-0.40246	1.31E-19	-0.26276	8.19E-09	-0.2735455	1.85E-09	-0.1777	0.00011
0.60029	-0.58805	8.90E-45	-0.30745	1.11E-11	-0.1367217	0.00307	-0.14337	0.0019
0.86154	-0.41563	6.24E-21	-0.30814	9.93E-12	-0.1107838	0.01662	-0.02275	0.62385
0.31411	-0.46673	1.22E-26	-0.36303	5.40E-16	-0.0986122	0.03313	0.062144	0.18004
0.96823	-0.04541	0.32747	-0.02151	0.64289	0.14278218	0.00198	0.160224	0.00051
3.15E-06	-0.28032	7.02E-10	-0.15235	0.00096	0.12311285	0.00773	0.086858	0.06072
0.7812	-0.58036	2.15E-43	-0.35633	1.99E-15	-0.0214251	0.64422	0.031591	0.49585
2.76E-14	-0.37534	4.52E-17	-0.21334	3.29E-06	-0.0797445	0.08518	-0.13631	0.00316
0.79707	-0.38893	2.58E-18	-0.28046	6.88E-10	0.01977916	0.66987	0.129626	0.00502
0.00655	-0.46266	3.79E-26	-0.25509	2.27E-08	0.00418253	0.92817	-0.05104	0.27101
0.00543	-0.34745	1.07E-14	-0.17546	0.00014	0.19007952	3.56E-05	0.147541	0.00139
0.21997	-0.1614	0.00046	-0.00928	0.8414	0.18725149	4.67E-05	0.17133	0.0002
0.82288	-0.45392	4.07E-25	-0.26261	8.34E-09	-0.3337111	1.31E-13	-0.29303	1.06E-10
0.59948	-0.13759	0.00289	-0.14622	0.00153	0.0638253	0.16852	0.199754	1.37E-05
0.02256	-0.3447	1.79E-14	-0.24816	5.52E-08	-0.2372574	2.13E-07	-0.31184	5.44E-12
0.08888	-0.30003	3.60E-11	-0.15344	0.00088	0.04222982	0.36253	-0.03984	0.3904
1.96E-12	-0.17783	0.00011	-0.13646	0.00313	0.13239239	0.00416	0.174854	0.00015
0.51312	-0.39731	4.13E-19	-0.28612	3.00E-10	-0.0426298	0.358	0.144186	0.00178
0.77472	-0.55918	9.06E-40	-0.37269	7.78E-17	-0.0888353	0.05506	0.036963	0.42551
0.00021	-0.53181	1.87E-35	-0.31141	5.84E-12	-0.0314353	0.49798	-0.12517	0.00676
0.03441	-0.39999	2.28E-19	-0.20022	1.30E-05	0.11504008	0.01286	0.198047	1.62E-05
2.73E-11	-0.23664	2.29E-07	-0.16383	0.00038	0.06988557	0.13155	0.234743	2.88E-07
0.65926	-0.37055	1.20E-16	-0.15511	0.00077	0.30332637	2.15E-11	0.386997	3.92E-18
0.59931	-0.48294	1.16E-28	-0.36206	6.53E-16	0.03129982	0.49984	0.134137	0.00368
0.04108	-0.42231	1.27E-21	-0.17549	0.00014	0.10105175	0.029	0.079319	0.08686
0.58046	-0.15549	0.00075	-0.07426	0.10899	0.25797203	1.55E-08	0.437418	3.02E-23
0.18107	-0.29711	5.68E-11	-0.04077	0.37932	0.02730291	0.55616	-0.1418	0.00213

0.00826	-0.34984	6.85E-15	-0.27152	2.46E-09	-0.0332984	0.47285	-0.07896	0.08828
0.50344	-0.52816	6.60E-35	-0.27649	1.22E-09	-0.0974012	0.03536	-0.10349	0.02533
2.63E-15	-0.24943	4.70E-08	-0.14109	0.00224	0.07286754	0.11582	0.156495	0.00069
0.56259	-0.37052	1.21E-16	-0.26686	4.69E-09	-0.3597358	1.03E-15	-0.47667	7.25E-28
0.12472	-0.39864	3.08E-19	-0.268	4.00E-09	-0.209631	4.90E-06	-0.31073	6.53E-12
0.01558	-0.40256	1.28E-19	-0.17939	9.70E-05	0.14531288	0.00164	0.166855	0.00029
0.404	-0.44415	5.36E-24	-0.24489	8.34E-08	0.06505988	0.16042	0.137117	0.00299
0.01737	-0.09361	0.04317	-0.08255	0.07474	0.18699364	4.78E-05	0.405688	6.28E-20
0.01248	-0.52246	4.57E-34	-0.28598	3.07E-10	0.08484291	0.06697	0.045622	0.32523
1.44E-11	-0.42229	1.27E-21	-0.37946	1.93E-17	-0.0996093	0.03138	-0.02971	0.52187
1.22E-07	-0.38232	1.06E-17	-0.3377	6.40E-14	-0.2341467	3.09E-07	-0.34113	3.44E-14
0.34332	-0.50849	4.49E-32	-0.24399	9.33E-08	-0.1047047	0.02365	-0.11676	0.01157
0.99053	-0.39634	5.12E-19	-0.19812	1.61E-05	0.07662506	0.09815	0.127499	0.00579
0.35555	-0.33144	1.95E-13	-0.18095	8.41E-05	-0.0897806	0.05251	-0.0236	0.6109
0.51121	-0.32215	9.74E-13	-0.1977	1.68E-05	0.05931628	0.20071	0.195973	2.00E-05
0.9139	-0.45555	2.63E-25	-0.19494	2.21E-05	0.12027519	0.00928	0.169817	0.00023
0.86796	-0.39328	1.01E-18	-0.2144	2.93E-06	-0.0015239	0.9738	0.01405	0.76202
0.86718	-0.4943	3.83E-30	-0.25825	1.49E-08	0.00764394	0.86914	0.068741	0.138
5.63E-05	-0.36366	4.77E-16	-0.34404	2.02E-14	-0.1261391	0.00634	-0.09915	0.03219
1.03E-05	-0.36926	1.56E-16	-0.08834	0.05642	-0.0249903	0.59011	-0.09645	0.03721
0.01248	-0.34705	1.16E-14	-0.23469	2.90E-07	-0.0286917	0.53625	0.023917	0.60617
0.06583	-0.24349	9.92E-08	0.073899	0.11074	0.26017423	1.16E-08	0.045156	0.3302
0.36771	-0.35029	6.29E-15	-0.20566	7.45E-06	0.17988078	9.28E-05	0.360108	9.57E-16
0.00063	-0.20453	8.38E-06	-0.18228	7.44E-05	0.0517574	0.26432	0.025719	0.5793
0.74337	-0.32754	3.86E-13	-0.39472	7.33E-19	-0.155391	0.00075	-0.01929	0.67757
5.97E-05	-0.20958	4.93E-06	0.106604	0.02121	0.05635196	0.22418	0.071927	0.12061
0.00117	-0.30674	1.25E-11	-0.23928	1.67E-07	0.16901846	0.00024	0.332927	1.50E-13
0.71656	-0.57365	3.23E-42	-0.28521	3.43E-10	-0.0650872	0.16024	-0.15422	0.00083
0.10613	-0.33951	4.61E-14	-0.18758	4.52E-05	0.3106328	6.63E-12	0.434495	6.31E-23
1.13E-05	-0.34879	8.34E-15	-0.13219	0.00422	0.14880653	0.00126	0.137523	0.0029
0.38001	-0.11183	0.01562	-0.02018	0.66363	-0.0166479	0.71973	0.049294	0.28776
0.97212	-0.48175	1.65E-28	-0.31805	1.95E-12	-0.2145555	2.89E-06	-0.193	2.68E-05
0.02916	0.135218	0.00341	0.112283	0.0152	0.09135003	0.0485	0.105491	0.02261
0.16512	-0.2573	1.69E-08	-0.24741	6.08E-08	-0.0196842	0.67136	0.083399	0.07177
0.08922	-0.16616	0.00031	-0.15969	0.00053	-0.0512176	0.26934	0.006326	0.89156
0.09645	-0.19129	3.17E-05	-0.16046	0.0005	-0.0393623	0.39606	0.079825	0.08486
0.05404	-0.1175	0.01104	-0.10627	0.02162	-0.0271471	0.55842	0.03103	0.50354
0.68324	-0.17241	0.00018	-0.11677	0.01156	-0.0289138	0.5331	0.058454	0.20734
0.27046	-0.30955	7.91E-12	-0.29688	5.88E-11	-0.174404	0.00015	-0.16336	0.00039
0.35348	-0.29514	7.70E-11	-0.10128	0.02863	0.07038929	0.12878	-0.06485	0.16178
0.27409	-0.37319	7.04E-17	-0.23084	4.57E-07	-0.0440193	0.34253	-0.05112	0.27025
0.32177	-0.34145	3.24E-14	-0.21697	2.22E-06	-0.0712018	0.12441	-0.11315	0.01443
0.06921	-0.12747	0.00581	0.088067	0.05721	0.04122287	0.3741	0.017569	0.70493
0.57005	-0.53975	1.15E-36	-0.3231	8.28E-13	-0.0450339	0.33151	-0.11181	0.01564
0.00318	-0.49591	2.34E-30	-0.34407	2.00E-14	-0.0554872	0.23139	-0.01826	0.69381

0.38533	-0.48324	1.07E-28	-0.33735	6.81E-14	0.01602616	0.72978	0.1877	4.47E-05
0.12633	-0.36399	4.46E-16	-0.16856	0.00025	-0.0919111	0.04713	-0.17428	0.00015
0.30308	-0.52847	5.92E-35	-0.35073	5.79E-15	-0.3305124	2.30E-13	-0.37763	2.82E-17
0.36056	-0.45707	1.75E-25	-0.34087	3.60E-14	0.15090266	0.00107	0.213455	3.25E-06
0.26276	-0.26419	6.75E-09	-0.26433	6.62E-09	-0.0061672	0.89426	0.171024	0.0002
4.19E-31	-0.2291	5.60E-07	-0.24187	1.21E-07	0.05332656	0.25009	0.248638	5.20E-08
0.16324	-0.15249	0.00095	-0.1081	0.01946	0.09966456	0.03129	0.154362	0.00082
0.85895	-0.57705	8.24E-43	-0.23341	3.38E-07	0.0210264	0.65039	-0.0752	0.10459
0.00644	-0.37322	6.98E-17	-0.12899	0.00524	0.2904257	1.58E-10	0.391023	1.64E-18
0.00061	-0.3857	5.16E-18	-0.21509	2.72E-06	0.10655612	0.02127	0.223205	1.10E-06
0.88741	-0.20505	7.94E-06	-0.07129	0.12392	0.13543945	0.00336	0.144435	0.00175
0.28165	-0.41516	6.97E-21	-0.25764	1.62E-08	-0.2405642	1.42E-07	-0.35512	2.51E-15
0.17021	-0.31655	2.50E-12	-0.11142	0.016	-0.132663	0.00408	-0.23767	2.03E-07
0.00866	-0.08381	0.07037	0.036265	0.4343	0.27191138	2.33E-09	0.297208	5.59E-11
0.18401	-0.3681	1.97E-16	-0.17581	0.00013	-0.1117789	0.01566	-0.17698	0.00012
0.40976	-0.49733	1.51E-30	-0.3168	2.40E-12	0.02589829	0.57667	0.16168	0.00045
0.52425	-0.48705	3.43E-29	-0.21712	2.18E-06	0.13146193	0.00443	0.144672	0.00172
0.79338	-0.51452	6.35E-33	-0.31961	1.50E-12	-0.0151159	0.74457	0.131344	0.00447
0.43921	-0.19699	1.80E-05	-0.03512	0.44901	0.17833456	0.00011	0.126839	0.00606
0.00305	-0.45197	6.87E-25	-0.29825	4.76E-11	0.14046398	0.00235	0.134748	0.00353
0.80306	-0.39269	1.14E-18	-0.34014	4.11E-14	-0.0329772	0.47713	-0.01177	0.79966
0.10441	-0.25051	4.10E-08	-0.15747	0.00064	0.13174001	0.00435	0.272498	2.14E-09
5.65E-11	-0.18402	6.33E-05	-0.20143	1.15E-05	-0.0497959	0.28288	-0.01757	0.70497
2.31E-08	-0.30741	1.12E-11	-0.17962	9.50E-05	0.05375618	0.24629	0.097702	0.03479
0.36552	-0.36003	9.73E-16	-0.20735	6.24E-06	0.08678129	0.06095	0.142963	0.00195
0.00019	-0.3292	2.89E-13	-0.13951	0.00251	0.07691606	0.09688	0.096805	0.0365
0.04617	-0.26701	4.59E-09	-0.15457	0.0008	0.22029737	1.53E-06	0.351863	4.67E-15
0.32179	-0.36549	3.32E-16	-0.17145	0.0002	0.01811578	0.69619	0.081012	0.08031
0.62164	-0.40669	5.00E-20	-0.20927	5.10E-06	-0.0694387	0.13404	-0.03831	0.40879
7.54E-05	-0.28369	4.30E-10	-0.17014	0.00022	0.11634867	0.01187	-0.05073	0.27396
0.16875	-0.17685	0.00012	0.018691	0.68705	0.23066517	4.67E-07	0.146519	0.0015
0.00019	-0.37697	3.23E-17	-0.17748	0.00012	0.16502368	0.00034	0.205395	7.66E-06
0.75329	-0.30905	8.58E-12	-0.1806	8.69E-05	-0.0136749	0.76819	-0.12624	0.0063
0.28764	-0.38759	3.45E-18	-0.13149	0.00442	0.18685681	4.84E-05	0.167835	0.00027
0.69192	-0.30993	7.43E-12	-0.08624	0.06258	0.26779396	4.12E-09	0.358749	1.25E-15
0.659	-0.14783	0.00136	-0.09995	0.0308	-0.0925745	0.04556	-0.14965	0.00118
0.05042	-0.48763	2.88E-29	-0.35782	1.49E-15	0.10065242	0.02964	0.252516	3.16E-08
0.42784	-0.48924	1.78E-29	-0.39676	4.67E-19	-0.1962269	1.95E-05	-0.26197	9.09E-09
0.13575	-0.40113	1.76E-19	-0.25088	3.90E-08	-0.2474819	6.02E-08	-0.31674	2.42E-12
0.16353	-0.48649	4.05E-29	-0.29083	1.48E-10	-0.0934584	0.04352	-0.15494	0.00078
0.02374	-0.2078	5.95E-06	-0.04103	0.37636	-0.0593431	0.20051	-0.15734	0.00064
0.06856	-0.33381	1.28E-13	-0.23302	3.53E-07	-0.0908423	0.04977	-0.1019	0.02767
0.30723	-0.38145	1.27E-17	-0.1968	1.84E-05	0.09664275	0.03682	0.113373	0.01423
0.04681	-0.17326	0.00017	-0.15163	0.00101	-0.145613	0.0016	-0.01186	0.7982
1.34E-06	-0.31116	6.09E-12	-0.32474	6.25E-13	0.03971882	0.39179	0.232605	3.71E-07



0.12702	-0.5248	2.07E-34	-0.37087	1.13E-16	0.03004817	0.51715	0.101944	0.0276
0.04647	-0.54461	2.02E-37	-0.30789	1.03E-11	0.03487355	0.45215	0.042412	0.36046
0.1488	-0.45638	2.10E-25	-0.21567	2.55E-06	0.16849695	0.00025	0.280209	7.14E-10
0.47602	-0.45552	2.65E-25	-0.14793	0.00135	0.19793008	1.64E-05	0.177032	0.00012
0.46317	-0.52753	8.19E-35	-0.27666	1.19E-09	0.03265758	0.48141	0.085756	0.06408
0.72818	-0.28989	1.71E-10	-0.16873	0.00025	0.0027274	0.95313	0.004874	0.91634
0.89909	-0.25351	2.78E-08	-0.07404	0.11007	0.02861544	0.53733	-0.07281	0.1161
0.00277	-0.09462	0.04097	-0.10718	0.02052	0.07910926	0.0877	0.168149	0.00026
0.4489	-0.36558	3.26E-16	-0.21802	1.97E-06	0.10007194	0.0306	0.209702	4.87E-06
0.12147	-0.16025	0.00051	0.0054	0.90735	0.40954871	2.59E-20	0.495966	2.30E-30
0.31251	-0.54518	1.64E-37	-0.36979	1.40E-16	0.03940565	0.39554	-0.0657	0.15634
0.43499	-0.46905	6.37E-27	-0.2438	9.54E-08	0.10529855	0.02286	0.194918	2.22E-05
0.16874	0.025643	0.58044	0.059531	0.19908	0.24269216	1.10E-07	0.313947	3.85E-12
0.06622	0.414478	8.19E-21	0.428312	2.94E-22	0.37676434	3.37E-17	0.336212	8.36E-14
0.21052	-0.39748	3.98E-19	-0.16808	0.00026	0.07964906	0.08555	0.156641	0.00068
0.23736	-0.3879	3.23E-18	-0.24766	5.88E-08	-0.1425244	0.00202	-0.24075	1.39E-07
0.66452	-0.37236	8.32E-17	-0.15379	0.00085	0.23726764	2.13E-07	0.256857	1.80E-08
0.00014	-0.39639	5.07E-19	-0.2465	6.81E-08	-0.0048618	0.91655	0.154409	0.00081
0.01537	-0.27879	8.76E-10	-0.35145	5.05E-15	-0.0975193	0.03514	0.10112	0.02889
0.06826	-0.3574	1.62E-15	-0.17277	0.00018	0.1141077	0.01361	0.181656	7.88E-05
0.00299	-0.41234	1.35E-20	-0.23115	4.41E-07	-0.0255238	0.58219	-0.08676	0.061
0.05503	-0.50118	4.54E-31	-0.249	4.96E-08	0.19350147	2.55E-05	0.292113	1.22E-10
0.00024	-0.21855	1.86E-06	0.005056	0.91323	0.20812663	5.75E-06	0.076556	0.09846
0.56819	-0.25786	1.57E-08	0.032179	0.48787	0.42925912	2.33E-22	0.563255	1.91E-40
8.22E-07	-0.41963	2.42E-21	-0.20146	1.15E-05	0.13219082	0.00422	0.205944	7.23E-06
0.27287	-0.52109	7.21E-34	-0.33184	1.82E-13	0.0595764	0.19874	0.07608	0.10058
0.68654	-0.48214	1.47E-28	-0.28336	4.51E-10	0.09507764	0.04	0.067129	0.1475
2.16E-24	-0.24202	1.19E-07	-0.09096	0.04947	0.13526446	0.0034	0.282164	5.37E-10
0.51263	-0.35834	1.35E-15	-0.21227	3.70E-06	0.03875395	0.40341	0.182078	7.58E-05
4.24E-10	-0.51532	4.89E-33	-0.25611	1.98E-08	0.15051129	0.0011	0.068398	0.13998
0.77864	-0.54428	2.27E-37	-0.4448	4.53E-24	-0.2221599	1.24E-06	-0.23891	1.74E-07
7.86E-06	-0.22887	5.75E-07	-0.12082	0.00896	0.24869954	5.16E-08	0.312433	4.94E-12
0.78225	-0.3454	1.57E-14	-0.2839	4.17E-10	-0.1636646	0.00038	-0.1916	3.07E-05
0.25195	-0.31089	6.36E-12	-0.21567	2.55E-06	-0.0479127	0.3015	0.052288	0.25945
0.00437	-0.37413	5.80E-17	-0.02222	0.63204	0.28649545	2.84E-10	0.22391	1.02E-06
0.00521	-0.34263	2.61E-14	-0.30271	2.36E-11	-0.1770413	0.00012	-0.1907	3.35E-05
0.28436	-0.44801	1.95E-24	-0.17743	0.00012	0.27943374	7.98E-10	0.332377	1.65E-13
0.43737	0.362095	6.49E-16	0.535055	6.05E-36	0.46603709	1.48E-26	0.579341	3.26E-43
0.04176	0.210279	4.58E-06	0.355306	2.42E-15	0.52872313	5.44E-35	0.678992	2.11E-64
0.12301	0.437253	3.15E-23	0.407505	4.14E-20	0.59333518	9.48E-46	0.725592	1.67E-77
0.13808	0.529873	3.66E-35	0.378902	2.16E-17	0.38050361	1.55E-17	0.602597	1.69E-47
0.80766	0.468462	7.52E-27	0.483334	1.04E-28	0.6131067	1.50E-49	0.698207	1.69E-69
0.64461	0.390533	1.83E-18	0.397996	3.55E-19	0.47893584	3.76E-28	0.398848	2.94E-19
0.00018	0.278999	8.50E-10	0.345455	1.55E-14	0.72131437	3.43E-76	0.807108	#####
0.00838	0.443875	5.76E-24	0.486079	4.59E-29	0.38624792	4.60E-18	0.350726	5.79E-15

0.86401	0.363537	4.89E-16	0.292047	1.23E-10	0.4151128	7.06E-21	0.37943	1.94E-17
0.86758	0.469345	5.87E-27	0.498504	1.05E-30	0.63778686	1.09E-54	0.682677	2.38E-65
0.01098	0.229634	5.27E-07	0.34714	1.14E-14	0.68609321	3.07E-66	0.740579	2.60E-82
0.16319	0.489561	1.62E-29	0.482034	1.52E-28	0.56504136	9.56E-41	0.775821	4.75E-95
0.46774	0.446188	3.15E-24	0.449205	1.43E-24	0.55011626	2.70E-38	0.755545	1.87E-87
0.09848	0.244033	9.27E-08	0.461312	5.49E-26	0.52737562	8.63E-35	0.33716	7.05E-14
0.2958	0.568631	2.36E-41	0.431268	1.41E-22	0.45967049	8.60E-26	0.603501	1.14E-47
0.01766	0.393462	9.66E-19	0.415093	7.09E-21	0.53999259	1.06E-36	0.749797	1.95E-85
0.00304	0.31788	2.00E-12	0.333909	1.26E-13	0.33968392	4.47E-14	0.39702	4.41E-19
0.8212	0.388913	2.59E-18	0.458576	1.16E-25	0.64713784	9.20E-57	0.762108	7.87E-90
0.62331	0.458594	1.15E-25	0.485866	4.89E-29	0.43530757	5.14E-23	0.418648	3.05E-21
0.00861	0.508043	5.17E-32	0.579413	3.16E-43	0.64241634	1.04E-55	0.508358	4.68E-32
0.01738	0.295599	7.17E-11	0.440615	1.33E-23	0.58822198	8.27E-45	0.746063	3.73E-84
0.83787	0.561768	3.38E-40	0.472315	2.53E-27	0.56913508	1.93E-41	0.736682	4.97E-81
0.0554	0.492912	5.85E-30	0.555802	3.25E-39	0.55252237	1.11E-38	0.535569	5.05E-36
0.50304	0.283586	4.36E-10	0.38678	4.10E-18	0.63240179	1.57E-53	0.701429	2.16E-70
0.41751	0.361695	7.02E-16	0.460047	7.76E-26	0.56426898	1.29E-40	0.764306	1.21E-90
0.30568	0.537038	3.01E-36	0.489177	1.81E-29	0.61519719	5.73E-50	0.658169	2.65E-59
0.03327	0.435374	5.06E-23	0.440747	1.29E-23	0.681692	4.28E-65	0.719938	8.98E-76
0.01583	0.454776	3.24E-25	0.435931	4.40E-23	0.30164473	2.80E-11	0.312496	4.89E-12
0.97227	0.512622	1.18E-32	0.476535	7.54E-28	0.61935351	8.28E-51	0.758719	1.35E-88
0.0112	0.472859	2.17E-27	0.296101	6.64E-11	0.3863119	4.53E-18	0.440324	1.44E-23
0.37062	0.535645	4.92E-36	0.681388	5.13E-65	0.76295753	3.83E-90	0.812169	#####
0.7736	0.509752	2.99E-32	0.632391	1.58E-53	0.55707099	2.02E-39	0.609146	9.09E-49
0.12211	0.519322	1.30E-33	0.64737	8.15E-57	0.715023	2.65E-74	0.692551	5.88E-68
0.48528	0.373399	6.74E-17	0.564412	1.22E-40	0.7814705	2.61E-97	0.803469	#####
0.00819	0.349808	6.89E-15	0.457733	1.46E-25	0.512734	1.14E-32	0.61786	1.66E-50
0.02195	0.269316	3.34E-09	0.459732	8.46E-26	0.71507905	2.55E-74	0.821514	#####
0.54285	0.345692	1.49E-14	0.336749	7.59E-14	0.57852891	4.53E-43	0.686116	3.02E-66
0.03591	0.377057	3.17E-17	0.386181	4.66E-18	0.4171493	4.36E-21	0.380919	1.42E-17
0.02068	0.320665	1.25E-12	0.321438	1.10E-12	0.48126268	1.90E-28	0.577141	7.95E-43
0.69137	0.468922	6.61E-27	0.431909	1.21E-22	0.5566627	2.35E-39	0.638855	6.35E-55
0.12047	0.159778	0.00053	0.34626	1.34E-14	0.65144168	9.66E-58	0.767351	8.77E-92
0.006	0.373556	6.52E-17	0.569483	1.69E-41	0.59149727	2.07E-45	0.667685	1.39E-61
0.81787	0.492869	5.93E-30	0.555193	4.08E-39	0.56362684	1.65E-40	0.667271	1.76E-61
0.37325	0.551565	1.58E-38	0.428408	2.87E-22	0.56919273	1.89E-41	0.739145	7.75E-82
0.52872	0.227797	6.52E-07	0.343733	2.13E-14	0.62525196	5.06E-52	0.763181	3.17E-90
0.04764	0.387687	3.38E-18	0.611104	3.74E-49	0.53338313	1.09E-35	0.368979	1.65E-16
0.25875	0.481009	2.05E-28	0.535845	4.59E-36	0.56577343	7.19E-41	0.645434	2.22E-56
0.06081	0.314789	3.35E-12	0.345502	1.54E-14	0.23574691	2.55E-07	0.247324	6.14E-08
0.68436	0.401787	1.52E-19	0.554837	4.67E-39	0.39573949	5.85E-19	0.365769	3.14E-16
0.22361	0.509052	3.74E-32	0.463462	3.03E-26	0.41368368	9.87E-21	0.62229	2.07E-51
0.37846	0.154816	0.00079	0.395457	6.23E-19	0.62736881	1.83E-52	0.670333	3.12E-62
0.00088	0.369807	1.40E-16	0.595178	4.30E-46	0.4679187	8.76E-27	0.411483	1.65E-20
0.56268	0.489089	1.86E-29	0.375548	4.33E-17	0.48990123	1.46E-29	0.687124	1.64E-66

0.00904	0.373131	7.12E-17	0.448068	1.93E-24	0.49570599	2.49E-30	0.588487	7.40E-45
0.16426	0.426376	4.72E-22	0.507472	6.21E-32	0.61940147	8.09E-51	0.757428	3.96E-88
0.6461	0.288066	2.25E-10	0.500669	5.34E-31	0.61799603	1.56E-50	0.708237	2.53E-72
0.66937	0.400137	2.20E-19	0.280519	6.82E-10	0.55590795	3.12E-39	0.739802	4.71E-82
0.10696	0.388436	2.87E-18	0.589795	4.27E-45	0.55709177	2.00E-39	0.476117	8.51E-28
0.45935	0.348059	9.56E-15	0.52311	3.67E-34	0.54523997	1.60E-37	0.521481	6.34E-34
0.51964	0.469826	5.12E-27	0.460742	6.42E-26	0.40390886	9.41E-20	0.568061	2.95E-41
0.7326	0.410368	2.14E-20	0.345972	1.41E-14	0.52246894	4.55E-34	0.440328	1.44E-23
0.63426	0.435301	5.15E-23	0.545018	1.74E-37	0.64822385	5.23E-57	0.738064	1.76E-81
0.94184	0.189376	3.81E-05	0.435432	4.98E-23	0.66704113	2.00E-61	0.728735	1.74E-78
0.00102	0.185048	5.75E-05	0.263217	7.69E-09	0.49296736	5.75E-30	0.599976	5.37E-47
0.16902	0.263017	7.90E-09	0.36741	2.26E-16	0.4981885	1.16E-30	0.650096	1.96E-57
0.29706	0.342908	2.48E-14	0.382307	1.06E-17	0.59272661	1.23E-45	0.757235	4.64E-88
0.12462	0.384232	7.06E-18	0.361538	7.24E-16	0.49148595	9.03E-30	0.664094	1.03E-60
0.34073	0.237861	1.98E-07	0.370608	1.19E-16	0.74306309	3.86E-83	0.845285	#####
0.71928	0.35185	4.68E-15	0.387131	3.80E-18	0.41041176	2.12E-20	0.397323	4.12E-19
0.31355	0.446689	2.77E-24	0.509676	3.06E-32	0.54724464	7.73E-38	0.457427	1.58E-25
0.31975	0.41381	9.59E-21	0.503153	2.45E-31	0.62829746	1.17E-52	0.764447	1.07E-90
0.31771	-0.01267	0.78478	0.166561	0.0003	0.29276073	1.11E-10	0.445891	3.41E-24
0.01035	0.388916	2.59E-18	0.461262	5.56E-26	0.5597843	7.21E-40	0.725529	1.74E-77
0.06434	0.364234	4.26E-16	0.442733	7.74E-24	0.58463244	3.70E-44	0.727113	5.60E-78
0.5671	0.428643	2.71E-22	0.468306	7.86E-27	0.70619468	9.74E-72	0.682293	2.99E-65
0.35645	0.496113	2.19E-30	0.491976	7.78E-30	0.5471993	7.86E-38	0.482626	1.28E-28
0.35639	0.332586	1.59E-13	0.379655	1.85E-17	0.75183219	3.81E-86	0.79583	#####
0.58986	0.318697	1.75E-12	0.53664	3.47E-36	0.42399532	8.44E-22	0.384271	7.00E-18
0.72045	0.522768	4.11E-34	0.517792	2.16E-33	0.638575	7.31E-55	0.683627	1.35E-65
0.9004	0.37416	5.76E-17	0.516219	3.64E-33	0.76665601	1.60E-91	0.782222	1.29E-97
0.8401	0.47256	2.36E-27	0.497981	1.23E-30	0.57607325	1.22E-42	0.679915	1.22E-64
0.98151	0.400964	1.83E-19	0.55922	8.93E-40	0.65307997	4.06E-58	0.619472	7.83E-51
0.28157	0.412388	1.34E-20	0.36395	4.50E-16	0.50904203	3.75E-32	0.566363	5.72E-41
0.3282	0.410337	2.15E-20	0.426727	4.34E-22	0.45109439	8.66E-25	0.612911	1.64E-49
0.02219	0.474617	1.31E-27	0.4179	3.65E-21	0.47443008	1.38E-27	0.63731	1.38E-54
0.00365	0.458165	1.30E-25	0.459495	9.02E-26	0.54736956	7.39E-38	0.526633	1.11E-34
0.24916	0.3239	7.23E-13	0.322284	9.52E-13	0.50474215	1.48E-31	0.665723	4.18E-61
0.94465	0.329097	2.94E-13	0.35985	1.01E-15	0.62717029	2.01E-52	0.790154	#####
0.49115	0.516718	3.08E-33	0.314985	3.24E-12	0.50627286	9.10E-32	0.631302	2.70E-53
0.69817	0.469514	5.59E-27	0.603109	1.35E-47	0.66273606	2.19E-60	0.765013	6.61E-91
0.76738	0.413464	1.04E-20	0.363951	4.50E-16	0.51072033	2.19E-32	0.592764	1.21E-45
0.0583	0.510221	2.57E-32	0.598227	1.15E-46	0.53291751	1.28E-35	0.513755	8.16E-33
0.98154	0.63352	9.08E-54	0.537623	2.45E-36	0.59999553	5.32E-47	0.721277	3.52E-76
0.17577	0.542667	4.06E-37	0.440342	1.43E-23	0.51038936	2.43E-32	0.617124	2.34E-50
0.18298	0.454834	3.19E-25	0.529342	4.40E-35	0.51932321	1.30E-33	0.668928	6.92E-62
0.02319	0.460377	7.09E-26	0.394662	7.42E-19	0.5955209	3.71E-46	0.64717	9.04E-57
0.10201	0.220871	1.44E-06	0.280191	7.15E-10	0.33302012	1.48E-13	0.512124	1.39E-32
0.39652	0.456618	1.97E-25	0.444924	4.38E-24	0.59137397	2.19E-45	0.694537	1.71E-68

0.17549	0.530261	3.20E-35	0.438714	2.17E-23	0.55915519	9.15E-40	0.661067	5.47E-60
0.95105	0.433586	7.93E-23	0.561008	4.52E-40	0.71952656	1.20E-75	0.816277	#####
0.15403	0.411255	1.74E-20	0.5091	3.68E-32	0.52805976	6.83E-35	0.551508	1.61E-38
0.16212	0.460161	7.52E-26	0.492888	5.89E-30	0.47038771	4.37E-27	0.552472	1.13E-38
0.14095	0.141292	0.00221	0.206705	6.68E-06	0.26663568	4.83E-09	0.458884	1.07E-25
0.88123	0.549566	3.30E-38	0.498932	9.17E-31	0.56468472	1.10E-40	0.695062	1.23E-68
0.07499	0.509247	3.51E-32	0.685936	3.37E-66	0.57054221	1.11E-41	0.607705	1.74E-48
0.35348	0.175533	0.00014	0.16429	0.00036	0.31135662	5.89E-12	0.487996	2.59E-29
0.73782	0.089571	0.05307	0.313651	4.04E-12	0.39374822	9.07E-19	0.596329	2.62E-46
0.64422	0.362935	5.50E-16	0.44505	4.24E-24	0.4410957	1.18E-23	0.611061	3.81E-49
0.07038	0.343311	2.31E-14	0.527429	8.47E-35	0.63443174	5.78E-54	0.663336	1.57E-60
0.25177	0.526226	1.28E-34	0.453876	4.12E-25	0.532571	1.44E-35	0.663464	1.46E-60
0.82769	0.465158	1.90E-26	0.511899	1.49E-32	0.58470735	3.59E-44	0.789473	#####
0.00478	0.068154	0.1414	0.256061	1.99E-08	0.4127306	1.23E-20	0.59804	1.25E-46
0.09061	0.419502	2.49E-21	0.496013	2.26E-30	0.52359079	3.12E-34	0.676789	7.64E-64
0.02877	0.098087	0.03408	0.426923	4.13E-22	0.5316684	1.97E-35	0.615588	4.78E-50
0.48197	0.376033	3.92E-17	0.525328	1.73E-34	0.72513447	2.31E-77	0.71088	4.36E-73
0.69732	0.34093	3.56E-14	0.418433	3.21E-21	0.59248554	1.36E-45	0.623809	1.01E-51
0.28749	0.406506	5.21E-20	0.676722	7.95E-64	0.69110912	1.44E-67	0.623001	1.48E-51
0.99556	0.44904	1.49E-24	0.587859	9.63E-45	0.73394953	3.82E-80	0.719677	1.08E-75
0.90958	0.354707	2.72E-15	0.479105	3.58E-28	0.57770516	6.33E-43	0.747176	1.56E-84
0.89915	0.332262	1.69E-13	0.470705	3.99E-27	0.46782972	8.98E-27	0.335491	9.51E-14
0.46873	0.403296	1.08E-19	0.518521	1.70E-33	0.41506547	7.14E-21	0.489052	1.88E-29
0.66344	0.557893	1.48E-39	0.505258	1.26E-31	0.64378306	5.19E-56	0.701507	2.05E-70
0.99281	0.424325	7.79E-22	0.423208	1.02E-21	0.54396057	2.55E-37	0.700999	2.84E-70
0.86334	0.373902	6.08E-17	0.592308	1.47E-45	0.67936771	1.69E-64	0.759208	9.02E-89
0.31766	0.208454	5.56E-06	0.406212	5.57E-20	0.67155186	1.56E-62	0.808238	#####
0.58576	0.466271	1.39E-26	0.491898	7.96E-30	0.4553729	2.76E-25	0.583209	6.67E-44
0.50524	0.336242	8.32E-14	0.489839	1.49E-29	0.71864525	2.20E-75	0.808686	#####
0.13109	0.576578	9.98E-43	0.575165	1.76E-42	0.62512664	5.37E-52	0.626551	2.71E-52
0.22799	0.575734	1.40E-42	0.445389	3.88E-24	0.50184803	3.69E-31	0.638323	8.30E-55
0.30337	0.433912	7.31E-23	0.59258	1.31E-45	0.60604179	3.67E-48	0.708869	1.67E-72
0.00446	0.418812	2.94E-21	0.443118	7.00E-24	0.42118592	1.66E-21	0.403719	9.82E-20
0.01817	0.432437	1.06E-22	0.391236	1.57E-18	0.48895474	1.94E-29	0.640235	3.16E-55
0.85688	0.459093	1.01E-25	0.465765	1.60E-26	0.55078923	2.10E-38	0.600919	3.55E-47
0.0142	0.318104	1.93E-12	0.501482	4.14E-31	0.3814368	1.27E-17	0.334416	1.15E-13
0.02171	0.196262	1.94E-05	0.337341	6.83E-14	0.41074583	1.96E-20	0.400154	2.19E-19
0.08299	-0.06929	0.1349	0.272734	2.07E-09	0.66332343	1.58E-60	0.702476	1.10E-70
0.81846	0.386667	4.20E-18	0.474767	1.25E-27	0.54253635	4.26E-37	0.68859	6.73E-67
0.36963	0.436159	4.15E-23	0.535948	4.42E-36	0.563191	1.95E-40	0.674878	2.32E-63
0.75399	0.466806	1.20E-26	0.558189	1.32E-39	0.57340853	3.56E-42	0.589229	5.42E-45
0.2115	0.276854	1.16E-09	0.402268	1.36E-19	0.70055004	3.79E-70	0.803409	#####
0.35924	0.445523	3.75E-24	0.53159	2.02E-35	0.55246193	1.13E-38	0.622382	1.99E-51
0.40663	0.326854	4.34E-13	0.398445	3.21E-19	0.50769992	5.77E-32	0.695426	9.78E-69
0.31459	0.505384	1.21E-31	0.405402	6.70E-20	0.47614743	8.43E-28	0.703013	7.76E-71

0.12703	0.384221	7.08E-18	0.366459	2.74E-16	0.46207437	4.45E-26	0.613433	1.29E-49
0.58573	0.40279	1.21E-19	0.331485	1.94E-13	0.60307797	1.37E-47	0.729404	1.07E-78
0.17884	0.514287	6.85E-33	0.605282	5.15E-48	0.59844616	1.05E-46	0.635455	3.48E-54
0.90834	0.356151	2.06E-15	0.324968	6.02E-13	0.47767348	5.42E-28	0.383284	8.63E-18
0.32235	0.413928	9.32E-21	0.532346	1.56E-35	0.63261459	1.42E-53	0.783719	3.15E-98
0.38807	0.487429	3.06E-29	0.416434	5.17E-21	0.47780072	5.23E-28	0.62734	1.85E-52
0.17379	0.480323	2.51E-28	0.554074	6.21E-39	0.5099362	2.81E-32	0.661113	5.33E-60
0.05896	0.430695	1.63E-22	0.485702	5.13E-29	0.60807078	1.48E-48	0.677052	6.56E-64
0.17444	0.157291	0.00065	0.196282	1.94E-05	0.29704308	5.74E-11	0.575375	1.62E-42
0.26769	0.317912	1.99E-12	0.472348	2.50E-27	0.52898911	4.96E-35	0.400618	1.98E-19
0.08636	0.43009	1.89E-22	0.305428	1.54E-11	0.5540195	6.34E-39	0.652041	7.04E-58
0.00304	-0.02991	0.51913	0.024023	0.60457	0.15982003	0.00053	0.157013	0.00066
7.40E-13	-0.04542	0.32733	-0.00397	0.93176	0.08202349	0.0766	0.060173	0.19427
6.81E-22	-0.14332	0.0019	-0.13332	0.0039	-0.0091586	0.84352	0.042978	0.35408
0.2189	-0.01732	0.70897	-0.04505	0.33129	0.00333775	0.94265	-0.01763	0.70393
1.27E-35	-0.04512	0.33059	0.046166	0.31948	0.03114186	0.502	0.00696	0.88075
3.96E-19	0.025034	0.58945	0.048888	0.29175	0.00141822	0.97562	-0.04615	0.31961
5.38E-18	-0.1106	0.0168	0.012591	0.7861	0.10536964	0.02277	0.07043	0.12856
4.46E-20	-0.03239	0.48495	-0.08681	0.06087	-0.0213931	0.64471	0.048171	0.2989
1.05E-11	0.008862	0.84853	0.035353	0.44596	0.07402427	0.11014	0.092759	0.04512
2.23E-06	-0.03318	0.47445	0.011975	0.79632	0.01974726	0.67037	0.000788	0.98644
2.22E-07	-0.13589	0.00326	-0.03437	0.45878	0.07473504	0.10675	0.007767	0.86705
0.0001	0.048583	0.29478	0.045151	0.33026	0.05101975	0.2712	0.054749	0.23766
5.70E-08	-0.00523	0.91031	0.042183	0.36306	0.09286688	0.04487	0.084759	0.06724
9.63E-40	0.011745	0.80017	0.048836	0.29227	0.10397059	0.02465	0.12978	0.00497
1.23E-47	-0.11581	0.01227	-0.08193	0.07695	0.01896873	0.68265	0.037459	0.41932
6.21E-34	-0.18412	6.27E-05	-0.05413	0.24306	0.03014455	0.5158	0.061265	0.18629
4.53E-16	0.068896	0.13711	0.028347	0.54116	0.07003232	0.13073	0.158896	0.00057
0.01435	-0.02569	0.57971	-0.01298	0.77972	-0.1275936	0.00576	-0.11404	0.01367
0.19149	-0.01261	0.78578	0.083046	0.07298	0.06177192	0.18266	0.081345	0.07907
1.04E-06	-0.0126	0.78599	0.022528	0.62726	0.14785676	0.00135	0.198599	1.54E-05
6.48E-07	0.056544	0.2226	0.095996	0.03811	0.14471168	0.00172	0.18168	7.86E-05
0.00124	-0.01536	0.74064	-0.0346	0.4557	0.09803283	0.03418	0.1351	0.00344
4.77E-07	0.264431	6.53E-09	0.235445	2.65E-07	0.34218134	2.84E-14	0.297405	5.43E-11
0.02021	0.150433	0.00111	0.150519	0.0011	0.03637371	0.43293	0.029364	0.52673
0.00697	0.008329	0.85754	0.033154	0.47477	0.05641712	0.22365	0.065522	0.15746
1.41E-24	-0.05586	0.22828	0.029011	0.53171	0.10509019	0.02313	0.077307	0.09519
0.02325	0.031285	0.50004	-0.00373	0.936	0.02159294	0.64162	0.064868	0.16165
1.20E-07	-0.1578	0.00062	-0.15223	0.00097	0.00885051	0.84872	0.015171	0.74367
0.48914	-0.06398	0.16749	-0.0125	0.78768	0.07980062	0.08496	0.039954	0.38899
0.02114	-0.01211	0.79404	0.011017	0.81231	0.04870131	0.2936	-0.02161	0.6414
1.24E-07	0.001336	0.97703	0.037465	0.41924	0.04305574	0.35321	-0.01069	0.81783
0.38012	0.112638	0.01488	0.093956	0.04241	0.03833294	0.40854	-0.0513	0.26861
3.39E-07	0.018567	0.68902	0.01403	0.76235	0.02015814	0.66393	0.033826	0.46586
1.10E-30	-0.01082	0.81563	0.020172	0.66372	0.07330658	0.11364	0.070467	0.12836

9.99E-40	0.071837	0.12108	0.059572	0.19877	0.08769397	0.05827	0.101872	0.02771
8.09E-21	0.06948	0.1338	0.101053	0.029	0.17290222	0.00017	0.104533	0.02388
5.01E-13	-0.01237	0.78977	0.054346	0.24113	0.18311972	6.88E-05	0.113889	0.01379
9.62E-09	-0.02592	0.5763	7.81E-05	0.99866	0.09291769	0.04476	0.025337	0.58496
5.92E-07	-0.04811	0.29954	-0.03583	0.43988	0.07085244	0.12628	0.02625	0.57149
6.70E-13	0.043725	0.34577	0.051531	0.26642	0.04787054	0.30193	0.037957	0.41315
6.39E-08	-0.04884	0.29219	-0.0458	0.3233	0.03206177	0.48945	0.047406	0.30665
0.00149	0.007458	0.87231	0.030284	0.51387	0.03449865	0.45703	-0.00685	0.88256
4.09E-06	0.022749	0.62389	0.068234	0.14094	0.05088414	0.27248	0.043101	0.3527
1.04E-25	0.030872	0.50571	0.032505	0.48347	0.05450236	0.23979	0.023049	0.61931
0.65651	0.04673	0.3136	0.040168	0.38646	0.03565816	0.44204	0.048365	0.29695
0.89309	0.062111	0.18027	-0.013	0.7793	-0.0106424	0.81858	0.050549	0.27565
0.01459	0.014205	0.75947	0.022695	0.6247	0.03484036	0.45258	0.025549	0.58181
0.01821	0.014361	0.75692	0.039929	0.38929	0.00985285	0.83183	0.023668	0.60993
1.24E-05	-0.00958	0.83639	0.03923	0.39765	0.09861764	0.03312	0.120427	0.00919
0.51078	-0.02369	0.60957	-0.00266	0.95424	0.01250701	0.78749	-0.03577	0.44058
1.37E-08	0.023527	0.61206	0.1133	0.0143	0.1270121	0.00599	0.059494	0.19936
1.15E-13	0.063926	0.16784	-0.01145	0.80502	0.00200722	0.96549	0.045576	0.32572
5.00E-74	-0.05107	0.27072	0.007326	0.87454	0.00824886	0.85889	0.001823	0.96866
0.66916	0.069332	0.13464	0.000768	0.9868	-0.0094189	0.83913	-0.0261	0.5737
1.36E-16	-0.05641	0.2237	-0.00186	0.96804	0.11232574	0.01516	0.100227	0.03034
0.0013	-0.02253	0.62723	-0.03103	0.50355	0.03492388	0.4515	0.036727	0.42847
0.28015	0.031866	0.4921	-0.0335	0.47012	-0.1079249	0.01966	-0.15535	0.00076
6.98E-19	0.128845	0.00529	0.137437	0.00292	0.17849137	0.00011	0.148984	0.00124
0.00981	-0.14311	0.00193	-0.17363	0.00016	-0.0135462	0.77031	-0.01271	0.78411
0.00488	-0.09779	0.03463	-0.0698	0.13202	0.02813783	0.54415	-0.0772	0.09566
6.76E-45	0.003148	0.9459	0.031925	0.4913	0.06495108	0.16112	0.052078	0.26137
5.18E-06	0.09402	0.04227	0.130704	0.00467	0.15197913	0.00099	0.15831	0.0006
1.35E-05	0.097721	0.03476	0.074416	0.10826	0.02001674	0.66614	-0.00609	0.89555
0.00745	-0.11068	0.01673	-0.0252	0.58705	0.08563172	0.06446	0.080485	0.08231
1.66E-33	-0.07048	0.1283	0.017541	0.70537	0.09412615	0.04204	0.085108	0.06612
0.00301	-0.12539	0.00667	-0.15719	0.00065	-0.1183494	0.01048	-0.07093	0.12586
0.00556	0.172168	0.00019	0.166066	0.00031	-0.0517616	0.26428	-0.12542	0.00665
7.75E-43	-0.03043	0.51177	-0.00767	0.86868	-0.0458936	0.32235	-0.09207	0.04676
0.00053	-0.08296	0.07329	-0.11993	0.00948	-0.0764106	0.0991	-0.07941	0.08649
0.76728	-0.05463	0.23873	-0.05621	0.22533	0.02184147	0.63779	0.025033	0.58947
0.01955	-0.04698	0.31099	-0.06921	0.1353	-0.1507205	0.00109	-0.14449	0.00174
0.20661	0.05291	0.25381	0.088922	0.05482	-0.0101153	0.82742	-0.05157	0.2661
0.77933	-0.00656	0.88762	0.056433	0.22351	-0.0346393	0.4552	-0.09628	0.03753
1.37E-17	-0.0285	0.53903	-0.00447	0.92332	0.03753655	0.41835	-0.0094	0.83943
1.34E-11	-0.06246	0.17785	-0.01611	0.72848	0.05961684	0.19844	0.089665	0.05282
2.82E-11	-0.00227	0.96102	0.023983	0.60517	0.11441557	0.01336	0.146385	0.00151
2.30E-19	-0.03193	0.49124	-0.03528	0.44694	0.06454944	0.16373	0.092006	0.04691
6.54E-07	0.021545	0.64237	0.030776	0.50704	0.17613983	0.00013	0.193598	2.53E-05
0.00032	0.126967	0.006	0.15159	0.00102	0.14797237	0.00134	0.197565	1.70E-05

1.05E-07	-0.0814	0.07887	-0.05598	0.22727	0.04311026	0.3526	0.11319	0.01439
0.00887	-0.08198	0.07677	-0.08902	0.05456	-0.0785995	0.08977	-0.10429	0.0242
3.73E-14	-0.07899	0.0882	-0.09357	0.04328	-0.0419601	0.36561	0.010583	0.81957
1.16E-10	-0.07015	0.13009	-0.08673	0.06111	-0.0171397	0.71181	0.019144	0.67988
3.75E-38	-0.0552	0.23385	0.008327	0.85758	0.04559946	0.32547	0.071889	0.12081
2.47E-29	-0.08432	0.06868	-0.01978	0.66991	0.04849635	0.29564	0.064652	0.16306
1.22E-21	-0.05109	0.27051	-0.02892	0.53294	0.02157333	0.64193	0.072275	0.11882
2.16E-09	-0.01751	0.7059	0.024696	0.59449	0.04774578	0.30319	0.013278	0.77474
3.20E-11	-0.03214	0.48835	0.019855	0.66868	0.04765313	0.30413	0.017618	0.70414
4.63E-10	-0.04181	0.36732	-0.00486	0.91655	0.02577547	0.57848	0.03417	0.46133
2.33E-05	-0.05132	0.26839	-0.00195	0.96654	0.00565251	0.90304	0.027487	0.5535
1.88E-15	-0.05985	0.19668	0.000314	0.99459	0.02737914	0.55506	0.030164	0.51553
6.27E-15	-0.07785	0.09288	-0.02368	0.60969	0.0334614	0.47068	0.026946	0.56134
7.48E-14	-0.1146	0.01321	-0.01462	0.75268	0.0619804	0.18119	0.06615	0.15351
2.50E-19	-0.02213	0.63335	-0.03308	0.47579	0.04839485	0.29666	0.03828	0.40919
9.69E-10	-0.06164	0.18364	-0.0067	0.88517	0.04978457	0.28299	0.048133	0.29928
1.13E-15	-0.10691	0.02084	-0.09523	0.03967	-0.0130387	0.77869	0.032399	0.48489
1.85E-22	0.074804	0.10643	0.047743	0.30321	0.11907336	0.01001	0.114416	0.01336
1.26E-21	0.039879	0.38988	0.057954	0.21127	0.11498534	0.0129	0.131099	0.00454
1.35E-36	-0.0851	0.06615	-0.06679	0.14953	0.06011971	0.19467	0.033672	0.46789
2.54E-16	-0.02586	0.5772	0.009603	0.83604	0.08023467	0.08327	0.113072	0.01449
5.16E-19	-0.1392	0.00257	-0.10447	0.02397	0.03709903	0.4238	-0.00167	0.97122
0.93259	0.002044	0.96487	0.08399	0.06977	0.15532381	0.00076	0.092752	0.04514
8.01E-43	-0.06649	0.15141	-0.03695	0.42563	0.03634474	0.43329	0.029914	0.51902
1.16E-25	-0.05704	0.21859	-0.09407	0.04216	0.02660253	0.56634	0.066507	0.15129
1.80E-10	0.014096	0.76127	0.066838	0.14927	0.21162345	3.96E-06	0.25069	4.00E-08
0.60974	0.208482	5.54E-06	0.195324	2.13E-05	0.32181459	1.03E-12	0.525292	1.75E-34
0.1043	0.100198	0.03039	-0.15955	0.00054	0.23519897	2.73E-07	0.466139	1.44E-26
0.15554	0.178776	0.0001	0.226429	7.64E-07	0.36454935	4.00E-16	0.607863	1.62E-48
2.48E-08	0.161516	0.00046	0.132743	0.00406	0.22520723	8.79E-07	0.303879	1.97E-11
0.40574	0.039785	0.391	0.181252	8.18E-05	0.27762644	1.04E-09	0.389565	2.25E-18
0.48578	0.092309	0.04618	-0.12935	0.00512	0.13105121	0.00456	0.398503	3.17E-19
0.00016	0.118073	0.01066	0.079159	0.0875	0.63995789	3.64E-55	0.635492	3.42E-54
0.53283	0.184054	6.31E-05	0.254703	2.38E-08	0.34679526	1.21E-14	0.34578	1.46E-14
0.2866	0.023748	0.60872	-0.1861	5.20E-05	0.14947746	0.0012	0.454383	3.60E-25
0.30469	0.183193	6.83E-05	0.340179	4.09E-14	0.41851184	3.15E-21	0.625256	5.05E-52
0.06654	0.090099	0.05168	0.023757	0.60859	0.14484514	0.0017	0.265943	5.31E-09
0.87533	0.216456	2.34E-06	0.05211	0.26107	0.13745585	0.00291	0.433406	8.29E-23
0.71966	0.196495	1.90E-05	0.06789	0.14296	0.18955839	3.74E-05	0.457855	1.41E-25
0.03771	0.077817	0.09302	0.037196	0.42259	0.30861825	9.20E-12	0.377402	2.96E-17
0.50297	0.204426	8.47E-06	-0.05234	0.25898	0.04748325	0.30586	0.317392	2.17E-12
0.03924	0.069973	0.13106	-0.10477	0.02356	0.14209119	0.00208	0.467051	1.12E-26
0.00152	0.020814	0.65369	-0.01494	0.74751	0.29423304	8.84E-11	0.528641	5.60E-35
0.5754	-0.11261	0.0149	-0.10052	0.02986	0.28841389	2.13E-10	0.466882	1.17E-26
0.17695	0.430244	1.82E-22	0.299477	3.93E-11	0.38772504	3.35E-18	0.531183	2.33E-35

0.20216	0.350237	6.35E-15	0.307994	1.02E-11	0.39893442	2.88E-19	0.658286	2.49E-59
4.02E-05	0.175772	0.00013	0.052922	0.25371	0.28442245	3.86E-10	0.556036	2.98E-39
0.43401	0.161047	0.00048	-0.03485	0.4525	0.31456258	3.48E-12	0.629069	8.03E-53
0.49656	0.028612	0.53739	0.047645	0.30421	0.38344093	8.35E-18	0.590121	3.72E-45
0.13077	0.142847	0.00197	0.071907	0.12072	0.46706035	1.11E-26	0.564835	1.04E-40
0.01647	0.11956	0.00971	0.102757	0.02638	0.15118145	0.00105	0.390048	2.03E-18
0.54544	-0.06777	0.14369	-0.28399	4.11E-10	-0.1422405	0.00206	0.001751	0.9699
0.44069	0.122869	0.00786	0.100052	0.03064	0.2898667	1.72E-10	0.487252	3.23E-29
0.44851	0.127623	0.00575	-0.11503	0.01287	0.06250275	0.17753	0.329633	2.68E-13
0.07454	0.397805	3.70E-19	0.286744	2.74E-10	0.38192953	1.15E-17	0.612812	1.71E-49
0.88573	0.283985	4.11E-10	0.377964	2.63E-17	0.48483634	6.64E-29	0.632193	1.75E-53
2.35E-15	0.019505	0.67418	-0.01262	0.78565	0.28176962	5.69E-10	0.39408	8.43E-19
0.33442	-0.09237	0.04603	-0.03068	0.50836	0.30808341	1.00E-11	0.337552	6.57E-14
0.12554	0.153967	0.00084	0.057744	0.21293	0.28689633	2.67E-10	0.575912	1.30E-42
0.44224	0.180437	8.82E-05	0.225933	8.09E-07	0.394246	8.13E-19	0.588206	8.33E-45
0.08929	0.207244	6.31E-06	0.134023	0.00371	0.32726743	4.04E-13	0.568998	2.04E-41
0.10006	0.136898	0.00303	-0.01505	0.74563	0.15447378	0.00081	0.331101	2.07E-13
0.01495	0.072497	0.11769	-0.07927	0.08706	0.11850611	0.01037	0.25131	3.69E-08
0.69287	0.115522	0.01248	0.087328	0.05933	0.32724028	4.06E-13	0.612446	2.03E-49
0.20634	0.157503	0.00064	0.165899	0.00032	0.33531198	9.82E-14	0.525545	1.61E-34
0.02425	0.211322	4.09E-06	0.0953	0.03953	0.23161225	4.18E-07	0.513805	8.02E-33
0.18318	-0.19666	1.87E-05	-0.21557	2.58E-06	0.0445093	0.33718	0.156058	0.00071
2.11E-05	-0.18886	4.00E-05	-0.02121	0.64748	0.26013996	1.16E-08	0.383174	8.83E-18
0.01994	0.107127	0.02059	0.049766	0.28317	0.11746497	0.01107	0.321087	1.17E-12
0.72095	0.288766	2.02E-10	0.155557	0.00074	0.45264656	5.73E-25	0.602699	1.62E-47
0.00037	0.132066	0.00425	-0.00972	0.83406	0.20047199	1.27E-05	0.41603	5.68E-21
0.28481	0.224052	1.00E-06	-0.04914	0.28928	0.13533581	0.00339	0.434138	6.90E-23
0.20578	0.039686	0.39219	-0.02725	0.55693	0.4806094	2.31E-28	0.508066	5.13E-32
0.27143	-0.06995	0.1312	-0.04991	0.2818	0.20398907	8.86E-06	0.391033	1.64E-18
2.28E-21	0.17766	0.00011	0.00842	0.85599	0.1447679	0.00171	0.29767	5.21E-11
0.49725	0.085492	0.0649	0.063064	0.17367	0.35875845	1.25E-15	0.539853	1.11E-36
0.00132	0.295809	6.94E-11	0.22819	6.23E-07	0.45222316	6.41E-25	0.626156	3.28E-52
1.31E-05	-0.01081	0.81585	0.096772	0.03657	0.27211469	2.26E-09	0.419758	2.34E-21
3.50E-05	0.290221	1.63E-10	0.317432	2.16E-12	0.43775928	2.77E-23	0.499166	8.53E-31
0.00291	-0.07499	0.10558	-0.16971	0.00023	0.1111123	0.0163	0.277118	1.11E-09
0.45517	0.185536	5.49E-05	0.094404	0.04143	0.16279091	0.00041	0.414911	7.40E-21
1.60E-07	-0.09821	0.03385	-0.14036	0.00236	0.13321824	0.00393	0.275674	1.37E-09
0.06659	0.046614	0.31481	-0.29288	1.09E-10	0.13953972	0.00251	0.348469	8.86E-15
0.0036	0.12296	0.00781	0.070035	0.13072	0.32154426	1.08E-12	0.532154	1.66E-35
9.32E-08	0.089629	0.05292	0.171148	0.0002	0.30001076	3.62E-11	0.417445	4.07E-21
0.32386	-0.2773	1.08E-09	-0.05024	0.27858	0.26209125	8.95E-09	0.38267	9.82E-18
5.70E-07	0.136215	0.00318	0.000643	0.98895	0.2675847	4.24E-09	0.397844	3.67E-19
0.00709	0.13573	0.00329	0.066684	0.15021	0.36640885	2.76E-16	0.4679	8.81E-27
0.00145	0.160614	0.00049	0.052249	0.25981	0.34456142	1.83E-14	0.363202	5.22E-16
0.11757	0.337414	6.74E-14	0.133386	0.00388	0.07131996	0.12379	0.305924	1.42E-11



0.58468	-0.09852	0.03329	-0.13493	0.00349	0.1746263	0.00015	0.353966	3.13E-15
4.41E-07	-0.02878	0.53492	-0.24529	7.92E-08	0.10173666	0.02792	0.203318	9.50E-06
0.10792	0.015278	0.74193	0.008379	0.85668	0.02811508	0.54447	0.137159	0.00298
1.09E-05	0.005822	0.90015	-0.10231	0.02704	0.16619447	0.00031	0.286233	2.95E-10
0.23929	-0.0428	0.35612	-0.08973	0.05264	0.31192573	5.37E-12	0.324762	6.23E-13
0.46937	0.367913	2.04E-16	0.144331	0.00177	0.42698892	4.07E-22	0.582085	1.06E-43
0.00859	0.435431	4.99E-23	0.236782	2.26E-07	0.412513	1.30E-20	0.577459	6.99E-43
0.36594	0.052057	0.26156	-0.16248	0.00042	0.31862961	1.77E-12	0.430583	1.68E-22
0.32487	0.292958	1.07E-10	0.235621	2.59E-07	0.42854565	2.77E-22	0.68681	1.99E-66
2.21E-06	0.095541	0.03903	0.028864	0.5338	0.02866522	0.53662	0.237145	2.16E-07
0.06704	0.255207	2.23E-08	0.269201	3.39E-09	0.23615371	2.43E-07	0.350769	5.75E-15
1.16E-05	0.128527	0.00541	-0.01047	0.82144	0.29782337	5.09E-11	0.587312	1.21E-44
0.08532	-0.0718	0.12128	-0.14273	0.00199	0.09885259	0.0327	0.336707	7.65E-14
4.27E-06	0.050086	0.28008	-0.02009	0.66504	0.40308209	1.13E-19	0.659369	1.38E-59
0.18961	0.35471	2.72E-15	0.146454	0.00151	0.22893032	5.72E-07	0.450364	1.05E-24
0.13776	0.057067	0.21835	-0.12819	0.00553	0.24568709	7.54E-08	0.589045	5.85E-45
0.16978	-0.02167	0.64039	-0.20704	6.45E-06	0.18280932	7.08E-05	0.415944	5.80E-21
0.61161	0.247741	5.82E-08	0.035734	0.44106	0.16103737	0.00048	0.365453	3.34E-16
0.13288	0.071843	0.12105	-0.06664	0.1505	0.05430873	0.24146	0.275771	1.35E-09
0.97732	0.342902	2.49E-14	0.203295	9.52E-06	0.31727701	2.22E-12	0.573459	3.49E-42
0.05636	0.176615	0.00012	0.121238	0.00873	0.31441201	3.57E-12	0.560436	5.62E-40
0.00013	-0.04431	0.33931	-0.11063	0.01677	0.21549626	2.60E-06	0.41028	2.18E-20
0.1081	0.059234	0.20134	0.104516	0.0239	0.15757648	0.00063	0.321781	1.04E-12
0.55246	0.199781	1.36E-05	0.149915	0.00116	0.44235831	8.52E-24	0.695141	1.17E-68
0.09242	0.012069	0.79478	0.082986	0.07319	0.32192128	1.01E-12	0.364206	4.28E-16
1.48E-12	-0.00779	0.86673	-0.05202	0.26194	0.22040878	1.51E-06	0.343433	2.25E-14
0.00548	-0.05043	0.27683	-0.00286	0.95081	0.30949357	7.98E-12	0.53386	9.19E-36
0.31773	0.400957	1.83E-19	0.271146	2.59E-09	0.3328187	1.53E-13	0.457351	1.62E-25
0.12703	0.335404	9.66E-14	0.133206	0.00393	0.3053828	1.55E-11	0.542403	4.46E-37
1.98E-05	0.279744	7.63E-10	0.139956	0.00243	0.33380311	1.28E-13	0.382406	1.04E-17
0.03658	0.182026	7.62E-05	0.012147	0.79347	0.10578019	0.02224	0.390672	1.77E-18
0.00094	0.074503	0.10785	-0.02387	0.60691	0.23215911	3.92E-07	0.496229	2.12E-30
0.76241	0.306361	1.32E-11	0.216868	2.24E-06	0.36978682	1.40E-16	0.574165	2.63E-42
0.18872	0.298765	4.39E-11	0.329818	2.59E-13	0.55650173	2.50E-39	0.613195	1.44E-49
0.1375	-0.09511	0.03994	-0.00412	0.92927	0.30470736	1.72E-11	0.555977	3.04E-39
0.80326	0.281641	5.80E-10	-0.00221	0.96194	0.11062441	0.01678	0.305826	1.44E-11
0.62019	0.392738	1.13E-18	0.314766	3.36E-12	0.54164896	5.85E-37	0.693884	2.57E-68
1.10E-05	-0.23725	2.13E-07	-0.43665	3.67E-23	-0.0952143	0.03971	0.036336	0.4334
0.0494	0.148662	0.00127	0.049349	0.28722	0.39812461	3.45E-19	0.702491	1.09E-70
0.95822	0.405836	6.07E-20	0.254342	2.50E-08	0.2237582	1.04E-06	0.31895	1.67E-12
0.94212	0.109302	0.01814	0.08258	0.07461	0.08086958	0.08085	0.238606	1.81E-07
0.06757	0.347508	1.06E-14	0.189248	3.86E-05	0.52700278	9.80E-35	0.483315	1.04E-28
0.40601	0.229034	5.65E-07	0.021501	0.64305	0.13334271	0.00389	0.415329	6.71E-21
0.07593	-0.05643	0.22355	-0.16035	0.0005	0.05876579	0.20493	0.354048	3.08E-15
0.20091	0.174066	0.00016	0.083726	0.07066	0.41925139	2.64E-21	0.663143	1.75E-60

0.21749	0.279756	7.62E-10	0.117836	0.01082	0.18748949	4.56E-05	0.386364	4.48E-18
0.08631	0.181595	7.93E-05	-0.0795	0.08614	0.11521794	0.01272	0.417848	3.69E-21
0.63783	0.216485	2.34E-06	0.256156	1.97E-08	0.26143661	9.78E-09	0.323945	7.17E-13
0.01303	0.035174	0.44826	-0.1942	2.38E-05	0.18354574	6.61E-05	0.472786	2.21E-27
0.75795	0.167772	0.00027	0.092495	0.04574	0.31537524	3.04E-12	0.618525	1.22E-50
0.00504	0.085101	0.06614	-0.01206	0.79488	0.34272295	2.57E-14	0.609778	6.83E-49
0.03358	0.263364	7.54E-09	-0.05345	0.24899	0.18803683	4.33E-05	0.447865	2.03E-24
0.20315	0.359902	9.97E-16	0.163167	0.0004	0.36741166	2.26E-16	0.637456	1.28E-54
0.17527	0.379059	2.09E-17	0.334054	1.23E-13	0.47019978	4.61E-27	0.579348	3.25E-43
0.98345	0.215431	2.62E-06	-0.09137	0.04846	0.07525419	0.10433	0.400122	2.21E-19
0.14092	0.023434	0.61347	-0.01688	0.71605	0.07171159	0.12173	0.019667	0.67163
0.30559	0.307068	1.18E-11	0.181105	8.29E-05	-0.0247342	0.59392	-0.12952	0.00506
0.0189	0.000604	0.98961	-0.05523	0.23352	0.17949924	9.61E-05	0.057734	0.21301
0.50306	0.289076	1.93E-10	0.194664	2.27E-05	0.03784856	0.41449	-0.1047	0.02365
0.07565	0.167045	0.00029	0.349282	7.60E-15	0.3829912	9.18E-18	0.186514	5.00E-05
0.08166	0.187426	4.59E-05	0.220198	1.55E-06	0.104756	0.02358	0.021709	0.63983
2.46E-11	0.280087	7.26E-10	0.243112	1.04E-07	0.25112492	3.78E-08	0.199146	1.45E-05
3.14E-05	0.381498	1.26E-17	0.335802	9.00E-14	0.15827727	0.0006	0.080979	0.08044
5.89E-06	0.338989	5.07E-14	0.230581	4.71E-07	0.16323091	0.0004	0.129496	0.00507
0.26685	0.18842	4.17E-05	0.159857	0.00053	0.04930636	0.28764	-0.12007	0.0094
0.00043	0.16678	0.00029	0.4113	1.72E-20	0.52849525	5.88E-35	0.312854	4.61E-12
0.00171	0.206456	6.86E-06	0.033662	0.46802	-0.1917731	3.02E-05	-0.28311	4.67E-10
0.50904	-0.05783	0.21227	-0.16923	0.00024	-0.1194027	0.0098	-0.21023	4.60E-06
0.80806	0.334331	1.17E-13	0.08594	0.0635	-0.0319816	0.49054	0.092623	0.04544
8.97E-10	-0.06677	0.14966	0.188322	4.21E-05	0.13984666	0.00245	0.034264	0.4601
0.21844	0.19987	1.35E-05	0.374206	5.71E-17	0.30382874	1.98E-11	0.295473	7.31E-11
0.88503	0.210203	4.61E-06	0.24351	9.90E-08	0.28565121	3.22E-10	0.16468	0.00035
0.15044	0.248422	5.34E-08	0.20729	6.28E-06	0.23877733	1.77E-07	0.248874	5.04E-08
0.47215	0.311515	5.74E-12	0.298823	4.35E-11	0.25242632	3.20E-08	0.243099	1.04E-07
0.17284	0.188429	4.17E-05	0.194307	2.36E-05	0.43435531	6.54E-23	0.371567	9.78E-17
0.69491	0.271689	2.40E-09	0.282633	5.02E-10	0.4991781	8.50E-31	0.41887	2.90E-21
2.95E-07	0.340393	3.93E-14	0.211913	3.84E-06	0.2287963	5.81E-07	0.217665	2.05E-06
0.3254	0.424077	8.27E-22	0.311248	6.00E-12	0.11397552	0.01372	0.192091	2.93E-05
6.90E-05	0.117089	0.01133	0.081154	0.07978	-0.0121842	0.79285	-0.18595	5.28E-05
0.00311	0.250066	4.33E-08	0.269879	3.09E-09	0.17133574	0.0002	0.075034	0.10536
0.06484	0.365193	3.52E-16	0.332458	1.63E-13	0.08417916	0.06914	-0.01727	0.70965
0.97174	0.037416	0.41985	0.235751	2.55E-07	0.27579081	1.35E-09	0.175948	0.00013
0.49538	0.126162	0.00633	-0.07959	0.08578	-0.0914544	0.04825	-0.2199	1.60E-06
0.00807	0.083068	0.07291	0.167067	0.00029	0.24411818	9.18E-08	0.252415	3.20E-08
0.76608	0.230973	4.50E-07	0.177473	0.00012	-0.0543009	0.24153	-0.18326	6.79E-05
0.51645	0.167865	0.00027	0.279164	8.30E-10	0.44262724	7.95E-24	0.341708	3.09E-14
0.50498	-0.07191	0.12071	-0.13229	0.00419	-0.0738494	0.11098	-0.11565	0.01239
0.04537	0.187362	4.62E-05	0.015927	0.73139	-0.055203	0.23379	-0.07366	0.11192
0.00135	-0.0689	0.13708	-0.02745	0.55405	-0.0740091	0.11021	-0.23341	3.38E-07
0.17465	0.391194	1.58E-18	0.200346	1.29E-05	-0.0593407	0.20053	-0.03739	0.42012

0.5578	0.15995	0.00052	0.142248	0.00206	0.21883975	1.80E-06	0.091471	0.04821
0.18004	0.125617	0.00657	0.180114	9.08E-05	0.18662949	4.95E-05	0.052894	0.25396
1.73E-10	0.01348	0.7714	-0.07045	0.12846	-0.1992673	1.44E-05	-0.30556	1.50E-11
0.00104	0.105872	0.02213	0.037555	0.41812	0.03232309	0.48592	-0.12796	0.00562
0.01235	0.230361	4.84E-07	-0.02413	0.60296	-0.0866891	0.06122	-0.08153	0.0784
0.62074	0.447218	2.41E-24	0.175759	0.00013	0.03231418	0.48604	0.11192	0.01553
0.41466	0.323521	7.71E-13	0.17828	0.00011	0.18994778	3.60E-05	0.087537	0.05872
0.79897	0.141173	0.00223	0.104369	0.0241	0.13818207	0.00277	-0.02494	0.59091
0.31661	0.202329	1.05E-05	0.071511	0.12278	-0.0745497	0.10763	-0.01311	0.77754
0.95739	0.282486	5.12E-10	0.24344	9.98E-08	0.25537458	2.18E-08	0.292152	1.21E-10
0.22503	0.068194	0.14117	0.368462	1.83E-16	0.4412253	1.14E-23	0.27022	2.95E-09
0.65505	-0.2181	1.96E-06	-0.08222	0.0759	0.05253346	0.25722	-0.05229	0.25944
0.11983	0.403766	9.72E-20	0.183235	6.81E-05	0.0466373	0.31457	-0.09038	0.05096
0.06168	-0.05823	0.20911	-0.0638	0.16871	0.04257957	0.35857	0.015714	0.73483
0.13669	-0.10713	0.02058	-0.09826	0.03377	-0.1601402	0.00051	-0.20644	6.87E-06
0.00396	0.079392	0.08657	0.076478	0.0988	0.04893199	0.29132	-0.05059	0.27527
0.00446	0.01088	0.81461	0.042907	0.35488	0.03671863	0.42857	-0.04177	0.36784
0.3031	0.112291	0.01519	0.202306	1.05E-05	0.2801945	7.15E-10	0.191061	3.24E-05
0.69247	0.284782	3.66E-10	0.119304	0.00987	0.25440269	2.48E-08	0.28089	6.47E-10
7.72E-14	0.152309	0.00096	0.058655	0.20579	0.10903702	0.01842	0.011424	0.80551
1.66E-07	0.01383	0.76564	-0.08242	0.07517	-0.0663961	0.15198	-0.01523	0.7427
0.17847	0.028938	0.53275	0.126063	0.00638	0.29542961	7.36E-11	0.228666	5.90E-07
0.19612	0.073599	0.1122	0.057698	0.2133	0.17572002	0.00014	0.233896	3.19E-07
0.00039	-0.08069	0.08151	0.032047	0.48966	0.15082361	0.00108	0.080506	0.08223
0.01479	0.175271	0.00014	0.324505	6.51E-13	0.29572534	7.03E-11	0.111485	0.01594
0.69704	0.333809	1.28E-13	0.273499	1.86E-09	0.17806371	0.00011	0.029971	0.51822
6.63E-08	0.346453	1.29E-14	0.290412	1.58E-10	0.30486809	1.68E-11	0.192083	2.93E-05
0.65242	0.232325	3.84E-07	0.065579	0.1571	0.1290406	0.00523	0.231886	4.04E-07
0.31567	0.200361	1.29E-05	0.064625	0.16324	-0.291692	1.30E-10	-0.42861	2.73E-22
0.07441	0.090363	0.05099	0.153927	0.00085	-0.050767	0.27358	-0.16122	0.00047
0.64789	0.298951	4.27E-11	0.190876	3.30E-05	-0.1497306	0.00117	-0.28574	3.18E-10
0.00012	0.076288	0.09964	0.109202	0.01825	0.2115601	3.99E-06	0.186171	5.17E-05
0.1797	0.13249	0.00413	0.082911	0.07345	-0.1661468	0.00031	-0.30628	1.34E-11
0.22146	0.11831	0.0105	0.021936	0.63634	-0.0532486	0.25079	-0.13262	0.00409
1.84E-05	0.041828	0.36711	0.147017	0.00144	0.17194087	0.00019	0.098927	0.03257
0.00507	-0.02427	0.60089	0.063507	0.17065	0.1530943	0.0009	0.19508	2.18E-05
0.595	-0.18039	8.86E-05	-0.18258	7.24E-05	-0.132908	0.00401	-0.17266	0.00018
0.19782	0.214104	3.03E-06	0.07678	0.09747	0.08392644	0.06999	-0.09243	0.04591
0.02384	-0.17953	9.58E-05	-0.0917	0.04763	-0.1431627	0.00193	-0.16742	0.00028
0.46145	0.312324	5.03E-12	0.280067	7.28E-10	0.10079262	0.02942	-0.08339	0.07179
9.55E-05	0.055507	0.23122	0.009437	0.83882	0.17664115	0.00012	0.124438	0.00709
0.00405	0.473489	1.81E-27	0.252888	3.01E-08	0.01910506	0.68049	0.121932	0.00835
0.75634	0.478105	4.79E-28	0.282304	5.26E-10	0.22653076	7.55E-07	0.341888	2.99E-14
0.16463	0.286576	2.81E-10	0.21184	3.87E-06	0.18432853	6.15E-05	0.137551	0.00289
0.03831	0.279529	7.87E-10	0.211028	4.22E-06	0.24439808	8.86E-08	0.312834	4.62E-12

0.31235	0.298667	4.46E-11	0.182547	7.26E-05	0.05779698	0.21251	0.078652	0.08955
0.00018	0.198725	1.52E-05	0.174641	0.00015	-0.0222161	0.63203	-0.11798	0.01072
0.00251	0.145372	0.00163	-0.03391	0.46479	0.07524378	0.10438	0.246999	6.40E-08
0.2231	-0.04086	0.37829	-0.05002	0.28068	-0.1036173	0.02514	-0.16421	0.00037
1.82E-07	0.004733	0.91876	-0.01778	0.70152	-0.0304837	0.51109	-0.06541	0.15815
6.04E-06	0.266439	4.96E-09	0.27301	1.99E-09	0.22606631	7.96E-07	0.117995	0.01071
0.08097	0.241132	1.33E-07	0.263485	7.42E-09	0.43192657	1.20E-22	0.469478	5.65E-27
0.94725	0.149543	0.00119	0.114481	0.01331	-0.0232678	0.61599	-0.10595	0.02202
0.0168	-0.17011	0.00022	-0.13943	0.00253	-0.1606782	0.00049	-0.2226	1.18E-06
0.96093	0.143873	0.00183	0.173484	0.00016	0.15964404	0.00053	0.23237	3.82E-07
0.07599	0.28912	1.92E-10	0.225049	8.95E-07	0.01180882	0.7991	-0.12138	0.00865
0.67682	0.071024	0.12536	0.208488	5.54E-06	0.43487484	5.74E-23	0.379341	1.97E-17
0.08596	0.035736	0.44104	-0.01934	0.67684	0.17077865	0.00021	0.010773	0.81639
0.39118	0.071143	0.12473	0.039242	0.39751	0.13999159	0.00243	0.109684	0.01774
0.00038	0.078538	0.09002	0.039935	0.38923	-0.0030469	0.94764	0.020069	0.66533
0.00308	0.137133	0.00298	0.151604	0.00101	0.10329335	0.0256	0.030604	0.50943
0.52755	0.090794	0.04989	0.106187	0.02173	-0.1067564	0.02103	-0.23293	3.58E-07
0.01345	-0.03512	0.44901	-0.06391	0.16797	0.04199692	0.36519	-0.00133	0.97708
0.2338	0.202971	9.84E-06	0.166474	0.0003	-0.0532439	0.25083	-0.13359	0.00383
0.31709	0.189998	3.59E-05	0.099157	0.03217	0.15206576	0.00098	0.052572	0.25686
0.00315	-0.01866	0.68754	0.014191	0.7597	0.21820849	1.93E-06	0.241286	1.30E-07
0.69061	0.307638	1.08E-11	0.456145	2.24E-25	0.62324391	1.32E-51	0.514555	6.28E-33
0.02464	0.12111	0.0088	0.023223	0.61668	0.05309064	0.2522	0.046259	0.31851
0.11586	0.101206	0.02875	0.059262	0.20113	-0.0099521	0.83016	-0.08674	0.06109
4.14E-07	0.242609	1.11E-07	0.270012	3.03E-09	0.39305149	1.06E-18	0.370553	1.20E-16
0.00158	0.040036	0.38802	-0.01577	0.73393	0.06784417	0.14323	-0.00531	0.90896
0.84865	0.058987	0.20323	-0.15687	0.00067	-0.2495374	4.63E-08	-0.34549	1.54E-14
0.01577	0.282099	5.42E-10	0.30865	9.15E-12	0.43111197	1.47E-22	0.323194	8.15E-13
0.00036	0.161474	0.00046	0.105239	0.02294	0.09924817	0.03201	0.04192	0.36606
0.00084	0.235487	2.63E-07	0.268329	3.83E-09	0.32545308	5.53E-13	0.347007	1.16E-14
0.25765	0.097176	0.03579	0.206803	6.61E-06	0.36567286	3.20E-16	0.234197	3.07E-07
0.34271	0.177238	0.00012	0.257127	1.73E-08	0.45085443	9.23E-25	0.462573	3.88E-26
9.61E-06	0.154765	0.00079	0.087473	0.05891	-0.1156872	0.01236	-0.19253	2.81E-05
0.23528	-0.0172	0.71089	0.0334	0.4715	0.17251454	0.00018	0.157323	0.00065
8.12E-05	0.084323	0.06867	0.137315	0.00294	0.29588069	6.87E-11	0.226595	7.49E-07
0.00043	-0.04248	0.35971	-0.07123	0.12428	0.09393649	0.04245	0.083492	0.07145
4.79E-06	-0.10459	0.02381	-0.09978	0.0311	-0.2274075	6.82E-07	-0.25678	1.82E-08
0.08711	0.298777	4.39E-11	0.252097	3.34E-08	0.10883717	0.01864	-0.00119	0.97962
0.33317	-0.28545	3.31E-10	-0.33105	2.09E-13	-0.1396617	0.00249	-0.18983	3.64E-05
0.03636	0.238159	1.91E-07	0.303593	2.06E-11	0.11455316	0.01325	0.007061	0.87904
0.24727	0.338756	5.29E-14	0.324491	6.53E-13	-0.0267742	0.56384	-0.1197	0.00962
0.20371	0.318885	1.69E-12	0.30058	3.31E-11	0.11123323	0.01618	-0.01603	0.72978
0.55769	0.110221	0.01718	0.120068	0.0094	-0.1568496	0.00067	-0.38621	4.63E-18
0.54522	0.212893	3.46E-06	0.020485	0.65882	-0.2675402	4.27E-09	-0.37125	1.04E-16
0.10082	-0.01284	0.78204	0.149378	0.00121	0.0351735	0.44827	-0.17768	0.00011

0.33353	-0.08049	0.08228	-0.1048	0.02352	-0.1816748	7.87E-05	-0.3175	2.13E-12
1.59E-07	0.061427	0.18513	-0.03605	0.43699	0.00913168	0.84397	0.038908	0.40154
0.07798	0.157974	0.00061	0.258685	1.41E-08	0.01382028	0.7658	-0.08471	0.06739
0.16433	0.014318	0.75762	0.043499	0.34827	0.05376303	0.24623	-0.09116	0.04898
0.91133	-0.09191	0.04714	-0.03116	0.50182	-0.0497367	0.28345	-0.13864	0.00268
0.8491	0.296266	6.47E-11	0.491007	1.04E-29	0.33760822	6.51E-14	0.141537	0.00217
0.0152	0.109432	0.018	0.116075	0.01207	-0.0007352	0.98736	-0.1229	0.00784
1.34E-05	0.085642	0.06443	0.039719	0.39179	-0.0975322	0.03511	-0.11641	0.01182
0.68276	-0.00777	0.86697	-0.13186	0.00431	0.00054949	0.99055	-0.09295	0.04469
0.17483	0.016586	0.72073	0.021365	0.64515	0.23951091	1.62E-07	0.265492	5.65E-09
0.07456	0.150981	0.00107	0.193817	2.47E-05	0.2585042	1.44E-08	0.128819	0.0053
0.02907	-0.0097	0.83435	0.099338	0.03185	0.10349032	0.02532	0.011663	0.80152
0.37649	0.104059	0.02452	0.068899	0.13709	-0.2225677	1.19E-06	-0.31801	1.96E-12
0.00121	-0.04911	0.28957	-0.08608	0.06307	0.10325301	0.02566	0.1129	0.01464
0.02434	0.174956	0.00014	0.133083	0.00396	-0.3151179	3.17E-12	-0.40975	2.47E-20
2.14E-06	0.150704	0.00109	0.06598	0.15457	0.04763006	0.30436	0.116394	0.01183
0.95227	-0.09676	0.03658	-0.11506	0.01284	-0.1345269	0.00358	-0.17893	0.0001
0.03077	0.31127	5.98E-12	0.24987	4.44E-08	0.21998611	1.59E-06	0.162059	0.00044
0.86789	0.067045	0.14801	0.221727	1.30E-06	0.26807656	3.96E-09	0.028354	0.54106
0.04796	0.169734	0.00023	0.304929	1.66E-11	0.24828835	5.43E-08	0.066782	0.14961
0.34736	0.138597	0.00269	0.131018	0.00457	0.27175937	2.38E-09	0.168901	0.00025
0.2406	-0.06883	0.13747	-0.12667	0.00612	0.18342384	6.69E-05	0.366089	2.94E-16
0.63891	0.080204	0.08339	0.137109	0.00299	0.37655387	3.52E-17	0.52883	5.24E-35
0.85866	0.174555	0.00015	0.200835	1.23E-05	0.40961657	2.55E-20	0.531832	1.86E-35
0.07037	0.114837	0.01302	0.093943	0.04244	0.48007266	2.70E-28	0.613023	1.56E-49
0.29192	0.161503	0.00046	0.115499	0.0125	0.34272877	2.57E-14	0.531417	2.15E-35
0.02563	0.302016	2.64E-11	0.131731	0.00435	0.20663964	6.72E-06	0.402287	1.36E-19
0.25117	-0.12222	0.00819	-0.2974	5.43E-11	0.12665396	0.00613	0.194946	2.21E-05
0.20798	0.235383	2.67E-07	0.222649	1.18E-06	0.12854855	0.0054	0.260356	1.13E-08
0.01215	0.032452	0.48417	-0.00459	0.92119	0.22802841	6.35E-07	0.331434	1.95E-13
0.08196	0.057558	0.21441	-0.01063	0.81876	0.23988502	1.55E-07	0.412047	1.45E-20
0.98059	0.021544	0.64238	-0.08421	0.06903	0.00594	0.89813	0.151135	0.00105
0.87292	0.281092	6.28E-10	0.250252	4.23E-08	0.2844019	3.87E-10	0.453946	4.05E-25
0.73657	0.081484	0.07856	0.040862	0.3783	0.21427895	2.97E-06	0.347695	1.02E-14
0.48277	0.196445	1.91E-05	0.128817	0.0053	0.4545844	3.41E-25	0.627696	1.56E-52
0.63595	0.131041	0.00456	-0.01167	0.80142	0.24322533	1.03E-07	0.456643	1.96E-25
0.01797	0.270313	2.91E-09	0.111845	0.0156	0.13859672	0.00269	0.22754	6.72E-07
0.79748	0.273573	1.84E-09	0.107843	0.01975	0.22562497	8.38E-07	0.450426	1.03E-24
0.07108	0.103265	0.02564	-0.04925	0.28819	0.01335817	0.77341	0.071475	0.12297
0.58885	0.129915	0.00493	0.131675	0.00437	0.46785326	8.93E-27	0.569382	1.75E-41
0.58303	0.153902	0.00085	0.359797	1.02E-15	0.43700119	3.35E-23	0.458463	1.20E-25
0.57796	0.155192	0.00077	0.05601	0.22701	0.43464531	6.08E-23	0.636845	1.74E-54
0.06354	0.067773	0.14365	-0.03067	0.50848	0.0800713	0.0839	0.223946	1.01E-06
0.56493	-0.10909	0.01837	-0.19268	2.77E-05	0.07701559	0.09645	0.216502	2.33E-06
0.39916	0.245044	8.17E-08	0.387488	3.52E-18	0.36786123	2.07E-16	0.395379	6.34E-19

0.5137	0.152992	0.00091	-0.13369	0.0038	-0.1048582	0.02344	0.027473	0.55371
0.51013	0.244735	8.50E-08	0.261718	9.41E-09	0.50119933	4.52E-31	0.626665	2.57E-52
0.13473	0.117645	0.01095	0.026449	0.56859	0.2719705	2.31E-09	0.434623	6.11E-23
0.44942	-0.27296	2.01E-09	-0.32578	5.23E-13	0.06296225	0.17436	0.227113	7.06E-07
0.31937	-0.06769	0.14417	-0.22466	9.35E-07	0.11967327	0.00964	0.223376	1.08E-06
0.00906	-0.11948	0.00976	-0.29953	3.90E-11	-0.1064902	0.02135	-0.07599	0.10099
0.80847	0.047787	0.30277	-0.04109	0.3756	0.29391371	9.29E-11	0.48584	4.93E-29
0.43915	0.126335	0.00626	0.041559	0.37021	0.26574555	5.46E-09	0.350829	5.68E-15
0.64714	0.176313	0.00013	0.196672	1.86E-05	0.46469477	2.16E-26	0.60926	8.63E-49
0.10482	0.043372	0.34968	0.01463	0.75252	0.20741854	6.20E-06	0.371638	9.64E-17
0.09561	0.191898	2.98E-05	-0.03615	0.4358	0.06071091	0.19031	0.202901	9.92E-06
0.62974	0.159853	0.00053	-0.0235	0.61243	0.12659826	0.00615	0.271197	2.57E-09
0.76249	0.186924	4.81E-05	0.058575	0.20641	0.17158023	0.00019	0.306389	1.32E-11
0.42166	0.156876	0.00067	0.075715	0.10222	0.3728796	7.49E-17	0.597621	1.50E-46
0.12846	-0.03834	0.40849	-0.09988	0.03093	0.28968873	1.76E-10	0.474077	1.53E-27
0.04783	0.250525	4.09E-08	0.229229	5.52E-07	0.44444825	4.96E-24	0.573	4.19E-42
0.72367	0.192585	2.79E-05	0.206516	6.81E-06	0.36192237	6.71E-16	0.490542	1.20E-29
0.2225	0.03826	0.40944	0.0278	0.549	0.25501365	2.29E-08	0.36047	8.92E-16
0.41521	0.298492	4.58E-11	0.322135	9.77E-13	0.27085205	2.70E-09	0.385767	5.09E-18
0.09536	0.228668	5.89E-07	0.149324	0.00121	0.12001934	0.00943	0.196958	1.81E-05
0.63638	0.232071	3.96E-07	0.163928	0.00037	0.49655597	1.91E-30	0.667926	1.22E-61
0.35128	-0.03502	0.45023	-0.39636	5.11E-19	-0.3184682	1.81E-12	-0.2244	9.63E-07
0.23915	0.036764	0.428	-0.00856	0.85362	0.06029329	0.19338	0.213669	3.18E-06
0.99552	0.038256	0.40948	-0.01123	0.80882	0.15158688	0.00102	0.267682	4.18E-09
0.03868	-0.17051	0.00021	-0.0466	0.31493	-0.0038789	0.93337	0.012636	0.78536
7.68E-09	0.007802	0.86646	-0.0962	0.0377	-0.0086153	0.85269	0.137167	0.00297
1.31E-09	-0.05054	0.27572	0.085164	0.06594	0.18654699	4.99E-05	0.24831	5.42E-08
0.28729	-0.05485	0.2368	0.049421	0.28652	0.24849764	5.29E-08	0.346533	1.27E-14
0.01683	-0.16542	0.00033	-0.00438	0.92478	0.18453692	6.03E-05	0.284861	3.62E-10
0.01934	-0.16272	0.00041	-0.04872	0.29342	0.33039198	2.35E-13	0.455037	3.02E-25
0.00531	-0.22208	1.25E-06	-0.00083	0.98577	0.15959269	0.00054	0.258575	1.43E-08
0.81444	0.135647	0.00331	0.146803	0.00147	0.38725424	3.71E-18	0.581868	1.16E-43
8.50E-05	-0.05002	0.28072	-0.03474	0.45387	0.1359681	0.00324	0.250705	3.99E-08
0.59785	-0.00045	0.99224	0.00722	0.87634	0.16365886	0.00038	0.428758	2.63E-22
8.35E-13	-0.25669	1.84E-08	-0.09881	0.03278	0.14193908	0.00211	0.251238	3.73E-08
0.40828	-0.03101	0.50378	0.074755	0.10666	0.14673681	0.00147	0.341217	3.38E-14
0.05123	-0.17374	0.00016	0.069998	0.13092	0.13845995	0.00271	0.2735	1.86E-09
0.67348	-0.31713	2.27E-12	-0.14008	0.00241	0.09654927	0.037	0.203651	9.18E-06
0.47178	0.173394	0.00017	0.158432	0.00059	0.07459932	0.10739	0.197108	1.78E-05
0.17604	-0.03545	0.44475	0.083072	0.07289	0.38039364	1.59E-17	0.484295	7.79E-29
0.18054	0.025156	0.58765	-0.00019	0.99676	0.12289412	0.00784	0.283357	4.51E-10
0.9093	-0.04974	0.2834	-0.05997	0.19581	0.22217205	1.24E-06	0.336682	7.68E-14
0.17556	-0.308	1.02E-11	-0.16028	0.00051	-0.1216242	0.00851	0.089752	0.05259
0.3512	-0.00651	0.88845	0.204057	8.80E-06	0.33492985	1.05E-13	0.454052	3.93E-25
0.00542	0.182465	7.31E-05	0.29614	6.60E-11	0.03365441	0.46812	-0.18545	5.53E-05

0.37621	-0.07195	0.12051	0.215436	2.62E-06	0.22372858	1.04E-06	0.211096	4.19E-06
0.00702	-0.30905	8.57E-12	-0.18049	8.77E-05	0.12152198	0.00857	0.244771	8.46E-08
0.89121	-0.06566	0.15659	0.052707	0.25565	0.35863359	1.28E-15	0.605418	4.85E-48
0.00027	0.105457	0.02265	0.209294	5.08E-06	0.31752107	2.13E-12	0.394519	7.66E-19
0.00156	-0.05693	0.21944	0.232267	3.87E-07	0.42055638	1.93E-21	0.504514	1.59E-31
0.25788	-0.17955	9.56E-05	0.171038	0.0002	0.30475022	1.71E-11	0.383897	7.58E-18
0.84874	-0.23008	5.00E-07	-0.19214	2.91E-05	-0.0432782	0.35073	0.220805	1.45E-06
0.53315	0.037125	0.42347	0.037865	0.41429	0.2790498	8.44E-10	0.461041	5.91E-26
0.00537	0.238546	1.82E-07	0.085074	0.06623	-0.0811069	0.07996	0.071525	0.12271
0.00019	-0.08855	0.05586	-0.02806	0.54521	0.17727141	0.00012	0.311565	5.69E-12
0.01371	0.086333	0.0623	0.111191	0.01622	0.24791278	5.70E-08	0.317898	2.00E-12
0.00033	0.065697	0.15635	0.1163	0.0119	0.45250517	5.95E-25	0.648532	4.45E-57
0.07452	0.152613	0.00094	0.090674	0.0502	0.06029167	0.19339	0.321428	1.10E-12
0.96663	0.089323	0.05373	0.089727	0.05266	0.23174572	4.11E-07	0.402416	1.32E-19
0.10213	-0.09738	0.0354	-0.10958	0.01784	0.33903983	5.02E-14	0.522309	4.80E-34
0.24623	0.092211	0.04642	0.087771	0.05805	0.41679207	4.75E-21	0.674436	2.99E-63
0.08275	0.225348	8.65E-07	0.157237	0.00065	0.23277487	3.64E-07	0.336105	8.52E-14
0.07664	0.037832	0.41469	0.082652	0.07436	0.26814413	3.93E-09	0.461483	5.23E-26
0.3525	0.192786	2.74E-05	0.124773	0.00694	-0.0054739	0.90609	-0.18107	8.32E-05
0.2614	-0.09227	0.04628	-0.10781	0.01979	0.03146479	0.49758	0.207836	5.93E-06
0.06795	-0.05152	0.26652	-0.19181	3.01E-05	-0.209498	4.97E-06	-0.0308	0.50674
0.05308	-0.27273	2.07E-09	-0.21926	1.72E-06	0.00989992	0.83104	0.123852	0.00737
0.00057	0.063636	0.16978	-0.00756	0.87064	0.14145762	0.00218	0.248827	5.07E-08
0.09197	0.060705	0.19035	0.019595	0.67276	0.10437939	0.02408	0.321613	1.07E-12
0.00088	-0.18599	5.26E-05	0.070691	0.12714	0.22888817	5.75E-07	0.445568	3.71E-24
0.193	-0.03462	0.45548	0.131985	0.00428	0.348614	8.62E-15	0.554735	4.85E-39
0.00787	0.022671	0.62507	-0.01268	0.78466	-0.0899	0.0522	0.09261	0.04547
0.0056	-0.09678	0.03655	-0.06885	0.13738	0.06289552	0.17482	0.339351	4.75E-14
0.40873	0.374302	5.60E-17	0.382938	9.28E-18	0.27203129	2.29E-09	0.002032	0.96506
0.57594	-0.14914	0.00123	-0.10664	0.02118	0.05396186	0.24449	0.205323	7.72E-06
0.07508	0.130185	0.00484	0.187247	4.67E-05	0.31593723	2.77E-12	0.465774	1.60E-26
0.8505	0.113203	0.01438	0.096222	0.03765	0.20971873	4.86E-06	0.406471	5.25E-20
0.3287	0.118557	0.01034	-0.02356	0.6116	0.35283296	3.89E-15	0.633376	9.75E-54
0.14584	0.025939	0.57607	0.193223	2.62E-05	0.22089098	1.43E-06	0.438384	2.36E-23
0.011	0.216392	2.36E-06	-0.01215	0.79338	-0.0152685	0.74209	0.150134	0.00114
0.03661	0.011957	0.79664	0.043358	0.34984	0.12737144	0.00584	0.249439	4.69E-08
0.92143	-0.04697	0.31114	-0.07374	0.11153	0.15192804	0.00099	0.344927	1.71E-14
0.32405	0.003333	0.94274	0.114046	0.01366	0.2215507	1.33E-06	0.433045	9.08E-23
0.5139	0.040395	0.38378	0.127399	0.00583	0.34795509	9.75E-15	0.440418	1.40E-23
0.23032	0.127816	0.00567	0.164268	0.00036	0.1226257	0.00798	0.245313	7.90E-08
0.71642	0.1522	0.00097	0.095812	0.03848	0.13232218	0.00418	0.394113	8.37E-19
0.7079	-0.16671	0.0003	0.175872	0.00013	0.09810156	0.03405	0.18095	8.41E-05
0.11167	0.207453	6.17E-06	0.136076	0.00321	0.23285693	3.61E-07	0.388119	3.08E-18
0.38834	0.146303	0.00152	0.091088	0.04916	0.20260028	1.02E-05	0.395726	5.87E-19
0.01305	0.142217	0.00206	0.072409	0.11814	0.22934799	5.45E-07	0.445257	4.02E-24

0.09898	-0.23524	2.71E-07	-0.14616	0.00154	0.08943095	0.05344	0.263778	7.13E-09
0.07024	-0.21424	2.99E-06	-0.01591	0.7316	0.09882813	0.03274	0.157566	0.00063
0.03799	-0.1075	0.02014	-0.12466	0.00699	0.20188235	1.10E-05	0.282837	4.87E-10
0.41205	0.13408	0.0037	0.038795	0.40291	0.2453219	7.89E-08	0.423392	9.77E-22
0.8719	0.115932	0.01217	0.050605	0.27511	0.36360726	4.82E-16	0.586334	1.82E-44
0.4173	0.073576	0.11231	0.032914	0.47798	0.15293012	0.00091	0.254582	2.42E-08
0.02804	0.161756	0.00045	0.260779	1.07E-08	0.42164868	1.49E-21	0.551018	1.93E-38
0.30256	-0.13376	0.00378	-0.08594	0.06352	0.04102442	0.3764	0.167839	0.00027
0.68916	0.326578	4.56E-13	0.242014	1.19E-07	0.19531592	2.13E-05	0.279544	7.86E-10
0.00467	0.202309	1.05E-05	0.354449	2.86E-15	0.12484196	0.00691	-0.09439	0.04147
0.75916	-0.06419	0.1661	0.13022	0.00482	0.2879553	2.28E-10	0.395307	6.44E-19
0.05481	-0.06465	0.16305	0.158695	0.00058	0.28020554	7.14E-10	0.327203	4.09E-13
2.38E-05	0.217419	2.11E-06	0.225084	8.91E-07	0.11154213	0.01589	-0.11033	0.01707
0.22296	-0.29258	1.14E-10	-0.22524	8.75E-07	-0.0182928	0.69337	0.156313	0.0007
0.75668	0.170897	0.00021	0.200952	1.21E-05	0.04450879	0.33719	0.164121	0.00037
0.00507	-0.10971	0.01771	0.100361	0.03012	0.34928106	7.61E-15	0.329751	2.62E-13
0.15079	-0.00281	0.95176	-0.01887	0.68422	0.28005705	7.30E-10	0.36462	3.94E-16
0.00646	-0.06428	0.16549	0.026771	0.56388	0.29450517	8.48E-11	0.456798	1.88E-25
3.30E-05	-0.04017	0.38638	-0.10042	0.03002	0.10253856	0.02671	0.373626	6.43E-17
0.32871	0.073262	0.11386	0.06281	0.17541	0.16833877	0.00026	0.393328	9.94E-19
0.23329	0.182532	7.27E-05	0.045578	0.32569	0.12597889	0.00641	0.430081	1.90E-22
0.11696	-0.0586	0.20618	0.125917	0.00644	0.23427688	3.05E-07	0.402992	1.16E-19
0.22158	0.145681	0.0016	0.166413	0.0003	0.36881502	1.71E-16	0.60189	2.32E-47
0.04413	-0.05951	0.19923	0.077513	0.09431	0.26728294	4.42E-09	0.495798	2.42E-30
4.11E-07	-0.07886	0.08871	0.055356	0.23249	0.34465243	1.80E-14	0.388948	2.57E-18
1.95E-10	-0.29598	6.76E-11	-0.12564	0.00655	0.14460452	0.00173	0.313071	4.45E-12
0.00581	-0.1315	0.00442	0.020915	0.65212	0.09786283	0.03449	0.247065	6.34E-08
0.02085	0.21479	2.81E-06	0.095325	0.03948	0.30994695	7.41E-12	0.563269	1.90E-40
0.29414	0.237553	2.05E-07	0.167248	0.00028	0.2878356	2.33E-10	0.322593	9.03E-13
0.17291	-0.00896	0.84689	-0.03106	0.5031	-0.0393528	0.39618	0.107253	0.02044
0.03481	-0.06546	0.15784	0.094169	0.04194	0.40526161	6.92E-20	0.54719	7.89E-38
0.0016	0.219607	1.65E-06	0.115663	0.01238	0.29551847	7.26E-11	0.430763	1.60E-22
0.09374	0.001484	0.97449	0.157176	0.00065	0.34474954	1.77E-14	0.442888	7.43E-24
0.05097	0.057214	0.21716	0.118152	0.01061	0.20073538	1.24E-05	0.266874	4.68E-09
0.01986	0.023547	0.61176	-0.15829	0.0006	-0.0238735	0.60683	0.165285	0.00033
0.0006	-0.03915	0.39862	-0.12076	0.009	-0.049447	0.28627	0.067434	0.14567
8.14E-06	-0.02925	0.52836	-0.02993	0.51886	0.14603049	0.00155	0.296589	6.16E-11
0.03242	0.155481	0.00075	-0.05444	0.24035	0.05808348	0.21025	0.118901	0.01012
0.06214	0.049792	0.28291	-0.05904	0.20284	-0.1751099	0.00014	-0.27414	1.70E-09
0.14183	-0.01578	0.7337	0.022181	0.63258	0.35689467	1.79E-15	0.455679	2.54E-25
0.02558	-0.00837	0.85681	0.117693	0.01092	-0.1793231	9.76E-05	-0.27496	1.51E-09
0.94521	0.11826	0.01054	0.184366	6.13E-05	0.21828655	1.92E-06	0.347258	1.11E-14
0.94768	-0.05774	0.213	-0.10034	0.03015	0.01354409	0.77035	0.187781	4.44E-05
0.80735	0.081104	0.07997	0.140433	0.00235	0.07682388	0.09728	0.139981	0.00243
0.03114	0.086772	0.06098	0.033033	0.47639	-0.0112936	0.80769	0.201675	1.12E-05



0.46634	0.147143	0.00143	0.129738	0.00498	0.25675337	1.82E-08	-0.00182	0.96873
0.9997	0.015034	0.74591	0.089032	0.05452	0.23047084	4.78E-07	0.296868	5.90E-11
0.22798	0.017475	0.70644	-0.07661	0.09821	-0.0878408	0.05785	-0.26892	3.53E-09
0.41159	0.106494	0.02135	0.238039	1.94E-07	0.13403042	0.00371	0.228182	6.24E-07
0.05681	0.076753	0.09759	0.026868	0.56248	0.12277893	0.0079	0.427979	3.19E-22
0.50147	0.061858	0.18205	0.002005	0.96553	0.19423911	2.37E-05	0.46318	3.28E-26
0.2996	0.06916	0.13561	-0.00568	0.9026	0.18635033	5.08E-05	0.416176	5.49E-21
2.26E-06	-0.10641	0.02146	0.173044	0.00017	0.34780044	1.00E-14	0.348296	9.15E-15
0.00086	0.242155	1.17E-07	0.336661	7.71E-14	0.0386894	0.40419	-0.18107	8.32E-05
0.36619	0.047862	0.30201	0.044114	0.34149	0.31886678	1.70E-12	0.594924	4.80E-46
0.29872	0.054025	0.24393	0.035664	0.44196	0.10473897	0.0236	0.30564	1.48E-11
0.25724	0.041783	0.36764	-0.04503	0.33155	0.10990197	0.01751	0.149013	0.00124
9.33E-10	0.039738	0.39157	-0.01283	0.78218	0.20966377	4.89E-06	0.30123	2.99E-11
0.00041	-0.04191	0.36617	-0.03891	0.4015	0.11159597	0.01584	0.261339	9.90E-09
0.40073	0.195886	2.02E-05	0.181759	7.81E-05	0.46082248	6.27E-26	0.698188	1.71E-69
0.00074	0.0801	0.08379	-0.02604	0.57459	0.09154947	0.04801	0.227993	6.37E-07
0.17762	0.0814	0.07887	-0.0514	0.26766	-0.0978341	0.03455	0.159587	0.00054
0.0101	0.08642	0.06203	0.161203	0.00047	0.13914743	0.00258	0.311412	5.84E-12
0.54026	0.204918	8.05E-06	0.129747	0.00498	0.30979575	7.60E-12	0.477414	5.85E-28
9.90E-09	0.108572	0.01893	0.011747	0.80012	0.11870089	0.01025	0.199803	1.36E-05
0.37585	0.108233	0.01931	0.063221	0.17259	0.3102758	7.03E-12	0.568867	2.15E-41
0.07413	-0.18455	6.02E-05	-0.06328	0.17216	-0.1842547	6.19E-05	-0.09122	0.04881
0.04979	-0.04747	0.30596	-0.07367	0.11187	0.1041011	0.02447	0.273614	1.83E-09
0.79418	0.144352	0.00176	0.369069	1.62E-16	0.29571907	7.04E-11	0.260031	1.18E-08
0.26976	0.100275	0.03026	0.050935	0.272	0.3650177	3.64E-16	0.577653	6.46E-43
0.29482	-0.02408	0.60374	-0.07234	0.1185	0.16243879	0.00042	0.301652	2.80E-11
0.12478	0.072964	0.11534	0.10693	0.02082	0.17574123	0.00013	0.391406	1.51E-18
1.53E-06	0.122649	0.00797	0.163937	0.00037	0.37567106	4.23E-17	0.481281	1.89E-28
0.00338	-0.14586	0.00157	0.035451	0.44469	0.20298453	9.83E-06	0.372513	8.07E-17
3.09E-05	-0.06188	0.18191	0.023136	0.61799	0.31963339	1.49E-12	0.571908	6.46E-42
0.55476	-0.0654	0.15823	0.076742	0.09764	0.19044523	3.44E-05	0.272459	2.15E-09
0.00172	0.048845	0.29218	-0.00707	0.8789	0.29303617	1.06E-10	0.405382	6.73E-20
0.80773	0.1679	0.00027	0.029226	0.52869	0.06455834	0.16367	0.239698	1.58E-07
0.00622	-0.04346	0.34867	-0.1195	0.00974	0.0919846	0.04696	0.249664	4.56E-08
0.5564	0.15983	0.00053	0.284784	3.66E-10	0.40148226	1.63E-19	0.589046	5.85E-45
0.00294	0.14626	0.00153	0.041164	0.37478	0.22962338	5.27E-07	0.501374	4.28E-31
0.72662	0.088095	0.05713	-0.0778	0.0931	0.04159098	0.36984	0.244157	9.13E-08
0.00778	0.031159	0.50176	-0.00065	0.98885	0.15600012	0.00072	0.36591	3.05E-16
0.00047	-0.09052	0.05058	-0.00305	0.94766	0.28213649	5.39E-10	0.480252	2.56E-28
0.21042	-0.2596	1.25E-08	-0.1495	0.00119	0.16396805	0.00037	0.327414	3.94E-13
0.46741	0.261353	9.89E-09	0.115957	0.01216	0.05336552	0.24975	0.284326	3.91E-10
0.82604	-0.12826	0.00551	-0.00101	0.98257	0.25835723	1.47E-08	0.479599	3.10E-28
0.06445	0.051061	0.27081	0.032782	0.47974	0.16678663	0.00029	0.326052	4.99E-13
0.00027	0.008122	0.86104	-0.00806	0.86216	0.07619945	0.10004	0.351861	4.68E-15
0.27312	0.023252	0.61623	0.072698	0.11668	0.25018801	4.27E-08	0.486751	3.75E-29

0.07184	0.128237	0.00552	0.12388	0.00736	-0.0035775	0.93854	0.118145	0.01061
0.47083	-0.10993	0.01748	-0.07461	0.10734	0.33770593	6.39E-14	0.617743	1.76E-50
0.00028	-0.22345	1.07E-06	-0.14385	0.00183	0.12928846	0.00514	0.269648	3.19E-09
0.01042	-0.15411	0.00083	0.007856	0.86555	0.21929857	1.71E-06	0.323342	7.95E-13
0.0979	-0.17667	0.00012	-0.06932	0.13468	0.1465172	0.0015	0.402495	1.30E-19
2.58E-06	0.054374	0.24089	0.198674	1.52E-05	0.07338503	0.11325	0.248499	5.29E-08
0.27233	0.130361	0.00478	0.045737	0.324	-0.0311881	0.50137	0.164379	0.00036
0.00063	0.263542	7.36E-09	0.123196	0.00769	-0.0309414	0.50476	0.106397	0.02147
0.50124	-0.08489	0.06683	0.089055	0.05446	0.35767927	1.53E-15	0.337222	6.97E-14
0.57142	0.057268	0.21673	-0.03187	0.49199	0.20339636	9.42E-06	0.470932	3.75E-27
0.00039	-0.03949	0.39452	-0.04433	0.33912	0.15894243	0.00057	0.380143	1.67E-17
0.0332	-0.08253	0.07481	-0.05994	0.19604	-0.1284758	0.00543	-0.31903	1.65E-12
0.03914	-0.17562	0.00014	0.002543	0.9563	0.06071693	0.19026	0.148163	0.00132
0.10258	-0.18988	3.63E-05	-0.07484	0.10626	0.13481341	0.00351	0.255208	2.23E-08
0.00616	0.124539	0.00705	0.292955	1.07E-10	0.21656749	2.32E-06	0.280493	6.85E-10
2.80E-05	0.046257	0.31853	0.220307	1.53E-06	0.36310964	5.31E-16	0.497439	1.46E-30
0.49822	0.067458	0.14552	0.066635	0.15051	0.18612099	5.19E-05	0.487427	3.07E-29
0.05425	-0.07982	0.08487	-0.08767	0.05835	0.10821148	0.01933	0.295588	7.18E-11
0.12862	-0.02486	0.59204	-0.04092	0.37768	0.12934427	0.00512	0.310846	6.40E-12
0.11451	0.216209	2.41E-06	-0.00582	0.90018	-0.0409029	0.37782	0.176545	0.00013
0.22115	-0.06175	0.18283	-0.01131	0.80744	0.03059834	0.5095	0.304782	1.70E-11
0.30532	0.11773	0.01089	0.112205	0.01527	0.34773375	1.02E-14	0.5264	1.20E-34
5.84E-31	-0.00503	0.91367	-0.04002	0.38818	0.20313127	9.68E-06	0.301817	2.72E-11
0.54026	0.138524	0.0027	0.202728	1.01E-05	0.21336798	3.28E-06	-0.03326	0.47341
0.78851	0.287592	2.41E-10	-0.02081	0.65377	-0.0867593	0.06101	0.136585	0.0031
0.89095	0.087088	0.06004	-0.00752	0.87132	-0.0896397	0.05289	0.051539	0.26634
0.84315	-0.15469	0.0008	0.178237	0.00011	0.17279822	0.00018	0.282362	5.22E-10
0.07423	0.02164	0.6409	0.165081	0.00034	0.21941353	1.69E-06	0.401129	1.76E-19
0.22058	0.092522	0.04568	0.010462	0.82161	0.21327187	3.32E-06	0.472373	2.49E-27
0.58058	0.030072	0.51681	0.122584	0.008	0.07821842	0.09134	0.203043	9.77E-06
0.10844	0.124821	0.00692	0.125323	0.00669	0.37613092	3.84E-17	0.619146	9.12E-51
1.79E-12	-0.27308	1.98E-09	-0.093	0.04457	0.12859273	0.00539	0.287437	2.47E-10
1.35E-06	0.051957	0.26248	0.103474	0.02535	0.3241467	6.93E-13	0.402605	1.26E-19
0.84306	0.033265	0.47329	0.004227	0.92742	0.26510866	5.95E-09	0.475437	1.03E-27
0.83039	0.126528	0.00618	0.043359	0.34983	0.00258307	0.9556	0.128125	0.00556
0.72178	0.04364	0.34671	0.15779	0.00062	0.24209886	1.18E-07	0.436625	3.69E-23
0.41327	0.208773	5.37E-06	0.120038	0.00942	0.15675306	0.00068	0.429732	2.07E-22
0.00329	0.032213	0.4874	-0.03404	0.46302	0.13450186	0.00359	0.408171	3.55E-20
0.09488	0.261253	1.00E-08	0.088251	0.05668	0.31348769	4.15E-12	0.612961	1.60E-49
0.07759	0.272849	2.04E-09	0.319961	1.41E-12	0.21910428	1.75E-06	-0.07556	0.10295
0.82212	0.097817	0.03458	0.025672	0.58	0.25464645	2.40E-08	0.557995	1.42E-39
0.00018	-0.15975	0.00053	-0.31295	4.54E-12	-0.0774856	0.09442	0.153368	0.00088
0.01178	0.208875	5.31E-06	0.183403	6.70E-05	0.25333148	2.85E-08	0.386657	4.21E-18
0.15948	0.154202	0.00083	0.170523	0.00021	0.375018	4.83E-17	0.635907	2.78E-54
0.28394	0.17106	0.0002	0.070807	0.12652	0.13595804	0.00324	-0.04983	0.28258

0.01263	0.097301	0.03555	-0.04418	0.3408	0.15216425	0.00097	0.383436	8.35E-18
0.98637	-0.04237	0.36094	0.007986	0.86335	-0.0683268	0.1404	-0.05257	0.25691
0.47821	-0.03299	0.47701	-0.21754	2.08E-06	0.01821223	0.69465	0.09182	0.04735
0.14964	0.016878	0.71602	-0.04551	0.32638	0.29730255	5.51E-11	0.514204	7.04E-33
0.8039	0.321533	1.08E-12	0.135824	0.00327	0.36699731	2.46E-16	0.589429	4.98E-45
0.00058	0.148135	0.00133	-0.00061	0.98948	-0.0248532	0.59215	0.101977	0.02755
0.21916	0.022053	0.63454	0.055704	0.22956	0.20536069	7.69E-06	0.410047	2.30E-20
0.91163	0.359375	1.10E-15	0.125664	0.00655	0.25407794	2.58E-08	0.508221	4.89E-32
0.57226	0.180389	8.86E-05	0.086308	0.06238	0.15869499	0.00058	0.213456	3.25E-06
0.04492	0.041369	0.37241	-0.0977	0.0348	0.02642665	0.56891	0.195329	2.13E-05
0.00798	0.047575	0.30493	-0.01016	0.82663	0.06432399	0.16521	0.120882	0.00893
0.01196	-0.03444	0.45783	-0.0728	0.11617	0.03872496	0.40376	0.1333	0.0039
0.29566	0.034035	0.46311	-0.2051	7.90E-06	0.12077907	0.00898	0.296478	6.26E-11
0.86201	0.15424	0.00083	-0.05492	0.23619	0.13117472	0.00452	0.278921	8.60E-10
0.39976	-0.04265	0.35778	-0.12392	0.00734	0.15270049	0.00093	0.335805	8.99E-14
0.08519	-0.14941	0.0012	-0.30185	2.71E-11	-0.2140459	3.05E-06	-0.0997	0.03123
0.85703	0.185395	5.56E-05	0.158656	0.00058	0.16674031	0.0003	0.375851	4.07E-17
0.42772	0.150427	0.00111	-0.07549	0.10325	0.18107781	8.31E-05	0.391877	1.36E-18
0.13676	0.199296	1.43E-05	-0.00909	0.84471	0.21486065	2.79E-06	0.452656	5.72E-25
0.12756	0.138925	0.00262	-0.07188	0.12086	0.07991283	0.08452	0.285171	3.45E-10
0.52478	0.046397	0.31707	-0.28006	7.29E-10	0.01390377	0.76443	0.226429	7.64E-07
0.37841	-0.12433	0.00714	-0.35819	1.39E-15	-0.0628224	0.17532	0.133901	0.00374
0.23133	0.135342	0.00339	-0.10076	0.02947	0.0795931	0.08577	0.184102	6.28E-05
0.80579	0.168551	0.00025	-0.06582	0.1556	0.14168926	0.00215	0.396572	4.87E-19
0.2773	0.323245	8.08E-13	0.055114	0.23454	0.27767834	1.03E-09	0.514653	6.08E-33
0.67767	0.033822	0.4659	-0.09703	0.03606	0.10806417	0.0195	0.258655	1.42E-08
0.30753	0.269428	3.29E-09	0.181778	7.79E-05	0.17569081	0.00014	0.354322	2.93E-15
0.65281	0.150696	0.00109	0.044981	0.33208	0.25534454	2.19E-08	0.471371	3.31E-27
0.45665	0.031486	0.49729	-0.22509	8.91E-07	0.05351865	0.24839	0.314155	3.72E-12
0.79462	0.157836	0.00062	0.048974	0.29091	0.30635425	1.32E-11	0.520173	9.81E-34
0.73594	0.029524	0.52449	-0.07843	0.09047	0.32104728	1.17E-12	0.42963	2.12E-22
0.24261	0.219782	1.62E-06	0.136929	0.00303	0.29541529	7.38E-11	0.27346	1.87E-09
0.02946	0.004524	0.92233	-0.11735	0.01115	-0.0103873	0.82285	0.063522	0.17055
0.97229	0.079728	0.08524	-0.07118	0.12455	0.12244123	0.00808	0.346233	1.34E-14
0.36811	0.044683	0.3353	-0.13521	0.00342	0.22322852	1.10E-06	0.430261	1.82E-22
0.80133	0.157702	0.00063	-0.03751	0.41871	0.12018544	0.00933	0.36524	3.49E-16
0.7322	0.197948	1.64E-05	-0.08857	0.05579	0.1533585	0.00088	0.349636	7.11E-15
0.03614	0.216607	2.31E-06	0.012593	0.78607	0.11441471	0.01336	0.258435	1.46E-08
0.02199	0.478064	4.84E-28	0.143573	0.00187	0.21372761	3.16E-06	0.317173	2.25E-12
0.0055	0.184371	6.12E-05	-0.03424	0.46044	0.03131361	0.49965	0.155225	0.00076
1.98E-28	-0.141	0.00226	-0.12331	0.00764	0.03596356	0.43813	0.108975	0.01849
#####	-0.11492	0.01296	-0.10074	0.0295	-0.0053898	0.90752	0.011607	0.80246
1.40E-41	-0.01314	0.77705	0.032214	0.48738	0.13733951	0.00294	0.151889	0.00099
3.54E-47	0.056764	0.22081	0.043719	0.34584	0.14038733	0.00236	0.199086	1.46E-05
2.37E-53	-0.17202	0.00019	-0.10205	0.02744	0.06326405	0.1723	0.118303	0.01051

#####	-0.20183	1.11E-05	-0.12309	0.00775	0.02330782	0.61538	-0.0461	0.32016
1.30E-64	0.037584	0.41777	0.019146	0.67985	0.07080196	0.12655	0.057923	0.21151
1.34E-38	-0.126	0.0064	0.02896	0.53243	0.31277792	4.67E-12	0.383824	7.70E-18
1.27E-37	-0.10975	0.01767	-0.14225	0.00206	-0.0242853	0.60064	-0.01353	0.77058
1.49E-79	-0.25551	2.14E-08	-0.14481	0.0017	0.10388198	0.02477	0.089051	0.05447
#####	-0.04427	0.33974	-0.0277	0.55041	0.0099682	0.82989	-0.03159	0.49585
2.35E-90	-0.19876	1.51E-05	-0.03385	0.46559	0.25087109	3.91E-08	0.271232	2.56E-09
5.20E-60	-0.12149	0.00858	0.022051	0.63457	0.17093906	0.00021	0.158525	0.00059
#####	-0.048	0.30061	-0.06063	0.19089	0.01633069	0.72485	0.021046	0.65009
#####	-0.23152	4.22E-07	-0.10311	0.02586	0.12597503	0.00641	0.083716	0.07069
1.33E-73	0.010033	0.8288	-0.00044	0.99246	0.06234246	0.17865	0.047091	0.30987
7.67E-40	0.088014	0.05736	0.044468	0.33763	0.07404197	0.11005	0.115537	0.01247
4.74E-53	-0.26155	9.62E-09	-0.25264	3.11E-08	-0.0331252	0.47515	-0.01614	0.72786
2.66E-54	-0.1378	0.00284	-0.10044	0.02998	-0.0618968	0.18178	-0.04247	0.3598
1.42E-78	-0.05921	0.20155	-0.06767	0.14428	0.0496448	0.28434	0.042383	0.36079
5.23E-58	-0.17498	0.00014	-0.1514	0.00103	-0.0322606	0.48676	-0.07956	0.08591
#####	-0.10851	0.019	-0.08498	0.06653	-0.0089665	0.84676	-0.06558	0.15712
2.79E-28	-0.15147	0.00103	-0.05711	0.21801	0.03304518	0.47622	0.100437	0.03
1.56E-98	-0.03463	0.45528	-0.00553	0.90513	-0.0131705	0.77651	-0.04567	0.32468
1.20E-38	-0.0441	0.34163	0.053113	0.252	0.26283613	8.10E-09	0.288323	2.16E-10
1.55E-46	-0.07144	0.12313	-0.04208	0.3642	0.05693546	0.21942	0.024559	0.59654
4.61E-36	-0.08904	0.05451	-0.10444	0.02401	0.00388688	0.93324	0.065384	0.15834
3.71E-31	-0.02181	0.63835	-0.06742	0.14573	-0.0734716	0.11282	-0.12395	0.00732
7.75E-48	-0.0936	0.04321	-0.07001	0.13085	-0.0529401	0.25355	-0.09054	0.05053
3.21E-39	-0.06984	0.13182	0.021087	0.64945	0.02597437	0.57555	-0.02962	0.5232
4.18E-72	-0.17559	0.00014	-0.17576	0.00013	-0.0956042	0.0389	-0.11614	0.01202
2.01E-67	-0.16305	0.0004	-0.19022	3.51E-05	-0.0856031	0.06455	-0.10917	0.01827
2.28E-22	-0.13018	0.00484	-0.17304	0.00017	-0.1533342	0.00089	-0.14248	0.00202
3.51E-29	-0.0551	0.23466	-0.0475	0.30567	-0.0284907	0.53911	-0.07653	0.09856
1.83E-39	-0.1932	2.63E-05	-0.1422	0.00207	0.10768555	0.01993	-0.01322	0.77578
3.17E-31	-0.16167	0.00045	-0.20049	1.27E-05	-0.1121574	0.01531	-0.11388	0.0138
2.90E-94	-0.15999	0.00052	-0.09412	0.04204	-0.0006523	0.98878	-0.05095	0.27185
6.84E-21	-0.2704	2.87E-09	-0.21791	2.00E-06	0.01365209	0.76857	0.105481	0.02262
1.15E-66	-0.11784	0.01082	-0.14343	0.00189	-0.0574957	0.21491	-0.08058	0.08195
1.82E-57	-0.08773	0.05818	-0.06684	0.14925	0.00344366	0.94084	-0.02155	0.64224
1.06E-07	0.068718	0.13813	-0.01581	0.73336	0.0252114	0.58682	0.080855	0.0809
1.03E-58	0.157477	0.00064	0.049693	0.28388	-0.023593	0.61106	0.049101	0.28965
3.74E-52	-0.00818	0.86011	-0.03104	0.50339	0.05246075	0.25788	0.074655	0.10713
#####	-0.13247	0.00414	-0.06699	0.14833	0.02636726	0.56978	-0.00663	0.88629
2.42E-26	0.277013	1.13E-09	0.194326	2.35E-05	0.08864944	0.05557	0.053401	0.24943
2.59E-67	-0.24048	1.44E-07	-0.17182	0.00019	-0.0446139	0.33605	-0.11472	0.01311
2.96E-38	0.127532	0.00578	0.083687	0.07079	0.13033512	0.00479	0.138313	0.00274
1.01E-44	-0.01973	0.67061	0.040832	0.37865	0.1156238	0.01241	0.18465	5.97E-05
2.43E-58	-0.02062	0.65673	0.012512	0.78742	0.19983187	1.36E-05	0.207479	6.16E-06
4.50E-36	-0.25959	1.25E-08	-0.16275	0.00041	-0.0279644	0.54663	-0.01769	0.703

2.56E-43	0.08899	0.05464	-1.25E-05	0.99979	0.11843365	0.01042	0.19452	2.31E-05
1.24E-90	0.08236	0.07539	0.019711	0.67095	0.05730355	0.21644	0.091351	0.0485
9.15E-46	-0.01879	0.68543	0.011881	0.79789	0.03522985	0.44754	0.013313	0.77415
5.19E-25	-0.02685	0.56268	-0.02388	0.60677	-0.0059723	0.89758	-0.04875	0.29313
2.34E-57	-0.0151	0.74475	0.015268	0.7421	0.04456865	0.33654	-0.00334	0.94262
1.32E-38	-0.03282	0.4793	-0.02989	0.51933	-0.0144009	0.75627	-0.06218	0.17977
8.84E-38	0.046003	0.3212	0.04895	0.29114	0.12559886	0.00657	0.164293	0.00036
#####	-0.05294	0.25352	-0.03094	0.5048	0.03610976	0.43627	0.018037	0.69745
#####	-0.09894	0.03254	-0.10319	0.02575	-0.0394029	0.39557	-0.03662	0.42985
#####	-0.0824	0.07527	-0.02866	0.53669	0.02151512	0.64282	-0.03258	0.48245
1.02E-61	-0.06793	0.14271	-0.1019	0.02767	-0.0393785	0.39587	-0.04332	0.35032
3.05E-80	-0.02424	0.60128	-0.03258	0.48249	-0.0442426	0.34009	-0.08689	0.06063
1.55E-27	-0.08867	0.0555	-0.13108	0.00455	-0.1381034	0.00278	-0.12264	0.00797
1.38E-72	0.016969	0.71455	-0.00404	0.93055	0.06384741	0.16837	0.038373	0.40806
1.62E-29	0.084875	0.06687	0.057703	0.21325	0.02741498	0.55454	-0.01306	0.7783
2.98E-42	-0.10049	0.02991	-0.02216	0.63295	0.13478027	0.00352	0.121003	0.00886
5.38E-75	-0.07385	0.11098	-0.13117	0.00452	-0.0400229	0.38818	-0.0276	0.55187
6.29E-35	-0.20975	4.84E-06	-0.15886	0.00057	-0.0041241	0.92917	-0.01736	0.70823
5.49E-19	-0.09888	0.03265	-0.07294	0.11545	-0.036653	0.4294	-0.00281	0.95175
4.18E-23	0.061824	0.18229	0.028532	0.53852	0.05855482	0.20656	0.053345	0.24993
1.80E-54	-0.05004	0.28048	-0.03548	0.44429	0.03402014	0.4633	0.015574	0.73711
6.53E-37	-0.16974	0.00023	-0.31662	2.47E-12	-0.0423929	0.36068	0.07406	0.10996
8.07E-38	-0.08572	0.06418	-0.13249	0.00413	-0.015101	0.74482	0.093989	0.04234
1.16E-57	-0.0296	0.52346	-0.06462	0.16327	0.02709266	0.55921	0.038871	0.40199
5.76E-30	-0.15254	0.00094	-0.0984	0.03351	-0.006876	0.88219	-0.05707	0.21832
3.79E-18	-0.30193	2.68E-11	-0.18568	5.42E-05	0.02276004	0.62371	0.069172	0.13554
2.52E-26	-0.04791	0.30155	-0.05303	0.25277	0.06821674	0.14104	0.095745	0.03861
4.26E-77	0.00945	0.8386	-0.03103	0.50357	0.07819104	0.09145	0.084839	0.06699
3.24E-35	-0.07052	0.12804	-0.08623	0.06261	-0.0486321	0.29429	-0.03041	0.51207
8.10E-40	-0.08848	0.05604	-0.10401	0.02459	-0.0027976	0.95192	0.045107	0.33072
2.78E-60	-0.02791	0.5474	0.007311	0.8748	0.29674723	6.01E-11	0.306757	1.24E-11
8.79E-26	-0.26394	6.98E-09	-0.22275	1.16E-06	0.00063888	0.98901	0.059402	0.20006
8.34E-39	0.125217	0.00674	0.172252	0.00018	0.29705545	5.73E-11	0.319947	1.41E-12
1.52E-49	0.090005	0.05193	0.105237	0.02294	0.14565164	0.0016	0.144351	0.00176
1.46E-32	0.017987	0.69824	-0.10145	0.02837	-0.0319691	0.49071	-0.00509	0.91261
5.20E-32	0.061064	0.18774	0.026887	0.5622	0.0594186	0.19993	0.111516	0.01591
1.22E-32	-0.03851	0.40634	0.081284	0.0793	0.25314117	2.92E-08	0.329067	2.96E-13
1.57E-27	0.202488	1.03E-05	0.144483	0.00175	0.06659101	0.15078	0.061803	0.18245
3.51E-25	-0.01139	0.80601	-0.07936	0.08671	0.00484204	0.91689	0.051861	0.26337
4.39E-46	-0.03432	0.45937	-0.06397	0.16755	0.02064153	0.65638	0.039497	0.39445
7.51E-43	-0.00048	0.99181	-0.06975	0.13229	0.0549107	0.23628	0.067041	0.14803
3.83E-31	0.066271	0.15276	0.085087	0.06619	0.32494124	6.04E-13	0.349728	6.99E-15
2.97E-18	-0.17837	0.00011	-0.1721	0.00019	-0.1556653	0.00074	-0.10389	0.02476
1.59E-31	-0.32544	5.54E-13	-0.26376	7.15E-09	-0.0802516	0.0832	-0.08573	0.06417
2.02E-96	-0.04848	0.29585	-0.01873	0.68636	0.04540235	0.32757	0.035834	0.43979

1.19E-43	-0.05042	0.27691	-0.05416	0.24272	0.01043979	0.82197	-0.00682	0.88318
2.69E-37	-0.27112	2.60E-09	-0.14085	0.00228	-0.0047335	0.91874	-0.03072	0.50783
1.10E-34	-0.04875	0.29312	-0.06126	0.18635	0.0725193	0.11758	0.115464	0.01253
3.26E-43	0.158734	0.00058	0.169437	0.00023	0.26174708	9.38E-09	0.257656	1.62E-08
1.49E-41	-0.11049	0.01691	-0.05053	0.27579	0.09189268	0.04718	0.116131	0.01203
1.07E-89	-0.10632	0.02157	-0.04071	0.38003	0.02570905	0.57946	-0.01569	0.73528
7.01E-64	0.040792	0.37911	0.058508	0.20693	0.04153201	0.37052	0.030928	0.50495
1.25E-41	-0.04961	0.28467	-0.05549	0.23139	0.05017934	0.27918	0.064918	0.16133
6.53E-50	-0.20263	1.02E-05	-0.11717	0.01127	-0.0425727	0.35864	-0.09093	0.04954
#####	-0.18471	5.93E-05	-0.22387	1.02E-06	-0.0757095	0.10225	-0.10976	0.01765
2.12E-30	0.035861	0.43944	-0.0446	0.33623	-0.0087518	0.85039	0.009199	0.84284
#####	-0.15936	0.00055	-0.09884	0.03272	0.08241057	0.07521	0.087096	0.06002
9.56E-40	0.073202	0.11415	0.00199	0.96579	0.01577467	0.73386	-0.10137	0.0285
4.72E-47	0.026223	0.57189	-0.00176	0.96974	0.0875741	0.05862	0.100554	0.0298
#####	-0.04981	0.28275	0.007087	0.8786	0.02876361	0.53523	-0.02707	0.55951
5.40E-22	0.047626	0.30441	-0.00203	0.96514	0.02839739	0.54044	0.042123	0.36375
1.56E-32	0.051252	0.26902	-0.05446	0.24013	0.05084608	0.27283	0.11539	0.01259
7.04E-23	-0.05918	0.20173	-0.08056	0.082	-0.0454857	0.32668	-0.09498	0.04019
2.75E-64	-0.01514	0.74417	-0.04316	0.35205	0.02589667	0.57669	0.048577	0.29484
7.19E-47	-0.09723	0.03568	-0.04641	0.31696	0.09640314	0.03729	0.145807	0.00158
1.53E-49	0.008935	0.84729	0.035006	0.45043	0.10440138	0.02405	0.099828	0.03101
7.49E-20	-0.07032	0.12913	-0.0453	0.32861	-0.1082252	0.01932	-0.08109	0.08002
1.86E-83	-0.19011	3.55E-05	-0.10761	0.02002	0.1062517	0.02165	0.184724	5.92E-05
#####	-0.09229	0.04623	-0.03732	0.4211	0.03932787	0.39648	0.026684	0.56515
1.39E-44	-0.10498	0.02327	-0.10912	0.01833	0.17876939	0.0001	0.238041	1.94E-07
1.32E-77	-0.29991	3.67E-11	-0.21733	2.13E-06	-0.0558984	0.22794	-0.04895	0.29115
3.09E-76	-0.13597	0.00324	-0.03458	0.45591	0.11129448	0.01612	0.121259	0.00871
2.60E-54	0.183179	6.84E-05	0.221703	1.31E-06	0.27229598	2.20E-09	0.260056	1.18E-08
1.44E-36	-0.07535	0.10391	-0.06084	0.18934	0.02968998	0.52215	-0.03903	0.40004
2.62E-94	-0.02562	0.5808	-0.08484	0.06698	0.10125631	0.02867	0.179695	9.44E-05
5.68E-38	-0.11626	0.01193	-0.25656	1.87E-08	-0.0435779	0.3474	0.076741	0.09764
5.44E-67	-0.01018	0.82633	0.016064	0.72917	0.06109218	0.18754	0.026721	0.56461
1.94E-40	-0.28853	2.10E-10	-0.19126	3.17E-05	0.02113369	0.64873	0.051766	0.26424
6.30E-61	-0.14906	0.00123	-0.18108	8.31E-05	-0.071882	0.12085	-0.03004	0.51729
9.53E-29	0.094529	0.04116	0.0564	0.22379	0.08026711	0.08314	0.060742	0.19008
5.78E-33	-0.27876	8.80E-10	-0.09647	0.03717	0.04071066	0.38007	0.062807	0.17542
4.42E-40	0.010434	0.82206	-0.01469	0.75156	0.06296349	0.17435	0.070351	0.12899
6.66E-29	-0.45077	9.44E-25	-0.28188	5.60E-10	0.12897415	0.00525	0.136167	0.00319
1.88E-27	0.100609	0.02971	0.037259	0.42181	0.07133598	0.1237	0.133836	0.00376
3.44E-34	-0.09813	0.034	-0.07988	0.08464	-0.0496502	0.28429	0.025249	0.58626
6.96E-61	-0.03467	0.45479	-0.04002	0.38825	0.01799033	0.69819	0.015267	0.74211
1.24E-95	-0.16351	0.00039	-0.08721	0.05969	0.01606356	0.72917	-0.02446	0.598
5.63E-39	0.12785	0.00566	0.155562	0.00074	0.12402533	0.00729	0.079593	0.08577
2.08E-55	0.024863	0.592	0.003454	0.94066	0.04623443	0.31877	0.059105	0.20232
4.07E-43	-0.05643	0.22356	-0.07339	0.11325	0.04460112	0.33618	0.068689	0.1383

3.31E-58	0.206103	7.11E-06	0.051214	0.26937	0.12725787	0.00589	0.132243	0.0042
2.64E-32	-0.0806	0.08187	-0.08102	0.08027	0.01717557	0.71123	0.017868	0.70015
8.15E-32	-0.10534	0.0228	-0.03416	0.46141	0.0758436	0.10164	0.090049	0.05181
9.86E-27	-0.05983	0.19683	-0.09821	0.03385	0.00047629	0.99181	-0.00075	0.98716
4.97E-30	-0.15921	0.00055	-0.24207	1.18E-07	-0.1648471	0.00035	-0.24491	8.31E-08
7.01E-41	-0.0569	0.21967	-0.00833	0.85759	0.21659242	2.31E-06	0.282339	5.24E-10
2.41E-79	-0.10943	0.01801	-0.11208	0.01539	-0.0179526	0.69879	-0.00753	0.87111
1.42E-28	-0.29941	3.97E-11	-0.03844	0.4072	0.15675894	0.00067	0.102751	0.02639
2.57E-24	-0.1893	3.83E-05	-0.08663	0.0614	0.13294553	0.004	0.195763	2.04E-05
3.15E-47	-0.24574	7.49E-08	-0.10763	0.02	0.1671549	0.00029	0.149654	0.00118
3.47E-31	-0.01579	0.73368	0.133492	0.00385	0.27600294	1.31E-09	0.247103	6.31E-08
3.26E-38	0.041107	0.37545	0.100348	0.03014	0.06829875	0.14056	0.052208	0.26018
1.30E-41	-0.02535	0.58478	0.165362	0.00033	0.41550436	6.44E-21	0.384125	7.22E-18
3.63E-57	-0.11791	0.01077	-0.01897	0.68263	0.10494192	0.02333	0.103453	0.02538
4.96E-46	-0.0386	0.40532	-0.08595	0.06348	0.05525871	0.23332	0.073738	0.11152
6.89E-48	-0.14154	0.00217	-0.0468	0.31283	0.02218152	0.63256	-0.05729	0.21655
2.96E-69	-0.02672	0.56462	-0.01144	0.80525	-0.0480423	0.30019	-0.0665	0.15137
0.96805	0.17034	0.00022	-0.12386	0.00737	-0.1511966	0.00105	0.032178	0.48787
1.43E-08	0.177015	0.00012	-0.02018	0.66359	-0.3720678	8.84E-17	-0.31867	1.75E-12
0.89082	0.180649	8.65E-05	-0.11271	0.01482	-0.0911946	0.04889	0.12826	0.00551
0.98741	0.191322	3.16E-05	-0.12368	0.00746	-0.1582773	0.0006	0.031468	0.49753
0.00183	0.137068	0.003	-0.01967	0.67164	0.03907845	0.39948	0.152267	0.00096
0.23368	0.198162	1.61E-05	-0.10682	0.02095	-0.0831283	0.0727	0.076807	0.09736
0.00411	0.094955	0.04025	0.109013	0.01845	0.0265552	0.56703	0.09662	0.03686
0.0041	0.22241	1.21E-06	0.00691	0.88161	0.01316285	0.77664	0.130499	0.00473
0.81004	0.003481	0.94019	-0.15692	0.00067	-0.2375258	2.06E-07	-0.21057	4.44E-06
0.02264	0.312161	5.17E-12	0.141552	0.00217	0.12582177	0.00648	0.24259	1.11E-07
0.83412	0.191192	3.20E-05	-0.07168	0.12188	-0.0518318	0.26363	0.077047	0.09631
0.01343	0.284977	3.55E-10	0.064011	0.16728	0.0451713	0.33004	0.193398	2.58E-05
0.52745	0.246299	6.98E-08	-0.00054	0.99077	-0.0918505	0.04728	0.015228	0.74275
0.53856	0.153339	0.00089	-0.04688	0.31208	0.00604845	0.89628	0.07916	0.0875
0.01368	0.253022	2.96E-08	-0.02367	0.6099	-0.1879362	4.37E-05	-0.06816	0.14134
2.70E-06	0.131384	0.00446	0.012038	0.79528	-0.0160743	0.729	0.05974	0.19751
0.00629	0.058718	0.2053	-0.10945	0.01798	-0.1381741	0.00277	-0.12429	0.00716
0.04243	0.006401	0.89027	-0.17725	0.00012	-0.0843431	0.0686	-0.00361	0.93797
0.49698	0.129026	0.00523	-0.09483	0.04051	0.05302338	0.2528	0.199726	1.37E-05
0.88599	0.096184	0.03773	-0.02965	0.52268	0.02825289	0.5425	0.108785	0.0187
0.9996	0.249551	4.63E-08	-0.01324	0.77538	-0.0224905	0.62783	-0.02063	0.65651
0.56865	0.14249	0.00202	-0.12359	0.0075	0.00213132	0.96336	0.173779	0.00016
1.90E-05	0.327989	3.57E-13	0.195025	2.20E-05	-0.0008509	0.98537	0.050343	0.27762
0.06291	0.161247	0.00047	0.289658	1.77E-10	0.21400377	3.06E-06	0.166665	0.0003
0.03772	0.332395	1.65E-13	0.028869	0.53373	0.02376893	0.60841	0.125872	0.00646
0.61277	0.137054	0.003	-0.11434	0.01342	-0.0192759	0.67779	0.110237	0.01717
0.00245	0.236105	2.45E-07	0.061939	0.18148	0.04079964	0.37903	0.189433	3.79E-05
0.00474	0.414896	7.43E-21	0.106916	0.02084	0.06303228	0.17388	0.163588	0.00039

0.74156	0.136312	0.00316	-0.06011	0.19475	-0.0375424	0.41828	0.091806	0.04739
0.23136	0.309958	7.40E-12	-0.034	0.46353	-0.0637432	0.16907	0.088198	0.05684
0.31892	0.164145	0.00037	-0.08208	0.07638	-0.0987417	0.0329	-0.00324	0.94432
0.00374	0.124763	0.00694	-0.12012	0.00937	-0.1522621	0.00096	-0.12994	0.00492
0.66169	0.224284	9.76E-07	-0.10649	0.02136	-0.105403	0.02273	-0.00301	0.94824
0.01299	0.263014	7.91E-09	0.025948	0.57593	-0.0835306	0.07132	0.008766	0.85014
0.00027	0.322882	8.60E-13	0.122888	0.00785	-0.0503443	0.2776	-0.01894	0.68305
0.39463	0.117349	0.01115	-0.17016	0.00022	-0.1004939	0.0299	0.017243	0.71015
0.31293	0.285863	3.12E-10	-0.01407	0.76173	-0.0355536	0.44338	0.100877	0.02928
0.27099	0.150297	0.00112	-0.16355	0.00039	0.00347249	0.94034	0.117508	0.01104
0.85074	0.096851	0.03641	-0.17048	0.00021	-0.0596035	0.19854	0.081107	0.07996
0.89519	0.209708	4.86E-06	-0.10748	0.02017	-0.0750017	0.1055	0.121638	0.0085
0.19359	0.165748	0.00032	-0.13913	0.00258	-0.0892827	0.05384	0.07186	0.12096
0.40701	0.144128	0.00179	-0.10297	0.02607	-0.0203988	0.66016	0.105506	0.02259
0.06598	0.061152	0.18711	-0.12593	0.00643	0.04959198	0.28485	0.180655	8.64E-05
0.04051	0.222652	1.18E-06	0.139991	0.00243	0.17688341	0.00012	0.212882	3.46E-06
0.01728	0.150834	0.00108	0.113442	0.01417	-0.0564278	0.22356	-0.01939	0.67603
0.02213	0.164976	0.00034	0.027583	0.55211	-0.1199508	0.00947	-0.00743	0.87273
0.36728	0.104485	0.02394	-0.13884	0.00264	-0.0289427	0.53269	0.132555	0.00411
0.60384	0.160394	0.0005	-0.13561	0.00332	-0.0726247	0.11705	0.117329	0.01117
0.0091	0.271791	2.37E-09	-0.08527	0.06562	-0.3137636	3.97E-12	-0.29035	1.59E-10
0.81712	-0.04137	0.37243	-0.08657	0.06159	-0.0138875	0.76469	0.083344	0.07196
0.4998	0.014494	0.75474	-0.16994	0.00022	-0.0548596	0.23671	0.150676	0.00109
0.19819	0.126744	0.00609	-0.06123	0.18651	-0.0357042	0.44145	0.116211	0.01197
0.00033	0.12303	0.00778	0.015721	0.73473	0.02266495	0.62516	0.093125	0.04428
2.29E-05	0.342143	2.86E-14	0.063061	0.17368	-0.198511	1.55E-05	-0.16441	0.00036
0.41769	0.524055	2.67E-34	0.517835	2.13E-33	0.2506648	4.01E-08	0.324211	6.85E-13
0.00119	0.500331	5.93E-31	0.393508	9.56E-19	0.41311268	1.13E-20	0.270257	2.93E-09
4.93E-05	0.429927	1.97E-22	0.15725	0.00065	0.1030922	0.02589	0.204578	8.34E-06
0.18126	-0.37001	1.34E-16	-0.16304	0.0004	-0.059583	0.19869	-0.21971	1.63E-06
0.06568	0.372152	8.69E-17	0.240281	1.47E-07	-0.0099979	0.82939	-0.02195	0.63613
2.48E-05	0.378867	2.18E-17	0.401321	1.69E-19	0.23633672	2.38E-07	0.02459	0.59608
0.91316	0.611778	2.75E-49	0.552759	1.01E-38	0.18160004	7.92E-05	0.152322	0.00096
0.23586	0.35706	1.73E-15	0.14553	0.00161	0.03977385	0.39114	0.079645	0.08557
0.00976	0.57778	6.14E-43	0.448736	1.62E-24	0.07923834	0.08718	0.208956	5.27E-06
0.31394	0.675246	1.87E-63	0.471801	2.93E-27	0.32427749	6.77E-13	0.418769	2.97E-21
7.76E-05	0.343505	2.22E-14	0.144278	0.00177	-0.114359	0.01341	-0.15419	0.00083
0.12026	0.364603	3.96E-16	0.258508	1.44E-08	0.1611898	0.00047	0.168119	0.00026
0.00632	-0.39057	1.81E-18	-0.10721	0.02049	0.00282249	0.95149	-0.0484	0.2966
1.55E-13	0.549128	3.88E-38	0.397246	4.19E-19	-0.0434817	0.34846	-0.03596	0.43819
0.7284	0.483825	8.96E-29	0.181806	7.77E-05	-0.0231018	0.61851	0.086625	0.06142
0.00267	0.674234	3.36E-63	0.793003	#####	0.13496644	0.00348	-0.03094	0.50475
0.86755	0.343492	2.23E-14	0.293028	1.06E-10	0.22588841	8.13E-07	0.16115	0.00047
0.00227	0.455102	2.97E-25	0.220121	1.56E-06	0.14254309	0.00202	0.115678	0.01237
0.32576	-0.36598	3.01E-16	-0.29407	9.06E-11	-0.1597747	0.00053	-0.24679	6.57E-08



0.0711	0.343368	2.28E-14	0.185654	5.43E-05	0.17893395	0.0001	-0.01488	0.7485
0.00321	0.839688	#####	0.429536	2.17E-22	0.26207816	8.97E-09	0.38419	7.12E-18
3.88E-07	0.352592	4.07E-15	0.452846	5.43E-25	0.42421781	7.99E-22	0.285074	3.50E-10
0.21624	0.480933	2.10E-28	0.646288	1.43E-56	0.42477916	6.98E-22	0.33674	7.60E-14
0.00026	0.409311	2.73E-20	0.205556	7.53E-06	0.00739458	0.87338	-0.03275	0.48018
0.0002	0.573672	3.20E-42	0.43112	1.47E-22	0.16230599	0.00043	0.080617	0.08181
0.03377	0.886433	#####	0.448525	1.71E-24	0.18057233	8.71E-05	0.304933	1.66E-11
0.54429	0.705899	1.18E-71	0.206801	6.61E-06	0.16919315	0.00024	0.248314	5.41E-08
0.05876	0.289459	1.82E-10	-0.07605	0.10071	0.00602236	0.89673	-0.06982	0.1319
0.12469	-0.32194	1.01E-12	-0.09186	0.04725	0.21329825	3.31E-06	0.240772	1.39E-07
0.12612	0.682764	2.26E-65	0.27191	2.33E-09	-0.0292898	0.52778	-0.12062	0.00908
0.00195	0.385781	5.08E-18	0.188104	4.30E-05	0.355315	2.42E-15	0.317998	1.96E-12
0.21998	0.342017	2.92E-14	0.312895	4.58E-12	0.19389775	2.45E-05	0.22045	1.51E-06
0.06742	0.676357	9.82E-64	0.359748	1.03E-15	0.14741181	0.0014	0.287788	2.34E-10
0.18738	0.397112	4.32E-19	0.222641	1.18E-06	0.16046478	0.0005	0.250895	3.90E-08
0.02426	0.828268	#####	0.440116	1.52E-23	0.09103102	0.0493	-0.00937	0.84001
0.06275	0.379474	1.92E-17	0.568994	2.04E-41	0.25643058	1.90E-08	-0.02724	0.55703
0.00252	0.522497	4.51E-34	0.310645	6.62E-12	-0.0502875	0.27814	-0.03778	0.41535
0.06086	0.836459	#####	0.378692	2.26E-17	0.23524146	2.71E-07	0.396574	4.87E-19
0.00089	0.795497	#####	0.40172	1.54E-19	0.26533621	5.77E-09	0.378921	2.16E-17
0.27718	0.683864	1.17E-65	0.22234	1.22E-06	0.19298589	2.68E-05	0.410359	2.14E-20
0.0007	0.356641	1.88E-15	0.087351	0.05927	0.14555183	0.00161	0.096787	0.03654
1.74E-05	0.353505	3.42E-15	0.278967	8.54E-10	-0.0620238	0.18088	-0.17951	9.60E-05
0.57808	0.405323	6.82E-20	0.384742	6.33E-18	0.33032026	2.38E-13	0.07899	0.08818
0.24238	0.385465	5.43E-18	0.272588	2.12E-09	0.09816441	0.03394	0.146046	0.00155
0.00828	0.463942	2.66E-26	0.328061	3.52E-13	-0.2399821	1.53E-07	-0.23171	4.13E-07
0.57007	0.435458	4.95E-23	0.238278	1.88E-07	-0.0006732	0.98842	0.050771	0.27354
1.90E-05	0.87287	#####	0.493032	5.64E-30	0.07938856	0.08658	0.088813	0.05512
2.61E-05	0.907396	#####	0.48547	5.50E-29	0.06052793	0.19165	0.06831	0.14049
0.20402	0.777936	6.89E-96	0.411097	1.81E-20	-0.0345223	0.45672	-0.18384	6.43E-05
8.12E-07	0.557242	1.89E-39	0.536576	3.55E-36	0.09551993	0.03908	-0.00738	0.87358
0.32846	0.611351	3.34E-49	0.283718	4.28E-10	0.35084896	5.66E-15	0.559197	9.01E-40
0.0007	0.623147	1.38E-51	0.469675	5.34E-27	-0.1124677	0.01503	-0.31857	1.78E-12
0.13023	-0.32353	7.69E-13	-0.29215	1.22E-10	0.09724345	0.03566	0.184831	5.86E-05
0.56584	0.639602	4.36E-55	0.407704	3.96E-20	0.48907762	1.87E-29	0.462069	4.46E-26
0.00321	0.880288	#####	0.543214	3.34E-37	-0.0275549	0.55252	-0.08595	0.06348
0.14582	0.867259	#####	0.389765	2.16E-18	0.10183605	0.02777	0.186143	5.18E-05
0.00295	0.433024	9.13E-23	0.326128	4.93E-13	0.00590469	0.89873	0.101944	0.0276
0.011	0.572583	4.94E-42	0.284449	3.84E-10	-0.2859297	3.09E-10	-0.28038	6.96E-10
0.07023	0.75647	8.72E-88	0.426373	4.73E-22	0.37313169	7.11E-17	0.47325	1.94E-27
0.48306	0.724536	3.54E-77	0.472746	2.24E-27	0.35437682	2.90E-15	0.43235	1.08E-22
0.03246	0.667486	1.56E-61	0.284828	3.63E-10	0.24914315	4.87E-08	0.445849	3.45E-24
0.05022	0.643718	5.37E-56	0.47625	8.19E-28	0.30413016	1.89E-11	0.306727	1.25E-11
0.99978	0.776464	2.65E-95	0.383211	8.76E-18	0.24805521	5.60E-08	0.393675	9.21E-19
0.00045	0.920209	#####	0.530782	2.68E-35	0.23784602	1.98E-07	0.315175	3.14E-12

0.10613	0.90397	#####	0.506616	8.16E-32	0.26261483	8.34E-09	0.335823	8.96E-14
0.0038	0.585549	2.53E-44	0.414667	7.84E-21	0.27924333	8.21E-10	0.329239	2.87E-13
0.07582	0.664358	8.92E-61	0.688095	9.11E-67	0.20822936	5.69E-06	0.022781	0.6234
0.1293	0.642557	9.73E-56	0.540758	8.05E-37	0.15243569	0.00095	0.25129	3.70E-08
0.52037	0.547314	7.54E-38	0.464229	2.45E-26	0.05719316	0.21733	-0.08097	0.08047
0.02741	0.59844	1.05E-46	0.425295	6.15E-22	0.25808287	1.53E-08	0.089992	0.05196
0.42373	0.498927	9.19E-31	0.2415	1.27E-07	-0.2357922	2.54E-07	-0.22701	7.14E-07
0.14331	0.756554	8.14E-88	0.46702	1.13E-26	-0.0340811	0.4625	-0.2121	3.77E-06
0.96855	-0.32599	5.05E-13	-0.14814	0.00133	-0.0791531	0.08752	-0.11907	0.01001
3.92E-06	0.791153	#####	0.431797	1.24E-22	0.06529339	0.15892	-0.01852	0.68981
0.45289	0.494105	4.06E-30	0.343472	2.24E-14	-0.0952115	0.03972	-0.16695	0.00029
0.14287	0.560295	5.93E-40	0.26137	9.86E-09	0.20482188	8.13E-06	0.393416	9.75E-19
0.00046	0.628411	1.10E-52	0.446773	2.71E-24	0.05790909	0.21162	0.014728	0.75092
0.00504	0.378566	2.32E-17	0.285253	3.41E-10	-0.03732	0.42104	-0.15111	0.00105
0.01711	0.462509	3.95E-26	0.283336	4.53E-10	0.06554218	0.15733	0.000305	0.99476
0.61599	0.740511	2.74E-82	0.458942	1.05E-25	0.37393736	6.03E-17	0.50013	6.32E-31
0.00279	-0.32079	1.23E-12	-0.18553	5.49E-05	0.06620017	0.1532	0.095545	0.03902
9.19E-06	0.523741	2.96E-34	0.612411	2.06E-49	0.02050957	0.65844	-0.02608	0.57405
0.02348	0.486272	4.33E-29	0.180069	9.12E-05	-0.0190165	0.68189	-0.0288	0.5347
0.83548	0.639978	3.60E-55	0.337467	6.67E-14	0.24779934	5.78E-08	0.420363	2.03E-21
0.00013	0.699081	9.70E-70	0.223094	1.12E-06	0.00694748	0.88097	0.178248	0.00011
0.29776	0.520575	8.58E-34	0.425795	5.44E-22	0.11718575	0.01127	0.143651	0.00186
0.3237	0.569189	1.89E-41	0.330415	2.34E-13	0.31209497	5.22E-12	0.246948	6.44E-08
0.02472	0.328893	3.05E-13	0.276888	1.15E-09	0.14676174	0.00147	0.061764	0.18272
0.01538	-0.33275	1.55E-13	-0.25497	2.30E-08	-0.0550493	0.23509	0.04795	0.30113
0.01966	0.476134	8.47E-28	0.4144	8.35E-21	0.06747142	0.14544	0.088595	0.05572
0.21336	0.795999	#####	0.387476	3.53E-18	0.27404094	1.72E-09	0.423159	1.03E-21
1.69E-06	0.432028	1.17E-22	0.397214	4.22E-19	0.24043116	1.45E-07	0.168514	0.00025
0.82305	0.542271	4.68E-37	0.401318	1.69E-19	0.20345248	9.37E-06	0.139782	0.00247
0.47387	0.509692	3.04E-32	0.305528	1.51E-11	0.453145	5.02E-25	0.581277	1.48E-43
0.38197	0.304101	1.90E-11	0.041124	0.37525	0.24893732	5.00E-08	0.246762	6.59E-08
0.849	0.412236	1.39E-20	0.293977	9.20E-11	0.34321617	2.35E-14	0.302115	2.60E-11
0.00137	0.588013	9.03E-45	0.070745	0.12686	-0.1061817	0.02174	0.027973	0.54651
0.05188	0.647465	7.76E-57	0.122577	0.00801	0.0100337	0.82879	0.233617	3.29E-07
0.82879	0.387125	3.81E-18	0.290533	1.55E-10	-0.0821505	0.07614	-0.04764	0.30426
0.03394	0.676811	7.54E-64	0.429184	2.37E-22	0.02028325	0.66197	0.075199	0.10459
0.01444	0.913199	#####	0.530731	2.72E-35	0.15575656	0.00073	0.202996	9.82E-06
0.04198	0.904699	#####	0.578331	4.91E-43	0.1261014	0.00636	0.078088	0.09188
0.02208	0.893836	#####	0.561259	4.10E-40	0.10974129	0.01768	0.065927	0.15491
1.15E-08	0.676263	1.04E-63	0.363028	5.40E-16	-0.0466586	0.31434	-0.07797	0.09236
0.6768	0.52246	4.56E-34	0.169125	0.00024	0.17244684	0.00018	0.288292	2.17E-10
0.01178	0.823772	#####	0.534236	8.06E-36	0.21751927	2.09E-06	0.095148	0.03985
0.25418	0.576019	1.25E-42	0.578822	4.02E-43	0.06947265	0.13385	-0.00378	0.93502
0.63668	0.68455	7.77E-66	0.563665	1.63E-40	0.24313356	1.04E-07	0.344299	1.92E-14
0.0197	0.505432	1.19E-31	0.220339	1.52E-06	-0.0139645	0.76343	-0.09228	0.04624

0.53638	-0.41734	4.17E-21	-0.05843	0.20757	0.02479828	0.59297	0.124329	0.00714
0.00658	-0.35447	2.85E-15	0.040763	0.37945	0.07079774	0.12657	-0.11174	0.0157
0.50407	0.654417	1.99E-58	0.577123	8.01E-43	0.11157133	0.01586	0.113083	0.01448
0.00031	0.803833	#####	0.439954	1.58E-23	-0.0249853	0.59018	-0.14982	0.00117
0.25702	0.860799	#####	0.491792	8.23E-30	0.08970975	0.0527	0.085348	0.06536
0.00169	0.85588	#####	0.409528	2.60E-20	-0.0710311	0.12532	-0.08875	0.05531
0.15788	0.854747	#####	0.558999	9.71E-40	0.13780476	0.00284	0.020654	0.65618
0.41382	0.84332	#####	0.537222	2.82E-36	0.13234255	0.00417	0.107355	0.02032
0.07753	0.857781	#####	0.484914	6.49E-29	0.1660664	0.00031	0.245439	7.78E-08
0.02982	0.853414	#####	0.455829	2.44E-25	0.11223967	0.01524	0.183246	6.80E-05
0.01054	0.817212	#####	0.377784	2.73E-17	-0.0721591	0.11942	-0.17261	0.00018
0.13933	0.762732	4.64E-90	0.470854	3.83E-27	0.20811262	5.76E-06	0.084401	0.06841
0.00101	0.897133	#####	0.629779	5.68E-53	0.06862279	0.13868	-0.00032	0.99443
0.06323	0.462478	3.98E-26	0.220066	1.57E-06	0.16413212	0.00037	0.216426	2.35E-06
0.00473	0.909544	#####	0.584312	4.23E-44	0.26922588	3.38E-09	0.183021	6.94E-05
5.21E-05	0.315321	3.07E-12	0.134377	0.00362	0.15133412	0.00104	0.041388	0.37219
0.01834	0.846214	#####	0.380489	1.55E-17	-0.0520848	0.26131	0.072553	0.11741
7.88E-05	0.49031	1.29E-29	0.266117	5.19E-09	0.14141411	0.00219	-0.00406	0.93024
0.16217	0.74669	2.28E-84	0.454481	3.51E-25	0.33056097	2.28E-13	0.418663	3.04E-21
0.02242	0.493616	4.72E-30	0.285896	3.10E-10	-0.1519628	0.00099	-0.23032	4.86E-07
0.00018	0.370119	1.31E-16	0.173057	0.00017	-0.0864793	0.06186	-0.14508	0.00167
0.17482	0.86594	#####	0.477023	6.55E-28	-0.0103916	0.82278	-0.01482	0.74936
6.29E-10	0.348601	8.64E-15	0.283153	4.65E-10	0.22406239	1.00E-06	0.132855	0.00403
0.0503	0.681975	3.62E-65	0.468251	7.98E-27	0.08045842	0.08241	-0.13677	0.00306
0.0077	0.430678	1.64E-22	0.256424	1.90E-08	0.18984512	3.64E-05	0.112119	0.01535
0.00032	0.890892	#####	0.448837	1.57E-24	-0.0442873	0.3396	-0.01926	0.67803
0.07329	0.838537	#####	0.341559	3.18E-14	0.16491086	0.00035	0.330786	2.19E-13
0.25112	0.872325	#####	0.404545	8.14E-20	0.21747262	2.10E-06	0.327076	4.18E-13
0.70517	0.731417	2.47E-79	0.410413	2.12E-20	-0.0325742	0.48253	-0.0296	0.52336
0.00604	0.81871	#####	0.399859	2.34E-19	0.26198547	9.08E-09	0.392836	1.11E-18
0.3792	0.699112	9.51E-70	0.309918	7.45E-12	0.1279912	0.00561	0.281087	6.28E-10
0.0204	0.781376	2.85E-97	0.351925	4.62E-15	0.17155739	0.0002	0.30608	1.38E-11
0.06646	0.800061	#####	0.515701	4.31E-33	0.07349596	0.11271	0.115215	0.01272
0.17761	0.844222	#####	0.577759	6.19E-43	0.27462269	1.59E-09	0.208594	5.47E-06
0.6289	0.530608	2.84E-35	0.315764	2.85E-12	0.27465972	1.58E-09	0.360603	8.69E-16
0.34972	0.797063	#####	0.351975	4.58E-15	0.0080368	0.86248	0.0831	0.0728
1.87E-05	0.605937	3.85E-48	0.280119	7.23E-10	-0.2386855	1.79E-07	-0.2388	1.77E-07
0.00682	0.854921	#####	0.36907	1.62E-16	0.03240084	0.48487	0.115513	0.01249
0.0485	0.662011	3.26E-60	0.413503	1.03E-20	0.27933613	8.10E-10	0.266269	5.08E-09
0.15644	0.717149	6.19E-75	0.527256	8.99E-35	0.50881917	4.03E-32	0.544213	2.33E-37
0.38208	0.341224	3.38E-14	0.31643	2.55E-12	0.13057958	0.00471	0.096008	0.03808
0.36994	0.372238	8.54E-17	0.303878	1.97E-11	-0.0681161	0.14163	-0.1552	0.00076
1.03E-17	-0.34149	3.22E-14	-0.20181	1.11E-05	-0.0033617	0.94224	0.015082	0.74512
0.04701	0.72217	1.88E-76	0.419257	2.64E-21	0.07117035	0.12458	0.22756	6.70E-07
0.70297	0.756911	6.07E-88	0.622867	1.58E-51	0.29527476	7.54E-11	0.130764	0.00465

0.0046	0.74019	3.50E-82	0.526368	1.22E-34	0.13363071	0.00382	0.058538	0.20669
0.44627	0.871105	#####	0.540602	8.51E-37	0.14754553	0.00139	0.235562	2.61E-07
0.00043	0.747877	8.95E-85	0.373023	7.27E-17	-0.0967983	0.03652	-0.02769	0.5506
0.00448	0.442648	7.91E-24	0.122786	0.0079	-0.0038539	0.9338	0.037077	0.42408
0.0516	0.511574	1.66E-32	0.344884	1.73E-14	0.06735981	0.14611	0.099941	0.03082
0.00095	0.572225	5.70E-42	0.480146	2.64E-28	0.43257762	1.02E-22	0.421975	1.38E-21
0.00899	0.392779	1.12E-18	0.318783	1.72E-12	0.09836155	0.03358	0.031284	0.50005
0.00143	-0.45511	2.96E-25	-0.1555	0.00075	-0.0925699	0.04557	-0.15668	0.00068
0.22396	0.702552	1.05E-70	0.304839	1.69E-11	0.26667237	4.81E-09	0.243908	9.42E-08
0.3741	0.826159	#####	0.494799	3.29E-30	0.28529859	3.39E-10	0.426193	4.94E-22
0.00574	0.878092	#####	0.467526	9.78E-27	0.25597548	2.02E-08	0.345133	1.65E-14
0.40309	0.706224	9.56E-72	0.549423	3.48E-38	0.58032206	2.18E-43	0.636545	2.02E-54
7.92E-05	0.749837	1.89E-85	0.708756	1.80E-72	0.07817329	0.09153	0.028207	0.54316
0.42006	0.790251	#####	0.439003	2.02E-23	-0.100704	0.02956	-0.12738	0.00584
0.00028	0.518774	1.56E-33	0.228597	5.94E-07	0.11087196	0.01653	-0.00571	0.90202
0.37819	0.367249	2.34E-16	0.508804	4.05E-32	-0.0720641	0.11991	-0.18426	6.19E-05
0.98752	0.415316	6.73E-21	0.338594	5.45E-14	0.30440738	1.81E-11	0.170082	0.00022
0.06659	0.465085	1.93E-26	0.51867	1.62E-33	0.23905848	1.71E-07	0.075022	0.10541
0.97334	0.756149	1.14E-87	0.500758	5.19E-31	0.45064538	9.76E-25	0.493058	5.59E-30
0.91217	-0.38199	1.13E-17	-0.10854	0.01897	-0.0042351	0.92727	-0.01839	0.69177
0.99419	0.527148	9.33E-35	0.31802	1.96E-12	-0.1817871	7.79E-05	-0.10817	0.01937
0.06013	0.470668	4.04E-27	0.23715	2.16E-07	0.00414625	0.92879	0.118733	0.01023
0.0413	0.506474	8.54E-32	0.400022	2.26E-19	0.20111154	1.19E-05	0.064708	0.16269
0.83895	0.487967	2.61E-29	0.546058	1.19E-37	0.12390797	0.00734	0.161076	0.00048
0.65394	0.422667	1.16E-21	0.366167	2.90E-16	0.23291194	3.58E-07	0.10278	0.02635
0.06834	0.436372	3.93E-23	0.351257	5.24E-15	-0.0214808	0.64335	0.075207	0.10455
2.73E-05	0.504266	1.72E-31	0.254877	2.33E-08	-0.2824974	5.12E-10	-0.23139	4.29E-07
0.6117	0.711659	2.59E-73	0.485151	6.04E-29	-0.0053275	0.90859	0.027503	0.55328
0.97422	0.530293	3.17E-35	0.556558	2.45E-39	0.13963724	0.00249	-0.02653	0.56739
0.80091	-0.47165	3.05E-27	-0.0145	0.75458	0.38879523	2.66E-18	0.350163	6.44E-15
0.00038	0.774801	1.19E-94	0.493174	5.40E-30	0.10135879	0.02851	0.222478	1.20E-06
0.20107	0.393955	8.67E-19	0.385036	5.95E-18	0.26870114	3.64E-09	0.227972	6.39E-07
0.00027	0.55761	1.64E-39	0.403491	1.03E-19	0.13050968	0.00473	0.083708	0.07072
0.54241	0.675051	2.09E-63	0.66674	2.37E-61	0.37656232	3.52E-17	0.345396	1.57E-14
0.10872	0.550545	2.30E-38	0.485583	5.32E-29	0.28027167	7.07E-10	0.316694	2.44E-12
0.89725	0.386079	4.76E-18	0.391505	1.48E-18	0.387109	3.82E-18	0.466094	1.46E-26
0.05138	0.466289	1.38E-26	0.28782	2.33E-10	0.02887108	0.5337	0.068213	0.14106
0.76111	-0.42773	3.39E-22	-0.09896	0.03251	0.22652236	7.56E-07	0.258661	1.42E-08
2.90E-05	-0.3785	2.36E-17	-0.06548	0.15774	0.09467501	0.04085	0.013555	0.77016
0.00575	-0.35308	3.71E-15	-0.15462	0.0008	0.02971775	0.52177	-0.02112	0.64901
0.78619	0.688481	7.19E-67	0.501821	3.72E-31	0.31249996	4.89E-12	0.421616	1.50E-21
0.02808	0.511527	1.68E-32	0.576338	1.10E-42	0.19795911	1.64E-05	-0.01752	0.70565
0.5028	0.540705	8.20E-37	0.302165	2.58E-11	-0.081594	0.07816	-0.19696	1.81E-05
0.01663	0.759854	5.25E-89	0.38634	4.51E-18	0.05386922	0.2453	0.204163	8.70E-06
0.26579	0.617435	2.03E-50	0.299354	4.01E-11	0.30150612	2.86E-11	0.212985	3.42E-06

0.02561	0.412316	1.36E-20	0.421611	1.50E-21	0.2814426	5.97E-10	0.122097	0.00826
0.52542	0.335817	8.97E-14	0.194655	2.28E-05	0.23248862	3.77E-07	-0.02128	0.64639
0.56201	0.680236	1.01E-64	0.624769	6.37E-52	0.58345167	6.03E-44	0.605953	3.82E-48
0.15796	0.65845	2.28E-59	0.560428	5.64E-40	0.04455891	0.33664	0.130191	0.00483
0.19897	0.768172	4.29E-92	0.406677	5.01E-20	0.22225891	1.23E-06	0.371627	9.66E-17
0.55119	0.540842	7.81E-37	0.200194	1.31E-05	-0.0187188	0.6866	-0.10906	0.01839
0.00062	0.521956	5.40E-34	0.505351	1.22E-31	0.12303331	0.00777	0.059116	0.20224
0.0006	0.889018	#####	0.479432	3.25E-28	0.1879605	4.36E-05	0.322083	9.85E-13
0.0039	0.866636	#####	0.444122	5.40E-24	0.14571738	0.00159	0.241715	1.24E-07
0.12697	0.448207	1.86E-24	0.414917	7.39E-21	0.31214716	5.18E-12	0.296503	6.24E-11
0.00291	0.389523	2.27E-18	0.221712	1.31E-06	0.03168322	0.4946	-0.00128	0.97796
5.57E-08	0.469563	5.52E-27	0.435248	5.22E-23	0.24051953	1.43E-07	0.182201	7.49E-05
0.01572	0.47408	1.53E-27	0.403515	1.03E-19	0.24805092	5.60E-08	0.08419	0.06911
0.39413	0.720934	4.48E-76	0.519197	1.36E-33	0.3380557	6.00E-14	0.400826	1.89E-19
0.25373	-0.38913	2.47E-18	-0.30844	9.46E-12	-0.2236687	1.05E-06	-0.25102	3.84E-08
0.14415	0.509152	3.62E-32	0.610406	5.14E-49	0.46865374	7.13E-27	0.214779	2.82E-06
0.0074	0.790765	#####	0.466673	1.24E-26	0.25774488	1.60E-08	0.386256	4.59E-18
0.00271	0.934842	#####	0.56833	2.65E-41	0.16264389	0.00042	0.225697	8.31E-07
0.26984	0.792601	#####	0.323921	7.20E-13	0.20941639	5.02E-06	0.380953	1.41E-17
0.41227	0.566752	4.91E-41	0.273033	1.99E-09	-0.2794606	7.95E-10	-0.17488	0.00015
0.00015	0.407152	4.49E-20	0.1806	8.69E-05	-0.2279018	6.44E-07	-0.11723	0.01123
0.41806	0.678223	3.31E-64	0.693809	2.69E-68	0.56591548	6.81E-41	0.527842	7.36E-35
0.01871	0.344172	1.97E-14	0.383481	8.28E-18	-0.0176855	0.70306	-0.13971	0.00248
0.3852	0.632964	1.19E-53	0.518377	1.78E-33	0.55583616	3.21E-39	0.452814	5.48E-25
0.9433	0.559131	9.24E-40	0.33442	1.15E-13	0.3078767	1.04E-11	0.335852	8.92E-14
0.07479	0.668008	1.16E-61	0.238375	1.86E-07	0.13353332	0.00384	0.181777	7.79E-05
0.85884	0.68479	6.73E-66	0.234334	3.02E-07	0.03674011	0.4283	0.104597	0.02379
0.03267	0.404573	8.09E-20	0.281383	6.02E-10	0.06396911	0.16756	0.002916	0.94988
0.15681	0.662672	2.27E-60	0.639264	5.17E-55	0.43032543	1.79E-22	0.292943	1.08E-10
0.0039	0.444123	5.40E-24	0.432727	9.83E-23	-0.0863559	0.06223	-0.16866	0.00025
0.99869	0.541769	5.60E-37	0.336118	8.50E-14	0.32497945	6.00E-13	0.43443	6.41E-23
0.06067	0.819661	#####	0.483047	1.13E-28	0.06661106	0.15066	0.154891	0.00078
0.00118	0.807451	#####	0.429018	2.47E-22	-0.0707815	0.12666	-0.02934	0.52714
0.00237	0.475302	1.08E-27	0.511922	1.48E-32	0.07775874	0.09327	0.015957	0.73089
0.43553	0.854233	#####	0.476987	6.62E-28	0.19465286	2.28E-05	0.271721	2.39E-09
0.08498	0.677868	4.07E-64	0.537644	2.43E-36	-0.0979516	0.03433	-0.22165	1.32E-06
0.00031	0.383664	7.96E-18	0.260764	1.07E-08	0.00774682	0.8674	-0.0147	0.75141
0.00048	0.800911	#####	0.518266	1.85E-33	0.01826088	0.69388	-0.11709	0.01133
0.19327	0.824113	#####	0.483421	1.01E-28	0.17102001	0.0002	0.10187	0.02772
0.975	0.692376	6.56E-68	0.235975	2.49E-07	0.2299744	5.06E-07	0.373935	6.04E-17
0.64888	0.517066	2.75E-33	0.283233	4.59E-10	0.29166778	1.31E-10	0.376247	3.75E-17
0.00014	0.771812	1.74E-93	0.521373	6.57E-34	0.42671154	4.35E-22	0.45874	1.11E-25
0.00195	0.464793	2.10E-26	0.248957	4.99E-08	-0.229457	5.38E-07	-0.33899	5.07E-14
0.0015	0.819346	#####	0.441056	1.19E-23	0.20466636	8.26E-06	0.365468	3.33E-16
0.0742	0.491542	8.87E-30	0.316969	2.33E-12	0.11180772	0.01564	0.049874	0.28212

0.15739	0.507519	6.12E-32	0.237735	2.01E-07	0.1038951	0.02475	0.108015	0.01955
1.37E-05	0.632903	1.23E-53	0.625194	5.20E-52	-0.0690035	0.1365	-0.02543	0.58356
0.43694	0.567356	3.88E-41	0.540589	8.55E-37	0.45573563	2.50E-25	0.449713	1.25E-24
0.00576	0.560803	4.89E-40	0.363828	4.61E-16	0.19828563	1.59E-05	0.268438	3.77E-09
0.71432	0.567763	3.31E-41	0.570122	1.31E-41	0.42427435	7.89E-22	0.450087	1.13E-24
0.00081	0.818369	#####	0.422901	1.10E-21	0.07936634	0.08667	0.037336	0.42085
0.81704	-0.11949	0.00975	-0.08564	0.06444	0.00082059	0.98589	-0.10764	0.01998
0.12989	-0.30887	8.83E-12	-0.0652	0.1595	0.10090596	0.02923	0.104086	0.02449
0.47244	0.68118	5.80E-65	0.414067	9.03E-21	0.29022945	1.62E-10	0.461241	5.59E-26
0.0561	0.515984	3.93E-33	0.568074	2.93E-41	0.16257761	0.00042	-0.05002	0.28069
0.00099	0.871673	#####	0.497137	1.60E-30	0.21960361	1.65E-06	0.31798	1.97E-12
0.98971	0.516567	3.24E-33	0.234239	3.06E-07	-0.0950986	0.03995	-0.07416	0.1095
0.42927	0.756187	1.10E-87	0.454734	3.28E-25	0.28070741	6.64E-10	0.41061	2.02E-20
0.08846	0.398033	3.52E-19	0.151877	0.00099	0.00671033	0.88501	0.121238	0.00873
0.00791	0.8477	#####	0.465433	1.76E-26	0.28294324	4.79E-10	0.210708	4.37E-06
0.02782	-0.52455	2.26E-34	-0.28646	2.85E-10	-0.1249874	0.00684	-0.10042	0.03002
0.56191	0.49363	4.70E-30	0.487394	3.10E-29	0.22926539	5.50E-07	0.168119	0.00026
0.20115	0.895065	#####	0.547113	8.11E-38	0.16777987	0.00027	0.216529	2.33E-06
0.00046	0.538799	1.62E-36	0.509187	3.58E-32	0.27591062	1.32E-09	0.282377	5.21E-10
0.8532	0.491177	9.91E-30	0.436773	3.55E-23	0.15760862	0.00063	0.091668	0.04772
0.23414	0.680277	9.89E-65	0.545797	1.31E-37	0.11755031	0.01101	0.19864	1.53E-05
0.88546	0.840595	#####	0.435377	5.05E-23	0.08641366	0.06206	0.091867	0.04724
4.17E-05	0.35596	2.14E-15	0.27573	1.36E-09	0.07246537	0.11785	0.057882	0.21183
0.25932	0.468057	8.43E-27	0.333427	1.37E-13	0.27649844	1.22E-09	0.314003	3.81E-12
0.01427	0.296566	6.18E-11	0.319539	1.52E-12	0.27930086	8.14E-10	0.204547	8.36E-06
0.0001	0.464082	2.55E-26	0.37728	3.03E-17	0.06485393	0.16175	0.103917	0.02472
0.07687	0.622926	1.53E-51	0.316769	2.41E-12	0.23023594	4.91E-07	0.27763	1.03E-09
7.57E-10	0.339222	4.86E-14	0.17841	0.00011	0.09354048	0.04334	0.070615	0.12756
0.96073	0.757199	4.78E-88	0.464785	2.10E-26	-0.0697323	0.1324	-0.06391	0.16796
0.00171	0.478047	4.87E-28	0.42478	6.97E-22	-0.0642608	0.16562	-0.10408	0.0245
0.00388	-0.30584	1.44E-11	0.038669	0.40444	0.37516423	4.69E-17	0.338879	5.17E-14
0.53735	0.879123	#####	0.606137	3.52E-48	0.1803027	8.93E-05	0.106493	0.02135
0.15527	0.696889	3.90E-69	0.378889	2.17E-17	0.11767703	0.01093	0.219703	1.64E-06
0.04617	0.765947	2.96E-91	0.463146	3.31E-26	0.19329036	2.60E-05	0.283369	4.50E-10
0.01149	0.55176	1.47E-38	0.121258	0.00871	-0.2607894	1.07E-08	-0.16451	0.00036
0.00395	0.586834	1.48E-44	0.131337	0.00447	-0.2940255	9.13E-11	-0.18294	7.00E-05
0.00263	0.895513	#####	0.618704	1.12E-50	0.37237933	8.29E-17	0.342603	2.63E-14
0.5541	0.739478	6.02E-82	0.395924	5.62E-19	0.29503745	7.82E-11	0.216721	2.28E-06
0.01622	0.70108	2.70E-70	0.280675	6.67E-10	0.12317107	0.0077	0.337714	6.38E-14
0.00014	0.573365	3.62E-42	0.451231	8.35E-25	0.39980376	2.37E-19	0.398692	3.04E-19
0.02396	0.856386	#####	0.47271	2.26E-27	0.26840516	3.79E-09	0.321474	1.09E-12
0.15861	0.556948	2.11E-39	0.52895	5.03E-35	0.36256782	5.91E-16	0.267112	4.53E-09
0.3961	0.727539	4.13E-78	0.535321	5.51E-36	0.19078484	3.32E-05	0.056233	0.22516
0.2922	0.865113	#####	0.482353	1.38E-28	0.18400759	6.33E-05	0.240922	1.36E-07
0.02052	0.508109	5.06E-32	0.584328	4.20E-44	0.19910978	1.46E-05	-0.06915	0.13569

0.61464	0.490278	1.30E-29	0.304215	1.86E-11	-0.1503217	0.00112	-0.08709	0.06003
0.8529	0.517729	2.21E-33	0.472437	2.44E-27	0.54397472	2.54E-37	0.358325	1.35E-15
0.50702	0.558111	1.36E-39	0.107147	0.02056	-0.1052552	0.02292	0.099012	0.03242
0.01019	0.350087	6.54E-15	0.279259	8.19E-10	0.29954995	3.89E-11	0.325396	5.59E-13
0.71284	0.492709	6.22E-30	0.396977	4.45E-19	0.30767832	1.07E-11	0.14035	0.00237
0.00185	-0.46429	2.41E-26	-0.0367	0.42875	0.23741917	2.09E-07	0.118294	0.01051
0.06146	0.38418	7.14E-18	0.183819	6.45E-05	0.26308959	7.83E-09	0.201297	1.17E-05
0.2023	0.418281	3.33E-21	0.11041	0.01699	-0.0861211	0.06295	-0.03628	0.43416
0.05672	0.736803	4.54E-81	0.495044	3.05E-30	0.22442156	9.61E-07	0.372643	7.86E-17
0.01932	0.791568	#####	0.555555	3.57E-39	0.32704023	4.21E-13	0.461169	5.71E-26
0.21918	0.827704	#####	0.704329	3.30E-71	0.16844974	0.00026	0.030227	0.51465
0.5666	0.611169	3.63E-49	0.319171	1.61E-12	0.31818153	1.90E-12	0.517116	2.71E-33
0.00215	0.463594	2.92E-26	0.510296	2.51E-32	-0.0197645	0.6701	-0.11194	0.01552
0.54997	0.500919	4.94E-31	0.349736	6.98E-15	0.37629944	3.71E-17	0.246599	6.73E-08
0.14072	0.882596	#####	0.619205	8.87E-51	0.42757074	3.53E-22	0.345709	1.48E-14
0.78697	0.442346	8.55E-24	0.279674	7.71E-10	0.39764692	3.84E-19	0.298318	4.71E-11
0.05144	0.383196	8.79E-18	0.296506	6.24E-11	0.08260337	0.07453	0.070583	0.12773
0.12281	0.450383	1.05E-24	0.445925	3.38E-24	0.31317031	4.38E-12	0.199772	1.36E-05
0.42521	-0.40655	5.16E-20	-0.24134	1.29E-07	-0.1541884	0.00083	-0.18877	4.04E-05
0.00017	-0.49131	9.53E-30	-0.24133	1.30E-07	-0.1535267	0.00087	-0.28306	4.71E-10
0.04915	0.635272	3.81E-54	0.518255	1.86E-33	0.06179754	0.18248	0.074404	0.10832
0.01336	0.738298	1.47E-81	0.283441	4.46E-10	0.08951456	0.05322	0.246495	6.81E-08
0.85491	0.535778	4.70E-36	0.437595	2.88E-23	0.51339776	9.16E-33	0.435472	4.93E-23
0.42595	0.345296	1.60E-14	0.35101	5.49E-15	0.10940604	0.01803	0.012165	0.79317
0.06213	0.637637	1.17E-54	0.354618	2.77E-15	-0.0897539	0.05259	0.015186	0.74343
0.00147	0.4403	1.45E-23	0.465222	1.86E-26	0.07244974	0.11793	-0.12879	0.00532
0.01829	0.684244	9.33E-66	0.583939	4.93E-44	0.1442845	0.00177	0.199806	1.36E-05
0.44909	0.608352	1.30E-48	0.019612	0.67249	-0.0695898	0.13319	0.148545	0.00128
7.41E-09	0.649986	2.08E-57	0.383532	8.19E-18	0.02122989	0.64724	0.091435	0.04829
0.00056	0.538931	1.54E-36	0.581077	1.60E-43	0.3894601	2.31E-18	0.322848	8.65E-13
0.07075	0.918831	#####	0.531862	1.84E-35	0.22475888	9.25E-07	0.250356	4.17E-08
0.86077	0.734781	2.06E-80	0.53979	1.14E-36	-0.0067019	0.88515	-0.09778	0.03464
0.23457	0.5976	1.51E-46	0.404619	8.01E-20	0.1783461	0.00011	0.213254	3.32E-06
0.03526	0.760985	2.03E-89	0.499359	8.03E-31	0.43795897	2.63E-23	0.448141	1.89E-24
0.07816	0.419482	2.50E-21	0.303842	1.98E-11	-0.1212921	0.0087	-0.12957	0.00504
3.94E-05	0.452095	6.64E-25	0.287614	2.40E-10	0.12141709	0.00863	0.127115	0.00595
5.99E-07	0.37191	9.12E-17	0.248159	5.52E-08	0.22952153	5.34E-07	0.055459	0.23162
0.00042	0.803468	#####	0.610416	5.11E-49	0.06627271	0.15275	0.076337	0.09943
0.02002	0.669135	6.16E-62	0.49066	1.16E-29	0.38898439	2.55E-18	0.542013	5.14E-37
0.01312	0.496711	1.82E-30	0.491181	9.90E-30	0.30867056	9.12E-12	0.238217	1.90E-07
9.49E-05	0.471484	3.20E-27	0.237559	2.05E-07	0.14130172	0.00221	0.146714	0.00148
6.95E-13	-0.42393	8.57E-22	-0.23412	3.10E-07	0.08512531	0.06607	-0.00547	0.90623
0.02655	0.442997	7.23E-24	0.180558	8.72E-05	0.04172937	0.36825	0.033745	0.46693
0.01114	0.513934	7.69E-33	0.352627	4.04E-15	0.19241549	2.84E-05	0.154478	0.00081
0.08193	0.672266	1.04E-62	0.376697	3.42E-17	0.31786027	2.01E-12	0.462298	4.18E-26

0.00194	0.453282	4.84E-25	0.439678	1.70E-23	0.19949271	1.40E-05	-0.07621	0.09999
0.15666	0.809288	#####	0.614516	7.84E-50	0.45471554	3.29E-25	0.421897	1.40E-21
8.86E-05	0.474363	1.41E-27	0.366025	2.98E-16	0.39389076	8.79E-19	0.285792	3.15E-10
0.05412	0.555638	3.46E-39	0.367227	2.35E-16	0.4738712	1.62E-27	0.445846	3.45E-24
0.36195	0.402953	1.17E-19	0.267467	4.31E-09	0.42852136	2.79E-22	0.292458	1.16E-10
0.00203	0.552108	1.29E-38	0.374487	5.39E-17	0.12403877	0.00728	-0.02533	0.585
0.01658	0.702899	8.35E-71	0.6457	1.94E-56	0.32233988	9.43E-13	0.369516	1.48E-16
0.04181	0.864205	#####	0.456999	1.78E-25	0.20373651	9.10E-06	0.142415	0.00203
0.01138	0.533626	9.98E-36	0.472006	2.76E-27	0.19460425	2.29E-05	0.23536	2.68E-07
0.28768	0.647004	9.86E-57	0.334405	1.15E-13	-0.1040201	0.02458	-0.25796	1.55E-08
0.0034	0.677627	4.69E-64	0.495826	2.40E-30	0.26221712	8.80E-09	0.271505	2.46E-09
0.0066	0.735368	1.33E-80	0.642466	1.02E-55	0.09722885	0.03569	0.059081	0.2025
0.00512	0.324824	6.17E-13	0.068387	0.14005	0.01635492	0.72446	0.131168	0.00452
0.71808	0.485729	5.09E-29	0.262081	8.97E-09	0.12972579	0.00499	0.010168	0.82654
4.33E-05	0.739077	8.16E-82	0.398445	3.21E-19	-0.1137777	0.01389	-0.19656	1.88E-05
0.02251	0.480302	2.52E-28	0.415479	6.47E-21	0.18596577	5.27E-05	0.098504	0.03332
0.03435	0.33994	4.27E-14	0.028864	0.5338	-0.2098098	4.81E-06	-0.08904	0.0545
1.92E-06	0.671847	1.32E-62	0.534617	7.06E-36	0.04595053	0.32175	0.070251	0.12953
0.7749	0.692568	5.82E-68	0.239375	1.65E-07	0.19811871	1.61E-05	0.354594	2.78E-15
0.00016	0.33858	5.46E-14	0.175469	0.00014	-0.0486486	0.29413	-0.03787	0.41419
0.07913	0.389594	2.24E-18	0.313675	4.03E-12	0.30985497	7.52E-12	0.255999	2.01E-08
0.0133	0.881995	#####	0.377862	2.69E-17	0.03268621	0.48103	0.025567	0.58156
8.49E-05	0.47747	5.75E-28	0.453045	5.15E-25	0.01571452	0.73483	-0.11099	0.01641
0.00017	0.631785	2.13E-53	0.538897	1.56E-36	0.16210989	0.00044	0.044348	0.33894
0.00027	0.72911	1.33E-78	0.459475	9.07E-26	0.08231828	0.07554	0.06905	0.13623
0.98927	0.718421	2.57E-75	0.406393	5.34E-20	-0.0699675	0.13109	-0.07574	0.10209
0.0513	0.818232	#####	0.476223	8.25E-28	0.1852208	5.65E-05	0.285661	3.21E-10
0.0892	0.629913	5.32E-53	0.306066	1.39E-11	-0.2342109	3.07E-07	-0.3109	6.35E-12
0.85694	0.641261	1.88E-55	0.45404	3.95E-25	0.08973384	0.05264	0.007414	0.87304
0.00121	0.420661	1.89E-21	0.267362	4.37E-09	0.03907249	0.39955	-0.0492	0.28867
0.00132	0.517111	2.71E-33	0.18217	7.52E-05	-0.1354525	0.00336	0.0209	0.65236
0.10975	0.464967	2.00E-26	0.38971	2.18E-18	0.23858585	1.81E-07	0.258736	1.40E-08
0.6065	0.679645	1.44E-64	0.470302	4.48E-27	0.34572381	1.48E-14	0.499715	7.19E-31
0.00039	0.617697	1.80E-50	0.579555	2.98E-43	0.33050578	2.30E-13	0.368178	1.94E-16
0.00127	0.670488	2.86E-62	0.572326	5.47E-42	0.1194085	0.0098	0.205169	7.84E-06
0.35749	0.26517	5.90E-09	0.344543	1.84E-14	0.52911988	4.75E-35	0.435978	4.34E-23
0.03556	0.427402	3.67E-22	0.55533	3.88E-39	0.40098786	1.82E-19	0.145515	0.00162
4.02E-06	-0.61506	6.10E-50	-0.37658	3.51E-17	-0.1619301	0.00044	-0.18573	5.39E-05
0.62549	0.68607	3.11E-66	0.706027	1.09E-71	0.30599562	1.40E-11	0.278155	9.60E-10
0.78049	0.55181	1.44E-38	0.285072	3.51E-10	0.2906013	1.54E-10	0.23857	1.82E-07
0.01101	0.383072	9.02E-18	0.308412	9.51E-12	-0.159847	0.00053	-0.27805	9.74E-10
1.06E-08	0.46098	6.01E-26	0.441322	1.11E-23	0.24336602	1.01E-07	0.1611	0.00047
0.01271	0.4007	1.94E-19	0.193063	2.66E-05	0.11833164	0.01049	0.130653	0.00468
0.12806	0.720028	8.43E-76	0.584664	3.65E-44	0.62504965	5.57E-52	0.542939	3.68E-37
0.60549	0.423171	1.03E-21	0.04498	0.3321	0.02735315	0.55544	0.223292	1.09E-06



0.09448	0.741725	1.08E-82	0.236006	2.48E-07	0.2050552	7.93E-06	0.164685	0.00035
0.00212	0.545301	1.57E-37	0.648461	4.62E-57	0.35485637	2.64E-15	0.218305	1.91E-06
0.32563	-0.33783	6.25E-14	-0.26662	4.84E-09	0.04194501	0.36578	0.045425	0.32732
0.06008	-0.56505	9.52E-41	-0.45954	8.92E-26	-0.2421527	1.17E-07	-0.24423	9.05E-08
1.23E-06	0.375639	4.25E-17	0.197798	1.67E-05	0.08822705	0.05675	0.15266	0.00093
0.01391	0.611339	3.36E-49	0.576992	8.44E-43	0.35184187	4.69E-15	0.342324	2.76E-14
0.10932	0.71403	5.21E-74	0.284703	3.70E-10	-0.1337303	0.00379	-0.11469	0.01313
0.00154	0.855471	#####	0.481688	1.68E-28	0.27976887	7.61E-10	0.420583	1.92E-21
0.52826	-0.26839	3.80E-09	-0.32072	1.24E-12	0.02769901	0.55045	-0.02325	0.61633
0.19161	0.909374	#####	0.503614	2.12E-31	0.16375047	0.00038	0.249719	4.53E-08
0.06991	0.802379	#####	0.339499	4.62E-14	0.26017547	1.16E-08	0.428296	2.95E-22
0.05853	0.904296	#####	0.500569	5.51E-31	0.25306878	2.94E-08	0.340981	3.53E-14
0.24451	0.8645	#####	0.474716	1.27E-27	0.22182106	1.29E-06	0.351933	4.61E-15
0.01405	0.876822	#####	0.50005	6.48E-31	0.27297488	2.00E-09	0.159425	0.00054
0.61505	0.470915	3.76E-27	0.26759	4.24E-09	0.13536263	0.00338	0.119214	0.00992
0.01936	0.842108	#####	0.385601	5.28E-18	0.2084233	5.57E-06	0.176561	0.00013
0.328	0.722525	1.47E-76	0.325312	5.67E-13	0.24339156	1.00E-07	0.459637	8.68E-26
0.00022	0.752779	1.78E-86	0.474853	1.22E-27	-0.0861918	0.06273	-0.21434	2.95E-06
0.00695	0.892854	#####	0.489009	1.91E-29	0.26289438	8.03E-09	0.30249	2.45E-11
9.68E-05	0.917173	#####	0.540441	9.01E-37	0.0327044	0.48078	-0.02053	0.65808
0.00166	0.923937	#####	0.597063	1.91E-46	0.21299078	3.42E-06	0.199917	1.34E-05
0.65821	0.319933	1.42E-12	0.160772	0.00049	0.18794007	4.37E-05	0.225005	8.99E-07
0.00538	0.878632	#####	0.534317	7.84E-36	0.15900733	0.00056	0.028654	0.53679
0.00011	0.41067	1.99E-20	0.235038	2.78E-07	0.02798103	0.54639	-0.04037	0.38406
0.00157	0.400254	2.14E-19	0.277395	1.07E-09	0.18485507	5.85E-05	0.260405	1.12E-08
9.67E-06	0.390907	1.69E-18	0.210527	4.46E-06	0.0415853	0.36991	0.037445	0.41948
0.33454	0.647754	6.68E-57	0.493315	5.17E-30	0.1280533	0.00558	0.127633	0.00574
0.04185	0.854974	#####	0.422717	1.15E-21	0.06681818	0.14939	0.104627	0.02375
0.60807	0.679512	1.55E-64	0.130973	0.00458	0.11145565	0.01597	0.228695	5.88E-07
0.0126	0.830665	#####	0.615748	4.44E-50	0.20206595	1.08E-05	0.210744	4.35E-06
0.00876	0.447298	2.36E-24	0.292726	1.11E-10	-0.0077701	0.867	-0.16642	0.0003
0.03313	0.352418	4.21E-15	0.418224	3.38E-21	-0.0227922	0.62322	-0.18846	4.16E-05
0.08278	0.62062	4.56E-51	0.450058	1.14E-24	0.40872802	3.13E-20	0.528941	5.05E-35
0.00095	0.363032	5.40E-16	0.389736	2.17E-18	0.30628271	1.34E-11	0.305577	1.50E-11
0.6535	0.492468	6.70E-30	0.374799	5.06E-17	0.12343734	0.00757	0.14672	0.00148
0.0074	0.464329	2.39E-26	0.318234	1.89E-12	0.01765791	0.7035	-0.10833	0.0192
0.47995	0.481919	1.57E-28	0.374048	5.90E-17	0.32779092	3.69E-13	0.156051	0.00071
0.20642	0.706769	6.68E-72	0.507421	6.31E-32	0.24835412	5.39E-08	0.063945	0.16772
0.37381	0.333358	1.39E-13	0.251031	3.83E-08	0.37960664	1.87E-17	0.222014	1.26E-06
0.13936	0.344691	1.79E-14	0.145001	0.00168	0.1497812	0.00117	0.25517	2.24E-08
0.33006	0.882188	#####	0.563901	1.49E-40	0.32729489	4.03E-13	0.317748	2.05E-12
0.62362	0.718406	2.60E-75	0.702853	8.60E-71	0.42628203	4.83E-22	0.241563	1.26E-07
0.00501	0.430118	1.88E-22	0.321203	1.14E-12	0.05574594	0.22921	0.047675	0.30391
0.22028	0.504847	1.43E-31	0.330413	2.34E-13	0.29523249	7.59E-11	0.330077	2.48E-13
0.00079	0.756219	1.07E-87	0.509891	2.86E-32	-0.0086873	0.85148	0.079961	0.08433

0.02127	0.426623	4.45E-22	0.224627	9.39E-07	0.17232339	0.00018	0.27714	1.11E-09
0.01506	0.344528	1.84E-14	0.293505	9.88E-11	0.2456661	7.56E-08	0.216653	2.29E-06
0.11834	0.305864	1.43E-11	0.418258	3.35E-21	0.2418786	1.21E-07	0.12764	0.00574
0.28351	-0.48148	1.79E-28	-0.39896	2.86E-19	-0.1669342	0.00029	-0.3348	1.08E-13
5.97E-07	0.566213	6.06E-41	0.354651	2.75E-15	0.24197537	1.20E-07	0.337507	6.63E-14
0.048	0.607972	1.54E-48	0.43663	3.68E-23	0.32866993	3.17E-13	0.346298	1.33E-14
0.02157	0.542684	4.04E-37	0.552265	1.22E-38	-0.0827145	0.07414	-0.24953	4.64E-08
0.00044	0.623483	1.18E-51	0.438901	2.07E-23	-0.2178819	2.00E-06	-0.34655	1.27E-14
0.22695	0.488187	2.44E-29	0.217647	2.06E-06	-0.2703915	2.88E-09	-0.16624	0.00031
0.01558	0.281369	6.03E-10	0.333906	1.26E-13	0.40186594	1.49E-19	0.219568	1.66E-06
0.07392	-0.3296	2.69E-13	-0.12108	0.00881	0.06094858	0.18858	-0.02303	0.61963
0.82663	-0.45098	8.92E-25	-0.28767	2.39E-10	-0.1627838	0.00041	-0.19929	1.43E-05
0.00294	0.874683	#####	0.647486	7.67E-57	0.2177626	2.03E-06	0.29382	9.42E-11
8.54E-06	0.433871	7.38E-23	0.370132	1.31E-16	-0.0038124	0.93451	-0.17711	0.00012
0.05682	0.463331	3.14E-26	0.425638	5.66E-22	0.13322007	0.00393	0.091508	0.04811
0.00848	0.553374	8.06E-39	0.337218	6.98E-14	-0.1545369	0.00081	-0.19402	2.43E-05
0.25235	0.339972	4.24E-14	0.131495	0.00442	0.1321115	0.00424	0.021151	0.64846
0.00037	0.475655	9.72E-28	0.221138	1.39E-06	-0.1423086	0.00205	-0.20922	5.12E-06
0.17574	0.357241	1.67E-15	0.180684	8.62E-05	0.09554167	0.03903	0.114197	0.01354
0.22199	0.688521	7.02E-67	0.603089	1.36E-47	0.32794995	3.59E-13	0.212571	3.58E-06
0.04801	0.479396	3.29E-28	0.268965	3.51E-09	0.12248726	0.00805	0.030185	0.51523
0.01922	0.775817	4.76E-95	0.373912	6.06E-17	0.22522918	8.76E-07	0.382383	1.04E-17
0.05821	0.925999	#####	0.596143	2.84E-46	0.28303541	4.73E-10	0.316536	2.51E-12
0.01171	0.810036	#####	0.726692	7.59E-78	0.46986956	5.06E-27	0.310014	7.33E-12
0.08838	0.761198	1.70E-89	0.706329	8.92E-72	0.40518014	7.05E-20	0.277132	1.11E-09
0.09411	0.880145	#####	0.633537	9.00E-54	0.37361996	6.44E-17	0.340108	4.14E-14
0.09263	0.542913	3.72E-37	0.47217	2.64E-27	0.33269005	1.56E-13	0.07315	0.11441
0.08569	0.83636	#####	0.65372	2.89E-58	0.32182323	1.03E-12	0.317286	2.21E-12
0.45448	0.687021	1.75E-66	0.611519	3.10E-49	0.21007973	4.67E-06	0.015588	0.7369
0.16884	0.780391	7.14E-97	0.401258	1.71E-19	0.29335687	1.01E-10	0.429888	1.99E-22
0.00097	0.557753	1.56E-39	0.28705	2.61E-10	0.12854356	0.0054	0.256004	2.01E-08
0.85839	0.596302	2.65E-46	0.484519	7.29E-29	0.47946388	3.22E-28	0.471896	2.85E-27
0.05989	0.439477	1.79E-23	0.327825	3.67E-13	0.31949751	1.53E-12	0.243834	9.51E-08
0.00014	0.510924	2.05E-32	0.451341	8.11E-25	0.04055612	0.38188	-0.0558	0.22874
0.00941	0.920665	#####	0.519471	1.24E-33	0.18121777	8.21E-05	0.215419	2.63E-06
0.04756	0.453017	5.19E-25	0.245319	7.90E-08	0.02177451	0.63882	0.070219	0.12971
0.07943	0.446872	2.64E-24	0.264024	6.90E-09	0.01674498	0.71816	-0.09702	0.03608
0.3047	0.364183	4.30E-16	0.122756	0.00791	-0.1332976	0.0039	-0.05714	0.21778
3.74E-06	0.54001	1.05E-36	0.260751	1.07E-08	0.21779983	2.02E-06	0.240624	1.41E-07
0.00132	0.290877	1.47E-10	0.420321	2.05E-21	0.54899479	4.07E-38	0.441526	1.06E-23
0.16591	-0.3843	6.96E-18	-0.24054	1.43E-07	0.0653833	0.15834	0.084105	0.06939
0.87038	0.770794	4.29E-93	0.382521	1.01E-17	0.13070193	0.00467	0.196893	1.82E-05
0.01502	0.37375	6.27E-17	0.153568	0.00087	0.10447949	0.02395	0.134893	0.00349
5.94E-05	0.821109	#####	0.541212	6.84E-37	0.09271971	0.04522	0.134497	0.00359
0.27772	0.853711	#####	0.434613	6.13E-23	0.21918691	1.73E-06	0.222969	1.13E-06

0.16813	0.508043	5.17E-32	0.258903	1.37E-08	0.18875488	4.04E-05	0.197466	1.72E-05
0.43116	0.542585	4.18E-37	0.160043	0.00052	0.22411519	9.95E-07	0.442484	8.25E-24
0.07588	0.767852	5.67E-92	0.429382	2.26E-22	-0.1361198	0.0032	-0.08654	0.06168
0.59582	0.470277	4.51E-27	0.397471	3.99E-19	0.41836682	3.27E-21	0.374972	4.88E-17
3.10E-07	0.595498	3.75E-46	0.420842	1.81E-21	-0.0241531	0.60263	-0.12912	0.0052
8.13E-06	0.528525	5.82E-35	0.594741	5.19E-46	-0.1174686	0.01107	-0.24503	8.19E-08
3.39E-05	0.686504	2.39E-66	0.501883	3.65E-31	-0.0313501	0.49915	-0.01357	0.76993
0.00055	0.684835	6.54E-66	0.455197	2.89E-25	0.27195138	2.31E-09	0.400618	1.98E-19
0.00324	0.628419	1.10E-52	0.736379	6.24E-81	0.13051476	0.00473	-0.01085	0.81515
3.81E-06	0.556965	2.10E-39	0.195443	2.11E-05	-0.4464323	2.96E-24	-0.34459	1.82E-14
0.95593	0.440443	1.39E-23	0.277118	1.11E-09	-0.2890722	1.93E-10	-0.28799	2.27E-10
0.06451	0.583064	7.08E-44	0.596804	2.13E-46	0.0882708	0.05663	0.06722	0.14695
0.00026	0.541681	5.79E-37	0.667053	1.99E-61	0.08564816	0.06441	-0.09351	0.04341
0.00026	0.551276	1.76E-38	0.429298	2.30E-22	-0.1745594	0.00015	-0.30931	8.22E-12
0.73619	0.753208	1.25E-86	0.586411	1.77E-44	0.44258232	8.04E-24	0.563954	1.46E-40
0.32616	0.365014	3.65E-16	0.184096	6.28E-05	0.14441661	0.00175	0.095138	0.03987
0.4483	0.57781	6.06E-43	0.566804	4.82E-41	0.26560781	5.56E-09	0.111251	0.01616
0.07051	0.642389	1.06E-55	0.196653	1.87E-05	0.16186413	0.00045	0.36519	3.52E-16
0.31895	0.623405	1.22E-51	0.560094	6.40E-40	0.17331954	0.00017	0.189072	3.92E-05
2.01E-07	0.844722	#####	0.416188	5.48E-21	-0.0344831	0.45723	0.009903	0.83099
0.65715	0.697222	3.16E-69	0.586852	1.47E-44	0.39691998	4.51E-19	0.349694	7.04E-15
0.01277	0.633515	9.10E-54	0.508267	4.81E-32	0.20804377	5.80E-06	0.195845	2.02E-05
0.0077	0.688727	6.19E-67	0.530104	3.38E-35	0.21536798	2.64E-06	0.288608	2.07E-10
2.83E-05	0.633652	8.50E-54	0.397275	4.17E-19	-0.0497434	0.28338	0.081374	0.07897
0.31078	0.549129	3.88E-38	0.179997	9.18E-05	0.11961201	0.00968	0.247841	5.75E-08
0.01029	0.82697	#####	0.453857	4.15E-25	0.0292438	0.52843	-0.09422	0.04182
0.40888	0.380467	1.56E-17	0.326473	4.64E-13	0.13249199	0.00413	0.126873	0.00604
0.70795	0.512389	1.27E-32	0.213484	3.24E-06	0.26469926	6.29E-09	0.2039	8.94E-06
0.24758	0.32723	4.07E-13	0.213511	3.23E-06	0.29707013	5.72E-11	0.176339	0.00013
0.61391	0.486683	3.83E-29	0.162523	0.00042	0.26016388	1.16E-08	0.256197	1.96E-08
0.71935	0.530542	2.91E-35	0.366727	2.59E-16	0.34398135	2.04E-14	0.494952	3.14E-30
0.29478	0.387346	3.63E-18	0.250283	4.21E-08	0.01575534	0.73417	0.006874	0.88221
0.39521	0.662536	2.44E-60	0.294342	8.70E-11	-0.1327467	0.00406	-0.1262	0.00632
0.03498	0.546262	1.11E-37	0.496176	2.15E-30	0.33279218	1.54E-13	0.25447	2.45E-08
0.01478	0.83538	#####	0.663097	1.79E-60	0.46827842	7.92E-27	0.42182	1.43E-21
0.56344	0.707603	3.85E-72	0.576074	1.22E-42	0.59968724	6.09E-47	0.593685	8.16E-46
0.00247	0.911358	#####	0.480793	2.19E-28	0.09067082	0.05021	0.139562	0.00251
0.17152	0.82649	#####	0.55046	2.38E-38	0.43643382	3.87E-23	0.515674	4.35E-33
0.00651	0.933461	#####	0.547152	8.00E-38	0.25984038	1.21E-08	0.245574	7.65E-08
6.32E-05	0.519579	1.20E-33	0.2984	4.65E-11	-0.0350696	0.44961	0.109499	0.01793
0.02086	0.825807	#####	0.582378	9.39E-44	0.30107163	3.06E-11	0.451102	8.64E-25
3.31E-05	0.843412	#####	0.401967	1.46E-19	-0.0452523	0.32917	0.031659	0.49493
0.60338	0.339435	4.68E-14	0.267067	4.55E-09	0.44688495	2.63E-24	0.195755	2.04E-05
0.36346	-0.48353	9.78E-29	-0.20007	1.32E-05	0.11050753	0.01689	0.089085	0.05438
0.83161	0.473401	1.85E-27	0.113093	0.01447	-0.2325162	3.75E-07	-0.08792	0.05763

4.44E-07	0.413142	1.12E-20	0.320699	1.25E-12	-0.2119064	3.84E-06	-0.0354	0.44529
0.02596	0.847859	#####	0.434245	6.72E-23	0.19150371	3.10E-05	0.268842	3.57E-09
0.00553	0.832816	#####	0.503768	2.01E-31	0.1823532	7.39E-05	0.234306	3.03E-07
0.56467	0.580319	2.18E-43	0.423191	1.03E-21	0.26776357	4.14E-09	0.144206	0.00178
0.83161	0.489984	1.42E-29	0.298154	4.83E-11	0.16444831	0.00036	0.200829	1.23E-05
0.0748	-0.43676	3.57E-23	-0.3839	7.57E-18	0.05738136	0.21582	0.036232	0.43472
0.20432	0.38238	1.04E-17	0.149698	0.00118	0.27167373	2.40E-09	0.296557	6.19E-11
0.00291	0.688146	8.83E-67	0.646121	1.56E-56	0.45582564	2.44E-25	0.468332	7.80E-27
0.54246	0.602944	1.45E-47	0.653495	3.26E-58	0.30872633	9.04E-12	0.239434	1.63E-07
3.13E-05	0.308436	9.47E-12	0.198349	1.58E-05	0.14413936	0.00179	0.016478	0.72247
0.05841	0.599159	7.67E-47	0.32391	7.21E-13	-0.1193703	0.00982	-0.11527	0.01268
0.15034	0.402867	1.19E-19	0.496348	2.04E-30	0.15701166	0.00066	0.057856	0.21204
0.04188	0.575287	1.68E-42	0.257404	1.67E-08	-0.0747425	0.10672	-0.20661	6.75E-06
0.00074	0.62506	5.54E-52	0.601213	3.12E-47	0.06029509	0.19337	-0.02716	0.55821
0.01966	-0.52292	3.91E-34	-0.36946	1.50E-16	-0.1895252	3.75E-05	-0.29009	1.66E-10
0.10928	0.317738	2.05E-12	0.17675	0.00012	0.24257401	1.11E-07	0.139756	0.00247
0.02175	-0.47416	1.49E-27	-0.15969	0.00053	0.17677626	0.00012	0.073133	0.1145
0.03713	0.370421	1.23E-16	0.229148	5.57E-07	-0.2476549	5.89E-08	-0.37538	4.49E-17
0.15433	0.322928	8.53E-13	0.078533	0.09004	0.10720147	0.0205	0.145146	0.00166
0.08904	0.553823	6.82E-39	0.20696	6.50E-06	0.07127687	0.12402	0.216166	2.42E-06
0.22144	0.620755	4.28E-51	0.527359	8.68E-35	0.41651566	5.07E-21	0.483067	1.12E-28
0.00883	0.476075	8.61E-28	0.411765	1.55E-20	0.29886787	4.32E-11	0.34567	1.49E-14
0.2229	0.463132	3.32E-26	0.367375	2.28E-16	0.18540717	5.56E-05	-0.04052	0.38232
5.94E-05	0.552729	1.03E-38	0.296156	6.58E-11	0.07967774	0.08544	0.199405	1.42E-05
4.90E-06	0.446016	3.30E-24	0.213725	3.16E-06	0.10149603	0.0283	0.166706	0.0003
7.03E-05	0.450586	9.91E-25	0.095674	0.03876	-0.1633425	0.00039	-0.04569	0.32451
0.34708	0.613846	1.07E-49	0.328528	3.25E-13	-0.1246641	0.00699	-0.11003	0.01738
0.00714	0.86602	#####	0.373349	6.81E-17	-0.007146	0.8776	0.076408	0.09911
0.10409	0.692759	5.17E-68	0.428628	2.72E-22	0.32143064	1.10E-12	0.435091	5.43E-23
0.07606	0.676984	6.82E-64	0.486087	4.58E-29	0.46637761	1.35E-26	0.59691	2.04E-46
0.36635	0.659382	1.37E-59	0.41752	3.99E-21	0.33261725	1.59E-13	0.223543	1.06E-06
0.01617	0.645628	2.01E-56	0.24678	6.57E-08	0.10708995	0.02063	0.249594	4.60E-08
0.89605	0.521771	5.75E-34	0.516095	3.79E-33	0.537014	3.04E-36	0.328302	3.38E-13
0.02795	0.643703	5.41E-56	0.4915	8.99E-30	0.16148241	0.00046	0.071185	0.1245
0.10349	0.57229	5.55E-42	0.501033	4.76E-31	0.33453107	1.13E-13	0.307527	1.10E-11
0.87192	0.589906	4.07E-45	0.580584	1.96E-43	0.37895756	2.14E-17	0.280118	7.23E-10
0.23576	0.896728	#####	0.432531	1.03E-22	0.11227515	0.0152	0.167064	0.00029
0.00744	0.40036	2.09E-19	0.292806	1.10E-10	0.13411268	0.00369	0.057023	0.2187
0.09326	0.386952	3.95E-18	0.375504	4.37E-17	-0.1491792	0.00122	-0.28327	4.57E-10
0.88011	0.605327	5.05E-48	0.613326	1.35E-49	0.36174045	6.96E-16	0.368494	1.82E-16
0.02135	0.874448	#####	0.650107	1.95E-57	0.2335641	3.31E-07	0.205424	7.64E-06
0.02756	0.881266	#####	0.650521	1.57E-57	0.2993321	4.02E-11	0.223196	1.10E-06
0.2967	0.825476	#####	0.346334	1.32E-14	0.05694201	0.21936	0.085083	0.0662
2.96E-06	0.440196	1.49E-23	0.319077	1.64E-12	0.2156653	2.56E-06	0.106938	0.02081
0.0008	0.498244	1.14E-30	0.267644	4.21E-09	0.04991257	0.28175	0.167409	0.00028

0.00462	0.531699	1.95E-35	0.254485	2.45E-08	-0.3078212	1.05E-11	-0.39597	5.57E-19
0.05254	0.681169	5.84E-65	0.465283	1.83E-26	0.25358297	2.75E-08	0.305763	1.46E-11
1.11E-07	0.403429	1.05E-19	0.250445	4.13E-08	-0.320726	1.24E-12	-0.32172	1.05E-12
0.1068	0.631124	2.95E-53	0.473003	2.08E-27	0.25444624	2.46E-08	0.217699	2.04E-06
0.32807	0.841752	#####	0.44892	1.54E-24	0.12067168	0.00905	0.287324	2.51E-10
0.23741	0.442127	9.05E-24	0.170322	0.00022	0.30536765	1.55E-11	0.248303	5.42E-08
0.10291	0.843552	#####	0.470327	4.45E-27	0.05270993	0.25562	0.107735	0.01987
0.0042	-0.35955	1.07E-15	-0.07989	0.08459	0.00441342	0.92422	-0.01117	0.80978
3.68E-05	0.592521	1.34E-45	0.66927	5.71E-62	0.31057919	6.69E-12	0.162472	0.00042
0.6992	0.470098	4.74E-27	0.438912	2.06E-23	0.14593962	0.00157	-0.03781	0.41491
0.44543	0.829319	#####	0.684976	6.01E-66	0.28648372	2.84E-10	0.209214	5.13E-06
0.00024	0.539867	1.11E-36	0.363058	5.37E-16	0.48593854	4.78E-29	0.446463	2.93E-24
0.01813	0.41315	1.12E-20	0.461015	5.95E-26	0.42092672	1.77E-21	0.208172	5.72E-06
0.14203	0.53266	1.40E-35	0.439917	1.60E-23	-0.0972175	0.03571	-0.19446	2.32E-05
0.00067	0.486625	3.90E-29	0.146385	0.00151	-0.4155502	6.37E-21	-0.37317	7.06E-17
0.20317	0.47313	2.00E-27	0.105669	0.02238	0.16558468	0.00033	0.313162	4.38E-12
0.03017	0.385484	5.41E-18	0.195104	2.18E-05	-0.0368284	0.42719	-0.12388	0.00736
0.00073	0.429929	1.97E-22	0.252914	3.00E-08	0.11042134	0.01698	0.155326	0.00076
0.00317	-0.43575	4.60E-23	-0.30569	1.47E-11	-0.0310481	0.50329	-0.12256	0.00801
0.00017	0.513091	1.01E-32	0.513765	8.13E-33	-0.1021439	0.0273	-0.23707	2.18E-07
0.02487	0.73608	7.81E-81	0.445658	3.62E-24	0.15055412	0.0011	0.188007	4.34E-05
0.01689	0.661911	3.44E-60	0.61409	9.54E-50	0.39247007	1.20E-18	0.24185	1.22E-07
0.3664	0.531872	1.84E-35	0.544942	1.79E-37	0.30305229	2.24E-11	0.238062	1.93E-07
0.0011	0.465555	1.70E-26	0.392205	1.27E-18	0.14389809	0.00182	0.042758	0.35655
0.00289	0.713043	1.02E-73	0.229086	5.61E-07	-0.1080564	0.01951	-0.18119	8.23E-05
0.03618	0.471135	3.54E-27	0.141453	0.00218	-0.1364202	0.00314	0.041289	0.37333
0.02323	0.765436	4.60E-91	0.543032	3.56E-37	0.19412469	2.40E-05	-0.01178	0.7995
0.06138	0.289126	1.92E-10	0.237271	2.13E-07	0.08958426	0.05304	-0.09521	0.03971
0.03589	0.305476	1.52E-11	0.274382	1.64E-09	0.17002785	0.00022	0.122323	0.00814
0.50552	-0.28364	4.33E-10	-0.01847	0.69052	0.24411113	9.18E-08	0.102517	0.02674
0.00019	0.480762	2.21E-28	0.274959	1.51E-09	0.17340682	0.00017	0.035968	0.43808
0.01115	0.829192	#####	0.609634	7.29E-49	0.30287339	2.31E-11	0.1332	0.00393
0.00518	0.751194	6.37E-86	0.380917	1.42E-17	0.20735316	6.24E-06	0.322426	9.29E-13
0.73828	0.516457	3.36E-33	0.466697	1.23E-26	0.1381999	0.00276	0.107609	0.02002
0.95761	-0.53403	8.66E-36	-0.43013	1.88E-22	-0.0788633	0.08869	-0.17066	0.00021
3.29E-05	0.749936	1.74E-85	0.554836	4.67E-39	0.01900341	0.6821	-0.10455	0.02386
0.19497	0.549246	3.72E-38	0.417575	3.94E-21	0.47776971	5.27E-28	0.630453	4.09E-53
0.01319	0.652879	4.52E-58	0.503902	1.93E-31	0.08709704	0.06001	-0.06837	0.14014
0.15405	0.602873	1.50E-47	0.547447	7.18E-38	0.30325648	2.17E-11	0.012403	0.78923
0.22631	0.49478	3.31E-30	0.383155	8.87E-18	0.33386496	1.27E-13	0.482295	1.41E-28
0.96749	0.664705	7.36E-61	0.32603	5.01E-13	0.23634474	2.38E-07	0.100529	0.02985
0.14946	0.737046	3.78E-81	0.276347	1.24E-09	-0.0088248	0.84915	0.088545	0.05586
0.00039	0.801105	#####	0.27952	7.88E-10	0.15061222	0.0011	0.284048	4.08E-10
0.43955	0.733894	3.98E-80	0.566739	4.94E-41	0.27696691	1.14E-09	0.351524	4.98E-15
0.00221	0.350849	5.66E-15	0.280189	7.16E-10	0.29398505	9.19E-11	0.195111	2.18E-05

0.42836	0.679864	1.26E-64	0.38351	8.23E-18	0.20570695	7.41E-06	0.255162	2.24E-08
1.92E-06	0.382592	9.99E-18	0.267356	4.38E-09	-0.1641832	0.00037	-0.18584	5.33E-05
0.13555	0.532417	1.52E-35	0.427868	3.28E-22	-0.0802714	0.08313	-0.17069	0.00021
0.0037	0.540675	8.29E-37	0.55866	1.10E-39	0.18546783	5.52E-05	0.026619	0.5661
0.00413	0.614244	8.88E-50	0.394219	8.18E-19	-0.2896398	1.77E-10	-0.33866	5.38E-14
0.6664	0.564189	1.33E-40	0.5958	3.29E-46	0.14054808	0.00233	-0.11333	0.01427
0.26035	0.886872	#####	0.561302	4.04E-40	0.33801477	6.05E-14	0.317668	2.07E-12
0.24696	0.428455	2.84E-22	0.58618	1.94E-44	0.17076319	0.00021	-0.02572	0.57922
0.00063	0.520303	9.39E-34	0.634351	6.02E-54	0.04955124	0.28525	-0.19725	1.76E-05
0.00122	0.338978	5.08E-14	0.234372	3.01E-07	0.3853852	5.52E-18	0.258465	1.45E-08
0.10504	0.717335	5.44E-75	0.658453	2.27E-59	0.32754786	3.85E-13	0.349342	7.52E-15
0.00128	0.681877	3.83E-65	0.432028	1.17E-22	0.22535519	8.64E-07	0.376459	3.59E-17
0.26244	0.475437	1.03E-27	0.470575	4.14E-27	0.31240671	4.96E-12	0.307601	1.08E-11
0.04261	0.48801	2.58E-29	0.490392	1.26E-29	0.27073486	2.74E-09	0.290163	1.64E-10
0.00655	0.850651	#####	0.479297	3.38E-28	0.12458443	0.00703	0.165442	0.00033
0.00035	0.430963	1.53E-22	0.31328	4.30E-12	0.02012704	0.66441	-0.10924	0.01821
0.05351	0.602325	1.91E-47	0.397706	3.79E-19	0.13835401	0.00273	0.147035	0.00144
0.00189	0.534675	6.91E-36	0.619419	8.03E-51	-0.0254541	0.58322	-0.06479	0.16213
0.00907	0.560143	6.29E-40	0.72204	2.06E-76	0.15219005	0.00097	-0.02866	0.5367
0.00057	0.619021	9.67E-51	0.536877	3.19E-36	0.03803193	0.41223	-0.05643	0.22358
0.30935	0.547562	6.89E-38	0.531042	2.45E-35	0.14997905	0.00115	0.187482	4.56E-05
0.54689	0.620877	4.04E-51	0.605131	5.51E-48	0.44072344	1.30E-23	0.34763	1.04E-14
0.33965	0.644393	3.80E-56	0.543416	3.10E-37	0.21615694	2.42E-06	0.267029	4.58E-09
0.83191	0.761481	1.34E-89	0.560713	5.06E-40	0.19893186	1.49E-05	0.277273	1.09E-09
0.00026	0.620748	4.30E-51	0.714597	3.55E-74	0.38023239	1.64E-17	0.233309	3.42E-07
0.05666	0.834611	#####	0.535166	5.82E-36	0.08467597	0.06751	0.004547	0.92194
0.43565	0.530997	2.49E-35	0.429489	2.20E-22	0.40911315	2.86E-20	0.254974	2.30E-08
0.00624	0.488818	2.02E-29	0.530802	2.66E-35	0.39870415	3.03E-19	0.35579	2.21E-15
0.56325	0.460197	7.45E-26	0.370306	1.26E-16	0.04391269	0.3437	-0.03086	0.50583
0.00809	0.775285	7.71E-95	0.347323	1.10E-14	-0.2582375	1.50E-08	-0.29631	6.43E-11
0.4762	0.554254	5.81E-39	0.297531	5.32E-11	0.25965041	1.24E-08	0.424883	6.80E-22
0.00512	0.34506	1.67E-14	0.269597	3.21E-09	0.06933691	0.13461	0.050668	0.27452
1.69E-07	0.370008	1.34E-16	0.281627	5.81E-10	0.31016528	7.15E-12	0.208554	5.50E-06
0.14014	0.540955	7.50E-37	0.644012	4.62E-56	0.05716587	0.21755	-0.00694	0.88109
5.65E-06	0.609755	6.90E-49	0.342138	2.86E-14	0.38257183	1.00E-17	0.510827	2.11E-32
1.95E-05	0.331875	1.81E-13	0.203879	8.96E-06	0.25285863	3.03E-08	0.210785	4.34E-06
4.82E-05	0.500978	4.84E-31	0.455908	2.39E-25	0.3131935	4.36E-12	0.26442	6.54E-09
0.15368	0.585257	2.86E-44	0.452529	5.91E-25	0.04097826	0.37694	-0.13217	0.00422
0.06632	0.920502	#####	0.630999	3.13E-53	0.33044654	2.32E-13	0.351006	5.50E-15
0.03355	0.695805	7.72E-69	0.328161	3.46E-13	0.17061848	0.00021	0.362517	5.97E-16
0.00129	0.446444	2.95E-24	0.567659	3.45E-41	0.36302779	5.40E-16	0.205976	7.21E-06
0.00233	0.856322	#####	0.606474	3.02E-48	0.09498634	0.04019	0.036346	0.43328
0.00462	0.891404	#####	0.50558	1.14E-31	0.20868474	5.42E-06	0.327964	3.58E-13
0.01859	0.448924	1.54E-24	0.008939	0.84723	-0.0968751	0.03637	0.061171	0.18696
0.00078	0.907038	#####	0.577155	7.90E-43	0.26493622	6.09E-09	0.227655	6.63E-07

0.00483	0.65978	1.10E-59	0.62018	5.61E-51	0.18286066	7.05E-05	0.173485	0.00016
0.00438	0.723917	5.49E-77	0.641801	1.43E-55	-0.0301582	0.51561	-0.09313	0.04426
0.01785	-0.39495	6.97E-19	-0.16898	0.00024	0.19653732	1.89E-05	0.078204	0.0914
0.54106	-0.36778	2.10E-16	-0.29252	1.15E-10	-0.0408072	0.37894	-0.03215	0.48831
0.05382	0.623007	1.48E-51	0.226127	7.91E-07	0.07210817	0.11968	0.260903	1.05E-08
0.00367	0.504427	1.64E-31	0.198002	1.63E-05	0.07666733	0.09797	0.300048	3.60E-11
0.03497	0.599818	5.75E-47	0.446466	2.93E-24	0.3691608	1.59E-16	0.433677	7.75E-23
0.28354	-0.56662	5.18E-41	-0.47184	2.90E-27	-0.0779895	0.09229	-0.03233	0.4858
0.17696	0.707788	3.41E-72	0.555156	4.14E-39	0.26177453	9.34E-09	0.139771	0.00247
0.401	0.689348	4.24E-67	0.442216	8.84E-24	0.27805636	9.73E-10	0.221737	1.30E-06
0.70307	0.408937	2.98E-20	0.253885	2.65E-08	0.05479101	0.2373	-0.07067	0.12723
0.03146	0.488262	2.39E-29	0.585699	2.38E-44	0.21332895	3.30E-06	0.037706	0.41625
0.13688	0.499623	7.40E-31	0.417642	3.88E-21	0.20882268	5.34E-06	0.143099	0.00193
6.63E-05	0.62442	7.53E-52	0.33727	6.91E-14	-0.1068669	0.0209	-0.15477	0.00079
0.00544	0.672531	8.93E-63	0.318757	1.73E-12	-0.0723695	0.11834	-0.25981	1.21E-08
0.35594	0.583723	5.39E-44	0.398127	3.45E-19	0.03760323	0.41753	-0.17811	0.00011
0.64317	0.575221	1.72E-42	0.3641	4.37E-16	0.18778384	4.44E-05	0.110196	0.01721
0.17234	0.734485	2.57E-80	0.592205	1.54E-45	0.08636178	0.06221	-0.0626	0.17686
0.00856	0.739102	8.01E-82	0.512774	1.12E-32	0.36074816	8.45E-16	0.497344	1.50E-30
1.29E-05	0.817115	#####	0.474698	1.28E-27	-0.0299183	0.51896	-0.01502	0.74615
0.27142	0.777111	1.47E-95	0.482956	1.16E-28	0.21592796	2.48E-06	0.268081	3.96E-09
0.00109	0.509616	3.12E-32	0.504922	1.40E-31	0.13343355	0.00387	0.069001	0.13651
0.20043	0.641847	1.40E-55	0.469591	5.47E-27	0.48903062	1.90E-29	0.543402	3.12E-37
0.26665	0.631268	2.75E-53	0.319536	1.52E-12	0.06773766	0.14386	0.107206	0.02049
0.02966	0.76686	1.34E-91	0.435554	4.83E-23	-0.0181876	0.69505	-0.05435	0.24111
0.21529	0.64896	3.56E-57	0.557261	1.88E-39	0.23771085	2.02E-07	0.26797	4.02E-09
0.05747	0.7144	4.06E-74	0.483593	9.59E-29	0.00960204	0.83605	-0.19	3.59E-05
0.26598	0.41924	2.65E-21	0.378279	2.46E-17	0.49793586	1.25E-30	0.414779	7.63E-21
9.60E-10	0.393871	8.83E-19	0.310406	6.88E-12	0.08876018	0.05527	0.149881	0.00116
0.03699	0.56083	4.84E-40	0.270423	2.86E-09	0.12923037	0.00516	0.029335	0.52714
0.8384	0.510388	2.43E-32	0.510824	2.11E-32	0.12785569	0.00566	-0.02858	0.53778
0.51552	0.371794	9.34E-17	0.366541	2.69E-16	-0.0120226	0.79554	-0.05048	0.27634
0.04474	0.55339	8.01E-39	0.484153	8.13E-29	-0.1479434	0.00135	-0.11131	0.01611
5.13E-06	0.351989	4.56E-15	0.429748	2.06E-22	0.24354413	9.85E-08	0.200269	1.30E-05
0.25489	0.515109	5.24E-33	0.365434	3.35E-16	0.14349453	0.00188	0.132519	0.00412
5.06E-06	0.463504	3.00E-26	0.402618	1.26E-19	-0.0717437	0.12157	-0.10276	0.02637
0.13956	0.335017	1.04E-13	0.309821	7.57E-12	-0.136287	0.00317	-0.16192	0.00044
8.77E-05	0.577541	6.76E-43	0.323678	7.50E-13	-0.117156	0.01129	-0.07711	0.09604
0.46129	0.620108	5.81E-51	0.297468	5.37E-11	0.30966567	7.76E-12	0.391944	1.34E-18
0.53264	0.68565	4.01E-66	0.703325	6.34E-71	0.44417319	5.33E-24	0.482808	1.21E-28
0.05622	0.827597	#####	0.497797	1.30E-30	0.1138667	0.01381	0.11261	0.0149
0.03236	0.680538	8.48E-65	0.615184	5.76E-50	-0.0182801	0.69357	-0.06816	0.14135
0.4447	0.505064	1.34E-31	0.498377	1.09E-30	0.16778901	0.00027	0.058177	0.20951
0.31143	0.753711	8.34E-87	0.312422	4.95E-12	0.12061496	0.00908	0.289466	1.82E-10
0.0223	0.549909	2.91E-38	0.605225	5.28E-48	0.26529069	5.81E-09	0.11576	0.0123

0.02543	0.617541	1.93E-50	0.343296	2.31E-14	0.03369058	0.46765	-0.08476	0.06724
0.0017	0.71473	3.24E-74	0.285019	3.53E-10	0.14741513	0.0014	0.382422	1.04E-17
0.03428	0.504796	1.46E-31	0.311628	5.64E-12	0.15478784	0.00079	0.166745	0.0003
0.04999	0.423997	8.44E-22	0.410281	2.18E-20	0.09734015	0.03547	-0.0632	0.17271
0.71225	0.487421	3.07E-29	0.083004	0.07313	0.1151685	0.01276	0.24258	1.11E-07
0.77939	0.344568	1.83E-14	0.233265	3.43E-07	0.35671251	1.85E-15	0.300203	3.51E-11
0.2281	0.53615	4.12E-36	0.317551	2.12E-12	0.42929128	2.31E-22	0.637742	1.11E-54
0.58933	0.566511	5.40E-41	0.441159	1.16E-23	0.21238669	3.65E-06	0.183946	6.37E-05
0.08736	0.444592	4.78E-24	0.214545	2.89E-06	0.1414233	0.00219	0.145147	0.00166
0.0814	-0.32927	2.85E-13	-0.09557	0.03898	-0.2012119	1.18E-05	-0.22044	1.51E-06
0.01305	0.456502	2.03E-25	0.382337	1.05E-17	0.15741222	0.00064	0.130736	0.00466
1.36E-07	0.554496	5.30E-39	0.336086	8.55E-14	0.18599022	5.26E-05	0.254119	2.57E-08
0.21528	0.625973	3.58E-52	0.443913	5.70E-24	0.24106706	1.34E-07	0.306558	1.28E-11
0.00017	-0.402	1.45E-19	-0.22964	5.27E-07	0.14298073	0.00195	0.13137	0.00446
0.00697	0.399327	2.64E-19	0.311898	5.39E-12	0.07729711	0.09523	0.002966	0.94903
0.00071	0.877819	#####	0.402116	1.41E-19	0.05636259	0.2241	0.16805	0.00026
0.00539	0.82563	#####	0.461955	4.60E-26	0.19566973	2.06E-05	0.379465	1.92E-17
0.00065	0.716574	9.18E-75	0.345307	1.60E-14	0.12066165	0.00905	0.158084	0.00061
0.00881	0.647739	6.73E-57	0.642118	1.22E-55	0.23242981	3.79E-07	0.067373	0.14603
0.07881	0.290405	1.58E-10	0.271071	2.62E-09	0.24366592	9.71E-08	0.029549	0.52413
0.01258	0.870632	#####	0.41039	2.13E-20	0.0109042	0.8142	0.018285	0.69349
0.0028	0.870191	#####	0.386153	4.69E-18	0.01130936	0.80742	0.036867	0.4267
0.16936	0.759095	9.90E-89	0.442962	7.29E-24	0.27792093	9.92E-10	0.413767	9.68E-21
0.05747	0.667615	1.45E-61	0.487264	3.22E-29	0.18204566	7.60E-05	0.249528	4.64E-08
0.40425	0.406981	4.67E-20	0.101523	0.02825	0.02829643	0.54188	0.171095	0.0002
0.97237	-0.29179	1.28E-10	-0.08908	0.05438	0.01257717	0.78633	-0.04964	0.28434
0.02812	0.386047	4.80E-18	0.080243	0.08323	0.04297744	0.35409	0.180178	9.03E-05
6.46E-07	0.557321	1.83E-39	0.4761	8.55E-28	0.25086731	3.91E-08	0.155895	0.00072
0.00634	0.514094	7.30E-33	0.287766	2.35E-10	-0.1718674	0.00019	-0.06972	0.13248
0.03349	-0.41347	1.04E-20	-0.23833	1.87E-07	-0.0235016	0.61245	-0.13266	0.00408
0.00119	0.521806	5.68E-34	0.293426	1.00E-10	0.04314812	0.35218	-0.07098	0.12561
0.0066	0.393651	9.26E-19	0.474305	1.43E-27	0.43018715	1.85E-22	0.366291	2.83E-16
0.00037	0.326401	4.70E-13	0.264447	6.51E-09	0.17580098	0.00013	0.092797	0.04504
3.01E-14	0.496741	1.81E-30	0.349778	6.93E-15	0.23455297	2.95E-07	0.125752	0.00651
6.88E-07	0.433272	8.58E-23	0.232683	3.68E-07	0.08612553	0.06293	0.050866	0.27264
0.00065	0.301669	2.79E-11	0.119917	0.00949	0.42870142	2.67E-22	0.302169	2.58E-11
0.0679	0.58051	2.02E-43	0.405131	7.13E-20	0.39255942	1.18E-18	0.377481	2.91E-17
0.00677	0.375304	4.56E-17	0.091841	0.0473	-0.0344475	0.4577	-0.0213	0.64608
0.33355	0.652562	5.34E-58	0.529335	4.41E-35	0.44201623	9.31E-24	0.566965	4.52E-41
0.09179	0.706492	8.01E-72	0.34846	8.87E-15	0.36452891	4.01E-16	0.545785	1.32E-37
0.00053	0.499139	8.60E-31	0.451573	7.63E-25	0.30279996	2.33E-11	0.173998	0.00016
0.33791	0.605578	4.51E-48	0.534716	6.82E-36	0.57648067	1.04E-42	0.446007	3.31E-24
0.05372	0.610015	6.13E-49	0.409191	2.81E-20	-0.1674005	0.00028	-0.14783	0.00136
0.08091	0.566099	6.34E-41	0.39899	2.85E-19	-0.1946185	2.29E-05	-0.37294	7.40E-17
0.0007	0.608003	1.52E-48	0.566569	5.28E-41	-0.1367431	0.00307	-0.30253	2.43E-11



0.0012	0.707561	3.96E-72	0.527296	8.87E-35	-0.2047791	8.16E-06	-0.21163	3.96E-06
0.0322	0.515633	4.41E-33	0.43431	6.61E-23	-0.2056623	7.45E-06	-0.31101	6.23E-12
0.00902	-0.45538	2.76E-25	-0.22593	8.09E-07	-0.0470401	0.3104	-0.09075	0.05001
0.08159	0.406484	5.23E-20	0.304299	1.84E-11	0.11759797	0.01098	-0.02385	0.60712
0.00518	0.882779	#####	0.451581	7.61E-25	0.05357863	0.24786	0.050834	0.27295
0.00078	0.715006	2.68E-74	0.262943	7.98E-09	-0.1851669	5.68E-05	-0.26186	9.24E-09
0.10635	0.909929	#####	0.521275	6.79E-34	0.04129956	0.37321	0.072232	0.11905
0.00014	0.793334	#####	0.446088	3.24E-24	0.14854915	0.00128	0.261728	9.40E-09
0.04847	-0.47739	5.88E-28	0.073259	0.11387	0.33442692	1.15E-13	0.16567	0.00032
0.09904	0.47351	1.80E-27	0.389421	2.32E-18	0.23317646	3.47E-07	0.295243	7.58E-11
0.46679	0.609409	8.07E-49	0.503537	2.17E-31	0.15620308	0.00071	-0.09916	0.03217
0.00043	0.774006	2.44E-94	0.334986	1.04E-13	0.28395359	4.13E-10	0.388827	2.64E-18
0.00011	0.625438	4.63E-52	0.643384	6.37E-56	0.25505958	2.27E-08	0.137674	0.00287
0.59228	0.730843	3.75E-79	0.385943	4.90E-18	-0.0520818	0.26133	0.039788	0.39096
2.23E-07	0.440351	1.43E-23	0.494926	3.16E-30	0.28086453	6.49E-10	0.20713	6.39E-06
7.10E-05	0.598933	8.46E-47	0.376098	3.87E-17	0.04048325	0.38274	-0.10903	0.01843
0.82817	0.818496	#####	0.568822	2.19E-41	0.27879988	8.75E-10	0.419224	2.66E-21
0.00623	0.432335	1.08E-22	0.139227	0.00257	-0.1538205	0.00085	-0.20372	9.11E-06
0.00231	0.354607	2.77E-15	0.242249	1.16E-07	0.02316668	0.61752	-0.1006	0.02973
5.57E-05	0.373758	6.26E-17	0.183732	6.50E-05	0.03348302	0.47039	0.08586	0.06375
0.00385	0.815742	#####	0.452233	6.40E-25	-0.0546831	0.23823	-0.16502	0.00034
0.0661	0.646732	1.13E-56	0.370022	1.34E-16	-0.0481708	0.2989	0.039265	0.39724
0.04956	0.628157	1.25E-52	0.319437	1.54E-12	0.15569155	0.00074	0.292362	1.18E-10
0.08694	0.679497	1.57E-64	0.547592	6.81E-38	0.23575664	2.55E-07	0.369017	1.64E-16
0.42233	0.348042	9.59E-15	0.194344	2.35E-05	-0.1321153	0.00424	-0.20682	6.60E-06
0.00117	0.693287	3.73E-68	0.367529	2.21E-16	0.13693852	0.00302	0.271739	2.38E-09
3.47E-05	0.67247	9.25E-63	0.482025	1.52E-28	0.2399621	1.53E-07	0.174554	0.00015
3.16E-07	0.409622	2.54E-20	0.370343	1.25E-16	0.39345555	9.67E-19	0.228989	5.68E-07
0.02239	0.614485	7.95E-50	0.433745	7.62E-23	-0.0477765	0.30288	-0.15833	0.00059
0.63754	0.663824	1.20E-60	0.466598	1.27E-26	0.2955407	7.24E-11	0.358218	1.38E-15
0.74512	0.499955	6.67E-31	0.310316	6.98E-12	0.23076031	4.62E-07	0.274933	1.52E-09
0.85561	0.388223	3.01E-18	0.302543	2.43E-11	0.22812777	6.28E-07	0.216903	2.23E-06
0.00118	0.384225	7.07E-18	0.355044	2.55E-15	0.0374678	0.41921	-0.11601	0.01212
0.46305	0.3696	1.46E-16	0.197273	1.76E-05	0.05508816	0.23476	-0.06207	0.18057
0.05869	0.417505	4.01E-21	0.335942	8.77E-14	0.19145653	3.11E-05	0.068028	0.14214
0.00021	0.493198	5.36E-30	0.345681	1.49E-14	0.32872447	3.14E-13	0.376711	3.41E-17
0.00769	0.605474	4.73E-48	0.496848	1.75E-30	0.29128951	1.38E-10	0.398812	2.96E-19
0.00012	0.565548	7.85E-41	0.456388	2.10E-25	0.01226784	0.79146	-0.04658	0.31514
0.81707	0.340009	4.21E-14	0.425705	5.57E-22	0.31029739	7.00E-12	0.21275	3.51E-06
0.00741	0.849003	#####	0.3976	3.88E-19	0.18668563	4.92E-05	0.181076	8.31E-05
0.61807	0.414054	9.05E-21	0.311131	5.94E-12	0.01485351	0.74886	-0.12295	0.00782
0.20584	0.897877	#####	0.638135	9.12E-55	0.35467687	2.73E-15	0.317481	2.14E-12
0.22363	0.446429	2.96E-24	0.188904	3.98E-05	-0.2569827	1.77E-08	-0.23745	2.08E-07
6.19E-05	0.633392	9.67E-54	0.536626	3.48E-36	-0.1057873	0.02223	-0.02903	0.53149
0.7245	0.587067	1.34E-44	0.406613	5.08E-20	0.0159647	0.73077	0.017735	0.70227

0.00076	0.705346	1.70E-71	0.383591	8.09E-18	-0.0442699	0.33979	-0.21354	3.22E-06
0.80392	0.371255	1.04E-16	0.459805	8.29E-26	0.45577692	2.47E-25	0.244227	9.05E-08
0.45194	0.459312	9.48E-26	0.48249	1.33E-28	0.17103927	0.0002	0.100608	0.02972
0.48857	-0.39737	4.08E-19	-0.17114	0.0002	0.06012084	0.19466	0.024909	0.59132
0.03082	0.29717	5.63E-11	0.155725	0.00073	0.07058102	0.12774	-0.06883	0.13749
0.0133	0.350657	5.87E-15	0.014314	0.75769	-0.2850416	3.52E-10	-0.30617	1.36E-11
0.06235	0.673076	6.53E-63	0.376779	3.36E-17	0.44183083	9.76E-24	0.596429	2.51E-46
0.56448	0.464618	2.20E-26	0.288301	2.17E-10	0.31070276	6.56E-12	0.116063	0.01208
1.50E-07	0.614025	9.83E-50	0.41231	1.36E-20	0.21779042	2.02E-06	0.283019	4.74E-10
0.00041	0.410341	2.15E-20	0.374082	5.86E-17	0.09259575	0.04551	0.012622	0.78558
1.61E-05	0.426712	4.35E-22	0.255136	2.25E-08	-0.0366602	0.42931	0.008511	0.85446
0.27253	0.641279	1.86E-55	0.524941	1.97E-34	0.26652379	4.91E-09	0.254342	2.50E-08
0.01008	0.699857	5.91E-70	0.382283	1.07E-17	0.27609099	1.29E-09	0.440176	1.49E-23
0.11168	0.41642	5.18E-21	0.215364	2.64E-06	0.07929685	0.08695	0.117961	0.01073
0.45155	-0.56796	3.07E-41	-0.3943	8.03E-19	-0.202627	1.02E-05	-0.27776	1.02E-09
0.77098	0.285558	3.26E-10	0.199133	1.46E-05	0.40461216	8.02E-20	0.323909	7.21E-13
0.05522	-0.49486	3.22E-30	-0.33199	1.77E-13	0.23610055	2.45E-07	0.163725	0.00038
0.49035	0.52303	3.77E-34	0.566112	6.31E-41	0.22215457	1.24E-06	0.135741	0.00329
0.01202	0.571217	8.50E-42	0.392409	1.22E-18	-0.1168348	0.01151	-0.34223	2.81E-14
0.29593	0.577162	7.88E-43	0.587347	1.19E-44	-0.0113873	0.80612	-0.04963	0.28452
0.03066	0.758439	1.71E-88	0.523115	3.66E-34	0.22459299	9.43E-07	0.04306	0.35317
0.26465	0.886507	#####	0.454039	3.95E-25	0.20430118	8.58E-06	0.279754	7.62E-10
0.2466	0.443524	6.30E-24	0.338267	5.78E-14	0.33924692	4.84E-14	0.276847	1.16E-09
0.03256	0.731	3.35E-79	0.418091	3.49E-21	0.42363061	9.22E-22	0.574635	2.18E-42
0.01328	-0.36429	4.21E-16	-0.29425	8.81E-11	0.11735972	0.01114	0.038896	0.40169
0.0306	0.482548	1.31E-28	0.427374	3.70E-22	0.34328171	2.32E-14	0.377934	2.65E-17
0.05882	0.460566	6.73E-26	0.20887	5.32E-06	0.05719586	0.21731	0.171475	0.0002
0.3202	-0.30725	1.15E-11	0.242754	1.09E-07	0.30238594	2.49E-11	0.211605	3.97E-06
0.00217	0.921442	#####	0.495345	2.78E-30	0.06860614	0.13878	0.064495	0.16409
0.02682	0.679334	1.72E-64	0.43809	2.54E-23	0.27337564	1.89E-09	0.490454	1.23E-29
0.00013	0.740438	2.90E-82	0.430347	1.78E-22	-0.0224167	0.62896	-0.14549	0.00162
0.09511	0.492157	7.36E-30	0.123396	0.00759	0.06671458	0.15002	0.225114	8.88E-07
0.00458	0.833257	#####	0.509203	3.56E-32	0.18231672	7.41E-05	0.187855	4.41E-05
0.00314	0.813998	#####	0.29387	9.35E-11	-0.0977224	0.03476	-0.17373	0.00016
0.85895	0.427258	3.81E-22	0.551411	1.67E-38	0.43189874	1.21E-22	0.254889	2.32E-08
0.51927	0.357263	1.66E-15	0.097265	0.03562	0.22356872	1.06E-06	0.21586	2.50E-06
0.04112	0.697983	1.95E-69	0.405565	6.46E-20	0.50427012	1.72E-31	0.584602	3.75E-44
0.33766	0.572076	6.05E-42	0.360568	8.75E-16	0.49027032	1.30E-29	0.461345	5.44E-26
4.98E-05	0.896533	#####	0.402769	1.22E-19	0.10714089	0.02057	0.226124	7.91E-07
0.02327	0.465375	1.78E-26	0.33122	2.03E-13	0.31040105	6.89E-12	0.362215	6.34E-16
0.55177	0.490462	1.23E-29	0.2543	2.51E-08	0.3366563	7.72E-14	0.364665	3.91E-16
0.00133	0.421733	1.46E-21	0.315821	2.82E-12	0.48691339	3.58E-29	0.365706	3.18E-16
0.00902	0.742117	8.00E-83	0.755745	1.58E-87	0.38150079	1.26E-17	0.263015	7.90E-09
0.03934	0.658809	1.87E-59	0.524712	2.13E-34	0.17590874	0.00013	0.027146	0.55844
2.17E-15	0.336337	8.18E-14	0.314087	3.76E-12	0.27124554	2.55E-09	0.242304	1.15E-07

0.0067	0.856576	#####	0.646372	1.37E-56	0.1817914	7.78E-05	0.141351	0.0022
0.56917	0.512503	1.23E-32	0.550723	2.16E-38	0.51137987	1.77E-32	0.268605	3.68E-09
0.00243	0.341347	3.30E-14	0.295568	7.21E-11	0.34407073	2.00E-14	0.179992	9.18E-05
0.00228	0.824562	#####	0.302453	2.46E-11	-0.1686786	0.00025	-0.19674	1.85E-05
0.85699	0.420339	2.04E-21	0.468216	8.06E-27	0.53579268	4.67E-36	0.338071	5.99E-14
0.07189	0.67157	1.55E-62	0.475178	1.11E-27	-0.1858916	5.31E-05	-0.32365	7.54E-13
0.70127	0.836269	#####	0.485862	4.89E-29	0.03629199	0.43396	0.024391	0.59906
0.00058	0.369706	1.43E-16	0.529408	4.30E-35	0.12353624	0.00752	-0.07037	0.12888
0.13665	0.429304	2.30E-22	0.336169	8.42E-14	0.10568071	0.02237	0.103341	0.02553
3.78E-16	0.429346	2.28E-22	0.299721	3.78E-11	0.14790153	0.00135	0.0942	0.04188
0.5561	0.423711	9.04E-22	0.254662	2.39E-08	-0.1572617	0.00065	-0.219	1.77E-06
0.62616	0.672058	1.17E-62	0.518134	1.93E-33	0.3982771	3.34E-19	0.291718	1.30E-10
0.27018	0.385645	5.23E-18	0.233059	3.52E-07	0.07926484	0.08708	0.147082	0.00144
3.09E-05	0.718581	2.30E-75	0.709098	1.43E-72	0.36157933	7.18E-16	0.346262	1.34E-14
0.15116	0.427404	3.67E-22	0.263065	7.85E-09	0.09497596	0.04021	0.022498	0.62771
0.12645	0.740505	2.75E-82	0.604529	7.20E-48	0.28463411	3.74E-10	0.267952	4.03E-09
0.57352	0.761921	9.23E-90	0.539585	1.22E-36	0.3504447	6.11E-15	0.348846	8.25E-15
0.94915	0.598236	1.15E-46	0.52049	8.82E-34	0.14013115	0.0024	0.170562	0.00021
0.0414	0.452956	5.28E-25	0.341126	3.44E-14	0.08448379	0.06814	0.055027	0.23528
0.00035	0.762313	6.62E-90	0.511364	1.77E-32	0.05369216	0.24685	0.189596	3.73E-05
0.88421	-0.29397	9.21E-11	-0.19495	2.21E-05	-0.0816319	0.07802	-0.06884	0.13745
1.60E-08	-0.32342	7.85E-13	0.029593	0.52351	0.33462665	1.11E-13	0.31295	4.54E-12
0.28281	0.852447	#####	0.549942	2.88E-38	0.33721065	6.99E-14	0.441121	1.17E-23
0.00139	0.593927	7.36E-46	0.319729	1.47E-12	-0.0824018	0.07524	-0.04088	0.37807
0.06448	0.701932	1.56E-70	0.405943	5.92E-20	0.17881335	0.0001	0.013606	0.76933
0.0286	0.457933	1.38E-25	0.393333	9.93E-19	0.01581981	0.73312	0.111958	0.0155
0.40026	0.730544	4.67E-79	0.512146	1.38E-32	0.27205849	2.28E-09	0.30177	2.74E-11
5.02E-27	-0.45209	6.65E-25	-0.05151	0.26664	0.22698741	7.16E-07	0.092869	0.04487
0.47812	0.706364	8.72E-72	0.375261	4.60E-17	0.46653701	1.29E-26	0.463369	3.11E-26
0.75631	0.48305	1.13E-28	0.463122	3.33E-26	0.27496006	1.51E-09	0.055661	0.22992
0.11473	0.498452	1.06E-30	0.443543	6.28E-24	0.41549301	6.45E-21	0.306822	1.23E-11
0.26339	0.767421	8.25E-92	0.601181	3.16E-47	0.36753277	2.21E-16	0.379946	1.74E-17
0.03226	0.805154	#####	0.325536	5.45E-13	0.19162855	3.06E-05	0.326957	4.27E-13
0.00215	0.602452	1.81E-47	0.302688	2.37E-11	0.08590301	0.06362	-0.09446	0.04131
0.08891	0.599698	6.06E-47	0.365424	3.36E-16	0.18445392	6.08E-05	0.180495	8.77E-05
0.07931	0.410737	1.96E-20	0.228775	5.82E-07	0.1608132	0.00049	0.192342	2.86E-05
4.81E-05	0.6708	2.40E-62	0.588372	7.77E-45	0.16137016	0.00046	0.108806	0.01867
0.01766	0.558657	1.11E-39	0.482165	1.46E-28	0.14048393	0.00234	0.188516	4.14E-05
0.09203	0.577844	5.98E-43	0.59355	8.65E-46	0.23900491	1.72E-07	0.182336	7.40E-05
7.31E-05	0.43297	9.25E-23	0.158224	0.0006	0.02070675	0.65536	-0.03553	0.44363
0.12449	0.570962	9.40E-42	0.598002	1.27E-46	0.19349923	2.55E-05	0.077072	0.0962
0.72502	0.608173	1.41E-48	0.575744	1.40E-42	0.35675503	1.83E-15	0.369422	1.51E-16
3.26E-05	0.484596	7.13E-29	0.319258	1.59E-12	0.21250252	3.61E-06	0.180416	8.83E-05
1.50E-06	0.517256	2.58E-33	0.198666	1.53E-05	0.14654036	0.0015	0.352143	4.43E-15
0.57166	-0.47456	1.33E-27	-0.2734	1.89E-09	0.08762511	0.05847	-0.00538	0.90773

0.90234	0.454142	3.84E-25	0.377557	2.86E-17	0.00203906	0.96495	-0.0859	0.06362
0.10169	0.426546	4.53E-22	0.437348	3.07E-23	0.04037898	0.38397	-0.04262	0.35812
0.85591	-0.39321	1.02E-18	-0.0819	0.07705	0.165036	0.00034	-0.00664	0.88617
0.52715	0.550344	2.48E-38	0.268689	3.64E-09	0.28034907	6.99E-10	0.45307	5.12E-25
0.08884	0.542182	4.83E-37	-0.01471	0.75123	0.060073	0.19502	0.281429	5.98E-10
0.61298	0.74501	8.51E-84	0.460925	6.10E-26	0.2612791	9.98E-09	0.371356	1.02E-16
0.17167	0.437911	2.66E-23	0.489493	1.65E-29	0.23787104	1.98E-07	0.072859	0.11586
0.0033	0.419264	2.64E-21	0.088566	0.0558	0.02986484	0.51971	0.125758	0.0065
0.00297	0.52761	7.96E-35	0.247586	5.94E-08	0.06699594	0.14831	0.108185	0.01936
0.12778	0.566246	5.98E-41	0.341895	2.99E-14	0.36107045	7.93E-16	0.410657	2.00E-20
0.44058	0.305822	1.44E-11	0.361092	7.90E-16	0.22690889	7.23E-07	0.161851	0.00045
0.00242	0.74488	9.42E-84	0.350737	5.78E-15	0.11493048	0.01295	0.259215	1.31E-08
0.10282	0.365068	3.61E-16	0.021562	0.6421	-0.0330774	0.47579	0.060329	0.19312
6.03E-07	-0.35701	1.75E-15	-0.44833	1.80E-24	0.04078554	0.37919	0.033421	0.47122
0.33695	0.575281	1.68E-42	0.629243	7.38E-53	0.23686872	2.23E-07	0.219982	1.59E-06
0.20713	0.477609	5.53E-28	0.162792	0.00041	-0.1269911	0.00599	-0.0694	0.13428
0.6445	0.740668	2.43E-82	0.361959	6.67E-16	0.12176501	0.00844	0.285604	3.24E-10
0.5907	0.873408	#####	0.497522	1.42E-30	0.09469662	0.0408	0.064781	0.16222
0.00425	0.37645	3.60E-17	0.054568	0.23922	-0.0815046	0.07849	-0.00524	0.91002
0.10095	0.196956	1.81E-05	-0.10644	0.02141	0.00752265	0.8712	0.090163	0.05151
0.08412	0.294441	8.57E-11	0.074804	0.10643	0.22108421	1.40E-06	0.15074	0.00109
0.78293	-0.05727	0.2167	0.115633	0.0124	0.23240987	3.80E-07	0.019002	0.68212
0.02522	0.251238	3.73E-08	-0.1763	0.00013	-0.1393729	0.00254	0.017707	0.70271
0.20585	-0.13921	0.00257	-0.39044	1.87E-18	-0.0638159	0.16858	-0.1002	0.03039
0.03399	0.068002	0.1423	-0.09192	0.04711	0.03454554	0.45642	0.076031	0.10079
0.03286	-0.02734	0.5556	-0.43978	1.65E-23	-0.2229483	1.14E-06	-0.19674	1.85E-05
0.0326	-0.02483	0.59247	-0.28756	2.42E-10	0.03262745	0.48182	0.315459	3.00E-12
0.00438	0.01255	0.78677	-0.35324	3.60E-15	-0.1222515	0.00818	-0.03226	0.48681
0.00541	-0.10778	0.01982	-0.30725	1.15E-11	-0.0673604	0.14611	0.145029	0.00168
0.12616	-0.07766	0.09367	-0.35962	1.05E-15	-0.0678806	0.14301	0.0501	0.27994
0.03284	0.145672	0.0016	-0.12866	0.00536	0.13201588	0.00427	0.421101	1.70E-21
0.6099	0.101278	0.02864	-0.23232	3.84E-07	0.02926114	0.52818	0.202999	9.81E-06
0.55213	0.029059	0.53103	-0.11367	0.01398	0.00693931	0.88111	0.151598	0.00102
0.01208	0.247797	5.78E-08	0.654704	1.71E-58	0.25683573	1.80E-08	-0.02081	0.65374
0.52829	-0.01928	0.67771	-0.19575	2.04E-05	0.11758093	0.01099	0.338722	5.32E-14
0.61678	-0.18355	6.61E-05	-0.3996	2.48E-19	-0.1633556	0.00039	-0.2387	1.79E-07
0.75175	0.192478	2.82E-05	0.436319	3.98E-23	0.44403888	5.52E-24	0.185791	5.36E-05
0.40072	-0.07454	0.1077	0.37126	1.04E-16	0.34380974	2.10E-14	0.119981	0.00945
0.4441	0.003211	0.94483	-0.28401	4.10E-10	-0.0205741	0.65743	0.25422	2.54E-08
0.73126	0.16887	0.00025	-0.12041	0.0092	0.17414875	0.00016	0.494136	4.03E-30
0.03788	0.28239	5.20E-10	0.108555	0.01895	0.04278329	0.35627	0.32099	1.19E-12
0.147	-0.1245	0.00707	-0.16764	0.00027	0.1457381	0.00159	0.427469	3.61E-22
0.21896	0.30071	3.24E-11	-0.01076	0.81667	-0.0589526	0.20349	0.13833	0.00274
0.20345	0.108922	0.01855	-0.06343	0.1712	0.19301574	2.68E-05	0.413476	1.04E-20
2.49E-05	0.223628	1.05E-06	-0.04686	0.31222	-0.0079774	0.86349	0.263204	7.71E-09

0.97132	-0.00708	0.87865	-0.04412	0.34137	0.25191309	3.42E-08	0.23258	3.73E-07
0.00663	0.06539	0.1583	-0.16734	0.00028	-0.1684092	0.00026	-0.0367	0.42878
0.16131	0.200861	1.22E-05	-0.01958	0.67304	-0.0365515	0.43068	0.210909	4.28E-06
0.30182	0.201939	1.09E-05	-0.19442	2.33E-05	-0.257872	1.57E-08	-0.09808	0.03409
0.0004	-0.21429	2.97E-06	-0.2532	2.89E-08	0.01622721	0.72652	0.096741	0.03663
0.03095	0.079035	0.088	-0.23137	4.30E-07	0.02407797	0.60375	0.18029	8.94E-05
0.20964	-0.11188	0.01557	-0.34049	3.86E-14	-0.0071187	0.87806	0.218537	1.86E-06
0.87147	-0.13663	0.00309	-0.45064	9.76E-25	-0.2613698	9.86E-09	-0.15717	0.00065
0.63379	0.216685	2.29E-06	-0.13544	0.00336	-0.2185106	1.87E-06	-0.07494	0.10578
0.37994	0.495948	2.31E-30	0.102699	0.02647	0.12488212	0.00689	0.345436	1.56E-14
0.71783	0.252609	3.12E-08	-0.24567	7.55E-08	0.00217911	0.96254	0.198922	1.49E-05
0.8822	0.081927	0.07695	-0.19976	1.37E-05	0.01459796	0.75304	0.27567	1.37E-09
0.00689	0.096023	0.03805	-0.33484	1.07E-13	-0.2217797	1.30E-06	-0.14622	0.00153
0.13313	0.121597	0.00853	-0.2183	1.91E-06	0.04135928	0.37252	0.252216	3.29E-08
0.39397	0.05354	0.2482	-0.30549	1.52E-11	-0.1231299	0.00772	-0.11142	0.016
0.37176	0.074614	0.10732	-0.27899	8.51E-10	0.17449088	0.00015	0.454815	3.21E-25
0.38369	-0.0367	0.42882	-0.20204	1.08E-05	-0.0805882	0.08191	-0.00788	0.8652
0.08072	0.1136	0.01404	-0.20263	1.02E-05	-0.3138382	3.92E-12	-0.1158	0.01227
0.40606	0.338216	5.83E-14	-0.01778	0.70153	0.0742109	0.10924	0.200586	1.26E-05
0.22044	0.099899	0.03089	-0.19824	1.59E-05	0.024333	0.59992	0.298195	4.80E-11
0.4417	-0.02997	0.51827	-0.17964	9.48E-05	0.10803938	0.01953	0.378625	2.29E-17
0.03546	0.486351	4.23E-29	0.074651	0.10715	-0.0434887	0.34839	0.249712	4.53E-08
0.41249	0.16841	0.00026	-0.11043	0.01697	-0.0055854	0.90418	0.184723	5.92E-05
0.19426	-0.15577	0.00073	-0.45143	7.92E-25	-0.092779	0.04508	0.081735	0.07764
0.3615	-0.22195	1.27E-06	-0.47467	1.29E-27	-0.1005692	0.02978	0.100659	0.02963
0.96447	-0.22448	9.55E-07	-0.40956	2.58E-20	-0.0834814	0.07149	0.12969	0.005
0.36301	-0.06558	0.15711	-0.345	1.69E-14	-0.0761236	0.10038	-0.08429	0.06877
8.40E-06	-0.0584	0.2078	-0.28058	6.76E-10	0.05688935	0.21979	0.333332	1.40E-13
0.61316	0.051597	0.2658	0.365154	3.55E-16	0.19995025	1.34E-05	-0.03104	0.50347
0.11543	-0.02075	0.65465	-0.13089	0.00461	0.33060143	2.26E-13	0.541095	7.13E-37
0.13829	0.462886	3.56E-26	0.264599	6.38E-09	0.25307527	2.94E-08	0.45979	8.32E-26
0.45641	0.015203	0.74316	-0.21422	2.99E-06	0.07398945	0.1103	0.27639	1.24E-09
0.50823	0.279613	7.78E-10	0.000557	0.99043	0.30414985	1.88E-11	0.362434	6.07E-16
0.46553	0.181782	7.79E-05	-0.17074	0.00021	0.02278091	0.6234	0.281806	5.66E-10
0.00071	-0.22293	1.14E-06	-0.36989	1.37E-16	-0.250057	4.34E-08	-0.19239	2.84E-05
7.63E-05	0.047099	0.3098	-0.25464	2.40E-08	0.22595353	8.07E-07	0.43105	1.49E-22
0.60378	0.128414	0.00545	-0.14356	0.00187	0.19595581	2.00E-05	0.452366	6.18E-25
0.69343	-0.15045	0.00111	-0.30704	1.19E-11	-0.052524	0.2573	0.072464	0.11786
0.25393	-0.05196	0.26247	-0.18043	8.82E-05	-0.0520785	0.26136	-0.04142	0.37184
4.93E-06	-0.04561	0.3254	0.152284	0.00096	0.20817083	5.72E-06	-0.00608	0.89574
0.61432	0.045879	0.32251	-0.23677	2.26E-07	0.01996341	0.66698	0.074143	0.10956
0.06407	0.11154	0.01589	-0.30261	2.40E-11	-0.0433935	0.34944	-0.01637	0.72415
0.71843	0.397296	4.15E-19	0.243093	1.04E-07	0.24580582	7.43E-08	0.479187	3.49E-28
0.98265	0.085298	0.06552	0.338547	5.49E-14	0.1680308	0.00026	-0.0583	0.20858
0.01529	0.201545	1.14E-05	0.016367	0.72425	0.21842	1.89E-06	0.50063	5.40E-31

0.09936	0.21406	3.05E-06	-0.11293	0.01462	0.00747408	0.87203	0.162162	0.00043
0.11286	0.205101	7.90E-06	-0.19097	3.26E-05	-0.0436147	0.34699	0.100899	0.02924
0.01696	0.152987	0.00091	-0.14747	0.00139	0.09769565	0.03481	0.446425	2.96E-24
0.83442	0.266791	4.73E-09	0.05628	0.22478	0.05006195	0.28031	0.350655	5.87E-15
0.4593	0.228207	6.22E-07	-0.00977	0.83326	0.21715497	2.17E-06	0.496058	2.23E-30
0.32752	0.214336	2.96E-06	-0.10352	0.02528	-0.1397884	0.00246	0.115427	0.01256
0.07579	0.314634	3.44E-12	0.109564	0.01786	0.05036747	0.27738	0.249132	4.88E-08
0.01175	0.398674	3.05E-19	0.154807	0.00079	0.125553	0.00659	0.339315	4.78E-14
0.09087	-0.01038	0.82297	-0.30299	2.26E-11	0.0122834	0.79121	0.283287	4.56E-10
0.09432	0.103858	0.0248	-0.28301	4.74E-10	0.14306208	0.00194	0.335832	8.95E-14
0.06134	0.290024	1.68E-10	0.023609	0.61082	-0.0420787	0.36425	0.252603	3.13E-08
0.18782	0.015653	0.73584	0.069011	0.13646	0.14067175	0.00231	0.35918	1.15E-15
0.60896	0.497101	1.62E-30	0.089547	0.05313	-0.1598549	0.00053	0.079071	0.08785
0.82252	-0.03953	0.39407	-0.37259	7.95E-17	-0.2651891	5.89E-09	-0.10916	0.01829
0.04789	0.003649	0.93732	-0.3444	1.89E-14	-0.1533688	0.00088	0.030215	0.51482
0.95862	-0.03917	0.39832	-0.37435	5.54E-17	-0.2299976	5.05E-07	-0.11246	0.01504
0.48281	-0.107	0.02074	-0.43721	3.18E-23	-0.2940203	9.14E-11	-0.21575	2.53E-06
0.33932	0.074014	0.11019	-0.07095	0.12573	0.25666112	1.84E-08	0.546857	8.91E-38
0.47726	0.098892	0.03263	-0.21803	1.97E-06	-0.2903841	1.59E-10	-0.03956	0.39371
0.0885	0.177783	0.00011	-0.10017	0.03043	-0.0160918	0.72871	0.251797	3.47E-08
0.55133	0.438964	2.04E-23	0.204066	8.79E-06	0.17501205	0.00014	0.416582	4.99E-21
0.87798	0.083509	0.07139	0.048643	0.29419	-0.031862	0.49216	0.01039	0.8228
0.08963	0.362418	6.09E-16	0.228136	6.27E-07	0.4107175	1.97E-20	0.544468	2.12E-37
0.06438	0.244659	8.58E-08	-0.1362	0.00319	-0.1246891	0.00698	0.005305	0.90897
0.91718	0.058202	0.20932	-0.25638	1.91E-08	-0.0737011	0.1117	0.185679	5.41E-05
0.09921	0.33941	4.70E-14	0.148669	0.00127	0.18979028	3.66E-05	0.381957	1.14E-17
0.76739	0.160947	0.00048	-0.13991	0.00244	-0.1092402	0.0182	0.19178	3.02E-05
0.95626	0.301138	3.03E-11	-0.10075	0.02948	0.05756369	0.21436	0.221657	1.31E-06
0.97103	-0.12612	0.00635	-0.23624	2.41E-07	0.14720965	0.00142	0.362758	5.70E-16
0.5045	0.309411	8.09E-12	0.084303	0.06873	-0.0396374	0.39277	0.196455	1.90E-05
0.00027	-0.08065	0.08169	-0.22281	1.15E-06	0.00704549	0.87931	0.125139	0.00678
0.24794	-0.16105	0.00048	-0.22942	5.40E-07	0.07081348	0.12649	0.14388	0.00183
0.15463	0.105103	0.02312	-0.16216	0.00043	0.066397	0.15198	0.115864	0.01223
0.54839	0.29268	1.12E-10	-0.03038	0.51251	0.12599237	0.00641	0.449379	1.36E-24
0.02197	0.046312	0.31796	-0.06956	0.13336	-0.0886661	0.05553	0.095991	0.03811
0.30701	0.147766	0.00136	-0.26112	1.02E-08	-0.1769157	0.00012	-0.03271	0.4807
0.65692	0.157527	0.00063	-0.14022	0.00239	-0.156785	0.00067	0.045342	0.32821
0.66973	0.238717	1.78E-07	-0.04947	0.28605	0.2956932	7.07E-11	0.51622	3.63E-33
0.60521	0.325654	5.35E-13	-0.02449	0.59753	0.17415307	0.00016	0.228966	5.69E-07
0.17981	-0.08619	0.06272	-0.13738	0.00293	-0.0607408	0.19009	-0.02468	0.59479
0.66016	0.062658	0.17646	-0.11808	0.01066	0.07539019	0.10371	0.353947	3.14E-15
0.19512	0.297806	5.10E-11	-0.06446	0.16429	-0.2363356	2.38E-07	-0.01597	0.73062
0.12165	0.000461	0.99207	-0.31654	2.50E-12	-0.0188677	0.68424	0.176014	0.00013
0.15886	0.365845	3.09E-16	-0.01274	0.7837	0.18658172	4.97E-05	0.228582	5.95E-07
0.4589	-0.05409	0.24339	-0.41787	3.68E-21	-0.1764393	0.00013	-0.05314	0.25173

0.41054	0.264439	6.52E-09	0.031788	0.49317	0.03761389	0.41739	0.25811	1.52E-08
0.85452	0.043358	0.34984	-0.18469	5.94E-05	-0.2268229	7.30E-07	-0.07896	0.08832
0.40282	0.462017	4.52E-26	0.029811	0.52045	0.07300111	0.11515	0.358869	1.22E-15
0.04432	0.084747	0.06728	-0.21941	1.69E-06	0.04970085	0.2838	0.177412	0.00012
0.34132	0.114931	0.01295	-0.15586	0.00073	0.25595331	2.02E-08	0.566847	4.74E-41
0.20678	-0.20112	1.19E-05	-0.37045	1.23E-16	-0.0175772	0.70479	0.284163	4.01E-10
0.78174	0.11662	0.01167	-0.1372	0.00297	0.19542036	2.11E-05	0.430103	1.89E-22
0.42579	0.050224	0.27875	-0.19416	2.39E-05	0.0694372	0.13405	0.304353	1.82E-11
0.74045	0.12471	0.00697	-0.0672	0.14709	0.01983459	0.669	0.121168	0.00876
0.03866	0.341183	3.40E-14	-0.00452	0.92242	0.14865851	0.00127	0.211251	4.12E-06
0.28297	-0.21505	2.73E-06	-0.22301	1.13E-06	-0.0343753	0.45864	0.118819	0.01017
0.11089	-0.00664	0.88615	-0.37738	2.97E-17	0.08769143	0.05828	0.338113	5.94E-14
0.33104	-0.18029	8.94E-05	-0.49392	4.30E-30	-0.2086841	5.42E-06	0.013933	0.76395
0.77003	0.140853	0.00228	-0.14339	0.00189	-0.0165482	0.72133	0.165896	0.00032
0.00795	0.240151	1.50E-07	0.044897	0.33298	0.01518097	0.74351	0.166574	0.0003
0.66451	0.313327	4.26E-12	0.054749	0.23766	0.02117295	0.64812	0.200761	1.23E-05
0.20888	0.113713	0.01394	-0.25143	3.64E-08	-0.2682223	3.88E-09	-0.09135	0.04851
0.78567	0.055332	0.23269	-0.21381	3.13E-06	0.15540043	0.00075	0.325855	5.16E-13
0.19043	0.088214	0.05679	0.395906	5.64E-19	0.15532313	0.00076	-0.13621	0.00318
0.3086	0.441146	1.16E-23	0.187893	4.39E-05	0.17202086	0.00019	0.367369	2.28E-16
0.7121	0.272638	2.10E-09	-0.09425	0.04176	-0.1094129	0.01802	0.112241	0.01524
0.33617	0.339216	4.87E-14	0.090666	0.05022	0.07189255	0.12079	0.254465	2.46E-08
0.0502	-0.03135	0.49917	-0.28091	6.45E-10	0.14177392	0.00213	0.410969	1.86E-20
0.19841	0.214287	2.97E-06	-0.17614	0.00013	0.03817928	0.41042	0.287548	2.43E-10
0.41628	0.065404	0.15821	-0.03963	0.39282	0.31639138	2.57E-12	0.533883	9.12E-36
0.41094	-0.15872	0.00058	-0.33378	1.29E-13	-0.003068	0.94728	0.305896	1.42E-11
0.00142	0.038026	0.4123	-0.09531	0.03952	0.22275732	1.16E-06	0.458334	1.24E-25
0.05307	-0.20559	7.50E-06	-0.35933	1.11E-15	0.0108266	0.81549	0.006087	0.89563
0.62979	0.282953	4.79E-10	-0.05223	0.25997	0.09270694	0.04525	0.357591	1.56E-15
0.49715	0.003238	0.94437	-0.24897	4.98E-08	0.00545636	0.90639	0.086914	0.06055
0.64277	0.379297	1.99E-17	0.11141	0.01601	0.12091821	0.00891	0.382498	1.02E-17
0.30761	0.074988	0.10557	-0.24773	5.83E-08	0.05517847	0.234	0.285209	3.43E-10
0.89558	0.172824	0.00017	0.034909	0.4517	0.1197101	0.00962	0.252654	3.11E-08
0.00616	0.323741	7.42E-13	0.113729	0.01393	-0.0115888	0.80276	0.118182	0.01059
0.0338	-0.10841	0.01911	-0.26135	9.89E-09	0.06594021	0.15482	0.272701	2.08E-09
0.02081	0.129095	0.00521	0.088507	0.05597	0.27472819	1.56E-09	0.435534	4.86E-23
0.56334	0.308649	9.15E-12	-0.02378	0.60824	0.12475514	0.00695	0.364731	3.86E-16
0.72592	0.154309	0.00082	-0.2003	1.29E-05	-0.0402433	0.38557	0.173128	0.00017
0.06601	0.144201	0.00178	-0.15112	0.00105	-0.0040378	0.93065	0.214593	2.87E-06
0.30368	0.1177	0.01091	-0.13212	0.00424	0.04005307	0.38782	0.377555	2.86E-17
0.62901	0.084903	0.06678	-0.20962	4.91E-06	0.07016596	0.13	0.126685	0.00612
3.06E-05	-0.03786	0.41437	-0.38606	4.79E-18	-0.0912472	0.04876	0.022354	0.62993
0.52604	0.056765	0.2208	-0.24216	1.17E-07	0.08976825	0.05255	0.404101	9.01E-20
0.57179	0.271111	2.60E-09	0.078129	0.09171	0.25397458	2.62E-08	0.494191	3.96E-30
0.50497	0.238125	1.92E-07	-0.17158	0.00019	0.0152842	0.74183	0.269378	3.31E-09

0.50548	0.238351	1.86E-07	-0.0738	0.1112	0.03319539	0.47422	0.26375	7.16E-09
0.00151	-0.20593	7.24E-06	-0.29834	4.69E-11	0.06826879	0.14073	0.12986	0.00494
0.04247	0.006058	0.89612	-0.26552	5.63E-09	-0.3049765	1.65E-11	-0.19801	1.63E-05
0.00213	-0.08564	0.06445	-0.29597	6.77E-11	-0.0722298	0.11905	0.05553	0.23102
0.05138	0.173593	0.00016	0.015156	0.74392	0.14702502	0.00144	0.387052	3.87E-18
0.15451	0.192203	2.90E-05	-0.21185	3.87E-06	-0.1370659	0.003	-0.04236	0.36108
0.50457	0.340964	3.54E-14	0.133041	0.00397	0.1895329	3.75E-05	0.436241	4.06E-23
0.25377	-0.02996	0.51838	-0.33695	7.32E-14	-0.0831043	0.07278	0.03398	0.46383
0.31128	0.457074	1.74E-25	0.049835	0.2825	0.01925468	0.67813	0.313185	4.37E-12
0.65045	0.189873	3.63E-05	-0.02397	0.60535	0.2319559	4.01E-07	0.547779	6.36E-38
0.76119	-0.0635	0.17068	-0.18356	6.61E-05	0.18399362	6.34E-05	0.457699	1.47E-25
0.2583	0.012086	0.79449	-0.08999	0.05197	0.14045949	0.00235	0.347268	1.11E-14
0.03522	0.225913	8.10E-07	-0.10564	0.02242	-0.0800285	0.08407	0.01954	0.67362
8.47E-06	-0.23662	2.30E-07	-0.40025	2.15E-19	-0.12831	0.00549	-0.02857	0.53792
0.11031	0.080321	0.08293	-0.21098	4.24E-06	0.04698455	0.31097	0.327467	3.91E-13
0.05842	-0.03634	0.4333	-0.19564	2.06E-05	-0.2049137	8.05E-06	-0.01153	0.80373
0.02748	0.261711	9.42E-09	-0.12236	0.00812	0.10758969	0.02004	0.34455	1.84E-14
0.19936	0.114476	0.01331	-0.11596	0.01215	-0.1677535	0.00027	0.068916	0.137
0.81398	0.122465	0.00806	-0.08449	0.06814	0.12469351	0.00698	0.21682	2.25E-06
0.59353	0.022594	0.62626	-0.26919	3.40E-09	0.03264326	0.4816	0.334821	1.07E-13
0.77502	0.211277	4.11E-06	-0.21145	4.04E-06	-0.0341288	0.46187	0.033853	0.4655
0.52922	0.423265	1.01E-21	0.163669	0.00038	0.31433797	3.61E-12	0.58996	3.98E-45
0.7995	0.228878	5.75E-07	-0.1524	0.00095	0.06077011	0.18988	0.324098	6.98E-13
0.34421	0.014007	0.76274	0.05268	0.25588	0.12993689	0.00492	0.188564	4.12E-05
0.3952	0.30495	1.66E-11	0.021153	0.64842	0.10896047	0.0185	0.211288	4.11E-06
0.56795	0.037994	0.41269	-0.30925	8.31E-12	-0.1019102	0.02766	0.011029	0.81212
0.10946	0.141064	0.00225	-0.11391	0.01378	0.28744517	2.47E-10	0.45037	1.05E-24
0.59205	0.314316	3.62E-12	0.033092	0.47559	0.17229841	0.00018	0.227706	6.59E-07
0.017	0.121833	0.0084	-0.22387	1.02E-06	-0.0026745	0.95403	0.115857	0.01223
0.97931	0.124779	0.00694	-0.11862	0.0103	0.13058532	0.00471	0.399141	2.75E-19
0.69524	0.075396	0.10368	-0.2259	8.12E-07	-0.0205542	0.65774	0.148252	0.00131
0.90613	0.34629	1.33E-14	-0.07805	0.09202	0.17055263	0.00021	0.370153	1.30E-16
0.60019	0.248771	5.11E-08	-0.11237	0.01512	-0.1729826	0.00017	0.035395	0.44542
0.47052	0.242902	1.07E-07	-0.05243	0.25812	0.11040988	0.01699	0.375274	4.59E-17
0.54875	0.330588	2.27E-13	-0.11786	0.0108	-0.2368144	2.25E-07	-0.04447	0.33764
0.86207	0.318212	1.89E-12	0.070201	0.12981	0.2397735	1.57E-07	0.535811	4.64E-36
0.24111	0.302431	2.47E-11	-0.07389	0.1108	-0.1690964	0.00024	0.041618	0.36953
0.03316	0.149057	0.00124	-0.21878	1.81E-06	-0.005436	0.90673	0.242372	1.14E-07
0.96953	0.18016	9.04E-05	-0.03546	0.44459	0.12667745	0.00612	0.360568	8.75E-16
0.031	0.259843	1.21E-08	-0.0768	0.0974	-0.1504328	0.00111	-0.08892	0.05483
0.03563	0.084081	0.06947	-0.20299	9.82E-06	-0.0899815	0.05199	0.156872	0.00067
0.03902	0.057067	0.21835	-0.17937	9.72E-05	-0.0602429	0.19375	0.101371	0.02849
0.16045	0.164598	0.00035	-0.09574	0.03863	0.070921	0.12591	0.109769	0.01765
0.13589	-0.13654	0.00311	-0.31238	4.98E-12	0.00646828	0.88913	0.157883	0.00062
0.05387	-0.07994	0.08441	-0.21636	2.37E-06	0.05912837	0.20214	0.183169	6.85E-05



0.81237	0.169374	0.00024	-0.10909	0.01836	0.04954194	0.28534	0.312978	4.52E-12
0.97033	0.196939	1.81E-05	-0.04038	0.38392	0.11159593	0.01584	0.215346	2.65E-06
0.39866	0.065519	0.15748	-0.134	0.00372	0.03976516	0.39124	0.250981	3.85E-08
0.05155	-0.28705	2.61E-10	-0.4476	2.18E-24	-0.0415747	0.37003	-0.03874	0.40362
0.34289	0.002951	0.9493	-0.1678	0.00027	0.12356844	0.00751	0.399311	2.65E-19
0.66959	-0.07641	0.0991	-0.3113	5.95E-12	-0.1218951	0.00837	0.030334	0.51316
0.9665	0.370556	1.20E-16	0.062489	0.17763	0.12159835	0.00853	0.44862	1.67E-24
0.01456	0.428143	3.06E-22	0.062742	0.17588	0.07016929	0.12998	0.354288	2.95E-15
0.23489	0.029414	0.52603	-0.25431	2.51E-08	0.16646483	0.0003	0.455705	2.52E-25
0.5852	0.157	0.00066	0.039599	0.39322	-0.04213	0.36367	0.040562	0.38182
0.04989	0.215646	2.56E-06	-0.13045	0.00475	0.05096251	0.27174	0.375373	4.49E-17
0.66152	-0.025	0.58997	-0.16419	0.00037	0.13042916	0.00476	0.344083	2.00E-14
0.35003	0.234924	2.82E-07	-0.11985	0.00953	-0.177076	0.00012	0.052792	0.25487
0.9535	-0.02964	0.52289	0.388131	3.07E-18	0.3031197	2.22E-11	0.072598	0.11718
0.26981	-0.05756	0.2144	-0.4003	2.12E-19	-0.0480796	0.29982	0.028112	0.54452
0.11215	0.385521	5.37E-18	0.010055	0.82843	-0.1247625	0.00695	0.095177	0.03979
0.44891	0.057564	0.21436	-0.20118	1.18E-05	0.11435807	0.01341	0.312785	4.66E-12
0.18197	0.099688	0.03125	-0.14466	0.00172	-0.017103	0.7124	0.333014	1.48E-13
0.07592	0.053017	0.25286	-0.10815	0.0194	0.06445728	0.16433	0.278277	9.43E-10
0.16163	0.009895	0.83112	0.000302	0.9948	0.09497182	0.04022	0.240162	1.50E-07
0.27066	0.079375	0.08663	-0.19335	2.59E-05	0.14808973	0.00133	0.359062	1.17E-15
0.03218	0.225618	8.38E-07	-0.12149	0.00859	0.11694177	0.01144	0.289663	1.77E-10
0.47215	-0.08813	0.05702	-0.24717	6.26E-08	0.20170193	1.12E-05	0.48425	7.90E-29
0.97843	0.196742	1.85E-05	-0.03344	0.47095	0.25083531	3.93E-08	0.539491	1.26E-36
0.23962	0.372966	7.36E-17	0.164143	0.00037	0.23500606	2.79E-07	0.443311	6.66E-24
0.01098	-0.28793	2.29E-10	-0.39261	1.16E-18	-0.0547593	0.23757	0.115757	0.01231
0.52082	0.073565	0.11236	-0.13844	0.00272	0.20084572	1.22E-05	0.45653	2.02E-25
0.04359	0.083445	0.07161	-0.22078	1.45E-06	-0.1162975	0.0119	0.175529	0.00014
0.01032	-0.16246	0.00042	-0.41273	1.23E-20	-0.0778158	0.09302	0.106191	0.02172
0.0186	0.389122	2.48E-18	0.005502	0.9056	0.11994263	0.00948	0.381106	1.37E-17
0.83313	0.416381	5.23E-21	0.048254	0.29807	-0.0309001	0.50533	0.230525	4.75E-07
0.20484	0.113404	0.01421	0.035928	0.43859	0.37354751	6.53E-17	0.575061	1.84E-42
0.75565	0.128542	0.0054	-0.26511	5.95E-09	-0.0040853	0.92984	0.223341	1.09E-06
0.45567	0.052211	0.26015	-0.12606	0.00638	-0.226802	7.32E-07	-0.11694	0.01144
0.00664	0.387628	3.42E-18	-0.04503	0.33152	-0.0435801	0.34737	0.200992	1.21E-05
0.20457	0.146339	0.00152	-0.06659	0.15079	0.13037935	0.00477	0.244512	8.74E-08
0.41263	-0.08832	0.05649	-0.3904	1.88E-18	-0.2173303	2.13E-06	-0.05492	0.23622
0.6665	0.144904	0.00169	-0.13067	0.00468	0.05894556	0.20354	0.154476	0.00081
0.71159	0.223097	1.12E-06	-0.09097	0.04946	0.16664527	0.0003	0.496473	1.96E-30
0.64556	0.1385	0.0027	-0.27843	9.22E-10	-0.0605504	0.19149	0.162941	0.00041
0.71906	0.044498	0.3373	-0.24151	1.27E-07	-0.1145173	0.01328	-0.0148	0.74968
0.94866	0.094601	0.04101	-0.00641	0.89004	0.14736403	0.00141	0.352075	4.49E-15
0.03032	0.324983	6.00E-13	-0.00321	0.94493	0.06227119	0.17915	0.292099	1.22E-10
0.8318	0.33796	6.11E-14	0.153712	0.00086	0.24424444	9.03E-08	0.526824	1.04E-34
0.25075	0.090571	0.05046	-0.17348	0.00016	0.10301862	0.026	0.194324	2.35E-05

0.02585	0.349196	7.73E-15	-0.06969	0.13264	-0.1708072	0.00021	0.038381	0.40796
0.87092	0.169983	0.00022	-0.19839	1.57E-05	0.02623951	0.57165	0.248648	5.19E-08
0.85605	-0.00263	0.95474	-0.19573	2.05E-05	0.03376836	0.46662	0.247549	5.97E-08
0.48803	0.290479	1.56E-10	-0.04512	0.33063	0.13079158	0.00464	0.303944	1.95E-11
0.28422	0.271731	2.39E-09	0.077847	0.09289	0.28562743	3.23E-10	0.546248	1.11E-37
0.73126	0.258157	1.51E-08	-0.10604	0.02192	0.14557047	0.00161	0.400945	1.84E-19
0.07431	0.003413	0.94136	-0.33906	5.01E-14	0.05408023	0.24345	0.188139	4.29E-05
0.0091	0.25423	2.53E-08	-0.05696	0.21923	-0.0135478	0.77029	0.143888	0.00182
0.29029	0.213454	3.25E-06	-0.05823	0.20909	0.03131942	0.49957	0.203338	9.48E-06
0.27512	0.036861	0.42678	-0.29647	6.27E-11	-0.0884787	0.05605	0.118036	0.01068
0.0138	0.175818	0.00013	-0.15714	0.00065	0.03184584	0.49238	0.23304	3.53E-07
0.99346	-0.02747	0.55374	-0.21805	1.97E-06	0.04966337	0.28416	0.339583	4.55E-14
0.43885	0.017715	0.70259	-0.26782	4.10E-09	0.00424074	0.92718	0.271158	2.58E-09
0.07334	0.006022	0.89673	-0.22569	8.32E-07	-0.0036112	0.93796	0.173331	0.00017
0.40484	-0.11629	0.01191	-0.36776	2.11E-16	-0.1126126	0.0149	0.009239	0.84217
0.17978	-0.06648	0.15145	-0.20969	4.87E-06	0.04949797	0.28577	0.184816	5.87E-05
0.03186	0.174073	0.00016	-0.21195	3.82E-06	-0.1482805	0.00131	-0.0161	0.72858
0.13089	0.131796	0.00433	-0.08708	0.06006	0.14044748	0.00235	0.31284	4.62E-12
0.8694	0.278252	9.46E-10	-0.0051	0.9125	0.08005173	0.08398	0.392748	1.13E-18
0.77028	0.224677	9.34E-07	-0.10537	0.02277	0.1240046	0.0073	0.347749	1.01E-14
0.02836	0.456713	1.92E-25	0.137769	0.00285	0.23452363	2.96E-07	0.493678	4.63E-30
0.222	0.371774	9.38E-17	0.097212	0.03572	0.1779836	0.00011	0.477951	5.00E-28
0.47475	0.3185	1.80E-12	0.009121	0.84416	0.09276519	0.04511	0.322503	9.17E-13
0.03142	0.349212	7.71E-15	-0.07187	0.12093	-0.0988681	0.03267	0.058062	0.21042
0.02121	0.242002	1.19E-07	-0.0224	0.62929	0.04370165	0.34603	0.213972	3.08E-06
0.12344	0.282674	4.99E-10	-0.11538	0.01259	0.07457436	0.10751	0.257696	1.61E-08
0.38272	0.222489	1.20E-06	-0.02941	0.52613	0.28234702	5.23E-10	0.523121	3.65E-34
0.20426	0.111829	0.01562	-0.17038	0.00022	-0.1462658	0.00153	-0.04188	0.36652
0.94381	0.242214	1.16E-07	-0.01022	0.8256	0.15021396	0.00113	0.388497	2.84E-18
0.93117	0.345726	1.48E-14	0.062317	0.17883	0.288083	2.24E-10	0.498717	9.81E-31
0.80287	0.433947	7.24E-23	0.055212	0.23371	0.10007186	0.0306	0.241052	1.34E-07
0.07563	0.120409	0.0092	-0.22531	8.68E-07	-0.1302766	0.00481	0.035318	0.44641
0.0621	0.024134	0.6029	-0.14173	0.00214	-0.1450224	0.00168	-0.08206	0.07646
0.20317	0.049425	0.28648	-0.21805	1.97E-06	0.11720164	0.01125	0.398966	2.86E-19
0.42166	0.216545	2.32E-06	-0.23882	1.76E-07	-0.0857175	0.0642	0.067448	0.14558
0.11518	-0.0541	0.24325	-0.34931	7.57E-15	-0.0680941	0.14175	0.143194	0.00192
0.16822	0.257967	1.55E-08	-0.03658	0.43034	0.13747799	0.00291	0.299321	4.03E-11
0.35603	-0.15548	0.00075	-0.46094	6.08E-26	-0.1109042	0.0165	0.01349	0.77124
0.00836	0.107919	0.01966	-0.14506	0.00167	0.06297933	0.17424	0.282741	4.94E-10
0.15872	0.296206	6.53E-11	-0.0412	0.37439	-0.0549209	0.23619	0.135597	0.00332
0.3252	0.514875	5.65E-33	0.195772	2.04E-05	0.21020516	4.61E-06	0.477034	6.53E-28
0.82444	0.433097	8.96E-23	0.056115	0.22614	0.0615477	0.18426	0.174753	0.00015
0.20717	0.215905	2.49E-06	-0.01668	0.7192	0.02289485	0.62166	0.324858	6.13E-13
0.07025	0.0728	0.11616	-0.11513	0.01279	0.25978784	1.22E-08	0.458412	1.21E-25
0.00022	0.211835	3.87E-06	-0.14433	0.00177	-0.0464342	0.31668	0.080174	0.0835

0.50454	-0.01836	0.69229	-0.20133	1.16E-05	-0.0689837	0.13661	-0.07514	0.10485
0.05123	-0.34461	1.81E-14	-0.16952	0.00023	-0.0541013	0.24327	-0.12853	0.00541
0.06657	0.043672	0.34636	-0.05398	0.24429	-0.0517662	0.26424	0.00969	0.83457
0.45782	-0.03975	0.39141	-0.11405	0.01366	-0.0095901	0.83625	0.018371	0.69213
0.00012	0.081752	0.07758	-0.05698	0.21903	0.04649306	0.31607	0.152618	0.00094
0.08398	0.100763	0.02946	-0.09612	0.03786	-0.1865521	4.99E-05	-0.22994	5.08E-07
0.00331	0.211316	4.10E-06	0.114494	0.0133	0.00934952	0.8403	0.075947	0.10117
0.25006	0.298673	4.46E-11	0.366899	2.51E-16	0.00501608	0.91391	-0.09794	0.03435
0.0023	0.203627	9.20E-06	0.135841	0.00327	0.15528301	0.00076	0.093583	0.04324
0.00388	-0.08696	0.06043	-0.02928	0.52795	0.29094057	1.46E-10	0.112922	0.01462
0.00016	0.027163	0.55819	0.063697	0.16938	0.04429441	0.33952	-0.03662	0.42977
0.00056	0.167812	0.00027	0.057126	0.21787	0.09222422	0.04638	0.105309	0.02285
0.41054	0.0206	0.65703	-0.03193	0.49128	-0.0263958	0.56936	0.053058	0.25249
0.1277	0.308941	8.73E-12	0.375277	4.58E-17	0.17574192	0.00013	0.003052	0.94756
0.61062	0.119716	0.00961	0.072323	0.11858	0.0313917	0.49858	-0.09424	0.04179
0.70553	-0.10514	0.02307	-0.26753	4.28E-09	-0.1338658	0.00375	-0.09781	0.03458
3.05E-09	-0.03274	0.48034	-0.03378	0.46642	0.04452309	0.33703	0.078185	0.09148
0.3225	-0.09237	0.04603	-0.08005	0.08398	0.05305858	0.25248	-0.01519	0.74338
0.0003	-0.14816	0.00132	-0.07052	0.12805	0.03927485	0.39711	0.006733	0.88463
0.2208	0.069955	0.13116	0.128864	0.00529	0.17003489	0.00022	0.058421	0.2076
0.59908	-0.03154	0.49657	0.021067	0.64976	0.13296498	0.004	0.071609	0.12227
0.92294	0.097373	0.03541	0.000411	0.99293	0.11402849	0.01368	0.112808	0.01473
0.41435	0.051702	0.26483	-0.15275	0.00093	-0.1632397	0.0004	-0.12455	0.00704
0.22738	0.085609	0.06453	-0.04354	0.34777	-0.2356443	2.59E-07	-0.1325	0.00413
0.12254	0.180929	8.43E-05	0.218777	1.81E-06	0.16881239	0.00025	0.103749	0.02496
0.02393	0.109305	0.01813	0.250409	4.15E-08	0.24073353	1.39E-07	0.150177	0.00113
0.00082	-0.11544	0.01255	0.02821	0.54311	0.29254758	1.14E-10	0.210027	4.70E-06
0.29626	0.189886	3.63E-05	0.224831	9.17E-07	0.16832956	0.00026	-0.07511	0.10498
0.0493	-0.09495	0.04027	0.008651	0.85209	0.270517	2.83E-09	0.353925	3.16E-15
0.51963	-0.19081	3.31E-05	-0.1024	0.02691	0.08245953	0.07504	0.064883	0.16156
1.92E-05	-0.2163	2.39E-06	0.103902	0.02474	0.42147411	1.55E-21	0.323435	7.82E-13
0.82684	0.012941	0.78031	0.014728	0.75091	0.06294521	0.17448	0.079918	0.0845
0.93086	0.125702	0.00653	0.185256	5.63E-05	-0.0441421	0.34118	-0.10842	0.0191
0.40742	0.076455	0.0989	0.154938	0.00078	0.18259852	7.22E-05	0.197124	1.78E-05
0.39675	0.15659	0.00068	0.185213	5.66E-05	0.28110674	6.27E-10	0.326077	4.97E-13
0.24101	0.094002	0.04231	0.012211	0.7924	0.21550223	2.60E-06	0.294637	8.31E-11
0.68865	0.098187	0.0339	0.060421	0.19244	0.14868986	0.00127	0.204745	8.19E-06
0.72131	0.041247	0.37381	-0.07014	0.13016	-0.2091576	5.16E-06	-0.10059	0.02974
0.0221	-0.10344	0.0254	-0.23171	4.13E-07	-0.2885201	2.10E-10	-0.3501	6.52E-15
0.09454	0.06968	0.13269	-0.03432	0.45934	-0.0580952	0.21015	-0.04434	0.33898
0.61728	0.041194	0.37443	-0.09954	0.0315	-0.0455275	0.32623	0.026787	0.56366
0.14424	-0.027	0.56049	0.109406	0.01803	-0.1940409	2.42E-05	-0.1988	1.51E-05
0.34174	0.078652	0.08955	0.123941	0.00733	0.07695478	0.09671	0.057075	0.21829
0.98503	-0.05009	0.28006	-0.00118	0.97964	0.06189388	0.1818	0.069537	0.13349
0.34376	0.118441	0.01042	0.076465	0.09886	-0.0019534	0.96642	-0.01554	0.73765

0.0856	0.159972	0.00052	0.144956	0.00169	0.05855493	0.20656	0.05817	0.20957
0.3327	0.144182	0.00179	0.045896	0.32233	0.05773531	0.213	0.051103	0.27042
0.47951	0.076395	0.09917	-0.13478	0.00352	0.09386522	0.04261	0.1804	8.85E-05
0.99269	0.042838	0.35565	0.018766	0.68585	-0.2577926	1.59E-08	-0.24536	7.86E-08
0.54537	0.084039	0.06961	-0.00987	0.83157	0.02602236	0.57484	0.02206	0.63444
0.10656	0.08099	0.0804	-0.01515	0.74398	-0.1657237	0.00032	-0.11398	0.01372
0.17475	0.010354	0.82342	0.003248	0.94419	-0.0879097	0.05765	-0.07874	0.08918
0.66197	-0.0396	0.39325	0.023912	0.60625	0.0373099	0.42117	0.026674	0.56531
0.78335	-0.0191	0.68063	-0.07616	0.10021	-0.0786679	0.08949	-0.05021	0.27886
0.40365	-0.00455	0.92181	-0.05702	0.21876	-0.0337013	0.4675	-0.04488	0.33314
0.51427	-0.02938	0.52651	-0.09509	0.03997	-0.0476869	0.30379	-0.05961	0.19848
0.4463	0.109066	0.01839	0.110078	0.01733	0.00998092	0.82968	0.027104	0.55904
0.46179	-0.0686	0.13883	0.018137	0.69585	0.10633279	0.02155	0.045399	0.3276
0.41429	-0.0852	0.06581	-0.0922	0.04645	0.09035504	0.05102	0.048459	0.29602
0.18699	0.088457	0.05611	0.049444	0.2863	-0.0425036	0.35942	-0.05269	0.25579
0.78866	0.043329	0.35016	-0.02466	0.59508	-0.1998239	1.36E-05	-0.18623	5.14E-05
0.98941	0.100988	0.0291	0.085947	0.06348	-0.0256476	0.58036	-0.04588	0.32252
0.41342	-0.06851	0.13934	-0.20604	7.16E-06	-0.2204485	1.51E-06	-0.18287	7.04E-05
0.55057	-0.0506	0.27516	-0.10785	0.01974	0.01994388	0.66728	0.057339	0.21616
0.00608	0.036546	0.43075	-0.11636	0.01186	-0.079227	0.08723	-0.06277	0.17567
0.24429	0.109137	0.01831	0.017008	0.71393	0.19624262	1.95E-05	0.174859	0.00015
0.28925	0.090372	0.05097	0.040623	0.38109	-0.0066986	0.88521	0.002244	0.96143
0.73981	0.07267	0.11681	0.075099	0.10505	0.00984211	0.83201	0.045093	0.33087
1.04E-06	-0.08675	0.06103	-0.00206	0.96458	0.12532766	0.00669	0.143044	0.00194
0.90009	0.10674	0.02105	-0.05736	0.21599	-0.2188824	1.79E-06	-0.14964	0.00118
0.87816	0.089823	0.0524	0.095471	0.03918	0.226254	7.79E-07	0.242354	1.14E-07
0.4168	-0.00883	0.84911	-0.05678	0.22069	-0.0466715	0.31421	-0.03114	0.502
0.39385	0.134673	0.00355	0.167869	0.00027	0.20185622	1.10E-05	0.287312	2.51E-10
0.89228	-0.01499	0.74655	-0.1177	0.01091	0.00800746	0.86298	-0.03549	0.44421
0.40372	0.066104	0.15379	0.065184	0.15962	0.03430654	0.45954	0.037521	0.41854
0.46618	0.048497	0.29564	0.059419	0.19993	0.05386277	0.24535	0.041633	0.36936
0.75376	0.003318	0.94299	0.028815	0.5345	0.02081197	0.65372	-0.03462	0.45545
0.07674	-0.07337	0.11331	-0.12583	0.00647	0.01791059	0.69946	-0.04364	0.34671
0.35599	-0.00516	0.91139	-0.15779	0.00062	-0.1532515	0.00089	-0.08046	0.08239
0.54496	-0.0177	0.70288	0.05081	0.27318	0.09385172	0.04264	0.067368	0.14606
0.68783	-0.02092	0.65204	-0.04887	0.29192	-0.0298931	0.51931	-0.05962	0.19839
0.5429	-0.05452	0.23962	-0.12465	0.007	-0.1098204	0.01759	-0.06346	0.17097
0.64212	0.019681	0.67141	0.055189	0.23391	0.03149342	0.49719	0.029545	0.52419
0.32806	0.006505	0.88851	-0.08663	0.0614	-0.0491406	0.28927	-0.03821	0.41006
0.51272	0.032277	0.48654	0.055447	0.23173	-0.0182165	0.69459	-0.01541	0.7398
0.73881	0.025242	0.58636	0.007542	0.87087	-0.0515981	0.2658	-0.02874	0.5356
0.49165	0.171809	0.00019	0.193776	2.48E-05	0.09655102	0.037	0.045964	0.32161
0.48268	-0.09955	0.03149	-0.21949	1.68E-06	-0.1447843	0.00171	-0.04439	0.33853
0.11754	0.163213	0.0004	0.099749	0.03115	-0.087071	0.06009	-0.06834	0.14033
0.10418	0.090803	0.04987	-0.09697	0.03619	-0.2229526	1.14E-06	-0.17526	0.00014

0.13082	0.13813	0.00278	-0.13464	0.00356	-0.2760658	1.29E-09	-0.20971	4.86E-06
0.83174	0.123771	0.00741	-0.04204	0.36466	-0.0191661	0.67953	0.111991	0.01547
0.01582	-0.02101	0.65071	-0.18504	5.75E-05	0.09505153	0.04005	0.052753	0.25523
0.97572	0.04592	0.32207	0.169919	0.00023	0.38256747	1.00E-17	0.269854	3.10E-09
0.63954	0.027016	0.56032	0.015497	0.73837	0.07525515	0.10433	0.071337	0.1237
0.11883	0.055963	0.2274	0.112398	0.01509	0.06812539	0.14157	-0.02128	0.64641
0.39872	0.018498	0.69011	0.145509	0.00162	0.01911772	0.68029	-0.14044	0.00235
0.31463	0.137657	0.00287	0.046074	0.32045	-0.052009	0.262	-0.01596	0.73091
0.20765	-0.06661	0.15066	-0.28321	4.61E-10	-0.0780424	0.09207	-0.082	0.07669
0.72467	0.023674	0.60984	0.091586	0.04792	0.20584358	7.31E-06	0.136185	0.00319
0.94613	0.084998	0.06647	0.226457	7.61E-07	0.17299963	0.00017	-0.04684	0.31244
2.02E-08	0.049134	0.28933	-0.06319	0.17278	0.0048066	0.91749	0.019343	0.67673
0.79366	-0.14621	0.00153	-0.24862	5.21E-08	-0.0685305	0.13921	-0.20833	5.63E-06
0.16812	-0.23327	3.43E-07	-0.07188	0.12088	-0.1843744	6.12E-05	-0.33131	2.00E-13
0.1142	-0.25437	2.49E-08	-0.1955	2.09E-05	0.05237827	0.25863	-0.02287	0.62211
0.20601	-0.0349	0.45183	-0.00438	0.92474	0.0101477	0.82687	0.073851	0.11097
0.02099	-0.16024	0.00051	-0.11952	0.00973	-0.0144068	0.75617	-0.06621	0.15311
0.86815	-0.00036	0.99386	0.077215	0.09558	0.28223663	5.31E-10	0.245898	7.35E-08
0.22146	0.030853	0.50599	0.219284	1.71E-06	0.16336561	0.00039	0.067948	0.14261
0.55823	0.15326	0.00089	0.127206	0.00591	0.25586479	2.05E-08	0.236839	2.24E-07
0.9747	0.07902	0.08806	0.238618	1.81E-07	0.15159915	0.00102	0.058812	0.20457
0.45511	0.194434	2.33E-05	0.094121	0.04205	-0.095079	0.03999	-0.11826	0.01053
0.00362	0.138838	0.00264	0.01089	0.81443	-0.1281622	0.00554	-0.01948	0.6746
4.03E-05	0.032099	0.48895	0.062939	0.17452	0.11007379	0.01733	0.065479	0.15774
0.0286	0.056117	0.22613	-0.06008	0.19493	-0.0477045	0.30361	0.008909	0.84773
0.00258	0.179604	9.51E-05	0.1487	0.00127	0.1787371	0.0001	0.231925	4.03E-07
0.04701	-0.15262	0.00094	-0.05712	0.21789	0.15375911	0.00086	0.105543	0.02254
0.67999	0.131462	0.00443	0.129781	0.00497	0.02974302	0.52141	-0.0552	0.23379
0.68493	-0.05974	0.19751	-0.33112	2.06E-13	-0.172959	0.00017	-0.08666	0.06131
2.71E-06	0.191292	3.16E-05	0.208078	5.78E-06	-0.037739	0.41584	-0.13093	0.0046
0.00042	-0.15145	0.00103	-0.07082	0.12647	0.10324791	0.02567	0.169421	0.00024
0.89303	0.109523	0.0179	-0.05509	0.23478	-0.0354783	0.44434	0.046194	0.31919
0.37117	-0.02709	0.55919	-0.02651	0.56768	0.05395318	0.24456	-0.0388	0.40286
0.01458	-0.02089	0.65245	-0.04837	0.29688	0.07040487	0.12869	-0.06083	0.18941
0.20165	-0.04729	0.30779	0.031299	0.49984	0.07845934	0.09034	0.085121	0.06608
0.68262	0.186709	4.91E-05	0.409134	2.85E-20	0.38335548	8.50E-18	0.213874	3.11E-06
0.00167	0.31597	2.75E-12	0.147532	0.00139	-0.022604	0.6261	-0.05572	0.2294
0.32614	0.006443	0.88956	-0.06944	0.13405	-0.092523	0.04568	-0.08794	0.05756
0.18807	-0.04127	0.37353	0.200434	1.28E-05	0.52616667	1.30E-34	0.373926	6.05E-17
6.46E-05	0.061307	0.18598	0.162483	0.00042	0.05684918	0.22012	-0.08699	0.06031
0.97474	0.292516	1.15E-10	0.129662	0.00501	-0.1445486	0.00174	-0.25762	1.62E-08
0.60891	0.006711	0.885	-0.03097	0.50441	-0.0424898	0.35958	-0.03076	0.50725
0.1038	0.247661	5.88E-08	0.265807	5.41E-09	0.11431512	0.01344	0.157692	0.00063
0.56699	0.345407	1.57E-14	0.076398	0.09915	-0.068191	0.14119	-0.0571	0.21807
0.49294	0.02796	0.5467	0.011077	0.81131	-0.0023584	0.95946	-0.01788	0.6999

0.96779	-0.04165	0.36918	-0.00538	0.90767	-0.0509202	0.27214	-0.06514	0.15991
0.46861	0.210155	4.64E-06	0.133026	0.00398	0.08932994	0.05372	0.179731	9.40E-05
0.21676	-0.01435	0.75707	-0.00016	0.99724	0.03114845	0.50191	-0.10906	0.0184
0.18868	0.275596	1.38E-09	0.157444	0.00064	0.13140337	0.00445	0.212476	3.62E-06
0.00069	-0.12801	0.0056	-0.20151	1.14E-05	-0.0010106	0.98262	-0.12617	0.00633
6.48E-21	0.044608	0.33611	-0.13669	0.00308	-0.0483017	0.29759	-0.06295	0.17447
5.34E-06	0.222041	1.26E-06	0.07844	0.09042	0.04264357	0.35784	0.054473	0.24004
0.25735	0.056347	0.22423	-0.01363	0.76887	0.06712827	0.14751	0.112822	0.01471
3.60E-05	-0.03912	0.39898	-0.03356	0.46941	0.13465441	0.00355	0.115774	0.01229
0.01782	0.101251	0.02868	-0.07224	0.11901	-0.0244739	0.59781	0.05963	0.19834
1.51E-07	0.099968	0.03078	0.102653	0.02654	0.26993712	3.06E-09	0.200646	1.25E-05
0.51845	0.017887	0.69984	-0.0812	0.07963	0.10748295	0.02017	0.221733	1.30E-06
0.03793	-0.17863	0.0001	-0.08028	0.08308	0.06639821	0.15197	0.022365	0.62975
0.25429	0.113174	0.0144	0.488513	2.21E-29	0.32697031	4.26E-13	0.118614	0.0103
0.09339	-0.13257	0.00411	0.097197	0.03575	0.07850304	0.09016	-0.00804	0.86235
0.09742	0.152995	0.00091	0.246989	6.40E-08	0.11504008	0.01286	-0.09353	0.04337
0.03956	-0.03118	0.50155	-0.0125	0.78767	0.01916164	0.6796	0.005366	0.90793
0.21086	-0.20366	9.17E-06	-0.04079	0.37914	0.06256107	0.17713	0.055802	0.22875
0.19661	0.33056	2.28E-13	0.381531	1.25E-17	-0.0350247	0.45019	-0.01432	0.75761
0.77489	0.101522	0.02826	-0.0636	0.17001	-0.0684901	0.13945	-0.00073	0.98744
0.65345	-0.07221	0.11915	-0.12633	0.00626	-0.0927855	0.04506	-0.07222	0.11911
0.31071	-0.00607	0.89594	0.031093	0.50268	0.02573323	0.5791	0.007734	0.86761
0.45833	0.171735	0.00019	0.042929	0.35463	-0.0437173	0.34586	-0.0053	0.9091
0.06268	-0.08904	0.0545	-0.22947	5.37E-07	-0.1992734	1.44E-05	-0.32522	5.76E-13
0.00154	0.168792	0.00025	0.202618	1.02E-05	0.0641781	0.16617	-0.00547	0.90613
0.65587	-0.04018	0.38637	0.132575	0.00411	0.27535249	1.43E-09	0.256515	1.88E-08
0.00288	0.078358	0.09076	0.103648	0.0251	0.16998694	0.00022	0.157753	0.00062
0.01761	0.14964	0.00118	0.12268	0.00795	-0.0642594	0.16563	-0.09506	0.04004
0.1613	0.021461	0.64367	0.051698	0.26487	0.19180126	3.01E-05	0.160852	0.00048
0.33554	0.034801	0.45309	0.051489	0.26681	0.08575847	0.06407	0.006639	0.88622
3.97E-15	0.127501	0.00579	0.235638	2.59E-07	0.2530605	2.95E-08	0.151897	0.00099
0.01218	0.090395	0.05091	-0.03154	0.4965	-0.0542417	0.24204	-0.05486	0.23668
0.4489	0.038773	0.40318	0.079753	0.08514	0.0194624	0.67485	0.013754	0.76689
0.05933	0.140863	0.00228	0.055348	0.23256	0.13657003	0.0031	0.257348	1.68E-08
0.29492	-0.05074	0.27381	-0.04584	0.32296	0.01032315	0.82393	0.048759	0.29303
0.98473	0.151019	0.00106	0.154986	0.00078	0.07069833	0.1271	0.023472	0.61289
4.68E-07	0.030593	0.50957	0.06953	0.13353	0.06987724	0.13159	0.161391	0.00046
0.54215	0.168387	0.00026	0.116916	0.01146	0.05353412	0.24825	0.065087	0.16024
0.00703	0.246557	6.76E-08	0.233585	3.31E-07	0.46333394	3.14E-26	0.351586	4.92E-15
3.46E-07	-0.10182	0.0278	0.027068	0.55957	0.0943835	0.04148	0.16053	0.0005
1.07E-07	-0.17509	0.00014	-0.11214	0.01533	0.0029292	0.94966	0.01206	0.79491
0.07987	0.002536	0.95641	-0.01161	0.80246	0.0682502	0.14084	0.130784	0.00464
0.00022	-0.10475	0.02359	0.033496	0.47022	0.42784942	3.29E-22	0.322322	9.46E-13
0.00015	-0.08254	0.07476	0.022793	0.62321	0.25832505	1.48E-08	0.301975	2.66E-11
0.0603	-0.00718	0.87702	-0.0947	0.04079	0.11740418	0.01111	0.11781	0.01084

0.00081	0.314826	3.33E-12	0.261747	9.38E-09	0.01251869	0.7873	-0.01771	0.70271
0.00195	0.127589	0.00576	0.13377	0.00378	-0.0233645	0.61452	-0.12253	0.00803
0.01842	0.091517	0.04809	-0.07639	0.09918	-0.2171744	2.17E-06	-0.08301	0.07309
2.09E-07	0.015009	0.74633	-0.06302	0.17395	0.1087427	0.01874	0.21215	3.74E-06
0.25575	0.218255	1.92E-06	0.144376	0.00176	0.07972027	0.08527	0.015778	0.7338
0.34312	-0.014	0.76283	-0.19549	2.10E-05	-0.0884429	0.05615	-0.06867	0.13842
0.83278	0.039709	0.39191	0.016885	0.7159	0.0345115	0.45686	0.062728	0.17597
0.14563	-0.0274	0.55478	-0.01388	0.76482	0.00808697	0.86163	0.020027	0.66599
0.04182	0.061629	0.18368	-0.00152	0.9738	-0.0141257	0.76078	0.019821	0.66921
0.04222	-0.02867	0.53659	0.034688	0.45457	0.2364416	2.35E-07	0.076157	0.10023
0.82852	0.057412	0.21557	0.164872	0.00035	0.23954854	1.61E-07	0.229016	5.66E-07
0.52596	-0.12405	0.00728	-0.06816	0.14135	0.10549966	0.0226	0.242516	1.12E-07
0.11962	0.343688	2.15E-14	0.225575	8.42E-07	0.21955544	1.66E-06	0.204976	8.00E-06
0.01842	0.277104	1.12E-09	0.092007	0.0469	-0.1743966	0.00015	-0.26972	3.16E-09
0.55148	0.095582	0.03895	0.230931	4.52E-07	0.1157578	0.01231	0.098697	0.03298
0.00415	0.322387	9.36E-13	0.286383	2.89E-10	0.06565716	0.1566	0.020682	0.65575
0.00784	0.059785	0.19717	0.053742	0.24642	0.01501405	0.74624	0.029216	0.52882
0.00382	0.06449	0.16412	0.008506	0.85455	-0.0418207	0.3672	0.020665	0.65602
0.21744	0.035582	0.44301	0.065359	0.1585	0.01925068	0.67819	0.037942	0.41334
0.07146	0.026315	0.57054	0.05626	0.22494	0.02350808	0.61235	0.033992	0.46367
0.31912	0.148788	0.00126	-0.00047	0.99197	0.0142905	0.75808	0.097872	0.03448
0.33598	0.115988	0.01213	0.48554	5.38E-29	0.23085343	4.57E-07	0.037821	0.41483
0.13647	0.081336	0.07911	-0.17462	0.00015	-0.1766074	0.00012	-0.26387	7.04E-09
0.40822	0.191651	3.06E-05	0.235369	2.67E-07	0.43178567	1.24E-22	0.248069	5.59E-08
0.29111	0.092343	0.0461	0.008642	0.85225	-0.0202026	0.66323	-0.0402	0.38611
0.45063	0.06774	0.14384	0.210536	4.45E-06	0.21554643	2.59E-06	0.114272	0.01348
0.77484	0.085482	0.06493	0.085766	0.06404	-0.0646749	0.16291	-0.07104	0.12528
0.29347	-0.00876	0.85028	-0.18234	7.40E-05	0.01499548	0.74654	0.110755	0.01665
0.8448	-0.08642	0.06204	-0.11502	0.01288	-0.1169823	0.01141	-0.0759	0.10139
0.34633	-0.18407	6.30E-05	-0.09503	0.0401	-0.1832562	6.79E-05	-0.19248	2.82E-05
0.00568	0.245201	8.02E-08	0.117678	0.01093	-0.0332053	0.47409	-0.06644	0.15169
0.12178	-0.07418	0.10938	-0.28402	4.09E-10	-0.250469	4.11E-08	-0.20044	1.27E-05
0.33091	-0.06243	0.17806	-0.17455	0.00015	-0.0359895	0.4378	-0.01847	0.6905
0.6623	0.064127	0.16651	0.010509	0.82081	0.03944249	0.3951	0.04247	0.35981
0.13037	-0.22918	5.55E-07	0.015125	0.74443	0.4038719	9.49E-20	0.310936	6.31E-12
0.11429	-0.00367	0.93702	-0.0488	0.29262	-0.0436574	0.34652	0.020432	0.65965
0.00034	-0.01484	0.7491	0.023361	0.61458	0.11882817	0.01017	0.228319	6.14E-07
0.03934	-0.21269	3.53E-06	-0.04294	0.35452	0.07684738	0.09718	0.046454	0.31647
0.04965	0.231484	4.24E-07	0.112637	0.01488	0.16848077	0.00025	0.257072	1.75E-08
0.58303	-0.24082	1.38E-07	-0.16479	0.00035	-0.1654309	0.00033	-0.2215	1.34E-06
0.70888	0.14645	0.00151	0.242982	1.06E-07	0.07643076	0.09901	-0.07845	0.09039
0.20407	0.29925	4.07E-11	0.362963	5.47E-16	0.15810707	0.00061	0.106479	0.02137
0.17036	-0.04487	0.33324	-0.30465	1.74E-11	-0.1779428	0.00011	-0.18844	4.17E-05
0.26285	-0.00466	0.91998	-0.04397	0.34305	-0.142845	0.00197	-0.13394	0.00374
0.23156	0.181824	7.76E-05	0.063554	0.17034	0.09302605	0.04451	0.13644	0.00313

0.73961	-0.02145	0.64385	0.093302	0.04388	-0.1019775	0.02755	-0.09775	0.0347
0.19141	0.259535	1.26E-08	-0.10404	0.02455	-0.3716032	9.71E-17	-0.33058	2.27E-13
1.72E-05	-0.03816	0.4107	-0.09693	0.03626	-0.0806078	0.08184	-0.05786	0.21198
0.48015	-0.03749	0.41892	-0.1196	0.00968	0.10110671	0.02891	0.144499	0.00174
0.24742	0.081349	0.07906	0.06884	0.13743	0.02419863	0.60194	0.000492	0.99154
0.19199	0.006427	0.88983	0.022543	0.62702	0.02678565	0.56367	-0.01605	0.72947
0.00619	0.111534	0.01589	-0.02953	0.52436	-0.0073603	0.87396	0.056578	0.22233
0.00712	0.006904	0.88172	-0.06616	0.15347	0.07879814	0.08896	0.080799	0.08112
0.00469	0.108349	0.01918	0.015367	0.74048	-0.003725	0.93601	-0.0187	0.68694
0.0003	-0.0178	0.70129	-0.01392	0.7642	-0.0417868	0.36759	-0.06556	0.15723
9.04E-05	-0.13331	0.0039	-0.28817	2.21E-10	-0.1097469	0.01767	-0.14131	0.00221
0.06118	0.212562	3.58E-06	-0.03251	0.48341	-0.0158563	0.73253	0.103732	0.02498
0.00063	0.066029	0.15426	-0.03196	0.49084	0.00628745	0.89221	0.062965	0.17434
0.38148	0.21067	4.39E-06	0.140473	0.00235	0.09653381	0.03703	0.082252	0.07578
1.58E-05	-0.03327	0.47318	-0.04363	0.34685	-0.0136055	0.76934	-0.01849	0.69022
1.78E-17	0.090161	0.05152	0.201205	1.18E-05	0.25341901	2.81E-08	0.309001	8.64E-12
0.02573	-0.01617	0.72744	0.058832	0.20442	-0.0258951	0.57671	-0.09624	0.03761
7.80E-05	0.101921	0.02764	0.11898	0.01007	0.07885582	0.08872	0.061862	0.18203
0.02925	0.109026	0.01843	0.030931	0.5049	0.01169998	0.80091	0.0815	0.0785
0.75226	0.050219	0.2788	0.02087	0.65282	-0.0278639	0.54808	-0.00118	0.9797
0.63987	-0.01858	0.68873	0.029223	0.52872	0.05163081	0.26549	0.066833	0.1493
0.8708	0.013509	0.77093	-0.04962	0.28458	-0.0372257	0.42222	-0.06157	0.18408
0.13667	0.092483	0.04577	-0.02407	0.60384	0.04896338	0.29101	-0.0408	0.37898
0.79985	-0.05407	0.24354	-0.23595	2.49E-07	-0.4140731	9.01E-21	-0.34733	1.10E-14
6.78E-08	0.135949	0.00324	0.020139	0.66423	-0.0327589	0.48005	-0.14761	0.00138
0.07906	0.092261	0.0463	0.162342	0.00043	0.24284712	1.07E-07	0.086662	0.06131
0.17023	0.071189	0.12448	0.019731	0.67063	0.08898448	0.05465	0.090941	0.04952
0.10431	0.050981	0.27156	-0.01034	0.82368	0.04502282	0.33163	0.117227	0.01124
0.14486	0.044526	0.33699	0.021406	0.64452	0.06696344	0.1485	0.144542	0.00174
0.5585	0.016574	0.72091	-0.0241	0.60349	-0.1302912	0.0048	-0.07368	0.1118
0.05828	-0.22082	1.44E-06	-0.34592	1.42E-14	-0.2019221	1.10E-05	-0.17199	0.00019
0.99494	0.312242	5.10E-12	-0.03228	0.48652	-0.1952323	2.15E-05	-0.24766	5.89E-08
0.00203	0.055469	0.23154	-0.1347	0.00354	-0.0190071	0.68204	0.184142	6.26E-05
0.02711	-0.1487	0.00127	-0.06702	0.14817	-0.0154937	0.73842	0.023905	0.60635
0.16966	0.011502	0.80421	0.050183	0.27915	-0.0532852	0.25046	-0.06471	0.16268
0.77024	0.049425	0.28648	0.013868	0.76502	-0.0138178	0.76584	-0.01824	0.6942
0.54851	0.124416	0.0071	0.099413	0.03172	0.09679136	0.03653	0.027825	0.54863
7.92E-07	-0.07955	0.08593	0.000148	0.99745	0.32531767	5.66E-13	0.362887	5.55E-16
2.26E-10	0.095292	0.03955	0.048501	0.29559	0.0534988	0.24856	0.117918	0.01076
0.00433	0.122068	0.00827	0.118781	0.0102	0.17511973	0.00014	0.081322	0.07916
0.1579	0.202846	9.97E-06	0.275754	1.35E-09	0.10883071	0.01865	-0.06849	0.13947
0.39841	0.091947	0.04705	-0.10225	0.02714	-0.0826774	0.07427	0.011123	0.81054
0.00227	0.194101	2.40E-05	0.037886	0.41403	-0.1057705	0.02225	-0.1184	0.01044
0.69016	0.029795	0.52069	-0.00112	0.98082	0.10091804	0.02921	0.111837	0.01561
0.91889	-0.00368	0.93675	-0.0574	0.21565	-0.0386183	0.40506	0.028632	0.53709



0.20867	0.092738	0.04517	-0.03901	0.40026	0.00962914	0.83559	0.106303	0.02158
0.0256	0.125876	0.00645	0.002759	0.95258	-0.0127689	0.78315	-0.00331	0.94316
4.45E-06	0.166603	0.0003	0.036963	0.42551	0.05151989	0.26652	0.110002	0.01741
0.27519	-0.0566	0.22215	0.053051	0.25255	0.10288594	0.02619	0.070402	0.12871
0.28366	0.1778	0.00011	0.066837	0.14927	0.00900865	0.84605	0.082078	0.0764
0.29648	0.16285	0.00041	0.212867	3.47E-06	0.25082135	3.93E-08	0.154001	0.00084
1.14E-05	-0.09319	0.04413	-0.05768	0.21344	0.05477063	0.23748	0.047983	0.30079
0.43901	-0.0692	0.13536	-0.07548	0.10328	0.0511574	0.26991	0.117198	0.01126
0.20424	0.030789	0.50686	-0.05454	0.23949	0.06628689	0.15266	0.202368	1.05E-05
0.19742	0.14361	0.00186	0.030891	0.50545	0.03559281	0.44287	0.002925	0.94973
0.00507	0.20191	1.10E-05	-0.02833	0.54136	0.3009627	3.12E-11	0.210516	4.46E-06
0.66961	0.128352	0.00547	0.091781	0.04745	0.16813184	0.00026	0.156174	0.00071
3.05E-05	0.069152	0.13566	-0.00464	0.9204	-0.0423395	0.36128	-0.09519	0.03975
0.05521	0.09831	0.03367	0.050797	0.2733	0.00223789	0.96153	-0.01285	0.78182
0.80612	-0.03139	0.4986	0.105992	0.02197	0.1464972	0.0015	0.198513	1.55E-05
1.42E-11	0.000159	0.99727	0.091067	0.04921	0.01801702	0.69777	-0.06622	0.1531
0.60799	-0.00189	0.96759	0.133672	0.0038	-0.0127105	0.78412	-0.06052	0.19174
0.98756	-0.1827	7.15E-05	-0.28509	3.49E-10	-0.2724251	2.16E-09	-0.25991	1.20E-08
0.13165	0.117807	0.01084	0.065788	0.15578	0.06204241	0.18075	0.180645	8.65E-05
0.00818	-0.02543	0.58355	-0.01444	0.75568	0.059178	0.20177	0.07381	0.11117
0.52025	-0.18825	4.24E-05	0.039683	0.39222	0.22126721	1.37E-06	0.186514	5.00E-05
0.00022	0.085737	0.06413	-0.03672	0.42851	-0.083387	0.07181	-0.11134	0.01608
0.09696	0.087478	0.0589	-0.07492	0.1059	0.08681049	0.06086	0.086885	0.06064
0.00035	0.162345	0.00043	0.200913	1.22E-05	-0.0960763	0.03794	-0.08829	0.05657
0.14119	-0.03385	0.46554	0.09966	0.0313	0.13181924	0.00432	0.176913	0.00012
0.83603	0.144075	0.0018	0.190889	3.29E-05	0.06301144	0.17402	0.032522	0.48324
0.34228	0.035918	0.43872	0.004438	0.9238	-0.0073543	0.87406	0.000313	0.99461
0.12414	0.163423	0.00039	0.18343	6.69E-05	-0.0694243	0.13412	-0.143	0.00195
0.77145	0.030406	0.51216	0.031719	0.49411	0.10227958	0.02709	0.00521	0.9106
0.01002	0.104811	0.0235	0.157741	0.00062	0.01588138	0.73212	-0.00121	0.97927
0.32095	-0.04518	0.32992	-0.42555	5.78E-22	-0.372633	7.88E-17	-0.30126	2.97E-11
0.80076	0.175629	0.00014	0.358721	1.25E-15	0.38378365	7.76E-18	0.152445	0.00095
0.07292	0.057874	0.2119	-0.00315	0.94585	0.19124839	3.18E-05	0.011013	0.81237
0.44848	0.101669	0.02803	0.209737	4.85E-06	0.23342566	3.37E-07	-0.01915	0.67974
0.29472	-0.0616	0.18389	0.105424	0.0227	0.26502952	6.02E-09	0.063681	0.16948
0.69145	0.153439	0.00088	0.099804	0.03105	0.04333767	0.35006	0.010854	0.81504
0.12446	-0.15336	0.00088	0.010212	0.82579	0.17169758	0.00019	0.171713	0.00019
0.00027	-0.03631	0.43368	-0.21306	3.40E-06	-0.2801279	7.22E-10	-0.27447	1.62E-09
0.1053	0.241353	1.29E-07	0.303011	2.26E-11	0.30227424	2.53E-11	0.152995	0.00091
0.62912	0.17972	9.41E-05	0.123139	0.00772	0.07169124	0.12184	-0.01955	0.67345
2.43E-05	-0.15541	0.00075	-0.36161	7.14E-16	-0.0134886	0.77126	-0.12691	0.00603
0.08467	-0.06919	0.13545	0.080888	0.08078	0.28681299	2.71E-10	0.225486	8.51E-07
0.00298	0.094759	0.04067	0.038672	0.4044	0.12726647	0.00589	0.176202	0.00013
0.32814	-0.00842	0.85595	-0.04328	0.35066	-0.0818631	0.07718	-0.08319	0.07249
0.71353	0.108719	0.01877	0.012464	0.78821	-0.0332914	0.47294	-0.00053	0.99082

1.36E-05	0.042494	0.35953	0.020448	0.6594	-0.1563555	0.0007	-0.19613	1.97E-05
0.86752	0.043026	0.35354	0.052157	0.26065	-0.011289	0.80776	-0.03011	0.51634
0.00013	-0.08957	0.05309	-0.00955	0.83693	-0.0557328	0.22932	-0.12324	0.00767
0.01203	0.031607	0.49564	0.041849	0.36688	0.11501499	0.01288	0.145577	0.00161
0.69376	0.041747	0.36805	-0.10348	0.02534	-0.2804471	6.89E-10	-0.30616	1.37E-11
0.20166	0.31483	3.33E-12	0.160814	0.00049	-0.1716038	0.00019	-0.15958	0.00054
0.39994	0.272351	2.19E-09	0.193723	2.50E-05	0.26455288	6.42E-09	0.29241	1.17E-10
0.42711	-0.07518	0.10469	-0.09919	0.03211	-0.0593971	0.2001	-0.05963	0.1983
0.67463	-0.03859	0.40535	-0.04705	0.31031	-0.0213912	0.64474	-0.04596	0.3216
0.1786	-0.01404	0.76213	-0.01993	0.6675	0.03370227	0.46749	0.012743	0.78359
0.97481	-0.03464	0.45515	0.018581	0.68879	0.06523748	0.15927	0.073978	0.11036
0.27167	0.004199	0.92789	-0.09715	0.03583	-0.068743	0.13799	-0.08083	0.081
0.00472	0.040525	0.38225	0.342073	2.89E-14	0.25244193	3.19E-08	0.115702	0.01235
3.37E-05	-0.08734	0.0593	0.250464	4.12E-08	0.41328959	1.08E-20	0.229901	5.11E-07
0.2222	-0.15217	0.00097	-0.15984	0.00053	0.08206817	0.07644	0.086567	0.06159
0.41549	-0.10203	0.02748	-0.06806	0.14193	0.02884392	0.53409	0.045982	0.32142
1.07E-11	0.08258	0.07461	0.044959	0.33231	0.06842485	0.13983	0.138146	0.00277
0.00856	0.210734	4.36E-06	0.161004	0.00048	0.2998157	3.73E-11	0.302087	2.61E-11
0.34369	0.069036	0.13632	0.29613	6.61E-11	0.0148031	0.74968	-0.19845	1.56E-05
6.52E-15	0.162439	0.00042	0.156109	0.00071	0.18477069	5.90E-05	0.227697	6.60E-07
0.00469	-0.29332	1.02E-10	0.037334	0.42087	0.48526283	5.85E-29	0.356863	1.80E-15
0.26481	0.121576	0.00854	0.113123	0.01445	-0.0652812	0.15899	-0.12966	0.00501
0.72678	0.094301	0.04166	0.020395	0.66023	0.01203526	0.79533	0.034768	0.45352
6.71E-07	0.04591	0.32218	-0.17199	0.00019	-0.2055728	7.52E-06	-0.19077	3.33E-05
0.13739	0.164925	0.00034	0.098758	0.03287	-0.134098	0.00369	-0.19221	2.90E-05
0.13873	-0.16733	0.00028	-0.10963	0.01779	0.24585333	7.39E-08	0.094985	0.04019
0.02782	-0.18087	8.48E-05	-0.09427	0.04173	0.15778898	0.00062	0.241864	1.21E-07
0.12041	0.283042	4.72E-10	0.264776	6.23E-09	0.02792645	0.54718	0.113821	0.01385
0.34527	-0.05384	0.24556	-0.0619	0.18177	0.12572334	0.00652	0.087323	0.05935
0.00626	0.27645	1.22E-09	0.065411	0.15817	0.07507151	0.10518	0.077953	0.09245
0.02584	0.227887	6.45E-07	0.1513	0.00104	0.06795246	0.14259	0.044652	0.33563
0.01412	-0.16693	0.00029	-0.13515	0.00343	-0.1972713	1.76E-05	-0.29541	7.38E-11
0.007	0.051315	0.26843	-0.0481	0.29963	-0.104511	0.02391	-0.03303	0.47642
0.00517	0.149948	0.00115	0.017874	0.70006	-0.0109658	0.81316	0.084579	0.06783
0.39191	-0.05352	0.24838	-0.03774	0.41581	0.05601749	0.22695	0.070823	0.12644
0.0001	0.008592	0.85308	0.116705	0.01161	-0.0725339	0.11751	0.054798	0.23724
0.31632	-0.23086	4.56E-07	-0.04262	0.35807	-0.0589851	0.20324	-0.1252	0.00675
0.17298	0.178635	0.0001	0.250743	3.97E-08	0.25685684	1.80E-08	0.154674	0.0008
0.51213	0.15696	0.00066	0.121063	0.00882	-0.1089102	0.01856	-0.07755	0.09413
0.0076	0.020144	0.66415	-0.07723	0.09554	-0.0739787	0.11036	-0.1084	0.01912
4.31E-05	0.291096	1.43E-10	0.428995	2.48E-22	0.12680675	0.00607	-0.07554	0.10303
0.55518	0.051327	0.26832	0.034125	0.46193	0.06248291	0.17767	0.198842	1.50E-05
0.26537	-0.08882	0.0551	-0.14064	0.00232	-0.064062	0.16694	-0.0844	0.0684
0.00439	0.337904	6.17E-14	0.430356	1.77E-22	0.1706148	0.00021	0.038785	0.40303
0.00024	-0.17407	0.00016	-0.0919	0.04715	0.0196909	0.67126	-0.05402	0.24401

2.29E-07	-0.04397	0.34303	-0.02676	0.56398	0.06457008	0.16359	0.068466	0.13958
0.39668	-0.22933	5.46E-07	-0.10442	0.02403	0.1401958	0.00239	0.219933	1.60E-06
0.00945	0.145821	0.00158	0.181397	8.07E-05	0.21960746	1.65E-06	0.22861	5.93E-07
1.66E-16	-0.06135	0.18569	-0.03974	0.39148	0.24016021	1.50E-07	0.343649	2.17E-14
0.004	0.029009	0.53175	0.083666	0.07086	-0.0056439	0.90318	-0.01842	0.6913
0.28369	0.059331	0.2006	0.09808	0.03409	0.14373067	0.00185	0.157138	0.00065
0.00166	0.05217	0.26053	0.257602	1.63E-08	0.37946811	1.92E-17	0.279725	7.65E-10
0.58091	-0.06532	0.15872	-0.02421	0.60183	0.24346219	9.96E-08	0.259939	1.19E-08
0.18138	0.078909	0.08851	0.018999	0.68217	-0.0347379	0.45391	-0.02735	0.55543
2.34E-05	-0.13985	0.00245	0.126818	0.00606	0.13480476	0.00352	0.024136	0.60288
0.43203	-0.0926	0.0455	-0.0537	0.24678	0.42154698	1.52E-21	0.3371	7.13E-14
1.73E-07	0.008125	0.86098	0.060323	0.19316	0.0574671	0.21513	0.05806	0.21043
0.00701	0.15602	0.00072	0.155448	0.00075	0.01158059	0.8029	-0.16896	0.00024
0.06968	0.20864	5.45E-06	0.247095	6.32E-08	0.13608537	0.00321	0.168926	0.00025
0.02549	0.025897	0.57669	-0.03465	0.45511	-0.0553081	0.2329	-0.07063	0.12748
6.93E-18	0.114552	0.01325	-0.03177	0.4934	-0.1640281	0.00037	-0.24555	7.67E-08
0.72336	-0.02901	0.53173	-0.1524	0.00095	0.00710044	0.87837	0.074828	0.10632
5.76E-22	-0.06773	0.14391	-0.09611	0.03787	-0.0429752	0.35411	-0.04791	0.30149
0.22154	0.030223	0.51471	-0.01307	0.77819	-0.1854908	5.51E-05	-0.27804	9.75E-10
5.06E-05	0.040974	0.37699	0.091791	0.04742	0.1284313	0.00544	0.062009	0.18098
0.00013	-0.1121	0.01536	0.025887	0.57684	0.12482152	0.00692	0.122865	0.00786
0.7519	-0.17786	0.00011	-0.28528	3.40E-10	-0.1774515	0.00012	-0.28721	2.55E-10
2.76E-07	0.18291	7.02E-05	0.349515	7.28E-15	0.05877683	0.20484	-0.11888	0.01013
0.02972	-0.12066	0.00905	0.22799	6.38E-07	0.18422226	6.21E-05	-0.03718	0.42275
0.48668	-0.19084	3.31E-05	-0.20234	1.05E-05	-0.0681439	0.14146	-0.09831	0.03367
0.05558	0.133323	0.0039	0.06552	0.15747	-0.2097426	4.85E-06	-0.24981	4.48E-08
0.00233	0.132995	0.00399	0.186745	4.90E-05	0.16760525	0.00027	0.101992	0.02753
0.05058	-0.14756	0.00139	-0.08241	0.07523	-0.0132196	0.7757	-0.01808	0.6967
4.07E-14	0.014618	0.7527	0.073545	0.11247	-0.0507831	0.27343	-0.10071	0.02954
0.86428	0.223694	1.04E-06	0.141337	0.0022	0.11976408	0.00958	0.130246	0.00482
9.05E-16	-0.20735	6.24E-06	-0.09686	0.0364	0.08862588	0.05564	0.13361	0.00382
0.75408	-0.02299	0.62021	-0.01866	0.68757	0.11730004	0.01119	0.19385	2.47E-05
0.04539	-0.08897	0.05468	-0.27817	9.58E-10	-0.2886259	2.07E-10	-0.2804	6.95E-10
0.37542	0.031264	0.50032	-0.02072	0.65523	-0.0251626	0.58754	-0.05419	0.24247
0.028	-0.15644	0.00069	-0.13918	0.00257	0.01729265	0.70935	0.163567	0.00039
0.21171	0.162419	0.00043	0.128935	0.00526	-0.2357937	2.54E-07	-0.27891	8.61E-10
0.06009	0.238198	1.90E-07	0.062323	0.17878	-0.0867374	0.06108	0.018107	0.69633
0.01674	0.095654	0.0388	0.230208	4.93E-07	0.16230345	0.00043	0.072379	0.11829
0.01279	0.087694	0.05827	0.245968	7.28E-08	0.1139776	0.01372	0.137194	0.00297
0.08807	0.006499	0.88861	-0.23958	1.61E-07	-0.1826598	7.18E-05	-0.23551	2.63E-07
0.68249	0.177463	0.00012	0.092265	0.04629	0.05746079	0.21518	0.052566	0.25692
0.14791	0.204013	8.84E-06	0.069227	0.13523	-0.0657204	0.1562	-0.07695	0.09674
0.85617	-0.03232	0.48595	0.004292	0.9263	0.03717094	0.4229	-0.02137	0.6451
0.0528	0.109367	0.01807	0.04199	0.36526	0.13342149	0.00387	0.193779	2.48E-05
0.61195	0.11722	0.01124	0.057413	0.21557	0.06528446	0.15897	0.048233	0.29828

0.27775	-0.07517	0.10471	-0.07231	0.11866	0.12895818	0.00525	0.179647	9.48E-05
0.35193	0.03644	0.43209	-0.01422	0.75931	0.02200813	0.63523	0.076455	0.0989
2.66E-09	0.270378	2.88E-09	0.429133	2.40E-22	0.44020638	1.48E-23	0.363045	5.38E-16
0.01091	-0.12772	0.00571	0.025893	0.57675	0.16507607	0.00034	0.175949	0.00013
0.04083	0.14015	0.0024	0.027698	0.55046	-0.0604881	0.19194	-0.14304	0.00194
0.01396	0.075954	0.10114	0.079649	0.08555	0.12523439	0.00673	0.112236	0.01524
8.04E-07	-0.02645	0.56856	-0.07727	0.09533	0.03259558	0.48225	0.084597	0.06777
0.00038	0.193593	2.53E-05	0.070138	0.13015	-0.0077178	0.86789	-0.02401	0.60479
0.70424	0.019711	0.67094	-0.16826	0.00026	-0.1841273	6.26E-05	-0.2282	6.22E-07
0.79161	0.022446	0.62851	-0.0265	0.56782	-0.0672005	0.14707	-0.17197	0.00019
0.95689	0.09149	0.04816	0.223612	1.05E-06	0.34463791	1.81E-14	0.068042	0.14206
2.08E-08	-0.22046	1.50E-06	0.007964	0.86371	0.24719857	6.24E-08	0.120678	0.00904
0.12644	-0.07345	0.11292	-0.08566	0.06439	0.04033662	0.38446	0.042462	0.35989
0.02521	-0.06576	0.15597	0.187363	4.62E-05	-0.1381499	0.00277	-0.20175	1.12E-05
8.31E-09	0.142137	0.00208	0.21746	2.10E-06	0.01388798	0.76469	-0.1054	0.02273
4.82E-05	0.147336	0.00141	0.022981	0.62035	-0.0379018	0.41383	-0.1265	0.00619
0.01301	-0.02523	0.58652	-0.15824	0.0006	-0.1251359	0.00678	-0.09495	0.04026
0.30666	0.019982	0.66669	0.280194	7.15E-10	0.07274066	0.11646	0.035927	0.43861
0.17023	0.319613	1.50E-12	0.294711	8.22E-11	0.2193306	1.71E-06	0.261081	1.03E-08
0.18003	-0.05363	0.24741	-0.00311	0.94657	0.10672234	0.02107	0.121988	0.00832
0.98327	0.11745	0.01108	0.020531	0.6581	-0.0441287	0.34133	0.025642	0.58044
0.00906	0.21912	1.75E-06	0.198224	1.60E-05	0.40108494	1.78E-19	0.370863	1.13E-16
0.60583	-0.20262	1.02E-05	-0.12356	0.00751	-0.064472	0.16424	-0.12936	0.00511
0.27585	0.240117	1.50E-07	-0.03419	0.46106	-0.0168389	0.71665	-0.10163	0.02809
2.01E-05	0.16064	0.00049	0.085199	0.06583	0.34171665	3.09E-14	0.361397	7.44E-16
2.56E-05	0.060058	0.19513	0.14495	0.00169	-0.2256338	8.37E-07	-0.14544	0.00163
0.38469	0.102607	0.0266	0.080481	0.08232	0.03590246	0.43891	0.014691	0.75152
0.68176	-0.04869	0.29371	-0.15889	0.00057	0.05765294	0.21365	0.074437	0.10816
0.82792	0.012732	0.78377	-0.09958	0.03143	-0.0476376	0.30429	0.013364	0.77332
0.00458	-0.15513	0.00077	-0.12732	0.00586	-0.1052228	0.02296	-0.11675	0.01157
0.04109	-0.20957	4.93E-06	-0.07176	0.12146	0.12612172	0.00635	0.066046	0.15416
0.72373	0.228836	5.78E-07	0.108997	0.01847	0.12067178	0.00905	0.174679	0.00015
4.13E-05	-0.18562	5.45E-05	0.008234	0.85915	-0.0517266	0.2646	-0.15278	0.00093
0.0284	-0.05134	0.26819	-0.0477	0.30363	0.03776583	0.41551	0.017453	0.70678
2.58E-08	0.181859	7.73E-05	0.124359	0.00713	0.0424054	0.36054	-0.00851	0.85451
0.69938	0.004916	0.91562	-0.04489	0.33311	0.04299577	0.35388	0.025096	0.58853
0.00019	0.084672	0.06753	0.077071	0.09621	0.15255979	0.00094	0.148767	0.00126
0.43144	-0.04863	0.29435	0.000102	0.99825	0.01744449	0.70692	-0.0335	0.47024
0.96845	0.142725	0.00199	0.134802	0.00352	0.07839841	0.09059	0.079542	0.08597
0.11617	0.235693	2.57E-07	0.196907	1.82E-05	0.08788818	0.05771	0.01131	0.80741
0.60144	0.138701	0.00267	0.175404	0.00014	0.24712182	6.30E-08	0.287179	2.56E-10
0.34199	-0.07425	0.10904	-0.00739	0.87347	0.09485409	0.04047	0.151568	0.00102
0.81481	-0.00317	0.94547	0.02199	0.63551	0.00605799	0.89612	0.020795	0.65398
0.2046	0.114232	0.01351	0.356629	1.88E-15	-0.0960556	0.03798	-0.16982	0.00023
0.07029	-0.06857	0.13896	0.103759	0.02494	0.29474384	8.18E-11	0.314659	3.42E-12

0.63267	-0.15628	0.0007	-0.07929	0.08697	0.21200184	3.81E-06	0.167431	0.00028
0.00083	-0.0753	0.10412	-0.03306	0.47598	0.05847547	0.20718	-0.00923	0.84238
0.06942	0.065652	0.15663	0.026899	0.56203	0.09470151	0.04079	0.010488	0.82117
2.11E-11	-0.03763	0.41718	0.115698	0.01235	0.11244968	0.01505	-0.00372	0.9361
0.0001	-0.04705	0.31031	-0.17933	9.75E-05	-0.1791316	9.93E-05	-0.23913	1.70E-07
5.08E-19	0.046019	0.32104	0.004535	0.92214	0.04795122	0.30111	0.039769	0.3912
0.80815	0.111225	0.01619	0.013443	0.77202	-0.0083416	0.85732	-0.01515	0.74398
0.00507	0.074177	0.1094	0.124191	0.00721	0.08767431	0.05833	0.076967	0.09666
2.09E-10	0.112642	0.01487	-0.0213	0.64619	-0.0286946	0.53621	0.112968	0.01458
0.0547	0.007416	0.87302	-0.09325	0.044	-0.2630514	7.87E-09	-0.26394	6.97E-09
0.08136	0.057885	0.21181	0.20048	1.27E-05	0.00848265	0.85494	-0.10898	0.01849
4.07E-10	-0.00018	0.9969	0.033132	0.47507	0.03314502	0.47489	-0.06279	0.17557
0.00907	0.06884	0.13743	0.237	2.20E-07	0.33429187	1.18E-13	0.359204	1.14E-15
0.08253	0.122526	0.00803	0.064868	0.16165	0.07275046	0.11641	0.182551	7.25E-05
0.00079	0.252404	3.21E-08	0.09953	0.03152	0.0997095	0.03121	0.120537	0.00912
0.44948	0.20519	7.82E-06	0.232667	3.69E-07	0.0753305	0.10398	-0.06873	0.13804
0.64606	-0.14522	0.00165	-0.17965	9.47E-05	-0.184568	6.01E-05	-0.16929	0.00024
4.99E-07	-0.14995	0.00115	-0.17098	0.00021	-0.0728231	0.11605	-0.03437	0.45874
5.51E-05	0.050665	0.27454	0.006981	0.8804	0.05164834	0.26533	0.014059	0.76188
0.68892	-0.08702	0.06023	-0.15567	0.00074	-0.0735034	0.11267	-0.0421	0.36399
1.77E-24	0.025404	0.58397	-0.01103	0.81201	0.0447582	0.33448	0.104549	0.02385
3.90E-05	-0.16379	0.00038	-0.13209	0.00424	0.10031409	0.0302	0.096556	0.03699
0.83778	0.091609	0.04787	0.046105	0.32013	0.06345403	0.17101	0.096202	0.03769
0.45243	0.037174	0.42286	0.064745	0.16245	0.02733433	0.55571	0.023278	0.61584
0.08587	-0.22239	1.21E-06	0.083212	0.07241	0.30721658	1.15E-11	0.138251	0.00275
7.70E-09	0.092969	0.04464	0.153053	0.00091	0.10286932	0.02622	0.07824	0.09125
0.9772	0.103211	0.02572	0.118534	0.01036	0.02529258	0.58562	0.031405	0.4984
0.32342	-0.0501	0.27994	-0.07134	0.12369	-0.0648081	0.16204	0.01668	0.71921
1.32E-09	0.073827	0.11109	0.080634	0.08174	-0.0197675	0.67005	0.003735	0.93585
0.00122	-0.02621	0.57201	0.036286	0.43403	-0.0587758	0.20485	-0.03319	0.47435
0.00613	0.122748	0.00792	0.279641	7.75E-10	0.37622522	3.77E-17	0.289707	1.76E-10
0.27616	-0.12	0.00944	0.021589	0.64169	-0.0083406	0.85734	-0.07112	0.12487
0.32267	-0.0057	0.90228	-0.0624	0.17825	-0.06771	0.14402	-0.0239	0.60642
6.06E-06	0.075532	0.10306	0.046254	0.31857	0.02774953	0.54972	0.018988	0.68234
0.32702	0.047831	0.30232	-0.17061	0.00021	-0.0851099	0.06611	-0.00025	0.99574
0.09952	-0.12416	0.00723	-0.11256	0.01494	0.08449321	0.06811	0.19266	2.77E-05
0.34939	0.336611	7.78E-14	0.298758	4.40E-11	0.17745278	0.00012	0.074592	0.10742
4.88E-05	-0.19403	2.42E-05	-0.07396	0.11046	-0.0949512	0.04026	-0.2103	4.57E-06
0.07596	0.023437	0.61343	-0.10818	0.01937	-0.1997817	1.36E-05	-0.24501	8.20E-08
0.92198	0.032023	0.48997	0.002574	0.95575	0.07302392	0.11504	0.143545	0.00187
0.07611	-0.06894	0.13686	-0.2014	1.16E-05	-0.0966382	0.03683	-0.09083	0.0498
0.4615	0.288781	2.02E-10	0.333772	1.29E-13	0.14748803	0.00139	0.152912	0.00092
0.05403	0.007187	0.8769	-0.13663	0.00309	-0.0805668	0.082	-0.00862	0.85267
0.00363	0.276916	1.15E-09	0.155119	0.00077	0.05392961	0.24477	-0.1028	0.02632
0.5505	0.197682	1.68E-05	0.445109	4.18E-24	0.23427832	3.04E-07	0.012507	0.78749

0.40494	-0.14423	0.00178	-0.17855	0.0001	-0.2573871	1.67E-08	-0.20408	8.78E-06
0.00032	0.029609	0.5233	0.167587	0.00028	-0.1243683	0.00713	-0.16952	0.00023
0.67545	0.074858	0.10617	0.004236	0.92725	0.20982418	4.80E-06	0.225609	8.39E-07
6.01E-05	0.008194	0.85982	-0.04909	0.28973	0.04668796	0.31404	-0.02886	0.53387
0.90116	0.108483	0.01903	0.047203	0.30872	0.08976221	0.05256	0.156579	0.00068
1.19E-10	0.143641	0.00186	0.092575	0.04555	0.08091918	0.08066	0.097407	0.03535
6.58E-05	0.286615	2.79E-10	0.229499	5.35E-07	0.0743933	0.10837	0.000254	0.99563
0.6607	0.260639	1.09E-08	0.144827	0.0017	0.21591628	2.49E-06	0.18466	5.96E-05
5.23E-07	-0.0832	0.07245	-0.06012	0.19466	0.02711176	0.55893	0.09934	0.03185
0.89686	0.088313	0.05651	0.024959	0.59057	-0.0027145	0.95335	0.048797	0.29266
0.96742	0.113236	0.01435	0.04035	0.38431	0.01216758	0.79313	0.040483	0.38273
0.62699	-0.04686	0.31231	0.009652	0.83521	-0.1263846	0.00624	-0.24681	6.55E-08
0.62927	-0.09527	0.03958	-0.05766	0.21357	0.04586531	0.32265	0.023759	0.60856
0.05955	0.02725	0.55692	0.033157	0.47473	0.05183686	0.26359	0.002929	0.94967
0.03154	-0.14388	0.00183	-0.04144	0.37158	0.07832816	0.09088	0.017867	0.70016
2.81E-12	-0.23036	4.84E-07	-0.12886	0.00529	-0.0107198	0.81728	-0.0195	0.67424
0.36888	0.024543	0.59678	0.031553	0.49638	0.05095194	0.27184	0.047256	0.30819
0.83675	-0.02172	0.6396	-0.01554	0.73759	0.01514105	0.74417	0.014774	0.75016
0.0293	-0.01516	0.74381	-0.01014	0.82692	0.04098543	0.37686	0.008671	0.85175
0.67013	0.308379	9.56E-12	0.184667	5.96E-05	0.21372898	3.16E-06	0.094833	0.04051
8.69E-09	0.044201	0.34054	-0.05249	0.25765	0.01858645	0.6887	0.054978	0.2357
0.48414	0.021053	0.64999	-0.01701	0.71393	-0.0151219	0.74448	0.018968	0.68266
3.03E-20	-0.05437	0.2409	-0.04691	0.31175	0.04928747	0.28783	0.088939	0.05478
0.22324	-0.07583	0.10172	-0.0439	0.34384	0.03593983	0.43844	0.065581	0.15709
0.00152	0.204564	8.35E-06	0.072195	0.11923	0.11648802	0.01176	0.069931	0.13129
0.34921	0.095909	0.03828	0.045074	0.33108	0.01974437	0.67042	-0.00082	0.98593
0.27454	0.101687	0.028	0.341211	3.39E-14	0.34731071	1.10E-14	0.21271	3.53E-06
0.0268	0.252228	3.28E-08	0.133815	0.00377	0.27038001	2.88E-09	0.251228	3.73E-08
0.3164	0.045858	0.32273	-0.094	0.04231	-0.0416346	0.36934	0.027719	0.55016
0.69039	-0.02725	0.55698	-0.00896	0.84686	-0.0091582	0.84353	0.027531	0.55287
0.52464	0.009066	0.84508	-0.10096	0.02914	-0.1064213	0.02144	-0.08539	0.06521
0.9053	0.122331	0.00813	0.087837	0.05786	-0.0005374	0.99076	-0.01874	0.68619
0.57206	-0.0645	0.16403	-0.08889	0.05492	-0.0741154	0.1097	-0.04915	0.28921
0.42355	-0.02003	0.66591	-0.02382	0.60763	0.02275074	0.62386	0.013691	0.76792
0.0008	-0.1512	0.00105	-0.13668	0.00308	0.11179708	0.01565	0.086306	0.06238
0.92535	-0.18594	5.28E-05	-0.26285	8.08E-09	-0.3266744	4.48E-13	-0.26871	3.63E-09
0.24264	-0.12409	0.00726	-0.16138	0.00046	-0.0943829	0.04148	-0.07139	0.1234
0.97433	0.001561	0.97316	-0.06477	0.1623	0.10915821	0.01829	0.180452	8.80E-05
0.08761	0.131498	0.00442	0.144787	0.00171	0.12618645	0.00632	0.12917	0.00518
3.19E-08	0.152566	0.00094	0.055943	0.22757	-0.0206631	0.65604	-0.0059	0.8989
0.01088	0.026273	0.57116	-0.06013	0.19463	-0.0154954	0.73839	0.001165	0.97997
0.23356	-0.00342	0.94116	-0.16329	0.0004	-0.1519928	0.00098	-0.16591	0.00032
0.00068	0.172559	0.00018	0.14817	0.00132	0.14439341	0.00176	0.146077	0.00155
0.01933	0.020326	0.6613	-0.06198	0.18122	-0.1462812	0.00153	-0.03491	0.45169
0.06816	0.300025	3.61E-11	0.03232	0.48596	-0.0655887	0.15704	-0.01757	0.70494

0.00035	0.193017	2.67E-05	0.04673	0.3136	-0.0600649	0.19508	-0.05643	0.22358
0.01176	0.125258	0.00672	0.121728	0.00846	-0.0537318	0.2465	-0.09875	0.03288
0.13068	0.146498	0.0015	0.099271	0.03197	-0.0620106	0.18098	-0.10894	0.01852
0.04474	0.217453	2.10E-06	0.246208	7.06E-08	-0.1213384	0.00867	-0.21969	1.64E-06
0.06755	-0.29494	7.93E-11	-0.42816	3.05E-22	-0.2745946	1.59E-09	-0.18583	5.34E-05
0.23545	0.264028	6.89E-09	-0.00245	0.95787	-0.0995769	0.03144	-0.02665	0.56562
0.90147	0.144943	0.00169	-0.04102	0.37646	-0.0927647	0.04511	-0.12806	0.00558
0.00176	0.147192	0.00142	0.01024	0.82533	-0.0274733	0.5537	0.043773	0.34524
0.783	0.339317	4.78E-14	0.473785	1.66E-27	0.04111222	0.37538	-0.06103	0.18795
0.36438	0.232411	3.80E-07	0.165667	0.00032	0.07925894	0.0871	0.019316	0.67716
0.47689	-0.1029	0.02618	-0.23964	1.59E-07	-0.2198643	1.61E-06	-0.19413	2.40E-05
0.44658	-0.19417	2.39E-05	-0.06675	0.14982	0.00732016	0.87464	0.03843	0.40736
0.03152	0.229479	5.36E-07	0.06732	0.14635	-0.0194755	0.67465	-0.01122	0.80886
0.80344	0.097745	0.03471	0.327415	3.94E-13	0.29782369	5.09E-11	0.3115	5.75E-12
0.62102	0.037977	0.41291	0.066851	0.14919	-0.0141194	0.76088	0.042933	0.35458
0.00065	-0.26857	3.70E-09	-0.09818	0.03391	0.10196439	0.02757	0.05979	0.19714
0.19514	0.186615	4.96E-05	0.276345	1.24E-09	0.07783962	0.09292	-0.08461	0.06774
0.56666	0.050512	0.276	0.157555	0.00063	0.31532857	3.06E-12	0.327182	4.10E-13
3.00E-06	0.107561	0.02008	0.038989	0.40056	-0.1532123	0.00089	-0.19827	1.59E-05
0.56971	-0.01719	0.71092	-0.10469	0.02367	-0.1443265	0.00177	-0.12347	0.00756
0.62148	-0.18078	8.54E-05	0.008029	0.86262	0.01633566	0.72477	-0.01513	0.74435
0.83875	-0.05078	0.27345	0.009696	0.83448	-0.226418	7.65E-07	-0.27974	7.63E-10
9.61E-10	-0.0132	0.77597	0.056572	0.22238	-0.0063529	0.89109	0.032449	0.48422
0.40781	0.099849	0.03098	-0.06812	0.14158	-0.0432399	0.35115	-0.073	0.11514
0.00257	0.10451	0.02391	0.079041	0.08797	0.0542852	0.24167	0.013131	0.77717
7.03E-07	0.189085	3.92E-05	0.043756	0.34543	-0.0949141	0.04034	-0.03686	0.42679
2.83E-10	0.035044	0.44994	-0.00917	0.84328	-0.3131055	4.42E-12	-0.34612	1.37E-14
4.70E-13	0.039416	0.39542	-0.09701	0.0361	-0.1797962	9.35E-05	-0.22212	1.25E-06
0.24841	0.318255	1.88E-12	0.142692	0.00199	0.08765535	0.05838	-0.11559	0.01243
0.75261	0.04392	0.34362	0.316334	2.59E-12	0.11674108	0.01158	-0.06308	0.17352
0.67777	-0.03228	0.48656	-0.05657	0.22238	-0.2527256	3.08E-08	-0.34247	2.69E-14
0.0953	0.071766	0.12145	-0.02117	0.64822	-0.2628989	8.03E-09	-0.27775	1.02E-09
0.00047	0.241472	1.27E-07	0.074705	0.10689	-0.0754451	0.10345	-0.10479	0.02353
0.02626	-0.034	0.4635	-0.00304	0.94775	0.15565797	0.00074	0.149704	0.00118
4.67E-10	0.072957	0.11537	-0.06036	0.1929	-0.042434	0.36021	-0.08832	0.05649
0.00748	0.132431	0.00415	-0.13103	0.00456	-0.0703389	0.12905	-0.03005	0.5171
0.94044	0.141952	0.00211	0.40346	1.04E-19	0.30086841	3.16E-11	0.205153	7.85E-06
0.00494	0.226938	7.20E-07	0.141424	0.00219	0.29333726	1.01E-10	0.252535	3.15E-08
0.90113	0.046152	0.31964	-0.14907	0.00123	-0.1501633	0.00113	-0.1059	0.02209
9.04E-05	-0.06733	0.14629	-0.02765	0.55112	-0.0487699	0.29292	-0.08893	0.05479
0.34617	0.032551	0.48284	-0.1455	0.00162	-0.1607883	0.00049	-0.11669	0.01161
0.99103	0.030798	0.50673	-0.03573	0.44109	-0.0495963	0.28481	-0.02224	0.63169
0.00527	-0.00968	0.83479	-0.10957	0.01786	0.03897164	0.40077	0.07692	0.09686
0.20459	0.068708	0.13819	0.037962	0.4131	-0.0182058	0.69476	-0.03611	0.43633
0.00174	0.246583	6.74E-08	0.083461	0.07156	-0.0790353	0.088	-0.09601	0.03809

0.80151	-0.13013	0.00485	-0.33078	2.19E-13	-0.1432063	0.00192	0.040116	0.38707
2.73E-09	-0.1479	0.00135	-0.12567	0.00654	-0.0711675	0.12459	-0.13379	0.00377
0.20476	-0.15315	0.0009	-0.10338	0.02547	-0.1325247	0.00412	-0.07779	0.09315
0.93224	0.077739	0.09335	-0.01018	0.82641	-0.0604041	0.19256	-0.08582	0.06388
0.05249	-0.15715	0.00065	-0.07833	0.0909	0.18898084	3.96E-05	0.189527	3.75E-05
0.22733	-0.15105	0.00106	-0.12972	0.00499	-0.1243027	0.00716	-0.12513	0.00678
1.58E-12	0.163407	0.00039	0.1268	0.00607	-0.1058483	0.02215	-0.10259	0.02662
0.05125	-0.03058	0.50975	-0.00321	0.94478	-0.0200555	0.66553	0.020646	0.65631
0.95066	0.070702	0.12709	0.083464	0.07155	0.02459363	0.59602	0.005529	0.90514
0.71129	0.050222	0.27877	0.051296	0.26861	-0.1339271	0.00374	-0.20159	1.13E-05
1.62E-09	0.167055	0.00029	0.277672	1.03E-09	0.46640463	1.34E-26	0.35317	3.65E-15
0.65732	-0.13283	0.00403	0.086505	0.06178	0.19844305	1.56E-05	0.07121	0.12437
0.0036	-0.09037	0.05099	-0.07383	0.1111	0.12018734	0.00933	0.056154	0.22582
0.0393	-0.13648	0.00312	-0.12506	0.00681	0.11307404	0.01449	0.179328	9.76E-05
0.54588	0.028766	0.5352	-0.05553	0.23103	-0.0650563	0.16044	-0.0383	0.40893
0.80615	-0.2422	1.16E-07	-0.29436	8.68E-11	-0.1440893	0.0018	-0.19242	2.84E-05
0.17828	0.030929	0.50493	-0.09821	0.03386	-0.0819367	0.07691	-0.14822	0.00132
0.91228	0.08757	0.05863	0.057874	0.2119	0.10191128	0.02765	0.154601	0.0008
0.05511	0.094932	0.0403	0.099851	0.03097	0.06692492	0.14874	-0.00743	0.87283
0.6166	0.038598	0.4053	-0.16576	0.00032	-0.052081	0.26134	0.03413	0.46186
0.00577	0.235476	2.64E-07	0.143011	0.00195	0.03496659	0.45095	-0.03283	0.47916
0.88571	0.08294	0.07335	-0.00024	0.9958	-0.0581934	0.20938	-0.02383	0.60756
1.29E-05	0.085867	0.06373	-0.09777	0.03467	-0.2621577	8.87E-09	-0.34286	2.50E-14
0.01324	-0.08034	0.08286	-0.18675	4.89E-05	-0.1446282	0.00173	-0.04548	0.32679
0.93185	0.077279	0.09531	0.017745	0.70211	-0.0459176	0.3221	0.039846	0.39028
3.77E-06	0.224852	9.15E-07	0.087507	0.05881	0.09747149	0.03523	0.235155	2.74E-07
0.3386	-0.03677	0.42793	-0.04805	0.30009	-0.0446509	0.33564	-0.02639	0.56945
0.16194	0.28717	2.57E-10	0.114498	0.01329	0.07838976	0.09063	0.170778	0.00021
0.78291	-0.23248	3.77E-07	0.042261	0.36217	0.26056122	1.10E-08	0.201957	1.09E-05
0.28328	-0.24146	1.27E-07	0.044135	0.34126	0.2435651	9.83E-08	0.168238	0.00026
0.9307	-0.2806	6.74E-10	-0.21111	4.19E-06	-0.0754339	0.10351	-0.08479	0.06714
0.74653	-0.10815	0.0194	-0.12657	0.00616	0.03738589	0.42022	0.13961	0.0025
0.78421	-0.08402	0.06966	-0.10296	0.02609	0.05070538	0.27417	0.192667	2.77E-05
0.00786	-0.10152	0.02825	-0.05879	0.20477	0.15091282	0.00107	0.226649	7.45E-07
0.97035	0.037651	0.41693	-0.05559	0.23048	-0.1305542	0.00472	-0.13909	0.00259
0.05142	0.064312	0.16529	-0.00418	0.92827	-0.086207	0.06268	-0.09567	0.03876
0.1386	-0.11684	0.01151	-0.19637	1.92E-05	-0.1182843	0.01052	-0.09851	0.03331
0.27273	0.136024	0.00323	0.016695	0.71897	0.03780278	0.41506	0.095803	0.0385
0.01584	0.028596	0.5376	-0.03098	0.50428	-0.0092345	0.84224	-0.009	0.84618
1.80E-09	-0.04159	0.36983	-0.07603	0.1008	0.09660251	0.0369	0.16522	0.00034
1.06E-06	-0.07879	0.08897	-0.06366	0.16963	-0.0086886	0.85145	0.080296	0.08303
0.00019	0.196742	1.85E-05	0.05249	0.25761	0.08494858	0.06663	-0.09537	0.03938
0.66502	0.062452	0.17788	0.001784	0.96932	0.02800208	0.54609	0.054379	0.24085
0.38998	-0.12307	0.00775	-0.22704	7.12E-07	-0.0831305	0.07269	0.078343	0.09082
1.11E-12	-0.10527	0.0229	-0.1257	0.00653	-0.2084979	5.53E-06	-0.2103	4.57E-06



0.87069	-0.0056	0.90401	-0.12292	0.00783	-0.0543191	0.24137	-0.01965	0.67198
0.8466	-0.18301	6.95E-05	-0.22195	1.27E-06	-0.1769891	0.00012	-0.10125	0.02868
0.39449	-0.0121	0.79429	-0.12458	0.00703	-0.1189956	0.01006	-0.07209	0.11978
0.84999	-0.07163	0.12214	-0.03462	0.45547	0.17489927	0.00015	0.140765	0.0023
0.02305	-0.07228	0.11881	0.056548	0.22257	0.05720587	0.21723	-0.12056	0.00911
0.79965	0.096707	0.03669	-0.01989	0.66819	-0.0557704	0.22901	-0.12825	0.00551
0.00033	0.214519	2.90E-06	0.020483	0.65885	-0.0230269	0.61965	0.026028	0.57475
0.70601	0.157745	0.00062	0.227859	6.47E-07	-0.0386704	0.40442	-0.04828	0.29778
0.00164	-0.10525	0.02293	0.00478	0.91794	0.18109622	8.30E-05	0.245345	7.87E-08
0.03015	-0.10904	0.01842	-0.10583	0.02218	-0.0965724	0.03696	-0.01661	0.72038
0.95398	-0.04032	0.38466	-0.03831	0.40882	-0.0073013	0.87496	-0.00374	0.93577
0.09438	-0.2656	5.57E-09	-0.18964	3.71E-05	0.03046027	0.51141	0.075242	0.10439
0.66852	0.159295	0.00055	0.136173	0.00319	0.11428631	0.01346	0.151452	0.00103
0.01393	0.3049	1.67E-11	0.218973	1.78E-06	0.15385837	0.00085	0.175014	0.00014
0.53914	-0.09488	0.04041	-0.0213	0.64617	-0.0031964	0.94508	-0.01377	0.76658
0.10288	0.15499	0.00078	0.142804	0.00198	-0.0064861	0.88882	-0.07232	0.11858
0.01245	0.01828	0.69358	0.099958	0.03079	0.50949587	3.24E-32	0.362202	6.35E-16
0.02837	0.087767	0.05806	0.134942	0.00348	0.09289793	0.0448	0.079097	0.08775
0.10142	-0.12314	0.00772	-0.19659	1.88E-05	-0.1168201	0.01152	-0.10323	0.0257
0.06322	0.184508	6.04E-05	0.084516	0.06804	0.0035802	0.93849	-0.02755	0.5526
0.15057	0.12358	0.0075	-0.08709	0.06004	-0.2030588	9.75E-06	-0.19812	1.61E-05
0.29995	0.164675	0.00035	0.108785	0.0187	0.07662837	0.09814	0.044723	0.33487
0.4502	-0.1878	4.43E-05	-0.21638	2.36E-06	0.15569754	0.00073	0.213591	3.20E-06
0.30391	-0.04782	0.30241	-0.12576	0.00651	-0.1405006	0.00234	-0.17544	0.00014
3.23E-11	-0.04997	0.2812	-0.18925	3.85E-05	-0.111992	0.01546	-0.12998	0.0049
0.00147	0.099485	0.0316	0.038278	0.40921	0.02818933	0.54341	0.053563	0.248
0.00283	-0.10806	0.0195	-0.17669	0.00012	0.02165309	0.64069	-0.05215	0.26068
0.12963	-0.19054	3.40E-05	-0.14759	0.00138	0.15119442	0.00105	0.101798	0.02783
0.0331	-0.00135	0.97684	0.004118	0.92928	-0.0068321	0.88294	-0.02381	0.60785
0.53065	0.04054	0.38207	-0.0712	0.12443	-0.0368602	0.42679	-0.03694	0.42584
0.58724	0.199793	1.36E-05	0.165581	0.00033	0.10597853	0.02199	0.060357	0.19291
2.31E-06	0.136585	0.0031	0.163752	0.00038	0.14416225	0.00179	0.103397	0.02545
0.32785	0.079106	0.08771	-0.00105	0.98188	-0.0554892	0.23137	-0.06869	0.13827
0.16319	0.004404	0.92438	-0.05366	0.24713	0.00195137	0.96645	0.005673	0.90268
3.82E-23	0.009506	0.83767	-0.00175	0.96984	0.18663387	4.95E-05	0.257489	1.65E-08
0.33251	-0.03312	0.47521	-0.04273	0.35683	-0.033877	0.46519	-0.00633	0.89156
4.73E-06	-0.04234	0.36123	-0.12599	0.00641	0.0325707	0.48258	0.099188	0.03211
0.02023	0.154901	0.00078	0.018879	0.68407	-0.0280268	0.54574	0.075128	0.10492
0.78764	0.220822	1.44E-06	0.075891	0.10142	0.03076538	0.50719	0.075973	0.10105
0.04957	0.103875	0.02478	0.134862	0.0035	-0.0181801	0.69517	-0.04394	0.34339
0.12842	0.21313	3.37E-06	0.105408	0.02272	0.00787857	0.86516	0.026349	0.57005
0.60558	0.216654	2.29E-06	0.110817	0.01659	0.06798124	0.14242	0.098885	0.03264
0.22947	0.167028	0.00029	0.12943	0.00509	0.03594402	0.43838	-0.00767	0.86862
0.03081	0.016741	0.71822	-0.25235	3.23E-08	-0.2795138	7.89E-10	-0.3341	1.22E-13
0.8347	0.01112	0.81058	0.029517	0.52458	-0.0101474	0.82688	-0.09479	0.0406

0.8256	0.103097	0.02589	0.078683	0.08942	0.20040756	1.28E-05	0.242591	1.11E-07
0.00033	-0.1579	0.00062	-0.08366	0.07087	0.08506387	0.06626	0.094121	0.04205
0.96944	0.131052	0.00456	0.022899	0.62159	-0.0704838	0.12827	-0.12361	0.00749
0.05988	0.300641	3.28E-11	0.196842	1.83E-05	0.00108499	0.98134	-0.09916	0.03216
9.94E-16	0.065285	0.15897	-0.01328	0.77471	0.1054788	0.02263	0.18853	4.13E-05
0.13638	-0.09418	0.04193	0.006195	0.89378	0.11098785	0.01642	0.061591	0.18395
0.43975	0.203952	8.90E-06	0.131202	0.00451	0.10741245	0.02025	0.064768	0.1623
0.22373	0.029053	0.53112	0.023145	0.61785	-0.0874128	0.05909	-0.12997	0.00491
0.17145	0.174915	0.00015	0.435763	4.59E-23	0.4470932	2.49E-24	0.368313	1.89E-16
0.36989	0.157754	0.00062	-0.02353	0.61206	-0.0781005	0.09183	-0.24008	1.51E-07
0.60999	-0.11106	0.01635	-0.27565	1.37E-09	-0.1325436	0.00411	-0.16615	0.00031
0.06164	0.05503	0.23525	-0.0129	0.78106	0.00489646	0.91595	0.019187	0.6792
0.03443	0.005871	0.8993	-0.09109	0.04915	0.00215891	0.96289	0.039114	0.39905
0.00063	-0.06123	0.18657	0.00493	0.91539	0.22297928	1.13E-06	0.119255	0.0099
0.41195	-0.14505	0.00167	-0.15359	0.00087	-0.0695385	0.13348	-0.09564	0.03884
1.87E-06	-0.10775	0.01986	-0.12521	0.00675	-0.0564457	0.22341	-0.01705	0.71329
0.96559	-0.06136	0.18563	-0.1902	3.52E-05	-0.131831	0.00432	-0.13733	0.00294
0.30875	-0.15955	0.00054	0.059715	0.19769	0.22203907	1.26E-06	0.101868	0.02772
0.62544	0.0625	0.17755	-0.06758	0.14478	0.03189505	0.49171	0.004455	0.92351
0.24138	-0.31013	7.20E-12	-0.20819	5.71E-06	0.06766437	0.14429	0.185802	5.35E-05
0.00152	-0.00012	0.99787	-0.12337	0.00761	-0.0652079	0.15946	-0.09138	0.04842
0.69435	0.114734	0.0131	0.047331	0.30741	-0.0224096	0.62907	-0.06172	0.18302
0.53981	0.092488	0.04576	0.096624	0.03686	0.03551201	0.44391	0.032143	0.48836
0.04826	0.297978	4.97E-11	0.13635	0.00315	0.31035231	6.94E-12	0.22022	1.54E-06
0.51078	-0.02228	0.63099	-0.01375	0.76703	0.0741581	0.10949	0.091232	0.0488
0.04532	-0.0142	0.75953	0.073056	0.11488	0.23960033	1.60E-07	0.159647	0.00053
0.30166	0.095237	0.03966	0.120041	0.00942	0.14514941	0.00166	0.149338	0.00121
0.67798	0.10475	0.02358	0.009045	0.84544	0.0352013	0.44791	0.055031	0.23525
0.00025	-0.0583	0.20851	-0.04531	0.32855	0.36365323	4.77E-16	0.3508	5.71E-15
0.00014	0.00504	0.9135	-0.20664	6.73E-06	-0.3332277	1.42E-13	-0.35109	5.41E-15
0.00448	-0.18525	5.64E-05	-0.37923	2.02E-17	-0.2263308	7.72E-07	-0.12062	0.00908
0.00188	0.111739	0.0157	-0.0808	0.08112	-0.0168222	0.71692	0.006041	0.89641
0.23847	0.114824	0.01303	0.067267	0.14667	0.05623281	0.22517	0.068308	0.1405
0.0007	-0.06464	0.16315	0.018661	0.68752	0.1142841	0.01347	0.03028	0.51391
1.03E-06	0.227166	7.01E-07	0.339301	4.79E-14	0.05287689	0.25411	-0.01442	0.75592
0.02165	-0.24536	7.86E-08	-0.07822	0.09133	-0.2468171	6.54E-08	-0.27995	7.41E-10
0.01318	0.19639	1.92E-05	0.186809	4.87E-05	0.23751552	2.06E-07	0.135908	0.00325
0.96222	-0.02358	0.61126	0.103819	0.02486	0.27238452	2.18E-09	0.144445	0.00175
0.78569	0.25119	3.75E-08	0.036874	0.42663	0.01777668	0.7016	-0.12022	0.00931
0.00093	-0.18539	5.56E-05	-0.10461	0.02377	0.0483533	0.29707	-0.05517	0.2341
0.2037	-0.21449	2.91E-06	0.057247	0.2169	0.11900597	0.01005	-0.00327	0.94389
3.52E-05	0.213274	3.32E-06	0.175373	0.00014	0.00020777	0.99643	0.073068	0.11482
0.7618	-0.03192	0.49143	0.007722	0.86783	0.04059473	0.38143	0.188623	4.09E-05
0.78596	-0.17104	0.0002	-0.22928	5.49E-07	-0.169856	0.00023	-0.22284	1.15E-06
0.00795	0.115233	0.01271	0.241835	1.22E-07	0.10593255	0.02205	0.113916	0.01377

0.01717	0.121549	0.00855	0.052776	0.25503	0.01501565	0.74621	0.033384	0.47171
0.38572	-0.10206	0.02743	-0.21291	3.45E-06	-0.3130779	4.44E-12	-0.37933	1.98E-17
0.95984	0.134267	0.00365	0.064613	0.16331	-0.0533698	0.24971	-0.10408	0.02449
0.45404	0.217904	2.00E-06	0.105027	0.02322	0.15710689	0.00066	0.089576	0.05306
0.16378	0.155814	0.00073	0.011837	0.79863	0.02086688	0.65287	-0.01897	0.68259
0.03158	0.089487	0.05329	0.058681	0.20559	0.09325974	0.04397	0.222091	1.25E-06
0.15906	-0.07955	0.08596	-0.23149	4.24E-07	-0.1640557	0.00037	-0.07816	0.09159
0.4196	-0.11408	0.01363	-0.09256	0.04558	-0.0031935	0.94513	0.052938	0.25356
0.78795	0.062305	0.17891	-0.02607	0.57413	-0.2527891	3.05E-08	-0.32396	7.16E-13
0.10567	0.174246	0.00015	0.161301	0.00047	0.10226813	0.02711	0.08964	0.05289
0.04134	0.022978	0.6204	-0.01671	0.7188	-0.1318783	0.00431	-0.1623	0.00043
1.13E-08	-0.14115	0.00223	-0.10294	0.02611	-0.2207882	1.45E-06	-0.13512	0.00344
0.00012	0.074632	0.10724	0.213055	3.40E-06	0.11271026	0.01481	0.062048	0.18071
8.78E-13	-0.27155	2.45E-09	-0.24332	1.01E-07	0.18406428	6.30E-05	0.049283	0.28787
0.4739	0.146741	0.00147	0.133679	0.0038	-0.0135153	0.77082	-0.04575	0.32387
0.00503	0.14265	0.002	0.077948	0.09247	0.0871313	0.05991	0.04534	0.32823
0.60611	-0.0236	0.61103	-0.03683	0.42714	-0.0819968	0.07669	-0.03426	0.4602
0.06559	-0.16199	0.00044	-0.08538	0.06526	-0.0200662	0.66537	-0.06282	0.17532
0.27748	-0.16239	0.00043	-0.09598	0.03814	-0.0782938	0.09103	-0.05267	0.25594
0.92623	0.02774	0.54986	0.065999	0.15445	0.07084184	0.12633	0.052137	0.26083
1.67E-05	0.147869	0.00135	-0.0218	0.63849	0.0398785	0.38989	0.165261	0.00034
0.12407	0.259569	1.25E-08	0.078307	0.09097	0.14940591	0.0012	0.240084	1.51E-07
5.27E-08	0.003361	0.94225	0.085532	0.06478	0.20024672	1.30E-05	0.189973	3.60E-05
0.04366	-0.02147	0.64351	0.137164	0.00298	0.07534557	0.10391	-0.08039	0.08267
0.1761	0.193876	2.46E-05	0.071961	0.12044	0.01999977	0.66641	-0.00081	0.98599
0.84705	0.257379	1.68E-08	0.228089	6.30E-07	0.15632601	0.0007	0.150177	0.00113
0.12341	-0.10742	0.02023	0.089488	0.05329	0.05422073	0.24223	-0.08645	0.06193
0.29778	-0.11796	0.01073	-0.06907	0.13612	0.08346937	0.07153	0.146117	0.00154
0.33911	-0.00378	0.93499	-0.01804	0.69745	-0.0569416	0.21937	-0.07246	0.1179
0.38816	-0.08083	0.08101	-0.01627	0.72585	0.052532	0.25723	0.025853	0.57733
0.44019	-0.11513	0.01278	-0.03633	0.43345	0.07510609	0.10502	0.066091	0.15388
0.00741	-0.20985	4.79E-06	-0.11858	0.01033	0.026628	0.56597	-0.00284	0.95127
0.01382	0.220529	1.49E-06	0.408981	2.95E-20	0.36099884	8.05E-16	0.226463	7.61E-07
0.17203	0.095957	0.03818	0.300713	3.24E-11	-0.1692363	0.00024	-0.28471	3.70E-10
0.00175	-0.25462	2.41E-08	-0.06877	0.13783	0.10838314	0.01914	0.185232	5.65E-05
0.00098	-0.09298	0.04461	-0.03673	0.42848	0.0893399	0.05369	0.237917	1.97E-07
0.00013	-0.0099	0.83098	-0.15561	0.00074	-0.1717012	0.00019	0.020473	0.65901
0.38316	0.003189	0.94521	-0.07295	0.11539	-0.0372699	0.42167	-0.04198	0.3654
0.43405	0.102564	0.02667	0.04386	0.34428	-0.0313796	0.49874	0.047842	0.30222
0.05985	-0.31458	3.47E-12	-0.10959	0.01783	-0.0908069	0.04986	-0.12037	0.00922
0.52718	-0.25408	2.58E-08	-0.30526	1.58E-11	-0.2274968	6.75E-07	-0.27178	2.37E-09
0.13505	0.248825	5.07E-08	0.108591	0.01891	0.15136162	0.00103	0.073163	0.11435
0.93244	-0.13081	0.00463	0.153021	0.00091	0.23814865	1.91E-07	0.094873	0.04043
0.00787	-0.0529	0.25389	0.293014	1.07E-10	0.35387733	3.19E-15	0.30658	1.28E-11
0.64339	0.171336	0.0002	0.060259	0.19364	0.08144005	0.07872	0.13977	0.00247

0.22656	-0.04188	0.36649	-0.03255	0.48284	0.07788185	0.09275	0.127579	0.00576
0.07082	-0.02916	0.5296	-0.07573	0.10215	-0.2248311	9.17E-07	-0.24725	6.19E-08
2.73E-07	0.065009	0.16074	0.01057	0.8198	0.04796624	0.30096	-0.03001	0.51761
0.0752	0.077094	0.09611	0.005253	0.90987	0.01489931	0.74811	0.039445	0.39506
0.00068	0.258838	1.38E-08	0.084045	0.06959	-0.0197749	0.66994	0.034957	0.45107
0.17532	-0.01688	0.71598	-0.08063	0.08175	-0.0048058	0.91751	0.094233	0.0418
1.92E-13	0.10986	0.01755	0.147942	0.00135	0.2123525	3.66E-06	0.258086	1.53E-08
0.8503	0.069707	0.13254	0.068357	0.14022	0.08622214	0.06264	0.078013	0.0922
4.07E-07	-0.15355	0.00087	-0.04692	0.31167	0.02455363	0.59662	-0.03091	0.50514
0.06131	-0.12958	0.00504	-0.18912	3.90E-05	-0.0642004	0.16602	0.036601	0.43005
0.01075	0.175581	0.00014	0.240011	1.52E-07	0.28593774	3.08E-10	0.224345	9.70E-07
0.84444	-0.18143	8.05E-05	-0.07998	0.08427	0.04631461	0.31793	0.026194	0.57232
0.00072	0.238252	1.89E-07	0.1356	0.00332	0.12361503	0.00749	0.173863	0.00016
0.00071	-0.07572	0.10221	-0.18006	9.13E-05	-0.0710648	0.12514	-0.10009	0.03057
0.16128	0.075198	0.10459	0.017803	0.70119	0.05927971	0.20099	0.045478	0.32676
0.13004	-0.13279	0.00404	0.134426	0.00361	0.18827258	4.23E-05	-0.01945	0.67504
0.39031	0.090671	0.05021	-0.07627	0.09974	-0.0938545	0.04264	-0.16467	0.00035
0.52293	0.252347	3.23E-08	0.370755	1.15E-16	0.31179158	5.49E-12	0.116023	0.01211
0.24532	0.075075	0.10516	3.37E-05	0.99942	0.16327153	0.0004	0.054654	0.23848
0.08746	0.136046	0.00322	-0.01349	0.77123	0.04382439	0.34467	0.042647	0.35781
2.70E-07	0.206404	6.89E-06	0.099756	0.03114	0.029695	0.52208	-0.00199	0.96584
0.00056	-0.13405	0.00371	-0.12852	0.00541	-0.0642427	0.16574	-0.07169	0.12185
0.01507	0.108628	0.01887	-0.02518	0.58733	0.06604723	0.15415	0.178823	0.0001
7.11E-06	0.194802	2.24E-05	0.162564	0.00042	-0.0023584	0.95946	-0.08366	0.07089
0.09159	0.071326	0.12376	-0.08186	0.07719	-0.002668	0.95415	-0.03139	0.49866
0.83658	-0.0529	0.25389	-0.09086	0.04973	-0.0748304	0.1063	-0.08359	0.07113
0.66782	-0.02527	0.58597	-0.03713	0.42341	-0.0225057	0.6276	0.019054	0.68129
0.40309	0.021479	0.64339	0.014357	0.75699	-0.0073188	0.87466	0.006641	0.8862
0.8858	-0.10415	0.0244	-0.26133	9.92E-09	-0.1784678	0.00011	-0.22875	5.84E-07
0.44197	-0.02582	0.5778	-0.08012	0.0837	-0.0065626	0.88752	-0.02753	0.55288
0.37444	-0.05314	0.2518	0.03773	0.41596	0.12562863	0.00656	0.084817	0.06705
0.1612	-0.05441	0.24061	0.052755	0.25521	0.12443243	0.0071	0.109563	0.01786
0.00786	-0.0886	0.05571	-0.03286	0.47869	0.0611848	0.18687	0.043051	0.35326
4.49E-08	0.105396	0.02273	0.170329	0.00022	0.04458253	0.33638	-0.02832	0.54148
1.59E-09	-0.01462	0.75275	-0.04595	0.32171	-0.1694676	0.00023	-0.18356	6.61E-05
0.08083	-0.26811	3.95E-09	-0.27474	1.56E-09	-0.199808	1.36E-05	-0.16789	0.00027
0.0365	0.022213	0.63208	0.046577	0.31519	0.02306023	0.61914	-0.00531	0.90881
0.62023	-0.00968	0.83477	-0.06575	0.15602	-0.0470827	0.30996	-0.09273	0.0452
0.86435	-0.06691	0.14886	-0.10904	0.01842	-0.0780716	0.09195	-0.12354	0.00752
2.48E-05	0.198615	1.53E-05	0.02235	0.62999	-0.0099704	0.82985	0.016355	0.72445
0.00823	-0.00044	0.99243	-0.03288	0.47846	-0.0528427	0.25442	-0.08135	0.07905
0.63051	0.051803	0.2639	0.012268	0.79146	-0.0809664	0.08048	-0.1281	0.00556
0.1707	0.211147	4.17E-06	0.293278	1.02E-10	0.09227568	0.04626	0.010218	0.8257
0.18825	0.27393	1.75E-09	0.171492	0.0002	0.23085576	4.56E-07	0.112516	0.01499
0.16504	0.106113	0.02182	-0.02792	0.54722	0.05145576	0.26712	0.105449	0.02267

2.47E-07	0.095948	0.0382	0.101713	0.02796	-0.0176703	0.7033	-0.08881	0.05513
0.66637	0.116737	0.01158	-0.04114	0.37511	-0.1638878	0.00038	-0.13116	0.00452
0.21798	-0.16503	0.00034	-0.22076	1.45E-06	-0.2182692	1.92E-06	-0.26306	7.86E-09
0.70943	-0.12218	0.00821	-0.06457	0.16357	-0.0618686	0.18198	-0.05723	0.21704
0.47573	-0.08591	0.0636	-0.05507	0.23495	-0.0306022	0.50945	0.005455	0.9064
4.93E-09	-0.26392	6.99E-09	-0.11401	0.01369	0.0868054	0.06088	0.1522	0.00097
1.81E-05	-0.10037	0.03011	-0.1283	0.00549	-0.1616074	0.00045	-0.07552	0.1031
1.63E-12	-0.12884	0.00529	-0.09154	0.04803	-0.0489843	0.29081	0.005869	0.89935
0.74964	0.025515	0.58232	-0.09001	0.05192	-0.0413913	0.37215	0.126365	0.00625
1.40E-12	-0.06972	0.13248	-0.13157	0.0044	-0.0748945	0.106	0.034415	0.45812
0.01845	-0.06544	0.15801	-0.13744	0.00292	-0.0684592	0.13963	-0.01999	0.66661
0.99549	0.030039	0.51728	0.00197	0.96614	-0.0313886	0.49862	-0.00261	0.95509
0.71939	0.026755	0.56413	-0.09761	0.03497	-0.0488783	0.29185	-0.07943	0.0864
0.90291	0.061982	0.18118	-0.04056	0.38179	-0.0865279	0.06171	-0.09824	0.03381
0.46338	0.151339	0.00104	0.087471	0.05892	-0.1232227	0.00768	-0.15145	0.00103
0.76288	-0.04842	0.29639	-0.05165	0.26528	0.01782031	0.70091	-0.01809	0.69657
0.45511	-0.07277	0.11631	-0.06986	0.13169	-0.0205331	0.65807	-0.03869	0.40421
1.83E-05	0.040954	0.37722	0.100751	0.02948	-0.0165183	0.72182	-0.04749	0.30574
0.49382	0.072917	0.11558	0.085461	0.065	0.10970244	0.01772	0.152565	0.00094
0.95422	-0.09562	0.03886	0.005718	0.90192	0.07693363	0.0968	0.076843	0.0972
0.87196	-0.01289	0.78122	-0.0834	0.07178	-0.0803435	0.08285	-0.06441	0.16462
0.00179	-0.19638	1.92E-05	-0.13915	0.00258	0.01556886	0.7372	0.107445	0.02021
0.93455	0.059515	0.1992	0.062914	0.17469	-0.0136975	0.76782	-0.01973	0.67066
0.88146	0.035724	0.4412	0.257709	1.61E-08	0.23257119	3.73E-07	0.035593	0.44287
0.40256	0.190536	3.41E-05	0.25532	2.20E-08	0.12574824	0.00651	0.096436	0.03723
0.21767	0.271509	2.46E-09	0.366427	2.75E-16	0.26287238	8.06E-09	0.22695	7.19E-07
0.05118	0.025429	0.58359	-0.20363	9.19E-06	-0.3854384	5.46E-18	-0.25588	2.04E-08
0.00862	0.225922	8.10E-07	0.136265	0.00317	0.03402258	0.46327	-0.07111	0.12489
0.91988	0.078057	0.09201	-0.00896	0.84694	0.14234119	0.00205	0.178789	0.0001
0.73552	0.048599	0.29462	0.048397	0.29664	0.076715	0.09776	0.101658	0.02805
0.73177	-0.08807	0.05718	0.028064	0.5452	-0.0530715	0.25237	-0.19505	2.19E-05
0.37333	-0.06148	0.18476	0.060673	0.19059	0.39334546	9.90E-19	0.300969	3.11E-11
0.88132	0.008611	0.85277	-0.11899	0.01006	-0.073495	0.11271	-0.07543	0.10351
0.01772	0.143137	0.00193	-0.03381	0.46608	0.23419134	3.08E-07	0.152018	0.00098
1.16E-13	-0.0376	0.41755	0.08481	0.06708	0.1207551	0.009	0.087222	0.05964
0.15134	-0.0392	0.39804	-0.03813	0.411	0.00891075	0.8477	-0.01559	0.73678
0.24259	-0.2237	1.04E-06	-0.19162	3.07E-05	-0.1811361	8.27E-05	-0.14522	0.00165
0.0062	0.065443	0.15796	-0.13733	0.00294	0.05608092	0.22642	0.060137	0.19454
0.7539	0.050693	0.27428	-0.00082	0.98585	0.08998587	0.05197	0.18219	7.50E-05
0.0039	0.044987	0.33202	0.436066	4.25E-23	0.07075322	0.12681	-0.15591	0.00072
0.14762	0.2563	1.93E-08	0.153023	0.00091	-0.0056147	0.90368	0.024569	0.59638
0.01211	0.005706	0.90213	-0.02713	0.55869	-0.0215585	0.64215	-0.05973	0.19757
0.70079	0.12423	0.00719	0.076158	0.10022	0.16420133	0.00037	0.193321	2.60E-05
0.16412	-0.01112	0.81066	-0.07193	0.12059	0.00873988	0.85059	-0.02679	0.56361
0.04985	-0.10281	0.02631	-0.14113	0.00224	0.01617513	0.72736	0.075456	0.1034

3.71E-17	-0.00796	0.86382	0.042384	0.36077	0.15580985	0.00073	0.221174	1.39E-06
2.07E-16	0.104118	0.02444	0.054959	0.23586	0.06023889	0.19378	0.05814	0.2098
0.01134	-0.16376	0.00038	-0.43517	5.33E-23	-0.2115967	3.97E-06	-0.27791	9.94E-10
3.95E-11	-0.00313	0.94618	-0.02467	0.59484	0.03658784	0.43022	0.021064	0.64982
0.15434	-0.11059	0.01681	0.013317	0.7741	0.08156137	0.07828	0.053018	0.25284
0.01763	-0.05538	0.23229	-0.10402	0.02458	0.11520857	0.01273	0.150723	0.00109
0.14931	0.128011	0.0056	0.126746	0.00609	0.20880727	5.35E-06	0.200264	1.30E-05
0.96775	0.128722	0.00534	0.119774	0.00958	0.10012243	0.03052	0.130755	0.00465
0.94614	0.180959	8.40E-05	0.129952	0.00491	0.14859311	0.00128	0.08507	0.06624
9.96E-12	0.177995	0.00011	0.121162	0.00877	0.16447916	0.00036	0.182275	7.44E-05
0.2898	0.127251	0.00589	0.136343	0.00315	0.16404222	0.00037	0.109102	0.01835
0.07065	-0.01783	0.7007	-0.08772	0.05819	-0.0200968	0.66489	-0.02095	0.65161
0.06025	-0.09785	0.03451	-0.0798	0.08494	-0.0153571	0.74064	-0.05338	0.24963
0.56572	-0.17566	0.00014	-0.04523	0.32938	0.11673961	0.01158	0.070429	0.12856
0.00339	-0.02062	0.6567	-0.01505	0.7456	-0.0063787	0.89065	-0.01859	0.68871
0.0182	0.150452	0.00111	0.05076	0.27365	-0.0892639	0.05389	-0.16087	0.00048
2.10E-09	-0.00363	0.93763	0.166426	0.0003	0.24910287	4.90E-08	0.142993	0.00195
5.56E-09	-0.0175	0.70595	0.070573	0.12778	0.28614154	2.99E-10	0.350075	6.55E-15
0.49975	-0.00575	0.9013	0.059052	0.20273	0.12012563	0.00937	0.123101	0.00774
0.83696	-0.24253	1.12E-07	-0.04364	0.34674	0.30591367	1.42E-11	0.283154	4.65E-10
0.89078	-0.11842	0.01043	0.0946	0.04101	0.10968577	0.01773	0.087423	0.05906
0.40019	-0.06488	0.16156	0.011564	0.80317	-0.069387	0.13433	-0.10614	0.02179
0.88962	0.048322	0.29739	0.190362	3.46E-05	0.2028456	9.97E-06	0.280694	6.65E-10
0.01388	0.224214	9.84E-07	0.135811	0.00328	0.07724059	0.09547	0.071343	0.12367
0.53968	0.233027	3.53E-07	0.404614	8.02E-20	0.1846479	5.97E-05	0.090797	0.04989
0.7269	-0.06003	0.19535	-0.13603	0.00323	-0.0970099	0.03611	-0.09899	0.03245
0.21855	0.03831	0.40882	0.098113	0.03403	0.00905092	0.84534	-0.03492	0.4516
3.92E-08	0.222962	1.13E-06	0.306023	1.40E-11	0.08954078	0.05315	0.09735	0.03546
0.20443	-0.09782	0.03457	0.124745	0.00695	0.10913972	0.01831	-0.04268	0.35742
0.019	0.114826	0.01303	0.061754	0.18279	-0.0693027	0.1348	-0.17563	0.00014
0.00091	0.228825	5.79E-07	0.102907	0.02616	-0.1942918	2.36E-05	-0.27265	2.10E-09
7.35E-05	0.228575	5.96E-07	0.060468	0.19209	-0.2456678	7.56E-08	-0.29346	9.95E-11
0.07205	-0.17074	0.00021	-0.10494	0.02333	-0.0024634	0.95766	0.051004	0.27134
0.58878	0.03908	0.39946	-0.06924	0.13514	-0.0836911	0.07078	-0.05496	0.23586
0.00508	-0.06415	0.16635	-0.03974	0.39158	0.04493092	0.33262	0.118096	0.01064
1.25E-06	0.009619	0.83577	-0.09922	0.03205	0.11841486	0.01043	0.115224	0.01272
0.04669	0.255037	2.28E-08	0.168561	0.00025	0.20077739	1.23E-05	0.256261	1.94E-08
0.1681	-0.03788	0.41411	-0.162	0.00044	-0.142567	0.00201	-0.12458	0.00703
3.04E-05	0.198518	1.55E-05	0.115183	0.01275	0.0102515	0.82513	-0.01765	0.70361
0.05751	-0.01577	0.73392	0.055676	0.2298	0.17959264	9.52E-05	0.261724	9.41E-09
0.23847	-0.15346	0.00088	-0.05027	0.27833	0.03705399	0.42436	0.017444	0.70693
0.67245	0.052438	0.25808	-0.06483	0.16189	-0.0642575	0.16565	-0.10733	0.02035
1.60E-07	0.184746	5.91E-05	0.109724	0.01769	0.01793104	0.69914	0.082919	0.07342
5.08E-06	0.055548	0.23088	0.06698	0.1484	0.07674803	0.09761	0.094126	0.04204
0.02012	0.169508	0.00023	0.027284	0.55644	-0.0313043	0.49978	-0.00588	0.89924

3.08E-10	-0.09611	0.03788	-0.05947	0.19955	0.00769105	0.86834	-0.02599	0.57533
0.00767	0.045732	0.32406	0.051564	0.26611	0.11550395	0.0125	0.106007	0.02195
0.181	0.110597	0.0168	-0.05189	0.26311	-0.050411	0.27697	0.037137	0.42332
0.57482	-0.07731	0.09519	-0.03361	0.46874	0.03212622	0.48858	0.110391	0.01701
0.00206	0.202483	1.03E-05	0.112183	0.01529	0.02006977	0.66531	-0.03644	0.43209
0.48723	0.009732	0.83385	-0.14523	0.00165	-0.1596957	0.00053	-0.16054	0.0005
0.00642	0.117605	0.01098	0.045403	0.32756	-0.0548242	0.23702	-0.06051	0.19181
0.97821	0.044544	0.33681	-0.06122	0.1866	-0.0935544	0.04331	-0.11453	0.01326
6.38E-07	0.007602	0.86985	-0.01949	0.67441	0.0140836	0.76147	0.040947	0.37731
0.5913	0.150165	0.00113	0.044961	0.3323	-0.0153397	0.74093	0.031179	0.50149
6.16E-06	-0.00485	0.9167	-0.00696	0.88072	0.02197932	0.63567	0.042416	0.36041
0.31618	-0.06578	0.15583	-0.21257	3.58E-06	-0.1014659	0.02834	-0.10072	0.02953
0.83309	-0.06028	0.19351	-0.04326	0.35092	-0.0592222	0.20143	-0.20112	1.19E-05
1.13E-06	-0.08224	0.07583	-0.00853	0.85415	0.14064667	0.00232	0.181788	7.79E-05
0.05708	0.190145	3.54E-05	-0.09899	0.03246	0.1241155	0.00725	0.053462	0.24889
0.04562	-0.084	0.06973	-0.16167	0.00045	0.07614093	0.1003	-0.02178	0.63872
0.12151	-0.06863	0.13866	-0.18576	5.37E-05	-0.1272388	0.0059	-0.05141	0.26755
0.2179	0.041001	0.37668	-0.05772	0.21315	-0.0171176	0.71216	-0.02164	0.64084
0.18589	0.07511	0.105	0.037103	0.42375	-0.113169	0.01441	-0.12629	0.00628
0.20526	0.140956	0.00226	0.042209	0.36277	-0.1148869	0.01298	-0.14879	0.00126
0.47065	0.176497	0.00013	0.264515	6.45E-09	0.40604192	5.79E-20	0.120082	0.00939
0.67953	0.008516	0.85437	0.008851	0.84871	-0.0010188	0.98248	-0.05896	0.20346
0.03731	-0.09067	0.05022	0.156672	0.00068	0.42741173	3.67E-22	0.31873	1.74E-12
0.00897	0.214112	3.03E-06	0.211132	4.18E-06	0.36313087	5.29E-16	0.275629	1.38E-09
0.76748	0.18939	3.80E-05	0.067673	0.14424	0.20430306	8.58E-06	0.158528	0.00059
0.20385	0.082333	0.07549	0.031397	0.4985	0.07744831	0.09458	0.130381	0.00477
0.00029	-0.04066	0.38068	0.001067	0.98165	-0.1510343	0.00106	-0.15495	0.00078
0.00485	0.107215	0.02048	0.168825	0.00025	0.12118677	0.00875	0.128688	0.00535
0.3853	-0.00851	0.85455	0.025353	0.58472	0.09948402	0.0316	0.016372	0.72417
0.55713	-0.13223	0.0042	-0.28694	2.66E-10	-0.261308	9.95E-09	-0.23832	1.87E-07
0.0016	0.14356	0.00187	0.019792	0.66967	-0.1426558	0.002	-0.16749	0.00028
1.99E-06	0.172657	0.00018	0.20461	8.31E-06	0.25367835	2.72E-08	0.24383	9.51E-08
0.18002	-0.17393	0.00016	-0.20358	9.24E-06	-0.0580594	0.21044	0.051555	0.26619
0.32472	0.094081	0.04214	0.060182	0.1942	0.10222673	0.02717	0.094209	0.04186
0.02262	0.094909	0.04035	-0.00572	0.90181	-0.0566994	0.22134	-0.02974	0.52145
0.04967	0.013094	0.77778	-0.01075	0.8168	0.10176896	0.02787	0.198758	1.51E-05
0.00307	-0.02343	0.61357	0.003289	0.94349	0.19639604	1.92E-05	0.166438	0.0003
0.00066	-0.13499	0.00347	-0.00337	0.94204	0.32100403	1.18E-12	0.34661	1.25E-14
4.90E-12	0.106083	0.02186	0.059253	0.2012	0.06120515	0.18672	0.065091	0.16021
0.16032	0.023776	0.6083	-0.00681	0.88329	0.09447656	0.04128	0.155346	0.00076
0.10021	0.024284	0.60066	0.033074	0.47584	-0.0482189	0.29842	-0.12352	0.00753
0.77701	0.017735	0.70227	0.035689	0.44164	0.07478404	0.10652	0.071484	0.12292
0.36297	0.022933	0.62107	-0.05458	0.23909	0.03840191	0.4077	0.10639	0.02148
0.00049	0.157429	0.00064	0.081708	0.07774	0.01192998	0.79708	0.065566	0.15718
9.00E-08	0.107996	0.01958	-0.02848	0.53933	0.00797936	0.86346	0.076755	0.09758

0.36724	0.131547	0.00441	0.164382	0.00036	0.09102736	0.04931	-0.0653	0.15888
3.54E-06	0.328323	3.37E-13	0.163502	0.00039	-0.0189407	0.68309	0.004581	0.92136
0.31476	-0.02464	0.59532	0.128808	0.00531	0.39271774	1.14E-18	0.32974	2.63E-13
0.73115	0.170644	0.00021	0.083987	0.06978	0.08642622	0.06202	0.139075	0.00259
0.00092	0.267015	4.59E-09	0.071335	0.12371	0.06261069	0.17678	0.050586	0.2753
2.14E-05	-0.01258	0.78622	0.022148	0.63308	0.00187473	0.96777	0.034946	0.45121
0.00064	-0.10905	0.01841	-0.02545	0.58332	0.10442538	0.02402	0.10378	0.02491
0.29002	0.074371	0.10848	0.10864	0.01885	0.16799994	0.00027	0.060013	0.19547
0.20853	0.050235	0.27864	-0.06556	0.1572	0.01084939	0.81511	0.107656	0.01996
0.42987	0.090516	0.0506	-0.02131	0.64599	-0.0053083	0.90891	0.042579	0.35857
2.61E-08	0.172649	0.00018	0.080603	0.08186	-0.0618306	0.18225	-0.06143	0.18509
0.00716	0.230969	4.50E-07	0.106415	0.02145	0.10183669	0.02777	0.163294	0.0004
0.17728	0.293098	1.05E-10	0.172429	0.00018	-0.0173463	0.70849	-0.07135	0.12365
0.01062	-0.29016	1.64E-10	-0.42932	2.29E-22	-0.1331103	0.00396	-0.08893	0.0548
0.17365	0.089856	0.05232	0.064559	0.16367	0.0555293	0.23103	0.011908	0.79745
0.01345	-0.00283	0.95129	-0.1692	0.00024	-0.0621215	0.1802	0.054918	0.23622
0.01166	-0.0247	0.5944	-0.12698	0.006	-0.0083853	0.85658	0.097533	0.03511
0.0944	0.004795	0.91768	-0.11375	0.01391	0.00433007	0.92565	-0.01313	0.77723
0.48957	-0.0141	0.76119	0.034194	0.46101	0.09135744	0.04849	0.105638	0.02242
0.00122	0.231431	4.27E-07	0.066381	0.15208	0.00036084	0.99379	0.063331	0.17185
0.73977	0.175897	0.00013	-0.02173	0.63947	-0.0673788	0.146	-0.09439	0.04145
0.0003	0.189844	3.64E-05	0.152388	0.00095	0.06684555	0.14922	0.044687	0.33525
0.00174	-0.00932	0.84086	-0.0709	0.12602	-0.0251464	0.58779	0.039848	0.39025
6.86E-08	-0.18322	6.82E-05	-0.16479	0.00035	-0.0686166	0.13872	-0.11183	0.01561
2.18E-15	-0.09961	0.03138	-0.06731	0.14642	0.01077139	0.81642	0.033273	0.47319
0.84704	0.045306	0.3286	0.069892	0.13151	0.06567869	0.15647	0.107056	0.02067
0.49739	0.101216	0.02874	0.014683	0.75164	-0.0235249	0.6121	-0.07182	0.12119
0.02955	0.288989	1.96E-10	0.320482	1.29E-12	0.01393288	0.76395	-0.02269	0.62483
0.11994	0.232848	3.61E-07	0.072599	0.11718	-0.0602197	0.19393	-0.1549	0.00078
5.04E-05	0.051774	0.26417	-0.13578	0.00328	-0.1690905	0.00024	-0.18524	5.64E-05
0.39992	-0.11865	0.01028	-0.04328	0.35067	-0.1644224	0.00036	-0.24879	5.10E-08
0.6852	0.125188	0.00675	-0.09694	0.03623	-0.1527629	0.00093	-0.23151	4.23E-07
0.00568	0.077407	0.09476	-0.03857	0.40563	-0.0779005	0.09267	-0.11595	0.01216
0.50771	-0.00548	0.90606	-0.10905	0.01841	-0.0675843	0.14477	-0.07901	0.0881
0.04014	0.17621	0.00013	0.06588	0.1552	-0.0429014	0.35494	-0.01558	0.73698
0.07902	0.093493	0.04345	0.019601	0.67267	0.00163715	0.97185	0.000914	0.98429
1.45E-07	0.097114	0.03591	0.070273	0.12942	0.11384217	0.01383	0.183542	6.62E-05
0.93695	0.021801	0.63841	-0.00651	0.88843	0.04455365	0.3367	0.018219	0.69454
0.00079	0.116523	0.01174	0.032505	0.48346	-0.0205958	0.65709	-0.02733	0.55573
0.66276	0.072404	0.11816	0.022252	0.63148	0.05182699	0.26368	0.040585	0.38154
6.83E-10	-0.01675	0.71811	-0.05889	0.20397	-0.0789506	0.08834	-0.14451	0.00174
0.62159	0.143643	0.00186	0.080969	0.08047	0.03742697	0.41971	0.097865	0.03449
3.72E-07	-0.0217	0.64003	-0.10957	0.01786	0.02980406	0.52056	0.009564	0.83668
1.90E-05	-0.01305	0.77843	-0.11499	0.0129	-0.0593628	0.20036	0.037853	0.41443
0.43831	-0.27887	8.66E-10	-0.29607	6.67E-11	-0.1080194	0.01955	-0.19104	3.24E-05



3.85E-15	0.180343	8.89E-05	0.14667	0.00148	0.0804882	0.08229	0.048492	0.29568
0.73754	-0.09723	0.03569	-0.14753	0.00139	-0.1783493	0.00011	-0.15679	0.00067
0.27383	0.084995	0.06648	0.027703	0.55038	0.08410454	0.06939	0.068638	0.13859
0.25932	0.111204	0.01621	0.041971	0.36548	0.06877296	0.13782	0.135176	0.00342
0.01372	-0.07477	0.10659	-0.17562	0.00014	-0.2243903	9.65E-07	-0.319	1.66E-12
0.80376	-0.12887	0.00529	-0.19371	2.50E-05	-0.0585136	0.20688	-0.02563	0.5806
0.02185	-0.01246	0.78819	0.034001	0.46355	0.10135351	0.02852	0.137048	0.003
0.0048	0.100972	0.02913	0.098443	0.03343	0.10646451	0.02139	0.136976	0.00302
0.00345	0.034439	0.45781	-0.02231	0.63061	-0.0220729	0.63423	0.040866	0.37825
0.0011	0.011721	0.80055	0.108655	0.01884	0.37954169	1.89E-17	0.357636	1.55E-15
0.12604	0.009056	0.84525	-0.2597	1.23E-08	-0.2500177	4.36E-08	-0.31149	5.77E-12
0.93227	0.107476	0.02017	0.08574	0.06412	-0.0065444	0.88783	-0.03682	0.42733
0.46926	-0.08659	0.06151	0.011447	0.80513	0.07256419	0.11735	0.112551	0.01496
0.35104	0.217757	2.03E-06	0.158257	0.0006	0.16870327	0.00025	0.197786	1.67E-05
0.8354	0.298723	4.42E-11	0.175482	0.00014	-0.0182354	0.69428	-0.03912	0.399
0.00159	0.159763	0.00053	0.120177	0.00934	0.02809104	0.54482	-0.03768	0.41655
0.00038	-0.10066	0.02963	-0.06464	0.16311	0.08762762	0.05846	0.085419	0.06513
1.94E-21	-0.26571	5.48E-09	0.058851	0.20427	0.21243711	3.63E-06	0.067263	0.14669
0.4104	-0.0329	0.47815	0.043158	0.35206	0.1422824	0.00205	0.100917	0.02922
0.01494	0.037698	0.41635	0.085026	0.06638	0.08418725	0.06912	0.146375	0.00151
0.04651	-0.13203	0.00426	0.120011	0.00943	0.04221011	0.36275	-0.11571	0.01234
9.26E-13	0.023468	0.61295	0.040124	0.38698	0.05364529	0.24727	0.048017	0.30045
0.03976	-0.1622	0.00043	-0.03185	0.49228	0.11942824	0.00979	0.093486	0.04346
0.50599	0.23155	4.21E-07	0.039757	0.39133	-0.0785589	0.08993	-0.13595	0.00324
0.9117	-0.02888	0.5336	-0.08048	0.08233	0.02571082	0.57943	0.023042	0.61942
0.03337	0.036979	0.4253	0.012036	0.79532	0.05704056	0.21856	0.042912	0.35483
0.18377	-0.09134	0.04853	-0.10987	0.01755	-0.1096018	0.01782	-0.10562	0.02244
0.36398	-0.00856	0.85365	0.066055	0.1541	0.10864587	0.01885	0.08275	0.07402
0.76766	0.016901	0.71565	0.02532	0.58521	0.26295828	7.97E-09	0.059211	0.20151
0.74207	0.070422	0.1286	0.041175	0.37465	0.13667773	0.00308	-0.03788	0.41405
0.00082	-0.10851	0.019	-0.05377	0.24618	-0.0342786	0.45991	0.002073	0.96437
1.20E-10	0.076093	0.10052	-0.00781	0.86635	-0.0346365	0.45523	-0.06308	0.17358
0.18925	-0.07734	0.09504	-0.20264	1.02E-05	-0.1709234	0.00021	-0.23649	2.34E-07
0.03143	0.106922	0.02083	-0.00645	0.88936	-0.0294883	0.52499	-0.02813	0.5443
0.02188	0.105836	0.02217	0.036004	0.43761	-0.0680078	0.14226	-0.05898	0.20327
0.03966	-0.15179	0.001	-0.16515	0.00034	-0.1326739	0.00408	-0.09805	0.03415
0.03867	-0.15906	0.00056	-0.4427	7.81E-24	-0.4001103	2.22E-19	-0.36693	2.49E-16
0.04204	0.048051	0.30011	0.013754	0.76689	0.02819174	0.54338	-0.01758	0.70467
0.01269	0.172513	0.00018	0.066682	0.15022	-0.0133997	0.77273	-0.01266	0.78503
0.81764	0.004025	0.93088	0.012854	0.78174	0.02441317	0.59872	0.009262	0.84178
0.00176	-0.27287	2.03E-09	-0.24604	7.21E-08	-0.1223715	0.00811	-0.08403	0.06965
0.32658	0.030267	0.5141	-0.05304	0.25268	-0.0834504	0.07159	-0.08691	0.06055
0.07031	0.060272	0.19354	-0.07439	0.10837	-0.0849865	0.06651	-0.10988	0.01753
0.5525	0.007919	0.86448	-0.08197	0.07678	-0.0274972	0.55336	-0.05638	0.22399
5.02E-15	-0.03969	0.39216	-0.04582	0.32314	-0.036813	0.42739	-0.01499	0.74671

0.40039	0.065719	0.15621	4.27E-05	0.99927	0.024871	0.59188	0.061944	0.18144
0.00013	0.16306	0.0004	0.182097	7.57E-05	0.09253024	0.04566	0.154048	0.00084
0.28554	0.241014	1.35E-07	0.346377	1.31E-14	0.26938927	3.31E-09	0.267809	4.11E-09
0.0633	0.156853	0.00067	0.042734	0.35682	-0.0520824	0.26133	0.044277	0.33971
0.58436	-0.13448	0.0036	-0.03094	0.50481	-0.0599235	0.19613	-0.14087	0.00228
0.2613	0.066811	0.14943	0.00265	0.95445	-0.0412752	0.37349	-0.00371	0.93632
0.01578	-0.00323	0.94446	0.015609	0.73654	0.013533	0.77053	0.037855	0.41442
0.08374	0.19161	3.07E-05	0.152716	0.00093	-0.0098089	0.83257	-0.02747	0.5538
0.02876	0.128359	0.00547	0.109994	0.01741	-0.0580162	0.21078	-0.03295	0.47748
0.18164	0.191691	3.04E-05	0.131045	0.00456	-0.0115911	0.80272	0.001176	0.97977
0.18843	0.11828	0.01052	0.099791	0.03108	0.05064718	0.27472	0.042063	0.36443
0.77141	0.046888	0.31197	0.067417	0.14577	-0.0613332	0.1858	-0.08599	0.06335
0.57237	0.034757	0.45367	0.02642	0.56901	0.03156645	0.49619	0.03594	0.43843
0.48365	0.156352	0.0007	0.0739	0.11074	0.03445721	0.45757	0.040575	0.38166
0.5294	0.130272	0.00481	0.056657	0.22169	0.02862811	0.53715	0.017585	0.70467
0.34728	0.107389	0.02028	0.100109	0.03054	0.02961903	0.52315	0.038994	0.4005
0.29025	0.087352	0.05926	0.114049	0.01366	0.01387135	0.76496	-0.00712	0.87797
0.13253	0.090335	0.05107	0.08404	0.0696	0.01275141	0.78344	0.003985	0.93155
0.45933	0.052532	0.25723	-0.08574	0.06413	-0.065498	0.15761	-0.00382	0.93439
0.39923	-0.07871	0.08933	-0.31625	2.63E-12	-0.1820171	7.62E-05	-0.16002	0.00052
0.15147	0.133163	0.00394	0.08124	0.07947	-0.1296737	0.00501	-0.10231	0.02705
0.02032	-0.05167	0.26517	-0.11689	0.01148	0.11806273	0.01067	0.192562	2.80E-05
0.86186	0.065403	0.15822	0.130576	0.00471	0.15426193	0.00082	0.122132	0.00824
0.63567	0.07248	0.11778	0.092817	0.04499	-0.0069153	0.88152	-0.0183	0.69326
0.53108	0.064356	0.165	0.076766	0.09753	-0.0402182	0.38586	-0.06967	0.13275
1.71E-05	0.320188	1.36E-12	0.271784	2.37E-09	-0.1991522	1.45E-05	-0.28337	4.50E-10
0.99033	0.00633	0.89148	0.026705	0.56484	0.04731516	0.30758	0.028921	0.53299
0.56788	-0.01297	0.77989	0.002092	0.96403	0.00390567	0.93292	0.003897	0.93307
0.36708	0.05079	0.27337	-0.0603	0.19333	-0.0185879	0.68868	-0.01495	0.7472
0.03559	0.134034	0.00371	0.159742	0.00053	0.07304901	0.11492	0.061932	0.18153
0.28589	0.202929	9.89E-06	0.12105	0.00883	0.14066412	0.00231	0.133362	0.00389
0.06429	-0.10302	0.02601	-0.0835	0.07142	-0.016722	0.71853	0.064522	0.16391
0.1129	-0.00023	0.99604	0.035656	0.44206	0.05136549	0.26796	0.035122	0.44894
0.76236	0.003155	0.94579	0.027256	0.55684	0.01000782	0.82922	0.030325	0.51329
0.00059	-0.21186	3.86E-06	-0.17063	0.00021	0.19023024	3.51E-05	0.143029	0.00194
0.01973	0.336695	7.67E-14	0.234049	3.13E-07	0.10864549	0.01885	0.104231	0.02429
0.03304	0.200388	1.28E-05	0.141948	0.00211	-0.1196798	0.00963	-0.13571	0.0033
0.60373	-0.02699	0.56065	-0.10762	0.02	0.1331948	0.00393	0.214114	3.03E-06
0.68898	0.019008	0.68203	-0.08358	0.07114	-0.1127206	0.0148	-0.1286	0.00538
0.39763	-0.09209	0.0467	-0.02559	0.58121	0.05518809	0.23391	0.026687	0.56512
0.82965	0.065182	0.15963	0.114918	0.01296	0.1223181	0.00814	0.19008	3.56E-05
0.02139	-0.12093	0.0089	-0.04434	0.33906	0.02572388	0.57924	-0.02135	0.64543
0.08564	-0.05698	0.21906	-0.0251	0.58852	0.21794489	1.99E-06	0.122874	0.00785
0.93059	0.027293	0.55631	0.079807	0.08493	0.15041891	0.00111	0.077474	0.09447
0.45764	0.045526	0.32625	0.08429	0.06878	0.00606416	0.89601	0.001574	0.97294

0.06098	0.11382	0.01385	0.135893	0.00326	0.09177298	0.04747	0.112397	0.01509
0.84133	0.0778	0.09309	0.063389	0.17145	0.04494191	0.3325	0.050706	0.27416
0.00411	-0.09958	0.03144	-0.03549	0.44426	0.0808827	0.0808	0.050615	0.27502
0.11541	0.144245	0.00178	0.052193	0.26032	-0.011323	0.8072	-0.05513	0.23444
0.28589	0.082808	0.07381	-0.0393	0.39679	-0.2221602	1.24E-06	-0.26696	4.62E-09
0.09901	0.209616	4.91E-06	0.275656	1.37E-09	0.15343318	0.00088	0.146264	0.00153
0.39877	-0.03409	0.46242	0.019014	0.68193	0.06585414	0.15536	0.044523	0.33703
0.72035	0.005497	0.90569	0.054184	0.24255	0.13691845	0.00303	0.083877	0.07015
0.46622	0.062571	0.17706	0.035878	0.43923	0.0767886	0.09744	0.060538	0.19158
0.81212	0.073627	0.11206	0.173021	0.00017	0.17434657	0.00015	0.182651	7.19E-05
0.26215	0.100042	0.03065	0.205646	7.46E-06	-0.0074216	0.87292	-0.06818	0.14127
0.37056	0.015419	0.73964	0.077113	0.09602	-0.1216003	0.00853	-0.1635	0.00039
0.13187	-0.07883	0.08883	0.17065	0.00021	-0.1319462	0.00429	-0.24249	1.12E-07
0.53855	0.12412	0.00724	0.161816	0.00045	0.09656087	0.03698	0.108402	0.01912
0.40539	0.081916	0.07698	0.055967	0.22737	0.11680179	0.01154	0.08035	0.08282
0.00041	-0.073	0.11515	-0.04315	0.35217	-0.0316217	0.49543	-0.04101	0.37653
0.55097	-0.02834	0.54131	-0.16678	0.00029	-0.0905499	0.05052	-0.03681	0.42742
0.99166	0.142307	0.00205	0.353328	3.54E-15	0.39657486	4.87E-19	0.166939	0.00029
0.82819	-0.0824	0.07526	0.038442	0.40721	0.13572417	0.0033	0.157515	0.00064
0.00251	0.165192	0.00034	0.151777	0.001	0.15760767	0.00063	0.222654	1.17E-06
1.17E-10	0.28403	4.09E-10	0.166053	0.00031	0.07144834	0.12311	0.159772	0.00053
0.21585	0.167846	0.00027	0.140773	0.00229	0.21882769	1.80E-06	0.216222	2.41E-06
0.05847	0.063991	0.16741	0.177802	0.00011	0.28535401	3.36E-10	0.178848	0.0001
0.48869	0.07487	0.10612	0.039562	0.39367	-0.0287961	0.53476	-0.02125	0.64698
0.73278	0.070675	0.12723	-0.03773	0.41594	-0.0351495	0.44858	-0.04008	0.38754
0.06781	0.194487	2.31E-05	0.199995	1.33E-05	-0.0125412	0.78693	-0.15448	0.00081
0.07347	-0.06656	0.15096	-0.01372	0.76739	0.05452307	0.23961	0.032504	0.48348
6.02E-13	-0.28498	3.55E-10	-0.14345	0.00189	-0.1083794	0.01914	-0.15584	0.00073
0.00156	0.213862	3.11E-06	0.132561	0.00411	-0.022431	0.62874	-0.04002	0.38818
0.12999	-0.07306	0.11485	-0.00984	0.83203	0.17857179	0.0001	0.067319	0.14636
0.29524	0.000907	0.9844	-0.01523	0.74264	0.20177178	1.11E-05	0.263614	7.29E-09
0.26447	-0.02967	0.52244	0.003779	0.93509	0.04843044	0.2963	0.099327	0.03187
0.40279	0.053742	0.24641	0.071136	0.12476	0.24056404	1.42E-07	0.08409	0.06944
3.94E-12	0.005596	0.90401	-0.07665	0.09805	0.02628934	0.57092	0.023406	0.6139
0.03403	0.108597	0.0189	-0.14475	0.00171	-0.1019645	0.02757	-0.04797	0.30089
0.08905	0.08274	0.07405	-0.02428	0.60071	0.01482044	0.7494	0.06522	0.15938
0.19588	-0.16873	0.00025	0.022798	0.62313	0.14265054	0.002	0.117515	0.01104
0.56163	0.006114	0.89517	-0.02754	0.55276	-0.0002455	0.99578	0.12624	0.0063
0.8311	0.039682	0.39224	-0.03832	0.40871	-0.0059161	0.89854	0.164779	0.00035
0.86029	-0.19819	1.60E-05	-0.11281	0.01472	-0.0008679	0.98508	0.02467	0.59488
7.47E-10	0.153327	0.00089	0.128856	0.00529	0.06513525	0.15993	0.075293	0.10416
1.67E-08	0.263633	7.27E-09	0.135218	0.00341	0.08619618	0.06272	0.149197	0.00122
0.50678	0.055845	0.22839	0.055852	0.22833	-0.0808791	0.08081	-0.05703	0.21861
0.55144	0.068377	0.1401	0.052788	0.25491	-0.0708898	0.12608	-0.09108	0.04917
0.07765	0.126022	0.00639	0.082551	0.07472	0.01502275	0.74609	-0.02954	0.52422

0.06848	0.174129	0.00016	0.111823	0.01562	0.02700619	0.56047	-0.02507	0.58895
0.08803	-0.02677	0.56396	0.076642	0.09808	0.33955359	4.58E-14	0.250077	4.33E-08
0.45536	0.139723	0.00248	0.301606	2.82E-11	0.26005242	1.18E-08	0.284633	3.74E-10
0.13369	0.166724	0.0003	0.08942	0.05347	0.03102152	0.50366	0.117746	0.01088
0.88796	-0.01008	0.82798	0.007406	0.87318	-0.0775782	0.09403	-0.08251	0.07487
0.5438	-0.22699	7.16E-07	0.092163	0.04653	0.43209122	1.15E-22	0.245121	8.10E-08
0.08182	0.223006	1.13E-06	0.234825	2.85E-07	0.29734509	5.48E-11	0.2645	6.46E-09
0.00956	-0.09542	0.03928	-0.02571	0.5794	0.06213916	0.18007	0.022915	0.62135
0.07789	0.083052	0.07296	0.060337	0.19306	-0.0038891	0.9332	0.019172	0.67944
0.53324	0.09434	0.04157	0.012907	0.78086	0.01932195	0.67707	0.015632	0.73617
0.70149	-0.09202	0.04687	-0.10246	0.02683	-0.0771155	0.09601	-0.1184	0.01044
5.29E-13	-0.1424	0.00204	-0.06865	0.13853	0.11501913	0.01288	0.191254	3.18E-05
0.16202	0.16303	0.0004	0.081952	0.07686	0.07587659	0.10149	0.057495	0.21491
8.48E-12	-0.04463	0.33591	0.063745	0.16905	0.23864568	1.80E-07	0.227907	6.44E-07
0.26318	0.143752	0.00184	0.071979	0.12035	0.13436695	0.00362	0.101995	0.02753
0.16702	0.199686	1.38E-05	0.056574	0.22236	0.09543659	0.03925	0.049759	0.28324
0.50755	-0.01463	0.75246	-0.02842	0.54015	0.08055638	0.08203	0.108285	0.01925
0.07945	-0.13049	0.00474	-0.10795	0.01962	-0.022405	0.62914	-0.00456	0.92173
0.8693	0.11619	0.01198	-0.00828	0.8583	0.0045195	0.9224	-0.03427	0.46007
9.47E-05	0.062043	0.18075	-0.02644	0.56868	-0.0568322	0.22025	-0.06469	0.16278
0.001	0.011677	0.8013	-0.12636	0.00625	-0.1093288	0.01811	-0.12882	0.0053
0.29507	-0.03093	0.50497	-0.17062	0.00021	-0.0331719	0.47453	-0.15563	0.00074
0.18362	-0.11053	0.01687	-0.3362	8.37E-14	-0.1467815	0.00147	-0.1293	0.00513
0.33998	0.105635	0.02243	-0.06725	0.1468	-0.1189599	0.01008	-0.01414	0.76048
1.23E-05	0.055452	0.23168	0.002999	0.94847	-0.0457586	0.32378	-0.12203	0.0083
0.05393	0.113758	0.0139	0.049942	0.28146	0.04229365	0.3618	-0.00587	0.8993
1.67E-12	-0.29945	3.95E-11	-0.28239	5.20E-10	-0.0867109	0.06116	-0.0317	0.49431
3.80E-19	0.003649	0.93731	-0.04777	0.30296	0.05666146	0.22165	0.146494	0.0015
0.38637	0.046213	0.319	0.033003	0.47678	0.05153068	0.26642	0.050376	0.2773
1.66E-05	0.143454	0.00188	0.148334	0.00131	0.0639956	0.16738	0.0156	0.7367
0.06556	-0.14807	0.00133	-0.03431	0.45947	0.05805489	0.21047	0.035726	0.44116
0.00112	0.082695	0.07421	0.121256	0.00872	0.11195158	0.0155	0.07417	0.10944
0.29727	0.03718	0.42279	-0.01749	0.70624	-0.041732	0.36822	-0.02296	0.62064
0.00261	0.035426	0.44501	-0.05865	0.20585	0.04025368	0.38544	0.102859	0.02623
0.72715	-0.24098	1.35E-07	-0.09286	0.04488	0.08890399	0.05487	0.129179	0.00518
0.06748	0.018453	0.69083	-0.00749	0.87182	-0.0991413	0.03219	-0.2619	9.19E-09
0.00023	0.03868	0.40431	-0.13894	0.00262	-0.1798702	9.29E-05	-0.24718	6.25E-08
2.36E-05	0.068604	0.13879	0.153823	0.00085	0.20067813	1.24E-05	0.20238	1.05E-05
0.67814	0.128443	0.00544	0.052075	0.26139	0.09481089	0.04056	0.164594	0.00035
0.46253	-0.17367	0.00016	0.035788	0.44037	0.4606435	6.59E-26	0.338852	5.20E-14
0.9929	-0.05789	0.21178	0.007707	0.86807	0.06300455	0.17407	0.091638	0.0478
0.00626	0.056325	0.22441	0.30708	1.18E-11	0.43176124	1.25E-22	0.376088	3.88E-17
0.01699	-0.09255	0.04561	-0.08976	0.05258	0.32859852	3.21E-13	0.31778	2.04E-12
0.03787	-0.04506	0.33119	-0.12953	0.00506	-0.0964267	0.03724	-0.05733	0.21625
0.49734	0.098611	0.03313	0.059904	0.19628	-0.0760205	0.10084	-0.07834	0.09082

0.61861	0.005178	0.91114	-0.03991	0.38948	-0.0675365	0.14505	-0.03527	0.44703
0.6026	-0.01415	0.76041	-0.05498	0.23569	-0.0813512	0.07905	-0.05045	0.27663
0.00223	0.0613	0.18604	0.121692	0.00848	-0.1129767	0.01458	-0.2624	8.58E-09
2.30E-05	0.088398	0.05627	0.046696	0.31395	0.0691157	0.13586	0.066881	0.14901
0.4027	-0.02873	0.53566	-0.07288	0.11575	0.00684856	0.88266	0.069716	0.13249
0.00658	0.131791	0.00433	0.09574	0.03862	0.12336325	0.00761	0.136557	0.00311
0.03498	0.327982	3.57E-13	0.338512	5.53E-14	0.25500333	2.29E-08	0.241886	1.21E-07
0.26356	0.094428	0.04138	0.023721	0.60913	-0.0799286	0.08445	-0.0703	0.12924
0.5029	0.099635	0.03134	-0.09036	0.05101	-0.0631001	0.17342	0.00535	0.90821
0.57112	-0.00838	0.85662	-0.00716	0.87736	-0.0024956	0.95711	0.002496	0.9571
4.03E-08	0.133117	0.00395	-0.00286	0.95082	0.15339638	0.00088	0.263217	7.69E-09
0.51615	0.10017	0.03044	0.01103	0.81209	0.0561394	0.22594	0.098708	0.03296
0.43255	-0.01523	0.74275	-0.08865	0.05558	-0.0562411	0.2251	-0.05334	0.25
0.54151	0.091573	0.04795	0.003094	0.94683	0.02904764	0.5312	0.085689	0.06429
0.47085	0.185643	5.43E-05	0.172521	0.00018	0.0497348	0.28347	-0.14136	0.0022
0.00185	-0.25521	2.23E-08	-0.15302	0.00091	-0.0215862	0.64173	0.022715	0.6244
0.00396	0.00406	0.93028	0.226177	7.86E-07	0.37954041	1.89E-17	0.327465	3.91E-13
0.03955	0.082052	0.07649	-0.2321	3.94E-07	-0.1043126	0.02418	-0.07921	0.0873
0.71824	-0.08925	0.05392	-0.0317	0.49435	0.12219824	0.0082	0.157113	0.00066
0.1607	0.3153	3.08E-12	0.168587	0.00025	0.04390141	0.34383	-0.11194	0.01551
0.00757	-0.0434	0.34942	0.1563	0.0007	0.12611891	0.00635	-0.02301	0.61991
0.1791	0.177885	0.00011	0.116246	0.01194	0.06352168	0.17056	0.041854	0.36682
1.42E-09	0.209502	4.97E-06	0.117774	0.01086	-0.3365959	7.80E-14	-0.32812	3.49E-13
0.01302	0.12343	0.00758	0.257009	1.76E-08	0.21540705	2.63E-06	0.166083	0.00031
5.13E-19	-0.05176	0.26429	-0.01383	0.76565	0.12294004	0.00782	0.223668	1.05E-06
0.64793	0.327445	3.92E-13	0.248665	5.18E-08	0.06977607	0.13215	0.037247	0.42195
0.01157	0.097953	0.03433	-0.13871	0.00266	-0.2544534	2.46E-08	-0.27817	9.58E-10
0.35585	-0.02262	0.6259	-0.00673	0.88461	-0.2191764	1.74E-06	-0.2475	6.00E-08
0.1677	0.114779	0.01307	0.113156	0.01442	0.09936728	0.0318	0.125443	0.00664
0.38599	0.022612	0.62598	-0.09661	0.03688	-0.1060552	0.02189	-0.01737	0.70815
3.36E-05	-0.15171	0.00101	-0.16149	0.00046	-0.0936932	0.043	-0.02019	0.66335
0.0513	0.038892	0.40174	0.145731	0.00159	0.03842153	0.40746	-0.18156	7.95E-05
0.36825	-0.02018	0.66356	0.00756	0.87057	0.06074371	0.19007	-0.08035	0.08281
0.42217	-0.12295	0.00782	-0.14662	0.00149	-0.1429677	0.00195	-0.13538	0.00338
0.19551	-0.1013	0.0286	-0.11568	0.01237	-0.057082	0.21823	-0.06932	0.13469
0.69023	-0.19045	3.43E-05	-0.15128	0.00104	-0.1671712	0.00029	-0.17908	9.98E-05
0.68958	0.043217	0.35141	-0.01822	0.6945	-0.0334371	0.471	-0.00224	0.96141
0.55902	0.025024	0.5896	0.000586	0.98992	-0.024809	0.59281	-0.00138	0.97624
0.98575	0.034756	0.45367	0.014039	0.7622	-0.0334733	0.47052	-0.00483	0.91702
0.06911	-0.09783	0.03455	-0.03116	0.50176	-0.0106183	0.81898	0.020835	0.65337
0.0075	-0.01719	0.71106	-0.01615	0.72771	-0.0069999	0.88008	0.021309	0.64601
0.4577	0.017946	0.69889	0.031226	0.50084	0.01082425	0.81553	0.0056	0.90393
0.96784	0.037965	0.41305	0.03557	0.44317	0.02971034	0.52187	0.057904	0.21166
0.45765	0.0432	0.3516	0.061318	0.18591	-0.0791909	0.08737	-0.06349	0.17075
0.21753	0.078848	0.08875	-0.1019	0.02768	-0.2712962	2.54E-09	-0.26978	3.13E-09

0.82828	-0.00201	0.96541	-0.03957	0.39359	-0.012461	0.78826	0.051866	0.26332
0.63179	0.056288	0.22471	-0.03206	0.48946	0.02886006	0.53386	0.043049	0.35328
0.00195	-0.13195	0.00429	-0.12283	0.00788	-0.1253085	0.0067	-0.08347	0.07152
0.18696	-0.08057	0.08197	-0.12715	0.00593	-0.1123504	0.01514	-0.0713	0.1239
0.05801	-0.13689	0.00303	-0.04498	0.33206	-0.0154853	0.73856	-0.16626	0.00031
0.02112	0.092999	0.04457	0.336841	7.47E-14	0.40487863	7.55E-20	0.308693	9.08E-12
0.02158	0.24171	1.24E-07	0.034537	0.45653	0.3670628	2.42E-16	0.254813	2.35E-08
0.45415	0.089573	0.05306	-0.08756	0.05867	0.01293439	0.78042	0.022468	0.62818
0.00087	0.263732	7.17E-09	0.234431	2.99E-07	-0.0036212	0.93779	-0.06882	0.13757
0.19132	0.197811	1.66E-05	0.122209	0.0082	0.38587454	4.98E-18	0.229933	5.09E-07
5.90E-05	-0.22803	6.35E-07	-0.35196	4.59E-15	-0.0628592	0.17507	-0.07171	0.12172
0.05999	-0.01674	0.71816	0.031644	0.49513	0.07632435	0.09948	0.106437	0.02142
0.36909	0.11417	0.01356	-0.01797	0.69858	0.03271424	0.48065	0.085622	0.0645
0.10897	0.034525	0.45668	0.062527	0.17736	0.30395934	1.94E-11	0.077152	0.09586
0.00144	0.23461	2.93E-07	0.394322	8.00E-19	0.37207014	8.83E-17	0.310857	6.39E-12
0.00755	0.301076	3.06E-11	0.159751	0.00053	-0.1191956	0.00993	-0.20088	1.22E-05
0.27084	0.107011	0.02072	0.181656	7.88E-05	0.02662281	0.56605	-0.08332	0.07204
0.93552	0.188638	4.09E-05	0.189778	3.66E-05	0.14444553	0.00175	-0.02989	0.51942
0.28123	0.190672	3.36E-05	0.149709	0.00117	0.03673327	0.42839	-0.05901	0.20307
4.25E-05	-0.09907	0.03232	0.178099	0.00011	0.19164729	3.06E-05	0.169608	0.00023
0.00132	-0.11317	0.0144	0.007676	0.86859	0.05209445	0.26122	0.061717	0.18306
0.00081	0.000947	0.98372	0.194317	2.35E-05	0.17357637	0.00016	0.069039	0.1363
0.53906	0.09947	0.03162	0.056398	0.22381	0.19138894	3.14E-05	0.299943	3.66E-11
1.25E-11	0.050498	0.27613	0.048134	0.29927	0.12657872	0.00616	0.178067	0.00011
0.03289	0.037702	0.4163	0.001848	0.96823	0.05956381	0.19884	0.178389	0.00011
0.27563	0.199155	1.45E-05	0.177887	0.00011	0.17905956	1.00E-04	0.088384	0.05631
0.27431	0.102779	0.02635	-0.11076	0.01664	0.05828438	0.20867	0.174431	0.00015
1.59E-13	-0.07204	0.12003	-0.08936	0.05363	0.04049732	0.38257	0.092633	0.04542
0.64134	0.104153	0.02439	-0.00038	0.99348	-0.0795968	0.08576	-0.13569	0.0033
0.44994	0.187416	4.59E-05	0.233807	3.22E-07	0.1285636	0.0054	0.060539	0.19157
2.96E-14	0.065306	0.15884	0.020592	0.65715	0.07017557	0.12995	0.155299	0.00076
7.55E-08	-0.0631	0.17339	-0.05467	0.23837	0.03069647	0.50814	0.044723	0.33487
0.00185	0.256623	1.85E-08	0.093954	0.04242	-0.0191607	0.67961	-0.02546	0.58318
0.18212	0.093781	0.0428	-0.0328	0.47949	0.09961411	0.03138	0.092983	0.04461
0.26725	0.032885	0.47837	0.061178	0.18691	0.03534985	0.446	0.006798	0.88351
0.14474	0.252397	3.21E-08	0.167244	0.00028	0.10447685	0.02395	-0.00728	0.87531
0.57876	0.298723	4.42E-11	0.152506	0.00095	-0.0910086	0.04935	-0.15301	0.00091
3.16E-05	0.198686	1.52E-05	0.149943	0.00115	0.09700639	0.03611	0.07974	0.08519
0.00061	0.202943	9.87E-06	0.158729	0.00058	0.10314511	0.02582	0.087751	0.05811
0.00021	0.319349	1.56E-12	0.202793	1.00E-05	0.08243278	0.07513	0.04812	0.29941
6.44E-13	0.073384	0.11325	-0.04324	0.3511	0.06559634	0.15699	0.07015	0.13009
3.13E-09	0.156727	0.00068	0.029024	0.53153	0.12601407	0.0064	0.153691	0.00086
2.10E-05	0.285372	3.35E-10	0.172802	0.00018	0.07852613	0.09007	0.056291	0.22468
0.09937	0.25987	1.21E-08	0.068974	0.13667	-0.0081658	0.8603	0.01434	0.75727
0.04119	-0.08899	0.05465	-0.12798	0.00561	0.03222465	0.48725	0.156762	0.00067

0.10059	0.017726	0.70241	0.004656	0.92008	-0.2031545	9.66E-06	-0.2425	1.12E-07
0.01954	0.334507	1.13E-13	0.180835	8.50E-05	0.06963841	0.13292	0.108769	0.01871
0.58751	0.227478	6.77E-07	0.13877	0.00265	0.07933872	0.08678	0.044078	0.34189
0.02161	0.295034	7.82E-11	0.16525	0.00034	0.1028454	0.02625	0.082958	0.07329
0.3604	0.030768	0.50715	0.00576	0.9012	0.04517744	0.32997	0.108157	0.01939
0.19267	0.237479	2.07E-07	0.190905	3.29E-05	-0.03819	0.41029	-0.09186	0.04725
0.05473	0.060818	0.18953	0.037146	0.42321	0.01725084	0.71003	0.016572	0.72095
0.21677	-0.02643	0.5689	-0.074	0.11023	-0.0080261	0.86266	-0.0349	0.45185
0.54446	-0.0911	0.04912	0.015296	0.74165	0.08513376	0.06604	0.088372	0.05635
0.00124	-0.0797	0.08535	-0.06534	0.15861	0.15679521	0.00067	0.068559	0.13905
0.46903	0.060817	0.18953	0.124552	0.00704	0.20569861	7.42E-06	0.085678	0.06432
0.88697	-0.26814	3.93E-09	-0.46502	1.97E-26	0.05262607	0.25638	0.035951	0.43829
0.00236	0.210079	4.67E-06	0.20408	8.78E-06	0.35541385	2.37E-15	0.370657	1.18E-16
0.83317	0.212045	3.79E-06	0.252767	3.06E-08	0.08259829	0.07455	0.079908	0.08454
0.59824	0.026011	0.57501	0.117408	0.01111	-0.0087348	0.85067	-0.11146	0.01596
0.02184	0.085543	0.06474	0.188492	4.15E-05	-0.0964102	0.03728	-0.04364	0.34667
1.18E-08	-0.19299	2.68E-05	-0.10105	0.02901	-0.0466822	0.3141	0.036165	0.43557
2.84E-05	0.024723	0.59408	-0.13867	0.00267	-0.2122891	3.69E-06	-0.13021	0.00483
0.38916	0.123515	0.00753	0.125554	0.00659	0.0339883	0.46372	0.038257	0.40947
0.28412	0.074689	0.10697	0.150944	0.00107	-0.176666	0.00012	-0.25411	2.57E-08
0.03277	-0.03423	0.46055	-0.30223	2.55E-11	-0.0609448	0.1886	-0.12167	0.00849
0.3605	0.019695	0.67119	0.000824	0.98583	0.02057941	0.65735	0.064081	0.16681
0.04524	0.063346	0.17174	-0.11339	0.01422	-0.2271971	6.99E-07	-0.24943	4.70E-08
0.00717	-0.06391	0.16798	-0.14017	0.0024	0.09097155	0.04945	0.025734	0.57909
4.51E-06	-0.20345	9.37E-06	-0.14049	0.00234	0.17871969	0.0001	0.251724	3.50E-08
0.01824	-0.07979	0.08501	-0.01494	0.74745	0.13730668	0.00295	0.145728	0.00159
0.05018	0.160946	0.00048	0.013137	0.77707	0.04158624	0.3699	0.069702	0.13256
0.32352	-0.16356	0.00039	-0.09932	0.03188	0.32307042	8.33E-13	0.20059	1.26E-05
0.52991	-0.02271	0.62453	0.108848	0.01863	0.15662881	0.00068	0.080769	0.08123
0.0107	0.027776	0.54934	0.033944	0.4643	0.0206824	0.65574	0.04648	0.3162
0.05811	-0.05128	0.26876	0.003291	0.94345	-0.0311003	0.50257	-0.11064	0.01676
0.40784	0.008381	0.85666	-0.06193	0.18153	-0.033431	0.47108	0.040287	0.38505
0.93981	0.10688	0.02088	0.097196	0.03575	0.03026681	0.5141	0.021026	0.65039
0.04721	-0.05105	0.2709	0.01655	0.7213	0.08337388	0.07186	0.145445	0.00162
0.00291	0.144643	0.00173	0.033032	0.4764	-0.0950201	0.04012	-0.10107	0.02897
0.52998	0.070062	0.13057	-0.06533	0.15867	-0.127211	0.00591	-0.13217	0.00422
0.54042	0.018631	0.688	-0.11555	0.01247	-0.0660709	0.154	-0.02643	0.56881
0.74657	0.002843	0.95114	-0.10522	0.02297	-0.1369992	0.00301	-0.11367	0.01398
0.68983	-0.00887	0.84833	-0.10448	0.02395	-0.0415435	0.37039	-0.0463	0.31812
0.31524	-0.06417	0.16622	-0.15883	0.00057	-0.0991616	0.03216	-0.04469	0.33517
0.60708	0.209167	5.15E-06	0.095153	0.03984	0.03214158	0.48837	0.023797	0.60799
0.01424	0.130207	0.00483	-0.01325	0.77513	-0.0517449	0.26444	-0.07622	0.09996
1.08E-05	-0.01992	0.66761	0.01649	0.72228	0.05171858	0.26468	0.093349	0.04377
2.89E-08	-0.17053	0.00021	-0.13801	0.0028	0.04391066	0.34372	-0.01665	0.71972
0.81586	0.083774	0.0705	0.066831	0.14931	0.04522625	0.32945	0.038301	0.40893

0.4083	-0.02625	0.57147	-0.01447	0.75508	0.00296571	0.94904	-0.01597	0.73065
0.05745	0.089372	0.0536	0.050603	0.27514	0.05380538	0.24586	0.090901	0.04962
0.00053	0.165283	0.00033	0.112731	0.01479	0.0793415	0.08677	0.097684	0.03483
0.32467	0.211703	3.93E-06	0.004295	0.92624	0.01226131	0.79157	0.095726	0.03865
0.05081	0.248594	5.23E-08	0.091457	0.04824	-0.0130842	0.77794	0.007825	0.86607
0.82164	0.304179	1.87E-11	0.464476	2.29E-26	0.00904651	0.84541	-0.10247	0.02681
0.02192	-0.20638	6.91E-06	-0.10117	0.02881	0.02655474	0.56704	-0.06326	0.17236
1.11E-05	-0.23997	1.53E-07	-0.24689	6.48E-08	0.0366729	0.42915	-0.03616	0.43565
0.6384	-0.08102	0.0803	-0.04106	0.37599	0.17542839	0.00014	0.17996	9.21E-05
0.58842	-0.02989	0.5193	-0.02676	0.56411	-0.0928906	0.04482	-0.12455	0.00704
0.13949	-0.01575	0.73431	0.026393	0.5694	0.14746843	0.00139	0.2259	8.12E-07
0.016	0.068768	0.13785	0.038276	0.40924	-0.0395321	0.39403	-0.06101	0.18815
0.05038	0.109738	0.01768	0.023278	0.61583	-0.0739496	0.1105	-0.14913	0.00123
0.72092	0.086652	0.06134	0.043747	0.34553	-0.0355393	0.44356	-0.03742	0.41985
0.01454	-0.24645	6.85E-08	-0.15015	0.00114	-0.0547051	0.23804	0.003561	0.93882
0.11319	0.054532	0.23953	0.011719	0.80059	-0.0045873	0.92124	-0.01649	0.7222
0.27277	0.200185	1.31E-05	-0.07559	0.10277	-0.1581034	0.00061	-0.13509	0.00345
2.44E-08	-0.09976	0.03114	0.019187	0.67919	0.18762705	4.50E-05	0.179066	9.99E-05
9.82E-05	-0.01141	0.80582	-0.05036	0.27742	0.04819985	0.29861	0.163021	0.0004
0.03996	-0.14489	0.00169	-0.10587	0.02212	0.16872306	0.00025	0.132674	0.00408
0.47312	0.098107	0.03404	-0.01278	0.7829	0.07058006	0.12774	0.181654	7.88E-05
0.13487	0.226503	7.57E-07	0.427686	3.43E-22	0.28151123	5.91E-10	0.232211	3.89E-07
0.26637	0.025678	0.57991	-0.07644	0.09896	0.0192944	0.6775	-0.1421	0.00208
0.96309	0.25138	3.66E-08	0.401092	1.78E-19	0.41541757	6.57E-21	0.191586	3.08E-05
0.76428	-0.07649	0.09877	0.064098	0.1667	0.27588324	1.33E-09	0.200859	1.22E-05
0.00536	0.053464	0.24887	0.115838	0.01224	0.12897885	0.00525	0.058145	0.20976
0.56027	0.07284	0.11596	0.052229	0.25999	0.0904157	0.05086	0.152057	0.00098
0.01037	0.245597	7.63E-08	0.17624	0.00013	0.04418195	0.34075	0.004414	0.92422
0.14981	0.297964	4.98E-11	0.282127	5.40E-10	0.27396448	1.74E-09	0.169674	0.00023
0.47793	0.054042	0.24379	-0.08819	0.05685	-0.0658934	0.15511	0.024871	0.59188
0.15518	0.190017	3.58E-05	0.087259	0.05953	0.04205538	0.36452	0.018585	0.68872
0.0013	0.096852	0.03641	0.030251	0.51432	-0.1145288	0.01327	-0.1648	0.00035
0.28163	-0.07406	0.10996	-0.00124	0.97874	0.0434294	0.34904	0.079393	0.08656
0.50521	0.156303	0.0007	0.073692	0.11174	0.01494468	0.74737	-0.01263	0.78547
3.47E-05	0.188985	3.95E-05	0.069509	0.13364	0.04681875	0.31269	0.082987	0.07319
0.86961	0.144464	0.00175	0.11486	0.013	0.1484282	0.0013	0.077402	0.09478
0.7757	0.06059	0.19119	0.052643	0.25622	0.22442561	9.61E-07	0.298843	4.34E-11
0.80726	0.12002	0.00943	0.203607	9.22E-06	0.23880519	1.76E-07	0.215653	2.56E-06
0.00023	0.284778	3.66E-10	0.205013	7.97E-06	0.36706528	2.42E-16	0.331752	1.85E-13
0.01622	0.077975	0.09235	0.01609	0.72874	0.06661021	0.15066	0.149224	0.00122
5.44E-08	0.357872	1.48E-15	0.200816	1.23E-05	0.11285203	0.01469	0.186019	5.24E-05
0.00285	0.04403	0.34241	0.067518	0.14516	0.15466524	0.0008	0.229456	5.38E-07
0.63093	-0.21476	2.82E-06	-0.1678	0.00027	0.09125319	0.04874	0.196751	1.85E-05
0.52076	0.075265	0.10428	-0.00175	0.9699	-0.0481864	0.29874	-0.02064	0.65644
0.00339	-0.13103	0.00457	0.003024	0.94803	0.33649578	7.95E-14	0.315115	3.17E-12



0.00026	-0.15466	0.0008	0.103942	0.02469	0.28629771	2.92E-10	0.293847	9.38E-11
0.0019	-0.04031	0.38475	-0.11172	0.01572	-0.0655897	0.15703	-0.03133	0.49941
0.0333	-0.21105	4.21E-06	-0.08599	0.06336	0.05953356	0.19906	0.085551	0.06472
0.54352	0.097135	0.03587	0.112417	0.01508	-0.0744695	0.10801	-0.07743	0.09465
4.27E-21	-0.10413	0.02443	-0.15087	0.00107	-0.0497315	0.2835	0.10256	0.02668
0.01532	0.129809	0.00496	-0.06552	0.15749	-0.2342174	3.07E-07	-0.2311	4.44E-07
0.15826	0.248794	5.09E-08	0.369741	1.42E-16	0.32771403	3.74E-13	0.112014	0.01544
0.29357	-0.21328	3.32E-06	-0.22846	6.04E-07	-0.0677355	0.14387	-0.13329	0.00391
0.19785	-0.02659	0.56654	-0.09711	0.03591	0.02270863	0.6245	0.101065	0.02898
0.214	0.094164	0.04195	-0.04721	0.30865	-0.0109733	0.81304	-0.0294	0.52628
0.00226	0.108131	0.01942	0.029467	0.52528	0.01644936	0.72293	0.033514	0.46998
0.00014	0.144312	0.00177	0.129296	0.00514	0.38760808	3.43E-18	0.35219	4.39E-15
0.00019	0.071602	0.12231	-0.00731	0.87477	0.02296917	0.62053	0.069205	0.13536
0.00122	0.12315	0.00771	0.049631	0.28448	0.01533068	0.74107	-0.007	0.88008
0.71423	0.004778	0.91799	-0.14922	0.00122	-0.0545788	0.23913	-0.0559	0.22795
0.66803	0.250997	3.85E-08	0.1068	0.02098	0.07641305	0.09909	0.137178	0.00297
0.01004	0.312959	4.53E-12	0.12595	0.00642	-0.0594307	0.19984	-0.07895	0.08833
0.20753	0.109495	0.01793	0.025711	0.57943	-0.0193885	0.67602	0.076231	0.0999
0.74479	0.035825	0.4399	-0.06619	0.15329	-0.0455996	0.32547	-0.00498	0.91451
0.45356	0.200792	1.23E-05	0.276136	1.28E-09	0.05119648	0.26954	0.026279	0.57108
0.00294	0.052073	0.26141	0.134998	0.00347	-0.1723202	0.00018	-0.1638	0.00038
0.00034	-0.00619	0.89386	-0.29326	1.03E-10	-0.2004122	1.28E-05	-0.28019	7.15E-10
8.90E-07	0.069801	0.13202	0.134439	0.00361	-0.0107836	0.81621	-0.06198	0.18118
0.39988	-0.08766	0.05837	0.034765	0.45356	-0.0182531	0.694	-0.02602	0.57489
0.00094	-0.07417	0.10944	0.020287	0.66191	0.07186461	0.12094	-0.09371	0.04296
0.34373	-0.26295	7.98E-09	-0.10452	0.02389	0.05174292	0.26445	-0.17304	0.00017
7.53E-05	-0.06932	0.13469	-0.08194	0.07689	0.08184757	0.07723	0.074006	0.11022
0.34841	0.122291	0.00815	0.0811	0.07999	0.04044001	0.38325	-0.01906	0.68115
8.31E-06	-0.13827	0.00275	-0.12291	0.00783	0.06270492	0.17613	0.103862	0.0248
0.98733	0.17443	0.00015	0.101173	0.02881	-0.0142126	0.75935	-0.05402	0.24399
7.08E-09	-0.03806	0.4119	-0.04012	0.38698	0.05972094	0.19765	0.04965	0.28429
3.46E-06	0.272153	2.25E-09	0.204831	8.12E-06	0.25371543	2.71E-08	0.314119	3.74E-12
0.10216	-0.17371	0.00016	-0.11208	0.01538	-0.1206576	0.00905	-0.22529	8.71E-07
0.09894	-0.05293	0.25365	-0.13598	0.00324	-0.0087303	0.85075	-0.08229	0.07565
0.05808	0.262848	8.08E-09	0.214247	2.98E-06	-0.0321933	0.48767	-0.09153	0.04807
0.07663	0.231281	4.34E-07	0.215186	2.69E-06	0.12903804	0.00523	0.045652	0.32491
1.96E-20	-0.27972	7.66E-10	-0.27154	2.45E-09	-0.0475032	0.30566	0.02296	0.62066
0.49004	0.02228	0.63105	-0.01221	0.79238	0.04697098	0.31111	0.028089	0.54485
0.40201	0.103765	0.02493	-0.02857	0.53798	-0.0721811	0.1193	-0.03176	0.49348
5.61E-12	-0.09337	0.04373	0.012567	0.78649	0.03219416	0.48766	-0.10284	0.02626
2.75E-11	0.077291	0.09526	0.064935	0.16122	0.23174436	4.11E-07	0.230023	5.03E-07
0.00496	0.034216	0.46072	0.049693	0.28388	0.02739967	0.55476	-0.03659	0.43018
1.34E-05	0.116557	0.01171	0.192686	2.76E-05	0.41564739	6.22E-21	0.350832	5.68E-15
0.17514	0.178655	0.0001	0.166499	0.0003	0.03356256	0.46934	-0.00723	0.87621
0.02523	0.13041	0.00476	0.158738	0.00058	0.16405094	0.00037	0.200039	1.33E-05

4.15E-14	-0.0421	0.36405	0.013844	0.76541	0.07533362	0.10397	0.012355	0.79002
0.00068	0.051111	0.27034	0.37729	3.03E-17	0.43885065	2.10E-23	0.333258	1.42E-13
0.61448	0.117676	0.01093	0.090244	0.0513	0.11753941	0.01102	0.06176	0.18275
0.7485	0.316466	2.54E-12	0.227103	7.07E-07	0.09899606	0.03245	0.179594	9.52E-05
0.75251	0.045019	0.33167	-0.22937	5.43E-07	-0.0941169	0.04206	-0.14759	0.00138
8.30E-05	0.209082	5.20E-06	0.066605	0.15069	0.1915215	3.10E-05	0.186552	4.99E-05
0.00105	-0.08105	0.08018	-0.13288	0.00402	-0.0490348	0.29031	-0.09587	0.03835
0.22142	0.126634	0.00614	0.019151	0.67976	0.02535765	0.58465	0.085433	0.06509
0.33465	-0.07094	0.12579	-0.1613	0.00047	-0.1601378	0.00051	-0.09002	0.05187
0.26077	0.071059	0.12517	-0.028	0.54605	-0.0574516	0.21526	-0.08892	0.05482
1.64E-05	0.190127	3.54E-05	0.259669	1.24E-08	0.22368364	1.05E-06	0.143662	0.00186
0.95003	0.169726	0.00023	0.020383	0.66041	0.0384855	0.40668	0.137688	0.00287
0.25709	-0.08394	0.06993	-0.09333	0.0438	0.07172153	0.12168	0.070731	0.12693
0.06976	-0.05931	0.20076	-0.01733	0.7088	0.00861331	0.85273	-0.07967	0.08545
0.0724	-0.0094	0.83952	-0.04861	0.29455	0.05714985	0.21768	0.179584	9.53E-05
0.0847	0.121431	0.00862	0.008517	0.85435	-0.028516	0.53875	0.024022	0.6046
0.01009	0.04026	0.38536	0.033929	0.4645	-0.0182607	0.69388	-0.03221	0.48748
0.01935	0.174473	0.00015	0.099472	0.03162	0.10320074	0.02574	0.076342	0.0994
0.79977	0.099065	0.03233	0.020411	0.65997	-0.0091534	0.84361	0.003526	0.93943
0.98455	0.047555	0.30513	0.154774	0.00079	0.10689972	0.02086	0.092599	0.0455
0.9715	0.012452	0.78841	-0.0383	0.409	-0.0468438	0.31243	-0.01575	0.73434
4.77E-11	-0.16322	0.0004	-0.13133	0.00447	0.16773792	0.00027	0.227634	6.65E-07
0.2174	0.068853	0.13736	0.062262	0.17921	0.05147408	0.26695	0.155742	0.00073
0.04496	-0.0656	0.15698	0.092845	0.04493	0.23827582	1.88E-07	0.038971	0.40078
1.66E-05	-0.07359	0.11224	-0.13085	0.00462	0.06765785	0.14433	0.012216	0.79232
0.0059	0.154734	0.00079	0.110085	0.01732	-0.0013992	0.97594	-0.02739	0.55495
0.05016	-0.04157	0.37013	0.24999	4.37E-08	0.29904841	4.20E-11	0.055191	0.23389
3.79E-06	0.089448	0.0534	0.062076	0.18051	-0.0887143	0.05539	-0.17677	0.00012
0.53165	0.125465	0.00663	0.06021	0.194	-0.0223525	0.62994	0.061983	0.18117
1.64E-17	-0.05687	0.21994	0.086544	0.06166	0.25141275	3.65E-08	0.199279	1.43E-05
0.37741	0.080626	0.08177	0.001505	0.97413	0.07102036	0.12538	0.122117	0.00825
0.00321	0.117518	0.01103	0.098129	0.03401	0.10135996	0.02851	0.101163	0.02882
2.53E-06	-0.02102	0.65053	-0.1086	0.0189	0.07261474	0.1171	0.158456	0.00059
0.55629	-0.03719	0.4227	-0.11343	0.01418	-0.2029016	9.91E-06	-0.2404	1.45E-07
0.35725	-0.12689	0.00603	-0.17547	0.00014	0.05726578	0.21675	0.176418	0.00013
0.56288	-0.06179	0.18253	0.00927	0.84165	0.10675882	0.02103	0.127357	0.00585
0.32567	-0.01122	0.80885	-0.14051	0.00234	-0.1212725	0.00871	-0.17607	0.00013
0.8185	0.001839	0.96838	0.058139	0.20981	0.0869728	0.06038	0.041263	0.37363
0.52033	-0.06301	0.17405	-0.09355	0.04331	-0.0786214	0.08968	-0.04016	0.3866
0.00062	0.117737	0.01089	0.102828	0.02628	0.08934102	0.05369	-0.01933	0.67687
0.16701	0.061324	0.18586	0.047497	0.30571	-0.0541631	0.24273	-0.05796	0.21123
0.47293	-0.00427	0.92676	-0.0415	0.37093	0.03545643	0.44462	0.120236	0.0093
1.88E-10	-0.04492	0.33278	-0.0044	0.92441	-0.0341561	0.46151	-0.05798	0.21107
0.99352	0.097452	0.03526	0.040989	0.37682	-0.0221385	0.63322	-0.02205	0.63464
4.66E-07	0.167997	0.00027	0.052904	0.25387	-0.0799393	0.08441	-0.21045	4.49E-06

0.22421	0.137269	0.00295	0.134042	0.00371	0.05646593	0.22325	0.018829	0.68486
0.66929	-0.0261	0.57376	0.163481	0.00039	-0.0508269	0.27302	-0.1735	0.00016
0.08952	0.310773	6.48E-12	0.402599	1.27E-19	0.13023936	0.00482	0.032975	0.47716
0.60011	0.233849	3.20E-07	0.30259	2.41E-11	0.05514191	0.23431	-0.07564	0.10255
3.80E-09	0.001217	0.97907	0.156714	0.00068	-0.06359	0.1701	-0.12184	0.0084
1.76E-08	-0.2881	2.23E-10	-0.16615	0.00031	-0.0421861	0.36303	-0.06868	0.13835
9.41E-10	-0.05685	0.22011	0.036625	0.42975	0.13569599	0.0033	0.172007	0.00019
0.69084	-0.08511	0.06611	-0.00243	0.9582	-0.0833028	0.0721	-0.26004	1.18E-08
0.63378	-0.10646	0.02139	-0.09727	0.0356	-0.0446309	0.33586	-0.09094	0.04952
0.55133	-0.14837	0.0013	-0.22558	8.42E-07	-0.1198684	0.00952	-0.0705	0.12819
0.75321	0.003359	0.94228	-0.04522	0.32947	0.06634323	0.15231	0.081665	0.0779
0.52969	-0.06789	0.14294	-0.04037	0.38406	0.0656008	0.15696	0.041832	0.36707
0.0017	0.274871	1.53E-09	0.188654	4.08E-05	-0.0004601	0.99209	-0.06859	0.13887
1.04E-05	0.190261	3.50E-05	0.041416	0.37187	-0.1801266	9.07E-05	-0.25922	1.31E-08
0.01818	0.157789	0.00062	0.039101	0.39921	-0.0095376	0.83713	0.052091	0.26125
0.56997	0.09913	0.03221	0.49673	1.81E-30	0.47126966	3.40E-27	0.282488	5.12E-10
0.18776	-0.04995	0.2814	-0.08119	0.07965	-0.0175166	0.70576	0.171536	0.0002
0.10866	-0.10141	0.02843	0.120667	0.00905	-0.0365483	0.43072	-0.10672	0.02107
0.00234	-0.00686	0.88249	-0.07785	0.09288	0.0154299	0.73946	0.058242	0.209
0.01639	-0.04326	0.35097	-0.15522	0.00076	-0.0475692	0.30498	-0.02324	0.61645
0.10953	-0.10192	0.02765	-0.17271	0.00018	-0.0227444	0.62395	0.014942	0.74741
3.96E-07	-0.19224	2.89E-05	-0.22599	8.03E-07	-0.0804578	0.08241	0.002073	0.96437
0.07362	0.162462	0.00042	0.186578	4.97E-05	0.13973626	0.00247	0.081934	0.07692
0.32442	0.087725	0.05818	0.007651	0.86902	0.03448535	0.4572	0.009387	0.83967
0.0045	-0.22973	5.21E-07	-0.20972	4.86E-06	0.06196132	0.18132	-0.0914	0.04839
0.11582	0.013619	0.76911	-0.2369	2.22E-07	-0.1171131	0.01132	-0.17674	0.00012
0.00022	0.144782	0.00171	0.148039	0.00134	0.23228086	3.86E-07	0.202054	1.08E-05
0.4448	-0.10874	0.01874	-0.09545	0.03922	-0.1643418	0.00036	-0.09412	0.04206
0.33264	0.044925	0.33269	0.0406	0.38136	0.23534858	2.68E-07	0.256286	1.94E-08
0.14022	0.257894	1.57E-08	0.275194	1.46E-09	0.34807571	9.53E-15	0.174709	0.00015
0.0401	-0.09851	0.03332	-0.11841	0.01044	-0.3689685	1.65E-16	-0.31892	1.68E-12
0.05385	-0.01639	0.72396	-0.12853	0.00541	-0.1475775	0.00138	-0.13989	0.00245
7.15E-20	-0.113	0.01455	0.008586	0.85318	0.08523176	0.06573	0.000844	0.98548
0.4457	0.154947	0.00078	0.094617	0.04097	-0.0509574	0.27178	-0.03653	0.43097
0.79225	-0.03722	0.42229	-0.06048	0.19203	-0.0221945	0.63236	0.042757	0.35656
0.12191	0.062226	0.17946	0.01219	0.79275	-0.0033422	0.94258	-0.05623	0.22519
0.23948	0.139272	0.00256	0.061331	0.18581	-0.0099949	0.82944	-0.0006	0.98968
0.05675	0.00653	0.88808	-0.18731	4.64E-05	-0.1834292	6.69E-05	-0.20193	1.09E-05
0.0156	0.0092	0.84282	-0.1621	0.00044	-0.3860632	4.78E-18	-0.37283	7.56E-17
1.04E-05	-0.0924	0.04597	-0.10164	0.02807	-0.0174298	0.70715	0.005477	0.90604
0.1624	-0.00271	0.95337	0.069086	0.13603	0.06034939	0.19297	-0.05879	0.20478
4.49E-07	-0.14982	0.00116	-0.12101	0.00885	-0.0212378	0.64711	0.07513	0.10491
0.55672	0.229209	5.53E-07	0.107545	0.02009	-0.0721071	0.11968	0.036237	0.43465
5.47E-12	0.168133	0.00026	0.138539	0.0027	0.00698516	0.88033	-0.11011	0.01729
8.97E-06	-0.10032	0.03018	-0.1455	0.00162	-0.031823	0.49269	-0.09224	0.04635

0.06954	0.026914	0.5618	-0.05363	0.24744	-0.0115612	0.80322	-0.03189	0.49181
0.00141	0.038954	0.40099	-0.11925	0.0099	-0.058724	0.20525	0.054059	0.24363
0.0117	-0.21759	2.07E-06	-0.23112	4.43E-07	-0.0972407	0.03566	0.024251	0.60116
0.36888	-0.05951	0.19926	-0.10047	0.02995	-0.117244	0.01122	-0.09134	0.04853
0.0074	-0.00871	0.85103	-0.01494	0.74745	-0.0312441	0.5006	-0.00422	0.92758
0.85787	-0.03351	0.47004	-0.13597	0.00324	-0.0608692	0.18915	-0.02261	0.62607
0.00073	0.217711	2.04E-06	0.064364	0.16495	-0.0883154	0.0565	-0.07428	0.10889
0.22426	-0.00849	0.85481	-0.07298	0.11526	-0.059158	0.20192	-0.06573	0.15612
0.51822	0.067411	0.1458	-0.02309	0.61875	-0.0771551	0.09584	-0.08082	0.08105
9.21E-05	-0.18385	6.43E-05	-0.13165	0.00437	-0.0566024	0.22213	-0.07684	0.09721
6.38E-10	-0.15352	0.00087	-0.14723	0.00142	-0.1621556	0.00043	-0.17061	0.00021
0.24692	-0.23781	1.99E-07	-0.23952	1.62E-07	-0.0102723	0.82478	0.151484	0.00102
0.00032	-0.02367	0.60995	0.080566	0.082	0.10446212	0.02397	0.062112	0.18026
0.83255	-0.22418	9.88E-07	0.041499	0.37091	0.07457519	0.10751	0.046364	0.31741
0.25265	-0.08289	0.07354	0.18177	7.80E-05	0.210903	4.28E-06	0.119349	0.00984
0.69348	0.181553	7.96E-05	0.045444	0.32712	0.08667771	0.06126	-0.02578	0.57847
0.32309	-0.08133	0.07911	0.051118	0.27027	0.23005671	5.01E-07	0.112117	0.01535
0.42936	0.18379	6.46E-05	0.315525	2.97E-12	0.30309411	2.23E-11	0.168557	0.00025
0.6263	0.160982	0.00048	0.044314	0.33931	0.07303345	0.11499	-0.00361	0.93795
0.31011	-0.02455	0.59675	-0.05773	0.21302	-0.0135453	0.77033	-0.12843	0.00544
0.09124	-0.1042	0.02433	-0.04516	0.33017	0.09839874	0.03351	0.014615	0.75276
0.22083	-0.00017	0.99701	-0.13995	0.00244	-0.0069313	0.88125	0.01364	0.76877
0.49131	-0.00958	0.8365	-0.23711	2.17E-07	-0.1477797	0.00136	-0.13607	0.00322
0.33467	-0.08919	0.05409	-0.37393	6.04E-17	-0.1366402	0.00309	-0.06878	0.1378
0.0245	0.06583	0.15551	0.144917	0.00169	0.08910458	0.05433	0.035546	0.44347
0.0369	0.151801	0.001	0.119647	0.00965	0.05397017	0.24441	0.018195	0.69493
0.46859	0.299901	3.68E-11	0.335606	9.32E-14	0.13552083	0.00334	-0.02014	0.66423
0.00127	0.237017	2.19E-07	0.149131	0.00123	-0.0355361	0.4436	-0.06631	0.15255
0.73767	0.051671	0.26512	0.018447	0.69092	-0.0454893	0.32664	0.033241	0.47361
3.24E-05	0.039409	0.3955	0.064828	0.16192	-0.1130287	0.01453	-0.27723	1.10E-09
0.3005	0.075493	0.10323	0.062945	0.17447	-0.0538828	0.24518	-0.07207	0.11986
0.2461	0.147583	0.00138	0.164456	0.00036	0.23417954	3.08E-07	0.276558	1.21E-09
1.91E-05	0.077364	0.09494	-0.0238	0.60791	-0.1507401	0.00109	-0.1801	9.10E-05
0.02502	0.145253	0.00165	0.083982	0.0698	0.05982598	0.19686	0.144427	0.00175
4.92E-07	-0.14045	0.00235	-0.14201	0.0021	0.20364656	9.18E-06	0.186164	5.17E-05
0.00114	0.01193	0.79708	0.032458	0.48409	0.01357274	0.76988	-0.10831	0.01922
0.70519	-0.02438	0.59918	0.034971	0.45088	0.23433579	3.02E-07	0.152763	0.00093
0.14693	-0.17413	0.00016	-0.02711	0.55898	0.1142428	0.0135	0.080861	0.08088
0.09234	0.287624	2.40E-10	0.21424	2.99E-06	0.19902906	1.47E-05	0.141414	0.00219
0.38507	0.026101	0.57368	-0.08555	0.06473	-0.0199074	0.66786	0.022299	0.63076
0.79809	-0.00224	0.96155	-0.13384	0.00376	0.08117303	0.07971	0.032903	0.47812
6.59E-07	0.037692	0.41643	0.071661	0.122	0.09747523	0.03522	0.006541	0.88789
6.50E-06	0.09197	0.04699	0.031825	0.49267	0.09262263	0.04544	-0.01836	0.69227
0.00011	0.156128	0.00071	0.064332	0.16515	-0.1403255	0.00237	-0.22925	5.51E-07
0.50134	-0.1627	0.00042	-0.20903	5.23E-06	-0.1952247	2.15E-05	-0.22233	1.22E-06

1.43E-11	0.231408	4.28E-07	0.131081	0.00455	0.02465007	0.59518	-0.00537	0.90781
0.36379	0.307009	1.19E-11	0.104528	0.02388	0.1661818	0.00031	0.007267	0.87553
0.10776	-0.08248	0.07496	-0.09075	0.05	-0.0135311	0.77056	0.096828	0.03646
0.57168	-0.22923	5.52E-07	-0.01121	0.80917	-0.0012204	0.97902	-0.16459	0.00035
0.1062	-0.00624	0.89302	-0.09328	0.04394	-0.00725	0.87583	-0.07845	0.09039
0.1537	-0.06497	0.16097	-0.02056	0.65771	0.02109523	0.64932	-0.02353	0.61208
1.23E-05	-0.1239	0.00735	-0.21191	3.84E-06	-0.2529967	2.97E-08	-0.33019	2.43E-13
0.14633	-0.10647	0.02138	-0.1597	0.00053	-0.0610386	0.18792	-0.03497	0.4509
0.01998	-0.11251	0.015	-0.01972	0.67082	0.04745504	0.30615	0.031587	0.49591
0.64937	-0.05638	0.22392	-0.06326	0.1723	-0.0055581	0.90465	0.040235	0.38567
0.11218	0.17101	0.0002	0.008153	0.86052	-0.0670362	0.14806	-0.02951	0.52473
0.83018	-0.00124	0.97873	0.030215	0.51482	0.27027073	2.92E-09	0.136402	0.00314
0.14584	0.104136	0.02442	-0.03998	0.38873	0.02561401	0.58086	0.072248	0.11896
0.66346	-0.05387	0.24525	-0.09319	0.04413	-0.1722681	0.00018	-0.15877	0.00057
6.32E-18	0.008256	0.85878	0.083837	0.07029	0.18229133	7.43E-05	0.2435	9.91E-08
0.9968	-0.07345	0.11291	-0.14528	0.00165	-0.1010498	0.029	-0.02181	0.63829
0.15959	-0.04099	0.37684	-0.04714	0.30939	-0.0452345	0.32936	-0.05858	0.20633
0.17874	0.004169	0.9284	-0.02201	0.63518	-0.0279379	0.54701	-0.04444	0.33793
0.99043	0.095664	0.03878	-0.05586	0.22823	0.0322199	0.48731	0.079591	0.08578
0.08284	-0.10631	0.02158	-0.12547	0.00663	-0.0372628	0.42176	-0.02184	0.63782
0.00041	0.272762	2.06E-09	0.150147	0.00114	0.31818223	1.90E-12	0.281826	5.64E-10
0.25595	0.2393	1.66E-07	0.193777	2.48E-05	0.13199685	0.00427	0.165441	0.00033
0.04745	0.228909	5.73E-07	0.097945	0.03434	0.07049669	0.1282	0.142605	0.00201
0.21735	-0.10996	0.01745	-0.06596	0.1547	-0.0085172	0.85435	0.010909	0.81411
9.20E-08	-0.00516	0.91149	-0.04165	0.36915	-0.0663525	0.15225	-0.1042	0.02434
0.57141	0.328915	3.04E-13	0.08039	0.08267	-0.0075474	0.87078	-0.01091	0.81408
0.17062	0.211554	3.99E-06	0.096794	0.03652	-0.063523	0.17055	-0.07031	0.12922
5.54E-23	-0.04655	0.31546	0.041684	0.36878	0.1153841	0.01259	0.083575	0.07117
3.12E-06	0.0929	0.0448	0.015257	0.74227	0.05635124	0.22419	0.058996	0.20316
0.92359	0.035904	0.43889	-0.00615	0.89455	0.07994361	0.0844	0.13785	0.00283
2.20E-20	0.090431	0.05082	0.027169	0.55811	0.09415389	0.04198	0.172279	0.00018
0.54846	-0.01757	0.70486	-0.02153	0.64256	-0.0618849	0.18186	-0.05545	0.23168
0.00131	0.192398	2.84E-05	0.11765	0.01094	-0.0853995	0.06519	-0.09094	0.04953
2.01E-05	-0.03008	0.51674	0.027072	0.55951	0.28915923	1.91E-10	0.314002	3.82E-12
0.00193	-0.02182	0.63813	-0.04514	0.33038	0.17630419	0.00013	0.251883	3.43E-08
1.09E-05	0.072617	0.11709	-0.0303	0.5137	-0.0050741	0.91292	-0.05644	0.22349
0.00354	0.237778	2.00E-07	0.085245	0.06569	-0.0446887	0.33523	-0.14715	0.00143
9.35E-08	0.028372	0.5408	0.126885	0.00604	0.37715056	3.11E-17	0.226108	7.92E-07
0.00772	-0.09839	0.03352	-0.08117	0.07971	-0.0424735	0.35976	0.01268	0.78463
0.0003	0.193979	2.43E-05	0.075223	0.10448	0.24825077	5.46E-08	0.286162	2.98E-10
0.00954	-0.30937	8.15E-12	-0.1404	0.00236	0.0856469	0.06442	0.125115	0.00679
0.02369	-0.08073	0.08136	-0.13759	0.00289	-0.0295462	0.52417	-0.21006	4.69E-06
0.15246	0.035482	0.4443	0.075335	0.10396	0.0424753	0.35974	-0.00542	0.90705
0.00061	-0.26593	5.32E-09	-0.01909	0.68077	0.30525774	1.58E-11	0.280793	6.56E-10
0.12147	-0.0112	0.80933	-0.13635	0.00315	-0.1938621	2.46E-05	-0.16772	0.00027

0.00642	0.085237	0.06571	0.131346	0.00447	0.09464098	0.04092	0.072237	0.11902
7.75E-05	0.123603	0.00749	0.151786	0.001	0.08900687	0.05459	0.023685	0.60967
1.61E-07	-0.07682	0.09731	-0.17147	0.0002	-0.2732969	1.91E-09	-0.29639	6.35E-11
0.41966	0.171688	0.00019	0.127524	0.00579	-0.0494586	0.28615	-0.12109	0.00881
0.00012	0.154259	0.00082	0.196147	1.96E-05	0.07588959	0.10143	0.137865	0.00283
0.0436	0.014413	0.75607	0.106854	0.02091	0.17579274	0.00013	0.237127	2.16E-07
0.01608	0.124956	0.00686	0.104138	0.02441	0.38977117	2.16E-18	0.30683	1.23E-11
0.02771	0.161038	0.00048	-0.00651	0.88842	-0.1334556	0.00386	-0.12117	0.00876
0.20753	0.133065	0.00397	0.005545	0.90487	-0.1003823	0.03009	-0.01154	0.80363
0.05383	0.076238	0.09987	-0.10874	0.01874	-0.3579653	1.45E-15	-0.28604	3.04E-10
0.88698	-0.0128	0.78263	-0.1947	2.27E-05	-0.1306596	0.00468	-0.06308	0.17353
0.38353	0.026083	0.57395	-0.0015	0.97416	-0.011583	0.80286	0.041016	0.37651
0.38723	0.078563	0.08992	-0.03505	0.44984	-0.1075911	0.02004	-0.04939	0.28679
0.25725	0.109568	0.01786	0.103172	0.02578	-0.1986967	1.52E-05	-0.13666	0.00308
0.06858	0.142205	0.00207	0.037106	0.42371	-0.1209109	0.00891	-0.01256	0.78669
0.20911	0.008631	0.85243	0.014691	0.75151	0.13415246	0.00368	0.156126	0.00071
0.79603	-0.06228	0.17908	0.033335	0.47236	0.24790063	5.71E-08	0.224914	9.09E-07
0.10551	0.074637	0.10721	0.035553	0.44338	0.12240619	0.00809	0.240446	1.44E-07
0.30527	-0.30633	1.33E-11	-0.14012	0.00241	0.16501347	0.00034	-0.02843	0.53996
7.90E-06	-0.11581	0.01227	-0.04959	0.28487	0.03697331	0.42537	0.081616	0.07808
0.7244	-0.00497	0.91469	-0.11535	0.01262	-0.091134	0.04904	-0.04932	0.2875
0.18609	0.033302	0.4728	-0.09409	0.04213	-0.0823638	0.07538	-0.03816	0.41063
0.88641	-0.01263	0.78544	0.102316	0.02704	0.14173835	0.00214	-0.04851	0.29554
0.23172	-0.064	0.16736	-0.01018	0.82625	0.03008135	0.51668	0.029482	0.52508
0.86074	0.168266	0.00026	0.219602	1.66E-06	0.2702139	2.95E-09	0.281166	6.21E-10
0.1922	0.148916	0.00125	0.041242	0.37387	0.02126648	0.64667	-0.10962	0.0178
0.68996	0.038582	0.40549	-0.02283	0.62261	-0.013381	0.77304	0.011	0.8126
0.49552	0.067239	0.14684	0.028721	0.53583	0.07525241	0.10434	0.065586	0.15706
3.07E-07	-0.01926	0.67807	-0.03113	0.50211	-0.077845	0.0929	-0.13221	0.00421
8.64E-06	0.163673	0.00038	0.034225	0.46061	-0.1876375	4.50E-05	-0.21592	2.49E-06
0.72872	0.094405	0.04143	0.080971	0.08047	-0.0151933	0.74331	-0.07941	0.0865
0.19477	0.030153	0.51568	0.020403	0.6601	0.09207868	0.04673	0.143236	0.00192
2.05E-07	-0.02986	0.51971	0.022532	0.6272	0.06859695	0.13883	0.058091	0.21018
0.54419	0.082656	0.07435	0.108913	0.01856	0.09677366	0.03656	0.043879	0.34407
0.1174	0.07134	0.12368	0.089832	0.05238	0.03703185	0.42464	-0.02523	0.58653
0.10512	0.219834	1.61E-06	0.222139	1.25E-06	0.02050506	0.65851	-0.0489	0.29163
0.0584	0.175643	0.00014	0.043472	0.34857	-0.0428153	0.35591	-0.09229	0.04623
0.89565	0.071012	0.12542	-0.11232	0.01516	-0.0691521	0.13565	-0.09774	0.03473
0.0002	0.103077	0.02592	0.06297	0.17431	0.08790263	0.05767	0.063652	0.16968
0.6912	0.035852	0.43956	0.066805	0.14947	-0.015974	0.73062	-0.0638	0.16866
0.30678	0.132618	0.00409	0.075809	0.1018	0.04386004	0.34428	0.049537	0.28539
3.47E-15	0.113953	0.01374	0.016292	0.72547	-0.0160462	0.72945	-0.04234	0.36125
0.00995	0.253812	2.67E-08	0.089005	0.0546	0.03413272	0.46182	0.009656	0.83514
0.20271	0.244243	9.03E-08	0.139853	0.00245	0.0567911	0.22059	-0.00297	0.94894
0.97938	0.041598	0.36976	0.053365	0.24975	0.0390154	0.40024	0.010216	0.82572

0.72079	0.230857	4.56E-07	0.112764	0.01476	0.06085033	0.18929	0.041275	0.37349
0.11347	0.057586	0.21418	0.024668	0.59492	0.02986255	0.51974	0.016466	0.72266
0.18002	0.171655	0.00019	0.103801	0.02488	0.19271481	2.76E-05	0.103571	0.02521
6.20E-24	0.042536	0.35906	0.106961	0.02078	0.24108185	1.34E-07	0.204279	8.60E-06
0.26785	0.097433	0.0353	0.081995	0.0767	-0.0005715	0.99017	-0.00028	0.99511
0.20783	0.116469	0.01178	0.022985	0.62028	0.00709467	0.87847	0.071779	0.12138
0.67967	0.021483	0.64332	0.016291	0.72549	0.0646405	0.16313	0.101116	0.0289
0.60112	0.04055	0.38195	0.029188	0.52922	0.07081223	0.12649	0.102305	0.02706
0.15344	0.024421	0.59861	-0.07552	0.10311	-0.0245902	0.59607	-0.02836	0.541
0.07309	-0.06474	0.16246	-0.12731	0.00587	0.18968657	3.70E-05	0.252337	3.24E-08
2.03E-13	0.239094	1.70E-07	0.191657	3.05E-05	0.16885923	0.00025	0.192769	2.74E-05
0.63049	0.058076	0.2103	-0.07418	0.1094	-0.0206261	0.65662	0.041921	0.36605
0.80432	-0.15288	0.00092	-0.05142	0.26744	0.09034199	0.05105	0.190795	3.32E-05
0.31173	0.073213	0.1141	0.033833	0.46577	0.0751345	0.10489	-0.10394	0.0247
0.58048	-0.0957	0.03871	-0.05642	0.2236	0.07006271	0.13057	0.109861	0.01755
7.79E-06	0.174642	0.00015	0.217746	2.03E-06	0.22757681	6.69E-07	0.087779	0.05803
0.00011	-0.05109	0.27055	-0.03235	0.48553	0.06017248	0.19428	-0.04724	0.30832
0.6293	-0.02116	0.64831	-0.16156	0.00046	0.01674545	0.71815	0.067491	0.14532
0.03167	0.286951	2.65E-10	0.114319	0.01344	-0.1316869	0.00436	-0.18861	4.10E-05
0.33861	0.102908	0.02616	-0.03899	0.40054	-0.0429826	0.35403	0.064493	0.1641
0.63892	0.035179	0.4482	-0.17688	0.00012	-0.171857	0.00019	-0.21495	2.77E-06
0.26559	0.171562	0.0002	0.088767	0.05525	-0.044558	0.33665	0.064143	0.1664
0.18482	0.082784	0.0739	0.068296	0.14057	-0.0351161	0.44901	-0.06098	0.18838
0.20836	0.049878	0.28208	-0.01185	0.79846	-0.0109922	0.81272	-0.01238	0.78954
0.00017	-0.08231	0.07559	0.05745	0.21527	0.26355102	7.35E-09	0.141613	0.00216
0.006	0.340389	3.93E-14	0.326132	4.92E-13	0.1520941	0.00098	0.104139	0.02441
0.98511	-0.16406	0.00037	-0.10001	0.03071	-0.0247381	0.59386	-0.05854	0.20666
0.00626	0.089139	0.05423	0.136912	0.00303	0.19902816	1.47E-05	0.263284	7.62E-09
0.41471	-0.0495	0.28571	-0.02975	0.52136	-0.1088254	0.01865	-0.16805	0.00026
0.34848	-0.24118	1.32E-07	-0.1137	0.01395	-0.0185359	0.68951	-0.0682	0.14115
0.00189	0.039969	0.38881	-0.01452	0.75439	-0.102545	0.0267	-0.11477	0.01308
0.00036	0.07445	0.1081	-0.10865	0.01884	-0.2843086	3.92E-10	-0.29576	7.00E-11
0.05642	0.05386	0.24538	-0.045	0.33186	-0.1515395	0.00102	-0.15789	0.00062
0.02058	0.159695	0.00053	0.162652	0.00042	0.1554692	0.00075	-0.03491	0.45166
6.90E-12	0.01962	0.67237	0.107618	0.02001	0.27982283	7.55E-10	0.22192	1.28E-06
0.75349	0.301833	2.72E-11	0.22497	9.03E-07	0.05190301	0.26298	-0.07058	0.12777
0.58516	-0.33158	1.90E-13	-0.26547	5.67E-09	-0.130317	0.00479	-0.1395	0.00252
0.96868	0.200255	1.30E-05	0.249693	4.54E-08	0.1192803	0.00988	-0.07141	0.1233
0.81464	-0.03905	0.3998	0.078389	0.09063	0.04922714	0.28842	-0.07609	0.10053
0.52225	0.070052	0.13062	0.088537	0.05589	0.08364666	0.07093	0.037879	0.41411
9.60E-05	0.053784	0.24605	-0.01805	0.69728	0.04638198	0.31723	0.090662	0.05023
2.04E-07	0.172656	0.00018	0.077767	0.09323	0.04874757	0.29315	0.0893	0.0538
0.72228	0.094566	0.04108	0.046248	0.31863	0.00847746	0.85502	0.017608	0.70429
2.05E-06	-0.06009	0.1949	-0.04421	0.34047	-0.1049978	0.02326	-0.22215	1.24E-06
0.06044	-0.0532	0.25124	-0.2075	6.15E-06	-0.0218637	0.63745	0.047771	0.30293

0.30996	-0.02083	0.65345	-0.03977	0.39118	-0.0008372	0.9856	0.058724	0.20525
0.55414	0.13944	0.00253	0.020662	0.65606	-0.0024726	0.9575	0.034824	0.4528
0.13533	0.205305	7.73E-06	0.131275	0.00449	0.08292222	0.07341	0.110558	0.01684
0.28442	0.085949	0.06348	-0.01886	0.68432	0.07085773	0.12625	0.149129	0.00123
0.38598	0.15223	0.00097	-0.03124	0.50059	0.03098907	0.5041	0.059307	0.20078
0.53466	0.111759	0.01568	0.063256	0.17235	0.03229519	0.48629	0.031966	0.49075
1.59E-08	-0.09446	0.04131	0.067771	0.14366	0.1768518	0.00012	0.192731	2.75E-05
0.36799	0.054676	0.23829	-0.0704	0.1287	-0.0367345	0.42837	0.00198	0.96596
0.84658	0.137754	0.00285	0.048611	0.29451	0.05244507	0.25802	0.117545	0.01102
0.38957	0.122124	0.00824	0.103463	0.02536	0.07342036	0.11308	0.064075	0.16685
0.2984	0.095322	0.03948	0.101505	0.02828	0.03873795	0.4036	0.021076	0.64963
0.2253	0.242097	1.18E-07	0.177978	0.00011	0.05138415	0.26779	0.06706	0.14792
0.65318	0.026707	0.56481	0.128013	0.0056	0.31646015	2.54E-12	0.080425	0.08254
0.34375	0.29902	4.22E-11	0.17637	0.00013	-0.1399519	0.00244	-0.16368	0.00038
0.12113	-0.03883	0.40255	-0.1325	0.00413	-0.005989	0.8973	-0.13391	0.00374
0.0259	0.018052	0.6972	0.085763	0.06405	0.29314512	1.04E-10	0.185531	5.49E-05
0.01074	0.070035	0.13072	0.054728	0.23784	0.06753565	0.14506	0.073986	0.11032
0.05412	-0.03319	0.47425	-0.04882	0.29244	0.02249487	0.62776	0.117461	0.01107
0.00346	0.210006	4.71E-06	0.152242	0.00097	-0.011203	0.8092	-0.04674	0.31354
2.38E-16	-0.16197	0.00044	-0.05796	0.21122	0.0880306	0.05731	0.083522	0.07135
0.02357	-0.09453	0.04116	-0.04339	0.34945	0.09343386	0.04358	0.173933	0.00016
4.85E-07	0.087112	0.05997	0.01554	0.73768	0.00160939	0.97233	0.031599	0.49575
0.61854	-0.10047	0.02993	-0.03874	0.40352	0.04002189	0.38819	-0.02753	0.55286
0.87469	0.151799	0.001	0.033172	0.47453	-0.0623969	0.17827	-0.04526	0.3291
0.83813	-0.00748	0.872	-0.00756	0.87055	0.05912278	0.20219	0.078783	0.08902
0.38875	0.078076	0.09193	-0.00888	0.84824	0.06153443	0.18435	-0.08838	0.05632
0.02139	0.060603	0.1911	0.131324	0.00447	-0.067419	0.14576	-0.25569	2.09E-08
0.09952	-0.15706	0.00066	-0.10873	0.01876	-0.165965	0.00032	-0.28231	5.26E-10
4.31E-05	0.081404	0.07886	-0.01729	0.70943	-0.0304907	0.51099	0.003697	0.93649
0.94229	0.327744	3.72E-13	0.254758	2.36E-08	0.18202494	7.62E-05	0.12634	0.00626
1.21E-05	-0.09507	0.04001	-0.02022	0.6629	0.08182953	0.0773	0.18838	4.19E-05
0.01089	0.060311	0.19325	0.17405	0.00016	0.16589273	0.00032	-0.04964	0.28435
0.27246	-0.06106	0.18777	-0.10999	0.01742	-0.1890807	3.92E-05	-0.20804	5.81E-06
0.00678	-0.18048	8.78E-05	-0.09817	0.03394	0.14635322	0.00152	0.128049	0.00559
0.86873	-0.03521	0.44774	-0.09086	0.04973	-0.0318589	0.4922	-0.03722	0.42224
0.80577	-0.26148	9.72E-09	-0.07993	0.08444	-0.0645274	0.16387	-0.12339	0.0076
0.05892	-0.12287	0.00786	-0.04763	0.30441	0.16613967	0.00031	0.242415	1.13E-07
0.02202	-0.15418	0.00083	-0.16634	0.00031	-0.2273404	6.88E-07	-0.27516	1.47E-09
0.01579	-0.21516	2.70E-06	-0.1525	0.00095	-0.0916951	0.04766	-0.10144	0.02839
3.17E-10	-0.01773	0.70239	-0.0445	0.33729	0.09029947	0.05116	0.159322	0.00055
0.18817	0.266338	5.03E-09	0.1705	0.00021	0.09295944	0.04466	0.045336	0.32827
0.99064	0.070717	0.12701	0.035419	0.4451	-0.0434099	0.34926	-0.01135	0.80669
0.09568	0.161922	0.00044	0.043746	0.34554	-0.0406281	0.38104	-0.04893	0.29135
0.24329	0.059469	0.19955	0.077462	0.09453	0.0819453	0.07688	0.068768	0.13785
0.01288	0.010695	0.8177	-0.21335	3.29E-06	-0.1510882	0.00106	-0.14736	0.00141



0.0015	-0.14156	0.00217	-0.11251	0.01499	0.08823652	0.05673	0.204865	8.09E-06
6.69E-05	0.086534	0.06169	0.02522	0.5867	0.03092571	0.50498	0.10576	0.02227
2.25E-08	0.16243	0.00042	0.032561	0.48271	0.04199614	0.36519	0.096502	0.0371
0.48078	-0.1738	0.00016	-0.24418	9.11E-08	-0.1769557	0.00012	-0.16457	0.00036
0.64148	-0.04959	0.28489	-0.20409	8.77E-06	-0.1457792	0.00158	-0.13813	0.00278
0.24433	0.011088	0.81113	0.018059	0.69709	0.08112782	0.07988	0.134347	0.00363
0.89935	0.200557	1.26E-05	0.007794	0.86659	0.07117749	0.12454	0.105618	0.02245
0.00641	0.111062	0.01635	0.101453	0.02837	-0.0782298	0.09129	-0.09221	0.04642
0.47664	-0.14131	0.00221	-0.17063	0.00021	-0.1483706	0.0013	-0.21366	3.18E-06
0.64399	0.01778	0.70154	-0.03072	0.50783	0.01937049	0.6763	-0.06055	0.19148
0.93983	-0.03698	0.42529	-0.18691	4.82E-05	0.01195937	0.79659	-0.0817	0.07776
0.48878	0.020781	0.6542	0.017538	0.70542	-0.0373612	0.42053	-0.05038	0.27726
3.99E-05	0.054936	0.23606	-0.05409	0.24335	0.01423527	0.75898	0.046211	0.31901
0.67335	-0.10514	0.02306	-0.01495	0.74728	0.03872548	0.40375	0.028215	0.54305
2.25E-13	0.047045	0.31035	-0.0155	0.73838	-0.0395073	0.39432	-0.09747	0.03522
0.32422	0.04011	0.38714	0.025424	0.58366	-0.0012518	0.97848	-0.0091	0.84445
0.73726	0.223873	1.02E-06	0.177917	0.00011	0.01693742	0.71506	-0.02955	0.52406
0.02402	0.225999	8.02E-07	0.201991	1.09E-05	0.35869928	1.26E-15	0.304576	1.76E-11
0.0739	0.243597	9.79E-08	0.204861	8.10E-06	0.46711642	1.10E-26	0.337159	7.05E-14
0.11672	0.221262	1.37E-06	0.364315	4.19E-16	0.18094316	8.42E-05	0.166283	0.00031
0.31877	0.040284	0.38508	-0.08783	0.05788	0.02523403	0.58648	-0.02672	0.56466
0.96568	-0.11536	0.01261	-0.10613	0.0218	-0.1093371	0.0181	-0.17975	9.39E-05
0.20816	-0.05641	0.2237	-0.13394	0.00373	-0.1293544	0.00512	-0.13711	0.00299
0.03499	0.157397	0.00064	0.282243	5.31E-10	0.26118898	1.01E-08	0.192513	2.81E-05
0.46058	-0.07952	0.08604	-0.11522	0.01272	-0.1596897	0.00053	-0.15609	0.00071
0.51029	-0.09804	0.03418	-0.11917	0.00995	-0.116932	0.01144	-0.1072	0.0205
0.33164	0.014074	0.76163	-0.04987	0.28213	-0.0997073	0.03122	-0.08608	0.06307
0.30797	0.15213	0.00097	0.055229	0.23357	0.03422791	0.46057	-0.00282	0.95156
0.54145	-0.02179	0.63865	-0.03025	0.51428	0.00485506	0.91666	0.052022	0.26189
0.87893	-0.14547	0.00162	-0.27706	1.12E-09	-0.041034	0.37629	-0.11792	0.01076
0.86016	-0.05143	0.26733	0.03568	0.44176	0.0238142	0.60773	0.017395	0.70771
0.0521	-0.17213	0.00019	-0.15479	0.00079	0.01088768	0.81447	0.144842	0.0017
0.10579	0.230748	4.62E-07	0.254929	2.31E-08	0.21244293	3.63E-06	-0.01502	0.74608
0.00108	0.008022	0.86273	0.014961	0.7471	0.04708007	0.30999	0.045995	0.32128
0.00907	-0.16743	0.00028	-0.05467	0.23836	0.01835366	0.6924	-0.07375	0.11148
0.02601	0.122541	0.00802	0.08652	0.06173	0.01930186	0.67738	-0.05611	0.22614
0.40734	-0.0225	0.62773	0.028167	0.54372	0.07164282	0.12209	-0.00394	0.93228
0.28453	-0.00536	0.90795	0.071328	0.12375	0.04865363	0.29408	-0.00501	0.91405
2.43E-17	-0.06198	0.18118	-0.07525	0.10437	0.03281928	0.47924	0.041972	0.36547
0.06219	0.282834	4.87E-10	0.44244	8.34E-24	0.41267327	1.25E-20	0.371833	9.27E-17
0.0779	0.190858	3.30E-05	0.062084	0.18046	0.03484985	0.45246	0.1013	0.02861
0.00071	0.055158	0.23417	-0.01346	0.77169	-0.2163439	2.37E-06	-0.20329	9.52E-06
0.52765	0.177706	0.00011	0.107386	0.02028	0.06046062	0.19215	0.076804	0.09737
0.29101	0.057978	0.21108	-0.07601	0.10089	-0.1408735	0.00228	-0.09008	0.05172
0.16545	0.183504	6.64E-05	0.207178	6.36E-06	0.37728499	3.03E-17	0.356198	2.04E-15

0.68281	0.096661	0.03678	0.073065	0.11484	-0.0228015	0.62308	0.002812	0.95167
0.00674	-0.0611	0.18749	0.15313	0.0009	0.20531927	7.72E-06	0.083018	0.07308
0.39874	0.039779	0.39107	0.070519	0.12807	0.12831418	0.00549	0.09673	0.03665
0.83477	-0.00814	0.86067	-0.06682	0.14936	0.00700504	0.87999	0.034901	0.45179
0.00015	0.08243	0.07514	-0.14825	0.00131	0.01218315	0.79287	-0.08071	0.08144
0.16456	0.032082	0.48918	0.055837	0.22845	-0.0072338	0.87611	-0.01791	0.6995
0.03664	0.047018	0.31063	-0.04754	0.30523	0.0810541	0.08016	0.041734	0.36819
0.60435	0.314559	3.48E-12	0.115124	0.01279	0.05449206	0.23987	0.074972	0.10564
7.69E-14	-0.01045	0.82186	0.078508	0.09014	0.1656777	0.00032	0.167749	0.00027
0.28095	-0.16343	0.00039	-0.23009	4.99E-07	-0.3187831	1.72E-12	-0.36943	1.51E-16
0.75137	0.296812	5.95E-11	0.092616	0.04546	0.05444912	0.24025	0.123247	0.00767
5.52E-05	0.068727	0.13808	-0.13987	0.00245	-0.056265	0.2249	-0.09313	0.04427
0.61588	0.01124	0.80858	-0.13286	0.00403	-0.0336464	0.46823	-0.0527	0.25568
0.58424	0.032316	0.48601	-0.00956	0.83682	-0.0303194	0.51337	-0.05194	0.26263
0.02358	-0.04875	0.29309	-0.20125	1.17E-05	0.12871636	0.00534	0.152719	0.00093
0.33908	0.045014	0.33172	-0.01863	0.68795	-0.0997079	0.03122	-0.07111	0.12492
0.37664	-0.17717	0.00012	-0.16375	0.00038	0.03755337	0.41814	-0.00884	0.84892
0.14795	-0.12032	0.00925	-0.06672	0.15001	0.07206636	0.11989	0.103585	0.02519
0.00028	-0.00335	0.94245	-0.05781	0.21237	0.02874799	0.53545	0.098525	0.03329
0.81908	0.144701	0.00172	0.301493	2.87E-11	0.20254934	1.03E-05	0.103194	0.02575
0.00094	-0.17056	0.00021	-0.05121	0.26943	0.15724014	0.00065	0.180469	8.79E-05
0.53053	-0.11491	0.01296	-0.16114	0.00047	-0.1591316	0.00056	-0.17771	0.00011
0.72558	-0.00257	0.9559	-0.00404	0.93055	0.0817687	0.07752	0.023443	0.61333
0.1296	0.011212	0.80905	0.012749	0.78348	-0.0012837	0.97793	-0.02108	0.64961
0.0144	-0.0359	0.43899	-0.11333	0.01427	-0.181907	7.70E-05	-0.24923	4.82E-08
0.0718	0.03079	0.50684	0.106404	0.02146	0.07049515	0.1282	0.08988	0.05225
0.01515	0.008997	0.84624	0.083374	0.07186	0.14193495	0.00211	0.16727	0.00028
0.15776	0.008613	0.85273	-0.08572	0.06418	-0.0581124	0.21002	-0.07502	0.10542
0.00516	0.098742	0.0329	0.033787	0.46637	-0.0572356	0.21699	-0.12311	0.00773
1.86E-07	-0.05981	0.19699	-0.09077	0.04996	-0.0075545	0.87066	-0.02097	0.65122
0.27641	0.148772	0.00126	0.325074	5.91E-13	0.30893648	8.73E-12	0.093186	0.04414
3.44E-05	0.021088	0.64944	-0.03042	0.51191	0.04676039	0.31329	0.117352	0.01115
0.00022	0.090383	0.05094	-0.02614	0.57308	0.0238276	0.60752	0.052335	0.25902
0.00043	0.066007	0.1544	-0.01423	0.75904	0.01477117	0.7502	0.03352	0.46991
0.90457	-0.13221	0.00421	-0.21229	3.69E-06	0.02939241	0.52634	-0.02677	0.56387
0.96466	-0.13813	0.00278	-0.13992	0.00244	-0.0131137	0.77745	0.050634	0.27485
0.34952	0.069694	0.13261	-0.01008	0.82801	0.00669895	0.8852	0.01151	0.80408
0.00156	0.069604	0.13311	0.037471	0.41917	-0.0034698	0.94039	-0.02828	0.5421
1.70E-06	-0.03571	0.44142	-0.12672	0.0061	0.10782225	0.01977	0.166446	0.0003
0.87237	-0.05349	0.24861	-0.10172	0.02795	0.02313952	0.61794	0.038494	0.40657
0.00055	0.228514	6.00E-07	0.12357	0.00751	0.1342024	0.00367	0.181698	7.85E-05
0.28286	0.195504	2.09E-05	0.181416	8.06E-05	0.183107	6.89E-05	0.216601	2.31E-06
0.00863	0.296631	6.12E-11	0.082179	0.07604	0.02072119	0.65514	0.109476	0.01795
7.94E-05	0.26945	3.28E-09	-0.02351	0.61237	-0.0424898	0.35958	0.106146	0.02178
0.00592	0.162118	0.00044	0.218329	1.91E-06	0.23113254	4.42E-07	0.273554	1.85E-09

0.03939	-0.00945	0.83869	0.068012	0.14224	0.12170091	0.00847	0.106469	0.02138
0.01592	-0.08707	0.0601	-0.16101	0.00048	-0.1163537	0.01186	-0.21343	3.26E-06
0.00015	0.066991	0.14834	0.158891	0.00057	0.29535559	7.45E-11	0.306335	1.33E-11
0.00978	0.054822	0.23703	-0.03009	0.51655	-0.0585801	0.20637	-0.07128	0.12402
0.92158	0.113937	0.01375	0.027763	0.54953	0.12598434	0.00641	0.130157	0.00484
2.33E-09	0.06383	0.16849	0.064061	0.16694	0.09893286	0.03256	0.064467	0.16427
0.94391	-0.08823	0.05675	-0.00603	0.89655	0.05506718	0.23494	0.018669	0.6874
0.13795	0.115952	0.01216	0.086613	0.06145	0.01664088	0.71984	-0.01886	0.68438
0.06386	0.062215	0.17954	0.124211	0.0072	0.07616776	0.10018	0.011985	0.79617
0.1788	0.219203	1.73E-06	0.078945	0.08836	0.06449534	0.16408	0.133515	0.00385
2.63E-25	0.015848	0.73267	0.002142	0.96318	0.15568769	0.00074	0.217014	2.20E-06
0.29687	0.207998	5.83E-06	-0.17071	0.00021	-0.3760432	3.91E-17	-0.25442	2.47E-08
0.59289	0.124117	0.00724	-0.29983	3.72E-11	-0.3575223	1.58E-15	-0.19984	1.36E-05
0.05174	0.164228	0.00037	0.028232	0.5428	0.09925761	0.03199	0.182883	7.03E-05
0.54937	0.035575	0.44311	-0.01634	0.72473	0.10679399	0.02098	0.150909	0.00107
0.00029	0.122225	0.00819	0.264053	6.87E-09	0.19815503	1.61E-05	0.181614	7.91E-05
6.07E-07	0.001553	0.97329	0.045852	0.3228	0.02412534	0.60304	-0.07442	0.10823
0.00211	0.302048	2.63E-11	0.185376	5.57E-05	0.02469148	0.59456	-0.02705	0.55977
0.08094	-0.00775	0.86729	-0.27541	1.42E-09	-0.0961063	0.03788	-0.20431	8.57E-06
0.20287	-0.02731	0.55605	0.025233	0.58651	0.11352904	0.0141	0.023085	0.61876
0.0003	-0.17866	0.0001	-0.15791	0.00062	-0.0979657	0.0343	-0.13122	0.00451
0.00014	0.301003	3.10E-11	0.194621	2.28E-05	0.14139353	0.00219	0.117693	0.01091
0.37264	0.083688	0.07079	-0.00349	0.94008	0.20392793	8.92E-06	0.057217	0.21714
0.02045	0.025302	0.58547	0.009622	0.83571	0.1229608	0.00781	0.124225	0.00719
0.24131	0.078171	0.09154	0.159543	0.00054	0.31511487	3.17E-12	0.262829	8.11E-09
0.00026	-0.21115	4.17E-06	-0.02178	0.63881	-0.0037495	0.93559	0.044852	0.33347
0.61707	0.16298	0.00041	-0.10367	0.02507	-0.1524382	0.00095	-0.1049	0.02338
0.02075	0.303615	2.05E-11	0.266543	4.89E-09	0.12651817	0.00619	0.054657	0.23845
0.80229	0.265909	5.34E-09	0.087081	0.06006	0.20570866	7.41E-06	0.313283	4.30E-12
0.00064	-0.14208	0.00209	-0.10674	0.02105	0.0098962	0.8311	0.037599	0.41758
0.10136	0.139527	0.00251	0.027052	0.5598	0.00644879	0.88946	0.114038	0.01367
0.22903	0.235371	2.67E-07	0.131503	0.00442	0.14244903	0.00203	0.099672	0.03128
0.56365	0.109622	0.0178	-0.03942	0.39534	-0.0645964	0.16342	-0.00897	0.84664
8.59E-07	-0.01948	0.67452	-0.00915	0.84374	0.15562327	0.00074	0.091555	0.048
0.00218	0.071483	0.12293	0.076212	0.09998	0.07636458	0.0993	0.086542	0.06167
0.71875	-0.19697	1.81E-05	-0.07641	0.09909	0.08967677	0.05279	0.133542	0.00384
0.81152	0.164578	0.00036	0.096519	0.03706	0.09524953	0.03964	0.034215	0.46074
0.95116	0.086015	0.06328	-0.08136	0.07901	-0.1370244	0.00301	-0.21435	2.95E-06
0.36683	0.073147	0.11443	0.069335	0.13462	0.09296417	0.04465	0.156149	0.00071
0.40444	0.334127	1.21E-13	0.350133	6.48E-15	0.30524599	1.58E-11	0.256917	1.78E-08
0.41538	0.124054	0.00727	0.025994	0.57526	0.07557	0.10288	0.067335	0.14626
0.00305	0.041176	0.37464	-0.06119	0.18683	-0.0224914	0.62782	0.049865	0.28221
0.09058	0.079901	0.08456	0.022109	0.63368	0.1091844	0.01826	0.164545	0.00036
0.00162	-0.01294	0.78028	-0.15182	0.001	0.01041639	0.82237	-0.03891	0.40153
0.07671	0.181916	7.69E-05	0.10462	0.02376	0.13788564	0.00283	0.100502	0.02989

0.25303	-0.05008	0.28012	-0.25857	1.43E-08	-0.1396576	0.00249	-0.1054	0.02272
0.01619	0.127953	0.00562	-0.01038	0.82296	-0.0914992	0.04814	-0.06994	0.13123
0.67957	0.17559	0.00014	0.17753	0.00011	0.34216125	2.85E-14	0.386718	4.16E-18
7.33E-11	0.307182	1.16E-11	0.17573	0.00014	0.08935941	0.05364	0.091937	0.04707
8.21E-07	0.02662	0.56609	-0.07192	0.12063	-0.1414874	0.00218	-0.21435	2.95E-06
0.27701	0.059267	0.20108	-0.21198	3.81E-06	-0.2375566	2.05E-07	-0.2084	5.59E-06
0.02166	0.102504	0.02676	0.005651	0.90306	0.05236336	0.25876	0.090004	0.05193
0.84279	0.058515	0.20687	0.051078	0.27065	0.00057134	0.99018	-0.02565	0.58032
0.01769	0.149034	0.00124	0.205468	7.60E-06	0.21567335	2.55E-06	0.213984	3.07E-06
0.00943	-0.01127	0.80813	0.097664	0.03486	0.03214387	0.48834	0.05145	0.26717
0.47427	-0.13841	0.00272	-0.05283	0.25453	-0.0445547	0.33669	-0.04599	0.32133
0.00386	-0.03161	0.49562	0.041506	0.37082	-0.080007	0.08415	-0.12163	0.00851
1.37E-05	-0.01097	0.81303	-0.03616	0.43561	-0.099949	0.03081	-0.17174	0.00019
0.47722	0.055477	0.23147	-0.03532	0.4464	-0.0697429	0.13234	-0.05081	0.27314
0.17915	0.152749	0.00093	0.163256	0.0004	0.05144923	0.26718	-0.03644	0.43205
1.47E-13	0.057109	0.21801	0.031891	0.49177	0.03496077	0.45102	0.0352	0.44793
0.64419	0.079867	0.08469	0.04293	0.35462	0.02126363	0.64671	-0.02322	0.61677
0.23115	-0.07577	0.10196	-0.15894	0.00057	-0.153109	0.0009	-0.04313	0.35242
0.02178	0.216933	2.22E-06	0.148811	0.00126	0.06069588	0.19042	0.124187	0.00721
0.0645	0.148485	0.00129	0.036216	0.43493	-0.0545106	0.23971	-0.03563	0.44238
0.00059	0.121616	0.00852	-0.09317	0.04418	-0.2322641	3.87E-07	-0.21716	2.17E-06
0.21064	-0.17031	0.00022	-0.13281	0.00404	0.12711882	0.00594	0.059991	0.19562
0.405	0.046358	0.31747	-0.03643	0.43226	-0.0602071	0.19402	-0.05331	0.25024
0.54421	0.101816	0.0278	-0.00526	0.90967	-0.0627527	0.1758	-0.06592	0.15494
0.06524	0.089895	0.05221	-0.01206	0.79494	-0.0578687	0.21194	-0.10184	0.02776
0.07818	0.242813	1.08E-07	0.326826	4.37E-13	0.43628704	4.02E-23	0.236033	2.47E-07
0.0093	0.05503	0.23526	-0.05541	0.23206	-0.2703237	2.90E-09	-0.27731	1.08E-09
0.22303	0.17929	9.79E-05	0.268624	3.67E-09	0.06238213	0.17837	-0.12882	0.0053
0.89872	0.098766	0.03285	0.153702	0.00086	0.17061644	0.00021	0.150085	0.00114
0.01441	-0.09669	0.03672	-0.21138	4.07E-06	-0.0480501	0.30012	0.057903	0.21167
0.26054	0.159202	0.00055	0.235575	2.61E-07	0.15829172	0.0006	0.173742	0.00016
0.59455	-0.0063	0.89195	-0.12222	0.00819	-0.0827745	0.07393	-0.08353	0.07131
0.10806	-0.04304	0.35333	-0.01943	0.67532	0.00571488	0.90197	-0.04981	0.28278
0.43201	0.009674	0.83484	0.068789	0.13773	-0.0525259	0.25728	-0.07769	0.09356
0.01088	-0.21259	3.57E-06	-0.17516	0.00014	-0.3038275	1.98E-11	-0.37154	9.84E-17
9.65E-07	0.123043	0.00777	0.156068	0.00071	0.08088043	0.08081	0.051409	0.26755
0.76251	0.181522	7.98E-05	0.019081	0.68088	-0.0857961	0.06395	-0.042	0.36512
0.04106	0.048778	0.29284	0.086998	0.0603	-0.0178178	0.70094	-0.00793	0.86422
0.41817	0.188408	4.18E-05	0.012583	0.78623	-0.0939354	0.04246	-0.10561	0.02246
0.91474	0.036812	0.4274	0.002887	0.95038	0.2086013	5.47E-06	0.184451	6.08E-05
0.67635	0.099319	0.03188	0.44759	2.18E-24	0.22052266	1.49E-06	0.154073	0.00084
0.5233	0.075734	0.10214	-0.04857	0.29495	-0.0541571	0.24278	0.005432	0.9068
0.36514	0.072711	0.11661	0.015764	0.73403	0.04379857	0.34496	0.013967	0.76339
0.00068	-0.05936	0.20037	-0.05104	0.27104	-0.0840303	0.06964	-0.03146	0.4977
0.95107	-0.02894	0.53276	-0.03798	0.41291	0.01457449	0.75342	-0.01767	0.70324

0.20749	0.240049	1.52E-07	0.189466	3.78E-05	0.00995414	0.83013	-0.06907	0.13613
0.7956	0.069667	0.13276	0.095172	0.0398	0.13853321	0.0027	0.133832	0.00376
0.02211	0.227862	6.47E-07	0.36665	2.63E-16	0.17318377	0.00017	0.005324	0.90864
1.33E-26	-0.03749	0.41889	-0.05354	0.24818	0.1170328	0.01137	0.21644	2.35E-06
2.91E-09	0.168021	0.00027	0.172046	0.00019	0.21476722	2.82E-06	0.211238	4.13E-06
0.00082	0.083836	0.07029	0.003881	0.93333	0.05991987	0.19616	0.048325	0.29735
0.03463	-0.25647	1.89E-08	-0.35066	5.87E-15	-0.0699184	0.13136	-0.09306	0.04444
0.52359	-0.32845	3.29E-13	-0.28801	2.26E-10	-0.2757776	1.35E-09	-0.29935	4.01E-11
0.17402	-0.24659	6.73E-08	-0.095	0.04016	-0.0259932	0.57527	0.001384	0.97621
0.75835	-0.16128	0.00047	-0.0421	0.36397	0.00081415	0.986	-0.0151	0.7448
0.33845	0.014202	0.75953	-0.0796	0.08576	-0.0653889	0.15831	-0.07085	0.1263
0.44818	-0.0261	0.57368	-0.00387	0.93344	-0.1311496	0.00453	-0.12791	0.00564
0.26279	0.296841	5.92E-11	0.220098	1.57E-06	-0.0857047	0.06424	-0.18145	8.03E-05
0.81131	0.019651	0.67189	-0.03624	0.43463	0.00508313	0.91276	-0.00056	0.99037
0.1658	0.068396	0.13999	0.0685	0.13939	0.17261169	0.00018	0.189071	3.92E-05
0.00101	-0.01563	0.73619	0.009895	0.83112	0.10298987	0.02604	0.106464	0.02139
0.13572	-0.05551	0.23118	-0.03299	0.47691	0.14246912	0.00203	0.163168	0.0004
0.02319	-0.0201	0.66491	-0.2958	6.95E-11	-0.1637079	0.00038	-0.11227	0.01521
1.98E-13	-0.1458	0.00158	-0.11925	0.0099	0.03497584	0.45083	0.077219	0.09557
3.27E-06	0.138385	0.00273	0.154424	0.00081	0.15894266	0.00057	0.027047	0.55988
7.68E-06	0.125134	0.00678	-0.14032	0.00237	0.08759306	0.05856	-0.01677	0.7177
0.46371	0.091052	0.04925	-0.01278	0.7829	0.04574505	0.32392	0.092352	0.04608
1.92E-07	0.008663	0.85189	0.10514	0.02307	-0.0102094	0.82584	-0.13144	0.00444
0.77101	0.249345	4.75E-08	0.037899	0.41387	0.25405344	2.59E-08	0.204951	8.02E-06
0.00041	0.076373	0.09927	0.033351	0.47214	0.07092668	0.12588	-0.00217	0.96275
1.22E-05	-0.08169	0.07782	-0.05905	0.20278	0.05797722	0.21108	0.130205	0.00483
0.61697	0.246746	6.60E-08	0.472756	2.23E-27	-0.0022112	0.96199	-0.1785	0.00011
0.24738	0.059393	0.20013	0.034322	0.45934	0.06281611	0.17536	0.03029	0.51378
0.00012	0.163426	0.00039	0.269119	3.43E-09	0.19913697	1.46E-05	0.137924	0.00282
0.01605	0.036201	0.43511	0.310505	6.77E-12	0.47475073	1.26E-27	0.369696	1.43E-16
4.18E-06	0.08038	0.08271	0.298906	4.30E-11	0.12287396	0.00785	0.099765	0.03112
0.4139	-0.00023	0.99599	0.194443	2.33E-05	0.42165901	1.48E-21	0.151554	0.00102
0.0033	-0.01118	0.80952	0.002163	0.96281	0.1485887	0.00128	0.20491	8.05E-06
0.58706	0.110689	0.01671	0.002423	0.95835	-0.0636671	0.16958	-0.05656	0.22248
0.83831	-0.15663	0.00068	-0.16522	0.00034	-0.1521062	0.00098	-0.19858	1.54E-05
0.8649	-0.04965	0.28433	-0.09128	0.04868	0.01828545	0.69349	0.014676	0.75176
0.12496	0.020327	0.66128	0.050153	0.27944	0.06256843	0.17708	0.02466	0.59503
0.36045	0.040057	0.38777	-0.00375	0.93555	-0.1297094	0.00499	-0.14306	0.00194
3.34E-05	-0.18162	7.91E-05	-0.07625	0.09982	-0.2397012	1.58E-07	-0.28575	3.17E-10
0.01065	0.212113	3.76E-06	0.276294	1.25E-09	0.16192829	0.00044	0.113241	0.01435
0.78479	0.138743	0.00266	0.274928	1.52E-09	0.07082966	0.1264	-0.05265	0.25614
0.00012	-0.01779	0.70132	-0.02002	0.66603	0.00739038	0.87345	0.015508	0.7382
0.76158	0.029647	0.52275	-0.18127	8.16E-05	-0.1113812	0.01604	-0.18328	6.78E-05
1.05E-07	-0.06746	0.14549	-0.13461	0.00356	-0.00023	0.99605	0.072613	0.1171
0.00206	0.233072	3.51E-07	0.379981	1.73E-17	0.03928152	0.39703	-0.14243	0.00203

0.10211	0.048522	0.29539	0.125219	0.00674	0.23083319	4.58E-07	0.257326	1.69E-08
0.03322	-0.13059	0.0047	-0.14216	0.00207	-0.2525451	3.15E-08	-0.24743	6.06E-08
0.75374	0.096998	0.03613	0.072038	0.12004	-0.0171869	0.71105	0.025367	0.58451
0.10143	-0.02574	0.57901	-0.09968	0.03127	-0.2489907	4.97E-08	-0.20755	6.11E-06
0.44357	-0.06524	0.15927	-0.05018	0.27915	-0.0110234	0.8122	-0.03186	0.49217
0.00339	0.116751	0.01157	0.133973	0.00373	-0.0404448	0.38319	-0.03558	0.44306
0.38861	-0.00091	0.98428	-0.01372	0.76745	-0.0281766	0.54359	0.003692	0.93657
0.83416	0.100257	0.03029	0.03144	0.49791	-0.0647781	0.16224	-0.13017	0.00484
0.38804	0.039561	0.39368	0.303321	2.15E-11	0.35937003	1.11E-15	0.242363	1.14E-07
0.0092	0.021129	0.6488	0.034791	0.45322	0.0967801	0.03655	0.084588	0.0678
0.32669	0.332958	1.49E-13	0.265986	5.28E-09	0.27141656	2.49E-09	0.330548	2.28E-13
0.60963	-0.06847	0.13958	-0.05911	0.20226	0.03683808	0.42707	0.152148	0.00097
0.38768	-0.00954	0.8371	0.015765	0.73401	0.0027158	0.95333	-0.03522	0.44761
0.45597	0.06244	0.17797	0.035119	0.44897	-0.0639743	0.16752	0.060731	0.19016
0.67691	0.001139	0.98042	-0.18605	5.23E-05	-0.2312588	4.35E-07	-0.18726	4.66E-05
3.34E-15	0.100585	0.02975	0.035483	0.44428	0.04365806	0.34651	0.023493	0.61258
0.08604	0.216826	2.25E-06	0.118376	0.01046	-0.0558867	0.22804	-0.08245	0.07507
0.00574	0.149735	0.00117	0.079561	0.0859	-0.0138176	0.76584	-0.03275	0.48017
0.05081	0.164991	0.00034	0.174899	0.00015	0.07105003	0.12522	-0.02113	0.64886
0.10793	0.152766	0.00093	0.16676	0.0003	0.11253866	0.01497	0.064197	0.16605
0.77956	-0.06859	0.13886	-0.163	0.00041	-0.0143208	0.75758	-0.0326	0.48221
0.04121	0.054081	0.24345	0.023802	0.6079	0.06114263	0.18717	0.007482	0.87189
0.38696	0.198489	1.55E-05	0.122323	0.00814	0.02920354	0.529	0.04967	0.2841
0.12774	0.049418	0.28655	0.138762	0.00265	0.02618387	0.57247	0.026244	0.57158
0.00031	0.111778	0.01566	-0.00432	0.92574	-0.0292821	0.52789	-0.01056	0.82002
0.06151	0.168275	0.00026	0.175774	0.00013	-0.0699316	0.13129	-0.19507	2.19E-05
0.72901	0.136647	0.00309	0.178597	0.0001	0.17894917	0.0001	0.122029	0.00829
0.17486	0.263475	7.43E-09	0.023802	0.60791	-0.0099508	0.83018	0.10859	0.01891
0.00273	0.225362	8.63E-07	0.112278	0.0152	0.03525063	0.44727	0.062871	0.17499
0.9715	0.104347	0.02413	0.150543	0.0011	0.11926501	0.00989	0.167193	0.00028
3.33E-05	0.152064	0.00098	0.007619	0.86957	-0.0548933	0.23643	-0.02586	0.57729
6.65E-07	0.076368	0.09929	0.037245	0.42198	0.01547491	0.73873	0.015698	0.7351
3.32E-05	0.067054	0.14795	0.042967	0.3542	0.03208614	0.48912	0.036456	0.43189
0.00828	0.060834	0.18941	0.110048	0.01736	0.3167201	2.43E-12	0.304733	1.72E-11
0.50186	0.137242	0.00296	0.180376	8.87E-05	0.21140249	4.06E-06	0.175851	0.00013
0.29326	0.128319	0.00549	0.06915	0.13567	0.04282789	0.35577	0.071159	0.12464
0.96783	0.146961	0.00145	0.02733	0.55577	-0.0619673	0.18128	-0.05295	0.25343
0.54174	0.042995	0.35389	-0.10341	0.02544	-0.2295956	5.29E-07	-0.22883	5.78E-07
0.17625	0.09905	0.03235	-0.01715	0.71168	-0.0091004	0.8445	-0.02222	0.63193
0.96864	0.291573	1.33E-10	0.136923	0.00303	0.04306052	0.35316	0.03062	0.5092
0.17286	0.14464	0.00173	0.14315	0.00193	0.06200176	0.18104	0.009628	0.83562
0.86191	0.148208	0.00132	0.105371	0.02277	-0.0105543	0.82005	-0.05473	0.23782
0.11098	0.167735	0.00027	0.11044	0.01696	0.06103316	0.18796	0.0435	0.34827
0.00571	0.214977	2.76E-06	0.168408	0.00026	0.02599705	0.57521	-0.01284	0.78193
0.00862	0.065627	0.15679	0.116363	0.01185	0.00830528	0.85794	-0.02771	0.55025

0.95141	0.019456	0.67495	0.05404	0.2438	0.04892738	0.29137	0.012	0.79592
0.75145	-0.00844	0.8556	0.017651	0.70361	-0.0172811	0.70954	-0.03972	0.39173
0.61473	0.105856	0.02215	0.079354	0.08672	-0.0456034	0.32543	-0.08395	0.06991
0.00954	0.089173	0.05414	0.073717	0.11162	0.05065171	0.27467	0.066237	0.15297
0.11404	0.252694	3.09E-08	0.155905	0.00072	0.02011809	0.66455	0.033963	0.46405
1.04E-05	-0.25904	1.35E-08	-0.17497	0.00014	-0.1391778	0.00258	-0.12742	0.00583
0.00017	-0.05362	0.24747	0.05326	0.25068	-0.0437715	0.34526	-0.06921	0.13534
0.00163	-0.12623	0.0063	-0.05801	0.21079	-0.0499234	0.28164	0.003803	0.93467
0.023	-0.05428	0.2417	-0.10508	0.02314	-0.0912964	0.04864	-0.10761	0.02002
0.02711	-0.15996	0.00052	-0.12233	0.00813	-0.0606597	0.19068	-0.01106	0.81164
0.09706	-0.19048	3.42E-05	-0.00181	0.96881	0.16111936	0.00047	-0.02895	0.53262
0.45914	0.052568	0.2569	0.328245	3.41E-13	0.27124466	2.55E-09	0.030223	0.5147
1.74E-05	0.118273	0.01053	0.151257	0.00104	0.10760868	0.02002	0.144227	0.00178
0.03908	0.048485	0.29576	0.079951	0.08437	0.18703914	4.76E-05	0.108811	0.01867
8.97E-05	0.306284	1.34E-11	0.181195	8.22E-05	0.00434406	0.92541	0.044937	0.33256
0.00801	-0.16266	0.00042	-0.07241	0.11813	0.0156034	0.73664	0.078755	0.08913
0.969	-0.16505	0.00034	-0.07098	0.1256	0.13730148	0.00295	0.206732	6.66E-06
0.08758	0.137039	0.003	0.079845	0.08478	0.04527499	0.32893	0.02782	0.54871
0.03576	0.068428	0.1398	0.022701	0.62462	0.0322474	0.48694	0.049641	0.28437
0.00183	-0.10143	0.02839	-0.02799	0.54634	-0.0289729	0.53226	-0.09728	0.03558
1.44E-08	-0.13753	0.0029	-0.0337	0.46754	0.11743445	0.01109	0.130195	0.00483
2.11E-07	-0.0342	0.46092	0.023264	0.61604	0.04929646	0.28774	0.053016	0.25286
1.91E-25	-0.02676	0.56401	0.06643	0.15177	0.20170328	1.12E-05	0.228578	5.96E-07
2.58E-12	0.028792	0.53482	-0.00297	0.94898	0.00609723	0.89545	0.022555	0.62684
0.00087	0.107313	0.02037	0.002135	0.96329	-0.0930173	0.04453	-0.01663	0.72002
7.35E-05	0.083904	0.07006	-0.16567	0.00032	-0.3690614	1.62E-16	-0.31453	3.50E-12
0.18061	-0.01457	0.75354	0.018688	0.68709	0.04763323	0.30433	-0.04709	0.30991
0.02019	-0.01256	0.78658	0.130883	0.00461	-0.1074076	0.02025	-0.22602	8.01E-07
0.01757	-0.1527	0.00093	-0.15102	0.00106	-0.2023728	1.05E-05	-0.24426	9.02E-08
0.00015	-0.07955	0.08594	-0.07787	0.09279	-0.1249815	0.00685	-0.14382	0.00183
2.08E-07	-0.16643	0.0003	-0.18214	7.54E-05	-0.0343508	0.45896	-0.01122	0.80897
1.64E-14	0.063467	0.17093	0.108971	0.01849	0.07457905	0.10749	0.162171	0.00043
0.15774	-0.14678	0.00147	-0.35031	6.26E-15	-0.304377	1.82E-11	-0.36496	3.69E-16
0.3492	-0.08712	0.05995	0.008585	0.8532	0.21538924	2.64E-06	0.216024	2.46E-06
0.69047	-0.12696	0.00601	-0.01688	0.71591	0.1130602	0.0145	0.07253	0.11753
0.24687	0.045418	0.3274	0.020506	0.6585	-0.0153006	0.74156	0.021975	0.63574
0.38194	-0.01316	0.77662	0.008604	0.85289	0.03126808	0.50027	0.032934	0.47771
0.02639	-0.14334	0.0019	-0.07862	0.0897	-0.1045199	0.02389	-0.09465	0.0409
7.53E-06	0.179011	0.0001	0.174279	0.00015	-0.0512187	0.26933	-0.03244	0.48431
2.58E-08	-0.1988	1.51E-05	-0.08714	0.05989	0.16119918	0.00047	0.15078	0.00108
0.18382	0.141004	0.00226	0.112214	0.01526	-0.09899	0.03246	-0.08047	0.08238
0.34779	0.098807	0.03278	-0.07572	0.10222	-0.1635018	0.00039	-0.26273	8.22E-09
0.05447	0.30058	3.31E-11	0.306121	1.37E-11	-0.0151315	0.74432	0.022664	0.62518
0.88354	-0.04309	0.35281	-0.05912	0.20219	-0.0353193	0.44639	0.002491	0.95719
0.13998	-0.0619	0.18179	-0.10209	0.02739	-0.0358032	0.44018	0.011264	0.80819

5.14E-18	0.071178	0.12454	0.061864	0.18201	0.12144971	0.00861	0.071666	0.12197
0.46263	0.175305	0.00014	0.024057	0.60406	0.02706998	0.55954	0.10418	0.02436
0.00287	0.154585	0.0008	0.097583	0.03502	-0.0114744	0.80467	-0.01916	0.67963
0.31423	0.051441	0.26726	-0.08999	0.05197	-0.0609103	0.18885	-0.03105	0.50323
1.09E-08	0.023309	0.61536	-0.0132	0.77604	0.03242752	0.48451	0.025217	0.58674
0.20796	0.151096	0.00106	0.118843	0.01016	0.16833517	0.00026	0.12379	0.0074
0.00087	-0.05488	0.23657	0.005196	0.91084	0.15215129	0.00097	0.200527	1.26E-05
0.72549	0.037915	0.41367	-0.21547	2.61E-06	-0.1616535	0.00045	-0.1741	0.00016
0.01334	0.300946	3.12E-11	0.250504	4.10E-08	-0.0074533	0.87238	-0.10602	0.02194
0.95316	0.019583	0.67296	-0.04269	0.35729	0.03139474	0.49854	0.070899	0.12602
0.92754	-0.03217	0.488	0.031802	0.49297	0.0054647	0.90624	-0.10833	0.01919
0.78848	0.067137	0.14745	-0.05311	0.25204	-0.0694136	0.13418	0.012081	0.79457
0.02999	-0.00878	0.84983	-0.24517	8.05E-08	-0.2113805	4.07E-06	-0.11843	0.01042
0.71715	-0.03733	0.4209	-0.119	0.01006	-0.2145328	2.89E-06	-0.19159	3.08E-05
0.98354	0.03223	0.48717	0.080219	0.08333	-0.0168111	0.7171	-0.00165	0.97156
0.00551	0.202632	1.02E-05	0.316223	2.64E-12	0.27040606	2.87E-09	0.269895	3.08E-09
0.00012	0.136832	0.00305	0.006081	0.89573	-0.0122494	0.79177	0.039993	0.38853
0.00187	0.204168	8.70E-06	0.166559	0.0003	0.09703846	0.03605	0.039855	0.39018
2.23E-09	0.295442	7.35E-11	0.228505	6.01E-07	0.02389366	0.60653	0.007453	0.87238
9.66E-05	-0.2718	2.36E-09	-0.16211	0.00044	-0.0717843	0.12135	-0.1331	0.00396
0.00056	-0.09913	0.03221	-0.05594	0.22757	0.10373889	0.02497	0.197007	1.80E-05
2.14E-13	-0.26647	4.94E-09	-0.02728	0.55644	0.11390462	0.01378	0.064092	0.16674
0.00846	-0.14526	0.00165	-0.09147	0.04821	-0.0441334	0.34128	0.073604	0.11218
0.04381	-0.00845	0.85551	-0.16026	0.00051	-0.1252893	0.00671	-0.08288	0.07357
0.00011	-0.0547	0.23811	0.019242	0.67833	-0.2125908	3.57E-06	-0.24524	7.98E-08
0.25492	-0.00819	0.85994	-0.04627	0.31842	-0.0201149	0.6646	-0.00151	0.97402
0.01653	-0.05883	0.20443	0.03371	0.46739	0.08013469	0.08365	0.09493	0.04031
0.13893	0.024971	0.5904	-0.02816	0.54376	-0.1326279	0.00409	-0.25248	3.18E-08
0.51718	-0.16211	0.00044	-0.09697	0.03619	0.14368338	0.00185	0.183586	6.59E-05
0.00438	0.016925	0.71527	0.024681	0.59471	-0.1105585	0.01684	-0.2093	5.08E-06
4.95E-07	0.056354	0.22417	-0.11714	0.0113	-0.0015374	0.97357	0.03626	0.43436
0.77927	0.048378	0.29683	-0.09145	0.04825	-0.0046075	0.9209	0.042839	0.35564
0.89246	0.03343	0.4711	-0.1981	1.62E-05	-0.1131746	0.0144	-0.05384	0.2456
0.05511	0.160391	0.0005	0.127421	0.00583	0.01683885	0.71665	0.070414	0.12865
2.54E-11	0.304595	1.75E-11	0.15318	0.0009	0.34520836	1.62E-14	0.361076	7.92E-16
0.01761	0.083138	0.07266	0.013068	0.7782	0.08093447	0.0806	0.098817	0.03276
4.30E-05	-0.21155	3.99E-06	-0.19231	2.87E-05	-0.162353	0.00043	-0.15552	0.00075
0.11335	0.269407	3.30E-09	0.125696	0.00653	0.00752548	0.87115	0.020189	0.66344
0.00754	0.031346	0.4992	-0.02119	0.64785	-0.0481854	0.29875	-0.14304	0.00194
0.01364	-0.18408	6.29E-05	-0.15978	0.00053	-0.114584	0.01322	-0.10073	0.02952
0.03686	0.28383	4.21E-10	0.312606	4.80E-12	0.08272295	0.07411	0.043672	0.34636
0.50908	-0.15615	0.00071	-0.16431	0.00036	-0.049615	0.28463	0.017684	0.70308
0.00012	0.024456	0.59808	-0.00227	0.96106	0.03091233	0.50516	0.013693	0.76789
0.00013	0.074752	0.10667	0.060082	0.19495	0.02201286	0.63515	-0.00619	0.89387
0.09943	-0.01263	0.78549	-0.05607	0.22654	-0.0850772	0.06622	-0.07771	0.09347



0.28949	0.109043	0.01842	0.145695	0.00159	0.25719965	1.72E-08	0.100099	0.03056
0.05664	0.123998	0.0073	0.012932	0.78045	-0.0153025	0.74153	-0.01614	0.72786
0.15842	0.081719	0.0777	0.090815	0.04984	0.14954151	0.00119	0.194952	2.21E-05
0.02994	-0.13648	0.00312	-0.05802	0.21078	0.203844	9.00E-06	0.28717	2.57E-10
0.87239	0.00045	0.99227	-0.02754	0.55273	0.11610684	0.01204	0.165337	0.00033
0.61089	-0.23761	2.04E-07	-0.1814	8.07E-05	-0.1167577	0.01157	-0.16685	0.00029
6.18E-06	0.221257	1.38E-06	0.048919	0.29145	-0.1142724	0.01348	-0.1242	0.00721
0.04506	0.031052	0.50324	-0.1172	0.01126	0.17961146	9.51E-05	0.204398	8.49E-06
5.11E-05	0.010504	0.82089	0.084438	0.06829	-0.0659584	0.15471	-0.10449	0.02393
0.30142	0.116499	0.01176	-0.02966	0.52257	0.00947284	0.83822	0.057851	0.21208
0.09674	0.260466	1.11E-08	0.156504	0.00069	0.06475328	0.1624	0.068466	0.13959
0.62492	0.076984	0.09659	0.012204	0.79253	-0.1038862	0.02476	-0.03908	0.3994
0.14436	-0.01809	0.69661	-0.06021	0.19401	-0.089046	0.05448	-0.05513	0.23442
0.80346	-0.26257	8.40E-09	-0.17436	0.00015	-0.1038495	0.02482	-0.13986	0.00245
5.84E-05	-0.11257	0.01494	-0.0617	0.18319	0.02275023	0.62386	-0.0071	0.87835
0.60706	-0.08534	0.06537	0.046834	0.31253	0.36941613	1.51E-16	0.282284	5.28E-10
0.02829	0.144041	0.0018	-0.03808	0.41167	0.05874866	0.20506	0.085433	0.06509
0.15319	-0.17258	0.00018	-0.08668	0.06126	0.06277888	0.17562	-0.13594	0.00325
6.21E-06	0.175361	0.00014	0.177282	0.00012	-0.0106597	0.81829	-0.11843	0.01043
0.44695	0.02195	0.63611	-0.04194	0.36583	0.12813096	0.00556	0.163076	0.0004
0.65389	-0.10418	0.02435	-0.11955	0.00971	-0.0483637	0.29697	-0.03018	0.51531
0.27798	-0.03781	0.41495	-0.07169	0.12182	-0.0234028	0.61394	0.096438	0.03722
0.00981	0.024658	0.59507	0.014951	0.74727	0.01530457	0.7415	-0.00448	0.92314
0.0044	-0.17867	0.0001	-0.18124	8.19E-05	-0.0531459	0.2517	0.029818	0.52037
0.00043	0.009635	0.83549	-0.19089	3.29E-05	-0.1816822	7.86E-05	-0.20035	1.29E-05
0.15751	0.257148	1.73E-08	0.218885	1.79E-06	0.17023361	0.00022	0.107785	0.01982
0.47577	0.025457	0.58317	-0.03935	0.39618	0.00095497	0.98358	0.062884	0.1749
0.10904	0.144479	0.00175	0.147793	0.00136	-0.0109996	0.8126	-0.08953	0.05318
0.62713	0.038711	0.40393	0.031409	0.49834	0.06725908	0.14672	0.096006	0.03808
0.88455	0.093123	0.04428	0.052948	0.25348	-0.0044766	0.92314	0.027319	0.55593
0.00264	-0.11745	0.01108	-0.15193	0.00099	-0.0632556	0.17236	0.029332	0.52718
0.19411	-0.13426	0.00365	-0.01259	0.7862	0.20905378	5.21E-06	0.286363	2.90E-10
1.28E-13	0.02217	0.63274	-0.04723	0.30842	0.04723233	0.30843	0.126295	0.00628
0.02057	-0.03704	0.42455	-0.00335	0.94242	0.09199611	0.04693	0.131142	0.00453
0.98025	-0.02121	0.64749	0.107189	0.02051	0.28017651	7.17E-10	0.278025	9.78E-10
2.68E-10	0.127271	0.00588	0.04998	0.2811	0.0087303	0.85075	-0.16513	0.00034
0.5973	0.144778	0.00171	0.126277	0.00629	0.27941878	8.00E-10	0.250423	4.14E-08
0.61522	0.113331	0.01427	0.335291	9.86E-14	0.12554025	0.0066	0.034921	0.45153
0.96599	0.182385	7.37E-05	0.121027	0.00884	0.16211279	0.00044	0.056394	0.22384
6.35E-10	-0.09145	0.04827	-0.00655	0.88768	0.09298963	0.04459	0.082322	0.07553
0.02461	0.270179	2.96E-09	0.238434	1.85E-07	0.10257689	0.02665	0.0752	0.10458
0.27764	0.176386	0.00013	0.260668	1.08E-08	0.09699113	0.03614	0.032906	0.47808
0.34962	0.065192	0.15957	0.027492	0.55343	0.01678291	0.71755	-0.20565	7.46E-06
0.02155	-0.09674	0.03664	-0.09526	0.03962	-0.0185538	0.68922	0.053486	0.24868
0.68082	0.080557	0.08203	0.058711	0.20535	0.14240514	0.00204	0.028634	0.53707

0.93133	-0.24843	5.34E-08	-0.04863	0.29431	0.06058104	0.19126	-0.14307	0.00194
0.42549	0.303701	2.02E-11	0.133256	0.00392	0.3146146	3.45E-12	0.175652	0.00014
0.57516	0.029428	0.52583	0.024028	0.6045	0.00468252	0.91961	-0.02138	0.64488
0.9024	0.050577	0.27538	0.018194	0.69494	0.05487193	0.23661	0.042528	0.35914
0.00122	0.047204	0.30871	0.012485	0.78786	0.03635368	0.43318	0.051209	0.26943
0.84206	0.040252	0.38547	0.048346	0.29715	0.06646455	0.15156	0.063721	0.16922
3.75E-05	0.126813	0.00607	0.04506	0.33123	0.06200636	0.18101	0.034037	0.46308
0.79579	0.108738	0.01875	0.035682	0.44173	-0.0443128	0.33932	-0.02667	0.5654
0.82966	-0.0543	0.24155	-0.15574	0.00073	-0.028715	0.53592	-0.01746	0.70666
0.55324	0.1282	0.00553	0.497315	1.51E-30	0.40567924	6.29E-20	0.150781	0.00108
0.00204	0.112472	0.01503	0.034251	0.46027	0.0962459	0.0376	-0.05147	0.26697
0.10276	-0.13165	0.00437	-0.05009	0.28007	0.05468312	0.23823	0.07129	0.12394
0.29636	-0.00941	0.83933	-0.03037	0.51269	0.03604456	0.4371	0.081067	0.08011
0.61837	0.003987	0.93153	-0.04786	0.30206	-0.0462163	0.31896	-0.05054	0.2757
0.05107	-0.1239	0.00735	-0.10386	0.02479	0.14079133	0.00229	0.082941	0.07335
0.0261	0.082555	0.0747	0.12021	0.00932	0.21305891	3.40E-06	0.245914	7.33E-08
1.92E-07	0.262704	8.24E-09	0.20091	1.22E-05	0.32213861	9.76E-13	0.300422	3.39E-11
0.9872	0.096344	0.03741	-0.00739	0.8734	-0.046177	0.31937	-0.03359	0.46895
0.972	0.090633	0.0503	0.041908	0.36621	-0.1637136	0.00038	-0.16782	0.00027
0.11713	0.119827	0.00955	0.047163	0.30914	0.0703443	0.12902	0.054106	0.24322
0.0206	-0.0175	0.70611	-0.09281	0.04501	-0.155834	0.00073	-0.19602	1.99E-05
0.00666	0.040856	0.37837	0.061225	0.18658	0.05757371	0.21428	0.046977	0.31106
0.78794	0.133087	0.00396	0.019529	0.6738	0.00642091	0.88993	-0.04527	0.32893
0.01888	-0.04597	0.32157	0.055854	0.22831	0.21105173	4.21E-06	0.201519	1.14E-05
2.20E-20	0.030375	0.5126	-0.01038	0.82297	0.21358275	3.21E-06	0.232884	3.59E-07
0.96883	0.011842	0.79854	0.095071	0.04001	0.11385342	0.01382	0.112065	0.0154
0.90181	0.039526	0.3941	0.209592	4.92E-06	0.17258992	0.00018	0.139401	0.00253
0.83958	-0.05421	0.2423	-0.02326	0.61606	0.20129086	1.17E-05	0.137956	0.00281
7.43E-09	-0.34842	8.93E-15	-0.3786	2.30E-17	0.00812003	0.86107	0.037957	0.41316
0.02526	0.107434	0.02022	0.012058	0.79495	-0.0351377	0.44873	-0.16241	0.00043
0.12512	-0.12916	0.00518	-0.12635	0.00626	-0.0309954	0.50402	-0.02412	0.60307
7.95E-05	-0.12399	0.00731	0.003526	0.93943	0.21789126	2.00E-06	0.291445	1.35E-10
0.04316	-0.17883	0.0001	0.008493	0.85476	0.26935067	3.32E-09	0.148151	0.00132
0.78616	-0.08746	0.05895	0.145363	0.00163	0.26280742	8.13E-09	0.202651	1.02E-05
0.56158	0.112792	0.01474	0.044472	0.33758	0.16291714	0.00041	0.278447	9.20E-10
0.25587	-0.29487	8.02E-11	-0.08147	0.07862	0.11321336	0.01437	0.170045	0.00022
0.57418	-0.09431	0.04163	-0.08672	0.06113	-0.1184764	0.01039	-0.11644	0.0118
2.84E-17	-0.10268	0.0265	-0.15446	0.00081	-0.101985	0.02754	-0.10797	0.01961
0.00121	0.204447	8.45E-06	0.138031	0.0028	-0.0280679	0.54515	-0.16131	0.00047
0.00027	-0.03349	0.47028	-0.04009	0.38739	-0.0827576	0.07399	-0.15224	0.00097
0.91348	0.331451	1.95E-13	0.214654	2.86E-06	0.0893929	0.05355	0.064764	0.16233
0.0474	0.028158	0.54386	0.264009	6.91E-09	0.21482369	2.80E-06	0.048752	0.2931
0.00342	0.001949	0.96649	0.024265	0.60094	0.0948935	0.04038	0.108295	0.01924
0.15856	0.106776	0.02101	-0.00848	0.8549	-0.0346463	0.45511	-0.04597	0.32152
3.96E-07	0.043983	0.34293	-0.10169	0.02799	0.06506123	0.16041	0.154904	0.00078

0.00443	0.047292	0.30781	0.051008	0.27131	0.20759406	6.08E-06	0.019589	0.67285
0.00397	0.027846	0.54834	-0.05161	0.26571	-0.0174492	0.70684	0.063251	0.17239
0.00046	-0.05705	0.21852	-0.03031	0.51344	0.0926358	0.04541	0.132543	0.00411
0.08726	0.246854	6.51E-08	0.342394	2.73E-14	0.32880535	3.10E-13	0.318322	1.86E-12
0.02951	0.274268	1.67E-09	0.431129	1.46E-22	0.0444526	0.3378	-0.07845	0.09037
9.43E-05	0.195592	2.08E-05	0.148273	0.00131	0.18827411	4.23E-05	0.288535	2.09E-10
0.50748	0.04765	0.30417	-0.0156	0.73665	-0.0612369	0.18649	-0.0464	0.31705
0.05957	-0.19354	2.54E-05	-0.04288	0.35514	0.27324272	1.93E-09	0.270175	2.96E-09
0.04948	-0.27624	1.26E-09	-0.07524	0.10438	0.07280065	0.11616	0.02481	0.59279
6.95E-06	0.225171	8.82E-07	-0.01247	0.78807	-0.2327555	3.65E-07	-0.2001	1.32E-05
1.64E-05	0.131406	0.00445	0.079586	0.0858	0.0863628	0.06221	0.176499	0.00013
0.00025	0.30188	2.70E-11	0.261239	1.00E-08	0.2939116	9.29E-11	0.296767	5.99E-11
0.41906	0.318426	1.83E-12	0.390981	1.66E-18	-0.0317544	0.49363	-0.08889	0.05492
0.14392	-0.03306	0.47597	-0.09104	0.04928	-0.0341573	0.4615	-0.13114	0.00453
0.56689	0.006781	0.8838	-0.04139	0.37211	-0.217948	1.99E-06	-0.27631	1.25E-09
2.17E-07	0.152077	0.00098	0.206831	6.59E-06	0.25820066	1.50E-08	0.262329	8.67E-09
0.29268	-0.0556	0.23043	0.073914	0.11067	0.15860534	0.00058	0.191972	2.96E-05
0.14474	-0.01142	0.8055	-0.12365	0.00747	-0.0282657	0.54232	-0.06296	0.17438
0.5466	0.16902	0.00024	0.095245	0.03964	0.07781498	0.09303	0.071211	0.12436
0.6227	-0.02556	0.5816	-0.08379	0.07044	-0.0436027	0.34712	0.007853	0.8656
0.6282	0.013344	0.77365	-0.03552	0.44378	0.11274449	0.01478	0.121186	0.00875
0.00171	0.24618	7.09E-08	0.0852	0.06583	-0.2177214	2.04E-06	-0.21172	3.92E-06
0.01054	0.072718	0.11657	-0.00482	0.91725	-0.0134097	0.77256	0.027824	0.54865
6.27E-05	0.024631	0.59547	-0.09017	0.05149	-0.0318367	0.49251	-0.03493	0.45138
0.17929	-0.06637	0.15215	0.024468	0.59791	0.00810597	0.86131	-0.04305	0.35322
0.43706	-0.02755	0.55253	0.034957	0.45107	0.09133086	0.04855	0.027825	0.54863
0.47405	0.021955	0.63604	-0.01549	0.73846	0.06379231	0.16874	0.0385	0.4065
0.59077	0.013629	0.76894	0.000985	0.98306	0.08121333	0.07956	0.093002	0.04456
0.03942	-0.04415	0.34112	-0.28743	2.47E-10	-0.1031191	0.02585	-0.04795	0.30111
8.48E-05	0.021306	0.64606	0.024463	0.59798	0.01518748	0.74341	-0.02595	0.57593
0.01096	0.072038	0.12004	0.017701	0.70281	-0.015973	0.73064	0.032096	0.48899
0.54123	0.261267	1.00E-08	0.300257	3.48E-11	0.1541844	0.00083	-0.00604	0.89635
0.43404	0.124593	0.00702	0.216112	2.43E-06	0.16667171	0.0003	0.104551	0.02385
0.34211	-0.02585	0.57735	-0.23281	3.62E-07	-0.2044713	8.43E-06	-0.27069	2.76E-09
0.096	-0.09105	0.04924	-0.1754	0.00014	0.0007872	0.98646	0.045249	0.32921
0.00381	0.071464	0.12303	0.006957	0.88081	0.03979752	0.39086	0.105358	0.02278
0.69854	0.003422	0.9412	0.041167	0.37474	0.03628121	0.4341	-0.015	0.74653
2.30E-05	-0.13805	0.00279	-0.17749	0.00012	0.08703958	0.06018	0.228169	6.25E-07
0.06981	0.053513	0.24843	0.062431	0.17803	0.04702664	0.31054	0.055976	0.2273
0.0277	0.115593	0.01243	0.117752	0.01088	0.09146796	0.04821	0.047723	0.30342
7.51E-22	-0.0567	0.22134	0.056071	0.2265	0.08603178	0.06322	0.054655	0.23847
0.1899	0.046985	0.31097	0.074819	0.10636	0.20573779	7.39E-06	0.26194	9.14E-09
0.31465	0.02834	0.54126	-0.06181	0.18238	-0.0168542	0.7164	0.004425	0.92402
0.29864	-0.05948	0.19949	0.062023	0.18089	0.06574565	0.15604	0.009292	0.84127
0.24676	0.053765	0.24622	0.016219	0.72665	0.00114635	0.98029	0.035644	0.44222

0.00363	-0.04507	0.33116	-0.07405	0.11001	-0.0468825	0.31203	-0.05751	0.21478
0.91569	0.072359	0.1184	-0.05534	0.23259	-0.0088294	0.84908	0.101085	0.02895
0.04127	0.150417	0.00111	0.094517	0.04119	0.0677402	0.14384	0.085068	0.06625
5.33E-05	0.179796	9.35E-05	0.181042	8.34E-05	0.13638835	0.00314	0.081495	0.07852
0.50518	0.013763	0.76674	-0.05667	0.22156	-0.2044562	8.44E-06	-0.30808	1.00E-11
0.00626	0.257328	1.69E-08	0.128562	0.0054	0.02221444	0.63206	-0.00233	0.95992
1.80E-05	0.049223	0.28846	0.059318	0.2007	0.12341973	0.00758	0.123791	0.0074
0.02057	0.150271	0.00113	0.110847	0.01656	0.06142274	0.18515	0.012517	0.78733
8.97E-11	-0.2259	8.12E-07	-0.13286	0.00402	-0.0980354	0.03418	-0.16046	0.0005
0.0051	-0.24892	5.01E-08	-0.11813	0.01062	0.0684551	0.13965	-0.0071	0.87845
0.01024	0.11477	0.01307	0.028587	0.53773	-0.1020075	0.02751	-0.13225	0.0042
0.54435	0.166479	0.0003	0.028546	0.53832	0.15763844	0.00063	0.266362	5.02E-09
1.99E-07	-0.07179	0.12135	-0.01264	0.78534	0.14145687	0.00218	0.072456	0.1179
0.00016	0.319152	1.62E-12	0.203293	9.52E-06	0.1068206	0.02095	0.086958	0.06042
0.01829	-0.06073	0.19014	-0.04	0.38839	0.05406761	0.24356	0.078834	0.08881
0.0065	0.152455	0.00095	0.118813	0.01018	-0.0316644	0.49485	-0.07557	0.10289
0.36219	0.033316	0.47261	-0.06759	0.14472	-0.0592308	0.20136	-0.01051	0.82077
0.1849	0.146167	0.00154	0.008071	0.86191	0.02379387	0.60803	0.094154	0.04198
1.38E-06	0.113442	0.01417	-0.03905	0.39986	0.00143067	0.9754	-0.05829	0.20864
0.05439	-0.14128	0.00221	0.221375	1.36E-06	0.25237162	3.22E-08	0.165495	0.00033
0.00046	-0.01708	0.71271	-0.13629	0.00317	0.07206655	0.11989	-0.04347	0.34864
4.94E-05	0.168078	0.00026	0.337615	6.50E-14	0.18476568	5.90E-05	0.159983	0.00052
0.35012	-0.08295	0.07333	-0.11201	0.01545	0.05403015	0.24389	0.147697	0.00137
0.13862	0.03662	0.42981	0.280367	6.98E-10	0.21889958	1.79E-06	0.131329	0.00447
0.89295	-0.02738	0.55512	0.069396	0.13428	0.20604568	7.16E-06	0.241384	1.29E-07
0.14865	0.006858	0.88249	-0.1763	0.00013	-0.1098843	0.01753	-0.0164	0.72379
0.06365	-0.09588	0.03833	-0.18989	3.62E-05	-0.1797157	9.42E-05	-0.12651	0.00619
0.35571	-0.06501	0.16072	0.053957	0.24453	0.10537378	0.02276	-0.05185	0.26347
0.0615	0.247629	5.91E-08	0.491418	9.21E-30	0.31261979	4.79E-12	0.035901	0.43893
0.00683	0.069917	0.13137	-0.03026	0.51418	-0.0243559	0.59958	-0.08531	0.06549
0.00041	-0.1059	0.02209	-0.06691	0.1488	0.06635553	0.15223	0.103618	0.02514
0.00593	0.176127	0.00013	0.044534	0.33691	-0.0223467	0.63003	-0.0586	0.20624
0.32488	0.036346	0.43327	-0.0442	0.34055	0.02076986	0.65438	0.130405	0.00476
0.41218	0.20231	1.05E-05	0.126801	0.00607	0.04902807	0.29037	0.13535	0.00338
9.34E-08	-0.11851	0.01037	-0.05825	0.20893	0.11360768	0.01403	0.194469	2.32E-05
0.39924	0.037298	0.42132	0.195312	2.13E-05	0.31149812	5.76E-12	0.280678	6.67E-10
0.00037	-0.02868	0.5364	-0.15914	0.00056	0.05138009	0.26782	-0.07615	0.10027
0.12485	-0.10263	0.02657	-0.01682	0.71697	0.00014212	0.99756	-0.15602	0.00072
0.28441	0.007791	0.86665	0.057509	0.2148	0.04931871	0.28752	0.056853	0.22009
0.09951	0.158862	0.00057	0.329939	2.54E-13	0.38512723	5.84E-18	0.335725	9.12E-14
0.91376	0.315346	3.05E-12	0.231241	4.36E-07	0.21455364	2.89E-06	0.237452	2.08E-07
0.03207	0.029084	0.53068	0.058034	0.21064	0.18419281	6.23E-05	0.298034	4.92E-11
0.19695	-0.16901	0.00024	-0.22412	9.95E-07	-0.1157832	0.01229	-0.19531	2.13E-05
0.45845	0.072316	0.11861	0.361201	7.73E-16	0.47916417	3.52E-28	0.344431	1.88E-14
0.78383	0.03769	0.41645	-0.15273	0.00093	-0.1491443	0.00123	-0.16255	0.00042

0.91826	0.064424	0.16455	-0.00174	0.97009	0.10039645	0.03006	0.145978	0.00156
0.0345	0.246048	7.21E-08	0.150236	0.00113	0.14103805	0.00225	0.222938	1.14E-06
0.06737	0.114537	0.01326	0.09212	0.04663	0.16138281	0.00046	0.105611	0.02246
0.46527	-0.14952	0.00119	-0.04753	0.30536	0.12023521	0.0093	0.041585	0.36991
0.21541	-0.089	0.05461	-0.09773	0.03474	-0.0293366	0.52712	-0.02392	0.60618
0.15165	-0.11938	0.00982	-0.13979	0.00246	-0.0608731	0.18913	-0.0552	0.23384
0.32991	-0.06002	0.19544	-0.06189	0.18184	-0.030749	0.50742	-0.03292	0.47795
0.21234	0.012589	0.78614	-0.05968	0.198	-0.0048516	0.91672	-0.03247	0.48398
0.11895	0.195776	2.04E-05	0.084893	0.06681	-0.0854779	0.06495	-0.08293	0.07338
0.28566	0.141394	0.00219	0.084498	0.06809	0.15651178	0.00069	0.134012	0.00372
0.1461	-0.04445	0.33782	-0.13934	0.00255	-0.3028203	2.32E-11	-0.30029	3.46E-11
0.00098	0.169682	0.00023	0.190757	3.33E-05	0.10934908	0.01809	0.011925	0.79717
0.06663	0.172306	0.00018	0.228934	5.71E-07	0.45812083	1.31E-25	0.234925	2.82E-07
0.03525	0.031416	0.49824	0.275864	1.33E-09	0.2285469	5.98E-07	0.028734	0.53565
0.02369	0.274989	1.51E-09	0.182035	7.61E-05	-0.0981308	0.034	-0.18566	5.42E-05
0.6465	0.087229	0.05962	0.125104	0.00679	0.0985451	0.03325	0.074778	0.10655
0.46465	-0.24167	1.24E-07	-0.13843	0.00272	0.08683482	0.06079	0.083199	0.07246
0.83461	-0.00913	0.84401	0.087614	0.0585	0.15165464	0.00101	0.081066	0.08011
0.43166	-0.10629	0.02161	-0.00491	0.9157	0.10657472	0.02125	0.077714	0.09345
4.10E-07	-0.14339	0.00189	0.104836	0.02347	0.0341799	0.4612	-0.04912	0.28945
0.09823	0.159096	0.00056	0.075069	0.10519	0.03765225	0.41692	0.069837	0.13181
0.19196	0.118201	0.01057	-0.13132	0.00447	-0.0552449	0.23343	-0.22726	6.94E-07
0.1464	-0.07198	0.12033	0.171725	0.00019	0.32535683	5.63E-13	0.077061	0.09625
6.39E-12	0.11265	0.01487	0.254077	2.58E-08	0.21782071	2.02E-06	0.074504	0.10784
3.42E-09	-0.02566	0.58022	-0.03068	0.50839	0.21403588	3.05E-06	0.259202	1.32E-08
3.72E-09	0.070141	0.13013	0.103681	0.02505	0.12605555	0.00638	0.11295	0.0146
0.38065	-0.02747	0.55369	-0.08555	0.06472	0.09066926	0.05021	0.044799	0.33404
0.0004	0.253957	2.62E-08	0.091191	0.0489	-0.0239897	0.60508	-0.12547	0.00663
0.75562	0.054794	0.23727	0.048027	0.30035	0.03625147	0.43447	0.023986	0.60514
7.66E-05	-0.2163	2.38E-06	-0.11222	0.01525	-0.0572719	0.2167	-0.08897	0.05468
9.45E-05	-0.09969	0.03125	0.002185	0.96245	-0.0238807	0.60672	-0.07037	0.12889
3.18E-10	-0.14328	0.00191	-0.11539	0.01259	-0.0439136	0.34369	-0.06428	0.16548
0.00224	0.080779	0.08119	0.040643	0.38086	0.02351289	0.61228	-0.0159	0.73181
1.96E-12	-0.15352	0.00087	-0.14511	0.00167	0.00060631	0.98957	-0.06659	0.15076
8.84E-18	-0.00429	0.92632	-0.07757	0.09405	-0.0823466	0.07544	-0.07296	0.11537
1.19E-09	-0.22282	1.15E-06	-0.16347	0.00039	-0.049069	0.28997	-0.04748	0.30592
1.20E-07	-0.11248	0.01502	-0.13526	0.0034	-0.0587541	0.20502	-0.07765	0.09371
0.02732	0.167152	0.00029	0.123051	0.00776	0.00689494	0.88187	0.001847	0.96824
0.09193	0.011041	0.81191	0.063098	0.17343	-0.0138853	0.76473	-0.04599	0.32136
0.00384	0.108159	0.01939	0.099161	0.03216	0.00863131	0.85242	-0.00411	0.92945
5.30E-06	0.108962	0.0185	0.058541	0.20667	-0.1141655	0.01356	-0.13346	0.00386
0.37099	0.013848	0.76534	0.002293	0.96058	-0.0163453	0.72461	-0.04362	0.34697
0.43687	-0.26221	8.81E-09	-0.42223	1.29E-21	-0.3013617	2.93E-11	-0.29361	9.72E-11
0.00952	-0.07335	0.11342	-0.10044	0.03	-0.0520047	0.26204	0.056689	0.22142
0.38208	-0.13936	0.00254	-0.19906	1.47E-05	-0.0870103	0.06027	0.011189	0.80943

0.81997	0.213591	3.21E-06	0.173738	0.00016	0.16230887	0.00043	0.0669	0.14889
0.23947	0.288536	2.09E-10	0.260716	1.08E-08	-0.0185171	0.68981	-0.13668	0.00308
0.0588	0.029473	0.5252	-0.08886	0.05499	-0.2980212	4.93E-11	-0.25762	1.62E-08
0.46008	0.154843	0.00079	0.159923	0.00052	0.12553115	0.0066	0.064693	0.16279
0.172	0.119486	0.00975	0.086848	0.06075	0.03858508	0.40546	0.038938	0.40118
3.13E-19	-0.06242	0.17808	-0.02949	0.52491	0.0473155	0.30757	0.061808	0.18241
0.31171	-0.05396	0.24449	-0.04455	0.33671	-0.0291445	0.52983	-0.01416	0.76017
6.80E-05	0.013435	0.77214	0.001441	0.97523	0.01674034	0.71824	0.028853	0.53396
0.21101	0.117728	0.01089	0.080603	0.08186	-0.0142335	0.75901	-0.04389	0.34399
0.00197	0.073156	0.11438	0.130953	0.00459	0.1302937	0.0048	0.072846	0.11593
2.28E-08	0.026159	0.57284	0.028959	0.53246	0.12697231	0.006	0.092959	0.04466
7.96E-06	0.013942	0.76381	0.008536	0.85404	0.01571179	0.73488	-0.01079	0.81615
2.86E-05	0.022011	0.63518	0.008115	0.86116	0.02415702	0.60257	0.023432	0.6135
1.53E-05	0.111399	0.01602	0.108018	0.01955	0.16984042	0.00023	0.129895	0.00493
0.97566	0.017806	0.70113	-0.06194	0.18147	-0.0223167	0.63049	0.002798	0.95191
0.45955	0.104433	0.02401	0.134506	0.00359	-0.0212639	0.64671	-0.06546	0.15785
0.01662	0.019679	0.67144	0.026447	0.56862	-0.1003429	0.03015	-0.14478	0.00171
0.46588	0.011276	0.80798	0.015527	0.73788	-0.1085863	0.01891	-0.17024	0.00022
0.67184	-0.0415	0.37092	-0.06277	0.17571	0.0429048	0.3549	-0.00076	0.98685
0.7637	0.192836	2.72E-05	0.036313	0.4337	-0.0630271	0.17392	-0.02578	0.57848
0.50371	0.071745	0.12156	0.057589	0.21416	0.09391039	0.04251	0.067879	0.14302
0.6733	-0.03371	0.46735	-0.1236	0.00749	-0.0661123	0.15374	-0.05743	0.21546
0.01211	0.064148	0.16637	-0.05917	0.20181	-0.0237199	0.60915	0.0413	0.37321
0.80109	0.062015	0.18094	-0.00282	0.95158	-0.08625	0.06255	-0.05413	0.24304
0.00856	-0.03515	0.44864	-0.29593	6.81E-11	-0.0119005	0.79757	-0.0488	0.29258
0.25572	-0.05898	0.20329	-0.29438	8.65E-11	-0.2800482	7.30E-10	-0.32592	5.11E-13
0.77737	0.054593	0.239	-0.00179	0.96927	0.01189886	0.7976	-0.05495	0.23598
0.70888	-0.06865	0.13854	-0.35233	4.27E-15	-0.2557687	2.07E-08	-0.2786	9.00E-10
0.00202	-0.11702	0.01138	-0.23751	2.06E-07	-0.2077968	5.95E-06	-0.26244	8.55E-09
3.70E-06	0.210513	4.46E-06	0.0534	0.24944	0.22230654	1.22E-06	0.25217	3.31E-08
0.82314	0.050819	0.27309	-0.01544	0.73929	0.03370796	0.46742	0.067317	0.14637
0.31631	0.080683	0.08155	0.09673	0.03665	0.08567292	0.06434	0.082781	0.07391
0.67168	0.034694	0.45448	0.310616	6.65E-12	0.29337156	1.01E-10	0.098312	0.03367
0.43446	-0.22318	1.11E-06	0.026423	0.56897	0.05428105	0.2417	0.03963	0.39286
0.04835	0.217402	2.11E-06	0.092512	0.0457	0.10545194	0.02266	0.164647	0.00035
0.23413	-0.1081	0.01945	-0.00371	0.93625	0.21576569	2.53E-06	0.272747	2.07E-09
0.3227	0.198893	1.49E-05	0.158037	0.00061	0.37828915	2.46E-17	0.26115	1.02E-08
0.66624	-0.22389	1.02E-06	0.118083	0.01065	0.30621669	1.35E-11	0.167531	0.00028
0.0167	-0.10558	0.0225	-0.07757	0.09408	0.0308609	0.50587	-0.03982	0.39058
0.02366	0.117656	0.01094	0.396899	4.53E-19	0.34340623	2.27E-14	0.237391	2.10E-07
0.10134	0.098916	0.03259	0.158066	0.00061	0.24452599	8.72E-08	0.266693	4.79E-09
0.11688	-0.11468	0.01315	0.028716	0.5359	0.1256686	0.00654	0.11341	0.0142
0.00097	-0.03588	0.4392	-0.10589	0.0221	-0.1353016	0.00339	-0.14112	0.00224
0.12928	0.088595	0.05572	0.088073	0.05719	-0.01631	0.72518	-0.0432	0.35159
0.05684	0.143732	0.00185	0.085988	0.06336	-0.0289091	0.53316	-0.12814	0.00555

0.87659	0.073243	0.11395	-0.0075	0.87162	-0.0113342	0.80701	0.036962	0.42551
0.37688	-0.05076	0.27368	-0.11313	0.01444	-0.0943285	0.0416	-0.04334	0.35004
0.09618	0.013368	0.77325	0.029421	0.52594	0.08565591	0.06439	0.095943	0.03821
0.61168	0.048066	0.29995	0.020046	0.66569	0.00434466	0.9254	0.022466	0.6282
0.51324	0.030495	0.51093	-0.05093	0.272	-0.0327054	0.48077	0.031946	0.49102
0.64535	0.004825	0.91717	-0.03839	0.40786	-0.0012291	0.97887	0.03243	0.48447
0.30328	0.003053	0.94753	-0.08292	0.07342	-0.0507084	0.27414	-0.05209	0.26129
0.98721	0.135019	0.00346	0.014281	0.75823	-0.0426794	0.35744	-0.00737	0.87379
0.39922	0.154436	0.00081	0.236736	2.27E-07	0.27473337	1.56E-09	0.284149	4.02E-10
0.69472	-0.09771	0.03478	-0.05018	0.27922	-0.0823293	0.0755	-0.07841	0.09055
0.00199	-0.13322	0.00393	-0.18629	5.11E-05	-0.13049	0.00474	-0.21896	1.78E-06
6.17E-18	-0.00224	0.96151	0.019908	0.66785	-0.0531006	0.25211	-0.08707	0.0601
0.00463	-0.04082	0.37875	-0.06115	0.1871	-0.067714	0.144	-0.09133	0.04855
0.75727	-0.0476	0.30467	-0.08914	0.05423	-0.0255654	0.58158	-0.01479	0.7499
0.00833	0.011814	0.79901	-0.04204	0.36472	0.02275986	0.62372	0.004611	0.92083
0.50017	0.15735	0.00064	0.07308	0.11476	-0.0639969	0.16737	-0.04091	0.37779
0.00258	-0.2461	7.16E-08	-0.04933	0.28743	-0.0539234	0.24482	-0.16103	0.00048
0.0607	0.108505	0.019	0.153723	0.00086	0.11928187	0.00988	-0.02809	0.54486
0.05118	-0.12507	0.00681	-0.04967	0.28411	0.02786329	0.54808	0.026784	0.5637
0.00342	0.035726	0.44117	-0.23223	3.88E-07	-0.120941	0.00889	-0.08951	0.05323
0.05209	0.086516	0.06174	0.03565	0.44215	0.0144966	0.7547	0.029	0.53188
8.48E-08	0.051675	0.26508	-0.0097	0.83448	-0.0515313	0.26642	-0.07449	0.10792
0.02559	0.168517	0.00025	0.224297	9.75E-07	0.11603283	0.0121	0.120266	0.00928
0.77483	-0.05248	0.25767	-0.27637	1.24E-09	-0.1295546	0.00505	0.01492	0.74778
0.04896	-0.16127	0.00047	-0.10327	0.02564	0.07073961	0.12688	0.104568	0.02383
9.66E-13	0.008547	0.85384	0.003472	0.94035	0.01545596	0.73904	-0.09453	0.04117
0.11807	-0.0544	0.24063	-0.01427	0.75833	0.00931705	0.84085	-0.00617	0.89424
0.08378	-0.00985	0.83181	-0.08812	0.05706	-0.1010758	0.02896	-0.09176	0.04751
0.83671	-0.25957	1.25E-08	-0.11831	0.0105	-0.1456709	0.0016	-0.10376	0.02495
0.0305	-0.01416	0.76015	-0.05712	0.21795	-0.0393359	0.39638	-0.06435	0.16504
0.06728	0.143968	0.00181	0.098672	0.03302	0.00216251	0.96283	-0.03279	0.4797
0.01907	0.273911	1.76E-09	0.186867	4.84E-05	-0.0804248	0.08254	-0.15503	0.00078
0.97283	-0.00799	0.86333	-0.01261	0.78585	0.02984843	0.51994	-0.04147	0.37121
0.1161	-0.06263	0.17662	-0.04036	0.38414	-0.1336213	0.00382	-0.16271	0.00041
0.49875	0.009068	0.84505	-0.03654	0.43083	-0.0361363	0.43594	-0.00488	0.91628
0.00056	0.214591	2.88E-06	0.073441	0.11297	0.18385132	6.43E-05	0.250154	4.28E-08
0.00617	0.082761	0.07398	0.128277	0.0055	0.10257059	0.02666	0.065225	0.15935
2.14E-15	0.026311	0.57061	0.005337	0.90843	0.08625612	0.06253	0.064506	0.16401
0.06646	0.109825	0.01759	-0.06548	0.15772	-0.0430705	0.35305	0.035848	0.43961
0.59105	0.053128	0.25186	-0.03729	0.42141	-0.0248771	0.59179	-0.01512	0.74443
0.59003	0.13455	0.00358	0.051109	0.27035	0.06320609	0.17269	0.047321	0.30751
0.6344	0.270392	2.88E-09	0.164334	0.00036	0.04629842	0.3181	-0.01221	0.79235
0.364	0.087626	0.05847	0.060459	0.19216	0.03563366	0.44235	0.029408	0.52611
0.40012	0.099318	0.03189	0.046565	0.31532	-0.1754231	0.00014	-0.17289	0.00017
0.03106	0.105987	0.02198	0.020699	0.65549	0.04569756	0.32443	0.080039	0.08403

0.24263	0.056934	0.21943	0.0453	0.32866	0.04709809	0.3098	0.057284	0.2166
0.76006	0.01166	0.80158	-0.03995	0.38906	0.08990086	0.0522	0.137854	0.00283
0.84347	0.060501	0.19185	-0.01849	0.69028	0.00643145	0.88976	-0.00457	0.92147
0.52899	0.193977	2.43E-05	-0.0885	0.05599	-0.1234766	0.00755	-0.27218	2.24E-09
0.00053	0.092667	0.04534	0.109182	0.01827	0.26715797	4.50E-09	0.240029	1.52E-07
0.05344	-0.09541	0.03929	-0.17342	0.00017	-0.204099	8.76E-06	-0.18958	3.73E-05
0.00655	-0.12785	0.00566	-0.17912	9.95E-05	-0.2074129	6.20E-06	-0.20015	1.31E-05
0.77777	0.100161	0.03045	0.051509	0.26663	-0.0037815	0.93504	0.017743	0.70214
0.05625	0.129158	0.00518	0.014677	0.75174	-0.278285	9.42E-10	-0.31608	2.70E-12
0.74862	-0.22982	5.15E-07	-0.30137	2.92E-11	-0.2484252	5.34E-08	-0.29352	9.86E-11
5.64E-15	0.063702	0.16934	0.084515	0.06804	0.17217599	0.00018	0.063696	0.16939
0.19044	0.039498	0.39443	0.019589	0.67287	-0.0120026	0.79587	-0.1163	0.0119
0.2931	-0.22421	9.85E-07	-0.21437	2.95E-06	0.01984091	0.6689	-0.01219	0.79278
0.69134	-0.0089	0.84795	-0.01218	0.79291	-0.0090566	0.84524	-0.02855	0.5383
0.7903	0.016679	0.71922	0.087826	0.05789	0.2697456	3.15E-09	0.125094	0.0068
0.17347	0.077049	0.0963	0.052904	0.25387	0.04054711	0.38199	0.060332	0.1931
0.0818	0.071597	0.12233	0.068957	0.13676	0.03136783	0.4989	0.029975	0.51816
0.00033	0.018681	0.68721	0.026659	0.56552	-0.0070437	0.87934	-0.02254	0.62703
2.68E-11	0.135196	0.00342	0.05212	0.26099	0.07418426	0.10937	0.106783	0.021
0.35484	0.0599	0.19631	0.040493	0.38262	0.05682656	0.2203	0.029929	0.51882
0.63638	-0.02078	0.65419	-0.02591	0.57653	0.02598022	0.57546	0.041284	0.37339
0.24212	0.269761	3.14E-09	0.346367	1.31E-14	0.19462708	2.28E-05	0.19975	1.37E-05
0.00016	-0.21413	3.02E-06	-0.24532	7.90E-08	0.05055808	0.27556	-0.0473	0.30775
0.01665	-0.20626	7.00E-06	0.059	0.20313	-0.0224791	0.628	-0.16479	0.00035
0.28918	0.044119	0.34144	-0.06882	0.13753	-0.0914211	0.04833	-0.22284	1.15E-06
0.02045	0.286641	2.78E-10	0.172828	0.00017	0.03859984	0.40528	-0.00374	0.93573
3.33E-18	-0.2282	6.23E-07	-0.14354	0.00187	-0.0587425	0.20511	-0.02714	0.5585
0.00138	0.047473	0.30596	0.0114	0.80591	0.03129417	0.49991	0.085892	0.06366
0.41247	0.186233	5.14E-05	0.117718	0.0109	0.02504275	0.58933	0.052131	0.26088
0.30517	0.015627	0.73626	-0.10981	0.0176	-0.0397095	0.39191	-0.01013	0.82715
0.00237	0.011316	0.80731	-0.12727	0.00589	-0.2147644	2.82E-06	-0.28964	1.78E-10
0.63911	0.105428	0.02269	0.101655	0.02805	0.05339306	0.2495	-0.0028	0.95191
0.67231	0.362752	5.70E-16	0.431235	1.43E-22	0.22678718	7.33E-07	0.237994	1.95E-07
0.64932	0.058563	0.2065	0.050662	0.27458	0.17770814	0.00011	0.306404	1.31E-11
0.00545	0.076749	0.09761	0.022247	0.63156	0.119483	0.00976	-0.0042	0.92785
0.92668	0.248228	5.47E-08	0.263978	6.94E-09	0.25540682	2.17E-08	0.210901	4.28E-06
0.07006	-0.02348	0.61279	0.138765	0.00265	0.15169028	0.00101	-0.00276	0.95257
0.01152	0.075972	0.10106	1.04E-05	0.99982	0.03021684	0.51479	-0.06918	0.13551
0.00012	0.056922	0.21952	0.087962	0.0575	0.22191084	1.28E-06	0.32032	1.33E-12
0.0605	0.189091	3.91E-05	0.100788	0.02942	0.27204703	2.28E-09	0.208627	5.45E-06
1.11E-07	-0.19697	1.81E-05	-0.19083	3.31E-05	-0.0169464	0.71492	0.050048	0.28044
0.09837	0.010858	0.81496	-8.32E-05	0.99857	-0.0182343	0.6943	0.006842	0.88277
0.96163	-0.19647	1.90E-05	-0.15179	0.001	0.00549928	0.90565	-0.10765	0.01997
1.89E-14	-0.03258	0.48249	-0.06719	0.14716	0.13967027	0.00249	0.259392	1.28E-08
2.68E-10	0.007311	0.8748	-0.05309	0.25224	-0.0272849	0.55642	0.008565	0.85354



0.7666	0.077644	0.09375	0.004551	0.92187	0.02584794	0.57741	0.11207	0.01539
1.67E-09	-0.2116	3.97E-06	-0.18585	5.33E-05	-0.1206604	0.00905	-0.19567	2.06E-05
3.58E-08	0.232634	3.70E-07	0.074514	0.10779	-0.0876092	0.05852	-0.1503	0.00112
0.69196	-0.03098	0.50419	-0.00318	0.94534	0.02615677	0.57287	-0.03212	0.48861
0.02413	-0.04309	0.35288	-0.13714	0.00298	-0.082073	0.07642	-0.07019	0.12989
0.01965	0.167003	0.00029	0.143892	0.00182	0.15279089	0.00092	0.174032	0.00016
0.00125	0.095372	0.03938	0.48073	2.23E-28	0.24417074	9.12E-08	0.074509	0.10782
2.66E-07	0.275225	1.46E-09	0.033638	0.46834	0.02829383	0.54192	0.005603	0.90388
0.74206	0.035781	0.44046	0.162514	0.00042	0.13887301	0.00263	0.070044	0.13067
0.24247	0.01396	0.7635	0.04572	0.32419	0.03424007	0.46041	0.120258	0.00929
0.00103	0.076708	0.09779	-0.03046	0.51147	0.05889174	0.20396	0.104899	0.02339
0.20326	0.043626	0.34686	-0.14908	0.00123	-0.0491796	0.28888	0.007789	0.86668
0.65766	0.019058	0.68123	0.035742	0.44096	-0.1003263	0.03018	-0.10073	0.02953
1.05E-09	-0.04625	0.31858	0.075622	0.10265	0.32919053	2.89E-13	0.313566	4.10E-12
0.23308	0.117692	0.01092	0.100578	0.02977	0.28779933	2.34E-10	0.292087	1.23E-10
1.86E-20	-0.05639	0.22386	-0.07387	0.11086	0.06407981	0.16682	0.076447	0.09894
0.61188	0.11991	0.0095	0.043182	0.3518	-0.0001398	0.9976	0.022761	0.62369
0.90507	0.022981	0.62035	-0.00618	0.89412	0.06081188	0.18957	0.093992	0.04233
2.76E-11	-0.18144	8.04E-05	-0.01182	0.79891	0.07213	0.11957	0.073198	0.11418
0.02266	0.102642	0.02655	0.237771	2.00E-07	0.17432243	0.00015	0.032068	0.48937
5.35E-05	-0.18062	8.67E-05	-0.37869	2.26E-17	-0.1579049	0.00062	-0.11871	0.01024
0.79958	0.197273	1.76E-05	-0.00759	0.87014	0.00433137	0.92562	0.073525	0.11256
0.17954	-0.22456	9.46E-07	-0.1426	0.00201	0.19387536	2.46E-05	0.20483	8.12E-06
0.57041	0.127301	0.00587	0.103746	0.02496	0.18502457	5.76E-05	0.260394	1.12E-08
0.0209	0.18272	7.14E-05	0.19286	2.72E-05	0.13202829	0.00426	0.09238	0.04601
0.38611	0.107404	0.02026	0.074106	0.10974	0.07538182	0.10374	0.042901	0.35495
1.24E-16	0.1884	4.18E-05	0.182705	7.15E-05	0.16356843	0.00039	0.124576	0.00703
9.36E-21	-0.04014	0.38678	-0.12991	0.00493	-0.0268751	0.56237	0.018114	0.69622
0.10826	0.050841	0.27288	0.077618	0.09386	0.10387568	0.02478	0.094644	0.04092
0.27884	-0.08004	0.08403	-0.29779	5.11E-11	-0.1139263	0.01376	-0.21626	2.40E-06
0.96777	-0.15753	0.00063	0.102369	0.02696	0.40629859	5.46E-20	0.263363	7.54E-09
0.75306	0.033847	0.46558	-0.07972	0.08526	-0.1050046	0.02325	-0.15618	0.00071
0.98935	0.14708	0.00144	0.018271	0.69372	-0.0356014	0.44276	-0.09465	0.0409
0.26681	0.060891	0.189	0.167499	0.00028	0.12867106	0.00536	0.13769	0.00287
0.05956	-0.13969	0.00248	-0.12088	0.00893	0.10902169	0.01844	0.141853	0.00212
0.32197	0.086674	0.06127	-0.01399	0.76303	0.04736174	0.3071	0.106283	0.02161
0.24522	-0.24556	7.67E-08	-0.2391	1.70E-07	-0.0546141	0.23882	0.105098	0.02312
0.00264	-0.13225	0.0042	-0.06629	0.15264	-0.0690945	0.13598	-0.11083	0.01657
0.0079	0.255276	2.21E-08	0.213922	3.09E-06	-0.0128419	0.78195	-0.08447	0.0682
0.00061	0.017302	0.7092	0.109822	0.01759	0.0313675	0.49891	0.052556	0.25701
0.03801	0.13876	0.00265	-0.1988	1.51E-05	-0.3107301	6.53E-12	-0.32369	7.49E-13
1.33E-09	0.086861	0.06071	0.08526	0.06564	-0.0584072	0.20771	-0.06229	0.17904
0.21063	0.022604	0.6261	0.005216	0.91049	0.0352952	0.4467	-0.0462	0.31918
0.88831	-0.03568	0.44178	0.001913	0.96712	-0.022438	0.62863	-0.08225	0.07578
0.02764	0.21915	1.74E-06	0.19688	1.83E-05	0.05256591	0.25692	0.028304	0.54176

0.05134	0.203609	9.22E-06	0.097399	0.03536	-0.0584536	0.20735	-0.02661	0.5663
1.22E-08	-0.26429	6.65E-09	-0.17332	0.00017	-0.1647534	0.00035	-0.01428	0.75825
0.00014	0.114943	0.01294	0.060258	0.19365	-0.0017474	0.96996	-0.03351	0.46999
0.01128	-0.08603	0.06323	-0.14158	0.00216	0.16455708	0.00036	-0.03419	0.46111
0.11294	0.151137	0.00105	0.060831	0.18943	0.16088876	0.00048	0.144612	0.00173
0.27465	0.10683	0.02094	0.007384	0.87356	0.02521169	0.58682	-0.00588	0.89918
3.29E-08	0.125967	0.00642	-0.01159	0.80272	-0.0101709	0.82649	0.111704	0.01573
0.96953	-0.12709	0.00596	-0.24666	6.67E-08	-0.1816868	7.86E-05	-0.2405	1.43E-07
0.00025	-0.06515	0.15981	0.185402	5.56E-05	0.46738165	1.02E-26	0.33507	1.03E-13
0.00057	0.045554	0.32596	-0.01095	0.81338	0.01397276	0.76329	-0.00362	0.93779
0.06147	0.205627	7.48E-06	0.132255	0.0042	-0.0247513	0.59367	-0.07078	0.12669
0.29301	-0.217	2.21E-06	-0.12203	0.00829	0.01636755	0.72425	0.094596	0.04102
0.01358	-0.14389	0.00182	-0.03164	0.49517	0.06034753	0.19298	0.024288	0.60059
0.36144	0.19517	2.16E-05	0.093893	0.04255	0.01660482	0.72042	0.045893	0.32236
0.96251	0.221104	1.40E-06	0.089338	0.05369	0.04146287	0.37132	0.08296	0.07328
0.01647	0.268348	3.82E-09	0.096063	0.03797	-0.0310557	0.50319	0.025327	0.5851
0.00209	0.13883	0.00264	0.061964	0.1813	0.03849152	0.4066	0.038356	0.40826
0.00994	0.179617	9.50E-05	0.10572	0.02232	0.03509257	0.44931	0.069144	0.1357
0.04219	0.238734	1.78E-07	0.104808	0.02351	0.04993539	0.28153	0.052107	0.2611
0.01043	0.185183	5.67E-05	0.115888	0.01221	0.05316513	0.25153	0.085944	0.06349
0.34812	0.100248	0.03031	0.035902	0.43892	-0.0272777	0.55653	-0.00536	0.90811
0.23803	0.154602	0.0008	0.013161	0.77667	-0.0804296	0.08252	0.019528	0.67382
0.16751	0.101023	0.02905	0.077635	0.09379	0.04923486	0.28834	0.035499	0.44408
0.7326	0.171774	0.00019	0.057303	0.21645	0.02418426	0.60216	0.086416	0.06205
0.63168	-0.00017	0.99707	-0.01064	0.81865	0.05365446	0.24719	0.085379	0.06526
0.5407	0.245067	8.15E-08	0.118181	0.01059	0.08317712	0.07253	0.137066	0.003
0.3397	0.089595	0.05301	0.02919	0.5292	-0.0546195	0.23878	-0.01121	0.80904
0.36073	0.106414	0.02145	0.088667	0.05553	0.0187708	0.68578	0.02014	0.66422
0.85706	0.042204	0.36283	0.006469	0.88911	-0.0439266	0.34355	-0.01355	0.77026
0.25487	0.168385	0.00026	0.083114	0.07275	-0.0010492	0.98196	0.034309	0.4595
0.28769	0.16898	0.00024	0.124576	0.00703	0.05060882	0.27508	0.047552	0.30515
0.06255	0.164662	0.00035	0.101706	0.02797	0.06883211	0.13748	0.06351	0.17063
0.38433	0.042478	0.35971	-0.06224	0.17938	-0.013776	0.76653	0.049117	0.2895
0.9998	0.240543	1.43E-07	0.370856	1.13E-16	0.19367742	2.51E-05	0.183005	6.96E-05
0.75297	0.10093	0.0292	0.225494	8.50E-07	0.13107358	0.00455	0.114908	0.01296
0.68788	0.104017	0.02458	0.127973	0.00561	0.16720302	0.00028	0.120536	0.00913
0.60253	0.122853	0.00786	0.08709	0.06003	0.04973018	0.28351	0.027156	0.55829
0.01727	0.220335	1.52E-06	0.308543	9.31E-12	-0.0603071	0.19328	-0.13379	0.00377
0.63363	0.043433	0.34901	-0.08067	0.08162	0.02039924	0.66016	-0.10953	0.01789
0.00205	0.049776	0.28307	0.096126	0.03784	-0.0552623	0.23329	-0.12228	0.00816
0.51942	0.300914	3.14E-11	0.357893	1.47E-15	0.39726362	4.18E-19	0.247225	6.22E-08
0.07712	-0.16918	0.00024	0.083064	0.07292	0.39240577	1.22E-18	0.316657	2.46E-12
0.06406	-0.07414	0.1096	0.023583	0.61121	0.43049676	1.71E-22	0.294425	8.59E-11
0.2794	-0.08885	0.05503	0.219312	1.71E-06	0.03201149	0.49013	-0.14382	0.00183
0.00646	0.149559	0.00119	0.215689	2.55E-06	0.11885187	0.01015	0.040285	0.38507

0.02381	-0.30187	2.70E-11	-0.11865	0.01028	0.08953562	0.05316	0.181679	7.86E-05
0.18804	0.01822	0.69453	0.093592	0.04322	-0.2177972	2.02E-06	-0.10462	0.02376
0.00376	0.145001	0.00168	0.073553	0.11243	0.05450246	0.23978	0.113851	0.01383
0.1285	-0.02376	0.60851	-0.02809	0.54478	-0.0153473	0.7408	-0.12472	0.00697
1.56E-05	0.052766	0.25512	-0.029	0.53193	0.12458708	0.00703	-0.03383	0.46586
0.00278	-0.14214	0.00208	0.068203	0.14112	0.33974005	4.43E-14	0.203193	9.62E-06
0.00294	0.170102	0.00022	0.038889	0.40177	0.05267863	0.2559	0.064183	0.16614
0.00768	-0.09566	0.03879	-0.07738	0.09488	-0.0189296	0.68326	-0.14068	0.00231
1.68E-06	-0.10987	0.01754	-0.18205	7.60E-05	0.06985712	0.1317	0.216078	2.44E-06
0.02401	0.110157	0.01725	0.114253	0.01349	0.23154736	4.21E-07	0.24263	1.10E-07
0.03711	0.010223	0.8256	0.119375	0.00982	0.09264316	0.0454	-0.01855	0.6892
0.10967	-0.1797	9.43E-05	-0.42909	2.43E-22	-0.0258528	0.57734	-0.16115	0.00047
0.05579	0.077565	0.09409	0.082053	0.07649	0.1716334	0.00019	0.094002	0.04231
0.64288	-0.05134	0.26816	-0.00975	0.83349	0.09171712	0.0476	0.081444	0.07871
0.13877	-0.15551	0.00075	-0.12251	0.00804	0.05123508	0.26918	0.115382	0.01259
0.34682	0.109166	0.01828	0.013479	0.77143	-0.0624011	0.17824	-0.04776	0.30305
0.98501	-0.03047	0.51126	0.025463	0.58308	0.17383138	0.00016	0.185545	5.48E-05
0.00036	0.059762	0.19734	0.064505	0.16402	0.40812763	3.59E-20	0.297216	5.59E-11
6.83E-05	0.174908	0.00015	0.142446	0.00203	0.03345458	0.47077	0.009208	0.84269
0.00108	-0.20208	1.08E-05	-0.20176	1.11E-05	-0.091963	0.04701	-0.14653	0.0015
4.05E-07	0.115965	0.01215	0.041183	0.37456	0.05730629	0.21642	0.091324	0.04857
0.01745	0.143541	0.00187	0.062359	0.17854	-0.0396593	0.3925	-0.09494	0.04029
0.00266	0.093635	0.04312	-0.08839	0.05629	0.26276362	8.18E-09	0.269317	3.34E-09
0.09893	0.006883	0.88208	-0.19378	2.48E-05	0.12862012	0.00538	0.073019	0.11507
0.36567	-0.01556	0.73728	0.019681	0.67141	0.03821207	0.41002	0.023903	0.60639
0.96145	0.110496	0.0169	0.047856	0.30207	0.09800865	0.03423	0.117511	0.01104
0.00084	0.035671	0.44187	-0.12959	0.00503	-0.1360006	0.00323	-0.12655	0.00617
0.0004	0.049669	0.28411	-0.0567	0.22136	0.09786975	0.03448	0.170372	0.00022
0.00764	-0.12656	0.00617	-0.13532	0.00339	0.07990624	0.08454	0.185005	5.77E-05
4.73E-13	0.043949	0.3433	0.022338	0.63017	0.03912817	0.39888	-0.05068	0.27444
0.18965	0.177157	0.00012	0.468215	8.06E-27	0.13609758	0.00321	-0.01168	0.80128
0.3039	0.127765	0.00569	0.145536	0.00161	0.10735274	0.02032	0.206293	6.97E-06
8.92E-05	-0.24726	6.19E-08	-0.25339	2.82E-08	-0.0599024	0.19629	-0.09018	0.05146
0.47216	0.114965	0.01292	0.173364	0.00017	-0.0426008	0.35833	-0.1731	0.00017
0.1174	0.291535	1.33E-10	0.317495	2.14E-12	0.05456129	0.23928	0.009452	0.83857
0.45627	0.212953	3.43E-06	0.068592	0.13886	0.14449698	0.00174	0.173686	0.00016
0.11494	0.128591	0.00539	0.149835	0.00116	-0.0832375	0.07232	-0.17082	0.00021
0.02216	0.074834	0.10629	0.076098	0.10049	0.05601994	0.22693	-0.08104	0.08019
0.19174	0.116145	0.01202	0.194192	2.38E-05	0.05503597	0.23521	0.021179	0.64802
0.52445	0.005856	0.89957	-0.15659	0.00068	-0.1947097	2.26E-05	-0.30398	1.93E-11
0.06965	0.107009	0.02073	0.228181	6.24E-07	0.01061336	0.81906	0.031716	0.49415
0.13729	-0.06199	0.18109	-0.02676	0.56402	0.12883928	0.0053	0.192612	2.78E-05
1.14E-05	-0.05306	0.25246	-0.05634	0.22426	0.05703418	0.21862	0.105005	0.02325
0.04215	0.082909	0.07346	0.099526	0.03153	0.16359444	0.00039	0.09208	0.04673
0.00469	0.078785	0.08901	0.279318	8.12E-10	0.4321779	1.13E-22	0.29363	9.70E-11

0.24325	0.186633	4.95E-05	0.039292	0.3969	0.04619255	0.31921	0.143209	0.00192
0.00937	0.187826	4.42E-05	0.382011	1.13E-17	0.17429197	0.00015	-0.02417	0.60243
5.86E-07	0.000477	0.99181	-0.03655	0.4307	0.18845863	4.16E-05	0.11899	0.01006
0.00023	0.158834	0.00057	0.020424	0.65977	-0.1404555	0.00235	-0.18693	4.81E-05
0.02766	0.066553	0.15101	-0.02093	0.65182	0.06154128	0.18431	0.180865	8.48E-05
1.66E-10	-0.20587	7.29E-06	-0.11373	0.01393	-0.1710914	0.0002	-0.30811	9.98E-12
0.01404	0.021895	0.63696	0.157155	0.00065	0.12119501	0.00875	-0.02111	0.64904
0.44799	-0.06632	0.15243	0.010793	0.81606	0.12021326	0.00931	0.139652	0.00249
0.89557	0.115114	0.0128	-0.01896	0.68276	0.00585759	0.89954	-0.1155	0.0125
1.88E-06	0.248458	5.32E-08	0.145894	0.00157	-0.0815187	0.07843	-0.16468	0.00035
3.42E-07	0.296404	6.33E-11	0.267592	4.24E-09	0.23168261	4.14E-07	0.161309	0.00047
0.2363	-0.12678	0.00608	0.125292	0.00671	0.25292094	3.00E-08	0.199636	1.38E-05
0.00152	0.182309	7.42E-05	0.115551	0.01246	-0.0256601	0.58018	-0.13182	0.00433
0.79982	-0.13374	0.00379	-0.06202	0.18089	-0.1179752	0.01072	-0.11238	0.01511
1.06E-14	-0.03043	0.5118	-0.02797	0.54658	0.03484908	0.45247	-0.0075	0.87165
0.0011	-0.22363	1.05E-06	-0.12348	0.00755	0.08153551	0.07837	0.120206	0.00932
0.00126	0.251647	3.54E-08	0.191448	3.12E-05	0.02373302	0.60895	-0.03518	0.44821
0.12092	-0.0604	0.19259	-0.05449	0.2399	-0.1208993	0.00892	-0.23753	2.06E-07
0.00424	0.025097	0.58852	0.286926	2.66E-10	0.11235979	0.01513	-0.05512	0.23449
0.07375	0.022384	0.62947	0.121656	0.00849	0.26292973	8.00E-09	0.206328	6.95E-06
1.02E-18	0.145334	0.00164	0.157399	0.00064	0.15554349	0.00074	0.137255	0.00296
0.00012	0.263313	7.59E-09	0.242582	1.11E-07	0.05214967	0.26071	0.110412	0.01699
0.02777	0.096224	0.03765	0.117878	0.01079	-0.0772775	0.09532	-0.06444	0.16445
0.12721	-0.07064	0.12741	-0.0593	0.20084	-0.1601302	0.00051	-0.18678	4.88E-05
0.77774	0.066425	0.1518	0.03741	0.41992	-0.0206294	0.65657	-0.06267	0.17637
0.07076	-0.07616	0.10021	-0.03038	0.51254	-0.0372234	0.42225	-0.10489	0.02339
0.00517	0.102828	0.02628	0.280787	6.56E-10	0.4430558	7.12E-24	0.305928	1.42E-11
0.16923	-0.01216	0.79321	0.007786	0.86673	0.06531963	0.15875	0.052781	0.25498
0.00036	-0.07009	0.13039	0.219899	1.60E-06	0.31866579	1.76E-12	0.137008	0.00301
0.28943	0.071906	0.12072	0.483613	9.53E-29	0.38281819	9.52E-18	0.171335	0.0002
0.43459	0.01854	0.68945	0.013939	0.76384	0.008603	0.8529	0.027583	0.55212
0.00436	0.063291	0.17212	-0.07683	0.09724	-0.0997033	0.03122	-0.18202	7.62E-05
0.17713	0.215494	2.61E-06	0.061964	0.18131	-0.0072099	0.87651	-0.03102	0.50368
0.05371	0.147678	0.00137	-0.05349	0.24868	0.1482274	0.00132	0.112625	0.01489
0.07578	0.007572	0.87036	0.105509	0.02259	0.17941857	9.68E-05	0.103601	0.02516
0.03943	-0.07942	0.08646	-0.04631	0.31802	0.00439832	0.92448	-0.03396	0.46413
0.78162	0.294733	8.19E-11	0.118725	0.01023	0.09290785	0.04478	0.146366	0.00152
0.54471	-0.12043	0.00919	-0.00503	0.91363	-0.0049932	0.9143	-0.04787	0.30189
1.40E-17	0.158986	0.00056	0.175172	0.00014	0.13380099	0.00377	0.127934	0.00563
2.34E-08	0.173634	0.00016	0.081349	0.07906	-0.057767	0.21275	0.024938	0.59089
0.05036	0.046705	0.31387	0.108633	0.01886	0.14984651	0.00116	0.188592	4.11E-05
0.41546	-0.00103	0.98221	0.283521	4.40E-10	0.42505034	6.53E-22	0.276569	1.20E-09
1.89E-09	-0.01741	0.70742	-0.02777	0.54945	0.0779695	0.09238	0.213027	3.41E-06
2.15E-06	-0.10705	0.02068	-0.04272	0.35698	0.31263354	4.78E-12	0.219596	1.66E-06
0.57507	0.003772	0.93521	-0.00179	0.96928	0.16908419	0.00024	0.130729	0.00466

0.88607	-0.09504	0.04007	-0.01778	0.70156	0.33760832	6.51E-14	0.281952	5.54E-10
0.18371	0.073556	0.11241	-0.06944	0.13403	-0.1602432	0.00051	-0.26159	9.58E-09
5.54E-08	-0.08556	0.06468	-0.01403	0.76228	-0.0103235	0.82392	-0.12151	0.00858
0.51274	0.116789	0.01155	0.086679	0.06125	0.14675804	0.00147	0.160342	0.0005
0.00898	0.033276	0.47314	-0.0712	0.12442	0.04320562	0.35154	0.140235	0.00239
0.00056	-0.12935	0.00512	-0.05575	0.22921	-0.0034241	0.94117	-0.11083	0.01658
0.85351	0.063817	0.16857	-0.04631	0.31799	-0.0075573	0.87061	0.077136	0.09593
0.90027	-0.14555	0.00161	-0.05091	0.27222	-0.0207508	0.65468	-0.07917	0.08744
0.50455	-0.0105	0.82099	-0.05462	0.23878	-0.0024762	0.95744	0.027229	0.55724
0.95694	0.074536	0.10769	0.003413	0.94135	0.07554465	0.103	0.116987	0.01141
1.78E-05	-0.02593	0.57618	-0.03489	0.45192	0.0241347	0.6029	0.072651	0.11691
0.25438	0.03609	0.43653	-0.04797	0.30093	0.004343	0.92543	0.066086	0.15391
0.03064	0.080589	0.08191	-0.03757	0.418	-0.1003749	0.0301	-0.16239	0.00043
0.38013	0.073342	0.11346	0.103942	0.02469	0.1678079	0.00027	0.149598	0.00119
0.03255	0.023396	0.61405	0.064761	0.16235	0.13350986	0.00385	0.124834	0.00691
0.95645	0.011756	0.79998	-0.19019	3.52E-05	-0.0937516	0.04287	0.037292	0.42139
0.00671	-0.07195	0.1205	-0.05131	0.26844	0.05965405	0.19815	0.025011	0.5898
3.29E-06	-0.10779	0.01981	0.079354	0.08672	0.31033415	6.96E-12	0.26937	3.31E-09
2.87E-10	0.073082	0.11475	0.189667	3.70E-05	0.28341681	4.47E-10	0.345178	1.63E-14
0.61462	0.116659	0.01164	0.053556	0.24806	-0.0993931	0.03176	-0.08421	0.06905
0.77016	-0.2372	2.14E-07	-0.26972	3.16E-09	-0.1115433	0.01589	-0.10945	0.01799
1.27E-14	0.032299	0.48624	-0.0447	0.33512	-0.1541489	0.00083	-0.06072	0.19027
0.20798	0.134439	0.00361	0.337209	6.99E-14	0.19665613	1.87E-05	0.034789	0.45326
0.00066	0.093952	0.04242	0.09224	0.04635	0.1013253	0.02857	0.054432	0.24039
3.87E-07	0.148257	0.00131	0.191497	3.10E-05	0.28556641	3.26E-10	0.22791	6.44E-07
0.00176	0.056604	0.22212	-0.01339	0.7729	0.06047877	0.19201	0.065312	0.1588
0.03044	-0.16824	0.00026	-0.13298	0.00399	0.01026297	0.82494	0.027826	0.54862
0.02298	-0.06366	0.16962	-0.18137	8.09E-05	0.10870827	0.01878	-0.00921	0.84264
0.00011	-0.12349	0.00755	-0.15003	0.00115	-0.0410426	0.37619	-0.02995	0.51849
0.77321	-0.02465	0.59517	0.001611	0.9723	0.00929177	0.84127	-0.00661	0.88671
0.19907	-0.00739	0.8735	0.072514	0.11761	0.1250169	0.00683	0.144385	0.00176
2.73E-05	0.01954	0.67363	0.067888	0.14297	0.09824354	0.0338	0.065134	0.15994
0.75814	0.328843	3.08E-13	0.267643	4.21E-09	0.36842319	1.85E-16	0.301038	3.08E-11
0.9023	0.191738	3.03E-05	0.358472	1.32E-15	0.03260396	0.48213	-0.15467	0.0008
0.69061	0.077818	0.09302	0.035811	0.44008	0.0418781	0.36654	0.134916	0.00349
0.87765	0.124774	0.00694	0.04543	0.32727	0.0306681	0.50853	0.033293	0.47292
5.07E-09	0.18995	3.60E-05	0.045106	0.33074	-0.089194	0.05408	-0.21667	2.29E-06
0.62615	-0.08313	0.07271	-0.14128	0.00221	-0.0329443	0.47757	0.035279	0.4469
0.01648	-0.13387	0.00375	-0.03423	0.46051	0.07252664	0.11754	0.081379	0.07895
0.03639	0.317978	1.97E-12	0.360341	9.15E-16	0.02564792	0.58036	-0.15243	0.00095
0.02379	0.20234	1.05E-05	0.064018	0.16723	-0.0655586	0.15723	-0.06875	0.13794
0.94562	0.021197	0.64775	-0.06843	0.13977	-0.0542014	0.24239	0.05246	0.25788
0.00355	-0.03028	0.51389	-0.06801	0.14222	-0.0429857	0.35399	-0.01752	0.70568
0.01056	0.088377	0.05633	-0.03496	0.45103	0.02690185	0.56198	0.068973	0.13667
2.97E-05	-0.06466	0.16303	0.005334	0.90848	-0.0062437	0.89295	-0.07787	0.0928

3.17E-06	0.094601	0.04101	-0.03042	0.51196	-0.0594013	0.20007	-0.12183	0.0084
7.60E-07	-0.26115	1.02E-08	-0.07849	0.09024	-0.0892729	0.05387	-0.09513	0.03988
0.36097	0.033996	0.46361	-0.14736	0.00141	-0.2426194	1.11E-07	-0.35381	3.23E-15
0.57739	0.079309	0.0869	-0.04253	0.35914	0.02790958	0.54742	-0.06469	0.1628
0.44338	-0.14217	0.00207	-0.14499	0.00168	0.01842107	0.69133	0.072396	0.1182
0.10847	0.164103	0.00037	0.035509	0.44395	-0.2100135	4.71E-06	-0.20094	1.21E-05
0.00625	0.04395	0.34329	-0.03661	0.42997	-0.1721467	0.00019	-0.16241	0.00043
0.21344	0.013453	0.77185	-0.02319	0.61716	-0.1812114	8.21E-05	-0.2456	7.63E-08
0.28563	0.302355	2.50E-11	0.144078	0.0018	-0.1337261	0.00379	-0.20035	1.29E-05
0.00913	0.275909	1.32E-09	0.178124	0.00011	-0.1055817	0.02249	-0.1613	0.00047
0.34385	0.012066	0.79481	-0.03403	0.46312	0.07140389	0.12335	0.022919	0.62129
0.16787	0.107827	0.01977	0.108973	0.01849	-0.0746556	0.10713	-0.12751	0.00579
1.59E-18	0.048051	0.30011	0.015242	0.74252	-0.1359715	0.00324	-0.19148	3.11E-05
0.18369	0.207128	6.39E-06	0.101315	0.02858	0.33529762	9.85E-14	0.119611	0.00968
1.46E-10	-0.10362	0.02513	-0.09993	0.03084	0.06317921	0.17288	0.087468	0.05893
0.48279	-0.25943	1.28E-08	-0.17446	0.00015	-0.0798031	0.08495	-0.12162	0.00852
0.77029	-0.10985	0.01756	-0.06913	0.13578	0.13189869	0.0043	0.080961	0.08051
0.48878	-0.05248	0.25766	-0.1326	0.0041	-0.2200426	1.58E-06	-0.13859	0.00269
0.00647	-0.17781	0.00011	-0.39259	1.17E-18	-0.4416798	1.02E-23	-0.34968	7.06E-15
0.08883	-0.1242	0.0072	-0.39904	2.82E-19	-0.2847731	3.66E-10	-0.20263	1.02E-05
0.05663	-0.16133	0.00047	-0.41471	7.76E-21	-0.3400506	4.18E-14	-0.2512	3.75E-08
0.96742	-0.19517	2.16E-05	-0.33815	5.90E-14	-0.2662452	5.10E-09	-0.20835	5.61E-06
0.02838	-0.16918	0.00024	-0.46709	1.10E-26	-0.3769064	3.28E-17	-0.27577	1.35E-09
0.61561	-0.1429	0.00196	-0.29246	1.16E-10	-0.1527778	0.00093	-0.10397	0.02464
0.00619	-0.17992	9.24E-05	-0.35278	3.93E-15	-0.3746241	5.24E-17	-0.26969	3.17E-09
8.34E-07	0.012844	0.78192	-0.073	0.11518	0.16639219	0.0003	0.280846	6.51E-10
2.67E-08	-0.24963	4.58E-08	-0.04158	0.36992	0.32174078	1.04E-12	0.250869	3.91E-08
0.37276	-0.16343	0.00039	-0.21084	4.31E-06	-0.2225805	1.18E-06	-0.22176	1.30E-06
0.00026	0.091685	0.04768	0.03544	0.44484	0.09286234	0.04489	0.196397	1.92E-05
8.19E-06	0.011907	0.79746	-0.03211	0.48877	0.09922486	0.03205	0.13517	0.00343
0.45969	-0.03739	0.42019	0.01152	0.8039	0.07269963	0.11667	0.03767	0.4167
0.03805	0.013485	0.77133	-0.05645	0.22341	-0.0329528	0.47746	-0.06028	0.1935
2.80E-06	-0.26313	7.79E-09	-0.19954	1.40E-05	-0.014486	0.75487	-0.04629	0.3182
4.06E-09	-0.08957	0.05308	-0.0258	0.57815	0.07448137	0.10795	0.080081	0.08386
0.47162	0.325778	5.23E-13	0.305456	1.53E-11	0.22991811	5.10E-07	0.06475	0.16242
0.00671	-0.29167	1.31E-10	-0.0022	0.9621	0.21086804	4.30E-06	-0.03519	0.44812
0.83955	0.029108	0.53035	0.032364	0.48536	0.26145091	9.76E-09	0.342725	2.57E-14
0.0013	0.126292	0.00628	0.036395	0.43266	0.03768486	0.41651	-0.01291	0.78086
0.45437	-0.0006	0.98966	-0.01322	0.77573	-0.0421255	0.36372	-0.02411	0.60333
0.09629	-0.01876	0.68592	-0.00027	0.99529	0.03228673	0.48641	0.016485	0.72235
0.35045	0.009313	0.84092	-0.03617	0.43556	-0.1090898	0.01837	-0.143	0.00195
0.82499	-0.04188	0.36653	-0.09447	0.0413	-0.1232671	0.00766	-0.10396	0.02466
0.09898	0.147662	0.00137	0.029594	0.5235	-0.0039979	0.93134	0.015833	0.73291
2.26E-10	0.091883	0.0472	0.012508	0.78748	0.09430223	0.04165	0.080701	0.08148
0.02868	0.102419	0.02688	0.113727	0.01393	0.03108436	0.50279	-0.00134	0.97699

2.57E-08	0.045928	0.32199	0.006907	0.88166	-0.01889	0.68389	-0.02168	0.6403
0.59234	0.211925	3.84E-06	0.029108	0.53034	-0.0016257	0.97205	0.029397	0.52627
0.41279	-0.25728	1.70E-08	-0.34606	1.39E-14	-0.2361621	2.43E-07	-0.24262	1.10E-07
0.24908	0.103569	0.02521	0.050444	0.27665	-0.0378514	0.41446	-0.06035	0.19294
0.16097	0.09726	0.03563	0.037671	0.41669	-0.0663247	0.15242	-0.07725	0.09544
0.40752	0.092148	0.04656	-0.02503	0.5895	-0.025531	0.58209	0.067901	0.14289
0.45507	0.099936	0.03083	0.010118	0.82737	-0.0067344	0.8846	0.018211	0.69467
0.10528	-0.00862	0.85269	-0.0342	0.46091	0.00853439	0.85406	-0.02268	0.62498
0.38212	0.231785	4.09E-07	0.326701	4.46E-13	0.12542578	0.00665	0.165384	0.00033
3.89E-05	0.219363	1.70E-06	0.155868	0.00072	-0.2139897	3.07E-06	-0.20203	1.08E-05
0.85787	-0.04332	0.35025	-0.07555	0.10297	-0.12897	0.00525	-0.14315	0.00193
0.28244	0.055093	0.23473	0.020331	0.66123	-0.1908706	3.30E-05	-0.23334	3.40E-07
0.01379	0.147691	0.00137	-0.06822	0.14104	-0.1892314	3.86E-05	-0.23305	3.53E-07
0.33905	0.027877	0.54789	-0.11898	0.01007	0.08320066	0.07245	0.145859	0.00157
0.43506	-0.04407	0.34196	-0.13741	0.00292	0.01574396	0.73435	-0.01274	0.78369
0.03591	0.055424	0.23192	-0.07006	0.13058	-0.0419533	0.36568	-0.07265	0.11691
0.11996	0.101669	0.02803	0.064372	0.1649	0.06030571	0.19329	0.014358	0.75697
0.00357	-0.27709	1.12E-09	-0.07149	0.12289	0.24090008	1.37E-07	0.128195	0.00553
0.21019	0.073525	0.11256	0.038591	0.40539	0.04496499	0.33225	0.039553	0.39378
5.23E-13	0.043007	0.35375	-0.01669	0.71901	0.13380217	0.00377	0.260051	1.18E-08
0.00149	0.098824	0.03275	0.027741	0.54984	0.05808044	0.21027	0.01199	0.79608
0.06279	-0.27083	2.71E-09	-0.17926	9.82E-05	0.02643371	0.56881	0.053873	0.24527
0.07302	0.263666	7.24E-09	0.133775	0.00378	0.01565841	0.73574	0.019853	0.66871
0.5835	0.103508	0.0253	-0.02984	0.52012	-0.0301221	0.51611	0.002688	0.95381
0.19059	0.071869	0.12091	0.030197	0.51507	0.08106967	0.0801	0.076387	0.0992
4.04E-07	-0.14202	0.00209	-0.21771	2.04E-06	-0.0358823	0.43917	0.067295	0.1465
0.68856	0.109063	0.01839	0.115969	0.01215	-0.0308521	0.50599	-0.03011	0.51631
0.83235	0.178543	0.0001	0.060556	0.19145	0.00388259	0.93331	-0.17992	9.24E-05
9.95E-06	0.026102	0.57367	-0.00032	0.99452	0.07104717	0.12524	0.013902	0.76445
0.01318	-0.01659	0.72069	-0.29123	1.40E-10	-0.1839895	6.35E-05	-0.12255	0.00802
0.00078	0.214265	2.98E-06	0.076535	0.09855	0.03697264	0.42538	0.032219	0.48732
0.00022	0.008891	0.84803	-0.07043	0.12857	-0.0476183	0.30448	-0.02692	0.56177
0.00331	0.054517	0.23966	0.102937	0.02612	0.14903838	0.00124	0.086856	0.06073
0.17463	-0.03806	0.41186	-0.13466	0.00355	0.08101761	0.08029	0.046365	0.3174
0.40983	0.09908	0.0323	0.182498	7.29E-05	0.32278087	8.75E-13	0.204633	8.29E-06
0.41071	-0.00079	0.98646	-0.02368	0.60982	0.12960871	0.00503	0.061695	0.18321
0.58853	0.071278	0.12401	0.384017	7.39E-18	0.34221807	2.82E-14	0.11326	0.01433
0.28484	-0.2356	2.60E-07	-0.19131	3.16E-05	-0.0106687	0.81814	0.034848	0.45248
9.89E-12	0.109231	0.01821	0.102698	0.02647	0.11091829	0.01649	0.193183	2.63E-05
0.00841	0.089064	0.05444	-0.01463	0.75253	-0.2341048	3.11E-07	-0.30853	9.32E-12
0.12581	0.046272	0.31838	-0.03446	0.45757	-0.0131948	0.77611	0.020262	0.6623
0.00068	-0.01671	0.71868	-0.10572	0.02232	-0.097228	0.03569	-0.09062	0.05033
0.982	0.001967	0.96618	-0.02538	0.58428	0.07631939	0.0995	0.164953	0.00034
0.05183	-0.14339	0.00189	-0.05787	0.21191	-0.013516	0.77081	-0.16498	0.00034
0.46062	0.167142	0.00029	0.023745	0.60877	-0.0188756	0.68412	-0.01208	0.79459

0.26922	0.236994	2.20E-07	0.076465	0.09886	0.00340459	0.94151	0.024444	0.59826
0.25716	0.059839	0.19677	0.041736	0.36817	0.06699402	0.14832	0.173672	0.00016
0.15505	-0.02605	0.57447	-0.02643	0.56881	0.01977293	0.66997	0.139043	0.0026
0.55299	0.085657	0.06439	-0.0443	0.33942	-0.09848	0.03337	-0.07654	0.09854
0.47113	0.071061	0.12516	0.169107	0.00024	0.31193652	5.36E-12	0.19598	2.00E-05
0.07607	0.272141	2.25E-09	0.086506	0.06177	0.14573391	0.00159	0.2599	1.20E-08
0.6087	0.158766	0.00057	0.304241	1.86E-11	0.28576721	3.16E-10	0.018204	0.69479
0.35416	0.024377	0.59927	0.040337	0.38446	0.04980293	0.28281	0.055414	0.232
0.15361	0.273542	1.85E-09	0.304844	1.69E-11	0.21267002	3.54E-06	0.251971	3.39E-08
0.99079	-0.01297	0.77976	-0.04197	0.36549	0.06741554	0.14578	0.125992	0.00641
0.05867	0.297084	5.70E-11	0.429388	2.25E-22	0.08305751	0.07294	0.006688	0.88539
0.20075	0.135404	0.00337	0.052291	0.25942	-0.0235106	0.61231	-0.12222	0.00819
0.05135	0.053395	0.24948	-0.02979	0.52078	0.09354063	0.04334	0.201125	1.19E-05
0.23335	0.116028	0.0121	0.057675	0.21348	-0.0380707	0.41176	-0.07244	0.11798
0.1123	0.25085	3.92E-08	0.156465	0.00069	0.20976923	4.83E-06	0.325078	5.90E-13
0.03331	0.133214	0.00393	0.282892	4.83E-10	0.06359959	0.17003	-0.01346	0.77175
0.82909	0.196493	1.90E-05	0.12312	0.00773	0.05619979	0.22544	0.052175	0.26048
0.02677	0.038248	0.40958	0.014534	0.75408	0.00053259	0.99084	-0.02833	0.5414
0.91511	-0.01578	0.73382	-0.12077	0.00899	-0.1414317	0.00219	-0.27819	9.54E-10
0.45209	0.05464	0.2386	0.053834	0.24561	0.04108216	0.37573	0.051878	0.26321
5.37E-18	0.039002	0.4004	0.119264	0.00989	0.19139225	3.13E-05	0.222052	1.26E-06
0.00011	0.067972	0.14247	-0.02869	0.53623	0.02879737	0.53475	0.076853	0.09715
0.63171	-0.0092	0.84288	-0.00342	0.94123	0.03544065	0.44483	-0.06491	0.1614
0.46163	0.118802	0.01018	0.03123	0.50079	0.04478903	0.33415	0.042961	0.35427
0.43738	0.119749	0.00959	0.061515	0.1845	0.03578319	0.44044	0.033459	0.47071
0.48061	0.090548	0.05052	0.026104	0.57364	-0.0071416	0.87767	-0.01874	0.6863
0.36288	0.004156	0.92863	-0.03377	0.46656	0.01107516	0.81134	0.021301	0.64614
0.30506	0.062939	0.17452	-0.01978	0.66978	-0.0356093	0.44266	-0.02434	0.59986
0.05388	0.231773	4.10E-07	0.156496	0.00069	0.24456866	8.67E-08	0.170703	0.00021
0.00253	-0.14637	0.00152	0.022365	0.62975	0.12904477	0.00522	0.072579	0.11728
2.79E-17	0.056292	0.22468	0.01145	0.80507	-0.1102036	0.0172	-0.14036	0.00237
2.14E-08	0.33277	1.54E-13	0.180392	8.85E-05	0.13383089	0.00376	0.244786	8.44E-08
0.13596	0.043857	0.34431	0.063015	0.174	0.17209921	0.00019	0.255479	2.15E-08
0.01604	-0.1665	0.0003	-0.04417	0.34084	0.28410535	4.04E-10	0.279975	7.38E-10
0.00617	-0.0932	0.04411	-0.01433	0.75747	0.05493122	0.2361	0.08552	0.06482
0.03006	0.080343	0.08285	-0.23917	1.69E-07	-0.2236365	1.05E-06	-0.21739	2.12E-06
0.90284	-0.18131	8.13E-05	-0.3044	1.81E-11	-0.0056715	0.90271	0.1484	0.0013
0.0178	0.319512	1.52E-12	0.225803	8.21E-07	0.04131385	0.37304	-0.02555	0.58185
0.00576	0.028518	0.53872	0.112389	0.0151	0.04910017	0.28966	-0.00116	0.98002
0.50128	0.233443	3.36E-07	0.324962	6.02E-13	0.08234218	0.07546	0.063192	0.17279
0.98899	0.108741	0.01874	-0.15278	0.00093	-0.0778943	0.09269	-0.08141	0.07884
9.54E-05	0.035868	0.43936	0.041319	0.37299	0.08573272	0.06415	0.053921	0.24484
0.04177	0.260883	1.05E-08	0.243175	1.03E-07	0.22345303	1.07E-06	0.150187	0.00113
1.42E-11	-0.01084	0.81532	-0.13493	0.00349	-0.0229454	0.62089	-0.00483	0.91715
0.11061	-0.028	0.54616	0.046279	0.3183	0.11520938	0.01273	0.016498	0.72215



0.00813	0.120225	0.00931	0.155209	0.00076	0.29857952	4.52E-11	0.298705	4.43E-11
0.39888	-0.07245	0.11791	-0.128	0.0056	-0.0125154	0.78736	0.058594	0.20626
0.00563	0.031109	0.50245	0.01578	0.73376	0.06575184	0.156	-0.11212	0.01535
0.13806	0.325952	5.08E-13	0.24963	4.58E-08	0.10479829	0.02352	0.070781	0.12666
0.91008	0.136291	0.00317	0.109973	0.01744	0.0852698	0.06561	0.090091	0.0517
0.16088	0.063492	0.17075	0.001756	0.96981	0.01577566	0.73384	0.038435	0.40729
0.0196	0.111525	0.0159	-0.02482	0.59259	-0.0866984	0.0612	-0.09283	0.04497
1.20E-05	0.145578	0.00161	0.058603	0.20619	0.09729634	0.03556	0.007992	0.86324
0.14948	-0.01725	0.71003	-0.0938	0.04275	-0.1616691	0.00045	-0.14703	0.00144
0.79083	0.182982	6.97E-05	0.109066	0.01839	0.0785519	0.08996	0.118268	0.01053
0.95239	0.117341	0.01116	0.130091	0.00487	0.08189124	0.07708	0.082767	0.07396
0.8448	0.057253	0.21685	0.036614	0.42989	0.00161333	0.97226	-0.01688	0.71592
0.96298	0.087842	0.05785	0.014766	0.7503	-0.1017564	0.02789	-0.09163	0.04781
0.50651	0.076594	0.09829	0.019816	0.66929	-0.003528	0.93939	-0.00872	0.85087
0.36006	0.215414	2.63E-06	0.14525	0.00165	-0.0200961	0.6649	-0.08217	0.07609
0.00027	0.256199	1.96E-08	0.178438	0.00011	0.00751157	0.87139	-0.04956	0.28517
0.4148	-0.1147	0.01313	-0.09542	0.03929	-0.006855	0.88255	0.072187	0.11927
0.00159	0.038264	0.40938	-0.01713	0.71191	0.0379041	0.41381	0.056628	0.22192
0.17031	0.206652	6.72E-06	0.15201	0.00098	0.02197069	0.6358	-0.00511	0.91233
0.59123	0.012788	0.78283	0.003769	0.93525	0.02357592	0.61132	0.043451	0.34881
0.85972	0.071312	0.12383	0.00172	0.97044	-0.0247235	0.59408	-0.03816	0.4107
0.29312	0.272593	2.11E-09	0.498549	1.03E-30	0.23840668	1.85E-07	0.034121	0.46197
0.00023	0.037129	0.42343	0.044174	0.34084	0.18938678	3.80E-05	0.281539	5.88E-10
0.45188	0.021085	0.64948	-0.02227	0.63124	0.04048063	0.38277	0.065575	0.15713
4.43E-06	0.026589	0.56653	-0.03349	0.47032	-0.0225418	0.62705	-0.03882	0.40261
0.04364	0.193295	2.60E-05	0.145695	0.00159	-0.014818	0.74944	-0.02619	0.57238
0.26901	0.082115	0.07627	0.050111	0.27984	-0.0361562	0.43568	-0.04355	0.34774
0.02006	0.227455	6.78E-07	0.10283	0.02628	0.00489962	0.9159	-0.00597	0.89765
0.13013	-0.16976	0.00023	0.255347	2.19E-08	0.44268859	7.83E-24	0.228532	5.99E-07
0.07826	0.282646	5.01E-10	0.310694	6.56E-12	-0.1111939	0.01622	-0.19448	2.32E-05
0.09411	0.265666	5.52E-09	0.405873	6.02E-20	-0.0369574	0.42557	-0.14659	0.00149
0.06839	0.276339	1.24E-09	0.180228	8.99E-05	0.1739353	0.00016	0.188389	4.19E-05
0.22325	-0.06213	0.18012	0.065777	0.15585	0.19252321	2.81E-05	0.205611	7.49E-06
5.20E-07	-0.0957	0.0387	-0.0074	0.87326	0.10405082	0.02454	0.107345	0.02033
0.01215	-0.28349	4.42E-10	-0.24626	7.02E-08	-0.2238964	1.02E-06	-0.14702	0.00144
2.79E-11	-0.08748	0.05888	-0.17591	0.00013	-0.0337218	0.46723	-0.01588	0.73218
0.00526	-0.2733	1.91E-09	-0.24629	6.99E-08	-0.2520254	3.37E-08	-0.25639	1.91E-08
0.00011	0.032052	0.48958	-0.01988	0.66825	0.01292864	0.78051	0.015515	0.73807
0.14228	-0.04795	0.3011	-0.08621	0.06268	-0.17068	0.00021	-0.23598	2.48E-07
0.52243	0.220034	1.58E-06	0.115325	0.01264	0.10956716	0.01786	0.157103	0.00066
0.50929	0.147542	0.00139	0.032031	0.48986	0.27368968	1.81E-09	0.291426	1.36E-10
0.0278	0.040307	0.38482	-0.06626	0.15284	-0.0267009	0.56491	-0.02111	0.64903
0.94584	-0.05164	0.26541	0.003476	0.94027	0.065689	0.1564	0.027835	0.54849
0.14819	-0.0683	0.14056	-0.01412	0.76088	0.08000534	0.08416	0.141249	0.00222
0.65699	0.014665	0.75194	-0.06985	0.13174	-0.0317527	0.49365	0.10865	0.01884

0.31167	0.06482	0.16197	0.088316	0.0565	0.18229142	7.43E-05	0.118975	0.01007
0.20385	0.153664	0.00086	0.085767	0.06404	-0.0713771	0.12349	-0.17667	0.00012
0.5756	-0.03242	0.48456	-0.03006	0.51692	-0.1504604	0.00111	-0.12279	0.0079
0.16695	0.125345	0.00668	0.071568	0.12248	0.00056128	0.99035	-0.0009	0.98456
0.1182	-0.01027	0.82478	-0.07385	0.111	-0.0195946	0.67277	-0.05427	0.24179
0.48209	0.08906	0.05445	0.036403	0.43255	0.06481559	0.16199	0.059456	0.19965
0.8736	-0.06118	0.18693	-0.26755	4.26E-09	-0.219063	1.76E-06	-0.25874	1.40E-08
0.67243	-0.05557	0.23072	-0.04891	0.29158	-0.0331366	0.475	-0.04615	0.31962
0.85962	-0.16332	0.00039	-0.39978	2.39E-19	-0.2365318	2.32E-07	-0.26279	8.15E-09
0.70389	-0.18614	5.19E-05	-0.30834	9.62E-12	-0.1246606	0.00699	-0.15299	0.00091
0.90954	-0.05268	0.25588	-0.07711	0.09604	-0.0679576	0.14256	-0.07623	0.09989
0.72807	0.005799	0.90053	-0.07223	0.11904	0.04908423	0.28982	0.005342	0.90833
0.60706	-0.10397	0.02465	-0.38046	1.56E-17	-0.1918125	3.01E-05	-0.2334	3.38E-07
0.4439	-0.12591	0.00644	-0.30434	1.83E-11	-0.2935799	9.77E-11	-0.29276	1.11E-10
0.77138	-0.03048	0.51118	-0.2259	8.12E-07	-0.2461775	7.09E-08	-0.27644	1.23E-09
0.04884	-0.03015	0.5157	-0.18566	5.42E-05	-0.0171149	0.71221	-0.02812	0.54438
0.04548	0.123627	0.00748	0.064254	0.16567	-0.0413126	0.37306	-0.00857	0.8534
0.02908	-0.09385	0.04264	-0.0677	0.14407	-0.0567591	0.22085	-0.13963	0.00249
9.28E-09	-0.11637	0.01185	-0.00621	0.89354	0.17233219	0.00018	0.226416	7.65E-07
0.48855	0.033303	0.47279	-0.13204	0.00426	-0.0077396	0.86752	-0.02459	0.59604
0.81034	0.091765	0.04749	0.056723	0.22114	0.01758058	0.70474	-0.01139	0.80605
0.08068	0.112987	0.01457	0.111982	0.01547	0.01155264	0.80337	-0.00579	0.90072
0.81623	0.031224	0.50087	0.000548	0.99058	0.00075009	0.9871	0.060665	0.19064
0.44622	0.030788	0.50688	-0.01336	0.7734	0.01465819	0.75205	0.008753	0.85037
1.43E-09	-0.07703	0.09639	0.023559	0.61158	0.10754258	0.0201	0.069712	0.13251
0.51583	0.114425	0.01335	0.05627	0.22486	0.01503172	0.74595	0.009495	0.83786
0.00014	-0.13153	0.00441	-0.03476	0.45358	0.1207796	0.00898	0.079541	0.08598
0.81537	0.059341	0.20052	-0.02237	0.6297	-0.0059336	0.89824	0.027381	0.55503
6.83E-05	0.213889	3.10E-06	0.134135	0.00368	-0.0719402	0.12055	-0.19465	2.28E-05
0.40006	0.1197	0.00962	0.010569	0.8198	0.02724013	0.55707	0.026926	0.56163
0.02539	0.028579	0.53785	-0.0759	0.1014	-0.25221	3.29E-08	-0.31504	3.21E-12
0.1325	0.055684	0.22973	0.044694	0.33518	0.06651694	0.15124	0.037167	0.42296
0.09324	0.166665	0.0003	0.144955	0.00169	-0.0015846	0.97276	-0.06314	0.17317
0.05976	-0.07588	0.10148	-0.06744	0.14562	-0.045879	0.32251	-0.05638	0.22393
0.77008	0.133176	0.00394	0.051768	0.26423	0.01293815	0.78035	0.014728	0.75091
0.81772	-0.22906	5.63E-07	-0.16869	0.00025	0.04733083	0.30742	0.120192	0.00933
2.32E-07	-0.02402	0.60457	-0.00761	0.8697	0.04483903	0.33361	0.031002	0.50392
0.03994	0.173473	0.00016	0.234236	3.06E-07	0.3470776	1.15E-14	0.259268	1.31E-08
0.09925	0.241219	1.31E-07	0.44636	3.02E-24	0.355032	2.55E-15	0.206898	6.54E-06
0.26745	0.131042	0.00456	-0.074	0.11026	0.17575641	0.00013	0.177431	0.00012
0.00112	0.326822	4.37E-13	0.195856	2.02E-05	0.17892877	0.0001	0.28904	1.94E-10
0.63317	-0.05239	0.25853	-0.09635	0.03739	0.05168564	0.26498	0.156322	0.0007
0.50907	-0.28798	2.28E-10	-0.1136	0.01404	0.02976462	0.52111	0.00297	0.94896
0.39133	-0.01314	0.77704	0.04217	0.36321	0.08601989	0.06326	0.086537	0.06168
0.80656	-0.14026	0.00238	-0.11616	0.012	-0.0757096	0.10225	-0.20659	6.76E-06

0.09938	0.199261	1.44E-05	0.118985	0.01007	0.10672144	0.02107	0.213472	3.25E-06
0.00438	0.163553	0.00039	0.080119	0.08371	-0.1122381	0.01524	-0.19285	2.72E-05
1.21E-05	-0.06202	0.18093	0.009879	0.83139	0.02209362	0.63391	0.042234	0.36248
0.05871	0.077544	0.09418	0.032749	0.48018	0.07517553	0.1047	-0.08785	0.05782
0.84378	0.005575	0.90436	-0.01392	0.76421	0.03852529	0.40619	0.052448	0.25799
2.30E-06	0.022618	0.62588	-0.02159	0.6416	0.03463945	0.45519	0.109339	0.0181
0.0031	0.275898	1.33E-09	0.307104	1.17E-11	-0.0349313	0.4514	-0.12121	0.00874
0.01974	0.116105	0.01205	0.059453	0.19968	0.16478832	0.00035	0.029933	0.51875
0.00511	0.014234	0.75901	0.067181	0.14719	0.1260839	0.00637	0.083809	0.07038
0.01727	0.247818	5.77E-08	0.213427	3.26E-06	-0.0673603	0.14611	-0.1954	2.12E-05
0.09531	0.116174	0.01199	0.079316	0.08687	-0.0561451	0.22589	-0.16377	0.00038
0.84494	0.01689	0.71582	-0.02612	0.57344	-0.005403	0.9073	0.018187	0.69505
0.00149	0.121756	0.00844	0.065	0.1608	0.02189489	0.63697	0.009471	0.83825
0.46878	0.195898	2.01E-05	0.115607	0.01242	0.28916911	1.90E-10	0.266517	4.91E-09
0.92891	-0.21002	4.70E-06	-0.32093	1.20E-12	-0.1358743	0.00326	-0.19991	1.35E-05
0.61213	0.136901	0.00303	0.073703	0.11169	0.11742388	0.0111	0.192548	2.80E-05
0.65335	-0.0771	0.09608	-0.17039	0.00022	-0.0665312	0.15115	-0.0754	0.10366
0.54648	-0.09506	0.04003	-0.02771	0.55022	0.13484475	0.00351	0.207012	6.47E-06
0.01853	0.153797	0.00085	0.149178	0.00122	0.0202577	0.66237	0.009022	0.84583
0.11132	0.129453	0.00508	0.103296	0.0256	0.04749465	0.30574	0.029657	0.52262
0.54701	0.033918	0.46465	0.368764	1.72E-16	0.32569518	5.31E-13	0.179268	9.81E-05
0.86381	-0.12277	0.00791	0.23403	3.14E-07	0.37294169	7.40E-17	0.243353	1.01E-07
0.00033	0.041694	0.36865	0.231811	4.08E-07	0.19122874	3.18E-05	0.119893	0.00951
0.19305	0.194294	2.36E-05	0.136892	0.00303	0.2035147	9.31E-06	0.201821	1.11E-05
0.32712	0.082177	0.07605	0.156424	0.00069	0.24494996	8.27E-08	0.271073	2.62E-09
0.01103	0.188599	4.10E-05	0.035406	0.44527	-0.0592843	0.20095	-0.05095	0.27186
0.4506	0.129747	0.00498	0.10447	0.02396	-0.0390154	0.40024	-0.00131	0.97751
0.18404	0.031184	0.50143	0.1243	0.00716	0.26595117	5.31E-09	0.314435	3.55E-12
0.39179	0.055423	0.23193	0.03685	0.42693	-0.0169629	0.71465	-0.02359	0.61115
0.89838	-0.05151	0.26662	-0.06662	0.15063	0.06112835	0.18727	0.044256	0.33994
1.03E-08	-0.02629	0.57084	-0.07156	0.12252	0.02761446	0.55166	0.088557	0.05583
2.27E-05	-0.00617	0.8942	0.150117	0.00114	0.39140392	1.51E-18	0.280721	6.63E-10
0.10872	0.116847	0.0115	0.066036	0.15422	0.0883135	0.05651	0.121256	0.00872
0.02747	-0.04726	0.3081	0.130933	0.0046	0.18786404	4.40E-05	0.163735	0.00038
1.74E-17	-0.10896	0.0185	-0.05566	0.22995	0.08340841	0.07174	0.146994	0.00145
0.74891	0.010021	0.829	-0.07275	0.11643	0.005684	0.9025	0.023165	0.61755
0.59229	0.000962	0.98345	-0.06216	0.17996	0.10038402	0.03008	0.186308	5.10E-05
0.34737	-0.01511	0.74463	0.136465	0.00313	0.35628894	2.01E-15	0.327521	3.87E-13
0.01599	0.090018	0.05189	-0.0114	0.80587	-0.0290825	0.53071	-0.06602	0.15435
0.33692	-0.01171	0.80068	0.15722	0.00065	0.13916258	0.00258	0.177666	0.00011
0.00605	-0.04855	0.2951	-0.16738	0.00028	-0.1958559	2.02E-05	-0.24064	1.41E-07
0.01493	-0.10668	0.02112	0.148505	0.00129	0.0450555	0.33128	0.017801	0.70121
1.47E-10	-0.17301	0.00017	-0.13041	0.00476	-0.0996596	0.0313	-0.09588	0.03835
5.93E-21	-0.16253	0.00042	-0.1556	0.00074	-0.1066176	0.0212	-0.07947	0.08624
6.88E-05	0.073877	0.11085	-0.10383	0.02484	0.05145794	0.2671	0.019825	0.66916

0.06669	-0.09556	0.039	0.015702	0.73504	0.18528261	5.62E-05	0.039976	0.38873
6.31E-06	0.056915	0.21958	0.015119	0.74452	0.07740776	0.09476	0.113938	0.01375
0.17352	0.205082	7.91E-06	0.180963	8.40E-05	0.1746897	0.00015	0.161031	0.00048
9.02E-19	-0.08512	0.06608	-0.10278	0.02635	-0.0098073	0.8326	-0.0148	0.74979
0.65068	0.022433	0.62871	-0.08847	0.05606	-0.1272042	0.00591	-0.16261	0.00042
0.29348	0.123098	0.00774	0.057357	0.21602	-0.014698	0.7514	-0.07842	0.0905
0.04696	0.105364	0.02278	0.10779	0.01981	0.18903516	3.94E-05	0.168458	0.00026
0.02853	0.120949	0.00889	0.073126	0.11453	0.10633114	0.02155	0.125162	0.00677
0.35454	0.050768	0.27357	0.017161	0.71146	-0.1003941	0.03007	-0.11125	0.01617
0.03238	0.064751	0.16241	0.010149	0.82686	-0.041116	0.37534	-0.07192	0.12066
0.01975	0.172839	0.00017	0.142293	0.00205	0.24437096	8.89E-08	0.164134	0.00037
0.69754	0.050785	0.27341	0.034842	0.45256	0.03290902	0.47804	0.029025	0.53152
0.21271	0.204463	8.44E-06	0.121658	0.00849	0.09726326	0.03562	0.132937	0.004
0.73391	-0.00687	0.88234	-0.0202	0.66322	-0.0312371	0.5007	-0.07076	0.12677
0.27984	0.053106	0.25206	-0.03333	0.47245	-0.1130296	0.01453	-0.09683	0.03646
2.03E-05	0.218491	1.87E-06	0.253123	2.92E-08	0.19855848	1.54E-05	0.044805	0.33398
0.00445	-0.03713	0.42344	-0.07285	0.11589	0.00787574	0.86521	-0.00676	0.88414
0.00867	0.137065	0.003	-0.0109	0.81425	-0.0309532	0.5046	0.0064	0.89029
0.81979	0.28769	2.38E-10	0.167479	0.00028	0.17064126	0.00021	0.219479	1.68E-06
0.04167	0.026641	0.56578	0.120714	0.00902	0.15403295	0.00084	0.066278	0.15271
1.40E-05	-0.04608	0.32044	-0.1012	0.02876	0.01313198	0.77715	0.051331	0.26828
0.65668	0.054382	0.24083	-0.02347	0.6129	-0.010619	0.81897	0.05522	0.23364
0.36563	-0.05973	0.19757	-0.00829	0.85823	0.0733213	0.11356	0.041397	0.37209
0.88497	0.032269	0.48665	0.042396	0.36065	-0.0028993	0.95018	0.004508	0.9226
0.61612	0.03598	0.43792	-0.00977	0.83318	0.02043446	0.65961	-0.00163	0.97194
0.31841	-0.0499	0.28188	-0.03897	0.40078	0.06196305	0.18131	0.015873	0.73226
0.83535	0.028065	0.54518	0.006358	0.891	0.03564411	0.44222	0.086806	0.06087
0.67945	0.122418	0.00809	0.021663	0.64054	-0.0010821	0.98139	0.027824	0.54864
0.51535	0.010259	0.82501	-0.05531	0.23285	0.0428929	0.35504	0.132089	0.00425
0.91069	-0.0674	0.14586	-0.21624	2.40E-06	-0.0953739	0.03938	-0.01168	0.80119
0.07339	-0.0037	0.93647	0.021719	0.63968	0.0809206	0.08066	0.092824	0.04497
0.36288	0.0055	0.90565	-0.10128	0.02863	-0.0568004	0.22051	0.041163	0.37479
0.7969	-0.03314	0.47491	-0.03055	0.51013	0.14561198	0.0016	0.112153	0.01532
0.138	-0.03764	0.41704	-0.13496	0.00348	-0.0479606	0.30102	-0.06029	0.19339
0.32612	-0.07413	0.10963	-0.22545	8.55E-07	-0.0567885	0.22061	-0.03791	0.41371
0.37257	-0.05783	0.21226	-0.04488	0.33321	0.13703206	0.003	0.180969	8.40E-05
0.12919	-0.20472	8.22E-06	-0.10118	0.02879	0.00675511	0.88425	0.042339	0.36129
0.19592	-0.01544	0.73931	-0.04853	0.29535	-0.0108785	0.81463	0.008591	0.85311
0.97791	-0.02895	0.53262	-0.13135	0.00447	-0.0792955	0.08695	-0.07037	0.1289
0.41781	-0.01448	0.75497	-0.05948	0.19944	0.06108861	0.18756	0.075658	0.10248
0.84082	0.006446	0.88952	0.011479	0.80459	-0.0049429	0.91516	-0.01392	0.76419
0.11099	0.002904	0.9501	0.02207	0.63427	0.05054376	0.2757	0.055405	0.23208
0.72345	-0.01411	0.76101	0.026925	0.56165	0.0997896	0.03108	0.070764	0.12675
0.21786	-0.01652	0.72178	-0.04632	0.31791	-0.0125976	0.78599	0.019651	0.67188
0.57561	-0.05592	0.22776	-0.09024	0.05132	0.00397743	0.93169	0.012195	0.79268

0.34746	-0.0362	0.43508	-0.15121	0.00105	-0.0725532	0.11741	-0.05918	0.20173
0.68197	0.09059	0.05041	-0.00652	0.88832	0.0333746	0.47183	0.049551	0.28526
0.38193	0.058952	0.2035	0.074268	0.10897	-0.0457853	0.3235	-0.07209	0.11975
0.52576	0.08233	0.0755	0.081471	0.07861	0.07268768	0.11673	0.066414	0.15187
0.94593	0.060677	0.19056	0.011093	0.81103	0.02195101	0.63611	0.076153	0.10024
0.84693	0.016148	0.7278	-0.06334	0.17176	-0.0061065	0.89529	0.018271	0.69373
0.02585	-0.02338	0.61427	0.0041	0.92959	0.03004196	0.51723	0.034231	0.46052
0.50572	-0.07173	0.12161	-0.06977	0.1322	-0.0062132	0.89347	0.01329	0.77454
0.06819	0.15549	0.00075	-0.02508	0.58874	0.02433764	0.59986	0.087991	0.05742
0.99616	-0.0331	0.47552	-0.09648	0.03714	0.00181213	0.96885	0.067378	0.146
0.00012	-0.04933	0.28738	-0.07532	0.10403	-0.0627181	0.17604	-0.08151	0.07848
0.56805	-0.03817	0.41057	-0.10176	0.02788	-0.0270938	0.55919	-0.00073	0.98738
0.65504	0.05701	0.21881	-0.08143	0.07875	-0.0548598	0.23671	-0.05363	0.24741
0.55193	0.05694	0.21938	0.018467	0.6906	0.00938949	0.83963	0.055451	0.23169
0.00083	0.013144	0.77695	-0.02285	0.62238	0.02452514	0.59705	0.038537	0.40604
0.00201	-0.07371	0.11167	-0.15263	0.00094	-0.0924188	0.04592	-0.07277	0.11629
0.9796	-0.02739	0.55489	-0.09199	0.04695	-0.0397451	0.39148	-0.04325	0.35108
0.65943	0.033577	0.46915	-0.00465	0.9202	0.00239948	0.95876	0.027355	0.55541
0.49306	-0.01382	0.76582	-0.09303	0.04449	-0.0268146	0.56325	-0.0086	0.85296
0.12953	0.079994	0.0842	0.087061	0.06012	0.13916408	0.00258	0.086576	0.06156
0.33918	0.200407	1.28E-05	-0.07778	0.09316	-0.019535	0.67371	-0.05817	0.20954
0.68882	-0.25603	2.00E-08	-0.20202	1.08E-05	-0.1567427	0.00068	-0.14983	0.00116
0.67225	-0.25646	1.89E-08	-0.21525	2.67E-06	-0.2004725	1.27E-05	-0.1732	0.00017
0.00435	0.087566	0.05864	0.248423	5.34E-08	0.13701902	0.00301	0.075815	0.10177
0.00569	0.342555	2.65E-14	0.29239	1.17E-10	0.42108757	1.70E-21	0.375102	4.75E-17
0.0039	0.22868	5.89E-07	0.20638	6.91E-06	0.29745222	5.39E-11	0.267825	4.10E-09
0.01628	-0.27401	1.73E-09	-0.22818	6.24E-07	0.04108971	0.37564	-0.08942	0.05347
0.53664	0.16975	0.00023	0.058697	0.20546	-0.0837415	0.07061	-0.24524	7.98E-08
0.12012	-0.05276	0.2552	0.090628	0.05032	-0.0483612	0.29699	-0.15402	0.00084
0.06589	0.069593	0.13317	0.097877	0.03447	-0.0193898	0.676	0.026799	0.56348
0.20233	-0.07194	0.12053	-0.09043	0.05082	-0.0786098	0.08973	-0.01355	0.77018
0.88997	-0.02324	0.61634	-0.02437	0.5993	-0.0388215	0.40259	-0.04835	0.29712
0.16221	0.188234	4.25E-05	0.138634	0.00268	0.04714847	0.30929	0.01451	0.75448
6.24E-18	0.065823	0.15555	0.043857	0.34431	0.06658872	0.15079	0.051356	0.26805
5.57E-06	0.150192	0.00113	0.132964	0.004	0.11970263	0.00962	0.108434	0.01908
0.0348	0.093634	0.04313	0.056364	0.22408	0.00910562	0.84441	0.029184	0.52927
0.38823	0.054744	0.2377	0.049386	0.28686	-0.0045904	0.92119	-0.00817	0.86015
0.83225	0.157776	0.00062	0.061959	0.18134	0.03185196	0.4923	0.022746	0.62393
0.18381	0.087177	0.05978	0.360267	9.28E-16	0.22160137	1.32E-06	0.026315	0.57055
0.56374	0.174009	0.00016	0.10905	0.01841	-0.0121782	0.79295	-0.02501	0.58977
0.22763	-0.00996	0.83002	-0.13758	0.00289	-0.0586293	0.20598	0.010153	0.82678
5.09E-05	0.178803	0.0001	-0.08385	0.07023	-0.0673812	0.14598	-0.14437	0.00176
0.61369	0.087761	0.05808	0.175642	0.00014	0.00937734	0.83983	-0.15065	0.00109
0.08438	0.007328	0.87451	-0.05812	0.20997	-0.2193554	1.70E-06	-0.24583	7.41E-08
0.0001	0.200033	1.33E-05	0.095691	0.03872	0.1519002	0.00099	0.217745	2.03E-06

0.98582	-0.10433	0.02415	-0.21004	4.70E-06	-0.152966	0.00091	-0.17672	0.00012
0.10207	0.258273	1.49E-08	0.207298	6.28E-06	0.21879312	1.81E-06	0.22363	1.05E-06
2.67E-11	0.101666	0.02803	0.126277	0.00629	0.13761932	0.00288	0.094794	0.0406
6.99E-07	0.155398	0.00075	0.078767	0.08908	-0.0360232	0.43738	-0.16384	0.00038
0.00019	0.240051	1.52E-07	0.252837	3.03E-08	-0.0400016	0.38843	-0.19302	2.68E-05
0.08025	0.002161	0.96286	0.219376	1.70E-06	0.27232389	2.20E-09	0.219554	1.66E-06
0.01662	0.212232	3.71E-06	0.270979	2.65E-09	0.12832459	0.00548	0.061499	0.18461
0.77113	0.29827	4.74E-11	-0.12868	0.00535	-0.0884011	0.05626	-0.11838	0.01045
0.48703	0.104905	0.02338	0.026886	0.56222	0.01177497	0.79966	0.062778	0.17563
0.39896	0.043837	0.34453	-0.01649	0.72223	-0.0474021	0.30669	-0.00786	0.86541
0.03958	0.083931	0.06997	0.032778	0.4798	0.27776025	1.02E-09	0.299469	3.94E-11
0.90483	0.315039	3.21E-12	0.273238	1.93E-09	0.26413878	6.79E-09	0.270135	2.98E-09
0.43008	0.021498	0.64309	-0.00889	0.84801	-0.0650247	0.16064	-0.06617	0.15337
0.01109	-0.17933	9.75E-05	-0.11986	0.00952	0.23662667	2.30E-07	0.114142	0.01358
0.00194	0.018734	0.68636	0.272956	2.01E-09	0.41898342	2.82E-21	0.348197	9.32E-15
0.85997	0.146928	0.00145	0.239388	1.64E-07	-0.0670208	0.14816	-0.22441	9.62E-07
0.10301	-0.0521	0.26116	-0.04746	0.30613	-0.0101594	0.82668	-0.03477	0.45348
0.25694	0.085101	0.06614	0.09005	0.05181	0.09830924	0.03368	0.087243	0.05958
0.11122	0.198611	1.53E-05	0.106561	0.02127	0.04189622	0.36634	0.031918	0.49141
0.53547	-0.21399	3.07E-06	-0.1726	0.00018	-0.088074	0.05719	-0.08396	0.06987
0.16031	0.144513	0.00174	0.36198	6.64E-16	0.01994097	0.66733	-0.24651	6.80E-08
0.25452	0.137596	0.00289	-0.02281	0.623	-0.1341927	0.00367	-0.10144	0.02839
0.02126	0.224488	9.54E-07	0.075753	0.10205	-0.0768176	0.09731	-0.0505	0.2761
0.20842	0.155075	0.00077	0.00163	0.97197	-0.0599713	0.19578	-0.02282	0.62273
0.3515	0.137931	0.00282	0.042209	0.36277	0.00047916	0.99176	0.063806	0.16864
0.20363	0.047964	0.30098	-0.00764	0.86919	-0.1183529	0.01047	-0.1209	0.00892
0.27488	0.267067	4.55E-09	0.399404	2.59E-19	0.06027615	0.19351	-0.03093	0.50487
0.01252	0.270218	2.95E-09	0.259064	1.34E-08	0.27348566	1.86E-09	0.320863	1.21E-12
0.00694	0.252162	3.31E-08	0.254461	2.46E-08	0.33833936	5.70E-14	0.110375	0.01703
5.55E-21	-0.04233	0.36134	0.090661	0.05023	0.23148556	4.24E-07	0.156614	0.00068
0.01275	0.1187	0.01025	-0.0274	0.55477	-0.1296146	0.00503	-0.19518	2.16E-05
0.157	0.126109	0.00636	-0.00543	0.9069	0.26780222	4.12E-09	0.241258	1.31E-07
0.00334	0.283634	4.33E-10	0.452797	5.50E-25	0.51925626	1.33E-33	0.2949	7.98E-11
1.79E-05	0.019477	0.67462	0.06295	0.17445	0.1019124	0.02765	-0.02081	0.65373
0.00055	-0.07385	0.11098	0.151055	0.00106	0.05841603	0.20764	-0.12331	0.00763
0.3409	0.155736	0.00073	0.043758	0.34541	0.00976128	0.83337	0.027779	0.5493
0.89452	-0.01322	0.77565	0.0357	0.4415	0.11408774	0.01363	0.119936	0.00948
0.0145	-0.03041	0.51205	0.053638	0.24733	0.20219854	1.07E-05	0.301171	3.01E-11
0.76363	0.252385	3.22E-08	0.10025	0.0303	0.12661896	0.00614	0.232593	3.72E-07
0.22794	0.058514	0.20688	-0.14485	0.0017	-0.1664276	0.0003	-0.26144	9.77E-09
0.00029	-0.12257	0.00801	-0.00827	0.85853	-0.0101827	0.82629	-0.10388	0.02477
7.08E-07	-0.09986	0.03096	-0.00916	0.84352	0.15915953	0.00056	0.215051	2.73E-06
0.7349	0.26036	1.13E-08	0.36346	4.96E-16	0.34118587	3.40E-14	0.223796	1.03E-06
0.02184	-0.1099	0.01751	0.095544	0.03903	0.24147776	1.27E-07	0.108173	0.01937
0.4847	0.124886	0.00689	-0.16219	0.00043	0.00785755	0.86552	-0.04147	0.37128

0.00024	-0.10318	0.02576	0.025371	0.58446	-0.0812344	0.07948	-0.1741	0.00016
0.15542	0.127693	0.00572	0.111582	0.01585	0.05823002	0.2091	0.061004	0.18817
0.18441	0.211018	4.23E-06	0.263549	7.35E-09	0.36623958	2.86E-16	0.251652	3.54E-08
0.95347	-0.08345	0.0716	-0.1029	0.02618	0.06374262	0.16907	0.06362	0.1699
0.01622	0.132508	0.00412	0.051237	0.26916	0.0268914	0.56213	0.045036	0.33149
0.18191	0.06092	0.18879	-0.00221	0.96197	0.03185444	0.49227	0.058553	0.20658
0.30508	0.098872	0.03267	-0.00249	0.95728	0.00173589	0.97016	-0.02301	0.61986
0.05879	0.144499	0.00174	0.077579	0.09403	0.01707184	0.7129	0.056741	0.221
0.0043	0.072924	0.11554	-0.01311	0.77747	0.0224283	0.62878	0.021084	0.64949
0.8006	-0.03838	0.40802	0.032423	0.48456	0.11505994	0.01284	0.045379	0.32781
0.80622	0.191247	3.18E-05	-0.12075	0.009	-0.1893987	3.80E-05	-0.29863	4.49E-11
0.00164	0.300824	3.18E-11	0.372542	8.02E-17	0.2818172	5.65E-10	0.102909	0.02616
1.37E-22	-0.01138	0.80625	0.17901	0.0001	0.26064666	1.09E-08	0.306505	1.29E-11
0.00186	-0.04589	0.32238	0.154766	0.00079	0.33794385	6.12E-14	0.24743	6.06E-08
0.13744	0.068036	0.14209	0.074852	0.1062	0.13402144	0.00371	0.154078	0.00084
0.29077	0.106721	0.02107	-0.00672	0.88486	0.1007848	0.02943	0.224121	9.95E-07
0.6511	0.086401	0.06209	-0.04149	0.37103	0.04234549	0.36122	0.142354	0.00204
0.48061	0.105228	0.02295	0.019712	0.67093	0.0014399	0.97524	0.030109	0.51629
4.55E-20	0.153786	0.00086	0.130602	0.0047	0.20841248	5.58E-06	0.278727	8.84E-10
0.97343	0.086926	0.06052	0.081186	0.07966	0.14382783	0.00183	0.105588	0.02249
0.28048	0.029928	0.51882	0.006613	0.88666	0.17754748	0.00011	0.11204	0.01542
0.52426	0.090186	0.05145	0.067122	0.14754	0.20827113	5.66E-06	0.23894	1.74E-07
0.08017	0.090221	0.05136	0.122962	0.00781	0.23145485	4.25E-07	0.191526	3.09E-05
0.35634	-0.02644	0.56878	-0.01221	0.79242	0.17067133	0.00021	0.186719	4.91E-05
0.0381	-0.02495	0.59069	0.0354	0.44535	0.28257659	5.06E-10	0.223662	1.05E-06
0.54861	-0.14566	0.0016	-0.01199	0.79601	0.20915419	5.16E-06	0.210192	4.62E-06
0.30893	0.031232	0.50077	0.088851	0.05502	0.3161739	2.66E-12	0.332546	1.61E-13
0.60491	0.011032	0.81206	0.035149	0.44858	0.25567578	2.10E-08	0.272088	2.27E-09
0.05939	-0.05811	0.21006	-0.10129	0.02863	0.13670394	0.00307	0.100974	0.02912
0.02522	-0.02269	0.62474	-0.10045	0.02998	0.21132647	4.09E-06	0.294734	8.19E-11
0.621	-0.07416	0.10948	-0.10662	0.0212	0.04917216	0.28896	0.130929	0.0046
0.01034	0.122236	0.00818	0.113356	0.01425	0.16152864	0.00046	0.207297	6.28E-06
0.81237	0.109593	0.01783	0.086078	0.06308	0.18923922	3.86E-05	0.272304	2.20E-09
0.04648	-0.00054	0.99075	-0.02514	0.5879	0.05773497	0.213	0.115381	0.01259
0.84351	0.151121	0.00105	0.149568	0.00119	0.28032822	7.01E-10	0.239885	1.55E-07
0.45725	0.143726	0.00185	0.060472	0.19207	0.1505611	0.0011	0.2087	5.41E-06
0.00294	0.054856	0.23675	0.08442	0.06835	0.25705133	1.75E-08	0.34006	4.18E-14
0.13273	0.105607	0.02246	0.140784	0.00229	0.34175615	3.07E-14	0.359978	9.82E-16
0.11891	-0.07951	0.0861	0.013389	0.77291	0.21838979	1.89E-06	0.267928	4.05E-09
0.21333	-0.14159	0.00216	0.055332	0.2327	0.32587412	5.15E-13	0.325745	5.26E-13
0.00572	0.035131	0.44882	-0.09336	0.04374	0.11153154	0.0159	-0.09199	0.04694
0.02143	0.128363	0.00547	0.132425	0.00415	0.09876574	0.03286	0.087077	0.06007
0.72398	-0.00957	0.83663	0.004044	0.93055	0.01948993	0.67442	0.066875	0.14904
1.42E-06	-0.07691	0.09691	0.025011	0.5898	0.06569874	0.15634	0.078642	0.08959
0.0955	-0.10022	0.03035	9.88E-05	0.9983	0.09222564	0.04638	0.136906	0.00303

0.01224	0.150973	0.00107	0.07089	0.12608	0.03214458	0.48833	0.061716	0.18306
0.65395	0.037544	0.41827	-0.03655	0.43076	-0.129688	0.005	-0.21059	4.43E-06
0.04589	-0.12	0.00944	-0.08725	0.05955	0.11068644	0.01672	0.199841	1.36E-05
0.03529	-0.01628	0.72565	0.074452	0.10809	0.23885258	1.75E-07	0.224442	9.59E-07
0.46102	0.150703	0.00109	0.137492	0.00291	0.1242566	0.00718	0.03688	0.42655
0.00162	0.138322	0.00274	0.252302	3.25E-08	0.19062466	3.38E-05	0.219627	1.65E-06
0.0023	0.277927	9.92E-10	0.072116	0.11964	-0.1434017	0.00189	-0.09936	0.03182
0.00116	-0.0166	0.72043	-0.11745	0.01108	-0.1077513	0.01986	-0.03921	0.39789
0.4338	0.279634	7.76E-10	0.102514	0.02674	0.11097513	0.01643	0.242217	1.16E-07
0.00154	-0.256	2.01E-08	-0.21561	2.57E-06	0.00823894	0.85906	-0.03055	0.51016
2.60E-08	-0.10706	0.02066	-0.04607	0.32052	-0.0613409	0.18574	-0.07168	0.12187
0.7458	0.000782	0.98656	-0.09442	0.04139	-0.0547833	0.23737	-0.04458	0.33643
0.00159	0.143964	0.00181	0.127059	0.00597	0.04055656	0.38188	-0.02352	0.61217
0.0028	0.312184	5.15E-12	0.165993	0.00032	0.12237683	0.00811	0.142237	0.00206
0.03516	0.194282	2.36E-05	0.084422	0.06834	-0.0339198	0.46462	-0.0824	0.07525
0.43152	0.03044	0.51169	0.015263	0.74218	-0.0571337	0.21781	-0.10031	0.0302
4.76E-11	-0.16715	0.00029	-0.12594	0.00643	0.0510745	0.27068	0.040799	0.37903
0.8088	0.057227	0.21706	0.060481	0.192	-0.0737712	0.11136	-0.12014	0.00936
3.07E-09	0.116237	0.01195	0.200461	1.27E-05	0.15104209	0.00106	0.125036	0.00682
0.57834	0.037451	0.41942	-0.0167	0.71894	-0.0008036	0.98618	0.024391	0.59906
0.71571	0.112259	0.01522	0.029386	0.52642	-0.0377972	0.41513	-0.11483	0.01302
0.45341	0.099823	0.03102	0.049421	0.28652	0.03315863	0.47471	0.014213	0.75934
0.15225	0.026881	0.56228	-0.03572	0.4412	-0.0363679	0.433	-0.06721	0.14699
8.84E-07	0.015135	0.74427	-0.05986	0.19663	-0.0547702	0.23748	0.017073	0.71287
0.46679	-0.03945	0.39503	-0.02481	0.59274	0.02771081	0.55028	0.075217	0.1045
0.47329	-0.29316	1.04E-10	-0.17421	0.00015	-0.1165807	0.0117	-0.08847	0.05608
0.00015	0.198669	1.53E-05	0.151858	0.00099	0.09265735	0.04536	0.14139	0.00219
0.00502	0.174816	0.00015	0.413297	1.08E-20	0.41585708	5.92E-21	0.229077	5.62E-07
0.13318	-0.02973	0.52154	-0.09894	0.03255	-0.146769	0.00147	-0.14615	0.00154
0.81248	-0.07498	0.10559	0.040046	0.3879	0.28308323	4.70E-10	0.338005	6.06E-14
0.16678	0.100677	0.0296	0.293213	1.03E-10	0.31080048	6.45E-12	0.205794	7.35E-06
0.26441	0.121463	0.0086	0.084574	0.06784	0.00698186	0.88039	-0.01572	0.73482
0.30126	-0.05259	0.25673	0.038929	0.40128	0.09084984	0.04975	0.066425	0.1518
0.00922	-0.03414	0.46176	0.049659	0.28421	0.0345756	0.45603	0.00149	0.97438
0.20361	-0.08503	0.06637	0.08012	0.08371	0.05284892	0.25437	-0.0844	0.06843
0.08626	-0.01396	0.76348	0.008948	0.84708	0.03342987	0.4711	0.019007	0.68204
0.07672	-0.06447	0.16424	-0.07144	0.12315	-0.1442045	0.00178	-0.2006	1.25E-05
0.10383	-0.07578	0.10195	-0.21394	3.09E-06	-0.1144952	0.01329	-0.09371	0.04296
0.53769	-0.11045	0.01696	-0.05622	0.22529	0.07149094	0.12289	0.037588	0.41771
0.27642	0.010996	0.81266	-0.10721	0.02049	-0.0472888	0.30785	-0.02981	0.5205
6.47E-18	0.160733	0.00049	0.066457	0.15161	0.23856245	1.82E-07	0.290144	1.65E-10
0.48967	-0.03816	0.41064	-0.08091	0.0807	-0.0085491	0.85381	0.038813	0.40269
0.22607	0.089307	0.05378	0.261298	9.96E-09	0.18439274	6.11E-05	0.065204	0.15949
0.42692	-0.09319	0.04413	-0.04021	0.38602	0.06428853	0.16544	0.176747	0.00012
0.4172	-0.14655	0.0015	-0.33122	2.03E-13	-0.2505031	4.10E-08	-0.0991	0.03227



0.37176	0.079954	0.08435	0.020335	0.66117	-0.0172148	0.7106	-0.00657	0.88743
0.77637	0.059467	0.19956	-0.00091	0.98429	0.16773219	0.00027	0.115821	0.01226
4.56E-05	-0.27665	1.19E-09	-0.0907	0.05014	-0.0754362	0.10349	-0.18519	5.67E-05
7.04E-11	-0.13722	0.00296	-0.11592	0.01218	-0.0764199	0.09906	-0.21003	4.70E-06
4.63E-08	-0.01899	0.68233	0.042451	0.36002	0.38113892	1.36E-17	0.35878	1.24E-15
0.11713	0.11151	0.01592	0.066205	0.15317	-0.0577262	0.21307	-0.06152	0.18445
0.40818	0.170989	0.00021	0.070943	0.12579	-0.0314837	0.49732	-0.03804	0.41216
0.60749	0.092211	0.04641	0.004264	0.92677	0.02449546	0.59749	0.023324	0.61514
0.01403	0.244936	8.29E-08	0.182493	7.29E-05	-0.0468882	0.31197	0.044977	0.33213
0.26571	-0.30591	1.42E-11	-0.27098	2.65E-09	-0.1799831	9.19E-05	-0.22625	7.79E-07
0.30126	0.125782	0.00649	0.196543	1.89E-05	0.12096799	0.00888	0.023204	0.61695
0.00399	-0.11039	0.01701	0.004445	0.92367	0.21268198	3.54E-06	0.081809	0.07738
0.23095	-0.06317	0.17291	-0.03364	0.46826	-0.2971946	5.61E-11	-0.30152	2.85E-11
4.31E-07	0.008825	0.84915	0.184266	6.18E-05	0.14686686	0.00146	0.182547	7.26E-05
0.00866	-0.05183	0.26367	-0.182	7.63E-05	-0.1587901	0.00057	-0.20983	4.80E-06
0.42376	-0.03185	0.49239	-0.05135	0.2681	0.04958391	0.28493	0.082207	0.07594
0.65678	0.135907	0.00325	-0.18454	6.03E-05	0.000997	0.98286	0.045198	0.32975
0.00879	-0.01163	0.802	-0.03444	0.45773	-0.0264085	0.56918	0.016006	0.7301
0.32417	-0.18593	5.29E-05	-0.14033	0.00237	0.01446581	0.7552	-0.1024	0.02691
0.46687	-0.31225	5.09E-12	-0.22422	9.83E-07	-0.0735969	0.11221	-0.04578	0.32355
7.35E-07	-0.07847	0.09028	0.019781	0.66983	0.25187129	3.44E-08	0.235587	2.60E-07
9.34E-08	0.21406	3.05E-06	0.136111	0.00321	-0.012754	0.7834	-0.07018	0.12993
0.00492	-0.10612	0.02181	0.065749	0.15602	0.07585221	0.1016	0.057633	0.21381
0.05906	0.153488	0.00088	0.186516	5.00E-05	-0.0677974	0.1435	-0.02514	0.58787
0.04252	0.251592	3.56E-08	0.205787	7.35E-06	0.27212983	2.26E-09	0.173139	0.00017
3.98E-07	0.022769	0.62358	0.089247	0.05394	0.03911117	0.39908	0.108291	0.01924
0.61848	-0.25991	1.20E-08	-0.22116	1.39E-06	0.20747233	6.16E-06	0.137698	0.00286
0.26254	0.218775	1.81E-06	0.199835	1.36E-05	0.09558565	0.03894	0.089976	0.052
0.30533	0.218356	1.90E-06	0.026528	0.56742	-0.0133001	0.77437	-0.0173	0.70929
0.54711	0.214989	2.75E-06	0.105748	0.02228	-0.0744566	0.10807	-0.09902	0.0324
0.0075	0.071379	0.12348	0.023012	0.61987	0.05366785	0.24707	0.030617	0.50925
0.01551	-0.13176	0.00434	-0.23712	2.17E-07	-0.022829	0.62266	0.056606	0.2221
0.80888	0.040923	0.37758	-0.02681	0.56327	0.05630633	0.22456	0.068482	0.1395
2.09E-05	-0.27352	1.86E-09	-0.13151	0.00442	0.02388458	0.60666	-0.01531	0.74137
0.47202	-0.03073	0.50766	-0.13424	0.00366	0.15436791	0.00082	0.236564	2.32E-07
0.61137	0.119171	0.00995	0.111908	0.01554	0.15454038	0.00081	0.223911	1.02E-06
0.00814	-0.0351	0.44926	0.002166	0.96276	-0.0905315	0.05056	-0.00405	0.93042
0.02364	0.13397	0.00373	0.073186	0.11423	0.24414279	9.15E-08	0.242884	1.07E-07
0.008	-0.27478	1.55E-09	-0.23808	1.93E-07	-0.0758055	0.10181	-0.07767	0.09363
0.46629	0.1554	0.00075	0.30473	1.72E-11	0.02903292	0.53141	-0.10875	0.01873
1.05E-11	-0.18208	7.58E-05	-0.06543	0.15803	-0.1841636	6.24E-05	-0.25336	2.83E-08
0.97339	-0.20194	1.09E-05	-0.13003	0.00489	-0.054727	0.23785	-0.04263	0.35798
1.16E-08	-0.31119	6.06E-12	-0.40875	3.11E-20	-0.2299829	5.06E-07	-0.16541	0.00033
3.65E-24	-0.0646	0.16341	0.091811	0.04738	0.2273956	6.83E-07	0.302156	2.58E-11
1.68E-05	0.092905	0.04479	-0.00896	0.84683	0.03948456	0.3946	0.022865	0.62212

0.03016	-0.24587	7.37E-08	-0.37316	7.08E-17	-0.110455	0.01695	-0.21167	3.94E-06
0.03807	0.230934	4.52E-07	0.131902	0.0043	-0.0767892	0.09743	-0.0502	0.27898
0.0446	0.075429	0.10353	-0.1739	0.00016	-0.2907787	1.50E-10	-0.32479	6.21E-13
0.01013	0.03384	0.46567	0.031782	0.49325	0.06252544	0.17737	0.084465	0.0682
0.03608	-0.0262	0.57218	0.022389	0.62938	0.01300998	0.77917	-0.00851	0.85448
7.62E-21	-0.18144	8.04E-05	-0.2212	1.38E-06	-0.0460698	0.3205	-0.0005	0.99148
1.86E-05	0.150883	0.00107	0.120822	0.00896	0.04151888	0.37067	0.070447	0.12846
0.01833	-0.01703	0.71363	0.017533	0.70551	0.06498261	0.16091	-0.0486	0.29457
0.39602	0.145776	0.00158	0.026879	0.56231	0.14473466	0.00171	0.206553	6.79E-06
0.16883	-0.04715	0.30924	0.024378	0.59924	0.21124614	4.13E-06	0.246114	7.15E-08
8.64E-05	-0.00558	0.90436	-0.04024	0.38565	0.03462422	0.45539	-0.03053	0.51048
0.88918	0.112831	0.01471	0.009315	0.84089	0.02210319	0.63377	0.072581	0.11726
0.45139	0.089789	0.05249	0.152533	0.00094	0.11562675	0.0124	-0.03606	0.43696
0.05283	-0.10779	0.01981	-0.08943	0.05345	0.0591215	0.2022	0.125049	0.00682
0.5666	0.143554	0.00187	0.226334	7.72E-07	0.20218442	1.07E-05	0.157362	0.00064
0.11783	0.200306	1.29E-05	0.055508	0.23121	-0.0894202	0.05347	-0.12398	0.00731
0.00014	0.035762	0.44071	0.100205	0.03038	0.00178349	0.96934	-0.06243	0.17806
0.11381	-0.07816	0.09159	-0.0582	0.20931	0.18059863	8.69E-05	0.156613	0.00068
0.05966	0.158767	0.00057	0.011789	0.79944	0.0739065	0.1107	0.075765	0.10199
0.4598	0.207088	6.42E-06	-0.02463	0.59554	0.12098485	0.00887	0.125083	0.0068
0.3214	0.012123	0.79387	0.146713	0.00148	0.42298363	1.08E-21	0.371542	9.83E-17
0.52901	0.299938	3.66E-11	0.152626	0.00094	0.16408218	0.00037	0.095937	0.03822
0.10398	0.233996	3.15E-07	0.047604	0.30463	0.02057556	0.65741	0.008052	0.86223
0.13994	0.104237	0.02428	0.091496	0.04814	0.34123258	3.37E-14	0.228677	5.89E-07
0.67197	0.02528	0.58581	0.239879	1.55E-07	0.31653198	2.51E-12	0.127677	0.00573
0.52437	-0.21459	2.88E-06	0.056437	0.22348	0.39407805	8.44E-19	0.243397	1.00E-07
0.13559	0.109338	0.0181	-0.06289	0.17486	-0.0324571	0.48411	-0.09282	0.04499
0.00132	-0.06109	0.18757	-0.29601	6.73E-11	-0.1930646	2.66E-05	-0.07379	0.11125
0.40993	0.12289	0.00785	0.119206	0.00993	0.06890208	0.13708	0.150963	0.00107
0.14012	-0.14418	0.00179	-0.22206	1.26E-06	-0.0491998	0.28868	-0.05039	0.27721
0.87663	-0.04325	0.35103	0.34286	2.50E-14	0.3537957	3.24E-15	0.217192	2.16E-06
4.52E-05	-0.20134	1.16E-05	-0.3092	8.37E-12	-0.2585579	1.43E-08	-0.25635	1.92E-08
0.69849	-0.17747	0.00012	-0.07289	0.11573	0.15073288	0.00109	0.093636	0.04312
0.00123	0.234192	3.08E-07	0.184223	6.21E-05	-0.0898756	0.05226	-0.15045	0.00111
0.02885	-0.0406	0.38138	0.004275	0.92659	-0.0036476	0.93734	-0.08355	0.07124
0.00027	-0.15455	0.00081	-0.05061	0.27503	0.2950994	7.74E-11	0.272677	2.09E-09
0.54225	0.108298	0.01923	0.053873	0.24526	0.13270863	0.00407	0.163537	0.00039
6.02E-10	-0.18944	3.79E-05	-0.10306	0.02594	0.20178424	1.11E-05	0.16353	0.00039
9.04E-11	0.156256	0.0007	0.024692	0.59456	0.00978975	0.83289	0.155675	0.00074
0.06148	-0.06632	0.15244	-0.02935	0.52689	0.03775252	0.41568	-0.00535	0.90825
0.01027	0.111496	0.01593	-0.20191	1.10E-05	-0.0356395	0.44228	-0.00805	0.8623
0.00591	0.080353	0.08281	0.040297	0.38493	-0.0785272	0.09006	-0.13525	0.00341
0.05175	0.049083	0.28983	0.095628	0.03885	0.13170383	0.00436	0.148511	0.00129
0.27718	0.24266	1.10E-07	0.105341	0.02281	-0.0447577	0.33449	-0.0551	0.23465
2.35E-06	0.060183	0.1942	0.006025	0.89668	-0.2019674	1.09E-05	-0.24235	1.14E-07

1.35E-05	0.109966	0.01744	0.187514	4.55E-05	0.23468313	2.90E-07	0.265766	5.44E-09
2.51E-17	-0.02145	0.6439	0.045522	0.32629	0.01929966	0.67742	-0.04656	0.31534
0.00678	0.187363	4.62E-05	0.130575	0.00471	0.03240681	0.48479	0.035434	0.44491
0.53147	0.254206	2.54E-08	0.157458	0.00064	0.20891406	5.29E-06	0.226306	7.75E-07
0.30099	-0.11815	0.01061	0.163345	0.00039	0.15660296	0.00068	0.098404	0.0335
0.00434	0.227338	6.88E-07	0.103186	0.02576	-0.0610286	0.188	-0.05249	0.25764
0.00042	-0.12021	0.00932	-0.1025	0.02676	-0.1128476	0.01469	-0.1926	2.79E-05
0.14619	0.086643	0.06136	0.046889	0.31196	0.10052084	0.02986	0.172818	0.00017
0.35376	0.057727	0.21307	-0.0846	0.06777	0.08954191	0.05315	-0.05553	0.23099
0.0001	-0.04291	0.35489	-0.20384	9.00E-06	-0.0255647	0.58159	-0.02735	0.55552
0.53999	-0.1343	0.00364	-0.08199	0.07672	-0.0259368	0.5761	-0.02127	0.64658
0.99096	0.027349	0.55549	0.116681	0.01162	0.02996066	0.51837	0.039971	0.38879
0.69914	0.070063	0.13057	-0.18502	5.76E-05	-0.1612839	0.00047	-0.11046	0.01694
0.93795	-0.10021	0.03037	-0.05647	0.22322	-0.0699645	0.13111	-0.06977	0.1322
0.10061	0.058507	0.20693	0.005042	0.91347	0.07819321	0.09144	0.06229	0.17902
0.46741	0.023008	0.61993	-0.00718	0.87696	0.01596011	0.73085	0.07736	0.09496
5.53E-22	-0.01398	0.76314	-0.00373	0.93599	-0.0412734	0.37351	-0.11178	0.01567
0.01689	0.221446	1.35E-06	0.233664	3.28E-07	0.01558525	0.73693	-0.09799	0.03426
0.43619	0.050091	0.28003	0.260222	1.15E-08	0.17850437	0.00011	-0.07098	0.1256
0.84446	0.028545	0.53834	0.112151	0.01532	-0.1073484	0.02032	-0.14726	0.00142
9.37E-15	-0.06554	0.15736	-0.09744	0.03528	-0.0449553	0.33236	0.005495	0.90573
0.65815	0.084474	0.06817	0.066282	0.15269	0.04457516	0.33646	0.085114	0.0661
0.94095	0.058019	0.21076	0.036405	0.43254	0.0038496	0.93388	0.024907	0.59135
4.67E-07	0.180927	8.43E-05	0.088757	0.05528	0.07967298	0.08546	0.092346	0.04609
0.27151	0.201751	1.12E-05	0.131009	0.00457	0.06116105	0.18704	0.059606	0.19852
0.68754	-0.07885	0.08873	-0.0753	0.10412	-0.0316318	0.4953	0.018893	0.68385
0.60355	0.030129	0.51602	0.029728	0.52163	-0.0316921	0.49447	-0.01884	0.68474
0.8922	0.104644	0.02373	0.111419	0.016	0.23278891	3.63E-07	0.153388	0.00088
0.02467	0.028272	0.54223	-0.23186	4.06E-07	-0.2195764	1.66E-06	-0.18112	8.28E-05
4.15E-06	-0.16321	0.0004	-0.27358	1.84E-09	-0.1359557	0.00324	-0.07493	0.10585
0.55544	0.043191	0.3517	0.189587	3.73E-05	0.08480886	0.06708	0.053585	0.2478
0.38787	0.273945	1.75E-09	0.148347	0.0013	-0.0261964	0.57228	-0.04994	0.28148
0.71799	-0.02672	0.56462	-0.06846	0.13964	-0.0038696	0.93353	0.036143	0.43585
0.30097	0.072006	0.12021	-0.04037	0.3841	0.03591982	0.43869	0.125224	0.00674
1.18E-09	-0.01701	0.71382	-0.00993	0.83056	0.20416226	8.70E-06	0.253246	2.88E-08
0.428	-0.03992	0.38941	-0.05483	0.23693	-0.0586277	0.206	-0.0268	0.56341
0.35503	0.003133	0.94617	-0.01433	0.75735	0.08064848	0.08168	0.120594	0.00909
0.02748	-0.00846	0.85539	0.113729	0.01393	0.25272175	3.08E-08	0.179558	9.55E-05
0.02919	0.181823	7.76E-05	0.123539	0.00752	-0.0107569	0.81666	-0.00042	0.99276
0.11685	-0.10435	0.02413	-0.28236	5.22E-10	-0.2695221	3.25E-09	-0.25314	2.92E-08
0.04801	0.076195	0.10006	0.073856	0.11095	-0.1372496	0.00296	-0.07759	0.09397
0.20205	0.031535	0.49661	0.060758	0.18996	-0.0935286	0.04336	-0.10069	0.02958
0.47552	-0.01748	0.70636	0.055429	0.23187	0.04666521	0.31428	0.013173	0.77647
0.02138	0.064346	0.16507	-0.05867	0.20568	0.05215519	0.26066	0.142132	0.00208
0.32776	-0.04288	0.35514	-0.05844	0.20744	-0.1711164	0.0002	-0.17667	0.00012

0.00016	0.102722	0.02643	0.062297	0.17897	-0.1757661	0.00013	-0.21656	2.32E-06
0.02169	0.203712	9.12E-06	0.124844	0.00691	0.32499978	5.98E-13	0.25618	1.96E-08
3.60E-08	-0.00562	0.90357	-0.00262	0.955	0.23189557	4.04E-07	0.11342	0.01419
0.67401	0.088904	0.05487	0.042517	0.35927	0.12919942	0.00517	0.162413	0.00043
0.25978	0.095907	0.03829	0.032875	0.4785	-0.1651132	0.00034	-0.19987	1.35E-05
0.02293	-0.23091	4.54E-07	-0.09505	0.04005	0.03887838	0.4019	0.046486	0.31614
0.55618	-0.02719	0.55784	-0.08763	0.05846	0.03214219	0.48836	0.092701	0.04526
7.35E-05	0.080352	0.08282	0.051434	0.26732	-0.0608424	0.18935	-0.08465	0.0676
0.00058	-0.15719	0.00065	-0.06349	0.17076	-0.011624	0.80218	-0.05577	0.22901
0.90756	0.146884	0.00146	-0.01918	0.67937	-0.0634661	0.17093	0.008717	0.85098
0.89007	0.115292	0.01266	0.214563	2.88E-06	0.45131335	8.17E-25	0.303321	2.15E-11
0.11433	0.226475	7.60E-07	0.249829	4.47E-08	0.18153121	7.97E-05	-0.09667	0.03677
0.46221	-0.10967	0.01775	-0.21858	1.85E-06	-0.0826508	0.07436	-0.06853	0.13923
0.6578	-0.11236	0.01513	0.023733	0.60894	0.00363753	0.93751	-0.02161	0.64136
0.1013	-0.01492	0.74785	0.047408	0.30663	0.054115	0.24315	0.050258	0.27843
0.03542	0.015965	0.73077	0.110389	0.01701	0.36386991	4.57E-16	0.176317	0.00013
0.02592	0.031557	0.49631	0.060864	0.18919	0.08062824	0.08176	0.096223	0.03765
1.77E-08	-0.31086	6.39E-12	-0.11066	0.01674	0.05630664	0.22456	0.061176	0.18693
0.22376	0.210477	4.48E-06	0.007713	0.86797	0.02032769	0.66128	-0.04437	0.33866
0.00098	-0.04964	0.28434	-0.091	0.04938	0.17129926	0.0002	0.104816	0.0235
0.16466	-0.18409	6.28E-05	-0.08037	0.08276	0.06223362	0.17941	0.151637	0.00101
0.00181	-0.05959	0.19865	0.111912	0.01554	0.17767135	0.00011	-0.05949	0.19936
0.89208	0.166422	0.0003	0.151284	0.00104	0.19176328	3.02E-05	0.218288	1.92E-06
0.73751	0.000726	0.98751	-0.07543	0.10352	-0.1614435	0.00046	-0.17308	0.00017
0.00048	0.269808	3.12E-09	0.056081	0.22642	-0.0634026	0.17136	0.002022	0.96524
0.73085	0.132666	0.00408	0.049288	0.28782	0.02190748	0.63678	0.026024	0.57481
0.30747	0.11545	0.01254	-0.04691	0.31172	-0.1178433	0.01081	-0.10446	0.02397
0.33792	0.024117	0.60316	-0.07763	0.09382	-0.1029169	0.02615	-0.08858	0.05577
0.00122	0.198026	1.63E-05	0.073246	0.11394	-0.1144822	0.01331	-0.14775	0.00137
0.38385	-0.10118	0.02879	-0.07428	0.1089	-0.0210635	0.64982	0.002228	0.9617
0.86737	0.157962	0.00061	0.042281	0.36195	-0.1130689	0.0145	-0.13616	0.0032
6.09E-07	-0.01497	0.74703	-0.00365	0.93729	-0.0427187	0.357	-0.06159	0.18396
0.11537	0.27512	1.48E-09	0.076673	0.09794	0.23406635	3.12E-07	0.166748	0.0003
0.28186	-0.13763	0.00288	-0.0529	0.25392	0.08345389	0.07158	0.085318	0.06545
0.09811	-0.11724	0.01123	-0.19802	1.63E-05	-0.0420483	0.3646	0.035376	0.44566
0.20991	-0.01611	0.72836	-0.09423	0.04182	-0.0971203	0.03589	-0.05626	0.22497
0.65514	-0.17945	9.65E-05	-0.26747	4.31E-09	-0.1521342	0.00097	-0.0637	0.16936
0.65409	0.112971	0.01458	0.153002	0.00091	0.02140535	0.64452	0.061904	0.18173
0.84253	-0.04433	0.33912	-0.04264	0.35787	0.10268564	0.02649	0.061977	0.18121
0.01912	-0.15578	0.00073	-0.06974	0.13238	0.10467511	0.02368	0.071254	0.12414
0.10473	0.14593	0.00157	0.00052	0.99106	0.19201856	2.95E-05	0.128855	0.00529
0.15995	-0.0204	0.66022	0.16866	0.00025	0.0826504	0.07437	-0.11829	0.01052
0.72864	0.073009	0.11512	-0.00407	0.93013	-0.0624352	0.178	-0.08274	0.07404
4.11E-16	0.063177	0.17289	0.057055	0.21845	0.08165269	0.07794	0.086056	0.06315
0.32441	0.095032	0.04009	0.043828	0.34464	0.13994882	0.00244	0.277299	1.08E-09

0.13005	0.319402	1.55E-12	0.297395	5.43E-11	0.30746969	1.11E-11	0.320053	1.39E-12
0.84977	-0.00438	0.92473	-0.05427	0.24179	-0.0078771	0.86519	0.007341	0.87428
0.53357	-0.09477	0.04066	-0.13716	0.00298	-0.2504418	4.13E-08	-0.31695	2.34E-12
0.72241	-0.11335	0.01425	-0.17447	0.00015	-0.0838082	0.07038	-0.04743	0.3064
0.03266	-0.14118	0.00223	0.201578	1.14E-05	0.3698128	1.40E-16	0.182469	7.31E-05
0.21789	0.168544	0.00025	0.088598	0.05571	-0.0559869	0.2272	-0.11685	0.01151
0.00013	0.157526	0.00063	0.147515	0.00139	0.09448817	0.04125	0.011588	0.80278
0.10145	0.129564	0.00504	0.010577	0.81967	0.0233569	0.61464	0.072405	0.11816
0.35966	0.106092	0.02185	-0.03032	0.51335	0.03843003	0.40735	0.073724	0.11159
0.85212	0.144653	0.00172	0.09939	0.03176	0.0908313	0.0498	0.056484	0.2231
0.36908	0.026153	0.57292	0.006162	0.89434	0.03973375	0.39162	0.035804	0.44017
0.00169	0.065572	0.15714	0.017085	0.71268	0.13447271	0.0036	0.201482	1.15E-05
0.31068	-0.00383	0.93422	0.00083	0.98573	0.01609323	0.72869	-0.01464	0.75229
0.43008	0.000623	0.98928	-0.19374	2.49E-05	-0.0627278	0.17597	-0.08786	0.05781
0.01316	0.123201	0.00769	0.09666	0.03679	-0.0088229	0.84919	0.002995	0.94853
0.91813	0.055089	0.23476	-0.01503	0.746	0.07330072	0.11367	0.030003	0.51778
0.51688	0.150073	0.00114	0.010003	0.8293	-0.0269842	0.56078	-0.15855	0.00058
0.6112	-0.03095	0.50466	-0.05662	0.22195	-0.0122274	0.79214	-0.03323	0.47382
0.45116	-0.02733	0.55584	-0.05675	0.22089	-0.0319296	0.49124	-0.03288	0.47841
0.08671	0.042314	0.36158	0.018409	0.69153	0.08425431	0.0689	0.059216	0.20148
0.20613	0.044617	0.33601	0.017788	0.70143	-0.0136306	0.76892	-0.0257	0.57964
0.00738	-0.07519	0.10465	-0.04906	0.29008	0.05784585	0.21212	0.074244	0.10908
0.60238	0.211872	3.86E-06	0.240474	1.44E-07	0.17638697	0.00013	0.057162	0.21758
0.05071	0.062557	0.17715	0.043929	0.34352	0.04489766	0.33298	0.031483	0.49732
0.00012	0.257484	1.65E-08	0.174064	0.00016	-0.0298102	0.52047	-0.04187	0.36666
0.00165	0.094324	0.04161	0.096467	0.03717	0.10419086	0.02434	0.117703	0.01091
0.77828	0.182269	7.45E-05	0.100751	0.02948	-0.0129281	0.78052	-0.05152	0.26652
0.00025	0.054634	0.23865	0.022307	0.63065	-0.0093319	0.8406	-0.06631	0.15254
0.00083	-0.1641	0.00037	-0.0632	0.17275	-0.0090774	0.84489	-0.05689	0.21975
0.00899	0.091362	0.04848	0.050777	0.27348	-0.1920667	2.94E-05	-0.31594	2.77E-12
0.85584	0.075095	0.10507	-0.13515	0.00343	-0.1448905	0.00169	-0.11994	0.00948
0.44705	0.185533	5.49E-05	-0.0322	0.48764	-0.1298481	0.00495	-0.14929	0.00121
8.63E-06	0.120898	0.00892	-0.07854	0.09001	0.11286411	0.01468	0.141701	0.00214
1.00E-22	-0.07058	0.12777	-0.03258	0.48245	-0.0095392	0.83711	-0.03123	0.50086
0.01461	-0.12414	0.00723	-0.0671	0.14767	-0.0633155	0.17195	-0.10122	0.02873
0.15272	0.006281	0.89232	-0.03821	0.41	-0.04734	0.30732	-0.10779	0.01982
0.93702	-0.03684	0.4271	-0.10456	0.02385	-0.0817748	0.0775	-0.04582	0.32309
0.68854	-0.04222	0.36265	0.374617	5.25E-17	0.30201798	2.64E-11	0.214099	3.03E-06
0.48413	0.058899	0.20391	-0.02419	0.60206	-0.0542641	0.24185	-0.04899	0.29071
0.09703	-0.06622	0.15307	-0.02092	0.65202	0.00653274	0.88803	-0.04636	0.3174
0.00016	0.050854	0.27276	-0.02931	0.52751	0.09121682	0.04883	0.094558	0.0411
6.71E-20	-0.13534	0.00339	0.046936	0.31147	0.15833908	0.00059	0.038813	0.40269
0.72278	0.035821	0.43995	-0.13609	0.00321	-0.1399292	0.00244	-0.08448	0.06816
0.2261	0.256593	1.86E-08	0.236172	2.43E-07	0.14198188	0.0021	0.028808	0.5346
0.37913	-0.09751	0.03514	-0.12493	0.00687	-0.1741571	0.00016	-0.17065	0.00021

0.17718	-0.10209	0.02739	0.07829	0.09104	0.04368801	0.34618	-0.0549	0.23636
0.03742	0.303311	2.15E-11	0.027079	0.55941	-0.1633265	0.00039	-0.02109	0.6494
8.80E-17	0.157836	0.00062	-0.01408	0.76161	0.02822591	0.54289	0.155354	0.00076
2.80E-09	-0.01618	0.72723	-0.01272	0.78396	0.05049153	0.2762	-0.0106	0.81923
1.52E-18	-0.22742	6.82E-07	-0.08932	0.05375	0.04742531	0.30645	0.100904	0.02924
1.34E-12	-0.10659	0.02123	-0.06111	0.1874	0.00370479	0.93636	0.019364	0.6764
0.03619	0.089613	0.05296	0.046787	0.31301	-0.0373134	0.42113	-0.12603	0.00639
0.58836	-0.13581	0.00328	-0.09863	0.0331	-0.0334315	0.47108	-0.06169	0.18323
0.40745	-0.04134	0.37278	0.077908	0.09264	0.02801825	0.54586	0.038968	0.40081
0.47366	0.194986	2.20E-05	0.382503	1.02E-17	0.20292101	9.89E-06	0.214371	2.94E-06
4.36E-10	0.132216	0.00421	0.152921	0.00092	0.02652155	0.56753	0.019082	0.68085
1.98E-11	-0.09377	0.04284	-0.03051	0.51075	0.0684457	0.1397	0.190374	3.46E-05
0.57476	0.128131	0.00555	0.02727	0.55664	-0.0830031	0.07313	0.027121	0.55879
0.41367	0.090408	0.05088	0.103342	0.02553	-0.1697241	0.00023	-0.20291	9.91E-06
0.64029	0.142587	0.00201	-0.01143	0.80543	-0.0011766	0.97977	0.059853	0.19666
9.62E-09	-0.03739	0.4202	-0.05109	0.27058	0.01443209	0.75575	0.085841	0.06381
0.0051	-0.00541	0.90716	-0.06575	0.15604	-0.0810032	0.08035	-0.12611	0.00636
8.31E-13	0.123886	0.00735	0.280496	6.85E-10	0.51068235	2.21E-32	0.411486	1.65E-20
0.6856	0.015836	0.73285	-0.03877	0.40322	-0.0589345	0.20363	-0.13059	0.0047
0.17989	-0.11892	0.01011	-0.0416	0.36975	-0.0596327	0.19832	-0.02802	0.54588
0.07674	-0.14439	0.00176	-0.21395	3.08E-06	-0.1876228	4.50E-05	-0.27642	1.23E-09
0.01234	0.037931	0.41347	-0.06929	0.13488	0.03683885	0.42706	0.130563	0.00471
0.09025	-0.02945	0.5255	-0.03235	0.4856	-0.0030902	0.9469	0.001288	0.97786
0.0008	-0.05314	0.25179	0.001582	0.9728	0.00572557	0.90179	-0.04026	0.38542
0.20065	-0.23841	1.85E-07	-0.22136	1.36E-06	0.10741663	0.02024	0.17201	0.00019
0.0011	0.094455	0.04132	0.086027	0.06324	0.09437367	0.0415	0.096539	0.03702
0.55651	0.013023	0.77895	0.076762	0.09755	0.26936692	3.32E-09	0.16982	0.00023
0.44746	-0.15354	0.00087	-0.00152	0.97394	0.28706411	2.61E-10	0.188811	4.02E-05
9.62E-08	0.099686	0.03125	0.075119	0.10496	0.04939575	0.28677	0.043213	0.35146
0.00491	0.00042	0.99278	0.045951	0.32175	0.14840577	0.0013	0.105172	0.02303
0.62051	-0.00266	0.95422	0.038718	0.40384	0.03263127	0.48177	0.110768	0.01664
0.11315	0.221484	1.34E-06	0.18749	4.56E-05	0.06885688	0.13734	0.12649	0.0062
0.04619	0.103281	0.02562	0.004929	0.91539	-0.1185556	0.01034	-0.1165	0.01175
0.08211	0.281064	6.30E-10	0.275551	1.39E-09	0.07020302	0.1298	0.044838	0.33362
5.16E-05	-0.02513	0.58808	-0.0544	0.24066	-0.0187094	0.68675	-0.00678	0.88379
0.27166	0.18274	7.13E-05	0.073583	0.11228	0.18560322	5.45E-05	0.258252	1.49E-08
0.28144	-0.00864	0.85226	0.090281	0.05121	-0.0116602	0.80157	-0.01965	0.67189
1.51E-10	-0.08915	0.0542	0.089107	0.05432	0.16820935	0.00026	0.140853	0.00228
0.17816	0.026104	0.57364	0.053746	0.24638	-0.0923714	0.04603	-0.22188	1.28E-06
0.05902	0.038597	0.40532	-0.03033	0.5132	-0.0991425	0.03219	-0.12737	0.00584
0.00023	0.049927	0.28161	0.208951	5.27E-06	0.19435236	2.35E-05	0.023545	0.61179
0.21775	0.224322	9.72E-07	0.222202	1.24E-06	0.08519244	0.06585	0.133444	0.00387
0.02983	-0.30576	1.46E-11	-0.22669	7.41E-07	-0.0300787	0.51672	-0.08704	0.06019
0.00361	0.14604	0.00155	0.297468	5.37E-11	0.1119702	0.01549	0.022177	0.63263
2.18E-26	-0.10162	0.0281	-0.04899	0.29073	0.06233084	0.17873	0.119889	0.00951

0.00172	-0.0503	0.27801	-0.02604	0.57451	-0.0954874	0.03914	-0.14361	0.00186
0.11858	0.173966	0.00016	0.105505	0.02259	0.11470588	0.01312	0.074385	0.10841
0.78162	0.079483	0.08621	0.279091	8.39E-10	0.19642479	1.91E-05	0.148259	0.00131
1.33E-13	0.305755	1.46E-11	0.329937	2.54E-13	0.32659866	4.54E-13	0.288684	2.05E-10
0.15584	-0.08301	0.0731	-0.00058	0.99008	0.25384523	2.66E-08	0.095716	0.03867
0.00018	0.105354	0.02279	0.262312	8.69E-09	0.01348576	0.77131	-0.12755	0.00578
0.35274	0.23145	4.26E-07	0.231384	4.29E-07	0.21306899	3.39E-06	0.290366	1.59E-10
0.15913	0.097335	0.03548	0.159334	0.00055	0.26517716	5.90E-09	0.116228	0.01195
0.001	0.245452	7.77E-08	0.189789	3.66E-05	0.19746014	1.72E-05	0.207602	6.08E-06
0.01766	0.018378	0.69202	0.058599	0.20622	0.14839134	0.0013	0.11319	0.01439
0.08254	-0.03583	0.43988	-0.06102	0.18808	-0.0295852	0.52363	-0.06585	0.15541
0.03803	0.008633	0.85239	0.120951	0.00889	0.19698663	1.81E-05	0.147342	0.00141
0.21608	-0.12127	0.00871	-0.07335	0.1134	-0.0344442	0.45774	-0.01651	0.72198
0.92586	0.111069	0.01634	0.213093	3.38E-06	0.02226962	0.63121	-0.01527	0.74206
0.05185	0.092457	0.04583	0.149849	0.00116	-0.110858	0.01655	-0.08165	0.07795
1.45E-16	-0.05249	0.25759	-0.14274	0.00199	-0.0758056	0.10181	-0.02944	0.52566
0.01019	0.110099	0.01731	0.066426	0.1518	0.19028068	3.49E-05	0.130316	0.00479
0.34356	0.031395	0.49853	0.130835	0.00463	0.15038669	0.00112	0.094376	0.04149
0.09494	-0.16075	0.00049	-0.06582	0.1556	0.03689291	0.42638	-0.05726	0.2168
0.60183	0.034005	0.46349	-0.029	0.53194	-0.0318976	0.49168	0.03537	0.44574
0.3341	-0.29418	8.92E-11	-0.16025	0.00051	0.11814518	0.01061	0.169244	0.00024
8.11E-06	-0.11378	0.01388	0.019039	0.68153	0.42988281	1.99E-22	0.303532	2.08E-11
0.02712	0.096487	0.03713	0.061215	0.18664	0.03046827	0.5113	0.069195	0.13541
0.05926	0.136161	0.0032	0.121668	0.00849	0.30064446	3.27E-11	0.218818	1.81E-06
3.67E-05	-0.18298	6.97E-05	-0.14699	0.00145	-0.0826837	0.07425	-0.10937	0.01807
0.30527	0.03496	0.45103	-0.04619	0.31922	0.05416761	0.24269	-0.05563	0.23021
0.14957	0.116579	0.0117	-0.04728	0.30798	-0.1003484	0.03014	-0.15115	0.00105
0.00029	0.11814	0.01061	0.189668	3.70E-05	0.27598589	1.31E-09	0.197733	1.68E-05
0.01412	-0.06709	0.14776	-0.07742	0.09472	0.04871808	0.29344	0.098756	0.03287
8.65E-09	0.233529	3.33E-07	0.171937	0.00019	0.06287687	0.17495	-0.02964	0.52282
0.00027	0.013978	0.7632	-0.18303	6.94E-05	-0.0857608	0.06406	0.109807	0.01761
0.01074	0.103471	0.02535	0.025735	0.57908	-0.0172128	0.71064	-0.07253	0.11751
0.26631	0.054589	0.23904	-0.12838	0.00546	-0.23031	4.87E-07	-0.30125	2.98E-11
0.89203	0.245309	7.91E-08	0.244952	8.27E-08	0.13694673	0.00302	0.09778	0.03465
0.19247	0.082495	0.07491	0.168089	0.00026	-0.0207246	0.65508	-0.17522	0.00014
0.74804	0.149755	0.00117	0.173135	0.00017	0.17129127	0.0002	0.114934	0.01294
0.60936	0.171681	0.00019	0.089532	0.05317	0.07058586	0.12771	0.038386	0.4079
0.05895	-0.12947	0.00507	0.009457	0.83849	-0.0605093	0.19179	-0.08173	0.07766
0.15585	-0.04771	0.30353	0.084628	0.06767	0.03240075	0.48487	0.066494	0.15138
0.70649	0.197122	1.78E-05	0.358792	1.24E-15	-0.0075474	0.87078	-0.13592	0.00325
0.18285	0.016201	0.72694	-0.00694	0.88112	0.04472743	0.33482	0.159624	0.00054
0.00393	0.297977	4.97E-11	0.302645	2.39E-11	0.25536958	2.18E-08	0.127736	0.0057
0.13131	0.133655	0.00381	0.028295	0.5419	-0.0888567	0.055	0.028425	0.54004
0.01542	0.074701	0.10691	0.024541	0.5968	0.24703108	6.37E-08	0.247005	6.39E-08
4.71E-18	-0.14863	0.00128	-0.0196	0.67274	-0.06178	0.18261	-0.15426	0.00082

0.09386	0.165265	0.00034	0.055402	0.2321	-0.0171805	0.71115	0.069235	0.13518
0.40937	0.032877	0.47847	0.041741	0.36811	-0.0303552	0.51287	-0.07159	0.12234
0.55868	-0.16348	0.00039	-0.06701	0.14825	0.10190693	0.02766	0.200983	1.21E-05
0.18297	-0.22798	6.39E-07	-0.2442	9.08E-08	-0.118398	0.01044	-0.09633	0.03743
0.04493	0.244722	8.51E-08	0.111187	0.01623	0.06989339	0.1315	0.094562	0.04109
0.13215	0.158231	0.0006	-0.03397	0.4639	0.05915099	0.20197	0.177261	0.00012
5.37E-05	0.189994	3.59E-05	0.075617	0.10267	-0.0067016	0.88516	0.124496	0.00707
7.29E-08	0.180228	8.99E-05	0.065574	0.15713	-0.0487128	0.29349	-0.12569	0.00653
0.97859	-0.04093	0.37751	-0.25751	1.65E-08	-0.1522222	0.00097	-0.14651	0.0015
0.00382	-0.08987	0.05227	0.01018	0.82634	0.09744272	0.03528	0.054305	0.2415
0.10466	0.196124	1.97E-05	0.088903	0.05487	0.01577539	0.73384	-0.05538	0.23226
0.02308	0.148396	0.0013	0.00952	0.83744	-0.1282428	0.00551	-0.26396	6.96E-09
0.84991	0.230326	4.86E-07	0.170103	0.00022	-0.018422	0.69132	-0.08479	0.06715
0.96445	-0.08438	0.06848	-0.09991	0.03088	-0.0495356	0.2854	-0.06197	0.18125
0.27708	0.037785	0.41528	0.013071	0.77816	0.03407387	0.46259	0.031099	0.50259
0.02428	-0.08643	0.06202	-0.13274	0.00406	-0.0917913	0.04742	-0.07872	0.08927
0.92733	-0.01563	0.73613	-0.02828	0.54207	-0.0434442	0.34888	-0.04977	0.28315
0.19422	0.01136	0.80658	0.016008	0.73007	-0.0296132	0.52323	-0.02184	0.63786
0.02133	0.112805	0.01473	0.209005	5.24E-06	0.28982237	1.73E-10	0.210187	4.62E-06
0.00293	0.296143	6.60E-11	0.325159	5.82E-13	0.29862783	4.49E-11	0.171032	0.0002
0.71622	-0.13134	0.00447	-0.01935	0.67667	0.12493709	0.00687	0.141052	0.00225
0.49502	-0.16982	0.00023	-0.16651	0.0003	-0.166425	0.0003	-0.18633	5.09E-05
0.01905	0.097438	0.03529	-0.12494	0.00686	-0.2891507	1.91E-10	-0.16999	0.00022
9.14E-05	0.243367	1.01E-07	0.396038	5.48E-19	0.47748412	5.73E-28	0.27122	2.56E-09
0.69521	0.028285	0.54205	0.052189	0.26035	0.11749653	0.01105	0.071742	0.12157
0.00098	-0.01756	0.705	0.095109	0.03993	0.52697834	9.88E-35	0.243006	1.05E-07
0.06069	0.121026	0.00884	0.03487	0.45219	-0.0456384	0.32505	-0.03588	0.43924
0.50257	0.01562	0.73637	-0.09336	0.04374	-0.0226578	0.62527	-0.022	0.63532
0.70433	0.055977	0.22728	-0.18245	7.32E-05	-0.2189082	1.79E-06	-0.19889	1.49E-05
0.06113	0.154513	0.00081	-0.00187	0.96783	-0.0323702	0.48528	0.004205	0.92779
0.00044	-0.02544	0.58347	-0.18869	4.07E-05	-0.1123941	0.0151	0.003872	0.93349
0.1991	0.074195	0.10932	-0.03698	0.42528	0.02801511	0.5459	-0.03443	0.45792
0.64533	0.181518	7.98E-05	-0.16469	0.00035	-0.1298819	0.00494	-0.14025	0.00238
0.44261	-0.02106	0.64985	-0.14964	0.00118	-0.037368	0.42045	0.023022	0.61973
3.67E-22	0.034961	0.45102	-0.05941	0.19998	0.03464318	0.45515	0.068192	0.14118
5.25E-05	0.039219	0.39779	-0.00688	0.88213	0.04340212	0.34935	0.080626	0.08177
0.1508	0.021445	0.6439	-0.05159	0.26585	-0.069939	0.13125	-0.06751	0.14521
0.00017	0.069061	0.13617	-0.10411	0.02445	-0.4061579	5.64E-20	-0.32622	4.85E-13
0.01459	-0.11684	0.01151	-0.22161	1.32E-06	-0.1632251	0.0004	-0.19494	2.21E-05
0.40086	0.059786	0.19717	0.052921	0.25372	-0.0235816	0.61124	-0.18377	6.48E-05
0.18849	0.068417	0.13987	0.022283	0.631	0.04899997	0.29065	0.136229	0.00318
0.06702	0.086134	0.06291	-0.05604	0.22676	-0.0915121	0.0481	-0.01168	0.80125
0.75772	-0.05581	0.22866	0.044277	0.33971	0.14721026	0.00142	0.081922	0.07696
0.63443	0.014772	0.75018	0.00571	0.90205	0.04057955	0.38161	0.060224	0.1939
0.70805	-0.01132	0.80723	-0.07192	0.12067	-0.183075	6.91E-05	-0.15917	0.00056



0.04632	0.199383	1.42E-05	0.053894	0.24508	-0.0551929	0.23387	-0.04878	0.29285
0.2391	-0.24349	9.92E-08	-0.15749	0.00064	0.24999718	4.37E-08	0.092798	0.04503
0.50474	0.2241	9.97E-07	0.16644	0.0003	0.26095386	1.04E-08	0.106652	0.02116
0.04564	0.1028	0.02632	0.036518	0.4311	0.06211038	0.18027	0.142997	0.00195
6.17E-08	-0.02032	0.66143	0.100682	0.0296	0.17980785	9.34E-05	0.133451	0.00386
0.14351	0.028781	0.53498	-0.12433	0.00715	-0.0940533	0.0422	-0.06806	0.14193
0.04351	0.124759	0.00695	0.087502	0.05883	0.04907358	0.28993	0.035221	0.44766
0.18295	0.030164	0.51553	-0.11355	0.01408	-0.0311083	0.50247	-0.02771	0.55027
4.16E-05	0.083809	0.07038	0.062227	0.17946	-0.0974108	0.03534	-0.24211	1.18E-07
7.64E-08	0.143254	0.00191	0.242988	1.06E-07	0.2156204	2.57E-06	0.078109	0.0918
0.10154	-0.0056	0.90387	-0.14321	0.00192	-0.1174699	0.01107	-0.09125	0.04874
0.32386	0.052213	0.26013	-0.00249	0.95716	-0.0142171	0.75928	-0.02155	0.64226
0.48032	0.056595	0.22219	0.042538	0.35904	0.08643624	0.06199	0.070386	0.1288
0.06781	0.200706	1.24E-05	0.435716	4.64E-23	0.52684229	1.03E-34	0.336607	7.79E-14
0.00013	-0.27305	1.98E-09	-0.14274	0.00199	0.08484973	0.06695	0.069668	0.13275
0.83906	0.025483	0.5828	0.154922	0.00078	0.26418375	6.75E-09	0.197504	1.72E-05
0.43328	0.003413	0.94136	0.011958	0.79661	0.06778973	0.14355	0.095906	0.03829
0.63512	-0.02962	0.52315	-0.02988	0.51944	-0.1201657	0.00934	-0.13704	0.003
3.56E-15	0.259828	1.21E-08	0.232556	3.74E-07	0.18941603	3.79E-05	0.156756	0.00068
0.07069	0.029522	0.52452	-0.1212	0.00875	-0.0155769	0.73707	0.056667	0.2216
9.74E-07	-0.01694	0.71508	-0.06176	0.18276	0.03189135	0.49176	0.097871	0.03448
0.29831	0.115694	0.01235	0.175435	0.00014	0.19467364	2.27E-05	0.189201	3.87E-05
0.0023	0.196134	1.97E-05	0.066088	0.15389	-0.0863564	0.06223	-0.11337	0.01423
0.24763	0.202375	1.05E-05	-0.01422	0.75922	-0.0198373	0.66896	0.069711	0.13251
0.09109	-0.04837	0.29695	-0.11533	0.01263	-0.0688724	0.13725	-0.12532	0.0067
0.50058	-0.00583	0.89997	-0.04756	0.30513	-0.0314613	0.49763	-0.04461	0.33612
0.45201	0.0313	0.49984	0.089312	0.05376	-0.0185296	0.68961	-0.04309	0.35279
0.12244	0.247178	6.25E-08	-0.01138	0.80622	-0.1486183	0.00128	-0.13475	0.00353
2.15E-09	0.046169	0.31945	-0.0189	0.6838	-0.0448073	0.33395	-0.00887	0.84845
0.42952	0.162839	0.00041	0.081369	0.07898	-0.0212147	0.64747	0.024556	0.59659
0.02174	0.187499	4.56E-05	0.154071	0.00084	0.03601891	0.43743	0.079867	0.08469
0.72094	0.175547	0.00014	0.279801	7.57E-10	0.30220089	2.56E-11	0.061538	0.18433
0.72215	-0.231	4.49E-07	-0.06513	0.15999	-0.1408609	0.00228	-0.17972	9.42E-05
0.03286	0.148123	0.00133	0.087038	0.06019	-0.0637576	0.16897	-0.06409	0.16675
0.69442	-0.08333	0.07199	-0.17048	0.00021	-0.0366277	0.42972	-0.01431	0.75768
0.82969	0.055664	0.2299	0.220559	1.49E-06	0.03755318	0.41815	-0.11919	0.00994
0.01166	-0.1204	0.0092	-0.0341	0.46228	-0.097102	0.03593	-0.22339	1.08E-06
0.85926	-0.05084	0.27292	-0.01133	0.80705	-0.0718917	0.1208	-0.06471	0.16271
2.85E-05	0.200559	1.26E-05	0.226073	7.96E-07	0.05995916	0.19587	0.016968	0.71457
0.26453	0.144699	0.00172	0.144213	0.00178	0.16191875	0.00044	0.104729	0.02361
0.56242	0.123025	0.00778	0.093843	0.04266	-0.0566824	0.22147	0.0028	0.95189
0.69872	0.047142	0.30935	0.04495	0.33241	0.02873417	0.53564	0.056689	0.22142
0.80865	-0.11826	0.01053	0.032473	0.4839	0.04614046	0.31975	0.066632	0.15053
0.00024	0.122555	0.00802	0.067378	0.146	0.15500495	0.00078	0.298553	4.54E-11
0.01772	0.023506	0.61238	-0.16312	0.0004	-0.1937224	2.50E-05	-0.18122	8.20E-05

0.77121	0.217133	2.18E-06	0.133858	0.00376	0.18103906	8.34E-05	0.154344	0.00082
0.00556	0.174873	0.00015	0.115396	0.01258	0.14735378	0.00141	0.179108	9.95E-05
0.00365	0.007305	0.8749	-0.04663	0.31465	0.03078098	0.50697	0.096926	0.03627
0.85586	0.146774	0.00147	-0.04703	0.31047	-0.1359755	0.00324	-0.0694	0.13424
5.53E-05	0.1769	0.00012	0.024276	0.60077	0.03399112	0.46368	0.079835	0.08482
0.40804	-0.07129	0.12395	-0.07461	0.10735	0.0159672	0.73073	-0.04341	0.34926
0.01855	-0.04388	0.34401	-0.28117	6.21E-10	-0.0470201	0.31061	-0.05813	0.2099
0.06295	0.196692	1.86E-05	0.115597	0.01243	0.04344482	0.34887	0.00574	0.90155
0.62901	0.056742	0.22099	-0.05801	0.21079	-0.1028425	0.02626	-0.18477	5.90E-05
0.20829	-0.03272	0.48058	-0.09774	0.03472	-0.1222002	0.0082	-0.16415	0.00037
0.00516	-0.01635	0.72458	-0.01561	0.73647	-0.0244968	0.59747	-0.11895	0.01009
0.15934	0.024469	0.59788	0.08059	0.08191	0.19142667	3.12E-05	0.152741	0.00093
4.75E-05	0.145699	0.00159	0.02698	0.56085	0.26842718	3.78E-09	0.352601	4.06E-15
0.2933	-0.22532	8.68E-07	-0.14969	0.00118	0.06023446	0.19382	0.101119	0.02889
0.18678	-0.07047	0.12833	-0.00911	0.84437	0.10500415	0.02325	0.197605	1.70E-05
0.01478	-0.08394	0.06995	-0.02887	0.53376	-0.075478	0.1033	-0.11519	0.01274
0.71013	-0.22669	7.41E-07	-0.00641	0.89014	-0.2204656	1.50E-06	-0.3068	1.23E-11
0.85085	0.024952	0.59067	0.008833	0.84901	-0.0260536	0.57438	0.000134	0.99769
2.02E-05	-0.28089	6.47E-10	-0.08249	0.07493	0.27008502	3.00E-09	0.264188	6.74E-09
0.5547	-0.19167	3.05E-05	-0.13787	0.00283	0.01320021	0.77602	0.003736	0.93582
0.1326	0.041654	0.36911	0.020789	0.65408	0.04900815	0.29057	0.122899	0.00784
0.0532	-0.07289	0.11572	-0.05777	0.21275	-0.0221039	0.63376	-0.05097	0.27168
0.45101	0.101732	0.02793	0.080617	0.0818	0.09084871	0.04976	0.138695	0.00267
0.90956	0.042016	0.36497	0.041419	0.37183	-0.0117362	0.80031	-0.00299	0.9487
0.20701	-0.00564	0.90317	0.058645	0.20586	0.18117334	8.24E-05	0.140463	0.00235
0.96078	0.019634	0.67215	0.062901	0.17478	0.12205853	0.00828	0.093497	0.04343
0.97241	-0.06333	0.17183	-0.02523	0.5866	0.06041051	0.19252	0.067374	0.14603
0.94676	-0.00746	0.87227	0.011973	0.79637	0.04208062	0.36423	0.057274	0.21668
0.00018	-0.28202	5.49E-10	-0.2183	1.91E-06	0.1982803	1.59E-05	0.084469	0.06819
0.84818	0.097411	0.03534	-0.01064	0.8187	-0.0178939	0.69973	-0.06994	0.13123
0.44517	0.035119	0.44898	0.042778	0.35633	0.08838716	0.0563	0.088516	0.05594
0.02701	0.062743	0.17587	-0.0062	0.89364	0.06872027	0.13812	0.053384	0.24958
0.88465	-0.01215	0.79349	-0.14765	0.00138	0.00276939	0.95241	-0.03861	0.4051
0.35796	-0.00741	0.87306	-0.02728	0.55651	0.11196504	0.01549	0.135846	0.00327
0.8836	0.037838	0.41462	0.117618	0.01097	0.06939613	0.13428	0.021196	0.64777
0.00413	-0.01451	0.75443	-0.05922	0.20147	-0.0240814	0.6037	0.03249	0.48367
0.38401	0.045453	0.32702	0.038537	0.40605	0.05938402	0.2002	0.055592	0.23051
0.81539	0.053297	0.25035	0.061953	0.18138	0.04309808	0.35274	0.021911	0.63672
0.77728	0.123612	0.00749	0.201345	1.16E-05	0.16777041	0.00027	0.130474	0.00474
0.54184	0.000128	0.9978	-0.00257	0.95575	-0.009393	0.83957	0.010255	0.82507
0.05338	-0.11289	0.01466	-0.34067	3.74E-14	-0.3170043	2.32E-12	-0.2821	5.42E-10
0.59476	-0.04574	0.32396	0.092434	0.04589	0.18121597	8.21E-05	0.158404	0.00059
0.60896	-0.09449	0.04124	-0.14731	0.00141	-0.1235596	0.00751	-0.1371	0.00299
0.23296	-0.08068	0.08156	-0.02804	0.54554	-0.1648755	0.00035	-0.10766	0.01997
0.43095	0.059255	0.20118	0.012383	0.78955	-0.09394	0.04245	-0.07686	0.09713

0.47271	0.103639	0.02511	0.30581	1.44E-11	0.09026091	0.05126	0.012893	0.78111
0.17842	0.135851	0.00327	-0.13356	0.00383	-0.1722988	0.00018	-0.21526	2.67E-06
0.22602	-0.17504	0.00014	-0.0362	0.4351	0.01514311	0.74413	0.040414	0.38355
0.22925	0.077245	0.09545	0.135404	0.00337	-0.1960057	1.99E-05	-0.27498	1.51E-09
0.04606	0.052596	0.25665	0.244691	8.54E-08	0.25259741	3.13E-08	0.216223	2.41E-06
0.10069	0.101034	0.02903	0.022316	0.6305	-0.0365617	0.43055	-0.07171	0.12175
0.00316	0.01792	0.69932	0.025807	0.57801	-0.0973263	0.0355	-0.12303	0.00777
0.51631	0.114701	0.01313	0.171937	0.00019	0.04974063	0.28341	0.017586	0.70464
0.20479	0.135803	0.00328	0.06966	0.1328	7.17E-05	0.99877	0.097742	0.03472
0.66969	0.198527	1.55E-05	0.183107	6.89E-05	-0.2214732	1.34E-06	-0.21984	1.61E-06
0.57472	-0.06525	0.15918	-0.06125	0.18642	-0.0266274	0.56598	-0.02023	0.66279
0.02148	-0.06287	0.17499	0.10844	0.01908	-0.0116094	0.80242	-0.05674	0.22099
0.05658	-0.11736	0.01114	-0.18913	3.90E-05	-0.0600463	0.19522	-0.058	0.21094
0.06082	0.13324	0.00392	0.19048	3.42E-05	-0.1193843	0.00982	-0.12809	0.00557
0.00023	0.088982	0.05466	0.050028	0.28064	0.05679519	0.22055	0.065703	0.15631
0.25713	0.126906	0.00603	0.058943	0.20357	-0.0287825	0.53496	-0.0473	0.30772
0.03224	0.055483	0.23142	0.029783	0.52085	-0.0984309	0.03346	-0.11959	0.00969
0.00684	0.239918	1.54E-07	0.198814	1.50E-05	-0.0034055	0.94149	0.099153	0.03217
0.29154	-0.02233	0.63029	0.0208	0.65391	0.01114019	0.81025	0.012097	0.7943
0.00837	0.12034	0.00924	0.275115	1.48E-09	0.14735001	0.00141	0.085623	0.06449
0.54951	-0.0049	0.91597	-0.00372	0.93618	-0.0059083	0.89867	0.019945	0.66727
0.38838	0.114692	0.01314	-0.05211	0.26111	-0.0946226	0.04096	-0.07791	0.09262
0.84212	0.087237	0.0596	0.089833	0.05238	0.07087552	0.12615	0.082015	0.07663
0.49185	0.246951	6.43E-08	0.276554	1.21E-09	0.02738195	0.55502	-0.01803	0.69748
0.78413	0.020598	0.65705	0.010205	0.82591	-0.0247448	0.59377	-0.02866	0.53671
0.06483	0.222793	1.16E-06	0.257661	1.62E-08	-0.1853887	5.56E-05	-0.22151	1.34E-06
0.71171	-0.00288	0.95051	0.089465	0.05335	0.20594175	7.23E-06	0.20022	1.30E-05
0.81379	0.090805	0.04987	0.187725	4.46E-05	0.20470991	8.22E-06	0.192361	2.85E-05
0.59951	0.037755	0.41565	0.141556	0.00217	0.14072919	0.0023	0.11395	0.01374
0.18353	-0.01373	0.76726	0.02842	0.54011	0.05494504	0.23598	0.04132	0.37297
1.84E-05	-0.11497	0.01291	0.001749	0.96992	0.01172808	0.80044	-0.072	0.12026
0.42822	-0.02705	0.55985	0.027468	0.55378	-0.0241203	0.60312	-0.02188	0.6372
1.22E-12	-0.0299	0.51919	-0.01158	0.80289	0.06553251	0.15739	0.106118	0.02182
0.23161	0.160901	0.00048	-0.01909	0.68075	-0.270993	2.64E-09	-0.12223	0.00819
0.10862	-0.26686	4.69E-09	-0.38898	2.56E-18	-0.2778023	1.01E-09	-0.32006	1.39E-12
0.42122	-0.02271	0.62447	-0.04955	0.28526	0.09117586	0.04894	0.186891	4.83E-05
0.01891	0.02236	0.62983	0.083582	0.07115	0.07996571	0.08431	0.058964	0.2034
0.01923	-0.02952	0.52452	0.01078	0.81628	0.09374477	0.04288	0.208123	5.75E-06
0.72086	0.082171	0.07607	0.085263	0.06563	-0.0392015	0.398	0.018668	0.68742
0.74039	0.093348	0.04377	0.072402	0.11817	0.00219053	0.96235	0.026177	0.57257
0.1372	0.093982	0.04236	0.012093	0.79437	-0.1158678	0.01222	-0.09946	0.03165
0.57546	0.033456	0.47076	0.055376	0.23232	0.08794093	0.05756	0.09281	0.04501
0.30043	0.098576	0.03319	0.10781	0.01979	0.07740024	0.09479	0.098209	0.03386
0.41158	-0.02856	0.53809	-0.00636	0.89098	0.15369889	0.00086	0.163387	0.00039
0.47602	-0.02166	0.64058	-0.0779	0.09267	-0.0267192	0.56464	-0.01187	0.7981

0.95104	0.047879	0.30185	0.183699	6.52E-05	0.04721121	0.30864	0.014586	0.75324
0.79489	0.033186	0.47435	-0.0641	0.1667	-0.0363791	0.43286	0.079748	0.08516
0.72867	0.109511	0.01792	0.250048	4.34E-08	0.20007995	1.32E-05	0.119678	0.00964
0.25593	0.081993	0.07671	0.180381	8.86E-05	0.36837081	1.87E-16	0.316556	2.50E-12
0.89403	-0.05439	0.24074	0.007343	0.87425	-0.0072764	0.87538	-0.00273	0.95307
0.61348	0.220376	1.52E-06	0.16882	0.00025	0.05034717	0.27757	0.05165	0.26531
0.9279	0.01864	0.68785	0.085267	0.06562	0.09412567	0.04204	0.110218	0.01719
0.18435	-0.05566	0.22996	-0.0611	0.1875	0.17573143	0.00013	0.07562	0.10265
0.97634	-0.00766	0.86884	-0.03275	0.48014	0.00511369	0.91224	0.003846	0.93393
0.26774	-0.06117	0.18696	0.044721	0.33488	0.06251361	0.17746	0.04957	0.28507
0.11716	0.119425	0.00979	0.211559	3.99E-06	0.17238965	0.00018	0.162768	0.00041
0.41807	0.117199	0.01126	0.089807	0.05244	-0.0270968	0.55915	-0.07749	0.09441
0.37137	0.017855	0.70034	0.032935	0.47769	-0.0026779	0.95398	0.02057	0.65749
0.03468	-0.06853	0.13924	0.006912	0.88158	-0.1832491	6.80E-05	-0.1658	0.00032
4.61E-05	0.062726	0.17599	-0.05502	0.2353	-0.1132624	0.01433	-0.11299	0.01456
0.51841	0.192414	2.84E-05	0.234201	3.07E-07	0.1329099	0.00401	0.156439	0.00069
0.45383	-0.06002	0.19542	-0.06739	0.14591	0.03373226	0.4671	0.128074	0.00558
0.81817	0.073574	0.11232	0.040869	0.37822	0.09680506	0.0365	0.100769	0.02946
0.35523	0.014644	0.75228	0.038367	0.40812	0.00453675	0.92211	-0.00095	0.98373
0.96944	0.0561	0.22627	0.098183	0.0339	0.02932556	0.52728	0.034648	0.45509
0.53325	0.228786	5.81E-07	0.257164	1.72E-08	0.28758271	2.42E-10	0.333489	1.36E-13
0.55181	0.105009	0.02324	0.161246	0.00047	0.11307443	0.01449	0.102556	0.02668
0.12245	0.154741	0.00079	0.207549	6.11E-06	-0.0148662	0.74865	-0.01278	0.78302
0.03849	-0.03025	0.51435	-0.00717	0.87727	0.02181243	0.63824	-0.0576	0.21409
0.55531	0.166144	0.00031	0.075559	0.10293	0.00889463	0.84797	-0.03731	0.42112
0.20639	0.055235	0.23351	0.083142	0.07265	0.01968846	0.67129	0.00944	0.83878
0.6007	0.080302	0.08301	0.100689	0.02959	0.08717079	0.05979	0.12691	0.00603
0.81075	0.019725	0.67073	0.048136	0.29926	-0.038405	0.40766	-0.03009	0.51654
0.21542	0.316194	2.65E-12	0.21745	2.10E-06	-0.0587471	0.20507	-0.04914	0.28925
0.00688	0.155582	0.00074	0.214403	2.93E-06	-0.0117247	0.8005	-0.0401	0.38723
0.00193	-0.29416	8.94E-11	-0.36546	3.34E-16	-0.3075379	1.09E-11	-0.35426	2.96E-15
0.27319	-0.13451	0.00359	-0.30412	1.89E-11	-0.1566321	0.00068	-0.13043	0.00476
0.98928	0.097505	0.03516	0.064487	0.16413	0.0039	0.93301	0.026752	0.56416
0.51952	0.074465	0.10803	0.107001	0.02074	-0.0659633	0.15468	-0.0687	0.13822
0.79488	-0.03474	0.4539	0.060681	0.19053	-0.1707016	0.00021	-0.26977	3.14E-09
0.01842	0.036611	0.42993	0.017506	0.70594	0.02935348	0.52688	0.103389	0.02547
0.6668	0.056189	0.22553	-0.28402	4.09E-10	-0.3512469	5.25E-15	-0.31524	3.11E-12
0.05108	0.126353	0.00625	0.202125	1.07E-05	0.15894286	0.00057	0.147937	0.00135
0.86754	-0.03203	0.48984	-0.00091	0.98442	-0.0151934	0.74331	-0.03422	0.46065
0.95287	-0.088	0.05738	-0.01369	0.76802	0.03283233	0.47907	0.030489	0.51102
0.66825	0.050197	0.27901	0.042422	0.36035	0.07381869	0.11113	0.096461	0.03718
0.77517	0.249803	4.48E-08	0.267402	4.35E-09	0.30669437	1.25E-11	0.285679	3.20E-10
0.6085	0.016476	0.72249	-0.00043	0.99264	0.04463884	0.33577	0.024199	0.60194
0.17661	0.159399	0.00055	0.209484	4.98E-06	-0.2409311	1.36E-07	-0.26499	6.05E-09
0.31633	-0.06121	0.18671	-0.1746	0.00015	-0.1848526	5.85E-05	-0.11042	0.01698

0.76105	-0.03453	0.45665	-0.02088	0.65261	0.02923272	0.52859	0.017216	0.71058
0.07181	-0.01794	0.69895	0.119123	0.00998	0.08033082	0.0829	0.062693	0.17622
0.6609	-0.03068	0.5083	0.008081	0.86174	0.07380055	0.11122	0.078445	0.0904
0.01752	-0.03612	0.43613	-0.12236	0.00812	-0.011999	0.79593	-0.06725	0.14677
0.5003	0.269637	3.19E-09	0.244924	8.30E-08	0.0548102	0.23714	-0.03077	0.50709
0.03406	0.203417	9.40E-06	0.162158	0.00043	0.02876923	0.53515	0.09878	0.03283
0.99986	0.144167	0.00179	0.207091	6.41E-06	-0.0343576	0.45887	-0.00096	0.98345
0.16875	-0.0752	0.10458	-0.11663	0.01166	-0.1397763	0.00247	-0.14649	0.0015
0.21043	0.15059	0.0011	0.124822	0.00692	-0.0758922	0.10142	-0.03404	0.4631
0.01419	0.077296	0.09523	0.102746	0.0264	0.24770849	5.85E-08	0.289702	1.76E-10
0.42347	0.009984	0.82963	-0.12837	0.00547	-0.1018227	0.02779	-0.09063	0.05032
0.63546	0.113789	0.01388	-0.03365	0.46815	-0.0236005	0.61095	0.055393	0.23218
0.97403	-0.18082	8.51E-05	-0.00918	0.8431	0.06375865	0.16896	0.004592	0.92117
0.75345	-0.10921	0.01824	-0.24063	1.41E-07	-0.1732465	0.00017	-0.16246	0.00042
0.85824	-0.013	0.77934	0.091401	0.04838	0.03989711	0.38967	0.047567	0.30501
0.31489	0.027414	0.55456	0.043423	0.34911	0.06309205	0.17347	-0.01689	0.71581
0.00386	0.265571	5.59E-09	0.287715	2.37E-10	-0.1011673	0.02882	-0.16222	0.00043
0.18459	-0.08232	0.07555	-0.07288	0.11578	-0.077428	0.09467	-0.13183	0.00432
0.51993	-0.00702	0.8797	0.022083	0.63408	-0.0102968	0.82437	-0.01272	0.78393
0.07192	0.213911	3.10E-06	0.056505	0.22293	-0.0499218	0.28166	-0.12794	0.00563
1.19E-05	-0.11473	0.0131	0.143445	0.00189	0.26141925	9.80E-09	0.23671	2.27E-07
0.00306	0.130972	0.00458	0.095789	0.03852	0.04194481	0.36578	0.150458	0.00111
3.51E-05	0.07423	0.10915	0.072841	0.11595	0.12446853	0.00708	0.023604	0.61089
0.05279	-0.09856	0.03322	0.010293	0.82443	-0.0273523	0.55545	-0.19161	3.07E-05
0.00244	0.095209	0.03972	0.166761	0.0003	-0.1349594	0.00348	-0.07666	0.09798
0.9045	0.057745	0.21292	0.023656	0.61012	-0.0143971	0.75633	0.005069	0.91301
0.17274	-0.07345	0.11295	0.324326	6.72E-13	0.49620346	2.13E-30	0.30589	1.43E-11
2.05E-11	0.107035	0.0207	0.08095	0.08055	0.11999147	0.00945	0.117394	0.01112
0.05143	0.219349	1.70E-06	0.123975	0.00731	-0.0157718	0.7339	-0.07266	0.11689
0.22416	0.092074	0.04674	-0.11522	0.01272	0.1887291	4.05E-05	0.14459	0.00173
0.02027	0.100859	0.02931	0.085637	0.06445	0.12395269	0.00732	0.114711	0.01312
0.08283	0.014288	0.75811	0.085946	0.06349	-0.0171007	0.71244	-0.11406	0.01365
0.00081	0.180879	8.47E-05	0.296671	6.08E-11	0.35349657	3.43E-15	0.144037	0.0018
0.67198	-0.12439	0.00712	0.031771	0.4934	0.14422355	0.00178	0.044817	0.33385
0.00178	-0.00073	0.98748	0.03918	0.39826	0.11246021	0.01504	0.054832	0.23695
0.2336	0.021205	0.64763	0.013528	0.77061	0.00163684	0.97186	0.029888	0.51938
0.68152	0.123171	0.0077	0.096858	0.0364	0.00952018	0.83743	0.008251	0.85885
0.2578	0.096358	0.03738	0.077884	0.09274	-0.0143562	0.757	-0.06132	0.18591
4.66E-17	-0.03443	0.4579	-0.10325	0.02567	0.1519993	0.00098	0.21958	1.66E-06
0.10638	0.078388	0.09064	0.084942	0.06665	0.09601437	0.03807	0.023477	0.61282
0.74768	0.241456	1.28E-07	0.184978	5.78E-05	0.15192075	0.00099	0.030792	0.50682
0.46423	0.133233	0.00392	0.150235	0.00113	-0.0441934	0.34062	0.006484	0.88887
0.08604	-0.17723	0.00012	-0.24916	4.86E-08	-0.1098	0.01761	0.004299	0.92618
1.67E-07	0.069503	0.13368	0.028116	0.54446	0.06621658	0.15309	0.082713	0.07414
0.28472	0.105064	0.02317	0.090068	0.05176	0.03375023	0.46686	-0.02841	0.54026

2.10E-05	-0.19692	1.82E-05	0.055915	0.2278	0.30758384	1.09E-11	0.171233	0.0002
0.01401	0.091513	0.0481	0.321266	1.13E-12	0.31842665	1.83E-12	0.142152	0.00207
0.00206	-0.04773	0.30331	0.031479	0.49739	0.07072307	0.12697	0.077315	0.09516
0.00023	0.30668	1.26E-11	0.180884	8.46E-05	-0.0048968	0.91595	-0.04249	0.35958
0.51347	0.08474	0.0673	0.030889	0.50548	-0.135549	0.00334	-0.09867	0.03302
2.39E-06	0.183017	6.95E-05	0.152784	0.00093	-0.0988671	0.03268	-0.1333	0.0039
0.00285	-0.10525	0.02293	-0.05972	0.19767	-0.1310073	0.00457	-0.18453	6.03E-05
4.08E-05	0.012576	0.78636	0.061269	0.18626	-0.2432092	1.03E-07	-0.28131	6.08E-10
4.48E-05	0.168866	0.00025	0.109918	0.01749	-0.1382776	0.00275	-0.18459	6.00E-05
1.79E-07	-0.08705	0.06015	-0.00811	0.86118	-0.2607166	1.08E-08	-0.33031	2.38E-13
0.0358	0.056586	0.22227	0.067568	0.14486	0.04408258	0.34184	-0.02183	0.63797
0.47772	0.163492	0.00039	0.106601	0.02122	-0.0512895	0.26867	-0.11505	0.01285
0.25884	-0.16533	0.00033	-0.17221	0.00018	-0.2571274	1.73E-08	-0.27102	2.63E-09
0.26155	-0.17523	0.00014	-0.16501	0.00034	-0.1958089	2.03E-05	-0.17634	0.00013
0.28509	-0.1555	0.00075	-0.12762	0.00575	-0.2005426	1.26E-05	-0.20122	1.18E-05
0.12017	-0.20241	1.04E-05	-0.24429	8.98E-08	-0.3140168	3.81E-12	-0.27147	2.48E-09
0.05472	0.282071	5.44E-10	0.453581	4.46E-25	0.15120469	0.00105	-0.04715	0.30929
0.53154	-0.0348	0.45305	0.049475	0.28599	-0.004343	0.92543	-0.18385	6.43E-05
0.09421	0.07802	0.09217	0.006498	0.88862	-0.0218765	0.63725	0.023647	0.61024
0.12679	0.02299	0.62021	0.03469	0.45454	0.01864223	0.68782	0.011123	0.81053
0.88614	0.27713	1.11E-09	0.065836	0.15547	0.15310827	0.0009	0.112006	0.01545
0.51109	0.003458	0.94058	0.072795	0.11619	0.02583095	0.57766	-0.00561	0.90379
0.89129	-0.00732	0.87464	0.135812	0.00327	0.04480437	0.33398	0.144461	0.00175
1.61E-06	-0.07533	0.10399	-0.02289	0.62166	0.06994706	0.13121	0.046059	0.32061
0.7286	0.249565	4.62E-08	0.151612	0.00101	0.40697496	4.68E-20	0.339782	4.39E-14
3.30E-05	0.086298	0.06241	0.346916	1.18E-14	0.10984808	0.01756	0.016064	0.72916
0.19063	0.256579	1.86E-08	0.24362	9.76E-08	-0.1197074	0.00962	-0.25782	1.58E-08
0.1384	0.147322	0.00141	-0.10119	0.02878	-0.1901598	3.53E-05	-0.30385	1.97E-11
9.00E-11	-0.18019	9.02E-05	-0.11584	0.01224	0.00256727	0.95588	-0.08771	0.05823
2.12E-08	0.091682	0.04769	-0.04495	0.33239	0.10364539	0.0251	0.15944	0.00054
0.00022	0.14351	0.00188	-0.0247	0.59448	-0.1843911	6.11E-05	-0.16073	0.00049
0.4429	0.022822	0.62277	0.032699	0.48085	0.04154648	0.37036	-0.00044	0.9924
0.22385	-0.09485	0.04048	0.014038	0.76221	0.3185058	1.80E-12	0.158159	0.0006
3.53E-20	-0.02985	0.51989	-0.02773	0.55002	0.06073784	0.19011	0.120548	0.00912
0.52274	0.006591	0.88703	0.244783	8.45E-08	0.32834264	3.36E-13	0.130011	0.00489
0.73141	0.210869	4.30E-06	0.190088	3.56E-05	0.06144838	0.18497	-0.01315	0.77677
0.10762	0.054601	0.23893	0.14752	0.00139	0.12329585	0.00764	-0.02106	0.64993
0.09916	-0.05203	0.26185	0.070481	0.12828	0.23110208	4.43E-07	0.292171	1.21E-10
0.13245	0.158792	0.00057	0.066105	0.15379	0.08435722	0.06856	0.180044	9.14E-05
0.00029	0.092257	0.0463	-0.02023	0.66286	0.01599637	0.73026	0.04513	0.33048
9.81E-07	0.134872	0.0035	0.106007	0.02195	0.0655645	0.15719	0.074177	0.1094
0.06926	0.027596	0.55193	-0.03217	0.48795	-0.0875882	0.05858	-0.01493	0.74759
0.10127	0.022038	0.63477	-0.0387	0.40402	-0.0913025	0.04862	-0.09939	0.03176
0.034	0.027996	0.54617	-0.01489	0.7483	-0.106465	0.02139	-0.11818	0.01059
0.27112	-0.00011	0.99818	-0.01563	0.73627	-0.0575836	0.2142	-0.05116	0.2699

0.21	0.128868	0.00529	0.049654	0.28426	-0.0003202	0.99449	0.023169	0.61749
2.19E-07	0.046451	0.3165	0.003332	0.94276	0.00967082	0.83489	0.017324	0.70884
0.00906	-0.02489	0.59159	-0.10071	0.02955	-0.0142026	0.75952	0.069648	0.13287
0.50298	-0.159	0.00056	-0.22905	5.64E-07	0.17114072	0.0002	0.193156	2.64E-05
0.04201	0.161424	0.00046	0.086575	0.06157	0.03947496	0.39471	0.050964	0.27172
7.07E-09	-0.04254	0.35903	-0.11008	0.01732	0.02606731	0.57418	0.006836	0.88286
0.08126	0.236524	2.33E-07	0.017484	0.70629	0.07080746	0.12652	0.105068	0.02316
0.01241	0.144402	0.00176	0.067191	0.14713	0.11847445	0.01039	0.220305	1.53E-06
0.01412	-0.08541	0.06515	-0.16422	0.00037	-0.1671036	0.00029	-0.29375	9.52E-11
1.98E-05	0.087978	0.05746	0.210972	4.25E-06	0.20376956	9.07E-06	0.267927	4.05E-09
0.00537	0.160709	0.00049	0.079937	0.08442	-0.018612	0.6883	-0.03144	0.49787
0.01371	0.045775	0.32361	-0.03604	0.43711	-0.0007541	0.98703	0.036421	0.43233
0.67866	0.013383	0.773	-0.04293	0.35464	0.02023614	0.66271	0.022993	0.62017
0.21523	-0.13402	0.00371	0.009615	0.83583	0.14220887	0.00207	0.156114	0.00071
0.05885	0.165001	0.00034	-0.01968	0.67143	0.13785343	0.00283	0.216353	2.37E-06
0.20875	0.212552	3.59E-06	0.030956	0.50456	-0.1280353	0.00559	-0.22994	5.08E-07
1.49E-19	0.118498	0.01038	0.03165	0.49506	-0.1106592	0.01674	-0.09466	0.04089
0.05215	-0.13204	0.00426	-0.00668	0.88552	0.01278697	0.78286	-0.03883	0.40252
0.01713	0.137383	0.00293	0.433997	7.15E-23	0.17434428	0.00015	0.022212	0.6321
6.53E-16	-0.01064	0.81869	0.024215	0.60169	0.19675631	1.85E-05	0.203732	9.10E-06
0.01598	-0.04371	0.34599	-0.01871	0.68667	0.13203513	0.00426	0.11291	0.01464
1.10E-09	0.193152	2.64E-05	0.132803	0.00404	0.02660111	0.56636	0.040287	0.38505
0.20402	0.057245	0.21692	0.026198	0.57227	0.14169027	0.00215	0.220687	1.47E-06
0.00467	0.082983	0.0732	0.22148	1.34E-06	-0.1266829	0.00612	-0.06428	0.16547
0.02098	-0.01503	0.74596	-0.1268	0.00607	-0.1001212	0.03052	-0.08353	0.07134
0.99785	0.138517	0.0027	0.10303	0.02598	0.11893654	0.0101	0.096106	0.03788
0.02194	-0.18443	6.09E-05	-0.14945	0.0012	0.07694369	0.09676	0.091141	0.04902
0.00023	-0.19705	1.79E-05	-0.33015	2.45E-13	-0.0701411	0.13014	-0.08952	0.0532
0.55227	0.174492	0.00015	0.040632	0.38099	-0.0624776	0.17771	-0.04805	0.30012
1.41E-07	0.125122	0.00678	0.121578	0.00854	0.0885541	0.05584	0.167907	0.00027
0.80498	-0.25484	2.34E-08	-0.13186	0.00431	-0.0218557	0.63757	-0.14056	0.00233
0.00252	0.031568	0.49616	0.082615	0.07449	0.19740359	1.73E-05	0.068022	0.14218
0.11422	0.33621	8.36E-14	0.349545	7.24E-15	0.25948057	1.27E-08	0.230133	4.97E-07
0.00998	0.166695	0.0003	0.139655	0.00249	0.29841914	4.64E-11	0.215514	2.60E-06
7.15E-10	0.05751	0.21479	0.032222	0.48728	0.13142342	0.00444	0.103334	0.02555
0.03906	0.025448	0.58331	-0.0693	0.13482	0.15724509	0.00065	0.238386	1.86E-07
0.31969	0.0561	0.22627	-0.01646	0.72284	0.06386244	0.16827	0.038255	0.40949
0.00438	-0.05444	0.24034	-0.02328	0.61579	0.0902594	0.05126	0.156261	0.0007
1.22E-06	0.081584	0.0782	0.057413	0.21557	0.12011167	0.00937	0.098342	0.03362
0.73168	0.006146	0.89462	-0.00473	0.91885	-0.0530187	0.25284	-0.01335	0.77347
0.25654	0.059092	0.20242	0.008479	0.85499	-0.0211778	0.64804	0.00709	0.87855
0.85194	0.304449	1.80E-11	0.22009	1.57E-06	0.15787897	0.00062	0.190037	3.57E-05
2.45E-06	-0.06689	0.14895	0.040114	0.38709	0.34990205	6.77E-15	0.243891	9.44E-08
0.40764	0.128021	0.0056	0.019328	0.67698	-0.019209	0.67885	0.038378	0.40799
0.96769	-0.08504	0.06633	0.091071	0.0492	0.28778272	2.34E-10	0.188629	4.09E-05

0.97466	0.130363	0.00478	0.028574	0.53792	0.10157511	0.02817	0.104724	0.02362
0.48146	0.116151	0.01201	0.172104	0.00019	0.08516355	0.06594	0.077468	0.0945
0.03329	0.078112	0.09178	0.022104	0.63376	0.0537177	0.24663	0.032858	0.47872
0.59358	0.085628	0.06448	0.073196	0.11418	-0.0253153	0.58528	-0.00796	0.86373
8.45E-05	-0.31947	1.53E-12	-0.17773	0.00011	-0.0952609	0.03961	-0.1234	0.00759
5.38E-14	-0.20399	8.86E-06	-0.16051	0.0005	-0.0218706	0.63734	-0.00523	0.91029
3.25E-07	-0.32579	5.22E-13	-0.25108	3.80E-08	-0.1314423	0.00444	-0.07634	0.09943
0.00016	-0.29637	6.37E-11	-0.10361	0.02516	0.05288057	0.25408	0.084556	0.0679
0.00452	-0.16857	0.00025	-0.13384	0.00376	0.0253825	0.58428	-0.00078	0.98652
0.7819	-0.12949	0.00507	-0.01542	0.73954	-0.0381094	0.41128	-0.01117	0.80976
0.74468	-0.00193	0.96689	-0.05365	0.24724	-0.0230828	0.6188	0.07185	0.12101
0.03208	-0.07675	0.09759	-0.01048	0.82135	0.09453158	0.04116	0.096259	0.03758
0.9089	-6.61E-05	0.99886	-0.01682	0.7169	0.01774443	0.70212	0.025906	0.57656
0.00063	-0.01367	0.76819	0.020122	0.66449	0.10790752	0.01968	0.107274	0.02041
1.34E-05	-0.03191	0.49154	0.09423	0.04181	0.15397557	0.00084	0.256209	1.96E-08
0.00352	-0.19032	3.48E-05	-0.10814	0.01942	-0.0841183	0.06935	-0.18837	4.19E-05
2.15E-17	-0.00018	0.99699	0.006807	0.88336	0.04631066	0.31797	0.146702	0.00148
0.00234	-0.04874	0.29325	-0.18828	4.23E-05	-0.3716655	9.59E-17	-0.35831	1.36E-15
1.71E-07	0.151002	0.00106	0.253558	2.76E-08	0.14864679	0.00127	0.097157	0.03582
0.13512	0.275426	1.42E-09	0.155321	0.00076	0.15430385	0.00082	0.150005	0.00115
4.26E-11	0.117184	0.01127	0.000931	0.984	0.06966906	0.13275	0.072036	0.12005
0.02755	-0.02188	0.63722	-0.02237	0.62963	-0.0340981	0.46228	-0.09269	0.04528
0.81171	0.280733	6.61E-10	0.104325	0.02416	0.1878157	4.42E-05	0.047924	0.30139
0.17621	0.08063	0.08176	0.048974	0.29091	0.08768045	0.05831	0.092312	0.04618
1.41E-10	-0.06968	0.13268	0.003225	0.94458	0.11443427	0.01334	0.07222	0.1191
0.77444	0.121423	0.00862	-0.13891	0.00263	0.02579224	0.57823	-0.06318	0.17284
0.00481	-0.13883	0.00264	-0.2056	7.50E-06	-0.2055167	7.56E-06	-0.26253	8.44E-09
0.99406	0.051769	0.26422	0.068445	0.13971	0.06337635	0.17154	0.066334	0.15236
0.47435	0.065519	0.15748	-0.0427	0.35717	-0.00389	0.93318	0.05699	0.21898
5.38E-05	-0.07781	0.09303	-0.10736	0.02031	-0.0173979	0.70767	0.015986	0.73043
0.14965	0.062505	0.17751	0.027314	0.55601	0.06708141	0.14779	0.082323	0.07552
0.85997	0.065499	0.1576	0.018292	0.69339	0.05499498	0.23556	0.072601	0.11717
0.08571	-0.0288	0.53476	0.073049	0.11492	-0.0698181	0.13192	-0.07729	0.09526
0.00143	0.138284	0.00275	0.091076	0.04919	0.11393929	0.01375	0.164154	0.00037
0.03574	-0.16926	0.00024	-0.11172	0.01572	0.12857175	0.00539	0.256979	1.77E-08
0.65076	0.079214	0.08728	0.047297	0.30776	0.03227728	0.48654	0.042684	0.35738
0.01116	-0.16926	0.00024	-0.18006	9.12E-05	0.06713851	0.14744	0.194525	2.31E-05
2.67E-06	0.105257	0.02292	-0.06641	0.15189	-0.0457214	0.32417	-0.07947	0.08624
1.59E-07	0.034893	0.45189	0.180607	8.68E-05	0.44575442	3.53E-24	0.322813	8.70E-13
0.02715	-0.11593	0.01218	-0.05695	0.21932	0.1510764	0.00106	-0.03652	0.43109
0.00755	-0.08146	0.07864	-0.05475	0.23767	0.11932611	0.00985	0.149992	0.00115
0.0377	-0.17693	0.00012	-0.23308	3.51E-07	0.15323075	0.00089	-0.04148	0.37116
0.04757	-0.13701	0.00301	-0.17317	0.00017	0.04550463	0.32648	-0.11945	0.00978
0.22011	0.19447	2.32E-05	-0.03482	0.45286	0.09184252	0.0473	0.015199	0.74322
0.08973	0.27998	7.38E-10	0.091026	0.04931	0.00914131	0.84381	-0.01804	0.69743



0.02364	-0.03919	0.39819	0.050438	0.27671	0.04252629	0.35917	0.050221	0.27878
6.03E-06	0.220883	1.43E-06	0.154085	0.00084	0.08635988	0.06222	0.149634	0.00118
0.02922	-0.12583	0.00647	-0.08767	0.05833	0.02841056	0.54025	-0.11177	0.01568
0.02299	-0.18589	5.31E-05	-0.1526	0.00094	0.03696468	0.42548	0.104735	0.0236
0.00041	-0.1151	0.01281	-0.01914	0.67995	0.11977308	0.00958	0.097369	0.03542
0.76709	-0.08074	0.08132	-0.1412	0.00222	-0.1795363	9.57E-05	-0.20833	5.63E-06
8.72E-05	-0.09355	0.04331	-0.04196	0.36566	0.07032319	0.12914	0.11519	0.01274
0.05635	-0.00728	0.87535	0.024134	0.60291	0.10952784	0.0179	0.16128	0.00047
0.05326	0.161275	0.00047	0.025761	0.57869	-0.1328394	0.00403	-0.14602	0.00156
1.39E-05	-0.11596	0.01215	-0.09709	0.03596	-0.0488675	0.29196	-0.05526	0.23332
2.41E-09	0.018533	0.68955	-0.10743	0.02023	0.02235719	0.62987	0.082642	0.07439
0.64837	0.036586	0.43024	0.045733	0.32405	0.0819974	0.07669	0.086648	0.06135
0.85341	0.042469	0.35981	0.176276	0.00013	0.14139034	0.00219	0.07044	0.1285
0.26788	0.234252	3.05E-07	0.097053	0.03602	0.04455348	0.3367	0.116407	0.01182
0.03675	0.181887	7.71E-05	0.045062	0.3312	0.02055093	0.65779	0.079373	0.08664
0.18609	0.130308	0.0048	0.009171	0.84331	-0.277821	1.01E-09	-0.30585	1.44E-11
0.02501	-0.26127	1.00E-08	-0.31474	3.38E-12	-0.1378763	0.00283	-0.2119	3.85E-06
3.98E-09	0.045867	0.32263	0.076713	0.09776	0.40176281	1.53E-19	0.414307	8.53E-21
0.78916	0.015981	0.73051	0.124746	0.00695	0.16079726	0.00049	0.156405	0.00069
0.00316	0.089595	0.05301	0.101665	0.02803	0.16706708	0.00029	0.161633	0.00045
0.57221	-0.07968	0.08544	0.040984	0.37687	0.07654821	0.09849	0.109757	0.01766
0.63301	0.055801	0.22875	0.004527	0.92228	0.04064785	0.3808	0.023658	0.61008
0.9725	0.255325	2.20E-08	0.109481	0.01795	0.06730712	0.14643	0.052728	0.25545
6.15E-05	-0.09878	0.03283	0.001024	0.98239	-0.0170252	0.71365	-0.09186	0.04726
0.05098	-0.11151	0.01592	0.022987	0.62026	0.07621538	0.09997	-0.05184	0.26354
0.00064	-0.04548	0.3267	0.039071	0.39957	-0.1060439	0.02191	-0.14388	0.00183
0.08546	0.311901	5.39E-12	0.192715	2.76E-05	0.13180872	0.00433	0.15527	0.00076
0.08364	0.212057	3.78E-06	0.125375	0.00667	0.06254683	0.17723	0.009726	0.83397
0.00037	0.173654	0.00016	0.097224	0.0357	0.02581023	0.57796	0.01661	0.72033
0.67609	-0.26185	9.25E-09	-0.24075	1.39E-07	-0.2027419	1.01E-05	-0.21165	3.95E-06
0.27141	0.031671	0.49477	0.02611	0.57355	0.07146093	0.12305	0.08272	0.07412
0.01575	-0.19676	1.85E-05	-0.15382	0.00085	0.06641426	0.15187	-0.00323	0.94443
0.00354	0.16791	0.00027	0.146314	0.00152	-0.0567646	0.2208	-0.06867	0.13839
0.4652	0.046487	0.31613	-0.04157	0.37005	-0.0339879	0.46372	-0.00703	0.87956
0.8002	0.191302	3.16E-05	0.095227	0.03968	0.06882932	0.13749	0.036356	0.43316
0.89618	0.103394	0.02546	0.030315	0.51343	0.06117529	0.18693	0.11875	0.01022
0.07579	0.096118	0.03786	0.015481	0.73864	-0.0109378	0.81363	0.009849	0.8319
0.98691	0.258889	1.37E-08	0.016805	0.71719	-0.2082102	5.70E-06	-0.28118	6.20E-10
0.753	0.10708	0.02064	0.161502	0.00046	0.09065123	0.05026	-0.15037	0.00112
0.21563	-0.03069	0.50827	-0.07441	0.10831	-0.0036821	0.93675	-0.04191	0.36614
0.01395	-0.086	0.06331	-0.05921	0.20148	0.00995709	0.83008	0.045259	0.32909
0.00023	-0.15549	0.00075	-0.03264	0.48171	0.05938873	0.20016	0.021432	0.64411
0.00013	0.034677	0.45471	-0.00976	0.83346	0.06452893	0.16386	0.112166	0.0153
0.10908	0.087106	0.05999	-0.01056	0.81995	0.04912715	0.2894	0.088212	0.05679
0.00213	-0.00368	0.93677	-0.19345	2.56E-05	-0.143059	0.00194	-0.11396	0.01373

5.10E-11	-0.04071	0.38011	0.078909	0.08851	0.23073047	4.63E-07	0.291496	1.34E-10
1.74E-06	0.169623	0.00023	0.277289	1.09E-09	0.40701184	4.64E-20	0.289812	1.73E-10
6.28E-09	-0.03921	0.39785	-0.00303	0.94786	0.11861211	0.01031	0.037496	0.41885
0.03777	-0.00684	0.88276	-0.1183	0.01051	-0.0121807	0.79291	0.11279	0.01474
0.02903	0.041368	0.37242	-0.01397	0.76338	0.16362945	0.00038	0.117605	0.01097
0.01282	-0.07223	0.11907	0.023361	0.61458	0.16140898	0.00046	0.238276	1.88E-07
0.25291	-0.02734	0.55561	-0.13346	0.00386	-0.1376177	0.00288	-0.07449	0.10789
0.62437	-0.00148	0.97457	-0.0131	0.77774	-0.0073868	0.87351	0.033337	0.47233
0.00268	0.074252	0.10904	0.070286	0.12934	-0.0893537	0.05365	-0.08383	0.07032
0.05255	0.139376	0.00254	-0.0713	0.12388	-0.130361	0.00478	-0.18265	7.19E-05
1.42E-11	0.075693	0.10232	0.019915	0.66774	0.05867917	0.2056	0.02362	0.61066
4.92E-06	-0.02479	0.59308	-0.02795	0.54684	0.18094109	8.42E-05	0.207526	6.13E-06
0.12412	0.081811	0.07737	0.061755	0.18279	0.08523457	0.06572	0.086628	0.06141
0.00016	0.012083	0.79453	-0.10243	0.02687	-0.1206705	0.00905	-0.08097	0.08047
6.21E-06	-0.21843	1.89E-06	-0.08018	0.0835	0.17453475	0.00015	0.258829	1.38E-08
0.23457	0.157804	0.00062	0.15899	0.00056	0.15586472	0.00073	0.22961	5.28E-07
5.09E-05	-0.05576	0.22914	0.063295	0.17209	0.13966807	0.00249	0.132963	0.004
3.28E-14	0.017659	0.70349	0.102544	0.0267	-0.0220751	0.6342	-0.16789	0.00027
0.18507	0.035804	0.44017	-0.01949	0.67448	-0.0365943	0.43014	-0.05112	0.2703
2.44E-11	0.041008	0.3766	0.092955	0.04467	0.36934338	1.53E-16	0.339059	5.01E-14
0.79812	-0.00966	0.83508	-0.2572	1.72E-08	-0.2673819	4.36E-09	-0.20029	1.29E-05
0.29555	0.069304	0.1348	-0.16922	0.00024	-0.1418766	0.00212	-0.147	0.00145
0.03164	0.290836	1.48E-10	0.132197	0.00421	-0.009181	0.84314	0.041896	0.36634
0.2325	-0.13438	0.00362	-0.10546	0.02265	-0.0298499	0.51992	-0.16785	0.00027
8.34E-05	0.061678	0.18333	-0.00819	0.85982	-0.1665537	0.0003	-0.20602	7.18E-06
0.9712	0.028183	0.5435	-0.0619	0.18174	-0.0333915	0.47161	0.001295	0.97774
0.9862	-0.01901	0.68201	-0.35042	6.14E-15	-0.3028926	2.30E-11	-0.24216	1.17E-07
0.31365	-0.081	0.08035	-0.10177	0.02787	0.02910782	0.53035	0.051712	0.26474
0.10633	-0.04444	0.33789	-0.06926	0.13505	-0.1376756	0.00287	-0.14407	0.0018
0.48132	-0.11769	0.01092	0.148375	0.0013	0.1973443	1.74E-05	0.133184	0.00394
2.38E-05	0.093984	0.04235	0.105477	0.02263	0.08036848	0.08275	0.153253	0.00089
1.62E-06	0.059306	0.20079	0.185462	5.53E-05	0.32458817	6.42E-13	0.245787	7.45E-08
0.83052	0.144194	0.00178	0.350225	6.37E-15	0.00878961	0.84975	0.038125	0.41109
0.00709	-0.02553	0.58212	-0.22352	1.06E-06	-0.0654637	0.15783	-0.16196	0.00044
0.41581	-0.21085	4.31E-06	-0.45281	5.49E-25	-0.2269532	7.19E-07	-0.22937	5.43E-07
0.00202	-0.19263	2.78E-05	-0.41285	1.20E-20	-0.0920573	0.04678	-0.01865	0.68774
0.00134	0.16008	0.00052	0.136621	0.00309	-0.1191871	0.00994	-0.13347	0.00386
0.00031	0.020149	0.66407	-0.0743	0.10882	-0.2364223	2.35E-07	-0.28527	3.41E-10
0.74831	0.023614	0.61074	-0.1258	0.00648	-0.0432864	0.35064	-0.14402	0.00181
0.07185	0.063884	0.16813	0.011726	0.80048	-0.1191536	0.00996	-0.18478	5.89E-05
0.01683	-0.01098	0.81285	0.027825	0.54863	0.02238093	0.62951	-0.02359	0.61105
0.95652	-0.00698	0.88037	0.003583	0.93844	0.30311171	2.22E-11	0.159884	0.00052
4.27E-06	0.246235	7.04E-08	0.25064	4.03E-08	0.36265532	5.81E-16	0.263635	7.27E-09
0.19639	-0.01428	0.75831	-0.06319	0.17282	0.03236624	0.48533	0.055932	0.22766
0.28917	-0.27698	1.13E-09	-0.19577	2.04E-05	-0.0264284	0.56889	0.066557	0.15099

0.00413	0.146228	0.00153	0.001697	0.97082	0.04126518	0.37361	0.167807	0.00027
0.47221	-0.03693	0.42588	-0.07493	0.10585	0.04337383	0.34966	0.046752	0.31338
0.01054	0.124925	0.00687	0.14858	0.00128	-0.0286822	0.53638	-0.20784	5.92E-06
0.8767	-0.00664	0.88615	-0.07941	0.08651	0.01188385	0.79785	0.046338	0.31769
0.02627	0.019595	0.67276	0.288456	2.12E-10	0.24073763	1.39E-07	0.121931	0.00835
0.16271	0.156508	0.00069	0.043818	0.34474	0.05838699	0.20787	-0.0635	0.17067
0.04975	-0.06944	0.134	-0.06281	0.17541	0.29123699	1.40E-10	0.363656	4.77E-16
0.00443	-0.06441	0.16465	-0.15599	0.00072	-0.0834141	0.07172	-0.10159	0.02815
0.00032	0.055293	0.23303	-0.09217	0.04651	-0.0300558	0.51704	0.036005	0.43761
0.14023	-0.01566	0.73569	0.094818	0.04055	0.22942105	5.40E-07	0.262515	8.46E-09
7.50E-08	0.169369	0.00024	0.098284	0.03372	-0.0579414	0.21137	-0.09764	0.0349
2.52E-05	0.099226	0.03205	0.050461	0.27649	0.0628998	0.17479	0.044633	0.33584
0.26171	-0.07005	0.13064	-0.06277	0.1757	0.01662381	0.72011	0.083122	0.07272
0.10754	0.0212	0.6477	-0.0273	0.5562	-0.0308308	0.50629	-0.08489	0.06683
0.21569	0.053561	0.24801	0.318996	1.66E-12	0.39476668	7.25E-19	0.224793	9.21E-07
0.00334	0.014115	0.76096	0.141379	0.0022	-0.0132055	0.77593	0.065203	0.1595
0.15166	0.070384	0.12881	-0.03261	0.48199	0.01784271	0.70055	0.058182	0.20947
0.02533	0.165335	0.00033	0.235369	2.67E-07	0.2153443	2.65E-06	0.094057	0.04219
3.84E-07	0.230523	4.75E-07	0.158626	0.00058	0.18683799	4.85E-05	0.272182	2.24E-09
0.61932	0.096302	0.03749	0.173088	0.00017	0.25143898	3.63E-08	0.12819	0.00553
0.70316	-0.07063	0.12747	-0.29993	3.66E-11	-0.2123113	3.68E-06	-0.21686	2.24E-06
0.28504	0.135477	0.00335	-0.01232	0.79062	0.02828176	0.54209	0.054986	0.23563
0.08674	-0.12424	0.00719	0.082077	0.07641	0.11507312	0.01283	-0.10992	0.0175
1.12E-07	-0.0501	0.27995	-0.13126	0.00449	0.01020894	0.82585	0.078616	0.0897
0.06773	-0.12823	0.00552	-0.02741	0.55459	-0.0034592	0.94057	-0.06048	0.19198
0.06903	0.17211	0.00019	0.151279	0.00104	0.04947906	0.28595	0.015321	0.74123
0.39366	-0.16661	0.0003	-0.08803	0.05731	0.04547612	0.32678	-0.16995	0.00022
0.49059	0.02948	0.52511	-0.06081	0.18957	0.02592477	0.57628	0.008369	0.85685
0.00733	0.144497	0.00174	0.042108	0.36392	-0.0481806	0.2988	-0.09485	0.04047
0.05695	0.104277	0.02422	0.066393	0.152	0.08171443	0.07772	0.207864	5.91E-06
2.15E-07	0.102693	0.02648	0.024249	0.60118	0.07089648	0.12604	0.06351	0.17063
0.94236	-0.2295	5.35E-07	0.105746	0.02228	0.36739992	2.27E-16	0.233435	3.37E-07
0.13366	-0.00275	0.9527	0.156795	0.00067	0.26424074	6.70E-09	0.04806	0.30002
1.47E-08	0.150594	0.0011	0.083508	0.0714	-0.1138566	0.01382	-0.09166	0.04774
0.01212	0.138655	0.00267	0.038341	0.40844	0.0604657	0.19211	0.122878	0.00785
7.77E-16	-0.0425	0.35943	-0.22559	8.41E-07	-0.0906521	0.05025	-0.03796	0.41308
0.96573	-0.02292	0.62121	-0.01445	0.75546	0.17212578	0.00019	0.152388	0.00095
1.77E-05	0.12238	0.00811	0.050302	0.278	0.07738425	0.09486	-0.05103	0.27111
0.61712	-0.05538	0.23228	-0.06839	0.14004	0.02117487	0.64809	-0.01716	0.71142
0.00063	0.077757	0.09327	0.051016	0.27123	0.01796931	0.69853	-0.09356	0.0433
0.00816	-0.08052	0.08219	-0.08968	0.05278	-0.0427076	0.35712	-0.07004	0.13072
0.47314	-0.04911	0.28954	-0.09924	0.03202	-0.0187723	0.68576	0.036155	0.4357
0.21184	-0.02143	0.64411	-0.05895	0.20352	-0.1140919	0.01363	-0.10433	0.02415
0.01119	0.224333	9.71E-07	0.137485	0.00291	0.04556278	0.32586	0.028945	0.53265
0.00019	0.059167	0.20185	0.004483	0.92303	-0.0351746	0.44826	-0.06041	0.19253

0.01304	0.262071	8.98E-09	0.145405	0.00163	0.07046474	0.12837	0.135971	0.00324
0.90578	0.054439	0.24033	-0.02586	0.57723	9.55E-05	0.99836	0.056719	0.22118
0.01015	-0.04201	0.36505	0.011128	0.81046	0.13418459	0.00367	0.140307	0.00237
0.45711	-0.08784	0.05786	-0.06168	0.18334	-0.0459249	0.32202	-0.07227	0.11885
0.12466	-0.06446	0.16434	-0.07237	0.11834	0.07892609	0.08844	0.132069	0.00425
0.14918	0.266867	4.68E-09	0.189343	3.82E-05	0.1239635	0.00732	0.005661	0.90289
1.05E-07	0.144381	0.00176	0.188925	3.98E-05	0.27385312	1.77E-09	0.177451	0.00012
0.07359	0.1682	0.00026	0.019755	0.67024	-0.0567126	0.22123	-0.02919	0.52918
2.78E-20	0.195387	2.12E-05	0.202974	9.84E-06	0.2121344	3.75E-06	0.298714	4.43E-11
0.7859	0.016412	0.72354	-0.03314	0.47494	-0.0126451	0.78521	0.004911	0.91571
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0.48112	0.017661	0.70346	-0.04547	0.32683	0.0732858	0.11374	0.071993	0.12027
1.83E-17	0.124776	0.00694	0.019398	0.67586	0.16512773	0.00034	0.271138	2.59E-09
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0.03427	0.002954	0.94924	-0.25687	1.79E-08	-0.1511645	0.00105	-0.0986	0.03316
5.57E-09	-0.03406	0.46283	-0.06116	0.18701	-0.0310437	0.50335	-0.14159	0.00216
0.04092	0.220326	1.53E-06	0.093372	0.04372	0.08774925	0.05811	0.169901	0.00023
0.10779	0.072215	0.11913	0.061067	0.18772	0.16285641	0.00041	0.168034	0.00026
0.01366	0.158012	0.00061	0.103626	0.02513	0.14965661	0.00118	0.199272	1.44E-05
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0.33026	-0.06665	0.15039	-0.09013	0.0516	0.34545766	1.55E-14	0.293097	1.05E-10
0.09171	-0.02164	0.64084	-0.02498	0.59027	-0.0349586	0.45105	-0.02296	0.6207
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0.1963	0.261913	9.17E-09	0.065875	0.15523	0.05996707	0.19581	0.143747	0.00184
0.63437	0.059034	0.20287	0.050194	0.27904	0.14710681	0.00143	0.255337	2.19E-08
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0.01086	0.081762	0.07755	0.068071	0.14189	0.08767771	0.05832	0.146322	0.00152
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1.95E-11	-0.00026	0.99554	0.004876	0.91631	0.07737216	0.09491	0.128537	0.00541
0.48969	0.09427	0.04172	0.008283	0.85831	-0.1123126	0.01517	-0.10264	0.02656
0.18621	0.074714	0.10685	-0.09893	0.03256	-0.1846922	5.94E-05	-0.21821	1.93E-06
0.21656	0.22953	5.33E-07	0.123729	0.00743	0.02374508	0.60877	0.11095	0.01646
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0.48625	0.250093	4.32E-08	0.320489	1.29E-12	0.1529275	0.00091	0.112881	0.01466
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0.19722	0.004582	0.92133	-0.07221	0.11916	-0.2460165	7.24E-08	-0.21219	3.73E-06
0.28538	0.05779	0.21256	0.045572	0.32576	-0.1755059	0.00014	-0.1064	0.02146
0.2567	0.053977	0.24435	-0.07723	0.09553	-0.0549448	0.23599	0.02647	0.56827
0.2246	-0.02501	0.5898	-0.21034	4.54E-06	-0.1658747	0.00032	-0.19469	2.27E-05
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1.06E-10	-0.04977	0.28316	0.106799	0.02098	0.22581014	8.20E-07	0.23669	2.28E-07
0.79387	0.13891	0.00263	-0.05352	0.2484	-0.1884678	4.15E-05	-0.06987	0.13163
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0.00319	-0.19882	1.50E-05	0.126951	0.00601	0.10319065	0.02575	-0.02026	0.66235
2.98E-07	-0.12106	0.00882	-0.12946	0.00508	-0.0535012	0.24854	-0.02571	0.57942
0.13492	0.049296	0.28774	-0.00245	0.95789	-0.0139187	0.76418	0.009344	0.84039
0.11745	0.048536	0.29525	0.046068	0.32051	-0.0048967	0.91595	-0.05363	0.24742
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4.04E-05	0.212755	3.51E-06	0.032042	0.48971	-0.2620361	9.02E-09	-0.16232	0.00043
0.18347	-0.06898	0.13664	-0.03969	0.39217	0.09317105	0.04417	0.08025	0.08321
0.29449	0.116466	0.01178	0.226221	7.82E-07	0.18695294	4.80E-05	0.201939	1.09E-05
8.11E-18	-0.13353	0.00384	-0.12729	0.00588	0.00503999	0.9135	0.029589	0.52358
0.00013	0.114351	0.01341	0.174949	0.00014	-0.179303	9.78E-05	-0.18994	3.61E-05
0.00985	0.132621	0.00409	0.024718	0.59416	-0.0829359	0.07337	-0.12714	0.00593
0.00012	-0.20697	6.50E-06	-0.02997	0.51819	-0.1279759	0.00561	-0.21318	3.35E-06
1.99E-05	-0.04363	0.34681	0.334352	1.17E-13	0.40440618	8.40E-20	0.258154	1.51E-08
0.39757	-0.08413	0.0693	0.095037	0.04008	-0.0761677	0.10018	-0.12002	0.00943
0.00166	0.176945	0.00012	0.153096	0.0009	-0.0737389	0.11152	-0.20113	1.19E-05
1.67E-16	0.082847	0.07368	-0.01796	0.69869	0.15884223	0.00057	0.269594	3.21E-09
0.6576	0.026671	0.56534	-0.04527	0.329	0.02200551	0.63527	0.023884	0.60667
0.42172	0.161914	0.00044	0.276453	1.22E-09	-0.0082973	0.85807	-0.1119	0.01555
0.128	0.05504	0.23518	-0.13954	0.00251	-0.0734749	0.11281	-0.00905	0.84531
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0.15491	0.180639	8.65E-05	0.100194	0.0304	0.00321146	0.94482	-0.00723	0.87624
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0.04129	-0.11818	0.01059	-0.01685	0.71643	0.14182175	0.00213	0.150852	0.00108
0.04825	-0.02523	0.58649	-0.07028	0.12939	0.10227509	0.0271	0.178422	0.00011
0.79596	0.124884	0.00689	0.213771	3.14E-06	0.19002766	3.58E-05	0.18811	4.30E-05
0.60289	0.117473	0.01107	0.070948	0.12576	0.00284316	0.95114	0.031691	0.49449
0.69076	0.221912	1.28E-06	0.221415	1.35E-06	0.15420606	0.00083	0.199046	1.47E-05
0.70258	0.089085	0.05438	-0.0249	0.59146	-0.1255187	0.00661	-0.0939	0.04253
0.26426	0.221662	1.31E-06	0.090795	0.04989	-0.0011071	0.98096	0.017085	0.7127
1.02E-07	-0.06467	0.16295	0.048318	0.29743	0.34107707	3.47E-14	0.307195	1.16E-11
0.78024	0.171358	0.0002	0.168667	0.00025	0.13098336	0.00458	0.089661	0.05283
0.31357	0.197535	1.71E-05	0.05838	0.20792	-0.0562101	0.22535	-0.03532	0.44637
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2.05E-07	-0.00384	0.93404	-0.05437	0.2409	0.15460819	0.0008	0.178952	0.0001
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4.86E-14	0.161962	0.00044	0.137008	0.00301	0.11464966	0.01317	0.107373	0.02029
0.50324	-0.12855	0.0054	-0.11423	0.01351	0.02823452	0.54276	0.019329	0.67695
6.41E-09	0.005249	0.90994	-0.01207	0.79479	0.01292356	0.7806	0.010393	0.82275
1.97E-09	0.010824	0.81553	0.023338	0.61492	0.03670379	0.42876	0.03964	0.39274
0.46062	0.041342	0.37272	0.051121	0.27025	0.02989659	0.51926	0.025394	0.58411
0.44128	0.068464	0.1396	-0.04737	0.30705	-0.0215322	0.64256	-0.00103	0.98229
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0.27479	0.073546	0.11246	-0.02448	0.59775	0.04633414	0.31773	0.086979	0.06036
0.33514	0.071578	0.12243	-0.01465	0.75216	-0.0125757	0.78636	0.029521	0.52453
0.8311	0.050798	0.27329	0.012364	0.78987	-0.029032	0.53142	0.02433	0.59997

0.01514	-0.03925	0.39738	-0.10385	0.02481	-0.1124919	0.01501	-0.04514	0.33042
0.13348	-0.16	0.00052	-0.08146	0.07864	0.03965831	0.39252	-0.15751	0.00064
0.23328	0.005117	0.91218	-0.07911	0.08771	-0.0404614	0.38299	0.025065	0.58899
0.82785	0.057875	0.21189	0.084739	0.06731	0.26007369	1.17E-08	0.258755	1.40E-08
0.80137	0.111828	0.01562	0.021124	0.64889	-0.0167462	0.71814	0.050782	0.27344
0.85072	0.024332	0.59994	0.018614	0.68827	0.02010276	0.66479	0.032486	0.48373
0.30882	0.069221	0.13526	-0.02636	0.56994	-0.0274369	0.55423	-0.0351	0.44926
0.80657	0.000558	0.9904	0.00737	0.87379	0.01694342	0.71497	0.031781	0.49326
0.22628	-0.01974	0.67043	-0.218	1.98E-06	-0.1646244	0.00035	-0.11119	0.01623
0.00151	-0.05307	0.2524	-0.16997	0.00022	-0.0990388	0.03237	-0.08149	0.07855
0.22444	0.077979	0.09234	0.035754	0.44081	-0.0299446	0.51859	-0.18322	6.82E-05
3.50E-05	-0.04544	0.32716	-0.01343	0.77219	0.07522801	0.10445	0.18638	5.07E-05
0.01413	0.140775	0.00229	0.08403	0.06964	-0.115488	0.01251	-0.1677	0.00027
0.17292	0.349762	6.95E-15	0.197168	1.77E-05	0.04556835	0.3258	0.110786	0.01662
0.50407	0.004626	0.92058	-0.01189	0.79783	0.02715958	0.55824	0.066271	0.15276
3.53E-06	-0.02635	0.57004	0.236367	2.37E-07	0.38202722	1.12E-17	0.297871	5.05E-11
0.99471	0.152326	0.00096	0.025693	0.57969	0.00026248	0.99549	-0.01905	0.68137
0.07937	0.053146	0.2517	0.005776	0.90092	-0.0024734	0.95749	-0.05113	0.27018
0.4967	-0.06267	0.1764	-0.03252	0.48325	0.01510674	0.74472	0.038979	0.40068
0.12561	0.322748	8.80E-13	0.499611	7.42E-31	0.58160794	1.29E-43	0.335673	9.21E-14
2.23E-06	-0.00639	0.89054	0.136148	0.0032	0.27519389	1.46E-09	0.165426	0.00033
0.07772	-0.0013	0.97761	-0.04878	0.29285	-0.072141	0.11951	-0.09477	0.04064
0.52797	0.079132	0.08761	0.040604	0.38132	-0.1270389	0.00598	-0.12343	0.00758
0.57055	0.012443	0.78856	-0.11562	0.01241	-0.131286	0.00449	-0.04387	0.34419
0.26227	-0.12692	0.00602	-0.01219	0.79282	0.13064684	0.00469	0.081773	0.07751
0.01549	-0.00439	0.92461	-0.08412	0.06934	-0.0750159	0.10544	-0.06571	0.15625
0.93693	0.080508	0.08222	0.071146	0.12471	0.14041646	0.00236	0.216627	2.30E-06
3.25E-05	0.074417	0.10825	0.1549	0.00078	0.22250853	1.19E-06	0.261595	9.57E-09
0.09882	0.045129	0.33049	-0.0098	0.83272	-0.0218739	0.63729	0.018528	0.68963
0.00704	-0.02051	0.65845	0.07644	0.09897	-0.153149	0.0009	-0.27001	3.03E-09
0.19796	0.198355	1.57E-05	0.103539	0.02525	0.19644884	1.91E-05	0.286413	2.87E-10
4.23E-18	0.113403	0.01421	0.108228	0.01931	0.33058988	2.27E-13	0.355569	2.31E-15
0.93853	0.26669	4.80E-09	0.162147	0.00043	0.02803594	0.54561	0.047453	0.30617
0.15763	0.319773	1.46E-12	0.183668	6.54E-05	0.11825027	0.01054	0.106486	0.02136
0.00822	0.103165	0.02579	-0.08659	0.06151	-0.0092209	0.84247	-0.08101	0.08031
0.00055	-0.03826	0.40946	-0.07791	0.09263	-0.0293572	0.52683	0.080161	0.08355
4.90E-06	0.05061	0.27507	0.305422	1.54E-11	0.26841151	3.78E-09	0.218581	1.85E-06
0.14805	0.12893	0.00526	0.103066	0.02593	0.33479756	1.08E-13	0.212329	3.67E-06
0.74481	0.121482	0.00859	0.178357	0.00011	0.24014245	1.50E-07	0.129497	0.00507
0.00619	-0.21413	3.02E-06	-0.29515	7.68E-11	-0.2023015	1.05E-05	-0.18997	3.60E-05
0.04406	0.024978	0.5903	0.173264	0.00017	0.21469956	2.84E-06	0.214447	2.92E-06
4.15E-06	-0.18849	4.15E-05	-0.11683	0.01152	-0.0628039	0.17545	-0.09979	0.03109
0.08385	-0.03919	0.39812	-0.11813	0.01062	-0.0553742	0.23234	-0.01956	0.6733
0.13667	0.186042	5.23E-05	0.375079	4.77E-17	0.34474867	1.77E-14	0.298402	4.65E-11
0.86143	-0.00078	0.98656	-0.01447	0.75518	-0.0382876	0.40909	-0.03635	0.43318

0.16344	0.122268	0.00817	0.056368	0.22405	0.12132348	0.00868	0.087031	0.0602
0.01111	0.276178	1.27E-09	0.141257	0.00222	0.01649809	0.72214	0.000307	0.99473
0.00103	-0.13636	0.00315	-0.07925	0.08713	0.26819226	3.90E-09	0.068256	0.14081
0.26597	-0.05392	0.24485	-0.14816	0.00132	0.03506791	0.44963	-0.01592	0.73151
0.00033	0.193836	2.47E-05	0.036096	0.43645	-0.0989777	0.03248	-0.11958	0.0097
1.07E-07	-0.03129	0.50003	-0.01744	0.70703	0.02416057	0.60251	0.036632	0.42967
0.19245	0.061409	0.18525	0.073864	0.11091	0.07344104	0.11297	0.010674	0.81805
0.55106	0.109197	0.01825	0.066013	0.15437	0.06403024	0.16715	0.059712	0.19772
0.51465	0.042731	0.35686	-0.07302	0.11507	-0.0302221	0.51472	0.036009	0.43756
0.33135	0.100391	0.03007	0.058452	0.20736	0.0215328	0.64255	0.045823	0.3231
0.78181	0.075333	0.10397	0.035136	0.44875	0.02446708	0.59792	0.03388	0.46515
0.19346	0.209546	4.95E-06	0.275753	1.35E-09	-0.0146518	0.75216	-0.02967	0.52238
0.6899	-0.07688	0.09704	-0.04645	0.31648	0.11716247	0.01128	0.173067	0.00017
0.91902	0.057757	0.21283	0.122612	0.00799	0.0727655	0.11634	0.011555	0.80333
0.00435	-0.00115	0.98019	0.112316	0.01517	0.31792924	1.99E-12	0.354968	2.59E-15
0.00186	-0.07834	0.09082	0.248708	5.15E-08	0.16088597	0.00048	-0.0492	0.28871
0.02645	0.133643	0.00381	0.098964	0.0325	0.0903756	0.05096	0.119284	0.00988
0.0001	0.099123	0.03222	0.061164	0.18702	0.00109793	0.98112	0.067528	0.1451
8.79E-09	0.202579	1.02E-05	0.089697	0.05274	0.12165724	0.00849	0.10925	0.01819
0.06047	0.198947	1.48E-05	0.034272	0.45999	0.01329259	0.7745	0.01139	0.80608
0.1398	0.032277	0.48654	0.05095	0.27185	0.16131107	0.00047	0.226088	7.94E-07
0.06702	-0.01053	0.82042	0.015059	0.74551	0.02040963	0.66	0.065224	0.15936
0.01204	0.002239	0.96151	0.080029	0.08406	0.11580485	0.01227	0.104724	0.02362
0.87154	-0.02821	0.54307	-0.39426	8.11E-19	-0.417839	3.70E-21	-0.3517	4.82E-15
2.38E-06	0.021541	0.64242	0.18142	8.05E-05	0.10895715	0.01851	-0.06026	0.19364
0.2434	0.237044	2.18E-07	0.038854	0.40219	0.01497677	0.74685	0.07371	0.11166
0.0299	-0.29899	4.24E-11	-0.17163	0.00019	0.24179049	1.22E-07	0.183058	6.92E-05
0.64385	-0.0431	0.35267	-0.08632	0.06234	-0.0292193	0.52878	0.022136	0.63326
0.00018	0.116205	0.01197	0.082675	0.07428	0.16900487	0.00024	0.251964	3.40E-08
0.00979	0.301436	2.89E-11	0.201425	1.15E-05	0.034965	0.45097	0.080887	0.08078
0.95367	-0.08506	0.06627	0.049698	0.28383	0.15098202	0.00106	0.095285	0.03956
0.74338	0.182001	7.63E-05	0.375156	4.70E-17	0.31807256	1.94E-12	0.127145	0.00593
0.21155	0.067718	0.14398	0.501395	4.25E-31	0.32461188	6.39E-13	0.093383	0.04369
0.53353	0.29377	9.49E-11	0.40166	1.56E-19	0.29769612	5.19E-11	0.026903	0.56196
0.09343	-0.00835	0.85716	-0.04107	0.3759	0.0902455	0.0513	0.171926	0.00019
6.45E-09	-0.02584	0.57753	0.041173	0.37467	0.11022751	0.01718	0.128222	0.00552
4.17E-06	0.188883	3.99E-05	0.227835	6.49E-07	-0.0919467	0.04705	-0.24158	1.26E-07
0.2126	0.139085	0.00259	0.067508	0.14522	0.04606549	0.32054	0.195934	2.01E-05
0.20067	-0.02054	0.65798	-0.14012	0.00241	-0.1387414	0.00266	-0.10624	0.02166
2.33E-06	-0.04149	0.37096	-0.11529	0.01266	-0.0434525	0.34879	0.01512	0.74451
0.02997	0.061086	0.18758	0.016145	0.72785	0.01612349	0.7282	0.013561	0.77007
0.80702	-0.18793	4.37E-05	0.000111	0.99809	-0.0658603	0.15532	-0.23389	3.19E-07
0.00366	0.358231	1.38E-15	0.120923	0.0089	0.16365283	0.00038	0.2443	8.97E-08
4.34E-13	-0.01146	0.80487	-0.00175	0.96999	0.08737372	0.0592	0.050043	0.28049
0.26419	0.109546	0.01788	-0.07188	0.12087	-0.1005606	0.02979	-0.08202	0.07663

0.01514	0.036532	0.43092	-0.22335	1.09E-06	-0.2061912	7.05E-06	-0.21428	2.97E-06
0.02627	0.118087	0.01065	-0.04495	0.33238	0.20671526	6.67E-06	0.226383	7.68E-07
0.8736	0.236207	2.42E-07	0.125772	0.0065	0.12455925	0.00704	-0.04952	0.2856
0.02073	0.133959	0.00373	0.033532	0.46974	0.0453454	0.32817	0.13664	0.00309
0.00063	0.04714	0.30937	-0.04613	0.31985	-0.0847035	0.06742	-0.15051	0.0011
0.8148	0.056994	0.21894	-0.22447	9.56E-07	-0.1718783	0.00019	-0.13018	0.00484
0.31489	0.062825	0.1753	-0.01794	0.699	-0.1320427	0.00426	-0.12784	0.00567
0.04942	0.065323	0.15873	-0.16678	0.00029	-0.0853949	0.06521	0.025555	0.58173
0.46085	0.105705	0.02234	0.041724	0.36831	0.04871391	0.29348	0.072319	0.1186
0.0266	-0.10863	0.01886	-0.16091	0.00048	-0.1279846	0.00561	-0.20371	9.12E-06
0.00012	0.091548	0.04802	-0.10858	0.01892	-0.0974294	0.03531	-0.09775	0.03471
0.11917	0.026102	0.57367	0.03537	0.44574	0.05585906	0.22827	0.112708	0.01481
0.00651	0.079721	0.08527	0.004611	0.92084	-0.0485493	0.29512	0.011447	0.80513
0.10586	0.177591	0.00011	0.21087	4.30E-06	0.14047185	0.00235	-0.0918	0.0474
0.03636	-0.20775	5.98E-06	-0.16751	0.00028	-0.0550208	0.23534	-0.09994	0.03082
4.44E-07	-0.15053	0.0011	0.043749	0.34551	0.05805916	0.21044	-0.01741	0.70751
0.00241	0.138318	0.00274	0.114717	0.01312	0.11185288	0.01559	0.071233	0.12425
6.60E-10	0.083665	0.07086	0.050911	0.27222	0.15781298	0.00062	0.162969	0.00041
0.46148	-0.0552	0.23386	-0.06022	0.19394	0.00880739	0.84945	0.050365	0.2774
0.02658	0.04959	0.28488	-0.03052	0.51063	0.05230885	0.25926	0.122377	0.00811
0.56086	0.061756	0.18278	-0.0157	0.73505	-0.1377309	0.00286	-0.12595	0.00642
0.44314	0.027062	0.55966	-0.05533	0.23272	-0.012303	0.79088	0.010233	0.82543
0.59309	0.005143	0.91174	0.079826	0.08486	-0.1258233	0.00648	-0.20599	7.20E-06
0.8633	0.070726	0.12695	0.014527	0.75421	-0.0006393	0.98901	-0.02546	0.58312
4.35E-16	-0.07406	0.10996	0.000371	0.99363	0.05084945	0.2728	0.065854	0.15536
0.78612	0.026108	0.57358	0.09274	0.04517	0.0018141	0.96881	-0.00095	0.9837
0.00974	-0.00435	0.92533	-0.08507	0.06625	-0.0321243	0.4886	-0.03719	0.42261
0.42211	-0.25107	3.81E-08	-0.0112	0.80925	0.17092169	0.00021	0.086099	0.06302
0.82314	0.229978	5.06E-07	0.087595	0.05856	-0.0587312	0.2052	-0.12076	0.00899
0.43094	0.073547	0.11245	0.183332	6.75E-05	-0.0366587	0.42933	-0.0341	0.46219
0.00056	0.176391	0.00013	0.140329	0.00237	-0.0032464	0.94422	-0.05036	0.27742
0.04202	0.121024	0.00885	0.276262	1.26E-09	0.17102383	0.0002	0.225236	8.76E-07
7.15E-06	0.086092	0.06304	0.142761	0.00198	0.04795888	0.30103	-0.02937	0.52667
0.10855	0.082268	0.07572	-0.10421	0.02432	-0.020031	0.66592	0.080417	0.08257
2.88E-06	0.184292	6.17E-05	0.125794	0.00649	0.11361707	0.01402	0.070604	0.12761
0.92754	0.082644	0.07439	0.059885	0.19642	0.15003188	0.00115	0.178128	0.00011
0.1635	0.021093	0.64935	0.008622	0.85258	-0.0632081	0.17268	-0.10297	0.02607
0.09236	0.088555	0.05584	0.068492	0.13943	0.02867491	0.53649	0.019908	0.66785
3.43E-06	0.054487	0.23992	0.016566	0.72104	0.12046249	0.00917	0.119846	0.00953
0.06744	-0.10086	0.0293	-0.1032	0.02574	0.20787692	5.90E-06	0.052866	0.25421
0.00172	0.11035	0.01705	0.059498	0.19933	0.02067606	0.65584	-0.00922	0.84251
0.06548	0.040913	0.3777	-0.02682	0.56323	-0.0653302	0.15868	-0.03933	0.39649
0.00028	0.043564	0.34755	-0.01844	0.69096	0.01488617	0.74833	0.108015	0.01955
1.61E-14	0.021526	0.64266	-0.11399	0.01371	-0.0980024	0.03424	-0.11782	0.01083
0.82244	0.310058	7.28E-12	0.133965	0.00373	0.06593829	0.15483	0.073273	0.1138



0.00031	0.20391	8.93E-06	0.380503	1.55E-17	0.22703431	7.12E-07	0.131614	0.00439
0.10216	-0.08066	0.08166	-0.15893	0.00057	0.07208494	0.1198	-0.08919	0.0541
0.53629	0.217524	2.08E-06	0.204036	8.82E-06	0.15997317	0.00052	-0.07929	0.08697
0.11301	0.188407	4.18E-05	0.02336	0.61459	-0.0065122	0.88838	0.026385	0.56952
4.79E-08	0.181081	8.31E-05	0.106809	0.02097	0.08757739	0.05861	0.056311	0.22453
0.47587	0.117278	0.0112	-0.01215	0.79342	0.00218296	0.96248	0.028268	0.54228
0.13237	0.28153	5.89E-10	0.162474	0.00042	0.02599069	0.57531	0.08847	0.05607
0.05875	0.033917	0.46465	-0.03836	0.40824	-0.0987359	0.03291	-0.14417	0.00179
0.63203	0.056133	0.22599	0.00266	0.95428	0.01345935	0.77175	-0.06106	0.18776
0.48691	0.040874	0.37816	0.032307	0.48613	0.00676846	0.88402	0.005345	0.90829
0.00871	-0.03256	0.48275	0.280515	6.83E-10	0.28121248	6.17E-10	0.217553	2.08E-06
0.83273	0.195635	2.07E-05	0.189538	3.75E-05	0.16457387	0.00036	-0.07629	0.09964
0.2974	-0.06341	0.17131	0.122952	0.00781	0.19276201	2.74E-05	0.040357	0.38422
0.01584	0.117369	0.01114	0.095288	0.03956	0.38202843	1.12E-17	0.295384	7.41E-11
0.1016	-0.18959	3.73E-05	0.030566	0.50994	0.2344358	2.99E-07	0.108885	0.01859
0.00217	-0.05941	0.19998	0.015617	0.73641	0.37512459	4.73E-17	0.379016	2.11E-17
0.68636	-0.22156	1.33E-06	0.18027	8.95E-05	0.18059955	8.69E-05	-0.01532	0.74126
0.02118	0.34658	1.26E-14	0.113233	0.01435	0.11723014	0.01123	0.081924	0.07696
0.11581	-0.02753	0.55292	0.112806	0.01473	0.32486777	6.12E-13	0.202401	1.04E-05
0.29393	0.179399	9.69E-05	0.049675	0.28405	0.08844765	0.05613	0.097889	0.03445
0.87432	0.05356	0.24803	-0.11962	0.00967	-0.0729711	0.1153	-0.0235	0.61242
0.40951	0.069056	0.1362	0.052946	0.25349	-0.0393311	0.39644	-0.0539	0.24506
0.73342	0.047393	0.30678	0.004468	0.92328	0.00157247	0.97296	-0.01422	0.75915
0.62482	-0.06389	0.16807	-0.09769	0.03481	-0.2284426	6.05E-07	-0.23719	2.15E-07
0.75155	0.010084	0.82795	0.022817	0.62284	-0.2123356	3.67E-06	-0.20341	9.41E-06
0.72123	0.080776	0.0812	0.028774	0.53508	-0.0327318	0.48042	-0.05191	0.2629
0.5703	0.030911	0.50518	-0.07827	0.09113	-0.0854415	0.06506	-0.0201	0.66491
0.62286	0.023842	0.6073	0.012183	0.79288	-0.0533335	0.25003	-0.05579	0.22886
0.59249	0.048731	0.29331	-0.02145	0.6439	-0.0007872	0.98646	-0.00362	0.93777
0.18591	0.068254	0.14082	-0.00153	0.97366	0.01498075	0.74678	-0.0367	0.42881
0.561	0.067503	0.14525	0.068202	0.14112	0.0351725	0.44828	0.0486	0.29461
0.01893	-0.00752	0.87117	-0.01524	0.74263	-0.2607983	1.06E-08	-0.24053	1.43E-07
0.0241	0.334848	1.07E-13	0.215478	2.61E-06	0.05929643	0.20086	-0.03764	0.41704
0.22006	-0.07502	0.10542	-0.0814	0.07889	-0.0224873	0.62788	-0.12231	0.00815
0.52231	0.116814	0.01153	0.036539	0.43084	0.01964076	0.67204	0.023595	0.61104
0.11827	-0.05819	0.20938	-0.0034	0.94162	0.08974517	0.05261	0.025492	0.58267
0.14041	0.059025	0.20294	0.03591	0.43881	-0.0224575	0.62834	-0.04754	0.30532
1.60E-07	0.163875	0.00038	0.054541	0.23945	0.06857722	0.13894	0.091767	0.04748
0.03289	0.120409	0.0092	0.029214	0.52886	0.13876413	0.00265	0.206515	6.81E-06
0.00135	-0.08529	0.06556	-0.29679	5.97E-11	-0.018673	0.68733	0.037465	0.41924
0.16521	0.200529	1.26E-05	0.097156	0.03582	0.27202883	2.29E-09	0.352792	3.92E-15
0.98821	0.172418	0.00018	0.022074	0.63422	0.02710967	0.55896	0.076452	0.09892
0.01578	0.166774	0.00029	0.152276	0.00096	0.12352422	0.00753	0.117061	0.01135
0.65222	0.031192	0.50132	0.058023	0.21073	0.06801551	0.14222	0.003169	0.94554
0.20067	-0.02143	0.6442	-0.10846	0.01906	-0.0201237	0.66447	-0.11968	0.00963

7.74E-07	-0.03029	0.51383	-0.02666	0.56549	-0.1215583	0.00855	-0.15481	0.00079
0.04756	-0.16757	0.00028	-0.08211	0.0763	-0.0595278	0.19911	-0.09434	0.04158
0.64264	0.003124	0.94632	-0.05726	0.21681	0.00277789	0.95226	0.015901	0.7318
0.67077	0.009448	0.83863	0.018251	0.69403	0.06252057	0.17741	0.079542	0.08597
0.43882	0.219609	1.65E-06	0.072489	0.11773	0.00206545	0.96449	0.075881	0.10147
0.2977	0.156071	0.00071	0.151227	0.00104	0.25979505	1.22E-08	0.245392	7.83E-08
0.19212	0.147126	0.00143	0.08296	0.07328	0.00638054	0.89062	-0.00792	0.86443
0.31623	-0.2662	5.12E-09	-0.14991	0.00116	-0.0220275	0.63493	0.003223	0.94462
0.00334	-0.01719	0.71093	0.216618	2.30E-06	0.12526885	0.00672	0.066897	0.14891
0.24012	0.022634	0.62564	0.027525	0.55296	0.09762597	0.03494	0.146204	0.00153
0.95459	0.041196	0.37441	0.02012	0.66452	0.09427531	0.04171	0.047562	0.30506
0.21532	0.090133	0.05159	0.001193	0.97949	0.07790328	0.09266	0.141971	0.0021
0.70952	-0.08856	0.05583	0.129429	0.00509	0.28048703	6.85E-10	0.126173	0.00633
0.02517	0.099611	0.03138	0.003542	0.93915	-0.027647	0.55119	0.04168	0.36882
0.20639	0.100553	0.02981	0.036274	0.43419	0.03721531	0.42235	0.102394	0.02692
6.26E-05	0.318079	1.94E-12	0.137886	0.00283	0.09617988	0.03774	0.170935	0.00021
0.49963	0.084116	0.06935	0.029226	0.52867	0.03395069	0.46421	0.022036	0.63479
0.58073	0.134431	0.00361	-0.04435	0.33892	0.01171251	0.8007	0.111703	0.01573
0.02682	-0.15677	0.00067	-0.04957	0.28504	0.07774926	0.09331	-0.11842	0.01043
0.46542	0.100475	0.02993	-0.06392	0.1679	0.15593719	0.00072	0.233812	3.22E-07
0.14663	-0.08008	0.08386	-0.09543	0.03926	-0.0335046	0.47011	-0.00545	0.90656
0.5093	-0.01909	0.6808	-0.08161	0.07812	-0.1545613	0.0008	-0.25115	3.77E-08
0.01339	0.197204	1.77E-05	0.171635	0.00019	0.04068008	0.38043	0.107938	0.01964
0.53687	0.195485	2.10E-05	0.038875	0.40194	0.08693644	0.06049	0.057512	0.21477
0.08807	0.127941	0.00563	0.004708	0.91919	0.06450925	0.16399	0.179117	9.95E-05
0.1902	0.092112	0.04665	0.049379	0.28693	0.09573268	0.03864	0.10908	0.01838
0.61061	0.046925	0.31158	0.090668	0.05021	0.17267445	0.00018	0.193899	2.45E-05
0.08582	0.022094	0.63391	0.036804	0.4275	0.24611584	7.15E-08	0.261856	9.24E-09
0.01186	-0.17264	0.00018	-0.1619	0.00044	-0.1390434	0.0026	-0.12601	0.0064
1.06E-17	-0.29705	5.74E-11	-0.18143	8.05E-05	-0.1174677	0.01107	-0.18834	4.21E-05
0.30498	0.078774	0.08906	0.152227	0.00097	0.45547884	2.68E-25	0.231752	4.11E-07
0.03477	0.160281	0.00051	0.159262	0.00055	0.27589955	1.32E-09	0.307188	1.16E-11
0.96419	0.075946	0.10117	-0.0082	0.85972	0.0490447	0.29021	0.112834	0.0147
0.08862	0.166575	0.0003	0.170749	0.00021	-0.004943	0.91516	-0.06171	0.18311
0.19375	0.025035	0.58945	-0.10073	0.02953	-0.1290878	0.00521	-0.18748	4.56E-05
0.9945	-0.04494	0.3325	-0.23937	1.65E-07	-0.325514	5.48E-13	-0.35233	4.28E-15
0.74138	0.053294	0.25038	-0.0396	0.39325	-0.0082324	0.85917	0.040142	0.38677
0.15298	0.067792	0.14354	0.025546	0.58186	0.10674544	0.02104	0.166217	0.00031
0.66755	0.053514	0.24843	-0.11792	0.01076	-0.094697	0.0408	-0.01461	0.75281
0.85209	0.030317	0.5134	-0.08587	0.06372	-0.0447436	0.33464	0.047473	0.30597
0.33734	0.117324	0.01117	-0.06084	0.18938	-0.1839757	6.35E-05	-0.20072	1.24E-05
0.10879	0.25718	1.72E-08	0.06934	0.13459	-0.1273876	0.00584	-0.05424	0.24206
0.01291	0.228672	5.89E-07	0.047022	0.31058	0.14306657	0.00194	0.186836	4.85E-05
0.66444	0.045749	0.32388	0.06159	0.18396	0.02650005	0.56784	0.005202	0.91074
0.48982	-0.07336	0.11335	-0.09718	0.03579	-0.0857225	0.06418	0.001696	0.97084

0.33411	-0.04896	0.29109	0.010698	0.81765	0.04329353	0.35056	0.088704	0.05542
4.87E-10	0.110384	0.01702	0.128235	0.00552	0.22170806	1.31E-06	0.312133	5.19E-12
0.00742	-0.09428	0.04169	-0.04916	0.28904	-0.2079672	5.85E-06	-0.26904	3.47E-09
6.19E-10	0.138891	0.00263	-0.11361	0.01403	0.02510082	0.58846	0.142577	0.00201
1.17E-06	0.372494	8.10E-17	0.429974	1.95E-22	0.22194197	1.27E-06	0.206667	6.70E-06
0.00097	0.275868	1.33E-09	0.399116	2.77E-19	0.21498673	2.75E-06	0.205512	7.57E-06
0.84556	0.045393	0.32766	0.059599	0.19857	0.00524438	0.91001	0.004126	0.92913
0.28834	0.006156	0.89444	0.01703	0.71357	0.0498228	0.28262	-0.03034	0.5131
0.46171	0.029179	0.52934	-0.02274	0.62405	-0.0220344	0.63482	0.021422	0.64426
0.00223	0.127399	0.00583	0.026758	0.56407	-0.11521	0.01273	-0.1407	0.00231
0.74071	0.027499	0.55333	0.024399	0.59894	-0.0481506	0.2991	-0.10081	0.02939
0.56228	-0.01602	0.72981	-0.03138	0.4988	-0.033935	0.46442	0.074309	0.10877
0.14368	-0.04959	0.28485	-0.0771	0.09609	0.0293861	0.52642	-0.01694	0.71501
0.01136	-0.2004	1.28E-05	-0.1033	0.02559	0.040139	0.3868	0.067435	0.14566
0.92412	0.046788	0.313	-0.22152	1.34E-06	-0.1826284	7.20E-05	-0.07758	0.094
0.90344	-0.01714	0.71183	-0.02051	0.6584	-0.0088295	0.84907	-0.01305	0.77851
0.41111	-0.18675	4.89E-05	-0.1521	0.00098	-0.0535331	0.24826	-0.07899	0.08818
0.04592	0.073671	0.11185	0.06833	0.14037	-0.0055659	0.90452	-0.03004	0.51732
0.92897	0.056065	0.22656	0.009629	0.8356	0.16854688	0.00025	0.255441	2.16E-08
0.11259	-0.05092	0.27214	0.181637	7.89E-05	0.35306604	3.72E-15	0.171481	0.0002
0.1365	-0.06698	0.14842	0.048517	0.29544	0.19499443	2.20E-05	0.15579	0.00073
0.80061	-0.29244	1.16E-10	-0.0862	0.0627	0.06278728	0.17556	0.047115	0.30963
0.12479	0.034784	0.45331	-0.02014	0.66416	-0.0594891	0.1994	-0.03423	0.46057
0.96739	-0.29899	4.24E-11	-0.23128	4.34E-07	0.02246266	0.62826	-0.01921	0.67883
0.04211	0.206555	6.78E-06	0.048079	0.29982	0.2662902	5.06E-09	0.145153	0.00166
0.02986	0.173863	0.00016	0.138745	0.00266	0.02100218	0.65077	-0.0131	0.77767
0.00036	-0.02273	0.62421	0.056948	0.21931	0.20384213	9.00E-06	0.180911	8.44E-05
0.98914	0.033058	0.47606	0.13361	0.00382	0.30454846	1.77E-11	0.338338	5.70E-14
0.00277	0.187797	4.43E-05	-0.00264	0.95456	-0.0566571	0.22168	0.04181	0.36733
0.23248	0.02831	0.54168	0.090407	0.05088	0.28142125	5.99E-10	0.231982	4.00E-07
5.49E-17	0.128451	0.00544	0.114574	0.01323	0.22225417	1.23E-06	0.122355	0.00812
0.04369	0.028025	0.54576	0.054414	0.24055	-0.0890826	0.05438	-0.17908	9.98E-05
0.31995	0.141468	0.00218	0.10029	0.03024	-0.0187978	0.68535	0.006723	0.88479
0.00585	0.057981	0.21105	0.10902	0.01844	0.33388178	1.27E-13	0.341938	2.97E-14
0.10515	-0.29374	9.53E-11	-0.18095	8.41E-05	0.11658339	0.01169	0.185715	5.40E-05
0.1025	0.03577	0.4406	0.028693	0.53623	-0.0169145	0.71543	-0.05858	0.20638
0.64997	0.038869	0.40201	-0.01678	0.71752	-0.0501042	0.2799	-0.05298	0.25318
0.89247	0.220998	1.42E-06	0.090391	0.05092	-0.0481178	0.29943	-0.09501	0.04015
0.03971	0.242721	1.09E-07	0.123782	0.0074	0.00872649	0.85081	-0.03803	0.41222
0.98039	-0.27029	2.92E-09	-0.14477	0.00171	-0.0838776	0.07015	-0.03474	0.45395
0.34551	0.111143	0.01627	-0.01623	0.72652	-0.1448283	0.0017	-0.13236	0.00417
0.34542	0.004093	0.9297	-0.02017	0.6637	-0.0048643	0.9165	0.00576	0.9012
0.01277	-0.01386	0.76519	0.013686	0.76801	-0.0211918	0.64783	-0.02137	0.64513
0.26987	0.118159	0.0106	-0.07876	0.08909	-0.1825673	7.24E-05	-0.2203	1.53E-06
0.00113	-0.09704	0.03605	0.194714	2.26E-05	0.22857728	5.96E-07	0.203053	9.76E-06

0.45697	0.227301	6.91E-07	0.031086	0.50277	0.1047419	0.0236	0.191425	3.12E-05
0.70454	-0.09848	0.03337	0.042574	0.35863	0.20693475	6.52E-06	0.12708	0.00596
0.07755	0.069453	0.13396	0.050515	0.27597	0.01708723	0.71265	0.130656	0.00468
0.00469	-0.19596	2.00E-05	-0.09815	0.03396	0.12902715	0.00523	0.026168	0.57271
0.88439	0.178725	0.0001	0.104157	0.02439	0.12427241	0.00717	-0.03395	0.46425
0.18235	-0.05538	0.23228	0.025885	0.57687	0.12254919	0.00802	0.182012	7.63E-05
0.10737	0.065192	0.15957	0.042445	0.36009	-0.0894986	0.05326	-0.09908	0.03231
0.0004	0.243635	9.74E-08	0.158992	0.00056	0.17534876	0.00014	0.190844	3.31E-05
1.86E-15	-0.21558	2.58E-06	-0.19374	2.49E-05	-0.0977037	0.03479	-0.17374	0.00016
0.9306	0.144401	0.00176	0.089998	0.05194	0.10020204	0.03039	0.145564	0.00161
0.00857	-0.03186	0.49215	0.132615	0.00409	0.14209057	0.00208	-0.03846	0.40697
0.76408	-0.00135	0.97677	0.336115	8.51E-14	0.23407486	3.12E-07	-0.03845	0.40715
0.70467	-0.05534	0.2326	-0.10717	0.02054	-0.0540819	0.24344	-0.04481	0.33394
0.6038	0.03504	0.45	-0.02324	0.61635	0.02412542	0.60304	0.078919	0.08847
0.01302	-0.01971	0.67102	-0.07608	0.10055	-0.0300261	0.51745	-0.02026	0.66226
1.69E-10	-0.10819	0.01936	-0.09215	0.04656	0.04026347	0.38533	-0.00073	0.98737
0.02751	0.021647	0.64078	-0.06594	0.1548	0.12425685	0.00718	-0.03452	0.45677
0.0013	0.218495	1.87E-06	0.160237	0.00051	0.00662287	0.8865	-0.08766	0.05838
0.09623	-0.14802	0.00134	-0.03877	0.40324	0.09428388	0.04169	-0.09319	0.04412
5.48E-11	-0.28229	5.27E-10	-0.20108	1.19E-05	0.06729518	0.1465	0.141349	0.0022
0.26177	0.105725	0.02231	0.029233	0.52858	-0.1051153	0.0231	-0.14356	0.00187
0.34456	0.180951	8.41E-05	0.099232	0.03203	0.13734383	0.00294	0.121305	0.00869
0.48705	0.183564	6.60E-05	0.101797	0.02783	-0.0463601	0.31745	-0.04489	0.33307
0.80881	-0.27224	2.22E-09	-0.04693	0.31157	0.06511813	0.16004	0.120607	0.00908
0.07561	0.167112	0.00029	0.09596	0.03818	0.10966156	0.01776	0.170636	0.00021
0.2328	-0.04709	0.30991	-0.05235	0.25892	-0.100231	0.03034	-0.15106	0.00106
0.00084	-0.00191	0.9672	-0.02599	0.57537	0.04666747	0.31425	0.105484	0.02262
0.60533	0.077229	0.09552	0.190614	3.38E-05	0.13447399	0.0036	0.126717	0.0061
0.36732	0.079318	0.08686	0.108391	0.01913	-0.0575371	0.21457	-0.17998	9.19E-05
3.20E-08	0.128238	0.00552	0.156074	0.00071	0.04916661	0.28901	-0.01374	0.76708
0.08711	0.243913	9.41E-08	0.46829	7.89E-27	-0.0220247	0.63497	-0.12404	0.00728
0.71151	0.049031	0.29034	0.003649	0.93731	-0.0269389	0.56144	-0.01389	0.76473
0.02883	-0.10967	0.01775	-0.10864	0.01885	0.01641956	0.72341	0.015058	0.74551
0.07361	0.063543	0.17041	0.118843	0.01016	0.11625401	0.01193	-0.00496	0.91485
0.03233	0.108211	0.01933	-0.00668	0.88555	0.05408927	0.24337	0.10588	0.02212
0.12291	0.001183	0.97966	0.067082	0.14779	0.00706948	0.8789	-0.00446	0.92345
0.00693	-0.12319	0.0077	-0.01826	0.69386	0.09689461	0.03633	0.107912	0.01967
0.08597	-0.25139	3.66E-08	-0.08859	0.05573	0.04987129	0.28215	-0.0144	0.75622
1.03E-13	-0.1332	0.00393	-0.11714	0.01129	0.00174201	0.97005	0.057334	0.2162
0.26051	-0.00361	0.938	-0.0614	0.18532	0.08435259	0.06857	0.163305	0.00039
0.71045	0.063115	0.17332	0.137609	0.00288	0.27735729	1.08E-09	0.219268	1.72E-06
0.00017	-0.13364	0.00381	-0.00657	0.88735	0.14561343	0.0016	0.194306	2.36E-05
0.06177	-0.04881	0.29254	-0.07148	0.12295	0.10354108	0.02525	0.128185	0.00553
6.74E-06	-0.16336	0.00039	-0.16285	0.00041	-0.0395343	0.394	0.077991	0.09229
0.07417	0.181941	7.68E-05	0.457387	1.60E-25	0.21077149	4.34E-06	0.049143	0.28924

0.52984	0.095435	0.03925	-0.14817	0.00132	-0.0071848	0.87694	-0.03536	0.44586
0.85571	-0.04061	0.38126	-0.0488	0.29267	-0.0850294	0.06637	-0.0012	0.9794
0.14027	-0.04699	0.31088	-0.06804	0.14207	-0.1157768	0.01229	-0.12761	0.00575
0.84199	-0.04269	0.35735	0.004749	0.91847	-0.1187983	0.01019	-0.23547	2.64E-07
0.11812	0.194599	2.29E-05	-0.03112	0.5023	-0.0945023	0.04122	-0.14749	0.00139
0.48187	0.082847	0.07368	0.022726	0.62423	-0.0434121	0.34924	-0.09432	0.04162
0.32727	0.029104	0.5304	-0.02937	0.52665	0.00356134	0.93882	-0.00518	0.91115
0.13147	0.052732	0.25542	0.141855	0.00212	0.10608351	0.02186	0.026107	0.5736
4.31E-06	0.215735	2.54E-06	0.081154	0.07978	0.05741844	0.21552	0.022194	0.63237
0.0099	0.10985	0.01756	-0.02453	0.59705	0.02548076	0.58283	0.040345	0.38436
5.81E-09	0.146917	0.00145	0.083864	0.07019	0.09121704	0.04883	0.105217	0.02297
0.48582	0.104498	0.02392	-0.0158	0.73343	-0.1149633	0.01292	-0.15856	0.00058
0.02755	0.257538	1.64E-08	0.180539	8.73E-05	0.17663396	0.00012	0.090876	0.04969
0.26842	-0.07522	0.10449	0.024201	0.6019	0.18213949	7.54E-05	0.129857	0.00494
0.03729	0.252763	3.06E-08	0.064484	0.16416	-0.1097494	0.01767	-0.11722	0.01124
0.00552	0.10251	0.02675	0.032332	0.4858	-0.0432353	0.3512	-0.09589	0.03831
0.78796	0.158231	0.0006	0.115154	0.01277	0.10470202	0.02365	0.068534	0.1392
4.73E-05	0.005586	0.90417	-0.04251	0.35932	-0.0687213	0.13811	-0.08842	0.05622
2.28E-05	-0.0191	0.68062	-0.02663	0.566	-0.1319341	0.00429	-0.12696	0.00601
1.29E-05	-0.14064	0.00232	0.105683	0.02236	0.25979634	1.22E-08	0.257862	1.57E-08
0.10233	0.104763	0.02357	0.244457	8.80E-08	0.06193445	0.18151	0.063363	0.17163
1.91E-06	0.068416	0.13988	0.016402	0.7237	-0.1342909	0.00364	-0.16622	0.00031
0.91931	0.035252	0.44726	-0.1167	0.01161	-0.0719332	0.12058	-0.03531	0.44655
0.77268	-0.01427	0.75849	0.001902	0.9673	-0.0275806	0.55215	-0.03386	0.46542
0.00109	-0.07335	0.11344	-0.0741	0.10976	0.00916178	0.84347	0.053285	0.25046
2.90E-05	0.025248	0.58627	-0.05314	0.25171	-0.0893715	0.0536	-0.10172	0.02795
0.07278	0.076364	0.09931	0.055102	0.23465	-0.0265641	0.5669	-0.05633	0.2244
0.33114	0.099447	0.03166	0.139334	0.00255	-0.1388446	0.00264	-0.17085	0.00021
0.11025	0.037926	0.41354	0.09106	0.04922	-0.0823849	0.0753	-0.07729	0.09527
0.00457	-0.13071	0.00467	0.000588	0.98989	0.23970811	1.58E-07	0.075623	0.10264
0.79858	-0.05869	0.20551	0.05231	0.25925	0.12424525	0.00718	0.169492	0.00023
0.00277	0.172853	0.00017	0.016914	0.71544	-0.0368425	0.42702	-0.00343	0.94107
9.57E-06	0.125049	0.00682	-0.00403	0.93082	0.07226693	0.11886	0.039171	0.39837
0.19707	-0.08179	0.07744	-0.09094	0.04953	0.21267741	3.54E-06	0.342948	2.46E-14
0.89229	0.232801	3.63E-07	0.077579	0.09403	0.03726714	0.4217	0.179577	9.54E-05
0.11134	-0.10535	0.0228	-0.01384	0.76546	0.04301675	0.35365	0.007575	0.87032
0.003	0.007138	0.87773	0.067971	0.14248	0.2209891	1.42E-06	0.299234	4.08E-11
0.03429	-0.05286	0.25424	-0.09588	0.03835	0.08692762	0.06051	0.140271	0.00238
4.79E-20	-0.02198	0.63567	0.001779	0.96941	0.15980642	0.00053	0.23152	4.22E-07
0.00659	0.253395	2.82E-08	0.199727	1.37E-05	-0.0735334	0.11252	-0.09237	0.04605
0.85143	0.298029	4.93E-11	0.088785	0.0552	0.06022549	0.19388	-0.00026	0.99545
0.05367	0.065274	0.15904	-0.00058	0.99011	-0.1777203	0.00011	-0.29328	1.02E-10
0.34681	-0.29802	4.93E-11	-0.06469	0.1628	0.08182526	0.07731	-0.02651	0.56775
0.00108	0.100562	0.02979	0.062389	0.17832	0.24439882	8.86E-08	0.28463	3.74E-10
0.24342	0.076402	0.09914	-0.20564	7.47E-06	-0.1662399	0.00031	-0.27093	2.67E-09

2.85E-12	0.03446	0.45753	-0.05482	0.23701	-0.0174855	0.70626	0.021114	0.64903
0.84358	0.071869	0.12092	0.17958	9.54E-05	0.05289204	0.25398	0.025735	0.57907
0.9874	-0.05446	0.24015	-0.12558	0.00658	0.06202946	0.18084	0.18398	6.35E-05
0.0014	0.129915	0.00493	0.012345	0.79019	0.02070425	0.6554	0.143498	0.00188
0.00016	0.065801	0.15569	-0.03823	0.40982	-0.024787	0.59313	0.091812	0.04737
0.00461	0.094117	0.04206	0.110826	0.01658	-0.1177072	0.01091	-0.16102	0.00048
0.4176	0.042464	0.35987	-0.00267	0.95417	0.11667286	0.01163	0.217352	2.12E-06
0.00693	-0.12308	0.00775	0.107175	0.02053	0.03815207	0.41076	-0.1155	0.0125
0.01374	0.041574	0.37004	-0.1257	0.00653	-0.0779677	0.09239	-0.21135	4.08E-06
0.09889	-0.06007	0.19505	0.247767	5.80E-08	0.45408726	3.90E-25	0.356736	1.84E-15
0.28676	0.030302	0.5136	-0.03573	0.44118	-0.0056851	0.90248	0.050741	0.27383
1.17E-09	0.046761	0.31328	0.010852	0.81507	0.11127946	0.01614	0.10184	0.02776
5.70E-05	0.123232	0.00767	0.065	0.1608	-0.1702344	0.00022	-0.22922	5.53E-07
0.00303	0.149774	0.00117	0.05253	0.25724	0.07607696	0.10059	0.072359	0.1184
0.45083	-0.23927	1.67E-07	-0.32244	9.27E-13	-0.1614073	0.00046	-0.03997	0.38881
0.83892	-0.01927	0.67782	-0.18607	5.22E-05	-0.2183562	1.90E-06	-0.2388	1.77E-07
0.02818	-0.17147	0.0002	-0.05446	0.24017	0.00689079	0.88194	0.015742	0.73438
0.00013	0.19047	3.43E-05	0.259718	1.23E-08	0.071468	0.12301	0.0723	0.1187
0.56366	-0.03009	0.5165	0.129406	0.0051	0.19274156	2.75E-05	0.092551	0.04561
0.48156	0.096726	0.03666	0.120778	0.00899	0.18704822	4.76E-05	0.216047	2.45E-06
0.02821	0.052029	0.26182	0.000607	0.98956	0.00807002	0.86192	-0.03602	0.4374
0.00138	-0.02203	0.63488	-0.03451	0.45684	0.18098856	8.38E-05	0.200024	1.33E-05
0.00782	0.143801	0.00184	0.157967	0.00061	0.29554499	7.23E-11	0.203167	9.65E-06
2.14E-07	0.20697	6.50E-06	0.165799	0.00032	-0.070878	0.12614	-0.16564	0.00032
0.3405	0.059063	0.20265	0.019217	0.67872	0.04320846	0.3515	0.115053	0.01285
0.75359	0.032692	0.48095	0.010894	0.81437	0.02704506	0.5599	0.023396	0.61404
0.13771	0.105389	0.02274	0.085489	0.06491	0.07806924	0.09196	0.123829	0.00738
5.21E-05	0.060481	0.192	0.054362	0.241	0.18524428	5.64E-05	0.215136	2.71E-06
8.03E-05	-0.04276	0.3565	0.014505	0.75457	0.27177224	2.37E-09	0.353524	3.41E-15
0.01043	0.11145	0.01597	0.070135	0.13017	0.05836087	0.20807	-0.02172	0.63974
0.32836	0.194956	2.21E-05	0.101451	0.02837	0.00759097	0.87004	0.081698	0.07778
1.83E-07	0.275489	1.40E-09	0.286274	2.93E-10	0.02206465	0.63436	-0.0944	0.04144
8.44E-06	0.238186	1.90E-07	0.119454	0.00977	0.05189106	0.26309	0.098109	0.03404
0.42751	-0.04108	0.37571	0.022714	0.62442	0.12010514	0.00938	0.130523	0.00473
0.41967	-0.10172	0.02794	-0.10436	0.02411	-0.0852097	0.0658	0.029836	0.52011
0.60247	0.16089	0.00048	0.030192	0.51514	0.01248134	0.78792	0.073665	0.11188
0.16545	0.016014	0.72998	-0.19959	1.39E-05	-0.2390792	1.71E-07	-0.13771	0.00286
5.43E-06	-0.08539	0.06524	-0.09989	0.0309	-0.0625784	0.17701	-0.06293	0.1746
0.00736	-0.01603	0.72968	-0.04792	0.30148	0.03592945	0.43857	0.02777	0.54943
0.5972	0.057273	0.21669	0.022613	0.62596	0.03871489	0.40388	0.083116	0.07274
0.24835	-0.05377	0.24619	-0.0663	0.15255	-0.090078	0.05173	-0.18458	6.00E-05
0.02332	0.034878	0.4521	0.054666	0.23838	-0.0817568	0.07756	-0.01774	0.70219
0.50315	0.191979	2.96E-05	0.160846	0.00048	0.08779708	0.05797	0.113487	0.01413
0.44275	0.225949	8.07E-07	0.125554	0.00659	0.0443531	0.33888	0.074595	0.10741
0.08093	0.068274	0.1407	0.013022	0.77897	-0.1496186	0.00118	-0.24344	9.98E-08

0.00148	0.113813	0.01386	0.026546	0.56716	0.02123591	0.64714	0.118181	0.01059
0.00059	0.046165	0.3195	-0.0333	0.47287	0.0698204	0.13191	0.189511	3.76E-05
0.00146	-0.05664	0.22184	0.011491	0.80439	0.16145615	0.00046	0.21215	3.74E-06
1.53E-08	0.023796	0.60799	0.150893	0.00107	0.23731002	2.12E-07	0.224167	9.89E-07
0.28847	0.234549	2.95E-07	0.063315	0.17195	-0.1593066	0.00055	-0.20362	9.20E-06
0.00031	0.071576	0.12244	0.226061	7.97E-07	0.11566679	0.01237	0.113546	0.01408
0.21747	0.1329	0.00401	0.255139	2.25E-08	0.1362719	0.00317	0.110105	0.0173
0.0974	0.122387	0.0081	0.004303	0.92611	-0.0212818	0.64643	-0.0179	0.69969
0.1303	0.161844	0.00045	0.149904	0.00116	0.29028861	1.61E-10	0.299152	4.14E-11
0.17147	0.200633	1.25E-05	0.20933	5.06E-06	0.38930685	2.38E-18	0.264444	6.51E-09
0.82453	0.25111	3.79E-08	0.32522	5.76E-13	0.29817938	4.81E-11	0.228504	6.01E-07
0.54093	0.2564	1.91E-08	0.120968	0.00888	0.12703571	0.00598	0.185608	5.45E-05
0.00102	0.054032	0.24387	0.037436	0.4196	0.02906707	0.53093	0.047607	0.3046
0.48803	0.196284	1.94E-05	0.251504	3.60E-08	-0.0297639	0.52112	-0.07757	0.09408
0.68598	0.163221	0.0004	0.046383	0.31721	0.07579156	0.10187	0.055422	0.23193
2.91E-07	-0.04102	0.37643	0.09551	0.0391	-0.0058536	0.8996	-0.09063	0.05032
0.88191	0.040263	0.38533	-0.01345	0.77192	-0.0032214	0.94465	0.018865	0.68428
0.00127	0.094649	0.0409	0.047844	0.3022	-0.0357099	0.44137	-0.06612	0.15368
0.15869	0.041847	0.3669	0.049419	0.28654	-0.105247	0.02293	-0.17264	0.00018
0.71311	0.059388	0.20016	0.094818	0.04054	0.17361838	0.00016	0.209527	4.96E-06
0.61445	-0.02295	0.62082	-0.00603	0.89655	0.07463192	0.10724	0.132482	0.00413
0.09224	0.294672	8.27E-11	0.200193	1.31E-05	0.4543812	3.60E-25	0.38685	4.04E-18
0.62903	0.013866	0.76505	0.023416	0.61374	0.00709266	0.8785	0.00608	0.89574
0.41227	0.290898	1.47E-10	0.341755	3.07E-14	0.09043697	0.0508	-0.00135	0.97687
0.17486	-0.00412	0.9293	-0.02526	0.58616	-0.0127287	0.78382	-0.03671	0.42874
0.01428	-0.22192	1.28E-06	-0.02289	0.6217	0.23875251	1.78E-07	0.16193	0.00044
0.00562	-0.19994	1.34E-05	-0.17087	0.00021	-0.1643659	0.00036	-0.25353	2.77E-08
0.11812	-0.06773	0.1439	0.176154	0.00013	0.136694	0.00308	-0.00595	0.89792
2.39E-05	-0.06432	0.16521	-0.01525	0.74233	0.11575779	0.01231	0.098563	0.03322
0.04977	-0.01193	0.79707	-0.05129	0.26868	-0.1127257	0.0148	-0.14368	0.00185
1.04E-13	-0.08294	0.07334	-0.05176	0.26433	0.06023242	0.19383	0.088054	0.05724
0.74148	-0.13183	0.00432	-0.12377	0.00741	0.0360894	0.43653	0.180234	8.98E-05
0.36457	0.133903	0.00374	0.053757	0.24628	0.02936081	0.52678	0.030176	0.51536
0.00195	0.065569	0.15716	-0.03695	0.42569	-0.0510997	0.27045	-0.025	0.58999
0.50417	0.003885	0.93326	-0.06344	0.17109	0.07042316	0.12859	0.160486	0.0005
0.15508	-0.0609	0.1889	-0.03508	0.44952	0.00188221	0.96764	0.039683	0.39222
0.00021	0.10957	0.01785	-0.10042	0.03002	0.02529447	0.58559	0.07529	0.10417
0.96712	-0.0241	0.60335	0.002328	0.95998	0.16221005	0.00043	0.040145	0.38673
0.26368	0.114363	0.0134	0.048879	0.29185	0.06324092	0.17246	0.041141	0.37504
0.0037	-0.06844	0.13975	0.086097	0.06302	0.07826727	0.09114	-0.10252	0.02674
0.58503	0.063936	0.16778	-0.05143	0.26738	0.03623473	0.43469	0.132004	0.00427
0.00868	-0.08583	0.06386	-0.16894	0.00024	-0.2363972	2.36E-07	-0.25694	1.78E-08
0.20968	0.123088	0.00775	-0.01998	0.66677	-0.0796725	0.08546	-0.14724	0.00142
0.77334	0.081608	0.07811	0.050847	0.27283	0.16210093	0.00044	0.254322	2.50E-08
0.62001	0.149041	0.00124	0.136073	0.00322	0.33266908	1.57E-13	0.295344	7.46E-11

0.28222	0.224403	9.63E-07	0.102766	0.02637	0.10635405	0.02152	0.107145	0.02056
0.39973	0.003284	0.94358	0.053642	0.2473	-0.0197002	0.67111	-0.04364	0.34666
0.62874	-0.02713	0.55867	0.02101	0.65065	0.0896791	0.05278	0.043719	0.34584
0.00073	0.294207	8.88E-11	0.336713	7.64E-14	-0.1500671	0.00114	-0.23999	1.53E-07
0.55945	0.168305	0.00026	0.027474	0.5537	0.05078601	0.2734	-0.02938	0.52658
1.18E-05	0.020019	0.6661	-0.00813	0.86087	0.0800095	0.08414	0.016058	0.72926
0.21624	-0.24913	4.88E-08	-0.08379	0.07046	0.15892404	0.00057	0.153629	0.00087
0.78886	0.116689	0.01162	0.092724	0.04521	0.22493163	9.07E-07	0.204869	8.09E-06
0.5807	-0.10103	0.02903	0.062824	0.17531	0.12733592	0.00586	-0.03219	0.48777
0.00288	0.086707	0.06117	0.066665	0.15032	0.07957321	0.08585	0.060128	0.19461
0.00147	0.002856	0.95091	0.11075	0.01665	0.17430167	0.00015	0.031387	0.49864
0.00072	-0.01058	0.81963	-0.16638	0.0003	-0.2401761	1.49E-07	-0.31613	2.68E-12
0.93705	-0.26398	6.94E-09	0.091163	0.04897	0.29645144	6.29E-11	0.316646	2.46E-12
6.62E-10	-0.07424	0.10912	-0.11751	0.01104	0.02278625	0.62331	0.068213	0.14106
3.41E-11	0.237547	2.06E-07	0.065572	0.15714	0.07719134	0.09569	0.145221	0.00165
0.34213	-0.18087	8.47E-05	-0.0403	0.38485	0.06590745	0.15503	-0.00039	0.99323
7.75E-05	-0.14812	0.00133	0.150212	0.00113	0.18074555	8.57E-05	0.135376	0.00338
0.626	-0.01533	0.74112	0.001516	0.97393	-0.0438407	0.3445	-0.0687	0.13821
6.14E-06	-0.28008	7.27E-10	-0.13733	0.00294	-0.0674368	0.14565	-0.11973	0.0096
3.86E-05	-0.04775	0.3031	0.075771	0.10197	0.04469171	0.3352	-0.00819	0.85996
1.61E-14	0.17074	0.00021	0.117459	0.01108	0.04685961	0.31226	0.047223	0.30852
0.04919	0.017384	0.70789	-0.14296	0.00196	-0.0802853	0.08307	-0.11551	0.01249
0.00412	-0.28171	5.74E-10	-0.3105	6.78E-12	0.17968426	9.44E-05	0.001323	0.97726
0.8818	0.176694	0.00012	0.090108	0.05166	0.12834819	0.00547	0.126556	0.00617
0.00012	-0.02154	0.64244	0.02813	0.54426	0.204074	8.78E-06	0.296674	6.08E-11
0.3312	-0.01352	0.77079	0.138444	0.00272	0.04333452	0.3501	-0.05169	0.26496
0.0001	0.091488	0.04816	0.22894	5.71E-07	0.07013003	0.1302	0.055068	0.23494
0.00454	0.237672	2.02E-07	0.239909	1.54E-07	0.09006508	0.05177	0.132742	0.00406
0.03134	-0.03693	0.42593	0.115618	0.01241	0.25129018	3.70E-08	0.200948	1.21E-05
0.78357	0.075814	0.10177	-0.02459	0.59612	-0.0106005	0.81928	0.032159	0.48813
0.2583	0.118857	0.01015	0.09992	0.03086	0.10684199	0.02093	0.152346	0.00096
0.00096	0.111544	0.01588	0.006655	0.88596	0.08440605	0.0684	-0.00583	0.90002
0.00157	0.218458	1.88E-06	0.409786	2.45E-20	0.07499918	0.10552	-0.08006	0.08392
0.04527	0.202265	1.06E-05	0.307271	1.14E-11	0.03476082	0.45362	-0.0969	0.03631
0.0009	0.156388	0.0007	0.14403	0.00181	0.16374521	0.00038	0.221924	1.28E-06
0.00601	-0.2012	1.18E-05	0.043833	0.34458	0.00291748	0.94986	-0.0371	0.42375
0.00355	-0.14822	0.00132	-0.026	0.57515	0.09793758	0.03436	-0.00551	0.9055
0.79053	-0.05848	0.20713	0.15075	0.00108	0.29938328	3.99E-11	0.099413	0.03172
0.01437	0.139219	0.00257	-0.00595	0.89801	-0.0270318	0.56009	0.062816	0.17536
0.04347	0.048086	0.29976	-0.14846	0.00129	-0.2583536	1.47E-08	-0.20124	1.18E-05
0.00064	0.01282	0.78232	-0.02427	0.60085	-0.056849	0.22012	0.053807	0.24584
0.13358	0.176181	0.00013	0.293129	1.05E-10	0.08949957	0.05326	-0.0011	0.98114
0.10208	0.203815	9.02E-06	0.12577	0.0065	-0.2022883	1.06E-05	-0.2447	8.53E-08
0.77786	0.017045	0.71334	-0.12521	0.00674	-0.1995003	1.40E-05	-0.10876	0.01872
0.66823	0.210387	4.52E-06	-0.00838	0.85671	-0.1049804	0.02328	-0.00644	0.88955



0.0008	0.191324	3.16E-05	0.415904	5.86E-21	0.47021861	4.58E-27	0.349993	6.65E-15
0.05837	-0.0211	0.64932	0.036841	0.42704	0.0011491	0.98024	-0.09857	0.03321
0.00619	-0.2668	4.72E-09	-0.44463	4.74E-24	-0.1934104	2.57E-05	-0.13769	0.00287
0.03371	0.071086	0.12503	-0.01297	0.77984	-0.0505493	0.27565	-0.03793	0.41346
0.0026	-0.04479	0.33414	-0.18491	5.82E-05	-0.0514627	0.26705	-0.07122	0.12433
0.48583	0.165089	0.00034	0.124026	0.00729	0.10958727	0.01784	0.14806	0.00133
0.87468	-0.00159	0.9727	-0.30658	1.28E-11	-0.0668897	0.14895	-0.09551	0.0391
0.84773	-0.01471	0.75115	-0.00077	0.98682	-0.0061586	0.8944	0.008747	0.85047
0.09599	0.043089	0.35284	0.052939	0.25355	0.05505078	0.23508	0.048551	0.2951
0.8683	-0.02284	0.62253	-0.00134	0.97693	0.00195104	0.96646	0.021456	0.64374
0.78067	0.02989	0.51935	-0.01964	0.6721	-0.0800018	0.08417	-0.04314	0.35226
0.40384	0.056548	0.22257	-0.01282	0.78237	-0.0214826	0.64333	-0.05904	0.20285
0.19831	0.037403	0.42001	-0.00949	0.83791	-0.0715103	0.12279	-0.05237	0.25873
0.0371	-0.08976	0.05257	-0.0314	0.49841	0.01472469	0.75096	0.06642	0.15184
0.07728	-0.02743	0.55438	-0.06635	0.15228	-0.0035152	0.93961	0.042612	0.3582
0.0006	0.045249	0.32921	-0.01042	0.82232	-0.0049352	0.91529	0.038132	0.411
6.72E-19	-0.04533	0.32837	-0.07905	0.08794	-0.0654432	0.15796	-0.00944	0.83874
0.13151	0.115715	0.01234	-0.02294	0.62103	-0.0152041	0.74314	0.037338	0.42082
0.9298	0.241299	1.30E-07	0.151874	0.00099	0.07937629	0.08663	0.088856	0.055
0.05991	0.12275	0.00792	0.087144	0.05987	0.15671131	0.00068	0.25921	1.32E-08
0.04345	0.128499	0.00542	-0.01142	0.80563	0.05424866	0.24198	-0.09525	0.03964
0.4373	0.195512	2.09E-05	0.159473	0.00054	0.03118236	0.50145	-0.01793	0.6991
0.74843	0.022932	0.6211	-0.01569	0.73529	-0.0514289	0.26737	-0.06385	0.16833
4.57E-05	-0.04782	0.30246	0.029288	0.52781	0.06674676	0.14982	-0.02573	0.57911
0.43461	-0.03144	0.49793	-0.02413	0.60291	0.12849784	0.00542	0.21452	2.90E-06
1.27E-06	-0.05678	0.22071	-0.15866	0.00058	-0.0920993	0.04668	-0.07602	0.10085
0.03205	-0.10499	0.02326	-0.08739	0.05916	0.07268273	0.11675	0.149111	0.00123
7.85E-12	-0.00749	0.87176	0.110719	0.01668	0.21782841	2.02E-06	0.212881	3.46E-06
0.80501	0.019451	0.67504	-0.01665	0.71966	0.02824602	0.5426	0.009404	0.83938
0.43197	0.140237	0.00239	0.105473	0.02263	0.42418657	8.06E-22	0.332503	1.62E-13
0.14981	0.163766	0.00038	0.127134	0.00594	0.12553965	0.0066	0.058498	0.20701
0.6452	0.167968	0.00027	0.02115	0.64847	0.02239798	0.62925	0.001676	0.97118
0.77266	0.004251	0.92701	-0.02332	0.61519	-0.111803	0.01564	-0.16829	0.00026
7.03E-06	0.162073	0.00044	0.120935	0.0089	0.02648891	0.568	-0.03976	0.39128
0.55888	0.014712	0.75118	-0.11555	0.01246	-0.3182562	1.88E-12	-0.31662	2.47E-12
0.00019	0.059795	0.1971	-0.01476	0.75043	-0.2340135	3.14E-07	-0.25341	2.82E-08
0.00113	0.362024	6.58E-16	0.211596	3.97E-06	0.04286732	0.35532	0.089785	0.0525
0.13139	0.088853	0.05501	0.151924	0.00099	-0.1540054	0.00084	-0.13654	0.00311
0.07819	0.170286	0.00022	0.186989	4.78E-05	0.02738509	0.55498	-0.03782	0.41487
0.85424	0.011557	0.8033	-0.11651	0.01175	-0.060615	0.19101	-0.03509	0.44929
0.52057	-0.09677	0.03657	-0.05915	0.202	0.19867176	1.53E-05	0.119756	0.00959
0.04339	0.152796	0.00092	0.322499	9.18E-13	0.01288799	0.78118	-0.06889	0.13715
0.2122	0.215626	2.57E-06	0.243658	9.72E-08	0.29596034	6.78E-11	0.210236	4.60E-06
0.40979	0.023793	0.60804	-0.0355	0.44413	0.0189584	0.68281	0.070124	0.13023
0.4197	0.096537	0.03703	0.18486	5.85E-05	0.38819985	3.02E-18	0.285594	3.24E-10

0.57614	-0.05526	0.23326	-0.04478	0.33426	-0.0065589	0.88759	0.000743	0.98722
0.50218	0.042598	0.35836	0.068502	0.13938	0.00053116	0.99087	-0.00656	0.88757
0.82954	0.022909	0.62145	0.04266	0.35766	0.04009105	0.38737	0.068427	0.13981
0.36392	0.012686	0.78452	-0.08904	0.05449	0.03138004	0.49874	0.105945	0.02203
5.53E-06	-0.22934	5.45E-07	0.053004	0.25297	0.22232212	1.22E-06	-0.00359	0.93839
0.55405	0.112862	0.01468	-0.09382	0.04272	0.18497198	5.79E-05	0.168208	0.00026
0.77684	0.093555	0.04331	-0.00422	0.92749	0.06906142	0.13617	0.189224	3.86E-05
0.5086	0.108468	0.01904	-0.06898	0.13665	-0.0097086	0.83425	0.096065	0.03797
0.7634	-0.04556	0.32593	0.029102	0.53043	-0.1086083	0.01889	-0.13031	0.00479
0.30185	-0.03884	0.40234	-0.11752	0.01103	-0.1952654	2.14E-05	-0.20186	1.10E-05
0.04537	0.110245	0.01716	0.088644	0.05559	0.16151449	0.00046	0.087399	0.05912
0.28902	0.05535	0.23254	-0.05335	0.2499	0.09049312	0.05066	0.082329	0.0755
0.00013	0.226396	7.67E-07	0.131014	0.00457	0.31311507	4.42E-12	0.344431	1.88E-14
0.08888	-0.02605	0.5745	0.090119	0.05163	0.13247126	0.00413	0.008148	0.8606
7.08E-06	0.057568	0.21433	0.018291	0.69339	-0.1471354	0.00143	-0.2032	9.61E-06
0.12899	-0.08046	0.08241	0.223546	1.06E-06	0.3560772	2.09E-15	0.209341	5.06E-06
0.09951	0.199022	1.47E-05	0.326708	4.46E-13	0.37300921	7.29E-17	0.273714	1.81E-09
0.28881	0.148123	0.00133	0.105567	0.02251	0.01424403	0.75884	-0.00654	0.88785
0.54	0.04304	0.35338	0.052856	0.2543	-0.0416915	0.36869	-0.04024	0.38556
0.53702	0.063963	0.1676	0.054816	0.23709	-0.0208256	0.65351	-0.02192	0.63656
0.00049	0.099819	0.03103	0.111995	0.01546	0.16173132	0.00045	0.139625	0.00249
0.63025	0.307355	1.13E-11	0.080182	0.08347	0.21835758	1.90E-06	0.288536	2.09E-10
1.85E-05	0.184191	6.23E-05	0.088522	0.05593	0.03042043	0.51197	0.033914	0.4647
0.96481	0.059956	0.19589	-0.05458	0.23911	-0.0704214	0.1286	-0.03956	0.3937
0.20612	0.151364	0.00103	0.087636	0.05844	0.10131036	0.02859	0.072772	0.1163
0.02159	-0.23447	2.98E-07	-0.11678	0.01155	0.03834832	0.40835	-0.07495	0.10574
0.00161	0.094652	0.0409	0.306351	1.32E-11	-0.0335897	0.46898	-0.05332	0.25019
9.77E-10	-0.0588	0.2047	-0.0905	0.05065	0.01402334	0.76246	-0.03289	0.47825
1.26E-09	-0.14541	0.00163	-0.01441	0.75616	0.26694266	4.63E-09	0.357019	1.74E-15
0.11864	-0.11953	0.00972	-0.20457	8.34E-06	-0.1102468	0.01716	-0.05699	0.21897
0.00537	0.133363	0.00389	0.155721	0.00073	-0.2242697	9.78E-07	-0.13546	0.00336
3.85E-06	-0.17604	0.00013	-0.18056	8.71E-05	-0.0532995	0.25033	-0.10176	0.02789
0.14797	0.006189	0.89389	0.2509	3.89E-08	0.40563726	6.35E-20	0.294135	8.98E-11
0.79718	0.206289	6.98E-06	0.328657	3.18E-13	0.28128281	6.11E-10	0.139429	0.00253
9.15E-06	0.160154	0.00051	0.248245	5.46E-08	0.10806953	0.01949	-0.04835	0.29709
0.00031	-0.24832	5.41E-08	-0.06558	0.15708	0.43138026	1.37E-22	0.334339	1.17E-13
0.11393	0.059352	0.20044	0.026417	0.56906	0.36320527	5.22E-16	0.3075	1.10E-11
0.28841	0.099275	0.03196	-0.03447	0.45746	-0.0015662	0.97307	0.073745	0.11149
0.00049	0.147982	0.00134	-0.0008	0.98629	0.05931195	0.20074	0.13376	0.00378
0.08683	-0.07676	0.09755	-0.08566	0.06439	-0.1446137	0.00173	-0.10634	0.02154
0.02541	0.008457	0.85538	-0.05888	0.20404	-0.0146405	0.75234	-0.01508	0.74513
0.34269	0.135825	0.00327	0.069646	0.13288	-0.0021171	0.96361	0.00867	0.85176
0.03215	-0.13844	0.00272	0.005812	0.90032	0.06062072	0.19097	-0.00958	0.83642
0.38885	0.118262	0.01053	0.044742	0.33466	0.10814032	0.01941	0.134078	0.0037
0.58693	-0.18401	6.33E-05	-0.10306	0.02593	0.0021369	0.96327	0.047098	0.3098

0.84416	0.050449	0.2766	0.025465	0.58306	-0.0354728	0.44441	-0.03718	0.42273
0.00033	-0.25233	3.24E-08	-0.05935	0.20049	0.17980867	9.34E-05	0.246787	6.57E-08
0.04101	0.004993	0.9143	0.038914	0.40146	0.07935043	0.08673	0.017947	0.69888
0.00016	0.045287	0.32879	0.212154	3.74E-06	0.25282045	3.04E-08	0.135579	0.00333
7.44E-05	-0.08419	0.06912	0.169399	0.00024	-0.02478	0.59324	-0.19508	2.18E-05
0.01916	-0.0262	0.57229	0.039326	0.3965	0.25544316	2.16E-08	0.19622	1.95E-05
0.5511	0.074934	0.10582	0.037031	0.42465	0.06075249	0.19	0.12699	0.006
3.42E-06	-0.26805	3.98E-09	-0.14692	0.00145	0.09441276	0.04141	0.024798	0.59298
0.01239	0.084577	0.06784	-0.08207	0.07642	0.08765616	0.05838	0.073815	0.11115
0.15929	-0.23692	2.22E-07	-0.29786	5.06E-11	-0.2567145	1.83E-08	-0.25934	1.29E-08
0.35908	-0.1354	0.00337	-0.23415	3.09E-07	-0.0179467	0.69889	-0.13965	0.00249
3.78E-08	-0.01968	0.67138	0.109912	0.0175	0.32181767	1.03E-12	0.361794	6.88E-16
0.55737	0.284745	3.68E-10	0.443067	7.10E-24	0.28887489	1.99E-10	0.170609	0.00021
0.00072	0.081706	0.07775	0.024989	0.59013	-0.056358	0.22413	-0.03531	0.44653
0.54186	0.036126	0.43607	0.090431	0.05082	0.3130969	4.43E-12	0.22794	6.41E-07
0.00146	-0.07378	0.11131	-0.07251	0.11761	0.02365404	0.61014	-0.01822	0.69454
0.87759	-0.00444	0.92369	-0.01672	0.7186	0.06785989	0.14313	0.054356	0.24105
0.00097	0.147169	0.00143	0.102579	0.02665	0.05457571	0.23915	0.001121	0.98073
0.00068	-0.01745	0.70682	-0.11697	0.01142	-0.1085024	0.01901	-0.13255	0.00411
3.21E-17	0.100454	0.02997	0.100355	0.03013	0.05447642	0.24001	0.002223	0.96178
0.32319	0.263659	7.25E-09	0.17323	0.00017	0.17661857	0.00012	0.141628	0.00216
0.03375	0.00069	0.98814	-0.05976	0.19738	-0.1571293	0.00066	-0.18191	7.70E-05
0.00539	-0.08063	0.08175	-0.03046	0.51143	0.01218267	0.79288	-0.0226	0.62608
0.00189	0.229775	5.18E-07	0.140115	0.00241	0.08158332	0.0782	0.058468	0.20724
0.62392	-0.09094	0.04954	-0.07753	0.09424	-0.0173665	0.70817	-0.09552	0.03908
0.23052	0.26737	4.37E-09	0.256145	1.97E-08	0.29581963	6.93E-11	0.284881	3.61E-10
0.72608	-0.02198	0.63559	0.091521	0.04808	0.06260804	0.1768	0.014281	0.75823
6.75E-06	-0.02145	0.64376	0.051099	0.27045	0.08021922	0.08333	0.024835	0.59243
0.02253	-0.09628	0.03753	0.090836	0.04979	0.2775124	1.05E-09	0.270838	2.70E-09
0.36544	0.116827	0.01152	0.066844	0.14923	0.06593979	0.15482	0.078939	0.08839
0.15595	0.127258	0.00589	0.06363	0.16983	0.01516513	0.74377	0.021696	0.64004
0.10595	0.226377	7.68E-07	0.051442	0.26725	-0.0911443	0.04901	-0.04423	0.34018
0.04455	0.097057	0.03602	0.014567	0.75355	-0.0559927	0.22716	-0.07068	0.12719
0.53376	0.150056	0.00114	0.095794	0.03851	0.01043898	0.82199	0.017451	0.70682
0.20727	-0.03899	0.40059	-0.21462	2.87E-06	-0.1551278	0.00077	-0.13855	0.00269
0.03673	0.011522	0.80387	-0.04942	0.28649	0.00875116	0.8504	0.056784	0.22064
0.87816	0.03361	0.46871	-0.0662	0.1532	-0.0191704	0.67946	0.016213	0.72675
0.01009	0.188871	4.00E-05	0.139893	0.00245	0.14245576	0.00203	0.253599	2.75E-08
0.00681	0.125199	0.00675	0.070696	0.12712	0.11764758	0.01095	0.213349	3.29E-06
6.35E-06	0.168819	0.00025	0.078298	0.09101	0.09100678	0.04936	0.104336	0.02414
0.00647	-0.02803	0.54573	-0.03947	0.39477	0.07303147	0.115	-0.1197	0.00962
0.05623	0.309537	7.92E-12	0.136633	0.00309	0.03342884	0.47111	0.137884	0.00283
0.00917	0.328843	3.08E-13	0.088524	0.05592	-0.0662697	0.15276	-0.01669	0.7191
0.02808	0.074986	0.10558	0.110786	0.01662	0.13042524	0.00476	0.127112	0.00595
0.66404	-0.04039	0.38387	0.098225	0.03383	0.28769891	2.37E-10	0.236985	2.20E-07

0.17097	0.12373	0.00743	0.226992	7.16E-07	0.08703653	0.06019	0.049769	0.28314
0.26485	-0.05686	0.22004	0.057837	0.21219	-0.0254308	0.58357	-0.03923	0.39771
0.21874	0.030129	0.51602	0.257724	1.60E-08	0.18083751	8.50E-05	-0.01234	0.79021
0.5943	-0.09786	0.0345	-0.02165	0.64068	-0.0067168	0.8849	0.064294	0.16541
0.26374	-0.16672	0.0003	-0.27896	8.54E-10	-0.1351107	0.00344	-0.06627	0.15275
0.87565	0.130668	0.00468	-0.11704	0.01137	-0.1537523	0.00086	-0.21837	1.90E-06
0.00654	0.308034	1.01E-11	0.253675	2.72E-08	0.29759928	5.27E-11	0.311845	5.44E-12
0.00209	0.242519	1.12E-07	0.355016	2.56E-15	0.26681858	4.71E-09	0.268981	3.50E-09
0.25388	0.052511	0.25742	-0.05689	0.21979	-0.0906241	0.05033	-0.10489	0.0234
0.00393	-0.0214	0.64463	0.188481	4.15E-05	0.413655	9.94E-21	0.31939	1.55E-12
0.7644	0.250329	4.19E-08	0.284335	3.91E-10	0.36152844	7.25E-16	0.323861	7.27E-13
0.01779	0.294786	8.13E-11	0.468045	8.46E-27	0.54947317	3.42E-38	0.376417	3.62E-17
0.37043	-0.01622	0.72661	0.316625	2.47E-12	0.34583851	1.45E-14	0.199448	1.41E-05
0.57172	-0.09808	0.0341	-0.07953	0.08603	0.23331019	3.42E-07	0.108612	0.01889
0.28108	-0.02965	0.52278	0.165034	0.00034	0.23698041	2.20E-07	0.200288	1.30E-05
0.79827	0.305083	1.62E-11	0.146901	0.00146	0.13394654	0.00373	0.172408	0.00018
0.40867	0.132638	0.00409	0.335404	9.66E-14	0.25740176	1.67E-08	0.187657	4.49E-05
0.00371	-0.18975	3.67E-05	-0.22604	7.98E-07	0.03351644	0.46995	0.020321	0.66139
0.02485	-0.05254	0.25719	-0.03138	0.4988	0.08993039	0.05212	0.172008	0.00019
0.00082	0.169177	0.00024	0.002152	0.96301	-0.1681275	0.00026	-0.22003	1.58E-06
1.83E-22	0.162298	0.00043	0.168907	0.00025	0.2135703	3.21E-06	0.30806	1.01E-11
0.95028	0.04735	0.30722	0.12123	0.00873	-0.2022031	1.07E-05	-0.27	3.04E-09
0.01907	0.142816	0.00198	0.076929	0.09682	0.12909425	0.00521	0.21121	4.14E-06
0.87109	-0.34656	1.26E-14	-0.23603	2.47E-07	0.15463398	0.0008	0.211965	3.82E-06
0.29707	0.271025	2.63E-09	0.235965	2.49E-07	0.18853165	4.13E-05	0.194277	2.36E-05
0.00155	0.007875	0.86523	0.066362	0.15219	0.1995261	1.40E-05	0.198724	1.52E-05
0.09345	0.149008	0.00124	0.106095	0.02184	0.02939835	0.52625	-0.04839	0.2967
0.64076	-0.00098	0.98323	-0.08169	0.07781	-0.0251141	0.58827	0.029919	0.51895
0.00332	0.306579	1.28E-11	0.369001	1.64E-16	0.27849439	9.14E-10	0.074937	0.10581
1.37E-08	0.189164	3.89E-05	0.109162	0.01829	0.08474229	0.0673	0.069173	0.13554
0.33236	0.248574	5.24E-08	0.207658	6.04E-06	0.12317462	0.0077	0.082658	0.07434
0.62533	0.125965	0.00642	0.056839	0.2202	0.02713075	0.55866	0.067945	0.14263
0.00015	0.137977	0.00281	0.030372	0.51264	0.00726666	0.87555	0.057722	0.2131
0.25868	0.23027	4.89E-07	0.201336	1.16E-05	0.1366301	0.00309	0.129208	0.00517
0.18681	-0.03965	0.39263	0.026805	0.56339	0.1551087	0.00077	0.202606	1.02E-05
0.00297	0.105888	0.0221	0.242634	1.10E-07	0.28076524	6.58E-10	0.289107	1.92E-10
0.00108	0.128035	0.00559	0.009598	0.83612	0.31665835	2.46E-12	0.142882	0.00197
0.01073	0.068031	0.14213	-0.18437	6.13E-05	0.00285302	0.95097	0.058298	0.20856
0.00365	0.276215	1.27E-09	0.132821	0.00404	-0.0348531	0.45242	-0.04351	0.34812
0.42004	0.059231	0.20136	-0.19548	2.10E-05	-0.1486974	0.00127	-0.15772	0.00062
0.30745	-0.0785	0.09019	-0.05272	0.25554	0.07207739	0.11984	0.079946	0.08439
0.00019	-0.07773	0.09338	0.091495	0.04815	0.27621503	1.27E-09	0.305886	1.43E-11
0.78307	0.096159	0.03778	0.210761	4.35E-06	0.16368275	0.00038	0.069474	0.13384
0.66785	0.049056	0.2901	-0.06384	0.16842	0.05457264	0.23918	0.18295	6.99E-05
6.91E-06	0.001543	0.97348	0.240161	1.50E-07	0.33683033	7.48E-14	0.161786	0.00045

0.51117	0.318598	1.78E-12	0.219403	1.69E-06	0.06346664	0.17093	0.067757	0.14374
0.73717	0.136255	0.00317	-0.04404	0.34235	0.03959532	0.39327	0.158293	0.0006
0.2775	0.118436	0.01042	0.241218	1.31E-07	0.06196635	0.18129	0.095632	0.03884
0.0085	-0.05138	0.26785	-0.13208	0.00425	0.05359182	0.24774	-0.07274	0.11645
1.36E-07	0.306771	1.24E-11	0.192575	2.79E-05	0.12809758	0.00557	0.168488	0.00025
0.00237	-0.04295	0.35436	0.125063	0.00681	0.25237856	3.22E-08	0.053832	0.24562
0.01943	-0.04202	0.36489	-0.08232	0.07553	-0.0394999	0.39441	0.016253	0.72611
0.78889	0.044122	0.3414	-0.10179	0.02784	-0.0008723	0.985	0.103706	0.02502
0.35981	0.05349	0.24864	0.183891	6.40E-05	0.08952779	0.05319	0.115534	0.01248
0.56627	0.143982	0.00181	0.227895	6.45E-07	0.34782839	9.98E-15	0.187835	4.41E-05
0.53354	0.113894	0.01379	0.326492	4.63E-13	0.52984664	3.70E-35	0.339143	4.93E-14
0.31362	0.041894	0.36636	-0.17335	0.00017	0.17135494	0.0002	-0.01269	0.78442
0.18356	0.214048	3.05E-06	0.209667	4.88E-06	0.14710459	0.00143	0.057473	0.21509
0.02724	0.102133	0.02732	0.051986	0.26222	0.31804022	1.95E-12	0.22953	5.33E-07
1.85E-10	0.084142	0.06927	-0.07148	0.12297	0.04746353	0.30606	0.185409	5.55E-05
2.99E-12	0.045797	0.32337	-0.02855	0.53824	-0.0324395	0.48435	-0.13995	0.00244
7.17E-12	0.029683	0.52226	-0.0181	0.69642	0.09336203	0.04374	0.15872	0.00058
4.49E-09	0.016286	0.72557	-0.02932	0.52729	0.02290888	0.62145	-0.00591	0.89864
0.01642	0.012636	0.78535	-0.09033	0.05108	-0.3689435	1.66E-16	-0.30162	2.81E-11
0.09835	-0.01311	0.77756	-0.10921	0.01823	0.02074879	0.65471	0.100759	0.02947
0.63777	-0.03823	0.4098	0.105359	0.02278	0.34960046	7.16E-15	0.313429	4.19E-12
5.24E-07	-0.04841	0.29655	-0.0973	0.03555	-0.0710787	0.12507	-0.16875	0.00025
0.01902	-0.09548	0.03916	-0.08389	0.07011	0.00050108	0.99138	0.052305	0.2593
0.03249	0.196771	1.85E-05	0.1886	4.10E-05	0.1452755	0.00165	0.11495	0.01293
0.00117	-0.03707	0.42421	0.022294	0.63083	0.18807194	4.32E-05	0.141247	0.00222
0.01977	0.117279	0.0112	-0.01214	0.79365	0.09907673	0.03231	-0.0719	0.12075
0.81471	0.228406	6.08E-07	0.320831	1.22E-12	0.31295193	4.54E-12	0.096382	0.03733
0.32751	0.063199	0.17274	-0.0102	0.82605	0.02347444	0.61286	0.047206	0.3087
0.14518	0.081809	0.07737	-0.03099	0.50404	0.0160743	0.729	-0.03548	0.44435
0.00051	0.206823	6.60E-06	0.058953	0.20349	-0.029927	0.51884	0.00109	0.98125
0.27632	0.123204	0.00769	0.062243	0.17935	0.20279212	1.00E-05	0.283053	4.72E-10
0.0501	0.024535	0.5969	-0.0387	0.40403	0.04974541	0.28337	0.075799	0.10184
0.05966	0.083263	0.07223	0.138753	0.00266	0.09409051	0.04212	0.076716	0.09775
0.07558	0.022753	0.62382	0.039697	0.39206	0.07196534	0.12042	0.152468	0.00095
0.91152	0.157828	0.00062	0.236867	2.23E-07	0.37083918	1.13E-16	0.053151	0.25165
0.02798	0.226997	7.15E-07	0.493674	4.64E-30	0.17951673	9.59E-05	-0.02859	0.53763
0.54107	0.034562	0.4562	-0.05296	0.25336	0.07321628	0.11408	0.197932	1.64E-05
0.00155	0.116279	0.01192	-0.0453	0.3287	-0.0217234	0.63961	0.031383	0.4987
0.05337	0.321179	1.15E-12	0.299964	3.64E-11	0.1683694	0.00026	0.214021	3.06E-06
0.03286	-0.08434	0.06861	-0.12644	0.00622	-0.0846746	0.06752	0.014921	0.74776
0.45051	0.138854	0.00264	0.015226	0.74279	0.02808524	0.5449	0.092668	0.04534
0.23695	0.247042	6.36E-08	0.107089	0.02063	0.13020595	0.00483	0.226008	8.02E-07
2.52E-21	-0.23728	2.12E-07	-0.11715	0.01129	0.01164975	0.80175	-0.05124	0.26918
0.00096	0.216656	2.29E-06	0.354147	3.03E-15	0.35011756	6.50E-15	0.202981	9.83E-06
0.05146	-0.02732	0.55591	-0.0355	0.44408	-0.0633984	0.17139	-0.08073	0.08139

0.19482	0.118923	0.01011	-0.03405	0.46291	0.14083591	0.00228	-0.05347	0.24886
0.04888	0.113591	0.01405	0.037304	0.42124	0.18882213	4.02E-05	0.154599	0.0008
0.23483	0.184361	6.13E-05	0.201738	1.12E-05	0.08361627	0.07103	-0.1403	0.00238
0.11039	0.267052	4.56E-09	0.219222	1.73E-06	0.36257977	5.90E-16	0.348069	9.54E-15
0.56096	0.072074	0.11985	0.14291	0.00196	-0.0276977	0.55046	-0.18166	7.88E-05
0.97695	0.11165	0.01578	-0.08022	0.08332	-0.0576648	0.21356	-0.09008	0.05172
0.01268	0.023464	0.61302	-0.06182	0.18234	0.08743013	0.05903	0.186572	4.98E-05
0.23107	0.187437	4.58E-05	0.097474	0.03522	0.11910728	0.00999	0.192868	2.71E-05
0.47447	0.131307	0.00448	0.040098	0.38729	0.02756925	0.55232	0.088421	0.05621
0.96304	0.034156	0.46152	0.361216	7.71E-16	0.39597205	5.56E-19	0.278797	8.75E-10
0.00145	0.178589	0.0001	-0.07936	0.08671	-0.1292648	0.00515	-0.07464	0.10722
0.0268	0.20274	1.01E-05	0.2549	2.32E-08	0.00253337	0.95646	-0.10486	0.02343
0.47339	-0.13954	0.00251	-0.16945	0.00023	-0.0638248	0.16852	-0.01217	0.79311
0.05439	0.03468	0.45467	-0.04144	0.37159	-0.0166553	0.71961	-0.00471	0.9192
0.71184	-0.00983	0.83218	-0.06816	0.14139	-0.1544139	0.00081	-0.24185	1.22E-07
0.10603	0.082983	0.0732	0.01087	0.81476	-0.0282864	0.54202	-0.07763	0.09382
0.1508	0.317022	2.31E-12	0.448528	1.71E-24	0.34048778	3.86E-14	0.290562	1.54E-10
0.05642	0.017954	0.69877	0.00061	0.98951	0.10818011	0.01937	0.233977	3.16E-07
0.14161	0.050613	0.27504	-0.07734	0.09503	-0.031042	0.50338	-0.04617	0.31944
0.01995	0.098997	0.03245	0.154548	0.00081	0.15503476	0.00077	0.072822	0.11605
0.36876	0.255305	2.20E-08	0.097923	0.03438	0.26776964	4.13E-09	0.23501	2.79E-07
4.18E-26	-0.25807	1.53E-08	-0.0549	0.23638	0.33493132	1.05E-13	0.302486	2.45E-11
0.30748	-0.25898	1.36E-08	-0.26112	1.02E-08	-0.2936884	9.61E-11	-0.39416	8.29E-19
0.51482	-0.14461	0.00173	-0.1128	0.01473	-0.1071168	0.0206	-0.20345	9.37E-06
0.07924	-0.11747	0.01107	-0.02065	0.65622	0.1643892	0.00036	0.208668	5.43E-06
0.97044	-0.13135	0.00447	-0.17048	0.00021	-0.081605	0.07812	-0.0715	0.12282
0.02197	0.009007	0.84607	-0.0733	0.11366	-0.1848309	5.86E-05	-0.1582	0.0006
0.00281	-0.30778	1.05E-11	-0.1282	0.00553	-0.0286955	0.53619	-0.05529	0.23309
0.34035	-0.17941	9.68E-05	-0.17314	0.00017	-0.1757779	0.00013	-0.21097	4.25E-06
0.0257	-0.10927	0.01817	-0.03812	0.4112	-0.0608194	0.18952	-0.10738	0.02028
0.74258	-0.04592	0.32205	-0.10616	0.02177	-0.1483097	0.00131	-0.19382	2.47E-05
0.13846	-0.1728	0.00018	-0.17621	0.00013	-0.1768119	0.00012	-0.10036	0.03013
0.0587	-0.13856	0.00269	-0.11503	0.01287	-0.110904	0.0165	-0.19007	3.56E-05
0.53454	-0.24394	9.38E-08	-0.21943	1.69E-06	-0.1319343	0.00429	-0.18221	7.49E-05
0.98733	-0.04502	0.33171	-0.122	0.00831	-0.0381521	0.41076	-0.24303	1.05E-07
0.70886	-0.16886	0.00025	-0.24028	1.47E-07	-0.0733529	0.11341	-0.15663	0.00068
0.83847	-0.14445	0.00175	-0.03033	0.51323	0.10231524	0.02704	-0.03416	0.4615
0.09806	-0.05905	0.20273	-0.13257	0.00411	-0.2979381	5.00E-11	-0.39906	2.80E-19
0.92788	0.047479	0.30591	-0.01864	0.68791	0.09078104	0.04993	0.134841	0.00351
0.00117	0.067805	0.14346	-0.0554	0.2321	-0.2120762	3.77E-06	-0.21956	1.66E-06
0.33232	-0.08084	0.08095	-0.12813	0.00556	-0.0819195	0.07697	-0.07529	0.10417
0.48269	-0.02791	0.54742	-0.05641	0.22367	-0.0249224	0.59112	-0.09401	0.04229
0.41386	-0.10252	0.02673	-0.12741	0.00583	-0.1202162	0.00931	-0.1576	0.00063
0.38763	-0.14378	0.00184	-0.18188	7.72E-05	-0.0232265	0.61662	-0.06294	0.17449
0.0023	-0.14824	0.00132	-0.22044	1.51E-06	-0.2809036	6.45E-10	-0.28352	4.40E-10

0.00707	-0.22473	9.28E-07	-0.17724	0.00012	-0.111493	0.01593	-0.18639	5.06E-05
0.00065	-0.10181	0.02782	-0.06965	0.13283	-0.2260887	7.94E-07	-0.31114	6.10E-12
0.81239	-0.12309	0.00774	-0.03201	0.49009	0.00698813	0.88028	-0.00037	0.99371
0.12955	-0.05255	0.25709	0.029657	0.52261	-0.0067176	0.88488	-0.04086	0.37827
0.07731	-0.10971	0.01771	-0.07258	0.11729	0.0210248	0.65042	-0.0717	0.12177
0.78847	0.15616	0.00071	-0.02258	0.62645	-0.0016502	0.97163	-0.02	0.66634
0.00371	0.018445	0.69094	-0.04947	0.28607	-0.1489797	0.00124	-0.24274	1.09E-07
0.25449	-0.1022	0.02721	-0.10325	0.02566	-0.1862591	5.13E-05	-0.22466	9.35E-07
0.11732	-0.15799	0.00061	-0.1373	0.00295	-0.1251505	0.00677	-0.14467	0.00172
0.06656	-0.11616	0.01201	-0.06444	0.16442	-0.084457	0.06823	-0.16321	0.0004
0.53011	-0.10468	0.02368	-0.03726	0.4218	-0.0871213	0.05994	-0.2145	2.90E-06
0.67822	-0.02243	0.62883	-0.13734	0.00294	-0.0906584	0.05024	0.007898	0.86484
0.56647	-0.17239	0.00018	-0.14147	0.00218	0.02278545	0.62333	-0.07093	0.12586
0.00419	0.040528	0.38221	0.024632	0.59545	-0.0205729	0.65745	-0.01664	0.71981
0.88204	-0.12706	0.00597	-0.078	0.09225	-0.1942015	2.38E-05	-0.29873	4.42E-11
0.69296	-0.16725	0.00028	-0.13731	0.00295	-0.0777711	0.09321	-0.16666	0.0003
0.20934	-0.04126	0.37363	-0.03887	0.40195	0.00872512	0.85084	0.00185	0.96819
0.78248	-0.26872	3.62E-09	-0.27361	1.83E-09	-0.070231	0.12964	-0.06289	0.17488
0.03538	-0.07381	0.11118	-0.02534	0.58492	-0.1219955	0.00831	-0.14637	0.00152
1.72E-17	-0.14952	0.00119	-0.14584	0.00158	-0.0231673	0.61752	-0.05272	0.25554
0.23605	-0.11954	0.00972	-0.03424	0.46046	-0.1599649	0.00052	-0.25167	3.53E-08
0.03031	-0.07239	0.11826	-0.09904	0.03237	-0.1854905	5.51E-05	-0.26149	9.71E-09
0.53528	-0.12876	0.00532	-0.11761	0.01097	-0.1229443	0.00782	-0.28612	3.00E-10
0.2657	0.026376	0.56965	0.02724	0.55708	-0.1107538	0.01665	-0.21655	2.32E-06
0.23098	-0.03565	0.4422	-0.0786	0.08977	-0.0733678	0.11334	-0.15371	0.00086
0.15978	-0.24217	1.17E-07	-0.11168	0.01576	-0.1943001	2.36E-05	-0.27931	8.12E-10
0.26043	-0.06491	0.16138	-0.03332	0.47261	-0.0192643	0.67798	-0.07489	0.10601
3.71E-22	-0.05991	0.19622	-0.01	0.82933	-0.0455376	0.32613	-0.13309	0.00396
0.20631	-0.1409	0.00227	-0.24745	6.04E-08	-0.1471186	0.00143	-0.10073	0.02951
0.31457	-0.14823	0.00132	-0.37601	3.94E-17	-0.1546037	0.0008	-0.0435	0.3483
0.14557	-0.10454	0.02387	-0.24535	7.86E-08	-0.0600095	0.19549	-0.07678	0.09746
0.22352	-0.08273	0.07408	0.044569	0.33653	-0.0597296	0.19759	-0.24715	6.27E-08
0.25464	-0.30368	2.03E-11	-0.12902	0.00523	0.0839007	0.07007	0.007124	0.87797
0.13379	-0.01006	0.82842	0.002874	0.95061	-0.0555526	0.23084	-0.05823	0.20909
2.03E-06	-0.20105	1.20E-05	-0.11165	0.01579	-0.1211672	0.00876	-0.21249	3.61E-06
8.40E-10	0.001344	0.97689	-0.05288	0.25406	-0.1220768	0.00827	-0.15487	0.00079
0.0007	-0.16273	0.00041	-0.10455	0.02386	-0.1711178	0.0002	-0.25502	2.29E-08
0.09918	0.110229	0.01717	0.019471	0.67472	-0.1039227	0.02471	-0.1087	0.01879
0.19048	0.168298	0.00026	0.124305	0.00716	0.02722975	0.55722	0.007366	0.87385
0.64772	-0.09873	0.03292	-0.08677	0.06097	-0.048436	0.29625	-0.19008	3.56E-05
0.50725	-0.05306	0.25251	-0.02169	0.64018	0.05722482	0.21708	-0.01433	0.75746
0.84623	-0.06128	0.18621	-0.01486	0.74882	0.00329839	0.94333	-0.00982	0.83232
0.14688	-0.02881	0.53457	-0.26322	7.69E-09	-0.3364791	7.97E-14	-0.35026	6.33E-15
0.31194	-0.03459	0.45586	-0.12186	0.00838	-0.0681813	0.14124	0.011137	0.8103
0.06045	0.104074	0.0245	-0.02434	0.5998	-0.2293519	5.44E-07	-0.39494	6.98E-19

0.09121	0.232849	3.61E-07	0.241488	1.27E-07	0.17939962	9.69E-05	0.123697	0.00745
0.10419	-0.02688	0.56228	-0.09053	0.05056	-0.16363	0.00038	-0.25629	1.93E-08
0.96831	0.010378	0.82301	-0.07272	0.11657	0.01904567	0.68143	-0.10844	0.01907
0.13471	0.222645	1.18E-06	0.023892	0.60655	-0.1645082	0.00036	-0.1221	0.00826
0.1928	0.013856	0.76522	-0.05846	0.20728	-0.049157	0.28911	-0.06114	0.18722
0.42405	-0.19928	1.43E-05	-0.05629	0.22467	0.11131972	0.0161	0.046274	0.31836
0.40243	-0.16151	0.00046	-0.23938	1.65E-07	-0.2909603	1.45E-10	-0.35872	1.25E-15
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1.05E-05	-0.05866	0.20576	-0.04555	0.32595	-0.0457408	0.32397	-0.08663	0.06141
0.00032	0.018519	0.68977	0.000552	0.99051	-0.122753	0.00792	-0.2479	5.71E-08
0.16117	-0.17016	0.00022	-0.21825	1.92E-06	-0.1047657	0.02356	-0.15404	0.00084
0.33785	-0.11339	0.01421	-0.20808	5.78E-06	-0.0386027	0.40525	-0.03585	0.43962
0.71462	-0.01338	0.773	-0.08457	0.06787	-0.0796215	0.08566	-0.07757	0.09405
0.28291	-0.05622	0.22526	-0.14702	0.00144	-0.1172275	0.01124	-0.09261	0.04546
0.85931	0.006605	0.88679	-0.08971	0.0527	-0.0628436	0.17517	-0.07504	0.10533
0.00017	-0.22569	8.32E-07	-0.218	1.98E-06	-0.0503618	0.27743	-0.03318	0.47447
0.12355	-0.05278	0.25498	-0.09024	0.05132	-0.0766824	0.0979	-0.11511	0.0128
0.00525	0.018904	0.68368	0.01962	0.67237	0.04294883	0.35441	-0.12187	0.00838
0.82633	0.093202	0.0441	-0.03903	0.40011	-0.017418	0.70734	-0.11346	0.01416
0.01906	0.179861	9.29E-05	0.083076	0.07288	-0.0050135	0.91395	0.026062	0.57427
0.58762	-0.03011	0.51624	-0.06931	0.13475	0.05174926	0.2644	-0.01086	0.81488
0.58694	-0.25042	4.14E-08	-0.17152	0.0002	-0.4201896	2.11E-21	-0.46742	1.01E-26
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0.10623	-0.1067	0.0211	-0.10695	0.0208	-0.2565986	1.86E-08	-0.2986	4.51E-11
0.15407	0.104066	0.02451	0.104523	0.02389	0.08417084	0.06917	-0.02623	0.57186
0.59079	-0.04121	0.37421	-0.20685	6.58E-06	-0.102549	0.02669	-0.01108	0.81124
0.25634	-0.01497	0.74695	-0.04194	0.36586	0.15210025	0.00098	0.240849	1.37E-07
0.08833	-0.04758	0.30486	0.053044	0.25262	0.12114285	0.00878	-0.0528	0.2548
0.01204	-0.20032	1.29E-05	-0.06308	0.17357	0.15153856	0.00102	0.010448	0.82183
0.10716	-0.10074	0.0295	-0.06828	0.14067	-0.1537344	0.00086	-0.25486	2.33E-08
0.69209	-0.1751	0.00014	-0.08268	0.07425	0.00296187	0.9491	-0.0321	0.489
0.81981	-0.11821	0.01057	-0.10917	0.01828	-0.214847	2.80E-06	-0.22955	5.32E-07
0.0034	0.068463	0.1396	-0.00793	0.86421	-0.2050581	7.93E-06	-0.26616	5.16E-09
0.06608	-0.0871	0.06001	-0.04889	0.29178	-0.2549452	2.31E-08	-0.32013	1.37E-12
0.71764	-0.129	0.00524	-0.09615	0.03779	-0.1035743	0.0252	-0.09614	0.03782
0.6653	-0.22174	1.30E-06	-0.12469	0.00698	-0.2188257	1.80E-06	-0.34357	2.20E-14
0.00058	-0.14002	0.00242	-0.10498	0.02328	-0.3305898	2.27E-13	-0.49807	1.20E-30
0.0411	-0.12191	0.00835	-0.17129	0.0002	-0.1527113	0.00093	-0.14801	0.00134
0.66837	-0.01518	0.74357	0.064819	0.16197	0.07643076	0.09901	-0.00543	0.90682
0.20856	0.078114	0.09178	-0.00504	0.91353	-0.0421185	0.3638	-0.01031	0.82414
0.25083	0.136109	0.00321	0.074709	0.10687	-0.109903	0.01751	-0.14966	0.00118
0.44331	-0.14355	0.00187	-0.15362	0.00087	-0.0932266	0.04405	-0.05981	0.19698
0.3013	-0.04474	0.3347	-0.12911	0.0052	-0.0910891	0.04915	-0.13319	0.00393
0.49551	-0.01006	0.82832	-0.02683	0.56308	-0.0427237	0.35694	-0.1287	0.00535
0.94434	0.141888	0.00212	-0.00219	0.96243	0.05706411	0.21837	0.100037	0.03066



0.39873	-0.01118	0.80957	0.017497	0.70607	-0.03126	0.50038	-0.13502	0.00346
0.82887	-0.34114	3.43E-14	-0.20712	6.39E-06	-0.0074798	0.87193	-0.05204	0.26171
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0.37739	-0.07378	0.11133	-0.21945	1.68E-06	-0.2007643	1.23E-05	-0.16761	0.00027
0.76447	0.05886	0.2042	0.080122	0.0837	-0.0186931	0.68701	-0.08834	0.05644
0.62396	-0.12596	0.00642	-0.02675	0.56425	0.15812336	0.0006	0.093977	0.04236
0.01519	-0.04901	0.29055	-0.08091	0.0807	-0.1959832	2.00E-05	-0.25251	3.17E-08
0.23578	-0.01523	0.74271	-0.03422	0.46066	0.06114519	0.18715	0.009653	0.83519
0.50186	-0.05644	0.22342	-0.08708	0.06005	-0.0177355	0.70226	-0.02413	0.60296
0.4497	0.05426	0.24189	0.045616	0.32529	-0.2207633	1.45E-06	-0.3318	1.83E-13
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0.53105	-0.08242	0.07519	-0.1902	3.52E-05	-0.0145807	0.75332	0.077672	0.09363
0.38822	0.093538	0.04334	0.053167	0.25151	-0.0692445	0.13513	-0.12905	0.00522
6.92E-05	0.019711	0.67094	-0.0516	0.2658	0.17891879	0.0001	0.145545	0.00161
0.04117	-0.04049	0.38266	-0.06653	0.15115	-0.0546453	0.23855	-0.08135	0.07905
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0.07644	-0.11434	0.01342	-0.09363	0.04313	-0.0708521	0.12628	-0.02598	0.57547
0.71572	-0.04699	0.31096	-0.12767	0.00573	-0.1342005	0.00367	-0.06746	0.14554
0.03184	-0.0835	0.07142	-0.13922	0.00257	-0.082266	0.07573	-0.0094	0.83943
0.59241	-0.05884	0.20437	-0.06831	0.1405	0.01476255	0.75035	0.093325	0.04382
0.01949	0.018519	0.68977	0.017832	0.70071	-0.172606	0.00018	-0.26708	4.54E-09
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0.63237	0.021867	0.6374	-0.2924	1.17E-10	-0.177583	0.00011	-0.20834	5.62E-06
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0.63138	-0.12534	0.00669	-0.12177	0.00844	0.00377375	0.93518	0.017313	0.70903
0.01901	0.001083	0.98137	0.019209	0.67884	-0.1176269	0.01096	-0.22406	1.00E-06
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0.00062	0.171815	0.00019	-0.00347	0.94039	-0.2002735	1.30E-05	-0.29712	5.68E-11
0.00215	-0.14707	0.00144	-0.03989	0.38973	-0.2107304	4.36E-06	-0.3266	4.54E-13
0.46466	-0.05531	0.23287	-0.12495	0.00686	-0.1339896	0.00372	-0.21472	2.83E-06
0.90529	-0.15576	0.00073	-0.20689	6.55E-06	-0.1097638	0.01765	-0.16443	0.00036
0.0461	-0.17983	9.32E-05	-0.23356	3.31E-07	-0.2211741	1.39E-06	-0.17271	0.00018
0.10707	-0.09501	0.04013	-0.15276	0.00093	-0.0753663	0.10382	-0.07154	0.12261
0.77862	-0.03873	0.40373	0.04942	0.28653	0.04813402	0.29927	-0.07631	0.09953
0.62988	0.11404	0.01367	-0.00588	0.89915	0.04579899	0.32335	-0.03519	0.44812
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0.00084	-0.13439	0.00362	-0.04855	0.2951	-0.0972188	0.03571	-0.22431	9.74E-07
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0.94742	-0.31713	2.27E-12	-0.30689	1.21E-11	0.02493539	0.59092	0.068755	0.13792
0.82038	-0.04349	0.34836	-0.02753	0.55291	0.06485706	0.16173	-0.00871	0.85104
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0.01358	0.128374	0.00547	0.027526	0.55295	-0.1388289	0.00264	-0.20348	9.34E-06
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0.75307	-0.08848	0.05605	-0.04331	0.35042	-0.0078888	0.86499	-0.08376	0.07056
0.81346	-0.15292	0.00092	-0.2742	1.69E-09	-0.041438	0.37161	0.031353	0.49911
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0.09695	0.173296	0.00017	0.104298	0.0242	-0.0194839	0.67451	-0.04993	0.28159
0.00286	0.008555	0.85371	0.017733	0.7023	-0.0750984	0.10505	-0.16522	0.00034
0.5077	-0.09564	0.03882	-0.11716	0.01128	-0.039188	0.39816	-0.09571	0.03868
0.72045	-0.06668	0.1502	0.066098	0.15383	0.01450776	0.75451	-0.06559	0.15702
0.6145	-0.09583	0.03845	-0.11398	0.01372	-0.2487602	5.12E-08	-0.36198	6.64E-16
0.04437	-0.03005	0.51708	-0.079	0.08814	-0.1534879	0.00088	-0.22789	6.45E-07
0.07555	-0.05614	0.22593	-0.15345	0.00088	-0.107528	0.02011	-0.07772	0.09341
0.12739	-0.02393	0.60604	0.112707	0.01482	0.0354444	0.44478	-0.07079	0.1266
0.00046	-0.24284	1.08E-07	-0.07596	0.10112	-0.0274073	0.55465	-0.08938	0.05358
0.04605	-0.06431	0.16529	-0.03962	0.39298	-0.0545388	0.23947	-0.16806	0.00026
0.33291	-0.20052	1.26E-05	-0.15935	0.00055	-0.1487616	0.00126	-0.27236	2.18E-09
0.62266	-0.09214	0.04658	-0.08206	0.07645	-0.0353845	0.44555	-0.04054	0.38208
0.04274	0.187551	4.53E-05	0.032514	0.48334	-0.1070362	0.02069	-0.2034	9.42E-06
0.51219	-0.04781	0.30258	-0.0387	0.40406	0.00144052	0.97523	-0.03742	0.41985
0.40317	-0.0258	0.57807	-0.15003	0.00115	-0.1283472	0.00548	-0.17444	0.00015
0.22235	-0.20414	8.73E-06	-0.13436	0.00363	-0.1882242	4.25E-05	-0.33503	1.03E-13
0.70469	-0.11936	0.00983	0.008959	0.84689	-0.0168576	0.71635	-0.11002	0.01739
0.80178	-0.09717	0.0358	-0.22246	1.20E-06	-0.182598	7.22E-05	-0.14968	0.00118
0.72841	-0.06018	0.19421	-0.12042	0.00919	-0.1072387	0.02045	-0.04649	0.31605
0.06085	-0.2126	3.57E-06	-0.03599	0.43774	-0.021344	0.64547	-0.16153	0.00046
0.49997	-0.24809	5.57E-08	-0.20327	9.55E-06	-0.2060939	7.12E-06	-0.34315	2.37E-14
0.16699	-0.03217	0.48797	-0.10059	0.02975	-0.1197093	0.00962	-0.09891	0.0326
0.01682	-0.15138	0.00103	-0.14305	0.00194	0.01846712	0.6906	0.104388	0.02407
0.00457	0.240687	1.40E-07	0.000361	0.9938	-0.2842737	3.94E-10	-0.33516	1.01E-13
0.22	-0.00143	0.97545	-0.03781	0.41496	-0.1020947	0.02737	-0.19189	2.99E-05
0.54067	-0.04765	0.30412	-0.02559	0.58119	-0.0985406	0.03326	-0.19878	1.51E-05
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0.55189	-0.0546	0.23891	-0.11643	0.01181	-0.1166964	0.01161	-0.1227	0.00794
0.29745	-0.05281	0.25475	-0.14136	0.0022	-0.1138532	0.01382	-0.10641	0.02145
0.16082	0.069609	0.13308	0.048058	0.30003	-0.056662	0.22164	-0.10193	0.02762
0.05075	-0.16825	0.00026	-0.0537	0.24679	-0.0377107	0.41619	-0.19621	1.95E-05
0.01343	-0.04643	0.31667	-0.00622	0.89333	-0.1185738	0.01033	-0.16727	0.00028
0.31778	-0.21546	2.61E-06	-0.2649	6.12E-09	-0.1728747	0.00017	-0.29886	4.33E-11
0.01297	0.047992	0.3007	-0.06183	0.18223	-0.1574683	0.00064	-0.15685	0.00067
0.13552	-0.10515	0.02305	-0.05138	0.26778	0.07381686	0.11114	0.006524	0.88819
0.59293	0.060403	0.19257	0.081282	0.07931	0.00841104	0.85615	-0.09793	0.03437
0.65063	-0.14698	0.00145	-0.26949	3.26E-09	-0.173508	0.00016	-0.071	0.12547
0.00218	-0.07464	0.10722	-0.10908	0.01837	-0.1790561	0.0001	-0.29615	6.58E-11
0.03463	-0.05678	0.22066	-0.03909	0.39936	-0.1454031	0.00163	-0.21696	2.22E-06

0.15011	0.025075	0.58884	-0.04901	0.29052	-0.0595989	0.19857	-0.11633	0.01188
0.30696	-0.3124	4.97E-12	-0.23868	1.79E-07	-0.0728876	0.11572	-0.06261	0.17679
0.00033	-0.08097	0.08046	-0.09902	0.03241	0.00938527	0.8397	0.111574	0.01586
0.03561	0.064825	0.16193	0.009193	0.84294	-0.0829878	0.07319	-0.09365	0.0431
0.22155	-0.1311	0.00454	-0.16873	0.00025	-0.1529743	0.00091	-0.25648	1.89E-08
0.1095	-0.1359	0.00325	-0.23009	4.99E-07	-0.205882	7.28E-06	-0.16365	0.00038
0.00451	-0.11863	0.01029	-0.08686	0.06071	-0.1888027	4.02E-05	-0.23285	3.61E-07
0.98454	-0.11379	0.01388	-0.14107	0.00225	-0.120026	0.00943	-0.19194	2.97E-05
0.65829	0.008392	0.85647	-0.04185	0.36682	-0.1117462	0.01569	-0.15263	0.00094
0.0428	-0.12621	0.00631	0.000946	0.98373	-0.0084487	0.85551	-0.06381	0.16859
0.02282	0.102297	0.02707	-0.00842	0.85598	0.00404139	0.93059	0.050291	0.27811
0.03257	-0.31725	2.22E-12	-0.32506	5.92E-13	-0.0234941	0.61256	-0.09344	0.04357
0.09281	-0.03421	0.46077	-0.05852	0.2068	-0.0530398	0.25265	-0.01225	0.79179
0.13844	-0.03297	0.4772	-0.14775	0.00137	-0.0993154	0.03189	-0.01395	0.76359
0.70789	-0.20401	8.84E-06	-0.14012	0.00241	-0.0846479	0.0676	-0.14142	0.00219
0.145	0.06195	0.1814	-0.01968	0.67146	0.01397525	0.76325	-0.00548	0.90598
0.1806	-0.14121	0.00222	-0.09683	0.03646	-0.0593481	0.20047	-0.14643	0.00151
0.22767	0.042917	0.35477	-0.06891	0.13706	-0.1168002	0.01154	-0.25189	3.43E-08
0.16249	-0.07434	0.10862	-0.07271	0.1166	-0.1412999	0.00221	-0.27047	2.85E-09
0.01595	-0.192	2.95E-05	-0.20003	1.33E-05	-0.1392378	0.00256	-0.13068	0.00468
8.03E-12	-0.16183	0.00045	-0.14392	0.00182	-0.0581026	0.2101	-0.19835	1.58E-05
0.1259	0.019713	0.67092	0.087416	0.05908	0.02536402	0.58456	-0.03648	0.43164
0.36292	0.141671	0.00215	0.048651	0.2941	-0.13162	0.00438	-0.17896	0.0001
0.72153	0.1101	0.01731	0.028597	0.53759	-0.0529824	0.25317	-0.07017	0.12998
0.46467	-0.08358	0.07117	-0.18759	4.52E-05	-0.0100622	0.82831	-0.01643	0.72322
0.00957	-0.14261	0.00201	-0.08673	0.0611	-0.1000139	0.0307	-0.20462	8.30E-06
0.03698	-0.16409	0.00037	-0.19075	3.34E-05	-0.0111399	0.81025	0.01394	0.76383
0.10248	0.078568	0.0899	-0.01488	0.74834	-0.0232402	0.61641	-0.01844	0.69103
0.58466	0.002412	0.95855	0.029509	0.52469	0.05189451	0.26306	0.089143	0.05422
0.28043	-0.20117	1.18E-05	-0.05199	0.2622	0.10972622	0.01769	0.183409	6.70E-05
0.23449	-0.02736	0.55527	0.015395	0.74002	0.04482221	0.33379	0.040607	0.38129
0.07339	-0.12641	0.00623	-0.04212	0.36375	0.06939013	0.13431	0.125819	0.00648
0.65482	0.114288	0.01346	0.030207	0.51493	0.03405563	0.46283	0.053715	0.24665
0.77406	0.046799	0.31289	-0.11767	0.01093	-0.0361763	0.43543	0.048119	0.29942
0.27338	-0.06514	0.15987	-0.14212	0.00208	0.01291394	0.78075	0.130526	0.00472
0.67071	0.08498	0.06653	0.081823	0.07732	0.03069848	0.50811	0.030829	0.50631
0.03679	0.023762	0.60851	-0.07935	0.08672	0.06207274	0.18054	0.224871	9.13E-07
0.78715	0.056434	0.22351	-0.14665	0.00148	0.01404848	0.76205	0.123701	0.00744
0.13207	0.129103	0.0052	0.134616	0.00356	0.02666271	0.56546	0.016623	0.72013
5.23E-08	0.145749	0.00159	0.073325	0.11354	-0.0650442	0.16052	-0.0683	0.14053
0.64689	0.05519	0.2339	-0.09848	0.03337	-0.0908437	0.04977	0.047801	0.30263
0.91681	0.027676	0.55077	-0.04409	0.34174	0.0551042	0.23463	0.108824	0.01865
0.13218	0.152056	0.00098	-0.01137	0.80635	-0.1127699	0.01476	-0.08187	0.07714
0.88709	0.10237	0.02696	0.078827	0.08884	0.09879623	0.0328	0.089552	0.05312
0.00339	-0.01218	0.79287	-0.10367	0.02507	-0.019128	0.68013	-0.0124	0.7893

0.37908	0.072943	0.11545	-0.0554	0.23216	-0.0191719	0.67943	-0.0123	0.79088
0.3344	0.105959	0.02201	0.04888	0.29184	-0.0135254	0.77066	0.001995	0.96571
0.24078	0.128136	0.00555	0.076809	0.09735	-0.0165673	0.72103	0.009931	0.83052
0.29718	0.046791	0.31297	-0.00705	0.87922	-0.0018279	0.96857	0.045961	0.32164
0.10462	-0.04511	0.33073	0.009038	0.84555	0.07211182	0.11966	0.02671	0.56478
0.73523	0.082234	0.07584	0.062052	0.18069	0.0205981	0.65705	0.043581	0.34736
0.10508	0.157088	0.00066	0.053933	0.24473	-0.0164903	0.72227	0.091355	0.04849
0.00929	0.115294	0.01266	0.071622	0.1222	-0.0186048	0.68841	0.003048	0.94763
0.5388	-0.01946	0.67497	-0.06401	0.16727	-0.0515948	0.26583	0.051443	0.26724
0.36392	0.078988	0.08819	0.011795	0.79933	0.06000978	0.19549	0.067054	0.14796
0.10027	0.075478	0.1033	0.030873	0.5057	-0.0006349	0.98908	-0.02016	0.66394
0.4245	0.09911	0.03225	-0.03548	0.44429	-0.0321492	0.48827	0.04749	0.30579
0.29062	0.08905	0.05447	0.024602	0.5959	0.07105734	0.12518	0.05641	0.22371
0.54992	0.111184	0.01623	0.014122	0.76084	0.00573713	0.90159	0.035945	0.43837
0.35916	0.086897	0.0606	0.023458	0.6131	0.04635091	0.31755	0.056556	0.22251
0.27033	0.110811	0.01659	0.058801	0.20466	-0.0943468	0.04156	-0.09599	0.03811
0.30425	0.100848	0.02933	0.030053	0.51708	-0.0018964	0.9674	0.017836	0.70065
0.20778	0.082978	0.07322	-0.01135	0.80675	-0.0783841	0.09065	-0.07284	0.11596
0.29977	0.089564	0.05309	0.028139	0.54413	0.01270311	0.78424	0.015273	0.74201
0.5872	0.071854	0.12099	-0.00775	0.86743	0.03576209	0.44071	0.052757	0.25519
0.5334	0.081251	0.07942	0.01943	0.67536	0.02294945	0.62083	0.033938	0.46438
0.36072	0.097718	0.03476	0.009949	0.83021	0.00572678	0.90177	0.066837	0.14927
0.44236	0.106436	0.02142	0.058577	0.20639	0.02045811	0.65924	0.053718	0.24663
0.72177	0.047058	0.31022	-0.0067	0.88521	0.04864349	0.29418	0.049907	0.2818
0.96979	0.057047	0.21851	0.011959	0.7966	0.05621636	0.2253	0.069076	0.13609
0.88763	-0.04382	0.34478	-0.21875	1.82E-06	-0.0589914	0.20319	0.033195	0.47422
0.02413	0.224398	9.64E-07	0.17387	0.00016	0.07555564	0.10295	0.116419	0.01181
0.00722	0.083995	0.06976	0.057669	0.21353	0.04324557	0.35109	0.031841	0.49244
0.41134	0.115595	0.01243	0.067867	0.14309	0.03728604	0.42147	0.052314	0.25921
0.61079	0.093624	0.04315	0.015801	0.73343	0.04545562	0.327	0.058171	0.20956
0.82781	0.122653	0.00797	0.036955	0.42561	0.03559155	0.44289	0.063623	0.16988
0.05662	0.105198	0.02299	0.031372	0.49885	0.05167789	0.26506	0.104606	0.02378
0.9761	0.130954	0.00459	0.050322	0.27782	0.03916642	0.39842	0.083549	0.07126
0.71883	0.045222	0.32949	0.04214	0.36355	0.07768089	0.09359	0.04415	0.3411
0.28044	0.161319	0.00047	0.10077	0.02945	0.01477533	0.75014	0.042243	0.36238
0.00759	0.065233	0.15931	0.059108	0.2023	0.0589203	0.20374	0.01901	0.68199
0.29084	0.038055	0.41195	-0.104	0.02461	-0.0890305	0.05453	0.019981	0.66671
0.49811	0.099328	0.03187	0.014181	0.75986	0.01959971	0.67269	0.087818	0.05791
0.02589	-0.23164	4.16E-07	-0.13608	0.00321	-0.0721447	0.11949	-0.04249	0.35954
3.89E-30	-0.10044	0.03	-0.07182	0.12116	0.23515935	2.74E-07	0.288614	2.07E-10
0.01632	0.248514	5.28E-08	0.179166	9.90E-05	0.05873236	0.20519	0.117988	0.01072
0.65332	0.02512	0.58818	-0.18277	7.11E-05	-0.0753128	0.10406	0.077297	0.09523
0.00643	0.127291	0.00588	0.058398	0.20778	-0.0897659	0.05255	-0.08037	0.08274
0.32184	-0.2262	7.84E-07	-0.23434	3.02E-07	0.07686268	0.09711	0.25771	1.61E-08
0.06762	-0.00718	0.87697	0.060542	0.19155	-0.0455663	0.32582	-0.03413	0.46189

0.0781	-0.15466	0.0008	-0.0894	0.05352	-0.029126	0.53009	-0.03719	0.4226
0.00195	-0.29146	1.35E-10	-0.04095	0.37731	-0.0096181	0.83578	-0.04335	0.34989
0.21431	-0.02482	0.59259	0.066197	0.15321	0.04325869	0.35094	0.130457	0.00475
0.87834	-0.25213	3.32E-08	-0.18498	5.78E-05	-0.0279867	0.54631	-0.00825	0.85892
0.25932	-0.0524	0.25841	0.034634	0.45526	0.07093277	0.12585	0.022224	0.63191
0.00144	0.125461	0.00663	0.074112	0.10971	-0.0590695	0.20259	-0.04993	0.28159
0.00952	0.015956	0.73092	-0.04181	0.36728	-0.0514956	0.26675	-0.0057	0.90226
0.01228	-0.08468	0.0675	-0.13168	0.00437	-0.0546852	0.23821	0.101297	0.02861
0.03617	-0.01807	0.69699	-0.0133	0.77441	-0.0896354	0.0529	-0.05299	0.25312
0.19246	0.050302	0.27801	-0.07457	0.10754	-0.026466	0.56834	0.070276	0.1294
0.48749	-0.06415	0.16636	0.104038	0.02455	0.04451037	0.33717	0.059317	0.20071
0.16767	-0.19123	3.18E-05	-0.2819	5.58E-10	-0.1516275	0.00101	-0.03536	0.44581
0.3877	0.154243	0.00082	-0.02273	0.62424	-0.0777182	0.09344	0.037437	0.41959
0.00239	-0.07095	0.12574	-0.16149	0.00046	0.02129826	0.64618	0.102441	0.02685
0.93871	-0.17576	0.00013	-0.09111	0.04911	-0.0126567	0.78501	0.045972	0.32152
0.18272	0.100193	0.0304	0.071951	0.12049	-0.0586598	0.20575	-0.02536	0.5846
0.41679	-0.03648	0.43156	-0.02876	0.53534	0.14348232	0.00188	0.198983	1.48E-05
0.00725	0.101512	0.02827	0.149031	0.00124	-0.0602261	0.19388	-0.07592	0.10128
0.54398	0.120732	0.00901	0.094868	0.04044	0.10806511	0.0195	0.189782	3.66E-05
0.79242	-0.04564	0.32507	-0.06905	0.13621	0.1306314	0.00469	0.178585	0.0001
0.15612	0.13939	0.00254	0.083111	0.07276	0.21217088	3.74E-06	0.248456	5.32E-08
0.0236	-0.19018	3.52E-05	-0.10331	0.02558	-0.1120134	0.01545	-0.08325	0.07227
0.94474	0.161583	0.00046	0.241593	1.25E-07	0.09263474	0.04541	0.135656	0.00331
0.40248	0.046632	0.31462	-0.03099	0.50413	-0.090595	0.0504	-0.03402	0.46333
0.14063	-0.06913	0.13578	-0.00791	0.8646	-0.0028226	0.95149	0.022105	0.63374
0.09416	-0.14613	0.00154	-0.09405	0.0422	-0.0773132	0.09516	-0.09799	0.03426
0.05547	-0.03596	0.43816	-0.19713	1.78E-05	-0.0311967	0.50125	0.164182	0.00037
0.34965	0.035622	0.4425	0.073851	0.11097	0.01196846	0.79644	0.02159	0.64167
1.78E-05	-0.12814	0.00555	-0.25495	2.31E-08	-0.0523605	0.25879	0.149558	0.00119
0.34957	0.00844	0.85566	0.042789	0.35621	0.07606009	0.10066	0.14849	0.00129
0.50424	-0.15405	0.00084	-0.06613	0.15365	-0.0187025	0.68686	-0.04244	0.36013
0.39588	-0.08706	0.06012	-0.00874	0.85051	0.07147196	0.12299	0.078079	0.09192
0.64489	-0.00239	0.95897	-0.03585	0.43963	-0.0011207	0.98073	0.115103	0.01281
0.08612	0.188075	4.31E-05	0.062532	0.17733	0.00892323	0.84749	0.132925	0.00401
0.17868	0.049748	0.28334	-0.03769	0.41649	0.02277182	0.62353	0.133043	0.00397
0.06956	0.081916	0.07699	0.04221	0.36276	-0.1195169	0.00973	-0.05501	0.23546
0.00892	-0.24969	4.55E-08	-0.16903	0.00024	-0.0029353	0.94956	0.025139	0.58789
0.0621	0.028215	0.54304	0.018775	0.68571	-0.0856989	0.06425	-0.06569	0.15639
0.58915	0.023422	0.61365	-0.16814	0.00026	-0.0916774	0.0477	0.048311	0.29749
0.02223	-0.02153	0.64266	0.007975	0.86353	-0.0870401	0.06018	-0.00015	0.99733
0.01287	-0.00026	0.99551	-0.11243	0.01506	-0.1435567	0.00187	-0.05194	0.26263
0.00012	0.145883	0.00157	0.064451	0.16437	0.02864484	0.53691	0.134668	0.00355
0.11254	0.036068	0.4368	-0.02897	0.53235	0.05377858	0.24609	0.167692	0.00027
0.02227	0.125407	0.00666	0.106706	0.02109	0.07086164	0.12623	0.206535	6.80E-06
0.00431	-0.0635	0.17072	-0.1248	0.00693	-0.2392216	1.68E-07	-0.1914	3.13E-05

0.51788	-0.21586	2.50E-06	-0.01677	0.71775	-0.0225518	0.62689	-0.03024	0.5145
0.55139	-0.05965	0.19818	-0.08811	0.05707	0.11454318	0.01326	0.232718	3.66E-07
0.00356	-0.14752	0.00139	-0.07281	0.11614	-0.0391841	0.39821	-0.03661	0.42997
0.27604	-0.14647	0.0015	-0.0767	0.09782	0.0831419	0.07265	0.151982	0.00099
0.2817	0.232563	3.73E-07	0.133506	0.00385	-0.0298005	0.52061	0.042451	0.36002
0.00586	-0.02136	0.64527	0.330249	2.40E-13	0.1013205	0.02857	0.052428	0.25817
0.75175	-0.10687	0.02089	-0.02877	0.5351	0.03162316	0.49542	0.093259	0.04397
0.01413	0.300235	3.49E-11	0.23792	1.97E-07	0.01609488	0.72866	0.039676	0.39231
0.00428	0.229276	5.49E-07	0.180021	9.16E-05	-0.0197045	0.67104	0.010674	0.81805
0.00603	0.028636	0.53703	0.030039	0.51727	-0.0140297	0.76236	0.071701	0.12179
0.00783	0.024552	0.59664	0.129183	0.00518	0.07313805	0.11447	0.175057	0.00014
0.44426	-0.2051	7.90E-06	-0.08781	0.05795	0.23266319	3.69E-07	0.409411	2.67E-20
0.28174	-0.15135	0.00104	-0.16096	0.00048	-7.73E-05	0.99867	0.144053	0.0018
2.64E-06	-0.12805	0.00559	-0.00345	0.94068	0.11176022	0.01568	0.24129	1.30E-07
0.00193	-0.26173	9.39E-09	-0.25181	3.46E-08	0.00978865	0.83291	0.029794	0.5207
1.38E-05	0.114518	0.01328	0.055297	0.23299	-0.0394887	0.39454	-0.04705	0.31027
0.95546	-0.10746	0.02019	-0.09346	0.04353	0.20352415	9.30E-06	0.353875	3.19E-15
0.35203	-0.03924	0.39755	0.054263	0.24186	0.19763481	1.69E-05	0.221091	1.40E-06
0.00923	0.081517	0.07844	0.004669	0.91985	0.21363081	3.19E-06	0.294785	8.13E-11
0.82399	-0.18109	8.30E-05	-0.13648	0.00312	-0.0197156	0.67087	-0.00669	0.88537
0.00372	-0.03021	0.51492	-0.08152	0.07843	-0.0067916	0.88362	0.122862	0.00786
0.07587	0.013921	0.76414	-0.04689	0.31194	0.11111551	0.0163	0.19938	1.42E-05
0.60778	-0.10485	0.02345	-0.15782	0.00062	0.05367484	0.24701	0.147033	0.00144
0.07885	-0.08226	0.07574	-0.19843	1.56E-05	-0.1591878	0.00055	0.024557	0.59657
0.10397	-0.10966	0.01776	-0.1401	0.00241	-0.0577922	0.21255	0.040864	0.37827
0.37983	0.077101	0.09607	0.133445	0.00387	0.17179569	0.00019	0.264618	6.36E-09
0.2123	0.00507	0.91299	-0.12478	0.00694	0.06225636	0.17925	0.182038	7.61E-05
0.51607	0.04025	0.38549	0.085698	0.06426	-0.0197081	0.67099	0.0724	0.11818
0.84777	0.204293	8.59E-06	0.209879	4.78E-06	-0.0754861	0.10327	-0.03383	0.46576
0.00674	0.001041	0.98209	0.001074	0.98154	0.07771608	0.09345	0.035961	0.43816
0.00244	-0.25224	3.28E-08	-0.05502	0.23533	0.06180724	0.18241	0.191442	3.12E-05
0.14294	-0.33588	8.88E-14	-0.20411	8.75E-06	0.00823625	0.85911	-0.01506	0.74547
0.39412	-0.03225	0.48692	-0.08451	0.06804	-0.0256803	0.57988	0.003684	0.93672
0.0006	0.079585	0.0858	0.116505	0.01175	0.06831513	0.14046	0.085712	0.06421
0.32503	0.020603	0.65698	-0.04288	0.35521	0.0384786	0.40676	0.163453	0.00039
0.0158	0.239442	1.63E-07	0.239211	1.68E-07	0.10955461	0.01787	0.198617	1.53E-05
0.21472	-4.18E-05	0.99928	-0.07477	0.1066	5.69E-05	0.99902	0.134692	0.00354
0.25139	-0.30324	2.17E-11	-0.28735	2.50E-10	-0.0813271	0.07914	0.010514	0.82073
0.03944	-0.28862	2.07E-10	-0.28407	4.06E-10	-0.1008721	0.02929	0.015328	0.74112
5.00E-05	0.186081	5.21E-05	0.15995	0.00052	0.06767572	0.14422	0.149692	0.00118
0.12848	-0.27567	1.37E-09	-0.13762	0.00288	-0.1402576	0.00238	-0.11047	0.01693
0.16996	-0.07876	0.08911	-0.0015	0.97423	0.0505058	0.27606	0.101817	0.0278
0.92475	-0.00934	0.84042	-0.12729	0.00588	-0.013243	0.77532	0.188263	4.24E-05
0.93518	-0.05552	0.23114	0.008999	0.84621	0.13797649	0.00281	0.216615	2.30E-06
0.57034	-0.13277	0.00405	-0.22132	1.37E-06	-0.0844172	0.06836	0.124757	0.00695

0.99016	-0.23459	2.93E-07	-0.12966	0.00501	0.06695908	0.14853	0.267956	4.03E-09
0.07867	-0.05407	0.24356	-0.07951	0.0861	-0.0804552	0.08242	0.010399	0.82266
0.11902	-0.09437	0.04151	-0.19599	2.00E-05	0.03439079	0.45844	0.23225	3.87E-07
0.00161	0.011177	0.80964	-0.02986	0.51971	-0.1370619	0.003	-0.12765	0.00574
0.36779	-0.10695	0.02079	-0.04399	0.34289	0.23958914	1.60E-07	0.259787	1.22E-08
0.08585	-0.13053	0.00472	-0.04259	0.35847	0.02515749	0.58762	0.041897	0.36633
0.78067	-0.05097	0.27163	-0.19454	2.30E-05	-0.1501524	0.00114	-0.13366	0.00381
0.515	0.068781	0.13777	0.200596	1.26E-05	0.31425629	3.66E-12	0.297899	5.03E-11
0.30495	-0.10921	0.01824	-0.12823	0.00552	0.05233393	0.25903	0.092857	0.0449
0.15029	-0.09924	0.03202	-0.04364	0.3467	0.00964228	0.83537	0.000821	0.98589
0.63285	-0.02656	0.56694	-0.11584	0.01224	-0.0510607	0.27081	0.021474	0.64346
0.00037	-0.08292	0.07344	-0.1587	0.00058	-0.0887334	0.05534	0.057659	0.21361
0.1082	-0.22974	5.21E-07	-0.07399	0.1103	-0.0927975	0.04504	-0.1337	0.0038
0.19083	-0.05166	0.26525	0.012038	0.79529	0.03493521	0.45135	0.132802	0.00404
0.12044	0.105995	0.02197	0.009627	0.83562	0.07621185	0.09998	0.170637	0.00021
0.03597	-0.04145	0.37148	-0.10911	0.01835	-0.0538099	0.24582	0.018621	0.68815
0.43488	0.116633	0.01166	0.083391	0.0718	-0.0255738	0.58145	0.008794	0.84968
0.4536	-0.28862	2.07E-10	-0.18843	4.17E-05	0.04111506	0.37535	0.016634	0.71996
0.01404	-0.10843	0.01909	-0.17826	0.00011	0.03640102	0.43258	0.179386	9.71E-05
0.33169	-0.27466	1.58E-09	-0.10984	0.01758	0.03507899	0.44949	0.009151	0.84365
0.00207	-0.07692	0.09685	0.095742	0.03862	0.08966734	0.05281	0.079272	0.08705
0.31021	0.109522	0.0179	-0.01276	0.78335	-0.0567764	0.22071	0.011268	0.80812
0.37678	0.031053	0.50322	0.24865	5.19E-08	0.41361788	1.00E-20	0.282102	5.42E-10
0.96136	0.306104	1.38E-11	0.098559	0.03323	0.11088043	0.01652	0.270555	2.81E-09
0.00163	-0.1081	0.01946	-0.09597	0.03815	0.12897675	0.00525	0.155053	0.00077
0.00025	0.100378	0.03009	-0.01671	0.71879	-0.0918881	0.04719	-0.08696	0.06043
1.79E-05	-0.30442	1.80E-11	-0.20551	7.57E-06	0.10590966	0.02208	0.080196	0.08342
0.96771	-0.06698	0.14842	-0.15293	0.00092	-0.0091216	0.84414	0.069185	0.13547
0.74509	-0.02612	0.5734	-0.15333	0.00089	0.0070106	0.8799	0.174031	0.00016
0.56596	-0.06836	0.14023	-0.17829	0.00011	-0.0312732	0.5002	0.12879	0.00531
0.88899	0.108195	0.01935	0.02823	0.54282	0.02311728	0.61828	0.156796	0.00067
0.40574	-0.15047	0.00111	-0.25831	1.48E-08	-0.0718888	0.12081	0.018952	0.68291
0.87543	-0.06898	0.13665	-0.11856	0.01034	-0.075309	0.10408	0.039717	0.39182
0.39612	0.221437	1.35E-06	0.209875	4.78E-06	0.03936473	0.39603	0.152168	0.00097
0.12075	0.000435	0.99253	-0.01377	0.76657	0.00228916	0.96065	0.069739	0.13236
0.54831	-0.09371	0.04296	-0.12885	0.00529	-0.026484	0.56807	0.04396	0.34318
0.35398	0.041303	0.37317	0.04555	0.32599	-0.0802349	0.08327	-0.0999	0.03089
1.44E-05	-0.22161	1.32E-06	0.008863	0.8485	0.17531547	0.00014	0.257942	1.56E-08
0.21335	-0.20561	7.49E-06	-0.16352	0.00039	-0.3511875	5.31E-15	-0.22696	7.19E-07
0.00463	0.173983	0.00016	0.107803	0.0198	0.09677911	0.03655	0.230738	4.63E-07
0.00141	-0.13362	0.00382	0.002031	0.96509	-0.0519363	0.26267	0.028445	0.53976
0.23582	0.075509	0.10316	0.209339	5.06E-06	0.17699241	0.00012	0.201861	1.10E-05
0.2165	0.077941	0.0925	0.192921	2.70E-05	0.24930448	4.77E-08	0.283859	4.19E-10
0.21282	0.087356	0.05925	-0.11607	0.01207	-0.0133808	0.77304	0.244102	9.19E-08
3.40E-06	0.127941	0.00563	0.044251	0.34	-0.0412461	0.37383	0.012672	0.78477

0.40847	-0.00795	0.86388	-0.12463	0.007	-0.0061446	0.89464	0.035154	0.44852
0.53013	0.363921	4.53E-16	0.27576	1.35E-09	0.09788273	0.03446	0.173223	0.00017
0.05269	0.027768	0.54945	0.157602	0.00063	0.04117187	0.37469	0.104312	0.02418
0.10121	-0.10271	0.02646	-0.01024	0.82537	0.01082171	0.81558	0.05638	0.22395
9.63E-09	-0.11781	0.01083	0.052289	0.25944	0.07885204	0.08874	0.08218	0.07604
0.28505	-0.15688	0.00067	-0.04452	0.33701	0.04270857	0.35711	0.163278	0.0004
0.72648	-0.11201	0.01545	-0.38118	1.34E-17	-0.1905638	3.40E-05	-0.06126	0.18636
0.92431	0.026247	0.57154	0.106647	0.02116	-0.0428415	0.35561	0.012462	0.78823
0.42188	-0.09933	0.03187	0.00076	0.98693	-0.0700858	0.13044	-0.02416	0.60247
0.68672	-0.0079	0.86478	-0.0577	0.21326	-0.0752746	0.10424	0.070384	0.12881
0.08223	0.165164	0.00034	0.094317	0.04162	-0.0214582	0.6437	0.121016	0.00885
0.13568	0.042068	0.36437	0.102547	0.02669	0.05778393	0.21261	0.09628	0.03754
0.2147	-0.0386	0.40533	0.012492	0.78774	0.06027204	0.19354	0.059929	0.19609
0.00021	0.127918	0.00563	0.390597	1.80E-18	0.1196236	0.00967	0.0924	0.04597
0.00552	0.143746	0.00184	0.015541	0.73766	-0.0675987	0.14468	0.065987	0.15452
0.28676	-0.24075	1.39E-07	-0.12499	0.00684	0.09275853	0.04513	0.170314	0.00022
0.00396	-0.11028	0.01712	-0.10227	0.02711	0.03940544	0.39554	0.053023	0.2528
0.68154	0.161047	0.00048	-0.01102	0.81233	-0.1137936	0.01387	-0.00912	0.84419
0.10848	0.014322	0.75756	0.166514	0.0003	0.23431842	3.03E-07	0.13387	0.00375
0.0126	-0.02639	0.56948	0.188351	4.20E-05	-0.0387312	0.40368	-0.00662	0.88662
0.01592	0.093395	0.04367	0.004682	0.91962	-0.0148228	0.74936	0.12581	0.00648
0.18835	-0.34924	7.66E-15	-0.17051	0.00021	0.06413814	0.16644	0.165118	0.00034
0.23993	-0.26398	6.94E-09	-0.15836	0.00059	0.01136855	0.80644	0.072047	0.11999
0.00268	-0.05214	0.26082	-0.13777	0.00285	0.12905584	0.00522	0.309869	7.51E-12
0.42123	-0.05234	0.25896	-0.21944	1.69E-06	-0.1311678	0.00452	-0.10768	0.01993
0.16674	-0.03111	0.50242	0.01473	0.75088	0.02086821	0.65285	0.120447	0.00918
5.92E-09	-0.11464	0.01317	-0.10367	0.02507	0.17519817	0.00014	0.286186	2.97E-10
0.95015	0.23459	2.93E-07	0.15824	0.0006	0.14579436	0.00158	0.216682	2.29E-06
0.00088	-0.17151	0.0002	-0.12139	0.00864	0.04374373	0.34556	-0.01811	0.69624
0.33967	0.004238	0.92723	-0.00799	0.86331	0.01369526	0.76786	-0.00634	0.8913
1.77E-05	0.089997	0.05195	0.011279	0.80793	-0.0669324	0.14869	0.009908	0.8309
0.04524	0.061608	0.18383	0.07648	0.09879	0.02366621	0.60996	0.084636	0.06764
0.00836	-0.23074	4.63E-07	-0.16439	0.00036	0.1659802	0.00032	0.328629	3.19E-13
0.17694	0.112147	0.01532	0.11774	0.01088	0.27244877	2.16E-09	0.221109	1.40E-06
0.09103	-0.24481	8.41E-08	-0.12279	0.0079	0.03343666	0.47101	0.06851	0.13933
0.06552	-0.2753	1.44E-09	-0.08825	0.0567	0.05998814	0.19565	0.032876	0.47849
0.45899	-0.07023	0.12963	0.066641	0.15048	0.23452759	2.96E-07	0.271281	2.54E-09
4.64E-05	-0.08429	0.06878	-0.2103	4.56E-06	-0.0662289	0.15302	0.0711	0.12495
0.43343	-0.04079	0.3791	-0.02677	0.56391	0.12967403	0.00501	0.254388	2.48E-08
0.00029	-0.05465	0.23855	-0.01497	0.74697	0.02705692	0.55973	0.223978	1.01E-06
0.82799	0.042556	0.35883	-0.0469	0.31183	0.09495896	0.04025	0.253996	2.61E-08
0.158	-0.10484	0.02346	-0.18439	6.11E-05	0.04051706	0.38234	0.208696	5.41E-06
0.7996	-0.19566	2.06E-05	-0.13309	0.00396	0.05758842	0.21417	0.093653	0.04308
0.00685	-0.25321	2.89E-08	-0.12682	0.00606	0.10212938	0.02732	0.146943	0.00145
0.74409	0.034494	0.45709	-0.12452	0.00706	-0.1060285	0.02193	0.076816	0.09732



0.5762	-0.13848	0.00271	-0.16667	0.0003	-0.052729	0.25545	0.154937	0.00078
0.28885	-0.22777	6.54E-07	-0.27454	1.61E-09	-0.059294	0.20088	0.088302	0.05654
0.29243	0.028158	0.54385	-0.0431	0.35272	-0.0485608	0.295	0.113815	0.01386
0.04076	-0.02587	0.57711	0.007722	0.86782	-0.0010544	0.98187	0.013465	0.77165
0.70697	0.085685	0.0643	-0.03038	0.51248	0.16960775	0.00023	0.2918	1.28E-10
0.12597	0.007538	0.87094	-0.00275	0.95282	-0.0447236	0.33486	-0.03589	0.43909
0.10376	-0.01543	0.73949	0.009461	0.83843	0.09344338	0.04356	0.124438	0.00709
0.40197	0.003858	0.93374	-0.12143	0.00862	-0.0556843	0.22973	0.026258	0.57138
0.71238	-0.08892	0.05484	-0.07201	0.1202	0.02369885	0.60947	0.069464	0.13389
0.17365	-0.13583	0.00327	-0.06559	0.15702	-0.0275201	0.55303	0.107754	0.01985
0.68764	-0.07902	0.08806	0.191286	3.17E-05	0.38457902	6.56E-18	0.342982	2.45E-14
0.05466	-0.30993	7.43E-12	-0.27672	1.18E-09	0.03445071	0.45766	0.153526	0.00087
0.78737	-0.24096	1.36E-07	0.035031	0.45011	0.21412136	3.03E-06	0.225793	8.22E-07
0.10975	-0.00705	0.87927	-0.17753	0.00011	-0.0448402	0.3336	0.086583	0.06154
0.16034	-0.07314	0.11446	-0.00429	0.92639	0.1718538	0.00019	0.132073	0.00425
0.00976	0.262683	8.27E-09	0.05863	0.20598	-0.0248372	0.59239	0.098831	0.03274
0.00378	-0.07299	0.11523	-0.05725	0.2169	0.02209575	0.63388	0.139861	0.00245
0.08052	-0.11113	0.01628	-0.00986	0.83178	-0.0587065	0.20539	0.087762	0.05808
0.24663	0.052156	0.26065	0.019866	0.66851	0.06750719	0.14523	0.225958	8.06E-07
0.00484	-0.07582	0.10177	-0.02304	0.61944	0.13761624	0.00288	0.235269	2.70E-07
0.02041	-0.05093	0.27207	-0.15961	0.00054	-0.1971276	1.78E-05	-0.149	0.00124
0.01204	0.009579	0.83644	0.212324	3.68E-06	0.26081787	1.06E-08	0.157494	0.00064
0.29335	0.145303	0.00164	-0.04328	0.35073	0.10950908	0.01792	0.333455	1.37E-13
0.18402	-0.09904	0.03238	-0.00932	0.84088	0.16459017	0.00035	0.14934	0.00121
0.84622	0.116198	0.01198	0.041724	0.36832	0.00740931	0.87313	0.108015	0.01955
0.00244	0.137253	0.00296	0.004344	0.9254	0.00255092	0.95616	0.170281	0.00022
0.02675	-0.17039	0.00022	-0.0749	0.10599	0.14635999	0.00152	0.347127	1.14E-14
0.30655	-0.20494	8.03E-06	-0.24173	1.23E-07	-0.0870276	0.06022	-0.01075	0.81675
0.77753	0.017623	0.70406	-0.04274	0.3567	0.0134533	0.77185	0.153427	0.00088
0.74204	-0.05014	0.27957	-0.12857	0.00539	0.03474897	0.45377	0.202665	1.02E-05
0.25358	-0.04538	0.32781	-0.00864	0.85226	0.02127942	0.64647	0.168562	0.00025
0.6337	0.093475	0.04349	0.074639	0.1072	0.0518603	0.26337	0.148837	0.00126
0.47788	-0.25099	3.85E-08	-0.09301	0.04455	0.222164	1.24E-06	0.383355	8.50E-18
0.09127	-0.22422	9.83E-07	-0.16707	0.00029	-0.01234	0.79027	0.045609	0.32536
0.00619	-0.11648	0.01177	0.103612	0.02515	0.32290328	8.57E-13	0.341307	3.33E-14
0.63738	-0.28026	7.08E-10	-0.2829	4.82E-10	-0.0566534	0.22171	0.102182	0.02724
0.00014	0.000111	0.99809	-0.01664	0.71988	0.0027946	0.95197	0.160137	0.00051
0.15478	0.061046	0.18787	-0.06023	0.19385	-0.2388051	1.76E-07	-0.11895	0.01009
1.47E-23	-0.09404	0.04223	-0.05639	0.22385	0.04013233	0.38688	0.08533	0.06541
0.30879	0.002501	0.95702	-0.02842	0.54005	-0.0500659	0.28027	0.007526	0.87115
0.67188	-0.11895	0.01009	-0.04221	0.3627	0.08544979	0.06504	0.168693	0.00025
0.00049	-0.04658	0.31515	-0.02094	0.65178	0.00603049	0.89659	0.074142	0.10957
0.73656	0.036337	0.43339	0.189925	3.61E-05	0.09600976	0.03808	0.081639	0.07799
0.42227	0.006447	0.88949	0.018367	0.6922	0.11825566	0.01054	0.119294	0.00987
0.03791	-0.23316	3.48E-07	-0.23968	1.59E-07	0.00042055	0.99277	0.134156	0.00368

0.07528	-0.17833	0.00011	-0.06762	0.14456	0.12958064	0.00504	0.120009	0.00944
0.77915	0.028649	0.53686	-0.10462	0.02376	0.02483784	0.59238	0.073523	0.11257
0.54845	-0.00978	0.83303	-0.0446	0.33617	0.01350374	0.77101	0.063955	0.16765
0.94494	-0.01806	0.69713	-0.07421	0.10924	-0.0121011	0.79423	0.06625	0.15289
0.67144	0.048434	0.29627	-0.00298	0.94885	0.01859807	0.68852	-0.02512	0.58812
0.48224	-0.02013	0.66442	-0.0126	0.7859	-0.0254194	0.58374	-0.02347	0.61291
0.22233	-0.09904	0.03238	-0.13256	0.00411	-0.1219164	0.00835	-0.07671	0.09779
0.69966	-0.06114	0.18719	-0.07018	0.1299	-0.0722428	0.11899	-0.06275	0.17583
0.87986	0.012136	0.79366	-0.03386	0.46546	-0.0429986	0.35385	-0.04921	0.28859
0.70538	-0.04666	0.31431	-0.03408	0.46246	0.00236662	0.95932	0.025776	0.57846
0.28918	-0.05957	0.19881	-0.04278	0.35631	-0.0718531	0.121	-0.07315	0.1144
2.08E-07	-0.17751	0.00012	-0.09231	0.04618	-0.0769082	0.09691	-0.05071	0.27414
0.52491	0.081223	0.07953	0.002991	0.94861	0.02673578	0.5644	0.07925	0.08714
0.89377	-0.11609	0.01206	-0.13786	0.00283	-0.1098993	0.01751	-0.08751	0.05881
0.03037	-0.05093	0.27207	-0.05177	0.26424	-0.0130818	0.77798	-0.00391	0.93292
0.69443	-0.0317	0.49443	-0.11851	0.01037	-0.0695561	0.13338	-0.07882	0.08886
0.18555	-0.01066	0.81832	-0.03845	0.40707	-0.0177907	0.70138	0.039847	0.39026
0.00028	0.00858	0.85329	-0.11619	0.01199	-0.0652529	0.15918	0.020825	0.65353
0.75226	-0.01502	0.74622	-0.05348	0.24873	-0.0170589	0.71311	0.029846	0.51997
0.56902	-0.02499	0.59009	-0.12829	0.0055	-0.0216616	0.64056	0.039676	0.39231
0.25287	0.031289	0.49999	-0.0058	0.90059	-0.0083213	0.85767	-0.04598	0.32149
0.51967	-0.13207	0.00425	-0.08186	0.07721	0.04638437	0.3172	-0.00157	0.97295
0.52459	-0.12659	0.00616	-0.08778	0.05802	-0.0019831	0.96591	0.072251	0.11895
0.68711	-0.09426	0.04175	-0.06335	0.17169	-0.0117685	0.79977	-0.00475	0.91838
0.6449	-0.07786	0.09285	-0.07258	0.11729	-0.0181829	0.69512	-0.01053	0.82042
0.44229	-0.06611	0.15379	-0.03321	0.47401	0.01189231	0.79771	0.012467	0.78817
0.53394	-0.11066	0.01674	-0.11768	0.01093	-0.0208745	0.65275	-0.02265	0.62539
0.51513	-0.02923	0.5286	-0.05539	0.23224	0.23551425	2.63E-07	0.209557	4.94E-06
0.70412	0.017391	0.70778	0.029441	0.52565	0.00296244	0.94909	-0.00409	0.92976
0.73087	0.106846	0.02092	0.08161	0.0781	-0.0047546	0.91838	-0.01845	0.69092
0.7705	-0.10469	0.02367	-0.17667	0.00012	-0.1088093	0.01867	-0.07698	0.09658
0.02723	-0.06515	0.15986	-0.10872	0.01877	-0.1021731	0.02726	-0.08058	0.08194
0.68177	0.000328	0.99435	-0.03945	0.39504	0.00444501	0.92368	0.039044	0.3999
0.21239	-0.08984	0.05236	-0.08282	0.07377	-0.0323947	0.48495	-0.03665	0.42945
0.38782	-0.36776	2.11E-16	-0.29431	8.74E-11	-0.1209052	0.00891	-0.115	0.01289
0.05646	-0.00641	0.89008	-0.10693	0.02082	-0.1100313	0.01738	-0.08994	0.0521
0.62712	0.069436	0.13405	-0.01118	0.80951	-0.0416514	0.36915	0.022868	0.62207
0.05896	0.003648	0.93733	-0.0047	0.91933	0.03573605	0.44104	0.0968	0.03651
0.19347	-0.15288	0.00092	-0.14376	0.00184	-0.0012391	0.97869	0.024047	0.60422
0.84798	0.01272	0.78397	-0.08109	0.08001	-0.1049784	0.02328	-0.08156	0.07828
0.03981	-0.07374	0.11152	-0.07063	0.12746	-0.0046379	0.92038	0.036554	0.43065
0.99419	-0.02233	0.63031	-0.04283	0.35577	-0.00211	0.96373	0.016485	0.72235
0.01082	0.001088	0.98129	-0.09928	0.03194	-0.0790165	0.08807	-0.07768	0.0936
0.42114	0.006561	0.88754	-0.09132	0.04857	-0.0549728	0.23575	-0.01138	0.80631
0.27101	-0.02341	0.61382	-0.15771	0.00063	-0.0773647	0.09494	-0.01653	0.7217

0.55764	-0.00574	0.90149	-0.1521	0.00098	-0.0380368	0.41217	0.075554	0.10296
0.36201	-0.09892	0.03259	-0.15022	0.00113	-0.0299823	0.51806	0.102537	0.02671
0.50692	-0.04732	0.30753	-0.07902	0.08807	-0.0583571	0.2081	0.004892	0.91603
0.35411	-0.03351	0.47001	-0.06662	0.15061	-0.0961349	0.03783	-0.05943	0.19987
7.29E-13	-0.29604	6.70E-11	-0.18942	3.79E-05	0.0393007	0.3968	0.105904	0.02208
0.79521	-0.01437	0.7568	-0.08296	0.07328	-0.0447931	0.33411	-0.01622	0.72672
0.84645	-0.01648	0.72237	-0.09613	0.03784	-0.0181281	0.69599	0.079394	0.08656
0.7193	0.037951	0.41323	0.018106	0.69635	0.01862557	0.68808	0.021486	0.64327
0.80382	-0.06421	0.16596	-0.24288	1.07E-07	-0.1201439	0.00936	0.045023	0.33163
0.68678	-0.05874	0.20509	-0.14537	0.00163	-0.0894836	0.0533	-0.06655	0.15102
0.16211	-0.02527	0.58592	-0.02186	0.63753	0.03177283	0.49338	0.006976	0.88048
0.22669	0.216766	2.27E-06	0.063897	0.16804	0.01530646	0.74147	-0.04216	0.36328
0.13116	0.067738	0.14386	0.022204	0.63222	-0.0214009	0.64459	-0.07429	0.10886
0.41789	-0.11199	0.01547	-0.06075	0.19001	-0.0254023	0.58399	-0.01351	0.77097
0.40142	-0.01084	0.8153	-0.01567	0.73561	-0.0075679	0.87043	-0.00965	0.83518
0.43999	0.028858	0.53388	0.012085	0.7945	-0.0270948	0.55918	0.004586	0.92126
0.03656	0.103191	0.02575	-0.0033	0.94323	-0.1091032	0.01835	-0.11642	0.01181
0.23412	0.059322	0.20067	-0.01114	0.81019	-0.0984758	0.03337	-0.11834	0.01048
0.16286	0.019772	0.66998	-0.0691	0.13593	-0.1145987	0.01321	-0.13883	0.00264
0.30043	-0.20427	8.61E-06	-0.13715	0.00298	-0.083046	0.07298	-0.04921	0.28854
0.01751	0.395352	6.38E-19	0.67641	9.53E-64	0.44508525	4.20E-24	0.204004	8.85E-06
0.01458	0.365129	3.56E-16	0.59027	3.49E-45	0.35870067	1.26E-15	0.28697	2.65E-10
0.00053	0.352837	3.88E-15	0.562523	2.53E-40	0.40675298	4.92E-20	0.281265	6.12E-10
0.03002	0.530657	2.79E-35	0.677656	4.61E-64	0.3495631	7.21E-15	0.196832	1.83E-05
0.9171	0.533158	1.17E-35	0.691027	1.51E-67	0.51119229	1.88E-32	0.366624	2.65E-16
0.44384	0.46313	3.33E-26	0.548994	4.08E-38	0.28805475	2.25E-10	0.112425	0.01507
0.84052	0.439399	1.82E-23	0.615592	4.77E-50	0.33705255	7.19E-14	0.204365	8.52E-06
0.07359	0.433603	7.89E-23	0.495702	2.49E-30	0.38413824	7.20E-18	0.305874	1.43E-11
0.14529	0.159231	0.00055	0.542741	3.95E-37	0.50996158	2.79E-32	0.329645	2.67E-13
0.03473	0.374859	4.99E-17	0.50569	1.10E-31	0.17341573	0.00017	-0.01492	0.74779
0.33365	0.650885	1.30E-57	0.830903	#####	0.52210773	5.14E-34	0.387631	3.42E-18
0.04346	0.405469	6.60E-20	0.54207	5.03E-37	0.41619043	5.47E-21	0.335782	9.03E-14
0.26185	0.226231	7.81E-07	0.627743	1.53E-52	0.43893671	2.05E-23	0.239112	1.70E-07
1.39E-05	-0.29055	1.55E-10	-0.57296	4.26E-42	-0.3842423	7.04E-18	-0.38514	5.82E-18
0.61952	0.406872	4.79E-20	0.615475	5.04E-50	0.09401588	0.04228	-0.0075	0.87159
0.02148	0.435851	4.49E-23	0.628506	1.05E-52	0.36373374	4.70E-16	0.217794	2.02E-06
0.4273	0.413557	1.02E-20	0.557998	1.42E-39	0.2805178	6.82E-10	0.249456	4.68E-08
0.00541	0.414738	7.71E-21	0.60438	7.69E-48	0.36025237	9.31E-16	0.394438	7.79E-19
0.45303	0.368511	1.81E-16	0.702975	7.95E-71	0.44392366	5.69E-24	0.29062	1.53E-10
0.00025	0.56782	3.24E-41	0.826449	#####	0.41425221	8.64E-21	0.26841	3.79E-09
0.0018	0.474139	1.50E-27	0.71055	5.44E-73	0.27665962	1.19E-09	0.283681	4.30E-10
0.0025	0.496411	2.00E-30	0.584308	4.23E-44	0.0928371	0.04494	0.032843	0.47892
0.93652	0.213067	3.39E-06	0.570608	1.08E-41	0.4063364	5.41E-20	0.198613	1.53E-05
0.95477	0.520389	9.13E-34	0.60844	1.25E-48	0.36154062	7.24E-16	0.257747	1.60E-08
0.00123	0.403278	1.09E-19	0.677555	4.89E-64	0.18106814	8.32E-05	-0.04685	0.31236

0.98381	0.578385	4.80E-43	0.700756	3.32E-70	0.26904951	3.46E-09	0.15589	0.00072
1.87E-05	0.625428	4.65E-52	0.674358	3.12E-63	0.29577245	6.98E-11	0.352799	3.91E-15
2.78E-07	0.394623	7.48E-19	0.49935	8.05E-31	0.38985508	2.12E-18	0.318204	1.90E-12
0.49808	0.321359	1.11E-12	0.584335	4.19E-44	0.3037653	2.00E-11	0.169043	0.00024
0.00033	0.453568	4.48E-25	0.51195	1.47E-32	0.25098127	3.85E-08	0.247198	6.24E-08
0.03056	0.220772	1.45E-06	0.544528	2.08E-37	0.35386228	3.20E-15	0.104629	0.02375
0.00086	0.262789	8.15E-09	0.521787	5.72E-34	0.15512088	0.00077	-0.03314	0.47491
0.00038	0.521592	6.10E-34	0.665819	3.96E-61	0.27485012	1.54E-09	0.108695	0.01879
0.70942	0.617845	1.68E-50	0.712625	1.35E-73	0.34811608	9.46E-15	0.220142	1.56E-06
0.83935	0.70343	5.92E-71	0.779923	1.10E-96	0.46583763	1.57E-26	0.436432	3.87E-23
0.23707	0.695827	7.61E-69	0.768697	2.71E-92	0.43321984	8.69E-23	0.371902	9.14E-17
0.52654	0.477738	5.32E-28	0.736761	4.69E-81	0.23504212	2.78E-07	-0.00696	0.88069
0.77674	0.527973	7.03E-35	0.869186	#####	0.60712704	2.26E-48	0.491163	9.96E-30
0.41871	0.408186	3.54E-20	0.638686	6.91E-55	0.41463868	7.89E-21	0.186406	5.06E-05
0.15194	0.413233	1.10E-20	0.666822	2.26E-61	0.01364209	0.76873	-0.12285	0.00787
0.07885	0.569652	1.58E-41	0.725394	1.92E-77	0.378235	2.49E-17	0.406423	5.31E-20
0.37082	0.476239	8.21E-28	0.63498	4.41E-54	0.3136563	4.04E-12	0.196362	1.92E-05
0.07566	0.518732	1.58E-33	0.712918	1.11E-73	0.4757383	9.49E-28	0.420021	2.20E-21
0.59328	0.372086	8.80E-17	0.562123	2.95E-40	0.34031005	3.99E-14	0.15376	0.00086
0.04327	0.493826	4.43E-30	0.707583	3.90E-72	0.3610326	7.99E-16	0.289113	1.92E-10
0.08456	0.5508	2.10E-38	0.599207	7.51E-47	0.43086969	1.56E-22	0.371467	9.98E-17
0.81701	-0.25093	3.88E-08	-0.46066	6.57E-26	-0.4304855	1.72E-22	-0.3751	4.75E-17
0.03125	0.15918	0.00055	0.508458	4.53E-32	0.24827903	5.44E-08	0.142596	0.00201
0.03246	0.315072	3.20E-12	0.637697	1.14E-54	0.34923078	7.68E-15	0.267086	4.54E-09
0.10752	0.298207	4.79E-11	0.516405	3.42E-33	0.4368412	3.49E-23	0.252709	3.08E-08
0.02322	0.187908	4.38E-05	0.506996	7.23E-32	0.25616033	1.97E-08	0.095584	0.03894
0.76526	0.183177	6.85E-05	0.580774	1.81E-43	0.25600924	2.01E-08	0.039325	0.39651
0.04405	0.549813	3.02E-38	0.738015	1.82E-81	0.1665543	0.0003	0.067399	0.14588
0.00256	0.345344	1.58E-14	0.49915	8.57E-31	0.34260342	2.63E-14	0.206821	6.60E-06
0.19591	0.471464	3.22E-27	0.795592	#####	0.62664146	2.60E-52	0.455653	2.56E-25
0.17185	0.449903	1.19E-24	0.622789	1.64E-51	0.5429476	3.67E-37	0.377538	2.87E-17
0.2988	0.414534	8.09E-21	0.516431	3.39E-33	0.5387206	1.66E-36	0.328854	3.07E-13
0.25696	0.755526	1.90E-87	0.706589	7.52E-72	0.38878643	2.67E-18	0.386779	4.10E-18
0.00162	0.186522	5.00E-05	0.471757	2.96E-27	0.34643946	1.29E-14	0.103667	0.02507
0.05795	0.42727	3.80E-22	0.558755	1.07E-39	0.35518385	2.48E-15	0.205843	7.31E-06
0.60885	0.267542	4.27E-09	0.563757	1.57E-40	0.29759077	5.27E-11	0.066779	0.14963
0.04872	0.422149	1.32E-21	0.493735	4.55E-30	0.37176153	9.40E-17	0.214843	2.80E-06
0.10456	0.429714	2.08E-22	0.59444	5.91E-46	0.35176064	4.76E-15	0.171866	0.00019
0.05977	0.42528	6.17E-22	0.540811	7.90E-37	-0.0301585	0.51561	-0.08281	0.07382
0.00497	0.603227	1.28E-47	0.808252	#####	0.51535448	4.83E-33	0.382931	9.30E-18
0.00081	0.628694	9.63E-53	0.738826	9.87E-82	0.5947362	5.20E-46	0.487373	3.12E-29
0.47141	0.354583	2.78E-15	0.661667	3.94E-60	0.38574113	5.12E-18	0.160084	0.00052
0.65524	0.414389	8.37E-21	0.593566	8.59E-46	0.26714397	4.51E-09	0.076641	0.09808
0.01722	0.326239	4.83E-13	0.60191	2.30E-47	0.59276974	1.21E-45	0.501816	3.73E-31
0.14289	0.41826	3.35E-21	0.563895	1.49E-40	0.23676398	2.26E-07	0.2577	1.61E-08

0.08312	0.286165	2.98E-10	0.67592	1.27E-63	0.40395112	9.32E-20	0.232339	3.83E-07
0.02377	0.253974	2.62E-08	0.570692	1.05E-41	0.2706346	2.78E-09	0.138764	0.00265
0.15444	0.528011	6.94E-35	0.70947	1.12E-72	0.30890031	8.79E-12	0.219939	1.59E-06
0.05242	0.336736	7.61E-14	0.503553	2.16E-31	0.29820762	4.79E-11	0.205777	7.36E-06
2.22E-05	0.258886	1.37E-08	0.566136	6.25E-41	0.1742413	0.00015	0.100664	0.02962
0.25132	0.366805	2.55E-16	0.682048	3.46E-65	0.34252972	2.66E-14	0.194051	2.42E-05
0.00961	0.299368	4.00E-11	0.564518	1.17E-40	0.4260041	5.17E-22	0.31647	2.53E-12
0.17037	0.493479	4.92E-30	0.643581	5.76E-56	0.62469583	6.60E-52	0.57016	1.29E-41
0.00102	0.410855	1.91E-20	0.543535	2.97E-37	0.32878193	3.11E-13	0.18803	4.33E-05
0.98581	0.225678	8.32E-07	0.480603	2.31E-28	0.27076967	2.73E-09	0.284966	3.56E-10
0.07181	0.510575	2.29E-32	0.673165	6.21E-63	0.23674103	2.27E-07	0.17424	0.00015
0.00018	0.352857	3.87E-15	0.60992	6.40E-49	0.24235389	1.14E-07	0.066081	0.15394
0.00099	0.641097	2.04E-55	0.658481	2.24E-59	0.21084712	4.31E-06	0.276997	1.13E-09
0.55445	0.175862	0.00013	0.566308	5.84E-41	0.32847016	3.28E-13	0.078376	0.09069
0.03864	0.513919	7.73E-33	0.576528	1.02E-42	0.23329949	3.42E-07	0.248277	5.44E-08
0.79897	0.471043	3.63E-27	0.743149	3.61E-83	0.42564988	5.64E-22	0.324472	6.55E-13
0.36434	0.262556	8.41E-09	0.580749	1.83E-43	0.18916408	3.89E-05	0.097988	0.03426
0.376	0.41381	9.59E-21	0.524676	2.16E-34	0.45169105	7.39E-25	0.230356	4.84E-07
6.17E-05	0.531493	2.09E-35	0.70019	4.78E-70	0.2790642	8.42E-10	0.249991	4.37E-08
0.9342	0.465915	1.53E-26	0.850473	#####	0.58001389	2.47E-43	0.413368	1.06E-20
0.0254	0.43782	2.72E-23	0.699446	7.69E-70	0.45712502	1.72E-25	0.393801	8.96E-19
0.44672	0.372281	8.46E-17	0.59489	4.87E-46	0.18073628	8.58E-05	0.178614	0.0001
0.12312	0.424504	7.46E-22	0.787262	1.07E-99	0.55910731	9.32E-40	0.551545	1.59E-38
0.23779	0.340078	4.16E-14	0.64217	1.18E-55	0.41186479	1.51E-20	0.204402	8.49E-06
0.03855	0.640021	3.53E-55	0.73471	2.17E-80	0.30811982	9.97E-12	0.361464	7.34E-16
0.26826	0.422597	1.18E-21	0.577862	5.94E-43	0.22944245	5.39E-07	0.150075	0.00114
0.06346	0.441584	1.04E-23	0.547534	6.96E-38	0.12436747	0.00713	0.139711	0.00248
0.63929	0.33312	1.45E-13	0.486052	4.62E-29	0.24212067	1.18E-07	0.18225	7.46E-05
0.05946	0.617536	1.93E-50	0.790814	#####	0.41318259	1.11E-20	0.410695	1.98E-20
0.00161	0.342962	2.46E-14	0.60036	4.54E-47	0.38958585	2.24E-18	0.220518	1.49E-06
0.00192	0.597951	1.30E-46	0.761835	9.92E-90	0.28405374	4.07E-10	0.141053	0.00225
0.59038	0.228106	6.29E-07	0.497718	1.34E-30	0.37370443	6.33E-17	0.207109	6.40E-06
0.17934	0.573922	2.90E-42	0.64811	5.54E-57	0.27516416	1.47E-09	0.301097	3.05E-11
0.01275	0.415133	7.02E-21	0.794896	#####	0.35624744	2.02E-15	0.138043	0.00279
0.36961	0.168756	0.00025	0.563704	1.60E-40	0.47506864	1.15E-27	0.300332	3.44E-11
0.05571	0.140625	0.00232	0.223204	1.10E-06	0.3455437	1.53E-14	0.178911	0.0001
0.03307	0.371302	1.03E-16	0.482187	1.45E-28	0.44289015	7.43E-24	0.37476	5.10E-17
0.01028	0.407346	4.29E-20	0.653642	3.01E-58	0.18466317	5.96E-05	-0.0802	0.08341
0.06786	0.516018	3.88E-33	0.743915	1.99E-83	0.29474415	8.18E-11	0.311711	5.56E-12
0.7197	0.29816	4.83E-11	0.587108	1.32E-44	0.27469952	1.57E-09	0.239498	1.62E-07
0.02737	0.423992	8.45E-22	0.763059	3.51E-90	0.62890329	8.70E-53	0.541556	6.05E-37
0.00013	0.447855	2.04E-24	0.786748	1.75E-99	0.41348225	1.04E-20	0.220529	1.49E-06
6.67E-06	0.381989	1.13E-17	0.610898	4.11E-49	0.11922372	0.00992	-0.02768	0.5507
0.76671	0.216638	2.30E-06	0.641957	1.32E-55	0.31631701	2.60E-12	0.024448	0.5982
0.61502	-0.33132	1.99E-13	-0.61235	2.12E-49	-0.2217176	1.31E-06	-0.23092	4.53E-07

0.15392	-0.18995	3.60E-05	-0.49869	9.87E-31	0.0184426	0.69099	0.118202	0.01057
0.3974	-0.3943	8.03E-19	-0.67194	1.25E-62	-0.2409002	1.37E-07	-0.18526	5.63E-05
0.48301	-0.28347	4.44E-10	-0.5996	6.31E-47	-0.4387988	2.12E-23	-0.46248	3.98E-26
0.45969	-0.30122	2.99E-11	-0.65832	2.44E-59	-0.4112776	1.73E-20	-0.35003	6.61E-15
0.02609	-0.38913	2.47E-18	-0.68218	3.21E-65	-0.1941878	2.38E-05	-0.16604	0.00031
0.73553	-0.31173	5.54E-12	-0.60897	9.84E-49	-0.1939124	2.45E-05	-0.17486	0.00015
0.74974	-0.26471	6.28E-09	-0.56853	2.45E-41	-0.2710972	2.61E-09	-0.24737	6.10E-08
0.74789	-0.33407	1.23E-13	-0.62948	6.57E-53	-0.4545194	3.47E-25	-0.3995	2.54E-19
0.38774	-0.31487	3.31E-12	-0.62818	1.24E-52	-0.1649838	0.00034	-0.14758	0.00138
0.0259	-0.28266	5.00E-10	-0.55357	7.49E-39	0.11295172	0.0146	0.119702	0.00962
0.29312	-0.42007	2.17E-21	-0.65901	1.68E-59	-0.0483729	0.29688	-0.01128	0.8079
0.89081	-0.4414	1.09E-23	-0.58988	4.12E-45	-0.2231794	1.11E-06	-0.1973	1.75E-05
9.29E-08	0.300513	3.34E-11	0.565747	7.27E-41	0.47880432	3.91E-28	0.288246	2.19E-10
0.17024	0.364912	3.72E-16	0.58712	1.31E-44	0.28448376	3.82E-10	0.165182	0.00034
2.11E-06	0.340032	4.20E-14	0.534775	6.68E-36	0.50631682	8.98E-32	0.343586	2.19E-14
0.24702	0.605653	4.36E-48	0.751952	3.46E-86	0.39032947	1.91E-18	0.35554	2.32E-15
0.04534	0.490288	1.30E-29	0.737442	2.81E-81	0.09719442	0.03575	-0.06183	0.18226
0.13862	0.081787	0.07745	0.523901	2.81E-34	0.42267627	1.16E-21	0.230999	4.49E-07
0.00091	0.497395	1.48E-30	0.660243	8.58E-60	0.29533599	7.47E-11	0.051541	0.26633
0.56472	0.613825	1.08E-49	0.641616	1.57E-55	0.44571941	3.56E-24	0.49412	4.05E-30
0.99445	0.508395	4.62E-32	0.724282	4.24E-77	0.49321232	5.34E-30	0.42712	3.94E-22
0.06245	0.383858	7.64E-18	0.672895	7.25E-63	0.09971409	0.03121	-0.07309	0.11469
0.91854	0.6394	4.83E-55	0.661506	4.30E-60	0.18268448	7.17E-05	0.203232	9.58E-06
0.62762	0.329941	2.54E-13	0.527429	8.47E-35	0.46667424	1.24E-26	0.285124	3.48E-10
0.00986	0.104377	0.02409	0.631394	2.58E-53	0.42497677	6.65E-22	0.318895	1.69E-12
0.04836	0.450197	1.10E-24	0.646645	1.19E-56	0.50541745	1.20E-31	0.38509	5.88E-18
0.85854	0.478429	4.36E-28	0.537139	2.91E-36	0.37789216	2.67E-17	0.331428	1.96E-13
0.00518	0.442631	7.94E-24	0.706747	6.78E-72	0.44799236	1.97E-24	0.238634	1.80E-07
0.91599	0.481224	1.93E-28	0.745749	4.77E-84	0.55110028	1.88E-38	0.556724	2.30E-39
0.24772	0.389006	2.54E-18	0.578887	3.92E-43	0.61322275	1.42E-49	0.423382	9.79E-22
0.00191	0.364788	3.81E-16	0.659077	1.62E-59	0.22377102	1.04E-06	-0.01183	0.79879
0.32043	0.288904	1.98E-10	0.53251	1.47E-35	0.64452477	3.55E-56	0.43858	2.24E-23
0.68669	0.432389	1.07E-22	0.714406	4.04E-74	0.55157165	1.58E-38	0.534435	7.52E-36
0.01097	0.515849	4.11E-33	0.713622	6.87E-74	0.44591966	3.38E-24	0.468824	6.79E-27
0.16145	0.269321	3.34E-09	0.498593	1.02E-30	0.35092796	5.58E-15	0.302267	2.54E-11
0.05617	0.391439	1.50E-18	0.725714	1.53E-77	0.24997458	4.38E-08	-0.03029	0.51379
0.2495	0.359265	1.13E-15	0.554442	5.41E-39	0.26146551	9.74E-09	0.118123	0.01063
0.39493	0.317045	2.30E-12	0.655855	9.23E-59	0.6028476	1.52E-47	0.507299	6.56E-32
0.40704	0.170938	0.00021	0.385851	5.00E-18	0.23095146	4.51E-07	0.092221	0.04639
0.00954	0.689182	4.69E-67	0.637176	1.48E-54	0.30330965	2.15E-11	0.404328	8.55E-20
0.01911	0.403789	9.67E-20	0.361384	7.46E-16	0.37296287	7.36E-17	0.387055	3.87E-18
0.11189	0.668809	7.40E-62	0.794581	#####	0.32398451	7.12E-13	0.352142	4.43E-15
0.21745	0.573541	3.37E-42	0.726498	8.71E-78	0.59387728	7.52E-46	0.444468	4.94E-24
0.05592	0.465641	1.66E-26	0.536624	3.49E-36	0.59877049	9.08E-47	0.377433	2.94E-17
0.03037	0.288049	2.25E-10	0.517921	2.07E-33	0.02195049	0.63611	-0.043	0.35386

0.1987	0.360678	8.57E-16	0.549889	2.93E-38	0.34472507	1.78E-14	0.327418	3.94E-13
0.99633	0.480832	2.16E-28	0.691298	1.28E-67	0.17838167	0.00011	-0.04003	0.38809
0.20378	0.590572	3.07E-45	0.705	2.13E-71	0.35671035	1.85E-15	0.389809	2.14E-18
0.54723	0.442132	9.03E-24	0.597339	1.69E-46	0.36040593	9.03E-16	0.202294	1.06E-05
0.55773	0.372756	7.68E-17	0.551458	1.64E-38	0.19546095	2.10E-05	0.17498	0.00014
0.0781	0.317473	2.14E-12	0.627203	1.98E-52	0.04090332	0.37782	-0.11404	0.01367
0.5691	0.29338	1.01E-10	0.549729	3.11E-38	0.15528575	0.00076	-0.04314	0.35229
0.34493	0.713027	1.03E-73	0.83017	#####	0.38404883	7.34E-18	0.302388	2.49E-11
0.00547	0.435839	4.50E-23	0.618314	1.35E-50	0.61666499	2.90E-50	0.504076	1.83E-31
0.63745	0.286845	2.70E-10	0.56831	2.67E-41	0.45269501	5.66E-25	0.29939	3.98E-11
0.08309	0.488707	2.09E-29	0.735804	9.59E-81	0.59684157	2.10E-46	0.431415	1.36E-22
0.06627	0.469285	5.97E-27	0.58418	4.46E-44	0.30261631	2.40E-11	0.299098	4.17E-11
0.17631	0.510461	2.38E-32	0.663762	1.24E-60	0.29028322	1.61E-10	0.230618	4.69E-07
0.1195	0.252668	3.10E-08	0.485311	5.76E-29	0.38712561	3.81E-18	0.348703	8.48E-15
0.4609	0.39527	6.49E-19	0.48986	1.48E-29	0.20600026	7.19E-06	0.02309	0.61869
0.9952	0.26054	1.10E-08	0.707289	4.74E-72	0.51775631	2.19E-33	0.356103	2.08E-15
0.14959	0.609624	7.32E-49	0.740842	2.13E-82	0.43087017	1.56E-22	0.323919	7.20E-13
0.61331	0.386202	4.64E-18	0.465311	1.82E-26	0.15242319	0.00095	0.169044	0.00024
0.25216	0.208151	5.74E-06	0.645641	2.00E-56	0.27094211	2.66E-09	0.104584	0.02381
9.71E-05	0.295609	7.16E-11	0.535223	5.71E-36	0.35732464	1.64E-15	0.169537	0.00023
4.60E-05	0.513977	7.58E-33	0.607957	1.55E-48	0.09857341	0.0332	0.057093	0.21814
0.14953	0.465353	1.80E-26	0.646179	1.51E-56	0.11814082	0.01061	0.045549	0.326
0.36553	0.563963	1.45E-40	0.650017	2.05E-57	0.22557471	8.42E-07	0.195476	2.10E-05
0.00012	0.494148	4.01E-30	0.766846	1.36E-91	0.4111409	1.79E-20	0.29531	7.50E-11
0.14435	0.41869	3.02E-21	0.639997	3.57E-55	0.24557666	7.65E-08	0.205984	7.20E-06
0.77785	0.174572	0.00015	0.520046	1.02E-33	0.34591584	1.43E-14	0.236707	2.28E-07
0.02038	0.570817	9.96E-42	0.814121	#####	0.43957838	1.74E-23	0.30597	1.41E-11
0.5816	0.237145	2.16E-07	0.500122	6.33E-31	0.50755839	6.04E-32	0.404222	8.76E-20
0.01483	0.412287	1.37E-20	0.631541	2.40E-53	0.26706587	4.55E-09	0.146286	0.00153
0.3361	0.37179	9.35E-17	0.699901	5.75E-70	0.27471177	1.57E-09	0.103935	0.0247
0.89259	0.313609	4.07E-12	0.588436	7.56E-45	0.63291133	1.23E-53	0.441134	1.17E-23
0.14114	0.267125	4.52E-09	0.513565	8.68E-33	0.40797551	3.72E-20	0.360192	9.42E-16
0.11435	0.376856	3.31E-17	0.574343	2.45E-42	0.40255876	1.28E-19	0.161481	0.00046
0.76392	0.437226	3.17E-23	0.665955	3.67E-61	0.29306982	1.06E-10	0.166162	0.00031
0.0297	0.390932	1.68E-18	0.579319	3.28E-43	0.05371213	0.24668	-0.07438	0.10842
0.02496	0.63638	2.20E-54	0.84503	#####	0.49087601	1.09E-29	0.467868	8.89E-27
0.01463	0.227488	6.76E-07	0.268818	3.58E-09	0.460793	6.33E-26	0.35018	6.42E-15
0.62627	0.0358	0.44022	0.291808	1.28E-10	0.27476285	1.56E-09	0.10752	0.02012
0.01819	0.347278	1.11E-14	0.591913	1.74E-45	0.37431096	5.59E-17	0.328203	3.44E-13
0.69845	0.530118	3.37E-35	0.840441	#####	0.58560337	2.47E-44	0.42662	4.45E-22
0.80778	0.583325	6.36E-44	0.8394	#####	0.57973517	2.77E-43	0.455534	2.64E-25
0.00051	0.604158	8.49E-48	0.639445	4.72E-55	0.34571762	1.48E-14	0.388403	2.89E-18
0.46602	0.305002	1.64E-11	0.615873	4.19E-50	0.36015018	9.50E-16	0.2176	2.07E-06
0.02641	0.552335	1.19E-38	0.749364	2.75E-85	0.16377476	0.00038	-0.04969	0.28391
0.02931	0.175698	0.00014	0.563795	1.55E-40	0.60376249	1.01E-47	0.469275	5.98E-27

0.56709	0.296275	6.46E-11	0.594559	5.61E-46	0.37018217	1.30E-16	0.269493	3.26E-09
0.69446	0.094455	0.04132	0.579556	2.98E-43	0.44842927	1.75E-24	0.208641	5.45E-06
0.16167	0.257572	1.63E-08	0.655158	1.34E-58	0.41397581	9.22E-21	0.208041	5.80E-06
0.1018	0.39141	1.51E-18	0.64282	8.50E-56	0.06934126	0.13459	-0.0518	0.2639
0.01155	0.428212	3.01E-22	0.634631	5.24E-54	0.15569301	0.00074	0.20774	5.99E-06
0.68098	0.368947	1.66E-16	0.525361	1.71E-34	0.32544531	5.54E-13	0.097423	0.03532
0.30833	0.393222	1.02E-18	0.614783	6.93E-50	0.44944728	1.34E-24	0.363051	5.38E-16
0.28951	0.580921	1.71E-43	0.809286	#####	0.71584152	1.52E-74	0.588247	8.19E-45
0.00064	0.263358	7.55E-09	0.513006	1.04E-32	0.32820514	3.44E-13	0.300543	3.33E-11
0.23859	0.334807	1.07E-13	0.525725	1.51E-34	0.32476108	6.23E-13	0.123549	0.00752
9.55E-07	0.453551	4.50E-25	0.572633	4.85E-42	0.02761609	0.55164	0.013914	0.76426
0.91354	0.46159	5.08E-26	0.719953	8.88E-76	0.34014952	4.11E-14	0.097708	0.03478
0.33057	0.34794	9.78E-15	0.680169	1.05E-64	0.51914291	1.38E-33	0.332716	1.56E-13
0.30876	0.538593	1.74E-36	0.667597	1.46E-61	0.33405904	1.23E-13	0.173885	0.00016
0.29254	0.252371	3.22E-08	0.519696	1.15E-33	0.37154426	9.83E-17	0.318953	1.67E-12
0.1433	0.432441	1.06E-22	0.686441	2.48E-66	0.1723137	0.00018	0.095278	0.03958
0.55334	0.269226	3.38E-09	0.677578	4.82E-64	0.53840489	1.86E-36	0.410027	2.32E-20
0.84408	0.2859	3.10E-10	0.628548	1.03E-52	0.60409293	8.74E-48	0.36202	6.59E-16
0.00034	0.309707	7.71E-12	0.626117	3.34E-52	0.1860905	5.21E-05	0.170925	0.00021
0.06281	0.255883	2.04E-08	0.599273	7.30E-47	0.04806966	0.29992	-0.06494	0.16118
0.00307	0.1853	5.61E-05	0.121816	0.00841	-0.0428972	0.35499	-0.03786	0.41431
0.00704	0.180145	9.06E-05	0.25534	2.19E-08	-0.1138047	0.01386	-0.18103	8.35E-05
0.50387	-0.14248	0.00202	-0.19375	2.49E-05	-0.1559935	0.00072	-0.22743	6.80E-07
0.00084	0.259044	1.35E-08	0.247913	5.70E-08	0.17550822	0.00014	0.22379	1.03E-06
0.00023	0.315565	2.95E-12	0.285619	3.23E-10	0.17758206	0.00011	0.286997	2.64E-10
0.13398	0.167356	0.00028	0.188271	4.23E-05	0.28920685	1.89E-10	0.455102	2.97E-25
0.10654	0.042025	0.36486	-0.14038	0.00236	-0.0226344	0.62563	0.18186	7.73E-05
0.17567	0.308567	9.27E-12	0.18296	6.98E-05	0.08117634	0.0797	0.229606	5.28E-07
0.04389	0.430491	1.71E-22	0.242103	1.18E-07	0.3312689	2.01E-13	0.548049	5.76E-38
0.87229	0.231246	4.36E-07	0.192038	2.94E-05	0.03002004	0.51754	0.058119	0.20997
0.81527	0.053016	0.25286	0.01202	0.79559	0.00675063	0.88432	0.027687	0.55062
6.35E-05	0.317474	2.14E-12	0.3155	2.98E-12	0.37198521	8.99E-17	0.25277	3.06E-08
1.14E-07	0.20042	1.28E-05	0.189842	3.64E-05	0.04006678	0.38766	0.111842	0.0156
0.00147	0.180007	9.17E-05	0.163447	0.00039	0.09299779	0.04457	0.158931	0.00057
8.50E-05	0.110822	0.01658	-0.08463	0.06767	-0.2524796	3.18E-08	-0.29631	6.42E-11
0.25529	-0.10616	0.02177	-0.07226	0.1189	0.05105674	0.27085	0.171038	0.0002
0.65763	0.105036	0.0232	0.093388	0.04368	-0.1400342	0.00242	-0.21443	2.93E-06
0.06334	0.276691	1.18E-09	0.180259	8.96E-05	0.00221446	0.96193	0.067135	0.14746
0.00013	0.236529	2.32E-07	0.155888	0.00072	0.00561793	0.90363	0.092695	0.04527
0.64731	0.182215	7.48E-05	0.086964	0.0604	-0.178006	0.00011	-0.21915	1.74E-06
0.12837	0.214453	2.92E-06	0.270725	2.75E-09	0.20088896	1.22E-05	0.305579	1.50E-11
2.29E-05	0.283536	4.39E-10	0.239814	1.56E-07	0.06128972	0.18611	0.110638	0.01676
1.21E-06	0.171549	0.0002	0.175334	0.00014	0.13089402	0.00461	0.227575	6.69E-07
0.00073	0.208558	5.49E-06	0.237005	2.20E-07	0.10783996	0.01975	0.150559	0.0011
0.02337	0.165517	0.00033	0.094486	0.04126	0.07364299	0.11199	0.266335	5.03E-09



0.01256	0.197958	1.64E-05	0.101245	0.02869	-0.0511159	0.27029	0.010146	0.82691
0.06651	0.205205	7.81E-06	0.031411	0.49831	-0.1890665	3.92E-05	-0.31686	2.37E-12
0.48627	0.244051	9.25E-08	0.040825	0.37873	0.1000129	0.0307	0.080224	0.08331
0.00239	0.278556	9.06E-10	0.13378	0.00378	-0.2729503	2.01E-09	-0.40439	8.43E-20
1.59E-05	0.408733	3.12E-20	0.26002	1.18E-08	0.08413401	0.06929	0.108715	0.01877
0.34252	0.312834	4.62E-12	0.564488	1.18E-40	0.36402167	4.44E-16	0.346936	1.18E-14
0.00991	0.133189	0.00393	0.264854	6.16E-09	0.05976404	0.19733	-0.0987	0.03298
0.00256	0.246244	7.03E-08	0.228248	6.19E-07	0.05776981	0.21272	0.021369	0.64508
0.08583	0.286318	2.91E-10	0.101531	0.02824	0.01891392	0.68351	0.049286	0.28784
0.00029	0.283494	4.42E-10	0.253779	2.69E-08	-0.0412797	0.37344	0.079352	0.08673
0.0059	0.282749	4.93E-10	0.240768	1.39E-07	0.0470019	0.31079	0.009321	0.84079
0.00262	0.205419	7.64E-06	0.131019	0.00457	0.000602	0.98965	0.028332	0.54137
0.22706	0.40525	6.94E-20	0.304358	1.82E-11	0.30669177	1.25E-11	0.296317	6.42E-11
4.02E-07	0.343499	2.23E-14	0.189406	3.80E-05	-0.0911942	0.04889	-0.13799	0.00281
8.19E-12	0.039338	0.39635	0.141554	0.00217	-0.0705046	0.12815	-0.02029	0.66194
0.00291	0.161128	0.00047	0.068056	0.14198	-0.091476	0.04819	-0.15463	0.0008
0.00177	0.281029	6.34E-10	0.091302	0.04862	0.15001737	0.00115	0.274491	1.62E-09
0.29964	0.247097	6.32E-08	0.197769	1.67E-05	0.23858045	1.81E-07	0.322116	9.80E-13
6.53E-07	0.303123	2.22E-11	0.203113	9.70E-06	0.14688468	0.00146	0.286894	2.68E-10
1.89E-05	0.239548	1.61E-07	0.106187	0.02173	0.21516716	2.70E-06	0.255442	2.16E-08
6.16E-05	0.271279	2.54E-09	0.243431	9.99E-08	0.10013652	0.03049	0.148461	0.00129
1.03E-05	-0.02093	0.65191	-0.01648	0.72244	-0.1783579	0.00011	-0.1764	0.00013
0.00208	0.122274	0.00816	-0.06171	0.18313	-0.1655002	0.00033	-0.17803	0.00011
0.00955	0.200196	1.31E-05	0.140485	0.00234	0.19498118	2.20E-05	0.355567	2.31E-15
0.00165	0.033728	0.46715	-0.0502	0.279	0.07982803	0.08485	0.218112	1.95E-06
0.06752	0.182663	7.18E-05	0.074558	0.10759	0.07680579	0.09736	0.077645	0.09375
0.00139	-0.03842	0.40753	-0.05441	0.24054	0.01368905	0.76796	0.198071	1.62E-05
1.26E-05	0.1397	0.00248	0.040165	0.3865	-0.2426336	1.10E-07	-0.15294	0.00091
1.75E-07	0.02188	0.6372	-0.09128	0.04869	-0.0942631	0.04174	-0.04082	0.3788
0.02531	0.466671	1.24E-26	0.383972	7.46E-18	0.2217595	1.30E-06	0.310713	6.54E-12
0.26141	0.225159	8.84E-07	0.06047	0.19208	0.16468475	0.00035	0.195696	2.05E-05
1.28E-07	0.376507	3.56E-17	0.241538	1.26E-07	0.10188559	0.02769	0.072507	0.11764
1.51E-05	-0.02915	0.52973	-0.0089	0.84785	-0.1083458	0.01918	-0.04815	0.29909
0.00256	0.1633	0.0004	0.244696	8.54E-08	0.25560428	2.12E-08	0.238142	1.91E-07
0.17265	0.046835	0.31252	0.22631	7.74E-07	0.16510743	0.00034	0.108439	0.01908
0.05891	0.103763	0.02494	-0.06573	0.15617	-0.0040805	0.92992	0.19715	1.78E-05
0.03246	0.063374	0.17155	0.058839	0.20437	0.02609045	0.57384	0.07807	0.09196
0.0065	0.083941	0.06994	0.199618	1.39E-05	0.08197797	0.07676	0.010757	0.81665
0.02414	0.47688	6.82E-28	0.552489	1.12E-38	0.47718962	6.24E-28	0.394282	8.07E-19
0.05125	0.07793	0.09254	-0.00485	0.91679	0.22086565	1.44E-06	0.285919	3.09E-10
0.0002	-0.00948	0.83815	0.03642	0.43233	0.3532731	3.58E-15	0.374528	5.35E-17
0.83064	0.295095	7.75E-11	0.232835	3.61E-07	0.2802481	7.10E-10	0.547081	8.21E-38
0.18124	-0.12825	0.00551	-0.1946	2.29E-05	-0.1047035	0.02365	-0.252	3.38E-08
0.12855	0.252633	3.11E-08	0.158797	0.00057	0.30824613	9.77E-12	0.537446	2.61E-36
0.09329	0.501274	4.42E-31	0.336609	7.79E-14	0.22430506	9.74E-07	0.496389	2.02E-30

0.37276	0.106302	0.02159	0.098746	0.03289	0.25176852	3.48E-08	0.554647	5.01E-39
0.392	-0.26772	4.16E-09	-0.29592	6.83E-11	-0.315631	2.91E-12	-0.54349	3.02E-37
0.35153	0.303535	2.08E-11	0.265805	5.41E-09	0.41394041	9.30E-21	0.51953	1.22E-33
0.94728	0.183435	6.68E-05	0.177769	0.00011	0.42192226	1.39E-21	0.655522	1.10E-58
0.07108	0.27025	2.93E-09	0.384751	6.32E-18	0.34510963	1.65E-14	0.529323	4.43E-35
0.0618	0.086364	0.06221	0.416578	4.99E-21	0.21734392	2.13E-06	0.25813	1.52E-08
0.21886	0.247009	6.39E-08	0.245314	7.90E-08	0.41344777	1.04E-20	0.58288	7.64E-44
0.15225	0.444486	4.91E-24	0.387333	3.64E-18	0.18376423	6.48E-05	0.264776	6.23E-09
0.62133	0.342815	2.53E-14	0.374219	5.70E-17	0.36561785	3.23E-16	0.569243	1.85E-41
0.12641	0.465599	1.68E-26	0.343499	2.23E-14	0.30692221	1.21E-11	0.590554	3.10E-45
0.23474	0.479345	3.34E-28	0.349746	6.97E-15	0.30064764	3.27E-11	0.495721	2.48E-30
0.03466	0.373006	7.30E-17	0.355566	2.31E-15	0.14174998	0.00214	0.337124	7.10E-14
0.31584	0.236445	2.35E-07	0.201873	1.10E-05	0.35468845	2.73E-15	0.590784	2.81E-45
0.7794	0.055252	0.23337	0.339221	4.86E-14	0.37868512	2.26E-17	0.454889	3.14E-25
0.76488	0.415528	6.40E-21	0.405238	6.95E-20	0.48084587	2.15E-28	0.52739	8.59E-35
0.92496	0.486995	3.49E-29	0.432174	1.13E-22	0.09117833	0.04893	0.212671	3.54E-06
0.02389	0.273404	1.89E-09	0.31402	3.80E-12	0.28165478	5.79E-10	0.415275	6.79E-21
0.20839	0.358908	1.21E-15	0.084334	0.06863	0.04414167	0.34119	0.178431	0.00011
0.01098	0.155888	0.00072	0.104309	0.02418	0.33790714	6.16E-14	0.622055	2.32E-51
5.28E-09	0.601202	3.13E-47	0.699518	7.34E-70	0.46219516	4.30E-26	0.501011	4.80E-31
0.00324	0.107838	0.01976	-0.08432	0.06868	-0.1139049	0.01378	0.204047	8.81E-06
0.20352	0.359301	1.12E-15	0.392083	1.30E-18	0.42090042	1.78E-21	0.61348	1.26E-49
0.46395	0.304798	1.70E-11	0.172761	0.00018	0.30118336	3.01E-11	0.567672	3.43E-41
0.27772	0.182666	7.18E-05	0.132001	0.00427	0.21186673	3.86E-06	0.462323	4.15E-26
0.50623	0.285234	3.42E-10	0.304877	1.68E-11	0.35711531	1.71E-15	0.588341	7.87E-45
0.00402	0.247343	6.12E-08	0.245692	7.54E-08	0.19986127	1.35E-05	0.315087	3.19E-12
0.54457	0.499544	7.58E-31	0.510757	2.16E-32	0.50192842	3.60E-31	0.663079	1.81E-60
0.00062	0.387099	3.83E-18	0.370226	1.28E-16	0.34161344	3.15E-14	0.423007	1.07E-21
0.63033	-0.03724	0.42206	0.163802	0.00038	0.20638052	6.91E-06	0.371929	9.09E-17
0.0005	0.209862	4.78E-06	0.286058	3.03E-10	0.27424171	1.68E-09	0.303396	2.12E-11
0.00938	0.514893	5.62E-33	0.236339	2.38E-07	-0.067489	0.14534	0.134898	0.00349
0.18384	0.415666	6.19E-21	0.455613	2.59E-25	0.4253538	6.06E-22	0.487697	2.83E-29
0.10533	0.447669	2.14E-24	0.284025	4.09E-10	0.15572528	0.00073	0.397231	4.21E-19
0.01169	0.439759	1.66E-23	0.161724	0.00045	0.22285073	1.15E-06	0.435421	5.00E-23
0.00959	0.269308	3.34E-09	0.22654	7.54E-07	-0.0462458	0.31865	0.060425	0.19241
0.09286	0.345402	1.57E-14	0.259633	1.24E-08	0.35129378	5.21E-15	0.495053	3.04E-30
0.99835	0.009505	0.83769	-0.23444	2.99E-07	-0.178658	0.0001	-0.39197	1.34E-18
0.90659	0.451178	8.47E-25	0.192301	2.87E-05	0.20971765	4.86E-06	0.402228	1.38E-19
0.52933	0.099687	0.03125	0.265793	5.42E-09	0.44164617	1.02E-23	0.542672	4.05E-37
0.8368	0.276541	1.21E-09	0.204923	8.04E-06	0.32187731	1.02E-12	0.586211	1.92E-44
0.25468	0.195685	2.06E-05	0.048959	0.29106	0.04338659	0.34952	0.240964	1.36E-07
0.45775	0.305543	1.51E-11	0.165122	0.00034	0.18969961	3.69E-05	0.301399	2.91E-11
0.12317	0.290627	1.53E-10	0.369895	1.37E-16	0.491533	8.90E-30	0.67227	1.04E-62
0.18215	0.346363	1.31E-14	0.417058	4.46E-21	0.53812968	2.05E-36	0.730184	6.07E-79
0.34522	0.314917	3.28E-12	0.139672	0.00249	0.27152325	2.46E-09	0.556733	2.29E-39

0.13496	0.400739	1.92E-19	0.424686	7.14E-22	0.23731539	2.11E-07	0.479744	2.97E-28
0.49584	0.325166	5.81E-13	0.401072	1.79E-19	0.21624617	2.40E-06	0.345764	1.47E-14
0.27866	0.233121	3.49E-07	0.381856	1.17E-17	0.55219761	1.25E-38	0.723919	5.48E-77
0.5426	0.240282	1.47E-07	0.303034	2.25E-11	0.23245754	3.78E-07	0.425095	6.46E-22
0.00094	0.467737	9.22E-27	0.541943	5.27E-37	0.36834141	1.88E-16	0.47644	7.75E-28
0.76869	0.399275	2.67E-19	0.413163	1.12E-20	0.40393368	9.36E-20	0.47337	1.87E-27
0.28674	0.277128	1.11E-09	0.21107	4.21E-06	0.29104181	1.44E-10	0.630744	3.55E-53
0.17958	0.422829	1.12E-21	0.17886	0.0001	0.29025589	1.62E-10	0.596964	1.99E-46
0.78632	0.315402	3.03E-12	0.229152	5.57E-07	-0.0641143	0.16659	0.153128	0.0009
0.09323	0.215243	2.68E-06	0.215294	2.66E-06	0.35838774	1.34E-15	0.538832	1.60E-36
0.73824	0.297766	5.13E-11	0.48563	5.24E-29	0.35538334	2.39E-15	0.413248	1.09E-20
0.4438	0.269871	3.09E-09	0.226218	7.82E-07	0.29412635	8.99E-11	0.491981	7.77E-30
0.00206	0.187592	4.52E-05	0.097768	0.03467	-0.0979879	0.03426	0.084504	0.06807
0.35555	0.435636	4.73E-23	0.485787	5.00E-29	0.441373	1.10E-23	0.522215	4.95E-34
0.32061	0.358668	1.27E-15	0.469388	5.80E-27	0.24705163	6.35E-08	0.447579	2.19E-24
0.67473	0.151353	0.00103	0.172342	0.00018	0.27205238	2.28E-09	0.480549	2.35E-28
0.56611	0.633035	1.15E-53	0.45507	2.99E-25	0.15315719	0.0009	0.311993	5.31E-12
0.13321	0.172653	0.00018	0.152478	0.00095	0.16170092	0.00045	0.424298	7.84E-22
0.00032	0.295476	7.31E-11	0.3244	6.63E-13	0.41480422	7.59E-21	0.623309	1.28E-51
0.12231	0.420583	1.92E-21	0.472311	2.53E-27	0.25869197	1.41E-08	0.312696	4.73E-12
0.0022	0.333973	1.25E-13	0.323038	8.37E-13	0.23204893	3.97E-07	0.452528	5.91E-25
0.00141	0.225916	8.10E-07	0.276938	1.14E-09	0.34114969	3.42E-14	0.518456	1.74E-33
0.15986	0.299057	4.20E-11	0.150157	0.00114	0.31217426	5.15E-12	0.516777	3.03E-33
0.02288	0.218407	1.89E-06	0.227562	6.70E-07	0.10296743	0.02607	0.317186	2.25E-12
0.01176	0.317967	1.97E-12	0.283225	4.60E-10	0.39515268	6.66E-19	0.583631	5.60E-44
0.57113	0.202138	1.07E-05	0.325022	5.96E-13	0.067691	0.14413	0.192667	2.77E-05
0.19794	0.104521	0.02389	0.203671	9.16E-06	0.26772855	4.16E-09	0.393287	1.00E-18
0.63379	0.413748	9.73E-21	0.297174	5.62E-11	0.43749305	2.96E-23	0.650503	1.58E-57
0.53564	0.330179	2.43E-13	0.394946	6.97E-19	0.45776622	1.44E-25	0.660744	6.53E-60
1.09E-07	0.217283	2.14E-06	0.223208	1.10E-06	0.21260853	3.56E-06	0.371964	9.02E-17
0.83478	0.204459	8.44E-06	0.210228	4.60E-06	0.33200244	1.77E-13	0.552187	1.25E-38
0.27756	0.284506	3.81E-10	0.004373	0.9249	0.09259087	0.04552	0.302118	2.60E-11
0.59514	0.146208	0.00153	0.15464	0.0008	0.13602434	0.00323	0.384146	7.19E-18
0.07221	0.540521	8.76E-37	0.528664	5.55E-35	0.1808449	8.49E-05	0.347169	1.13E-14
0.66422	0.242254	1.16E-07	0.287483	2.45E-10	0.39751562	3.95E-19	0.589526	4.78E-45
0.00633	0.19669	1.86E-05	0.177153	0.00012	0.30085517	3.17E-11	0.536084	4.22E-36
0.31222	0.171316	0.0002	0.276171	1.27E-09	0.457078	1.74E-25	0.5352	5.75E-36
0.79975	0.348052	9.58E-15	0.217013	2.21E-06	0.10476	0.02357	0.198533	1.55E-05
0.582	-0.14079	0.00229	-0.15731	0.00065	-0.0165075	0.72199	-0.13786	0.00283
0.84133	0.278334	9.35E-10	0.148703	0.00127	0.21978998	1.62E-06	0.550218	2.60E-38
0.57416	0.324093	6.99E-13	0.330392	2.35E-13	0.16967808	0.00023	0.232607	3.71E-07
0.6892	0.229535	5.33E-07	0.178167	0.00011	0.30128272	2.96E-11	0.598235	1.15E-46
0.00924	0.3415	3.21E-14	0.322106	9.81E-13	0.2262056	7.84E-07	0.40023	2.16E-19
0.8198	0.182492	7.29E-05	0.089733	0.05264	0.16823318	0.00026	0.39019	1.97E-18
0.37333	0.545925	1.25E-37	0.606376	3.16E-48	0.22554967	8.45E-07	0.288874	1.99E-10

0.7181	0.367919	2.04E-16	0.521233	6.88E-34	0.20825598	5.67E-06	0.230483	4.77E-07
0.88154	0.312388	4.98E-12	0.135052	0.00345	0.04671484	0.31376	0.171719	0.00019
0.10409	0.459421	9.21E-26	0.36986	1.38E-16	0.39514679	6.67E-19	0.536013	4.32E-36
1.11E-13	0.304541	1.77E-11	0.325221	5.76E-13	0.12512587	0.00678	0.224284	9.76E-07
0.19981	0.321337	1.12E-12	0.324598	6.41E-13	0.30456559	1.76E-11	0.4906	1.18E-29
0.02026	0.198051	1.62E-05	0.381448	1.27E-17	0.50175633	3.80E-31	0.548313	5.23E-38
0.36144	0.244818	8.41E-08	0.399349	2.63E-19	0.30936964	8.14E-12	0.520226	9.64E-34
0.85212	0.270425	2.86E-09	0.391542	1.47E-18	0.49061255	1.18E-29	0.627814	1.47E-52
0.38184	0.234884	2.83E-07	0.172441	0.00018	0.05937174	0.20029	0.224355	9.68E-07
0.47228	0.473288	1.92E-27	0.618285	1.36E-50	0.25645025	1.89E-08	0.264109	6.82E-09
0.77889	0.466027	1.49E-26	0.43268	9.95E-23	0.28016653	7.18E-10	0.527701	7.72E-35
0.00614	0.017959	0.69868	0.171189	0.0002	0.30055039	3.32E-11	0.37705	3.18E-17
0.61042	0.300018	3.61E-11	0.040496	0.38258	-0.0104107	0.82246	0.226793	7.32E-07
0.88644	0.302394	2.49E-11	0.261366	9.87E-09	0.24784226	5.75E-08	0.479747	2.97E-28
0.61014	0.237753	2.01E-07	0.405209	7.00E-20	0.40899854	2.94E-20	0.628517	1.05E-52
0.32513	0.335436	9.60E-14	0.144314	0.00177	0.02415997	0.60252	0.264623	6.36E-09
0.31779	0.502506	3.00E-31	0.433852	7.42E-23	0.23588274	2.51E-07	0.369505	1.48E-16
0.10714	0.223317	1.09E-06	0.221237	1.38E-06	0.35682421	1.81E-15	0.494539	3.56E-30
0.2591	0.188431	4.17E-05	0.231975	4.00E-07	0.37934879	1.97E-17	0.626283	3.08E-52
0.68253	0.374392	5.50E-17	0.247983	5.65E-08	0.23102524	4.47E-07	0.443037	7.15E-24
0.73771	0.36354	4.88E-16	0.391526	1.47E-18	0.19833533	1.58E-05	0.254586	2.42E-08
0.669	-0.09205	0.0468	0.09991	0.03087	0.17639709	0.00013	0.268132	3.93E-09
2.48E-05	0.336182	8.41E-14	0.424461	7.54E-22	0.09921133	0.03207	0.315152	3.15E-12
0.01725	0.287275	2.53E-10	0.079162	0.08749	0.11180787	0.01564	0.367918	2.04E-16
0.08588	0.259553	1.26E-08	0.463425	3.06E-26	0.21188161	3.85E-06	0.317244	2.23E-12
0.0076	0.573241	3.80E-42	0.532883	1.29E-35	0.40243146	1.31E-19	0.389019	2.54E-18
0.27026	-0.24471	8.53E-08	-0.03034	0.51301	-0.1115353	0.01589	-0.32833	3.36E-13
0.87785	0.254315	2.50E-08	0.207914	5.88E-06	0.32463285	6.37E-13	0.619815	6.66E-51
0.38033	0.423363	9.84E-22	0.214974	2.76E-06	0.22551426	8.48E-07	0.542278	4.67E-37
3.84E-05	0.216488	2.34E-06	0.294757	8.16E-11	0.0190893	0.68074	0.095617	0.03888
0.68698	0.35956	1.07E-15	0.2718	2.36E-09	0.25418318	2.55E-08	0.512315	1.30E-32
0.2029	0.020604	0.65696	0.35021	6.39E-15	0.16249712	0.00042	0.274379	1.64E-09
0.32465	0.30108	3.06E-11	0.353951	3.14E-15	0.24387903	9.45E-08	0.448707	1.63E-24
0.2088	0.573395	3.58E-42	0.415127	7.03E-21	0.35429179	2.94E-15	0.573416	3.55E-42
0.84014	0.349435	7.39E-15	0.168419	0.00026	0.35243388	4.19E-15	0.635708	3.07E-54
0.43528	0.330167	2.44E-13	0.286388	2.88E-10	0.2175228	2.08E-06	0.433961	7.22E-23
0.00046	0.363035	5.39E-16	0.467181	1.08E-26	0.30611315	1.38E-11	0.299475	3.93E-11
0.3187	0.192862	2.72E-05	0.076716	0.09775	0.13833568	0.00274	0.397573	3.90E-19
0.01435	0.045987	0.32137	0.205498	7.58E-06	0.24670926	6.63E-08	0.3688	1.71E-16
0.03377	0.142815	0.00198	0.309765	7.64E-12	0.47442214	1.38E-27	0.66767	1.41E-61
0.77291	0.288653	2.06E-10	0.232885	3.59E-07	0.32981592	2.59E-13	0.577576	6.67E-43
0.54445	0.281808	5.66E-10	0.381898	1.16E-17	0.41231906	1.36E-20	0.621461	3.07E-51
0.12354	0.153392	0.00088	0.157001	0.00066	0.27968807	7.70E-10	0.509558	3.18E-32
0.06304	0.232793	3.63E-07	0.393105	1.04E-18	0.38421528	7.08E-18	0.478188	4.67E-28
0.37181	0.471462	3.22E-27	0.15035	0.00112	0.19630196	1.93E-05	0.432462	1.05E-22

3.53E-05	0.153439	0.00088	0.269354	3.32E-09	0.23007487	5.00E-07	0.453678	4.35E-25
0.34266	0.01909	0.68072	0.225712	8.29E-07	0.4589439	1.05E-25	0.449903	1.19E-24
0.91331	0.526264	1.26E-34	0.39244	1.21E-18	0.27984519	7.52E-10	0.427521	3.57E-22
0.10758	0.304071	1.91E-11	0.124463	0.00708	0.22768987	6.60E-07	0.412396	1.33E-20
0.49693	-0.083	0.07314	0.044699	0.33513	0.16149958	0.00046	0.389293	2.39E-18
0.16554	0.310445	6.84E-12	0.138241	0.00276	0.21412833	3.02E-06	0.427514	3.57E-22
0.22151	0.491459	9.10E-30	0.423721	9.02E-22	0.18924645	3.86E-05	0.387631	3.42E-18
0.99176	0.385032	5.96E-18	0.259293	1.30E-08	0.07577853	0.10193	0.230654	4.67E-07
0.50956	0.497216	1.56E-30	0.510292	2.51E-32	0.34110647	3.45E-14	0.429211	2.35E-22
0.52172	0.126093	0.00636	0.164812	0.00035	0.07440888	0.10829	0.24049	1.44E-07
0.1682	0.011175	0.80967	0.224266	9.78E-07	0.31862229	1.77E-12	0.32374	7.43E-13
0.50679	0.114508	0.01328	0.168693	0.00025	0.31928081	1.58E-12	0.569648	1.58E-41
0.99755	0.402566	1.28E-19	0.248329	5.40E-08	0.23402954	3.14E-07	0.380429	1.57E-17
0.0155	0.372857	7.52E-17	0.509608	3.13E-32	0.47665501	7.28E-28	0.614105	9.47E-50
0.05902	0.463724	2.82E-26	0.274106	1.71E-09	0.0972492	0.03565	0.382288	1.06E-17
0.09267	0.047987	0.30075	0.157899	0.00062	0.25095862	3.86E-08	0.443987	5.59E-24
0.00018	0.390635	1.79E-18	0.163502	0.00039	0.33834722	5.69E-14	0.508183	4.95E-32
0.00969	0.367479	2.23E-16	0.412003	1.46E-20	0.3406652	3.74E-14	0.503559	2.15E-31
3.24E-05	0.441072	1.19E-23	0.254323	2.50E-08	0.32411045	6.97E-13	0.552805	9.96E-39
0.00954	0.505367	1.21E-31	0.790177	#####	0.3053971	1.54E-11	0.34183	3.02E-14
0.08832	0.459425	9.20E-26	0.452426	6.08E-25	0.22671148	7.39E-07	0.335184	1.00E-13
0.46272	0.428985	2.49E-22	0.301326	2.94E-11	0.17360584	0.00016	0.350044	6.59E-15
0.00076	0.233394	3.38E-07	0.089179	0.05412	0.24051537	1.43E-07	0.489863	1.47E-29
0.00012	0.33589	8.86E-14	0.117893	0.01078	0.10242196	0.02688	0.352884	3.85E-15
0.37247	0.009352	0.84027	0.026224	0.57188	-0.0674348	0.14566	0.0937	0.04298
0.06175	0.344013	2.03E-14	0.228913	5.73E-07	0.23080464	4.59E-07	0.494422	3.69E-30
0.00043	-0.28729	2.52E-10	-0.10254	0.0267	-0.1274741	0.0058	-0.24796	5.67E-08
0.64647	0.534357	7.73E-36	0.506953	7.33E-32	0.41861379	3.08E-21	0.622034	2.34E-51
0.13252	0.479949	2.80E-28	0.512529	1.22E-32	0.40710138	4.54E-20	0.483314	1.04E-28
0.02305	0.234721	2.89E-07	0.266791	4.73E-09	0.41634418	5.28E-21	0.425561	5.77E-22
7.48E-05	0.455989	2.34E-25	0.343914	2.06E-14	0.37140425	1.01E-16	0.501483	4.14E-31
0.60711	-0.19464	2.28E-05	-0.01314	0.77696	0.0150652	0.7454	-0.26202	9.04E-09
0.00252	0.169881	0.00023	0.227889	6.45E-07	0.18287806	7.04E-05	0.284186	3.99E-10
0.02102	0.249272	4.79E-08	0.22991	5.10E-07	0.30455222	1.77E-11	0.512002	1.44E-32
0.11357	0.137681	0.00287	0.075336	0.10395	0.23988388	1.55E-07	0.332179	1.71E-13
0.00028	0.494713	3.37E-30	0.489592	1.60E-29	0.32741451	3.94E-13	0.530809	2.65E-35
0.01441	0.359296	1.12E-15	0.334801	1.08E-13	0.41467648	7.82E-21	0.579108	3.58E-43
0.01634	0.481259	1.91E-28	0.533666	9.84E-36	0.28807307	2.24E-10	0.481697	1.68E-28
0.12865	0.399675	2.44E-19	0.242287	1.15E-07	0.31890267	1.69E-12	0.552446	1.14E-38
0.02553	0.237315	2.11E-07	0.180708	8.60E-05	0.40007321	2.23E-19	0.455318	2.80E-25
0.54827	0.305132	1.61E-11	0.17458	0.00015	0.30341612	2.12E-11	0.574841	2.01E-42
0.37155	0.206053	7.15E-06	0.158687	0.00058	0.13743106	0.00292	0.352078	4.49E-15
0.20007	0.319134	1.62E-12	0.110631	0.01677	-0.0119454	0.79682	0.215822	2.51E-06
0.01898	0.680737	7.54E-65	0.452647	5.73E-25	0.40032564	2.11E-19	0.529981	3.53E-35
0.89696	0.50947	3.27E-32	0.302105	2.60E-11	0.2486283	5.20E-08	0.433738	7.63E-23

2.82E-13	0.354076	3.07E-15	0.291763	1.29E-10	0.34660771	1.25E-14	0.581629	1.28E-43
0.71639	0.236871	2.23E-07	0.486473	4.08E-29	0.45273053	5.60E-25	0.392582	1.17E-18
0.76727	0.091608	0.04787	0.041417	0.37185	0.03628904	0.434	0.218843	1.80E-06
0.18569	0.356198	2.04E-15	0.2005	1.27E-05	0.26449124	6.47E-09	0.526081	1.34E-34
0.0812	0.210609	4.42E-06	0.26557	5.59E-09	0.25200647	3.38E-08	0.528699	5.48E-35
0.51316	0.036507	0.43124	0.278611	8.99E-10	0.3846535	6.45E-18	0.585374	2.72E-44
0.00463	0.325159	5.82E-13	0.519082	1.41E-33	0.34543569	1.56E-14	0.439348	1.85E-23
0.01839	-0.22315	1.11E-06	-0.10373	0.02499	0.13071504	0.00466	-0.09697	0.03618
0.52198	0.321517	1.08E-12	0.262933	7.99E-09	0.3708355	1.13E-16	0.60481	6.36E-48
0.63199	0.341607	3.15E-14	0.440236	1.47E-23	0.44153823	1.05E-23	0.557679	1.60E-39
0.00064	-0.34711	1.14E-14	-0.14987	0.00116	-0.1603171	0.00051	-0.34262	2.62E-14
9.23E-07	0.3112	6.04E-12	0.304952	1.66E-11	0.52219096	4.99E-34	0.660414	7.82E-60
0.46823	-0.04494	0.33256	0.171503	0.0002	0.19381761	2.47E-05	0.282662	4.99E-10
0.94064	0.481059	2.02E-28	0.445881	3.42E-24	0.15761009	0.00063	0.238029	1.94E-07
0.528	0.277907	9.94E-10	0.413404	1.05E-20	0.51057973	2.29E-32	0.654185	2.25E-58
0.05642	0.276513	1.21E-09	0.254652	2.40E-08	0.1511909	0.00105	0.291339	1.37E-10
0.01078	0.245841	7.40E-08	0.291844	1.27E-10	0.19039715	3.45E-05	0.276262	1.26E-09
0.04749	0.08537	0.06529	-0.07195	0.12052	0.15715811	0.00065	0.363976	4.48E-16
0.58233	0.186902	4.82E-05	0.321476	1.09E-12	0.2221125	1.25E-06	0.431194	1.44E-22
0.27227	0.348475	8.85E-15	0.14123	0.00222	0.01145849	0.80494	0.186964	4.79E-05
0.21816	0.466947	1.15E-26	0.220636	1.47E-06	0.38997511	2.06E-18	0.606875	2.53E-48
0.7984	0.322184	9.68E-13	0.408363	3.40E-20	0.4225443	1.20E-21	0.579083	3.62E-43
0.41345	0.511368	1.77E-32	0.325468	5.52E-13	0.1532141	0.00089	0.324916	6.07E-13
6.66E-05	0.693635	3.00E-68	0.587173	1.28E-44	0.34496275	1.70E-14	0.394149	8.31E-19
0.23876	0.08726	0.05953	0.378018	2.60E-17	0.53210012	1.70E-35	0.423552	9.40E-22
0.24497	0.37766	2.80E-17	0.286767	2.73E-10	0.16519933	0.00034	0.333609	1.33E-13
0.01112	0.349211	7.71E-15	0.306294	1.34E-11	-0.0362621	0.43434	0.185407	5.56E-05
0.81377	0.301923	2.68E-11	0.341972	2.95E-14	0.52117133	7.03E-34	0.690119	2.64E-67
0.04433	0.365211	3.51E-16	0.348229	9.26E-15	0.44609863	3.23E-24	0.559371	8.43E-40
0.03874	0.245365	7.85E-08	0.385083	5.89E-18	0.44617478	3.16E-24	0.485791	5.00E-29
0.87367	0.233686	3.27E-07	0.573796	3.05E-42	0.37592438	4.01E-17	0.486379	4.19E-29
0.37845	0.315113	3.18E-12	0.321127	1.16E-12	0.18162379	7.90E-05	0.397352	4.10E-19
0.17694	0.120283	0.00927	-0.03045	0.51156	0.06040197	0.19258	0.313069	4.45E-12
0.11287	0.320749	1.24E-12	0.401067	1.79E-19	0.35693394	1.77E-15	0.371993	8.97E-17
0.61697	0.306544	1.28E-11	0.305969	1.41E-11	0.24666426	6.67E-08	0.422791	1.13E-21
0.79466	0.216296	2.39E-06	0.330233	2.41E-13	0.26348344	7.42E-09	0.338912	5.14E-14
0.01825	0.387637	3.41E-18	0.264961	6.07E-09	0.20047935	1.27E-05	0.351703	4.82E-15
0.15084	0.471805	2.92E-27	0.341943	2.96E-14	0.35250657	4.14E-15	0.558238	1.30E-39
0.01231	0.353509	3.42E-15	0.291078	1.43E-10	0.28397495	4.12E-10	0.378978	2.13E-17
0.98927	0.110498	0.0169	0.027201	0.55764	0.00983121	0.83219	0.233594	3.30E-07
0.0038	0.392091	1.30E-18	0.374891	4.96E-17	0.08018294	0.08347	0.275978	1.31E-09
0.10732	0.263723	7.18E-09	0.232709	3.67E-07	0.38354602	8.16E-18	0.60131	2.99E-47
0.76613	0.525602	1.58E-34	0.479718	2.99E-28	0.43082081	1.58E-22	0.577056	8.23E-43
0.33406	0.188181	4.27E-05	0.207995	5.83E-06	0.27553338	1.40E-09	0.375469	4.41E-17
9.28E-07	-0.39452	7.65E-19	-0.24336	1.01E-07	-0.2478857	5.72E-08	-0.45765	1.49E-25

0.00014	0.139813	0.00246	0.322861	8.63E-13	0.47222572	2.59E-27	0.55339	8.02E-39
0.77755	0.346285	1.33E-14	0.067927	0.14274	-0.0068014	0.88346	0.165985	0.00032
0.59792	0.141949	0.00211	0.324835	6.15E-13	0.25581062	2.06E-08	0.422379	1.25E-21
0.14523	0.403291	1.08E-19	0.173342	0.00017	0.12108739	0.00881	0.275177	1.47E-09
0.00254	0.17757	0.00011	0.302572	2.42E-11	0.46704458	1.12E-26	0.646711	1.15E-56
0.3198	0.498861	9.38E-31	0.447691	2.13E-24	0.44805843	1.93E-24	0.604864	6.20E-48
0.02601	0.384109	7.25E-18	0.359176	1.15E-15	0.44108893	1.18E-23	0.571874	6.55E-42
0.58182	0.199367	1.42E-05	0.234772	2.87E-07	0.34631982	1.32E-14	0.6321	1.83E-53
0.0979	0.355491	2.34E-15	0.23929	1.66E-07	0.20541997	7.64E-06	0.462406	4.06E-26
0.27363	0.456942	1.81E-25	0.51434	6.74E-33	0.13529473	0.0034	0.264271	6.67E-09
6.91E-09	0.378712	2.25E-17	0.213056	3.40E-06	0.06350045	0.1707	0.248615	5.21E-08
0.00417	0.451231	8.35E-25	0.55406	6.24E-39	0.39587888	5.68E-19	0.483957	8.61E-29
0.86394	0.232218	3.89E-07	0.147149	0.00143	0.19365176	2.51E-05	0.432651	1.00E-22
0.16522	-0.12008	0.0094	-0.02306	0.61916	-0.0019941	0.96572	-0.26273	8.22E-09
0.15512	0.268005	4.00E-09	0.198344	1.58E-05	0.29451091	8.48E-11	0.543355	3.17E-37
0.95178	0.489754	1.52E-29	0.473832	1.64E-27	0.57140929	7.88E-42	0.667904	1.23E-61
0.17312	0.508828	4.02E-32	0.423669	9.13E-22	0.41439832	8.35E-21	0.623673	1.08E-51
0.01285	0.491112	1.01E-29	0.278852	8.68E-10	0.41103388	1.83E-20	0.57306	4.09E-42
0.12042	0.460194	7.45E-26	0.456125	2.25E-25	0.25517343	2.24E-08	0.369177	1.59E-16
0.66774	0.480822	2.17E-28	0.493548	4.82E-30	0.27395856	1.74E-09	0.443573	6.23E-24
0.02596	0.468996	6.47E-27	0.404574	8.09E-20	0.36974484	1.41E-16	0.605382	4.92E-48
0.04095	0.330367	2.36E-13	0.534382	7.66E-36	0.41389482	9.40E-21	0.410989	1.85E-20
0.50334	0.496143	2.17E-30	0.411608	1.60E-20	0.43598826	4.33E-23	0.657206	4.46E-59
0.5743	0.248276	5.44E-08	0.279449	7.97E-10	0.53845942	1.82E-36	0.777135	1.43E-95
0.94519	0.521133	7.12E-34	0.423359	9.85E-22	0.44396934	5.62E-24	0.632632	1.41E-53
0.71433	0.289141	1.91E-10	0.480006	2.75E-28	0.33238946	1.65E-13	0.42834	2.92E-22
0.4693	0.400157	2.19E-19	0.220482	1.50E-06	0.08413831	0.06928	0.2228	1.16E-06
0.04512	0.586387	1.78E-44	0.480004	2.75E-28	0.26880001	3.59E-09	0.468057	8.43E-27
0.84615	0.359904	9.96E-16	0.273661	1.82E-09	0.05323969	0.25087	0.215884	2.50E-06
0.07077	0.268066	3.97E-09	0.207778	5.97E-06	0.28158329	5.85E-10	0.231287	4.34E-07
0.09721	0.444475	4.93E-24	0.197971	1.64E-05	0.36223327	6.32E-16	0.436708	3.61E-23
0.29027	0.243595	9.79E-08	0.331509	1.93E-13	0.44553989	3.73E-24	0.641118	2.02E-55
2.40E-05	0.129437	0.00509	0.196495	1.90E-05	0.30808628	1.00E-11	0.404273	8.66E-20
0.93835	0.259792	1.22E-08	0.144087	0.0018	0.26289085	8.04E-09	0.534144	8.33E-36
0.14918	0.492301	7.05E-30	0.50193	3.60E-31	0.41954578	2.46E-21	0.594087	6.87E-46
0.01274	0.417066	4.45E-21	0.552594	1.08E-38	0.38562581	5.25E-18	0.531116	2.39E-35
0.74168	0.360583	8.73E-16	0.453047	5.15E-25	0.37841177	2.40E-17	0.455137	2.94E-25
9.88E-05	0.497549	1.41E-30	0.63425	6.33E-54	0.30633258	1.33E-11	0.339533	4.59E-14
0.01935	0.070418	0.12862	0.126161	0.00633	0.08541944	0.06513	0.261821	9.28E-09
0.15564	0.377758	2.75E-17	0.312852	4.61E-12	0.2368297	2.24E-07	0.46224	4.25E-26
0.97192	0.282071	5.44E-10	0.131242	0.0045	-0.000519	0.99108	0.102997	0.02603
0.94948	0.497347	1.50E-30	0.15564	0.00074	0.12028648	0.00927	0.374982	4.87E-17
0.89214	0.263331	7.57E-09	0.30394	1.95E-11	0.16050627	0.0005	0.357807	1.50E-15
0.00339	0.546112	1.17E-37	0.515601	4.45E-33	0.19366448	2.51E-05	0.357262	1.66E-15
0.00127	0.087515	0.05879	0.111823	0.01562	0.28243864	5.16E-10	0.453261	4.86E-25

0.23252	0.339477	4.64E-14	0.281937	5.55E-10	0.33913229	4.94E-14	0.62073	4.33E-51
0.28736	-0.18604	5.23E-05	-0.28661	2.79E-10	-0.1097389	0.01768	-0.25374	2.70E-08
3.16E-05	0.358963	1.20E-15	0.285938	3.08E-10	0.28301648	4.74E-10	0.366998	2.46E-16
0.10505	0.467023	1.13E-26	0.363353	5.07E-16	0.42952476	2.18E-22	0.546694	9.45E-38
0.86632	0.215897	2.49E-06	0.165985	0.00032	0.13107691	0.00455	0.340837	3.63E-14
0.5216	0.363194	5.23E-16	0.133394	0.00388	0.05569712	0.22962	0.28395	4.14E-10
1.55E-06	-0.25749	1.65E-08	-0.17018	0.00022	-0.2065333	6.80E-06	-0.35269	3.99E-15
0.31517	0.268347	3.82E-09	0.137165	0.00298	-0.055294	0.23302	0.14563	0.0016
0.49902	-0.02829	0.54201	-0.09976	0.03112	-0.0137212	0.76743	-0.35405	3.08E-15
0.93227	0.476799	6.99E-28	0.441187	1.15E-23	0.4706046	4.11E-27	0.637382	1.33E-54
0.1384	0.394794	7.21E-19	0.325994	5.04E-13	0.32066616	1.25E-12	0.505389	1.21E-31
0.43813	0.275408	1.42E-09	0.170369	0.00022	0.00098955	0.98298	0.187187	4.69E-05
9.33E-05	0.355951	2.14E-15	0.562666	2.39E-40	0.49190498	7.95E-30	0.537599	2.47E-36
0.90273	0.399679	2.44E-19	0.446753	2.72E-24	0.14380782	0.00184	0.224774	9.23E-07
0.59965	0.292153	1.21E-10	0.214174	3.01E-06	0.39900842	2.83E-19	0.637577	1.21E-54
0.77091	0.585765	2.31E-44	0.565093	9.37E-41	0.29290853	1.08E-10	0.455028	3.03E-25
0.37846	0.213979	3.07E-06	0.210512	4.46E-06	0.17800392	0.00011	0.359031	1.18E-15
0.42371	0.456766	1.89E-25	0.389235	2.42E-18	0.08268888	0.07423	0.317366	2.18E-12
0.54977	0.343935	2.06E-14	0.273443	1.88E-09	0.10479833	0.02352	0.371259	1.04E-16
0.0018	0.27981	7.56E-10	0.302619	2.40E-11	0.3822232	1.08E-17	0.551223	1.79E-38
0.00545	0.273615	1.83E-09	0.353287	3.57E-15	0.56538341	8.37E-41	0.771464	2.37E-93
0.19531	0.383692	7.91E-18	0.439051	1.99E-23	0.41266309	1.25E-20	0.568305	2.68E-41
0.60029	0.256512	1.88E-08	0.341346	3.30E-14	0.10759423	0.02004	0.14965	0.00118
0.41614	0.395252	6.52E-19	0.287311	2.51E-10	0.32505641	5.92E-13	0.386158	4.68E-18
0.00182	0.223184	1.11E-06	0.19414	2.40E-05	0.21714996	2.17E-06	0.314788	3.35E-12
0.05325	0.360941	8.14E-16	0.211051	4.21E-06	0.20854234	5.50E-06	0.438611	2.23E-23
0.03284	0.340385	3.94E-14	0.218881	1.79E-06	-0.0452864	0.3288	0.258721	1.40E-08
0.2734	0.30636	1.32E-11	0.091125	0.04906	0.11752373	0.01103	0.288592	2.08E-10
0.62656	0.398877	2.92E-19	0.263319	7.59E-09	0.2404015	1.45E-07	0.429768	2.05E-22
0.012	0.142761	0.00198	0.32475	6.24E-13	0.42308522	1.05E-21	0.503807	1.99E-31
0.07137	0.472249	2.58E-27	0.547759	6.41E-38	0.39249492	1.19E-18	0.563104	2.02E-40
0.20584	-0.25935	1.29E-08	-0.22989	5.11E-07	-0.3096706	7.75E-12	-0.46967	5.35E-27
0.06913	0.174521	0.00015	0.252727	3.08E-08	0.53760157	2.47E-36	0.649904	2.17E-57
0.03427	-0.29382	9.42E-11	-0.24945	4.69E-08	-0.1788797	0.0001	-0.34662	1.25E-14
0.84374	0.334747	1.09E-13	0.246952	6.43E-08	0.3026839	2.38E-11	0.60364	1.07E-47
0.03232	0.221851	1.29E-06	0.237924	1.96E-07	0.21595531	2.48E-06	0.430769	1.60E-22
0.1291	0.17781	0.00011	0.317478	2.14E-12	0.29850387	4.58E-11	0.362116	6.46E-16
0.92687	0.408808	3.07E-20	0.312681	4.74E-12	0.45560669	2.59E-25	0.596918	2.03E-46
0.17855	0.44778	2.08E-24	0.24853	5.27E-08	0.32928999	2.84E-13	0.533814	9.34E-36
0.07127	0.398	3.55E-19	0.467504	9.84E-27	0.31433758	3.61E-12	0.457964	1.37E-25
0.94044	0.152908	0.00092	0.255999	2.01E-08	0.28860568	2.07E-10	0.372991	7.32E-17
0.42921	-0.15061	0.0011	-0.08022	0.08333	-0.0669049	0.14886	-0.25495	2.31E-08
0.00619	0.221987	1.27E-06	0.039628	0.39288	0.12348504	0.00755	0.336608	7.79E-14
0.57823	0.316705	2.44E-12	0.148314	0.00131	0.07155515	0.12255	0.280363	6.98E-10
0.16854	0.361825	6.84E-16	0.290172	1.64E-10	0.3490619	7.93E-15	0.570641	1.07E-41



0.16912	0.144317	0.00177	0.063031	0.17389	-0.0285472	0.5383	0.122323	0.00814
0.07034	0.301853	2.71E-11	0.150249	0.00113	0.10516924	0.02303	0.304977	1.65E-11
0.36069	0.259953	1.19E-08	0.115167	0.01276	0.23023605	4.91E-07	0.52116	7.06E-34
0.01406	0.169318	0.00024	0.017282	0.70953	0.04786492	0.30198	0.162765	0.00041
0.95626	0.097989	0.03426	-0.01362	0.76917	-0.0472173	0.30858	0.134856	0.0035
0.35279	0.19459	2.29E-05	0.08583	0.06385	-0.0375118	0.41866	0.183906	6.40E-05
0.00015	0.559186	9.05E-40	0.381622	1.22E-17	0.24694959	6.43E-08	0.420001	2.21E-21
0.68911	0.052266	0.25965	0.130294	0.0048	-0.0206511	0.65623	0.087587	0.05858
0.43646	0.116283	0.01191	0.107645	0.01998	-0.0281059	0.5446	0.116073	0.01207
0.91096	0.385541	5.34E-18	0.473128	2.01E-27	0.40533298	6.81E-20	0.537508	2.55E-36
0.10927	0.249132	4.88E-08	0.18954	3.75E-05	0.02939775	0.52626	0.234994	2.80E-07
0.1496	0.083345	0.07196	0.183269	6.79E-05	0.09797427	0.03429	0.337992	6.07E-14
0.01057	0.314265	3.65E-12	0.250858	3.91E-08	-0.0442912	0.33956	0.127474	0.0058
0.00254	0.660124	9.16E-60	0.483011	1.14E-28	0.22392945	1.02E-06	0.375863	4.06E-17
0.14205	0.53803	2.12E-36	0.418463	3.19E-21	0.06298939	0.17417	0.212236	3.71E-06
0.37909	0.174721	0.00015	0.177147	0.00012	0.06024187	0.19376	0.194853	2.23E-05
0.27511	0.316086	2.70E-12	0.341832	3.02E-14	0.28124689	6.14E-10	0.493548	4.82E-30
0.04052	0.272277	2.21E-09	0.08475	0.06727	0.16488747	0.00035	0.446828	2.67E-24
0.04689	0.483209	1.07E-28	0.406902	4.76E-20	0.45231319	6.26E-25	0.51474	5.91E-33
0.40189	0.427144	3.91E-22	0.318209	1.90E-12	0.25430616	2.51E-08	0.369856	1.38E-16
0.35039	0.231561	4.20E-07	0.177592	0.00011	0.15936136	0.00055	0.357053	1.73E-15
0.27734	0.256917	1.78E-08	0.214676	2.85E-06	0.49270997	6.22E-30	0.629643	6.07E-53
0.00282	0.310057	7.28E-12	0.313492	4.15E-12	-0.0156672	0.7356	0.126381	0.00624
0.11296	0.235826	2.53E-07	0.390405	1.88E-18	0.43214558	1.14E-22	0.495666	2.52E-30
0.39655	0.102409	0.0269	-0.01136	0.80655	0.04445698	0.33775	0.345912	1.43E-14
0.37318	0.345903	1.43E-14	0.200066	1.32E-05	0.18192403	7.69E-05	0.310584	6.68E-12
0.72183	-0.11473	0.01311	-0.24623	7.05E-08	-0.1696008	0.00023	-0.34623	1.35E-14
0.15018	0.364263	4.23E-16	0.21715	2.17E-06	0.47280143	2.20E-27	0.686449	2.47E-66
1.11E-30	0.186148	5.18E-05	0.117618	0.01097	0.25548577	2.15E-08	0.369846	1.39E-16
0.00093	0.259994	1.19E-08	0.071257	0.12412	0.17583306	0.00013	0.384559	6.59E-18
0.74462	0.441679	1.02E-23	0.346592	1.26E-14	0.42944323	2.22E-22	0.66693	2.13E-61
0.63934	0.307063	1.18E-11	0.457099	1.73E-25	0.57535987	1.63E-42	0.786105	3.25E-99
0.15116	0.130685	0.00467	0.099963	0.03079	0.21459169	2.87E-06	0.510472	2.37E-32
0.27224	0.221734	1.30E-06	0.116633	0.01166	0.15051789	0.0011	0.36895	1.66E-16
0.94637	0.28011	7.24E-10	0.288157	2.22E-10	0.27032111	2.90E-09	0.483006	1.14E-28
0.02687	0.712543	1.43E-73	0.664718	7.31E-61	0.40412476	8.96E-20	0.493816	4.44E-30
0.06715	0.276988	1.13E-09	0.207204	6.34E-06	0.14831949	0.00131	0.356994	1.75E-15
0.25224	0.121643	0.0085	0.232899	3.59E-07	0.35130086	5.20E-15	0.513113	1.01E-32
0.02093	0.234688	2.90E-07	0.165048	0.00034	0.07608392	0.10056	0.259398	1.28E-08
0.9736	0.433038	9.09E-23	0.277095	1.12E-09	0.1304284	0.00476	0.265086	5.97E-09
3.90E-05	0.206939	6.52E-06	0.220489	1.50E-06	0.23593667	2.50E-07	0.415058	7.15E-21
0.00273	0.414035	9.09E-21	0.482549	1.31E-28	0.30859031	9.24E-12	0.369296	1.55E-16
0.46157	0.436581	3.73E-23	0.513852	7.90E-33	0.17536376	0.00014	0.329226	2.88E-13
0.34285	0.273037	1.99E-09	0.241929	1.20E-07	0.13829814	0.00274	0.273401	1.89E-09
0.09619	0.267333	4.39E-09	0.408492	3.30E-20	0.42202468	1.36E-21	0.533922	9.00E-36

0.47066	0.253365	2.83E-08	0.295052	7.80E-11	0.43499756	5.56E-23	0.577381	7.21E-43
0.09167	0.277107	1.12E-09	0.467043	1.12E-26	0.29683871	5.92E-11	0.360483	8.90E-16
0.00015	0.083484	0.07148	0.117639	0.01095	0.05909814	0.20238	0.312882	4.59E-12
0.00097	-0.02798	0.54637	0.057554	0.21444	0.03337796	0.47179	0.1585	0.00059
0.58052	0.422529	1.20E-21	0.265825	5.40E-09	0.33553997	9.43E-14	0.57492	1.94E-42
0.45987	0.467832	8.98E-27	0.299019	4.22E-11	0.2409147	1.36E-07	0.54058	8.58E-37
0.56444	0.198548	1.54E-05	0.438986	2.02E-23	0.26825897	3.86E-09	0.376285	3.72E-17
0.02994	0.378771	2.22E-17	0.358091	1.42E-15	0.27534724	1.43E-09	0.416319	5.31E-21
0.96532	0.267554	4.26E-09	0.213795	3.14E-06	0.37016858	1.30E-16	0.657272	4.30E-59
0.40734	0.248953	4.99E-08	0.220925	1.43E-06	0.24772905	5.83E-08	0.451668	7.44E-25
0.55778	0.295575	7.20E-11	0.163954	0.00037	0.13549732	0.00335	0.317199	2.24E-12
0.34104	0.259929	1.20E-08	0.178837	0.0001	0.42147457	1.55E-21	0.61488	6.63E-50
0.61276	0.347603	1.04E-14	0.171887	0.00019	0.01927917	0.67774	0.318968	1.67E-12
0.47651	0.205489	7.58E-06	0.156072	0.00071	0.255874	2.04E-08	0.515282	4.95E-33
6.75E-09	0.308665	9.13E-12	0.196436	1.91E-05	0.25683485	1.80E-08	0.447665	2.14E-24
0.00978	0.345424	1.56E-14	0.242965	1.06E-07	0.36672282	2.59E-16	0.590558	3.09E-45
0.00043	0.507343	6.47E-32	0.652571	5.32E-58	0.29786953	5.05E-11	0.383448	8.33E-18
0.04055	0.433172	8.79E-23	0.212528	3.60E-06	0.26689556	4.66E-09	0.523139	3.63E-34
0.05654	0.510671	2.22E-32	0.277354	1.08E-09	0.08800511	0.05738	0.337133	7.09E-14
0.08707	0.486868	3.62E-29	0.434234	6.74E-23	0.18262185	7.21E-05	0.371542	9.83E-17
0.07672	0.422934	1.09E-21	0.359466	1.09E-15	0.19171924	3.04E-05	0.359824	1.01E-15
0.8981	0.436599	3.71E-23	0.43901	2.01E-23	0.31707458	2.29E-12	0.502556	2.95E-31
0.00041	0.093733	0.04291	0.060841	0.18936	0.06397335	0.16753	0.193147	2.64E-05
0.5529	0.326486	4.63E-13	0.282158	5.38E-10	0.4635718	2.94E-26	0.712649	1.33E-73
0.01143	0.582999	7.27E-44	0.445245	4.03E-24	0.43086715	1.56E-22	0.576151	1.18E-42
0.16536	0.273432	1.88E-09	0.302586	2.41E-11	0.2692411	3.37E-09	0.499972	6.63E-31
0.05521	0.513677	8.37E-33	0.491057	1.03E-29	0.47897755	3.71E-28	0.621336	3.26E-51
0.9502	0.220797	1.45E-06	0.105681	0.02237	0.18781096	4.42E-05	0.463551	2.96E-26
0.00344	0.509363	3.39E-32	0.441125	1.17E-23	0.1023568	0.02698	0.305315	1.56E-11
0.92953	0.309813	7.58E-12	0.125511	0.00661	0.02901328	0.53169	0.206469	6.85E-06
0.59391	0.060657	0.19071	0.262946	7.98E-09	0.20884921	5.33E-06	0.27211	2.26E-09
0.02527	0.195978	2.00E-05	0.388146	3.06E-18	0.21380862	3.13E-06	0.248293	5.43E-08
0.17341	0.15597	0.00072	0.367839	2.08E-16	0.36252139	5.97E-16	0.419528	2.48E-21
0.05242	0.648727	4.02E-57	0.701194	2.51E-70	0.438024	2.59E-23	0.569717	1.54E-41
0.142	0.407801	3.87E-20	0.449887	1.19E-24	0.52810707	6.72E-35	0.668904	7.02E-62
0.58165	0.204978	8.00E-06	0.470701	4.00E-27	0.28493906	3.57E-10	0.283389	4.49E-10
0.94153	0.616121	3.73E-50	0.379035	2.11E-17	0.26648445	4.93E-09	0.485733	5.08E-29
0.30092	0.486011	4.68E-29	0.288105	2.23E-10	0.21029378	4.57E-06	0.488197	2.43E-29
0.69151	0.666771	2.33E-61	0.576887	8.80E-43	0.28423299	3.97E-10	0.440146	1.50E-23
0.53856	0.118247	0.01054	0.12437	0.00713	0.12646668	0.00621	0.283485	4.43E-10
0.23757	0.431085	1.48E-22	0.277133	1.11E-09	0.21657499	2.31E-06	0.274517	1.61E-09
0.17169	0.050649	0.2747	0.152264	0.00096	0.13745268	0.00292	0.34023	4.05E-14
0.01373	0.133808	0.00377	0.353276	3.57E-15	0.11880956	0.01018	0.179666	9.46E-05
0.25917	-0.16616	0.00031	-0.12365	0.00747	-0.224531	9.49E-07	-0.45362	4.42E-25
0.56352	0.243432	9.99E-08	0.325253	5.73E-13	0.5754048	1.60E-42	0.800813	#####

0.00205	0.046812	0.31276	0.235261	2.71E-07	0.33960247	4.54E-14	0.423557	9.39E-22
8.77E-05	0.238518	1.83E-07	0.119073	0.01001	-0.1058374	0.02217	0.144717	0.00172
2.23E-08	0.379618	1.86E-17	0.248314	5.42E-08	-0.0306878	0.50826	0.19023	3.51E-05
0.1114	0.117953	0.01074	0.103022	0.026	0.1791391	9.93E-05	0.426592	4.48E-22
0.92185	-0.24155	1.26E-07	-0.22345	1.07E-06	-0.2189242	1.78E-06	-0.3471	1.14E-14
0.55756	0.288549	2.09E-10	0.230369	4.83E-07	0.24658251	6.74E-08	0.324432	6.60E-13
0.93172	0.538289	1.94E-36	0.460444	6.96E-26	0.43420495	6.79E-23	0.604986	5.88E-48
0.22709	0.488014	2.57E-29	0.434311	6.61E-23	0.18220084	7.49E-05	0.363389	5.03E-16
0.00334	0.172509	0.00018	0.178274	0.00011	0.18643281	5.04E-05	0.329042	2.97E-13
0.97165	0.304087	1.90E-11	0.418449	3.20E-21	0.37566064	4.24E-17	0.53375	9.55E-36
0.82999	0.358178	1.39E-15	0.385259	5.67E-18	0.42684488	4.21E-22	0.489427	1.68E-29
0.65678	0.377534	2.88E-17	0.308399	9.53E-12	0.38872544	2.70E-18	0.649227	3.09E-57
0.83789	0.524983	1.95E-34	0.562289	2.76E-40	0.45270402	5.64E-25	0.643103	7.36E-56
0.59641	0.62017	5.64E-51	0.554297	5.71E-39	0.34116281	3.42E-14	0.536117	4.17E-36
0.07907	0.370887	1.12E-16	0.260905	1.05E-08	0.33815964	5.89E-14	0.570893	9.66E-42
0.00567	0.465029	1.96E-26	0.088756	0.05528	0.10504597	0.02319	0.292288	1.19E-10
5.07E-07	0.371963	9.03E-17	0.325948	5.08E-13	0.31372748	3.99E-12	0.577538	6.77E-43
0.02677	0.121817	0.00841	0.087063	0.06011	0.14390526	0.00182	0.420197	2.11E-21
0.57209	0.263483	7.42E-09	0.110863	0.01654	0.17257107	0.00018	0.367735	2.12E-16
0.00117	0.477462	5.77E-28	0.490894	1.08E-29	0.20359447	9.23E-06	0.26997	3.05E-09
0.22665	0.260995	1.04E-08	0.198175	1.60E-05	0.3307797	2.19E-13	0.585158	2.98E-44
0.35661	0.231196	4.39E-07	0.179144	9.92E-05	0.23074278	4.63E-07	0.34475	1.77E-14
0.2931	0.374423	5.46E-17	0.310357	6.93E-12	0.18283731	7.06E-05	0.371909	9.13E-17
0.37358	0.409328	2.72E-20	0.60745	1.95E-48	0.41507586	7.12E-21	0.461976	4.57E-26
0.167	0.459702	8.53E-26	0.232627	3.70E-07	0.22339548	1.08E-06	0.402064	1.43E-19
0.05043	0.249074	4.92E-08	0.176038	0.00013	0.21825478	1.92E-06	0.424994	6.62E-22
0.89224	-0.14837	0.0013	-0.03177	0.49337	-0.0193782	0.67618	-0.35149	5.02E-15
0.27168	0.465229	1.86E-26	0.479332	3.35E-28	0.18731235	4.64E-05	0.320196	1.36E-12
8.49E-06	-0.42334	9.88E-22	-0.40037	2.09E-19	-0.1609399	0.00048	-0.33609	8.54E-14
0.50971	0.293917	9.28E-11	0.023508	0.61235	-0.0361015	0.43638	0.189291	3.84E-05
0.13026	0.171789	0.00019	0.309231	8.33E-12	0.11528308	0.01267	0.145359	0.00164
0.06088	0.33847	5.57E-14	0.456089	2.27E-25	0.35078067	5.74E-15	0.420724	1.86E-21
0.38743	0.193825	2.47E-05	0.199499	1.40E-05	0.34121707	3.38E-14	0.534861	6.48E-36
0.24016	0.21019	4.62E-06	0.109861	0.01755	-0.0526505	0.25616	0.109206	0.01824
0.2834	0.071045	0.12525	0.142695	0.00199	0.1764854	0.00013	0.396294	5.18E-19
0.64001	0.003778	0.93511	0.049241	0.28828	-0.0704144	0.12864	0.129845	0.00495
0.53126	0.149918	0.00116	0.232784	3.64E-07	0.37490071	4.95E-17	0.571858	6.59E-42
0.08066	0.464276	2.42E-26	0.545926	1.25E-37	0.154644	0.0008	0.18736	4.62E-05
0.04705	0.186106	5.20E-05	0.177738	0.00011	0.17215664	0.00019	0.273149	1.96E-09
0.0283	0.205047	7.94E-06	0.188935	3.97E-05	0.27900301	8.49E-10	0.480976	2.07E-28
0.00216	0.291648	1.31E-10	0.389707	2.19E-18	0.32952776	2.73E-13	0.446995	2.55E-24
0.93296	0.416904	4.62E-21	0.289574	1.79E-10	0.31693302	2.35E-12	0.368371	1.87E-16
0.2458	0.290277	1.61E-10	0.066851	0.14919	0.19789177	1.65E-05	0.494223	3.92E-30
0.0401	0.263712	7.19E-09	0.355063	2.54E-15	0.33931561	4.78E-14	0.559861	7.00E-40
0.81607	0.273549	1.85E-09	0.382694	9.77E-18	0.45477823	3.24E-25	0.578689	4.24E-43

0.0903	0.24268	1.10E-07	0.25086	3.91E-08	0.44883462	1.57E-24	0.693154	4.05E-68
0.99405	0.264517	6.45E-09	0.299821	3.73E-11	0.4029346	1.17E-19	0.636866	1.72E-54
0.96007	0.359717	1.03E-15	0.362101	6.48E-16	0.55190835	1.39E-38	0.776944	1.71E-95
0.93824	0.121632	0.00851	0.377961	2.63E-17	0.45356979	4.48E-25	0.650566	1.53E-57
0.18029	0.545473	1.47E-37	0.474655	1.30E-27	0.30631118	1.33E-11	0.439699	1.69E-23
0.04051	0.094148	0.04199	0.275861	1.33E-09	0.42963923	2.12E-22	0.584075	4.66E-44
0.99621	0.414128	8.90E-21	0.338059	6.00E-14	0.42006865	2.17E-21	0.483299	1.05E-28
0.00033	0.45169	7.39E-25	0.548942	4.15E-38	0.25526573	2.21E-08	0.354434	2.86E-15
0.0952	0.545477	1.47E-37	0.383703	7.90E-18	0.28531982	3.38E-10	0.435618	4.76E-23
0.02836	0.234266	3.05E-07	0.230959	4.51E-07	0.18169139	7.86E-05	0.280646	6.70E-10
0.41307	0.034985	0.45071	0.1983	1.58E-05	0.24967755	4.55E-08	0.445368	3.91E-24
0.37849	0.507909	5.40E-32	0.486914	3.57E-29	0.20334757	9.47E-06	0.382967	9.23E-18
0.92864	0.555897	3.14E-39	0.473944	1.59E-27	0.15483605	0.00079	0.283643	4.33E-10
0.16426	0.123275	0.00765	0.13113	0.00453	0.26367142	7.23E-09	0.506752	7.82E-32
0.14532	0.103548	0.02524	0.210623	4.41E-06	0.41461776	7.93E-21	0.530544	2.91E-35
0.24449	0.337487	6.65E-14	0.444364	5.07E-24	0.45239885	6.12E-25	0.590816	2.77E-45
0.4665	0.288185	2.21E-10	0.141256	0.00222	0.1626161	0.00042	0.414275	8.60E-21
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0.71817	0.255244	2.22E-08	0.189094	3.91E-05	0.33120973	2.03E-13	0.578394	4.79E-43
0.00816	0.189091	3.91E-05	0.111769	0.01567	0.25203285	3.37E-08	0.548689	4.56E-38
0.27089	0.323001	8.43E-13	0.209015	5.23E-06	0.33992674	4.28E-14	0.513247	9.62E-33
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0.2259	0.260654	1.09E-08	0.213287	3.31E-06	0.32850595	3.26E-13	0.532007	1.75E-35
0.58391	0.316938	2.34E-12	0.253357	2.84E-08	0.39998296	2.28E-19	0.661707	3.85E-60
0.77162	0.622062	2.31E-51	0.593892	7.47E-46	0.46860952	7.22E-27	0.549895	2.93E-38
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0.82559	0.327841	3.66E-13	0.312597	4.81E-12	0.30833201	9.63E-12	0.573324	3.68E-42
0.78321	0.20535	7.69E-06	0.252412	3.21E-08	0.29857808	4.52E-11	0.510258	2.54E-32
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1.09E-08	0.300845	3.17E-11	0.236536	2.32E-07	0.39471789	7.33E-19	0.577419	7.10E-43
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5.38E-05	0.50522	1.27E-31	0.248862	5.05E-08	0.30235106	2.50E-11	0.526231	1.27E-34
1.18E-06	0.238591	1.81E-07	0.269957	3.05E-09	0.42961891	2.13E-22	0.66516	5.72E-61
1.38E-08	-0.50536	1.22E-31	-0.38958	2.24E-18	-0.1347763	0.00352	-0.2933	1.02E-10
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0.00238	0.553364	8.10E-39	0.531953	1.79E-35	0.39008599	2.01E-18	0.558246	1.29E-39

0.89725	0.428212	3.01E-22	0.183746	6.49E-05	0.27482524	1.54E-09	0.57045	1.15E-41
0.00031	0.212321	3.68E-06	0.220251	1.54E-06	0.44596802	3.34E-24	0.610015	6.13E-49
0.19019	-0.22381	1.03E-06	-0.288	2.27E-10	-0.1619575	0.00044	-0.29577	6.99E-11
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0.91846	0.335022	1.03E-13	0.278898	8.62E-10	0.27378377	1.79E-09	0.48206	1.51E-28
9.90E-05	-0.1752	0.00014	-0.00701	0.87987	-0.01493	0.74761	-0.24256	1.11E-07
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0.01129	0.420573	1.93E-21	0.414958	7.32E-21	0.22366235	1.05E-06	0.424027	8.37E-22
0.76592	0.302798	2.33E-11	0.370504	1.21E-16	0.41547525	6.48E-21	0.631814	2.10E-53
0.71259	0.161433	0.00046	0.34047	3.88E-14	0.2394061	1.64E-07	0.333548	1.34E-13
0.02839	0.356454	1.94E-15	0.404681	7.90E-20	0.4222544	1.29E-21	0.528249	6.40E-35
0.72339	0.344888	1.72E-14	0.241674	1.24E-07	0.40232893	1.35E-19	0.596147	2.83E-46
0.0495	0.204367	8.52E-06	0.211098	4.19E-06	0.43671663	3.60E-23	0.551786	1.46E-38
0.05805	0.556434	2.56E-39	0.553947	6.51E-39	0.27716995	1.11E-09	0.420173	2.12E-21
0.78352	0.416616	4.95E-21	0.353357	3.52E-15	0.31874094	1.73E-12	0.512046	1.42E-32
0.12257	0.236718	2.27E-07	0.07329	0.11372	0.19032472	3.48E-05	0.532355	1.55E-35
0.73007	0.211691	3.93E-06	0.139182	0.00258	0.02141586	0.64436	0.249788	4.49E-08
0.15287	0.142879	0.00197	0.356081	2.09E-15	0.48535785	5.68E-29	0.621872	2.53E-51
0.59259	-0.07406	0.10998	0.0987	0.03297	0.2061612	7.07E-06	0.221245	1.38E-06
0.44437	0.290606	1.53E-10	0.129478	0.00507	-0.0171034	0.71239	0.175352	0.00014
0.09713	0.26238	8.61E-09	0.202802	1.00E-05	0.18447542	6.06E-05	0.374021	5.93E-17
4.59E-07	-0.17103	0.0002	-0.21122	4.14E-06	-0.0166417	0.71983	-0.19439	2.34E-05
0.52036	0.176492	0.00013	0.397141	4.29E-19	0.47862769	4.11E-28	0.657044	4.87E-59
0.31131	0.174752	0.00015	0.117068	0.01135	0.19215498	2.91E-05	0.43483	5.80E-23
0.47909	0.039756	0.39135	0.250734	3.98E-08	0.22182631	1.29E-06	-0.0768	0.09737
6.64E-06	0.298519	4.56E-11	0.097683	0.03483	0.15931662	0.00055	0.272195	2.24E-09
0.90238	0.33823	5.82E-14	0.205719	7.40E-06	0.28875531	2.03E-10	0.494573	3.52E-30
0.03471	0.333537	1.35E-13	0.342802	2.53E-14	0.56197137	3.12E-40	0.748312	6.35E-85
0.1753	0.255909	2.03E-08	0.179538	9.57E-05	0.14018395	0.0024	0.409511	2.61E-20
1.52E-06	0.311268	5.98E-12	0.355542	2.32E-15	0.07507876	0.10515	0.151901	0.00099
0.61139	0.443026	7.17E-24	0.491556	8.84E-30	0.29910655	4.17E-11	0.449918	1.18E-24
0.03106	0.238146	1.91E-07	-0.02003	0.66598	-0.1323259	0.00418	0.097342	0.03547
0.69854	0.121503	0.00858	0.257148	1.73E-08	0.38092574	1.42E-17	0.607055	2.33E-48
0.00732	0.51782	2.14E-33	0.238631	1.80E-07	0.01127341	0.80802	0.226075	7.95E-07
0.02647	0.600301	4.65E-47	0.550885	2.03E-38	0.19270269	2.76E-05	0.242621	1.10E-07
0.14644	0.549434	3.47E-38	0.417929	3.62E-21	0.16857673	0.00025	0.303613	2.05E-11
0.94847	0.477811	5.21E-28	0.254878	2.33E-08	0.19426582	2.37E-05	0.399107	2.77E-19
9.89E-05	0.160797	0.00049	0.26749	4.30E-09	0.15864514	0.00058	0.36566	3.21E-16
0.24807	0.358955	1.20E-15	0.694039	2.33E-68	0.40342149	1.05E-19	0.413188	1.11E-20
0.54301	0.304033	1.92E-11	0.255055	2.27E-08	0.27485878	1.54E-09	0.362981	5.45E-16
0.06584	0.110117	0.01729	0.232112	3.94E-07	0.23814985	1.91E-07	0.41889	2.88E-21
7.54E-07	0.112748	0.01478	0.130864	0.00462	0.17100835	0.0002	0.287876	2.31E-10
0.66131	-0.15406	0.00084	0.011671	0.80139	0.24207442	1.18E-07	-0.06626	0.15284
0.81938	-0.18036	8.88E-05	-0.23046	4.78E-07	-0.1888003	4.02E-05	-0.32866	3.17E-13

0.22653	0.133781	0.00378	0.206986	6.48E-06	0.26291421	8.01E-09	0.290149	1.64E-10
7.11E-09	0.28304	4.73E-10	0.311043	6.20E-12	0.32580874	5.20E-13	0.457154	1.71E-25
0.02819	0.339117	4.95E-14	0.375923	4.01E-17	0.33883073	5.22E-14	0.439358	1.84E-23
0.00033	0.285537	3.27E-10	0.245911	7.33E-08	0.36165576	7.07E-16	0.529262	4.52E-35
0.82386	0.277292	1.09E-09	0.178698	0.0001	0.15730137	0.00065	0.300633	3.28E-11
0.90921	0.241418	1.28E-07	0.194061	2.41E-05	0.41159923	1.61E-20	0.557124	1.98E-39
3.06E-07	0.242066	1.18E-07	0.145516	0.00162	0.19454113	2.30E-05	0.30228	2.53E-11
0.25535	0.41273	1.23E-20	0.569098	1.96E-41	0.35520089	2.47E-15	0.548308	5.24E-38
0.01738	0.33471	1.09E-13	0.166079	0.00031	0.16416378	0.00037	0.348391	8.99E-15
0.09173	0.298723	4.42E-11	0.197019	1.80E-05	0.38583384	5.02E-18	0.641593	1.59E-55
0.04812	0.266438	4.96E-09	0.192985	2.68E-05	-0.021148	0.64851	0.140682	0.00231
0.21244	0.491238	9.73E-30	0.29415	8.96E-11	0.41243221	1.32E-20	0.601979	2.23E-47
0.08244	0.325707	5.30E-13	0.349013	8.00E-15	0.4766009	7.40E-28	0.708036	2.89E-72
0.62636	0.239313	1.66E-07	0.536447	3.71E-36	0.25479231	2.35E-08	0.260287	1.14E-08
0.0567	0.622328	2.04E-51	0.340778	3.66E-14	0.08869048	0.05546	0.327114	4.15E-13
0.40373	0.430267	1.81E-22	0.361814	6.86E-16	0.15353822	0.00087	0.317586	2.10E-12
0.74317	0.41771	3.82E-21	0.191688	3.05E-05	0.16033323	0.00051	0.43352	8.06E-23
0.02877	0.536736	3.35E-36	0.682898	2.09E-65	0.15841427	0.00059	0.141251	0.00222
0.02108	0.17263	0.00018	0.413591	1.01E-20	0.35804746	1.43E-15	0.367956	2.03E-16
0.23203	0.414152	8.85E-21	0.279839	7.53E-10	0.08778104	0.05802	0.321984	1.00E-12
1.42E-06	0.528597	5.68E-35	0.516778	3.02E-33	0.10065148	0.02965	0.213497	3.24E-06
0.00494	0.671773	1.38E-62	0.405108	7.16E-20	0.1882757	4.23E-05	0.344052	2.01E-14
0.09486	0.212432	3.63E-06	0.234381	3.01E-07	0.36387635	4.57E-16	0.58018	2.31E-43
0.09902	0.495818	2.40E-30	0.499011	8.95E-31	0.3755861	4.30E-17	0.467502	9.85E-27
0.08464	0.242676	1.10E-07	0.224837	9.17E-07	0.33549866	9.50E-14	0.430767	1.60E-22
0.1718	0.401036	1.80E-19	0.242355	1.14E-07	0.14299827	0.00195	0.28307	4.70E-10
0.29652	0.270901	2.68E-09	0.195515	2.09E-05	0.04853222	0.29529	0.240633	1.41E-07
0.38768	0.429312	2.30E-22	0.298507	4.57E-11	0.24449193	8.76E-08	0.460519	6.82E-26
0.18129	0.238842	1.76E-07	0.31411	3.75E-12	0.113713	0.01394	0.181263	8.17E-05
0.1311	0.335397	9.67E-14	0.023082	0.61881	-0.0972317	0.03568	0.15537	0.00075
0.21261	0.313358	4.24E-12	0.207582	6.09E-06	0.34971828	7.01E-15	0.59953	6.52E-47
0.17518	0.275902	1.32E-09	0.227464	6.78E-07	0.29464496	8.30E-11	0.446686	2.77E-24
0.09134	0.191363	3.14E-05	0.278565	9.05E-10	0.42666067	4.41E-22	0.66383	1.20E-60
0.28063	0.295963	6.78E-11	0.08613	0.06292	-0.2181224	1.95E-06	0.048469	0.29592
0.01999	0.517937	2.06E-33	0.357296	1.65E-15	0.14923894	0.00122	0.294847	8.05E-11
0.3316	0.186303	5.10E-05	0.352541	4.11E-15	0.45907103	1.01E-25	0.580191	2.30E-43
0.03959	0.39954	2.52E-19	0.237551	2.05E-07	0.30631796	1.33E-11	0.53426	7.99E-36
0.00049	-0.26235	8.65E-09	-0.28461	3.75E-10	0.12736176	0.00585	-0.06145	0.18499
0.1115	0.541273	6.69E-37	0.375739	4.17E-17	0.26046782	1.11E-08	0.532725	1.37E-35
0.36225	0.280811	6.54E-10	0.326392	4.71E-13	0.37939341	1.95E-17	0.616497	3.14E-50
2.70E-05	0.602556	1.73E-47	0.503045	2.53E-31	0.26485606	6.16E-09	0.478972	3.72E-28
0.00014	0.356724	1.85E-15	0.242779	1.08E-07	0.15401716	0.00084	0.367855	2.07E-16
0.12108	-0.08436	0.06853	-0.22965	5.26E-07	-0.1147297	0.01311	-0.24985	4.45E-08
0.94081	0.477421	5.84E-28	0.411916	1.49E-20	0.23263796	3.70E-07	0.375559	4.32E-17
0.22904	0.303556	2.07E-11	0.365328	3.43E-16	0.49677856	1.79E-30	0.701714	1.80E-70

0.56445	0.139563	0.00251	0.085565	0.06467	0.16457053	0.00036	0.428771	2.62E-22
0.00116	0.393684	9.20E-19	0.342862	2.50E-14	0.41951235	2.48E-21	0.537549	2.52E-36
0.19659	0.516478	3.34E-33	0.411734	1.56E-20	0.37382188	6.18E-17	0.516746	3.06E-33
2.40E-05	0.172374	0.00018	0.240521	1.43E-07	0.42920631	2.36E-22	0.625331	4.87E-52
0.96649	0.41999	2.22E-21	0.448736	1.62E-24	0.39109281	1.62E-18	0.372997	7.31E-17
0.87874	0.276889	1.15E-09	0.254319	2.50E-08	0.3524829	4.15E-15	0.569925	1.42E-41
0.0597	0.262058	8.99E-09	0.389129	2.48E-18	0.28793961	2.29E-10	0.310631	6.63E-12
0.22293	0.139839	0.00246	0.233187	3.47E-07	0.44611901	3.21E-24	0.595819	3.26E-46
0.93247	0.399501	2.54E-19	0.270314	2.91E-09	0.37287175	7.50E-17	0.642946	7.97E-56
6.79E-08	0.034096	0.4623	0.16381	0.00038	0.31852462	1.80E-12	0.445875	3.42E-24
0.12941	0.080139	0.08364	0.167474	0.00028	0.22451334	9.51E-07	0.379286	2.00E-17
0.39692	0.415154	6.99E-21	0.324477	6.55E-13	0.15600635	0.00072	0.333452	1.37E-13
0.63337	0.155212	0.00076	0.36575	3.15E-16	0.51496464	5.49E-33	0.605014	5.80E-48
0.28358	-0.24549	7.73E-08	0.024371	0.59936	0.10219117	0.02723	-0.15764	0.00063
0.03015	0.455746	2.49E-25	0.458005	1.35E-25	0.17187969	0.00019	0.249221	4.83E-08
0.09224	0.047702	0.30363	0.09549	0.03914	0.08314163	0.07265	0.292931	1.08E-10
0.83307	0.430412	1.75E-22	0.098572	0.0332	-0.0486153	0.29446	0.180376	8.87E-05
7.99E-07	0.295597	7.17E-11	0.067758	0.14374	0.12639642	0.00624	0.342257	2.80E-14
0.01214	0.548646	4.63E-38	0.472411	2.46E-27	0.35324674	3.59E-15	0.466081	1.47E-26
7.38E-06	0.260736	1.07E-08	0.168895	0.00025	0.12173536	0.00845	0.409227	2.79E-20
0.2397	0.153964	0.00084	0.312667	4.75E-12	0.26508072	5.97E-09	0.323369	7.91E-13
0.38371	0.337808	6.28E-14	0.246987	6.40E-08	0.38939842	2.34E-18	0.557234	1.90E-39
0.44441	0.438844	2.10E-23	0.326423	4.68E-13	0.24174093	1.23E-07	0.473951	1.59E-27
0.01741	0.625287	4.97E-52	0.5452	1.63E-37	0.23819761	1.90E-07	0.38702	3.90E-18
0.34183	0.321533	1.08E-12	0.422979	1.08E-21	0.47010841	4.73E-27	0.637951	1.00E-54
0.6463	-0.16073	0.00049	-0.41372	9.80E-21	0.02284663	0.62239	-0.0338	0.4662
0.11765	-0.21796	1.99E-06	-0.52479	2.08E-34	-0.1334627	0.00386	-0.21286	3.47E-06
0.91741	-0.392	1.33E-18	-0.22733	6.88E-07	-0.07153	0.12268	-0.33919	4.89E-14
0.20571	0.604607	6.96E-48	0.368041	1.99E-16	0.27393636	1.75E-09	0.509145	3.63E-32
0.17183	0.304883	1.68E-11	0.309218	8.34E-12	0.14945215	0.0012	0.346497	1.28E-14
0.71829	0.110171	0.01723	0.069509	0.13364	0.16644724	0.0003	0.381996	1.13E-17
0.00178	0.223619	1.05E-06	0.197195	1.77E-05	0.17447716	0.00015	0.382764	9.63E-18
0.44503	0.3302	2.43E-13	0.402282	1.36E-19	0.43247276	1.05E-22	0.645787	1.85E-56
9.19E-14	0.114627	0.01319	0.163755	0.00038	0.20079052	1.23E-05	0.386789	4.09E-18
0.39963	0.470552	4.17E-27	0.362447	6.06E-16	0.25050919	4.09E-08	0.395056	6.80E-19
0.06109	0.39261	1.16E-18	0.175075	0.00014	0.18444572	6.08E-05	0.342739	2.56E-14
0.17059	0.404401	8.41E-20	0.373073	7.20E-17	0.31044923	6.83E-12	0.546267	1.10E-37
0.76372	0.38104	1.38E-17	0.166976	0.00029	0.35223324	4.36E-15	0.631502	2.45E-53
0.03752	0.329216	2.88E-13	0.268765	3.60E-09	0.19550263	2.09E-05	0.486358	4.22E-29
0.5279	0.392348	1.23E-18	0.23101	4.48E-07	0.14517163	0.00166	0.368526	1.81E-16
1.84E-10	0.195835	2.03E-05	0.183965	6.36E-05	0.20872779	5.40E-06	0.291933	1.26E-10
0.29369	0.622606	1.79E-51	0.416684	4.87E-21	0.05222254	0.26005	0.219565	1.66E-06
0.58861	0.51163	1.63E-32	0.434167	6.85E-23	0.15781525	0.00062	0.315146	3.16E-12
0.5391	0.157826	0.00062	0.304559	1.76E-11	0.52810949	6.71E-35	0.674038	3.76E-63
0.40573	0.262602	8.36E-09	0.079991	0.08421	0.17254597	0.00018	0.28299	4.76E-10

0.1731	0.221273	1.37E-06	0.301372	2.92E-11	0.30912449	8.47E-12	0.414566	8.03E-21
0.57439	0.468851	6.74E-27	0.323671	7.51E-13	0.49793252	1.25E-30	0.673132	6.33E-63
0.00039	-0.21279	3.50E-06	-0.13447	0.0036	-0.1080502	0.01951	-0.24587	7.38E-08
0.30658	0.363695	4.73E-16	0.372388	8.28E-17	0.15383078	0.00085	0.341266	3.35E-14
0.67956	0.226465	7.61E-07	0.175696	0.00014	0.22533594	8.66E-07	0.448192	1.87E-24
0.01568	0.332809	1.53E-13	0.239216	1.68E-07	0.17410167	0.00016	0.417481	4.03E-21
0.27918	0.481318	1.87E-28	0.414532	8.09E-21	0.24690655	6.47E-08	0.496053	2.24E-30
0.51007	0.187041	4.76E-05	0.447049	2.52E-24	0.44888048	1.56E-24	0.562195	2.87E-40
0.00785	0.505597	1.13E-31	0.507004	7.21E-32	0.31565818	2.90E-12	0.424255	7.92E-22
0.66752	0.398034	3.52E-19	0.260025	1.18E-08	0.42513753	6.39E-22	0.717979	3.49E-75
0.21504	0.449813	1.22E-24	0.402553	1.28E-19	0.40235008	1.34E-19	0.568815	2.19E-41
0.00195	0.06113	0.18726	-0.0128	0.78268	0.08251827	0.07483	0.348764	8.38E-15
0.01715	0.374725	5.13E-17	0.160058	0.00052	0.23066647	4.67E-07	0.489263	1.77E-29
0.28964	-0.0246	0.59586	0.195456	2.10E-05	0.2659703	5.29E-09	0.254399	2.48E-08
0.39858	0.238952	1.73E-07	0.223613	1.05E-06	0.50491205	1.40E-31	0.754544	4.23E-87
0.40923	0.403181	1.11E-19	0.190322	3.48E-05	0.13754006	0.0029	0.335814	8.98E-14
0.04696	0.317232	2.23E-12	0.333121	1.45E-13	0.42137292	1.59E-21	0.454857	3.17E-25
1.22E-05	0.509728	3.01E-32	0.663764	1.24E-60	0.29185065	1.27E-10	0.377262	3.04E-17
0.00356	0.54584	1.29E-37	0.486126	4.52E-29	0.242888	1.07E-07	0.466204	1.42E-26
0.59995	0.280701	6.65E-10	0.278608	8.99E-10	0.30043744	3.38E-11	0.403608	1.01E-19
0.29808	0.374313	5.59E-17	0.35893	1.20E-15	0.44727486	2.37E-24	0.62562	4.24E-52
0.63243	0.464636	2.19E-26	0.35086	5.65E-15	0.2703689	2.89E-09	0.41704	4.48E-21
0.29348	0.336638	7.75E-14	0.258501	1.45E-08	0.23712663	2.16E-07	0.480495	2.38E-28
0.28089	0.474499	1.35E-27	0.261203	1.01E-08	0.20057014	1.26E-05	0.397852	3.67E-19
0.99199	0.400631	1.97E-19	0.232948	3.57E-07	0.39885188	2.93E-19	0.645615	2.02E-56
8.77E-05	0.277561	1.04E-09	0.356105	2.08E-15	0.32885351	3.07E-13	0.397895	3.63E-19
0.01076	0.278318	9.37E-10	0.249533	4.64E-08	0.3637737	4.66E-16	0.426473	4.61E-22
2.59E-10	0.130955	0.00459	0.175109	0.00014	0.40240904	1.32E-19	0.595286	4.11E-46
0.0028	0.39038	1.89E-18	0.192755	2.74E-05	0.20708526	6.42E-06	0.480758	2.21E-28
0.00069	0.319221	1.60E-12	0.316747	2.42E-12	0.33434007	1.17E-13	0.546957	8.59E-38
0.74866	0.297943	4.99E-11	0.323584	7.63E-13	0.31568157	2.89E-12	0.405413	6.68E-20
0.04089	0.264622	6.36E-09	0.390758	1.74E-18	0.4658239	1.57E-26	0.654319	2.10E-58
0.42607	0.280646	6.70E-10	0.113943	0.01375	0.17903592	0.0001	0.386566	4.29E-18
0.817	0.135522	0.00334	0.184008	6.33E-05	0.19679387	1.84E-05	0.382429	1.03E-17
0.00185	0.073253	0.1139	0.068407	0.13993	-0.0844357	0.0683	0.127414	0.00583
0.04803	0.311909	5.38E-12	0.41672	4.83E-21	0.37263299	7.88E-17	0.516272	3.57E-33
0.56387	0.313558	4.11E-12	0.177357	0.00012	0.23936	1.65E-07	0.47694	6.71E-28
0.14088	0.348703	8.48E-15	0.337926	6.14E-14	0.36863993	1.77E-16	0.435022	5.53E-23
0.00925	0.313969	3.84E-12	0.157722	0.00062	-0.0037847	0.93499	0.202284	1.06E-05
0.22578	0.356126	2.07E-15	0.256048	2.00E-08	0.30681676	1.23E-11	0.539318	1.34E-36
0.14345	0.297784	5.12E-11	0.3354	9.67E-14	0.04681595	0.31271	0.266975	4.61E-09
0.06564	0.426192	4.94E-22	0.169354	0.00024	0.15694861	0.00066	0.401725	1.54E-19
0.10106	0.298044	4.91E-11	0.193988	2.43E-05	0.08570104	0.06425	0.322373	9.38E-13
0.74437	0.295035	7.82E-11	0.100006	0.03071	0.10432238	0.02416	0.356056	2.10E-15
0.8209	0.506145	9.48E-32	0.615548	4.87E-50	0.39060656	1.80E-18	0.500971	4.86E-31



0.78848	0.249028	4.95E-08	0.282469	5.14E-10	0.27791639	9.93E-10	0.536343	3.85E-36
0.00594	0.242581	1.11E-07	0.230985	4.50E-07	0.40016556	2.19E-19	0.620326	5.24E-51
0.5463	0.561001	4.53E-40	0.3861	4.74E-18	0.22064194	1.47E-06	0.348216	9.29E-15
1.66E-07	0.288241	2.19E-10	0.223215	1.10E-06	0.3153127	3.07E-12	0.516261	3.59E-33
0.53087	0.335129	1.01E-13	0.344925	1.71E-14	0.37006165	1.33E-16	0.488201	2.43E-29
0.47263	0.143387	0.00189	0.072463	0.11787	0.11846871	0.0104	0.291013	1.44E-10
0.68993	0.520846	7.84E-34	0.411109	1.80E-20	0.29671519	6.04E-11	0.486472	4.08E-29
0.00067	0.44066	1.32E-23	0.164796	0.00035	0.2413708	1.29E-07	0.503685	2.07E-31
0.82756	0.217791	2.02E-06	0.05103	0.2711	0.04742123	0.30649	0.261263	1.00E-08
0.53491	0.279158	8.31E-10	0.354214	2.99E-15	0.25400641	2.61E-08	0.417299	4.21E-21
0.02666	0.384665	6.44E-18	0.303912	1.96E-11	0.32645037	4.66E-13	0.451886	7.02E-25
0.73992	-0.0098	0.83265	0.029698	0.52205	0.08678064	0.06095	0.254308	2.51E-08
0.9257	0.358201	1.39E-15	0.317371	2.18E-12	0.44428847	5.17E-24	0.579442	3.12E-43
0.0454	0.226511	7.57E-07	0.265672	5.51E-09	0.28407011	4.06E-10	0.345709	1.48E-14
0.07204	0.376914	3.27E-17	0.178171	0.00011	0.20917622	5.15E-06	0.327117	4.15E-13
0.0112	-0.06067	0.19059	0.091427	0.04831	0.20085057	1.22E-05	-0.06608	0.15394
0.57254	-0.11646	0.01178	0.103915	0.02472	0.17165732	0.00019	-0.12172	0.00846
0.0648	0.643163	7.13E-56	0.394741	7.29E-19	0.20996201	4.73E-06	0.375531	4.35E-17
0.16441	0.215093	2.72E-06	0.031291	0.49996	0.08627035	0.06249	0.324895	6.09E-13
0.44764	0.58461	3.74E-44	0.667354	1.68E-61	0.34774986	1.01E-14	0.377127	3.13E-17
0.99293	0.244992	8.23E-08	0.469401	5.77E-27	0.43344659	8.21E-23	0.412131	1.42E-20
0.43336	0.378787	2.22E-17	0.183162	6.85E-05	-0.0604406	0.19229	0.170161	0.00022
0.75209	0.427049	4.01E-22	0.213497	3.24E-06	0.01904752	0.6814	0.138375	0.00273
1.96E-06	0.172293	0.00018	0.101871	0.02772	0.11353581	0.01409	0.274697	1.57E-09
0.1463	0.254351	2.49E-08	0.281196	6.18E-10	0.36430298	4.20E-16	0.566903	4.63E-41
0.83818	0.366745	2.58E-16	0.351144	5.35E-15	0.05640831	0.22372	0.127018	0.00598
4.33E-05	0.308109	9.98E-12	0.373872	6.12E-17	0.33406249	1.23E-13	0.434592	6.16E-23
0.09744	0.66362	1.34E-60	0.515344	4.85E-33	0.33707164	7.17E-14	0.520307	9.38E-34
0.28092	0.389956	2.07E-18	0.451577	7.62E-25	0.29691664	5.85E-11	0.462805	3.64E-26
0.14277	0.414864	7.48E-21	0.212124	3.76E-06	0.15380004	0.00085	0.431685	1.27E-22
0.07523	0.335843	8.93E-14	0.186314	5.10E-05	0.2460291	7.23E-08	0.529775	3.79E-35
0.96773	0.293322	1.02E-10	0.234445	2.98E-07	0.33307785	1.46E-13	0.522268	4.87E-34
0.88713	0.127689	0.00572	0.072678	0.11678	0.11032007	0.01708	0.41909	2.75E-21
0.09639	0.146572	0.00149	0.132172	0.00422	0.08607224	0.0631	0.352066	4.50E-15
1.39E-06	0.264586	6.39E-09	0.110538	0.01686	0.20613866	7.09E-06	0.382462	1.03E-17
0.11132	0.224478	9.55E-07	0.176309	0.00013	0.17266756	0.00018	0.413136	1.12E-20
0.18901	0.350277	6.31E-15	0.265822	5.40E-09	0.26090059	1.05E-08	0.545882	1.27E-37
0.79933	0.373336	6.82E-17	0.307834	1.04E-11	0.18136319	8.10E-05	0.431926	1.20E-22
0.0009	0.252196	3.30E-08	0.292844	1.09E-10	0.41637534	5.24E-21	0.629889	5.38E-53
0.01957	0.021368	0.64511	0.223194	1.11E-06	0.22906741	5.63E-07	0.344376	1.90E-14
0.01355	0.368029	2.00E-16	0.411607	1.60E-20	0.40538222	6.73E-20	0.520838	7.86E-34
0.63164	0.253078	2.94E-08	0.279211	8.24E-10	0.41031614	2.16E-20	0.561077	4.40E-40
0.21912	0.448198	1.86E-24	0.313237	4.33E-12	0.36038305	9.07E-16	0.565107	9.32E-41
0.85979	0.465607	1.67E-26	0.498512	1.04E-30	0.4768698	6.84E-28	0.499318	8.13E-31
0.00829	0.386648	4.22E-18	0.389227	2.42E-18	-0.0176826	0.70311	0.216001	2.46E-06

0.03565	0.537476	2.58E-36	0.506434	8.65E-32	0.22140347	1.35E-06	0.377318	3.01E-17
0.08861	0.603003	1.42E-47	0.450732	9.54E-25	0.35436309	2.90E-15	0.617687	1.80E-50
0.25925	0.222933	1.14E-06	0.216734	2.27E-06	0.30891779	8.76E-12	0.387398	3.59E-18
0.0823	0.460701	6.49E-26	0.516408	3.42E-33	0.27538054	1.43E-09	0.360662	8.59E-16
0.78676	0.251114	3.79E-08	0.161645	0.00045	0.34015142	4.11E-14	0.505485	1.17E-31
0.04143	0.50094	4.90E-31	0.563765	1.57E-40	0.22988949	5.11E-07	0.324966	6.02E-13
0.03972	0.361168	7.78E-16	0.474036	1.55E-27	0.43431697	6.60E-23	0.537599	2.47E-36
0.04839	0.573421	3.54E-42	0.305184	1.60E-11	0.13952799	0.00251	0.374714	5.15E-17
0.33559	0.448217	1.85E-24	0.227627	6.65E-07	0.14504452	0.00167	0.397408	4.05E-19
0.7266	0.045297	0.32869	-0.09861	0.03313	-0.19535	2.13E-05	-0.38089	1.43E-17
0.58579	0.41924	2.65E-21	0.364965	3.68E-16	0.30024014	3.49E-11	0.35716	1.70E-15
0.45088	0.450321	1.06E-24	0.513739	8.20E-33	0.29663116	6.12E-11	0.317332	2.19E-12
0.00285	0.340825	3.63E-14	0.218868	1.80E-06	0.25907688	1.34E-08	0.533013	1.24E-35
0.0085	0.280586	6.76E-10	0.340752	3.68E-14	0.42251136	1.21E-21	0.553028	9.17E-39
0.00697	0.162806	0.00041	0.103248	0.02567	0.22663787	7.46E-07	0.423753	8.95E-22
3.34E-05	0.432096	1.15E-22	0.47684	6.90E-28	0.1218027	0.00842	0.31438	3.58E-12
0.16411	0.216249	2.40E-06	0.094065	0.04217	0.19790816	1.65E-05	0.463595	2.92E-26
3.64E-11	0.3297	2.65E-13	0.221201	1.38E-06	0.00998396	0.82963	0.190568	3.40E-05
0.00287	0.445541	3.73E-24	0.351035	5.47E-15	0.41377871	9.66E-21	0.622613	1.78E-51
0.58279	0.295754	7.00E-11	0.297482	5.36E-11	0.5662949	5.87E-41	0.78956	#####
0.24956	0.420359	2.03E-21	0.523992	2.72E-34	0.21773832	2.04E-06	0.258478	1.45E-08
2.34E-05	0.286956	2.65E-10	0.13686	0.00304	0.19319249	2.63E-05	0.320696	1.25E-12
0.28173	-0.22276	1.16E-06	-0.20356	9.26E-06	-0.3310803	2.08E-13	-0.49033	1.28E-29
0.04454	0.457672	1.48E-25	0.228687	5.88E-07	0.09644236	0.03721	0.257968	1.55E-08
0.6903	0.319095	1.63E-12	0.389529	2.27E-18	0.3879742	3.17E-18	0.530483	2.97E-35
0.31192	0.418596	3.09E-21	0.33414	1.21E-13	0.34815277	9.40E-15	0.571405	7.89E-42
0.15064	0.069022	0.13639	0.079765	0.0851	0.09577225	0.03856	0.317798	2.03E-12
0.95558	0.108614	0.01888	0.138443	0.00272	0.29851284	4.57E-11	0.589505	4.82E-45
0.47408	0.339843	4.34E-14	0.455162	2.92E-25	0.42237015	1.25E-21	0.591939	1.72E-45
0.03361	0.141561	0.00217	0.01694	0.71502	0.15016825	0.00113	0.451585	7.60E-25
1.07E-07	0.093526	0.04337	0.125809	0.00648	0.22059468	1.48E-06	0.331255	2.02E-13
0.4748	0.137	0.00301	0.166298	0.00031	0.20577365	7.36E-06	0.427618	3.48E-22
0.00062	0.242589	1.11E-07	0.372738	7.71E-17	0.00598913	0.89729	0.05265	0.25616
4.54E-07	0.487076	3.41E-29	0.259026	1.35E-08	0.19905304	1.47E-05	0.363228	5.19E-16
0.39517	0.060006	0.19552	0.084076	0.06949	0.27229993	2.20E-09	0.398236	3.37E-19
4.44E-06	0.299577	3.87E-11	0.300929	3.13E-11	0.33314952	1.44E-13	0.565764	7.22E-41
0.00034	0.212807	3.49E-06	0.280985	6.38E-10	0.36481872	3.79E-16	0.399204	2.71E-19
3.99E-06	0.23049	4.77E-07	0.290993	1.45E-10	0.18310945	6.89E-05	0.290192	1.63E-10
0.73365	0.309808	7.58E-12	0.070989	0.12555	-0.1355939	0.00333	0.111881	0.01557
0.00042	0.231983	4.00E-07	0.291972	1.25E-10	0.28106218	6.31E-10	0.514122	7.23E-33
0.94611	0.582645	8.41E-44	0.427019	4.04E-22	0.25388604	2.65E-08	0.438138	2.51E-23
0.11671	0.561399	3.89E-40	0.536179	4.08E-36	0.11511629	0.0128	0.169744	0.00023
0.97498	0.525527	1.62E-34	0.467513	9.82E-27	0.11486648	0.013	0.269798	3.12E-09
0.0282	-0.01752	0.70566	0.189438	3.79E-05	0.18428673	6.17E-05	0.369876	1.38E-16
0.26597	0.325234	5.75E-13	0.2366	2.30E-07	0.4709822	3.69E-27	0.662587	2.37E-60

0.00283	0.008826	0.84914	0.045332	0.32832	0.07647483	0.09882	0.359153	1.15E-15
0.10323	0.380184	1.66E-17	0.338562	5.48E-14	0.25787689	1.57E-08	0.415817	5.98E-21
0.00019	0.265063	5.99E-09	0.226607	7.48E-07	0.44545892	3.81E-24	0.684196	9.61E-66
0.37515	0.396763	4.67E-19	0.316359	2.58E-12	0.14619614	0.00154	0.355685	2.25E-15
0.56732	0.440313	1.44E-23	0.380666	1.50E-17	0.31096601	6.28E-12	0.483669	9.38E-29
1.68E-06	0.312834	4.62E-12	0.284781	3.66E-10	0.43978628	1.65E-23	0.615105	5.98E-50
0.00295	0.33221	1.70E-13	0.392035	1.32E-18	0.11025857	0.01714	0.203245	9.57E-06
0.20759	0.264031	6.89E-09	0.099046	0.03236	0.12511083	0.00679	0.436881	3.46E-23
0.91867	0.411748	1.55E-20	0.44728	2.37E-24	0.16798784	0.00027	0.316084	2.70E-12
0.00098	0.420615	1.91E-21	0.28525	3.41E-10	0.19138059	3.14E-05	0.351229	5.27E-15
0.00217	0.088217	0.05678	0.195459	2.10E-05	0.17770647	0.00011	0.432775	9.71E-23
0.16958	0.446504	2.90E-24	0.405806	6.11E-20	0.30286183	2.31E-11	0.460829	6.26E-26
0.47404	0.381311	1.31E-17	0.456682	1.94E-25	0.35158207	4.93E-15	0.409219	2.79E-20
1.01E-11	0.417195	4.31E-21	0.454731	3.28E-25	0.2815999	5.83E-10	0.459857	8.17E-26
0.02604	0.259668	1.24E-08	0.280438	6.90E-10	0.45052694	1.01E-24	0.692409	6.43E-68
0.90795	0.132833	0.00403	0.091772	0.04747	0.20232791	1.05E-05	0.471598	3.10E-27
1.75E-05	0.049278	0.28792	0.211858	3.86E-06	0.18006202	9.12E-05	0.308033	1.01E-11
2.40E-08	0.178068	0.00011	0.201268	1.17E-05	0.14570095	0.00159	0.338181	5.87E-14
0.68832	0.409702	2.50E-20	0.34559	1.51E-14	0.3967529	4.68E-19	0.471087	3.58E-27
0.29972	0.204256	8.62E-06	0.253616	2.74E-08	0.34023242	4.05E-14	0.503979	1.89E-31
0.44906	-0.00319	0.94511	0.047102	0.30977	0.08311055	0.07276	0.209988	4.72E-06
1.17E-07	0.290506	1.56E-10	0.294564	8.41E-11	0.05761891	0.21392	0.222071	1.25E-06
0.02022	0.21542	2.63E-06	0.397741	3.76E-19	0.23342369	3.37E-07	0.32671	4.45E-13
0.34566	0.201396	1.16E-05	0.150075	0.00114	0.35002448	6.61E-15	0.578156	5.27E-43
0.00333	0.601239	3.08E-47	0.556128	2.88E-39	0.29797911	4.96E-11	0.402385	1.33E-19
0.00017	0.185233	5.65E-05	0.105775	0.02225	0.12262036	0.00798	0.387361	3.62E-18
0.70545	0.514545	6.30E-33	0.318519	1.80E-12	0.32496007	6.02E-13	0.49412	4.05E-30
0.00555	0.366061	2.96E-16	0.266746	4.76E-09	0.26607954	5.21E-09	0.527993	6.99E-35
3.06E-05	0.305986	1.40E-11	0.403514	1.03E-19	0.4070384	4.61E-20	0.521872	5.56E-34
0.29143	0.186985	4.79E-05	-0.02865	0.5369	-0.2129873	3.42E-06	0.041998	0.36518
0.01102	0.04867	0.29392	0.324314	6.73E-13	0.37418553	5.73E-17	0.40185	1.50E-19
0.20862	0.399345	2.63E-19	0.246766	6.59E-08	0.24307715	1.04E-07	0.462433	4.03E-26
0.0019	0.245118	8.10E-08	0.078861	0.0887	0.15122661	0.00104	0.344624	1.81E-14
0.58646	0.468523	7.39E-27	0.358893	1.21E-15	0.28513159	3.47E-10	0.541459	6.26E-37
0.03944	-0.10792	0.01966	0.022264	0.6313	0.0220097	0.6352	-0.24458	8.66E-08
0.96316	-0.19813	1.61E-05	-0.38236	1.05E-17	-0.0486472	0.29414	-0.14746	0.0014
0.4809	0.23926	1.67E-07	0.423908	8.62E-22	0.20492222	8.04E-06	0.189856	3.64E-05
0.00162	0.523682	3.02E-34	0.398705	3.03E-19	0.12997008	0.00491	0.371885	9.17E-17
0.00037	0.48488	6.55E-29	0.320408	1.31E-12	0.18592775	5.29E-05	0.468204	8.09E-27
0.0519	0.589175	5.54E-45	0.556845	2.19E-39	0.43622187	4.08E-23	0.499736	7.14E-31
0.72002	0.362089	6.50E-16	0.31385	3.91E-12	0.41576913	6.05E-21	0.627681	1.57E-52
0.34341	0.270978	2.65E-09	0.130595	0.0047	0.15971803	0.00053	0.409461	2.64E-20
0.00019	0.35958	1.06E-15	0.364725	3.86E-16	0.16847894	0.00025	0.315085	3.19E-12
0.00011	-0.399	2.84E-19	-0.25228	3.26E-08	-0.2605537	1.10E-08	-0.39704	4.39E-19
0.00014	0.319692	1.48E-12	0.24263	1.10E-07	0.10740564	0.02026	0.328128	3.48E-13

0.0455	0.224665	9.35E-07	0.173749	0.00016	0.26158138	9.59E-09	0.51556	4.52E-33
0.49251	0.379079	2.09E-17	0.327854	3.65E-13	0.30364595	2.04E-11	0.471456	3.23E-27
0.38177	0.594554	5.62E-46	0.484441	7.46E-29	0.41080086	1.93E-20	0.481222	1.93E-28
0.00591	0.031785	0.49321	0.094493	0.04124	0.25992784	1.20E-08	0.378976	2.13E-17
0.36378	0.513631	8.49E-33	0.30304	2.24E-11	0.04526681	0.32901	0.228186	6.23E-07
0.09491	0.238889	1.75E-07	0.252346	3.23E-08	0.27079924	2.72E-09	0.374081	5.86E-17
0.00014	0.501023	4.78E-31	0.416459	5.14E-21	0.08789295	0.0577	0.226507	7.57E-07
0.0249	0.07286	0.11586	0.095176	0.03979	0.08954646	0.05314	0.207671	6.03E-06
0.183	0.218093	1.96E-06	0.193399	2.58E-05	0.01344674	0.77195	0.19718	1.77E-05
0.24655	0.308175	9.88E-12	0.226996	7.15E-07	-0.005457	0.90638	0.234761	2.87E-07
0.93256	0.067005	0.14825	0.012526	0.78718	0.21153763	4.00E-06	0.455009	3.04E-25
0.04043	0.034327	0.45928	0.164894	0.00035	0.14395365	0.00182	0.301655	2.79E-11
0.05386	0.414802	7.59E-21	0.273667	1.82E-09	0.24594233	7.30E-08	0.474434	1.38E-27
8.02E-10	-0.02327	0.61591	0.16338	0.00039	0.30882848	8.89E-12	0.522538	4.44E-34
0.83328	0.237696	2.02E-07	0.109266	0.01818	0.06901501	0.13643	0.316462	2.54E-12
0.02719	0.359967	9.84E-16	0.512242	1.33E-32	0.34513139	1.65E-14	0.407844	3.83E-20
0.38389	0.329508	2.74E-13	0.187853	4.41E-05	0.35523171	2.46E-15	0.658952	1.73E-59
0.28881	0.113488	0.01413	0.078205	0.09139	0.12776698	0.00569	0.405216	6.99E-20
0.23118	0.274863	1.53E-09	0.245782	7.45E-08	0.34969467	7.04E-15	0.584355	4.15E-44
0.00733	0.196433	1.91E-05	0.328153	3.47E-13	0.54800568	5.86E-38	0.663111	1.78E-60
0.59577	0.312717	4.71E-12	0.318474	1.81E-12	0.47403208	1.55E-27	0.69818	1.72E-69
0.00116	-0.00697	0.88053	-0.06821	0.14106	-0.1201904	0.00933	0.140073	0.00241
0.92462	0.183824	6.44E-05	0.151841	0.001	0.23841547	1.85E-07	0.516492	3.32E-33
0.0001	0.636853	1.73E-54	0.395591	6.05E-19	0.21970043	1.64E-06	0.394359	7.93E-19
0.11694	-0.18596	5.27E-05	-0.13177	0.00434	-0.1381462	0.00277	-0.44467	4.68E-24
0.01994	0.256619	1.85E-08	0.261013	1.03E-08	0.22695042	7.19E-07	0.408324	3.43E-20
0.95582	0.141429	0.00219	0.186425	5.05E-05	0.30377005	2.00E-11	0.57503	1.86E-42
0.08644	0.584993	3.19E-44	0.596097	2.90E-46	0.26780611	4.11E-09	0.437286	3.12E-23
0.53902	0.240628	1.41E-07	0.381473	1.26E-17	0.29102274	1.44E-10	0.379983	1.73E-17
0.01684	0.169643	0.00023	0.090258	0.05127	-0.1102771	0.01713	0.060362	0.19287
0.92716	0.592341	1.45E-45	0.613111	1.49E-49	0.29453213	8.45E-11	0.412717	1.24E-20
0.00013	0.118999	0.01006	0.180917	8.44E-05	0.15342831	0.00088	0.310125	7.20E-12
0.72244	0.245018	8.20E-08	0.200153	1.31E-05	0.20260782	1.02E-05	0.303631	2.04E-11
0.00654	-0.15149	0.00102	-0.11879	0.01019	-0.0399525	0.38901	-0.25615	1.97E-08
0.53169	0.293081	1.05E-10	0.169991	0.00022	0.33388272	1.27E-13	0.507399	6.36E-32
0.0677	0.375966	3.98E-17	0.13497	0.00347	0.21700986	2.21E-06	0.357537	1.58E-15
0.00012	0.195627	2.07E-05	0.20759	6.09E-06	0.22086927	1.44E-06	0.310954	6.29E-12
0.24915	0.269467	3.27E-09	0.296669	6.08E-11	0.39042508	1.87E-18	0.613516	1.24E-49
0.64263	0.268994	3.49E-09	0.327788	3.69E-13	0.41086139	1.91E-20	0.551603	1.56E-38
0.00882	0.557078	2.01E-39	0.452325	6.24E-25	0.35238793	4.23E-15	0.491887	7.99E-30
0.44339	0.264374	6.58E-09	0.223677	1.05E-06	0.19984728	1.35E-05	0.312168	5.16E-12
0.04534	0.27769	1.03E-09	0.357232	1.67E-15	0.42288187	1.11E-21	0.676677	8.16E-64
0.43813	0.254924	2.31E-08	0.174719	0.00015	0.29590153	6.85E-11	0.535791	4.68E-36
0.52545	0.349954	6.70E-15	0.391936	1.35E-18	0.35343833	3.46E-15	0.587028	1.36E-44
0.34369	0.157616	0.00063	0.063121	0.17327	0.16587225	0.00032	0.405344	6.79E-20

0.09984	0.107183	0.02052	0.173732	0.00016	0.35806653	1.42E-15	0.607158	2.23E-48
0.4343	0.224541	9.48E-07	0.212579	3.58E-06	0.26821122	3.89E-09	0.44748	2.25E-24
0.00213	0.315349	3.05E-12	0.273143	1.96E-09	0.3198144	1.45E-12	0.448023	1.95E-24
0.01303	0.220015	1.58E-06	0.262795	8.14E-09	0.47406747	1.53E-27	0.613116	1.49E-49
0.01076	0.540937	7.55E-37	0.514761	5.87E-33	0.23006875	5.01E-07	0.365842	3.09E-16
3.59E-06	-0.32152	1.08E-12	-0.15577	0.00073	-0.1605405	0.0005	-0.36434	4.17E-16
0.00887	0.591601	1.99E-45	0.413832	9.54E-21	0.21665523	2.29E-06	0.417851	3.69E-21
0.31953	0.280406	6.94E-10	0.239463	1.63E-07	0.12049665	0.00915	0.258223	1.50E-08
0.06408	0.138719	0.00266	0.205564	7.52E-06	0.29846193	4.61E-11	0.490043	1.40E-29
0.93261	0.42434	7.76E-22	0.433985	7.17E-23	0.43713647	3.24E-23	0.675741	1.41E-63
0.03581	0.029724	0.52167	0.02167	0.64043	0.02396669	0.60543	0.206032	7.17E-06
0.03671	0.321128	1.16E-12	0.104461	0.02397	0.21464994	2.86E-06	0.482943	1.16E-28
0.21309	0.290112	1.65E-10	0.210062	4.68E-06	0.33030542	2.38E-13	0.625441	4.62E-52
0.03764	-0.11515	0.01278	-0.12223	0.00819	-0.2052339	7.79E-06	-0.35578	2.21E-15
0.73892	0.414101	8.95E-21	0.257819	1.58E-08	0.23203714	3.97E-07	0.491554	8.84E-30
0.02225	0.405329	6.81E-20	0.510845	2.10E-32	0.36415824	4.32E-16	0.433684	7.74E-23
0.04122	0.215941	2.48E-06	0.092099	0.04668	0.23618198	2.42E-07	0.492485	6.66E-30
0.6856	0.397794	3.71E-19	0.204313	8.57E-06	0.32414536	6.93E-13	0.536329	3.87E-36
0.58158	0.195788	2.04E-05	0.0911	0.04913	0.06687484	0.14904	0.311873	5.41E-12
6.53E-08	0.345788	1.46E-14	0.443879	5.75E-24	0.36185312	6.80E-16	0.496047	2.24E-30
0.0432	0.35879	1.24E-15	0.10954	0.01789	-0.0292315	0.5286	0.153388	0.00088
2.82E-07	0.055738	0.22928	0.10366	0.02508	0.23239776	3.81E-07	0.409293	2.74E-20
0.00099	0.153492	0.00088	0.224375	9.66E-07	0.156454	0.00069	0.342069	2.90E-14
0.00087	0.433152	8.84E-23	0.285174	3.45E-10	0.3045595	1.76E-11	0.5164	3.43E-33
0.00044	0.502853	2.69E-31	0.270705	2.75E-09	0.10084389	0.02933	0.279158	8.31E-10
0.09921	0.385376	5.53E-18	0.407311	4.33E-20	0.37792152	2.65E-17	0.599762	5.89E-47
0.55371	0.166024	0.00031	0.388452	2.86E-18	0.27485274	1.54E-09	0.393578	9.41E-19
0.15668	0.314416	3.56E-12	0.05448	0.23998	0.24374735	9.61E-08	0.565175	9.07E-41
0.47967	0.331152	2.05E-13	0.270773	2.73E-09	0.29589709	6.85E-11	0.386327	4.52E-18
0.00046	0.308395	9.53E-12	0.062436	0.178	0.06612637	0.15366	0.234094	3.11E-07
0.24773	0.350211	6.39E-15	0.366747	2.58E-16	0.21596453	2.47E-06	0.273973	1.74E-09
0.04089	0.287525	2.44E-10	0.062412	0.17817	0.10102169	0.02905	0.217346	2.13E-06
0.68774	0.41108	1.81E-20	0.427889	3.26E-22	0.28342814	4.46E-10	0.379693	1.84E-17
0.94289	0.352734	3.96E-15	0.254434	2.47E-08	0.44936768	1.37E-24	0.600098	5.09E-47
0.23785	-0.0626	0.17688	0.143415	0.00189	0.07101176	0.12542	0.228813	5.80E-07
0.5897	0.227366	6.85E-07	0.199018	1.47E-05	0.1118308	0.01561	0.172072	0.00019
0.00182	0.17466	0.00015	0.250432	4.13E-08	0.36601775	2.99E-16	0.471618	3.08E-27
0.36569	0.270281	2.92E-09	0.181997	7.64E-05	0.08744333	0.059	0.261633	9.52E-09
0.03834	0.30363	2.04E-11	0.409904	2.38E-20	0.47445993	1.37E-27	0.69755	2.56E-69
0.67402	0.322567	9.07E-13	0.353336	3.53E-15	0.46051663	6.82E-26	0.673942	3.97E-63
0.5898	0.373244	6.95E-17	0.296044	6.70E-11	0.39786459	3.66E-19	0.676901	7.16E-64
0.00224	0.169068	0.00024	0.445634	3.64E-24	0.12924608	0.00515	0.170038	0.00022
0.79399	0.452087	6.65E-25	0.524265	2.48E-34	0.40390499	9.42E-20	0.540871	7.73E-37
0.70477	0.354906	2.62E-15	0.377691	2.78E-17	0.32128898	1.13E-12	0.545403	1.51E-37
0.93652	0.714884	2.92E-74	0.489935	1.44E-29	0.32231252	9.47E-13	0.51928	1.32E-33

0.3641	0.312426	4.95E-12	0.26524	5.85E-09	0.41048217	2.08E-20	0.621549	2.94E-51
0.32185	0.369518	1.48E-16	0.232474	3.77E-07	0.4416157	1.03E-23	0.634645	5.20E-54
0.90593	0.202733	1.01E-05	0.139165	0.00258	0.30616381	1.37E-11	0.330505	2.30E-13
0.95306	0.326137	4.92E-13	0.265468	5.67E-09	0.22456596	9.45E-07	0.460307	7.23E-26
0.58167	0.086403	0.06209	0.143673	0.00185	-0.0701032	0.13034	0.151419	0.00103
0.64222	0.29298	1.07E-10	0.088563	0.05581	-0.0383955	0.40777	0.208976	5.26E-06
0.44312	0.302229	2.55E-11	0.265961	5.30E-09	0.48194305	1.56E-28	0.691242	1.32E-67
0.07721	0.209662	4.89E-06	0.264558	6.41E-09	0.22989023	5.11E-07	0.459718	8.49E-26
0.17787	0.32799	3.57E-13	0.129906	0.00493	0.15893852	0.00057	0.391127	1.61E-18
0.00226	0.3843	6.96E-18	0.408311	3.44E-20	0.48421832	7.97E-29	0.60898	9.80E-49
0.19606	0.300015	3.61E-11	0.188647	4.08E-05	0.0778915	0.09271	0.310436	6.85E-12
0.00989	0.1825	7.29E-05	0.12871	0.00534	0.2582445	1.50E-08	0.528745	5.40E-35
0.12	0.33138	1.97E-13	-0.01721	0.71075	-0.0181263	0.69602	0.164978	0.00034
0.97796	0.568509	2.47E-41	0.615527	4.92E-50	0.30478518	1.70E-11	0.442496	8.23E-24
0.72142	0.484775	6.76E-29	0.297032	5.75E-11	0.19825464	1.59E-05	0.360084	9.62E-16
0.00885	0.32905	2.97E-13	0.351848	4.69E-15	0.29459095	8.37E-11	0.543706	2.79E-37
0.73762	0.36214	6.43E-16	0.188332	4.21E-05	0.16207399	0.00044	0.312245	5.09E-12
0.0209	0.164213	0.00037	0.032286	0.48642	0.16879156	0.00025	0.467293	1.04E-26
0.40037	0.326175	4.89E-13	0.140841	0.00228	0.12772482	0.00571	0.40401	9.20E-20
0.06351	0.255402	2.17E-08	0.392111	1.30E-18	0.44526744	4.01E-24	0.606394	3.13E-48
0.03678	0.259364	1.29E-08	0.103915	0.02472	0.24516308	8.05E-08	0.467872	8.88E-27
0.64164	0.487628	2.89E-29	0.425293	6.15E-22	0.49006078	1.39E-29	0.534375	7.68E-36
0.33459	0.14367	0.00185	0.074809	0.10641	-0.030805	0.50664	0.21547	2.61E-06
0.03343	0.165614	0.00033	0.35203	4.53E-15	0.15509162	0.00077	0.076061	0.10066
0.29923	0.483376	1.02E-28	0.294245	8.83E-11	0.25607912	1.99E-08	0.514988	5.45E-33
0.23927	0.560787	4.92E-40	0.325325	5.66E-13	0.23442621	2.99E-07	0.504117	1.80E-31
0.13158	0.00456	0.92171	0.225843	8.17E-07	0.35253982	4.11E-15	0.554605	5.09E-39
0.00023	0.403301	1.08E-19	0.290258	1.62E-10	-0.010314	0.82408	0.198063	1.62E-05
0.96837	0.43304	9.09E-23	0.344793	1.75E-14	0.37684725	3.32E-17	0.584465	3.97E-44
0.23334	0.254361	2.49E-08	-0.09547	0.03917	-0.2745548	1.60E-09	0.018742	0.68624
0.6115	0.125494	0.00662	0.080619	0.08179	0.11462809	0.01319	0.250935	3.88E-08
0.37762	0.090099	0.05168	0.325263	5.72E-13	0.31549136	2.98E-12	0.405802	6.12E-20
9.14E-06	0.008115	0.86117	0.129795	0.00497	0.14953982	0.00119	-0.07248	0.1178
0.28132	0.106114	0.02182	0.139045	0.0026	0.26427506	6.67E-09	0.474339	1.42E-27
0.5847	-0.31913	1.62E-12	-0.18035	8.89E-05	0.0244042	0.59886	-0.19413	2.40E-05
0.57212	0.306811	1.23E-11	0.154204	0.00083	0.21226902	3.70E-06	0.482311	1.40E-28
0.10128	0.461698	4.93E-26	0.475158	1.12E-27	0.51678879	3.01E-33	0.533958	8.88E-36
0.29816	0.393258	1.01E-18	0.28637	2.89E-10	0.10566911	0.02238	0.335256	9.92E-14
0.25488	0.058034	0.21063	0.073044	0.11494	-0.0744656	0.10802	0.15551	0.00075
0.53871	0.498732	9.76E-31	0.360158	9.48E-16	0.25631222	1.93E-08	0.400996	1.82E-19
0.71723	-0.23418	3.08E-07	-0.25898	1.36E-08	-0.2039821	8.87E-06	-0.42171	1.47E-21
0.00083	0.560314	5.89E-40	0.579802	2.70E-43	0.2805707	6.77E-10	0.375156	4.70E-17
0.00014	0.138407	0.00272	0.315551	2.95E-12	0.27714623	1.11E-09	0.370673	1.17E-16
0.12152	0.54957	3.30E-38	0.220172	1.55E-06	0.20200983	1.09E-05	0.408805	3.07E-20
0.16453	0.49418	3.97E-30	0.322718	8.84E-13	0.09407874	0.04214	0.283316	4.54E-10

0.06189	0.42823	3.00E-22	0.357921	1.46E-15	0.22351765	1.07E-06	0.404763	7.75E-20
0.15286	0.182841	7.06E-05	0.428573	2.75E-22	0.45363315	4.40E-25	0.466587	1.27E-26
0.01205	0.050862	0.27268	0.065496	0.15762	0.23022703	4.91E-07	0.37334	6.82E-17
0.04234	0.430135	1.87E-22	0.348384	9.00E-15	0.29655958	6.18E-11	0.438191	2.48E-23
0.54896	0.513855	7.89E-33	0.447988	1.97E-24	0.32816625	3.46E-13	0.537436	2.62E-36
0.30427	0.191745	3.03E-05	0.147426	0.0014	0.2268708	7.26E-07	0.346417	1.30E-14
0.35864	0.325249	5.73E-13	0.333491	1.36E-13	0.34608077	1.38E-14	0.532815	1.32E-35
0.01715	0.30079	3.20E-11	0.345562	1.52E-14	0.27136897	2.51E-09	0.489964	1.43E-29
0.5643	0.249621	4.59E-08	0.242949	1.06E-07	0.3488342	8.27E-15	0.501725	3.83E-31
0.84209	0.09222	0.04639	0.096867	0.03638	0.16007736	0.00052	0.444417	5.00E-24
0.91065	0.266589	4.86E-09	0.266307	5.05E-09	0.20968844	4.87E-06	0.341941	2.96E-14
0.29213	0.518872	1.51E-33	0.372545	8.02E-17	0.26216889	8.86E-09	0.402675	1.24E-19
0.21771	0.326738	4.43E-13	0.08329	0.07214	0.1061081	0.02183	0.329395	2.79E-13
0.84923	0.261138	1.02E-08	0.221632	1.32E-06	0.24150482	1.27E-07	0.40915	2.84E-20
0.07632	0.273965	1.74E-09	0.173862	0.00016	0.17055948	0.00021	0.318101	1.93E-12
0.70516	-0.00559	0.90414	0.133769	0.00378	0.0770456	0.09632	0.272016	2.29E-09
0.25979	0.506718	7.90E-32	0.540046	1.04E-36	0.31831035	1.86E-12	0.400618	1.98E-19
0.97544	0.245001	8.22E-08	0.018202	0.69482	0.22310378	1.12E-06	0.571985	6.27E-42
0.46284	0.38564	5.23E-18	0.349239	7.67E-15	0.13745622	0.00291	0.339133	4.94E-14
0.10411	0.193429	2.57E-05	0.262869	8.06E-09	0.268172	3.91E-09	0.518945	1.48E-33
0.00404	-0.01106	0.81151	0.151597	0.00102	0.21450064	2.90E-06	0.275977	1.31E-09
0.07708	0.337028	7.22E-14	0.460247	7.35E-26	0.44151587	1.06E-23	0.509781	2.96E-32
0.15077	0.252159	3.31E-08	0.412313	1.36E-20	0.36759599	2.18E-16	0.569625	1.59E-41
0.79755	0.081314	0.07919	0.085206	0.06581	0.15370245	0.00086	0.439153	1.94E-23
0.96404	0.348673	8.53E-15	0.351826	4.71E-15	0.16303304	0.0004	0.385715	5.15E-18
0.00196	0.337139	7.08E-14	0.294892	7.99E-11	0.20909827	5.19E-06	0.480414	2.44E-28
0.6181	0.177106	0.00012	0.1749	0.00015	0.11371579	0.01394	0.260356	1.13E-08
0.51201	0.143368	0.0019	0.154642	0.0008	0.29526179	7.55E-11	0.580768	1.82E-43
0.13217	0.256642	1.85E-08	0.000724	0.98755	-0.1334936	0.00385	0.097009	0.03611
0.37215	0.203091	9.72E-06	0.354139	3.03E-15	0.37978426	1.80E-17	0.465298	1.82E-26
0.01286	0.207237	6.32E-06	0.058176	0.20952	0.1171632	0.01128	0.417973	3.59E-21
0.00278	0.419251	2.64E-21	0.473934	1.59E-27	0.24334223	1.01E-07	0.351918	4.62E-15
0.6146	0.353481	3.44E-15	0.215959	2.48E-06	0.17827794	0.00011	0.446358	3.02E-24
0.01378	-0.22561	8.39E-07	-0.19381	2.47E-05	0.13322724	0.00392	-0.14122	0.00222
0.99545	0.368685	1.75E-16	0.273772	1.79E-09	0.26059815	1.09E-08	0.492792	6.07E-30
0.77061	0.248474	5.31E-08	0.293331	1.02E-10	0.59342249	9.13E-46	0.808791	#####
0.73923	0.31264	4.77E-12	0.153629	0.00087	0.18898129	3.96E-05	0.340625	3.77E-14
0.03668	0.026498	0.56787	0.255665	2.10E-08	0.20838958	5.59E-06	0.298284	4.73E-11
0.42215	-0.02942	0.52588	0.024694	0.59453	0.04483588	0.33364	0.181633	7.90E-05
0.00061	0.372781	7.64E-17	0.394575	7.56E-19	-0.0495369	0.28539	0.061454	0.18493
0.33681	0.115539	0.01247	0.053955	0.24455	0.09019691	0.05142	0.346431	1.30E-14
0.70377	0.474683	1.28E-27	0.344567	1.83E-14	0.37457382	5.30E-17	0.598305	1.11E-46
0.70995	0.13153	0.00441	0.197107	1.78E-05	0.13714695	0.00298	0.241693	1.24E-07
0.19727	0.291884	1.26E-10	0.378499	2.35E-17	0.19665211	1.87E-05	0.307773	1.05E-11
0.04593	0.103477	0.02534	0.186667	4.93E-05	0.10742793	0.02023	0.290896	1.47E-10

0.17844	0.241753	1.23E-07	0.118939	0.0101	0.08094099	0.08058	0.280114	7.24E-10
0.54625	0.471387	3.29E-27	0.211744	3.91E-06	0.04114608	0.37499	0.184729	5.92E-05
0.77796	0.272442	2.16E-09	0.403671	9.93E-20	0.46156555	5.12E-26	0.562427	2.62E-40
0.49003	0.24839	5.36E-08	0.06381	0.16862	0.23535514	2.68E-07	0.583521	5.86E-44
0.04442	0.225485	8.51E-07	0.169797	0.00023	0.36222504	6.33E-16	0.454168	3.81E-25
0.46167	0.428119	3.08E-22	0.449449	1.34E-24	0.31156775	5.69E-12	0.522515	4.48E-34
0.83041	0.330825	2.17E-13	0.305212	1.59E-11	0.47811926	4.77E-28	0.745444	6.06E-84
0.0021	0.34642	1.30E-14	0.24995	4.40E-08	0.09147628	0.04819	0.312595	4.81E-12
0.38116	0.532758	1.35E-35	0.40954	2.59E-20	0.45951762	8.97E-26	0.641154	1.99E-55
0.9824	0.433318	8.48E-23	0.427783	3.35E-22	0.42781901	3.32E-22	0.657447	3.92E-59
0.92193	0.169471	0.00023	0.128857	0.00529	0.22941207	5.41E-07	0.370829	1.14E-16
5.87E-06	0.146366	0.00152	0.045306	0.3286	0.00132918	0.97715	0.291837	1.27E-10
8.06E-11	-0.2937	9.60E-11	-0.32668	4.48E-13	-0.1193188	0.00986	-0.26849	3.74E-09
0.28463	0.237856	1.98E-07	0.148073	0.00133	0.20989061	4.77E-06	0.449444	1.34E-24
0.72265	0.173891	0.00016	-0.02527	0.5859	0.04021666	0.38588	0.229733	5.21E-07
0.02587	0.210649	4.40E-06	0.042976	0.35411	0.0115352	0.80366	0.222582	1.18E-06
2.58E-05	0.391589	1.45E-18	0.155659	0.00074	0.22987187	5.12E-07	0.416992	4.53E-21
0.39848	0.184932	5.81E-05	0.25579	2.07E-08	0.05080171	0.27325	0.180069	9.12E-05
0.66485	0.263542	7.36E-09	0.166177	0.00031	0.16236377	0.00043	0.353796	3.24E-15
0.27119	0.116836	0.01151	0.139593	0.0025	0.27301029	1.99E-09	0.482281	1.41E-28
0.24016	0.341513	3.20E-14	0.226845	7.28E-07	0.22280475	1.15E-06	0.3471	1.14E-14
0.90307	0.641823	1.41E-55	0.47015	4.67E-27	0.17902958	0.0001	0.307408	1.12E-11
0.27972	0.333147	1.44E-13	0.285816	3.14E-10	0.40805724	3.65E-20	0.667824	1.29E-61
0.91503	0.254796	2.35E-08	0.546049	1.20E-37	0.40403541	9.14E-20	0.417127	4.38E-21
0.09648	0.535958	4.41E-36	0.449238	1.42E-24	0.18185359	7.74E-05	0.386284	4.56E-18
0.30802	-0.10702	0.02071	0.162794	0.00041	0.18103149	8.35E-05	0.280702	6.64E-10
0.41364	0.279138	8.33E-10	0.249124	4.89E-08	0.17047069	0.00021	0.282101	5.42E-10
0.00318	0.151913	0.00099	0.257265	1.70E-08	0.22541946	8.58E-07	0.343984	2.04E-14
0.00403	0.412765	1.22E-20	0.466359	1.36E-26	0.12240574	0.00809	0.235591	2.60E-07
0.16264	0.188465	4.16E-05	0.00661	0.88672	0.01834561	0.69253	0.159211	0.00055
0.68034	0.373861	6.13E-17	0.385438	5.46E-18	0.23475214	2.88E-07	0.367125	2.39E-16
0.95537	0.401067	1.79E-19	0.295057	7.79E-11	0.14578652	0.00158	0.304767	1.71E-11
0.5401	0.468336	7.79E-27	0.329868	2.57E-13	0.43934644	1.85E-23	0.530529	2.92E-35
0.48897	0.089277	0.05386	0.287632	2.40E-10	0.22778939	6.53E-07	0.320473	1.29E-12
0.03258	0.189666	3.70E-05	0.136708	0.00307	0.22048474	1.50E-06	0.473039	2.06E-27
0.13325	0.377579	2.85E-17	0.268902	3.54E-09	0.30284512	2.32E-11	0.475625	9.80E-28
0.01723	0.324977	6.01E-13	0.205827	7.32E-06	0.34268209	2.59E-14	0.569881	1.44E-41
3.98E-06	0.314906	3.29E-12	0.379974	1.73E-17	0.41581177	5.98E-21	0.497411	1.47E-30
0.66873	0.279134	8.34E-10	0.415303	6.75E-21	0.44823339	1.84E-24	0.546568	9.90E-38
0.42284	0.130152	0.00485	0.280569	6.77E-10	0.25988953	1.20E-08	0.411763	1.55E-20
0.19397	0.306463	1.30E-11	0.043321	0.35025	-0.0392429	0.3975	0.231402	4.28E-07
0.01338	0.257018	1.76E-08	0.410689	1.99E-20	0.44693568	2.59E-24	0.488803	2.03E-29
0.0598	0.310625	6.64E-12	0.166152	0.00031	0.07460617	0.10736	0.292715	1.11E-10
0.28473	0.28254	5.08E-10	0.192239	2.89E-05	0.17059287	0.00021	0.421193	1.66E-21
0.15209	0.21713	2.18E-06	0.275612	1.38E-09	0.16444068	0.00036	0.437659	2.84E-23



0.03184	0.4443	5.16E-24	0.324319	6.72E-13	0.13390499	0.00374	0.36157	7.19E-16
0.60024	0.425064	6.51E-22	0.32684	4.36E-13	0.16105814	0.00048	0.306763	1.24E-11
0.64123	0.384448	6.74E-18	0.477183	6.25E-28	0.53478226	6.66E-36	0.690619	1.94E-67
0.00062	0.20696	6.50E-06	0.170511	0.00021	0.29581971	6.93E-11	0.416393	5.22E-21
0.53385	0.520505	8.78E-34	0.352858	3.87E-15	0.30906627	8.55E-12	0.505116	1.32E-31
0.13436	0.507702	5.77E-32	0.289646	1.77E-10	0.11190045	0.01555	0.286651	2.77E-10
0.48444	0.102716	0.02644	0.131375	0.00446	0.24495431	8.27E-08	0.504107	1.81E-31
0.3532	0.351465	5.04E-15	0.463166	3.29E-26	0.24507847	8.14E-08	0.284082	4.06E-10
0.492	0.456835	1.86E-25	0.387245	3.71E-18	0.46385654	2.72E-26	0.667097	1.94E-61
0.57141	0.406525	5.18E-20	0.372554	8.00E-17	0.42430241	7.83E-22	0.490507	1.21E-29
0.26475	0.382096	1.11E-17	0.301052	3.07E-11	0.33414362	1.21E-13	0.560604	5.27E-40
0.33751	0.49554	2.62E-30	0.386406	4.44E-18	0.38721597	3.74E-18	0.564788	1.05E-40
0.62725	0.039253	0.39738	0.40905	2.90E-20	0.23781517	1.99E-07	0.341327	3.32E-14
0.62745	0.315466	2.99E-12	0.453691	4.33E-25	0.39521182	6.57E-19	0.508292	4.78E-32
0.25463	0.33077	2.20E-13	0.285188	3.45E-10	0.36513315	3.56E-16	0.574406	2.39E-42
0.40199	0.091967	0.047	0.006857	0.88251	0.16676821	0.0003	0.38186	1.17E-17
0.00704	0.611173	3.62E-49	0.549199	3.78E-38	0.41545457	6.51E-21	0.59669	2.24E-46
0.20712	0.582304	9.68E-44	0.400606	1.98E-19	0.29617238	6.57E-11	0.480464	2.41E-28
0.15151	0.230852	4.57E-07	0.19673	1.85E-05	0.3085925	9.23E-12	0.559427	8.25E-40
0.10309	0.446239	3.11E-24	0.246348	6.94E-08	0.32627047	4.81E-13	0.520045	1.02E-33
0.90879	0.235303	2.69E-07	0.241603	1.25E-07	0.44265654	7.89E-24	0.702235	1.28E-70
0.03219	0.374011	5.94E-17	0.238839	1.76E-07	0.24879443	5.09E-08	0.44056	1.35E-23
0.00162	0.268711	3.63E-09	0.291052	1.43E-10	0.41514082	7.01E-21	0.497384	1.48E-30
0.46775	0.469388	5.80E-27	0.26213	8.91E-09	0.176806	0.00012	0.400184	2.18E-19
0.08807	0.550872	2.04E-38	0.61993	6.31E-51	0.22384134	1.03E-06	0.341983	2.94E-14
0.17551	0.297106	5.68E-11	0.495122	2.98E-30	0.27319819	1.94E-09	0.274087	1.71E-09
0.47137	0.443673	6.07E-24	0.354073	3.07E-15	0.02214111	0.63318	0.12077	0.00899
0.19054	0.348149	9.40E-15	0.422379	1.25E-21	0.3172073	2.24E-12	0.414832	7.54E-21
0.96332	0.17634	0.00013	0.152801	0.00092	0.30689306	1.21E-11	0.593646	8.30E-46
0.10322	0.316636	2.46E-12	0.300365	3.42E-11	0.41601271	5.71E-21	0.523635	3.07E-34
2.01E-06	0.336161	8.44E-14	0.134509	0.00359	0.22401629	1.01E-06	0.386686	4.19E-18
0.06746	0.431842	1.23E-22	0.500248	6.09E-31	0.16685701	0.00029	0.215856	2.50E-06
0.00993	0.21503	2.74E-06	0.153371	0.00088	0.36049004	8.89E-16	0.620651	4.50E-51
0.56944	0.271282	2.54E-09	0.373945	6.02E-17	0.48368169	9.34E-29	0.492559	6.51E-30
0.60949	0.501678	3.89E-31	0.468215	8.06E-27	0.35824363	1.38E-15	0.518942	1.48E-33
0.71498	0.307819	1.05E-11	0.151103	0.00105	0.24843193	5.33E-08	0.468517	7.41E-27
0.3394	0.437083	3.28E-23	0.370015	1.34E-16	0.16690257	0.00029	0.419334	2.59E-21
0.44225	0.226149	7.89E-07	0.257773	1.59E-08	0.25363564	2.74E-08	0.489993	1.42E-29
0.19116	0.22593	8.09E-07	0.364183	4.30E-16	0.4991363	8.61E-31	0.704078	3.88E-71
0.37751	-0.2441	9.20E-08	-0.23142	4.27E-07	-0.2187971	1.81E-06	-0.42226	1.28E-21
0.73097	0.444394	5.03E-24	0.351693	4.83E-15	0.33830321	5.74E-14	0.584729	3.56E-44
0.01362	0.569374	1.76E-41	0.424705	7.10E-22	0.30421635	1.86E-11	0.543253	3.29E-37
0.00529	0.473701	1.70E-27	0.248156	5.52E-08	0.17341658	0.00017	0.387676	3.39E-18
0.06529	0.337458	6.68E-14	0.458679	1.13E-25	0.11441044	0.01336	0.210156	4.64E-06
0.85426	-0.24653	6.78E-08	-0.21574	2.54E-06	-0.1350873	0.00345	-0.25073	3.98E-08

0.42808	0.420673	1.88E-21	0.621989	2.39E-51	0.47580937	9.29E-28	0.48562	5.26E-29
0.27708	0.268722	3.63E-09	0.276164	1.28E-09	0.5302263	3.24E-35	0.754038	6.40E-87
0.96638	0.334929	1.05E-13	0.230153	4.96E-07	0.39370084	9.16E-19	0.621431	3.11E-51
0.38792	0.206009	7.18E-06	0.18692	4.82E-05	0.16075628	0.00049	0.288333	2.16E-10
0.80644	0.088725	0.05537	0.073032	0.115	0.08557944	0.06463	0.284503	3.81E-10
0.61907	0.189783	3.66E-05	0.116773	0.01156	-0.0844984	0.06809	0.115803	0.01227
0.22909	0.634333	6.07E-54	0.490306	1.29E-29	0.35184806	4.69E-15	0.466664	1.25E-26
0.08192	-0.28524	3.42E-10	-0.18117	8.24E-05	-0.1872277	4.68E-05	-0.42813	3.07E-22
0.96062	-0.09988	0.03093	0.086688	0.06123	0.17680787	0.00012	-0.18403	6.32E-05
0.04158	0.581724	1.23E-43	0.577852	5.96E-43	0.49074754	1.13E-29	0.640145	3.31E-55
0.00115	0.156281	0.0007	0.218916	1.79E-06	0.23605603	2.46E-07	0.389476	2.30E-18
0.03267	0.570091	1.33E-41	0.420347	2.03E-21	0.27925348	8.19E-10	0.496942	1.70E-30
0.00052	0.293711	9.58E-11	0.262744	8.20E-09	0.35145664	5.05E-15	0.511499	1.70E-32
0.50026	0.497061	1.64E-30	0.491878	8.01E-30	0.14485754	0.0017	0.211424	4.05E-06
0.01408	0.245325	7.89E-08	0.178653	0.0001	0.32445824	6.57E-13	0.540292	9.50E-37
8.17E-05	0.413818	9.57E-21	0.297783	5.12E-11	0.28184263	5.63E-10	0.340708	3.71E-14
0.00073	0.338577	5.46E-14	0.208865	5.32E-06	0.09813563	0.03399	0.324248	6.81E-13
0.52683	-0.17845	0.00011	0.089542	0.05315	-0.0003938	0.99323	-0.33525	9.93E-14
1.69E-07	0.296712	6.04E-11	0.391804	1.39E-18	0.33225961	1.69E-13	0.34738	1.09E-14
0.41651	0.593689	8.15E-46	0.402623	1.26E-19	0.33381387	1.28E-13	0.531333	2.21E-35
0.00216	0.523823	2.88E-34	0.515974	3.94E-33	0.16419995	0.00037	0.314739	3.38E-12
0.73109	0.572612	4.89E-42	0.554917	4.53E-39	0.35045776	6.10E-15	0.517223	2.61E-33
0.63455	0.573056	4.09E-42	0.586952	1.41E-44	0.31529811	3.08E-12	0.437172	3.21E-23
0.19703	0.454867	3.16E-25	0.262365	8.63E-09	0.27855528	9.06E-10	0.574512	2.29E-42
0.0134	0.112501	0.015	-0.04133	0.3728	-0.0909592	0.04948	0.212982	3.42E-06
0.29614	0.222664	1.17E-06	0.394543	7.62E-19	0.42623538	4.89E-22	0.632841	1.27E-53
0.58562	0.131416	0.00445	0.100166	0.03045	0.21775743	2.03E-06	0.518745	1.58E-33
0.43846	0.419533	2.47E-21	0.473567	1.77E-27	0.47495838	1.19E-27	0.685533	4.30E-66
0.1306	-0.38436	6.88E-18	-0.35511	2.52E-15	-0.1951139	2.18E-05	-0.35269	4.00E-15
0.88292	0.494608	3.48E-30	0.372408	8.25E-17	0.20050356	1.27E-05	0.350472	6.08E-15
0.01573	0.522645	4.29E-34	0.472362	2.50E-27	0.1963862	1.92E-05	0.388136	3.07E-18
0.6413	0.130938	0.00459	0.106559	0.02127	0.21870754	1.83E-06	0.311478	5.78E-12
0.60967	0.461698	4.93E-26	0.324706	6.29E-13	0.33998018	4.24E-14	0.500935	4.91E-31
0.02501	0.572597	4.91E-42	0.425696	5.58E-22	0.28303256	4.73E-10	0.505792	1.06E-31
0.51716	0.327717	3.74E-13	0.183635	6.56E-05	0.39980255	2.37E-19	0.67226	1.04E-62
3.65E-07	0.242593	1.11E-07	0.021408	0.64448	0.07164705	0.12207	0.230348	4.85E-07
0.63277	0.315713	2.87E-12	0.359238	1.13E-15	0.4644838	2.29E-26	0.723981	5.24E-77
4.42E-13	-0.23047	4.78E-07	-0.20452	8.39E-06	-0.0415779	0.36999	-0.27549	1.40E-09
0.01358	0.298954	4.27E-11	0.213539	3.22E-06	0.13702411	0.00301	0.409303	2.74E-20
0.0349	-0.01578	0.7337	0.346876	1.19E-14	0.232826	3.62E-07	0.203501	9.32E-06
0.18539	0.042324	0.36146	0.148653	0.00127	0.50544421	1.19E-31	0.71746	5.00E-75
0.81269	0.353212	3.62E-15	0.134894	0.00349	0.17346393	0.00017	0.249511	4.65E-08
0.32741	0.220107	1.56E-06	0.120988	0.00887	0.18213074	7.54E-05	0.352611	4.06E-15
0.45146	0.082298	0.07561	0.409445	2.65E-20	0.35960636	1.06E-15	0.30511	1.62E-11
0.49302	0.403201	1.10E-19	0.342839	2.51E-14	0.44880512	1.59E-24	0.625874	3.75E-52

0.16355	0.07208	0.11982	0.148886	0.00125	0.10041918	0.03003	0.339618	4.52E-14
0.00061	0.40332	1.08E-19	0.200691	1.24E-05	0.36126092	7.64E-16	0.549102	3.92E-38
0.46429	0.299959	3.65E-11	0.284773	3.66E-10	0.37717367	3.10E-17	0.631136	2.93E-53
0.16725	0.106571	0.02126	0.351986	4.57E-15	0.42691024	4.15E-22	0.490195	1.33E-29
0.30594	0.10034	0.03016	-0.08277	0.07394	0.05138207	0.2678	-0.15367	0.00086
0.01759	0.427836	3.30E-22	0.12221	0.0082	0.04802661	0.30035	0.244711	8.52E-08
0.65915	0.335982	8.71E-14	-0.04433	0.33913	-0.0963419	0.03741	0.128107	0.00556
0.25099	0.229374	5.43E-07	0.11649	0.01176	0.11661168	0.01167	0.211121	4.18E-06
0.05178	0.451605	7.56E-25	0.297899	5.03E-11	0.35879964	1.24E-15	0.565635	7.59E-41
0.31207	0.500572	5.50E-31	0.281601	5.83E-10	0.2276269	6.65E-07	0.459274	9.58E-26
0.10495	0.14493	0.00169	0.365126	3.57E-16	0.28563189	3.23E-10	0.307425	1.11E-11
0.12613	-0.10791	0.01967	-0.00384	0.934	0.05401383	0.24403	-0.19901	1.47E-05
0.49426	0.392606	1.16E-18	0.521722	5.84E-34	0.1704434	0.00022	0.176343	0.00013
0.50877	0.300996	3.10E-11	0.24961	4.59E-08	0.39746134	4.00E-19	0.644007	4.63E-56
0.03805	0.267522	4.28E-09	0.064577	0.16355	0.03655302	0.43066	0.276808	1.16E-09
0.00426	0.415174	6.96E-21	0.244	9.31E-08	0.27209846	2.27E-09	0.497939	1.25E-30
0.20037	0.534528	7.28E-36	0.207885	5.90E-06	0.13419567	0.00367	0.370145	1.31E-16
0.68183	0.634697	5.07E-54	0.614049	9.72E-50	0.4131977	1.11E-20	0.578159	5.26E-43
0.08541	0.131555	0.0044	0.074268	0.10897	0.38195276	1.14E-17	0.208836	5.34E-06
0.76793	0.404679	7.90E-20	0.400887	1.86E-19	0.52904831	4.86E-35	0.53025	3.22E-35
0.25252	0.249838	4.46E-08	0.37093	1.11E-16	0.55958336	7.78E-40	0.558957	9.87E-40
0.89404	0.194256	2.37E-05	0.572687	4.74E-42	0.75557191	1.83E-87	0.59101	2.55E-45
0.43531	0.050964	0.27172	0.376289	3.72E-17	0.47474167	1.26E-27	0.209189	5.14E-06
0.71955	0.175953	0.00013	0.068853	0.13736	0.37146323	9.99E-17	0.308744	9.01E-12
0.45488	0.06302	0.17396	0.190585	3.39E-05	0.54633679	1.08E-37	0.481485	1.78E-28
0.03559	-0.20472	8.21E-06	0.190702	3.35E-05	0.62215223	2.21E-51	0.577134	7.97E-43
0.01364	0.191391	3.13E-05	0.305143	1.61E-11	0.65212083	6.75E-58	0.674778	2.45E-63
0.11038	0.145553	0.00161	0.388026	3.14E-18	0.54404177	2.47E-37	0.462901	3.54E-26
0.69545	0.21103	4.22E-06	0.243635	9.74E-08	0.46079561	6.32E-26	0.252861	3.02E-08
0.98569	0.18872	4.06E-05	0.375409	4.46E-17	0.69316686	4.01E-68	0.633717	8.23E-54
3.66E-07	-0.23121	4.38E-07	0.137015	0.00301	0.47834122	4.47E-28	0.427109	3.95E-22
0.37888	0.097238	0.03567	0.307934	1.03E-11	0.80979921	#####	0.822056	#####
0.21482	-0.05864	0.20592	0.130568	0.00471	0.69418835	2.12E-68	0.5951	4.45E-46
0.00977	0.364893	3.73E-16	0.359758	1.03E-15	0.65091906	1.27E-57	0.574928	1.94E-42
0.95881	0.055747	0.22921	0.459983	7.90E-26	0.66881545	7.37E-62	0.399554	2.51E-19
0.13037	0.157365	0.00064	0.392432	1.21E-18	0.50727179	6.62E-32	0.51422	7.01E-33
8.22E-07	0.043099	0.35272	0.293983	9.19E-11	0.58577617	2.30E-44	0.599092	7.90E-47
0.64546	0.21072	4.37E-06	0.315319	3.07E-12	0.6463843	1.36E-56	0.634109	6.79E-54
0.80487	0.121379	0.00865	0.438837	2.10E-23	0.64080024	2.38E-55	0.571857	6.60E-42
0.65594	0.229151	5.57E-07	0.334004	1.24E-13	0.73320956	6.60E-80	0.719856	9.51E-76
0.32257	0.010799	0.81596	-0.21723	2.15E-06	-0.6117128	2.83E-49	-0.71544	2.00E-74
0.14986	0.24359	9.80E-08	0.430258	1.82E-22	0.51584887	4.11E-33	0.413474	1.04E-20
0.33942	0.114496	0.01329	0.372402	8.26E-17	0.61853568	1.21E-50	0.350412	6.15E-15
0.24828	-0.02668	0.56518	0.018282	0.69355	0.44321924	6.82E-24	0.251617	3.55E-08
0.60913	-0.0077	0.86813	0.052268	0.25963	0.53589367	4.51E-36	0.515613	4.44E-33

0.68165	0.195811	2.03E-05	0.241855	1.21E-07	0.70747202	4.20E-72	0.745982	3.98E-84
0.50425	0.083157	0.0726	0.157068	0.00066	0.53643913	3.72E-36	0.56569	7.43E-41
0.30614	0.233981	3.15E-07	0.524055	2.67E-34	0.48232332	1.39E-28	0.518804	1.55E-33
0.21935	-0.03897	0.40078	0.149323	0.00121	0.72366108	6.58E-77	0.804443	#####
0.30957	0.022853	0.6223	-0.08025	0.08321	0.47181685	2.91E-27	0.488692	2.10E-29
0.06867	0.374669	5.19E-17	0.354261	2.96E-15	0.71670572	8.39E-75	0.550831	2.07E-38
0.00191	0.270468	2.85E-09	0.163944	0.00037	0.4641187	2.53E-26	0.342731	2.56E-14
0.45036	0.11372	0.01394	0.29159	1.32E-10	0.60917156	8.98E-49	0.378238	2.48E-17
0.08781	0.283075	4.70E-10	0.329882	2.56E-13	0.26331608	7.59E-09	0.028697	0.53618
0.86963	0.296263	6.47E-11	0.333108	1.45E-13	0.6929941	4.47E-68	0.710976	4.09E-73
9.25E-12	-0.12235	0.00812	0.140127	0.00241	0.43816242	2.50E-23	0.505025	1.35E-31
0.01703	0.274623	1.59E-09	0.58095	1.69E-43	0.58709686	1.33E-44	0.505407	1.20E-31
0.00908	0.081571	0.07824	-0.0751	0.10504	-0.5385762	1.75E-36	-0.63791	1.02E-54
0.06921	0.074996	0.10553	0.319863	1.43E-12	0.80824696	#####	0.753705	8.39E-87
0.98372	0.160158	0.00051	0.557013	2.06E-39	0.72924421	1.20E-78	0.701396	2.20E-70
0.38291	0.336106	8.52E-14	0.470097	4.74E-27	0.68094373	6.67E-65	0.62693	2.26E-52
0.02206	0.152284	0.00096	0.352781	3.93E-15	0.77264806	8.25E-94	0.754975	2.98E-87
0.36352	0.210155	4.64E-06	0.587673	1.04E-44	0.69039132	2.23E-67	0.580863	1.75E-43
0.17466	0.313263	4.31E-12	0.381622	1.22E-17	0.67100641	2.13E-62	0.524152	2.58E-34
0.56765	0.233318	3.41E-07	0.334477	1.14E-13	0.73961387	5.43E-82	0.789897	#####
0.53068	0.124758	0.00695	0.262296	8.71E-09	0.54744655	7.18E-38	0.529624	3.99E-35
3.59E-08	0.113184	0.0144	0.317894	2.00E-12	0.38077851	1.46E-17	0.186431	5.04E-05
0.09653	0.057065	0.21837	0.419036	2.78E-21	0.79433871	#####	0.683769	1.24E-65
0.68127	0.172148	0.00019	0.356048	2.10E-15	0.70391708	4.31E-71	0.631023	3.10E-53
0.78343	0.151846	0.001	0.398986	2.85E-19	0.55080989	2.09E-38	0.556634	2.38E-39
0.56231	0.465519	1.71E-26	0.504199	1.76E-31	0.60660875	2.85E-48	0.415547	6.37E-21
0.09147	0.004046	0.93051	0.368874	1.69E-16	0.34633418	1.32E-14	0.265496	5.65E-09
0.0297	-0.20931	5.07E-06	-0.04751	0.30562	0.41221706	1.39E-20	0.232514	3.75E-07
0.11927	0.303458	2.10E-11	0.394239	8.14E-19	0.70721444	4.98E-72	0.548388	5.09E-38
0.59406	0.111189	0.01622	0.450317	1.06E-24	0.41549655	6.45E-21	0.113286	0.01431
0.00118	0.363728	4.70E-16	0.403435	1.05E-19	0.541254	6.74E-37	0.498421	1.07E-30
0.88495	0.073128	0.11452	0.29881	4.36E-11	0.75479316	3.45E-87	0.655802	9.49E-59
0.17555	0.186538	4.99E-05	0.476798	6.99E-28	0.60302532	1.40E-47	0.587207	1.27E-44
0.49725	0.217835	2.01E-06	0.22838	6.09E-07	0.50832294	4.73E-32	0.315886	2.79E-12
0.53458	-0.11575	0.01231	0.279895	7.47E-10	0.50394566	1.91E-31	0.384513	6.65E-18
0.17669	0.309379	8.13E-12	0.386491	4.36E-18	0.71657974	9.15E-75	0.716994	6.89E-75
0.49936	-0.10573	0.0223	-0.36759	2.18E-16	-0.5633121	1.86E-40	-0.59325	9.82E-46
0.63227	0.217727	2.04E-06	0.589761	4.33E-45	0.5509009	2.02E-38	0.558541	1.16E-39
0.4082	0.151443	0.00103	0.269814	3.12E-09	0.65507366	1.40E-58	0.487335	3.15E-29
0.1143	0.063891	0.16808	0.335192	1.00E-13	0.51506618	5.31E-33	0.303652	2.04E-11
0.56002	0.171536	0.0002	0.229913	5.10E-07	0.38823733	3.00E-18	0.377145	3.12E-17
0.64654	0.085392	0.06522	0.292123	1.22E-10	0.56640586	5.62E-41	0.292699	1.12E-10
0.10728	-0.036	0.43761	-0.16052	0.0005	-0.4303438	1.78E-22	-0.47879	3.92E-28
0.01539	-0.14495	0.00169	0.08994	0.05209	0.53439656	7.62E-36	0.578486	4.61E-43
0.02417	0.107987	0.01959	0.096403	0.03729	0.58590959	2.18E-44	0.588783	6.54E-45

0.02442	0.141374	0.0022	0.492493	6.65E-30	0.63853432	7.46E-55	0.445302	3.97E-24
0.05729	0.281902	5.58E-10	0.367794	2.09E-16	0.61290131	1.65E-49	0.339221	4.86E-14
0.2124	-0.05233	0.25906	0.088195	0.05684	0.72292428	1.11E-76	0.706433	8.33E-72
0.31756	0.279931	7.43E-10	0.290867	1.48E-10	0.67352224	5.06E-63	0.73455	2.44E-80
0.89684	0.115049	0.01285	0.305094	1.62E-11	0.50928336	3.47E-32	0.266983	4.61E-09
1.46E-08	-0.05108	0.2706	0.005101	0.91246	0.35373336	3.27E-15	0.23777	2.00E-07
0.1248	0.094304	0.04165	0.124127	0.00724	0.21926413	1.72E-06	-0.05006	0.2803
0.77731	0.221251	1.38E-06	0.323327	7.97E-13	0.62212229	2.25E-51	0.584473	3.95E-44
0.1916	0.052338	0.25899	0.265277	5.82E-09	0.61670604	2.85E-50	0.635471	3.45E-54
0.22019	0.235598	2.60E-07	0.449076	1.48E-24	0.60584201	4.01E-48	0.610973	3.97E-49
0.00101	0.164039	0.00037	0.297938	5.00E-11	0.4129759	1.17E-20	0.222642	1.18E-06
0.09034	-0.03811	0.41125	0.374494	5.38E-17	0.60102103	3.39E-47	0.442756	7.69E-24
0.43306	0.010672	0.81809	0.297982	4.96E-11	0.55282878	9.88E-39	0.530687	2.77E-35
0.3531	0.103699	0.02503	0.366025	2.98E-16	0.65128784	1.05E-57	0.60476	6.50E-48
0.0289	0.198392	1.57E-05	0.408688	3.15E-20	0.64760367	7.22E-57	0.594063	6.94E-46
0.93114	0.387472	3.54E-18	0.519038	1.43E-33	0.67952628	1.54E-64	0.620425	5.00E-51
0.06972	0.081985	0.07674	0.435929	4.40E-23	0.46398956	2.62E-26	0.22883	5.78E-07
0.23716	0.350212	6.38E-15	0.408913	2.99E-20	0.33625589	8.29E-14	0.364076	4.39E-16
0.5041	0.335432	9.61E-14	0.603287	1.25E-47	0.67794624	3.89E-64	0.589161	5.57E-45
0.65949	0.077985	0.09231	0.468549	7.34E-27	0.47532241	1.07E-27	0.456419	2.08E-25
0.32186	0.0916	0.04789	0.339105	4.97E-14	0.50175115	3.80E-31	0.273892	1.76E-09
0.38878	0.27225	2.22E-09	0.468245	8.00E-27	0.51499921	5.43E-33	0.20989	4.77E-06
0.07539	0.037175	0.42285	0.463193	3.27E-26	0.69833111	1.56E-69	0.490572	1.19E-29
0.19244	0.321388	1.11E-12	0.571732	6.93E-42	0.6864945	2.41E-66	0.619921	6.34E-51
0.06736	0.035798	0.44025	-0.13534	0.00338	0.48082034	2.17E-28	0.474873	1.22E-27
0.00029	0.031307	0.49973	0.178001	0.00011	0.71041086	5.97E-73	0.700843	3.14E-70
0.78676	0.279628	7.76E-10	0.536621	3.49E-36	0.67467676	2.60E-63	0.57808	5.44E-43
0.87992	0.32836	3.35E-13	0.489346	1.72E-29	0.66080899	6.30E-60	0.523429	3.29E-34
0.42342	0.426904	4.15E-22	0.557528	1.70E-39	0.57304827	4.11E-42	0.435287	5.17E-23
0.16568	0.020317	0.66145	0.294364	8.67E-11	0.58297617	7.34E-44	0.450061	1.14E-24
0.07836	0.276706	1.18E-09	0.221858	1.29E-06	0.44445058	4.96E-24	0.270365	2.89E-09
0.05826	0.185632	5.44E-05	0.424724	7.07E-22	0.55408523	6.18E-39	0.399225	2.70E-19
0.01082	-0.00225	0.96127	0.308691	9.09E-12	0.67192008	1.27E-62	0.45368	4.35E-25
0.12915	0.003102	0.9467	0.191917	2.98E-05	0.39732124	4.12E-19	0.219475	1.68E-06
3.01E-05	0.114019	0.01369	0.296139	6.60E-11	0.64953388	2.64E-57	0.547928	6.03E-38
0.84183	0.34956	7.22E-15	0.487713	2.82E-29	0.39341592	9.75E-19	0.331591	1.90E-13
0.10928	0.184913	5.82E-05	0.453394	4.69E-25	0.87022057	#####	0.716146	1.23E-74
0.2541	-0.09045	0.05077	0.444289	5.17E-24	0.50636029	8.85E-32	0.471918	2.83E-27
0.03939	-0.12546	0.00663	-0.12209	0.00826	-0.6370307	1.59E-54	-0.61389	1.04E-49
0.35985	0.579852	2.64E-43	0.738277	1.50E-81	0.47236447	2.49E-27	0.316979	2.33E-12
0.00022	0.037422	0.41977	-0.05674	0.22097	-0.5559997	3.02E-39	-0.62785	1.45E-52
0.62659	0.248208	5.49E-08	0.438523	2.28E-23	0.63569894	3.08E-54	0.616731	2.81E-50
0.05008	0.007547	0.87078	0.423152	1.04E-21	0.77675677	2.03E-95	0.750861	8.32E-86
0.41971	-0.04046	0.38305	0.285342	3.37E-10	0.36431905	4.18E-16	0.498003	1.22E-30
0.80663	0.152221	0.00097	0.281999	5.50E-10	0.59817309	1.18E-46	0.563277	1.89E-40

0.09512	0.340049	4.18E-14	0.664588	7.85E-61	0.64051598	2.75E-55	0.623335	1.26E-51
0.00368	0.11781	0.01084	0.192901	2.71E-05	0.35840572	1.33E-15	0.245316	7.90E-08
0.04832	0.109817	0.0176	0.149453	0.0012	0.7209555	4.41E-76	0.801088	#####
0.06165	0.057983	0.21104	0.083383	0.07182	0.73648856	5.75E-81	0.813229	#####
0.07616	0.093265	0.04396	0.147467	0.00139	0.70288145	8.45E-71	0.69185	9.08E-68
0.77514	0.241851	1.22E-07	0.307356	1.13E-11	0.50403437	1.85E-31	0.350513	6.03E-15
0.36481	-0.01622	0.7266	0.212874	3.46E-06	0.70800405	2.96E-72	0.616402	3.28E-50
0.66367	0.2173	2.14E-06	0.421333	1.61E-21	0.70539148	1.65E-71	0.734217	3.13E-80
0.01425	0.05507	0.23492	0.300043	3.60E-11	0.65675314	5.69E-59	0.676288	1.02E-63
0.68731	0.033757	0.46677	0.067139	0.14744	0.41285191	1.20E-20	0.290378	1.59E-10
0.30842	0.149535	0.00119	0.456056	2.29E-25	0.81977264	#####	0.688139	8.87E-67
0.05797	0.308784	8.95E-12	0.264366	6.58E-09	0.56912799	1.94E-41	0.516063	3.83E-33
0.07757	0.141373	0.0022	0.39215	1.29E-18	0.73302306	7.57E-80	0.733159	6.85E-80
0.40116	0.137282	0.00295	0.280449	6.89E-10	0.66395549	1.12E-60	0.651818	7.92E-58
0.04806	0.091569	0.04796	0.40524	6.95E-20	0.55230545	1.20E-38	0.522649	4.28E-34
0.87557	0.063839	0.16843	0.378435	2.39E-17	0.61508786	6.02E-50	0.383696	7.91E-18
0.17318	0.03954	0.39393	-0.04903	0.29038	-0.3754488	4.42E-17	-0.48155	1.75E-28
0.95865	0.095778	0.03855	0.210217	4.61E-06	0.58176639	1.21E-43	0.556793	2.24E-39
0.41835	0.201308	1.17E-05	0.194265	2.37E-05	0.34357262	2.20E-14	0.209362	5.05E-06
0.03627	0.289006	1.95E-10	0.379513	1.91E-17	0.58684512	1.47E-44	0.414807	7.58E-21
0.00019	-0.18057	8.71E-05	0.032715	0.48064	0.55880428	1.05E-39	0.633865	7.66E-54
0.04836	0.070573	0.12778	0.195558	2.08E-05	0.68575043	3.77E-66	0.619275	8.59E-51
0.21712	0.147779	0.00136	0.214882	2.79E-06	0.4032284	1.10E-19	0.222073	1.25E-06
0.00317	-0.01937	0.67638	0.169953	0.00022	0.67734804	5.52E-64	0.591921	1.73E-45
0.51118	0.267814	4.11E-09	0.607361	2.03E-48	0.62744297	1.76E-52	0.623173	1.36E-51
0.01003	0.375	4.85E-17	0.53105	2.44E-35	0.57449014	2.31E-42	0.444203	5.29E-24
0.0049	-0.04133	0.3729	0.338568	5.47E-14	0.52066274	8.33E-34	0.469901	5.01E-27
0.08925	0.033514	0.46998	-0.12444	0.00709	0.2077886	5.96E-06	0.03481	0.45297
0.48219	0.189479	3.77E-05	0.327817	3.68E-13	0.64075063	2.44E-55	0.647109	9.33E-57
0.48252	0.106319	0.02157	0.486193	4.43E-29	0.42817895	3.04E-22	0.364285	4.21E-16
0.86632	-0.13886	0.00264	0.390271	1.93E-18	0.56012078	6.34E-40	0.383855	7.65E-18
3.12E-07	0.031616	0.49551	0.39064	1.79E-18	0.72554269	1.73E-77	0.674814	2.40E-63
0.19296	0.300372	3.42E-11	0.319123	1.63E-12	0.67439872	3.05E-63	0.699615	6.90E-70
0.00929	0.279435	7.98E-10	0.439629	1.72E-23	0.63969771	4.15E-55	0.585924	2.16E-44
0.01259	0.182206	7.49E-05	0.15666	0.00068	0.52260123	4.35E-34	0.525054	1.90E-34
0.01789	0.217747	2.03E-06	0.336432	8.04E-14	0.51468244	6.02E-33	0.3772	3.08E-17
0.39605	0.350474	6.08E-15	0.423503	9.51E-22	0.38881987	2.65E-18	0.346682	1.24E-14
0.05284	0.09001	0.05191	-0.10418	0.02435	-0.6498665	2.21E-57	-0.70747	4.20E-72
0.96529	0.331259	2.01E-13	0.543895	2.61E-37	0.82772188	#####	0.647686	6.92E-57
0.0002	-0.01438	0.75663	-0.08049	0.08229	0.58591607	2.17E-44	0.668887	7.08E-62
0.01831	0.075554	0.10296	0.215882	2.50E-06	0.70936465	1.20E-72	0.636912	1.68E-54
0.89223	0.266752	4.75E-09	0.296518	6.22E-11	0.63206934	1.85E-53	0.432735	9.81E-23
0.55084	0.299266	4.06E-11	0.170107	0.00022	0.40058302	1.99E-19	0.375352	4.51E-17
0.79147	0.319236	1.59E-12	0.51522	5.05E-33	0.55251728	1.11E-38	0.480479	2.40E-28
0.67094	0.316672	2.45E-12	0.446979	2.56E-24	0.72443995	3.79E-77	0.787104	1.25E-99

0.0004	0.2028	1.00E-05	0.300463	3.37E-11	0.68226902	3.04E-65	0.738008	1.83E-81
0.56649	0.203635	9.19E-06	0.545279	1.58E-37	0.53666467	3.44E-36	0.47446	1.37E-27
0.98499	-0.11713	0.0113	0.382856	9.44E-18	0.55932998	8.57E-40	0.507325	6.51E-32
0.75749	0.085413	0.06515	0.271902	2.33E-09	0.70536368	1.68E-71	0.714598	3.55E-74
0.71345	-0.03275	0.48024	0.181313	8.13E-05	0.54320472	3.35E-37	0.422977	1.08E-21
0.5786	0.257388	1.67E-08	0.440309	1.44E-23	0.74936453	2.75E-85	0.753207	1.26E-86
0.50365	-0.15035	0.00112	0.03491	0.45168	0.46393785	2.66E-26	0.508239	4.86E-32
0.01981	0.203132	9.68E-06	0.334198	1.20E-13	0.55101021	1.94E-38	0.489601	1.60E-29
0.25294	0.09237	0.04604	0.503272	2.36E-31	0.76020607	3.91E-89	0.59652	2.41E-46
0.2627	0.060868	0.18916	0.424908	6.76E-22	0.81402006	#####	0.752373	2.47E-86
0.01888	0.444306	5.15E-24	0.454229	3.75E-25	0.43851621	2.28E-23	0.372125	8.74E-17
0.00644	0.300458	3.37E-11	0.306556	1.28E-11	0.67555198	1.57E-63	0.576232	1.15E-42
0.79528	0.184977	5.78E-05	0.342648	2.60E-14	0.65141089	9.82E-58	0.631392	2.58E-53
0.00496	0.057126	0.21787	0.222077	1.25E-06	0.54436149	2.20E-37	0.342274	2.79E-14
0.1815	0.142997	0.00195	0.32385	7.29E-13	0.69963797	6.80E-70	0.673659	4.67E-63
0.76545	0.034849	0.45247	0.231778	4.10E-07	0.62514716	5.32E-52	0.653796	2.77E-58
0.05106	0.085337	0.06539	0.203692	9.14E-06	0.47198481	2.78E-27	0.308787	8.95E-12
0.12254	-0.21524	2.68E-06	-0.061	0.18818	0.4938657	4.37E-30	0.431519	1.33E-22
0.02502	0.195744	2.04E-05	0.122609	0.00799	0.56092981	4.65E-40	0.396757	4.67E-19
0.00243	0.075607	0.10271	0.01478	0.75007	0.69784876	2.12E-69	0.702901	8.34E-71
0.21508	0.447385	2.30E-24	0.606251	3.34E-48	0.68501031	5.89E-66	0.631518	2.43E-53
0.00764	0.095084	0.03998	0.348907	8.16E-15	0.74723705	1.48E-84	0.660657	6.85E-60
0.0013	0.151618	0.00101	0.487768	2.77E-29	0.78411888	2.16E-98	0.748461	5.64E-85
0.64606	0.35076	5.76E-15	0.472354	2.50E-27	0.5715973	7.31E-42	0.552177	1.26E-38
0.52582	0.259703	1.23E-08	0.52484	2.04E-34	0.77547627	6.49E-95	0.613615	1.19E-49
0.00667	0.216968	2.22E-06	0.397154	4.28E-19	0.68819645	8.56E-67	0.694824	1.43E-68
0.25247	0.036051	0.43702	0.15494	0.00078	0.64882095	3.83E-57	0.528443	5.99E-35
0.01471	0.04026	0.38537	0.297394	5.44E-11	0.46367619	2.86E-26	0.246119	7.14E-08
0.15277	0.039708	0.39192	0.249331	4.76E-08	0.42255506	1.20E-21	0.214462	2.92E-06
0.00186	-0.03001	0.51762	0.210715	4.37E-06	0.60472567	6.60E-48	0.384458	6.73E-18
0.72297	0.428965	2.50E-22	0.522045	5.24E-34	0.37249059	8.11E-17	0.315288	3.08E-12
0.32938	0.299228	4.09E-11	0.581834	1.17E-43	0.79188783	#####	0.80357	#####
0.44363	0.170882	0.00021	0.398018	3.53E-19	0.62038182	5.11E-51	0.367214	2.35E-16
0.00084	0.135941	0.00324	0.280816	6.54E-10	0.53093815	2.54E-35	0.494827	3.26E-30
0.04786	0.210014	4.71E-06	0.226975	7.17E-07	0.67519962	1.92E-63	0.609142	9.10E-49
3.18E-05	0.034711	0.45426	0.119641	0.00966	0.53434289	7.77E-36	0.362573	5.91E-16
0.61643	0.397315	4.13E-19	0.650264	1.80E-57	0.780361	7.34E-97	0.562231	2.83E-40
0.74916	0.202131	1.07E-05	0.334227	1.19E-13	0.64756988	7.35E-57	0.581443	1.38E-43
0.00092	-0.03712	0.42359	0.277599	1.04E-09	0.61146182	3.18E-49	0.599531	6.52E-47
0.33728	0.186708	4.91E-05	0.40639	5.35E-20	0.71340486	7.97E-74	0.668205	1.04E-61
0.04274	0.053789	0.246	0.06365	0.16969	0.69284371	4.91E-68	0.593412	9.18E-46
0.31484	0.181753	7.81E-05	0.526058	1.35E-34	0.63843153	7.86E-55	0.573366	3.62E-42
7.22E-17	0.163823	0.00038	0.314349	3.60E-12	0.5016039	3.98E-31	0.545317	1.56E-37
0.19576	-0.01859	0.68858	0.327392	3.96E-13	0.70938057	1.19E-72	0.541432	6.32E-37
0.16619	0.270156	2.97E-09	0.487282	3.20E-29	0.43264597	1.00E-22	0.351557	4.95E-15

0.32405	-0.20626	7.00E-06	0.241948	1.20E-07	0.43324492	8.63E-23	0.351578	4.93E-15
0.96915	0.195214	2.15E-05	0.507374	6.41E-32	0.49638169	2.02E-30	0.65994	1.01E-59
0.32555	-0.04564	0.32508	0.131222	0.00451	0.67743629	5.24E-64	0.510163	2.62E-32
0.01746	0.12497	0.00685	0.331808	1.83E-13	0.49704014	1.65E-30	0.487662	2.86E-29
0.07134	0.109615	0.01781	0.596946	2.01E-46	0.51529267	4.93E-33	0.4024	1.32E-19
0.01572	0.217973	1.98E-06	0.275191	1.47E-09	0.52920569	4.61E-35	0.4925	6.63E-30
0.24124	0.065433	0.15803	0.331795	1.83E-13	0.63855253	7.40E-55	0.573545	3.37E-42
0.00234	0.061204	0.18673	0.339768	4.40E-14	0.53691741	3.15E-36	0.54199	5.18E-37
0.01962	-0.28038	6.96E-10	-0.10494	0.02333	0.45268604	5.67E-25	0.462588	3.86E-26
0.57692	-0.01182	0.79893	0.323176	8.18E-13	0.51702295	2.79E-33	0.320715	1.24E-12
0.00297	0.123128	0.00773	0.239085	1.71E-07	0.57578083	1.38E-42	0.529678	3.92E-35
0.91529	0.190887	3.29E-05	0.379175	2.04E-17	0.71557815	1.82E-74	0.676872	7.28E-64
0.031	0.226397	7.66E-07	0.305396	1.54E-11	0.45857108	1.16E-25	0.22379	1.03E-06
0.08936	0.028534	0.53848	0.184577	6.01E-05	0.45229477	6.29E-25	0.193108	2.65E-05
0.81135	-0.17515	0.00014	0.293323	1.02E-10	0.55486789	4.61E-39	0.4758	9.32E-28
0.1194	0.213727	3.16E-06	0.168759	0.00025	0.3325507	1.60E-13	0.173174	0.00017
0.00987	-0.19222	2.89E-05	-0.06804	0.1421	0.35281177	3.90E-15	0.185644	5.43E-05
0.22992	0.276151	1.28E-09	0.464192	2.48E-26	0.45925262	9.64E-26	0.322261	9.56E-13
0.52194	0.189843	3.64E-05	0.485724	5.10E-29	0.48273252	1.24E-28	0.465052	1.95E-26
0.36065	0.280499	6.84E-10	0.48958	1.61E-29	0.65567498	1.02E-58	0.684507	7.97E-66
0.79221	0.216705	2.28E-06	0.332871	1.52E-13	0.52211114	5.13E-34	0.579414	3.16E-43
0.72301	0.401473	1.63E-19	0.670485	2.87E-62	0.56394046	1.46E-40	0.47894	3.75E-28
0.01754	0.064799	0.1621	0.23982	1.56E-07	0.62149153	3.03E-51	0.464116	2.53E-26
0.21511	0.291346	1.37E-10	0.396439	5.01E-19	0.44408189	5.46E-24	0.481981	1.54E-28
0.01582	-0.06851	0.13936	0.130967	0.00458	0.68640684	2.54E-66	0.598931	8.47E-47
0.14644	0.017702	0.7028	0.205527	7.55E-06	0.59485659	4.94E-46	0.439436	1.80E-23
0.0106	0.212786	3.50E-06	0.324391	6.64E-13	0.33844894	5.59E-14	0.232851	3.61E-07
8.00E-07	0.128364	0.00547	0.289198	1.90E-10	0.55098386	1.96E-38	0.585919	2.17E-44
0.46984	0.059163	0.20188	0.337654	6.45E-14	0.58865428	6.90E-45	0.661825	3.61E-60
0.76542	0.224289	9.76E-07	0.534066	8.56E-36	0.78528909	7.09E-99	0.61532	5.41E-50
0.73085	0.066216	0.1531	0.331488	1.93E-13	0.41791361	3.64E-21	0.212408	3.64E-06
0.035	0.068034	0.14211	0.480241	2.57E-28	0.53615191	4.12E-36	0.516974	2.84E-33
0.90404	0.112434	0.01506	0.371516	9.88E-17	0.77824901	5.17E-96	0.704294	3.38E-71
0.24685	-0.07943	0.0864	0.435376	5.06E-23	0.69202815	8.14E-68	0.575864	1.33E-42
0.73102	0.280568	6.78E-10	0.647692	6.89E-57	0.60338714	1.20E-47	0.55168	1.51E-38
0.58933	-0.19295	2.69E-05	0.062002	0.18104	0.42841019	2.87E-22	0.279465	7.95E-10
0.02381	0.15927	0.00055	0.349605	7.16E-15	0.43426144	6.69E-23	0.175198	0.00014
0.83622	0.204255	8.62E-06	0.048896	0.29167	0.34649884	1.28E-14	0.209174	5.15E-06
0.21914	0.354668	2.74E-15	0.495603	2.57E-30	0.55599732	3.02E-39	0.546706	9.41E-38
0.52905	0.092737	0.04518	0.537597	2.47E-36	0.63231076	1.65E-53	0.516946	2.86E-33
0.24297	0.25146	3.62E-08	0.477654	5.45E-28	0.69196345	8.47E-68	0.57227	5.60E-42
6.24E-05	0.413354	1.07E-20	0.444488	4.91E-24	0.65505299	1.42E-58	0.596	3.02E-46
0.07261	0.188163	4.28E-05	0.409806	2.44E-20	0.80655778	#####	0.699941	5.60E-70
0.34297	0.277534	1.05E-09	0.372185	8.63E-17	0.60656178	2.91E-48	0.478787	3.92E-28
0.03587	0.343714	2.14E-14	0.461021	5.94E-26	0.80096851	#####	0.774702	1.31E-94



0.0371	0.394058	8.47E-19	0.413761	9.70E-21	0.56164076	3.55E-40	0.498347	1.10E-30
0.96626	0.207839	5.93E-06	0.192419	2.84E-05	0.46338262	3.10E-26	0.28297	4.77E-10
0.10891	0.286908	2.67E-10	0.429478	2.20E-22	0.66002228	9.68E-60	0.460258	7.32E-26
2.94E-06	0.248699	5.16E-08	0.349833	6.86E-15	0.61908825	9.37E-51	0.690363	2.27E-67
0.74134	0.47582	9.26E-28	0.810636	#####	0.74253467	5.80E-83	0.647716	6.81E-57
0.21728	0.123077	0.00775	0.42976	2.05E-22	0.76662067	1.65E-91	0.614996	6.28E-50
0.28399	0.417446	4.06E-21	0.689979	2.88E-67	0.50783702	5.53E-32	0.482252	1.42E-28
0.09726	0.123893	0.00735	0.210225	4.60E-06	0.689163	4.74E-67	0.5092	3.57E-32
0.36799	0.18285	7.06E-05	0.432309	1.09E-22	0.89170707	#####	0.859165	#####
0.24991	-0.04509	0.33096	0.350812	5.70E-15	0.61233625	2.13E-49	0.430383	1.76E-22
0.11746	0.471157	3.51E-27	0.51064	2.24E-32	0.53847409	1.81E-36	0.514133	7.21E-33
0.08595	0.059967	0.19581	0.268354	3.81E-09	0.49150264	8.98E-30	0.563486	1.74E-40
0.31127	0.07145	0.1231	0.110931	0.01647	0.58250542	8.91E-44	0.366052	2.97E-16
0.00505	0.160009	0.00052	0.411686	1.57E-20	0.70627609	9.23E-72	0.711701	2.51E-73
0.66715	0.379672	1.84E-17	0.517348	2.51E-33	0.72547714	1.81E-77	0.725409	1.90E-77
0.18205	0.064403	0.16469	0.178908	0.0001	0.48717391	3.31E-29	0.414567	8.02E-21
0.38157	0.211561	3.99E-06	0.635571	3.29E-54	0.62107507	3.68E-51	0.423145	1.04E-21
0.58306	0.150179	0.00113	0.387054	3.87E-18	0.57252908	5.05E-42	0.478472	4.30E-28
0.03826	0.221763	1.30E-06	0.670317	3.15E-62	0.56181667	3.31E-40	0.414208	8.73E-21
0.27435	0.169781	0.00023	0.373634	6.42E-17	0.79065424	#####	0.675395	1.72E-63
0.02986	-0.20931	5.07E-06	-0.05911	0.20226	0.46339383	3.09E-26	0.374328	5.57E-17
0.80159	0.052264	0.25967	0.306807	1.23E-11	0.72468721	3.18E-77	0.639123	5.55E-55
0.49443	0.272913	2.02E-09	0.456392	2.10E-25	0.83786843	#####	0.688845	5.76E-67
0.90402	0.517543	2.35E-33	0.510964	2.02E-32	0.52575203	1.50E-34	0.424329	7.78E-22
0.88572	0.122549	0.00802	0.456697	1.93E-25	0.64090985	2.25E-55	0.530382	3.07E-35
0.46043	0.329801	2.60E-13	0.463981	2.63E-26	0.67419736	3.43E-63	0.819431	#####
0.02176	0.012011	0.79573	0.31097	6.28E-12	0.53055829	2.89E-35	0.462903	3.54E-26
0.02226	0.201521	1.14E-05	0.333508	1.35E-13	0.62598623	3.56E-52	0.714026	5.23E-74
0.10756	-0.04529	0.32875	0.0513	0.26857	0.50438114	1.66E-31	0.284442	3.85E-10
0.21905	0.263507	7.40E-09	0.489787	1.51E-29	0.63580592	2.92E-54	0.617709	1.79E-50
0.03741	0.15047	0.00111	0.369843	1.39E-16	0.8131422	#####	0.67744	5.23E-64
0.00184	0.159777	0.00053	0.543842	2.66E-37	0.61266189	1.84E-49	0.532704	1.38E-35
0.14261	0.174832	0.00015	0.327837	3.66E-13	0.52125444	6.84E-34	0.474041	1.54E-27
0.78964	0.272575	2.12E-09	0.477115	6.38E-28	0.82630148	#####	0.705111	1.98E-71
0.25871	0.298235	4.77E-11	0.560016	6.60E-40	0.82015242	#####	0.713007	1.04E-73
0.13436	0.244788	8.44E-08	0.201902	1.10E-05	0.61916445	9.04E-51	0.541121	7.07E-37
0.00179	0.208312	5.64E-06	0.426581	4.49E-22	0.63955838	4.46E-55	0.465375	1.78E-26
0.59746	0.111598	0.01583	0.326936	4.28E-13	0.68186346	3.87E-65	0.496263	2.10E-30
0.00279	0.390926	1.68E-18	0.440376	1.42E-23	0.72492139	2.69E-77	0.656019	8.45E-59
0.00098	0.010765	0.81653	0.123042	0.00777	0.56931719	1.80E-41	0.352478	4.16E-15
0.79063	0.103583	0.02519	0.328896	3.05E-13	0.43187897	1.21E-22	0.116444	0.0118
0.00275	0.232274	3.86E-07	0.325607	5.39E-13	0.45330034	4.81E-25	0.494513	3.59E-30
4.07E-05	-0.07202	0.12013	0.098923	0.03258	0.49312926	5.48E-30	0.508209	4.90E-32
0.04244	0.16986	0.00023	0.400621	1.98E-19	0.86704861	#####	0.881419	#####
4.28E-12	0.039364	0.39604	0.334223	1.19E-13	0.6355531	3.31E-54	0.527908	7.19E-35

0.74574	0.297519	5.33E-11	0.243351	1.01E-07	0.59429469	6.29E-46	0.576251	1.14E-42
0.02912	0.158151	0.0006	0.449807	1.22E-24	0.5657252	7.33E-41	0.363403	5.02E-16
0.62046	0.153589	0.00087	0.159756	0.00053	0.4076284	4.03E-20	0.130749	0.00465
0.14446	0.007147	0.87758	0.057724	0.21309	0.62208588	2.28E-51	0.52451	2.29E-34
0.21093	0.229333	5.46E-07	0.399905	2.32E-19	0.65329562	3.62E-58	0.55474	4.84E-39
0.7083	0.2286	5.94E-07	0.558178	1.33E-39	0.81347537	#####	0.745895	4.26E-84
0.90782	-0.039	0.40048	0.288743	2.03E-10	0.62779227	1.49E-52	0.408662	3.17E-20
0.67023	-0.1804	8.84E-05	0.260015	1.18E-08	0.59272653	1.23E-45	0.572454	5.20E-42
0.01891	0.401155	1.75E-19	0.434251	6.71E-23	0.05601115	0.227	-0.02493	0.59096
0.00412	0.155481	0.00075	0.21399	3.07E-06	0.48001352	2.75E-28	0.500497	5.63E-31
0.01588	0.137789	0.00285	0.233044	3.53E-07	0.80431281	#####	0.760891	2.20E-89
0.09338	-0.0571	0.21804	0.290746	1.50E-10	0.81161389	#####	0.810194	#####
0.14351	0.069666	0.13277	0.170045	0.00022	0.54755383	6.91E-38	0.530879	2.59E-35
0.27826	0.394435	7.80E-19	0.518705	1.60E-33	0.79285639	#####	0.686557	2.32E-66
0.30877	0.223816	1.03E-06	0.508218	4.89E-32	0.45037372	1.05E-24	0.491653	8.58E-30
0.03264	0.214764	2.82E-06	0.268333	3.83E-09	0.54989021	2.93E-38	0.569951	1.40E-41
0.01969	0.288372	2.15E-10	0.169714	0.00023	0.52343553	3.29E-34	0.516782	3.02E-33
0.13315	0.123865	0.00736	0.486863	3.63E-29	0.83414838	#####	0.717899	3.69E-75
0.66691	0.131568	0.0044	0.202116	1.07E-05	0.78635481	2.56E-99	0.819052	#####
0.98091	0.325427	5.56E-13	0.39062	1.79E-18	0.5777604	6.19E-43	0.44624	3.11E-24
0.00888	-0.05015	0.27943	0.302639	2.39E-11	0.6046525	6.82E-48	0.526331	1.23E-34
9.00E-07	0.242647	1.10E-07	0.483719	9.24E-29	0.59329309	9.65E-46	0.615435	5.13E-50
0.00194	0.023514	0.61227	0.046116	0.32002	0.638701	6.86E-55	0.60291	1.48E-47
0.15395	0.152428	0.00095	0.333378	1.39E-13	0.66624683	3.12E-61	0.599759	5.90E-47
0.02695	0.203052	9.76E-06	0.104463	0.02397	0.37740253	2.96E-17	0.113696	0.01396
0.09741	-0.08771	0.05824	0.342844	2.51E-14	0.60825183	1.36E-48	0.497363	1.49E-30
0.53203	0.54603	1.20E-37	0.541283	6.67E-37	0.44229925	8.65E-24	0.474846	1.23E-27
4.81E-06	-0.1035	0.02531	0.119091	0.01	0.61858356	1.19E-50	0.638362	8.14E-55
0.08745	0.231679	4.14E-07	0.253952	2.63E-08	0.35654267	1.91E-15	0.173663	0.00016
0.01112	0.22732	6.89E-07	0.461827	4.76E-26	0.79270005	#####	0.659896	1.04E-59
0.00514	-0.05359	0.24778	0.086195	0.06272	0.46584083	1.57E-26	0.26714	4.51E-09
0.63925	0.071496	0.12286	0.328864	3.06E-13	0.706804	6.53E-72	0.512054	1.42E-32
0.49326	0.269759	3.14E-09	0.588357	7.82E-45	0.74007742	3.81E-82	0.684979	6.01E-66
0.60833	0.15205	0.00098	0.618519	1.22E-50	0.62890372	8.70E-53	0.505605	1.13E-31
0.00207	0.02862	0.53726	-0.0637	0.16935	0.2066613	6.71E-06	0.260144	1.16E-08
0.41209	0.187279	4.65E-05	0.590576	3.07E-45	0.50057612	5.49E-31	0.42807	3.12E-22
0.5855	0.219206	1.73E-06	0.492868	5.93E-30	0.43729262	3.11E-23	0.358994	1.19E-15
0.18305	-0.1023	0.02706	0.424717	7.08E-22	0.46655268	1.28E-26	0.35981	1.01E-15
0.96284	0.028959	0.53245	0.288563	2.09E-10	0.57097517	9.35E-42	0.498627	1.01E-30
0.03996	0.326583	4.55E-13	0.553883	6.67E-39	0.50599388	9.95E-32	0.325523	5.47E-13
0.41967	-0.03234	0.4857	0.308408	9.51E-12	0.46423916	2.45E-26	0.360735	8.47E-16
0.00904	0.067388	0.14594	0.134529	0.00358	0.57786722	5.92E-43	0.444524	4.86E-24
0.00072	-0.09844	0.03344	0.075484	0.10327	0.53489881	6.39E-36	0.563755	1.57E-40
0.9362	0.254361	2.49E-08	0.30188	2.70E-11	0.40632368	5.43E-20	0.521036	7.35E-34
0.80764	0.292571	1.14E-10	0.551996	1.35E-38	0.53733663	2.71E-36	0.529383	4.34E-35

4.50E-05	0.168316	0.00026	0.21505	2.73E-06	0.36166438	7.06E-16	0.22646	7.61E-07
0.17829	0.177732	0.00011	0.196474	1.90E-05	0.56083995	4.82E-40	0.498222	1.14E-30
0.5245	0.253016	2.96E-08	0.435833	4.51E-23	0.61239739	2.07E-49	0.379684	1.84E-17
0.25345	0.222851	1.15E-06	0.27095	2.66E-09	0.50581158	1.05E-31	0.597185	1.81E-46
0.45421	0.309631	7.80E-12	0.546879	8.84E-38	0.5885111	7.33E-45	0.399932	2.31E-19
0.507	0.169693	0.00023	0.324226	6.83E-13	0.44060942	1.34E-23	0.212775	3.50E-06
0.00149	0.1971	1.79E-05	0.488256	2.39E-29	0.74036993	3.05E-82	0.684838	6.54E-66
0.9848	0.189718	3.68E-05	0.140376	0.00236	0.30886592	8.83E-12	0.094143	0.042
0.5058	0.047686	0.30379	0.081029	0.08025	0.60820852	1.39E-48	0.623758	1.03E-51
0.58012	0.420789	1.83E-21	0.505712	1.09E-31	0.65670633	5.84E-59	0.638398	7.99E-55
0.05548	-0.04243	0.36022	0.047773	0.30291	0.41005223	2.30E-20	0.224495	9.53E-07
0.40486	-0.06811	0.14165	0.213352	3.29E-06	0.45921704	9.73E-26	0.456334	2.13E-25
0.96524	0.179938	9.23E-05	0.511424	1.74E-32	0.48078329	2.19E-28	0.461106	5.80E-26
0.54133	-0.15055	0.0011	0.08961	0.05297	0.59354697	8.66E-46	0.627025	2.16E-52
0.20345	0.133327	0.0039	0.476902	6.78E-28	0.72370831	6.36E-77	0.501672	3.90E-31
0.02331	0.138184	0.00277	0.412319	1.36E-20	0.70700203	5.73E-72	0.649482	2.71E-57
0.05114	-0.06423	0.16581	-0.0165	0.72214	-0.4741009	1.52E-27	-0.5486	4.71E-38
0.65436	0.389069	2.51E-18	0.524139	2.59E-34	0.76920314	1.74E-92	0.787082	1.27E-99
0.40041	0.11164	0.01579	0.176111	0.00013	0.37619922	3.79E-17	0.27479	1.55E-09
0.27334	-0.09906	0.03234	0.420302	2.06E-21	0.53935456	1.33E-36	0.253498	2.78E-08
0.84874	0.314261	3.66E-12	0.439426	1.81E-23	0.69272633	5.28E-68	0.576271	1.13E-42
0.96922	-0.01516	0.74385	0.156891	0.00067	0.59869442	9.39E-47	0.594158	6.67E-46
0.09868	0.016483	0.72239	-0.04112	0.37527	-0.4346547	6.06E-23	-0.53919	1.41E-36
0.8372	0.02148	0.64337	0.424428	7.60E-22	0.56418669	1.33E-40	0.389133	2.47E-18
0.00071	0.047792	0.30272	0.323036	8.37E-13	0.69975076	6.33E-70	0.480452	2.41E-28
0.45432	-0.16613	0.00031	0.303761	2.00E-11	0.59032948	3.40E-45	0.338784	5.26E-14
2.88E-05	-0.14074	0.0023	0.005034	0.9136	0.51746754	2.41E-33	0.418681	3.03E-21
0.84483	-0.1693	0.00024	0.269848	3.10E-09	0.5298968	3.63E-35	0.405586	6.42E-20
0.16142	0.042382	0.3608	0.450669	9.70E-25	0.67579444	1.36E-63	0.643318	6.59E-56
0.31824	0.282146	5.39E-10	0.377583	2.85E-17	0.42142058	1.57E-21	0.203091	9.72E-06
0.01933	0.398458	3.20E-19	0.35901	1.19E-15	0.62299651	1.48E-51	0.723775	6.06E-77
0.01814	0.093863	0.04262	0.063874	0.16819	0.62454451	7.09E-52	0.513385	9.20E-33
0.07214	0.016509	0.72196	0.327276	4.04E-13	0.78529265	7.07E-99	0.656964	5.08E-59
2.50E-05	-0.05821	0.20927	0.046073	0.32047	0.59408358	6.88E-46	0.633416	9.56E-54
0.0374	-0.03082	0.50644	-0.01823	0.69437	0.39410537	8.38E-19	0.168632	0.00025
0.57833	0.223202	1.10E-06	0.39786	3.66E-19	0.71793733	3.59E-75	0.672583	8.67E-63
0.12611	0.447244	2.39E-24	0.60533	5.04E-48	0.74039623	2.99E-82	0.623208	1.34E-51
0.01122	-0.15371	0.00086	0.208915	5.29E-06	0.68130548	5.38E-65	0.531653	1.98E-35
0.67758	0.234576	2.94E-07	0.363727	4.70E-16	0.80379057	#####	0.752819	1.72E-86
0.00026	0.163069	0.0004	0.217985	1.98E-06	0.43476955	5.89E-23	0.407383	4.26E-20
0.76268	-0.04097	0.37706	0.164082	0.00037	0.35109294	5.41E-15	0.196335	1.93E-05
0.99413	0.104335	0.02414	0.308566	9.27E-12	0.65996974	9.96E-60	0.571036	9.13E-42
0.02243	0.191903	2.98E-05	0.317702	2.06E-12	0.59581544	3.27E-46	0.487042	3.44E-29
0.0021	0.266496	4.92E-09	0.48663	3.89E-29	0.7488811	4.04E-85	0.506341	8.91E-32
5.04E-11	0.137067	0.003	0.263108	7.81E-09	0.68732376	1.46E-66	0.579732	2.78E-43

0.00014	0.309676	7.75E-12	0.279119	8.35E-10	0.48601403	4.68E-29	0.33852	5.52E-14
0.22004	0.338418	5.62E-14	0.462207	4.29E-26	0.56654116	5.34E-41	0.549128	3.88E-38
0.76886	0.181297	8.15E-05	0.42698	4.08E-22	0.57289625	4.36E-42	0.262704	8.24E-09
4.53E-07	-0.10061	0.02971	0.048906	0.29157	0.60946516	7.87E-49	0.469239	6.04E-27
0.3747	-0.0972	0.03574	0.009343	0.84041	0.61158505	3.00E-49	0.575423	1.59E-42
0.08681	-0.06269	0.17621	-0.16331	0.00039	0.07027489	0.1294	0.182549	7.26E-05
0.00985	0.012222	0.79222	-0.07525	0.10434	0.13460121	0.00357	0.285837	3.13E-10
6.47E-05	-0.15809	0.00061	-0.09769	0.03482	0.22883266	5.78E-07	0.229092	5.61E-07
0.00045	-0.30434	1.83E-11	-0.15261	0.00094	0.05359292	0.24773	0.004095	0.92967
0.00031	-0.15899	0.00056	-0.00693	0.88131	0.25491233	2.32E-08	0.288894	1.99E-10
1.43E-08	-0.19245	2.83E-05	-0.06877	0.13784	0.34501388	1.68E-14	0.485476	5.49E-29
3.51E-13	-0.19653	1.89E-05	-0.20654	6.79E-06	-0.0437355	0.34565	-0.10877	0.01871
0.1856	0.078694	0.08938	0.09686	0.0364	0.13279229	0.00404	0.173004	0.00017
5.91E-05	-0.36063	8.65E-16	-0.2265	7.57E-07	0.02589048	0.57678	-0.03933	0.39644
4.47E-09	-0.3381	5.95E-14	-0.20905	5.21E-06	0.21021186	4.61E-06	0.310552	6.72E-12
8.28E-27	-0.05108	0.2706	0.005748	0.9014	0.19307528	2.66E-05	0.215066	2.73E-06
0.11998	0.133596	0.00382	0.000508	0.99127	0.07959379	0.08577	0.21077	4.34E-06
0.00333	-0.31969	1.48E-12	-0.17118	0.0002	0.21628556	2.39E-06	0.294125	8.99E-11
1.22E-09	-0.1419	0.00211	-0.07927	0.08704	0.22581675	8.19E-07	0.164285	0.00036
1.14E-09	-0.15535	0.00076	-0.00941	0.83921	0.26761094	4.23E-09	0.284377	3.88E-10
1.73E-05	-0.16605	0.00031	-0.03571	0.44133	0.29309784	1.05E-10	0.344676	1.79E-14
0.0005	0.112969	0.01458	-0.01833	0.69276	0.28254006	5.08E-10	0.389649	2.21E-18
0.01039	-0.01673	0.71833	-0.00961	0.83587	0.28311844	4.67E-10	0.269084	3.45E-09
3.10E-10	-0.22508	8.91E-07	-0.1636	0.00039	0.15184959	0.001	0.194982	2.20E-05
2.96E-05	0.003907	0.93289	-0.07022	0.1297	0.15486193	0.00079	0.294047	9.10E-11
0.06803	-0.30686	1.22E-11	-0.19155	3.09E-05	0.1098064	0.01761	0.0382	0.41016
0.00289	-0.36944	1.51E-16	-0.16216	0.00043	0.13647422	0.00312	0.007013	0.87986
8.23E-07	-0.24424	9.04E-08	-0.13884	0.00264	0.23496348	2.81E-07	0.30886	8.84E-12
3.30E-08	0.059924	0.19613	-0.01287	0.78141	0.11787654	0.01079	0.231666	4.15E-07
1.92E-18	-0.16848	0.00025	-0.18604	5.23E-05	0.05850039	0.20699	0.149339	0.00121
1.54E-20	-0.24203	1.19E-07	-0.06899	0.13656	0.1302343	0.00482	0.175456	0.00014
2.67E-17	-0.4493	1.39E-24	-0.30752	1.10E-11	-0.0274856	0.55352	-0.02835	0.54107
9.03E-40	-0.06008	0.19496	-0.05464	0.23863	0.15261532	0.00094	0.273021	1.99E-09
1.34E-08	0.011675	0.80133	0.030884	0.50555	0.30241627	2.48E-11	0.420859	1.80E-21
0.00893	-0.21873	1.82E-06	-0.14645	0.00151	0.12961276	0.00503	0.279893	7.47E-10
6.36E-10	-0.30362	2.05E-11	-0.13477	0.00352	0.25207408	3.35E-08	0.350987	5.52E-15
3.03E-09	-0.06808	0.14182	0.043619	0.34695	0.32154028	1.08E-12	0.377788	2.73E-17
0.00317	-0.11081	0.01659	-0.01691	0.71556	0.33667747	7.69E-14	0.347832	9.98E-15
1.79E-10	0.002803	0.95183	0.069117	0.13585	0.17390294	0.00016	0.280077	7.27E-10
1.44E-11	-0.11861	0.0103	-0.1927	2.76E-05	0.07198249	0.12033	0.229938	5.08E-07
0.00011	-0.46189	4.68E-26	-0.2081	5.77E-06	0.02788085	0.54783	-0.04416	0.34102
1.09E-08	-0.04398	0.34292	-0.03124	0.5007	0.2106426	4.40E-06	0.266317	5.05E-09
6.52E-17	0.059866	0.19656	0.097718	0.03476	0.24659653	6.73E-08	0.211165	4.16E-06
0.00045	-0.25035	4.18E-08	-0.15011	0.00114	0.11912879	0.00998	0.239362	1.65E-07
0.00864	-0.02417	0.60236	-0.05014	0.27961	0.0365289	0.43096	-0.03929	0.39691

2.90E-12	-0.00133	0.97718	0.295387	7.41E-11	0.46257244	3.88E-26	0.382123	1.10E-17
7.58E-23	-0.28925	1.88E-10	-0.13991	0.00244	0.12783268	0.00567	0.155224	0.00076
4.33E-22	-0.0889	0.05488	0.015091	0.74499	0.12743793	0.00582	0.181918	7.69E-05
0.08154	-0.36803	2.00E-16	-0.24984	4.46E-08	-0.0201147	0.66461	-0.05221	0.26015
1.21E-08	-0.25597	2.02E-08	-0.07674	0.09765	0.39165131	1.43E-18	0.446676	2.78E-24
0.0046	-0.11294	0.01461	0.032335	0.48575	0.39343228	9.72E-19	0.397884	3.64E-19
7.58E-08	0.09514	0.03986	-0.02438	0.59916	0.00749019	0.87175	0.061601	0.18388
5.46E-08	-0.22821	6.22E-07	-0.1036	0.02516	0.16125031	0.00047	0.13932	0.00255
0.00189	-0.02084	0.65335	-0.08895	0.05475	-0.0030395	0.94777	0.062447	0.17792
0.26497	-0.48642	4.15E-29	-0.26305	7.87E-09	0.09084431	0.04977	0.099197	0.0321
1.15E-05	-0.19292	2.70E-05	-0.14861	0.00128	-0.1026801	0.0265	-0.16642	0.0003
0.00578	-0.09949	0.03159	-0.01847	0.69058	0.20047097	1.27E-05	0.195382	2.12E-05
5.20E-07	-0.40855	3.26E-20	-0.22166	1.31E-06	0.27108904	2.61E-09	0.284902	3.59E-10
1.25E-15	-0.39198	1.33E-18	-0.30327	2.17E-11	0.02035783	0.6608	0.057105	0.21804
3.17E-22	-0.23693	2.22E-07	-0.2206	1.48E-06	0.16446716	0.00036	0.300388	3.41E-11
0.00416	0.045222	0.32949	0.092614	0.04546	0.2735185	1.86E-09	0.301704	2.77E-11
7.77E-06	-0.19208	2.93E-05	-0.06565	0.15666	0.18506021	5.74E-05	0.243782	9.57E-08
4.82E-33	-0.19335	2.59E-05	-0.19374	2.49E-05	0.03739374	0.42013	0.114569	0.01323
3.19E-08	-0.44454	4.85E-24	-0.16994	0.00022	0.12760005	0.00576	0.043595	0.34721
9.50E-07	-0.21664	2.30E-06	-0.14618	0.00154	0.06030439	0.1933	0.089737	0.05263
6.08E-08	0.04342	0.34915	0.056075	0.22647	0.24567632	7.55E-08	0.343004	2.44E-14
0.00796	-0.36249	6.00E-16	-0.13127	0.00449	0.16082495	0.00049	0.111006	0.0164
1.09E-20	-0.0528	0.25482	0.075714	0.10223	0.16565677	0.00032	0.174478	0.00015
0.03572	-0.2971	5.69E-11	-0.11939	0.00981	0.29669428	6.06E-11	0.387905	3.22E-18
0.00069	-0.23351	3.34E-07	-0.13783	0.00284	0.15443938	0.00081	0.208952	5.27E-06
0.38218	-0.00358	0.93845	-0.07294	0.11548	-0.0997818	0.03109	-0.12173	0.00846
1.74E-05	-0.07372	0.1116	0.05931	0.20076	0.31767255	2.07E-12	0.365246	3.48E-16
8.85E-07	0.015183	0.74347	-0.10445	0.02398	0.13774741	0.00285	0.266453	4.95E-09
0.00147	-0.25835	1.48E-08	-0.14729	0.00141	0.20605464	7.15E-06	0.331242	2.02E-13
0.52951	-0.27739	1.07E-09	-0.16426	0.00036	0.07522421	0.10447	0.106322	0.02156
1.95E-15	-0.13377	0.00378	-0.14347	0.00188	0.1980307	1.63E-05	0.365334	3.42E-16
4.58E-06	-0.26241	8.57E-09	-0.22986	5.13E-07	0.1663058	0.00031	0.180367	8.87E-05
0.52336	-0.36336	5.06E-16	-0.09889	0.03264	-0.076494	0.09873	-0.20713	6.39E-06
0.05134	-0.02771	0.55033	0.015079	0.74517	-0.1682886	0.00026	-0.27422	1.68E-09
0.0257	0.047869	0.30194	0.075406	0.10364	0.09427579	0.04171	-0.0486	0.29458
0.0438	0.053813	0.24579	0.03842	0.40748	-0.1402965	0.00238	-0.10064	0.02967
0.16403	-0.04602	0.32098	0.033655	0.46812	-0.090862	0.04972	-0.1052	0.02299
0.21072	-0.08749	0.05887	0.028624	0.53721	-0.3018056	2.73E-11	-0.2781	9.68E-10
0.00582	0.118786	0.01019	0.048429	0.29632	-0.014978	0.74683	-0.05337	0.24973
0.06691	0.018759	0.68597	0.13343	0.00387	0.20798745	5.84E-06	0.150072	0.00114
0.00561	-0.18482	5.87E-05	0.117918	0.01076	0.14191177	0.00211	0.121426	0.00862
0.09179	-0.20628	6.99E-06	-0.14016	0.0024	-0.2119738	3.82E-06	-0.21872	1.83E-06
0.02546	-0.16362	0.00038	-0.04566	0.32479	-0.1764569	0.00013	-0.29912	4.16E-11
0.00254	0.177168	0.00012	0.064949	0.16113	-0.3884732	2.85E-18	-0.43048	1.72E-22
0.30952	-0.04573	0.32408	-0.10924	0.0182	-0.2044351	8.46E-06	-0.22988	5.12E-07

0.12152	0.025628	0.58065	-0.01831	0.69305	-0.1280474	0.00559	-0.11414	0.01358
0.038	0.092554	0.0456	0.102424	0.02688	-0.1480787	0.00133	-0.31399	3.83E-12
0.00025	0.107694	0.01992	0.024445	0.59825	-0.2133553	3.29E-06	-0.34696	1.17E-14
0.01285	0.243858	9.48E-08	0.285305	3.39E-10	0.08835685	0.05639	-0.11573	0.01233
0.00015	-0.21449	2.91E-06	-0.22525	8.74E-07	-0.2363122	2.39E-07	-0.27549	1.40E-09
0.84572	0.008063	0.86204	-0.12162	0.00851	-0.2393927	1.64E-07	-0.29642	6.31E-11
0.09662	0.041508	0.3708	0.008815	0.84932	-0.1679165	0.00027	-0.10915	0.0183
7.14E-06	0.151654	0.00101	0.068716	0.13814	-0.1975852	1.70E-05	-0.13339	0.00388
0.02709	-0.23133	4.32E-07	-0.21403	3.05E-06	0.01007227	0.82814	-0.06235	0.17862
0.0016	0.008351	0.85716	-0.0115	0.80432	-0.2623374	8.66E-09	-0.33985	4.34E-14
0.02131	-0.15509	0.00077	-0.16914	0.00024	-0.3135091	4.14E-12	-0.28928	1.87E-10
0.46661	-0.24912	4.89E-08	-0.17609	0.00013	-0.3166043	2.48E-12	-0.29676	6.00E-11
0.25907	0.007547	0.87079	0.106625	0.02119	-0.2134728	3.25E-06	-0.29033	1.60E-10
0.89381	0.036685	0.429	0.159801	0.00053	-0.0452287	0.32942	-0.15232	0.00096
0.97883	0.029208	0.52894	0.190667	3.36E-05	0.09066324	0.05023	-0.04613	0.31988
0.07309	0.077826	0.09298	-0.02583	0.57764	-0.280289	7.05E-10	-0.34401	2.03E-14
0.6566	-0.33318	1.43E-13	-0.15245	0.00095	-0.015637	0.73609	-0.04442	0.33817
0.00227	-0.17505	0.00014	-0.13858	0.00269	0.0298849	0.51943	0.0197	0.67111
0.19412	-0.17505	0.00014	-0.12047	0.00916	0.00393325	0.93244	-0.02779	0.54911
2.86E-05	0.229082	5.62E-07	0.232858	3.60E-07	-0.1144203	0.01336	-0.25924	1.31E-08
1.97E-05	0.003946	0.93222	0.028966	0.53236	0.00329453	0.94339	-0.09362	0.04315
0.06463	-0.22512	8.87E-07	-0.22096	1.42E-06	-0.3938772	8.82E-19	-0.39252	1.19E-18
0.00095	0.015452	0.7391	0.120698	0.00903	-0.0272679	0.55667	-0.20059	1.26E-05
0.02165	-0.09644	0.03722	0.037638	0.4171	-0.0438379	0.34453	-0.01057	0.81982
0.00344	-0.10969	0.01773	-0.13803	0.0028	-0.4621502	4.36E-26	-0.56581	7.11E-41
0.09949	0.048487	0.29574	0.025018	0.58969	-0.104038	0.02455	-0.12156	0.00855
0.96351	0.226321	7.73E-07	0.146531	0.0015	-0.0278881	0.54773	-0.03969	0.3921
0.04787	-0.13044	0.00475	-0.09657	0.03696	-0.1073413	0.02033	-0.06445	0.16436
0.0197	0.12717	0.00592	0.093579	0.04325	-0.1512363	0.00104	-0.23818	1.90E-07
0.00014	0.098018	0.03421	0.148661	0.00127	-0.1947867	2.25E-05	-0.27615	1.28E-09
0.00251	-0.01557	0.73726	-0.01569	0.73529	-0.2485927	5.23E-08	-0.30341	2.12E-11
0.00363	0.010674	0.81805	0.06995	0.13119	-0.055656	0.22997	-0.09015	0.05154
0.01021	0.041407	0.37197	0.057817	0.21235	-0.1283375	0.00548	-0.16615	0.00031
0.80661	0.247358	6.11E-08	0.199718	1.37E-05	-0.0192518	0.67817	-0.00682	0.8831
0.00188	0.2657	5.49E-09	0.225657	8.35E-07	-0.0727332	0.1165	-0.07024	0.1296
0.92236	-0.15112	0.00105	0.043129	0.35239	-0.0967606	0.03659	-0.21818	1.94E-06
0.00619	-0.04304	0.35335	0.049941	0.28147	0.06471828	0.16263	0.051658	0.26524
0.12597	-0.3665	2.71E-16	-0.15292	0.00092	0.01734138	0.70857	-0.01019	0.82619
0.01527	-0.2021	1.08E-05	-0.03064	0.50887	0.08023911	0.08325	0.103466	0.02536
0.06928	-0.05355	0.24814	0.094917	0.04034	-0.0988569	0.03269	-0.14491	0.00169
0.10924	0.032859	0.47871	0.217336	2.13E-06	0.10712218	0.02059	0.011273	0.80803
0.93088	0.149644	0.00118	0.085673	0.06433	-0.0373016	0.42127	-0.0096	0.83603
0.15563	-0.1221	0.00826	-0.14419	0.00178	-0.1548374	0.00079	-0.14262	0.002
0.03338	0.033674	0.46786	0.039673	0.39234	-0.1489432	0.00125	-0.19816	1.61E-05
0.11777	-0.06693	0.14872	0.007965	0.86371	-0.0286664	0.53661	-0.04133	0.3729

0.00109	0.023127	0.61813	0.080253	0.0832	-0.001009	0.98265	-0.04699	0.31095
0.00114	0.135328	0.00339	0.240752	1.39E-07	-0.1902584	3.50E-05	-0.23847	1.84E-07
0.90056	0.063066	0.17365	0.00211	0.96373	-0.2294252	5.40E-07	-0.34296	2.46E-14
0.39959	-0.3438	2.11E-14	-0.18666	4.94E-05	-0.1446583	0.00172	-0.23762	2.04E-07
0.24811	-0.10502	0.02322	-0.08028	0.08309	-0.053043	0.25262	-0.05649	0.22302
0.00242	-0.12642	0.00623	-0.1604	0.0005	-0.2107832	4.34E-06	-0.24469	8.54E-08
0.00057	-0.27757	1.04E-09	-0.06032	0.1932	-0.1250497	0.00682	-0.30214	2.59E-11
0.21557	0.024779	0.59325	0.020475	0.65898	-0.0544618	0.24014	-0.07998	0.08424
0.11139	-0.13141	0.00445	-0.04186	0.36677	0.09045167	0.05077	0.070164	0.13001
0.06127	-0.29373	9.55E-11	-0.07263	0.11701	-0.0149812	0.74677	-0.06283	0.17528
7.41E-05	0.029943	0.51862	-0.01749	0.7062	-0.1421947	0.00207	-0.10718	0.02052
0.0049	0.06581	0.15564	0.017995	0.69811	-0.1851223	5.71E-05	-0.18315	6.86E-05
0.0154	0.132942	0.004	0.171969	0.00019	-0.0409686	0.37705	-0.1	0.03073
0.00177	-0.13057	0.00471	0.020328	0.66127	0.12545462	0.00664	0.109768	0.01765
0.72506	-0.23978	1.57E-07	0.007212	0.87648	0.13054606	0.00472	0.06587	0.15526
0.00377	-0.07657	0.09839	-0.09346	0.04352	-0.0781702	0.09154	-0.06542	0.15809
0.35293	0.052106	0.26111	-0.0173	0.70921	-0.1700544	0.00022	-0.14977	0.00117
0.19448	-0.07782	0.09302	-0.31164	5.62E-12	-0.4595778	8.82E-26	-0.49658	1.90E-30
2.89E-06	-0.02707	0.55956	0.103527	0.02527	0.04834874	0.29712	0.002619	0.95498
0.00024	0.056519	0.22281	0.323132	8.24E-13	-0.0300723	0.51681	-0.23046	4.78E-07
0.00036	0.011266	0.80815	0.205981	7.20E-06	-0.009341	0.84045	-0.19388	2.46E-05
6.63E-09	0.087452	0.05897	0.146405	0.00151	0.12380683	0.00739	0.04117	0.37471
0.72256	-0.16815	0.00026	-0.08529	0.06553	-0.1272867	0.00588	-0.20337	9.45E-06
0.03172	-0.0223	0.63077	0.102689	0.02648	-0.1185393	0.01035	-0.22705	7.11E-07
0.49262	0.071617	0.12223	-0.10113	0.02887	-0.0466616	0.31431	-0.17109	0.0002
0.42064	-0.32605	4.99E-13	-0.16599	0.00032	-0.1169877	0.0114	-0.18583	5.34E-05
0.02381	-0.07664	0.09809	-0.02774	0.54981	-0.0878138	0.05793	-0.19286	2.72E-05
0.00022	0.073845	0.111	0.063711	0.16928	-0.1668036	0.00029	-0.3421	2.88E-14
0.57152	-0.02223	0.63175	-0.03303	0.47643	-0.1535939	0.00087	-0.14636	0.00152
0.00268	0.156623	0.00068	0.155462	0.00075	-0.1377226	0.00286	-0.19355	2.54E-05
0.01472	-0.20121	1.18E-05	-0.06963	0.13296	-0.0226946	0.62471	-0.13031	0.0048
0.95627	-0.47337	1.87E-27	-0.23069	4.66E-07	0.01496716	0.747	0.06493	0.16125
0.33259	0.016578	0.72085	-0.00627	0.89247	-0.1580133	0.00061	-0.18074	8.58E-05
0.65314	0.054732	0.23781	0.018722	0.68655	-0.2753248	1.44E-09	-0.3092	8.37E-12
0.75569	0.031791	0.49313	-0.0212	0.64766	-0.2583994	1.47E-08	-0.27654	1.21E-09
0.20056	-0.02305	0.61929	0.01437	0.75678	-0.0646831	0.16286	-0.04582	0.32309
0.00011	-0.02456	0.59646	0.066	0.15445	-0.0598451	0.19672	-0.10697	0.02077
0.15632	-0.09456	0.0411	0.009591	0.83624	-0.0704389	0.12851	-0.22354	1.06E-06
0.04331	-0.08423	0.06897	-0.0928	0.04502	-0.1103579	0.01704	-0.09947	0.03162
0.12347	0.02058	0.65734	0.070219	0.12971	-0.0334242	0.47118	-0.19635	1.92E-05
0.45343	-0.24896	4.99E-08	-0.08632	0.06234	-0.3253606	5.62E-13	-0.40432	8.58E-20
0.00401	-0.20956	4.94E-06	0.016518	0.72182	-0.0759221	0.10128	-0.15146	0.00103
0.51972	-0.01543	0.73951	0.158198	0.0006	0.12435162	0.00713	0.121656	0.00849
0.00057	0.239903	1.54E-07	0.21642	2.35E-06	-0.2331011	3.50E-07	-0.28259	5.04E-10
0.00476	-0.02379	0.60803	0.010036	0.82875	-0.2836416	4.33E-10	-0.39256	1.18E-18

0.05671	-0.33995	4.26E-14	-0.25787	1.57E-08	-0.288001	2.27E-10	-0.37763	2.82E-17
0.002	-0.11861	0.01031	0.066427	0.15179	0.14196585	0.0021	0.093964	0.04239
3.99E-11	0.045372	0.32789	-0.01874	0.68626	-0.1696271	0.00023	-0.19377	2.49E-05
0.69787	0.122862	0.00786	0.236484	2.34E-07	0.01452956	0.75416	-0.00105	0.98198
0.20663	-0.12137	0.00865	-0.04011	0.38711	-0.0700601	0.13058	-0.16846	0.00026
0.24173	0.016463	0.7227	0.093672	0.04304	0.05819315	0.20939	-0.01539	0.74012
0.00133	-0.25369	2.71E-08	-0.13662	0.00309	-0.1360804	0.00321	-0.24185	1.22E-07
0.05033	0.07308	0.11476	0.081899	0.07705	-0.0834772	0.0715	-0.07559	0.10277
0.14491	0.060134	0.19457	0.117998	0.01071	0.00171692	0.97048	-0.05584	0.22841
0.07177	0.181043	8.34E-05	0.183739	6.50E-05	-0.0346091	0.45559	-0.15821	0.0006
0.42123	-0.26889	3.54E-09	-0.11963	0.00967	-0.217011	2.21E-06	-0.26549	5.65E-09
0.73578	-0.05045	0.27662	0.065797	0.15572	-0.0020894	0.96408	-0.00058	0.99004
0.03301	-0.10082	0.02938	0.127619	0.00575	0.13709172	0.00299	0.110921	0.01649
0.73716	-0.25995	1.19E-08	-0.03872	0.40382	0.02591926	0.57636	-0.00071	0.98785
0.71409	-0.27512	1.48E-09	0.007431	0.87275	-0.0767455	0.09762	-0.15875	0.00057
0.05795	-0.15958	0.00054	0.047651	0.30415	-0.0060867	0.89563	-0.06426	0.16564
0.28255	-0.15926	0.00055	-0.02739	0.55493	-0.0014081	0.97579	-0.0127	0.78433
0.64166	-0.18217	7.51E-05	-0.00578	0.90084	-0.1056296	0.02243	-0.20276	1.01E-05
0.94088	-0.20178	1.11E-05	-0.03655	0.43074	0.01475324	0.7505	-0.02741	0.55468
0.97932	-0.22158	1.33E-06	0.007316	0.87471	0.03439224	0.45842	0.012864	0.78158
0.49778	-0.25136	3.67E-08	0.011791	0.7994	-0.122394	0.0081	-0.19525	2.15E-05
0.66427	-0.19743	1.73E-05	0.059323	0.20066	0.02283867	0.62251	-0.05028	0.2782
0.00176	-0.09065	0.05025	0.01297	0.77983	-0.0651434	0.15988	-0.28481	3.64E-10
0.05055	0.066979	0.14841	0.092328	0.04614	0.01090503	0.81418	-0.0189	0.68377
0.24116	-0.02253	0.62716	-0.06472	0.16264	-0.0945567	0.0411	-0.09778	0.03464
6.58E-05	0.268046	3.98E-09	0.060887	0.18902	-0.1915077	3.10E-05	-0.26138	9.85E-09
0.00817	0.079715	0.08529	-0.08048	0.08233	-0.3770562	3.18E-17	-0.46521	1.87E-26
0.01687	-0.12486	0.0069	-0.23078	4.60E-07	-0.2569746	1.77E-08	-0.19128	3.17E-05
0.0281	-0.05842	0.20764	-0.14602	0.00156	-0.2800414	7.31E-10	-0.21824	1.93E-06
0.00281	0.129071	0.00521	0.004684	0.91958	-0.1387418	0.00266	-0.21422	2.99E-06
0.10495	-0.07383	0.11109	-0.14729	0.00141	-0.2310409	4.47E-07	-0.3254	5.59E-13
0.31603	0.058058	0.21045	0.001594	0.97259	-0.0812729	0.07934	-0.19116	3.20E-05
0.03354	0.052528	0.25727	-0.05314	0.25177	-0.0649775	0.16095	-0.1398	0.00246
0.03331	-0.0409	0.37788	0.025756	0.57876	-0.0202578	0.66237	-0.07308	0.11476
3.89E-13	0.098558	0.03323	0.006541	0.88789	-0.0163911	0.72387	-0.08949	0.0533
0.02191	-0.17668	0.00012	0.021711	0.6398	0.16586779	0.00032	0.064068	0.1669
0.0457	-0.09659	0.03691	-0.17202	0.00019	-0.0712119	0.12436	-0.096	0.0381
0.05895	-0.06477	0.16232	0.101737	0.02792	0.08952761	0.05319	-0.02533	0.58507
0.11876	-0.0209	0.65234	-0.15491	0.00078	-0.1605969	0.00049	-0.18804	4.33E-05
0.13685	-0.06982	0.13193	-0.04769	0.30372	-0.0139545	0.76359	-0.11767	0.01093
0.06721	0.056325	0.2244	0.095067	0.04002	0.05012014	0.27975	0.034332	0.4592
0.00235	0.060959	0.1885	0.008443	0.85562	0.00776262	0.86713	-0.09894	0.03256
0.62579	-0.07066	0.12734	-0.03782	0.41478	-0.0955682	0.03898	-0.12556	0.00659
0.282	-0.10584	0.02217	-0.07038	0.12882	-0.1679033	0.00027	-0.20281	1.00E-05
0.0174	-0.12026	0.00928	-0.07687	0.09706	-0.1371838	0.00297	-0.18478	5.89E-05



0.00563	-0.15085	0.00108	-0.05628	0.22475	-0.180881	8.46E-05	-0.27028	2.92E-09
0.06173	-0.18495	5.80E-05	-0.04834	0.29723	0.0695273	0.13354	0.05127	0.26886
0.45245	-0.18227	7.45E-05	0.006608	0.88676	0.05876859	0.20491	-0.00137	0.97651
0.18673	0.05907	0.20259	0.069378	0.13438	-0.0886423	0.05559	-0.14716	0.00143
0.66705	0.063082	0.17354	0.119819	0.00955	-0.156238	0.0007	-0.17322	0.00017
0.18669	0.19269	2.76E-05	0.135604	0.00332	-0.054781	0.23739	-0.05365	0.24724
0.49794	-0.02565	0.58034	-0.04265	0.35779	-0.0856935	0.06427	-0.11602	0.01211
0.02623	0.044065	0.34203	0.038488	0.40665	-0.0671451	0.1474	-0.11346	0.01416
0.0762	0.01614	0.72793	-0.09664	0.03683	-0.2596491	1.24E-08	-0.23186	4.06E-07
0.02803	0.144126	0.00179	0.192038	2.94E-05	-0.0140281	0.76238	-0.0771	0.09609
0.01778	0.180524	8.75E-05	0.009424	0.83905	-0.1138859	0.0138	-0.25498	2.30E-08
0.69928	-0.11431	0.01344	0.031639	0.49519	0.12301644	0.00778	0.018744	0.68621
0.43512	-0.07241	0.11815	0.006366	0.89087	-0.0482494	0.29811	-0.12336	0.00761
0.08758	-0.26185	9.25E-09	-0.10926	0.01818	-0.1253814	0.00667	-0.22895	5.70E-07
0.05626	-0.19918	1.45E-05	-0.16881	0.00025	-0.3732017	7.01E-17	-0.43929	1.87E-23
0.00011	-0.02459	0.59603	-0.07732	0.09514	-0.3154431	3.01E-12	-0.42524	6.24E-22
0.06171	-0.1292	0.00517	-0.05063	0.27488	-0.270339	2.90E-09	-0.25226	3.27E-08
0.42914	0.087213	0.05967	0.235249	2.71E-07	-0.0005926	0.98981	-0.08373	0.07064
0.64357	-0.05323	0.25095	0.025692	0.57971	0.03861694	0.40507	-0.03662	0.4298
0.04532	-0.13718	0.00297	-0.15898	0.00056	-0.1478398	0.00136	-0.09086	0.04973
0.01483	-0.08242	0.07516	-0.05771	0.21323	-0.0676557	0.14434	-0.12331	0.00764
0.04021	0.185749	5.38E-05	0.176798	0.00012	-0.0514383	0.26728	-0.14229	0.00205
0.47166	-0.19174	3.03E-05	-0.12744	0.00582	-0.0864978	0.0618	-0.189	3.95E-05
0.52662	0.125787	0.00649	0.195355	2.12E-05	-0.0307752	0.50705	-0.10851	0.01899
0.01769	0.020972	0.65124	0.111229	0.01619	-0.0083884	0.85653	-0.14658	0.00149
0.98664	-0.15573	0.00073	-0.12695	0.00601	-0.2313279	4.32E-07	-0.33359	1.33E-13
0.02134	0.131206	0.00451	0.095095	0.03996	-0.0268305	0.56302	-0.10859	0.01891
0.57184	-0.038	0.41266	0.042301	0.36172	0.00910167	0.84448	-0.08201	0.07664
2.49E-07	0.189028	3.94E-05	0.12947	0.00508	-0.259699	1.23E-08	-0.37937	1.96E-17
0.33915	-0.06571	0.15627	0.028423	0.54007	-0.1759145	0.00013	-0.3205	1.29E-12
0.00147	0.013408	0.77259	0.075211	0.10453	-0.1481338	0.00133	-0.23553	2.62E-07
0.00081	0.034779	0.45338	0.012209	0.79244	-0.0509399	0.27195	-0.01682	0.71688
0.00232	0.029038	0.53134	0.017962	0.69865	0.01418237	0.75985	-0.08066	0.08163
0.18573	-0.01798	0.69842	-0.0387	0.40401	-0.0909028	0.04962	-0.19429	2.36E-05
0.32198	-0.2324	3.80E-07	-0.18938	3.81E-05	-0.0513061	0.26851	-0.13212	0.00423
4.35E-05	0.065356	0.15852	-0.02779	0.54913	-0.1484564	0.00129	-0.22314	1.11E-06
0.09188	0.099297	0.03192	-0.01942	0.67557	-0.2216542	1.32E-06	-0.24929	4.78E-08
0.10548	-0.11091	0.0165	-0.09452	0.04118	-0.0497876	0.28296	-0.12131	0.00869
0.35677	-0.34593	1.42E-14	-0.08174	0.07764	0.08771856	0.0582	-0.03061	0.50935
0.81292	-0.02538	0.58439	-0.09885	0.03271	-0.3177001	2.06E-12	-0.37128	1.04E-16
0.15387	-0.2705	2.83E-09	-0.05677	0.22077	-0.0298977	0.51925	-0.13174	0.00435
0.31373	-0.07381	0.11116	-0.19389	2.45E-05	-0.2093217	5.07E-06	-0.24259	1.11E-07
0.26302	-0.27519	1.46E-09	-0.25248	3.18E-08	-0.2455806	7.64E-08	-0.35071	5.81E-15
0.15471	-0.21155	3.99E-06	0.043081	0.35293	-0.0416551	0.3691	-0.26435	6.60E-09
0.00099	0.201069	1.20E-05	0.301667	2.79E-11	-0.2584084	1.46E-08	-0.3962	5.29E-19

0.0188	0.257386	1.67E-08	0.071802	0.12126	-0.5048172	1.45E-31	-0.60288	1.50E-47
3.98E-06	0.039738	0.39156	0.119454	0.00977	0.06568687	0.15642	0.028213	0.54307
0.487	0.046744	0.31346	0.016357	0.72443	-0.1401835	0.0024	-0.22767	6.61E-07
0.39298	-0.32414	6.93E-13	-0.08395	0.06991	0.17246262	0.00018	0.084769	0.06721
0.00339	0.225714	8.29E-07	0.119652	0.00965	-0.0235458	0.61178	-0.03732	0.42107
5.17E-06	-0.20449	8.41E-06	-0.08673	0.06109	-0.2049285	8.04E-06	-0.28119	6.19E-10
0.67161	-0.23728	2.12E-07	-0.08299	0.07318	0.13582977	0.00327	0.131799	0.00433
0.56277	0.02614	0.57311	-0.10929	0.01815	-0.1989442	1.48E-05	-0.20322	9.59E-06
0.00018	0.112794	0.01474	0.224235	9.82E-07	0.08468714	0.06748	-0.05233	0.25906
0.00187	0.141557	0.00217	0.166778	0.00029	-0.1434792	0.00188	-0.28155	5.87E-10
0.30845	-0.05187	0.2633	-0.00816	0.86043	-0.1347806	0.00352	-0.21408	3.04E-06
0.00026	0.264967	6.07E-09	0.219041	1.76E-06	0.16642626	0.0003	-0.01432	0.75767
0.3321	-0.29394	9.25E-11	-0.19981	1.36E-05	0.05345398	0.24896	-0.08014	0.08365
0.2032	-0.02508	0.58873	-0.11087	0.01653	-0.0788738	0.08865	-0.03795	0.41321
0.18219	-0.16525	0.00034	0.044684	0.33529	-0.1365026	0.00312	-0.11767	0.01093
0.46853	-0.03067	0.50852	0.145879	0.00157	-0.0128889	0.78117	-0.23923	1.68E-07
0.61892	-0.13765	0.00287	-0.04187	0.36669	-0.1252574	0.00672	-0.14308	0.00194
0.01369	0.071397	0.12338	0.063983	0.16747	-0.0174932	0.70614	-0.0065	0.88858
0.56901	0.231487	4.24E-07	0.136415	0.00314	-0.0843504	0.06858	-0.11452	0.01327
1.10E-05	0.190193	3.52E-05	0.102753	0.02639	-0.0852869	0.06555	-0.14354	0.00187
0.46949	0.045638	0.32505	0.030669	0.50853	-0.0092818	0.84144	-0.04161	0.36963
0.41315	0.022825	0.62272	0.046003	0.3212	-0.0275676	0.55234	-0.09001	0.05192
0.05385	0.044727	0.33482	0.10369	0.02504	0.11571712	0.01234	0.063644	0.16973
0.19958	-0.08314	0.07265	-0.03856	0.40575	-0.0207912	0.65405	-0.00086	0.9852
0.0729	0.124746	0.00695	0.271511	2.46E-09	0.12379107	0.0074	0.045588	0.32559
0.21609	-0.06132	0.18592	-0.00826	0.85876	-0.1024064	0.0269	-0.13303	0.00398
0.2101	0.026514	0.56764	0.098201	0.03387	-0.0285979	0.53758	-0.06759	0.14473
0.54478	-0.14552	0.00162	-0.0744	0.10834	0.02797211	0.54652	0.023132	0.61805
0.30016	0.061002	0.18819	0.066313	0.1525	-0.058513	0.20689	-0.12984	0.00495
0.08697	0.113796	0.01387	0.044623	0.33595	-0.0767802	0.09747	-0.14646	0.00151
3.41E-05	0.002856	0.95092	0.105556	0.02253	-0.0271843	0.55788	-0.12944	0.00509
0.11017	0.141408	0.00219	0.166511	0.0003	0.05219764	0.26027	-0.01149	0.80435
0.00362	0.01033	0.82382	0.07533	0.10399	0.04575043	0.32387	-0.01214	0.79358
0.03575	0.010181	0.82632	0.07456	0.10758	-0.0327839	0.47972	-0.05861	0.20613
6.24E-05	0.066548	0.15104	0.147994	0.00134	-0.0387972	0.40288	-0.13123	0.0045
0.64576	0.139858	0.00245	0.210105	4.66E-06	-0.0158063	0.73334	-0.20646	6.85E-06
0.30817	-0.0105	0.82104	-0.04961	0.28472	0.02389701	0.60648	-0.07168	0.12189
0.11594	0.078623	0.08967	0.166756	0.0003	0.05303692	0.25268	-0.05563	0.23021
0.56752	-0.0994	0.03175	-0.02939	0.52639	-0.0490176	0.29048	-0.19596	2.00E-05
0.00645	0.028699	0.53614	-0.02096	0.65144	-0.0818987	0.07705	-0.11645	0.01179
0.08537	-0.20897	5.26E-06	-0.01445	0.75539	-0.2074313	6.19E-06	-0.26278	8.16E-09
0.24153	-0.3549	2.62E-15	-0.26992	3.07E-09	-0.0887868	0.05519	-0.16636	0.00031
0.35661	0.061499	0.18461	-0.07226	0.11888	-0.4083526	3.41E-20	-0.50445	1.62E-31
0.00022	-0.31299	4.51E-12	0.021318	0.64588	-0.0054748	0.90607	-0.08922	0.05401
0.31517	-0.04962	0.28459	-0.01653	0.72159	-0.1350929	0.00344	-0.12991	0.00493

0.00703	-0.2768	1.17E-09	-0.10712	0.02059	-0.0903259	0.05109	-0.22908	5.62E-07
0.148	0.037585	0.41775	0.076135	0.10033	0.00345124	0.94071	-0.0776	0.09395
2.11E-05	0.034462	0.45751	-0.01051	0.82084	-0.1515037	0.00102	-0.19085	3.30E-05
0.00409	0.201616	1.13E-05	0.183184	6.84E-05	0.01863011	0.68801	-0.09672	0.03667
0.35592	-0.07914	0.08758	0.01502	0.74614	-0.048001	0.30061	-0.12367	0.00746
0.80883	-0.14951	0.00119	-0.09552	0.03907	-0.0768267	0.09727	-0.11196	0.01549
0.13697	-0.15628	0.0007	-0.1068	0.02098	-0.2544447	2.46E-08	-0.35049	6.06E-15
0.05686	-0.35825	1.37E-15	-0.28082	6.54E-10	-0.275614	1.38E-09	-0.37594	4.00E-17
0.59443	-0.26255	8.42E-09	-0.05529	0.23308	-0.0671412	0.14743	-0.12339	0.0076
0.41932	-0.07074	0.12688	-0.07379	0.11129	-0.2384237	1.85E-07	-0.41097	1.86E-20
0.2049	-0.36578	3.13E-16	-0.37389	6.09E-17	-0.0833971	0.07178	-0.12646	0.00621
0.25549	-0.05232	0.2592	0.033262	0.47333	-0.187434	4.59E-05	-0.27368	1.81E-09
0.96723	-0.19547	2.10E-05	-0.25786	1.57E-08	-0.0755106	0.10315	-0.08927	0.05387
0.23546	-0.16191	0.00044	0.019317	0.67714	-0.0862542	0.06254	-0.19585	2.02E-05
0.00084	0.006483	0.88887	0.048866	0.29197	-0.1199507	0.00947	-0.26906	3.46E-09
0.12076	-0.07831	0.09097	0.006374	0.89073	-0.1711971	0.0002	-0.32389	7.23E-13
0.00169	0.078975	0.08824	0.119802	0.00956	-0.0963172	0.03746	-0.11071	0.01669
1.57E-05	0.0654	0.15824	-0.02055	0.65782	-0.1145177	0.01328	-0.1862	5.15E-05
0.20127	-0.42693	4.12E-22	-0.11467	0.01315	-0.2124233	3.64E-06	-0.39148	1.49E-18
0.00024	0.05049	0.27621	0.076533	0.09856	-0.13907	0.0026	-0.20713	6.39E-06
0.14783	-0.37261	7.91E-17	-0.25121	3.74E-08	-0.1952136	2.15E-05	-0.22422	9.83E-07
0.05717	-0.04075	0.37959	0.014027	0.7624	-0.2482038	5.49E-08	-0.37042	1.23E-16
0.35488	-0.08812	0.05704	-0.15696	0.00066	-0.1440719	0.0018	-0.1612	0.00047
4.97E-07	0.029608	0.5233	0.001418	0.97562	-0.0396469	0.39265	-0.14869	0.00127
0.47576	0.208582	5.48E-06	0.354915	2.61E-15	0.16849427	0.00025	0.365184	3.53E-16
0.01753	0.243466	9.95E-08	0.162594	0.00042	-0.2505998	4.05E-08	-0.04747	0.30599
0.03447	0.066481	0.15146	0.074712	0.10686	0.17029421	0.00022	0.408863	3.03E-20
0.15177	0.117276	0.0112	0.22066	1.47E-06	-0.1167438	0.01158	-0.03265	0.48151
0.22988	0.301961	2.66E-11	0.215853	2.50E-06	0.11499017	0.0129	0.379652	1.85E-17
0.90581	0.138938	0.00262	0.197891	1.65E-05	0.02136778	0.6451	0.158494	0.00059
0.19752	-0.0582	0.20934	-0.0709	0.12604	-0.2576004	1.63E-08	-0.06928	0.13495
0.18454	0.233837	3.21E-07	0.210681	4.38E-06	0.06070254	0.19037	0.283403	4.48E-10
0.23642	0.086564	0.0616	0.150093	0.00114	0.06399239	0.1674	0.312907	4.57E-12
0.74511	0.29083	1.48E-10	-0.00494	0.91526	-0.0330076	0.47672	0.219753	1.63E-06
0.54604	0.161976	0.00044	-0.03179	0.49309	-0.066603	0.15071	0.22812	6.28E-07
0.10074	0.251528	3.59E-08	0.235795	2.54E-07	0.10402065	0.02458	0.363509	4.91E-16
0.00096	0.095738	0.03863	0.053673	0.24703	-0.1279446	0.00562	0.057706	0.21323
0.00642	0.106877	0.02089	0.111178	0.01623	-0.0603577	0.19291	0.018477	0.69044
0.72158	-0.08033	0.08291	-0.01422	0.75927	-0.0763904	0.09919	0.036057	0.43695
0.22772	0.08681	0.06086	-0.03097	0.5043	-0.1713681	0.0002	0.079572	0.08586
0.64089	0.11501	0.01288	0.401762	1.53E-19	-0.0062305	0.89318	0.019872	0.66841
0.03867	0.18478	5.89E-05	0.085335	0.0654	-0.1713036	0.0002	0.023499	0.61249
0.18505	0.332942	1.50E-13	0.184169	6.24E-05	0.09110883	0.0491	0.34862	8.61E-15
0.00049	0.216287	2.39E-06	0.228022	6.35E-07	0.01999165	0.66653	0.207287	6.28E-06
0.31834	-0.06611	0.15374	0.040206	0.386	-0.119235	0.00991	0.024173	0.60233

0.07433	0.095801	0.0385	0.059597	0.19858	0.11707441	0.01134	0.322737	8.81E-13
0.42768	0.418016	3.55E-21	0.208986	5.25E-06	0.09012206	0.05162	0.321013	1.18E-12
0.00577	0.2106	4.42E-06	0.189406	3.80E-05	0.09148919	0.04816	0.312522	4.87E-12
0.01432	0.178862	0.0001	0.150378	0.00112	0.01384707	0.76536	0.242531	1.12E-07
0.42602	0.05134	0.26819	0.11076	0.01664	0.06529148	0.15893	0.309475	8.00E-12
0.00394	0.274659	1.58E-09	0.194741	2.26E-05	-0.0118109	0.79906	0.237681	2.02E-07
0.99111	0.217563	2.08E-06	0.27538	1.43E-09	0.00803655	0.86249	0.148257	0.00131
0.63937	0.038778	0.40312	0.206982	6.49E-06	0.07659232	0.0983	0.252056	3.36E-08
0.0162	-0.00325	0.94415	-0.05895	0.20353	-0.2678156	4.11E-09	-0.07998	0.08425
0.93964	0.197217	1.77E-05	0.106949	0.0208	0.08606332	0.06313	0.34423	1.95E-14
0.44261	0.093662	0.04307	0.03157	0.49614	0.06654824	0.15104	0.356068	2.09E-15
0.00063	0.061493	0.18465	0.129959	0.00491	0.03246658	0.48398	0.108764	0.01872
0.04029	0.100115	0.03053	0.041995	0.36521	-0.0473405	0.30732	0.155824	0.00073
0.56108	0.25893	1.37E-08	0.11816	0.0106	0.07478562	0.10651	0.304154	1.88E-11
0.96099	0.16794	0.00027	-0.00567	0.90275	-0.2489114	5.02E-08	-0.10159	0.02815
0.76956	0.109031	0.01843	0.029714	0.52181	-0.0774977	0.09437	0.100888	0.02926
0.1819	0.142254	0.00206	0.318079	1.94E-12	0.01991059	0.66781	0.09618	0.03774
0.06199	0.17281	0.00017	0.178339	0.00011	0.15654801	0.00069	0.36847	1.83E-16
0.96436	0.349658	7.09E-15	0.346403	1.30E-14	-0.1417012	0.00214	-0.06484	0.16183
0.08083	0.153285	0.00089	0.397591	3.88E-19	0.19491623	2.22E-05	0.212327	3.67E-06
0.22248	0.267276	4.42E-09	0.262816	8.12E-09	0.10103171	0.02903	0.305329	1.56E-11
0.01737	0.274717	1.57E-09	0.350974	5.53E-15	0.16008991	0.00052	0.29516	7.67E-11
0.9964	0.159374	0.00055	0.083941	0.06994	0.06112813	0.18728	0.30918	8.40E-12
0.839	0.096935	0.03625	0.056913	0.2196	-0.08796	0.05751	0.141078	0.00224
0.02699	0.200946	1.21E-05	0.098368	0.03357	-0.0114565	0.80497	0.259221	1.31E-08
0.72892	0.266792	4.73E-09	0.2532	2.89E-08	0.13456823	0.00357	0.28856	2.09E-10
0.00104	0.156951	0.00066	0.151419	0.00103	-0.1155711	0.01245	0.053475	0.24877
0.0528	0.010475	0.82138	0.11698	0.01141	-0.0089252	0.84746	0.142416	0.00203
0.19641	0.379522	1.90E-17	0.341069	3.48E-14	0.12946771	0.00508	0.328311	3.37E-13
0.02353	0.07688	0.09704	-0.02041	0.65993	-0.2770401	1.13E-09	-0.06052	0.1917
0.78357	0.274238	1.68E-09	0.369706	1.43E-16	0.07526964	0.10426	0.089928	0.05213
0.91054	0.069464	0.1339	-0.07511	0.10499	-0.182579	7.24E-05	-0.02497	0.59036
0.03227	0.202193	1.07E-05	0.169699	0.00023	0.14575196	0.00159	0.381991	1.13E-17
0.46962	0.304493	1.78E-11	0.389024	2.53E-18	0.1096828	0.01774	0.251685	3.52E-08
0.25338	0.308234	9.78E-12	0.132438	0.00414	-0.2412989	1.30E-07	-0.0319	0.49166
0.00784	0.11183	0.01562	0.262556	8.41E-09	0.15455597	0.0008	0.375632	4.26E-17
0.27039	0.286987	2.64E-10	0.188941	3.97E-05	0.00436283	0.92509	0.227558	6.70E-07
0.12828	0.040137	0.38682	0.151765	0.001	-0.0441611	0.34098	0.003748	0.93562
0.99432	0.152482	0.00095	0.08127	0.07935	-0.0309266	0.50497	0.214704	2.84E-06
0.49786	0.319239	1.59E-12	0.105193	0.023	0.01230741	0.79081	0.212981	3.42E-06
0.03379	0.313787	3.95E-12	0.196548	1.89E-05	0.07690706	0.09692	0.260532	1.10E-08
0.90111	0.248558	5.25E-08	0.288337	2.16E-10	-0.0152326	0.74267	0.062947	0.17447
0.17287	0.07288	0.11576	-0.03157	0.49617	-0.2561315	1.98E-08	-0.0663	0.15261
0.12241	0.233232	3.45E-07	0.043758	0.3454	-0.0646487	0.16308	0.142362	0.00204
0.91053	0.223693	1.04E-06	0.206241	7.01E-06	0.17862469	0.0001	0.404967	7.40E-20

0.10043	0.184539	6.03E-05	0.207204	6.34E-06	0.10643937	0.02142	0.400585	1.99E-19
0.58907	0.159211	0.00055	0.377653	2.81E-17	0.25426037	2.52E-08	0.453918	4.08E-25
0.71127	0.229285	5.49E-07	0.105237	0.02294	0.12289234	0.00784	0.376038	3.92E-17
0.01883	0.216896	2.23E-06	0.18415	6.25E-05	0.02689625	0.56206	0.217426	2.11E-06
0.32768	0.178942	0.0001	0.108094	0.01946	-0.2631528	7.76E-09	-0.18579	5.36E-05
0.01083	0.320816	1.22E-12	0.271256	2.55E-09	0.04717808	0.30898	0.212508	3.60E-06
0.08928	0.126888	0.00604	0.162782	0.00041	-0.0883786	0.05633	0.112899	0.01465
0.63685	0.094876	0.04042	0.093446	0.04355	0.03137518	0.4988	0.272902	2.02E-09
1.02E-06	-0.04697	0.31111	0.048931	0.29133	0.08478504	0.06716	0.125327	0.00669
0.0052	0.113301	0.01429	-0.04516	0.33013	-0.2857861	3.15E-10	-0.02046	0.65928
0.82101	0.107283	0.0204	0.2907	1.51E-10	-0.0372147	0.42236	-0.03465	0.45509
0.02418	0.184083	6.29E-05	0.533395	1.08E-35	0.11950587	0.00974	0.126164	0.00633
0.20676	0.317026	2.31E-12	0.252197	3.30E-08	0.18086753	8.47E-05	0.349542	7.24E-15
0.13082	0.262648	8.31E-09	0.350039	6.60E-15	-0.0171572	0.71153	0.092677	0.04532
0.24423	0.281683	5.76E-10	0.165571	0.00033	0.17816786	0.00011	0.40542	6.67E-20
0.41059	0.326748	4.43E-13	0.416092	5.60E-21	-4.65E-05	0.9992	0.119477	0.00976
0.17659	0.040502	0.38252	0.223139	1.11E-06	-0.0018438	0.9683	0.083148	0.07263
0.00474	0.285959	3.07E-10	0.128131	0.00556	-0.0849537	0.06662	0.134485	0.00359
0.05159	0.436899	3.44E-23	0.471998	2.77E-27	0.114988	0.0129	0.238149	1.91E-07
0.45283	0.221321	1.37E-06	0.187236	4.67E-05	0.03816552	0.41059	0.237342	2.11E-07
0.22392	0.239063	1.71E-07	0.193137	2.64E-05	-0.1657316	0.00032	0.037225	0.42223
0.00106	0.245291	7.93E-08	0.162173	0.00043	0.09171517	0.04761	0.387847	3.26E-18
0.20878	0.244339	8.93E-08	0.199033	1.47E-05	-0.0307708	0.50711	-0.05208	0.26133
0.11363	0.08575	0.06409	0.124532	0.00705	0.00228226	0.96077	0.11368	0.01397
0.48006	-0.18469	5.94E-05	0.033491	0.47029	-0.1215592	0.00855	-0.09838	0.03356
0.94349	0.393648	9.27E-19	0.16636	0.00031	0.09434578	0.04156	0.343098	2.40E-14
0.17943	0.465136	1.91E-26	0.336221	8.35E-14	0.11059437	0.01681	0.337726	6.37E-14
0.37415	0.358486	1.31E-15	0.21213	3.75E-06	0.13851632	0.0027	0.310679	6.58E-12
0.5336	0.214619	2.87E-06	0.258848	1.38E-08	-0.0035864	0.93839	0.201543	1.14E-05
0.48783	0.297367	5.46E-11	0.05728	0.21664	0.05645735	0.22332	0.376126	3.85E-17
0.65786	0.302777	2.34E-11	0.285797	3.15E-10	0.1409139	0.00227	0.282558	5.07E-10
0.09147	0.370631	1.18E-16	0.274772	1.55E-09	0.14316863	0.00192	0.331201	2.03E-13
0.0654	0.250335	4.19E-08	0.134622	0.00356	-0.103002	0.02602	0.055452	0.23168
0.9374	0.194114	2.40E-05	-0.09095	0.0495	0.04394002	0.3434	0.347389	1.08E-14
0.22011	0.307538	1.09E-11	0.288255	2.18E-10	0.29565262	7.11E-11	0.482203	1.44E-28
0.8215	-0.01581	0.73333	0.005272	0.90954	-0.1129643	0.01459	0.031516	0.49688
0.71357	0.243844	9.49E-08	0.264156	6.77E-09	0.09666917	0.03677	0.279329	8.10E-10
0.36439	0.084834	0.067	0.180946	8.41E-05	0.18072514	8.59E-05	0.390597	1.80E-18
0.003	-0.17136	0.0002	-0.0574	0.21569	-0.2180001	1.98E-06	-0.13854	0.0027
0.52844	0.224969	9.03E-07	0.316054	2.72E-12	-0.0583162	0.20842	0.035601	0.44277
0.64897	0.034232	0.46052	0.066835	0.14929	-0.1907562	3.33E-05	0.022164	0.63284
0.32687	0.332644	1.58E-13	0.233089	3.51E-07	0.00513576	0.91186	0.262651	8.30E-09
0.09572	0.184314	6.16E-05	0.089768	0.05255	0.03429156	0.45974	0.329882	2.56E-13
4.53E-06	0.265641	5.54E-09	0.278838	8.70E-10	0.04868564	0.29376	0.276052	1.30E-09
0.04399	0.189122	3.90E-05	0.265171	5.90E-09	-0.046644	0.3145	0.026174	0.57261

0.11979	0.246535	6.78E-08	0.395922	5.62E-19	0.15498942	0.00078	0.371019	1.09E-16
0.87613	0.220761	1.45E-06	0.041836	0.36703	-0.1274282	0.00582	0.06684	0.14926
0.02133	0.057023	0.21871	-0.06071	0.19034	-0.0474762	0.30593	0.204425	8.47E-06
0.59281	0.188502	4.14E-05	0.452643	5.74E-25	0.08509983	0.06615	0.23792	1.97E-07
0.49193	0.176798	0.00012	0.254692	2.38E-08	0.11610835	0.01204	0.325594	5.40E-13
0.24902	0.181998	7.64E-05	0.364438	4.09E-16	-0.0810899	0.08002	0.00124	0.97868
0.016	0.132996	0.00399	0.098923	0.03258	-0.0623436	0.17864	0.120124	0.00937
0.23275	0.423506	9.50E-22	0.527529	8.19E-35	0.26808495	3.96E-09	0.384797	6.26E-18
0.99793	0.186028	5.24E-05	0.138197	0.00276	-0.1730533	0.00017	0.003755	0.93549
0.6256	-0.0785	0.09016	-0.33951	4.62E-14	-0.4278627	3.28E-22	-0.21101	4.23E-06
0.89338	0.043852	0.34437	0.142422	0.00203	-0.0876402	0.05843	-0.08126	0.07938
0.36223	0.029266	0.52812	0.292646	1.13E-10	0.18250066	7.29E-05	0.351617	4.90E-15
0.02091	0.040913	0.37771	0.099004	0.03244	-0.2413121	1.30E-07	-0.08996	0.05205
0.4576	0.226963	7.18E-07	0.091696	0.04766	-0.0645924	0.16345	0.015394	0.74005
0.51003	0.366157	2.91E-16	0.291836	1.27E-10	0.01043491	0.82206	0.095242	0.03965
0.9528	0.167823	0.00027	-0.03587	0.43933	0.01216145	0.79323	0.254111	2.57E-08
0.31636	0.331258	2.01E-13	0.28525	3.41E-10	-0.0480671	0.29994	0.180181	9.03E-05
0.07624	-0.13337	0.00389	-0.13597	0.00324	-0.3070749	1.18E-11	-0.09421	0.04185
0.56982	0.142683	0.002	-0.0238	0.608	-0.0044704	0.92324	0.194287	2.36E-05
0.80834	0.371462	9.99E-17	0.287653	2.39E-10	0.12923878	0.00516	0.29579	6.96E-11
0.01506	0.380849	1.44E-17	0.198105	1.61E-05	0.12363607	0.00747	0.382729	9.70E-18
0.64522	0.185322	5.60E-05	0.129487	0.00507	-0.1127323	0.01479	0.053943	0.24465
4.41E-05	0.279534	7.87E-10	0.174563	0.00015	0.15911974	0.00056	0.41763	3.89E-21
0.15753	0.158617	0.00058	0.114592	0.01322	-0.0729588	0.11537	0.189446	3.78E-05
0.20896	0.197718	1.68E-05	0.282805	4.89E-10	0.24461272	8.63E-08	0.495186	2.92E-30
0.95974	0.079106	0.08771	0.006741	0.88449	0.03598191	0.4379	0.312944	4.54E-12
0.00737	0.164272	0.00036	0.160503	0.0005	-0.0080965	0.86147	0.277684	1.03E-09
0.95428	0.232247	3.87E-07	0.219666	1.64E-06	0.24211687	1.18E-07	0.374402	5.49E-17
0.01432	0.184714	5.93E-05	0.163084	0.0004	0.08007321	0.08389	0.361246	7.66E-16
0.10817	0.235048	2.78E-07	0.114017	0.01369	-0.0786139	0.08971	0.139176	0.00258
0.26137	-0.00325	0.94413	0.19367	2.51E-05	-0.0967316	0.03665	0.023846	0.60724
0.57295	0.187054	4.75E-05	0.050034	0.28058	-0.1234009	0.00759	0.117484	0.01106
0.94864	0.259944	1.19E-08	0.061245	0.18643	0.00413697	0.92895	0.270833	2.70E-09
0.74575	0.244797	8.43E-08	0.154914	0.00078	0.04434803	0.33894	0.228776	5.82E-07
0.02679	0.309256	8.29E-12	0.297561	5.30E-11	-0.1144591	0.01332	0.036247	0.43453
0.00583	0.20295	9.87E-06	0.261555	9.62E-09	0.19127492	3.17E-05	0.42766	3.45E-22
0.99006	0.23832	1.87E-07	0.078397	0.0906	-0.0685719	0.13897	0.107607	0.02002
0.00016	0.001527	0.97374	-0.07499	0.10555	-0.0044288	0.92396	0.044605	0.33614
4.85E-09	-0.0718	0.12127	-0.01696	0.71472	0.08467491	0.06752	0.091361	0.04848
0.00023	0.024627	0.59552	0.024873	0.59185	0.03733985	0.4208	0.058689	0.20552
7.91E-16	0.11845	0.01041	-0.00039	0.99328	0.10355007	0.02524	0.110185	0.01722
2.02E-08	-0.05986	0.19663	-0.08903	0.05452	-0.043273	0.35079	-0.02321	0.61692
3.84E-05	0.04626	0.31851	0.027422	0.55445	0.05839272	0.20782	0.080827	0.08101
9.05E-11	0.045476	0.32678	0.079838	0.08481	0.07219612	0.11923	0.064182	0.16615
5.44E-21	-0.04535	0.32809	-0.02445	0.5981	0.03160956	0.4956	0.04307	0.35305

1.39E-17	-0.07892	0.08847	-0.12691	0.00603	-0.0141446	0.76047	0.032011	0.49013
1.69E-37	-0.0843	0.06875	-0.02931	0.52747	0.04888861	0.29175	0.037413	0.41989
4.04E-17	-0.09086	0.04972	-0.02134	0.64551	0.06479608	0.16212	0.06256	0.17713
8.37E-11	0.007339	0.87433	0.030233	0.51457	0.07085958	0.12624	0.069336	0.13461
3.15E-34	0.009472	0.83824	-0.0206	0.65703	0.05011698	0.27978	0.071795	0.1213
1.26E-14	-0.01268	0.7847	-0.00625	0.89292	0.04930628	0.28764	0.062813	0.17538
1.21E-25	0.04835	0.29711	0.034033	0.46312	-0.007841	0.8658	-0.01074	0.81699
1.52E-05	0.009099	0.84453	-0.00896	0.84694	0.03826003	0.40943	0.063219	0.17261
1.24E-17	-0.05075	0.27372	-0.02432	0.60013	0.03248813	0.48369	0.037641	0.41706
1.44E-09	-0.05627	0.22489	-0.09132	0.04857	0.02506574	0.58898	-0.00256	0.95605
1.39E-09	-0.03804	0.41215	-0.03418	0.46123	0.02911435	0.53026	0.008131	0.86088
1.12E-11	-0.13302	0.00398	-0.1376	0.00288	0.02987143	0.51961	0.033419	0.47124
9.57E-06	-0.0108	0.81588	-0.09469	0.04083	0.01643305	0.72319	-0.00812	0.86103
0.14102	0.077316	0.09515	0.012676	0.7847	0.0140193	0.76253	0.032447	0.48424
0.00052	0.030627	0.50911	-0.08282	0.07376	-0.010885	0.81452	-0.00124	0.97873
9.54E-05	-0.03784	0.41455	-0.12429	0.00716	-0.0352605	0.44715	0.005043	0.91346
7.85E-06	-0.04572	0.32418	-0.08914	0.05422	0.01399702	0.76289	0.040535	0.38213
2.38E-21	-0.06936	0.13445	-0.06038	0.19272	0.00447662	0.92314	0.0093	0.84114
2.41E-08	-0.046	0.32119	-0.05937	0.20033	0.01957313	0.67311	0.014238	0.75894
7.97E-09	-0.03568	0.44179	-0.02967	0.5224	0.02076934	0.65439	0.048514	0.29546
2.61E-07	-0.02926	0.52822	-0.03767	0.41675	0.04300588	0.35377	0.021728	0.63953
0.0046	-0.06822	0.14103	-0.05629	0.2247	0.03823871	0.40969	0.067389	0.14594
8.51E-09	0.0077	0.86819	0.01176	0.79992	0.03503246	0.45009	0.067543	0.14502
7.89E-08	-0.0173	0.70917	-0.03956	0.39372	-0.0010239	0.98239	0.037495	0.41887
3.40E-12	0.029677	0.52233	0.038027	0.41229	0.04368596	0.3462	0.033106	0.47541
1.18E-06	-0.02874	0.53562	-0.0252	0.58699	0.01399843	0.76287	0.045333	0.3283
1.28E-11	-0.02278	0.62337	-0.00733	0.87455	0.03441018	0.45819	0.025712	0.57941
5.32E-11	-0.02067	0.65588	-0.03341	0.47139	0.00327819	0.94367	0.025563	0.58162
1.42E-11	-0.01863	0.68806	-0.01695	0.71487	0.01622696	0.72653	0.040678	0.38045
2.56E-08	-0.01659	0.72061	-0.0139	0.76455	0.03084049	0.50615	0.058239	0.20903
4.63E-06	-0.01095	0.81348	-0.02708	0.5594	0.01277831	0.783	0.023984	0.60517
0.05955	-0.08649	0.06182	-0.09254	0.04564	0.00168025	0.97111	-0.04162	0.36955
3.70E-15	-0.04606	0.32063	-0.01294	0.78036	0.04409351	0.34172	0.042813	0.35594
2.00E-18	-0.02624	0.57164	0.026526	0.56746	0.05012125	0.27974	0.040344	0.38438
1.59E-05	0.065838	0.15546	0.018959	0.6828	0.03537465	0.44568	-0.02622	0.57187
6.65E-05	0.009418	0.83914	-0.01094	0.81367	0.00021594	0.99629	0.002382	0.95905
4.17E-08	-0.02637	0.56976	-0.00861	0.85273	0.043529	0.34794	0.0308	0.50672
1.47E-08	-0.02211	0.63365	-0.00166	0.97145	0.03220923	0.48746	0.032801	0.47949
7.46E-07	-0.01857	0.68892	-0.02141	0.64443	0.01102965	0.8121	0.02388	0.60673
2.84E-11	-0.01764	0.70384	0.003711	0.93626	0.04194621	0.36577	0.042417	0.36041
2.65E-07	-0.02246	0.62825	-0.01543	0.73947	0.01509709	0.74488	0.025943	0.57601
1.58E-11	-0.04139	0.37221	-0.01169	0.80114	0.05486791	0.23664	0.030614	0.50928
2.01E-07	0.004458	0.92346	0.027838	0.54845	0.0711556	0.12466	0.057507	0.21482
1.17E-06	-0.02628	0.571	-0.01019	0.82614	0.03231233	0.48606	0.018897	0.68379
5.31E-05	0.029794	0.5207	0.049421	0.28652	0.07306268	0.11485	0.064886	0.16154

0.00608	0.027976	0.54646	-0.06084	0.18935	0.00537181	0.90783	0.064277	0.16552
1.97E-05	-0.03301	0.47663	-0.07337	0.11332	0.03202934	0.48989	0.014246	0.75881
0.00013	-0.0148	0.74967	-0.17925	9.83E-05	0.00452534	0.9223	0.105739	0.02229
4.34E-08	-0.02289	0.62178	0.009093	0.84464	0.04369527	0.3461	0.0541	0.24328
3.02E-11	-0.05059	0.27528	-0.02187	0.63741	0.029115	0.53025	0.044645	0.33571
4.69E-12	-0.04478	0.33424	-0.01473	0.75083	0.01816865	0.69535	0.029569	0.52385
1.41E-08	-0.05751	0.21479	-0.09269	0.04528	-0.0138829	0.76477	-0.02279	0.62333
2.94E-09	-0.04035	0.38428	-0.02403	0.60455	0.03174239	0.49379	0.024127	0.60301
1.97E-10	-0.0562	0.22548	-0.08366	0.07087	0.01915752	0.67966	0.014715	0.75113
0.05479	-0.00918	0.84313	-0.01348	0.77142	-0.0064138	0.89006	0.016406	0.72363
1.05E-07	9.51E-05	0.99837	0.012046	0.79515	0.03653426	0.4309	0.04803	0.30032
7.18E-08	-0.06241	0.17821	-0.06715	0.14739	0.03676657	0.42797	-0.00252	0.95661
2.65E-06	-0.03612	0.43615	-0.02527	0.58597	0.03231429	0.48604	0.016626	0.72008
1.98E-12	-0.03203	0.48988	-0.07705	0.09629	-0.0166628	0.71949	-0.03004	0.51732
4.74E-11	-0.02727	0.55664	-0.03814	0.41096	0.0459128	0.32215	0.054046	0.24375
3.45E-09	-0.08511	0.06611	-0.09428	0.04169	-0.0042009	0.92786	-0.0217	0.64002
0.00053	0.001321	0.97729	-0.07959	0.0858	-0.0698983	0.13147	-0.03163	0.49537
0.00052	-0.04193	0.36594	-0.00193	0.96678	0.01926786	0.67792	-0.00512	0.91213
5.63E-07	-0.09366	0.04307	-0.19546	2.10E-05	-0.1499782	0.00115	-0.06388	0.16813
0.66513	0.021435	0.64407	0.103092	0.02589	0.00858625	0.85318	-0.24398	9.34E-08
0.00111	-0.241	1.35E-07	-0.01904	0.68148	0.05764649	0.2137	-0.25458	2.42E-08
4.75E-06	-0.06538	0.15839	0.148576	0.00128	-0.0774989	0.09437	-0.31076	6.49E-12
0.2079	0.018089	0.69662	0.227057	7.10E-07	0.11648044	0.01177	-0.13347	0.00386
0.26624	-0.16632	0.00031	-0.06649	0.15142	-0.0915872	0.04792	-0.27673	1.18E-09
0.08828	-0.0313	0.49982	0.179694	9.44E-05	0.27286926	2.03E-09	-0.0156	0.73671
0.73337	0.098172	0.03393	0.177185	0.00012	0.35037332	6.19E-15	0.017081	0.71275
0.29715	0.097056	0.03602	0.196936	1.82E-05	-0.0212446	0.64701	-0.27133	2.52E-09
0.28432	-0.12702	0.00598	0.132478	0.00413	-0.2691829	3.40E-09	-0.49123	9.75E-30
0.15401	-0.04612	0.31995	0.164096	0.00037	0.2669119	4.65E-09	-0.05863	0.20595
0.01093	0.087063	0.06011	0.372016	8.93E-17	0.59110375	2.45E-45	0.392824	1.11E-18
0.02442	-0.05591	0.22787	0.136196	0.00319	0.33224786	1.69E-13	0.013794	0.76623
0.06384	0.052097	0.26119	0.131382	0.00446	-0.3408143	3.64E-14	-0.57679	9.17E-43
0.94003	-0.1583	0.0006	-0.16208	0.00044	-0.4253558	6.06E-22	-0.70172	1.79E-70
0.5889	0.095746	0.03861	0.114146	0.01358	0.00385393	0.9338	-0.16539	0.00033
6.46E-06	-0.00109	0.98124	-0.01418	0.75994	-0.2334148	3.37E-07	-0.43423	6.75E-23
0.24746	0.006396	0.89036	0.156296	0.0007	0.30394723	1.94E-11	-0.00745	0.87246
0.88777	-0.1982	1.60E-05	0.078319	0.09092	-0.2127352	3.52E-06	-0.4192	2.68E-21
0.32196	-0.05409	0.24335	-0.00917	0.84338	-0.367947	2.03E-16	-0.62065	4.50E-51
0.7597	-0.0597	0.19778	0.054667	0.23837	-0.1783724	0.00011	-0.36957	1.46E-16
0.86281	-0.16593	0.00032	-0.05144	0.2673	-0.4382845	2.42E-23	-0.66262	2.34E-60
0.04951	0.183424	6.69E-05	0.324002	7.10E-13	0.08004676	0.08399	-0.18823	4.25E-05
0.83543	0.134348	0.00363	0.42397	8.49E-22	0.17024136	0.00022	-0.10109	0.02893
0.2989	-0.02286	0.6222	0.182735	7.13E-05	0.18199346	7.64E-05	-0.11095	0.01645
0.89144	-0.17441	0.00015	-0.05798	0.21107	-0.2562601	1.94E-08	-0.53534	5.48E-36
0.08845	0.198933	1.49E-05	0.298535	4.55E-11	-0.1482392	0.00132	-0.37557	4.32E-17



1.27E-05	0.168148	0.00026	0.292933	1.08E-10	-0.1085246	0.01898	-0.37267	7.81E-17
0.68558	-0.02035	0.66091	0.236123	2.44E-07	0.12036808	0.00922	-0.20105	1.20E-05
0.26813	0.139948	0.00244	0.415867	5.91E-21	0.09083748	0.04978	-0.23348	3.35E-07
0.36585	0.001915	0.96707	0.080605	0.08185	0.04898516	0.2908	-0.15659	0.00068
0.32159	-0.13836	0.00273	-0.02487	0.5919	-0.439962	1.58E-23	-0.68119	5.77E-65
0.00019	-0.00953	0.83727	0.122326	0.00814	-0.040929	0.37752	-0.22992	5.10E-07
0.47821	0.25601	2.01E-08	0.35162	4.89E-15	0.22439453	9.64E-07	-0.0607	0.19038
0.01642	0.201418	1.15E-05	0.362947	5.49E-16	0.35742811	1.61E-15	0.115599	0.01243
0.34713	-0.00833	0.85748	0.290036	1.67E-10	0.142543	0.00202	-0.14216	0.00207
0.57563	0.147134	0.00143	0.266097	5.20E-09	-0.0521019	0.26115	-0.3192	1.60E-12
0.02368	0.145507	0.00162	0.335295	9.85E-14	0.14139896	0.00219	-0.10099	0.0291
0.52409	-0.21019	4.62E-06	0.158357	0.00059	0.10822142	0.01932	-0.17494	0.00014
0.04443	0.342031	2.92E-14	0.620806	4.18E-51	0.232422	3.80E-07	0.019669	0.6716
0.09329	0.109301	0.01814	0.301695	2.78E-11	-0.0517791	0.26412	-0.34556	1.52E-14
0.34077	-0.01443	0.75571	0.219137	1.74E-06	0.00215358	0.96298	-0.18125	8.18E-05
0.00349	0.278638	8.95E-10	0.220267	1.54E-06	0.45403163	3.96E-25	0.268073	3.96E-09
0.13216	0.234828	2.85E-07	0.390876	1.70E-18	-0.0055045	0.90556	-0.18777	4.44E-05
0.44573	0.019237	0.67841	0.213323	3.30E-06	0.10391909	0.02472	-0.17394	0.00016
0.80859	0.181058	8.33E-05	0.256301	1.93E-08	-0.0117897	0.79942	-0.18794	4.37E-05
0.84295	0.000256	0.9956	0.142642	0.002	-0.0971957	0.03575	-0.41171	1.56E-20
0.63021	-0.03334	0.47226	-0.02642	0.56902	-0.2901175	1.65E-10	-0.57918	3.47E-43
0.7855	-0.00635	0.89111	0.223031	1.13E-06	-0.0283752	0.54075	-0.23213	3.93E-07
0.8567	-0.09534	0.03944	0.026879	0.56231	0.11556228	0.01245	-0.0843	0.06874
0.19407	0.02825	0.54255	0.204213	8.66E-06	0.25277626	3.06E-08	-0.07581	0.10178
0.44546	0.245601	7.62E-08	0.492938	5.80E-30	0.00727328	0.87544	-0.12568	0.00654
0.88443	-0.05792	0.21157	0.011923	0.7972	-0.2616082	9.55E-09	-0.49733	1.51E-30
0.97412	0.050105	0.27989	0.219279	1.72E-06	0.21264516	3.55E-06	-0.00427	0.92662
0.01041	-0.02221	0.63217	-0.00705	0.87915	-0.2340286	3.14E-07	-0.49443	3.68E-30
0.05382	-0.10765	0.01998	0.293051	1.06E-10	0.25022011	4.25E-08	-0.03678	0.42779
0.9304	-0.08529	0.06555	-0.0506	0.27515	-0.2166721	2.29E-06	-0.39938	2.61E-19
0.13087	-0.10458	0.02381	0.155987	0.00072	-0.0264459	0.56863	-0.179	0.0001
0.82299	0.166294	0.00031	0.163478	0.00039	-0.1473409	0.00141	-0.31327	4.31E-12
0.60119	0.046049	0.32071	-0.01184	0.79858	-0.296705	6.05E-11	-0.46487	2.05E-26
0.02697	0.271172	2.58E-09	0.47357	1.77E-27	0.23653688	2.32E-07	-0.08232	0.07552
0.01147	0.020227	0.66284	0.067032	0.14809	-0.1995979	1.39E-05	-0.49793	1.25E-30
0.01323	-0.09974	0.03117	0.026949	0.56129	-0.2170876	2.19E-06	-0.53523	5.69E-36
0.34696	0.033331	0.47241	0.112111	0.01536	-0.2000954	1.32E-05	-0.4562	2.21E-25
0.00675	0.103991	0.02462	0.202418	1.04E-05	-0.170308	0.00022	-0.35395	3.14E-15
0.69331	-0.09787	0.03449	0.229917	5.10E-07	0.24826124	5.45E-08	-0.08751	0.05881
0.58102	0.023669	0.60992	0.158535	0.00058	0.07386509	0.11091	-0.19006	3.57E-05
0.00013	-0.27281	2.05E-09	-0.15475	0.00079	0.04615049	0.31965	-0.15527	0.00076
0.13408	-0.31657	2.49E-12	-0.08845	0.05613	0.08347673	0.0715	-0.06484	0.16187
0.42009	-0.0115	0.80432	0.175705	0.00014	-0.1791372	9.93E-05	-0.42118	1.66E-21
0.13722	-0.13991	0.00244	0.050833	0.27296	-0.4587804	1.10E-25	-0.59261	1.29E-45
0.82615	0.079697	0.08536	0.219158	1.74E-06	-0.1330241	0.00398	-0.37766	2.80E-17

0.00033	-0.03351	0.47004	0.249039	4.94E-08	-0.1901505	3.53E-05	-0.34689	1.19E-14
0.65604	0.172062	0.00019	0.256363	1.92E-08	0.01149851	0.80427	-0.2765	1.22E-09
0.31583	-0.11132	0.0161	-0.09009	0.0517	-0.5324869	1.48E-35	-0.72021	7.43E-76
0.05465	-0.04277	0.35639	0.214339	2.96E-06	-0.0855164	0.06483	-0.42663	4.44E-22
0.70679	0.199108	1.46E-05	0.571898	6.49E-42	0.39391571	8.74E-19	0.03265	0.48151
0.69836	0.06815	0.14143	0.097387	0.03539	-0.2206383	1.47E-06	-0.41884	2.92E-21
0.32134	-0.10125	0.02869	0.097808	0.0346	-0.1339219	0.00374	-0.30921	8.36E-12
0.67064	0.185355	5.58E-05	0.089234	0.05397	-0.1822592	7.45E-05	-0.40183	1.51E-19
0.13523	0.095298	0.03954	0.241909	1.21E-07	-0.2886313	2.06E-10	-0.44423	5.25E-24
0.05796	0.169715	0.00023	0.287901	2.30E-10	0.04680439	0.31283	-0.14013	0.0024
0.7232	-0.01236	0.7899	0.050598	0.27518	0.00631316	0.89177	-0.15239	0.00095
0.00812	-0.24902	4.95E-08	-0.05352	0.24837	-0.1132465	0.01434	-0.30249	2.45E-11
0.00233	0.144922	0.00169	0.234952	2.81E-07	0.19885063	1.50E-05	-0.0126	0.78599
0.16718	0.272198	2.23E-09	0.386601	4.26E-18	-0.0480642	0.29997	-0.27405	1.72E-09
0.29531	0.19174	3.03E-05	0.448696	1.63E-24	0.14854963	0.00128	-0.17236	0.00018
0.27392	0.056879	0.21987	0.264249	6.69E-09	0.23321691	3.45E-07	-0.01512	0.74458
0.12423	0.040091	0.38737	0.18624	5.14E-05	0.06994646	0.13121	-0.26919	3.40E-09
0.01555	-0.05265	0.25613	0.172244	0.00018	-0.031693	0.49446	-0.22351	1.07E-06
0.02775	0.073282	0.11376	0.391006	1.65E-18	0.19544773	2.11E-05	-0.08222	0.07588
0.04348	-0.05548	0.23142	0.031432	0.49803	-0.0243635	0.59947	-0.24991	4.42E-08
0.03156	-0.02526	0.58615	0.26708	4.55E-09	-0.017387	0.70784	-0.17973	9.41E-05
0.94104	-0.05859	0.20627	-0.10142	0.02841	-0.2169631	2.22E-06	-0.3624	6.11E-16
0.39136	-0.1121	0.01536	0.146407	0.00151	0.3193758	1.56E-12	0.007448	0.87247
0.00495	-0.08526	0.06564	0.137799	0.00284	0.20985029	4.79E-06	-0.02324	0.61646
0.14315	0.158997	0.00056	0.226188	7.85E-07	0.14912165	0.00123	-0.17221	0.00018
0.01983	-0.1952	2.16E-05	-0.10487	0.02343	-0.3141507	3.72E-12	-0.55933	8.57E-40
0.05597	0.143394	0.00189	0.133109	0.00396	-0.2939155	9.28E-11	-0.46684	1.19E-26
0.01806	0.002709	0.95345	0.031475	0.49744	-0.1745645	0.00015	-0.44215	9.00E-24
0.20576	-0.05052	0.27594	-0.15939	0.00055	-0.1402964	0.00238	-0.35002	6.63E-15
0.5036	-0.10795	0.01963	0.067888	0.14297	0.08210723	0.0763	-0.14938	0.0012
0.21088	0.089037	0.05451	0.240027	1.52E-07	0.01736624	0.70817	-0.2587	1.41E-08
0.08634	0.048701	0.2936	0.149488	0.0012	0.06575971	0.15596	-0.19642	1.91E-05
0.02242	-0.22953	5.33E-07	-0.09941	0.03173	-0.3618937	6.75E-16	-0.56906	1.99E-41
0.18412	-0.08709	0.06002	-0.07339	0.11322	-0.2695703	3.22E-09	-0.53652	3.61E-36
0.00217	0.144765	0.00171	0.263111	7.80E-09	-0.0302845	0.51385	-0.2312	4.38E-07
0.0094	-0.0029	0.95025	0.157764	0.00062	-0.0355541	0.44337	-0.3316	1.90E-13
0.15991	0.000942	0.98381	0.051694	0.26491	-0.1499113	0.00116	-0.40404	9.13E-20
1.65E-06	-0.15711	0.00066	-0.15623	0.0007	-0.411446	1.67E-20	-0.57097	9.39E-42
0.27388	0.012449	0.78845	0.271174	2.58E-09	0.28866129	2.06E-10	-0.01795	0.69888
0.15426	0.145181	0.00166	0.322752	8.79E-13	0.32574171	5.27E-13	0.066834	0.14929
0.76069	-0.15153	0.00102	0.28804	2.26E-10	0.12855144	0.0054	-0.07633	0.09945
0.42289	-0.15097	0.00107	0.024421	0.59861	-0.2208651	1.44E-06	-0.48429	7.80E-29
0.01743	0.281595	5.84E-10	0.325677	5.32E-13	0.09429966	0.04166	-0.20865	5.44E-06
0.90363	0.186981	4.79E-05	0.32372	7.45E-13	-0.1992383	1.44E-05	-0.4737	1.70E-27
7.51E-07	-0.02793	0.54716	0.122675	0.00796	-0.1283779	0.00546	-0.22414	9.92E-07

0.28472	-0.00698	0.88042	0.058391	0.20784	-0.3898131	2.14E-18	-0.60653	2.95E-48
0.01913	-0.0454	0.32758	0.201211	1.18E-05	0.28798998	2.27E-10	-0.0738	0.11124
0.34431	0.150705	0.00109	0.130235	0.00482	-0.1526531	0.00093	-0.42418	8.07E-22
0.1474	-0.01191	0.7974	0.042036	0.36473	-0.0220747	0.6342	-0.30421	1.87E-11
0.00014	-0.09686	0.0364	0.045538	0.32612	0.00313637	0.94611	-0.19502	2.20E-05
0.17608	-0.10739	0.02027	0.034645	0.45512	-0.2974582	5.38E-11	-0.55419	5.95E-39
0.08536	0.251305	3.70E-08	0.501204	4.51E-31	0.15111639	0.00105	-0.01337	0.77317
0.23839	0.395554	6.10E-19	0.382263	1.07E-17	0.27134391	2.52E-09	0.014955	0.7472
0.5303	0.016788	0.71747	0.300066	3.59E-11	0.23600397	2.48E-07	-0.03394	0.46442
0.08206	0.054625	0.23873	0.29652	6.22E-11	-0.0844272	0.06833	-0.36225	6.29E-16
0.96556	-0.28327	4.57E-10	0.17205	0.00019	0.09761244	0.03496	-0.1932	2.63E-05
0.64723	-0.01536	0.74052	0.134128	0.00369	-0.4274175	3.66E-22	-0.58492	3.29E-44
0.77665	0.150039	0.00115	0.279145	8.32E-10	0.26361707	7.29E-09	-0.00796	0.86387
0.96137	-0.01073	0.81717	0.123443	0.00757	-0.1935767	2.53E-05	-0.34475	1.77E-14
0.84492	0.212453	3.62E-06	0.344671	1.79E-14	0.09288032	0.04484	-0.25209	3.34E-08
0.03272	-0.22147	1.34E-06	-0.21682	2.25E-06	-0.3632909	5.13E-16	-0.56831	2.67E-41
0.38707	-0.07475	0.1067	0.068701	0.13823	0.11492357	0.01295	-0.20631	6.96E-06
0.71303	-0.304	1.93E-11	-0.14069	0.00231	-0.3716178	9.68E-17	-0.59784	1.36E-46
0.11113	-0.10159	0.02815	0.061318	0.18591	-0.126423	0.00623	-0.22391	1.02E-06
0.42652	0.008886	0.84812	-0.19037	3.46E-05	-0.1650978	0.00034	-0.0969	0.03631
0.08896	0.03764	0.41707	-0.15417	0.00083	-0.1340672	0.0037	-0.08278	0.0739
0.43804	-0.05664	0.22184	-0.20528	7.75E-06	0.02150352	0.643	0.0989	0.03262
0.69792	0.001461	0.97488	-0.10069	0.02958	-0.0039123	0.9328	-0.01319	0.7762
0.65585	-0.05658	0.22229	-0.14585	0.00158	0.04929153	0.28779	0.037774	0.41541
0.88063	-0.00073	0.98745	-0.17373	0.00016	-0.0819115	0.077	-0.08148	0.07859
0.59076	0.095972	0.03815	-0.18297	6.98E-05	-0.003916	0.93274	-0.02591	0.57648
1.58E-11	-0.02605	0.57449	-0.20082	1.23E-05	-0.0420722	0.36433	-0.00071	0.9878
0.66499	0.001159	0.98008	-0.1296	0.00503	0.01395414	0.7636	0.042133	0.36363
0.81753	-0.11064	0.01676	-0.25026	4.23E-08	-0.0720311	0.12008	-0.0084	0.85628
0.09198	-0.23107	4.45E-07	-0.20493	8.04E-06	0.00788622	0.86503	-0.03879	0.40297
0.99571	0.06033	0.19311	-0.19664	1.87E-05	0.04043784	0.38327	0.158576	0.00058
0.47516	0.061162	0.18703	-0.05249	0.25762	-0.0336033	0.4688	-0.05808	0.21024
0.60072	0.019612	0.6725	-0.14024	0.00239	-0.0113962	0.80597	0.047552	0.30515
0.14607	-0.01375	0.76692	-0.23392	3.18E-07	-0.1213487	0.00866	-0.08299	0.07317
0.66368	-0.07421	0.10923	-0.23117	4.40E-07	-0.0844428	0.06827	-0.04177	0.36784
0.63507	0.006024	0.8967	-0.1462	0.00153	-0.0168418	0.7166	-0.03967	0.39236
0.30067	-0.02171	0.63985	-0.19991	1.35E-05	-0.0626077	0.1768	-0.03318	0.4744
0.07702	-0.05698	0.21904	-0.17485	0.00015	-0.0244909	0.59756	-0.03962	0.39293
0.10275	0.005344	0.90831	-0.07464	0.10719	-0.0128896	0.78116	-0.07135	0.12363
0.33706	-0.07205	0.11997	-0.21882	1.81E-06	-0.1014314	0.0284	-0.02763	0.55139
0.67293	0.008959	0.84688	-0.19014	3.54E-05	-0.0532386	0.25087	-0.01354	0.77038
0.26723	0.011187	0.80947	-0.13883	0.00264	-0.0399036	0.38959	-0.0661	0.15381
0.3984	-0.06525	0.15922	-0.22006	1.57E-06	-0.0617115	0.18309	-0.06886	0.13732
0.47575	-0.03735	0.42073	-0.24597	7.28E-08	-0.1248646	0.0069	-0.09297	0.04464
0.09829	0.143399	0.00189	0.067619	0.14456	0.05451585	0.23967	-0.05029	0.27815

0.72794	-0.01171	0.80067	-0.04075	0.37961	0.07361018	0.11215	0.118073	0.01066
0.95719	-0.03247	0.48397	-0.1448	0.00171	-0.0643868	0.16479	-0.05555	0.23086
0.02811	0.002729	0.9531	-0.06656	0.15097	-0.0209207	0.65203	-0.06987	0.13165
0.96206	0.053581	0.24784	-0.115	0.01289	-0.0612564	0.18635	-0.0491	0.28967
0.94923	-0.03174	0.49376	-0.27194	2.32E-09	-0.1160784	0.01206	-0.03607	0.43672
0.46246	-0.06447	0.16423	-0.17171	0.00019	-0.0292848	0.52785	-0.04655	0.31544
0.01381	0.0381	0.41139	-0.22204	1.26E-06	0.01469307	0.75148	0.158747	0.00057
0.84382	-0.00542	0.90706	-0.15331	0.00089	-0.0155763	0.73708	0.026925	0.56165
0.18198	-0.15274	0.00093	-0.12588	0.00645	-0.0437239	0.34578	-0.13865	0.00268
0.39675	0.033507	0.47008	-0.07173	0.12163	-0.0891325	0.05425	-0.07917	0.08745
0.86937	0.054287	0.24165	-0.02931	0.52751	-0.0210281	0.65037	-0.02584	0.57759
0.73333	-0.07011	0.13033	-0.1304	0.00477	-0.0699956	0.13094	-0.08203	0.07659
0.72838	0.12441	0.00711	-0.04548	0.32676	-0.039772	0.39116	-0.02481	0.59283
0.17213	0.087046	0.06016	-0.02927	0.5281	-0.0838316	0.0703	-0.09607	0.03795
0.4364	-0.05814	0.20984	-0.18769	4.47E-05	-0.0670127	0.14821	-0.06765	0.14438
0.87327	-0.03424	0.46046	-0.20861	5.46E-06	-0.0643948	0.16474	-0.0628	0.17545
0.01256	0.027656	0.55106	-0.12839	0.00546	0.00436725	0.92501	0.031732	0.49393
0.61677	-0.10711	0.02061	-0.09593	0.03824	0.09134641	0.04851	0.138203	0.00276
0.86114	-0.05553	0.23105	-0.2342	3.07E-07	-0.1557815	0.00073	-0.08784	0.05786
0.19159	0.03846	0.40698	-0.20536	7.69E-06	-0.1516054	0.00101	-0.10141	0.02843
0.46372	-0.03559	0.44286	-0.23495	2.81E-07	-0.1394939	0.00252	-0.07764	0.09378
0.88031	-0.05216	0.26063	-0.1507	0.00109	-0.0083732	0.85679	-0.00225	0.9613
0.75078	-0.12842	0.00545	-0.18847	4.16E-05	-0.0430371	0.35342	-0.00554	0.90501
0.89542	-0.01812	0.69604	-0.18094	8.42E-05	-0.0878976	0.05769	-0.02974	0.52141
0.3514	-0.04308	0.35295	-0.19017	3.53E-05	-0.0282037	0.5432	0.010015	0.82911
0.76472	-0.12172	0.00846	-0.15167	0.00101	0.0888473	0.05503	0.077324	0.09511
0.72988	-0.04832	0.29743	-0.26822	3.89E-09	-0.1064586	0.02139	-0.02872	0.5358
0.15733	0.081052	0.08017	-0.07601	0.10091	-0.0820934	0.07635	-0.09078	0.04992
0.6411	-0.04398	0.34297	-0.1721	0.00019	-0.0577285	0.21305	-0.11926	0.00989
0.03285	-0.03613	0.43605	-0.04475	0.33454	0.03237739	0.48518	-0.00757	0.8704
0.62361	-0.17732	0.00012	-0.38224	1.08E-17	-0.1757714	0.00013	-0.12996	0.00491
0.11994	-0.00774	0.86753	-0.05949	0.19943	0.01328639	0.7746	0.035831	0.43982
0.96838	-0.0094	0.83945	-0.1804	8.85E-05	-0.0278302	0.54856	-0.02259	0.62633
0.98267	-0.01905	0.68137	-0.20322	9.60E-06	-0.1055281	0.02256	-0.01432	0.75766
0.8365	-0.0901	0.05167	-0.1747	0.00015	-0.0080356	0.8625	-0.02929	0.52781
0.40394	0.021878	0.63723	-0.17458	0.00015	-0.0469818	0.311	0.02506	0.58908
0.99392	-0.00114	0.98041	-0.09725	0.03565	-0.0210151	0.65057	0.016627	0.72007
0.65454	0.04007	0.38762	-0.20944	5.01E-06	-0.08524	0.0657	-0.00864	0.85229
0.28769	0.033022	0.47653	-0.11071	0.01669	0.1615386	0.00046	0.218843	1.80E-06
0.11357	0.074986	0.10558	-0.20115	1.19E-05	-0.1696617	0.00023	-0.12709	0.00595
0.5467	-0.01676	0.71796	-0.22288	1.14E-06	-0.0804173	0.08257	0.008818	0.84927
0.41577	-0.00361	0.93806	-0.13659	0.0031	-0.0695276	0.13354	-0.07383	0.11106
0.94098	0.09494	0.04029	-0.11469	0.01314	-0.1221968	0.0082	-0.13484	0.00351
0.20297	-0.08249	0.07492	-0.18081	8.52E-05	-0.0184986	0.6901	0.033098	0.47552
0.83534	-0.02918	0.52939	-0.16873	0.00025	-0.1216814	0.00848	-0.09422	0.04184

0.43129	0.018132	0.69593	-0.07983	0.08484	-0.0267222	0.5646	-0.01518	0.74354
0.66713	-0.06779	0.14356	-0.22646	7.61E-07	-0.0716901	0.12185	-0.07622	0.09997
6.89E-07	-0.08467	0.06754	-0.21251	3.60E-06	-0.0813696	0.07898	-0.04775	0.30315
0.00334	0.058481	0.20714	-0.09289	0.04483	-0.0328683	0.47859	-0.02749	0.55343
0.61121	0.061102	0.18746	-0.10031	0.0302	-0.0193111	0.67724	-0.00482	0.91718
0.61791	-0.05386	0.2454	-0.11355	0.01408	-0.2701979	2.95E-09	-0.32746	3.91E-13
0.89253	-0.02544	0.58336	-0.20747	6.16E-06	-0.0928899	0.04482	-0.11075	0.01666
0.94941	-0.00323	0.94457	-0.09907	0.03233	-0.0215491	0.6423	-0.05047	0.27639
0.2824	-0.05931	0.20075	-0.1588	0.00057	-0.0079188	0.86448	-0.02387	0.60683
0.61061	-0.04512	0.33062	-0.13296	0.004	0.05254708	0.25709	0.093924	0.04248
0.75627	0.089806	0.05245	-0.03717	0.42295	-0.0340967	0.46229	-0.07829	0.09103
0.2318	-0.03349	0.47032	-0.33459	1.12E-13	-0.1059851	0.02198	0.049243	0.28827
0.03008	-0.06448	0.1642	-0.10732	0.02036	0.01336223	0.77335	-0.00273	0.9531
0.66806	-0.03863	0.40496	-0.17754	0.00011	-0.0526348	0.2563	-0.04395	0.34331
0.24835	-0.12974	0.00498	-0.12276	0.00791	0.02326222	0.61607	-0.0202	0.66326
0.5522	-0.07704	0.09633	-0.09111	0.0491	0.00381765	0.93442	-0.00027	0.99529
0.43299	-0.05854	0.20671	-0.18091	8.44E-05	-0.1346328	0.00356	-0.13817	0.00277
0.71131	-0.05193	0.26277	-0.20051	1.27E-05	-0.0535511	0.2481	-0.02928	0.52795
0.65231	0.011212	0.80905	0.017906	0.69954	-0.0608203	0.18951	-0.14328	0.00191
0.62016	-0.01467	0.75189	-0.12298	0.0078	-0.0683108	0.14049	-0.07344	0.11297
0.61837	0.000973	0.98327	-0.12288	0.00785	-0.0393113	0.39667	-0.01901	0.68194
0.87247	-0.02712	0.55884	-0.05357	0.24791	-0.0200658	0.66537	-0.05933	0.2006
0.05112	0.001494	0.97431	-0.15024	0.00113	-0.1738113	0.00016	-0.20934	5.06E-06
0.49382	0.000507	0.99128	-0.13563	0.00332	-0.1144815	0.01331	-0.06579	0.15574
0.22901	-0.13424	0.00366	-0.14147	0.00218	-0.0463914	0.31713	-0.06765	0.14439
0.21671	-0.05005	0.28042	-0.06991	0.1314	-0.0210348	0.65026	-0.03611	0.43632
0.81855	-0.02444	0.59837	-0.12087	0.00893	0.00854891	0.85382	-0.02023	0.66274
0.26353	0.003979	0.93167	-0.11729	0.01119	-0.0259045	0.57658	-0.00606	0.89603
0.36511	0.128559	0.0054	0.006075	0.89583	-0.0217322	0.63947	0.037899	0.41387
0.61928	0.155054	0.00077	-0.05102	0.27122	-0.0979449	0.03434	-0.1025	0.02676
0.385	0.030278	0.51394	-0.10008	0.03059	0.0270259	0.56018	0.058918	0.20376
0.40444	0.099415	0.03172	-0.08298	0.0732	0.01779012	0.70139	0.099528	0.03152
0.54727	0.037088	0.42394	-0.03086	0.50588	0.02173954	0.63936	0.020186	0.66349
0.19784	-0.10581	0.02221	-0.23854	1.82E-07	-0.0419142	0.36613	0.0235	0.61248
0.57388	-0.055	0.23554	-0.25124	3.73E-08	-0.1047139	0.02363	-0.09101	0.04934
0.76337	-0.03969	0.39211	-0.18051	8.76E-05	-0.0407627	0.37946	-0.05022	0.27881
0.67704	-0.03755	0.41819	-0.1361	0.00321	-0.1478246	0.00136	-0.14482	0.0017
0.66698	-0.05098	0.27161	-0.13146	0.00443	-0.0211818	0.64798	-0.07587	0.10152
0.42713	0.062269	0.17916	-0.10665	0.02115	-0.1219816	0.00832	-0.16679	0.00029
0.9718	0.033369	0.47191	-0.00094	0.9839	0.00271159	0.9534	-0.01701	0.71388
0.01494	-0.14745	0.0014	-0.24321	1.03E-07	-0.0962171	0.03766	-0.12699	0.006
0.55944	-0.01352	0.77072	-0.23751	2.07E-07	0.01034317	0.82359	0.10813	0.01942
0.57338	-0.05148	0.26689	-0.3183	1.87E-12	-0.2188738	1.79E-06	-0.23294	3.57E-07
0.29503	-0.0504	0.2771	-0.17115	0.0002	-0.0757837	0.10191	-0.03736	0.42052
0.25498	-0.09462	0.04097	-0.23822	1.90E-07	-0.0554569	0.23164	-0.01447	0.75517

0.59214	-0.00314	0.94608	-0.08432	0.06869	0.02254709	0.62697	0.059784	0.19718
0.54495	0.078966	0.08827	-0.06846	0.13959	-0.0405779	0.38163	-0.07982	0.0849
0.17746	0.069969	0.13108	0.002602	0.95528	0.04863782	0.29424	0.014299	0.75794
0.30072	-0.14464	0.00173	-0.25339	2.82E-08	-0.0144992	0.75466	0.007579	0.87025
0.22533	0.057182	0.21742	-0.02937	0.52665	0.00025467	0.99562	-0.02048	0.65897
0.39775	0.117642	0.01095	-0.10315	0.02581	-0.1182128	0.01057	-0.15447	0.00081
0.6766	0.018498	0.69011	-0.06554	0.15734	-0.0378098	0.41497	-0.03158	0.49604
0.08871	-0.00762	0.86963	-0.16704	0.00029	0.09415426	0.04198	0.062776	0.17564
0.00246	-0.24527	7.95E-08	-0.42188	1.41E-21	-0.2058783	7.28E-06	-0.2709	2.68E-09
0.56205	0.02736	0.55534	-0.23817	1.91E-07	-0.1365224	0.00311	-0.05736	0.21599
0.28477	-0.05846	0.20733	-0.25412	2.57E-08	-0.1153276	0.01263	-0.06709	0.14772
0.97828	-0.01723	0.71034	-0.17803	0.00011	-0.1007438	0.0295	-0.05773	0.21302
0.4179	-0.06493	0.16122	-0.15085	0.00108	-0.0522203	0.26007	-0.02846	0.53953
0.14329	-0.01496	0.74711	-0.16181	0.00045	-0.0654685	0.1578	0.003125	0.94631
0.97714	0.001383	0.97623	-0.1282	0.00553	-0.0934155	0.04362	-0.10747	0.02018
0.5107	-0.02591	0.57649	-0.19928	1.43E-05	-0.0551619	0.23414	0.016128	0.72813
0.7979	0.019723	0.67076	-0.17523	0.00014	-0.0438187	0.34474	-0.07622	0.09996
0.15968	0.149468	0.0012	-0.15517	0.00077	-0.0019349	0.96674	0.035225	0.4476
0.54401	-0.07706	0.09623	-0.24614	7.12E-08	-0.09403	0.04225	-0.03006	0.51696
0.18339	0.112935	0.01461	-0.04009	0.38741	-0.0515282	0.26644	-0.05681	0.2204
0.43293	0.024081	0.6037	-0.01583	0.73303	0.08015479	0.08358	0.090104	0.05167
0.8038	-0.03515	0.44853	-0.10797	0.0196	0.03128581	0.50003	-0.0167	0.71882
0.85161	-0.03983	0.39049	-0.08302	0.07308	-0.0724639	0.11786	-0.10114	0.02885
0.55658	0.114751	0.01309	-0.10568	0.02237	-0.0127587	0.78332	0.018926	0.68333
0.64814	-0.00833	0.85751	-0.20574	7.39E-06	-0.0380689	0.41178	0.106564	0.02126
0.44228	0.025573	0.58147	-0.07153	0.12267	0.07883783	0.0888	0.02378	0.60824
0.10158	-0.05385	0.24544	-0.15018	0.00113	-0.0298128	0.52043	-0.05024	0.2786
0.033	0.015855	0.73256	-0.15472	0.00079	-0.1218933	0.00837	-0.14029	0.00238
0.30007	0.045842	0.3229	-0.00167	0.97133	0.15183305	0.001	0.145018	0.00168
0.55652	-0.19445	2.32E-05	-0.26848	3.75E-09	-0.1413006	0.00221	-0.14626	0.00153
0.78707	-0.02995	0.51854	-0.255	2.29E-08	-0.0166584	0.71956	0.121417	0.00863
0.68503	-0.23662	2.30E-07	-0.34914	7.81E-15	-0.1913892	3.14E-05	-0.16514	0.00034
0.49238	-0.03568	0.44175	-0.22226	1.23E-06	-0.0885442	0.05587	-0.01186	0.79823
0.85763	-0.04594	0.32191	-0.18905	3.93E-05	-0.0479066	0.30156	-0.009	0.84622
0.52797	-0.05606	0.22658	-0.24175	1.23E-07	-0.0310202	0.50368	0.021692	0.6401
0.51123	0.043679	0.34628	-0.23852	1.83E-07	-0.0443408	0.33901	0.03374	0.467
0.18228	-0.08097	0.08046	-0.14567	0.0016	-0.0534931	0.24861	-0.05861	0.20612
0.56205	-0.12871	0.00534	-0.11054	0.01687	-0.0235888	0.61113	-0.05454	0.23942
0.29552	-0.01955	0.6735	-0.19749	1.72E-05	-0.059627	0.19836	-0.00904	0.84553
0.96229	0.07055	0.12791	-0.17984	9.31E-05	-0.0802853	0.08307	-0.03808	0.4116
0.36124	-0.0736	0.11221	-0.15476	0.00079	-0.0314251	0.49812	-0.0571	0.21807
0.53463	0.035862	0.43942	-0.11719	0.01126	-0.0035654	0.93875	0.061479	0.18475
0.72955	-0.09054	0.05053	-0.31722	2.24E-12	-0.0743656	0.1085	0.062115	0.18024
0.87832	-0.10562	0.02244	-0.19496	2.21E-05	-0.0476427	0.30424	-0.02024	0.66264
0.85759	-0.00192	0.96691	-0.13271	0.00407	0.0031788	0.94538	0.063003	0.17408

0.24435	-0.05006	0.28034	-0.1496	0.00118	-0.1037816	0.02491	-0.05627	0.22489
4.34E-05	-0.12857	0.00539	-0.25031	4.20E-08	-0.0490374	0.29028	0.004006	0.9312
0.68821	-0.04621	0.31904	-0.17531	0.00014	-0.0994175	0.03171	-0.08509	0.06617
0.50731	-0.10414	0.02441	-0.18758	4.52E-05	-0.0903532	0.05102	-0.12322	0.00768
0.47268	-0.08856	0.05581	-0.11919	0.00993	-0.064688	0.16282	-0.11495	0.01293
0.00499	0.039882	0.38985	-0.09589	0.03832	-0.0892809	0.05385	-0.09344	0.04356
0.19064	-0.04976	0.28326	-0.22928	5.49E-07	-0.0806418	0.08171	-0.09146	0.04824
0.42853	0.115206	0.01273	0.052171	0.26052	0.08394041	0.06994	0.064829	0.1619
0.37138	-0.03898	0.40072	-0.16406	0.00037	-0.0251961	0.58705	0.007206	0.87659
0.59869	-0.06234	0.17863	-0.19526	2.14E-05	-0.079357	0.08671	-0.07271	0.11663
0.47988	0.139833	0.00246	0.022465	0.62822	0.04002403	0.38816	0.006091	0.89555
0.57943	0.022952	0.62079	-0.18192	7.69E-05	-0.0414444	0.37153	-0.02179	0.63859
0.43314	0.024814	0.59273	-0.13534	0.00339	-0.0111462	0.81015	0.017007	0.71394
0.49317	-0.02189	0.63697	-0.14208	0.00209	-0.0114204	0.80557	-0.0618	0.18244
0.30176	0.052026	0.26185	-0.04959	0.28483	-0.0358018	0.4402	-0.03619	0.43525
0.80872	-0.09063	0.0503	-0.22669	7.41E-07	-0.0462546	0.31856	-0.0369	0.42633
0.76615	0.024185	0.60214	-0.07664	0.0981	0.02258611	0.62637	0.071666	0.12197
0.07644	-0.07147	0.12299	-0.1591	0.00056	-0.0420986	0.36402	-0.05625	0.22501
0.06964	0.155981	0.00072	-0.00535	0.9082	-0.0912666	0.04871	-0.06225	0.17928
0.84981	-0.0519	0.263	-0.1404	0.00236	0.0408716	0.37819	-0.0206	0.65705
0.87727	-0.04678	0.31309	-0.17962	9.50E-05	-0.0063691	0.89082	-0.02845	0.53969
0.99902	-0.04899	0.29077	-0.17577	0.00013	-0.0229359	0.62103	-0.07524	0.10442
0.87225	-0.00538	0.90774	-0.14991	0.00116	-0.0267453	0.56426	0.040276	0.38518
0.19053	-0.04494	0.33257	-0.18354	6.62E-05	-0.1027939	0.02633	-0.05757	0.21429
1.53E-09	-0.13979	0.00247	-0.24185	1.22E-07	-0.0664777	0.15148	-0.07817	0.09155
0.85348	-0.00563	0.9035	-0.23441	3.00E-07	-0.1025614	0.02667	-0.03838	0.408
0.50949	0.002349	0.95963	-0.15061	0.0011	-0.0433578	0.34984	-0.00868	0.85166
0.9165	-0.00232	0.96017	-0.27051	2.83E-09	-0.0806901	0.08153	0.040909	0.37774
0.37427	-0.13159	0.00439	-0.1645	0.00036	0.08155862	0.07829	0.142458	0.00203
0.18566	0.020349	0.66094	-0.15019	0.00113	0.00649518	0.88867	0.074013	0.11019
0.75387	-0.06408	0.16683	-0.16249	0.00042	-0.1198088	0.00956	-0.12924	0.00515
0.78638	-0.27095	2.66E-09	-0.23275	3.65E-07	0.0081036	0.86135	-0.03161	0.49563
0.07201	-0.10408	0.02449	-0.22381	1.03E-06	-0.0805394	0.0821	-0.02813	0.54431
0.43533	-0.02827	0.54229	-0.09124	0.04878	0.05180837	0.26385	0.015114	0.74461
2.46E-21	-0.1053	0.02286	-0.1792	9.87E-05	-0.061506	0.18456	-0.04348	0.34851
0.94762	0.03581	0.4401	-0.05286	0.25423	0.06191117	0.18168	0.102674	0.02651
0.3391	0.002115	0.96364	-0.14328	0.00191	0.04643092	0.31671	0.087779	0.05803
0.04181	0.135929	0.00325	-0.01635	0.72456	-0.1082208	0.01932	-0.13533	0.00339
0.09921	0.098882	0.03265	-0.02737	0.55519	-0.0816584	0.07792	-0.12193	0.00835
0.11026	0.154361	0.00082	0.092357	0.04607	-0.0568002	0.22051	-0.07638	0.09926
0.74869	0.055478	0.23146	-0.15121	0.00105	0.00761986	0.86955	0.117548	0.01101
0.4644	-0.05665	0.22172	-0.21575	2.53E-06	-0.1437906	0.00184	-0.08624	0.06258
0.1669	0.000258	0.99557	-0.12843	0.00544	-0.0006218	0.98931	0.007563	0.87051
0.17049	0.169228	0.00024	0.048478	0.29582	0.16670433	0.0003	0.172051	0.00019
0.46339	0.08305	0.07297	-0.03563	0.44238	-0.0117169	0.80063	-0.03147	0.49751

0.86551	-0.0406	0.3814	-0.15373	0.00086	-0.0430582	0.35318	-0.04771	0.30357
0.75557	0.062685	0.17627	-0.00866	0.85186	0.13258644	0.0041	0.093949	0.04243
0.70149	-0.09068	0.05017	-0.30536	1.55E-11	-0.0971822	0.03578	-0.13045	0.00475
0.90527	0.11992	0.00949	-0.0315	0.49707	-0.0086809	0.85158	0.001932	0.96678
0.07934	-0.09152	0.0481	-0.1057	0.02234	0.04519332	0.3298	0.025482	0.58281
0.49158	-0.0604	0.1926	-0.20354	9.29E-06	-0.0545638	0.23926	-0.03793	0.41347
0.86295	-0.14421	0.00178	-0.22995	5.08E-07	-0.0268039	0.56341	-0.06082	0.18954
0.36457	0.167284	0.00028	0.075817	0.10176	0.07814697	0.09164	0.127245	0.00589
0.0074	0.035862	0.43944	-0.13646	0.00313	-0.0202899	0.66187	0.041136	0.3751
0.01757	0.051257	0.26897	-0.03355	0.46954	0.02843763	0.53986	-0.00814	0.86075
0.74459	0.008518	0.85435	-0.17057	0.00021	0.00562872	0.90344	0.044783	0.33422
0.05199	0.032553	0.48282	-0.15764	0.00063	-0.1289756	0.00525	-0.10131	0.02859
0.65193	-0.07738	0.09486	-0.22977	5.18E-07	-0.067436	0.14565	-0.08869	0.05546
0.71477	-0.01299	0.77943	-0.17626	0.00013	-0.0681826	0.14124	-0.03222	0.48736
0.56359	-0.07206	0.11994	-0.24836	5.38E-08	-0.125928	0.00643	-0.10571	0.02232
0.44706	-0.24292	1.06E-07	-0.23646	2.35E-07	0.00039521	0.9932	0.062656	0.17647
3.24E-30	-0.00608	0.89577	-0.01208	0.79452	0.08478814	0.06715	0.058579	0.20638
1.82E-20	-0.00346	0.9406	-0.01335	0.77352	0.1008487	0.02933	0.050883	0.27249
0.00993	-0.05205	0.26159	-0.08052	0.08217	0.01803192	0.69753	-0.04711	0.30972
0.21546	-0.04924	0.28831	-0.15025	0.00113	-0.0197325	0.6706	-0.06957	0.13332
0.48056	-0.03343	0.47114	-0.11071	0.01669	0.02406485	0.60395	-0.03004	0.51723
0.36672	-0.01364	0.7688	-0.17203	0.00019	-0.0295644	0.52392	-0.04074	0.37973
0.66187	0.007927	0.86435	-0.08458	0.06781	0.01627306	0.72578	-0.04068	0.38039
0.126	-0.03512	0.44898	-0.17107	0.0002	-0.0297945	0.52069	-0.02991	0.51914
0.24497	-0.03072	0.50783	-0.07744	0.09461	0.03756876	0.41795	-0.01441	0.75604
0.56982	-0.05029	0.27814	-0.12555	0.00659	0.01858559	0.68872	-0.04419	0.34066
0.10945	-0.00747	0.87212	-0.13429	0.00364	-0.0030428	0.94771	0.005758	0.90124
0.51284	-0.0266	0.56644	-0.08763	0.05845	-0.0092162	0.84255	-0.00971	0.83422
0.28835	-0.04008	0.38746	-0.1067	0.02109	0.03419155	0.46105	-0.00662	0.88658
0.00429	-0.07242	0.11809	-0.19316	2.64E-05	-0.0464422	0.3166	-0.02012	0.6645
0.13749	-0.01432	0.75757	-0.14933	0.00121	-0.047784	0.3028	0.004334	0.92558
0.13427	-0.02984	0.5201	-0.19035	3.47E-05	-0.0508261	0.27302	-0.00263	0.95483
0.99916	-0.02004	0.66582	-0.0882	0.05682	0.03462854	0.45534	-0.00248	0.95731
0.16889	-0.07507	0.10519	-0.33504	1.03E-13	-0.1575406	0.00063	-0.14757	0.00138
0.09105	-0.03946	0.39486	-0.16009	0.00052	-0.0320397	0.48975	-0.03572	0.4413
0.43317	-0.03384	0.4657	-0.1704	0.00022	-0.042122	0.36376	-0.0483	0.29765
0.8189	0.004423	0.92406	-0.07768	0.09359	0.02658172	0.56665	-0.05487	0.23667
0.18616	-0.04753	0.30543	-0.23195	4.01E-07	-0.0617553	0.18278	-0.01962	0.67234
0.76965	0.047125	0.30953	-0.02396	0.60553	-0.0075966	0.86995	-0.0002	0.99659
0.00441	-0.08411	0.06938	-0.12881	0.00531	-0.0633674	0.1716	-0.0838	0.07042
0.86366	-0.03365	0.46819	-0.0538	0.24591	-0.0155708	0.73717	0.002008	0.96548
0.89298	0.044764	0.33442	-0.15877	0.00057	-0.037663	0.41679	-0.02241	0.6291
0.59326	-0.05207	0.2614	-0.11269	0.01483	-0.010533	0.82041	-0.04135	0.37265
0.25645	-0.01173	0.80046	-0.13331	0.0039	-0.078555	0.08995	-0.04942	0.28655
0.9511	-0.03448	0.45727	-0.07829	0.09104	-0.0053288	0.90857	-0.03607	0.43677



0.03749	0.046357	0.31749	-0.07077	0.12672	0.02991333	0.51903	0.01502	0.74615
0.94895	-0.0364	0.4326	-0.1996	1.39E-05	-0.0774928	0.09439	-0.02272	0.62429
0.00166	-0.07412	0.10968	-0.39285	1.10E-18	-0.2291611	5.57E-07	-0.08458	0.06783
0.88473	-0.01995	0.66725	-0.09327	0.04395	0.01582613	0.73302	0.062561	0.17713
0.01412	-0.06343	0.17117	-0.21324	3.33E-06	-0.1473336	0.00141	-0.10152	0.02826
0.28417	-0.03138	0.4987	-0.17322	0.00017	-0.0603831	0.19272	-0.05885	0.20425
0.6184	-0.00095	0.98374	-0.04348	0.3485	0.12417695	0.00722	0.099877	0.03093
3.67E-41	-0.02381	0.60785	-0.10407	0.02451	0.01002608	0.82892	-0.00021	0.99645
1.54E-63	-0.05416	0.24276	-0.1545	0.00081	-0.0528111	0.25471	-0.05936	0.2004
0.96292	-0.03254	0.48301	-0.20108	1.19E-05	-0.0516004	0.26577	-0.07669	0.09787
0.9819	-0.07674	0.09766	-0.18436	6.13E-05	-0.1404182	0.00235	-0.09824	0.03379
0.25543	-0.04117	0.37476	-0.20694	6.51E-06	-0.040664	0.38062	0.041462	0.37133
0.89725	0.074625	0.10727	-0.11875	0.01021	-0.0167139	0.71866	0.045166	0.33009
0.37833	-0.00839	0.85647	-0.15217	0.00097	-0.0768783	0.09704	-0.03579	0.44041
0.96379	0.045188	0.32986	-0.169	0.00024	-0.0490955	0.28971	-0.00161	0.97236
0.00489	-0.14112	0.00224	-0.27349	1.86E-09	-0.1355512	0.00334	-0.1461	0.00155
0.84253	-0.04884	0.29225	-0.08919	0.0541	-0.0159563	0.73091	-0.04674	0.31348
1.61E-05	0.095203	0.03973	-0.05386	0.24541	0.00967126	0.83488	0.016045	0.72947
0.91632	0.007206	0.87658	-0.06781	0.14342	-0.0521945	0.2603	-0.03024	0.51441
0.02352	-0.03143	0.49806	-0.12701	0.00599	-0.0360099	0.43754	-0.03901	0.40025
0.99373	-0.03895	0.40099	-0.1554	0.00075	-0.0646458	0.1631	-0.06929	0.13489
0.4524	-0.17808	0.00011	-0.0776	0.09395	0.32412013	6.96E-13	0.309548	7.91E-12
9.34E-09	0.054805	0.23718	-0.16231	0.00043	-0.0350598	0.44974	0.050159	0.27938
0.67464	-0.08171	0.07773	-0.14273	0.00199	0.04904851	0.29017	0.002403	0.9587
0.13202	-0.01244	0.78868	-0.16174	0.00045	-0.0603487	0.19297	-0.00605	0.89623
0.056	-0.02062	0.6567	-0.04649	0.31611	0.01185404	0.79834	0.017851	0.70041
0.38431	-0.03925	0.39739	-0.15794	0.00061	-0.0421404	0.36355	-0.04424	0.34015
0.68667	-0.21562	2.57E-06	-0.4061	5.71E-20	-0.2178721	2.01E-06	-0.13345	0.00386
0.76964	-0.06098	0.18837	-0.21027	4.58E-06	-0.0864469	0.06195	-0.03974	0.39151
0.81775	-0.01379	0.76623	-0.121	0.00886	8.33E-05	0.99857	0.02358	0.61126
0.63585	-0.0385	0.40647	-0.14273	0.00199	-0.0226574	0.62528	-0.02423	0.60153
0.52043	-0.04451	0.33721	-0.12634	0.00626	-0.1360697	0.00322	-0.15041	0.00111
0.58957	0.10143	0.0284	-0.06151	0.18456	0.01232529	0.79051	0.115928	0.01218
0.62504	-0.07631	0.09955	-0.20231	1.05E-05	-0.0518954	0.26305	0.014363	0.75688
0.68683	-0.06547	0.15781	-0.27457	1.60E-09	-0.1256522	0.00655	-0.10466	0.02371
0.785	0.041919	0.36608	-0.17142	0.0002	-0.0567824	0.22066	-0.0151	0.74483
0.98275	-0.00655	0.88782	-0.10436	0.02411	-0.0169538	0.7148	-0.06827	0.14073
0.00066	0.018111	0.69627	-0.04265	0.35777	-0.0302156	0.51481	-0.06012	0.19468
0.99114	0.009425	0.83902	-0.1622	0.00043	-0.0285455	0.53833	0.01934	0.67678
0.42186	-0.08935	0.05368	-0.22054	1.49E-06	-0.0753963	0.10368	-0.06709	0.14772
0.91831	-0.06369	0.16944	-0.24172	1.24E-07	-0.1519421	0.00099	-0.13198	0.00428
0.37179	0.045005	0.33182	-0.07276	0.11638	-0.0169632	0.71465	-0.01912	0.68023
0.5358	-0.05292	0.25375	-0.22663	7.46E-07	-0.0992169	0.03206	-0.07521	0.10455
0.47767	-0.15003	0.00115	-0.30757	1.09E-11	-0.088045	0.05727	-0.05205	0.2616
0.57255	-0.06019	0.19415	-0.09508	0.03999	-0.0684908	0.13944	-0.10795	0.01963

0.00098	0.056762	0.22082	-0.0859	0.06364	0.0230663	0.61905	0.020911	0.65219
0.81517	0.018617	0.68822	-0.10058	0.02976	-0.1042648	0.02424	-0.12267	0.00796
0.2273	-0.1088	0.01868	-0.16121	0.00047	-0.084211	0.06904	-0.10754	0.0201
0.02862	0.185952	5.28E-05	0.034678	0.45469	0.03400102	0.46355	0.047717	0.30348
0.21451	-0.01852	0.68971	-0.11684	0.01151	-0.0269552	0.56121	0.035718	0.44127
0.3037	0.046455	0.31647	-0.14645	0.00151	-0.1026971	0.02647	-0.08522	0.06577
0.68668	0.011297	0.80763	-0.20044	1.28E-05	-0.0732075	0.11413	-0.04743	0.30637
0.93991	-0.21196	3.82E-06	-0.34202	2.92E-14	-0.2812554	6.13E-10	-0.2718	2.36E-09
0.98377	-0.0326	0.48223	-0.13657	0.0031	-0.0436268	0.34686	-0.04649	0.31611
0.41385	-0.11028	0.01712	-0.18675	4.89E-05	-0.0939242	0.04248	-0.08286	0.07365
0.96401	-0.06213	0.18017	-0.23088	4.55E-07	-0.076624	0.09816	-0.08527	0.0656
0.04844	0.067399	0.14588	-0.17455	0.00015	-0.1891139	3.91E-05	-0.10996	0.01745
0.60594	0.076145	0.10028	-0.01465	0.75211	-0.0281534	0.54392	-0.03623	0.43477
0.72732	-0.06143	0.18509	-0.09384	0.04266	-0.0284972	0.53901	-0.02312	0.61828
2.04E-15	0.09004	0.05183	-0.068	0.14232	-0.0315712	0.49612	-0.04972	0.28365
0.41156	-0.01159	0.80275	-0.22759	6.68E-07	-0.0236575	0.61009	0.08525	0.06567
0.20789	-0.01338	0.77312	-0.24242	1.13E-07	-0.0424793	0.3597	0.105311	0.02284
0.96649	0.005697	0.90227	-0.03297	0.47726	0.05262041	0.25643	-0.00576	0.90118
0.49256	-0.05455	0.23939	-0.13343	0.00387	0.00656498	0.88748	-0.02674	0.56438
0.50191	-0.02	0.66644	-0.0578	0.21251	0.0230657	0.61906	-0.02059	0.65724
0.89482	-0.02307	0.61897	-0.05176	0.26432	0.03390492	0.46482	-0.0111	0.81093
0.83668	0.104115	0.02445	-0.01445	0.75548	0.00210532	0.96381	0.048167	0.29894
0.46463	-0.0526	0.25664	-0.18664	4.95E-05	-0.0325599	0.48273	-0.05128	0.26878
0.44333	-0.03736	0.42053	-0.17218	0.00018	-0.0778858	0.09273	-0.06409	0.16673
0.19572	-0.02945	0.52552	-0.18078	8.55E-05	-0.0689789	0.13664	-0.00487	0.91645
0.23694	-0.04377	0.3453	-0.19037	3.46E-05	-0.0597774	0.19723	-0.04458	0.33645
0.6147	-0.04034	0.38438	-0.13433	0.00363	-0.0008471	0.98543	-0.04151	0.37078
0.70321	-0.01524	0.74255	-0.1578	0.00062	-0.0806806	0.08156	-0.00943	0.83888
0.25623	-0.04741	0.30656	-0.14696	0.00145	-0.0450802	0.33101	-0.06247	0.17773
0.44671	-0.01854	0.68947	-0.16215	0.00043	-0.0340467	0.46295	-0.01817	0.69539
0.40277	-0.05355	0.24815	-0.21004	4.70E-06	-0.070378	0.12884	-0.05227	0.25959
0.47233	-0.06647	0.15153	-0.18109	8.31E-05	-0.0458162	0.32317	-0.04342	0.34913
0.19876	-0.0558	0.22872	-0.16221	0.00043	-0.0317815	0.49326	-0.02939	0.52641
0.753	-0.04637	0.31731	-0.30218	2.57E-11	-0.1520121	0.00098	-0.0364	0.43262
0.49966	-0.02129	0.64634	-0.17378	0.00016	-0.0755298	0.10307	-0.01221	0.79249
0.67485	-0.05798	0.21107	-0.16484	0.00035	-0.0301264	0.51605	-0.00037	0.99357
0.96576	-0.09207	0.04676	-0.23772	2.01E-07	-0.1137471	0.01391	-0.12021	0.00931
0.87365	-0.0084	0.85636	-0.15688	0.00067	-0.0307446	0.50748	-0.01059	0.81945
0.24134	-0.07962	0.08566	-0.20638	6.91E-06	-0.0735847	0.11227	-0.0311	0.50251
0.88284	-0.02041	0.65995	-0.10614	0.02179	-0.0087692	0.85009	-0.03413	0.46184
0.23835	-0.06398	0.16748	-0.18603	5.24E-05	-0.0625778	0.17701	-0.0776	0.09393
0.54804	-0.0314	0.49842	-0.18194	7.67E-05	-0.0358872	0.43911	-0.02385	0.60722
0.88361	-0.03515	0.44862	-0.11243	0.01507	-0.00662	0.88655	-0.03182	0.49268
0.83447	0.0056	0.90394	-0.06663	0.15052	0.0137379	0.76716	0.014667	0.7519
0.87158	-0.07327	0.11383	-0.1604	0.0005	0.02265084	0.62538	-0.0298	0.52057

0.994	0.003604	0.93809	0.000476	0.99182	0.02677569	0.56382	-0.00519	0.91092
0.84111	0.01925	0.6782	-0.11234	0.01515	0.02273867	0.62404	0.035599	0.4428
0.9421	-0.06243	0.17801	-0.11093	0.01648	0.03200302	0.49025	-0.00996	0.83002
0.45523	-0.05072	0.27399	-0.11055	0.01686	0.0118052	0.79916	-0.04643	0.31669
0.19199	-0.0476	0.30462	-0.18523	5.65E-05	-0.0648095	0.16203	-0.05428	0.24174
0.54963	-0.06021	0.19403	-0.18544	5.54E-05	-0.0527917	0.25488	-0.06081	0.18959
0.3814	-0.02477	0.59333	-0.12948	0.00507	-0.0100666	0.82824	-0.01926	0.67812
0.31913	0.035507	0.44398	-0.20531	7.73E-06	-0.0893459	0.05367	-0.03745	0.41945
0.51912	0.003279	0.94366	-0.02776	0.54954	-0.007001	0.88006	-0.07298	0.11525
0.55298	-0.02034	0.66103	-0.15117	0.00105	-0.0206396	0.65641	0.046287	0.31822
0.23852	-0.02323	0.61662	-0.16544	0.00033	-0.0308347	0.50623	0.005315	0.9088
0.53873	-0.04351	0.34811	-0.11563	0.0124	-0.0111626	0.80987	-0.04217	0.36322
0.19416	-0.03145	0.49775	-0.11749	0.01106	-0.0336068	0.46875	-0.03611	0.43621
0.81012	-0.02405	0.60419	-0.08691	0.06058	0.00100574	0.98271	-0.03407	0.46266
0.90346	-0.04122	0.37419	-0.08627	0.0625	0.01415147	0.76036	-0.04581	0.32324
0.63729	-0.03239	0.48507	-0.03166	0.49492	0.04811907	0.29942	-0.00364	0.93745
0.93253	-0.03294	0.47761	-0.02487	0.59195	0.04388736	0.34398	-0.04267	0.35753
0.90592	-0.02422	0.60162	-0.07691	0.09689	0.00557778	0.90431	-0.0136	0.7694
0.82769	-0.067	0.14831	-0.18474	5.91E-05	-0.0575566	0.21442	-0.07731	0.09517
0.8937	-0.04327	0.35082	-0.13051	0.00473	0.00623583	0.89309	-0.04454	0.3369
0.5461	-0.00354	0.93911	-0.11628	0.01192	-0.0130833	0.77795	-0.00654	0.88788
0.99295	-0.00415	0.92872	-0.0364	0.43262	0.01956746	0.6732	-0.01671	0.71871
0.76804	0.046084	0.32035	-0.10619	0.02172	-0.0196113	0.67251	0.001476	0.97463
0.30589	-0.01836	0.69225	-0.18572	5.39E-05	-0.0818512	0.07722	-0.03178	0.49334
0.29663	-0.04167	0.36891	-0.12409	0.00726	-0.014188	0.75976	-0.00717	0.87711
0.57484	-0.01419	0.75966	-0.16143	0.00046	-0.0327452	0.48024	-0.01319	0.77621
0.76982	-0.01322	0.77566	-0.19984	1.36E-05	-0.0439318	0.34349	0.033683	0.46774
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0.51787	-0.038	0.41263	-0.16562	0.00033	-0.0398101	0.39071	-0.06508	0.16029
0.20597	-0.03947	0.39477	-0.186	5.25E-05	-0.0354561	0.44463	0.002317	0.96017
0.78468	-0.09053	0.05056	-0.16922	0.00024	-0.0065992	0.8869	-0.04481	0.3339
0.48614	0.007605	0.8698	-0.19763	1.69E-05	-0.0850577	0.06628	-0.00347	0.9404
0.51879	-0.04659	0.31501	-0.18544	5.54E-05	-0.083225	0.07237	-0.05366	0.2471
0.36337	-0.06046	0.19218	-0.23252	3.75E-07	-0.0803301	0.0829	-0.05286	0.25425
0.28888	0.021059	0.64989	-0.08163	0.07801	-0.0047641	0.91822	0.024071	0.60386
0.37665	-0.03396	0.46408	-0.22562	8.38E-07	-0.1096973	0.01772	-0.0448	0.33408
0.231	-0.05305	0.2526	-0.15656	0.00069	-0.0308248	0.50637	-0.02941	0.52614
0.67307	-0.05443	0.24041	-0.16193	0.00044	-0.0116685	0.80143	0.029841	0.52005
0.27942	-0.03075	0.50742	-0.10891	0.01855	-0.002837	0.95124	-0.0396	0.39325
0.17944	-0.05499	0.23563	-0.16604	0.00031	-0.0449808	0.33208	-0.06695	0.14859
0.86554	-0.02734	0.55566	-0.10823	0.01931	-0.0350064	0.45043	-0.01614	0.7279
0.09329	-0.05386	0.24542	-0.15096	0.00107	-0.0364997	0.43133	-0.04275	0.3566
0.46697	-0.0825	0.07489	-0.19429	2.36E-05	-0.0680419	0.14206	-0.07172	0.12171
0.5577	-0.03564	0.44222	-0.1632	0.0004	-0.0068322	0.88293	-0.0139	0.76451
0.95545	0.006921	0.88142	-0.11431	0.01344	0.00519101	0.91092	0.030563	0.50999

0.23927	-0.01607	0.72899	-0.13615	0.0032	-0.0134614	0.77171	0.047623	0.30444
0.44409	-0.07309	0.11472	-0.22439	9.64E-07	-0.0901145	0.05164	-0.08809	0.05715
0.3424	-0.00591	0.89871	-0.17405	0.00016	0.04070878	0.38009	0.143272	0.00191
0.56236	0.037131	0.4234	-0.11784	0.01082	0.08951231	0.05323	0.155567	0.00074
0.58848	-0.01451	0.75442	-0.21328	3.32E-06	-0.0874163	0.05908	-0.05042	0.27686
0.57312	-0.06971	0.13249	-0.26437	6.58E-09	-0.1013324	0.02855	-0.0399	0.38959
0.35681	-0.03454	0.45644	-0.15973	0.00053	-0.0770982	0.09609	-0.03336	0.47209
0.50365	-0.07786	0.09284	-0.16601	0.00031	0.01006189	0.82832	-0.05061	0.27502
0.40686	-0.01451	0.75443	-0.16273	0.00041	-0.0085969	0.853	0.013291	0.77452
0.76616	-0.00999	0.82948	-0.12379	0.0074	-0.0021724	0.96266	0.088358	0.05639
0.45854	-0.03356	0.4694	-0.1834	6.71E-05	-0.026662	0.56547	0.011297	0.80762
0.95883	-0.01222	0.79226	-0.20784	5.93E-06	-0.0663433	0.15231	-0.04083	0.37864
0.25713	-0.02724	0.55709	-0.21372	3.16E-06	-0.0854116	0.06516	-0.01561	0.73645
0.45076	-0.05292	0.25374	-0.19462	2.28E-05	-0.0719402	0.12055	-0.05303	0.25275
0.97894	0.022819	0.62281	-0.01964	0.67205	0.05418274	0.24256	0.015539	0.73768
0.43217	-0.03323	0.47375	-0.17234	0.00018	-0.0156932	0.73518	-0.03679	0.42771
0.78177	-0.00704	0.87932	-0.13121	0.00451	-0.0305985	0.5095	0.001618	0.97219
0.81395	-0.01605	0.72947	-0.15333	0.00089	-0.046276	0.31833	-0.07487	0.10611
0.90865	-0.02264	0.62555	-0.14513	0.00166	-0.0426861	0.35736	-0.04398	0.34293
0.39542	-0.01869	0.68706	-0.16572	0.00032	-0.026666	0.56542	0.003326	0.94286
0.37555	-0.04105	0.37607	-0.15947	0.00054	-0.0359238	0.43864	-0.03458	0.45595
0.97918	-0.0433	0.35043	-0.01611	0.72845	0.04750659	0.30562	-0.00064	0.98893
0.28322	-0.00994	0.83039	-0.19861	1.54E-05	-0.064841	0.16183	-0.02865	0.53682
0.76424	-0.02175	0.63925	-0.07827	0.09112	0.00487939	0.91625	0.00809	0.86158
0.82474	0.002975	0.94888	-0.09673	0.03665	-0.0588311	0.20443	-0.03076	0.5073
0.75587	0.025649	0.58034	-0.04653	0.31571	0.013105	0.77759	-0.02688	0.5623
0.89795	-0.01194	0.79695	-0.18915	3.89E-05	-0.121105	0.0088	-0.07071	0.12702
0.83167	-0.04373	0.34566	-0.20267	1.02E-05	-0.0916045	0.04788	-0.07656	0.09843
0.19902	-0.04588	0.32246	-0.19816	1.61E-05	-0.111264	0.01615	-0.08036	0.08277
0.02337	-0.11568	0.01237	-0.2903	1.61E-10	-0.0729367	0.11548	-0.0344	0.45834
0.76539	-0.00834	0.8574	-0.20243	1.04E-05	-0.0461924	0.31921	0.050881	0.2725
0.46111	-0.07908	0.08782	-0.17972	9.41E-05	-0.0256908	0.57972	-0.03819	0.4103
0.47537	-0.03308	0.47573	-0.15503	0.00078	-0.0295394	0.52427	-0.07727	0.09536
0.05471	0.004814	0.91736	-0.07549	0.10327	0.08264844	0.07437	0.11236	0.01513
0.87051	-0.2004	1.28E-05	-0.23427	3.05E-07	-0.0255482	0.58183	0.013878	0.76484
0.02785	-0.03682	0.42724	-0.15226	0.00096	-0.0219502	0.63612	-0.02959	0.52352
0.08142	0.013291	0.77452	-0.1736	0.00016	-0.0682007	0.14113	-0.05283	0.25454
0.73921	0.052469	0.2578	-0.11315	0.01443	-0.054882	0.23652	-0.01458	0.75326
0.01298	-0.10253	0.02671	-0.12893	0.00526	-0.0137645	0.76672	-0.04832	0.29737
0.22382	0.076184	0.10011	-0.05883	0.20444	0.0180161	0.69778	0.110588	0.01681
0.62932	0.241838	1.22E-07	0.2591	1.34E-08	0.22914304	5.58E-07	0.234611	2.93E-07
0.80487	-0.00689	0.88192	-0.18159	7.93E-05	0.01789205	0.69976	0.039332	0.39643
0.56131	-0.09051	0.05063	-0.19563	2.07E-05	-0.0687848	0.13775	-0.12148	0.00859
0.84714	-0.016	0.73019	-0.18985	3.64E-05	-0.0695976	0.13315	-0.07387	0.11089
0.3003	-0.04075	0.37965	-0.19721	1.77E-05	-0.0593376	0.20055	-0.07045	0.12847

0.02143	-0.02432	0.60018	-0.07627	0.09974	-0.0368315	0.42715	-0.0749	0.10599
0.97317	-0.01736	0.70825	-0.22413	9.93E-07	-0.0897692	0.05254	-0.05715	0.21771
0.86778	0.072772	0.1163	-0.06729	0.14655	-0.0154341	0.73939	0.046995	0.31087
0.76941	-0.08852	0.05592	-0.31119	6.05E-12	-0.0997305	0.03118	-0.03947	0.39481
0.46407	-0.03642	0.43232	-0.24829	5.43E-08	-0.1927545	2.74E-05	-0.13024	0.00482
0.89413	0.024326	0.60003	-0.16567	0.00032	-0.060247	0.19372	0.039389	0.39574
0.80984	-0.01505	0.74569	-0.24215	1.17E-07	-0.0981451	0.03397	-0.05388	0.24522
0.54626	-0.06392	0.16791	-0.21667	2.29E-06	-0.0872403	0.05959	-0.09226	0.04629
0.86484	0.061525	0.18442	-0.05873	0.20518	-0.0245686	0.5964	-0.03527	0.44706
0.78602	0.027166	0.55815	-0.14901	0.00124	-0.0434192	0.34916	-0.04124	0.37386
0.69214	-0.01569	0.73528	-0.17142	0.0002	-0.0294859	0.52502	-0.05033	0.2777
0.45359	-0.03916	0.39848	-0.10402	0.02457	0.02367944	0.60976	-0.00346	0.94064
0.98648	-0.00731	0.8748	-0.07607	0.10063	-0.0199282	0.66753	-0.01263	0.78553
0.37338	-0.0843	0.06873	-0.28445	3.84E-10	-0.1737282	0.00016	-0.07169	0.12184
0.41234	-0.01345	0.77192	-0.13576	0.00329	-0.0315641	0.49622	-0.03873	0.40365
0.59109	-0.0254	0.584	-0.14329	0.00191	-0.0813558	0.07903	-0.08806	0.05722
0.58884	-0.02773	0.55005	-0.24166	1.24E-07	-0.0765865	0.09832	-0.06791	0.14286
0.57186	-0.01076	0.81666	-0.065	0.1608	0.04945646	0.28617	-0.01751	0.70589
0.77176	-0.08188	0.07712	-0.25498	2.30E-08	-0.0826806	0.07426	-0.07431	0.10878
0.90196	-0.00791	0.86456	-0.23183	4.07E-07	-0.0814774	0.07859	-0.08229	0.07563
0.71136	-0.02102	0.65056	-0.21547	2.61E-06	-0.0976239	0.03494	-0.05978	0.19724
0.96939	-0.04117	0.37472	-0.20324	9.58E-06	-0.0387547	0.4034	-0.05279	0.25491
0.53404	0.029468	0.52527	-0.05479	0.2373	0.02192966	0.63643	0.042779	0.35632
0.57411	-0.1162	0.01197	-0.2583	1.48E-08	-0.129422	0.00509	-0.06801	0.14223
0.42779	-0.07448	0.10794	-0.33388	1.27E-13	-0.1248382	0.00691	-0.01711	0.71233
0.51295	-0.03344	0.47091	-0.22713	7.05E-07	-0.0444983	0.3373	0.03406	0.46278
0.52339	-0.02729	0.55642	-0.11402	0.01368	-0.0023448	0.9597	-0.05656	0.22245
0.80849	-0.06892	0.13697	-0.23865	1.80E-07	-0.0588988	0.2039	-0.01089	0.81452
0.03541	0.034435	0.45787	0.00368	0.93678	0.08479042	0.06714	0.04799	0.30072
0.85507	0.003688	0.93665	-0.08187	0.07716	0.01763497	0.70387	0.028913	0.53311
0.40975	0.14435	0.00176	-0.02486	0.59201	-0.0109837	0.81287	-0.01405	0.76209
0.81442	-0.06616	0.15342	-0.224	1.01E-06	-0.0504206	0.27687	0.024566	0.59643
0.30281	-0.03275	0.48021	-0.16479	0.00035	-0.0340232	0.46326	-0.04712	0.30958
0.74044	0.079606	0.08572	-0.07359	0.11226	-0.0553356	0.23267	-0.04139	0.37215
0.07158	-0.02548	0.58282	-0.15873	0.00058	-0.0583861	0.20788	-0.04963	0.28452
0.00228	-0.02254	0.62707	-0.16925	0.00024	-0.0549886	0.23561	-0.03225	0.48694
0.89321	-0.13511	0.00344	-0.22379	1.03E-06	-0.0595224	0.19915	-0.0161	0.72864
1.03E-07	-0.02776	0.54963	-0.12809	0.00557	0.06162858	0.18368	0.102713	0.02645
0.67259	0.080393	0.08266	-0.15091	0.00107	-0.0839107	0.07004	-0.05377	0.24618
0.66988	0.002844	0.95113	-0.16444	0.00036	0.04586357	0.32267	0.113056	0.01451
0.92317	-0.04386	0.34431	-0.18664	4.94E-05	-0.0365498	0.4307	-0.03613	0.43597
0.43213	-0.06768	0.14421	-0.16079	0.00049	-0.0202635	0.66228	-0.0492	0.28868
0.63182	0.010014	0.82912	-0.02073	0.65502	0.07919306	0.08736	0.074445	0.10812
0.56515	0.002086	0.96414	0.005514	0.9054	0.07164827	0.12206	-0.01377	0.76659
0.31905	-0.02002	0.66604	-0.08872	0.05538	0.08006909	0.08391	0.099605	0.03139

0.797	-0.03508	0.44945	-0.04912	0.28944	-0.002164	0.9628	-0.03886	0.4021
0.44771	0.049366	0.28706	-0.06431	0.1653	0.02313724	0.61797	0.012605	0.78587
0.7384	0.093683	0.04302	-0.1262	0.00632	-0.2250768	8.92E-07	-0.26481	6.20E-09
0.52956	0.018436	0.6911	-0.08878	0.05521	-0.0829173	0.07343	-0.1419	0.00211
0.58442	-0.02036	0.66084	-0.13627	0.00317	-0.0188351	0.68476	-0.00436	0.92522
0.69316	-0.03558	0.4431	-0.2004	1.28E-05	-0.043657	0.34652	-0.02825	0.54254
0.38064	-0.19974	1.37E-05	-0.29231	1.19E-10	-0.119336	0.00985	-0.10756	0.02008
0.97264	0.060481	0.19199	-0.05248	0.25774	0.02452834	0.597	0.003804	0.93466
0.82343	-0.01558	0.73704	-0.05139	0.26776	0.07408573	0.10984	0.08508	0.06621
0.49086	-0.04656	0.31534	-0.19624	1.95E-05	-0.0859014	0.06362	-0.05596	0.22746
0.95298	-0.01797	0.69851	-0.22355	1.06E-06	-0.1486729	0.00127	-0.19252	2.81E-05
0.8675	0.041031	0.37633	-0.1184	0.01044	0.12483704	0.00691	0.194815	2.24E-05
0.57822	0.012273	0.79137	-0.17425	0.00015	-0.0055305	0.90512	0.011435	0.80533
0.05776	0.057074	0.2183	-0.03959	0.39328	0.11184152	0.0156	0.144937	0.00169
0.67666	-0.04955	0.28528	-0.26183	9.27E-09	-0.0935768	0.04326	-0.00294	0.94945
0.70136	-0.12385	0.00737	-0.27287	2.03E-09	-0.0856271	0.06448	0.01477	0.75023
1.30E-18	-0.15834	0.00059	-0.25893	1.36E-08	-0.0756588	0.10248	-0.07445	0.10809
0.34028	0.007923	0.86442	-0.15223	0.00097	-0.0982307	0.03382	-0.09007	0.05176
0.61465	0.06017	0.1943	-0.15694	0.00067	0.05399076	0.24423	0.086475	0.06187
0.70398	-0.05249	0.25757	-0.20196	1.09E-05	-0.0331422	0.47493	-0.04672	0.31375
0.5852	-0.05434	0.24123	-0.22044	1.51E-06	-0.0870884	0.06004	-0.06677	0.14966
3.93E-08	0.039956	0.38897	-0.08997	0.05202	-0.0053913	0.9075	0.013647	0.76866
0.06424	-0.12403	0.00729	-0.39811	3.46E-19	-0.1540517	0.00084	-0.0366	0.43009
0.04866	-0.1667	0.0003	-0.17044	0.00022	-0.0153294	0.7411	-0.02436	0.59949
0.83348	0.020987	0.651	-0.12306	0.00776	-0.053785	0.24604	-0.03193	0.49128
0.76835	-0.04428	0.33965	-0.2001	1.32E-05	-0.0806352	0.08173	-0.08788	0.05774
0.28283	-0.00388	0.93332	-0.14788	0.00135	-0.0841269	0.06932	-0.08837	0.05636
0.31678	-0.02856	0.53812	-0.18823	4.25E-05	-0.0827588	0.07399	-0.05257	0.25688
0.9757	-0.07262	0.11708	-0.24553	7.69E-08	-0.0841262	0.06932	-0.08526	0.06565
0.97733	0.01451	0.75448	-0.21269	3.53E-06	-0.077074	0.09619	-0.03852	0.40619
0.36965	0.009354	0.84022	-0.15412	0.00083	-0.0985658	0.03321	-0.10328	0.02563
0.93717	-0.15121	0.00105	-0.30077	3.21E-11	-0.0721416	0.11951	-0.01	0.82928
0.80328	0.011243	0.80854	-0.24529	7.93E-08	-0.1937581	2.49E-05	-0.089	0.0546
0.76505	0.029482	0.52507	-0.08955	0.05312	-0.0603645	0.19286	-0.05402	0.24393
0.15735	-0.03142	0.49819	-0.24448	8.77E-08	-0.1117518	0.01569	-0.03985	0.39021
0.49703	-0.14428	0.00177	-0.20898	5.25E-06	-0.0955814	0.03895	-0.12217	0.00822
0.61095	-0.11636	0.01185	-0.20072	1.24E-05	-0.1752996	0.00014	-0.18382	6.45E-05
0.25651	0.00443	0.92393	-0.08786	0.05781	-0.1143062	0.01345	-0.09742	0.03532
0.53918	-0.06919	0.13542	-0.24036	1.46E-07	-0.0877224	0.05819	-0.06353	0.17047
0.53964	0.004296	0.92623	-0.13102	0.00457	-0.0736419	0.11199	-0.01602	0.72993
0.04003	-0.05405	0.24374	-0.18803	4.33E-05	-0.0977844	0.03464	-0.0987	0.03298
0.51866	-0.13072	0.00466	-0.25732	1.69E-08	-0.0892597	0.05391	0.003972	0.93177
0.94278	-0.02001	0.66618	-0.10962	0.0178	-0.0339321	0.46446	-0.01811	0.69622
0.27887	0.05581	0.22868	-0.0327	0.48088	-0.0604355	0.19233	-0.06488	0.16159
0.92428	-0.03389	0.46504	-0.19143	3.12E-05	-0.0723264	0.11856	-0.09645	0.0372

0.90182	-0.03204	0.48979	-0.18442	6.09E-05	-0.0285642	0.53806	-0.05297	0.25325
0.08238	0.025039	0.58939	-0.08673	0.0611	0.01327801	0.77474	0.069389	0.13432
0.78552	-0.02657	0.56686	-0.19686	1.83E-05	-0.0482343	0.29826	-0.05502	0.23538
0.55944	-0.0213	0.64619	-0.15765	0.00063	0.00263146	0.95477	-0.00441	0.92423
0.59028	-0.06268	0.17632	-0.27481	1.55E-09	-0.1470885	0.00144	-0.12082	0.00896
0.17377	0.000831	0.98571	-0.14555	0.00161	-0.0500835	0.2801	-0.01481	0.74951
0.90165	0.086598	0.0615	-0.04252	0.35924	0.06291308	0.1747	0.086744	0.06106
0.70036	-0.01998	0.66673	-0.11376	0.0139	-0.02889	0.53343	-0.04235	0.36112
0.59742	-0.0421	0.36397	-0.12201	0.00831	-0.0592793	0.20099	-0.02564	0.58052
0.25354	-0.08917	0.05414	-0.18059	8.70E-05	-0.0187478	0.68614	-0.0372	0.4225
0.62283	0.018953	0.6829	-0.11148	0.01595	-0.0776429	0.09376	-0.09098	0.04943
0.82844	0.080313	0.08297	0.019365	0.67638	0.01412459	0.7608	-0.01604	0.72957
0.36047	0.038046	0.41206	-0.15086	0.00108	-0.103518	0.02528	-0.02188	0.63727
0.75006	-0.02679	0.56359	-0.17287	0.00017	-0.0370137	0.42487	0.049541	0.28535
0.30803	-0.01273	0.78373	-0.20319	9.62E-06	-0.1273844	0.00584	-0.06296	0.1744
0.25449	0.030757	0.5073	-0.1004	0.03006	0.0441664	0.34092	0.108715	0.01877
0.86433	0.035187	0.4481	-0.0628	0.17545	0.04952169	0.28554	0.117554	0.01101
0.92028	0.021936	0.63634	-0.20477	8.17E-06	-0.2128192	3.48E-06	-0.19158	3.08E-05
0.68015	0.000464	0.99203	-0.16845	0.00026	-0.0212515	0.6469	0.026841	0.56287
0.71412	-0.04786	0.30205	-0.20286	9.95E-06	-0.0830057	0.07312	-0.0184	0.69159
0.37124	-0.01919	0.67916	-0.15674	0.00068	-0.1240738	0.00726	-0.13143	0.00444
0.2896	-0.04391	0.34377	-0.24934	4.75E-08	-0.1174154	0.01111	-0.07259	0.1172
0.23249	-0.02781	0.54883	-0.19529	2.14E-05	-0.0175971	0.70447	0.019398	0.67587
0.7847	0.07123	0.12426	-0.03961	0.39312	-0.0464311	0.31671	-0.02322	0.61678
0.70573	-0.05542	0.23197	-0.16815	0.00026	-0.0235066	0.61237	-0.04375	0.34552
0.98474	0.008146	0.86063	-0.11998	0.00945	-0.0217472	0.63924	-0.0156	0.73665
0.78462	0.002776	0.95229	-0.20846	5.55E-06	-0.0721514	0.11946	0.011937	0.79696
0.26186	0.018545	0.68937	-0.16016	0.00051	-0.037978	0.4129	-0.01021	0.82582
0.5254	-0.02613	0.57326	-0.13632	0.00316	0.01690498	0.71558	-0.01338	0.77303
0.76704	-0.01339	0.77283	-0.14725	0.00142	-0.112762	0.01477	-0.12792	0.00563
0.82394	0.00651	0.88841	-0.09639	0.03732	0.05052124	0.27591	0.054795	0.23726
0.54005	-0.00914	0.84388	-0.08534	0.0654	-0.1087083	0.01878	-0.1704	0.00022
0.29596	0.020681	0.65576	-0.17721	0.00012	-0.0791573	0.08751	-0.01286	0.78163
0.76712	0.021565	0.64206	-0.26667	4.81E-09	-0.0637612	0.16895	0.056384	0.22392
0.49796	-0.02999	0.51793	0.051813	0.26381	0.07913455	0.0876	0.035685	0.44169
0.28881	-0.04482	0.33379	-0.10449	0.02393	0.02283484	0.62257	0.004105	0.92951
0.78977	-0.14241	0.00204	-0.21761	2.06E-06	-0.1174004	0.01112	-0.11424	0.0135
0.12534	-0.08286	0.07364	-0.1774	0.00012	0.00375565	0.93549	0.023217	0.61677
0.39493	-0.09728	0.03559	-0.13166	0.00437	-0.0513318	0.26827	-0.09523	0.03967
0.68937	-0.03851	0.40637	-0.01306	0.77833	0.0062258	0.89326	-0.0197	0.67109
0.22939	-0.03069	0.50817	-0.04791	0.30153	0.00203227	0.96506	-0.04975	0.28327
0.63166	-0.05677	0.22076	-0.12493	0.00687	-0.0302062	0.51494	-0.04789	0.30168
0.72323	-0.00377	0.93526	-0.12285	0.00787	-0.0287757	0.53505	0.000575	0.99011
0.87332	0.005174	0.91122	-0.10442	0.02403	0.01884017	0.68468	-0.00733	0.87452
0.88379	0.022201	0.63226	-0.05625	0.22503	0.0345757	0.45603	-0.00079	0.98642

0.31415	-0.08707	0.06008	-0.19421	2.38E-05	-0.1635563	0.00039	-0.14883	0.00126
0.40149	0.088066	0.05721	-0.02638	0.56958	-0.0760545	0.10069	-0.07035	0.12901
0.93255	0.013113	0.77746	-0.08637	0.0622	-0.0225247	0.62731	-0.01663	0.71997
0.34015	0.015815	0.73321	-0.15088	0.00107	-0.0622501	0.17929	0.01939	0.67599
0.7993	-0.0332	0.47409	-0.12428	0.00717	-0.0190363	0.68158	-0.01967	0.67165
0.82455	-0.02241	0.62901	-0.21997	1.59E-06	-0.1249135	0.00688	-0.05726	0.21678
0.94184	0.020414	0.65993	0.044873	0.33324	0.07893462	0.0884	0.018181	0.69515
4.25E-30	0.017715	0.70259	0.003117	0.94643	0.09039806	0.0509	0.048412	0.29648
0.8456	-0.04199	0.36522	-0.18499	5.78E-05	-0.0282887	0.54199	-0.04267	0.35759
0.51948	-0.04399	0.34288	-0.1582	0.0006	-0.0157564	0.73415	-0.0176	0.70436
0.49871	0.067401	0.14586	-0.06288	0.17492	-0.0711735	0.12456	-0.08489	0.06683
0.68451	-0.09833	0.03363	-0.22302	1.13E-06	-0.0095054	0.83768	0.082372	0.07535
0.66119	-0.04341	0.34926	-0.22127	1.37E-06	-0.103193	0.02575	-0.04941	0.28659
0.90095	-0.28929	1.87E-10	-0.2705	2.83E-09	0.06488299	0.16156	0.170461	0.00021
0.64387	0.12073	0.00901	-0.0954	0.03933	-0.0106974	0.81766	0.074766	0.1066
0.53051	-0.05693	0.21943	-0.15408	0.00084	0.00515549	0.91153	-0.03687	0.42663
4.24E-06	0.028619	0.53728	-0.1322	0.00421	-0.1047912	0.02353	-0.10566	0.0224
0.39647	-0.04049	0.38268	-0.16212	0.00044	-0.041416	0.37186	0.007385	0.87354
0.69239	-0.00651	0.88846	-0.19635	1.93E-05	-0.0827846	0.07389	-0.06704	0.14804
0.41511	0.159743	0.00053	0.047052	0.31028	0.18240909	7.35E-05	0.398779	2.98E-19
0.016	0.374534	5.34E-17	0.262545	8.42E-09	0.40157358	1.59E-19	0.640572	2.67E-55
0.0839	0.448181	1.87E-24	0.216382	2.36E-06	0.14300585	0.00195	0.419371	2.57E-21
0.00068	0.308553	9.29E-12	0.208188	5.71E-06	0.27228797	2.21E-09	0.475194	1.11E-27
0.02646	0.372012	8.94E-17	0.492661	6.32E-30	0.32160125	1.07E-12	0.356742	1.84E-15
0.8945	0.359083	1.17E-15	0.234471	2.98E-07	0.32712668	4.14E-13	0.576336	1.10E-42
0.0002	0.524396	2.37E-34	0.339074	4.99E-14	-0.2513761	3.66E-08	-0.17528	0.00014
0.32373	0.457654	1.49E-25	0.122542	0.00802	0.23968133	1.59E-07	0.399736	2.41E-19
0.0594	0.595655	3.50E-46	0.367908	2.05E-16	0.04426334	0.33986	0.169531	0.00023
0.67372	0.243883	9.45E-08	0.195091	2.18E-05	0.43462284	6.11E-23	0.681578	4.58E-65
0.27926	0.665489	4.76E-61	0.409946	2.36E-20	0.08917486	0.05413	0.241412	1.28E-07
2.66E-06	0.407681	3.98E-20	0.326036	5.00E-13	0.15361158	0.00087	0.307536	1.09E-11
0.57143	0.237455	2.08E-07	0.080742	0.08133	0.30387212	1.97E-11	0.574042	2.76E-42
0.81078	0.485608	5.28E-29	0.239336	1.65E-07	0.21746039	2.10E-06	0.431264	1.42E-22
0.19705	0.21337	3.28E-06	0.161069	0.00048	0.05557064	0.23068	0.213404	3.27E-06
0.97023	0.205942	7.23E-06	0.409416	2.67E-20	0.20776071	5.98E-06	0.244682	8.55E-08
0.36951	0.29126	1.39E-10	0.250921	3.88E-08	0.16260594	0.00042	0.405217	6.99E-20
0.1766	0.472406	2.46E-27	0.293797	9.45E-11	-0.1293722	0.00511	-0.00767	0.86864
0.03689	0.302664	2.38E-11	0.222307	1.22E-06	0.27049359	2.84E-09	0.355883	2.17E-15
0.00041	0.346416	1.30E-14	0.257805	1.58E-08	0.34007534	4.16E-14	0.442524	8.17E-24
0.00345	0.39333	9.94E-19	0.244367	8.90E-08	0.31826228	1.88E-12	0.589177	5.54E-45
0.12212	0.263288	7.62E-09	-0.07609	0.10053	-0.0921068	0.04666	0.064842	0.16182
0.88066	0.217801	2.02E-06	0.025435	0.5835	0.1375941	0.00289	0.423249	1.01E-21
0.20954	0.395133	6.69E-19	0.228715	5.86E-07	0.3077805	1.05E-11	0.553132	8.82E-39
0.0822	0.36197	6.65E-16	0.283714	4.28E-10	0.41563578	6.24E-21	0.608904	1.01E-48
0.00047	0.457829	1.42E-25	0.249636	4.58E-08	0.00979062	0.83288	0.152299	0.00096



0.01656	0.429754	2.06E-22	0.221978	1.27E-06	0.07825547	0.09119	0.347428	1.08E-14
3.52E-05	0.411049	1.83E-20	0.475042	1.16E-27	0.20462584	8.30E-06	0.270294	2.92E-09
0.00284	0.659351	1.40E-59	0.601533	2.71E-47	0.02440958	0.59878	0.085977	0.06339
0.0062	0.432067	1.16E-22	0.502518	2.99E-31	-0.0550124	0.23541	0.000273	0.9953
0.12833	0.340328	3.98E-14	0.300532	3.33E-11	0.35447361	2.84E-15	0.585959	2.13E-44
0.0345	0.564063	1.40E-40	0.218572	1.86E-06	-0.074506	0.10783	0.071069	0.12512
0.57986	0.474054	1.54E-27	0.346078	1.38E-14	0.21325075	3.33E-06	0.433502	8.10E-23
0.03725	0.336093	8.54E-14	0.213879	3.11E-06	0.30306449	2.24E-11	0.566874	4.69E-41
0.80084	0.202341	1.05E-05	0.127568	0.00577	0.52280256	4.07E-34	0.745311	6.73E-84
0.00363	0.495118	2.98E-30	0.199591	1.39E-05	-0.0451875	0.32986	0.072234	0.11904
0.83217	0.462104	4.41E-26	0.227416	6.82E-07	-0.0793066	0.08691	0.041532	0.37052
0.04787	0.509731	3.01E-32	0.354273	2.95E-15	0.17000622	0.00022	0.346149	1.36E-14
0.2848	0.214638	2.86E-06	0.103154	0.0258	0.1261961	0.00632	0.365536	3.29E-16
0.13581	0.461473	5.25E-26	0.219967	1.59E-06	0.20302927	9.78E-06	0.492048	7.61E-30
2.72E-05	0.199216	1.44E-05	0.217148	2.17E-06	0.29748442	5.36E-11	0.321723	1.05E-12
0.34135	0.213764	3.15E-06	0.279127	8.34E-10	0.27281896	2.05E-09	0.460349	7.14E-26
0.05808	0.252002	3.38E-08	0.190701	3.35E-05	0.18545976	5.53E-05	0.444969	4.33E-24
0.03154	0.45532	2.80E-25	0.17279	0.00018	-0.1618935	0.00044	0.058037	0.21061
0.68145	0.330233	2.41E-13	0.206026	7.17E-06	0.44549035	3.78E-24	0.638147	9.07E-55
7.33E-06	0.255081	2.27E-08	0.094444	0.04135	0.00980068	0.83271	0.254173	2.55E-08
0.00962	0.615896	4.14E-50	0.461216	5.63E-26	0.40886462	3.03E-20	0.576786	9.17E-43
0.25733	0.265418	5.71E-09	0.034624	0.4554	0.20601168	7.18E-06	0.508829	4.02E-32
0.17095	0.281427	5.98E-10	0.126084	0.00637	-0.0230304	0.6196	0.154417	0.00081
0.01246	0.185574	5.47E-05	0.233683	3.27E-07	0.40453714	8.16E-20	0.545984	1.22E-37
0.26925	0.339591	4.55E-14	0.159536	0.00054	0.1876244	4.50E-05	0.466793	1.20E-26
0.81401	0.482773	1.22E-28	0.278222	9.50E-10	0.18667795	4.93E-05	0.309981	7.37E-12
0.68495	0.470711	3.99E-27	0.215947	2.48E-06	0.21124556	4.13E-06	0.491036	1.03E-29
0.29145	0.184947	5.80E-05	0.053566	0.24796	0.13738295	0.00293	0.436364	3.94E-23
0.89394	0.4257	5.57E-22	0.258623	1.42E-08	0.52372816	2.98E-34	0.746133	3.53E-84
0.00867	0.433718	7.67E-23	0.383229	8.73E-18	0.10992417	0.01749	0.298384	4.66E-11
0.01456	0.432715	9.86E-23	0.333714	1.31E-13	0.12888456	0.00528	0.384806	6.25E-18
0.01754	0.548369	5.13E-38	0.316118	2.69E-12	-0.2326381	3.70E-07	-0.20242	1.04E-05
1.12E-05	0.409037	2.91E-20	0.207894	5.89E-06	0.23992889	1.54E-07	0.485235	5.90E-29
0.17606	0.303554	2.07E-11	0.144721	0.00172	0.10405597	0.02453	0.340351	3.96E-14
0.00574	0.393169	1.03E-18	0.484397	7.56E-29	0.20928622	5.09E-06	0.269871	3.09E-09
2.88E-06	0.555042	4.32E-39	0.273259	1.93E-09	0.02486564	0.59196	0.205962	7.22E-06
0.02256	0.261566	9.61E-09	0.308463	9.43E-12	0.17370761	0.00016	0.219194	1.73E-06
0.01815	0.499355	8.04E-31	0.304178	1.87E-11	0.00104424	0.98204	0.23704	2.19E-07
0.14096	0.260125	1.16E-08	0.095983	0.03813	0.19852053	1.55E-05	0.518072	1.97E-33
0.27934	0.278477	9.16E-10	0.151992	0.00098	0.50702816	7.16E-32	0.713608	6.94E-74
0.04107	0.294784	8.13E-11	0.244389	8.87E-08	0.28080336	6.55E-10	0.504473	1.61E-31
0.00099	0.504002	1.87E-31	0.269301	3.35E-09	0.07244383	0.11796	0.308362	9.58E-12
3.00E-05	0.2173	2.14E-06	0.056291	0.22469	0.15144495	0.00103	0.433567	7.97E-23
0.24387	0.199515	1.40E-05	0.132593	0.0041	0.14013919	0.0024	0.416213	5.44E-21
0.26781	0.238235	1.89E-07	0.221699	1.31E-06	0.2233362	1.09E-06	0.194664	2.28E-05

0.75426	0.261835	9.27E-09	0.171626	0.00019	0.33178942	1.83E-13	0.392722	1.14E-18
0.39355	0.324432	6.60E-13	0.194953	2.21E-05	0.13274287	0.00406	0.25246	3.19E-08
0.50133	0.387564	3.47E-18	0.277247	1.09E-09	0.52481508	2.06E-34	0.631893	2.02E-53
0.24623	0.352658	4.02E-15	0.080783	0.08118	-0.0156417	0.73602	0.101772	0.02787
0.04873	0.368523	1.81E-16	0.11455	0.01325	-0.0375189	0.41857	0.108559	0.01894
0.00392	-0.10605	0.0219	-0.10031	0.03021	-0.12921	0.00517	-0.17817	0.00011
0.00885	-0.07691	0.09689	-0.09414	0.04202	-0.1532346	0.00089	-0.21738	2.12E-06
0.14564	-0.08252	0.07483	-0.08885	0.05502	0.06301883	0.17397	0.167542	0.00028
0.27372	-0.10546	0.02265	0.095863	0.03837	0.0039395	0.93234	0.079897	0.08458
0.00799	0.121149	0.00877	0.138134	0.00278	-0.0365131	0.43116	-0.11943	0.00979
0.00072	0.014016	0.76259	0.147023	0.00144	0.32501838	5.96E-13	0.314873	3.30E-12
0.40153	-0.14425	0.00178	-0.10056	0.02979	0.15059331	0.0011	0.223164	1.11E-06
0.99134	-0.18984	3.64E-05	-0.13796	0.00281	-0.1226223	0.00798	-0.09298	0.04462
0.77712	-0.20307	9.75E-06	-0.06072	0.19023	0.13139111	0.00445	0.187828	4.42E-05
0.99026	-0.05058	0.2754	-0.09487	0.04044	-0.2237666	1.04E-06	-0.25292	3.00E-08
0.20171	-0.15072	0.00109	-0.04291	0.35484	0.00416144	0.92853	-0.12328	0.00765
0.05006	0.153148	0.0009	0.144983	0.00168	-0.1064424	0.02141	-0.19066	3.37E-05
0.13315	-0.07075	0.12685	0.014018	0.76256	0.08527565	0.06559	0.179358	9.73E-05
0.00652	-0.1346	0.00357	-0.02178	0.63866	-0.1717891	0.00019	-0.2943	8.75E-11
0.68874	-0.11559	0.01243	0.054494	0.23986	-0.1254873	0.00662	-0.21159	3.98E-06
0.51486	-0.0899	0.0522	0.162536	0.00042	0.01118056	0.80958	-0.12234	0.00813
0.20072	-0.34883	8.27E-15	-0.09625	0.0376	-0.1589511	0.00057	-0.22472	9.29E-07
0.85358	-0.10593	0.02205	-0.02148	0.64337	-0.1889744	3.96E-05	-0.29683	5.93E-11
0.16689	-0.12731	0.00587	0.072363	0.11837	0.13321388	0.00393	-0.00435	0.92536
0.49766	0.105686	0.02236	0.013205	0.77594	-0.0484617	0.29599	-0.04218	0.36311
2.10E-05	0.007311	0.8748	0.105563	0.02252	-0.1994692	1.41E-05	-0.34373	2.13E-14
0.00019	-0.04583	0.32299	0.046029	0.32093	0.01391147	0.7643	-0.0891	0.05434
0.06547	-0.45255	5.87E-25	-0.29827	4.75E-11	-0.0322874	0.4864	-0.1695	0.00023
0.81346	-0.13871	0.00266	-0.03426	0.4602	-0.1005848	0.02975	-0.25447	2.46E-08
0.6479	0.014605	0.75291	0.064081	0.16681	-0.0764666	0.09885	-0.18619	5.16E-05
0.49672	-0.08179	0.07745	-0.01823	0.69436	-0.1210767	0.00882	-0.25087	3.91E-08
0.02731	-0.24658	6.74E-08	0.040595	0.38142	0.02498853	0.59013	-0.14516	0.00166
0.15362	0.009166	0.84339	-0.11964	0.00966	-0.0185925	0.68861	-0.06699	0.14837
0.38981	-0.15948	0.00054	-0.0198	0.66947	0.13514651	0.00343	0.000114	0.99805
0.99847	-0.06802	0.14216	-0.01567	0.73549	-0.2412264	1.31E-07	-0.35045	6.11E-15
0.24375	0.004338	0.92552	0.08129	0.07928	-0.1581687	0.0006	-0.28185	5.62E-10
0.00638	-0.04708	0.31	0.007547	0.87079	-0.0991111	0.03225	-0.19992	1.34E-05
0.52092	0.184334	6.14E-05	0.298986	4.24E-11	0.12603602	0.00639	0.038535	0.40607
0.03958	0.166024	0.00031	0.138546	0.0027	-0.1457468	0.00159	-0.153	0.00091
0.03699	0.001897	0.96739	-0.03955	0.39377	-0.0838768	0.07015	-0.2315	4.23E-07
0.08308	-0.16921	0.00024	0.054774	0.23745	0.0880041	0.05738	-0.03743	0.41972
0.81795	-0.22419	9.87E-07	-0.13309	0.00396	0.10982915	0.01758	0.228446	6.05E-07
0.00189	-0.24189	1.21E-07	-0.19968	1.38E-05	-0.1021832	0.02724	-0.21061	4.42E-06
2.12E-05	0.242735	1.09E-07	0.315422	3.02E-12	0.10480087	0.02352	0.039423	0.39533
0.08903	0.270944	2.66E-09	0.102498	0.02677	-0.249212	4.83E-08	-0.4131	1.13E-20

0.02581	-0.03339	0.47168	-0.0957	0.0387	-0.2206644	1.47E-06	-0.39	2.05E-18
1.40E-05	0.082753	0.074	0.034676	0.45472	-0.1820288	7.61E-05	-0.34374	2.13E-14
8.84E-08	0.362974	5.46E-16	0.408236	3.50E-20	-0.0360916	0.4365	-0.26099	1.04E-08
0.00544	-0.03167	0.49473	0.112015	0.01544	0.42053674	1.94E-21	0.452306	6.28E-25
0.06724	0.205155	7.85E-06	0.157303	0.00065	-0.2586344	1.42E-08	-0.41386	9.48E-21
0.51972	0.278771	8.78E-10	0.260979	1.04E-08	0.02317918	0.61733	-0.14751	0.00139
0.82635	0.383833	7.68E-18	0.441474	1.07E-23	-0.0811738	0.07971	-0.27561	1.38E-09
0.07907	0.224531	9.49E-07	0.079375	0.08664	-0.3199174	1.42E-12	-0.40984	2.42E-20
0.44454	0.405072	7.22E-20	0.358088	1.42E-15	-0.204658	8.27E-06	-0.33288	1.51E-13
0.02396	0.353523	3.41E-15	0.046183	0.31931	-0.3384129	5.63E-14	-0.4439	5.73E-24
0.70927	0.084887	0.06683	0.167457	0.00028	-0.4090327	2.91E-20	-0.61428	8.74E-50
0.0719	0.234868	2.84E-07	0.183733	6.50E-05	-0.5639263	1.47E-40	-0.63808	9.39E-55
0.00965	0.285575	3.25E-10	0.249963	4.39E-08	-0.336441	8.02E-14	-0.5294	4.32E-35
0.01452	0.313754	3.97E-12	0.15828	0.0006	-0.4877512	2.78E-29	-0.48892	1.96E-29
0.00243	0.14339	0.00189	0.083664	0.07087	-0.572441	5.23E-42	-0.71245	1.51E-73
0.15215	0.370215	1.29E-16	0.130254	0.00481	-0.3990886	2.78E-19	-0.53433	7.80E-36
0.0011	0.30263	2.40E-11	0.265305	5.79E-09	-0.4190821	2.75E-21	-0.493	5.69E-30
0.00012	0.270236	2.94E-09	0.234419	2.99E-07	-0.5224246	4.62E-34	-0.55034	2.49E-38
0.0616	0.120459	0.00917	-0.02321	0.61683	-0.3816212	1.23E-17	-0.45688	1.84E-25
2.17E-05	0.242657	1.10E-07	0.192367	2.85E-05	-0.4615362	5.16E-26	-0.6806	8.18E-65
7.86E-05	0.400319	2.11E-19	0.326523	4.60E-13	-0.2768641	1.15E-09	-0.43284	9.56E-23
0.00465	0.031164	0.5017	0.088226	0.05675	-0.3678029	2.09E-16	-0.50466	1.52E-31
0.00879	0.371003	1.10E-16	0.500909	4.95E-31	-0.0298511	0.5199	-0.24809	5.57E-08
1.40E-09	0.204548	8.36E-06	0.20249	1.03E-05	-0.1490098	0.00124	-0.35843	1.33E-15
0.25729	0.254926	2.31E-08	0.146898	0.00146	-0.0930851	0.04437	-0.31326	4.31E-12
0.03544	0.222659	1.17E-06	0.131696	0.00436	-0.3616279	7.11E-16	-0.41711	4.40E-21
0.00295	0.162312	0.00043	0.209724	4.85E-06	0.02529022	0.58565	-0.27482	1.55E-09
0.22518	0.125913	0.00644	0.021115	0.64901	0.02122177	0.64736	-0.18233	7.41E-05
0.00825	0.172931	0.00017	-0.07802	0.09218	-0.2845632	3.78E-10	-0.40562	6.38E-20
0.00309	0.283865	4.19E-10	0.217069	2.19E-06	-0.4028263	1.20E-19	-0.62267	1.73E-51
0.88442	0.194094	2.41E-05	0.113554	0.01408	-0.0915222	0.04808	-0.28477	3.67E-10
0.02248	0.406582	5.12E-20	0.498871	9.35E-31	-0.2143024	2.97E-06	-0.36332	5.10E-16
0.04623	0.218423	1.89E-06	0.000893	0.98465	-0.5167066	3.10E-33	-0.4635	3.00E-26
0.00068	0.27446	1.62E-09	0.081149	0.0798	-0.4623375	4.14E-26	-0.55719	1.93E-39
0.23269	-0.02478	0.59318	-0.21321	3.34E-06	-0.4975892	1.39E-30	-0.71833	2.74E-75
0.54703	0.215913	2.49E-06	0.228972	5.69E-07	-0.211532	4.00E-06	-0.32363	7.57E-13
0.20031	0.270929	2.67E-09	0.151159	0.00105	-0.3680722	1.98E-16	-0.53487	6.46E-36
0.12202	0.117014	0.01139	-0.07902	0.08807	-0.2796972	7.68E-10	-0.44336	6.58E-24
0.01736	0.271012	2.64E-09	0.367021	2.44E-16	-0.2245966	9.42E-07	-0.39169	1.42E-18
0.23488	0.332232	1.70E-13	0.224777	9.23E-07	-0.1709571	0.00021	-0.37045	1.23E-16
0.68846	0.150485	0.00111	0.138016	0.0028	-0.2925382	1.15E-10	-0.41082	1.93E-20
0.00037	0.336738	7.61E-14	0.040389	0.38384	-0.2391277	1.70E-07	-0.43184	1.23E-22
0.72434	0.197816	1.66E-05	0.428837	2.58E-22	0.2037755	9.06E-06	-0.01459	0.75321
0.03056	0.215232	2.68E-06	0.294101	9.02E-11	-0.2536872	2.72E-08	-0.43846	2.31E-23
0.06672	0.05366	0.24714	-0.1609	0.00048	-0.5107386	2.17E-32	-0.66702	2.02E-61

0.23016	0.177709	0.00011	0.253729	2.70E-08	-0.1066077	0.02121	-0.30738	1.12E-11
0.84515	0.022931	0.62111	-0.12563	0.00656	-0.1866254	4.95E-05	-0.33067	2.23E-13
0.19428	0.162054	0.00044	0.027009	0.56043	-0.0384455	0.40716	-0.24701	6.38E-08
0.00106	0.498831	9.46E-31	0.364509	4.03E-16	-0.1697381	0.00023	-0.36889	1.68E-16
0.24128	0.45834	1.24E-25	0.294274	8.79E-11	-0.3486443	8.57E-15	-0.48132	1.87E-28
0.00015	0.278775	8.78E-10	0.145527	0.00161	-0.20284	9.98E-06	-0.38326	8.67E-18
0.00626	0.409738	2.48E-20	0.388382	2.91E-18	-0.1171185	0.01131	-0.29494	7.94E-11
0.20891	0.413004	1.16E-20	0.252059	3.35E-08	-0.3404915	3.86E-14	-0.35536	2.40E-15
0.00015	0.332412	1.64E-13	0.298803	4.37E-11	-0.0995894	0.03142	-0.26113	1.02E-08
0.38799	0.075652	0.10251	-0.07519	0.10462	-0.1499543	0.00115	-0.34529	1.60E-14
0.32987	0.32811	3.49E-13	0.225561	8.44E-07	-0.370283	1.27E-16	-0.42313	1.04E-21
0.00013	0.254891	2.32E-08	0.467327	1.03E-26	-0.0280809	0.54496	-0.2328	3.63E-07
0.31658	-0.13412	0.00369	-0.04966	0.28417	-0.4273771	3.70E-22	-0.65497	1.48E-58
0.4983	0.131845	0.00432	0.071436	0.12318	-0.3309857	2.11E-13	-0.51846	1.74E-33
0.00046	0.164434	0.00036	0.391415	1.51E-18	-0.1482495	0.00131	-0.32585	5.17E-13
0.4286	-0.14612	0.00154	-0.16985	0.00023	-0.3186924	1.75E-12	-0.41871	3.01E-21
0.00033	0.082866	0.07361	0.134569	0.00357	-0.2853183	3.38E-10	-0.43596	4.36E-23
0.28473	0.282843	4.86E-10	0.115824	0.01226	-0.1639714	0.00037	-0.38273	9.70E-18
0.1405	0.222828	1.15E-06	0.296059	6.68E-11	-0.2230941	1.12E-06	-0.35799	1.44E-15
0.14094	-0.01372	0.7675	0.080587	0.08192	-0.1465178	0.0015	-0.31687	2.37E-12
0.52261	0.469876	5.05E-27	0.425721	5.54E-22	-0.1381953	0.00276	-0.29225	1.20E-10
0.43665	0.164732	0.00035	0.365863	3.08E-16	0.10519916	0.02299	-0.16372	0.00038
0.25603	0.196319	1.93E-05	0.05841	0.20769	-0.5418844	5.38E-37	-0.55249	1.12E-38
0.29558	0.232747	3.65E-07	0.164449	0.00036	-0.3688083	1.71E-16	-0.60891	1.01E-48
0.00028	0.234142	3.09E-07	0.071848	0.12102	-0.4150302	7.20E-21	-0.39883	2.95E-19
0.95659	0.242765	1.09E-07	0.131173	0.00452	-0.1550065	0.00078	-0.25599	2.01E-08
0.00519	0.165883	0.00032	0.291187	1.41E-10	-0.2141919	3.00E-06	-0.30116	3.02E-11
0.00494	0.095114	0.03992	0.375204	4.65E-17	-0.2498583	4.45E-08	-0.43875	2.15E-23
0.00051	0.165492	0.00033	-0.06757	0.14486	-0.5050945	1.32E-31	-0.67106	2.06E-62
0.08384	0.230378	4.83E-07	0.269766	3.14E-09	-0.310878	6.37E-12	-0.5465	1.01E-37
0.00247	0.155387	0.00075	-0.02624	0.5717	-0.5627398	2.32E-40	-0.73977	4.80E-82
0.193	0.37267	7.82E-17	0.235525	2.62E-07	-0.4210833	1.70E-21	-0.42655	4.53E-22
0.0001	0.261219	1.01E-08	0.175053	0.00014	-0.337968	6.10E-14	-0.46988	5.04E-27
0.03482	0.119725	0.00961	0.152099	0.00098	-0.3843615	6.87E-18	-0.4204	2.01E-21
0.31686	0.015768	0.73396	-0.10035	0.03014	-0.2221559	1.24E-06	-0.34051	3.85E-14
5.18E-05	-0.07281	0.11612	-0.01067	0.81819	-0.1862139	5.15E-05	-0.31833	1.86E-12
0.00056	0.322253	9.57E-13	0.081578	0.07822	-0.5876803	1.04E-44	-0.69475	1.49E-68
0.00515	0.0501	0.27994	0.001768	0.96961	-0.1788813	0.0001	-0.30244	2.47E-11
0.44676	0.197798	1.67E-05	0.151262	0.00104	-0.0527035	0.25568	-0.27657	1.20E-09
0.0394	0.307663	1.07E-11	0.059515	0.1992	-0.342234	2.81E-14	-0.44747	2.25E-24
0.00967	0.384281	6.99E-18	0.40054	2.01E-19	-0.0300475	0.51715	-0.22555	8.45E-07
0.18381	0.140307	0.00237	0.020964	0.65136	-0.1991458	1.45E-05	-0.36447	4.06E-16
0.91604	0.103463	0.02536	0.167463	0.00028	-0.1735102	0.00016	-0.4188	2.95E-21
0.12796	0.263048	7.87E-09	0.08142	0.0788	-0.1397335	0.00247	-0.32073	1.24E-12
0.02556	0.217512	2.09E-06	0.236726	2.27E-07	-0.2498596	4.45E-08	-0.3914	1.51E-18

0.00815	0.000603	0.98964	-0.01146	0.80495	-0.3078433	1.04E-11	-0.54193	5.29E-37
0.70656	-0.10863	0.01887	-0.0454	0.32763	-0.5468999	8.77E-38	-0.77548	6.47E-95
0.11176	0.33025	2.40E-13	0.286093	3.01E-10	-0.1547654	0.00079	-0.3664	2.77E-16
0.1635	0.323457	7.79E-13	0.25547	2.15E-08	-0.3578384	1.49E-15	-0.41192	1.49E-20
0.0321	0.370751	1.15E-16	0.233246	3.44E-07	-0.2298249	5.15E-07	-0.42519	6.31E-22
0.58182	0.298817	4.36E-11	0.374655	5.21E-17	-0.0250886	0.58864	-0.25058	4.06E-08
0.75455	0.160119	0.00051	0.384935	6.08E-18	0.10242587	0.02687	-0.17645	0.00013
0.24281	0.238878	1.75E-07	0.035009	0.4504	-0.2249717	9.03E-07	-0.38133	1.30E-17
0.78934	0.131367	0.00446	-0.17919	9.88E-05	-0.2111484	4.17E-06	-0.35102	5.48E-15
0.60195	0.106993	0.02075	0.20254	1.03E-05	0.61982371	6.64E-51	0.795681	#####
0.02949	0.360773	8.41E-16	0.286931	2.66E-10	-0.1396053	0.0025	-0.37354	6.54E-17
0.77541	0.319873	1.43E-12	0.410924	1.88E-20	-0.0846146	0.06771	-0.28982	1.73E-10
0.42837	-0.0797	0.08537	-0.13698	0.00302	-0.217086	2.19E-06	-0.377	3.21E-17
3.74E-06	0.314497	3.52E-12	0.100601	0.02973	-0.3148834	3.30E-12	-0.31758	2.10E-12
0.2308	0.010035	0.82878	-0.08328	0.07218	-0.341828	3.03E-14	-0.60772	1.73E-48
0.00663	0.129507	0.00506	-0.02289	0.62166	-0.4166135	4.95E-21	-0.60351	1.13E-47
0.38192	0.041009	0.37659	-0.03074	0.50758	-0.395765	5.82E-19	-0.64949	2.70E-57
0.36526	0.090719	0.05008	0.019969	0.66688	-0.0858	0.06394	-0.31353	4.12E-12
0.03059	0.22614	7.90E-07	0.008231	0.8592	-0.5649533	9.89E-41	-0.64616	1.53E-56
0.00077	0.497111	1.61E-30	0.444812	4.51E-24	-0.2673508	4.38E-09	-0.37915	2.05E-17
0.0013	0.329815	2.59E-13	0.237631	2.04E-07	-0.242039	1.19E-07	-0.37043	1.23E-16
0.00691	0.118329	0.01049	-0.03828	0.4092	-0.6024564	1.80E-47	-0.7839	2.65E-98
0.00104	0.264087	6.84E-09	0.137786	0.00285	-0.2429079	1.07E-07	-0.39453	7.64E-19
0.02046	0.418255	3.35E-21	0.228796	5.81E-07	-0.4037771	9.69E-20	-0.4922	7.27E-30
0.00066	0.021532	0.64257	0.00073	0.98744	0.06783104	0.1433	-0.16406	0.00037
0.02448	0.225024	8.97E-07	0.422459	1.22E-21	-0.0994694	0.03162	-0.27509	1.49E-09
0.02323	-0.00534	0.9083	0.086812	0.06086	-0.1645649	0.00036	-0.33084	2.17E-13
0.70347	0.314237	3.67E-12	0.049133	0.28934	-0.4530066	5.20E-25	-0.47068	4.02E-27
0.49093	0.199904	1.35E-05	0.428729	2.65E-22	-0.1116411	0.01579	-0.35143	5.08E-15
0.13452	-0.05828	0.20868	-0.06084	0.18938	-0.1682723	0.00026	-0.33369	1.31E-13
0.11574	0.127124	0.00594	-0.1806	8.69E-05	-0.42543	5.95E-22	-0.33142	1.96E-13
0.08895	-0.02523	0.58652	-0.10569	0.02236	-0.1168916	0.01147	-0.26619	5.13E-09
0.39747	-0.12426	0.00718	-0.21065	4.40E-06	0.29659802	6.15E-11	0.348455	8.88E-15
0.00765	0.02788	0.54784	-0.08583	0.06385	-0.5277749	7.53E-35	-0.64723	8.77E-57
0.12564	0.219075	1.76E-06	0.210469	4.48E-06	-0.3905844	1.81E-18	-0.54583	1.30E-37
0.74338	0.43966	1.70E-23	0.458992	1.04E-25	-0.1547272	0.00079	-0.40924	2.77E-20
0.00775	0.389089	2.50E-18	0.315708	2.88E-12	-0.2174626	2.10E-06	-0.33998	4.24E-14
0.00723	-0.23096	4.51E-07	-0.09782	0.03458	0.31907899	1.64E-12	0.368369	1.87E-16
0.17436	0.211373	4.07E-06	0.310832	6.42E-12	-0.2735594	1.85E-09	-0.40728	4.36E-20
0.03185	0.358143	1.40E-15	0.263598	7.31E-09	-0.3643111	4.19E-16	-0.47099	3.69E-27
0.56067	0.111791	0.01565	0.204134	8.73E-06	-0.2525993	3.13E-08	-0.42024	2.09E-21
0.05912	0.151771	0.001	0.02942	0.52595	-0.2403646	1.46E-07	-0.31308	4.44E-12
0.82692	0.186422	5.05E-05	-0.00273	0.95311	-0.1499899	0.00115	-0.31521	3.13E-12
0.17918	0.073909	0.11069	0.076965	0.09667	0.35295991	3.79E-15	0.417681	3.84E-21
0.0207	0.386207	4.64E-18	0.33068	2.23E-13	-0.2660125	5.26E-09	-0.43086	1.56E-22

0.6306	0.108579	0.01892	0.007133	0.87782	-0.4319012	1.21E-22	-0.60866	1.13E-48
0.00898	0.425009	6.60E-22	0.469209	6.10E-27	-0.0003804	0.99346	-0.22255	1.19E-06
0.12201	0.084045	0.06959	-0.00636	0.89102	-0.134587	0.00357	-0.29551	7.27E-11
0.36998	0.14413	0.00179	0.099281	0.03195	0.50562432	1.12E-31	0.746427	2.81E-84
0.19906	0.383198	8.79E-18	0.39836	3.27E-19	0.05130054	0.26857	-0.25737	1.68E-08
0.06486	0.394197	8.22E-19	0.341372	3.29E-14	-0.152992	0.00091	-0.37229	8.44E-17
0.70028	-0.10257	0.02666	0.026794	0.56356	-0.1168517	0.0115	-0.33392	1.26E-13
0.50408	0.338914	5.14E-14	0.418237	3.37E-21	-0.0738	0.11122	-0.10167	0.02802
0.00941	0.211426	4.05E-06	0.407192	4.45E-20	-0.0005915	0.98983	-0.2118	3.89E-06
0.85369	-0.17184	0.00019	-0.05906	0.20269	0.52847628	5.92E-35	0.71358	7.07E-74
0.00881	0.250142	4.29E-08	0.060828	0.18945	-0.3295519	2.72E-13	-0.44131	1.12E-23
0.00197	0.054031	0.24388	-0.03556	0.44332	-0.1867342	4.90E-05	-0.26596	5.30E-09
0.46552	0.297044	5.74E-11	0.189721	3.68E-05	-0.3386085	5.43E-14	-0.501	4.82E-31
0.0002	0.106947	0.0208	0.209576	4.93E-06	-0.2655622	5.59E-09	-0.42721	3.85E-22
0.45459	0.228146	6.26E-07	0.31302	4.49E-12	-0.1102796	0.01712	-0.286	3.06E-10
0.64759	0.343306	2.31E-14	0.233453	3.36E-07	0.00299452	0.94854	-0.23826	1.89E-07
0.00054	0.322552	9.10E-13	0.245016	8.20E-08	-0.4071524	4.49E-20	-0.63337	9.77E-54
0.00132	0.416729	4.82E-21	0.370069	1.33E-16	-0.3768265	3.33E-17	-0.52551	1.63E-34
0.00068	0.35913	1.16E-15	0.259001	1.35E-08	-0.1537133	0.00086	-0.26434	6.61E-09
6.50E-06	0.348165	9.37E-15	0.371423	1.01E-16	-0.3490103	8.00E-15	-0.4426	8.01E-24
0.00203	0.252016	3.37E-08	0.196199	1.95E-05	-0.3683063	1.89E-16	-0.50014	6.30E-31
0.11807	0.344542	1.84E-14	0.07584	0.10165	-0.3589825	1.19E-15	-0.42272	1.15E-21
0.20796	0.023694	0.60953	-0.02264	0.6255	-0.4242748	7.88E-22	-0.65232	6.08E-58
0.35411	0.085612	0.06453	0.019098	0.6806	-0.40209	1.42E-19	-0.56306	2.05E-40
0.02882	0.138752	0.00266	0.113867	0.01381	-0.4809941	2.06E-28	-0.67449	2.89E-63
0.10104	0.35719	1.69E-15	0.281301	6.09E-10	-0.1519603	0.00099	-0.24082	1.38E-07
0.04815	0.410336	2.15E-20	0.393183	1.03E-18	-0.0992766	0.03196	-0.26848	3.75E-09
0.89883	-0.15519	0.00076	-0.18919	3.88E-05	-0.4416721	1.02E-23	-0.67575	1.40E-63
0.85916	0.265035	6.01E-09	0.09846	0.0334	-0.5923033	1.47E-45	-0.68739	1.39E-66
0.60145	0.32361	7.59E-13	0.085287	0.06555	-0.2550598	2.27E-08	-0.36338	5.03E-16
0.31702	0.1003	0.03022	0.000116	0.998	-0.234089	3.11E-07	-0.42952	2.18E-22
0.00064	0.359912	9.95E-16	0.021381	0.64491	-0.5751535	1.77E-42	-0.58971	4.42E-45
0.99804	0.271603	2.43E-09	0.05307	0.25238	-0.3817491	1.19E-17	-0.40866	3.18E-20
5.46E-09	0.423754	8.95E-22	0.327314	4.01E-13	-0.2775809	1.04E-09	-0.33339	1.38E-13
0.15584	-0.01466	0.75203	0.061846	0.18214	0.30501349	1.64E-11	0.375757	4.15E-17
0.0013	0.330536	2.29E-13	0.220352	1.52E-06	-0.0440168	0.34256	-0.24193	1.20E-07
0.02981	0.189886	3.63E-05	0.142777	0.00198	-0.1057121	0.02233	-0.26633	5.04E-09
0.76913	0.286958	2.65E-10	0.082103	0.07631	-0.0562947	0.22466	-0.26741	4.34E-09
0.09251	0.327689	3.76E-13	0.226503	7.57E-07	-0.0196904	0.67126	-0.22063	1.48E-06
0.40139	0.193549	2.54E-05	0.179389	9.70E-05	-0.5131856	9.82E-33	-0.58563	2.44E-44
0.68451	0.289364	1.85E-10	0.252829	3.04E-08	-0.3414957	3.22E-14	-0.50445	1.62E-31
0.14478	0.124834	0.00691	0.027229	0.55723	-0.5076351	5.89E-32	-0.73658	5.35E-81
0.0124	0.131594	0.00439	0.15485	0.00079	-0.3189341	1.68E-12	-0.59968	6.12E-47
0.08587	0.485105	6.13E-29	0.393755	9.05E-19	-0.0959264	0.03825	-0.28793	2.29E-10
0.17058	-0.05642	0.2236	0.111743	0.0157	-0.2086207	5.46E-06	-0.31723	2.23E-12

0.36495	0.168041	0.00026	0.127993	0.00561	-0.1576114	0.00063	-0.33344	1.37E-13
0.00061	0.125943	0.00643	-0.0197	0.67111	-0.5950348	4.58E-46	-0.66006	9.50E-60
0.91165	0.363203	5.22E-16	0.260449	1.12E-08	-0.1523776	0.00096	-0.28135	6.05E-10
0.04704	0.043634	0.34678	0.003053	0.94754	-0.5578982	1.47E-39	-0.77581	4.79E-95
0.13241	0.071914	0.12068	-0.01792	0.69929	-0.504484	1.61E-31	-0.70781	3.36E-72
0.3671	-0.0344	0.45836	-0.20479	8.15E-06	-0.5249413	1.97E-34	-0.74324	3.38E-83
0.55706	0.240293	1.47E-07	0.208076	5.78E-06	-0.2146213	2.87E-06	-0.3422	2.83E-14
0.87572	0.173568	0.00016	0.173173	0.00017	-0.3408753	3.60E-14	-0.50673	7.87E-32
0.00359	0.323531	7.70E-13	0.279314	8.12E-10	-0.3548011	2.67E-15	-0.49797	1.24E-30
0.23889	0.314941	3.27E-12	0.283001	4.75E-10	-0.3504942	6.05E-15	-0.51918	1.36E-33
0.00029	0.28515	3.46E-10	0.366139	2.92E-16	-0.3562836	2.01E-15	-0.439	2.01E-23
0.09751	0.32578	5.23E-13	0.083661	0.07088	-0.2226622	1.17E-06	-0.22022	1.55E-06
0.00034	0.099174	0.03214	0.155037	0.00077	-0.36927	1.56E-16	-0.66452	8.18E-61
1.35E-05	0.414145	8.86E-21	0.322416	9.31E-13	-0.3477056	1.02E-14	-0.43596	4.36E-23
0.02391	0.090587	0.05042	0.005078	0.91285	-0.3814057	1.28E-17	-0.36078	8.39E-16
0.71173	0.094283	0.04169	-0.02365	0.61025	-0.4656666	1.64E-26	-0.64082	2.36E-55
0.00154	0.325484	5.50E-13	0.313714	4.00E-12	-0.3433627	2.28E-14	-0.55715	1.96E-39
0.11614	0.114867	0.013	-0.01922	0.67874	-0.3623227	6.21E-16	-0.64911	3.30E-57
0.03289	0.133174	0.00394	0.04492	0.33274	-0.2465222	6.79E-08	-0.41243	1.32E-20
0.00604	0.328909	3.04E-13	0.356678	1.86E-15	-0.2665757	4.87E-09	-0.47005	4.81E-27
0.70308	0.480873	2.14E-28	0.272335	2.19E-09	-0.3643386	4.17E-16	-0.50364	2.10E-31
0.67908	0.128346	0.00548	-0.08028	0.08309	-0.3188972	1.69E-12	-0.43587	4.46E-23
0.4909	0.246786	6.57E-08	0.27775	1.02E-09	-0.2673927	4.35E-09	-0.37766	2.80E-17
0.26761	0.480496	2.38E-28	0.266332	5.04E-09	-0.3514747	5.03E-15	-0.45662	1.97E-25
0.05138	0.134113	0.00369	0.076235	0.09988	-0.1744296	0.00015	-0.4336	7.89E-23
0.00104	0.439909	1.60E-23	0.467085	1.11E-26	-0.1227732	0.00791	-0.38104	1.39E-17
0.00325	-0.22417	9.89E-07	-0.03361	0.46874	0.27096514	2.66E-09	0.350046	6.59E-15
0.00119	0.189149	3.89E-05	0.378707	2.25E-17	-0.1845869	6.00E-05	-0.38587	4.98E-18
0.05086	0.544383	2.19E-37	0.411995	1.47E-20	-0.249687	4.55E-08	-0.43162	1.30E-22
0.86799	-0.12224	0.00818	-0.03403	0.46319	0.28460517	3.75E-10	0.409553	2.58E-20
0.11193	0.242005	1.19E-07	0.142566	0.00201	-0.2745815	1.60E-09	-0.41328	1.08E-20
0.00049	0.021835	0.63789	-0.19883	1.50E-05	-0.2847193	3.69E-10	-0.35623	2.03E-15
0.19727	0.221145	1.39E-06	0.297946	4.99E-11	-0.3036781	2.03E-11	-0.42592	5.29E-22
0.66953	0.450195	1.10E-24	0.580298	2.20E-43	-0.0265536	0.56706	-0.20966	4.89E-06
0.76739	0.196307	1.93E-05	-0.04958	0.28497	-0.3396916	4.46E-14	-0.38155	1.24E-17
0.6469	0.243195	1.03E-07	0.176125	0.00013	-0.1735927	0.00016	-0.40583	6.07E-20
0.00346	0.289414	1.84E-10	-0.03179	0.49316	-0.5890344	5.88E-45	-0.65834	2.41E-59
0.65218	-0.04437	0.33865	0.020014	0.66618	-0.3121824	5.15E-12	-0.5746	2.21E-42
0.16432	0.037972	0.41297	0.065174	0.15968	-0.0033987	0.94161	-0.23937	1.65E-07
0.06894	0.155815	0.00073	0.011218	0.80895	-0.0541887	0.2425	-0.27755	1.05E-09
0.16485	0.377817	2.71E-17	0.408839	3.05E-20	-0.0919436	0.04706	-0.27311	1.97E-09
0.33592	0.263094	7.82E-09	0.032926	0.47782	-0.5061412	9.49E-32	-0.47795	5.01E-28
0.10983	0.181692	7.85E-05	0.024659	0.59505	-0.3339273	1.26E-13	-0.45461	3.39E-25
0.25412	0.263344	7.56E-09	0.393998	8.58E-19	0.00117181	0.97985	-0.26415	6.78E-09
0.18387	0.040931	0.37749	0.285798	3.15E-10	-0.1748192	0.00015	-0.35584	2.19E-15

0.00012	0.150984	0.00106	0.235013	2.79E-07	-0.3008463	3.17E-11	-0.35346	3.45E-15
0.0028	0.503781	2.01E-31	0.335623	9.29E-14	-0.232074	3.95E-07	-0.35141	5.09E-15
0.53943	0.088198	0.05683	-0.09227	0.04627	-0.584316	4.22E-44	-0.76407	1.49E-90
0.31215	0.246442	6.86E-08	0.111063	0.01635	-0.3423099	2.77E-14	-0.53947	1.28E-36
0.099	0.438568	2.25E-23	0.305741	1.46E-11	-0.2810292	6.34E-10	-0.49654	1.92E-30
0.00013	0.307264	1.14E-11	0.186937	4.81E-05	-0.4246174	7.25E-22	-0.5158	4.18E-33
0.83494	0.144213	0.00178	0.062847	0.17515	-0.4019283	1.47E-19	-0.48287	1.19E-28
0.75209	0.232246	3.88E-07	0.209698	4.87E-06	-0.0293641	0.52673	-0.18877	4.04E-05
0.00263	0.221338	1.36E-06	0.324852	6.14E-13	-0.1279457	0.00562	-0.30701	1.19E-11
0.00817	0.465121	1.91E-26	0.188931	3.97E-05	-0.4190474	2.78E-21	-0.48838	2.30E-29
0.85481	0.119217	0.00992	-0.05017	0.27927	-0.4287503	2.64E-22	-0.63921	5.31E-55
0.07593	0.04068	0.38042	0.119229	0.00991	-0.296213	6.52E-11	-0.43409	6.98E-23
0.00018	0.12141	0.00863	0.070466	0.12836	-0.370948	1.11E-16	-0.50225	3.25E-31
0.50925	0.20843	5.57E-06	-0.00506	0.91321	-0.3783761	2.41E-17	-0.43986	1.62E-23
0.00481	0.325793	5.22E-13	0.300105	3.56E-11	-0.4197139	2.37E-21	-0.52121	6.94E-34
0.11544	0.221104	1.40E-06	0.141728	0.00214	-0.3886712	2.73E-18	-0.61831	1.35E-50
0.51121	0.237295	2.12E-07	0.403041	1.15E-19	-0.1696814	0.00023	-0.45394	4.05E-25
0.78873	0.258098	1.52E-08	0.293982	9.19E-11	-0.2723636	2.18E-09	-0.47691	6.76E-28
0.00324	0.392947	1.08E-18	0.25972	1.23E-08	-0.0877467	0.05812	-0.25629	1.93E-08
0.53183	0.218642	1.84E-06	0.336247	8.31E-14	-0.2440249	9.28E-08	-0.45735	1.62E-25
0.83838	0.288004	2.27E-10	0.24931	4.77E-08	-0.405925	5.95E-20	-0.46722	1.06E-26
0.54997	0.203573	9.25E-06	0.049393	0.2868	-0.4199784	2.22E-21	-0.60892	1.01E-48
0.23831	0.290764	1.50E-10	0.397323	4.12E-19	-0.1693144	0.00024	-0.26755	4.26E-09
0.92966	0.35788	1.48E-15	0.169086	0.00024	-0.3244847	6.54E-13	-0.3291	2.94E-13
0.68236	0.270294	2.92E-09	0.081758	0.07756	-0.2621925	8.83E-09	-0.42122	1.65E-21
0.00118	0.113013	0.01454	-0.06642	0.15186	-0.1774604	0.00012	-0.28454	3.79E-10
0.05614	0.017328	0.70879	-0.09987	0.03094	-0.2272005	6.99E-07	-0.43162	1.30E-22
0.41856	0.255753	2.08E-08	0.304261	1.85E-11	-0.0415298	0.37055	-0.30341	2.12E-11
6.15E-05	0.225277	8.72E-07	-0.06337	0.17157	-0.2256434	8.36E-07	-0.36788	2.06E-16
0.04554	0.040066	0.38766	-0.02606	0.57424	-0.2403367	1.46E-07	-0.44219	8.89E-24
0.98742	-0.16677	0.00029	-0.18836	4.20E-05	0.25608703	1.99E-08	0.400201	2.17E-19
0.30396	0.233231	3.45E-07	0.02807	0.54512	-0.4413328	1.11E-23	-0.47238	2.48E-27
0.24237	0.187918	4.38E-05	0.509632	3.10E-32	0.08068844	0.08153	-0.19665	1.87E-05
0.68286	0.042305	0.36167	-0.14464	0.00172	-0.0969853	0.03615	-0.25763	1.62E-08
0.78805	0.110169	0.01724	0.087592	0.05856	-0.0189004	0.68373	-0.3458	1.46E-14
0.03089	0.172679	0.00018	0.173141	0.00017	-0.4368071	3.52E-23	-0.65654	6.38E-59
0.26241	0.226997	7.15E-07	0.396729	4.70E-19	-0.0199363	0.6674	-0.25458	2.42E-08
0.07175	0.14432	0.00177	0.05253	0.25725	-0.4736209	1.74E-27	-0.74172	1.09E-82
0.0573	0.135482	0.00335	0.183316	6.76E-05	-0.3751219	4.73E-17	-0.40008	2.23E-19
0.00147	0.275381	1.43E-09	0.14397	0.00181	-0.2847943	3.65E-10	-0.29939	3.98E-11
0.55268	0.431734	1.26E-22	0.558155	1.34E-39	0.00394453	0.93225	-0.20635	6.93E-06
0.05551	0.287524	2.44E-10	0.179073	9.99E-05	-0.3381451	5.91E-14	-0.52074	8.13E-34
0.00142	0.2712	2.57E-09	0.19263	2.78E-05	-0.2115169	4.01E-06	-0.32291	8.55E-13
0.8244	0.092695	0.04527	0.118602	0.01031	-0.4117913	1.54E-20	-0.59477	5.12E-46
0.20986	0.2132	3.34E-06	0.386291	4.55E-18	0.08103034	0.08025	-0.20407	8.79E-06



0.75505	0.357921	1.46E-15	0.268665	3.65E-09	-0.1074169	0.02024	-0.30868	9.11E-12
9.79E-06	0.458208	1.28E-25	0.398965	2.86E-19	-0.2521194	3.33E-08	-0.4334	8.31E-23
0.26129	0.068689	0.1383	0.028812	0.53454	-0.1120174	0.01544	-0.11926	0.00989
0.01547	0.202512	1.03E-05	0.352984	3.78E-15	-0.2990147	4.23E-11	-0.43929	1.87E-23
0.0121	0.072293	0.11873	0.008323	0.85764	-0.4216147	1.50E-21	-0.61553	4.92E-50
0.03054	-0.03442	0.45812	-0.04295	0.35439	-0.4434344	6.45E-24	-0.47425	1.46E-27
0.53031	-0.10225	0.02714	-0.23619	2.42E-07	-0.5576195	1.64E-39	-0.74036	3.09E-82
0.49909	0.235714	2.56E-07	0.031315	0.49963	-0.5593613	8.46E-40	-0.60751	1.90E-48
0.10324	0.299217	4.09E-11	-0.03564	0.44232	-0.6272875	1.90E-52	-0.647	9.87E-57
0.10369	-0.17806	0.00011	-0.08408	0.06948	0.33454548	1.13E-13	0.376032	3.92E-17
0.04115	0.113885	0.0138	0.051704	0.26481	-0.185006	5.77E-05	-0.36336	5.05E-16
0.46395	0.218589	1.85E-06	0.108578	0.01892	-0.4361357	4.17E-23	-0.49806	1.20E-30
0.11144	0.353463	3.45E-15	0.145811	0.00158	-0.3198724	1.43E-12	-0.39483	7.15E-19
0.3705	0.254643	2.40E-08	0.347246	1.11E-14	-0.2333421	3.40E-07	-0.40516	7.08E-20
0.05289	0.303398	2.12E-11	0.305376	1.55E-11	-0.3586285	1.28E-15	-0.5567	2.32E-39
0.94611	0.475568	9.96E-28	0.15413	0.00083	-0.3797666	1.81E-17	-0.51354	8.74E-33
7.00E-05	0.292225	1.20E-10	0.31934	1.57E-12	-0.2813533	6.04E-10	-0.39746	4.00E-19
0.90226	0.130167	0.00484	0.024147	0.60272	-0.3796793	1.84E-17	-0.54069	8.23E-37
0.25921	0.46729	1.05E-26	0.104995	0.02326	-0.4651363	1.91E-26	-0.45285	5.43E-25
0.62042	0.06796	0.14254	0.083786	0.07046	-0.3165935	2.48E-12	-0.61425	8.84E-50
5.68E-05	0.055441	0.23178	0.094868	0.04044	-0.1923986	2.84E-05	-0.26667	4.81E-09
5.73E-05	0.165075	0.00034	0.150149	0.00114	-0.3212312	1.14E-12	-0.56408	1.39E-40
0.00028	0.290757	1.50E-10	0.194096	2.41E-05	-0.343122	2.39E-14	-0.412	1.47E-20
0.02089	0.240637	1.41E-07	0.086261	0.06252	-0.2236793	1.05E-06	-0.44513	4.15E-24
0.58249	0.119918	0.00949	0.058854	0.20425	-0.3535548	3.39E-15	-0.42295	1.09E-21
0.68238	0.01567	0.73555	0.256395	1.91E-08	-0.1879437	4.37E-05	-0.40146	1.64E-19
0.71697	0.11054	0.01686	0.061438	0.18504	-0.488394	2.29E-29	-0.70882	1.73E-72
0.79473	0.200408	1.28E-05	0.538652	1.70E-36	0.11224968	0.01523	-0.04876	0.29306
0.00162	0.407586	4.07E-20	0.561353	3.96E-40	0.01566061	0.73571	-0.18667	4.93E-05
0.78917	0.029243	0.52843	-0.17617	0.00013	-0.3949627	6.95E-19	-0.56869	2.30E-41
0.36634	-0.0678	0.14349	-0.07646	0.09886	-0.4810587	2.02E-28	-0.75712	5.09E-88
0.00464	0.112061	0.0154	0.184672	5.95E-05	-0.4246178	7.25E-22	-0.63273	1.34E-53
0.35165	0.319295	1.58E-12	0.22751	6.74E-07	-0.2483746	5.37E-08	-0.42856	2.77E-22
0.60757	0.285571	3.26E-10	0.49206	7.58E-30	0.15736333	0.00064	-0.05161	0.26566
0.03363	0.252975	2.98E-08	0.190635	3.37E-05	-0.0666444	0.15045	-0.32069	1.25E-12
0.00065	0.45092	9.07E-25	0.214552	2.89E-06	-0.2393182	1.66E-07	-0.38076	1.47E-17
0.93177	0.396051	5.46E-19	0.304155	1.88E-11	-0.2964393	6.30E-11	-0.43519	5.30E-23
0.45416	0.098173	0.03392	-0.02814	0.5441	-0.2351128	2.76E-07	-0.38747	3.54E-18
0.00152	0.256474	1.89E-08	-0.04346	0.34874	-0.4204836	1.97E-21	-0.51432	6.77E-33
0.05149	0.09871	0.03295	0.156403	0.00069	-0.2680575	3.97E-09	-0.42722	3.84E-22
0.08541	0.238972	1.73E-07	0.05537	0.23237	-0.1622539	0.00043	-0.28394	4.14E-10
0.27504	0.321129	1.16E-12	0.227499	6.75E-07	-0.1922134	2.89E-05	-0.24602	7.24E-08
0.10474	0.131906	0.0043	0.030719	0.50784	-0.139811	0.00246	-0.41842	3.23E-21
0.02841	0.198941	1.48E-05	0.143172	0.00192	-0.1719423	0.00019	-0.2769	1.15E-09
0.00247	0.453283	4.83E-25	0.32294	8.51E-13	-0.1023044	0.02706	-0.30319	2.19E-11

0.00556	0.18025	8.97E-05	0.494762	3.32E-30	-0.0913828	0.04842	-0.38457	6.57E-18
0.0182	0.159242	0.00055	0.228986	5.68E-07	0.01521646	0.74294	-0.23817	1.91E-07
0.00284	0.150659	0.00109	0.145991	0.00156	-0.2350576	2.77E-07	-0.38646	4.40E-18
0.39608	0.062427	0.17806	-0.03501	0.45035	-0.4098127	2.43E-20	-0.62352	1.15E-51
0.53649	0.083102	0.07279	0.056679	0.2215	-0.3636994	4.73E-16	-0.37754	2.87E-17
0.43986	0.408561	3.25E-20	0.307642	1.08E-11	-0.2723247	2.20E-09	-0.37398	5.98E-17
0.06126	0.312735	4.70E-12	0.220929	1.43E-06	-0.4035755	1.01E-19	-0.3532	3.63E-15
8.41E-06	0.327594	3.82E-13	0.187016	4.77E-05	-0.1918134	3.01E-05	-0.34236	2.74E-14
0.1338	0.189102	3.91E-05	0.042029	0.36482	-0.4960993	2.20E-30	-0.59058	3.06E-45
0.25389	0.203669	9.16E-06	0.40443	8.36E-20	0.05096317	0.27173	-0.2074	6.21E-06
0.42819	0.319344	1.57E-12	0.071511	0.12278	-0.4792247	3.46E-28	-0.39245	1.20E-18
0.48743	-0.03969	0.3921	0.004445	0.92368	-0.1201705	0.00934	-0.36549	3.32E-16
0.0438	0.300323	3.44E-11	0.003983	0.9316	-0.5362019	4.05E-36	-0.62332	1.27E-51
0.00459	0.231035	4.47E-07	0.123524	0.00753	-0.4751788	1.11E-27	-0.68462	7.45E-66
0.71648	0.171168	0.0002	0.09688	0.03636	-0.483281	1.05E-28	-0.64145	1.71E-55
0.48779	0.064374	0.16488	0.30422	1.86E-11	-0.073497	0.1127	-0.29168	1.30E-10
0.71725	0.305862	1.43E-11	0.127502	0.00579	-0.2727302	2.07E-09	-0.34398	2.04E-14
0.05048	0.287454	2.46E-10	0.086367	0.0622	-0.0584245	0.20758	-0.26228	8.73E-09
0.40546	0.301945	2.67E-11	0.534794	6.63E-36	0.2180994	1.96E-06	-0.00351	0.93973
0.21171	0.303899	1.96E-11	0.148554	0.00128	-0.4091739	2.82E-20	-0.48268	1.26E-28
0.62781	0.118814	0.01018	0.148872	0.00125	-0.1442022	0.00178	-0.39088	1.69E-18
0.00046	0.391338	1.53E-18	0.581622	1.28E-43	-0.0098742	0.83147	-0.24142	1.28E-07
0.00108	0.402573	1.27E-19	0.415437	6.54E-21	-0.1212617	0.00871	-0.3037	2.02E-11
0.14553	0.27194	2.32E-09	0.090129	0.0516	-0.4609894	5.99E-26	-0.50615	9.46E-32
0.141	0.266501	4.92E-09	0.301606	2.82E-11	-0.0809214	0.08065	-0.28238	5.20E-10
0.27788	-0.29946	3.94E-11	-0.14482	0.0017	0.37029286	1.27E-16	0.60369	1.05E-47
0.21089	0.343721	2.14E-14	0.060851	0.18929	-0.4718252	2.91E-27	-0.40546	6.61E-20
0.08908	-0.00412	0.92916	0.198804	1.50E-05	-0.1019165	0.02765	-0.28752	2.44E-10
0.67009	0.508909	3.92E-32	0.289629	1.78E-10	-0.1764235	0.00013	-0.35587	2.17E-15
0.09717	0.273606	1.83E-09	0.036019	0.43742	-0.2421678	1.17E-07	-0.44019	1.49E-23
0.05717	0.059896	0.19634	0.096903	0.03631	0.17641861	0.00013	-0.02976	0.52112
0.04627	0.073938	0.11055	0.034218	0.4607	-0.5881575	8.50E-45	-0.73468	2.23E-80
0.20457	-0.05864	0.20589	-0.21088	4.29E-06	-0.6745989	2.72E-63	-0.7781	5.93E-96
0.22066	-0.03647	0.43176	-0.26208	8.97E-09	-0.0632103	0.17267	0.105668	0.02238
0.83568	0.019229	0.67853	-0.18267	7.17E-05	-0.0383742	0.40804	0.206325	6.95E-06
0.55712	0.041354	0.37258	-0.01367	0.76835	0.10758876	0.02004	0.19036	3.46E-05
0.31259	0.005382	0.90765	-0.12653	0.00618	0.06942933	0.13409	0.248347	5.39E-08
0.6793	-0.23723	2.14E-07	-0.27903	8.46E-10	-0.0244819	0.59769	0.126963	0.00601
0.92109	0.041131	0.37516	-0.21084	4.31E-06	-0.0286703	0.53655	0.210233	4.60E-06
0.54455	0.026544	0.5672	-0.23977	1.57E-07	-0.0704466	0.12847	0.204038	8.82E-06
0.15385	-0.02027	0.66214	-0.1298	0.00496	-0.1031003	0.02588	-0.00377	0.93531
0.83355	-0.02669	0.56505	-0.23171	4.13E-07	-0.126412	0.00623	-0.00098	0.9832
0.42509	-0.01123	0.80874	-0.30634	1.33E-11	-0.1777949	0.00011	-0.07845	0.09037
0.81264	0.051023	0.27117	-0.19014	3.54E-05	-0.0602572	0.19365	0.183468	6.66E-05
0.31246	0.027094	0.55919	-0.1836	6.58E-05	-0.0285776	0.53787	0.233954	3.16E-07

0.06674	-0.08977	0.05255	-0.41805	3.52E-21	-0.1033807	0.02548	0.072873	0.1158
0.8957	0.094316	0.04162	-0.02654	0.56727	0.09670252	0.0367	0.245893	7.35E-08
0.84951	0.001083	0.98138	-0.09142	0.04834	-0.0156435	0.73599	0.111881	0.01557
0.27291	0.060296	0.19336	-0.26045	1.12E-08	-0.0070975	0.87842	0.244385	8.88E-08
0.74652	0.19519	2.16E-05	-0.01764	0.70386	0.15245075	0.00095	0.323367	7.91E-13
0.38203	0.033196	0.47421	-0.23529	2.70E-07	-0.0406547	0.38072	0.157269	0.00065
0.07043	0.039042	0.39991	-0.14528	0.00164	0.01282813	0.78217	0.232424	3.79E-07
0.7085	0.012469	0.78813	-0.2479	5.71E-08	-0.0578895	0.21178	0.202392	1.04E-05
0.748	0.040742	0.3797	-0.22024	1.54E-06	-0.0346429	0.45515	0.239866	1.55E-07
0.71486	0.004261	0.92683	-0.20832	5.63E-06	-0.0481833	0.29878	0.149289	0.00121
0.60833	0.077006	0.09649	-0.13309	0.00396	-0.0508863	0.27246	0.101873	0.02771
0.03887	-0.04665	0.31446	-0.22069	1.47E-06	0.000668	0.98851	0.128387	0.00546
0.6626	-0.01541	0.73983	-0.12773	0.00571	0.14445473	0.00175	0.325849	5.17E-13
0.93475	-0.02852	0.53862	-0.27317	1.95E-09	-0.0634534	0.17102	0.191963	2.96E-05
0.93284	0.064957	0.16108	-0.18719	4.69E-05	-0.0217716	0.63887	0.23199	3.99E-07
0.57909	0.026807	0.56337	-0.22974	5.20E-07	-0.0511581	0.2699	0.201446	1.15E-05
0.04942	0.02077	0.65438	-0.03604	0.43712	0.04345565	0.34875	0.130312	0.00479
0.92336	0.055118	0.23451	-0.18488	5.84E-05	-0.0493116	0.28759	0.189201	3.87E-05
0.79038	0.032452	0.48418	-0.22124	1.38E-06	-0.0289625	0.53241	0.244904	8.32E-08
0.29576	0.075241	0.10439	0.000384	0.99339	0.17952472	9.58E-05	0.310363	6.93E-12
0.81927	0.127415	0.00583	-0.15436	0.00082	-0.0040402	0.93061	0.219154	1.74E-06
0.58418	0.036886	0.42647	-0.14682	0.00146	0.0715758	0.12244	0.301463	2.88E-11
0.42878	-0.00094	0.98375	-0.26886	3.56E-09	-0.0505038	0.27608	0.102278	0.0271
0.97838	-0.045	0.33185	-0.22009	1.57E-06	-0.0229244	0.62121	0.176062	0.00013
0.69756	0.162863	0.00041	0.004515	0.92248	0.27755716	1.05E-09	0.497282	1.53E-30
0.64338	0.034827	0.45275	-0.22761	6.67E-07	-0.0110535	0.8117	0.274868	1.53E-09
0.21784	0.020623	0.65667	-0.22065	1.47E-06	-0.0452027	0.3297	0.190877	3.29E-05
0.11123	0.027746	0.54977	-0.12069	0.00903	0.08408508	0.06946	0.215548	2.59E-06
0.91177	0.132937	0.004	-0.18291	7.02E-05	0.0085654	0.85354	0.281431	5.98E-10
0.39166	0.005531	0.90512	-0.28511	3.49E-10	-0.0946683	0.04086	0.108351	0.01917
0.54044	0.015268	0.74209	-0.20494	8.03E-06	0.0683003	0.14055	0.259701	1.23E-08
0.45336	0.030686	0.50828	-0.18841	4.18E-05	0.03065743	0.50868	0.271626	2.42E-09
0.72962	0.023844	0.60728	-0.13599	0.00323	0.03126873	0.50026	0.178259	0.00011
0.16808	0.145642	0.0016	-0.12372	0.00743	0.08270599	0.07417	0.326754	4.42E-13
0.9306	0.036332	0.43346	-0.15243	0.00095	0.05100025	0.27138	0.319464	1.53E-12
1.28E-08	0.080033	0.08405	-0.02157	0.64196	0.06468631	0.16284	0.117985	0.01072
0.9798	0.059088	0.20245	-0.12388	0.00736	-0.0352197	0.44767	0.11675	0.01157
0.04253	0.077676	0.09362	-0.13502	0.00346	-0.0875875	0.05858	-0.03307	0.47588
0.30266	0.44827	1.83E-24	0.044932	0.3326	-0.1578599	0.00062	-0.04245	0.36003
0.75317	0.011074	0.81135	-0.25999	1.19E-08	-0.0502881	0.27814	0.176838	0.00012
0.67969	0.107371	0.0203	-0.05604	0.22673	-0.0219806	0.63565	0.162481	0.00042
0.47046	-0.01383	0.76566	-0.28116	6.22E-10	-0.0404748	0.38284	0.18984	3.64E-05
4.73E-07	-0.0072	0.87674	-0.2672	4.47E-09	-0.153165	0.0009	0.068174	0.14129
0.72533	0.030444	0.51164	-0.32543	5.55E-13	-0.1362726	0.00317	0.02494	0.59086
0.52333	-0.19334	2.59E-05	-0.27768	1.03E-09	-0.0216251	0.64113	0.18791	4.38E-05

0.02663	-0.13137	0.00446	-0.21489	2.78E-06	-0.0768775	0.09705	0.11057	0.01683
0.08942	0.016557	0.7212	-0.02745	0.55405	0.15575635	0.00073	0.206094	7.12E-06
0.00478	0.065245	0.15922	-0.12528	0.00671	0.14991099	0.00116	0.234906	2.82E-07
0.83794	-0.07998	0.08425	-0.16672	0.0003	0.00990025	0.83103	0.220426	1.51E-06
0.072	0.02088	0.65267	-0.08951	0.05324	0.08566868	0.06435	0.231172	4.40E-07
0.74692	0.084428	0.06832	-0.2561	1.98E-08	-0.0848216	0.06704	0.155352	0.00076
0.82551	0.003542	0.93915	-0.2919	1.26E-10	-0.0704053	0.12869	0.147312	0.00141
0.67536	0.023223	0.61667	-0.15464	0.0008	0.01458776	0.75321	0.245442	7.78E-08
0.34278	0.030877	0.50565	-0.27429	1.67E-09	-0.0957822	0.03854	0.138986	0.00261
0.24512	0.035096	0.44927	-0.23408	3.12E-07	-0.0699406	0.13124	0.177733	0.00011
0.19191	0.061727	0.18298	-0.13902	0.00261	0.1003284	0.03018	0.340253	4.03E-14
0.69176	-0.01935	0.67666	-0.24207	1.18E-07	-0.0410612	0.37598	0.182588	7.23E-05
0.32001	0.053577	0.24787	-0.20134	1.16E-05	-0.027562	0.55242	0.197784	1.67E-05
0.62204	-0.00801	0.86286	-0.15783	0.00062	-0.0550938	0.23472	0.088878	0.05494
0.51586	0.0392	0.39802	-0.10617	0.02175	-0.039537	0.39397	0.135118	0.00344
0.93331	0.021085	0.64949	-0.23804	1.94E-07	-0.0205209	0.65826	0.231157	4.41E-07
0.92487	0.027896	0.54761	-0.09856	0.03323	0.02638875	0.56947	0.222377	1.21E-06
0.24196	0.015298	0.74161	-0.24303	1.05E-07	-0.0263583	0.56991	0.22685	7.28E-07
0.03272	-0.1603	0.00051	-0.20223	1.06E-05	0.00301486	0.94819	0.13209	0.00424
0.88333	0.047322	0.3075	-0.21882	1.80E-06	-0.0489123	0.29152	0.239407	1.64E-07
0.77507	-0.15067	0.00109	-0.18756	4.53E-05	0.02475416	0.59363	0.144182	0.00179
0.64657	-0.07299	0.11521	-0.31013	7.19E-12	-0.0462773	0.31832	0.258206	1.50E-08
0.42977	0.155803	0.00073	-0.20504	7.94E-06	-0.2447087	8.52E-08	-0.01922	0.67868
0.00398	-0.15315	0.0009	-0.26339	7.51E-09	-0.2833091	4.54E-10	-0.16921	0.00024
0.56696	0.04463	0.33587	-0.1387	0.00267	-0.0210312	0.65032	0.202597	1.02E-05
0.12012	-0.11224	0.01524	-0.27953	7.87E-10	-0.0997827	0.03109	0.036727	0.42847
0.5172	0.084056	0.06955	-0.20535	7.70E-06	0.06654086	0.15109	0.360494	8.88E-16
0.85518	0.139941	0.00244	-0.11371	0.01395	0.11548118	0.01252	0.392994	1.07E-18
0.99303	0.083133	0.07268	-0.18399	6.35E-05	0.04163211	0.36937	0.326485	4.63E-13
0.83834	-0.09819	0.0339	-0.24183	1.22E-07	-0.0961598	0.03778	0.026336	0.57024
0.42042	0.127259	0.00589	-0.13417	0.00368	0.19730184	1.75E-05	0.39562	6.01E-19
0.93776	0.172038	0.00019	-0.13591	0.00325	-0.0055506	0.90478	0.220565	1.49E-06
0.19151	0.031661	0.4949	-0.11248	0.01502	-0.033938	0.46438	0.102795	0.02633
0.64151	0.071187	0.12449	-0.32012	1.37E-12	-0.1895454	3.75E-05	0.086578	0.06156
0.63843	0.230573	4.72E-07	-0.01272	0.78395	0.01924329	0.67831	0.314346	3.61E-12
0.5338	0.046647	0.31447	-0.08908	0.05438	0.01380574	0.76604	0.154383	0.00082
0.8842	-0.0493	0.28767	-0.21597	2.47E-06	-0.0511992	0.26951	0.17628	0.00013
0.75521	0.199887	1.35E-05	0.043205	0.35155	0.0095674	0.83663	0.059777	0.19723
0.0414	0.055402	0.2321	-0.11368	0.01397	0.09692611	0.03627	0.136337	0.00316
0.22197	0.160739	0.00049	0.419621	2.42E-21	0.24803522	5.61E-08	-0.05643	0.22351
0.7208	0.011096	0.81098	-0.19704	1.80E-05	0.07814024	0.09167	0.363931	4.52E-16
0.98795	0.106301	0.02159	-0.15792	0.00061	-0.0112039	0.80919	0.236928	2.22E-07
0.45645	-0.14749	0.00139	-0.24075	1.39E-07	-0.0969665	0.03619	0.021115	0.64902
0.68137	-0.10111	0.02891	-0.41389	9.42E-21	-0.2478107	5.77E-08	-0.00324	0.94435
0.70887	0.023955	0.6056	-0.14148	0.00218	0.04040997	0.3836	0.130548	0.00472

0.44117	0.055356	0.23249	-0.20391	8.94E-06	-0.0436961	0.34609	0.129639	0.00502
0.4908	0.164072	0.00037	-0.1829	7.02E-05	-0.0855745	0.06464	-0.1253	0.00671
0.1815	0.079049	0.08794	-0.20656	6.78E-06	-0.0214316	0.64412	0.144551	0.00174
0.95084	0.273165	1.95E-09	0.099746	0.03115	0.36891173	1.67E-16	0.514804	5.79E-33
6.58E-07	-0.01621	0.72688	-0.18676	4.89E-05	0.01520242	0.74316	0.218546	1.86E-06
0.11967	0.173128	0.00017	-0.04323	0.35121	0.07990912	0.08453	0.278529	9.09E-10
0.81088	0.011608	0.80245	-0.11874	0.01022	0.17893606	0.0001	0.293695	9.60E-11
0.0138	0.172745	0.00018	0.331016	2.10E-13	0.12150676	0.00858	-0.08112	0.07989
0.61223	0.033976	0.46388	-0.16882	0.00025	-0.0153524	0.74072	0.205275	7.75E-06
0.53357	-0.01822	0.69448	-0.26413	6.80E-09	-0.088916	0.05484	0.105883	0.02211
0.74868	0.069905	0.13144	-0.21325	3.33E-06	-0.0609938	0.18825	0.197674	1.69E-05
0.59279	0.012616	0.78569	-0.26689	4.67E-09	-0.0297183	0.52176	0.235579	2.61E-07
0.94073	-0.11817	0.01059	-0.34188	2.99E-14	0.02768818	0.5506	0.266998	4.60E-09
0.64052	0.023335	0.61497	-0.28299	4.76E-10	-0.0765205	0.09861	0.155841	0.00073
0.52143	0.093709	0.04296	-0.03494	0.45131	0.05082365	0.27305	0.264286	6.66E-09
0.00347	-0.05733	0.21621	-0.17904	0.0001	0.22592983	8.09E-07	0.333779	1.29E-13
0.28376	0.12464	0.007	-0.06295	0.17447	-0.0450253	0.3316	0.202428	1.04E-05
0.88841	-0.29106	1.43E-10	0.187083	4.74E-05	0.1792155	9.86E-05	-0.08489	0.06681
0.69276	0.053149	0.25167	-0.19967	1.38E-05	-0.0383405	0.40845	0.209828	4.80E-06
0.66588	0.049755	0.28327	-0.18023	8.99E-05	0.04093045	0.3775	0.259055	1.34E-08
0.30487	-0.01366	0.76849	-0.22972	5.22E-07	-0.1607418	0.00049	0.001901	0.96732
0.62164	0.042772	0.35639	-0.20877	5.37E-06	-0.028435	0.5399	0.168904	0.00025
0.34252	0.076092	0.10052	-0.12805	0.00558	0.00272491	0.95317	0.112344	0.01514
0.55995	0.032162	0.48809	-0.228	6.37E-07	-0.0384557	0.40704	0.204966	8.01E-06
0.82381	0.039073	0.39954	-0.2212	1.38E-06	-0.0841495	0.06924	0.117354	0.01115
0.22718	-0.01618	0.72727	-0.24126	1.31E-07	-0.189502	3.76E-05	-0.14754	0.00139
0.90135	0.017942	0.69896	-0.29849	4.58E-11	-0.1656856	0.00032	0.010262	0.82496
0.08464	0.079859	0.08473	-0.14766	0.00137	-0.0903539	0.05102	0.106502	0.02134
0.96218	0.051505	0.26666	-0.17459	0.00015	0.10787597	0.01971	0.356932	1.77E-15
0.27567	-0.02975	0.52132	-0.29602	6.72E-11	-0.2213741	1.36E-06	-0.02975	0.52128
0.8672	0.059147	0.202	-0.22488	9.12E-07	-0.0393167	0.39661	0.219998	1.58E-06
0.52358	0.089357	0.05364	-0.08233	0.07549	0.07679287	0.09742	0.269757	3.14E-09
0.19391	0.310289	7.01E-12	0.021442	0.64395	0.02672165	0.56461	0.118212	0.01057
0.01346	0.107879	0.01971	-0.02112	0.64891	0.08129519	0.07926	0.217556	2.08E-06
0.8848	-0.05501	0.23547	-0.2009	1.22E-05	0.07465532	0.10713	0.33887	5.18E-14
0.72889	-0.00017	0.99708	-0.24494	8.28E-08	-0.0501315	0.27964	0.216467	2.34E-06
0.09365	0.098181	0.03391	-0.10315	0.02581	-0.1156345	0.0124	0.018275	0.69366
0.78886	0.060835	0.1894	-0.14833	0.00131	0.00152211	0.97383	0.175858	0.00013
0.84496	-0.15137	0.00103	-0.48127	1.90E-28	-0.2726228	2.11E-09	-0.08707	0.0601
0.84276	0.220469	1.50E-06	-0.01819	0.69495	-0.0675509	0.14497	0.181215	8.21E-05
0.52252	0.047764	0.30301	-0.0728	0.11615	0.066832	0.1493	0.277665	1.03E-09
0.58116	0.008871	0.84838	-0.26486	6.16E-09	-0.021445	0.64391	0.216082	2.44E-06
0.58895	0.094341	0.04157	-0.23689	2.23E-07	-0.1071436	0.02057	0.131159	0.00452
0.1168	-0.12212	0.00825	-0.1854	5.56E-05	0.0426791	0.35744	0.271846	2.35E-09
1.01E-05	-0.04726	0.30816	-0.30146	2.88E-11	-0.0934256	0.0436	0.169729	0.00023

0.89799	0.025747	0.5789	-0.22941	5.41E-07	-0.0357135	0.44133	0.227812	6.51E-07
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0.97185	0.112867	0.01467	0.206593	6.76E-06	-0.0104108	0.82246	-0.1098	0.01761
0.23251	0.114235	0.01351	-0.13413	0.00369	-0.1400116	0.00243	-0.01628	0.7256
0.71044	0.004077	0.92998	-0.20951	4.97E-06	-0.0202161	0.66302	0.19567	2.06E-05
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0.14528	-0.11613	0.01203	-0.29296	1.07E-10	-0.0280462	0.54546	0.258929	1.37E-08
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0.49055	-0.07502	0.10542	-0.18711	4.73E-05	-0.0099447	0.83028	0.183499	6.64E-05
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0.43591	0.039362	0.39607	-0.19232	2.86E-05	-0.0254755	0.58291	0.238592	1.81E-07
0.40611	0.053666	0.24708	-0.20928	5.09E-06	-0.0163877	0.72393	0.247246	6.20E-08
0.77815	0.050277	0.27825	-0.08184	0.07727	0.03286186	0.47867	0.227291	6.91E-07
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1.02E-05	0.200754	1.24E-05	0.352301	4.30E-15	0.02773595	0.54991	-0.14016	0.0024
0.60007	-0.05038	0.27723	-0.1776	0.00011	0.03259994	0.48219	0.209929	4.75E-06
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0.67601	0.096384	0.03733	-0.12405	0.00728	-0.00511	0.9123	0.144396	0.00176
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0.50307	0.149725	0.00117	-0.03576	0.44069	-0.0230943	0.61862	0.125755	0.00651
0.4704	0.054859	0.23672	-0.11823	0.01055	0.02108459	0.64949	0.204773	8.17E-06
0.64211	0.042969	0.35419	-0.08186	0.07719	0.02581453	0.5779	0.146975	0.00145
0.07099	-0.26381	7.10E-09	-0.47924	3.44E-28	-0.1082719	0.01926	0.06049	0.19193
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0.17109	-0.0327	0.48088	-0.16665	0.0003	-0.0154045	0.73987	0.019696	0.67118
0.75026	0.036007	0.43758	-0.0339	0.46489	-0.0278536	0.54822	0.047923	0.3014
0.47703	0.044671	0.33543	-0.06052	0.19171	-0.0171079	0.71232	0.091301	0.04863
0.01507	-0.0439	0.34382	-0.23337	3.39E-07	0.12413325	0.00724	0.356888	1.79E-15
0.91516	0.168015	0.00027	0.451507	7.76E-25	0.22629741	7.75E-07	0.008793	0.84969
0.9173	0.054288	0.24165	-0.158	0.00061	-0.0177203	0.7025	0.179666	9.46E-05
0.3195	-0.13766	0.00287	-0.21731	2.13E-06	0.01401116	0.76266	0.193063	2.66E-05
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0.1042	0.047932	0.30131	-0.13994	0.00244	-0.0793227	0.08684	0.003567	0.93872

0.85162	0.00117	0.97988	0.294331	8.71E-11	-0.0061009	0.89539	-0.18284	7.06E-05
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0.31568	-0.01657	0.72094	-0.12926	0.00515	0.03892786	0.4013	0.196093	1.97E-05
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0.89375	0.057459	0.2152	-0.09282	0.04497	0.17422803	0.00015	0.390892	1.69E-18
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0.7513	0.015352	0.74073	-0.22002	1.58E-06	-0.048922	0.29142	0.207496	6.15E-06
0.02423	-0.2202	1.55E-06	0.071119	0.12485	0.12093179	0.0089	-0.06528	0.15902
0.35035	-0.02088	0.6526	-0.1851	5.72E-05	-0.1737849	0.00016	-0.10939	0.01805
0.8839	0.034039	0.46306	-0.17851	0.00011	-0.0243358	0.59988	0.178435	0.00011
0.8463	-0.16233	0.00043	-0.27011	2.99E-09	-0.0229377	0.62101	0.078531	0.09005
0.2086	0.031523	0.49678	-0.18617	5.17E-05	-0.0668967	0.14891	0.114178	0.01355
0.96261	0.099157	0.03217	-0.11345	0.01417	0.00249881	0.95705	0.164671	0.00035
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4.29E-05	0.073496	0.1127	-0.16191	0.00044	-0.0481116	0.2995	0.099298	0.03192
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0.23542	-0.04514	0.33035	-0.20484	8.11E-06	-0.0376875	0.41648	0.106414	0.02145
0.12386	0.299404	3.98E-11	-0.04912	0.28943	-0.2194796	1.68E-06	-0.01272	0.7839
0.95743	0.018944	0.68303	-0.19745	1.72E-05	-0.0272364	0.55713	0.206917	6.53E-06
0.46256	-0.03846	0.40702	-0.3086	9.23E-12	-0.1360997	0.00321	0.093776	0.04281
0.08454	-0.01225	0.79174	-0.09841	0.03349	-0.013267	0.77492	0.067742	0.14383
0.00132	0.017106	0.71236	-0.22125	1.38E-06	-0.1791011	9.96E-05	0.003578	0.93854
0.71638	0.069157	0.13563	-0.0789	0.08856	-0.0522758	0.25956	0.040851	0.37842
0.78481	-0.20475	8.19E-06	-0.31038	6.91E-12	0.08629844	0.06241	0.376341	3.68E-17
0.6127	-0.00278	0.95215	-0.15755	0.00063	-0.0171482	0.71167	0.149223	0.00122
0.06137	-0.01559	0.7368	-0.24066	1.41E-07	-0.0619973	0.18107	0.068376	0.14011
0.85488	0.26966	3.18E-09	-0.01864	0.68787	-0.0525971	0.25664	0.223296	1.09E-06
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0.6059	0.035324	0.44633	-0.26099	1.04E-08	-0.0686254	0.13867	0.153772	0.00086
0.03359	0.223362	1.08E-06	-0.26281	8.12E-09	-0.1699623	0.00022	0.103026	0.02599
0.7963	0.054665	0.23838	-0.26433	6.62E-09	-0.0417959	0.36749	0.239638	1.59E-07
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0.4382	-0.07174	0.12161	-0.16209	0.00044	0.08966948	0.05281	0.306175	1.36E-11
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0.29616	0.004816	0.91734	-0.18354	6.61E-05	0.01883306	0.68479	0.169521	0.00023
0.0284	0.052123	0.26096	-0.19274	2.75E-05	0.16764266	0.00027	0.43452	6.27E-23
0.4525	0.024392	0.59904	-0.16039	0.0005	-0.0631009	0.17341	0.05765	0.21367
0.09517	0.061194	0.1868	-0.18464	5.97E-05	0.03148891	0.49725	0.277044	1.13E-09
0.16859	0.065739	0.15609	-0.10392	0.02472	-0.0466611	0.31432	0.115073	0.01283
0.01784	0.136529	0.00311	0.248915	5.02E-08	-0.0121146	0.79401	-0.18613	5.19E-05

1.17E-08	-0.01696	0.71474	-0.21439	2.94E-06	0.02238117	0.6295	0.166017	0.00031
0.96048	-0.08529	0.06554	-0.19569	2.05E-05	-0.0181857	0.69508	0.127746	0.0057
0.81282	-0.05023	0.2787	-0.28276	4.92E-10	-0.0935639	0.04329	0.076923	0.09685
0.36548	-0.0115	0.80417	-0.13597	0.00324	0.03106292	0.50309	0.199498	1.40E-05
0.00248	-0.11538	0.01259	-0.2155	2.60E-06	-0.0136899	0.76795	0.156791	0.00067
0.0746	0.075201	0.10458	-0.19291	2.70E-05	-0.1691475	0.00024	-0.00014	0.99767
0.03808	0.150833	0.00108	-0.11674	0.01158	0.039755	0.39136	0.239447	1.63E-07
0.08072	-0.05231	0.25924	-0.23053	4.74E-07	0.09555115	0.03901	0.285396	3.34E-10
0.40215	-0.04388	0.34407	-0.29142	1.36E-10	-0.0323526	0.48552	0.183897	6.40E-05
0.84722	0.105266	0.0229	-0.08412	0.06934	-0.0290851	0.53067	0.11584	0.01224
0.45861	0.06205	0.1807	-0.04961	0.28464	0.01872359	0.68653	0.140814	0.00229
0.49386	-0.10275	0.0264	-0.25877	1.40E-08	0.0707218	0.12698	0.172307	0.00018
0.00083	0.168393	0.00026	-0.06236	0.1785	0.0869186	0.06054	0.214763	2.82E-06
0.81911	0.033704	0.46747	-0.21822	1.93E-06	-0.032941	0.47761	0.257149	1.73E-08
0.02714	0.115761	0.0123	-0.07546	0.10338	0.02975116	0.5213	0.179129	9.94E-05
0.61644	0.0043	0.92617	-0.21039	4.52E-06	0.04036179	0.38417	0.281854	5.62E-10
0.20108	0.063031	0.17389	0.065559	0.15723	0.06301346	0.17401	-0.17335	0.00017
0.97412	-0.01204	0.79517	-0.16931	0.00024	0.03262117	0.4819	0.167898	0.00027
0.40842	0.055393	0.23218	-0.18809	4.31E-05	0.06426428	0.1656	0.182892	7.03E-05
0.90396	0.077225	0.09554	-0.14922	0.00122	0.0196781	0.67146	0.233963	3.16E-07
0.63527	-0.09988	0.03092	-0.31005	7.29E-12	-0.0740746	0.10989	0.144839	0.0017
0.16421	0.025826	0.57773	-0.17216	0.00019	-0.0458397	0.32292	0.176324	0.00013
0.80248	0.09635	0.0374	-0.13499	0.00347	-0.0237892	0.6081	0.175271	0.00014
0.84269	0.120805	0.00897	-0.24336	1.01E-07	-0.134717	0.00354	0.062752	0.17581
0.25949	0.043452	0.3488	-0.10287	0.02621	0.05011129	0.27983	0.200929	1.21E-05
0.93362	-0.13771	0.00286	-0.28732	2.51E-10	-0.0417833	0.36763	0.134543	0.00358
0.91298	0.089492	0.05328	-0.04244	0.36013	-0.1132686	0.01432	-0.01465	0.75216
0.61549	0.020207	0.66316	-0.21027	4.58E-06	-0.09807	0.03411	0.13742	0.00292
0.69843	0.076768	0.09752	-0.03322	0.47387	-0.1417305	0.00214	-0.02583	0.57761
0.00136	0.015995	0.73028	-0.10225	0.02714	0.04848539	0.29575	0.18242	7.34E-05
0.67566	0.029982	0.51807	-0.23089	4.54E-07	-0.0643472	0.16506	0.175016	0.00014
0.0711	0.000956	0.98356	-0.15846	0.00059	-0.0315994	0.49574	0.058324	0.20836
0.85843	0.026477	0.56818	-0.09532	0.03949	-0.0037157	0.93617	0.106491	0.02135
0.43289	0.02945	0.52552	-0.20694	6.52E-06	0.02897955	0.53216	0.210197	4.62E-06
0.43945	-0.2302	4.93E-07	-0.34232	2.76E-14	-0.0528518	0.25434	0.178603	0.0001
0.63464	0.021161	0.6483	-0.20864	5.45E-06	-0.0187514	0.68609	0.228029	6.35E-07
0.3127	0.029644	0.5228	-0.25286	3.02E-08	-0.0345884	0.45586	0.256164	1.97E-08
0.25614	-0.0026	0.95535	-0.07321	0.1141	0.09231049	0.04618	0.212047	3.79E-06
0.71432	0.10898	0.01848	-0.01447	0.75519	0.07365216	0.11194	0.16434	0.00036
0.61477	0.118822	0.01017	-0.11284	0.0147	0.16375931	0.00038	0.293675	9.63E-11
0.87126	0.026445	0.56864	-0.17783	0.00011	-0.0280367	0.5456	0.113987	0.01371
0.13511	0.021685	0.64021	-0.17542	0.00014	-0.0184175	0.69139	0.157329	0.00064
0.35192	0.162703	0.00042	-0.05839	0.20787	0.05215537	0.26066	0.290435	1.57E-10
0.46654	-0.00224	0.96158	-0.25554	2.13E-08	-0.031254	0.50046	0.200881	1.22E-05
0.82695	0.062823	0.17531	-0.21385	3.12E-06	0.0208973	0.6524	0.294164	8.94E-11



0.1158	-0.02637	0.56981	-0.19859	1.54E-05	0.05845548	0.20734	0.258028	1.54E-08
0.00658	-0.08371	0.07071	-0.06264	0.17655	0.03920558	0.39795	-0.16575	0.00032
0.82171	0.047906	0.30156	-0.15626	0.0007	-0.0162904	0.7255	0.097747	0.03471
0.04757	-0.04078	0.37929	-0.1942	2.38E-05	-0.1447292	0.00171	-0.09675	0.0366
0.86746	0.046199	0.31914	-0.22519	8.81E-07	-0.0614147	0.18521	0.028846	0.53406
0.0308	0.005882	0.89913	-0.2678	4.12E-09	-0.0694446	0.134	0.110325	0.01708
0.2712	0.066178	0.15333	-0.15136	0.00103	0.02755699	0.55249	0.265798	5.42E-09
0.34939	0.009233	0.84227	-0.23872	1.78E-07	-0.0916681	0.04772	0.128904	0.00527
0.37557	-0.11456	0.01324	-0.24991	4.42E-08	0.01310658	0.77757	0.267579	4.24E-09
0.47127	0.095609	0.03889	0.413281	1.09E-20	0.28368268	4.30E-10	-0.02541	0.58395
0.24354	0.031716	0.49415	-0.2378	1.99E-07	-0.0454752	0.32679	0.237008	2.19E-07
0.86734	-0.04191	0.36617	-0.06209	0.18038	0.05504873	0.2351	0.182758	7.12E-05
0.47425	0.087061	0.06012	-0.06966	0.13282	0.0285831	0.53779	0.204844	8.11E-06
0.04062	0.200492	1.27E-05	0.087883	0.05773	0.18821209	4.26E-05	0.213426	3.26E-06
0.38911	-0.02649	0.56794	-0.23599	2.48E-07	-0.0697273	0.13242	0.12207	0.00827
0.68048	-0.06865	0.13855	-0.21466	2.85E-06	-0.0317527	0.49365	0.204916	8.05E-06
0.2218	-0.23573	2.56E-07	-0.27522	1.46E-09	0.00725411	0.87576	0.226807	7.31E-07
0.91238	0.041951	0.36571	-0.21025	4.59E-06	-0.0062512	0.89283	0.252	3.38E-08
0.73485	0.109978	0.01743	-0.15789	0.00062	-0.1846827	5.95E-05	-0.0794	0.08654
0.33998	-0.03904	0.39991	-0.24045	1.44E-07	-0.0825016	0.07489	0.164406	0.00036
0.97179	0.065983	0.15455	-0.10549	0.02262	0.05775912	0.21281	0.217199	2.16E-06
0.59135	0.027755	0.54964	-0.17032	0.00022	-0.0666705	0.15029	0.109712	0.01771
0.45567	0.075764	0.102	-0.11927	0.00989	-0.1003959	0.03006	0.049094	0.28972
0.57836	0.164546	0.00036	0.000882	0.98483	0.09160653	0.04787	0.203737	9.10E-06
0.53813	-0.04861	0.29451	-0.09764	0.03491	0.07849134	0.09021	0.196312	1.93E-05
0.48553	0.050536	0.27577	-0.22002	1.58E-06	-0.030748	0.50743	0.200141	1.31E-05
0.73037	0.364475	4.06E-16	0.185636	5.44E-05	0.03743755	0.41958	-0.1181	0.01064
0.12921	0.033923	0.46458	-0.10374	0.02497	0.04094311	0.37735	0.228612	5.93E-07
0.95125	0.017009	0.71391	-0.17975	9.39E-05	-0.121667	0.00849	0.045127	0.33051
0.92138	0.044015	0.34258	-0.17769	0.00011	-0.0637099	0.16929	0.132133	0.00423
0.44896	0.01228	0.79126	-0.10839	0.01914	0.00194891	0.9665	0.159395	0.00055
0.7022	0.183229	6.81E-05	0.180158	9.04E-05	0.05580697	0.2287	-0.19357	2.53E-05
0.99509	-0.0224	0.62921	-0.24017	1.49E-07	-0.0566549	0.2217	0.101775	0.02786
0.00019	0.131347	0.00447	-0.06484	0.16185	0.02526557	0.58602	0.177825	0.00011
0.51414	-0.02976	0.52119	-0.2643	6.64E-09	-0.0655176	0.15749	0.197658	1.69E-05
0.94307	0.054757	0.23759	-0.06105	0.18782	0.00480078	0.91759	0.113613	0.01403
0.1341	0.104492	0.02393	-0.13774	0.00286	-0.0408711	0.37819	0.168858	0.00025
0.62277	-0.00292	0.94977	-0.14587	0.00157	0.09319867	0.04411	0.190159	3.53E-05
0.30543	0.08425	0.06891	-0.09417	0.04194	0.12965368	0.00501	0.345367	1.58E-14
0.05752	0.030375	0.51259	-0.22384	1.03E-06	-0.0629346	0.17455	0.190772	3.33E-05
0.91267	0.010235	0.82542	-0.18186	7.73E-05	-0.0132723	0.77483	0.174002	0.00016
0.04428	0.043719	0.34584	-0.10644	0.02142	0.07809802	0.09184	0.182301	7.42E-05
0.18381	-0.09958	0.03144	-0.13656	0.00311	0.00643472	0.8897	0.089993	0.05196
0.52005	0.072104	0.1197	-0.09061	0.05036	0.03884471	0.40231	0.20419	8.68E-06
0.6109	0.037184	0.42274	-0.17382	0.00016	-0.1200657	0.0094	0.091841	0.0473

0.82956	0.052664	0.25603	-0.1993	1.43E-05	-0.0262682	0.57123	0.208586	5.48E-06
0.68515	0.017825	0.70084	-0.15199	0.00098	-0.0168889	0.71584	0.136967	0.00302
0.85002	0.027271	0.55663	-0.25329	2.86E-08	-0.0553631	0.23243	0.219301	1.71E-06
0.97595	0.063935	0.16778	-0.15391	0.00085	-0.0445675	0.33655	0.143476	0.00188
0.4769	0.136433	0.00313	0.021793	0.63853	0.16135761	0.00046	0.340572	3.80E-14
0.76997	-0.09638	0.03733	-0.1574	0.00064	0.00857149	0.85343	0.149502	0.00119
0.73396	-0.01161	0.80243	-0.24694	6.44E-08	-0.0592065	0.20155	0.195273	2.14E-05
0.70323	0.05504	0.23517	-0.16778	0.00027	0.06254172	0.17726	0.333652	1.32E-13
0.66485	0.152191	0.00097	-0.02268	0.62496	-0.015656	0.73578	0.117998	0.01071
0.81259	0.084547	0.06793	0.253084	2.94E-08	0.14261382	0.00201	-0.1262	0.00632
0.96267	0.070788	0.12662	-0.09381	0.04274	0.01542286	0.73957	0.124579	0.00703
0.24014	0.009557	0.83681	-0.07344	0.11299	0.09914625	0.03218	0.313097	4.43E-12
0.62933	0.171883	0.00019	-0.00235	0.95963	0.2429068	1.07E-07	0.383748	7.82E-18
0.49178	0.129397	0.0051	-0.1189	0.01012	-0.0067328	0.88463	0.067816	0.14339
0.00502	0.260669	1.08E-08	-0.03405	0.46294	-0.0151494	0.74403	0.129752	0.00498
2.08E-06	0.051109	0.27036	-0.05298	0.2532	0.09230428	0.04619	0.181267	8.17E-05
0.42586	0.102397	0.02692	-0.09273	0.0452	-0.0154562	0.73903	0.191318	3.16E-05
0.005	0.233655	3.28E-07	-0.08281	0.07381	-0.073307	0.11364	0.085624	0.06449
0.79614	-0.18454	6.03E-05	-0.26754	4.27E-09	0.01440735	0.75616	0.225174	8.82E-07
0.31467	0.024204	0.60186	-0.18173	7.82E-05	0.11005963	0.01735	0.256899	1.79E-08
0.34703	0.039148	0.39864	-0.23466	2.91E-07	-0.0468951	0.3119	0.228498	6.01E-07
0.23673	0.187927	4.38E-05	0.261581	9.59E-09	0.06761346	0.14459	-0.07823	0.09129
0.45456	-0.09789	0.03445	-0.2213	1.37E-06	-0.0058917	0.89896	0.24678	6.57E-08
0.57839	0.059698	0.19782	-0.17534	0.00014	0.0355899	0.44291	0.251597	3.56E-08
0.09536	0.276317	1.25E-09	-0.03032	0.51343	0.15691997	0.00067	0.374149	5.78E-17
0.0007	-0.05998	0.19573	-0.27321	1.94E-09	-0.237366	2.10E-07	-0.24315	1.03E-07
0.39936	0.068492	0.13944	-0.03697	0.42544	-0.0170063	0.71395	0.073737	0.11153
0.91676	-0.11177	0.01567	-0.42597	5.22E-22	-0.345791	1.46E-14	-0.13685	0.00304
0.44228	0.280383	6.96E-10	-0.04094	0.37735	0.05603062	0.22684	0.214404	2.93E-06
0.7537	0.01643	0.72324	-0.18509	5.72E-05	0.00849659	0.8547	0.207615	6.07E-06
0.83517	0.013519	0.77076	-0.21233	3.67E-06	0.02599881	0.57519	0.246954	6.43E-08
0.18351	0.060768	0.18989	-0.15159	0.00102	0.10308754	0.0259	0.220369	1.52E-06
0.10629	0.106812	0.02096	-0.1091	0.01835	-0.0568579	0.22004	0.082147	0.07615
0.88594	-0.08797	0.05747	-0.1903	3.48E-05	-0.0009847	0.98307	0.155349	0.00076
0.10189	0.185326	5.60E-05	-0.02115	0.64852	0.1939871	2.43E-05	0.37	1.34E-16
0.98378	-0.05706	0.2184	-0.20578	7.35E-06	0.03424702	0.46032	0.311857	5.43E-12
0.12135	-0.01192	0.79722	-0.16049	0.0005	-0.0125769	0.78634	0.178192	0.00011
0.14386	-0.05664	0.22182	-0.25062	4.03E-08	-0.052179	0.26044	0.074148	0.10954
0.91708	0.051005	0.27133	-0.13559	0.00333	0.0244578	0.59805	0.230705	4.65E-07
0.06315	0.044402	0.33835	-0.21901	1.77E-06	-0.1328548	0.00403	0.025627	0.58066
0.88207	0.030344	0.51302	-0.22225	1.23E-06	-0.1119207	0.01553	0.08468	0.0675
0.13778	0.06481	0.16203	-0.08558	0.06464	0.14410552	0.0018	0.306715	1.25E-11
0.68023	0.094415	0.04141	-0.33865	5.39E-14	-0.198818	1.50E-05	-0.00951	0.83759
0.5784	0.107948	0.01963	-0.10285	0.02624	0.0270577	0.55972	0.195047	2.19E-05
0.08536	0.152098	0.00098	0.065351	0.15855	0.20190816	1.10E-05	0.256248	1.95E-08

0.56005	0.029073	0.53084	-0.11003	0.01738	0.02127534	0.64653	0.188568	4.12E-05
0.98264	0.010279	0.82467	-0.33702	7.23E-14	-0.2313838	4.29E-07	-0.04653	0.31565
0.19119	0.089986	0.05197	-0.04078	0.37926	0.00065718	0.9887	0.155327	0.00076
0.39113	0.017265	0.70979	-0.22464	9.37E-07	-0.022786	0.62332	0.248345	5.39E-08
0.38152	0.092438	0.04588	-0.06025	0.19371	-0.0018879	0.96754	0.135228	0.00341
0.52839	0.077657	0.09369	-0.3699	1.37E-16	-0.2895948	1.79E-10	-0.10206	0.02742
0.43608	0.157959	0.00061	-0.14076	0.0023	-0.1746492	0.00015	-0.04597	0.3216
0.92727	0.020573	0.65744	0.115496	0.0125	0.0975232	0.03513	-0.11164	0.0158
0.05202	-0.02133	0.6457	-0.109	0.01846	0.0507459	0.27378	0.206201	7.04E-06
0.76464	0.030192	0.51514	-0.2237	1.04E-06	-0.0383326	0.40854	0.223587	1.06E-06
0.00867	0.094332	0.04159	0.019376	0.67622	0.15311982	0.0009	0.299885	3.69E-11
0.47275	0.049907	0.2818	-0.1103	0.0171	0.03099303	0.50405	0.156448	0.00069
0.66022	-0.07429	0.10887	-0.12705	0.00597	0.29150412	1.34E-10	0.421053	1.72E-21
0.53608	0.1225	0.00805	-0.16786	0.00027	0.14249448	0.00202	0.464594	2.22E-26
0.66652	0.029214	0.52885	-0.20266	1.02E-05	-0.0357198	0.44125	0.111397	0.01602
0.98188	-0.0016	0.9725	-0.22325	1.10E-06	-0.0891008	0.05434	0.124142	0.00723
0.28838	-0.13271	0.00407	-0.14424	0.00178	0.007635	0.86929	0.18634	5.09E-05
0.49989	0.022679	0.62495	-0.20693	6.52E-06	-0.0518352	0.2636	0.130615	0.0047
0.63084	0.10909	0.01836	-0.25711	1.74E-08	-0.1774025	0.00012	0.142702	0.00199
1.93E-10	0.027932	0.5471	-0.17114	0.0002	0.00566369	0.90285	0.158032	0.00061
0.84807	-0.22008	1.57E-06	-0.22128	1.37E-06	0.0108752	0.81468	0.196427	1.91E-05
0.55491	0.061788	0.18255	-0.09337	0.04371	0.04112056	0.37529	0.166131	0.00031
0.04371	-0.05075	0.27375	-0.08451	0.06805	0.06272898	0.17596	0.240579	1.42E-07
0.00061	0.034216	0.46073	-0.17786	0.00011	0.03692483	0.42598	0.257213	1.71E-08
0.03407	0.478522	4.24E-28	0.438163	2.50E-23	0.01043459	0.82206	-0.21246	3.62E-06
0.73566	0.089014	0.05457	-0.06504	0.16055	0.04720329	0.30872	0.130416	0.00476
0.41746	-0.078	0.09224	-0.32357	7.65E-13	-0.0580586	0.21044	0.137852	0.00283
0.95933	0.100419	0.03003	0.079025	0.08804	0.04591036	0.32218	-0.18515	5.69E-05
0.27045	-0.02566	0.58022	0.409195	2.81E-20	0.1054327	0.02269	-0.17148	0.0002
0.73998	0.023644	0.61029	-0.20854	5.51E-06	-0.0431361	0.35231	0.20322	9.59E-06
0.34616	0.064499	0.16406	-0.03715	0.42315	0.03040022	0.51225	0.119233	0.00991
0.56599	0.053347	0.24991	0.395158	6.65E-19	0.32113901	1.16E-12	0.114513	0.01328
0.6883	0.050122	0.27973	-0.12685	0.00605	-0.0555407	0.23094	0.080883	0.0808
0.86522	0.055853	0.22832	-0.15662	0.00068	-0.0498234	0.28261	0.127881	0.00565
0.90936	-0.20938	5.03E-06	-0.23651	2.33E-07	-0.0560708	0.22651	0.098123	0.03401
0.3463	-0.0206	0.6571	-0.234	3.15E-07	-0.0596812	0.19795	0.094717	0.04076
0.80594	0.046127	0.31989	-0.19509	2.18E-05	-0.0721717	0.11935	-0.0235	0.61251
0.70687	0.092527	0.04567	-0.16275	0.00041	0.03302147	0.47654	0.284398	3.87E-10
0.35892	0.070046	0.13066	-0.02213	0.63333	0.14685248	0.00146	0.185818	5.34E-05
0.1608	-0.18086	8.48E-05	-0.53743	2.62E-36	-0.2804468	6.89E-10	-0.10592	0.02206
0.70014	-0.03988	0.38982	-0.24481	8.42E-08	-0.0063506	0.89113	0.179467	9.63E-05
0.47322	0.046102	0.32016	-0.23131	4.33E-07	-0.058034	0.21064	0.12985	0.00495
0.97696	-0.00147	0.97466	-0.18854	4.13E-05	-0.0978896	0.03444	0.057969	0.21115
0.32432	-0.0028	0.95188	-0.23398	3.15E-07	-0.0632393	0.17247	0.085006	0.06645
0.44689	-0.10959	0.01783	-0.16379	0.00038	-0.0347806	0.45336	0.052829	0.25454

0.86779	0.025474	0.58292	-0.19693	1.82E-05	-0.081663	0.07791	0.12229	0.00816
0.68469	-0.04184	0.36692	-0.25994	1.19E-08	-0.1423843	0.00204	-0.02376	0.60861
0.90624	0.139831	0.00246	-0.00494	0.91525	-0.0393475	0.39624	0.072957	0.11537
0.85974	0.123451	0.00757	-0.20191	1.10E-05	-0.1133291	0.01427	0.103981	0.02463
4.61E-06	-0.00561	0.90383	-0.17339	0.00017	0.03349184	0.47028	0.198161	1.61E-05
0.27144	0.028949	0.5326	-0.21931	1.71E-06	0.09396176	0.0424	0.410285	2.18E-20
0.57408	0.078103	0.09182	-0.03879	0.40291	0.26513379	5.93E-09	0.44635	3.02E-24
0.37819	0.208199	5.71E-06	-0.07933	0.0868	0.04069922	0.3802	0.226714	7.39E-07
0.0582	0.298139	4.84E-11	0.529694	3.90E-35	0.05817961	0.20949	-0.11745	0.01108
0.77634	0.002348	0.95964	-0.17575	0.00013	0.03605756	0.43694	0.313458	4.17E-12
0.2216	-0.07606	0.10067	-0.19686	1.83E-05	-0.0563318	0.22435	0.087275	0.05949
0.67254	0.076062	0.10066	-0.12436	0.00713	-0.0006356	0.98907	0.120836	0.00895
0.40222	0.164441	0.00036	-0.03831	0.40879	-0.0152728	0.74202	0.142732	0.00199
0.76699	0.076371	0.09928	-0.10122	0.02873	0.07309917	0.11467	0.280095	7.26E-10
0.53397	-0.04236	0.36104	-0.41532	6.73E-21	-0.0419501	0.36572	0.154743	0.00079
0.98031	0.003884	0.9333	-0.24879	5.10E-08	-0.0369282	0.42594	0.199348	1.42E-05
0.05226	0.062291	0.17901	-0.13415	0.00368	0.09242384	0.04591	0.299848	3.71E-11
0.19759	-0.15045	0.00111	0.085942	0.0635	-0.0601808	0.19422	-0.30409	1.90E-11
1.07E-05	-0.01406	0.76187	-0.1684	0.00026	-0.0133899	0.77289	0.203413	9.41E-06
0.72851	0.018026	0.69763	-0.32673	4.44E-13	-0.1229549	0.00781	0.063727	0.16918
0.17169	0.079552	0.08593	-0.02817	0.54372	0.03850271	0.40647	0.173812	0.00016
0.41312	-0.07261	0.11714	-0.3045	1.78E-11	-0.0860949	0.06303	0.090183	0.05146
0.90904	0.12178	0.00843	0.001135	0.98048	0.0002262	0.99611	0.097099	0.03594
0.12199	-0.09458	0.04106	-0.15324	0.00089	-0.0795737	0.08585	-0.01848	0.69034
0.08945	-0.01593	0.7313	-0.25651	1.88E-08	-0.0626771	0.17632	0.185791	5.36E-05
1.75E-12	-0.15486	0.00079	-0.22554	8.46E-07	-0.0559765	0.22729	0.091192	0.0489
0.28498	0.081518	0.07844	-0.23005	5.02E-07	0.11287507	0.01467	0.379945	1.74E-17
0.92317	0.03569	0.44162	-0.21826	1.92E-06	-0.0075893	0.87007	0.226919	7.22E-07
0.90977	0.121022	0.00885	-0.07975	0.08515	-0.0208026	0.65387	0.079916	0.0845
0.02003	0.108879	0.01859	-0.08781	0.05793	0.0215302	0.64259	0.077488	0.09441
0.15952	-0.01118	0.8096	-0.24505	8.17E-08	-0.0357053	0.44143	0.148115	0.00133
0.98016	-0.03025	0.51427	-0.19209	2.93E-05	0.06624905	0.15289	0.178434	0.00011
0.96033	0.033394	0.47158	-0.168	0.00027	-0.0465116	0.31587	0.179411	9.68E-05
0.93028	0.063197	0.17276	-0.1392	0.00257	-0.0080877	0.86162	0.205405	7.65E-06
0.3143	0.009485	0.83803	-0.2726	2.11E-09	-0.0770471	0.09631	0.113932	0.01376
0.7637	0.036768	0.42795	-0.22326	1.10E-06	-0.0508403	0.27289	0.203137	9.68E-06
0.99231	0.01644	0.72309	-0.16927	0.00024	-0.0390411	0.39993	0.152132	0.00097
0.4174	-0.00357	0.93864	-0.24006	1.51E-07	-0.0856205	0.0645	0.123117	0.00773
0.7632	0.049831	0.28254	-0.16868	0.00025	-0.0285102	0.53883	0.22392	1.02E-06
0.09036	-0.02823	0.54282	-0.0737	0.11169	0.05771544	0.21316	0.087197	0.05972
0.66234	-0.02726	0.55676	-0.20108	1.19E-05	-0.0594634	0.19959	0.095468	0.03918
0.51781	-0.04085	0.37844	-0.16016	0.00051	0.09363475	0.04313	0.207268	6.30E-06
0.32194	0.02672	0.56463	-0.10703	0.0207	0.10175288	0.0279	0.255761	2.07E-08
0.41143	0.074165	0.10946	-0.20031	1.29E-05	-0.098916	0.03259	0.055114	0.23455
0.8044	-0.00027	0.99538	-0.22384	1.03E-06	-0.0357717	0.44058	0.182412	7.35E-05

0.4478	0.002111	0.96372	-0.21258	3.58E-06	-0.0328722	0.47853	0.171709	0.00019
0.26492	-0.10795	0.01962	-0.12331	0.00763	-0.0098948	0.83112	0.105122	0.02309
0.96532	-0.00875	0.85035	-0.12403	0.00729	-0.0339097	0.46475	0.098619	0.03312
0.79087	-0.01787	0.70013	-0.18357	6.60E-05	-0.0702102	0.12976	0.086156	0.06284
0.82279	0.021325	0.64577	-0.108	0.01957	-0.0152097	0.74305	0.107731	0.01988
0.93044	0.000405	0.99303	-0.10169	0.028	0.01454851	0.75385	0.082081	0.07639
0.45905	0.066801	0.14949	-0.06745	0.14556	-0.0108252	0.81552	0.093232	0.04403
0.53743	0.039788	0.39097	-0.17007	0.00022	-0.0231233	0.61818	0.195235	2.15E-05
0.40305	-0.03914	0.39879	-0.26668	4.80E-09	-0.1096063	0.01782	0.045993	0.3213
0.88776	-0.01298	0.7797	-0.24058	1.42E-07	-0.0239827	0.60519	0.129226	0.00516
0.51403	-0.01529	0.74166	-0.23546	2.64E-07	-0.0515947	0.26583	0.13664	0.00309
0.56987	0.018764	0.68589	-0.16496	0.00034	-0.0123191	0.79061	0.180244	8.97E-05
0.53364	-0.03988	0.38982	-0.30579	1.45E-11	-0.1317912	0.00433	0.015171	0.74367
0.23931	-0.02663	0.56595	-0.25086	3.91E-08	-0.0057583	0.90123	0.161912	0.00044
0.47437	0.012143	0.79353	-0.21354	3.22E-06	-0.0331314	0.47507	0.187932	4.37E-05
0.4761	0.036848	0.42695	-0.17983	9.32E-05	-0.0302327	0.51457	0.145949	0.00156
0.58641	0.039074	0.39953	-0.18627	5.12E-05	-0.0453372	0.32826	0.158519	0.00059
0.7971	0.062147	0.18002	-0.1575	0.00064	-0.0372771	0.42158	0.171324	0.0002
0.00308	0.012019	0.79561	-0.17409	0.00016	-0.1052074	0.02298	0.045367	0.32795
0.303	0.027022	0.56024	-0.22187	1.28E-06	-0.0309482	0.50467	0.197865	1.65E-05
0.17008	0.02387	0.60689	-0.15825	0.0006	0.01731721	0.70896	0.219912	1.60E-06
0.30324	0.008918	0.84759	-0.1986	1.54E-05	-0.0295748	0.52377	0.189937	3.61E-05
0.00564	-0.04765	0.30412	-0.1383	0.00274	-0.033911	0.46474	0.067027	0.14812
0.82914	-0.02148	0.64329	-0.18765	4.49E-05	-0.0325488	0.48287	0.175315	0.00014
0.75816	0.081236	0.07948	-0.09636	0.03739	0.01897025	0.68262	0.13067	0.00468
0.66067	0.011773	0.79969	-0.221	1.41E-06	-0.0729111	0.1156	0.140119	0.00241
0.41152	0.021803	0.63839	-0.15661	0.00068	0.01102874	0.81211	0.189456	3.78E-05
0.87216	0.06173	0.18296	-0.0685	0.13937	0.0181233	0.69607	0.121909	0.00836
0.61855	0.027988	0.54629	-0.20732	6.26E-06	-0.0513409	0.26819	0.069219	0.13527
0.7083	0.015358	0.74064	-0.24508	8.13E-08	-0.0329713	0.47721	0.199759	1.37E-05
0.5907	0.06002	0.19541	-0.22612	7.91E-07	-0.1177192	0.0109	0.071001	0.12548
0.96892	-0.01306	0.77826	-0.15928	0.00055	-0.0775859	0.094	0.057582	0.21422
0.37676	0.032144	0.48833	-0.14879	0.00126	-0.0096009	0.83607	0.151611	0.00101
0.50938	-0.03237	0.48533	-0.08736	0.05923	0.24570256	7.53E-08	0.301426	2.90E-11
0.3246	0.274909	1.52E-09	0.104859	0.02344	0.16767426	0.00027	0.252498	3.17E-08
0.01311	0.013951	0.76365	-0.21524	2.68E-06	-0.035402	0.44532	0.210579	4.43E-06
0.50104	-0.01765	0.7037	-0.23241	3.80E-07	-0.0186083	0.68836	0.212449	3.63E-06
0.53603	0.038381	0.40796	-0.16769	0.00027	-0.0175896	0.7046	0.185259	5.63E-05
0.91676	0.074303	0.1088	-0.1289	0.00528	0.00125407	0.97844	0.18312	6.88E-05
0.34095	0.025238	0.58642	-0.20722	6.33E-06	-0.0436344	0.34677	0.14331	0.0019
0.49007	0.023271	0.61594	-0.20029	1.30E-05	-0.0211068	0.64915	0.184472	6.07E-05
0.82029	0.017411	0.70745	-0.24644	6.86E-08	-0.0729994	0.11516	0.205136	7.87E-06
0.01894	0.157808	0.00062	0.022508	0.62757	0.11778571	0.01085	0.244647	8.59E-08
0.31305	-0.09364	0.04312	-0.14036	0.00236	0.07119558	0.12445	0.228208	6.22E-07
0.10614	0.076875	0.09706	-0.0722	0.11919	0.0904466	0.05078	0.169659	0.00023

0.79992	0.082166	0.07609	-0.03264	0.48168	0.21744279	2.10E-06	0.261174	1.01E-08
0.77492	0.036657	0.42934	-0.22164	1.32E-06	-0.0348465	0.4525	0.21425	2.98E-06
0.83493	-0.12203	0.00829	-0.18187	7.72E-05	0.15539205	0.00075	0.369439	1.50E-16
0.77304	0.006968	0.88062	-0.22522	8.77E-07	-0.0357663	0.44065	0.194671	2.27E-05
0.35639	-0.13143	0.00444	-0.19112	3.22E-05	0.21833502	1.91E-06	0.354007	3.11E-15
0.34537	0.051885	0.26314	-0.22751	6.74E-07	-0.0344144	0.45813	0.222984	1.13E-06
0.31869	0.006785	0.88374	-0.40646	5.26E-20	-0.2492253	4.82E-08	-0.03661	0.42989
0.8532	-0.08328	0.07216	-0.28005	7.31E-10	-0.0674163	0.14577	0.163514	0.00039
6.54E-06	0.058972	0.20335	0.33013	2.46E-13	0.09834833	0.0336	-0.12352	0.00753
0.00685	0.066352	0.15226	-0.19425	2.37E-05	-0.1172714	0.01121	-0.05174	0.2645
0.98303	0.033942	0.46433	-0.11454	0.01326	-0.1169264	0.01145	0.117323	0.01117
0.80471	-0.18049	8.77E-05	-0.37881	2.21E-17	-0.1279985	0.0056	-0.09262	0.04545
0.73494	0.03667	0.42918	-0.25074	3.97E-08	-0.0580818	0.21026	0.211569	3.99E-06
0.57333	0.02125	0.64693	-0.15614	0.00071	0.02985429	0.51985	0.153886	0.00085
0.77689	-0.00466	0.91991	-0.2371	2.17E-07	-0.0344902	0.45714	0.214139	3.02E-06
0.01883	0.147369	0.00141	-0.09777	0.03466	0.02761456	0.55166	0.177238	0.00012
0.81644	0.059282	0.20097	-0.17669	0.00012	0.03641983	0.43234	0.229283	5.49E-07
0.6383	0.082684	0.07425	-0.16054	0.0005	0.1049091	0.02337	0.302968	2.27E-11
0.62232	-0.04547	0.32689	-0.13898	0.00261	0.03595139	0.43829	0.128379	0.00546
0.6378	0.036541	0.43082	-0.14089	0.00227	-0.0402312	0.38571	0.124441	0.00709
0.49834	0.010179	0.82635	-0.27788	9.99E-10	-0.073143	0.11445	0.188844	4.01E-05
0.22563	0.219905	1.60E-06	0.067173	0.14724	0.09867507	0.03302	0.187719	4.46E-05
0.83412	0.046106	0.32012	-0.24084	1.38E-07	-0.0190616	0.68118	0.279515	7.89E-10
0.73172	0.063048	0.17377	-0.12496	0.00686	0.00920152	0.8428	0.208825	5.34E-06
0.21288	0.024131	0.60295	-0.05755	0.21444	0.06072414	0.19021	0.131753	0.00434
0.37667	0.097765	0.03468	-0.06446	0.16432	-0.0476167	0.3045	0.039968	0.38882
0.00253	0.06712	0.14756	-0.06235	0.17862	0.01083158	0.81541	0.116864	0.01149
0.85753	0.07625	0.09981	-0.14011	0.00241	-0.0131335	0.77712	0.191738	3.03E-05
6.77E-07	0.281972	5.52E-10	0.385048	5.93E-18	0.06339116	0.17144	-0.1306	0.0047
0.7693	0.022539	0.62708	-0.30121	2.99E-11	-0.2073289	6.25E-06	0.033291	0.47294
0.81243	0.014661	0.75201	-0.24881	5.08E-08	-0.0809227	0.08065	0.131541	0.00441
0.66112	-0.02904	0.53133	-0.19937	1.42E-05	0.15356612	0.00087	0.355973	2.13E-15
0.89953	-0.2353	2.69E-07	-0.34933	7.54E-15	0.0235538	0.61166	0.125322	0.00669
0.55333	-0.16246	0.00042	-0.10268	0.0265	0.08731734	0.05936	0.177379	0.00012
0.08559	0.008267	0.85859	-0.30581	1.45E-11	-0.0669981	0.14829	0.20548	7.59E-06
0.51343	0.112488	0.01501	-0.12337	0.00761	-0.012939	0.78034	0.105474	0.02263
0.84079	0.004514	0.9225	-0.21104	4.22E-06	-0.0164133	0.72351	0.221956	1.27E-06
0.70671	0.033466	0.47062	-0.25014	4.29E-08	-0.0819087	0.07701	0.047323	0.30749
0.74731	0.090948	0.04951	-0.14791	0.00135	-0.0808611	0.08088	0.035565	0.44324
0.43864	0.014983	0.74675	-0.25328	2.87E-08	-0.0347117	0.45425	0.216638	2.30E-06
0.00469	-3.97E-05	0.99932	-0.1927	2.76E-05	-0.0227219	0.6243	0.090385	0.05094
0.22823	0.023586	0.61117	-0.18167	7.87E-05	-0.0280391	0.54556	0.107008	0.02073
0.63321	0.082814	0.07379	-0.20294	9.87E-06	-0.1143882	0.01338	0.008102	0.86138
0.86741	0.038413	0.40756	-0.19864	1.53E-05	-0.094947	0.04027	0.104374	0.02409
0.50353	-0.00482	0.91726	-0.21763	2.06E-06	-0.0527879	0.25491	0.082672	0.07429

0.31512	0.017675	0.70322	-0.17093	0.00021	-0.0199176	0.6677	0.134366	0.00362
0.0282	0.171526	0.0002	0.210142	4.64E-06	-0.1406921	0.00231	-0.31022	7.09E-12
0.22336	-0.24439	8.87E-08	-0.33269	1.57E-13	-0.1745602	0.00015	-0.04149	0.37098
0.48355	0.013962	0.76347	-0.19333	2.59E-05	0.05784722	0.21211	0.304275	1.85E-11
0.82089	0.06674	0.14987	-0.10906	0.01839	0.00146872	0.97475	0.129696	0.005
0.02402	0.069872	0.13162	0.468503	7.44E-27	0.30952834	7.93E-12	0.029511	0.52467
0.36743	0.217979	1.98E-06	0.024056	0.60409	0.11709375	0.01133	0.288596	2.08E-10
0.74926	-0.00039	0.99327	-0.23898	1.73E-07	-0.1540897	0.00083	0.046453	0.31648
0.93454	0.07077	0.12672	-0.2244	9.64E-07	-0.0637045	0.16933	0.201136	1.19E-05
0.28762	0.038555	0.40583	-0.15721	0.00065	-0.0366613	0.42929	0.154017	0.00084
0.54041	-0.0775	0.09437	-0.11144	0.01598	0.08861822	0.05566	0.279651	7.74E-10
0.90239	0.161863	0.00045	-0.02749	0.55341	0.30515706	1.60E-11	0.530708	2.75E-35
0.6804	0.279026	8.47E-10	0.157958	0.00061	0.19701282	1.80E-05	0.370038	1.33E-16
0.40833	0.025686	0.57979	-0.29807	4.89E-11	-0.0389199	0.4014	0.227218	6.97E-07
0.78062	-0.00661	0.88678	-0.19428	2.36E-05	-0.0379659	0.41305	0.128806	0.00531
0.89658	0.017094	0.71254	-0.25934	1.29E-08	-0.0786587	0.08953	0.155661	0.00074
0.98738	0.100136	0.03049	-0.01875	0.68603	0.04949047	0.28584	0.139466	0.00252
0.53774	0.081762	0.07754	-0.1237	0.00744	-0.0037311	0.93591	0.10706	0.02067
0.71179	-0.07166	0.122	-0.2409	1.37E-07	-0.0228694	0.62205	0.076138	0.10031
0.04008	0.012694	0.7844	-0.18935	3.82E-05	-0.0611367	0.18721	0.08725	0.05956
0.33861	0.034825	0.45279	-0.11633	0.01188	-0.0357397	0.44099	0.119593	0.00969
0.35579	0.062493	0.1776	-0.06266	0.17646	-0.0014713	0.9747	0.089591	0.05302
0.08501	0.007342	0.87427	-0.13857	0.00269	0.098744	0.03289	0.344071	2.00E-14
0.07409	0.019669	0.6716	-0.21778	2.03E-06	-0.0527094	0.25562	0.152772	0.00093
0.2792	-0.16942	0.00024	-0.24515	8.06E-08	-0.0820167	0.07662	0.025493	0.58264
0.38562	-0.16058	0.00049	-0.30528	1.57E-11	-0.1419773	0.0021	-0.06862	0.13867
0.676	0.016048	0.72942	-0.26031	1.14E-08	-0.0387077	0.40397	0.21484	2.80E-06
0.67504	-0.01596	0.73089	-0.2143	2.97E-06	-0.0095486	0.83695	0.233751	3.24E-07
0.5915	-0.03468	0.45461	-0.31153	5.73E-12	-0.1197695	0.00958	0.076749	0.09761
0.97207	0.187765	4.44E-05	0.462261	4.23E-26	0.23409295	3.11E-07	0.060933	0.18869
0.59821	0.007324	0.87457	-0.30792	1.03E-11	-0.1591202	0.00056	0.069501	0.13369
0.59234	-0.11323	0.01435	0.401942	1.47E-19	0.37135072	1.02E-16	0.096948	0.03623
0.60696	0.124384	0.00712	-0.034	0.46356	0.15463462	0.0008	0.439662	1.70E-23
0.4312	0.022173	0.6327	-0.13838	0.00273	0.11618073	0.01199	0.293574	9.78E-11
0.71831	-0.01632	0.72509	-0.11082	0.01658	0.05994622	0.19596	0.234564	2.94E-07
0.77274	-0.15106	0.00106	-0.41203	1.45E-20	-0.0198581	0.66863	0.08785	0.05782
0.49585	-0.05697	0.21912	-0.29155	1.33E-10	-0.0432812	0.35069	0.235275	2.70E-07
0.73345	-0.16289	0.00041	-0.1552	0.00076	0.07142763	0.12322	0.254055	2.59E-08
0.79023	0.087484	0.05888	-0.26726	4.44E-09	-0.0421063	0.36394	0.222696	1.17E-06
0.92257	0.04112	0.37529	-0.1537	0.00086	-0.0202189	0.66298	0.15994	0.00052
0.7692	-0.00079	0.98635	-0.03926	0.39731	0.02391653	0.60618	0.132014	0.00427
0.03834	-0.16667	0.0003	-0.43063	1.66E-22	-0.0065023	0.88855	0.235528	2.62E-07
0.72567	-0.04435	0.33888	-0.17203	0.00019	0.09731604	0.03552	0.312844	4.62E-12
0.49834	0.094435	0.04136	-0.12203	0.00829	0.05031341	0.2779	0.276385	1.24E-09
0.0668	0.163185	0.0004	-0.02726	0.55685	0.15411816	0.00083	0.326715	4.45E-13

0.7715	0.106303	0.02159	-0.03277	0.47984	0.14454299	0.00174	0.373401	6.73E-17
0.47625	0.048009	0.30053	-0.07127	0.12403	0.00909664	0.84457	0.130809	0.00463
0.93151	0.014711	0.75118	-0.23127	4.35E-07	0.03739976	0.42005	0.223672	1.05E-06
0.91192	0.053207	0.25115	-0.27249	2.14E-09	-0.0355724	0.44314	0.249808	4.48E-08
0.76385	0.057192	0.21734	-0.13524	0.00341	-0.0068457	0.8827	0.219762	1.63E-06
0.03047	0.287384	2.49E-10	-0.02352	0.61213	0.24496462	8.26E-08	0.371816	9.30E-17
0.8976	0.003738	0.93579	-0.06061	0.19101	0.02589297	0.57674	0.101152	0.02884
0.63472	-0.08809	0.05715	-0.22421	9.85E-07	-0.0563172	0.22447	0.159311	0.00055
0.47274	0.0495	0.28575	-0.08514	0.06602	0.11569964	0.01235	0.241229	1.31E-07
0.51227	0.170933	0.00021	-0.00221	0.96193	0.10244558	0.02685	0.30982	7.57E-12
0.51824	0.031939	0.49112	-0.07183	0.12112	0.02309305	0.61864	0.119668	0.00964
0.83654	-0.02554	0.58201	-0.14824	0.00131	-0.040444	0.3832	0.072942	0.11545
0.37122	0.02261	0.62601	-0.22975	5.19E-07	-0.0286964	0.53618	0.194255	2.37E-05
0.20239	-0.01318	0.77641	-0.17197	0.00019	0.03364178	0.46829	0.304395	1.81E-11
0.2353	-0.11542	0.01257	-0.28055	6.79E-10	-0.0150981	0.74487	0.263519	7.38E-09
0.65645	-0.01777	0.70177	-0.2512	3.75E-08	0.08846087	0.0561	0.346228	1.34E-14
0.08057	0.169146	0.00024	0.031321	0.49954	0.14737873	0.0014	0.270851	2.70E-09
0.18941	0.316568	2.49E-12	-0.05419	0.24249	0.10148499	0.02831	0.241442	1.28E-07
0.69902	-0.07659	0.09832	-0.08591	0.06361	0.03855312	0.40585	0.112455	0.01504
0.98494	0.204236	8.64E-06	0.003622	0.93778	0.10410151	0.02447	0.238994	1.72E-07
0.59114	0.049466	0.28608	-0.1062	0.02172	-0.0279428	0.54694	0.138014	0.0028
0.55655	0.072086	0.11979	-0.14151	0.00217	0.03414549	0.46165	0.260747	1.07E-08
0.42519	0.048431	0.2963	-0.18949	3.77E-05	-0.0967547	0.0366	0.098454	0.03341
0.72753	0.024294	0.60051	-0.19975	1.37E-05	-0.0493931	0.28679	0.206637	6.73E-06
0.68747	0.085516	0.06483	-0.15175	0.001	-0.050299	0.27803	0.20009	1.32E-05
0.78459	0.161371	0.00046	-0.17308	0.00017	-0.0565687	0.2224	0.153811	0.00085
0.82826	-0.0868	0.0609	-0.11757	0.011	0.00330729	0.94318	0.12919	0.00517
0.7862	0.138642	0.00268	-0.09026	0.05125	0.09574176	0.03862	0.26983	3.11E-09
0.4016	0.084287	0.06879	-0.12841	0.00545	0.04543707	0.3272	0.216212	2.41E-06
0.00743	0.050936	0.27198	-0.10821	0.01934	-0.0959524	0.03819	0.026967	0.56103
0.47383	0.092327	0.04614	-0.19248	2.82E-05	-0.0960394	0.03802	0.084109	0.06938
0.15033	0.097785	0.03464	-0.13796	0.00281	-0.4935264	4.85E-30	-0.3129	4.57E-12
0.4101	0.204798	8.15E-06	0.302924	2.29E-11	0.24801018	5.63E-08	-0.0925	0.04572
0.87384	0.031578	0.49603	-0.11554	0.01247	0.09900731	0.03243	0.178557	0.0001
0.06069	-0.02378	0.60827	-0.1419	0.00211	0.0711348	0.12477	0.236836	2.24E-07
0.725	0.385012	5.98E-18	0.140105	0.00241	0.00868234	0.85156	0.043591	0.34725
0.36286	0.000199	0.99658	-0.23013	4.97E-07	-0.0709734	0.12563	0.037198	0.42257
0.14264	0.077599	0.09394	-0.14933	0.00121	-0.0766296	0.09813	0.102787	0.02634
0.00389	0.039525	0.39411	-0.11408	0.01364	0.01371522	0.76753	0.198442	1.56E-05
0.35851	0.155809	0.00073	0.373248	6.95E-17	0.24869003	5.16E-08	-0.00915	0.84362
0.3492	0.013911	0.7643	-0.17449	0.00015	-0.0100844	0.82794	0.14751	0.00139
0.00375	-0.1949	2.22E-05	-0.42912	2.40E-22	-0.2091984	5.13E-06	-0.06326	0.17233
0.1951	0.179214	9.86E-05	-0.09893	0.03257	-0.0613732	0.18551	0.067775	0.14364
0.65537	0.100738	0.02951	-0.06202	0.18092	0.02932719	0.52725	0.165275	0.00033
0.52501	-0.0243	0.60048	-0.30018	3.52E-11	-0.0529343	0.2536	0.154495	0.00081



0.61545	0.008918	0.84758	0.189525	3.75E-05	0.18870531	4.06E-05	-0.02704	0.55996
0.71168	0.116486	0.01176	-0.15465	0.0008	-0.0244987	0.59744	0.171739	0.00019
0.3004	0.01329	0.77455	-0.24409	9.21E-08	-0.0840222	0.06967	0.120673	0.00905
0.2452	0.024811	0.59278	-0.14868	0.00127	-0.0815954	0.07815	0.017508	0.7059
3.34E-08	-0.132	0.00427	-0.16492	0.00035	0.03872424	0.40377	0.184572	6.01E-05
0.14827	0.072683	0.11675	-0.18035	8.89E-05	0.02493233	0.59097	0.215524	2.60E-06
0.31879	0.090722	0.05008	-0.20132	1.17E-05	-0.075138	0.10487	0.157267	0.00065
0.47501	0.032622	0.4819	-0.23628	2.40E-07	-0.1119943	0.01546	0.065663	0.15657
0.97832	0.134455	0.0036	-0.08516	0.06595	0.03464575	0.45511	0.149457	0.0012
0.99559	0.033141	0.47494	-0.19348	2.56E-05	-0.0265917	0.5665	0.133361	0.00389
0.9929	0.029261	0.52819	-0.16571	0.00032	-0.0602438	0.19375	-0.01031	0.82409
0.14558	0.105691	0.02236	0.261174	1.01E-08	0.29870544	4.43E-11	0.009668	0.83494
0.60114	-0.08514	0.06602	-0.25705	1.75E-08	-0.0253006	0.5855	0.186262	5.12E-05
0.86692	0.07354	0.11249	-0.02326	0.61615	0.04692015	0.31164	0.165475	0.00033
0.26109	0.073505	0.11266	-0.25439	2.48E-08	-0.2527138	3.08E-08	-0.04481	0.33391
0.32709	0.087996	0.05741	-0.06291	0.17471	-0.1336583	0.00381	-0.003	0.94847
0.02876	0.139658	0.00249	-0.05239	0.25855	0.02957262	0.5238	0.136218	0.00318
0.20207	-0.18857	4.11E-05	-0.24368	9.69E-08	0.0796625	0.0855	0.191392	3.13E-05
0.95486	-0.17602	0.00013	-0.30062	3.29E-11	-0.0298247	0.52027	0.050379	0.27727
0.2713	-0.01602	0.72994	-0.12282	0.00788	-0.0551602	0.23415	-0.00645	0.88944
0.77781	0.010854	0.81503	-0.24653	6.78E-08	-0.0677696	0.14367	0.157735	0.00062
0.08037	0.133302	0.0039	-0.01907	0.68101	0.05806116	0.21042	0.164004	0.00037
0.2213	0.004112	0.92939	-0.1065	0.02134	-0.038793	0.40293	0.080114	0.08373
0.88581	0.049422	0.28651	-0.20105	1.20E-05	-0.1310737	0.00455	0.029369	0.52667
0.42516	0.079289	0.08698	-0.14473	0.00171	0.17989491	9.26E-05	0.380668	1.50E-17
0.66008	0.09686	0.0364	-0.09299	0.04459	-0.0833955	0.07178	-0.02105	0.65001
0.20295	-0.10468	0.02368	-0.27772	1.02E-09	-0.1866257	4.95E-05	0.004095	0.92967
0.69916	0.046483	0.31617	-0.22968	5.24E-07	-0.0318168	0.49278	0.245987	7.26E-08
0.01715	-0.27112	2.60E-09	0.11303	0.01453	0.0203152	0.66147	-0.14559	0.00161
0.41468	0.210317	4.56E-06	-0.0546	0.23897	-0.084973	0.06655	0.149807	0.00117
0.05346	0.136717	0.00307	0.580378	2.13E-43	0.31671737	2.43E-12	0.078204	0.0914
0.08587	-0.03245	0.48419	-0.15645	0.00069	0.05063561	0.27483	0.293675	9.63E-11
0.47306	0.042156	0.36337	-0.15901	0.00056	-0.0351099	0.44909	0.13619	0.00319
5.59E-05	0.110082	0.01732	-0.05807	0.21036	0.01967122	0.67157	0.149429	0.0012
0.3009	0.103576	0.0252	-0.00277	0.95248	0.20187697	1.10E-05	0.262416	8.57E-09
0.45217	0.060282	0.19347	-0.38736	3.62E-18	-0.1931078	2.65E-05	0.070405	0.12869
0.90912	0.095889	0.03832	-0.20952	4.96E-06	0.00963667	0.83547	0.267639	4.21E-09
0.69054	0.096186	0.03772	-0.15571	0.00073	0.08349447	0.07144	0.318626	1.77E-12
0.40135	0.041373	0.37236	-0.08482	0.06704	0.0656379	0.15672	0.166734	0.0003
0.56562	0.013204	0.77597	-0.32643	4.68E-13	-0.0683593	0.14021	0.175083	0.00014
0.60473	0.17207	0.00019	-0.07578	0.10194	0.03628343	0.43407	0.072534	0.11751
0.71472	0.094723	0.04075	0.029472	0.52521	0.17672997	0.00012	0.260281	1.14E-08
0.93953	0.00669	0.88536	-0.18492	5.82E-05	0.02805596	0.54532	0.255041	2.28E-08
0.00496	-0.12459	0.00703	-0.19302	2.67E-05	-0.0763749	0.09926	0.071481	0.12294
0.31336	0.002118	0.96359	-0.2484	5.36E-08	-0.0745218	0.10776	0.156614	0.00068

0.66028	-0.00089	0.98463	-0.26712	4.52E-09	-0.1176107	0.01097	0.112985	0.01457
0.31845	0.033466	0.47062	-0.13622	0.00318	0.02958176	0.52367	0.19981	1.36E-05
0.0119	0.184601	5.99E-05	-0.09435	0.04156	-0.1119025	0.01555	0.003214	0.94477
0.46628	-0.02889	0.53341	-0.27824	9.47E-10	-0.0343417	0.45908	0.243458	9.96E-08
0.05081	0.079963	0.08432	0.601575	2.66E-47	0.36003417	9.71E-16	0.018939	0.68311
0.58282	0.0533	0.25033	-0.20404	8.82E-06	-0.0525504	0.25706	0.216331	2.38E-06
0.65562	0.114803	0.01305	-0.24536	7.86E-08	-0.0605287	0.19164	0.218155	1.94E-06
0.12452	0.183334	6.75E-05	-0.05018	0.27914	0.03526608	0.44707	0.136479	0.00312
0.51881	0.167032	0.00029	-0.08526	0.06565	-0.0525965	0.25664	0.060122	0.19465
0.74365	-0.00733	0.87452	-0.29942	3.96E-11	-0.0448558	0.33343	0.202219	1.06E-05
0.03699	0.087455	0.05896	-0.04149	0.37101	0.11209033	0.01537	0.145685	0.0016
3.78E-06	0.095721	0.03866	-0.01832	0.69294	0.04174782	0.36804	0.1386	0.00269
0.44304	0.075496	0.10322	-0.0726	0.11718	0.13704972	0.003	0.346878	1.19E-14
0.97974	0.02105	0.65002	-0.15592	0.00072	-0.0928309	0.04496	0.019042	0.68149
0.42828	0.062032	0.18082	-0.13373	0.00379	-0.0722109	0.11915	0.058463	0.20728
0.28561	-0.05028	0.27819	0.257161	1.73E-08	0.39081542	1.72E-18	0.124013	0.00729
0.94155	-0.05302	0.25282	-0.19958	1.39E-05	0.06917938	0.1355	0.176857	0.00012
0.86164	0.079717	0.08528	-0.08779	0.05798	-0.0377563	0.41563	0.074515	0.10779
0.211	0.014752	0.75052	-0.29197	1.25E-10	-0.0538104	0.24581	0.174428	0.00015
0.74438	0.044835	0.33365	-0.23237	3.82E-07	-0.0382709	0.4093	0.241055	1.34E-07
0.91091	0.045563	0.32586	-0.17923	9.84E-05	0.00924959	0.84199	0.286776	2.72E-10
0.76244	0.089925	0.05214	-0.19304	2.67E-05	0.01178154	0.79955	0.268511	3.73E-09
0.54199	0.093964	0.04239	-0.10711	0.02061	0.08708292	0.06005	0.369968	1.35E-16
0.86907	0.016701	0.71887	-0.21792	2.00E-06	0.00852093	0.85429	0.275288	1.45E-09
0.66166	0.042479	0.3597	-0.21973	1.63E-06	-0.0368979	0.42632	0.241823	1.22E-07
0.65922	0.106211	0.0217	-0.14023	0.00239	0.07219474	0.11923	0.336848	7.46E-14
0.85188	-0.11188	0.01557	-0.33242	1.64E-13	-0.0556486	0.23003	0.191502	3.10E-05
0.48827	0.023622	0.61062	-0.23448	2.97E-07	-0.0735444	0.11247	0.176125	0.00013
0.95799	0.022045	0.63466	-0.16778	0.00027	-0.0003428	0.9941	0.209212	5.13E-06
0.2685	0.017188	0.71103	-0.22564	8.36E-07	-0.0540407	0.2438	0.168489	0.00025
0.49192	0.04026	0.38537	-0.17791	0.00011	0.0059985	0.89713	0.233876	3.19E-07
0.6763	0.042348	0.36119	-0.21959	1.66E-06	-0.0380431	0.4121	0.242883	1.07E-07
0.83166	0.050015	0.28076	-0.20977	4.83E-06	-0.0189629	0.68274	0.264497	6.47E-09
3.38E-05	-0.00089	0.98472	-0.20331	9.50E-06	-0.0491077	0.28959	0.126304	0.00627
0.68123	0.054589	0.23904	-0.14792	0.00135	0.01648772	0.72231	0.193869	2.46E-05
0.75135	-0.03817	0.41053	-0.21363	3.19E-06	0.0057071	0.90211	0.215565	2.59E-06
0.76932	0.087488	0.05887	-0.11755	0.01101	0.04209102	0.36411	0.21444	2.92E-06
0.53631	0.020457	0.65926	-0.09083	0.04981	-0.0156699	0.73556	0.08915	0.0542
0.86881	0.041576	0.37002	-0.12094	0.00889	-0.0002012	0.99654	0.166384	0.0003
0.0001	-0.16392	0.00038	-0.27934	8.09E-10	-0.0565625	0.22245	0.143458	0.00188
0.45687	-0.05986	0.19661	-0.27689	1.15E-09	-0.045843	0.32289	0.155888	0.00072
0.84371	0.055346	0.23257	-0.26563	5.54E-09	-0.1803533	8.88E-05	0.053985	0.24428
0.00035	0.009723	0.83401	-0.13427	0.00365	-0.1180213	0.01069	-0.1154	0.01258
0.27125	-0.03899	0.40054	-0.07017	0.12996	0.11774321	0.01088	0.314369	3.59E-12
0.93643	0.156243	0.0007	-0.04696	0.31126	-0.1408837	0.00228	-0.07017	0.12998

5.25E-07	0.169253	0.00024	0.016245	0.72623	0.06997391	0.13106	0.159037	0.00056
0.12845	-0.00622	0.89333	0.297601	5.26E-11	0.0199799	0.66672	-0.23666	2.29E-07
0.85754	0.051185	0.26965	-0.20527	7.76E-06	-0.0225083	0.62756	0.248788	5.10E-08
0.20972	0.213879	3.11E-06	0.463405	3.08E-26	0.19999797	1.33E-05	0.032131	0.48851
0.00101	-0.07578	0.10194	0.059614	0.19846	0.24367048	9.70E-08	0.05958	0.19871
0.76704	0.048143	0.29918	-0.18255	7.25E-05	-0.0367749	0.42786	0.174084	0.00016
0.20283	0.032566	0.48265	-0.07943	0.08642	0.01799464	0.69812	0.126931	0.00602
0.70883	0.032351	0.48554	-0.25468	2.39E-08	-0.0697992	0.13202	0.093869	0.04261
0.0527	0.079979	0.08426	-0.06838	0.14008	-0.0091454	0.84374	0.084591	0.06779
0.03653	-0.0038	0.93475	-0.21525	2.68E-06	-0.0128545	0.78174	0.210641	4.40E-06
0.00022	-0.07902	0.08808	-0.18683	4.86E-05	0.01350705	0.77096	0.179237	9.84E-05
0.06275	-0.0201	0.66488	-0.24996	4.39E-08	-0.0133453	0.77363	0.147266	0.00142
0.90876	0.055695	0.22964	-0.23925	1.67E-07	-0.075318	0.10404	0.116711	0.0116
0.00056	0.151113	0.00105	-0.0258	0.57816	0.04599121	0.32132	0.157345	0.00064
0.48999	-0.01544	0.73929	-0.2036	9.22E-06	-0.0749567	0.10571	0.064216	0.16592
0.5587	-0.12943	0.00509	0.241872	1.21E-07	0.32969819	2.65E-13	0.075023	0.1054
0.2922	-0.03396	0.46407	-0.03402	0.46326	0.0297291	0.52161	0.162881	0.00041
0.64169	0.273708	1.81E-09	0.156283	0.0007	0.335303	9.84E-14	0.518775	1.56E-33
0.49502	0.080785	0.08117	-0.04548	0.32672	0.27904794	8.44E-10	0.439757	1.66E-23
0.93107	0.045614	0.32531	-0.16448	0.00036	-0.0392932	0.39689	0.16943	0.00023
0.74484	0.064562	0.16365	-0.22299	1.13E-06	-0.0319442	0.49105	0.195834	2.03E-05
0.11737	-0.23073	4.63E-07	-0.35127	5.22E-15	-0.1541729	0.00083	0.012144	0.79351
0.30178	-0.21548	2.61E-06	-0.19913	1.46E-05	-0.003902	0.93298	0.085693	0.06427
0.53249	0.156835	0.00067	-0.00873	0.85083	0.07604915	0.10071	0.165215	0.00034
0.48219	0.032392	0.48499	-0.1318	0.00433	0.01292212	0.78062	0.166559	0.0003
1.30E-10	0.011421	0.80555	-0.17801	0.00011	-0.0860845	0.06306	0.090841	0.04978
0.27059	0.018338	0.69265	-0.19801	1.63E-05	-0.0097961	0.83278	0.197385	1.74E-05
0.37938	0.057749	0.21289	-0.17318	0.00017	0.1583346	0.00059	0.265936	5.32E-09
0.58079	0.37151	9.90E-17	0.515133	5.20E-33	0.22639431	7.67E-07	0.013797	0.76618
0.30039	0.025426	0.58364	-0.03625	0.43447	0.07462888	0.10725	0.179215	9.86E-05
0.19107	0.022384	0.62946	-0.10962	0.01781	0.00894483	0.84713	0.125418	0.00665
0.53214	0.013526	0.77065	-0.24357	9.83E-08	-0.0302036	0.51498	0.206423	6.88E-06
0.9299	-0.02605	0.57441	-0.23131	4.33E-07	-0.1054784	0.02263	0.023425	0.6136
0.38613	-0.01224	0.7919	-0.11921	0.00992	0.31314033	4.40E-12	0.459727	8.47E-26
0.00263	-0.04798	0.30083	-0.0951	0.03995	0.35799719	1.44E-15	0.529466	4.21E-35
0.65227	0.036939	0.42581	-0.22913	5.59E-07	0.00960855	0.83594	0.278871	8.66E-10
0.16573	0.199305	1.43E-05	0.000611	0.9895	0.00609693	0.89546	0.040708	0.38009
0.06114	0.013687	0.768	-0.16124	0.00047	0.10684321	0.02093	0.257514	1.65E-08
0.21531	-0.10564	0.02242	-0.36991	1.37E-16	-0.3188037	1.72E-12	-0.11896	0.01008
0.60524	0.0099	0.83103	-0.21205	3.79E-06	-0.0555985	0.23045	0.171481	0.0002
0.18643	-0.05472	0.2379	-0.16576	0.00032	-0.0670588	0.14793	0.077028	0.09639
0.25873	0.164996	0.00034	-0.05913	0.20217	0.11116403	0.01625	0.298516	4.57E-11
0.96164	-0.00302	0.94803	-0.22999	5.05E-07	0.0084804	0.85497	0.260811	1.06E-08
0.3046	-0.3165	2.52E-12	-0.3676	2.18E-16	0.04380431	0.3449	0.11129	0.01613
0.59239	0.012783	0.78292	-0.19923	1.44E-05	-0.024547	0.59672	0.189096	3.91E-05

0.45225	0.062508	0.17749	-0.13349	0.00385	0.00507662	0.91287	0.161649	0.00045
0.1183	-0.02962	0.52313	0.418165	3.43E-21	0.41520989	6.90E-21	0.092388	0.046
0.68157	-0.02277	0.62362	-0.23495	2.81E-07	-0.0952414	0.03965	0.133038	0.00398
0.9735	0.051076	0.27067	-0.0232	0.61706	0.08437588	0.06849	0.154673	0.0008
0.18384	0.033052	0.47613	-0.12316	0.00771	0.07874048	0.08919	0.233233	3.45E-07
0.3036	0.020677	0.65582	-0.11335	0.01425	0.11018346	0.01722	0.225782	8.23E-07
0.90842	-0.01335	0.77354	-0.2915	1.34E-10	-0.1497859	0.00117	0.040214	0.38592
0.05996	-0.18096	8.41E-05	-0.22308	1.12E-06	0.01808811	0.69663	0.186186	5.16E-05
0.56911	-0.02515	0.58772	-0.11907	0.01001	-0.0381623	0.41063	0.069534	0.1335
0.72753	0.078032	0.09212	-0.16431	0.00036	-0.0273692	0.55521	0.141316	0.00221
0.44864	-0.03624	0.43462	-0.25262	3.12E-08	-0.0344271	0.45797	0.180595	8.69E-05
0.09677	-0.15922	0.00055	0.067681	0.14419	0.13966026	0.00249	-0.05769	0.21337
0.63823	-0.01868	0.68727	-0.35852	1.30E-15	-0.1905169	3.41E-05	-0.03653	0.431
0.70696	0.087644	0.05842	-0.09381	0.04274	0.1229572	0.00781	0.416947	4.58E-21
0.16028	-0.08741	0.0591	-0.3184	1.83E-12	-0.0862223	0.06264	0.097412	0.03534
0.41803	0.13542	0.00337	-0.06846	0.13962	0.00874834	0.85045	0.09807	0.03411
0.5109	-0.02605	0.57445	-0.21294	3.44E-06	0.02994681	0.51856	0.250649	4.02E-08
0.61319	-0.02607	0.5742	-0.25094	3.88E-08	-0.0736868	0.11177	0.122611	0.00799
0.01099	0.273968	1.74E-09	0.030313	0.51346	0.10264306	0.02655	0.303651	2.04E-11
0.50904	0.073492	0.11272	-0.08656	0.06162	-0.0345919	0.45581	0.108145	0.01941
0.61573	0.356717	1.85E-15	0.389772	2.16E-18	0.20889388	5.30E-06	-0.03073	0.50765
0.57626	0.026379	0.56961	-0.07543	0.10351	0.12955181	0.00505	0.203314	9.50E-06
0.8596	0.124826	0.00692	0.544432	2.15E-37	0.38700989	3.90E-18	0.119723	0.00961
0.20016	0.013254	0.77513	-0.27053	2.82E-09	-0.4814803	1.79E-28	-0.35531	2.42E-15
0.17424	-0.02591	0.57648	-0.24694	6.45E-08	0.07420056	0.10929	0.279056	8.43E-10
0.64385	0.010264	0.82492	-0.2633	7.60E-09	-0.1390051	0.00261	0.046302	0.31806
0.90812	0.052944	0.25351	-0.09331	0.04385	0.00546143	0.9063	0.139024	0.0026
0.7216	-0.17141	0.0002	-0.29988	3.69E-11	0.03178981	0.49314	0.24262	1.11E-07
0.29344	-0.07272	0.11656	-0.11765	0.01095	0.19165188	3.06E-05	0.239032	1.72E-07
0.21273	0.087091	0.06003	-0.07617	0.10015	-0.0226095	0.62601	0.0685	0.13939
0.01724	0.202115	1.07E-05	-0.0928	0.04504	-0.0284504	0.53968	0.161477	0.00046
0.98079	0.137038	0.003	-0.07168	0.12189	0.22515982	8.83E-07	0.486392	4.18E-29
0.68922	-0.23297	3.56E-07	-0.2652	5.87E-09	0.09233017	0.04613	0.320507	1.29E-12
0.80524	-0.11204	0.01542	-0.23788	1.97E-07	-0.0529887	0.25311	0.084744	0.06729
0.79651	-0.02397	0.60541	-0.21296	3.43E-06	0.02437249	0.59933	0.266137	5.17E-09
0.03714	0.186959	4.80E-05	-0.09119	0.04891	0.01700929	0.71391	0.244702	8.53E-08
0.8003	0.127287	0.00588	-0.07248	0.11779	0.20221673	1.06E-05	0.428667	2.69E-22
0.05221	0.081702	0.07776	-0.07919	0.08736	0.09488323	0.04041	0.182133	7.54E-05
0.76233	0.211163	4.16E-06	0.020106	0.66474	0.16188721	0.00044	0.289154	1.91E-10
0.20635	0.124577	0.00703	-0.08552	0.06481	-0.0036771	0.93683	0.123566	0.00751
0.15914	-0.0147	0.7514	-0.2414	1.28E-07	-0.0877036	0.05824	0.058506	0.20694
0.1493	0.192577	2.79E-05	-0.05125	0.26908	0.30419294	1.87E-11	0.574737	2.09E-42
0.48188	0.181553	7.96E-05	-0.00925	0.842	0.29841441	4.64E-11	0.53724	2.81E-36
0.1794	0.391818	1.38E-18	0.086924	0.06052	0.08841244	0.05623	0.282142	5.39E-10
0.35872	0.091409	0.04836	-0.09011	0.05165	0.19229829	2.87E-05	0.449587	1.29E-24

0.274	0.091423	0.04832	-0.09382	0.04271	0.02848042	0.53925	0.165989	0.00032
0.55222	0.047445	0.30625	-0.1927	2.76E-05	-0.0446467	0.33569	0.107202	0.0205
0.43618	-0.05583	0.2285	-0.11313	0.01444	0.02066222	0.65606	0.167396	0.00028
0.09978	-0.04648	0.31618	-0.31051	6.76E-12	-0.0847356	0.06732	0.138276	0.00275
0.30349	0.059664	0.19808	-0.05292	0.25371	0.20194986	1.09E-05	0.434684	6.02E-23
0.13221	0.062958	0.17439	-0.1586	0.00058	-0.0935568	0.0433	0.007769	0.86702
0.93681	-0.41867	3.04E-21	-0.2147	2.84E-06	-0.2460723	7.19E-08	-0.39248	1.20E-18
0.05188	-0.1782	0.00011	-0.1775	0.00012	-0.1505636	0.0011	-0.26096	1.04E-08
0.05852	-0.37337	6.78E-17	-0.10087	0.02929	-0.1316296	0.00438	-0.37379	6.22E-17
0.05307	0.523563	3.15E-34	0.355381	2.39E-15	0.2300522	5.02E-07	0.486102	4.55E-29
0.41182	0.359539	1.07E-15	0.192743	2.75E-05	0.27145141	2.48E-09	0.300349	3.43E-11
0.0006	0.425566	5.76E-22	0.325053	5.93E-13	0.45053619	1.00E-24	0.492367	6.91E-30
0.0408	0.343172	2.37E-14	0.274295	1.66E-09	0.33240416	1.65E-13	0.392877	1.10E-18
0.00104	0.202685	1.01E-05	0.059295	0.20087	0.19808334	1.62E-05	0.374285	5.62E-17
0.59122	0.49813	1.18E-30	0.419658	2.40E-21	0.41665315	4.91E-21	0.573817	3.02E-42
0.0014	0.384644	6.47E-18	0.228614	5.93E-07	0.33085845	2.16E-13	0.543727	2.77E-37
2.91E-06	-0.25656	1.87E-08	-0.1067	0.0211	-0.0900925	0.0517	-0.26704	4.57E-09
0.0132	0.276684	1.18E-09	0.272387	2.18E-09	0.30914075	8.45E-12	0.38648	4.37E-18
0.0011	0.311695	5.57E-12	0.164205	0.00037	0.30264216	2.39E-11	0.534802	6.61E-36
0.06134	0.424119	8.19E-22	0.128864	0.00529	0.28308854	4.69E-10	0.56741	3.80E-41
0.49316	0.462219	4.27E-26	0.294089	9.04E-11	0.3516581	4.86E-15	0.501421	4.22E-31
0.02404	-0.33536	9.73E-14	-0.07683	0.09726	0.04307722	0.35297	-0.10921	0.01824
0.34177	0.403824	9.59E-20	0.260379	1.13E-08	0.12383018	0.00738	0.209247	5.11E-06
0.19346	0.372132	8.72E-17	0.164831	0.00035	0.1413194	0.00221	0.25214	3.32E-08
0.86011	0.544862	1.84E-37	0.468819	6.80E-27	0.31611363	2.69E-12	0.364802	3.80E-16
0.53539	0.400125	2.21E-19	0.235815	2.53E-07	0.27776469	1.01E-09	0.517688	2.24E-33
1.02E-06	0.450103	1.13E-24	0.267103	4.53E-09	0.1885426	4.13E-05	0.314726	3.39E-12
0.00193	0.385135	5.83E-18	0.300204	3.51E-11	0.16375831	0.00038	0.364357	4.15E-16
0.56153	0.359833	1.01E-15	0.014664	0.75196	0.27566865	1.37E-09	0.287708	2.37E-10
3.23E-09	0.374717	5.14E-17	0.307032	1.19E-11	0.33945364	4.66E-14	0.428811	2.60E-22
2.35E-07	0.302036	2.63E-11	0.177977	0.00011	0.09243353	0.04589	0.225344	8.65E-07
0.32811	0.413528	1.02E-20	0.138409	0.00272	0.1701334	0.00022	0.334306	1.17E-13
5.25E-08	0.486794	3.71E-29	0.233137	3.49E-07	0.02501692	0.58971	0.163413	0.00039
0.39876	0.203424	9.39E-06	0.169734	0.00023	0.22109238	1.40E-06	0.31413	3.74E-12
0.02563	0.445466	3.81E-24	0.425622	5.68E-22	0.46016285	7.52E-26	0.431168	1.45E-22
0.02393	0.493751	4.53E-30	0.383733	7.85E-18	0.31514683	3.16E-12	0.535819	4.63E-36
0.00205	0.471293	3.38E-27	0.227274	6.93E-07	0.19668616	1.86E-05	0.489605	1.59E-29
0.18402	0.512399	1.27E-32	0.223132	1.11E-06	0.16719516	0.00028	0.231459	4.25E-07
0.53201	0.145034	0.00168	0.038084	0.41159	0.0181012	0.69642	0.140292	0.00238
0.33163	0.451236	8.34E-25	0.183197	6.83E-05	0.0581744	0.20953	0.226482	7.59E-07
0.49841	0.375213	4.64E-17	0.261636	9.52E-09	0.45008592	1.13E-24	0.698052	1.87E-69
0.62271	0.411941	1.48E-20	0.26628	5.07E-09	0.25824586	1.50E-08	0.427502	3.59E-22
0.00295	0.417624	3.90E-21	0.361445	7.37E-16	0.34024162	4.04E-14	0.467835	8.97E-27
0.76943	0.337005	7.25E-14	0.05564	0.2301	0.21829051	1.91E-06	0.511483	1.71E-32
0.03673	0.226088	7.94E-07	0.136219	0.00318	0.19627482	1.94E-05	0.299694	3.80E-11

0.9246	0.334909	1.06E-13	0.178629	0.0001	0.50131353	4.36E-31	0.381293	1.31E-17
0.04062	0.408502	3.29E-20	0.236454	2.35E-07	0.3520555	4.51E-15	0.544986	1.76E-37
0.79867	0.388328	2.94E-18	0.300635	3.28E-11	0.19671701	1.86E-05	0.35277	3.93E-15
0.06326	0.419754	2.34E-21	0.139132	0.00258	0.14934978	0.00121	0.290603	1.54E-10
0.33945	0.214491	2.91E-06	0.19144	3.12E-05	0.15773018	0.00062	0.272852	2.04E-09
0.00065	0.364121	4.35E-16	0.122822	0.00788	0.099758	0.03113	0.259372	1.29E-08
4.35E-09	0.225696	8.31E-07	0.056822	0.22034	0.12586485	0.00646	0.26755	4.26E-09
0.0533	0.440221	1.48E-23	0.206665	6.71E-06	0.19380843	2.48E-05	0.486303	4.29E-29
0.68946	0.395321	6.42E-19	0.347305	1.10E-14	0.28798442	2.27E-10	0.289765	1.74E-10
0.00191	0.219319	1.71E-06	0.138735	0.00266	0.2172648	2.14E-06	0.204984	7.99E-06
0.05951	0.252586	3.13E-08	0.222541	1.19E-06	0.1373321	0.00294	0.183024	6.94E-05
0.9846	0.381429	1.28E-17	0.316964	2.33E-12	0.37831912	2.44E-17	0.611046	3.84E-49
0.56109	0.497486	1.44E-30	0.162289	0.00043	0.27854075	9.08E-10	0.539999	1.06E-36
4.41E-07	0.286373	2.89E-10	0.073162	0.11435	0.07957379	0.08585	0.24368	9.69E-08
0.03521	0.480892	2.12E-28	0.432738	9.80E-23	0.3106224	6.64E-12	0.540744	8.09E-37
0.03224	-0.27991	7.45E-10	-0.17225	0.00018	-0.1249687	0.00685	-0.28302	4.74E-10
9.25E-13	-0.24366	9.71E-08	-0.0958	0.0385	-0.0896888	0.05276	-0.27758	1.04E-09
0.89011	0.353791	3.24E-15	0.111999	0.01546	0.14292495	0.00196	0.334841	1.07E-13
0.00059	0.348554	8.72E-15	0.159579	0.00054	0.2229681	1.13E-06	0.494764	3.32E-30
0.06978	0.315077	3.19E-12	0.219284	1.71E-06	0.18835001	4.20E-05	0.288723	2.04E-10
0.00184	0.389237	2.42E-18	0.253169	2.91E-08	0.15974119	0.00053	0.323135	8.23E-13
0.22494	0.322757	8.78E-13	0.184239	6.20E-05	0.25043508	4.13E-08	0.491141	1.00E-29
0.05666	0.469482	5.64E-27	0.206501	6.82E-06	0.26023236	1.15E-08	0.550298	2.52E-38
6.05E-05	0.471775	2.95E-27	0.439638	1.71E-23	0.4011007	1.77E-19	0.58816	8.49E-45
0.00276	-0.30411	1.89E-11	0.04386	0.34428	0.1315364	0.00441	-0.08039	0.08268
0.03353	0.361039	7.98E-16	0.106397	0.02147	0.04583719	0.32295	0.111879	0.01557
0.05357	0.41313	1.12E-20	0.340187	4.08E-14	0.42578388	5.46E-22	0.628982	8.37E-53
0.64855	-0.34877	8.36E-15	-0.04246	0.35997	0.15803085	0.00061	-0.08312	0.07274
0.83974	0.419124	2.73E-21	2.54E-05	0.99956	0.021132	0.64875	0.218365	1.90E-06
0.37288	0.434374	6.51E-23	0.273196	1.94E-09	0.4828614	1.19E-28	0.706182	9.82E-72
0.76468	0.44801	1.96E-24	0.29116	1.41E-10	0.31822332	1.89E-12	0.542183	4.83E-37
7.14E-05	0.515834	4.13E-33	0.358574	1.29E-15	0.37475884	5.10E-17	0.561841	3.28E-40
2.42E-06	0.457158	1.70E-25	0.420468	1.98E-21	0.48795436	2.62E-29	0.654493	1.91E-58
0.29052	0.36002	9.74E-16	0.126818	0.00606	0.02397561	0.60529	0.100791	0.02942
0.37338	0.387156	3.78E-18	0.353671	3.31E-15	0.53098581	2.50E-35	0.73747	2.75E-81
3.88E-08	-0.18247	7.31E-05	-0.05531	0.23288	-0.0070757	0.87879	-0.21244	3.63E-06
1.03E-05	-0.2772	1.10E-09	-0.20829	5.65E-06	-0.2669836	4.61E-09	-0.40958	2.57E-20
0.652	0.410692	1.98E-20	0.234714	2.89E-07	0.39978491	2.38E-19	0.628127	1.27E-52
0.02759	0.341689	3.10E-14	0.14962	0.00118	0.3352327	9.96E-14	0.318901	1.69E-12
0.06097	0.27169	2.40E-09	0.048588	0.29473	0.24416925	9.12E-08	0.508607	4.32E-32
0.00105	0.334973	1.04E-13	0.130997	0.00458	0.27976819	7.61E-10	0.550573	2.28E-38
0.01301	0.430275	1.81E-22	0.255011	2.29E-08	0.24375119	9.60E-08	0.542083	5.01E-37
0.09087	0.49729	1.53E-30	0.275912	1.32E-09	0.30998667	7.37E-12	0.550745	2.14E-38
0.01492	-0.27806	9.73E-10	-0.03578	0.44053	-0.0947265	0.04074	-0.24886	5.05E-08
0.39464	-0.26989	3.08E-09	-0.09723	0.03568	-0.1409614	0.00226	-0.29038	1.59E-10

0.05397	0.27789	9.97E-10	0.120038	0.00942	0.09637378	0.03735	0.236521	2.33E-07
0.08026	-0.1263	0.00628	-0.00633	0.89151	0.08097165	0.08047	-0.21246	3.62E-06
0.22461	0.218936	1.78E-06	0.190352	3.47E-05	0.2802749	7.07E-10	0.360712	8.51E-16
0.93431	0.378912	2.16E-17	0.175538	0.00014	0.33818796	5.86E-14	0.610432	5.08E-49
0.5557	0.317076	2.29E-12	0.156718	0.00068	0.31422116	3.68E-12	0.486842	3.65E-29
0.67183	0.386312	4.53E-18	0.338773	5.27E-14	0.29921204	4.10E-11	0.348385	9.00E-15
0.04602	0.160717	0.00049	0.005666	0.90281	0.00599614	0.89717	0.148688	0.00127
0.4024	0.577633	6.51E-43	0.45584	2.43E-25	0.37097148	1.10E-16	0.478346	4.46E-28
0.73711	-0.26619	5.13E-09	-0.10581	0.02221	-0.0619891	0.18113	-0.25235	3.23E-08
0.02917	0.304441	1.80E-11	0.150447	0.00111	0.06389785	0.16803	0.192864	2.72E-05
0.71909	0.068489	0.13945	0.060055	0.19515	0.10004532	0.03065	0.206016	7.18E-06
0.04346	0.246106	7.16E-08	0.112072	0.01539	0.1540999	0.00083	0.269998	3.04E-09
0.6371	0.330803	2.18E-13	0.165414	0.00033	0.33337592	1.39E-13	0.595478	3.78E-46
7.39E-05	0.460691	6.51E-26	0.415885	5.88E-21	0.27764341	1.03E-09	0.32594	5.09E-13
0.68316	0.565919	6.80E-41	0.388239	3.00E-18	0.40492724	7.47E-20	0.493247	5.28E-30
0.14771	0.370106	1.32E-16	0.150279	0.00112	0.18179811	7.78E-05	0.42908	2.43E-22
7.15E-05	0.449123	1.46E-24	0.25412	2.57E-08	0.26804174	3.98E-09	0.500825	5.08E-31
9.96E-09	0.232898	3.59E-07	0.107194	0.02051	0.12856723	0.00539	0.288915	1.98E-10
0.36615	0.477944	5.01E-28	0.282939	4.80E-10	0.31931927	1.57E-12	0.576233	1.15E-42
0.43421	0.394483	7.72E-19	0.193469	2.56E-05	0.31904823	1.65E-12	0.438668	2.20E-23
0.01473	0.409051	2.90E-20	0.275571	1.39E-09	0.18296625	6.98E-05	0.356136	2.07E-15
0.3815	0.315257	3.10E-12	0.118688	0.01026	0.23821633	1.90E-07	0.47276	2.23E-27
0.0046	0.320781	1.23E-12	0.056022	0.22691	0.07768354	0.09358	0.192795	2.73E-05
0.9616	0.509021	3.78E-32	0.239428	1.64E-07	0.24739966	6.08E-08	0.46499	1.99E-26
0.47169	0.478706	4.02E-28	0.264633	6.35E-09	0.21437171	2.94E-06	0.317359	2.18E-12
0.00018	0.318109	1.93E-12	0.07556	0.10293	0.02687126	0.56243	0.276242	1.26E-09
0.06675	0.471913	2.83E-27	0.24512	8.10E-08	0.30364366	2.04E-11	0.566873	4.69E-41
0.04179	0.353676	3.31E-15	-0.03269	0.48099	-0.1701097	0.00022	0.011757	0.79996
0.19223	0.429489	2.20E-22	0.26464	6.34E-09	0.35060655	5.93E-15	0.338419	5.62E-14
0.00225	0.36444	4.09E-16	0.191596	3.07E-05	0.16037028	0.0005	0.291393	1.36E-10
0.08771	0.561053	4.44E-40	0.295423	7.37E-11	0.12932914	0.00512	0.333008	1.48E-13
0.00257	0.510435	2.40E-32	0.282986	4.76E-10	0.29300106	1.07E-10	0.56484	1.03E-40
0.73001	0.546953	8.60E-38	0.291416	1.36E-10	0.29937483	3.99E-11	0.547363	7.41E-38
0.00808	0.410098	2.28E-20	0.260331	1.13E-08	0.2185809	1.85E-06	0.486031	4.65E-29
1.25E-06	0.39768	3.81E-19	0.236691	2.28E-07	0.3555553	2.31E-15	0.533757	9.53E-36
3.84E-05	0.305347	1.56E-11	0.338423	5.62E-14	0.12301737	0.00778	0.195846	2.02E-05
0.02812	0.485924	4.80E-29	0.265447	5.68E-09	0.24223053	1.16E-07	0.496704	1.83E-30
0.10981	0.459331	9.43E-26	0.393158	1.03E-18	0.23464341	2.91E-07	0.371558	9.80E-17
0.2005	0.351474	5.03E-15	0.131905	0.0043	0.3108489	6.40E-12	0.357697	1.53E-15
3.70E-10	0.256344	1.92E-08	-0.01284	0.78198	0.14144955	0.00218	0.297011	5.77E-11
0.06061	0.356849	1.80E-15	0.407753	3.91E-20	0.27457588	1.60E-09	0.292598	1.13E-10
1.03E-06	0.249184	4.85E-08	0.195332	2.13E-05	0.22727093	6.93E-07	0.374348	5.55E-17
0.00168	-0.15893	0.00057	-0.01544	0.73937	0.00204862	0.96478	-0.21649	2.34E-06
0.01375	0.397906	3.62E-19	0.257704	1.61E-08	0.12354821	0.00752	0.197448	1.72E-05
0.01476	0.474931	1.20E-27	0.221034	1.41E-06	0.31643223	2.55E-12	0.590348	3.38E-45

0.00055	0.291863	1.27E-10	0.158371	0.00059	0.26418592	6.75E-09	0.533535	1.03E-35
0.01672	0.128868	0.00529	-0.03941	0.39553	0.06846809	0.13957	0.196979	1.81E-05
0.06441	-0.30064	3.28E-11	-0.11843	0.01043	-0.073232	0.11401	-0.2237	1.04E-06
0.06293	0.313312	4.28E-12	0.309404	8.10E-12	0.03911452	0.39904	0.183127	6.88E-05
0.00028	0.351088	5.41E-15	0.149434	0.0012	0.00984806	0.83191	0.18425	6.19E-05
4.49E-09	0.466488	1.31E-26	0.207317	6.26E-06	0.12093341	0.0089	0.328679	3.16E-13
0.06113	0.422	1.37E-21	0.228904	5.73E-07	0.08852924	0.05591	0.35334	3.53E-15
0.11708	0.259308	1.30E-08	0.144692	0.00172	0.09456119	0.04109	0.205571	7.52E-06
2.07E-08	0.465198	1.87E-26	0.159702	0.00053	0.24920348	4.84E-08	0.353869	3.19E-15
0.00042	0.452452	6.04E-25	0.193054	2.67E-05	0.03304313	0.47625	0.219784	1.62E-06
0.92428	0.342899	2.49E-14	0.134986	0.00347	0.17279162	0.00018	0.482323	1.39E-28
7.96E-08	0.289733	1.75E-10	0.137832	0.00284	0.14349989	0.00188	0.311401	5.85E-12
0.78769	0.502949	2.61E-31	0.311231	6.01E-12	0.47617715	8.36E-28	0.673275	5.83E-63
0.40188	0.366019	2.99E-16	0.183837	6.44E-05	0.31769038	2.07E-12	0.576803	9.11E-43
0.58291	0.316216	2.64E-12	0.170993	0.00021	0.12174881	0.00844	0.198262	1.59E-05
0.11749	0.317312	2.20E-12	0.13469	0.00354	0.41846861	3.19E-21	0.666334	2.97E-61
0.13654	-0.34264	2.61E-14	-0.31467	3.41E-12	-0.2500014	4.37E-08	-0.35313	3.67E-15
0.16259	0.314307	3.63E-12	0.199808	1.36E-05	0.42984933	2.01E-22	0.706585	7.54E-72
0.05239	-0.2989	4.30E-11	-0.18184	7.75E-05	-0.1966638	1.87E-05	-0.3172	2.24E-12
2.04E-05	0.385005	5.99E-18	0.296206	6.53E-11	0.1121793	0.01529	0.181804	7.77E-05
0.15453	0.511544	1.67E-32	0.354404	2.88E-15	0.47844753	4.33E-28	0.560662	5.16E-40
3.79E-06	0.429101	2.42E-22	0.276616	1.20E-09	0.14800017	0.00134	0.270389	2.88E-09
0.02584	0.342599	2.63E-14	0.213395	3.27E-06	0.18103378	8.35E-05	0.244471	8.78E-08
0.00031	0.285437	3.32E-10	0.060258	0.19365	-0.136495	0.00312	0.0654	0.15824
0.0652	0.414279	8.59E-21	0.333009	1.48E-13	0.3272642	4.05E-13	0.480386	2.46E-28
0.10928	0.419211	2.67E-21	0.064354	0.16501	0.16643867	0.0003	0.342816	2.53E-14
0.819	0.531811	1.88E-35	0.321477	1.09E-12	0.35131176	5.19E-15	0.619762	6.83E-51
0.00229	0.335998	8.69E-14	0.262249	8.76E-09	0.15099881	0.00106	0.189936	3.61E-05
0.00523	0.373989	5.97E-17	0.320649	1.26E-12	0.13070457	0.00467	0.237706	2.02E-07
4.92E-06	0.185395	5.56E-05	0.027968	0.54658	0.15796429	0.00061	0.270661	2.77E-09
0.13828	0.380375	1.59E-17	0.272691	2.09E-09	0.23372084	3.25E-07	0.318448	1.82E-12
0.05547	0.466999	1.13E-26	0.344154	1.97E-14	0.34924342	7.66E-15	0.580751	1.83E-43
1.40E-06	0.513705	8.29E-33	0.3204	1.31E-12	0.25739292	1.67E-08	0.412986	1.16E-20
0.04196	0.324891	6.10E-13	0.202943	9.87E-06	0.18782711	4.42E-05	0.350187	6.41E-15
0.1698	0.468928	6.60E-27	0.244557	8.69E-08	0.22327499	1.10E-06	0.455551	2.63E-25
0.35922	0.438159	2.50E-23	0.225419	8.58E-07	0.20635518	6.93E-06	0.413464	1.04E-20
0.19603	0.308887	8.80E-12	0.350945	5.56E-15	0.42902946	2.46E-22	0.540851	7.78E-37
0.73799	0.454913	3.12E-25	0.311795	5.48E-12	0.21943104	1.69E-06	0.501687	3.88E-31
0.01175	0.472676	2.28E-27	0.195028	2.19E-05	0.07908747	0.08779	0.207456	6.17E-06
0.23084	0.519801	1.11E-33	0.294481	8.51E-11	0.28071638	6.63E-10	0.520802	7.95E-34
0.00906	0.446892	2.62E-24	0.122738	0.00792	-0.0394948	0.39447	0.078188	0.09146
2.14E-13	-0.25426	2.52E-08	-0.24052	1.43E-07	-0.2633626	7.54E-09	-0.35073	5.79E-15
0.00812	0.397045	4.38E-19	0.220541	1.49E-06	0.27361931	1.83E-09	0.523854	2.85E-34
6.38E-05	0.307684	1.07E-11	0.150814	0.00108	0.23990193	1.54E-07	0.384244	7.04E-18
9.35E-06	0.290199	1.63E-10	0.070311	0.1292	0.26572412	5.47E-09	0.311802	5.48E-12



0.35415	0.549811	3.02E-38	0.537242	2.80E-36	0.54657337	9.88E-38	0.650038	2.02E-57
0.00036	0.384237	7.05E-18	0.163235	0.0004	0.18823533	4.25E-05	0.447868	2.03E-24
0.00184	0.289885	1.71E-10	0.159794	0.00053	0.09946405	0.03163	0.167722	0.00027
0.00284	0.247222	6.22E-08	0.148956	0.00124	0.29732842	5.49E-11	0.421018	1.73E-21
1.22E-08	-0.24638	6.92E-08	-0.05511	0.23458	0.14950052	0.00119	-0.00822	0.85939
0.72935	0.146647	0.00148	0.206938	6.52E-06	0.2249671	9.03E-07	0.309466	8.02E-12
0.76358	0.439497	1.78E-23	0.248568	5.24E-08	0.25188944	3.43E-08	0.41926	2.64E-21
0.57837	0.498621	1.01E-30	0.332251	1.69E-13	0.24292417	1.06E-07	0.42942	2.24E-22
0.01407	0.31285	4.61E-12	0.161881	0.00044	0.17977313	9.37E-05	0.31273	4.70E-12
0.00014	-0.39608	5.43E-19	-0.15024	0.00113	-0.0600163	0.19544	-0.25676	1.82E-08
0.79722	-0.31275	4.69E-12	0.005791	0.90067	-0.0985107	0.03331	-0.27782	1.01E-09
0.81589	0.122125	0.00824	0.110139	0.01727	0.12992384	0.00492	0.2371	2.17E-07
0.0055	0.499991	6.60E-31	0.335969	8.73E-14	0.15058503	0.0011	0.226494	7.58E-07
0.03449	0.498427	1.07E-30	0.300004	3.62E-11	0.29461791	8.34E-11	0.419335	2.59E-21
0.80744	0.529736	3.84E-35	0.354884	2.63E-15	0.2836841	4.30E-10	0.458915	1.06E-25
0.01409	0.269222	3.38E-09	0.175414	0.00014	0.08845481	0.05611	0.157765	0.00062
0.17629	0.401453	1.64E-19	0.208125	5.75E-06	0.17918126	9.89E-05	0.421653	1.49E-21
0.29159	0.334198	1.20E-13	0.197553	1.71E-05	0.43396325	7.21E-23	0.690153	2.59E-67
0.00011	0.36439	4.13E-16	0.320883	1.21E-12	0.111786	0.01566	0.230966	4.51E-07
0.0653	0.443356	6.59E-24	0.316411	2.56E-12	0.36479726	3.81E-16	0.400377	2.09E-19
0.01909	0.526556	1.14E-34	0.358721	1.25E-15	0.21490324	2.78E-06	0.410852	1.91E-20
0.82784	0.226426	7.64E-07	0.099767	0.03112	0.16130946	0.00047	0.239025	1.72E-07
0.00848	0.587613	1.07E-44	0.261663	9.48E-09	0.16087361	0.00048	0.417123	4.39E-21
0.01758	0.610244	5.53E-49	0.429668	2.10E-22	0.49817279	1.16E-30	0.581277	1.48E-43
0.02068	0.355052	2.55E-15	0.118871	0.01014	0.31520926	3.12E-12	0.453435	4.64E-25
0.49696	0.19114	3.21E-05	0.159965	0.00052	0.19917761	1.45E-05	0.329556	2.72E-13
0.8334	0.447651	2.15E-24	0.372769	7.66E-17	0.38950449	2.28E-18	0.649942	2.13E-57
0.50433	0.338186	5.86E-14	0.19315	2.64E-05	0.1513638	0.00103	0.329845	2.58E-13
0.58615	0.331667	1.87E-13	0.315653	2.90E-12	0.27459189	1.59E-09	0.246556	6.76E-08
0.12993	0.448518	1.71E-24	0.247469	6.03E-08	0.21841228	1.89E-06	0.400275	2.13E-19
0.23553	0.451365	8.06E-25	0.16243	0.00042	0.24309686	1.04E-07	0.387559	3.47E-18
0.95637	0.27592	1.32E-09	0.036627	0.42972	0.09411094	0.04207	0.243874	9.46E-08
0.60903	0.381145	1.35E-17	0.388233	3.00E-18	0.38373865	7.84E-18	0.468412	7.63E-27
0.02542	0.367884	2.06E-16	0.267725	4.16E-09	0.25542309	2.17E-08	0.322127	9.78E-13
0.39288	0.505018	1.36E-31	0.324665	6.34E-13	0.30567277	1.48E-11	0.551056	1.91E-38
0.11551	0.326122	4.93E-13	0.167181	0.00028	0.15217831	0.00097	0.200486	1.27E-05
0.42238	0.331923	1.79E-13	0.220202	1.55E-06	0.25453403	2.43E-08	0.293688	9.61E-11
0.46828	0.288465	2.12E-10	0.095235	0.03967	0.05230656	0.25928	0.170842	0.00021
0.41167	0.100365	0.03012	0.105476	0.02263	0.09654517	0.03701	0.192202	2.90E-05
2.11E-05	0.374058	5.89E-17	0.196586	1.88E-05	0.18236092	7.38E-05	0.365393	3.38E-16
0.75856	0.469167	6.17E-27	0.1624	0.00043	0.20156934	1.14E-05	0.37691	3.27E-17
0.00509	0.08463	0.06766	0.278596	9.01E-10	0.35640815	1.96E-15	0.220512	1.50E-06
0.7075	-0.19878	1.51E-05	-0.32444	6.58E-13	0.10692884	0.02082	0.123373	0.0076
0.99909	0.308113	9.98E-12	0.376654	3.45E-17	0.21226182	3.70E-06	0.213666	3.18E-06
1.18E-17	-0.31551	2.97E-12	-0.21367	3.18E-06	-0.0781599	0.09158	-0.03491	0.45168

3.05E-15	-0.20991	4.76E-06	-0.17809	0.00011	0.07966179	0.0855	0.142588	0.00201
0.16532	-0.37181	9.31E-17	-0.24086	1.37E-07	0.07384761	0.11099	0.114094	0.01362
0.03856	-0.00766	0.86883	-0.05396	0.24454	-0.0721749	0.11934	-0.13648	0.00312
0.08598	-0.05578	0.22897	0.028671	0.53655	0.2587399	1.40E-08	0.067572	0.14484
0.2738	0.005157	0.9115	0.208883	5.31E-06	0.12584075	0.00647	-0.01277	0.78311
0.00234	-0.20061	1.25E-05	-0.05082	0.27312	0.13619377	0.00319	0.11899	0.01006
0.02917	-0.07073	0.12692	-0.0082	0.85972	0.05335395	0.24985	-0.01043	0.82214
0.93353	-0.08818	0.05688	-0.08362	0.07101	-0.0986619	0.03304	-0.1569	0.00067
0.11613	-0.09732	0.03552	-0.10546	0.02265	-0.0006545	0.98875	0.016911	0.71549
4.70E-20	-0.15178	0.001	-0.0485	0.29557	0.06133602	0.18578	0.10195	0.0276
1.14E-12	0.101801	0.02782	0.152842	0.00092	-0.0628476	0.17515	-0.12306	0.00776
1.17E-05	-0.2766	1.20E-09	-0.17604	0.00013	-0.0606108	0.19104	-0.08654	0.06167
0.01889	-0.30004	3.60E-11	-0.16813	0.00026	0.03023841	0.51449	0.061129	0.18727
1.76E-05	-0.28231	5.26E-10	-0.18432	6.15E-05	-0.0862243	0.06263	-0.0874	0.05911
6.11E-05	-0.17469	0.00015	-0.02538	0.58437	0.13537309	0.00338	0.143996	0.00181
2.79E-08	-0.10104	0.02901	-0.10574	0.02229	0.00730462	0.8749	0.108678	0.01881
0.4624	-0.23783	1.99E-07	-0.16764	0.00027	0.07114601	0.12471	0.086701	0.06119
2.35E-11	-0.15359	0.00087	-0.18252	7.27E-05	-0.0143067	0.75781	0.044359	0.33882
8.50E-06	-0.1473	0.00141	-0.14004	0.00242	0.00915385	0.8436	0.059539	0.19902
0.00065	-0.07992	0.0845	-0.10866	0.01883	-0.0769924	0.09655	-0.10973	0.01769
0.1047	-0.06305	0.17376	0.00371	0.93627	0.17448629	0.00015	0.109313	0.01813
0.24572	-0.18918	3.88E-05	-0.0888	0.05516	0.08106658	0.08011	0.021952	0.6361
0.00215	0.340544	3.82E-14	0.193293	2.60E-05	0.04622994	0.31882	0.058669	0.20568
9.02E-05	0.147138	0.00143	0.205078	7.91E-06	0.01955988	0.67332	0.047805	0.30259
4.24E-09	-0.40269	1.24E-19	-0.35535	2.40E-15	-0.0598675	0.19655	-0.06679	0.14955
0.20284	-0.07784	0.09292	-0.04317	0.35194	-0.0028102	0.95171	-0.06259	0.17695
0.44256	-0.31704	2.31E-12	0.004815	0.91734	0.16675569	0.0003	0.101252	0.02868
7.93E-05	0.043508	0.34818	0.138641	0.00268	0.08786561	0.05778	-0.0251	0.58854
0.48695	0.001669	0.97131	0.134174	0.00367	0.08794124	0.05756	0.012688	0.78449
2.68E-21	-0.28344	4.46E-10	-0.00638	0.89057	0.01879386	0.68541	0.002736	0.95299
0.15888	-0.03063	0.50908	-0.14773	0.00137	-0.0791764	0.08743	-0.04031	0.38482
1.15E-06	0.004926	0.91544	-0.00327	0.94387	0.17533971	0.00014	0.232774	3.64E-07
5.08E-05	-0.15	0.00115	-0.15874	0.00058	0.00527628	0.90946	-0.03851	0.40636
1.48E-05	0.043089	0.35284	0.022836	0.62256	0.08178028	0.07748	0.1054	0.02273
0.49037	0.029833	0.52016	-0.00925	0.84202	0.0609056	0.18889	0.094979	0.0402
8.96E-07	-0.29387	9.35E-11	-0.36308	5.34E-16	-0.0464264	0.31676	0.033561	0.46937
3.61E-15	-0.19983	1.36E-05	-0.12611	0.00636	0.05328584	0.25045	0.101914	0.02765
0.00014	0.363843	4.60E-16	0.279757	7.62E-10	0.16789401	0.00027	0.1148	0.01305
0.29465	-0.10151	0.02827	0.053306	0.25028	-0.002583	0.9556	-0.05848	0.20714
0.44591	-0.02637	0.56971	0.176022	0.00013	0.38259334	9.98E-18	0.306685	1.26E-11
0.00011	-0.00944	0.83873	-0.08494	0.06667	-0.0602492	0.19371	0.010214	0.82577
0.47509	-0.29149	1.34E-10	-0.23338	3.39E-07	0.02352996	0.61202	0.13976	0.00247
0.98614	-0.07214	0.11952	-0.05517	0.23411	-0.0801767	0.08349	-0.11876	0.01021
0.0019	-0.47352	1.79E-27	-0.30721	1.15E-11	-0.0289539	0.53253	0.00718	0.87703
5.36E-10	-0.2003	1.29E-05	-0.06175	0.18284	0.14952925	0.00119	0.180841	8.50E-05

4.40E-05	-0.23157	4.19E-07	-0.1254	0.00666	-0.0568667	0.21997	-0.12353	0.00753
2.17E-10	0.322193	9.67E-13	0.250667	4.01E-08	0.03777395	0.41541	-0.07652	0.09861
0.14802	-0.00634	0.89138	-0.03696	0.42553	-0.0472934	0.3078	0.013687	0.76799
1.74E-16	-0.12151	0.00857	-0.08808	0.05716	-0.0061272	0.89494	-0.04915	0.28913
1.89E-10	-0.07901	0.08809	0.045525	0.32625	0.11860535	0.01031	0.136023	0.00323
0.03568	0.036328	0.4335	0.071974	0.12037	0.09006952	0.05176	0.103434	0.0254
6.16E-10	0.033329	0.47244	-0.02363	0.61044	0.08321199	0.07241	0.188154	4.28E-05
0.06888	0.085168	0.06593	-0.04321	0.35148	-0.0602675	0.19357	0.045782	0.32353
0.44739	-0.2058	7.34E-06	-0.06776	0.14374	0.08826765	0.05664	0.095388	0.03935
0.23991	-0.04749	0.30577	-0.05351	0.24849	-0.1507225	0.00109	-0.16739	0.00028
4.88E-05	0.047348	0.30724	0.089013	0.05457	0.26777375	4.13E-09	0.214372	2.94E-06
0.00973	-0.10767	0.01995	-0.14627	0.00153	-0.0582635	0.20883	-0.01001	0.82926
0.02472	-0.44585	3.45E-24	-0.28595	3.08E-10	0.03519991	0.44793	0.057519	0.21472
0.00044	-0.34891	8.16E-15	-0.13765	0.00287	0.22624935	7.80E-07	0.285053	3.52E-10
0.22183	-0.08171	0.07773	-0.09765	0.03489	0.00354557	0.93909	-0.0777	0.09351
0.80614	-0.0021	0.96385	0.219422	1.69E-06	0.18311434	6.88E-05	0.16464	0.00035
0.29651	-0.09803	0.03418	-0.11112	0.01629	-0.0304583	0.51144	-0.02783	0.54852
0.30747	-0.07004	0.13072	-0.05157	0.26608	0.03016668	0.51549	-0.0805	0.08224
0.0003	0.079396	0.08655	0.018033	0.69751	0.07392312	0.11062	0.082605	0.07453
0.77092	0.381506	1.26E-17	0.203119	9.69E-06	0.10936034	0.01808	0.187255	4.66E-05
2.27E-06	0.134826	0.00351	0.10567	0.02238	-0.0016693	0.9713	-0.01464	0.75241
0.13737	-0.22877	5.83E-07	-0.34594	1.42E-14	-0.1815294	7.97E-05	-0.19885	1.50E-05
0.00133	0.260623	1.09E-08	0.146505	0.0015	0.06116555	0.187	0.093669	0.04305
4.18E-11	-0.35379	3.24E-15	-0.25942	1.28E-08	-0.0676551	0.14435	-0.07605	0.10069
4.55E-11	-0.38427	7.00E-18	-0.17567	0.00014	0.01099318	0.81271	0.027585	0.55209
0.00287	0.126025	0.00639	0.146621	0.00149	0.2346795	2.90E-07	0.24468	8.56E-08
0.00903	0.22912	5.59E-07	0.305427	1.54E-11	0.20796057	5.85E-06	0.135506	0.00335
0.00011	-0.2089	5.30E-06	-0.10162	0.02811	0.19840819	1.57E-05	0.114612	0.0132
2.80E-05	-0.23834	1.87E-07	-0.16426	0.00036	0.01109786	0.81096	0.000525	0.99098
3.72E-06	0.263017	7.90E-09	0.119596	0.00969	0.03649765	0.43136	0.037623	0.41728
0.0076	-0.22672	7.38E-07	-0.39525	6.52E-19	-0.0434899	0.34837	-0.10653	0.02131
0.02154	-0.20276	1.01E-05	-0.19236	2.85E-05	-0.074334	0.10865	-0.16132	0.00047
1.08E-05	0.168387	0.00026	0.181195	8.22E-05	0.09287917	0.04485	0.053532	0.24827
2.95E-08	0.30487	1.68E-11	0.217215	2.16E-06	-0.0326587	0.4814	-0.05958	0.19872
0.28116	-0.06843	0.1398	0.091799	0.0474	0.21083679	4.31E-06	0.265504	5.64E-09
0.00014	0.144123	0.00179	0.089118	0.05429	0.07472374	0.10681	0.163712	0.00038
0.00422	-0.11752	0.01103	-0.12426	0.00718	0.26555928	5.60E-09	0.232223	3.89E-07
0.13548	-0.32166	1.06E-12	-0.24674	6.61E-08	-0.1351093	0.00344	-0.15977	0.00053
5.54E-06	-0.21122	4.14E-06	-0.1815	7.99E-05	-0.055	0.23551	-0.00502	0.91388
0.00075	-0.17199	0.00019	-0.07951	0.0861	0.04351399	0.34811	-0.00086	0.9853
0.70623	-0.283	4.76E-10	-0.12919	0.00517	0.0755458	0.10299	0.003396	0.94165
0.56502	-0.18012	9.07E-05	-0.0621	0.18033	0.00956736	0.83663	0.045573	0.32575
3.12E-07	-0.03067	0.50849	-0.01877	0.6858	0.03168836	0.49453	0.035911	0.4388
0.00087	-0.38879	2.66E-18	-0.2134	3.27E-06	0.08669437	0.06121	0.197968	1.64E-05
0.745	-0.2816	5.83E-10	-0.26111	1.02E-08	-0.1144654	0.01332	-0.09179	0.04742

0.66272	0.147454	0.0014	0.098688	0.03299	0.10556611	0.02251	0.151705	0.00101
0.03726	-0.12474	0.00696	-0.13263	0.00409	-0.1333667	0.00389	-0.19428	2.36E-05
0.98432	-0.02109	0.64944	0.015879	0.73216	0.15754416	0.00063	0.209159	5.16E-06
0.89965	-0.10982	0.0176	-0.1264	0.00624	-0.0223712	0.62966	-0.05714	0.21779
6.22E-06	-0.15173	0.001	-0.03523	0.44759	0.02623779	0.57168	-0.06983	0.13186
0.83692	0.176995	0.00012	0.158383	0.00059	0.07648563	0.09877	0.087776	0.05803
0.12122	-0.06344	0.17113	-0.1262	0.00632	-0.1031485	0.02581	-0.105	0.02325
0.78362	0.274881	1.53E-09	0.069544	0.13345	-0.0569381	0.21939	-0.06257	0.17705
0.03114	-0.23618	2.42E-07	-0.1875	4.56E-05	-0.1191106	0.00999	-0.11009	0.01732
0.04658	-0.16051	0.0005	-0.03996	0.38895	0.02632954	0.57033	-0.04406	0.34204
0.35359	-0.1232	0.00769	-0.14889	0.00125	-0.0344299	0.45793	-0.163	0.00041
0.00214	0.054108	0.24321	0.064976	0.16096	0.08029042	0.08305	0.100754	0.02948
2.53E-14	-0.30038	3.42E-11	-0.31402	3.80E-12	-0.1355388	0.00334	-0.20745	6.17E-06
0.89963	-0.31624	2.63E-12	-0.17924	9.83E-05	-0.0980607	0.03413	-0.14465	0.00172
0.00674	0.001518	0.97391	0.003531	0.93933	0.09723149	0.03568	0.145549	0.00161
9.12E-14	-0.2772	1.10E-09	-0.23555	2.62E-07	-0.0571892	0.21736	-0.03579	0.44041
1.59E-10	-0.27798	9.84E-10	-0.16022	0.00051	0.05270655	0.25565	0.057894	0.21174
6.86E-10	0.080004	0.08416	0.044311	0.33934	0.01368616	0.76801	-0.01162	0.80229
0.02944	0.112787	0.01474	0.115639	0.0124	0.16287327	0.00041	0.141524	0.00217
0.10559	-0.22035	1.52E-06	-0.14642	0.00151	-0.0630988	0.17343	-0.10322	0.02571
0.02291	-0.21115	4.17E-06	-0.23324	3.44E-07	-0.2924283	1.16E-10	-0.28408	4.06E-10
0.80311	-0.07724	0.09547	-0.02869	0.53626	-0.0730848	0.11474	-0.06902	0.13643
0.01417	-0.11851	0.01037	-0.04062	0.3811	0.05046507	0.27645	0.061136	0.18722
5.60E-07	0.01339	0.77289	0.096355	0.03739	0.04236528	0.36099	0.110491	0.01691
0.02911	-0.06228	0.17911	-0.19946	1.41E-05	-0.2146175	2.87E-06	-0.06248	0.1777
0.10889	0.239441	1.63E-07	0.199599	1.39E-05	0.08660641	0.06147	0.142317	0.00205
0.00234	-0.06241	0.17816	-0.09016	0.05151	0.05098919	0.27149	0.129292	0.00514
0.01406	-0.24498	8.24E-08	-0.1225	0.00804	-0.0684882	0.13946	-0.12983	0.00495
0.00097	-0.14971	0.00117	-0.0695	0.13371	0.04759869	0.30468	0.088066	0.05721
0.26746	-0.08147	0.07862	-0.10244	0.02685	-0.0534185	0.24927	-0.10818	0.01937
3.73E-08	-0.15677	0.00067	-0.07359	0.11223	-0.0700314	0.13074	-0.09866	0.03305
0.00563	0.037795	0.41515	0.009804	0.83265	-0.0870993	0.06	-0.04127	0.3736
0.52533	-0.16233	0.00043	-0.25363	2.74E-08	0.042267	0.36211	0.002572	0.9558
1.24E-07	-0.03017	0.51546	-0.10175	0.0279	-0.0990229	0.0324	-0.10945	0.01798
1.49E-08	0.34759	1.04E-14	0.282896	4.83E-10	-0.0896277	0.05292	-0.14284	0.00197
0.91821	-0.30951	7.96E-12	-0.18173	7.83E-05	0.20432174	8.56E-06	0.091053	0.04924
0.27097	-0.18653	4.99E-05	-0.19741	1.73E-05	-0.0394807	0.39464	-0.13038	0.00477
4.16E-06	-0.19098	3.26E-05	-0.0003	0.99477	0.19806288	1.62E-05	0.127683	0.00572
5.20E-09	-0.25841	1.46E-08	-0.17226	0.00018	-0.0898758	0.05226	-0.04077	0.37941
2.19E-12	-0.33083	2.17E-13	-0.21433	2.96E-06	-0.1147435	0.01309	-0.13687	0.00304
0.00021	0.342361	2.74E-14	0.183173	6.85E-05	0.06013783	0.19453	0.050776	0.2735
3.08E-06	-0.34179	3.05E-14	-0.1699	0.00023	-0.1100497	0.01736	-0.08048	0.08231
0.01225	-0.26262	8.33E-09	-0.21322	3.34E-06	-0.0520841	0.26131	-0.07591	0.10132
0.00117	-0.29501	7.85E-11	-0.15523	0.00076	-0.0390844	0.39941	-0.07651	0.09866
4.32E-07	-0.37434	5.56E-17	-0.17915	9.92E-05	0.15464735	0.0008	0.217094	2.19E-06

0.01855	0.315857	2.81E-12	0.153694	0.00086	-0.0001921	0.9967	-0.22586	8.16E-07
0.2325	0.090837	0.04978	-0.01027	0.82482	0.31688988	2.36E-12	0.52035	9.25E-34
0.65644	-0.02362	0.61068	-0.10381	0.02486	0.2350026	2.79E-07	0.419764	2.34E-21
0.50227	-0.03873	0.40369	0.018717	0.68663	0.34388611	2.07E-14	0.465843	1.57E-26
0.00577	0.156364	0.0007	0.041124	0.37524	0.22712844	7.05E-07	0.3134	4.21E-12
0.7784	0.127369	0.00585	-0.06893	0.13693	0.2474646	6.03E-08	0.462587	3.86E-26
0.26664	0.161404	0.00046	0.054797	0.23725	0.24693115	6.45E-08	0.32138	1.11E-12
0.61153	0.274989	1.51E-09	0.251746	3.49E-08	0.52596131	1.40E-34	0.611501	3.12E-49
0.52435	0.364412	4.11E-16	0.186347	5.08E-05	0.48571789	5.11E-29	0.625313	4.91E-52
0.81993	0.186737	4.90E-05	-0.03134	0.49933	0.30743303	1.11E-11	0.599159	7.67E-47
9.06E-05	-0.22843	6.06E-07	-0.06536	0.15851	-0.2728212	2.05E-09	-0.38239	1.04E-17
0.00233	-0.28495	3.57E-10	-0.09398	0.04236	0.48847532	2.24E-29	0.611618	2.96E-49
0.2368	0.215637	2.56E-06	0.301859	2.71E-11	-0.0515023	0.26669	-0.31608	2.70E-12
0.53872	-0.03909	0.39936	0.005849	0.89968	0.22622473	7.82E-07	0.336662	7.71E-14
0.08899	0.198158	1.61E-05	0.30235	2.50E-11	-0.0651261	0.15999	-0.36295	5.48E-16
0.31249	0.239316	1.66E-07	0.179883	9.27E-05	0.56217842	2.88E-40	0.757574	3.51E-88
5.83E-05	-0.10543	0.02269	-0.10537	0.02276	0.38430329	6.95E-18	0.527631	7.91E-35
0.00208	0.197957	1.64E-05	0.1847	5.94E-05	-0.4464087	2.98E-24	-0.57039	1.18E-41
0.31432	0.23561	2.60E-07	0.083822	0.07034	0.28704202	2.62E-10	0.316203	2.65E-12
0.89459	0.18797	4.36E-05	0.170589	0.00021	0.53434304	7.77E-36	0.794399	#####
0.79672	-0.02348	0.61272	-0.01498	0.74682	-0.318539	1.79E-12	-0.51699	2.82E-33
0.93718	0.206453	6.86E-06	0.142591	0.00201	-0.281286	6.10E-10	-0.49426	3.88E-30
4.30E-07	-0.23362	3.29E-07	-0.07377	0.11138	0.50283857	2.70E-31	0.505184	1.29E-31
0.07431	0.040071	0.38761	0.137369	0.00293	-0.1551149	0.00077	-0.27073	2.74E-09
0.00219	0.287738	2.36E-10	0.265685	5.50E-09	0.60814909	1.43E-48	0.783279	4.78E-98
0.19658	0.196342	1.93E-05	0.161593	0.00046	-0.1956532	2.06E-05	-0.37783	2.70E-17
5.80E-05	0.289186	1.90E-10	0.213304	3.31E-06	-0.4170858	4.43E-21	-0.56257	2.48E-40
0.6752	0.23359	3.30E-07	0.156229	0.0007	0.60536553	4.96E-48	0.829187	#####
0.42219	0.223953	1.01E-06	0.137852	0.00283	0.40490564	7.50E-20	0.63344	9.44E-54
0.19112	0.063815	0.16859	0.112619	0.01489	0.59152561	2.05E-45	0.796164	#####
0.54923	0.374123	5.81E-17	0.198251	1.59E-05	0.41063807	2.01E-20	0.628393	1.11E-52
0.5024	-0.05698	0.21906	-0.00411	0.92949	-0.2776001	1.04E-09	-0.53252	1.47E-35
0.00207	0.241727	1.23E-07	0.042462	0.3599	-0.1645393	0.00036	-0.21344	3.26E-06
0.03161	0.144553	0.00174	-0.07144	0.12313	-0.4775837	5.57E-28	-0.65911	1.59E-59
0.49062	-0.01616	0.72759	-0.06962	0.13301	0.18907541	3.92E-05	0.38863	2.76E-18
0.17579	0.173002	0.00017	0.060503	0.19184	0.18446267	6.07E-05	0.341126	3.44E-14
0.2131	0.142658	0.002	-0.04198	0.36538	0.30112477	3.04E-11	0.580758	1.83E-43
0.8218	0.057353	0.21605	0.080265	0.08315	-0.4151617	6.98E-21	-0.55124	1.78E-38
0.14087	0.243497	9.91E-08	0.162171	0.00043	0.58946444	4.91E-45	0.765892	3.10E-91
0.4137	-0.05415	0.24285	0.176277	0.00013	-0.0845095	0.06806	-0.27924	8.21E-10
0.49433	0.293568	9.79E-11	0.181618	7.91E-05	0.32610921	4.94E-13	0.41181	1.53E-20
0.10298	-0.19502	2.20E-05	0.010662	0.81825	-0.374781	5.08E-17	-0.52594	1.41E-34
0.92072	0.02849	0.53911	-0.05905	0.20273	-0.3175461	2.12E-12	-0.46593	1.53E-26
5.23E-05	0.049746	0.28336	0.067762	0.14371	0.2302741	4.89E-07	0.352419	4.21E-15
0.00065	0.089258	0.05391	0.030588	0.50965	0.15823679	0.0006	0.277828	1.01E-09

0.00771	0.08093	0.08062	0.062083	0.18047	0.33819849	5.85E-14	0.5316	2.02E-35
0.63305	-0.18788	4.40E-05	-0.1014	0.02845	-0.2653731	5.74E-09	-0.44563	3.65E-24
0.03103	0.01374	0.76713	0.01851	0.68992	0.22525169	8.74E-07	0.360443	8.97E-16
0.00828	0.135279	0.0034	0.030645	0.50886	0.60467999	6.73E-48	0.723244	8.83E-77
0.62069	0.127463	0.00581	0.128844	0.0053	-0.3371816	7.02E-14	-0.54262	4.13E-37
0.71308	0.020486	0.6588	-0.1446	0.00173	0.06912091	0.13583	0.257061	1.75E-08
0.20008	0.200931	1.21E-05	0.239217	1.68E-07	-0.2012599	1.17E-05	-0.44467	4.68E-24
0.07444	-0.11751	0.01104	-0.04315	0.35211	0.38752931	3.49E-18	0.621596	2.88E-51
0.34917	0.154162	0.00083	0.148376	0.0013	0.30527517	1.57E-11	0.381373	1.29E-17
0.79569	0.257037	1.75E-08	0.240785	1.39E-07	0.48957354	1.61E-29	0.574062	2.74E-42
0.15153	0.055376	0.23232	-0.08413	0.06931	-0.1860089	5.25E-05	-0.37825	2.48E-17
0.03916	0.060105	0.19478	0.211855	3.87E-06	-0.2440824	9.22E-08	-0.50339	2.27E-31
0.58151	-0.01266	0.78503	0.080014	0.08412	-0.4096408	2.53E-20	-0.56777	3.31E-41
0.27106	-0.10595	0.02203	-0.0331	0.47552	-0.4309048	1.55E-22	-0.56231	2.74E-40
0.72002	-0.21591	2.49E-06	-0.18761	4.51E-05	0.21027387	4.58E-06	0.449093	1.47E-24
0.01031	0.223063	1.12E-06	0.116093	0.01205	-0.4486303	1.66E-24	-0.64688	1.05E-56
0.89778	-0.0122	0.79262	-0.01274	0.78371	0.27403578	1.73E-09	0.46828	7.92E-27
0.27877	-0.08985	0.05232	-0.16493	0.00034	-0.4981785	1.16E-30	-0.69922	8.85E-70
5.75E-08	0.006781	0.88381	0.052853	0.25433	-0.2373985	2.09E-07	-0.47938	3.31E-28
0.35505	0.091713	0.04761	0.08482	0.06705	0.39589313	5.66E-19	0.583006	7.25E-44
0.35263	0.117042	0.01137	0.11362	0.01402	0.61605187	3.86E-50	0.782945	6.54E-98
0.02744	0.13052	0.00473	0.06134	0.18575	0.12896938	0.00525	0.26376	7.15E-09
0.91871	0.015518	0.73803	0.075038	0.10533	-0.2794028	8.02E-10	-0.38028	1.62E-17
0.06746	0.184162	6.24E-05	0.406713	4.97E-20	-0.1559052	0.00072	-0.29074	1.50E-10
0.40459	0.182815	7.08E-05	0.147932	0.00135	0.43817738	2.49E-23	0.59574	3.38E-46
7.74E-07	0.258857	1.38E-08	0.215878	2.50E-06	0.44246315	8.30E-24	0.61491	6.54E-50
0.00701	0.207703	6.01E-06	0.025286	0.58572	0.20501215	7.97E-06	0.343803	2.11E-14
0.92405	0.057588	0.21417	-0.04	0.38839	-0.4491986	1.43E-24	-0.55939	8.38E-40
0.09861	-0.15806	0.00061	-0.06929	0.13488	-0.4810988	2.00E-28	-0.73739	2.92E-81
2.10E-08	0.263664	7.24E-09	0.082277	0.07569	0.23686647	2.23E-07	0.433481	8.14E-23
0.00075	0.015558	0.73737	0.056517	0.22283	0.39076732	1.74E-18	0.5311	2.40E-35
0.00192	0.109594	0.01783	-0.05266	0.25604	0.28494186	3.57E-10	0.491171	9.93E-30
0.5781	0.026322	0.57044	0.049904	0.28184	0.49748033	1.44E-30	0.679539	1.53E-64
0.00013	-0.0143	0.75792	-0.06803	0.14214	0.25412806	2.57E-08	0.402964	1.17E-19
0.03106	-0.31742	2.16E-12	-0.21976	1.63E-06	-0.2302293	4.91E-07	-0.43817	2.49E-23
0.15851	0.024511	0.59726	0.109481	0.01795	0.49845196	1.06E-30	0.426096	5.06E-22
0.09665	0.148205	0.00132	0.057848	0.2121	0.45439859	3.59E-25	0.709844	8.71E-73
0.86518	0.024701	0.59442	0.097045	0.03604	0.35623608	2.03E-15	0.396891	4.54E-19
0.59732	0.098195	0.03388	-0.0168	0.71725	0.37970673	1.83E-17	0.525846	1.45E-34
0.51602	-0.20293	9.89E-06	-0.19153	3.09E-05	-0.2445404	8.71E-08	-0.32519	5.79E-13
0.80798	-0.06807	0.14188	-0.09277	0.0451	0.17195334	0.00019	0.331978	1.77E-13
0.66872	0.304821	1.69E-11	0.04257	0.35868	0.31456405	3.48E-12	0.523086	3.70E-34
0.142	-0.21144	4.04E-06	-0.06568	0.15644	0.54120763	6.85E-37	0.664704	7.37E-61
0.83193	-0.13677	0.00306	-0.21829	1.92E-06	-0.3185326	1.79E-12	-0.39036	1.90E-18
0.03139	0.13857	0.00269	0.03534	0.44612	0.3917588	1.40E-18	0.516127	3.75E-33

0.08073	0.049402	0.28671	0.044443	0.3379	0.59186832	1.77E-45	0.755271	2.34E-87
0.04274	0.03487	0.45219	-0.08509	0.06617	0.33664802	7.73E-14	0.496061	2.23E-30
1.27E-31	0.020813	0.6537	-0.00071	0.98777	0.27083372	2.70E-09	0.382373	1.05E-17
3.22E-05	0.046476	0.31625	0.087802	0.05796	-0.2923573	1.18E-10	-0.42052	1.95E-21
0.14316	-0.21336	3.29E-06	-0.01386	0.76507	-0.3856734	5.19E-18	-0.4532	4.94E-25
0.01261	0.108602	0.0189	0.138389	0.00273	0.29658119	6.16E-11	0.392917	1.09E-18
0.07397	0.391114	1.61E-18	0.24359	9.80E-08	0.3105275	6.74E-12	0.366733	2.59E-16
0.18432	0.235925	2.50E-07	0.054914	0.23625	0.44784408	2.04E-24	0.567132	4.24E-41
1.02E-06	0.047671	0.30394	0.021763	0.639	0.29949597	3.92E-11	0.465662	1.65E-26
0.02609	0.255933	2.03E-08	0.38974	2.17E-18	-0.0277152	0.55021	-0.21066	4.39E-06
0.15374	0.065859	0.15533	0.059547	0.19896	0.3818668	1.16E-17	0.364203	4.28E-16
0.3361	-0.05379	0.24597	-0.07589	0.10143	0.28242626	5.17E-10	0.454527	3.46E-25
0.41592	0.100973	0.02913	0.058554	0.20657	0.57763464	6.51E-43	0.670047	3.67E-62
0.63029	0.263009	7.91E-09	0.206324	6.95E-06	0.44351173	6.33E-24	0.649515	2.66E-57
0.18335	-0.16266	0.00042	-0.10836	0.01917	0.51786647	2.11E-33	0.593795	7.79E-46
0.88522	0.054881	0.23654	0.061697	0.1832	0.56683242	4.76E-41	0.789804	#####
0.79743	0.115674	0.01237	0.163228	0.0004	0.29427353	8.79E-11	0.389411	2.33E-18
0.11936	0.132326	0.00418	0.187464	4.57E-05	0.66967524	4.54E-62	0.781721	2.07E-97
0.51808	-0.03214	0.48837	-0.09298	0.04462	0.43629366	4.01E-23	0.660497	7.47E-60
0.01069	-0.08381	0.07038	0.05443	0.24041	0.56846127	2.52E-41	0.60842	1.26E-48
0.96942	0.039596	0.39326	0.157988	0.00061	-0.406085	5.73E-20	-0.65601	8.49E-59
0.338	0.263066	7.85E-09	0.019807	0.66944	0.31642348	2.55E-12	0.382778	9.60E-18
0.03087	-0.07592	0.10128	-0.01854	0.6894	-0.4727972	2.20E-27	-0.60873	1.10E-48
0.49373	0.064389	0.16478	0.011231	0.80874	0.19240709	2.84E-05	0.329934	2.54E-13
0.76191	0.090034	0.05185	0.012688	0.7845	0.2308617	4.56E-07	0.284946	3.57E-10
0.22546	0.188748	4.04E-05	0.061272	0.18624	0.39530479	6.44E-19	0.415694	6.15E-21
0.82525	0.143152	0.00193	0.008766	0.85015	0.15762775	0.00063	0.308583	9.25E-12
0.0329	-0.12853	0.00541	0.046825	0.31262	0.5434531	3.06E-37	0.726269	1.03E-77
3.28E-06	0.346025	1.40E-14	0.14073	0.0023	0.36311051	5.31E-16	0.418055	3.52E-21
0.99869	-0.0394	0.39555	0.065264	0.1591	0.59780077	1.38E-46	0.710661	5.05E-73
0.80764	0.151583	0.00102	0.113297	0.0143	0.31104071	6.20E-12	0.386699	4.17E-18
0.20992	-0.19703	1.80E-05	-0.02464	0.59537	0.3533566	3.52E-15	0.462916	3.53E-26
0.67785	0.177447	0.00012	0.053592	0.24774	-0.2825861	5.05E-10	-0.35531	2.42E-15
0.42929	-0.07801	0.09219	0.03101	0.50382	0.56458521	1.14E-40	0.734014	3.64E-80
0.19853	0.029929	0.51881	-0.03464	0.45523	-0.4129243	1.18E-20	-0.53662	3.49E-36
0.08808	0.095692	0.03872	-0.0238	0.60794	-0.2693237	3.34E-09	-0.43265	1.00E-22
0.91411	0.009514	0.83753	0.114114	0.01361	0.58160062	1.29E-43	0.764848	7.61E-91
0.00049	0.051346	0.26814	0.307116	1.17E-11	-0.2656085	5.56E-09	-0.43271	9.86E-23
0.00014	-0.04586	0.32274	-0.04888	0.29188	0.2617558	9.37E-09	0.424533	7.40E-22
0.58409	0.013545	0.77034	0.001378	0.97631	-0.3730916	7.17E-17	-0.5681	2.90E-41
0.44925	0.038065	0.41182	0.06271	0.1761	-0.4678519	8.93E-27	-0.69406	2.30E-68
0.62963	0.035339	0.44613	-0.01788	0.69997	0.2875629	2.42E-10	0.451663	7.45E-25
0.24205	0.271852	2.35E-09	0.369076	1.62E-16	-0.2837521	4.26E-10	-0.47334	1.89E-27
0.13698	-0.06257	0.17707	-0.07637	0.0993	0.49452381	3.58E-30	0.735397	1.30E-80
0.00079	0.158018	0.00061	0.346943	1.18E-14	-0.2223686	1.21E-06	-0.41387	9.46E-21

0.12239	-0.14891	0.00125	-0.10316	0.0258	0.3010756	3.06E-11	0.450868	9.20E-25
0.33944	-0.22614	7.90E-07	-0.15659	0.00068	0.24241329	1.13E-07	0.337989	6.07E-14
0.18154	0.163778	0.00038	0.034999	0.45052	0.34006783	4.17E-14	0.407138	4.50E-20
0.28422	-0.07206	0.11991	-0.10197	0.02757	-0.2524042	3.21E-08	-0.3853	5.63E-18
0.49835	-0.0764	0.09914	-0.06605	0.15414	-0.2427146	1.09E-07	-0.30954	7.92E-12
0.74776	0.053031	0.25273	0.099147	0.03218	-0.3566504	1.87E-15	-0.56619	6.13E-41
0.80717	0.462541	3.91E-26	0.231896	4.04E-07	0.19802196	1.63E-05	0.365854	3.09E-16
0.09036	0.135341	0.00339	0.073561	0.11238	0.24151082	1.27E-07	0.34586	1.44E-14
0.92195	-0.12558	0.00658	-0.06945	0.134	0.31494204	3.27E-12	0.437611	2.87E-23
0.83671	-0.16164	0.00045	-0.07518	0.10465	0.36520204	3.51E-16	0.444829	4.49E-24
0.15185	0.151776	0.001	0.06019	0.19415	0.27798555	9.83E-10	0.351893	4.65E-15
1.93E-05	0.154855	0.00079	0.03147	0.49751	0.26508609	5.97E-09	0.378292	2.46E-17
0.30509	0.024871	0.59188	0.114345	0.01342	0.51886832	1.51E-33	0.731437	2.43E-79
0.19526	-0.19183	3.00E-05	0.000293	0.99496	0.51822101	1.88E-33	0.507941	5.34E-32
0.12413	0.223678	1.05E-06	0.196388	1.92E-05	-0.1797232	9.41E-05	-0.10303	0.02599
7.62E-05	-0.12107	0.00882	-0.11957	0.0097	0.24243535	1.13E-07	0.361664	7.06E-16
0.00124	-0.17582	0.00013	-0.14733	0.00141	0.41576437	6.05E-21	0.602055	2.15E-47
0.57449	0.040057	0.38777	0.065495	0.15763	-0.2167842	2.26E-06	-0.34222	2.82E-14
0.4992	-0.29682	5.94E-11	-0.21955	1.66E-06	0.4010547	1.79E-19	0.465773	1.60E-26
0.59264	0.229117	5.59E-07	0.047112	0.30966	-0.3688315	1.70E-16	-0.54759	6.81E-38
0.13638	0.048213	0.29848	-0.04906	0.29008	-0.3402468	4.04E-14	-0.5485	4.89E-38
0.00674	0.11545	0.01254	-0.06415	0.16634	0.36007935	9.63E-16	0.618472	1.25E-50
0.30058	0.068392	0.14002	0.005308	0.90893	0.37728495	3.03E-17	0.549739	3.10E-38
0.31574	0.095764	0.03858	-0.00269	0.95376	0.41453421	8.09E-21	0.63738	1.33E-54
0.00058	0.211054	4.21E-06	0.304486	1.78E-11	-0.2328874	3.59E-07	-0.33927	4.82E-14
0.11493	0.253087	2.94E-08	0.195936	2.01E-05	0.5987277	9.25E-47	0.671122	2.00E-62
0.09163	-0.0449	0.33296	0.043644	0.34667	0.47863435	4.10E-28	0.574191	2.60E-42
6.36E-05	0.032813	0.47933	0.216206	2.41E-06	-0.2117654	3.90E-06	-0.31996	1.41E-12
7.55E-06	-0.00316	0.94573	0.147233	0.00142	-0.3189971	1.66E-12	-0.55111	1.87E-38
0.00011	-0.00329	0.94354	-0.0246	0.59591	0.2689707	3.50E-09	0.44734	2.33E-24
1.54E-07	0.222769	1.16E-06	0.294233	8.84E-11	-0.167811	0.00027	-0.31433	3.61E-12
0.01835	0.223154	1.11E-06	0.049871	0.28215	0.43413878	6.90E-23	0.640388	2.93E-55
0.20254	0.349383	7.46E-15	0.25784	1.58E-08	-0.2341432	3.09E-07	-0.39486	7.10E-19
0.28836	0.2811	6.27E-10	0.25364	2.73E-08	-0.2287411	5.84E-07	-0.41709	4.42E-21
0.53173	-0.06487	0.16167	-0.12558	0.00658	0.29823755	4.77E-11	0.517738	2.20E-33
0.91766	0.254117	2.57E-08	0.228685	5.88E-07	-0.3007138	3.24E-11	-0.43004	1.92E-22
0.28727	0.063169	0.17295	0.034982	0.45074	-0.3377516	6.34E-14	-0.39118	1.59E-18
0.18722	0.035875	0.43927	0.066385	0.15205	-0.1480888	0.00133	-0.36245	6.05E-16
0.00072	0.241444	1.28E-07	0.099665	0.03129	0.51523934	5.02E-33	0.580498	2.03E-43
0.52573	0.008422	0.85597	0.044166	0.34093	0.47474684	1.26E-27	0.572889	4.38E-42
0.02362	0.161981	0.00044	-0.02392	0.6061	0.53733943	2.71E-36	0.643384	6.37E-56
0.5464	0.048797	0.29266	-0.11274	0.01478	0.33085745	2.16E-13	0.604756	6.51E-48
1.52E-07	-0.03781	0.41496	0.092888	0.04483	0.59012211	3.72E-45	0.676819	7.51E-64
0.04404	-0.09185	0.04727	0.126635	0.00614	-0.2204432	1.51E-06	-0.33287	1.52E-13
0.66504	-0.01693	0.71511	-0.00816	0.86042	-0.1441562	0.00179	-0.33271	1.56E-13



0.24644	-0.03992	0.3894	-0.04365	0.34665	0.29071146	1.51E-10	0.436882	3.46E-23
0.92613	0.112031	0.01543	0.11932	0.00986	0.5923346	1.45E-45	0.836824	#####
0.16927	0.187496	4.56E-05	0.206964	6.50E-06	-0.2856366	3.22E-10	-0.49658	1.90E-30
0.11256	0.130232	0.00482	0.04058	0.3816	0.22592298	8.09E-07	0.340677	3.73E-14
0.91684	0.141199	0.00222	0.124279	0.00717	0.24720977	6.23E-08	0.36565	3.21E-16
0.02451	0.167124	0.00029	0.146253	0.00153	0.42246085	1.22E-21	0.52355	3.16E-34
0.74439	0.110092	0.01731	0.316474	2.53E-12	-0.1127993	0.01473	-0.37921	2.03E-17
0.15408	-0.05769	0.21335	0.113881	0.0138	-0.2435776	9.81E-08	-0.47395	1.59E-27
0.25526	0.311972	5.33E-12	0.224314	9.73E-07	0.54133143	6.56E-37	0.583204	6.68E-44
0.75802	0.162401	0.00043	0.066361	0.1522	0.29290374	1.08E-10	0.491581	8.77E-30
0.48919	-0.20508	7.91E-06	-0.02182	0.63807	-0.2883172	2.16E-10	-0.38733	3.64E-18
0.0214	0.301619	2.81E-11	0.024759	0.59356	-0.4601595	7.52E-26	-0.50754	6.08E-32
0.00556	-0.21838	1.90E-06	-0.03291	0.478	-0.2188632	1.80E-06	-0.44329	6.69E-24
0.01428	-0.2454	7.82E-08	-0.07564	0.10255	-0.3245243	6.49E-13	-0.3853	5.62E-18
0.35023	0.049649	0.2843	-0.13564	0.00332	-0.3307868	2.19E-13	-0.51728	2.56E-33
0.61327	0.079285	0.087	-0.00156	0.97323	0.41702508	4.49E-21	0.704247	3.48E-71
0.06328	-0.05756	0.21435	-0.12389	0.00735	0.26699862	4.60E-09	0.459103	1.00E-25
0.00024	-0.07643	0.09901	0.020622	0.65668	0.52516905	1.83E-34	0.666512	2.69E-61
0.09058	-0.12281	0.00789	-0.03766	0.41677	0.42313662	1.04E-21	0.523514	3.20E-34
0.05159	0.061567	0.18412	0.050644	0.27475	0.52339051	3.34E-34	0.562723	2.34E-40
0.00062	-0.04611	0.32006	-0.01857	0.68904	0.24630093	6.98E-08	0.341872	3.00E-14
8.61E-05	0.092459	0.04583	-0.07619	0.10006	0.14065993	0.00231	0.341155	3.42E-14
0.47113	-0.07984	0.08482	0.187769	4.44E-05	-0.1588468	0.00057	-0.34515	1.64E-14
4.25E-07	0.225443	8.55E-07	0.142579	0.00201	0.31417287	3.71E-12	0.434543	6.24E-23
1.07E-05	0.215212	2.69E-06	0.037296	0.42135	0.30674765	1.24E-11	0.381784	1.18E-17
0.37389	0.152027	0.00098	0.140657	0.00231	0.39740094	4.05E-19	0.578717	4.20E-43
0.18743	0.013019	0.77902	0.021607	0.6414	-0.0593157	0.20072	-0.27749	1.06E-09
0.29704	-0.12487	0.0069	0.031916	0.49143	-0.3573658	1.63E-15	-0.39595	5.59E-19
3.24E-05	0.102205	0.02721	0.021837	0.63787	-0.2827736	4.91E-10	-0.41315	1.12E-20
0.08167	0.086562	0.06161	-0.04234	0.3613	0.21845283	1.88E-06	0.446466	2.93E-24
0.13202	-0.03159	0.49591	-0.02464	0.59528	0.45458517	3.41E-25	0.57231	5.51E-42
0.23729	-0.13696	0.00302	-0.16562	0.00033	0.32222929	9.61E-13	0.342752	2.55E-14
0.59862	-0.04227	0.36205	-0.07613	0.10034	0.35409793	3.05E-15	0.504293	1.71E-31
0.74137	-0.17221	0.00018	-0.28103	6.33E-10	0.3189252	1.68E-12	0.295473	7.31E-11
0.93051	0.042875	0.35524	0.154822	0.00079	-0.1855221	5.50E-05	-0.374	5.95E-17
0.00701	-0.0158	0.73337	-0.04899	0.29076	0.52367397	3.03E-34	0.730937	3.50E-79
0.71971	0.147892	0.00135	0.058705	0.2054	0.2612463	1.00E-08	0.38378	7.77E-18
0.07257	0.020189	0.66344	0.13057	0.00471	0.4871234	3.36E-29	0.61144	3.21E-49
7.66E-06	0.085904	0.06362	0.13594	0.00325	0.339659	4.49E-14	0.446254	3.10E-24
0.28928	-0.11451	0.01328	-0.04466	0.33556	0.47252356	2.38E-27	0.645529	2.12E-56
0.61347	-0.13719	0.00297	-0.1109	0.01651	0.33807044	5.99E-14	0.404527	8.18E-20
0.18843	0.352529	4.12E-15	0.118761	0.01021	0.26042168	1.12E-08	0.474912	1.20E-27
0.03823	0.011764	0.79985	0.066478	0.15148	-0.4093112	2.73E-20	-0.54484	1.86E-37
0.42074	-0.10833	0.01919	-0.04971	0.28366	-0.2294967	5.35E-07	-0.49475	3.34E-30
0.02507	0.062665	0.17641	0.182302	7.42E-05	-0.2534407	2.81E-08	-0.46807	8.39E-27

0.98952	0.05372	0.24661	-0.02602	0.57488	-0.5305316	2.92E-35	-0.57352	3.40E-42
0.29572	0.183888	6.41E-05	0.059891	0.19637	0.38759141	3.45E-18	0.532275	1.60E-35
0.61633	0.122746	0.00792	0.091508	0.04811	0.56511821	9.28E-41	0.766447	1.92E-91
0.27787	-0.04873	0.29336	0.029464	0.52533	-0.2402825	1.47E-07	-0.54541	1.51E-37
0.3982	-0.03891	0.4015	0.102777	0.02635	-0.2086455	5.44E-06	-0.42516	6.35E-22
0.74392	0.134414	0.00361	0.009762	0.83336	0.53599546	4.35E-36	0.668329	9.70E-62
0.00026	0.234401	3.00E-07	0.167251	0.00028	-0.4030377	1.15E-19	-0.539	1.51E-36
0.50578	-0.21219	3.73E-06	-0.12313	0.00772	0.34421626	1.95E-14	0.431198	1.44E-22
0.04847	0.188983	3.95E-05	0.042878	0.3552	0.46165242	5.00E-26	0.676059	1.17E-63
0.10263	-0.06685	0.14918	0.162406	0.00043	-0.3157136	2.87E-12	-0.56283	2.24E-40
0.00486	0.147196	0.00142	0.077408	0.09475	-0.3964946	4.95E-19	-0.55076	2.13E-38
0.00705	0.336435	8.03E-14	0.144545	0.00174	0.41269845	1.24E-20	0.584823	3.42E-44
0.28637	0.012034	0.79535	-0.00881	0.84948	0.3661918	2.88E-16	0.540402	9.14E-37
0.1794	0.154328	0.00082	0.136683	0.00308	0.66984073	4.13E-62	0.898703	#####
0.99855	0.330921	2.14E-13	0.198746	1.51E-05	0.52154587	6.20E-34	0.773014	5.95E-94
0.57448	0.019385	0.67607	-0.00195	0.96648	0.49685353	1.75E-30	0.735336	1.36E-80
0.4729	0.000975	0.98324	0.077671	0.09363	0.49801104	1.22E-30	0.694557	1.69E-68
0.07429	0.032582	0.48243	-0.01765	0.70364	0.4824173	1.36E-28	0.72242	1.58E-76
0.53484	0.205567	7.52E-06	0.24436	8.90E-08	0.59516833	4.32E-46	0.695906	7.24E-69
0.00824	0.184847	5.86E-05	0.081393	0.0789	0.60619245	3.43E-48	0.765456	4.52E-91
1.46E-06	0.063022	0.17395	0.026752	0.56417	0.37208494	8.81E-17	0.529141	4.71E-35
0.89332	0.186171	5.17E-05	0.177701	0.00011	0.53104447	2.45E-35	0.565819	7.07E-41
0.41035	-0.01235	0.79015	0.045624	0.32521	0.31135106	5.90E-12	0.338335	5.71E-14
0.9022	-0.05597	0.22736	0.06504	0.16054	-0.2164584	2.34E-06	-0.3892	2.44E-18
0.15751	0.064593	0.16344	-0.01734	0.70863	0.348378	9.01E-15	0.517828	2.14E-33
0.03859	0.089982	0.05198	-0.03856	0.40583	0.56028114	5.96E-40	0.680421	9.08E-65
0.04713	-0.12162	0.00851	-0.15687	0.00067	0.41709298	4.42E-21	0.558777	1.06E-39
0.10032	-0.05819	0.20937	-0.12073	0.00901	0.34795116	9.76E-15	0.428749	2.64E-22
0.47369	0.011684	0.80117	0.158303	0.0006	0.63119165	2.85E-53	0.768066	4.71E-92
0.0807	-0.04893	0.29129	-0.28295	4.79E-10	0.09194466	0.04705	0.272675	2.09E-09
0.90446	0.124634	0.007	-0.03189	0.49178	0.34785352	9.94E-15	0.565256	8.80E-41
0.01173	-0.01157	0.80302	0.039749	0.39143	0.39636415	5.10E-19	0.53942	1.30E-36
0.83946	0.192108	2.92E-05	0.058848	0.2043	0.4605604	6.74E-26	0.641563	1.61E-55
0.28504	0.234019	3.14E-07	0.213777	3.14E-06	0.60285642	1.51E-47	0.731411	2.48E-79
0.74822	0.397315	4.13E-19	0.336792	7.53E-14	0.56096638	4.59E-40	0.707202	5.02E-72
0.00795	0.118251	0.01054	0.054878	0.23656	0.35782414	1.49E-15	0.452427	6.07E-25
0.23559	0.212445	3.63E-06	-0.04127	0.3735	0.36512906	3.56E-16	0.495802	2.41E-30
0.42794	0.107667	0.01995	-0.11102	0.01639	0.37900746	2.12E-17	0.557777	1.54E-39
0.64976	0.356816	1.81E-15	0.167807	0.00027	0.38280164	9.55E-18	0.535288	5.58E-36
0.15806	-0.00973	0.83391	0.057194	0.21733	0.51501682	5.40E-33	0.717179	6.06E-75
0.10795	-0.06497	0.16097	-0.07678	0.09749	0.46962286	5.42E-27	0.483063	1.12E-28
0.49945	0.547994	5.88E-38	0.232201	3.90E-07	0.43823172	2.45E-23	0.619809	6.68E-51
0.19741	-0.07273	0.1165	-0.07555	0.10296	0.1668797	0.00029	0.306927	1.21E-11
0.21641	0.308328	9.64E-12	0.329552	2.72E-13	0.53841377	1.85E-36	0.573421	3.54E-42
0.31211	0.384229	7.06E-18	0.145069	0.00167	0.41580502	5.99E-21	0.58023	2.27E-43

0.086	0.140537	0.00233	0.084257	0.06889	0.34985262	6.83E-15	0.35464	2.75E-15
0.00878	0.304037	1.92E-11	0.155097	0.00077	0.52643357	1.19E-34	0.596826	2.11E-46
0.31116	0.12883	0.0053	0.060649	0.19076	0.52078945	7.99E-34	0.707313	4.67E-72
0.39395	0.136266	0.00317	-0.07167	0.12193	0.25785672	1.57E-08	0.455222	2.87E-25
0.0231	0.452902	5.35E-25	0.333554	1.34E-13	0.32237678	9.37E-13	0.402135	1.41E-19
3.32E-06	-0.0675	0.1453	-0.14344	0.00189	0.41632642	5.30E-21	0.603954	9.30E-48
0.72908	0.33662	7.77E-14	0.246048	7.21E-08	0.51110015	1.93E-32	0.701943	1.55E-70
0.081	0.253378	2.83E-08	0.287702	2.37E-10	-0.2352806	2.70E-07	-0.43983	1.63E-23
9.21E-22	0.15746	0.00064	0.163915	0.00038	0.42709367	3.96E-22	0.498431	1.07E-30
0.83166	0.240034	1.52E-07	0.083487	0.07147	0.3782934	2.46E-17	0.580556	1.98E-43
0.42455	-0.04913	0.28933	-0.13689	0.00303	-0.0547642	0.23753	0.01946	0.67489
0.00863	0.177116	0.00012	0.090945	0.04951	-0.0269987	0.56057	-0.01275	0.78347
0.32902	-0.1972	1.77E-05	-0.08905	0.05447	0.00536288	0.90798	0.068812	0.13759
0.43598	0.078762	0.0891	-0.02975	0.52131	-0.0243174	0.60016	-0.0005	0.99148
0.00927	0.100265	0.03028	0.030878	0.50563	0.01343353	0.77217	-0.05855	0.20662
0.84952	0.087675	0.05833	-0.02883	0.53426	-0.114625	0.01319	-0.04981	0.28277
0.43247	0.030244	0.51442	-0.00439	0.92468	-0.0360353	0.43722	-0.0417	0.36861
0.3542	0.115505	0.0125	-0.01373	0.76731	-0.0546881	0.23819	-0.02467	0.59484
0.9649	-0.051	0.27142	-0.18692	4.81E-05	-0.1292084	0.00517	-0.13258	0.0041
0.83285	0.007422	0.87291	-0.01865	0.68767	0.00846722	0.8552	0.06078	0.1898
0.00019	0.005193	0.91088	-0.21901	1.77E-06	0.02232198	0.63041	0.08105	0.08017
0.03367	0.092761	0.04512	0.038977	0.40071	0.01299489	0.77942	0.014268	0.75845
0.13284	0.178507	0.00011	0.086457	0.06192	-0.0741099	0.10972	-0.08847	0.05608
0.00146	-0.06443	0.1645	-0.0114	0.80591	0.05265362	0.25613	0.030906	0.50524
0.6699	-0.04833	0.29728	0.009206	0.84273	0.00981248	0.83251	0.013877	0.76486
0.62671	0.084677	0.06751	-0.0422	0.36282	-0.0577563	0.21283	-0.07305	0.11489
0.46041	0.124117	0.00724	-0.04725	0.30822	0.00441016	0.92428	0.137997	0.0028
3.27E-07	0.077412	0.09474	0.008766	0.85015	0.00635803	0.89101	-0.01104	0.81198
0.83262	0.255212	2.23E-08	0.172382	0.00018	0.1296421	0.00502	0.067927	0.14274
0.12952	0.057609	0.214	0.017028	0.71361	0.06378255	0.1688	0.097918	0.03439
0.56109	0.082778	0.07392	-0.00093	0.98394	0.02634707	0.57008	0.056821	0.22034
0.14602	0.149001	0.00124	-0.00971	0.8343	-0.0205046	0.65851	0.030925	0.50498
0.47053	-0.18061	8.68E-05	-0.15079	0.00108	0.0017798	0.9694	0.041644	0.36923
4.47E-18	-0.11325	0.01434	-0.03049	0.51095	0.04196249	0.36558	0.054814	0.23711
0.73985	0.038463	0.40695	0.014547	0.75386	-0.0159239	0.73143	-0.00933	0.84057
0.67526	0.070725	0.12696	-0.02804	0.54549	0.02582184	0.57779	0.088324	0.05648
0.20254	-0.08742	0.05906	-0.11795	0.01074	-0.0218437	0.63776	0.04997	0.2812
0.74572	0.128897	0.00528	0.070819	0.12645	-0.0383553	0.40827	-0.06465	0.16306
0.01113	-0.07107	0.12511	-0.15942	0.00054	0.00571337	0.902	0.161431	0.00046
0.06837	-0.18651	5.01E-05	-0.07847	0.09029	0.13590922	0.00325	0.22696	7.18E-07
0.83818	0.137514	0.0029	0.035364	0.44582	0.00690471	0.8817	0.051186	0.26963
0.97464	0.036791	0.42767	-0.01186	0.79824	-0.0265756	0.56674	-0.01195	0.79668
0.02024	0.15521	0.00076	0.068777	0.13779	-0.1484591	0.00129	-0.10541	0.02272
0.32923	0.1804	8.85E-05	0.046057	0.32063	-0.0721526	0.11945	-0.11553	0.01248
0.97662	0.041138	0.37508	0.003898	0.93304	0.02977836	0.52092	0.000881	0.98484

0.12892	-0.10657	0.02126	-0.12361	0.00749	-0.0127061	0.7842	0.034025	0.46324
7.26E-05	0.1595	0.00054	0.048494	0.29567	-0.0514407	0.26726	-0.09155	0.04801
0.42369	-0.0241	0.60336	0.002013	0.96539	0.01174033	0.80024	0.02059	0.65717
0.65299	0.164768	0.00035	0.073718	0.11162	0.06697193	0.14845	0.117062	0.01135
0.00078	0.136182	0.00319	0.050637	0.27482	0.02438517	0.59914	0.030701	0.50808
8.02E-05	0.101965	0.02757	-0.02865	0.53686	-0.0602687	0.19356	-0.03623	0.43469
0.07074	0.063789	0.16876	0.121425	0.00862	0.08352741	0.07133	0.032222	0.48728
0.3599	0.012829	0.78217	0.023218	0.61674	0.06902442	0.13638	0.005874	0.89925
0.00013	0.04935	0.28722	-0.04388	0.34406	-0.0148574	0.7488	-0.04636	0.31741
0.00391	0.073793	0.11126	-0.07173	0.12162	-0.0059723	0.89758	-0.03034	0.5131
0.0048	-0.09483	0.04053	0.013026	0.7789	-0.0081951	0.8598	-0.04156	0.3702
0.43337	0.075719	0.1022	-0.12868	0.00536	-0.0658119	0.15563	0.063457	0.17099
0.84983	0.021051	0.65001	-0.03814	0.41091	-0.0717234	0.12167	-0.06306	0.17372
0.05752	0.156584	0.00068	-0.01761	0.70423	-0.1289608	0.00525	-0.0728	0.11619
0.61321	0.135678	0.00331	0.015106	0.74473	-0.01206	0.79492	-0.01991	0.66774
0.00666	0.139175	0.00258	0.089771	0.05254	0.04988569	0.28201	0.027101	0.55909
0.22693	0.061306	0.18599	-0.01925	0.67822	0.0965532	0.037	0.138594	0.00269
0.85708	0.089559	0.0531	0.025284	0.58574	0.03276239	0.48001	0.045199	0.32974
0.07257	0.031154	0.50184	0.038708	0.40396	0.01677156	0.71773	-0.0116	0.80263
0.00282	-0.00371	0.9362	-0.06507	0.16034	-0.0283466	0.54116	0.089878	0.05226
0.82404	0.009272	0.84161	-0.08969	0.05274	-0.0749863	0.10558	0.051897	0.26303
0.36978	-0.14834	0.00131	-0.1381	0.00278	-0.019958	0.66706	0.047725	0.3034
0.16498	0.118745	0.01022	0.10719	0.02051	0.05587946	0.2281	0.052494	0.25758
0.92266	0.106632	0.02118	0.054294	0.24159	-0.0087396	0.85059	-0.00221	0.96209
0.64286	0.142319	0.00205	-0.08079	0.08115	-0.1658488	0.00032	-0.12376	0.00742
4.77E-05	0.121395	0.00864	0.020204	0.66321	0.00486264	0.91653	0.030414	0.51205
0.35437	0.116147	0.01201	0.088506	0.05597	0.00722721	0.87622	-0.0208	0.65388
0.92404	0.095812	0.03848	-0.0567	0.22131	-0.0065589	0.88758	0.104641	0.02373
0.24721	0.017654	0.70356	-0.05224	0.25991	-0.1711562	0.0002	-0.15029	0.00112
0.80802	-0.03321	0.47397	-0.0168	0.71722	0.18979047	3.66E-05	0.303555	2.07E-11
0.0643	0.0181	0.69644	-0.05281	0.25471	0.00031094	0.99465	0.004541	0.92204
0.393	0.150893	0.00107	0.059792	0.19712	0.03313571	0.47501	0.034012	0.4634
0.5436	0.09562	0.03887	-0.03482	0.45283	0.00889351	0.84799	0.013309	0.77423
0.19954	0.170605	0.00021	0.058236	0.20905	0.0113439	0.80685	0.019276	0.67779
1.21E-17	0.1031	0.02588	0.067995	0.14234	0.08628045	0.06246	0.048837	0.29226
0.00205	0.225629	8.37E-07	0.134695	0.00354	0.05082482	0.27304	0.028639	0.537
8.04E-16	0.160054	0.00052	0.013043	0.77861	0.00818016	0.86006	0.033059	0.47603
0.72174	0.093698	0.04298	-0.09466	0.04088	-0.0795809	0.08582	0.01864	0.68785
0.86693	0.115925	0.01218	0.045196	0.32978	-0.0184714	0.69053	-0.00165	0.97163
0.00832	-0.05904	0.20285	-0.13668	0.00308	0.01768323	0.7031	0.043236	0.3512
0.97085	0.031844	0.4924	-0.06131	0.18596	-0.0384022	0.40769	0.06499	0.16086
0.18761	0.091269	0.04871	-0.00457	0.92157	-0.0280204	0.54583	0.030033	0.51736
0.28984	0.132496	0.00413	0.059155	0.20194	0.03282275	0.4792	0.022019	0.63507
0.12268	0.141417	0.00219	-0.00911	0.84429	-0.0779579	0.09243	-0.10822	0.01932
0.62434	0.14373	0.00185	0.070363	0.12892	0.09321121	0.04408	0.10955	0.01788

0.70548	0.0595	0.19932	-0.06124	0.1865	0.00879507	0.84966	-0.00542	0.90709
0.76029	0.084151	0.06924	-0.10468	0.02368	-0.0618179	0.18234	-0.04259	0.3585
0.04399	0.055017	0.23537	0.022222	0.63195	0.03027682	0.51396	0.066598	0.15074
0.36683	0.106532	0.0213	0.059811	0.19697	0.01297562	0.77973	-0.00431	0.92605
0.0028	0.043527	0.34796	0.026097	0.57374	-0.0073671	0.87384	-0.00587	0.89936
0.00143	0.054034	0.24386	0.036877	0.42658	0.03021893	0.51477	0.035918	0.43871
0.00969	0.205795	7.35E-06	0.109746	0.01767	0.17459946	0.00015	0.158032	0.00061
0.25855	0.093203	0.0441	0.109265	0.01818	-0.0304866	0.51105	-0.04783	0.30229
0.61982	0.134254	0.00365	-0.03112	0.50228	-0.0029399	0.94948	0.089006	0.05459
1.08E-07	0.105217	0.02297	0.059571	0.19878	0.04379112	0.34504	0.046165	0.3195
0.77849	0.154489	0.00081	0.014265	0.75849	-0.0504733	0.27637	-0.00401	0.93119
0.00497	0.131503	0.00442	0.01343	0.77223	0.00780965	0.86633	-0.01441	0.75615
0.41916	0.194905	2.22E-05	0.183467	6.66E-05	0.04201255	0.36501	-0.04538	0.32776
0.9488	0.079269	0.08706	-0.01755	0.70517	-0.0495707	0.28506	-0.03132	0.49952
0.2847	0.14409	0.0018	0.066965	0.14849	0.02051335	0.65838	-0.04962	0.28458
6.29E-05	0.232396	3.81E-07	0.216056	2.45E-06	0.12432255	0.00715	0.101596	0.02814
0.55055	0.061481	0.18474	-0.00085	0.98534	-0.0341677	0.46136	-0.01323	0.77547
0.07817	0.2185	1.87E-06	0.080931	0.08062	-0.0301204	0.51614	-0.00583	0.90002
0.11151	0.126773	0.00608	0.028665	0.53662	0.03203236	0.48985	0.058376	0.20796
0.46288	0.142341	0.00205	0.053589	0.24776	0.02807291	0.54508	0.050596	0.2752
0.30744	0.058077	0.2103	-0.05937	0.20029	-0.0356302	0.44239	0.012554	0.78671
0.66645	-0.12894	0.00526	-0.05069	0.27431	-0.4251415	6.39E-22	-0.48829	2.37E-29
0.77263	-0.0521	0.26121	0.002088	0.9641	0.22173982	1.30E-06	0.159202	0.00055
0.00158	-0.23274	3.65E-07	-0.03252	0.48328	-0.0892134	0.05403	0.005526	0.9052
0.77648	0.2781	9.67E-10	0.188303	4.22E-05	-0.2655632	5.59E-09	-0.38088	1.43E-17
0.00019	-0.04678	0.31312	-0.03784	0.41464	-0.1120776	0.01539	-0.08566	0.06436
0.87892	0.311143	6.10E-12	0.197571	1.70E-05	0.17592581	0.00013	0.23568	2.57E-07
0.65743	-0.08232	0.07554	0.060017	0.19543	0.03382423	0.46588	-0.03529	0.44676
0.0405	0.210593	4.43E-06	0.119721	0.00961	-0.0476128	0.30454	0.021549	0.6423
0.38524	0.09324	0.04402	-0.00871	0.85115	0.31819804	1.90E-12	0.247133	6.29E-08
0.99366	-0.11221	0.01526	0.145768	0.00159	-0.3080281	1.01E-11	-0.29288	1.09E-10
0.06394	0.232756	3.65E-07	0.386418	4.43E-18	-0.1462159	0.00153	-0.27016	2.97E-09
0.01718	0.074055	0.10999	0.436637	3.68E-23	0.04376877	0.34529	-0.02742	0.55452
0.01207	0.222648	1.18E-06	0.320446	1.30E-12	0.42225809	1.28E-21	0.252905	3.01E-08
0.0091	-0.10223	0.02717	-0.12366	0.00746	-0.4078508	3.82E-20	-0.39134	1.53E-18
0.03088	0.026475	0.5682	0.360915	8.18E-16	-0.0425492	0.35891	-0.078	0.09225
0.08218	0.198059	1.62E-05	0.448775	1.60E-24	0.0246676	0.59492	-0.08495	0.06662
0.75834	-0.10039	0.03007	0.206842	6.58E-06	-0.0656946	0.15637	-0.13771	0.00286
0.67782	-0.01745	0.70686	0.398349	3.28E-19	0.26736645	4.37E-09	0.061116	0.18737
0.01762	-0.07249	0.11774	0.360884	8.23E-16	0.14626168	0.00153	0.001665	0.97138
0.12835	-0.41772	3.81E-21	-0.16397	0.00037	-0.3033316	2.14E-11	-0.43779	2.74E-23
0.01247	-0.19794	1.64E-05	-0.0364	0.43264	-0.1505472	0.0011	-0.36982	1.39E-16
3.76E-05	0.210067	4.68E-06	0.293373	1.01E-10	0.15872011	0.00058	0.137161	0.00298
0.18727	-0.04195	0.36572	-0.09145	0.04827	-0.4871932	3.29E-29	-0.47338	1.87E-27
0.0108	-0.28927	1.88E-10	0.109909	0.0175	0.02869296	0.53623	0.002004	0.96554

0.92084	0.044307	0.33938	0.24987	4.44E-08	-0.078812	0.0889	-0.22262	1.18E-06
0.78554	0.179409	9.69E-05	0.238983	1.73E-07	-0.1810449	8.34E-05	-0.24084	1.38E-07
0.34986	-0.07472	0.10684	0.139275	0.00256	0.39409455	8.40E-19	0.317635	2.09E-12
0.4037	0.112949	0.0146	-0.00102	0.98252	-0.2991782	4.12E-11	-0.35805	1.43E-15
0.47378	-0.08489	0.06681	-0.09811	0.03403	-0.4774689	5.75E-28	-0.40467	7.91E-20
0.64914	-0.01321	0.77591	0.060005	0.19552	-0.3179695	1.97E-12	-0.29365	9.67E-11
0.3304	0.200096	1.32E-05	0.280366	6.98E-10	-0.3457467	1.47E-14	-0.31386	3.90E-12
0.48265	0.005468	0.90619	-0.07783	0.09295	0.10046819	0.02995	0.116649	0.01165
0.51461	0.12863	0.00537	0.076088	0.10054	0.38777574	3.31E-18	0.46345	3.04E-26
0.02651	-0.09511	0.03993	0.161711	0.00045	-0.1231599	0.00771	-0.19053	3.41E-05
0.73059	-0.26399	6.93E-09	-0.15775	0.00062	-0.5768656	8.88E-43	-0.70311	7.27E-71
0.08945	0.358425	1.33E-15	0.49847	1.06E-30	0.00997072	0.82985	-0.15888	0.00057
0.04891	0.007678	0.86856	0.0828	0.07384	0.41108038	1.81E-20	0.328551	3.24E-13
0.01798	0.301298	2.96E-11	0.208202	5.70E-06	0.45754267	1.53E-25	0.292937	1.08E-10
0.02009	-0.0946	0.04101	-0.02414	0.60289	-0.1074698	0.02018	-0.2676	4.23E-09
0.00904	0.195717	2.05E-05	0.202003	1.09E-05	-0.1559422	0.00072	-0.10387	0.02478
0.89879	0.114053	0.01366	0.303871	1.97E-11	0.05134167	0.26818	0.029408	0.52612
3.57E-11	0.005674	0.90268	-0.03035	0.51288	0.364543	4.00E-16	0.220009	1.58E-06
0.0603	0.0607	0.19039	-0.02112	0.64901	-0.4391161	1.96E-23	-0.6386	7.21E-55
0.49592	-0.02464	0.59526	-0.17357	0.00016	-0.333105	1.45E-13	-0.45318	4.96E-25
0.66684	0.320652	1.26E-12	0.090991	0.0494	-0.1302299	0.00482	-0.14	0.00243
1.26E-13	0.084611	0.06772	0.088097	0.05712	-0.2846687	3.72E-10	-0.15223	0.00097
0.05484	-0.02954	0.52422	0.102343	0.027	-0.3007396	3.23E-11	-0.44933	1.38E-24
0.46662	-0.24682	6.54E-08	0.087716	0.05821	-0.2119564	3.82E-06	-0.31712	2.27E-12
0.32514	-0.03171	0.49425	0.442895	7.42E-24	0.06693822	0.14866	-0.01523	0.7427
0.84105	-0.10767	0.01995	-0.00557	0.90443	-0.4070749	4.57E-20	-0.42921	2.35E-22
0.00611	-0.19435	2.35E-05	-0.26264	8.32E-09	-0.4806064	2.31E-28	-0.53462	7.06E-36
0.04968	-0.35712	1.71E-15	-0.2207	1.46E-06	-0.4452757	4.00E-24	-0.63077	3.50E-53
0.73241	-0.11078	0.01662	0.161845	0.00045	-0.3180442	1.95E-12	-0.45228	6.32E-25
0.99897	-0.05491	0.23632	-0.07955	0.08593	-0.5353822	5.40E-36	-0.55272	1.03E-38
0.02512	-0.28331	4.54E-10	-0.10757	0.02006	-0.1760957	0.00013	-0.18405	6.31E-05
0.81955	0.094944	0.04028	0.350389	6.17E-15	0.04970879	0.28372	0.08277	0.07395
0.357	-0.24477	8.46E-08	-0.22747	6.78E-07	-0.4950604	3.03E-30	-0.69605	6.60E-69
0.26638	-0.02691	0.56185	0.044203	0.34052	-0.3343372	1.17E-13	-0.50081	5.10E-31
0.81791	-0.08578	0.06399	-0.00312	0.94647	-0.3728918	7.47E-17	-0.51598	3.94E-33
0.06556	-0.0403	0.38492	0.136726	0.00307	-0.2701444	2.98E-09	-0.16957	0.00023
0.17971	0.003803	0.93467	0.135208	0.00342	-0.2845024	3.81E-10	-0.15048	0.00111
0.50391	0.223526	1.06E-06	0.078776	0.08905	-0.3921264	1.29E-18	-0.33175	1.85E-13
0.22352	-0.11079	0.01661	0.008138	0.86077	-0.3300918	2.47E-13	-0.37358	6.50E-17
0.2064	0.004167	0.92843	0.286299	2.92E-10	-0.2323178	3.84E-07	-0.33296	1.49E-13
0.05396	0.022519	0.62739	-0.06347	0.17089	-0.6270061	2.18E-52	-0.56424	1.30E-40
0.95513	0.01367	0.76827	0.303231	2.18E-11	-0.2538972	2.64E-08	-0.23241	3.80E-07
0.71887	-0.04589	0.32236	0.224609	9.41E-07	-0.2802101	7.14E-10	-0.40319	1.11E-19
0.63437	-0.08207	0.07643	-0.07228	0.11879	-0.6182011	1.42E-50	-0.65429	2.13E-58
0.54915	-0.11022	0.01719	-0.14686	0.00146	-0.4317307	1.26E-22	-0.69388	2.58E-68

0.66977	-0.13408	0.0037	-0.0968	0.03652	-0.4109096	1.89E-20	-0.56488	1.02E-40
0.00417	-0.27798	9.84E-10	0.058034	0.21063	-0.1047058	0.02364	-0.28306	4.71E-10
0.01644	0.136595	0.0031	0.315778	2.84E-12	-0.226061	7.97E-07	-0.27045	2.85E-09
0.37396	-0.14069	0.00231	-0.06404	0.16711	-0.4798125	2.91E-28	-0.46937	5.82E-27
0.89839	-0.09927	0.03196	-0.08577	0.06404	-0.5515964	1.56E-38	-0.61338	1.32E-49
0.61201	-0.26319	7.72E-09	-0.20169	1.12E-05	-0.554832	4.68E-39	-0.54723	7.78E-38
0.63399	-0.05429	0.24166	-0.082	0.07668	-0.6281638	1.24E-52	-0.74188	9.58E-83
0.0157	0.1468	0.00147	0.116766	0.01156	-0.4451118	4.18E-24	-0.39837	3.26E-19
0.69291	-0.13429	0.00364	-0.00255	0.95618	-0.4617208	4.90E-26	-0.64544	2.22E-56
0.90674	-0.01707	0.71297	-0.1374	0.00293	-0.7277267	3.60E-78	-0.66829	9.93E-62
0.00671	-0.02452	0.59714	0.138838	0.00264	-0.3129952	4.50E-12	-0.31388	3.90E-12
0.36645	-0.16207	0.00044	0.115159	0.01277	-0.4184578	3.20E-21	-0.51671	3.09E-33
0.79448	-0.06529	0.15894	-0.07047	0.12834	-0.4683775	7.70E-27	-0.5781	5.40E-43
0.70267	0.016388	0.72392	0.172363	0.00018	-0.3951471	6.67E-19	-0.45528	2.83E-25
0.14842	-0.00118	0.97964	0.02543	0.58357	-0.552168	1.26E-38	-0.63697	1.63E-54
0.23415	0.050739	0.27385	0.06834	0.14032	-0.5298047	3.75E-35	-0.42512	6.42E-22
0.23334	-0.11631	0.0119	-0.01237	0.78977	-0.3885481	2.81E-18	-0.3786	2.30E-17
0.01524	0.149681	0.00118	0.49074	1.13E-29	-0.1024614	0.02682	-0.17418	0.00016
0.18458	-0.11082	0.01658	0.048513	0.29547	-0.2893325	1.86E-10	-0.26335	7.55E-09
0.68269	0.053449	0.249	0.083366	0.07188	-0.3960852	5.42E-19	-0.3299	2.56E-13
0.86327	0.1456	0.00161	0.326227	4.84E-13	-0.1288523	0.00529	-0.04941	0.28666
9.04E-05	-0.20529	7.74E-06	0.097316	0.03552	-0.1258581	0.00646	-0.31976	1.46E-12
0.80518	-0.14036	0.00236	-0.15756	0.00063	-0.518977	1.46E-33	-0.39999	2.27E-19
0.0021	-0.04109	0.37563	0.275677	1.37E-09	-0.0250101	0.58981	-0.24377	9.59E-08
0.01804	-0.2429	1.07E-07	-0.09461	0.04098	-0.3890345	2.53E-18	-0.62383	1.00E-51
0.27349	-0.13265	0.00409	-0.09269	0.04528	-0.4862013	4.42E-29	-0.69221	7.29E-68
0.01026	0.084022	0.06967	0.138499	0.0027	-0.5317569	1.91E-35	-0.58657	1.66E-44
0.79873	-0.14725	0.00142	-0.01926	0.67807	-0.3879929	3.16E-18	-0.57728	7.52E-43
0.10168	0.070391	0.12877	0.406354	5.39E-20	-0.0791223	0.08765	-0.1441	0.0018
0.36139	-0.14385	0.00183	0.061044	0.18788	-0.3188998	1.69E-12	-0.32874	3.13E-13
0.1471	-0.2048	8.15E-06	0.044477	0.33753	-0.2546381	2.40E-08	-0.46793	8.73E-27
0.32047	0.032993	0.47691	0.288119	2.23E-10	-0.3148082	3.34E-12	-0.31897	1.67E-12
0.28842	-0.05777	0.21269	0.039375	0.39591	-0.4773994	5.87E-28	-0.48757	2.94E-29
0.57284	-0.05525	0.23342	0.030187	0.51521	-0.2856763	3.21E-10	-0.44706	2.51E-24
0.08143	0.08175	0.07759	0.040827	0.3787	-0.5746807	2.14E-42	-0.70076	3.31E-70
0.0009	-0.05766	0.21363	-0.00669	0.88527	-0.1732711	0.00017	-0.43673	3.59E-23
0.07379	0.059978	0.19572	-0.05214	0.26084	-0.6331386	1.10E-53	-0.56015	6.27E-40
0.51476	-0.05895	0.20354	0.212548	3.59E-06	-0.2320106	3.98E-07	-0.22586	8.15E-07
0.94002	0.037799	0.4151	0.054402	0.24065	-0.4918047	8.19E-30	-0.45339	4.69E-25
0.55267	0.065587	0.15705	0.109512	0.01792	-0.3622556	6.29E-16	-0.22987	5.13E-07
0.98264	0.069569	0.1333	0.04404	0.34231	-0.357903	1.47E-15	-0.49772	1.34E-30
0.30611	0.016889	0.71585	0.134158	0.00368	-0.3452654	1.61E-14	-0.29202	1.24E-10
0.00792	0.045092	0.33088	0.267305	4.41E-09	-0.2598218	1.21E-08	-0.26544	5.69E-09
0.15238	-0.20514	7.87E-06	0.002732	0.95304	-0.2097729	4.83E-06	-0.47405	1.54E-27
0.57502	0.092553	0.04561	0.353921	3.16E-15	-0.2324418	3.79E-07	-0.31159	5.67E-12

0.15129	-0.08669	0.06122	0.123416	0.00758	-0.2493752	4.73E-08	-0.43359	7.92E-23
0.92739	-0.0075	0.87161	0.223823	1.03E-06	-0.2342623	3.05E-07	-0.11361	0.01403
0.00073	-0.19332	2.60E-05	0.068452	0.13967	-0.2392478	1.67E-07	-0.32181	1.03E-12
0.79113	-0.08913	0.05425	0.215723	2.54E-06	-0.0540607	0.24362	-0.29796	4.98E-11
0.01258	-0.12866	0.00536	0.019386	0.67605	-0.315849	2.81E-12	-0.35653	1.92E-15
0.83715	0.148753	0.00126	0.037574	0.41789	-0.4889942	1.92E-29	-0.37881	2.21E-17
0.83058	-0.1454	0.00163	0.019061	0.68118	-0.3862151	4.63E-18	-0.45962	8.73E-26
0.62204	-0.19119	3.20E-05	0.0189	0.68373	-0.4444456	4.97E-24	-0.62614	3.30E-52
0.34163	0.012978	0.77969	0.070686	0.12717	-0.4046777	7.90E-20	-0.56448	1.19E-40
0.12472	0.116829	0.01152	0.10843	0.01909	-0.0906069	0.05037	-0.16989	0.00023
0.45483	0.18279	7.10E-05	0.11833	0.01049	0.32202892	9.94E-13	0.192871	2.71E-05
0.00337	0.064192	0.16608	0.180213	9.00E-05	0.33080524	2.18E-13	0.149239	0.00122
4.13E-05	-0.11988	0.00952	0.095069	0.04001	0.04370586	0.34598	-0.01689	0.71578
0.01576	0.053953	0.24456	0.139578	0.0025	-0.2569215	1.78E-08	-0.27596	1.31E-09
0.20452	-0.07054	0.12795	0.221415	1.35E-06	0.11300126	0.01456	0.067329	0.1463
0.50127	0.18409	6.29E-05	0.308301	9.68E-12	0.48692663	3.56E-29	0.337872	6.20E-14
0.31421	-0.18083	8.51E-05	0.231802	4.08E-07	-0.1915497	3.09E-05	-0.27215	2.25E-09
0.0276	-0.41752	3.99E-21	-0.32208	9.86E-13	-0.3366053	7.79E-14	-0.25395	2.63E-08
0.1048	0.060345	0.193	0.142441	0.00203	-0.2834071	4.48E-10	-0.53151	2.08E-35
0.7705	0.027725	0.55008	0.03391	0.46475	-0.5026962	2.83E-31	-0.54717	7.94E-38
0.0009	-0.00805	0.86224	0.003977	0.93169	-0.3080724	1.00E-11	-0.40107	1.78E-19
0.41214	-0.13068	0.00468	-0.08712	0.05994	-0.3723687	8.31E-17	-0.46996	4.93E-27
0.98354	-0.01819	0.69495	0.085729	0.06416	-0.2856582	3.21E-10	-0.30326	2.17E-11
0.64548	0.079213	0.08728	0.29101	1.44E-10	-0.1029643	0.02608	-0.33679	7.54E-14
0.47043	0.145741	0.00159	0.146948	0.00145	-0.142551	0.00201	-0.21028	4.58E-06
1.68E-06	0.412202	1.40E-20	0.409343	2.71E-20	0.15634165	0.0007	-0.03944	0.39518
0.2644	0.152289	0.00096	-0.07801	0.0922	-0.2574281	1.67E-08	-0.48572	5.10E-29
0.00053	0.385478	5.42E-18	0.232006	3.99E-07	-0.087199	0.05971	-0.31022	7.10E-12
0.0006	0.260848	1.06E-08	0.345681	1.49E-14	0.07324624	0.11394	-0.16447	0.00036
0.44744	0.249306	4.77E-08	0.203891	8.95E-06	0.29906303	4.19E-11	0.163556	0.00039
0.00402	0.411941	1.48E-20	0.390822	1.72E-18	-0.0450828	0.33099	-0.31182	5.47E-12
0.22887	0.440172	1.49E-23	0.351862	4.67E-15	-0.0281942	0.54334	-0.30004	3.60E-11
0.13471	0.269998	3.04E-09	0.219296	1.71E-06	-0.1111054	0.01631	-0.31944	1.54E-12
0.00052	-0.28692	2.67E-10	-0.21432	2.96E-06	0.16643114	0.0003	0.335272	9.89E-14
0.00247	0.3467	1.23E-14	0.503806	1.99E-31	0.3426875	2.59E-14	0.029114	0.53027
0.12003	0.279481	7.93E-10	0.269983	3.04E-09	-0.1662128	0.00031	-0.37693	3.26E-17
0.62304	0.211348	4.08E-06	0.12967	0.00501	0.16841839	0.00026	-0.10501	0.02324
0.00032	0.438284	2.42E-23	0.536423	3.74E-36	0.17688974	0.00012	-0.09625	0.0376
0.02669	0.168812	0.00025	0.181517	7.98E-05	-0.1231163	0.00773	-0.38893	2.58E-18
0.0331	0.137473	0.00291	-0.00785	0.86573	-0.1386508	0.00268	-0.36876	1.73E-16
0.00015	0.223861	1.02E-06	0.44001	1.56E-23	0.16180384	0.00045	-0.07654	0.09853
0.00278	0.568923	2.10E-41	0.421006	1.74E-21	-0.0488049	0.29258	-0.21755	2.08E-06
0.17161	0.467602	9.58E-27	0.400629	1.97E-19	-0.0008006	0.98623	-0.13474	0.00353
0.02092	0.4069	4.76E-20	0.525163	1.83E-34	0.03986159	0.39009	-0.17025	0.00022
0.00704	0.267186	4.48E-09	0.422297	1.27E-21	0.33537766	9.71E-14	0.13012	0.00486



0.27526	0.247583	5.94E-08	0.243364	1.01E-07	-0.2459139	7.33E-08	-0.53667	3.43E-36
0.17033	-0.1613	0.00047	-0.28339	4.49E-10	-0.2012099	1.18E-05	-0.29668	6.07E-11
0.61763	0.288823	2.01E-10	0.151719	0.00101	0.1953957	2.12E-05	-0.00528	0.90937
0.04267	0.322473	9.22E-13	0.057435	0.21539	-0.2629574	7.97E-09	-0.48229	1.41E-28
0.60477	-0.04732	0.30756	-0.20991	4.76E-06	-0.2390651	1.71E-07	-0.43672	3.60E-23
0.97721	0.218556	1.86E-06	0.333265	1.41E-13	0.13488164	0.0035	-0.15677	0.00067
0.3606	0.048467	0.29594	0.139096	0.00259	0.1026413	0.02655	-0.1857	5.40E-05
0.00022	0.069733	0.13239	0.050187	0.27911	-0.0211272	0.64883	-0.16767	0.00027
0.77238	0.118863	0.01014	0.250182	4.27E-08	0.28372863	4.27E-10	0.046155	0.3196
5.32E-05	0.393643	9.28E-19	0.563089	2.03E-40	0.19004874	3.57E-05	-0.03443	0.45789
0.08384	0.365341	3.42E-16	0.191367	3.14E-05	-0.0999942	0.03073	-0.33527	9.90E-14
0.00517	0.273547	1.85E-09	0.30088	3.16E-11	0.22993573	5.08E-07	-0.02572	0.57924
0.00414	0.349491	7.31E-15	0.529523	4.13E-35	0.14912084	0.00123	-0.09841	0.03349
0.01678	0.325444	5.54E-13	0.379446	1.93E-17	0.0196623	0.67171	-0.27336	1.90E-09
0.89374	0.163777	0.00038	0.335043	1.03E-13	0.37492504	4.93E-17	0.06742	0.14575
0.43498	0.15845	0.00059	0.333624	1.33E-13	0.3785836	2.31E-17	0.162221	0.00043
0.07515	0.326801	4.38E-13	0.06103	0.18798	0.11168635	0.01575	-0.02465	0.59517
0.00512	0.388673	2.73E-18	0.334299	1.18E-13	0.08228224	0.07567	-0.14351	0.00188
0.5533	0.295146	7.69E-11	0.275885	1.33E-09	0.20121766	1.18E-05	-0.00134	0.97704
0.00039	0.128351	0.00547	0.27859	9.01E-10	0.03505673	0.44978	-0.2381	1.92E-07
0.00128	0.076444	0.09895	0.064478	0.1642	0.00795409	0.86388	-0.24899	4.97E-08
0.41655	0.500817	5.10E-31	0.460106	7.64E-26	0.27026186	2.93E-09	0.04499	0.33199
0.90477	0.35147	5.03E-15	0.399786	2.38E-19	-0.0107291	0.81713	-0.27558	1.39E-09
0.61142	0.159131	0.00056	0.006965	0.88067	0.15074402	0.00108	-0.00507	0.91307
0.92247	0.404955	7.42E-20	0.536197	4.05E-36	0.50472454	1.49E-31	0.247168	6.26E-08
1.27E-07	0.0929	0.0448	0.01079	0.81611	-0.2237034	1.04E-06	-0.40334	1.07E-19
0.42857	0.319484	1.53E-12	0.325031	5.95E-13	0.2103201	4.56E-06	0.051156	0.26992
2.80E-06	0.228632	5.92E-07	0.393669	9.23E-19	-0.0138769	0.76487	-0.34067	3.74E-14
0.08025	0.269098	3.44E-09	0.257082	1.74E-08	0.2468509	6.52E-08	0.053594	0.24772
0.06286	0.309237	8.32E-12	0.355289	2.43E-15	0.15687982	0.00067	-0.14352	0.00187
0.02923	0.479403	3.28E-28	0.60227	1.96E-47	0.11031491	0.01709	-0.13059	0.00471
0.00015	0.448978	1.52E-24	0.218014	1.97E-06	-0.3194455	1.54E-12	-0.47473	1.27E-27
0.0021	0.114972	0.01291	0.120908	0.00891	-0.0805522	0.08205	-0.36368	4.75E-16
0.7447	0.396861	4.57E-19	0.521923	5.46E-34	0.09639033	0.03732	-0.16379	0.00038
0.00419	0.363893	4.55E-16	0.54157	6.02E-37	0.218726	1.82E-06	-0.06469	0.16282
0.03513	0.291524	1.34E-10	0.229518	5.34E-07	-0.0567966	0.22054	-0.32791	3.62E-13
0.01302	0.492178	7.31E-30	0.526688	1.09E-34	0.09555475	0.039	-0.17127	0.0002
9.71E-06	0.231182	4.39E-07	0.272698	2.08E-09	0.15959889	0.00054	-0.01326	0.77497
0.957	0.201879	1.10E-05	-0.00231	0.96027	-0.1148378	0.01302	-0.29359	9.76E-11
0.99537	0.271028	2.63E-09	0.40591	5.97E-20	0.23012023	4.98E-07	-0.03442	0.45811
0.84578	0.46243	4.03E-26	0.393237	1.01E-18	0.39372571	9.11E-19	0.145664	0.0016
0.00194	0.196628	1.87E-05	0.308984	8.67E-12	0.10402904	0.02457	-0.19698	1.81E-05
0.16508	0.060024	0.19538	-0.00728	0.87537	-0.1892832	3.84E-05	-0.4945	3.60E-30
0.0226	0.396331	5.14E-19	0.446322	3.04E-24	0.26868507	3.64E-09	0.029581	0.52369
0.64087	0.428046	3.14E-22	0.340701	3.72E-14	0.18314771	6.86E-05	-0.02529	0.58561

0.03655	0.224386	9.65E-07	0.039321	0.39656	-0.1558246	0.00073	-0.37221	8.58E-17
3.82E-06	0.099684	0.03126	0.097347	0.03546	0.20214097	1.07E-05	0.116762	0.01157
0.83479	0.409477	2.63E-20	0.331633	1.89E-13	0.03066398	0.50859	-0.2389	1.74E-07
0.01992	0.291568	1.33E-10	0.265694	5.49E-09	0.06927873	0.13494	-0.08764	0.05844
0.00431	0.522299	4.82E-34	0.415365	6.65E-21	-0.0373227	0.42101	-0.26709	4.54E-09
0.91646	0.258144	1.52E-08	0.4425	8.22E-24	0.27387251	1.77E-09	0.074174	0.10942
0.07904	0.208586	5.48E-06	0.276557	1.21E-09	0.10587377	0.02212	-0.13342	0.00387
0.54118	0.228031	6.35E-07	-0.03369	0.4676	-0.206229	7.02E-06	-0.26043	1.12E-08
0.34677	0.22598	8.04E-07	0.334575	1.12E-13	0.38899755	2.55E-18	0.254573	2.42E-08
0.97855	0.037286	0.42147	0.013585	0.76968	0.0320073	0.49019	-0.10163	0.02808
0.45123	0.298416	4.64E-11	0.203593	9.23E-06	-0.0921066	0.04666	-0.33926	4.82E-14
0.23459	0.284459	3.84E-10	0.442337	8.57E-24	0.35375323	3.26E-15	0.159943	0.00052
0.32954	0.45406	3.93E-25	0.482948	1.16E-28	0.25740739	1.67E-08	-0.01601	0.73005
0.25742	-0.10963	0.01779	0.028854	0.53394	-0.2339021	3.18E-07	-0.54192	5.30E-37
0.88384	0.447702	2.12E-24	0.441912	9.56E-24	0.18826417	4.24E-05	0.007404	0.87321
0.80716	0.203372	9.44E-06	-0.04591	0.32214	0.18606267	5.22E-05	-0.02393	0.60604
0.9329	0.135892	0.00326	0.210695	4.38E-06	0.20062953	1.25E-05	-0.02488	0.59169
0.27284	0.005241	0.91006	0.049797	0.28287	0.1698151	0.00023	-0.00249	0.95717
0.03934	0.438016	2.59E-23	0.422524	1.20E-21	0.32283385	8.67E-13	0.224765	9.24E-07
0.01785	0.4528	5.50E-25	0.397602	3.88E-19	0.25099421	3.85E-08	0.129957	0.00491
0.26792	0.179912	9.25E-05	0.134185	0.00367	-0.1503289	0.00112	-0.35685	1.80E-15
0.01266	0.17075	0.00021	0.314002	3.82E-12	-0.0038916	0.93316	-0.28759	2.41E-10
0.56647	0.19595	2.00E-05	0.266425	4.97E-09	-0.0664918	0.15139	-0.40474	7.79E-20
0.06232	0.372423	8.22E-17	0.57509	1.82E-42	0.10294992	0.0261	-0.09646	0.03719
0.20528	0.284238	3.96E-10	0.227696	6.60E-07	-0.1970696	1.79E-05	-0.4452	4.08E-24
0.05409	0.424276	7.88E-22	0.476998	6.60E-28	0.23958312	1.61E-07	-0.05997	0.19576
0.10018	0.051542	0.26632	-0.01402	0.76246	-0.0386175	0.40507	-0.2646	6.38E-09
9.07E-37	0.100618	0.0297	-0.04747	0.30598	-0.2994065	3.97E-11	-0.45543	2.72E-25
0.61499	0.258472	1.45E-08	0.021543	0.64239	-0.376112	3.86E-17	-0.56373	1.58E-40
0.58058	0.155387	0.00075	0.162034	0.00044	-0.2430294	1.05E-07	-0.49338	5.07E-30
0.72471	0.315355	3.05E-12	0.325917	5.11E-13	-0.0471166	0.30961	-0.2721	2.27E-09
0.69934	0.180528	8.74E-05	0.402682	1.24E-19	0.2795503	7.85E-10	0.004756	0.91836
6.32E-05	0.445674	3.61E-24	0.292717	1.11E-10	-0.2255244	8.47E-07	-0.4678	9.05E-27
0.73435	0.088456	0.05611	0.100189	0.03041	-0.0030781	0.94711	-0.26192	9.16E-09
0.98396	0.178571	0.0001	0.077476	0.09447	0.12251685	0.00804	-0.16706	0.00029
0.15953	0.399681	2.44E-19	0.347542	1.05E-14	-0.060808	0.1896	-0.30877	8.97E-12
0.94232	0.118783	0.0102	0.113756	0.01391	-0.2590145	1.35E-08	-0.53362	9.98E-36
0.77975	0.023584	0.6112	0.081373	0.07897	-0.1427816	0.00198	-0.37929	2.00E-17
0.98101	0.097705	0.03479	0.107064	0.02066	-0.1626297	0.00042	-0.38366	7.97E-18
0.16189	0.502894	2.65E-31	0.274489	1.62E-09	-0.0896226	0.05293	-0.29175	1.29E-10
0.69165	0.418875	2.89E-21	0.283348	4.52E-10	-0.0439065	0.34377	-0.3131	4.43E-12
0.06475	0.451429	7.93E-25	0.47907	3.61E-28	0.0278191	0.54872	-0.19312	2.65E-05
1.49E-05	0.104918	0.02336	-0.08903	0.05453	-0.3993883	2.60E-19	-0.55722	1.90E-39
0.07754	0.474246	1.46E-27	0.153267	0.00089	-0.1004905	0.02991	-0.34211	2.88E-14
0.00027	0.203348	9.47E-06	0.081679	0.07785	-0.3162613	2.62E-12	-0.53633	3.87E-36

0.00168	0.317764	2.04E-12	0.360914	8.18E-16	-0.1151139	0.0128	-0.395	6.90E-19
0.11254	0.09656	0.03698	0.088985	0.05465	-0.1105063	0.0169	-0.35999	9.81E-16
0.88386	0.118326	0.01049	0.066241	0.15294	-0.2817617	5.70E-10	-0.53992	1.09E-36
0.03589	0.579417	3.16E-43	0.228495	6.01E-07	-0.1158893	0.01221	-0.329	2.99E-13
0.49044	0.294107	9.02E-11	0.037275	0.4216	-0.0069653	0.88067	-0.20725	6.31E-06
0.07852	0.121675	0.00848	0.223133	1.11E-06	-0.1344808	0.0036	-0.42176	1.45E-21
0.19609	0.289656	1.77E-10	0.107943	0.01964	-0.2362747	2.40E-07	-0.46275	3.69E-26
0.37613	0.296689	6.06E-11	0.057089	0.21817	-0.3222894	9.51E-13	-0.46784	8.95E-27
0.67518	0.280814	6.54E-10	0.17483	0.00015	-0.2623143	8.69E-09	-0.53071	2.75E-35
0.01066	0.438315	2.40E-23	0.451642	7.49E-25	0.03864559	0.40473	-0.15103	0.00106
0.86003	0.051424	0.26741	0.02286	0.6222	-0.3371811	7.03E-14	-0.52692	1.01E-34
0.34399	0.404685	7.89E-20	0.418377	3.26E-21	-0.0380882	0.41154	-0.30528	1.57E-11
0.39924	-0.01744	0.70692	-0.00963	0.83566	-0.2587766	1.39E-08	-0.46177	4.83E-26
0.6441	0.45768	1.48E-25	0.302734	2.36E-11	0.06083461	0.18941	-0.12887	0.00528
0.01662	0.183968	6.36E-05	0.263752	7.16E-09	-0.0600265	0.19536	-0.36426	4.23E-16
0.83389	0.158807	0.00057	0.200777	1.23E-05	-0.2578897	1.57E-08	-0.50829	4.78E-32
0.21803	0.294488	8.50E-11	0.223372	1.08E-06	-0.0452828	0.32884	-0.34815	9.40E-15
0.2292	-0.01466	0.75201	0.104668	0.02369	-0.0519398	0.26264	-0.33621	8.36E-14
0.98317	0.514983	5.46E-33	0.414297	8.55E-21	-0.0559904	0.22718	-0.26728	4.42E-09
0.15216	0.028697	0.53617	0.165315	0.00033	-0.1277457	0.0057	-0.35913	1.16E-15
0.88482	0.165177	0.00034	0.114597	0.01321	-0.2907473	1.50E-10	-0.55194	1.38E-38
0.02508	0.013609	0.76928	0.058264	0.20883	-0.2195681	1.66E-06	-0.50242	3.08E-31
0.00374	0.209983	4.72E-06	0.101701	0.02798	-0.3668501	2.53E-16	-0.56824	2.75E-41
5.46E-07	0.15997	0.00052	0.230928	4.53E-07	-0.2690368	3.47E-09	-0.50182	3.73E-31
0.00115	0.327854	3.65E-13	0.22282	1.15E-06	-0.3162001	2.65E-12	-0.43559	4.79E-23
0.66401	0.258967	1.36E-08	0.093438	0.04357	-0.2481592	5.52E-08	-0.41805	3.52E-21
0.33462	0.17839	0.00011	0.494796	3.29E-30	0.06815789	0.14138	-0.18756	4.53E-05
0.00466	0.238131	1.92E-07	0.210626	4.41E-06	-0.1037432	0.02496	-0.3604	9.04E-16
0.56035	0.248215	5.48E-08	0.343864	2.08E-14	-0.1015032	0.02829	-0.405	7.34E-20
0.2634	0.248939	5.00E-08	0.421935	1.39E-21	0.17616658	0.00013	-0.18168	7.86E-05
0.37885	0.325549	5.44E-13	0.286043	3.04E-10	-0.2545382	2.43E-08	-0.44976	1.23E-24
0.03184	0.150976	0.00107	0.197234	1.76E-05	-0.3299683	2.53E-13	-0.61984	6.59E-51
0.75989	0.428826	2.59E-22	0.57927	3.35E-43	0.08143294	0.07875	-0.12119	0.00875
0.00022	0.417242	4.27E-21	0.440212	1.48E-23	-0.1212694	0.00871	-0.3813	1.31E-17
0.33759	0.239281	1.67E-07	0.140955	0.00226	-0.2662524	5.09E-09	-0.53438	7.66E-36
0.22581	0.218131	1.95E-06	0.355253	2.45E-15	-0.1169145	0.01146	-0.43984	1.63E-23
0.43094	0.449195	1.43E-24	0.077747	0.09331	-0.3093486	8.17E-12	-0.46949	5.63E-27
0.08352	0.35765	1.54E-15	0.227952	6.41E-07	-0.1226734	0.00796	-0.2965	6.24E-11
0.00134	0.02872	0.53584	0.042643	0.35785	-0.2898071	1.73E-10	-0.52093	7.62E-34
0.5415	0.093697	0.04299	0.062372	0.17844	-0.3247068	6.29E-13	-0.46625	1.40E-26
0.05623	0.224652	9.36E-07	0.248232	5.47E-08	-0.0441914	0.34065	-0.31902	1.65E-12
0.18123	0.023654	0.61014	0.112912	0.01463	-0.3476754	1.03E-14	-0.63471	5.04E-54
0.00181	0.320644	1.26E-12	0.299329	4.02E-11	-0.3242533	6.80E-13	-0.52237	4.70E-34
0.33526	0.002567	0.95589	-0.06106	0.18774	-0.2847259	3.69E-10	-0.54334	3.19E-37
0.08774	0.232645	3.70E-07	0.237187	2.15E-07	-0.1561621	0.00071	-0.46662	1.26E-26

0.8221	-0.00394	0.93237	0.113436	0.01418	-0.2492152	4.83E-08	-0.56326	1.90E-40
0.00027	0.14319	0.00192	0.237766	2.00E-07	-0.2446413	8.60E-08	-0.53321	1.15E-35
0.96534	0.172621	0.00018	0.278721	8.85E-10	-0.0537193	0.24662	-0.39734	4.10E-19
0.459	0.232535	3.75E-07	0.487328	3.16E-29	0.11882821	0.01017	-0.17488	0.00015
0.69386	0.101625	0.0281	0.017301	0.70922	-0.3042192	1.86E-11	-0.57756	6.71E-43
0.94322	0.441809	9.82E-24	0.246844	6.52E-08	-0.1860223	5.24E-05	-0.43002	1.93E-22
0.02108	-0.15825	0.0006	-0.06009	0.1949	0.3562805	2.01E-15	0.575003	1.88E-42
0.60186	0.184598	5.99E-05	0.016847	0.71651	-0.2058234	7.32E-06	-0.3883	2.96E-18
0.12905	0.097063	0.036	0.017101	0.71243	-0.2202051	1.55E-06	-0.46157	5.10E-26
0.16944	0.444343	5.10E-24	0.259678	1.24E-08	-0.233932	3.17E-07	-0.44724	2.39E-24
0.05967	0.341142	3.43E-14	0.431275	1.41E-22	-0.1809763	8.39E-05	-0.39603	5.49E-19
0.93367	0.191166	3.20E-05	-0.00878	0.84998	-0.2476564	5.89E-08	-0.46534	1.80E-26
0.41204	0.356981	1.76E-15	0.481867	1.60E-28	0.08555024	0.06472	-0.16322	0.0004
0.57656	0.007707	0.86807	0.025332	0.58503	-0.2542061	2.54E-08	-0.56206	3.02E-40
0.17678	0.191529	3.09E-05	0.316809	2.40E-12	-0.1321629	0.00422	-0.44016	1.50E-23
0.03548	0.393874	8.82E-19	0.555531	3.60E-39	0.11360629	0.01403	-0.11158	0.01585
0.03462	0.504926	1.40E-31	0.457739	1.46E-25	0.00679342	0.88359	-0.24348	9.93E-08
0.55759	0.287325	2.51E-10	0.285569	3.26E-10	-0.0535277	0.24831	-0.34324	2.34E-14
0.63936	0.196398	1.92E-05	0.094535	0.04115	-0.088227	0.05675	-0.36157	7.19E-16
0.02229	0.24575	7.48E-08	0.249669	4.56E-08	-0.3061375	1.37E-11	-0.57191	6.45E-42
0.05607	0.282718	4.95E-10	0.327735	3.73E-13	-0.1690909	0.00024	-0.4493	1.39E-24
0.00253	0.477864	5.13E-28	0.600884	3.60E-47	0.16666087	0.0003	-0.02726	0.55672
0.56677	0.213464	3.25E-06	0.320468	1.30E-12	-0.0245526	0.59664	-0.33939	4.72E-14
0.61731	0.066517	0.15124	0.039167	0.39841	-0.279161	8.30E-10	-0.55034	2.48E-38
0.91474	0.049515	0.28561	0.067867	0.14309	0.16454219	0.00036	-0.11409	0.01363
0.14489	0.07621	0.09999	0.081523	0.07842	-0.2273085	6.90E-07	-0.47682	6.95E-28
0.63779	0.190939	3.27E-05	0.284682	3.71E-10	0.0425558	0.35883	-0.24152	1.27E-07
0.00817	0.403906	9.41E-20	0.431758	1.25E-22	0.13269329	0.00407	-0.12895	0.00526
0.01556	0.279694	7.69E-10	0.22502	8.98E-07	-0.0401184	0.38704	-0.36482	3.79E-16
0.03487	0.146408	0.00151	0.196923	1.82E-05	-0.0894529	0.05339	-0.39616	5.33E-19
0.09573	0.429927	1.97E-22	0.358862	1.22E-15	-0.1835976	6.58E-05	-0.46899	6.49E-27
0.03167	0.423056	1.06E-21	0.079134	0.0876	-0.1678201	0.00027	-0.3008	3.20E-11
0.75829	0.01079	0.8161	0.053309	0.25025	-0.2948131	8.09E-11	-0.60967	7.18E-49
0.59526	0.292242	1.20E-10	0.440493	1.38E-23	0.17856557	0.0001	-0.05614	0.22595
0.05597	0.161758	0.00045	0.417757	3.78E-21	-0.1027946	0.02633	-0.40746	4.18E-20
0.0569	0.274985	1.51E-09	0.069806	0.13199	-0.0956742	0.03876	-0.29493	7.95E-11
0.2784	0.181684	7.86E-05	0.262584	8.38E-09	0.05596321	0.2274	-0.304	1.93E-11
0.28831	0.30718	1.16E-11	0.070915	0.12594	-0.3263896	4.71E-13	-0.51106	1.96E-32
0.02912	0.37367	6.37E-17	0.267156	4.50E-09	-0.0853262	0.06543	-0.36666	2.63E-16
0.01715	0.321725	1.05E-12	0.409702	2.50E-20	0.16970511	0.00023	-0.08753	0.05874
0.12763	0.408418	3.36E-20	0.30694	1.21E-11	0.12546029	0.00663	-0.03926	0.3973
0.31107	0.310253	7.05E-12	0.267215	4.46E-09	-0.1897632	3.67E-05	-0.43139	1.37E-22
0.24602	0.126071	0.00637	0.111163	0.01625	-0.1995069	1.40E-05	-0.43542	5.00E-23
0.82435	0.316814	2.39E-12	0.083578	0.07116	-0.3482981	9.14E-15	-0.55443	5.44E-39
0.42469	0.237763	2.00E-07	0.127508	0.00579	-0.1224296	0.00808	-0.41201	1.46E-20

0.00052	0.295631	7.14E-11	0.287472	2.46E-10	-0.1467779	0.00147	-0.4023	1.35E-19
0.49349	0.365586	3.25E-16	0.142965	0.00195	-0.0115838	0.80285	-0.20823	5.69E-06
0.15371	0.091331	0.04855	0.216955	2.22E-06	0.0471342	0.30943	-0.32809	3.51E-13
0.06648	0.18779	4.43E-05	0.159984	0.00052	0.01053836	0.82032	-0.30457	1.76E-11
0.02642	0.239614	1.60E-07	0.047204	0.30872	-0.2869671	2.65E-10	-0.52881	5.28E-35
0.30221	0.440633	1.33E-23	0.423033	1.07E-21	-0.1784103	0.00011	-0.39949	2.55E-19
0.59933	0.109839	0.01757	0.199134	1.46E-05	-0.0888667	0.05497	-0.36402	4.44E-16
0.70384	0.229099	5.61E-07	0.271296	2.54E-09	-0.0475767	0.30491	-0.33104	2.09E-13
0.04132	0.149876	0.00116	0.068672	0.1384	-0.2365243	2.33E-07	-0.51908	1.41E-33
0.97606	0.389532	2.27E-18	0.108178	0.01937	-0.2285169	6.00E-07	-0.38032	1.61E-17
0.12992	0.303843	1.98E-11	0.503926	1.92E-31	0.12626825	0.00629	-0.20241	1.04E-05
0.34773	0.270986	2.65E-09	0.264271	6.67E-09	-0.1707109	0.00021	-0.42356	9.37E-22
0.17034	0.119686	0.00963	0.03667	0.42918	-0.3334592	1.37E-13	-0.54659	9.81E-38
0.10366	0.29187	1.27E-10	0.407808	3.86E-20	0.15445514	0.00081	-0.09913	0.03221
0.01614	0.275358	1.43E-09	0.084465	0.0682	-0.1795713	9.54E-05	-0.42068	1.88E-21
0.84961	0.074263	0.10899	0.310964	6.28E-12	-0.0104031	0.82259	-0.35085	5.66E-15
0.66064	0.303211	2.19E-11	0.312442	4.93E-12	0.02464424	0.59527	-0.25518	2.24E-08
0.69939	0.165239	0.00034	0.176969	0.00012	-0.2428238	1.08E-07	-0.47804	4.88E-28
0.77904	-0.0229	0.62156	-0.03798	0.41286	-0.3165736	2.49E-12	-0.48882	2.02E-29
0.35218	0.363813	4.63E-16	0.507452	6.25E-32	0.47634745	7.96E-28	0.171457	0.0002
0.19135	0.023931	0.60596	0.178949	0.0001	-0.0638491	0.16836	-0.30196	2.66E-11
0.00169	0.155646	0.00074	0.101311	0.02859	-0.2232755	1.09E-06	-0.42493	6.72E-22
0.06053	0.000834	0.98565	0.039025	0.40013	-0.2892837	1.87E-10	-0.55357	7.51E-39
0.30032	0.141986	0.0021	0.038796	0.4029	-0.1837851	6.47E-05	-0.18127	8.17E-05
0.83372	0.346556	1.27E-14	0.142439	0.00203	-0.1851498	5.69E-05	-0.13011	0.00486
0.00666	0.296233	6.50E-11	0.37248	8.12E-17	-0.0593654	0.20034	0.00801	0.86294
0.01534	-0.07828	0.09108	0.212732	3.52E-06	0.64118794	1.95E-55	0.414338	8.47E-21
0.25898	0.608961	9.88E-49	0.569008	2.03E-41	-0.0144079	0.75615	0.008823	0.84918
0.00058	0.333446	1.37E-13	0.126305	0.00627	-0.4214049	1.58E-21	-0.32495	6.04E-13
0.02284	0.310954	6.29E-12	0.306527	1.29E-11	-0.2287157	5.86E-07	-0.2515	3.61E-08
0.01453	0.247549	5.97E-08	0.015723	0.73469	-0.4986997	9.86E-31	-0.3938	8.96E-19
0.01141	0.400232	2.16E-19	0.348207	9.30E-15	-0.3172631	2.22E-12	-0.2557	2.09E-08
0.04284	-0.20914	5.17E-06	0.077315	0.09515	0.35638242	1.97E-15	0.07801	0.09221
0.09245	0.561536	3.69E-40	0.373801	6.20E-17	-0.0848176	0.06705	0.030438	0.51173
0.57944	0.44147	1.07E-23	0.266654	4.82E-09	-0.0903294	0.05108	0.047991	0.30071
0.00088	0.039702	0.39199	0.193546	2.54E-05	-0.112697	0.01482	-0.05326	0.2507
0.00163	0.623263	1.31E-51	0.369169	1.59E-16	-0.0811007	0.07998	0.098087	0.03408
0.07335	0.21489	2.78E-06	0.436215	4.09E-23	-0.0061964	0.89376	-0.03829	0.40902
0.00371	0.469346	5.87E-27	0.250669	4.01E-08	-0.0509917	0.27146	0.212038	3.79E-06
0.01389	0.389038	2.52E-18	0.337678	6.43E-14	-0.2883208	2.16E-10	-0.22775	6.56E-07
0.97109	0.376502	3.56E-17	0.238077	1.93E-07	-0.240019	1.52E-07	-0.11004	0.01736
0.03786	0.298323	4.71E-11	0.307519	1.10E-11	-0.3497655	6.94E-15	-0.4025	1.29E-19
0.06949	0.308345	9.61E-12	0.152192	0.00097	-0.3811662	1.35E-17	-0.29644	6.30E-11
0.51142	0.297923	5.01E-11	0.10136	0.02851	-0.4016561	1.57E-19	-0.26625	5.09E-09
0.85098	0.312414	4.95E-12	0.340612	3.78E-14	-0.1562047	0.00071	-0.05763	0.21386

0.00452	0.240808	1.38E-07	0.038814	0.40268	-0.4603023	7.24E-26	-0.36818	1.94E-16
0.45874	0.437611	2.87E-23	0.186408	5.05E-05	-0.2141467	3.02E-06	-0.05392	0.24484
0.07916	0.298641	4.48E-11	0.13085	0.00462	-0.4464344	2.96E-24	-0.28221	5.34E-10
2.40E-05	0.392362	1.23E-18	0.075654	0.1025	-0.3005228	3.34E-11	-0.18449	6.06E-05
0.46209	0.417196	4.31E-21	0.22543	8.56E-07	-0.1377524	0.00285	0.024949	0.59072
0.85046	0.617555	1.92E-50	0.328843	3.08E-13	-0.0423178	0.36153	0.155613	0.00074
0.01963	0.282423	5.17E-10	0.244208	9.07E-08	-0.2345329	2.95E-07	-0.15611	0.00071
0.30928	0.521705	5.88E-34	0.349397	7.44E-15	0.06765002	0.14438	0.228703	5.87E-07
0.00055	0.567636	3.48E-41	0.223882	1.02E-06	-0.3631297	5.29E-16	-0.23767	2.02E-07
0.0171	0.493888	4.34E-30	0.297765	5.13E-11	-0.1055917	0.02248	0.058978	0.20329
0.05916	0.611302	3.42E-49	0.546337	1.08E-37	0.1108985	0.01651	0.181105	8.29E-05
0.60143	0.2412	1.32E-07	0.543277	3.26E-37	0.05206517	0.26149	0.056133	0.22599
0.00395	0.566803	4.82E-41	0.298795	4.37E-11	0.10205069	0.02744	0.30705	1.18E-11
0.11205	0.075535	0.10304	0.225147	8.85E-07	-0.2451729	8.04E-08	-0.18982	3.65E-05
0.00173	0.445716	3.57E-24	0.4221	1.33E-21	0.00360554	0.93806	-0.02806	0.54525
0.00042	0.405339	6.80E-20	0.233802	3.22E-07	-0.1580545	0.00061	-0.0892	0.05405
0.00555	0.41752	3.99E-21	0.445486	3.79E-24	-0.1486301	0.00128	-0.06001	0.19548
0.23561	0.402387	1.33E-19	0.377269	3.04E-17	-0.1623973	0.00043	-0.04775	0.30316
0.06156	0.184143	6.26E-05	0.22357	1.06E-06	-0.3104427	6.84E-12	-0.3085	9.37E-12
0.65353	0.453257	4.87E-25	0.314295	3.64E-12	-0.1286762	0.00536	0.008997	0.84624
0.00148	0.643154	7.17E-56	0.486704	3.81E-29	-0.0126715	0.78477	0.075193	0.10462
0.02238	0.240824	1.38E-07	0.01433	0.75743	-0.1845948	6.00E-05	-0.01674	0.7182
0.07781	0.393782	9.00E-19	0.1519	0.00099	-0.396165	5.33E-19	-0.30943	8.07E-12
0.6714	0.191572	3.08E-05	0.058946	0.20354	-0.3826008	9.97E-18	-0.27627	1.26E-09
0.61148	0.250564	4.06E-08	0.325123	5.86E-13	-0.2322103	3.89E-07	-0.17929	9.79E-05
0.00656	0.254095	2.58E-08	0.050285	0.27816	-0.517008	2.80E-33	-0.47201	2.76E-27
6.74E-05	0.207223	6.32E-06	0.004474	0.92318	-0.5707659	1.02E-41	-0.57804	5.52E-43
0.00325	0.26056	1.10E-08	0.339389	4.72E-14	-0.0349148	0.45162	0.117828	0.01082
0.0023	-0.24751	6.00E-08	-0.22302	1.13E-06	0.27064574	2.78E-09	0.072475	0.11781
0.00779	0.343052	2.42E-14	0.132236	0.0042	-0.2673269	4.39E-09	-0.01338	0.77297
0.00123	0.295024	7.83E-11	-0.0469	0.31185	-0.2257132	8.29E-07	-0.06386	0.16832
0.72153	0.570683	1.05E-41	0.277008	1.13E-09	-0.0333428	0.47226	0.135495	0.00335
0.00137	0.350411	6.15E-15	0.384359	6.87E-18	-0.1519887	0.00098	-0.22539	8.60E-07
0.64405	0.160854	0.00048	0.174696	0.00015	-0.0751275	0.10492	-0.04251	0.35937
0.00959	0.28083	6.52E-10	0.00203	0.9651	-0.4635734	2.94E-26	-0.3322	1.71E-13
0.00011	0.526871	1.03E-34	0.22328	1.09E-06	-0.2794085	8.01E-10	-0.09033	0.05108
0.70154	0.223298	1.09E-06	0.384704	6.39E-18	-0.1867389	4.90E-05	-0.18412	6.27E-05
3.94E-05	0.278305	9.39E-10	0.420357	2.03E-21	-0.291287	1.38E-10	-0.36124	7.67E-16
0.05597	0.297789	5.11E-11	0.114477	0.01331	-0.257539	1.64E-08	-0.1522	0.00097
0.09069	0.604944	5.99E-48	0.426548	4.53E-22	0.01330836	0.77424	0.220828	1.44E-06
0.3106	0.341574	3.17E-14	0.167579	0.00028	-0.3935215	9.53E-19	-0.38929	2.39E-18
0.04835	0.476636	7.32E-28	0.186134	5.19E-05	-0.0595284	0.1991	0.152839	0.00092
0.79857	0.479499	3.19E-28	0.503962	1.90E-31	0.03254813	0.48288	0.08368	0.07082
0.26548	0.32756	3.84E-13	0.408126	3.59E-20	0.02363788	0.61039	-0.00484	0.91696
0.00112	0.504355	1.67E-31	0.434068	7.03E-23	-0.0492274	0.28841	0.13917	0.00258

0.00028	0.407678	3.98E-20	0.177717	0.00011	-0.2973352	5.49E-11	-0.20318	9.64E-06
7.18E-06	0.615009	6.25E-50	0.700007	5.37E-70	-0.0075288	0.8711	-0.06256	0.17711
0.00549	0.298008	4.94E-11	0.204109	8.75E-06	-0.2585797	1.43E-08	-0.18799	4.35E-05
0.00637	0.521139	7.10E-34	0.217274	2.14E-06	-0.2696788	3.18E-09	-0.14131	0.00221
9.76E-08	-0.28617	2.98E-10	0.11542	0.01256	0.42846358	2.83E-22	0.232581	3.72E-07
0.84638	0.345575	1.52E-14	0.191509	3.10E-05	-0.0197333	0.67059	0.030396	0.5123
0.00774	0.263518	7.39E-09	0.339415	4.69E-14	-0.1683271	0.00026	-0.04327	0.35086
0.0141	0.340136	4.12E-14	-0.00186	0.96808	-0.3701283	1.31E-16	-0.1808	8.53E-05
0.11634	0.173071	0.00017	0.300764	3.21E-11	-0.1935741	2.53E-05	-0.23607	2.46E-07
0.66271	0.38885	2.63E-18	0.019328	0.67697	-0.2409122	1.36E-07	-0.13229	0.00419
0.33142	0.569372	1.76E-41	0.377484	2.91E-17	-0.1032323	0.02569	-0.01421	0.75939
0.23853	0.336651	7.73E-14	0.333479	1.36E-13	0.05105723	0.27085	0.126571	0.00616
0.00035	0.207536	6.12E-06	0.070004	0.13089	-0.3598131	1.01E-15	-0.23754	2.06E-07
0.6592	0.540908	7.63E-37	0.433524	8.05E-23	-0.1215255	0.00857	-0.03567	0.4419
0.0247	0.218275	1.92E-06	0.299282	4.05E-11	-0.3190302	1.65E-12	-0.20069	1.24E-05
0.30368	0.578615	4.37E-43	0.636386	2.19E-54	0.21606184	2.45E-06	0.171719	0.00019
0.00623	0.354654	2.75E-15	0.214057	3.05E-06	-0.148753	0.00126	-0.04377	0.34531
0.0014	0.353582	3.37E-15	0.283464	4.44E-10	-0.0877885	0.058	0.009785	0.83297
0.00314	0.094766	0.04066	0.351614	4.90E-15	-0.0210548	0.64995	0.004175	0.92831
0.1375	0.056487	0.22307	0.260595	1.09E-08	-0.2221874	1.24E-06	-0.18179	7.79E-05
0.07537	0.487451	3.04E-29	0.377243	3.05E-17	-0.2235954	1.06E-06	-0.20166	1.13E-05
0.00126	0.318591	1.78E-12	0.367034	2.44E-16	-0.1485481	0.00128	-0.10275	0.0264
9.23E-05	0.337398	6.76E-14	0.121962	0.00833	-0.3759962	3.95E-17	-0.36294	5.50E-16
0.28313	0.468373	7.71E-27	0.24841	5.35E-08	-0.2819525	5.54E-10	-0.19751	1.71E-05
0.00145	0.5599	6.90E-40	0.355954	2.14E-15	0.00610579	0.8953	0.192548	2.80E-05
0.63188	0.556236	2.76E-39	0.471644	3.06E-27	-0.0154982	0.73835	0.126397	0.00624
0.00066	0.583293	6.44E-44	0.522481	4.53E-34	-0.0399961	0.38849	-0.05531	0.23288
0.00742	0.477631	5.49E-28	0.284856	3.62E-10	-0.2231376	1.11E-06	-0.14006	0.00242
0.05678	0.548396	5.08E-38	0.156647	0.00068	-0.2740517	1.72E-09	-0.18018	9.03E-05
0.20912	0.632322	1.64E-53	0.495317	2.80E-30	0.16251409	0.00042	0.239427	1.64E-07
0.06091	0.272355	2.19E-09	0.487888	2.67E-29	-0.0519361	0.26267	-0.17679	0.00012
0.00969	0.449699	1.25E-24	0.522322	4.78E-34	0.00689498	0.88187	-0.03264	0.48166
0.70304	0.233067	3.52E-07	0.137038	0.003	-0.2957286	7.03E-11	-0.12231	0.00815
0.03972	0.353084	3.71E-15	0.159559	0.00054	-0.2083815	5.60E-06	-0.0019	0.96734
0.05561	0.33771	6.39E-14	0.175899	0.00013	-0.1536671	0.00086	-0.11731	0.01118
8.01E-06	0.190011	3.58E-05	0.07454	0.10767	-0.4151623	6.98E-21	-0.32693	4.29E-13
0.01265	0.437829	2.72E-23	0.206785	6.62E-06	-0.3673809	2.28E-16	-0.29499	7.88E-11
0.74601	0.292855	1.09E-10	0.206037	7.16E-06	-0.1093232	0.01812	0.10365	0.0251
0.30158	0.162503	0.00042	0.334997	1.04E-13	0.08699804	0.0603	0.137167	0.00297
0.91926	0.397791	3.72E-19	0.431954	1.19E-22	0.19374313	2.49E-05	0.171047	0.0002
0.01194	0.511349	1.78E-32	0.356037	2.11E-15	-0.0061793	0.89405	0.086072	0.0631
0.97727	0.327337	4.00E-13	0.15218	0.00097	-0.2798678	7.50E-10	-0.20447	8.43E-06
0.01675	0.354388	2.89E-15	0.104297	0.0242	-0.0471996	0.30876	0.07007	0.13053
0.02831	0.442506	8.20E-24	0.272043	2.28E-09	-0.0952839	0.03956	0.110234	0.01717
0.01322	0.615789	4.35E-50	0.439348	1.85E-23	-0.063659	0.16963	0.044468	0.33762

0.05092	0.255355	2.19E-08	0.05186	0.26337	-0.3217552	1.04E-12	-0.17036	0.00022
0.36688	0.637896	1.03E-54	0.378988	2.13E-17	0.1899945	3.59E-05	0.317644	2.08E-12
0.47516	0.500633	5.40E-31	0.543463	3.05E-37	0.16614778	0.00031	0.282276	5.28E-10
0.80342	0.53207	1.71E-35	0.426817	4.24E-22	0.1543268	0.00082	0.20296	9.85E-06
0.03486	0.723207	9.07E-77	0.598393	1.07E-46	0.15256384	0.00094	0.246414	6.88E-08
0.11272	0.290084	1.66E-10	0.052942	0.25353	-0.2717396	2.38E-09	-0.2058	7.34E-06
0.01238	0.397832	3.68E-19	0.075277	0.10423	-0.2618686	9.22E-09	-0.1227	0.00794
0.34822	0.457852	1.41E-25	0.468428	7.60E-27	-0.0648836	0.16155	0.055615	0.23031
0.0205	0.620765	4.26E-51	0.466468	1.32E-26	0.01089629	0.81433	0.116819	0.01152
0.00091	0.357042	1.74E-15	0.150679	0.00109	-0.3060594	1.39E-11	-0.15608	0.00071
0.00085	0.552016	1.34E-38	0.33527	9.89E-14	-0.3502109	6.39E-15	-0.32881	3.10E-13
0.01488	0.324701	6.30E-13	0.346213	1.35E-14	-0.0292134	0.52886	0.011422	0.80554
0.65156	0.341968	2.95E-14	0.032892	0.47827	-0.3506546	5.87E-15	-0.15714	0.00065
0.01097	0.343448	2.25E-14	0.284677	3.72E-10	-0.1498352	0.00116	-0.16428	0.00036
4.18E-05	0.391114	1.61E-18	0.426585	4.49E-22	0.00171897	0.97045	0.005782	0.90083
3.58E-05	0.193727	2.50E-05	0.162974	0.00041	-0.1752487	0.00014	-0.11904	0.01003
0.94765	0.456623	1.97E-25	0.063196	0.17276	-0.2265159	7.56E-07	-0.01829	0.69336
0.53186	0.219889	1.60E-06	0.169481	0.00023	-0.4145339	8.09E-21	-0.39004	2.03E-18
0.00078	0.509204	3.56E-32	0.530642	2.81E-35	-0.0577871	0.21259	0.057049	0.21849
0.00394	0.50354	2.17E-31	0.415152	6.99E-21	0.11575876	0.0123	0.270333	2.90E-09
6.69E-05	0.550635	2.23E-38	0.462251	4.24E-26	-0.2097638	4.83E-06	-0.12637	0.00625
0.02845	0.577312	7.42E-43	0.308036	1.01E-11	-0.307347	1.13E-11	-0.1628	0.00041
0.0318	0.443837	5.81E-24	0.432283	1.10E-22	-0.0218262	0.63803	0.114852	0.01301
0.04059	0.526636	1.11E-34	0.355717	2.24E-15	0.0072414	0.87598	0.161971	0.00044
0.3358	0.645326	2.35E-56	0.506005	9.92E-32	-0.0112454	0.80849	0.044133	0.34128
0.37329	0.500204	6.17E-31	0.098489	0.03335	-0.3279475	3.59E-13	-0.14584	0.00158
0.04825	0.444555	4.83E-24	0.391006	1.65E-18	-0.3128173	4.64E-12	-0.2082	5.70E-06
0.30703	-0.20498	7.99E-06	-0.11762	0.01097	0.28353313	4.40E-10	0.065455	0.15789
0.56226	0.255269	2.21E-08	0.094573	0.04107	-0.0986578	0.03305	0.120444	0.00918
0.09388	0.453517	4.54E-25	0.333465	1.36E-13	-0.0287041	0.53607	0.14335	0.0019
0.85132	0.229254	5.51E-07	0.151127	0.00105	-0.2100028	4.71E-06	-0.20026	1.30E-05
0.49773	0.59243	1.40E-45	0.41659	4.98E-21	-0.1676461	0.00027	-0.06639	0.15203
0.05063	-0.12637	0.00625	0.081925	0.07695	0.57071671	1.04E-41	0.297086	5.70E-11
0.86572	0.39958	2.49E-19	0.410754	1.96E-20	-0.0473054	0.30768	0.036633	0.42965
0.40964	-0.16915	0.00024	-0.03659	0.43024	0.3797432	1.82E-17	0.178949	0.0001
0.14511	0.441739	1.00E-23	0.268296	3.84E-09	-0.0533956	0.24948	0.135059	0.00345
0.55895	0.372208	8.59E-17	0.127059	0.00597	-0.1216701	0.00849	0.084342	0.06861
0.48178	0.504578	1.56E-31	0.326196	4.87E-13	-0.0082214	0.85936	0.120011	0.00943
0.19595	0.367472	2.23E-16	0.285861	3.12E-10	-0.2772725	1.09E-09	-0.1321	0.00424
0.00083	0.304314	1.83E-11	0.076434	0.099	-0.2596124	1.25E-08	-0.25192	3.42E-08
0.58481	0.372329	8.38E-17	0.260675	1.08E-08	-0.1161193	0.01203	0.024581	0.59621
3.55E-05	0.332761	1.55E-13	0.382306	1.06E-17	-0.2218848	1.28E-06	-0.07971	0.08532
0.01346	0.500377	5.85E-31	0.394919	7.01E-19	0.01731516	0.70899	0.197994	1.63E-05
0.11703	0.554075	6.21E-39	0.36405	4.41E-16	0.00210686	0.96378	0.086779	0.06095
5.62E-05	0.324713	6.28E-13	0.443324	6.64E-24	-0.112338	0.01515	-0.12772	0.00571



0.00281	0.480416	2.44E-28	0.479984	2.77E-28	-0.3182195	1.89E-12	-0.35128	5.21E-15
0.00661	0.508773	4.09E-32	0.408734	3.12E-20	0.00618603	0.89394	0.194651	2.28E-05
0.01765	0.394767	7.25E-19	0.331773	1.84E-13	-0.2535985	2.75E-08	-0.23741	2.09E-07
0.00075	0.424523	7.42E-22	0.491241	9.72E-30	-0.0816299	0.07803	-0.01296	0.78007
1.48E-06	0.541707	5.73E-37	0.352728	3.97E-15	-0.0569841	0.21902	0.082059	0.07647
0.17752	0.1118	0.01564	-0.11141	0.01601	-0.2326426	3.70E-07	-0.08738	0.05917
0.4132	0.251081	3.80E-08	0.344007	2.03E-14	-0.1232515	0.00766	-0.11253	0.01498
0.00097	0.382775	9.61E-18	0.250327	4.19E-08	-0.2140386	3.05E-06	-0.06968	0.13267
0.05034	0.382369	1.05E-17	0.382313	1.06E-17	-0.1912154	3.19E-05	-0.16678	0.00029
0.21527	0.573188	3.88E-42	0.286909	2.67E-10	-0.0201297	0.66437	0.210357	4.54E-06
0.05257	0.304201	1.87E-11	0.133786	0.00377	-0.065826	0.15554	0.059703	0.19778
0.15255	-0.09103	0.04929	0.138536	0.0027	0.62131654	3.29E-51	0.412812	1.21E-20
0.55827	0.242031	1.19E-07	0.338296	5.75E-14	-0.2065952	6.76E-06	-0.16615	0.00031
9.54E-05	0.475881	9.10E-28	0.592842	1.17E-45	-0.1269544	0.00601	-0.19184	3.00E-05
0.01605	0.502644	2.87E-31	0.419355	2.58E-21	-0.2026778	1.01E-05	-0.09805	0.03415
0.00706	0.510201	2.58E-32	0.482657	1.26E-28	-0.175139	0.00014	-0.1114	0.01602
0.02531	0.42926	2.33E-22	0.472561	2.36E-27	-0.1606544	0.00049	-0.16394	0.00037
0.12081	0.205677	7.44E-06	0.166619	0.0003	-0.428132	3.07E-22	-0.35034	6.23E-15
0.38423	0.176735	0.00012	0.337951	6.12E-14	-0.0412463	0.37383	0.011097	0.81097
0.00046	0.441017	1.20E-23	0.520633	8.41E-34	0.07491376	0.10591	0.023991	0.60506
0.09039	0.513459	8.98E-33	0.318481	1.81E-12	-0.0620452	0.18073	0.133746	0.00379
0.00059	0.431205	1.44E-22	0.143588	0.00187	-0.3661525	2.91E-16	-0.26647	4.94E-09
0.00019	0.66707	1.97E-61	0.418815	2.93E-21	-0.0743274	0.10868	0.078328	0.09089
0.00122	0.474937	1.19E-27	0.337004	7.25E-14	-0.2866626	2.77E-10	-0.2031	9.71E-06
0.0196	0.651045	1.19E-57	0.383004	9.15E-18	-0.1233919	0.00759	0.030792	0.50682
0.52221	0.0666	0.15072	-0.06013	0.19462	-0.4458614	3.43E-24	-0.36505	3.62E-16
0.97859	0.388427	2.88E-18	0.262969	7.95E-09	-0.0429718	0.35415	0.066884	0.14898
0.24898	0.228667	5.89E-07	0.338325	5.72E-14	0.04742406	0.30646	0.126046	0.00638
0.03526	0.245025	8.19E-08	0.275401	1.42E-09	-0.3386313	5.41E-14	-0.28366	4.32E-10
0.10743	0.307575	1.09E-11	0.334626	1.11E-13	0.03879574	0.4029	0.11682	0.01152
0.36068	0.486827	3.67E-29	0.283597	4.36E-10	-0.0618875	0.18184	0.099282	0.03195
0.40051	0.441576	1.04E-23	0.473249	1.94E-27	-0.1083854	0.01914	-0.0851	0.06616
0.00854	0.36959	1.46E-16	0.393309	9.98E-19	0.09637844	0.03734	0.092321	0.04615
0.00032	0.322364	9.39E-13	0.242452	1.13E-07	-0.3421538	2.85E-14	-0.26007	1.17E-08
0.03105	0.318557	1.79E-12	0.127735	0.0057	-0.4157321	6.10E-21	-0.24606	7.20E-08
0.04572	0.295808	6.94E-11	0.231417	4.27E-07	-0.3037899	1.99E-11	-0.29831	4.72E-11
0.00148	-0.39403	8.52E-19	-0.15741	0.00064	0.29337316	1.01E-10	0.10552	0.02257
0.25959	0.385676	5.19E-18	0.368513	1.81E-16	0.01369486	0.76786	0.020087	0.66503
0.66472	-0.23904	1.71E-07	-0.21403	3.06E-06	0.26627928	5.07E-09	0.114308	0.01345
0.47143	0.41338	1.06E-20	0.493108	5.51E-30	0.00632038	0.89165	0.100714	0.02954
0.17907	-0.12599	0.00641	0.088975	0.05468	0.42104696	1.72E-21	0.18966	3.71E-05
0.91176	0.491344	9.42E-30	0.180831	8.50E-05	-0.1428359	0.00197	-0.01132	0.80718
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0.73775	0.295488	7.29E-11	0.238437	1.85E-07	-0.1385721	0.00269	0.000433	0.99255
0.01464	0.360423	9.00E-16	0.263804	7.10E-09	-0.0236376	0.61039	0.086018	0.06326

0.90226	0.277513	1.05E-09	0.252165	3.31E-08	0.01009567	0.82775	0.052594	0.25666
8.71E-06	0.482205	1.44E-28	0.528246	6.40E-35	0.01229179	0.79107	-0.00888	0.84824
0.06944	0.312731	4.70E-12	0.265451	5.68E-09	-0.2629254	8.00E-09	-0.18119	8.22E-05
0.07809	0.458263	1.26E-25	0.346684	1.24E-14	-0.208569	5.49E-06	-0.06307	0.17359
0.00503	0.32244	9.27E-13	0.190797	3.32E-05	-0.4804939	2.39E-28	-0.30198	2.66E-11
0.20669	0.533583	1.01E-35	0.331429	1.95E-13	-0.1924004	2.84E-05	-0.1152	0.01273
0.01135	0.533107	1.20E-35	0.404358	8.50E-20	-0.2706322	2.78E-09	-0.21568	2.55E-06
0.14902	0.47037	4.39E-27	0.328257	3.41E-13	0.02402593	0.60454	0.22816	6.25E-07
0.59279	0.504401	1.65E-31	0.388841	2.63E-18	0.06473826	0.1625	0.177731	0.00011
0.27282	0.572975	4.23E-42	0.314018	3.81E-12	-0.1962264	1.95E-05	-0.12036	0.00923
0.00915	0.310556	6.71E-12	0.041579	0.36998	-0.2610985	1.02E-08	-0.11478	0.01306
0.68175	0.294036	9.11E-11	0.07972	0.08527	-0.2233568	1.08E-06	-0.07326	0.11389
0.00917	0.04087	0.3782	-0.10059	0.02975	-0.5617365	3.42E-40	-0.36715	2.38E-16
0.03482	0.559524	7.96E-40	0.551068	1.90E-38	0.02400566	0.60484	0.128171	0.00554
0.0038	0.546795	9.11E-38	0.399618	2.47E-19	-0.0137348	0.76721	0.03447	0.45741
0.10335	0.500799	5.12E-31	0.549836	2.99E-38	0.03804035	0.41213	0.043981	0.34295
0.44358	0.150029	0.00115	0.021762	0.63901	-0.4259793	5.21E-22	-0.29111	1.42E-10
0.0055	0.320254	1.34E-12	0.347166	1.13E-14	-0.0216079	0.64139	0.118303	0.01051
0.05332	0.338766	5.28E-14	0.19623	1.95E-05	-0.0944242	0.04139	0.001976	0.96603
0.15357	0.185584	5.46E-05	0.015252	0.74236	-0.1814342	8.04E-05	0.008005	0.86303
0.21773	0.422027	1.36E-21	0.495511	2.64E-30	0.04948625	0.28588	-0.02755	0.55254
0.0073	0.253831	2.67E-08	0.075312	0.10407	-0.2695279	3.24E-09	-0.26053	1.10E-08
0.78479	0.442823	7.56E-24	0.527065	9.59E-35	0.16022044	0.00051	0.152532	0.00094
0.00934	0.468366	7.73E-27	0.479969	2.78E-28	-0.0004706	0.99191	0.148629	0.00128
0.00013	0.419988	2.22E-21	0.103887	0.02476	-0.3539018	3.17E-15	-0.17555	0.00014
0.18489	0.347465	1.07E-14	0.086103	0.063	-0.3439831	2.04E-14	-0.18544	5.54E-05
0.00132	0.154988	0.00078	0.168224	0.00026	-0.2134319	3.26E-06	-0.08937	0.0536
0.00022	0.279183	8.28E-10	0.449162	1.44E-24	0.09429859	0.04166	0.073306	0.11364
0.02236	0.127299	0.00587	0.145123	0.00166	-0.3571095	1.71E-15	-0.22271	1.17E-06
0.00095	0.510329	2.48E-32	0.394512	7.67E-19	-0.0472281	0.30847	0.013897	0.76454
0.27668	0.29557	7.20E-11	0.279896	7.47E-10	-0.4146872	7.80E-21	-0.3557	2.25E-15
0.00442	0.538474	1.81E-36	0.440242	1.47E-23	-0.1808055	8.52E-05	-0.10664	0.02117
0.38714	0.622702	1.71E-51	0.301732	2.76E-11	0.22674885	7.36E-07	0.330985	2.11E-13
5.06E-12	0.414567	8.02E-21	0.353306	3.55E-15	-0.0522416	0.25987	0.058729	0.20521
0.00087	0.586825	1.49E-44	0.314885	3.30E-12	-0.0370988	0.4238	0.124771	0.00694
0.00227	0.182533	7.27E-05	0.148181	0.00132	-0.3541859	3.00E-15	-0.26402	6.90E-09
0.56102	0.312252	5.09E-12	0.073027	0.11503	-0.2183642	1.90E-06	-0.08607	0.06311
0.43869	0.366918	2.50E-16	0.227439	6.80E-07	-0.2034175	9.40E-06	-0.11309	0.01448
0.06368	0.418233	3.37E-21	0.304764	1.71E-11	0.01783831	0.70062	0.264787	6.22E-09
0.00915	0.476074	8.61E-28	0.276317	1.25E-09	-0.2558891	2.04E-08	-0.11034	0.01707
0.36277	0.454727	3.28E-25	0.460164	7.52E-26	-0.2321232	3.93E-07	-0.18609	5.21E-05
0.09965	0.592546	1.33E-45	0.438171	2.49E-23	-0.2932646	1.03E-10	-0.2592	1.32E-08
9.91E-08	0.285908	3.10E-10	0.431461	1.35E-22	0.06314332	0.17312	0.039597	0.39324
0.84482	0.341826	3.03E-14	0.531918	1.81E-35	0.12007529	0.0094	0.144253	0.00178
0.43963	0.286828	2.70E-10	0.091355	0.04849	-0.4329441	9.31E-23	-0.267	4.60E-09

0.43082	0.658408	2.33E-59	0.320532	1.28E-12	0.06465019	0.16307	0.274114	1.71E-09
0.2413	0.686663	2.17E-66	0.395566	6.08E-19	0.0684655	0.13959	0.189775	3.66E-05
0.01518	0.605081	5.63E-48	0.46544	1.75E-26	-0.0007548	0.98702	0.170206	0.00022
0.20787	0.585434	2.65E-44	0.398606	3.10E-19	0.30829561	9.69E-12	0.307828	1.04E-11
0.00475	0.539476	1.27E-36	0.453761	4.25E-25	0.02539239	0.58414	0.209217	5.12E-06
0.33683	0.476249	8.19E-28	0.274789	1.55E-09	-0.326435	4.67E-13	-0.27151	2.46E-09
0.10189	0.36789	2.05E-16	0.210449	4.49E-06	-0.2237987	1.03E-06	0.007489	0.87177
1.65E-10	0.389492	2.29E-18	0.518666	1.62E-33	-0.0466659	0.31427	-0.09442	0.0414
0.00155	0.514301	6.82E-33	0.384803	6.25E-18	-0.1590639	0.00056	0.04715	0.30927
0.00192	0.429536	2.17E-22	0.337386	6.77E-14	-0.1181215	0.01063	0.034032	0.46314
0.04843	0.475637	9.77E-28	0.298044	4.91E-11	-0.1440862	0.0018	-0.05957	0.1988
0.12872	0.600947	3.51E-47	0.506911	7.43E-32	-0.0193082	0.67728	0.079794	0.08498
0.33154	0.335223	9.98E-14	0.377559	2.86E-17	-0.1758604	0.00013	-0.07459	0.10745
0.001	0.338576	5.46E-14	0.191571	3.08E-05	-0.1151071	0.01281	0.111358	0.01606
3.23E-05	-0.18503	5.76E-05	0.04794	0.30122	0.60501653	5.80E-48	0.416345	5.28E-21
0.00209	0.538509	1.79E-36	0.284774	3.66E-10	-0.0881261	0.05704	0.027458	0.55392
0.31278	0.264089	6.84E-09	0.053639	0.24732	-0.3729977	7.31E-17	-0.2071	6.41E-06
0.33817	0.208385	5.60E-06	0.140495	0.00234	-0.3617112	7.00E-16	-0.2159	2.49E-06
0.00479	0.431327	1.39E-22	0.409699	2.50E-20	0.09927104	0.03197	0.135014	0.00346
0.05137	0.223086	1.12E-06	0.070906	0.12599	-0.5521336	1.28E-38	-0.48481	6.69E-29
0.30455	0.256352	1.92E-08	0.130807	0.00464	-0.2637119	7.19E-09	-0.1903	3.48E-05
4.44E-05	0.482527	1.31E-28	0.410593	2.03E-20	-0.0613885	0.1854	0.031438	0.49794
0.01719	0.262647	8.31E-09	0.359303	1.12E-15	-0.026081	0.57398	-0.02315	0.6178
0.02426	0.433827	7.46E-23	0.398097	3.47E-19	-0.004481	0.92306	0.034755	0.45369
0.15672	0.138915	0.00263	0.142348	0.00204	-0.1549404	0.00078	-0.01149	0.80444
0.11299	0.246781	6.57E-08	0.031332	0.4994	-0.2341112	3.11E-07	-0.15272	0.00093
0.0047	0.487607	2.91E-29	0.520093	1.01E-33	-0.0824901	0.07493	-0.13233	0.00418
0.46648	0.397382	4.07E-19	0.216306	2.38E-06	-0.246654	6.68E-08	-0.10783	0.01977
0.17299	0.335572	9.37E-14	0.12637	0.00625	-0.3282445	3.41E-13	-0.16022	0.00051
0.12195	0.575631	1.46E-42	0.521546	6.20E-34	-0.1015314	0.02824	-0.07009	0.13042
0.01204	0.431192	1.44E-22	0.22305	1.12E-06	-0.013564	0.77002	0.163467	0.00039
4.38E-06	0.552558	1.09E-38	0.409971	2.35E-20	-0.0415829	0.36994	0.122907	0.00784
0.98653	-0.02485	0.59222	-0.00068	0.98825	0.32538344	5.60E-13	0.108605	0.01889
0.0028	0.556792	2.24E-39	0.515246	5.01E-33	-0.154734	0.00079	-0.24379	9.55E-08
0.16857	0.176336	0.00013	0.252199	3.29E-08	-0.3119539	5.34E-12	-0.29412	8.99E-11
0.00034	0.277615	1.04E-09	0.349893	6.78E-15	0.04954979	0.28526	0.067108	0.14763
0.69581	0.44275	7.70E-24	0.235624	2.59E-07	-0.1253463	0.00668	-0.03661	0.42994
0.42405	0.403798	9.65E-20	0.295746	7.01E-11	-0.0825771	0.07462	0.20058	1.26E-05
0.7449	0.555525	3.61E-39	0.194388	2.34E-05	-0.0040934	0.9297	0.156093	0.00071
0.18456	0.109535	0.01789	0.051939	0.26264	-0.5039165	1.92E-31	-0.39872	3.02E-19
0.73927	0.471833	2.90E-27	0.282781	4.91E-10	-0.1833316	6.75E-05	-0.00602	0.89677
0.35064	0.424423	7.61E-22	0.392346	1.23E-18	-0.0378999	0.41386	0.0657	0.15633
0.0974	0.578127	5.33E-43	0.515507	4.60E-33	0.12234715	0.00813	0.336368	8.13E-14
0.01894	0.41214	1.42E-20	0.220666	1.47E-06	-0.1720647	0.00019	-0.01551	0.73819
0.5586	0.30657	1.28E-11	0.296953	5.82E-11	-0.1134215	0.01419	-0.04478	0.33426

0.00375	0.235293	2.70E-07	-0.06509	0.16022	-0.1917802	3.02E-05	-0.04302	0.35365
0.00176	-0.19048	3.42E-05	-0.14995	0.00115	0.28349223	4.42E-10	0.026698	0.56495
0.00016	-0.32135	1.12E-12	-0.21044	4.50E-06	0.21796077	1.99E-06	0.369489	1.49E-16
0.35108	-0.42277	1.13E-21	-0.39633	5.13E-19	-0.09243	0.0459	0.045151	0.33025
0.55743	-0.45958	8.81E-26	-0.3233	8.00E-13	0.02723178	0.55719	0.168913	0.00025
0.32755	-0.5329	1.28E-35	-0.24438	8.88E-08	0.09825009	0.03378	0.18505	5.75E-05
0.75075	-0.53002	3.48E-35	-0.29335	1.01E-10	0.05363098	0.24739	0.152501	0.00095
0.0484	0.346497	1.28E-14	0.187017	4.77E-05	0.33789149	6.18E-14	0.33351	1.35E-13
0.85798	-0.52341	3.31E-34	-0.29873	4.42E-11	0.10701155	0.02072	0.243461	9.96E-08
0.11378	-0.41504	7.18E-21	-0.2125	3.60E-06	0.0468865	0.31198	0.136297	0.00316
8.94E-08	0.29685	5.91E-11	0.043649	0.34661	-0.2184887	1.87E-06	-0.35452	2.82E-15
0.06049	0.198029	1.63E-05	0.195701	2.05E-05	0.18308174	6.91E-05	0.217098	2.18E-06
0.02001	-0.43714	3.23E-23	-0.25005	4.34E-08	0.10455609	0.02385	0.205716	7.41E-06
0.0672	-0.39247	1.20E-18	-0.14376	0.00184	0.07886645	0.08868	0.119067	0.01001
0.44821	0.479774	2.94E-28	0.235891	2.51E-07	-0.0898182	0.05242	0.022541	0.62705
0.05778	-0.24971	4.54E-08	-0.10461	0.02377	0.15362032	0.00087	0.151435	0.00103
0.0281	-0.22992	5.09E-07	-0.16186	0.00045	0.007789	0.86668	0.162481	0.00042
0.16927	-0.35949	1.08E-15	-0.10651	0.02133	0.11753396	0.01102	0.083166	0.07257
3.98E-16	-0.17327	0.00017	-0.07383	0.11107	0.14216932	0.00207	0.243503	9.90E-08
0.06835	-0.43561	4.77E-23	-0.16732	0.00028	0.0899137	0.05216	0.059829	0.19684
0.2267	-0.13196	0.00428	-0.07101	0.12541	-0.0137342	0.76722	-0.00834	0.85741
0.66443	-0.41257	1.28E-20	-0.20547	7.60E-06	0.01771202	0.70264	0.00968	0.83474
0.00043	-0.15757	0.00063	0.1346	0.00357	0.55511881	4.20E-39	0.497237	1.55E-30
0.2154	0.364314	4.19E-16	0.328361	3.34E-13	0.15971577	0.00053	0.119067	0.01001
0.20691	0.140297	0.00238	0.116376	0.01185	-0.0554649	0.23157	-0.21494	2.77E-06
0.47974	-0.04965	0.28431	-0.02021	0.66314	0.02569301	0.57969	-0.05187	0.26329
0.08171	-0.11602	0.01211	-0.01926	0.678	0.22547888	8.52E-07	0.337445	6.70E-14
0.00344	-0.33256	1.60E-13	-0.27917	8.29E-10	-0.0435044	0.34821	-0.04554	0.3261
0.01305	-0.11155	0.01588	-0.03126	0.50038	0.21138804	4.06E-06	0.323558	7.66E-13
0.00037	-0.3603	9.22E-16	-0.24244	1.13E-07	0.14680106	0.00147	0.092396	0.04598
0.78375	-0.29884	4.34E-11	-0.21381	3.13E-06	0.1116461	0.01579	0.265457	5.68E-09
0.20861	-0.4227	1.16E-21	-0.20062	1.25E-05	0.09366425	0.04306	0.119049	0.01003
0.00741	-0.30475	1.71E-11	-0.07965	0.08553	0.20762135	6.07E-06	0.247165	6.26E-08
0.008	-0.22833	6.13E-07	-0.08505	0.0663	0.1668773	0.00029	0.193719	2.50E-05
0.02089	-0.41283	1.21E-20	-0.24236	1.14E-07	-0.0181539	0.69558	-0.0484	0.29663
0.02341	-0.21527	2.67E-06	-0.11815	0.01061	0.1614015	0.00046	0.184559	6.02E-05
0.99916	-0.28317	4.63E-10	-0.1172	0.01126	0.13839455	0.00273	0.142716	0.00199
0.23425	-0.01236	0.78995	0.221733	1.30E-06	0.53619777	4.05E-36	0.472222	2.60E-27
1.64E-09	-0.06859	0.13886	0.090497	0.05065	0.22174211	1.30E-06	0.16107	0.00048
1.59E-06	-0.12321	0.00768	-0.03754	0.41837	0.14239895	0.00204	0.128347	0.00548
0.97393	-0.12131	0.00869	-0.05002	0.28075	0.06097341	0.1884	0.10003	0.03067
0.54	-0.55427	5.77E-39	-0.24469	8.55E-08	0.04645786	0.31643	0.090929	0.04955
0.28798	-0.32646	4.65E-13	-0.31111	6.13E-12	-0.0752553	0.10433	-0.0462	0.31909
0.03117	0.188606	4.10E-05	0.051777	0.26414	-0.0220395	0.63475	-0.10086	0.02931
0.30802	-0.28372	4.28E-10	-0.12596	0.00642	0.04922871	0.2884	0.071414	0.12329

4.02E-05	-0.36283	5.62E-16	-0.17389	0.00016	0.10650036	0.02134	0.099711	0.03121
4.79E-05	-0.30811	9.98E-12	-0.13071	0.00467	-0.0089868	0.84642	-0.10083	0.02935
0.2548	-0.40617	5.62E-20	-0.16763	0.00027	0.13482828	0.00351	0.199497	1.40E-05
1.16E-06	-0.28403	4.08E-10	-0.02113	0.64879	0.28519556	3.44E-10	0.280221	7.12E-10
6.53E-09	-0.33177	1.84E-13	-0.17112	0.0002	0.14384775	0.00183	0.220683	1.47E-06
0.00846	0.339504	4.62E-14	0.216745	2.27E-06	0.02838513	0.54061	0.01112	0.81058
0.00015	0.223495	1.07E-06	0.268948	3.51E-09	0.33245128	1.63E-13	0.169588	0.00023
0.05747	0.492867	5.93E-30	0.532297	1.58E-35	0.21320854	3.34E-06	0.001598	0.97253
0.00011	-0.30484	1.69E-11	-0.05393	0.24477	0.36788017	2.06E-16	0.492678	6.28E-30
9.78E-06	0.362006	6.60E-16	0.385977	4.87E-18	0.04238178	0.3608	-0.01569	0.7353
0.97502	-0.24655	6.77E-08	-0.19005	3.57E-05	0.13123403	0.0045	0.324568	6.44E-13
0.01121	-0.15351	0.00087	-0.25207	3.35E-08	-0.0892457	0.05394	0.035589	0.44293
0.03875	-0.46673	1.22E-26	-0.27442	1.63E-09	0.12075922	0.009	0.251816	3.46E-08
0.00963	0.258586	1.43E-08	0.195947	2.00E-05	0.19031573	3.48E-05	0.242731	1.09E-07
0.00056	-0.1576	0.00063	-0.04892	0.2914	0.13821081	0.00276	0.203176	9.64E-06
0.39257	-0.42101	1.74E-21	-0.25166	3.53E-08	0.10162979	0.02809	0.163113	0.0004
4.09E-12	-0.39646	5.00E-19	-0.25887	1.38E-08	0.03359534	0.46891	0.119484	0.00975
0.51605	0.078762	0.0891	0.353821	3.22E-15	0.36310891	5.32E-16	0.323318	7.98E-13
0.00036	0.333011	1.48E-13	0.427522	3.57E-22	0.109818	0.0176	-0.12301	0.00778
0.87771	-0.131	0.00457	0.125239	0.00673	0.30930641	8.23E-12	0.285889	3.11E-10
0.34545	-0.30837	9.56E-12	-0.12611	0.00636	0.09151901	0.04809	0.139492	0.00252
0.13741	-0.40491	7.49E-20	-0.1711	0.0002	-0.1361225	0.0032	-0.18765	4.49E-05
0.0197	-0.10185	0.02775	-0.09383	0.04269	0.12931376	0.00513	0.297207	5.60E-11
0.00016	-0.34546	1.55E-14	-0.13753	0.0029	0.12837585	0.00546	0.242307	1.15E-07
0.08206	-0.2833	4.55E-10	-0.12904	0.00523	0.16165488	0.00045	0.293452	9.97E-11
0.22451	-0.1986	1.54E-05	-0.25104	3.82E-08	0.06441308	0.16462	0.119453	0.00977
0.00813	-0.48554	5.39E-29	-0.25215	3.31E-08	0.02869964	0.53613	0.105406	0.02272
6.97E-06	0.006471	0.88908	0.058286	0.20866	0.16802789	0.00026	0.202815	1.00E-05
0.00012	-0.28558	3.25E-10	-0.2526	3.13E-08	0.08005606	0.08396	0.109459	0.01797
0.01681	0.217621	2.06E-06	0.105298	0.02286	-0.1079914	0.01958	-0.15841	0.00059
0.65102	-0.30377	2.00E-11	-0.20925	5.10E-06	0.09793664	0.03436	0.165536	0.00033
0.17198	-0.157	0.00066	-0.15661	0.00068	0.04041198	0.38358	0.196092	1.97E-05
0.12179	0.222514	1.19E-06	-0.04205	0.36454	-0.0989743	0.03249	-0.20123	1.18E-05
0.00019	-0.48753	2.97E-29	-0.20171	1.12E-05	0.17474788	0.00015	0.28227	5.29E-10
0.02502	-0.20343	9.39E-06	0.065919	0.15495	0.09210687	0.04666	0.043907	0.34376
0.66785	-0.4652	1.88E-26	-0.22323	1.10E-06	0.10076696	0.02946	0.103161	0.02579
0.17064	-0.43106	1.49E-22	-0.16492	0.00035	0.11825921	0.01054	0.176631	0.00012
0.09215	0.429877	2.00E-22	0.563881	1.50E-40	0.14642251	0.00151	-0.02472	0.59419
0.71478	-0.1102	0.0172	-0.10222	0.02718	0.04586676	0.32264	0.149298	0.00121
0.30617	-0.34881	8.30E-15	-0.18803	4.33E-05	0.21711636	2.18E-06	0.268877	3.55E-09
0.44511	-0.26426	6.68E-09	-0.01084	0.81527	0.17470356	0.00015	0.110033	0.01737
0.56055	0.343938	2.05E-14	0.607925	1.58E-48	0.28424648	3.96E-10	0.024668	0.59491
0.22444	0.454398	3.59E-25	0.486008	4.68E-29	0.21940262	1.69E-06	0.074816	0.10637
0.00983	-0.56283	2.24E-40	-0.34898	8.04E-15	-0.1104952	0.01691	-0.11425	0.01349
0.43278	-0.20456	8.35E-06	-0.13041	0.00476	0.07366886	0.11186	0.215442	2.62E-06

0.77045	-0.25125	3.72E-08	-0.22879	5.81E-07	-0.1001676	0.03044	-0.11053	0.01687
0.53245	-0.30516	1.60E-11	-0.1542	0.00083	0.12706441	0.00597	0.224255	9.80E-07
0.03791	-0.28602	3.05E-10	-0.18744	4.58E-05	0.04903297	0.29033	0.106084	0.02186
0.50617	-0.47998	2.78E-28	-0.24709	6.32E-08	0.06988308	0.13156	0.171967	0.00019
0.83975	-0.1755	0.00014	-0.05794	0.21138	0.21403234	3.06E-06	0.19036	3.46E-05
0.97086	-0.14347	0.00188	-0.12513	0.00678	0.10646818	0.02138	0.242601	1.11E-07
0.43828	-0.42073	1.86E-21	-0.21068	4.39E-06	0.10830889	0.01922	0.195847	2.02E-05
0.24032	-0.19011	3.55E-05	-0.12096	0.00888	0.33297554	1.49E-13	0.361965	6.66E-16
0.12978	-0.17507	0.00014	0.020671	0.65592	0.4866596	3.86E-29	0.448344	1.79E-24
0.01603	0.303183	2.19E-11	0.278247	9.47E-10	0.17445709	0.00015	0.044683	0.33529
0.80637	-0.23381	3.22E-07	-0.09261	0.04548	0.05461667	0.2388	0.050446	0.27663
0.05438	-0.04326	0.35091	-0.00777	0.86693	0.20043243	1.28E-05	0.308119	9.97E-12
7.42E-06	-0.19795	1.64E-05	-0.02769	0.5506	0.34545022	1.55E-14	0.306116	1.38E-11
0.2097	0.337197	7.01E-14	0.41998	2.22E-21	0.13626891	0.00317	0.110592	0.01681
0.03805	0.02982	0.52034	0.004984	0.91447	0.23568414	2.57E-07	0.32503	5.95E-13
0.29746	-0.10539	0.02274	0.098875	0.03266	0.2871146	2.59E-10	0.351607	4.91E-15
0.37124	-0.13685	0.00304	-0.08129	0.07928	0.11473752	0.0131	0.238874	1.75E-07
0.55165	-0.13649	0.00312	-0.08828	0.0566	0.18555715	5.48E-05	0.271337	2.52E-09
8.04E-06	-0.21734	2.13E-06	0.032966	0.47727	0.13391393	0.00374	0.077223	0.09555
0.01257	-0.17697	0.00012	-0.05534	0.23266	-5.27E-05	0.99909	-0.02317	0.61742
0.85336	-0.30505	1.63E-11	-0.26348	7.43E-09	-0.0323356	0.48575	0.16525	0.00034
0.0006	0.239615	1.60E-07	-0.00086	0.98522	-0.1089637	0.0185	-0.16338	0.00039
0.01705	0.215539	2.59E-06	0.16879	0.00025	0.20751125	6.14E-06	0.024358	0.59955
0.32542	0.057712	0.21318	0.259974	1.19E-08	0.35477323	2.68E-15	0.316405	2.56E-12
0.02399	-0.48952	1.63E-29	-0.19284	2.72E-05	0.0386458	0.40472	-0.02856	0.53809
0.7565	-0.24952	4.65E-08	-0.19518	2.16E-05	0.00093067	0.984	0.071055	0.12519
0.21389	-0.50351	2.18E-31	-0.21477	2.82E-06	0.05572796	0.22936	0.108782	0.0187
0.12693	-0.46448	2.29E-26	-0.32811	3.50E-13	-0.0267977	0.5635	0.099702	0.03123
0.14114	0.448439	1.75E-24	0.46212	4.39E-26	0.01502699	0.74603	-0.07716	0.09583
7.75E-08	-0.13585	0.00327	0.16776	0.00027	0.47991011	2.83E-28	0.542276	4.67E-37
2.15E-05	-0.42677	4.29E-22	-0.17125	0.0002	0.04592133	0.32206	0.039453	0.39498
0.27208	0.161248	0.00047	0.074174	0.10942	0.12009881	0.00938	-0.14437	0.00176
1.37E-05	0.232695	3.67E-07	0.298539	4.55E-11	0.36156988	7.19E-16	0.096554	0.03699
0.08665	-0.44725	2.39E-24	-0.25335	2.84E-08	0.06076248	0.18993	0.081805	0.07739
0.01401	0.173182	0.00017	0.320065	1.39E-12	0.18439649	6.11E-05	0.021743	0.63931
0.0113	0.271078	2.61E-09	0.225218	8.78E-07	-0.1747868	0.00015	-0.38302	9.12E-18
0.06174	-0.05713	0.21786	0.001168	0.97992	0.14258705	0.00201	0.169882	0.00023
0.60838	-0.1447	0.00172	0.009632	0.83554	0.42767461	3.44E-22	0.445631	3.65E-24
0.54325	-0.43662	3.69E-23	-0.2963	6.44E-11	0.01322367	0.77563	0.213332	3.30E-06
0.97419	-0.17482	0.00015	-0.14969	0.00118	0.09823621	0.03381	0.221795	1.29E-06
0.46867	-0.35701	1.75E-15	-0.24951	4.65E-08	0.09787127	0.03448	0.23245	3.78E-07
0.00193	-0.24166	1.24E-07	-0.1106	0.0168	-0.0609829	0.18833	-0.0752	0.10459
0.05264	0.217578	2.07E-06	0.307903	1.03E-11	0.39044719	1.86E-18	0.124619	0.00701
0.65678	-0.40783	3.84E-20	-0.18983	3.64E-05	0.13276845	0.00405	0.15617	0.00071
0.58232	-0.11318	0.0144	-0.0645	0.16404	0.16268683	0.00042	0.305809	1.44E-11

0.76633	0.32128	1.13E-12	0.211372	4.07E-06	0.00596309	0.89774	-0.05938	0.20023
0.3603	-0.10055	0.02981	0.183574	6.60E-05	0.1882022	4.26E-05	0.094635	0.04094
0.5216	-0.12164	0.0085	-0.05482	0.23704	0.22685472	7.27E-07	0.321663	1.06E-12
0.15658	-0.00879	0.84979	0.027382	0.55502	0.1183973	0.01044	0.288432	2.13E-10
0.65621	-0.24058	1.42E-07	-0.08593	0.06353	0.08611963	0.06295	0.170033	0.00022
0.14598	0.341012	3.51E-14	0.183109	6.89E-05	-0.0080196	0.86277	-0.08358	0.07115
0.45857	-0.28817	2.21E-10	-0.12251	0.00804	-0.0154696	0.73881	-0.03412	0.46202
0.27296	-0.39256	1.18E-18	-0.12745	0.00581	0.08710978	0.05997	0.162936	0.00041
1.63E-07	-0.25239	3.22E-08	-0.09429	0.04169	0.18136603	8.09E-05	0.312136	5.19E-12
0.00024	0.269417	3.29E-09	0.160119	0.00051	0.06042439	0.19241	-0.04565	0.32493
0.59208	-0.14076	0.0023	-0.01554	0.73774	0.10411497	0.02445	0.041722	0.36834
0.77254	-0.05528	0.23317	-0.08623	0.06261	0.06063669	0.19085	0.209873	4.78E-06
0.1465	-0.25722	1.71E-08	-0.13394	0.00374	0.0293805	0.5265	0.060336	0.19306
0.84475	-0.15047	0.00111	-0.03188	0.49192	0.09117465	0.04894	0.14332	0.0019
0.00322	-0.07683	0.09728	-0.12533	0.00669	-0.0147834	0.75001	0.089598	0.053
0.57576	0.0183	0.69325	-0.12792	0.00563	-0.2929936	1.07E-10	-0.33205	1.75E-13
0.00104	-0.19649	1.90E-05	-0.10251	0.02675	0.1517619	0.001	0.158586	0.00058
0.37863	-0.43381	7.49E-23	-0.1803	8.92E-05	0.16456821	0.00036	0.231812	4.08E-07
0.00218	-0.15112	0.00105	0.02454	0.59683	0.36089496	8.21E-16	0.382534	1.01E-17
0.91354	-0.30921	8.35E-12	-0.21418	3.01E-06	-0.0395495	0.39382	-0.04068	0.38042
0.00988	-0.22819	6.23E-07	-0.08797	0.05747	-0.0536	0.24767	0.027366	0.55524
0.62951	-0.24447	8.79E-08	-0.20551	7.56E-06	0.16128803	0.00047	0.219898	1.60E-06
1.76E-05	-0.30399	1.93E-11	-0.17968	9.45E-05	0.05254559	0.25711	0.241665	1.24E-07
0.54658	-0.08203	0.07656	0.013158	0.77673	0.22213657	1.25E-06	0.306354	1.32E-11
0.0238	-0.07496	0.10568	-0.06074	0.19012	0.22520727	8.79E-07	0.31673	2.43E-12
0.02217	-0.55059	2.27E-38	-0.34302	2.43E-14	-0.078703	0.08934	-0.09429	0.04167
0.27203	-0.40195	1.46E-19	-0.24777	5.80E-08	-0.1058916	0.0221	0.057637	0.21378
0.47282	-0.30456	1.76E-11	-0.11543	0.01256	0.14565651	0.0016	0.147861	0.00135
0.15427	-0.49716	1.59E-30	-0.23849	1.83E-07	0.11405443	0.01366	0.111251	0.01616
0.64984	-0.2706	2.79E-09	0.033317	0.47259	-0.0627804	0.17561	-0.17077	0.00021
0.26887	-0.04212	0.3638	0.063096	0.17345	0.20704408	6.44E-06	0.253984	2.61E-08
0.59004	-0.12948	0.00507	0.101979	0.02755	0.20943068	5.01E-06	0.194909	2.22E-05
0.51803	0.229424	5.40E-07	0.063641	0.16975	0.06710213	0.14766	-0.14536	0.00163
0.25952	0.315147	3.16E-12	-0.06254	0.17731	-0.1808551	8.48E-05	-0.32641	4.69E-13
0.17406	-0.35128	5.21E-15	-0.2256	8.40E-07	-0.0445359	0.33689	0.047349	0.30723
0.00747	0.187691	4.47E-05	0.040787	0.37917	-0.0807714	0.08122	-0.16243	0.00042
0.0588	-0.50546	1.18E-31	-0.30041	3.40E-11	-0.0586622	0.20573	-0.08175	0.0776
0.4276	-0.41307	1.14E-20	-0.25768	1.61E-08	-0.0715072	0.1228	-0.05804	0.21057
0.35649	-0.4186	3.09E-21	-0.22137	1.36E-06	0.0562588	0.22495	-0.0671	0.14765
0.43994	-0.50628	9.08E-32	-0.29208	1.23E-10	0.06950632	0.13366	0.198944	1.48E-05
0.34183	-0.26286	8.07E-09	-0.00555	0.90472	0.00171047	0.97059	-0.063	0.17409
0.07272	-0.29441	8.61E-11	-0.13829	0.00275	0.00655493	0.88765	0.05077	0.27356
0.47177	-0.23242	3.79E-07	-0.10698	0.02076	-0.0512306	0.26922	-0.09206	0.04678
0.96534	0.459045	1.02E-25	0.202531	1.03E-05	-0.0367317	0.42841	0.08812	0.05706
0.72414	-0.1714	0.0002	0.05177	0.2642	0.07262582	0.11704	0.124518	0.00706

0.33529	-0.21769	2.05E-06	0.00595	0.89796	0.01240975	0.78911	0.061345	0.18572
0.0977	-0.18884	4.01E-05	-0.01753	0.70559	0.08396382	0.06986	0.054597	0.23897
0.99778	-0.41377	9.68E-21	-0.21731	2.13E-06	0.08290094	0.07349	0.154974	0.00078
0.38171	-0.31579	2.84E-12	-0.23287	3.60E-07	-0.0596561	0.19814	0.101993	0.02753
0.73404	-0.49357	4.79E-30	-0.20852	5.52E-06	0.06875813	0.1379	0.109157	0.01829
0.00609	-0.05918	0.20177	-0.06281	0.17541	0.06026379	0.1936	0.133848	0.00376
0.44533	-0.26285	8.08E-09	-0.31211	5.21E-12	-0.0947086	0.04078	-0.01623	0.7264
0.24088	-0.23906	1.71E-07	-0.06584	0.15547	0.10305245	0.02595	0.199215	1.44E-05
1.56E-05	-0.312	5.31E-12	-0.25256	3.14E-08	-0.0374525	0.4194	0.041375	0.37234
0.56549	-0.23857	1.82E-07	-0.05359	0.24774	-0.0385289	0.40615	-0.09042	0.05085
0.43628	-0.30152	2.86E-11	-0.24115	1.32E-07	-0.0222421	0.63164	0.088069	0.0572
0.99693	-0.34176	3.07E-14	-0.06179	0.18257	0.14126966	0.00221	0.233929	3.17E-07
0.08985	-0.3686	1.78E-16	-0.30307	2.23E-11	-0.0785227	0.09008	-0.09056	0.05049
0.00264	-0.45894	1.05E-25	-0.24133	1.30E-07	0.14081536	0.00229	0.197858	1.66E-05
0.16267	-0.27638	1.24E-09	-0.16806	0.00026	0.07165174	0.12205	0.081107	0.07996
0.18091	-0.56721	4.11E-41	-0.25759	1.63E-08	0.14515254	0.00166	0.112854	0.01468
0.91132	-0.25245	3.19E-08	-0.14141	0.00219	0.11320674	0.01438	0.217206	2.16E-06
0.71635	-0.46415	2.51E-26	-0.36283	5.61E-16	0.01270488	0.78422	0.140051	0.00242
0.0661	-0.30883	8.89E-12	-0.19846	1.56E-05	-0.0433194	0.35027	-0.00819	0.85995
0.13809	-0.34105	3.49E-14	-0.0076	0.86986	0.49420211	3.95E-30	0.487264	3.22E-29
0.00225	-0.34071	3.71E-14	-0.17826	0.00011	0.16170652	0.00045	0.330941	2.13E-13
0.45806	-0.3874	3.59E-18	-0.02939	0.52642	0.27358853	1.84E-09	0.182838	7.06E-05
0.34072	0.454858	3.17E-25	0.442008	9.33E-24	-0.0610104	0.18813	-0.20252	1.03E-05
0.98016	-0.48837	2.31E-29	-0.21	4.71E-06	0.07424445	0.10908	0.109876	0.01754
0.70963	-0.00214	0.9633	0.121703	0.00847	0.36455632	3.99E-16	0.40382	9.60E-20
0.00896	0.369236	1.57E-16	0.00894	0.84721	-0.1879183	4.38E-05	-0.03843	0.40736
0.00061	0.102529	0.02672	0.148709	0.00127	0.32476694	6.23E-13	0.291587	1.32E-10
0.24001	0.157022	0.00066	-0.03877	0.4032	0.2110002	4.24E-06	-0.03638	0.43282
0.1084	-0.01757	0.70495	0.191928	2.98E-05	0.45937726	9.32E-26	0.299155	4.13E-11
0.70064	0.434305	6.62E-23	0.242541	1.12E-07	0.02140136	0.64458	0.068738	0.13802
0.21664	-0.41221	1.39E-20	-0.17031	0.00022	0.07644175	0.09896	0.140404	0.00236
0.8847	-0.43822	2.46E-23	-0.20066	1.25E-05	0.08991574	0.05216	0.195277	2.14E-05
0.97913	-0.4193	2.61E-21	-0.28406	4.07E-10	-0.0342522	0.46025	0.117298	0.01119
0.57849	-0.20136	1.16E-05	-0.10046	0.02996	-0.0212621	0.64674	-0.01041	0.82246
0.88692	-0.38493	6.09E-18	-0.2311	4.44E-07	-0.0015033	0.97415	0.049003	0.29062
0.30447	-0.13977	0.00247	-0.02495	0.59069	0.16261939	0.00042	0.130149	0.00485
0.12573	-0.56232	2.73E-40	-0.22734	6.88E-07	0.12373494	0.00743	0.102268	0.02711
0.12438	0.372583	7.96E-17	0.293702	9.59E-11	0.02087276	0.65278	-0.11701	0.01139
9.17E-10	-0.43041	1.75E-22	-0.18989	3.62E-05	0.06671616	0.15001	0.092629	0.04543
0.15595	0.372944	7.39E-17	0.3529	3.84E-15	-0.019897	0.66802	-0.0602	0.19409
0.15704	-0.26832	3.83E-09	-0.17861	0.0001	0.01859248	0.68861	0.048304	0.29756
0.31577	-0.24721	6.23E-08	-0.20507	7.92E-06	0.03063497	0.50899	0.164811	0.00035
0.7641	-0.30483	1.69E-11	-0.13411	0.00369	0.09674421	0.03662	0.19029	3.49E-05
0.01844	-0.17201	0.00019	-0.13889	0.00263	-0.1199404	0.00948	0.030181	0.5153
0.818	-0.16768	0.00027	-0.11635	0.01186	0.02407061	0.60386	0.106382	0.02149



0.13451	-0.41247	1.31E-20	-0.21671	2.28E-06	-0.0587771	0.20484	-0.04307	0.35304
0.56611	-0.20971	4.86E-06	-0.08868	0.0555	0.01553175	0.7378	0.018518	0.6898
0.35146	-0.23992	1.54E-07	-0.30469	1.73E-11	-0.0217389	0.63937	0.126595	0.00615
2.40E-06	0.104623	0.02375	-0.103	0.02602	-0.0463546	0.31751	-0.16676	0.0003
0.21925	-0.35944	1.09E-15	-0.1255	0.00662	0.13349482	0.00385	0.19148	3.11E-05
0.15574	-0.29219	1.21E-10	-0.082	0.07669	0.1775415	0.00011	0.236758	2.26E-07
0.28358	-0.12913	0.00519	-0.09057	0.05047	0.04666802	0.31425	0.06738	0.14599
0.59413	-0.51259	1.19E-32	-0.22757	6.70E-07	-0.0116267	0.80213	0.043739	0.34562
0.95588	-0.42037	2.02E-21	-0.30376	2.00E-11	-0.0562196	0.22528	0.012085	0.7945
0.13927	-0.50095	4.88E-31	-0.32636	4.73E-13	-0.0829132	0.07345	-0.09956	0.03147
0.12248	-0.44244	8.35E-24	-0.15404	0.00084	-0.0414721	0.37121	-0.01101	0.81238
0.03557	-0.35461	2.77E-15	-0.21378	3.14E-06	0.10730238	0.02038	0.180489	8.77E-05
0.12192	-0.22501	8.99E-07	-0.18335	6.74E-05	0.06283455	0.17524	0.146661	0.00148
0.46754	-0.42779	3.34E-22	-0.20159	1.13E-05	0.01062663	0.81884	0.059527	0.19911
0.15675	-0.31919	1.61E-12	-0.21068	4.39E-06	0.0702957	0.12929	0.317668	2.07E-12
0.22895	-0.2299	5.10E-07	0.023388	0.61417	0.14389866	0.00182	0.084832	0.06701
4.85E-09	-0.3254	5.59E-13	-0.17751	0.00012	0.15027247	0.00113	0.316571	2.49E-12
0.20028	-0.32308	8.32E-13	-0.11917	0.00995	-0.1733366	0.00017	-0.24029	1.47E-07
0.00178	-0.45927	9.60E-26	-0.22368	1.05E-06	0.11423202	0.01351	0.179545	9.57E-05
0.0458	-0.1455	0.00162	-0.01731	0.70905	0.10439098	0.02407	0.06551	0.15754
0.01051	-0.13325	0.00392	0.014245	0.75882	0.18090722	8.44E-05	0.083342	0.07197
0.20174	-0.31796	1.98E-12	-0.15919	0.00055	0.04722291	0.30852	0.090508	0.05062
0.17291	-0.10954	0.01788	0.017153	0.71159	0.29328471	1.02E-10	0.393708	9.15E-19
2.50E-07	-0.3013	2.95E-11	-0.11785	0.01081	0.16905933	0.00024	0.270465	2.85E-09
0.00012	-0.17401	0.00016	-0.07219	0.11926	0.1579376	0.00061	0.345317	1.59E-14
0.37375	-0.24431	8.96E-08	0.002145	0.96313	0.07543185	0.10351	0.066369	0.15215
0.00041	-0.17153	0.0002	-0.07546	0.10337	0.06508188	0.16027	0.209237	5.11E-06
2.11E-05	-0.44027	1.46E-23	-0.20215	1.07E-05	0.18899861	3.95E-05	0.256636	1.85E-08
0.14174	0.263925	6.99E-09	-0.11592	0.01218	-0.1855296	5.49E-05	-0.16509	0.00034
2.04E-05	0.127007	0.00599	0.225343	8.65E-07	0.16908125	0.00024	0.025809	0.57798
0.90056	-0.02634	0.57025	0.11101	0.0164	0.11476515	0.01308	0.193286	2.61E-05
0.74657	-0.37822	2.50E-17	-0.29062	1.53E-10	-0.0122157	0.79233	-0.03927	0.39714
0.42925	-0.33542	9.62E-14	-0.09713	0.03588	0.10952013	0.01791	0.150531	0.0011
0.43357	-0.38038	1.59E-17	-0.17416	0.00016	0.04983455	0.2825	0.063556	0.17033
7.73E-05	-0.04574	0.32398	-0.03716	0.42309	0.16146556	0.00046	0.274675	1.58E-09
0.08608	-0.11864	0.01029	0.107488	0.02016	0.11827611	0.01052	0.132612	0.00409
0.24768	-0.28169	5.75E-10	-0.07326	0.11385	0.13834041	0.00274	0.090176	0.05148
3.20E-05	-0.09186	0.04725	-0.02988	0.51953	0.08171089	0.07773	0.110524	0.01688
0.72064	-0.27853	9.09E-10	-0.09664	0.03682	0.00021942	0.99623	-0.03221	0.48751
0.48821	-0.38114	1.35E-17	-0.12975	0.00498	0.08514872	0.06599	0.075611	0.10269
0.67433	-0.06575	0.15601	0.055697	0.22962	0.26753714	4.27E-09	0.166003	0.00031
0.50741	-0.42834	2.92E-22	-0.32171	1.05E-12	0.02993895	0.51867	0.04227	0.36208
0.20205	-0.43243	1.06E-22	-0.2343	3.03E-07	0.09269677	0.04527	0.19605	1.98E-05
0.00318	-0.09637	0.03736	-0.04472	0.33484	0.17094649	0.00021	0.283126	4.67E-10
0.59289	-0.18904	3.93E-05	-0.0747	0.10694	0.01895954	0.68279	0.081155	0.07978

0.30521	-0.31355	4.11E-12	-0.13233	0.00418	-0.0084294	0.85584	0.065634	0.15675
0.00345	-0.08035	0.08282	-0.02847	0.53939	-0.0141108	0.76103	-0.00442	0.92407
0.35514	-0.23946	1.63E-07	-0.11179	0.01565	-0.0324062	0.4848	-0.03087	0.50581
0.04908	-0.27076	2.73E-09	-0.22647	7.60E-07	0.12171397	0.00846	0.278983	8.52E-10
0.76273	-0.45493	3.11E-25	-0.23116	4.41E-07	0.01077295	0.81639	0.009334	0.84057
0.47526	-0.17793	0.00011	-0.10944	0.01799	0.05886542	0.20416	0.082964	0.07327
4.23E-25	-0.09857	0.0332	0.037364	0.42049	0.03502026	0.45025	0.010572	0.81976
0.09582	-0.59322	9.95E-46	-0.36239	6.12E-16	-0.0158858	0.73205	0.050331	0.27773
1.36E-05	-0.15459	0.0008	-0.13074	0.00466	0.14430444	0.00177	0.277097	1.12E-09
0.00323	-0.40596	5.90E-20	-0.25989	1.20E-08	0.08874869	0.0553	0.182096	7.57E-05
0.90533	-0.18044	8.82E-05	-0.0415	0.37084	0.28972107	1.75E-10	0.262206	8.82E-09
0.06424	-0.19037	3.46E-05	-0.12532	0.00669	0.1987574	1.51E-05	0.323273	8.04E-13
0.91748	-0.29419	8.90E-11	-0.16111	0.00047	0.1263076	0.00627	0.177347	0.00012
0.07654	-0.28893	1.97E-10	-0.20777	5.97E-06	-0.013346	0.77362	0.007508	0.87146
0.04183	-0.39847	3.20E-19	-0.12879	0.00532	0.14500247	0.00168	0.199415	1.41E-05
0.21701	-0.26536	5.75E-09	-0.08317	0.07255	0.11749039	0.01105	0.187827	4.42E-05
0.66166	0.206774	6.63E-06	0.241642	1.25E-07	0.35834881	1.35E-15	0.197175	1.77E-05
0.12834	0.254515	2.44E-08	0.243563	9.83E-08	-0.14956	0.00119	-0.16855	0.00025
0.48053	-0.35175	4.78E-15	-0.21164	3.96E-06	-0.1786813	0.0001	-0.17993	9.24E-05
0.97051	0.153838	0.00085	0.213653	3.18E-06	0.11976302	0.00958	-0.06398	0.16748
0.87134	-0.37997	1.73E-17	-0.17133	0.0002	0.07714983	0.09587	0.099536	0.03151
0.24494	-0.17264	0.00018	-0.20188	1.10E-05	-0.270343	2.90E-09	-0.26728	4.42E-09
0.23273	0.417652	3.87E-21	0.331062	2.09E-13	-0.2313808	4.29E-07	-0.32099	1.19E-12
0.01926	-0.6183	1.35E-50	-0.4543	3.68E-25	-0.3456471	1.50E-14	-0.35544	2.36E-15
0.14993	-0.30925	8.30E-12	-0.16164	0.00045	0.04803999	0.30022	0.147813	0.00136
0.06742	-0.17799	0.00011	-0.00999	0.82961	0.18012426	9.07E-05	0.269544	3.24E-09
0.36971	-0.36466	3.91E-16	-0.17998	9.19E-05	0.01982814	0.6691	0.061046	0.18787
0.00022	-0.53573	4.78E-36	-0.27819	9.55E-10	0.151654	0.00101	0.284923	3.58E-10
0.91291	-0.42435	7.75E-22	-0.20593	7.25E-06	0.09663798	0.03683	0.189747	3.67E-05
0.1502	-0.21055	4.44E-06	-0.10623	0.02168	0.02340063	0.61398	-0.0504	0.27706
0.31385	-0.3906	1.80E-18	-0.08645	0.06195	0.24336145	1.01E-07	0.157434	0.00064
0.14754	-0.35917	1.15E-15	-0.32944	2.77E-13	0.09876846	0.03285	0.338865	5.19E-14
0.59971	-0.37642	3.62E-17	-0.18959	3.73E-05	0.02441297	0.59873	0.115363	0.01261
0.12373	-0.27605	1.30E-09	-0.04175	0.36798	0.34918119	7.75E-15	0.489052	1.88E-29
0.29078	-0.35785	1.48E-15	-0.23392	3.18E-07	0.08978637	0.0525	0.185464	5.53E-05
0.00111	-0.19759	1.70E-05	-0.09059	0.05042	0.13165339	0.00437	0.101206	0.02875
0.052	-0.29902	4.22E-11	-0.06811	0.14166	0.1319964	0.00427	0.181629	7.90E-05
0.49878	-0.49993	6.72E-31	-0.26307	7.85E-09	0.07690493	0.09693	0.07217	0.11936
2.93E-12	-0.42005	2.18E-21	-0.27546	1.41E-09	0.10226848	0.02711	0.203313	9.50E-06
0.01909	-0.34131	3.33E-14	-0.21219	3.73E-06	0.15616133	0.00071	0.179332	9.75E-05
0.90632	-0.46793	8.73E-27	-0.16573	0.00032	0.06623127	0.153	0.091282	0.04867
0.00015	0.177784	0.00011	0.103371	0.02549	-0.154479	0.00081	-0.2917	1.30E-10
0.87203	-0.41808	3.49E-21	-0.25861	1.42E-08	0.136586	0.0031	0.211237	4.13E-06
0.31588	-0.35534	2.41E-15	-0.1044	0.02405	0.0477659	0.30299	0.071991	0.12028
0.7654	-0.34864	8.58E-15	-0.06808	0.14182	0.1790217	0.0001	0.077903	0.09266

0.15474	-0.33916	4.92E-14	-0.14616	0.00154	0.25041278	4.14E-08	0.32658	4.56E-13
7.60E-05	-0.40926	2.77E-20	-0.17826	0.00011	0.21369476	3.17E-06	0.146769	0.00147
0.47996	-0.39147	1.49E-18	-0.18423	6.21E-05	0.07032272	0.12914	0.173772	0.00016
0.67458	-0.21873	1.82E-06	-0.00831	0.85784	-0.00164	0.9718	-0.03769	0.4164
0.46076	-0.37983	1.78E-17	-0.13673	0.00307	-0.0129924	0.77946	-0.00424	0.92719
0.28263	-0.36263	5.84E-16	-0.19873	1.52E-05	0.07831936	0.09092	0.139311	0.00255
0.01596	-0.34467	1.79E-14	-0.04053	0.3822	0.23061134	4.70E-07	0.389601	2.24E-18
0.00221	-0.27958	7.81E-10	-0.10708	0.02065	0.31905703	1.64E-12	0.356769	1.83E-15
0.30728	-0.45638	2.10E-25	-0.24477	8.46E-08	0.05773904	0.21297	0.118492	0.01038
0.52179	-0.22118	1.39E-06	-0.04622	0.31896	0.09926005	0.03199	0.145428	0.00163
0.98247	-0.35341	3.49E-15	-0.16304	0.0004	0.17764601	0.00011	0.326168	4.89E-13
0.12503	-0.37973	1.82E-17	-0.18093	8.42E-05	0.13339731	0.00388	0.213705	3.17E-06
0.4212	-0.29659	6.15E-11	-0.08296	0.0733	0.2130164	3.41E-06	0.340208	4.07E-14
0.57773	-0.29271	1.12E-10	-0.13901	0.00261	0.13802966	0.0028	0.219151	1.74E-06
0.00117	-0.1957	2.05E-05	-0.13699	0.00301	-0.0103789	0.82299	0.000619	0.98935
5.47E-08	-0.13535	0.00338	-0.02663	0.56587	0.07337934	0.11328	0.099224	0.03205
4.86E-13	-0.11089	0.01651	0.058746	0.20508	0.40604005	5.79E-20	0.451646	7.48E-25
0.37083	-0.41986	2.28E-21	-0.26568	5.50E-09	0.07708021	0.09617	0.232435	3.79E-07
4.44E-31	-0.31556	2.95E-12	-0.19784	1.66E-05	0.12333633	0.00762	0.198486	1.55E-05
0.21035	-0.41015	2.25E-20	-0.17942	9.67E-05	0.04851728	0.29543	0.078952	0.08833
0.4235	0.324764	6.23E-13	0.349068	7.92E-15	0.08002501	0.08408	-0.0911	0.04912
0.99898	0.477416	5.84E-28	0.389871	2.11E-18	-0.1317543	0.00434	-0.14661	0.00149
0.54062	0.396006	5.52E-19	0.236344	2.38E-07	0.07526057	0.1043	-0.03636	0.43316
0.00019	-0.02129	0.64625	0.219596	1.66E-06	0.28264861	5.00E-10	0.272857	2.04E-09
0.3916	-0.27117	2.58E-09	-0.08892	0.05482	0.16757296	0.00028	0.174515	0.00015
0.00188	-0.25575	2.08E-08	-0.05949	0.19937	0.41593252	5.82E-21	0.414296	8.55E-21
0.77642	-0.03147	0.49753	0.051797	0.26396	0.18914972	3.89E-05	0.301801	2.73E-11
0.88408	-0.03966	0.39245	-0.07926	0.0871	0.15111844	0.00105	0.251058	3.82E-08
0.06088	-0.49695	1.69E-30	-0.21832	1.91E-06	0.11955745	0.00971	0.19182	3.01E-05
0.03622	-0.16401	0.00037	0.081729	0.07766	0.26862906	3.67E-09	0.264386	6.57E-09
0.44548	-0.33324	1.42E-13	-0.14804	0.00133	0.19866298	1.53E-05	0.336138	8.47E-14
0.00109	0.308446	9.45E-12	0.656501	6.52E-59	0.32972375	2.64E-13	1.61E-05	0.99972
0.22519	-0.32127	1.13E-12	-0.25478	2.36E-08	-0.1423995	0.00204	-0.14153	0.00217
0.96523	-0.34458	1.82E-14	-0.15903	0.00056	0.12446201	0.00708	0.119222	0.00992
1.28E-08	0.135465	0.00336	0.014639	0.75237	-0.0806773	0.08158	-0.07769	0.09356
0.05674	-0.37113	1.07E-16	-0.15775	0.00062	-0.0194531	0.675	-0.02793	0.5471
0.5841	-0.25061	4.04E-08	0.018978	0.6825	0.40020393	2.17E-19	0.439716	1.68E-23
0.61015	-0.21284	3.48E-06	-0.06307	0.17363	0.18566263	5.42E-05	0.259295	1.30E-08
0.91858	-0.39403	8.52E-19	-0.18825	4.24E-05	0.05517124	0.23406	0.13495	0.00348
0.69641	-0.54707	8.23E-38	-0.19273	2.75E-05	0.07329448	0.1137	0.037022	0.42476
0.78389	-0.10219	0.02723	-0.01373	0.7673	0.36894361	1.66E-16	0.451195	8.43E-25
0.85719	-0.40232	1.35E-19	-0.17075	0.00021	0.02434258	0.59978	0.013278	0.77474
0.85009	-0.39458	7.55E-19	-0.14388	0.00183	0.2669499	4.63E-09	0.433251	8.62E-23
4.85E-08	-0.38782	3.28E-18	-0.27219	2.24E-09	0.11394368	0.01375	0.303622	2.05E-11
3.03E-05	-0.20988	4.77E-06	-0.09385	0.04264	0.23694004	2.21E-07	0.207573	6.10E-06

4.76E-05	-0.24624	7.04E-08	-0.08555	0.06471	0.27805731	9.73E-10	0.237443	2.08E-07
0.13409	-0.35109	5.41E-15	-0.18477	5.90E-05	0.1729796	0.00017	0.359216	1.14E-15
0.00064	-0.29445	8.55E-11	-0.25626	1.94E-08	-0.041694	0.36866	-0.14963	0.00118
0.33558	-0.05932	0.20067	0.037309	0.42119	0.1442025	0.00178	0.157147	0.00065
0.00118	-0.14356	0.00187	0.022121	0.63349	0.21466454	2.85E-06	0.307825	1.05E-11
0.78906	-0.34942	7.41E-15	-0.18669	4.92E-05	-0.033558	0.4694	-0.01578	0.73377
2.85E-05	-0.21371	3.17E-06	-0.22019	1.55E-06	0.01328863	0.77456	0.177852	0.00011
0.80886	0.56286	2.22E-40	0.591686	1.92E-45	0.301899	2.69E-11	0.149314	0.00121
0.13706	-0.47189	2.86E-27	-0.24711	6.30E-08	0.06651464	0.15125	0.082776	0.07392
0.08087	-0.51574	4.25E-33	-0.19958	1.39E-05	0.04015872	0.38657	0.065901	0.15507
0.31301	-0.32615	4.90E-13	-0.1161	0.01205	0.19433926	2.35E-05	0.299003	4.23E-11
0.00614	-0.2004	1.28E-05	-0.01059	0.81949	0.24955711	4.62E-08	0.321254	1.13E-12
3.29E-12	-0.30623	1.35E-11	-0.14235	0.00204	0.09533102	0.03947	0.125655	0.00655
0.02205	-0.01915	0.67979	-0.01569	0.73531	0.09742434	0.03532	0.068699	0.13824
0.78709	-0.05789	0.21181	-0.15055	0.0011	0.05741886	0.21552	0.183382	6.72E-05
0.00172	-0.15355	0.00087	-0.0597	0.19779	0.09386547	0.04261	0.075375	0.10378
0.30571	-0.05916	0.20187	-0.06169	0.18322	0.05235716	0.25882	0.167063	0.00029
0.00978	0.444859	4.46E-24	0.342972	2.45E-14	0.38637813	4.47E-18	0.465059	1.95E-26
0.55072	-0.29848	4.59E-11	-0.03564	0.44221	0.01580128	0.73342	0.17617	0.00013
0.61866	-0.07552	0.1031	-0.00591	0.89872	0.13997795	0.00243	0.224577	9.44E-07
0.00051	0.068766	0.13785	0.005903	0.89877	-0.0700171	0.13082	-0.19932	1.43E-05
0.04236	-0.47668	7.23E-28	-0.23076	4.62E-07	0.13527645	0.0034	0.19086	3.30E-05
0.00084	-0.07569	0.10233	0.107415	0.02025	0.26091532	1.05E-08	0.335703	9.16E-14
0.80574	-0.11506	0.01284	-0.1155	0.0125	0.11929288	0.00987	0.216412	2.36E-06
0.95947	-0.39296	1.08E-18	-0.32395	7.16E-13	-0.0157607	0.73408	0.114376	0.01339
0.94829	-0.10002	0.03068	-0.07102	0.12536	0.03889466	0.4017	0.09088	0.04968
0.6201	-0.11156	0.01587	-0.08279	0.07389	0.04786022	0.30203	0.107073	0.02065
0.49595	-0.25509	2.26E-08	-0.21969	1.64E-06	0.00890666	0.84777	-0.0299	0.51928
0.19896	-0.53762	2.45E-36	-0.33771	6.38E-14	0.07017671	0.12994	0.212844	3.47E-06
0.00112	-0.27138	2.50E-09	-0.03732	0.42102	0.30233807	2.51E-11	0.384792	6.27E-18
0.01641	0.250044	4.34E-08	0.330649	2.24E-13	-0.0214296	0.64415	-0.16558	0.00033
6.05E-07	-0.40022	2.16E-19	-0.32542	5.57E-13	-0.0067251	0.88476	0.164337	0.00036
0.0012	-0.40439	8.44E-20	-0.25821	1.50E-08	0.11375466	0.01391	0.248766	5.11E-08
0.00918	-0.41933	2.59E-21	-0.32677	4.40E-13	-0.0587384	0.20514	0.106789	0.02099
0.00093	-0.49507	3.02E-30	-0.26865	3.66E-09	-0.0700974	0.13038	-0.11656	0.01171
0.94219	-0.38246	1.03E-17	-0.18497	5.79E-05	0.04027479	0.38519	0.107395	0.02027
0.33934	-0.1904	3.45E-05	-0.06746	0.14551	0.06124717	0.18642	-0.02971	0.52185
6.11E-09	-0.29199	1.24E-10	-0.14846	0.00129	0.17606482	0.00013	0.150813	0.00108
0.13326	0.260365	1.13E-08	-0.01345	0.77182	-0.1992313	1.44E-05	-0.21641	2.36E-06
1.28E-05	0.333548	1.34E-13	0.156341	0.0007	-0.1242078	0.0072	-0.13415	0.00368
0.92116	-0.0889	0.05489	-0.05036	0.27745	0.16968619	0.00023	0.160907	0.00048
0.28875	-0.27213	2.26E-09	-0.0472	0.30877	0.3023049	2.52E-11	0.342139	2.86E-14
0.00034	-0.22768	6.61E-07	-0.09636	0.03737	0.24189435	1.21E-07	0.281938	5.55E-10
0.06629	-0.12722	0.0059	0.132169	0.00422	0.26403778	6.88E-09	0.14008	0.00241
0.35807	-0.54127	6.69E-37	-0.28706	2.61E-10	0.05306614	0.25242	0.003077	0.94713

0.05357	-0.00333	0.94281	-0.00606	0.89611	0.07055212	0.12789	0.180332	8.90E-05
0.03951	-0.24003	1.52E-07	-0.06807	0.14187	0.28097901	6.38E-10	0.460223	7.40E-26
0.45813	-0.16635	0.00031	-0.06509	0.16021	0.15221272	0.00097	0.105095	0.02313
1.03E-05	-0.3931	1.05E-18	-0.11044	0.01696	0.12422354	0.00719	0.070349	0.129
0.01547	-0.17252	0.00018	0.009285	0.84139	0.22841124	6.07E-07	0.19175	3.03E-05
0.21757	-0.13661	0.0031	-0.00538	0.90769	0.28548293	3.30E-10	0.354226	2.98E-15
0.70065	-0.41637	5.24E-21	-0.24245	1.13E-07	-0.2173063	2.14E-06	-0.34087	3.60E-14
0.00052	0.58872	6.71E-45	0.602769	1.57E-47	0.1314526	0.00443	-0.00036	0.99374
0.00769	-0.14299	0.00195	-0.01886	0.68436	0.15498664	0.00078	0.196293	1.94E-05
0.40291	-0.30957	7.88E-12	-0.21357	3.21E-06	0.07449946	0.10786	0.224987	9.01E-07
0.44612	-0.26443	6.53E-09	-0.20267	1.01E-05	0.07724125	0.09547	0.219017	1.77E-06
0.19154	0.29497	7.90E-11	0.238744	1.78E-07	0.06952143	0.13357	-0.1481	0.00133
0.93978	-0.38581	5.05E-18	-0.21111	4.19E-06	0.08806902	0.0572	0.18499	5.78E-05
0.00413	-0.29561	7.16E-11	-0.12291	0.00783	0.12629486	0.00628	0.205447	7.62E-06
0.00025	-0.2516	3.56E-08	-0.11016	0.01724	0.14548047	0.00162	0.233822	3.21E-07
0.38246	-0.16248	0.00042	-0.14311	0.00193	-0.0201095	0.66469	0.042246	0.36235
0.04229	-0.17717	0.00012	0.005166	0.91135	0.08143982	0.07872	0.007132	0.87784
0.26295	-0.16213	0.00044	0.044464	0.33767	0.26621308	5.12E-09	0.399747	2.40E-19
0.53225	-0.27939	8.03E-10	-0.28626	2.94E-10	-0.1556274	0.00074	-0.15054	0.0011
2.16E-07	0.144709	0.00172	0.06503	0.16061	-0.0708006	0.12655	-0.18776	4.44E-05
0.00176	0.318611	1.77E-12	0.347064	1.15E-14	0.05553512	0.23098	-0.12001	0.00944
0.06786	-0.10394	0.02468	-0.00772	0.86791	0.22194354	1.27E-06	0.254976	2.30E-08
0.10609	-0.21213	3.75E-06	-0.09947	0.03163	0.04438715	0.33851	0.054773	0.23746
0.78646	-0.42743	3.65E-22	-0.20549	7.58E-06	0.2485511	5.25E-08	0.235748	2.55E-07
4.07E-13	0.292567	1.14E-10	0.200978	1.21E-05	0.05060879	0.27508	0.047012	0.31069
0.39397	-0.55169	1.51E-38	-0.31898	1.67E-12	-0.048008	0.30054	-0.09354	0.04334
0.21026	0.214357	2.95E-06	0.24175	1.23E-07	-0.0273581	0.55536	-0.15997	0.00052
2.47E-06	-0.25115	3.77E-08	-0.13606	0.00322	0.13712526	0.00298	0.236465	2.34E-07
0.66451	-0.36596	3.02E-16	-0.15592	0.00072	0.19601947	1.99E-05	0.352481	4.16E-15
0.09697	0.18504	5.75E-05	0.10009	0.03057	-0.055403	0.2321	0.001727	0.97031
0.00036	-0.00315	0.94584	0.022902	0.62155	0.1955441	2.09E-05	0.184029	6.32E-05
0.12846	0.30148	2.87E-11	0.11528	0.01267	-0.1285082	0.00542	-0.24976	4.51E-08
0.06702	0.010609	0.81914	0.05337	0.24971	0.15614957	0.00071	0.206345	6.94E-06
0.235	-0.34862	8.60E-15	-0.20578	7.36E-06	0.1417362	0.00214	0.230826	4.58E-07
0.88905	-0.12029	0.00927	0.070157	0.13005	0.27059006	2.80E-09	0.274573	1.60E-09
0.12364	-0.30259	2.41E-11	-0.15468	0.0008	0.1243996	0.00711	0.209905	4.76E-06
0.9578	-0.41148	1.65E-20	-0.20896	5.26E-06	0.10449432	0.02393	0.144984	0.00168
0.43328	-0.40653	5.18E-20	-0.14754	0.00139	0.19373005	2.49E-05	0.286134	3.00E-10
0.01253	-0.25464	2.40E-08	-0.18818	4.27E-05	-0.0135906	0.76958	0.049773	0.2831
0.75816	-0.40934	2.71E-20	-0.18169	7.86E-05	0.12807438	0.00558	0.188142	4.29E-05
0.46401	-0.2708	2.72E-09	-0.18818	4.27E-05	-0.0488432	0.2922	-0.02	0.66641
0.00388	-0.26518	5.89E-09	-0.12156	0.00855	0.04570593	0.32434	0.099544	0.0315
6.04E-07	-0.41556	6.35E-21	-0.25844	1.46E-08	0.0704065	0.12869	0.238814	1.76E-07
1.74E-09	-0.23735	2.11E-07	-0.1669	0.00029	-0.0025656	0.9559	-0.02995	0.51857
0.33168	-0.3117	5.57E-12	-0.06331	0.17197	0.16248571	0.00042	0.16553	0.00033

0.91588	0.091016	0.04934	0.136479	0.00312	0.36621801	2.87E-16	0.332992	1.48E-13
0.21759	-0.30508	1.62E-11	-0.37743	2.94E-17	-0.3033673	2.13E-11	-0.17176	0.00019
0.17391	-0.29593	6.81E-11	-0.14439	0.00176	0.06062156	0.19096	0.174215	0.00015
6.53E-08	-0.20732	6.26E-06	-0.00075	0.98712	0.1489713	0.00124	0.098343	0.03361
0.05179	-0.25419	2.55E-08	-0.11158	0.01227	0.01979233	0.66966	0.182781	7.10E-05
0.80981	-0.25496	2.30E-08	-0.04498	0.33211	0.3165516	2.50E-12	0.218726	1.82E-06
0.11738	-0.46391	2.68E-26	-0.22855	5.97E-07	0.05828367	0.20868	0.154169	0.00083
0.74671	-0.32971	2.64E-13	-0.26411	6.82E-09	0.09559135	0.03893	0.149502	0.00119
0.63424	-0.1752	0.00014	-0.07266	0.11684	0.10459543	0.02379	0.23216	3.91E-07
0.74404	0.222934	1.14E-06	0.099043	0.03237	-0.226943	7.20E-07	-0.32277	8.76E-13
1.57E-11	-0.35533	2.41E-15	-0.169	0.00024	0.03796884	0.41301	0.064966	0.16102
0.97752	0.2886	2.07E-10	0.238066	1.93E-07	0.1259398	0.00643	0.074701	0.10691
0.02461	-0.21273	3.52E-06	-0.16637	0.00031	-0.0600501	0.19519	-0.00119	0.97962
0.00929	-0.20717	6.36E-06	-0.12352	0.00753	0.24822854	5.47E-08	0.393348	9.90E-19
0.4926	-0.44652	2.89E-24	-0.17846	0.00011	0.15963104	0.00053	0.200784	1.23E-05
0.47398	-0.42605	5.11E-22	-0.27362	1.83E-09	0.07003191	0.13074	0.092816	0.04499
0.34784	-0.44673	2.74E-24	-0.18338	6.72E-05	0.05652574	0.22276	0.074186	0.10936
0.00099	-0.53539	5.39E-36	-0.34376	2.12E-14	0.03844259	0.4072	0.1103	0.0171
7.37E-05	-0.02484	0.59234	-0.04445	0.33787	0.00048637	0.99164	-0.00471	0.91917
0.4536	-0.43639	3.92E-23	-0.18422	6.21E-05	0.14168879	0.00215	0.229688	5.23E-07
0.43769	-0.11728	0.0112	-0.02334	0.61484	0.25067391	4.01E-08	0.413408	1.05E-20
0.74523	-0.22571	8.29E-07	-0.01818	0.69511	0.01957695	0.67305	-0.09764	0.03491
0.28572	-0.31724	2.23E-12	-0.13266	0.00408	-0.0480445	0.30017	-0.01878	0.6857
0.8047	-0.16338	0.00039	-0.17009	0.00022	0.05730992	0.21639	0.15453	0.00081
0.7286	-0.42661	4.47E-22	-0.21651	2.33E-06	0.05615996	0.22577	0.124884	0.00689
7.89E-14	-0.19332	2.60E-05	-0.0973	0.03555	0.08390163	0.07007	0.227235	6.96E-07
0.4588	-0.41779	3.75E-21	-0.22271	1.17E-06	0.10015595	0.03046	0.224275	9.77E-07
0.64698	-0.50149	4.13E-31	-0.24539	7.82E-08	0.05739331	0.21572	0.15401	0.00084
0.96079	-0.45546	2.70E-25	-0.23792	1.97E-07	0.08747502	0.0589	0.133793	0.00377
2.12E-06	-0.14145	0.00218	-0.01894	0.68316	-0.0129188	0.78067	-0.10436	0.02411
0.55435	-0.53681	3.27E-36	-0.2878	2.34E-10	0.04370965	0.34594	0.141416	0.00219
0.06192	-0.30612	1.38E-11	-0.15887	0.00057	0.08764626	0.05841	0.153825	0.00085
0.93528	-0.33526	9.91E-14	-0.17782	0.00011	-0.0240764	0.60378	0.031552	0.49638
0.52346	-0.3048	1.70E-11	-0.17834	0.00011	0.04671355	0.31377	0.159273	0.00055
1.60E-06	-0.36281	5.64E-16	-0.2642	6.73E-09	0.15753058	0.00063	0.285547	3.27E-10
5.55E-07	-0.21722	2.15E-06	-0.08329	0.07215	0.10508231	0.02314	0.258216	1.50E-08
0.57564	0.430658	1.64E-22	0.234584	2.94E-07	-0.0315596	0.49628	-0.20047	1.27E-05
0.4247	-0.13547	0.00336	0.181903	7.70E-05	0.50528518	1.25E-31	0.430558	1.69E-22
0.19858	-0.40494	7.45E-20	-0.13239	0.00416	0.15700306	0.00066	0.16052	0.0005
0.02847	-0.4077	3.96E-20	-0.21904	1.76E-06	0.11302001	0.01454	0.187607	4.51E-05
0.97011	0.022515	0.62746	-0.0157	0.73502	0.26776471	4.14E-09	0.299028	4.22E-11
0.11603	-0.11049	0.01691	-0.14052	0.00234	0.00219258	0.96231	0.065957	0.15471
9.86E-05	-0.39354	9.49E-19	-0.14606	0.00155	0.14490591	0.00169	0.177407	0.00012
7.48E-10	-0.13886	0.00264	-0.05189	0.2631	0.21840526	1.89E-06	0.258987	1.36E-08
0.10821	-0.06971	0.13255	0.021302	0.64612	0.08419434	0.06909	0.085614	0.06452

0.51952	-0.35316	3.66E-15	-0.18568	5.41E-05	0.14503314	0.00168	0.203408	9.41E-06
0.64922	-0.32097	1.19E-12	-0.22585	8.16E-07	-0.0030431	0.94771	0.086763	0.061
0.75038	-0.22078	1.45E-06	-0.12978	0.00497	0.14941165	0.0012	0.234717	2.89E-07
0.98434	-0.22487	9.14E-07	-0.07549	0.10326	0.14636627	0.00152	0.067195	0.1471
0.11811	-0.23569	2.57E-07	-0.01767	0.70335	0.36359017	4.83E-16	0.371654	9.61E-17
0.37163	-0.49676	1.80E-30	-0.27366	1.82E-09	-0.0018257	0.96861	-0.01337	0.7733
0.28015	-0.44713	2.47E-24	-0.21273	3.52E-06	0.21886343	1.80E-06	0.273042	1.98E-09
0.39172	-0.22383	1.03E-06	-0.07349	0.11272	0.33409385	1.22E-13	0.488469	2.24E-29
0.0921	-0.29486	8.04E-11	-0.10396	0.02466	0.29412487	8.99E-11	0.427182	3.88E-22
0.97661	-0.31748	2.14E-12	-0.05529	0.23304	0.27559335	1.38E-09	0.28262	5.02E-10
0.07575	-0.45729	1.65E-25	-0.45056	9.98E-25	-0.0815398	0.07836	0.063035	0.17386
0.60207	-0.43872	2.17E-23	-0.18704	4.76E-05	0.06663395	0.15052	0.130178	0.00484
0.71227	0.445352	3.92E-24	0.409651	2.53E-20	0.00212414	0.96349	-0.01228	0.79118
0.97825	-0.2398	1.56E-07	-0.19454	2.30E-05	0.11885958	0.01015	0.234093	3.11E-07
0.00861	-0.23943	1.64E-07	-0.14497	0.00168	0.08598886	0.06335	0.246868	6.50E-08
2.02E-06	-0.31511	3.18E-12	-0.13538	0.00338	0.221075	1.40E-06	0.369469	1.50E-16
0.32595	-0.38282	9.51E-18	-0.17213	0.00019	0.05468648	0.2382	0.142821	0.00197
0.05355	-0.42395	8.54E-22	-0.26892	3.53E-09	0.17931586	9.77E-05	0.31805	1.95E-12
0.00746	-0.0451	0.3308	0.029494	0.52491	0.31298536	4.51E-12	0.439484	1.78E-23
0.00064	-0.17715	0.00012	-0.10218	0.02724	-0.0891848	0.05411	-0.18334	6.74E-05
0.02619	-0.4495	1.32E-24	-0.19927	1.44E-05	-0.0934979	0.04343	-0.08546	0.06499
0.68603	-0.18618	5.16E-05	-0.03219	0.48776	0.07038035	0.12883	0.035663	0.44197
0.02732	-0.40987	2.40E-20	-0.12412	0.00724	0.45347423	4.59E-25	0.543281	3.26E-37
4.49E-12	-0.14668	0.00148	-0.01605	0.72939	0.17190636	0.00019	0.234093	3.11E-07
0.01285	-0.26149	9.71E-09	-0.1477	0.00137	0.12196137	0.00833	0.236874	2.23E-07
0.00827	0.049885	0.28201	0.191751	3.03E-05	0.30968229	7.74E-12	0.338382	5.66E-14
0.51792	-0.06523	0.15934	0.154709	0.00079	0.45742519	1.58E-25	0.464662	2.18E-26
0.78629	-0.26877	3.60E-09	-0.08384	0.07026	0.07747881	0.09445	0.168949	0.00024
0.81321	-0.18131	8.13E-05	-0.25435	2.49E-08	-0.0022498	0.96133	0.049129	0.28938
0.45468	-0.1405	0.00234	-0.01599	0.73033	0.10934563	0.01809	0.169158	0.00024
0.58815	0.214106	3.03E-06	0.04552	0.32632	-0.1209501	0.00889	-0.26369	7.22E-09
0.57748	-0.40671	4.97E-20	-0.19925	1.44E-05	0.03496799	0.45093	0.103128	0.02584
0.00975	-0.09617	0.03775	0.105183	0.02301	0.17222206	0.00018	0.135992	0.00323
0.29653	0.018505	0.69	-0.05401	0.24404	-0.1710574	0.0002	-0.18665	4.94E-05
0.62782	0.431059	1.49E-22	0.445348	3.93E-24	0.05555008	0.23086	-0.16051	0.0005
0.91376	-0.34976	6.95E-15	-0.22125	1.38E-06	0.12486102	0.0069	0.223562	1.06E-06
0.09237	-0.30556	1.50E-11	-0.12173	0.00846	0.18372228	6.51E-05	0.224605	9.41E-07
0.0618	-0.46733	1.03E-26	-0.15463	0.0008	0.0439702	0.34307	-0.02861	0.5374
0.14643	-0.27062	2.79E-09	-0.11042	0.01698	0.17052348	0.00021	0.239643	1.59E-07
0.77908	-0.36163	7.10E-16	-0.10651	0.02133	0.06520194	0.1595	0.11617	0.012
0.01765	-0.22324	1.10E-06	-0.15518	0.00077	0.12961274	0.00503	0.258668	1.41E-08
0.66885	-0.29808	4.89E-11	-0.24478	8.44E-08	0.01835845	0.69233	0.187817	4.42E-05
0.49429	-0.17909	9.97E-05	-0.17633	0.00013	0.00416838	0.92842	0.023085	0.61876
7.63E-05	-0.16427	0.00036	-0.02023	0.66273	0.10210304	0.02736	0.123622	0.00748
0.32736	0.099876	0.03093	0.050413	0.27695	-0.0274312	0.55431	-0.09983	0.03101

0.10013	-0.34818	9.34E-15	-0.21565	2.56E-06	0.11685077	0.0115	0.173722	0.00016
0.00992	-0.3613	7.58E-16	-0.25767	1.61E-08	0.13362506	0.00382	0.254174	2.55E-08
0.71681	-0.26792	4.05E-09	-0.1328	0.00404	0.04086248	0.37829	0.066096	0.15384
0.90143	-0.17647	0.00013	-0.03145	0.49776	0.09680153	0.03651	0.123766	0.00741
0.00635	-0.41534	6.69E-21	-0.21063	4.41E-06	-0.147108	0.00143	-0.22385	1.03E-06
0.66876	-0.36382	4.62E-16	-0.15936	0.00055	0.14832583	0.00131	0.259431	1.28E-08
0.00408	0.27208	2.27E-09	0.225869	8.14E-07	-0.0589659	0.20339	-0.2796	7.79E-10
0.48862	-0.22676	7.35E-07	-0.12459	0.00702	0.14059758	0.00232	0.217991	1.98E-06
0.03662	-0.2946	8.36E-11	-0.04665	0.31446	-0.0171829	0.71112	-0.0972	0.03573
0.00546	-0.35993	9.92E-16	-0.21037	4.53E-06	0.0713273	0.12375	0.048023	0.30038
0.02449	-0.31734	2.19E-12	-0.13498	0.00347	0.20344038	9.38E-06	0.168041	0.00026
0.80093	-0.14729	0.00141	-0.01473	0.75092	0.26243512	8.55E-09	0.306006	1.40E-11
0.17362	-0.30091	3.14E-11	-0.22295	1.14E-06	0.04348187	0.34846	0.221733	1.30E-06
0.26825	-0.38298	9.20E-18	-0.13901	0.00261	0.05942399	0.19989	0.115021	0.01287
0.08619	-0.23849	1.83E-07	-0.14899	0.00124	-0.1329365	0.004	-0.15321	0.0009
0.00405	-0.24205	1.19E-07	-0.17154	0.0002	0.03520769	0.44783	0.011094	0.81103
0.37803	-0.26379	7.11E-09	-0.18611	5.20E-05	0.02074561	0.65476	0.080449	0.08244
0.2583	-0.33114	2.06E-13	-0.14708	0.00144	0.01600648	0.7301	0.072113	0.11966
0.25635	-0.24058	1.42E-07	-0.11574	0.01232	0.03432314	0.45932	0.047129	0.30949
0.01235	-0.35174	4.78E-15	-0.19951	1.40E-05	0.10879065	0.01869	0.231462	4.25E-07
0.60847	0.163091	0.0004	0.235295	2.70E-07	-0.0742181	0.1092	-0.14757	0.00138
0.32373	0.336214	8.36E-14	0.216972	2.22E-06	0.15892995	0.00057	0.011839	0.79859
0.6256	-0.54187	5.40E-37	-0.28144	5.97E-10	0.09247588	0.04579	0.172047	0.00019
0.12119	-0.24208	1.18E-07	-0.10358	0.02519	0.08934617	0.05367	0.113834	0.01384
0.44361	-0.35177	4.76E-15	-0.1745	0.00015	0.12601082	0.0064	0.140767	0.0023
0.29595	-0.05233	0.25904	0.098664	0.03304	0.21885202	1.80E-06	0.183767	6.48E-05
0.65499	-0.39438	7.89E-19	-0.23727	2.12E-07	-0.1579159	0.00061	-0.04748	0.30591
4.82E-08	-0.1983	1.58E-05	-0.19257	2.80E-05	-0.042032	0.36478	0.105405	0.02272
0.13338	-0.39979	2.38E-19	-0.1864	5.06E-05	-0.0314388	0.49793	-0.04526	0.32905
0.01361	0.027315	0.55599	-0.06093	0.18868	-0.1996477	1.38E-05	-0.20301	9.80E-06
0.00227	0.390288	1.93E-18	0.370204	1.29E-16	0.05344156	0.24907	-0.05895	0.20352
0.14437	0.554466	5.36E-39	0.473981	1.57E-27	0.13373819	0.00379	-0.01751	0.70587
0.66832	-0.52668	1.09E-34	-0.20621	7.03E-06	0.00052619	0.99095	0.002062	0.96454
0.32199	-0.34639	1.31E-14	-0.19099	3.26E-05	-0.0050087	0.91404	0.065707	0.15629
0.14839	-0.28763	2.40E-10	-0.26837	3.81E-09	0.03856918	0.40566	0.186438	5.04E-05
0.00036	-0.44718	2.43E-24	-0.14617	0.00154	0.35508792	2.53E-15	0.335475	9.54E-14
0.99825	-0.44862	1.67E-24	-0.18522	5.66E-05	0.14485515	0.0017	0.15774	0.00062
0.69259	-0.13153	0.00441	-0.08265	0.07436	0.15496145	0.00078	0.259833	1.21E-08
0.10911	-0.44544	3.83E-24	-0.10032	0.03018	0.41028238	2.18E-20	0.337895	6.18E-14
0.00144	-0.10317	0.02578	-0.01537	0.74043	0.24707374	6.33E-08	0.174585	0.00015
1.53E-05	-0.04057	0.38175	0.122799	0.00789	0.35627196	2.01E-15	0.411471	1.66E-20
0.77905	-0.17718	0.00012	-0.19025	3.50E-05	0.06000073	0.19556	0.132794	0.00404
0.45209	0.218653	1.84E-06	0.098401	0.03351	0.1413007	0.00221	0.166927	0.00029
0.93085	-0.14946	0.0012	-0.08009	0.08381	0.1429275	0.00196	0.184	6.34E-05
0.64411	-0.42222	1.30E-21	-0.2531	2.93E-08	0.02507363	0.58887	0.125926	0.00643



0.57547	-0.22272	1.17E-06	-0.09447	0.04129	0.23635821	2.37E-07	0.208979	5.25E-06
0.45865	-0.24905	4.93E-08	-0.23181	4.08E-07	-0.0301643	0.51553	0.026089	0.57386
0.26406	-0.52298	3.83E-34	-0.32256	9.09E-13	0.09060359	0.05038	0.209708	4.86E-06
0.29809	-0.25139	3.66E-08	0.019004	0.68209	0.29938061	3.99E-11	0.4121	1.43E-20
0.49948	0.39312	1.04E-18	0.279123	8.35E-10	0.06122098	0.1866	-0.05495	0.23598
0.31522	-0.19145	3.12E-05	-0.11831	0.0105	-0.1127317	0.01479	-0.11153	0.0159
0.58687	-0.13977	0.00247	-0.10403	0.02456	0.08898835	0.05464	0.222542	1.19E-06
0.97132	-0.22179	1.30E-06	-0.20595	7.23E-06	0.04556061	0.32588	0.213287	3.31E-06
0.14712	-0.45799	1.36E-25	-0.22792	6.43E-07	0.1000304	0.03067	0.093671	0.04304
0.42811	-0.3556	2.29E-15	-0.1011	0.02892	0.08574491	0.06411	0.12509	0.0068
0.70033	-0.28064	6.70E-10	-0.2844	3.87E-10	-0.0546548	0.23847	0.062215	0.17954
0.5964	-0.14086	0.00228	0.097261	0.03563	0.14422823	0.00178	0.153828	0.00085
0.33706	-0.45132	8.17E-25	0.065917	0.15497	0.24263418	1.10E-07	0.138735	0.00266
0.09601	-0.16831	0.00026	-0.06007	0.19504	0.06365075	0.16969	0.136419	0.00314
0.00968	0.291151	1.41E-10	0.273664	1.82E-09	-0.0107333	0.81706	-0.22693	7.21E-07
0.00499	-0.12724	0.0059	-0.18942	3.79E-05	-0.0603243	0.19315	-0.02929	0.52775
0.74439	-0.57154	7.47E-42	-0.2893	1.87E-10	-0.0048655	0.91648	0.02863	0.53712
0.32656	-0.2966	6.15E-11	-0.18968	3.70E-05	-0.1178491	0.01081	-0.01462	0.75276
0.94787	-0.44312	7.00E-24	-0.33777	6.32E-14	0.03201677	0.49006	0.220411	1.51E-06
0.10182	-0.14031	0.00237	-0.11138	0.01604	0.13865275	0.00268	0.263898	7.02E-09
0.2476	0.299267	4.06E-11	0.227763	6.55E-07	0.14154185	0.00217	0.002146	0.96311
0.30074	-0.26359	7.32E-09	0.025379	0.58433	0.4451	4.19E-24	0.423265	1.01E-21
0.00247	-0.43619	4.12E-23	-0.2972	5.60E-11	-0.0198338	0.66901	-0.07494	0.10581
5.11E-21	-0.02583	0.57765	0.144517	0.00174	0.09885462	0.0327	0.142746	0.00199
0.70862	-0.51275	1.13E-32	-0.27294	2.01E-09	0.02675111	0.56418	0.069205	0.13535
0.50563	-0.31476	3.37E-12	-0.21867	1.84E-06	-0.1091601	0.01829	-0.12349	0.00755
0.64705	-0.25086	3.91E-08	-0.14426	0.00178	0.0324322	0.48444	0.052081	0.26134
0.08961	-0.27678	1.17E-09	-0.10304	0.02597	0.03732609	0.42097	0.122219	0.00819
0.14356	-0.31974	1.47E-12	0.023291	0.61565	0.27758433	1.04E-09	0.105807	0.02221
0.00175	-0.33944	4.68E-14	-0.15753	0.00063	0.10828395	0.01925	0.186223	5.14E-05
7.28E-06	0.212707	3.53E-06	0.106327	0.02156	-0.1470048	0.00144	-0.21906	1.76E-06
0.588	-0.27369	1.81E-09	-0.24738	6.09E-08	0.0140853	0.76144	0.199682	1.38E-05
0.76305	-0.10753	0.02012	-0.0728	0.11618	0.00213853	0.96324	-0.03294	0.47762
0.00698	-0.56638	5.69E-41	-0.35386	3.19E-15	0.04697154	0.31111	-0.00914	0.84388
0.24533	0.367266	2.33E-16	0.268835	3.57E-09	0.06889076	0.13714	0.106043	0.02191
0.07907	0.21546	2.61E-06	0.080247	0.08322	0.11954111	0.00972	-0.03028	0.51395
0.93927	0.505183	1.29E-31	0.394885	7.06E-19	0.30505842	1.63E-11	0.336634	7.75E-14
0.21127	-0.4315	1.33E-22	-0.17635	0.00013	0.15042455	0.00111	0.216203	2.41E-06
0.19743	-0.38554	5.34E-18	-0.21974	1.63E-06	0.09287525	0.04486	0.080222	0.08332
0.10105	0.320189	1.36E-12	0.279427	7.99E-10	0.09104491	0.04926	0.120828	0.00896
0.2296	-0.47542	1.04E-27	-0.34943	7.40E-15	-0.1116627	0.01577	0.021213	0.6475
0.2919	0.27325	1.93E-09	0.172793	0.00018	0.04848283	0.29578	-0.06797	0.1425
0.71571	-0.24902	4.95E-08	-0.16942	0.00024	-0.0417489	0.36803	0.021523	0.6427
0.68003	-0.04269	0.35732	-0.05496	0.23584	-0.0231406	0.61792	0.059313	0.20074
0.16174	-0.23058	4.71E-07	-0.13951	0.00251	-0.0035555	0.93892	0.016855	0.71639

0.33669	-0.11138	0.01604	-0.04604	0.32086	0.05190398	0.26297	0.076763	0.09755
0.33416	-0.35855	1.30E-15	-0.2026	1.02E-05	-0.1038156	0.02486	0.013533	0.77053
0.47149	-0.31877	1.72E-12	-0.18787	4.40E-05	0.03950671	0.39433	0.106162	0.02176
0.16925	-0.32898	3.00E-13	-0.20211	1.08E-05	-0.0641224	0.16654	-0.11561	0.01242
0.05962	-0.30157	2.83E-11	-0.06058	0.19128	-0.0720873	0.11979	-0.17336	0.00017
0.54405	0.225464	8.53E-07	0.24788	5.72E-08	0.17080618	0.00021	0.100072	0.0306
0.00782	-0.19435	2.35E-05	-0.18424	6.20E-05	0.07721616	0.09558	0.193439	2.57E-05
0.54984	-0.08158	0.07822	-0.00823	0.85921	0.03956786	0.3936	0.179437	9.66E-05
0.36641	-0.31815	1.91E-12	-0.14023	0.00239	0.01776518	0.70179	0.097979	0.03428
0.3697	-0.26068	1.08E-08	-0.04601	0.32115	0.1104522	0.01695	0.161136	0.00047
0.73858	-0.45051	1.01E-24	-0.18731	4.64E-05	0.02790504	0.54748	-0.02248	0.62795
0.10228	-0.3972	4.24E-19	-0.18535	5.58E-05	-0.1464877	0.0015	-0.13608	0.00321
0.16677	-0.31766	2.08E-12	-0.12943	0.00509	-0.0039836	0.93158	0.032773	0.47987
0.70235	-0.37336	6.79E-17	-0.19444	2.33E-05	-0.012711	0.78411	0.026196	0.57229
0.06659	-0.36419	4.29E-16	-0.2416	1.25E-07	-0.0580822	0.21026	-0.07943	0.08642
0.63568	-0.50826	4.82E-32	-0.23224	3.88E-07	0.07954876	0.08595	0.105349	0.02279
0.36256	-0.48126	1.91E-28	-0.2894	1.84E-10	-0.0024566	0.95778	0.072813	0.1161
0.00838	-0.10643	0.02143	-0.00509	0.91271	0.2042021	8.67E-06	0.201593	1.13E-05
0.00125	-0.30041	3.40E-11	-0.1978	1.66E-05	0.01549096	0.73847	0.102493	0.02677
0.34792	-0.37122	1.05E-16	-0.22204	1.26E-06	0.13857137	0.00269	0.249454	4.68E-08
3.44E-11	-0.31662	2.47E-12	-0.1024	0.02692	0.0120275	0.79546	0.052832	0.25452
0.03951	-0.3459	1.43E-14	-0.15403	0.00084	-0.0744657	0.10802	-0.15172	0.00101
0.16519	0.290578	1.54E-10	0.258818	1.39E-08	0.05005486	0.28038	-0.09063	0.0503
0.03959	-0.17322	0.00017	-0.14022	0.00239	0.20180373	1.11E-05	0.264285	6.66E-09
0.56317	-0.15371	0.00086	-0.09606	0.03798	0.18613903	5.18E-05	0.123765	0.00741
0.91331	-0.23854	1.82E-07	-0.05762	0.2139	0.18299136	6.96E-05	0.249914	4.42E-08
0.69026	-0.3979	3.63E-19	-0.24524	7.98E-08	-0.1773008	0.00012	-0.22587	8.15E-07
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0.14999	-0.48558	5.31E-29	-0.35246	4.18E-15	0.05136222	0.26799	0.205539	7.54E-06
7.51E-14	0.082872	0.07359	0.206828	6.59E-06	0.17062018	0.00021	-0.01471	0.75124
0.00476	0.34791	9.83E-15	0.257812	1.58E-08	0.21271909	3.52E-06	0.162607	0.00042
0.08941	-0.29124	1.39E-10	-0.10322	0.02571	0.11048202	0.01692	0.135521	0.00334
0.05476	0.165926	0.00032	0.073078	0.11477	-0.0225806	0.62645	-0.1304	0.00477
0.60754	-0.17159	0.00019	-0.07954	0.08599	-0.0141656	0.76013	-0.04358	0.3474
0.28385	-0.0836	0.07109	0.016882	0.71596	0.06565426	0.15662	0.092522	0.04568
0.00298	-0.51552	4.58E-33	-0.28986	1.72E-10	-0.0679349	0.14269	-0.06426	0.16565
0.77336	-0.271	2.64E-09	-0.14507	0.00167	0.02055205	0.65777	0.128438	0.00544
0.1615	-0.11058	0.01682	0.130502	0.00473	0.39387909	8.81E-19	0.448187	1.87E-24
0.00846	-0.31279	4.66E-12	-0.18	9.18E-05	0.2545311	2.44E-08	0.217451	2.10E-06
0.06382	-0.17953	9.58E-05	-0.05206	0.26153	0.09171822	0.0476	0.0846	0.06776
6.81E-11	-0.30268	2.38E-11	-0.05128	0.26875	0.40088023	1.86E-19	0.459561	8.86E-26
0.41384	-0.08427	0.06883	-0.04532	0.32848	0.10378865	0.0249	0.162206	0.00043
0.01468	-0.34068	3.73E-14	-0.10811	0.01944	0.15457119	0.0008	0.178445	0.00011
0.00595	-0.15931	0.00055	0.092045	0.04681	0.07183193	0.12111	0.105241	0.02294
1.10E-05	-0.39407	8.45E-19	-0.17858	0.0001	0.14848797	0.00129	0.151934	0.00099

0.0496	-0.1988	1.51E-05	-0.08109	0.08004	0.10522324	0.02296	0.073305	0.11365
0.00151	-0.47437	1.41E-27	-0.24515	8.07E-08	0.09020045	0.05142	0.19392	2.45E-05
0.00172	-0.24467	8.57E-08	-0.09166	0.04774	0.13432238	0.00364	0.216665	2.29E-06
0.31744	-0.30124	2.98E-11	-0.2308	4.59E-07	-0.0729527	0.1154	-0.02446	0.59808
1.00E-06	-0.18266	7.18E-05	-0.02584	0.5776	0.14232361	0.00205	0.141215	0.00222
0.07826	-0.3812	1.34E-17	-0.13883	0.00264	0.07877414	0.08905	0.13345	0.00386
0.00016	-0.33862	5.42E-14	-0.12116	0.00877	0.25583852	2.05E-08	0.291162	1.41E-10
0.6133	-0.44664	2.80E-24	-0.18563	5.44E-05	0.22880497	5.80E-07	0.376602	3.49E-17
7.17E-07	-0.28121	6.17E-10	-0.18784	4.41E-05	0.14112863	0.00224	0.232601	3.72E-07
0.83678	-0.22746	6.78E-07	-0.05906	0.20269	0.2377045	2.02E-07	0.172592	0.00018
0.61279	-0.45802	1.35E-25	-0.27475	1.56E-09	0.05142161	0.26744	0.149666	0.00118
0.05585	-0.37372	6.30E-17	-0.21501	2.75E-06	0.02893139	0.53285	0.096423	0.03725
0.02583	-0.43338	8.34E-23	-0.24812	5.55E-08	0.02058775	0.65722	0.207303	6.27E-06
0.15902	-0.42614	5.00E-22	-0.16186	0.00045	0.06640336	0.15194	0.074584	0.10746
0.26773	-0.47541	1.04E-27	-0.23306	3.52E-07	0.07448009	0.10796	0.102671	0.02651
0.29496	-0.33542	9.64E-14	-0.08903	0.05453	0.37332109	6.84E-17	0.347742	1.01E-14
0.80979	-0.27697	1.14E-09	-0.14062	0.00232	0.23155308	4.21E-07	0.405386	6.72E-20
0.96226	-0.31351	4.14E-12	-0.14528	0.00164	0.05380837	0.24583	0.03834	0.40845
0.83388	-0.19837	1.57E-05	-0.20621	7.03E-06	-0.0047347	0.91872	0.124472	0.00708
0.02497	-0.25841	1.46E-08	-0.17158	0.00019	0.04629092	0.31818	0.092171	0.04651
0.15733	-0.20145	1.15E-05	-0.12233	0.00813	0.00200695	0.9655	0.033541	0.46963
0.85141	-0.36664	2.64E-16	-0.28335	4.51E-10	0.00582348	0.90012	0.22713	7.04E-07
0.27943	-0.28625	2.94E-10	-0.33239	1.65E-13	-0.0548704	0.23662	-0.03467	0.45477
0.60788	-0.52327	3.48E-34	-0.20553	7.55E-06	0.09921569	0.03206	0.132509	0.00412
0.10856	-0.29379	9.46E-11	-0.12363	0.00748	0.14146986	0.00218	0.260174	1.16E-08
0.09644	-0.48944	1.68E-29	-0.2808	6.55E-10	0.0422356	0.36246	0.110761	0.01664
0.00013	-0.45889	1.06E-25	-0.24835	5.39E-08	0.06164127	0.18359	0.127772	0.00569
0.49926	-0.00467	0.91987	0.091923	0.04711	0.14990669	0.00116	0.099319	0.03188
0.30461	-0.39883	2.95E-19	-0.14411	0.00179	0.04113257	0.37515	0.105054	0.02318
0.17398	-0.23838	1.86E-07	-0.10054	0.02983	0.03979894	0.39084	0.022865	0.62211
0.01101	-0.43963	1.72E-23	-0.17129	0.0002	0.11063958	0.01676	0.140154	0.0024
0.81206	-0.45556	2.62E-25	-0.22293	1.14E-06	0.04531154	0.32854	0.050187	0.27911
0.38875	-0.17604	0.00013	-0.02247	0.6281	0.13556285	0.00333	0.131095	0.00454
0.00182	-0.06224	0.17933	0.126119	0.00635	0.47284388	2.17E-27	0.549076	3.96E-38
0.06448	-0.23278	3.64E-07	-0.05227	0.25959	0.19047388	3.43E-05	0.310775	6.48E-12
0.7513	-0.05962	0.19842	0.028534	0.53849	0.12202256	0.0083	0.117905	0.01077
0.81793	0.018128	0.696	0.158104	0.00061	0.10046809	0.02995	-0.02455	0.59664
0.54956	-0.21242	3.64E-06	-0.0182	0.69481	0.38205865	1.12E-17	0.466468	1.32E-26
0.60113	-0.37221	8.58E-17	-0.24666	6.67E-08	0.02569263	0.5797	0.100117	0.03053
0.57493	-0.28055	6.79E-10	-0.18197	7.66E-05	0.03810476	0.41134	0.099271	0.03197
0.00553	-0.48091	2.11E-28	-0.20132	1.17E-05	0.16077259	0.00049	0.240102	1.51E-07
0.0929	-0.29449	8.51E-11	-0.25673	1.83E-08	0.11571392	0.01234	0.177694	0.00011
0.8873	-0.43969	1.69E-23	-0.20488	8.08E-06	0.15186866	0.00099	0.181506	7.99E-05
3.22E-05	-0.52424	2.51E-34	-0.37617	3.81E-17	-0.0759354	0.10122	-0.05793	0.21147
0.0001	-0.22162	1.32E-06	0.017458	0.7067	0.22000312	1.58E-06	0.171593	0.00019

8.54E-26	-0.14352	0.00188	-0.05657	0.22237	0.21886385	1.80E-06	0.312261	5.08E-12
0.50552	-0.40267	1.25E-19	-0.26041	1.12E-08	0.02201765	0.63508	0.073289	0.11372
0.92992	-0.61906	9.49E-51	-0.31977	1.46E-12	0.02723742	0.55711	-0.03177	0.49345
0.00119	-0.30864	9.17E-12	0.009632	0.83555	0.35633308	1.99E-15	0.417927	3.63E-21
0.00024	-0.2327	3.67E-07	-0.17062	0.00021	0.25471987	2.38E-08	0.447589	2.19E-24
0.14449	-0.38701	3.90E-18	-0.16684	0.00029	0.17725122	0.00012	0.343222	2.34E-14
0.23071	-0.49007	1.39E-29	-0.34654	1.27E-14	0.10359372	0.02518	0.27033	2.90E-09
0.03611	-0.23768	2.02E-07	-0.14327	0.00191	0.1138385	0.01384	0.233442	3.36E-07
0.00574	-0.17014	0.00022	-0.00651	0.88838	0.40422527	8.76E-20	0.353672	3.31E-15
0.93604	-0.44843	1.75E-24	-0.19226	2.88E-05	0.12590729	0.00644	0.121296	0.00869
0.30853	-0.46083	6.26E-26	-0.19067	3.36E-05	0.11790536	0.01077	0.147641	0.00138
0.40368	-0.48149	1.78E-28	-0.17352	0.00016	0.07860151	0.08976	0.144585	0.00173
0.48214	-0.26874	3.62E-09	-0.11325	0.01433	0.01238196	0.78957	0.071834	0.12109
1.03E-08	0.25682	1.80E-08	0.162235	0.00043	-0.0928956	0.04481	-0.17015	0.00022
0.76795	-0.23403	3.14E-07	-0.23605	2.46E-07	0.22732651	6.89E-07	0.271597	2.43E-09
0.23267	-0.28274	4.94E-10	-0.10795	0.01963	0.12304488	0.00777	0.171884	0.00019
5.43E-07	-0.33487	1.06E-13	-0.14692	0.00145	0.23447023	2.98E-07	0.320373	1.32E-12
0.00184	-0.4045	8.22E-20	-0.2535	2.78E-08	0.11232092	0.01516	0.220457	1.50E-06
0.5599	0.300576	3.31E-11	0.147818	0.00136	-0.3613819	7.46E-16	-0.4165	5.08E-21
0.00532	-0.20323	9.59E-06	-0.16337	0.00039	0.34671698	1.23E-14	0.483221	1.07E-28
0.72012	-0.37434	5.56E-17	-0.17276	0.00018	-0.0140313	0.76233	0.047329	0.30743
0.90942	-0.18058	8.70E-05	-0.00303	0.94795	0.29671399	6.04E-11	0.268439	3.77E-09
0.66969	-0.31773	2.05E-12	-0.11761	0.01097	0.07569783	0.1023	0.11993	0.00948
0.46068	-0.4078	3.87E-20	-0.16122	0.00047	0.02660537	0.5663	0.072544	0.11746
1.56E-05	-0.5076	5.97E-32	-0.33079	2.19E-13	0.07594628	0.10118	0.202181	1.07E-05
0.77975	-0.27838	9.29E-10	-0.18334	6.74E-05	0.02818641	0.54345	0.052348	0.2589
0.21383	-0.46381	2.75E-26	-0.34656	1.26E-14	0.01382125	0.76578	0.034008	0.46346
0.00022	-0.44062	1.33E-23	-0.29347	9.94E-11	0.2003334	1.29E-05	0.342999	2.44E-14
0.28811	-0.31647	2.53E-12	-0.17955	9.56E-05	0.01243929	0.78862	0.033587	0.46902
0.41097	-0.42183	1.43E-21	-0.2317	4.13E-07	0.13018423	0.00484	0.284815	3.64E-10
0.79744	-0.19601	1.99E-05	-0.05022	0.2788	0.07952443	0.08604	0.134442	0.00361
0.1801	-0.27796	9.87E-10	-0.09327	0.04395	0.03058098	0.50974	0.003217	0.94472
0.70565	-0.54084	7.81E-37	-0.29283	1.09E-10	-0.0414709	0.37123	-0.02845	0.53969
0.00084	-0.32006	1.39E-12	-0.17354	0.00016	0.21981145	1.62E-06	0.281386	6.02E-10
0.42029	-0.3445	1.85E-14	-0.18529	5.61E-05	0.20384252	9.00E-06	0.396608	4.83E-19
0.96868	-0.52361	3.10E-34	-0.31047	6.81E-12	-0.0915747	0.04795	-0.15624	0.0007
1.55E-24	-0.24743	6.05E-08	-0.13299	0.00399	0.09818188	0.03391	0.222192	1.24E-06
0.49028	-0.1624	0.00043	-0.04209	0.36412	0.08800087	0.05739	0.139519	0.00251
0.15388	-0.38518	5.77E-18	-0.21817	1.94E-06	0.09951364	0.03155	0.211621	3.96E-06
0.07051	-0.34532	1.59E-14	-0.14061	0.00232	0.03209087	0.48906	0.072368	0.11835
0.83193	-0.5226	4.35E-34	-0.24637	6.92E-08	0.0692629	0.13503	0.081477	0.07859
0.60728	-0.01857	0.689	0.134771	0.00352	0.10545456	0.02266	0.154375	0.00082
0.55448	-0.36158	7.17E-16	-0.16135	0.00046	0.23703411	2.19E-07	0.365887	3.07E-16
0.95403	-0.28377	4.24E-10	-0.03325	0.47345	0.14504268	0.00167	0.162324	0.00043
2.56E-06	-0.27378	1.79E-09	-0.08451	0.06807	0.19416042	2.39E-05	0.293961	9.22E-11

0.76001	0.2838	4.23E-10	0.230121	4.98E-07	0.03562572	0.44245	-0.19429	2.36E-05
0.95423	-0.13886	0.00264	-0.15617	0.00071	0.0838226	0.07033	0.21936	1.70E-06
5.00E-12	-0.43259	1.02E-22	-0.41359	1.01E-20	-0.0804629	0.08239	0.11274	0.01479
0.51754	-0.27504	1.50E-09	-0.21201	3.80E-06	0.29131351	1.38E-10	0.520415	9.05E-34
0.09559	-0.16877	0.00025	-0.16469	0.00035	0.05445165	0.24022	0.219541	1.67E-06
0.1909	-0.10897	0.0185	-0.0632	0.17271	0.09441793	0.0414	0.152654	0.00093
0.00085	-0.34437	1.90E-14	-0.05353	0.2483	0.45916408	9.88E-26	0.436813	3.52E-23
3.93E-11	-0.4857	5.13E-29	-0.21065	4.40E-06	0.06244672	0.17792	0.124624	0.00701
0.00032	-0.36672	2.60E-16	-0.20436	8.53E-06	0.10742412	0.02024	0.112725	0.0148
0.19238	-0.46296	3.48E-26	-0.2535	2.78E-08	0.03705118	0.4244	-0.03296	0.47742
0.76324	-0.34269	2.58E-14	-0.30541	1.54E-11	0.01966545	0.67166	0.264121	6.81E-09
0.27427	-0.17013	0.00022	-0.11592	0.01218	0.12984582	0.00495	0.31609	2.70E-12
0.27148	-0.3327	1.56E-13	-0.23361	3.30E-07	0.07530394	0.1041	0.248805	5.09E-08
0.00828	-0.58674	1.54E-44	-0.35663	1.88E-15	-0.0192548	0.67812	0.017346	0.7085
6.85E-10	-0.15161	0.00101	-0.10727	0.02041	0.06644882	0.15166	0.123835	0.00738
0.45389	-0.21265	3.55E-06	-0.13336	0.00389	0.06183948	0.18218	0.102537	0.02671
4.78E-06	-0.24608	7.18E-08	-0.04338	0.34955	0.29354945	9.82E-11	0.307553	1.09E-11
0.91108	-0.47956	3.14E-28	-0.20651	6.81E-06	0.17890358	0.0001	0.078968	0.08827
0.04447	-0.3519	4.64E-15	-0.15432	0.00082	-0.0418568	0.36679	-0.04788	0.30182
0.00174	-0.07069	0.12714	0.002674	0.95404	0.04985678	0.28229	0.090767	0.04996
0.00795	0.326111	4.94E-13	0.338835	5.21E-14	-0.0671499	0.14737	-0.24646	6.84E-08
0.24133	-0.2619	9.19E-09	-0.21659	2.31E-06	-0.1263686	0.00625	-0.01611	0.72839
0.77601	0.018907	0.68363	0.084325	0.06866	0.1221578	0.00823	0.105088	0.02314
0.69668	-0.43908	1.97E-23	-0.23236	3.82E-07	0.03689079	0.42641	0.161285	0.00047
0.00035	-0.41387	9.46E-21	-0.17099	0.00021	0.10610955	0.02183	0.203757	9.08E-06
0.71223	-0.01438	0.75658	0.152906	0.00092	0.3260501	4.99E-13	0.341774	3.06E-14
0.5091	-0.12949	0.00507	-0.10166	0.02804	0.07218221	0.1193	0.190906	3.29E-05
0.0823	-0.1626	0.00042	-0.02065	0.65618	0.05496069	0.23585	0.113823	0.01385
0.81898	-0.13793	0.00282	-0.06558	0.15708	0.12756977	0.00577	0.137867	0.00283
0.04437	-0.25303	2.96E-08	-0.18026	8.96E-05	0.06948942	0.13375	0.209684	4.88E-06
0.65698	-0.50853	4.43E-32	-0.23296	3.56E-07	0.10497549	0.02328	0.192253	2.88E-05
0.003	-0.13501	0.00347	-0.04479	0.33411	0.27195587	2.31E-09	0.317185	2.25E-12
1.21E-12	-0.20145	1.15E-05	-0.16203	0.00044	0.13226967	0.00419	0.305797	1.45E-11
0.03466	-0.42463	7.24E-22	-0.23157	4.20E-07	0.03374057	0.46699	0.079312	0.08689
0.02133	0.286482	2.84E-10	0.30983	7.56E-12	-0.2536909	2.72E-08	-0.26517	5.90E-09
5.58E-07	-0.52186	5.59E-34	-0.22826	6.18E-07	0.1033931	0.02546	0.149157	0.00123
0.05018	-0.12939	0.0051	-0.05945	0.19971	0.0990835	0.03229	0.173617	0.00016
2.00E-13	-0.17857	0.0001	-0.09662	0.03686	0.1789986	0.0001	0.326579	4.56E-13
0.00164	0.212722	3.52E-06	0.329118	2.93E-13	0.09804431	0.03416	0.006214	0.89346
0.29659	-0.16014	0.00051	-0.17116	0.0002	0.20838127	5.60E-06	0.222348	1.22E-06
0.78213	-0.24986	4.45E-08	0.010072	0.82814	0.4915617	8.82E-30	0.47515	1.12E-27
0.22816	-0.37174	9.45E-17	-0.36082	8.33E-16	-0.0799459	0.08439	0.001354	0.97671
0.00044	-0.03538	0.4456	0.033565	0.4693	0.11985254	0.00953	0.224902	9.10E-07
0.17693	-0.32644	4.67E-13	-0.2232	1.10E-06	0.10198819	0.02754	0.22062	1.48E-06
0.00127	-0.2197	1.64E-06	0.114606	0.0132	0.22683708	7.29E-07	0.01144	0.80524

0.12182	0.312699	4.73E-12	0.358662	1.27E-15	0.18308752	6.90E-05	-0.00896	0.8469
0.10017	-0.26283	8.10E-09	-0.11116	0.01626	0.43453161	6.25E-23	0.418962	2.83E-21
4.55E-08	-0.12758	0.00576	-0.03422	0.46063	0.24148069	1.27E-07	0.306877	1.22E-11
0.00103	0.404096	9.02E-20	0.346846	1.20E-14	0.15504031	0.00077	0.037218	0.42232
0.30402	-0.09793	0.03437	0.175003	0.00014	0.27946282	7.95E-10	0.204123	8.74E-06
0.7569	-0.37779	2.73E-17	-0.28938	1.84E-10	0.00709288	0.8785	0.089045	0.05449
0.49202	-0.32085	1.21E-12	-0.17716	0.00012	0.02036164	0.66074	0.123713	0.00744
0.6907	-0.54081	7.91E-37	-0.24614	7.12E-08	0.08175583	0.07757	0.126254	0.00629
0.00321	-0.44227	8.73E-24	-0.32178	1.04E-12	0.11871936	0.01024	0.26388	7.03E-09
0.00208	-0.30613	1.37E-11	-0.07215	0.11945	0.1459146	0.00157	0.154304	0.00082
0.6616	0.332592	1.59E-13	0.294662	8.28E-11	0.11200311	0.01545	-0.06192	0.18164
0.19551	-0.20456	8.35E-06	-0.06529	0.15894	0.08755698	0.05867	0.110992	0.01642
0.22287	-0.41091	1.89E-20	-0.28259	5.05E-10	0.00891753	0.84759	0.145826	0.00158
0.10904	-0.18963	3.72E-05	-0.07405	0.11001	0.17078137	0.00021	0.136347	0.00315
0.91755	-0.16939	0.00024	-0.02388	0.60671	0.34343725	2.25E-14	0.414144	8.86E-21
0.65831	-0.39552	6.14E-19	-0.21831	1.91E-06	0.04304238	0.35336	0.1304	0.00477
0.56858	-0.51465	6.09E-33	-0.33289	1.51E-13	0.05078263	0.27343	0.197026	1.80E-05
0.36724	-0.37183	9.28E-17	-0.09418	0.04192	0.430623	1.66E-22	0.383949	7.49E-18
0.35829	-0.34667	1.24E-14	-0.19505	2.19E-05	0.04638315	0.31721	0.120888	0.00892
0.18692	-0.50275	2.78E-31	-0.28671	2.75E-10	-0.006232	0.89315	-0.01998	0.66675
0.00087	0.004216	0.9276	0.080625	0.08177	0.090746	0.05002	0.102196	0.02722
0.70728	-0.23304	3.53E-07	-0.05479	0.23735	0.02942585	0.52586	0.062287	0.17904
0.04939	-0.21824	1.92E-06	-0.03311	0.4753	0.12851844	0.00541	0.194266	2.37E-05
1.10E-07	-0.08408	0.06947	-0.00521	0.91056	0.36861161	1.78E-16	0.382718	9.72E-18
0.23189	-0.39228	1.25E-18	-0.19635	1.92E-05	0.11945683	0.00977	0.122375	0.00811
7.55E-05	-0.18466	5.96E-05	-0.19626	1.94E-05	-0.0444553	0.33777	0.018674	0.68732
0.87738	-0.37448	5.40E-17	-0.17169	0.00019	0.03222286	0.48727	0.092415	0.04593
0.10048	0.413293	1.08E-20	0.413995	9.18E-21	0.35549406	2.34E-15	0.159849	0.00053
0.00559	-0.36185	6.81E-16	-0.19728	1.75E-05	-0.0456899	0.32451	0.007313	0.87476
0.53536	-0.17326	0.00017	-0.01048	0.82131	0.35892423	1.21E-15	0.390516	1.83E-18
6.66E-10	-0.37666	3.44E-17	-0.3753	4.56E-17	0.00328797	0.94351	0.208488	5.54E-06
0.03317	-0.3774	2.96E-17	-0.24397	9.34E-08	0.15675679	0.00068	0.318878	1.69E-12
1.56E-15	-0.16884	0.00025	-0.16011	0.00051	0.09873151	0.03292	0.199056	1.47E-05
0.00662	0.204488	8.42E-06	0.185409	5.55E-05	-0.0274472	0.55408	-0.17237	0.00018
6.96E-05	-0.07914	0.08759	-0.15053	0.0011	0.06276744	0.1757	0.232356	3.83E-07
0.44555	-0.284	4.11E-10	-0.25284	3.03E-08	-0.0373498	0.42067	0.057169	0.21753
0.85347	-0.13996	0.00244	0.041628	0.36941	0.27104344	2.63E-09	0.273506	1.86E-09
0.42341	-0.54288	3.77E-37	-0.23337	3.39E-07	0.01249468	0.7877	-0.00106	0.98177
0.96958	-0.18846	4.16E-05	-0.00435	0.92524	0.20940899	5.02E-06	0.230362	4.84E-07
0.00101	-0.18389	6.40E-05	0.034889	0.45195	0.13687895	0.00304	0.109427	0.018
0.00109	0.364656	3.91E-16	0.31146	5.79E-12	0.10712693	0.02059	-0.10287	0.02621
0.00837	0.343811	2.10E-14	0.089541	0.05315	-0.0616077	0.18383	-0.19333	2.60E-05
0.00445	-0.2182	1.93E-06	-0.07753	0.09423	0.38524942	5.69E-18	0.397435	4.02E-19
0.91982	-0.08135	0.07904	-0.00054	0.99073	0.22255448	1.19E-06	0.256397	1.91E-08
0.00031	-0.16482	0.00035	0.042608	0.35824	0.12250742	0.00804	0.089169	0.05415

0.90832	0.360012	9.76E-16	0.173771	0.00016	0.04527609	0.32891	0.183124	6.88E-05
0.60942	-0.28774	2.36E-10	-0.07674	0.09763	0.1987336	1.52E-05	0.190327	3.47E-05
0.29185	-0.52299	3.82E-34	-0.21299	3.42E-06	0.07360834	0.11215	0.052202	0.26023
0.10222	-0.5217	5.89E-34	-0.29825	4.76E-11	0.08689374	0.06061	0.152129	0.00097
0.44989	-0.40689	4.77E-20	-0.29379	9.47E-11	0.00015162	0.99739	0.145024	0.00168
0.00112	-0.30754	1.09E-11	-0.29369	9.61E-11	-0.1511152	0.00105	-0.18387	6.42E-05
0.00024	-0.37647	3.58E-17	-0.14605	0.00155	0.16337887	0.00039	0.250382	4.16E-08
0.61623	0.207447	6.18E-06	0.052251	0.25979	-0.1456418	0.0016	-0.27882	8.72E-10
0.60722	0.185983	5.26E-05	0.008297	0.85807	-0.2038983	8.95E-06	-0.31106	6.18E-12
0.00738	0.381473	1.26E-17	0.353132	3.67E-15	-0.1982452	1.59E-05	-0.37262	7.89E-17
0.81857	0.436417	3.89E-23	0.228	6.37E-07	0.09392227	0.04249	0.086272	0.06248
0.133	-0.20888	5.31E-06	-0.19006	3.57E-05	0.18742642	4.59E-05	0.274149	1.70E-09
9.07E-09	-0.17942	9.68E-05	-0.05208	0.26134	0.12578273	0.00649	0.153186	0.0009
0.04544	0.418445	3.20E-21	0.431599	1.30E-22	0.20721147	6.33E-06	0.061841	0.18217
0.95879	-0.31674	2.42E-12	-0.10073	0.02953	0.07134475	0.12366	-0.01481	0.74956
0.69542	-0.3549	2.62E-15	-0.20291	9.90E-06	0.0840023	0.06973	0.211531	4.00E-06
0.59392	-0.23326	3.44E-07	-0.14238	0.00204	-0.0838365	0.07029	-0.05901	0.20306
0.32526	-0.18833	4.21E-05	0.041511	0.37076	0.3693198	1.54E-16	0.310572	6.70E-12
0.58356	-0.20138	1.16E-05	0.060721	0.19023	0.21361375	3.20E-06	0.26349	7.41E-09
0.10048	-0.33672	7.63E-14	-0.02223	0.63181	0.34877585	8.36E-15	0.349571	7.20E-15
0.83048	-0.49973	7.14E-31	-0.24805	5.60E-08	0.07775309	0.09329	0.090761	0.04998
0.01233	-0.25672	1.83E-08	-0.18651	5.01E-05	-0.1770464	0.00012	-0.18179	7.78E-05
0.70699	-0.41378	9.64E-21	-0.24666	6.67E-08	-0.1456796	0.0016	-0.16951	0.00023
0.75531	-0.4637	2.84E-26	-0.2419	1.21E-07	0.18704069	4.76E-05	0.266817	4.71E-09
1.78E-07	0.366114	2.93E-16	0.186839	4.85E-05	0.32180934	1.03E-12	0.401855	1.50E-19
0.60074	-0.51894	1.48E-33	-0.24697	6.42E-08	0.06757793	0.14481	0.118184	0.01059
0.00749	-0.36962	1.45E-16	-0.17091	0.00021	0.02651002	0.56769	0.058561	0.20652
0.23878	-0.28633	2.91E-10	-0.09605	0.03799	0.03730284	0.42126	-0.0302	0.51498
0.23574	-0.36899	1.65E-16	-0.19199	2.96E-05	-0.0337329	0.46709	0.048699	0.29363
0.33592	-0.03102	0.5037	-0.00498	0.91455	0.05328795	0.25044	0.090894	0.04964
0.82147	-0.48092	2.11E-28	-0.24571	7.52E-08	-0.0145388	0.75401	0.06041	0.19252
0.73456	-0.32593	5.10E-13	-0.2834	4.48E-10	-0.0592147	0.20149	0.057223	0.21709
0.37571	-0.23788	1.97E-07	-0.23229	3.86E-07	0.02571721	0.57934	0.193156	2.64E-05
0.9102	-0.3137	4.01E-12	-0.1484	0.0013	-0.0325392	0.483	-0.06791	0.14283
0.7336	-0.09598	0.03814	0.006671	0.88568	0.1067357	0.02106	0.083386	0.07181
0.01894	0.513938	7.68E-33	0.301646	2.80E-11	0.18541661	5.55E-05	-0.00038	0.9935
0.34497	-0.41248	1.31E-20	-0.04624	0.31872	0.41529464	6.76E-21	0.306677	1.26E-11
0.0247	-0.26175	9.37E-09	-0.07161	0.12225	0.11638962	0.01184	0.193329	2.59E-05
0.79612	-0.2621	8.94E-09	-0.09745	0.03526	0.14019358	0.00239	0.237667	2.03E-07
0.45243	-0.25391	2.64E-08	-0.14794	0.00135	0.08350003	0.07143	0.214985	2.75E-06
0.0957	-0.15201	0.00098	-0.07052	0.12809	0.00816695	0.86028	0.093592	0.04322
5.18E-05	-0.25565	2.11E-08	-0.15349	0.00088	0.10825365	0.01928	0.238614	1.81E-07
0.43013	-0.20169	1.12E-05	-0.06485	0.16178	0.28021983	7.13E-10	0.426574	4.50E-22
0.04311	0.10794	0.01964	-0.09481	0.04056	0.21827463	1.92E-06	0.080148	0.0836
0.93044	-0.42782	3.32E-22	-0.25831	1.48E-08	-0.2129533	3.43E-06	-0.30626	1.34E-11

0.72514	-0.26817	3.91E-09	-0.05259	0.2567	0.11691506	0.01146	0.168782	0.00025
2.94E-05	-0.00591	0.89868	0.159713	0.00053	0.20221796	1.06E-05	0.151735	0.001
0.12174	-0.567	4.47E-41	-0.2925	1.15E-10	-0.0030823	0.94704	0.005823	0.90014
0.02358	-0.31031	6.99E-12	-0.13886	0.00264	0.17570222	0.00014	0.256525	1.88E-08
0.10629	-0.38543	5.47E-18	-0.07827	0.09114	0.09454071	0.04114	0.119541	0.00972
0.62798	0.007445	0.87252	0.020275	0.66209	0.15329403	0.00089	0.196841	1.83E-05
0.13768	-0.31304	4.47E-12	-0.17291	0.00017	-0.024807	0.59284	0.079107	0.08771
0.00592	0.308986	8.66E-12	0.160128	0.00051	-0.1515828	0.00102	-0.24837	5.38E-08
0.65746	-0.24765	5.89E-08	-0.15358	0.00087	0.20215783	1.07E-05	0.403316	1.08E-19
0.38836	-0.33966	4.49E-14	-0.1682	0.00026	0.03468483	0.4546	0.098031	0.03418
0.04218	-0.47506	1.15E-27	-0.27945	7.96E-10	-0.0798852	0.08462	0.012135	0.79367
0.04074	0.244985	8.23E-08	0.296186	6.55E-11	0.3417188	3.09E-14	0.285764	3.16E-10
9.36E-06	-0.12931	0.00513	0.059231	0.20136	0.06120158	0.18674	0.048838	0.29225
0.06638	0.351827	4.71E-15	0.393702	9.16E-19	0.08306268	0.07293	-0.04601	0.32116
0.55225	-0.07866	0.0895	-0.00829	0.8582	0.0476974	0.30368	0.022634	0.62563
0.82067	-0.12922	0.00516	0.001765	0.96965	0.24894459	5.00E-08	0.264622	6.36E-09
0.24669	-0.33057	2.27E-13	-0.18701	4.77E-05	0.01871423	0.68668	0.13798	0.00281
0.35533	-0.51766	2.26E-33	-0.24176	1.23E-07	0.06913108	0.13577	0.095303	0.03952
0.30601	-0.19913	1.46E-05	-0.21359	3.20E-06	0.15415393	0.00083	0.272795	2.06E-09
0.00522	-0.28524	3.42E-10	-0.21504	2.74E-06	-0.0918312	0.04733	-0.13109	0.00455
0.00104	-0.41712	4.39E-21	-0.26394	6.98E-09	0.00743806	0.87264	0.011395	0.80599
0.00014	-0.19603	1.99E-05	-0.04255	0.35889	0.07636786	0.09929	0.028853	0.53396
0.01889	-0.34052	3.84E-14	-0.27243	2.16E-09	0.05592114	0.22775	0.204811	8.14E-06
0.44053	-0.51776	2.19E-33	-0.265	6.04E-09	-0.0350311	0.45011	0.037828	0.41474
0.01847	-0.06349	0.17074	-0.07845	0.09038	0.06692329	0.14875	0.149956	0.00115
0.99873	-0.03075	0.50745	-0.01301	0.77922	0.2016953	1.12E-05	0.142965	0.00195
0.39901	-0.32085	1.21E-12	-0.13055	0.00472	0.13833847	0.00274	0.121523	0.00857
0.48913	-0.24293	1.06E-07	-0.11134	0.01608	0.01842258	0.69131	0.038672	0.4044
0.01933	0.063369	0.17159	0.077484	0.09443	0.08125519	0.07941	0.233774	3.23E-07
0.00795	-0.29253	1.15E-10	-0.15877	0.00057	0.00254812	0.9562	-0.02848	0.53919
0.21053	-0.30063	3.28E-11	-0.30231	2.52E-11	0.11486012	0.013	0.199022	1.47E-05
0.04446	-0.51788	2.10E-33	-0.38777	3.32E-18	-0.1283534	0.00547	0.034103	0.46221
0.28233	-0.19618	1.96E-05	-0.19883	1.50E-05	-0.0616821	0.1833	0.03723	0.42216
0.50858	-0.39709	4.34E-19	-0.25784	1.58E-08	-0.0086477	0.85215	0.02309	0.61868
6.81E-08	-0.14116	0.00223	-0.01688	0.71603	0.07324744	0.11393	0.037524	0.41851
0.08499	-0.35071	5.82E-15	-0.19623	1.95E-05	0.14042915	0.00235	0.167419	0.00028
0.15366	-0.18694	4.80E-05	-0.08911	0.0543	0.13110851	0.00454	0.263634	7.27E-09
0.5236	-0.23859	1.81E-07	-0.1376	0.00289	0.04244655	0.36007	0.112972	0.01458
0.54748	-0.1562	0.00071	-0.10743	0.02023	0.01925673	0.67809	0.095908	0.03828
0.03001	-0.2732	1.94E-09	-0.08758	0.05861	0.19977679	1.36E-05	0.164775	0.00035
0.80969	-0.35454	2.81E-15	-0.12148	0.00859	0.28495589	3.57E-10	0.29429	8.77E-11
4.46E-07	0.388433	2.88E-18	0.192014	2.95E-05	-0.1006004	0.02973	-0.23939	1.64E-07
0.00058	-0.20916	5.15E-06	-0.12078	0.00899	0.11034075	0.01706	0.236505	2.33E-07
9.34E-06	-0.26248	8.50E-09	-0.10451	0.02391	0.23856151	1.82E-07	0.39243	1.21E-18
0.50749	-0.2811	6.27E-10	-0.13505	0.00346	0.2167	2.28E-06	0.260718	1.08E-08



0.69018	-0.25863	1.42E-08	-0.16654	0.0003	0.13118626	0.00452	0.231066	4.45E-07
0.74511	-0.27353	1.85E-09	-0.20517	7.84E-06	0.05878042	0.20482	0.210146	4.64E-06
0.01185	-0.52455	2.25E-34	-0.37518	4.67E-17	0.02310387	0.61848	0.066864	0.14911
7.47E-12	-0.11642	0.01181	0.033875	0.46522	0.29218298	1.21E-10	0.364212	4.27E-16
0.894	-0.34017	4.09E-14	-0.18747	4.57E-05	0.02242721	0.6288	-0.00895	0.847
0.4897	-0.15309	0.0009	-0.11842	0.01043	0.23650085	2.33E-07	0.343528	2.22E-14
3.70E-05	-0.36332	5.10E-16	-0.18129	8.15E-05	0.14265027	0.002	0.212961	3.43E-06
0.32194	0.06298	0.17424	0.277238	1.09E-09	0.25923486	1.31E-08	0.25193	3.41E-08
0.71936	-0.3293	2.84E-13	-0.20794	5.87E-06	0.06225683	0.17925	0.142977	0.00195
0.04229	-0.01438	0.75658	0.114922	0.01295	0.32109564	1.16E-12	0.392512	1.19E-18
0.06209	0.313849	3.91E-12	0.176732	0.00012	0.16358281	0.00039	0.146351	0.00152
0.07436	-0.27241	2.17E-09	-0.17947	9.63E-05	0.01188178	0.79788	0.092009	0.0469
0.49122	-0.0926	0.0455	-0.0462	0.31915	0.06930542	0.13479	0.15639	0.0007
0.57849	-0.24921	4.83E-08	0.02368	0.60975	0.03559175	0.44289	0.077364	0.09495
0.26104	-0.21893	1.78E-06	-0.21663	2.30E-06	0.17155393	0.0002	0.064263	0.16561
0.12918	-0.09724	0.03567	0.014259	0.75859	0.23165284	4.16E-07	0.306093	1.38E-11
1.80E-08	-0.46916	6.18E-27	-0.13178	0.00434	0.11004284	0.01736	0.106084	0.02186
0.02867	-0.06712	0.14756	0.012793	0.78276	0.1098688	0.01754	0.112307	0.01518
0.0008	-0.28111	6.26E-10	-0.16968	0.00023	-0.0369485	0.42569	-0.09597	0.03816
0.29255	0.254259	2.52E-08	0.141233	0.00222	-0.2159453	2.48E-06	-0.23214	3.92E-07
0.69036	-0.56192	3.19E-40	-0.31218	5.15E-12	0.0324278	0.4845	0.127226	0.0059
0.14542	-0.32094	1.20E-12	-0.10583	0.02218	0.04908703	0.28979	0.050882	0.2725
0.01661	-0.41777	3.76E-21	-0.26718	4.48E-09	0.06555905	0.15722	0.140036	0.00242
2.41E-05	-0.41503	7.20E-21	-0.16341	0.00039	0.22000035	1.58E-06	0.237831	1.99E-07
6.48E-09	-0.48371	9.26E-29	-0.18386	6.42E-05	-0.0125497	0.78679	0.010125	0.82725
0.64877	-0.51194	1.47E-32	-0.3236	7.60E-13	0.03198001	0.49056	0.180229	8.99E-05
1.03E-05	-0.36668	2.62E-16	-0.18679	4.88E-05	-0.0131027	0.77763	0.062451	0.17789
0.09839	0.014551	0.75381	0.123968	0.00732	0.20169467	1.12E-05	0.301579	2.83E-11
0.86253	-0.30708	1.18E-11	-0.20494	8.03E-06	-0.0021122	0.96369	0.124862	0.0069
0.99489	0.23799	1.95E-07	0.257384	1.68E-08	-0.1084456	0.01907	-0.30972	7.70E-12
0.89494	-0.16015	0.00051	0.019119	0.68027	0.26592081	5.33E-09	0.43646	3.84E-23
7.24E-06	-0.44988	1.19E-24	-0.1997	1.37E-05	0.24803833	5.61E-08	0.157436	0.00064
0.40903	-0.31173	5.54E-12	-0.16644	0.0003	0.05545273	0.23168	0.055241	0.23346
0.83259	-0.38377	7.78E-18	-0.19705	1.79E-05	0.09822763	0.03382	0.091943	0.04706
0.43939	-0.25358	2.75E-08	-0.09056	0.05048	0.03982721	0.3905	0.063226	0.17256
0.90844	-0.17703	0.00012	-0.10385	0.02482	0.06907108	0.13611	0.071217	0.12433
2.94E-08	-0.2496	4.60E-08	-0.0998	0.03106	0.1673923	0.00028	0.164869	0.00035
0.01906	0.375873	4.05E-17	0.309438	8.05E-12	0.27210071	2.27E-09	0.232803	3.63E-07
0.00029	-0.2858	3.15E-10	-0.29527	7.55E-11	-0.0255718	0.58148	-0.08446	0.06821
0.24873	0.249302	4.78E-08	0.074757	0.10665	-0.087727	0.05818	-0.10592	0.02206
0.0084	-0.38434	6.90E-18	-0.30733	1.13E-11	0.0658911	0.15513	0.227245	6.95E-07
0.67653	-0.35462	2.76E-15	-0.29724	5.57E-11	-0.0492773	0.28793	0.057947	0.21132
0.86583	-0.05274	0.25534	0.004747	0.9185	0.12739546	0.00584	0.206439	6.87E-06
0.39939	-0.12357	0.00751	0.017223	0.71048	-0.0037637	0.93535	-0.088	0.05738
0.5815	-0.47334	1.89E-27	-0.25401	2.61E-08	0.05194538	0.26259	0.169592	0.00023

0.00486	0.291315	1.38E-10	0.128656	0.00536	0.10840862	0.01911	0.096686	0.03673
0.60168	-0.28072	6.63E-10	-0.18243	7.34E-05	-0.0620304	0.18084	-0.03343	0.47108
0.15717	-0.21321	3.34E-06	-0.05905	0.20271	0.14798655	0.00134	0.224414	9.62E-07
0.00023	-0.29301	1.07E-10	-0.07708	0.09616	0.29424419	8.83E-11	0.439789	1.65E-23
4.91E-08	-0.13694	0.00302	-0.04676	0.31329	0.00414345	0.92884	-0.05167	0.26513
0.29959	-0.22357	1.06E-06	-0.05553	0.23105	0.2523869	3.22E-08	0.379903	1.76E-17
0.65311	-0.16663	0.0003	-0.17324	0.00017	0.07690627	0.09692	0.100348	0.03014
0.82304	-0.39257	1.17E-18	-0.25792	1.56E-08	0.10620934	0.0217	0.235476	2.64E-07
0.01855	0.369872	1.38E-16	0.347508	1.06E-14	0.29546532	7.32E-11	0.151608	0.00101
0.68099	-0.33732	6.85E-14	-0.12792	0.00563	0.12830444	0.00549	0.187933	4.37E-05
8.41E-20	-0.39755	3.92E-19	-0.19887	1.50E-05	0.1345798	0.00357	0.209821	4.81E-06
0.32314	-0.37716	3.11E-17	-0.16095	0.00048	0.19217826	2.90E-05	0.31345	4.18E-12
0.00055	0.199	1.48E-05	-0.03122	0.50094	-0.0675188	0.14516	-0.0881	0.05712
0.01007	-0.13663	0.00309	-0.00809	0.86151	0.1079783	0.0196	0.180461	8.80E-05
0.9988	0.206517	6.81E-06	0.176487	0.00013	-0.0328632	0.47866	-0.13693	0.00303
0.46104	-0.37203	8.90E-17	-0.23082	4.59E-07	-0.1154261	0.01256	-0.11149	0.01593
2.17E-11	-0.30876	8.99E-12	-0.16036	0.0005	0.22642002	7.64E-07	0.342602	2.63E-14
0.03898	-0.12714	0.00594	-0.08162	0.07806	-0.0458006	0.32334	0.053274	0.25056
0.00034	-0.15901	0.00056	-0.13041	0.00476	0.19771937	1.68E-05	0.285759	3.17E-10
0.00019	0.026875	0.56238	0.05767	0.21351	0.29514484	7.69E-11	0.330295	2.39E-13
0.11086	-0.1684	0.00026	-0.10788	0.0197	0.24428157	8.99E-08	0.363018	5.41E-16
0.00198	-0.1089	0.01857	-0.06064	0.19081	0.25345769	2.80E-08	0.327508	3.88E-13
0.5435	-0.36212	6.45E-16	-0.2322	3.90E-07	0.05985627	0.19664	0.135667	0.00331
0.73056	-0.32513	5.85E-13	-0.22753	6.73E-07	0.11274987	0.01478	0.226846	7.28E-07
0.65591	-0.27056	2.81E-09	-0.16633	0.00031	0.0924575	0.04583	0.129232	0.00516
0.62717	-0.22086	1.44E-06	-0.08982	0.05241	0.1604805	0.0005	0.170575	0.00021
0.2755	-0.07857	0.08988	-0.08823	0.05675	0.11446819	0.01332	0.12379	0.0074
0.01734	-0.3716	9.73E-17	-0.13883	0.00264	0.28945283	1.83E-10	0.347066	1.15E-14
0.9378	-0.38232	1.06E-17	-0.18131	8.14E-05	0.20835016	5.62E-06	0.293626	9.70E-11
0.98933	-0.35688	1.79E-15	-0.16056	0.0005	0.26219365	8.83E-09	0.320717	1.24E-12
0.91414	-0.34764	1.03E-14	-0.18509	5.72E-05	0.26511048	5.95E-09	0.35498	2.58E-15
0.72133	-0.27729	1.09E-09	-0.21498	2.76E-06	0.16482135	0.00035	0.275012	1.50E-09
0.66744	-0.19901	1.47E-05	-0.14906	0.00124	0.16772185	0.00027	0.258954	1.36E-08
0.0461	-0.23422	3.06E-07	-0.06904	0.13628	0.30160104	2.82E-11	0.378893	2.17E-17
0.00052	-0.19508	2.18E-05	-0.03712	0.42357	0.25138849	3.66E-08	0.295658	7.11E-11
0.26984	-0.25495	2.31E-08	-0.02228	0.63106	0.37885319	2.19E-17	0.396188	5.30E-19
0.10947	0.266805	4.72E-09	0.204771	8.17E-06	0.13501007	0.00346	0.033211	0.47401
0.93584	-0.22709	7.08E-07	-0.17313	0.00017	0.10068857	0.02959	0.259877	1.20E-08
0.14977	-0.3658	3.12E-16	-0.26923	3.38E-09	-0.0205429	0.65792	0.120838	0.00895
0.12145	-0.30711	1.17E-11	-0.14388	0.00183	-0.0047875	0.91782	-4.21E-05	0.99928
0.63343	-0.33252	1.61E-13	-0.11924	0.0099	0.0454769	0.32677	0.090527	0.05057
0.10053	-0.55402	6.34E-39	-0.23336	3.40E-07	0.07827874	0.09109	0.093139	0.04425
4.34E-10	-0.31949	1.53E-12	-0.27393	1.75E-09	0.13791758	0.00282	0.326473	4.64E-13
0.53139	-0.33515	1.01E-13	-0.18843	4.17E-05	0.14339494	0.00189	0.270758	2.73E-09
0.00046	-0.46591	1.54E-26	-0.23067	4.66E-07	0.17551893	0.00014	0.274635	1.59E-09

0.00652	-0.30455	1.77E-11	-0.17579	0.00013	0.16403664	0.00037	0.319372	1.56E-12
0.0003	-0.39789	3.63E-19	-0.22538	8.62E-07	0.13510175	0.00344	0.248657	5.18E-08
0.01494	-0.12436	0.00713	0.027161	0.55821	0.1211853	0.00875	0.165179	0.00034
0.22322	0.442495	8.23E-24	0.488178	2.45E-29	0.18456491	6.01E-05	0.168227	0.00026
0.74744	-0.35199	4.56E-15	-0.1145	0.01329	0.17105459	0.0002	0.342	2.93E-14
0.0017	-0.26576	5.45E-09	-0.11531	0.01265	0.01744148	0.70697	-0.08254	0.07474
0.71204	-0.41617	5.50E-21	-0.18292	7.01E-05	0.08211058	0.07628	0.130932	0.0046
0.89277	-0.13921	0.00257	-0.07668	0.09791	-0.0248863	0.59166	-0.1753	0.00014
0.41576	-0.10983	0.01758	-0.06467	0.16291	0.03634319	0.43331	0.097727	0.03475
0.9039	-0.31155	5.71E-12	-0.09852	0.03329	-0.0072755	0.8754	-0.0478	0.30265
4.52E-07	-0.30407	1.91E-11	-0.11195	0.01551	0.16478431	0.00035	0.215789	2.52E-06
0.96914	-0.42451	7.44E-22	-0.14805	0.00133	0.07719037	0.09569	0.105336	0.02281
0.2461	-0.54418	2.35E-37	-0.31613	2.68E-12	0.16491961	0.00035	0.18726	4.66E-05
0.98326	0.333287	1.41E-13	0.254158	2.56E-08	0.22849358	6.02E-07	0.244316	8.95E-08
0.45614	-0.46	7.86E-26	-0.20236	1.05E-05	0.11288162	0.01466	0.179631	9.49E-05
0.06543	-0.07025	0.12952	0.171621	0.00019	0.14251914	0.00202	-0.00813	0.86096
0.46774	-0.13324	0.00392	-0.04315	0.35221	0.03280135	0.47948	0.053214	0.25109
0.85054	-0.31127	5.97E-12	-0.07875	0.08917	0.21019414	4.62E-06	0.196392	1.92E-05
0.02836	-0.20044	1.28E-05	-0.10314	0.02583	0.22683366	7.29E-07	0.297683	5.20E-11
0.52195	0.435621	4.75E-23	0.293141	1.04E-10	0.1821518	7.53E-05	0.144926	0.00169
0.01847	0.237194	2.15E-07	0.235808	2.54E-07	0.25324685	2.88E-08	0.101315	0.02858
0.79148	0.528553	5.77E-35	0.543732	2.77E-37	0.26751951	4.28E-09	0.132022	0.00426
0.28694	-0.43753	2.93E-23	-0.11744	0.01109	0.14773594	0.00137	0.171903	0.00019
0.0643	-0.22516	8.84E-07	-0.10306	0.02594	-0.0442783	0.3397	-0.1036	0.02517
9.36E-06	-0.28629	2.93E-10	-0.20741	6.20E-06	-0.0234548	0.61316	-0.02609	0.57391
0.83338	0.204045	8.81E-06	0.170392	0.00022	-0.0217892	0.6386	-0.09743	0.0353
9.51E-11	-0.25369	2.72E-08	-0.14155	0.00217	0.16350729	0.00039	0.313727	3.99E-12
0.88542	-0.58111	1.58E-43	-0.3021	2.61E-11	-0.0354746	0.44439	-0.03707	0.42411
0.11116	-0.2794	8.02E-10	-0.19176	3.02E-05	0.06805137	0.14201	0.233658	3.28E-07
0.22305	-0.38514	5.82E-18	-0.16693	0.00029	0.00353725	0.93923	0.039539	0.39394
0.04948	-0.29267	1.12E-10	-0.14387	0.00183	0.10201569	0.02749	0.072136	0.11954
0.93686	-0.44332	6.65E-24	-0.1517	0.00101	0.12499935	0.00684	0.174892	0.00015
4.96E-16	-0.23256	3.73E-07	-0.19602	1.99E-05	0.10504548	0.02319	0.246098	7.16E-08
0.08744	-0.30961	7.83E-12	0.023823	0.60759	0.22639395	7.67E-07	0.211759	3.91E-06
0.54963	-0.37894	2.15E-17	-0.26155	9.62E-09	-0.0612291	0.18655	-0.08154	0.07837
0.1272	0.266643	4.83E-09	0.186059	5.22E-05	0.10033752	0.03016	-0.02689	0.56222
6.46E-11	-0.31119	6.06E-12	-0.30308	2.23E-11	-0.0058261	0.90007	0.062765	0.17571
0.01819	-0.24118	1.32E-07	-0.08697	0.06038	0.27468571	1.57E-09	0.459045	1.02E-25
0.29726	-0.36637	2.79E-16	-0.30962	7.82E-12	0.17471719	0.00015	0.038681	0.40429
0.16184	-0.31718	2.25E-12	-0.23535	2.68E-07	0.30511212	1.62E-11	0.501502	4.11E-31
0.37826	-0.45584	2.43E-25	-0.29402	9.14E-11	-0.1198274	0.00954	-0.09225	0.04633
0.17351	0.403258	1.09E-19	0.477878	5.11E-28	0.2511404	3.78E-08	0.058079	0.21028
0.61017	-0.27532	1.44E-09	-0.09258	0.04554	0.14389384	0.00182	0.147964	0.00134
0.0117	-0.41278	1.22E-20	-0.28851	2.10E-10	0.11275445	0.01477	0.278439	9.21E-10
0.45173	-0.48389	8.79E-29	-0.35979	1.02E-15	-0.1480121	0.00134	-0.09437	0.0415

2.32E-12	-0.36743	2.25E-16	-0.20051	1.27E-05	0.15373404	0.00086	0.163176	0.0004
0.79342	-0.38104	1.39E-17	-0.20217	1.07E-05	0.08172107	0.07769	0.178318	0.00011
0.0791	0.346402	1.30E-14	0.225574	8.43E-07	0.08732078	0.05935	0.061605	0.18385
0.89376	-0.25225	3.27E-08	-0.23756	2.05E-07	0.09999798	0.03073	0.248203	5.49E-08
0.0003	-0.43644	3.87E-23	-0.29477	8.14E-11	-0.0092852	0.84139	-0.01433	0.75744
0.50595	-0.43632	3.98E-23	-0.27961	7.78E-10	-0.0815578	0.07829	-0.0903	0.05116
0.93223	-0.43677	3.56E-23	-0.24195	1.20E-07	0.04013204	0.38688	0.140648	0.00232
0.66503	0.267837	4.10E-09	0.27316	1.95E-09	0.02140121	0.64459	-0.10303	0.02599
0.30907	-0.32966	2.67E-13	-0.1341	0.00369	0.02527618	0.58586	0.095657	0.03879
0.8529	-0.42654	4.54E-22	-0.20977	4.83E-06	0.18101885	8.36E-05	0.316241	2.63E-12
7.11E-05	-0.45749	1.56E-25	-0.35344	3.46E-15	0.06335215	0.1717	0.114455	0.01333
0.3632	-0.24575	7.48E-08	-0.10414	0.02441	0.15695882	0.00066	0.306117	1.38E-11
0.01832	-0.43203	1.17E-22	-0.13236	0.00417	0.12001325	0.00943	0.167293	0.00028
4.74E-05	0.135646	0.00331	0.061434	0.18507	-0.0834709	0.07152	-0.23392	3.18E-07
0.05262	-0.20273	1.01E-05	-0.05805	0.2105	0.0010604	0.98177	-0.05161	0.26569
0.00507	-0.45474	3.27E-25	-0.17665	0.00012	0.16729963	0.00028	0.144315	0.00177
5.82E-05	0.341082	3.47E-14	0.25902	1.35E-08	0.10138868	0.02847	-0.01066	0.81824
0.00169	0.451251	8.31E-25	0.532849	1.31E-35	0.17262694	0.00018	-0.04063	0.38099
0.0162	-0.06303	0.17391	0.310059	7.28E-12	0.39886737	2.92E-19	0.240375	1.46E-07
0.48894	-0.38125	1.32E-17	-0.28152	5.90E-10	-0.0654853	0.15769	-0.05563	0.23021
0.93938	0.165163	0.00034	0.340903	3.58E-14	0.31973248	1.47E-12	0.057943	0.21136
0.00569	-0.06474	0.16248	0.023414	0.61378	0.18085267	8.49E-05	0.301123	3.04E-11
0.98857	-0.35467	2.74E-15	-0.26539	5.73E-09	0.09890246	0.03261	0.093706	0.04297
0.17164	-0.42397	8.50E-22	-0.21194	3.83E-06	0.02880729	0.53461	0.013681	0.76809
0.01553	0.233631	3.29E-07	-0.0125	0.78764	0.0715392	0.12263	0.098455	0.03341
0.06646	-0.3339	1.26E-13	-0.14695	0.00145	0.10277996	0.02635	0.069261	0.13504
0.00166	-0.3523	4.30E-15	-0.15809	0.00061	0.05161459	0.26564	0.181224	8.20E-05
0.8701	-0.46554	1.71E-26	-0.2491	4.90E-08	0.16285404	0.00041	0.270886	2.68E-09
0.04162	-0.22689	7.24E-07	-0.08143	0.07877	-0.0207777	0.65426	-0.13957	0.0025
0.00817	-0.24552	7.70E-08	-0.22075	1.46E-06	-0.3565749	1.90E-15	-0.39473	7.31E-19
0.29224	-0.04242	0.36033	0.004188	0.92809	0.17168547	0.00019	0.134131	0.00368
0.65796	-0.40208	1.42E-19	-0.1838	6.46E-05	0.12571751	0.00652	0.220041	1.58E-06
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0.00105	-0.05677	0.22076	0.030411	0.5121	0.33863706	5.40E-14	0.349456	7.36E-15
0.82602	-0.23909	1.71E-07	-0.12606	0.00638	0.1837639	6.48E-05	0.306479	1.30E-11
0.90827	-0.43398	7.19E-23	-0.17165	0.00019	0.09399026	0.04234	0.113846	0.01383
0.28215	-0.48976	1.52E-29	-0.24734	6.13E-08	0.0381469	0.41082	0.065648	0.15666
0.00041	-0.17637	0.00013	-0.07234	0.1185	0.08848558	0.05603	0.191982	2.96E-05
0.00114	-0.4637	2.84E-26	-0.34361	2.18E-14	0.01119586	0.80932	0.16898	0.00024
1.06E-07	-0.04297	0.35416	0.086914	0.06055	0.15534645	0.00076	0.161886	0.00044
0.02371	-0.16512	0.00034	-0.04489	0.33303	0.18208567	7.57E-05	0.301661	2.79E-11
2.92E-06	-0.24485	8.38E-08	-0.07223	0.11907	0.2130978	3.38E-06	0.273932	1.75E-09
5.80E-10	0.177274	0.00012	0.171611	0.00019	0.2281468	6.26E-07	0.089808	0.05244
0.9341	-0.34277	2.55E-14	-0.30183	2.72E-11	-0.216892	2.23E-06	-0.28379	4.23E-10
0.15237	0.34569	1.49E-14	0.487071	3.41E-29	0.42053261	1.95E-21	0.270255	2.93E-09

0.03865	-0.13383	0.00376	-0.03546	0.44452	0.25211755	3.33E-08	0.337989	6.07E-14
0.13899	-0.43203	1.17E-22	-0.22728	6.92E-07	0.07843012	0.09046	0.208518	5.52E-06
0.8186	-0.42267	1.16E-21	-0.17705	0.00012	0.06843577	0.13976	0.081026	0.08026
0.69292	-0.27889	8.63E-10	-0.22168	1.31E-06	0.06550051	0.1576	0.239295	1.66E-07
0.19942	-0.22053	1.49E-06	-0.08242	0.07517	0.11358677	0.01405	0.138629	0.00268
0.24564	-0.14563	0.0016	-0.00558	0.90436	0.12321089	0.00768	0.222581	1.18E-06
0.74677	-0.27519	1.47E-09	-0.09663	0.03684	0.20802152	5.81E-06	0.153064	0.00091
0.34467	-0.35904	1.18E-15	-0.18923	3.86E-05	-0.1082064	0.01934	-0.0908	0.04987
0.90576	-0.31985	1.44E-12	-0.11851	0.01037	0.11987338	0.00952	0.265851	5.38E-09
0.02188	0.219571	1.66E-06	0.088757	0.05528	-0.0276741	0.55081	-0.05208	0.26131
0.73903	-0.18188	7.72E-05	-0.1331	0.00396	0.10746149	0.02019	0.150243	0.00113
0.90508	-0.23134	4.31E-07	-0.12734	0.00586	0.08829351	0.05657	0.158083	0.00061
0.00092	0.199753	1.37E-05	0.01821	0.69469	0.03896147	0.40089	-0.07743	0.09466
0.00981	0.174166	0.00016	0.086645	0.06136	-0.0351798	0.44819	-0.23934	1.65E-07
0.48352	-0.16881	0.00025	-0.19655	1.89E-05	0.05848729	0.20709	0.146563	0.00149
0.58157	-0.25703	1.76E-08	-0.17385	0.00016	-0.0760787	0.10058	-0.13872	0.00266
0.93267	-0.28275	4.93E-10	-0.18807	4.32E-05	0.00693457	0.88119	0.013356	0.77344
2.08E-12	-0.25583	2.05E-08	-0.15817	0.0006	0.12820483	0.00553	0.257448	1.66E-08
9.03E-24	-0.17082	0.00021	-0.03933	0.3965	0.1354324	0.00336	0.239715	1.58E-07
0.08797	-0.10107	0.02896	-0.05316	0.25161	0.07221943	0.11911	0.127529	0.00578
0.05391	-0.39786	3.66E-19	-0.16987	0.00023	0.13971651	0.00248	0.241117	1.33E-07
0.00229	-0.2397	1.58E-07	0.035752	0.44083	0.1000747	0.0306	0.055798	0.22878
0.57549	-0.42433	7.78E-22	-0.20579	7.35E-06	-0.0110531	0.8117	-0.0544	0.24063
9.83E-21	-0.27182	2.36E-09	-0.08218	0.07602	0.33313643	1.45E-13	0.348901	8.17E-15
0.01959	-0.3516	4.92E-15	-0.24638	6.91E-08	0.13256315	0.00411	0.04767	0.30396
0.65158	-0.29429	8.77E-11	-0.14028	0.00238	0.10938604	0.01805	0.191447	3.12E-05
0.06834	-0.39783	3.69E-19	-0.36238	6.13E-16	-0.0381472	0.41082	0.074619	0.1073
9.95E-10	-0.23397	3.16E-07	-0.17766	0.00011	-0.0146128	0.7528	-0.02185	0.63771
0.0143	-0.38289	9.38E-18	-0.29388	9.34E-11	-0.203915	8.93E-06	-0.25155	3.58E-08
0.01215	-0.47311	2.01E-27	-0.21503	2.74E-06	0.20140798	1.16E-05	0.256664	1.84E-08
0.37997	-0.38455	6.59E-18	-0.18052	8.75E-05	0.06499158	0.16086	0.135551	0.00334
0.99254	-0.10401	0.0246	-0.15999	0.00052	-0.0564274	0.22356	-0.01186	0.79833
0.46178	-0.4805	2.38E-28	-0.20214	1.07E-05	0.09229396	0.04622	0.163882	0.00038
0.89591	-0.42533	6.10E-22	-0.14218	0.00207	0.14639839	0.00151	0.160522	0.0005
0.0885	-0.40372	9.81E-20	-0.34381	2.10E-14	-0.1456229	0.0016	-0.17394	0.00016
0.0107	-0.21136	4.08E-06	-0.12661	0.00615	-0.0059173	0.89852	0.080549	0.08206
0.01212	-0.21536	2.64E-06	-0.08705	0.06015	0.38061522	1.51E-17	0.500863	5.02E-31
0.92369	0.137602	0.00288	0.034229	0.46056	-0.1143527	0.01341	-0.33186	1.81E-13
0.12353	-0.05979	0.19711	-0.06542	0.1581	0.16935351	0.00024	0.264083	6.84E-09
0.37527	-0.45017	1.11E-24	-0.12725	0.00589	0.10524616	0.02293	0.099852	0.03097
1.04E-10	-0.13893	0.00262	-0.03323	0.47378	0.09129728	0.04863	0.174918	0.00015
0.20889	-0.2513	3.70E-08	-0.10818	0.01936	0.08531268	0.06547	0.148779	0.00126
0.98761	-0.45009	1.13E-24	-0.16482	0.00035	0.01650442	0.72204	-0.00115	0.98019
0.94823	-0.24953	4.64E-08	-0.17739	0.00012	0.05138237	0.2678	0.148633	0.00128
0.00914	0.463605	2.92E-26	0.485566	5.34E-29	0.25738032	1.68E-08	0.09136	0.04848

0.10931	-0.27605	1.30E-09	-0.08113	0.07987	0.05385597	0.24541	0.037274	0.42162
5.91E-06	0.446771	2.71E-24	0.375627	4.27E-17	0.19720809	1.77E-05	0.146156	0.00154
0.05462	-0.22387	1.02E-06	-0.01552	0.73806	0.30969615	7.72E-12	0.316444	2.55E-12
0.05252	0.025183	0.58724	0.043544	0.34777	-0.2013308	1.16E-05	-0.2794	8.02E-10
2.85E-06	0.06615	0.15351	0.204501	8.40E-06	0.02592318	0.5763	-0.08989	0.05223
0.56954	-0.10048	0.02992	0.07592	0.10129	0.46031227	7.22E-26	0.645024	2.74E-56
0.13885	-0.25594	2.02E-08	-0.09542	0.03929	0.13294252	0.004	0.272054	2.28E-09
0.40004	-0.19034	3.47E-05	-0.13125	0.0045	-0.005472	0.90612	0.060908	0.18887
0.12617	-0.37349	6.61E-17	-0.23189	4.04E-07	-0.0426865	0.35736	-0.13368	0.0038
0.61013	-0.0886	0.05572	-0.1402	0.00239	-0.0813589	0.07902	0.063456	0.171
0.55912	-0.19501	2.20E-05	-0.13815	0.00277	0.03056618	0.50994	0.103227	0.0257
0.3409	-0.2064	6.90E-06	-0.08148	0.07858	0.14864842	0.00127	0.293032	1.06E-10
0.84654	-0.17129	0.0002	0.039413	0.39545	0.16501538	0.00034	0.102422	0.02688
0.31966	-0.54669	9.46E-38	-0.26902	3.48E-09	-0.0696767	0.13271	-0.1399	0.00244
0.00426	-0.36376	4.67E-16	-0.23084	4.57E-07	0.16006185	0.00052	0.334414	1.15E-13
0.36918	-0.3093	8.24E-12	-0.162	0.00044	-0.1569943	0.00066	-0.24836	5.38E-08
0.25929	-0.34876	8.39E-15	-0.11524	0.0127	0.22643223	7.63E-07	0.223499	1.07E-06
0.66194	-0.33213	1.73E-13	-0.17315	0.00017	0.10055942	0.0298	0.165397	0.00033
0.54593	-0.27204	2.29E-09	-0.13071	0.00467	0.03537702	0.44565	0.073176	0.11428
0.05952	-0.44904	1.49E-24	-0.24131	1.30E-07	0.13870532	0.00267	0.093113	0.04431
8.14E-06	-0.39537	6.35E-19	-0.29845	4.61E-11	0.01039663	0.8227	0.147439	0.0014
0.16098	-0.3454	1.57E-14	-0.12152	0.00857	-0.0353413	0.44611	-0.05006	0.28035
0.98958	-0.51845	1.74E-33	-0.27648	1.22E-09	0.00040218	0.99308	0.002388	0.95895
0.002	-0.33932	4.78E-14	-0.17736	0.00012	0.1302004	0.00483	0.223029	1.13E-06
5.18E-05	-0.25917	1.32E-08	-0.12649	0.0062	0.21576321	2.53E-06	0.402867	1.19E-19
0.04428	-0.14062	0.00232	0.065681	0.15645	0.54185672	5.43E-37	0.64298	7.83E-56
0.34566	-0.29312	1.05E-10	-0.12854	0.0054	0.03766711	0.41673	0.070355	0.12897
1.17E-05	-0.30793	1.03E-11	-0.18489	5.83E-05	0.02579187	0.57823	0.097221	0.0357
0.35129	-0.44993	1.18E-24	-0.25267	3.10E-08	0.07245315	0.11791	0.173166	0.00017
1.28E-06	0.186866	4.84E-05	0.012329	0.79045	0.08370848	0.07072	0.125757	0.00651
0.74238	-0.34816	9.38E-15	-0.25156	3.58E-08	0.09326213	0.04397	0.264747	6.25E-09
0.12568	-0.16882	0.00025	-0.11623	0.01195	-0.2063051	6.96E-06	-0.19209	2.93E-05
0.0212	-0.10522	0.02297	-0.00482	0.91726	0.14622729	0.00153	0.108642	0.01885
3.55E-15	-0.27054	2.82E-09	-0.10843	0.01908	0.14990388	0.00116	0.244758	8.47E-08
0.69588	-0.18928	3.84E-05	-0.08863	0.05562	0.26326025	7.65E-09	0.354719	2.71E-15
0.70467	-0.30051	3.34E-11	-0.16414	0.00037	0.11868927	0.01026	0.243505	9.90E-08
0.8149	-0.30199	2.65E-11	-0.0946	0.041	0.1243066	0.00716	0.186533	5.00E-05
0.92669	-0.45823	1.27E-25	-0.24004	1.52E-07	-0.0341722	0.4613	-0.0739	0.11075
3.42E-06	0.315233	3.11E-12	0.323117	8.26E-13	0.02770288	0.55039	-0.12131	0.00868
0.59182	-0.43611	4.20E-23	-0.206	7.19E-06	0.09825984	0.03377	0.183647	6.55E-05
0.25716	-0.47491	1.21E-27	-0.22899	5.68E-07	0.02479187	0.59306	0.071892	0.12079
0.0952	-0.39287	1.10E-18	-0.36826	1.91E-16	-0.0283973	0.54044	0.154188	0.00083
0.15051	-0.23536	2.68E-07	-0.02948	0.52514	0.27126041	2.55E-09	0.317685	2.07E-12
2.73E-16	-0.42301	1.07E-21	-0.28026	7.08E-10	0.16028071	0.00051	0.316191	2.65E-12
0.05701	-0.20848	5.54E-06	-0.01106	0.81163	0.21771114	2.04E-06	0.158547	0.00058

0.23829	-0.1743	0.00015	-0.12503	0.00683	0.00108827	0.98129	0.112563	0.01494
0.03421	-0.33217	1.72E-13	-0.19012	3.55E-05	-0.0537788	0.24609	0.034546	0.45641
0.00722	-0.03755	0.41815	-0.07074	0.12687	0.14227259	0.00206	0.26038	1.13E-08
0.3874	-0.18861	4.10E-05	-0.08347	0.07153	-0.0733811	0.11327	-0.06869	0.13829
0.0129	-0.39023	1.95E-18	-0.16671	0.0003	0.16890362	0.00025	0.200866	1.22E-05
0.16925	-0.05512	0.23453	0.197055	1.79E-05	0.28310638	4.68E-10	0.18722	4.68E-05
0.52281	0.043597	0.34719	0.062863	0.17504	-0.1576402	0.00063	-0.19906	1.47E-05
0.04861	0.281197	6.18E-10	0.15581	0.00073	0.20072687	1.24E-05	0.260358	1.13E-08
0.03606	-0.3022	2.56E-11	-0.18733	4.63E-05	0.06416738	0.16624	0.132508	0.00412
0.06834	-0.14549	0.00162	0.114346	0.01342	0.32785175	3.65E-13	0.153192	0.0009
0.98901	-0.07174	0.12157	0.021584	0.64177	0.21133722	4.09E-06	0.23056	4.73E-07
2.36E-07	0.359431	1.09E-15	0.460864	6.20E-26	0.16544909	0.00033	-0.023	0.6201
0.7461	-0.48231	1.40E-28	-0.26712	4.52E-09	-0.2554767	2.15E-08	-0.18414	6.26E-05
0.10206	-0.13673	0.00307	-0.14582	0.00158	-0.089494	0.05328	-0.07399	0.11029
0.76931	-0.01841	0.69156	0.067012	0.14821	0.37359115	6.48E-17	0.48892	1.96E-29
0.96595	-0.26905	3.47E-09	-0.23911	1.70E-07	0.04380312	0.34491	0.151556	0.00102
0.00277	-0.16589	0.00032	-0.10726	0.02043	0.07614365	0.10029	0.16331	0.00039
0.10373	-0.16747	0.00028	-0.05886	0.2042	0.06629391	0.15261	0.13332	0.0039
0.80425	-0.23618	2.42E-07	-0.05737	0.21593	0.0627962	0.1755	0.091691	0.04767
0.54914	-0.16142	0.00046	-0.17731	0.00012	-0.1632562	0.0004	-0.01918	0.67923
0.19826	-0.29109	1.43E-10	0.010878	0.81463	0.01176623	0.79981	0.045489	0.32665
0.54203	-0.28262	5.03E-10	-0.05441	0.2406	0.10857432	0.01893	0.126081	0.00637
0.01524	0.403307	1.08E-19	0.425219	6.27E-22	0.05577997	0.22893	-0.07419	0.10936
0.98275	-0.32155	1.08E-12	-0.1071	0.02062	0.08414613	0.06925	0.092472	0.0458
0.1745	0.181248	8.18E-05	0.107641	0.01998	0.03547364	0.4444	-0.06054	0.19159
0.41766	-0.43148	1.34E-22	-0.18888	3.99E-05	0.30680185	1.23E-11	0.365317	3.43E-16
0.05416	-0.14808	0.00133	-0.09922	0.03206	0.03416501	0.4614	0.117018	0.01138
0.25608	-0.53698	3.08E-36	-0.21499	2.75E-06	0.07294116	0.11545	0.060229	0.19386
0.16395	-0.15813	0.0006	-0.08584	0.06382	0.0274089	0.55463	0.099775	0.0311
0.09837	0.427051	4.00E-22	0.234569	2.94E-07	0.01809723	0.69649	-0.12403	0.00729
0.05918	0.421826	1.43E-21	0.310438	6.84E-12	-0.1478152	0.00136	-0.17889	0.0001
0.43183	-0.36581	3.12E-16	-0.24195	1.20E-07	-0.0211625	0.64828	0.110312	0.01709
0.43346	-0.44543	3.84E-24	-0.30788	1.04E-11	0.0463337	0.31773	0.145998	0.00156
0.88463	-0.29826	4.75E-11	-0.18448	6.06E-05	0.23988688	1.55E-07	0.212459	3.62E-06
0.22981	-0.13984	0.00246	-0.17284	0.00017	0.02271673	0.62437	0.154382	0.00082
0.93186	-0.38654	4.32E-18	-0.23092	4.53E-07	0.07305442	0.11489	0.177738	0.00011
0.25671	-0.00427	0.92675	-0.20347	9.35E-06	-0.2941335	8.98E-11	-0.35496	2.59E-15
1.92E-06	-0.30164	2.80E-11	-0.16692	0.00029	0.21412045	3.03E-06	0.29261	1.13E-10
0.82431	0.244504	8.74E-08	0.036074	0.43672	-0.0963785	0.03734	-0.28333	4.53E-10
0.94093	-0.24327	1.02E-07	-0.18161	7.92E-05	0.09047896	0.0507	0.236402	2.36E-07
0.09541	-0.19703	1.80E-05	-0.19185	3.00E-05	0.00789262	0.86493	0.167836	0.00027
0.05299	-0.17511	0.00014	0.105547	0.02254	0.3439734	2.04E-14	0.41704	4.48E-21
0.0006	-0.36939	1.52E-16	-0.25141	3.65E-08	0.14610301	0.00155	0.228514	6.00E-07
8.32E-06	0.465424	1.76E-26	0.284921	3.58E-10	0.24809569	5.57E-08	0.165479	0.00033
0.70113	-0.34889	8.18E-15	-0.04673	0.31362	0.25824615	1.50E-08	0.19127	3.17E-05

0.34943	-0.35471	2.72E-15	-0.15186	0.00099	0.03629432	0.43393	0.047343	0.3073
0.04948	-0.19259	2.79E-05	-0.04615	0.31971	0.21511172	2.72E-06	0.084224	0.069
0.09626	-0.4117	1.57E-20	-0.22906	5.63E-07	-0.0920752	0.04674	-0.13331	0.0039
0.11366	-0.28715	2.58E-10	-0.09283	0.04497	0.09516782	0.03981	0.126576	0.00616
8.19E-16	-0.18611	5.20E-05	-0.08986	0.0523	0.09116985	0.04895	0.128364	0.00547
0.34447	-0.36576	3.14E-16	-0.12621	0.00631	0.07523943	0.1044	0.140051	0.00242
0.08296	-0.39439	7.87E-19	-0.18146	8.03E-05	0.03979244	0.39092	0.121045	0.00883
0.93033	-0.22608	7.95E-07	-0.20728	6.29E-06	-0.0088217	0.84921	0.159685	0.00053
0.00535	0.317405	2.17E-12	0.225423	8.57E-07	0.11644681	0.01179	0.028587	0.53774
0.2831	-0.43819	2.48E-23	-0.20699	6.48E-06	0.07982943	0.08484	0.170786	0.00021
0.07334	0.242113	1.18E-07	0.378643	2.28E-17	0.19560788	2.07E-05	0.026893	0.5621
0.36135	-0.40604	5.80E-20	-0.20622	7.03E-06	0.00191258	0.96712	0.072815	0.11609
0.03038	-0.30215	2.58E-11	-0.18285	7.06E-05	0.03652533	0.43101	0.143064	0.00194
0.0186	-0.39544	6.25E-19	-0.2171	2.19E-06	-0.2729143	2.02E-09	-0.31743	2.16E-12
1.79E-05	0.142107	0.00208	0.008445	0.85558	-0.0096726	0.83486	-0.0688	0.13768
8.68E-21	-0.12343	0.00757	-0.08763	0.05847	0.22418389	9.88E-07	0.321137	1.16E-12
0.30809	0.313087	4.44E-12	0.336993	7.27E-14	0.02929059	0.52777	0.015001	0.74646
3.98E-08	-0.21256	3.58E-06	-0.19261	2.78E-05	-0.1232806	0.00765	-0.12025	0.00929
3.21E-05	-0.27693	1.14E-09	-0.1086	0.0189	-0.0247081	0.59431	0.028894	0.53338
0.0012	-0.39253	1.18E-18	-0.21586	2.50E-06	-0.0185834	0.68875	-0.01675	0.7181
0.05171	-0.35619	2.05E-15	-0.17094	0.00021	-0.0290679	0.53091	-0.04428	0.33972
7.76E-05	-0.24514	8.07E-08	-0.18769	4.47E-05	0.09839194	0.03353	0.245719	7.51E-08
0.2549	-0.33342	1.37E-13	-0.04924	0.28829	0.10763412	0.01999	0.181922	7.69E-05
0.2255	-0.27413	1.70E-09	-0.17793	0.00011	0.27714237	1.11E-09	0.417686	3.84E-21
0.01064	-0.32444	6.59E-13	-0.07994	0.08442	0.30071169	3.24E-11	0.453491	4.57E-25
3.16E-13	0.151872	0.00099	0.073516	0.11261	-0.1266301	0.00614	-0.25295	2.99E-08
0.43486	-0.30004	3.60E-11	-0.14244	0.00203	0.13475062	0.00353	0.195835	2.03E-05
0.85361	-0.47357	1.77E-27	-0.27826	9.45E-10	0.04725744	0.30817	0.050071	0.28022
0.69434	-0.45315	5.01E-25	-0.22291	1.14E-06	-0.0063872	0.89051	0.001288	0.97785
0.40085	-0.01366	0.76843	0.13959	0.0025	0.28418985	3.99E-10	0.345232	1.62E-14
0.05163	-0.20324	9.57E-06	-0.36548	3.32E-16	-0.0772252	0.09554	0.107587	0.02004
0.83885	-0.29566	7.10E-11	-0.18179	7.79E-05	0.05504346	0.23514	0.287717	2.37E-10
0.61078	-0.28991	1.70E-10	0.089926	0.05213	0.46521475	1.87E-26	0.483809	9.00E-29
6.69E-06	-0.17014	0.00022	-0.10758	0.02006	0.25142757	3.64E-08	0.336283	8.25E-14
0.00792	-0.49532	2.80E-30	-0.28832	2.16E-10	-0.0800538	0.08397	-0.15215	0.00097
0.00122	-0.16832	0.00026	-0.04244	0.3601	0.02817485	0.54362	0.022958	0.62069
0.03437	0.408058	3.65E-20	0.341831	3.02E-14	0.13192585	0.00429	0.072353	0.11843
0.4925	-0.35582	2.20E-15	-0.06882	0.13752	0.27945999	7.95E-10	0.168737	0.00025
0.10775	-0.23074	4.63E-07	-0.18493	5.81E-05	0.06007261	0.19502	0.144104	0.0018
0.90415	-0.30289	2.30E-11	-0.1938	2.48E-05	0.1905606	3.40E-05	0.303125	2.22E-11
0.03535	-0.26312	7.79E-09	0.062583	0.17697	0.43972458	1.68E-23	0.323836	7.30E-13
0.01289	0.236815	2.25E-07	0.072029	0.12009	0.11348339	0.01414	0.133798	0.00377
0.00017	-0.25058	4.06E-08	-0.03875	0.40352	0.27624515	1.26E-09	0.312538	4.86E-12
0.00153	0.273917	1.75E-09	0.313196	4.36E-12	0.04600048	0.32123	-0.07711	0.09604
0.10151	-0.3359	8.85E-14	-0.27323	1.93E-09	0.0402497	0.38549	0.223693	1.04E-06



0.38975	-0.40667	5.01E-20	-0.21192	3.84E-06	0.03599508	0.43773	0.086085	0.06306
0.68388	-0.17357	0.00016	-0.11398	0.01372	0.03744388	0.4195	-0.0206	0.65703
0.05394	-0.4603	7.24E-26	-0.19664	1.87E-05	0.04915044	0.28917	0.090978	0.04943
3.70E-07	-0.26767	4.19E-09	-0.19241	2.84E-05	0.30523765	1.58E-11	0.333207	1.43E-13
0.24633	-0.52227	4.86E-34	-0.23702	2.19E-07	0.12088341	0.00893	0.136824	0.00305
0.70521	0.347425	1.08E-14	0.303432	2.11E-11	0.17468182	0.00015	-0.05197	0.26232
0.00082	-0.19751	1.71E-05	0.007666	0.86876	0.1713629	0.0002	0.070385	0.1288
0.44345	0.048859	0.29205	-0.01427	0.75837	0.19331118	2.60E-05	0.178258	0.00011
1.60E-09	0.25319	2.90E-08	0.033341	0.47229	-0.021216	0.64745	-0.17241	0.00018
0.13075	-0.34006	4.17E-14	-0.12029	0.00927	0.14684888	0.00146	0.145336	0.00164
0.37789	0.193501	2.55E-05	0.105193	0.023	-0.0504901	0.27621	-0.1722	0.00018
0.3557	-0.17264	0.00018	-0.0983	0.03369	0.07055059	0.1279	0.167703	0.00027
0.74242	-0.09279	0.04506	-0.10232	0.02704	0.07250749	0.11764	0.202252	1.06E-05
0.00229	0.129617	0.00503	0.033631	0.46843	0.17632155	0.00013	0.040278	0.38515
0.6473	0.202695	1.01E-05	0.166065	0.00031	0.11200345	0.01545	0.116114	0.01204
0.82167	-0.45053	1.01E-24	-0.21843	1.89E-06	0.02856201	0.53809	-0.03084	0.5062
3.74E-06	0.345586	1.52E-14	0.189543	3.75E-05	-0.1478766	0.00135	-0.23061	4.70E-07
0.00018	-0.34264	2.61E-14	-0.21881	1.81E-06	-0.1029149	0.02615	-0.07767	0.09366
0.00191	-0.3026	2.41E-11	-0.24606	7.19E-08	0.05578921	0.22885	0.147805	0.00136
0.10136	-0.24378	9.57E-08	-0.09137	0.04846	0.11820302	0.01057	0.129021	0.00523
6.28E-07	0.255096	2.26E-08	0.181154	8.25E-05	0.13025848	0.00481	0.036035	0.43722
0.00486	-0.10397	0.02464	-0.09245	0.04586	0.11417924	0.01355	0.224632	9.38E-07
0.81062	-0.32374	7.42E-13	-0.10736	0.02031	0.07156487	0.1225	0.059577	0.19873
0.00923	-0.19388	2.46E-05	-0.03646	0.43177	0.1869303	4.81E-05	0.314936	3.27E-12
0.01566	-0.28401	4.10E-10	-0.06093	0.18873	0.23807041	1.93E-07	0.247237	6.21E-08
0.37564	-0.4123	1.36E-20	-0.12478	0.00694	0.07228007	0.1188	0.093298	0.04388
4.91E-08	-0.28386	4.19E-10	-0.16657	0.0003	0.16598431	0.00032	0.289254	1.88E-10
0.00011	0.432818	9.61E-23	0.352814	3.90E-15	0.38718399	3.76E-18	0.230001	5.05E-07
0.78459	-0.23794	1.96E-07	-0.06046	0.19212	-0.0306912	0.50821	0.040686	0.38036
0.01657	-0.44007	1.53E-23	-0.20043	1.28E-05	0.13180902	0.00433	0.149683	0.00118
0.53966	-0.26764	4.21E-09	-0.16995	0.00022	0.00897794	0.84657	0.138906	0.00263
0.0098	-0.33481	1.07E-13	-0.13175	0.00435	0.15407422	0.00084	0.056558	0.22249
8.45E-07	-0.31173	5.54E-12	-0.17472	0.00015	0.15072769	0.00109	0.257098	1.74E-08
0.62945	-0.12568	0.00654	-0.05019	0.27904	0.09604783	0.038	0.164579	0.00036
0.81769	-0.26882	3.58E-09	-0.0732	0.11419	0.11793678	0.01075	0.203187	9.63E-06
0.00223	-0.39778	3.73E-19	-0.25526	2.22E-08	0.14646528	0.0015	0.233397	3.38E-07
0.00114	-0.5204	9.09E-34	-0.28555	3.27E-10	0.20256728	1.03E-05	0.217617	2.06E-06
0.05308	-0.24604	7.21E-08	-0.19077	3.33E-05	0.06829769	0.14056	0.063094	0.17346
0.47968	-0.29514	7.70E-11	-0.14781	0.00136	0.02074356	0.65479	0.061624	0.18372
0.00182	-0.24975	4.51E-08	-0.02261	0.62597	-0.0635463	0.17039	-0.12028	0.00927
0.4875	-0.45298	5.25E-25	-0.06528	0.15899	0.43959317	1.73E-23	0.362067	6.53E-16
0.72365	-0.18769	4.48E-05	-0.17347	0.00017	0.06156987	0.1841	0.089665	0.05282
0.33878	-0.36319	5.23E-16	-0.18566	5.42E-05	0.09019972	0.05142	0.197273	1.76E-05
1.16E-07	-0.41325	1.09E-20	-0.18265	7.19E-05	0.18079409	8.53E-05	0.284943	3.57E-10
0.02644	-0.20676	6.64E-06	-0.19101	3.25E-05	-0.0127887	0.78283	-0.1387	0.00267

0.46591	-0.30825	9.76E-12	-0.1296	0.00503	0.1034074	0.02544	0.133263	0.00391
0.83785	-0.35731	1.65E-15	-0.15895	0.00057	0.10579669	0.02222	0.075484	0.10328
0.09709	-0.3631	5.32E-16	-0.22644	7.62E-07	0.0734132	0.11311	0.175037	0.00014
0.37708	0.041377	0.37232	-0.06064	0.19084	-0.3289611	3.01E-13	-0.36776	2.11E-16
0.23734	-0.42095	1.76E-21	-0.14565	0.0016	0.15468257	0.0008	0.240122	1.50E-07
0.30936	-0.2765	1.22E-09	-0.16659	0.0003	0.01889743	0.68377	0.039848	0.39025
0.15535	0.259287	1.30E-08	0.197972	1.64E-05	0.09531948	0.03949	0.135164	0.00343
0.17984	-0.28256	5.07E-10	-0.18178	7.79E-05	0.07120763	0.12438	0.087745	0.05813
0.93653	0.322544	9.11E-13	0.265297	5.80E-09	0.36333404	5.08E-16	0.253834	2.67E-08
0.00268	-0.14124	0.00222	-0.06382	0.16854	-0.0179324	0.69911	-0.07556	0.10292
0.84306	0.06187	0.18197	0.101149	0.02885	0.16080681	0.00049	-0.01529	0.7417
0.65595	-0.07201	0.1202	0.198335	1.58E-05	0.39428865	8.05E-19	0.236192	2.42E-07
0.04302	-0.3784	2.40E-17	-0.1515	0.00102	0.05576658	0.22904	0.085222	0.06576
0.91468	0.316016	2.73E-12	0.308735	9.02E-12	-0.2202565	1.54E-06	-0.20834	5.62E-06
0.44779	-0.28408	4.06E-10	-0.09626	0.03758	0.09517017	0.0398	0.125873	0.00646
3.25E-05	-0.20212	1.07E-05	-0.04787	0.30195	0.21033579	4.55E-06	0.300451	3.38E-11
0.00259	-0.48677	3.74E-29	-0.28312	4.67E-10	0.10011679	0.03053	0.08276	0.07398
0.84684	-0.38163	1.22E-17	-0.10939	0.01804	0.13146141	0.00443	0.240305	1.47E-07
0.51441	-0.08747	0.0589	-0.03824	0.40969	0.1495356	0.00119	0.192805	2.73E-05
0.04056	-0.1907	3.35E-05	-0.02	0.66642	0.04677137	0.31318	0.065476	0.15775
0.00694	-0.03432	0.45936	0.051095	0.27049	0.23909621	1.70E-07	0.206634	6.73E-06
0.60071	-0.24409	9.21E-08	-0.13412	0.00369	-0.0510285	0.27112	-0.14484	0.0017
7.72E-05	-0.34794	9.78E-15	-0.16753	0.00028	0.00441784	0.92414	0.057646	0.21371
0.00149	-0.36219	6.37E-16	0.007499	0.8716	0.47020891	4.60E-27	0.523488	3.23E-34
7.40E-20	-0.00351	0.93964	-0.00271	0.95338	0.1930697	2.66E-05	0.279836	7.53E-10
0.01497	-0.23211	3.94E-07	-0.14087	0.00228	0.02531114	0.58534	0.133125	0.00395
0.00011	-0.36711	2.40E-16	0.011591	0.80273	0.04134255	0.37271	-0.05186	0.26336
0.68998	-0.30347	2.10E-11	-0.22991	5.10E-07	-0.0125664	0.78651	0.103707	0.02502
0.89353	-0.36341	5.01E-16	-0.24613	7.13E-08	0.00386755	0.93357	0.063101	0.17341
0.55138	-0.41348	1.04E-20	-0.26497	6.06E-09	0.21935118	1.70E-06	0.364929	3.71E-16
0.20938	-0.43504	5.50E-23	-0.17528	0.00014	0.21444285	2.92E-06	0.223517	1.07E-06
0.08828	-0.42098	1.75E-21	-0.29793	5.00E-11	0.13140261	0.00445	0.234637	2.92E-07
0.98679	-0.38789	3.23E-18	-0.1156	0.01242	0.34176959	3.06E-14	0.362839	5.61E-16
0.42295	0.335257	9.92E-14	0.254404	2.48E-08	0.07536255	0.10383	0.075789	0.10188
0.23367	-0.3852	5.75E-18	-0.22352	1.06E-06	0.05568729	0.2297	0.182636	7.20E-05
0.97356	-0.07115	0.12469	0.014413	0.75607	-0.0105864	0.81952	-0.08486	0.06691
0.2685	-0.23819	1.90E-07	-0.10486	0.02344	0.12661902	0.00614	0.238641	1.80E-07
0.37584	-0.26363	7.27E-09	-0.16966	0.00023	-0.0811754	0.0797	-0.01717	0.71136
0.08521	-0.18614	5.18E-05	-0.12591	0.00644	0.06995649	0.13115	0.010079	0.82804
0.74868	-0.26198	9.09E-09	-0.171	0.0002	0.14732967	0.00141	0.224837	9.17E-07
1.89E-06	-0.16428	0.00036	0.033119	0.47524	0.26713684	4.51E-09	0.258989	1.36E-08
0.00679	-0.37224	8.53E-17	-0.18168	7.86E-05	0.07609545	0.1005	0.09412	0.04205
0.15299	-0.06558	0.15712	-0.06325	0.1724	0.08580507	0.06392	0.205626	7.48E-06
6.20E-05	-0.42312	1.04E-21	-0.23798	1.95E-07	0.15992791	0.00052	0.240021	1.52E-07
0.62348	-0.22393	1.02E-06	0.02974	0.52145	0.40291118	1.18E-19	0.504846	1.43E-31

2.91E-10	0.186564	4.98E-05	0.181389	8.08E-05	0.15834932	0.00059	0.146766	0.00147
0.03819	-0.33343	1.37E-13	-0.05994	0.19599	0.24818627	5.50E-08	0.28606	3.03E-10
0.97605	-0.47036	4.41E-27	-0.30075	3.22E-11	0.14311849	0.00193	0.295265	7.55E-11
0.25252	-0.44272	7.75E-24	-0.19586	2.02E-05	0.16369807	0.00038	0.207508	6.14E-06
0.83736	-0.35947	1.08E-15	-0.10412	0.02443	0.13268055	0.00408	0.175618	0.00014
0.25967	-0.37821	2.50E-17	-0.16103	0.00048	0.14846849	0.00129	0.13129	0.00448
0.51393	-0.51661	3.20E-33	-0.28007	7.28E-10	0.10607068	0.02187	0.205732	7.39E-06
0.01835	-0.26842	3.78E-09	-0.13269	0.00407	0.06092708	0.18873	0.088557	0.05583
5.41E-40	-0.18738	4.61E-05	-0.12084	0.00895	0.09289217	0.04482	0.165283	0.00033
0.21107	-0.4767	7.20E-28	-0.24134	1.29E-07	0.00814783	0.8606	0.077317	0.09515
0.84141	-0.21497	2.76E-06	-0.10801	0.01956	0.07806619	0.09197	0.135952	0.00324
0.69108	-0.47646	7.71E-28	-0.23812	1.92E-07	0.10825377	0.01928	0.214868	2.79E-06
0.00027	-0.29224	1.20E-10	-0.16952	0.00023	0.0784013	0.09058	0.168755	0.00025
0.00927	-0.42638	4.72E-22	-0.22406	1.00E-06	0.19855226	1.54E-05	0.357949	1.46E-15
0.62722	-0.41086	1.91E-20	-0.13123	0.0045	0.08113399	0.07986	0.07925	0.08713
0.35734	-0.39067	1.78E-18	-0.14109	0.00224	0.02480017	0.59294	0.0098	0.83272
0.70613	-0.51128	1.83E-32	-0.30523	1.59E-11	-0.0155407	0.73766	0.069027	0.13636
0.00133	0.301929	2.68E-11	0.356589	1.89E-15	-0.1429549	0.00196	-0.2775	1.05E-09
0.24108	0.374231	5.68E-17	0.295614	7.16E-11	-0.0776649	0.09366	-0.32278	8.75E-13
0.4258	-0.27719	1.10E-09	-0.05929	0.20093	0.17518587	0.00014	0.213121	3.37E-06
0.37941	-0.29581	6.94E-11	0.022471	0.62812	0.43242666	1.06E-22	0.459667	8.61E-26
3.30E-05	0.524377	2.39E-34	0.322769	8.77E-13	-0.1129408	0.01461	-0.14239	0.00204
0.10876	-0.10207	0.02741	0.108912	0.01856	0.41979561	2.32E-21	0.424784	6.97E-22
5.98E-06	-0.24877	5.11E-08	-0.14481	0.0017	0.04125407	0.37374	-0.00383	0.93426
9.14E-12	-0.35832	1.35E-15	-0.20177	1.11E-05	0.1442032	0.00178	0.210874	4.29E-06
0.01835	-0.34849	8.82E-15	-0.21874	1.82E-06	0.1000597	0.03062	0.219175	1.74E-06
0.00247	-0.24732	6.14E-08	0.020395	0.66023	0.14293127	0.00196	0.290981	1.45E-10
0.51813	-0.11539	0.01259	0.038079	0.41166	0.06794765	0.14262	0.089881	0.05225
0.37691	-0.27772	1.02E-09	-0.01241	0.78914	-0.0460421	0.32079	-0.02693	0.56155
0.48752	-0.20606	7.15E-06	-0.02901	0.53175	-0.108644	0.01885	-0.06066	0.19066
0.1161	-0.02649	0.56804	-0.00321	0.94481	0.00375439	0.93551	0.049117	0.2895
0.45841	-0.44306	7.12E-24	-0.12378	0.0074	0.09454236	0.04113	0.123952	0.00732
0.39261	-0.44876	1.61E-24	-0.28271	4.96E-10	-0.0290123	0.5317	0.092679	0.04531
0.00074	-0.44058	1.35E-23	-0.20694	6.52E-06	0.04123673	0.37394	0.070836	0.12637
0.26758	-0.49235	6.94E-30	-0.18992	3.61E-05	0.0685841	0.1389	0.08624	0.06258
2.74E-10	-0.32526	5.72E-13	-0.28218	5.36E-10	0.07614263	0.10029	0.280573	6.77E-10
0.01432	-0.14678	0.00147	-0.12219	0.00821	0.19845623	1.56E-05	0.286069	3.02E-10
0.15362	-0.28788	2.31E-10	-0.23775	2.01E-07	-0.0446528	0.33562	-0.01911	0.68042
0.56735	-0.08453	0.06798	-0.04877	0.29288	0.29622549	6.51E-11	0.252622	3.12E-08
0.77357	-0.39999	2.28E-19	-0.04672	0.31368	0.2048341	8.12E-06	0.166589	0.0003
0.4294	-0.19448	2.32E-05	-0.12226	0.00817	0.08627412	0.06248	0.213741	3.15E-06
0.04751	0.277447	1.06E-09	0.150996	0.00106	0.12202948	0.00829	0.125118	0.00678
0.46304	-0.27192	2.32E-09	-0.20969	4.87E-06	-0.0587137	0.20533	0.05721	0.2172
0.08158	-0.46071	6.48E-26	-0.21664	2.30E-06	0.08768671	0.05829	0.036536	0.43088
0.00021	-0.2296	5.29E-07	-0.00331	0.94312	0.26294827	7.98E-09	0.267711	4.17E-09

0.00583	-0.34783	9.99E-15	-0.16385	0.00038	0.10026301	0.03028	0.217706	2.04E-06
0.48829	-0.43228	1.10E-22	-0.19247	2.82E-05	0.15388642	0.00085	0.122576	0.00801
5.82E-07	-0.06763	0.14451	0.07114	0.12474	0.17427222	0.00015	0.169798	0.00023
0.05699	-0.04812	0.29943	-0.06814	0.14149	-0.0487349	0.29327	-0.05477	0.23748
0.00013	-0.27388	1.76E-09	0.079951	0.08437	0.41800595	3.56E-21	0.302714	2.36E-11
1.31E-10	-0.05579	0.22885	-0.09114	0.04903	0.09594089	0.03822	0.202926	9.89E-06
0.17454	-0.15627	0.0007	-0.05963	0.19833	0.21249749	3.61E-06	0.309481	8.00E-12
0.57092	-0.23261	3.71E-07	-0.03577	0.44059	0.15402184	0.00084	0.204743	8.20E-06
0.47574	-0.36041	9.02E-16	-0.04338	0.34963	0.31631294	2.60E-12	0.310277	7.03E-12
0.54499	-0.32129	1.13E-12	-0.02984	0.52009	0.20995535	4.74E-06	0.192116	2.92E-05
0.35074	0.33941	4.70E-14	0.372315	8.40E-17	0.10352398	0.02527	-0.05883	0.20445
0.00188	0.252955	2.99E-08	0.093805	0.04275	-0.211276	4.11E-06	-0.35059	5.95E-15
0.21129	-0.28307	4.71E-10	-0.11317	0.01441	0.19450613	2.31E-05	0.260329	1.13E-08
0.47107	-0.15032	0.00112	-0.0871	0.06	0.12729597	0.00587	0.226842	7.28E-07
0.28824	-0.17576	0.00013	0.092724	0.04521	0.63194906	1.97E-53	0.552727	1.03E-38
0.23418	0.320016	1.40E-12	0.153015	0.00091	-0.1111243	0.01629	-0.29303	1.06E-10
0.06728	0.177536	0.00011	0.110227	0.01718	0.04577395	0.32362	-0.12395	0.00732
0.01106	-0.38116	1.35E-17	-0.23942	1.64E-07	-0.034187	0.46111	-0.02166	0.64053
0.00057	0.150086	0.00114	0.083393	0.07179	-0.0283373	0.5413	-0.14107	0.00225
0.99238	-0.41254	1.29E-20	-0.16223	0.00043	0.08019196	0.08343	0.092104	0.04667
2.48E-23	-0.20034	1.29E-05	-0.15478	0.00079	-0.0998864	0.03091	-0.08087	0.08083
0.13856	0.522388	4.67E-34	0.591672	1.93E-45	0.2157527	2.53E-06	0.074868	0.10613
0.74415	-0.21024	4.59E-06	-0.16545	0.00033	-0.0275333	0.55283	0.024008	0.60481
0.38065	-0.37326	6.93E-17	-0.21458	2.88E-06	0.16663646	0.0003	0.296084	6.66E-11
0.60728	-0.42889	2.55E-22	-0.16068	0.00049	0.13575241	0.00329	0.160845	0.00048
0.27316	-0.10793	0.01965	-0.1391	0.00259	0.06059913	0.19113	0.164756	0.00035
0.85951	-0.40765	4.01E-20	-0.19354	2.54E-05	0.03706215	0.42426	0.059242	0.20127
0.59552	0.152845	0.00092	0.226633	7.46E-07	0.04022939	0.38573	-0.18299	6.96E-05
0.56616	-0.39331	9.99E-19	-0.16714	0.00029	-0.0168961	0.71573	-0.08554	0.06475
0.13449	-0.20126	1.17E-05	-0.02291	0.6215	0.15902034	0.00056	0.177708	0.00011
0.26433	-0.31123	6.01E-12	-0.08973	0.05264	0.13149492	0.00442	0.18891	3.98E-05
0.00066	-0.12193	0.00834	0.035736	0.44104	0.22868665	5.88E-07	0.305335	1.56E-11
0.05141	-0.14806	0.00133	0.098568	0.03321	0.41361847	1.00E-20	0.483768	9.11E-29
0.00693	-0.24639	6.91E-08	-0.16432	0.00036	0.1431235	0.00193	0.290448	1.57E-10
0.28408	-0.12752	0.00579	-0.0785	0.09016	0.07577406	0.10195	0.24294	1.06E-07
0.33352	0.349818	6.88E-15	0.449445	1.34E-24	0.38121281	1.33E-17	0.177442	0.00012
0.07767	-0.3792	2.04E-17	-0.3384	5.64E-14	-0.1928882	2.71E-05	-0.23848	1.84E-07
0.20074	0.204954	8.02E-06	0.221363	1.36E-06	0.25977054	1.22E-08	0.027445	0.55411
0.12292	-0.30117	3.01E-11	0.005356	0.9081	0.29559787	7.17E-11	0.153062	0.00091
9.48E-05	-0.16711	0.00029	0.050784	0.27342	0.17792949	0.00011	0.233062	3.52E-07
0.62649	-0.3246	6.41E-13	-0.14553	0.00161	0.16772346	0.00027	0.31349	4.15E-12
1.85E-08	0.285763	3.16E-10	0.160724	0.00049	0.05508181	0.23482	0.037402	0.42002
0.00459	-0.52781	7.44E-35	-0.22797	6.40E-07	0.06752991	0.14509	0.13158	0.0044
0.83601	-0.12892	0.00527	-0.15126	0.00104	0.12945693	0.00508	0.157371	0.00064
0.90487	-0.4554	2.74E-25	-0.19888	1.49E-05	0.30485341	1.68E-11	0.363687	4.74E-16

0.48546	-0.65714	4.62E-59	-0.39456	7.60E-19	0.11720564	0.01125	0.079309	0.0869
0.47993	-0.57874	4.15E-43	-0.23769	2.02E-07	0.17269375	0.00018	0.185399	5.56E-05
0.00949	0.507652	5.86E-32	0.57224	5.66E-42	0.04287578	0.35523	-0.13856	0.00269
0.39858	-0.2659	5.34E-09	0.008098	0.86145	0.22140135	1.35E-06	0.281614	5.82E-10
0.17423	-0.25609	1.99E-08	-0.15062	0.0011	-0.2253946	8.60E-07	-0.28948	1.82E-10
0.59466	-0.25013	4.30E-08	-0.19216	2.91E-05	0.02680121	0.56345	0.096385	0.03733
0.03398	0.213202	3.34E-06	0.236531	2.32E-07	-0.07289	0.11571	-0.28292	4.81E-10
0.25048	-0.42648	4.61E-22	-0.26053	1.10E-08	-0.0434138	0.34922	-0.0823	0.07562
0.24642	-0.42615	5.00E-22	-0.27501	1.50E-09	-0.0745964	0.10741	-0.08681	0.06086
0.04285	-0.25978	1.22E-08	-0.09673	0.03665	0.1055952	0.02248	0.069424	0.13412
0.99317	-0.4467	2.76E-24	-0.21291	3.45E-06	0.03576366	0.44069	0.068023	0.14217
0.68255	0.395888	5.66E-19	0.290416	1.58E-10	0.10280418	0.02631	-0.04811	0.29952
0.79543	-0.33362	1.33E-13	-0.15732	0.00065	0.313802	3.94E-12	0.348897	8.17E-15
0.13608	-0.25265	3.11E-08	-0.09835	0.0336	0.01514882	0.74404	0.051281	0.26874
0.00351	-0.07915	0.08754	-0.05124	0.26909	0.2722894	2.21E-09	0.354609	2.77E-15
0.05575	-0.28834	2.16E-10	-0.13895	0.00262	-0.0401692	0.38644	-0.06408	0.16683
0.01167	-0.16414	0.00037	0.067881	0.14301	0.27706286	1.12E-09	0.348686	8.50E-15
0.51873	-0.22403	1.01E-06	-0.0235	0.61247	0.23515466	2.74E-07	0.307994	1.02E-11
0.62876	-0.3336	1.33E-13	-0.21656	2.32E-06	-0.0301684	0.51547	0.020817	0.65365
0.62125	-0.06188	0.18187	0.029586	0.52361	0.15277919	0.00093	0.203414	9.40E-06
0.09124	-0.29917	4.12E-11	-0.38413	7.21E-18	-0.2841416	4.02E-10	-0.32172	1.05E-12
0.73686	0.081308	0.07921	0.058811	0.20458	0.114087	0.01363	0.119761	0.00959
0.09972	-0.30654	1.29E-11	-0.29769	5.19E-11	0.00577435	0.90096	0.152058	0.00098
0.28463	-0.41166	1.58E-20	-0.23816	1.91E-07	0.07648437	0.09877	0.155923	0.00072
0.00036	0.15992	0.00052	0.040761	0.37947	-0.2748999	1.53E-09	-0.38942	2.33E-18
5.57E-21	-0.14047	0.00235	-0.14614	0.00154	0.05814459	0.20977	0.133291	0.00391
0.36335	0.366065	2.96E-16	0.461961	4.59E-26	0.13959236	0.0025	-0.04447	0.33761
0.47826	0.292617	1.13E-10	-0.09016	0.05152	-0.1920358	2.94E-05	-0.13629	0.00317
0.92101	-0.17918	9.89E-05	0.023491	0.61261	0.06510652	0.16012	0.082501	0.07489
0.28918	-0.38615	4.70E-18	-0.22696	7.18E-07	0.01973295	0.6706	0.159248	0.00055
3.09E-10	-0.18884	4.01E-05	-0.15067	0.00109	0.16509641	0.00034	0.323732	7.44E-13
0.03246	-0.54927	3.68E-38	-0.31089	6.36E-12	0.12639307	0.00624	0.19367	2.51E-05
0.00604	-0.24967	4.56E-08	-0.18071	8.59E-05	-0.027985	0.54634	0.106276	0.02162
0.00074	0.486139	4.51E-29	0.51293	1.07E-32	0.10681104	0.02096	-0.04535	0.32816
0.25551	-0.32838	3.34E-13	-0.16565	0.00032	0.1296092	0.00503	0.169789	0.00023
0.27218	-0.35239	4.22E-15	-0.16984	0.00023	0.06769751	0.14409	0.176007	0.00013
0.95742	0.218741	1.82E-06	0.152702	0.00093	-0.0741395	0.10958	-0.18956	3.74E-05
0.00189	-0.23648	2.34E-07	0.0078	0.86649	0.11803863	0.01068	-0.07679	0.09743
3.20E-37	-0.36178	6.90E-16	-0.15982	0.00053	0.07328406	0.11375	0.167462	0.00028
0.81038	-0.19945	1.41E-05	-0.10322	0.02571	0.06113404	0.18723	0.112547	0.01496
0.0369	-0.3561	2.08E-15	-0.03983	0.39051	0.21350116	3.24E-06	0.149238	0.00122
0.00081	-0.32973	2.64E-13	-0.20776	5.98E-06	0.04338171	0.34957	-0.01703	0.71364
0.22493	-0.23015	4.96E-07	-0.12577	0.0065	0.08442292	0.06834	0.136434	0.00313
0.00058	0.441941	9.49E-24	0.489169	1.82E-29	0.23224332	3.88E-07	0.053654	0.24719
0.13428	-0.16588	0.00032	0.048418	0.29643	0.25631143	1.93E-08	0.247284	6.17E-08

0.0437	-0.28034	7.00E-10	-0.08809	0.05714	0.21112765	4.18E-06	0.253296	2.86E-08
0.00055	-0.07906	0.08789	0.065008	0.16075	0.16007524	0.00052	0.07582	0.10175
0.40966	-0.1512	0.00105	-0.06288	0.17493	0.18551555	5.50E-05	0.004898	0.91592
0.92298	-0.11607	0.01207	0.024716	0.5942	0.09142193	0.04833	0.081631	0.07802
0.32727	-0.28464	3.74E-10	-0.25351	2.78E-08	-0.093784	0.04279	-0.0263	0.57071
1.19E-15	-0.02578	0.57837	-0.04158	0.36994	0.03091798	0.50508	0.059269	0.20107
1.94E-08	-0.37657	3.51E-17	-0.20581	7.34E-06	-0.0020481	0.96479	-0.0066	0.88691
0.03053	-0.38209	1.11E-17	-0.18184	7.75E-05	0.0958446	0.03841	0.207178	6.35E-06
0.00427	-0.25824	1.50E-08	-0.12948	0.00507	0.06824902	0.14085	0.172396	0.00018
0.23132	-0.44826	1.83E-24	-0.14591	0.00157	0.21339583	3.27E-06	0.263067	7.85E-09
0.25416	0.43668	3.64E-23	0.351754	4.77E-15	-0.212271	3.70E-06	-0.29932	4.03E-11
0.0047	0.240382	1.46E-07	0.253987	2.61E-08	-0.0197259	0.67071	-0.19296	2.69E-05
2.45E-17	-0.18165	7.88E-05	-0.06237	0.17847	0.10722907	0.02046	0.105539	0.02255
0.56003	0.101461	0.02835	0.00204	0.96493	-0.0766108	0.09822	-0.21888	1.79E-06
8.10E-05	0.143695	0.00185	0.165327	0.00033	0.07069408	0.12713	-0.16014	0.00051
0.69061	0.155471	0.00075	0.141582	0.00216	-0.2358769	2.51E-07	-0.40716	4.48E-20
0.36908	-0.04666	0.3143	0.075694	0.10232	0.25583515	2.05E-08	0.32684	4.36E-13
0.14749	-0.0546	0.23894	-0.016	0.73016	0.17964861	9.48E-05	0.271087	2.61E-09
0.01701	-0.14874	0.00127	-0.00752	0.87121	0.19177483	3.02E-05	0.287952	2.29E-10
0.15537	-0.45477	3.24E-25	-0.22705	7.11E-07	0.02020625	0.66317	-0.01575	0.7343
0.00315	-0.17958	9.54E-05	-0.05601	0.22699	0.18680441	4.87E-05	0.133298	0.0039
0.00408	-0.17633	0.00013	-0.08866	0.05553	0.01218972	0.79276	0.054535	0.23951
0.05841	0.272997	2.00E-09	0.103874	0.02478	0.09188073	0.04721	0.181407	8.06E-05
0.04419	-0.37142	1.01E-16	-0.23759	2.04E-07	0.08699672	0.06031	0.234231	3.06E-07
0.7792	-0.45602	2.32E-25	-0.35351	3.42E-15	-0.0966831	0.03674	0.00191	0.96717
0.89667	-0.5336	1.01E-35	-0.29183	1.28E-10	0.06046827	0.19209	0.048965	0.29099
0.77105	0.064688	0.16283	0.004333	0.9256	-0.0457852	0.3235	-0.18501	5.76E-05
0.24295	-0.4993	8.17E-31	-0.24322	1.03E-07	0.04976302	0.28319	0.107212	0.02049
0.83537	-0.32531	5.67E-13	-0.15568	0.00074	0.04606888	0.32051	0.079527	0.08603
0.19792	-0.19289	2.71E-05	-0.00708	0.87875	0.082832	0.07373	0.081806	0.07739
0.47424	-0.12817	0.00554	-0.05359	0.24779	0.16058729	0.00049	0.304923	1.66E-11
0.13574	0.311469	5.78E-12	0.272655	2.10E-09	0.27495084	1.52E-09	0.267004	4.59E-09
0.00049	-0.15211	0.00098	-0.04049	0.3827	0.1224719	0.00806	0.131023	0.00457
0.17847	-0.46703	1.12E-26	-0.23586	2.52E-07	-0.0175009	0.70602	0.012972	0.77979
0.50987	-0.25329	2.86E-08	-0.20456	8.35E-06	0.08649445	0.06181	0.201959	1.09E-05
0.31586	-0.37889	2.17E-17	-0.21427	2.98E-06	-0.0024806	0.95736	-0.04408	0.34188
0.50963	-0.21821	1.93E-06	-0.16429	0.00036	0.08851812	0.05594	0.189958	3.60E-05
0.70643	-0.28596	3.07E-10	-0.10102	0.02905	0.09851804	0.0333	0.13098	0.00458
0.00064	-0.23301	3.54E-07	-0.0279	0.54751	0.10501583	0.02323	0.114394	0.01338
2.60E-10	-0.15503	0.00078	-0.09768	0.03483	0.33524603	9.94E-14	0.377834	2.70E-17
0.00851	-0.057	0.21889	-0.10209	0.02739	0.11323043	0.01436	0.294969	7.90E-11
0.00302	0.024648	0.59521	0.082223	0.07588	0.26440137	6.55E-09	0.298071	4.89E-11
0.31132	-0.24898	4.98E-08	-0.14996	0.00115	-0.0754533	0.10342	-0.0461	0.32022
0.00162	-0.30229	2.53E-11	-0.12887	0.00529	0.18703617	4.76E-05	0.237983	1.95E-07
0.85321	0.110694	0.01671	0.241299	1.30E-07	-0.0433277	0.35018	-0.04046	0.38296

0.94937	-0.30154	2.84E-11	-0.29906	4.19E-11	-0.028733	0.53566	0.09193	0.04709
0.2298	0.367644	2.16E-16	0.25507	2.27E-08	0.0445134	0.33714	-0.03223	0.48713
0.46394	-0.52131	6.71E-34	-0.25092	3.88E-08	0.07007017	0.13053	0.127375	0.00584
0.90654	-0.44842	1.76E-24	-0.17525	0.00014	0.27760085	1.04E-09	0.326319	4.77E-13
0.14792	-0.21916	1.74E-06	-0.17862	0.0001	0.02433136	0.59995	-0.00461	0.92081
0.49304	-0.23435	3.02E-07	0.084905	0.06677	0.51744139	2.43E-33	0.413303	1.08E-20
0.27585	-0.21095	4.26E-06	-0.21007	4.68E-06	0.09187651	0.04722	0.259075	1.34E-08
1.08E-05	-0.37132	1.03E-16	-0.09222	0.04639	0.16216545	0.00043	0.205939	7.24E-06
0.00125	0.071193	0.12446	0.081146	0.07981	0.15452305	0.00081	0.220156	1.56E-06
0.02987	-0.46282	3.62E-26	-0.19322	2.62E-05	0.17286746	0.00017	0.212305	3.68E-06
0.73151	-0.29805	4.91E-11	-0.17702	0.00012	0.03014932	0.51573	0.099693	0.03124
0.01262	-0.134	0.00372	-0.19238	2.85E-05	0.07676353	0.09755	0.247071	6.34E-08
0.96467	-0.2103	4.57E-06	-0.10474	0.0236	0.02136083	0.64521	0.046999	0.31082
0.21375	-0.12344	0.00757	-0.06628	0.1527	0.12337527	0.0076	0.224915	9.08E-07
0.00033	0.306052	1.39E-11	0.210612	4.42E-06	0.06798649	0.14239	-0.06165	0.1835
0.0035	-0.42047	1.98E-21	-0.32662	4.53E-13	0.08551104	0.06484	0.252003	3.38E-08
0.07724	-0.39815	3.43E-19	-0.28378	4.24E-10	0.07596998	0.10107	0.261896	9.19E-09
0.34547	-0.35334	3.53E-15	-0.17746	0.00012	0.12597008	0.00641	0.263747	7.16E-09
0.81085	-0.363	5.43E-16	-0.12978	0.00497	0.21979915	1.62E-06	0.115772	0.01229
0.00135	0.394744	7.29E-19	0.037134	0.42336	-0.2842914	3.93E-10	-0.16577	0.00032
0.14207	-0.19185	3.00E-05	-0.12958	0.00504	0.05655097	0.22255	0.114409	0.01336
0.00738	-0.02653	0.56736	-0.00248	0.95742	0.1054818	0.02262	0.167807	0.00027
0.02369	-0.29538	7.42E-11	-0.18878	4.03E-05	0.21315791	3.36E-06	0.428091	3.10E-22
0.43588	-0.08752	0.05879	-0.08447	0.06817	0.08507316	0.06623	0.072654	0.1169
0.27213	-0.29019	1.63E-10	-0.29005	1.67E-10	-0.031969	0.49071	0.123042	0.00777
0.2416	-0.24621	7.07E-08	-0.13206	0.00425	0.05988445	0.19642	0.113221	0.01436
0.15845	-0.2307	4.65E-07	-0.24291	1.07E-07	0.07322871	0.11402	0.21948	1.68E-06
0.76846	-0.01429	0.75804	0.064721	0.16261	0.25721686	1.71E-08	0.354127	3.04E-15
0.95377	-0.15833	0.00059	-0.11718	0.01127	0.04298268	0.35403	0.139396	0.00254
2.57E-06	-0.31072	6.53E-12	-0.14106	0.00225	0.16847808	0.00025	0.263366	7.54E-09
0.61716	-0.49439	3.72E-30	-0.43165	1.29E-22	-0.1145379	0.01326	0.026451	0.56856
0.27668	-0.06791	0.14281	-0.14776	0.00136	0.06200157	0.18104	0.184468	6.07E-05
0.10127	-0.31782	2.02E-12	-0.20966	4.89E-06	0.05503426	0.23522	-0.04356	0.34757
0.91089	-0.20968	4.88E-06	-0.13627	0.00317	-0.0618733	0.18195	0.009492	0.8379
0.06489	-0.1367	0.00307	-0.19102	3.25E-05	-0.0321733	0.48794	0.088003	0.05739
0.48782	0.18733	4.63E-05	0.30596	1.41E-11	0.24305162	1.05E-07	0.024354	0.59961
0.1745	-0.23518	2.73E-07	-0.16814	0.00026	0.05208858	0.26127	0.114271	0.01348
0.13103	-0.10458	0.02381	-0.06719	0.14712	0.09520238	0.03973	0.195185	2.16E-05
0.86429	-0.20977	4.83E-06	-0.18107	8.31E-05	-0.0221009	0.6338	0.104608	0.02378
0.14387	-0.28766	2.39E-10	-0.06455	0.16376	0.11128316	0.01613	0.082554	0.07471
0.28137	-0.2446	8.64E-08	-0.12107	0.00882	0.10981356	0.0176	0.111828	0.01562
0.89706	-0.36728	2.32E-16	-0.06322	0.17258	0.18664006	4.94E-05	0.031777	0.49332
0.58424	0.066298	0.15259	-0.20043	1.28E-05	-0.0293258	0.52727	0.05483	0.23697
0.66286	0.005461	0.9063	-0.23086	4.56E-07	-0.0979083	0.03441	0.026514	0.56764
0.92887	0.030997	0.504	-0.20289	9.93E-06	-0.0880243	0.05733	0.096963	0.0362

0.52004	-0.01068	0.81799	-0.22514	8.85E-07	-0.0711431	0.12472	0.073063	0.11484
0.71743	0.065126	0.15999	-0.07191	0.1207	-0.0552529	0.23336	0.066904	0.14887
0.53158	0.011845	0.7985	-0.14233	0.00205	-0.0513717	0.2679	0.039703	0.39199
4.86E-05	0.040367	0.38411	-0.18866	4.08E-05	-0.0768946	0.09697	0.014909	0.74795
0.9304	0.03638	0.43285	-0.18825	4.24E-05	-0.094292	0.04168	0.020638	0.65643
0.26525	0.0228	0.62311	-0.17225	0.00018	-0.0859969	0.06333	0.073677	0.11182
0.46811	0.131559	0.0044	0.008076	0.86182	0.03623776	0.43465	0.087708	0.05823
0.73602	-0.0986	0.03316	-0.07149	0.12287	0.02571044	0.57944	0.061217	0.18663
0.58298	0.016561	0.72113	-0.18228	7.44E-05	-0.1050658	0.02317	0.032157	0.48816
0.61144	0.094255	0.04176	-0.12844	0.00544	-0.1014306	0.0284	-0.03152	0.4968
0.59657	0.068592	0.13886	-0.07147	0.12299	-0.0917178	0.0476	-0.0547	0.23808
0.6195	0.035365	0.4458	-0.26431	6.63E-09	-0.0938977	0.04254	0.072056	0.11995
0.39071	0.059147	0.202	-0.15121	0.00105	-0.0979499	0.03433	0.016308	0.72521
0.62071	0.038105	0.41133	-0.19213	2.92E-05	-0.0780779	0.09193	0.100931	0.02919
0.84343	-0.0656	0.15697	-0.06536	0.15851	0.06840859	0.13992	0.140623	0.00232
0.35896	0.042483	0.35966	0.020292	0.66184	0.01469407	0.75147	0.002588	0.95551
0.84341	0.006031	0.89657	-0.18724	4.67E-05	-0.1188714	0.01014	0.016448	0.72296
0.36133	-0.13542	0.00337	-0.22957	5.30E-07	-0.0766036	0.09825	0.048248	0.29813
0.33864	-1.56E-05	0.99973	-0.22521	8.78E-07	-0.0956176	0.03887	0.009068	0.84506
0.40582	-0.04741	0.30665	-0.17027	0.00022	-0.166419	0.0003	-0.11428	0.01347
0.83831	0.041021	0.37644	-0.0875	0.05884	0.00809074	0.86157	0.132764	0.00405
0.10142	-0.00385	0.93384	-0.14201	0.0021	-0.0769138	0.09689	0.031385	0.49867
0.17275	-0.00539	0.90756	-0.20052	1.26E-05	-0.1149616	0.01292	0.007426	0.87284
0.89361	0.089824	0.0524	-0.07547	0.10335	0.00392659	0.93256	0.085053	0.0663
0.10607	0.012325	0.79051	-0.18184	7.75E-05	-0.0479356	0.30127	0.079632	0.08562
0.42008	0.064347	0.16506	-0.07403	0.11012	-0.0554557	0.23165	0.024253	0.60113
0.31116	-0.06134	0.18574	-0.24335	1.01E-07	-0.1134068	0.0142	0.068629	0.13864
0.39176	-0.00897	0.84662	-0.16308	0.0004	-0.1323967	0.00416	0.00345	0.94073
0.367	0.039363	0.39605	-0.11581	0.01227	-0.0563106	0.22452	0.074693	0.10695
0.44312	-0.00183	0.96848	-0.22802	6.35E-07	-0.1346711	0.00355	0.006362	0.89093
0.74072	-0.18312	6.88E-05	-0.17412	0.00016	-0.0452411	0.32929	0.028824	0.53437
0.04366	-0.02361	0.61077	-0.05734	0.21616	0.08699348	0.06032	0.250167	4.28E-08
0.13945	-0.02311	0.61832	-0.22062	1.48E-06	-0.1223885	0.0081	-0.03091	0.50516
0.8191	-0.09829	0.0337	-0.19241	2.84E-05	-0.0179982	0.69807	0.11395	0.01374
0.90812	0.002015	0.96537	-0.15731	0.00065	-0.0792448	0.08716	0.005358	0.90807
0.69038	0.105603	0.02247	-0.0091	0.84455	0.01175281	0.80003	0.107472	0.02018
0.66236	0.100724	0.02953	-0.08216	0.07612	-0.0927351	0.04518	0.030277	0.51396
0.76655	-0.05064	0.2748	-0.27109	2.61E-09	-0.0229235	0.62122	0.106174	0.02175
0.00859	-0.11781	0.01084	-0.22255	1.19E-06	-0.104716	0.02363	-0.02542	0.5838
0.50673	0.008779	0.84993	-0.1726	0.00018	-0.1127812	0.01475	0.026813	0.56327
0.30571	0.056908	0.21964	-0.09983	0.03101	-0.030117	0.51619	0.102722	0.02644
0.73854	-0.02608	0.57399	-0.11782	0.01083	-0.130969	0.00458	-0.10137	0.02849
0.65778	0.041169	0.37473	-0.17582	0.00013	-0.162256	0.00043	-0.02912	0.53022
0.40615	0.02637	0.56974	-0.16952	0.00023	-0.0927241	0.04521	0.069481	0.1338
0.86826	0.003636	0.93754	-0.17618	0.00013	-0.0750967	0.10506	0.005072	0.91295



0.25807	0.024554	0.59661	-0.17095	0.00021	-0.0680502	0.14201	0.117016	0.01138
0.06778	0.008599	0.85296	-0.13156	0.0044	-0.079093	0.08776	0.051618	0.26561
0.63325	-0.0121	0.79422	-0.20813	5.75E-06	-0.1208216	0.00896	0.045471	0.32684
0.62788	-0.0728	0.11619	-0.20526	7.77E-06	-0.0649174	0.16133	0.094918	0.04033
0.02138	-0.05978	0.19723	-0.15336	0.00088	-0.0500345	0.28057	0.091037	0.04928
0.1074	-0.09451	0.0412	-0.24774	5.82E-08	-0.1188428	0.01016	0.049433	0.2864
0.88841	-0.04565	0.3249	-0.05782	0.21231	0.14993535	0.00115	0.254333	2.50E-08
0.02782	-0.16042	0.0005	-0.35651	1.92E-15	-0.2321966	3.90E-07	-0.12797	0.00562
0.9293	0.045007	0.33181	-0.15558	0.00074	-0.153514	0.00087	-0.10129	0.02862
0.83667	0.022103	0.63377	-0.1551	0.00077	-0.0742524	0.10904	0.045594	0.32552
0.98893	-0.05958	0.19872	-0.26934	3.33E-09	-0.2224926	1.20E-06	-0.06615	0.15348
0.55452	-0.01308	0.77799	-0.23671	2.28E-07	-0.1067325	0.02106	-0.01577	0.73391
0.71302	0.089657	0.05284	-0.15281	0.00092	-0.1271662	0.00593	-0.00613	0.89495
0.88301	-0.00848	0.85502	-0.15253	0.00094	-0.0772528	0.09542	0.044025	0.34247
0.27096	-0.06599	0.15449	-0.23678	2.25E-07	-0.1250184	0.00683	-0.021	0.65077
0.00734	-0.1946	2.29E-05	-0.24292	1.06E-07	0.04311273	0.35257	0.15896	0.00056
0.65139	0.037772	0.41544	-0.08762	0.05849	-0.0423216	0.36149	0.034436	0.45784
0.35864	-0.02301	0.61995	-0.25285	3.03E-08	-0.1103606	0.01704	0.098721	0.03294
0.67635	0.02069	0.65562	-0.1609	0.00048	-0.0686444	0.13856	0.051658	0.26524
0.21488	-0.00977	0.83317	-0.21047	4.49E-06	-0.0911568	0.04898	0.043102	0.35269
0.3176	0.037164	0.42299	-0.07948	0.08623	-0.0370767	0.42408	0.031789	0.49316
0.78682	0.040004	0.3884	-0.17442	0.00015	-0.0540402	0.2438	0.096537	0.03703
0.16984	0.002135	0.96329	-0.16253	0.00042	-0.0957432	0.03862	0.012623	0.78557
0.15483	-0.01156	0.80322	-0.15668	0.00068	-0.0938674	0.04261	-0.01397	0.76332
0.27886	-0.01833	0.6928	-0.17458	0.00015	-0.0833012	0.0721	0.039144	0.39868
0.31446	0.001467	0.97478	-0.16804	0.00026	-0.0943747	0.0415	0.031851	0.49231
0.94391	-0.02537	0.58445	-0.15665	0.00068	-0.0720193	0.12014	0.031901	0.49164
0.34874	0.017322	0.70888	-0.16389	0.00038	-0.1051494	0.02306	-0.00714	0.87772
0.38567	0.004092	0.92972	-0.18445	6.08E-05	-0.0549153	0.23624	0.034298	0.45966
0.23992	0.009153	0.84361	-0.17318	0.00017	-0.0967802	0.03655	0.043773	0.34525
0.50644	0.028144	0.54406	-0.17005	0.00022	-0.0863711	0.06218	0.061914	0.18166
0.75378	-0.02744	0.55421	-0.2409	1.37E-07	-0.113884	0.0138	0.04543	0.32727
0.18049	0.010002	0.82931	-0.15489	0.00078	-0.0719912	0.12028	0.087928	0.0576
0.16351	0.002757	0.95262	-0.21883	1.80E-06	-0.0903076	0.05114	0.095896	0.03831
0.34962	-0.01871	0.68676	-0.15307	0.0009	0.05243564	0.2581	0.186074	5.22E-05
0.00066	0.096006	0.03809	-0.07639	0.09921	-0.0502454	0.27855	-0.00193	0.96674
0.59205	0.018549	0.6893	-0.17275	0.00018	-0.0460803	0.32039	0.073125	0.11454
0.08978	0.036544	0.43077	-0.11642	0.01181	-0.0508898	0.27242	0.027401	0.55475
0.72236	0.075512	0.10315	-0.10977	0.01764	-0.0900578	0.05179	-0.01218	0.79292
0.31068	0.039476	0.3947	-0.11902	0.01005	-0.0364521	0.43193	0.050859	0.27271
0.47197	0.034212	0.46078	-0.13333	0.0039	-0.0559732	0.22732	0.049373	0.28699
0.64053	0.000641	0.98897	-0.00512	0.9121	0.08788617	0.05772	0.141212	0.00222
0.62663	0.011804	0.79918	-0.15254	0.00094	-0.0582769	0.20873	0.041582	0.36995
0.85956	0.059229	0.20138	-0.2267	7.41E-07	-0.1105231	0.01688	0.024115	0.6032
0.43248	-0.06541	0.15814	-0.16369	0.00038	-0.0330641	0.47597	0.05216	0.26062

0.81785	0.051137	0.2701	-0.04911	0.28961	-0.037905	0.4138	-0.02472	0.5942
0.29691	-0.01082	0.81562	-0.1986	1.54E-05	-0.0892666	0.05389	0.018998	0.68218
0.47356	0.03315	0.47482	-0.17574	0.00013	-0.0955151	0.03909	0.068045	0.14204
0.32085	0.025782	0.57837	-0.19713	1.78E-05	-0.0951483	0.03985	0.024477	0.59777
0.01224	0.001072	0.98158	-0.1797	9.43E-05	-0.0701724	0.12996	0.068983	0.13662
0.98628	0.043226	0.35131	-0.11799	0.01072	-0.0659338	0.15486	0.043921	0.34361
0.91425	-0.1264	0.00623	-0.10591	0.02207	-0.0168752	0.71606	0.075514	0.10314
0.73404	0.057162	0.21758	-0.19332	2.60E-05	-0.111581	0.01585	-0.00528	0.90947
0.50709	0.024447	0.59821	-0.14037	0.00236	-0.0239944	0.60501	0.068688	0.1383
0.31527	0.035411	0.44521	-0.16816	0.00026	-0.0670029	0.14826	0.06453	0.16386
0.26477	-0.0488	0.29262	-0.13241	0.00415	-0.0108654	0.81484	0.089402	0.05352
0.46825	-0.0084	0.85628	-0.24019	1.49E-07	-0.1280129	0.0056	0.04445	0.33783
0.47858	0.036354	0.43318	-0.19014	3.54E-05	-0.0935285	0.04336	0.052877	0.25411
0.23358	0.002382	0.95905	-0.21143	4.05E-06	-0.1056942	0.02235	0.036209	0.43501
0.2854	0.004281	0.92649	-0.14518	0.00166	-0.040034	0.38804	0.051629	0.26551
0.9259	0.088933	0.05479	-0.14937	0.00121	-0.0848163	0.06706	0.059813	0.19696
0.44748	-0.01438	0.75656	-0.18859	4.11E-05	-0.117979	0.01072	0.012685	0.78455
0.00043	-0.15121	0.00105	-0.31307	4.45E-12	-0.1204518	0.00917	0.04694	0.31144
0.29234	0.020746	0.65475	-0.19604	1.98E-05	-0.0837338	0.07063	0.109984	0.01742
0.48238	0.099498	0.03158	-0.20346	9.36E-06	-0.1316181	0.00438	-0.04453	0.3369
0.42357	-0.03783	0.41468	-0.2314	4.28E-07	-0.0924913	0.04575	0.061521	0.18445
0.25036	-0.01946	0.67491	-0.24302	1.05E-07	-0.0907168	0.05009	0.078089	0.09188
0.72875	0.027445	0.5541	-0.23714	2.16E-07	-0.1020492	0.02744	0.071892	0.1208
0.95055	0.057717	0.21314	-0.07043	0.12857	0.04749742	0.30571	0.133106	0.00396
0.96324	0.003727	0.93599	-0.31368	4.02E-12	-0.160889	0.00048	-0.01357	0.76988
0.86728	0.058742	0.20512	-0.09111	0.04911	-0.025358	0.58465	0.074438	0.10816
0.86231	0.089006	0.05459	-0.06794	0.14263	-0.0455149	0.32637	0.054952	0.23592
0.38781	0.041547	0.37035	-0.14026	0.00238	-0.0562939	0.22466	0.089328	0.05372
0.42632	0.055671	0.22984	-0.0943	0.04166	-0.0674952	0.1453	0.014863	0.7487
0.15103	-0.02322	0.61673	-0.24027	1.48E-07	-0.1476937	0.00137	-0.00284	0.95114
0.67148	0.072652	0.11691	-0.16934	0.00024	-0.0756273	0.10262	0.078115	0.09177
0.17519	-0.0013	0.97769	-0.20172	1.12E-05	-0.1000789	0.03059	0.030755	0.50733
0.85998	0.003971	0.9318	-0.17942	9.67E-05	-0.0743765	0.10845	0.033626	0.46849
0.54376	0.026976	0.56091	-0.08154	0.07836	-0.0105334	0.8204	0.031551	0.49641
0.9183	0.076787	0.09744	-0.091	0.04939	-0.0321681	0.48801	0.070751	0.12682
0.08911	-0.0295	0.52489	-0.15618	0.00071	-0.1211267	0.00879	-0.04497	0.33221
3.11E-21	-0.11142	0.016	-0.27504	1.50E-09	-0.1371508	0.00298	0.006814	0.88324
0.26392	0.132572	0.00411	-0.02361	0.61084	0.09339297	0.04367	0.242734	1.09E-07
0.55175	0.069445	0.134	-0.09843	0.03346	-0.0381034	0.41135	0.095231	0.03967
0.31337	0.012742	0.78361	-0.06942	0.13415	-0.0267811	0.56374	-0.01748	0.70631
0.64536	0.043256	0.35098	-0.0644	0.16469	-0.0219406	0.63626	0.00114	0.98039
0.81103	-0.00139	0.97605	-0.14441	0.00176	-0.0457437	0.32394	0.054963	0.23583
0.90226	-0.00371	0.93629	-0.08367	0.07086	-0.0304542	0.5115	-0.02151	0.64289
0.05363	-0.08204	0.07652	-0.23923	1.68E-07	-0.1119271	0.01553	-0.01856	0.6891
0.87027	-0.02427	0.60089	-0.24003	1.52E-07	-0.174777	0.00015	-0.0808	0.08113

0.57242	-0.05103	0.27106	-0.21531	2.66E-06	-0.1123278	0.01516	-0.05895	0.20352
0.7256	-0.07073	0.12691	-0.18916	3.89E-05	-0.0828592	0.07363	-0.02016	0.66383
0.0825	-0.02273	0.62412	-0.20958	4.93E-06	-0.1242292	0.00719	-0.05994	0.196
0.00322	-0.0594	0.20005	-0.13977	0.00247	-0.0425885	0.35846	0.003271	0.94379
0.55561	-0.15246	0.00095	-0.22239	1.21E-06	-0.163225	0.0004	-0.11452	0.01328
0.90565	0.112034	0.01543	0.057982	0.21105	-0.0952811	0.03957	-0.11751	0.01104
0.62263	0.000525	0.99098	-0.19753	1.71E-05	-0.111972	0.01548	-0.08207	0.07642
0.03693	-0.20817	5.72E-06	-0.17199	0.00019	0.06266468	0.17641	0.097816	0.03458
0.74826	-0.03836	0.40816	-0.28845	2.12E-10	-0.119505	0.00974	0.006702	0.88515
0.56563	-0.06272	0.17602	-0.26018	1.16E-08	-0.105869	0.02213	-0.01453	0.75407
0.90968	0.045006	0.33181	-0.1487	0.00127	-0.1387181	0.00266	-0.05939	0.20014
0.51831	-0.01761	0.7043	-0.21849	1.87E-06	-0.0899611	0.05204	-0.04614	0.31979
0.97145	0.07538	0.10375	-0.19767	1.69E-05	-0.0723073	0.11866	0.091639	0.04779
0.01468	-0.02752	0.55296	-0.23441	3.00E-07	-0.1679049	0.00027	-0.05424	0.24204
0.39965	0.023027	0.61965	-0.20034	1.29E-05	-0.0852517	0.06566	0.014605	0.75292
0.5193	0.011148	0.81013	-0.22867	5.90E-07	-0.1086308	0.01886	-0.0159	0.73186
0.48369	-0.01678	0.71752	-0.19122	3.19E-05	-0.0819823	0.07675	-0.00629	0.8922
0.44271	0.035631	0.44239	-0.12059	0.00909	-0.0635368	0.17045	-0.07654	0.09851
0.69578	-0.02568	0.57985	-0.20665	6.71E-06	-0.104279	0.02422	0.016614	0.72027
0.49406	0.029282	0.5279	-0.09151	0.0481	-0.1210667	0.00882	-0.07905	0.08796
0.38514	0.108845	0.01863	-0.06631	0.15253	-0.0150727	0.74528	0.072587	0.11723
0.13864	-0.00756	0.87051	-0.12606	0.00638	-0.0269322	0.56154	0.075644	0.10254
0.09004	0.064263	0.16561	0.06322	0.1726	0.11891791	0.01011	0.135275	0.0034
0.29174	-0.00984	0.83205	-0.19521	2.16E-05	-0.0924486	0.04585	0.01421	0.7594
1.58E-05	-0.03675	0.42823	-0.19156	3.08E-05	-0.0839455	0.06992	-0.01683	0.71677
0.55428	-0.04206	0.36442	-0.21035	4.54E-06	-0.0918164	0.04736	0.016461	0.72274
0.1134	-0.07291	0.11562	-0.25311	2.93E-08	-0.1160131	0.01211	-0.08042	0.08254
0.0881	0.004396	0.92451	-0.14831	0.00131	-0.0592844	0.20095	0.002479	0.9574
0.37102	0.027422	0.55444	-0.03108	0.50289	-0.1138832	0.0138	-0.10329	0.02561
0.57909	-0.1581	0.00061	-0.56176	3.39E-40	-0.4225133	1.21E-21	-0.30319	2.19E-11
0.10142	-0.01988	0.66827	-0.21411	3.03E-06	-0.176634	0.00012	-0.15476	0.00079
0.95403	-0.05016	0.27934	-0.23373	3.25E-07	-0.1049619	0.0233	-0.07571	0.10226
0.38844	-0.08702	0.06025	-0.51306	1.02E-32	-0.3215084	1.09E-12	-0.15616	0.00071
0.70305	0.022439	0.62862	-0.17746	0.00012	-0.1194992	0.00975	-0.04303	0.35347
0.32272	0.093858	0.04263	-0.13367	0.00381	-0.0894544	0.05338	0.009532	0.83723
0.07674	-0.03402	0.46327	-0.1579	0.00062	-0.0524961	0.25755	0.008102	0.86137
0.06323	0.032634	0.48172	-0.14126	0.00221	-0.0268695	0.56245	0.035926	0.43862
0.38266	-0.02789	0.54768	-0.19169	3.05E-05	-0.0935783	0.04325	-0.01935	0.67656
0.0949	-0.01883	0.68477	-0.16413	0.00037	-0.0799692	0.0843	0.007692	0.86834
0.25237	0.008986	0.84644	-0.17775	0.00011	-0.1169111	0.01146	-0.04656	0.3154
0.56227	0.050144	0.27952	-0.10408	0.0245	-0.0885435	0.05587	-0.03853	0.40608
0.35225	0.007464	0.87219	-0.14147	0.00218	-0.0628408	0.17519	0.024035	0.6044
0.85487	0.00326	0.94399	-0.10943	0.01801	-0.1471014	0.00143	-0.09149	0.04816
0.60908	-0.10515	0.02305	-0.23253	3.75E-07	-0.0559097	0.22785	0.005575	0.90437
0.47901	0.043923	0.34359	-0.10242	0.02689	-0.0749148	0.10591	-0.07676	0.09756

0.00534	0.096101	0.03789	0.001813	0.96882	0.00826737	0.85858	0.005617	0.90365
0.98914	-0.08039	0.08267	-0.23222	3.89E-07	-0.1243914	0.00712	-0.02382	0.60759
0.43658	-0.0038	0.93476	-0.10504	0.02319	-0.1286982	0.00535	-0.15332	0.00089
0.07488	-0.06879	0.13769	-0.22768	6.61E-07	-0.1852009	5.66E-05	-0.16264	0.00042
0.01827	0.034957	0.45107	-0.08351	0.07138	0.00774552	0.86742	0.014433	0.75573
0.74554	0.098015	0.03421	-0.01915	0.6798	0.00335548	0.94235	0.045757	0.3238
0.56828	-0.1792	9.87E-05	-0.24661	6.72E-08	-0.090942	0.04952	-0.00132	0.97729
0.34281	-0.01178	0.79956	-0.13641	0.00314	-0.0856835	0.0643	-0.03968	0.3922
0.84218	-0.02756	0.5525	-0.16295	0.00041	-0.0998831	0.03092	-0.08927	0.05389
0.95508	-0.10427	0.02423	-0.18045	8.81E-05	-0.0211749	0.64809	0.012598	0.78598
0.78056	0.141676	0.00215	-0.06872	0.13814	-0.0799265	0.08446	-0.01688	0.71596
0.70249	-0.04332	0.35026	-0.24275	1.09E-07	-0.1508442	0.00108	-0.11021	0.0172
0.99719	-0.03412	0.46203	-0.17065	0.00021	-0.0388004	0.40284	0.025367	0.58451
6.49E-17	-0.12736	0.00585	-0.29688	5.88E-11	-0.1823926	7.36E-05	-0.14708	0.00144
0.23414	0.085542	0.06475	0.002778	0.95226	-0.0127327	0.78375	-0.00784	0.86576
0.54066	0.005721	0.90187	-0.02713	0.55862	0.00442877	0.92396	0.017179	0.71118
0.57944	-0.03387	0.46533	-0.15636	0.0007	-0.0874988	0.05884	-0.04448	0.33754
0.25436	-0.02001	0.66627	-0.14942	0.0012	-0.0335135	0.46999	0.042608	0.35824
0.00043	0.119267	0.00989	-0.14057	0.00233	-0.0202531	0.66244	0.10755	0.02009
0.72609	-0.02876	0.53531	-0.22112	1.40E-06	-0.1124596	0.01504	-0.00721	0.87647
0.45902	-0.08371	0.0707	-0.30623	1.35E-11	-0.1772181	0.00012	-0.09302	0.04452
0.04201	0.065741	0.15607	-0.04127	0.37352	0.00550815	0.9055	0.055863	0.22823
0.04926	-0.15155	0.00102	-0.23144	4.26E-07	-0.0399025	0.38961	0.047984	0.30078
0.7738	0.04378	0.34516	-0.1887	4.06E-05	-0.0983525	0.0336	-0.02532	0.58521
0.05764	-0.11017	0.01724	-0.29871	4.43E-11	-0.2509033	3.89E-08	-0.20026	1.30E-05
0.44512	-0.03104	0.50341	-0.21752	2.09E-06	-0.0945444	0.04113	-0.05279	0.25486
0.04916	0.034561	0.45622	-0.03921	0.39794	-0.0107545	0.8167	-0.00735	0.87413
0.10216	-0.01578	0.73379	-0.13089	0.00461	-0.0532122	0.25111	0.012128	0.79379
0.63875	0.019379	0.67617	-0.14359	0.00187	-0.0811648	0.07974	-0.05935	0.20044
0.15703	-0.03499	0.45065	-0.21416	3.01E-06	-0.0734728	0.11282	0.010509	0.82081
0.25829	0.007603	0.86983	-0.09934	0.03186	-0.0427996	0.35608	0.00644	0.88961
0.4826	-0.00212	0.96354	-0.17914	9.93E-05	-0.04209	0.36412	0.026396	0.56936
0.27546	-0.01128	0.80789	-0.1032	0.02573	-0.0649476	0.16114	-0.03756	0.41812
0.26537	-0.05925	0.20118	-0.17718	0.00012	-0.0680597	0.14196	0.046115	0.32002
0.3621	-0.04063	0.38098	-0.18789	4.39E-05	-0.0843815	0.06848	0.004827	0.91714
0.35721	-0.03175	0.49373	-0.16936	0.00024	-0.1013281	0.02856	-0.04619	0.31918
0.27515	-0.0257	0.57961	-0.1687	0.00025	-0.1069134	0.02084	0.002142	0.96317
0.25179	-0.02158	0.64175	-0.15441	0.00081	-0.099269	0.03197	-0.03467	0.45474
0.3513	-0.05028	0.27819	-0.19719	1.77E-05	-0.079669	0.08547	-0.05739	0.21575
0.23956	-0.00535	0.90824	-0.18349	6.65E-05	-0.0974119	0.03534	-0.00087	0.98503
0.38864	0.001821	0.96869	-0.08803	0.0573	-0.030045	0.51719	-0.01144	0.80526
0.2238	-0.01274	0.78355	-0.20376	9.07E-06	-0.1083864	0.01914	-0.02925	0.52834
0.41618	-0.01886	0.68443	-0.21614	2.43E-06	-0.1298054	0.00496	-0.01876	0.68599
0.23606	-0.02983	0.5202	-0.25161	3.55E-08	-0.1093627	0.01807	-0.01396	0.76355
0.3056	-0.01778	0.70149	-0.22607	7.96E-07	-0.1112038	0.01621	-0.01271	0.78414

0.44167	-0.01408	0.76154	-0.13001	0.00489	-0.0931054	0.04433	-0.0876	0.05853
0.43748	-0.02832	0.54153	-0.16878	0.00025	-0.0458417	0.3229	-0.01702	0.71371
0.15958	-0.00211	0.9638	-0.15704	0.00066	-0.0932563	0.04398	0.003595	0.93824
0.20343	-0.00112	0.98069	-0.20542	7.64E-06	-0.0686844	0.13833	0.053235	0.25091
0.18693	-0.00686	0.88253	-0.16064	0.00049	-0.0895198	0.05321	-0.00277	0.95237
0.21417	-0.0449	0.33295	-0.17226	0.00018	-0.0933549	0.04376	-0.02442	0.59856
0.99541	0.066057	0.15409	0.033931	0.46448	0.02028347	0.66197	0.018176	0.69524
0.95186	0.058312	0.20846	0.022636	0.62561	-0.0278364	0.54847	-0.00419	0.92809
0.5633	-0.03311	0.47536	-0.09697	0.03618	-0.0481132	0.29948	0.00501	0.91402
2.79E-14	0.04395	0.34329	-0.11809	0.01065	-0.0764251	0.09904	-0.01076	0.81668
0.12893	-0.06701	0.14825	-0.16376	0.00038	-0.0322328	0.48714	0.027855	0.54821
0.35559	0.124515	0.00706	-0.13696	0.00302	-0.1910889	3.23E-05	-0.19734	1.74E-05
0.04225	-0.25787	1.57E-08	-0.25335	2.84E-08	-0.051347	0.26813	0.00994	0.83037
0.22526	-0.0463	0.31809	-0.20349	9.33E-06	-0.1033357	0.02554	-0.03308	0.47581
0.65295	0.02157	0.64197	-0.1722	0.00018	-0.0603756	0.19277	-0.06567	0.15653
0.40366	-0.14589	0.00157	-0.22399	1.01E-06	-0.0518454	0.26351	0.005091	0.91262
0.6489	-0.08733	0.05931	-0.06257	0.17707	-0.0053556	0.90811	0.016117	0.72831
0.24316	-0.01236	0.78991	-0.18072	8.59E-05	-0.0969414	0.03624	-0.01513	0.7444
4.15E-05	-0.02953	0.52438	-0.14842	0.0013	-0.006196	0.89377	0.071143	0.12472
0.21578	-0.01392	0.76415	-0.03447	0.45734	-0.0053283	0.90857	0.016744	0.71818
0.82863	0.142111	0.00208	-0.00849	0.85489	0.01091379	0.81403	0.001254	0.97844
5.47E-06	-0.0164	0.72367	-0.03234	0.48566	0.03650044	0.43132	0.047903	0.3016
0.22608	-0.05024	0.2786	-0.23469	2.90E-07	-0.1363921	0.00314	-0.11662	0.01166
0.07774	0.064371	0.1649	-0.05646	0.22327	0.006824	0.88307	0.030951	0.50463
0.51798	0.030576	0.50981	-0.14656	0.00149	-0.0664254	0.1518	0.044681	0.33532
5.34E-06	-0.25294	3.00E-08	-0.40336	1.06E-19	-0.2744029	1.64E-09	-0.2403	1.47E-07
0.08387	-0.02522	0.58676	-0.12442	0.0071	-0.0427409	0.35675	0.020706	0.65538
0.10463	-0.04471	0.33496	-0.22693	7.21E-07	-0.1255054	0.00661	-0.03418	0.4612
0.98969	-0.0924	0.04596	-0.05847	0.20723	-0.0353717	0.44571	-0.00748	0.87189
0.38515	-0.012	0.7959	-0.15916	0.00056	-0.0414619	0.37133	0.030227	0.51465
0.74148	-0.09706	0.03602	-0.13473	0.00353	0.01024714	0.82521	0.050798	0.27329
0.87856	-0.00359	0.93834	-0.1902	3.52E-05	-0.08437	0.06851	0.007191	0.87683
0.35754	0.088835	0.05506	-0.11753	0.01103	-0.081279	0.07932	-0.02158	0.64179
0.72813	0.10761	0.02002	-0.09173	0.04757	-0.0694639	0.1339	0.022859	0.6222
0.7435	-0.21248	3.61E-06	-0.21754	2.08E-06	-0.0961012	0.03789	-0.03785	0.41448
0.94715	-0.02474	0.59389	-0.03425	0.46034	0.03643314	0.43217	0.029296	0.52769
0.00772	-0.0112	0.80931	-0.17142	0.0002	-0.1513412	0.00104	-0.15317	0.0009
0.26336	-0.03611	0.43628	-0.19423	2.37E-05	-0.0855365	0.06476	-0.03732	0.4211
0.69672	-0.09355	0.04332	-0.22448	9.54E-07	-0.1643829	0.00036	-0.15009	0.00114
0.14222	-0.02677	0.56391	-0.21638	2.36E-06	-0.1052551	0.02292	-0.04728	0.30796
0.56856	0.01961	0.67253	-0.12331	0.00764	0.06814528	0.14145	0.097219	0.0357
0.72685	0.029283	0.52788	-0.17145	0.0002	-0.0929772	0.04462	0.014801	0.74971
0.63336	-0.01248	0.78798	-0.21155	4.00E-06	-0.0713404	0.12368	-0.04652	0.31574
0.08552	-0.02455	0.59668	-0.2003	1.29E-05	-0.1024896	0.02678	-0.04666	0.31432
0.12346	0.077833	0.09295	-0.16404	0.00037	-0.2308085	4.59E-07	-0.21336	3.29E-06

0.26244	-0.01483	0.74917	-0.18153	7.97E-05	-0.0862558	0.06254	-0.02973	0.52165
0.92823	-0.01351	0.77085	-0.14361	0.00186	-0.0036571	0.93718	0.094549	0.04112
0.19221	-0.06494	0.16116	-0.19245	2.83E-05	-0.0680542	0.14199	-0.02322	0.61677
0.95462	0.316376	2.57E-12	0.255773	2.07E-08	0.27060532	2.79E-09	0.488237	2.41E-29
0.31077	0.408246	3.49E-20	0.177563	0.00011	0.27766089	1.03E-09	0.537306	2.74E-36
0.93492	0.505971	1.00E-31	0.183395	6.71E-05	0.0556829	0.22974	0.265762	5.44E-09
0.28044	0.326975	4.25E-13	0.238591	1.81E-07	-0.0657046	0.1563	0.119422	0.00979
0.00136	0.131066	0.00455	-0.08139	0.0789	0.00698636	0.88031	0.094253	0.04176
0.00342	0.345963	1.41E-14	0.362429	6.08E-16	0.16222416	0.00043	0.094899	0.04037
0.22379	0.353236	3.60E-15	0.45692	1.82E-25	0.33187247	1.81E-13	0.372296	8.43E-17
0.54711	0.440631	1.33E-23	0.28475	3.68E-10	0.19291283	2.70E-05	0.309166	8.41E-12
0.13855	0.366017	2.99E-16	0.40962	2.54E-20	0.20235644	1.05E-05	0.257698	1.61E-08
0.00606	0.468588	7.26E-27	0.383834	7.68E-18	0.40135193	1.68E-19	0.471389	3.29E-27
0.17414	0.522419	4.63E-34	0.351612	4.90E-15	-0.1017096	0.02797	0.02583	0.57768
0.75097	0.58213	1.04E-43	0.29639	6.35E-11	0.25192723	3.41E-08	0.461223	5.62E-26
0.25874	0.358196	1.39E-15	0.240052	1.52E-07	0.18258619	7.23E-05	0.287885	2.31E-10
0.0036	0.490586	1.19E-29	0.322358	9.40E-13	0.04089668	0.37789	0.059661	0.1981
0.17998	0.263332	7.57E-09	0.110575	0.01683	0.0552647	0.23326	0.074796	0.10647
0.65764	0.283877	4.18E-10	0.275011	1.50E-09	0.19369133	2.50E-05	0.330288	2.39E-13
0.01628	0.269598	3.21E-09	0.181365	8.10E-05	-0.0756864	0.10235	0.033352	0.47213
0.6692	0.130241	0.00482	0.171337	0.0002	-0.0381209	0.41114	0.176786	0.00012
0.41844	0.500972	4.85E-31	0.464105	2.54E-26	0.1061221	0.02181	0.124277	0.00717
0.46533	0.129913	0.00493	-0.01921	0.67885	-0.0062231	0.8933	0.025872	0.57705
0.67073	0.357881	1.48E-15	0.37824	2.48E-17	0.16237565	0.00043	0.154287	0.00082
0.2112	0.273106	1.97E-09	0.10489	0.0234	-0.2601136	1.17E-08	-0.15855	0.00058
0.36565	0.500191	6.20E-31	0.531645	1.99E-35	0.41191112	1.49E-20	0.564333	1.26E-40
0.16778	0.43318	8.78E-23	0.384205	7.10E-18	0.29909466	4.17E-11	0.152531	0.00094
0.22554	0.439116	1.96E-23	0.414357	8.43E-21	0.03759545	0.41762	-0.00939	0.83954
0.01137	0.402777	1.22E-19	0.008787	0.84979	0.04726465	0.30809	0.179435	9.66E-05
0.13653	0.253183	2.90E-08	0.420609	1.91E-21	0.46200944	4.53E-26	0.412364	1.34E-20
0.17222	0.286108	3.01E-10	0.472544	2.37E-27	0.44474353	4.60E-24	0.324624	6.38E-13
0.32282	0.126629	0.00614	-0.05587	0.22816	-0.0995376	0.03151	0.138637	0.00268
0.25406	0.381177	1.34E-17	0.489731	1.53E-29	0.31894138	1.68E-12	0.253146	2.91E-08
0.75649	0.338666	5.38E-14	0.12959	0.00504	-0.2733907	1.89E-09	-0.16767	0.00027
0.13867	0.223695	1.04E-06	0.108358	0.01917	0.02693667	0.56148	0.188751	4.04E-05
0.54736	0.204404	8.49E-06	0.109151	0.0183	-0.2165766	2.31E-06	-0.24876	5.12E-08
0.12363	0.242675	1.10E-07	0.059801	0.19705	-0.1123485	0.01514	-0.03317	0.47451
0.63237	0.398396	3.25E-19	0.541705	5.74E-37	0.50259958	2.91E-31	0.616573	3.03E-50
0.86578	0.577083	8.14E-43	0.321807	1.03E-12	0.26167133	9.47E-09	0.391632	1.44E-18
0.49774	0.600066	5.16E-47	0.551422	1.67E-38	0.39430273	8.03E-19	0.397922	3.61E-19
0.08193	0.261656	9.49E-09	0.214419	2.93E-06	-0.2696969	3.17E-09	-0.30946	8.02E-12
0.0173	0.300359	3.42E-11	0.202945	9.87E-06	-0.0739579	0.11046	-0.15199	0.00098
0.22826	0.675652	1.48E-63	0.333706	1.31E-13	0.182428	7.34E-05	0.391539	1.47E-18
0.99015	0.431937	1.20E-22	0.260131	1.16E-08	0.06826003	0.14078	0.094785	0.04062
0.56424	0.329939	2.54E-13	0.623331	1.27E-51	0.51973922	1.13E-33	0.429671	2.10E-22

0.68592	0.195003	2.20E-05	0.113195	0.01439	-0.1496133	0.00118	0.038394	0.4078
0.16085	0.119002	0.01006	-0.04501	0.33173	-0.2814909	5.92E-10	-0.12315	0.00771
0.10055	0.530087	3.40E-35	0.534244	8.04E-36	0.17290599	0.00017	0.152516	0.00094
0.21224	0.192154	2.91E-05	0.35731	1.65E-15	0.08902131	0.05455	0.17906	1.00E-04
0.00895	0.312769	4.67E-12	0.533044	1.22E-35	0.27970099	7.68E-10	0.112304	0.01518
0.98079	0.412969	1.17E-20	0.291315	1.38E-10	0.11919407	0.00993	0.332321	1.67E-13
5.90E-08	0.00951	0.8376	0.043228	0.35129	-0.0515219	0.2665	0.04978	0.28303
0.85346	0.419584	2.44E-21	0.448484	1.73E-24	0.37089694	1.12E-16	0.566738	4.94E-41
0.88406	0.417621	3.90E-21	0.282635	5.01E-10	0.12547224	0.00663	0.268613	3.68E-09
0.22544	0.491767	8.29E-30	0.382404	1.04E-17	0.08109528	0.08	0.197007	1.80E-05
0.78983	0.653796	2.77E-58	0.723504	7.35E-77	0.48656882	3.96E-29	0.477507	5.69E-28
0.68045	0.109168	0.01828	0.255463	2.16E-08	0.26979847	3.12E-09	0.305491	1.52E-11
0.0954	0.298031	4.92E-11	0.412431	1.32E-20	0.33987393	4.32E-14	0.461783	4.82E-26
0.03602	0.226205	7.84E-07	0.09238	0.04601	0.03487132	0.45218	0.108542	0.01896
8.34E-06	0.297799	5.10E-11	0.124044	0.00728	0.06393387	0.16779	0.24927	4.80E-08
0.17858	0.335515	9.47E-14	0.321361	1.11E-12	0.19572378	2.05E-05	0.226282	7.77E-07
0.2741	0.441071	1.19E-23	0.340361	3.95E-14	-0.0044552	0.9235	-0.02516	0.58761
0.27764	0.354118	3.04E-15	0.108618	0.01888	0.02538861	0.58419	0.098687	0.033
0.43362	0.357223	1.68E-15	0.272209	2.23E-09	0.08710941	0.05997	0.03656	0.43057
0.19188	0.23749	2.07E-07	0.251834	3.45E-08	0.1251164	0.00679	0.303723	2.01E-11
0.00248	0.408566	3.24E-20	0.28499	3.55E-10	0.06590754	0.15503	0.05882	0.20451
0.14408	0.115768	0.0123	-0.13727	0.00295	-0.3863547	4.49E-18	-0.19638	1.92E-05
0.92477	0.460332	7.18E-26	0.307959	1.02E-11	0.05487504	0.23658	0.217316	2.13E-06
0.02583	0.286341	2.91E-10	0.273085	1.97E-09	0.09997796	0.03076	0.03601	0.43754
0.25454	0.417776	3.76E-21	0.390217	1.96E-18	0.20954044	4.95E-06	0.425455	5.92E-22
0.95725	0.3168	2.40E-12	0.482663	1.26E-28	0.13482252	0.00351	-0.05976	0.19738
0.59311	0.203349	9.47E-06	0.296265	6.47E-11	0.1633674	0.00039	0.180683	8.62E-05
0.05963	0.353128	3.68E-15	0.44238	8.48E-24	0.33524275	9.94E-14	0.46753	9.77E-27
0.14618	0.180319	8.91E-05	0.369538	1.47E-16	0.38676717	4.11E-18	0.229821	5.15E-07
0.37388	0.365555	3.27E-16	0.356414	1.96E-15	0.37778453	2.73E-17	0.376119	3.85E-17
1.17E-18	0.25416	2.56E-08	0.201021	1.20E-05	0.16744169	0.00028	0.261795	9.32E-09
0.05061	0.115939	0.01217	0.368055	1.99E-16	0.37860431	2.30E-17	0.276638	1.19E-09
0.25544	0.301325	2.94E-11	0.318869	1.70E-12	0.05142444	0.26741	0.093644	0.04311
0.93665	0.40711	4.53E-20	0.307968	1.02E-11	0.12097693	0.00887	0.330001	2.51E-13
0.00283	0.242378	1.14E-07	0.08051	0.08221	0.05917101	0.20182	0.216169	2.42E-06
0.03838	0.496502	1.95E-30	0.387581	3.45E-18	0.13524492	0.00341	0.065877	0.15522
0.85863	0.156083	0.00071	0.07595	0.10116	-0.0313018	0.49981	0.121139	0.00878
0.63912	0.524702	2.14E-34	0.267325	4.39E-09	0.09094751	0.04951	0.272607	2.11E-09
0.09984	0.505428	1.19E-31	0.563822	1.53E-40	0.31503781	3.21E-12	0.424172	8.08E-22
0.18132	0.522479	4.53E-34	0.452611	5.78E-25	-0.0574171	0.21553	0.089325	0.05373
0.51853	0.321524	1.08E-12	0.159532	0.00054	0.03958097	0.39344	0.301414	2.90E-11
0.43911	0.415136	7.02E-21	0.491157	9.97E-30	0.20572706	7.40E-06	0.300861	3.17E-11
0.03332	0.140307	0.00237	0.19	3.59E-05	0.07923307	0.0872	0.262973	7.95E-09
0.04831	0.307763	1.06E-11	0.333072	1.46E-13	0.05502629	0.23529	0.029226	0.52868
0.70954	0.570222	1.26E-41	0.479457	3.23E-28	0.1908841	3.29E-05	0.271165	2.58E-09

0.03156	0.442505	8.21E-24	0.27063	2.78E-09	0.03927577	0.3971	0.237273	2.13E-07
0.6075	0.259438	1.28E-08	0.241504	1.27E-07	0.00948833	0.83796	0.261962	9.11E-09
0.15116	0.461648	5.00E-26	0.033867	0.46531	-0.0390686	0.3996	0.136361	0.00315
0.31882	0.324075	7.01E-13	0.279955	7.40E-10	0.2448407	8.38E-08	0.269609	3.21E-09
0.58214	0.473602	1.75E-27	0.563186	1.96E-40	0.4331477	8.85E-23	0.419919	2.25E-21
0.64245	0.493377	5.08E-30	0.260855	1.06E-08	0.14698956	0.00145	0.401856	1.50E-19
0.07936	0.162243	0.00043	0.110573	0.01683	0.25759751	1.63E-08	0.179469	9.63E-05
0.40792	0.276931	1.14E-09	0.071805	0.12124	0.00825641	0.85876	0.152638	0.00094
0.93626	0.469217	6.08E-27	0.396655	4.78E-19	0.05114149	0.27005	-0.00505	0.91339



MMdarkgrp	MMdarkl	MMblue	p.MMblue	MMsalmoip	MMsaln	MMbrownp	MMbrov	MMdarkre
0.226935	7.20E-07	0.339493	4.63E-14	0.343755	2.12E-14	0.160947	0.00048	0.117735
-0.02744	0.55424	0.169136	0.00024	0.111205	0.01621	0.04269	0.35732	-0.03801
-0.05862	0.20609	0.046635	0.31459	0.03425	0.46029	-0.05306	0.25244	-0.10687
0.020059	0.66548	0.211909	3.84E-06	0.142163	0.00207	0.100324	0.03018	0.096824
-0.10179	0.02784	0.149006	0.00124	0.11796	0.01073	-0.04072	0.37995	-0.16039
0.029845	0.51998	0.185594	5.46E-05	0.189304	3.83E-05	0.023002	0.62002	-0.02024
0.061429	0.18511	0.168843	0.00025	0.153721	0.00086	0.031472	0.49749	0.014246
0.054441	0.24032	0.201695	1.12E-05	0.194294	2.36E-05	0.044372	0.33867	-0.03883
0.032011	0.49014	0.117537	0.01102	0.090685	0.05017	0.00557	0.90444	-0.03971
-0.03185	0.49235	0.086772	0.06098	0.073591	0.11224	-0.07646	0.0989	-0.16203
0.025606	0.58098	0.164601	0.00035	0.183515	6.63E-05	0.016113	0.72837	0.006046
0.083608	0.07106	0.118543	0.01035	0.117573	0.011	0.086632	0.0614	-0.06784
-0.03293	0.47776	0.043606	0.34708	0.021337	0.64558	0.019404	0.67577	-0.19217
0.172459	0.00018	0.334742	1.09E-13	0.372015	8.93E-17	0.227263	6.94E-07	0.151146
0.034756	0.45368	0.144655	0.00172	0.126862	0.00605	0.019105	0.68049	-0.01562
0.025393	0.58413	0.131189	0.00452	0.108728	0.01876	0.03107	0.503	-0.02466
-0.00048	0.99176	0.10444	0.024	0.115284	0.01267	0.02962	0.52314	-0.05481
0.025206	0.58691	0.223383	1.08E-06	0.236516	2.33E-07	0.047241	0.30834	0.047237
0.036097	0.43644	0.003422	0.94121	-0.015	0.74647	0.020175	0.66367	-0.13037
0.048168	0.29893	0.128963	0.00525	0.102519	0.02674	0.029943	0.51861	-0.03621
0.048915	0.29149	0.096356	0.03739	0.113854	0.01382	-0.00675	0.8844	-0.12402
-0.15765	0.00063	-0.04291	0.35483	0.000904	0.98445	-0.15024	0.00113	-0.20228
0.151972	0.00099	0.25515	2.25E-08	0.230313	4.87E-07	0.155233	0.00076	0.038045
0.085383	0.06525	0.141812	0.00213	0.103563	0.02522	0.081441	0.07872	-0.02739
-0.00044	0.9925	-0.01163	0.80207	-0.02121	0.64761	0.019826	0.66913	-0.11614
0.049894	0.28193	0.290026	1.67E-10	0.247499	6.00E-08	0.071627	0.12218	-0.01094
0.013442	0.77204	0.166064	0.00031	0.204809	8.14E-06	0.034671	0.45479	-0.00219
0.093389	0.04368	0.159824	0.00053	0.156259	0.0007	0.013897	0.76455	-0.11627
-0.00636	0.89095	0.028738	0.53558	0.007168	0.87722	-0.06308	0.17357	-0.13052
-0.14195	0.00211	-0.04589	0.32237	-0.07264	0.11695	-0.07311	0.11459	-0.07765
-0.06452	0.16391	0.116522	0.01174	0.055365	0.23242	0.03108	0.50285	-0.04761
0.067559	0.14492	0.244666	8.57E-08	0.167319	0.00028	0.093888	0.04256	-0.03016
0.002612	0.9551	0.240776	1.39E-07	0.154834	0.00079	0.038429	0.40736	0.011511
-0.0548	0.23726	0.048928	0.29136	-0.0018	0.969	-0.02179	0.63857	-0.00374
0.206337	6.94E-06	0.250352	4.18E-08	0.2911	1.42E-10	0.123826	0.00738	0.066171
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0.027316	0.55598	0.215995	2.47E-06	0.170908	0.00021	0.041331	0.37284	0.017761
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-0.03993	0.38924	0.120544	0.00912	0.067167	0.14727	0.101901	0.02767	0.064248
0.142006	0.0021	0.369928	1.36E-16	0.33452	1.13E-13	0.176639	0.00012	0.078604
-0.00808	0.86167	0.113091	0.01448	0.099728	0.03118	0.055999	0.2271	-0.04326
0.044183	0.34073	0.165485	0.00033	0.093197	0.04412	0.036724	0.42851	-0.05832
0.460146	7.55E-26	0.42394	8.55E-22	0.509679	3.06E-32	0.261682	9.46E-09	0.189355
0.591605	1.98E-45	0.406783	4.89E-20	0.361664	7.06E-16	0.351923	4.62E-15	0.217292

0.438137	2.51E-23	0.400143	2.20E-19	0.482321	1.40E-28	0.347032	1.16E-14	0.469101
0.429265	2.32E-22	0.421265	1.63E-21	0.365496	3.31E-16	0.350001	6.64E-15	0.331208
0.326535	4.59E-13	0.21369	3.17E-06	0.359291	1.12E-15	0.205633	7.47E-06	0.014801
0.383579	8.11E-18	0.388546	2.81E-18	0.380424	1.57E-17	0.245108	8.11E-08	0.241623
0.386814	4.07E-18	0.441444	1.08E-23	0.485567	5.34E-29	0.298273	4.74E-11	0.23588
0.39582	5.75E-19	0.302239	2.55E-11	0.2624	8.59E-09	0.342999	2.44E-14	0.398298
0.577646	6.48E-43	0.316501	2.52E-12	0.406323	5.43E-20	0.242129	1.17E-07	0.20105
0.56108	4.39E-40	0.472664	2.29E-27	0.623776	1.02E-51	0.389639	2.22E-18	0.386511
0.441369	1.10E-23	0.374087	5.85E-17	0.382192	1.09E-17	0.306696	1.25E-11	0.330029
0.433863	7.40E-23	0.400576	2.00E-19	0.415208	6.90E-21	0.347584	1.04E-14	0.508528
0.547664	6.64E-38	0.349197	7.73E-15	0.403365	1.06E-19	0.343586	2.19E-14	0.257797
0.539159	1.42E-36	0.552687	1.04E-38	0.548213	5.43E-38	0.470236	4.56E-27	0.523773
0.763824	1.83E-90	0.582119	1.04E-43	0.725498	1.78E-77	0.281326	6.07E-10	0.317499
0.573247	3.79E-42	0.517735	2.21E-33	0.526635	1.11E-34	0.615455	5.08E-50	0.628855
0.624822	6.21E-52	0.369679	1.43E-16	0.458197	1.28E-25	0.263194	7.72E-09	0.218535
0.502734	2.79E-31	0.402803	1.21E-19	0.420238	2.09E-21	0.409988	2.34E-20	0.506304
0.32236	9.40E-13	0.291941	1.25E-10	0.394259	8.11E-19	0.139252	0.00256	0.214564
0.717736	4.13E-75	0.677174	6.11E-64	0.670072	3.62E-62	0.361418	7.41E-16	0.310192
0.397004	4.43E-19	0.44151	1.06E-23	0.517294	2.55E-33	0.16606	0.00031	0.231785
-0.36424	4.25E-16	-0.16954	0.00023	-0.33915	4.92E-14	-0.17191	0.00019	-0.26215
0.666403	2.86E-61	0.637678	1.15E-54	0.697858	2.11E-69	0.357355	1.63E-15	0.38061
0.48823	2.41E-29	0.40609	5.73E-20	0.416311	5.32E-21	0.361765	6.92E-16	0.622499
0.579432	3.14E-43	0.623186	1.36E-51	0.6023	1.93E-47	0.415288	6.77E-21	0.491238
-0.3399	4.30E-14	-0.28532	3.38E-10	-0.27501	1.50E-09	-0.23492	2.82E-07	-0.21173
0.495359	2.77E-30	0.350862	5.65E-15	0.385348	5.57E-18	0.105662	0.02239	-0.03094
0.376541	3.53E-17	0.41859	3.10E-21	0.42163	1.49E-21	0.158841	0.00057	0.078972
0.463271	3.20E-26	0.257184	1.72E-08	0.186295	5.11E-05	0.398839	2.94E-19	0.382373
0.469026	6.42E-27	0.403419	1.05E-19	0.514117	7.24E-33	0.262405	8.58E-09	0.228129
0.605603	4.46E-48	0.583189	6.73E-44	0.63741	1.31E-54	0.285747	3.17E-10	0.206895
0.440884	1.25E-23	0.446667	2.78E-24	0.540671	8.30E-37	0.324376	6.66E-13	0.20215
0.373347	6.81E-17	0.320434	1.30E-12	0.425397	6.00E-22	0.079635	0.0856	0.00206
0.698966	1.04E-69	0.679213	1.85E-64	0.779465	1.68E-96	0.481241	1.92E-28	0.545372
0.607548	1.87E-48	0.471855	2.88E-27	0.609275	8.57E-49	0.260927	1.05E-08	0.215587
-0.51166	1.61E-32	-0.34683	1.20E-14	-0.39427	8.08E-19	-0.33431	1.17E-13	-0.30901
0.570585	1.09E-41	0.696885	3.91E-69	0.633577	8.83E-54	0.41348	1.04E-20	0.439759
0.773427	4.11E-94	0.734236	3.09E-80	0.774183	2.08E-94	0.513265	9.57E-33	0.53404
0.415219	6.88E-21	0.302476	2.45E-11	0.277699	1.02E-09	0.251315	3.69E-08	0.360952
-0.36886	1.69E-16	-0.30376	2.00E-11	-0.54271	3.99E-37	-0.12185	0.00839	-0.12929
0.645307	2.37E-56	0.397974	3.57E-19	0.504136	1.79E-31	0.236142	2.44E-07	0.233721
0.282674	4.99E-10	0.356012	2.12E-15	0.355352	2.40E-15	0.254167	2.55E-08	0.379963
0.67162	1.50E-62	0.630364	4.27E-53	0.750168	1.45E-85	0.406377	5.36E-20	0.407689
0.337227	6.97E-14	0.295112	7.73E-11	0.29135	1.37E-10	0.185931	5.29E-05	0.065193
0.694908	1.35E-68	0.651597	8.90E-58	0.59634	2.61E-46	0.450143	1.11E-24	0.51832
0.483059	1.12E-28	0.662953	1.94E-60	0.599796	5.81E-47	0.30009	3.57E-11	0.343161
0.394377	7.90E-19	0.255525	2.14E-08	0.317526	2.12E-12	0.112563	0.01494	0.117419

0.384395	6.82E-18	0.326234	4.84E-13	0.408968	2.96E-20	0.183569	6.60E-05	0.167828
0.441731	1.00E-23	0.362943	5.49E-16	0.378417	2.39E-17	0.248544	5.26E-08	0.328429
0.656286	7.32E-59	0.645099	2.64E-56	0.702247	1.27E-70	0.383074	9.02E-18	0.208598
0.634147	6.66E-54	0.47464	1.30E-27	0.724043	5.02E-77	0.193143	2.64E-05	0.2122
0.692105	7.76E-68	0.627412	1.79E-52	0.685855	3.54E-66	0.56737	3.86E-41	0.611916
0.672319	1.01E-62	0.805769	#####	0.840923	#####	0.447985	1.97E-24	0.524853
0.474216	1.47E-27	0.370009	1.34E-16	0.408301	3.45E-20	0.231997	3.99E-07	0.285345
0.447068	2.51E-24	0.637022	1.59E-54	0.624268	8.10E-52	0.342458	2.70E-14	0.390736
0.653529	3.20E-58	0.487284	3.20E-29	0.618045	1.53E-50	0.296173	6.56E-11	0.268045
0.533579	1.01E-35	0.514102	7.28E-33	0.43994	1.59E-23	0.30309	2.23E-11	0.289235
0.226229	7.81E-07	0.228355	6.11E-07	0.229428	5.39E-07	0.228555	5.97E-07	0.22957
0.637257	1.42E-54	0.358127	1.41E-15	0.436876	3.46E-23	0.289484	1.82E-10	0.214442
0.381988	1.13E-17	0.42352	9.47E-22	0.470912	3.77E-27	0.287597	2.41E-10	0.184647
0.58955	4.73E-45	0.513846	7.92E-33	0.505541	1.15E-31	0.345875	1.44E-14	0.44721
0.25914	1.33E-08	-0.1659	0.00032	-0.04872	0.29343	-0.02305	0.6193	-0.23552
0.469943	4.95E-27	0.262853	8.08E-09	0.246416	6.88E-08	0.378074	2.57E-17	0.221516
0.536774	3.31E-36	0.376892	3.28E-17	0.473637	1.73E-27	0.291952	1.25E-10	0.27139
0.525461	1.66E-34	0.552292	1.21E-38	0.471988	2.78E-27	0.297414	5.42E-11	0.367447
0.54013	1.01E-36	0.473742	1.68E-27	0.433718	7.67E-23	0.313492	4.15E-12	0.379081
0.375224	4.63E-17	0.227774	6.54E-07	0.340692	3.72E-14	0.081771	0.07751	-0.12478
-0.39693	4.50E-19	-0.24596	7.29E-08	-0.3494	7.43E-15	-0.21248	3.62E-06	-0.27827
0.530249	3.22E-35	0.464169	2.49E-26	0.530625	2.83E-35	0.354237	2.97E-15	0.213091
-0.71219	1.81E-73	-0.68975	3.31E-67	-0.77254	9.08E-94	-0.42356	9.38E-22	-0.44683
0.767506	7.67E-92	0.730862	3.70E-79	0.790858	#####	0.353984	3.12E-15	0.417592
0.49158	8.77E-30	0.427107	3.95E-22	0.423509	9.49E-22	0.3677	2.13E-16	0.378321
0.334273	1.18E-13	0.050983	0.27154	0.318864	1.70E-12	-0.03327	0.47328	-0.16653
0.227545	6.71E-07	0.29186	1.27E-10	0.213013	3.41E-06	0.249897	4.43E-08	0.431617
0.488746	2.06E-29	0.570951	9.44E-42	0.536832	3.24E-36	0.39111	1.61E-18	0.446641
0.614439	8.12E-50	0.332108	1.73E-13	0.492859	5.95E-30	0.282713	4.96E-10	0.239186
-0.4743	1.43E-27	-0.59715	1.83E-46	-0.6611	5.38E-60	-0.34421	1.95E-14	-0.43437
0.261564	9.61E-09	0.211987	3.81E-06	0.343181	2.36E-14	0.173986	0.00016	0.16061
-0.28688	2.68E-10	-0.04974	0.28341	-0.39093	1.68E-18	-0.07422	0.10919	-0.11233
-0.24634	6.95E-08	-0.35719	1.69E-15	-0.30733	1.13E-11	-0.16739	0.00028	-0.25236
-0.40241	1.32E-19	-0.50912	3.66E-32	-0.56314	1.99E-40	-0.31078	6.47E-12	-0.45527
0.562102	2.97E-40	0.508477	4.50E-32	0.598168	1.18E-46	0.295293	7.52E-11	0.390882
-0.27851	9.12E-10	-0.0549	0.23636	-0.28656	2.81E-10	-0.0551	0.23466	-0.01076
0.355123	2.51E-15	0.375457	4.42E-17	0.332831	1.53E-13	0.231589	4.19E-07	0.272426
-0.30882	8.90E-12	-0.26259	8.37E-09	-0.2697	3.16E-09	-0.30002	3.61E-11	-0.40983
-0.36344	4.98E-16	-0.3237	7.47E-13	-0.31568	2.89E-12	-0.27717	1.10E-09	-0.29516
-0.44707	2.50E-24	-0.5495	3.38E-38	-0.54575	1.33E-37	-0.27233	2.19E-09	-0.22487
0.42993	1.97E-22	0.513029	1.03E-32	0.48776	2.78E-29	0.237429	2.09E-07	0.271351
0.395784	5.80E-19	0.311882	5.41E-12	0.255401	2.17E-08	0.341952	2.96E-14	0.219867
0.640248	3.14E-55	0.532566	1.44E-35	0.537115	2.93E-36	0.436985	3.37E-23	0.314234
0.591879	1.76E-45	0.375975	3.97E-17	0.414848	7.51E-21	0.410224	2.21E-20	0.367959
0.714931	2.83E-74	0.665975	3.63E-61	0.633379	9.73E-54	0.508704	4.18E-32	0.445254

-0.48828	2.37E-29	-0.44358	6.21E-24	-0.54521	1.62E-37	-0.34525	1.61E-14	-0.44034
0.741657	1.14E-82	0.621537	2.96E-51	0.735277	1.42E-80	0.40868	3.16E-20	0.451776
-0.58224	9.93E-44	-0.6698	4.23E-62	-0.76511	6.07E-91	-0.34703	1.16E-14	-0.47638
-0.34583	1.45E-14	-0.25253	3.16E-08	-0.37022	1.28E-16	-0.24256	1.11E-07	-0.17302
-0.47246	2.43E-27	-0.23122	4.37E-07	-0.42585	5.37E-22	-0.08602	0.06326	0.108714
-0.23996	1.53E-07	-0.30165	2.80E-11	-0.33041	2.34E-13	-0.1186	0.01031	-0.41919
-0.38742	3.58E-18	-0.40198	1.45E-19	-0.40963	2.54E-20	-0.22453	9.50E-07	-0.26345
0.591731	1.88E-45	0.602484	1.78E-47	0.658832	1.85E-59	0.320496	1.29E-12	0.220886
-0.43286	9.50E-23	-0.32368	7.51E-13	-0.37416	5.76E-17	-0.30728	1.14E-11	-0.42547
0.600068	5.15E-47	0.600511	4.25E-47	0.520515	8.75E-34	0.51093	2.04E-32	0.519311
0.833601	#####	0.702926	8.21E-71	0.731477	2.36E-79	0.460693	6.50E-26	0.515759
-0.52409	2.64E-34	-0.56688	4.67E-41	-0.63374	8.16E-54	-0.34415	1.98E-14	-0.48154
-0.39442	7.83E-19	-0.35862	1.28E-15	-0.42666	4.40E-22	-0.15086	0.00108	-0.14327
0.72354	7.16E-77	0.644558	3.49E-56	0.625141	5.33E-52	0.38028	1.62E-17	0.474408
0.434502	6.30E-23	0.276095	1.29E-09	0.28262	5.03E-10	0.356718	1.85E-15	0.149751
0.324375	6.66E-13	0.241575	1.26E-07	0.227457	6.78E-07	0.207748	5.99E-06	0.013096
0.682054	3.45E-65	0.444346	5.09E-24	0.401491	1.62E-19	0.353299	3.56E-15	0.361939
-0.37566	4.24E-17	-0.33302	1.48E-13	-0.37017	1.30E-16	-0.13751	0.0029	-0.04887
0.579696	2.82E-43	0.386035	4.81E-18	0.376122	3.85E-17	0.237729	2.01E-07	0.338186
-0.43006	1.91E-22	-0.23703	2.19E-07	-0.44621	3.13E-24	-0.1958	2.03E-05	-0.19839
0.696244	5.85E-69	0.594203	6.54E-46	0.538261	1.96E-36	0.459264	9.61E-26	0.567545
0.532244	1.61E-35	0.201217	1.18E-05	0.276332	1.25E-09	0.323868	7.26E-13	0.137741
0.361748	6.95E-16	0.363036	5.39E-16	0.379398	1.95E-17	0.156278	0.0007	0.17103
-0.31746	2.15E-12	-0.41506	7.14E-21	-0.44389	5.74E-24	-0.30313	2.21E-11	-0.46022
0.506057	9.75E-32	0.412635	1.26E-20	0.466663	1.25E-26	0.275789	1.35E-09	0.417792
0.465217	1.86E-26	0.511699	1.59E-32	0.434761	5.90E-23	0.310817	6.43E-12	0.365747
0.558072	1.38E-39	0.281134	6.24E-10	0.456071	2.29E-25	0.151848	0.001	0.171553
0.757798	2.91E-88	0.535117	5.92E-36	0.708648	1.93E-72	0.4582	1.28E-25	0.43951
-0.32539	5.60E-13	-0.36902	1.64E-16	-0.59557	3.63E-46	-0.06259	0.17696	-0.13934
0.458376	1.22E-25	0.40778	3.89E-20	0.409127	2.85E-20	0.344464	1.86E-14	0.299195
-0.51681	2.99E-33	-0.52833	6.23E-35	-0.49425	3.89E-30	-0.24578	7.45E-08	-0.2479
0.566397	5.64E-41	0.43958	1.74E-23	0.41188	1.51E-20	0.255551	2.13E-08	0.161062
0.389542	2.26E-18	0.358774	1.24E-15	0.238766	1.77E-07	0.333087	1.46E-13	0.443446
0.375743	4.16E-17	0.59622	2.75E-46	0.550682	2.19E-38	0.373973	5.99E-17	0.550505
0.372581	7.96E-17	0.373236	6.96E-17	0.313647	4.05E-12	0.375058	4.79E-17	0.285103
0.343818	2.10E-14	0.478087	4.81E-28	0.50126	4.44E-31	0.29232	1.18E-10	0.301511
-0.41884	2.91E-21	-0.24411	9.18E-08	-0.20878	5.36E-06	-0.28584	3.13E-10	-0.2359
0.694525	1.72E-68	0.63903	5.82E-55	0.587285	1.23E-44	0.389592	2.24E-18	0.372825
0.770015	8.52E-93	0.632931	1.21E-53	0.706405	8.48E-72	0.513928	7.71E-33	0.577154
0.649755	2.35E-57	0.549752	3.08E-38	0.559546	7.89E-40	0.512331	1.30E-32	0.605371
0.510599	2.27E-32	0.351286	5.21E-15	0.477983	4.96E-28	0.211589	3.98E-06	0.117258
-0.33374	1.30E-13	-0.29724	5.56E-11	-0.37472	5.14E-17	-0.20544	7.62E-06	-0.15908
0.463635	2.89E-26	0.4172	4.31E-21	0.376146	3.83E-17	0.307472	1.11E-11	0.381265
0.686899	1.88E-66	0.479385	3.30E-28	0.566287	5.89E-41	0.421898	1.40E-21	0.324793
0.701202	2.50E-70	0.671364	1.74E-62	0.661498	4.32E-60	0.418698	3.02E-21	0.556945

0.384436	6.76E-18	0.443299	6.68E-24	0.472359	2.50E-27	0.221915	1.28E-06	0.106683
0.324722	6.28E-13	0.148243	0.00131	0.354414	2.88E-15	0.015643	0.736	-0.08902
0.55071	2.17E-38	0.38713	3.81E-18	0.290909	1.47E-10	0.352532	4.12E-15	0.582602
0.591666	1.93E-45	0.596687	2.24E-46	0.631334	2.66E-53	0.423301	9.98E-22	0.255348
0.328451	3.29E-13	-0.01902	0.68179	0.188376	4.19E-05	0.066398	0.15197	-0.17607
0.63821	8.78E-55	0.56267	2.39E-40	0.395321	6.42E-19	0.344596	1.82E-14	0.422733
0.48716	3.32E-29	0.554057	6.25E-39	0.579727	2.78E-43	0.42143	1.57E-21	0.414378
0.387423	3.57E-18	0.329405	2.79E-13	0.407119	4.52E-20	0.181944	7.67E-05	0.180478
0.298285	4.73E-11	0.236578	2.31E-07	0.374983	4.87E-17	0.133723	0.00379	-0.07779
0.562167	2.90E-40	0.439052	1.99E-23	0.46984	5.10E-27	0.158564	0.00058	0.062132
0.589138	5.63E-45	0.23485	2.84E-07	0.392354	1.23E-18	0.209166	5.15E-06	0.307068
0.615544	4.88E-50	0.593882	7.50E-46	0.650266	1.80E-57	0.267271	4.43E-09	0.249864
0.744896	9.30E-84	0.612349	2.12E-49	0.710959	4.13E-73	0.485694	5.14E-29	0.499919
-0.42178	1.44E-21	-0.40336	1.07E-19	-0.44308	7.06E-24	-0.31415	3.72E-12	-0.47508
0.446502	2.90E-24	0.601163	3.19E-47	0.592293	1.48E-45	0.252258	3.27E-08	0.400606
0.809871	#####	0.758592	1.51E-88	0.749338	2.81E-85	0.503309	2.33E-31	0.538212
0.521552	6.19E-34	0.573381	3.60E-42	0.692714	5.32E-68	0.284676	3.72E-10	0.425197
0.425665	5.62E-22	0.305585	1.50E-11	0.448751	1.61E-24	0.262675	8.28E-09	0.429082
0.339032	5.03E-14	0.027422	0.55444	0.087787	0.058	0.116987	0.01141	0.273896
0.576723	9.41E-43	0.490956	1.06E-29	0.469791	5.17E-27	0.434631	6.10E-23	0.437732
0.389141	2.47E-18	0.214692	2.84E-06	0.272354	2.19E-09	0.227921	6.43E-07	0.022363
0.466042	1.48E-26	0.151983	0.00099	0.188268	4.24E-05	0.207977	5.84E-06	-0.08492
0.516334	3.50E-33	0.50285	2.69E-31	0.415961	5.78E-21	0.442967	7.28E-24	0.385211
0.69674	4.28E-69	0.588734	6.67E-45	0.561912	3.20E-40	0.432283	1.10E-22	0.424125
0.731048	3.23E-79	0.79444	#####	0.765683	3.71E-91	0.533447	1.06E-35	0.639069
0.592076	1.62E-45	0.622011	2.37E-51	0.616533	3.08E-50	0.473789	1.66E-27	0.636777
0.484589	7.14E-29	0.44283	7.55E-24	0.470784	3.91E-27	0.234276	3.05E-07	0.465295
0.380461	1.56E-17	0.516352	3.48E-33	0.513975	7.59E-33	0.281719	5.73E-10	0.411043
0.397651	3.83E-19	0.354972	2.58E-15	0.469528	5.57E-27	0.287029	2.62E-10	0.512045
0.536468	3.69E-36	0.240347	1.46E-07	0.403254	1.09E-19	0.255263	2.21E-08	0.238552
0.345752	1.47E-14	0.228798	5.81E-07	0.351015	5.49E-15	0.144118	0.00179	0.173675
0.675862	1.31E-63	0.729863	7.67E-79	0.657488	3.83E-59	0.46218	4.32E-26	0.761381
0.494927	3.16E-30	0.328106	3.50E-13	0.362405	6.11E-16	0.277643	1.03E-09	0.111351
0.441363	1.10E-23	0.455925	2.38E-25	0.446781	2.70E-24	0.14954	0.00119	0.195572
-0.36122	7.70E-16	-0.41883	2.92E-21	-0.5101	2.67E-32	-0.2682	3.90E-09	-0.40363
0.312409	4.96E-12	0.344987	1.69E-14	0.33884	5.21E-14	0.160027	0.00052	0.136737
0.307738	1.06E-11	0.32915	2.91E-13	0.338904	5.15E-14	0.291189	1.41E-10	0.284167
0.584208	4.41E-44	0.614779	6.94E-50	0.565883	6.89E-41	0.325773	5.24E-13	0.398985
0.577906	5.83E-43	0.458485	1.19E-25	0.535304	5.55E-36	0.412024	1.46E-20	0.547379
0.288722	2.04E-10	0.326444	4.66E-13	0.357231	1.67E-15	0.154229	0.00083	0.047287
0.234527	2.96E-07	0.276532	1.21E-09	0.319347	1.57E-12	0.170889	0.00021	0.039367
0.49268	6.28E-30	0.49466	3.43E-30	0.41907	2.76E-21	0.276765	1.17E-09	0.514055
0.644351	3.88E-56	0.50579	1.06E-31	0.660667	6.81E-60	0.312695	4.73E-12	0.259827
0.685504	4.38E-66	0.40412	8.97E-20	0.402962	1.17E-19	0.293893	9.32E-11	0.169286
-0.2254	8.59E-07	0.041289	0.37333	-0.35203	4.53E-15	-0.00388	0.93333	0.164665

0.396108	5.40E-19	0.313653	4.04E-12	0.254411	2.47E-08	0.260876	1.05E-08	0.21401
0.456381	2.10E-25	0.362825	5.62E-16	0.42538	6.03E-22	0.282924	4.81E-10	0.385014
0.605885	3.94E-48	0.668373	9.46E-62	0.615372	5.28E-50	0.40443	8.36E-20	0.503211
-0.45548	2.68E-25	-0.47238	2.48E-27	-0.57173	6.93E-42	-0.26557	5.58E-09	-0.33859
0.681201	5.73E-65	0.70754	4.02E-72	0.676922	7.07E-64	0.435109	5.41E-23	0.486504
0.426598	4.48E-22	0.473082	2.03E-27	0.548087	5.68E-38	0.209853	4.79E-06	0.092882
0.538334	1.91E-36	0.444679	4.67E-24	0.475632	9.78E-28	0.3513	5.20E-15	0.37988
0.392655	1.15E-18	0.270888	2.68E-09	0.311161	6.08E-12	0.267036	4.57E-09	0.173735
0.610958	4.00E-49	0.752494	2.24E-86	0.731493	2.33E-79	0.45735	1.62E-25	0.351419
-0.23592	2.50E-07	-0.22437	9.67E-07	-0.45339	4.70E-25	-0.0505	0.27616	-0.00671
0.63226	1.69E-53	0.51477	5.85E-33	0.58155	1.32E-43	0.373931	6.04E-17	0.370586
0.533344	1.10E-35	0.486352	4.23E-29	0.512262	1.33E-32	0.385415	5.49E-18	0.312367
0.246636	6.69E-08	0.177906	0.00011	0.29744	5.40E-11	0.134408	0.00361	0.153227
-0.3871	3.83E-18	-0.18606	5.22E-05	-0.30472	1.72E-11	-0.22575	8.26E-07	-0.22178
0.328666	3.17E-13	0.167134	0.00029	0.248	5.63E-08	0.162185	0.00043	0.246468
0.6712	1.91E-62	0.704701	2.59E-71	0.66237	2.68E-60	0.407936	3.75E-20	0.441772
0.575101	1.81E-42	0.445764	3.52E-24	0.564809	1.05E-40	0.312898	4.58E-12	0.379746
0.709152	1.38E-72	0.557798	1.53E-39	0.721105	3.97E-76	0.417399	4.11E-21	0.388591
0.327749	3.72E-13	0.329634	2.68E-13	0.432919	9.37E-23	0.316644	2.46E-12	0.304092
-0.38808	3.10E-18	-0.30698	1.20E-11	-0.4043	8.62E-20	-0.21743	2.11E-06	-0.22197
0.367815	2.09E-16	0.451555	7.66E-25	0.49158	8.77E-30	0.190243	3.50E-05	0.326213
0.810131	#####	0.836346	#####	0.848386	#####	0.444936	4.37E-24	0.489605
0.48034	2.50E-28	0.443122	7.00E-24	0.413952	9.27E-21	0.251755	3.49E-08	0.277573
0.511714	1.58E-32	0.344402	1.89E-14	0.265963	5.30E-09	0.278944	8.57E-10	0.331611
0.755108	2.67E-87	0.740592	2.58E-82	0.708376	2.31E-72	0.472975	2.10E-27	0.516968
0.49083	1.10E-29	0.417234	4.27E-21	0.351627	4.89E-15	0.366323	2.81E-16	0.547351
-0.55456	5.17E-39	-0.52416	2.57E-34	-0.74435	1.42E-83	-0.26571	5.48E-09	-0.27071
0.514446	6.51E-33	0.30021	3.51E-11	0.352438	4.19E-15	0.232232	3.88E-07	0.105285
0.416192	5.47E-21	0.420116	2.15E-21	0.426199	4.93E-22	0.406356	5.39E-20	0.284967
0.162769	0.00041	0.170397	0.00022	0.366452	2.74E-16	0.090496	0.05065	0.138077
0.521105	7.19E-34	0.437064	3.30E-23	0.412603	1.27E-20	0.432582	1.02E-22	0.43487
0.731056	3.21E-79	0.694273	2.01E-68	0.718828	1.94E-75	0.450258	1.08E-24	0.457846
0.43278	9.70E-23	0.296718	6.04E-11	0.396466	4.98E-19	0.319335	1.57E-12	0.255427
0.432802	9.65E-23	0.390268	1.94E-18	0.32881	3.09E-13	0.17403	0.00016	0.137121
0.631454	2.51E-53	0.47033	4.44E-27	0.620764	4.26E-51	0.401729	1.54E-19	0.464808
0.306644	1.26E-11	0.278751	8.81E-10	0.312638	4.78E-12	0.288889	1.99E-10	0.297372
0.42698	4.08E-22	0.220036	1.58E-06	0.389004	2.54E-18	0.075376	0.10377	0.211045
0.483428	1.01E-28	0.52344	3.28E-34	0.468907	6.64E-27	0.436476	3.83E-23	0.673122
0.312753	4.69E-12	0.246048	7.21E-08	0.312164	5.16E-12	0.303087	2.23E-11	0.437729
0.598557	9.96E-47	0.557225	1.90E-39	0.593399	9.23E-46	0.380505	1.55E-17	0.301609
0.405993	5.85E-20	0.262226	8.79E-09	0.392086	1.30E-18	0.141117	0.00224	0.063842
0.510965	2.02E-32	0.521494	6.31E-34	0.425984	5.20E-22	0.47598	8.85E-28	0.363227
0.741649	1.15E-82	0.706076	1.05E-71	0.685038	5.79E-66	0.442083	9.15E-24	0.426426
0.524157	2.58E-34	0.491474	9.06E-30	0.442136	9.03E-24	0.441173	1.16E-23	0.384339
0.560395	5.71E-40	0.751157	6.57E-86	0.680525	8.54E-65	0.410606	2.02E-20	0.51467

0.39311	1.04E-18	0.364501	4.04E-16	0.373875	6.11E-17	0.166164	0.00031	0.213762
0.521452	6.40E-34	0.272857	2.04E-09	0.368495	1.82E-16	0.352245	4.35E-15	0.225715
0.506426	8.67E-32	0.142907	0.00196	0.312311	5.04E-12	0.257079	1.74E-08	0.176965
0.359991	9.80E-16	0.399097	2.78E-19	0.416591	4.98E-21	0.27625	1.26E-09	0.41147
0.389056	2.52E-18	0.487815	2.73E-29	0.460474	6.90E-26	0.356403	1.96E-15	0.487754
0.380058	1.70E-17	0.337953	6.11E-14	0.241404	1.28E-07	0.316703	2.44E-12	0.426028
0.706209	9.65E-72	0.688956	5.38E-67	0.747771	9.74E-85	0.389171	2.45E-18	0.397658
0.507512	6.13E-32	0.383137	8.90E-18	0.381703	1.20E-17	0.361721	6.98E-16	0.386627
0.299262	4.07E-11	0.36148	7.32E-16	0.384006	7.40E-18	0.233261	3.44E-07	0.262665
-0.27855	9.07E-10	-0.25935	1.29E-08	-0.54096	7.50E-37	0.004466	0.92332	-0.03053
0.840796	#####	0.6573	4.24E-59	0.742066	8.32E-83	0.45479	3.23E-25	0.44061
0.351304	5.20E-15	0.138756	0.00266	0.303044	2.24E-11	0.123729	0.00743	0.058781
-0.33684	7.46E-14	-0.39174	1.41E-18	-0.35451	2.82E-15	-0.31379	3.95E-12	-0.26013
0.684071	1.04E-65	0.721685	2.65E-76	0.728149	2.66E-78	0.425787	5.46E-22	0.477967
-0.59117	2.39E-45	-0.49184	8.10E-30	-0.57332	3.68E-42	-0.33049	2.30E-13	-0.4045
-0.50749	6.18E-32	-0.4391	1.97E-23	-0.47087	3.81E-27	-0.21266	3.55E-06	-0.17614
0.36527	3.47E-16	0.39347	9.64E-19	0.4423	8.65E-24	0.218733	1.82E-06	0.031582
0.723872	5.66E-77	0.687294	1.48E-66	0.528872	5.17E-35	0.505079	1.33E-31	0.605265
0.788072	#####	0.683344	1.60E-65	0.69072	1.82E-67	0.385645	5.23E-18	0.438933
0.727009	6.04E-78	0.755021	2.87E-87	0.744453	1.31E-83	0.477173	6.27E-28	0.570422
0.450864	9.21E-25	0.414562	8.03E-21	0.52003	1.03E-33	0.235286	2.70E-07	0.169974
0.487371	3.12E-29	0.396628	4.81E-19	0.390411	1.88E-18	0.287811	2.33E-10	0.354897
0.566184	6.13E-41	0.663345	1.56E-60	0.671739	1.40E-62	0.490213	1.33E-29	0.707389
-0.3692	1.58E-16	-0.1685	0.00025	-0.22991	5.10E-07	-0.10862	0.01887	-0.12025
0.812306	#####	0.755386	2.13E-87	0.73314	6.94E-80	0.512262	1.33E-32	0.527907
-0.38611	4.73E-18	-0.28144	5.97E-10	-0.35179	4.74E-15	-0.16729	0.00028	-0.23592
-0.2722	2.23E-09	-0.33119	2.04E-13	-0.36038	9.08E-16	-0.28075	6.60E-10	-0.26451
0.397742	3.76E-19	0.316839	2.38E-12	0.58397	4.87E-44	0.068462	0.13961	0.117724
0.648494	4.54E-57	0.245046	8.17E-08	0.374824	5.03E-17	0.34122	3.38E-14	0.332456
0.527485	8.31E-35	0.214085	3.04E-06	0.263491	7.41E-09	0.323574	7.64E-13	0.355645
0.375301	4.56E-17	0.236698	2.28E-07	0.349226	7.68E-15	0.118597	0.01031	0.117709
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-0.51957	1.20E-33	-0.46021	7.41E-26	-0.5712	8.56E-42	-0.36746	2.24E-16	-0.38191
0.523586	3.12E-34	0.463628	2.90E-26	0.475311	1.07E-27	0.32217	9.71E-13	0.192335
0.656142	7.91E-59	0.386192	4.65E-18	0.461411	5.34E-26	0.395547	6.11E-19	0.163116
0.615467	5.05E-50	0.59056	3.09E-45	0.602246	1.98E-47	0.490441	1.24E-29	0.513079
0.636827	1.76E-54	0.695756	7.96E-69	0.652138	6.69E-58	0.45449	3.50E-25	0.624901
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0.382798	9.56E-18	0.463421	3.07E-26	0.481446	1.80E-28	0.358109	1.41E-15	0.456102
0.386541	4.32E-18	0.464031	2.59E-26	0.401968	1.46E-19	0.336014	8.66E-14	0.568126
0.738246	1.53E-81	0.691391	1.21E-67	0.662904	1.99E-60	0.506318	8.98E-32	0.554302
0.426612	4.46E-22	0.130712	0.00467	0.404398	8.42E-20	0.099429	0.03169	0.169872
0.611396	3.27E-49	0.515893	4.05E-33	0.701084	2.69E-70	0.304258	1.85E-11	0.304637
0.192911	2.70E-05	0.316984	2.33E-12	0.387922	3.21E-18	0.157023	0.00066	0.262515
0.402918	1.18E-19	0.523523	3.19E-34	0.523856	2.85E-34	0.218735	1.82E-06	0.296347

0.483796	9.03E-29	0.360508	8.86E-16	0.422662	1.17E-21	0.268892	3.54E-09	0.163286
0.604736	6.57E-48	0.3889	2.60E-18	0.398178	3.41E-19	0.404737	7.80E-20	0.294435
-0.4045	8.23E-20	-0.28803	2.26E-10	-0.40493	7.47E-20	-0.24225	1.16E-07	-0.32352
0.352525	4.12E-15	0.423303	9.98E-22	0.424611	7.27E-22	0.2063	6.97E-06	0.20116
0.580254	2.24E-43	0.659793	1.10E-59	0.716071	1.30E-74	0.385552	5.33E-18	0.413412
0.533503	1.04E-35	0.608759	1.08E-48	0.623547	1.14E-51	0.298034	4.92E-11	0.284793
0.706502	7.96E-72	0.669419	5.25E-62	0.621766	2.66E-51	0.400931	1.84E-19	0.430167
0.678469	2.86E-64	0.682141	3.28E-65	0.526426	1.19E-34	0.405653	6.33E-20	0.54905
0.715171	2.40E-74	0.704683	2.62E-71	0.662987	1.90E-60	0.533865	9.18E-36	0.451787
0.586481	1.71E-44	0.406013	5.83E-20	0.548571	4.76E-38	0.177126	0.00012	0.217285
0.490043	1.40E-29	0.202075	1.08E-05	0.308124	9.96E-12	0.257568	1.64E-08	0.077553
0.677535	4.95E-64	0.398374	3.26E-19	0.465191	1.88E-26	0.371006	1.10E-16	0.263885
0.748519	5.39E-85	0.723906	5.53E-77	0.743411	2.95E-83	0.46872	7.00E-27	0.535238
0.306716	1.25E-11	0.2272	6.99E-07	0.344038	2.02E-14	0.283878	4.18E-10	0.234255
0.542605	4.15E-37	0.26639	5.00E-09	0.46421	2.47E-26	0.155205	0.00076	0.116961
0.410057	2.30E-20	0.359857	1.01E-15	0.388302	2.96E-18	0.325019	5.96E-13	0.160004
0.565925	6.78E-41	0.535381	5.40E-36	0.53989	1.10E-36	0.425268	6.19E-22	0.508883
0.586848	1.47E-44	0.478674	4.06E-28	0.585051	3.11E-44	0.308066	1.01E-11	0.193228
0.427837	3.30E-22	0.347662	1.03E-14	0.380179	1.66E-17	0.154255	0.00082	0.315682
0.419024	2.79E-21	0.338088	5.97E-14	0.320597	1.27E-12	0.430713	1.62E-22	0.291889
0.580608	1.94E-43	0.413609	1.00E-20	0.543155	3.41E-37	0.365846	3.09E-16	0.225522
0.542606	4.15E-37	0.540264	9.60E-37	0.606411	3.11E-48	0.332595	1.59E-13	0.588449
0.651067	1.18E-57	0.603671	1.05E-47	0.631883	2.03E-53	0.429363	2.27E-22	0.442613
0.70949	1.10E-72	0.779835	1.20E-96	0.716189	1.20E-74	0.466419	1.33E-26	0.441313
0.532976	1.25E-35	0.666217	3.17E-61	0.671605	1.52E-62	0.314653	3.43E-12	0.320231
0.246138	7.13E-08	0.229147	5.57E-07	0.283071	4.70E-10	0.452373	6.16E-25	0.506721
0.647061	9.57E-57	0.66023	8.65E-60	0.717598	4.54E-75	0.327674	3.77E-13	0.300334
0.424006	8.42E-22	0.237811	1.99E-07	0.337685	6.42E-14	0.091139	0.04903	-0.18887
0.51364	8.47E-33	0.581056	1.62E-43	0.554688	4.94E-39	0.436927	3.42E-23	0.455863
0.585402	2.69E-44	0.573827	3.01E-42	0.600466	4.33E-47	0.289528	1.81E-10	0.228661
0.484931	6.45E-29	0.326189	4.87E-13	0.499884	6.82E-31	0.326092	4.96E-13	0.27085
0.627904	1.41E-52	0.727648	3.81E-78	0.622702	1.71E-51	0.458638	1.14E-25	0.470804
0.525149	1.84E-34	0.696292	5.68E-69	0.707266	4.81E-72	0.38156	1.24E-17	0.441515
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0.397771	3.73E-19	0.278867	8.66E-10	0.346886	1.19E-14	0.052738	0.25536	0.054598
0.74666	2.34E-84	0.781233	3.26E-97	0.642622	9.41E-56	0.501205	4.51E-31	0.551583
0.326356	4.74E-13	0.374957	4.89E-17	0.440362	1.42E-23	0.289375	1.85E-10	0.303344
0.419148	2.71E-21	0.156144	0.00071	0.206148	7.08E-06	0.099983	0.03075	0.067714
0.312753	4.69E-12	0.193512	2.55E-05	0.324962	6.02E-13	0.216024	2.46E-06	0.254833
0.16887	0.00025	0.24984	4.46E-08	0.347871	9.90E-15	0.034324	0.45931	0.08823
0.548439	5.00E-38	0.45194	6.92E-25	0.51587	4.08E-33	0.398511	3.17E-19	0.501327
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0.387128	3.81E-18	0.303564	2.07E-11	0.33627	8.27E-14	0.102071	0.02741	0.220514
0.666431	2.81E-61	0.51448	6.43E-33	0.668553	8.55E-62	0.294873	8.02E-11	0.360317
0.714548	3.67E-74	0.581096	1.59E-43	0.596448	2.49E-46	0.482428	1.35E-28	0.58805



0.500374	5.85E-31	0.442446	8.33E-24	0.508785	4.08E-32	0.161489	0.00046	0.240735
0.541352	6.51E-37	0.517375	2.48E-33	0.57638	1.08E-42	0.435885	4.45E-23	0.633334
0.507283	6.60E-32	0.479376	3.31E-28	0.561097	4.37E-40	0.216732	2.27E-06	0.316654
0.197175	1.77E-05	-0.00646	0.88932	0.172167	0.00019	0.117514	0.01104	0.151147
0.514165	7.13E-33	0.356253	2.02E-15	0.434545	6.23E-23	0.222711	1.17E-06	0.378166
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0.431998	1.18E-22	0.161507	0.00046	0.374552	5.32E-17	0.219633	1.65E-06	0.291042
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0.602812	1.54E-47	0.638068	9.44E-55	0.70722	4.96E-72	0.346831	1.20E-14	0.329464
0.375365	4.50E-17	0.318087	1.93E-12	0.142799	0.00198	0.259873	1.20E-08	0.195217
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0.554162	6.01E-39	0.617804	1.71E-50	0.677247	5.85E-64	0.265048	6.00E-09	0.404308
0.327975	3.58E-13	0.426518	4.56E-22	0.421222	1.65E-21	0.293843	9.39E-11	0.379111
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0.359052	1.18E-15	0.310626	6.64E-12	0.323669	7.52E-13	0.280514	6.83E-10	0.178879
0.387063	3.86E-18	0.259453	1.27E-08	0.198215	1.60E-05	0.343358	2.29E-14	0.179353
0.399523	2.53E-19	0.299041	4.21E-11	0.362272	6.27E-16	0.311248	6.00E-12	0.159718
0.472103	2.69E-27	0.378638	2.29E-17	0.42059	1.92E-21	0.293506	9.88E-11	0.245574
0.767919	5.35E-92	0.676311	1.01E-63	0.704148	3.71E-71	0.503841	1.97E-31	0.604146
0.438771	2.14E-23	0.500181	6.22E-31	0.436043	4.27E-23	0.208196	5.71E-06	0.246819
0.393434	9.71E-19	0.050249	0.27851	0.270902	2.68E-09	0.084833	0.067	0.07785
0.418618	3.08E-21	0.355533	2.32E-15	0.445405	3.87E-24	0.125424	0.00665	0.121155
-0.41946	2.51E-21	-0.44185	9.72E-24	-0.51415	7.17E-33	-0.28883	2.00E-10	-0.35931
0.444954	4.35E-24	0.417196	4.31E-21	0.51776	2.19E-33	0.233748	3.24E-07	0.453317
0.329002	2.99E-13	0.368639	1.77E-16	0.388175	3.04E-18	0.188238	4.25E-05	0.496044
0.741964	9.00E-83	0.594702	5.28E-46	0.577634	6.51E-43	0.386549	4.31E-18	0.370386
0.707188	5.07E-72	0.596964	1.99E-46	0.640411	2.89E-55	0.437916	2.66E-23	0.512585
0.338944	5.11E-14	0.320663	1.25E-12	0.374028	5.92E-17	0.076524	0.0986	0.137678
0.535261	5.63E-36	0.334153	1.21E-13	0.292785	1.10E-10	0.261743	9.38E-09	0.238103
0.792057	#####	0.747815	9.40E-85	0.830705	#####	0.464158	2.50E-26	0.541509
0.598378	1.08E-46	0.267736	4.15E-09	0.417128	4.38E-21	0.218953	1.78E-06	0.133904
-0.1979	1.65E-05	-0.30396	1.94E-11	-0.26786	4.08E-09	-0.27185	2.35E-09	-0.41423
0.551175	1.82E-38	0.291475	1.35E-10	0.429088	2.43E-22	0.289154	1.91E-10	0.352275
-0.39943	2.58E-19	-0.42075	1.85E-21	-0.50721	6.76E-32	-0.17981	9.34E-05	-0.22216
-0.42383	8.78E-22	-0.60253	1.75E-47	-0.64116	1.98E-55	-0.38622	4.62E-18	-0.54155
-0.26422	6.71E-09	-0.14598	0.00156	-0.43001	1.93E-22	0.022223	0.63193	0.019315
0.373359	6.79E-17	0.147693	0.00137	0.266749	4.76E-09	0.092574	0.04556	0.042471
0.398271	3.34E-19	0.289353	1.85E-10	0.252244	3.28E-08	0.161707	0.00045	0.364215
-0.30189	2.69E-11	-0.23206	3.96E-07	-0.43878	2.14E-23	-0.17305	0.00017	-0.16393
-0.45593	2.38E-25	-0.42447	7.52E-22	-0.50293	2.63E-31	-0.12847	0.00543	-0.17866
0.375153	4.70E-17	0.345407	1.57E-14	0.24527	7.95E-08	0.204404	8.49E-06	0.055043
0.55638	2.62E-39	0.553943	6.52E-39	0.661672	3.93E-60	0.370439	1.23E-16	0.418596
0.034859	0.45235	-0.07845	0.0904	-0.07838	0.09067	-0.05603	0.22685	-0.11115

0.637642	1.17E-54	0.47973	2.98E-28	0.552792	1.00E-38	0.35895	1.20E-15	0.385106
0.591989	1.68E-45	0.605468	4.74E-48	0.634637	5.22E-54	0.282658	5.00E-10	0.364382
0.525251	1.78E-34	0.306484	1.30E-11	0.508363	4.67E-32	0.247749	5.82E-08	0.276577
0.456464	2.06E-25	0.260446	1.12E-08	0.274368	1.65E-09	0.127579	0.00576	0.03987
0.556045	2.97E-39	0.446746	2.73E-24	0.49859	1.02E-30	0.292455	1.16E-10	0.125169
0.396224	5.26E-19	0.247412	6.07E-08	0.40259	1.27E-19	0.190363	3.46E-05	0.195917
-0.35421	2.99E-15	-0.28414	4.02E-10	-0.40853	3.27E-20	-0.16632	0.00031	-0.18764
0.363352	5.07E-16	0.435645	4.72E-23	0.462124	4.39E-26	0.363308	5.11E-16	0.533896
0.368503	1.82E-16	0.475986	8.83E-28	0.493366	5.09E-30	0.306844	1.22E-11	0.52163
0.205793	7.35E-06	0.215142	2.71E-06	0.272033	2.29E-09	0.111566	0.01586	0.188692
0.350243	6.35E-15	0.220549	1.49E-06	0.340408	3.92E-14	0.219733	1.63E-06	0.224217
0.401812	1.51E-19	0.376898	3.28E-17	0.473592	1.76E-27	0.368208	1.93E-16	0.284121
0.570981	9.33E-42	0.521778	5.74E-34	0.568778	2.22E-41	0.356475	1.94E-15	0.40138
0.484417	7.52E-29	0.636647	1.92E-54	0.656384	6.94E-59	0.353088	3.70E-15	0.345658
0.626811	2.39E-52	0.661427	4.49E-60	0.536888	3.18E-36	0.431076	1.48E-22	0.6534
0.68133	5.30E-65	0.470074	4.78E-27	0.578788	4.08E-43	0.320421	1.31E-12	0.297487
0.540726	8.14E-37	0.59163	1.96E-45	0.64125	1.89E-55	0.478806	3.90E-28	0.46058
0.413834	9.53E-21	0.454359	3.62E-25	0.480171	2.62E-28	0.40628	5.48E-20	0.453209
-0.42222	1.30E-21	-0.35336	3.52E-15	-0.60816	1.42E-48	-0.14704	0.00144	-0.11488
-0.47938	3.30E-28	-0.43939	1.82E-23	-0.67186	1.31E-62	-0.16172	0.00045	-0.15622
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0.333446	1.37E-13	0.335999	8.69E-14	0.388552	2.80E-18	0.073905	0.11071	0.136267
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0.330929	2.13E-13	0.310243	7.06E-12	0.345732	1.47E-14	0.123449	0.00757	0.073676
0.589024	5.91E-45	0.453486	4.58E-25	0.668301	9.85E-62	0.402022	1.44E-19	0.348015
0.585062	3.10E-44	0.48284	1.20E-28	0.556363	2.63E-39	0.382075	1.11E-17	0.479731
0.394811	7.18E-19	0.2376	2.04E-07	0.419179	2.69E-21	0.204653	8.27E-06	0.032902
0.470649	4.06E-27	0.448277	1.82E-24	0.443991	5.59E-24	0.288624	2.07E-10	0.325683
0.539631	1.20E-36	0.449166	1.44E-24	0.474674	1.29E-27	0.285304	3.39E-10	0.265489
0.344462	1.87E-14	0.325345	5.64E-13	0.438347	2.38E-23	0.163876	0.00038	0.357922
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0.549747	3.09E-38	0.391313	1.54E-18	0.531531	2.07E-35	0.310014	7.33E-12	0.177289
0.586467	1.73E-44	0.571312	8.19E-42	0.750685	9.59E-86	0.277402	1.07E-09	0.29514
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0.535389	5.38E-36	0.579674	2.84E-43	0.47461	1.31E-27	0.340772	3.67E-14	0.556447
0.707825	3.33E-72	0.605871	3.96E-48	0.697275	3.05E-69	0.320146	1.37E-12	0.366919
0.727199	5.27E-78	0.681245	5.58E-65	0.766365	2.06E-91	0.44626	3.09E-24	0.562698
0.355597	2.29E-15	0.524269	2.48E-34	0.541859	5.43E-37	0.304089	1.90E-11	0.571685
0.840851	#####	0.715505	1.91E-74	0.737924	1.95E-81	0.427258	3.81E-22	0.406708
0.80985	#####	0.702945	8.11E-71	0.701475	2.09E-70	0.499517	7.64E-31	0.427667
0.403909	9.41E-20	0.015269	0.74208	0.21488	2.79E-06	0.237537	2.06E-07	0.120634
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0.744569	1.20E-83	0.58913	5.65E-45	0.651864	7.73E-58	0.4601	7.65E-26	0.481173
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0.551446	1.65E-38	0.41019	2.23E-20	0.421319	1.61E-21	0.223867	1.02E-06	0.190221
0.644412	3.76E-56	0.564134	1.36E-40	0.550443	2.39E-38	0.364842	3.77E-16	0.602133
0.625844	3.81E-52	0.420901	1.78E-21	0.524318	2.44E-34	0.321722	1.05E-12	0.346168
0.317589	2.10E-12	0.30427	1.85E-11	0.311145	6.10E-12	0.329076	2.95E-13	0.326122
0.32965	2.67E-13	0.240278	1.47E-07	0.394573	7.57E-19	0.108842	0.01863	0.10458
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0.190976	3.26E-05	0.249139	4.88E-08	0.253995	2.61E-08	0.163238	0.0004	0.202358
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0.339111	4.96E-14	0.120359	0.00923	0.258456	1.45E-08	0.02451	0.59727	-0.09238
0.500205	6.17E-31	0.485925	4.80E-29	0.46426	2.43E-26	0.450323	1.06E-24	0.427963
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0.491926	7.90E-30	0.262813	8.12E-09	0.393892	8.79E-19	0.182246	7.46E-05	0.243718
0.51852	1.70E-33	0.196711	1.86E-05	0.244717	8.52E-08	0.199179	1.45E-05	-0.00077
0.486584	3.94E-29	0.216617	2.30E-06	0.302193	2.57E-11	0.238708	1.79E-07	0.179909
0.410316	2.17E-20	0.331671	1.87E-13	0.300515	3.34E-11	0.155244	0.00076	-0.04263
0.357153	1.70E-15	0.181079	8.31E-05	0.325151	5.83E-13	-0.06296	0.1744	-0.09158
0.566913	4.62E-41	0.426258	4.86E-22	0.468094	8.34E-27	0.29488	8.01E-11	0.37341
0.458349	1.23E-25	0.493898	4.33E-30	0.480226	2.58E-28	0.246005	7.25E-08	0.185943
0.429381	2.26E-22	0.376913	3.27E-17	0.390179	1.97E-18	0.138291	0.00275	0.236862
0.481996	1.54E-28	0.506921	7.41E-32	0.44664	2.80E-24	0.380986	1.40E-17	0.411528
0.462654	3.79E-26	0.329247	2.87E-13	0.440831	1.26E-23	0.290062	1.67E-10	0.364409
0.481549	1.75E-28	0.379063	2.09E-17	0.352163	4.42E-15	0.365092	3.59E-16	0.380001
-0.43309	8.97E-23	-0.45073	9.54E-25	-0.45003	1.15E-24	-0.34589	1.43E-14	-0.33914
0.419659	2.40E-21	0.427733	3.39E-22	0.506017	9.88E-32	0.117485	0.01106	0.093268
0.47276	2.23E-27	0.10575	0.02228	0.188539	4.13E-05	0.207647	6.05E-06	0.106712
0.279787	7.59E-10	0.098023	0.0342	0.160143	0.00051	0.0936	0.0432	0.007243
0.425341	6.08E-22	0.412225	1.39E-20	0.35698	1.76E-15	0.330383	2.35E-13	0.539576
0.410879	1.90E-20	0.299392	3.98E-11	0.380057	1.70E-17	0.200264	1.30E-05	0.345086
0.568283	2.70E-41	0.115677	0.01237	0.284901	3.59E-10	0.215231	2.68E-06	0.179988
0.318067	1.94E-12	0.252304	3.25E-08	0.395252	6.52E-19	0.110431	0.01697	0.102931
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0.791572	#####	0.695491	9.39E-69	0.69926	8.65E-70	0.373506	6.59E-17	0.391325
0.621932	2.46E-51	0.320366	1.32E-12	0.42961	2.13E-22	0.255186	2.24E-08	0.3099
0.307687	1.07E-11	0.335652	9.24E-14	0.286925	2.66E-10	0.313775	3.96E-12	0.374961

0.375775	4.14E-17	0.19548	2.10E-05	0.217256	2.15E-06	0.282472	5.13E-10	0.3588
0.317554	2.11E-12	0.263813	7.10E-09	0.345102	1.66E-14	0.214058	3.05E-06	0.182511
0.48067	2.27E-28	0.343553	2.21E-14	0.352608	4.06E-15	0.227449	6.79E-07	0.412909
0.49851	1.05E-30	0.24574	7.49E-08	0.409871	2.40E-20	0.111478	0.01595	-0.01009
0.317843	2.01E-12	0.243969	9.35E-08	0.297467	5.37E-11	0.272825	2.05E-09	0.016905
0.54897	4.11E-38	0.357836	1.49E-15	0.558585	1.14E-39	0.209891	4.77E-06	0.346856
0.580311	2.19E-43	0.372133	8.72E-17	0.475882	9.10E-28	0.269728	3.15E-09	0.457651
0.285107	3.49E-10	0.333878	1.27E-13	0.272993	2.00E-09	0.234837	2.85E-07	0.216518
0.402992	1.16E-19	0.340889	3.59E-14	0.296169	6.57E-11	0.168365	0.00026	0.083
0.469191	6.13E-27	0.282248	5.31E-10	0.273095	1.97E-09	0.097721	0.03476	0.062107
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0.695779	7.84E-69	0.482344	1.39E-28	0.5931	1.05E-45	0.332329	1.67E-13	0.311489
0.410036	2.31E-20	0.455372	2.76E-25	0.4648	2.09E-26	0.220217	1.55E-06	0.239036
0.60425	8.15E-48	0.614417	8.20E-50	0.680554	8.40E-65	0.33588	8.87E-14	0.36959
0.426013	5.16E-22	0.101494	0.0283	0.314394	3.58E-12	0.127065	0.00597	-0.06315
0.732473	1.14E-79	0.751677	4.32E-86	0.761272	1.60E-89	0.494848	3.24E-30	0.573678
0.526098	1.33E-34	0.205383	7.67E-06	0.248912	5.02E-08	0.366372	2.78E-16	0.221348
0.593774	7.86E-46	0.354092	3.06E-15	0.491537	8.89E-30	0.294998	7.86E-11	0.32524
0.487429	3.06E-29	0.272197	2.24E-09	0.484826	6.66E-29	0.125432	0.00665	0.118537
0.367019	2.45E-16	0.375365	4.50E-17	0.363329	5.09E-16	0.182917	7.01E-05	0.185652
0.724824	2.88E-77	0.577413	7.12E-43	0.699283	8.53E-70	0.406257	5.51E-20	0.463723
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0.451003	8.87E-25	0.148947	0.00125	0.282075	5.44E-10	0.13049	0.00474	-0.09235
0.486005	4.69E-29	0.382301	1.06E-17	0.308962	8.70E-12	0.228319	6.14E-07	0.214804
0.709327	1.23E-72	0.397234	4.20E-19	0.439758	1.66E-23	0.389841	2.12E-18	0.374151
0.566844	4.74E-41	0.417573	3.94E-21	0.549071	3.96E-38	0.25255	3.15E-08	0.279987
0.52783	7.39E-35	0.358363	1.34E-15	0.381427	1.28E-17	0.278183	9.56E-10	0.086824
0.37333	6.83E-17	0.25569	2.09E-08	0.356908	1.78E-15	0.144955	0.00169	0.248025
0.517255	2.58E-33	0.486671	3.84E-29	0.583485	5.95E-44	0.268934	3.52E-09	0.41036
0.56461	1.13E-40	0.59018	3.63E-45	0.67165	1.48E-62	0.328537	3.24E-13	0.442403
0.480832	2.16E-28	0.374943	4.91E-17	0.546037	1.20E-37	0.465859	1.56E-26	0.475252
-0.62928	7.23E-53	-0.46669	1.24E-26	-0.52002	1.03E-33	-0.34183	3.02E-14	-0.21155
0.594387	6.04E-46	0.495689	2.50E-30	0.480737	2.22E-28	0.36901	1.64E-16	0.312598
-0.38399	7.43E-18	-0.25904	1.35E-08	-0.50257	2.94E-31	0.011835	0.79866	0.066926
0.42434	7.76E-22	0.319618	1.50E-12	0.379922	1.75E-17	0.224102	9.97E-07	0.220325
0.78012	9.18E-97	0.813046	#####	0.75048	1.13E-85	0.524548	2.26E-34	0.642308
0.649093	3.32E-57	0.78252	9.76E-98	0.709672	9.77E-73	0.474605	1.31E-27	0.639051
0.524228	2.51E-34	0.537157	2.89E-36	0.577047	8.26E-43	0.325012	5.97E-13	0.152176
0.744652	1.12E-83	0.71165	2.60E-73	0.725867	1.37E-77	0.475965	8.89E-28	0.485448
-0.39794	3.60E-19	-0.32961	2.69E-13	-0.35325	3.59E-15	-0.25233	3.24E-08	-0.39474
0.720407	6.47E-76	0.563514	1.73E-40	0.592658	1.27E-45	0.409106	2.86E-20	0.386953
0.655313	1.23E-58	0.578711	4.21E-43	0.593665	8.24E-46	0.495343	2.78E-30	0.419243
0.381848	1.17E-17	0.404102	9.01E-20	0.483168	1.09E-28	0.040499	0.38256	0.128975
0.424976	6.65E-22	0.511527	1.68E-32	0.457579	1.52E-25	0.259774	1.22E-08	0.392394

-0.33422	1.19E-13	-0.36036	9.11E-16	-0.38899	2.55E-18	-0.22186	1.29E-06	-0.20173
0.468178	8.15E-27	0.487283	3.20E-29	0.555282	3.95E-39	0.123587	0.0075	0.198682
0.369337	1.54E-16	0.345496	1.54E-14	0.35241	4.21E-15	0.208151	5.74E-06	0.202622
-0.43073	1.62E-22	-0.52904	4.88E-35	-0.57987	2.62E-43	-0.33901	5.05E-14	-0.55099
-0.43901	2.01E-23	-0.28029	7.05E-10	-0.35705	1.73E-15	-0.33609	8.54E-14	-0.10921
0.687348	1.43E-66	0.684328	8.88E-66	0.803094	#####	0.461798	4.80E-26	0.538045
0.631076	3.02E-53	0.480036	2.73E-28	0.457275	1.65E-25	0.340821	3.64E-14	0.332183
0.662857	2.05E-60	0.754077	6.19E-87	0.732866	8.50E-80	0.403929	9.37E-20	0.425487
0.772353	1.07E-93	0.654233	2.20E-58	0.677674	4.56E-64	0.32167	1.06E-12	0.333899
0.402407	1.32E-19	0.390813	1.72E-18	0.433987	7.17E-23	0.326363	4.73E-13	0.217213
-0.46873	6.97E-27	-0.40518	7.05E-20	-0.42341	9.72E-22	-0.23826	1.89E-07	-0.13856
0.40094	1.84E-19	0.264117	6.81E-09	0.323859	7.28E-13	0.253232	2.88E-08	0.235584
0.308179	9.87E-12	0.313632	4.06E-12	0.299883	3.69E-11	0.1035	0.02531	0.168942
0.567044	4.39E-41	0.546561	9.92E-38	0.522313	4.79E-34	0.295702	7.06E-11	0.385745
0.377799	2.72E-17	0.416938	4.58E-21	0.524672	2.16E-34	0.272059	2.28E-09	0.5493
-0.12213	0.00824	-0.18279	7.09E-05	-0.17742	0.00012	-0.28209	5.43E-10	-0.23546
-0.33673	7.62E-14	-0.3497	7.03E-15	-0.49739	1.48E-30	-0.30572	1.47E-11	-0.29043
0.235586	2.60E-07	0.321744	1.04E-12	0.30389	1.96E-11	0.351235	5.26E-15	0.424457
0.500465	5.69E-31	0.298041	4.92E-11	0.329009	2.99E-13	0.199442	1.41E-05	-0.104
-0.36357	4.85E-16	-0.20883	5.34E-06	-0.28652	2.83E-10	-0.26633	5.04E-09	-0.25811
0.306904	1.21E-11	0.367068	2.42E-16	0.441703	1.01E-23	0.196892	1.82E-05	0.176258
-0.31403	3.80E-12	-0.37859	2.31E-17	-0.47815	4.73E-28	-0.32753	3.86E-13	-0.41935
0.760812	2.35E-89	0.670481	2.87E-62	0.689939	2.95E-67	0.466388	1.35E-26	0.435558
0.598018	1.26E-46	0.380672	1.50E-17	0.42302	1.07E-21	0.259513	1.26E-08	0.156699
0.441177	1.16E-23	0.260703	1.08E-08	0.247797	5.78E-08	0.327822	3.67E-13	0.422985
-0.45399	4.00E-25	-0.30551	1.52E-11	-0.26913	3.43E-09	-0.31548	2.99E-12	-0.35183
0.35537	2.39E-15	0.184836	5.86E-05	0.279319	8.12E-10	0.293837	9.40E-11	0.469326
0.642666	9.20E-56	0.247034	6.37E-08	0.357079	1.72E-15	0.379227	2.02E-17	0.457509
0.738648	1.13E-81	0.785363	6.61E-99	0.749589	2.30E-85	0.56943	1.72E-41	0.675815
0.555656	3.43E-39	0.549588	3.28E-38	0.58936	5.13E-45	0.437621	2.86E-23	0.649173
-0.2958	6.95E-11	-0.12809	0.00557	-0.41708	4.43E-21	0.00277	0.9524	0.066176
-0.31004	7.30E-12	-0.18905	3.93E-05	-0.31467	3.42E-12	-0.00026	0.99558	-0.04764
0.735828	9.43E-81	0.77017	7.44E-93	0.738992	8.70E-82	0.509949	2.80E-32	0.575949
0.622469	1.91E-51	0.626261	3.12E-52	0.663607	1.35E-60	0.414935	7.36E-21	0.424671
0.551087	1.88E-38	0.373753	6.27E-17	0.384818	6.23E-18	0.205623	7.48E-06	0.169475
0.451496	7.78E-25	0.193468	2.56E-05	0.288337	2.16E-10	0.175449	0.00014	0.164525
0.647159	9.10E-57	0.222029	1.26E-06	0.318001	1.96E-12	0.351253	5.25E-15	0.204905
-0.08389	0.07011	-0.15839	0.00059	-0.39542	6.28E-19	-0.03877	0.40316	-0.01128
0.495258	2.85E-30	0.27319	1.94E-09	0.370929	1.11E-16	0.242585	1.11E-07	0.330851
0.282407	5.18E-10	0.188225	4.25E-05	0.276678	1.19E-09	0.265831	5.39E-09	0.346322
0.30531	1.56E-11	0.313096	4.43E-12	0.380527	1.54E-17	0.326478	4.64E-13	0.216208
0.531424	2.14E-35	0.435224	5.25E-23	0.541571	6.02E-37	0.38582	5.04E-18	0.462407
0.416833	4.70E-21	0.314467	3.53E-12	0.41131	1.72E-20	0.190016	3.58E-05	0.41769
0.710423	5.92E-73	0.606876	2.53E-48	0.629198	7.54E-53	0.407511	4.14E-20	0.41446
0.1751	0.00014	0.220066	1.57E-06	0.294029	9.12E-11	-0.03958	0.39349	-0.12821

0.441374	1.10E-23	0.163932	0.00037	0.408497	3.30E-20	0.101495	0.0283	0.241821
0.44355	6.26E-24	0.442264	8.73E-24	0.531791	1.89E-35	0.143084	0.00194	0.093422
0.497069	1.63E-30	0.426438	4.65E-22	0.451289	8.23E-25	0.437053	3.31E-23	0.549449
0.519076	1.41E-33	0.640718	2.48E-55	0.667701	1.38E-61	0.337103	7.13E-14	0.537591
0.510546	2.31E-32	0.497105	1.62E-30	0.525447	1.66E-34	0.325253	5.73E-13	0.446223
0.611239	3.52E-49	0.323343	7.95E-13	0.463591	2.93E-26	0.300809	3.19E-11	0.30527
-0.4676	9.58E-27	-0.3734	6.74E-17	-0.48422	7.97E-29	-0.16686	0.00029	-0.23057
0.575855	1.33E-42	0.407045	4.60E-20	0.432456	1.05E-22	0.313684	4.02E-12	0.314026
0.365063	3.61E-16	0.326207	4.86E-13	0.330568	2.27E-13	0.218417	1.89E-06	0.194769
-0.23783	1.99E-07	-0.3414	3.27E-14	-0.34253	2.66E-14	-0.33107	2.08E-13	-0.28905
0.594048	6.99E-46	0.294323	8.72E-11	0.431763	1.25E-22	0.16317	0.0004	0.214885
0.444944	4.36E-24	0.466037	1.48E-26	0.478283	4.54E-28	0.234158	3.09E-07	0.323407
0.482187	1.45E-28	0.291323	1.38E-10	0.473572	1.77E-27	0.23952	1.62E-07	0.119831
0.3946	7.52E-19	0.037186	0.42271	0.063068	0.17364	0.130331	0.00479	0.120625
0.482212	1.44E-28	0.386211	4.63E-18	0.420375	2.02E-21	0.469547	5.54E-27	0.21243
0.548005	5.86E-38	0.487791	2.75E-29	0.409041	2.91E-20	0.407683	3.98E-20	0.558432
0.504193	1.76E-31	0.403805	9.63E-20	0.423909	8.62E-22	0.36387	4.57E-16	0.272825
0.435429	4.99E-23	0.227734	6.57E-07	0.345671	1.49E-14	0.266153	5.16E-09	0.313355
0.629292	7.20E-53	0.420497	1.96E-21	0.433786	7.54E-23	0.380073	1.69E-17	0.324197
0.719495	1.22E-75	0.666388	2.88E-61	0.691658	1.02E-67	0.439228	1.90E-23	0.471664
0.365855	3.09E-16	0.352968	3.79E-15	0.341324	3.32E-14	0.141613	0.00216	0.106659
0.730296	5.60E-79	0.460046	7.76E-26	0.512629	1.18E-32	0.444475	4.93E-24	0.349326
0.669069	6.39E-62	0.499924	6.73E-31	0.663299	1.60E-60	0.416227	5.43E-21	0.371566
-0.39596	5.57E-19	-0.26706	4.55E-09	-0.4608	6.31E-26	0.003327	0.94284	0.136153
-0.41193	1.49E-20	-0.32291	8.56E-13	-0.37846	2.37E-17	-0.19936	1.42E-05	0.09792
0.508304	4.76E-32	0.519211	1.35E-33	0.531189	2.33E-35	0.229651	5.26E-07	0.37635
0.47044	4.31E-27	0.246639	6.69E-08	0.262115	8.92E-09	0.225796	8.21E-07	0.067728
-0.4643	2.41E-26	-0.41196	1.48E-20	-0.67099	2.15E-62	-0.16959	0.00023	-0.19286
0.472732	2.25E-27	0.537781	2.32E-36	0.374161	5.76E-17	0.408571	3.24E-20	0.53561
0.527947	7.10E-35	0.606348	3.20E-48	0.535158	5.84E-36	0.409279	2.75E-20	0.48017
0.596223	2.74E-46	0.617059	2.42E-50	0.632176	1.76E-53	0.380187	1.65E-17	0.529329
-0.32144	1.10E-12	-0.33612	8.50E-14	-0.34861	8.63E-15	-0.08664	0.06137	-0.15025
0.558697	1.09E-39	0.537215	2.83E-36	0.604953	5.96E-48	0.35617	2.05E-15	0.44688
0.393084	1.05E-18	0.467836	8.97E-27	0.54191	5.33E-37	0.279579	7.82E-10	0.385157
0.47888	3.82E-28	0.589576	4.68E-45	0.591805	1.82E-45	0.35878	1.24E-15	0.484143
0.699459	7.62E-70	0.72583	1.41E-77	0.749588	2.30E-85	0.446744	2.73E-24	0.450654
0.38087	1.43E-17	0.322214	9.63E-13	0.3961	5.40E-19	0.195409	2.11E-05	0.37767
0.459675	8.59E-26	0.253713	2.71E-08	0.354039	3.09E-15	0.20145	1.15E-05	0.313217
0.518164	1.91E-33	0.617116	2.35E-50	0.602647	1.66E-47	0.457435	1.58E-25	0.727099
-0.20049	1.27E-05	-0.201	1.20E-05	-0.20269	1.01E-05	-0.04059	0.38147	-0.0367
0.568147	2.85E-41	0.486793	3.71E-29	0.498647	1.00E-30	0.46086	6.21E-26	0.328087
0.611773	2.76E-49	0.599082	7.93E-47	0.563736	1.58E-40	0.33286	1.52E-13	0.329459
-0.42203	1.36E-21	-0.39526	6.51E-19	-0.40499	7.35E-20	-0.2201	1.57E-06	-0.37726
0.318403	1.83E-12	0.389583	2.24E-18	0.304598	1.75E-11	0.219167	1.74E-06	0.319963
0.350166	6.44E-15	0.264466	6.49E-09	0.227847	6.48E-07	0.263154	7.76E-09	0.245552

-0.27123	2.56E-09	-0.39567	5.94E-19	-0.41375	9.71E-21	-0.26056	1.10E-08	-0.2184
0.447913	2.01E-24	0.509382	3.36E-32	0.610317	5.35E-49	0.322763	8.77E-13	0.395192
0.290344	1.60E-10	0.128465	0.00543	0.420625	1.90E-21	-0.00245	0.95797	-0.00167
0.345434	1.56E-14	0.088969	0.05469	0.233609	3.30E-07	0.212059	3.78E-06	0.194505
0.260077	1.17E-08	0.056724	0.22113	0.144051	0.0018	0.182554	7.25E-05	0.289881
0.561689	3.48E-40	0.583571	5.74E-44	0.670306	3.17E-62	0.327422	3.94E-13	0.260434
-0.23918	1.69E-07	-0.04085	0.37849	-0.22045	1.51E-06	-0.10122	0.02874	-0.04157
0.794904	#####	0.779542	1.57E-96	0.784841	1.09E-98	0.45676	1.90E-25	0.474039
0.412642	1.26E-20	0.343166	2.37E-14	0.44236	8.52E-24	0.285277	3.40E-10	0.41845
0.23501	2.79E-07	0.218597	1.85E-06	0.252584	3.13E-08	0.307109	1.17E-11	0.468139
0.55022	2.60E-38	0.269188	3.40E-09	0.487458	3.04E-29	0.201409	1.16E-05	0.069603
0.345778	1.46E-14	0.050003	0.28087	0.228318	6.14E-07	0.161147	0.00047	0.032637
0.465955	1.52E-26	0.475834	9.23E-28	0.462986	3.46E-26	0.201817	1.11E-05	0.251015
0.518402	1.77E-33	0.265974	5.29E-09	0.26541	5.71E-09	0.368159	1.95E-16	0.446404
0.292302	1.19E-10	0.282792	4.90E-10	0.300799	3.20E-11	0.244332	8.93E-08	0.174737
0.417901	3.65E-21	0.204151	8.71E-06	0.094637	0.04093	0.283213	4.61E-10	0.412054
0.281785	5.68E-10	0.028151	0.54396	0.246549	6.77E-08	0.045411	0.32747	-0.09247
0.493075	5.57E-30	0.361329	7.54E-16	0.448557	1.69E-24	0.256456	1.89E-08	0.339832
0.558049	1.39E-39	0.552062	1.31E-38	0.521747	5.80E-34	0.363475	4.94E-16	0.440891
0.367574	2.19E-16	0.417357	4.15E-21	0.413574	1.01E-20	0.15546	0.00075	0.019071
0.331216	2.03E-13	0.34866	8.55E-15	0.356463	1.94E-15	0.283175	4.63E-10	0.376062
0.740622	2.52E-82	0.77622	3.30E-95	0.779293	1.97E-96	0.455866	2.42E-25	0.468094
0.549213	3.76E-38	0.303045	2.24E-11	0.347157	1.13E-14	0.160284	0.00051	0.058525
0.426995	4.06E-22	0.318502	1.80E-12	0.295248	7.57E-11	0.407259	4.38E-20	0.302495
-0.24028	1.47E-07	-0.09076	0.04998	-0.34244	2.70E-14	-0.0631	0.17342	-0.00564
-0.44486	4.46E-24	-0.35666	1.87E-15	-0.48022	2.58E-28	-0.27517	1.47E-09	-0.23086
0.765075	6.27E-91	0.557041	2.04E-39	0.737544	2.60E-81	0.339818	4.36E-14	0.313712
0.656049	8.31E-59	0.702041	1.45E-70	0.679013	2.08E-64	0.433414	8.28E-23	0.509436
-0.24184	1.22E-07	-0.27022	2.95E-09	-0.27631	1.25E-09	-0.25775	1.60E-08	-0.44417
0.619865	6.51E-51	0.451474	7.83E-25	0.580993	1.66E-43	0.318413	1.83E-12	0.344043
0.499173	8.51E-31	0.402082	1.42E-19	0.301238	2.98E-11	0.344552	1.83E-14	0.334928
0.700282	4.50E-70	0.522182	5.01E-34	0.637678	1.15E-54	0.341922	2.97E-14	0.372248
0.610257	5.49E-49	0.542161	4.87E-37	0.51973	1.14E-33	0.271857	2.34E-09	0.375027
0.431955	1.19E-22	0.166962	0.00029	0.238616	1.81E-07	0.275634	1.38E-09	0.177383
0.396979	4.45E-19	0.286329	2.91E-10	0.347591	1.04E-14	0.216099	2.44E-06	0.151052
0.26785	4.09E-09	0.365653	3.21E-16	0.309325	8.20E-12	0.22671	7.39E-07	0.242137
0.673397	5.43E-63	0.458774	1.10E-25	0.648596	4.30E-57	0.276011	1.30E-09	0.2071
0.662802	2.11E-60	0.619831	6.61E-51	0.598136	1.20E-46	0.386839	4.05E-18	0.550798
0.66314	1.75E-60	0.654676	1.73E-58	0.624577	6.98E-52	0.437818	2.73E-23	0.428964
-0.5535	7.70E-39	-0.41319	1.11E-20	-0.40061	1.98E-19	-0.28217	5.36E-10	-0.27649
0.432319	1.09E-22	0.404977	7.38E-20	0.433849	7.42E-23	0.417937	3.62E-21	0.482944
0.541956	5.24E-37	0.691115	1.43E-67	0.630712	3.61E-53	0.335551	9.41E-14	0.479645
0.546388	1.06E-37	0.387285	3.68E-18	0.335694	9.17E-14	0.394251	8.12E-19	0.576098
0.471791	2.94E-27	0.198654	1.53E-05	0.310327	6.97E-12	0.053525	0.24833	0.040449
0.56934	1.78E-41	0.43881	2.12E-23	0.483962	8.60E-29	0.30143	2.89E-11	0.457006

0.421086	1.70E-21	0.239825	1.56E-07	0.253849	2.66E-08	0.193174	2.63E-05	0.146247
0.472194	2.62E-27	0.250885	3.90E-08	0.288846	2.00E-10	0.134198	0.00367	-0.06369
0.579584	2.95E-43	0.597768	1.40E-46	0.615684	4.57E-50	0.420349	2.03E-21	0.604919
0.395722	5.88E-19	0.325077	5.90E-13	0.336935	7.34E-14	0.254501	2.44E-08	0.107143
0.626646	2.59E-52	0.315522	2.97E-12	0.462551	3.90E-26	0.129021	0.00523	0.087151
-0.57471	2.11E-42	-0.50236	3.14E-31	-0.61886	1.04E-50	-0.26644	4.96E-09	-0.12095
0.355905	2.16E-15	0.194897	2.22E-05	0.325442	5.54E-13	0.308394	9.54E-12	0.224393
0.472798	2.20E-27	0.484783	6.74E-29	0.469046	6.38E-27	0.243516	9.89E-08	0.373359
-0.58707	1.34E-44	-0.43433	6.57E-23	-0.50081	5.10E-31	-0.31559	2.93E-12	-0.40553
-0.49695	1.70E-30	-0.26675	4.76E-09	-0.33953	4.60E-14	-0.20725	6.31E-06	-0.22137
-0.45173	7.32E-25	-0.52907	4.83E-35	-0.65163	8.76E-58	-0.16678	0.00029	-0.2275
0.373507	6.59E-17	0.177389	0.00012	0.258951	1.36E-08	0.156793	0.00067	0.151785
0.338709	5.33E-14	0.160581	0.00049	0.267339	4.39E-09	0.494334	3.79E-30	0.361372
-0.23166	4.16E-07	-0.32536	5.63E-13	-0.3587	1.26E-15	-0.28764	2.40E-10	-0.36651
0.463852	2.72E-26	0.386901	4.00E-18	0.384171	7.15E-18	0.313224	4.34E-12	0.45123
0.758403	1.76E-88	0.660518	7.39E-60	0.730358	5.35E-79	0.496878	1.73E-30	0.549646
0.315101	3.18E-12	0.22807	6.32E-07	0.301876	2.70E-11	0.198239	1.59E-05	0.251518
0.735964	8.51E-81	0.648588	4.32E-57	0.626583	2.67E-52	0.455269	2.84E-25	0.480736
0.394802	7.20E-19	0.300959	3.12E-11	0.393702	9.16E-19	0.114074	0.01364	0.229707
0.660189	8.84E-60	0.495561	2.60E-30	0.780002	1.02E-96	0.211108	4.19E-06	0.229699
-0.19197	2.96E-05	-0.124	0.0073	-0.40504	7.28E-20	0.019991	0.66655	-0.02547
0.459137	9.95E-26	0.370112	1.31E-16	0.46767	9.40E-27	0.660085	9.35E-60	0.282961
0.34626	1.34E-14	0.32454	6.47E-13	0.27902	8.47E-10	0.310849	6.40E-12	0.50484
0.7359	8.93E-81	0.712237	1.75E-73	0.696613	4.64E-69	0.483672	9.37E-29	0.525286
0.714851	2.98E-74	0.501536	4.07E-31	0.716482	9.78E-75	0.306479	1.30E-11	0.245928
0.36562	3.23E-16	0.429261	2.32E-22	0.378913	2.16E-17	0.283447	4.45E-10	0.287613
0.367198	2.36E-16	0.335713	9.14E-14	0.289951	1.69E-10	0.230796	4.60E-07	0.308903
0.633243	1.04E-53	0.597004	1.96E-46	0.524043	2.68E-34	0.508208	4.91E-32	0.508969
0.702263	1.26E-70	0.66748	1.56E-61	0.781652	2.20E-97	0.402503	1.29E-19	0.441427
0.627161	2.02E-52	0.546005	1.21E-37	0.487535	2.97E-29	0.397863	3.66E-19	0.452494
0.288843	2.00E-10	0.263914	7.00E-09	0.332528	1.61E-13	0.10171	0.02797	-0.07628
0.549638	3.22E-38	0.455203	2.89E-25	0.38522	5.72E-18	0.364226	4.26E-16	0.525416
0.315818	2.82E-12	0.276216	1.27E-09	0.35071	5.81E-15	0.232681	3.68E-07	0.201393
0.372308	8.41E-17	0.15813	0.0006	0.287918	2.30E-10	0.191626	3.06E-05	0.101678
-0.36035	9.14E-16	-0.27763	1.04E-09	-0.36909	1.61E-16	-0.31628	2.61E-12	-0.30324
0.489377	1.71E-29	0.218518	1.87E-06	0.460107	7.63E-26	0.187559	4.53E-05	0.128153
0.697702	2.33E-69	0.623036	1.46E-51	0.570446	1.15E-41	0.375463	4.41E-17	0.380264
0.729217	1.23E-78	0.671178	1.93E-62	0.605279	5.16E-48	0.511511	1.69E-32	0.461151
0.648749	3.97E-57	0.549086	3.94E-38	0.799005	#####	0.31381	3.94E-12	0.278774
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0.548519	4.85E-38	0.344382	1.89E-14	0.49582	2.40E-30	0.317668	2.07E-12	0.385161
0.684882	6.36E-66	0.518109	1.95E-33	0.635582	3.27E-54	0.367819	2.08E-16	0.351586
0.533661	9.85E-36	0.192765	2.74E-05	0.39154	1.47E-18	0.291073	1.43E-10	0.252196
0.441908	9.57E-24	0.293785	9.47E-11	0.34295	2.46E-14	0.372635	7.87E-17	0.398503
0.353886	3.18E-15	0.160923	0.00048	0.29079	1.49E-10	0.261553	9.62E-09	0.133961



0.344313	1.92E-14	0.249885	4.43E-08	0.437334	3.08E-23	0.071937	0.12056	-0.04043
0.424568	7.34E-22	0.064015	0.16725	0.197777	1.67E-05	0.147874	0.00135	0.116376
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0.719885	9.32E-76	0.489178	1.81E-29	0.468476	7.49E-27	0.474011	1.56E-27	0.462892
0.552039	1.32E-38	0.54539	1.52E-37	0.455313	2.80E-25	0.402751	1.22E-19	0.309996
0.431088	1.48E-22	0.265316	5.79E-09	0.39088	1.70E-18	0.096903	0.03631	-0.02283
0.354361	2.91E-15	0.330291	2.39E-13	0.441922	9.54E-24	0.306648	1.26E-11	0.401157
0.534312	7.85E-36	0.528859	5.19E-35	0.514323	6.77E-33	0.443261	6.75E-24	0.499651
0.65988	1.05E-59	0.611151	3.66E-49	0.665661	4.32E-61	0.364886	3.74E-16	0.464125
0.788954	#####	0.775237	8.06E-95	0.699881	5.82E-70	0.490262	1.31E-29	0.608817
0.539776	1.14E-36	0.36658	2.67E-16	0.42405	8.33E-22	0.20543	7.63E-06	0.433705
0.527794	7.48E-35	0.58401	4.79E-44	0.605437	4.81E-48	0.279454	7.96E-10	0.256487
0.64593	1.72E-56	0.6282	1.22E-52	0.603374	1.20E-47	0.418355	3.27E-21	0.502285
0.728641	1.86E-78	0.571885	6.52E-42	0.687063	1.71E-66	0.427041	4.01E-22	0.403141
0.735854	9.25E-81	0.488978	1.93E-29	0.5713	8.22E-42	0.448151	1.89E-24	0.437877
0.212421	3.64E-06	0.15574	0.00073	0.224658	9.36E-07	0.05126	0.26894	0.109971
0.396726	4.71E-19	0.450998	8.89E-25	0.54903	4.02E-38	0.173944	0.00016	0.196673
0.470346	4.42E-27	0.281782	5.68E-10	0.258793	1.39E-08	0.301114	3.04E-11	0.477226
0.539055	1.48E-36	0.485151	6.05E-29	0.391733	1.41E-18	0.490305	1.29E-29	0.514881
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0.42919	2.37E-22	0.385212	5.73E-18	0.356263	2.02E-15	0.319595	1.50E-12	0.441851
0.384478	6.70E-18	0.301065	3.07E-11	0.26969	3.17E-09	0.223599	1.06E-06	0.149017
0.60325	1.27E-47	0.643882	4.94E-56	0.727272	5.00E-78	0.341915	2.98E-14	0.406671
0.78279	7.57E-98	0.628442	1.09E-52	0.675355	1.76E-63	0.443332	6.63E-24	0.37015
0.377446	2.93E-17	0.311197	6.05E-12	0.305955	1.41E-11	0.29757	5.29E-11	0.374835
0.548307	5.24E-38	0.303292	2.16E-11	0.4522	6.45E-25	0.374968	4.88E-17	0.348018
0.455871	2.41E-25	0.531233	2.29E-35	0.565796	7.13E-41	0.345661	1.49E-14	0.340185
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0.467912	8.78E-27	0.400009	2.27E-19	0.334231	1.19E-13	0.243656	9.72E-08	0.146945
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0.626492	2.79E-52	0.564153	1.35E-40	0.574908	1.95E-42	0.451846	7.09E-25	0.44695
0.608662	1.13E-48	0.578583	4.43E-43	0.654196	2.24E-58	0.331519	1.92E-13	0.384297
0.402744	1.22E-19	0.214074	3.04E-06	0.335342	9.77E-14	0.216	2.46E-06	0.081719
0.494437	3.67E-30	0.225702	8.30E-07	0.317621	2.09E-12	0.228817	5.79E-07	0.359633
0.29987	3.70E-11	0.267762	4.14E-09	0.2757	1.36E-09	0.231489	4.24E-07	0.366547
0.398353	3.28E-19	0.187722	4.46E-05	0.414267	8.61E-21	0.074988	0.10557	-0.0543
0.354322	2.93E-15	0.483667	9.38E-29	0.458435	1.20E-25	0.286086	3.02E-10	0.38735
0.809857	#####	0.800703	#####	0.764035	1.53E-90	0.44465	4.71E-24	0.532433
0.329815	2.59E-13	0.21945	1.68E-06	0.333635	1.32E-13	0.205226	7.79E-06	0.128725
0.656047	8.32E-59	0.657401	4.02E-59	0.669507	4.99E-62	0.35696	1.76E-15	0.33683
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-0.28128	6.11E-10	-0.28436	3.89E-10	-0.28701	2.63E-10	-0.24248	1.12E-07	-0.42013
0.39868	3.05E-19	0.347779	1.01E-14	0.383666	7.96E-18	0.105127	0.02308	0.109817
0.460451	6.95E-26	0.4667	1.23E-26	0.526298	1.25E-34	0.187497	4.56E-05	0.189124

0.497407	1.47E-30	0.227641	6.64E-07	0.326419	4.68E-13	0.177757	0.00011	-0.05799
0.221619	1.32E-06	0.025409	0.58389	0.347566	1.05E-14	-0.03387	0.46525	-0.155
0.666999	2.05E-61	0.578468	4.64E-43	0.608358	1.30E-48	0.482653	1.27E-28	0.477065
0.706165	9.94E-72	0.555632	3.46E-39	0.64017	3.27E-55	0.422965	1.08E-21	0.544616
0.437953	2.63E-23	0.32879	3.10E-13	0.327674	3.77E-13	0.185061	5.74E-05	0.182748
0.713437	7.79E-74	0.661793	3.67E-60	0.683954	1.11E-65	0.345826	1.45E-14	0.277704
0.514388	6.63E-33	0.395135	6.69E-19	0.44232	8.61E-24	0.439838	1.63E-23	0.380533
0.339141	4.93E-14	0.282003	5.50E-10	0.280462	6.88E-10	0.165628	0.00032	0.064629
0.622697	1.71E-51	0.478128	4.75E-28	0.530199	3.27E-35	0.393743	9.08E-19	0.573853
-0.33625	8.30E-14	-0.46107	5.87E-26	-0.67013	3.50E-62	-0.12653	0.00618	-0.21225
0.428691	2.68E-22	0.166605	0.0003	0.291288	1.38E-10	0.088374	0.05634	-0.10173
0.491621	8.66E-30	0.632753	1.32E-53	0.634151	6.64E-54	0.260478	1.11E-08	0.248646
0.44317	6.91E-24	0.397496	3.97E-19	0.436754	3.57E-23	0.158285	0.0006	0.136219
0.589168	5.56E-45	0.579106	3.58E-43	0.667624	1.44E-61	0.449515	1.32E-24	0.505972
0.399977	2.28E-19	0.294801	8.11E-11	0.454481	3.51E-25	0.101513	0.02827	-0.01339
0.630287	4.44E-53	0.556862	2.18E-39	0.615825	4.28E-50	0.376139	3.84E-17	0.306906
0.543606	2.90E-37	0.191982	2.96E-05	0.344386	1.89E-14	0.158592	0.00058	0.081197
-0.475	1.17E-27	-0.34597	1.41E-14	-0.47659	7.41E-28	-0.2385	1.83E-07	-0.13745
0.476224	8.25E-28	0.319144	1.62E-12	0.385732	5.13E-18	0.125015	0.00683	0.075309
-0.37377	6.24E-17	-0.26581	5.41E-09	-0.41293	1.18E-20	-0.17318	0.00017	-0.13405
0.595442	3.84E-46	0.394295	8.04E-19	0.489311	1.74E-29	0.408996	2.94E-20	0.358807
0.82049	#####	0.772333	1.09E-93	0.818046	#####	0.446578	2.85E-24	0.541951
-0.39642	5.03E-19	-0.29513	7.71E-11	-0.41122	1.75E-20	-0.20022	1.30E-05	-0.20156
0.458181	1.29E-25	0.213972	3.08E-06	0.273644	1.82E-09	0.281336	6.06E-10	0.157299
0.356233	2.03E-15	0.303169	2.20E-11	0.277783	1.01E-09	0.288569	2.08E-10	0.243157
0.468865	6.72E-27	0.491813	8.17E-30	0.566145	6.22E-41	0.218139	1.95E-06	0.281792
0.511175	1.89E-32	0.374129	5.80E-17	0.283807	4.22E-10	0.384819	6.23E-18	0.214857
0.417743	3.79E-21	0.376728	3.40E-17	0.424086	8.25E-22	0.129996	0.0049	0.310161
0.764175	1.36E-90	0.710242	6.68E-73	0.766091	2.61E-91	0.387635	3.41E-18	0.333177
-0.24294	1.06E-07	-0.04117	0.37473	-0.38661	4.25E-18	0.075813	0.10178	0.226689
0.436938	3.41E-23	0.152663	0.00093	0.314943	3.27E-12	0.304545	1.77E-11	0.062499
0.556786	2.24E-39	0.519153	1.38E-33	0.526772	1.06E-34	0.221525	1.33E-06	0.194743
0.426488	4.60E-22	0.392977	1.07E-18	0.495137	2.96E-30	0.071266	0.12407	0.061032
0.314367	3.59E-12	0.471442	3.24E-27	0.271812	2.36E-09	0.286971	2.65E-10	0.427773
0.589962	3.98E-45	0.673047	6.64E-63	0.566225	6.03E-41	0.407498	4.15E-20	0.474404
0.114661	0.01316	0.455636	2.57E-25	0.268404	3.79E-09	0.249003	4.96E-08	0.457006
0.630574	3.86E-53	0.717172	6.09E-75	0.632337	1.63E-53	0.414676	7.82E-21	0.317646
0.263095	7.82E-09	0.503295	2.34E-31	0.434282	6.66E-23	0.208424	5.57E-06	0.268745
0.428595	2.74E-22	0.640953	2.20E-55	0.602411	1.84E-47	0.255454	2.16E-08	0.253407
0.439184	1.92E-23	0.601752	2.46E-47	0.415686	6.16E-21	0.375503	4.38E-17	0.513288
0.62804	1.32E-52	0.799911	#####	0.684408	8.46E-66	0.390699	1.76E-18	0.50554
0.228308	6.15E-07	0.417286	4.22E-21	0.369021	1.64E-16	0.220541	1.49E-06	0.36479
-0.34394	2.05E-14	-0.5673	3.96E-41	-0.41867	3.04E-21	-0.34628	1.33E-14	-0.50907
-0.07727	0.09534	-0.41871	3.01E-21	-0.22703	7.12E-07	-0.15617	0.00071	-0.20377
0.265243	5.84E-09	0.400883	1.86E-19	0.370379	1.24E-16	0.266796	4.73E-09	0.332355

0.227917	6.43E-07	0.430949	1.53E-22	0.294844	8.05E-11	0.318723	1.74E-12	0.456677
-0.3423	2.78E-14	-0.41291	1.18E-20	-0.32373	7.44E-13	-0.37228	8.47E-17	-0.29396
0.522041	5.25E-34	0.664478	8.35E-61	0.52671	1.08E-34	0.34493	1.71E-14	0.376689
0.478396	4.40E-28	0.538348	1.90E-36	0.55888	1.02E-39	0.200217	1.30E-05	0.124741
0.215688	2.55E-06	0.390955	1.67E-18	0.388269	2.98E-18	0.168482	0.00025	0.062379
-0.17096	0.00021	-0.36562	3.23E-16	-0.23963	1.60E-07	-0.16194	0.00044	-0.19877
0.492377	6.89E-30	0.578292	4.99E-43	0.428959	2.51E-22	0.473057	2.05E-27	0.611264
0.269933	3.07E-09	0.449829	1.21E-24	0.427125	3.93E-22	0.189798	3.66E-05	0.33515
-0.24475	8.48E-08	-0.67601	1.20E-63	-0.56499	9.75E-41	-0.37293	7.41E-17	-0.58396
0.498485	1.05E-30	0.709636	1.00E-72	0.642333	1.09E-55	0.413602	1.01E-20	0.617962
0.735431	1.27E-80	0.882452	#####	0.807696	#####	0.571968	6.31E-42	0.711539
-0.23363	3.29E-07	-0.42013	2.14E-21	-0.31117	6.08E-12	-0.26074	1.07E-08	-0.43649
0.459589	8.79E-26	0.540108	1.01E-36	0.344098	1.99E-14	0.40162	1.58E-19	0.507668
0.429333	2.28E-22	0.682501	2.65E-65	0.611909	2.59E-49	0.26839	3.80E-09	0.411322
-0.37008	1.32E-16	-0.5017	3.86E-31	-0.4796	3.10E-28	-0.32209	9.84E-13	-0.1944
0.633343	9.91E-54	0.643942	4.79E-56	0.574843	2.00E-42	0.456205	2.20E-25	0.491839
-0.35715	1.70E-15	-0.51802	2.01E-33	-0.41677	4.77E-21	-0.34728	1.11E-14	-0.22945
0.359301	1.12E-15	0.519372	1.28E-33	0.477183	6.25E-28	0.326465	4.65E-13	0.535652
-0.44481	4.51E-24	-0.6201	5.83E-51	-0.54627	1.10E-37	-0.4138	9.61E-21	-0.60556
0.611375	3.31E-49	0.743553	2.64E-83	0.620334	5.22E-51	0.414927	7.37E-21	0.611104
0.59922	7.47E-47	0.88782	#####	0.779226	2.10E-96	0.47062	4.09E-27	0.660127
0.354521	2.82E-15	0.481056	2.02E-28	0.438168	2.49E-23	0.249639	4.57E-08	0.246343
0.641253	1.89E-55	0.814056	#####	0.758219	2.05E-88	0.467	1.13E-26	0.591159
0.295197	7.63E-11	0.40825	3.49E-20	0.348059	9.56E-15	0.242331	1.15E-07	0.1068
0.536805	3.27E-36	0.67715	6.19E-64	0.484771	6.77E-29	0.348193	9.33E-15	0.499741
0.636314	2.27E-54	0.704871	2.32E-71	0.767819	5.83E-92	0.366825	2.54E-16	0.484423
0.482749	1.23E-28	0.597742	1.42E-46	0.415605	6.28E-21	0.551152	1.84E-38	0.411712
0.568464	2.52E-41	0.716825	7.73E-75	0.469584	5.48E-27	0.398961	2.86E-19	0.5251
0.645596	2.04E-56	0.754611	4.01E-87	0.725946	1.29E-77	0.445169	4.11E-24	0.467837
0.707388	4.44E-72	0.712131	1.88E-73	0.702679	9.63E-71	0.422357	1.25E-21	0.45993
-0.18985	3.64E-05	-0.50351	2.19E-31	-0.26208	8.96E-09	-0.23914	1.70E-07	-0.39178
0.361527	7.25E-16	0.360534	8.81E-16	0.251349	3.68E-08	0.192051	2.94E-05	0.305437
0.425134	6.40E-22	0.547291	7.60E-38	0.469474	5.66E-27	0.349171	7.76E-15	0.609781
0.692901	4.74E-68	0.774944	1.05E-94	0.681814	3.98E-65	0.463778	2.78E-26	0.607679
0.497957	1.24E-30	0.569432	1.72E-41	0.369553	1.47E-16	0.462908	3.53E-26	0.515323
0.424951	6.69E-22	0.748536	5.32E-85	0.599142	7.72E-47	0.405516	6.53E-20	0.509508
0.242725	1.09E-07	0.425314	6.12E-22	0.378807	2.21E-17	0.10443	0.02402	0.205561
0.620825	4.14E-51	0.839505	#####	0.605165	5.42E-48	0.518109	1.95E-33	0.70771
0.674791	2.43E-63	0.751774	4.00E-86	0.713909	5.66E-74	0.396608	4.83E-19	0.502488
0.635604	3.23E-54	0.670566	2.74E-62	0.519175	1.37E-33	0.37143	1.01E-16	0.411326
0.609901	6.46E-49	0.723263	8.71E-77	0.687369	1.42E-66	0.508884	3.95E-32	0.522424
0.157143	0.00065	0.408776	3.09E-20	0.355458	2.35E-15	0.215525	2.60E-06	0.170335
0.621393	3.17E-51	0.719754	1.02E-75	0.639595	4.37E-55	0.498763	9.67E-31	0.629479
-0.19305	2.67E-05	-0.41784	3.70E-21	-0.28802	2.26E-10	-0.13179	0.00433	-0.25829
0.334356	1.16E-13	0.510266	2.53E-32	0.461754	4.86E-26	0.248806	5.09E-08	0.178484

0.748937	3.87E-85	0.86113	#####	0.801346	#####	0.513695	8.32E-33	0.625853
0.201235	1.18E-05	0.468846	6.75E-27	0.342403	2.72E-14	0.232033	3.97E-07	0.320089
0.729285	1.17E-78	0.743631	2.48E-83	0.68944	4.00E-67	0.440462	1.39E-23	0.580718
0.701325	2.31E-70	0.820563	#####	0.639139	5.51E-55	0.470021	4.85E-27	0.605001
0.702493	1.09E-70	0.797798	#####	0.617206	2.26E-50	0.557293	1.85E-39	0.612343
0.604988	5.87E-48	0.609486	7.80E-49	0.512397	1.27E-32	0.359473	1.08E-15	0.523515
0.659138	1.57E-59	0.698683	1.25E-69	0.584607	3.74E-44	0.534115	8.41E-36	0.694483
0.291795	1.28E-10	0.532997	1.24E-35	0.482169	1.46E-28	0.240489	1.44E-07	0.511738
-0.49054	1.20E-29	-0.59894	8.43E-47	-0.44889	1.55E-24	-0.45888	1.07E-25	-0.59446
-0.3755	4.38E-17	-0.46971	5.29E-27	-0.35789	1.47E-15	-0.32923	2.87E-13	-0.54847
0.477304	6.04E-28	0.739085	8.11E-82	0.528375	6.13E-35	0.451451	7.88E-25	0.695604
0.52762	7.94E-35	0.734993	1.76E-80	0.648366	4.85E-57	0.38877	2.68E-18	0.478171
0.247266	6.18E-08	0.457339	1.62E-25	0.362367	6.15E-16	0.124081	0.00726	0.055409
0.490695	1.15E-29	0.651903	7.57E-58	0.654054	2.42E-58	0.313722	4.00E-12	0.430588
0.624414	7.55E-52	0.866175	#####	0.699534	7.26E-70	0.467532	9.77E-27	0.615443
0.659941	1.01E-59	0.811401	#####	0.775419	6.83E-95	0.498825	9.48E-31	0.68443
0.369074	1.62E-16	0.54297	3.64E-37	0.52408	2.64E-34	0.239715	1.58E-07	0.316789
0.156277	0.0007	0.385879	4.97E-18	0.286201	2.97E-10	0.233291	3.42E-07	0.300285
0.592276	1.49E-45	0.714437	3.95E-74	0.722299	1.72E-76	0.403523	1.03E-19	0.465741
0.501263	4.43E-31	0.800806	#####	0.586608	1.63E-44	0.440257	1.46E-23	0.543169
0.386597	4.26E-18	0.619189	8.94E-51	0.542967	3.65E-37	0.246461	6.84E-08	0.32136
0.660255	8.53E-60	0.824792	#####	0.755595	1.79E-87	0.518914	1.49E-33	0.629956
0.53972	1.17E-36	0.753262	1.20E-86	0.542796	3.88E-37	0.35098	5.52E-15	0.564283
-0.39177	1.40E-18	-0.54404	2.48E-37	-0.56585	6.98E-41	-0.38233	1.06E-17	-0.58361
0.393215	1.02E-18	0.633654	8.50E-54	0.400276	2.13E-19	0.396761	4.67E-19	0.568714
-0.32302	8.40E-13	-0.44558	3.70E-24	-0.40512	7.14E-20	-0.26811	3.94E-09	-0.4465
0.389136	2.47E-18	0.577151	7.92E-43	0.402888	1.19E-19	0.41632	5.31E-21	0.59138
0.412985	1.16E-20	0.556955	2.11E-39	0.551977	1.36E-38	0.324239	6.82E-13	0.485091
-0.12366	0.00747	-0.41714	4.37E-21	-0.31591	2.78E-12	-0.25217	3.31E-08	-0.17453
0.311912	5.38E-12	0.444876	4.44E-24	0.354664	2.74E-15	0.299043	4.21E-11	0.444085
0.658226	2.57E-59	0.758327	1.88E-88	0.527638	7.89E-35	0.573017	4.16E-42	0.681065
-0.29515	7.69E-11	-0.50801	5.22E-32	-0.39009	2.01E-18	-0.26656	4.88E-09	-0.12501
0.518959	1.47E-33	0.664666	7.52E-61	0.514193	7.07E-33	0.427206	3.86E-22	0.64701
0.588548	7.21E-45	0.68221	3.15E-65	0.600146	4.98E-47	0.3262	4.87E-13	0.441377
0.469552	5.53E-27	0.545603	1.41E-37	0.317087	2.29E-12	0.370024	1.34E-16	0.436801
0.600438	4.38E-47	0.793742	#####	0.697175	3.25E-69	0.480438	2.43E-28	0.570446
0.625905	3.70E-52	0.757862	2.76E-88	0.625502	4.49E-52	0.413726	9.78E-21	0.592261
0.626739	2.48E-52	0.820553	#####	0.638414	7.93E-55	0.489091	1.86E-29	0.649672
0.418157	3.43E-21	0.563378	1.82E-40	0.466359	1.36E-26	0.407788	3.88E-20	0.563029
0.51655	3.26E-33	0.678874	2.26E-64	0.644837	3.02E-56	0.297595	5.27E-11	0.424081
0.448175	1.87E-24	0.793417	#####	0.715259	2.26E-74	0.364459	4.07E-16	0.504905
-0.21918	1.74E-06	-0.43537	5.06E-23	-0.28792	2.30E-10	-0.26253	8.44E-09	-0.43887
0.461334	5.45E-26	0.632414	1.57E-53	0.474449	1.37E-27	0.429902	1.98E-22	0.561546
0.501868	3.67E-31	0.840279	#####	0.73628	6.72E-81	0.375479	4.40E-17	0.523497
0.437374	3.05E-23	0.53754	2.52E-36	0.528194	6.52E-35	0.148886	0.00125	0.234182

0.621158	3.54E-51	0.720745	5.11E-76	0.620822	4.15E-51	0.424878	6.81E-22	0.427124
0.585289	2.82E-44	0.658111	2.74E-59	0.514863	5.68E-33	0.380404	1.58E-17	0.467377
0.286681	2.76E-10	0.469473	5.66E-27	0.407891	3.79E-20	0.284686	3.71E-10	0.311459
0.611682	2.87E-49	0.794647	#####	0.694197	2.11E-68	0.477267	6.10E-28	0.646989
0.181684	7.86E-05	0.461012	5.96E-26	0.322642	8.96E-13	0.288945	1.97E-10	0.428597
0.503582	2.14E-31	0.655122	1.37E-58	0.637575	1.21E-54	0.273705	1.81E-09	0.499178
0.584366	4.13E-44	0.854957	#####	0.740086	3.79E-82	0.523061	3.73E-34	0.592583
0.375693	4.21E-17	0.685382	4.71E-66	0.662566	2.40E-60	0.350285	6.30E-15	0.489019
0.518315	1.82E-33	0.755235	2.41E-87	0.70248	1.10E-70	0.443463	6.41E-24	0.648161
0.500378	5.84E-31	0.587856	9.65E-45	0.504217	1.75E-31	0.371266	1.04E-16	0.452003
0.337633	6.48E-14	0.506335	8.93E-32	0.362931	5.50E-16	0.143107	0.00193	0.148711
-0.4587	1.12E-25	-0.67396	3.93E-63	-0.52634	1.23E-34	-0.36571	3.18E-16	-0.40348
0.58145	1.37E-43	0.755897	1.40E-87	0.702705	9.47E-71	0.367371	2.28E-16	0.448828
0.425766	5.48E-22	0.806208	#####	0.717987	3.47E-75	0.388057	3.12E-18	0.522436
0.187333	4.63E-05	0.597607	1.51E-46	0.318545	1.79E-12	0.38855	2.80E-18	0.522905
0.578192	5.19E-43	0.743246	3.35E-83	0.500412	5.78E-31	0.328452	3.29E-13	0.384306
0.449152	1.45E-24	0.63551	3.39E-54	0.495863	2.37E-30	0.43825	2.44E-23	0.489184
0.693544	3.17E-68	0.834343	#####	0.761198	1.70E-89	0.496977	1.68E-30	0.653348
0.174991	0.00014	0.520828	7.88E-34	0.14596	0.00156	0.392795	1.12E-18	0.5211
-0.29347	9.94E-11	-0.63192	1.99E-53	-0.59142	2.14E-45	-0.32801	3.55E-13	-0.38606
0.67093	2.23E-62	0.891351	#####	0.782869	7.03E-98	0.522805	4.06E-34	0.640163
0.196492	1.90E-05	0.336923	7.36E-14	0.29887	4.32E-11	0.005841	0.89983	0.024979
0.506776	7.75E-32	0.652667	5.05E-58	0.529951	3.57E-35	0.305611	1.49E-11	0.235003
0.34663	1.25E-14	0.44529	3.99E-24	0.390783	1.73E-18	0.088375	0.05634	0.269343
0.205191	7.82E-06	0.464085	2.55E-26	0.156236	0.0007	0.18429	6.17E-05	0.294534
0.653071	4.08E-58	0.795159	#####	0.508856	3.98E-32	0.604523	7.22E-48	0.687698
-0.27965	7.74E-10	-0.5063	9.02E-32	-0.36673	2.59E-16	-0.28886	2.00E-10	-0.30283
0.478923	3.77E-28	0.660921	5.93E-60	0.450213	1.09E-24	0.450377	1.05E-24	0.478337
0.612834	1.70E-49	0.825038	#####	0.744829	9.79E-84	0.428811	2.60E-22	0.531413
0.444612	4.76E-24	0.784378	1.69E-98	0.51422	7.01E-33	0.4736	1.75E-27	0.582579
-0.5014	4.24E-31	-0.66368	1.30E-60	-0.50511	1.32E-31	-0.39756	3.91E-19	-0.48523
0.571868	6.57E-42	0.797009	#####	0.705822	1.24E-71	0.507387	6.38E-32	0.529594
-0.16831	0.00026	-0.42843	2.85E-22	-0.40527	6.91E-20	-0.16047	0.0005	-0.26826
0.61714	2.33E-50	0.722008	2.11E-76	0.701288	2.36E-70	0.398852	2.93E-19	0.537833
0.549631	3.23E-38	0.760187	3.97E-89	0.740029	3.96E-82	0.383086	9.00E-18	0.512425
0.475158	1.12E-27	0.542571	4.20E-37	0.536747	3.34E-36	0.265728	5.47E-09	0.437183
0.543299	3.23E-37	0.731618	2.13E-79	0.706892	6.16E-72	0.371622	9.67E-17	0.493583
0.253382	2.83E-08	0.424243	7.95E-22	0.283238	4.59E-10	0.16445	0.00036	0.421186
0.192015	2.95E-05	0.376616	3.48E-17	0.223199	1.10E-06	0.331097	2.07E-13	0.423774
-0.18617	5.17E-05	-0.42183	1.43E-21	-0.24813	5.54E-08	-0.16533	0.00033	-0.26449
0.581241	1.50E-43	0.659032	1.66E-59	0.680996	6.47E-65	0.360098	9.59E-16	0.382244
0.434884	5.72E-23	0.62974	5.79E-53	0.350884	5.62E-15	0.355878	2.17E-15	0.606013
-0.48301	1.14E-28	-0.57412	2.67E-42	-0.61642	3.25E-50	-0.23163	4.17E-07	-0.37697
0.382861	9.43E-18	0.419015	2.80E-21	0.406814	4.85E-20	0.28802	2.26E-10	0.064731
0.299743	3.77E-11	0.557754	1.56E-39	0.352809	3.91E-15	0.273284	1.92E-09	0.368409

-0.08397	0.06984	0.139003	0.00261	0.028266	0.54232	0.015722	0.7347	0.111485
0.535469	5.23E-36	0.486225	4.39E-29	0.381309	1.31E-17	0.189207	3.87E-05	0.211712
0.437101	3.27E-23	0.592305	1.47E-45	0.441718	1.01E-23	0.422673	1.16E-21	0.491142
0.677778	4.29E-64	0.69122	1.34E-67	0.662323	2.75E-60	0.363465	4.95E-16	0.495154
0.252246	3.27E-08	0.60137	2.91E-47	0.552957	9.42E-39	0.208239	5.68E-06	0.331206
0.573104	4.02E-42	0.689421	4.05E-67	0.513859	7.88E-33	0.376137	3.84E-17	0.393673
0.251975	3.39E-08	0.470629	4.08E-27	0.262086	8.96E-09	0.212002	3.80E-06	0.203604
0.435193	5.29E-23	0.516178	3.69E-33	0.341026	3.50E-14	0.350993	5.51E-15	0.414704
0.382032	1.12E-17	0.612476	2.00E-49	0.459893	8.09E-26	0.401217	1.73E-19	0.636824
-0.43197	1.19E-22	-0.61144	3.21E-49	-0.44615	3.19E-24	-0.3055	1.52E-11	-0.39636
0.712434	1.53E-73	0.8493	#####	0.5811	1.59E-43	0.518983	1.46E-33	0.679365
-0.51149	1.70E-32	-0.56389	1.49E-40	-0.57383	3.00E-42	-0.26993	3.06E-09	-0.34186
0.534723	6.80E-36	0.537456	2.60E-36	0.509222	3.54E-32	0.346206	1.35E-14	0.347068
0.536403	3.77E-36	0.768994	2.09E-92	0.503892	1.94E-31	0.484355	7.65E-29	0.560333
0.471713	3.00E-27	0.605587	4.50E-48	0.434153	6.88E-23	0.418821	2.93E-21	0.485998
0.36039	9.06E-16	0.667461	1.58E-61	0.425269	6.19E-22	0.434713	5.97E-23	0.628054
-0.24339	1.00E-07	-0.33993	4.27E-14	-0.29369	9.61E-11	-0.14067	0.00231	-0.21095
0.228303	6.15E-07	0.420071	2.17E-21	0.378299	2.45E-17	0.32335	7.94E-13	0.359064
-0.20269	1.01E-05	-0.49537	2.76E-30	-0.3994	2.59E-19	-0.17984	9.31E-05	-0.22537
0.343506	2.22E-14	0.510152	2.63E-32	0.273205	1.94E-09	0.302771	2.34E-11	0.454803
0.381323	1.30E-17	0.566407	5.62E-41	0.4395	1.78E-23	0.426982	4.07E-22	0.569085
0.392104	1.30E-18	0.585638	2.44E-44	0.416693	4.86E-21	0.299274	4.06E-11	0.380472
0.200655	1.25E-05	0.357184	1.69E-15	0.300941	3.13E-11	0.30586	1.43E-11	0.430285
0.68368	1.31E-65	0.827297	#####	0.644665	3.30E-56	0.519365	1.28E-33	0.617792
-0.37314	7.10E-17	-0.59744	1.62E-46	-0.487	3.49E-29	-0.33307	1.46E-13	-0.25713
0.457785	1.44E-25	0.762712	4.72E-90	0.560937	4.64E-40	0.360669	8.58E-16	0.532456
0.505597	1.13E-31	0.789727	#####	0.485359	5.68E-29	0.480295	2.53E-28	0.705923
0.720512	6.02E-76	0.823804	#####	0.754731	3.63E-87	0.496815	1.77E-30	0.489328
0.388407	2.89E-18	0.587321	1.21E-44	0.522382	4.68E-34	0.414826	7.55E-21	0.51856
0.526664	1.10E-34	0.692046	8.04E-68	0.412707	1.24E-20	0.45826	1.26E-25	0.537676
0.355129	2.51E-15	0.642801	8.58E-56	0.43162	1.30E-22	0.3521	4.47E-15	0.547116
-0.31823	1.89E-12	-0.68749	1.31E-66	-0.63997	3.61E-55	-0.32888	3.05E-13	-0.50886
0.632016	1.90E-53	0.782097	1.45E-97	0.588609	7.03E-45	0.460408	7.03E-26	0.638254
0.33239	1.65E-13	0.468593	7.25E-27	0.40489	7.53E-20	0.289887	1.71E-10	0.300078
0.290054	1.67E-10	0.580162	2.33E-43	0.445822	3.47E-24	0.323183	8.17E-13	0.413632
0.603062	1.38E-47	0.784797	1.13E-98	0.676635	8.36E-64	0.483537	9.75E-29	0.71924
0.38259	9.99E-18	0.693177	3.99E-68	0.421856	1.42E-21	0.274315	1.66E-09	0.366707
0.290575	1.54E-10	0.395025	6.85E-19	0.315977	2.75E-12	0.154141	0.00083	0.245426
0.305892	1.43E-11	0.439822	1.63E-23	0.295988	6.76E-11	0.31368	4.02E-12	0.286113
0.471114	3.56E-27	0.789386	#####	0.506955	7.33E-32	0.359449	1.09E-15	0.586524
-0.45504	3.02E-25	-0.52307	3.71E-34	-0.50982	2.92E-32	-0.32241	9.32E-13	-0.55474
0.282062	5.45E-10	0.477367	5.93E-28	0.438451	2.32E-23	0.243686	9.68E-08	0.135269
0.436164	4.14E-23	0.678571	2.70E-64	0.39961	2.48E-19	0.305223	1.59E-11	0.534667
-0.28147	5.94E-10	-0.56004	6.53E-40	-0.41061	2.02E-20	-0.2653	5.80E-09	-0.51111
0.593508	8.80E-46	0.74415	1.66E-83	0.528204	6.50E-35	0.444016	5.55E-24	0.566302

0.773203	5.02E-94	0.820869	#####	0.726552	8.39E-78	0.480712	2.24E-28	0.490994
0.591332	2.23E-45	0.715315	2.17E-74	0.559065	9.47E-40	0.496163	2.16E-30	0.606392
0.428991	2.49E-22	0.671655	1.47E-62	0.508009	5.23E-32	0.479268	3.41E-28	0.67612
0.237987	1.95E-07	0.394652	7.44E-19	0.326089	4.96E-13	0.229062	5.63E-07	0.241799
-0.36777	2.11E-16	-0.53972	1.17E-36	-0.38967	2.20E-18	-0.26993	3.07E-09	-0.272
0.394861	7.10E-19	0.634875	4.64E-54	0.44894	1.53E-24	0.472091	2.69E-27	0.645692
0.520309	9.38E-34	0.606233	3.37E-48	0.540824	7.86E-37	0.367535	2.21E-16	0.418472
0.620843	4.11E-51	0.767905	5.41E-92	0.718326	2.75E-75	0.33814	5.91E-14	0.486531
0.3558	2.20E-15	0.464416	2.33E-26	0.350192	6.41E-15	0.299445	3.95E-11	0.319211
0.468915	6.62E-27	0.821692	#####	0.614622	7.47E-50	0.368737	1.73E-16	0.533599
0.542822	3.84E-37	0.649039	3.41E-57	0.571246	8.40E-42	0.398422	3.23E-19	0.328687
-0.41934	2.59E-21	-0.57226	5.62E-42	-0.53347	1.05E-35	-0.3309	2.14E-13	-0.17798
0.375249	4.61E-17	0.503965	1.89E-31	0.519266	1.33E-33	0.22161	1.32E-06	0.161898
-0.25613	1.97E-08	-0.5167	3.11E-33	-0.40169	1.55E-19	-0.19129	3.17E-05	-0.48361
0.596672	2.26E-46	0.837529	#####	0.622782	1.64E-51	0.489517	1.64E-29	0.574838
0.459177	9.84E-26	0.752137	2.98E-86	0.48115	1.97E-28	0.458727	1.11E-25	0.599626
0.561632	3.56E-40	0.58955	4.73E-45	0.55415	6.04E-39	0.31671	2.43E-12	0.384391
0.500058	6.46E-31	0.78225	1.26E-97	0.595846	3.23E-46	0.354274	2.95E-15	0.504235
0.232203	3.89E-07	0.371919	9.11E-17	0.247771	5.80E-08	0.256965	1.77E-08	0.288321
0.662106	3.09E-60	0.726877	6.64E-78	0.734994	1.76E-80	0.336012	8.67E-14	0.394373
0.613526	1.24E-49	0.737549	2.59E-81	0.688071	9.24E-67	0.430173	1.86E-22	0.442387
0.13853	0.0027	0.413458	1.04E-20	0.260327	1.13E-08	0.058587	0.20631	0.277074
0.471241	3.43E-27	0.636856	1.73E-54	0.534605	7.09E-36	0.378129	2.54E-17	0.27131
0.236949	2.21E-07	0.645519	2.13E-56	0.504029	1.86E-31	0.34844	8.90E-15	0.354688
0.612516	1.96E-49	0.750729	9.26E-86	0.648937	3.60E-57	0.482888	1.18E-28	0.56671
0.710851	4.45E-73	0.836421	#####	0.724117	4.76E-77	0.510109	2.66E-32	0.689081
0.642389	1.06E-55	0.793085	#####	0.56807	2.94E-41	0.585784	2.29E-44	0.731693
0.146263	0.00153	0.477555	5.61E-28	0.490937	1.07E-29	0.178524	0.0001	0.392644
0.617423	2.04E-50	0.805364	#####	0.50185	3.69E-31	0.51023	2.56E-32	0.5885
0.503369	2.29E-31	0.767723	6.34E-92	0.549526	3.35E-38	0.408966	2.96E-20	0.597023
0.475376	1.05E-27	0.726464	8.93E-78	0.678389	3.00E-64	0.377051	3.18E-17	0.525891
0.501033	4.76E-31	0.707202	5.02E-72	0.689768	3.28E-67	0.322333	9.44E-13	0.437668
0.478488	4.28E-28	0.832381	#####	0.704951	2.20E-71	0.518946	1.48E-33	0.638851
0.328898	3.05E-13	0.724282	4.23E-77	0.535843	4.59E-36	0.357255	1.67E-15	0.561691
-0.14514	0.00166	-0.44553	3.75E-24	-0.38545	5.45E-18	-0.12509	0.0068	-0.18379
0.684207	9.54E-66	0.795329	#####	0.724201	4.48E-77	0.409895	2.39E-20	0.52117
-0.11939	0.00981	-0.42802	3.16E-22	-0.48615	4.49E-29	-0.22952	5.34E-07	-0.26746
0.445641	3.64E-24	0.635573	3.28E-54	0.432571	1.02E-22	0.369403	1.52E-16	0.538394
-0.20761	6.07E-06	-0.3936	9.38E-19	-0.2657	5.49E-09	-0.14868	0.00127	-0.13715
0.577401	7.15E-43	0.633547	8.96E-54	0.539496	1.26E-36	0.413732	9.76E-21	0.380379
0.46442	2.33E-26	0.618144	1.46E-50	0.413746	9.73E-21	0.449552	1.30E-24	0.541181
-0.32757	3.84E-13	-0.46606	1.48E-26	-0.47467	1.29E-27	-0.09628	0.03754	0.112482
0.551913	1.39E-38	0.835632	#####	0.675451	1.66E-63	0.502823	2.71E-31	0.597006
0.304316	1.83E-11	0.49113	1.01E-29	0.493344	5.13E-30	0.210006	4.71E-06	0.23093
0.314619	3.45E-12	0.446828	2.67E-24	0.450437	1.03E-24	0.078184	0.09148	0.029767

0.565686	7.44E-41	0.564255	1.30E-40	0.462304	4.18E-26	0.413089	1.14E-20	0.63163
0.494458	3.65E-30	0.721174	3.79E-76	0.424265	7.90E-22	0.39085	1.71E-18	0.450394
0.50849	4.48E-32	0.706467	8.15E-72	0.513932	7.70E-33	0.446757	2.72E-24	0.410936
0.49813	1.18E-30	0.727896	3.19E-78	0.638278	8.49E-55	0.473727	1.69E-27	0.650627
0.244593	8.65E-08	0.480064	2.71E-28	0.404326	8.56E-20	0.127857	0.00566	0.167112
0.573427	3.53E-42	0.815057	#####	0.751811	3.88E-86	0.467842	8.95E-27	0.655611
-0.58787	9.61E-45	-0.67351	5.08E-63	-0.66315	1.74E-60	-0.30697	1.20E-11	-0.34141
0.543158	3.40E-37	0.706922	6.04E-72	0.545289	1.58E-37	0.424594	7.30E-22	0.583682
-0.32563	5.37E-13	-0.42034	2.04E-21	-0.32659	4.55E-13	-0.16611	0.00031	-0.25833
0.287539	2.43E-10	0.431681	1.28E-22	0.432691	9.92E-23	0.341868	3.00E-14	0.286285
0.472655	2.30E-27	0.634398	5.88E-54	0.50318	2.43E-31	0.34159	3.16E-14	0.376593
0.524927	1.98E-34	0.751788	3.95E-86	0.579928	2.56E-43	0.444556	4.83E-24	0.520562
0.516941	2.87E-33	0.768065	4.71E-92	0.599193	7.55E-47	0.511409	1.75E-32	0.676333
0.382999	9.16E-18	0.568887	2.13E-41	0.354923	2.61E-15	0.387659	3.40E-18	0.386904
0.55863	1.12E-39	0.611651	2.91E-49	0.428038	3.14E-22	0.406016	5.82E-20	0.565054
0.672518	9.00E-63	0.793491	#####	0.714178	4.72E-74	0.51975	1.13E-33	0.603798
0.543356	3.17E-37	0.565822	7.06E-41	0.452051	6.72E-25	0.366666	2.62E-16	0.619883
0.236582	2.31E-07	0.47305	2.05E-27	0.343239	2.34E-14	0.288513	2.10E-10	0.348819
-0.2099	4.76E-06	-0.43981	1.64E-23	-0.32832	3.37E-13	-0.0998	0.03106	-0.0693
-0.37161	9.70E-17	-0.70809	2.79E-72	-0.60591	3.90E-48	-0.27009	3.00E-09	-0.32138
-0.21354	3.22E-06	-0.50914	3.64E-32	-0.31696	2.34E-12	-0.29077	1.50E-10	-0.15749
0.222336	1.22E-06	0.6477	6.86E-57	0.49014	1.36E-29	0.324858	6.13E-13	0.560192
0.193204	2.63E-05	0.463424	3.07E-26	0.379312	1.99E-17	0.240865	1.37E-07	0.5605
0.349453	7.36E-15	0.701522	2.03E-70	0.614192	9.10E-50	0.384814	6.24E-18	0.719322
0.133662	0.00381	0.363833	4.61E-16	0.28584	3.13E-10	-0.03351	0.47002	0.107717
-0.37987	1.77E-17	-0.55091	2.01E-38	-0.43549	4.91E-23	-0.35285	3.88E-15	-0.41753
-0.38849	2.84E-18	-0.53491	6.37E-36	-0.48443	7.48E-29	-0.303	2.26E-11	-0.2931
0.346955	1.18E-14	0.45428	3.70E-25	0.396417	5.04E-19	0.178583	0.0001	0.196732
0.364312	4.19E-16	0.714966	2.76E-74	0.413755	9.71E-21	0.285659	3.21E-10	0.404203
0.756229	1.06E-87	0.883617	#####	0.757601	3.43E-88	0.491061	1.03E-29	0.541046
0.253255	2.87E-08	0.433502	8.10E-23	0.427369	3.70E-22	0.298061	4.90E-11	0.332094
0.428154	3.05E-22	0.62084	4.11E-51	0.410106	2.27E-20	0.387688	3.38E-18	0.543968
0.631085	3.00E-53	0.751116	6.78E-86	0.621839	2.57E-51	0.371583	9.75E-17	0.493369
-0.23632	2.38E-07	-0.41921	2.67E-21	-0.29918	4.12E-11	-0.20141	1.16E-05	-0.22098
0.328443	3.30E-13	0.373396	6.74E-17	0.35932	1.12E-15	0.295477	7.31E-11	0.262372
0.476905	6.77E-28	0.625797	3.90E-52	0.457209	1.68E-25	0.331108	2.07E-13	0.504031
0.371163	1.06E-16	0.548237	5.38E-38	0.326381	4.71E-13	0.394198	8.22E-19	0.420677
0.533464	1.06E-35	0.7193	1.40E-75	0.540623	8.44E-37	0.447935	2.00E-24	0.483165
0.629481	6.57E-53	0.811183	#####	0.537624	2.45E-36	0.474245	1.46E-27	0.650249
0.494327	3.80E-30	0.555447	3.71E-39	0.462744	3.70E-26	0.362413	6.10E-16	0.3363
0.333855	1.27E-13	0.602491	1.78E-47	0.559254	8.82E-40	0.254174	2.55E-08	0.309391
0.325375	5.61E-13	0.559885	6.94E-40	0.324566	6.45E-13	0.302476	2.45E-11	0.577376
0.255754	2.08E-08	0.373223	6.98E-17	0.338988	5.07E-14	0.169438	0.00023	0.163186
0.702379	1.17E-70	0.845753	#####	0.606124	3.54E-48	0.555473	3.68E-39	0.627884
0.615315	5.42E-50	0.712029	2.02E-73	0.706018	1.09E-71	0.318334	1.86E-12	0.43063



0.491502	8.98E-30	0.699434	7.74E-70	0.457117	1.72E-25	0.391275	1.56E-18	0.454969
-0.21637	2.37E-06	-0.5436	2.90E-37	-0.55961	7.70E-40	-0.17014	0.00022	-0.39795
0.444315	5.14E-24	0.624864	6.09E-52	0.410229	2.21E-20	0.338722	5.32E-14	0.326916
-0.19891	1.49E-05	-0.50954	3.19E-32	-0.3908	1.73E-18	-0.20965	4.89E-06	-0.38765
-0.14537	0.00163	-0.49103	1.04E-29	-0.35158	4.93E-15	-0.11144	0.01599	-0.04443
-0.37962	1.86E-17	-0.57713	7.98E-43	-0.48872	2.08E-29	-0.31042	6.86E-12	-0.12192
0.210497	4.47E-06	0.440664	1.32E-23	0.381766	1.19E-17	0.241957	1.20E-07	0.388261
0.215289	2.66E-06	0.388234	3.00E-18	0.208609	5.46E-06	0.252557	3.15E-08	0.418516
0.362718	5.74E-16	0.618466	1.25E-50	0.399965	2.29E-19	0.44218	8.92E-24	0.543745
0.294952	7.92E-11	0.374026	5.93E-17	0.324744	6.25E-13	0.291966	1.25E-10	0.261036
0.622672	1.73E-51	0.701774	1.73E-70	0.584903	3.31E-44	0.444823	4.50E-24	0.487019
0.639723	4.10E-55	0.655722	9.91E-59	0.522723	4.18E-34	0.458515	1.18E-25	0.424052
0.74553	5.67E-84	0.87134	#####	0.723503	7.35E-77	0.474265	1.45E-27	0.581501
0.45304	5.16E-25	0.56922	1.87E-41	0.484781	6.75E-29	0.424118	8.19E-22	0.449229
0.269724	3.16E-09	0.379331	1.98E-17	0.272152	2.25E-09	0.266212	5.12E-09	0.357201
0.613653	1.17E-49	0.713521	7.37E-74	0.564299	1.27E-40	0.493373	5.08E-30	0.505574
0.57465	2.17E-42	0.704974	2.17E-71	0.468186	8.13E-27	0.558056	1.39E-39	0.662804
0.211755	3.91E-06	0.483226	1.07E-28	0.470994	3.68E-27	0.255377	2.18E-08	0.297942
0.457867	1.41E-25	0.740931	1.99E-82	0.50603	9.84E-32	0.518398	1.77E-33	0.590079
-0.20031	1.29E-05	-0.35704	1.74E-15	-0.3955	6.17E-19	-0.20782	5.94E-06	-0.4756
0.397909	3.62E-19	0.668881	7.11E-62	0.549322	3.61E-38	0.436885	3.45E-23	0.487704
0.580453	2.07E-43	0.651323	1.03E-57	0.556154	2.85E-39	0.434185	6.82E-23	0.603139
-0.02794	0.54705	-0.45355	4.50E-25	-0.4083	3.45E-20	-0.1001	0.03055	-0.1847
-0.15542	0.00075	-0.60504	5.73E-48	-0.43218	1.13E-22	-0.26568	5.50E-09	-0.42734
-0.19816	1.61E-05	-0.57552	1.53E-42	-0.49079	1.12E-29	-0.23872	1.78E-07	-0.39588
0.603707	1.04E-47	0.609688	7.11E-49	0.388969	2.56E-18	0.384287	6.98E-18	0.594145
0.705424	1.61E-71	0.841417	#####	0.654248	2.18E-58	0.556428	2.57E-39	0.673657
-0.13605	0.00322	-0.36982	1.39E-16	-0.24381	9.54E-08	-0.08839	0.0563	-0.28704
-0.44639	2.99E-24	-0.50058	5.48E-31	-0.50181	3.73E-31	-0.17665	0.00012	-0.11297
0.200035	1.33E-05	0.472761	2.23E-27	0.458055	1.34E-25	0.259885	1.20E-08	0.229982
0.336821	7.49E-14	0.734944	1.82E-80	0.602487	1.78E-47	0.444169	5.34E-24	0.606938
0.654981	1.47E-58	0.78358	3.59E-98	0.785179	7.88E-99	0.47393	1.59E-27	0.545725
0.385369	5.54E-18	0.521243	6.86E-34	0.452262	6.35E-25	0.169159	0.00024	0.128761
0.532208	1.63E-35	0.726934	6.38E-78	0.552819	9.92E-39	0.464682	2.16E-26	0.473266
0.198025	1.63E-05	0.471832	2.90E-27	0.330674	2.23E-13	0.270168	2.97E-09	0.456627
-0.11333	0.01427	-0.45762	1.50E-25	-0.21863	1.84E-06	-0.2026	1.02E-05	-0.42918
0.391014	1.65E-18	0.578463	4.65E-43	0.330426	2.33E-13	0.348277	9.18E-15	0.492363
-0.12308	0.00775	-0.40834	3.42E-20	-0.43261	1.01E-22	-0.15958	0.00054	-0.31619
-0.27129	2.54E-09	-0.41134	1.71E-20	-0.2796	7.80E-10	-0.18201	7.63E-05	-0.27731
-0.0662	0.15318	-0.34639	1.30E-14	-0.3484	8.98E-15	0.012997	0.77937	-0.20577
0.426378	4.72E-22	0.473873	1.62E-27	0.304996	1.65E-11	0.262677	8.27E-09	0.398329
0.288662	2.06E-10	0.536394	3.78E-36	0.357072	1.73E-15	0.243484	9.93E-08	0.448887
0.573852	2.98E-42	0.809092	#####	0.699515	7.35E-70	0.418709	3.01E-21	0.622716
0.497599	1.39E-30	0.493895	4.33E-30	0.307289	1.14E-11	0.454517	3.47E-25	0.522217
0.530986	2.49E-35	0.859142	#####	0.778177	5.52E-96	0.466873	1.17E-26	0.645241

0.536391	3.79E-36	0.865468	#####	0.636257	2.33E-54	0.499524	7.63E-31	0.716037
-0.38632	4.52E-18	-0.46426	2.43E-26	-0.49637	2.03E-30	-0.19695	1.81E-05	-0.2487
0.303606	2.05E-11	0.650812	1.35E-57	0.399943	2.30E-19	0.354547	2.80E-15	0.459719
0.423533	9.44E-22	0.499672	7.28E-31	0.394071	8.45E-19	0.251159	3.77E-08	0.303388
0.620676	4.44E-51	0.779741	1.30E-96	0.754592	4.07E-87	0.351316	5.18E-15	0.42804
0.611709	2.84E-49	0.645198	2.51E-56	0.574173	2.62E-42	0.425609	5.70E-22	0.614905
0.621245	3.40E-51	0.776456	2.66E-95	0.706853	6.32E-72	0.465687	1.64E-26	0.538709
0.48246	1.34E-28	0.796413	#####	0.654985	1.47E-58	0.398329	3.30E-19	0.452823
-0.5059	1.02E-31	-0.47928	3.40E-28	-0.53703	3.02E-36	-0.23081	4.59E-07	-0.17944
-0.32725	4.05E-13	-0.3679	2.05E-16	-0.28495	3.57E-10	-0.182	7.63E-05	-0.2931
0.284449	3.84E-10	0.431187	1.44E-22	0.403964	9.29E-20	0.243576	9.82E-08	0.2311
0.529588	4.04E-35	0.811371	#####	0.740622	2.52E-82	0.423457	9.62E-22	0.559293
0.30245	2.46E-11	0.510544	2.31E-32	0.331432	1.95E-13	0.319616	1.50E-12	0.457205
-0.55285	9.81E-39	-0.64527	2.41E-56	-0.64157	1.61E-55	-0.2805	6.84E-10	-0.29072
-0.40925	2.77E-20	-0.47154	3.15E-27	-0.50106	4.72E-31	-0.14196	0.0021	-0.17829
0.564733	1.08E-40	0.837795	#####	0.644246	4.09E-56	0.466363	1.35E-26	0.732246
0.246715	6.63E-08	0.50831	4.75E-32	0.48038	2.47E-28	0.303169	2.20E-11	0.311775
0.442401	8.43E-24	0.629469	6.61E-53	0.544873	1.83E-37	0.344948	1.71E-14	0.248659
0.21304	3.40E-06	0.600189	4.89E-47	0.215677	2.55E-06	0.404769	7.74E-20	0.572599
0.595002	4.64E-46	0.667948	1.20E-61	0.558246	1.29E-39	0.403501	1.03E-19	0.709173
-0.32394	7.18E-13	-0.44852	1.71E-24	-0.3072	1.16E-11	-0.18823	4.25E-05	-0.14195
-0.21731	2.14E-06	-0.41804	3.53E-21	-0.2938	9.44E-11	-0.23282	3.62E-07	-0.36348
0.619698	7.04E-51	0.744462	1.30E-83	0.708881	1.65E-72	0.405598	6.41E-20	0.497896
-0.11551	0.0125	-0.39079	1.73E-18	-0.42751	3.57E-22	-0.2279	6.45E-07	-0.34483
0.385133	5.83E-18	0.512434	1.25E-32	0.385051	5.93E-18	0.378729	2.24E-17	0.422121
0.463989	2.62E-26	0.815019	#####	0.645755	1.88E-56	0.454335	3.65E-25	0.627885
-0.17291	0.00017	-0.47427	1.45E-27	-0.38042	1.58E-17	-0.27983	7.54E-10	-0.5186
0.600998	3.43E-47	0.745658	5.13E-84	0.622215	2.15E-51	0.489351	1.72E-29	0.669095
0.539695	1.18E-36	0.723866	5.69E-77	0.483127	1.10E-28	0.420164	2.13E-21	0.590246
0.439029	2.00E-23	0.641552	1.62E-55	0.539249	1.38E-36	0.318807	1.71E-12	0.501072
0.497875	1.27E-30	0.74368	2.39E-83	0.530316	3.14E-35	0.374845	5.01E-17	0.437065
0.366996	2.46E-16	0.571288	8.26E-42	0.185423	5.55E-05	0.392684	1.14E-18	0.502994
0.619097	9.33E-51	0.575245	1.71E-42	0.550732	2.15E-38	0.467824	9.00E-27	0.495209
-0.26941	3.29E-09	-0.53704	3.01E-36	-0.51352	8.79E-33	-0.18901	3.94E-05	-0.38531
-0.18679	4.87E-05	-0.48648	4.07E-29	-0.45291	5.34E-25	-0.32385	7.28E-13	-0.41601
-0.25863	1.42E-08	-0.54607	1.19E-37	-0.53078	2.68E-35	-0.34925	7.66E-15	-0.47301
0.47296	2.10E-27	0.509183	3.59E-32	0.482993	1.14E-28	0.331248	2.02E-13	0.327959
0.454575	3.42E-25	0.611658	2.91E-49	0.367897	2.05E-16	0.220183	1.55E-06	0.391049
0.25483	2.34E-08	0.513338	9.34E-33	0.385825	5.03E-18	0.235933	2.50E-07	0.316966
0.551661	1.52E-38	0.713116	9.68E-74	0.576776	9.21E-43	0.411388	1.69E-20	0.548903
-0.28329	4.56E-10	-0.68465	7.34E-66	-0.61601	3.92E-50	-0.37206	8.85E-17	-0.50623
0.56667	5.07E-41	0.801997	#####	0.656763	5.66E-59	0.453083	5.10E-25	0.571822
0.436626	3.69E-23	0.735964	8.52E-81	0.634297	6.18E-54	0.401853	1.50E-19	0.529749
-0.3828	9.56E-18	-0.57983	2.67E-43	-0.57608	1.22E-42	-0.40143	1.65E-19	-0.51729
0.309235	8.32E-12	0.466243	1.40E-26	0.289093	1.93E-10	0.227198	6.99E-07	0.388223

-0.11424	0.0135	-0.39506	6.80E-19	-0.40092	1.85E-19	-0.08302	0.07308	-0.11009
0.496	2.27E-30	0.494994	3.10E-30	0.511428	1.74E-32	0.232136	3.93E-07	0.316109
0.427662	3.45E-22	0.431696	1.27E-22	0.39263	1.16E-18	0.359028	1.18E-15	0.556975
0.260373	1.13E-08	0.523478	3.24E-34	0.372665	7.83E-17	0.376209	3.78E-17	0.476247
0.264066	6.86E-09	0.396642	4.79E-19	0.342347	2.75E-14	0.305641	1.48E-11	0.371282
0.498353	1.10E-30	0.585382	2.71E-44	0.571607	7.28E-42	0.239055	1.71E-07	0.371738
0.445274	4.00E-24	0.72775	3.54E-78	0.574942	1.93E-42	0.381669	1.21E-17	0.451907
0.121199	0.00875	0.357154	1.70E-15	0.306665	1.26E-11	-0.05408	0.24343	0.001476
-0.26697	4.61E-09	-0.58207	1.07E-43	-0.35175	4.78E-15	-0.349	8.01E-15	-0.4954
0.572895	4.37E-42	0.84672	#####	0.644843	3.01E-56	0.461366	5.41E-26	0.61828
0.364342	4.17E-16	0.565214	8.94E-41	0.50321	2.40E-31	0.460205	7.43E-26	0.596965
-0.10084	0.02934	-0.45466	3.34E-25	-0.26989	3.08E-09	-0.16445	0.00036	-0.46726
0.6519	7.58E-58	0.727089	5.71E-78	0.620885	4.03E-51	0.381075	1.37E-17	0.496035
0.462682	3.76E-26	0.659008	1.68E-59	0.635079	4.20E-54	0.383759	7.80E-18	0.479022
0.593745	7.96E-46	0.804231	#####	0.747372	1.33E-84	0.475521	1.01E-27	0.531625
-0.26115	1.02E-08	-0.57703	8.30E-43	-0.40159	1.59E-19	-0.27806	9.73E-10	-0.39237
0.380735	1.48E-17	0.498088	1.19E-30	0.385024	5.97E-18	0.304202	1.87E-11	0.358413
0.243858	9.48E-08	0.527563	8.09E-35	0.451494	7.79E-25	0.351742	4.78E-15	0.580577
0.277654	1.03E-09	0.438205	2.47E-23	0.333463	1.36E-13	0.305093	1.62E-11	0.44548
0.447742	2.10E-24	0.43945	1.80E-23	0.47439	1.40E-27	0.284674	3.72E-10	0.394516
0.410071	2.29E-20	0.587041	1.36E-44	0.305451	1.53E-11	0.398568	3.13E-19	0.53288
-0.48711	3.38E-29	-0.68157	4.60E-65	-0.70093	2.96E-70	-0.26007	1.17E-08	-0.41255
0.568391	2.59E-41	0.830331	#####	0.739249	7.16E-82	0.442473	8.27E-24	0.646717
0.49151	8.96E-30	0.693854	2.62E-68	0.410815	1.93E-20	0.390737	1.75E-18	0.628263
0.297602	5.26E-11	0.412872	1.19E-20	0.390694	1.77E-18	0.331048	2.09E-13	0.572017
0.486952	3.53E-29	0.640986	2.16E-55	0.33837	5.67E-14	0.410227	2.21E-20	0.468298
0.571265	8.34E-42	0.637469	1.27E-54	0.54204	5.09E-37	0.473569	1.77E-27	0.533728
0.543747	2.75E-37	0.656822	5.49E-59	0.592414	1.40E-45	0.474374	1.40E-27	0.555328
0.272618	2.11E-09	0.456024	2.31E-25	0.39707	4.36E-19	0.300146	3.54E-11	0.207686
0.463313	3.16E-26	0.628983	8.37E-53	0.397668	3.82E-19	0.486069	4.60E-29	0.586764
0.501785	3.76E-31	0.560424	5.65E-40	0.415898	5.86E-21	0.298047	4.91E-11	0.355762
0.184987	5.78E-05	0.384212	7.09E-18	0.220847	1.44E-06	0.263626	7.28E-09	0.212672
0.387873	3.24E-18	0.674185	3.45E-63	0.535153	5.85E-36	0.400389	2.08E-19	0.444182
0.419263	2.64E-21	0.697303	3.00E-69	0.640198	3.23E-55	0.299469	3.94E-11	0.459577
0.36885	1.69E-16	0.513495	8.88E-33	0.364356	4.15E-16	0.416759	4.78E-21	0.552132
0.519114	1.40E-33	0.772071	1.38E-93	0.607769	1.69E-48	0.457464	1.57E-25	0.546454
0.262751	8.19E-09	0.698824	1.14E-69	0.49514	2.96E-30	0.367951	2.03E-16	0.550644
0.517268	2.57E-33	0.595075	4.50E-46	0.376514	3.55E-17	0.372965	7.36E-17	0.345942
0.332949	1.49E-13	0.450888	9.15E-25	0.387849	3.26E-18	0.361502	7.29E-16	0.264711
0.492881	5.91E-30	0.70995	8.12E-73	0.418065	3.51E-21	0.428885	2.55E-22	0.592228
0.402302	1.35E-19	0.671171	1.94E-62	0.451435	7.91E-25	0.385668	5.20E-18	0.40487
0.403569	1.02E-19	0.689594	3.64E-67	0.531595	2.02E-35	0.339138	4.94E-14	0.413788
0.242602	1.11E-07	0.412336	1.35E-20	0.328058	3.53E-13	0.157339	0.00064	0.054469
0.474132	1.50E-27	0.733816	4.21E-80	0.410569	2.04E-20	0.460873	6.19E-26	0.573395
0.20654	6.79E-06	0.422323	1.26E-21	0.328757	3.12E-13	0.146462	0.0015	0.312126

-0.18495	5.80E-05	-0.60195	2.25E-47	-0.54023	9.72E-37	-0.27627	1.26E-09	-0.50239
0.642458	1.02E-55	0.819911	#####	0.669258	5.74E-62	0.445547	3.73E-24	0.5689
0.715546	1.86E-74	0.782292	1.21E-97	0.773283	4.68E-94	0.407018	4.63E-20	0.520934
0.254971	2.30E-08	0.612195	2.27E-49	0.427141	3.92E-22	0.435186	5.30E-23	0.729674
0.422223	1.30E-21	0.573931	2.89E-42	0.425835	5.39E-22	0.270387	2.88E-09	0.238415
0.27114	2.59E-09	0.540974	7.45E-37	0.260891	1.05E-08	0.346075	1.38E-14	0.530244
-0.4223	1.27E-21	-0.5503	2.52E-38	-0.50045	5.71E-31	-0.34013	4.12E-14	-0.4307
-0.33293	1.50E-13	-0.64092	2.23E-55	-0.55378	6.94E-39	-0.38528	5.64E-18	-0.51542
0.415193	6.93E-21	0.749472	2.53E-85	0.609781	6.82E-49	0.292095	1.23E-10	0.45364
0.420908	1.78E-21	0.740533	2.69E-82	0.619338	8.34E-51	0.284802	3.65E-10	0.485008
0.375816	4.10E-17	0.628352	1.14E-52	0.334716	1.09E-13	0.396917	4.51E-19	0.562602
0.46428	2.42E-26	0.763666	2.09E-90	0.504717	1.49E-31	0.408706	3.14E-20	0.602456
0.375565	4.32E-17	0.450599	9.88E-25	0.311403	5.85E-12	0.37627	3.74E-17	0.44793
-0.15677	0.00067	-0.50668	8.01E-32	-0.4207	1.87E-21	-0.32544	5.55E-13	-0.56147
-0.44638	3.00E-24	-0.6985	1.41E-69	-0.55049	2.35E-38	-0.32192	1.01E-12	-0.45601
0.500983	4.84E-31	0.703443	5.87E-71	0.505549	1.15E-31	0.37506	4.79E-17	0.581144
0.58585	2.23E-44	0.771614	2.07E-93	0.594294	6.29E-46	0.371978	9.00E-17	0.478866
0.650787	1.36E-57	0.769365	1.51E-92	0.64908	3.34E-57	0.471692	3.02E-27	0.630576
0.44379	5.89E-24	0.670745	2.47E-62	0.445041	4.25E-24	0.520175	9.80E-34	0.73497
0.54412	2.41E-37	0.791047	#####	0.546476	1.02E-37	0.504988	1.37E-31	0.645498
0.580572	1.97E-43	0.851807	#####	0.705749	1.31E-71	0.503679	2.07E-31	0.523037
0.715001	2.69E-74	0.79979	#####	0.665746	4.12E-61	0.453277	4.84E-25	0.68233
0.331536	1.92E-13	0.342508	2.67E-14	0.341233	3.37E-14	0.25518	2.24E-08	0.267147
-0.28413	4.03E-10	-0.3338	1.29E-13	-0.3173	2.21E-12	-0.25055	4.07E-08	-0.38694
0.278387	9.28E-10	0.439534	1.76E-23	0.274403	1.64E-09	0.228769	5.83E-07	0.273534
0.235895	2.51E-07	0.441959	9.45E-24	0.237229	2.14E-07	0.201339	1.16E-05	0.480411
0.44251	8.19E-24	0.545758	1.33E-37	0.426715	4.35E-22	0.313094	4.43E-12	0.435783
-0.18605	5.23E-05	-0.52162	6.05E-34	-0.26724	4.45E-09	-0.18878	4.03E-05	-0.2065
0.465849	1.56E-26	0.769184	1.77E-92	0.523114	3.66E-34	0.426017	5.16E-22	0.778171
0.488643	2.13E-29	0.573894	2.93E-42	0.458659	1.13E-25	0.321161	1.15E-12	0.381358
0.606128	3.53E-48	0.793079	#####	0.652479	5.58E-58	0.462722	3.72E-26	0.520434
0.531403	2.16E-35	0.742503	5.94E-83	0.567908	3.13E-41	0.508677	4.22E-32	0.710453
0.542165	4.86E-37	0.764827	7.76E-91	0.695623	8.65E-69	0.40051	2.03E-19	0.43219
0.407639	4.02E-20	0.662392	2.64E-60	0.444219	5.27E-24	0.357633	1.55E-15	0.405227
0.484544	7.24E-29	0.563115	2.01E-40	0.530713	2.74E-35	0.305231	1.58E-11	0.48235
0.39455	7.60E-19	0.625064	5.53E-52	0.606304	3.26E-48	0.425057	6.52E-22	0.543208
-0.26611	5.19E-09	-0.57771	6.32E-43	-0.5123	1.31E-32	-0.23709	2.17E-07	-0.42571
-0.21179	3.89E-06	-0.36949	1.49E-16	-0.27326	1.93E-09	-0.21747	2.10E-06	-0.40037
0.356285	2.01E-15	0.543397	3.12E-37	0.41523	6.87E-21	0.439319	1.86E-23	0.455662
-0.40818	3.54E-20	-0.63951	4.57E-55	-0.56981	1.48E-41	-0.34235	2.75E-14	-0.48532
0.662514	2.47E-60	0.767018	1.17E-91	0.573019	4.15E-42	0.501267	4.43E-31	0.720158
-0.29177	1.29E-10	-0.47475	1.26E-27	-0.4719	2.85E-27	-0.42173	1.46E-21	-0.43693
-0.12172	0.00846	-0.39969	2.43E-19	-0.26996	3.05E-09	-0.23697	2.20E-07	-0.19223
0.403857	9.52E-20	0.57171	6.99E-42	0.479446	3.24E-28	0.30542	1.54E-11	0.382869
0.501258	4.44E-31	0.686052	3.14E-66	0.583792	5.24E-44	0.480085	2.69E-28	0.599847

0.376781	3.36E-17	0.527002	9.80E-35	0.533196	1.16E-35	0.29191	1.26E-10	0.503503
0.620515	4.80E-51	0.845164	#####	0.742599	5.52E-83	0.511784	1.55E-32	0.65312
0.368662	1.76E-16	0.642377	1.07E-55	0.571355	8.05E-42	0.392442	1.21E-18	0.557488
0.601365	2.92E-47	0.784765	1.17E-98	0.649692	2.43E-57	0.395323	6.41E-19	0.522506
0.537971	2.17E-36	0.714937	2.81E-74	0.604061	8.86E-48	0.451992	6.82E-25	0.558171
-0.20912	5.18E-06	-0.51325	9.63E-33	-0.42004	2.19E-21	-0.15788	0.00062	-0.24743
0.367373	2.28E-16	0.559421	8.27E-40	0.451739	7.30E-25	0.328807	3.09E-13	0.560406
0.645756	1.88E-56	0.845056	#####	0.740851	2.11E-82	0.49026	1.31E-29	0.589038
0.455632	2.57E-25	0.696617	4.63E-69	0.604164	8.47E-48	0.436206	4.10E-23	0.638069
0.339401	4.71E-14	0.351176	5.32E-15	0.328947	3.02E-13	0.27903	8.46E-10	0.283741
0.49096	1.06E-29	0.543742	2.76E-37	0.474618	1.31E-27	0.433662	7.78E-23	0.563513
-0.22221	1.23E-06	-0.46663	1.26E-26	-0.41523	6.87E-21	-0.16001	0.00052	-0.14977
0.401121	1.77E-19	0.726221	1.06E-77	0.630097	4.87E-53	0.368429	1.84E-16	0.440904
0.206226	7.02E-06	0.490561	1.19E-29	0.409799	2.44E-20	0.193749	2.49E-05	0.406029
0.331835	1.82E-13	0.404424	8.37E-20	0.315851	2.81E-12	0.322597	9.03E-13	0.409309
0.35181	4.72E-15	0.484053	8.37E-29	0.467609	9.56E-27	0.294428	8.58E-11	0.498752
0.679779	1.33E-64	0.699549	7.20E-70	0.698791	1.17E-69	0.488846	2.00E-29	0.608366
0.271969	2.31E-09	0.340096	4.15E-14	0.363708	4.72E-16	0.060507	0.19181	0.322408
0.395856	5.70E-19	0.60165	2.57E-47	0.263555	7.35E-09	0.395668	5.95E-19	0.6335
0.55872	1.08E-39	0.820009	#####	0.699027	1.00E-69	0.395676	5.94E-19	0.694304
0.36048	8.90E-16	0.39124	1.57E-18	0.261582	9.59E-09	0.335024	1.03E-13	0.400353
0.346671	1.24E-14	0.420136	2.14E-21	0.327679	3.77E-13	0.244224	9.05E-08	0.04894
0.611127	3.70E-49	0.717472	4.95E-75	0.731605	2.15E-79	0.404148	8.91E-20	0.529116
0.279178	8.28E-10	0.523377	3.35E-34	0.438235	2.45E-23	0.273439	1.88E-09	0.502001
0.308034	1.01E-11	0.468919	6.61E-27	0.339688	4.47E-14	0.329699	2.65E-13	0.367437
0.364378	4.14E-16	0.542228	4.75E-37	0.455102	2.97E-25	0.168517	0.00025	0.231982
0.669468	5.10E-62	0.735564	1.15E-80	0.640377	2.95E-55	0.332161	1.72E-13	0.461508
0.360746	8.45E-16	0.445673	3.61E-24	0.30528	1.57E-11	0.241206	1.32E-07	0.30658
0.339536	4.59E-14	0.607695	1.75E-48	0.398889	2.91E-19	0.341239	3.37E-14	0.592773
-0.15092	0.00107	-0.42738	3.70E-22	-0.24236	1.14E-07	-0.24792	5.69E-08	-0.45454
0.417444	4.07E-21	0.682608	2.48E-65	0.487163	3.32E-29	0.439231	1.90E-23	0.616969
0.458206	1.28E-25	0.705872	1.20E-71	0.458482	1.19E-25	0.461816	4.78E-26	0.52593
0.362347	6.18E-16	0.425351	6.07E-22	0.416459	5.14E-21	0.305303	1.57E-11	0.539471
0.42595	5.24E-22	0.457587	1.52E-25	0.322576	9.06E-13	0.372273	8.47E-17	0.5506
0.061116	0.18736	0.437783	2.75E-23	0.20873	5.40E-06	0.135169	0.00343	0.300549
0.207115	6.40E-06	0.396941	4.49E-19	0.305847	1.44E-11	0.169208	0.00024	0.275801
0.450007	1.16E-24	0.683644	1.34E-65	0.591133	2.42E-45	0.319391	1.55E-12	0.618044
0.40569	6.27E-20	0.433583	7.93E-23	0.320592	1.27E-12	0.321755	1.04E-12	0.383862
0.634347	6.03E-54	0.662627	2.32E-60	0.497943	1.25E-30	0.47817	4.70E-28	0.641973
0.505544	1.15E-31	0.636561	2.01E-54	0.410332	2.16E-20	0.472403	2.47E-27	0.591774
0.308995	8.65E-12	0.397287	4.16E-19	0.351719	4.80E-15	0.279579	7.82E-10	0.205143
0.317625	2.09E-12	0.427833	3.30E-22	0.283515	4.41E-10	0.285144	3.47E-10	0.503166
0.31929	1.58E-12	0.376937	3.25E-17	0.292756	1.11E-10	0.273155	1.95E-09	0.359003
0.512215	1.35E-32	0.568861	2.15E-41	0.448998	1.51E-24	0.272243	2.22E-09	0.321655
0.272516	2.14E-09	0.368932	1.67E-16	0.38605	4.79E-18	0.256116	1.98E-08	0.250967

-0.34043	3.91E-14	-0.59275	1.22E-45	-0.52635	1.22E-34	-0.3261	4.95E-13	-0.28186
0.298698	4.44E-11	0.413065	1.14E-20	0.27572	1.36E-09	0.166547	0.0003	0.246828
0.456087	2.28E-25	0.4851	6.14E-29	0.462378	4.09E-26	0.344921	1.71E-14	0.464086
0.008583	0.85324	-0.40906	2.90E-20	-0.17054	0.00021	-0.19628	1.94E-05	-0.22135
-0.33969	4.47E-14	-0.54141	6.38E-37	-0.49808	1.20E-30	-0.24902	4.95E-08	-0.31546
-0.26315	7.76E-09	-0.59518	4.30E-46	-0.43159	1.31E-22	-0.4017	1.55E-19	-0.40815
0.591711	1.89E-45	0.622154	2.21E-51	0.530598	2.85E-35	0.39932	2.64E-19	0.431934
-0.08624	0.0626	-0.39557	6.08E-19	-0.3533	3.56E-15	-0.0324	0.48492	-0.1833
-0.13802	0.0028	-0.49103	1.04E-29	-0.35603	2.11E-15	-0.19606	1.98E-05	-0.36858
-0.49939	7.97E-31	-0.7248	2.94E-77	-0.59356	8.60E-46	-0.31074	6.51E-12	-0.40888
0.261753	9.37E-09	0.566605	5.20E-41	0.411262	1.74E-20	0.415726	6.11E-21	0.539392
0.37168	9.56E-17	0.37606	3.90E-17	0.375164	4.69E-17	0.213036	3.40E-06	0.1633
0.249766	4.50E-08	0.38381	7.72E-18	0.401615	1.58E-19	0.25011	4.31E-08	0.207497
0.53235	1.56E-35	0.537209	2.84E-36	0.512994	1.05E-32	0.418723	3.00E-21	0.249124
0.509372	3.38E-32	0.76952	1.32E-92	0.677325	5.59E-64	0.468718	7.00E-27	0.42343
0.416546	5.03E-21	0.760781	2.41E-89	0.61073	4.43E-49	0.455746	2.50E-25	0.518248
0.401599	1.59E-19	0.502849	2.69E-31	0.430997	1.51E-22	0.307603	1.08E-11	0.455214
0.314759	3.37E-12	0.451346	8.10E-25	0.414554	8.05E-21	0.073003	0.11515	0.052271
0.523976	2.74E-34	0.658467	2.26E-59	0.576099	1.21E-42	0.408763	3.10E-20	0.648433
0.629439	6.70E-53	0.742858	4.52E-83	0.694622	1.62E-68	0.483118	1.10E-28	0.686295
0.554271	5.77E-39	0.492388	6.86E-30	0.393721	9.12E-19	0.197616	1.70E-05	0.248014
0.420734	1.85E-21	0.688471	7.24E-67	0.596701	2.23E-46	0.354284	2.95E-15	0.492775
0.324943	6.04E-13	0.721683	2.65E-76	0.54399	2.52E-37	0.292754	1.11E-10	0.395007
0.688454	7.31E-67	0.845131	#####	0.838348	#####	0.454427	3.56E-25	0.543869
0.501802	3.74E-31	0.630822	3.42E-53	0.549343	3.59E-38	0.471977	2.78E-27	0.572499
0.491582	8.77E-30	0.755058	2.78E-87	0.516461	3.36E-33	0.444475	4.93E-24	0.623895
0.50199	3.53E-31	0.698796	1.16E-69	0.493074	5.57E-30	0.376535	3.54E-17	0.484894
0.232027	3.98E-07	0.437685	2.82E-23	0.373405	6.73E-17	0.131099	0.00454	-0.00674
0.417041	4.47E-21	0.466428	1.33E-26	0.450968	8.96E-25	0.403298	1.08E-19	0.369737
0.370322	1.26E-16	0.753924	7.02E-87	0.64757	7.34E-57	0.336745	7.60E-14	0.568587
-0.3005	3.35E-11	-0.55001	2.80E-38	-0.39931	2.65E-19	-0.40698	4.67E-20	-0.35403
0.271326	2.52E-09	0.618084	1.50E-50	0.595198	4.27E-46	0.37667	3.44E-17	0.34585
0.632601	1.43E-53	0.767632	6.87E-92	0.540582	8.57E-37	0.474942	1.19E-27	0.50421
0.572766	4.60E-42	0.695657	8.46E-69	0.550607	2.25E-38	0.431518	1.33E-22	0.570931
0.330553	2.28E-13	0.360191	9.42E-16	0.301091	3.05E-11	0.25987	1.21E-08	0.260105
-0.11716	0.01129	-0.38852	2.82E-18	-0.32736	3.98E-13	-0.19138	3.14E-05	-0.29347
-0.51002	2.74E-32	-0.53984	1.11E-36	-0.51726	2.58E-33	-0.22925	5.51E-07	-0.22291
-0.17334	0.00017	-0.34724	1.11E-14	-0.26854	3.72E-09	-0.10215	0.0273	-0.31789
0.487653	2.87E-29	0.720946	4.44E-76	0.513924	7.72E-33	0.479394	3.29E-28	0.712353
0.601525	2.72E-47	0.761746	1.07E-89	0.49088	1.08E-29	0.556956	2.11E-39	0.691466
0.601206	3.13E-47	0.702372	1.17E-70	0.577651	6.47E-43	0.470745	3.95E-27	0.660343
0.35729	1.65E-15	0.668368	9.49E-62	0.530451	3.00E-35	0.359365	1.11E-15	0.408353
0.357035	1.74E-15	0.508834	4.01E-32	0.390533	1.83E-18	0.289124	1.92E-10	0.478436
0.377568	2.86E-17	0.601804	2.41E-47	0.373546	6.54E-17	0.350237	6.35E-15	0.578397
0.385757	5.10E-18	0.605658	4.36E-48	0.591571	2.01E-45	0.298975	4.25E-11	0.577179

0.328937	3.02E-13	0.457141	1.71E-25	0.404259	8.69E-20	0.159045	0.00056	0.174329
0.500479	5.66E-31	0.821177	#####	0.532957	1.26E-35	0.471956	2.80E-27	0.622308
0.154882	0.00078	0.418692	3.02E-21	0.330641	2.25E-13	0.134223	0.00366	0.490817
0.481752	1.65E-28	0.528211	6.48E-35	0.535697	4.83E-36	0.187544	4.54E-05	0.351535
0.325317	5.67E-13	0.73617	7.30E-81	0.542382	4.50E-37	0.420334	2.04E-21	0.645526
-0.12322	0.00768	-0.38324	8.71E-18	-0.28144	5.97E-10	-0.09749	0.03519	-0.13162
0.470824	3.86E-27	0.469847	5.09E-27	0.519684	1.15E-33	0.288693	2.05E-10	0.510146
0.628932	8.58E-53	0.730332	5.45E-79	0.465734	1.61E-26	0.484507	7.32E-29	0.537217
0.514536	6.32E-33	0.853893	#####	0.778668	3.52E-96	0.394626	7.48E-19	0.624762
0.230563	4.72E-07	0.494765	3.32E-30	0.495878	2.36E-30	0.166038	0.00031	0.381974
0.478914	3.78E-28	0.653905	2.62E-58	0.527784	7.50E-35	0.420821	1.82E-21	0.39566
0.522528	4.46E-34	0.77223	1.20E-93	0.659887	1.04E-59	0.4071	4.54E-20	0.554778
0.535265	5.62E-36	0.606256	3.33E-48	0.559546	7.89E-40	0.376623	3.47E-17	0.432573
0.392672	1.15E-18	0.559468	8.13E-40	0.454839	3.19E-25	0.388111	3.08E-18	0.359131
0.21207	3.78E-06	0.444033	5.53E-24	0.284809	3.64E-10	0.330604	2.26E-13	0.572727
0.693331	3.63E-68	0.785628	5.13E-99	0.651018	1.21E-57	0.429839	2.02E-22	0.593483
-0.50107	4.70E-31	-0.66607	3.44E-61	-0.59058	3.06E-45	-0.35529	2.43E-15	-0.34703
0.575677	1.43E-42	0.730698	4.17E-79	0.650151	1.91E-57	0.356989	1.75E-15	0.510478
0.385436	5.46E-18	0.496523	1.93E-30	0.544104	2.42E-37	0.151678	0.00101	0.353983
0.370968	1.10E-16	0.506545	8.35E-32	0.486168	4.47E-29	0.271581	2.44E-09	0.420936
0.539683	1.18E-36	0.652795	4.72E-58	0.628194	1.23E-52	0.341769	3.06E-14	0.240702
0.378503	2.35E-17	0.612343	2.12E-49	0.517304	2.54E-33	0.267829	4.10E-09	0.583057
0.34997	6.68E-15	0.701918	1.57E-70	0.511919	1.48E-32	0.418544	3.13E-21	0.56173
0.649347	2.91E-57	0.868422	#####	0.762076	8.09E-90	0.475455	1.03E-27	0.594051
0.307212	1.15E-11	0.384145	7.19E-18	0.37596	3.98E-17	0.245514	7.71E-08	0.305196
-0.31351	4.14E-12	-0.53321	1.15E-35	-0.41797	3.59E-21	-0.24412	9.17E-08	-0.29474
0.48193	1.57E-28	0.736137	7.48E-81	0.600899	3.58E-47	0.26537	5.74E-09	0.433611
-0.42895	2.51E-22	-0.53679	3.29E-36	-0.51385	7.92E-33	-0.18501	5.77E-05	-0.36571
0.642974	7.86E-56	0.763996	1.58E-90	0.518674	1.62E-33	0.414187	8.77E-21	0.674048
0.46641	1.34E-26	0.793238	#####	0.718916	1.83E-75	0.315185	3.14E-12	0.476825
0.350273	6.31E-15	0.475852	9.18E-28	0.492623	6.39E-30	0.048731	0.29331	-8.36E-05
0.325778	5.23E-13	0.588764	6.59E-45	0.375445	4.43E-17	0.402742	1.23E-19	0.530699
0.531778	1.90E-35	0.68562	4.08E-66	0.549119	3.89E-38	0.326865	4.34E-13	0.384281
0.224145	9.92E-07	0.530194	3.28E-35	0.255587	2.12E-08	0.365593	3.25E-16	0.485442
0.133691	0.0038	0.337855	6.22E-14	0.176165	0.00013	0.29498	7.89E-11	0.262539
0.458423	1.21E-25	0.572009	6.21E-42	0.380949	1.41E-17	0.478446	4.33E-28	0.557846
0.278728	8.84E-10	0.538106	2.07E-36	0.451625	7.52E-25	0.210238	4.60E-06	0.18602
0.189579	3.73E-05	0.395387	6.32E-19	0.389643	2.22E-18	0.075986	0.101	0.011659
0.297771	5.13E-11	0.442086	9.14E-24	0.234656	2.91E-07	0.232193	3.90E-07	0.327897
0.485451	5.53E-29	0.59877	9.08E-47	0.360648	8.62E-16	0.528231	6.44E-35	0.552904
0.669805	4.22E-62	0.636954	1.65E-54	0.586724	1.55E-44	0.397529	3.94E-19	0.409369
0.366913	2.50E-16	0.581526	1.33E-43	0.428631	2.72E-22	0.365767	3.14E-16	0.583683
0.376214	3.78E-17	0.550104	2.71E-38	0.467973	8.63E-27	0.483247	1.06E-28	0.696285
0.558794	1.05E-39	0.695425	9.80E-69	0.565475	8.08E-41	0.497724	1.33E-30	0.625808
0.494523	3.58E-30	0.542687	4.03E-37	0.441721	1.00E-23	0.472399	2.47E-27	0.539096

0.450495	1.02E-24	0.656802	5.55E-59	0.566812	4.80E-41	0.312063	5.25E-12	0.409372
0.635218	3.92E-54	0.675748	1.40E-63	0.625113	5.40E-52	0.547795	6.32E-38	0.54621
0.558864	1.02E-39	0.614871	6.66E-50	0.455929	2.37E-25	0.426215	4.91E-22	0.484798
0.483729	9.21E-29	0.564938	9.95E-41	0.459494	9.02E-26	0.41643	5.17E-21	0.549209
0.211389	4.06E-06	0.341006	3.52E-14	0.374045	5.90E-17	0.13802	0.0028	0.184288
0.509793	2.95E-32	0.834244	#####	0.608518	1.21E-48	0.442393	8.45E-24	0.674164
0.571158	8.70E-42	0.851692	#####	0.825758	#####	0.506909	7.43E-32	0.596345
0.287042	2.62E-10	0.364511	4.03E-16	0.341046	3.49E-14	0.180514	8.75E-05	0.048075
0.380508	1.55E-17	0.612098	2.38E-49	0.495457	2.68E-30	0.227349	6.87E-07	0.242908
0.503168	2.44E-31	0.659184	1.53E-59	0.568891	2.13E-41	0.425884	5.33E-22	0.66785
0.376484	3.57E-17	0.533034	1.23E-35	0.398394	3.25E-19	0.196724	1.85E-05	0.430127
-0.07304	0.11496	-0.54347	3.04E-37	-0.38983	2.13E-18	-0.17207	0.00019	-0.28216
0.513376	9.23E-33	0.781995	1.60E-97	0.733957	3.79E-80	0.43499	5.57E-23	0.513131
0.465602	1.67E-26	0.639708	4.13E-55	0.639606	4.35E-55	0.362789	5.66E-16	0.529401
0.516074	3.81E-33	0.534037	8.64E-36	0.477425	5.83E-28	0.331984	1.77E-13	0.555824
0.533306	1.12E-35	0.703735	4.86E-71	0.528501	5.87E-35	0.441823	9.78E-24	0.663029
0.283349	4.52E-10	0.493492	4.90E-30	0.416512	5.07E-21	0.300056	3.59E-11	0.322118
0.415588	6.31E-21	0.563582	1.68E-40	0.54584	1.29E-37	0.243096	1.04E-07	0.120341
0.556118	2.89E-39	0.693577	3.11E-68	0.601731	2.48E-47	0.469729	5.26E-27	0.629787
0.303717	2.02E-11	0.506863	7.54E-32	0.386063	4.78E-18	0.283533	4.40E-10	0.339013
0.167767	0.00027	0.410462	2.09E-20	0.399319	2.64E-19	0.012844	0.78191	0.097663
0.523206	3.55E-34	0.577309	7.43E-43	0.490165	1.35E-29	0.407566	4.08E-20	0.405248
-0.22566	8.34E-07	-0.56815	2.84E-41	-0.43235	1.08E-22	-0.29104	1.44E-10	-0.6131
0.538447	1.83E-36	0.706091	1.04E-71	0.58173	1.23E-43	0.439051	1.99E-23	0.450439
0.668336	9.66E-62	0.877466	#####	0.735791	9.70E-81	0.55545	3.71E-39	0.705123
0.477168	6.28E-28	0.596283	2.67E-46	0.486245	4.36E-29	0.396874	4.55E-19	0.269419
0.464993	1.98E-26	0.568211	2.78E-41	0.578067	5.46E-43	0.203271	9.54E-06	0.246122
0.685528	4.31E-66	0.785491	5.85E-99	0.60242	1.83E-47	0.479018	3.67E-28	0.606539
0.559896	6.91E-40	0.737337	3.04E-81	0.77375	3.08E-94	0.483796	9.03E-29	0.62425
0.273362	1.90E-09	0.724992	2.56E-77	0.429618	2.13E-22	0.374042	5.91E-17	0.456103
0.194171	2.39E-05	0.482693	1.25E-28	0.292917	1.08E-10	0.159936	0.00052	0.13581
0.694523	1.72E-68	0.831979	#####	0.635983	2.68E-54	0.432152	1.13E-22	0.567211
0.331362	1.98E-13	0.538437	1.84E-36	0.323497	7.74E-13	0.327505	3.88E-13	0.39047
0.231362	4.30E-07	0.371344	1.02E-16	0.268423	3.78E-09	0.162165	0.00043	0.233859
0.335583	9.36E-14	0.536546	3.59E-36	0.398999	2.84E-19	0.247784	5.79E-08	0.436295
0.390536	1.83E-18	0.451087	8.68E-25	0.230567	4.72E-07	0.248048	5.60E-08	0.365436
0.640955	2.20E-55	0.725956	1.28E-77	0.581697	1.24E-43	0.468217	8.06E-27	0.609778
0.709479	1.11E-72	0.897132	#####	0.785862	4.10E-99	0.573641	3.24E-42	0.693626
-0.16484	0.00035	-0.38062	1.51E-17	-0.3605	8.87E-16	-0.17922	9.85E-05	-0.30776
0.557351	1.81E-39	0.732016	1.59E-79	0.689769	3.27E-67	0.367501	2.22E-16	0.530066
0.396296	5.18E-19	0.388275	2.98E-18	0.324556	6.46E-13	0.227836	6.49E-07	0.107524
0.681684	4.30E-65	0.82418	#####	0.618042	1.53E-50	0.552451	1.14E-38	0.612862
0.36461	3.95E-16	0.685531	4.31E-66	0.475415	1.04E-27	0.347262	1.11E-14	0.591474
0.426974	4.08E-22	0.546488	1.02E-37	0.494097	4.07E-30	0.370734	1.16E-16	0.430951
0.444317	5.13E-24	0.702063	1.43E-70	0.486023	4.66E-29	0.347329	1.10E-14	0.650029



0.535423	5.32E-36	0.631272	2.74E-53	0.473016	2.07E-27	0.520126	9.97E-34	0.68392
0.440129	1.51E-23	0.482684	1.25E-28	0.468396	7.66E-27	0.303385	2.13E-11	0.318497
0.37349	6.61E-17	0.550825	2.08E-38	0.407052	4.59E-20	0.41203	1.45E-20	0.571269
0.300688	3.25E-11	0.502926	2.63E-31	0.384361	6.87E-18	0.259105	1.33E-08	0.422168
-0.2199	1.60E-06	-0.62741	1.80E-52	-0.47713	6.35E-28	-0.26055	1.10E-08	-0.29233
0.60654	2.94E-48	0.727158	5.43E-78	0.627259	1.93E-52	0.432684	9.94E-23	0.647837
0.543154	3.41E-37	0.728437	2.16E-78	0.656479	6.60E-59	0.335566	9.39E-14	0.529375
0.504971	1.38E-31	0.575358	1.63E-42	0.556727	2.29E-39	0.419747	2.35E-21	0.659665
0.348041	9.59E-15	0.466956	1.15E-26	0.397545	3.92E-19	0.267863	4.08E-09	0.244691
0.444075	5.47E-24	0.691319	1.26E-67	0.61693	2.57E-50	0.373405	6.73E-17	0.469864
0.317624	2.09E-12	0.515287	4.94E-33	0.508602	4.32E-32	0.175435	0.00014	0.158231
0.396245	5.23E-19	0.674846	2.36E-63	0.661495	4.33E-60	0.232729	3.66E-07	0.234753
0.524473	2.31E-34	0.693803	2.70E-68	0.63004	5.00E-53	0.388729	2.70E-18	0.326738
0.663444	1.48E-60	0.74293	4.27E-83	0.716339	1.08E-74	0.394024	8.54E-19	0.418976
0.327363	3.98E-13	0.491532	8.90E-30	0.344799	1.75E-14	0.331324	1.99E-13	0.204024
0.323338	7.95E-13	0.546395	1.05E-37	0.461279	5.54E-26	0.32444	6.59E-13	0.591005
0.260384	1.13E-08	0.503972	1.89E-31	0.279329	8.10E-10	0.365019	3.64E-16	0.481517
0.461752	4.86E-26	0.594512	5.73E-46	0.435372	5.06E-23	0.370989	1.10E-16	0.324058
0.621974	2.41E-51	0.88536	#####	0.742039	8.50E-83	0.428138	3.07E-22	0.598341
0.37967	1.84E-17	0.6139	1.04E-49	0.35286	3.87E-15	0.451052	8.76E-25	0.546534
0.572486	5.14E-42	0.808936	#####	0.548333	5.19E-38	0.561925	3.18E-40	0.824252
0.311825	5.46E-12	0.658674	2.02E-59	0.611291	3.44E-49	0.376801	3.35E-17	0.520171
-0.3353	9.85E-14	-0.42133	1.60E-21	-0.40717	4.47E-20	-0.18098	8.39E-05	-0.17229
-0.28725	2.54E-10	-0.49072	1.14E-29	-0.38697	3.94E-18	-0.22119	1.39E-06	-0.41192
0.638961	6.02E-55	0.732469	1.14E-79	0.712835	1.17E-73	0.444594	4.78E-24	0.565454
0.395455	6.23E-19	0.4306	1.67E-22	0.442761	7.68E-24	0.215586	2.58E-06	0.184559
0.621957	2.43E-51	0.795948	#####	0.649389	2.84E-57	0.489291	1.75E-29	0.736328
-0.17034	0.00022	-0.46876	6.91E-27	-0.45778	1.44E-25	-0.12279	0.0079	-0.16629
0.46327	3.20E-26	0.586176	1.95E-44	0.476459	7.71E-28	0.457733	1.46E-25	0.66202
0.702836	8.70E-71	0.831034	#####	0.641719	1.49E-55	0.536818	3.26E-36	0.6945
-0.02854	0.53844	-0.3876	3.44E-18	-0.17068	0.00021	-0.19317	2.64E-05	-0.39644
0.546206	1.13E-37	0.647749	6.69E-57	0.520689	8.26E-34	0.577313	7.41E-43	0.625804
0.444672	4.68E-24	0.611368	3.32E-49	0.524286	2.47E-34	0.245018	8.20E-08	0.534311
0.607602	1.82E-48	0.881761	#####	0.77568	5.39E-95	0.469754	5.23E-27	0.689053
0.322162	9.72E-13	0.461617	5.04E-26	0.463932	2.66E-26	0.366444	2.74E-16	0.293433
0.166377	0.00031	0.369145	1.60E-16	0.34847	8.86E-15	0.15488	0.00078	0.310812
0.538191	2.01E-36	0.651834	7.86E-58	0.550887	2.03E-38	0.360103	9.58E-16	0.426464
0.580343	2.16E-43	0.822996	#####	0.61311	1.50E-49	0.424297	7.84E-22	0.583582
0.55835	1.24E-39	0.836992	#####	0.574415	2.38E-42	0.492739	6.17E-30	0.581314
0.462441	4.02E-26	0.681894	3.80E-65	0.503337	2.31E-31	0.402682	1.24E-19	0.590058
0.611653	2.91E-49	0.651325	1.03E-57	0.647568	7.35E-57	0.326433	4.67E-13	0.280967
0.556583	2.42E-39	0.674638	2.66E-63	0.494248	3.89E-30	0.514483	6.43E-33	0.578405
0.531862	1.84E-35	0.683463	1.49E-65	0.491054	1.03E-29	0.422471	1.22E-21	0.524717
0.379185	2.04E-17	0.738723	1.07E-81	0.533946	8.92E-36	0.351522	4.99E-15	0.551197
0.274577	1.60E-09	0.666334	2.97E-61	0.541323	6.58E-37	0.208711	5.41E-06	0.359097

0.517928	2.07E-33	0.611185	3.60E-49	0.548243	5.37E-38	0.314303	3.63E-12	0.43524
0.698071	1.84E-69	0.688098	9.09E-67	0.626097	3.37E-52	0.430765	1.60E-22	0.422441
0.201183	1.18E-05	0.459566	8.85E-26	0.356568	1.90E-15	0.40061	1.98E-19	0.342827
0.614924	6.49E-50	0.677339	5.55E-64	0.662996	1.90E-60	0.460804	6.31E-26	0.548599
-0.09865	0.03307	-0.35041	6.15E-15	-0.32578	5.23E-13	-0.11774	0.01088	-0.25673
0.614393	8.29E-50	0.716112	1.26E-74	0.794933	#####	0.359302	1.12E-15	0.29946
0.306614	1.27E-11	0.310529	6.74E-12	0.275272	1.45E-09	0.189439	3.79E-05	0.337846
0.733823	4.19E-80	0.797244	#####	0.772231	1.20E-93	0.416473	5.12E-21	0.505295
0.498713	9.82E-31	0.759781	5.58E-89	0.741251	1.56E-82	0.384413	6.79E-18	0.447165
0.583445	6.05E-44	0.779302	1.96E-96	0.682928	2.05E-65	0.478596	4.15E-28	0.645284
0.581056	1.62E-43	0.539451	1.28E-36	0.425744	5.51E-22	0.341685	3.11E-14	0.273427
0.440762	1.29E-23	0.441912	9.56E-24	0.432958	9.28E-23	0.378443	2.38E-17	0.363715
0.370496	1.22E-16	0.603266	1.26E-47	0.384476	6.70E-18	0.437273	3.13E-23	0.63153
0.446457	2.94E-24	0.517613	2.30E-33	0.381687	1.21E-17	0.465843	1.57E-26	0.480938
0.362349	6.17E-16	0.573717	3.14E-42	0.321008	1.18E-12	0.413674	9.90E-21	0.519852
0.731987	1.62E-79	0.735992	8.34E-81	0.654657	1.75E-58	0.48697	3.52E-29	0.499702
-0.23436	3.01E-07	-0.51678	3.02E-33	-0.43113	1.46E-22	-0.21273	3.52E-06	-0.2369
-0.22646	7.61E-07	-0.52978	3.78E-35	-0.4798	2.93E-28	-0.29332	1.02E-10	-0.27271
0.456994	1.78E-25	0.717877	3.75E-75	0.435144	5.36E-23	0.386467	4.39E-18	0.591619
0.712801	1.20E-73	0.844464	#####	0.808494	#####	0.4792	3.48E-28	0.556202
0.346944	1.18E-14	0.616903	2.60E-50	0.330981	2.11E-13	0.386699	4.17E-18	0.474663
0.726319	9.91E-78	0.835055	#####	0.742014	8.66E-83	0.483916	8.72E-29	0.541437
0.336154	8.45E-14	0.491431	9.18E-30	0.490328	1.28E-29	0.266039	5.24E-09	0.337201
0.601652	2.57E-47	0.796023	#####	0.57	1.37E-41	0.520227	9.64E-34	0.65621
0.657631	3.55E-59	0.819105	#####	0.611948	2.54E-49	0.482427	1.35E-28	0.634375
-0.17443	0.00015	-0.57783	6.02E-43	-0.57042	1.17E-41	-0.1813	8.14E-05	-0.28371
0.603884	9.59E-48	0.755144	2.59E-87	0.75711	5.15E-88	0.428196	3.02E-22	0.484549
0.460177	7.49E-26	0.668555	8.54E-62	0.571505	7.58E-42	0.285281	3.40E-10	0.373082
0.583463	6.00E-44	0.689986	2.86E-67	0.663039	1.85E-60	0.352435	4.19E-15	0.405584
0.412187	1.40E-20	0.549534	3.34E-38	0.541909	5.33E-37	0.334612	1.11E-13	0.573147
0.477593	5.55E-28	0.729615	9.19E-79	0.497663	1.36E-30	0.422514	1.21E-21	0.606764
-0.41007	2.29E-20	-0.46896	6.54E-27	-0.47652	7.57E-28	-0.26638	5.00E-09	-0.3472
0.396915	4.51E-19	0.48087	2.14E-28	0.393802	8.96E-19	0.20034	1.29E-05	0.201784
-0.17356	0.00016	-0.45183	7.12E-25	-0.34398	2.04E-14	-0.08272	0.07411	-0.22317
0.415024	7.21E-21	0.831682	#####	0.675736	1.41E-63	0.400814	1.89E-19	0.592193
0.566648	5.12E-41	0.87801	#####	0.694959	1.31E-68	0.437951	2.63E-23	0.579706
0.200655	1.25E-05	0.51093	2.04E-32	0.223983	1.01E-06	0.314276	3.65E-12	0.415034
0.596123	2.86E-46	0.705466	1.57E-71	0.523355	3.38E-34	0.512234	1.34E-32	0.692949
0.40442	8.38E-20	0.707333	4.61E-72	0.61322	1.42E-49	0.416409	5.20E-21	0.420508
0.320887	1.21E-12	0.504118	1.80E-31	0.288657	2.06E-10	0.336888	7.41E-14	0.458944
0.357774	1.51E-15	0.411517	1.64E-20	0.340897	3.59E-14	0.179354	9.73E-05	0.393182
-0.52237	4.70E-34	-0.56645	5.53E-41	-0.56877	2.23E-41	-0.29574	7.02E-11	-0.2096
-0.28098	6.38E-10	-0.65546	1.14E-58	-0.5692	1.88E-41	-0.40418	8.85E-20	-0.63194
-0.22838	6.10E-07	-0.44783	2.05E-24	-0.46295	3.50E-26	-0.11106	0.01635	-0.16315
-0.56916	1.92E-41	-0.75407	6.21E-87	-0.62186	2.54E-51	-0.39061	1.80E-18	-0.49542

-0.09893	0.03256	-0.57492	1.94E-42	-0.44626	3.09E-24	-0.21477	2.82E-06	-0.38593
0.330806	2.18E-13	0.425102	6.45E-22	0.341956	2.96E-14	0.186041	5.23E-05	0.274444
0.40412	8.97E-20	0.565684	7.45E-41	0.424924	6.73E-22	0.285505	3.29E-10	0.345002
0.612238	2.23E-49	0.61973	6.94E-51	0.52189	5.52E-34	0.475082	1.15E-27	0.62883
0.620474	4.89E-51	0.737572	2.55E-81	0.571329	8.13E-42	0.378229	2.49E-17	0.401406
-0.33727	6.91E-14	-0.46683	1.19E-26	-0.41099	1.85E-20	-0.22618	7.86E-07	-0.21333
-0.14741	0.0014	-0.30592	1.42E-11	-0.37838	2.41E-17	-0.00988	0.83134	-0.22635
-0.26915	3.42E-09	-0.44159	1.04E-23	-0.41417	8.81E-21	-0.09875	0.03289	-0.30919
0.26623	5.11E-09	0.36895	1.66E-16	0.21344	3.26E-06	0.207068	6.43E-06	0.310187
0.558543	1.16E-39	0.664143	1.01E-60	0.61328	1.38E-49	0.383565	8.13E-18	0.53136
0.198052	1.62E-05	0.480072	2.70E-28	0.310636	6.63E-12	0.151839	0.001	0.306384
0.248825	5.07E-08	0.491616	8.68E-30	0.461047	5.90E-26	0.178692	0.0001	0.267623
0.610286	5.42E-49	0.771017	3.52E-93	0.55539	3.79E-39	0.536828	3.25E-36	0.743708
0.500065	6.44E-31	0.722669	1.32E-76	0.600767	3.79E-47	0.332926	1.50E-13	0.490493
0.504696	1.50E-31	0.692803	5.03E-68	0.574507	2.29E-42	0.225198	8.80E-07	0.402279
0.183203	6.83E-05	0.396563	4.88E-19	0.277455	1.06E-09	0.219488	1.68E-06	0.224922
0.344986	1.69E-14	0.534225	8.09E-36	0.419948	2.24E-21	0.559736	7.34E-40	0.662277
0.64123	1.91E-55	0.753302	1.16E-86	0.5723	5.53E-42	0.407304	4.34E-20	0.482074
0.33571	9.15E-14	0.417016	4.50E-21	0.428996	2.48E-22	0.280426	6.92E-10	0.38752
0.399337	2.63E-19	0.554484	5.33E-39	0.340006	4.22E-14	0.359077	1.17E-15	0.356253
0.457906	1.39E-25	0.531339	2.21E-35	0.380641	1.51E-17	0.343797	2.11E-14	0.464235
0.323362	7.92E-13	0.500375	5.85E-31	0.437325	3.09E-23	0.308043	1.01E-11	0.437743
0.378195	2.51E-17	0.462958	3.49E-26	0.457327	1.63E-25	0.307064	1.18E-11	0.549279
0.407225	4.42E-20	0.77641	2.78E-95	0.734883	1.91E-80	0.309507	7.96E-12	0.43053
0.203581	9.24E-06	0.393472	9.63E-19	0.308144	9.93E-12	0.217896	2.00E-06	0.382999
0.696881	3.92E-69	0.787981	#####	0.685533	4.30E-66	0.529588	4.04E-35	0.596088
0.293269	1.02E-10	0.420749	1.85E-21	0.262562	8.40E-09	0.230893	4.55E-07	0.277366
-0.46384	2.73E-26	-0.54126	6.73E-37	-0.52083	7.88E-34	-0.21042	4.51E-06	-0.20679
0.277476	1.06E-09	0.519499	1.23E-33	0.419531	2.47E-21	0.253593	2.75E-08	0.504759
0.470924	3.75E-27	0.60907	9.41E-49	0.489284	1.76E-29	0.249346	4.75E-08	0.293299
-0.25875	1.40E-08	-0.43173	1.26E-22	-0.41489	7.43E-21	-0.12808	0.00557	-0.15155
-0.28224	5.31E-10	-0.48818	2.45E-29	-0.37826	2.47E-17	-0.31811	1.93E-12	-0.34248
0.479642	3.06E-28	0.655299	1.24E-58	0.514392	6.62E-33	0.482143	1.47E-28	0.638809
0.509626	3.11E-32	0.67642	9.47E-64	0.483288	1.05E-28	0.363175	5.25E-16	0.600466
0.552244	1.23E-38	0.602922	1.47E-47	0.586984	1.39E-44	0.399499	2.54E-19	0.354474
0.441354	1.10E-23	0.52256	4.41E-34	0.521819	5.66E-34	0.282244	5.31E-10	0.328807
0.199269	1.44E-05	0.46231	4.17E-26	0.287967	2.28E-10	0.1734	0.00017	0.277442
0.442885	7.44E-24	0.654847	1.58E-58	0.577052	8.24E-43	0.274564	1.60E-09	0.327128
0.257083	1.74E-08	0.256242	1.95E-08	0.232843	3.61E-07	0.082181	0.07603	0.140053
0.258153	1.51E-08	0.371343	1.02E-16	0.356602	1.89E-15	0.303011	2.26E-11	0.394654
0.350433	6.12E-15	0.613757	1.11E-49	0.49797	1.24E-30	0.321272	1.13E-12	0.411416
0.34087	3.60E-14	0.470646	4.06E-27	0.382051	1.12E-17	0.238536	1.82E-07	0.193232
0.553871	6.70E-39	0.645926	1.72E-56	0.423374	9.81E-22	0.432591	1.02E-22	0.658297
0.741777	1.04E-82	0.774158	2.13E-94	0.710545	5.46E-73	0.479548	3.14E-28	0.633563
0.34585	1.44E-14	0.389901	2.10E-18	0.403126	1.12E-19	0.304916	1.67E-11	0.268957

0.528005	6.96E-35	0.59796	1.29E-46	0.57636	1.09E-42	0.284275	3.94E-10	0.43262
0.172922	0.00017	0.318597	1.78E-12	0.349275	7.61E-15	0.067972	0.14247	0.220753
-0.49045	1.23E-29	-0.55866	1.11E-39	-0.56754	3.61E-41	-0.28232	5.25E-10	-0.28559
0.517893	2.09E-33	0.760982	2.04E-89	0.574984	1.89E-42	0.544727	1.93E-37	0.65776
0.483769	9.11E-29	0.77135	2.62E-93	0.556654	2.36E-39	0.430766	1.60E-22	0.637809
0.361089	7.90E-16	0.508715	4.17E-32	0.344356	1.90E-14	0.168691	0.00025	0.300186
0.65198	7.27E-58	0.753355	1.11E-86	0.672203	1.08E-62	0.451238	8.34E-25	0.535847
0.328067	3.52E-13	0.336799	7.52E-14	0.380732	1.48E-17	0.158432	0.00059	0.099427
0.59016	3.66E-45	0.752855	1.67E-86	0.748335	6.23E-85	0.40822	3.51E-20	0.526833
0.647582	7.30E-57	0.72773	3.60E-78	0.558445	1.20E-39	0.51818	1.90E-33	0.645876
0.174028	0.00016	0.348269	9.19E-15	0.242763	1.09E-07	0.341322	3.32E-14	0.411235
-0.36926	1.56E-16	-0.40739	4.25E-20	-0.32028	1.34E-12	-0.33836	5.68E-14	-0.29496
-0.27746	1.06E-09	-0.58717	1.29E-44	-0.51925	1.34E-33	-0.30139	2.91E-11	-0.33981
0.601525	2.72E-47	0.58039	2.12E-43	0.568481	2.50E-41	0.439101	1.97E-23	0.518898
0.548673	4.59E-38	0.821503	#####	0.657588	3.63E-59	0.483279	1.05E-28	0.62867
0.465963	1.51E-26	0.687048	1.72E-66	0.506497	8.48E-32	0.388721	2.70E-18	0.621046
0.191805	3.01E-05	0.414245	8.66E-21	0.309185	8.39E-12	0.299344	4.01E-11	0.405729
0.531656	1.98E-35	0.647264	8.61E-57	0.574477	2.32E-42	0.454665	3.34E-25	0.483596
0.436225	4.08E-23	0.444253	5.22E-24	0.43272	9.85E-23	0.382655	9.85E-18	0.479442
0.692654	5.52E-68	0.812846	#####	0.762703	4.76E-90	0.368823	1.70E-16	0.469797
-0.30459	1.76E-11	-0.41366	9.93E-21	-0.42867	2.69E-22	-0.05211	0.26112	-0.12895
0.751082	6.97E-86	0.861453	#####	0.801805	#####	0.51003	2.73E-32	0.567896
-0.09881	0.03278	-0.48881	2.02E-29	-0.47665	7.30E-28	-0.102	0.02752	-0.3566
-0.14078	0.00229	-0.4095	2.62E-20	-0.21649	2.34E-06	-0.17238	0.00018	-0.21192
0.441414	1.09E-23	0.703478	5.74E-71	0.460298	7.24E-26	0.314331	3.61E-12	0.499709
0.588528	7.28E-45	0.774046	2.36E-94	0.785502	5.78E-99	0.364638	3.93E-16	0.444277
0.372504	8.09E-17	0.464899	2.04E-26	0.438356	2.38E-23	0.254274	2.52E-08	0.27423
0.521883	5.54E-34	0.685309	4.92E-66	0.638043	9.55E-55	0.434422	6.43E-23	0.644965
0.011042	0.81188	-0.44813	1.89E-24	-0.33755	6.58E-14	-0.14809	0.00133	-0.26628
0.496341	2.05E-30	0.56707	4.34E-41	0.503838	1.97E-31	0.391391	1.52E-18	0.348984
-0.43634	3.97E-23	-0.61535	5.33E-50	-0.62283	1.61E-51	-0.32846	3.29E-13	-0.4013
0.632296	1.66E-53	0.811153	#####	0.667225	1.80E-61	0.444919	4.39E-24	0.668583
0.44798	1.97E-24	0.52997	3.54E-35	0.388966	2.56E-18	0.321337	1.12E-12	0.359538
-0.40477	7.73E-20	-0.59409	6.86E-46	-0.57839	4.79E-43	-0.31359	4.09E-12	-0.38512
-0.10834	0.01919	-0.53164	1.99E-35	-0.42274	1.14E-21	-0.13844	0.00272	-0.18878
-0.43211	1.15E-22	-0.59948	6.67E-47	-0.47763	5.49E-28	-0.33213	1.73E-13	-0.25814
0.599005	8.20E-47	0.725807	1.43E-77	0.604104	8.70E-48	0.404591	8.06E-20	0.592014
0.39668	4.75E-19	0.442397	8.44E-24	0.333929	1.26E-13	0.291631	1.31E-10	0.30623
0.654576	1.83E-58	0.69803	1.89E-69	0.587514	1.11E-44	0.475537	1.01E-27	0.467616
-0.18261	7.22E-05	-0.47079	3.90E-27	-0.37998	1.73E-17	-0.22235	1.22E-06	-0.27036
0.280588	6.76E-10	0.601148	3.21E-47	0.447699	2.12E-24	0.333672	1.32E-13	0.46559
0.45835	1.23E-25	0.639198	5.34E-55	0.619509	7.69E-51	0.338655	5.39E-14	0.419318
0.23867	1.79E-07	0.384176	7.14E-18	0.334554	1.12E-13	0.196008	1.99E-05	0.316299
0.655315	1.23E-58	0.871335	#####	0.729712	8.56E-79	0.533068	1.21E-35	0.602025
0.610846	4.21E-49	0.765547	4.18E-91	0.55581	3.24E-39	0.449944	1.18E-24	0.545662

-0.25461	2.41E-08	-0.56397	1.45E-40	-0.55972	7.39E-40	-0.29343	1.00E-10	-0.33276
0.312628	4.78E-12	0.589436	4.96E-45	0.355946	2.14E-15	0.420449	1.99E-21	0.524417
0.251758	3.49E-08	0.445571	3.70E-24	0.340548	3.82E-14	0.045479	0.32675	0.129191
0.525085	1.88E-34	0.627919	1.40E-52	0.607529	1.88E-48	0.340785	3.66E-14	0.327517
0.605299	5.11E-48	0.809513	#####	0.712445	1.52E-73	0.409588	2.56E-20	0.630501
0.471732	2.98E-27	0.705371	1.67E-71	0.52464	2.19E-34	0.472889	2.15E-27	0.633269
-0.06955	0.13342	-0.39206	1.31E-18	-0.37638	3.65E-17	-0.07401	0.11021	0.060879
0.342085	2.89E-14	0.480837	2.16E-28	0.384817	6.23E-18	0.138872	0.00263	0.200444
0.336447	8.02E-14	0.402147	1.40E-19	0.332254	1.69E-13	0.184991	5.78E-05	0.148182
0.546422	1.04E-37	0.794865	#####	0.525265	1.77E-34	0.511223	1.86E-32	0.718529
0.696251	5.83E-69	0.837667	#####	0.679001	2.10E-64	0.421838	1.42E-21	0.479779
0.617803	1.71E-50	0.79279	#####	0.63154	2.40E-53	0.527618	7.94E-35	0.624825
0.391937	1.35E-18	0.402144	1.40E-19	0.332762	1.55E-13	0.304567	1.76E-11	0.127887
-0.24214	1.17E-07	-0.38985	2.12E-18	-0.30557	1.50E-11	-0.22912	5.59E-07	-0.2591
0.332098	1.74E-13	0.524417	2.36E-34	0.395531	6.13E-19	0.215968	2.47E-06	0.263465
0.346963	1.17E-14	0.431239	1.42E-22	0.376904	3.28E-17	0.21057	4.44E-06	0.459225
0.469574	5.50E-27	0.757253	4.57E-88	0.518158	1.92E-33	0.443508	6.33E-24	0.525199
0.436681	3.64E-23	0.607801	1.67E-48	0.486265	4.34E-29	0.321988	1.00E-12	0.314698
0.311549	5.71E-12	0.414968	7.30E-21	0.305703	1.47E-11	0.157501	0.00064	0.330522
-0.17912	9.94E-05	-0.35317	3.65E-15	-0.31453	3.49E-12	-0.02093	0.65184	-0.32279
0.416214	5.44E-21	0.593445	9.05E-46	0.455508	2.66E-25	0.323505	7.73E-13	0.526048
0.612672	1.83E-49	0.82762	#####	0.628841	8.96E-53	0.530925	2.55E-35	0.629975
0.624405	7.58E-52	0.636523	2.04E-54	0.555733	3.34E-39	0.400251	2.15E-19	0.416307
0.212188	3.73E-06	0.485638	5.23E-29	0.220427	1.51E-06	0.321729	1.05E-12	0.495773
0.643148	7.19E-56	0.736041	8.04E-81	0.551479	1.63E-38	0.502116	3.39E-31	0.741716
0.28005	7.30E-10	0.402699	1.24E-19	0.332667	1.57E-13	0.199053	1.47E-05	0.263763
0.241158	1.32E-07	0.430667	1.64E-22	0.373642	6.41E-17	0.2893	1.87E-10	0.306027
0.147106	0.00143	0.446427	2.96E-24	0.379738	1.82E-17	0.182523	7.27E-05	0.4019
0.476485	7.65E-28	0.55791	1.47E-39	0.472447	2.44E-27	0.316117	2.69E-12	0.394172
0.19154	3.09E-05	0.492967	5.75E-30	0.428857	2.57E-22	0.320236	1.35E-12	0.568448
0.361697	7.02E-16	0.511399	1.75E-32	0.438778	2.13E-23	0.357053	1.73E-15	0.536172
0.62138	3.19E-51	0.687511	1.30E-66	0.627333	1.86E-52	0.455609	2.59E-25	0.552201
0.159232	0.00055	0.391613	1.45E-18	0.384437	6.76E-18	0.103412	0.02543	0.143401
0.61526	5.56E-50	0.821516	#####	0.678528	2.77E-64	0.43578	4.57E-23	0.477051
-0.14136	0.0022	-0.37435	5.55E-17	-0.11083	0.01658	-0.3443	1.92E-14	-0.35467
0.499566	7.53E-31	0.629864	5.45E-53	0.517848	2.12E-33	0.300451	3.38E-11	0.516209
0.370107	1.31E-16	0.490142	1.36E-29	0.444391	5.04E-24	0.087677	0.05832	0.107715
0.674235	3.36E-63	0.691454	1.16E-67	0.524904	2.00E-34	0.510021	2.74E-32	0.702131
0.494518	3.58E-30	0.525644	1.56E-34	0.305163	1.60E-11	0.359156	1.15E-15	0.441833
-0.12232	0.00814	-0.46462	2.20E-26	-0.32393	7.19E-13	-0.27113	2.60E-09	-0.30931
-0.47118	3.49E-27	-0.69491	1.35E-68	-0.62884	8.97E-53	-0.37927	2.00E-17	-0.37379
-0.01858	0.68873	-0.46043	6.98E-26	-0.18954	3.75E-05	-0.1195	0.00975	-0.24067
-0.23137	4.30E-07	-0.66571	4.20E-61	-0.58573	2.34E-44	-0.18936	3.82E-05	-0.32138
0.382865	9.43E-18	0.610525	4.87E-49	0.531982	1.77E-35	0.421463	1.56E-21	0.271274
0.19582	2.03E-05	0.389281	2.40E-18	0.263618	7.29E-09	0.174421	0.00015	0.341095

0.326185	4.88E-13	0.443571	6.23E-24	0.428558	2.77E-22	0.332549	1.60E-13	0.439394
0.440876	1.25E-23	0.73307	7.31E-80	0.680364	9.40E-65	0.344686	1.79E-14	0.468686
0.533013	1.24E-35	0.710335	6.28E-73	0.647316	8.38E-57	0.410362	2.14E-20	0.424601
0.28336	4.51E-10	0.497032	1.65E-30	0.436354	3.95E-23	0.192466	2.82E-05	0.188121
0.717281	5.65E-75	0.882392	#####	0.704997	2.13E-71	0.463408	3.08E-26	0.57711
0.503672	2.08E-31	0.781925	1.71E-97	0.636204	2.40E-54	0.429418	2.24E-22	0.467969
0.364403	4.12E-16	0.510265	2.53E-32	0.402006	1.45E-19	0.471976	2.78E-27	0.702221
0.508191	4.93E-32	0.71867	2.17E-75	0.691273	1.30E-67	0.33597	8.73E-14	0.450638
0.576036	1.24E-42	0.782001	1.59E-97	0.636676	1.89E-54	0.418589	3.10E-21	0.605833
-0.30939	8.11E-12	-0.53976	1.15E-36	-0.37689	3.28E-17	-0.2745	1.62E-09	-0.27816
0.639654	4.25E-55	0.884451	#####	0.752081	3.12E-86	0.508702	4.19E-32	0.719654
0.629354	6.99E-53	0.738075	1.74E-81	0.612442	2.03E-49	0.373452	6.66E-17	0.428191
0.619212	8.84E-51	0.855891	#####	0.780596	5.90E-97	0.438483	2.30E-23	0.596053
-0.04611	0.32005	-0.34615	1.36E-14	-0.39382	8.92E-19	-0.07705	0.09629	-0.23929
0.609474	7.84E-49	0.822971	#####	0.642911	8.11E-56	0.537874	2.24E-36	0.694224
0.677371	5.44E-64	0.875486	#####	0.647385	8.09E-57	0.488935	1.95E-29	0.656998
0.162066	0.00044	0.276052	1.30E-09	0.17668	0.00012	0.153495	0.00087	0.218043
0.243245	1.02E-07	0.506078	9.69E-32	0.517915	2.08E-33	0.137021	0.00301	0.087195
0.279821	7.55E-10	0.467801	9.06E-27	0.370726	1.16E-16	0.31928	1.58E-12	0.545985
0.169811	0.00023	0.381751	1.19E-17	0.282065	5.45E-10	0.299552	3.89E-11	0.512169
0.187911	4.38E-05	0.381161	1.35E-17	0.320763	1.23E-12	0.320983	1.19E-12	0.418222
0.204727	8.21E-06	0.379807	1.79E-17	0.303331	2.14E-11	0.24226	1.16E-07	0.295227
0.106979	0.02076	0.367052	2.43E-16	0.379982	1.73E-17	0.004216	0.9276	0.152691
0.513791	8.06E-33	0.597981	1.28E-46	0.505435	1.19E-31	0.479654	3.05E-28	0.558726
0.585576	2.50E-44	0.844532	#####	0.697762	2.24E-69	0.437003	3.35E-23	0.597882
0.323047	8.36E-13	0.527378	8.62E-35	0.394278	8.07E-19	0.376369	3.66E-17	0.569162
-0.34769	1.02E-14	-0.39006	2.03E-18	-0.29648	6.26E-11	-0.37164	9.64E-17	-0.40194
0.447524	2.22E-24	0.494213	3.93E-30	0.499882	6.82E-31	0.392411	1.21E-18	0.439633
-0.01363	0.76886	-0.36134	7.52E-16	-0.18052	8.75E-05	-0.12476	0.00695	-0.29321
0.522518	4.47E-34	0.611462	3.18E-49	0.454681	3.32E-25	0.318615	1.77E-12	0.301585
0.301701	2.77E-11	0.626664	2.57E-52	0.381121	1.36E-17	0.257589	1.63E-08	0.409955
0.403821	9.60E-20	0.566627	5.16E-41	0.337674	6.43E-14	0.201906	1.10E-05	0.255547
0.550891	2.03E-38	0.828832	#####	0.605096	5.60E-48	0.516793	3.01E-33	0.770629
0.361808	6.87E-16	0.687654	1.19E-66	0.326336	4.75E-13	0.39377	9.03E-19	0.531135
0.48999	1.42E-29	0.621727	2.71E-51	0.632941	1.21E-53	0.348307	9.13E-15	0.314222
-0.44161	1.03E-23	-0.5948	5.06E-46	-0.52374	2.96E-34	-0.359	1.19E-15	-0.39405
0.387246	3.71E-18	0.522482	4.53E-34	0.539307	1.35E-36	0.063593	0.17007	0.134548
0.658668	2.02E-59	0.848064	#####	0.644972	2.82E-56	0.499019	8.93E-31	0.691975
0.65883	1.85E-59	0.830066	#####	0.647311	8.41E-57	0.521315	6.70E-34	0.647902
0.668638	8.15E-62	0.65098	1.23E-57	0.493414	5.02E-30	0.382958	9.24E-18	0.427119
0.260229	1.15E-08	0.479437	3.25E-28	0.38472	6.36E-18	0.307069	1.18E-11	0.439421
0.587013	1.37E-44	0.83184	#####	0.675176	1.95E-63	0.487412	3.08E-29	0.510356
0.512309	1.31E-32	0.671729	1.41E-62	0.456056	2.29E-25	0.331926	1.79E-13	0.401227
0.134379	0.00362	0.342288	2.78E-14	0.24258	1.11E-07	0.410486	2.08E-20	0.395497
0.401951	1.46E-19	0.544205	2.33E-37	0.491796	8.22E-30	0.335695	9.17E-14	0.488251

0.405789	6.13E-20	0.571548	7.46E-42	0.509359	3.39E-32	0.288505	2.10E-10	0.561831
-0.14669	0.00148	-0.53775	2.35E-36	-0.35258	4.08E-15	-0.13636	0.00315	-0.33873
0.39406	8.47E-19	0.619767	6.82E-51	0.572195	5.77E-42	0.195372	2.12E-05	0.20024
-0.22985	5.13E-07	-0.41428	8.59E-21	-0.36177	6.91E-16	-0.23336	3.40E-07	-0.43565
0.425267	6.19E-22	0.599313	7.17E-47	0.466715	1.23E-26	0.415066	7.14E-21	0.502968
0.490106	1.37E-29	0.692969	4.54E-68	0.436404	3.90E-23	0.435272	5.19E-23	0.481432
0.541624	5.90E-37	0.513016	1.04E-32	0.493863	4.38E-30	0.242275	1.15E-07	0.328073
0.439769	1.66E-23	0.594916	4.82E-46	0.572002	6.23E-42	0.353191	3.63E-15	0.404376
0.205915	7.25E-06	0.339464	4.65E-14	0.239196	1.68E-07	0.124791	0.00693	0.378861
0.552541	1.10E-38	0.754759	3.55E-87	0.711803	2.35E-73	0.379077	2.09E-17	0.452368
0.681563	4.62E-65	0.785705	4.77E-99	0.602569	1.72E-47	0.435712	4.65E-23	0.629748
0.213166	3.36E-06	0.386771	4.11E-18	0.402792	1.21E-19	0.194358	2.34E-05	0.344834
0.53436	7.72E-36	0.805303	#####	0.586003	2.09E-44	0.40661	5.08E-20	0.691905
0.379664	1.85E-17	0.57471	2.11E-42	0.532489	1.48E-35	0.216792	2.26E-06	0.3556
0.475844	9.20E-28	0.632752	1.33E-53	0.490485	1.22E-29	0.38209	1.11E-17	0.367519
0.467789	9.09E-27	0.675929	1.26E-63	0.480902	2.12E-28	0.439993	1.56E-23	0.475716
0.595061	4.52E-46	0.749788	1.96E-85	0.551943	1.37E-38	0.418226	3.38E-21	0.6012
-0.07264	0.11699	-0.46552	1.71E-26	-0.39698	4.44E-19	-0.29098	1.45E-10	-0.42437
-0.11249	0.01501	-0.40386	9.52E-20	-0.14699	0.00145	-0.20127	1.17E-05	-0.33262
0.625241	5.08E-52	0.720093	8.06E-76	0.660557	7.23E-60	0.402878	1.19E-19	0.352835
0.516837	2.97E-33	0.546104	1.17E-37	0.30194	2.67E-11	0.289113	1.92E-10	0.299725
-0.00729	0.87514	-0.51054	2.32E-32	-0.27416	1.69E-09	-0.1448	0.0017	-0.47296
0.531841	1.86E-35	0.663617	1.35E-60	0.475659	9.70E-28	0.390874	1.70E-18	0.556705
0.689242	4.52E-67	0.801805	#####	0.641135	2.01E-55	0.453517	4.54E-25	0.520673
-0.1131	0.01447	-0.46833	7.80E-27	-0.34209	2.88E-14	-0.32717	4.12E-13	-0.54171
0.295942	6.80E-11	0.503572	2.14E-31	0.453655	4.38E-25	0.153414	0.00088	0.211863
0.27364	1.82E-09	0.562023	3.06E-40	0.517148	2.68E-33	0.285239	3.42E-10	0.23082
0.420218	2.10E-21	0.536755	3.33E-36	0.50093	4.92E-31	0.468133	8.25E-27	0.298322
0.561042	4.46E-40	0.864156	#####	0.711085	3.80E-73	0.467205	1.07E-26	0.652291
-0.31576	2.85E-12	-0.55569	3.39E-39	-0.47121	3.46E-27	-0.29281	1.10E-10	-0.44938
-0.32518	5.80E-13	-0.5611	4.37E-40	-0.36887	1.69E-16	-0.30894	8.73E-12	-0.54143
0.295169	7.66E-11	0.591621	1.97E-45	0.398945	2.87E-19	0.281431	5.98E-10	0.457791
0.446564	2.86E-24	0.599681	6.10E-47	0.480947	2.09E-28	0.32956	2.71E-13	0.361785
0.562815	2.26E-40	0.71195	2.13E-73	0.499101	8.70E-31	0.497049	1.64E-30	0.652845
0.396545	4.90E-19	0.542991	3.61E-37	0.545864	1.28E-37	0.138378	0.00273	0.160552
0.526937	1.00E-34	0.767099	1.09E-91	0.670612	2.67E-62	0.429178	2.37E-22	0.651268
0.558352	1.24E-39	0.65241	5.79E-58	0.616659	2.91E-50	0.372908	7.45E-17	0.389092
0.641796	1.43E-55	0.826208	#####	0.658901	1.78E-59	0.430912	1.54E-22	0.584562
0.384475	6.70E-18	0.736259	6.83E-81	0.580014	2.47E-43	0.379913	1.75E-17	0.557073
-0.27877	8.79E-10	-0.61455	7.70E-50	-0.48092	2.11E-28	-0.29966	3.82E-11	-0.47121
0.592196	1.54E-45	0.774304	1.87E-94	0.66154	4.22E-60	0.466259	1.39E-26	0.622796
-0.3635	4.92E-16	-0.60597	3.79E-48	-0.47666	7.27E-28	-0.31269	4.74E-12	-0.40475
-0.12085	0.00895	-0.38326	8.67E-18	-0.18604	5.23E-05	-0.271	2.64E-09	-0.28883
0.609456	7.90E-49	0.789971	#####	0.499305	8.17E-31	0.483282	1.05E-28	0.691001
-0.12068	0.00904	-0.4069	4.75E-20	-0.30566	1.48E-11	-0.15544	0.00075	-0.18783

0.413089	1.14E-20	0.595514	3.72E-46	0.509497	3.24E-32	0.30234	2.51E-11	0.34599
0.322888	8.59E-13	0.590073	3.79E-45	0.471691	3.02E-27	0.331113	2.07E-13	0.216946
-0.2267	7.40E-07	-0.4967	1.83E-30	-0.39896	2.87E-19	-0.20685	6.57E-06	-0.28377
0.503119	2.47E-31	0.760824	2.33E-89	0.656891	5.28E-59	0.41251	1.30E-20	0.388801
0.711471	2.93E-73	0.753379	1.09E-86	0.725207	2.19E-77	0.522245	4.90E-34	0.486719
-0.42792	3.23E-22	-0.5703	1.22E-41	-0.53579	4.68E-36	-0.43566	4.71E-23	-0.545
0.332124	1.73E-13	0.548547	4.80E-38	0.356025	2.11E-15	0.265762	5.44E-09	0.327771
0.493572	4.78E-30	0.662823	2.08E-60	0.523729	2.98E-34	0.367663	2.15E-16	0.413634
0.454286	3.70E-25	0.623299	1.28E-51	0.474961	1.19E-27	0.344143	1.98E-14	0.422686
0.353459	3.45E-15	0.634327	6.09E-54	0.505793	1.06E-31	0.444465	4.94E-24	0.411996
0.39729	4.15E-19	0.771424	2.45E-93	0.556829	2.21E-39	0.443408	6.50E-24	0.608078
0.648809	3.85E-57	0.768183	4.25E-92	0.633429	9.49E-54	0.415805	5.99E-21	0.512708
0.322969	8.47E-13	0.68273	2.31E-65	0.491132	1.00E-29	0.373262	6.93E-17	0.439956
-0.51764	2.27E-33	-0.61424	8.91E-50	-0.52945	4.24E-35	-0.43331	8.50E-23	-0.52867
0.458662	1.13E-25	0.622885	1.56E-51	0.450339	1.06E-24	0.503199	2.41E-31	0.48386
0.554726	4.87E-39	0.644399	3.78E-56	0.535176	5.80E-36	0.374186	5.73E-17	0.449635
-0.3432	2.35E-14	-0.61122	3.55E-49	-0.50286	2.68E-31	-0.27311	1.97E-09	-0.32197
0.676007	1.20E-63	0.677968	3.84E-64	0.534793	6.63E-36	0.410209	2.22E-20	0.55976
0.346749	1.22E-14	0.549234	3.73E-38	0.418739	2.99E-21	0.370557	1.20E-16	0.406909
0.260289	1.14E-08	0.365485	3.32E-16	0.329555	2.72E-13	0.068279	0.14067	0.063882
0.349201	7.72E-15	0.490378	1.26E-29	0.503934	1.91E-31	0.199407	1.42E-05	0.277189
0.319592	1.50E-12	0.474591	1.32E-27	0.416385	5.23E-21	0.137178	0.00297	0.251599
0.43748	2.97E-23	0.777839	7.53E-96	0.662634	2.31E-60	0.421513	1.54E-21	0.540459
0.227245	6.95E-07	0.379029	2.11E-17	0.29574	7.02E-11	0.095486	0.03914	0.218525
-0.33131	2.00E-13	-0.6557	1.00E-58	-0.56989	1.44E-41	-0.33507	1.03E-13	-0.53693
0.5724	5.32E-42	0.754623	3.97E-87	0.572031	6.15E-42	0.488097	2.51E-29	0.666787
0.631072	3.02E-53	0.775093	9.17E-95	0.599527	6.53E-47	0.532875	1.30E-35	0.597155
0.414986	7.27E-21	0.678263	3.23E-64	0.511157	1.90E-32	0.437568	2.90E-23	0.513353
0.447517	2.23E-24	0.713222	9.01E-74	0.477382	5.90E-28	0.365218	3.50E-16	0.446723
0.499758	7.09E-31	0.784314	1.79E-98	0.749474	2.52E-85	0.453411	4.67E-25	0.624094
0.443408	6.50E-24	0.560943	4.63E-40	0.58052	2.01E-43	0.182255	7.46E-05	0.295216
0.364565	3.99E-16	0.650506	1.58E-57	0.363934	4.52E-16	0.322757	8.78E-13	0.529962
0.28267	4.99E-10	0.45735	1.62E-25	0.392446	1.21E-18	0.253877	2.65E-08	0.274865
0.356396	1.97E-15	0.47316	1.99E-27	0.314021	3.80E-12	0.340772	3.67E-14	0.338131
0.354332	2.92E-15	0.438366	2.37E-23	0.381558	1.24E-17	0.174913	0.00015	0.262048
0.432396	1.07E-22	0.517525	2.36E-33	0.341801	3.04E-14	0.450636	9.78E-25	0.448098
0.701303	2.34E-70	0.777759	8.10E-96	0.61224	2.23E-49	0.541175	6.93E-37	0.581725
-0.34749	1.06E-14	-0.50407	1.83E-31	-0.38811	3.08E-18	-0.33371	1.31E-13	-0.45696
-0.13841	0.00272	-0.4985	1.05E-30	-0.41663	4.94E-21	-0.15082	0.00108	-0.45682
0.573361	3.63E-42	0.781945	1.67E-97	0.656927	5.18E-59	0.41619	5.47E-21	0.46641
0.386288	4.56E-18	0.66147	4.39E-60	0.43935	1.84E-23	0.313723	4.00E-12	0.448535
0.555975	3.05E-39	0.766211	2.36E-91	0.643952	4.76E-56	0.453786	4.23E-25	0.571251
-0.34971	7.02E-15	-0.61597	4.00E-50	-0.6238	1.01E-51	-0.41538	6.63E-21	-0.559
0.379028	2.11E-17	0.646745	1.13E-56	0.390961	1.67E-18	0.321015	1.18E-12	0.518149
0.484012	8.47E-29	0.619096	9.34E-51	0.356041	2.11E-15	0.357203	1.68E-15	0.406942



0.275554	1.39E-09	0.58528	2.83E-44	0.476648	7.30E-28	0.15537	0.00075	0.159605
0.611893	2.61E-49	0.681966	3.64E-65	0.520324	9.33E-34	0.478841	3.86E-28	0.481995
0.181876	7.72E-05	0.48597	4.74E-29	0.27658	1.20E-09	0.358231	1.38E-15	0.384556
0.599971	5.38E-47	0.645852	1.79E-56	0.536883	3.18E-36	0.469591	5.47E-27	0.568307
0.658155	2.67E-59	0.72359	6.92E-77	0.580587	1.96E-43	0.564701	1.09E-40	0.607705
0.603454	1.16E-47	0.814931	#####	0.688986	5.29E-67	0.453414	4.67E-25	0.593792
0.608311	1.32E-48	0.777265	1.27E-95	0.713107	9.74E-74	0.504469	1.61E-31	0.523331
0.695299	1.06E-68	0.744339	1.43E-83	0.726052	1.20E-77	0.508646	4.26E-32	0.545318
-0.33987	4.32E-14	-0.61494	6.44E-50	-0.5998	5.80E-47	-0.32655	4.58E-13	-0.50578
-0.21758	2.07E-06	-0.49833	1.11E-30	-0.32593	5.09E-13	-0.16375	0.00038	-0.25956
0.352206	4.38E-15	0.466847	1.18E-26	0.360522	8.83E-16	0.386887	4.01E-18	0.363058
0.319051	1.65E-12	0.432961	9.27E-23	0.37974	1.82E-17	0.174541	0.00015	0.141532
-0.36769	2.14E-16	-0.6072	2.19E-48	-0.42913	2.40E-22	-0.30548	1.52E-11	-0.37541
0.374363	5.53E-17	0.57814	5.30E-43	0.375457	4.42E-17	0.216358	2.37E-06	0.29407
0.276479	1.22E-09	0.399267	2.67E-19	0.271003	2.64E-09	0.240667	1.41E-07	0.398605
0.639564	4.44E-55	0.827111	#####	0.837708	#####	0.465562	1.69E-26	0.452803
0.523124	3.65E-34	0.677541	4.93E-64	0.55578	3.28E-39	0.405841	6.06E-20	0.376356
0.426311	4.80E-22	0.7905	#####	0.660966	5.78E-60	0.214276	2.98E-06	0.420831
0.705981	1.12E-71	0.840703	#####	0.758673	1.41E-88	0.439777	1.65E-23	0.431115
0.400336	2.11E-19	0.545929	1.25E-37	0.324422	6.61E-13	0.396473	4.98E-19	0.543851
0.734015	3.64E-80	0.765313	5.11E-91	0.709493	1.10E-72	0.478949	3.74E-28	0.47124
0.694116	2.22E-68	0.828029	#####	0.72599	1.25E-77	0.524592	2.22E-34	0.637435
0.304685	1.73E-11	0.63894	6.09E-55	0.427634	3.47E-22	0.257095	1.74E-08	0.348745
0.702856	8.59E-71	0.690981	1.55E-67	0.603763	1.01E-47	0.417801	3.74E-21	0.528456
0.254834	2.34E-08	0.509298	3.46E-32	0.380668	1.50E-17	0.297543	5.31E-11	0.481923
0.325004	5.98E-13	0.475623	9.81E-28	0.361965	6.66E-16	0.226524	7.55E-07	0.223956
0.24564	7.59E-08	0.635295	3.77E-54	0.362945	5.49E-16	0.330625	2.25E-13	0.64317
0.56432	1.26E-40	0.791007	#####	0.538394	1.87E-36	0.525411	1.68E-34	0.650693
0.253794	2.68E-08	0.453578	4.47E-25	0.318905	1.69E-12	0.211165	4.16E-06	0.414943
0.566134	6.25E-41	0.732113	1.48E-79	0.506052	9.77E-32	0.389807	2.14E-18	0.645206
0.524056	2.66E-34	0.593304	9.61E-46	0.477557	5.61E-28	0.45126	8.29E-25	0.657873
0.439269	1.88E-23	0.701132	2.61E-70	0.461459	5.27E-26	0.355356	2.40E-15	0.425324
0.225658	8.34E-07	0.417601	3.92E-21	0.400133	2.20E-19	0.035695	0.44156	0.11376
0.407243	4.40E-20	0.523237	3.51E-34	0.39674	4.69E-19	0.335312	9.82E-14	0.378673
0.16012	0.00051	0.448375	1.78E-24	0.27375	1.80E-09	0.198608	1.53E-05	0.419457
-0.00119	0.97956	-0.40074	1.92E-19	-0.32052	1.28E-12	-0.05037	0.27734	-0.232
0.44238	8.47E-24	0.674834	2.38E-63	0.643316	6.60E-56	0.291772	1.29E-10	0.430329
-0.28718	2.57E-10	-0.51518	5.11E-33	-0.37756	2.86E-17	-0.25678	1.81E-08	-0.26065
0.249689	4.55E-08	0.583493	5.93E-44	0.479004	3.69E-28	0.222286	1.22E-06	0.296566
-0.37053	1.21E-16	-0.57994	2.55E-43	-0.36458	3.97E-16	-0.32466	6.34E-13	-0.24824
0.710108	7.30E-73	0.836844	#####	0.753824	7.61E-87	0.435594	4.79E-23	0.535774
0.556615	2.39E-39	0.817778	#####	0.707611	3.83E-72	0.409048	2.90E-20	0.493392
0.259915	1.20E-08	0.40754	4.11E-20	0.371823	9.29E-17	0.317481	2.14E-12	0.252313
0.176788	0.00012	0.564801	1.05E-40	0.47463	1.30E-27	0.336772	7.56E-14	0.392725
0.316581	2.49E-12	0.36503	3.63E-16	0.336305	8.22E-14	0.138328	0.00274	0.162045

0.605503	4.67E-48	0.746077	3.69E-84	0.62402	9.11E-52	0.492648	6.34E-30	0.668175
0.652411	5.79E-58	0.731799	1.86E-79	0.624242	8.20E-52	0.457817	1.42E-25	0.497079
-0.39006	2.02E-18	-0.65185	7.78E-58	-0.61679	2.73E-50	-0.29666	6.09E-11	-0.54675
0.513031	1.03E-32	0.584746	3.53E-44	0.484663	6.99E-29	0.377218	3.07E-17	0.273553
0.688437	7.39E-67	0.651021	1.21E-57	0.576315	1.11E-42	0.328411	3.32E-13	0.264888
-0.35563	2.28E-15	-0.61177	2.76E-49	-0.54548	1.47E-37	-0.39189	1.36E-18	-0.61624
0.577401	7.15E-43	0.696913	3.84E-69	0.638555	7.39E-55	0.381995	1.13E-17	0.478381
-0.09512	0.0399	-0.41419	8.77E-21	-0.21013	4.65E-06	-0.22196	1.27E-06	-0.31031
0.188328	4.21E-05	0.469115	6.26E-27	0.35383	3.22E-15	0.39382	8.93E-19	0.49779
0.422662	1.17E-21	0.531543	2.06E-35	0.384285	6.98E-18	0.21232	3.68E-06	0.19432
-0.16459	0.00035	-0.5682	2.79E-41	-0.51654	3.27E-33	-0.19067	3.36E-05	-0.45045
0.650064	2.00E-57	0.873571	#####	0.650499	1.59E-57	0.510038	2.72E-32	0.621007
0.597514	1.57E-46	0.702124	1.38E-70	0.558336	1.25E-39	0.466212	1.41E-26	0.567752
0.664569	7.94E-61	0.772365	1.06E-93	0.644724	3.20E-56	0.396417	5.04E-19	0.451159
0.587741	1.01E-44	0.663657	1.32E-60	0.520325	9.33E-34	0.568713	2.28E-41	0.732642
0.391565	1.46E-18	0.535434	5.30E-36	0.364492	4.04E-16	0.281933	5.55E-10	0.479893
0.576402	1.07E-42	0.618002	1.56E-50	0.594267	6.36E-46	0.459352	9.38E-26	0.383064
0.42763	3.47E-22	0.810402	#####	0.573363	3.62E-42	0.465925	1.53E-26	0.599177
0.303492	2.09E-11	0.596765	2.17E-46	0.48242	1.36E-28	0.213794	3.14E-06	0.235406
0.599406	6.88E-47	0.766088	2.62E-91	0.527721	7.67E-35	0.555675	3.41E-39	0.572736
0.650139	1.92E-57	0.764563	9.73E-91	0.581875	1.15E-43	0.466755	1.21E-26	0.417777
0.575556	1.51E-42	0.723248	8.81E-77	0.597337	1.69E-46	0.414657	7.86E-21	0.337435
0.611929	2.57E-49	0.827854	#####	0.594791	5.08E-46	0.542245	4.73E-37	0.71073
0.480603	2.31E-28	0.64694	1.02E-56	0.619673	7.12E-51	0.420329	2.04E-21	0.296649
0.539369	1.32E-36	0.760073	4.37E-89	0.600554	4.17E-47	0.41807	3.50E-21	0.493855
-0.29739	5.44E-11	-0.59749	1.59E-46	-0.61302	1.56E-49	-0.36816	1.95E-16	-0.58178
0.448709	1.63E-24	0.618092	1.49E-50	0.611028	3.87E-49	0.223789	1.03E-06	0.364961
0.564268	1.29E-40	0.81588	#####	0.761721	1.09E-89	0.541618	5.92E-37	0.652883
0.720581	5.74E-76	0.84965	#####	0.715677	1.70E-74	0.480887	2.13E-28	0.635888
0.696753	4.25E-69	0.866803	#####	0.769353	1.53E-92	0.470349	4.42E-27	0.54606
0.539095	1.46E-36	0.74309	3.78E-83	0.613194	1.44E-49	0.335588	9.35E-14	0.388357
0.571669	7.11E-42	0.743162	3.57E-83	0.417389	4.12E-21	0.517861	2.11E-33	0.77651
0.541021	7.33E-37	0.674058	3.71E-63	0.636374	2.20E-54	0.443126	6.99E-24	0.402158
-0.46667	1.24E-26	-0.67821	3.33E-64	-0.56755	3.59E-41	-0.28508	3.50E-10	-0.34947
0.56867	2.32E-41	0.705116	1.97E-71	0.466002	1.50E-26	0.52566	1.55E-34	0.688348
0.229742	5.20E-07	0.35482	2.66E-15	0.222653	1.17E-06	0.232386	3.81E-07	0.188744
-0.25684	1.80E-08	-0.48751	3.00E-29	-0.47653	7.55E-28	-0.20469	8.24E-06	-0.17476
0.561644	3.54E-40	0.671384	1.72E-62	0.562099	2.97E-40	0.498775	9.63E-31	0.416923
0.625198	5.19E-52	0.691655	1.03E-67	0.652484	5.57E-58	0.472976	2.09E-27	0.717214
0.338295	5.75E-14	0.546428	1.04E-37	0.489725	1.54E-29	0.292779	1.10E-10	0.505856
0.555915	3.12E-39	0.595719	3.41E-46	0.434137	6.90E-23	0.454057	3.93E-25	0.507601
0.450504	1.01E-24	0.793529	#####	0.593842	7.63E-46	0.451049	8.77E-25	0.759716
0.657843	3.16E-59	0.787635	#####	0.686728	2.09E-66	0.420943	1.76E-21	0.64135
0.337548	6.58E-14	0.454272	3.71E-25	0.338793	5.25E-14	0.33928	4.81E-14	0.389177
0.45678	1.89E-25	0.551806	1.44E-38	0.411253	1.74E-20	0.315021	3.22E-12	0.503865

0.334768	1.08E-13	0.52605	1.36E-34	0.382852	9.45E-18	0.135347	0.00338	0.322325
0.591207	2.35E-45	0.710334	6.28E-73	0.530361	3.10E-35	0.433236	8.65E-23	0.485694
0.587495	1.12E-44	0.617929	1.61E-50	0.58765	1.05E-44	0.390505	1.84E-18	0.365757
0.713268	8.74E-74	0.747687	1.04E-84	0.568445	2.53E-41	0.50981	2.93E-32	0.625534
0.506914	7.42E-32	0.58989	4.10E-45	0.533639	9.93E-36	0.469272	5.99E-27	0.605711
0.598785	9.03E-47	0.725831	1.41E-77	0.571469	7.69E-42	0.427703	3.41E-22	0.497082
0.425508	5.84E-22	0.579828	2.67E-43	0.463658	2.87E-26	0.271726	2.39E-09	0.46863
-0.29008	1.66E-10	-0.35026	6.33E-15	-0.35168	4.84E-15	-0.20251	1.03E-05	-0.23242
0.527266	8.96E-35	0.517706	2.23E-33	0.491149	1.00E-29	0.320048	1.39E-12	0.291697
0.256976	1.77E-08	0.552142	1.28E-38	0.285177	3.45E-10	0.460406	7.03E-26	0.584269
0.418381	3.25E-21	0.613861	1.06E-49	0.452359	6.19E-25	0.47918	3.50E-28	0.552868
0.470472	4.27E-27	0.564256	1.30E-40	0.540372	9.24E-37	0.409698	2.50E-20	0.538388
0.292981	1.07E-10	0.625293	4.96E-52	0.346853	1.20E-14	0.347548	1.05E-14	0.491509
0.204232	8.64E-06	0.389633	2.22E-18	0.105078	0.02315	0.317616	2.09E-12	0.296826
0.642441	1.03E-55	0.764892	7.33E-91	0.75537	2.15E-87	0.463481	3.02E-26	0.552851
0.637458	1.28E-54	0.766306	2.17E-91	0.638929	6.12E-55	0.407489	4.16E-20	0.546693
0.585854	2.23E-44	0.633376	9.75E-54	0.649838	2.25E-57	0.382181	1.09E-17	0.449668
0.245344	7.87E-08	0.354303	2.94E-15	0.414022	9.12E-21	0.0994	0.03174	0.10305
0.462765	3.68E-26	0.5631	2.02E-40	0.459348	9.39E-26	0.302732	2.36E-11	0.562357
0.390325	1.91E-18	0.622411	1.96E-51	0.529015	4.92E-35	0.378194	2.51E-17	0.657183
0.213285	3.31E-06	0.467198	1.07E-26	0.283394	4.49E-10	0.27997	7.39E-10	0.407953
0.461663	4.98E-26	0.634526	5.52E-54	0.498307	1.11E-30	0.37335	6.80E-17	0.328293
-0.15419	0.00083	-0.3827	9.76E-18	-0.23221	3.89E-07	-0.2494	4.72E-08	-0.40534
0.303578	2.06E-11	0.477706	5.37E-28	0.364178	4.30E-16	0.245511	7.71E-08	0.389348
0.436626	3.69E-23	0.710461	5.77E-73	0.541466	6.25E-37	0.348195	9.32E-15	0.533743
-0.26095	1.04E-08	-0.41323	1.10E-20	-0.36692	2.49E-16	-0.19514	2.17E-05	-0.15668
-0.03908	0.39945	-0.37135	1.02E-16	-0.15325	0.00089	-0.12976	0.00498	-0.24782
-0.08206	0.07647	-0.42612	5.03E-22	-0.23158	4.19E-07	-0.37673	3.39E-17	-0.40689
0.4442	5.29E-24	0.744269	1.51E-83	0.477737	5.32E-28	0.517771	2.18E-33	0.712811
-0.42458	7.32E-22	-0.50905	3.74E-32	-0.49389	4.34E-30	-0.29244	1.16E-10	-0.16234
0.280565	6.78E-10	0.329236	2.87E-13	0.273847	1.77E-09	0.129752	0.00498	-0.04061
-0.50648	8.52E-32	-0.58233	9.59E-44	-0.48883	2.01E-29	-0.33022	2.42E-13	-0.38728
0.675629	1.50E-63	0.8395	#####	0.594364	6.10E-46	0.531668	1.97E-35	0.602177
0.310919	6.33E-12	0.566602	5.21E-41	0.43247	1.05E-22	0.117314	0.01118	0.372679
0.569636	1.59E-41	0.728756	1.71E-78	0.568677	2.31E-41	0.502767	2.76E-31	0.75208
0.47616	8.40E-28	0.735216	1.49E-80	0.576707	9.47E-43	0.417005	4.51E-21	0.781982
0.495338	2.78E-30	0.507169	6.84E-32	0.401029	1.80E-19	0.342901	2.49E-14	0.422945
0.190038	3.57E-05	0.397497	3.97E-19	0.39356	9.45E-19	0.116175	0.01199	0.189992
0.533848	9.23E-36	0.654136	2.31E-58	0.540111	1.01E-36	0.416003	5.72E-21	0.541365
-0.23916	1.69E-07	-0.52948	4.20E-35	-0.3874	3.59E-18	-0.18336	6.73E-05	-0.25507
-0.11609	0.01206	-0.54016	9.97E-37	-0.48479	6.73E-29	-0.11845	0.01041	-0.32038
0.269143	3.42E-09	0.455434	2.71E-25	0.316967	2.33E-12	0.104682	0.02368	0.194327
0.127389	0.00584	0.429546	2.17E-22	0.342147	2.85E-14	0.20334	9.48E-06	0.404101
0.592675	1.26E-45	0.738245	1.53E-81	0.564174	1.34E-40	0.508159	4.98E-32	0.623284
0.542677	4.05E-37	0.697719	2.30E-69	0.532237	1.62E-35	0.345599	1.51E-14	0.567629

-0.056	0.22705	-0.43036	1.77E-22	-0.30708	1.18E-11	-0.13033	0.00479	-0.20702
-0.35853	1.30E-15	-0.47678	7.02E-28	-0.41251	1.30E-20	-0.19884	1.50E-05	-0.35542
0.262893	8.04E-09	0.595146	4.36E-46	0.5268	1.05E-34	0.224826	9.18E-07	0.341741
-0.32533	5.65E-13	-0.45067	9.69E-25	-0.39438	7.89E-19	-0.30044	3.38E-11	-0.40902
0.335232	9.96E-14	0.663986	1.10E-60	0.592862	1.16E-45	0.334972	1.04E-13	0.389096
0.536827	3.25E-36	0.711866	2.25E-73	0.600826	3.70E-47	0.442349	8.54E-24	0.717023
0.439656	1.71E-23	0.488419	2.28E-29	0.466223	1.41E-26	0.290812	1.49E-10	0.0938
0.707114	5.32E-72	0.722341	1.67E-76	0.690794	1.74E-67	0.515261	4.98E-33	0.537428
0.419846	2.29E-21	0.536028	4.30E-36	0.465681	1.64E-26	0.178827	0.0001	0.359965
0.339622	4.52E-14	0.484256	7.88E-29	0.425308	6.13E-22	0.250664	4.01E-08	0.202931
0.40727	4.37E-20	0.562029	3.06E-40	0.463149	3.31E-26	0.378791	2.21E-17	0.597895
0.463357	3.12E-26	0.605211	5.32E-48	0.448998	1.51E-24	0.147682	0.00137	0.299523
0.43786	2.70E-23	0.568817	2.19E-41	0.478041	4.88E-28	0.159957	0.00052	0.254506
0.583797	5.23E-44	0.603256	1.27E-47	0.572385	5.35E-42	0.241114	1.33E-07	0.296358
0.519921	1.07E-33	0.702208	1.31E-70	0.623561	1.13E-51	0.453374	4.72E-25	0.583756
0.566128	6.27E-41	0.633855	7.69E-54	0.620407	5.05E-51	0.374976	4.88E-17	0.318124
0.542694	4.02E-37	0.62194	2.45E-51	0.486968	3.52E-29	0.371392	1.01E-16	0.535728
0.161506	0.00046	0.444931	4.38E-24	0.319919	1.42E-12	0.236305	2.39E-07	0.186192
0.421902	1.40E-21	0.519786	1.12E-33	0.444547	4.84E-24	0.309453	8.03E-12	0.419094
0.566016	6.55E-41	0.718764	2.03E-75	0.550885	2.03E-38	0.536238	3.99E-36	0.615945
0.506849	7.58E-32	0.761307	1.55E-89	0.640058	3.46E-55	0.409445	2.65E-20	0.550085
0.600564	4.15E-47	0.638144	9.08E-55	0.43329	8.54E-23	0.426237	4.89E-22	0.57067
0.683263	1.68E-65	0.766804	1.41E-91	0.672352	9.89E-63	0.466624	1.26E-26	0.56659
0.567533	3.62E-41	0.716664	8.64E-75	0.596029	2.98E-46	0.418602	3.09E-21	0.465254
0.656415	6.83E-59	0.837017	#####	0.604174	8.43E-48	0.554878	4.60E-39	0.646968
0.367171	2.37E-16	0.52309	3.69E-34	0.401032	1.80E-19	0.335383	9.70E-14	0.490561
0.725684	1.56E-77	0.851894	#####	0.654069	2.40E-58	0.567599	3.53E-41	0.691348
0.635968	2.70E-54	0.799821	#####	0.58445	3.99E-44	0.56003	6.56E-40	0.668056
0.644978	2.81E-56	0.828709	#####	0.721553	2.90E-76	0.407407	4.23E-20	0.454585
0.672512	9.03E-63	0.809898	#####	0.81523	#####	0.372955	7.38E-17	0.477337
0.357277	1.66E-15	0.494453	3.65E-30	0.462596	3.85E-26	0.173472	0.00017	0.194727
0.604963	5.94E-48	0.751231	6.18E-86	0.568384	2.60E-41	0.470331	4.44E-27	0.621532
0.302589	2.41E-11	0.697084	3.45E-69	0.555916	3.11E-39	0.420381	2.02E-21	0.488442
0.429403	2.24E-22	0.640858	2.31E-55	0.597555	1.54E-46	0.343173	2.36E-14	0.33476
0.59338	9.30E-46	0.857072	#####	0.680494	8.70E-65	0.501316	4.36E-31	0.676544
0.399381	2.61E-19	0.705324	1.72E-71	0.437469	2.98E-23	0.427742	3.38E-22	0.498543
-0.09306	0.04443	-0.42168	1.48E-21	-0.1898	3.66E-05	-0.15717	0.00065	-0.41792
0.405432	6.65E-20	0.544776	1.90E-37	0.449882	1.19E-24	0.324903	6.08E-13	0.442743
0.632346	1.62E-53	0.816054	#####	0.693029	4.37E-68	0.426709	4.35E-22	0.423374
0.570255	1.24E-41	0.694019	2.36E-68	0.573801	3.04E-42	0.494537	3.56E-30	0.659143
0.658602	2.10E-59	0.797223	#####	0.743987	1.89E-83	0.313683	4.02E-12	0.4206
0.647528	7.51E-57	0.842054	#####	0.701329	2.30E-70	0.446955	2.58E-24	0.567985
0.419315	2.60E-21	0.45829	1.25E-25	0.425737	5.52E-22	0.210064	4.68E-06	0.152845
0.249175	4.85E-08	0.468973	6.52E-27	0.395105	6.73E-19	0.209953	4.74E-06	0.344797
0.574564	2.24E-42	0.717391	5.24E-75	0.687472	1.33E-66	0.354497	2.83E-15	0.586691

0.782161	1.37E-97	0.86197	#####	0.71734	5.43E-75	0.473703	1.70E-27	0.532157
0.668902	7.03E-62	0.785721	4.69E-99	0.666051	3.48E-61	0.472983	2.09E-27	0.44562
0.610089	5.93E-49	0.742014	8.66E-83	0.676823	7.49E-64	0.481775	1.64E-28	0.543548
0.270362	2.89E-09	0.516292	3.55E-33	0.462765	3.68E-26	0.245882	7.36E-08	0.504016
0.674947	2.22E-63	0.677376	5.43E-64	0.671597	1.52E-62	0.431235	1.43E-22	0.434933
0.368929	1.67E-16	0.597876	1.34E-46	0.408064	3.64E-20	0.327866	3.65E-13	0.444969
0.575985	1.27E-42	0.666277	3.07E-61	0.594613	5.48E-46	0.312847	4.61E-12	0.479003
0.603484	1.15E-47	0.726126	1.14E-77	0.543255	3.29E-37	0.433395	8.32E-23	0.61125
0.493671	4.64E-30	0.557704	1.59E-39	0.468873	6.70E-27	0.234543	2.95E-07	0.315619
0.674182	3.46E-63	0.789293	#####	0.708049	2.87E-72	0.365272	3.46E-16	0.480471
0.488878	1.98E-29	0.738028	1.81E-81	0.538342	1.90E-36	0.467235	1.06E-26	0.613615
0.308314	9.66E-12	0.411742	1.55E-20	0.361164	7.79E-16	0.194164	2.39E-05	0.250339
0.480905	2.12E-28	0.630968	3.18E-53	0.442639	7.93E-24	0.315272	3.09E-12	0.29223
0.197393	1.73E-05	0.360068	9.65E-16	0.183861	6.42E-05	0.229906	5.10E-07	0.416326
0.456875	1.84E-25	0.470171	4.65E-27	0.409072	2.89E-20	0.169512	0.00023	0.354568
0.338129	5.92E-14	0.355948	2.14E-15	0.383103	8.96E-18	0.182733	7.13E-05	0.097078
0.389701	2.19E-18	0.513143	9.96E-33	0.456178	2.22E-25	0.447523	2.22E-24	0.574524
0.422925	1.09E-21	0.408797	3.08E-20	0.463475	3.02E-26	0.223498	1.07E-06	0.344549
0.678705	2.49E-64	0.816681	#####	0.647686	6.91E-57	0.49708	1.63E-30	0.609084
-0.28406	4.07E-10	-0.39712	4.32E-19	-0.34342	2.26E-14	-0.02088	0.65262	0.019495
-0.37602	3.93E-17	-0.5296	4.03E-35	-0.43106	1.49E-22	-0.26638	5.00E-09	-0.17377
0.422026	1.36E-21	0.420056	2.18E-21	0.311106	6.14E-12	0.385315	5.61E-18	0.420616
0.39339	9.81E-19	0.516714	3.09E-33	0.367746	2.11E-16	0.27975	7.63E-10	0.295346
0.524976	1.95E-34	0.652	7.20E-58	0.590389	3.32E-45	0.263754	7.15E-09	0.382794
0.320106	1.38E-12	0.506068	9.72E-32	0.502687	2.83E-31	0.203723	9.11E-06	0.220475
0.712189	1.81E-73	0.789374	#####	0.741318	1.48E-82	0.455438	2.71E-25	0.616944
0.654558	1.85E-58	0.783583	3.58E-98	0.637528	1.24E-54	0.454974	3.07E-25	0.599265
0.669204	5.92E-62	0.746627	2.40E-84	0.669476	5.08E-62	0.488552	2.19E-29	0.65328
-0.37553	4.35E-17	-0.48494	6.44E-29	-0.41854	3.13E-21	-0.34166	3.12E-14	-0.42454
-0.09658	0.03694	-0.37581	4.11E-17	-0.23919	1.68E-07	-0.15976	0.00053	-0.21664
0.452348	6.20E-25	0.703644	5.15E-71	0.481501	1.78E-28	0.341863	3.01E-14	0.478977
0.489159	1.82E-29	0.695595	8.80E-69	0.588817	6.44E-45	0.328807	3.09E-13	0.534329
0.388996	2.55E-18	0.597735	1.43E-46	0.515304	4.91E-33	0.403242	1.09E-19	0.561624
-0.23884	1.76E-07	-0.4987	9.85E-31	-0.47158	3.12E-27	-0.29632	6.42E-11	-0.48112
0.299257	4.07E-11	0.453255	4.87E-25	0.389264	2.40E-18	0.158792	0.00057	0.256977
0.498627	1.01E-30	0.616338	3.38E-50	0.513676	8.37E-33	0.405158	7.08E-20	0.484472
0.383978	7.45E-18	0.632437	1.55E-53	0.435078	5.45E-23	0.395827	5.74E-19	0.486753
0.480941	2.09E-28	0.582533	8.81E-44	0.46217	4.33E-26	0.481882	1.59E-28	0.692636
-0.18883	4.01E-05	-0.44751	2.23E-24	-0.45933	9.44E-26	-0.15057	0.0011	-0.36483
-0.24744	6.05E-08	-0.46353	2.98E-26	-0.30616	1.37E-11	-0.27374	1.80E-09	-0.42274
0.420745	1.85E-21	0.717273	5.68E-75	0.673385	5.47E-63	0.369479	1.49E-16	0.49907
0.592896	1.14E-45	0.738452	1.31E-81	0.570918	9.57E-42	0.48712	3.36E-29	0.656469
0.213544	3.22E-06	0.443285	6.71E-24	0.455924	2.38E-25	0.239606	1.60E-07	0.215589
0.734992	1.76E-80	0.760523	3.00E-89	0.686371	2.59E-66	0.431321	1.40E-22	0.444208
0.534524	7.29E-36	0.814375	#####	0.726354	9.66E-78	0.443683	6.05E-24	0.53458

0.526706	1.08E-34	0.436009	4.31E-23	0.524785	2.08E-34	0.144331	0.00177	0.155242
0.42881	2.60E-22	0.616715	2.83E-50	0.409244	2.77E-20	0.393192	1.02E-18	0.409331
0.683728	1.27E-65	0.865633	#####	0.793509	#####	0.498575	1.02E-30	0.615328
0.28619	2.97E-10	0.414087	8.98E-21	0.428274	2.97E-22	0.143842	0.00183	0.262795
0.212694	3.53E-06	0.459692	8.55E-26	0.218506	1.87E-06	0.328149	3.47E-13	0.512338
0.218673	1.84E-06	0.449488	1.33E-24	0.238571	1.82E-07	0.201452	1.15E-05	0.310246
0.178971	0.0001	0.429892	1.99E-22	0.455634	2.57E-25	0.072685	0.11674	0.136702
0.556943	2.12E-39	0.671496	1.61E-62	0.596804	2.13E-46	0.329107	2.94E-13	0.486008
0.515544	4.54E-33	0.743014	4.01E-83	0.616687	2.87E-50	0.48292	1.17E-28	0.624432
0.548728	4.49E-38	0.725776	1.46E-77	0.498223	1.14E-30	0.387614	3.43E-18	0.489603
0.495521	2.63E-30	0.753718	8.30E-87	0.572527	5.05E-42	0.451002	8.88E-25	0.568282
0.588785	6.53E-45	0.773724	3.15E-94	0.560048	6.52E-40	0.445958	3.35E-24	0.560744
0.273852	1.77E-09	0.529235	4.56E-35	0.368544	1.80E-16	0.296049	6.69E-11	0.439306
0.259435	1.28E-08	0.538074	2.09E-36	0.452361	6.18E-25	0.18513	5.70E-05	0.382444
-0.24758	5.94E-08	-0.54497	1.77E-37	-0.48853	2.20E-29	-0.30143	2.89E-11	-0.5644
0.611221	3.55E-49	0.830955	#####	0.657687	3.44E-59	0.418029	3.54E-21	0.55234
0.435073	5.46E-23	0.679032	2.06E-64	0.540755	8.06E-37	0.347301	1.10E-14	0.519111
0.490231	1.32E-29	0.641832	1.41E-55	0.409776	2.45E-20	0.499917	6.75E-31	0.525049
0.276446	1.23E-09	0.423097	1.05E-21	0.203152	9.66E-06	0.263037	7.88E-09	0.334921
0.539509	1.26E-36	0.459098	1.01E-25	0.387915	3.22E-18	0.371991	8.97E-17	0.420771
0.654236	2.19E-58	0.678374	3.03E-64	0.617581	1.89E-50	0.548553	4.79E-38	0.556184
0.159714	0.00053	0.476926	6.73E-28	0.138659	0.00267	0.370069	1.33E-16	0.478035
0.474043	1.54E-27	0.424815	6.92E-22	0.322781	8.75E-13	0.252363	3.23E-08	0.485695
0.686295	2.71E-66	0.792272	#####	0.733356	5.92E-80	0.400881	1.86E-19	0.46108
-0.2474	6.08E-08	-0.52755	8.14E-35	-0.49969	7.24E-31	-0.28867	2.05E-10	-0.30589
0.517762	2.18E-33	0.767855	5.66E-92	0.717818	3.90E-75	0.51572	4.28E-33	0.649885
0.59639	2.55E-46	0.757663	3.26E-88	0.623524	1.15E-51	0.434429	6.42E-23	0.493173
0.411179	1.77E-20	0.605278	5.16E-48	0.326037	5.00E-13	0.322541	9.11E-13	0.338414
0.014073	0.76165	-0.43992	1.60E-23	-0.3724	8.26E-17	-0.13707	0.003	-0.34072
0.470925	3.75E-27	0.764038	1.52E-90	0.503934	1.91E-31	0.479344	3.34E-28	0.729246
-0.0486	0.29456	-0.22861	5.94E-07	-0.22041	1.51E-06	-0.20026	1.30E-05	-0.38056
0.234739	2.88E-07	0.466605	1.27E-26	0.417334	4.17E-21	0.23238	3.81E-07	0.311053
0.461336	5.45E-26	0.707138	5.24E-72	0.391258	1.56E-18	0.451374	8.04E-25	0.722121
0.122372	0.00811	0.410619	2.02E-20	0.237139	2.16E-07	0.104099	0.02447	0.0861
0.354665	2.74E-15	0.684956	6.09E-66	0.499406	7.91E-31	0.353522	3.41E-15	0.49714
0.530862	2.60E-35	0.606829	2.58E-48	0.550412	2.42E-38	0.348748	8.41E-15	0.525429
0.285656	3.22E-10	0.42139	1.58E-21	0.407424	4.22E-20	0.048469	0.29591	0.128255
0.628468	1.07E-52	0.776157	3.50E-95	0.647736	6.74E-57	0.5072	6.77E-32	0.565931
-0.10428	0.02422	-0.49133	9.48E-30	-0.49607	2.22E-30	-0.1526	0.00094	-0.15395
0.556254	2.74E-39	0.782334	1.16E-97	0.543352	3.17E-37	0.469067	6.35E-27	0.61875
-0.35969	1.04E-15	-0.44946	1.34E-24	-0.44628	3.08E-24	-0.16604	0.00031	-0.30045
0.427905	3.25E-22	0.602473	1.79E-47	0.463182	3.28E-26	0.340341	3.97E-14	0.484057
-0.11826	0.01054	-0.48169	1.68E-28	-0.41493	7.37E-21	-0.15839	0.00059	-0.3237
0.606352	3.19E-48	0.781668	2.17E-97	0.610626	4.65E-49	0.450456	1.03E-24	0.635743
0.429884	1.99E-22	0.738462	1.30E-81	0.467198	1.07E-26	0.487276	3.21E-29	0.652534

0.445325	3.95E-24	0.627335	1.86E-52	0.566433	5.56E-41	0.251007	3.84E-08	0.166259
0.33804	6.02E-14	0.551264	1.77E-38	0.45531	2.81E-25	0.406663	5.02E-20	0.59704
-0.11228	0.0152	-0.393	1.07E-18	-0.26097	1.04E-08	-0.13851	0.0027	-0.16467
0.434557	6.21E-23	0.492207	7.25E-30	0.37298	7.34E-17	0.419828	2.30E-21	0.533021
-0.25304	2.96E-08	-0.52359	3.12E-34	-0.53241	1.53E-35	-0.25916	1.32E-08	-0.25334
-0.35516	2.49E-15	-0.55333	8.20E-39	-0.44138	1.10E-23	-0.15723	0.00065	-0.25619
0.501332	4.34E-31	0.699588	7.02E-70	0.587881	9.55E-45	0.326639	4.51E-13	0.427465
0.495108	2.99E-30	0.671101	2.02E-62	0.497707	1.34E-30	0.422982	1.08E-21	0.685664
0.5563	2.70E-39	0.624679	6.65E-52	0.568753	2.25E-41	0.305676	1.48E-11	0.412763
0.278108	9.66E-10	0.323229	8.10E-13	0.231527	4.22E-07	0.13431	0.00364	0.06862
-0.15686	0.00067	-0.3749	4.95E-17	-0.25247	3.18E-08	-0.11959	0.00969	-0.09128
-0.24455	8.70E-08	-0.38498	6.03E-18	-0.28357	4.37E-10	-0.15144	0.00103	-0.25192
0.307587	1.09E-11	0.503389	2.27E-31	0.323068	8.33E-13	0.388709	2.71E-18	0.590316
0.425399	6.00E-22	0.655445	1.15E-58	0.484075	8.32E-29	0.297238	5.57E-11	0.459211
0.401204	1.73E-19	0.554004	6.37E-39	0.457217	1.68E-25	0.395775	5.81E-19	0.26385
-0.15315	0.0009	-0.41738	4.13E-21	-0.40015	2.19E-19	-0.02243	0.62882	-0.0949
0.61361	1.19E-49	0.812639	#####	0.599295	7.22E-47	0.518138	1.93E-33	0.819143
0.275525	1.40E-09	0.359384	1.10E-15	0.349226	7.69E-15	0.056841	0.22018	0.017375
0.456411	2.09E-25	0.521982	5.36E-34	0.460124	7.60E-26	0.48581	4.97E-29	0.548965
0.479183	3.50E-28	0.737765	2.20E-81	0.449999	1.16E-24	0.455625	2.58E-25	0.662681
-0.17439	0.00015	-0.41947	2.51E-21	-0.38232	1.06E-17	-0.19094	3.28E-05	-0.14543
0.669368	5.40E-62	0.809504	#####	0.698147	1.76E-69	0.499008	8.96E-31	0.648255
0.252706	3.09E-08	0.601894	2.31E-47	0.57048	1.14E-41	0.202068	1.08E-05	0.295447
-0.07148	0.12295	-0.30713	1.17E-11	-0.33063	2.25E-13	-0.15005	0.00114	-0.38319
0.738459	1.30E-81	0.758995	1.08E-88	0.536433	3.73E-36	0.507728	5.72E-32	0.54204
-0.1414	0.00219	-0.45212	6.60E-25	-0.38896	2.57E-18	-0.0561	0.22629	-0.07125
0.369983	1.35E-16	0.592038	1.65E-45	0.422053	1.35E-21	0.34877	8.37E-15	0.508957
0.665174	5.67E-61	0.771774	1.80E-93	0.602113	2.10E-47	0.43182	1.23E-22	0.617323
-0.37005	1.33E-16	-0.57112	8.83E-42	-0.50015	6.28E-31	-0.41309	1.13E-20	-0.56951
0.32405	7.04E-13	0.381846	1.17E-17	0.318124	1.92E-12	0.100893	0.02926	0.056044
-0.23187	4.05E-07	-0.56741	3.81E-41	-0.39709	4.34E-19	-0.18429	6.17E-05	-0.21042
-0.24562	7.60E-08	-0.57124	8.41E-42	-0.48351	9.82E-29	-0.2921	1.22E-10	-0.38548
0.567017	4.43E-41	0.749705	2.10E-85	0.774213	2.03E-94	0.457785	1.44E-25	0.510065
0.38825	2.99E-18	0.57148	7.66E-42	0.537237	2.81E-36	0.200325	1.29E-05	0.348621
0.778274	5.05E-96	0.83327	#####	0.672512	9.02E-63	0.621193	3.48E-51	0.734455
0.698738	1.21E-69	0.842963	#####	0.701745	1.76E-70	0.439631	1.72E-23	0.698501
0.291309	1.38E-10	0.491097	1.02E-29	0.394734	7.30E-19	0.400983	1.82E-19	0.422114
0.30958	7.87E-12	0.630701	3.62E-53	0.354091	3.06E-15	0.429489	2.20E-22	0.581796
0.542288	4.65E-37	0.809916	#####	0.58309	7.00E-44	0.495577	2.59E-30	0.550278
0.025483	0.58279	-0.46511	1.92E-26	-0.25717	1.72E-08	-0.17092	0.00021	-0.48315
0.559323	8.59E-40	0.755414	2.08E-87	0.639632	4.29E-55	0.481831	1.61E-28	0.518427
0.586999	1.38E-44	0.572103	5.98E-42	0.583313	6.39E-44	0.281638	5.80E-10	0.346784
0.41382	9.56E-21	0.487087	3.40E-29	0.37287	7.50E-17	0.376161	3.82E-17	0.511211
0.298008	4.94E-11	0.463273	3.20E-26	0.346693	1.23E-14	0.236358	2.37E-07	0.374203
0.296333	6.41E-11	0.409448	2.65E-20	0.417704	3.82E-21	0.170232	0.00022	0.314614

0.665023	6.17E-61	0.797848	#####	0.70995	8.12E-73	0.470584	4.13E-27	0.639369
0.282525	5.10E-10	0.631509	2.44E-53	0.333363	1.39E-13	0.384231	7.06E-18	0.60191
-0.29047	1.57E-10	-0.42328	1.00E-21	-0.40385	9.54E-20	-0.39703	4.40E-19	-0.52365
0.538774	1.63E-36	0.645996	1.66E-56	0.453717	4.30E-25	0.373434	6.69E-17	0.410904
-0.31398	3.83E-12	-0.55255	1.09E-38	-0.43862	2.22E-23	-0.35694	1.77E-15	-0.57699
0.647074	9.51E-57	0.853461	#####	0.691215	1.34E-67	0.585231	2.89E-44	0.741808
0.420773	1.84E-21	0.489678	1.56E-29	0.458448	1.20E-25	0.530942	2.53E-35	0.515808
-0.42052	1.95E-21	-0.60525	5.23E-48	-0.57499	1.89E-42	-0.26821	3.89E-09	-0.27125
0.275521	1.40E-09	0.516412	3.41E-33	0.446046	3.27E-24	0.211903	3.85E-06	0.257627
0.439474	1.79E-23	0.655741	9.81E-59	0.665596	4.48E-61	0.197076	1.79E-05	0.214824
-0.36045	8.96E-16	-0.58327	6.51E-44	-0.54506	1.71E-37	-0.19906	1.47E-05	-0.13736
0.560233	6.07E-40	0.657936	3.01E-59	0.570256	1.24E-41	0.364848	3.77E-16	0.291663
-0.37034	1.25E-16	-0.66229	2.80E-60	-0.60453	7.20E-48	-0.37244	8.19E-17	-0.55924
-0.37998	1.73E-17	-0.48022	2.59E-28	-0.51057	2.30E-32	-0.27764	1.03E-09	-0.10151
0.319769	1.46E-12	0.748757	4.46E-85	0.571116	8.85E-42	0.398832	2.95E-19	0.508849
0.353919	3.16E-15	0.56527	8.75E-41	0.470066	4.79E-27	0.153262	0.00089	0.308642
0.497064	1.64E-30	0.7066	7.47E-72	0.583189	6.72E-44	0.385972	4.87E-18	0.473582
0.468032	8.49E-27	0.663635	1.33E-60	0.548352	5.16E-38	0.45748	1.56E-25	0.497875
0.599774	5.86E-47	0.810806	#####	0.513657	8.42E-33	0.449895	1.19E-24	0.623863
0.636845	1.74E-54	0.764252	1.27E-90	0.641045	2.10E-55	0.472994	2.08E-27	0.639849
0.107766	0.01984	0.419786	2.33E-21	0.327435	3.93E-13	0.231394	4.29E-07	0.415314
0.646658	1.18E-56	0.615463	5.06E-50	0.564182	1.33E-40	0.335831	8.95E-14	0.34178
-0.19182	3.01E-05	-0.52189	5.52E-34	-0.5063	9.02E-32	-0.10812	0.01944	-0.26309
0.454601	3.40E-25	0.605023	5.78E-48	0.422916	1.10E-21	0.288896	1.98E-10	0.333929
-0.39369	9.19E-19	-0.53751	2.56E-36	-0.48055	2.35E-28	-0.24945	4.69E-08	-0.26752
0.165626	0.00033	0.425701	5.57E-22	0.254793	2.35E-08	0.056651	0.22173	0.351477
0.545202	1.63E-37	0.721623	2.77E-76	0.585844	2.24E-44	0.466794	1.20E-26	0.610262
-0.33583	8.95E-14	-0.52077	8.03E-34	-0.38883	2.64E-18	-0.3296	2.70E-13	-0.44947
-0.31328	4.30E-12	-0.60521	5.31E-48	-0.47977	2.95E-28	-0.43153	1.33E-22	-0.45066
0.262277	8.73E-09	0.332348	1.66E-13	0.296092	6.65E-11	0.20491	8.05E-06	0.206363
0.650922	1.27E-57	0.77754	9.90E-96	0.535827	4.62E-36	0.530657	2.80E-35	0.660638
0.555501	3.64E-39	0.67548	1.63E-63	0.748123	7.37E-85	0.384484	6.69E-18	0.441808
0.40657	5.13E-20	0.747482	1.22E-84	0.500015	6.55E-31	0.395878	5.68E-19	0.674591
0.601208	3.13E-47	0.801309	#####	0.694016	2.37E-68	0.548737	4.48E-38	0.758923
0.585261	2.85E-44	0.773579	3.59E-94	0.701248	2.42E-70	0.371778	9.37E-17	0.473798
0.654467	1.94E-58	0.836371	#####	0.743552	2.64E-83	0.506436	8.64E-32	0.673711
-0.20983	4.80E-06	-0.42984	2.01E-22	-0.27625	1.26E-09	-0.2384	1.85E-07	-0.32662
0.566939	4.57E-41	0.71243	1.54E-73	0.523522	3.19E-34	0.506222	9.25E-32	0.812862
-0.22015	1.56E-06	-0.47201	2.75E-27	-0.4159	5.86E-21	-0.2822	5.34E-10	-0.4117
0.44043	1.40E-23	0.686893	1.89E-66	0.467753	9.18E-27	0.322815	8.70E-13	0.438305
0.677527	4.97E-64	0.728964	1.47E-78	0.634452	5.73E-54	0.618472	1.25E-50	0.657262
0.610852	4.19E-49	0.768404	3.50E-92	0.652583	5.28E-58	0.414385	8.38E-21	0.460666
0.324483	6.54E-13	0.490911	1.07E-29	0.371046	1.09E-16	0.287096	2.60E-10	0.314233
-0.23397	3.16E-07	-0.69819	1.71E-69	-0.51184	1.52E-32	-0.23211	3.94E-07	-0.42789
-0.24737	6.10E-08	-0.52811	6.71E-35	-0.46208	4.44E-26	-0.24381	9.54E-08	-0.51056



-0.24247	1.13E-07	-0.46338	3.10E-26	-0.4383	2.41E-23	-0.3416	3.15E-14	-0.48899
0.559949	6.77E-40	0.756139	1.15E-87	0.579079	3.62E-43	0.411548	1.63E-20	0.521984
0.358503	1.31E-15	0.383717	7.87E-18	0.340977	3.53E-14	0.302466	2.46E-11	0.191108
0.506933	7.38E-32	0.730689	4.20E-79	0.558936	9.95E-40	0.433706	7.69E-23	0.56169
0.525079	1.88E-34	0.777676	8.74E-96	0.606752	2.67E-48	0.332759	1.55E-13	0.527824
0.319351	1.56E-12	0.476647	7.30E-28	0.423105	1.05E-21	0.373064	7.21E-17	0.498614
0.59357	8.58E-46	0.805862	#####	0.573972	2.84E-42	0.445838	3.46E-24	0.650649
0.204126	8.74E-06	0.336585	7.82E-14	0.370634	1.18E-16	0.105625	0.02244	0.137907
0.691797	9.39E-68	0.694236	2.06E-68	0.652812	4.68E-58	0.482868	1.19E-28	0.526594
0.559722	7.38E-40	0.765095	6.16E-91	0.51502	5.39E-33	0.528271	6.35E-35	0.628142
0.520143	9.91E-34	0.570909	9.60E-42	0.570562	1.10E-41	0.311011	6.23E-12	0.154299
0.245133	8.08E-08	0.572	6.23E-42	0.412293	1.37E-20	0.396215	5.27E-19	0.591138
0.640032	3.51E-55	0.805868	#####	0.595665	3.49E-46	0.585226	2.89E-44	0.75146
0.488383	2.30E-29	0.502142	3.36E-31	0.469107	6.27E-27	0.397181	4.25E-19	0.462305
0.372522	8.06E-17	0.686037	3.17E-66	0.664019	1.08E-60	0.403374	1.06E-19	0.497887
0.419961	2.23E-21	0.478875	3.83E-28	0.451938	6.92E-25	-0.00975	0.83351	0.152261
0.189595	3.73E-05	0.333035	1.47E-13	0.362788	5.66E-16	0.142137	0.00208	0.303529
0.403541	1.02E-19	0.502843	2.70E-31	0.335511	9.48E-14	0.242309	1.15E-07	0.320521
-0.2043	8.58E-06	-0.41023	2.21E-20	-0.30427	1.85E-11	-0.273	2.00E-09	-0.42381
0.574534	2.27E-42	0.775333	7.38E-95	0.728408	2.20E-78	0.414768	7.65E-21	0.560431
-0.22676	7.35E-07	-0.3913	1.55E-18	-0.31841	1.83E-12	-0.20609	7.12E-06	-0.35451
0.137553	0.00289	0.356377	1.97E-15	0.198368	1.57E-05	0.045918	0.3221	0.276985
0.465	1.98E-26	0.742348	6.69E-83	0.667276	1.75E-61	0.348994	8.03E-15	0.583439
0.417123	4.39E-21	0.734303	2.94E-80	0.686916	1.86E-66	0.422474	1.22E-21	0.70859
0.442307	8.63E-24	0.641853	1.39E-55	0.705244	1.82E-71	0.323466	7.78E-13	0.483461
-0.17995	9.22E-05	-0.39037	1.89E-18	-0.32442	6.61E-13	-0.2041	8.76E-06	-0.40009
0.5714	7.90E-42	0.735982	8.40E-81	0.518747	1.58E-33	0.432012	1.17E-22	0.685985
0.563291	1.88E-40	0.652477	5.59E-58	0.624139	8.61E-52	0.363446	4.97E-16	0.431903
0.610911	4.08E-49	0.770978	3.64E-93	0.509132	3.65E-32	0.495694	2.50E-30	0.683691
0.340209	4.06E-14	0.58172	1.23E-43	0.498234	1.14E-30	0.142929	0.00196	0.281176
0.357074	1.73E-15	0.56836	2.62E-41	0.445756	3.53E-24	0.367414	2.26E-16	0.683199
0.265722	5.47E-09	0.341602	3.15E-14	0.308483	9.40E-12	0.17727	0.00012	0.182152
0.244725	8.51E-08	0.469694	5.32E-27	0.349937	6.72E-15	0.16632	0.00031	0.257681
0.595378	3.95E-46	0.727003	6.06E-78	0.597183	1.81E-46	0.49417	3.98E-30	0.637315
0.603341	1.22E-47	0.701682	1.83E-70	0.648855	3.76E-57	0.441336	1.11E-23	0.533059
0.186125	5.19E-05	0.390294	1.92E-18	0.403086	1.13E-19	0.189824	3.65E-05	0.344347
0.537623	2.45E-36	0.764331	1.19E-90	0.76959	1.24E-92	0.452229	6.40E-25	0.593747
0.69306	4.29E-68	0.762263	6.91E-90	0.657835	3.17E-59	0.443591	6.20E-24	0.627509
0.562838	2.24E-40	0.616942	2.55E-50	0.555791	3.26E-39	0.360561	8.76E-16	0.492767
0.437329	3.09E-23	0.616361	3.34E-50	0.500248	6.09E-31	0.291021	1.44E-10	0.356016
0.7272	5.27E-78	0.843402	#####	0.608319	1.32E-48	0.533711	9.68E-36	0.686518
0.635714	3.06E-54	0.791391	#####	0.640318	3.03E-55	0.517501	2.38E-33	0.655412
0.628327	1.15E-52	0.723316	8.39E-77	0.65094	1.26E-57	0.474686	1.28E-27	0.556582
0.434799	5.85E-23	0.621225	3.43E-51	0.452336	6.23E-25	0.321237	1.14E-12	0.406696
0.561725	3.43E-40	0.572159	5.85E-42	0.517441	2.43E-33	0.343261	2.33E-14	0.441072

-0.30191	2.68E-11	-0.55032	2.50E-38	-0.57147	7.69E-42	-0.28962	1.78E-10	-0.45421
0.27806	9.73E-10	0.325277	5.70E-13	0.283913	4.16E-10	0.226482	7.59E-07	0.407668
0.6362	2.40E-54	0.757598	3.44E-88	0.678693	2.51E-64	0.739179	7.55E-82	0.493106
0.412631	1.26E-20	0.590708	2.90E-45	0.559268	8.77E-40	0.197129	1.78E-05	0.293259
0.57153	7.51E-42	0.702732	9.30E-71	0.535055	6.05E-36	0.498685	9.90E-31	0.589855
0.52756	8.10E-35	0.693999	2.39E-68	0.608649	1.14E-48	0.458958	1.04E-25	0.663603
0.712278	1.70E-73	0.793605	#####	0.772076	1.37E-93	0.459253	9.64E-26	0.522931
0.528255	6.39E-35	0.829308	#####	0.723959	5.32E-77	0.405448	6.63E-20	0.54474
0.652209	6.44E-58	0.759421	7.54E-89	0.660302	8.31E-60	0.421059	1.71E-21	0.500996
0.37301	7.29E-17	0.599635	6.23E-47	0.484344	7.68E-29	0.130694	0.00467	0.351226
0.262422	8.56E-09	0.516483	3.33E-33	0.285776	3.16E-10	0.207338	6.25E-06	0.423003
0.6856	4.13E-66	0.773021	5.92E-94	0.557328	1.83E-39	0.466765	1.21E-26	0.538822
0.516562	3.25E-33	0.654883	1.55E-58	0.435462	4.95E-23	0.50684	7.60E-32	0.703637
0.611942	2.55E-49	0.78966	#####	0.693314	3.66E-68	0.490781	1.12E-29	0.487756
0.423362	9.84E-22	0.441013	1.20E-23	0.468088	8.36E-27	0.337477	6.66E-14	0.303765
0.68471	7.06E-66	0.816636	#####	0.656856	5.39E-59	0.463581	2.94E-26	0.623661
0.651583	8.97E-58	0.866219	#####	0.680104	1.10E-64	0.450241	1.09E-24	0.585446
0.659477	1.30E-59	0.695331	1.04E-68	0.473033	2.06E-27	0.360748	8.45E-16	0.483895
-0.14006	0.00242	-0.43123	1.43E-22	-0.28592	3.09E-10	-0.12401	0.00729	-0.31271
0.597788	1.39E-46	0.78165	2.21E-97	0.654689	1.72E-58	0.546829	9.00E-38	0.596114
0.61474	7.07E-50	0.772467	9.70E-94	0.533961	8.88E-36	0.404229	8.75E-20	0.497279
0.587144	1.30E-44	0.700716	3.41E-70	0.649508	2.67E-57	0.337309	6.87E-14	0.387856
0.607129	2.25E-48	0.74079	2.21E-82	0.70264	9.88E-71	0.430481	1.72E-22	0.540195
0.566969	4.52E-41	0.759033	1.04E-88	0.636007	2.64E-54	0.366153	2.91E-16	0.505982
0.089818	0.05242	-0.31299	4.51E-12	-0.1272	0.00591	-0.00565	0.90315	-0.18512
0.221111	1.40E-06	0.558286	1.27E-39	0.364981	3.67E-16	0.352486	4.15E-15	0.396345
0.391459	1.49E-18	0.716406	1.03E-74	0.460012	7.83E-26	0.419921	2.25E-21	0.483462
0.329084	2.95E-13	0.643059	7.52E-56	0.583637	5.59E-44	0.244402	8.86E-08	0.330973
0.617884	1.65E-50	0.702092	1.41E-70	0.58717	1.29E-44	0.390089	2.01E-18	0.46518
0.289069	1.93E-10	0.687241	1.53E-66	0.565964	6.68E-41	0.303952	1.94E-11	0.436282
0.700529	3.84E-70	0.767325	8.97E-92	0.604534	7.18E-48	0.465741	1.61E-26	0.667142
0.518258	1.85E-33	0.54258	4.19E-37	0.543175	3.38E-37	0.368913	1.67E-16	0.522317
0.507675	5.82E-32	0.701948	1.54E-70	0.478354	4.45E-28	0.463859	2.72E-26	0.623642
0.421318	1.61E-21	0.62262	1.77E-51	0.489561	1.62E-29	0.401301	1.70E-19	0.67813
0.179486	9.62E-05	0.574326	2.47E-42	0.318674	1.75E-12	0.351055	5.45E-15	0.479249
-0.26504	6.01E-09	-0.6415	1.67E-55	-0.54832	5.22E-38	-0.20681	6.61E-06	-0.20493
0.262996	7.92E-09	0.39637	5.09E-19	0.280321	7.02E-10	0.485557	5.36E-29	0.463131
0.556926	2.13E-39	0.787549	#####	0.597279	1.74E-46	0.42853	2.78E-22	0.610522
-0.32226	9.56E-13	-0.52255	4.42E-34	-0.3216	1.07E-12	-0.31231	5.04E-12	-0.24074
-0.43973	1.67E-23	-0.58404	4.72E-44	-0.59143	2.13E-45	-0.26642	4.97E-09	-0.4209
0.467174	1.08E-26	0.564593	1.14E-40	0.419333	2.59E-21	0.312578	4.82E-12	0.488364
0.391252	1.56E-18	0.677834	4.15E-64	0.385669	5.20E-18	0.428124	3.08E-22	0.637966
0.486911	3.58E-29	0.68251	2.63E-65	0.404647	7.96E-20	0.508234	4.86E-32	0.47884
0.085626	0.06448	0.470503	4.23E-27	0.201494	1.15E-05	0.229231	5.52E-07	0.314796
0.172441	0.00018	0.356447	1.95E-15	0.299997	3.62E-11	0.033968	0.46398	0.044227

0.175183	0.00014	0.414861	7.49E-21	0.288029	2.26E-10	0.191205	3.19E-05	0.307916
0.408236	3.50E-20	0.593004	1.09E-45	0.340867	3.61E-14	0.363218	5.20E-16	0.41661
0.31336	4.24E-12	0.493465	4.94E-30	0.35904	1.18E-15	0.381433	1.27E-17	0.29859
0.615363	5.30E-50	0.819465	#####	0.739506	5.89E-82	0.460562	6.74E-26	0.516406
0.500831	5.07E-31	0.836758	#####	0.590994	2.57E-45	0.484401	7.55E-29	0.701912
0.541804	5.53E-37	0.706458	8.20E-72	0.553461	7.81E-39	0.440247	1.47E-23	0.459047
0.32732	4.01E-13	0.610303	5.38E-49	0.450887	9.15E-25	0.326974	4.25E-13	0.523345
0.489448	1.67E-29	0.516893	2.91E-33	0.441061	1.19E-23	0.331884	1.80E-13	0.228317
0.257883	1.57E-08	0.426881	4.18E-22	0.292759	1.11E-10	0.043926	0.34356	0.063044
0.613532	1.23E-49	0.788645	#####	0.677105	6.36E-64	0.349249	7.65E-15	0.365016
0.355574	2.30E-15	0.602091	2.12E-47	0.555548	3.58E-39	0.369584	1.46E-16	0.486022
0.627822	1.47E-52	0.764324	1.19E-90	0.640471	2.81E-55	0.366165	2.90E-16	0.426563
0.508447	4.54E-32	0.738621	1.15E-81	0.558405	1.22E-39	0.424872	6.82E-22	0.604476
0.671606	1.51E-62	0.746983	1.81E-84	0.617785	1.72E-50	0.450357	1.05E-24	0.495715
0.662341	2.72E-60	0.754382	4.83E-87	0.728798	1.66E-78	0.551559	1.58E-38	0.598059
0.464902	2.03E-26	0.65724	4.38E-59	0.508613	4.31E-32	0.327676	3.77E-13	0.505138
0.076272	0.09971	0.389059	2.51E-18	0.22639	7.67E-07	0.154905	0.00078	0.32731
0.687815	1.08E-66	0.822357	#####	0.693782	2.74E-68	0.473039	2.06E-27	0.526213
0.291853	1.27E-10	0.408933	2.98E-20	0.340687	3.73E-14	0.190744	3.34E-05	0.338501
0.582703	8.22E-44	0.677239	5.88E-64	0.515299	4.92E-33	0.352619	4.05E-15	0.413049
0.589151	5.60E-45	0.704418	3.11E-71	0.53992	1.09E-36	0.341155	3.42E-14	0.422338
0.680614	8.11E-65	0.84506	#####	0.739148	7.74E-82	0.443806	5.86E-24	0.569351
0.313826	3.93E-12	0.593627	8.37E-46	0.493543	4.83E-30	0.344432	1.88E-14	0.416905
0.324031	7.06E-13	0.437182	3.20E-23	0.461008	5.96E-26	0.153204	0.0009	0.233347
0.353614	3.35E-15	0.544569	2.05E-37	0.414227	8.69E-21	0.221086	1.40E-06	0.239544
0.35855	1.30E-15	0.605531	4.61E-48	0.362296	6.24E-16	0.283153	4.65E-10	0.398675
0.457106	1.73E-25	0.687148	1.62E-66	0.391677	1.43E-18	0.474721	1.27E-27	0.618266
0.503445	2.23E-31	0.667139	1.89E-61	0.418621	3.07E-21	0.415466	6.49E-21	0.434011
0.492989	5.71E-30	0.436641	3.67E-23	0.382252	1.07E-17	0.237327	2.11E-07	0.152293
0.494261	3.87E-30	0.505536	1.15E-31	0.419588	2.44E-21	0.413359	1.07E-20	0.461026
-0.43248	1.05E-22	-0.61375	1.11E-49	-0.54796	5.95E-38	-0.28453	3.80E-10	-0.47131
0.224182	9.88E-07	0.437016	3.34E-23	0.267498	4.29E-09	0.081835	0.07728	0.220411
0.501429	4.21E-31	0.537419	2.64E-36	0.48001	2.75E-28	0.225168	8.83E-07	0.430155
0.445397	3.88E-24	0.62161	2.86E-51	0.620171	5.64E-51	0.327583	3.83E-13	0.415312
0.579183	3.47E-43	0.757053	5.40E-88	0.526458	1.18E-34	0.384572	6.57E-18	0.611963
0.190845	3.31E-05	0.494702	3.38E-30	0.361199	7.74E-16	0.043384	0.34955	0.085141
0.478226	4.62E-28	0.687465	1.34E-66	0.561373	3.93E-40	0.323277	8.04E-13	0.550742
0.297372	5.45E-11	0.394069	8.45E-19	0.355034	2.55E-15	0.169285	0.00024	0.168264
0.663171	1.72E-60	0.711022	3.97E-73	0.612518	1.96E-49	0.508279	4.80E-32	0.481059
0.347684	1.03E-14	0.770086	8.01E-93	0.494755	3.33E-30	0.438483	2.30E-23	0.596964
0.496117	2.19E-30	0.56252	2.53E-40	0.403757	9.74E-20	0.495028	3.06E-30	0.266198
0.304441	1.80E-11	0.457723	1.46E-25	0.306222	1.35E-11	0.325457	5.53E-13	0.112152
0.466949	1.15E-26	0.538277	1.95E-36	0.336423	8.05E-14	0.423367	9.83E-22	0.422559
0.555091	4.25E-39	0.82756	#####	0.740309	3.20E-82	0.476272	8.13E-28	0.567263
0.238708	1.79E-07	0.337694	6.41E-14	0.330634	2.25E-13	0.121143	0.00878	0.22947

0.258178	1.51E-08	0.5336	1.01E-35	0.424886	6.80E-22	0.105837	0.02217	0.176742
0.29981	3.73E-11	0.517665	2.26E-33	0.489098	1.86E-29	0.182218	7.48E-05	0.22912
0.53443	7.53E-36	0.726453	9.00E-78	0.529715	3.87E-35	0.374922	4.93E-17	0.572712
0.411768	1.55E-20	0.617365	2.10E-50	0.393215	1.02E-18	0.343595	2.19E-14	0.579842
0.43115	1.46E-22	0.573819	3.02E-42	0.454006	3.98E-25	0.229004	5.67E-07	0.131598
0.599501	6.60E-47	0.764066	1.49E-90	0.669292	5.63E-62	0.368438	1.84E-16	0.413258
0.473985	1.57E-27	0.62486	6.10E-52	0.460308	7.22E-26	0.286374	2.89E-10	0.406738
-0.25557	2.13E-08	-0.57435	2.44E-42	-0.41117	1.78E-20	-0.30449	1.78E-11	-0.52817
0.58473	3.55E-44	0.738681	1.10E-81	0.717586	4.58E-75	0.381214	1.33E-17	0.489482
0.538271	1.95E-36	0.592009	1.67E-45	0.51315	9.93E-33	0.371329	1.03E-16	0.380763
0.474565	1.33E-27	0.562116	2.95E-40	0.473657	1.72E-27	0.442521	8.17E-24	0.403807
0.375555	4.33E-17	0.663907	1.15E-60	0.460053	7.75E-26	0.22616	7.88E-07	0.365384
0.261093	1.02E-08	0.50616	9.44E-32	0.370105	1.32E-16	0.256818	1.81E-08	0.287316
0.598747	9.17E-47	0.636404	2.17E-54	0.648712	4.05E-57	0.441509	1.06E-23	0.305788
0.483516	9.81E-29	0.819769	#####	0.703715	4.92E-71	0.398151	3.43E-19	0.484644
0.467989	8.59E-27	0.740881	2.06E-82	0.675135	2.00E-63	0.338334	5.71E-14	0.527737
0.320799	1.22E-12	0.483294	1.05E-28	0.367258	2.33E-16	0.369305	1.55E-16	0.325284
0.64715	9.14E-57	0.818092	#####	0.641864	1.38E-55	0.521176	7.02E-34	0.630354
0.377607	2.83E-17	0.73024	5.83E-79	0.569501	1.67E-41	0.361725	6.98E-16	0.61041
0.508251	4.84E-32	0.62775	1.52E-52	0.549615	3.24E-38	0.396865	4.56E-19	0.327692
0.442258	8.75E-24	0.631049	3.06E-53	0.581873	1.16E-43	0.176189	0.00013	0.139451
0.520291	9.43E-34	0.464523	2.26E-26	0.445658	3.62E-24	0.307342	1.13E-11	0.316236
0.455925	2.38E-25	0.64297	7.87E-56	0.559302	8.66E-40	0.438646	2.21E-23	0.416876
0.392558	1.18E-18	0.513496	8.87E-33	0.316675	2.45E-12	0.203432	9.39E-06	0.307775
0.517834	2.13E-33	0.590062	3.81E-45	0.432025	1.17E-22	0.37817	2.52E-17	0.515858
0.351635	4.88E-15	0.445926	3.38E-24	0.445295	3.98E-24	0.278121	9.64E-10	0.42034
-0.44209	9.13E-24	-0.56552	7.95E-41	-0.50446	1.62E-31	-0.40095	1.83E-19	-0.59769
-0.46068	6.53E-26	-0.53785	2.27E-36	-0.49171	8.43E-30	-0.27271	2.08E-09	-0.43889
0.520789	7.99E-34	0.643606	5.69E-56	0.468579	7.28E-27	0.3015	2.86E-11	0.370897
0.328999	2.99E-13	0.490363	1.27E-29	0.363337	5.08E-16	0.207184	6.35E-06	0.238216
0.344169	1.97E-14	0.420958	1.76E-21	0.353059	3.72E-15	0.334697	1.10E-13	0.427552
0.464312	2.40E-26	0.676145	1.11E-63	0.599523	6.54E-47	0.40867	3.17E-20	0.518502
0.353534	3.40E-15	0.670807	2.39E-62	0.428037	3.14E-22	0.382879	9.40E-18	0.478744
0.644722	3.21E-56	0.644104	4.41E-56	0.502468	3.04E-31	0.3108	6.45E-12	0.386662
-0.1213	0.00869	-0.5153	4.92E-33	-0.21007	4.68E-06	-0.28085	6.50E-10	-0.52579
0.158697	0.00058	0.477332	5.99E-28	0.365313	3.44E-16	0.271657	2.41E-09	0.346001
0.456932	1.81E-25	0.701991	1.50E-70	0.569937	1.41E-41	0.413541	1.02E-20	0.491469
0.699606	6.94E-70	0.868071	#####	0.694652	1.59E-68	0.429801	2.03E-22	0.545616
0.394804	7.19E-19	0.515021	5.39E-33	0.435727	4.63E-23	0.353054	3.73E-15	0.635103
-0.20952	4.96E-06	-0.42378	8.90E-22	-0.35302	3.75E-15	-0.26766	4.20E-09	-0.34863
0.614089	9.54E-50	0.81702	#####	0.625689	4.10E-52	0.579133	3.54E-43	0.68475
0.453059	5.13E-25	0.597877	1.34E-46	0.475195	1.11E-27	0.29812	4.86E-11	0.371272
0.373532	6.56E-17	0.529555	4.09E-35	0.283797	4.23E-10	0.361053	7.96E-16	0.333499
0.264683	6.31E-09	0.446302	3.06E-24	0.365075	3.60E-16	0.143951	0.00182	-0.03915
0.373616	6.44E-17	0.615796	4.34E-50	0.572305	5.52E-42	0.247046	6.36E-08	0.291499

0.515804	4.17E-33	0.562337	2.71E-40	0.584018	4.77E-44	0.317204	2.24E-12	0.277788
0.466614	1.26E-26	0.526264	1.26E-34	0.577093	8.10E-43	0.228146	6.26E-07	0.35042
0.292329	1.18E-10	0.482605	1.28E-28	0.382629	9.91E-18	0.366163	2.90E-16	0.382662
0.359588	1.06E-15	0.526368	1.22E-34	0.390842	1.71E-18	0.280064	7.29E-10	0.183291
0.378535	2.34E-17	0.520789	7.99E-34	0.47945	3.24E-28	0.382036	1.12E-17	0.361677
0.220287	1.53E-06	0.41333	1.07E-20	0.366448	2.74E-16	-0.00872	0.85086	0.08377
0.395181	6.62E-19	0.539418	1.30E-36	0.53482	6.57E-36	0.183801	6.46E-05	0.204723
0.542498	4.31E-37	0.758404	1.76E-88	0.595006	4.63E-46	0.387788	3.30E-18	0.555031
0.29571	7.05E-11	0.357649	1.54E-15	0.410059	2.30E-20	0.096581	0.03694	0.066384
0.427279	3.79E-22	0.534742	6.76E-36	0.497587	1.39E-30	0.316906	2.36E-12	0.443219
0.32202	9.96E-13	0.569718	1.54E-41	0.402253	1.37E-19	0.359586	1.06E-15	0.478001
0.386372	4.48E-18	0.471566	3.13E-27	0.440886	1.24E-23	0.297592	5.27E-11	0.391271
0.336682	7.68E-14	0.41192	1.49E-20	0.389151	2.46E-18	0.156028	0.00072	0.135506
0.295209	7.61E-11	0.409882	2.39E-20	0.368418	1.85E-16	0.166551	0.0003	0.314085
0.355461	2.35E-15	0.560303	5.91E-40	0.433727	7.65E-23	0.239459	1.63E-07	0.27997
0.53879	1.62E-36	0.823127	#####	0.669833	4.15E-62	0.512348	1.29E-32	0.690124
0.304203	1.87E-11	0.376828	3.33E-17	0.281609	5.82E-10	0.289623	1.78E-10	0.502569
0.474896	1.21E-27	0.443626	6.14E-24	0.263418	7.49E-09	0.382715	9.73E-18	0.391576
0.099136	0.0322	0.412128	1.42E-20	0.472121	2.67E-27	0.149456	0.0012	0.288781
0.466535	1.29E-26	0.512836	1.10E-32	0.43315	8.84E-23	0.285749	3.17E-10	0.321
0.070157	0.13005	0.443074	7.08E-24	0.293542	9.83E-11	0.064103	0.16667	0.214952
-0.2914	1.36E-10	-0.49711	1.62E-30	-0.34597	1.41E-14	-0.32819	3.44E-13	-0.51212
0.389056	2.52E-18	0.706176	9.86E-72	0.667301	1.73E-61	0.348966	8.07E-15	0.451171
-0.15715	0.00065	-0.35834	1.35E-15	-0.29468	8.26E-11	-0.16189	0.00044	-0.3447
0.420978	1.75E-21	0.58736	1.19E-44	0.44943	1.35E-24	0.159717	0.00053	0.162656
0.35417	3.01E-15	0.440563	1.35E-23	0.148919	0.00125	0.260541	1.10E-08	0.295188
0.318466	1.82E-12	0.54003	1.04E-36	0.270485	2.84E-09	0.211592	3.98E-06	0.156354
0.55938	8.40E-40	0.622824	1.61E-51	0.497878	1.27E-30	0.412269	1.37E-20	0.559427
0.57769	6.37E-43	0.642058	1.25E-55	0.515164	5.14E-33	0.425486	5.87E-22	0.49867
0.379039	2.10E-17	0.568667	2.32E-41	0.561263	4.10E-40	0.349997	6.65E-15	0.542338
0.502182	3.32E-31	0.673201	6.08E-63	0.637596	1.20E-54	0.283452	4.45E-10	0.331289
0.614299	8.66E-50	0.794111	#####	0.668373	9.47E-62	0.44915	1.45E-24	0.517894
0.667465	1.58E-61	0.843999	#####	0.714286	4.38E-74	0.459079	1.01E-25	0.444546
0.67023	3.31E-62	0.820332	#####	0.697032	3.56E-69	0.439781	1.65E-23	0.521012
0.220319	1.53E-06	0.271918	2.32E-09	0.211784	3.90E-06	0.207953	5.86E-06	0.258082
0.073125	0.11454	0.243993	9.32E-08	0.271153	2.59E-09	0.081309	0.07921	0.212253
0.003506	0.93976	0.120592	0.00909	0.112463	0.01503	0.062408	0.17819	0.149036
-0.10962	0.0178	-0.09523	0.03967	-0.00699	0.88019	-0.14526	0.00165	-0.08599
-0.18029	8.94E-05	-0.29667	6.08E-11	-0.12159	0.00853	-0.34402	2.02E-14	-0.39972
0.084667	0.06754	0.244615	8.62E-08	0.125691	0.00653	0.294021	9.13E-11	0.329096
-0.04283	0.35577	-0.08049	0.08229	-0.0246	0.59588	-0.09497	0.04023	-0.05029
0.079905	0.08455	-0.01079	0.81613	-0.15198	0.00099	0.079663	0.0855	0.117564
-0.23024	4.91E-07	-0.06747	0.14545	-0.13954	0.00251	-0.04324	0.35113	0.097236
-0.058	0.21094	0.202205	1.06E-05	0.101085	0.02895	0.07229	0.11875	0.220333
0.129581	0.00504	0.222364	1.21E-06	0.142015	0.0021	0.09917	0.03214	0.2016

0.029886	0.51942	0.214602	2.87E-06	0.223815	1.03E-06	0.055658	0.22995	0.162302
-0.01397	0.76339	-0.12599	0.00641	-0.17741	0.00012	0.07712	0.096	0.149693
-0.13139	0.00445	0.02307	0.619	-0.03533	0.4462	0.052219	0.26008	0.236245
-0.00565	0.90304	0.140347	0.00237	0.08684	0.06077	0.064326	0.16519	0.181559
-0.24902	4.95E-08	-0.26735	4.38E-09	-0.33354	1.35E-13	-0.27641	1.23E-09	-0.12807
-0.00211	0.96369	-0.02936	0.52681	-0.06752	0.14514	0.079319	0.08686	0.124105
-0.00777	0.86708	0.242903	1.07E-07	0.180383	8.86E-05	0.137833	0.00284	0.252791
-0.30328	2.16E-11	-0.02612	0.57348	-0.10161	0.02812	-0.18129	8.15E-05	-0.07246
0.11805	0.01067	-0.36475	3.85E-16	-0.20117	1.18E-05	-0.12876	0.00532	-0.39138
-0.01579	0.73366	0.032051	0.48959	0.061826	0.18228	0.064237	0.16578	0.043894
-0.07869	0.0894	0.141956	0.0021	0.101037	0.02902	0.077194	0.09567	0.26428
-0.06391	0.16798	-0.09735	0.03545	-0.03317	0.4745	-0.1594	0.00055	-0.00353
-0.12754	0.00578	0.130707	0.00467	-0.10826	0.01928	0.042941	0.3545	0.169418
-0.08467	0.06754	0.125457	0.00664	0.053527	0.24831	0.079354	0.08672	0.164219
-0.11184	0.01561	0.017944	0.69892	0.022487	0.62789	0.10665	0.02116	0.169381
-0.00594	0.89814	0.118688	0.01026	0.09563	0.03885	0.1113	0.01612	0.205097
-0.0295	0.52476	0.191435	3.12E-05	0.106467	0.02138	0.131455	0.00443	0.338503
-0.07808	0.09191	0.020783	0.65418	-0.02003	0.66587	-0.05144	0.26729	0.164339
-0.06102	0.18807	0.140822	0.00229	0.063923	0.16787	0.100382	0.03009	0.370574
-0.00367	0.93698	0.003862	0.93366	-0.00787	0.86525	0.049861	0.28224	0.110316
0.06973	0.13241	-0.01976	0.67013	-0.06586	0.15533	-0.01124	0.80862	0.164421
-0.08861	0.05569	0.137511	0.0029	0.048266	0.29795	0.04727	0.30803	0.261121
0.110322	0.01708	0.267637	4.21E-09	0.244416	8.84E-08	0.127517	0.00579	0.066234
0.013059	0.77835	-0.12241	0.00809	-0.0502	0.27895	0.050635	0.27483	-0.23073
-0.01978	0.6698	-0.04358	0.34735	-0.09335	0.04377	0.086529	0.06171	0.390678
-0.05799	0.21097	0.076758	0.09757	-0.06128	0.18617	0.042533	0.3591	0.349191
0.104595	0.02379	0.164115	0.00037	0.084448	0.06826	0.178105	0.00011	0.40683
-0.09657	0.03697	-0.01996	0.66697	-0.07382	0.11111	0.028553	0.53821	0.218945
0.2609	1.05E-08	0.457595	1.51E-25	0.2953	7.51E-11	0.344135	1.98E-14	0.573561
-0.07362	0.1121	0.062744	0.17586	-0.0388	0.40285	0.098104	0.03405	0.294424
0.013014	0.7791	0.216884	2.24E-06	0.178579	0.0001	0.072777	0.11628	0.283447
-0.03655	0.43068	0.032216	0.48736	0.007714	0.86796	0.087113	0.05996	0.1761
-0.00032	0.99457	0.037593	0.41765	0.069127	0.1358	0.044529	0.33696	0.152246
-0.06825	0.14083	-0.18784	4.41E-05	-0.15843	0.00059	-0.02116	0.64825	0.041571
-0.16433	0.00036	-0.13835	0.00273	-0.05897	0.20337	-0.28406	4.07E-10	-0.05714
0.107146	0.02056	-0.09699	0.03615	-0.04235	0.36114	-0.0355	0.44412	-0.16675
0.076063	0.10065	0.085786	0.06398	-0.09511	0.03994	0.209094	5.19E-06	0.411761
-0.21173	3.92E-06	-0.22136	1.36E-06	-0.22061	1.48E-06	-0.14322	0.00192	-0.01873
0.007166	0.87725	-0.00726	0.87574	0.038845	0.40231	0.052152	0.26069	0.143051
0.00717	0.87719	0.358183	1.39E-15	0.285533	3.27E-10	0.13761	0.00288	0.467274
-0.06547	0.1578	-0.11434	0.01342	-0.0868	0.06089	-0.03082	0.50646	0.099934
0.049255	0.28815	0.282405	5.19E-10	0.186996	4.78E-05	0.121751	0.00844	0.315934
0.143134	0.00193	0.325965	5.07E-13	0.310476	6.80E-12	0.171034	0.0002	0.464791
-0.13887	0.00263	0.041519	0.37067	-0.00222	0.96177	-0.04617	0.31947	0.069188
-0.12121	0.00874	0.213336	3.29E-06	0.011398	0.80594	0.139456	0.00252	0.391952

-0.04564	0.32501	0.233863	3.20E-07	0.145348	0.00164	0.075581	0.10283	0.355259
-0.10597	0.022	0.084028	0.06965	0.019573	0.67311	0.104228	0.02429	0.366599
-0.27065	2.78E-09	-0.08249	0.07494	-0.09707	0.03599	-0.11295	0.0146	0.059948
-0.09493	0.0403	-0.02065	0.65622	0.031921	0.49136	-0.03283	0.47907	0.123531
0.329398	2.79E-13	0.482615	1.28E-28	0.39787	3.65E-19	0.135869	0.00326	0.296269
-0.1879	4.39E-05	0.019766	0.67008	-0.02932	0.52732	0.064579	0.16353	0.18576
0.11518	0.01275	0.088913	0.05485	-0.0112	0.80931	0.29885	4.34E-11	0.371353
0.311375	5.87E-12	0.462912	3.53E-26	0.340544	3.82E-14	0.300659	3.27E-11	0.596162
0.213918	3.09E-06	0.33022	2.42E-13	0.231267	4.35E-07	0.184697	5.94E-05	0.307124
-0.08964	0.05288	0.032813	0.47932	0.025187	0.58718	-0.10947	0.01796	-0.08428
-0.25208	3.35E-08	-0.32384	7.30E-13	-0.36032	9.19E-16	-0.09876	0.03286	-0.00406
-0.15773	0.00062	-0.07615	0.10024	-0.09213	0.04661	-0.05077	0.27353	-0.03729
-0.04682	0.31266	0.08836	0.05638	0.007219	0.87635	0.091401	0.04838	0.315943
-0.00518	0.9111	-0.01679	0.7174	0.051437	0.26729	-0.07149	0.12288	0.077347
-0.02875	0.53537	0.18754	4.54E-05	0.157509	0.00064	0.125005	0.00684	0.319961
-0.04809	0.29968	0.105775	0.02225	0.070214	0.12974	0.049464	0.28611	0.073064
-0.08118	0.07968	-0.04989	0.28201	-0.00534	0.90841	-0.0132	0.77608	0.056586
-0.05383	0.24563	0.012417	0.78898	0.046814	0.31274	0.010051	0.82849	0.054714
0.232168	3.91E-07	0.065213	0.15943	0.007304	0.87492	0.220997	1.42E-06	0.122249
-0.03334	0.47227	0.139912	0.00244	0.048058	0.30003	0.127528	0.00578	0.369223
0.045456	0.327	-0.05868	0.20558	-0.29349	9.91E-11	0.247329	6.13E-08	0.31059
-0.01294	0.78027	0.146355	0.00152	0.128362	0.00547	0.054384	0.24081	0.163202
0.01825	0.69405	-0.01775	0.70195	-0.00307	0.94725	0.065512	0.15752	0.238417
-0.14342	0.00189	0.065921	0.15494	0.023793	0.60804	-0.06455	0.16371	0.154574
0.224995	9.00E-07	0.493408	5.03E-30	0.283082	4.70E-10	0.363218	5.20E-16	0.672621
0.065989	0.15452	0.20878	5.37E-06	0.197833	1.66E-05	0.187101	4.73E-05	0.53102
0.118147	0.01061	0.271071	2.62E-09	0.222759	1.16E-06	0.191369	3.14E-05	0.137945
-0.01924	0.67836	0.292348	1.18E-10	0.179784	9.36E-05	0.009601	0.83607	0.073471
0.020019	0.6661	0.22558	8.42E-07	0.186427	5.05E-05	0.109621	0.0178	0.481072
0.167794	0.00027	0.059548	0.19896	-0.11804	0.01068	0.322465	9.23E-13	0.161768
0.363576	4.85E-16	0.594953	4.74E-46	0.369468	1.50E-16	0.353911	3.17E-15	0.569951
0.122662	0.00796	0.312823	4.63E-12	0.218395	1.89E-06	0.158474	0.00059	0.382056
0.036558	0.4306	0.136125	0.0032	0.078503	0.09016	0.135633	0.00332	0.374019
0.111996	0.01546	0.211299	4.10E-06	0.124012	0.00729	0.181972	7.65E-05	0.33023
-0.02304	0.61948	0.110825	0.01658	-0.01799	0.69817	0.15679	0.00067	0.306841
-0.23454	2.95E-07	-0.06767	0.14426	-0.06215	0.17998	-0.08652	0.06174	0.091691
-0.03475	0.4537	-0.04377	0.34529	-0.08821	0.05679	0.070754	0.12681	0.330007
0.073599	0.1122	0.068107	0.14168	0.077024	0.09641	0.141589	0.00216	0.050405
-0.13557	0.00333	0.103154	0.0258	0.062151	0.17999	-0.11279	0.01474	0.116126
-0.19591	2.01E-05	-0.11789	0.01078	-0.16011	0.00051	-0.03312	0.47528	-0.04548
0.023874	0.60683	-0.0147	0.75141	-0.01461	0.75284	0.083116	0.07274	-0.0586
0.055207	0.23376	0.162003	0.00044	0.118986	0.01007	0.0853	0.06551	0.234888
0.185754	5.38E-05	0.497323	1.51E-30	0.248235	5.47E-08	0.263409	7.50E-09	0.464546
-0.04765	0.30421	0.153847	0.00085	-0.00997	0.82986	0.104638	0.02373	0.180185
0.198622	1.53E-05	0.354366	2.90E-15	0.374885	4.97E-17	0.259815	1.21E-08	0.406193

-0.06862	0.13871	-0.14765	0.00138	-0.12205	0.00828	-0.10192	0.02763	-0.13946
-0.039	0.40045	0.113659	0.01399	0.041573	0.37005	0.087426	0.05905	0.217746
-0.19216	2.91E-05	-0.10008	0.03059	-0.13441	0.00361	-0.00523	0.91028	0.133982
-0.01485	0.74894	0.05594	0.2276	0.10309	0.0259	0.062548	0.17721	0.2551
-0.13357	0.00383	-0.09259	0.04551	-0.10223	0.02716	-0.1183	0.01051	-0.06584
-0.16845	0.00026	-0.22599	8.03E-07	-0.25428	2.52E-08	-0.09362	0.04317	-0.00257
-0.26029	1.14E-08	-0.40412	8.97E-20	-0.34237	2.74E-14	-0.15941	0.00054	-0.08607
-0.15524	0.00076	-0.07171	0.12175	-0.05634	0.22427	-0.02372	0.60917	0.155629
-0.04734	0.3073	-0.1791	9.97E-05	-0.1303	0.0048	-0.07205	0.11996	-0.23172
0.172818	0.00017	0.169979	0.00022	0.170943	0.00021	0.17801	0.00011	0.236608
0.386799	4.09E-18	0.536625	3.49E-36	0.359094	1.17E-15	0.276379	1.24E-09	0.518841
0.372879	7.49E-17	0.48282	1.20E-28	0.2756	1.38E-09	0.378441	2.38E-17	0.607787
0.088589	0.05574	0.204377	8.51E-06	0.066683	0.15022	0.163729	0.00038	0.286582
-0.05735	0.21606	0.050637	0.27482	0.051556	0.26618	-0.0406	0.38139	0.177972
0.284667	3.72E-10	0.248947	5.00E-08	0.341555	3.18E-14	0.095549	0.03902	0.152061
-0.03285	0.47877	0.330679	2.23E-13	0.215686	2.55E-06	0.097912	0.0344	0.306162
-0.15645	0.00069	-0.05987	0.19653	-0.11714	0.01129	-0.02718	0.55797	0.069872
-0.1438	0.00184	-0.05918	0.20174	-0.053	0.25302	-0.24274	1.09E-07	-0.19985
0.122297	0.00815	0.216242	2.40E-06	0.209398	5.03E-06	0.182555	7.25E-05	0.284898
0.236262	2.40E-07	0.178671	0.0001	0.153504	0.00087	0.224402	9.63E-07	0.102611
0.095706	0.03869	0.215041	2.74E-06	0.128448	0.00544	0.220548	1.49E-06	0.461298
0.34312	2.39E-14	0.38743	3.57E-18	0.519983	1.05E-33	0.199649	1.38E-05	0.239382
-0.00188	0.96772	0.152019	0.00098	0.045367	0.32794	0.130588	0.0047	0.318271
-0.05493	0.23615	0.194628	2.28E-05	-0.01741	0.70741	0.08459	0.06779	0.363967
-0.04721	0.30864	0.071909	0.12071	0.034512	0.45686	-0.04328	0.35069	0.075006
-0.0203	0.66168	0.129122	0.0052	0.10861	0.01889	0.056642	0.22181	0.100107
-0.0944	0.04144	0.039821	0.39058	-0.02896	0.53249	0.065047	0.1605	0.28257
0.073784	0.1113	-0.07491	0.10592	-0.0871	0.05999	0.077274	0.09533	0.1172
0.031806	0.49293	0.097725	0.03475	0.033119	0.47524	0.105676	0.02237	0.310832
0.175639	0.00014	0.290956	1.46E-10	0.141751	0.00214	0.284892	3.60E-10	0.467349
-0.00621	0.89353	0.210025	4.70E-06	0.015871	0.73229	0.160027	0.00052	0.344853
-0.04121	0.37427	0.138194	0.00276	-0.15718	0.00065	0.105362	0.02278	0.242316
-0.10693	0.02082	0.102838	0.02626	-0.02517	0.58743	0.07133	0.12374	0.247937
-0.01836	0.69228	0.015908	0.73169	0.031642	0.49516	0.090372	0.05097	0.110396
0.14245	0.00203	0.214559	2.89E-06	0.020071	0.66528	0.068075	0.14187	0.216752
0.170522	0.00021	0.353876	3.19E-15	0.384121	7.23E-18	0.214951	2.76E-06	0.494695
0.338861	5.19E-14	0.33868	5.36E-14	0.193982	2.43E-05	0.281265	6.12E-10	0.242564
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0.173247	0.00017	0.168356	0.00026	-0.03974	0.39152	0.214348	2.95E-06	0.46969
0.009984	0.82963	0.017792	0.70136	0.023477	0.61281	0.048469	0.29592	0.163358
-0.14266	0.002	-0.10732	0.02035	-0.26268	8.27E-09	-0.1222	0.0082	-0.01689
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0.334349	1.17E-13	0.3509	5.61E-15	0.243474	9.94E-08	0.328084	3.51E-13	0.497802



-0.09945	0.03166	0.010179	0.82635	-0.0511	0.27042	0.030399	0.51227	0.280623
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0.192577	2.79E-05	0.251096	3.80E-08	0.135872	0.00326	0.356654	1.87E-15	0.42253
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0.146169	0.00154	-0.10706	0.02066	0.013658	0.76846	0.144219	0.00178	-0.05588
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0.025446	0.58334	0.41631	5.32E-21	0.294694	8.24E-11	0.123381	0.0076	0.343644
0.027166	0.55814	0.076824	0.09728	0.063267	0.17228	0.086819	0.06084	0.178422
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0.097964	0.03431	0.318602	1.77E-12	0.194527	2.31E-05	0.150456	0.00111	0.396138
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-0.07961	0.08569	0.076857	0.09714	-0.03745	0.41943	0.104629	0.02375	0.31775
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-0.01983	0.66905	0.140673	0.00231	0.068131	0.14154	0.076677	0.09792	0.27956
0.014526	0.75422	-0.12991	0.00493	-0.062	0.18102	-0.10905	0.0184	-0.3073
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0.019463	0.67484	-0.02518	0.58734	0.048636	0.29425	-0.13064	0.00469	-0.10238
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0.057115	0.21796	0.036691	0.42892	-0.11118	0.01623	0.115309	0.01265	0.07878
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0.250126	4.30E-08	0.330471	2.31E-13	0.273991	1.74E-09	0.180684	8.62E-05	0.252076
0.000389	0.99332	0.029672	0.5224	-0.01781	0.70111	-0.01473	0.75082	0.077695
0.071822	0.12116	-0.07272	0.11654	0.015726	0.73465	0.057033	0.21863	0.21886
-0.06601	0.1544	0.012909	0.78083	-0.00981	0.83255	0.032718	0.48061	0.200803
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-0.06125	0.18638	0.127956	0.00562	-0.0036	0.93809	0.087486	0.05887	0.291049
-0.22729	6.92E-07	-0.16507	0.00034	-0.20846	5.55E-06	-0.09277	0.04509	0.016411
0.071138	0.12475	0.16925	0.00024	0.112808	0.01473	0.102421	0.02688	0.381015
0.002183	0.96247	0.166948	0.00029	0.034418	0.45809	0.128874	0.00528	0.333612
0.219236	1.72E-06	0.359081	1.17E-15	0.115587	0.01244	0.329456	2.76E-13	0.620085
-0.02316	0.61763	0.136226	0.00318	-0.03272	0.48056	0.13773	0.00286	0.343966
-0.14872	0.00127	-0.00706	0.87904	-0.06804	0.14208	-0.01136	0.80657	0.188202
-0.11894	0.01009	0.057841	0.21216	0.026131	0.57324	0.004217	0.92758	0.147551
-0.02525	0.58621	0.158999	0.00056	0.099428	0.0317	0.074787	0.10651	0.265161
0.008597	0.853	0.117222	0.01124	0.033315	0.47263	0.11311	0.01446	0.315149
0.048151	0.2991	0.302212	2.56E-11	0.21292	3.45E-06	0.160576	0.0005	0.352924
0.036098	0.43643	0.329916	2.55E-13	0.332113	1.73E-13	0.154614	0.0008	0.313642
0.108245	0.01929	-0.12841	0.00545	-0.02406	0.60396	-0.01418	0.75981	-0.0594
0.005306	0.90895	0.150449	0.00111	0.087669	0.05834	0.088267	0.05664	0.190158

-0.01559	0.73691	-0.08385	0.07023	-0.17227	0.00018	0.104871	0.02342	0.179595
0.029356	0.52685	0.027568	0.55234	-0.24084	1.38E-07	0.033794	0.46628	0.173773
0.04315	0.35216	0.16355	0.00039	0.08176	0.07755	0.154697	0.0008	0.36051
-0.09676	0.03659	0.043223	0.35134	0.010047	0.82857	0.022476	0.62806	0.209207
0.213646	3.19E-06	0.333774	1.29E-13	0.297498	5.35E-11	0.28935	1.85E-10	0.424266
0.083985	0.06979	0.233264	3.44E-07	0.075192	0.10462	0.210179	4.63E-06	0.148026
-0.1161	0.01205	-0.14369	0.00185	-0.2257	8.30E-07	0.040709	0.38009	0.242174
-0.08262	0.07448	0.018572	0.68893	-0.03519	0.44805	0.028981	0.53214	0.23213
-0.01579	0.73357	0.097563	0.03505	-0.00666	0.88589	0.067621	0.14455	0.19659
-0.09614	0.03781	-0.00424	0.92724	-0.06641	0.1519	0.030871	0.50574	0.216069
-0.15665	0.00068	-0.05253	0.25721	-0.08225	0.07578	-0.02741	0.55458	0.194826
0.112024	0.01544	0.093005	0.04456	-0.06845	0.13968	0.129018	0.00523	0.192927
-0.14897	0.00124	-0.10188	0.0277	-0.15427	0.00082	-0.07182	0.12117	-0.04025
-0.1256	0.00657	-0.02404	0.60425	-0.12128	0.0087	0.059868	0.19655	0.216625
0.12318	0.0077	0.048131	0.2993	0.045898	0.32231	0.08516	0.06595	0.12313
0.107206	0.02049	0.015384	0.74021	0.11708	0.01134	-0.1013	0.0286	-0.30989
0.063563	0.17028	0.104865	0.02343	0.044584	0.33637	-0.08665	0.06134	-0.02731
0.19866	1.53E-05	0.16762	0.00027	0.096618	0.03687	0.254283	2.51E-08	0.371035
0.150447	0.00111	0.079566	0.08588	-0.0209	0.65239	0.204503	8.40E-06	0.464794
-0.04275	0.35659	0.051474	0.26695	0.031934	0.49119	0.060954	0.18853	0.189464
-0.0551	0.23468	-0.08105	0.08015	-0.11221	0.01526	-0.04118	0.37457	0.09463
-0.28343	4.46E-10	-0.23828	1.88E-07	-0.26416	6.77E-09	-0.01943	0.67529	0.197528
0.150344	0.00112	0.496727	1.82E-30	0.327379	3.97E-13	0.294403	8.62E-11	0.455887
-0.08048	0.08233	0.062204	0.17962	-0.04675	0.31343	0.096714	0.03668	0.308583
-0.00255	0.95621	0.007283	0.87527	-0.01796	0.69862	-0.04425	0.33997	0.047922
0.053356	0.24983	0.199983	1.34E-05	0.06859	0.13887	0.133543	0.00384	0.395114
-0.11526	0.01269	0.094339	0.04157	0.099903	0.03089	-0.00232	0.96012	0.070057
-0.18584	5.33E-05	-0.05703	0.21868	-0.11925	0.0099	-0.02678	0.56371	0.182797
-0.17107	0.0002	0.014246	0.75881	-0.04403	0.34242	0.003441	0.94088	0.194364
-0.2069	6.54E-06	-0.11181	0.01563	-0.4292	2.36E-22	0.096461	0.03718	0.241458
0.181929	7.68E-05	0.447231	2.40E-24	0.305736	1.46E-11	0.260683	1.08E-08	0.474839
0.134371	0.00362	0.114445	0.01334	0.059649	0.19819	0.082212	0.07592	0.142918
-0.12555	0.0066	0.043364	0.34978	-0.00454	0.92206	0.031506	0.49702	0.243905
0.164608	0.00035	0.200952	1.21E-05	0.150271	0.00113	0.201972	1.09E-05	0.436553
-0.1502	0.00113	-0.06741	0.14582	-0.09339	0.04369	-0.01458	0.75339	0.152437
0.196013	1.99E-05	0.213926	3.09E-06	0.060362	0.19287	0.317382	2.18E-12	0.603914
-0.06934	0.13462	0.085762	0.06406	0.011098	0.81096	0.055289	0.23306	0.246035
0.506766	7.78E-32	0.467999	8.57E-27	0.324036	7.06E-13	0.357255	1.67E-15	0.468767
0.15219	0.00097	0.228593	5.95E-07	0.102741	0.02641	0.268807	3.58E-09	0.377107
0.202472	1.04E-05	0.461707	4.92E-26	0.351686	4.83E-15	0.309369	8.14E-12	0.497005
-0.17665	0.00012	-0.10482	0.0235	-0.14244	0.00203	-0.11099	0.01642	-0.00729
-0.27803	9.77E-10	-0.12564	0.00655	-0.23115	4.41E-07	-0.13928	0.00256	0.046918
-0.14934	0.00121	-0.1684	0.00026	-0.16027	0.00051	-0.12773	0.00571	-0.04612
-0.03406	0.46283	0.090894	0.04964	-0.08677	0.06098	0.264162	6.77E-09	0.458324
-0.17647	0.00013	0.058698	0.20546	-0.02952	0.52459	-0.00178	0.96942	0.235414

-0.03573	0.44105	0.186045	5.23E-05	0.058316	0.20842	0.216401	2.36E-06	0.395956
0.066657	0.15038	0.210779	4.34E-06	0.082493	0.07492	0.172193	0.00018	0.367418
0.135862	0.00326	0.373742	6.28E-17	0.166821	0.00029	0.272036	2.29E-09	0.544964
-0.04133	0.37281	0.272903	2.02E-09	0.180058	9.13E-05	0.086292	0.06242	0.232206
-0.38864	2.75E-18	-0.30891	8.77E-12	-0.40325	1.09E-19	-0.28494	3.58E-10	-0.09119
0.122355	0.00812	0.212408	3.64E-06	-0.07172	0.12168	0.224753	9.25E-07	0.449511
0.11635	0.01186	0.41378	9.65E-21	0.309567	7.89E-12	0.148586	0.00128	0.366758
-0.09999	0.03074	0.038295	0.409	-0.04634	0.31767	0.022424	0.62885	0.240932
-0.1556	0.00074	0.015912	0.73163	-0.05439	0.24074	0.017533	0.7055	0.196911
0.126069	0.00637	0.412291	1.37E-20	0.286243	2.95E-10	0.166396	0.0003	0.390657
-0.0396	0.39317	0.026838	0.5629	0.001908	0.9672	0.015916	0.73157	0.228416
-0.17386	0.00016	-0.08369	0.07078	-0.12919	0.00517	-0.01557	0.73724	0.179106
-0.30897	8.69E-12	-0.12129	0.0087	-0.17622	0.00013	-0.14599	0.00156	0.026894
-0.15977	0.00053	0.044866	0.33331	0.019257	0.67809	0.011506	0.80414	0.257625
0.022941	0.62096	0.202306	1.05E-05	0.110693	0.01671	0.117431	0.01109	0.346735
0.070254	0.12952	0.195753	2.04E-05	0.118165	0.0106	0.039823	0.39055	0.132839
-0.15372	0.00086	-0.02473	0.59404	-0.15851	0.00059	-0.02486	0.59209	0.062355
-0.04012	0.38697	0.081414	0.07882	-0.06204	0.18076	0.033911	0.46474	0.103829
-0.23264	3.70E-07	-0.09213	0.04661	-0.17105	0.0002	-0.05838	0.20789	0.153516
-0.01062	0.81903	0.232976	3.55E-07	0.123496	0.00754	0.100517	0.02987	0.204873
0.208803	5.35E-06	0.102471	0.02681	0.102644	0.02655	0.096382	0.03733	0.140654
0.313129	4.41E-12	0.150018	0.00115	0.238518	1.83E-07	0.234631	2.92E-07	0.344372
0.084725	0.06736	0.229844	5.14E-07	0.159305	0.00055	0.043512	0.34813	0.132546
-0.15057	0.0011	-0.05617	0.22571	-0.18058	8.70E-05	0.061068	0.18771	0.259199
-0.08752	0.05878	0.066876	0.14904	0.004659	0.92002	-0.04665	0.31444	0.198213
-0.07154	0.12264	0.042771	0.35641	-0.02369	0.60961	0.013437	0.77211	0.114462
-0.02857	0.53792	0.004599	0.92104	0.011048	0.81179	0.016406	0.72362	0.30652
0.082124	0.07624	0.034811	0.45296	0.019033	0.68162	0.139499	0.00252	0.266952
-0.13679	0.00306	-0.23472	2.89E-07	-0.22316	1.11E-06	-0.00397	0.9319	0.151011
0.137893	0.00282	0.195245	2.15E-05	-0.02082	0.65366	0.232272	3.86E-07	0.356539
-0.21381	3.13E-06	-0.12519	0.00675	-0.17739	0.00012	-0.01117	0.80968	0.120487
0.019971	0.66686	0.050746	0.27378	0.011378	0.80627	0.154223	0.00083	0.303905
0.14561	0.0016	-0.1646	0.00035	-0.0494	0.28677	-0.12058	0.0091	-0.39207
-0.08806	0.05723	-0.072	0.12025	0.060344	0.19301	-0.09961	0.03138	0.007384
-0.08073	0.08137	0.106878	0.02088	0.025245	0.58632	0.097407	0.03535	0.299023
-0.14877	0.00126	0.013865	0.76507	-0.03424	0.46045	0.049417	0.28656	0.268517
0.171411	0.0002	0.117679	0.01092	0.133617	0.00382	0.165999	0.00031	0.281589
0.116974	0.01141	0.412938	1.18E-20	0.366861	2.52E-16	0.125604	0.00657	0.33915
0.016421	0.72339	-0.00525	0.90992	-0.00258	0.95558	0.323762	7.40E-13	0.341371
0.155635	0.00074	0.320256	1.34E-12	0.107421	0.02024	0.185651	5.43E-05	0.309408
0.008244	0.85898	0.042776	0.35635	0.017684	0.70308	0.116875	0.01149	0.169057
0.256014	2.01E-08	0.266206	5.12E-09	0.199569	1.39E-05	0.271325	2.52E-09	0.569675
-0.17511	0.00014	0.004692	0.91946	-0.06014	0.19448	-0.11045	0.01695	0.120295
-0.05364	0.24727	-0.02045	0.65931	-0.07621	0.09999	0.125903	0.00644	0.163093
-0.09989	0.03091	-0.02463	0.59545	-0.07202	0.12012	0.004195	0.92796	0.023621

0.091966	0.047	0.22091	1.43E-06	0.193849	2.47E-05	0.028635	0.53705	-0.04801
0.37848	2.36E-17	0.389434	2.32E-18	0.225519	8.48E-07	0.261473	9.73E-09	0.26016
0.336688	7.68E-14	0.327257	4.05E-13	0.193814	2.47E-05	0.301066	3.07E-11	0.342573
0.253666	2.72E-08	0.519434	1.25E-33	0.246185	7.08E-08	0.367132	2.39E-16	0.543036
-0.10749	0.02016	-0.22144	1.35E-06	-0.18256	7.25E-05	-0.11358	0.01405	-0.32344
0.166894	0.00029	0.289748	1.75E-10	0.149885	0.00116	0.261569	9.60E-09	0.542188
-0.05007	0.28026	0.129873	0.00494	0.083066	0.07292	0.005837	0.89989	0.086781
0.002407	0.95863	0.132674	0.00408	-0.16203	0.00044	0.097904	0.03442	0.311045
-0.01215	0.79336	0.172288	0.00018	0.116646	0.01165	0.068127	0.14156	0.337775
0.167853	0.00027	0.257477	1.66E-08	-0.13513	0.00344	0.301998	2.65E-11	0.433188
0.004876	0.91631	0.209291	5.08E-06	0.104399	0.02406	0.151023	0.00106	0.382026
-0.14404	0.0018	-0.04766	0.30411	-0.1407	0.00231	0.0394	0.39561	0.235265
-0.03121	0.50101	0.064328	0.16518	0.053574	0.2479	0.035955	0.43825	0.196355
-0.05556	0.23081	0.064929	0.16126	0.00502	0.91385	0.035642	0.44224	0.204368
-0.02777	0.54939	0.091149	0.049	-0.0584	0.20779	0.042624	0.35807	0.321586
0.116604	0.01168	0.383827	7.69E-18	0.346468	1.29E-14	0.167089	0.00029	0.350808
-0.08729	0.05944	0.063464	0.17094	-0.01698	0.7144	0.050156	0.27941	0.272594
-0.01309	0.77791	0.241293	1.30E-07	0.100739	0.0295	0.148999	0.00124	0.322258
0.018282	0.69355	0.137339	0.00294	0.128392	0.00546	0.101157	0.02883	0.278007
0.040127	0.38695	0.380214	1.65E-17	0.231654	4.16E-07	0.18029	8.94E-05	0.421137
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-0.14074	0.0023	-0.00302	0.94805	-0.03395	0.46419	0.023183	0.61728	0.215027
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0.090913	0.04959	0.200849	1.22E-05	0.133984	0.00372	0.040785	0.37919	0.227288
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-0.02394	0.60581	0.011277	0.80797	0.029273	0.52802	0.052466	0.25783	0.183102
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-0.08718	0.05977	-0.01923	0.67847	-0.04973	0.28348	-0.06101	0.18811	0.121412
0.118945	0.01009	0.299228	4.09E-11	0.207448	6.18E-06	0.200486	1.27E-05	0.251129
0.125329	0.00669	-0.03989	0.3898	0.14353	0.00187	0.059427	0.19987	0.02462
0.107968	0.01961	0.082221	0.07589	0.162065	0.00044	0.06806	0.14195	0.268936
-0.06741	0.14581	0.072921	0.11555	0.030725	0.50775	-0.00176	0.96978	0.121838
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0.106086	0.02186	0.169709	0.00023	0.160197	0.00051	0.052036	0.26175	0.149784
0.043377	0.34963	0.283768	4.25E-10	0.298709	4.43E-11	0.112336	0.01515	0.237487
0.140439	0.00235	0.126279	0.00628	0.018092	0.69657	0.189327	3.83E-05	0.30919
0.147872	0.00135	0.485231	5.90E-29	0.318244	1.88E-12	0.243647	9.73E-08	0.427471
-0.08113	0.07985	0.004236	0.92725	0.01378	0.76646	-0.00059	0.98994	0.11312
0.377083	3.16E-17	0.395834	5.73E-19	0.428356	2.91E-22	0.215836	2.51E-06	0.452688
0.160192	0.00051	0.330502	2.30E-13	0.041925	0.36601	0.306136	1.37E-11	0.390904
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0.027497	0.55336	-0.04464	0.33581	-0.05453	0.23957	0.14431	0.00177	-0.01671
-0.09409	0.04212	0.123928	0.00733	0.042852	0.35549	0.026288	0.57094	0.273984
0.266204	5.13E-09	0.430676	1.64E-22	0.435525	4.87E-23	0.248971	4.98E-08	0.402046
0.167099	0.00029	0.32188	1.02E-12	0.231425	4.27E-07	0.260669	1.08E-08	0.2907

0.174292	0.00015	0.220295	1.53E-06	0.232359	3.82E-07	0.145794	0.00158	0.16109
0.06259	0.17693	0.230537	4.74E-07	0.180109	9.09E-05	0.173756	0.00016	0.192463
-0.11907	0.01001	0.051521	0.26651	-0.00131	0.97747	0.034961	0.45102	0.056211
0.161443	0.00046	0.136284	0.00317	0.183216	6.82E-05	0.139233	0.00257	0.37791
0.055577	0.23063	-0.00148	0.97452	0.064646	0.1631	0.037301	0.42128	0.279467
0.062829	0.17527	0.301652	2.80E-11	0.233575	3.31E-07	0.274181	1.69E-09	0.312961
-0.0908	0.04989	0.234525	2.96E-07	0.113378	0.01423	0.068713	0.13816	0.267283
-0.07862	0.08968	0.102337	0.02701	0.000322	0.99446	0.051977	0.2623	0.225178
-0.17963	9.49E-05	0.124185	0.00721	0.026373	0.56969	-0.12101	0.00885	-0.00568
0.04186	0.36676	0.075466	0.10336	-0.12353	0.00753	0.072429	0.11804	0.058782
-0.35883	1.23E-15	-0.44178	9.89E-24	-0.42963	2.12E-22	-0.1968	1.84E-05	-0.08709
-0.15143	0.00103	-0.05433	0.24128	-0.19008	3.56E-05	0.005556	0.90469	0.014072
-0.11781	0.01084	0.068085	0.14181	-0.00123	0.9789	0.058304	0.20852	0.299659
-0.00392	0.93263	-0.07207	0.11988	-0.01222	0.7923	0.124052	0.00728	0.147482
0.028471	0.53939	0.13856	0.00269	0.088361	0.05638	0.119413	0.0098	0.284845
-0.0214	0.64465	0.027405	0.55468	0.032464	0.48402	-0.06962	0.13304	0.131425
-0.03233	0.4858	0.115152	0.01277	0.090171	0.05149	0.057382	0.21582	0.054877
0.032263	0.48672	0.173231	0.00017	0.142678	0.002	0.043731	0.34571	0.252285
-0.048	0.30064	-0.03916	0.39847	0.010146	0.8269	-0.04275	0.35663	-0.08466
-0.13528	0.0034	-0.04711	0.30964	-0.16956	0.00023	-0.05577	0.22899	-0.0364
0.37	1.34E-16	0.538175	2.02E-36	0.48426	7.87E-29	0.354111	3.05E-15	0.43656
-0.06171	0.18312	0.06661	0.15066	0.021703	0.63993	-0.02041	0.65994	0.077809
-0.07027	0.12942	0.07465	0.10715	0.027414	0.55456	0.007799	0.86651	0.129136
-0.02213	0.63341	0.025082	0.58875	-0.02037	0.66054	0.093812	0.04273	0.121258
-0.10551	0.02259	-0.31245	4.93E-12	-0.27141	2.49E-09	-0.1551	0.00077	-0.21797
-0.14283	0.00197	0.239442	1.63E-07	0.197629	1.69E-05	0.072029	0.12009	0.211415
0.089278	0.05386	-0.06287	0.175	-0.06634	0.15236	0.090979	0.04943	0.239494
0.031686	0.49455	0.139385	0.00254	0.035198	0.44795	0.135883	0.00326	0.375008
0.000648	0.98885	0.004174	0.92832	0.073363	0.11336	0.039123	0.39894	0.091957
-0.21902	1.77E-06	-0.13366	0.00381	-0.13791	0.00282	0.039113	0.39906	0.193629
-0.11352	0.01411	0.113258	0.01433	0.075294	0.10415	0.100978	0.02912	0.270901
-0.04449	0.33738	0.048678	0.29384	0.07129	0.12395	0.091213	0.04884	0.263112
0.095772	0.03856	0.131606	0.00439	0.179339	9.75E-05	0.074019	0.11016	0.281003
-0.0063	0.89208	0.107578	0.02006	0.195027	2.19E-05	0.059848	0.1967	0.214761
0.051645	0.26536	0.328966	3.01E-13	0.288382	2.14E-10	0.143516	0.00188	0.386034
0.109628	0.01779	0.332557	1.60E-13	0.298002	4.95E-11	0.196323	1.93E-05	0.363084
0.117759	0.01087	0.308916	8.76E-12	0.160703	0.00049	0.268667	3.65E-09	0.394712
-0.12722	0.0059	0.109664	0.01776	-0.00125	0.97847	-0.13256	0.00411	0.023188
0.000528	0.99092	0.041091	0.37563	0.039711	0.39189	0.028056	0.54532	0.115887
-0.17858	0.0001	-0.20941	5.02E-06	-0.27486	1.54E-09	0.001191	0.97953	0.254542
0.213917	3.09E-06	0.264547	6.42E-09	0.216846	2.25E-06	0.20888	5.31E-06	0.376581
0.006566	0.88746	0.102429	0.02687	0.075417	0.10358	0.042801	0.35607	0.076995
0.189023	3.94E-05	0.041895	0.36635	0.02481	0.59279	0.237014	2.19E-07	0.225354
0.135446	0.00336	0.389579	2.25E-18	0.359133	1.16E-15	0.218765	1.82E-06	0.415569
0.141052	0.00225	0.17476	0.00015	0.147966	0.00134	-0.08095	0.08056	0.205356

0.041792	0.36753	0.262944	7.98E-09	0.252233	3.28E-08	0.151332	0.00104	0.312143
0.044478	0.33752	0.170075	0.00022	0.068788	0.13773	0.106859	0.02091	0.289928
-0.39357	9.42E-19	-0.28162	5.82E-10	-0.31915	1.62E-12	-0.14404	0.0018	0.01414
-0.01319	0.77617	0.114897	0.01297	0.098493	0.03334	0.092749	0.04515	0.179162
-0.21596	2.47E-06	-0.21282	3.49E-06	-0.20975	4.84E-06	-0.1054	0.02273	0.096629
-0.28634	2.91E-10	-0.29025	1.62E-10	-0.35062	5.91E-15	-0.0588	0.20465	0.168353
0.01698	0.71437	0.167127	0.00029	0.153663	0.00086	0.013415	0.77248	0.174657
-0.20056	1.26E-05	-0.14442	0.00175	-0.08235	0.07541	-0.13105	0.00456	-0.03564
-0.14972	0.00117	0.053641	0.24731	-0.0222	0.63221	0.00208	0.96425	0.216376
-0.07412	0.10969	-0.03778	0.41537	0.00519	0.91094	0.009648	0.83527	0.139286
-0.14014	0.0024	0.04554	0.3261	-0.04294	0.35456	0.054738	0.23776	0.288536
-0.11508	0.01283	-0.09304	0.04448	-0.16056	0.0005	0.012399	0.78929	0.143582
0.03922	0.39778	0.190256	3.50E-05	0.145233	0.00165	0.130882	0.00461	0.331364
0.149753	0.00117	0.33755	6.57E-14	0.30462	1.75E-11	0.244454	8.80E-08	0.434355
-0.04565	0.3249	0.181385	8.08E-05	0.069243	0.13514	0.130134	0.00485	0.352643
-0.00279	0.952	0.074942	0.10578	0.088314	0.05651	0.031767	0.49345	0.090395
0.012678	0.78465	0.144282	0.00177	0.139729	0.00248	0.112087	0.01538	0.330736
0.090762	0.04998	0.292719	1.11E-10	0.265882	5.36E-09	0.162174	0.00043	0.420582
0.021558	0.64216	0.270957	2.66E-09	0.192352	2.85E-05	0.148162	0.00132	0.365646
0.15415	0.00083	0.410708	1.98E-20	0.40528	6.89E-20	0.203954	8.89E-06	0.398755
0.010935	0.81367	0.149	0.00124	0.102159	0.02728	0.142244	0.00206	0.341262
-0.13307	0.00397	0.029296	0.52769	-0.02385	0.60723	0.022787	0.6233	0.237124
-0.11208	0.01539	0.046332	0.31775	-0.00771	0.86795	0.0313	0.49983	0.221193
0.131679	0.00437	0.209004	5.24E-06	0.180664	8.63E-05	0.100261	0.03029	0.396607
-0.07203	0.12006	0.022775	0.62349	-0.04323	0.3513	-0.01926	0.6781	0.296651
0.179453	9.65E-05	0.377968	2.63E-17	0.208715	5.40E-06	0.251686	3.52E-08	0.591555
0.378351	2.43E-17	0.534302	7.88E-36	0.401969	1.46E-19	0.388809	2.65E-18	0.582697
0.04665	0.31444	-0.11125	0.01617	-0.1834	6.70E-05	0.052212	0.26014	0.192227
-0.1513	0.00104	-0.09839	0.03352	-0.127	0.00599	-0.10212	0.02734	0.03549
-0.14318	0.00192	-0.02984	0.52007	-0.08808	0.05716	-0.06833	0.14035	-0.01058
-0.17353	0.00016	-0.34067	3.74E-14	-0.3957	5.90E-19	-0.02518	0.58731	0.006248
0.091165	0.04896	0.14849	0.00129	0.063208	0.17268	0.143431	0.00189	0.157091
-0.08149	0.07855	0.029513	0.52464	-0.04105	0.37613	0.041056	0.37603	0.232045
-0.11578	0.01229	-0.02971	0.52188	-0.05592	0.22776	0.009129	0.84402	0.207808
-0.32543	5.56E-13	-0.07703	0.0964	-0.06855	0.13907	-0.11028	0.01713	-0.03507
0.011967	0.79646	0.228316	6.14E-07	0.14691	0.00145	0.130535	0.00472	0.383581
-0.09401	0.0423	0.043528	0.34795	0.080086	0.08384	0.03315	0.47483	0.174971
-0.06384	0.16843	0.017624	0.70405	0.084164	0.06919	-0.03851	0.40642	0.04668
-0.05668	0.22151	0.073879	0.11084	0.079615	0.08569	0.032806	0.47942	0.119024
-0.05481	0.23715	-0.06403	0.16715	0.059748	0.19744	-0.07456	0.10759	-0.02477
0.218921	1.79E-06	0.037205	0.42248	0.022231	0.6318	0.205177	7.83E-06	0.23878
0.010947	0.81347	0.136759	0.00306	0.236029	2.47E-07	-0.0244	0.59893	0.14868
0.293539	9.83E-11	0.523914	2.80E-34	0.348741	8.42E-15	0.283532	4.40E-10	0.501856
0.041441	0.37157	0.109097	0.01836	0.143202	0.00192	0.040033	0.38806	0.042506
-0.06238	0.17836	0.071343	0.12366	-0.02731	0.55601	0.09107	0.0492	0.26112

-0.06977	0.1322	0.049178	0.2889	-0.07549	0.10326	0.029842	0.52003	0.225178
0.29928	4.05E-11	0.597356	1.68E-46	0.541564	6.03E-37	0.258504	1.44E-08	0.391754
0.3733	6.87E-17	0.574972	1.90E-42	0.221134	1.39E-06	0.35647	1.94E-15	0.596376
0.04368	0.34627	-0.18312	6.88E-05	-0.34526	1.61E-14	0.159147	0.00056	0.099815
-0.11967	0.00964	0.071139	0.12475	-0.06852	0.13929	0.079878	0.08465	0.302824
-0.12696	0.00601	-0.24462	8.62E-08	-0.31082	6.43E-12	0.128845	0.00529	0.240621
0.204697	8.23E-06	0.412408	1.33E-20	0.317604	2.10E-12	0.271166	2.58E-09	0.394452
-0.01196	0.79662	0.132082	0.00425	-0.11047	0.01693	0.136226	0.00318	0.383492
0.227471	6.77E-07	0.395902	5.65E-19	0.339027	5.04E-14	0.158029	0.00061	0.298703
-0.03767	0.41666	0.242682	1.10E-07	0.152386	0.00095	0.089325	0.05373	0.223743
0.314366	3.59E-12	0.498173	1.16E-30	0.301648	2.80E-11	0.307055	1.18E-11	0.534672
-0.04754	0.30523	-0.15983	0.00053	-0.08342	0.07169	0.082163	0.0761	-0.01107
-0.24883	5.07E-08	0.027368	0.55522	-0.12334	0.00762	-0.08086	0.08087	0.096199
-0.08777	0.05804	-0.00147	0.97467	-0.1407	0.00231	0.070022	0.13079	0.151571
0.03303	0.47642	0.287509	2.44E-10	0.234073	3.12E-07	0.153448	0.00088	0.31773
0.012627	0.7855	-0.04283	0.35574	0.008062	0.86206	0.171297	0.0002	0.136977
-0.07285	0.11591	0.131468	0.00443	0.032573	0.48255	0.095303	0.03952	0.251644
0.002094	0.96401	0.215926	2.48E-06	0.075965	0.10109	0.149005	0.00124	0.394611
0.214509	2.90E-06	0.21799	1.98E-06	0.055737	0.22929	0.228227	6.20E-07	0.422337
-0.13989	0.00245	0.00294	0.94948	-0.01826	0.69392	-0.00715	0.87757	0.178116
0.021692	0.6401	0.225544	8.45E-07	0.080157	0.08357	0.071538	0.12264	0.311006
0.087497	0.05884	0.30176	2.75E-11	0.240613	1.42E-07	0.154139	0.00083	0.367661
0.054165	0.24271	0.199113	1.46E-05	0.096337	0.03742	0.143871	0.00183	0.330081
0.012494	0.78771	0.260704	1.08E-08	0.131351	0.00447	0.110694	0.01671	0.312145
0.18203	7.61E-05	0.368979	1.65E-16	0.257445	1.66E-08	0.109358	0.01808	0.389142
0.060404	0.19256	0.008661	0.85192	-0.00168	0.97104	0.140091	0.00241	0.307481
-0.21429	2.97E-06	-0.17799	0.00011	-0.33652	7.91E-14	-0.24421	9.08E-08	-0.07743
0.199918	1.34E-05	0.062467	0.17778	-0.01625	0.72618	0.206252	7.00E-06	0.296095
0.021603	0.64146	0.236983	2.20E-07	0.159646	0.00053	0.05273	0.25544	0.143924
-0.00547	0.90621	0.067896	0.14292	-0.02349	0.61264	0.39944	2.57E-19	0.360202
-0.43777	2.76E-23	-0.3017	2.78E-11	-0.45743	1.58E-25	-0.15479	0.00079	-0.04489
-0.02822	0.54295	0.121404	0.00863	0.003184	0.94529	0.131762	0.00434	0.34831
0.076331	0.09945	0.166745	0.0003	0.165155	0.00034	0.126795	0.00607	0.300739
0.260626	1.09E-08	0.292161	1.21E-10	0.216417	2.35E-06	0.219897	1.60E-06	0.504174
-0.08226	0.07576	0.182618	7.21E-05	0.161698	0.00045	0.076126	0.10037	0.26692
0.224518	9.51E-07	0.296026	6.72E-11	0.260893	1.05E-08	0.126323	0.00627	0.173724
-0.16017	0.00051	-0.02861	0.53746	-0.2221	1.25E-06	0.139845	0.00245	0.253898
-0.01246	0.78822	0.16596	0.00032	0.085749	0.0641	0.168901	0.00025	0.428222
0.032122	0.48864	0.008636	0.85234	-0.05081	0.27322	-0.07841	0.09056	0.067344
-0.25655	1.87E-08	-0.04251	0.35933	-0.1053	0.02286	-0.12589	0.00645	-0.03082
0.022319	0.63046	0.09635	0.0374	0.104836	0.02347	-0.2049	8.07E-06	-0.00362
0.130201	0.00483	-0.12447	0.00708	-0.11343	0.01418	0.0129	0.78098	-0.13385
0.217387	2.12E-06	0.11526	0.01269	0.112149	0.01532	0.134717	0.00354	0.01583
-0.04031	0.38479	-0.04714	0.3094	-0.09472	0.04075	0.113125	0.01445	0.273514
-0.11267	0.01485	-0.09491	0.04036	0.030922	0.50502	-0.13179	0.00433	-0.16414

-0.20259	1.02E-05	-0.17001	0.00022	-0.22671	7.39E-07	-0.22266	1.17E-06	-0.11947
0.303625	2.05E-11	0.377855	2.69E-17	0.105904	0.02208	0.239958	1.53E-07	0.482575
-0.03853	0.40611	0.006458	0.8893	0.00379	0.9349	0.023784	0.60818	-0.07026
0.107308	0.02037	0.10443	0.02402	0.164839	0.00035	0.121534	0.00856	0.254801
-0.0446	0.3362	0.138778	0.00265	-0.20805	5.80E-06	0.120359	0.00923	0.219744
0.002021	0.96526	0.16001	0.00052	0.098064	0.03412	0.094134	0.04202	0.357025
-0.1353	0.00339	0.014159	0.76024	-0.03417	0.46128	0.081265	0.07937	0.315837
0.018321	0.69292	0.218486	1.87E-06	0.078467	0.09031	0.174937	0.00014	0.287725
0.107278	0.02041	0.298682	4.45E-11	0.245735	7.50E-08	0.208874	5.31E-06	0.411374
0.096904	0.03631	0.17732	0.00012	0.180379	8.86E-05	0.101183	0.02879	0.178041
0.035837	0.43975	0.208154	5.73E-06	0.106056	0.02189	0.175204	0.00014	0.403514
0.181584	7.93E-05	0.248786	5.10E-08	0.152122	0.00097	0.230781	4.60E-07	0.277715
0.349269	7.62E-15	0.471082	3.59E-27	0.31577	2.85E-12	0.26972	3.16E-09	0.370598
0.128804	0.00531	0.093658	0.04307	0.108308	0.01922	0.067542	0.14502	0.064943
-0.13714	0.00298	0.00839	0.85651	-0.08759	0.05857	0.043256	0.35097	0.273143
-0.24549	7.73E-08	-0.1162	0.01198	-0.13357	0.00383	-0.06806	0.14198	0.041677
0.20304	9.77E-06	0.163246	0.0004	0.001146	0.98029	0.249965	4.39E-08	0.544669
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0.343468	2.24E-14	0.660405	7.86E-60	0.560708	5.07E-40	0.202006	1.09E-05	0.376745
-0.08856	0.05581	-0.16427	0.00036	-0.13887	0.00263	-0.12926	0.00515	-0.03611
-0.13013	0.00486	-0.02446	0.59795	-0.11529	0.01266	-0.01309	0.77783	0.106408
0.13255	0.00411	0.236341	2.38E-07	0.231731	4.12E-07	0.105176	0.02302	0.090101
-0.20514	7.86E-06	-0.05142	0.26748	-0.1267	0.00611	0.003712	0.93624	0.18513
-0.31888	1.69E-12	-0.0668	0.1495	-0.11884	0.01016	-0.11837	0.01046	0.008302
0.442721	7.76E-24	0.495234	2.87E-30	0.228798	5.81E-07	0.423755	8.94E-22	0.645043
-0.03515	0.44861	0.142433	0.00203	0.050339	0.27766	0.14037	0.00236	0.387636
0.227112	7.06E-07	0.372788	7.63E-17	0.308413	9.51E-12	0.186082	5.21E-05	0.385282
0.161902	0.00044	-0.0599	0.19629	0.050796	0.27331	0.074665	0.10708	-0.17542
0.169692	0.00023	0.33982	4.36E-14	0.317831	2.02E-12	0.131186	0.00452	0.311949
-0.15344	0.00088	0.078131	0.0917	-0.1162	0.01197	0.074115	0.1097	0.158896
-0.01073	0.81709	-0.11191	0.01554	-0.21658	2.31E-06	0.005813	0.90031	0.013241
-0.01197	0.79647	0.23226	3.87E-07	0.078543	0.09	0.156881	0.00067	0.431748
-0.06221	0.17957	0.08993	0.05212	-0.01599	0.7304	0.055793	0.22882	0.385053
-0.04554	0.32605	0.110735	0.01667	-0.02578	0.57847	0.094604	0.041	0.333601
-0.02213	0.63343	-0.02894	0.53274	-0.00026	0.99551	-0.02301	0.61987	-0.04902
7.30E-05	0.99875	0.013015	0.77908	-0.08718	0.05977	0.31	7.35E-12	0.119202
0.123211	0.00768	0.124396	0.00711	0.155582	0.00074	0.293661	9.65E-11	0.094068
-0.1264	0.00623	0.01286	0.78165	-0.06176	0.18278	0.053501	0.24854	0.276852
0.256316	1.93E-08	0.359159	1.15E-15	0.093332	0.04381	0.287499	2.45E-10	0.471157
-0.10418	0.02435	0.065421	0.1581	-0.03836	0.40817	0.059546	0.19897	0.299295
0.293045	1.06E-10	0.546962	8.57E-38	0.527892	7.23E-35	0.314383	3.58E-12	0.432374
0.252761	3.06E-08	0.432794	9.67E-23	0.370932	1.11E-16	0.138394	0.00273	0.217228
0.064686	0.16284	0.143452	0.00188	0.056657	0.22168	0.098027	0.03419	0.215864
0.052815	0.25467	0.021708	0.63985	-0.12133	0.00867	0.444181	5.32E-24	0.393985
0.287481	2.45E-10	0.338333	5.71E-14	0.251815	3.46E-08	0.283643	4.33E-10	0.510318



-0.11521	0.01273	0.011307	0.80746	-0.04489	0.3331	0.064584	0.16351	0.08301
0.103494	0.02532	-0.28195	5.54E-10	-0.16749	0.00028	-0.04342	0.34918	-0.07274
-0.14884	0.00126	-0.15387	0.00085	-0.05295	0.2535	-0.13588	0.00326	0.040896
0.121456	0.0086	0.171213	0.0002	0.279196	8.26E-10	0.082273	0.0757	0.203321
-0.08184	0.07726	-0.06896	0.13677	-0.02807	0.54513	-0.0845	0.0681	-0.00731
0.003297	0.94336	0.114087	0.01363	0.081734	0.07765	0.080727	0.08139	0.222425
0.100565	0.02979	0.397819	3.69E-19	0.149785	0.00117	0.218052	1.97E-06	0.373896
0.083384	0.07182	0.128921	0.00527	0.052693	0.25577	0.191094	3.23E-05	0.313878
0.012295	0.79102	0.159994	0.00052	0.100032	0.03067	0.079097	0.08775	0.327329
-0.20127	1.17E-05	0.007486	0.87182	-0.1201	0.00938	0.056486	0.22308	0.125575
0.150701	0.00109	0.272284	2.21E-09	0.320085	1.38E-12	0.10235	0.02699	0.135845
-0.05806	0.21045	0.04936	0.28711	0.029932	0.51876	-0.00479	0.91781	0.099319
0.370915	1.12E-16	0.430134	1.87E-22	0.498479	1.06E-30	0.301341	2.94E-11	0.453014
0.059415	0.19996	0.301054	3.07E-11	0.266535	4.90E-09	0.18328	6.78E-05	0.262682
0.097625	0.03494	0.392912	1.09E-18	0.246859	6.51E-08	0.193941	2.44E-05	0.405687
-0.10614	0.02178	0.036597	0.43011	0.050506	0.27606	0.133058	0.00397	0.179162
-0.06478	0.16222	-0.13481	0.00351	-0.0727	0.11666	0.037269	0.42168	-0.06769
0.112751	0.01478	0.054078	0.24347	0.054292	0.24161	0.151619	0.00101	0.243645
-0.14192	0.00211	-0.10208	0.0274	-0.11774	0.01088	-0.05199	0.26215	0.065772
-0.0295	0.52488	-0.05839	0.20783	0.075117	0.10497	-0.10692	0.02083	-0.06185
0.067726	0.14392	0.162929	0.00041	0.110477	0.01692	0.088833	0.05507	0.154198
-0.11592	0.01218	-0.14056	0.00233	-0.15773	0.00062	-0.06386	0.16832	0.18225
-0.0756	0.10276	-0.04272	0.35693	-0.08654	0.06166	0.067907	0.14286	0.096847
0.002541	0.95632	-0.0816	0.07814	-0.1779	0.00011	-0.04536	0.32798	0.043463
0.079089	0.08778	0.199241	1.44E-05	0.184415	6.10E-05	0.19512	2.17E-05	0.387255
0.277752	1.02E-09	0.511044	1.97E-32	0.370078	1.32E-16	0.302551	2.43E-11	0.577481
0.242823	1.08E-07	0.394385	7.89E-19	0.227162	7.02E-07	0.215644	2.56E-06	0.356056
-0.01533	0.74103	-0.00017	0.99711	-0.03929	0.39692	-0.02121	0.64751	-0.15638
0.028928	0.53289	0.06697	0.14847	-0.04839	0.29673	0.123115	0.00773	0.492774
-0.0768	0.09738	-0.13986	0.00245	-0.14742	0.0014	-0.1855	5.50E-05	-0.22528
-0.06699	0.14832	0.065255	0.15916	0.056828	0.22029	-0.00435	0.92539	0.25511
0.274195	1.69E-09	0.492373	6.89E-30	0.365987	3.01E-16	0.194566	2.30E-05	0.396532
0.144671	0.00172	-0.04588	0.32253	0.056683	0.22147	0.047101	0.30977	0.112318
-0.19976	1.37E-05	-0.25356	2.76E-08	-0.16966	0.00023	-0.18906	3.92E-05	-0.16722
-0.103	0.02603	0.015349	0.74077	-0.03294	0.47767	0.076744	0.09763	0.278064
-0.0407	0.3802	-0.02881	0.5345	-0.11059	0.01681	0.097376	0.03541	0.242729
-0.00973	0.83387	0.144808	0.0017	0.138181	0.00277	-0.09538	0.03937	-0.0297
-0.08707	0.06008	0.040951	0.37726	-0.12664	0.00614	0.129559	0.00505	0.263959
0.146382	0.00151	0.032528	0.48315	0.115027	0.01287	0.221671	1.31E-06	0.169145
-0.17577	0.00013	-0.01363	0.76898	-0.06207	0.18059	-0.02193	0.63644	0.183645
0.01018	0.82633	0.13223	0.0042	0.113423	0.01419	0.064908	0.1614	0.147782
0.217374	2.12E-06	0.408348	3.41E-20	0.359471	1.08E-15	0.280825	6.53E-10	0.455888
-0.07551	0.10314	0.040302	0.38487	-0.02517	0.58748	-0.00183	0.96858	0.168545
-0.05749	0.21496	-0.0922	0.04644	-0.07366	0.1119	-0.0409	0.3778	0.041557
0.113482	0.01414	0.202106	1.08E-05	0.209587	4.93E-06	0.067158	0.14732	0.117894

0.291235	1.40E-10	0.332453	1.63E-13	0.178104	0.00011	0.316449	2.54E-12	0.49778
0.259446	1.28E-08	0.28822	2.20E-10	0.052604	0.25658	0.266348	5.02E-09	0.347386
-0.01118	0.80951	0.098353	0.0336	0.032828	0.47913	0.061904	0.18173	0.314942
-0.14552	0.00162	-0.18239	7.36E-05	-0.13703	0.003	-0.11379	0.01388	0.021084
0.102096	0.02737	0.204457	8.44E-06	0.118964	0.01008	0.18084	8.50E-05	0.295201
-0.10882	0.01865	-0.17018	0.00022	-0.24062	1.41E-07	-0.04086	0.37835	0.075321
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-0.28304	4.73E-10	-0.17623	0.00013	-0.12522	0.00674	-0.12788	0.00565	-0.1067
0.126691	0.00612	0.303928	1.95E-11	0.231855	4.06E-07	0.149093	0.00123	0.266422
0.115074	0.01283	0.185135	5.70E-05	0.182026	7.62E-05	0.062288	0.17903	0.156254
0.135503	0.00335	0.277495	1.05E-09	0.239736	1.58E-07	0.106659	0.02115	0.193473
0.110112	0.01729	0.208497	5.53E-06	0.227682	6.61E-07	0.039709	0.39191	0.163919
0.115423	0.01256	0.197464	1.72E-05	0.102999	0.02603	0.078189	0.09146	0.155733
0.133361	0.00389	0.103912	0.02473	-2.29E-05	0.99961	0.236391	2.36E-07	0.49317
0.205371	7.68E-06	0.152908	0.00092	0.169338	0.00024	0.240458	1.44E-07	0.381287
-0.08666	0.06132	-0.00648	0.88889	-0.00329	0.94353	-0.01005	0.82856	0.17912
-0.10798	0.01959	0.05297	0.25328	0.061666	0.18342	-0.1292	0.00517	0.040533
0.025217	0.58674	-0.18529	5.61E-05	-0.03709	0.4239	-0.09105	0.04925	-0.32226
-0.03184	0.4925	0.032262	0.48674	0.029651	0.5227	-0.02541	0.58389	0.003127
0.071369	0.12353	0.36636	2.79E-16	0.262885	8.04E-09	0.0994	0.03174	0.234895
-0.12081	0.00897	0.021704	0.63991	-0.05106	0.27078	-0.01147	0.80477	-0.05804
0.090273	0.05123	-0.08534	0.0654	0.003145	0.94596	0.045597	0.32549	-0.23876
-0.21304	3.40E-06	-0.0123	0.79094	-0.00977	0.8333	-0.05933	0.20061	0.118607
0.10271	0.02645	0.360927	8.16E-16	0.18778	4.44E-05	0.068755	0.13792	0.43914
0.034583	0.45593	0.054673	0.23831	0.04645	0.31652	-0.11621	0.01197	0.077615
-0.00078	0.98664	0.210193	4.62E-06	0.138876	0.00263	0.072191	0.11925	0.216919
-0.01834	0.69264	-0.03378	0.46643	0.038372	0.40806	0.03082	0.50643	-0.06288
-0.10561	0.02246	-0.01146	0.80483	0.003443	0.94085	-0.03379	0.46634	0.145633
0.114181	0.01355	0.107685	0.01993	0.165884	0.00032	0.012271	0.79142	-0.13915
-0.01207	0.79472	0.343202	2.35E-14	0.171462	0.0002	0.158936	0.00057	0.482916
0.041529	0.37055	0.081097	0.08	0.026879	0.56232	0.063388	0.17146	0.122638
-0.08266	0.07434	0.092743	0.04516	-0.00958	0.83644	0.082636	0.07442	0.27326
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0.092319	0.04616	0.351551	4.96E-15	0.346007	1.40E-14	0.178594	0.0001	0.311428
-0.10158	0.02816	-0.03244	0.48438	-0.06117	0.18696	0.018962	0.68276	0.015729
-0.07405	0.11002	-0.00093	0.98407	0.019659	0.67176	-0.097	0.03613	0.15002
0.022734	0.62411	0.074795	0.10647	0.135178	0.00342	-0.04551	0.32645	0.031683
-0.07292	0.11557	0.144542	0.00174	0.15905	0.00056	-0.00059	0.98992	0.09415
-0.16125	0.00047	-0.05909	0.20245	-0.09839	0.03353	0.055452	0.23168	0.137689
-0.09579	0.03853	0.070948	0.12576	0.061515	0.1845	0.101536	0.02823	0.069401
0.288153	2.22E-10	0.41352	1.03E-20	0.326988	4.24E-13	0.335182	1.01E-13	0.439928
-0.09162	0.04783	0.061423	0.18516	-0.01309	0.77781	0.01215	0.79343	0.088251
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0.145043	0.00167	0.176392	0.00013	0.261513	9.68E-09	0.120391	0.00921	0.073455
0.007993	0.86322	0.052249	0.2598	0.056026	0.22688	0.10349	0.02532	0.217606

0.032671	0.48123	-0.07585	0.10162	0.040185	0.38626	-0.03071	0.50801	0.18475
0.060167	0.19432	0.060389	0.19267	0.082103	0.07631	0.226765	7.35E-07	0.336109
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0.050207	0.27891	0.031326	0.49948	0.011649	0.80176	-0.01148	0.80463	0.132154
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-0.03466	0.45494	0.052847	0.25439	0.043364	0.34978	-0.03412	0.46196	0.118821
-0.15184	0.001	-0.08416	0.0692	-0.09054	0.05055	-0.10186	0.02773	0.059943
-0.10478	0.02355	-0.07317	0.1143	-0.07173	0.12161	-0.09443	0.04138	0.098539
-0.09314	0.04424	-0.07048	0.12827	-0.07759	0.094	-0.11611	0.01204	0.061323
-0.08038	0.08271	-0.12884	0.0053	-0.0827	0.0742	-0.12714	0.00593	-0.11086
0.011777	0.79963	-0.03567	0.44193	-0.22711	7.06E-07	0.249331	4.76E-08	0.305932
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0.101411	0.02843	0.249756	4.51E-08	0.130211	0.00483	0.10467	0.02369	0.186577
0.041463	0.37131	0.205549	7.54E-06	0.196703	1.86E-05	0.095116	0.03991	0.269561
0.045123	0.33055	0.428926	2.53E-22	0.261663	9.48E-09	0.181543	7.96E-05	0.355475
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0.04891	0.29153	0.069892	0.13151	0.103158	0.0258	0.000262	0.9955	0.173051
-0.04462	0.33599	0.053805	0.24586	0.053179	0.2514	-0.05617	0.22565	0.124288
0.079035	0.088	-0.05875	0.20504	-0.15971	0.00053	0.064109	0.16663	0.136282
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0.043825	0.34467	0.128187	0.00553	0.015826	0.73302	0.075801	0.10183	0.170124
0.396453	5.00E-19	0.350137	6.48E-15	0.186834	4.85E-05	0.192846	2.72E-05	0.289698
0.26908	3.45E-09	0.456462	2.06E-25	0.115297	0.01266	0.277176	1.10E-09	0.509337
0.262393	8.60E-09	0.542552	4.23E-37	0.247624	5.91E-08	0.348472	8.85E-15	0.581496
0.012803	0.78259	0.154898	0.00078	0.08984	0.05236	0.105754	0.02227	0.25953
0.226711	7.39E-07	0.102362	0.02697	-0.20318	9.64E-06	0.163494	0.00039	0.292365
0.138483	0.00271	0.138009	0.0028	0.077527	0.09425	0.089602	0.05299	0.074626
0.116013	0.01211	0.251747	3.49E-08	0.202316	1.05E-05	0.154365	0.00082	0.363216
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-0.21022	4.60E-06	0.064434	0.16449	-0.01711	0.71231	-0.00039	0.99332	0.111041
-0.01849	0.6903	0.144998	0.00168	0.074798	0.10646	0.114777	0.01307	0.33387
0.169387	0.00024	0.396954	4.47E-19	0.34121	3.39E-14	0.239377	1.65E-07	0.424824
0.122545	0.00802	0.070549	0.12791	0.011021	0.81224	0.060259	0.19363	0.046
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0.360976	8.08E-16	0.653714	2.90E-58	0.530143	3.34E-35	0.402154	1.40E-19	0.544285
0.000869	0.98506	0.259124	1.33E-08	0.172546	0.00018	0.175402	0.00014	0.342998
0.166184	0.00031	0.065414	0.15814	-0.03982	0.39055	0.143364	0.0019	0.035488
-0.0898	0.05247	-0.10631	0.02157	-0.14571	0.00159	-0.01379	0.76629	0.133022
0.109229	0.01822	0.076763	0.09755	0.144882	0.00169	0.145128	0.00166	0.16229
0.149187	0.00122	0.204587	8.33E-06	0.072271	0.11884	0.164178	0.00037	0.356131
0.202775	1.00E-05	0.324311	6.73E-13	0.25869	1.41E-08	0.224717	9.29E-07	0.41224
0.344782	1.76E-14	0.37011	1.31E-16	0.249242	4.81E-08	0.210123	4.65E-06	0.472475

0.34524	1.62E-14	0.362726	5.73E-16	0.312396	4.97E-12	0.298303	4.72E-11	0.479071
0.090945	0.04951	0.25802	1.54E-08	0.153298	0.00089	0.21519	2.69E-06	0.448795
-0.11528	0.01268	-0.08119	0.07966	-0.05579	0.22884	0.000855	0.98529	0.067775
-0.08217	0.07609	0.036237	0.43465	-0.00129	0.9779	0.090924	0.04957	0.203472
-0.26448	6.48E-09	0.058335	0.20828	-0.03284	0.47893	-0.05484	0.23689	-0.00335
0.103196	0.02574	0.176291	0.00013	0.095262	0.03961	0.075372	0.10379	0.157714
0.131624	0.00438	-0.16726	0.00028	-0.07016	0.13005	0.08337	0.07187	0.086284
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0.018025	0.69764	0.137542	0.0029	0.155882	0.00072	0.113959	0.01374	0.292658
0.054318	0.24138	-0.09117	0.04895	-0.05958	0.19873	0.032226	0.48723	0.042849
-0.05885	0.20431	0.011687	0.80113	-0.01892	0.68334	0.025766	0.57862	0.0728
0.077415	0.09473	0.355463	2.35E-15	0.260119	1.17E-08	0.055215	0.23369	0.186867
0.039921	0.38938	0.288546	2.09E-10	0.249945	4.40E-08	0.11353	0.0141	0.152184
-0.07031	0.1292	0.130489	0.00474	0.051251	0.26902	0.121645	0.0085	0.342756
0.12011	0.00938	-0.09487	0.04044	-0.06773	0.14388	-0.06078	0.18979	-0.34002
0.008832	0.84903	0.208679	5.42E-06	0.155713	0.00073	0.197537	1.71E-05	0.293405
0.072295	0.11872	0.116189	0.01198	0.120701	0.00903	0.049126	0.28941	0.108669
0.240512	1.43E-07	0.257198	1.72E-08	0.364534	4.01E-16	0.097779	0.03465	0.31196
0.357539	1.58E-15	0.635529	3.35E-54	0.612947	1.61E-49	0.361835	6.83E-16	0.527689
0.051866	0.26332	0.079637	0.0856	0.037183	0.42275	-0.03204	0.48971	0.225735
0.014176	0.75995	0.017312	0.70905	-0.01194	0.79684	0.063537	0.17045	0.108007
0.07768	0.0936	0.411938	1.48E-20	0.252343	3.23E-08	0.203406	9.41E-06	0.396582
0.087085	0.06005	0.373663	6.38E-17	0.183277	6.78E-05	0.13384	0.00376	0.402964
-0.01195	0.79667	0.326336	4.75E-13	0.20679	6.62E-06	0.285029	3.53E-10	0.288697
0.265132	5.93E-09	0.340753	3.68E-14	0.261759	9.36E-09	0.341502	3.21E-14	0.373545
-0.19014	3.54E-05	-0.13209	0.00424	-0.11955	0.00972	-0.16173	0.00045	-0.12109
-0.02325	0.61625	0.173212	0.00017	0.118071	0.01066	0.09492	0.04033	0.241918
-0.07065	0.12737	0.070698	0.12711	0.066398	0.15197	-0.08555	0.06473	-0.02603
-0.1167	0.01161	-0.00083	0.98567	-0.06058	0.19124	0.027355	0.5554	0.194535
0.350203	6.40E-15	0.225703	8.30E-07	0.274941	1.52E-09	0.179245	9.83E-05	0.260907
0.48678	3.72E-29	0.603946	9.33E-48	0.519163	1.37E-33	0.425064	6.51E-22	0.597024
0.09193	0.04709	0.210921	4.27E-06	0.138438	0.00272	0.124461	0.00708	0.310051
0.045068	0.33115	-0.03038	0.51259	-0.10437	0.02409	0.132803	0.00404	0.272489
0.135827	0.00327	0.231741	4.11E-07	0.223646	1.05E-06	0.159191	0.00055	0.24392
-0.20478	8.16E-06	-0.19447	2.32E-05	-0.29725	5.56E-11	-0.04723	0.30847	0.103062
-0.00907	0.84505	0.275362	1.43E-09	0.251022	3.83E-08	0.067424	0.14573	0.236787
0.135384	0.00338	0.260788	1.07E-08	0.18204	7.61E-05	0.087601	0.05854	0.231698
0.067372	0.14603	0.290842	1.48E-10	0.155464	0.00075	0.123006	0.00779	0.255895
0.01621	0.7268	0.193157	2.64E-05	0.194691	2.27E-05	0.095719	0.03867	0.318859
-0.12283	0.00788	-0.09036	0.05101	-0.07149	0.12289	-0.05367	0.24708	0.149724
0.370618	1.19E-16	0.351688	4.83E-15	0.310976	6.27E-12	0.280626	6.72E-10	0.428866
-0.11348	0.01414	0.03356	0.46937	-0.03899	0.4005	0.065606	0.15692	0.224855
-0.08819	0.05685	0.142571	0.00201	0.062541	0.17727	0.01125	0.80841	0.10226
-0.06067	0.1906	0.0555	0.23128	0.091473	0.0482	0.034732	0.45399	0.229105
-0.04078	0.37925	0.09702	0.03609	0.11096	0.01645	0.072691	0.11671	0.209195

0.02434	0.59983	0.112971	0.01458	-0.12209	0.00826	0.052476	0.25774	0.248392
0.286249	2.94E-10	0.595322	4.04E-46	0.427949	3.21E-22	0.325904	5.12E-13	0.398167
0.129891	0.00493	0.372945	7.39E-17	0.177171	0.00012	0.281345	6.05E-10	0.512918
-0.04753	0.30543	0.039358	0.39611	-0.00541	0.90713	0.025432	0.58355	0.316012
0.163115	0.0004	0.395028	6.85E-19	0.286594	2.80E-10	0.095951	0.0382	0.293767
0.075413	0.1036	-0.08733	0.05934	-0.01159	0.80271	-0.05948	0.19949	-0.05362
-0.21948	1.68E-06	-0.14576	0.00159	-0.17185	0.00019	-0.18575	5.38E-05	-0.10377
0.22276	1.16E-06	0.332184	1.71E-13	0.330784	2.19E-13	0.14226	0.00206	0.367355
0.083422	0.07169	0.236111	2.44E-07	0.20906	5.21E-06	0.180999	8.37E-05	0.357108
-0.01215	0.7934	0.01356	0.77009	-0.03322	0.47396	-0.01025	0.82523	0.134018
-0.07503	0.10538	0.034114	0.46207	0.040865	0.37826	-0.03911	0.39914	0.029893
0.116465	0.01178	0.113904	0.01378	0.105277	0.02289	-0.00628	0.89233	0.098074
-0.07976	0.08511	-0.06531	0.15881	-0.02253	0.62717	0.038689	0.40419	0.08985
-0.01436	0.75688	0.196986	1.81E-05	0.110988	0.01642	0.128363	0.00547	0.354039
0.138506	0.0027	0.171696	0.00019	0.165996	0.00032	0.09411	0.04207	0.259147
0.205455	7.61E-06	0.28284	4.87E-10	0.180589	8.69E-05	0.282489	5.12E-10	0.47632
-0.04057	0.38175	0.276447	1.23E-09	0.18695	4.80E-05	0.172396	0.00018	0.378753
-0.16257	0.00042	-0.02565	0.58026	-0.08417	0.06918	0.019765	0.67009	0.166917
0.116665	0.01164	0.205935	7.24E-06	0.134263	0.00365	0.297171	5.63E-11	0.215752
-0.09486	0.04045	0.075775	0.10195	-0.00052	0.99112	0.076031	0.10079	0.299844
-0.20765	6.05E-06	-0.09905	0.03236	-0.21431	2.96E-06	-0.00878	0.84993	0.155909
-0.10755	0.02009	0.018838	0.68471	-0.13657	0.0031	0.009534	0.8372	0.125458
0.174817	0.00015	0.349042	7.95E-15	0.282425	5.17E-10	0.048596	0.29465	0.216345
-0.15946	0.00054	0.04371	0.34593	-0.05146	0.26704	0.055754	0.22914	0.282146
0.121295	0.00869	0.11042	0.01698	0.039041	0.39993	0.156969	0.00066	0.084342
-0.01869	0.68701	0.018185	0.69509	-0.01469	0.75149	0.039261	0.39728	0.241673
-0.19026	3.50E-05	-0.04515	0.33031	-0.13537	0.00338	0.02747	0.55375	0.251612
-0.12086	0.00894	0.079737	0.0852	0.019771	0.67	0.060939	0.18865	0.263337
0.287901	2.30E-10	0.510209	2.58E-32	0.303752	2.01E-11	0.321918	1.01E-12	0.460848
-0.08778	0.05803	-0.11359	0.01405	-0.11752	0.01103	-0.01089	0.81442	0.137427
0.044672	0.33542	0.228921	5.72E-07	0.113548	0.01408	0.147859	0.00135	0.383666
0.067781	0.1436	0.259865	1.21E-08	0.171451	0.0002	0.118301	0.01051	0.350739
-0.17671	0.00012	-0.01856	0.68919	-0.0855	0.06488	0.030287	0.51382	0.224966
-0.14853	0.00129	-0.22094	1.42E-06	-0.19363	2.52E-05	-0.07922	0.08725	-0.045
-0.13932	0.00255	0.042022	0.3649	-0.04654	0.31555	0.020292	0.66184	0.223295
0.18784	4.41E-05	0.375014	4.84E-17	0.305489	1.52E-11	0.203005	9.81E-06	0.35993
0.247042	6.36E-08	0.364371	4.14E-16	0.212156	3.74E-06	0.216943	2.22E-06	0.426668
-0.00162	0.97209	0.086466	0.0619	0.011132	0.81038	0.139224	0.00257	0.350209
0.048903	0.2916	-0.25163	3.54E-08	-0.2026	1.02E-05	0.025081	0.58876	-0.02068
-0.11133	0.01609	-0.02875	0.53539	-0.00355	0.93897	0.0188	0.68532	0.173935
-0.22258	1.18E-06	-0.1568	0.00067	-0.2826	5.04E-10	0.058306	0.2085	0.132134
0.063032	0.17388	0.17777	0.00011	0.069486	0.13377	0.021357	0.64527	0.447135
0.458549	1.17E-25	0.639232	5.25E-55	0.345128	1.65E-14	0.41799	3.57E-21	0.633013
0.031915	0.49145	0.275243	1.45E-09	0.1774	0.00012	0.004524	0.92233	0.156237
0.171049	0.0002	0.377319	3.01E-17	0.312216	5.12E-12	0.303894	1.96E-11	0.467677

0.173572	0.00016	0.361973	6.65E-16	0.343607	2.18E-14	0.190549	3.40E-05	0.37868
0.017254	0.70998	0.212067	3.78E-06	0.204708	8.23E-06	0.140886	0.00228	0.153372
0.013874	0.76492	0.16241	0.00043	0.102251	0.02714	0.136565	0.00311	0.366218
-0.08848	0.05603	0.202586	1.02E-05	0.055533	0.231	0.052419	0.25826	0.198075
-0.02511	0.58831	-0.09632	0.03745	-0.08931	0.05376	0.054719	0.23792	-0.15706
-0.14004	0.00242	-0.17434	0.00015	-0.14889	0.00125	-0.11476	0.01308	-0.07253
0.083061	0.07293	-0.09035	0.05103	-0.03833	0.40858	0.006893	0.8819	-0.1167
-0.13762	0.00288	0.077717	0.09344	0.010846	0.81516	0.075496	0.10322	0.193346
-0.14571	0.00159	0.002966	0.94903	-0.07111	0.12492	-0.04883	0.29238	0.107647
-0.04936	0.28711	-0.01475	0.75053	-0.03045	0.51157	0.053213	0.25111	-0.04061
0.092554	0.0456	-0.07234	0.11847	-0.02205	0.63456	-0.03486	0.45232	-0.26059
0.044225	0.34028	0.006361	0.89096	0.082039	0.07654	0.035172	0.44829	-0.17334
-0.08658	0.06154	-0.05349	0.24865	-0.08675	0.06104	0.084767	0.06722	0.257954
-0.15281	0.00092	0.002458	0.95775	-0.08118	0.07968	-0.04603	0.32087	0.05469
0.136387	0.00314	0.229931	5.09E-07	0.239948	1.54E-07	0.239404	1.64E-07	0.17471
0.049455	0.28619	0.023484	0.61271	-0.00389	0.93318	0.10165	0.02806	0.273422
0.111098	0.01631	0.231246	4.36E-07	0.09021	0.05139	0.123519	0.00753	0.31797
0.438861	2.09E-23	0.6203	5.31E-51	0.302356	2.50E-11	0.44052	1.37E-23	0.630918
0.299531	3.90E-11	0.424609	7.27E-22	0.285352	3.36E-10	0.484866	6.58E-29	0.677919
-0.13909	0.00259	-0.2685	3.74E-09	-0.17529	0.00014	-0.24267	1.10E-07	-0.22135
-0.00066	0.98869	0.074175	0.10941	-0.06753	0.14508	0.053782	0.24606	0.164744
0.077767	0.09323	0.217106	2.18E-06	0.152175	0.00097	-0.00481	0.9174	0.099693
0.138826	0.00264	0.433966	7.21E-23	0.223141	1.11E-06	0.239527	1.62E-07	0.502673
0.005653	0.90302	0.178508	0.00011	0.115337	0.01263	0.215546	2.59E-06	0.436255
-0.04468	0.33538	0.052213	0.26013	0.031432	0.49803	-0.01095	0.81338	0.222396
-0.13575	0.00329	-0.03622	0.43482	-0.34622	1.35E-14	0.137808	0.00284	0.436341
0.227576	6.69E-07	-0.03936	0.3961	0.047516	0.30552	0.060844	0.18934	0.177159
0.3986	3.10E-19	0.148456	0.00129	0.148722	0.00127	0.253096	2.93E-08	0.342755
0.173873	0.00016	0.040419	0.38349	-0.09872	0.03293	0.03855	0.40588	0.107586
0.21767	2.05E-06	0.245951	7.30E-08	0.169082	0.00024	0.202821	1.00E-05	0.198395
0.11692	0.01145	0.012488	0.78781	0.076545	0.0985	-0.0605	0.19186	-0.03364
0.303895	1.96E-11	0.324847	6.14E-13	0.122051	0.00828	0.246385	6.91E-08	0.400894
0.001935	0.96674	0.133645	0.00381	0.116154	0.01201	-0.02296	0.62061	0.081101
-0.0974	0.03537	0.066412	0.15188	0.031311	0.49969	0.008984	0.84646	0.143916
-0.11998	0.00945	-0.03968	0.39226	-0.0183	0.69331	-0.13346	0.00386	-0.03856
-0.05662	0.22201	0.040767	0.37941	-0.19346	2.56E-05	0.107101	0.02062	0.33679
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0.174101	0.00016	0.172328	0.00018	0.024717	0.59418	0.193055	2.67E-05	0.157553
-0.18031	8.92E-05	0.00894	0.84721	-0.09546	0.0392	0.000197	0.99662	0.195703
0.137574	0.00289	0.223454	1.07E-06	0.155612	0.00074	0.25213	3.32E-08	0.339798
-0.0411	0.37555	0.049964	0.28125	-0.06827	0.14073	0.180475	8.79E-05	0.365802
0.053407	0.24938	0.24603	7.22E-08	0.183441	6.68E-05	0.175844	0.00013	0.363866
-0.06319	0.1728	0.099309	0.0319	0.04346	0.34871	0.012583	0.78624	0.280509
-0.22173	1.30E-06	-0.05505	0.23505	-0.26716	4.49E-09	-0.10268	0.0265	-0.07329
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-0.14205	0.00209	-0.02544	0.5834	-0.13207	0.00425	0.062638	0.17659	0.255806
-0.07382	0.11114	0.093479	0.04348	-0.08046	0.0824	0.069615	0.13305	0.206085
0.138413	0.00272	0.305569	1.50E-11	0.304743	1.71E-11	0.191404	3.13E-05	0.394954
-0.07045	0.12847	0.019238	0.6784	-0.0102	0.82596	0.029173	0.52943	0.378093
-0.03394	0.4644	-0.03781	0.41496	0.143706	0.00185	-0.19224	2.89E-05	-0.06278
0.163337	0.00039	0.105703	0.02234	0.025775	0.57849	0.189085	3.92E-05	0.366838
0.342988	2.45E-14	0.222181	1.24E-06	0.10245	0.02684	0.337848	6.23E-14	0.547728
-0.06005	0.19518	0.115719	0.01233	0.006603	0.88684	0.100956	0.02915	0.272273
0.02071	0.6553	0.164756	0.00035	0.142883	0.00197	0.149503	0.00119	0.299028
-0.02926	0.52816	-0.21344	3.26E-06	-0.13581	0.00327	-0.25396	2.62E-08	-0.388
-0.1747	0.00015	-0.01563	0.73616	-0.27016	2.97E-09	0.065191	0.15957	0.134152
-0.02584	0.57749	0.112104	0.01536	0.069344	0.13457	0.028002	0.5461	0.161899
0.034124	0.46194	0.02265	0.62539	0.019575	0.67308	-0.00212	0.96353	-0.05242
0.197957	1.64E-05	0.05855	0.2066	0.196933	1.82E-05	0.052677	0.25592	-0.02694
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0.052612	0.2565	0.290812	1.49E-10	0.229903	5.10E-07	0.198764	1.51E-05	0.414058
0.144358	0.00176	0.297709	5.18E-11	0.197273	1.76E-05	0.137694	0.00287	0.35079
-0.02784	0.54841	0.233124	3.49E-07	0.131247	0.0045	0.063166	0.17296	0.377739
-0.03333	0.47241	-0.01493	0.74764	-0.03495	0.45116	-0.05958	0.19871	-0.07538
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0.029208	0.52893	-0.02563	0.58056	0.011373	0.80636	0.07563	0.10261	0.032624
0.192326	2.86E-05	0.348029	9.62E-15	0.305403	1.54E-11	0.16048	0.0005	0.235652
0.016562	0.72111	0.210967	4.25E-06	-0.00227	0.96092	0.203923	8.92E-06	0.49555
0.465326	1.81E-26	0.483979	8.56E-29	0.270703	2.75E-09	0.40047	2.04E-19	0.468775
-0.06919	0.13543	0.133168	0.00394	0.05962	0.19841	0.064063	0.16693	0.271043
-0.16898	0.00024	-0.00456	0.92164	0.02543	0.58358	-0.07264	0.11699	0.073725
0.171078	0.0002	0.411245	1.74E-20	0.341218	3.38E-14	0.188217	4.26E-05	0.350642
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0.012537	0.787	0.285995	3.06E-10	0.146134	0.00154	0.101999	0.02752	0.333232
0.397586	3.89E-19	0.210226	4.60E-06	0.405461	6.61E-20	0.113753	0.01391	0.158197
0.008322	0.85766	-0.05525	0.23335	-0.10428	0.02422	0.176189	0.00013	0.342991
-0.07679	0.09743	0.070293	0.1293	0.051991	0.26217	-0.08919	0.0541	0.046652
0.11013	0.01727	0.098602	0.03315	0.089172	0.05414	0.059859	0.19661	-0.12684
0.141428	0.00219	0.193252	2.61E-05	0.152015	0.00098	0.038545	0.40595	0.146945
-0.09641	0.03728	-0.30885	8.85E-12	-0.29571	7.05E-11	-0.10909	0.01836	-0.44532
-0.14334	0.0019	-0.24638	6.91E-08	-0.16779	0.00027	-0.02149	0.64327	0.006731
0.216957	2.22E-06	0.296518	6.22E-11	0.220847	1.44E-06	0.118809	0.01018	0.31761
0.081599	0.07814	0.10543	0.02269	0.154968	0.00078	0.134575	0.00357	0.210045
-0.09552	0.03909	0.147384	0.0014	-0.15748	0.00064	0.244916	8.31E-08	0.486886
0.232749	3.65E-07	0.29233	1.18E-10	0.209546	4.95E-06	0.278068	9.72E-10	0.489473
0.014107	0.76109	0.121879	0.00837	0.118486	0.01039	0.127483	0.0058	0.354586
-0.14843	0.0013	0.000262	0.99549	-0.01137	0.80645	0.023224	0.61666	0.158206
-0.09589	0.03833	0.037326	0.42097	-0.0313	0.49977	-0.0192	0.67897	0.231627
0.364244	4.25E-16	0.157146	0.00065	0.065285	0.15897	0.290226	1.62E-10	0.369817
0.140438	0.00235	0.477792	5.24E-28	0.238707	1.79E-07	0.303195	2.19E-11	0.580129

-0.40189	1.49E-19	-0.27328	1.92E-09	-0.30183	2.72E-11	-0.18307	6.91E-05	0.049622
-0.16546	0.00033	0.015067	0.74538	0.046184	0.3193	-0.08876	0.05527	0.007978
-0.05427	0.24181	-0.03122	0.50093	-0.04589	0.32239	0.132817	0.00404	0.159331
-0.04595	0.32178	0.171032	0.0002	0.105894	0.0221	0.142342	0.00205	0.38204
0.011465	0.80483	0.146517	0.0015	0.219896	1.60E-06	0.007775	0.86692	0.128494
0.077514	0.0943	0.113718	0.01394	0.122724	0.00793	0.092789	0.04505	0.143227
0.012839	0.782	0.066993	0.14833	-0.06067	0.19064	0.159425	0.00054	0.356914
0.186125	5.19E-05	0.118837	0.01016	0.161928	0.00044	0.207173	6.36E-06	0.329463
-0.19078	3.32E-05	0.013102	0.77764	-0.09305	0.04446	0.020102	0.6648	0.237169
0.044778	0.33427	0.195212	2.15E-05	0.153089	0.0009	-0.04306	0.35318	0.029706
-0.10815	0.0194	-0.0118	0.79924	-0.02213	0.63343	-0.01659	0.72067	-0.10872
-0.17189	0.00019	-0.22373	1.04E-06	-0.17092	0.00021	-0.0436	0.34714	0.066928
-0.04027	0.38522	0.141481	0.00218	0.028581	0.53782	0.087816	0.05792	0.225493
0.095866	0.03837	0.142672	0.002	0.046931	0.31152	0.171285	0.0002	0.202518
0.032292	0.48633	0.323154	8.21E-13	0.113774	0.01389	0.275037	1.50E-09	0.460183
0.212981	3.42E-06	0.38507	5.91E-18	0.25135	3.67E-08	0.226996	7.15E-07	0.510897
0.222248	1.23E-06	0.251365	3.67E-08	0.178566	0.0001	0.300676	3.26E-11	0.466711
0.17459	0.00015	0.367216	2.35E-16	0.225231	8.76E-07	0.243473	9.94E-08	0.607778
0.070033	0.13073	0.195392	2.12E-05	0.175135	0.00014	-0.1042	0.02432	0.039621
-0.34567	1.49E-14	-0.31315	4.39E-12	-0.24403	9.28E-08	-0.17251	0.00018	-0.18742
0.109398	0.01804	0.105508	0.02259	-0.02784	0.54846	0.155514	0.00075	0.131802
0.130481	0.00474	0.20336	9.46E-06	0.153911	0.00085	0.238404	1.85E-07	0.240807
-0.07805	0.09206	-0.10962	0.01781	-0.15858	0.00058	0.05078	0.27346	0.231224
0.199956	1.34E-05	0.249279	4.79E-08	0.100982	0.02911	0.338656	5.39E-14	0.408729
-0.17068	0.00021	-0.25529	2.20E-08	-0.21937	1.70E-06	-0.11946	0.00977	-0.19747
-0.02643	0.5689	-0.02909	0.53065	0.033899	0.46489	0.033741	0.46697	0.058719
-0.02491	0.59135	0.091938	0.04707	-0.10114	0.02887	-0.03784	0.4146	0.059505
0.169937	0.00022	-0.03078	0.507	0.01124	0.80858	-0.02252	0.62739	-0.27782
0.047932	0.30131	0.110486	0.01692	0.016916	0.71541	0.212315	3.68E-06	0.325692
0.428566	2.76E-22	0.408013	3.68E-20	0.319507	1.52E-12	0.283162	4.64E-10	0.452736
0.04646	0.31641	0.097887	0.03445	0.060513	0.19176	0.079262	0.08709	0.280257
-0.05266	0.25603	0.096615	0.03687	-0.0171	0.71247	0.081741	0.07762	0.321554
0.058847	0.2043	0.211204	4.15E-06	0.041083	0.37573	0.172779	0.00018	0.415282
-0.05863	0.206	0.11261	0.0149	-0.01894	0.68303	0.1205	0.00915	0.345721
0.169356	0.00024	0.371479	9.96E-17	0.279903	7.46E-10	0.34006	4.18E-14	0.498488
0.246313	6.97E-08	0.363389	5.03E-16	0.245871	7.37E-08	0.37722	3.07E-17	0.512588
0.15823	0.0006	-0.14026	0.00238	0.137931	0.00282	-0.07438	0.10843	-0.01888
-0.00602	0.89673	0.115908	0.01219	0.125652	0.00655	0.207534	6.12E-06	0.236279
0.280153	7.19E-10	0.278316	9.38E-10	0.259815	1.21E-08	0.177645	0.00011	0.363656
-0.2591	1.33E-08	-0.19862	1.53E-05	-0.1785	0.00011	-0.10909	0.01836	0.157667
-0.07267	0.11682	0.013652	0.76857	0.00331	0.94314	-0.01633	0.72479	0.187159
0.065711	0.15626	-0.24747	6.03E-08	-0.11349	0.01413	-0.01631	0.72525	-0.27138
0.223509	1.07E-06	0.271716	2.39E-09	0.239023	1.72E-07	0.237204	2.14E-07	0.468552
0.024133	0.60292	-0.1017	0.02798	-0.09861	0.03313	0.002531	0.9565	0.07889
-0.17013	0.00022	0.16642	0.0003	0.055922	0.22775	0.091952	0.04703	0.404691



0.197914	1.65E-05	0.267355	4.38E-09	0.263506	7.40E-09	0.193875	2.46E-05	0.367197
-0.14936	0.00121	-0.01618	0.72729	0.0011	0.98109	0.064911	0.16138	0.35872
-0.00612	0.89512	0.057865	0.21197	0.052717	0.25555	0.039969	0.38881	0.198094
0.201628	1.13E-05	0.094707	0.04078	0.150466	0.00111	-0.00204	0.96492	-0.09956
-0.17178	0.00019	-0.15892	0.00057	-0.02492	0.59118	-0.24238	1.14E-07	-0.16917
-0.03178	0.49324	0.076344	0.09939	0.053766	0.24621	-0.00693	0.88123	0.066394
0.174077	0.00016	0.218349	1.90E-06	0.236701	2.28E-07	0.169841	0.00023	0.33188
0.110082	0.01732	0.138807	0.00265	0.153819	0.00085	-0.03008	0.51669	0.033087
0.034697	0.45445	0.125435	0.00664	0.035326	0.4463	0.424284	7.87E-22	0.450005
0.077129	0.09596	0.200764	1.23E-05	0.112949	0.0146	0.128596	0.00538	0.364551
0.197119	1.78E-05	0.293266	1.03E-10	0.21905	1.76E-06	0.187678	4.48E-05	0.292689
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0.116406	0.01182	0.077805	0.09307	0.205932	7.24E-06	-0.02807	0.54507	0.110002
0.124222	0.0072	0.030334	0.51316	0.036051	0.43703	0.054049	0.24372	0.092536
-0.20203	1.08E-05	-0.03577	0.44058	-0.10947	0.01796	-0.00433	0.92564	0.208051
-0.0894	0.05353	0.107784	0.01982	-0.00875	0.85034	0.061923	0.1816	0.324072
-0.00875	0.85043	0.172567	0.00018	0.017418	0.70735	0.152298	0.00096	0.333894
-0.13699	0.00301	0.055833	0.22848	0.031588	0.49589	0.024325	0.60005	0.145854
-0.05606	0.22658	0.025374	0.58441	-0.01168	0.80116	0.017116	0.71218	0.08671
-0.16326	0.0004	-0.193	2.68E-05	-0.11422	0.01352	-0.16022	0.00051	-0.07113
0.002774	0.95233	0.068495	0.13942	0.008451	0.85548	0.032943	0.47758	0.147034
-0.10506	0.02317	0.005884	0.89908	-0.0632	0.17274	0.006244	0.89295	0.190601
0.037407	0.41996	0.048912	0.29152	0.013007	0.77921	0.103177	0.02577	0.070458
-0.23988	1.55E-07	-0.27779	1.01E-09	-0.22078	1.45E-06	-0.34944	7.39E-15	-0.35241
0.048302	0.29758	0.141897	0.00211	0.143939	0.00182	0.052239	0.2599	0.145066
-0.30637	1.32E-11	-0.21265	3.55E-06	-0.4856	5.30E-29	-0.14251	0.00202	0.05003
0.103031	0.02598	0.221054	1.41E-06	-0.05454	0.2395	0.107428	0.02023	0.303975
0.203033	9.78E-06	0.476561	7.48E-28	0.335709	9.15E-14	0.271677	2.40E-09	0.488322
0.08369	0.07078	0.276163	1.28E-09	0.251979	3.39E-08	0.087083	0.06005	0.15734
0.071445	0.12313	0.144551	0.00174	0.157184	0.00065	-0.09408	0.04213	-0.01884
-0.30055	3.32E-11	-0.17508	0.00014	-0.22097	1.42E-06	-0.17726	0.00012	0.026194
-0.05172	0.26464	0.111589	0.01584	0.090776	0.04994	0.135173	0.00343	0.2684
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0.02966	0.52257	0.037705	0.41626	0.068984	0.13661	0.052506	0.25746	0.182034
-0.06715	0.14736	0.174956	0.00014	0.131087	0.00455	0.077681	0.09359	0.167364
0.102144	0.0273	0.249994	4.37E-08	0.158119	0.0006	0.016982	0.71435	0.116182
0.204944	8.03E-06	0.216092	2.44E-06	0.078811	0.0889	0.251253	3.72E-08	0.388825
-0.04981	0.28274	0.150251	0.00113	0.11688	0.01148	0.097776	0.03466	0.286867
0.376321	3.70E-17	0.381148	1.35E-17	0.410125	2.26E-20	0.249475	4.67E-08	0.376308
0.082635	0.07442	-0.01609	0.72867	0.035602	0.44275	-0.13621	0.00318	-0.14558
-0.05843	0.20756	0.050414	0.27693	-0.05418	0.24255	0.014355	0.75702	0.236296
0.322836	8.67E-13	0.337134	7.08E-14	0.257533	1.64E-08	0.256278	1.94E-08	0.5692
-0.08635	0.06224	-0.06209	0.18041	-0.09125	0.04874	-0.02306	0.61911	0.064949
-0.08093	0.08063	-0.09985	0.03097	-0.14485	0.0017	0.064482	0.16417	0.011315
-0.06998	0.13105	0.125915	0.00644	0.091114	0.04909	0.071762	0.12147	0.176895

0.422066	1.35E-21	0.558019	1.41E-39	0.475043	1.16E-27	0.385224	5.72E-18	0.597654
0.092624	0.04544	0.065634	0.15675	0.085844	0.0638	0.146251	0.00153	0.021549
0.000627	0.98922	0.306798	1.23E-11	0.182029	7.61E-05	0.134091	0.0037	0.267082
-0.0241	0.60345	0.153327	0.00089	0.126853	0.00605	0.118427	0.01043	0.157956
0.152041	0.00098	0.357561	1.57E-15	0.323756	7.41E-13	0.151568	0.00102	0.336865
0.020952	0.65155	-0.09034	0.05105	-0.16828	0.00026	-0.061	0.18819	-0.13146
-0.10166	0.02804	-0.04171	0.36852	-0.11606	0.01208	0.051594	0.26583	0.229214
0.015023	0.74608	-0.05473	0.23779	-0.11917	0.00995	0.102602	0.02661	0.168968
-0.19769	1.68E-05	0.015707	0.73496	-0.11972	0.00961	0.021123	0.6489	0.255203
-0.12806	0.00558	0.001252	0.97848	-0.16365	0.00038	0.126108	0.00636	0.286561
0.024202	0.60189	-0.03046	0.51147	-0.05423	0.2421	0.28704	2.62E-10	0.041122
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0.114462	0.01332	0.326243	4.83E-13	0.234855	2.84E-07	0.093136	0.04425	0.215249
0.128752	0.00533	0.225538	8.46E-07	0.198292	1.58E-05	0.254292	2.51E-08	0.314652
0.015641	0.73602	0.057835	0.21221	0.084127	0.06932	0.067912	0.14283	0.111646
-0.10429	0.02421	0.008835	0.84898	-0.06175	0.18279	0.072894	0.11569	0.274116
0.093528	0.04337	0.317852	2.01E-12	0.321335	1.12E-12	0.17297	0.00017	0.32669
0.061298	0.18605	0.041213	0.37421	0.060101	0.19481	0.078008	0.09222	0.125524
0.185777	5.37E-05	0.246363	6.93E-08	0.281812	5.65E-10	0.153396	0.00088	0.19808
0.097667	0.03486	0.306755	1.24E-11	0.274704	1.57E-09	0.110038	0.01737	0.172711
-0.07522	0.10448	0.119716	0.00961	0.085931	0.06353	0.018031	0.69755	0.185824
0.027414	0.55456	0.239875	1.55E-07	0.165621	0.00033	0.119489	0.00975	0.348952
0.039075	0.39952	0.164459	0.00036	0.022253	0.63148	0.083261	0.07224	0.175409
0.00284	0.9512	0.157224	0.00065	0.137544	0.0029	0.076901	0.09694	0.219527
0.142064	0.00209	0.154113	0.00083	0.11745	0.01108	0.192852	2.72E-05	0.309042
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0.199911	1.35E-05	0.238455	1.84E-07	0.189748	3.67E-05	0.063351	0.17171	0.164089
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0.264509	6.46E-09	0.497993	1.23E-30	0.306938	1.21E-11	0.267116	4.52E-09	0.46923
0.400567	2.00E-19	0.550873	2.04E-38	0.459127	9.98E-26	0.41338	1.06E-20	0.538886
-0.26501	6.04E-09	-0.07275	0.1164	-0.0805	0.08225	-0.13648	0.00312	0.041006
-0.09474	0.0407	-0.02194	0.63627	-0.09347	0.04349	0.05422	0.24223	0.295364
-0.07138	0.12348	0.097187	0.03577	0.020911	0.65219	0.031419	0.4982	0.221454
0.024412	0.59875	0.17054	0.00021	0.104163	0.02438	0.097998	0.03424	0.269784
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0.257828	1.58E-08	0.440131	1.51E-23	0.390142	1.99E-18	0.251366	3.67E-08	0.557557
0.042462	0.35989	0.195615	2.07E-05	0.100602	0.02973	0.183651	6.55E-05	0.393795
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0.160258	0.00051	0.154737	0.00079	0.143306	0.00191	0.207913	5.88E-06	0.191029
0.147788	0.00136	0.018662	0.6875	-0.10634	0.02153	0.129986	0.0049	0.174964
0.33413	1.21E-13	0.258854	1.38E-08	0.24321	1.03E-07	0.301026	3.08E-11	0.508288
0.304779	1.70E-11	0.308149	9.92E-12	0.258848	1.38E-08	0.214983	2.75E-06	0.393744
-0.19006	3.56E-05	-0.10197	0.02757	-0.20365	9.18E-06	0.182721	7.14E-05	0.33532
-0.01099	0.8127	-0.17855	0.0001	-0.10703	0.0207	0.101702	0.02798	0.209597
-0.15061	0.0011	-0.14297	0.00195	-0.12906	0.00522	0.011952	0.79671	0.067823

-0.21604	2.45E-06	-0.1207	0.00903	-0.17271	0.00018	-0.0509	0.2723	0.20245
-0.20213	1.07E-05	-0.02097	0.65128	-0.10018	0.03043	0.029231	0.52861	0.170112
-0.1932	2.63E-05	-0.10828	0.01925	-0.19265	2.77E-05	0.03277	0.4799	0.320435
-0.29807	4.89E-11	-0.11044	0.01697	-0.17395	0.00016	-0.05339	0.24953	0.14537
0.048889	0.29174	0.22084	1.44E-06	0.195246	2.15E-05	0.152402	0.00095	0.247001
-0.17703	0.00012	-0.12734	0.00586	-0.06145	0.18497	-0.00212	0.96352	0.138497
-0.10816	0.01939	-0.00239	0.95896	-0.01031	0.82417	-0.01532	0.74127	0.213453
0.024353	0.59963	0.009859	0.83173	0.02219	0.63244	-0.12188	0.00838	-0.22373
-0.2146	2.87E-06	-0.03849	0.40668	-0.08073	0.08138	-0.06265	0.17653	0.093454
0.00099	0.98298	0.089957	0.05205	0.080227	0.0833	0.051393	0.2677	0.195079
0.013774	0.76656	-0.00924	0.84218	0.04847	0.2959	0.001512	0.974	0.056634
0.129713	0.00499	0.291367	1.37E-10	0.202606	1.02E-05	0.220069	1.57E-06	0.334803
0.0654	0.15823	0.134165	0.00368	0.063542	0.17042	0.19298	2.68E-05	0.210821
-0.11997	0.00946	0.011023	0.8122	-0.0227	0.62466	0.06939	0.13431	0.224673
-0.2523	3.25E-08	-0.18311	6.89E-05	-0.17606	0.00013	-0.0805	0.08226	0.140479
-0.17368	0.00016	-0.0189	0.68381	-0.05734	0.21613	0.007422	0.87291	0.257295
0.065068	0.16037	0.108996	0.01847	0.030163	0.51554	0.214471	2.91E-06	0.168091
0.032932	0.47774	-0.19881	1.50E-05	-0.10997	0.01744	-0.1515	0.00102	-0.34107
-0.03933	0.39644	0.16953	0.00023	0.040507	0.38246	-0.02247	0.62814	0.195636
-0.05881	0.20463	-0.07118	0.12451	-0.04441	0.33828	-0.08761	0.0585	-0.00409
0.093293	0.0439	0.414357	8.43E-21	0.134512	0.00359	0.322222	9.62E-13	0.525608
0.16021	0.00051	0.033725	0.4672	0.101045	0.02901	0.014578	0.75337	-0.14608
-0.02121	0.64753	0.121037	0.00884	-0.10078	0.02944	0.217835	2.01E-06	0.295479
0.093358	0.04375	-0.23915	1.69E-07	-0.09871	0.03295	-0.12511	0.00679	-0.33329
0.026203	0.57218	0.082215	0.07591	0.047858	0.30206	0.01825	0.69405	0.028358
-0.01164	0.80188	0.006103	0.89536	0.017257	0.70993	0.131058	0.00456	0.300155
-0.08945	0.0534	0.105388	0.02274	0.090924	0.04957	-0.00424	0.92714	-0.01304
0.226361	7.70E-07	0.374256	5.65E-17	0.155072	0.00077	0.299011	4.23E-11	0.605023
0.113672	0.01398	0.266267	5.08E-09	0.331516	1.93E-13	0.168336	0.00026	0.374776
-0.24308	1.04E-07	-0.23222	3.89E-07	-0.23504	2.78E-07	-0.04184	0.367	0.005291
0.122608	0.00799	0.192252	2.88E-05	0.223766	1.04E-06	0.051369	0.26792	0.119432
-0.08837	0.05634	0.018584	0.68874	0.070738	0.12689	0.093557	0.0433	0.282961
0.285635	3.23E-10	0.214858	2.79E-06	0.297679	5.20E-11	0.285992	3.06E-10	0.33184
0.248242	5.46E-08	0.329511	2.74E-13	0.243944	9.38E-08	0.193012	2.68E-05	0.394614
0.065761	0.15595	0.182346	7.39E-05	0.125811	0.00648	0.187209	4.68E-05	0.460554
0.033548	0.46953	0.111596	0.01584	0.074368	0.10849	0.065692	0.15638	0.165112
0.140405	0.00236	0.102423	0.02688	0.237798	1.99E-07	0.147517	0.00139	0.128419
0.006199	0.89371	0.226857	7.27E-07	0.173048	0.00017	0.117123	0.01131	0.39715
0.063185	0.17284	0.202345	1.05E-05	0.167032	0.00029	0.18163	7.90E-05	0.416103
-0.02589	0.57674	0.061251	0.18639	0.081905	0.07702	0.063107	0.17337	0.267589
0.142592	0.00201	0.239581	1.61E-07	-0.02351	0.61238	0.244163	9.12E-08	0.313415
0.210635	4.41E-06	0.050551	0.27563	0.006843	0.88274	0.230389	4.82E-07	0.34739
0.153808	0.00085	0.300239	3.49E-11	0.178323	0.00011	0.173883	0.00016	0.298632
0.021314	0.64593	0.140404	0.00236	0.16425	0.00036	0.104832	0.02348	0.300806
0.108201	0.01934	0.052516	0.25737	0.03933	0.39645	0.11883	0.01016	0.037524

0.009072	0.84498	0.040616	0.38118	0.039219	0.39778	0.06923	0.13521	0.062489
0.02624	0.57165	-0.04852	0.29538	0.033109	0.47538	-0.05124	0.26915	-0.23109
0.124733	0.00696	-0.21624	2.40E-06	-0.1856	5.45E-05	0.018217	0.69457	-0.16232
0.064378	0.16485	0.270047	3.02E-09	0.198576	1.54E-05	0.248335	5.40E-08	0.492679
-0.12147	0.0086	-0.05138	0.26785	-0.01331	0.77413	-0.07016	0.13005	0.228949
0.072694	0.1167	0.190549	3.40E-05	0.120986	0.00887	0.091925	0.0471	0.150812
-0.06093	0.18872	0.047968	0.30094	0.050655	0.27464	0.053577	0.24787	0.217691
-0.00089	0.98475	0.070621	0.12752	0.021451	0.64381	0.085225	0.06575	0.249952
0.081199	0.07962	-0.05296	0.25338	0.003984	0.93158	-0.12733	0.00586	-0.19128
0.162536	0.00042	0.22727	6.93E-07	0.233255	3.44E-07	0.096971	0.03618	0.303551
0.104173	0.02437	0.220882	1.43E-06	0.231712	4.13E-07	0.043648	0.34662	0.197958
-0.07869	0.08941	-0.01879	0.68551	0.022578	0.6265	0.049502	0.28573	0.025982
-0.17984	9.31E-05	-0.14193	0.00211	-0.12876	0.00533	-0.121	0.00886	0.028024
-0.06224	0.17939	0.160162	0.00051	0.159145	0.00056	0.06329	0.17212	0.032857
0.015965	0.73076	-0.20731	6.27E-06	-0.106	0.02196	-0.02779	0.54919	0.149825
0.028248	0.54257	0.320636	1.26E-12	0.268367	3.81E-09	0.074101	0.10977	0.191163
-0.0087	0.85129	-0.11053	0.01687	0.00022	0.99622	-0.09303	0.04449	-0.132
0.091352	0.0485	0.224577	9.44E-07	0.206963	6.50E-06	0.13692	0.00303	0.142358
-0.18736	4.62E-05	-0.06434	0.1651	-0.01639	0.72392	-0.15481	0.00079	0.031935
-0.20087	1.22E-05	-0.06383	0.16849	-0.15048	0.00111	-0.02806	0.54523	0.273193
0.031692	0.49447	-0.08716	0.05981	-0.20313	9.69E-06	0.00695	0.88093	-0.02516
-0.01088	0.81467	0.080402	0.08262	0.029714	0.52182	0.005709	0.90208	0.105408
-0.05511	0.23455	-0.21435	2.95E-06	-0.07649	0.09875	-0.02243	0.62877	-0.16021
-0.31171	5.56E-12	-0.40164	1.57E-19	-0.38834	2.93E-18	-0.17558	0.00014	-0.043
-0.01479	0.74995	0.01467	0.75186	0.022871	0.62202	0.133134	0.00395	0.333597
0.05736	0.21599	-0.21699	2.21E-06	-0.16513	0.00034	-0.08235	0.07545	-0.16868
-0.0548	0.23721	0.145616	0.0016	0.017243	0.71015	0.123367	0.00761	0.355331
0.097983	0.03427	0.197706	1.68E-05	0.133917	0.00374	0.073215	0.11409	0.199649
0.202611	1.02E-05	0.368639	1.77E-16	0.260554	1.10E-08	0.37821	2.50E-17	0.600022
0.138117	0.00278	0.036642	0.42954	0.104465	0.02397	0.018384	0.69192	-0.05187
-0.05798	0.21109	-0.05845	0.20737	-0.15414	0.00083	0.083523	0.07135	0.215188
-0.03089	0.50545	0.05981	0.19698	-0.00386	0.93367	0.042206	0.3628	0.023217
0.139209	0.00257	0.135322	0.00339	0.187242	4.67E-05	0.015244	0.74249	0.008283
0.050138	0.27957	0.107713	0.0199	-0.10039	0.03007	0.210646	4.40E-06	0.457455
0.2192	1.73E-06	0.395855	5.71E-19	0.301077	3.06E-11	0.263584	7.32E-09	0.532742
0.169649	0.00023	0.392232	1.26E-18	0.219115	1.75E-06	0.117319	0.01117	0.241471
0.056484	0.2231	0.278755	8.80E-10	0.234205	3.07E-07	0.083487	0.07147	0.276031
0.053523	0.24835	0.124503	0.00706	0.098398	0.03351	0.047329	0.30744	0.03855
-0.10262	0.02658	0.057752	0.21287	-0.03954	0.39391	0.043762	0.34537	0.238432
0.078815	0.08889	0.188544	4.12E-05	0.029842	0.52002	0.165341	0.00033	0.399662
0.00014	0.99759	0.192738	2.75E-05	0.087355	0.05925	0.231634	4.17E-07	0.520021
-0.05898	0.20331	-0.00743	0.87282	-0.2481	5.56E-08	-0.00028	0.99512	0.133981
-0.1177	0.01091	-0.18997	3.60E-05	-0.23184	4.07E-07	0.033886	0.46507	0.073328
0.041286	0.37336	0.199795	1.36E-05	0.097954	0.03433	0.096476	0.03715	0.257697
0.269333	3.33E-09	0.531379	2.18E-35	0.356996	1.75E-15	0.37793	2.65E-17	0.603229

-0.00186	0.96808	0.283586	4.36E-10	0.237591	2.04E-07	0.064891	0.16151	0.323534
0.132351	0.00417	0.480055	2.71E-28	0.207103	6.41E-06	0.240616	1.41E-07	0.333137
-0.0301	0.51643	0.056736	0.22104	-0.00086	0.98519	0.097277	0.03559	0.242063
-0.08546	0.06499	0.078258	0.09118	0.075212	0.10453	0.074911	0.10593	0.294139
-0.14855	0.00128	-0.10539	0.02274	-0.13725	0.00296	-0.03984	0.39033	0.109778
0.036145	0.43583	0.366434	2.75E-16	0.155372	0.00075	0.125249	0.00673	0.394488
-0.13349	0.00385	-0.15774	0.00062	-0.16621	0.00031	-0.10343	0.02541	-0.16125
-0.30216	2.58E-11	-0.23529	2.70E-07	-0.19243	2.83E-05	-0.19076	3.33E-05	-0.12196
-0.37718	3.10E-17	-0.39986	2.34E-19	-0.38353	8.20E-18	-0.14075	0.0023	-0.0916
0.182854	7.05E-05	0.390143	1.99E-18	0.351623	4.89E-15	0.309931	7.43E-12	0.520291
-0.01305	0.77853	0.004264	0.92678	0.000891	0.98468	-0.01728	0.7095	-0.03629
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0.126333	0.00626	0.225252	8.74E-07	0.264713	6.28E-09	0.044507	0.3372	0.208401
0.005325	0.90862	0.170473	0.00021	0.152959	0.00091	-0.03318	0.47446	0.059814
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-0.02387	0.60696	-0.01509	0.74501	-0.04557	0.32575	0.013921	0.76414	0.180845
0.146223	0.00153	0.3045	1.78E-11	0.296385	6.35E-11	0.10165	0.02806	0.116699
0.104563	0.02384	0.381466	1.27E-17	0.187326	4.63E-05	0.153544	0.00087	0.384026
0.102118	0.02734	0.219519	1.67E-06	0.203448	9.37E-06	0.037574	0.41789	0.202793
-0.01976	0.67019	0.118853	0.01015	-0.01319	0.77613	0.153248	0.00089	0.347946
-0.09064	0.05029	0.047598	0.30469	-0.01362	0.76915	0.058661	0.20574	0.277339
0.25672	1.83E-08	0.27661	1.20E-09	0.159944	0.00052	0.256528	1.88E-08	0.355071
0.103358	0.02551	0.149043	0.00124	0.055099	0.23467	0.220958	1.42E-06	0.422284
-0.02166	0.64059	0.05152	0.26652	-0.06503	0.16062	0.054232	0.24213	0.377847
0.069201	0.13537	0.057446	0.21531	0.050954	0.27182	-0.12526	0.00672	-0.22544
-0.13343	0.00387	-0.1425	0.00202	-0.23051	4.75E-07	-0.06967	0.13275	0.015297
-0.01256	0.78662	-0.09592	0.03826	-0.1218	0.00841	0.025621	0.58076	0.100982
0.053978	0.24434	0.148766	0.00126	0.139373	0.00254	-0.0499	0.28188	0.11499
0.10099	0.0291	0.16078	0.00049	0.169067	0.00024	0.174566	0.00015	0.193197
0.125145	0.00677	0.107894	0.01969	0.058372	0.20799	-0.06707	0.14786	0.052202
-0.15163	0.00101	-0.14736	0.00141	-0.14178	0.00213	-0.08266	0.07432	-0.07875
-0.07844	0.09042	-0.09111	0.0491	-0.07117	0.12459	-0.05656	0.2225	0.085743
0.035963	0.43814	0.039666	0.39243	0.065544	0.15732	0.128187	0.00553	0.306387
0.071032	0.12532	0.167311	0.00028	0.166624	0.0003	0.091028	0.0493	0.13875
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0.000712	0.98776	0.178334	0.00011	0.090764	0.04997	0.101339	0.02854	0.23951
0.200032	1.33E-05	0.300461	3.37E-11	0.323251	8.07E-13	0.193708	2.50E-05	0.514909
0.054864	0.23668	0.064329	0.16518	0.044963	0.33228	0.14184	0.00212	0.174488
-0.1858	5.35E-05	-0.03085	0.50609	-0.14947	0.0012	-0.16262	0.00042	-0.10015
-0.07407	0.10991	0.038627	0.40495	0.03259	0.48232	0.045263	0.32905	0.232264
0.019807	0.66943	0.223208	1.10E-06	0.150984	0.00106	0.075171	0.10472	0.151798
-0.02782	0.54873	-0.03824	0.40963	-0.23624	2.41E-07	0.146484	0.0015	0.114234
-0.1791	9.96E-05	-0.04908	0.28988	-0.07411	0.10973	0.001993	0.96573	0.170519
0.060036	0.1953	0.232686	3.68E-07	0.087125	0.05993	0.133464	0.00386	0.371924
0.260633	1.09E-08	0.19087	3.30E-05	0.188309	4.22E-05	0.216398	2.36E-06	0.214843

0.022784	0.62335	0.297267	5.54E-11	0.192718	2.75E-05	0.199181	1.45E-05	0.107402
-0.09851	0.03332	0.039383	0.39581	-0.02552	0.58218	0.057165	0.21756	0.244746
-0.14722	0.00142	-0.13851	0.0027	-0.13947	0.00252	-0.05787	0.21189	0.064899
-0.21182	3.88E-06	0.024424	0.59856	-0.06052	0.19169	0.012868	0.78151	0.180706
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0.011624	0.80217	0.086459	0.06192	0.031108	0.50247	0.106815	0.02096	0.116201
0.311449	5.80E-12	0.518386	1.78E-33	0.355424	2.37E-15	0.328644	3.18E-13	0.573829
-0.21961	1.65E-06	-0.21392	3.09E-06	-0.1848	5.88E-05	-0.05324	0.25086	0.123016
-0.0723	0.11869	-0.10258	0.02665	-0.08022	0.08333	0.069371	0.13442	0.199734
0.11704	0.01137	0.176479	0.00013	0.203785	9.05E-06	-0.07708	0.09617	0.054267
0.25169	3.52E-08	0.450636	9.78E-25	0.28107	6.30E-10	0.270558	2.81E-09	0.518778
0.047517	0.30551	0.141763	0.00213	0.094665	0.04087	0.157873	0.00062	0.2776
0.000317	0.99454	0.174254	0.00015	0.163668	0.00038	0.051563	0.26612	0.165238
-0.07092	0.12593	0.09934	0.03185	0.059192	0.20166	0.075406	0.10364	0.213368
-0.02757	0.55231	0.124106	0.00725	-9.00E-05	0.99845	0.117261	0.01121	0.405731
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0.158444	0.00059	0.121644	0.0085	0.052814	0.25468	0.273968	1.74E-09	0.337471
-0.15541	0.00075	-0.17101	0.0002	-0.18034	8.89E-05	-0.04985	0.28233	-0.0548
-0.12898	0.00525	0.17774	0.00011	0.088821	0.0551	0.050279	0.27823	0.154432
-0.24279	1.08E-07	-0.11414	0.01359	-0.11462	0.01319	-0.05945	0.19968	-0.04668
-0.00887	0.84835	-0.06119	0.18681	-0.11648	0.01177	-0.01169	0.801	0.060321
0.089412	0.05349	0.295622	7.15E-11	0.277242	1.09E-09	0.231	4.49E-07	0.48755
0.381223	1.33E-17	0.437313	3.10E-23	0.215794	2.52E-06	0.263789	7.12E-09	0.43646
0.041225	0.37407	-0.11408	0.01364	-0.04487	0.33324	-0.17636	0.00013	-0.13299
-0.08579	0.06396	0.015073	0.74528	-0.05381	0.24579	0.092316	0.04617	0.060391
-0.21166	3.95E-06	-0.04645	0.31648	-0.11941	0.0098	-0.05662	0.22195	0.099575
0.1091	0.01835	0.130863	0.00462	0.122519	0.00804	0.014615	0.75276	0.011121
-0.01536	0.74062	0.152241	0.00097	0.052586	0.25674	0.092615	0.04546	0.290538
0.057468	0.21513	0.141509	0.00217	0.049132	0.28935	0.16083	0.00048	0.340321
0.055005	0.23547	0.27593	1.32E-09	0.130941	0.00459	0.149529	0.00119	0.419935
-0.29134	1.37E-10	-0.24969	4.55E-08	-0.27026	2.93E-09	-0.21226	3.70E-06	-0.16807
0.25759	1.63E-08	0.225981	8.04E-07	0.013896	0.76455	0.365843	3.09E-16	0.517342
0.153381	0.00088	0.092573	0.04556	0.103118	0.02586	0.049788	0.28295	-0.16511
-0.15651	0.00069	-0.02094	0.65175	-0.09672	0.03666	-0.00779	0.86658	-0.03275
-0.06261	0.17678	-0.04061	0.38122	0.004287	0.92638	0.054984	0.23565	0.094365
0.105031	0.02321	-0.00095	0.98365	0.036863	0.42675	0.085551	0.06472	0.244445
0.372107	8.77E-17	0.599455	6.74E-47	0.46089	6.16E-26	0.333767	1.29E-13	0.469765
0.076304	0.09957	0.016861	0.71629	0.038464	0.40694	0.130545	0.00472	0.334684
0.016014	0.72997	-0.09049	0.05067	-0.0096	0.83602	-0.13165	0.00438	0.069774
0.054938	0.23604	0.143718	0.00185	0.13623	0.00318	-0.01588	0.73214	0.127321
-0.03003	0.51739	-0.0458	0.3233	-0.08695	0.06045	0.039587	0.39337	0.127701
-0.31817	1.91E-12	-0.19095	3.27E-05	-0.23352	3.33E-07	-0.15407	0.00084	-0.15981
-0.2808	6.55E-10	-0.26857	3.70E-09	-0.24679	6.57E-08	-0.23403	3.13E-07	-0.20034
-0.06379	0.16874	0.034801	0.45309	-0.06869	0.13827	0.101654	0.02805	0.266261
0.050362	0.27743	-0.01187	0.7981	0.009745	0.83364	0.184579	6.00E-05	0.296776

0.032577	0.4825	0.031391	0.49858	0.185036	5.75E-05	-0.05784	0.2122	-0.23197
0.002125	0.96347	0.165536	0.00033	0.183591	6.59E-05	0.064924	0.16129	0.135
-0.20853	5.51E-06	-0.0508	0.27331	-0.12629	0.00628	-0.00245	0.95784	0.190444
0.1071	0.02062	0.053908	0.24495	0.107406	0.02026	0.020314	0.66148	0.078777
0.481605	1.72E-28	0.527001	9.80E-35	0.377756	2.75E-17	0.342939	2.47E-14	0.602968
-0.16211	0.00044	-0.05048	0.27632	-0.02647	0.56831	-0.00888	0.8483	0.213148
0.042027	0.36485	-0.21402	3.06E-06	-0.0755	0.1032	-0.12308	0.00775	-0.23606
0.057743	0.21293	0.02734	0.55562	0.078954	0.08832	-0.1047	0.02365	0.103121
-0.05166	0.26518	-0.12373	0.00743	-0.08022	0.08331	-0.14394	0.00182	0.025817
-0.11315	0.01442	-0.06592	0.15492	-0.06339	0.17148	-0.08868	0.05548	0.196347
0.121637	0.00851	-0.0219	0.63691	-0.04009	0.38739	-0.01401	0.76268	0.001058
-0.0497	0.2838	0.127657	0.00573	0.083241	0.07231	0.072173	0.11935	0.286912
-0.05403	0.24393	0.012396	0.78933	-0.07621	0.09999	0.015361	0.74059	0.027909
-0.11643	0.01181	-0.0125	0.78755	-0.20559	7.50E-06	0.00984	0.83204	0.011572
0.229112	5.60E-07	0.393972	8.63E-19	0.27294	2.01E-09	0.200963	1.21E-05	0.43546
-0.18836	4.20E-05	-0.04247	0.35976	-0.15858	0.00058	0.01444	0.75563	0.179844
-0.14774	0.00137	-0.20317	9.65E-06	-0.17768	0.00011	-0.10994	0.01747	0.185339
0.065253	0.15917	0.211552	3.99E-06	0.179513	9.59E-05	0.081155	0.07978	0.193855
0.328886	3.05E-13	0.26639	5.00E-09	0.120564	0.00911	0.184564	6.01E-05	0.421719
0.186824	4.86E-05	0.158108	0.00061	0.096421	0.03726	0.237886	1.97E-07	0.365281
-0.09835	0.0336	0.033299	0.47284	-0.01667	0.71934	-0.01191	0.79733	0.190329
-0.24336	1.01E-07	0.006158	0.89441	-0.05169	0.26491	-0.02742	0.55449	0.172482
0.07118	0.12453	0.255831	2.05E-08	0.151794	0.001	0.113314	0.01428	0.340005
-0.09394	0.04246	0.079803	0.08495	-0.0806	0.08186	0.088819	0.05511	0.292458
0.417283	4.22E-21	0.476647	7.30E-28	0.311619	5.64E-12	0.36899	1.65E-16	0.583309
-0.027	0.56053	0.138996	0.00261	0.038077	0.41167	0.088918	0.05483	0.341839
0.337133	7.09E-14	0.400036	2.25E-19	0.317489	2.14E-12	0.158032	0.00061	0.239188
0.2697	3.17E-09	0.343979	2.04E-14	0.234114	3.10E-07	0.126881	0.00604	0.328995
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0.19499	2.20E-05	0.29531	7.50E-11	0.230887	4.55E-07	0.090882	0.04967	0.310502
-0.04668	0.31409	0.135896	0.00326	0.073748	0.11147	0.077001	0.09651	0.207119
0.288542	2.09E-10	0.433876	7.37E-23	0.26465	6.33E-09	0.341331	3.31E-14	0.484077
0.009165	0.84341	-0.15534	0.00076	-0.12978	0.00497	0.051802	0.26391	0.05208
-0.13651	0.00312	0.011707	0.8008	-0.00267	0.95409	-0.00614	0.89476	0.210091
0.469391	5.79E-27	0.424079	8.27E-22	0.461651	5.00E-26	0.320236	1.35E-12	0.352001
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0.187211	4.68E-05	0.460699	6.49E-26	0.340388	3.93E-14	0.362087	6.50E-16	0.431305
-0.01971	0.67101	0.133759	0.00378	0.09998	0.03076	0.043438	0.34895	0.204764
-0.07873	0.08923	-0.30924	8.31E-12	-0.15794	0.00061	-0.17048	0.00021	-0.1585
0.245171	8.05E-08	0.446306	3.06E-24	0.323438	7.82E-13	0.22288	1.15E-06	0.269282
0.051744	0.26444	0.17431	0.00015	0.078315	0.09094	0.154921	0.00078	0.474845
-0.29657	6.17E-11	-0.29996	3.64E-11	-0.32775	3.72E-13	-0.15372	0.00086	-0.08403
-0.05205	0.26159	-0.02846	0.53954	-0.03942	0.39542	0.001445	0.97516	0.036234
-0.06405	0.16705	-0.06958	0.13326	-0.30287	2.31E-11	0.073834	0.11106	0.275542
-0.06068	0.19055	0.054239	0.24206	-0.00675	0.88441	-0.16574	0.00032	0.112212

0.105058	0.02318	-0.093	0.04457	0.009846	0.83194	0.074961	0.10569	0.029519
0.133383	0.00388	0.370159	1.30E-16	0.349977	6.67E-15	0.119449	0.00978	0.249531
6.57E-06	0.99989	0.030711	0.50793	0.007087	0.87861	0.014751	0.75053	0.105828
0.148622	0.00128	0.229825	5.15E-07	0.271516	2.46E-09	0.107516	0.02013	0.073837
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-0.05989	0.19642	-0.00956	0.83682	-0.02715	0.55837	-0.03202	0.49002	0.019427
-0.07463	0.10723	-0.08595	0.06348	-0.04127	0.37354	-0.11342	0.01419	0.037764
0.07341	0.11313	-0.04423	0.34018	0.058071	0.21035	-0.00116	0.97998	-0.22266
0.05127	0.26885	0.155279	0.00076	0.121255	0.00872	0.066951	0.14858	0.129006
0.107936	0.01964	0.1353	0.00339	0.121322	0.00868	0.059108	0.2023	0.143406
0.138796	0.00265	0.211106	4.19E-06	0.175519	0.00014	-0.06802	0.14222	0.204458
0.062563	0.17711	-0.05047	0.27637	-0.06819	0.14117	0.063277	0.17221	-0.1808
-0.14381	0.00184	0.042616	0.35815	0.058375	0.20796	-0.02907	0.53095	0.215095
0.162161	0.00043	-0.04838	0.29676	0.011164	0.80984	0.161081	0.00047	0.108539
0.086228	0.06262	0.025502	0.58251	0.024226	0.60153	-0.01515	0.74408	-0.16402
-0.22202	1.26E-06	0.020438	0.65956	-0.05624	0.22511	-0.00537	0.90785	0.207123
-0.04456	0.3366	0.094088	0.04212	0.03044	0.51169	0.077408	0.09475	0.328392
0.080803	0.0811	0.121003	0.00886	0.232175	3.91E-07	-0.00637	0.89077	-0.04863
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0.114538	0.01326	0.192927	2.70E-05	0.266017	5.26E-09	0.028133	0.54421	0.164773
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0.383481	8.28E-18	0.561722	3.44E-40	0.440402	1.41E-23	0.289358	1.85E-10	0.392976
0.297923	5.01E-11	0.296602	6.14E-11	0.275616	1.38E-09	0.329029	2.98E-13	0.522288
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0.048145	0.29916	0.224701	9.31E-07	0.123185	0.0077	0.143037	0.00194	0.38241
-0.11732	0.01117	-0.29108	1.43E-10	-0.23705	2.18E-07	-0.11658	0.0117	-0.15537
0.35256	4.09E-15	0.471709	3.00E-27	0.258866	1.38E-08	0.183858	6.42E-05	0.427976
0.275577	1.39E-09	0.482102	1.49E-28	0.408214	3.52E-20	0.2416	1.25E-07	0.417351
0.034091	0.46237	0.199405	1.42E-05	0.091424	0.04832	0.143748	0.00184	0.356136
-0.03618	0.43543	0.110884	0.01652	0.04298	0.35406	0.091861	0.04726	0.29474
0.008029	0.86262	-0.09747	0.03523	-0.09384	0.04268	0.013013	0.77911	0.0884
0.073005	0.11514	0.291751	1.29E-10	0.142481	0.00202	0.220148	1.56E-06	0.475895
-0.02136	0.64521	-0.14176	0.00213	0.002679	0.95396	-0.048	0.30061	1.70E-05
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-0.11432	0.01343	0.072268	0.11886	-0.0211	0.64923	0.02984	0.52006	0.272189
-0.2538	2.68E-08	-0.1996	1.39E-05	-0.22816	6.25E-07	-0.13895	0.00262	-0.04938
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0.049867	0.28219	0.093061	0.04443	0.231507	4.23E-07	-0.00584	0.89976	0.017376
0.279469	7.94E-10	0.378719	2.25E-17	0.128216	0.00552	0.358145	1.40E-15	0.493971
-0.08899	0.05465	-0.02154	0.64242	-0.03049	0.51095	0.084993	0.06649	0.251756
0.361682	7.04E-16	0.380468	1.56E-17	0.397435	4.02E-19	0.254518	2.44E-08	0.486613
-0.02088	0.65265	0.191869	2.99E-05	0.069271	0.13498	0.100129	0.03051	0.332255
0.017246	0.7101	0.248698	5.16E-08	0.167623	0.00027	0.235044	2.78E-07	0.470683
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-0.0365	0.43132	0.177331	0.00012	-0.0292	0.52907	-0.0007	0.98804	0.026137
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0.155638	0.00074	-0.10255	0.02669	-0.01808	0.6967	0.109899	0.01751	-0.04865
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0.146774	0.00147	0.073967	0.11041	0.023134	0.61803	0.08803	0.05731	0.13255
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0.265709	5.48E-09	0.488287	2.37E-29	0.432237	1.11E-22	0.132984	0.00399	0.182002
0.10353	0.02527	0.366295	2.83E-16	0.108829	0.01865	0.231054	4.46E-07	0.42275
0.037569	0.41795	0.229062	5.63E-07	0.071856	0.12098	0.094356	0.04154	0.223292
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0.332543	1.61E-13	0.500796	5.13E-31	0.297383	5.44E-11	0.302947	2.28E-11	0.489317
0.242376	1.14E-07	0.38333	8.54E-18	0.198581	1.54E-05	0.172503	0.00018	0.475361
0.316573	2.49E-12	0.426074	5.09E-22	0.366931	2.49E-16	0.143634	0.00186	0.444735
-0.26425	6.69E-09	-0.24135	1.29E-07	-0.37212	8.74E-17	-0.0363	0.43382	-0.08467
0.288782	2.02E-10	0.214123	3.03E-06	0.206062	7.14E-06	0.192646	2.77E-05	0.108707
0.045187	0.32987	0.163571	0.00039	0.092334	0.04612	0.139589	0.0025	0.383059
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0.227423	6.81E-07	0.071401	0.12336	0.189724	3.68E-05	0.136801	0.00305	-0.03341
0.222327	1.22E-06	0.328192	3.44E-13	0.200268	1.30E-05	0.108798	0.01868	0.122353
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0.092891	0.04482	0.209768	4.83E-06	0.165043	0.00034	0.021226	0.6473	0.250137
-0.00042	0.99271	0.146989	0.00145	0.092303	0.0462	0.122572	0.00801	0.32628
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0.110626	0.01678	0.13474	0.00353	0.099563	0.03146	0.058433	0.20751	0.092636
0.703014	7.75E-71	0.5764	1.07E-42	0.455786	2.47E-25	0.816867	#####	0.517253
0.41585	5.93E-21	0.385357	5.56E-18	0.335581	9.36E-14	0.645252	2.44E-56	0.528109
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0.360233	9.34E-16	0.232901	3.59E-07	0.18788	4.39E-05	0.725899	1.34E-77	0.37537
0.562759	2.31E-40	0.625542	4.40E-52	0.530833	2.63E-35	0.683035	1.92E-65	0.48948
0.282075	5.44E-10	0.177992	0.00011	0.108807	0.01867	0.625911	3.69E-52	0.305986
0.408759	3.10E-20	0.519334	1.30E-33	0.306706	1.25E-11	0.759446	7.39E-89	0.558403
0.213955	3.08E-06	-0.01452	0.75436	-0.12986	0.00494	0.617343	2.12E-50	0.152286
0.43919	1.92E-23	0.369382	1.52E-16	0.148961	0.00124	0.822153	#####	0.496573
0.225434	8.56E-07	0.067892	0.14294	-0.0574	0.21568	0.705216	1.85E-71	0.197562
0.255934	2.03E-08	0.265807	5.41E-09	0.384641	6.47E-18	0.593176	1.01E-45	0.259223
0.664358	8.92E-61	0.633669	8.43E-54	0.415647	6.22E-21	0.903238	#####	0.571075
0.394999	6.89E-19	0.422307	1.27E-21	0.101172	0.02881	0.81409	#####	0.538794
0.515006	5.42E-33	0.668251	1.01E-61	0.53394	8.94E-36	0.720538	5.91E-76	0.544368
0.401772	1.53E-19	0.516956	2.85E-33	0.391267	1.56E-18	0.752987	1.50E-86	0.634474
0.393937	8.70E-19	0.370806	1.14E-16	0.336379	8.11E-14	0.625903	3.70E-52	0.253855

0.44948	1.33E-24	0.459623	8.71E-26	0.369315	1.54E-16	0.7141	4.97E-74	0.558424
0.178494	0.00011	0.268984	3.50E-09	0.182488	7.30E-05	0.624529	7.15E-52	0.330922
0.289468	1.82E-10	0.019458	0.67492	-7.71E-05	0.99867	0.601571	2.67E-47	0.313222
0.567942	3.09E-41	0.492672	6.30E-30	0.483134	1.10E-28	0.74097	1.93E-82	0.440244
0.159764	0.00053	0.039208	0.39792	-0.18373	6.50E-05	0.645134	2.59E-56	0.260716
0.239407	1.64E-07	0.519255	1.33E-33	0.4339	7.33E-23	0.655444	1.15E-58	0.325484
0.11154	0.01589	0.168606	0.00025	-0.00435	0.92528	0.662084	3.13E-60	0.408315
0.243208	1.03E-07	0.060297	0.19335	0.00595	0.89796	0.677873	4.06E-64	0.236163
0.537878	2.24E-36	0.657237	4.39E-59	0.450675	9.68E-25	0.777481	1.05E-95	0.62319
0.261661	9.48E-09	0.357932	1.46E-15	0.083431	0.07166	0.752464	2.29E-86	0.52504
0.448538	1.70E-24	0.617897	1.64E-50	0.440581	1.35E-23	0.721429	3.17E-76	0.485925
0.456141	2.24E-25	0.225913	8.10E-07	0.034111	0.4621	0.627162	2.02E-52	0.37926
0.562186	2.88E-40	0.530575	2.88E-35	0.338657	5.38E-14	0.774028	2.40E-94	0.438841
0.434039	7.08E-23	0.505293	1.24E-31	0.368295	1.89E-16	0.818242	#####	0.522128
0.462096	4.42E-26	0.700751	3.33E-70	0.583218	6.64E-44	0.688512	7.06E-67	0.368902
0.184238	6.20E-05	-0.02462	0.59569	-0.04947	0.28604	0.557186	1.93E-39	0.14119
0.51368	8.36E-33	0.648319	4.97E-57	0.46384	2.73E-26	0.823569	#####	0.638009
0.377504	2.89E-17	0.478874	3.83E-28	0.446325	3.04E-24	0.544664	1.98E-37	0.393355
0.47058	4.14E-27	0.117949	0.01074	0.219293	1.71E-06	0.631013	3.11E-53	0.072837
0.479639	3.06E-28	0.533018	1.23E-35	0.372418	8.23E-17	0.770688	4.71E-93	0.522372
0.603222	1.29E-47	0.566109	6.31E-41	0.465601	1.68E-26	0.889142	#####	0.519856
0.185982	5.26E-05	0.315086	3.19E-12	0.165575	0.00033	0.492178	7.32E-30	0.327158
0.439574	1.74E-23	0.424919	6.74E-22	0.261231	1.00E-08	0.694099	2.25E-68	0.440969
0.283836	4.20E-10	0.410358	2.14E-20	0.198968	1.48E-05	0.694982	1.29E-68	0.564638
0.325962	5.07E-13	0.200269	1.30E-05	0.073806	0.11119	0.59995	5.43E-47	0.267952
0.201489	1.15E-05	0.16227	0.00043	0.180053	9.13E-05	0.586558	1.66E-44	0.373697
0.511166	1.89E-32	0.619707	7.01E-51	0.570379	1.18E-41	0.758073	2.32E-88	0.511355
0.571928	6.41E-42	0.263285	7.62E-09	0.174376	0.00015	0.760501	3.05E-89	0.407183
0.328268	3.40E-13	0.340515	3.84E-14	0.102555	0.02668	0.622779	1.64E-51	0.362247
0.552457	1.13E-38	0.680202	1.03E-64	0.468908	6.64E-27	0.880286	#####	0.696053
0.48796	2.61E-29	0.677184	6.07E-64	0.588688	6.80E-45	0.678542	2.74E-64	0.530683
0.548871	4.26E-38	0.428927	2.52E-22	0.443479	6.38E-24	0.77884	3.00E-96	0.396434
0.329439	2.77E-13	0.221743	1.30E-06	0.194459	2.32E-05	0.579765	2.74E-43	0.159711
0.068335	0.14035	0.286207	2.96E-10	0.351488	5.02E-15	0.094742	0.04071	0.144077
0.059421	0.19991	0.167902	0.00027	0.198751	1.51E-05	0.013093	0.77779	0.068421
0.071036	0.12529	0.215637	2.56E-06	0.232755	3.65E-07	0.079806	0.08493	0.127071
0.037434	0.41963	0.089415	0.05349	0.085732	0.06415	0.003538	0.93922	0.023057
-0.01446	0.75523	0.129743	0.00498	0.170822	0.00021	-0.01938	0.67613	0.042491
0.024944	0.5908	0.177619	0.00011	0.190543	3.40E-05	0.092533	0.04565	0.131979
0.021657	0.64063	0.314191	3.70E-12	0.316411	2.56E-12	0.044221	0.34032	0.096705
0.102325	0.02703	0.247605	5.92E-08	0.305774	1.45E-11	0.031087	0.50276	0.080066
0.06765	0.14438	0.222224	1.23E-06	0.260303	1.14E-08	0.062772	0.17567	0.133362
0.057504	0.21484	0.217469	2.10E-06	0.262675	8.28E-09	0.01933	0.67694	0.113204
-0.02666	0.56554	0.059135	0.20209	0.054645	0.23855	-0.02866	0.53672	0.101747
0.081837	0.07727	0.200767	1.23E-05	0.204938	8.03E-06	0.081422	0.07879	0.133038

0.010104	0.82761	0.232745	3.65E-07	0.281043	6.32E-10	0.046904	0.3118	0.101599
-0.0126	0.78598	0.111089	0.01632	0.166045	0.00031	-0.02659	0.56647	0.025971
0.067521	0.14514	0.244858	8.37E-08	0.31319	4.36E-12	0.039415	0.39543	0.098207
0.101935	0.02762	0.202325	1.05E-05	0.223663	1.05E-06	0.058913	0.20379	0.084337
0.252931	3.00E-08	0.395302	6.44E-19	0.347509	1.06E-14	0.2534	2.82E-08	0.333033
0.040192	0.38617	0.268762	3.61E-09	0.312121	5.20E-12	0.080302	0.08301	0.153376
0.049618	0.2846	0.147393	0.0014	0.159791	0.00053	-0.00873	0.85077	0.014356
-0.01389	0.76461	0.104112	0.02445	0.147127	0.00143	-0.0136	0.76936	0.051201
-0.01508	0.74514	0.10502	0.02323	0.179822	9.33E-05	-0.07622	0.09994	0.0378
0.020159	0.66391	0.152748	0.00093	0.276661	1.19E-09	-0.02566	0.58017	0.021651
-0.02925	0.5283	0.139201	0.00257	0.177313	0.00012	-0.09065	0.05027	-0.00575
0.005394	0.90746	0.211405	4.06E-06	0.221303	1.37E-06	0.051996	0.26212	0.159013
0.074409	0.10829	0.163375	0.00039	0.284639	3.74E-10	-0.03467	0.45484	-0.03319
0.10479	0.02353	0.29293	1.08E-10	0.354857	2.64E-15	0.068308	0.1405	0.129734
0.070854	0.12627	0.222712	1.17E-06	0.281504	5.91E-10	0.050871	0.2726	0.077101
0.182208	7.49E-05	0.408624	3.20E-20	0.291412	1.36E-10	0.139597	0.0025	0.140201
0.065979	0.15458	0.227422	6.81E-07	0.281462	5.95E-10	0.006068	0.89594	0.085416
-0.09692	0.03627	0.031493	0.49719	0.107677	0.01994	-0.05091	0.27219	-0.05006
0.073657	0.11192	0.111179	0.01623	0.15431	0.00082	0.009254	0.84192	0.031248
0.031807	0.49291	0.227262	6.94E-07	0.224087	9.99E-07	-0.00097	0.98336	0.100315
0.002213	0.96195	0.040123	0.38699	0.16253	0.00042	-0.00865	0.85216	-0.0623
0.033958	0.46412	0.258349	1.48E-08	0.295013	7.85E-11	0.055744	0.22923	0.141373
0.08207	0.07643	0.328151	3.47E-13	0.325064	5.92E-13	0.100148	0.03048	0.106031
0.053493	0.24862	0.129167	0.00518	0.148543	0.00128	0.078836	0.0888	0.092387
0.104218	0.0243	0.284797	3.65E-10	0.281859	5.62E-10	0.104901	0.02338	0.207062
-0.00272	0.95325	0.199169	1.45E-05	0.181135	8.27E-05	0.10522	0.02296	0.168578
0.078437	0.09044	0.262105	8.94E-09	0.315477	2.99E-12	0.097957	0.03432	0.1379
0.169103	0.00024	0.212154	3.74E-06	0.174045	0.00016	0.054001	0.24415	0.070707
0.096635	0.03683	0.282106	5.42E-10	0.349195	7.73E-15	0.061187	0.18685	0.1304
0.074973	0.10564	0.243291	1.02E-07	0.291248	1.39E-10	0.043786	0.3451	0.119891
0.021201	0.64768	0.107498	0.02015	0.157924	0.00061	-0.0326	0.48213	0.050257
0.071103	0.12494	0.225211	8.78E-07	0.271927	2.32E-09	0.038092	0.41149	0.123289
0.009193	0.84294	0.180517	8.75E-05	0.261313	9.94E-09	-0.03269	0.48101	0.061066
0.007907	0.86469	0.112719	0.0148	0.171171	0.0002	0.009697	0.83446	0.031466
0.01951	0.6741	0.175822	0.00013	0.202119	1.07E-05	0.008288	0.85823	0.106403
-0.01033	0.82387	0.193436	2.57E-05	0.253563	2.76E-08	-0.00485	0.91678	0.03451
0.116918	0.01145	0.144369	0.00176	0.143682	0.00185	-0.03029	0.51385	-0.02311
0.043111	0.35259	0.057077	0.21827	0.055402	0.2321	-0.07097	0.12567	-0.05803
0.041092	0.37562	0.178124	0.00011	0.209756	4.84E-06	0.017052	0.71322	0.073784
0.059547	0.19896	0.20566	7.45E-06	0.205525	7.56E-06	0.026313	0.57057	0.109456
-0.02534	0.58494	0.162255	0.00043	0.160676	0.00049	-0.00409	0.92974	0.079642
0.229467	5.37E-07	0.403987	9.24E-20	0.437759	2.77E-23	0.16075	0.00049	0.161731
-0.01517	0.74375	0.067609	0.14462	0.082022	0.0766	0.008701	0.85124	0.07956
-0.01859	0.6887	0.145805	0.00158	0.171576	0.00019	0.016717	0.71862	0.058668
-0.01978	0.66984	0.101484	0.02832	0.18452	6.04E-05	-0.04862	0.2944	0.013041

0.105167	0.02303	0.362882	5.56E-16	0.432689	9.92E-23	0.107537	0.0201	0.188489
0.016171	0.72743	0.253362	2.83E-08	0.306745	1.24E-11	0.016169	0.72746	0.104072
0.007076	0.87878	0.150229	0.00113	0.125805	0.00648	0.051618	0.26561	0.070878
-0.00041	0.99292	0.053204	0.25119	0.045236	0.32934	-0.03966	0.39248	0.039951
0.080967	0.08048	-0.02637	0.56973	0.073795	0.11124	-0.03739	0.42012	0.037234
0.003031	0.94792	0.18975	3.67E-05	0.237111	2.17E-07	-0.04726	0.30817	0.057753
0.070482	0.12828	0.299702	3.80E-11	0.388504	2.83E-18	0.0734	0.11318	0.132634
0.075802	0.10183	0.215386	2.64E-06	0.245322	7.89E-08	0.071122	0.12483	0.047058
-0.07922	0.08724	-0.0559	0.22795	0.055155	0.2342	-0.06379	0.16872	-0.12915
0.066362	0.15219	0.121642	0.0085	0.16795	0.00027	-0.13186	0.00431	-0.04311
0.086518	0.06174	0.276106	1.29E-09	0.317772	2.04E-12	0.037249	0.42193	0.096306
0.000447	0.99231	0.070553	0.12789	0.151637	0.00101	-0.07795	0.09248	-0.0858
0.074826	0.10632	0.187686	4.48E-05	0.212283	3.69E-06	0.02857	0.53798	0.135789
-0.02068	0.65572	0.068449	0.13969	0.091961	0.04701	-0.04515	0.33023	0.07007
0.067278	0.1466	0.256702	1.83E-08	0.33021	2.42E-13	0.0388	0.40285	0.107307
0.001868	0.96789	0.077898	0.09268	0.169726	0.00023	0.002836	0.95126	-0.02756
0.004252	0.92698	0.119394	0.00981	0.190386	3.46E-05	0.052804	0.25477	0.062761
0.059243	0.20127	0.225882	8.13E-07	0.258433	1.46E-08	0.103917	0.02472	0.129457
0.084049	0.06958	0.301687	2.78E-11	0.376089	3.88E-17	0.114755	0.01309	0.16504
0.090159	0.05152	0.29036	1.59E-10	0.346848	1.20E-14	0.090606	0.05037	0.150581
0.012276	0.79133	0.097767	0.03467	0.152522	0.00094	-0.05817	0.20955	0.038775
0.018024	0.69765	0.166406	0.0003	0.2116	3.97E-06	-0.03857	0.40562	0.070973
0.065066	0.16037	0.220226	1.54E-06	0.234535	2.95E-07	0.030533	0.51041	0.087914
0.024342	0.59979	0.163556	0.00039	0.229776	5.18E-07	-0.00258	0.95567	0.024132
0.074516	0.10778	0.17319	0.00017	0.186531	5.00E-05	0.110628	0.01677	0.181162
0.038937	0.40119	0.174263	0.00015	0.221593	1.32E-06	0.027761	0.54955	0.085874
0.035552	0.4434	0.146797	0.00147	0.225489	8.51E-07	0.029315	0.52743	0.06208
0.1374	0.00293	0.233039	3.53E-07	0.293059	1.06E-10	0.054283	0.24169	0.083258
0.008456	0.85539	0.23857	1.82E-07	0.180825	8.51E-05	-0.01996	0.66698	0.047493
0.102367	0.02696	0.183742	6.49E-05	0.199524	1.40E-05	0.068023	0.14217	0.079573
-0.01739	0.70781	0.105865	0.02213	0.178594	0.0001	-0.04352	0.34802	-0.00089
0.013292	0.77451	0.045956	0.32169	0.070223	0.12969	-0.11126	0.01616	-0.02437
-0.08491	0.06674	0.065196	0.15954	0.123902	0.00735	-0.04039	0.38381	0.03564
0.050935	0.272	0.202697	1.01E-05	0.266029	5.25E-09	-0.01884	0.68467	0.063325
0.056854	0.22008	0.248612	5.21E-08	0.297687	5.19E-11	0.056146	0.22588	0.11827
0.06007	0.19504	0.213779	3.14E-06	0.272262	2.21E-09	0.063052	0.17375	0.107456
-0.03549	0.44425	0.047593	0.30474	0.085998	0.06333	-0.09802	0.0342	0.031321
0.037096	0.42384	0.004712	0.91911	0.082947	0.07333	-0.06779	0.14357	-0.00869
0.00663	0.88637	0.179152	9.91E-05	0.219685	1.64E-06	-0.00356	0.93892	0.095928
-0.01008	0.82796	0.112861	0.01468	0.169515	0.00023	0.054187	0.24252	0.053474
0.045813	0.32321	0.179159	9.91E-05	0.216321	2.38E-06	0.002953	0.94926	0.088863
-0.03023	0.5146	0.076273	0.09971	0.122106	0.00825	-0.088	0.0574	-0.01265
0.059652	0.19817	0.131816	0.00433	0.20642	6.88E-06	0.016954	0.71479	0.021021
-0.11806	0.01067	0.028047	0.54544	0.079762	0.0851	-0.03008	0.51674	-0.03218
0.09064	0.05029	0.192842	2.72E-05	0.23256	3.73E-07	0.058921	0.20373	0.093103

-0.00079	0.98637	0.180512	8.76E-05	0.253968	2.62E-08	0.002049	0.96478	0.066292
-0.05301	0.25287	0.146202	0.00153	0.208883	5.31E-06	0.004088	0.9298	0.046321
0.049965	0.28124	0.261331	9.91E-09	0.288939	1.97E-10	-0.00029	0.99496	0.076815
0.077497	0.09438	0.19966	1.38E-05	0.21404	3.05E-06	0.0626	0.17685	0.116379
-0.02367	0.60995	0.133471	0.00386	0.180419	8.83E-05	-0.03298	0.47711	0.06498
-0.03347	0.47061	0.138351	0.00273	0.150677	0.00109	0.002335	0.95987	0.09052
0.075176	0.10469	0.220182	1.55E-06	0.272111	2.26E-09	0.017517	0.70576	0.035117
0.118431	0.01042	0.209577	4.93E-06	0.269038	3.47E-09	0.116778	0.01155	0.149049
-0.19319	2.63E-05	-0.01128	0.80791	0.008652	0.85207	-0.08957	0.05308	-0.0223
0.067362	0.1461	0.269762	3.14E-09	0.339748	4.42E-14	0.051721	0.26466	0.132389
0.068401	0.13997	0.211355	4.08E-06	0.246316	6.97E-08	0.048212	0.29849	0.112729
0.198075	1.62E-05	0.169935	0.00022	0.189165	3.89E-05	0.110407	0.017	0.066278
-0.00461	0.9208	0.126517	0.00619	0.168701	0.00025	-0.00834	0.85743	0.075728
0.018486	0.69029	0.173658	0.00016	0.230655	4.67E-07	0.005029	0.91368	0.052337
0.067311	0.1464	0.244432	8.82E-08	0.297483	5.36E-11	0.066141	0.15357	0.138629
-0.09932	0.03188	-0.07901	0.08811	-0.01975	0.67033	-0.12959	0.00503	-0.11875
0.048767	0.29295	0.21504	2.74E-06	0.266594	4.86E-09	0.01748	0.70635	0.107139
0.006525	0.88817	0.129546	0.00505	0.195798	2.03E-05	-0.0094	0.83948	0.05879
-0.01711	0.71227	0.171479	0.0002	0.204909	8.06E-06	0.00262	0.95497	0.120427
-0.05351	0.24844	0.120482	0.00916	0.155575	0.00074	-0.03094	0.50474	0.029379
-0.03838	0.408	0.126593	0.00616	0.134952	0.00348	-0.0196	0.67264	0.089396
0.036147	0.4358	0.203457	9.36E-06	0.224767	9.24E-07	0.013879	0.76484	0.112639
0.092797	0.04504	0.324436	6.59E-13	0.421239	1.64E-21	0.052535	0.25721	0.146109
0.192148	2.91E-05	0.231581	4.19E-07	0.221778	1.30E-06	0.124069	0.00727	0.131115
0.057956	0.21125	0.282632	5.02E-10	0.346005	1.40E-14	0.077418	0.09471	0.135186
0.045639	0.32505	0.212322	3.68E-06	0.272446	2.16E-09	0.000265	0.99544	0.091292
-0.09468	0.04083	0.035244	0.44736	0.037147	0.42321	-0.08387	0.07017	-0.02677
0.088799	0.05516	0.249713	4.53E-08	0.345123	1.65E-14	0.014417	0.75601	0.072928
0.010984	0.81286	0.183233	6.81E-05	0.275676	1.37E-09	0.019657	0.67179	0.088951
0.075751	0.10206	0.128722	0.00534	0.231142	4.41E-07	-0.02381	0.60774	0.09311
-0.05827	0.20878	0.058558	0.20654	0.097941	0.03435	-0.07409	0.10983	-0.03494
0.000259	0.99554	0.170573	0.00021	0.236036	2.47E-07	-0.02218	0.63256	0.066846
-0.03913	0.39885	0.117678	0.01093	0.153728	0.00086	-0.04779	0.30272	0.010195
0.086331	0.0623	0.310672	6.59E-12	0.402966	1.16E-19	0.108242	0.0193	0.136187
-0.0004	0.99309	0.192018	2.95E-05	0.278028	9.77E-10	0.012662	0.78493	0.038183
-0.03563	0.44242	0.126591	0.00616	0.129762	0.00498	0.089236	0.05397	0.160242
0.034467	0.45745	0.24826	5.45E-08	0.30453	1.77E-11	0.043287	0.35063	0.129318
0.029339	0.52709	0.152271	0.00096	0.24306	1.05E-07	0.013262	0.775	0.030193
-0.01932	0.67712	0.084539	0.06796	0.134116	0.00369	-0.06061	0.19102	0.026159
-0.00253	0.95659	0.108854	0.01862	0.162958	0.00041	-0.05901	0.20303	-0.01111
0.014959	0.74713	0.150682	0.00109	0.242877	1.07E-07	-0.0899	0.05221	-0.02033
-0.01193	0.79711	0.137758	0.00285	0.189037	3.93E-05	-0.02586	0.57728	0.038824
-0.03996	0.38895	0.095087	0.03998	0.171269	0.0002	-0.06699	0.14832	0.009548
0.101909	0.02766	0.318625	1.77E-12	0.389305	2.38E-18	0.074117	0.10969	0.15575
0.035275	0.44696	0.155081	0.00077	0.184954	5.80E-05	-0.02864	0.53696	0.095561

0.025469	0.583	0.116937	0.01144	0.171771	0.00019	0.004833	0.91704	0.028048
-0.05409	0.24341	0.011048	0.81179	0.104554	0.02385	-0.14598	0.00156	-0.0885
0.023235	0.61649	0.154826	0.00079	0.220923	1.43E-06	-0.06354	0.17043	0.014362
0.048268	0.29793	0.191358	3.14E-05	0.236433	2.35E-07	-0.01154	0.80352	0.089617
0.047316	0.30757	0.16516	0.00034	0.203271	9.54E-06	-0.02369	0.6096	0.042625
0.023263	0.61606	0.184119	6.27E-05	0.232213	3.89E-07	0.005667	0.90279	0.113682
0.064908	0.1614	0.269767	3.14E-09	0.327374	3.97E-13	0.102766	0.02637	0.147749
-0.0174	0.70769	0.075506	0.10318	0.171399	0.0002	-0.04699	0.31088	-0.02711
0.036523	0.43104	0.225957	8.06E-07	0.283608	4.35E-10	0.038016	0.41242	0.115633
0.018806	0.68522	0.162805	0.00041	0.234628	2.92E-07	-0.01852	0.68976	0.057666
0.076924	0.09684	0.15568	0.00074	0.217846	2.01E-06	-0.04781	0.30255	0.067176
0.072875	0.11579	0.240362	1.46E-07	0.287836	2.33E-10	0.033465	0.47063	0.131045
-0.00289	0.9503	0.180593	8.69E-05	0.198462	1.56E-05	0.040767	0.37941	0.082349
0.089409	0.0535	0.22545	8.55E-07	0.264466	6.50E-09	0.078515	0.09011	0.118529
-0.00971	0.8343	0.001154	0.98016	0.021616	0.64127	-0.11999	0.00945	-0.03154
0.089059	0.05445	0.301264	2.97E-11	0.356431	1.95E-15	0.053019	0.25283	0.131001
-0.0778	0.09307	0.060643	0.19081	0.142817	0.00198	-0.08523	0.06572	-0.0361
0.072741	0.11646	0.223784	1.03E-06	0.311425	5.83E-12	0.050027	0.28064	0.086243
0.054818	0.23707	0.232003	3.99E-07	0.270877	2.69E-09	0.077909	0.09263	0.147208
0.067264	0.14668	0.238827	1.76E-07	0.286179	2.98E-10	0.06529	0.15894	0.138329
0.009757	0.83344	0.135549	0.00334	0.190106	3.55E-05	-0.01049	0.82117	0.062619
0.111378	0.01604	0.330136	2.45E-13	0.398467	3.20E-19	0.102897	0.02618	0.143282
0.004288	0.92637	0.138298	0.00274	0.14962	0.00118	0.012563	0.78656	0.097924
0.048268	0.29792	0.27423	1.68E-09	0.352615	4.05E-15	0.054397	0.24069	0.139198
0.011033	0.81204	0.16737	0.00028	0.198355	1.57E-05	-0.00724	0.876	0.085237
-0.00118	0.97979	0.148241	0.00131	0.167159	0.00029	0.036012	0.43752	0.089584
0.052787	0.25492	0.266767	4.74E-09	0.322712	8.85E-13	0.069077	0.13608	0.135253
0.024662	0.595	0.15787	0.00062	0.278812	8.73E-10	-0.06083	0.18946	-0.00248
0.018444	0.69097	0.314898	3.29E-12	0.316617	2.47E-12	0.029693	0.52211	0.134221
0.037531	0.41842	0.246572	6.75E-08	0.315303	3.08E-12	-0.00229	0.9606	0.07887
0.044005	0.34269	0.200569	1.26E-05	0.246202	7.07E-08	-0.00243	0.95824	0.084372
-0.05852	0.20681	0.11329	0.0143	0.124393	0.00711	-0.00079	0.98645	0.093493
-0.01052	0.82065	0.118028	0.01069	0.170315	0.00022	-0.03293	0.47777	0.036889
0.054351	0.2411	0.238123	1.92E-07	0.2856	3.24E-10	0.047687	0.30378	0.117633
0.016685	0.71912	0.179932	9.23E-05	0.241623	1.25E-07	-0.02156	0.64208	0.047853
0.068786	0.13774	0.251834	3.45E-08	0.323681	7.50E-13	0.022067	0.63433	0.102266
0.021988	0.63554	0.177342	0.00012	0.237537	2.06E-07	-0.00151	0.97396	0.070504
0.059872	0.19652	0.267839	4.09E-09	0.340742	3.69E-14	0.061761	0.18274	0.120049
0.003251	0.94414	0.166555	0.0003	0.219455	1.68E-06	-0.00989	0.83113	0.066531
0.098352	0.0336	0.32982	2.59E-13	0.394615	7.50E-19	0.104369	0.0241	0.181398
0.041207	0.37429	0.135753	0.00329	0.16184	0.00045	-0.02209	0.634	0.078548
0.012693	0.78441	0.180372	8.87E-05	0.229401	5.41E-07	-0.00132	0.97738	0.090498
-0.03929	0.39689	0.12877	0.00532	0.157428	0.00064	-0.014	0.76289	0.064846
0.00623	0.89319	-0.0014	0.97594	0.100181	0.03042	-0.03076	0.50726	0.010677
-0.03054	0.51026	0.108845	0.01863	0.172171	0.00019	-0.04165	0.36917	0.011625

0.027373	0.55516	0.221293	1.37E-06	0.276586	1.20E-09	0.022592	0.62627	0.103366
0.074536	0.10769	0.259491	1.27E-08	0.345928	1.42E-14	0.05711	0.218	0.1017
0.011473	0.8047	0.157138	0.00065	0.181479	8.01E-05	0.042819	0.35587	0.075474
0.00078	0.98659	0.127065	0.00597	0.177647	0.00011	-0.02272	0.62438	0.03088
0.038094	0.41147	0.20768	6.03E-06	0.271436	2.49E-09	0.013622	0.76907	0.080609
-0.04472	0.33488	0.098848	0.03271	0.106304	0.02158	0.026377	0.56964	0.09012
-0.02732	0.55589	0.166269	0.00031	0.205629	7.47E-06	0.006361	0.89095	0.045042
0.042414	0.36044	0.215654	2.56E-06	0.25184	3.45E-08	0.04125	0.37379	0.124365
0.093584	0.04324	0.271162	2.58E-09	0.301102	3.05E-11	0.121344	0.00867	0.202035
0.055053	0.23506	0.185143	5.70E-05	0.210853	4.30E-06	0.060361	0.19288	0.152154
0.064522	0.16391	0.232816	3.62E-07	0.27547	1.41E-09	0.067521	0.14515	0.141066
-0.01673	0.71845	0.077131	0.09595	0.148799	0.00126	-0.01625	0.72618	-0.03082
0.033505	0.47011	0.231496	4.23E-07	0.288343	2.16E-10	0.058865	0.20417	0.120937
0.066727	0.14995	0.250039	4.35E-08	0.310131	7.19E-12	0.056183	0.22558	0.135253
0.070661	0.1273	0.244641	8.60E-08	0.293604	9.74E-11	0.071828	0.12113	0.135415
0.078106	0.09181	0.127069	0.00596	0.185343	5.59E-05	0.022369	0.6297	0.036692
0.03773	0.41595	0.213984	3.07E-06	0.258336	1.48E-08	0.026362	0.56986	0.114923
-0.02644	0.56878	0.064302	0.16535	0.076703	0.09781	-0.0101	0.8277	0.030554
0.0601	0.19482	0.253416	2.81E-08	0.320593	1.27E-12	0.033156	0.47474	0.119752
0.041566	0.37012	0.224952	9.05E-07	0.277441	1.06E-09	0.04717	0.30906	0.119109
0.027287	0.55639	0.171447	0.0002	0.218752	1.82E-06	-0.04438	0.3386	0.078638
-0.04636	0.31746	0.096284	0.03753	0.160833	0.00048	-0.09983	0.03102	0.005389
-0.063	0.1741	0.062559	0.17714	0.087184	0.05975	-0.0859	0.06364	0.018811
-0.00501	0.91407	0.122943	0.00782	0.198196	1.60E-05	-0.03966	0.39248	0.042412
0.078333	0.09086	0.191257	3.18E-05	0.23467	2.91E-07	0.02782	0.54871	0.050169
-0.00994	0.83031	0.133118	0.00395	0.174676	0.00015	0.015171	0.74368	0.082304
0.055261	0.2333	0.268703	3.63E-09	0.289499	1.81E-10	0.064525	0.16389	0.112676
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0.016557	0.72119	0.182254	7.46E-05	0.233769	3.23E-07	0.018609	0.68835	0.076338
0.062031	0.18083	0.15868	0.00058	0.183923	6.39E-05	0.111359	0.01606	0.097123
0.037209	0.42243	0.100243	0.03032	0.106774	0.02101	0.077008	0.09648	0.054669
0.004513	0.92251	0.2181	1.96E-06	0.261029	1.03E-08	-0.006	0.89714	0.096365
0.020076	0.66521	0.195485	2.10E-05	0.242689	1.10E-07	0.031081	0.50283	0.098464
0.076463	0.09887	0.289316	1.86E-10	0.362818	5.63E-16	0.106606	0.02121	0.149049
0.082181	0.07603	0.175548	0.00014	0.184569	6.01E-05	0.028407	0.5403	0.014716
0.043383	0.34956	0.215068	2.73E-06	0.264307	6.64E-09	0.062436	0.17799	0.110827
-0.00267	0.9542	0.089205	0.05405	0.212276	3.69E-06	-0.08642	0.06204	-0.06356
0.018314	0.69304	0.219313	1.71E-06	0.248522	5.27E-08	0.021352	0.64534	0.136204
0.001738	0.97012	0.089197	0.05407	0.100323	0.03018	-0.05916	0.20192	-0.01474
0.058686	0.20555	0.228412	6.07E-07	0.217345	2.13E-06	0.091097	0.04913	0.134764
-0.0285	0.539	0.072873	0.11579	0.095022	0.04011	-0.09176	0.04751	0.020747
0.198414	1.57E-05	0.241999	1.19E-07	0.32999	2.52E-13	0.107436	0.02022	0.178311
0.066563	0.15095	0.268131	3.93E-09	0.331529	1.92E-13	0.032473	0.4839	0.129607
0.002598	0.95536	0.003853	0.93382	0.048073	0.29988	-0.07317	0.1143	0.018986
0.100149	0.03047	0.090317	0.05111	0.112225	0.01525	0.078069	0.09196	0.004477

0.03336	0.47202	0.150855	0.00108	0.205674	7.44E-06	0.04888	0.29183	0.031194
0.080756	0.08128	0.227669	6.62E-07	0.249132	4.88E-08	0.05792	0.21154	0.148817
0.05946	0.19962	0.149629	0.00118	0.225746	8.26E-07	-0.03307	0.47594	0.057177
0.034098	0.46228	0.202352	1.05E-05	0.242839	1.08E-07	0.044281	0.33967	0.092559
0.004372	0.92493	0.095588	0.03893	0.161056	0.00048	-0.01651	0.72194	0.016464
0.086641	0.06137	0.192008	2.95E-05	0.229891	5.11E-07	-0.01051	0.82078	0.077863
0.126988	0.006	0.266888	4.67E-09	0.285533	3.27E-10	0.164909	0.00035	0.181566
0.011866	0.79814	0.227064	7.10E-07	0.275232	1.46E-09	0.037806	0.41501	0.128059
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0.116317	0.01189	0.177352	0.00012	0.224067	1.00E-06	0.045101	0.33079	0.042188
0.028264	0.54234	0.190018	3.58E-05	0.25036	4.17E-08	-0.00353	0.93942	0.103251
-0.05594	0.22757	-0.0136	0.76936	0.05303	0.25274	-0.18819	4.27E-05	-0.08341
-0.01611	0.72839	0.137874	0.00283	0.214457	2.92E-06	0.012208	0.79245	0.092277
0.031596	0.49578	0.114102	0.01362	0.168354	0.00026	0.105479	0.02263	-0.01489
0.003479	0.94024	-0.00193	0.96681	0.023183	0.61728	-0.09229	0.04622	-0.05053
-0.00971	0.8343	0.001154	0.98016	0.021616	0.64127	-0.11999	0.00945	-0.03154
0.0666	0.15073	0.215506	2.60E-06	0.246672	6.66E-08	0.031339	0.4993	0.100383
0.027576	0.55222	0.142436	0.00203	0.192456	2.83E-05	0.050512	0.276	0.002606
0.075102	0.10504	0.261665	9.48E-09	0.259845	1.21E-08	0.109194	0.01825	0.214209
0.060551	0.19148	0.341792	3.05E-14	0.349259	7.64E-15	0.117387	0.01113	0.150908
-0.09987	0.03095	0.087074	0.06008	0.110574	0.01683	-0.04868	0.29386	-0.02322
0.070642	0.12741	0.200549	1.26E-05	0.229991	5.05E-07	0.034897	0.45185	0.092741
0.117486	0.01106	0.24091	1.36E-07	0.257086	1.74E-08	-0.02842	0.54008	0.091115
0.042967	0.3542	0.087587	0.05858	0.108702	0.01879	-0.07447	0.10801	-0.01048
0.034296	0.45967	0.218972	1.78E-06	0.222251	1.23E-06	0.081411	0.07883	0.192404
0.065602	0.15695	0.202601	1.02E-05	0.200978	1.21E-05	0.111765	0.01568	0.162892
0.0512	0.26951	0.216775	2.26E-06	0.263328	7.58E-09	0.057221	0.2171	0.112701
-0.07777	0.09321	0.154244	0.00082	0.142923	0.00196	0.035782	0.44045	0.059351
-0.01144	0.80517	0.307713	1.06E-11	0.236363	2.37E-07	0.115628	0.0124	0.168519
-0.0106	0.81922	0.354906	2.62E-15	0.209357	5.05E-06	0.034514	0.45683	0.147457
0.102531	0.02672	0.273822	1.78E-09	0.232419	3.80E-07	0.079231	0.08721	0.027941
-0.34455	1.84E-14	-0.04569	0.32455	-0.0721	0.11972	-0.14145	0.00218	-0.08294
-0.31235	5.01E-12	-0.08169	0.07781	-0.04161	0.36967	-0.15147	0.00103	-0.14053
0.030258	0.51422	0.119499	0.00975	0.170272	0.00022	0.11333	0.01427	0.053606
-0.26673	4.77E-09	0.057753	0.21286	0.023519	0.61218	-0.10064	0.02967	-0.03424
0.060249	0.19371	0.225746	8.26E-07	0.198058	1.62E-05	-0.00478	0.91798	0.007971
-0.10583	0.02218	0.109783	0.01763	0.128165	0.00554	0.078248	0.09122	0.134765
-0.0781	0.09183	-0.00708	0.87869	0.064773	0.16227	0.00923	0.84231	-0.03806
-0.19901	1.47E-05	0.103892	0.02476	0.037852	0.41445	-0.0305	0.5108	0.011874
0.093082	0.04438	0.441723	1.00E-23	0.425387	6.02E-22	0.153841	0.00085	0.178034
-0.1877	4.47E-05	0.144437	0.00175	0.079025	0.08804	-0.03583	0.43987	0.033298
0.163637	0.00038	0.45545	2.70E-25	0.379057	2.10E-17	0.185779	5.36E-05	0.295063
-0.28324	4.59E-10	-0.14157	0.00216	-0.18328	6.78E-05	-0.21414	3.02E-06	-0.31516
0.21484	2.80E-06	0.545412	1.51E-37	0.31008	7.26E-12	0.400278	2.13E-19	0.606688
-0.04636	0.31741	0.252857	3.03E-08	0.136754	0.00306	0.01706	0.7131	0.060788



0.030584	0.50969	0.146853	0.00146	0.240089	1.51E-07	-0.04473	0.33483	0.04251
0.034558	0.45626	0.030921	0.50505	0.295131	7.71E-11	-0.04836	0.29697	-0.10834
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-0.08321	0.07242	0.091268	0.04871	0.047754	0.3031	0.019979	0.66673	0.112221
-0.16217	0.00043	-0.0813	0.07922	0.01793	0.69916	-0.18304	6.93E-05	-0.15678
0.134894	0.00349	0.457962	1.37E-25	0.351836	4.70E-15	0.215164	2.70E-06	0.282003
-0.1117	0.01574	0.089252	0.05393	0.073814	0.11115	-0.03005	0.51718	-0.04155
-0.14677	0.00147	0.022533	0.62718	0.012995	0.77942	-0.09169	0.04767	-0.13226
-0.22027	1.54E-06	0.117188	0.01126	0.026236	0.57171	-0.03391	0.4647	0.074857
-0.2522	3.29E-08	-0.01313	0.77719	-0.06904	0.13627	-0.15026	0.00113	-0.28131
-0.03106	0.50318	0.202774	1.00E-05	0.103187	0.02576	0.073547	0.11245	0.100056
0.115297	0.01266	0.395446	6.24E-19	0.393352	9.89E-19	0.160954	0.00048	0.245564
-0.02565	0.58028	-0.05876	0.20494	0.026626	0.566	-0.16589	0.00032	-0.07331
0.044761	0.33445	0.228689	5.88E-07	0.256464	1.89E-08	0.133622	0.00382	0.178289
-0.08716	0.05983	0.042274	0.36203	-0.02641	0.56908	-0.12376	0.00742	-0.09458
-0.41251	1.30E-20	-0.17875	0.0001	-0.20231	1.05E-05	-0.21174	3.91E-06	-0.26952
-0.10107	0.02897	0.131002	0.00457	0.023435	0.61346	0.031834	0.49254	0.06516
-0.08235	0.07542	0.308148	9.92E-12	0.162763	0.00041	0.020606	0.65694	0.112175
-0.21489	2.78E-06	0.123192	0.00769	-0.05667	0.22161	-0.03516	0.44838	0.038118
-0.26679	4.73E-09	0.079751	0.08515	-0.08366	0.07087	-0.03829	0.4091	-0.04593
-0.12571	0.00653	0.205392	7.66E-06	0.12207	0.00827	-0.014	0.76278	0.070778
-0.03966	0.39255	0.413069	1.14E-20	0.181286	8.15E-05	0.109795	0.01762	0.244926
0.108221	0.01932	0.183524	6.63E-05	0.173795	0.00016	0.061679	0.18332	0.001637
-0.07573	0.10214	0.044148	0.34112	0.122656	0.00797	-0.00949	0.83798	-0.13384
-0.16142	0.00046	0.213148	3.36E-06	0.117247	0.01122	-0.0316	0.49578	0.039189
-0.20648	6.84E-06	-0.08272	0.07412	-0.15753	0.00063	-0.02344	0.61341	0.010179
-0.0041	0.92954	0.327559	3.84E-13	0.200347	1.29E-05	0.014511	0.75447	0.08625
-0.233	3.54E-07	-0.0329	0.47822	0.001602	0.97246	-0.07982	0.08488	-0.08362
-0.03853	0.40609	0.074332	0.10866	0.12385	0.00737	0.01442	0.75596	-0.02268
0.037611	0.41743	0.075694	0.10232	0.209492	4.98E-06	-0.03704	0.42453	-0.08365
-0.33777	6.32E-14	-0.044	0.34271	-0.20928	5.09E-06	-0.06899	0.13658	-0.12524
0.113171	0.01441	0.329868	2.57E-13	0.202069	1.08E-05	0.102511	0.02675	0.210426
-0.37264	7.86E-17	-0.20592	7.25E-06	-0.24357	9.83E-08	-0.21836	1.90E-06	-0.32066
-0.16316	0.0004	-0.07013	0.1302	-0.01123	0.80876	-0.11921	0.00993	-0.17447
0.067912	0.14282	0.208953	5.27E-06	0.211832	3.88E-06	0.083133	0.07269	0.136642
0.027418	0.5545	0.413797	9.62E-21	0.233983	3.15E-07	0.152278	0.00096	0.268308
-0.11619	0.01198	0.322506	9.17E-13	0.148031	0.00134	0.052603	0.25659	0.136982
-0.31969	1.48E-12	-0.11637	0.01185	-0.1046	0.02379	-0.15221	0.00097	-0.15403
0.036262	0.43434	0.32625	4.82E-13	0.255013	2.29E-08	0.081472	0.07861	0.118673
0.147163	0.00143	0.423949	8.53E-22	0.306296	1.34E-11	0.24938	4.73E-08	0.242316
0.155297	0.00076	0.350751	5.77E-15	0.371546	9.83E-17	0.210477	4.48E-06	0.386027
-0.04932	0.28746	0.321773	1.04E-12	0.211668	3.94E-06	0.137279	0.00295	0.228306
-0.07677	0.09753	0.096653	0.0368	0.041575	0.37002	0.011795	0.79933	0.023073
0.321166	1.15E-12	0.522937	3.89E-34	0.469724	5.27E-27	0.26395	6.97E-09	0.388553
-0.22671	7.40E-07	-0.21234	3.67E-06	-0.19536	2.12E-05	-0.09894	0.03255	-0.15594

-0.19837	1.57E-05	-0.00632	0.89171	-0.07148	0.12294	-0.05636	0.22413	-0.0739
-0.23212	3.93E-07	0.059636	0.19829	-0.05072	0.27399	-0.07272	0.11655	-0.08673
0.068576	0.13895	0.276866	1.15E-09	0.163872	0.00038	0.116724	0.01159	0.104884
-0.50985	2.90E-32	-0.35036	6.20E-15	-0.4266	4.47E-22	-0.22348	1.07E-06	-0.33251
-0.4037	9.86E-20	-0.22538	8.61E-07	-0.24035	1.46E-07	-0.18436	6.13E-05	-0.39113
-0.0106	0.8193	0.209198	5.13E-06	0.224009	1.01E-06	0.001248	0.97854	0.01838
-0.01825	0.69411	0.286542	2.82E-10	0.220539	1.49E-06	0.020839	0.65331	0.134212
0.313297	4.29E-12	0.520177	9.80E-34	0.440181	1.49E-23	0.286559	2.81E-10	0.37909
-0.14701	0.00144	0.106023	0.02193	0.082923	0.07341	-0.06992	0.13135	-0.05994
-0.14877	0.00126	0.158301	0.0006	0.008604	0.85289	0.063038	0.17384	0.190402
-0.43953	1.76E-23	-0.28213	5.39E-10	-0.28636	2.90E-10	-0.18432	6.15E-05	-0.2264
-0.22045	1.50E-06	0.062959	0.17438	-0.04008	0.38751	-0.05947	0.19954	-0.02658
0.017387	0.70785	0.253562	2.76E-08	0.143097	0.00194	0.137918	0.00282	0.345696
-0.06691	0.14884	0.182966	6.98E-05	0.031224	0.50087	0.049086	0.2898	0.161025
0.074482	0.10795	0.401562	1.60E-19	0.367091	2.41E-16	0.112305	0.01518	0.163615
0.019638	0.67208	0.300402	3.40E-11	0.223808	1.03E-06	0.09261	0.04547	0.183038
-0.06834	0.1403	0.197867	1.65E-05	0.036317	0.43364	0.046517	0.31582	0.165728
-0.07241	0.11811	0.252726	3.08E-08	0.155567	0.00074	0.026155	0.57289	0.103332
-0.21547	2.61E-06	0.059882	0.19644	-0.00179	0.96931	-0.0602	0.19409	-0.06815
-0.21708	2.19E-06	-0.10597	0.022	-0.1135	0.01412	-0.0136	0.7694	-0.14332
-0.09239	0.04599	0.125409	0.00666	0.053173	0.25146	0.024903	0.59141	0.054145
-0.07742	0.0947	-0.2356	2.60E-07	-0.1322	0.00421	-0.02138	0.64493	-0.15558
0.176809	0.00012	0.494757	3.33E-30	0.446796	2.69E-24	0.171807	0.00019	0.281844
-0.11188	0.01557	-0.05036	0.27742	0.019226	0.67858	-0.02472	0.59414	-0.0478
-0.1527	0.00093	0.215389	2.64E-06	0.19122	3.19E-05	-0.02919	0.52921	0.046649
0.099999	0.03072	0.191668	3.05E-05	-0.05219	0.2603	0.245532	7.69E-08	0.240728
0.161903	0.00044	0.428978	2.49E-22	0.407158	4.48E-20	0.228964	5.70E-07	0.418884
-0.31717	2.26E-12	-0.07414	0.10956	-0.08879	0.05518	-0.16756	0.00028	-0.17752
0.208864	5.32E-06	0.484242	7.92E-29	0.494379	3.74E-30	0.17402	0.00016	0.208419
-0.00736	0.87389	0.168041	0.00026	0.137915	0.00282	0.063823	0.16853	0.040661
0.045137	0.33041	0.203109	9.71E-06	0.089316	0.05375	-0.0367	0.4288	-0.04776
-0.28007	7.28E-10	0.03268	0.48112	-0.09694	0.03625	-0.08637	0.06219	-0.08243
0.132239	0.0042	0.052893	0.25397	0.077539	0.0942	-0.04793	0.30133	-0.04521
-0.02062	0.65678	0.259575	1.25E-08	0.164021	0.00037	0.047169	0.30907	0.080421
-0.04123	0.37397	0.146892	0.00146	0.065412	0.15816	0.029774	0.52098	-0.02349
0.012378	0.78964	0.265	6.04E-09	0.203999	8.85E-06	0.080062	0.08394	0.014888
0.003392	0.94173	0.171732	0.00019	0.091229	0.0488	0.034186	0.46112	-0.03409
0.037198	0.42257	0.234329	3.03E-07	0.089151	0.0542	0.075217	0.10451	0.058192
-0.2387	1.79E-07	0.013747	0.76701	-0.09361	0.04317	-0.0772	0.09565	-0.1159
-0.19823	1.60E-05	-0.20442	8.48E-06	-0.11372	0.01393	-0.18754	4.54E-05	-0.19043
-0.13123	0.0045	0.122953	0.00781	0.02702	0.56026	-0.07753	0.09425	-0.07195
-0.22363	1.05E-06	-0.04825	0.29811	-0.01083	0.81546	-0.16145	0.00046	-0.16136
0.016458	0.72279	0.04367	0.34638	-0.03124	0.50063	-0.13723	0.00296	-0.07861
-0.26895	3.51E-09	0.015507	0.7382	-0.01936	0.67648	-0.1333	0.0039	-0.11607
-0.16773	0.00027	0.141442	0.00219	0.015451	0.73911	-0.01849	0.69022	0.177531

0.03042	0.51196	0.422303	1.27E-21	0.243225	1.03E-07	0.237884	1.97E-07	0.424148
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-0.44367	6.07E-24	-0.15527	0.00076	-0.27322	1.94E-09	-0.16956	0.00023	-0.13714
-0.02953	0.5244	0.284089	4.05E-10	0.345343	1.58E-14	-0.0203	0.66178	0.053716
0.030893	0.50543	0.357388	1.62E-15	0.384658	6.45E-18	0.017519	0.70573	0.187009
0.115216	0.01272	0.409795	2.44E-20	0.363256	5.16E-16	0.217215	2.16E-06	0.271862
0.036512	0.43118	0.150486	0.00111	0.189115	3.91E-05	0.028046	0.54546	0.013576
-0.26075	1.07E-08	-0.02702	0.56027	-0.03269	0.48093	-0.12351	0.00754	-0.14957
0.212853	3.47E-06	0.457875	1.40E-25	0.381932	1.15E-17	0.215022	2.74E-06	0.271151
0.070339	0.12906	0.395969	5.56E-19	0.322798	8.72E-13	0.082311	0.07557	0.148538
0.041874	0.36659	0.162898	0.00041	0.173019	0.00017	-0.06083	0.18946	-0.13199
-0.42674	4.32E-22	-0.2456	7.62E-08	-0.25326	2.87E-08	-0.29118	1.41E-10	-0.34034
-0.27534	1.44E-09	-0.17392	0.00016	-0.2168	2.26E-06	-0.04671	0.31381	-0.12164
0.196401	1.91E-05	0.261164	1.01E-08	0.248814	5.08E-08	0.118998	0.01006	-0.03163
-0.23257	3.73E-07	-0.0762	0.10002	-0.12582	0.00648	-0.06919	0.13545	0.009597
-0.00974	0.83368	0.376015	3.94E-17	0.256123	1.98E-08	0.061075	0.18766	0.214061
-0.041	0.37666	0.199758	1.37E-05	0.174231	0.00015	0.033528	0.4698	0.026261
-0.01443	0.75585	0.408179	3.55E-20	0.211803	3.89E-06	0.109136	0.01832	0.209079
0.015588	0.73689	0.068248	0.14085	0.097003	0.03612	0.079076	0.08784	0.081716
-0.08725	0.05957	0.158001	0.00061	0.183328	6.75E-05	0.008149	0.86058	0.002518
-0.17846	0.00011	0.104019	0.02458	0.118504	0.01037	-0.13923	0.00257	-0.17053
0.153249	0.00089	0.408623	3.20E-20	0.321406	1.11E-12	0.215019	2.74E-06	0.358386
-0.09182	0.04734	0.036831	0.42716	0.020438	0.65955	0.133331	0.0039	0.170308
-0.02696	0.5611	0.148858	0.00125	0.112917	0.01463	0.141667	0.00215	0.155298
0.014205	0.75948	0.275779	1.35E-09	0.268661	3.66E-09	0.062914	0.17469	0.114421
-0.04734	0.30736	0.132656	0.00408	0.13307	0.00397	0.021219	0.6474	-0.02906
0.16108	0.00047	0.385788	5.07E-18	0.443164	6.92E-24	0.135978	0.00324	0.205793
-0.06209	0.18041	0.154632	0.0008	0.142342	0.00205	0.057261	0.21679	0.078042
-0.13702	0.00301	0.119433	0.00979	0.072231	0.11905	-0.1014	0.02845	-0.03644
-0.23921	1.68E-07	-0.27115	2.59E-09	-0.08257	0.07465	-0.15388	0.00085	-0.25171
-0.00242	0.95845	-0.00259	0.95545	0.160563	0.0005	-0.11978	0.00957	-0.23737
0.057662	0.21358	0.30088	3.16E-11	0.172409	0.00018	0.199629	1.38E-05	0.303417
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0.0046	0.92102	0.181109	8.29E-05	0.227984	6.38E-07	0.005474	0.90609	0.049214
0.207589	6.09E-06	0.400408	2.07E-19	0.339245	4.84E-14	0.231916	4.03E-07	0.50131
-0.20725	6.31E-06	-0.15302	0.00091	-0.09307	0.04442	-0.14672	0.00148	-0.25215
0.027278	0.55652	0.432949	9.30E-23	0.363433	4.99E-16	0.143533	0.00187	0.268042
-0.4058	6.12E-20	-0.12472	0.00697	-0.20064	1.25E-05	-0.16292	0.00041	-0.21219
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-0.22635	7.71E-07	-0.16419	0.00037	-0.12999	0.0049	-0.21849	1.87E-06	-0.26155
-0.21241	3.64E-06	0.018453	0.69082	0.019684	0.67137	-0.12059	0.00909	-0.15532
-0.01668	0.71926	0.215495	2.60E-06	0.177737	0.00011	-0.00796	0.86376	0.030251
-0.00503	0.91363	0.21336	3.29E-06	0.003182	0.94532	0.129214	0.00516	0.244284
0.119637	0.00966	0.488169	2.46E-29	0.30394	1.95E-11	0.250759	3.96E-08	0.377832

-0.10348	0.02533	0.280315	7.03E-10	0.206062	7.14E-06	0.030507	0.51076	0.026462
-0.1485	0.00129	0.144368	0.00176	0.074766	0.10661	-0.00075	0.98713	0.025669
0.096702	0.0367	0.382926	9.31E-18	0.293239	1.03E-10	0.193639	2.52E-05	0.29839
0.006285	0.89225	0.208218	5.70E-06	0.171374	0.0002	0.038702	0.40404	0.097333
-0.10568	0.02237	0.205317	7.72E-06	0.166496	0.0003	0.034907	0.45172	0.070549
-0.09982	0.03102	0.079597	0.08576	-0.00828	0.8584	0.107195	0.02051	0.067889
-0.17831	0.00011	-0.13114	0.00453	-0.04641	0.3169	-0.12106	0.00882	-0.24584
0.068664	0.13844	0.158281	0.0006	0.207575	6.10E-06	0.098154	0.03396	0.042271
0.085987	0.06336	0.405607	6.39E-20	0.360658	8.60E-16	0.130519	0.00473	0.21036
0.332833	1.53E-13	0.438991	2.02E-23	0.518557	1.68E-33	0.170124	0.00022	0.264695
-0.28221	5.34E-10	-0.04933	0.28743	-0.02244	0.62863	-0.15531	0.00076	-0.11267
0.026104	0.57364	0.364082	4.39E-16	0.280281	7.06E-10	0.089448	0.0534	0.103474
0.250752	3.97E-08	0.331608	1.89E-13	0.330778	2.19E-13	0.137525	0.0029	0.098834
0.363048	5.38E-16	-0.00742	0.87287	0.180726	8.59E-05	0.080884	0.08079	0.044274
0.02378	0.60824	0.306941	1.21E-11	0.254448	2.46E-08	0.090103	0.05167	0.100099
-0.33574	9.09E-14	-0.16864	0.00025	-0.18161	7.91E-05	-0.25362	2.74E-08	-0.30998
0.066776	0.14964	0.279798	7.57E-10	0.309446	8.04E-12	0.023727	0.60904	0.026481
0.046521	0.31577	0.375149	4.71E-17	0.23563	2.59E-07	0.100629	0.02968	0.328515
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0.052694	0.25576	0.306521	1.29E-11	0.269143	3.42E-09	0.0746	0.10739	0.198092
-0.23341	3.38E-07	-0.06323	0.17254	-0.03381	0.46602	-0.12377	0.00741	-0.19941
0.072762	0.11635	0.391569	1.46E-18	0.32225	9.58E-13	0.177787	0.00011	0.273779
-0.04679	0.313	-0.07964	0.08558	0.024225	0.60154	-0.11925	0.0099	-0.14743
0.382908	9.34E-18	0.546884	8.82E-38	0.539806	1.13E-36	0.251625	3.55E-08	0.37948
0.02765	0.55115	0.273329	1.91E-09	0.241636	1.25E-07	0.106321	0.02156	0.149697
-0.09735	0.03546	0.231592	4.19E-07	0.134974	0.00347	0.010452	0.82177	0.096316
-0.14445	0.00175	0.101773	0.02787	0.117804	0.01084	-0.14516	0.00166	-0.08516
0.192037	2.94E-05	0.384554	6.59E-18	0.315934	2.77E-12	0.294283	8.78E-11	0.399684
0.072094	0.11975	0.398109	3.46E-19	0.23607	2.46E-07	0.126054	0.00638	0.222035
-0.15802	0.00061	0.022039	0.63475	0.062974	0.17428	-0.06867	0.1384	-0.07032
-0.40478	7.71E-20	-0.07716	0.0958	-0.1042	0.02432	-0.2121	3.77E-06	-0.21494
0.132953	0.004	0.275382	1.43E-09	0.299006	4.23E-11	0.215204	2.69E-06	0.272527
-0.27499	1.51E-09	-0.03174	0.49385	-0.11319	0.01439	-0.12727	0.00589	-0.12957
-0.02976	0.52119	0.248305	5.42E-08	0.068111	0.14165	0.089197	0.05407	0.241782
-0.01167	0.80134	0.027206	0.55757	0.221151	1.39E-06	0.015805	0.73337	-0.04094
-0.26723	4.45E-09	-0.03978	0.39107	-0.15011	0.00114	-0.01975	0.67034	0.023508
0.091351	0.0485	0.323658	7.53E-13	0.408103	3.61E-20	0.071205	0.1244	0.115883
0.676778	7.69E-64	0.487062	3.42E-29	0.444952	4.35E-24	0.389871	2.11E-18	0.335768
0.742924	4.29E-83	0.650311	1.75E-57	0.506664	8.04E-32	0.555035	4.33E-39	0.676763
0.770671	4.78E-93	0.570375	1.19E-41	0.616117	3.74E-50	0.528344	6.20E-35	0.462393
0.686207	2.86E-66	0.602647	1.66E-47	0.658502	2.21E-59	0.330172	2.44E-13	0.250607
0.786233	2.87E-99	0.564294	1.28E-40	0.507783	5.62E-32	0.471922	2.83E-27	0.352598
0.464559	2.24E-26	0.154093	0.00083	0.182164	7.52E-05	0.227967	6.39E-07	0.13449
0.768592	2.97E-92	0.598288	1.12E-46	0.622011	2.37E-51	0.444861	4.46E-24	0.507549
0.474826	1.23E-27	0.188584	4.11E-05	0.171252	0.0002	0.21726	2.15E-06	0.098094

0.477953	5.00E-28	0.326656	4.50E-13	0.236438	2.35E-07	0.113456	0.01416	0.08859
0.776584	2.37E-95	0.553177	8.68E-39	0.469111	6.27E-27	0.433837	7.44E-23	0.357716
0.719503	1.21E-75	0.529746	3.83E-35	0.587787	9.93E-45	0.412366	1.34E-20	0.355512
0.854652	#####	0.719403	1.30E-75	0.666294	3.04E-61	0.545748	1.33E-37	0.519822
0.825484	#####	0.660956	5.81E-60	0.611951	2.54E-49	0.560695	5.09E-40	0.586546
0.382296	1.06E-17	0.005787	0.90073	0.061779	0.18261	0.133366	0.00389	0.088067
0.771296	2.75E-93	0.58978	4.29E-45	0.422364	1.25E-21	0.37471	5.15E-17	0.460112
0.803903	#####	0.742878	4.45E-83	0.669012	6.60E-62	0.527237	9.05E-35	0.531479
0.5128	1.11E-32	0.340418	3.91E-14	0.29355	9.82E-11	0.294401	8.62E-11	0.181033
0.846342	#####	0.653243	3.72E-58	0.562474	2.58E-40	0.493977	4.23E-30	0.533072
0.491377	9.33E-30	0.177969	0.00011	0.29825	4.76E-11	0.112824	0.01471	-0.11043
0.603196	1.30E-47	0.172582	0.00018	0.253861	2.66E-08	0.108129	0.01942	-0.0068
0.761846	9.82E-90	0.582486	8.99E-44	0.587979	9.16E-45	0.458091	1.32E-25	0.606578
0.841262	#####	0.676866	7.31E-64	0.630555	3.89E-53	0.497374	1.49E-30	0.4602
0.632136	1.79E-53	0.232569	3.73E-07	0.309377	8.13E-12	0.339576	4.56E-14	0.239466
0.7553	2.28E-87	0.602769	1.57E-47	0.491394	9.28E-30	0.493186	5.38E-30	0.528709
0.8262	#####	0.699334	8.26E-70	0.621148	3.56E-51	0.504838	1.44E-31	0.535884
0.754389	4.80E-87	0.502205	3.30E-31	0.44726	2.38E-24	0.382467	1.03E-17	0.367853
0.765657	3.80E-91	0.473018	2.07E-27	0.508184	4.94E-32	0.33546	9.56E-14	0.358773
0.527574	8.06E-35	0.266549	4.89E-09	0.185932	5.29E-05	0.271329	2.52E-09	0.179388
0.838289	#####	0.638684	6.92E-55	0.629904	5.35E-53	0.496724	1.82E-30	0.523005
0.530588	2.86E-35	0.35556	2.31E-15	0.379187	2.04E-17	0.28829	2.17E-10	0.143074
0.903561	#####	0.547999	5.87E-38	0.554516	5.26E-39	0.472596	2.33E-27	0.392414
0.767133	1.06E-91	0.470849	3.83E-27	0.39664	4.80E-19	0.438315	2.40E-23	0.347317
0.78289	6.89E-98	0.3957	5.90E-19	0.462708	3.74E-26	0.306451	1.30E-11	0.291723
0.831021	#####	0.525061	1.90E-34	0.530282	3.18E-35	0.387184	3.76E-18	0.399819
0.680461	8.87E-65	0.530853	2.61E-35	0.515105	5.24E-33	0.431808	1.24E-22	0.372664
0.832538	#####	0.634341	6.05E-54	0.607122	2.26E-48	0.509391	3.36E-32	0.532574
0.683178	1.77E-65	0.562214	2.85E-40	0.593222	9.95E-46	0.406458	5.26E-20	0.426583
0.473078	2.03E-27	0.226217	7.83E-07	0.23857	1.82E-07	0.174347	0.00015	0.068038
0.623116	1.40E-51	0.467556	9.70E-27	0.448823	1.58E-24	0.36097	8.09E-16	0.508191
0.719701	1.06E-75	0.522594	4.36E-34	0.444548	4.84E-24	0.436945	3.40E-23	0.367184
0.777323	1.21E-95	0.685254	5.09E-66	0.651524	9.25E-58	0.467999	8.57E-27	0.513061
0.750435	1.17E-85	0.524876	2.02E-34	0.453594	4.45E-25	0.407354	4.29E-20	0.421237
0.813346	#####	0.579232	3.40E-43	0.442228	8.81E-24	0.479246	3.43E-28	0.48844
0.822531	#####	0.649018	3.45E-57	0.617425	2.04E-50	0.463672	2.86E-26	0.47036
0.808841	#####	0.712195	1.80E-73	0.603548	1.11E-47	0.474117	1.51E-27	0.556192
0.456878	1.84E-25	0.041242	0.37388	0.158464	0.00059	0.166892	0.00029	-0.04962
0.787308	1.02E-99	0.549048	4.00E-38	0.455046	3.01E-25	0.413374	1.06E-20	0.322099
0.449828	1.21E-24	0.205302	7.73E-06	0.0537	0.24679	0.363564	4.86E-16	0.409676
0.560284	5.96E-40	0.255453	2.16E-08	0.091953	0.04703	0.379426	1.94E-17	0.346643
0.725433	1.87E-77	0.579521	3.03E-43	0.528531	5.81E-35	0.417665	3.86E-21	0.407416
0.654666	1.74E-58	0.46685	1.18E-26	0.524506	2.29E-34	0.322441	9.27E-13	0.396697
0.548021	5.82E-38	0.224317	9.73E-07	0.186324	5.09E-05	0.17869	0.0001	0.203452
0.780979	4.13E-97	0.645427	2.23E-56	0.585167	2.96E-44	0.476118	8.50E-28	0.586593

0.685875	3.50E-66	0.490262	1.31E-29	0.419679	2.39E-21	0.423629	9.22E-22	0.514146
0.847307	#####	0.616983	2.50E-50	0.606065	3.63E-48	0.49721	1.56E-30	0.426962
0.786998	1.38E-99	0.633303	1.01E-53	0.491377	9.33E-30	0.422755	1.14E-21	0.419299
0.786777	1.71E-99	0.71537	2.09E-74	0.628384	1.12E-52	0.522511	4.48E-34	0.54229
0.620337	5.21E-51	0.250598	4.05E-08	0.129626	0.00502	0.276072	1.29E-09	0.179951
0.625484	4.53E-52	0.267295	4.41E-09	0.199133	1.46E-05	0.417356	4.15E-21	0.491836
0.789153	#####	0.602823	1.53E-47	0.293783	9.47E-11	0.626531	2.74E-52	0.655897
0.495406	2.73E-30	0.199435	1.41E-05	0.225428	8.57E-07	0.165208	0.00034	0.030129
0.833593	#####	0.542357	4.54E-37	0.551715	1.49E-38	0.491006	1.04E-29	0.504161
0.717534	4.75E-75	0.524241	2.50E-34	0.574652	2.16E-42	0.405846	6.05E-20	0.487834
0.650562	1.54E-57	0.592735	1.23E-45	0.518475	1.73E-33	0.419892	2.27E-21	0.463035
0.745697	4.97E-84	0.612776	1.74E-49	0.47105	3.62E-27	0.512753	1.13E-32	0.657539
0.819722	#####	0.711698	2.52E-73	0.639489	4.61E-55	0.45978	8.35E-26	0.530578
0.706622	7.36E-72	0.585275	2.83E-44	0.57268	4.76E-42	0.379405	1.95E-17	0.467329
0.828816	#####	0.681532	4.71E-65	0.63554	3.34E-54	0.472273	2.56E-27	0.592849
0.471095	3.58E-27	0.232666	3.69E-07	0.22958	5.30E-07	0.148364	0.0013	0.042713
0.598939	8.44E-47	0.234843	2.85E-07	0.160517	0.0005	0.383581	8.10E-18	0.264147
0.802567	#####	0.616566	3.04E-50	0.639244	5.22E-55	0.462345	4.13E-26	0.379201
0.497403	1.47E-30	0.514698	5.99E-33	0.374996	4.86E-17	0.46099	5.99E-26	0.57394
0.773519	3.79E-94	0.584713	3.58E-44	0.606008	3.73E-48	0.52238	4.69E-34	0.600705
0.755257	2.36E-87	0.595055	4.54E-46	0.611084	3.77E-49	0.476505	7.60E-28	0.453659
0.705652	1.39E-71	0.370326	1.26E-16	0.459814	8.27E-26	0.342499	2.68E-14	0.35153
0.584832	3.41E-44	0.251922	3.41E-08	0.23918	1.69E-07	0.284391	3.88E-10	0.104082
0.794376	#####	0.600217	4.83E-47	0.576842	8.97E-43	0.468175	8.16E-27	0.431689
0.538798	1.62E-36	0.210068	4.68E-06	0.160842	0.00048	0.159128	0.00056	0.154872
0.753901	7.15E-87	0.426523	4.56E-22	0.52547	1.65E-34	0.34221	2.82E-14	0.372657
0.784648	1.31E-98	0.530293	3.17E-35	0.595431	3.86E-46	0.360421	9.01E-16	0.334255
0.783184	5.22E-98	0.55587	3.17E-39	0.49566	2.52E-30	0.453871	4.13E-25	0.379178
0.669944	3.90E-62	0.321313	1.12E-12	0.45034	1.06E-24	0.237114	2.17E-07	0.159964
0.621941	2.45E-51	0.429417	2.24E-22	0.459855	8.18E-26	0.243062	1.05E-07	0.20903
0.756302	1.00E-87	0.586505	1.70E-44	0.473727	1.69E-27	0.542922	3.71E-37	0.596333
0.780223	8.34E-97	0.56717	4.17E-41	0.50371	2.05E-31	0.534629	7.03E-36	0.545021
0.605944	3.83E-48	0.276904	1.15E-09	0.306267	1.34E-11	0.316996	2.32E-12	0.261036
0.686218	2.84E-66	0.573349	3.64E-42	0.592155	1.57E-45	0.427157	3.90E-22	0.56752
0.809049	#####	0.713169	9.35E-74	0.659713	1.15E-59	0.550032	2.78E-38	0.654627
0.663849	1.18E-60	0.510704	2.20E-32	0.538542	1.77E-36	0.352279	4.32E-15	0.276124
0.839206	#####	0.539263	1.37E-36	0.562906	2.18E-40	0.450156	1.11E-24	0.540766
0.656507	6.50E-59	0.468209	8.08E-27	0.538463	1.82E-36	0.384061	7.32E-18	0.299996
0.64903	3.43E-57	0.25605	2.00E-08	0.203231	9.58E-06	0.337581	6.54E-14	0.176223
0.838367	#####	0.564119	1.37E-40	0.579161	3.50E-43	0.482005	1.53E-28	0.370192
0.754198	5.61E-87	0.558252	1.29E-39	0.496464	1.97E-30	0.338211	5.84E-14	0.340611
0.781588	2.34E-97	0.573737	3.12E-42	0.502817	2.72E-31	0.459097	1.01E-25	0.459124
0.68134	5.28E-65	0.458062	1.33E-25	0.524852	2.04E-34	0.464787	2.10E-26	0.332344
0.649526	2.65E-57	0.605043	5.73E-48	0.322635	8.97E-13	0.47251	2.39E-27	0.664641
0.750753	9.08E-86	0.57514	1.78E-42	0.579673	2.84E-43	0.433121	8.91E-23	0.364916

0.734459	2.61E-80	0.503415	2.25E-31	0.571492	7.62E-42	0.262862	8.07E-09	0.224134
0.880124	#####	0.632739	1.33E-53	0.614889	6.60E-50	0.480918	2.11E-28	0.5083
0.628751	9.36E-53	0.375002	4.85E-17	0.402252	1.37E-19	0.335113	1.02E-13	0.204582
0.728906	1.54E-78	0.514778	5.84E-33	0.296314	6.42E-11	0.509362	3.39E-32	0.455511
0.60751	1.90E-48	0.590249	3.52E-45	0.281998	5.50E-10	0.527961	7.06E-35	0.723076
0.732929	8.12E-80	0.493838	4.41E-30	0.643352	6.48E-56	0.366888	2.51E-16	0.191573
0.76442	1.10E-90	0.428728	2.65E-22	0.367779	2.10E-16	0.396518	4.93E-19	0.301057
0.581663	1.26E-43	0.565803	7.11E-41	0.371524	9.87E-17	0.449798	1.22E-24	0.622202
0.681739	4.16E-65	0.657294	4.25E-59	0.451684	7.40E-25	0.539887	1.10E-36	0.713878
0.773395	4.23E-94	0.569695	1.55E-41	0.389563	2.25E-18	0.604008	9.08E-48	0.675046
0.695146	1.17E-68	0.416549	5.03E-21	0.435423	5.00E-23	0.25922	1.31E-08	0.292829
0.805756	#####	0.632139	1.79E-53	0.457955	1.37E-25	0.534709	6.83E-36	0.521635
0.882396	#####	0.746989	1.80E-84	0.671795	1.36E-62	0.596081	2.91E-46	0.51095
0.680865	6.99E-65	0.680331	9.58E-65	0.428825	2.59E-22	0.564859	1.03E-40	0.701477
0.807641	#####	0.67111	2.01E-62	0.537097	2.95E-36	0.55128	1.75E-38	0.487093
0.698886	1.10E-69	0.549729	3.11E-38	0.374591	5.28E-17	0.427963	3.20E-22	0.482674
0.736663	5.04E-81	0.424658	7.18E-22	0.480924	2.10E-28	0.4222	1.30E-21	0.440297
0.636285	2.30E-54	0.377272	3.04E-17	0.422865	1.11E-21	0.324045	7.05E-13	0.225097
0.720005	8.57E-76	0.326003	5.03E-13	0.311073	6.17E-12	0.434821	5.81E-23	0.26217
0.800351	#####	0.485353	5.69E-29	0.490981	1.05E-29	0.435647	4.72E-23	0.284305
0.847816	#####	0.720741	5.13E-76	0.578244	5.08E-43	0.505407	1.20E-31	0.57792
0.471634	3.07E-27	0.222613	1.18E-06	0.066356	0.15223	0.246504	6.81E-08	0.186046
0.597497	1.58E-46	0.270041	3.02E-09	0.320567	1.27E-12	0.454553	3.44E-25	0.51447
0.777019	1.59E-95	0.481142	1.97E-28	0.543794	2.71E-37	0.437063	3.30E-23	0.350487
0.825891	#####	0.701514	2.04E-70	0.504666	1.52E-31	0.537666	2.41E-36	0.503855
0.846203	#####	0.585254	2.86E-44	0.516892	2.91E-33	0.444556	4.82E-24	0.452768
0.836746	#####	0.701672	1.84E-70	0.606207	3.41E-48	0.463391	3.09E-26	0.610732
0.723058	1.01E-76	0.532147	1.67E-35	0.403886	9.46E-20	0.38777	3.32E-18	0.446109
0.830817	#####	0.590772	2.82E-45	0.59167	1.93E-45	0.428989	2.49E-22	0.507694
0.760048	4.47E-89	0.388468	2.86E-18	0.377942	2.64E-17	0.391488	1.49E-18	0.381791
0.753734	8.19E-87	0.574948	1.92E-42	0.533486	1.05E-35	0.425669	5.62E-22	0.265195
0.862108	#####	0.615709	4.52E-50	0.445768	3.52E-24	0.555714	3.36E-39	0.528332
0.474798	1.24E-27	0.167079	0.00029	0.25584	2.05E-08	0.07805	0.09204	0.126365
0.750892	8.12E-86	0.595325	4.04E-46	0.461039	5.91E-26	0.4506	9.88E-25	0.483568
0.670924	2.23E-62	0.383523	8.20E-18	0.430908	1.55E-22	0.407012	4.64E-20	0.30576
0.509996	2.76E-32	0.15724	0.00065	0.048131	0.2993	0.251188	3.75E-08	0.263944
0.486468	4.08E-29	0.250294	4.21E-08	0.212927	3.44E-06	0.268418	3.78E-09	0.300213
0.629746	5.78E-53	0.533713	9.68E-36	0.513095	1.01E-32	0.442529	8.16E-24	0.510222
0.782684	8.36E-98	0.604015	9.05E-48	0.502844	2.70E-31	0.48263	1.27E-28	0.552418
0.798379	#####	0.592511	1.35E-45	0.469608	5.45E-27	0.447047	2.52E-24	0.398207
0.712593	1.38E-73	0.402589	1.27E-19	0.374938	4.91E-17	0.461584	5.09E-26	0.332135
0.769311	1.58E-92	0.58496	3.23E-44	0.656927	5.18E-59	0.492314	7.02E-30	0.51403
0.724081	4.88E-77	0.45314	5.02E-25	0.428122	3.08E-22	0.356556	1.91E-15	0.357546
0.800958	#####	0.674543	2.81E-63	0.547265	7.68E-38	0.621702	2.74E-51	0.635576
0.791012	#####	0.685903	3.44E-66	0.637233	1.43E-54	0.463326	3.15E-26	0.434147

0.651229	1.08E-57	0.525697	1.53E-34	0.583888	5.04E-44	0.203884	8.96E-06	0.263787
0.740019	3.99E-82	0.638672	6.96E-55	0.663644	1.32E-60	0.469514	5.59E-27	0.401057
0.764934	7.07E-91	0.436862	3.47E-23	0.39553	6.13E-19	0.313182	4.37E-12	0.259345
0.444706	4.64E-24	0.169915	0.00023	0.168613	0.00025	0.086281	0.06246	-0.04034
0.841547	#####	0.661751	3.76E-60	0.629187	7.58E-53	0.448507	1.72E-24	0.400458
0.720118	7.92E-76	0.493832	4.42E-30	0.453807	4.20E-25	0.477023	6.55E-28	0.4433
0.773	6.03E-94	0.533222	1.15E-35	0.456289	2.16E-25	0.484279	7.83E-29	0.365669
0.735884	9.04E-81	0.50582	1.05E-31	0.531749	1.92E-35	0.407683	3.97E-20	0.269589
0.675148	1.98E-63	0.765025	6.54E-91	0.528284	6.32E-35	0.501663	3.91E-31	0.615308
0.515679	4.34E-33	0.188115	4.30E-05	0.107409	0.02025	0.304776	1.70E-11	0.256845
0.665813	3.97E-61	0.50533	1.23E-31	0.57232	5.49E-42	0.398246	3.36E-19	0.390054
0.084453	0.06824	0.028625	0.5372	0.123369	0.00761	0.107367	0.0203	0.148113
0.028246	0.5426	-0.03048	0.51117	0.008275	0.85846	0.08024	0.08325	0.078715
0.029496	0.52488	0.174665	0.00015	0.034485	0.45721	0.061468	0.18483	0.116726
-0.03323	0.4737	-0.03371	0.46738	-0.00336	0.94235	-0.05226	0.2597	-0.03804
-0.01395	0.76372	-0.09381	0.04274	-0.04775	0.3031	0.073515	0.11261	0.022023
-0.04013	0.38689	-0.13504	0.00346	-0.07987	0.08468	-0.00226	0.9611	-0.09895
0.021944	0.63621	-0.0494	0.28674	0.014917	0.74783	0.097377	0.0354	0.167451
0.004048	0.93048	0.062518	0.17742	0.088697	0.05544	0.056107	0.22621	0.039823
0.083993	0.06976	0.050326	0.27777	0.061202	0.18674	0.06933	0.13465	0.011115
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0.069165	0.13558	0.038437	0.40727	0.022995	0.62013	0.086164	0.06282	0.044616
0.057172	0.2175	-0.01509	0.74492	0.039658	0.39251	0.117534	0.01102	0.050038
0.128248	0.00551	0.088122	0.05705	0.073902	0.11073	0.145497	0.00162	0.108151
0.002478	0.95741	0.052844	0.25441	0.02191	0.63674	0.067814	0.1434	0.049825
0.007667	0.86876	0.057752	0.21286	0.018847	0.68458	0.181697	7.85E-05	0.086036
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0.070044	0.13067	-0.02823	0.54276	-0.02591	0.57653	0.104568	0.02383	0.21349
0.138109	0.00278	0.076231	0.0999	0.1349	0.00349	0.222387	1.21E-06	0.287421
0.166559	0.0003	0.098938	0.03255	0.097087	0.03596	0.191815	3.01E-05	0.148661
0.050367	0.27738	0.051622	0.26557	0.135344	0.00338	0.11012	0.01729	0.080331
0.298723	4.42E-11	0.059066	0.20262	0.200633	1.25E-05	0.086395	0.06211	0.007191
0.028514	0.53878	-0.12718	0.00592	0.024106	0.60334	-0.03888	0.40189	-0.03195
0.027816	0.54877	-0.01629	0.72543	0.049762	0.28321	0.035268	0.44706	-0.02471
0.036982	0.42527	-0.04135	0.37261	0.009219	0.8425	0.127529	0.00578	0.026652
0.057381	0.21582	0.066223	0.15305	0.072252	0.11894	0.029212	0.52888	0.047225
-0.05056	0.2755	0.029021	0.53158	0.026448	0.5686	0.019204	0.67892	-0.01299
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-0.06113	0.18729	-0.22767	6.62E-07	-0.10375	0.02496	-0.16468	0.00035	-0.22676
0.035652	0.44211	0.017256	0.70994	0.021862	0.63747	0.03801	0.4125	0.012489
0.067457	0.14553	0.024424	0.59856	0.019479	0.67459	0.112825	0.01471	0.072746



0.12914	0.00519	0.065792	0.15575	0.051228	0.26925	0.139962	0.00243	0.046669
0.055643	0.23007	-0.09817	0.03393	0.023877	0.60678	0.011398	0.80594	-0.10105
0.05025	0.2785	-0.10524	0.02294	0.027741	0.54984	0.07061	0.12758	0.007595
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0.062085	0.18045	0.023986	0.60514	0.001857	0.96807	0.073132	0.1145	-0.01485
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0.066917	0.14878	0.008073	0.86187	-0.00891	0.84765	0.144117	0.00179	0.004416
0.00908	0.84485	-0.07868	0.08944	-0.01053	0.82053	0.025119	0.58819	-0.05571
0.058289	0.20863	0.016596	0.72057	0.022302	0.63071	0.030575	0.50982	0.010477
0.059661	0.19811	0.084514	0.06804	0.098357	0.03359	0.044239	0.34013	0.023836
0.0243	0.60041	-0.02307	0.61894	-0.00393	0.93242	0.009419	0.83912	-0.00355
0.029448	0.52555	-0.00603	0.89655	-0.00815	0.86065	0.03565	0.44214	0.025225
0.098379	0.03355	0.040561	0.38183	0.085421	0.06513	0.107362	0.02031	0.082888
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0.024636	0.59539	-0.12827	0.0055	-0.00823	0.85924	0.032728	0.48047	-0.0856
0.076271	0.09972	0.103296	0.0256	0.055344	0.23259	0.144314	0.00177	-0.00454
0.006132	0.89485	-0.02312	0.61819	-0.05992	0.19618	0.130663	0.00468	0.088889
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0.030889	0.50548	-0.02541	0.58393	0.069416	0.13416	0.05852	0.20683	-0.0022
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0.147048	0.00144	-0.01139	0.8061	0.087615	0.0585	0.076836	0.09723	-0.05768
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0.054492	0.23988	-0.01155	0.80334	-0.00414	0.92888	0.072163	0.1194	0.048197
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0.012126	0.79381	-0.00208	0.96419	0.051563	0.26612	0.077267	0.09536	0.106822
0.043578	0.3474	-0.00754	0.87091	0.019107	0.68046	0.109863	0.01755	0.06551
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0.057576	0.21427	0.071235	0.12424	0.060288	0.19342	0.06162	0.18375	0.013544
0.123731	0.00743	0.123697	0.00745	0.12758	0.00576	0.146518	0.0015	0.110625
0.059666	0.19807	0.068267	0.14074	0.078701	0.08935	0.080181	0.08348	0.103961
0.143525	0.00187	0.107537	0.0201	0.180867	8.48E-05	0.108994	0.01847	0.067921
0.221372	1.36E-06	0.113072	0.01449	0.132551	0.00411	0.151094	0.00106	0.156861

0.060363	0.19287	0.071412	0.1233	0.092537	0.04564	0.142757	0.00198	0.331624
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0.046238	0.31873	0.029481	0.52509	0.035649	0.44215	0.159818	0.00053	0.106998
0.024618	0.59566	0.012525	0.78719	0.026984	0.56079	0.135037	0.00346	0.0895
0.050942	0.27193	0.063244	0.17244	0.051193	0.26957	0.103911	0.02473	0.117603
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0.001554	0.97328	-0.05747	0.21515	-0.013	0.77932	0.029438	0.52569	0.019726
0.008015	0.86285	0.011232	0.80872	0.002674	0.95404	0.034455	0.4576	0.015799
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0.016633	0.71997	0.011001	0.81258	0.022146	0.6331	0.063917	0.16791	0.000373
0.005376	0.90776	-0.02765	0.55117	0.018961	0.68277	0.002243	0.96145	-0.04112
0.001621	0.97214	-0.05374	0.24644	-0.00056	0.99041	0.051144	0.27003	0.037643
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0.129382	0.00511	0.067454	0.14554	0.080902	0.08073	0.084889	0.06682	0.085079
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0.066847	0.14921	0.04587	0.3226	0.104322	0.02416	0.121359	0.00866	0.102341
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0.004949	0.91505	-0.01287	0.78149	-0.01039	0.82282	0.101122	0.02889	0.062477
0.021058	0.64991	0.059226	0.2014	0.084107	0.06938	0.116756	0.01157	0.164322
0.18718	4.70E-05	0.105679	0.02237	0.19718	1.77E-05	0.259064	1.34E-08	0.246951
0.592138	1.58E-45	0.639269	5.16E-55	0.461681	4.96E-26	0.456535	2.02E-25	0.641024
0.357178	1.69E-15	0.567114	4.27E-41	0.636587	1.98E-54	0.275558	1.39E-09	0.34464
0.634619	5.27E-54	0.662287	2.80E-60	0.540115	1.01E-36	0.429717	2.08E-22	0.663319
0.345797	1.46E-14	0.229374	5.43E-07	0.140269	0.00238	0.338937	5.12E-14	0.504288
0.444356	5.08E-24	0.426687	4.38E-22	0.202559	1.03E-05	0.503786	2.00E-31	0.637097
0.432484	1.04E-22	0.711209	3.50E-73	0.445473	3.80E-24	0.420628	1.90E-21	0.574525
0.496402	2.01E-30	0.424872	6.82E-22	0.51662	3.19E-33	0.300159	3.53E-11	0.338982
0.343968	2.04E-14	0.19886	1.50E-05	0.235341	2.68E-07	0.163079	0.0004	-0.00366
0.426163	4.98E-22	0.722348	1.66E-76	0.529145	4.71E-35	0.401292	1.70E-19	0.597536
0.628286	1.17E-52	0.575323	1.65E-42	0.526173	1.30E-34	0.413184	1.11E-20	0.481789
0.277358	1.08E-09	0.306949	1.20E-11	0.190972	3.26E-05	0.170758	0.00021	0.38089
0.530262	3.20E-35	0.700088	5.10E-70	0.418331	3.29E-21	0.428551	2.77E-22	0.626973
0.522948	3.87E-34	0.629533	6.40E-53	0.420024	2.20E-21	0.458529	1.17E-25	0.696262
0.314197	3.69E-12	0.298335	4.70E-11	0.301445	2.89E-11	0.228024	6.35E-07	0.21061
0.424585	7.31E-22	0.608509	1.21E-48	0.301628	2.81E-11	0.412066	1.44E-20	0.661573
0.47127	3.40E-27	0.756719	7.11E-88	0.535523	5.14E-36	0.434065	7.03E-23	0.463777
0.49304	5.63E-30	0.654257	2.17E-58	0.492325	7.00E-30	0.409553	2.58E-20	0.770942
0.360249	9.31E-16	0.578007	5.60E-43	0.501362	4.30E-31	0.288651	2.06E-10	0.477203
0.59153	2.05E-45	0.463385	3.10E-26	0.421351	1.60E-21	0.371819	9.30E-17	0.417222

0.742376	6.55E-83	0.720845	4.77E-76	0.548368	5.13E-38	0.594501	5.75E-46	0.659266
0.560016	6.60E-40	0.726232	1.05E-77	0.559114	9.30E-40	0.521512	6.27E-34	0.505688
0.580876	1.74E-43	0.803163	#####	0.730587	4.53E-79	0.477138	6.33E-28	0.599593
0.522997	3.81E-34	0.685853	3.55E-66	0.59458	5.56E-46	0.375208	4.65E-17	0.546344
0.485613	5.27E-29	0.438681	2.19E-23	0.447242	2.39E-24	0.320452	1.30E-12	0.49674
0.431455	1.35E-22	0.551678	1.51E-38	0.36259	5.89E-16	0.378464	2.37E-17	0.596849
0.024505	0.59735	0.327256	4.05E-13	0.098648	0.03306	0.04435	0.33891	0.199832
0.554181	5.97E-39	0.655636	1.04E-58	0.380829	1.45E-17	0.506953	7.33E-32	0.638885
0.322639	8.96E-13	0.546245	1.11E-37	0.428011	3.16E-22	0.37447	5.41E-17	0.621308
0.691785	9.46E-68	0.645107	2.63E-56	0.503463	2.22E-31	0.500192	6.19E-31	0.557273
0.677923	3.94E-64	0.569051	2.00E-41	0.527993	6.99E-35	0.36365	4.78E-16	0.377794
0.303999	1.93E-11	0.356644	1.87E-15	0.36967	1.44E-16	0.315141	3.16E-12	0.280421
0.229117	5.59E-07	0.295605	7.16E-11	0.299816	3.73E-11	0.168162	0.00026	0.153757
0.581308	1.46E-43	0.732398	1.20E-79	0.560483	5.52E-40	0.465316	1.81E-26	0.728452
0.605069	5.66E-48	0.616646	2.93E-50	0.503937	1.91E-31	0.447146	2.45E-24	0.522692
0.564694	1.09E-40	0.607151	2.23E-48	0.516473	3.34E-33	0.477456	5.78E-28	0.501987
0.2869	2.67E-10	0.391379	1.52E-18	0.427895	3.25E-22	0.17433	0.00015	0.37287
0.200486	1.27E-05	0.244138	9.15E-08	0.251579	3.57E-08	0.150674	0.00109	0.395228
0.594203	6.54E-46	0.769643	1.18E-92	0.664685	7.44E-61	0.453461	4.61E-25	0.621954
0.542632	4.11E-37	0.593883	7.50E-46	0.462363	4.11E-26	0.393192	1.02E-18	0.384206
0.570515	1.12E-41	0.683564	1.40E-65	0.479339	3.34E-28	0.505968	1.00E-31	0.628896
0.078734	0.08922	0.310591	6.68E-12	0.212066	3.78E-06	0.22769	6.60E-07	0.445146
0.28331	4.54E-10	0.374128	5.80E-17	0.294936	7.94E-11	0.273858	1.77E-09	0.4584
0.386405	4.44E-18	0.480425	2.43E-28	0.259583	1.25E-08	0.284354	3.90E-10	0.583674
0.566641	5.13E-41	0.58033	2.17E-43	0.607728	1.72E-48	0.31005	7.29E-12	0.28145
0.45091	9.10E-25	0.598607	9.75E-47	0.350741	5.78E-15	0.443818	5.84E-24	0.599473
0.462866	3.58E-26	0.660933	5.89E-60	0.515651	4.38E-33	0.413793	9.62E-21	0.565933
0.389355	2.36E-18	0.429649	2.11E-22	0.474028	1.55E-27	0.13023	0.00482	0.268939
0.346696	1.23E-14	0.521219	6.92E-34	0.323934	7.18E-13	0.324014	7.09E-13	0.562339
0.302357	2.50E-11	0.320284	1.34E-12	0.263269	7.64E-09	0.263653	7.25E-09	0.388077
0.543276	3.26E-37	0.631456	2.50E-53	0.452965	5.26E-25	0.477687	5.40E-28	0.593893
0.605374	4.94E-48	0.533579	1.01E-35	0.514753	5.88E-33	0.477589	5.56E-28	0.456244
0.413328	1.07E-20	0.481523	1.76E-28	0.307976	1.02E-11	0.434485	6.33E-23	0.484307
0.558551	1.15E-39	0.375061	4.79E-17	0.32222	9.62E-13	0.436427	3.88E-23	0.397247
0.247639	5.90E-08	0.462721	3.72E-26	0.296978	5.80E-11	0.358103	1.41E-15	0.531293
0.438822	2.11E-23	0.53182	1.87E-35	0.41441	8.33E-21	0.480083	2.69E-28	0.546103
0.222847	1.15E-06	0.399688	2.43E-19	0.283035	4.73E-10	0.28112	6.25E-10	0.366986
0.270839	2.70E-09	0.554419	5.46E-39	0.514679	6.03E-33	0.266842	4.70E-09	0.345351
0.540131	1.01E-36	0.630166	4.71E-53	0.459961	7.94E-26	0.48806	2.54E-29	0.636964
0.390309	1.92E-18	0.324838	6.15E-13	0.281544	5.88E-10	0.361521	7.26E-16	0.483384
0.251854	3.44E-08	0.41737	4.14E-21	0.348665	8.54E-15	0.267655	4.20E-09	0.45522
0.324105	6.98E-13	0.331922	1.79E-13	0.384022	7.38E-18	0.238632	1.80E-07	0.216771
0.420296	2.06E-21	0.451553	7.67E-25	0.463964	2.64E-26	0.306907	1.21E-11	0.361651
0.321413	1.10E-12	0.213857	3.11E-06	0.177478	0.00012	0.221054	1.41E-06	0.373901
0.434126	6.92E-23	0.504868	1.42E-31	0.295423	7.37E-11	0.372114	8.75E-17	0.289224

0.260564	1.10E-08	0.462094	4.42E-26	0.385856	5.00E-18	0.298404	4.65E-11	0.441338
0.08989	0.05223	0.265222	5.86E-09	0.329265	2.86E-13	0.107099	0.02062	0.10267
0.167967	0.00027	0.2317	4.13E-07	0.116998	0.0114	0.117323	0.01117	0.368767
0.210904	4.28E-06	0.296952	5.82E-11	0.312527	4.86E-12	0.185788	5.36E-05	0.467742
0.227816	6.51E-07	0.302329	2.51E-11	0.286793	2.72E-10	0.209538	4.95E-06	0.311396
0.618972	9.90E-51	0.601536	2.71E-47	0.508325	4.73E-32	0.339752	4.42E-14	0.412916
0.646169	1.52E-56	0.571708	7.00E-42	0.466394	1.34E-26	0.377861	2.69E-17	0.376128
0.32665	4.50E-13	0.496236	2.11E-30	0.459531	8.93E-26	0.165415	0.00033	0.207923
0.725733	1.51E-77	0.758733	1.34E-88	0.631563	2.38E-53	0.535439	5.29E-36	0.626222
0.310856	6.39E-12	0.452335	6.23E-25	0.206609	6.75E-06	0.312253	5.09E-12	0.549519
0.391457	1.50E-18	0.329005	2.99E-13	0.315566	2.95E-12	0.237694	2.02E-07	0.158153
0.561248	4.12E-40	0.740755	2.27E-82	0.615691	4.56E-50	0.49441	3.70E-30	0.617129
0.301557	2.84E-11	0.538886	1.57E-36	0.37606	3.90E-17	0.388951	2.57E-18	0.627228
0.555721	3.35E-39	0.714774	3.15E-74	0.682474	2.69E-65	0.422645	1.17E-21	0.551863
0.524683	2.16E-34	0.545765	1.33E-37	0.433763	7.58E-23	0.425745	5.51E-22	0.398413
0.529382	4.34E-35	0.85454	#####	0.718067	3.29E-75	0.488809	2.03E-29	0.664781
0.360015	9.75E-16	0.65718	4.52E-59	0.483369	1.02E-28	0.330673	2.23E-13	0.462057
0.383957	7.48E-18	0.464389	2.35E-26	0.360519	8.84E-16	0.38141	1.28E-17	0.41438
0.289137	1.91E-10	0.49646	1.97E-30	0.315754	2.85E-12	0.219128	1.74E-06	0.391145
0.64738	8.11E-57	0.685894	3.46E-66	0.509133	3.65E-32	0.430784	1.59E-22	0.518585
0.572907	4.34E-42	0.691084	1.46E-67	0.533232	1.14E-35	0.460775	6.36E-26	0.528399
0.375121	4.73E-17	0.561699	3.47E-40	0.406194	5.59E-20	0.394847	7.12E-19	0.569752
0.366281	2.83E-16	0.451853	7.08E-25	0.269245	3.37E-09	0.354095	3.06E-15	0.498701
0.701497	2.06E-70	0.768284	3.89E-92	0.616835	2.68E-50	0.544285	2.27E-37	0.664392
0.304967	1.65E-11	0.304009	1.93E-11	0.277756	1.02E-09	0.16782	0.00027	0.165712
0.240032	1.52E-07	0.270019	3.03E-09	0.30067	3.26E-11	0.354185	3.00E-15	0.365322
0.450925	9.06E-25	0.586395	1.78E-44	0.503981	1.88E-31	0.458015	1.35E-25	0.716133
0.539688	1.18E-36	0.406254	5.52E-20	0.353725	3.28E-15	0.286616	2.79E-10	0.338313
0.590833	2.75E-45	0.630197	4.63E-53	0.509338	3.41E-32	0.454807	3.21E-25	0.586809
0.382228	1.08E-17	0.314644	3.43E-12	0.335891	8.85E-14	0.199948	1.34E-05	0.054813
0.436112	4.20E-23	0.612149	2.32E-49	0.409583	2.57E-20	0.43297	9.25E-23	0.526525
0.49451	3.59E-30	0.711998	2.06E-73	0.50382	1.98E-31	0.431256	1.42E-22	0.52964
0.678795	2.37E-64	0.692841	4.91E-68	0.456689	1.93E-25	0.491549	8.86E-30	0.561675
0.605817	4.06E-48	0.416145	5.53E-21	0.465211	1.87E-26	0.381247	1.33E-17	0.434864
0.532407	1.53E-35	0.758085	2.30E-88	0.486903	3.59E-29	0.515621	4.43E-33	0.678628
0.312378	4.98E-12	0.376161	3.82E-17	0.403099	1.13E-19	0.205921	7.25E-06	0.2616
0.70104	2.77E-70	0.595036	4.57E-46	0.597644	1.48E-46	0.362388	6.13E-16	0.336116
-0.05762	0.21395	0.28407	4.06E-10	0.133595	0.00382	0.184149	6.25E-05	0.335723
0.653213	3.78E-58	0.820907	#####	0.755054	2.79E-87	0.54645	1.03E-37	0.593908
0.387562	3.47E-18	0.227351	6.87E-07	0.230388	4.82E-07	0.203443	9.38E-06	0.27247
0.293227	1.03E-10	0.328987	3.00E-13	0.173301	0.00017	0.392666	1.15E-18	0.528847
0.44288	7.45E-24	0.197108	1.78E-05	0.331291	2.00E-13	0.17296	0.00017	0.14059
0.475005	1.17E-27	0.61638	3.31E-50	0.447045	2.52E-24	0.436376	3.93E-23	0.6727
0.36084	8.30E-16	0.689472	3.93E-67	0.382455	1.03E-17	0.429773	2.05E-22	0.603011
0.633767	8.03E-54	0.733919	3.90E-80	0.645547	2.10E-56	0.463538	2.97E-26	0.61896

0.432562	1.02E-22	0.413593	1.01E-20	0.323522	7.71E-13	0.346071	1.38E-14	0.466511
0.431693	1.27E-22	0.652806	4.69E-58	0.502228	3.27E-31	0.423868	8.70E-22	0.575381
0.395775	5.81E-19	0.341577	3.17E-14	0.217362	2.12E-06	0.362099	6.48E-16	0.286254
0.391111	1.61E-18	0.719507	1.21E-75	0.65115	1.13E-57	0.356787	1.82E-15	0.495454
0.629101	7.90E-53	0.780528	6.28E-97	0.610901	4.10E-49	0.552104	1.29E-38	0.705064
0.588733	6.68E-45	0.789689	#####	0.599705	6.04E-47	0.512597	1.19E-32	0.637108
0.42794	3.22E-22	0.594591	5.54E-46	0.606909	2.49E-48	0.347947	9.77E-15	0.384185
0.673945	3.97E-63	0.721403	3.23E-76	0.636032	2.61E-54	0.503827	1.98E-31	0.528058
0.608745	1.09E-48	0.461135	5.76E-26	0.483749	9.16E-29	0.408736	3.12E-20	0.323069
0.422901	1.10E-21	0.691199	1.36E-67	0.553721	7.08E-39	0.380467	1.56E-17	0.452374
-0.03542	0.44505	-0.16315	0.0004	-0.04944	0.28629	-0.01573	0.73465	0.130901
-0.03484	0.45263	-0.30799	1.02E-11	-0.25573	2.08E-08	-0.13081	0.00463	0.043653
-0.02015	0.66406	-0.1067	0.0211	0.004079	0.92995	-0.05176	0.2643	0.154791
-0.02166	0.64053	-0.2969	5.87E-11	-0.20781	5.94E-06	-0.10552	0.02258	0.043054
0.129553	0.00505	-0.23976	1.57E-07	0.036533	0.43091	-0.10709	0.02064	-0.10379
0.080204	0.08339	-0.20708	6.42E-06	-0.13866	0.00267	0.120364	0.00923	0.260027
0.20151	1.14E-05	-0.01114	0.81031	0.171264	0.0002	-0.12572	0.00652	-0.04649
0.166618	0.0003	-0.16251	0.00042	-0.09553	0.03905	0.003218	0.94471	0.150402
0.152598	0.00094	-0.10172	0.02795	0.071011	0.12543	-0.15353	0.00087	-0.07126
-0.07797	0.09239	-0.36014	9.52E-16	-0.23458	2.94E-07	-0.12901	0.00523	-0.00016
0.254833	2.34E-08	-0.15398	0.00084	0.051556	0.26618	-0.0171	0.71243	0.082846
-0.20826	5.67E-06	-0.38085	1.44E-17	-0.30836	9.59E-12	-0.2522	3.29E-08	-0.14071
-0.24556	7.66E-08	-0.24117	1.32E-07	-0.22869	5.88E-07	-0.09135	0.0485	0.110921
0.177284	0.00012	0.109259	0.01818	0.063063	0.17367	0.151124	0.00105	0.372467
-0.0305	0.5109	-0.21438	2.94E-06	-0.04383	0.34465	-0.09323	0.04405	0.061082
0.312506	4.88E-12	0.068125	0.14158	0.096441	0.03722	0.026756	0.56411	0.207022
0.149994	0.00115	-0.13752	0.0029	0.033544	0.46959	0.058565	0.20649	0.133693
0.215578	2.58E-06	-0.00714	0.87771	0.168446	0.00026	0.131913	0.0043	0.277062
0.29016	1.64E-10	0.045781	0.32354	0.082723	0.07411	0.148722	0.00127	0.385419
0.306167	1.36E-11	0.092071	0.04675	0.252335	3.24E-08	0.012153	0.79337	0.216301
0.361323	7.55E-16	0.057284	0.2166	0.298908	4.30E-11	-0.01933	0.67698	0.07007
0.245654	7.57E-08	0.074735	0.10675	0.154534	0.00081	-0.03682	0.42731	0.16471
0.33901	5.05E-14	0.118085	0.01065	0.044168	0.3409	0.228268	6.17E-07	0.31508
-0.19055	3.40E-05	-0.41494	7.35E-21	-0.27634	1.24E-09	-0.28069	6.65E-10	-0.15989
0.075125	0.10493	-0.21825	1.92E-06	-0.05255	0.2571	-0.08228	0.07569	-0.00258
0.085668	0.06435	-0.26162	9.53E-09	-0.16146	0.00046	-0.0698	0.13201	0.063338
0.161469	0.00046	-0.06153	0.18437	0.022896	0.62165	0.061929	0.18155	0.31478
-0.18884	4.01E-05	-0.29645	6.29E-11	-0.27216	2.25E-09	-0.17309	0.00017	-0.035
0.240545	1.43E-07	0.061649	0.18354	0.146038	0.00155	0.11144	0.01598	0.354816
-0.11289	0.01465	-0.38135	1.30E-17	-0.30021	3.51E-11	-0.12735	0.00585	0.05561
0.28817	2.21E-10	0.018968	0.68266	0.15659	0.00068	0.019965	0.66695	0.162265
-0.1688	0.00025	-0.17312	0.00017	-0.1316	0.00439	-0.25897	1.36E-08	0.002656
-0.04279	0.35619	-0.16555	0.00033	-0.10905	0.01841	-0.11319	0.01439	0.137224
-0.23847	1.84E-07	-0.32099	1.19E-12	-0.25893	1.36E-08	-0.28607	3.02E-10	-0.0503
0.10218	0.02724	-0.09681	0.03649	-0.1507	0.00109	-0.02816	0.54383	0.225609

0.053539	0.24821	-0.19137	3.14E-05	-0.04309	0.35281	-0.05354	0.24817	0.017932
0.058977	0.2033	-0.17527	0.00014	-0.11336	0.01424	0.051002	0.27136	0.164953
-0.29417	8.93E-11	-0.34925	7.65E-15	-0.28151	5.91E-10	-0.36467	3.90E-16	-0.17387
-0.13512	0.00344	-0.32232	9.46E-13	-0.19703	1.80E-05	-0.25412	2.57E-08	-0.08526
-0.04235	0.36117	-0.1231	0.00774	-0.07059	0.12768	-0.14331	0.00191	0.07843
0.203167	9.65E-06	0.047151	0.30926	0.059192	0.20166	0.09484	0.0405	0.195166
0.114358	0.01341	-0.14306	0.00194	0.008521	0.85429	-0.02225	0.63152	0.112439
-0.02815	0.54402	-0.27201	2.29E-09	-0.15627	0.0007	-0.21282	3.48E-06	-0.07679
0.049084	0.28982	-0.04027	0.3853	-0.09998	0.03076	0.079653	0.08554	0.310875
0.316241	2.63E-12	0.116818	0.01153	0.144739	0.00171	0.177525	0.00011	0.366174
0.241504	1.27E-07	-0.1199	0.0095	0.040244	0.38556	0.07074	0.12688	0.150995
-0.14178	0.00213	-0.15818	0.0006	-0.10534	0.02281	-0.09522	0.0397	0.161955
-0.02636	0.56996	-0.34162	3.14E-14	-0.15533	0.00076	-0.15977	0.00053	-0.14164
-0.07567	0.10243	-0.14242	0.00203	-0.01783	0.70075	0.01917	0.67947	0.221168
-0.23297	3.56E-07	-0.24911	4.90E-08	-0.21549	2.61E-06	-0.11582	0.01226	0.136189
-0.0445	0.33729	-0.18455	6.02E-05	-0.12866	0.00536	-0.01003	0.82886	0.027165
-0.08274	0.07406	-0.18687	4.84E-05	-0.0699	0.13146	-0.18764	4.50E-05	0.00236
0.11887	0.01014	-0.12926	0.00515	0.085228	0.06574	-0.06314	0.17312	0.09418
0.268651	3.66E-09	0.132751	0.00406	0.181834	7.75E-05	0.240246	1.48E-07	0.374422
0.00014	0.99759	-0.192	2.95E-05	-0.11616	0.012	-0.01371	0.76769	0.065106
0.023175	0.6174	0.063736	0.16911	-0.0708	0.12655	0.095688	0.03873	0.392558
0.167497	0.00028	0.008137	0.86079	0.065043	0.16053	0.064067	0.16691	0.377086
0.191421	3.13E-05	0.134864	0.0035	0.138283	0.00275	0.209941	4.74E-06	0.386411
-0.00183	0.96861	-0.08787	0.05777	0.042961	0.35427	-0.2348	2.86E-07	-0.11608
0.102392	0.02693	-0.25577	2.07E-08	-0.09633	0.03743	-0.15184	0.001	-0.11076
0.089664	0.05282	-0.25505	2.27E-08	-0.14777	0.00136	-0.01474	0.75064	0.086032
0.207926	5.87E-06	-0.08896	0.05472	0.071903	0.12074	-0.01977	0.67007	0.067108
0.259229	1.31E-08	0.199912	1.35E-05	0.18918	3.88E-05	0.092947	0.04469	0.357134
-0.31039	6.90E-12	-0.54354	2.97E-37	-0.48599	4.71E-29	-0.26428	6.66E-09	-0.16558
-0.11237	0.01512	-0.32359	7.62E-13	-0.24764	5.90E-08	-0.22714	7.03E-07	-0.13445
-0.16439	0.00036	-0.47189	2.86E-27	-0.38638	4.47E-18	-0.20191	1.10E-05	-0.12639
0.127539	0.00578	-0.03434	0.45912	0.111717	0.01572	-0.01387	0.76505	0.039284
-0.24879	5.10E-08	-0.44268	7.84E-24	-0.37511	4.74E-17	-0.15369	0.00086	-0.11818
-0.10049	0.02991	-0.28005	7.30E-10	-0.22177	1.30E-06	-0.11222	0.01526	0.128491
0.046951	0.31132	-0.14171	0.00214	0.041021	0.37645	-0.19692	1.82E-05	-0.01563
0.133744	0.00379	0.038999	0.40044	0.084075	0.06949	0.054996	0.23555	0.291869
-0.24428	8.99E-08	-0.24372	9.65E-08	-0.16906	0.00024	-0.20838	5.60E-06	0.070615
-0.07596	0.1011	-0.31928	1.58E-12	-0.1725	0.00018	-0.23663	2.30E-07	-0.01926
-0.20998	4.72E-06	-0.19099	3.26E-05	-0.17058	0.00021	-0.11178	0.01567	0.169574
-0.03923	0.39761	-0.42287	1.11E-21	-0.23707	2.18E-07	-0.2272	6.98E-07	-0.18135
0.063134	0.17318	-0.00091	0.98441	0.059527	0.19911	-0.08851	0.05596	0.091911
0.261933	9.14E-09	0.108159	0.01939	0.087806	0.05795	0.048888	0.29176	0.191954
0.438835	2.10E-23	0.251971	3.39E-08	0.25368	2.72E-08	0.219527	1.67E-06	0.425749
0.169604	0.00023	-0.05627	0.22484	0.027478	0.55364	0.087026	0.06022	0.268912
0.359618	1.05E-15	0.192794	2.73E-05	0.181558	7.95E-05	0.2761	1.29E-09	0.522525

0.175521	0.00014	0.012328	0.79047	-0.04543	0.32725	0.163065	0.0004	0.371768
-0.05119	0.26963	-0.27879	8.76E-10	-0.19009	3.56E-05	-0.14073	0.0023	-0.0492
0.241813	1.22E-07	0.297388	5.44E-11	0.240956	1.36E-07	0.239569	1.61E-07	0.50091
-0.20011	1.32E-05	-0.28143	5.97E-10	-0.17628	0.00013	-0.26654	4.89E-09	-0.01941
-0.09988	0.03093	-0.13349	0.00385	-0.07222	0.11908	-0.24611	7.16E-08	-0.06751
0.113538	0.01409	-0.18237	7.38E-05	0.017477	0.7064	-0.13541	0.00337	-0.03701
0.417469	4.04E-21	0.205951	7.23E-06	0.370799	1.14E-16	0.127508	0.00579	0.340137
-0.05966	0.19814	-0.24238	1.14E-07	-0.20891	5.29E-06	-0.06921	0.13532	0.119727
-0.28106	6.31E-10	-0.28561	3.23E-10	-0.20177	1.11E-05	-0.25753	1.64E-08	-0.00186
0.269621	3.20E-09	0.163215	0.0004	0.083986	0.06979	0.201798	1.11E-05	0.499439
-0.04957	0.28502	-0.35726	1.66E-15	-0.23988	1.55E-07	-0.14041	0.00236	-0.02646
0.287423	2.47E-10	0.087779	0.05803	0.257505	1.65E-08	-0.00509	0.91258	0.084919
-0.08232	0.07554	-0.25528	2.21E-08	-0.06269	0.17625	-0.07401	0.11021	-0.08346
0.047834	0.3023	-0.07776	0.09324	0.037895	0.41392	-0.01705	0.71326	0.154356
0.055335	0.23267	-0.01189	0.79768	-0.11156	0.01587	0.215054	2.73E-06	0.32792
0.082987	0.07319	-0.11241	0.01508	-0.12016	0.00935	0.065613	0.15688	0.25197
-0.20469	8.24E-06	-0.38446	6.73E-18	-0.31033	6.97E-12	-0.09278	0.04508	0.01362
-0.09529	0.03955	-0.13736	0.00293	-0.01831	0.69315	-0.1188	0.01018	0.046759
-0.09328	0.04393	-0.31654	2.50E-12	-0.23867	1.79E-07	-0.11585	0.01224	0.0265
0.027681	0.5507	-0.17879	0.0001	-0.02886	0.5339	-0.08975	0.0526	0.009081
0.196683	1.86E-05	0.131939	0.00429	0.147613	0.00138	0.247716	5.84E-08	0.495355
0.44028	1.45E-23	0.052187	0.26037	0.321209	1.14E-12	0.129759	0.00498	0.098003
0.007983	0.86339	-0.12049	0.00915	-0.00632	0.89171	-0.00105	0.98202	0.129455
-0.07979	0.08501	-0.24892	5.01E-08	-0.19616	1.96E-05	-0.01432	0.75767	0.097237
0.328508	3.26E-13	0.067737	0.14386	0.263007	7.91E-09	0.085713	0.06421	0.18039
-0.01959	0.67284	-0.12811	0.00556	-0.08426	0.06889	-0.05879	0.20472	0.185901
-0.31011	7.22E-12	-0.35238	4.23E-15	-0.36419	4.29E-16	-0.1612	0.00047	-0.10226
0.299562	3.88E-11	-0.0154	0.73988	0.143016	0.00195	-0.00506	0.91323	0.139048
0.044226	0.34027	-0.15119	0.00105	-0.03594	0.43847	-0.15439	0.00082	0.138329
0.336489	7.96E-14	0.090752	0.05	0.201251	1.17E-05	0.23607	2.46E-07	0.423953
0.167454	0.00028	-0.11307	0.0145	0.045809	0.32324	0.039963	0.38889	0.12194
0.371571	9.77E-17	0.126331	0.00626	0.357641	1.55E-15	0.094883	0.04041	0.277085
-0.10125	0.02869	-0.24061	1.42E-07	-0.2381	1.92E-07	-0.16731	0.00028	0.006445
0.077539	0.0942	-0.01727	0.70977	0.079856	0.08474	-0.06198	0.18119	0.143628
0.17158	0.00019	-0.02644	0.56865	0.075468	0.10335	0.133918	0.00374	0.368021
-0.01648	0.72238	-0.04969	0.28387	0.06279	0.17554	-0.11149	0.01593	0.097755
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0.043351	0.34992	-0.29977	3.75E-11	-0.16872	0.00025	-0.10473	0.02361	-0.01769
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0.045656	0.32487	-0.29655	6.20E-11	-0.16755	0.00028	-0.04253	0.35912	0.092654
0.005816	0.90025	-0.29901	4.23E-11	-0.26966	3.18E-09	-0.12688	0.00604	0.003832
0.019491	0.6744	-0.33689	7.40E-14	-0.15415	0.00083	-0.09371	0.04296	-0.01487
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-0.18814	4.29E-05	-0.45525	2.85E-25	-0.31701	2.32E-12	-0.36663	2.65E-16	-0.05582

-0.31055	6.72E-12	-0.38431	6.95E-18	-0.37253	8.04E-17	-0.04576	0.32372	0.112178
-0.00593	0.8983	-0.06772	0.14398	-0.02437	0.5994	0.012178	0.79296	0.181811
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0.12317	0.0077	-0.09985	0.03098	-0.04125	0.37374	0.127893	0.00564	0.199192
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0.089998	0.05194	0.057714	0.21316	0.108681	0.01881	-0.02583	0.57774	0.175011
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0.327322	4.01E-13	0.609726	6.99E-49	0.431171	1.45E-22	0.270484	2.84E-09	0.263979
0.529464	4.22E-35	0.620009	6.09E-51	0.479223	3.46E-28	0.355696	2.25E-15	0.422083
0.540197	9.83E-37	0.541265	6.71E-37	0.48295	1.16E-28	0.344454	1.87E-14	0.308727
0.557376	1.80E-39	0.612508	1.97E-49	0.600581	4.12E-47	0.360144	9.51E-16	0.412812
0.550953	1.98E-38	0.684797	6.70E-66	0.564507	1.18E-40	0.373901	6.08E-17	0.321777
0.523299	3.44E-34	0.62503	5.62E-52	0.391366	1.53E-18	0.363845	4.60E-16	0.394447
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0.420751	1.85E-21	0.462296	4.18E-26	0.197551	1.71E-05	0.329769	2.62E-13	0.296659
0.307825	1.05E-11	0.415422	6.56E-21	0.357531	1.58E-15	0.158342	0.00059	0.221734
0.423752	8.95E-22	0.607551	1.87E-48	0.441086	1.18E-23	0.390311	1.92E-18	0.411081
0.222596	1.18E-06	0.455156	2.93E-25	0.208817	5.35E-06	0.27677	1.17E-09	0.411525
0.566566	5.28E-41	0.598668	9.50E-47	0.410356	2.15E-20	0.399988	2.28E-19	0.389894
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0.605401	4.88E-48	0.671864	1.31E-62	0.644829	3.03E-56	0.40799	3.70E-20	0.434782
0.450749	9.49E-25	0.664028	1.07E-60	0.586498	1.70E-44	0.305796	1.45E-11	0.33518
0.313071	4.45E-12	0.332529	1.61E-13	0.254829	2.34E-08	0.108008	0.01956	0.108452
0.496625	1.87E-30	0.604898	6.11E-48	0.56363	1.65E-40	0.356145	2.06E-15	0.395696
0.133647	0.00381	0.227788	6.53E-07	0.092743	0.04516	0.162416	0.00043	0.133577
0.520485	8.84E-34	0.548801	4.38E-38	0.5327	1.38E-35	0.308943	8.72E-12	0.284557
0.497306	1.52E-30	0.403557	1.02E-19	0.336821	7.49E-14	0.340045	4.19E-14	0.270473
0.574044	2.76E-42	0.727294	4.92E-78	0.683475	1.48E-65	0.46983	5.12E-27	0.450059
0.27069	2.76E-09	0.455085	2.98E-25	0.269185	3.40E-09	0.215711	2.54E-06	0.295013
0.169226	0.00024	0.406959	4.69E-20	0.248767	5.11E-08	0.294554	8.42E-11	0.383386
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0.107244	0.02045	0.305128	1.61E-11	0.15294	0.00091	0.14722	0.00142	0.159279
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0.592145	1.58E-45	0.739008	8.60E-82	0.593713	8.07E-46	0.449879	1.20E-24	0.463688
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0.497566	1.40E-30	0.493925	4.29E-30	0.437137	3.24E-23	0.297298	5.52E-11	0.30415
0.335283	9.87E-14	0.46278	3.66E-26	0.412057	1.44E-20	0.306243	1.35E-11	0.176086
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0.661186	5.12E-60	0.682052	3.46E-65	0.601041	3.36E-47	0.441296	1.12E-23	0.546787
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0.282181	5.36E-10	0.373149	7.09E-17	0.139989	0.00243	0.431044	1.49E-22	0.691376
0.134253	0.00365	0.382779	9.60E-18	0.20054	1.26E-05	0.279855	7.51E-10	0.490466
0.280016	7.34E-10	0.296828	5.93E-11	0.128804	0.00531	0.371137	1.07E-16	0.555968
0.401577	1.59E-19	0.395618	6.01E-19	0.397552	3.92E-19	0.317044	2.30E-12	0.64766
0.268993	3.49E-09	0.335865	8.90E-14	0.283864	4.19E-10	0.212752	3.51E-06	0.453346
0.242237	1.16E-07	0.292757	1.11E-10	0.270088	3.00E-09	0.219243	1.72E-06	0.429623
0.130948	0.00459	0.444066	5.48E-24	0.07193	0.1206	0.382408	1.04E-17	0.606337
0.478978	3.71E-28	0.519348	1.29E-33	0.34052	3.84E-14	0.473332	1.89E-27	0.652221
-0.0955	0.03912	-0.35232	4.29E-15	-0.26135	9.89E-09	-0.20652	6.81E-06	-0.58517

0.296591	6.15E-11	0.234778	2.87E-07	0.059644	0.19823	0.296734	6.02E-11	0.446504
0.114992	0.0129	0.344697	1.79E-14	0.267098	4.53E-09	0.201714	1.12E-05	0.461866
0.58389	5.03E-44	0.769631	1.20E-92	0.517876	2.10E-33	0.489193	1.80E-29	0.800076
0.390106	2.00E-18	0.318674	1.75E-12	0.272821	2.05E-09	0.336488	7.96E-14	0.491716
0.473724	1.69E-27	0.449443	1.34E-24	0.319253	1.59E-12	0.475752	9.45E-28	0.627097
0.37987	1.77E-17	0.421979	1.37E-21	0.263507	7.40E-09	0.262639	8.32E-09	0.521512
0.20377	9.06E-06	0.523646	3.06E-34	0.230326	4.86E-07	0.292971	1.07E-10	0.702766
0.470994	3.68E-27	0.547362	7.41E-38	0.363326	5.09E-16	0.407917	3.77E-20	0.785865
0.263419	7.49E-09	0.255054	2.27E-08	-0.06139	0.18542	0.332082	1.74E-13	0.541773
0.213114	3.37E-06	0.295158	7.67E-11	0.311237	6.01E-12	0.260799	1.06E-08	0.47416
0.312351	5.01E-12	0.203477	9.34E-06	0.183415	6.69E-05	0.311585	5.68E-12	0.5795
0.604313	7.93E-48	0.646608	1.21E-56	0.524281	2.47E-34	0.56121	4.18E-40	0.795738
0.435733	4.62E-23	0.567109	4.28E-41	0.271327	2.52E-09	0.480449	2.42E-28	0.776525
0.425706	5.56E-22	0.477352	5.95E-28	0.300454	3.37E-11	0.304283	1.84E-11	0.637274
0.437095	3.27E-23	0.647625	7.14E-57	0.53272	1.37E-35	0.382688	9.78E-18	0.696166
0.66952	4.95E-62	0.796664	#####	0.609655	7.22E-49	0.546424	1.04E-37	0.789569
0.43526	5.21E-23	0.361845	6.82E-16	0.204568	8.35E-06	0.422359	1.25E-21	0.645931
0.420467	1.98E-21	0.472086	2.70E-27	0.410461	2.09E-20	0.296953	5.82E-11	0.660323
-0.16405	0.00037	-0.34274	2.56E-14	-0.22075	1.46E-06	-0.29829	4.73E-11	-0.53095
0.229726	5.21E-07	0.441265	1.13E-23	0.180505	8.76E-05	0.292317	1.18E-10	0.62038
0.016034	0.72965	0.265921	5.33E-09	0.036802	0.42752	0.307444	1.11E-11	0.488918
0.070247	0.12955	0.311036	6.21E-12	0.164317	0.00036	0.207888	5.90E-06	0.509081
0.23714	2.16E-07	0.282463	5.14E-10	0.207199	6.34E-06	0.285569	3.26E-10	0.598818
0.419257	2.64E-21	0.560678	5.12E-40	0.223103	1.12E-06	0.525123	1.86E-34	0.763668
0.41074	1.96E-20	0.591596	1.99E-45	0.361409	7.42E-16	0.478874	3.83E-28	0.705742
0.506613	8.17E-32	0.59991	5.52E-47	0.488048	2.55E-29	0.489303	1.75E-29	0.803177
0.205274	7.76E-06	0.3636	4.82E-16	0.050583	0.27532	0.272887	2.03E-09	0.617899
0.347445	1.07E-14	0.623627	1.10E-51	0.310401	6.89E-12	0.477438	5.81E-28	0.679919
0.051983	0.26224	-0.37022	1.28E-16	-0.14066	0.00231	-0.19992	1.34E-05	-0.56042
0.145278	0.00165	0.339844	4.34E-14	0.287041	2.62E-10	0.211889	3.85E-06	0.460613
0.4773	6.04E-28	0.460344	7.15E-26	0.349901	6.77E-15	0.493237	5.30E-30	0.658224
0.413977	9.22E-21	0.473268	1.93E-27	0.328446	3.30E-13	0.368809	1.71E-16	0.70758
0.615635	4.68E-50	0.799019	#####	0.600599	4.08E-47	0.534544	7.24E-36	0.828035
0.49467	3.42E-30	0.571181	8.62E-42	0.308718	9.05E-12	0.423704	9.06E-22	0.76655
0.20483	8.12E-06	0.223409	1.08E-06	0.123522	0.00753	0.197112	1.78E-05	0.51791
0.286556	2.81E-10	0.375614	4.28E-17	0.199684	1.38E-05	0.443715	6.00E-24	0.615573
0.298503	4.58E-11	0.480045	2.72E-28	0.320855	1.21E-12	0.344862	1.73E-14	0.623331
0.523992	2.72E-34	0.680662	7.88E-65	0.320387	1.31E-12	0.502651	2.87E-31	0.690811
0.449324	1.38E-24	0.375748	4.16E-17	0.306307	1.33E-11	0.405657	6.32E-20	0.680914
0.368482	1.82E-16	0.386871	4.02E-18	0.099083	0.03229	0.309523	7.94E-12	0.567805
0.487496	3.00E-29	0.65592	8.91E-59	0.350945	5.56E-15	0.481485	1.78E-28	0.755576
0.256279	1.94E-08	0.32815	3.47E-13	0.03273	0.48043	0.296961	5.81E-11	0.446493
0.406146	5.65E-20	0.377448	2.93E-17	0.311245	6.00E-12	0.189175	3.88E-05	0.543445
0.434208	6.78E-23	0.46163	5.03E-26	0.285193	3.44E-10	0.403511	1.03E-19	0.782865
0.437379	3.05E-23	0.496135	2.18E-30	0.439044	1.99E-23	0.375771	4.14E-17	0.720032

0.208961	5.26E-06	0.450853	9.24E-25	0.210732	4.36E-06	0.256364	1.92E-08	0.6377
0.108808	0.01867	0.238838	1.76E-07	0.096279	0.03754	0.308168	9.89E-12	0.538536
0.181369	8.09E-05	0.31554	2.96E-12	0.271769	2.37E-09	0.287879	2.31E-10	0.47619
0.477243	6.14E-28	0.529933	3.59E-35	0.31764	2.08E-12	0.432409	1.06E-22	0.736685
0.530936	2.54E-35	0.611911	2.59E-49	0.514222	7.00E-33	0.454838	3.19E-25	0.748551
0.267221	4.46E-09	0.290368	1.59E-10	0.255546	2.13E-08	0.254915	2.32E-08	0.504951
0.606029	3.69E-48	0.538337	1.90E-36	0.324565	6.45E-13	0.565445	8.17E-41	0.801126
0.204149	8.72E-06	0.347025	1.16E-14	0.104936	0.02334	0.393873	8.82E-19	0.65536
0.359227	1.14E-15	0.20049	1.27E-05	0.148772	0.00126	0.329478	2.75E-13	0.522106
-0.01038	0.82298	-0.31751	2.13E-12	-0.19836	1.57E-05	-0.24936	4.74E-08	-0.49661
0.393963	8.65E-19	0.438429	2.33E-23	0.231687	4.14E-07	0.43883	2.11E-23	0.594208
0.358814	1.23E-15	0.40658	5.12E-20	0.170513	0.00021	0.371565	9.79E-17	0.489373
-0.05402	0.244	-0.32139	1.11E-12	-0.2346	2.93E-07	-0.23453	2.95E-07	-0.45972
0.111228	0.01619	0.439387	1.83E-23	0.150054	0.00114	0.12412	0.00724	0.432782
0.227983	6.38E-07	0.21051	4.46E-06	0.127137	0.00594	0.233624	3.29E-07	0.397839
0.314011	3.81E-12	0.306574	1.28E-11	0.159727	0.00053	0.274684	1.57E-09	0.454568
0.252334	3.24E-08	0.27193	2.32E-09	0.362455	6.05E-16	0.252305	3.25E-08	0.562733
0.401158	1.75E-19	0.511163	1.89E-32	0.411962	1.48E-20	0.453255	4.87E-25	0.667333
0.358891	1.21E-15	0.575974	1.27E-42	0.401047	1.80E-19	0.398151	3.43E-19	0.666079
0.480067	2.70E-28	0.616302	3.43E-50	0.281702	5.75E-10	0.501809	3.73E-31	0.741821
0.496337	2.05E-30	0.686558	2.32E-66	0.46013	7.59E-26	0.513395	9.17E-33	0.739384
0.407499	4.15E-20	0.513295	9.48E-33	0.340106	4.14E-14	0.377477	2.91E-17	0.599187
0.623798	1.01E-51	0.685033	5.81E-66	0.500387	5.83E-31	0.446805	2.68E-24	0.738192
0.499857	6.88E-31	0.687511	1.30E-66	0.398404	3.24E-19	0.445215	4.06E-24	0.694533
0.300512	3.34E-11	0.286558	2.81E-10	0.268937	3.52E-09	0.353229	3.61E-15	0.539888
0.234186	3.08E-07	0.467629	9.50E-27	0.259769	1.22E-08	0.38171	1.20E-17	0.645596
0.271374	2.51E-09	0.419119	2.73E-21	0.162277	0.00043	0.434564	6.20E-23	0.554146
0.587665	1.05E-44	0.641504	1.66E-55	0.499336	8.09E-31	0.570291	1.23E-41	0.778481
0.367589	2.18E-16	0.220711	1.46E-06	0.161155	0.00047	0.32823	3.42E-13	0.579055
0.225073	8.92E-07	0.392591	1.17E-18	0.05871	0.20536	0.325229	5.75E-13	0.572887
0.507263	6.64E-32	0.543134	3.43E-37	0.431422	1.36E-22	0.427314	3.75E-22	0.677601
0.491043	1.03E-29	0.456663	1.95E-25	0.284449	3.84E-10	0.475987	8.83E-28	0.664601
0.385771	5.09E-18	0.329696	2.65E-13	0.324445	6.58E-13	0.39395	8.68E-19	0.553442
0.293446	9.97E-11	0.23196	4.01E-07	0.122403	0.0081	0.247585	5.94E-08	0.513861
0.18297	6.98E-05	0.393199	1.02E-18	0.235653	2.58E-07	0.238144	1.91E-07	0.531346
0.141665	0.00215	0.329169	2.91E-13	-0.00889	0.84805	0.381717	1.20E-17	0.506586
0.258256	1.49E-08	0.334727	1.09E-13	0.197665	1.69E-05	0.30208	2.61E-11	0.634191
0.248081	5.58E-08	0.254356	2.49E-08	0.088633	0.05562	0.223719	1.04E-06	0.422412
-0.263	7.92E-09	-0.30546	1.53E-11	-0.20119	1.18E-05	-0.46838	7.71E-27	-0.46443
0.38817	3.04E-18	0.386978	3.93E-18	0.354363	2.90E-15	0.344716	1.78E-14	0.69615
-0.20997	4.73E-06	-0.24546	7.76E-08	-0.21127	4.12E-06	-0.3086	9.22E-12	-0.47376
0.463646	2.88E-26	0.43089	1.55E-22	0.164865	0.00035	0.453963	4.03E-25	0.692872
0.232566	3.73E-07	0.437475	2.97E-23	0.17315	0.00017	0.227626	6.65E-07	0.49849
0.260951	1.04E-08	0.284024	4.09E-10	-0.04386	0.34423	0.304959	1.65E-11	0.542004
0.327828	3.67E-13	0.5026	2.91E-31	0.17031	0.00022	0.369261	1.56E-16	0.682831

-0.06725	0.14677	-0.30134	2.94E-11	-0.04673	0.31357	-0.22171	1.31E-06	-0.45602
0.29594	6.81E-11	0.289715	1.76E-10	0.203702	9.13E-06	0.370569	1.20E-16	0.603262
-0.23548	2.64E-07	-0.25462	2.41E-08	-0.2584	1.46E-08	-0.27488	1.53E-09	-0.43436
0.31887	1.70E-12	0.260475	1.11E-08	0.071636	0.12213	0.309379	8.13E-12	0.599708
0.516514	3.30E-33	0.746749	2.18E-84	0.427806	3.33E-22	0.50881	4.04E-32	0.831957
0.529997	3.51E-35	0.7449	9.27E-84	0.423828	8.79E-22	0.439787	1.65E-23	0.706718
0.443075	7.08E-24	0.620912	3.98E-51	0.375983	3.96E-17	0.465152	1.90E-26	0.788309
0.357726	1.52E-15	0.301492	2.87E-11	0.138026	0.0028	0.331826	1.82E-13	0.461134
-0.04027	0.3853	-0.33626	8.28E-14	-0.29729	5.52E-11	-0.31339	4.22E-12	-0.48847
0.581859	1.16E-43	0.772599	8.62E-94	0.548079	5.70E-38	0.527101	9.48E-35	0.737628
0.344439	1.87E-14	0.455887	2.40E-25	0.254236	2.53E-08	0.485079	6.18E-29	0.722981
0.17275	0.00018	0.219421	1.69E-06	0.082346	0.07544	0.312605	4.80E-12	0.491696
0.26083	1.06E-08	0.302336	2.51E-11	0.236099	2.45E-07	0.230135	4.97E-07	0.499739
0.244249	9.03E-08	0.397477	3.98E-19	0.220391	1.52E-06	0.352751	3.95E-15	0.511922
0.713404	7.97E-74	0.746379	2.91E-84	0.579912	2.58E-43	0.577923	5.79E-43	0.843255
0.208814	5.35E-06	0.250414	4.14E-08	0.215557	2.59E-06	0.239331	1.66E-07	0.555211
0.267547	4.26E-09	0.471556	3.14E-27	0.173209	0.00017	0.367707	2.13E-16	0.649703
0.410779	1.94E-20	0.430341	1.78E-22	0.140398	0.00236	0.463698	2.84E-26	0.69915
0.483684	9.34E-29	0.44741	2.29E-24	0.411195	1.77E-20	0.408452	3.33E-20	0.62623
0.215845	2.51E-06	0.209772	4.83E-06	0.153286	0.00089	0.328611	3.20E-13	0.520771
0.58873	6.68E-45	0.70796	3.04E-72	0.49873	9.77E-31	0.503282	2.35E-31	0.778984
-0.00375	0.93558	0.145282	0.00164	-0.17109	0.0002	0.187	4.78E-05	0.503466
0.192359	2.85E-05	0.320094	1.38E-12	0.281247	6.14E-10	0.347085	1.15E-14	0.478363
0.369729	1.42E-16	0.17949	9.61E-05	0.020514	0.65836	0.383834	7.68E-18	0.521186
0.570815	9.97E-42	0.663845	1.19E-60	0.528145	6.63E-35	0.444306	5.15E-24	0.741257
0.285766	3.16E-10	0.431349	1.39E-22	0.273166	1.95E-09	0.370695	1.17E-16	0.73665
0.487014	3.47E-29	0.600995	3.43E-47	0.243072	1.04E-07	0.499368	8.01E-31	0.859954
0.442777	7.65E-24	0.358695	1.26E-15	0.372436	8.20E-17	0.435533	4.86E-23	0.597696
0.354647	2.75E-15	0.501114	4.64E-31	0.26273	8.21E-09	0.505533	1.15E-31	0.645445
0.525277	1.76E-34	0.720655	5.44E-76	0.503311	2.33E-31	0.530159	3.32E-35	0.728562
0.251361	3.67E-08	0.242842	1.08E-07	0.154693	0.0008	0.203551	9.27E-06	0.497868
0.314494	3.52E-12	0.327679	3.77E-13	0.355773	2.22E-15	0.373411	6.72E-17	0.521306
0.299388	3.99E-11	0.377027	3.19E-17	0.206832	6.59E-06	0.271987	2.30E-09	0.502342
0.188094	4.31E-05	0.301805	2.73E-11	0.200878	1.22E-05	0.312437	4.94E-12	0.494217
0.648066	5.67E-57	0.661593	4.10E-60	0.435368	5.07E-23	0.546426	1.04E-37	0.775244
0.505775	1.07E-31	0.655087	1.39E-58	0.486155	4.48E-29	0.455334	2.79E-25	0.807373
0.229624	5.27E-07	0.370319	1.26E-16	0.28558	3.25E-10	0.189091	3.91E-05	0.541875
0.411151	1.78E-20	0.509431	3.31E-32	0.294626	8.33E-11	0.380703	1.49E-17	0.713966
0.413712	9.81E-21	0.527692	7.74E-35	0.408931	2.98E-20	0.359164	1.15E-15	0.658217
0.244459	8.79E-08	0.461926	4.63E-26	0.271904	2.33E-09	0.332867	1.52E-13	0.774803
0.482029	1.52E-28	0.55855	1.15E-39	0.141698	0.00214	0.458309	1.25E-25	0.761136
0.457758	1.45E-25	0.666949	2.11E-61	0.406167	5.63E-20	0.439964	1.58E-23	0.75251
0.32336	7.92E-13	0.409925	2.37E-20	0.312005	5.30E-12	0.344623	1.81E-14	0.635835
0.390136	1.99E-18	0.604981	5.89E-48	0.354604	2.77E-15	0.404532	8.17E-20	0.715859
0.487307	3.18E-29	0.638927	6.12E-55	0.456369	2.11E-25	0.509416	3.33E-32	0.801011

0.274939	1.52E-09	0.320241	1.35E-12	0.027273	0.5566	0.370564	1.20E-16	0.487088
0.524133	2.60E-34	0.807334	#####	0.627996	1.35E-52	0.492361	6.92E-30	0.791747
0.172478	0.00018	0.379393	1.95E-17	0.278169	9.58E-10	0.304985	1.65E-11	0.533268
0.245164	8.05E-08	0.314534	3.49E-12	0.292389	1.17E-10	0.266214	5.12E-09	0.502007
0.392312	1.24E-18	0.675214	1.91E-63	0.385431	5.47E-18	0.554988	4.41E-39	0.743878
0.363205	5.22E-16	0.429455	2.22E-22	0.140166	0.0024	0.345719	1.48E-14	0.646059
0.287215	2.55E-10	0.386982	3.93E-18	0.097396	0.03537	0.393346	9.90E-19	0.598914
0.245171	8.05E-08	0.218748	1.82E-06	0.051111	0.27034	0.315114	3.17E-12	0.565898
0.308134	9.94E-12	0.281146	6.23E-10	0.194032	2.42E-05	0.311532	5.73E-12	0.468231
0.488322	2.34E-29	0.68739	1.40E-66	0.435768	4.58E-23	0.454342	3.64E-25	0.77735
0.330398	2.34E-13	0.498939	9.15E-31	0.376217	3.78E-17	0.324395	6.64E-13	0.648279
-0.31146	5.79E-12	-0.33705	7.19E-14	-0.33652	7.91E-14	-0.34555	1.53E-14	-0.54614
0.216687	2.29E-06	0.374967	4.88E-17	-0.0084	0.85629	0.387456	3.55E-18	0.459783
0.193802	2.48E-05	0.343929	2.06E-14	0.225689	8.31E-07	0.233917	3.18E-07	0.557196
0.329325	2.83E-13	0.196105	1.97E-05	0.124599	0.00702	0.294826	8.08E-11	0.513252
0.463306	3.17E-26	0.428552	2.77E-22	0.327231	4.07E-13	0.391886	1.36E-18	0.629223
0.550323	2.50E-38	0.737632	2.43E-81	0.412958	1.17E-20	0.456427	2.08E-25	0.840443
0.249929	4.41E-08	0.448327	1.80E-24	0.291129	1.42E-10	0.341437	3.25E-14	0.537542
0.284098	4.05E-10	0.401107	1.77E-19	0.304355	1.82E-11	0.371688	9.55E-17	0.704212
0.266512	4.91E-09	0.344288	1.93E-14	0.162918	0.00041	0.343423	2.26E-14	0.621057
0.365727	3.16E-16	0.629045	8.12E-53	0.253099	2.93E-08	0.468179	8.15E-27	0.736098
0.54424	2.30E-37	0.64716	9.09E-57	0.455898	2.39E-25	0.543922	2.58E-37	0.6886
0.243707	9.66E-08	0.284881	3.61E-10	0.2712	2.57E-09	0.316066	2.71E-12	0.451305
-0.03106	0.50316	-0.3004	3.40E-11	-0.18966	3.71E-05	-0.13046	0.00475	-0.47986
0.259083	1.34E-08	0.364816	3.79E-16	0.143634	0.00186	0.363824	4.62E-16	0.59905
0.182714	7.15E-05	0.255558	2.13E-08	-0.07058	0.12774	0.22515	8.84E-07	0.586323
0.297572	5.29E-11	0.363649	4.78E-16	0.126551	0.00617	0.252197	3.30E-08	0.583734
0.458267	1.26E-25	0.513144	9.95E-33	0.262317	8.68E-09	0.469419	5.75E-27	0.714882
0.477648	5.46E-28	0.642904	8.15E-56	0.475262	1.09E-27	0.392079	1.31E-18	0.751203
0.287972	2.28E-10	0.2956	7.17E-11	0.05028	0.27821	0.339347	4.75E-14	0.648342
0.64051	2.75E-55	0.701789	1.71E-70	0.505811	1.05E-31	0.580347	2.16E-43	0.848029
0.220672	1.47E-06	0.410572	2.04E-20	0.247002	6.39E-08	0.324351	6.69E-13	0.557682
0.37923	2.02E-17	0.358693	1.26E-15	0.296541	6.20E-11	0.204792	8.15E-06	0.492482
0.410846	1.91E-20	0.499981	6.62E-31	0.430686	1.63E-22	0.416822	4.71E-21	0.705082
0.18501	5.77E-05	0.202347	1.05E-05	0.043421	0.34913	0.270931	2.67E-09	0.590351
0.497918	1.26E-30	0.580048	2.44E-43	0.299198	4.11E-11	0.53539	5.38E-36	0.777508
0.53936	1.32E-36	0.639019	5.85E-55	0.341478	3.23E-14	0.52556	1.60E-34	0.850321
0.430188	1.85E-22	0.631259	2.76E-53	0.40524	6.95E-20	0.494282	3.85E-30	0.741843
0.671656	1.47E-62	0.788379	#####	0.535792	4.67E-36	0.526557	1.14E-34	0.795994
-0.03931	0.39664	-0.39349	9.60E-19	-0.156	0.00072	-0.2942	8.89E-11	-0.55403
0.59884	8.81E-47	0.806843	#####	0.51196	1.46E-32	0.52799	6.99E-35	0.810351
0.122237	0.00818	0.427101	3.96E-22	0.231146	4.41E-07	0.221806	1.29E-06	0.555013
0.427731	3.39E-22	0.374604	5.26E-17	0.300327	3.44E-11	0.38332	8.56E-18	0.597336
0.686421	2.52E-66	0.777368	1.16E-95	0.549183	3.80E-38	0.545488	1.47E-37	0.782861
-0.10643	0.02143	-0.31971	1.47E-12	-0.05304	0.25262	-0.28703	2.62E-10	-0.43222

0.385446	5.45E-18	0.603078	1.37E-47	0.462956	3.49E-26	0.242594	1.11E-07	0.350817
0.048189	0.29871	0.168534	0.00025	-0.06543	0.15806	0.04141	0.37193	-0.04784
0.042008	0.36506	0.247646	5.89E-08	0.204836	8.12E-06	-0.00426	0.92685	0.094548
0.479316	3.37E-28	0.70417	3.66E-71	0.55644	2.56E-39	0.328411	3.32E-13	0.42346
0.622146	2.22E-51	0.704098	3.84E-71	0.606019	3.71E-48	0.410388	2.13E-20	0.446903
0.154622	0.0008	0.298357	4.68E-11	0.231886	4.04E-07	0.030869	0.50576	-0.08401
0.435557	4.83E-23	0.663119	1.77E-60	0.457671	1.48E-25	0.275172	1.47E-09	0.268151
0.565441	8.18E-41	0.637878	1.04E-54	0.522303	4.81E-34	0.334802	1.08E-13	0.411702
0.295401	7.39E-11	0.336187	8.40E-14	0.162489	0.00042	0.21729	2.14E-06	0.234201
0.222035	1.26E-06	0.473931	1.59E-27	0.292995	1.07E-10	0.052595	0.25666	0.06257
0.11867	0.01027	0.216562	2.32E-06	0.211707	3.93E-06	-0.20212	1.07E-05	-0.17588
0.108914	0.01855	0.293205	1.03E-10	0.260728	1.07E-08	-0.05647	0.22321	-0.11652
0.249631	4.58E-08	0.526791	1.05E-34	0.430736	1.61E-22	0.124507	0.00706	0.172603
0.2913	1.38E-10	0.458651	1.14E-25	0.39903	2.82E-19	0.184123	6.27E-05	0.124965
0.317263	2.22E-12	0.593219	9.97E-46	0.421518	1.54E-21	0.200538	1.26E-05	0.279461
-0.10239	0.02692	0.23235	3.83E-07	0.062689	0.17624	-0.07838	0.09067	0.000182
0.467604	9.57E-27	0.586481	1.71E-44	0.393807	8.95E-19	0.31978	1.46E-12	0.293781
0.399764	2.39E-19	0.633307	1.01E-53	0.48414	8.16E-29	0.257123	1.73E-08	0.324004
0.454291	3.69E-25	0.657366	4.09E-59	0.597244	1.76E-46	0.159383	0.00055	0.217092
0.310249	7.06E-12	0.54571	1.35E-37	0.423041	1.06E-21	0.225162	8.83E-07	0.207324
0.208883	5.31E-06	0.551181	1.82E-38	0.411229	1.75E-20	0.143096	0.00194	0.233308
0.065648	0.15666	0.450839	9.27E-25	0.352947	3.80E-15	0.048485	0.29575	0.180823
0.171959	0.00019	0.314283	3.64E-12	0.288002	2.27E-10	0.109317	0.01812	0.112188
0.426315	4.80E-22	0.665494	4.75E-61	0.51418	7.10E-33	0.270495	2.83E-09	0.284299
0.544394	2.18E-37	0.692012	8.22E-68	0.574472	2.33E-42	0.345792	1.46E-14	0.382859
0.230061	5.01E-07	0.458496	1.18E-25	0.387809	3.29E-18	0.090287	0.05119	0.07487
0.469512	5.60E-27	0.547665	6.63E-38	0.344039	2.02E-14	0.311129	6.11E-12	0.301602
0.475309	1.07E-27	0.615721	4.49E-50	0.512796	1.11E-32	0.309399	8.10E-12	0.380239
0.291562	1.33E-10	0.642426	1.04E-55	0.486686	3.83E-29	0.262025	9.03E-09	0.365979
0.489831	1.49E-29	0.65628	7.34E-59	0.620187	5.60E-51	0.246989	6.40E-08	0.260885
0.332997	1.48E-13	0.490424	1.25E-29	0.496579	1.90E-30	0.121861	0.00838	0.221252
0.257599	1.63E-08	0.209528	4.96E-06	0.305399	1.54E-11	-0.00402	0.93101	-0.09155
0.058825	0.20448	0.225632	8.37E-07	0.137232	0.00296	-0.06504	0.16056	-0.07147
0.335008	1.04E-13	0.568748	2.25E-41	0.473939	1.59E-27	0.172535	0.00018	0.344246
0.355307	2.42E-15	0.617956	1.59E-50	0.576229	1.15E-42	0.188358	4.20E-05	0.331088
0.371544	9.83E-17	0.582541	8.78E-44	0.502439	3.06E-31	0.28067	6.68E-10	0.37887
0.344834	1.74E-14	0.533408	1.08E-35	0.497838	1.29E-30	0.193563	2.54E-05	0.179521
0.268279	3.85E-09	0.395222	6.56E-19	0.387602	3.44E-18	0.040516	0.38235	-0.00415
0.375007	4.85E-17	0.332872	1.52E-13	0.438853	2.09E-23	0.090215	0.05138	-0.05436
0.214467	2.91E-06	0.372299	8.43E-17	0.230404	4.81E-07	0.077444	0.0946	0.020076
0.030155	0.51565	0.17082	0.00021	0.184325	6.15E-05	0.07931	0.0869	0.086337
-0.0149	0.74803	0.035313	0.44647	0.009069	0.84504	0.095475	0.03917	0.117849
0.1225	0.00805	0.11123	0.01618	0.115005	0.01289	0.10993	0.01748	0.02338
0.198991	1.48E-05	0.177735	0.00011	0.135524	0.00334	0.264153	6.78E-09	0.156146
0.06565	0.15665	0.183818	6.45E-05	0.086243	0.06257	0.278979	8.52E-10	0.176407

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0.071598	0.12232	0.023823	0.6076	0.028651	0.53683	0.069697	0.13259	-0.0065
0.260153	1.16E-08	0.247925	5.69E-08	0.313044	4.47E-12	0.222101	1.25E-06	0.257691
-0.05281	0.25468	0.040084	0.38745	0.021679	0.64029	0.038813	0.40269	0.026327
-0.02717	0.55802	0.048941	0.29123	0.037114	0.42361	0.013397	0.77277	0.056609
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0.192264	2.88E-05	0.251963	3.40E-08	0.163929	0.00037	0.256532	1.87E-08	0.209939
0.103352	0.02552	0.065145	0.15987	0.03209	0.48907	0.213574	3.21E-06	0.087935
0.008954	0.84698	0.019543	0.67359	0.015382	0.74024	0.054481	0.23997	0.037537
-0.00173	0.97032	0.040297	0.38493	0.034032	0.46314	0.089613	0.05296	-0.00293
0.044773	0.33432	0.005009	0.91403	0.024596	0.59599	0.073757	0.11143	-0.01394
0.136733	0.00307	0.103493	0.02532	0.102516	0.02674	0.165583	0.00033	0.056681
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0.004548	0.92191	0.010419	0.82232	0.032607	0.48209	-0.01281	0.78248	-0.01541
-0.15369	0.00086	-0.10731	0.02037	-0.05885	0.20427	-0.07695	0.09673	-0.07832
-0.1024	0.02691	-0.12099	0.00887	-0.07762	0.09384	0.003408	0.94145	-0.05708
0.080317	0.08295	0.212327	3.67E-06	0.140995	0.00226	0.12521	0.00674	0.134322
-0.02755	0.55261	-0.07115	0.12471	-0.08125	0.07943	0.004248	0.92706	0.025527
0.218773	1.82E-06	0.16621	0.00031	0.224953	9.05E-07	0.17624	0.00013	0.172594
-0.00646	0.88935	-0.0012	0.97935	0.011766	0.79981	0.072118	0.11963	-0.05679
0.021955	0.63605	0.119483	0.00975	0.11345	0.01417	0.153005	0.00091	0.066411
-0.13158	0.0044	-0.12889	0.00528	-0.04777	0.3029	-0.05251	0.25747	-0.18633
-0.10159	0.02815	-0.11512	0.0128	-0.11235	0.01513	0.038157	0.41069	-0.04507
-0.03461	0.45563	-0.10043	0.03001	-0.10029	0.03023	0.076496	0.09872	-0.06095
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-0.10312	0.02585	-0.08556	0.06468	-0.07482	0.10633	0.019559	0.67332	-0.03048
-0.00518	0.91106	0.202077	1.08E-05	0.158074	0.00061	0.140593	0.00233	0.215544
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-0.05238	0.25862	-0.04226	0.36213	-0.01692	0.71541	-0.02751	0.55315	-0.01677
0.075873	0.10151	0.106606	0.02121	0.135109	0.00344	0.142605	0.00201	-0.02161
0.12649	0.0062	0.134305	0.00364	0.030188	0.51519	0.154138	0.00083	0.091875
0.06318	0.17287	0.04668	0.31412	0.036218	0.4349	0.092304	0.04619	0.100272
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0.138021	0.0028	-0.03905	0.39981	-0.01098	0.81292	-0.02227	0.6312	-0.22871
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0.140101	0.00241	0.037977	0.4129	0.08767	0.05834	0.191411	3.13E-05	-0.01278
0.206473	6.84E-06	0.197693	1.68E-05	0.073182	0.11425	0.329751	2.62E-13	0.303646
0.136545	0.00311	0.114297	0.01346	0.17924	9.84E-05	0.074687	0.10698	0.077271
-0.081	0.08036	0.02446	0.59802	-0.06847	0.13956	0.075197	0.1046	0.132756

0.195268	2.14E-05	0.199604	1.39E-05	0.157034	0.00066	0.268853	3.56E-09	0.246797
0.08421	0.06904	0.042742	0.35674	0.058345	0.20819	0.02302	0.61976	0.027457
0.017821	0.70089	-0.00878	0.84999	0.017762	0.70184	0.047241	0.30834	-0.05598
-0.06102	0.18805	-0.08059	0.08191	-0.08273	0.07409	0.034307	0.45953	-0.00873
-0.00633	0.89143	-0.06136	0.18564	-0.04179	0.36752	0.013663	0.76839	-0.07022
-0.05692	0.21954	-0.09934	0.03185	-0.07196	0.12043	-0.08296	0.07327	-0.14962
0.151541	0.00102	0.089508	0.05324	0.081508	0.07847	0.233553	3.32E-07	0.175537
0.000789	0.98644	-0.03707	0.42414	-0.03754	0.41835	0.073806	0.11119	0.018607
-0.04794	0.30127	-0.01946	0.6749	-0.06575	0.15603	0.119824	0.00955	0.087098
-0.05974	0.19754	-0.10739	0.02027	-0.06713	0.14747	0.007763	0.86712	-0.07458
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-0.08415	0.06925	-0.11387	0.01381	-0.10672	0.02107	0.02936	0.52679	-0.11734
-0.11168	0.01576	-0.07229	0.11874	-0.10192	0.02764	0.085005	0.06645	0.078561
0.039652	0.39259	0.000384	0.9934	0.026687	0.56511	-0.03297	0.47716	-0.10145
-0.0128	0.78258	-0.09981	0.03104	-0.04602	0.32104	0.008444	0.85558	-0.13987
0.059732	0.19756	0.003946	0.93223	0.00272	0.95325	0.159894	0.00052	0.176972
-0.056	0.22713	-0.028	0.54613	-0.04152	0.37071	0.179219	9.85E-05	0.145025
-0.08398	0.06981	0.017802	0.7012	-0.00233	0.95997	-0.01013	0.82723	-0.06281
-0.00184	0.96844	0.089193	0.05408	0.008411	0.85615	0.088377	0.05633	0.02854
0.06962	0.13302	0.018575	0.68889	0.067076	0.14782	-0.01447	0.75505	-0.01168
-0.00866	0.8519	-0.02132	0.64584	-0.00345	0.94079	-0.03844	0.40728	-0.06234
-0.00971	0.83422	0.224528	9.50E-07	0.124431	0.0071	0.257859	1.57E-08	0.285422
0.061963	0.18131	0.223009	1.13E-06	0.227081	7.08E-07	0.053033	0.25271	0.057904
0.018707	0.68679	0.027589	0.55204	0.03223	0.48718	0.031321	0.49954	0.071032
-0.09594	0.03822	-0.09828	0.03373	-0.06501	0.16074	0.011643	0.80186	0.102173
-0.02988	0.51955	0.163368	0.00039	0.052552	0.25704	0.220343	1.52E-06	0.180569
0.058729	0.20522	0.114816	0.01304	0.128428	0.00545	0.077992	0.09229	0.017121
0.057836	0.2122	0.036791	0.42766	0.080162	0.08355	0.051946	0.26258	0.044386
-0.0603	0.19332	-0.01248	0.78789	0.00699	0.88025	-0.02055	0.65773	-0.0279
0.000765	0.98684	0.087546	0.0587	0.090627	0.05032	0.05377	0.24617	0.058144
0.260157	1.16E-08	0.266574	4.87E-09	0.241141	1.33E-07	0.26288	8.05E-09	0.251772
-0.04565	0.32492	0.159326	0.00055	0.110588	0.01681	0.039258	0.39731	0.049945
0.28614	2.99E-10	0.179502	9.60E-05	0.237773	2.00E-07	0.178216	0.00011	-0.05882
0.125219	0.00674	0.040933	0.37747	0.103293	0.0256	0.104943	0.02333	-0.0104
-0.00226	0.96113	0.033277	0.47313	0.053661	0.24713	0.005943	0.89808	-0.02439
0.086763	0.061	0.085683	0.0643	0.141659	0.00215	0.045725	0.32413	-0.00259
0.277419	1.07E-09	0.294926	7.95E-11	0.251555	3.58E-08	0.300166	3.53E-11	0.075124
0.122731	0.00793	-0.01942	0.67544	-0.01775	0.70208	0.010552	0.8201	-0.01372
0.015835	0.73287	0.087435	0.05902	0.133339	0.00389	0.014153	0.76033	0.010494
0.006512	0.88839	0.037064	0.42424	0.090678	0.05019	0.000701	0.98794	-0.04371
0.022457	0.62834	0.048686	0.29376	0.12598	0.00641	0.032956	0.47741	-0.02106
0.275392	1.42E-09	0.185927	5.29E-05	0.268659	3.66E-09	0.236907	2.22E-07	0.216964
-0.10839	0.01913	0.056299	0.22462	-0.11236	0.01512	0.112638	0.01488	0.18488
-0.17667	0.00012	0.001229	0.97887	-0.06499	0.16084	-0.0339	0.46488	0.084242
0.014618	0.7527	-0.01935	0.67658	-0.00484	0.91685	0.067211	0.14701	0.028629



-0.0239	0.60639	-0.00558	0.90421	-0.01466	0.75207	0.042205	0.36281	-0.02681
-0.11314	0.01443	-0.0246	0.5959	-0.06445	0.16436	0.089932	0.05212	0.054683
0.090882	0.04967	0.130864	0.00462	0.04964	0.28439	0.327209	4.09E-13	0.232173
0.250435	4.13E-08	0.085128	0.06606	0.152111	0.00098	0.271361	2.51E-09	0.071644
0.05167	0.26513	0.087119	0.05995	0.111075	0.01633	0.070221	0.1297	0.034407
-0.05567	0.22984	-0.09584	0.03843	-0.04491	0.33289	-0.03306	0.47605	-0.07466
0.0709	0.12602	0.010737	0.81699	-0.0223	0.63075	0.080493	0.08228	-0.03284
0.04193	0.36595	0.059182	0.20174	-0.01407	0.76168	0.208353	5.61E-06	0.186928
-0.15623	0.0007	-0.12565	0.00655	-0.09234	0.0461	-0.02322	0.61669	0.014177
-0.17077	0.00021	-0.07076	0.12679	-0.06073	0.19016	-0.04792	0.30138	-0.06986
0.029396	0.52628	0.031975	0.49062	0.017155	0.71157	0.104531	0.02388	-0.04563
0.013697	0.76783	0.071029	0.12533	0.083184	0.07251	0.130427	0.00476	0.020875
-0.12892	0.00527	-0.25769	1.61E-08	-0.10829	0.01924	-0.13497	0.00347	-0.35697
0.06805	0.14201	0.060783	0.18978	0.138619	0.00268	0.070383	0.12881	-0.02707
-0.04621	0.31903	-0.10563	0.02243	-0.0762	0.10005	0.010467	0.82152	-0.09373
0.057056	0.21844	0.049631	0.28447	0.065299	0.15888	0.076062	0.10065	-0.01304
0.102993	0.02604	0.150064	0.00114	0.181362	8.10E-05	0.093672	0.04304	0.069795
-0.10759	0.02004	-0.09881	0.03277	-0.07403	0.11012	-0.00018	0.9969	-0.19071
0.036775	0.42787	0.076284	0.09966	0.066814	0.14941	0.08433	0.06865	0.009813
0.076927	0.09683	0.086686	0.06123	0.098493	0.03334	0.248525	5.27E-08	0.188897
0.093913	0.04251	0.03086	0.50588	0.054888	0.23647	0.04381	0.34484	0.036194
-0.06087	0.18914	-0.01745	0.70688	-0.10641	0.02145	0.098815	0.03277	0.09811
0.117885	0.01078	0.24015	1.50E-07	0.184056	6.31E-05	0.157951	0.00061	0.202072
-0.00014	0.99765	-0.00888	0.84822	-0.00806	0.86212	0.049996	0.28094	0.044176
0.129458	0.00508	0.228544	5.98E-07	0.298008	4.94E-11	0.192696	2.76E-05	0.152863
-0.13956	0.00251	-0.00547	0.90609	-0.05386	0.24541	0.089501	0.05326	0.126547
0.061834	0.18223	0.110551	0.01685	0.070426	0.12858	0.062221	0.17949	-0.05238
0.291011	1.44E-10	0.100926	0.0292	0.130238	0.00482	0.119384	0.00982	0.141179
-0.09101	0.04934	-0.1198	0.00956	-0.02693	0.56161	-0.05802	0.21077	-0.1556
0.123246	0.00767	0.195782	2.04E-05	0.219553	1.66E-06	0.155893	0.00072	0.095709
0.041847	0.3669	0.316601	2.48E-12	0.154408	0.00081	0.200106	1.32E-05	0.197993
0.019113	0.68037	-0.03324	0.47366	-0.00471	0.91912	0.057915	0.21157	-0.03279
-0.04581	0.32322	0.122598	0.008	0.06312	0.17328	0.082978	0.07322	0.182858
-0.07178	0.1214	0.028	0.54612	0.011106	0.81081	0.01805	0.69724	0.074797
0.086249	0.06256	0.000553	0.99049	0.025781	0.5784	0.105096	0.02313	-0.03619
-0.01254	0.78698	0.088635	0.05561	0.019542	0.6736	0.140467	0.00235	0.184061
0.073814	0.11115	0.07575	0.10206	0.079277	0.08703	0.06382	0.16855	-0.03346
-0.08123	0.07948	0.128633	0.00537	0.140835	0.00228	0.105144	0.02306	0.117264
0.152904	0.00092	0.132287	0.00419	0.096893	0.03633	0.261623	9.53E-09	0.156265
0.005789	0.9007	0.105751	0.02228	0.044299	0.33947	0.091636	0.0478	0.105464
0.002195	0.96227	-0.00036	0.99373	-0.01767	0.70335	0.083743	0.0706	0.097876
-0.0655	0.15758	-0.05424	0.24207	-0.08717	0.05979	0.11664	0.01165	0.051921
0.121416	0.00863	-0.01671	0.71866	0.002638	0.95466	0.124174	0.00722	-0.0837
0.075928	0.10126	0.052727	0.25547	0.033168	0.47458	0.155659	0.00074	0.005399
0.004444	0.92369	0.037963	0.41308	0.094542	0.04113	0.006816	0.88321	-0.05812

0.157232	0.00065	0.095082	0.03999	0.123145	0.00772	0.178222	0.00011	0.09717
-0.01651	0.72195	0.008724	0.85085	0.035494	0.44414	0.028813	0.53453	0.006383
0.048308	0.29753	0.06272	0.17603	0.008469	0.85517	0.123222	0.00768	0.197631
-0.06598	0.15458	-0.02754	0.55272	0.060291	0.1934	-0.03003	0.51738	-0.07742
-0.29277	1.11E-10	-0.18302	6.94E-05	-0.17092	0.00021	-0.09781	0.03459	-0.1416
0.212639	3.55E-06	0.267657	4.20E-09	0.223192	1.11E-06	0.226675	7.42E-07	0.202338
-0.03416	0.46146	0.026478	0.56816	-0.00918	0.8431	0.085132	0.06604	0.027405
-0.02608	0.57395	-0.01698	0.71431	0.039599	0.39323	0.123075	0.00775	0.120252
0.115733	0.01232	0.179166	9.90E-05	0.069732	0.1324	0.329959	2.53E-13	0.41461
0.009461	0.83842	0.054495	0.23985	0.105766	0.02226	0.161225	0.00047	0.130412
0.203493	9.33E-06	0.052362	0.25878	0.072217	0.11912	0.32061	1.26E-12	0.375495
0.089388	0.05356	0.005262	0.9097	0.005987	0.89733	0.124623	0.00701	0.025914
0.260896	1.05E-08	0.114819	0.01303	0.272988	2.00E-09	0.166391	0.0003	0.157232
0.060304	0.1933	0.059259	0.20115	0.026218	0.57197	0.233746	3.24E-07	0.123881
0.018621	0.68815	0.062072	0.18055	0.115745	0.01231	-0.05351	0.24849	-0.02489
-0.11702	0.01138	-0.12219	0.00821	-0.06433	0.16519	-0.16081	0.00049	-0.27102
-0.04569	0.32449	-0.08227	0.0757	-0.09095	0.04951	0.020667	0.65598	-0.10744
0.029474	0.52519	0.195457	2.10E-05	0.312705	4.72E-12	0.086782	0.06095	0.04913
-0.16955	0.00023	-0.12363	0.00748	-0.23724	2.13E-07	-0.0959	0.0383	-0.00704
0.10701	0.02073	0.297086	5.70E-11	0.417394	4.12E-21	0.095377	0.03937	0.099014
0.042377	0.36086	0.196692	1.86E-05	0.28504	3.52E-10	0.109951	0.01746	0.104297
0.133771	0.00378	0.204499	8.41E-06	0.295317	7.49E-11	0.009456	0.83851	0.050962
0.061186	0.18686	0.20459	8.33E-06	0.351243	5.26E-15	0.079461	0.08629	0.011457
0.144924	0.00169	0.118907	0.01012	0.062215	0.17954	0.08059	0.08191	0.236508
0.13701	0.00301	0.170619	0.00021	0.254786	2.36E-08	0.108041	0.01952	0.203679
-0.20324	9.58E-06	-0.13265	0.00408	-0.11042	0.01698	-0.01639	0.72389	0.032556
0.286765	2.73E-10	0.242514	1.12E-07	0.327564	3.84E-13	0.193577	2.53E-05	0.208156
0.058232	0.20908	0.151096	0.00106	0.311819	5.46E-12	0.071714	0.12172	0.013696
0.210238	4.60E-06	0.244307	8.96E-08	0.363019	5.41E-16	0.124281	0.00717	0.10294
0.058524	0.20681	0.111845	0.0156	0.190518	3.41E-05	0.146087	0.00155	0.042451
0.049463	0.28611	0.08851	0.05596	0.221214	1.38E-06	0.098575	0.0332	0.098397
0.001969	0.96615	0.075899	0.10139	0.109549	0.01788	0.064002	0.16734	0.081717
0.063346	0.17174	0.074706	0.10689	0.147268	0.00142	0.020415	0.65991	0.180556
-0.12352	0.00753	-0.09353	0.04337	-0.05185	0.26342	-0.13605	0.00322	0.043834
-0.02859	0.53773	0.108648	0.01885	0.1271	0.00595	0.067188	0.14715	0.156494
0.124999	0.00684	0.232865	3.60E-07	0.400175	2.18E-19	0.096576	0.03695	0.128059
0.070236	0.12962	0.105353	0.02279	0.202621	1.02E-05	0.094897	0.04038	0.145434
-0.03411	0.46214	-0.08446	0.06822	0.064133	0.16647	-0.07779	0.09313	-0.0628
0.104547	0.02386	0.27539	1.42E-09	0.449102	1.47E-24	0.095337	0.03945	0.075549
0.123707	0.00744	0.016803	0.71722	0.104988	0.02327	0.024396	0.59899	0.032741
0.203143	9.67E-06	0.020328	0.66127	0.056566	0.22243	0.019467	0.67478	0.061656
0.138147	0.00277	0.147325	0.00141	0.323658	7.53E-13	0.098751	0.03288	-0.00424
0.075853	0.1016	0.19618	1.96E-05	0.326137	4.92E-13	0.126916	0.00602	0.075675
0.233824	3.21E-07	0.291796	1.28E-10	0.323757	7.40E-13	0.131802	0.00433	0.174454
0.204229	8.64E-06	0.157192	0.00065	0.312341	5.01E-12	0.049205	0.28863	-0.00386

0.069514	0.13362	0.181231	8.20E-05	0.289249	1.88E-10	0.172092	0.00019	0.132434
0.10648	0.02137	0.178363	0.00011	0.326009	5.03E-13	0.048212	0.29849	0.003399
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0.053512	0.24845	0.078829	0.08883	0.147811	0.00136	-0.04067	0.38058	-0.01517
0.082662	0.07432	-0.01365	0.76861	0.006243	0.89297	0.059493	0.19937	0.061348
-0.02235	0.63002	0.107779	0.01982	0.250429	4.14E-08	-0.00389	0.93314	-0.02082
0.13174	0.00435	0.164991	0.00034	0.254678	2.39E-08	0.095013	0.04013	0.070099
0.046085	0.32034	0.168613	0.00025	0.371399	1.01E-16	0.065043	0.16052	0.019544
0.013755	0.76688	0.179563	9.55E-05	0.372077	8.82E-17	0.041103	0.37549	0.015649
0.10579	0.02223	0.27433	1.66E-09	0.413399	1.06E-20	0.080207	0.08337	0.036561
0.056387	0.2239	0.220366	1.52E-06	0.325159	5.82E-13	0.112062	0.0154	0.147883
0.062715	0.17606	0.157778	0.00062	0.314528	3.50E-12	0.045859	0.32271	0.063965
0.097173	0.03579	0.245457	7.76E-08	0.430646	1.65E-22	0.048169	0.29892	0.049378
0.185195	5.67E-05	0.093466	0.0435	0.272612	2.11E-09	-0.01102	0.81228	0.022682
0.070054	0.13061	0.024751	0.59367	-0.06227	0.17916	-0.01548	0.73871	0.094472
0.071612	0.12225	0.150462	0.00111	0.103621	0.02514	0.047395	0.30676	0.077708
0.078786	0.08901	0.237899	1.97E-07	0.391468	1.49E-18	0.071982	0.12033	0.063683
0.07718	0.09574	0.252591	3.13E-08	0.406386	5.35E-20	0.087906	0.05766	0.064117
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0.071329	0.12374	0.143958	0.00182	0.088026	0.05732	0.160503	0.0005	0.300449
0.09951	0.03155	0.318375	1.84E-12	0.357199	1.68E-15	0.176466	0.00013	0.268593
0.10013	0.0305	0.237074	2.18E-07	0.33634	8.17E-14	0.103924	0.02471	0.065224
0.09764	0.03491	0.125247	0.00673	0.149448	0.0012	0.08223	0.07586	0.101993
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0.511303	1.81E-32	0.205554	7.53E-06	0.164695	0.00035	0.323589	7.62E-13	0.400093
0.350653	5.88E-15	0.046787	0.31302	0.161659	0.00045	0.019629	0.67223	-0.18368
0.311892	5.40E-12	0.241865	1.21E-07	0.18204	7.61E-05	0.2405	1.43E-07	0.373733
-0.32256	9.08E-13	-0.20168	1.12E-05	-0.1992	1.45E-05	-0.32429	6.76E-13	-0.32934
0.154442	0.00081	0.020369	0.66062	-0.08359	0.07111	0.125458	0.00663	0.160787
0.094536	0.04115	-0.24395	9.37E-08	-0.0876	0.05853	-0.08465	0.06759	-0.2695
0.372724	7.73E-17	0.015672	0.73552	-0.03592	0.43871	0.276263	1.26E-09	0.046786
0.164069	0.00037	0.075448	0.10344	0.132955	0.004	-0.16218	0.00043	-0.17359
0.453619	4.42E-25	0.227601	6.67E-07	0.07942	0.08646	0.268623	3.68E-09	0.315626
0.625815	3.86E-52	0.377841	2.70E-17	0.227748	6.56E-07	0.238628	1.80E-07	0.249292
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0.239368	1.65E-07	0.043063	0.35313	0.162853	0.00041	-0.03435	0.45894	-0.28471
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0.206357	6.93E-06	-0.02546	0.58308	-0.09044	0.05079	-0.01965	0.67185	-0.01386
0.294113	9.01E-11	0.222306	1.22E-06	0.011733	0.80036	0.119777	0.00958	0.230152
0.270295	2.91E-09	-0.28105	6.32E-10	-0.27415	1.70E-09	0.024193	0.60202	-0.22306
0.280068	7.28E-10	0.104376	0.02409	0.069312	0.13475	0.187185	4.70E-05	0.164413
0.191942	2.97E-05	0.022735	0.6241	0.108031	0.01954	-0.13747	0.00291	-0.32122
-0.28621	2.96E-10	-0.09602	0.03806	-0.16873	0.00025	-0.06901	0.13644	-0.04668

0.044514	0.33713	-0.21884	1.80E-06	-0.09754	0.0351	-0.04096	0.37715	-0.23767
0.580296	2.20E-43	0.295728	7.03E-11	0.301801	2.73E-11	0.284652	3.73E-10	0.25069
0.276597	1.20E-09	-0.07406	0.10998	0.190503	3.42E-05	0.013141	0.777	-0.07942
0.480899	2.12E-28	0.044151	0.34109	0.041104	0.37548	0.121679	0.00848	0.0699
0.082019	0.07661	-0.07583	0.1017	-0.0308	0.50674	-0.05326	0.25065	-0.28316
0.244914	8.31E-08	-0.12099	0.00886	-0.07732	0.09515	-0.08785	0.05783	-0.06385
0.56723	4.08E-41	0.275993	1.31E-09	0.224425	9.61E-07	0.256399	1.91E-08	0.244096
0.387977	3.17E-18	0.235227	2.72E-07	0.294036	9.11E-11	0.109815	0.0176	0.061174
-0.0061	0.89547	-0.01517	0.74365	-0.03947	0.39476	0.002759	0.95259	-0.19682
0.094695	0.04081	0.253508	2.78E-08	0.227107	7.06E-07	0.165026	0.00034	0.258113
0.117989	0.01072	-0.19504	2.19E-05	-0.20447	8.43E-06	-0.06913	0.13577	-0.15373
0.329026	2.98E-13	0.12498	0.00685	0.241675	1.24E-07	0.089137	0.05424	0.1071
0.278385	9.28E-10	0.058065	0.21039	0.151892	0.00099	0.03327	0.47322	-0.10895
0.536264	3.96E-36	0.364719	3.87E-16	0.163615	0.00038	0.364796	3.81E-16	0.385067
0.289925	1.70E-10	0.169277	0.00024	0.293572	9.78E-11	0.060391	0.19266	0.064374
0.228919	5.72E-07	-0.23325	3.44E-07	-0.14437	0.00176	-0.03068	0.50835	-0.11815
0.117608	0.01097	-0.40212	1.41E-19	-0.31043	6.85E-12	-0.09633	0.03743	-0.23134
0.178494	0.00011	-0.03081	0.5066	-0.09331	0.04387	0.055856	0.2283	-0.07948
0.592293	1.48E-45	0.373283	6.90E-17	0.38433	6.91E-18	0.26925	3.37E-09	0.19399
0.564419	1.22E-40	0.326303	4.78E-13	0.349084	7.89E-15	0.258855	1.38E-08	0.101271
0.556908	2.14E-39	0.521053	7.31E-34	0.492321	7.00E-30	0.30346	2.10E-11	0.260516
0.15874	0.00058	0.040371	0.38405	0.043609	0.34706	0.15429	0.00082	-0.05955
-0.04573	0.32404	-0.31524	3.11E-12	-0.26227	8.73E-09	-0.20454	8.37E-06	-0.29639
0.155947	0.00072	-0.27201	2.29E-09	-0.12311	0.00773	-0.16868	0.00025	-0.19863
0.250839	3.92E-08	0.089359	0.05364	0.044182	0.34075	0.232667	3.69E-07	0.189406
0.078361	0.09075	-0.13732	0.00294	-0.38705	3.87E-18	0.068137	0.1415	0.126178
0.263843	7.07E-09	0.136457	0.00313	-0.04943	0.28645	0.211176	4.16E-06	0.234841
0.367944	2.03E-16	-0.00702	0.87968	0.005765	0.90112	0.071269	0.12406	-0.04462
0.351836	4.70E-15	-0.02851	0.53885	-0.00049	0.99162	0.045623	0.32521	-0.09135
0.060484	0.19198	-0.39558	6.07E-19	-0.29565	7.12E-11	-0.08992	0.05215	-0.2965
0.178637	0.0001	-0.22001	1.58E-06	-0.13405	0.0037	-0.14361	0.00186	-0.18448
0.667852	1.27E-61	0.569175	1.90E-41	0.529449	4.24E-35	0.42759	3.51E-22	0.360945
-0.0489	0.29165	-0.47819	4.67E-28	-0.46445	2.30E-26	-0.17175	0.00019	-0.36842
-0.00569	0.90236	0.252104	3.34E-08	0.289635	1.78E-10	-0.02315	0.61783	0.084653
0.520701	8.23E-34	0.180932	8.42E-05	0.382266	1.07E-17	0.119623	0.00967	-0.00438
0.214717	2.84E-06	-0.23992	1.54E-07	-0.17996	9.21E-05	-0.03116	0.50174	-0.20487
0.450205	1.10E-24	0.175245	0.00014	0.141953	0.00211	0.159236	0.00055	0.078722
0.31257	4.83E-12	0.150523	0.0011	0.014774	0.75016	0.327417	3.94E-13	0.310691
0.0335	0.47018	-0.1894	3.80E-05	-0.35963	1.05E-15	-0.00502	0.91391	0.017099
0.652831	4.63E-58	0.400745	1.92E-19	0.387162	3.78E-18	0.24822	5.48E-08	0.263047
0.625954	3.61E-52	0.33305	1.47E-13	0.332543	1.61E-13	0.385203	5.74E-18	0.291252
0.570054	1.35E-41	0.461884	4.69E-26	0.534486	7.39E-36	0.245431	7.79E-08	0.241792
0.480474	2.40E-28	0.126337	0.00626	0.168591	0.00025	0.272498	2.14E-09	0.316322
0.605805	4.08E-48	0.381419	1.28E-17	0.332785	1.54E-13	0.31438	3.58E-12	0.233911
0.545809	1.30E-37	0.176265	0.00013	0.234293	3.04E-07	0.158817	0.00057	0.075386

0.585955	2.14E-44	0.225212	8.78E-07	0.212043	3.79E-06	0.246176	7.09E-08	0.193639
0.515667	4.36E-33	0.247245	6.20E-08	0.168769	0.00025	0.386261	4.58E-18	0.297785
0.26858	3.70E-09	-0.26831	3.84E-09	-0.19163	3.06E-05	-0.05409	0.24335	-0.33678
0.51141	1.75E-32	0.205189	7.82E-06	0.088921	0.05483	0.237213	2.14E-07	0.207475
0.103226	0.0257	-0.3034	2.12E-11	-0.279	8.50E-10	0.021332	0.64565	-0.19742
0.244601	8.64E-08	-0.19504	2.19E-05	-0.12639	0.00624	0.011638	0.80195	-0.26695
0.065775	0.15586	-0.07658	0.09833	-0.25501	2.29E-08	0.02209	0.63398	-0.11832
0.063179	0.17288	-0.39918	2.73E-19	-0.34972	7.01E-15	-0.06902	0.13639	-0.30275
-0.2039	8.94E-06	-0.05235	0.25884	-0.09836	0.03358	-0.05187	0.26329	0.04178
0.221224	1.38E-06	-0.1596	0.00054	-0.0988	0.0328	-0.06012	0.19465	-0.22225
0.063203	0.17272	-0.20785	5.92E-06	-0.23064	4.68E-07	-0.0653	0.15885	-0.37247
0.533104	1.20E-35	0.492685	6.27E-30	0.41002	2.32E-20	0.248898	5.03E-08	0.182146
0.263687	7.22E-09	-0.03972	0.39178	-0.0913	0.04863	-0.04204	0.36467	-0.13386
0.028728	0.53572	-0.23397	3.16E-07	-0.2366	2.30E-07	-0.16598	0.00032	-0.20776
0.151744	0.001	-0.05914	0.20208	-0.05125	0.26908	-0.08525	0.06566	-0.24545
0.643298	6.66E-56	0.406096	5.72E-20	0.444214	5.27E-24	0.312123	5.20E-12	0.188366
0.002887	0.95039	0.170926	0.00021	0.04809	0.29972	0.17016	0.00022	0.312817
0.228235	6.20E-07	-0.10712	0.02059	-0.16047	0.0005	-0.00221	0.9621	-0.1104
0.138024	0.0028	0.000981	0.98314	-0.05645	0.22334	-0.11686	0.01149	-0.18475
0.617421	2.04E-50	0.478376	4.42E-28	0.328632	3.19E-13	0.42115	1.68E-21	0.347722
0.382796	9.57E-18	0.314332	3.61E-12	0.234684	2.90E-07	0.109602	0.01782	0.086725
0.413532	1.02E-20	0.179441	9.66E-05	-0.01374	0.7671	0.336684	7.68E-14	0.162608
0.320043	1.39E-12	0.040456	0.38306	0.166937	0.00029	0.064488	0.16413	-0.22282
0.11852	0.01037	-0.12919	0.00517	-0.10307	0.02592	0.056521	0.2228	-0.13357
-0.04668	0.31411	0.167023	0.00029	0.067942	0.14265	0.150762	0.00108	0.331455
0.291137	1.42E-10	0.040319	0.38467	-0.03542	0.44515	0.234988	2.80E-07	0.172096
0.603471	1.15E-47	0.370972	1.10E-16	0.39251	1.19E-18	0.362686	5.78E-16	0.320861
0.266329	5.04E-09	-0.00412	0.92922	0.088084	0.05716	-0.08183	0.07728	-0.21234
0.277873	9.99E-10	-0.07138	0.12349	-0.00077	0.98684	0.147013	0.00144	-0.1637
0.651744	8.24E-58	0.518551	1.68E-33	0.531321	2.22E-35	0.357165	1.69E-15	0.260878
0.208933	5.28E-06	0.103124	0.02585	0.209202	5.13E-06	0.010331	0.8238	0.083668
0.352352	4.26E-15	0.203631	9.20E-06	0.281954	5.54E-10	0.076887	0.097	-0.11011
0.175618	0.00014	0.192194	2.90E-05	0.164817	0.00035	-0.03472	0.4542	-0.08719
0.425005	6.60E-22	0.455425	2.72E-25	0.320231	1.35E-12	0.283237	4.59E-10	0.292997
0.186648	4.94E-05	0.022245	0.63159	-0.14551	0.00162	0.173265	0.00017	0.097809
0.358513	1.31E-15	0.139607	0.0025	-0.01108	0.8113	0.083365	0.07189	-0.0738
0.490253	1.31E-29	0.103074	0.02592	0.086532	0.0617	0.210788	4.33E-06	0.126271
0.3679	2.05E-16	-0.1156	0.01243	-0.09189	0.04718	0.114739	0.0131	-0.01211
0.331503	1.93E-13	-0.14211	0.00208	-0.06478	0.1622	0.058735	0.20517	-0.07519
0.125039	0.00682	-0.18685	4.85E-05	-0.10893	0.01854	-0.11149	0.01593	-0.26079
0.393929	8.72E-19	0.331864	1.81E-13	0.305628	1.49E-11	0.343047	2.42E-14	0.206041
0.298626	4.49E-11	-0.18439	6.11E-05	0.000367	0.99368	0.059466	0.19957	-0.23329
0.262682	8.27E-09	-0.1344	0.00362	-0.211	4.24E-06	0.087042	0.06017	-0.06651
0.596501	2.43E-46	0.302625	2.40E-11	0.18094	8.42E-05	0.404186	8.84E-20	0.319783
0.099598	0.0314	-0.15661	0.00068	-0.15074	0.00108	-0.04626	0.3185	-0.24119

-0.00472	0.91906	0.166867	0.00029	0.090861	0.04972	0.16404	0.00037	0.305494
-0.21901	1.77E-06	-0.2861	3.01E-10	-0.22264	1.18E-06	-0.2025	1.03E-05	-0.2848
0.391573	1.46E-18	0.032388	0.48504	-0.10176	0.02789	0.18331	6.76E-05	0.108422
0.085721	0.06419	-0.38113	1.36E-17	-0.23686	2.23E-07	-0.13028	0.0048	-0.30369
0.340441	3.90E-14	-0.03938	0.39582	0.025159	0.58761	0.117963	0.01073	-0.1464
0.21092	4.27E-06	-0.13208	0.00425	-0.16744	0.00028	-0.02307	0.61896	-0.13212
0.273186	1.95E-09	-0.2278	6.52E-07	-0.10913	0.01832	0.011202	0.80922	-0.19474
0.393987	8.61E-19	-0.04062	0.38116	-0.04905	0.29019	0.162708	0.00042	0.070915
0.524959	1.96E-34	0.242233	1.16E-07	0.160035	0.00052	0.224404	9.63E-07	0.068467
0.433979	7.18E-23	0.114113	0.01361	0.12442	0.0071	0.443462	6.41E-24	0.108556
0.098479	0.03337	-0.29418	8.92E-11	-0.25235	3.23E-08	-0.0869	0.06061	-0.27065
0.294078	9.06E-11	-0.13577	0.00328	-0.06618	0.15334	0.05121	0.26942	-0.24896
0.295573	7.20E-11	-0.20083	1.23E-05	-0.12246	0.00807	0.001051	0.98194	-0.22258
0.353557	3.39E-15	0.209683	4.88E-06	0.112795	0.01474	0.256879	1.79E-08	0.315982
0.411853	1.51E-20	-0.10262	0.02659	0.022003	0.63531	0.077024	0.09641	-0.10165
0.069687	0.13265	-0.11435	0.01341	-0.03585	0.43957	0.073218	0.11407	-0.2361
0.391601	1.45E-18	0.146726	0.00148	-0.01738	0.70794	0.239854	1.55E-07	0.225113
0.038687	0.40422	-0.29809	4.88E-11	-0.03724	0.42203	-0.18009	9.10E-05	-0.30027
0.636054	2.58E-54	0.384834	6.21E-18	0.260227	1.15E-08	0.346762	1.22E-14	0.223365
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-0.05199	0.26215	-0.22145	1.35E-06	-0.12802	0.0056	-0.35321	3.62E-15	-0.3692
0.290845	1.48E-10	-0.08924	0.05397	-0.11444	0.01334	0.120718	0.00902	-0.05262
0.17579	0.00013	-0.07659	0.09829	0.038347	0.40837	-0.15295	0.00091	-0.11674
0.072045	0.12001	-0.43786	2.70E-23	-0.28426	3.95E-10	-0.05801	0.2108	-0.24628
0.207275	6.29E-06	-0.00436	0.92512	0.089968	0.05202	0.02654	0.56725	-0.23791
0.27417	1.69E-09	-0.07262	0.11709	-0.08612	0.06296	0.001085	0.98135	-0.12935
0.549379	3.54E-38	0.364534	4.01E-16	0.322378	9.37E-13	0.294056	9.09E-11	0.22516
0.547503	7.04E-38	0.254138	2.56E-08	0.253206	2.89E-08	0.241727	1.23E-07	0.175474
0.286417	2.87E-10	-0.02331	0.61532	-0.17704	0.00012	0.190186	3.52E-05	0.02383
0.549951	2.87E-38	0.322804	8.71E-13	0.392633	1.16E-18	0.228562	5.97E-07	0.143784
0.520129	9.96E-34	0.375442	4.43E-17	0.201616	1.13E-05	0.371272	1.04E-16	0.429161
0.510854	2.09E-32	0.311651	5.62E-12	0.267499	4.29E-09	0.252492	3.17E-08	0.152609
0.372581	7.96E-17	0.032691	0.48097	0.036296	0.43391	0.211741	3.91E-06	0.09636
0.412403	1.33E-20	-0.03994	0.38913	0.104885	0.0234	0.081251	0.07942	-0.19693
0.50081	5.11E-31	0.372423	8.22E-17	0.396692	4.74E-19	0.265327	5.78E-09	0.11734
0.367744	2.12E-16	0.103495	0.02532	-0.01806	0.69709	0.257048	1.75E-08	0.220535
0.02776	0.54956	-0.20023	1.30E-05	-0.30675	1.24E-11	-0.01252	0.78725	-0.14295
0.375994	3.95E-17	0.081015	0.0803	0.032417	0.48466	0.160779	0.00049	0.147177
0.416862	4.67E-21	0.135533	0.00334	0.244097	9.20E-08	0.079421	0.08645	-0.06908
0.699883	5.81E-70	0.364781	3.82E-16	0.386264	4.58E-18	0.406888	4.77E-20	0.305395
0.238047	1.94E-07	0.055138	0.23434	0.019813	0.66935	-0.01898	0.68239	-0.07835
0.031394	0.49854	-0.19073	3.34E-05	-0.21676	2.27E-06	0.034432	0.45791	-0.31008
-0.11535	0.01262	0.023901	0.60641	0.039936	0.38921	0.043431	0.34903	0.043268
0.498724	9.78E-31	0.312087	5.23E-12	0.157742	0.00062	0.326294	4.79E-13	0.283638
0.356351	1.98E-15	-0.18375	6.49E-05	-0.06955	0.13342	0.150263	0.00113	-0.05449

0.327248	4.06E-13	-0.08534	0.06538	-0.10674	0.02105	0.193293	2.60E-05	-0.00272
0.514304	6.82E-33	0.19003	3.58E-05	0.137977	0.00281	0.265704	5.49E-09	0.08316
0.268809	3.58E-09	0.045167	0.33008	-0.07944	0.08639	0.091038	0.04928	0.009908
0.192892	2.71E-05	0.104141	0.02441	-0.02164	0.64087	0.025806	0.57802	-0.08683
0.284073	4.06E-10	0.066708	0.15006	0.027047	0.55987	0.208072	5.78E-06	0.008699
0.54429	2.26E-37	0.269212	3.39E-09	0.316301	2.61E-12	0.128143	0.00555	0.04332
0.125084	0.0068	-0.1162	0.01198	-0.02386	0.60702	-0.08982	0.05242	-0.32286
-0.16228	0.00043	0.021039	0.6502	-0.24093	1.36E-07	0.06763	0.14449	0.10871
0.348711	8.46E-15	0.029648	0.52274	0.19519	2.16E-05	0.069447	0.13399	-0.08563
0.677606	4.75E-64	0.390673	1.77E-18	0.307836	1.04E-11	0.361251	7.66E-16	0.285927
0.570126	1.31E-41	0.245533	7.69E-08	0.259785	1.22E-08	0.224622	9.39E-07	0.110695
0.761015	1.98E-89	0.413786	9.64E-21	0.452293	6.30E-25	0.365524	3.29E-16	0.253433
0.326648	4.50E-13	-0.12863	0.00537	-0.12992	0.00492	0.009245	0.84206	-0.21139
0.203445	9.37E-06	-0.20056	1.26E-05	-0.25513	2.25E-08	0.0781	0.09183	-0.02434
0.103797	0.02489	-0.14593	0.00157	-0.03165	0.49511	-0.19337	2.58E-05	-0.32541
0.047313	0.3076	-0.30557	1.50E-11	-0.34875	8.41E-15	-0.04743	0.30642	-0.14564
0.172668	0.00018	-0.19471	2.26E-05	0.121093	0.00881	0.04121	0.37425	-0.12596
0.172187	0.00018	-0.25095	3.87E-08	-0.04734	0.30734	-0.21162	3.96E-06	-0.18099
0.618254	1.38E-50	0.25746	1.66E-08	0.411148	1.78E-20	0.29053	1.55E-10	0.119157
-0.12722	0.0059	-0.01509	0.74504	-0.04416	0.34098	0.005212	0.91056	0.040198
0.163682	0.00038	0.032011	0.49013	-0.12831	0.00549	0.241528	1.26E-07	0.175405
0.325416	5.57E-13	0.257486	1.65E-08	0.081202	0.07961	0.257516	1.65E-08	0.28093
0.157775	0.00062	-0.21013	4.65E-06	-0.03362	0.46856	-0.06177	0.18271	-0.27547
0.416617	4.95E-21	0.137624	0.00288	-0.03995	0.38906	0.428094	3.10E-22	0.281431
0.208884	5.31E-06	-0.12712	0.00594	-0.07695	0.09671	0.034946	0.45122	-0.09457
0.303961	1.94E-11	0.163982	0.00037	-0.01139	0.80603	0.28839	2.14E-10	0.313235
0.085679	0.06432	-0.02314	0.61795	-0.28762	2.40E-10	0.140615	0.00232	0.060282
0.308271	9.73E-12	-0.03246	0.48406	-0.095	0.04016	0.06443	0.16451	-0.03341
0.185081	5.73E-05	-0.24096	1.36E-07	-0.1876	4.51E-05	0.031021	0.50366	-0.28827
0.13463	0.00356	0.279555	7.84E-10	0.303235	2.18E-11	0.148444	0.00129	0.212172
0.482377	1.37E-28	0.238135	1.91E-07	0.156855	0.00067	0.200218	1.30E-05	0.05108
0.335723	9.13E-14	0.075012	0.10546	0.122509	0.00804	0.07009	0.13042	-0.07658
0.23835	1.87E-07	-0.06409	0.16673	-0.01454	0.75394	0.096793	0.03653	-0.1311
0.573103	4.02E-42	0.134571	0.00357	0.112859	0.01468	0.271804	2.36E-09	0.239866
0.469461	5.68E-27	0.239756	1.57E-07	0.244799	8.43E-08	0.176589	0.00013	-0.02597
0.586392	1.78E-44	0.413861	9.47E-21	0.295189	7.64E-11	0.396364	5.10E-19	0.28343
0.238566	1.82E-07	0.118455	0.01041	0.040065	0.38768	0.114615	0.0132	0.003118
0.082649	0.07437	0.253658	2.73E-08	0.253241	2.88E-08	0.103689	0.02504	0.22841
-0.05118	0.26968	-0.00502	0.91389	-0.14325	0.00191	0.033786	0.46639	0.194262
-0.13984	0.00245	-0.01936	0.67652	-0.03248	0.48387	-0.04781	0.30257	0.004578
0.638529	7.48E-55	0.329469	2.76E-13	0.259996	1.19E-08	0.339106	4.96E-14	0.365802
0.207564	6.10E-06	-0.23797	1.95E-07	-0.28988	1.71E-10	0.022651	0.62538	-0.28483
0.060493	0.19191	-0.23176	4.10E-07	-0.29919	4.11E-11	0.10339	0.02546	-0.07039
0.501581	4.01E-31	0.339509	4.62E-14	0.128298	0.00549	0.347021	1.16E-14	0.269644
0.366165	2.90E-16	0.102082	0.02739	0.103735	0.02498	0.083697	0.07076	-0.06388

0.225053	8.94E-07	-0.16379	0.00038	-0.11141	0.01601	0.025537	0.58199	-0.28509
0.017489	0.7062	-0.31182	5.46E-12	-0.15941	0.00054	-0.26943	3.29E-09	-0.42706
0.7458	4.59E-84	0.348811	8.31E-15	0.387945	3.19E-18	0.360023	9.73E-16	0.25829
0.413658	9.93E-21	0.135268	0.0034	0.022519	0.62739	0.190509	3.41E-05	0.097984
0.561687	3.48E-40	0.355201	2.47E-15	0.327743	3.72E-13	0.248993	4.97E-08	0.226802
0.057797	0.21251	-0.17988	9.28E-05	-0.1582	0.0006	-0.06621	0.15311	-0.21025
0.266014	5.26E-09	-0.02293	0.62118	-0.07301	0.11509	-0.06916	0.13563	-0.22811
0.562575	2.48E-40	0.287133	2.58E-10	0.281003	6.36E-10	0.242468	1.13E-07	0.168412
0.492555	6.52E-30	0.196833	1.83E-05	0.176071	0.00013	0.163452	0.00039	0.098587
0.412895	1.19E-20	0.135741	0.00329	0.187457	4.58E-05	0.177312	0.00012	0.018793
0.083037	0.07302	-0.08517	0.06592	0.005774	0.90097	-0.15295	0.00091	-0.27383
0.264564	6.41E-09	-0.10102	0.02905	0.076569	0.0984	-0.02309	0.6187	-0.03543
0.155847	0.00073	-0.2844	3.87E-10	-0.09006	0.05179	0.017801	0.70121	-0.17934
0.633954	7.33E-54	0.296616	6.13E-11	0.206513	6.81E-06	0.396155	5.34E-19	0.31775
-0.28064	6.71E-10	-0.02519	0.58712	-0.22994	5.08E-07	-0.14645	0.00151	0.000464
0.319594	1.50E-12	-0.23275	3.65E-07	-0.00881	0.84935	0.013882	0.76478	-0.2113
0.581965	1.11E-43	0.309002	8.64E-12	0.338201	5.85E-14	0.299017	4.22E-11	0.232241
0.510664	2.23E-32	0.126644	0.00613	0.106857	0.02091	0.201718	1.12E-05	0.080969
0.5703	1.22E-41	0.411422	1.67E-20	0.367688	2.14E-16	0.314736	3.38E-12	0.256434
0.093615	0.04317	-0.02583	0.57769	-0.21314	3.37E-06	-0.03051	0.51069	0.002304
0.142541	0.00202	0.148538	0.00129	-0.15073	0.00109	-0.01466	0.75207	0.060189
0.713322	8.43E-74	0.281516	5.90E-10	0.270534	2.82E-09	0.337305	6.87E-14	0.166621
0.017527	0.7056	-0.30949	7.98E-12	-0.33362	1.33E-13	-0.04462	0.33602	-0.05677
0.53855	1.77E-36	0.1036	0.02517	0.254862	2.33E-08	0.16023	0.00051	0.089785
0.419084	2.75E-21	0.20332	9.50E-06	0.29862	4.49E-11	0.071877	0.12087	-0.09784
0.32344	7.82E-13	0.111618	0.01581	0.146098	0.00155	0.129659	0.00501	0.038405
0.334941	1.05E-13	0.185811	5.35E-05	0.062555	0.17717	0.213117	3.37E-06	0.133695
0.139379	0.00254	-0.06098	0.18835	-0.00891	0.84766	0.028928	0.5329	-0.22917
0.452962	5.27E-25	-0.03472	0.45417	0.101341	0.02854	0.020653	0.6562	-0.08328
0.112151	0.01532	-0.20304	9.78E-06	-0.32387	7.27E-13	-0.06262	0.17671	-0.12096
0.53838	1.88E-36	0.399344	2.63E-19	0.400532	2.02E-19	0.132726	0.00406	0.072727
0.447174	2.44E-24	0.16532	0.00033	0.079502	0.08613	0.249242	4.81E-08	0.036616
0.292676	1.12E-10	0.053875	0.24524	-0.08281	0.0738	0.085736	0.06414	-0.08059
0.252038	3.36E-08	-0.08954	0.05316	-0.18854	4.12E-05	0.066062	0.15406	-0.09113
0.53673	3.36E-36	0.195589	2.08E-05	0.155842	0.00073	0.315417	3.02E-12	0.184639
0.097994	0.03425	-0.31911	1.63E-12	-0.3825	1.02E-17	0.02743	0.55432	-0.14512
0.113916	0.01377	-0.07376	0.1114	3.68E-05	0.99937	-0.13657	0.0031	-0.31537
0.133441	0.00387	-0.32367	7.51E-13	-0.19995	1.34E-05	-0.10511	0.02311	-0.39059
0.331612	1.89E-13	-0.0962	0.0377	0.020027	0.66598	0.084991	0.06649	-0.14222
0.510164	2.62E-32	0.35363	3.34E-15	0.338185	5.86E-14	0.194223	2.38E-05	0.17416
0.4814	1.83E-28	0.286638	2.78E-10	0.276503	1.22E-09	0.410108	2.27E-20	0.38068
0.610615	4.67E-49	0.235408	2.66E-07	0.319478	1.53E-12	0.22446	9.57E-07	0.211687
-0.11883	0.01017	-0.38903	2.53E-18	-0.39205	1.31E-18	-0.13303	0.00398	-0.26273
0.577345	7.32E-43	0.330237	2.41E-13	0.301821	2.72E-11	0.194195	2.38E-05	0.275703
0.188747	4.05E-05	-0.06602	0.15433	-0.02969	0.52219	0.050959	0.27177	-0.12825



0.275317	1.44E-09	0.033407	0.4714	-0.05703	0.21867	0.182841	7.06E-05	0.217591
0.301199	3.00E-11	-0.01707	0.71291	-0.13386	0.00376	0.136745	0.00307	-0.01615
0.615895	4.15E-50	0.255439	2.16E-08	0.180154	9.05E-05	0.32984	2.58E-13	0.35723
0.438919	2.06E-23	0.222277	1.23E-06	0.187252	4.67E-05	0.279667	7.72E-10	0.205035
0.541448	6.29E-37	0.200319	1.29E-05	0.320179	1.36E-12	0.223529	1.06E-06	0.075407
0.319506	1.52E-12	-0.02057	0.65742	-0.07235	0.11845	-0.00215	0.96308	-0.07212
-0.12838	0.00546	-0.18756	4.53E-05	-0.19845	1.56E-05	-0.02581	0.57791	0.09671
0.038381	0.40796	0.174474	0.00015	0.062621	0.17671	0.265203	5.88E-09	0.151381
0.613622	1.18E-49	0.397702	3.79E-19	0.437617	2.87E-23	0.293316	1.02E-10	0.320701
0.177539	0.00011	-0.30758	1.09E-11	-0.34365	2.16E-14	-0.04134	0.37279	-0.1784
0.56359	1.68E-40	0.255279	2.21E-08	0.243998	9.31E-08	0.254212	2.54E-08	0.162329
0.200184	1.31E-05	0.011398	0.80594	-0.26032	1.14E-08	0.217629	2.06E-06	0.193107
0.609516	7.69E-49	0.341925	2.97E-14	0.332223	1.70E-13	0.593921	7.38E-46	0.339452
0.249015	4.95E-08	0.142797	0.00198	0.068731	0.13806	0.136993	0.00301	0.13544
0.392293	1.25E-18	-0.03674	0.42828	0.116924	0.01145	-0.01549	0.73842	-0.18653
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0.384355	6.88E-18	0.104549	0.02385	0.004635	0.92042	0.264674	6.31E-09	0.133347
0.497192	1.57E-30	0.116569	0.0117	0.108604	0.01889	0.23355	3.32E-07	0.081062
0.488956	1.94E-29	0.237754	2.00E-07	0.103284	0.02562	0.18342	6.69E-05	0.113815
0.34218	2.84E-14	0.043213	0.35145	-0.00857	0.85338	0.139219	0.00257	-0.10408
0.508492	4.48E-32	0.227516	6.74E-07	0.063066	0.17365	0.254141	2.56E-08	0.122841
0.347297	1.10E-14	-0.00061	0.98949	0.01173	0.8004	0.156189	0.00071	-0.04994
0.216301	2.38E-06	0.000623	0.98929	-0.0653	0.15891	0.18469	5.94E-05	0.034096
0.421739	1.46E-21	0.223666	1.05E-06	0.220921	1.43E-06	0.248848	5.06E-08	0.127902
0.241942	1.20E-07	-0.03099	0.50409	0.034391	0.45843	0.226971	7.17E-07	0.138043
0.298555	4.54E-11	0.162824	0.00041	0.046891	0.31194	0.252608	3.13E-08	0.112104
0.405074	7.22E-20	0.152382	0.00095	0.203191	9.62E-06	0.239242	1.67E-07	0.173152
0.126585	0.00616	-0.06799	0.14237	0.03604	0.43716	-0.092	0.04693	-0.03891
0.255162	2.24E-08	-0.11432	0.01343	-0.19184	3.00E-05	0.116365	0.01185	0.001204
0.177312	0.00012	-0.09876	0.03287	-0.26453	6.44E-09	-0.06685	0.14921	-0.11204
0.153998	0.00084	0.184526	6.03E-05	0.25145	3.63E-08	0.100153	0.03047	0.12208
0.396595	4.84E-19	-0.09245	0.04585	-0.06863	0.13867	0.140297	0.00238	-0.14725
0.456829	1.86E-25	0.243177	1.03E-07	0.156027	0.00072	0.1938	2.48E-05	0.104348
0.52913	4.73E-35	0.255114	2.26E-08	0.203704	9.13E-06	0.176088	0.00013	0.071307
0.078133	0.0917	0.003788	0.93493	-0.1049	0.02338	0.010316	0.82406	-0.04913
0.077815	0.09303	0.014	0.76284	-0.09304	0.04447	-0.01677	0.71775	-0.09039
0.540454	8.97E-37	0.056324	0.22441	0.193591	2.53E-05	0.155484	0.00075	-0.02551
0.361205	7.73E-16	0.004272	0.92664	0.151959	0.00099	0.160933	0.00048	-0.02144
0.499318	8.14E-31	0.425208	6.28E-22	0.42684	4.22E-22	0.274192	1.69E-09	0.197612
0.562475	2.57E-40	0.243148	1.04E-07	0.266946	4.63E-09	0.357593	1.56E-15	0.184099
0.536246	3.98E-36	0.211272	4.12E-06	0.251172	3.76E-08	0.198589	1.54E-05	0.117601
0.412727	1.24E-20	0.059711	0.19772	0.122311	0.00814	0.089141	0.05423	-0.23335
0.327258	4.05E-13	-0.09636	0.03738	-0.13339	0.00388	0.090482	0.05069	-0.16586
0.496084	2.21E-30	0.160825	0.00049	0.153195	0.0009	0.266064	5.22E-09	0.170869
0.14316	0.00193	-0.4071	4.54E-20	-0.31739	2.17E-12	-0.12726	0.00589	-0.30472

0.183958	6.36E-05	0.002581	0.95565	-0.1987	1.52E-05	0.188465	4.16E-05	0.064896
0.376538	3.53E-17	-0.1052	0.02299	0.201664	1.13E-05	0.022522	0.62735	-0.10729
0.326162	4.90E-13	0.330329	2.37E-13	0.148959	0.00124	0.191599	3.07E-05	0.266314
0.343058	2.42E-14	0.136524	0.00311	0.233819	3.22E-07	0.127643	0.00574	-0.04747
0.256999	1.76E-08	-0.11858	0.01033	-0.00237	0.95921	-0.07373	0.11157	-0.20565
-0.02012	0.66456	0.077925	0.09256	0.054483	0.23995	0.153989	0.00084	0.071349
0.224627	9.39E-07	0.075882	0.10147	0.2068	6.61E-06	-0.00036	0.99387	-0.16992
0.128271	0.0055	0.085679	0.06432	-0.03278	0.47971	0.165814	0.00032	0.012505
0.600675	3.95E-47	0.367523	2.21E-16	0.287937	2.29E-10	0.274981	1.51E-09	0.191508
0.711445	2.98E-73	0.459301	9.51E-26	0.335263	9.91E-14	0.426356	4.75E-22	0.261817
0.315803	2.83E-12	-0.25671	1.83E-08	-0.18684	4.85E-05	0.072658	0.11688	-0.12996
0.671971	1.23E-62	0.602831	1.53E-47	0.482126	1.48E-28	0.391196	1.58E-18	0.323169
0.11216	0.01531	-0.24992	4.42E-08	-0.24146	1.28E-07	-0.00205	0.96474	-0.20758
0.300566	3.32E-11	-0.0287	0.53609	0.147752	0.00136	-0.0656	0.15695	-0.17319
0.536189	4.06E-36	0.005496	0.90571	0.149811	0.00117	0.146327	0.00152	0.007676
0.338929	5.13E-14	0.042181	0.36309	0.152312	0.00096	0.138694	0.00267	0.004191
0.183915	6.39E-05	-0.01641	0.72364	0.010918	0.81396	0.08253	0.07479	0.100734
0.338067	5.99E-14	0.034597	0.45575	0.068154	0.1414	0.0513	0.26857	-0.16681
-0.28819	2.21E-10	-0.11966	0.00965	-0.19528	2.14E-05	-0.01158	0.80296	0.049179
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0.314381	3.58E-12	-0.02581	0.57795	-0.03969	0.39217	0.121742	0.00845	0.026959
0.450646	9.75E-25	0.308304	9.67E-12	0.273285	1.92E-09	0.247868	5.73E-08	0.152987
0.494658	3.43E-30	0.101309	0.02859	0.260194	1.15E-08	0.158619	0.00058	0.012969
0.202249	1.06E-05	-0.0379	0.41392	-0.1232	0.00769	0.005652	0.90305	-0.00036
0.309887	7.49E-12	0.148316	0.00131	-0.01259	0.78609	0.177711	0.00011	0.066764
0.06813	0.14154	-0.29694	5.83E-11	-0.26766	4.20E-09	-0.17818	0.00011	-0.33079
0.493325	5.16E-30	0.231976	4.00E-07	0.049768	0.28314	0.285377	3.35E-10	0.123614
0.29654	6.20E-11	0.347669	1.03E-14	0.275086	1.49E-09	0.140155	0.0024	0.170362
0.314867	3.31E-12	0.065889	0.15514	-0.00537	0.90795	0.197483	1.72E-05	0.063914
0.452095	6.64E-25	0.097298	0.03555	0.181481	8.01E-05	0.055066	0.23495	-0.12797
0.499093	8.72E-31	0.11429	0.01346	0.144432	0.00175	0.186321	5.10E-05	0.026538
0.223171	1.11E-06	-0.20353	9.29E-06	-0.26032	1.14E-08	0.136952	0.00302	-0.05959
0.432587	1.02E-22	0.189033	3.94E-05	0.075919	0.1013	0.352065	4.50E-15	0.32366
0.577367	7.25E-43	0.201554	1.14E-05	0.343907	2.07E-14	0.249539	4.63E-08	0.014027
0.092314	0.04617	-0.10248	0.02679	-0.23375	3.24E-07	0.163741	0.00038	0.060215
0.23091	4.54E-07	0.014204	0.75949	0.106622	0.02119	-0.07702	0.09641	-0.20894
0.090311	0.05113	-0.15782	0.00062	-0.02098	0.65118	-0.12342	0.00758	-0.28652
0.408265	3.48E-20	0.066098	0.15383	-0.06556	0.15725	0.226712	7.39E-07	0.037451
0.708363	2.33E-72	0.504493	1.60E-31	0.447439	2.27E-24	0.356497	1.93E-15	0.298936
0.436983	3.37E-23	0.106473	0.02138	0.011344	0.80685	0.254265	2.52E-08	0.127318
0.286072	3.02E-10	0.115708	0.01234	0.0709	0.12602	0.138109	0.00278	-0.15296
-0.18003	9.15E-05	-0.03257	0.48263	0.022769	0.62358	-0.02527	0.58596	-0.0401
0.132999	0.00399	-0.01154	0.8036	0.063859	0.16829	-0.22846	6.04E-07	-0.28332
0.309307	8.22E-12	0.01585	0.73263	0.036326	0.43353	0.236631	2.30E-07	0.005175
0.609209	8.83E-49	0.426349	4.76E-22	0.394552	7.60E-19	0.31647	2.53E-12	0.267125

0.065161	0.15976	-0.4265	4.58E-22	-0.26583	5.39E-09	-0.13308	0.00396	-0.37741
0.60093	3.53E-47	0.132557	0.00411	0.264969	6.07E-09	0.246872	6.50E-08	0.104701
0.368032	2.00E-16	0.001708	0.97063	0.075037	0.10534	0.033371	0.47189	-0.09419
0.517922	2.07E-33	0.209048	5.22E-06	0.270458	2.85E-09	0.110064	0.01734	0.130304
0.266225	5.11E-09	-0.02061	0.65691	0.155417	0.00075	-0.00765	0.8691	-0.08889
0.187289	4.65E-05	-0.13848	0.00271	-0.14315	0.00193	-0.13822	0.00276	-0.2743
0.610836	4.23E-49	0.25329	2.86E-08	0.188713	4.06E-05	0.230162	4.95E-07	0.158536
0.376777	3.36E-17	-0.0472	0.30871	0.001127	0.98062	0.116514	0.01174	-0.01581
0.426774	4.29E-22	0.210311	4.56E-06	0.098013	0.03422	0.292092	1.23E-10	0.099417
-0.00979	0.83287	-0.40576	6.18E-20	-0.38557	5.31E-18	-0.08216	0.0761	-0.23147
0.486627	3.89E-29	0.105674	0.02238	0.05924	0.20129	0.28928	1.87E-10	0.310854
0.355833	2.19E-15	-0.09109	0.04914	-0.1518	0.001	0.260611	1.09E-08	0.105961
0.193856	2.46E-05	0.141993	0.0021	0.101322	0.02857	0.127263	0.00589	0.1673
0.18007	9.12E-05	-0.02434	0.59982	-0.06172	0.18303	-0.04839	0.29667	-0.22386
0.102122	0.02733	-0.23739	2.10E-07	-0.29222	1.20E-10	-0.09694	0.03624	-0.26983
0.287939	2.29E-10	-0.00563	0.90338	-0.10633	0.02155	0.170264	0.00022	0.120595
0.084435	0.0683	0.10484	0.02346	-0.06863	0.13865	0.172305	0.00018	0.160436
0.337539	6.59E-14	-0.01477	0.75015	-0.0834	0.07176	0.052416	0.25828	0.026906
0.530526	2.92E-35	0.420506	1.96E-21	0.351206	5.29E-15	0.352761	3.94E-15	0.305377
0.0638	0.16869	-0.00313	0.9463	0.003239	0.94434	-0.20193	1.10E-05	-0.25614
0.351883	4.66E-15	0.149062	0.00123	0.148217	0.00132	0.106364	0.02151	0.00658
0.291796	1.28E-10	-0.06751	0.14522	-0.05453	0.23952	0.035207	0.44783	-0.1226
0.125657	0.00655	-0.18096	8.40E-05	-0.31195	5.35E-12	0.085499	0.06488	-0.11349
0.211682	3.94E-06	-0.26072	1.08E-08	-0.09426	0.04174	-0.16409	0.00037	-0.23781
0.375231	4.63E-17	0.080348	0.08283	-0.11467	0.01315	0.188575	4.11E-05	0.026613
0.182079	7.58E-05	-0.1428	0.00198	-0.19429	2.36E-05	0.100725	0.02953	-0.03141
0.557533	1.69E-39	0.235374	2.67E-07	0.147443	0.0014	0.242538	1.12E-07	0.232623
-0.0554	0.2321	-0.39749	3.97E-19	-0.37767	2.80E-17	-0.09723	0.03568	-0.18557
0.278873	8.65E-10	-0.1313	0.00448	-0.22358	1.06E-06	0.118148	0.01061	0.074176
0.078465	0.09032	-0.14333	0.0019	-0.07798	0.09234	-0.25205	3.36E-08	-0.39435
0.273837	1.77E-09	0.216068	2.45E-06	-0.01267	0.7848	0.248957	4.99E-08	0.310698
0.394617	7.49E-19	0.183875	6.41E-05	0.18065	8.65E-05	0.027049	0.55985	-0.10828
0.678491	2.83E-64	0.479154	3.53E-28	0.395752	5.84E-19	0.406332	5.42E-20	0.383393
0.610855	4.19E-49	0.257713	1.60E-08	0.154017	0.00084	0.328688	3.16E-13	0.342369
0.494462	3.64E-30	0.194845	2.23E-05	0.059981	0.1957	0.283859	4.19E-10	0.21098
0.362901	5.54E-16	0.097137	0.03586	0.43214	1.14E-22	0.165328	0.00033	-0.0087
0.250419	4.14E-08	-0.23623	2.41E-07	-0.07757	0.09406	0.012648	0.78515	-0.13364
-0.3637	4.73E-16	-0.07693	0.0968	-0.13821	0.00276	-0.10623	0.02167	-0.05511
0.516359	3.47E-33	0.0616	0.18389	0.025813	0.57792	0.222848	1.15E-06	0.094267
0.363423	5.00E-16	0.138636	0.00268	0.148547	0.00128	0.063982	0.16747	-0.06924
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0.255985	2.01E-08	-0.06852	0.13925	0.048415	0.29646	0.043351	0.34991	-0.00932
0.202901	9.91E-06	0.047746	0.30319	0.102358	0.02698	0.096924	0.03627	-0.12452
0.617664	1.82E-50	0.135003	0.00347	0.357767	1.51E-15	0.18392	6.39E-05	0.034322
0.347149	1.13E-14	0.431849	1.22E-22	0.263774	7.13E-09	0.372161	8.67E-17	0.323601

0.291165	1.41E-10	-0.01713	0.71204	0.124782	0.00694	0.002868	0.95071	-0.08135
0.348042	9.59E-15	-0.12775	0.0057	0.042028	0.36483	0.014819	0.74942	-0.08544
-0.12712	0.00594	0.072612	0.11711	0.162679	0.00042	-0.10119	0.02878	-0.04681
-0.39823	3.37E-19	-0.10017	0.03043	-0.14495	0.00169	-0.02852	0.53864	0.171411
0.237918	1.97E-07	0.135623	0.00332	0.090372	0.05097	-0.08086	0.0809	0.046733
0.516437	3.38E-33	0.143406	0.00189	0.150925	0.00107	0.291157	1.41E-10	0.091272
0.172107	0.00019	-0.08075	0.08131	-0.21451	2.90E-06	0.179507	9.60E-05	0.166719
0.642424	1.04E-55	0.387744	3.34E-18	0.361927	6.71E-16	0.247364	6.11E-08	0.179933
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0.529026	4.90E-35	0.178588	0.0001	0.130434	0.00475	0.247136	6.28E-08	0.15931
0.599117	7.81E-47	0.394543	7.62E-19	0.397024	4.41E-19	0.332137	1.73E-13	0.269718
0.593181	1.01E-45	0.260878	1.05E-08	0.222826	1.15E-06	0.270035	3.02E-09	0.143884
0.58555	2.53E-44	0.299028	4.22E-11	0.281361	6.04E-10	0.261774	9.34E-09	0.179339
0.369945	1.36E-16	-0.11325	0.01434	0.01507	0.74532	0.024859	0.59206	-0.17318
0.196402	1.91E-05	-0.03333	0.47238	0.083423	0.07169	-0.04047	0.38291	-0.28178
0.377926	2.65E-17	-0.01113	0.81048	0.045403	0.32756	0.070237	0.12961	0.010946
0.652598	5.24E-58	0.518025	2.00E-33	0.411411	1.68E-20	0.36874	1.73E-16	0.374023
0.094645	0.04091	-0.30902	8.62E-12	-0.31799	1.97E-12	-0.12566	0.00655	-0.31443
0.522025	5.28E-34	0.165125	0.00034	0.210943	4.26E-06	0.149153	0.00123	0.058166
0.264771	6.23E-09	-0.1751	0.00014	-0.11097	0.01644	-0.0124	0.78933	-0.21689
0.464307	2.40E-26	0.012485	0.78786	0.060844	0.18934	0.151342	0.00104	0.011762
0.262732	8.21E-09	0.1403	0.00238	0.204394	8.50E-06	0.117932	0.01075	0.113496
0.262745	8.20E-09	-0.24665	6.69E-08	-0.11854	0.01035	-0.04472	0.33489	-0.26157
0.066169	0.15339	-0.14101	0.00226	-0.05514	0.23436	-0.09642	0.03727	-0.21965
0.356448	1.95E-15	0.210581	4.43E-06	0.217997	1.98E-06	0.018181	0.69516	0.140359
0.121628	0.00851	-0.04548	0.32678	0.066581	0.15084	-0.14197	0.0021	-0.25383
0.381663	1.21E-17	0.045109	0.33071	0.016859	0.71633	0.136271	0.00317	-0.03812
0.392983	1.07E-18	0.06997	0.13108	-0.0002	0.99655	0.145464	0.00162	0.071531
0.384223	7.07E-18	0.316852	2.38E-12	0.285999	3.06E-10	0.218122	1.95E-06	0.139591
0.464967	2.00E-26	0.005117	0.91218	0.044208	0.34046	0.137417	0.00292	0.082528
0.042598	0.35836	-0.21416	3.01E-06	-0.29541	7.39E-11	-0.22652	7.56E-07	-0.32859
0.0523	0.25934	-0.27803	9.76E-10	-0.40276	1.22E-19	0.042883	0.35515	-0.12309
0.66799	1.17E-61	0.446914	2.61E-24	0.442711	7.78E-24	0.35524	2.46E-15	0.346749
0.346049	1.39E-14	0.074794	0.10647	0.144437	0.00175	0.176997	0.00012	0.093699
0.30955	7.91E-12	-0.00423	0.92735	-0.00798	0.86344	0.196119	1.97E-05	0.255633
0.061117	0.18736	-0.15792	0.00061	-0.19028	3.49E-05	-0.1534	0.00088	-0.29398
0.241016	1.35E-07	-0.1555	0.00075	0.070578	0.12775	0.025097	0.58851	-0.10708
0.279367	8.06E-10	-0.17292	0.00017	-0.10578	0.02224	0.06442	0.16457	-0.15981
0.207714	6.01E-06	-0.12656	0.00617	0.090899	0.04963	-0.04677	0.31316	-0.20591
0.264461	6.50E-09	0.160162	0.00051	0.272881	2.03E-09	0.094507	0.04121	0.078689
0.562583	2.47E-40	0.103362	0.02551	0.102371	0.02696	0.245205	8.01E-08	0.176602
0.439073	1.98E-23	-0.15125	0.00104	-0.01126	0.80818	0.158975	0.00056	-0.12513
0.179721	9.41E-05	-0.04664	0.31454	-0.01126	0.80823	-0.00554	0.90501	-0.07551
0.405815	6.10E-20	0.161945	0.00044	0.283763	4.25E-10	0.109485	0.01794	0.008796
0.427438	3.64E-22	0.184367	6.13E-05	-0.02544	0.58339	0.263297	7.61E-09	0.195732

0.363538	4.88E-16	0.26546	5.67E-09	0.240045	1.52E-07	0.20447	8.43E-06	0.312667
0.264289	6.65E-09	0.073333	0.11351	0.153948	0.00084	-0.08202	0.0766	-0.12467
0.224948	9.05E-07	-0.10774	0.01986	-0.07849	0.0902	0.185398	5.56E-05	-0.02026
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0.47246	2.43E-27	0.278267	9.44E-10	0.25266	3.10E-08	0.150403	0.00111	0.245544
0.47075	3.94E-27	0.213395	3.27E-06	0.255656	2.10E-08	0.076359	0.09933	-0.03463
0.018913	0.68353	-0.41552	6.41E-21	-0.44649	2.91E-24	-0.07169	0.12184	-0.33349
-0.02953	0.52445	-0.41277	1.22E-20	-0.48828	2.37E-29	-0.09018	0.05147	-0.23062
0.100899	0.02924	0.042192	0.36296	-0.14877	0.00126	0.005706	0.90213	0.034089
0.21747	2.10E-06	-0.08224	0.07583	0.118329	0.01049	0.014669	0.75188	-0.19639
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-0.24236	1.14E-07	0.032849	0.47885	-0.22462	9.40E-07	-0.05497	0.23575	0.110172
0.612745	1.77E-49	0.218811	1.81E-06	0.127313	0.00587	0.302433	2.47E-11	0.24427
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0.311418	5.83E-12	0.04383	0.34461	-0.12573	0.00652	-0.04057	0.3817	-0.05016
0.121587	0.00853	-0.09461	0.04099	-0.36836	1.87E-16	0.024185	0.60215	-0.05332
0.039395	0.39567	-0.11719	0.01126	-0.01218	0.79284	-0.0304	0.51222	-0.17488
-0.03556	0.44333	-0.2047	8.24E-06	-0.17155	0.0002	-0.16052	0.0005	-0.37767
0.206638	6.73E-06	0.106563	0.02127	0.126789	0.00608	-0.02181	0.63828	-0.09676
0.3729	7.46E-17	-0.10614	0.02179	0.062228	0.17945	0.069795	0.13205	-0.09082
0.140142	0.0024	-0.1182	0.01058	-0.00073	0.98751	-0.04309	0.35279	-0.41137
0.581057	1.62E-43	0.395037	6.83E-19	0.317482	2.14E-12	0.280348	6.99E-10	0.266916
0.571607	7.28E-42	0.15311	0.0009	0.200474	1.27E-05	0.18953	3.75E-05	0.011688
0.489134	1.84E-29	-0.10021	0.03038	0.098803	0.03279	0.046152	0.31964	-0.19629
0.504129	1.80E-31	0.000627	0.98922	0.037185	0.42272	0.094968	0.04023	-0.14409
0.556124	2.88E-39	0.069833	0.13184	0.182388	7.37E-05	0.227278	6.92E-07	0.005173
0.183483	6.65E-05	-0.31265	4.76E-12	-0.09305	0.04446	-0.10669	0.02111	-0.31427
0.569154	1.92E-41	0.14322	0.00192	0.144824	0.0017	0.230201	4.93E-07	0.010462
0.23695	2.21E-07	-0.28392	4.16E-10	-0.16645	0.0003	-0.04855	0.29512	-0.37443
0.58219	1.01E-43	0.376286	3.72E-17	0.440244	1.47E-23	0.198395	1.57E-05	0.059137
0.417006	4.51E-21	0.295168	7.66E-11	0.234075	3.12E-07	0.187235	4.67E-05	0.089243
0.589182	5.52E-45	0.299261	4.07E-11	0.341861	3.01E-14	0.263796	7.11E-09	0.000903
0.35198	4.57E-15	0.093944	0.04244	0.093902	0.04253	0.03337	0.4719	-0.02691
0.120371	0.00922	-0.2108	4.33E-06	-0.20051	1.27E-05	-0.04164	0.36927	-0.0995
0.485502	5.45E-29	0.086168	0.0628	0.082628	0.07444	0.172288	0.00018	0.12174
0.218007	1.98E-06	0.038502	0.40648	-0.01435	0.7571	0.022865	0.62212	-0.01538
0.112456	0.01504	-0.04971	0.28373	-0.16777	0.00027	-0.02389	0.60655	-0.11101
0.151101	0.00106	0.088275	0.05662	-0.0842	0.06906	0.258776	1.39E-08	0.164213
0.341318	3.32E-14	0.085457	0.06501	0.119916	0.00949	0.193533	2.54E-05	-0.04698
0.456812	1.87E-25	0.114902	0.01297	0.176942	0.00012	0.327618	3.81E-13	0.238213
-0.08326	0.07225	0.093688	0.04301	0.114623	0.01319	0.037719	0.41609	0.204302
0.458246	1.27E-25	0.208505	5.53E-06	0.104658	0.02371	0.149777	0.00117	0.048855
0.189836	3.64E-05	0.061693	0.18322	0.103027	0.02599	0.125874	0.00646	0.109234
0.444343	5.10E-24	0.111826	0.01562	-0.02021	0.66306	0.177062	0.00012	0.042217
0.411685	1.57E-20	0.017867	0.70016	0.159658	0.00053	0.137182	0.00297	-0.00624

0.304965	1.65E-11	0.090149	0.05155	0.13937	0.00254	0.126782	0.00608	0.105949
0.516229	3.62E-33	0.533629	9.97E-36	0.555596	3.51E-39	0.3235	7.74E-13	0.261174
0.257949	1.56E-08	-0.03886	0.40209	-0.19367	2.51E-05	0.158084	0.00061	0.086944
0.475509	1.01E-27	0.199535	1.40E-05	0.23971	1.58E-07	0.096394	0.03731	0.002155
0.108875	0.0186	-0.19896	1.48E-05	-0.20743	6.19E-06	-0.10338	0.02548	-0.39474
0.053167	0.25151	-0.3292	2.89E-13	-0.39851	3.17E-19	-0.11956	0.00971	-0.36524
0.287549	2.43E-10	-0.03917	0.39833	-0.16435	0.00036	0.12126	0.00871	0.002624
0.627241	1.94E-52	0.394851	7.12E-19	0.243067	1.05E-07	0.302353	2.50E-11	0.340724
0.251605	3.56E-08	-0.27943	7.99E-10	-0.22889	5.74E-07	0.070679	0.12721	-0.13119
-0.02157	0.64204	-0.10023	0.03033	-0.33975	4.41E-14	-0.08062	0.08178	-0.08152
0.00719	0.87685	-0.15123	0.00104	-0.40564	6.34E-20	-0.00016	0.99728	0.041306
0.331133	2.06E-13	-0.05699	0.219	-0.10437	0.0241	0.092442	0.04587	0.008469
0.174801	0.00015	-0.31572	2.87E-12	-0.32037	1.32E-12	-0.05507	0.23495	-0.15952
-0.00234	0.9598	-0.35456	2.80E-15	-0.43742	3.02E-23	-0.04643	0.31677	-0.26675
0.765154	5.86E-91	0.465747	1.61E-26	0.381813	1.18E-17	0.358063	1.42E-15	0.312074
0.152861	0.00092	-0.04034	0.38447	-0.00559	0.90407	0.089647	0.05287	-0.14749
0.287887	2.31E-10	-0.19267	2.77E-05	-0.12686	0.00605	0.120365	0.00922	-0.06844
0.513853	7.90E-33	0.490788	1.12E-29	0.429823	2.02E-22	0.220952	1.42E-06	0.135244
0.39809	3.48E-19	0.01647	0.72259	0.017097	0.71249	0.25523	2.22E-08	0.250431
0.30181	2.73E-11	0.002725	0.95317	-0.0486	0.2946	0.032298	0.48625	-0.00521
0.570342	1.20E-41	0.139144	0.00258	0.117447	0.01108	0.302897	2.30E-11	0.1467
0.35318	3.64E-15	0.004302	0.92613	0.138051	0.00279	0.017092	0.71258	-0.13558
0.509422	3.32E-32	0.152934	0.00091	0.171665	0.00019	0.195445	2.11E-05	0.129954
0.377992	2.62E-17	0.19773	1.68E-05	0.017916	0.69938	0.114245	0.0135	0.198498
0.382838	9.48E-18	0.345119	1.65E-14	0.304989	1.65E-11	0.256144	1.97E-08	0.122945
0.127382	0.00584	-0.34065	3.75E-14	-0.18805	4.32E-05	-0.09612	0.03785	-0.27083
0.246914	6.46E-08	0.018352	0.69243	0.022334	0.63023	-0.09613	0.03783	-0.10709
0.284332	3.91E-10	0.063189	0.17281	0.187652	4.49E-05	0.101609	0.02812	0.039788
0.152252	0.00096	-0.09311	0.0443	0.171802	0.00019	-0.0913	0.04864	-0.32817
0.333655	1.32E-13	0.160205	0.00051	0.16975	0.00023	0.158314	0.0006	0.17851
0.603581	1.10E-47	0.475036	1.16E-27	0.44983	1.21E-24	0.421815	1.43E-21	0.365931
0.211739	3.91E-06	0.033232	0.47373	-0.14425	0.00178	0.257169	1.72E-08	0.1519
0.165304	0.00033	-0.00177	0.96952	-0.17453	0.00015	0.111529	0.0159	-0.11516
0.416343	5.28E-21	0.055433	0.23185	0.097051	0.03603	0.137945	0.00281	-0.04809
0.625864	3.77E-52	0.13421	0.00366	0.2071	6.41E-06	0.159885	0.00052	0.014393
0.705581	1.46E-71	0.309778	7.62E-12	0.4132	1.11E-20	0.36317	5.25E-16	0.249278
0.435162	5.34E-23	0.079119	0.08766	0.053306	0.25027	0.184924	5.81E-05	0.064544
0.704817	2.40E-71	0.353159	3.65E-15	0.391245	1.57E-18	0.331791	1.83E-13	0.212647
0.486108	4.55E-29	0.034417	0.45809	0.103756	0.02495	0.124688	0.00698	4.75E-05
0.349183	7.75E-15	0.269295	3.35E-09	0.036206	0.43505	0.092417	0.04593	0.108098
0.692932	4.65E-68	0.400745	1.92E-19	0.350472	6.08E-15	0.33072	2.21E-13	0.269787
0.327428	3.93E-13	0.079877	0.08466	-0.01761	0.70434	0.040766	0.37942	-0.05507
0.214366	2.95E-06	-0.15364	0.00086	0.053981	0.24431	-0.08461	0.06772	-0.13689
-0.09876	0.03286	0.116021	0.01211	0.068714	0.13816	0.028826	0.53434	0.123834
0.149314	0.00121	0.165351	0.00033	0.015409	0.7398	0.127193	0.00591	0.030263

0.269336	3.33E-09	0.240347	1.46E-07	-0.10046	0.02996	0.138013	0.0028	0.258136
0.500909	4.95E-31	0.211739	3.91E-06	0.210412	4.51E-06	0.254743	2.37E-08	0.088215
0.492722	6.20E-30	0.118248	0.01054	0.077422	0.0947	0.258524	1.44E-08	0.236941
0.286177	2.98E-10	-0.07655	0.0985	-0.01149	0.80435	-0.00225	0.96136	-0.15187
0.333174	1.44E-13	0.160997	0.00048	0.146756	0.00147	0.210979	4.25E-06	0.105125
-0.17217	0.00018	0.029092	0.53057	0.070516	0.12809	0.134624	0.00356	0.178034
0.305786	1.45E-11	0.145319	0.00164	0.264153	6.78E-09	0.129221	0.00516	0.245892
0.659379	1.37E-59	0.288849	2.00E-10	0.242196	1.16E-07	0.170937	0.00021	0.150146
0.441719	1.00E-23	-0.02454	0.59683	0.027855	0.54821	0.102521	0.02673	-0.03018
0.106584	0.02124	-0.15872	0.00058	-0.15931	0.00055	0.096648	0.03681	-0.01667
0.106874	0.02089	-0.1597	0.00053	-0.15755	0.00063	-0.09717	0.0358	-0.23836
0.175381	0.00014	-0.18142	8.06E-05	-0.08316	0.07258	-0.06214	0.18005	-0.15285
0.023907	0.60633	-0.29699	5.79E-11	-0.28761	2.41E-10	-0.15408	0.00084	-0.24644
0.261481	9.72E-09	-0.11496	0.01292	-0.14803	0.00134	0.018139	0.69582	-0.29403
-0.39942	2.59E-19	-0.21543	2.62E-06	-0.29997	3.64E-11	-0.04745	0.30617	0.116793
0.106565	0.02126	-0.07795	0.09246	0.18452	6.04E-05	-0.18582	5.35E-05	-0.24593
-0.10068	0.02959	-0.01722	0.71058	0.008564	0.85356	-0.059	0.20313	0.044479
-0.10812	0.01944	-0.29753	5.32E-11	-0.47553	1.01E-27	-0.07827	0.09113	-0.21041
0.184665	5.96E-05	0.135103	0.00344	0.278973	8.53E-10	-0.03663	0.42969	-0.15741
0.364024	4.44E-16	0.317493	2.14E-12	0.235077	2.77E-07	0.255067	2.27E-08	0.222435
0.657778	3.27E-59	0.390869	1.70E-18	0.355955	2.14E-15	0.242125	1.17E-07	0.241343
0.42959	2.14E-22	0.190014	3.58E-05	0.291514	1.34E-10	0.202762	1.01E-05	0.168898
0.055802	0.22874	-0.34326	2.33E-14	-0.15639	0.0007	-0.12845	0.00544	-0.51585
0.427529	3.56E-22	0.278892	8.63E-10	0.074521	0.10776	0.205372	7.68E-06	0.370914
0.314623	3.44E-12	0.188033	4.33E-05	0.117921	0.01076	0.122623	0.00798	0.242123
0.119074	0.01001	0.124018	0.00729	0.01774	0.70219	0.072802	0.11615	0.024964
0.156163	0.00071	-0.0961	0.0379	-0.2055	7.57E-06	0.065414	0.15815	0.115575
0.388314	2.95E-18	0.13319	0.00393	-0.00917	0.84341	0.158918	0.00057	0.084459
0.640074	3.43E-55	0.460013	7.83E-26	0.319009	1.66E-12	0.296102	6.64E-11	0.249361
0.701554	1.99E-70	0.471515	3.17E-27	0.570158	1.29E-41	0.259003	1.35E-08	0.189929
0.326542	4.59E-13	-0.09942	0.03172	0.093215	0.04407	0.089774	0.05253	-0.0436
0.426619	4.45E-22	0.328529	3.25E-13	0.244055	9.25E-08	0.355251	2.45E-15	0.27818
0.403212	1.10E-19	-0.07437	0.10846	0.08647	0.06188	0.129539	0.00505	-0.09768
0.295455	7.33E-11	-0.03534	0.44614	-0.0263	0.57083	-0.00276	0.95255	-0.16931
0.497209	1.56E-30	0.133031	0.00398	0.114597	0.01321	0.280696	6.65E-10	0.191821
0.434444	6.39E-23	0.009232	0.84228	0.082293	0.07563	0.178603	0.0001	0.048153
0.45105	8.77E-25	0.103198	0.02574	0.046046	0.32075	0.237344	2.11E-07	0.153214
0.148497	0.00129	-0.12175	0.00844	-0.00741	0.87306	-0.04709	0.30993	-0.26699
-0.05089	0.27244	-0.33136	1.98E-13	-0.41047	2.09E-20	-0.13525	0.00341	-0.35393
0.560276	5.97E-40	0.180128	9.07E-05	0.19178	3.02E-05	0.206538	6.80E-06	0.003878
0.497233	1.55E-30	0.029873	0.51959	0.019227	0.67856	0.188644	4.09E-05	0.093109
0.462856	3.59E-26	-0.05422	0.24224	0.085069	0.06624	0.11869	0.01025	-0.08655
0.3404	3.93E-14	0.058784	0.20479	0.009308	0.841	0.171116	0.0002	0.073476
0.177067	0.00012	-0.12322	0.00768	-0.00123	0.97885	0.049081	0.28985	-0.0439
0.327828	3.67E-13	0.240786	1.39E-07	0.271987	2.30E-09	0.049395	0.28678	0.108271

-0.07172	0.12171	-0.32453	6.49E-13	-0.49434	3.79E-30	-0.11586	0.01223	-0.2738
0.562003	3.09E-40	0.237935	1.96E-07	0.111528	0.0159	0.365191	3.52E-16	0.311555
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0.459241	9.67E-26	0.200241	1.30E-05	0.048956	0.29109	0.217665	2.05E-06	0.073332
0.569451	1.71E-41	0.346238	1.34E-14	0.221628	1.32E-06	0.305141	1.61E-11	0.256359
0.299958	3.65E-11	0.125403	0.00666	0.198528	1.55E-05	0.112822	0.01471	0.091419
0.406161	5.63E-20	0.05604	0.22677	-0.02454	0.59686	0.442171	8.94E-24	0.179637
-0.09133	0.04856	0.041504	0.37085	-0.09691	0.0363	0.014665	0.75194	0.008445
0.349045	7.95E-15	-0.18224	7.47E-05	-0.07634	0.09939	0.051358	0.26803	0.029444
0.108804	0.01868	-0.30432	1.83E-11	-0.1992	1.45E-05	-0.02479	0.59307	-0.13186
0.487255	3.23E-29	-0.02177	0.63894	-0.03226	0.48674	0.227854	6.48E-07	0.052207
0.493448	4.97E-30	0.252198	3.30E-08	0.413231	1.10E-20	0.139826	0.00246	-0.05305
0.19996	1.34E-05	-0.24554	7.68E-08	0.108657	0.01884	-0.12918	0.00518	-0.31427
0.092012	0.04689	-0.24112	1.33E-07	-0.34447	1.86E-14	-0.11796	0.01074	-0.16382
-0.06924	0.13515	-0.14974	0.00117	-0.3415	3.21E-14	-0.13714	0.00298	-0.19761
0.379997	1.72E-17	0.34281	2.53E-14	0.323816	7.33E-13	0.385074	5.90E-18	0.264409
0.035477	0.44435	-0.16593	0.00032	-0.15776	0.00062	-0.0919	0.04716	-0.1637
0.254809	2.35E-08	0.069012	0.13645	0.093789	0.04278	0.297806	5.10E-11	0.194873
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0.018793	0.68543	-0.32809	3.51E-13	-0.3746	5.27E-17	-0.10229	0.02707	-0.34829
0.442574	8.06E-24	0.148178	0.00132	0.077347	0.09502	0.189522	3.76E-05	0.116667
0.414992	7.26E-21	-0.13537	0.00338	-0.00332	0.94294	0.14438	0.00176	0.022875
0.467254	1.06E-26	0.088665	0.05553	-0.03357	0.46922	0.23909	1.70E-07	0.206857
0.157938	0.00061	-0.17941	9.68E-05	-0.09354	0.04334	0.003484	0.94014	-0.21581
0.042923	0.3547	-0.21192	3.84E-06	-0.18376	6.48E-05	-0.11693	0.01145	-0.28074
0.26215	8.88E-09	0.278531	9.09E-10	0.046816	0.31272	0.128935	0.00526	0.130837
0.193552	2.54E-05	-0.34347	2.24E-14	-0.17809	0.00011	-0.04339	0.34946	-0.23374
0.030414	0.51205	-0.23462	2.92E-07	-0.24465	8.58E-08	0.057437	0.21537	-0.14761
0.19913	1.46E-05	-0.06836	0.1402	-0.03492	0.45149	0.140958	0.00226	0.1253
-0.04121	0.3743	-0.04193	0.36599	0.017909	0.69948	-0.04288	0.35521	-0.12751
0.152645	0.00094	-0.10728	0.0204	-0.03075	0.50745	-0.07049	0.12821	-0.20672
0.324289	6.76E-13	-0.25443	2.47E-08	-0.03344	0.47093	-0.03613	0.43599	-0.21369
0.543186	3.37E-37	0.306444	1.31E-11	0.22969	5.23E-07	0.323668	7.52E-13	0.348479
0.264098	6.83E-09	-0.10781	0.01979	-0.04888	0.29179	0.18085	8.49E-05	0.107484
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0.136743	0.00307	-0.34	4.22E-14	-0.22539	8.61E-07	-0.05083	0.27294	-0.20673
0.751303	5.84E-86	0.58688	1.45E-44	0.537172	2.87E-36	0.503652	2.09E-31	0.360454
0.131375	0.00446	-0.2892	1.90E-10	-0.16982	0.00023	-0.0452	0.32968	-0.26762
0.149897	0.00116	-0.38787	3.25E-18	-0.1448	0.00171	-0.11196	0.0155	-0.46142
0.626521	2.75E-52	0.52552	1.62E-34	0.398062	3.50E-19	0.429571	2.15E-22	0.410999
0.235936	2.50E-07	-0.10351	0.02529	0.036675	0.42913	0.062309	0.17888	-0.20812
0.33404	1.23E-13	0.192811	2.73E-05	0.098275	0.03374	0.188169	4.28E-05	0.090029
0.460429	6.99E-26	0.297015	5.76E-11	0.355353	2.40E-15	0.133822	0.00377	0.081856
0.597815	1.38E-46	0.262676	8.27E-09	0.21437	2.94E-06	0.334479	1.14E-13	0.136028
0.243979	9.34E-08	-0.00069	0.9881	0.095105	0.03994	0.023255	0.61619	-0.13203



0.445632	3.65E-24	0.200206	1.31E-05	0.235944	2.49E-07	0.20275	1.01E-05	0.042545
0.003468	0.94042	-0.14863	0.00128	-0.18397	6.36E-05	-0.18278	7.10E-05	-0.19458
0.094154	0.04198	-0.26096	1.04E-08	-0.3798	1.79E-17	0.045958	0.32167	-0.00844
0.186942	4.80E-05	-0.31279	4.66E-12	-0.1214	0.00864	-0.03936	0.39613	-0.17843
0.01061	0.81912	-0.28159	5.84E-10	-0.46304	3.41E-26	-0.04391	0.34368	-0.12244
0.099714	0.03121	-0.47314	2.00E-27	-0.38431	6.94E-18	-0.131	0.00457	-0.29044
0.538662	1.70E-36	0.087892	0.0577	0.149715	0.00117	0.204759	8.18E-06	0.076787
0.164715	0.00035	-0.3029	2.30E-11	-0.29843	4.63E-11	0.120039	0.00942	-0.11315
0.071599	0.12232	-0.44873	1.62E-24	-0.4341	6.97E-23	-0.13433	0.00363	-0.23904
0.217659	2.05E-06	-0.07733	0.0951	0.166248	0.00031	-0.05582	0.22856	-0.0728
0.605278	5.16E-48	0.242538	1.12E-07	0.175776	0.00013	0.324858	6.13E-13	0.105354
0.568022	2.99E-41	0.38589	4.96E-18	0.302188	2.57E-11	0.230895	4.54E-07	0.125996
0.491804	8.19E-30	0.162462	0.00042	0.141773	0.00213	0.299268	4.06E-11	0.232635
0.465736	1.61E-26	0.233533	3.33E-07	0.150525	0.0011	0.238687	1.79E-07	0.131051
0.401845	1.50E-19	0.031965	0.49076	0.108445	0.01907	0.064267	0.16558	-0.0721
0.044417	0.33818	-0.26554	5.61E-09	-0.22164	1.32E-06	-0.06464	0.16314	-0.21488
0.355744	2.23E-15	0.03265	0.48152	0.019359	0.67648	-0.00546	0.90639	0.027524
0.215165	2.70E-06	-0.16621	0.00031	-0.2459	7.34E-08	0.047026	0.31055	0.104499
0.17565	0.00014	-0.35262	4.05E-15	-0.21493	2.77E-06	-0.03593	0.43853	-0.31628
0.165901	0.00032	-0.25057	4.06E-08	-0.20382	9.02E-06	0.013133	0.77713	-0.09915
0.440105	1.52E-23	0.150787	0.00108	-0.04846	0.29604	0.29474	8.18E-11	0.251803
0.565253	8.80E-41	0.17495	0.00014	0.092551	0.04561	0.349713	7.01E-15	0.147225
0.504354	1.67E-31	0.192044	2.94E-05	0.08112	0.07991	0.259732	1.23E-08	0.194385
0.525687	1.53E-34	0.171653	0.00019	0.115993	0.01213	0.272008	2.30E-09	0.25327
0.353343	3.53E-15	-0.16702	0.00029	0.051058	0.27084	-0.05666	0.22167	-0.25815
0.289738	1.75E-10	-0.14681	0.00147	-0.13277	0.00405	0.027023	0.56022	-0.21145
0.384158	7.17E-18	-0.06519	0.15957	-0.00408	0.92998	0.156638	0.00068	0.078373
0.452973	5.25E-25	0.07644	0.09897	0.201645	1.13E-05	0.244586	8.66E-08	-0.0137
0.208719	5.40E-06	-0.11164	0.0158	-0.29376	9.50E-11	0.111722	0.01572	0.028461
0.027463	0.55386	-0.31589	2.79E-12	-0.36823	1.92E-16	-0.05587	0.22819	-0.19156
0.597863	1.35E-46	0.469644	5.39E-27	0.330054	2.49E-13	0.377543	2.87E-17	0.355014
0.147746	0.00137	-0.04327	0.35082	0.026186	0.57245	0.104943	0.02333	0.035736
0.223819	1.03E-06	-0.10143	0.0284	0.054542	0.23944	0.108255	0.01928	-0.03543
0.287606	2.41E-10	-0.08152	0.07842	-0.1996	1.39E-05	0.247939	5.68E-08	-0.01385
0.577692	6.36E-43	0.34418	1.96E-14	0.457732	1.46E-25	0.316856	2.38E-12	0.20048
0.23614	2.44E-07	0.047168	0.30908	0.118761	0.01021	0.176194	0.00013	0.029852
0.412518	1.30E-20	0.075605	0.10272	0.086661	0.06131	0.076151	0.10026	0.112941
0.064913	0.16136	-0.35626	2.02E-15	-0.27017	2.96E-09	-0.10408	0.0245	-0.34359
0.590609	3.02E-45	0.131342	0.00447	0.204526	8.38E-06	0.238089	1.93E-07	0.056149
0.555045	4.32E-39	0.445995	3.32E-24	0.381738	1.20E-17	0.315823	2.82E-12	0.197065
0.408796	3.08E-20	-0.00131	0.97754	-0.09598	0.03814	0.068924	0.13695	0.03392
0.339464	4.65E-14	-0.14013	0.0024	-0.11156	0.01587	0.077673	0.09363	-0.05593
0.594042	7.01E-46	0.300437	3.38E-11	0.233692	3.26E-07	0.238452	1.84E-07	0.188613
0.187602	4.51E-05	0.286448	2.86E-10	0.186173	5.17E-05	0.081317	0.07918	0.151618
0.459769	8.37E-26	0.023991	0.60506	0.132082	0.00425	0.12168	0.00848	-0.07872

0.440591	1.34E-23	0.100568	0.02978	0.026948	0.56131	0.106607	0.02121	-0.11465
0.254407	2.47E-08	-0.16684	0.00029	-0.26157	9.60E-09	0.05775	0.21288	-0.16806
-0.0866	0.06151	-0.061	0.18822	-0.06336	0.17164	0.041572	0.37006	0.123522
-0.19318	2.63E-05	-0.03469	0.45453	-0.03363	0.46846	-0.00149	0.97435	0.177154
0.44117	1.16E-23	0.40663	5.06E-20	0.33692	7.36E-14	0.30614	1.37E-11	0.172787
0.430148	1.87E-22	0.451878	7.03E-25	0.452694	5.66E-25	0.288622	2.07E-10	0.27278
0.602745	1.59E-47	0.397083	4.35E-19	0.359683	1.04E-15	0.305912	1.42E-11	0.141452
-0.25015	4.29E-08	0.123719	0.00743	0.076896	0.09697	0.045078	0.33103	0.175562
0.366109	2.93E-16	-0.10946	0.01797	-0.07471	0.10685	0.092508	0.04571	0.022267
0.391573	1.46E-18	-0.01784	0.70055	0.023362	0.61457	0.140625	0.00232	0.105533
0.124117	0.00724	-0.1171	0.01133	-0.20404	8.82E-06	-0.02788	0.5479	-0.00063
0.192581	2.79E-05	-0.24079	1.39E-07	-0.14942	0.0012	-0.00896	0.84691	-0.24013
0.298308	4.72E-11	-0.04156	0.37016	-0.00983	0.83217	0.08941	0.0535	-0.16598
0.100415	0.03003	-0.1762	0.00013	-0.20707	6.43E-06	-0.06575	0.156	-0.22941
-0.06496	0.16106	-0.44807	1.92E-24	-0.28666	2.77E-10	-0.1505	0.00111	-0.4422
0.009972	0.82983	-0.4508	9.37E-25	-0.35003	6.61E-15	0.171072	0.0002	-0.27745
0.211852	3.87E-06	-0.14534	0.00164	0.072205	0.11918	0.028734	0.53565	-0.19753
0.216426	2.35E-06	-0.28221	5.33E-10	-0.28163	5.80E-10	0.083707	0.07072	-0.20238
0.722108	1.97E-76	0.444155	5.35E-24	0.346887	1.19E-14	0.425172	6.34E-22	0.39895
0.302619	2.40E-11	0.019268	0.67792	-0.09771	0.03478	-0.00488	0.91632	-0.14826
0.547668	6.63E-38	0.268671	3.65E-09	0.140774	0.00229	0.30556	1.50E-11	0.135035
0.289034	1.94E-10	-0.01936	0.67653	-0.0508	0.27323	0.028536	0.53847	-0.09182
0.674425	3.01E-63	0.354458	2.85E-15	0.37861	2.30E-17	0.411277	1.73E-20	0.360916
0.350799	5.71E-15	0.123941	0.00733	-0.06963	0.13297	0.139836	0.00246	0.177077
0.233013	3.54E-07	-0.1071	0.02061	-0.15618	0.00071	-0.05027	0.27827	-0.15022
0.452612	5.78E-25	0.116964	0.01142	0.196326	1.93E-05	0.0797	0.08535	-0.0265
0.065869	0.15527	-0.41532	6.72E-21	-0.34738	1.08E-14	-0.14051	0.00234	-0.38094
0.472783	2.21E-27	0.178384	0.00011	0.228837	5.78E-07	0.313888	3.89E-12	0.24046
0.294332	8.71E-11	0.156377	0.0007	0.049058	0.29008	0.144807	0.0017	0.199528
0.145592	0.00161	-0.18887	4.00E-05	-0.03355	0.46955	-0.00936	0.84018	-0.19468
0.2192	1.73E-06	-0.16015	0.00051	-0.24512	8.10E-08	0.075649	0.10252	-0.17063
0.14666	0.00148	-0.08591	0.06358	-0.17416	0.00016	0.024429	0.59848	-0.02875
0.224696	9.32E-07	-0.00863	0.85249	-0.20611	7.11E-06	0.165947	0.00032	0.122333
0.369058	1.62E-16	0.147701	0.00137	0.033552	0.46947	0.30074	3.23E-11	0.142754
0.319607	1.50E-12	0.059476	0.1995	-0.06267	0.17638	0.186041	5.23E-05	0.155576
0.08911	0.05431	-0.15966	0.00053	-0.16807	0.00026	-0.12782	0.00567	-0.21665
0.085677	0.06432	-0.07921	0.0873	-0.32328	8.03E-13	-0.00995	0.83024	0.097029
0.193758	2.49E-05	0.003062	0.94738	-0.1532	0.0009	0.029115	0.53024	-0.05747
0.531771	1.90E-35	0.31963	1.49E-12	0.274199	1.69E-09	0.414007	9.15E-21	0.329034
0.704576	2.81E-71	0.297335	5.49E-11	0.236427	2.35E-07	0.477837	5.17E-28	0.323215
0.363142	5.28E-16	-0.05228	0.25955	0.003648	0.93733	0.161558	0.00046	0.058911
0.229515	5.34E-07	-0.15239	0.00095	-0.21372	3.16E-06	0.047312	0.30761	-0.08049
0.298166	4.82E-11	-0.06025	0.19368	-0.14805	0.00133	0.061636	0.18363	-0.12543
0.487004	3.48E-29	0.327119	4.15E-13	0.267298	4.41E-09	0.260975	1.04E-08	0.196128
0.31758	2.11E-12	-0.14997	0.00115	-0.11551	0.0125	-0.02587	0.57707	-0.11962

0.127507	0.00579	-0.28017	7.18E-10	-0.22937	5.43E-07	0.028601	0.53753	-0.00864
0.602447	1.81E-47	0.543049	3.54E-37	0.358014	1.44E-15	0.325041	5.94E-13	0.402104
0.29729	5.52E-11	0.01142	0.80557	0.062454	0.17787	0.197726	1.68E-05	0.229363
0.197186	1.77E-05	-0.15667	0.00068	-0.22744	6.79E-07	0.083685	0.0708	-0.03984
0.340749	3.68E-14	0.351503	5.00E-15	0.298524	4.56E-11	0.155355	0.00076	0.082023
0.330774	2.19E-13	0.073548	0.11245	0.223023	1.13E-06	0.033589	0.46899	0.040325
0.745337	6.59E-84	0.677824	4.18E-64	0.563729	1.59E-40	0.45241	6.10E-25	0.38303
0.368874	1.69E-16	0.088833	0.05507	0.0025	0.95703	0.243817	9.53E-08	0.053313
0.217005	2.21E-06	0.034889	0.45195	0.128624	0.00537	0.11829	0.01052	-0.14031
-0.23424	3.06E-07	-0.11745	0.01108	-0.22943	5.39E-07	-0.11043	0.01697	-0.05775
0.323402	7.87E-13	0.134246	0.00366	0.002182	0.96249	0.234855	2.84E-07	0.107232
0.384713	6.37E-18	0.224632	9.38E-07	0.265053	6.00E-09	0.043768	0.3453	0.049007
0.530594	2.86E-35	0.247363	6.11E-08	0.18908	3.92E-05	0.352953	3.80E-15	0.310346
-0.05276	0.25519	0.113449	0.01417	0.140312	0.00237	0.071272	0.12404	0.131166
0.079536	0.086	-0.15028	0.00112	0.000489	0.99159	-0.03798	0.41291	-0.24821
0.440845	1.26E-23	0.182898	7.02E-05	0.131719	0.00435	0.171949	0.00019	0.102566
0.627254	1.93E-52	0.415627	6.25E-21	0.307372	1.12E-11	0.345717	1.48E-14	0.297846
0.345383	1.57E-14	0.09536	0.03941	0.102561	0.02667	0.194471	2.32E-05	0.186644
0.283561	4.38E-10	-0.26528	5.81E-09	-0.15717	0.00065	0.060474	0.19204	-0.1811
0.11031	0.01709	-0.24156	1.26E-07	-0.17406	0.00016	-0.05497	0.23576	-0.16795
0.291388	1.36E-10	-0.07045	0.12842	-0.05625	0.22498	0.083597	0.0711	-0.05567
0.327699	3.75E-13	-0.00717	0.87721	-0.04165	0.36913	0.118991	0.01006	0.038495
0.636949	1.65E-54	0.4047	7.86E-20	0.305643	1.48E-11	0.372847	7.54E-17	0.299778
0.544502	2.10E-37	0.277476	1.06E-09	0.072467	0.11784	0.372196	8.61E-17	0.310308
0.234173	3.08E-07	0.228058	6.33E-07	0.262093	8.95E-09	0.051688	0.26497	-0.00826
-0.09179	0.04743	0.026978	0.56087	-0.04017	0.38645	-0.05058	0.27531	-0.06383
0.254365	2.49E-08	0.221809	1.29E-06	0.235623	2.59E-07	0.287482	2.45E-10	0.229815
0.357559	1.57E-15	0.041571	0.37007	0.02119	0.64786	-0.03595	0.4383	-0.01659
0.173031	0.00017	0.041298	0.37323	-0.11152	0.01591	0.121575	0.00854	0.219508
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0.042218	0.36266	-0.29665	6.10E-11	-0.12077	0.00899	-0.21551	2.60E-06	-0.29581
0.394622	7.49E-19	0.047293	0.3078	0.207872	5.91E-06	0.064942	0.16117	0.176173
0.149136	0.00123	-0.09684	0.03643	0.000385	0.99337	-0.2195	1.67E-06	-0.20853
0.21495	2.76E-06	-0.15418	0.00083	0.010656	0.81834	-0.07855	0.08997	-0.20776
0.18566	5.42E-05	0.045865	0.32266	0.050947	0.27189	-0.06983	0.13188	-0.31821
0.259027	1.35E-08	0.067994	0.14234	0.245362	7.86E-08	0.205639	7.47E-06	0.066444
0.524861	2.03E-34	0.212152	3.74E-06	0.170921	0.00021	0.254802	2.35E-08	0.106077
0.064589	0.16347	0.003825	0.9343	0.033929	0.4645	-0.10532	0.02283	-0.17945
0.764483	1.04E-90	0.474939	1.19E-27	0.394386	7.88E-19	0.48774	2.79E-29	0.45888
0.683966	1.10E-65	0.519826	1.10E-33	0.501838	3.70E-31	0.332124	1.73E-13	0.306988
0.243539	9.86E-08	-0.11113	0.01628	0.097234	0.03568	-0.07745	0.09456	-0.22421
0.532186	1.65E-35	0.134143	0.00368	0.234667	2.91E-07	0.084661	0.06756	-0.05147
0.158052	0.00061	-0.08614	0.06288	-0.24353	9.87E-08	0.129694	0.005	0.118314
-0.06237	0.17849	-0.45626	2.17E-25	-0.55246	1.13E-38	-0.11457	0.01323	-0.32788
0.013351	0.77354	-0.42334	9.89E-22	-0.50816	4.98E-32	-0.1163	0.0119	-0.33964

0.168603	0.00025	-0.16453	0.00036	-0.349	8.02E-15	0.067431	0.14568	-0.08252
-0.0095	0.8377	-0.33932	4.77E-14	-0.45818	1.29E-25	-0.06005	0.1952	-0.1731
-0.23077	4.61E-07	-0.05939	0.20016	-0.11193	0.01552	-0.07265	0.11691	0.013223
0.096528	0.03705	-0.2057	7.42E-06	-0.11704	0.01137	-0.07566	0.10249	-0.4208
0.337451	6.69E-14	-0.03435	0.45896	-0.05362	0.24745	0.080355	0.08281	-0.02343
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0.376852	3.31E-17	-0.00517	0.91132	-0.0335	0.47016	0.095873	0.03835	-0.06194
0.538912	1.55E-36	0.314074	3.77E-12	0.156364	0.0007	0.220305	1.53E-06	0.180844
-0.00677	0.88407	-0.0535	0.24851	-0.00096	0.98358	0.067538	0.14505	0.15205
0.408635	3.19E-20	0.22508	8.91E-07	0.259847	1.21E-08	0.11355	0.01408	0.064755
0.145519	0.00162	-0.33993	4.27E-14	-0.3459	1.43E-14	-0.0281	0.5447	-0.318
0.524535	2.27E-34	0.289945	1.70E-10	0.367088	2.41E-16	0.218549	1.86E-06	0.260306
0.359466	1.09E-15	-0.12397	0.00732	-0.09618	0.03774	0.100369	0.03011	-0.02771
0.359974	9.83E-16	0.1438	0.00184	-0.10808	0.01948	0.268122	3.94E-09	0.091386
0.307977	1.02E-11	-0.02667	0.5653	0.053155	0.25162	-0.00059	0.98978	-0.18021
0.057907	0.21164	-0.28828	2.18E-10	-0.16296	0.00041	-0.10371	0.02501	-0.33544
0.663363	1.55E-60	0.383705	7.89E-18	0.326767	4.41E-13	0.380909	1.42E-17	0.212346
-0.01293	0.78054	-0.14868	0.00127	-0.20907	5.20E-06	-0.05826	0.20888	-0.24133
-0.0025	0.95697	-0.25572	2.08E-08	-0.12388	0.00736	-0.16646	0.0003	-0.30324
0.155353	0.00076	0.056324	0.22441	0.125549	0.0066	-0.13586	0.00326	-0.21901
0.121491	0.00858	-0.3116	5.66E-12	-0.26048	1.11E-08	-0.0902	0.05142	-0.25424
0.324184	6.88E-13	0.178304	0.00011	-0.05348	0.24875	0.182752	7.12E-05	0.049891
0.523132	3.64E-34	0.397683	3.81E-19	0.233615	3.29E-07	0.363175	5.25E-16	0.189278
0.592036	1.65E-45	0.317537	2.12E-12	0.243563	9.83E-08	0.285121	3.48E-10	0.277348
-0.02305	0.6193	-0.15668	0.00068	-0.2433	1.02E-07	0.034012	0.46341	-0.18088
0.486634	3.89E-29	0.334482	1.14E-13	0.290819	1.49E-10	0.28162	5.81E-10	0.12226
0.364577	3.98E-16	0.011968	0.79645	0.043041	0.35337	0.158763	0.00057	-0.02449
0.30394	1.95E-11	-0.08545	0.06503	-0.01288	0.78133	0.244199	9.08E-08	0.003189
0.126543	0.00618	-0.2398	1.56E-07	-0.27668	1.18E-09	-0.07671	0.09777	-0.3071
0.559036	9.58E-40	0.274001	1.73E-09	0.209945	4.74E-06	0.362974	5.46E-16	0.305715
0.387273	3.69E-18	0.17591	0.00013	0.171975	0.00019	0.098039	0.03417	0.083574
0.285866	3.12E-10	0.097248	0.03565	0.071364	0.12356	0.136231	0.00318	-0.03203
-0.01098	0.81298	-0.36137	7.48E-16	-0.17809	0.00011	-0.30165	2.79E-11	-0.42134
0.05158	0.26597	-0.17771	0.00011	-0.09833	0.03364	-0.03158	0.49596	-0.2111
0.248435	5.33E-08	-0.01658	0.7208	-0.10171	0.02796	-0.01984	0.66886	-0.18558
0.475511	1.01E-27	0.242858	1.07E-07	0.238926	1.74E-07	0.112531	0.01497	0.252077
0.542578	4.19E-37	0.259831	1.21E-08	0.316446	2.54E-12	0.316731	2.43E-12	0.296597
0.208863	5.32E-06	-0.10815	0.0194	-0.21022	4.61E-06	-0.01852	0.68978	-0.05595
0.273214	1.94E-09	-0.01909	0.68076	0.152065	0.00098	-0.0519	0.26297	-0.24841
0.373004	7.30E-17	0.049546	0.2853	0.172786	0.00018	0.103584	0.02519	-0.11315
0.038865	0.40207	-0.23648	2.34E-07	-0.21715	2.17E-06	0.035643	0.44223	-0.19394
0.564531	1.16E-40	0.091186	0.04891	0.12104	0.00884	0.216595	2.31E-06	0.02843
0.01892	0.68342	-0.1575	0.00064	-0.35405	3.08E-15	0.089505	0.05325	0.154312
0.273611	1.83E-09	0.030155	0.51565	-0.0604	0.1926	0.097335	0.03548	-0.10122
0.3091	8.51E-12	0.062479	0.1777	-0.13242	0.00415	0.286367	2.89E-10	0.186095

1.29E-05	0.99978	-0.45586	2.42E-25	-0.32071	1.24E-12	-0.21857	1.86E-06	-0.27732
0.23915	1.69E-07	-0.19917	1.45E-05	0.089622	0.05294	-0.06696	0.14852	-0.19887
0.250157	4.28E-08	-0.07347	0.11282	-0.06516	0.15978	0.205584	7.51E-06	0.058606
-0.10159	0.02815	0.015898	0.73185	-0.02858	0.53785	-0.13506	0.00345	0.078699
-0.0021	0.96396	-0.22728	6.92E-07	-0.12807	0.00558	-0.02695	0.56135	-0.13204
-0.17642	0.00013	-0.2768	1.17E-09	-0.2943	8.75E-11	-0.13316	0.00394	-0.21419
0.731775	1.90E-79	0.590793	2.80E-45	0.537162	2.89E-36	0.381371	1.29E-17	0.271998
0.177451	0.00012	-0.18786	4.40E-05	-0.01179	0.79936	-0.08495	0.06661	-0.29162
0.45906	1.02E-25	0.170924	0.00021	0.130755	0.00465	0.321012	1.18E-12	0.166241
0.129983	0.0049	-0.15822	0.0006	-0.05303	0.25278	-0.11044	0.01696	-0.29721
0.133192	0.00393	0.000697	0.98801	0.031207	0.5011	-0.14321	0.00192	-0.22595
0.469112	6.26E-27	0.102455	0.02683	0.052474	0.25775	0.241726	1.23E-07	0.136906
0.637586	1.20E-54	0.49554	2.62E-30	0.353525	3.41E-15	0.415265	6.81E-21	0.361321
0.240438	1.45E-07	0.150871	0.00107	0.076747	0.09762	0.163204	0.0004	-0.13923
-0.38347	8.30E-18	-0.10484	0.02347	-0.28286	4.85E-10	-0.0548	0.23726	0.048842
0.320324	1.33E-12	0.130229	0.00482	0.23888	1.75E-07	0.101016	0.02906	-0.09941
-0.08704	0.06017	0.158187	0.0006	0.206309	6.96E-06	0.016964	0.71463	0.053671
0.316159	2.67E-12	-0.08638	0.06215	-0.08166	0.07793	0.132953	0.004	-0.02975
-0.09991	0.03088	-0.53737	2.68E-36	-0.43273	9.83E-23	-0.21402	3.06E-06	-0.46224
0.28948	1.82E-10	-0.05646	0.22333	-0.22239	1.21E-06	0.097148	0.03584	-0.04036
0.234364	3.01E-07	-0.24263	1.10E-07	-0.06991	0.13143	-0.00871	0.85116	-0.33455
0.527204	9.15E-35	0.172611	0.00018	0.162745	0.00041	0.243635	9.74E-08	0.163478
0.36529	3.45E-16	0.112936	0.01461	0.191743	3.03E-05	0.328897	3.05E-13	0.115024
0.727482	4.30E-78	0.543623	2.88E-37	0.519308	1.31E-33	0.287495	2.45E-10	0.2231
-0.15745	0.00064	0.027616	0.55164	0.142351	0.00204	-0.2067	6.68E-06	-0.10669
0.496598	1.89E-30	0.214898	2.78E-06	0.160413	0.0005	0.290269	1.61E-10	0.310511
0.329355	2.81E-13	0.218464	1.88E-06	0.070289	0.12932	0.181698	7.85E-05	0.344745
0.127667	0.00573	0.05311	0.25202	0.067913	0.14282	0.071853	0.121	0.156493
0.334774	1.08E-13	-0.0826	0.07454	-0.02813	0.54424	0.011203	0.8092	-0.12626
0.702996	7.84E-71	0.578227	5.12E-43	0.436998	3.36E-23	0.408372	3.39E-20	0.314282
0.090151	0.05154	-0.28446	3.84E-10	-0.19658	1.88E-05	-0.13496	0.00348	-0.38659
0.386469	4.38E-18	0.347156	1.13E-14	0.224151	9.91E-07	0.151143	0.00105	0.285099
0.437253	3.15E-23	0.061963	0.18131	0.08016	0.08356	0.069838	0.13181	0.007976
0.081675	0.07786	-0.25448	2.45E-08	-0.22474	9.27E-07	-0.11644	0.0118	-0.25988
0.311788	5.49E-12	-0.10987	0.01754	0.06691	0.14883	0.070381	0.12882	-0.08942
0.308766	8.98E-12	0.221965	1.27E-06	0.111591	0.01584	0.138885	0.00263	0.149688
0.683772	1.24E-65	0.41844	3.21E-21	0.501008	4.80E-31	0.297408	5.42E-11	0.278814
0.512031	1.43E-32	0.259678	1.24E-08	0.38316	8.86E-18	0.116717	0.0116	-0.04806
0.478706	4.02E-28	0.218411	1.89E-06	0.188449	4.16E-05	0.132837	0.00403	0.058902
0.435348	5.09E-23	0.245414	7.80E-08	0.363513	4.91E-16	0.236573	2.31E-07	-0.06968
0.401739	1.54E-19	0.181689	7.86E-05	0.319675	1.48E-12	0.114535	0.01326	0.100216
0.328621	3.20E-13	-0.03552	0.44379	0.205104	7.89E-06	0.145485	0.00162	-0.02453
0.458875	1.07E-25	-0.12501	0.00683	0.005301	0.90905	0.126247	0.0063	-0.01415
0.215654	2.56E-06	-0.23174	4.12E-07	-0.17341	0.00017	-0.02548	0.58286	-0.35202
0.305124	1.61E-11	0.047979	0.30083	0.12395	0.00732	0.163094	0.0004	-0.08005

0.434045	7.07E-23	-0.01773	0.70229	-0.02661	0.56621	0.17148	0.0002	-0.00886
0.412079	1.44E-20	-0.08034	0.08287	-0.05821	0.20923	0.120854	0.00894	-0.05417
0.155432	0.00075	-0.19401	2.43E-05	0.083801	0.07041	-0.08857	0.05578	-0.15897
0.080101	0.08378	-0.24901	4.96E-08	-0.24228	1.15E-07	-0.09406	0.04219	-0.21402
0.382215	1.08E-17	-0.04481	0.33397	0.113174	0.0144	0.063287	0.17214	-0.1202
-0.0051	0.91255	-0.40715	4.50E-20	-0.42398	8.48E-22	-0.08722	0.05965	-0.40522
0.322954	8.49E-13	-0.08717	0.05981	-0.14374	0.00185	0.189763	3.67E-05	0.070731
0.070276	0.1294	-0.34047	3.88E-14	-0.22884	5.78E-07	-0.07634	0.09943	-0.26212
0.216737	2.27E-06	0.017096	0.71252	0.081834	0.07728	-0.0583	0.20851	-0.33042
0.22958	5.30E-07	-0.04616	0.31955	-0.01645	0.72293	0.084983	0.06652	-0.04144
-0.02688	0.56232	-0.2337	3.26E-07	-0.27562	1.38E-09	-0.03262	0.48192	-0.1045
0.433533	8.03E-23	-0.04793	0.30136	0.111418	0.016	0.211595	3.98E-06	0.074402
0.254335	2.50E-08	0.111629	0.0158	0.12615	0.00634	0.19391	2.45E-05	0.082571
0.596126	2.86E-46	0.188841	4.01E-05	0.152183	0.00097	0.166082	0.00031	0.048825
0.151407	0.00103	-0.10092	0.02921	-0.08701	0.06026	0.006578	0.88726	-0.1353
0.555479	3.67E-39	0.146269	0.00153	0.02257	0.62661	0.251025	3.83E-08	0.075617
0.559243	8.86E-40	0.171334	0.0002	0.139708	0.00248	0.233083	3.51E-07	0.046713
0.438549	2.26E-23	0.07218	0.11931	-0.04728	0.30794	0.262234	8.78E-09	0.386647
0.261817	9.29E-09	0.012555	0.7867	-0.10926	0.01818	0.321978	1.00E-12	0.118062
0.501485	4.13E-31	0.282818	4.88E-10	0.10183	0.02778	0.268016	4.00E-09	0.189715
-0.13822	0.00276	0.073277	0.11378	-0.01468	0.75171	-0.15707	0.00066	-0.00088
0.158647	0.00058	0.209854	4.79E-06	0.208081	5.78E-06	0.252737	3.07E-08	0.256829
0.682028	3.51E-65	0.376231	3.77E-17	0.319795	1.45E-12	0.362294	6.24E-16	0.202682
0.212928	3.44E-06	0.069089	0.13601	-0.10336	0.0255	-0.07034	0.12907	-0.14839
0.171835	0.00019	-0.24837	5.38E-08	-0.03502	0.45026	-0.07938	0.08661	-0.31969
0.314609	3.45E-12	0.203406	9.41E-06	0.091632	0.04781	0.044573	0.33649	-0.07611
0.526023	1.37E-34	0.202276	1.06E-05	0.163343	0.00039	0.358788	1.24E-15	0.204275
-0.10159	0.02816	-0.10179	0.02784	-0.01607	0.72913	0.003887	0.93324	-0.02398
0.564678	1.10E-40	0.245897	7.35E-08	0.367392	2.27E-16	0.293437	9.99E-11	0.157697
0.226344	7.71E-07	-0.21881	1.81E-06	-0.18306	6.92E-05	0.047804	0.3026	-0.02759
0.430977	1.52E-22	0.084162	0.0692	0.07234	0.11849	0.116512	0.01175	0.054138
0.550853	2.06E-38	0.161428	0.00046	0.300213	3.50E-11	0.122732	0.00793	-0.1097
0.52489	2.01E-34	0.309396	8.11E-12	0.31282	4.64E-12	0.22647	7.60E-07	0.172941
0.085929	0.06354	-0.20798	5.84E-06	-0.14251	0.00202	-0.07894	0.08836	-0.28573
0.335377	9.71E-14	0.064896	0.16147	0.037322	0.42102	0.024469	0.59789	-0.11591
0.258217	1.50E-08	0.131834	0.00432	0.231855	4.06E-07	0.158393	0.00059	0.084973
0.368022	2.00E-16	-0.06464	0.16316	-0.05868	0.20559	0.178216	0.00011	0.083518
0.438594	2.24E-23	0.155035	0.00077	-0.01422	0.75917	0.249565	4.62E-08	0.345017
0.392753	1.13E-18	0.002503	0.95698	-0.02042	0.65978	0.1	0.03072	-0.03245
0.081872	0.07715	-0.06669	0.15015	-0.00377	0.93529	-0.16018	0.00051	-0.30094
0.276633	1.19E-09	-0.15256	0.00094	-0.10994	0.01747	0.059558	0.19888	-0.10032
0.581773	1.20E-43	0.234135	3.10E-07	0.161925	0.00044	0.346554	1.27E-14	0.233362
0.295413	7.38E-11	0.079618	0.08567	0.122878	0.00785	-0.00583	0.90006	-0.05466
0.460676	6.53E-26	0.471304	3.37E-27	0.454084	3.90E-25	0.169113	0.00024	0.168025
-0.17161	0.00019	-0.06131	0.18597	-0.01046	0.82156	0.036661	0.4293	0.186571

0.176195	0.00013	-0.06919	0.13545	-0.24866	5.18E-08	0.076504	0.09868	-0.13849
0.163329	0.00039	-0.12829	0.0055	-0.22789	6.45E-07	0.131282	0.00449	0.000223
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0.553412	7.95E-39	0.467611	9.55E-27	0.45044	1.03E-24	0.345512	1.54E-14	0.242158
0.383367	8.48E-18	0.498202	1.15E-30	0.439995	1.56E-23	0.226688	7.41E-07	0.254096
0.626702	2.52E-52	0.3517	4.82E-15	0.256473	1.89E-08	0.388595	2.78E-18	0.319232
0.211831	3.88E-06	-0.17968	9.45E-05	-0.09959	0.03141	-0.03663	0.42967	-0.30284
0.210545	4.45E-06	0.210569	4.44E-06	0.209661	4.89E-06	0.026183	0.57249	-0.08611
0.263632	7.27E-09	0.142858	0.00197	0.157899	0.00062	0.103217	0.02571	-0.04398
0.496623	1.88E-30	0.310768	6.49E-12	0.382235	1.08E-17	0.229028	5.65E-07	0.047578
0.267431	4.33E-09	0.049316	0.28755	0.063512	0.17062	0.002653	0.9544	-0.15467
0.445922	3.38E-24	0.279555	7.84E-10	0.295494	7.29E-11	0.215531	2.59E-06	0.08449
0.148353	0.0013	0.170534	0.00021	0.139306	0.00255	0.0326	0.48219	0.001497
-0.11657	0.0117	0.171758	0.00019	0.093285	0.04391	0.068592	0.13886	0.103492
0.435483	4.92E-23	0.068534	0.13919	0.078493	0.0902	0.121346	0.00866	-0.04538
0.161364	0.00046	0.058548	0.20662	-0.15233	0.00096	0.098771	0.03285	0.156399
0.541041	7.27E-37	0.362609	5.87E-16	0.198193	1.60E-05	0.362432	6.07E-16	0.36668
0.356438	1.95E-15	-0.07628	0.09966	-0.1065	0.02135	0.150372	0.00112	0.069874
0.058967	0.20338	0.036563	0.43053	0.092384	0.04601	-0.04043	0.38332	-0.13537
0.093149	0.04423	0.240454	1.44E-07	0.2017	1.12E-05	-0.05825	0.20897	-0.09698
0.231134	4.42E-07	0.17884	0.0001	0.05441	0.24059	0.183323	6.75E-05	0.077451
-0.07913	0.08761	-0.31362	4.06E-12	-0.12484	0.00691	0.033467	0.4706	-0.158
0.104087	0.02449	0.299403	3.98E-11	0.167127	0.00029	0.14483	0.0017	0.1487
-0.19144	3.12E-05	0.023053	0.61925	-0.00058	0.98998	-0.10263	0.02657	0.018907
0.09857	0.03321	0.240955	1.36E-07	0.129402	0.0051	0.029936	0.51871	0.057168
-0.20515	7.85E-06	0.063731	0.16915	-0.06974	0.13233	-0.08528	0.06556	0.062497
0.274166	1.69E-09	0.65818	2.63E-59	0.491501	8.98E-30	0.366677	2.62E-16	0.502288
-0.01353	0.77057	0.296399	6.34E-11	0.108624	0.01887	-0.01973	0.67057	0.123826
0.135423	0.00337	0.497547	1.41E-30	0.280974	6.39E-10	0.227929	6.42E-07	0.497816
0.015732	0.73455	0.330112	2.46E-13	0.202839	9.98E-06	-0.00807	0.862	0.189639
0.407421	4.22E-20	0.690574	2.00E-67	0.551729	1.49E-38	0.42505	6.53E-22	0.476999
0.233067	3.52E-07	0.50857	4.37E-32	0.280055	7.30E-10	0.163844	0.00038	0.361886
0.23257	3.73E-07	0.485182	5.99E-29	0.187262	4.66E-05	0.155281	0.00076	0.315011
0.060286	0.19343	-0.45948	9.05E-26	-0.23622	2.41E-07	-0.1631	0.0004	-0.34992
0.31809	1.93E-12	0.643608	5.68E-56	0.407798	3.87E-20	0.222078	1.25E-06	0.341569
-0.2948	8.11E-11	-0.04889	0.29177	-0.0873	0.05941	-0.14434	0.00176	-0.0689
0.12451	0.00706	-0.33158	1.90E-13	-0.02763	0.55139	-0.14084	0.00228	-0.30937
0.04458	0.33642	-0.27496	1.51E-09	-0.04015	0.38663	0.075025	0.1054	-0.00394
0.234001	3.15E-07	0.624626	6.82E-52	0.460561	6.74E-26	0.218281	1.92E-06	0.292685
0.492159	7.36E-30	0.809316	#####	0.631422	2.55E-53	0.391004	1.65E-18	0.537684
0.483192	1.08E-28	0.64284	8.41E-56	0.33449	1.14E-13	0.476768	7.05E-28	0.520077
0.392374	1.22E-18	0.786278	2.75E-99	0.521061	7.29E-34	0.328122	3.49E-13	0.476933
0.301088	3.05E-11	0.488121	2.49E-29	0.171957	0.00019	0.283709	4.28E-10	0.284103
0.459869	8.15E-26	0.704949	2.20E-71	0.4225	1.21E-21	0.283497	4.42E-10	0.517828
0.359527	1.07E-15	0.561886	3.23E-40	0.307871	1.04E-11	0.193959	2.44E-05	0.524072

0.223299	1.09E-06	0.340569	3.81E-14	0.204997	7.98E-06	0.15456	0.0008	0.238791
0.04056	0.38184	0.226989	7.16E-07	0.027983	0.54637	0.113181	0.0144	0.324277
0.35375	3.26E-15	0.567231	4.08E-41	0.233163	3.48E-07	0.39726	4.18E-19	0.45111
0.021159	0.64833	0.26566	5.52E-09	0.088806	0.05514	-0.00609	0.89561	-0.00902
0.039652	0.3926	0.339298	4.79E-14	0.205341	7.70E-06	0.078056	0.09202	0.255614
0.170471	0.00021	0.456694	1.93E-25	0.308207	9.83E-12	0.1281	0.00557	0.154542
0.170262	0.00022	0.592481	1.37E-45	0.382229	1.08E-17	0.210697	4.38E-06	0.361141
-0.20808	5.78E-06	0.169509	0.00023	0.091709	0.04762	-0.03953	0.39408	0.045512
0.04857	0.29491	0.24275	1.09E-07	0.067273	0.14663	0.037173	0.42287	0.110216
0.521756	5.78E-34	0.550936	1.99E-38	0.29658	6.17E-11	0.386253	4.59E-18	0.518688
0.240286	1.47E-07	0.489772	1.52E-29	0.314486	3.52E-12	0.167747	0.00027	0.331379
0.313692	4.02E-12	0.660195	8.81E-60	0.391259	1.56E-18	0.304657	1.74E-11	0.488848
-0.1011	0.02892	0.181793	7.78E-05	0.013398	0.77276	0.014965	0.74704	0.044539
0.238892	1.75E-07	0.54384	2.66E-37	0.41052	2.07E-20	0.124955	0.00686	0.274073
-0.08223	0.07584	0.118219	0.01056	-0.0085	0.85463	-0.06987	0.13165	0.073216
0.387244	3.71E-18	0.735441	1.26E-80	0.590832	2.75E-45	0.300762	3.21E-11	0.487506
0.047505	0.30564	0.231904	4.04E-07	0.018612	0.6883	0.083456	0.07158	0.225879
0.015939	0.73119	0.245924	7.32E-08	-0.03227	0.48663	0.159945	0.00052	0.321279
0.281323	6.07E-10	0.346719	1.23E-14	0.240736	1.39E-07	0.227274	6.93E-07	0.257738
0.340594	3.79E-14	0.637961	9.95E-55	0.355131	2.51E-15	0.403711	9.84E-20	0.561793
0.39176	1.40E-18	0.746963	1.84E-84	0.438414	2.34E-23	0.366892	2.51E-16	0.567945
0.411796	1.53E-20	0.562071	3.01E-40	0.349764	6.95E-15	0.388301	2.96E-18	0.381378
0.298586	4.52E-11	0.531149	2.36E-35	0.236685	2.28E-07	0.179349	9.74E-05	0.328584
0.010863	0.81488	0.411759	1.55E-20	0.251971	3.39E-08	0.161694	0.00045	0.366736
0.04141	0.37193	0.518872	1.51E-33	0.245435	7.78E-08	0.125568	0.00659	0.352548
0.082428	0.07515	0.553625	7.34E-39	0.306818	1.23E-11	0.143426	0.00189	0.328926
-0.12559	0.00658	0.098481	0.03336	0.006606	0.88678	-0.06655	0.15104	0.044251
0.290023	1.68E-10	0.668883	7.10E-62	0.446104	3.22E-24	0.405038	7.28E-20	0.541056
-0.03997	0.38881	-0.34642	1.30E-14	-0.1321	0.00424	-0.08057	0.082	-0.23649
0.472418	2.46E-27	0.726138	1.13E-77	0.582372	9.42E-44	0.330879	2.15E-13	0.53849
0.62791	1.41E-52	0.648059	5.69E-57	0.407693	3.97E-20	0.389957	2.07E-18	0.419447
0.249431	4.70E-08	0.563318	1.86E-40	0.391738	1.41E-18	0.245237	7.98E-08	0.276546
0.380142	1.67E-17	0.432311	1.09E-22	0.355725	2.24E-15	0.184413	6.10E-05	0.207047
0.272601	2.11E-09	0.546021	1.21E-37	0.479732	2.98E-28	0.209055	5.21E-06	0.273729
-0.1838	6.46E-05	0.148389	0.0013	-0.07672	0.09776	-0.09356	0.0433	0.034511
0.371835	9.26E-17	0.67518	1.94E-63	0.52079	7.99E-34	0.324218	6.84E-13	0.394759
0.386337	4.51E-18	0.646709	1.15E-56	0.642915	8.10E-56	0.3257	5.30E-13	0.429869
0.024414	0.59871	0.355972	2.13E-15	0.211582	3.98E-06	0.042061	0.36446	0.129599
-0.00817	0.8602	0.22273	1.16E-06	0.001415	0.97567	0.028901	0.53328	-0.01485
-0.10865	0.01884	-0.33703	7.22E-14	-0.05852	0.20687	-0.18391	6.39E-05	-0.2787
0.047703	0.30362	0.228982	5.68E-07	0.161818	0.00045	0.049171	0.28897	0.317256
-0.03362	0.46859	0.141333	0.0022	0.105796	0.02222	0.068822	0.13754	0.066537
0.633247	1.04E-53	0.655983	8.61E-59	0.426585	4.49E-22	0.427399	3.68E-22	0.412143
-0.05032	0.27782	-0.41975	2.35E-21	-0.21434	2.95E-06	-0.07107	0.12512	-0.13688
0.558871	1.02E-39	0.757919	2.63E-88	0.523029	3.77E-34	0.422932	1.09E-21	0.668609



0.220333	1.53E-06	0.449756	1.23E-24	0.281464	5.95E-10	0.292514	1.15E-10	0.274793
0.134577	0.00357	0.310703	6.56E-12	0.215544	2.59E-06	0.194834	2.24E-05	0.329768
0.410844	1.92E-20	0.738011	1.83E-81	0.673017	6.76E-63	0.347806	1.00E-14	0.520175
0.492958	5.77E-30	0.672317	1.01E-62	0.368968	1.65E-16	0.491205	9.83E-30	0.503809
0.564145	1.35E-40	0.785747	4.58E-99	0.518667	1.62E-33	0.411504	1.64E-20	0.574383
0.244821	8.41E-08	0.496479	1.96E-30	0.193267	2.61E-05	0.36177	6.92E-16	0.393362
0.432299	1.09E-22	0.558878	1.02E-39	0.214949	2.77E-06	0.365348	3.41E-16	0.375494
0.502178	3.33E-31	0.589422	4.99E-45	0.34766	1.03E-14	0.257137	1.73E-08	0.416476
0.243324	1.01E-07	0.611805	2.72E-49	0.475845	9.20E-28	0.325294	5.69E-13	0.453673
0.2913	1.38E-10	0.585681	2.39E-44	0.452673	5.69E-25	0.238132	1.92E-07	0.357203
0.420306	2.05E-21	0.645803	1.84E-56	0.318733	1.74E-12	0.321492	1.09E-12	0.412658
0.462839	3.60E-26	0.667676	1.40E-61	0.320017	1.40E-12	0.428944	2.51E-22	0.567947
0.329725	2.64E-13	0.447512	2.23E-24	0.122527	0.00803	0.315996	2.74E-12	0.30474
-0.09347	0.0435	0.297466	5.38E-11	0.086651	0.06134	0.332177	1.71E-13	0.185264
0.038159	0.41067	0.383881	7.60E-18	0.179213	9.86E-05	0.150464	0.00111	0.323497
-0.09382	0.04272	0.238942	1.74E-07	0.052413	0.25831	-0.01605	0.72942	0.109557
-0.18943	3.79E-05	0.161594	0.00046	-0.06145	0.18498	-0.06424	0.16574	0.079584
0.553303	8.28E-39	0.837402	#####	0.560541	5.40E-40	0.438934	2.05E-23	0.557374
0.078662	0.08951	0.426058	5.11E-22	0.126491	0.0062	0.191159	3.21E-05	0.225036
0.302189	2.57E-11	0.56584	7.01E-41	0.344288	1.93E-14	0.368083	1.98E-16	0.425087
0.589951	4.00E-45	0.668395	9.35E-62	0.429339	2.28E-22	0.424251	7.93E-22	0.433957
0.165839	0.00032	0.276022	1.30E-09	-0.03405	0.46294	0.127329	0.00586	0.050006
0.616089	3.79E-50	0.615199	5.72E-50	0.505345	1.22E-31	0.37608	3.88E-17	0.376888
0.100969	0.02913	0.312809	4.64E-12	0.132279	0.00419	-0.02314	0.61796	0.040439
0.234227	3.06E-07	0.601963	2.24E-47	0.282278	5.28E-10	0.223598	1.06E-06	0.469777
0.519652	1.17E-33	0.606997	2.39E-48	0.346522	1.27E-14	0.426611	4.46E-22	0.479484
0.317955	1.98E-12	0.622201	2.16E-51	0.253629	2.74E-08	0.394993	6.90E-19	0.592622
0.292944	1.08E-10	0.440954	1.22E-23	0.289259	1.88E-10	0.13916	0.00258	0.232494
0.293805	9.44E-11	0.64224	1.14E-55	0.444812	4.51E-24	0.213976	3.07E-06	0.412278
0.384651	6.46E-18	0.54434	2.22E-37	0.165746	0.00032	0.365546	3.28E-16	0.460783
0.085538	0.06476	0.332553	1.60E-13	0.192781	2.74E-05	0.135191	0.00342	0.231259
0.0975	0.03517	0.359921	9.93E-16	0.224949	9.05E-07	0.193798	2.48E-05	0.215156
0.088266	0.05664	0.28714	2.58E-10	0.27285	2.04E-09	-0.04453	0.33693	-0.06494
0.513989	7.56E-33	0.730106	6.43E-79	0.55469	4.93E-39	0.487193	3.29E-29	0.618489
0.207113	6.40E-06	0.462418	4.05E-26	0.128297	0.00549	0.165462	0.00033	0.293516
0.037053	0.42438	0.308473	9.41E-12	0.111935	0.01552	0.04587	0.3226	0.131609
0.222389	1.21E-06	0.479905	2.83E-28	0.078511	0.09013	0.195095	2.18E-05	0.332091
0.487126	3.36E-29	0.655299	1.24E-58	0.59309	1.05E-45	0.306479	1.30E-11	0.41489
0.253799	2.68E-08	0.296365	6.37E-11	0.303679	2.03E-11	0.133576	0.00383	0.103739
0.027699	0.55044	0.213274	3.32E-06	0.025228	0.58657	0.022867	0.62209	0.046691
0.345599	1.51E-14	0.651003	1.22E-57	0.481809	1.62E-28	0.342935	2.47E-14	0.43031
0.192431	2.83E-05	0.396187	5.30E-19	0.024324	0.60005	0.19532	2.13E-05	0.35143
0.183723	6.51E-05	0.559133	9.23E-40	0.289719	1.75E-10	0.171716	0.00019	0.265883
0.271001	2.64E-09	0.286977	2.64E-10	0.287529	2.43E-10	0.084031	0.06964	0.077224
-0.0883	0.05654	0.270957	2.66E-09	0.133431	0.00387	0.037704	0.41628	0.098811

0.39261	1.16E-18	0.535848	4.58E-36	0.29187	1.27E-10	0.251904	3.42E-08	0.372775
0.062275	0.17912	0.329978	2.52E-13	-0.04392	0.34357	0.289457	1.82E-10	0.354375
0.485424	5.57E-29	0.651399	9.88E-58	0.43812	2.52E-23	0.328621	3.20E-13	0.370538
0.205501	7.57E-06	0.402183	1.39E-19	0.233251	3.44E-07	0.216018	2.46E-06	0.447907
0.501565	4.03E-31	0.825924	#####	0.710978	4.08E-73	0.406288	5.47E-20	0.614087
0.234695	2.90E-07	0.719318	1.38E-75	0.47811	4.78E-28	0.325992	5.04E-13	0.524987
0.455425	2.72E-25	0.742444	6.22E-83	0.505748	1.08E-31	0.40395	9.32E-20	0.539554
0.278542	9.08E-10	0.606717	2.71E-48	0.495505	2.65E-30	0.215392	2.63E-06	0.275143
0.195774	2.04E-05	0.351178	5.32E-15	0.15228	0.00096	0.07704	0.09634	0.114501
0.263047	7.87E-09	0.321453	1.10E-12	0.286958	2.65E-10	0.076806	0.09736	0.186151
0.137751	0.00285	0.473698	1.70E-27	0.137354	0.00294	0.232232	3.88E-07	0.32061
0.25537	2.18E-08	0.669448	5.16E-62	0.527158	9.29E-35	0.286432	2.87E-10	0.441205
-0.01502	0.74608	0.497129	1.60E-30	0.214959	2.76E-06	0.127944	0.00562	0.246992
0.233031	3.53E-07	0.475647	9.74E-28	0.226391	7.67E-07	0.279864	7.50E-10	0.350868
0.328525	3.25E-13	0.445999	3.31E-24	0.138559	0.00269	0.232724	3.66E-07	0.324144
0.37112	1.07E-16	0.482535	1.31E-28	0.184215	6.21E-05	0.287042	2.62E-10	0.481641
0.00655	0.88774	0.279661	7.73E-10	0.000449	0.99229	0.069735	0.13238	0.273639
0.260497	1.11E-08	0.548695	4.55E-38	0.479407	3.28E-28	0.115468	0.01253	0.238317
-0.13932	0.00255	-0.54537	1.53E-37	-0.32531	5.67E-13	-0.15751	0.00064	-0.28959
0.526262	1.26E-34	0.575538	1.52E-42	0.317494	2.14E-12	0.3366	7.80E-14	0.342228
0.279157	8.31E-10	0.49368	4.63E-30	0.150913	0.00107	0.227548	6.71E-07	0.454281
0.418238	3.37E-21	0.50007	6.43E-31	0.244952	8.27E-08	0.229612	5.28E-07	0.276978
0.373409	6.72E-17	0.735362	1.34E-80	0.498773	9.64E-31	0.314077	3.77E-12	0.569298
0.345216	1.62E-14	0.640879	2.28E-55	0.41192	1.49E-20	0.339223	4.86E-14	0.431549
0.527596	8.00E-35	0.779088	2.39E-96	0.566173	6.16E-41	0.388445	2.87E-18	0.508563
0.26985	3.10E-09	0.720534	5.93E-76	0.415791	6.01E-21	0.32958	2.70E-13	0.595148
0.458281	1.26E-25	0.729386	1.08E-78	0.495005	3.08E-30	0.266828	4.70E-09	0.383384
-0.09569	0.03872	0.169546	0.00023	0.171939	0.00019	-0.14462	0.00173	0.051636
0.398323	3.30E-19	0.569073	1.98E-41	0.479686	3.02E-28	0.301118	3.04E-11	0.370656
0.08531	0.06548	0.337498	6.64E-14	0.211822	3.88E-06	0.173472	0.00017	0.239637
0.53778	2.32E-36	0.68418	9.70E-66	0.388149	3.06E-18	0.411916	1.49E-20	0.499539
0.304079	1.90E-11	0.649041	3.41E-57	0.389544	2.26E-18	0.280667	6.68E-10	0.41075
0.367407	2.26E-16	0.487608	2.90E-29	0.167597	0.00027	0.314771	3.36E-12	0.450353
0.315322	3.07E-12	0.384225	7.07E-18	0.130333	0.00479	0.151386	0.00103	0.230418
0.265226	5.86E-09	0.610345	5.28E-49	0.302115	2.60E-11	0.327742	3.72E-13	0.548896
0.511678	1.60E-32	0.657648	3.51E-59	0.3661	2.94E-16	0.447026	2.53E-24	0.51681
0.486568	3.96E-29	0.642362	1.07E-55	0.352226	4.36E-15	0.366623	2.65E-16	0.503748
0.275348	1.43E-09	0.590666	2.95E-45	0.233778	3.23E-07	0.286557	2.81E-10	0.416454
0.255285	2.21E-08	0.551868	1.41E-38	0.330897	2.15E-13	0.14307	0.00194	0.171962
0.38201	1.13E-17	0.711606	2.68E-73	0.532316	1.57E-35	0.295182	7.65E-11	0.56914
0.125187	0.00675	0.314285	3.64E-12	0.231715	4.13E-07	-0.02453	0.59693	0.004113
-0.03982	0.39058	0.224276	9.77E-07	0.186222	5.14E-05	0.085975	0.0634	0.301611
0.372805	7.60E-17	0.767377	8.57E-92	0.556714	2.31E-39	0.283332	4.53E-10	0.457278
0.588252	8.17E-45	0.739921	4.30E-82	0.496061	2.23E-30	0.427901	3.25E-22	0.480715
0.360277	9.26E-16	0.617813	1.70E-50	0.337606	6.51E-14	0.352596	4.07E-15	0.489936

0.357676	1.54E-15	0.609516	7.69E-49	0.357927	1.46E-15	0.233628	3.29E-07	0.340929
0.048978	0.29087	0.345152	1.64E-14	0.20788	5.90E-06	0.211479	4.02E-06	0.262215
-0.10479	0.02353	0.188432	4.17E-05	-0.07217	0.11936	0.069824	0.13189	0.078611
0.010583	0.81958	0.310596	6.67E-12	0.19877	1.51E-05	-0.01724	0.71025	0.166905
0.435426	4.99E-23	0.648801	3.87E-57	0.512944	1.06E-32	0.204402	8.49E-06	0.326457
-0.01649	0.72229	0.151208	0.00105	0.092782	0.04507	-0.09207	0.04675	0.01575
0.598284	1.12E-46	0.710702	4.91E-73	0.351748	4.78E-15	0.496822	1.76E-30	0.589566
0.031374	0.49882	0.318842	1.70E-12	0.131366	0.00446	0.071444	0.12313	0.371907
0.466765	1.21E-26	0.623707	1.06E-51	0.39796	3.58E-19	0.394625	7.48E-19	0.499587
0.586162	1.96E-44	0.863722	#####	0.599303	7.20E-47	0.477337	5.98E-28	0.578335
0.408833	3.05E-20	0.789248	#####	0.526807	1.05E-34	0.399162	2.74E-19	0.541398
0.389268	2.40E-18	0.614724	7.12E-50	0.363189	5.23E-16	0.362669	5.80E-16	0.623018
0.11885	0.01015	0.281776	5.68E-10	0.10944	0.01799	0.063964	0.16759	0.153104
-0.07954	0.08598	0.308023	1.01E-11	0.102548	0.02669	-0.01027	0.82487	0.070994
0.340082	4.16E-14	0.673847	4.20E-63	0.420566	1.93E-21	0.335144	1.01E-13	0.536138
0.088884	0.05493	0.409837	2.42E-20	0.021274	0.64656	0.234151	3.09E-07	0.422099
0.359558	1.07E-15	0.534137	8.35E-36	0.44945	1.34E-24	0.253433	2.81E-08	0.424272
0.19421	2.38E-05	0.490832	1.10E-29	0.182651	7.19E-05	0.281573	5.85E-10	0.380217
0.201741	1.12E-05	0.374819	5.04E-17	0.329345	2.82E-13	0.107042	0.02069	0.098746
0.356009	2.12E-15	0.733008	7.66E-80	0.437149	3.23E-23	0.389706	2.19E-18	0.64653
0.04912	0.28947	0.181108	8.29E-05	0.146585	0.00149	0.067426	0.14571	0.096811
0.710306	6.40E-73	0.791181	#####	0.557923	1.46E-39	0.531287	2.25E-35	0.654356
0.396152	5.34E-19	0.673125	6.35E-63	0.395939	5.60E-19	0.32271	8.85E-13	0.473252
0.294754	8.17E-11	0.421536	1.53E-21	0.08345	0.0716	0.241081	1.34E-07	0.307883
0.309935	7.43E-12	0.383058	9.05E-18	0.205019	7.96E-06	0.177876	0.00011	0.210198
0.041626	0.36944	0.35087	5.64E-15	0.148056	0.00133	0.022419	0.62892	0.133698
0.415598	6.30E-21	0.56677	4.88E-41	0.467513	9.82E-27	0.299385	3.99E-11	0.494476
0.268135	3.93E-09	0.302073	2.62E-11	0.234839	2.85E-07	0.032513	0.48336	0.065173
0.122038	0.00829	0.307517	1.10E-11	0.196395	1.92E-05	0.081938	0.07691	0.304454
0.36316	5.26E-16	0.652456	5.65E-58	0.582623	8.49E-44	0.257436	1.66E-08	0.368151
0.167874	0.00027	0.455568	2.62E-25	0.265051	6.00E-09	0.163567	0.00039	0.335015
0.442157	8.98E-24	0.592672	1.26E-45	0.404557	8.12E-20	0.304944	1.66E-11	0.421689
0.171066	0.0002	0.417406	4.10E-21	0.18796	4.36E-05	0.143728	0.00185	0.177719
0.456319	2.14E-25	0.682995	1.97E-65	0.421194	1.66E-21	0.394477	7.73E-19	0.515589
0.115017	0.01288	0.348563	8.70E-15	0.07412	0.10968	0.152008	0.00098	0.162319
0.615077	6.05E-50	0.760511	3.03E-89	0.566461	5.50E-41	0.536874	3.19E-36	0.571108
0.214984	2.75E-06	0.418958	2.84E-21	0.104332	0.02415	0.179026	0.0001	0.254798
0.287342	2.50E-10	0.603079	1.37E-47	0.33533	9.79E-14	0.277083	1.12E-09	0.39427
0.375474	4.40E-17	0.590238	3.54E-45	0.466289	1.38E-26	0.35845	1.32E-15	0.30256
0.065138	0.15991	0.122224	0.00819	-0.07418	0.10936	-0.02696	0.56121	-0.02432
0.209245	5.11E-06	0.489438	1.68E-29	0.221119	1.40E-06	0.303578	2.06E-11	0.514586
0.20135	1.16E-05	0.431337	1.39E-22	0.081966	0.07681	0.30892	8.76E-12	0.485318
0.137837	0.00284	0.247206	6.23E-08	0.113963	0.01373	0.057983	0.21103	0.071949
0.123863	0.00737	0.477	6.59E-28	0.320541	1.28E-12	0.140422	0.00235	0.26471
0.180125	9.07E-05	0.433618	7.86E-23	0.245658	7.57E-08	0.253711	2.71E-08	0.294758

0.403141	1.12E-19	0.691802	9.36E-68	0.374897	4.96E-17	0.354224	2.98E-15	0.525325
0.271469	2.47E-09	0.396489	4.96E-19	0.273407	1.89E-09	0.122531	0.00803	0.177295
0.279306	8.13E-10	0.58793	9.35E-45	0.36632	2.81E-16	0.088455	0.05611	0.281954
-0.16001	0.00052	0.19503	2.19E-05	0.120733	0.00901	-0.05278	0.25496	0.048228
0.389292	2.39E-18	0.746723	2.22E-84	0.498792	9.58E-31	0.398299	3.32E-19	0.49429
-0.01658	0.72077	0.278001	9.81E-10	0.185889	5.31E-05	0.138302	0.00274	0.358609
0.518144	1.93E-33	0.704243	3.49E-71	0.620745	4.30E-51	0.368347	1.87E-16	0.461457
0.518179	1.90E-33	0.682228	3.11E-65	0.385927	4.92E-18	0.332788	1.54E-13	0.457671
0.371119	1.07E-16	0.703911	4.33E-71	0.614164	9.22E-50	0.353348	3.52E-15	0.544564
0.204883	8.08E-06	0.291905	1.26E-10	0.026371	0.56972	0.155028	0.00078	0.175634
0.405291	6.87E-20	0.725394	1.92E-77	0.581589	1.30E-43	0.357532	1.58E-15	0.502463
0.364775	3.82E-16	0.663831	1.19E-60	0.390704	1.76E-18	0.399127	2.76E-19	0.51603
0.211418	4.05E-06	0.466186	1.42E-26	0.132504	0.00413	0.243087	1.04E-07	0.331331
0.031845	0.49239	-0.31516	3.15E-12	-0.10021	0.03037	0.010119	0.82736	-0.07579
-0.05975	0.19742	0.26021	1.15E-08	0.247795	5.78E-08	-0.06431	0.16528	-0.0167
0.288017	2.26E-10	0.412415	1.33E-20	0.120974	0.00887	0.244114	9.18E-08	0.328257
0.277378	1.07E-09	0.5555	3.64E-39	0.411533	1.63E-20	0.250905	3.89E-08	0.329377
0.373695	6.34E-17	0.724129	4.72E-77	0.495596	2.57E-30	0.41587	5.90E-21	0.520494
0.328639	3.19E-13	0.615639	4.67E-50	0.300279	3.47E-11	0.299935	3.66E-11	0.358777
0.3396	4.54E-14	0.52392	2.79E-34	0.18619	5.16E-05	0.300708	3.24E-11	0.362656
0.351078	5.42E-15	0.622424	1.95E-51	0.48415	8.13E-29	0.299354	4.01E-11	0.445883
0.371854	9.23E-17	0.566305	5.85E-41	0.296057	6.68E-11	0.283638	4.33E-10	0.442931
0.407984	3.71E-20	0.823861	#####	0.599285	7.26E-47	0.395464	6.22E-19	0.48411
0.547791	6.33E-38	0.796565	#####	0.638874	6.29E-55	0.313994	3.82E-12	0.501771
0.567795	3.27E-41	0.597986	1.28E-46	0.393554	9.46E-19	0.348452	8.88E-15	0.470082
0.042028	0.36483	0.464589	2.22E-26	0.223595	1.06E-06	0.18684	4.85E-05	0.311865
0.457011	1.77E-25	0.73094	3.50E-79	0.493919	4.30E-30	0.419143	2.71E-21	0.60802
0.258645	1.42E-08	0.646086	1.59E-56	0.323442	7.81E-13	0.302307	2.52E-11	0.470001
0.063688	0.16943	0.470881	3.80E-27	0.216734	2.27E-06	0.183922	6.39E-05	0.349045
0.467345	1.03E-26	0.631714	2.21E-53	0.476822	6.94E-28	0.359852	1.01E-15	0.404269
0.388869	2.62E-18	0.51579	4.19E-33	0.259926	1.20E-08	0.349386	7.46E-15	0.488844
0.572211	5.73E-42	0.705639	1.40E-71	0.510158	2.62E-32	0.452005	6.80E-25	0.580661
0.232182	3.90E-07	0.527369	8.65E-35	0.435915	4.41E-23	0.173308	0.00017	0.274711
0.042969	0.35418	0.255607	2.12E-08	-0.12018	0.00934	0.251167	3.76E-08	0.361948
0.337822	6.26E-14	0.475249	1.09E-27	0.271215	2.56E-09	0.285937	3.08E-10	0.364737
0.27193	2.32E-09	0.426866	4.19E-22	0.304176	1.87E-11	0.190987	3.26E-05	0.12059
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0.173305	0.00017	0.352597	4.07E-15	0.208318	5.64E-06	0.125336	0.00669	0.038236
0.506383	8.79E-32	0.769402	1.46E-92	0.594218	6.50E-46	0.472401	2.47E-27	0.603136
0.175233	0.00014	0.496607	1.88E-30	0.381502	1.26E-17	0.171852	0.00019	0.246564
0.020685	0.6557	0.256844	1.80E-08	0.089841	0.05236	0.0713	0.12389	0.198953
0.393153	1.03E-18	0.545937	1.25E-37	0.345021	1.68E-14	0.362548	5.94E-16	0.482577
0.373385	6.76E-17	0.542258	4.70E-37	0.367565	2.19E-16	0.226263	7.78E-07	0.335808
0.653816	2.74E-58	0.781921	1.71E-97	0.526826	1.04E-34	0.477141	6.33E-28	0.572848
0.165853	0.00032	0.368076	1.98E-16	0.306891	1.21E-11	0.089673	0.0528	0.078748

0.227476	6.77E-07	0.414162	8.83E-21	0.091753	0.04752	0.169373	0.00024	0.227647
0.295679	7.08E-11	0.604883	6.15E-48	0.394382	7.89E-19	0.229208	5.54E-07	0.311946
0.215484	2.61E-06	0.483343	1.03E-28	0.381619	1.23E-17	0.28536	3.36E-10	0.40393
0.343028	2.43E-14	0.47223	2.59E-27	0.375401	4.47E-17	0.235529	2.62E-07	0.26143
0.579147	3.52E-43	0.724165	4.60E-77	0.612468	2.01E-49	0.382701	9.76E-18	0.425786
0.426817	4.24E-22	0.655243	1.28E-58	0.537315	2.73E-36	0.311992	5.31E-12	0.367472
0.130452	0.00475	0.390925	1.68E-18	0.272424	2.16E-09	0.244927	8.29E-08	0.374134
0.231506	4.23E-07	0.379206	2.03E-17	0.214123	3.03E-06	0.184457	6.07E-05	0.308688
0.252668	3.10E-08	0.413401	1.06E-20	0.294693	8.24E-11	0.033409	0.47138	0.092147
0.124055	0.00727	0.469318	5.91E-27	0.292819	1.10E-10	0.143368	0.0019	0.281385
0.282587	5.05E-10	0.495048	3.04E-30	0.286251	2.94E-10	0.277252	1.09E-09	0.458928
0.317254	2.22E-12	0.710319	6.34E-73	0.479506	3.18E-28	0.351733	4.79E-15	0.456171
0.248962	4.99E-08	0.63763	1.18E-54	0.477285	6.07E-28	0.27107	2.62E-09	0.403777
0.170186	0.00022	0.471315	3.36E-27	0.323963	7.15E-13	0.097118	0.0359	0.167471
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0.18849	4.15E-05	0.439094	1.97E-23	0.206501	6.82E-06	0.485848	4.91E-29	0.314871
0.005379	0.90771	0.217773	2.03E-06	0.146782	0.00147	0.009502	0.83773	0.150313
0.331547	1.91E-13	0.503234	2.38E-31	0.35545	2.36E-15	0.233479	3.35E-07	0.32414
0.519014	1.44E-33	0.768015	4.92E-92	0.445491	3.78E-24	0.398871	2.92E-19	0.526107
0.312474	4.91E-12	0.510407	2.42E-32	0.541922	5.31E-37	0.188772	4.04E-05	0.286529
0.568029	2.98E-41	0.635403	3.57E-54	0.545027	1.73E-37	0.366049	2.97E-16	0.461559
0.571655	7.15E-42	0.72389	5.59E-77	0.503148	2.45E-31	0.425382	6.02E-22	0.616522
0.387866	3.25E-18	0.529355	4.38E-35	0.42905	2.45E-22	0.345838	1.45E-14	0.36615
0.188119	4.30E-05	0.32773	3.73E-13	0.138103	0.00278	0.180843	8.49E-05	0.230844
0.294188	8.91E-11	0.474553	1.33E-27	0.281788	5.67E-10	0.105996	0.02197	0.197021
0.323606	7.60E-13	0.519605	1.19E-33	0.357514	1.58E-15	0.199518	1.40E-05	0.346279
0.510586	2.28E-32	0.696653	4.52E-69	0.619557	7.52E-51	0.406488	5.23E-20	0.45774
0.021156	0.64839	0.214858	2.79E-06	0.05464	0.2386	0.038292	0.40905	0.079031
0.473284	1.92E-27	0.645732	1.90E-56	0.429016	2.47E-22	0.364283	4.22E-16	0.546471
0.510794	2.13E-32	0.63706	1.56E-54	0.6005	4.27E-47	0.234548	2.95E-07	0.288113
0.34757	1.05E-14	0.383601	8.07E-18	0.248628	5.20E-08	0.148905	0.00125	0.197042
0.08293	0.07339	0.361913	6.73E-16	0.185152	5.69E-05	0.101905	0.02766	0.165114
0.002136	0.96329	0.185273	5.63E-05	-0.05271	0.25564	-0.02086	0.65298	0.027587
0.394691	7.37E-19	0.713768	6.23E-74	0.572221	5.71E-42	0.394843	7.13E-19	0.512851
0.135208	0.00342	0.366489	2.72E-16	0.225816	8.19E-07	0.113978	0.01372	0.217424
0.124543	0.00705	0.479905	2.83E-28	0.254177	2.55E-08	0.201236	1.18E-05	0.49137
0.361762	6.93E-16	0.503379	2.28E-31	0.335832	8.95E-14	0.156255	0.0007	0.378805
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0.328045	3.53E-13	0.580355	2.15E-43	0.330274	2.39E-13	0.368081	1.98E-16	0.380139
0.235395	2.66E-07	0.389894	2.10E-18	0.221828	1.29E-06	0.138108	0.00278	0.239846
0.636913	1.68E-54	0.663952	1.12E-60	0.450412	1.04E-24	0.415861	5.92E-21	0.526605
0.272549	2.13E-09	0.260642	1.09E-08	0.184969	5.79E-05	0.153427	0.00088	0.167336
0.463199	3.26E-26	0.740051	3.89E-82	0.381212	1.34E-17	0.366353	2.79E-16	0.51134
0.419165	2.70E-21	0.663877	1.16E-60	0.504511	1.59E-31	0.266882	4.67E-09	0.400759
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0.019714	0.67089	0.094616	0.04098	0.078801	0.08894	-0.01889	0.68382	0.075617
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0.123525	0.00753	0.099016	0.03241	0.114676	0.01315	0.024932	0.59098	-0.13034
0.08151	0.07847	-0.16892	0.00025	-0.18831	4.22E-05	-0.07916	0.08749	-0.20899
0.133714	0.00379	0.041662	0.36902	0.069651	0.13285	-0.01369	0.768	-0.1761
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0.105188	0.023	0.017474	0.70644	0.109116	0.01834	-0.02602	0.57484	-0.12277
0.051634	0.26546	0.147705	0.00137	0.13945	0.00253	0.056579	0.22232	0.021866
0.122972	0.0078	-0.18044	8.82E-05	-0.13589	0.00326	-0.01619	0.72719	-0.1741
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0.080008	0.08414	0.129945	0.00492	0.107016	0.02072	0.127382	0.00584	0.130441
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0.097256	0.03563	0.032628	0.48181	-0.02122	0.64743	-0.0101	0.82763	-0.08025
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0.070243	0.12958	0.079145	0.08756	0.168203	0.00026	-0.11384	0.01384	-0.21653
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0.177764	0.00011	0.063135	0.17318	0.050152	0.27944	0.0558	0.22876	0.011434
0.207515	6.13E-06	0.064085	0.16679	0.014649	0.75221	0.053982	0.24431	0.252585
0.099229	0.03204	0.062498	0.17756	0.083958	0.06988	0.061837	0.1822	0.064468
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0.244515	8.73E-08	0.306959	1.20E-11	0.358134	1.41E-15	0.11396	0.01373	0.205952
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0.201036	1.20E-05	0.122478	0.00806	0.174979	0.00014	0.322827	8.68E-13	0.238182
0.04725	0.30825	0.047343	0.30729	0.10689	0.02087	0.043876	0.34411	0.023812
-0.0219	0.63695	-0.13983	0.00246	-0.14515	0.00166	-0.01645	0.72294	-0.15511
0.212426	3.64E-06	0.128824	0.0053	0.126317	0.00627	0.141476	0.00218	0.070034
0.320146	1.37E-12	0.249455	4.68E-08	0.323761	7.40E-13	0.14501	0.00168	0.031984
0.267791	4.12E-09	0.321284	1.13E-12	0.336865	7.44E-14	0.207927	5.87E-06	0.176084
0.203229	9.58E-06	0.238979	1.73E-07	0.247275	6.18E-08	0.073859	0.11094	0.031468
-0.05624	0.22514	0.074605	0.10737	0.030985	0.50416	-0.02527	0.58595	-0.01748
-0.35481	2.67E-15	-0.26645	4.95E-09	-0.25521	2.23E-08	-0.28333	4.53E-10	-0.33797
-0.04298	0.35401	-0.02602	0.57488	0.003113	0.9465	-0.10602	0.02194	-0.06
0.000768	0.9868	0.084601	0.06776	0.12977	0.00497	-0.04812	0.29945	0.002672
-0.12483	0.00691	-0.10747	0.02018	-0.18383	6.44E-05	-0.06536	0.15851	-0.13356
0.091872	0.04723	0.030027	0.51743	0.017421	0.7073	0.073168	0.11432	0.018173
0.050351	0.27754	0.085005	0.06645	0.066789	0.14957	0.047672	0.30394	0.033549
0.020403	0.6601	-0.01232	0.79062	-0.02046	0.65927	0.025204	0.58693	-0.05396

0.142124	0.00208	0.061723	0.18301	0.02052	0.65827	0.093248	0.044	0.116543
0.072737	0.11648	0.030286	0.51384	0.092678	0.04531	-0.07024	0.12962	-0.12268
0.125708	0.00653	0.216405	2.36E-06	0.246522	6.79E-08	0.068036	0.14209	0.161178
-0.14803	0.00134	-0.09887	0.03267	-0.18497	5.79E-05	-0.08621	0.06268	-0.14654
0.020546	0.65786	0.020599	0.65704	0.079656	0.08552	-0.04142	0.37182	-0.01641
-0.04955	0.28527	0.031405	0.4984	-0.00866	0.85199	-0.06342	0.17128	-0.05354
-0.03891	0.40155	0.009189	0.843	-0.07628	0.09968	0.00733	0.87447	0.008373
0.023205	0.61694	0.018407	0.69155	0.000222	0.99618	0.03771	0.4162	0.068676
-0.04385	0.34435	-0.01635	0.7246	-0.0388	0.40284	-0.01592	0.73147	0.041188
-0.06652	0.15123	-0.04875	0.29316	-0.00088	0.98485	-0.10994	0.01747	-0.07083
-0.08391	0.07004	-0.02724	0.55705	-0.0282	0.54319	-0.07125	0.12416	-0.05192
0.070888	0.12608	0.021992	0.63547	0.011315	0.80732	-0.06139	0.18538	-0.03726
-0.02884	0.53408	-0.08626	0.06253	0.037446	0.41948	-0.02812	0.54446	-0.04558
-0.01874	0.68624	0.034495	0.45708	0.09312	0.04429	-0.02562	0.58084	-0.10493
-0.01706	0.71315	-0.07267	0.1168	-0.06847	0.13957	-0.01904	0.68154	-0.06712
-0.13557	0.00333	-0.09605	0.03799	-0.13964	0.00249	-0.11133	0.01609	-0.10366
0.007541	0.87089	-0.03913	0.39888	-0.07537	0.10378	-0.1032	0.02574	-0.05019
-0.19007	3.56E-05	-0.06721	0.147	-0.04759	0.30473	-0.10243	0.02687	-0.07021
-0.01057	0.81979	0.084833	0.067	0.149996	0.00115	-0.04812	0.29945	-0.03002
-0.05696	0.21924	0.033792	0.4663	0.005773	0.90099	-0.06612	0.15367	-0.10182
0.158689	0.00058	0.121444	0.00861	0.181371	8.09E-05	0.08254	0.07475	0.102189
0.020654	0.65618	-0.00924	0.84208	0.031528	0.49672	0.026326	0.57038	-0.04029
0.089682	0.05278	0.069935	0.13127	0.027062	0.55966	0.044373	0.33866	0.07667
0.116746	0.01158	0.196777	1.84E-05	0.102915	0.02615	0.241393	1.29E-07	0.08382
-0.08428	0.0688	0.000645	0.98891	-0.03804	0.41212	-0.01218	0.79289	-0.05676
0.233884	3.19E-07	0.190244	3.50E-05	0.215349	2.65E-06	0.161436	0.00046	0.26999
-0.03716	0.42303	-0.02435	0.59966	-0.02223	0.63184	-0.08422	0.06902	-0.01945
0.323394	7.88E-13	0.308894	8.79E-12	0.25219	3.30E-08	0.214474	2.91E-06	0.251039
-0.07357	0.11236	-0.04622	0.31895	0.002581	0.95565	-0.07284	0.11597	-0.09183
0.083068	0.07291	0.055005	0.23547	-0.00749	0.87175	0.047982	0.3008	0.038889
0.060023	0.19539	0.029459	0.5254	0.012857	0.7817	-0.05134	0.26817	0.008735
-0.04713	0.30945	-0.1119	0.01555	-0.04816	0.29896	0.011032	0.81206	-0.04762
-0.10373	0.02499	-0.08642	0.06204	-0.03721	0.42236	-0.07286	0.11585	-0.04982
-0.05541	0.23201	0.09086	0.04973	-0.02383	0.60744	-0.01253	0.78718	0.062276
0.056707	0.22128	0.053152	0.25165	0.029668	0.52246	-0.0188	0.68532	-0.0322
-0.07833	0.09089	-0.05089	0.2724	-0.04176	0.36787	-0.13072	0.00466	-0.09874
-0.08333	0.07201	0.007786	0.86673	0.018158	0.69553	-0.0933	0.04389	-0.0342
0.034657	0.45497	0.005549	0.90481	0.009843	0.832	0.057951	0.21129	0.020739
-0.02973	0.52161	0.025376	0.58438	-0.02183	0.63792	0.071161	0.12463	0.01842
0.015691	0.73521	-0.00874	0.85054	-0.0395	0.3944	0.007177	0.87707	0.007519
-0.00404	0.93058	0.011261	0.80823	-0.02979	0.52072	0.038913	0.40149	-0.01214
0.11077	0.01663	-0.02904	0.53136	-0.0232	0.617	0.01639	0.72389	-0.0168
-0.04555	0.32598	0.228037	6.34E-07	0.087816	0.05792	0.054221	0.24222	0.02803
0.022819	0.62281	-0.02854	0.53837	-0.05687	0.21994	-0.11856	0.01034	-0.1254
-0.10121	0.02875	-0.03636	0.43312	-0.07608	0.10059	-0.11705	0.01136	-0.0833

-0.1148	0.01305	0.027036	0.56003	-0.07518	0.1047	-0.18451	6.05E-05	-0.25065
0.158994	0.00056	0.297873	5.05E-11	0.185666	5.42E-05	0.099369	0.0318	0.204615
-0.01183	0.79881	0.058212	0.20924	0.108585	0.01892	-0.07199	0.12027	-0.05544
0.173462	0.00017	-0.05977	0.19731	0.173665	0.00016	-0.07763	0.09383	0.034534
0.040676	0.38047	-0.00999	0.82945	0.05991	0.19623	-0.03918	0.39829	0.002256
-0.00189	0.96755	-0.09591	0.03828	-0.08103	0.08023	-0.0935	0.04343	-0.09121
-0.08142	0.07878	-0.23507	2.77E-07	-0.2331	3.50E-07	-0.27461	1.59E-09	-0.16164
0.028423	0.54007	0.050918	0.27216	0.077428	0.09467	-0.0399	0.38966	-0.01185
-0.12673	0.0061	0.015982	0.73049	-0.02283	0.62266	-0.06152	0.18443	-0.01564
0.024997	0.59	-0.07789	0.09271	0.177667	0.00011	-0.06224	0.17936	-0.1832
-0.01028	0.82464	-0.25933	1.29E-08	-0.22254	1.19E-06	0.030886	0.50552	0.028034
-0.00255	0.95619	-0.00231	0.96035	0.034874	0.45215	0.080618	0.0818	-0.02668
-0.28602	3.04E-10	-0.20379	9.05E-06	-0.1063	0.02159	-0.12273	0.00793	-0.20619
-0.27818	9.56E-10	-0.20042	1.28E-05	-0.37776	2.74E-17	-0.11674	0.01158	-0.15479
-0.15427	0.00082	-0.08044	0.0825	-0.02142	0.64434	-0.05794	0.2114	0.016342
0.061714	0.18307	0.082688	0.07423	0.093169	0.04418	0.089874	0.05227	0.261666
-0.1204	0.00921	-0.01285	0.78188	-0.00996	0.82999	-0.13553	0.00334	-0.19388
0.140828	0.00229	0.074446	0.10812	0.19564	2.07E-05	-0.14257	0.00201	-0.15058
0.100354	0.03013	-0.01239	0.7895	-0.05627	0.22483	0.015282	0.74186	0.086952
0.173349	0.00017	0.045175	0.32999	0.253401	2.82E-08	-0.02319	0.61717	-0.03386
0.132304	0.00418	0.011262	0.80822	-0.10442	0.02403	0.044244	0.34007	0.164193
-0.02759	0.55198	-0.12456	0.00704	-0.16414	0.00037	-0.03061	0.50932	0.14516
0.062214	0.17955	0.138806	0.00265	0.021334	0.64563	0.110894	0.01651	0.130208
0.044371	0.33868	-0.04493	0.33258	0.038371	0.40807	0.252715	3.08E-08	0.159131
0.036012	0.43751	0.084282	0.0688	0.017916	0.69938	0.082533	0.07478	0.27366
0.222223	1.23E-06	0.14155	0.00217	0.194215	2.38E-05	0.088561	0.05582	0.138824
-0.00951	0.83763	0.07605	0.10071	0.124127	0.00724	-0.14223	0.00206	-0.13612
0.006121	0.89505	-0.13045	0.00475	-0.11694	0.01144	-0.0867	0.06118	-0.11085
-0.12757	0.00577	0.179512	9.59E-05	0.158227	0.0006	-0.13762	0.00288	-0.08116
-0.06062	0.19094	-0.22864	5.91E-07	-0.1709	0.00021	-0.23741	2.09E-07	-0.28111
0.109727	0.01769	0.266376	5.01E-09	0.178983	0.0001	0.083811	0.07037	0.366719
0.037589	0.4177	0.122842	0.00787	0.153224	0.00089	0.113481	0.01414	0.01199
-0.06839	0.14	-0.10862	0.01888	-0.06018	0.19425	-0.07675	0.09762	-0.1053
-0.1186	0.01031	-0.2079	5.89E-06	-0.07406	0.10996	-0.10591	0.02208	-0.24952
0.036458	0.43186	0.003183	0.94531	0.08228	0.07568	-0.00266	0.9543	0.066747
0.227509	6.74E-07	-0.16984	0.00023	-0.03708	0.42402	0.079368	0.08666	-0.04674
0.035912	0.43879	-0.09542	0.03928	-0.03888	0.40183	-0.19011	3.55E-05	-0.25637
-0.06996	0.13112	0.009671	0.83489	-0.02464	0.59526	-0.05262	0.25639	-0.12369
0.222293	1.22E-06	-0.0013	0.97765	0.209372	5.04E-06	-0.05872	0.20525	-0.06285
-0.05438	0.24084	-0.25376	2.69E-08	-0.24735	6.12E-08	0.075176	0.1047	-0.04348
-0.09572	0.03866	-0.17033	0.00022	-0.26266	8.29E-09	-0.03608	0.43659	-0.27967
-0.04221	0.36281	-0.02121	0.64757	0.020858	0.65301	-0.07686	0.09712	-0.13914
0.219867	1.61E-06	0.126759	0.00609	0.123753	0.00742	-0.03066	0.50864	-0.05007
0.139441	0.00253	0.127655	0.00573	-0.09659	0.03693	0.154323	0.00082	0.190604
0.040431	0.38335	0.062898	0.1748	-0.05824	0.20904	0.008264	0.85863	0.106602



-0.0682	0.14116	-0.03157	0.49618	-0.05259	0.25671	-0.07919	0.08738	-0.13709
0.243128	1.04E-07	0.272021	2.29E-09	0.150961	0.00107	0.161687	0.00045	0.21514
-0.14914	0.00123	-0.26437	6.58E-09	-0.17563	0.00014	-0.01279	0.78288	-0.02775
0.239581	1.61E-07	0.204089	8.77E-06	0.247278	6.17E-08	-0.01793	0.69919	-0.07868
-0.14808	0.00133	-0.08825	0.05668	-0.12621	0.00631	-0.17144	0.0002	-0.14542
-0.10201	0.0275	-0.08108	0.08005	0.002328	0.95998	-0.10438	0.02408	-0.18568
0.049442	0.28632	-0.00441	0.92431	0.08199	0.07672	-0.11673	0.01159	-0.2101
0.067441	0.14563	0.141878	0.00212	0.17743	0.00012	-0.15403	0.00084	-0.16894
0.040027	0.38813	0.071865	0.12094	0.124073	0.00727	0.038019	0.41239	-0.08855
0.063605	0.16999	0.14118	0.00223	0.169638	0.00023	0.069517	0.1336	-0.03042
0.138008	0.0028	0.019388	0.67603	0.099045	0.03236	0.047758	0.30307	-0.14277
0.141487	0.00218	0.27189	2.33E-09	0.33587	8.89E-14	0.082091	0.07636	0.039528
-0.03079	0.50678	0.053099	0.25212	0.064558	0.16368	-0.14944	0.0012	-0.08641
0.167884	0.00027	-0.19066	3.37E-05	-0.11823	0.01056	0.04926	0.28809	-0.08693
0.020877	0.65271	0.020905	0.65228	-0.0817	0.07777	-0.04605	0.32074	-0.07738
-0.0162	0.72699	-0.24332	1.01E-07	-0.20551	7.57E-06	-0.13868	0.00267	-0.20969
-0.01952	0.67387	0.020571	0.65748	0.020804	0.65384	0.142925	0.00196	0.039343
0.001376	0.97635	0.089572	0.05307	0.08034	0.08286	-0.01253	0.78704	-0.00983
0.186409	5.05E-05	-0.02835	0.54112	-0.14881	0.00126	0.130554	0.00472	0.156579
0.007384	0.87355	0.095769	0.03857	0.094502	0.04122	0.053363	0.24976	0.007839
-0.09604	0.03802	-0.02172	0.63965	-0.01138	0.80629	-0.04567	0.32471	-0.05262
0.026074	0.57408	0.009079	0.84486	-0.01204	0.79527	0.010902	0.81423	0.020033
0.034112	0.46209	-0.05026	0.27843	-0.05204	0.26169	0.210108	4.66E-06	0.226065
-0.32964	2.68E-13	-0.21511	2.72E-06	-0.23797	1.95E-07	-0.2971	5.69E-11	-0.36219
0.035208	0.44783	-0.15423	0.00083	-0.03761	0.4174	-0.10927	0.01817	-0.23942
0.209117	5.18E-06	0.113765	0.0139	0.158665	0.00058	0.28383	4.21E-10	0.206147
0.146677	0.00148	0.08927	0.05388	0.143848	0.00183	-0.20785	5.92E-06	-0.16178
-0.03187	0.49201	-0.09058	0.05045	-0.06915	0.13566	-0.19343	2.57E-05	-0.3469
0.112467	0.01503	0.052556	0.25701	0.119431	0.00979	0.120959	0.00888	0.015686
0.002757	0.95261	-0.061	0.18817	-0.05566	0.22994	-0.04181	0.3673	-0.08253
0.180418	8.83E-05	-0.04427	0.33978	0.018336	0.69269	0.247845	5.75E-08	0.206911
0.019465	0.67481	0.067245	0.1468	-0.07565	0.1025	0.196691	1.86E-05	-0.08219
0.046024	0.32098	-0.02299	0.62016	-0.02519	0.58711	-0.06741	0.14578	0.018326
0.262739	8.21E-09	0.239072	1.71E-07	0.223824	1.03E-06	0.247275	6.18E-08	0.262856
0.038413	0.40756	0.131911	0.0043	0.088638	0.05561	0.005854	0.89961	0.085647
0.136207	0.00318	0.03813	0.41103	-0.10014	0.03049	0.050005	0.28086	0.194854
0.186293	5.11E-05	0.203159	9.65E-06	0.061812	0.18238	0.32142	1.10E-12	0.440088
0.111752	0.01569	0.037561	0.41804	0.082897	0.0735	-0.06727	0.14664	-0.10324
0.310951	6.30E-12	0.044058	0.3421	0.210821	4.32E-06	0.143361	0.0019	0.188051
0.135919	0.00325	0.229935	5.08E-07	0.162123	0.00044	0.105036	0.0232	0.189883
-0.04482	0.33383	0.043653	0.34657	0.072933	0.1155	0.057012	0.2188	-0.01705
0.112385	0.0151	0.180167	9.04E-05	0.131934	0.00429	0.041597	0.36977	0.14507
0.185626	5.44E-05	0.139628	0.00249	0.250248	4.23E-08	-0.01684	0.71665	-0.10293
0.203335	9.48E-06	0.235648	2.58E-07	0.306147	1.37E-11	0.018346	0.69253	0.026567
0.035209	0.44782	0.128898	0.00528	0.219937	1.59E-06	-0.00662	0.88649	-0.04377

0.105805	0.02221	-0.07432	0.10874	-0.07198	0.12031	-0.09257	0.04556	-0.23102
-0.08387	0.07017	-0.27218	2.24E-09	-0.21897	1.78E-06	-0.00055	0.99055	-0.01826
-0.01847	0.69058	0.117023	0.01138	-0.0448	0.33402	-0.01359	0.76963	0.149883
0.166612	0.0003	0.231938	4.02E-07	0.256942	1.78E-08	0.174599	0.00015	0.334422
0.044537	0.33688	-0.15151	0.00102	-0.01555	0.73758	-0.12443	0.0071	-0.08988
-0.08088	0.08081	0.056718	0.22118	0.059708	0.19775	-0.14214	0.00208	-0.13755
0.05402	0.24398	0.080643	0.0817	0.091669	0.04772	-0.05989	0.19636	0.020698
0.015006	0.74636	0.056211	0.22535	0.062997	0.17412	-0.11969	0.00963	-0.18935
0.033626	0.4685	0.07281	0.11611	0.047561	0.30507	0.136574	0.0031	-0.03574
0.093921	0.04249	0.039059	0.39972	-0.06742	0.14572	0.074574	0.10751	0.142359
0.216345	2.37E-06	0.118603	0.01031	0.145249	0.00165	0.025129	0.58804	0.000633
0.173298	0.00017	0.349595	7.17E-15	0.299224	4.09E-11	0.201992	1.09E-05	0.211189
0.314242	3.67E-12	0.217034	2.20E-06	0.166855	0.00029	0.032021	0.49	-0.04159
-0.11502	0.01287	-0.18616	5.17E-05	-0.27187	2.34E-09	-0.25021	4.25E-08	-0.3559
0.215542	2.59E-06	0.105165	0.02304	-0.06978	0.13215	0.309362	8.15E-12	0.284799
0.121766	0.00844	-0.04633	0.31776	-0.01877	0.68576	-0.03792	0.41365	-0.30883
0.05627	0.22486	-0.01886	0.68438	-0.01925	0.67812	0.089509	0.05324	0.150647
0.019262	0.67802	0.004839	0.91694	0.029882	0.51947	0.077601	0.09393	0.093812
0.051112	0.27034	0.022682	0.62491	0.027884	0.54779	0.147405	0.0014	0.088332
0.047352	0.3072	0.010218	0.82569	0.016683	0.71916	0.15206	0.00098	0.107301
0.081645	0.07797	0.124418	0.0071	0.179559	9.55E-05	-0.0086	0.85304	0.006041
0.126089	0.00636	-0.20215	1.07E-05	-0.1834	6.71E-05	0.128025	0.00559	-0.03451
-0.22661	7.48E-07	-0.19533	2.13E-05	-0.17798	0.00011	-0.18364	6.56E-05	-0.14445
0.193307	2.60E-05	-0.04291	0.35486	0.151352	0.00103	-0.16171	0.00045	-0.21924
-0.00592	0.89843	-0.01702	0.71376	-0.04188	0.36658	-0.05209	0.26126	-0.0392
0.088004	0.05738	-0.07855	0.08997	0.062896	0.17482	0.021128	0.64882	-0.12857
0.024482	0.5977	0.036747	0.42821	-0.07126	0.12411	-0.01758	0.70474	-0.01793
0.057125	0.21788	0.219737	1.63E-06	0.216568	2.32E-06	0.105654	0.0224	0.095961
-0.0899	0.0522	-0.00076	0.987	0.001781	0.96939	-0.03695	0.42565	0.016193
-0.1606	0.00049	-0.00929	0.84124	-0.17923	9.85E-05	0.089036	0.05451	0.058643
0.022587	0.62635	-0.05397	0.24445	-0.05709	0.2182	-0.14635	0.00152	-0.16513
-0.2382	1.90E-07	-0.05942	0.1999	-0.03549	0.44417	-0.10252	0.02674	-0.06847
-0.0841	0.0694	0.024264	0.60096	0.045792	0.32343	-0.08939	0.05355	0.002935
0.055864	0.22823	0.033259	0.47337	0.039751	0.3914	-0.02607	0.57419	-0.02882
0.215559	2.59E-06	0.141078	0.00224	0.119302	0.00987	0.199349	1.42E-05	0.373738
-0.01273	0.78386	0.041936	0.36588	0.08674	0.06107	0.016839	0.71664	-0.03269
0.24192	1.20E-07	0.326713	4.45E-13	0.185088	5.72E-05	0.308717	9.05E-12	0.410947
-0.04112	0.37532	0.000528	0.99092	0.026193	0.57234	0.056609	0.22208	0.058755
0.250183	4.27E-08	0.228809	5.80E-07	0.325179	5.80E-13	0.033023	0.47652	0.071243
-0.22715	7.03E-07	-0.12245	0.00807	-0.25243	3.20E-08	0.028756	0.53533	0.175218
-0.01921	0.67891	-0.24669	6.65E-08	-0.2323	3.85E-07	0.019677	0.67147	-0.11789
0.270894	2.68E-09	0.038743	0.40354	-0.13503	0.00346	0.131048	0.00456	0.162941
-0.20553	7.55E-06	-0.04362	0.34698	-0.05022	0.27874	-0.20891	5.29E-06	-0.10429
-0.05502	0.23538	0.063833	0.16846	-0.08911	0.05432	-0.09912	0.03224	-0.08064
0.121904	0.00836	0.069385	0.13434	0.20081	1.23E-05	-0.11423	0.01351	-0.18082

-0.02933	0.52716	0.00638	0.89063	-0.06656	0.15094	-0.14291	0.00196	-0.21546
-0.15887	0.00057	-0.04301	0.35374	-0.17074	0.00021	-0.12746	0.00581	-0.15465
-0.04199	0.36531	0.031388	0.49863	0.002649	0.95447	0.008347	0.85723	0.016068
0.07255	0.11742	0.209071	5.20E-06	0.260503	1.11E-08	-0.04909	0.28981	-0.01958
0.019759	0.67018	-0.05171	0.26476	0.020989	0.65098	-0.03729	0.42137	-0.16161
-0.01002	0.82901	-0.08471	0.06739	-0.02783	0.54859	-0.09901	0.03242	-0.00401
0.044985	0.33203	0.073664	0.11188	0.179163	9.91E-05	-0.00425	0.92701	-0.09054
0.005307	0.90893	0.022119	0.63352	0.112143	0.01533	-0.02108	0.64951	0.026575
-0.02617	0.57262	-0.10262	0.02659	-0.091	0.04937	0.012632	0.78542	-0.05326
-0.0734	0.1132	-0.1361	0.00321	-0.10229	0.02709	-0.04062	0.38112	0.104368
-0.23281	3.63E-07	-0.08736	0.05923	-0.02986	0.51978	-0.25335	2.84E-08	-0.10654
0.107732	0.01988	0.20852	5.52E-06	0.218988	1.77E-06	-0.09721	0.03573	-0.08078
0.070772	0.12671	0.166563	0.0003	0.132222	0.00421	-0.03933	0.39643	-0.05197
0.106685	0.02112	0.036978	0.42531	0.064546	0.16375	-0.01864	0.68788	-0.11122
-0.03781	0.415	-0.01394	0.76378	-0.01063	0.81877	0.058925	0.2037	-0.05199
0.332951	1.49E-13	0.255318	2.20E-08	0.19703	1.80E-05	0.261521	9.66E-09	0.358814
-0.05627	0.22482	-0.13578	0.00328	-0.13188	0.00431	0.005966	0.89769	0.147934
0.117462	0.01107	0.076214	0.09997	0.049564	0.28513	0.049357	0.28714	-0.03346
0.097679	0.03484	0.113457	0.01416	0.141086	0.00224	0.053824	0.2457	0.008944
0.030065	0.51691	0.010511	0.82077	-0.01344	0.77209	0.013766	0.76669	0.026472
0.064422	0.16457	0.09965	0.03132	0.09195	0.04704	0.028956	0.53249	-0.02551
-0.05327	0.25062	-0.03766	0.4168	-0.04353	0.34795	-0.06999	0.13099	-0.08608
-0.02642	0.56904	-0.12285	0.00787	-0.0942	0.04188	0.140805	0.00229	0.063849
-0.32576	5.25E-13	-0.14292	0.00196	-0.1188	0.01018	-0.1231	0.00774	-0.22207
-0.12235	0.00812	-0.24247	1.13E-07	-0.1066	0.02122	-0.37147	9.97E-17	-0.28494
0.022867	0.62209	-0.11412	0.0136	0.090419	0.05085	-0.22744	6.80E-07	-0.43515
0.049495	0.2858	0.006295	0.89208	0.100593	0.02974	0.088756	0.05528	-0.05633
0.096099	0.0379	0.151213	0.00105	0.168141	0.00026	0.029373	0.52661	0.113163
0.121202	0.00875	0.157834	0.00062	0.18204	7.61E-05	0.040058	0.38776	0.142222
-0.03099	0.50404	0.058227	0.20912	-0.01493	0.74758	-0.02709	0.5592	0.04557
-0.18512	5.71E-05	0.108447	0.01907	-0.02522	0.58667	-0.16559	0.00033	-0.01441
-0.0917	0.04764	-0.12992	0.00492	-0.23085	4.57E-07	-0.1173	0.01118	-0.10753
0.166372	0.00031	0.323142	8.23E-13	0.249341	4.75E-08	0.118005	0.0107	0.242342
-0.04072	0.38	0.079698	0.08536	0.060824	0.18948	0.011566	0.80315	-0.06761
-0.05857	0.20641	-0.1275	0.00579	-0.10559	0.02248	0.094622	0.04096	0.075908
0.016921	0.71532	0.005935	0.89821	-0.02199	0.63545	-0.01832	0.69295	-0.05449
0.056878	0.21988	-0.09683	0.03646	-0.02442	0.59859	0.011745	0.80015	-0.00747
0.225369	8.63E-07	0.277019	1.13E-09	0.366458	2.74E-16	0.191551	3.09E-05	0.099249
0.119121	0.00998	0.118787	0.01019	0.115149	0.01277	0.092624	0.04544	0.048637
0.137308	0.00295	0.012054	0.79501	-0.00617	0.89414	0.118998	0.01006	-0.17727
0.039493	0.3945	-0.21555	2.59E-06	-0.22396	1.01E-06	-0.08475	0.06727	-0.23858
0.050177	0.27921	0.193957	2.44E-05	0.123571	0.00751	0.030185	0.51524	0.138824
-0.06063	0.19088	-0.09905	0.03236	-0.04844	0.29619	-0.23703	2.19E-07	-0.19392
0.102459	0.02682	0.110235	0.01717	0.134683	0.00355	0.039755	0.39136	0.039628
0.016573	0.72094	0.116941	0.01144	0.096809	0.03649	0.032778	0.4798	0.028801

0.121601	0.00852	0.222756	1.16E-06	0.209613	4.91E-06	0.043729	0.34573	0.074605
0.016018	0.72991	0.015609	0.73655	0.068708	0.13819	-0.22896	5.70E-07	-0.21877
0.114578	0.01323	0.115503	0.0125	0.17323	0.00017	-0.00396	0.93204	-0.0198
0.066905	0.14886	0.059141	0.20205	0.059498	0.19934	-0.00955	0.837	-0.09442
0.127376	0.00584	0.161373	0.00046	0.150076	0.00114	-0.10015	0.03048	-0.12606
0.216528	2.33E-06	0.003165	0.94562	0.061489	0.18468	-0.07354	0.11247	-0.09838
-0.0386	0.40523	-0.00808	0.86175	0.009927	0.83058	0.167792	0.00027	0.203456
0.046318	0.3179	0.189575	3.74E-05	0.225527	8.47E-07	-0.0968	0.0365	-0.17622
0.159118	0.00056	0.290688	1.52E-10	0.303535	2.08E-11	0.138982	0.00261	0.160838
-0.00097	0.98337	-0.08335	0.07193	0.027813	0.5488	-0.09294	0.0447	-0.14618
0.166402	0.0003	0.064867	0.16166	0.148266	0.00131	0.06972	0.13246	0.06745
0.113966	0.01373	0.008763	0.8502	0.176593	0.00012	-0.00443	0.92395	-0.03617
-0.12151	0.00858	-0.20047	1.27E-05	-0.06323	0.17251	-0.0714	0.12336	-0.03725
0.017716	0.70258	-0.04749	0.30584	-0.00636	0.89098	-0.06936	0.13449	-0.13349
0.203709	9.12E-06	0.139001	0.00261	0.075665	0.10245	0.264724	6.27E-09	0.448925
-0.05705	0.21852	-0.1706	0.00021	-0.13409	0.0037	-0.21679	2.26E-06	-0.03073
-0.03246	0.48406	-0.20027	1.30E-05	-0.17623	0.00013	0.021996	0.63541	0.208057
-0.28176	5.70E-10	-0.08165	0.07796	-0.14241	0.00204	-0.04266	0.3576	0.015368
0.208985	5.25E-06	0.200099	1.32E-05	0.089483	0.0533	0.142238	0.00206	0.35813
0.061858	0.18205	0.095858	0.03839	0.04795	0.30113	-0.07402	0.11016	0.246645
0.100193	0.0304	0.11722	0.01124	0.149075	0.00123	0.0452	0.32973	0.030232
-0.12977	0.00497	-0.16334	0.00039	-0.05628	0.22475	-0.31511	3.18E-12	-0.15467
0.101395	0.02846	0.152317	0.00096	0.129335	0.00512	0.136731	0.00307	0.148829
0.061532	0.18438	0.005462	0.90628	-0.14357	0.00187	-0.05886	0.20417	-0.04427
0.183429	6.69E-05	0.219891	1.60E-06	0.128284	0.0055	0.039811	0.39069	0.101207
0.088297	0.05656	-0.00669	0.88531	0.001125	0.98065	0.077263	0.09538	-0.01724
0.01227	0.79143	0.024357	0.59957	-0.01302	0.77902	0.123237	0.00767	0.017953
-0.03859	0.40543	-0.17373	0.00016	-0.19453	2.31E-05	-0.07689	0.09701	-0.15968
-0.02498	0.59026	-0.15564	0.00074	-0.03489	0.452	-0.01827	0.69367	-0.06337
0.061963	0.18131	-0.03498	0.4508	-0.05004	0.28052	-0.05779	0.21256	-0.04023
-0.31017	7.15E-12	-0.06111	0.18743	-0.1355	0.00335	-0.0652	0.15953	0.075293
0.127653	0.00574	-0.26837	3.80E-09	-0.02977	0.52098	0.002974	0.9489	0.059231
-0.00519	0.91089	-0.10154	0.02823	-0.07422	0.1092	-0.05468	0.23821	0.043586
-0.01052	0.8207	-0.26575	5.46E-09	-0.14877	0.00126	-0.21663	2.30E-06	-0.38766
-0.02934	0.52707	-0.20987	4.78E-06	-0.02383	0.60742	-0.03653	0.431	-0.03575
0.048828	0.29235	0.014175	0.75998	0.035686	0.44168	-0.1319	0.0043	-0.3017
0.126583	0.00616	0.16465	0.00035	0.138597	0.00269	0.168907	0.00025	0.255134
-0.239	1.72E-07	-0.10151	0.02828	-0.19999	1.34E-05	-0.01365	0.76853	0.091197
0.132432	0.00415	-0.15381	0.00085	0.101033	0.02903	-0.05029	0.27809	-0.19439
0.02973	0.52159	-0.14838	0.0013	-0.10668	0.02112	-0.03334	0.47235	-0.03315
-0.20162	1.13E-05	-0.05649	0.22305	-0.0886	0.0557	-0.12781	0.00567	-0.06672
0.13218	0.00422	0.110214	0.01719	0.218729	1.82E-06	0.133413	0.00387	-0.05184
0.126903	0.00603	0.122856	0.00786	0.194374	2.34E-05	0.056819	0.22036	-0.11165
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0.030487	0.51104	0.042493	0.35955	0.014743	0.75066	0.006884	0.88206	-0.03865

-0.128	0.0056	-0.14526	0.00165	-0.14912	0.00123	-0.259	1.35E-08	-0.30335
0.015666	0.73561	-0.02193	0.63638	-0.02064	0.6564	0.005294	0.90917	-0.01816
-0.12418	0.00721	-0.14004	0.00242	-0.15693	0.00067	-0.1731	0.00017	-0.10953
0.125205	0.00675	0.104865	0.02343	0.070023	0.13078	0.147686	0.00137	0.239739
-0.21915	1.74E-06	-0.14642	0.00151	-0.23686	2.23E-07	-0.15207	0.00098	-0.20874
0.07924	0.08717	-0.0185	0.69	-0.25	4.37E-08	0.191199	3.19E-05	0.188586
0.311792	5.49E-12	0.268016	4.00E-09	0.341437	3.25E-14	0.125436	0.00664	0.022085
-0.0788	0.08896	-0.05231	0.25929	-0.01012	0.8273	-0.06699	0.14834	-0.0097
-0.05797	0.21117	-0.06251	0.17748	-0.02138	0.64498	-0.0328	0.47951	0.008827
-0.01142	0.8056	-0.02035	0.66091	-0.00153	0.97375	0.026515	0.56762	0.095675
0.060408	0.19253	0.068247	0.14086	0.081735	0.07764	-0.00298	0.94878	-0.00384
-0.1011	0.02892	-0.06525	0.15917	-0.0452	0.3297	-0.04148	0.37112	-0.00169
0.061778	0.18262	-0.15652	0.00069	0.069608	0.13309	-0.08284	0.07369	-0.2065
0.142459	0.00203	0.008024	0.86271	0.126383	0.00624	-0.06391	0.16794	-0.10942
7.64E-05	0.99869	0.110235	0.01717	0.081602	0.07813	-0.07358	0.11229	-0.06913
-0.00178	0.96948	0.085129	0.06605	0.067485	0.14536	0.061018	0.18807	-0.12803
0.134264	0.00365	0.094888	0.0404	0.122951	0.00781	0.102577	0.02665	0.12742
0.302366	2.50E-11	0.118251	0.01054	0.164919	0.00035	0.133952	0.00373	0.223691
-0.11566	0.01238	-0.31515	3.16E-12	-0.32221	9.64E-13	-0.136	0.00323	-0.28816
0.240447	1.44E-07	0.130252	0.00481	0.131253	0.0045	0.229346	5.45E-07	0.202534
0.152336	0.00096	0.079803	0.08494	0.196754	1.85E-05	0.120353	0.00923	0.197001
-0.06428	0.16552	-0.13153	0.00441	-0.1014	0.02844	-0.11915	0.00996	-0.26637
0.056329	0.22437	0.044783	0.33421	0.049669	0.28411	-0.02672	0.56465	-0.10923
-0.20287	9.95E-06	-0.12283	0.00788	-0.08224	0.07583	-0.29008	1.66E-10	-0.13553
-0.08874	0.05531	-0.1977	1.68E-05	-0.17091	0.00021	-0.08115	0.07981	-0.21007
-0.05916	0.20189	-0.08223	0.07587	0.081251	0.07942	-0.16086	0.00048	0.013945
0.144488	0.00175	0.302822	2.32E-11	0.314674	3.41E-12	0.033875	0.46522	0.283035
0.251517	3.60E-08	0.142449	0.00203	-0.0168	0.71734	0.193825	2.47E-05	0.293794
0.017149	0.71167	0.051391	0.26772	0.094599	0.04101	-0.11644	0.0118	-0.14014
0.122978	0.0078	0.039248	0.39744	0.112166	0.0153	-0.00078	0.98663	-0.04922
0.121841	0.00839	0.027704	0.55038	0.019346	0.67669	-0.02329	0.61567	-0.10923
-0.2187	1.83E-06	-0.10492	0.02336	-0.34482	1.75E-14	-0.06558	0.15709	-0.03213
-0.00853	0.85409	0.047619	0.30448	0.018894	0.68382	0.000717	0.98767	0.089222
0.123664	0.00746	0.168591	0.00025	0.116188	0.01198	-0.02223	0.63186	0.100115
0.045456	0.327	0.096006	0.03809	0.111016	0.01639	-0.07279	0.1162	-0.01507
0.181509	7.99E-05	0.241993	1.19E-07	-0.01142	0.80561	0.29205	1.23E-10	0.333155
-0.14322	0.00192	-0.14332	0.0019	-0.22391	1.02E-06	0.112829	0.01471	0.152492
0.203562	9.26E-06	-0.04969	0.28389	-0.10088	0.02927	0.132126	0.00423	0.09022
0.0146	0.75301	-0.03862	0.405	-0.11577	0.01229	0.141376	0.0022	0.020697
-0.06745	0.14555	-0.03516	0.44838	-0.07667	0.09798	-0.10368	0.02506	-0.26171
0.036051	0.43702	-0.33432	1.17E-13	-0.22457	9.46E-07	-0.18381	6.45E-05	-0.22303
0.20827	5.66E-06	0.328145	3.47E-13	0.190942	3.27E-05	0.105323	0.02283	0.098497
-0.09887	0.03267	-0.03483	0.45268	-0.05021	0.27885	0.021996	0.63541	0.023913
0.148127	0.00133	-0.18761	4.51E-05	-0.14787	0.00135	0.03971	0.3919	-0.04334
-0.11208	0.01539	-0.09769	0.03482	-0.06477	0.16227	-0.10651	0.02133	0.02899

0.037003	0.425	0.023247	0.61631	0.065559	0.15723	0.025434	0.58352	0.104673
0.12681	0.00607	0.304361	1.82E-11	0.245814	7.42E-08	0.007067	0.87895	0.149505
0.231427	4.27E-07	0.068622	0.13869	0.109351	0.01809	0.195169	2.16E-05	0.281696
0.241415	1.28E-07	0.337684	6.42E-14	0.333099	1.46E-13	0.224936	9.06E-07	0.344449
0.009695	0.83449	0.040655	0.38072	-0.01791	0.69948	-0.09925	0.032	-0.27663
0.170068	0.00022	0.111275	0.01614	0.09333	0.04381	0.178022	0.00011	0.038373
0.221263	1.37E-06	0.031165	0.50169	0.131373	0.00446	0.217099	2.18E-06	0.049483
0.149825	0.00116	0.246059	7.20E-08	0.284046	4.08E-10	0.03413	0.46185	-0.10967
-0.01814	0.69588	-0.01553	0.73779	0.00772	0.86786	-0.0138	0.76612	-0.14364
0.003714	0.9362	-0.08292	0.07341	-0.09687	0.03637	0.033231	0.47374	0.015996
0.191374	3.14E-05	0.219584	1.66E-06	0.335396	9.67E-14	0.037721	0.41607	0.026352
0.085688	0.06429	0.074196	0.10931	0.059563	0.19884	0.065286	0.15896	0.050889
-0.06485	0.16176	-0.31675	2.42E-12	-0.24687	6.50E-08	-0.22577	8.24E-07	-0.29731
0.255415	2.17E-08	0.135473	0.00335	0.103131	0.02584	0.068874	0.13724	0.058437
-0.03798	0.41289	-0.01835	0.6924	-0.0664	0.15198	0.069534	0.1335	-0.03157
-0.16547	0.00033	-0.23923	1.68E-07	-0.27883	8.71E-10	-0.04699	0.31097	-0.04647
0.007822	0.86612	0.13067	0.00468	0.179039	0.0001	-0.01539	0.74015	0.044829
-0.07341	0.11313	-0.02936	0.52676	0.010947	0.81348	-0.04092	0.37759	-0.03469
-0.20974	4.85E-06	-0.22433	9.71E-07	-0.2074	6.21E-06	-0.14084	0.00228	-0.36085
0.069975	0.13105	-0.03275	0.48013	9.96E-05	0.99829	0.097151	0.03584	-0.03452
0.077111	0.09603	0.07255	0.11742	0.018575	0.68889	0.053428	0.24919	0.076485
-0.31013	7.20E-12	-0.17093	0.00021	-0.19677	1.85E-05	-0.2003	1.29E-05	-0.24493
-0.03665	0.42945	-0.30665	1.26E-11	-0.21835	1.90E-06	-0.10941	0.01802	-0.06566
-0.01351	0.77087	-0.19865	1.53E-05	-0.20571	7.41E-06	-0.02154	0.64238	-0.14321
-0.17421	0.00015	-0.06196	0.18131	-0.01072	0.8173	-0.22948	5.36E-07	-0.15831
-0.14347	0.00188	-0.20454	8.37E-06	-0.20447	8.43E-06	-0.15137	0.00103	-0.19238
0.113895	0.01379	-0.06691	0.14883	0.047597	0.3047	-0.02459	0.59605	-0.06245
-0.04261	0.35824	0.095871	0.03836	-0.00286	0.95078	0.011887	0.7978	-0.10316
-0.08519	0.06585	-0.15399	0.00084	-0.09155	0.048	-0.20619	7.05E-06	-0.26952
0.160233	0.00051	0.079579	0.08583	0.097712	0.03478	-0.02991	0.51909	-0.12988
0.047038	0.31042	0.169856	0.00023	0.11164	0.01579	0.073563	0.11238	0.031383
0.164769	0.00035	0.283816	4.22E-10	0.257692	1.61E-08	0.095806	0.03849	-0.04023
-0.29114	1.42E-10	-0.1584	0.00059	-0.15333	0.00089	-0.22444	9.59E-07	-0.18358
-0.04185	0.36687	-0.05727	0.21669	-0.0389	0.40164	-0.02819	0.54335	-0.08248
0.100176	0.03043	0.311698	5.57E-12	0.203509	9.31E-06	0.148065	0.00133	0.192233
-0.0651	0.16015	-0.1553	0.00076	-0.40889	3.01E-20	0.017138	0.71183	0.015344
0.160498	0.0005	0.16409	0.00037	-0.03981	0.39071	0.268547	3.71E-09	0.312038
0.055007	0.23545	-0.09345	0.04354	0.03098	0.50423	-0.1451	0.00167	-0.13425
0.154448	0.00081	0.072682	0.11676	0.136808	0.00305	0.122131	0.00824	0.210604
-0.2504	4.15E-08	-0.15974	0.00053	-0.16286	0.00041	-0.21195	3.83E-06	-0.1107
0.112833	0.0147	0.029113	0.53027	0.032502	0.4835	0.019357	0.67651	0.032569
0.026573	0.56677	-0.00284	0.95114	-0.09869	0.03299	-0.03398	0.46389	-0.10933
-0.05791	0.21159	-0.08003	0.08408	0.013922	0.76412	-0.15671	0.00068	-0.12383
0.146984	0.00145	0.135987	0.00323	0.251698	3.51E-08	0.058046	0.21054	0.145215
0.0661	0.15382	-0.03038	0.5125	0.018943	0.68304	0.01342	0.7724	-0.09784

0.092822	0.04498	0.182393	7.36E-05	0.255049	2.28E-08	0.031343	0.49924	0.179971
0.057354	0.21604	0.08214	0.07618	0.11477	0.01307	0.123784	0.0074	-0.00347
0.371695	9.53E-17	0.028542	0.53838	0.159172	0.00056	0.107554	0.02008	0.172479
0.124078	0.00726	0.165108	0.00034	0.135751	0.00329	0.173215	0.00017	0.006272
-0.08693	0.06051	-0.16964	0.00023	-0.09713	0.03587	-0.18498	5.78E-05	-0.22607
0.086514	0.06175	-0.0034	0.94155	0.070345	0.12902	0.102607	0.0266	-0.05787
0.016982	0.71435	0.096723	0.03666	0.144748	0.00171	-0.08503	0.06636	0.008268
-3.58E-05	0.99938	-0.06314	0.17314	0.018142	0.69578	0.023474	0.61286	-0.14821
-0.25149	3.61E-08	-0.28606	3.03E-10	-0.19091	3.29E-05	-0.11272	0.0148	-0.10245
-0.15271	0.00093	-0.16727	0.00028	-0.10992	0.01749	-0.1649	0.00035	-0.23781
0.032377	0.48519	-0.29198	1.25E-10	-0.11701	0.01139	-0.19128	3.17E-05	-0.22337
-0.01804	0.69743	-0.03511	0.4491	0.119155	0.00996	0.100543	0.02982	-0.04772
-0.02331	0.61532	0.008488	0.85485	0.045674	0.32467	0.083928	0.06998	0.222644
-0.12643	0.00622	-0.24981	4.47E-08	-0.33654	7.89E-14	0.018444	0.69096	0.173955
-0.02947	0.52528	-0.23901	1.72E-07	-0.24747	6.02E-08	0.156386	0.0007	-0.00035
-0.09346	0.04351	-0.21292	3.45E-06	-0.10325	0.02566	-0.32591	5.12E-13	-0.32794
-0.09115	0.04901	-0.04629	0.31815	-0.08561	0.06455	0.051768	0.26423	0.172421
0.128915	0.00527	0.01477	0.75023	-0.12801	0.0056	0.122606	0.00799	0.173044
0.354315	2.93E-15	0.208397	5.59E-06	0.154236	0.00083	0.139135	0.00258	0.081105
0.102208	0.0272	0.17678	0.00012	0.138741	0.00266	0.097674	0.03485	0.047685
0.071447	0.12312	0.088864	0.05498	0.043455	0.34877	0.122903	0.00784	0.07906
0.31524	3.11E-12	0.148506	0.00129	0.302797	2.33E-11	0.056566	0.22243	0.170225
-0.17148	0.0002	-0.11137	0.01605	-0.10008	0.03059	-0.02932	0.52731	0.010627
-0.03252	0.48324	-0.04608	0.32044	-0.07859	0.08979	-0.15622	0.0007	-0.31471
0.294244	8.83E-11	0.220942	1.42E-06	0.27527	1.45E-09	0.170183	0.00022	0.048237
0.02867	0.53655	0.030013	0.51763	-0.24734	6.13E-08	0.205659	7.45E-06	0.212016
0.051566	0.26609	-0.02034	0.6611	-0.00216	0.96295	0.048357	0.29703	-0.08688
-0.02401	0.60478	0.056555	0.22252	0.151937	0.00099	-0.03754	0.41826	0.117608
-0.01934	0.67677	0.047738	0.30327	0.088812	0.05513	0.073962	0.11043	0.004969
-0.14627	0.00153	-0.06157	0.18408	-0.06132	0.1859	-0.15156	0.00102	-0.12384
-0.01377	0.76669	0.096197	0.0377	0.108778	0.0187	-0.03644	0.43207	-0.17228
0.208015	5.82E-06	0.163183	0.0004	0.164592	0.00035	0.06529	0.15894	0.044646
-0.1932	2.63E-05	-0.18864	4.09E-05	-0.18895	3.97E-05	-0.19484	2.23E-05	-0.02818
-0.01968	0.67143	0.003075	0.94716	0.043204	0.35155	-0.06748	0.14537	-0.09908
0.020787	0.65411	-0.15668	0.00068	-0.02318	0.6173	-0.25422	2.54E-08	-0.0659
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0.089421	0.05347	-0.00474	0.91863	0.103111	0.02587	-0.09501	0.04015	-0.00012
-0.05486	0.23667	-0.05862	0.20602	-0.04936	0.28716	-0.2267	7.40E-07	-0.18806
0.112718	0.01481	0.034042	0.46302	0.053726	0.24656	0.063194	0.17278	-0.11368
0.0921	0.04668	-0.06969	0.13262	-0.06672	0.14997	0.025564	0.5816	-0.2703
0.287862	2.32E-10	0.218297	1.91E-06	0.164725	0.00035	0.250139	4.29E-08	0.459958
0.102049	0.02744	0.176865	0.00012	0.191105	3.22E-05	0.128421	0.00545	-0.03713
0.042739	0.35677	0.052101	0.26116	0.012043	0.7952	0.036573	0.43041	0.0546
0.014966	0.74701	-0.20268	1.01E-05	-0.32876	3.12E-13	0.085094	0.06617	0.06592
0.260293	1.14E-08	0.195427	2.11E-05	0.154263	0.00082	0.301103	3.05E-11	0.333577

0.089484	0.0533	0.156579	0.00068	0.140869	0.00228	0.128763	0.00532	0.076749
-0.03402	0.46328	-0.01371	0.76769	0.008054	0.8622	-0.03873	0.40366	-0.18958
-0.03716	0.42302	-0.0857	0.06425	0.01298	0.77966	-0.08478	0.06718	-0.2526
-0.04035	0.3843	-0.16139	0.00046	-0.03821	0.41008	-0.27249	2.15E-09	-0.20281
-0.21332	3.30E-06	-0.17978	9.36E-05	-0.20493	8.03E-06	-0.19627	1.94E-05	0.071245
0.052229	0.25998	0.029356	0.52685	0.067694	0.14412	0.079657	0.08552	-0.01569
0.000956	0.98355	-0.00586	0.89941	0.030808	0.5066	0.039479	0.39466	-0.09526
0.086971	0.06039	0.049712	0.28369	0.070031	0.13074	-0.11051	0.01689	-0.08072
0.154869	0.00078	0.216386	2.36E-06	0.059455	0.19966	0.305584	1.50E-11	0.23294
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0.010893	0.81438	-0.17974	9.40E-05	-0.26927	3.36E-09	0.20262	1.02E-05	0.167874
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0.305616	1.49E-11	0.176914	0.00012	0.205267	7.76E-06	0.228016	6.36E-07	0.207829
0.206785	6.62E-06	0.223629	1.05E-06	0.142266	0.00206	0.043221	0.35136	0.178289
0.171217	0.0002	0.094989	0.04018	0.095049	0.04006	-0.01645	0.72293	-0.01351
-0.00787	0.86529	-0.26463	6.35E-09	-0.20324	9.57E-06	-0.24555	7.67E-08	-0.1723
-0.12592	0.00644	0.012507	0.78749	-0.15706	0.00066	0.003749	0.93561	0.148349
-0.0957	0.0387	-0.00285	0.95094	-0.00839	0.85659	0.02202	0.63505	0.328865
0.015386	0.74018	-0.01364	0.76879	0.025518	0.58228	-0.11632	0.01189	0.112977
-0.09415	0.04198	0.037469	0.41919	0.050877	0.27254	-0.11402	0.01368	-0.11614
0.089998	0.05194	0.101219	0.02873	0.097768	0.03467	0.202711	1.01E-05	0.155242
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0.130566	0.00471	0.131744	0.00435	0.102577	0.02665	0.081969	0.0768	-0.01454
0.066515	0.15125	0.104796	0.02352	-0.04697	0.31108	0.099118	0.03223	-0.12241
0.041471	0.37122	-0.06801	0.14223	-0.03947	0.3948	0.119444	0.00978	0.185064
0.128162	0.00554	0.084694	0.06745	0.018462	0.69068	0.059421	0.19992	-0.17979
0.069773	0.13217	0.070227	0.12967	0.03092	0.50506	-0.09101	0.04935	-0.25141
0.032344	0.48563	0.211089	4.20E-06	0.036173	0.43547	-0.05498	0.2357	-0.04767
0.074305	0.10879	0.037569	0.41795	-0.09728	0.03558	0.240796	1.38E-07	0.202928
0.015375	0.74036	0.069432	0.13407	-0.12324	0.00767	0.111838	0.01561	0.120552
0.26598	5.28E-09	0.029693	0.52211	0.160492	0.0005	0.203275	9.54E-06	0.274222
-0.07462	0.10731	-0.06488	0.16155	-0.06228	0.17906	-0.06325	0.17239	-0.16236
-0.0164	0.72368	0.042822	0.35583	-0.00785	0.86561	0.044298	0.33948	0.111901
0.067205	0.14704	0.020699	0.65548	-0.00567	0.90268	0.115001	0.01289	-0.04919
-0.0118	0.79918	0.137271	0.00295	0.147397	0.0014	-0.11925	0.0099	-0.04163
0.094473	0.04128	0.294419	8.60E-11	0.314079	3.77E-12	0.033886	0.46506	0.093235
0.150001	0.00115	-0.17009	0.00022	-0.04523	0.32939	-0.02214	0.63312	-0.0765
-0.25453	2.44E-08	-0.20195	1.09E-05	-0.18742	4.59E-05	-0.28238	5.20E-10	-0.23469
-0.23255	3.74E-07	-0.21674	2.27E-06	-0.13155	0.00441	-0.3214	1.11E-12	-0.31602
0.144663	0.00172	0.200031	1.33E-05	0.169879	0.00023	0.140509	0.00234	0.153982
-0.11647	0.01178	-0.01373	0.76721	-0.01395	0.76362	-0.07155	0.12256	0.005688
0.289997	1.68E-10	0.136125	0.0032	0.003087	0.94696	0.248845	5.06E-08	0.042791
-0.00935	0.84025	0.079229	0.08722	0.001485	0.97447	0.025524	0.5822	0.35141
-0.0243	0.60036	-0.24038	1.46E-07	-0.17198	0.00019	-0.14093	0.00227	-0.20589
0.100429	0.03001	-0.28501	3.54E-10	-0.23254	3.74E-07	-0.07383	0.11107	-0.12653



-0.18954	3.75E-05	0.033181	0.47442	-0.13521	0.00342	-0.08489	0.06681	-0.11826
-0.04361	0.34701	-0.0909	0.04962	-0.29153	1.33E-10	-0.01602	0.72994	0.094992
0.184252	6.19E-05	0.185842	5.33E-05	0.192801	2.73E-05	-0.0144	0.75633	0.075308
-0.06796	0.14251	-0.09622	0.03766	-0.07729	0.09525	0.177955	0.00011	-0.2327
0.167772	0.00027	0.179091	9.97E-05	0.157071	0.00066	-0.00614	0.89465	0.039933
0.140283	0.00238	0.071208	0.12438	0.05227	0.25961	0.190011	3.58E-05	0.057182
0.076809	0.09735	-0.12009	0.00939	-0.03918	0.39828	-0.17559	0.00014	-0.37352
0.17445	0.00015	0.053925	0.24481	0.192592	2.79E-05	-0.06536	0.1585	-0.10674
0.089307	0.05378	0.179764	9.38E-05	0.093387	0.04368	0.20063	1.25E-05	0.216192
0.072924	0.11554	0.093431	0.04358	0.113803	0.01387	0.002731	0.95306	-0.08676
0.069567	0.13332	0.032727	0.48048	0.010498	0.82099	0.050839	0.2729	-0.02863
-0.17265	0.00018	-0.22649	7.58E-07	-0.36046	8.94E-16	-0.16997	0.00022	-0.08656
-0.05527	0.23323	-0.06589	0.15516	0.033046	0.47621	-0.0035	0.93989	-0.0493
-0.02339	0.61418	-0.08064	0.0817	0.013938	0.76387	-0.0687	0.13825	-0.18434
-0.09607	0.03796	-0.12286	0.00786	0.018944	0.68304	-0.07373	0.11154	-0.06186
-0.10737	0.0203	-0.05314	0.25172	-0.03272	0.48056	0.036929	0.42593	0.186049
0.029316	0.52741	0.013312	0.77418	0.063696	0.16938	-0.00542	0.90696	-0.06887
-0.02632	0.5705	-0.02611	0.57353	0.040122	0.38701	-0.08052	0.08217	-0.08199
-0.00913	0.84394	-0.02728	0.55647	0.010551	0.82011	-0.01697	0.71447	0.064691
0.110677	0.01673	-0.05654	0.22263	0.083879	0.07015	-0.11581	0.01227	-0.27718
0.03948	0.39465	0.085876	0.0637	0.1651	0.00034	0.03721	0.42241	-0.05519
0.031678	0.49466	0.068362	0.14019	0.053407	0.24938	-0.13452	0.00359	-0.13787
0.060034	0.19531	0.081082	0.08005	0.03799	0.41275	0.150397	0.00111	0.070123
0.040881	0.37808	0.122042	0.00829	0.106993	0.02075	0.048394	0.29666	0.017374
0.115037	0.01286	0.040971	0.37703	0.023781	0.60823	0.091552	0.04801	-0.2216
0.027289	0.55636	-0.0169	0.71574	0.011317	0.80729	-0.03087	0.50576	-0.13798
0.213395	3.27E-06	-0.01834	0.69269	0.02531	0.58536	0.057179	0.21745	0.057072
0.23036	4.84E-07	0.149015	0.00124	0.287001	2.63E-10	0.045109	0.3307	-0.19273
0.037517	0.4186	0.092815	0.04499	0.111879	0.01557	-0.02252	0.62738	0.025926
-0.01804	0.69736	-0.01715	0.7117	0.020299	0.66172	0.080689	0.08153	0.075216
-0.06582	0.15557	-0.02127	0.64664	-0.03296	0.47741	0.003938	0.93236	0.073397
0.011112	0.81073	-0.05991	0.19626	-0.01933	0.67697	-0.05131	0.26848	-0.26301
-0.06945	0.134	-0.00138	0.97631	0.046394	0.3171	-0.14725	0.00142	-0.0082
0.026105	0.57362	0.048383	0.29677	0.013839	0.7655	-0.09426	0.04174	-0.10244
0.05003	0.28062	0.202349	1.05E-05	0.079999	0.08418	0.000969	0.98334	-0.03056
-0.27921	8.24E-10	-0.06957	0.13332	-0.16164	0.00045	-0.10998	0.01743	0.068185
-0.09709	0.03596	0.016121	0.72823	-0.02655	0.56717	-0.0363	0.43382	-0.01428
0.091668	0.04772	0.133727	0.00379	0.218276	1.92E-06	-0.00041	0.99296	0.061596
0.123538	0.00752	0.011582	0.80288	0.083798	0.07042	0.085196	0.06584	-0.0347
0.024019	0.60464	0.010847	0.81515	-0.00462	0.92072	-0.05079	0.27339	-0.13067
-0.00028	0.99514	0.019094	0.68067	0.046739	0.31351	0.052001	0.26208	-0.03073
-0.18873	4.05E-05	-0.13872	0.00266	-0.10268	0.0265	-0.07894	0.08838	0.048837
0.160222	0.00051	0.073956	0.11046	0.124386	0.00712	-0.10356	0.02522	-0.08596
0.078928	0.08843	0.212295	3.69E-06	-0.07646	0.0989	0.178115	0.00011	0.358508
0.058098	0.21013	0.045217	0.32954	0.020116	0.66459	-0.00296	0.94917	0.014874

0.007941	0.86411	-0.01957	0.67315	-0.02986	0.51975	-0.09558	0.03896	-0.1434
-0.04136	0.37255	-0.13029	0.0048	-0.08927	0.05388	-0.06922	0.13529	-0.10766
-0.02604	0.57463	-0.10463	0.02374	-0.11	0.01741	-0.06176	0.18277	-0.05517
-0.01494	0.74753	-0.17201	0.00019	-0.31601	2.74E-12	0.066682	0.15022	-0.1294
-0.2639	7.02E-09	0.062188	0.17973	0.013704	0.76772	-0.06914	0.13573	-0.10101
0.043026	0.35354	0.05764	0.21376	-0.00171	0.97059	-0.0072	0.87674	0.099217
-0.00476	0.91822	0.00771	0.86802	-0.2201	1.57E-06	0.152059	0.00098	0.116014
0.098808	0.03278	0.096444	0.03721	0.022167	0.63279	0.031555	0.49634	0.325305
0.145968	0.00156	-0.14902	0.00124	-0.27087	2.69E-09	-0.02051	0.65841	-0.05457
0.086832	0.0608	-0.04138	0.37227	-0.0765	0.0987	-0.07479	0.10648	-0.06203
-0.20549	7.58E-06	-0.03187	0.49205	-0.07206	0.11995	-0.11008	0.01733	-0.14518
0.002732	0.95304	0.138307	0.00274	0.055281	0.23313	0.049829	0.28256	0.034795
0.0477	0.30366	0.03166	0.49491	0.065346	0.15858	-0.00876	0.85025	-0.11886
0.374311	5.59E-17	0.264802	6.20E-09	0.156951	0.00066	0.299013	4.23E-11	0.250529
0.175267	0.00014	0.256535	1.87E-08	0.02375	0.6087	0.192258	2.88E-05	0.260891
-0.02923	0.52863	0.111075	0.01633	0.055084	0.2348	0.004868	0.91644	-0.01255
0.003411	0.94139	-0.25241	3.21E-08	-0.19964	1.38E-05	-0.01501	0.74635	-0.16574
0.330311	2.38E-13	0.293412	1.00E-10	0.204317	8.57E-06	0.190477	3.42E-05	0.254375
-0.13642	0.00314	-0.20558	7.51E-06	-0.18695	4.80E-05	-0.18643	5.05E-05	-0.25821
-0.12654	0.00618	-0.03357	0.46927	-0.006	0.89711	-0.11099	0.01642	-0.13373
-0.0531	0.25215	0.048407	0.29654	0.012756	0.78337	0.004071	0.93008	-0.05706
-0.15647	0.00069	-0.07969	0.08537	-0.30999	7.37E-12	0.068508	0.13934	-0.04102
0.126316	0.00627	0.189243	3.86E-05	-0.05118	0.26967	0.0855	0.06488	0.22454
-0.07514	0.10487	-0.05389	0.24509	-0.01596	0.73085	-0.07924	0.08716	-0.15202
0.057201	0.21727	-0.01906	0.68117	-0.00147	0.97468	0.028503	0.53894	-0.06225
0.049317	0.28754	0.096106	0.03788	0.028165	0.54375	-0.09885	0.03271	-0.08966
-0.24883	5.07E-08	-0.26143	9.78E-09	-0.30862	9.20E-12	-0.40746	4.18E-20	-0.2303
-0.15728	0.00065	-0.18492	5.81E-05	-0.26352	7.38E-09	0.02593	0.5762	-0.0017
-0.06485	0.16174	-0.32469	6.30E-13	-0.20026	1.30E-05	-0.26054	1.10E-08	-0.3635
0.040965	0.37709	-0.12625	0.0063	-0.21558	2.58E-06	-0.02343	0.61347	-0.29454
-0.27281	2.05E-09	-0.25761	1.63E-08	-0.28423	3.97E-10	-0.16607	0.00031	-0.27808
-0.19266	2.77E-05	-0.19778	1.67E-05	-0.2046	8.32E-06	-0.0979	0.03443	-0.15904
-0.01685	0.71643	-0.10949	0.01794	-0.08749	0.05886	-0.32372	7.45E-13	-0.27391
0.071403	0.12335	0.012193	0.79271	0.115941	0.01217	-0.04577	0.32362	0.200744
-0.06218	0.17981	-0.07119	0.12446	-0.04883	0.29231	0.000924	0.98411	-0.0726
-0.00352	0.93954	0.06806	0.14196	0.036864	0.42675	-0.09181	0.04737	-0.1527
0.229251	5.51E-07	0.044051	0.34219	0.089645	0.05287	0.092383	0.04601	-0.19264
0.221	1.42E-06	0.052569	0.2569	0.160828	0.00048	0.054696	0.23812	0.071785
-0.08149	0.07854	0.022896	0.62163	-0.02093	0.65185	-0.06306	0.17369	0.013465
-0.05626	0.22497	-0.02895	0.53257	-0.1464	0.00151	-0.01253	0.78717	0.047213
-0.1198	0.00956	-0.01948	0.67459	0.028679	0.53643	-0.14843	0.0013	-0.14073
-0.0175	0.70603	-0.00685	0.88258	-0.00046	0.99206	-0.04331	0.35035	-0.05303
0.013202	0.77599	0.126273	0.00629	0.154039	0.00084	-0.10902	0.01844	-0.0378
-0.01797	0.69847	-0.06527	0.15907	-0.03382	0.46592	-0.06079	0.18971	-0.14291
-0.01072	0.81729	-0.12528	0.00671	-0.12044	0.00918	-0.13379	0.00377	-0.21112

-0.0239	0.60648	0.324394	6.64E-13	0.189207	3.87E-05	0.011126	0.81048	0.099494
-0.1757	0.00014	-0.17852	0.00011	-0.18061	8.68E-05	-0.0681	0.14172	-0.02485
-0.08971	0.05271	0.027609	0.55175	-0.02662	0.56602	-0.12039	0.00921	-0.11418
-0.03714	0.42335	-0.04158	0.37002	-0.0452	0.32971	-0.14026	0.00238	-0.12376
0.077636	0.09378	0.115377	0.0126	0.122768	0.00791	0.020706	0.65537	0.150021
-0.15854	0.00058	-0.05574	0.22929	-0.03242	0.48458	-0.0903	0.05115	-0.18514
0.033949	0.46424	-0.05254	0.25713	-0.23025	4.90E-07	0.118975	0.01007	0.10821
0.035078	0.4495	0.105416	0.02271	0.056648	0.22176	0.04694	0.31143	0.051294
0.052681	0.25588	-0.01519	0.74331	-0.04008	0.3875	0.04881	0.29253	-0.02493
-0.14208	0.00209	-0.20282	1.00E-05	-0.19231	2.87E-05	-0.13332	0.0039	-0.19615
0.305201	1.59E-11	0.066992	0.14833	0.254064	2.59E-08	0.109659	0.01776	-0.08622
0.054319	0.24137	-0.0064	0.89031	-0.01591	0.73164	0.084555	0.06791	-0.02147
0.059887	0.19641	0.122877	0.00785	-0.05225	0.25976	0.132559	0.00411	0.199108
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-0.04633	0.31778	-0.05218	0.26047	-0.04278	0.3563	-0.04625	0.3186	0.121676
-0.2883	2.17E-10	-0.12547	0.00663	-0.12106	0.00883	-0.22403	1.01E-06	-0.01732
-0.15151	0.00102	-0.17636	0.00013	-0.1521	0.00098	-0.14166	0.00215	-0.10082
0.171942	0.00019	0.205526	7.55E-06	0.180047	9.14E-05	-0.10693	0.02082	-0.04454
-0.01253	0.78712	-0.1736	0.00016	-0.0653	0.15885	-0.1785	0.00011	-0.12684
0.014689	0.75155	0.178636	0.0001	0.120857	0.00894	0.185211	5.66E-05	0.149084
0.028648	0.53686	-0.1052	0.02299	-0.02713	0.55865	-0.048	0.30065	-0.10245
0.015747	0.7343	0.021686	0.64018	0.021707	0.63987	0.000521	0.99104	-0.08363
-0.26554	5.61E-09	-0.30979	7.61E-12	-0.27569	1.36E-09	-0.27329	1.92E-09	-0.33499
-0.07925	0.08712	0.069515	0.13361	0.085422	0.06512	0.025576	0.58142	0.11217
0.097497	0.03518	0.210617	4.41E-06	0.069519	0.13359	0.093542	0.04333	0.024923
0.237656	2.03E-07	0.228237	6.20E-07	0.259825	1.21E-08	0.2125	3.61E-06	0.327381
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0.22378	1.03E-06	0.229259	5.50E-07	0.229325	5.46E-07	0.00711	0.87822	-0.01374
0.081422	0.07879	0.077781	0.09317	0.150719	0.00109	0.031555	0.49634	0.066883
0.053489	0.24865	0.032223	0.48727	0.105246	0.02293	0.022332	0.63025	0.043484
-0.19117	3.20E-05	-0.05367	0.24703	-0.02517	0.58742	0.033305	0.47276	0.191671
0.04911	0.28957	0.200544	1.26E-05	0.187347	4.62E-05	0.07319	0.11421	0.436382
0.150535	0.0011	0.326425	4.68E-13	0.273745	1.80E-09	0.066128	0.15365	0.177283
0.206862	6.57E-06	0.344891	1.72E-14	0.244246	9.03E-08	0.236682	2.28E-07	0.223499
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-0.10358	0.0252	0.058104	0.21008	-0.06562	0.15685	0.087244	0.05958	0.17046
0.128074	0.00558	0.185606	5.45E-05	0.162413	0.00043	0.011795	0.79933	-0.08262
-0.01251	0.78737	-0.0171	0.7124	0.034847	0.4525	-0.1754	0.00014	-0.05647
0.110461	0.01694	0.207298	6.27E-06	0.268789	3.59E-09	0.040991	0.37679	-0.06326
0.084568	0.06786	0.227531	6.72E-07	0.081877	0.07713	0.122077	0.00827	0.170305
-0.0251	0.58848	-0.22083	1.44E-06	-0.2251	8.90E-07	-0.04644	0.3166	-0.02595
0.045279	0.32888	0.049655	0.28424	0.079848	0.08477	0.087265	0.05952	-0.02056
0.045515	0.32636	0.252859	3.03E-08	0.08479	0.06714	0.193772	2.48E-05	0.377857
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-0.07206	0.11991	0.011989	0.7961	0.044352	0.33889	-0.16411	0.00037	-0.06066
0.063254	0.17237	0.110425	0.01698	0.157426	0.00064	0.051567	0.26608	0.042805
-0.09751	0.03516	-0.20513	7.87E-06	-0.16636	0.00031	-0.04892	0.29142	-0.00185
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0.08709	0.06003	0.106912	0.02084	0.090644	0.05028	-0.02345	0.61328	-0.00495
0.196096	1.97E-05	0.05124	0.26913	-0.2311	4.43E-07	0.143498	0.00188	0.155634
0.239537	1.61E-07	0.27895	8.56E-10	0.150099	0.00114	0.286589	2.80E-10	0.46491
-0.04076	0.37952	0.105101	0.02312	0.095149	0.03984	-0.03442	0.45799	-0.12211
-0.03264	0.48171	0.001315	0.9774	-0.02529	0.58561	0.121269	0.00871	0.10637
-0.03647	0.43166	0.088504	0.05598	0.047214	0.30862	0.133847	0.00376	0.361888
0.209097	5.19E-06	0.148177	0.00132	0.118552	0.01034	0.115255	0.01269	-0.01499
0.250794	3.95E-08	0.049485	0.2859	0.103025	0.02599	0.16988	0.00023	0.117441
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-0.02672	0.56466	-0.20021	1.30E-05	-0.14307	0.00194	0.014854	0.74884	-0.02761
0.237299	2.12E-07	0.050462	0.27648	0.260051	1.18E-08	0.072614	0.1171	0.147341
0.087743	0.05813	0.025049	0.58923	0.032086	0.48913	0.113653	0.01399	0.062509
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0.020674	0.65587	-0.07286	0.11585	-0.04891	0.29158	0.052485	0.25766	-0.15719
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0.096657	0.03679	0.029282	0.52789	0.079817	0.08489	-0.06962	0.133	-0.19544
0.065929	0.15489	0.259683	1.24E-08	0.319772	1.46E-12	0.11587	0.01222	0.149476
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0.061113	0.18739	0.052134	0.26086	0.108607	0.01889	-0.06758	0.14482	-0.19996
-0.12224	0.00818	-0.06328	0.17218	-0.03657	0.43047	-0.13362	0.00382	-0.13779
0.009754	0.8335	0.102283	0.02709	0.016464	0.72269	0.168269	0.00026	0.080575
-0.03713	0.42346	-0.04197	0.36551	0.030483	0.5111	-0.11518	0.01275	-0.15618
-0.02795	0.54687	-0.0162	0.72704	0.008597	0.85301	-0.05069	0.27428	-0.06567
0.110682	0.01672	-0.04424	0.34006	-0.01012	0.82741	-0.07222	0.11909	-0.2309
0.127201	0.00591	-0.01769	0.70298	0.033637	0.46835	0.079408	0.0865	-0.11415
-0.03838	0.40794	-0.05343	0.24918	-0.0346	0.45573	-0.0548	0.23726	-0.15973
-0.0374	0.42001	0.006565	0.88748	0.085492	0.0649	-0.08639	0.06211	-0.22416
0.169744	0.00023	0.15624	0.0007	0.205359	7.69E-06	0.211893	3.85E-06	0.259096
-0.00266	0.95426	0.075313	0.10406	0.044981	0.33208	0.050924	0.2721	-0.01174
0.04079	0.37914	0.146116	0.00154	0.197424	1.73E-05	0.037166	0.42297	0.051872
0.091231	0.0488	0.138777	0.00265	0.17138	0.0002	0.051276	0.2688	0.069581
0.121484	0.00859	0.088512	0.05595	0.128939	0.00526	0.026586	0.56658	-0.04902
-0.00267	0.95412	-0.07891	0.08852	-0.06482	0.16196	-0.03155	0.49643	-0.1969
0.075536	0.10304	-0.00889	0.84805	0.008691	0.85142	-0.04387	0.3442	-0.13862
0.140512	0.00234	0.06606	0.15407	0.093651	0.04309	-0.01596	0.73084	-0.10342
0.050382	0.27724	-0.0732	0.11416	-0.02606	0.57433	-0.12847	0.00543	-0.17406
-0.27656	1.21E-09	-0.1657	0.00032	-0.26269	8.25E-09	-0.11755	0.01101	-0.12088
-0.07888	0.08861	-0.1231	0.00774	-0.09269	0.04529	-0.07753	0.09422	-0.2034

0.214402	2.93E-06	0.170609	0.00021	0.218822	1.81E-06	0.125607	0.00657	-0.00955
0.017439	0.707	0.086395	0.06211	0.095234	0.03967	-0.02437	0.59931	-0.11899
-0.06812	0.14159	-0.11124	0.01617	-0.12821	0.00553	0.005908	0.89869	-0.19928
-0.00751	0.87135	-0.19228	2.88E-05	-0.13681	0.00305	-0.01672	0.71863	-0.23524
0.20231	1.05E-05	0.282376	5.21E-10	0.254213	2.54E-08	0.164886	0.00035	0.067528
0.036978	0.42532	0.05726	0.2168	0.054858	0.23673	0.001937	0.9667	-0.06624
0.091199	0.04888	-0.0189	0.68377	0.05586	0.22826	-0.00487	0.91642	-0.21357
-0.1185	0.01038	-0.19762	1.70E-05	-0.12704	0.00598	-0.02186	0.63746	-0.0568
0.369559	1.47E-16	0.049142	0.28926	0.159984	0.00052	0.173415	0.00017	0.288141
-0.16826	0.00026	-0.25283	3.04E-08	-0.23468	2.90E-07	-0.12913	0.00519	-0.20478
-0.23658	2.31E-07	-0.09746	0.03525	-0.08274	0.07405	-0.17179	0.00019	-0.02289
-0.01768	0.70319	-0.05794	0.21138	-0.01666	0.71949	-0.01395	0.76368	0.13912
-0.01319	0.77616	0.042581	0.35855	0.089713	0.05269	-0.03242	0.48468	0.092215
0.007939	0.86414	-0.04157	0.37014	0.130105	0.00486	-0.26454	6.43E-09	-0.26506
-0.1477	0.00137	-0.10344	0.0254	-0.0861	0.06302	-0.007	0.88002	0.146103
-0.06908	0.13604	0.026167	0.57271	0.054199	0.24242	0.094567	0.04108	0.069481
-0.14889	0.00125	-0.03106	0.50317	-0.05915	0.20196	-0.02047	0.65911	-0.08104
0.020254	0.66242	-0.10787	0.01972	-0.01962	0.67233	0.027081	0.55938	0.200089
-0.03038	0.51252	-0.04301	0.35375	0.053435	0.24913	-0.0822	0.07597	-0.07095
0.072087	0.11979	0.309024	8.61E-12	0.220503	1.50E-06	0.101077	0.02896	0.422534
-0.12966	0.00501	-0.09211	0.04667	0.003642	0.93743	-0.22821	6.22E-07	-0.24376
-0.03221	0.4875	-0.06189	0.18185	-0.05841	0.20771	0.080089	0.08383	-0.11672
0.082194	0.07599	0.06079	0.18973	0.049318	0.28753	-0.06185	0.18212	-0.18928
0.213924	3.09E-06	0.04566	0.32482	0.169303	0.00024	0.1189	0.01012	-0.05798
0.038753	0.40342	0.033377	0.4718	0.090807	0.04986	0.08205	0.0765	0.028379
0.14071	0.00231	0.100594	0.02974	0.064755	0.16239	0.038909	0.40153	0.092795
0.154998	0.00078	0.089686	0.05276	0.093065	0.04442	0.137931	0.00282	-0.07081
0.052384	0.25858	0.069831	0.13185	0.100679	0.0296	-0.10727	0.02042	-0.0643
0.214109	3.03E-06	0.203593	9.23E-06	0.314102	3.75E-12	0.105998	0.02197	0.325893
-0.25731	1.69E-08	-0.14389	0.00183	-0.24691	6.47E-08	-0.22645	7.62E-07	-0.08044
-0.19065	3.37E-05	0.085712	0.06421	0.068874	0.13724	-0.01945	0.6751	0.169622
0.000226	0.99612	0.059118	0.20222	0.145113	0.00167	-0.12092	0.0089	-0.08435
0.106848	0.02092	0.0759	0.10138	0.052932	0.25362	-0.00244	0.95801	-0.04906
0.000263	0.99548	0.031919	0.49139	-0.00213	0.96334	-0.07047	0.12831	-0.16887
0.10185	0.02775	-0.09328	0.04394	-0.10318	0.02576	-0.03815	0.41077	-0.08452
-0.2806	6.74E-10	-0.15844	0.00059	-0.22969	5.23E-07	-0.02834	0.54119	-0.04427
0.171567	0.0002	-0.05041	0.27696	-0.00984	0.83203	0.136971	0.00302	0.163028
0.054323	0.24134	-0.04543	0.32727	0.143462	0.00188	-0.12999	0.0049	-0.25311
-0.06087	0.18911	-0.177	0.00012	-0.16675	0.0003	-0.06206	0.18062	-0.0313
-0.08168	0.07785	-0.06252	0.17743	-0.08694	0.06049	0.035688	0.44166	-0.0224
-0.04076	0.37944	-0.05171	0.26472	-0.1501	0.00114	-0.08047	0.08238	-0.14651
0.175695	0.00014	0.157636	0.00063	0.082903	0.07348	0.156714	0.00068	0.117308
0.205027	7.96E-06	0.337545	6.58E-14	0.25099	3.85E-08	0.214553	2.89E-06	0.215757
-0.25801	1.54E-08	-0.1293	0.00513	-0.10763	0.01999	-0.14176	0.00213	-0.16576
0.210294	4.57E-06	0.192933	2.70E-05	0.053561	0.24801	0.049562	0.28514	-0.00699

0.072607	0.11714	0.055675	0.22981	0.04456	0.33663	0.01762	0.7041	-0.07267
-0.34013	4.12E-14	-0.22108	1.40E-06	-0.29585	6.90E-11	-0.17737	0.00012	-0.17983
-0.04318	0.35184	-0.11776	0.01087	-0.08787	0.05775	-0.16131	0.00047	-0.17502
0.125131	0.00678	0.015785	0.73368	0.015442	0.73926	0.07513	0.10491	0.043197
0.006217	0.8934	-0.0542	0.24244	0.001355	0.9767	-0.08258	0.0746	-0.17157
0.25195	3.40E-08	0.320196	1.36E-12	0.272118	2.26E-09	0.155606	0.00074	0.138696
-0.02118	0.64808	0.231403	4.28E-07	-0.04932	0.28751	0.141736	0.00214	0.185344
0.028807	0.53461	0.155156	0.00077	0.104123	0.02444	0.037758	0.41561	0.010175
-0.1827	7.16E-05	-0.18758	4.52E-05	-0.32706	4.20E-13	-0.09912	0.03223	-0.09168
0.117606	0.01097	0.004907	0.91578	0.046796	0.31292	-0.05569	0.22965	-0.10709
-0.14119	0.00223	-0.15188	0.00099	-0.11112	0.01629	-0.26302	7.90E-09	-0.25208
-0.02719	0.55785	0.164434	0.00036	-0.17762	0.00011	0.199388	1.42E-05	0.287558
0.107329	0.02035	0.024281	0.60071	0.005914	0.89857	-0.08929	0.05382	-0.24745
-0.11462	0.01319	-0.06648	0.15146	-0.04658	0.31521	0.001625	0.97207	-0.01997
0.020426	0.65974	-0.06054	0.19154	-0.04804	0.30019	-0.06656	0.15095	-0.18149
0.027603	0.55183	-0.06435	0.16507	0.011391	0.80606	-0.01626	0.72598	-0.18457
-0.04093	0.37754	0.027412	0.55458	0.026868	0.56247	0.06349	0.17077	-0.0469
-0.13431	0.00364	-0.15267	0.00093	-0.06332	0.17194	-0.0104	0.82266	0.059241
-0.06412	0.16656	0.044215	0.34039	-0.01985	0.6687	0.046638	0.31456	-0.00437
0.073485	0.11276	0.041022	0.37643	0.023938	0.60586	0.098353	0.0336	0.002282
0.151038	0.00106	0.212861	3.47E-06	0.22372	1.04E-06	0.047691	0.30375	0.244448
0.256479	1.89E-08	0.248633	5.20E-08	0.280231	7.11E-10	0.14456	0.00174	0.142813
0.146919	0.00145	0.04123	0.37402	0.107166	0.02054	0.106015	0.02194	0.132122
-0.07915	0.08754	-0.1876	4.51E-05	-0.12828	0.0055	-0.1589	0.00057	-0.28926
0.039014	0.40026	-0.0279	0.54752	0.051751	0.26438	-0.17662	0.00012	-0.15013
0.175693	0.00014	-0.02108	0.64955	0.045525	0.32626	0.049198	0.2887	-0.11349
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0.063411	0.1713	0.169326	0.00024	0.190854	3.30E-05	0.097929	0.03437	0.155486
-0.0884	0.05627	-0.11147	0.01595	-0.03951	0.39432	-0.10356	0.02523	-0.1196
-0.03674	0.42826	-0.09184	0.0473	0.001223	0.97897	-0.0963	0.0375	0.025314
-0.02213	0.63342	-0.04025	0.38543	0.052296	0.25937	-0.07751	0.09433	0.002252
-0.07733	0.09508	0.047663	0.30403	0.070801	0.12655	-0.21836	1.90E-06	-0.19413
0.189841	3.64E-05	-0.18075	8.57E-05	0.025241	0.58638	0.098527	0.03328	0.000531
-0.09998	0.03075	-0.24355	9.85E-08	-0.39462	7.49E-19	-0.06995	0.1312	-0.16384
0.073708	0.11167	0.19868	1.52E-05	0.185897	5.30E-05	0.224456	9.57E-07	0.32673
0.174603	0.00015	0.290156	1.64E-10	0.199478	1.41E-05	0.115353	0.01262	0.353796
0.051607	0.26571	0.217934	1.99E-06	0.047838	0.30226	0.184147	6.25E-05	0.434841
-0.05978	0.19721	-0.01394	0.76387	0.012483	0.7879	0.011032	0.81205	0.00753
0.090329	0.05108	0.146243	0.00153	0.067541	0.14503	0.020056	0.66553	0.038711
-0.15542	0.00075	-0.04683	0.3126	-0.18108	8.31E-05	0.071064	0.12515	0.113258
-0.35357	3.38E-15	-0.22715	7.03E-07	-0.21331	3.30E-06	-0.21254	3.59E-06	-0.14544
0.177379	0.00012	0.097856	0.03451	-0.00885	0.84866	0.141718	0.00214	0.017214
0.045246	0.32923	-0.12081	0.00897	-0.05302	0.25283	0.010193	0.82612	-0.05836
0.257038	1.75E-08	0.108047	0.01952	0.188492	4.15E-05	-0.03298	0.47708	-0.03424
0.181725	7.83E-05	0.183379	6.72E-05	0.170411	0.00022	0.095875	0.03835	0.015321

0.085724	0.06418	0.15026	0.00113	0.169371	0.00024	0.074813	0.10639	0.069734
-0.2406	1.42E-07	-0.1996	1.39E-05	-0.15254	0.00094	-0.12603	0.00639	-0.13112
-0.02875	0.5354	-0.07954	0.08598	-0.00867	0.85184	-0.23536	2.68E-07	-0.08594
0.068384	0.14006	0.073457	0.11289	0.094878	0.04042	-0.00418	0.92815	0.05066
0.075736	0.10213	0.050861	0.2727	0.074262	0.10899	-0.02654	0.56722	-0.0518
0.076312	0.09954	0.208452	5.56E-06	0.188013	4.34E-05	-0.00135	0.97673	-0.00379
0.272218	2.23E-09	0.224051	1.00E-06	0.203244	9.57E-06	0.180454	8.80E-05	0.0402
0.085243	0.06569	0.023856	0.60709	0.06314	0.17315	0.013033	0.77878	-0.12348
-0.0806	0.08189	-0.07196	0.12043	-0.03308	0.47579	-0.0509	0.27228	-0.15038
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0.186245	5.13E-05	-0.01934	0.67674	0.094972	0.04022	0.003921	0.93266	-0.12846
-0.03791	0.41374	0.073072	0.1148	0.075422	0.10356	0.002569	0.95585	-0.06741
0.190097	3.55E-05	0.1158	0.01227	0.206853	6.58E-06	-0.12195	0.00833	-0.17519
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0.04874	0.29322	0.022986	0.62027	0.105317	0.02284	-0.0208	0.6539	-0.00191
-0.0666	0.15074	-0.19101	3.25E-05	-0.15298	0.00091	-0.23797	1.95E-07	-0.28359
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0.225283	8.71E-07	-0.0528	0.25482	-0.14034	0.00237	0.050513	0.27599	0.024562
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0.109571	0.01785	0.185058	5.74E-05	0.018621	0.68815	0.015258	0.74227	0.078959
0.05533	0.23271	-0.04117	0.37467	0.003151	0.94585	-0.04892	0.2914	-0.20692
-0.108	0.01958	-0.01275	0.78353	-0.08132	0.07917	-0.08585	0.06378	-0.21491
0.12091	0.00891	0.173107	0.00017	0.249715	4.53E-08	-0.13657	0.0031	0.008837
0.022136	0.63326	-0.02607	0.57408	-0.12067	0.00905	-0.02121	0.64757	-0.10425
-0.03074	0.50748	0.013401	0.77271	0.008008	0.86298	-0.0022	0.9621	0.023068
-0.10621	0.0217	-0.03383	0.46578	-0.02928	0.52787	-0.2029	9.92E-06	-0.15026
0.014214	0.75934	0.04703	0.3105	0.038646	0.40472	0.022608	0.62604	0.07013
0.031166	0.50167	0.049741	0.28341	-0.00459	0.92112	-0.03558	0.44306	-0.00912
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0.022641	0.62553	-0.0667	0.15013	0.042283	0.36192	0.013123	0.77729	0.166263
0.038987	0.40058	-0.02973	0.52155	0.103375	0.02549	0.026666	0.56542	0.167212
-0.02085	0.65321	-0.02608	0.574	0.060607	0.19107	-0.09706	0.036	0.132083
0.03031	0.5135	-0.05082	0.27305	-0.02431	0.60033	-0.0443	0.33947	-0.15678
-0.18682	4.86E-05	-0.17274	0.00018	-0.14522	0.00165	-0.21895	1.78E-06	-0.18982
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0.023336	0.61495	-0.01047	0.8214	-0.05008	0.28016	0.1704	0.00022	0.057895
-0.07789	0.09272	-0.08939	0.05356	-0.09286	0.04488	-0.01627	0.72584	0.093155
-0.12568	0.00654	-0.10271	0.02645	-0.10837	0.01915	-0.03515	0.44862	0.081604
0.065941	0.15481	0.042727	0.3569	0.069986	0.13099	-0.15693	0.00067	-0.21156
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-0.07539	0.10373	-0.10876	0.01872	-0.08653	0.06171	-0.13071	0.00467	-0.25689
0.143963	0.00181	0.013345	0.77363	-0.0545	0.23982	0.086029	0.06323	-0.25225
0.13842	0.00272	-0.03541	0.44524	0.031106	0.50249	0.110718	0.01668	0.055389
0.104888	0.0234	0.163793	0.00038	0.179386	9.71E-05	0.038368	0.40811	0.001517

-0.06037	0.19285	-0.1299	0.00493	-0.12247	0.00806	-0.02761	0.55172	-0.09926
-0.04336	0.34985	0.042054	0.36453	-0.06602	0.1543	-0.05069	0.27434	-0.2813
-0.31147	5.79E-12	-0.1949	2.22E-05	-0.17463	0.00015	-0.22203	1.26E-06	-0.1655
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0.002626	0.95486	0.088785	0.0552	0.02329	0.61565	0.037193	0.42262	0.073902
0.037616	0.41737	0.174263	0.00015	0.146453	0.00151	0.14917	0.00122	0.222596
-0.07468	0.107	0.052824	0.25459	-0.02126	0.64677	-0.02037	0.66065	0.061215
-0.01195	0.79675	0.082319	0.07554	-0.00191	0.96724	0.042475	0.35975	0.142185
0.132853	0.00403	0.281368	6.03E-10	0.213851	3.12E-06	0.081954	0.07685	0.217921
0.009467	0.83831	0.135168	0.00343	0.106863	0.0209	0.031683	0.4946	0.133446
-0.04748	0.30589	0.057914	0.21158	0.029218	0.52879	-0.0887	0.05543	0.105712
0.008923	0.84749	-0.00712	0.87805	-0.02101	0.65058	0.058099	0.21012	-0.02657
-0.08929	0.05383	-0.07473	0.10678	-0.05909	0.20246	-0.03326	0.47338	-0.05963
-0.06536	0.15848	-0.0795	0.08615	-0.06553	0.15739	-0.07044	0.12849	-0.14103
-0.06743	0.1457	-0.15867	0.00058	-0.11845	0.01041	-0.17978	9.36E-05	-0.27375
-0.06468	0.16285	-0.06399	0.16744	-0.01992	0.6677	-0.02654	0.5673	-0.00054
-0.07383	0.11108	-0.05414	0.24294	-0.03703	0.42464	-0.01531	0.74139	-0.00423
0.024869	0.59191	-0.02149	0.6432	-0.07953	0.08604	-0.01423	0.75904	-0.14704
0.166324	0.00031	0.172809	0.00017	0.153931	0.00085	0.059964	0.19583	0.111533
0.073072	0.1148	0.113989	0.01371	0.05691	0.21962	0.096921	0.03628	0.065571
-0.06134	0.18578	-0.04481	0.33397	-0.03648	0.43157	-0.0466	0.31498	-0.08133
0.044333	0.3391	0.215931	2.48E-06	0.131179	0.00452	0.146047	0.00155	0.111314
0.035561	0.44329	0.004885	0.91616	-0.04819	0.29873	0.019364	0.6764	-0.00101
0.008796	0.84964	-0.25036	4.17E-08	-0.04419	0.34066	-0.06191	0.18171	-0.22125
0.190404	3.45E-05	0.032242	0.48701	0.011611	0.8024	0.029002	0.53185	-0.04638
0.313172	4.37E-12	0.082255	0.07577	0.119552	0.00971	0.129858	0.00494	-0.00207
-0.1068	0.02098	0.139974	0.00243	-0.19199	2.96E-05	0.017153	0.7116	0.189565
-0.02344	0.6134	-0.22995	5.08E-07	-0.13443	0.00361	-0.08917	0.05415	-0.11709
0.126477	0.0062	0.185572	5.47E-05	0.250674	4.01E-08	0.001191	0.97952	0.054775
0.102211	0.0272	0.047677	0.30389	0.077533	0.09422	0.009718	0.8341	0.011874
-0.2209	1.43E-06	-0.30411	1.89E-11	-0.21314	3.36E-06	-0.30342	2.11E-11	-0.31624
0.21312	3.37E-06	0.172942	0.00017	0.184202	6.22E-05	0.192802	2.73E-05	0.183915
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0.078072	0.09195	-0.00067	0.98855	0.142218	0.00206	0.003765	0.93533	0.067711
0.10388	0.02477	0.088624	0.05564	0.044484	0.33746	0.108129	0.01943	-0.05791
-0.05755	0.21445	-0.1013	0.02861	-0.00387	0.9336	-0.05169	0.26493	-0.00185
-0.20447	8.43E-06	-0.07483	0.1063	-0.05203	0.26185	-0.01423	0.75902	0.042065
0.089731	0.05264	0.169313	0.00024	0.029765	0.52111	0.095575	0.03896	0.270915
0.161865	0.00045	0.229734	5.21E-07	0.224276	9.77E-07	-0.04126	0.37364	-0.00494
-0.03897	0.40082	-0.30186	2.70E-11	-0.37309	7.18E-17	-0.07925	0.08713	-0.15191
0.098032	0.03418	0.037968	0.41303	0.044944	0.33247	-0.03278	0.47975	-0.15148
-0.08396	0.06987	-0.08704	0.06018	-0.02857	0.53804	-0.1467	0.00148	-0.08971
0.181859	7.73E-05	0.191135	3.21E-05	0.217271	2.14E-06	0.070863	0.12622	-0.00794
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0.028758	0.5353	0.177104	0.00012	0.117552	0.01101	0.12897	0.00525	0.157097



0.204978	8.00E-06	0.222612	1.18E-06	0.209421	5.01E-06	0.118322	0.01049	0.092678
0.060695	0.19043	-0.02964	0.52283	0.017951	0.69882	-0.0195	0.67422	-0.00733
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0.005819	0.90019	-0.00764	0.86925	0.053394	0.2495	0.005791	0.90067	-0.04802
0.022033	0.63485	0.035896	0.43899	0.061871	0.18196	0.014023	0.76246	-0.0472
0.056049	0.22669	0.150775	0.00108	0.225082	8.91E-07	0.048762	0.293	0.049846
0.180253	8.97E-05	0.149323	0.00121	0.220999	1.42E-06	-0.02349	0.61269	-0.09486
0.16888	0.00025	0.077473	0.09448	0.075878	0.10148	0.18187	7.73E-05	0.100511
0.104607	0.02378	0.011632	0.80205	0.030041	0.51724	-0.01755	0.70522	-0.09976
0.214305	2.97E-06	0.145723	0.00159	0.187363	4.62E-05	0.13983	0.00246	-0.00926
0.124338	0.00714	0.009012	0.84599	0.072696	0.11669	-0.02087	0.65288	-0.12759
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0.160349	0.0005	0.046073	0.32046	-0.1057	0.02234	0.11842	0.01043	0.024814
0.246131	7.13E-08	0.252458	3.19E-08	0.361774	6.91E-16	-0.00839	0.85651	0.000637
0.091426	0.04832	0.035048	0.44989	0.036481	0.43157	0.107741	0.01987	0.161924
0.117173	0.01127	0.176544	0.00013	0.230738	4.63E-07	0.166878	0.00029	0.201635
0.062324	0.17878	0.05802	0.21074	0.020284	0.66195	0.077353	0.09499	-0.02067
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0.295055	7.80E-11	0.303083	2.23E-11	0.218626	1.84E-06	0.157797	0.00062	0.136888
0.134951	0.00348	0.043866	0.34422	-0.02946	0.52543	0.110334	0.01707	0.02271
0.166072	0.00031	-0.08636	0.06222	-0.06439	0.16477	0.038751	0.40345	-0.22813
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0.008342	0.85731	-0.07498	0.10561	-0.09059	0.05041	-0.03041	0.51205	-0.11802
0.19045	3.43E-05	-0.00388	0.93328	-0.08384	0.07028	0.199691	1.38E-05	0.210034
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0.072854	0.11589	0.109138	0.01831	0.111034	0.01637	0.214096	3.03E-06	0.279881
0.026546	0.56717	0.078359	0.09076	0.144735	0.00171	-0.13429	0.00364	-0.06092
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0.022762	0.62368	-0.02949	0.525	0.011337	0.80697	-0.21207	3.78E-06	-0.31555
0.199179	1.45E-05	0.233969	3.16E-07	0.276787	1.17E-09	-0.06084	0.18938	-0.00025
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0.115769	0.0123	0.060832	0.18943	0.120456	0.00917	-0.16571	0.00032	-0.11022
0.105597	0.02248	0.039901	0.38962	0.042575	0.35862	0.108562	0.01894	0.086371
0.008649	0.85212	-0.01312	0.77727	0.069204	0.13536	-0.18843	4.17E-05	-0.26518

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0.093812	0.04273	0.029454	0.52547	0.040344	0.38437	0.298499	4.58E-11	0.119093
0.037013	0.42487	0.134717	0.00354	0.139116	0.00259	-0.07483	0.10632	-0.03719
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0.045886	0.32244	0.059079	0.20252	0.051841	0.26355	-0.02582	0.57776	0.066207
0.063164	0.17298	0.048812	0.29251	0.071941	0.12054	-0.12578	0.00649	-0.10047
0.043198	0.35162	0.050146	0.2795	0.057106	0.21804	-0.05987	0.19651	0.013342
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0.120978	0.00887	0.143388	0.00189	0.173762	0.00016	-0.0128	0.78269	0.172009
0.075449	0.10343	0.059519	0.19917	-0.00033	0.99425	-0.02706	0.55974	-0.01524
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0.073412	0.11312	-0.30455	1.77E-11	-0.07364	0.112	-0.13096	0.00459	-0.21571
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0.183047	6.93E-05	0.048607	0.29454	0.181888	7.71E-05	-0.00378	0.93515	0.07707
0.239409	1.64E-07	0.044393	0.33844	0.142418	0.00203	-0.00417	0.92833	-0.17292
0.145736	0.00159	0.081378	0.07895	0.181706	7.84E-05	0.004444	0.9237	-0.20276
0.129162	0.00518	0.128751	0.00533	0.032478	0.48383	0.122996	0.00779	0.171931
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0.187534	4.54E-05	0.131113	0.00454	0.014115	0.76096	0.222235	1.23E-06	0.255328
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0.28373	4.27E-10	0.098634	0.03309	0.036608	0.42996	0.170093	0.00022	0.354909
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0.097136	0.03586	0.065006	0.16076	0.07814	0.09167	0.177989	0.00011	0.132951
0.200683	1.24E-05	0.240224	1.48E-07	0.353348	3.52E-15	0.189623	3.72E-05	0.171638
0.103082	0.02591	0.035949	0.43832	0.056854	0.22008	0.0869	0.06059	-0.04629
0.132516	0.00412	0.219799	1.62E-06	0.217724	2.04E-06	0.073528	0.11255	-0.00028
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0.07225	0.11895	0.078683	0.08943	0.075647	0.10253	-0.0434	0.3494	-0.25726
0.084086	0.06945	0.177224	0.00012	0.175423	0.00014	-0.00648	0.88891	0.022516
0.106547	0.02128	0.084046	0.06959	0.049566	0.28511	0.224698	9.31E-07	0.058731
0.096921	0.03628	0.150507	0.0011	0.164377	0.00036	0.112927	0.01462	-0.03451

0.031602	0.4957	-0.08038	0.08273	-0.19441	2.33E-05	0.088507	0.05597	-0.16812
0.136086	0.00321	0.012145	0.79351	-0.04773	0.30338	0.167036	0.00029	0.04977
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0.034372	0.45868	-0.00671	0.88506	0.031011	0.5038	0.155128	0.00077	0.215055
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0.083202	0.07244	0.174054	0.00016	0.222323	1.22E-06	0.015577	0.73707	0.010672
0.025771	0.57854	0.080939	0.08059	0.128673	0.00536	-0.11594	0.01217	-0.19868
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0.06056	0.19142	0.092556	0.0456	0.123354	0.00761	-0.14337	0.0019	-0.25226
0.119247	0.0099	0.104227	0.02429	0.090761	0.04998	-0.18145	8.03E-05	-0.09843
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0.106293	0.0216	0.010464	0.82157	-0.00045	0.99226	-0.03198	0.4905	-0.24054
0.003402	0.94155	0.067813	0.14341	0.095565	0.03898	-0.03942	0.39531	-0.02229
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0.11689	0.01147	0.10843	0.01909	0.083957	0.06988	0.177525	0.00011	0.067289
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-0.11814	0.01062	-0.09347	0.0435	-0.00701	0.87989	-0.13342	0.00387	-0.13992
0.046166	0.31949	0.022189	0.63245	0.028352	0.54109	-0.03619	0.43524	-0.04296
0.024758	0.59358	0.005021	0.91382	0.033701	0.46751	-0.14532	0.00164	-0.07926
0.13713	0.00298	0.128996	0.00524	0.174987	0.00014	-0.02563	0.58068	0.199136
0.029073	0.53084	0.019388	0.67603	0.025636	0.58053	-0.04733	0.30747	-0.1107
0.039338	0.39635	0.00265	0.95446	-0.02268	0.62491	0.003506	0.93976	-0.1571
-0.00635	0.89106	-0.05771	0.21319	0.052811	0.2547	-0.00674	0.88445	-0.10673
-0.13826	0.00275	-0.16329	0.0004	-0.11013	0.01727	-0.08259	0.07458	-0.12734
0.134283	0.00365	0.089241	0.05396	0.076428	0.09902	0.171195	0.0002	0.062823
-0.07624	0.09984	-0.01763	0.70399	0.061137	0.18721	-0.22753	6.73E-07	-0.23362
0.048736	0.29326	0.188761	4.04E-05	0.117447	0.01108	0.01786	0.70027	0.203103
-0.2627	8.25E-09	-0.12817	0.00554	-0.15611	0.00071	-0.11469	0.01314	-0.07362

0.094273	0.04172	-0.06948	0.13379	0.023063	0.61909	0.073614	0.11213	-0.08852
-0.17279	0.00018	-0.09907	0.03232	-0.08698	0.06035	-0.05467	0.23831	-0.06812
0.066583	0.15083	0.023467	0.61297	0.058133	0.20986	-0.00099	0.98303	0.096983
0.149803	0.00117	0.157231	0.00065	0.145208	0.00165	0.135191	0.00342	0.102317
-0.26291	8.01E-09	-0.22877	5.83E-07	-0.27172	2.39E-09	-0.07128	0.12402	-0.04815
-0.05624	0.22507	0.112617	0.0149	0.056911	0.21962	-0.1263	0.00628	0.010077
0.100923	0.02921	0.115918	0.01218	0.140551	0.00233	0.096516	0.03707	0.162045
0.165919	0.00032	0.160759	0.00049	0.167559	0.00028	-0.01201	0.79567	-0.00796
0.055848	0.22836	0.088372	0.05635	0.11792	0.01076	-0.03592	0.43872	0.086401
0.248638	5.20E-08	0.207911	5.88E-06	0.306846	1.22E-11	0.102821	0.02629	0.146487
-0.26653	4.90E-09	-0.16393	0.00037	-0.24015	1.50E-07	-0.15974	0.00053	-0.04296
0.007304	0.87492	-0.01544	0.73931	-0.01963	0.67216	-0.03593	0.43854	-0.3296
0.06101	0.18813	0.119869	0.00952	0.119696	0.00962	-0.16732	0.00028	-0.14784
0.224301	9.75E-07	0.134557	0.00358	0.171223	0.0002	-0.03826	0.40944	-0.05722
0.030276	0.51397	-0.12291	0.00783	-0.05744	0.21534	0.071557	0.12254	-0.257
0.011517	0.80397	-0.12002	0.00943	-0.11147	0.01595	-0.10341	0.02544	-0.32011
0.012893	0.78109	0.088515	0.05595	0.159706	0.00053	0.006245	0.89293	0.060984
-0.01958	0.67308	-0.14704	0.00144	-0.0869	0.06061	0.106026	0.02193	0.136699
0.055267	0.23325	0.037934	0.41344	0.138905	0.00263	-0.17754	0.00011	-0.25155
0.146421	0.00151	0.121705	0.00847	0.13994	0.00244	0.14214	0.00208	0.15051
-0.1352	0.00342	-0.2108	4.33E-06	-0.25859	1.43E-08	-0.07311	0.11461	-0.11951
0.048273	0.29788	0.021225	0.64732	0.021715	0.63973	0.071099	0.12496	-0.03101
0.002656	0.95435	0.06784	0.14325	0.115218	0.01272	-0.02692	0.56167	-0.15964
-0.06208	0.18047	-0.10683	0.02094	-0.08804	0.05728	-0.0906	0.0504	-0.30872
-0.0033	0.94325	0.044715	0.33495	0.094693	0.04081	-0.11512	0.01279	-0.02458
0.019834	0.66901	-0.03454	0.45643	0.052564	0.25694	-0.07902	0.08806	-0.12539
-0.11578	0.01229	-0.04592	0.32205	-0.03367	0.4679	-0.1493	0.00121	-0.0561
0.062016	0.18094	0.025796	0.57817	0.088213	0.05679	-0.18972	3.69E-05	-0.24542
0.00089	0.98469	-0.14094	0.00227	-0.00644	0.88965	-0.14396	0.00182	-0.30619
-0.06298	0.17424	-0.21951	1.67E-06	-0.15265	0.00094	-0.18196	7.66E-05	-0.25973
-0.03926	0.39728	0.04399	0.34285	0.034697	0.45444	-0.1106	0.01681	-0.11948
-0.02482	0.59265	-0.05091	0.27227	-0.05704	0.21858	0.042386	0.36076	-0.05632
-0.26857	3.70E-09	-0.21058	4.43E-06	-0.15762	0.00063	-0.18987	3.63E-05	-0.13521
-0.01183	0.7988	-0.03424	0.46045	-0.00528	0.90939	-0.04533	0.32835	-0.09033
-0.03826	0.40949	-0.0719	0.12077	-0.03374	0.46699	-0.04768	0.30387	-0.11348
-0.15646	0.00069	0.014567	0.75354	0.00426	0.92685	-0.09369	0.04301	-0.21843
-0.35336	3.52E-15	-0.05072	0.27406	-0.21739	2.12E-06	-0.11702	0.01138	-0.04204
-0.022	0.63542	-0.06261	0.1768	-0.0338	0.46618	-0.00897	0.84677	-0.02279
0.047388	0.30683	-0.00308	0.94714	-0.0109	0.81418	0.005636	0.90332	-0.0801
-0.00509	0.91259	-0.02259	0.62631	0.013155	0.77677	0.016359	0.72439	0.006626
-0.18109	8.30E-05	-0.05257	0.25693	-0.04897	0.29096	0.037367	0.42046	0.134071
-0.08874	0.05533	-0.08158	0.0782	-0.04857	0.29491	-0.14391	0.00182	-0.12898
-0.10697	0.02077	-0.10355	0.02524	-0.06094	0.18865	-0.17517	0.00014	-0.1648
-0.08633	0.06232	-0.06078	0.18984	-0.01946	0.67482	-0.13801	0.0028	-0.11104
-0.00885	0.84881	0.010909	0.81411	-0.01307	0.77812	0.004113	0.92936	0.073439

0.047566	0.30502	0.028002	0.54609	0.101105	0.02891	-0.00747	0.87218	-0.04505
0.178095	0.00011	0.129654	0.00501	0.087909	0.05765	0.254722	2.38E-08	0.106364
0.38369	7.92E-18	0.237943	1.96E-07	0.096417	0.03726	0.133984	0.00372	0.106371
0.080909	0.0807	0.129598	0.00503	0.153469	0.00088	0.003635	0.93756	0.016157
-0.22641	7.65E-07	-0.27954	7.86E-10	-0.11987	0.00952	-0.22205	1.26E-06	-0.18603
-0.0073	0.87491	0.000811	0.98606	0.04022	0.38584	0.019408	0.6757	-0.05812
0.023322	0.61517	0.019025	0.68176	0.053501	0.24854	0.002565	0.95591	-0.07155
0.058304	0.20851	-0.05281	0.25469	-0.03374	0.46693	-0.12375	0.00742	-0.1485
0.022823	0.62275	-0.0248	0.59297	-0.03228	0.48645	-0.03317	0.47455	-0.03815
0.08805	0.05725	0.004024	0.93089	-0.00894	0.84714	-0.04929	0.28776	-0.05677
0.063363	0.17163	-0.01402	0.76245	0.042461	0.3599	-0.05375	0.24639	-0.07076
-0.04448	0.33749	-0.07865	0.08955	-0.08492	0.06673	0.003269	0.94384	-0.05909
0.040701	0.38018	0.01478	0.75005	0.038414	0.40755	-0.03508	0.44953	0.000448
0.084194	0.0691	0.032464	0.48401	0.069859	0.13169	-0.05818	0.20951	-0.08757
0.041636	0.36933	-0.01132	0.80725	0.008622	0.85258	-0.08167	0.07789	-0.00323
0.089738	0.05263	0.027552	0.55257	0.018259	0.69391	0.003079	0.94708	-0.05034
0.066424	0.15181	-0.01575	0.73427	-0.03257	0.48253	-0.043	0.35383	-0.06491
0.066578	0.15086	0.018387	0.69188	-0.01053	0.82052	0.028799	0.53472	-0.05539
0.027205	0.55758	0.097764	0.03468	-0.02644	0.56865	0.080345	0.08284	0.215903
-0.20966	4.89E-06	-0.06445	0.16436	-0.08163	0.07803	-0.07447	0.10798	0.068405
0.009602	0.83606	0.028155	0.5439	-0.13213	0.00423	0.015069	0.74533	0.0154
0.108398	0.01912	0.247216	6.22E-08	0.28782	2.33E-10	0.164026	0.00037	0.202916
0.170288	0.00022	0.07581	0.10179	0.02352	0.61217	0.10877	0.01871	0.199516
0.050893	0.27239	0.000559	0.99039	-0.03727	0.42163	0.003208	0.94488	-0.03121
-0.01456	0.75362	-0.05585	0.22835	-0.07781	0.09306	-0.00016	0.99726	-0.05045
-0.09534	0.03944	-0.22725	6.94E-07	-0.27557	1.39E-09	-0.17197	0.00019	-0.30674
0.021287	0.64635	0.000233	0.996	0.010276	0.82472	-0.00218	0.96259	0.016317
0.005635	0.90333	-0.00025	0.99572	-0.00899	0.84629	0.006396	0.89037	0.045961
-0.05124	0.26913	-0.02217	0.6328	0.045682	0.32459	-0.14815	0.00132	-0.14118
0.131364	0.00446	0.053313	0.25022	-0.00588	0.89915	0.084368	0.06852	-0.00265
0.162045	0.00044	0.052457	0.25791	0.098475	0.03338	0.035667	0.44192	0.045432
0.020965	0.65135	0.145116	0.00167	0.138127	0.00278	0.044582	0.33639	0.039164
0.024442	0.59829	-0.01673	0.71833	0.001147	0.98028	0.023592	0.61108	0.004637
0.046099	0.32019	0.019976	0.66678	0.006322	0.89162	-0.01009	0.82786	0.00606
0.043394	0.34944	0.153975	0.00084	0.135556	0.00333	0.173842	0.00016	0.223919
0.196622	1.87E-05	0.046835	0.31252	0.110244	0.01716	-0.20554	7.54E-06	-0.23592
-0.01806	0.6971	-0.10379	0.02489	-0.11935	0.00983	-0.01457	0.75358	-0.09652
0.170484	0.00021	0.348325	9.10E-15	0.288532	2.10E-10	0.092304	0.04619	0.196596
-0.12092	0.0089	-0.08747	0.05893	-0.06983	0.13188	-0.11197	0.01548	-0.12007
-0.0302	0.51499	-0.03446	0.45753	0.011193	0.80937	-0.02129	0.64631	0.006074
0.211138	4.17E-06	0.233386	3.39E-07	0.175534	0.00014	0.183781	6.47E-05	0.152679
-0.08487	0.0669	-0.07476	0.10662	-0.01853	0.6896	-0.06782	0.14335	-0.09313
-0.00577	0.90096	-0.13637	0.00315	0.098737	0.03291	-0.05466	0.23839	-0.06181
0.038553	0.40585	-0.07734	0.09506	0.034045	0.46298	-0.06934	0.1346	-0.06353
0.021935	0.63635	-0.02589	0.5768	0.00614	0.89472	-0.03267	0.48129	-0.02994

0.158098	0.00061	0.072865	0.11583	0.048111	0.29951	0.101965	0.02757	-0.01611
0.100353	0.03014	0.056929	0.21947	0.015737	0.73447	-0.0601	0.19484	-0.03195
0.004942	0.91517	0.055152	0.23422	0.073066	0.11483	-0.03855	0.40593	-0.01766
0.06853	0.13922	0.05244	0.25806	-0.12833	0.00548	0.010864	0.81487	0.055949
-0.19511	2.18E-05	-0.21773	2.04E-06	-0.21296	3.43E-06	-0.28072	6.62E-10	-0.25916
0.25566	2.10E-08	0.110839	0.01656	0.034873	0.45216	0.169547	0.00023	0.08384
0.020111	0.66466	-0.01178	0.79951	0.022358	0.62986	-0.02681	0.5633	0.008215
0.04058	0.3816	-0.04898	0.29081	0.049656	0.28423	-0.00716	0.87736	-0.03297
0.067353	0.14615	0.015273	0.74202	0.055838	0.22844	-1.98E-05	0.99966	0.005233
0.205847	7.31E-06	0.161201	0.00047	0.146805	0.00147	0.060402	0.19258	0.054238
0.02072	0.65515	-0.07166	0.12199	-0.13851	0.0027	0.037307	0.4212	-0.05622
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-0.14314	0.00193	-0.19214	2.91E-05	-0.27291	2.02E-09	-0.08277	0.07394	-0.19185
0.177702	0.00011	0.130159	0.00484	0.06315	0.17308	0.13105	0.00456	0.0916
0.08062	0.08179	-0.00012	0.99799	0.046755	0.31335	-0.0408	0.37903	-0.01606
-0.05356	0.24806	-0.05587	0.22819	-0.05352	0.24837	-0.00883	0.84909	-0.00871
-0.06329	0.17211	0.0679	0.1429	0.074236	0.10912	0.009884	0.8313	0.073812
0.169095	0.00024	-0.17159	0.00019	-0.01565	0.7358	-0.02199	0.63553	-0.04353
0.102941	0.02611	0.137404	0.00293	0.158478	0.00059	0.169909	0.00023	0.194738
0.28279	4.90E-10	0.218703	1.83E-06	0.11141	0.01601	0.283835	4.21E-10	0.37691
0.192195	2.90E-05	0.113588	0.01405	0.139838	0.00246	0.109206	0.01824	-0.02395
0.207567	6.10E-06	0.075307	0.10409	0.168273	0.00026	0.177026	0.00012	0.092609
0.141657	0.00215	0.014442	0.75559	0.117795	0.01085	0.04659	0.31505	0.007021
0.019877	0.66834	-0.00966	0.83501	-0.01856	0.68918	0.088006	0.05738	-0.0168
-0.02896	0.53249	-0.02598	0.57547	0.002196	0.96224	0.050725	0.27398	-0.04418
-0.118	0.0107	-0.3413	3.33E-14	-0.22373	1.04E-06	-0.22993	5.09E-07	-0.19868
-0.01862	0.68822	-0.05495	0.23595	0.018313	0.69305	-0.06306	0.1737	0.098572
-0.21412	3.03E-06	-0.13095	0.00459	-0.1926	2.79E-05	0.013551	0.77024	0.15336
0.025395	0.5841	-0.10711	0.0206	-0.1196	0.00968	0.123801	0.0074	0.214566
-0.0355	0.44406	-0.11408	0.01363	0.008975	0.84662	-0.04314	0.35229	0.095056
0.212094	3.77E-06	0.292871	1.09E-10	0.28892	1.98E-10	-0.04603	0.32091	0.085226
0.081537	0.07837	0.122442	0.00808	0.08963	0.05291	0.119781	0.00957	0.139102
0.020899	0.65236	-0.06329	0.17211	0.0953	0.03953	-0.14025	0.00238	-0.14734
0.014855	0.74883	0.041028	0.37636	0.034001	0.46355	-0.07032	0.12915	-0.08651
-0.05601	0.227	0.098129	0.034	0.087294	0.05943	-0.18468	5.95E-05	-0.20446
0.152887	0.00092	0.263378	7.53E-09	0.064986	0.16089	0.105893	0.0221	0.149738
0.007765	0.86709	-0.02507	0.58887	0.022287	0.63095	0.021372	0.64504	0.132144
0.088194	0.05685	0.151946	0.00099	0.169618	0.00023	0.066754	0.14978	0.132208
0.129132	0.00519	0.2042	8.67E-06	0.207768	5.97E-06	0.220237	1.54E-06	0.355405
-0.0782	0.09143	-0.01351	0.77095	0.083998	0.06975	-0.01153	0.80371	0.097527
0.102235	0.02716	-0.04043	0.38336	-0.01208	0.79462	0.081365	0.079	0.01639
0.223958	1.01E-06	0.195324	2.13E-05	0.137176	0.00297	0.068244	0.14088	0.212411
-0.03877	0.40327	-0.05195	0.26256	-0.04117	0.37477	-0.02008	0.6652	-0.09803
-0.04777	0.30298	-0.10258	0.02665	-0.0814	0.07886	-0.05172	0.26469	-0.16142
6.76E-05	0.99884	-0.06814	0.1415	-0.01696	0.71463	-0.09562	0.03886	-0.17326

0.032433	0.48443	-0.1126	0.01491	-0.05307	0.25236	-0.27284	2.04E-09	-0.18499
0.155066	0.00077	0.122538	0.00803	0.260474	1.11E-08	-0.04933	0.28739	-0.08729
0.345173	1.64E-14	0.192075	2.93E-05	0.120263	0.00928	0.311171	6.07E-12	0.44387
0.221705	1.31E-06	0.214346	2.95E-06	0.047657	0.30409	0.22984	5.14E-07	0.40788
-0.07691	0.09691	-0.08316	0.07258	-0.11514	0.01278	0.033653	0.46815	0.052328
0.08465	0.0676	-0.05257	0.25688	0.054954	0.2359	0.040115	0.38708	0.016242
0.24825	5.46E-08	0.092584	0.04553	0.236625	2.30E-07	0.038141	0.41089	-0.21716
-0.02342	0.61371	0.001404	0.97586	0.015457	0.73903	0.001325	0.97723	-0.02594
0.052708	0.25564	0.017232	0.71033	0.000465	0.99201	0.091371	0.04845	0.046609
0.029909	0.51909	0.002299	0.96047	0.037571	0.41792	-0.01558	0.7371	-0.14197
-0.11989	0.00951	-0.0734	0.1132	-0.0787	0.08937	-0.00636	0.891	-0.09321
0.102287	0.02708	0.160335	0.0005	0.18869	4.07E-05	0.14415	0.00179	0.211541
0.071176	0.12455	-0.00394	0.93228	0.023501	0.61245	-0.00032	0.99441	-0.0872
0.16746	0.00028	0.142377	0.00204	0.181773	7.80E-05	0.111682	0.01575	-0.07527
0.080749	0.08131	0.001959	0.96632	0.10495	0.02332	-0.22265	1.18E-06	-0.2081
0.098246	0.03379	0.000615	0.98943	0.042145	0.36349	0.043789	0.34507	0.107774
0.087239	0.05959	0.151661	0.00101	0.140546	0.00233	0.047973	0.30089	-0.032
-0.09801	0.03423	0.050931	0.27204	0.110028	0.01738	-0.01358	0.76983	-0.04598
-0.02888	0.53364	-0.06393	0.16781	-0.00352	0.93948	-0.12199	0.00832	-0.03218
-0.04815	0.29916	-0.0333	0.47283	-0.00878	0.84985	-0.13437	0.00362	0.034567
-0.12473	0.00696	-0.06096	0.18852	-0.05291	0.25383	-0.13788	0.00283	-0.04079
-0.23105	4.46E-07	-0.23807	1.93E-07	-0.13733	0.00294	-0.13129	0.00449	-0.08105
-0.18163	7.90E-05	0.033117	0.47527	-0.00213	0.9634	-0.03045	0.51157	0.029604
0.075412	0.10361	0.213176	3.35E-06	0.056377	0.22398	0.070387	0.12879	0.034762
-0.12913	0.00519	-0.17893	0.0001	-0.07745	0.09457	-0.31531	3.07E-12	-0.27105
0.013559	0.7701	-0.04193	0.36598	0.010619	0.81897	-0.16487	0.00035	-0.1906
-0.11075	0.01665	0.103327	0.02555	0.090404	0.05089	-0.03784	0.41462	0.097899
0.12965	0.00501	0.203702	9.13E-06	0.254449	2.46E-08	0.054943	0.236	0.122676
0.055201	0.2338	0.020134	0.6643	0.059508	0.19926	0.009492	0.8379	0.053972
0.063653	0.16967	-0.09472	0.04076	-0.04778	0.30289	-0.05578	0.22895	0.055752
-0.00385	0.93393	0.045577	0.32571	0.07492	0.10588	-0.11043	0.01698	-0.06054
0.096433	0.03723	-0.03191	0.49152	0.046428	0.31674	-0.02705	0.55984	0.043653
-0.01727	0.70968	-0.00245	0.9579	0.030432	0.51181	-0.09416	0.04196	-0.12993
0.083786	0.07046	0.128274	0.0055	0.123	0.00779	0.172865	0.00017	0.1129
0.047497	0.30572	0.202623	1.02E-05	0.164754	0.00035	0.107628	0.02	0.159138
-0.20481	8.14E-06	-0.34839	8.99E-15	-0.30589	1.43E-11	-0.14945	0.0012	-0.15096
-0.19334	2.59E-05	-0.15073	0.00109	-0.26678	4.74E-09	-0.02801	0.54593	0.008141
0.204351	8.54E-06	0.128628	0.00537	0.114676	0.01315	0.126844	0.00605	-0.06113
0.160147	0.00051	0.208325	5.63E-06	0.18374	6.49E-05	-0.02981	0.52052	-0.03599
0.224072	1.00E-06	0.148601	0.00128	0.202431	1.04E-05	0.032402	0.48486	0.096342
0.097549	0.03508	0.155206	0.00076	0.086925	0.06052	0.072641	0.11696	0.064651
0.320874	1.21E-12	0.106657	0.02115	0.163611	0.00039	0.227622	6.65E-07	0.37638
0.187659	4.49E-05	0.241748	1.23E-07	0.322247	9.58E-13	0.066268	0.15278	0.242798
-0.0865	0.06178	-0.03081	0.50663	-0.02902	0.53164	0.108469	0.01904	0.17351
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-0.14882	0.00126	-0.24544	7.78E-08	-0.30874	9.02E-12	-0.20498	8.00E-06	-0.30796
0.082548	0.07473	0.023677	0.60979	0.066258	0.15284	0.045206	0.32966	-0.06167
0.04505	0.33134	0.149314	0.00121	0.118554	0.01034	0.115605	0.01242	0.128618
0.154524	0.00081	0.128406	0.00545	0.141875	0.00212	-0.15494	0.00078	-0.08466
0.340811	3.64E-14	0.16864	0.00025	0.139394	0.00254	0.094024	0.04226	-0.041
-0.05237	0.25874	-0.06894	0.13688	-0.00913	0.84396	-0.03329	0.47299	-0.14031
0.012361	0.78992	0.09869	0.03299	0.098383	0.03354	-0.02523	0.58661	-0.02049
-0.00226	0.96116	0.013269	0.77489	0.010236	0.8254	0.027142	0.55849	0.038674
0.237344	2.11E-07	0.247749	5.82E-08	0.217074	2.19E-06	0.269439	3.28E-09	0.413941
0.106313	0.02157	0.119976	0.00946	0.15066	0.00109	0.035913	0.43878	-0.03665
-0.05529	0.23308	-0.01531	0.74148	-0.01892	0.68338	0.02715	0.55838	0.010589
0.096292	0.03751	0.132508	0.00412	0.106699	0.0211	0.224092	9.98E-07	0.046778
-0.08469	0.06746	-0.32912	2.93E-13	-0.27174	2.38E-09	-0.08566	0.06437	-0.07934
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0.331798	1.83E-13	0.1623	0.00043	0.080674	0.08159	0.300993	3.10E-11	0.36636
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0.107634	0.01999	0.186719	4.91E-05	0.147769	0.00136	0.164989	0.00034	0.074407
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0.005407	0.90723	-0.13238	0.00416	-0.13282	0.00404	0.155279	0.00076	0.06774
0.107398	0.02027	0.010182	0.82629	0.042081	0.36422	-0.04846	0.29605	-0.00642
-0.13623	0.00318	-0.17024	0.00022	-0.3592	1.14E-15	-0.02319	0.6172	-0.08885
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0.154045	0.00084	0.174885	0.00015	0.188654	4.08E-05	0.247247	6.20E-08	0.284599
0.174888	0.00015	-0.00374	0.93573	-0.03383	0.4658	0.166542	0.0003	-0.02601
-0.18823	4.25E-05	-0.09403	0.04224	-0.15244	0.00095	-0.18339	6.71E-05	-0.19089
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0.167641	0.00027	0.171259	0.0002	0.147942	0.00135	-0.06019	0.19418	-0.11846
-0.00542	0.90694	0.11795	0.01074	0.080482	0.08232	-0.00104	0.98206	0.011513
-0.06392	0.16792	0.132495	0.00413	0.07426	0.10901	0.077338	0.09506	0.030419
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0.003418	0.94128	0.032136	0.48844	0.016389	0.72391	0.000705	0.98788	0.02404
0.022596	0.62621	0.055871	0.22817	-0.00375	0.93567	0.047614	0.30453	0.055837
0.030091	0.51655	0.045783	0.32352	-0.03635	0.43323	0.060023	0.19539	0.108814
0.002446	0.95795	0.069973	0.13106	0.024362	0.59949	0.013595	0.76952	0.083651
0.02574	0.57899	0.046485	0.31615	0.013877	0.76486	0.05109	0.27053	0.061371
0.004964	0.9148	0.000648	0.98885	0.010935	0.81368	-0.03171	0.49421	-0.00646
0.071829	0.12112	0.064667	0.16296	0.049466	0.28609	0.043676	0.34631	0.070602
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0.044413	0.33822	0.094643	0.04092	0.101962	0.02758	0.020174	0.66368	0.070806
0.00466	0.92	0.044708	0.33503	0.105655	0.0224	0.074244	0.10908	-0.01126
-0.11161	0.01582	-0.09464	0.04093	-0.11791	0.01077	0.078875	0.08864	0.191284
-0.09568	0.03876	-0.03426	0.46021	-0.03898	0.40062	0.010976	0.813	0.07359
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0.330695	2.22E-13	0.087086	0.06004	0.201829	1.11E-05	0.145418	0.00163	-0.04228
0.198194	1.60E-05	0.083607	0.07106	0.228391	6.09E-07	-0.00785	0.86561	-0.1352
0.064416	0.1646	0.05037	0.27735	0.004977	0.91458	0.065439	0.15799	0.230209
0.043484	0.34843	-0.1367	0.00307	-0.13042	0.00476	-0.0771	0.09608	-0.12305
0.195254	2.15E-05	0.057039	0.21858	0.186412	5.05E-05	0.016442	0.72305	-0.15239
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0.088944	0.05476	0.131557	0.0044	0.137519	0.0029	-0.04219	0.36296	-0.04905
0.052509	0.25744	0.071387	0.12343	0.155884	0.00072	-0.00334	0.94263	-0.04339
0.000427	0.99266	-0.17429	0.00015	-0.01634	0.72463	-0.0627	0.17614	-0.0357
0.322269	9.55E-13	0.085225	0.06575	0.217947	1.99E-06	0.264221	6.71E-09	0.197609
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0.050588	0.27528	-0.0511	0.27041	-0.181	8.37E-05	0.152106	0.00098	0.129252
0.035513	0.4439	-0.20355	9.27E-06	-0.13346	0.00386	-0.05938	0.20026	-0.13409
0.019628	0.67225	-0.15074	0.00109	-0.08705	0.06014	-0.01918	0.67928	-0.17291
0.156651	0.00068	0.101382	0.02848	-0.01619	0.72719	0.328933	3.03E-13	0.319757
0.009001	0.84618	0.03125	0.50052	0.084481	0.06815	-0.01915	0.67974	0.119718
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0.268	4.01E-09	0.259677	1.24E-08	0.32381	7.34E-13	0.234468	2.98E-07	0.251722
0.175469	0.00014	0.17158	0.00019	0.103413	0.02543	0.201839	1.11E-05	0.092977
0.159381	0.00055	0.29066	1.52E-10	0.286806	2.71E-10	-0.02519	0.58713	-0.07366
0.121205	0.00874	-0.00595	0.89797	0.052371	0.2587	0.0644	0.16471	-0.14989
0.146956	0.00145	0.278697	8.88E-10	0.274177	1.69E-09	0.157703	0.00063	0.175722
0.047339	0.30733	0.153683	0.00086	0.12297	0.0078	0.103202	0.02573	0.020134
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0.11694	0.01144	-0.0792	0.08733	-0.09065	0.05026	0.130363	0.00478	0.178727
0.173377	0.00017	0.197078	1.79E-05	0.169856	0.00023	0.104771	0.02356	0.129235
0.037726	0.41601	0.104882	0.02341	0.07474	0.10673	0.078198	0.09143	-0.0043
0.013795	0.76622	-0.04829	0.29769	0.021361	0.64521	-0.21772	2.04E-06	-0.33561
0.071133	0.12478	0.042373	0.36091	0.02099	0.65095	0.056979	0.21907	-0.07087
0.040987	0.37684	0.008535	0.85404	0.008492	0.85478	-0.08087	0.08083	-0.16737
0.040179	0.38633	-0.08048	0.08234	-0.00898	0.84661	-0.05953	0.19909	-0.33498
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0.143227	0.00192	0.023857	0.60707	0.041232	0.37399	0.137483	0.00291	-0.1143
0.146846	0.00146	0.02271	0.62448	0.05324	0.25086	0.127626	0.00575	-0.11163
0.162209	0.00043	-0.02277	0.62356	-0.00447	0.92332	-0.05395	0.2446	-0.20104
0.084442	0.06828	0.032135	0.48845	-0.0627	0.1762	0.236784	2.25E-07	0.26133
0.184014	6.33E-05	0.110137	0.01727	0.010887	0.81449	0.253747	2.70E-08	0.280095
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0.107167	0.02054	0.087088	0.06004	0.027947	0.54688	0.058077	0.2103	-0.00712
0.109666	0.01775	0.358062	1.43E-15	0.258057	1.53E-08	-0.0301	0.51645	0.082756

-0.19584	2.02E-05	-0.21645	2.35E-06	-0.24872	5.14E-08	-0.21421	3.00E-06	-0.21345
0.16747	0.00028	0.059323	0.20066	0.134209	0.00366	-0.03975	0.39141	-0.10033
0.090197	0.05142	-0.01745	0.70686	0.022234	0.63175	-0.00863	0.85247	-0.0847
0.128246	0.00551	-0.00579	0.90065	0.052277	0.25955	-0.03934	0.39634	-0.13061
0.109104	0.01835	0.178241	0.00011	0.109167	0.01828	0.191957	2.97E-05	0.243017
0.01305	0.77851	-0.13757	0.00289	-0.14615	0.00154	0.0984	0.03351	-0.03387
0.036424	0.43229	-0.00296	0.94919	0.002649	0.95448	0.009127	0.84405	-0.04997
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0.084823	0.06704	0.145703	0.00159	0.047615	0.30452	0.033955	0.46416	0.016941
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0.040524	0.38226	-0.08714	0.05988	0.096022	0.03805	-0.17602	0.00013	-0.41831
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0.362752	5.70E-16	0.224457	9.57E-07	0.280814	6.54E-10	0.150307	0.00112	0.078556
0.184496	6.05E-05	0.00186	0.96802	-0.03107	0.50296	0.124673	0.00699	0.107486
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0.099054	0.03235	0.078883	0.08861	-0.17764	0.00011	0.273002	2.00E-09	0.310271
0.036572	0.43043	0.216969	2.22E-06	0.030465	0.51135	0.100411	0.03004	0.167128
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0.114851	0.01301	0.06193	0.18154	0.000896	0.9846	0.048217	0.29844	0.001467
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0.049607	0.2847	0.093863	0.04262	0.106256	0.02164	0.002414	0.9585	-0.05056
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0.154962	0.00078	0.288937	1.97E-10	0.191586	3.08E-05	0.22973	5.21E-07	0.466156
0.071581	0.12242	0.088176	0.0569	0.151497	0.00102	-0.05658	0.22235	-0.03221
0.062018	0.18093	0.112457	0.01504	0.173633	0.00016	-0.19837	1.57E-05	-0.20802
0.01711	0.71228	0.021294	0.64624	0.227623	6.65E-07	-0.16233	0.00043	-0.18264
0.038512	0.40635	-0.05536	0.23242	-0.00651	0.88845	-0.01283	0.78213	-0.10845
0.06853	0.13922	0.092175	0.0465	0.087494	0.05885	-0.15881	0.00057	-0.20141
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0.036525	0.43101	0.115473	0.01252	0.111196	0.01622	0.03269	0.48098	0.093031
0.078491	0.09021	0.001352	0.97675	0.023602	0.61093	-0.01428	0.75827	-0.05022
0.095298	0.03954	0.159737	0.00053	0.15726	0.00065	0.017104	0.71238	0.172244
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-0.03846	0.40696	0.024002	0.6049	0.028327	0.54144	-0.06851	0.13932	-0.01503
-0.0999	0.03088	-0.0428	0.35609	-0.0612	0.18674	-0.05036	0.27743	-0.07032
-0.07102	0.12536	0.011411	0.80573	0.010964	0.8132	-0.06627	0.15277	-0.00988
-0.08937	0.0536	0.067995	0.14234	0.082209	0.07593	0.025999	0.57519	-0.01561
0.07901	0.0881	0.005837	0.8999	0.044065	0.34203	0.025985	0.57539	-0.22029
-0.03888	0.40189	-0.04021	0.38594	-0.05668	0.22149	-0.04046	0.38306	0.003844
0.08459	0.06779	0.123551	0.00752	0.113716	0.01394	0.014334	0.75736	-0.03387
-0.09354	0.04335	-0.02884	0.53418	0.044019	0.34254	-0.19141	3.13E-05	-0.2533
0.048377	0.29683	0.002241	0.96147	0.04336	0.34981	-0.08541	0.06516	-0.14148

-0.01023	0.82553	0.029507	0.52473	-0.01385	0.76533	-0.01045	0.8218	-0.04384
0.115309	0.01265	0.100333	0.03017	0.110582	0.01682	0.049146	0.28922	0.005784
0.139732	0.00247	0.044259	0.33991	0.087148	0.05986	-0.07324	0.11397	-0.09382
0.099247	0.03201	0.137273	0.00295	0.201149	1.19E-05	0.033325	0.4725	-0.06036
0.06077	0.18988	0.001071	0.98158	0.024558	0.59655	-0.09238	0.04601	-0.13943
0.070641	0.12741	-0.16581	0.00032	-0.19934	1.43E-05	0.001633	0.97192	-0.19211
-0.15581	0.00073	-0.11364	0.014	-0.05312	0.2519	-0.24146	1.28E-07	-0.19006
-0.11152	0.0159	0.05133	0.26829	-0.04854	0.29518	-0.01546	0.739	-0.12576
0.063643	0.16974	0.090642	0.05028	0.217162	2.17E-06	-0.10366	0.02508	0.010608
-0.10426	0.02425	-0.09022	0.05136	-0.09424	0.04178	-0.03044	0.51166	-0.08111
0.16823	0.00026	0.169089	0.00024	0.189084	3.92E-05	0.189217	3.87E-05	0.360383
-0.05087	0.27261	-0.07629	0.09962	-0.02969	0.52218	-0.05379	0.24597	-0.05983
-0.12532	0.00669	-0.15679	0.00067	-0.1035	0.02531	-0.17934	9.75E-05	-0.44458
0.013701	0.76776	0.00833	0.85752	-0.05938	0.2002	0.062195	0.17968	-0.08806
-0.05216	0.26059	0.143446	0.00189	0.092169	0.04651	-0.09271	0.04523	-0.02418
0.006077	0.8958	-0.03923	0.39762	-0.02374	0.60881	-0.02602	0.57487	0.009619
-0.00716	0.87736	0.045198	0.32975	-0.07535	0.10387	-0.01352	0.7708	0.016897
0.12149	0.00859	0.049507	0.28568	0.088758	0.05527	0.327272	4.04E-13	0.254868
0.17378	0.00016	0.214773	2.82E-06	0.065173	0.15968	0.264979	6.06E-09	0.404518
0.008756	0.85032	0.039451	0.395	0.075484	0.10328	0.095222	0.03969	0.172989
0.170854	0.00021	0.210169	4.63E-06	0.227729	6.57E-07	0.154599	0.0008	0.154692
0.348342	9.07E-15	0.083762	0.07054	0.05057	0.27545	0.121584	0.00853	0.034846
-0.15958	0.00054	-0.25525	2.22E-08	-0.20807	5.78E-06	-0.314	3.82E-12	-0.24233
0.284626	3.74E-10	-0.03236	0.48543	-0.02933	0.52726	0.089762	0.05256	0.014703
0.070656	0.12733	-0.03666	0.42929	0.069671	0.13274	0.056901	0.21969	0.086114
0.041988	0.36528	-0.02539	0.58412	0.019678	0.67146	-0.05886	0.20418	-0.09759
0.121709	0.00847	0.14096	0.00226	0.126196	0.00632	0.108141	0.01941	0.065461
0.063744	0.16906	-0.05207	0.26144	0.006702	0.88514	0.023413	0.61378	-0.1547
0.261463	9.74E-09	0.055726	0.22938	0.036575	0.43039	0.086147	0.06287	-0.00032
0.019024	0.68177	0.102172	0.02726	0.126671	0.00612	0.008118	0.86111	-0.02118
0.018002	0.69801	-0.10409	0.02449	-0.04198	0.36536	-0.05378	0.24605	-0.06912
-0.11478	0.01307	-0.15595	0.00072	-0.09785	0.03453	-0.21948	1.68E-06	-0.26198
0.057236	0.21699	0.119761	0.00959	0.097205	0.03573	0.052395	0.25847	0.017895
0.02013	0.66437	-0.05556	0.23075	0.002436	0.95812	0.012616	0.78569	-0.16356
0.105653	0.0224	0.053954	0.24455	0.09986	0.03096	0.025448	0.58331	0.043341
0.073544	0.11247	-0.0501	0.27995	0.03149	0.49723	-0.12511	0.00679	-0.34418
0.251287	3.70E-08	0.314183	3.70E-12	0.321157	1.15E-12	0.008351	0.85717	-0.00694
0.2327	3.67E-07	0.146369	0.00152	0.127033	0.00598	0.119105	0.00999	-0.18435
0.323684	7.50E-13	0.136469	0.00313	0.264481	6.48E-09	0.154635	0.0008	-0.06303
0.113765	0.0139	0.138692	0.00267	0.208497	5.53E-06	0.125668	0.00654	0.14355
0.250316	4.20E-08	0.158483	0.00059	0.158164	0.0006	-0.07438	0.10844	-0.02816
0.187834	4.41E-05	0.235934	2.50E-07	0.260776	1.07E-08	0.000509	0.99125	-0.08115
0.07846	0.09034	0.265734	5.46E-09	0.225245	8.75E-07	0.324575	6.44E-13	0.228271
0.003707	0.93631	0.02812	0.5444	-0.00904	0.84551	0.06197	0.18126	0.000768
0.160494	0.0005	0.168788	0.00025	0.298817	4.36E-11	-0.09189	0.04718	-0.07651

0.180762	8.56E-05	0.137287	0.00295	0.170679	0.00021	0.195194	2.16E-05	0.304125
-0.0564	0.22376	0.026898	0.56204	0.077335	0.09507	-0.02943	0.52584	-0.01877
0.076383	0.09922	0.205757	7.37E-06	0.009726	0.83396	0.166412	0.0003	0.377104
0.011488	0.80444	-0.03255	0.48283	-0.1063	0.02159	0.028246	0.5426	-0.04734
0.069329	0.13466	0.310704	6.55E-12	0.20593	7.24E-06	0.111686	0.01575	0.091681
-0.12084	0.00895	-0.14741	0.0014	-0.24254	1.12E-07	0.058997	0.20315	0.059076
0.185043	5.75E-05	-0.18024	8.98E-05	-0.08611	0.06298	0.172978	0.00017	0.047422
-0.21726	2.15E-06	-0.10581	0.0222	-0.05318	0.25139	-0.10144	0.02838	-0.19429
0.092154	0.04655	0.211078	4.20E-06	0.134573	0.00357	0.135298	0.0034	0.165442
-0.00795	0.86397	-0.01816	0.69554	0.006218	0.8934	-0.00853	0.85422	-0.1634
0.075463	0.10337	0.060761	0.18994	0.051096	0.27048	0.063927	0.16784	-0.03722
0.272503	2.14E-09	0.178054	0.00011	0.287365	2.49E-10	-0.03654	0.43081	0.043475
0.05328	0.25051	0.037425	0.41973	0.051026	0.27114	0.211284	4.11E-06	0.248983
0.005671	0.90272	-0.05498	0.23571	0.016244	0.72625	-0.15858	0.00058	-0.17384
-0.02504	0.58936	0.152942	0.00091	0.012164	0.79318	0.036143	0.43585	0.098837
0.183158	6.86E-05	0.177051	0.00012	0.204052	8.80E-06	-0.05793	0.21147	-0.14548
-0.00875	0.85049	-0.09761	0.03496	-0.04198	0.3654	-0.18606	5.23E-05	-0.26422
0.121076	0.00882	0.217907	2.00E-06	0.151493	0.00102	0.045937	0.32189	-0.15471
0.002642	0.95459	0.032755	0.48011	0.060002	0.19555	-0.01958	0.673	-0.05799
0.202907	9.91E-06	0.06537	0.15843	-0.19951	1.40E-05	0.179065	9.99E-05	0.228704
0.025	0.58996	-0.00672	0.88492	-0.32427	6.78E-13	0.189496	3.76E-05	0.368815
-0.26419	6.75E-09	-0.15414	0.00083	-0.18016	9.05E-05	-0.08782	0.05791	-0.03651
-0.02875	0.5354	-0.12586	0.00646	-0.14899	0.00124	-0.03273	0.4804	-0.15105
-0.03183	0.49263	0.027664	0.55095	-0.02249	0.62789	-0.01279	0.78288	-0.0175
-0.12093	0.0089	-0.25232	3.24E-08	-0.17807	0.00011	-0.14712	0.00143	0.048828
-0.25083	3.93E-08	-0.25508	2.27E-08	-0.22092	1.43E-06	-0.19164	3.06E-05	-0.22351
0.002089	0.96409	-0.00257	0.95586	0.056777	0.2207	0.043053	0.35324	0.099114
0.016349	0.72456	-0.08562	0.06451	-0.00776	0.86723	-0.06185	0.18211	-0.17511
0.0565	0.22297	0.130521	0.00473	0.042072	0.36433	-0.01193	0.7971	0.058409
0.0175	0.70604	-0.08335	0.07195	-0.05457	0.23918	-0.00569	0.9024	-0.20996
0.035789	0.44036	0.031027	0.50359	0.011125	0.81051	0.125081	0.0068	0.16971
0.345026	1.68E-14	0.19314	2.64E-05	0.187565	4.53E-05	0.288069	2.25E-10	0.212882
-0.22156	1.33E-06	-0.13445	0.0036	-0.16894	0.00024	-0.23828	1.88E-07	-0.25425
-0.06525	0.15923	0.032149	0.48826	-0.06441	0.16464	-0.0563	0.2246	0.039984
0.017227	0.7104	-0.0995	0.03157	-0.1111	0.01631	-0.12029	0.00927	-0.34488
0.101348	0.02853	-0.12179	0.00842	-0.05207	0.26147	0.114325	0.01343	-0.09387
-0.08943	0.05345	0.107108	0.02061	0.06599	0.15451	0.13783	0.00284	0.259257
0.0111	0.81092	-0.00636	0.89091	0.120334	0.00924	-0.10656	0.02127	-0.02766
0.015387	0.74016	0.035137	0.44874	0.028051	0.54538	-0.03315	0.47482	-0.03987
-0.12732	0.00587	-0.24313	1.04E-07	-0.15186	0.00099	-0.08298	0.07321	-0.01303
0.194256	2.37E-05	0.195268	2.14E-05	0.224333	9.71E-07	-0.06453	0.16383	-0.00463
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0.272338	2.19E-09	0.078197	0.09143	0.22952	5.34E-07	0.040089	0.38739	-0.03796
0.084744	0.06729	-0.04748	0.30593	-0.06853	0.13921	-0.0568	0.22055	-0.03816
0.211335	4.09E-06	0.178982	0.0001	0.189555	3.74E-05	0.005963	0.89775	-0.11183

-0.02127	0.64659	-0.10177	0.02787	-0.0834	0.07177	-0.03144	0.49798	-0.06836
0.300914	3.14E-11	0.083866	0.07019	0.136583	0.0031	0.176256	0.00013	-0.07742
0.042932	0.3546	-0.05463	0.23868	0.046765	0.31324	-0.14224	0.00206	-0.16631
0.269427	3.29E-09	0.153988	0.00084	0.152093	0.00098	0.008548	0.85383	-0.04359
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0.117616	0.01097	0.005853	0.89962	0.282326	5.25E-10	-0.12148	0.00859	-0.21076
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0.088248	0.05669	0.099755	0.03114	0.093474	0.04349	0.053243	0.25084	-0.00056
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0.142363	0.00204	-0.05818	0.20949	0.042854	0.35547	-0.16522	0.00034	-0.12272
0.146411	0.00151	0.149411	0.0012	0.180302	8.93E-05	0.100372	0.0301	0.088512
0.02257	0.62662	0.123461	0.00756	0.113793	0.01387	-0.15612	0.00071	0.005173
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0.164423	0.00036	0.355462	2.35E-15	0.294719	8.21E-11	0.19949	1.40E-05	0.163496
0.036771	0.42792	0.041004	0.37665	0.10937	0.01807	-0.02088	0.65273	-0.01116
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0.114487	0.0133	0.019716	0.67087	0.080898	0.08074	-0.02506	0.58904	-0.06523
0.031353	0.49911	0.046216	0.31897	0.021959	0.63598	-0.06184	0.18217	-0.06794
0.093146	0.04423	0.047663	0.30403	0.014795	0.74981	0.036618	0.42984	-0.16187
-0.00774	0.86752	0.040856	0.37837	-0.00256	0.95597	0.055875	0.22813	0.124532
0.137572	0.00289	0.27315	1.95E-09	0.154699	0.0008	0.297497	5.35E-11	0.340547
0.166375	0.00031	0.179099	9.96E-05	0.103094	0.02589	0.083529	0.07133	0.239999
-0.03608	0.43671	-0.16297	0.00041	-0.0738	0.11123	-0.05023	0.27873	-0.08331
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0.039591	0.39332	-0.03768	0.41653	-0.03104	0.50337	-0.11268	0.01484	-0.15145
-0.02436	0.59955	-0.24435	8.91E-08	0.002248	0.96135	-0.25942	1.28E-08	-0.34303
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0.18816	4.28E-05	0.259184	1.32E-08	0.055653	0.22999	0.198199	1.60E-05	0.199972
0.1083	0.01923	0.028066	0.54518	0.100536	0.02983	0.509503	3.24E-32	0.126962
0.11615	0.01201	0.101768	0.02788	0.090438	0.0508	0.200957	1.21E-05	0.109952
0.114054	0.01366	0.082164	0.07609	0.142097	0.00208	-0.12029	0.00927	-0.20556
0.108541	0.01896	0.195121	2.17E-05	0.193772	2.48E-05	0.12871	0.00534	0.131755
-0.2493	4.78E-08	-0.23981	1.56E-07	-0.21226	3.70E-06	-0.19212	2.92E-05	-0.14634
0.077573	0.09405	0.267647	4.20E-09	0.179564	9.55E-05	0.116392	0.01183	0.356573
0.113214	0.01437	0.124207	0.0072	0.112935	0.01461	0.11067	0.01673	0.235838
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0.017782	0.70153	-0.04361	0.34709	0.007121	0.87802	-0.03352	0.46986	-0.02598
-0.03862	0.40506	0.037172	0.42289	-0.03781	0.41494	0.024918	0.59118	0.0851
-0.00163	0.97194	-0.18524	5.64E-05	-0.12541	0.00665	0.04591	0.32218	0.149511
-0.00883	0.84908	-0.03464	0.45517	-0.02322	0.61669	-0.03893	0.40122	-0.09177
0.086166	0.06281	0.158261	0.0006	0.162645	0.00042	0.185775	5.37E-05	0.155584
-0.06385	0.16835	0.004844	0.91686	0.014214	0.75934	-0.24257	1.11E-07	-0.2246
0.018059	0.6971	-0.03585	0.43953	-0.02869	0.53623	-0.03352	0.46992	-0.08937
-0.18384	6.44E-05	-0.31434	3.61E-12	-0.20583	7.32E-06	-0.298	4.95E-11	-0.4181

0.055962	0.22741	-0.05997	0.1958	-0.01635	0.72453	-0.01256	0.78668	-0.13387
-0.13627	0.00317	-0.29373	9.55E-11	-0.23731	2.12E-07	-0.10624	0.02166	-0.17922
0.194745	2.26E-05	-0.11367	0.01398	-0.14574	0.00159	0.101779	0.02786	0.065863
0.067773	0.14365	-0.10092	0.02921	-0.1719	0.00019	-0.00646	0.88934	-0.20589
-0.04023	0.3857	-0.07201	0.12019	-0.13995	0.00244	-0.03619	0.43531	-0.26973
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0.104589	0.0238	0.160388	0.0005	0.165927	0.00032	-0.04706	0.31018	-0.06487
-0.25007	4.33E-08	-0.31517	3.14E-12	-0.33935	4.75E-14	-0.06809	0.14178	-0.20157
-0.11495	0.01293	-0.03497	0.45088	-0.11404	0.01367	-0.09872	0.03294	-0.0081
-0.08249	0.07495	0.146452	0.00151	0.031734	0.4939	0.022514	0.62747	0.048323
0.056146	0.22588	0.087682	0.0583	0.087481	0.05889	-0.06548	0.15774	-0.10861
-0.01409	0.76131	0.017823	0.70087	-0.02187	0.63728	0.057495	0.21491	-0.04626
0.015345	0.74085	-0.13703	0.003	-0.0845	0.06808	-0.15429	0.00082	-0.30945
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0.081505	0.07848	0.108665	0.01883	0.139709	0.00248	-0.06656	0.15097	-0.10897
0.27005	3.02E-09	-0.0892	0.05406	0.010851	0.81509	0.03646	0.43184	-0.09967
0.154724	0.00079	0.337557	6.57E-14	0.236961	2.21E-07	0.195143	2.17E-05	0.247265
-0.05658	0.22227	-0.08923	0.05399	-0.21116	4.17E-06	0.143272	0.00191	0.124942
0.012561	0.7866	0.078557	0.08994	0.156661	0.00068	-0.05582	0.2286	-0.08383
-0.04341	0.34928	0.059706	0.19776	0.067626	0.14452	-0.01166	0.80151	-0.05216
-0.01723	0.71031	0.135784	0.00328	0.124992	0.00684	-0.00611	0.89516	-0.01093
-0.05419	0.24253	0.141748	0.00214	0.025448	0.58331	0.080143	0.08362	0.215871
0.149579	0.00119	-0.01802	0.69775	-0.02291	0.62141	-0.00519	0.91093	-0.05501
0.033385	0.47169	0.000101	0.99825	0.021426	0.6442	-0.06764	0.14444	-0.05692
-0.20091	1.22E-05	-0.15537	0.00075	-0.13983	0.00246	0.352454	4.18E-15	0.023079
-0.1596	0.00054	-0.11648	0.01177	-0.10724	0.02045	-0.10663	0.02119	-0.04821
0.170042	0.00022	0.008953	0.84698	0.150649	0.00109	0.029755	0.52125	-0.10356
-0.09408	0.04214	0.044347	0.33895	-0.02408	0.60376	-0.00043	0.99258	0.039129
0.179151	9.92E-05	0.185882	5.31E-05	0.200285	1.30E-05	0.059232	0.20136	0.027706
0.184659	5.96E-05	-0.10377	0.02493	-0.00527	0.90958	-0.0147	0.7514	-0.14999
-0.27061	2.79E-09	-0.15332	0.00089	-0.20781	5.94E-06	-0.10051	0.02988	-0.06241
-0.1256	0.00657	-0.0407	0.38021	-0.07496	0.1057	-0.14943	0.0012	0.015888
-0.01755	0.70524	-0.07203	0.1201	-0.07	0.13093	0.050759	0.27366	0.044821
0.117973	0.01073	0.102769	0.02636	-0.14349	0.00188	0.15959	0.00054	0.300483
0.038437	0.40727	0.162884	0.00041	0.103544	0.02525	0.010586	0.81952	-0.01215
-0.03494	0.45131	-0.04254	0.35905	-0.02309	0.61876	-0.15939	0.00055	-0.31286
0.0387	0.40406	0.019451	0.67502	0.035816	0.44002	-0.15208	0.00098	-0.11553
-0.17313	0.00017	-0.06739	0.1459	-0.08742	0.05907	-0.22665	7.45E-07	-0.16681
-0.29617	6.57E-11	-0.1844	6.11E-05	-0.2474	6.08E-08	-0.27035	2.89E-09	-0.21395
-0.07157	0.1225	0.018092	0.69656	0.08669	0.06122	-0.24395	9.37E-08	-0.13952
-0.09511	0.03994	-0.18521	5.66E-05	-0.06891	0.13701	-0.18823	4.25E-05	-0.38401
0.076518	0.09862	0.219764	1.63E-06	0.009826	0.83228	0.275429	1.42E-09	0.357596
0.158125	0.0006	0.168678	0.00025	-0.00088	0.9849	0.117385	0.01113	0.155066
-0.03352	0.46992	-0.23529	2.70E-07	-0.2009	1.22E-05	-0.23141	4.28E-07	-0.11483
-0.16214	0.00044	-0.14454	0.00174	-0.07695	0.09674	-0.04495	0.3324	-0.13998

-0.03253	0.48317	-0.00869	0.85151	-0.00779	0.86661	-0.13901	0.00261	-0.03526
0.060644	0.1908	0.265685	5.50E-09	0.21093	4.27E-06	-0.17919	9.88E-05	-0.09118
-0.03798	0.41293	0.217951	1.99E-06	0.143905	0.00182	0.044849	0.3335	0.07787
-0.08555	0.06473	0.001012	0.9826	-0.02459	0.59604	-0.00079	0.98645	-0.04791
0.021977	0.6357	0.049723	0.28358	6.11E-05	0.99895	0.047103	0.30976	0.042944
-0.02476	0.59359	0.072134	0.11954	0.02623	0.57179	-0.01212	0.7939	0.069343
-0.00973	0.83382	0.004672	0.91979	-0.0034	0.94151	-0.24376	9.59E-08	-0.30003
-0.05629	0.22472	-0.01704	0.7134	-0.036	0.43761	-0.04488	0.3332	-0.04336
-0.07657	0.09839	-0.0729	0.11566	-0.06014	0.19451	-0.08172	0.07768	-0.02763
-0.1653	0.00033	-0.14016	0.0024	-0.0898	0.05248	-0.03394	0.46439	0.112505
-0.19298	2.68E-05	-0.08738	0.05919	-0.12786	0.00566	-0.11756	0.01101	-0.17139
0.042663	0.35763	0.339332	4.77E-14	0.31345	4.18E-12	0.166487	0.0003	0.198077
-0.00465	0.92012	-0.08975	0.05259	0.04278	0.3563	0.005546	0.90486	-0.10694
0.038808	0.40276	0.105635	0.02243	0.019362	0.67643	0.066906	0.14885	0.088125
0.096872	0.03637	0.016059	0.72925	0.040048	0.38788	-0.0591	0.20238	-0.16599
0.023052	0.61926	-0.05391	0.24491	-0.04101	0.37658	-0.09252	0.04569	-0.18172
0.061095	0.18751	0.051495	0.26675	0.091798	0.04741	0.037224	0.42224	-0.14717
0.167164	0.00029	-0.13855	0.00269	-0.00758	0.87015	0.112137	0.01533	0.142133
0.015569	0.73719	-0.08144	0.07872	-0.00506	0.91315	-0.03154	0.49651	-0.17716
-0.13254	0.00411	-0.18862	4.09E-05	-0.1878	4.43E-05	-0.21748	2.09E-06	-0.2901
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0.024745	0.59376	-0.1341	0.00369	-0.00793	0.86422	-0.03013	0.51603	-0.10094
0.023061	0.61913	-0.0899	0.0522	0.030302	0.51362	-0.0698	0.13201	-0.0218
0.085587	0.06461	-0.21628	2.39E-06	-0.18049	8.77E-05	-0.0154	0.73989	-0.09764
0.008612	0.85274	-0.09431	0.04164	-0.07024	0.12959	-0.22395	1.01E-06	-0.2446
0.085113	0.0661	0.153118	0.0009	0.08041	0.08259	0.034045	0.46297	0.031017
-0.18059	8.69E-05	-0.23542	2.66E-07	-0.34274	2.56E-14	-0.10079	0.02943	-0.06174
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0.219572	1.66E-06	0.085109	0.06612	0.267998	4.01E-09	0.072062	0.11992	0.020151
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0.18794	4.37E-05	0.243496	9.91E-08	0.15566	0.00074	0.27849	9.15E-10	0.10808
0.046361	0.31745	0.103446	0.02539	0.097983	0.03427	0.083598	0.07109	0.073908
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0.02461	0.59577	-0.0152	0.74319	0.147679	0.00137	-0.14346	0.00188	-0.33304
0.020476	0.65896	0.08189	0.07708	0.054005	0.24411	0.104629	0.02375	0.037101
0.173839	0.00016	0.018246	0.69412	0.096683	0.03674	-0.11837	0.01046	-0.29233
-0.00476	0.91836	0.047889	0.30174	0.113468	0.01415	0.043267	0.35086	0.017005
0.009869	0.83155	0.064335	0.16514	0.035402	0.44533	-0.06116	0.18708	-0.00518
0.008033	0.86254	-0.07103	0.12534	-0.00487	0.91648	-0.15517	0.00077	-0.15706
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-0.17261	0.00018	-0.2526	3.13E-08	-0.19569	2.06E-05	-0.25609	1.99E-08	-0.36671
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0.046111	0.32007	-0.0337	0.46755	0.016098	0.72862	-0.1686	0.00025	-0.26806
0.058186	0.20944	-0.16386	0.00038	-0.08988	0.05225	-0.04489	0.33307	-0.29444
0.02307	0.619	0.141569	0.00217	0.218471	1.88E-06	0.065478	0.15774	0.193905
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0.008933	0.84732	0.077648	0.09374	0.063346	0.17174	-0.09164	0.04778	-0.07841
0.005326	0.90861	0.078552	0.08996	0.096565	0.03697	0.017541	0.70538	0.018599
0.088806	0.05514	0.09161	0.04786	-0.08528	0.06557	0.174639	0.00015	0.175475
0.051538	0.26635	-0.0451	0.3308	0.140241	0.00239	0.038087	0.41155	-0.13313
0.076037	0.10077	0.130057	0.00488	0.175931	0.00013	-0.11495	0.01293	-0.09048
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0.217743	2.03E-06	0.196113	1.97E-05	0.211886	3.85E-06	0.219868	1.61E-06	0.216722
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0.082064	0.07645	0.119716	0.00961	0.15535	0.00076	0.124316	0.00715	0.037445
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0.272032	2.29E-09	0.125973	0.00641	0.201372	1.16E-05	0.166735	0.0003	-0.13743
0.218401	1.89E-06	0.148498	0.00129	0.159853	0.00053	0.007274	0.87542	-0.05189
0.178804	0.0001	0.189711	3.69E-05	0.171523	0.0002	-0.03877	0.4032	-0.10289
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0.008219	0.85939	-0.05643	0.22356	-0.04885	0.29212	-0.0054	0.90735	-0.1084
0.084801	0.06711	0.075955	0.10114	0.029223	0.52872	0.12984	0.00495	0.042155
0.070054	0.13062	0.021702	0.63994	0.079372	0.08665	0.030959	0.50452	-0.07094
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0.193642	2.52E-05	0.222441	1.20E-06	0.126593	0.00616	0.055243	0.23345	0.077456
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0.192302	2.87E-05	0.19391	2.45E-05	0.255674	2.10E-08	0.418537	3.14E-21	0.098225
0.185061	5.74E-05	0.275241	1.45E-09	0.238188	1.90E-07	-0.04651	0.31589	0.166491
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0.082784	0.0739	-0.14757	0.00138	0.151497	0.00102	-0.05519	0.23393	-0.17917
0.015879	0.73217	0.10296	0.02608	0.00754	0.87091	0.179387	9.71E-05	0.294295
0.251472	3.62E-08	0.194013	2.43E-05	0.23688	2.23E-07	0.108	0.01957	0.217182
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0.090905	0.04961	0.041119	0.3753	0.018426	0.69125	-0.11856	0.01034	-0.15079
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0.237146	2.16E-07	0.246296	6.99E-08	0.243012	1.05E-07	0.144115	0.00179	0.081279
0.270973	2.65E-09	0.198691	1.52E-05	0.190058	3.57E-05	0.144919	0.00169	0.058341
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0.037977	0.41291	0.095282	0.03957	0.07607	0.10062	-0.02513	0.58805	-0.00843
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0.051748	0.26441	0.096995	0.03613	0.06777	0.14366	0.038342	0.40843	0.036473
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0.041785	0.36761	0.124117	0.00724	0.083342	0.07197	0.038058	0.41191	0.015482
0.116348	0.01187	0.115964	0.01215	0.189974	3.60E-05	-0.01405	0.76197	-0.057
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0.199511	1.40E-05	0.27821	9.52E-10	0.311561	5.70E-12	0.090222	0.05136	0.019596
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0.060732	0.19015	0.183282	6.78E-05	0.088613	0.05567	0.261113	1.02E-08	0.136278
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0.314923	3.28E-12	0.20572	7.40E-06	0.216587	2.31E-06	0.153492	0.00088	0.054499
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0.010711	0.81744	0.050678	0.27442	0.086956	0.06043	-0.03565	0.44218	-0.06207
0.05431	0.24145	-0.00033	0.99424	0.05343	0.24918	-0.03134	0.49931	-0.05629
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0.05296	0.25336	0.017501	0.70602	0.017579	0.70477	0.124654	0.00699	0.050207
0.051964	0.26241	-0.053	0.25302	0.023384	0.61423	-0.12984	0.00495	-0.1242
0.027727	0.55004	-0.01236	0.78994	-0.03253	0.48316	0.003325	0.94287	-0.04442
0.043721	0.34581	-0.11066	0.01674	-0.05141	0.2675	-0.13699	0.00301	-0.2555
0.020792	0.65404	-0.04946	0.28613	-0.14617	0.00154	0.032216	0.48737	0.025596
-0.07186	0.12095	-0.0549	0.23634	-0.06014	0.19449	-0.00616	0.89432	-0.04678
0.115053	0.01285	0.04399	0.34285	0.020763	0.65449	0.077688	0.09357	0.065681
-0.00871	0.85117	-0.03477	0.45348	-0.07473	0.10676	0.074589	0.10744	-0.00216
0.072009	0.12019	0.021818	0.63816	0.09141	0.04836	-0.08879	0.05518	-0.10927
-0.0071	0.87844	-0.09097	0.04945	-0.05962	0.19839	0.018221	0.69451	-0.06894
0.042624	0.35806	-0.05676	0.22081	0.018354	0.6924	-0.05137	0.2679	-0.08569
0.079082	0.08781	-0.04088	0.37814	-0.00314	0.94605	-0.07799	0.0923	-0.13039
0.006658	0.88589	-0.07309	0.11474	-0.01721	0.71075	-0.01683	0.71677	0.012354

0.085681	0.06431	-0.04329	0.35058	0.040774	0.37933	-0.15629	0.0007	-0.22003
0.028187	0.54344	-0.02091	0.65223	0.003439	0.94091	-0.13135	0.00447	-0.15851
0.075949	0.10116	-0.04877	0.29297	0.066585	0.15082	-0.14655	0.0015	-0.32342
0.166861	0.00029	0.027304	0.55615	0.098753	0.03288	0.0559	0.22793	0.098453
0.058347	0.20818	-0.0064	0.89024	-0.00657	0.8874	-0.09112	0.04907	-0.06255
0.075531	0.10306	0.097506	0.03516	0.123693	0.00745	-0.00265	0.95453	-0.06364
0.088625	0.05564	0.085209	0.0658	0.090463	0.05074	0.18538	5.57E-05	0.09211
0.093819	0.04271	0.080923	0.08065	0.098167	0.03393	0.15383	0.00085	0.060458
-0.03214	0.48834	0.008957	0.84692	0.0428	0.35608	-0.15218	0.00097	-0.13308
0.117098	0.01133	0.236582	2.31E-07	0.341917	2.98E-14	0.10546	0.02265	0.043316
0.234599	2.93E-07	0.100159	0.03046	0.183122	6.88E-05	0.106098	0.02184	-0.03131
0.023656	0.61011	0.105725	0.02231	0.122141	0.00823	0.053872	0.24528	0.020255
0.147195	0.00142	0.316529	2.51E-12	0.20862	5.46E-06	0.20251	1.03E-05	0.224018
-0.06341	0.1713	-0.13518	0.00342	-0.20944	5.00E-06	-0.08618	0.06276	-0.28847
0.059218	0.20146	0.152765	0.00093	0.077694	0.09354	0.030556	0.51009	-0.00884
0.092248	0.04633	-0.13153	0.00441	-0.02033	0.66127	-0.00348	0.94023	-0.33885
-0.10134	0.02855	-0.15873	0.00058	-0.04158	0.36992	-0.13874	0.00266	-0.12989
0.005684	0.9025	0.130197	0.00483	0.180562	8.72E-05	0.079717	0.08528	0.001771
-0.07125	0.12414	-0.1776	0.00011	-0.14033	0.00237	-0.21654	2.32E-06	-0.4416
0.071527	0.1227	0.184288	6.17E-05	0.168056	0.00026	0.157929	0.00061	0.088408
-0.20259	1.02E-05	-0.1488	0.00126	-0.09874	0.03291	-0.23106	4.46E-07	-0.35888
0.161847	0.00045	0.187128	4.72E-05	0.065422	0.1581	0.00713	0.87788	0.189918
-0.02692	0.5617	-0.09083	0.04981	-0.04781	0.30258	-0.1315	0.00442	-0.11869
-0.01294	0.78035	0.002623	0.95492	0.02787	0.54799	0.012717	0.78401	0.046918
0.016175	0.72737	-0.14727	0.00142	0.000181	0.9969	-0.11251	0.01499	0.042937
0.17575	0.00013	-0.06171	0.18312	0.039762	0.39128	-0.02648	0.56819	-0.2054
-0.13504	0.00346	-0.15283	0.00092	-0.07655	0.09849	0.009779	0.83307	0.226586
0.26036	1.13E-08	0.282367	5.21E-10	0.279915	7.45E-10	0.083862	0.0702	0.21002
-0.24201	1.19E-07	-0.27112	2.60E-09	-0.07654	0.09852	-0.15317	0.0009	-0.29196
-0.15604	0.00072	-0.13047	0.00474	-0.05636	0.22413	-0.06776	0.14374	0.191059
-0.0991	0.03227	-0.07609	0.10052	-0.0326	0.48219	-0.17795	0.00011	-0.14326
-0.23306	3.52E-07	-0.20315	9.66E-06	-0.22266	1.17E-06	-0.18544	5.54E-05	-0.1901
-0.11572	0.01233	-0.0838	0.0704	-0.06563	0.15678	-0.28869	2.05E-10	-0.34223
-0.02216	0.63295	-0.27282	2.05E-09	-0.17533	0.00014	-0.08332	0.07204	-0.33609
0.152629	0.00094	0.006835	0.88289	0.094841	0.04049	0.168634	0.00025	0.111217
0.009477	0.83815	-0.21074	4.35E-06	-0.11524	0.0127	-0.00366	0.93704	-0.3072
-0.24626	7.02E-08	-0.11332	0.01428	-0.09499	0.04018	-0.01157	0.80315	0.134848
-0.04229	0.36183	-0.36721	2.35E-16	-0.19216	2.91E-05	-0.05884	0.20436	-0.20419
-0.10098	0.02912	-0.21244	3.63E-06	-0.15949	0.00054	-0.14931	0.00121	-0.14964
0.026069	0.57415	-0.04871	0.29353	0.026478	0.56816	-0.0151	0.74477	-0.13607
0.088655	0.05556	0.136926	0.00303	0.094231	0.04181	-0.02257	0.62665	-0.0219
0.137628	0.00288	0.093088	0.04437	0.099503	0.03157	-0.01567	0.7356	-0.0535
0.046979	0.31103	0.02017	0.66375	0.047683	0.30383	-0.11337	0.01423	-0.10726
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0.054671	0.23833	0.152244	0.00097	0.100879	0.02928	0.031157	0.50179	0.029191
0.06808	0.14183	0.048427	0.29634	0.085406	0.06518	-0.11218	0.01529	-0.10648
0.151931	0.00099	0.073363	0.11336	0.082949	0.07332	0.009819	0.8324	-0.12995
0.127969	0.00562	0.201849	1.10E-05	0.237189	2.15E-07	-0.03785	0.41451	-0.13371
0.029269	0.52808	0.053025	0.25278	0.166483	0.0003	-0.10155	0.02822	-0.13107
0.080852	0.08092	0.030814	0.50651	0.002376	0.95917	0.111518	0.01591	-0.01594
0.164948	0.00034	0.166857	0.00029	0.058775	0.20486	0.21244	3.63E-06	0.283522
0.01367	0.76828	0.05061	0.27507	0.06396	0.16762	-0.02483	0.59245	-0.05205
0.137786	0.00285	0.16318	0.0004	0.194517	2.31E-05	-0.02613	0.57319	-0.02707
0.100598	0.02973	0.020598	0.65706	0.041812	0.3673	-0.04278	0.35634	-0.05981
0.048626	0.29435	-0.04004	0.38803	-0.00507	0.91304	-0.00905	0.84528	-0.05099
0.145853	0.00158	0.039426	0.3953	0.064763	0.16234	-0.04757	0.305	-0.13082
0.035624	0.44248	-0.17927	9.81E-05	-0.03586	0.43944	-0.022	0.63531	0.076176
-0.02698	0.56084	-0.17958	9.54E-05	-0.15504	0.00077	-0.11531	0.01265	-0.32192
-0.18364	6.55E-05	-0.18578	5.36E-05	-0.10913	0.01832	-0.32633	4.76E-13	-0.14732
0.106889	0.02087	-0.0268	0.56344	0.124841	0.00691	-0.06674	0.14984	-0.02867
0.06531	0.15881	0.073076	0.11478	0.093748	0.04287	-0.20027	1.30E-05	-0.29227
0.109786	0.01763	0.246188	7.08E-08	0.157874	0.00062	0.088832	0.05507	0.016639
-0.00433	0.92567	-0.16873	0.00025	-0.06209	0.18039	-0.16883	0.00025	-0.16686
-0.00429	0.9263	0.006641	0.88619	0.02276	0.62372	0.161466	0.00046	0.045403
0.095859	0.03838	0.152078	0.00098	0.177196	0.00012	0.14175	0.00214	0.32616
0.043648	0.34662	0.057158	0.21761	0.105812	0.0222	-0.10005	0.03063	-0.18104
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0.002736	0.95298	-0.00408	0.93001	-0.03383	0.46582	0.071126	0.12481	-0.02818
0.061497	0.18463	0.084717	0.06738	0.123174	0.0077	-0.00322	0.94463	-0.02961
-0.09802	0.03421	-0.20625	7.00E-06	-0.07521	0.10454	-0.07215	0.11947	-0.18283
-0.16997	0.00022	-0.28544	3.32E-10	-0.30592	1.42E-11	-0.26371	7.19E-09	-0.37742
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0.033511	0.47003	0.044603	0.33616	0.033771	0.46658	-8.49E-07	0.99999	-0.16883
0.190001	3.59E-05	0.003819	0.9344	0.052623	0.25641	-0.00574	0.90149	-0.23628
0.187457	4.58E-05	0.330745	2.20E-13	0.178051	0.00011	0.172218	0.00018	0.25226
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0.023601	0.61094	0.132312	0.00418	0.081517	0.07844	0.076223	0.09993	0.030159
-0.08115	0.07978	-0.05026	0.27842	0.037712	0.41617	-0.06579	0.15578	-0.14836
-0.17409	0.00016	-0.07534	0.10392	-0.0982	0.03388	-0.06012	0.19467	-0.17427
0.181838	7.75E-05	0.307493	1.10E-11	0.232373	3.82E-07	0.198699	1.52E-05	0.333269
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0.119274	0.00988	0.18969	3.69E-05	0.202015	1.09E-05	0.115491	0.01251	0.111148
0.113216	0.01437	-0.00875	0.8505	0.030055	0.51705	0.015708	0.73494	-0.17117
0.024826	0.59255	0.031943	0.49106	0.023576	0.61133	0.027989	0.54629	0.015426
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0.088548	0.05586	0.060985	0.18831	0.047255	0.30819	-0.0778	0.09309	-0.22626
-0.19126	3.18E-05	-0.06891	0.13706	-0.00981	0.83258	-0.15002	0.00115	-0.09829

0.119459	0.00977	0.356569	1.90E-15	0.28693	2.66E-10	0.073166	0.11433	0.187083
0.120383	0.00921	0.098335	0.03363	0.088538	0.05588	0.06151	0.18453	0.304449
0.110357	0.01705	0.09645	0.0372	0.093877	0.04259	0.096286	0.03752	-0.04679
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0.120242	0.0093	0.178345	0.00011	0.146809	0.00147	0.088709	0.05541	-0.07728
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0.004346	0.92538	0.052163	0.26059	0.011357	0.80663	-0.01312	0.77737	-0.14253
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0.001758	0.96978	-0.0382	0.41014	-0.02612	0.57337	-0.08907	0.05442	-0.10484
0.046765	0.31324	-0.09987	0.03093	-0.06334	0.17179	0.023414	0.61377	-0.08371
0.309454	8.03E-12	0.168749	0.00025	0.247782	5.79E-08	0.126164	0.00633	0.16979
0.292338	1.18E-10	0.110665	0.01674	0.286101	3.01E-10	-0.09669	0.03673	-0.15096
0.319822	1.44E-12	0.080887	0.08078	-0.03713	0.42344	0.174738	0.00015	0.30858
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0.19521	2.16E-05	0.036495	0.43139	0.068653	0.13851	0.012731	0.78378	-0.17144
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0.0546	0.23895	-0.0146	0.75302	-0.01367	0.7683	0.055037	0.2352	-0.09559
0.023591	0.61109	0.05149	0.2668	0.091239	0.04878	0.001158	0.98009	0.027084
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0.104362	0.02411	0.338826	5.22E-14	0.200428	1.28E-05	0.173307	0.00017	0.304296
0.046261	0.31849	-0.2585	1.45E-08	-0.16624	0.00031	-0.13982	0.00246	-0.35455
0.051496	0.26674	0.048788	0.29275	0.065216	0.15941	0.071379	0.12348	-0.07055
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0.026962	0.56111	0.096072	0.03795	0.071197	0.12444	0.083975	0.06982	-0.06129
0.380114	1.68E-17	0.068912	0.13702	0.137638	0.00288	0.223831	1.03E-06	0.334298
0.131501	0.00442	0.124171	0.00722	0.106338	0.02154	0.000928	0.98404	-0.04
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0.123109	0.00774	0.063571	0.17022	0.086562	0.06161	-0.0185	0.69	-0.09008
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0.356335	1.99E-15	0.242076	1.18E-07	0.331937	1.79E-13	0.211288	4.11E-06	0.072967

0.056428	0.22356	-0.02133	0.64572	-0.12881	0.00531	0.176056	0.00013	0.322471
0.100012	0.0307	0.021237	0.64713	0.019736	0.67054	0.026583	0.56663	0.013934
0.095602	0.03891	0.016354	0.72448	0.024814	0.59273	0.178319	0.00011	0.215
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0.004485	0.92299	-0.01997	0.6668	-0.04137	0.37235	0.007414	0.87304	0.001256
0.042528	0.35915	0.100783	0.02943	0.108528	0.01898	-0.03698	0.42535	-0.23456
0.156495	0.00069	0.085922	0.06356	0.132628	0.00409	0.07469	0.10696	-0.05727
0.15814	0.0006	0.143124	0.00193	0.120484	0.00916	0.179937	9.23E-05	-0.07463
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0.162366	0.00043	0.123584	0.0075	0.161315	0.00047	0.020146	0.66411	-0.00989
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0.073103	0.11464	0.229741	5.20E-07	0.208542	5.50E-06	0.082249	0.07579	0.156672
-0.07539	0.1037	-0.05707	0.21834	-0.03726	0.42179	-0.02356	0.61149	-0.03894
-0.11119	0.01623	0.011144	0.81018	0.049767	0.28316	-0.08399	0.06976	-0.086
0.073775	0.11134	0.204631	8.29E-06	0.115156	0.01277	0.119501	0.00974	0.112651
0.093182	0.04415	0.184284	6.17E-05	0.151008	0.00106	-0.00354	0.93926	0.119615
0.183255	6.80E-05	-0.0796	0.08576	-0.07173	0.12162	0.195365	2.12E-05	0.253667
0.110411	0.01699	0.211267	4.12E-06	0.23101	4.48E-07	0.079552	0.08593	0.066151
-0.19824	1.59E-05	-0.10214	0.02731	-0.10475	0.02359	-0.04307	0.353	-0.05325
-0.00501	0.91402	-0.06546	0.15782	0.017065	0.71301	-0.029	0.53187	0.068621
-0.00704	0.87937	-0.01258	0.78633	-0.01427	0.75836	0.030427	0.51187	-0.08505
-0.24959	4.60E-08	-0.21046	4.49E-06	-0.15416	0.00083	-0.2411	1.33E-07	-0.31816
0.08079	0.08115	0.085077	0.06622	0.089523	0.0532	0.124441	0.00709	-0.14025
0.119723	0.00961	0.063591	0.17009	0.058371	0.20799	0.327481	3.90E-13	0.240502
-0.07223	0.11907	-0.07403	0.11009	-0.04052	0.38234	-0.09944	0.03167	-0.00877
-0.09213	0.04661	-0.14201	0.0021	-0.10545	0.02266	-0.13948	0.00252	-0.28034
-0.0766	0.09824	-0.03379	0.46637	-0.01008	0.82807	-0.00905	0.84532	0.002821
0.099849	0.03098	-0.18887	4.00E-05	-0.01813	0.69594	0.041585	0.36991	-0.09892
0.073513	0.11262	0.090119	0.05163	0.172768	0.00018	-0.04977	0.28315	0.07665
0.019135	0.68001	0.060156	0.1944	0.118219	0.01056	-0.07325	0.1139	0.040329
0.006646	0.8861	0.034145	0.46166	0.085514	0.06483	-0.06656	0.15098	0.03076
-0.187	4.78E-05	-0.14138	0.0022	0.086364	0.0622	-0.12023	0.00931	-0.02734
-0.00311	0.9466	0.157863	0.00062	0.148158	0.00132	-0.00277	0.95235	0.020191
0.016973	0.71449	0.034404	0.45827	0.07403	0.11011	-0.12352	0.00753	-0.14
-0.04156	0.37024	-0.08579	0.06396	-0.0458	0.32333	-0.11934	0.00984	-0.13576
0.077634	0.09379	0.182399	7.36E-05	0.29229	1.19E-10	0.114371	0.0134	0.151851
-0.05265	0.25613	0.002012	0.96541	0.142918	0.00196	-0.02652	0.56749	-0.10842
0.193169	2.64E-05	0.185366	5.58E-05	0.235259	2.71E-07	-0.01176	0.79999	-0.08844
0.242367	1.14E-07	0.07902	0.08806	0.107976	0.0196	0.256343	1.92E-08	0.303608
0.159013	0.00056	0.151605	0.00101	0.180458	8.80E-05	-0.09641	0.03728	-0.11506
0.148031	0.00134	0.215128	2.71E-06	0.162921	0.00041	-0.03373	0.46713	0.289342
0.320557	1.28E-12	0.293727	9.55E-11	0.196473	1.90E-05	0.077357	0.09497	0.076193

0.055758	0.22911	0.054471	0.24005	0.122528	0.00803	-0.00992	0.8307	0.0253
-0.24734	6.13E-08	-0.25348	2.79E-08	-0.15972	0.00053	-0.19739	1.73E-05	-0.02711
0.289272	1.88E-10	0.178662	0.0001	0.18282	7.08E-05	0.225212	8.78E-07	0.324859
-0.05947	0.19954	-0.0931	0.04434	-0.0333	0.47281	-0.09622	0.03766	-0.064
0.114118	0.0136	0.090456	0.05076	0.150088	0.00114	-0.05596	0.22741	0.012369
0.059431	0.19984	-0.02928	0.52798	0.055342	0.23261	0.038887	0.40179	-0.08469
-0.05578	0.22892	-0.07657	0.09841	0.024002	0.60489	0.042961	0.35427	0.040407
0.034268	0.46004	-0.03276	0.48008	-0.05282	0.25463	0.031774	0.49336	-0.06625
0.048402	0.29658	0.006236	0.89309	0.016524	0.72172	-0.04358	0.34735	-0.19717
0.186553	4.99E-05	0.20463	8.29E-06	0.175959	0.00013	0.215957	2.48E-06	0.094037
0.1748	0.00015	0.202659	1.02E-05	0.232491	3.76E-07	0.070684	0.12718	0.01325
-0.14942	0.0012	-0.00884	0.84885	-0.08516	0.06595	-0.07851	0.09013	0.006155
-0.13865	0.00268	0.113833	0.01384	0.009774	0.83315	-0.07543	0.10352	0.037095
0.178736	0.0001	0.204454	8.45E-06	0.24091	1.36E-07	0.232306	3.85E-07	0.260326
0.079797	0.08497	0.027258	0.55682	0.118756	0.01021	0.009876	0.83144	0.125453
0.184633	5.97E-05	0.090127	0.05161	0.132502	0.00413	-0.03253	0.48306	-0.1731
-0.09892	0.03258	-0.20826	5.67E-06	-0.09948	0.0316	-0.38054	1.54E-17	-0.11943
0.033643	0.46828	-0.09749	0.0352	-0.00977	0.83321	-0.25909	1.34E-08	-0.38388
-0.18585	5.33E-05	-0.05634	0.22426	-0.1346	0.00357	-0.08348	0.07151	-0.13857
0.018429	0.69121	-0.00972	0.83399	-0.02871	0.53596	0.029407	0.52613	-0.27612
-0.20925	5.10E-06	-0.13911	0.00259	-0.07169	0.12183	-0.27823	9.49E-10	-0.21435
0.179637	9.49E-05	0.035971	0.43804	0.002257	0.9612	0.077688	0.09357	-0.05602
0.02243	0.62875	-0.12014	0.00936	-0.05654	0.22265	-0.16119	0.00047	-0.07646
0.106314	0.02157	0.1239	0.00735	0.188019	4.34E-05	-0.04246	0.35993	-0.04354
0.261936	9.14E-09	0.123079	0.00775	0.103716	0.025	0.142471	0.00203	0.303195
0.037619	0.41733	0.174769	0.00015	-0.00727	0.87549	0.180506	8.76E-05	0.195975
-0.04449	0.33739	0.010664	0.81821	-0.05714	0.21777	0.09867	0.03303	0.112514
0.109771	0.01764	-0.1293	0.00513	-0.00796	0.86383	-0.24398	9.34E-08	-0.22088
0.289043	1.94E-10	0.234302	3.04E-07	0.311407	5.84E-12	0.196444	1.91E-05	0.32209
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0.134283	0.00365	0.212827	3.48E-06	0.187931	4.37E-05	0.065451	0.15791	-0.01629
0.111335	0.01608	0.022569	0.62663	0.141899	0.00211	-0.09993	0.03083	-0.20919
0.024254	0.6011	0.07981	0.08492	0.02046	0.65922	0.146776	0.00147	0.0712
0.013615	0.76918	-0.04779	0.30273	0.086215	0.06266	-0.12432	0.00715	-0.0755
0.078992	0.08817	0.107578	0.02006	0.123326	0.00763	-0.22593	8.09E-07	-0.30065
0.066875	0.14904	0.194985	2.20E-05	0.18813	4.29E-05	0.02848	0.53926	0.03932
0.066659	0.15036	-0.02239	0.62944	0.036974	0.42537	-0.03342	0.47129	-0.13308
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0.186304	5.10E-05	0.219353	1.70E-06	0.182348	7.39E-05	0.136119	0.0032	0.112944
0.342906	2.48E-14	0.163195	0.0004	0.13733	0.00294	0.188211	4.26E-05	0.092373
0.06307	0.17362	0.028445	0.53975	0.096382	0.03733	-0.08799	0.05743	-0.22368
0.085849	0.06379	0.21495	2.76E-06	0.119263	0.00989	0.206935	6.52E-06	0.09119
0.15507	0.00077	0.15941	0.00054	0.181157	8.25E-05	0.105872	0.02212	0.060625
-0.11419	0.01354	-0.10854	0.01896	0.0114	0.80592	0.017269	0.70974	-0.09026
0.111655	0.01578	0.009663	0.83502	0.122307	0.00815	-0.09735	0.03545	-0.18506

-0.14169	0.00215	0.044573	0.33649	0.05636	0.22412	-0.06594	0.15483	-0.10103
-0.0292	0.52906	-0.07823	0.09128	-0.08455	0.06792	-0.01107	0.81144	-0.06264
0.323572	7.64E-13	0.225039	8.96E-07	0.345147	1.64E-14	0.18435	6.14E-05	0.187707
0.215473	2.61E-06	0.102476	0.0268	-0.00296	0.9491	0.133786	0.00377	0.293276
-0.18918	3.88E-05	-0.23263	3.70E-07	-0.2489	5.02E-08	-0.02322	0.61676	-0.11782
-0.16203	0.00044	-0.02157	0.64201	-0.08465	0.0676	-0.24303	1.05E-07	-0.08907
0.056163	0.22574	0.04529	0.32876	0.14225	0.00206	-0.03983	0.39042	0.065966
-0.01293	0.78047	-0.03991	0.38957	-0.0194	0.67584	-0.03145	0.49783	-0.18112
0.234019	3.14E-07	0.055774	0.22898	0.066513	0.15126	0.534009	8.73E-36	0.461626
0.070441	0.1285	0.061997	0.18107	0.020184	0.66353	0.108085	0.01947	0.109079
-0.05554	0.23096	0.014067	0.76175	-0.04892	0.29142	-0.03972	0.39181	0.027458
-0.11414	0.01359	-0.0735	0.11269	-0.12375	0.00742	-0.10868	0.01881	-0.14857
-0.18074	8.57E-05	-0.16391	0.00038	-0.14389	0.00182	-0.29253	1.15E-10	-0.28548
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0.053774	0.24613	-0.06405	0.16703	-0.1448	0.00171	-0.02658	0.56673	-0.13725
0.059743	0.19749	0.017349	0.70845	0.035278	0.44692	-0.04249	0.35961	0.001231
0.010549	0.82015	-0.04627	0.31841	-0.00076	0.98696	-0.05937	0.20029	-0.12499
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0.268487	3.74E-09	0.216315	2.38E-06	0.008475	0.85506	0.221419	1.35E-06	0.291001
0.014443	0.75557	2.45E-05	0.99958	-0.00659	0.8871	-0.05758	0.21423	-0.06171
-0.15488	0.00078	-0.10706	0.02067	-0.11593	0.01218	-0.19787	1.65E-05	-0.12131
-0.02033	0.66119	0.099542	0.0315	0.104945	0.02333	-0.04519	0.32986	-0.05046
-0.03313	0.47508	-0.03308	0.47578	-0.00665	0.88601	-0.14769	0.00137	-0.0744
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0.217125	2.18E-06	-0.12565	0.00655	0.087516	0.05879	-0.01773	0.70239	-0.03068
-0.23595	2.49E-07	-0.19407	2.41E-05	-0.16781	0.00027	-0.22025	1.54E-06	-0.32746
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0.166711	0.0003	0.06181	0.18239	0.078819	0.08887	0.055346	0.23257	0.088264
0.01248	0.78794	0.218682	1.83E-06	0.18537	5.57E-05	0.045754	0.32383	0.082856
0.289314	1.86E-10	0.178518	0.00011	-0.00174	0.97006	0.178865	0.0001	0.257984
-0.06497	0.16101	-0.02529	0.58563	-0.06195	0.18138	-0.03889	0.40181	-0.04191
-0.08818	0.05687	-0.09721	0.03573	-0.03999	0.38853	-0.09152	0.04809	-0.12829
-0.01992	0.66761	-0.05083	0.27296	-0.08689	0.06062	-0.01257	0.78653	-0.00836
-0.37518	4.68E-17	-0.26742	4.34E-09	-0.30975	7.65E-12	-0.24235	1.14E-07	-0.19233
0.123754	0.00742	0.001362	0.97659	-0.09457	0.04108	0.103579	0.0252	-0.02931
-0.00229	0.96068	0.016077	0.72895	0.057001	0.21888	-0.20163	1.13E-05	-0.19875
0.047483	0.30586	0.009524	0.83737	-0.05866	0.20577	0.037096	0.42384	0.08932
-0.04777	0.30299	-0.06277	0.17567	-0.0544	0.24069	-0.22821	6.22E-07	-0.22337
0.127598	0.00576	0.057973	0.21112	0.152484	0.00095	0.017239	0.71021	0.026549
0.258677	1.41E-08	0.014331	0.75742	-0.06092	0.18877	0.24547	7.75E-08	0.171288
0.024315	0.60019	0.061827	0.18227	0.074399	0.10834	-0.08511	0.0661	0.030813
0.001799	0.96907	-0.03096	0.50447	0.017285	0.70948	0.090575	0.05045	-0.05628
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-0.00176	0.96978	0.037197	0.42257	0.006707	0.88506	0.033284	0.47304	-0.10538

-0.03628	0.43406	-0.25956	1.26E-08	-0.1376	0.00288	-0.07434	0.1086	-0.17607
0.14357	0.00187	0.102096	0.02737	0.128743	0.00533	0.021215	0.64746	-0.08195
0.187464	4.57E-05	-0.1039	0.02475	-0.26405	6.87E-09	0.137731	0.00286	0.125953
0.168034	0.00026	0.236632	2.30E-07	0.238929	1.74E-07	0.269003	3.49E-09	0.074091
0.234882	2.83E-07	0.078146	0.09164	0.116346	0.01187	0.206334	6.94E-06	0.190132
0.014132	0.76067	-0.01031	0.82418	0.123794	0.0074	-0.08987	0.05227	0.013316
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-0.0791	0.08773	0.031202	0.50118	0.027111	0.55894	0.077359	0.09497	0.011674
-0.03256	0.48269	0.031187	0.50138	0.003357	0.94233	-0.01638	0.72411	-0.01948
-0.0509	0.27233	-0.00655	0.88767	-0.03694	0.42579	-0.08766	0.05838	-0.09068
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-0.02481	0.59277	-0.22865	5.91E-07	-0.20325	9.56E-06	-0.0677	0.14409	-0.26699
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0.158995	0.00056	0.141173	0.00223	0.191091	3.23E-05	-0.05748	0.21503	-0.04313
0.036679	0.42907	0.002715	0.95334	0.133501	0.00385	-0.037	0.4251	0.051384
0.058686	0.20555	0.057073	0.2183	0.229744	5.20E-07	-0.00294	0.94954	0.08789
-0.10352	0.02528	0.142402	0.00204	0.033903	0.46484	-0.04486	0.33339	0.108951
0.01642	0.7234	0.141188	0.00223	0.086447	0.06195	0.133228	0.00392	0.14024
0.046131	0.31985	-0.15169	0.00101	-0.02179	0.63858	-0.0328	0.47947	-0.18843
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0.084638	0.06764	0.134093	0.00369	0.127226	0.0059	0.204625	8.30E-06	0.017435
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0.171529	0.0002	0.131773	0.00434	0.222708	1.17E-06	0.073794	0.11125	-0.12366
0.011646	0.80181	-0.00592	0.89849	-0.03145	0.49781	-0.22367	1.05E-06	-0.23992
0.086723	0.06112	0.193996	2.43E-05	0.142198	0.00207	0.166338	0.00031	0.097791
0.068362	0.14019	-0.23882	1.76E-07	-0.37928	2.00E-17	0.009777	0.8331	-0.05805
0.019249	0.67821	-0.00916	0.84346	0.034353	0.45893	0.05873	0.2052	-0.06954
0.207824	5.94E-06	0.030568	0.50993	-0.00252	0.95662	0.073355	0.1134	0.223688
0.276517	1.21E-09	0.005524	0.90523	0.189592	3.73E-05	0.150244	0.00113	0.2037
0.17107	0.0002	0.059982	0.19569	-0.00076	0.987	0.042805	0.35602	-0.16853
0.042602	0.35831	-0.24133	1.30E-07	-0.02351	0.61226	-0.0205	0.65866	-0.11264
0.122022	0.0083	0.151213	0.00105	0.242605	1.11E-07	0.057874	0.2119	0.072471
-0.02173	0.63958	-0.02856	0.53809	-0.00293	0.94969	-0.10106	0.02899	-0.13294
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-0.03149	0.49723	-0.02114	0.64859	-0.06394	0.16772	0.00321	0.94485	0.095001
0.010746	0.81685	-0.10436	0.02412	-0.04577	0.32363	0.059516	0.1992	0.151349
-0.08473	0.06734	-0.06327	0.17225	-0.0826	0.07456	-0.04791	0.30155	-0.14897
-0.27111	2.60E-09	-0.21356	3.21E-06	-0.31646	2.54E-12	-0.09369	0.04301	0.10524
0.252472	3.18E-08	0.089244	0.05395	-0.06514	0.15988	0.163742	0.00038	0.269504
0.124928	0.00687	-0.01149	0.80444	-0.20855	5.50E-06	0.115253	0.01269	0.140754
-0.00672	0.88481	-0.02086	0.65301	-0.04272	0.35696	0.191107	3.22E-05	0.110631
-0.18245	7.32E-05	-0.1376	0.00288	-0.12727	0.00588	-0.08401	0.0697	-0.11948
0.034393	0.45841	0.168377	0.00026	0.120743	0.00901	0.171772	0.00019	0.186436
0.069751	0.13229	-0.16155	0.00046	-0.32936	2.81E-13	-0.0303	0.51366	-0.18618



0.2205	1.50E-06	0.164405	0.00036	0.224817	9.19E-07	0.086856	0.06073	0.178538
-0.22999	5.05E-07	-0.17718	0.00012	-0.18921	3.87E-05	-0.05841	0.20769	-0.062
0.071065	0.12514	0.068404	0.13995	0.048545	0.29515	0.078567	0.0899	0.055803
-0.18241	7.35E-05	-0.09542	0.03927	-0.09216	0.04653	-0.10892	0.01855	-0.1761
-0.03761	0.41741	0.009702	0.83436	-0.03234	0.48564	0.00104	0.98212	0.02405
0.054182	0.24256	-0.00592	0.89852	-0.05035	0.27754	-0.053	0.25298	0.049263
0.024441	0.5983	0.069682	0.13268	0.062835	0.17523	0.012603	0.78591	-0.02792
-0.05572	0.2294	-0.15615	0.00071	-0.19958	1.39E-05	-0.04066	0.38061	-0.0382
0.159689	0.00053	-0.12005	0.00941	0.095906	0.03829	0.06152	0.18446	-0.01329
0.053182	0.25138	-0.02099	0.65094	0.051918	0.26284	-0.09739	0.03538	0.147766
0.38158	1.24E-17	0.239411	1.64E-07	0.243055	1.05E-07	0.32516	5.82E-13	0.35165
0.107332	0.02034	0.266334	5.03E-09	0.218268	1.92E-06	0.090724	0.05007	0.084436
-0.0378	0.41514	-0.04869	0.29374	-0.03741	0.41988	0.001177	0.97976	0.052521
0.172449	0.00018	0.275008	1.50E-09	0.002397	0.9588	0.257289	1.70E-08	0.385316
-0.18206	7.59E-05	-0.04641	0.3169	-0.04073	0.37987	-0.08605	0.06317	-0.08297
0.05406	0.24363	-0.00163	0.97206	0.022539	0.62709	0.042476	0.35974	-0.06262
0.023108	0.61841	-0.07544	0.10345	-0.06047	0.19208	-0.10663	0.02119	-0.16854
0.02852	0.53869	-0.04482	0.33383	-0.02201	0.63523	-0.03025	0.51433	-0.1336
0.027547	0.55264	-0.14161	0.00216	-0.07265	0.11691	0.088121	0.05705	-0.08427
0.097633	0.03492	-0.04218	0.36308	0.004591	0.92119	0.113569	0.01406	-0.00443
-0.08714	0.05987	-0.01514	0.74411	-0.00352	0.93955	-0.12426	0.00718	0.115243
0.009123	0.84413	-0.04486	0.33342	0.032779	0.47979	-0.1166	0.01168	0.0173
0.130846	0.00462	0.066071	0.154	0.029701	0.522	0.09536	0.03941	0.024634
0.082818	0.07378	0.042048	0.3646	-0.03075	0.50739	0.063558	0.17031	0.055094
0.030417	0.51201	0.035943	0.4384	0.046877	0.31208	-0.10484	0.02346	-0.01959
-0.12061	0.00908	-0.29795	4.99E-11	-0.2836	4.35E-10	-0.09777	0.03466	-0.32148
0.135759	0.00329	-0.00481	0.91745	0.019797	0.66959	0.089284	0.05384	0.129282
0.150903	0.00107	0.183595	6.58E-05	0.188475	4.15E-05	-0.01086	0.8149	0.079684
0.129113	0.0052	0.07819	0.09146	0.075368	0.10381	-0.02491	0.59127	-0.03583
0.214048	3.05E-06	0.17918	9.89E-05	0.097576	0.03503	0.23083	4.58E-07	0.182431
0.049728	0.28353	0.085834	0.06383	0.023974	0.60531	-0.13057	0.00471	-0.14197
0.059598	0.19858	0.064961	0.16105	0.037972	0.41297	-0.1412	0.00223	-0.12544
0.081647	0.07797	0.096748	0.03661	0.039038	0.39997	-0.04305	0.35329	-0.09688
0.260136	1.16E-08	0.234866	2.84E-07	0.276961	1.14E-09	0.089436	0.05343	0.001211
0.205462	7.60E-06	0.091188	0.0489	0.088866	0.05498	0.083143	0.07265	-0.06168
0.120524	0.00913	0.090762	0.04997	0.03891	0.40152	0.152056	0.00098	0.035007
0.014953	0.74724	-0.04706	0.3102	-0.08188	0.07713	0.085151	0.06598	0.142841
-0.16414	0.00037	-0.1164	0.01183	-0.21995	1.59E-06	-0.11182	0.01563	0.00318
-0.01204	0.79521	-0.03427	0.46001	-0.05936	0.20042	-0.05096	0.27174	0.051047
0.079606	0.08572	-0.06506	0.16044	0.006527	0.88812	-0.04666	0.31437	-0.09088
0.07975	0.08515	-0.0687	0.13826	-0.04244	0.3601	0.018388	0.69186	-0.00231
0.034687	0.45458	-0.09221	0.04642	-0.09577	0.03856	0.049156	0.28911	0.013344
0.121376	0.00865	0.020444	0.65946	0.005113	0.91226	0.064667	0.16296	-0.02382
0.097887	0.03445	-0.05514	0.2343	-0.05409	0.24338	0.045956	0.3217	-0.0695
0.068287	0.14062	-0.0027	0.95354	-0.05443	0.24039	-0.1021	0.02736	-0.02269

0.064113	0.1666	0.01532	0.74125	-0.01683	0.71672	0.043439	0.34894	-0.01056
0.019919	0.66768	0.004046	0.93052	-0.0446	0.33622	0.019027	0.68172	-0.01925
0.007946	0.86403	-0.0828	0.07383	-0.10127	0.02866	-0.0174	0.70767	-0.04208
0.084715	0.06739	0.051366	0.26796	0.042182	0.36308	0.028555	0.53819	-0.01057
0.123419	0.00758	0.01789	0.6998	0.040809	0.37891	0.040883	0.37805	-0.10795
-0.20035	1.29E-05	-0.13046	0.00474	-0.11289	0.01465	-0.02124	0.64702	0.098917
-0.06314	0.17317	-0.04593	0.32196	-0.04403	0.34237	-0.14305	0.00194	-0.19952
-0.01399	0.76303	0.109513	0.01791	0.002718	0.95329	0.154735	0.00079	0.13795
-0.12039	0.00921	-0.07518	0.10466	-0.09088	0.04967	-0.145	0.00168	0.013171
-0.05564	0.2301	0.062091	0.18041	0.069606	0.1331	0.033509	0.47005	0.077038
-0.09505	0.04006	-0.21459	2.87E-06	-0.15657	0.00069	-0.06153	0.18437	0.031749
0.063306	0.17202	-0.25342	2.81E-08	-0.19322	2.62E-05	-0.00358	0.93843	-0.07243
0.172392	0.00018	0.172788	0.00018	0.178972	0.0001	-0.00526	0.90981	-0.02727
0.07407	0.10991	-0.02802	0.54585	0.060312	0.19324	0.046171	0.31944	-0.16226
0.136631	0.00309	0.042189	0.36299	0.017585	0.70467	-0.05561	0.23036	-0.09554
0.040752	0.37959	0.193308	2.60E-05	0.096933	0.03626	0.073109	0.11462	0.134674
0.102458	0.02683	0.222222	1.23E-06	0.235186	2.73E-07	-0.06888	0.13721	0.131
0.076434	0.099	0.002162	0.96284	-0.00992	0.8307	0.10169	0.028	-0.07293
0.040432	0.38334	0.048243	0.29817	0.117539	0.01102	-0.0001	0.99824	-0.0852
-0.1036	0.02517	-0.09896	0.03251	-0.17922	9.86E-05	-0.01941	0.67568	0.070913
0.033306	0.47275	0.0556	0.23044	0.079457	0.08631	0.292089	1.23E-10	0.187853
0.030783	0.50695	0.019099	0.68059	0.018988	0.68234	0.16157	0.00046	0.065328
0.203183	9.63E-06	0.184007	6.33E-05	0.176442	0.00013	0.291679	1.30E-10	0.141509
0.03166	0.49491	0.027204	0.5576	0.057529	0.21464	-0.06605	0.15412	-0.03049
0.022767	0.62361	0.082027	0.07659	0.05909	0.20244	0.038429	0.40737	-0.00713
-0.17992	9.24E-05	-0.07121	0.12436	-0.26879	3.59E-09	0.036932	0.4259	0.130784
-0.05051	0.27601	-0.15235	0.00096	-0.17751	0.00012	-0.01032	0.8239	0.062015
-0.14685	0.00146	-0.21677	2.27E-06	-0.23279	3.63E-07	-0.04244	0.36009	-0.15521
-0.24955	4.63E-08	-0.07947	0.08625	-0.16836	0.00026	-0.1437	0.00185	-0.24913
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-0.06603	0.15429	0.090302	0.05115	0.07749	0.09441	-0.0118	0.79924	-0.02748
0.217535	2.08E-06	0.254227	2.53E-08	0.110296	0.01711	0.358164	1.40E-15	0.287263
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0.133545	0.00384	0.161332	0.00047	0.21058	4.43E-06	0.054753	0.23762	0.055329
0.030077	0.51674	0.068011	0.14224	0.038585	0.40546	0.012068	0.79479	0.019954
0.049086	0.2898	0.051768	0.26422	0.010323	0.82393	-0.01605	0.72936	0.057114
0.017186	0.71107	0.024356	0.59957	0.025922	0.57631	-0.00124	0.97866	-0.00396
-0.11143	0.01599	-0.02473	0.59396	-0.07083	0.12641	-0.03567	0.44194	-0.12007
0.071796	0.12129	-0.02502	0.58972	-0.0785	0.09017	0.070579	0.12775	0.074115
0.043847	0.34443	0.114505	0.01329	0.093001	0.04457	-0.01127	0.80806	0.093451
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-0.23109	4.44E-07	-0.21834	1.90E-06	-0.16157	0.00046	-0.18267	7.18E-05	-0.36973
0.171657	0.00019	0.000293	0.99497	-0.06306	0.17368	0.101024	0.02904	0.234314
-0.01485	0.74894	0.013134	0.77711	0.045697	0.32443	0.02954	0.52426	0.022728
-0.03159	0.49581	0.036405	0.43252	0.095663	0.03878	-0.0103	0.8243	0.038376

0.070277	0.12939	-0.00675	0.88441	0.025375	0.5844	0.090011	0.05191	0.037472
0.118765	0.01021	0.140519	0.00234	0.191012	3.25E-05	-0.03842	0.40747	-0.05789
0.015287	0.74179	-0.08072	0.0814	-0.03097	0.50431	-0.10334	0.02553	-0.06831
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0.016886	0.71589	-0.01084	0.81525	0.052561	0.25697	0.02996	0.51837	-0.04767
0.114175	0.01356	7.33E-05	0.99874	0.094367	0.04151	-0.14453	0.00174	-0.12788
0.154084	0.00084	0.206723	6.67E-06	0.222748	1.16E-06	0.154375	0.00082	0.156534
-0.19626	1.94E-05	-0.0788	0.08896	-0.01874	0.6862	-0.11356	0.01408	-0.13704
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0.055826	0.22854	0.09811	0.03404	0.108972	0.01849	0.050409	0.27698	0.104456
-0.05636	0.22408	-0.00635	0.8912	-0.20288	9.94E-06	0.04394	0.34341	-0.03453
0.078638	0.08961	0.213156	3.36E-06	0.032504	0.48348	0.174917	0.00015	0.263868
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0.057051	0.21848	0.029167	0.52952	-0.08997	0.05203	0.100293	0.03023	0.198332
0.287401	2.48E-10	0.166934	0.00029	0.315022	3.22E-12	0.122997	0.00779	-0.03809
0.068789	0.13772	0.044657	0.33558	0.056467	0.22324	0.0612	0.18675	0.091993
0.106538	0.0213	-0.02664	0.56581	0.025373	0.58442	-0.14291	0.00196	-0.14108
0.097067	0.036	-0.04448	0.33755	-0.01032	0.82398	-0.11656	0.01171	-0.14486
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0.192808	2.73E-05	0.308327	9.64E-12	0.098082	0.03409	0.287567	2.42E-10	0.380876
-0.00265	0.95439	0.037339	0.4208	-0.04557	0.32579	0.199589	1.39E-05	0.123756
0.099833	0.031	0.282308	5.26E-10	0.032148	0.48829	0.151407	0.00103	0.264723
-0.08566	0.06437	0.016585	0.72075	0.00446	0.92342	-0.05942	0.1999	-0.02114
-0.16264	0.00042	-0.1467	0.00148	-0.2857	3.20E-10	-0.06834	0.14033	-0.14852
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0.10174	0.02792	0.079824	0.08486	-0.01877	0.68577	0.332365	1.66E-13	0.279196
-0.20795	5.86E-06	-0.34326	2.33E-14	-0.31694	2.34E-12	-0.18008	9.11E-05	-0.14775
0.082857	0.07364	0.176596	0.00012	0.169335	0.00024	0.138122	0.00278	0.171309
-0.18389	6.40E-05	-0.29105	1.44E-10	-0.18981	3.65E-05	-0.16586	0.00032	-0.22997
0.026113	0.5735	0.09934	0.03185	0.118461	0.0104	0.02065	0.65624	-0.01929
0.025769	0.57858	0.105623	0.02244	0.124634	0.007	-0.03347	0.47061	0.007158
-0.07418	0.10938	0.077129	0.09595	0.057295	0.21652	-0.07032	0.12917	-0.04632
0.171286	0.0002	0.107183	0.02052	-0.05646	0.22333	0.133593	0.00383	0.272552
0.360218	9.37E-16	0.225249	8.74E-07	0.259016	1.35E-08	0.188234	4.25E-05	0.152949
0.086113	0.06297	0.130927	0.0046	0.126072	0.00637	-0.06054	0.19157	-0.18449
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0.090575	0.05045	0.01675	0.71807	0.089472	0.05334	-0.08906	0.05445	-0.21422
-0.13464	0.00356	-0.18713	4.72E-05	-0.10696	0.02079	-0.26014	1.16E-08	-0.24048
-0.15039	0.00112	-0.01467	0.75192	-0.01505	0.74561	-0.11706	0.01135	-0.09551
0.128604	0.00538	-0.09384	0.04268	-0.07046	0.12837	-0.0994	0.03174	-0.21656
-0.04719	0.30884	0.078872	0.08866	0.016124	0.72819	0.033577	0.46915	0.077117
-0.01038	0.82306	-0.07914	0.08756	0.011829	0.79876	0.026797	0.5635	-0.08535
0.005019	0.91386	-0.08663	0.0614	-0.02325	0.61631	-0.05839	0.20787	-0.06037
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0.08264	0.0744	-0.01335	0.77362	0.036156	0.43569	0.078111	0.09179	-0.09755
-0.0106	0.8193	-0.01574	0.73449	0.039031	0.40006	-0.18637	5.07E-05	-0.29074
0.183652	6.55E-05	0.179151	9.92E-05	0.203226	9.59E-06	0.018443	0.69098	-0.08303
0.179738	9.40E-05	0.344586	1.82E-14	0.362137	6.44E-16	0.083156	0.0726	0.112927
0.136847	0.00304	0.190148	3.54E-05	0.196259	1.94E-05	0.005407	0.90724	0.0353
-0.24537	7.85E-08	-0.11728	0.0112	-0.07691	0.09689	-0.2088	5.35E-06	-0.11669
-0.05668	0.22145	-0.10642	0.02145	-0.08876	0.05527	-0.16516	0.00034	-0.19071
0.137166	0.00298	0.269843	3.10E-09	0.296206	6.53E-11	0.123471	0.00756	0.047632
-0.02983	0.52019	-0.04854	0.29522	-0.18307	6.91E-05	-0.07598	0.10101	0.00381
0.039542	0.39391	0.065301	0.15886	0.109723	0.0177	0.04522	0.32952	-0.093
0.117542	0.01102	0.034488	0.45716	0.125831	0.00647	-0.09204	0.04683	-0.07378
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0.149468	0.0012	0.077105	0.09606	0.2271	7.07E-07	0.063277	0.17221	0.087201
0.114865	0.013	0.155138	0.00077	0.088718	0.05538	0.195664	2.06E-05	0.24242
-0.21129	4.11E-06	-0.23568	2.58E-07	-0.21308	3.39E-06	-0.0961	0.0379	-0.05639
-0.06527	0.15909	-0.25234	3.23E-08	-0.18333	6.75E-05	-0.09114	0.04901	-0.09391
0.092326	0.04614	0.125985	0.00641	0.248289	5.43E-08	0.035912	0.43879	0.014499
-0.07615	0.10026	-0.0498	0.28281	-0.03339	0.47161	0.039797	0.39087	0.213695
0.048396	0.29665	0.116602	0.01168	0.14861	0.00128	0.11548	0.01252	0.224968
-0.02831	0.54168	-0.01697	0.7145	0.031422	0.49816	-0.15472	0.00079	-0.08505
-0.03587	0.43935	0.112037	0.01542	0.105557	0.02253	0.035612	0.44262	0.093799
-0.24461	8.63E-08	-0.18231	7.42E-05	-0.07162	0.12219	-0.24942	4.71E-08	-0.19363
0.151244	0.00104	-0.02952	0.52453	0.05747	0.21511	-0.05224	0.2599	-0.12803
0.031153	0.50185	0.07524	0.1044	0.093416	0.04362	-0.00411	0.92949	0.059865
-0.00835	0.85717	-0.14014	0.0024	-0.15005	0.00114	-0.11811	0.01063	-0.17143
0.077242	0.09547	0.03117	0.50162	0.074954	0.10573	0.025288	0.58569	0.041369
0.06248	0.17769	0.028141	0.54411	0.016787	0.71748	-0.04019	0.38621	-0.0263
-0.05416	0.24272	0.104738	0.0236	0.124039	0.00728	0.000913	0.9843	0.014777
0.208984	5.25E-06	0.330761	2.20E-13	0.322763	8.77E-13	0.157573	0.00063	0.268486
0.099435	0.03168	0.181461	8.02E-05	0.182157	7.52E-05	0.054502	0.23979	0.04308
0.10575	0.02228	0.182762	7.11E-05	0.191744	3.03E-05	-0.02032	0.66139	0.038904
0.271579	2.44E-09	0.32542	5.57E-13	0.215262	2.67E-06	0.038022	0.41236	0.036441
-0.15669	0.00068	-0.32259	9.04E-13	-0.18059	8.69E-05	-0.27331	1.91E-09	-0.32967
0.26257	8.39E-09	0.171467	0.0002	0.141252	0.00222	0.083015	0.07309	0.082348
0.135237	0.00341	-0.02776	0.54961	-0.12321	0.00769	-0.04445	0.33787	-0.1865
0.120839	0.00895	0.055789	0.22886	0.043904	0.34379	-0.01641	0.72351	-0.27201
0.013517	0.77079	-0.00847	0.85522	0.042452	0.36001	-0.03574	0.44097	0.029835
0.15879	0.00057	0.012126	0.79383	0.041131	0.37516	0.015677	0.73544	-0.11024
0.13885	0.00264	-0.03312	0.47525	-0.09769	0.03481	0.168078	0.00026	0.022941
-0.12082	0.00896	-0.21706	2.19E-06	-0.30097	3.11E-11	-0.09907	0.03231	-0.07595
0.055069	0.23492	0.227168	7.01E-07	0.073689	0.11176	0.085042	0.06633	0.161905
-0.00182	0.96872	-0.14291	0.00196	-0.03947	0.39477	-0.14475	0.00171	-0.10713

-0.20748	6.16E-06	-0.2594	1.28E-08	-0.23416	3.09E-07	-0.09811	0.03404	-0.06661
0.178703	0.0001	-0.01727	0.70972	0.102936	0.02612	-0.02023	0.66287	-0.12962
0.000883	0.98481	-0.01175	0.8	-0.01685	0.71643	0.02162	0.64121	-0.09678
0.033964	0.46404	0.015827	0.733	0.038774	0.40317	-0.09303	0.0445	-0.07989
0.040174	0.38639	-0.00311	0.94649	0.018316	0.693	0.036315	0.43366	-0.00171
0.05525	0.23339	0.022399	0.62923	0.0338	0.4662	0.062198	0.17966	0.125714
0.066345	0.1523	0.006519	0.88826	0.018318	0.69296	0.118216	0.01056	-0.03226
0.025095	0.58856	0.023581	0.61124	-0.00058	0.99009	0.036819	0.42731	-0.02679
-0.08046	0.08239	0.017466	0.70657	0.073065	0.11483	-0.1061	0.02184	-0.11744
0.158458	0.00059	-0.2816	5.83E-10	-0.10324	0.02568	-0.01065	0.81844	-0.10849
-0.02016	0.66386	-0.09562	0.03887	-0.13772	0.00286	0.055014	0.23539	-0.1337
-0.00457	0.92152	0.049243	0.28826	0.113726	0.01393	-0.0997	0.03123	-0.10008
0.055718	0.22945	0.140892	0.00227	0.124338	0.00714	-0.13911	0.00259	-0.10017
-0.06978	0.13211	-0.04371	0.34599	-0.00884	0.84897	-0.07316	0.11438	-0.06123
-0.023	0.62	-0.00816	0.86034	0.022646	0.62545	0.088725	0.05537	0.064682
0.207117	6.40E-06	0.157553	0.00063	0.254612	2.41E-08	-0.02216	0.63294	0.031803
0.260199	1.15E-08	0.107893	0.01969	0.344603	1.82E-14	0.126153	0.00634	-0.0865
-0.0089	0.84793	-0.01353	0.77062	-0.01133	0.80714	-0.01623	0.72655	-0.05249
-0.09926	0.03199	-0.12021	0.00932	-0.11104	0.01637	-0.11565	0.01239	-0.16243
0.07413	0.10963	0.023588	0.61114	0.027085	0.55932	0.137236	0.00296	0.139451
-0.21695	2.22E-06	-0.20526	7.77E-06	-0.12771	0.00571	-0.15575	0.00073	-0.16538
0.064076	0.16685	0.02897	0.53231	0.049465	0.28609	0.026694	0.56501	-0.03607
-0.03609	0.43656	-0.08109	0.08002	-0.01591	0.73165	0.055153	0.23422	-0.0963
0.122981	0.0078	0.08767	0.05834	0.123767	0.00741	0.178336	0.00011	0.040842
0.155057	0.00077	0.15422	0.00083	0.192908	2.70E-05	0.054246	0.242	0.043568
0.089123	0.05428	0.075014	0.10545	0.085222	0.06576	-0.06109	0.18758	-0.16075
0.17326	0.00017	0.091581	0.04794	0.063447	0.17106	0.102969	0.02607	0.029497
0.064243	0.16575	0.093742	0.04289	0.092882	0.04484	-0.0642	0.16603	-0.10013
-0.10801	0.01956	0.19387	2.46E-05	0.121307	0.00869	0.031118	0.50233	0.152133
-0.11441	0.01336	-0.16509	0.00034	-0.16521	0.00034	-0.11292	0.01462	-0.18692
-0.0561	0.22628	0.061939	0.18148	0.048856	0.29207	-0.04615	0.31961	-0.00791
0.164681	0.00035	0.23587	2.52E-07	0.336665	7.71E-14	0.003941	0.93231	0.074464
0.00751	0.87141	-0.12593	0.00643	0.048339	0.29721	-0.12861	0.00538	0.026156
0.091847	0.04729	0.003855	0.93378	0.059079	0.20253	-0.02958	0.52373	0.00498
0.217249	2.15E-06	0.188601	4.10E-05	0.275195	1.46E-09	0.152969	0.00091	0.26002
0.046013	0.32109	0.183709	6.51E-05	0.178401	0.00011	0.08701	0.06027	0.168332
-0.1275	0.00579	-0.04976	0.28322	-0.08046	0.08242	-0.102	0.02751	-0.07408
-0.15611	0.00071	-0.09487	0.04043	-0.07502	0.10542	-0.00684	0.88273	-0.05428
-0.08087	0.08086	-0.25851	1.44E-08	-0.19476	2.25E-05	-0.05362	0.24745	-0.35346
-0.17394	0.00016	-0.17297	0.00017	-0.12993	0.00492	-0.22217	1.24E-06	-0.17544
0.156348	0.0007	0.000616	0.9894	0.087915	0.05764	-0.07552	0.10311	-0.24839
0.116128	0.01203	-0.08173	0.07766	-0.13684	0.00304	0.070409	0.12867	0.151338
0.086372	0.06218	0.07145	0.1231	0.106586	0.02124	0.047924	0.30139	0.254086
-0.01149	0.8044	-0.02436	0.5995	-0.01751	0.70584	-0.10509	0.02313	-0.11428
0.139702	0.00248	0.298686	4.45E-11	0.244878	8.35E-08	0.017626	0.70401	0.110296

-0.05585	0.22832	-0.2339	3.18E-07	-0.04336	0.3498	-0.25688	1.79E-08	-0.28612
0.08155	0.07832	0.174468	0.00015	0.133519	0.00385	-0.00662	0.88649	-0.06696
0.085149	0.06599	0.174949	0.00014	0.190497	3.42E-05	0.138397	0.00272	0.073769
0.363742	4.69E-16	0.189015	3.94E-05	0.140654	0.00231	0.137504	0.0029	0.102364
0.089373	0.0536	-0.16106	0.00048	-0.20219	1.07E-05	0.140243	0.00238	-0.0652
0.300993	3.10E-11	0.277798	1.01E-09	0.305147	1.61E-11	0.155575	0.00074	0.057945
-0.04084	0.3785	-0.0104	0.82267	0.049984	0.28106	-0.18621	5.15E-05	-0.20975
0.146843	0.00146	0.234536	2.95E-07	0.175976	0.00013	0.155239	0.00076	0.129161
-0.06022	0.19389	-0.00959	0.83621	-0.03356	0.46937	-0.02885	0.53399	0.017151
-0.12358	0.0075	-0.10717	0.02054	-0.10223	0.02717	-0.23613	2.44E-07	-0.12824
0.156139	0.00071	0.138935	0.00262	0.194782	2.25E-05	0.182245	7.46E-05	0.004777
0.308905	8.78E-12	0.104739	0.0236	0.184102	6.28E-05	0.21504	2.74E-06	0.036269
0.138787	0.00265	-0.12806	0.00558	-0.28503	3.53E-10	0.160219	0.00051	0.170258
-0.09978	0.03109	-0.0493	0.28768	-0.10622	0.02169	-0.23167	4.15E-07	-0.18746
-0.24113	1.33E-07	-0.25793	1.56E-08	-0.29599	6.75E-11	-0.05949	0.19942	-0.01131
0.244581	8.66E-08	0.105082	0.02314	0.218342	1.90E-06	-0.07158	0.12243	0.024325
0.190808	3.32E-05	0.230052	5.02E-07	0.172359	0.00018	0.237956	1.96E-07	0.097779
-0.09629	0.03751	-0.0236	0.61101	-0.00282	0.95156	-0.10224	0.02716	-0.09653
0.12296	0.00781	0.097422	0.03532	0.079117	0.08767	0.07213	0.11956	-0.11375
0.001806	0.96896	0.096455	0.03719	0.043542	0.34779	-0.05416	0.24278	0.026398
0.072005	0.12021	0.150611	0.0011	0.162598	0.00042	-0.08605	0.06316	-0.20102
-0.0765	0.09871	-0.0848	0.06712	-0.17133	0.0002	-0.24241	1.13E-07	-0.33496
0.042421	0.36036	0.083119	0.07273	0.043704	0.346	0.024877	0.5918	0.153853
-0.03671	0.42862	-0.02094	0.65176	-0.02403	0.60452	0.029743	0.52142	-0.12365
-0.06493	0.16127	-0.09695	0.03623	-0.05561	0.23033	-0.04921	0.28857	-0.17717
-0.02289	0.62167	-0.03664	0.42952	0.015926	0.7314	-0.08986	0.05231	-0.31507
-0.01903	0.68173	-0.01574	0.73439	0.131156	0.00453	-0.14369	0.00185	-0.17231
0.076196	0.10005	0.099362	0.03181	0.099279	0.03195	-0.13468	0.00355	-0.16442
-0.07163	0.12216	0.199085	1.46E-05	0.123858	0.00737	-0.03756	0.4181	-0.09213
-0.03151	0.49691	-0.02169	0.64014	0.006644	0.88613	-0.16875	0.00025	-0.37612
0.035445	0.44477	0.049954	0.28135	0.057599	0.21408	-0.01223	0.79203	0.01204
0.058987	0.20323	-0.24926	4.80E-08	-0.1331	0.00396	-0.06912	0.13581	-0.17095
0.125686	0.00654	-0.0117	0.8009	0.048502	0.29558	-0.10041	0.03004	-0.28871
-0.28932	1.86E-10	-0.17989	9.27E-05	-0.11314	0.01443	-0.19612	1.97E-05	-0.26045
-0.04465	0.33561	0.039909	0.38953	0.105597	0.02248	0.032885	0.47836	0.104787
0.095503	0.03911	0.137852	0.00283	0.177989	0.00011	-0.06554	0.15733	0.017574
-0.04247	0.35976	-0.11335	0.01425	-0.00247	0.95757	-0.0376	0.41759	-0.11845
0.135139	0.00343	0.329516	2.73E-13	0.312346	5.01E-12	0.185202	5.66E-05	0.26662
0.078256	0.09119	0.070289	0.12933	0.065264	0.15911	-0.02293	0.62116	-0.03363
0.093321	0.04383	0.019663	0.6717	0.05443	0.24041	-0.1335	0.00385	-0.20569
0.022334	0.63022	-0.00841	0.85616	0.019377	0.6762	0.003963	0.93194	-0.11885
0.221476	1.34E-06	0.152629	0.00094	0.171077	0.0002	0.265868	5.37E-09	0.414248
-0.06284	0.17521	-0.02777	0.54948	0.124049	0.00728	-0.05865	0.20582	-0.17847
-0.04746	0.30609	-0.12226	0.00817	-0.04832	0.29741	-0.11688	0.01148	-0.09557
0.046378	0.31727	0.053455	0.24895	0.033535	0.46971	0.025038	0.5894	0.095552

-0.06619	0.15325	-0.00627	0.89246	-0.02486	0.59199	-0.07649	0.09875	-0.11925
0.095013	0.04013	0.191551	3.09E-05	0.213973	3.07E-06	0.148596	0.00128	0.085765
0.109041	0.01842	0.079888	0.08461	0.08793	0.0576	-0.08246	0.07503	-0.12728
0.086102	0.06301	-0.10583	0.02218	-0.00312	0.94643	-0.05209	0.26128	-0.03972
-0.30339	2.12E-11	-0.31611	2.69E-12	-0.24715	6.28E-08	-0.20381	9.03E-06	-0.39639
0.057814	0.21238	-0.05695	0.21933	0.004761	0.91826	-0.20215	1.07E-05	-0.26133
0.139432	0.00253	0.128574	0.00539	0.06167	0.18339	0.067336	0.14625	-0.04785
0.055126	0.23444	-0.03803	0.41222	-0.00221	0.96206	0.085512	0.06484	-0.09157
-0.22059	1.48E-06	-0.21989	1.60E-06	-0.20512	7.88E-06	-0.01877	0.68578	0.072554
-0.12455	0.00704	-0.09764	0.0349	-0.06168	0.1833	-0.06154	0.18431	0.038084
-0.08596	0.06344	-0.12357	0.00751	-0.09084	0.04978	-0.15961	0.00054	-0.19669
0.20864	5.45E-06	0.25014	4.29E-08	0.359475	1.08E-15	-0.04206	0.36442	0.024189
0.005187	0.91098	0.035197	0.44796	0.088578	0.05577	-0.10386	0.0248	-0.16469
0.134148	0.00368	-0.01796	0.6986	0.079116	0.08767	-0.15579	0.00073	-0.18987
0.043631	0.34681	0.099157	0.03217	0.045282	0.32885	0.058425	0.20757	0.03411
0.006676	0.88559	-0.07935	0.08674	-0.04337	0.34973	-0.23432	3.03E-07	-0.32022
-0.01936	0.67654	0.042543	0.35898	0.035666	0.44194	0.010006	0.82925	-0.01029
0.097861	0.0345	0.123343	0.00762	0.18493	5.81E-05	0.004273	0.92662	-0.01603
-0.08216	0.07609	-0.12704	0.00598	0.016865	0.71624	-0.2925	1.15E-10	-0.21344
0.151098	0.00106	0.031652	0.49502	-0.05643	0.22351	0.184087	6.29E-05	0.171297
-0.09004	0.05182	-0.12504	0.00682	-0.06889	0.13715	0.000674	0.98841	-0.00351
0.221839	1.29E-06	0.003384	0.94186	-0.03533	0.44631	0.281781	5.68E-10	0.265809
0.086814	0.06085	0.256528	1.88E-08	0.239898	1.54E-07	0.038557	0.4058	0.065286
0.159563	0.00054	0.059544	0.19898	0.071974	0.12037	-0.06712	0.14754	-0.24396
0.203478	9.34E-06	0.252561	3.14E-08	0.141609	0.00216	0.192127	2.92E-05	0.211448
-0.01432	0.75752	0.064228	0.16584	-0.0024	0.95873	0.028619	0.53729	0.30399
-0.1566	0.00068	-0.02761	0.55172	0.022206	0.63219	-0.11866	0.01027	-0.13382
-0.02448	0.59777	-0.05741	0.2156	-0.0932	0.04411	-0.12085	0.00895	-0.18435
0.11352	0.01411	-0.31534	3.06E-12	-0.19622	1.95E-05	-0.24711	6.31E-08	-0.31984
-0.08433	0.06864	-0.07423	0.10917	0.012502	0.78758	-0.16167	0.00045	-0.24069
0.040992	0.37678	0.119277	0.00988	0.120398	0.00921	0.099643	0.03133	0.03956
-0.00669	0.88539	-0.01284	0.78205	1.02E-05	0.99983	-0.25667	1.84E-08	-0.33425
0.127307	0.00587	0.261653	9.50E-09	0.192687	2.76E-05	0.156762	0.00067	0.128821
0.183295	6.77E-05	0.164905	0.00035	0.152064	0.00098	0.223173	1.11E-06	0.06908
0.141463	0.00218	0.205477	7.59E-06	0.123237	0.00767	0.160669	0.00049	0.269145
0.209232	5.12E-06	0.096167	0.03776	0.182589	7.23E-05	0.198315	1.58E-05	0.279654
-0.10196	0.02758	-0.06109	0.18754	-0.08568	0.06431	0.045467	0.32687	-0.00788
-0.18935	3.82E-05	-0.28635	2.90E-10	-0.16751	0.00028	-0.10418	0.02436	-0.10805
0.059975	0.19575	0.053255	0.25072	0.044793	0.33411	-0.02781	0.54887	-0.01655
0.316629	2.47E-12	0.087741	0.05813	0.229032	5.65E-07	0.108606	0.01889	-0.00741
0.263799	7.11E-09	0.103702	0.02502	0.210664	4.39E-06	0.084932	0.06668	-0.15104
0.252314	3.25E-08	0.338291	5.75E-14	0.325662	5.34E-13	0.282745	4.93E-10	0.259804
-0.21958	1.66E-06	-0.14315	0.00193	-0.17452	0.00015	-0.2379	1.97E-07	0.060748
0.320276	1.34E-12	0.061976	0.18122	0.155424	0.00075	0.161068	0.00048	0.108577
-0.15044	0.00111	-0.05767	0.21351	-0.06654	0.15107	-0.12275	0.00792	-0.23762

0.139027	0.0026	0.216413	2.36E-06	0.210107	4.66E-06	-0.00107	0.98158	-0.16764
0.268834	3.57E-09	0.200573	1.26E-05	0.220313	1.53E-06	0.150807	0.00108	-0.06181
0.110866	0.01654	0.105626	0.02244	0.099212	0.03207	-0.00715	0.87747	-0.3229
-0.07876	0.08912	-0.04745	0.30619	0.086903	0.06059	-0.15759	0.00063	-0.1672
-0.05462	0.23878	0.025761	0.57869	-0.0039	0.93309	-0.05826	0.20887	-0.00865
-0.09164	0.0478	0.014516	0.75439	-0.00872	0.85089	-0.05675	0.22095	-0.02532
-0.05999	0.1956	-0.00241	0.95858	-0.01631	0.72521	-0.06657	0.15089	-0.01476
-0.01731	0.70904	-0.0035	0.9399	-0.01195	0.79683	-0.04891	0.29156	0.043553
-0.01611	0.72842	-0.05947	0.19951	-0.01238	0.7896	-0.1699	0.00023	-0.2717
0.139389	0.00254	0.057102	0.21806	0.100425	0.03002	0.064747	0.16244	-0.04203
-0.26979	3.13E-09	-0.23052	4.75E-07	-0.27594	1.32E-09	-0.04828	0.29782	-0.00466
0.049981	0.28108	-0.17089	0.00021	-0.05549	0.23133	0.041005	0.37663	-0.0071
0.198694	1.52E-05	-0.09627	0.03756	0.019417	0.67557	0.008413	0.85611	-0.00365
0.051675	0.26508	-0.13467	0.00355	-0.13647	0.00313	-0.12584	0.00647	-0.20673
-0.06852	0.13929	-0.24346	9.96E-08	-0.19371	2.50E-05	-0.1924	2.84E-05	-0.28454
0.115015	0.01288	0.065834	0.15549	0.049581	0.28496	0.010229	0.82551	-0.14961
0.00412	0.92925	0.169967	0.00022	0.076951	0.09673	-0.01135	0.80668	-0.00032
0.052011	0.26198	-0.08203	0.07659	-0.02459	0.59601	0.035458	0.4446	0.254166
0.053879	0.24521	0.065647	0.15667	0.039768	0.3912	0.077573	0.09405	-0.04002
-0.08783	0.05787	-0.05921	0.20154	-0.0592	0.20161	-0.1123	0.01518	-0.28346
0.104845	0.02346	0.063264	0.1723	0.069935	0.13127	-0.17817	0.00011	-0.08201
-0.22025	1.54E-06	-0.28763	2.40E-10	-0.19637	1.92E-05	-0.24188	1.21E-07	-0.21635
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0.068998	0.13653	-0.1706	0.00021	-0.04974	0.28339	0.199322	1.43E-05	-0.02239
0.140588	0.00233	0.205651	7.46E-06	0.322171	9.70E-13	0.07224	0.119	-0.13358
0.095222	0.03969	0.036905	0.42623	0.138321	0.00274	-0.20118	1.18E-05	-0.08542
-0.0401	0.38726	-0.0391	0.3992	0.08946	0.05337	-0.12337	0.0076	-0.12111
-0.08671	0.06117	-0.21762	2.06E-06	-0.08581	0.06391	-0.2141	3.03E-06	-0.2984
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-0.12699	0.006	-0.02906	0.53101	-0.05456	0.23926	-0.11714	0.0113	-0.10117
-0.0805	0.08223	-0.11301	0.01455	-0.08469	0.06746	-0.14186	0.00212	0.01458
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-0.00378	0.93515	-0.07222	0.11911	-0.01813	0.69603	-0.09695	0.03622	-0.02777
-0.12187	0.00838	-0.09902	0.0324	-0.08807	0.05719	-0.01088	0.81463	0.091729
-0.06784	0.14325	-0.0159	0.73185	-0.00935	0.84022	0.004327	0.9257	-0.02401
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0.038854	0.4022	-0.05803	0.21069	0.024034	0.60441	-0.14923	0.00122	-0.25246
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0.026727	0.56452	-0.05153	0.26639	0.006183	0.89399	-0.19582	2.03E-05	-0.20847
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-0.31212	5.20E-12	-0.04631	0.31802	-0.15559	0.00074	-0.10674	0.02105	0.048088
0.062691	0.17623	0.22088	1.43E-06	0.104844	0.02346	-0.02954	0.52424	0.129634
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0.124852	0.0069	0.007079	0.87873	-0.0119	0.79754	0.070892	0.12606	-0.21188
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0.095493	0.03913	-0.06717	0.14727	-0.00243	0.95815	0.056743	0.22098	-0.04117
0.087227	0.05963	0.023148	0.61781	0.037927	0.41352	0.063979	0.16749	0.007341
0.012515	0.78736	-0.02483	0.59249	0.003457	0.94061	0.092889	0.04482	0.273662
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0.038716	0.40387	0.049667	0.28412	0.043217	0.35141	0.065293	0.15892	0.003367
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0.063144	0.17312	-0.05688	0.21989	0.037633	0.41715	-0.08632	0.06234	-0.07207
0.06999	0.13097	0.02009	0.665	0.084628	0.06767	0.053248	0.25079	0.10826
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0.036521	0.43106	0.027842	0.54839	0.034748	0.45378	0.028718	0.53587	-0.01284
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-0.15666	0.00068	-0.22654	7.54E-07	-0.17472	0.00015	-0.15241	0.00095	-0.1295
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-0.02016	0.66394	-0.05388	0.24524	0.035123	0.44893	-0.20081	1.23E-05	-0.25329
0.074426	0.10821	0.025646	0.58039	0.055811	0.22867	0.09576	0.03858	0.024885
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0.055383	0.23226	0.115434	0.01255	0.101078	0.02896	0.083354	0.07192	0.048684
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0.21932	1.71E-06	0.174153	0.00016	0.337266	6.92E-14	0.07315	0.11441	-0.04118
0.07984	0.0848	0.094414	0.04141	0.074132	0.10962	0.138139	0.00278	0.039738
0.124503	0.00706	0.075035	0.10535	0.040391	0.38382	0.062677	0.17632	0.01681
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0.0369	0.42629	0.142758	0.00198	0.002863	0.9508	0.068146	0.14145	0.081887
0.137645	0.00288	0.104236	0.02428	0.181423	8.05E-05	0.033487	0.47034	0.017987
0.160104	0.00051	0.191738	3.03E-05	0.263186	7.72E-09	-0.00529	0.90917	0.256442
0.173736	0.00016	-0.03957	0.3936	0.18715	4.71E-05	-0.19784	1.66E-05	-0.19704
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0.212798	3.49E-06	-0.09498	0.0402	0.037552	0.41816	0.002937	0.94953	-0.01117
0.269131	3.43E-09	0.278871	8.66E-10	0.218563	1.86E-06	0.199886	1.35E-05	0.022626
0.071193	0.12446	0.104354	0.02412	0.016595	0.72058	-0.00528	0.90944	0.04207
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0.016109	0.72843	-0.06674	0.14986	-0.07535	0.10388	0.065076	0.16031	-0.06807
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0.027744	0.5498	0.043036	0.35343	0.11058	0.01682	0.016069	0.72908	-0.03225
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0.073799	0.11123	0.053986	0.24428	0.103944	0.02468	0.061076	0.18765	0.054541
0.025979	0.57547	0.002685	0.95386	0.030064	0.51693	-0.00972	0.83404	0.000337
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0.004877	0.91629	0.048001	0.30061	0.066875	0.14904	-0.0111	0.81091	-0.0092
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0.023547	0.61176	0.043441	0.34891	0.046706	0.31386	-0.14617	0.00154	-0.13583
0.306296	1.34E-11	0.215452	2.62E-06	0.161758	0.00045	0.184451	6.08E-05	0.204496
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-0.25672	1.83E-08	-0.21235	3.67E-06	-0.17559	0.00014	-0.29147	1.35E-10	-0.16538
-0.06526	0.15912	-0.09871	0.03295	-0.13714	0.00298	0.066749	0.14981	0.008462
-0.08992	0.05214	-0.08152	0.07842	-0.09646	0.03719	-0.00566	0.90288	-0.05319
-0.02682	0.56318	0.040289	0.38503	-0.00164	0.97179	0.012547	0.78683	0.07721
-0.02755	0.55253	0.01346	0.77174	0.0799	0.08457	-0.11029	0.01711	-0.15236
0.0273	0.5562	-0.00717	0.87711	-0.03814	0.41095	-0.03947	0.39482	-0.05635
-0.20875	5.38E-06	-0.19567	2.06E-05	-0.20999	4.72E-06	-0.02902	0.53156	0.13989
-0.01096	0.81322	-0.18954	3.75E-05	-0.10235	0.02699	-0.03276	0.48007	-0.03314
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0.065545	0.15732	0.050906	0.27227	0.037137	0.42333	-0.06803	0.14212	-0.10038
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0.161794	0.00045	-0.02484	0.59239	0.031644	0.49513	-0.01985	0.6687	-0.05596
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0.116581	0.0117	0.26011	1.17E-08	0.088296	0.05656	0.146051	0.00155	0.226231
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-0.12166	0.00849	-0.0026	0.95539	-0.13639	0.00314	0.052619	0.25644	0.237245
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0.004305	0.92607	-0.10703	0.02071	-0.06743	0.14568	-0.0769	0.09694	-0.15003
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0.250546	4.07E-08	0.221033	1.41E-06	0.202454	1.04E-05	0.092693	0.04528	0.218635
0.080884	0.0808	-0.03505	0.4499	0.003337	0.94266	-0.0253	0.58552	-0.15518
0.016152	0.72774	-0.0484	0.29657	0.022153	0.63301	0.02213	0.63336	-0.06731
0.030274	0.51399	0.13189	0.0043	0.13405	0.00371	-0.04157	0.37009	-0.02697
0.002475	0.95746	0.03564	0.44226	0.018248	0.69408	0.032501	0.48352	0.007797
0.056863	0.22	-0.00285	0.95108	0.105982	0.02199	-0.14067	0.00231	-0.23962
0.073535	0.11251	-0.06991	0.1314	-0.05389	0.24507	0.112418	0.01507	-0.09388
0.064094	0.16673	0.012924	0.78059	0.006811	0.88329	0.015291	0.74173	-0.06276
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0.106597	0.02122	0.091506	0.04812	0.083332	0.072	0.145636	0.0016	-0.02623

0.067007	0.14824	0.047477	0.30593	0.043812	0.34481	0.055312	0.23286	-0.0027
0.054597	0.23897	0.049094	0.28972	0.155864	0.00073	-0.01819	0.69504	0.060792
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0.193471	2.56E-05	0.088592	0.05573	0.191287	3.17E-05	-0.05892	0.20377	0.102596
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0.04488	0.33317	0.032032	0.48986	0.064239	0.16577	0.032188	0.48774	-0.10951
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0.033605	0.46878	-0.09528	0.03957	-0.00675	0.88434	-0.04358	0.34737	-0.2521
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0.072323	0.11858	-0.02797	0.5465	0.09255	0.04561	0.012218	0.79229	-0.19845
0.079289	0.08698	0.079826	0.08486	0.089296	0.05381	0.078927	0.08844	-0.01013
0.024955	0.59064	-0.04688	0.31203	0.032767	0.47994	-0.10559	0.02249	-0.00352
0.003706	0.93633	-0.07881	0.0889	-0.08245	0.07509	0.062814	0.17538	0.236969
0.114582	0.01322	0.075946	0.10118	0.118638	0.01029	-0.12565	0.00655	-0.19453
0.025337	0.58496	-0.03523	0.44755	0.014943	0.74739	-0.05905	0.20275	-0.0027
0.038096	0.41144	0.052424	0.25821	0.036823	0.42726	0.103587	0.02518	0.15328
0.28158	5.85E-10	0.143327	0.0019	0.085489	0.06491	0.012697	0.78434	-0.02184
-0.17217	0.00018	-0.04993	0.2816	-0.00041	0.99297	-0.00802	0.8628	-0.19344
-0.2049	8.06E-06	-0.28369	4.29E-10	-0.2192	1.73E-06	-0.17503	0.00014	-0.26402
-0.14636	0.00152	-0.16963	0.00023	-0.27657	1.20E-09	-0.05067	0.27453	0.077508
0.083276	0.07219	-0.0843	0.06874	-0.05135	0.26808	-0.10971	0.01771	-0.23033
-0.06022	0.19389	0.082905	0.07347	-0.07982	0.08486	0.123603	0.00749	0.085398
0.08739	0.05915	0.152065	0.00098	0.153111	0.0009	-0.0506	0.27512	-0.13599
0.096955	0.03621	0.038044	0.41209	0.016314	0.72512	0.110828	0.01658	-0.00569
-0.01658	0.72076	0.085852	0.06378	0.044255	0.33995	-0.09479	0.04061	-0.07336
-0.27374	1.80E-09	-0.26849	3.74E-09	-0.27293	2.02E-09	-0.08829	0.05659	-0.00878
0.043475	0.34854	-0.07898	0.08821	-0.03167	0.49471	-0.05479	0.23733	-0.17063
0.338523	5.52E-14	0.105494	0.02261	0.162842	0.00041	0.189855	3.64E-05	0.103011
0.260259	1.14E-08	0.293293	1.02E-10	0.297801	5.10E-11	0.193827	2.47E-05	0.223309
-0.07553	0.10307	-0.20176	1.11E-05	-0.0628	0.1755	-0.17827	0.00011	-0.31924
0.234788	2.86E-07	0.117019	0.01138	0.173441	0.00017	-0.00982	0.83237	-0.26708
0.019961	0.66701	-0.12547	0.00663	-0.1459	0.00157	-0.15308	0.0009	-0.09897
-0.07459	0.10744	-0.11576	0.0123	-0.02713	0.55872	-0.14058	0.00233	-0.40208
0.290627	1.53E-10	0.322249	9.58E-13	0.321325	1.12E-12	0.259977	1.19E-08	0.099311
0.198197	1.60E-05	0.127356	0.00585	0.153311	0.00089	0.023314	0.61529	0.011797
0.004928	0.91541	0.189982	3.59E-05	0.105854	0.02215	0.091424	0.04832	0.112815
0.02388	0.60673	0.008871	0.84838	0.014842	0.74905	-0.03237	0.48527	0.013036
-0.18478	5.89E-05	-0.15866	0.00058	-0.13755	0.0029	-0.0392	0.39802	-0.07777
0.19141	3.13E-05	0.305979	1.41E-11	0.27684	1.16E-09	0.147264	0.00142	0.294046
0.015431	0.73944	0.068924	0.13695	0.048047	0.30014	0.004681	0.91965	-0.04994

0.134337	0.00363	0.182511	7.28E-05	0.139319	0.00255	0.198814	1.50E-05	0.180756
-0.24467	8.57E-08	-0.15244	0.00095	-0.14848	0.00129	-0.14131	0.00221	-0.20453
-0.06593	0.15488	-0.13119	0.00451	-0.11181	0.01564	-0.21763	2.06E-06	-0.41037
-0.05314	0.25171	-0.06499	0.16084	-0.01892	0.68346	-0.03238	0.48519	-0.15733
-0.0592	0.20156	0.029122	0.53015	-0.02371	0.60936	0.041059	0.376	0.088134
0.147332	0.00141	0.053834	0.24561	0.196485	1.90E-05	0.016964	0.71463	-0.06218
0.122521	0.00803	-0.2108	4.33E-06	-0.13284	0.00403	0.028415	0.54019	-0.11416
0.065331	0.15868	0.019027	0.68173	0.069037	0.13631	0.006734	0.8846	-0.1985
0.089531	0.05318	-0.00152	0.97389	0.004253	0.92697	0.093001	0.04457	-0.04331
0.131349	0.00447	0.200058	1.33E-05	0.131068	0.00455	0.151746	0.001	0.14341
0.090687	0.05016	0.119004	0.01005	0.129552	0.00505	-0.01468	0.75166	0.266608
0.045929	0.32198	0.193888	2.46E-05	0.056872	0.21993	-0.03565	0.44216	0.066911
-0.05881	0.20459	-0.02838	0.5407	-0.06223	0.17942	-0.12172	0.00846	-0.1824
0.22584	8.17E-07	0.166901	0.00029	0.260207	1.15E-08	0.228648	5.91E-07	0.191956
0.254192	2.55E-08	0.23262	3.71E-07	0.254971	2.30E-08	0.107052	0.02068	0.163533
0.016157	0.72765	0.067423	0.14573	0.094057	0.04219	0.061502	0.18459	-0.03179
0.028311	0.54167	-0.00495	0.91503	0.016177	0.72734	0.052313	0.25922	-0.06092
0.086164	0.06282	0.112059	0.0154	0.109085	0.01837	0.090904	0.04962	0.069977
0.005456	0.9064	0.018197	0.69489	0.063759	0.16896	-0.05612	0.22611	-0.02311
0.045843	0.32289	-0.21706	2.19E-06	-0.13366	0.00381	-0.02978	0.52091	-0.04718
-0.15504	0.00077	0.096619	0.03687	-0.04822	0.29842	0.049104	0.28963	0.211383
0.107278	0.02041	0.128419	0.00545	0.14944	0.0012	-0.04946	0.28614	0.039992
0.062738	0.17591	0.192096	2.93E-05	0.273072	1.98E-09	-0.10065	0.02965	0.035888
0.243477	9.94E-08	0.259883	1.20E-08	0.282994	4.76E-10	-0.01341	0.77262	-0.08188
0.093781	0.0428	-0.04379	0.3451	0.048661	0.294	-0.19619	1.96E-05	-0.27048
0.013706	0.76768	-0.07649	0.09874	0.052194	0.2603	-0.17185	0.00019	-0.22764
0.158212	0.0006	-0.00976	0.83344	0.024731	0.59397	-0.03809	0.41152	-0.13337
-0.0213	0.6461	0.085926	0.06355	0.148978	0.00124	0.042042	0.36467	-0.01469
0.097984	0.03427	0.014737	0.75077	0.012848	0.78185	0.050643	0.27476	0.02926
-0.25238	3.22E-08	-0.1103	0.0171	-0.11283	0.0147	-0.2125	3.61E-06	-0.08789
0.086042	0.06319	0.002267	0.96104	0.191847	3.00E-05	-0.11478	0.01306	-0.2925
-0.15966	0.00053	-0.20459	8.32E-06	-0.24385	9.48E-08	-0.12533	0.00669	0.065349
-0.04724	0.30839	-0.1139	0.01378	-0.09528	0.03956	-0.06704	0.14802	-0.09067
0.152294	0.00096	0.06524	0.15926	0.089606	0.05298	0.109242	0.0182	0.045831
0.043065	0.3531	0.123602	0.00749	0.124055	0.00727	0.07817	0.09154	0.272473
0.130588	0.0047	0.162069	0.00044	0.113626	0.01402	0.110945	0.01646	0.100702
0.051869	0.26329	0.331575	1.91E-13	0.142572	0.00201	0.115424	0.01256	0.406586
-0.12507	0.0068	-0.07239	0.11825	-0.059	0.20309	-0.10468	0.02367	-0.20959
-0.01109	0.81117	-0.18559	5.46E-05	-0.1192	0.00993	-0.15873	0.00058	-0.29049
0.077924	0.09257	0.053138	0.25177	0.032808	0.47939	-0.03331	0.47274	0.165977
-0.23262	3.71E-07	-0.14033	0.00237	-0.19788	1.65E-05	-0.18957	3.74E-05	-0.12919
-0.00657	0.88734	-0.10863	0.01886	-0.10047	0.02994	-0.11381	0.01386	-0.19683
-0.09154	0.04804	-0.15516	0.00077	-0.00321	0.94477	-0.22156	1.33E-06	-0.28388
-0.10629	0.02161	-0.15657	0.00069	-0.07099	0.12556	-0.04086	0.37832	-0.06321
0.081366	0.079	-0.05555	0.23088	-0.00845	0.85551	-0.22291	1.14E-06	-0.18568

0.035599	0.44279	-0.00862	0.85264	0.008324	0.85762	-0.06492	0.16131	-0.16094
0.041699	0.3686	0.302223	2.55E-11	-0.01055	0.82017	0.224003	1.01E-06	0.371083
0.018724	0.68652	-0.06553	0.15744	-0.03707	0.42416	-0.02464	0.5954	-0.09711
-0.11731	0.01118	-0.12197	0.00833	-0.0414	0.37205	-0.13862	0.00268	-0.19099
0.116287	0.01191	0.037347	0.4207	0.096627	0.03685	0.133237	0.00392	-0.09984
-0.00864	0.85235	-0.06479	0.16215	-0.0149	0.74814	-0.07115	0.12469	0.039367
0.107789	0.01981	0.226435	7.63E-07	0.243649	9.73E-08	-0.09267	0.04532	0.003056
-0.24688	6.49E-08	-0.12901	0.00523	-0.16382	0.00038	-0.20435	8.53E-06	-0.11772
0.226369	7.69E-07	0.102404	0.02691	0.246349	6.94E-08	0.216642	2.30E-06	0.13263
0.006957	0.88082	-0.00924	0.84222	0.000906	0.98442	0.05339	0.24953	-0.04438
-0.00224	0.96156	-0.1373	0.00295	-0.07627	0.0997	-0.07882	0.08886	-0.28406
0.019158	0.67965	0.149923	0.00116	0.063719	0.16923	0.090553	0.05051	0.253764
-0.02383	0.60751	0.032239	0.48705	0.0568	0.22051	-0.18558	5.47E-05	-0.19256
0.093808	0.04274	0.074351	0.10857	0.079375	0.08664	0.055842	0.22841	-0.02636
0.147648	0.00138	0.092539	0.04564	0.095614	0.03888	-0.08551	0.06485	-0.08449
0.100552	0.02981	0.061049	0.18784	0.089143	0.05422	-0.13211	0.00424	-0.15202
0.081701	0.07777	0.029251	0.52833	0.03219	0.48772	0.015005	0.74638	-0.0386
0.119148	0.00996	0.058801	0.20466	0.073652	0.11194	0.092648	0.04538	0.026179
0.117917	0.01076	0.038136	0.41096	0.036043	0.43712	-0.10657	0.02125	-0.15005
0.136037	0.00322	0.072322	0.11858	0.078109	0.0918	0.076433	0.099	0.032711
0.05166	0.26522	0.035678	0.44178	-0.01276	0.78329	-0.01047	0.8214	0.016391
0.047223	0.30852	0.086253	0.06254	0.073758	0.11143	-0.07654	0.09853	-0.05717
0.049839	0.28246	-0.01183	0.79868	0.017533	0.7055	-0.05476	0.23757	-0.05401
0.12121	0.00874	0.120986	0.00887	0.135759	0.00329	0.039134	0.39881	-0.03428
0.063735	0.16912	0.091631	0.04781	0.107298	0.02038	0.064684	0.16285	0.001233
0.19439	2.34E-05	0.162314	0.00043	0.125858	0.00646	0.125696	0.00653	0.103371
0.029501	0.52481	0.039066	0.39963	0.038603	0.40525	-0.07485	0.1062	-0.05126
0.055274	0.23319	0.005651	0.90306	0.051272	0.26883	-0.05529	0.23308	-0.08883
-0.01415	0.76039	-0.01303	0.77875	-0.00117	0.97996	0.042312	0.36159	-0.01825
0.093662	0.04307	0.05351	0.24846	0.050616	0.27501	0.008861	0.84854	0.004079
0.111609	0.01582	0.028726	0.53576	0.036602	0.43004	0.01245	0.78844	-0.05718
0.098586	0.03318	0.006508	0.88845	0.068114	0.14164	-0.04417	0.34086	-0.11502
0.03353	0.46977	0.107556	0.02008	0.090509	0.05062	0.030488	0.51103	0.029159
0.249186	4.85E-08	0.08109	0.08002	0.058274	0.20875	0.082043	0.07653	0.029223
0.177131	0.00012	0.118853	0.01015	-0.01433	0.75736	0.005593	0.90405	-0.09707
0.119698	0.00962	0.036179	0.43539	0.087885	0.05772	-0.009	0.84612	-0.17332
0.076351	0.09937	0.053212	0.25111	-0.0086	0.85303	-0.00482	0.91729	-0.15749
-0.00302	0.9481	-0.20318	9.64E-06	-0.21765	2.06E-06	0.084362	0.06854	0.070657
-0.08473	0.06732	-0.13349	0.00385	-0.09468	0.04084	0.023731	0.60898	0.005875
-0.06071	0.19033	-0.05606	0.22663	-0.10086	0.0293	-0.11779	0.01085	-0.35515
0.249677	4.55E-08	-0.07806	0.09199	0.072773	0.1163	-0.02241	0.62899	0.005732
0.159443	0.00054	0.053557	0.24805	0.199287	1.43E-05	0.137565	0.00289	0.25003
0.214053	3.05E-06	0.205398	7.66E-06	0.196074	1.98E-05	0.049031	0.29034	0.149455
-0.10796	0.01961	-0.24352	9.89E-08	-0.30456	1.76E-11	-0.13404	0.00371	-0.27468
0.094239	0.04179	-0.05336	0.24979	-0.03627	0.43426	0.067475	0.14542	0.006253

0.080799	0.08112	0.281237	6.15E-10	0.198721	1.52E-05	0.153319	0.00089	0.289687
0.03378	0.46647	0.146911	0.00145	-0.09205	0.04681	0.147795	0.00136	0.12816
0.125739	0.00651	0.107829	0.01977	0.119852	0.00953	0.013375	0.77313	-0.03598
-0.05385	0.24544	-0.05045	0.27657	-0.21759	2.07E-06	-0.06032	0.19317	-0.07906
-0.05668	0.22152	-0.11265	0.01486	-0.08456	0.06788	-0.15356	0.00087	-0.19067
0.104631	0.02374	0.075481	0.10329	0.164698	0.00035	-0.00255	0.9562	0.006573
0.079343	0.08676	0.085437	0.06508	0.149969	0.00115	-0.15652	0.00069	-0.1877
-0.19836	1.57E-05	-0.24002	1.52E-07	-0.14642	0.00151	-0.13027	0.00481	-0.17669
0.120218	0.00931	0.329297	2.84E-13	0.288963	1.96E-10	0.001399	0.97595	0.209098
0.231385	4.29E-07	0.180541	8.73E-05	0.204232	8.64E-06	0.099715	0.0312	-0.12716
0.001626	0.97204	-0.07824	0.09126	-0.05014	0.27954	-0.00022	0.99625	-0.12626
-0.29089	1.47E-10	-0.12068	0.00904	-0.05026	0.27841	-0.2512	3.75E-08	-0.14671
0.026629	0.56596	-0.10228	0.02709	0.030476	0.5112	-0.00582	0.90016	-0.05901
0.060922	0.18877	0.107273	0.02041	0.111969	0.01549	0.077889	0.09272	-0.09901
0.095544	0.03903	0.235576	2.61E-07	0.066121	0.15369	0.219697	1.64E-06	0.413059
-0.02579	0.57829	-0.02289	0.62168	-0.01897	0.68256	-0.1911	3.23E-05	-0.19655
0.123542	0.00752	0.128014	0.0056	0.18417	6.24E-05	0.178949	0.0001	0.196273
0.215872	2.50E-06	0.133291	0.00391	0.288563	2.09E-10	0.05345	0.249	-0.05082
0.07042	0.12861	-0.05089	0.27238	-0.01822	0.69447	-0.0337	0.46747	-0.01614
-0.21506	2.73E-06	-0.11293	0.01462	-0.11855	0.01035	-0.06477	0.16226	-0.01792
0.085302	0.0655	0.096049	0.038	0.088692	0.05545	0.039916	0.38944	-0.06558
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0.163822	0.00038	0.18957	3.74E-05	0.37874	2.24E-17	0.009198	0.84286	-0.07945
0.021271	0.64659	0.042561	0.35878	0.003462	0.94053	0.110584	0.01682	0.185188
0.025986	0.57538	0.017189	0.71102	0.021622	0.64117	0.01913	0.68009	-0.03669
0.113499	0.01412	0.090628	0.05032	0.14962	0.00118	-0.05203	0.26185	-0.06788
-0.15006	0.00114	-0.06005	0.19519	-0.03039	0.51233	-0.2016	1.13E-05	-0.09909
0.136502	0.00312	0.267306	4.41E-09	0.275575	1.39E-09	-0.02094	0.65179	-0.10833
0.118969	0.01008	0.2741	1.71E-09	0.259667	1.24E-08	0.091111	0.0491	0.31005
-0.06816	0.14137	-0.16397	0.00037	-0.09337	0.04372	-0.13826	0.00275	-0.29071
0.167232	0.00028	-0.05764	0.21378	-0.22617	7.87E-07	0.058303	0.20853	-0.07838
0.246155	7.11E-08	0.272477	2.15E-09	0.22017	1.55E-06	0.152688	0.00093	0.107808
-0.18943	3.79E-05	0.012258	0.79163	-0.0103	0.82437	-0.1109	0.0165	-0.1061
-0.07129	0.12394	-0.21524	2.68E-06	-0.2756	1.38E-09	0.019688	0.6713	-0.051
0.162221	0.00043	-0.02061	0.65689	-0.10125	0.02868	0.001013	0.98259	-0.06139
0.147374	0.0014	0.145751	0.00159	0.233268	3.43E-07	0.133604	0.00382	-0.02869
-0.03421	0.46079	-0.20404	8.81E-06	-0.28117	6.21E-10	0.016616	0.72023	0.103084
-0.0494	0.28668	-0.15822	0.0006	-0.17875	0.0001	-0.19198	2.96E-05	-0.17489
0.142955	0.00196	0.066122	0.15368	-0.13602	0.00323	0.310995	6.25E-12	0.209603
-0.23635	2.38E-07	-0.1648	0.00035	-0.25183	3.45E-08	-0.15964	0.00053	-0.17422
0.177525	0.00011	0.170592	0.00021	-0.03405	0.46288	0.09564	0.03883	0.065167
0.140783	0.00229	0.239859	1.55E-07	0.218031	1.97E-06	0.043783	0.34514	0.043077
0.047978	0.30084	0.081051	0.08017	0.125994	0.0064	0.057726	0.21307	0.095735
0.06221	0.17957	-0.01466	0.75197	0.067598	0.14468	-0.12522	0.00674	-0.2508
0.208361	5.61E-06	0.00954	0.83709	0.220569	1.49E-06	-0.02433	0.59993	-0.22082

0.171567	0.0002	0.214783	2.82E-06	0.244586	8.66E-08	-0.02244	0.62853	-0.00612
0.088617	0.05566	-0.20776	5.97E-06	-0.20112	1.19E-05	-0.12574	0.00651	-0.36122
0.045589	0.32557	-0.00711	0.87815	0.039653	0.39258	0.019972	0.66685	0.08903
-0.12929	0.00514	-0.17334	0.00017	-0.17103	0.0002	-0.05078	0.27345	-0.04187
0.135459	0.00336	0.196053	1.98E-05	0.205769	7.37E-06	0.004282	0.92646	0.205077
-0.34021	4.06E-14	-0.31755	2.12E-12	-0.26069	1.08E-08	-0.20159	1.13E-05	-0.18874
-0.06022	0.19395	-0.21497	2.76E-06	-0.04393	0.34352	-0.28089	6.46E-10	-0.41805
0.13858	0.00269	0.202059	1.08E-05	0.15679	0.00067	0.194382	2.34E-05	0.067079
-0.09403	0.04225	-0.08787	0.05777	-0.0369	0.42631	-0.10555	0.02253	-0.2861
-0.05424	0.24209	-0.22777	6.54E-07	-0.18983	3.64E-05	-0.21697	2.22E-06	-0.1759
0.19646	1.90E-05	-0.03426	0.4601	-0.00692	0.88149	0.029617	0.52317	-0.24484
0.081033	0.08024	0.00863	0.85244	0.102971	0.02607	-0.0337	0.46756	-0.13438
-0.09208	0.04673	-0.24386	9.47E-08	-0.12654	0.00618	-0.26561	5.56E-09	-0.34551
-0.11199	0.01547	-0.061	0.18824	-0.10611	0.02182	-0.01655	0.72132	-0.04698
-0.04384	0.34445	-0.09418	0.04193	-0.0502	0.27902	-0.08836	0.05638	-0.05443
-0.00203	0.96504	0.10378	0.02491	0.158059	0.00061	0.067562	0.1449	0.223548
0.034156	0.46152	-0.12617	0.00633	-0.08866	0.05554	-0.24012	1.50E-07	-0.15162
-0.25797	1.55E-08	-0.25706	1.75E-08	-0.18901	3.94E-05	-0.22274	1.16E-06	-0.18834
-0.0575	0.21484	-0.28131	6.08E-10	-0.1746	0.00015	-0.14793	0.00135	-0.18601
0.137938	0.00282	0.05634	0.22429	0.192053	2.94E-05	-0.10155	0.02821	-0.09827
0.168495	0.00025	0.056666	0.22161	0.081091	0.08002	0.082707	0.07417	-0.11042
0.221013	1.41E-06	0.082315	0.07555	0.016976	0.71444	0.2157	2.55E-06	0.300386
0.041118	0.37532	-0.0403	0.38489	-0.17755	0.00011	0.156591	0.00068	0.142356
-0.1761	0.00013	-0.19543	2.11E-05	-0.15535	0.00076	-0.14538	0.00163	-0.10054
-0.01929	0.67758	-0.07297	0.11533	-0.07968	0.08543	-0.05655	0.22252	-0.04143
-0.10884	0.01864	-0.06877	0.13785	-0.11089	0.01651	-0.00273	0.95313	-0.09222
0.250298	4.21E-08	0.000149	0.99744	0.174695	0.00015	0.07589	0.10143	0.009207
0.03395	0.46422	-0.03974	0.3915	-0.01696	0.71477	0.104254	0.02426	0.140469
0.089134	0.05425	-0.05465	0.23849	-0.02523	0.58652	0.052094	0.26122	-0.01942
0.204561	8.35E-06	-0.1297	0.005	-0.07342	0.11309	-0.02532	0.58527	-0.02594
0.045229	0.32942	0.078415	0.09053	0.067842	0.14324	0.124164	0.00722	0.060062
-0.17362	0.00016	-0.20929	5.08E-06	-0.10245	0.02684	-0.205	7.98E-06	-0.14991
0.022728	0.62421	-0.0437	0.34606	-0.02286	0.62217	-0.16466	0.00035	-0.18831
0.065928	0.15489	0.06214	0.18006	0.167137	0.00029	0.006047	0.89631	0.00205
0.073171	0.11431	-0.09979	0.03107	-0.03426	0.46015	0.24855	5.25E-08	0.288231
-0.08493	0.06668	-0.09586	0.03839	0.001075	0.98151	-0.02132	0.6458	0.191075
0.186303	5.10E-05	0.148405	0.0013	0.226048	7.98E-07	0.00867	0.85177	-0.12724
-0.05141	0.26752	-0.03679	0.42764	-0.03186	0.49212	-0.05392	0.24487	-0.12233
0.159034	0.00056	0.02878	0.53499	0.047148	0.30929	0.204359	8.53E-06	0.187591
0.08701	0.06027	0.137741	0.00286	0.065055	0.16045	-0.09316	0.0442	-0.09837
0.180802	8.53E-05	0.219352	1.70E-06	0.19967	1.38E-05	0.031966	0.49075	-0.0066
0.280143	7.20E-10	0.094272	0.04172	0.05186	0.26337	0.138541	0.0027	0.043086
0.215566	2.58E-06	0.341753	3.07E-14	0.187569	4.53E-05	0.409088	2.88E-20	0.387553
0.139214	0.00257	0.155343	0.00076	0.166059	0.00031	0.040307	0.38481	-0.04158
0.024466	0.59794	-0.00488	0.9162	0.147233	0.00142	0.059848	0.1967	0.034185

0.165696	0.00032	0.179557	9.56E-05	0.271262	2.55E-09	0.1251	0.00679	0.054096
-0.2146	2.87E-06	-0.24388	9.46E-08	-0.19614	1.96E-05	-0.24778	5.79E-08	-0.33477
-0.14835	0.0013	-0.22072	1.46E-06	-0.18547	5.52E-05	-0.20582	7.33E-06	0.035979
0.15257	0.00094	0.067263	0.14669	0.095101	0.03995	-0.00671	0.88496	0.03931
0.078505	0.09016	0.16063	0.00049	0.259663	1.24E-08	0.035526	0.44374	0.057457
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0.05177	0.2642	0.120167	0.00934	0.173134	0.00017	-0.00622	0.89342	-0.02312
-0.12377	0.00741	-0.06576	0.15598	-0.04968	0.28396	-0.1296	0.00503	-0.20414
-0.00849	0.85482	0.050686	0.27435	0.072628	0.11703	-0.02863	0.53711	-0.03722
0.093403	0.04365	0.068071	0.14189	0.110038	0.01737	0.019006	0.68205	0.06268
0.018782	0.68561	0.044229	0.34023	0.065616	0.15686	-0.06872	0.13813	0.055587
0.043007	0.35375	0.100303	0.03022	0.13802	0.0028	-0.01855	0.68932	-0.00069
-0.09515	0.03985	-0.17096	0.00021	-0.19093	3.28E-05	0.033211	0.47401	0.156386
0.120455	0.00917	0.032445	0.48427	0.085439	0.06507	0.131479	0.00443	0.26793
0.098991	0.03246	0.05381	0.24582	0.040428	0.38339	0.061383	0.18544	0.006543
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-0.04885	0.29212	-0.05703	0.21869	0.030685	0.5083	-0.10067	0.02961	0.00744
0.168338	0.00026	0.095967	0.03816	0.19058	3.39E-05	0.293222	1.03E-10	0.326089
0.348342	9.07E-15	0.327442	3.92E-13	0.220395	1.51E-06	0.383668	7.95E-18	0.262324
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-0.20178	1.11E-05	0.002175	0.9626	0.014123	0.76083	-0.06236	0.17854	-0.11235
0.032166	0.48804	0.173846	0.00016	-0.03034	0.51307	0.128185	0.00553	0.30931
0.125251	0.00673	-0.14903	0.00124	-0.16586	0.00032	0.10078	0.02944	0.117721
0.060647	0.19078	-0.02697	0.56103	0.037773	0.41543	-0.04687	0.31218	-0.10056
0.219583	1.66E-06	0.117977	0.01072	0.181526	7.98E-05	0.067902	0.14289	-0.2277
0.081779	0.07748	0.157802	0.00062	0.143484	0.00188	-0.04531	0.3286	-0.16605
-0.02485	0.59212	0.126106	0.00636	0.065539	0.15735	-0.01533	0.74106	-0.0373
-0.08595	0.06348	-0.11268	0.01484	-0.09174	0.04754	-0.08658	0.06154	-0.03147
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0.015129	0.74436	0.062982	0.17422	0.018507	0.68997	-0.10278	0.02635	-0.16598
0.227676	6.61E-07	0.252751	3.07E-08	0.004999	0.9142	0.120483	0.00916	0.20193
0.05656	0.22248	-0.02339	0.6141	0.020381	0.66045	0.009453	0.83856	-0.04233
0.366432	2.75E-16	0.165033	0.00034	0.162149	0.00043	0.106723	0.02107	0.118261
0.037998	0.41265	-0.24017	1.49E-07	-0.31622	2.64E-12	-0.04512	0.33057	-0.12522
0.143205	0.00192	0.197814	1.66E-05	0.227112	7.06E-07	0.126561	0.00617	0.076768
0.059817	0.19693	0.025441	0.58342	0.026753	0.56414	-0.06743	0.14568	-0.00644
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0.029864	0.51972	0.19951	1.40E-05	0.09394	0.04245	0.03211	0.4888	0.043348
0.081754	0.07758	0.191088	3.23E-05	0.095708	0.03869	0.051793	0.26399	-0.03639
0.052322	0.25914	-0.19209	2.93E-05	-0.25918	1.32E-08	-0.12511	0.00679	-0.23957
-0.03327	0.47328	-0.08418	0.06913	-0.03668	0.42912	-0.1883	4.22E-05	-0.25745
0.031003	0.50392	0.147819	0.00136	0.176374	0.00013	0.077854	0.09286	0.047505
-0.02806	0.54523	0.010529	0.82047	-0.0122	0.79261	0.055864	0.22822	0.066173
0.100969	0.02913	0.159148	0.00056	0.127311	0.00587	0.055567	0.23072	0.10547
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-0.1063	0.02159	-0.11893	0.0101	-0.05819	0.20938	-0.22543	8.56E-07	-0.20193
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-0.28262	5.02E-10	-0.24764	5.90E-08	-0.28083	6.52E-10	-0.27055	2.81E-09	-0.24527
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0.032812	0.47934	0.209334	5.06E-06	0.123914	0.00734	0.033008	0.47672	0.125125
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-0.06083	0.18945	-0.21895	1.78E-06	-0.15792	0.00061	-0.16549	0.00033	-0.22528
-0.02671	0.56481	-0.06066	0.19069	0.060389	0.19267	-0.1092	0.01825	-0.10738
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0.126628	0.00614	-0.09443	0.04137	-0.02562	0.58072	-0.00407	0.93004	-0.16224
0.021331	0.64567	0.113739	0.01392	0.096252	0.03759	0.098389	0.03353	0.035641
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-0.00452	0.92236	0.048958	0.29106	0.145263	0.00165	-0.09987	0.03095	-0.12363
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0.198015	1.63E-05	0.319103	1.63E-12	0.334356	1.16E-13	0.252355	3.23E-08	0.09628
0.122107	0.00825	0.126238	0.0063	0.139906	0.00244	0.28538	3.35E-10	0.122374
-0.23629	2.39E-07	-0.09961	0.03138	-0.13398	0.00372	-0.14525	0.00165	-0.07615
0.185575	5.47E-05	0.225785	8.22E-07	0.221315	1.37E-06	0.065183	0.15963	0.087174
0.051624	0.26555	0.040928	0.37753	0.208949	5.27E-06	-0.1094	0.01804	0.080548
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0.027776	0.54934	0.04136	0.37251	0.05261	0.25652	0.126351	0.00625	0.145252
0.199271	1.44E-05	-0.01426	0.75862	-0.10434	0.02413	0.137261	0.00296	-0.08377
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0.223664	1.05E-06	0.2382	1.90E-07	0.371966	9.02E-17	-0.00505	0.91333	0.057472
0.01711	0.71229	-0.06891	0.13706	-0.04006	0.38769	-0.05271	0.2556	-0.05262
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0.06626	0.15282	0.056882	0.21985	0.099715	0.0312	-0.12326	0.00766	-0.08157
0.067921	0.14277	0.002989	0.94863	0.008581	0.85327	0.151553	0.00102	0.101941
0.027894	0.54764	-0.14598	0.00156	-0.06966	0.1328	-0.02895	0.53253	0.050526

0.011164	0.80985	-0.01511	0.74465	0.001287	0.97787	-0.01349	0.77121	-0.03412
0.103854	0.02481	0.092353	0.04608	0.084647	0.06761	-0.01884	0.68469	-0.01248
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-0.02368	0.60969	-0.05349	0.24864	-0.05059	0.27526	-0.1145	0.01329	-0.09189
0.07702	0.09643	0.158252	0.0006	0.166226	0.00031	0.004038	0.93064	-0.0144
0.049432	0.28641	0.059514	0.19921	0.043503	0.34823	-0.02938	0.52649	-0.06122
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0.280103	7.25E-10	0.106287	0.02161	-0.03564	0.44225	0.07371	0.11166	0.276648
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-0.16449	0.00036	-0.17869	0.0001	-0.20179	1.11E-05	-0.10882	0.01865	-0.23165
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0.095715	0.03867	0.244634	8.60E-08	0.228009	6.36E-07	-0.14783	0.00136	0.065074
-0.05063	0.27486	0.055049	0.2351	0.05644	0.22346	-0.08428	0.06882	-0.16078
-0.06829	0.14061	-0.07153	0.12267	-0.01218	0.79294	-0.06687	0.14909	-0.10582
0.052007	0.26202	-0.01867	0.68741	0.04397	0.34307	-0.01945	0.67507	-0.01105
-0.02277	0.62351	-0.03473	0.45406	0.055109	0.23459	0.014135	0.76063	0.138322
0.074356	0.10855	0.049954	0.28135	0.059209	0.20153	0.013102	0.77764	-0.10475
0.200905	1.22E-05	0.248843	5.06E-08	0.275021	1.50E-09	0.169596	0.00023	0.23224
0.017986	0.69826	-0.04114	0.37507	0.069967	0.1311	-0.24715	6.27E-08	-0.17447
-0.07463	0.10725	0.129828	0.00495	0.112341	0.01515	-0.06436	0.16498	0.027215
0.089175	0.05414	-0.005	0.91421	0.000773	0.98671	-0.13945	0.00252	-0.21712
0.029276	0.52797	0.057391	0.21574	0.048146	0.29915	-0.0384	0.4077	-0.06824
0.054898	0.23639	0.040354	0.38426	0.144162	0.00179	-0.16483	0.00035	-0.15172
0.00916	0.8435	0.277315	1.08E-09	0.197434	1.73E-05	0.072794	0.11619	0.080067
0.038279	0.4092	-0.00745	0.87241	-0.05405	0.24369	-0.16777	0.00027	-0.23844
-0.11023	0.01718	-0.29458	8.38E-11	-0.23974	1.57E-07	-0.1125	0.015	-0.26826
-0.00173	0.97033	-0.045	0.33187	0.028465	0.53947	-0.20864	5.45E-06	-0.07698
-0.11652	0.01174	0.070553	0.12789	0.032278	0.48652	-0.09117	0.04894	0.003497
0.063624	0.16986	-0.00039	0.99324	0.089455	0.05338	-0.22507	8.93E-07	-0.3059
-0.00973	0.83396	0.03472	0.45415	0.053257	0.25071	-0.00623	0.89324	-0.04595
0.107783	0.01982	0.050397	0.2771	0.001171	0.97986	0.000124	0.99787	-0.27035
-0.02764	0.55126	-0.0757	0.10229	0.039389	0.39574	-0.01364	0.7688	0.0047
0.147602	0.00138	-0.04976	0.2832	0.058651	0.20582	0.096156	0.03778	0.152517
0.037672	0.41667	0.025712	0.57941	0.010598	0.81932	-0.07395	0.11048	0.036573
0.12845	0.00544	-0.19347	2.56E-05	-0.09979	0.03108	0.030282	0.51388	-0.06108
-0.03289	0.47827	0.154519	0.00081	0.100895	0.02925	0.063835	0.16845	0.13709
0.203288	9.53E-06	0.207997	5.83E-06	0.159833	0.00053	0.153437	0.00088	0.045614
-0.23413	3.10E-07	-0.30271	2.37E-11	-0.31994	1.42E-12	-0.11922	0.00992	-0.26663
0.037237	0.42208	0.100367	0.03011	0.070032	0.13073	-0.1005	0.02989	-0.09113
-0.11133	0.01609	-0.03726	0.42176	0.006011	0.89692	-0.18735	4.62E-05	-0.10356
0.171455	0.0002	0.224714	9.30E-07	0.096756	0.0366	0.390013	2.05E-18	0.492609
-0.16692	0.00029	-0.17884	0.0001	-0.249	4.96E-08	-0.03836	0.40821	-0.18486
0.008923	0.8475	-0.00034	0.99409	0.007634	0.86931	-0.07934	0.08679	-0.13337

0.061382	0.18545	0.036096	0.43645	0.037128	0.42344	-0.04686	0.31221	-0.11916
0.1555	0.00075	0.168536	0.00025	0.128105	0.00556	0.314512	3.51E-12	0.310002
0.137852	0.00283	0.268933	3.52E-09	0.179477	9.63E-05	0.062109	0.18028	0.143437
-0.04538	0.32781	-0.03379	0.46636	-0.01735	0.70848	-0.06347	0.17089	-0.09671
0.137926	0.00282	-0.03622	0.43483	0.07846	0.09034	0.172088	0.00019	-0.04129
0.263226	7.68E-09	0.239944	1.54E-07	0.260452	1.12E-08	0.034477	0.45732	0.298048
0.006147	0.8946	-0.33793	6.14E-14	-0.1562	0.00071	-0.03958	0.39347	-0.27248
0.059328	0.20062	0.034694	0.45449	0.048332	0.29728	-0.02141	0.64449	0.065426
0.346876	1.19E-14	0.240214	1.49E-07	0.127429	0.00582	0.212032	3.79E-06	0.09542
0.096319	0.03746	0.193231	2.62E-05	0.196212	1.95E-05	0.115569	0.01245	0.038096
0.139917	0.00244	-0.14483	0.0017	-0.06488	0.16155	0.003365	0.94218	-0.12447
-0.09055	0.0505	-0.21671	2.28E-06	-0.1628	0.00041	-0.04196	0.3656	-0.25802
0.164428	0.00036	0.238532	1.82E-07	0.254612	2.41E-08	0.098726	0.03293	0.094467
-0.01382	0.76587	-0.05143	0.26737	-0.04517	0.33002	0.039826	0.39051	-0.16455
0.329345	2.82E-13	0.262932	7.99E-09	0.318967	1.67E-12	0.18594	5.28E-05	0.312587
0.115759	0.0123	-0.06021	0.19404	-0.16291	0.00041	0.192543	2.80E-05	0.117174
0.104961	0.0233	0.029367	0.5267	0.035491	0.44419	-0.03304	0.47634	-0.18345
-0.02426	0.60098	-0.04542	0.32739	0.013334	0.77382	-0.14071	0.0023	-0.17457
-0.25107	3.81E-08	-0.30687	1.22E-11	-0.29386	9.37E-11	-0.22596	8.06E-07	-0.14236
0.046817	0.3127	0.02165	0.64075	0.048212	0.29848	-0.10221	0.0272	-0.11922
0.238551	1.82E-07	0.1973	1.75E-05	0.177533	0.00011	0.188698	4.06E-05	0.100144
0.053086	0.25224	0.081279	0.07932	0.130875	0.00461	-0.01346	0.7718	-0.00898
-0.07782	0.09301	-0.12463	0.00701	-0.04511	0.33071	-0.14279	0.00198	-0.21863
0.070729	0.12694	0.043219	0.35139	0.033366	0.47194	0.136494	0.00312	-0.03694
0.078931	0.08842	0.037361	0.42054	0.028321	0.54153	0.071911	0.1207	-0.02901
-0.00223	0.96169	-0.04781	0.30254	-0.02214	0.63315	0.139157	0.00258	-0.02878
0.006202	0.89366	0.021437	0.64403	0.022816	0.62287	0.049763	0.28319	0.146863
-0.00425	0.92702	0.017372	0.70808	-0.02324	0.61636	0.039653	0.39258	0.058608
0.176918	0.00012	-0.005	0.91414	0.134354	0.00363	0.034719	0.45416	-0.00274
0.003707	0.93633	0.005054	0.91326	0.071958	0.12045	-0.04346	0.34876	-0.0848
-0.12053	0.00913	-0.2078	5.95E-06	-0.16079	0.00049	-0.13395	0.00373	-0.18893
0.319439	1.54E-12	0.200486	1.27E-05	0.186324	5.09E-05	0.115207	0.01273	0.126204
0.232831	3.62E-07	0.274933	1.52E-09	0.258802	1.39E-08	0.269818	3.11E-09	0.195716
0.163726	0.00038	0.221693	1.31E-06	0.215687	2.55E-06	0.123794	0.0074	0.107611
0.021741	0.63933	0.081233	0.07949	0.071522	0.12272	-0.03941	0.3955	0.059847
-0.21652	2.33E-06	-0.07425	0.10907	-0.04066	0.38065	-0.23445	2.98E-07	-0.24009
0.031133	0.50212	0.294425	8.59E-11	0.268531	3.72E-09	0.10568	0.02237	0.33773
0.121021	0.00885	-0.02429	0.60051	-0.09479	0.0406	0.003038	0.9478	0.015538
0.039088	0.39937	-0.07509	0.1051	-0.08621	0.06267	0.000401	0.99311	-0.04537
0.169072	0.00024	0.035867	0.43936	-0.05633	0.22438	0.055454	0.23166	-0.16538
-0.07021	0.12975	-0.01874	0.68631	-0.01207	0.79481	0.011335	0.807	-0.0925
0.032109	0.48881	-0.01309	0.77786	0.065424	0.15808	-0.04724	0.30839	-0.09765
0.166348	0.00031	0.002958	0.94916	0.089952	0.05206	-0.17394	0.00016	-0.2074
-0.02147	0.64347	0.081007	0.08033	0.03617	0.4355	0.047444	0.30626	0.092967
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0.301062	3.07E-11	0.183505	6.64E-05	0.206072	7.14E-06	0.251682	3.52E-08	0.389473
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-0.10156	0.0282	-0.21656	2.32E-06	-0.22889	5.74E-07	-0.09946	0.03164	-0.08436
0.165066	0.00034	-0.01269	0.7845	0.021994	0.63545	0.029788	0.52079	-0.22321
0.147175	0.00143	0.086669	0.06129	0.077516	0.0943	0.033873	0.46523	-0.06624
0.023577	0.6113	0.023244	0.61634	0.060709	0.19032	0.075774	0.10195	-0.0252
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0.015635	0.73613	-0.11613	0.01203	0.004811	0.91741	-0.09221	0.04642	-0.22609
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0.160555	0.0005	0.081965	0.07681	0.09338	0.0437	0.187089	4.74E-05	0.089002
0.134761	0.00353	0.037755	0.41564	0.000215	0.9963	0.09755	0.03508	-0.00188
0.022885	0.62181	-0.02068	0.65572	-0.0491	0.28971	0.082492	0.07492	0.101757
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0.006871	0.88228	-0.0067	0.88519	0.00607	0.89592	-0.09953	0.03152	-0.122
-0.00971	0.83423	-0.14768	0.00137	-0.07627	0.09974	-0.10162	0.0281	-0.24572
0.054231	0.24214	-0.1051	0.02313	-0.10163	0.02809	-0.13918	0.00258	-0.15253
0.03788	0.4141	0.166268	0.00031	0.082487	0.07494	0.31641	2.56E-12	0.262992
0.030399	0.51227	0.043158	0.35207	0.084539	0.06796	-0.00656	0.88755	-0.1084
0.080751	0.0813	-0.03574	0.44098	-0.04755	0.30521	0.023199	0.61704	-0.10629
0.021845	0.63774	0.033969	0.46397	0.056253	0.225	-0.01068	0.81799	-0.04322
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0.179293	9.79E-05	-0.21176	3.90E-06	-0.16034	0.0005	0.075934	0.10123	-0.1673
0.25439	2.48E-08	0.292378	1.17E-10	0.253837	2.67E-08	0.095811	0.03848	0.213272
0.048016	0.30046	0.045485	0.32669	0.086251	0.06255	-0.05657	0.22243	0.019809
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0.040624	0.38108	-0.07247	0.11783	-0.03466	0.45492	-0.07201	0.12019	-0.05832
-0.0064	0.89022	-0.01208	0.7946	-0.01934	0.67685	-0.14693	0.00145	-0.06941
0.033452	0.4708	-0.04901	0.29053	0.015564	0.73728	-0.10323	0.0257	-0.16091
0.117841	0.01081	-0.1245	0.00706	0.023365	0.61451	0.045043	0.33142	0.110852
-0.05287	0.25422	-0.29879	4.38E-11	-0.28937	1.85E-10	-0.05031	0.27792	-0.17211
0.046578	0.31519	-0.22103	1.41E-06	-0.29599	6.76E-11	0.005324	0.90865	-0.08646
0.215687	2.55E-06	0.181512	7.99E-05	0.230813	4.59E-07	0.090023	0.05188	0.055455
0.171396	0.0002	0.136322	0.00316	0.143387	0.00189	0.050327	0.27776	0.087353
0.06021	0.194	0.144636	0.00173	0.128901	0.00527	-0.00868	0.85153	-0.11184
-0.1171	0.01133	0.098664	0.03304	-0.18219	7.50E-05	0.26518	5.89E-09	0.466574
-0.07119	0.12445	0.015752	0.73423	0.036132	0.43599	0.042118	0.3638	0.146414
-0.33238	1.65E-13	-0.16901	0.00024	-0.1591	0.00056	-0.21468	2.85E-06	-0.12043
0.037798	0.41511	0.013357	0.77344	-0.0649	0.16142	0.090992	0.0494	0.141602
-0.17121	0.0002	-0.14725	0.00142	-0.27776	1.02E-09	0.025333	0.58502	0.116231
0.214985	2.75E-06	0.151292	0.00104	0.152575	0.00094	0.029415	0.52602	-0.02084
0.220366	1.52E-06	0.174129	0.00016	0.309364	8.15E-12	-0.14125	0.00222	-0.14917
-0.02832	0.54153	0.00048	0.99174	0.042784	0.35626	-0.11281	0.01473	-0.14895
0.001292	0.97779	-0.01496	0.74714	0.031627	0.49536	-0.03916	0.39847	0.016949
0.100287	0.03024	0.159877	0.00052	0.116227	0.01195	0.081115	0.07993	0.166206
0.078128	0.09172	0.234573	2.94E-07	0.205458	7.61E-06	-0.02361	0.61086	0.066707

0.081338	0.0791	-0.02222	0.63197	0.071758	0.12149	0.011873	0.79804	0.039045
-0.09098	0.04943	-0.21049	4.48E-06	-0.18304	6.93E-05	-0.10032	0.0302	-0.16591
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0.044467	0.33764	-0.02197	0.63578	-0.00185	0.9682	0.113843	0.01383	-0.06184
-0.07306	0.11487	-0.06054	0.19156	0.01355	0.77025	-0.15086	0.00108	-0.05355
0.0689	0.13709	0.009635	0.83549	0.063721	0.16922	-0.20102	1.20E-05	-0.18103
-0.21866	1.84E-06	-0.01869	0.68708	-0.17806	0.00011	-0.10061	0.02971	-0.13816
-0.05241	0.25833	-0.0135	0.7711	-0.0385	0.40652	0.001671	0.97127	0.018259
-0.32063	1.26E-12	-0.11686	0.01149	-0.14508	0.00167	-0.14145	0.00218	-0.16118
-0.20917	5.15E-06	-0.03505	0.44984	-0.0794	0.08654	-0.11187	0.01558	-0.07757
-0.06562	0.15682	-0.01281	0.78249	-0.06191	0.18166	-0.02922	0.52881	0.001088
-0.0358	0.44022	-0.0281	0.54471	0.019089	0.68074	-0.07865	0.08958	-0.07178
-0.28815	2.22E-10	-0.11302	0.01454	-0.08606	0.06312	-0.22458	9.44E-07	-0.10922
-0.27288	2.03E-09	-0.06946	0.13392	-0.19264	2.78E-05	-0.10328	0.02562	-0.025
-0.22173	1.30E-06	-0.10429	0.0242	-0.16892	0.00025	-0.13794	0.00281	-0.16284
-0.04459	0.33633	0.042986	0.35399	0.021968	0.63584	-0.07017	0.12997	0.013101
0.065716	0.15623	0.080254	0.08319	0.022564	0.62671	0.013332	0.77384	-0.02846
-0.13687	0.00304	-0.09452	0.04118	-0.16425	0.00036	0.212317	3.68E-06	-0.01246
0.160635	0.00049	0.237326	2.11E-07	0.193128	2.65E-05	0.164652	0.00035	0.146684
-0.01631	0.72511	0.070642	0.12741	0.027412	0.55458	0.014434	0.75573	-0.0198
-0.01331	0.77418	-0.04642	0.31681	-0.00776	0.86719	-0.05064	0.27481	-0.09361
0.029293	0.52774	-0.04656	0.3154	-0.06088	0.18911	0.052463	0.25785	-0.04563
0.063888	0.1681	0.112161	0.01531	0.101434	0.02839	0.049554	0.28522	0.099989
-0.01686	0.71628	-0.02051	0.65837	0.036672	0.42915	0.0226	0.62616	-0.02254
0.034643	0.45515	0.051938	0.26266	0.062502	0.17754	0.095556	0.039	0.003848
0.021584	0.64176	-0.03786	0.41429	-0.00154	0.97359	-0.04193	0.36593	-0.14645
-0.02072	0.65509	0.043826	0.34465	0.12653	0.00618	-0.16861	0.00025	-0.22135
0.015942	0.73115	0.01747	0.70651	0.05256	0.25697	0.001028	0.98233	-0.07484
-0.09278	0.04507	-0.25381	2.67E-08	-0.1845	6.05E-05	-0.24059	1.42E-07	-0.37399
0.04356	0.34759	0.026737	0.56438	0.053888	0.24514	-0.16429	0.00036	-0.20915
-0.24368	9.69E-08	-0.23209	3.95E-07	-0.25719	1.72E-08	-0.11252	0.01499	-0.19982
0.032049	0.48963	-0.0208	0.65393	0.058474	0.20719	-0.04633	0.31773	-0.13245
0.021004	0.65074	-0.0951	0.03994	-0.08395	0.06991	-0.07021	0.12975	-0.10381
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0.046552	0.31545	0.022182	0.63255	0.045463	0.32692	0.052478	0.25772	-0.06452
0.018351	0.69245	0.212989	3.42E-06	0.170308	0.00022	0.182071	7.58E-05	0.210248
0.007125	0.87795	0.005587	0.90415	0.005592	0.90407	-0.05282	0.25459	-0.00947
0.239742	1.57E-07	0.00466	0.92	0.158994	0.00056	-0.01599	0.73029	-0.09569
0.2442	9.08E-08	-0.08679	0.06093	-0.0184	0.69171	0.082216	0.07591	-0.17721
0.137825	0.00284	0.179036	0.0001	0.19377	2.48E-05	0.027061	0.55966	-0.0672
0.336032	8.63E-14	0.246719	6.62E-08	0.242109	1.18E-07	0.241865	1.21E-07	0.165571
0.100262	0.03029	0.23161	4.18E-07	0.256496	1.88E-08	0.106356	0.02152	0.024513
-0.06965	0.13286	0.081704	0.07776	0.007551	0.87073	0.032964	0.47731	-0.02401
0.087116	0.05995	0.085815	0.06389	0.102755	0.02639	-0.08482	0.06706	-0.0414
-0.22852	6.00E-07	-0.21621	2.41E-06	-0.21661	2.31E-06	-0.20596	7.22E-06	-0.22077

0.227905	6.44E-07	0.243717	9.65E-08	0.282656	5.00E-10	0.013835	0.76557	-0.10022
-0.10643	0.02143	-0.14143	0.00219	-0.17978	9.36E-05	-0.09878	0.03283	-0.16557
0.056329	0.22437	0.055889	0.22802	-0.0253	0.58546	0.235554	2.61E-07	0.130682
-0.07362	0.11208	-0.19982	1.36E-05	-0.19971	1.37E-05	-0.07842	0.09049	-0.31122
0.064865	0.16167	0.138535	0.0027	0.055144	0.23429	0.042557	0.35882	-0.01123
0.106671	0.02113	0.180705	8.60E-05	0.153308	0.00089	0.070185	0.12989	0.033084
0.005109	0.91232	-0.19713	1.78E-05	-0.20823	5.69E-06	0.005272	0.90954	-0.15949
0.032316	0.48601	-0.11117	0.01624	-0.03242	0.48458	-0.02635	0.5701	-0.25759
0.052162	0.2606	-0.03172	0.49415	0.068292	0.1406	0.068732	0.13805	-0.07174
-0.01954	0.67362	-0.20872	5.40E-06	-0.33183	1.82E-13	0.020661	0.65608	-0.22301
-0.05181	0.26383	-0.11952	0.00973	-0.20395	8.90E-06	-0.00612	0.89506	-0.27665
0.017393	0.70775	0.064536	0.16381	0.050993	0.27145	-0.17061	0.00021	-0.25589
0.027977	0.54646	0.026679	0.56522	0.046274	0.31835	-0.12794	0.00563	-0.19655
0.207751	5.98E-06	0.142013	0.0021	0.315175	3.14E-12	0.05566	0.22993	-0.17012
-0.24957	4.61E-08	-0.0428	0.3561	-0.09922	0.03206	-0.14488	0.00169	-0.17567
0.193604	2.53E-05	0.196379	1.92E-05	0.241698	1.24E-07	0.07761	0.09389	-0.07569
-0.12236	0.00812	-0.01994	0.66735	0.015318	0.74128	-0.15009	0.00114	-0.16546
0.143448	0.00189	0.188326	4.21E-05	0.20075	1.24E-05	0.130646	0.00469	0.136111
0.089027	0.05454	0.003772	0.9352	-0.02185	0.63766	0.044594	0.33627	-0.04629
0.077668	0.09365	-0.00243	0.95816	0.040713	0.38004	-0.07655	0.09851	-0.18344
0.263475	7.43E-09	0.013322	0.77402	-0.11254	0.01496	0.200008	1.33E-05	0.316972
0.16218	0.00043	0.047646	0.3042	0.121731	0.00845	0.092409	0.04595	-0.08215
0.127394	0.00584	0.054	0.24415	0.072782	0.11625	-0.02417	0.60233	-0.04831
0.260003	1.18E-08	0.228177	6.24E-07	0.1235	0.00754	0.105721	0.02232	0.128289
0.316979	2.33E-12	0.32084	1.22E-12	0.258979	1.36E-08	0.236376	2.37E-07	0.237063
-0.03007	0.51687	-0.04049	0.38261	0.004872	0.91637	-0.23357	3.31E-07	-0.2257
0.075458	0.10339	0.072117	0.11963	0.026683	0.56516	0.100669	0.02962	-0.04658
0.27518	1.47E-09	0.312866	4.60E-12	0.305969	1.41E-11	0.214191	3.00E-06	0.101267
0.024979	0.59027	0.021355	0.6453	-0.0363	0.4338	0.141447	0.00218	0.014301
0.030299	0.51365	0.078358	0.09076	0.045171	0.33004	0.020503	0.65853	0.033891
0.046922	0.31162	0.128205	0.00553	0.146505	0.0015	0.090079	0.05173	0.102802
0.26197	9.10E-09	0.168246	0.00026	0.109966	0.01744	0.247286	6.17E-08	0.203862
0.150625	0.00109	0.158238	0.0006	0.107188	0.02051	0.088691	0.05546	0.056508
0.122684	0.00795	0.068858	0.13733	0.056981	0.21905	0.146059	0.00155	-0.07946
0.086359	0.06222	0.143211	0.00192	0.142797	0.00198	0.165691	0.00032	0.27228
0.018375	0.69206	0.064777	0.16225	0.091774	0.04747	-0.10722	0.02048	0.01309
0.1074	0.02026	0.189657	3.71E-05	0.259908	1.20E-08	0.061971	0.18125	0.142507
0.232183	3.90E-07	0.210883	4.29E-06	0.274541	1.61E-09	0.004893	0.91601	-0.09132
-0.0575	0.2149	-0.07262	0.11707	-0.01149	0.80447	-0.11652	0.01174	-0.08422
0.229641	5.26E-07	0.25016	4.28E-08	0.034333	0.45919	0.351342	5.16E-15	0.2797
-0.23414	3.10E-07	-0.18996	3.60E-05	-0.23149	4.24E-07	0.039013	0.40027	0.115558
0.074394	0.10837	0.002978	0.94882	-0.16039	0.0005	0.126317	0.00627	0.221676
-0.11655	0.01172	-0.06462	0.16327	-0.08165	0.07797	-0.02507	0.58891	0.027018
-0.0962	0.03769	-0.02764	0.55134	-0.07463	0.10724	0.086342	0.06227	0.124586
-0.03309	0.47565	0.002096	0.96397	0.125964	0.00642	-0.20081	1.23E-05	-0.33173

-0.04695	0.31136	-0.1226	0.00799	-0.02378	0.60826	-0.16922	0.00024	-0.27183
0.088285	0.05659	0.097054	0.03602	0.141846	0.00212	0.028222	0.54294	0.03657
0.183106	6.89E-05	0.044734	0.33474	0.142258	0.00206	-0.07876	0.08911	-0.1498
-0.06299	0.17417	-0.03374	0.46699	-0.03288	0.47844	0.029619	0.52315	0.018255
-0.12982	0.00496	-0.11191	0.01555	-0.11383	0.01384	-0.00099	0.98293	-0.04734
-0.04406	0.34211	-0.15341	0.00088	-0.10807	0.01949	-0.15098	0.00107	-0.15572
0.176559	0.00013	0.135097	0.00344	0.130821	0.00463	-0.07286	0.11587	-0.17583
0.147064	0.00144	0.117932	0.01075	0.111918	0.01553	0.064219	0.1659	-0.02588
-0.07069	0.12713	-0.10236	0.02697	-0.08824	0.05672	-0.07295	0.1154	-0.08511
-0.06681	0.14945	-0.08998	0.05198	-0.054	0.24415	-0.10428	0.02422	-0.11619
0.13911	0.00259	0.0228	0.6231	0.177215	0.00012	-0.0572	0.21729	-0.08954
0.058235	0.20906	0.024482	0.59769	0.026216	0.572	0.07976	0.08512	0.134491
0.163309	0.00039	0.103095	0.02589	0.199167	1.45E-05	-0.01324	0.77533	-0.06169
-0.05426	0.2419	-0.10274	0.02641	-0.09692	0.03627	0.037717	0.41612	0.096978
-0.05478	0.23743	-0.0332	0.47412	-0.06876	0.13791	-0.08282	0.07376	-0.05981
0.093275	0.04394	-0.14141	0.00219	0.005917	0.89852	-0.09972	0.03119	-0.19401
-0.02504	0.58932	-0.0086	0.85301	0.024782	0.59321	-0.00677	0.88403	-0.01497
0.002542	0.95631	0.034532	0.45659	0.087553	0.05868	-0.17024	0.00022	-0.08036
0.252415	3.20E-08	0.132968	0.004	0.169954	0.00022	0.136291	0.00317	0.051789
0.034194	0.46101	-0.02408	0.60376	0.044571	0.33651	-0.12376	0.00742	-0.21455
0.003441	0.94088	0.071685	0.12187	0.130242	0.00482	0.07642	0.09906	-0.00867
0.063793	0.16873	0.123999	0.0073	0.116021	0.01211	0.053891	0.24511	0.023857
0.005022	0.91382	0.002326	0.96002	0.049409	0.28664	-0.00021	0.99646	-0.05944
0.030949	0.50466	0.041978	0.3654	0.01522	0.74288	-0.00573	0.90164	-0.0477
-0.03571	0.44135	-0.06642	0.1518	0.022053	0.63453	-0.08736	0.05923	-0.05714
-0.03266	0.48138	-0.02599	0.57531	0.017401	0.70761	-0.05833	0.20834	0.022746
0.059343	0.20051	0.097336	0.03548	0.154347	0.00082	0.007685	0.86845	0.01009
0.037036	0.42458	0.040636	0.38094	0.066114	0.15373	-0.08943	0.05344	-0.10852
0.113257	0.01433	0.225967	8.05E-07	0.214647	2.86E-06	0.064043	0.16707	0.099688
-0.07523	0.10444	0.094949	0.04027	0.154161	0.00083	0.024815	0.59271	0.011316
0.063831	0.16848	0.051775	0.26416	0.071588	0.12238	0.084324	0.06866	0.043526
0.010302	0.82428	0.13206	0.00425	0.140807	0.00229	-0.0164	0.72379	0.005716
0.030164	0.51553	-0.00216	0.96283	0.112746	0.01478	0.062032	0.18082	0.124275
-0.10433	0.02415	-0.02851	0.53886	0.01778	0.70155	-0.09731	0.03553	-0.04469
-0.11548	0.01252	0.020426	0.65974	0.084169	0.06918	-0.09545	0.03923	-0.01627
0.106352	0.02153	0.179903	9.26E-05	0.23294	3.57E-07	0.060232	0.19384	0.098332
-0.01414	0.76057	0.126325	0.00627	0.106026	0.02193	-0.04526	0.32907	0.015483
-0.02404	0.60437	0.029132	0.53001	0.057696	0.21331	-0.04663	0.31462	-0.00889
-0.09756	0.03506	-0.0488	0.29262	0.001548	0.97339	-0.12451	0.00706	-0.13139
0.039027	0.4001	0.087434	0.05902	0.157826	0.00062	-0.09685	0.03641	-0.0275
0.026762	0.56401	0.027483	0.55356	-0.01798	0.69836	-0.09709	0.03595	-0.02108
0.055942	0.22758	0.048739	0.29323	0.057818	0.21235	-0.11792	0.01076	-0.0529
0.061378	0.18547	0.035382	0.44558	0.049838	0.28247	-0.16992	0.00023	-0.08952
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-0.08234	0.07546	0.012057	0.79496	-0.00324	0.94426	-0.02605	0.57446	0.018619
0.069801	0.13201	0.060134	0.19456	0.078771	0.08907	-0.05022	0.27877	0.059628
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0.085344	0.06537	0.039101	0.3992	0.053496	0.24858	-0.00805	0.86218	-0.01129
0.040296	0.38494	0.086234	0.0626	0.164284	0.00036	-0.06026	0.19365	-0.01335
-0.02223	0.63176	0.051769	0.26422	0.090458	0.05075	-0.03515	0.44862	-0.04077
0.00855	0.85381	0.022571	0.6266	0.03755	0.41819	-0.08198	0.07676	0.009751
-0.02796	0.5467	0.046946	0.31137	0.049437	0.28636	-0.04134	0.37279	0.005176
0.067165	0.14729	0.11098	0.01643	0.164901	0.00035	-0.0924	0.04597	-0.06941
0.003738	0.93579	0.122172	0.00822	0.187126	4.72E-05	-0.03051	0.51078	-0.01333
-0.10934	0.0181	-0.09468	0.04083	-0.0825	0.07489	-0.0175	0.70608	0.015868
-0.07329	0.11373	0.023939	0.60585	0.090355	0.05102	-0.10751	0.02014	-0.07985
-0.05481	0.23712	-0.0292	0.52901	-0.00672	0.88489	-0.09306	0.04443	-0.07421
0.056259	0.22495	0.09254	0.04564	0.058313	0.20845	-0.03884	0.40232	0.052417
0.028601	0.53753	0.041026	0.37639	0.05623	0.22519	0.024489	0.59758	0.069786
-0.10493	0.02335	-0.01713	0.712	-0.00379	0.93487	-0.05117	0.26977	0.013254
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0.029994	0.5179	0.045699	0.32441	0.00381	0.93455	0.037324	0.421	0.042238
-0.03281	0.47942	0.021734	0.63945	0.04481	0.33392	-0.01872	0.68651	0.03405
0.077822	0.093	-0.06021	0.19398	0.01171	0.80074	-0.07966	0.08552	-0.1118
0.001392	0.97607	0.033497	0.47021	-0.00763	0.8694	-0.0454	0.32756	-0.1423
-0.20697	6.49E-06	-0.08431	0.06873	-0.11943	0.00979	-0.02358	0.61127	0.186059
-0.2092	5.13E-06	-0.07496	0.10571	-0.14919	0.00122	0.034049	0.46292	0.227594
0.115443	0.01255	-0.03975	0.39144	-0.06765	0.14438	0.025771	0.57855	-0.0227
0.40108	1.78E-19	0.143781	0.00184	0.239777	1.57E-07	0.053264	0.25065	0.059949
0.242549	1.11E-07	0.128849	0.00529	0.269818	3.11E-09	-0.06959	0.13318	-0.04709
-0.18645	5.03E-05	-0.09681	0.03648	-0.08036	0.0828	-0.14999	0.00115	-0.07977
-0.12931	0.00513	-0.21771	2.04E-06	-0.31229	5.05E-12	0.012636	0.78536	-0.09389
-0.145	0.00168	-0.2625	8.48E-09	-0.20847	5.55E-06	0.071847	0.12103	0.064918
0.124375	0.00712	0.056972	0.21912	-0.10264	0.02655	0.375362	4.50E-17	0.505064
-0.02373	0.60902	0.116214	0.01196	0.042398	0.36062	-0.06668	0.15025	-0.03774
-0.07541	0.10361	-0.09463	0.04094	-0.02012	0.66458	-0.04923	0.28841	-0.08742
0.060719	0.19025	-0.05012	0.27979	0.027955	0.54677	-0.09985	0.03098	-0.18996
0.035831	0.43982	-0.01449	0.75478	0.043729	0.34573	0.031826	0.49265	-0.11782
0.131211	0.00451	0.016967	0.71458	0.088924	0.05482	0.066969	0.14847	-0.00383
0.083204	0.07244	0.047233	0.30842	0.003561	0.93883	0.115484	0.01251	-0.01132
0.018457	0.69076	-0.05518	0.23397	-0.06246	0.17781	0.048116	0.29945	-0.05147
0.065846	0.15541	0.015529	0.73784	0.048037	0.30025	-0.02456	0.59649	-0.08773
0.043559	0.3476	-0.19892	1.49E-05	-0.08213	0.07622	-0.11949	0.00975	-0.32052
0.028902	0.53327	-0.05328	0.25047	-0.03882	0.40262	0.008234	0.85914	-0.1389
-0.02993	0.51882	0.118829	0.01017	0.12946	0.00508	-0.06026	0.19366	0.00536
-0.1462	0.00154	-0.16275	0.00041	0.004606	0.92092	-0.17783	0.00011	-0.33145
-0.02839	0.5405	-0.19145	3.12E-05	-0.29252	1.15E-10	-0.06611	0.15373	-0.04164
-0.19765	1.69E-05	-0.11815	0.01061	-0.13142	0.00445	-0.16428	0.00036	-0.34375
0.210165	4.63E-06	0.16731	0.00028	0.255085	2.27E-08	0.076446	0.09895	-0.02476



-0.19758	1.70E-05	-0.07965	0.08554	-0.06567	0.1565	-0.23707	2.18E-07	-0.2161
0.312462	4.92E-12	0.202369	1.05E-05	0.175846	0.00013	0.182457	7.32E-05	0.039878
0.012541	0.78693	-0.15027	0.00113	0.089852	0.05233	-0.13327	0.00391	-0.08516
-0.13007	0.00487	-0.25796	1.55E-08	-0.22814	6.26E-07	-0.0945	0.04122	-0.29663
-0.0705	0.12818	-0.32483	6.16E-13	-0.34222	2.82E-14	-0.04129	0.37334	-0.24605
0.177633	0.00011	0.017768	0.70174	0.042993	0.35391	0.143192	0.00192	0.313465
0.179718	9.42E-05	0.007157	0.87742	-0.08022	0.08334	0.139385	0.00254	0.092825
-0.06547	0.1578	-0.03493	0.45138	-0.04149	0.37098	-0.20868	5.42E-06	-0.18536
0.077502	0.09435	0.119847	0.00953	0.107009	0.02073	-0.06537	0.15844	-0.02074
-0.00305	0.94753	0.045073	0.33109	0.043117	0.35253	-0.0356	0.44284	-0.05102
0.21765	2.06E-06	0.131235	0.0045	0.268523	3.73E-09	0.169919	0.00023	0.118839
0.360717	8.50E-16	0.192033	2.94E-05	0.159794	0.00053	0.124473	0.00708	0.06637
-0.02874	0.53553	0.002397	0.9588	-0.00505	0.91328	-0.04892	0.2914	-0.10236
-0.08016	0.08355	-0.12659	0.00616	0.092824	0.04497	-0.2081	5.76E-06	-0.0967
0.305331	1.56E-11	0.128009	0.0056	0.209702	4.87E-06	0.222531	1.19E-06	0.316611
-0.12918	0.00518	-0.33254	1.61E-13	-0.3484	8.98E-15	-0.05771	0.2132	-0.24912
-0.08961	0.05297	-0.0994	0.03175	-0.04261	0.35823	-0.0342	0.46096	-0.00288
0.066665	0.15032	-0.0423	0.36168	0.067226	0.14692	0.00103	0.9823	0.067191
0.080066	0.08392	-0.00858	0.85323	0.006921	0.88142	-0.00375	0.93551	-0.05393
-0.13846	0.00271	-0.01506	0.74549	-0.0377	0.41635	-0.14286	0.00197	-0.06561
-0.13964	0.00249	-0.46563	1.66E-26	-0.43648	3.83E-23	-0.26159	9.57E-09	-0.36525
-0.05941	0.19997	-0.01608	0.72882	-0.01277	0.78314	0.03825	0.40956	-0.06053
0.008986	0.84643	-0.03753	0.41847	0.011104	0.81086	-0.06202	0.1809	-0.17799
-0.01055	0.82018	-0.0083	0.85807	0.087894	0.0577	-0.0855	0.06488	-0.18553
0.104681	0.02368	0.115177	0.01275	0.109144	0.01831	-0.01415	0.76038	-0.01407
-0.08512	0.06609	-0.09815	0.03397	-0.046	0.32123	-0.13227	0.00419	-0.20221
0.211289	4.11E-06	0.043749	0.3455	-0.23116	4.41E-07	0.098093	0.03407	0.089917
0.376425	3.62E-17	0.225197	8.80E-07	0.154219	0.00083	0.31156	5.70E-12	0.445702
0.119226	0.00991	-0.22782	6.50E-07	-0.09631	0.03747	-0.14665	0.00148	-0.1147
0.092744	0.04516	-0.00058	0.98999	0.07194	0.12055	0.032499	0.48354	-0.18983
-0.15416	0.00083	-0.16366	0.00038	-0.18814	4.29E-05	-0.17634	0.00013	-0.20385
0.244843	8.38E-08	0.255621	2.11E-08	0.221591	1.32E-06	0.070189	0.12987	0.059519
0.348459	8.87E-15	-0.00053	0.99087	0.09207	0.04675	0.019672	0.67156	-0.0612
-0.05668	0.22153	-0.15199	0.00098	-0.05538	0.23231	-0.06489	0.16151	-0.11161
-0.13865	0.00268	-0.27178	2.37E-09	-0.18617	5.17E-05	-0.12442	0.0071	-0.20247
0.034	0.46357	-0.01102	0.81229	0.035601	0.44277	0.02068	0.65578	-0.11514
0.114853	0.01301	0.116057	0.01208	0.08124	0.07946	0.038342	0.40843	-0.03001
0.256007	2.01E-08	0.311626	5.64E-12	0.312504	4.88E-12	0.178058	0.00011	0.277989
0.249441	4.69E-08	0.237545	2.06E-07	0.292465	1.16E-10	0.135884	0.00326	0.078364
-0.20588	7.28E-06	-0.22794	6.41E-07	-0.25708	1.74E-08	-0.12328	0.00765	-0.0671
-0.10075	0.02949	-0.079	0.08815	-0.13451	0.00359	-0.13245	0.00414	-0.0596
0.158644	0.00058	0.263876	7.04E-09	0.213616	3.20E-06	0.06091	0.18885	0.045895
0.293998	9.17E-11	0.022442	0.62857	0.048197	0.29864	0.014238	0.75894	0.061086
0.04886	0.29203	-0.0535	0.24857	0.001457	0.97496	-0.03946	0.39491	0.036924
-0.06418	0.16617	0.003744	0.93569	0.05125	0.26904	-0.0896	0.05299	-0.18432

-0.1407	0.00231	-0.17509	0.00014	-0.17995	9.22E-05	-0.11279	0.01474	-0.18408
0.108797	0.01868	0.028354	0.54106	0.044799	0.33404	0.053266	0.25063	-0.02841
0.311004	6.24E-12	0.056566	0.22243	-0.00081	0.98613	0.07826	0.09117	0.116082
0.017478	0.70639	0.09493	0.04031	0.08258	0.07461	-0.0659	0.15508	-0.0566
0.084107	0.06938	0.06904	0.13629	0.056938	0.2194	0.041471	0.37122	-0.08296
0.073721	0.11161	0.090275	0.05122	0.039015	0.40024	0.14706	0.00144	0.072378
0.001083	0.98138	-0.04358	0.3474	0.006396	0.89035	-0.00062	0.98939	-0.11617
0.102047	0.02745	0.079815	0.0849	0.060908	0.18887	0.200142	1.31E-05	0.171799
0.040155	0.38661	0.028928	0.5329	0.023093	0.61864	0.068554	0.13908	-0.02344
0.003733	0.93587	-0.06362	0.1699	-0.01821	0.69471	0.087825	0.05789	0.164212
-0.24955	4.63E-08	-0.25838	1.47E-08	-0.2109	4.28E-06	-0.26977	3.14E-09	-0.39628
0.130575	0.00471	-0.22123	1.38E-06	-0.02351	0.61231	0.029306	0.52755	-0.17104
0.302402	2.48E-11	0.246361	6.93E-08	0.190451	3.43E-05	0.330736	2.21E-13	0.382772
0.113568	0.01406	-0.04948	0.2859	0.180012	9.17E-05	-0.11556	0.01246	0.022596
0.142558	0.00201	0.16926	0.00024	0.153106	0.0009	-0.10753	0.02011	-0.08341
0.190668	3.36E-05	0.275856	1.33E-09	0.326312	4.77E-13	0.162282	0.00043	0.077727
0.115644	0.01239	0.18273	7.14E-05	0.238632	1.80E-07	0.008251	0.85886	0.04977
0.050967	0.27169	0.063475	0.17087	0.078137	0.09168	0.004138	0.92894	-0.05358
0.26622	5.11E-09	0.178242	0.00011	0.214046	3.05E-06	0.28763	2.40E-10	0.183227
0.090449	0.05077	0.04016	0.38655	0.091054	0.04924	0.138352	0.00273	-0.0966
0.073431	0.11302	0.002117	0.96361	0.080862	0.08088	-0.03263	0.48175	-0.08468
0.190439	3.44E-05	0.181132	8.27E-05	0.307926	1.03E-11	-0.02862	0.53728	-0.04222
0.1528	0.00092	0.072525	0.11755	0.206388	6.90E-06	-0.10994	0.01747	-0.08834
0.093936	0.04246	0.139013	0.00261	0.271219	2.56E-09	0.020726	0.65506	-0.03172
0.130458	0.00475	0.083427	0.07167	0.215041	2.74E-06	0.000686	0.9882	-0.08269
0.115785	0.01228	0.181781	7.79E-05	0.226266	7.78E-07	0.011892	0.7977	0.007336
0.225171	8.82E-07	0.160251	0.00051	0.31805	1.95E-12	0.097085	0.03596	0.140102
0.184805	5.88E-05	0.179306	9.78E-05	0.28985	1.72E-10	0.078422	0.0905	0.069032
0.008119	0.86109	0.050964	0.27172	0.168245	0.00026	-0.08685	0.06073	-0.04047
0.194257	2.37E-05	0.30392	1.95E-11	0.357876	1.48E-15	0.110081	0.01733	0.224296
0.097595	0.03499	0.247662	5.88E-08	0.157733	0.00062	0.078232	0.09128	0.125627
0.206725	6.66E-06	0.156163	0.00071	0.162263	0.00043	0.098501	0.03333	0.05275
0.248857	5.05E-08	0.260235	1.15E-08	0.276379	1.24E-09	0.051786	0.26406	0.07639
0.096888	0.03634	0.196135	1.97E-05	0.160802	0.00049	-0.10267	0.02652	-0.10521
0.213419	3.27E-06	0.085801	0.06394	0.215921	2.49E-06	0.058413	0.20767	-0.03308
0.186033	5.24E-05	0.175152	0.00014	0.2542	2.54E-08	0.050329	0.27775	-0.06343
0.302356	2.50E-11	0.282535	5.09E-10	0.319149	1.62E-12	0.241369	1.29E-07	0.239827
0.294669	8.27E-11	0.209467	4.99E-06	0.343787	2.11E-14	0.072914	0.11559	0.043824
0.184761	5.90E-05	0.232642	3.70E-07	0.270511	2.83E-09	0.01299	0.77949	0.09356
0.200674	1.25E-05	0.219973	1.59E-06	0.277965	9.86E-10	0.09582	0.03846	0.136493
-0.12826	0.00551	-0.28249	5.12E-10	-0.2178	2.02E-06	-0.21984	1.61E-06	-0.28364
0.108934	0.01853	0.006287	0.89221	0.047107	0.30971	-0.0606	0.19109	-0.12815
0.077992	0.09228	0.15985	0.00053	0.120421	0.00919	0.005175	0.91119	-0.10212
0.075669	0.10243	0.102169	0.02726	0.028072	0.54509	0.107493	0.02016	-0.04083
0.086907	0.06057	0.10746	0.02019	0.093789	0.04278	0.138712	0.00266	0.104028

0.106608	0.02121	0.076052	0.1007	0.072201	0.1192	0.050502	0.2761	-0.03036
-0.20254	1.03E-05	-0.22286	1.15E-06	-0.1616	0.00045	-0.28921	1.89E-10	-0.47313
0.139583	0.0025	0.277299	1.08E-09	0.255084	2.27E-08	0.090681	0.05018	0.072971
0.144197	0.00178	0.089343	0.05368	0.217548	2.08E-06	0.038249	0.40957	0.05745
0.049858	0.28227	-0.13621	0.00318	-0.06181	0.18243	0.027082	0.55936	0.150814
0.295033	7.82E-11	0.162552	0.00042	0.087388	0.05916	0.053186	0.25134	0.365271
-0.01338	0.77304	-0.04358	0.34737	-0.04749	0.30581	-0.12767	0.00573	-0.20201
-0.02322	0.61666	0.080384	0.08269	0.028027	0.54574	-0.02198	0.63565	-0.02185
0.296455	6.28E-11	0.31008	7.25E-12	0.32194	1.01E-12	0.200563	1.26E-05	0.048677
-0.13866	0.00267	0.010541	0.82028	0.038863	0.40209	-0.15623	0.0007	-0.07609
-0.08129	0.07928	-0.02586	0.5772	-0.02059	0.6572	-0.1817	7.85E-05	-0.03803
-0.06732	0.14637	-0.03198	0.49051	0.002871	0.95067	-0.05036	0.27746	0.010276
0.022724	0.62426	-0.04552	0.32636	-0.00852	0.85427	-0.2196	1.66E-06	-0.33208
0.256932	1.78E-08	0.166413	0.0003	0.016946	0.71493	0.197414	1.73E-05	0.18707
-0.014	0.76282	-0.07619	0.10006	-0.0728	0.11616	-0.26479	6.22E-09	-0.22213
-0.08821	0.05679	-0.14496	0.00169	-0.13137	0.00446	-0.20061	1.25E-05	-0.15873
-0.04784	0.30223	0.033517	0.46995	0.056727	0.22111	-0.06707	0.14787	-0.04566
-0.08014	0.08363	-0.13832	0.00274	-0.12709	0.00595	-0.13576	0.00329	-0.05417
0.152065	0.00098	0.004141	0.92888	-0.05252	0.25738	0.177058	0.00012	0.250832
0.019854	0.6687	0.028449	0.5397	0.073592	0.11224	-0.06559	0.15704	-0.01153
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0.048088	0.29973	-0.01521	0.74304	0.032647	0.48155	-0.14723	0.00142	-0.16575
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0.049621	0.28457	0.142684	0.00199	0.067329	0.14629	0.069088	0.13602	0.164993
0.052503	0.25749	0.082456	0.07505	0.033897	0.46492	0.136599	0.0031	0.076598
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0.221136	1.39E-06	0.160407	0.0005	0.099231	0.03204	0.078711	0.08931	0.22475
0.205329	7.71E-06	-0.10702	0.02072	0.087614	0.0585	-0.13611	0.00321	-0.23072
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0.225782	8.23E-07	0.235813	2.53E-07	0.316937	2.34E-12	0.258927	1.37E-08	0.315937
0.189575	3.74E-05	-0.09444	0.04135	0.040138	0.38682	0.066753	0.14979	0.123705
0.017616	0.70417	-0.03742	0.41975	-0.01701	0.71384	-0.14863	0.00128	-0.15354
0.048134	0.29927	0.043266	0.35086	0.055363	0.23243	-0.01154	0.80354	-0.024
-0.00508	0.91289	-0.03405	0.46291	0.014041	0.76217	-0.12543	0.00665	-0.20631
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0.010815	0.81568	0.043298	0.3505	0.080278	0.0831	-0.03042	0.51193	-0.08073
-0.1804	8.85E-05	-0.13755	0.00289	-0.15478	0.00079	-0.11421	0.01352	-0.30969
-0.12751	0.00579	0.009798	0.83275	-0.01618	0.72722	-0.02198	0.63565	0.050258
-0.01708	0.71275	0.026518	0.56758	0.059104	0.20233	0.034068	0.46267	0.061488
-0.06727	0.14667	-0.00375	0.93555	0.053708	0.24671	-0.11133	0.01609	-0.13612
0.253621	2.74E-08	0.196332	1.93E-05	0.287422	2.47E-10	0.030425	0.5119	-0.03341
0.009642	0.83538	0.126701	0.00611	0.129699	0.005	-0.07253	0.11751	-0.11923
0.103934	0.0247	-0.07843	0.09046	-0.09639	0.03731	0.077026	0.0964	-0.09894
0.147048	0.00144	0.246921	6.46E-08	0.177207	0.00012	0.159482	0.00054	0.170927
-0.06576	0.15597	0.240975	1.35E-07	-0.04615	0.31964	0.160086	0.00052	0.450789

0.025078	0.58881	0.003066	0.94731	0.021652	0.64072	-0.03955	0.39378	-0.03532
0.086331	0.06231	0.117389	0.01112	0.168921	0.00025	0.059234	0.20134	-0.11133
-0.24723	6.21E-08	-0.27668	1.19E-09	-0.27026	2.93E-09	-0.07371	0.11167	-0.03799
-0.20106	1.20E-05	-0.20332	9.50E-06	-0.25071	3.99E-08	-0.01841	0.69148	-0.06594
0.250176	4.27E-08	0.198427	1.56E-05	0.281031	6.33E-10	0.338548	5.49E-14	0.254496
-0.02505	0.58924	-0.07889	0.08859	0.009231	0.8423	-0.2553	2.20E-08	-0.28549
0.026154	0.5729	-0.0359	0.43896	-0.02642	0.56903	-0.12352	0.00753	-0.17946
0.008028	0.86264	0.017349	0.70845	0.051284	0.26872	0.034992	0.45061	-0.0583
0.161491	0.00046	0.148604	0.00128	0.00264	0.95463	0.195831	2.03E-05	0.169823
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0.059005	0.20309	-0.07551	0.10318	-0.05573	0.22932	0.029259	0.52821	-0.04837
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0.256568	1.87E-08	0.2525	3.17E-08	0.025477	0.58288	0.382384	1.04E-17	0.410197
-0.2388	1.77E-07	-0.14013	0.0024	-0.13721	0.00297	-0.12766	0.00573	-0.10732
0.062007	0.181	0.148057	0.00133	0.114886	0.01298	0.148256	0.00131	0.15015
0.042142	0.36353	0.16991	0.00023	0.137386	0.00293	-0.0681	0.14174	0.05241
0.006558	0.8876	0.109255	0.01819	0.04978	0.28303	0.042807	0.356	-0.14571
-0.16839	0.00026	-0.19792	1.64E-05	-0.17782	0.00011	-0.05219	0.26038	0.053465
-0.14951	0.00119	0.010181	0.82632	0.001296	0.97771	0.024296	0.60048	0.200966
0.221411	1.35E-06	0.26783	4.10E-09	0.142808	0.00198	0.144794	0.00171	0.011674
0.030028	0.51742	-0.05836	0.20806	-0.08076	0.08126	-0.0945	0.04122	-0.2336
0.062489	0.17762	0.068439	0.13974	0.07171	0.12174	-0.10487	0.02342	-0.07443
0.109319	0.01812	0.036543	0.43078	-0.14703	0.00144	0.284531	3.80E-10	0.292934
0.208723	5.40E-06	0.026722	0.5646	0.120435	0.00918	-0.11696	0.01143	-0.09969
0.155236	0.00076	0.127012	0.00599	-0.00459	0.92123	0.261263	1.00E-08	0.308949
-0.06039	0.1927	0.069994	0.13095	0.214531	2.89E-06	-0.01162	0.8022	-0.07808
0.145522	0.00162	0.00983	0.83221	0.014774	0.75016	0.215139	2.71E-06	0.198595
0.012652	0.78509	-0.01459	0.75318	0.024309	0.60028	-0.01567	0.73554	-0.0593
-0.00869	0.85147	-0.10039	0.03008	-0.07811	0.09179	-0.13128	0.00449	-0.20345
0.042638	0.35791	-0.00967	0.83491	0.006017	0.89682	0.026378	0.56963	-0.01328
-0.03409	0.46235	0.222107	1.25E-06	0.21779	2.02E-06	-0.11367	0.01398	-0.028
0.04559	0.32557	0.073533	0.11252	0.077024	0.09641	0.085628	0.06448	0.149654
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0.159088	0.00056	0.300386	3.41E-11	0.32591	5.11E-13	0.129046	0.00522	0.172407
0.250248	4.23E-08	0.275653	1.37E-09	0.231144	4.41E-07	0.017742	0.70215	-0.11901
0.029077	0.53078	0.135313	0.00339	0.021735	0.63943	-0.01293	0.78044	0.129508
0.222109	1.25E-06	0.214876	2.79E-06	0.259809	1.22E-08	0.006457	0.88932	-0.04523
-0.16591	0.00032	0.020467	0.65911	-0.03088	0.50555	-0.04158	0.37001	0.109339
-0.05831	0.20847	-0.26917	3.41E-09	-0.17618	0.00013	-0.06026	0.19366	-0.18566
-0.27733	1.08E-09	-0.21045	4.49E-06	-0.19835	1.58E-05	-0.25075	3.97E-08	-0.15629
-0.10214	0.0273	0.024967	0.59045	0.007866	0.86538	-0.04045	0.38314	-0.08617
-0.24903	4.94E-08	0.001749	0.96993	-0.04999	0.28101	-0.00011	0.99812	0.173391
0.283185	4.63E-10	0.257708	1.61E-08	0.152067	0.00098	0.363505	4.92E-16	0.441988
0.024818	0.59268	-0.03508	0.44945	0.00069	0.98814	-0.0357	0.44154	-0.03737

-0.26919	3.40E-09	-0.0972	0.03574	-0.1821	7.57E-05	-0.13869	0.00267	-0.02259
0.044196	0.34059	-0.02546	0.58306	-0.02065	0.6562	-0.13704	0.003	-0.1861
-0.2178	2.02E-06	-0.12642	0.00623	-0.23502	2.79E-07	-0.21558	2.58E-06	-0.15223
0.036677	0.42909	-0.03113	0.50218	0.034602	0.45568	0.002167	0.96275	0.045244
-0.06829	0.14061	-0.18372	6.51E-05	-0.05433	0.24128	-0.01321	0.77589	0.113741
-0.10177	0.02788	0.044585	0.33636	0.092619	0.04545	0.069477	0.13382	0.038615
0.094545	0.04113	0.062798	0.17549	0.07997	0.08429	-0.11163	0.0158	-0.05739
-0.07232	0.11861	-0.13911	0.00259	-0.06476	0.16237	-0.22292	1.14E-06	-0.33903
0.216321	2.38E-06	0.266613	4.85E-09	0.259178	1.32E-08	0.110682	0.01672	0.011366
0.153974	0.00084	0.198131	1.61E-05	0.259141	1.33E-08	0.010186	0.82623	0.013809
-0.04325	0.35106	-0.05295	0.25347	0.004148	0.92876	-0.22245	1.20E-06	-0.13822
0.051173	0.26976	0.064714	0.16266	0.207349	6.24E-06	-0.00904	0.84549	-0.00757
-0.06345	0.17106	-0.24954	4.63E-08	-0.12963	0.00502	-0.2312	4.38E-07	-0.34064
0.082132	0.07621	0.214859	2.79E-06	0.144999	0.00168	0.166473	0.0003	0.137446
0.263981	6.94E-09	0.142747	0.00199	0.023164	0.61756	0.29185	1.27E-10	0.219794
-0.05304	0.25269	-0.17699	0.00012	-0.19297	2.69E-05	-0.0906	0.05039	0.002307
-0.04373	0.34574	-0.09562	0.03888	-0.0838	0.07041	-0.10366	0.02508	-0.30422
0.073452	0.11292	0.066909	0.14884	0.133238	0.00392	0.008277	0.85841	0.250156
0.062618	0.17673	0.001265	0.97825	0.055558	0.23079	0.024092	0.60355	0.037791
0.078111	0.09179	0.045291	0.32875	0.142212	0.00207	-0.05128	0.26876	-0.20894
0.278172	9.57E-10	0.200014	1.33E-05	0.278516	9.11E-10	0.057706	0.21323	0.031629
0.156707	0.00068	0.018738	0.68631	0.047668	0.30397	-0.0965	0.0371	-0.18214
0.044714	0.33497	-0.00953	0.83722	-0.00558	0.90432	-0.03606	0.4369	-0.13718
0.155481	0.00075	-0.0151	0.74478	0.103932	0.0247	0.054092	0.24335	-0.01002
0.135914	0.00325	-0.04706	0.31018	-0.09871	0.03295	0.271424	2.49E-09	0.078552
0.09324	0.04402	-0.00188	0.96776	0.141436	0.00219	0.134883	0.0035	0.222509
-0.10995	0.01746	-0.18644	5.04E-05	-0.06061	0.19104	-0.22273	1.16E-06	-0.17148
-0.06291	0.17474	0.218399	1.89E-06	0.073736	0.11153	0.076626	0.09815	0.075911
0.217181	2.16E-06	0.274259	1.67E-09	0.171071	0.0002	0.158431	0.00059	0.199927
-0.10061	0.02972	0.040877	0.37812	0.016936	0.71509	-0.00614	0.89466	0.042284
0.175661	0.00014	-0.10525	0.02293	-0.01151	0.80403	0.23372	3.25E-07	0.264705
-0.28235	5.23E-10	-0.05909	0.20243	-0.15048	0.00111	-0.05579	0.22881	0.019377
-0.0148	0.74978	0.031518	0.49685	0.122279	0.00816	-0.01415	0.76035	-0.03972
-0.03245	0.48426	-0.20326	9.55E-06	-0.23712	2.17E-07	-0.01953	0.67374	-0.15928
-0.1202	0.00932	-0.14718	0.00143	-0.09774	0.03473	-0.23788	1.97E-07	-0.25843
0.128465	0.00543	0.150267	0.00113	0.250492	4.10E-08	0.122545	0.00802	0.209751
0.133848	0.00376	0.079636	0.0856	0.163765	0.00038	-0.02401	0.60483	-0.14888
0.015052	0.74562	0.06224	0.17936	0.151958	0.00099	0.134074	0.0037	0.048019
0.21626	2.40E-06	0.222346	1.22E-06	0.101804	0.02782	0.282394	5.19E-10	0.342668
-0.03039	0.51234	-0.01101	0.81246	-0.00108	0.9814	-0.01745	0.7068	-0.09136
-0.01405	0.76201	0.127214	0.00591	0.126486	0.0062	-0.01693	0.7152	0.069391
-0.09968	0.03126	-0.12743	0.00582	-0.11884	0.01016	-0.13697	0.00302	-0.26597
0.16521	0.00034	0.16936	0.00024	0.149579	0.00119	0.036401	0.43258	-0.08972
0.012367	0.78982	-0.03809	0.41154	-0.00566	0.90299	-0.25326	2.87E-08	-0.39987
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0.283791	4.23E-10	0.247515	5.99E-08	0.216616	2.30E-06	0.026693	0.56502	-0.08119
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0.085978	0.06339	0.013541	0.7704	0.034094	0.46232	-0.16583	0.00032	-0.25073
0.208962	5.26E-06	0.074069	0.10992	0.208919	5.29E-06	0.150498	0.00111	0.103796
0.12445	0.00709	0.049346	0.28725	-0.02189	0.63703	0.091122	0.04907	0.157646
0.003441	0.94089	-0.07336	0.11337	-0.02212	0.63348	-0.08803	0.05732	-0.22372
-0.25819	1.51E-08	-0.2774	1.07E-09	-0.13438	0.00362	-0.21678	2.26E-06	-0.33386
0.180496	8.77E-05	0.180864	8.48E-05	0.192519	2.81E-05	0.056402	0.22377	0.213739
-0.05079	0.27337	-0.08279	0.07387	-0.08164	0.07798	-0.20445	8.45E-06	-0.15104
-0.0609	0.18891	0.053645	0.24727	0.104646	0.02372	-0.01938	0.67618	0.063629
-0.03596	0.43813	0.070326	0.12912	0.033352	0.47213	-0.045	0.33189	-0.09248
0.093993	0.04233	0.063786	0.16878	-0.01018	0.82629	0.100704	0.02956	0.064309
-0.1061	0.02184	0.010839	0.81529	0.041167	0.37474	-0.10793	0.01965	-0.14949
-0.09808	0.03409	-0.04171	0.36843	-0.04528	0.32887	-0.05696	0.21922	-0.02195
0.035302	0.44661	0.007111	0.87819	0.093701	0.04298	-0.12828	0.0055	-0.01422
0.077562	0.0941	0.114257	0.01349	0.075863	0.10155	0.110533	0.01687	0.124452
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-0.07543	0.10354	-0.10187	0.02771	-0.17582	0.00013	0.076627	0.09814	-0.10206
-0.01987	0.66838	0.066153	0.15349	0.078493	0.0902	0.007709	0.86803	0.040314
0.126996	0.00599	0.120757	0.009	0.060548	0.1915	0.082347	0.07544	0.049539
0.032844	0.47892	0.016683	0.71916	0.008903	0.84783	0.070263	0.12947	0.020418
0.140335	0.00237	0.059712	0.19772	0.083436	0.07164	0.098959	0.03251	-0.04697
0.114246	0.0135	-0.01404	0.76222	0.031583	0.49596	-0.00935	0.84027	-0.12955
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0.00086	0.98521	0.021887	0.63709	0.019462	0.67485	-0.05078	0.27345	-0.02627
0.137101	0.00299	0.025858	0.57726	0.122645	0.00797	0.021047	0.65007	-0.07556
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0.136494	0.00312	0.04034	0.38442	-0.04953	0.2855	0.144538	0.00174	0.142746
0.012888	0.78118	-0.10676	0.02102	-0.04685	0.31233	-0.06914	0.13574	-0.25968
0.015312	0.74138	0.10957	0.01785	0.052495	0.25756	0.215784	2.52E-06	0.120638
0.107186	0.02052	0.206736	6.66E-06	0.227925	6.43E-07	-0.11352	0.0141	-0.08225
0.202853	9.96E-06	0.275732	1.36E-09	0.361966	6.66E-16	0.034472	0.45738	0.109685
-0.05938	0.20025	-0.0426	0.35829	0.027456	0.55395	0.019148	0.67981	-0.0056
0.104237	0.02428	0.174169	0.00016	0.183925	6.38E-05	0.010132	0.82714	0.007028
0.121026	0.00884	-0.00733	0.87447	0.109069	0.01839	0.009742	0.83369	0.100972
0.076768	0.09752	-0.0243	0.6004	-0.0266	0.56643	0.009586	0.83631	0.007759
-0.23063	4.69E-07	-0.06684	0.14929	-0.15905	0.00056	-0.05129	0.2687	-0.00449
0.012235	0.792	0.012196	0.79266	-0.05333	0.25004	0.005095	0.91257	0.023843
-0.04728	0.30794	-0.07798	0.09231	-0.13496	0.00348	-0.02989	0.51928	-0.00555
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0.205095	7.90E-06	0.3224	9.33E-13	0.083883	0.07013	0.245318	7.90E-08	0.335322
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0.223447	1.07E-06	0.002135	0.9633	0.104171	0.02437	0.223041	1.12E-06	0.219691
0.095827	0.03845	0.02411	0.60327	-0.04152	0.37069	0.094594	0.04102	0.098605
0.219697	1.64E-06	0.216557	2.32E-06	0.002281	0.9608	0.104951	0.02332	0.290977
-0.08922	0.05402	-0.13166	0.00437	-0.19718	1.77E-05	-0.11645	0.01179	-0.05436
-0.01161	0.80239	0.111764	0.01568	-0.01809	0.69662	0.114566	0.01324	0.118095
0.05939	0.20015	0.153368	0.00088	0.139895	0.00245	0.159251	0.00055	0.019872
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0.032791	0.47963	0.075062	0.10522	0.093156	0.04421	-0.02746	0.55391	0.018787
0.310491	6.79E-12	0.052252	0.25978	0.089151	0.0542	0.048516	0.29544	0.099575
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-0.05023	0.27867	0.188032	4.33E-05	0.021704	0.63992	-0.01374	0.76707	0.032395
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0.024682	0.59471	0.045571	0.32577	0.047336	0.30736	-0.00125	0.97856	-0.05419
0.168942	0.00024	-0.02433	0.59997	-0.02454	0.59677	0.053027	0.25277	0.026149
0.112363	0.01513	0.133201	0.00393	0.074894	0.106	-0.15321	0.0009	-0.05664
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0.014243	0.75886	0.037572	0.41791	0.041648	0.36919	0.10636	0.02151	0.138688
0.087009	0.06027	0.262614	8.34E-09	0.221205	1.38E-06	0.10005	0.03064	0.118625
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0.248528	5.27E-08	0.283997	4.11E-10	0.276203	1.27E-09	0.12975	0.00498	-0.06334
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0.05518	0.23398	0.071448	0.12311	0.049779	0.28304	-0.09706	0.03602	-0.04345
0.067793	0.14353	0.020461	0.6592	0.002291	0.96062	-0.01186	0.79823	-0.07478
-0.05054	0.27571	-0.07285	0.11593	-0.12125	0.00872	0.03095	0.50465	0.040964
-0.07045	0.12845	-0.05285	0.25436	-0.05258	0.2568	-0.02901	0.53168	-0.09012
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0.009241	0.84213	0.09832	0.03366	0.030264	0.51414	-0.02922	0.52876	0.031971
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0.149845	0.00116	0.03966	0.39249	0.232199	3.90E-07	-0.1955	2.09E-05	-0.25663
0.031991	0.4904	0.095097	0.03995	0.07664	0.09809	0.053073	0.25235	0.026992
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0.18693	4.81E-05	0.195834	2.03E-05	-0.0324	0.48491	0.076683	0.0979	0.080205
0.081826	0.07731	0.195447	2.11E-05	0.036861	0.42678	0.002883	0.95046	-0.02024
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0.156443	0.00069	0.082366	0.07537	0.018713	0.68669	0.033235	0.47369	-0.02973
-0.08675	0.06104	-0.24308	1.04E-07	-0.20192	1.10E-05	-0.18567	5.42E-05	-0.38487
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0.09337	0.04372	0.074745	0.10671	0.081739	0.07763	0.010974	0.81303	-0.0476
0.295756	7.00E-11	0.349811	6.88E-15	0.280376	6.97E-10	0.12364	0.00747	0.272649

0.369422	1.51E-16	0.171704	0.00019	0.197412	1.73E-05	0.14027	0.00238	0.228054
0.009805	0.83263	0.085712	0.06421	0.025019	0.58968	0.003051	0.94757	-0.09633
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-0.1002	0.03039	0.05672	0.22117	0.064998	0.16082	-0.04433	0.33911	-0.0482
0.042216	0.36269	-0.1171	0.01133	0.067744	0.14382	-0.05727	0.21673	-0.2185
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0.056216	0.2253	-0.11677	0.01156	-0.05362	0.2475	-0.04836	0.29702	-0.00943
0.090626	0.05032	0.095993	0.03811	0.107947	0.01963	-0.08058	0.08195	-0.04593
0.07048	0.12828	0.115441	0.01255	0.119144	0.00997	0.100987	0.0291	-0.00284
0.04967	0.2841	-0.03936	0.39609	0.053762	0.24624	0.040032	0.38807	-0.15979
0.033745	0.46693	0.030936	0.50483	0.026329	0.57034	0.116126	0.01203	0.051057
0.161523	0.00046	0.159018	0.00056	0.166017	0.00031	0.040168	0.38646	0.256915
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0.064247	0.16572	-0.00943	0.83901	-0.0317	0.49439	0.013055	0.77843	-0.03881
0.02886	0.53386	-0.00261	0.95507	0.029281	0.5279	-0.02774	0.54986	-0.04286
-0.06343	0.17119	-0.13086	0.00462	-0.25556	2.13E-08	-0.05602	0.22697	-0.13142
-0.05032	0.27779	-0.00588	0.8992	-0.01268	0.78462	-0.08897	0.0547	-0.06968
-0.03	0.51786	0.002447	0.95794	-0.01893	0.68333	0.031738	0.49384	0.017032
0.034823	0.4528	-0.00281	0.9517	0.062878	0.17494	0.050262	0.27839	-0.04568
-0.01639	0.72383	-0.04333	0.35011	-0.01742	0.70737	-0.02439	0.5991	-0.09625
-0.0168	0.71734	0.032816	0.47929	0.101826	0.02778	0.137456	0.00291	0.236957
0.108014	0.01955	-0.09088	0.04967	-0.04233	0.36136	0.031545	0.49649	-0.16004
0.062633	0.17663	0.052083	0.26132	0.009492	0.83791	0.057071	0.21832	-0.16353
0.027678	0.55074	-0.11518	0.01275	-0.04897	0.29093	-0.19231	2.87E-05	-0.25419
0.154145	0.00083	0.096791	0.03653	0.027741	0.54984	0.013965	0.76342	0.306659
0.003392	0.94173	-0.09855	0.03325	-0.05305	0.25254	-0.21435	2.95E-06	-0.24577
-0.05634	0.2243	-0.13544	0.00336	-0.04289	0.35509	-0.14212	0.00208	-0.17492
-0.09381	0.04274	-0.09579	0.03853	-0.06289	0.17487	-0.05466	0.23844	0.007664
-0.23474	2.88E-07	-0.34215	2.85E-14	-0.29602	6.72E-11	-0.23282	3.62E-07	-0.23772
-0.11832	0.0105	-0.00514	0.91182	-0.00685	0.88266	-0.17087	0.00021	-0.14393
-0.10414	0.02441	-0.12109	0.00881	-0.06441	0.16464	-0.31922	1.60E-12	-0.3663
0.140722	0.0023	0.247937	5.68E-08	0.233676	3.27E-07	0.129919	0.00492	0.087644
-0.03923	0.39768	-0.0667	0.15014	-0.07213	0.11956	0.078984	0.08821	0.08216
-0.09811	0.03404	-0.02446	0.59798	-0.06243	0.17803	-0.12745	0.00581	-0.13644
-0.1127	0.01482	-0.12598	0.00641	-0.06629	0.15262	-0.07571	0.10225	-0.15558
-0.0607	0.19036	-0.01086	0.81486	-0.0054	0.90739	0.016248	0.72619	0.018713
0.162482	0.00042	-0.07681	0.09735	0.063319	0.17193	0.076692	0.09786	-0.00699
-0.05363	0.24742	-0.04062	0.38116	0.049743	0.28339	-0.12332	0.00763	-0.20265
-0.10724	0.02045	-0.16055	0.0005	-0.0729	0.11565	0.001665	0.97138	-3.78E-05
0.082475	0.07499	0.078823	0.08886	0.097062	0.03601	-0.01668	0.71919	-0.05244
-0.02694	0.56142	-0.11584	0.01225	-0.07047	0.12836	0.011773	0.7997	-0.03428
-0.09616	0.03777	-0.00978	0.83298	0.037924	0.41356	-0.07345	0.11293	-0.07368
0.12884	0.0053	-0.12351	0.00754	-0.1146	0.01321	-0.04455	0.33673	-0.12821
-0.15531	0.00076	-0.05584	0.22842	-0.13981	0.00246	-0.07241	0.11815	-0.0416



-0.01083	0.81545	-0.0741	0.10979	-0.12505	0.00681	0.063656	0.16965	-0.00609
0.098437	0.03344	0.197349	1.74E-05	0.089596	0.053	0.016176	0.72736	-0.06257
0.19219	2.90E-05	0.229078	5.62E-07	0.161209	0.00047	0.189922	3.61E-05	0.286993
-0.05202	0.26186	-0.11344	0.01417	-0.05013	0.27963	0.095754	0.0386	-0.05246
0.043541	0.34781	0.135562	0.00333	0.073314	0.1136	0.195758	2.04E-05	0.208656
-5.14E-05	0.99912	0.048994	0.29071	0.006442	0.88957	0.041345	0.37269	0.108352
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-0.12259	0.008	-0.10485	0.02345	0.009528	0.8373	-0.24599	7.26E-08	-0.23783
0.094026	0.04226	0.132735	0.00406	-0.01452	0.75433	0.095549	0.03902	0.061717
0.37582	4.10E-17	0.164788	0.00035	0.009043	0.84548	0.247038	6.36E-08	0.357979
0.042369	0.36095	-0.02987	0.5197	0.028856	0.53391	-0.2244	9.63E-07	-0.17339
0.143416	0.00189	0.191188	3.20E-05	0.145895	0.00157	0.2402	1.49E-07	0.29357
0.062755	0.17579	0.102989	0.02604	0.140528	0.00234	0.01156	0.80324	0.066953
-0.12289	0.00785	-0.19139	3.14E-05	-0.17933	9.75E-05	-0.0749	0.10598	-0.18913
0.053605	0.24762	0.09279	0.04505	0.143383	0.00189	-0.0064	0.89025	0.023877
0.05608	0.22643	0.137224	0.00296	0.072762	0.11635	0.169296	0.00024	0.143449
-0.13045	0.00475	-0.16225	0.00043	-0.09411	0.04207	-0.13721	0.00297	0.019881
0.325843	5.17E-13	0.11145	0.01597	0.206068	7.14E-06	0.179412	9.68E-05	-0.03821
-0.1487	0.00127	-0.16749	0.00028	-0.11746	0.01107	-0.27507	1.49E-09	-0.39015
-0.03591	0.43878	0.091484	0.04817	0.032642	0.48162	0.043082	0.35292	-0.04202
-0.27744	1.06E-09	-0.23057	4.72E-07	-0.28553	3.28E-10	-0.11827	0.01053	0.094799
0.108658	0.01883	0.238646	1.80E-07	0.21385	3.12E-06	-0.01137	0.80643	0.007236
-0.02057	0.65751	0.02906	0.53103	0.031856	0.49224	-0.15473	0.00079	-0.12519
-0.05422	0.24223	-0.09439	0.04147	-0.03533	0.44626	0.009259	0.84182	0.119261
0.019899	0.66799	0.267509	4.28E-09	0.254793	2.35E-08	-0.00968	0.8347	0.101856
0.071628	0.12217	-0.02355	0.61165	0.083168	0.07256	0.027668	0.55089	-0.12841
0.052981	0.25318	-0.05947	0.19951	0.139382	0.00254	-0.00051	0.99124	-0.17167
0.028335	0.54133	-0.01789	0.69978	0.161523	0.00046	-0.16275	0.00041	-0.11993
0.082374	0.07534	0.021143	0.64858	0.035236	0.44746	-0.03085	0.50602	-0.04951
0.079139	0.08758	0.020306	0.66161	0.100778	0.02944	-0.02517	0.58751	-0.11784
0.156933	0.00067	0.192974	2.69E-05	0.023672	0.60987	0.074242	0.10909	0.238463
0.180388	8.86E-05	0.143756	0.00184	0.134877	0.0035	-0.10155	0.02821	-0.21043
-0.06585	0.15537	-0.09341	0.04363	-0.07939	0.08659	-0.20441	8.48E-06	-0.23122
0.16545	0.00033	0.011326	0.80715	-0.01958	0.67301	-0.01075	0.81674	-0.04395
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0.235447	2.65E-07	0.208455	5.55E-06	0.305308	1.57E-11	0.013133	0.77714	0.049593
-0.01222	0.79229	-0.00837	0.8569	-0.00984	0.83203	-0.04348	0.34843	0.016433
0.110355	0.01705	0.123956	0.00732	0.07411	0.10972	0.061571	0.18409	0.027583
-0.12899	0.00524	-0.20871	5.41E-06	-0.37201	8.93E-17	-0.04864	0.29418	0.021096
-0.09889	0.03263	-0.11914	0.00997	-0.07537	0.1038	-0.12585	0.00647	-0.15573
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0.234896	2.83E-07	0.119386	0.00981	0.033839	0.46569	0.264394	6.56E-09	0.179866
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0.130497	0.00473	-0.05755	0.21446	-0.14272	0.00199	0.149332	0.00121	0.04429
0.083743	0.0706	0.146667	0.00148	0.094124	0.04204	0.047002	0.31079	0.144417

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0.117268	0.01121	0.061493	0.18465	0.066581	0.15084	0.015954	0.73094	-0.12705
0.116392	0.01183	-0.10328	0.02562	-0.00172	0.97049	0.061004	0.18818	0.066508
0.405961	5.90E-20	0.166027	0.00031	0.120242	0.0093	0.194645	2.28E-05	0.039133
0.003357	0.94232	-0.06371	0.1693	0.011059	0.8116	0.103824	0.02485	0.0216
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0.308499	9.37E-12	0.183499	6.64E-05	0.195644	2.06E-05	0.08078	0.08119	0.155006
0.108442	0.01907	-0.10601	0.02194	-0.00773	0.86764	0.061507	0.18455	-0.14526
0.24129	1.30E-07	0.113883	0.0138	0.168452	0.00026	0.187186	4.69E-05	0.07687
0.130972	0.00458	0.133225	0.00392	0.036359	0.43312	0.027805	0.54892	0.157376
-0.05498	0.23571	-0.05425	0.242	-0.0996	0.0314	0.028738	0.5356	0.051657
0.112507	0.01499	0.05363	0.24741	0.117827	0.01082	-0.05211	0.26104	-0.15313
-0.05948	0.19945	0.02934	0.52707	0.020024	0.66603	0.073343	0.11346	-0.00517
0.093537	0.04335	0.062543	0.17725	-0.03848	0.40675	0.053619	0.2475	0.002834
0.059976	0.19574	0.009002	0.84616	-0.18792	4.38E-05	0.174011	0.00016	0.207376
-0.02648	0.5681	0.101036	0.02903	0.024329	0.59999	0.060815	0.18955	0.113437
0.145201	0.00165	0.089891	0.05222	0.061825	0.18228	0.195544	2.09E-05	0.144267
0.089593	0.05301	0.00215	0.96305	0.046163	0.31952	0.056495	0.22301	-0.02289
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0.034603	0.45567	0.115906	0.01219	0.139607	0.0025	-0.04194	0.36589	0.014522
0.035411	0.44521	0.227325	6.89E-07	0.152626	0.00094	-0.04526	0.32907	0.182806
0.214614	2.87E-06	0.083667	0.07086	0.136795	0.00305	0.156009	0.00072	0.147318
0.091025	0.04931	0.090576	0.05045	0.098888	0.03264	0.010165	0.82659	-0.05083
0.219882	1.60E-06	0.117197	0.01126	0.159204	0.00055	-0.04856	0.29499	0.108822
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0.183345	6.74E-05	0.032984	0.47704	0.102175	0.02725	-0.0905	0.05065	-0.20724
0.036636	0.42961	0.133155	0.00394	0.148404	0.0013	-0.09894	0.03255	0.015258
0.01156	0.80325	-0.20499	7.99E-06	-0.06154	0.18434	-0.25999	1.19E-08	-0.22563
0.105604	0.02247	0.307049	1.18E-11	0.229544	5.32E-07	0.170544	0.00021	0.352134
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0.167008	0.00029	0.028711	0.53598	0.064194	0.16606	-0.07149	0.12289	-0.33091
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0.125835	0.00647	0.002064	0.96453	0.076525	0.09859	-0.20793	5.87E-06	-0.1543
0.073844	0.11101	-0.02283	0.62261	0.034048	0.46293	-0.01459	0.75315	-0.1333
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0.104797	0.02352	0.16991	0.00023	0.046311	0.31797	0.123674	0.00746	0.069176
0.017571	0.70489	-0.20871	5.41E-06	-0.23273	3.66E-07	0.0743	0.10881	-0.08655
0.175895	0.00013	0.322016	9.96E-13	0.231308	4.33E-07	-0.04228	0.36201	-0.04332
0.237347	2.11E-07	0.010695	0.8177	0.022228	0.63185	0.046166	0.31948	-0.05817
0.131703	0.00436	0.194194	2.38E-05	0.008304	0.85796	0.250938	3.87E-08	0.344751
0.27588	1.33E-09	0.310035	7.31E-12	0.131712	0.00436	0.250459	4.12E-08	0.223067
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0.103412	0.02543	0.134913	0.00349	0.177322	0.00012	0.057819	0.21233	-0.04816
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0.093481	0.04347	0.183586	6.59E-05	0.200172	1.31E-05	0.19925	1.44E-05	0.299411
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0.14994	0.00115	0.159948	0.00052	0.175337	0.00014	0.194859	2.23E-05	0.336159
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0.048522	0.29539	0.048158	0.29903	0.060166	0.19433	-0.04779	0.30277	0.08581
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0.033018	0.47658	0.012599	0.78597	0.057832	0.21223	-0.07292	0.11557	-0.02497
-0.09213	0.04661	-0.01778	0.70161	-0.02551	0.58246	-0.05532	0.23277	0.002816
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0.248076	5.58E-08	0.00446	0.92343	0.072026	0.1201	0.043716	0.34587	-0.02587
0.035483	0.44428	0.121738	0.00845	0.180151	9.05E-05	-0.0104	0.82271	-0.0345
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0.285966	3.07E-10	-0.13066	0.00468	-0.00097	0.98337	0.129618	0.00503	0.102612
0.050456	0.27654	0.004068	0.93014	0.025661	0.58016	0.001715	0.97052	-0.02243
0.115527	0.01248	-0.13116	0.00453	0.04708	0.30999	-0.01059	0.81942	-0.04829
0.040128	0.38693	0.019955	0.66712	-0.02469	0.59458	0.036092	0.43649	0.019934
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0.036259	0.43437	0.030683	0.50833	0.054988	0.23561	0.042718	0.35701	-0.08965
-0.03051	0.51073	0.172336	0.00018	0.140226	0.00239	0.013249	0.77521	0.029521
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0.050507	0.27605	0.099924	0.03085	0.10711	0.02061	0.122984	0.0078	0.079977
0.087799	0.05797	0.103003	0.02602	0.100796	0.02941	-0.00323	0.94458	0.024411
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-0.2049	8.06E-06	-0.0804	0.08262	-0.10678	0.02101	-0.11322	0.01436	-0.14077
-0.13051	0.00473	-0.29392	9.28E-11	-0.26721	4.47E-09	-0.22438	9.65E-07	-0.13286
0.137244	0.00296	0.170434	0.00022	0.135454	0.00336	0.119931	0.00948	0.148211
0.005314	0.90882	0.076928	0.09683	0.097373	0.03541	0.045842	0.3229	0.005274
0.068652	0.13851	-0.04127	0.37352	-0.03128	0.50013	0.108029	0.01954	0.20833
0.079974	0.08428	0.105505	0.02259	0.025554	0.58174	0.140772	0.00229	0.071859
-0.16354	0.00039	-0.09701	0.0361	-0.04058	0.38154	-0.12297	0.00781	-0.18944

0.003566	0.93874	-0.04149	0.37098	0.0278	0.54899	-0.16493	0.00034	-0.14957
-0.09474	0.04071	-0.11842	0.01043	0.023082	0.61881	-0.08172	0.07769	-0.03083
0.069989	0.13097	-0.20401	8.84E-06	0.01382	0.76581	-0.21862	1.85E-06	-0.20548
0.13055	0.00472	0.109598	0.01782	0.15211	0.00098	0.113332	0.01427	0.301667
0.130228	0.00482	0.082688	0.07423	0.068568	0.139	0.219945	1.59E-06	-0.05871
-0.09164	0.0478	0.014918	0.7478	0.057858	0.21203	-0.10289	0.02619	-0.1226
0.031494	0.49718	-0.03308	0.47578	0.067139	0.14744	-0.11751	0.01104	-0.13266
-0.06821	0.14107	-0.00628	0.89234	0.071353	0.12361	-0.16881	0.00025	-0.15266
-0.21777	2.03E-06	-0.37613	3.84E-17	-0.31296	4.53E-12	-0.17204	0.00019	-0.21544
0.092594	0.04551	-0.12008	0.00939	0.014036	0.76225	-0.1782	0.00011	-0.16846
-0.11845	0.01041	0.033006	0.47674	0.037721	0.41606	-0.13829	0.00275	-0.11443
-0.02723	0.55724	-0.01811	0.69633	0.005226	0.91032	-0.0445	0.3373	-0.05603
0.035763	0.44069	0.052801	0.25479	0.11243	0.01506	0.039206	0.39794	-0.0109
0.354791	2.68E-15	0.004871	0.91639	0.055443	0.23176	0.200485	1.27E-05	0.068805
-0.02433	0.59994	0.051229	0.26923	0.081656	0.07793	0.02156	0.64213	0.139924
0.165116	0.00034	0.066886	0.14898	0.154354	0.00082	0.071925	0.12062	-0.00937
0.103394	0.02546	0.130706	0.00467	0.089951	0.05207	0.104536	0.02387	0.083955
-0.09168	0.04768	-0.05898	0.20326	-0.12497	0.00685	0.003125	0.94631	-0.02342
0.209465	4.99E-06	0.011949	0.79677	0.061211	0.18668	0.210643	4.40E-06	0.151328
0.038512	0.40635	0.160833	0.00048	0.16805	0.00026	-0.04378	0.34517	-0.0195
0.073301	0.11367	0.160475	0.0005	0.129413	0.0051	0.199328	1.43E-05	0.191388
0.189678	3.70E-05	0.1114	0.01602	0.133946	0.00373	0.106491	0.02135	-0.06444
0.013174	0.77645	-0.04443	0.33803	-0.14915	0.00123	-0.14484	0.0017	-0.0775
0.111973	0.01548	0.123991	0.0073	0.061222	0.1866	0.167903	0.00027	0.351082
-0.14751	0.00139	-0.11481	0.01304	-0.10107	0.02898	-0.14777	0.00136	0.035952
-0.04419	0.34068	-0.00287	0.95069	-0.01315	0.77689	-0.0877	0.05824	-0.07181
0.037889	0.414	0.043836	0.34454	-0.05763	0.21384	0.030779	0.507	-0.1427
-0.03393	0.46455	-0.06036	0.1929	-0.15128	0.00104	0.097743	0.03472	0.097957
-0.00592	0.89849	-0.01516	0.74389	0.005592	0.90407	-0.03681	0.42736	-0.01875
0.098393	0.03352	0.107441	0.02022	0.056071	0.2265	0.053264	0.25065	-0.01428
0.170629	0.00021	0.133103	0.00396	0.056781	0.22067	0.051392	0.26771	0.005057
0.07359	0.11224	-0.21766	2.05E-06	-0.08545	0.06502	-0.0888	0.05515	-0.21471
-0.21937	1.70E-06	-0.16859	0.00025	-0.18218	7.51E-05	-0.13138	0.00446	-0.16094
-0.00844	0.85568	-0.07368	0.11179	-0.07886	0.08871	-0.01716	0.71151	-0.09787
-0.06726	0.14668	0.058733	0.20518	0.057728	0.21305	-0.13933	0.00255	-0.11953
0.014771	0.7502	-0.15476	0.00079	-0.29621	6.53E-11	0.107367	0.0203	0.158941
-0.185	5.77E-05	-0.24122	1.31E-07	-0.31554	2.96E-12	-0.02005	0.66555	-0.00567
-0.04686	0.31224	-0.04349	0.34838	-0.10995	0.01746	0.095648	0.03881	0.149681
0.075978	0.10103	-0.01572	0.73478	-0.02004	0.66584	0.029766	0.52109	-0.22227
0.147584	0.00138	0.002065	0.96451	-0.08289	0.07354	0.162607	0.00042	0.226183
0.09755	0.03508	0.10777	0.01983	0.048241	0.29819	0.083797	0.07042	0.072874
0.08502	0.0664	0.077465	0.09451	0.07506	0.10523	-0.00754	0.87089	0.127758
0.06778	0.1436	0.142977	0.00195	0.004747	0.91851	0.120119	0.00937	0.16327
0.276632	1.19E-09	0.276639	1.19E-09	0.267655	4.20E-09	0.053946	0.24463	0.269597
-0.16906	0.00024	-0.05952	0.1992	-0.03034	0.5131	-0.10321	0.02573	-0.15805

0.17608	0.00013	0.083655	0.0709	0.129614	0.00503	0.019679	0.67145	-0.10207
0.185621	5.44E-05	0.143941	0.00182	0.219732	1.63E-06	-0.01601	0.7301	-0.19027
0.080883	0.0808	0.143137	0.00193	0.132848	0.00403	0.147731	0.00137	0.088463
-0.0138	0.76607	0.075095	0.10507	0.008158	0.86044	0.173837	0.00016	0.070236
0.087431	0.05903	0.097042	0.03605	0.112375	0.01511	-0.07131	0.12382	-0.16105
-0.10275	0.0264	-0.10085	0.02932	-0.02008	0.6652	-0.19852	1.55E-05	-0.05325
-0.11427	0.01348	0.042451	0.36002	0.067066	0.14788	-0.23676	2.26E-07	-0.05161
0.059908	0.19625	-0.01019	0.82622	0.018829	0.68485	-0.21398	3.07E-06	-0.2802
-0.13936	0.00254	-0.12581	0.00648	-0.17396	0.00016	-0.20337	9.45E-06	-0.23556
-0.17536	0.00014	-0.21183	3.88E-06	-0.17789	0.00011	-0.00626	0.89266	0.127213
-0.11621	0.01196	-0.17703	0.00012	-0.11688	0.01148	-0.17722	0.00012	-0.14542
0.096899	0.03632	-0.00246	0.95778	0.132792	0.00404	0.075057	0.10525	-0.03594
0.293983	9.19E-11	0.274299	1.66E-09	0.349476	7.33E-15	0.324999	5.98E-13	0.157419
0.009373	0.8399	0.114376	0.01339	0.075844	0.10164	0.062917	0.17467	0.312406
0.145298	0.00164	0.271936	2.32E-09	0.244753	8.48E-08	-0.13051	0.00473	0.040626
-0.1087	0.01879	-0.01653	0.72164	-0.05587	0.22814	-0.22538	8.62E-07	-0.35061
-0.25495	2.31E-08	-0.17513	0.00014	-0.3164	2.56E-12	-0.09819	0.0339	-0.22464
0.017974	0.69845	0.016735	0.71832	-0.00388	0.93339	0.010652	0.81841	0.060401
0.130974	0.00458	0.214532	2.89E-06	0.177489	0.00012	0.120568	0.00911	0.166946
-0.06296	0.17435	0.030779	0.507	-0.02246	0.6283	0.020653	0.65621	0.246555
0.110107	0.0173	0.101383	0.02847	0.127801	0.00568	0.018305	0.69318	0.098694
-0.02311	0.61846	0.055846	0.22838	-0.06728	0.14657	-0.12023	0.0093	-0.06481
0.146408	0.00151	0.122482	0.00806	0.142737	0.00199	0.099947	0.03081	0.015102
0.025415	0.58381	-0.00632	0.8916	-0.0262	0.57218	0.016042	0.72952	0.030082
0.078562	0.08992	-0.01541	0.73974	0.106632	0.02118	0.022865	0.62211	-0.01226
0.064256	0.16566	-0.0101	0.82772	0.054056	0.24366	0.040224	0.38579	-0.0374
0.027335	0.5557	0.039712	0.39187	0.047892	0.30171	0.013589	0.76961	0.059683
0.038762	0.40331	0.065151	0.15983	0.049586	0.28491	0.072652	0.11691	0.055923
-0.07372	0.1116	0.024608	0.59581	0.136685	0.00308	-0.05902	0.20296	-0.03441
-0.06678	0.14959	-0.11164	0.01579	-0.06413	0.16651	-0.06244	0.17794	-0.06558
0.072044	0.12001	0.054465	0.24011	0.0903	0.05116	0.065622	0.15683	0.033977
0.040084	0.38745	0.019758	0.67021	0.027012	0.56038	0.066697	0.15013	0.014152
-0.03783	0.41467	0.040163	0.38651	-0.01888	0.68412	-0.00701	0.87988	-0.0635
0.075244	0.10438	0.097543	0.03509	0.207035	6.45E-06	-0.04922	0.28849	0.054606
0.066335	0.15236	-0.02447	0.59788	-0.05217	0.2605	0.034284	0.45984	0.122646
0.027524	0.55298	0.082805	0.07382	0.051856	0.26341	0.024165	0.60244	0.115634
0.063961	0.16761	0.03709	0.42391	0.040772	0.37935	0.033553	0.46946	0.0652
0.04143	0.37169	-0.00822	0.85937	-0.00781	0.86629	-0.01631	0.72519	-0.04262
0.154346	0.00082	0.020693	0.65557	0.03245	0.4842	0.122216	0.00819	0.027086
0.013648	0.76863	0.006546	0.88781	0.011138	0.81029	0.059992	0.19562	-0.00122
-0.267	4.60E-09	-0.06102	0.18803	-0.15248	0.00095	-0.11117	0.01624	-0.04155
0.1444	0.00176	0.112012	0.01545	0.084767	0.06722	0.126006	0.0064	0.146627
-0.11841	0.01044	-0.02098	0.6511	-0.13208	0.00425	-0.03955	0.39381	-0.02007
-0.08614	0.06288	0.049715	0.28366	0.013147	0.7769	-0.11408	0.01364	-0.12417
-0.01111	0.81078	-0.03519	0.44812	-0.08307	0.07291	-0.01121	0.80901	0.052356

0.110255	0.01715	-0.05631	0.2245	-0.11426	0.01348	0.158676	0.00058	0.098378
-0.11669	0.01162	-0.05711	0.21797	-0.17404	0.00016	-0.06246	0.17786	-0.08689
0.012524	0.78722	0.130178	0.00484	0.067329	0.1463	0.027339	0.55564	0.023047
-0.11952	0.00973	-0.18091	8.44E-05	-0.31731	2.20E-12	-0.07449	0.10792	-0.26401
0.22317	1.11E-06	0.092075	0.04674	0.091227	0.04881	0.103976	0.02464	0.090025
-0.03033	0.51316	-0.10182	0.02779	-0.0803	0.08303	-0.13037	0.00478	-0.08093
-0.07673	0.09767	-0.10483	0.02348	-0.10886	0.01861	-0.05084	0.27289	-0.03743
0.061834	0.18222	-0.0521	0.26117	-0.03321	0.47402	0.076088	0.10054	-0.00569
0.124364	0.00713	0.171638	0.00019	0.172677	0.00018	0.012376	0.78967	0.034396
-0.04977	0.28311	-0.11131	0.01611	-0.27932	8.12E-10	0.003884	0.93329	-0.07807
-0.04012	0.38706	0.004706	0.91921	0.00728	0.87532	-0.10528	0.02288	-0.03353
0.024458	0.59805	-0.00819	0.85991	-0.16669	0.0003	0.124675	0.00698	0.057674
-0.11601	0.01212	-0.04318	0.35177	-0.00204	0.96501	-0.02899	0.532	0.00878
-0.02573	0.57912	-0.09087	0.04969	-0.15357	0.00087	-0.01509	0.74492	-0.06034
0.081794	0.07743	0.047279	0.30795	0.059138	0.20207	-0.03821	0.41003	-0.0239
-0.01142	0.80558	-0.05758	0.21427	-0.06268	0.1763	-0.0492	0.28871	-0.01019
-0.09198	0.04698	-0.10656	0.02127	-0.09861	0.03314	-0.08726	0.05952	-0.10776
0.201837	1.11E-05	0.166465	0.0003	0.112961	0.01459	0.198075	1.62E-05	0.168343
0.033105	0.47542	0.055013	0.23541	-0.01818	0.69513	0.0457	0.3244	0.110935
0.145306	0.00164	-0.035	0.45048	-0.01977	0.67004	0.024181	0.60221	-0.01194
0.029294	0.52772	0.053434	0.24914	0.018051	0.69722	0.033994	0.46365	0.08713
-0.02015	0.66405	0.018871	0.68419	-0.06279	0.17556	-0.07732	0.09515	-0.05731
0.115739	0.01232	0.067441	0.14562	0.037596	0.41762	0.011946	0.79682	-0.00188
0.124324	0.00715	-0.03827	0.40937	-0.07631	0.09953	0.021897	0.63694	-0.03571
-0.02041	0.66001	-0.00867	0.85174	-0.04558	0.32569	-0.01301	0.77913	0.033538
-0.02645	0.56864	-0.14649	0.0015	-0.29962	3.85E-11	-0.01599	0.73039	-0.0589
0.150405	0.00111	0.10756	0.02008	0.15673	0.00068	0.027167	0.55814	-0.03283
0.201733	1.12E-05	0.11253	0.01497	0.130396	0.00477	0.108982	0.01848	0.067875
0.141429	0.00219	0.080056	0.08396	0.041448	0.37149	0.167199	0.00028	0.186409
0.026724	0.56458	0.023314	0.61529	0.041789	0.36756	-0.021	0.65085	-0.00361
-0.09855	0.03323	-0.1197	0.00962	-0.07382	0.11114	-0.16388	0.00038	-0.08045
-0.00022	0.9962	-0.0192	0.67894	-0.0491	0.28966	0.006763	0.88411	0.064935
0.095354	0.03942	0.111534	0.01589	0.077311	0.09517	0.119309	0.00986	0.166039
0.001941	0.96664	0.140851	0.00228	0.004494	0.92284	0.111862	0.01559	0.11355
-0.35351	3.42E-15	-0.11911	0.00999	-0.19896	1.48E-05	-0.15359	0.00087	-0.05103
0.114663	0.01316	0.230109	4.98E-07	0.293487	9.91E-11	0.126176	0.00633	0.172565
0.050811	0.27316	0.022047	0.63462	0.033971	0.46394	-0.0753	0.1041	0.002611
0.178187	0.00011	0.270426	2.86E-09	0.231901	4.04E-07	0.22609	7.94E-07	0.370425
0.094116	0.04206	0.144837	0.0017	0.067275	0.14662	0.124648	0.007	0.099704
0.080949	0.08055	0.068094	0.14176	-0.01444	0.75568	0.13354	0.00384	0.125127
-0.01105	0.81171	0.03766	0.41682	-0.08638	0.06215	0.020279	0.66204	0.014146
0.089332	0.05371	0.063109	0.17335	0.057853	0.21206	0.032469	0.48395	0.04419
0.156478	0.00069	0.117782	0.01085	0.033352	0.47213	0.159021	0.00056	0.099674
0.14851	0.00129	0.221982	1.27E-06	0.172434	0.00018	0.097804	0.0346	0.115954
-0.0203	0.66173	0.009294	0.84124	0.027997	0.54616	-0.01801	0.69789	-0.00319

0.069172	0.13554	-0.02039	0.66036	-0.05732	0.21635	0.081845	0.07724	0.01758
0.085989	0.06335	0.220792	1.45E-06	0.197464	1.72E-05	0.060768	0.18989	0.087057
0.17516	0.00014	-3.53E-05	0.99939	0.014621	0.75266	0.05962	0.19841	0.064252
0.239637	1.59E-07	0.07739	0.09483	0.27287	2.03E-09	0.133504	0.00385	0.106314
0.003042	0.94773	0.024101	0.60341	-0.01531	0.7414	0.0515	0.2667	0.056081
0.135972	0.00324	0.01924	0.67836	-0.00414	0.92882	0.06102	0.18806	-0.016
0.124257	0.00718	0.131904	0.0043	0.105281	0.02288	0.079069	0.08786	-0.01217
-0.0375	0.41875	-0.06851	0.13932	0.081759	0.07756	-0.02881	0.53457	-0.1231
0.004544	0.92199	0.018699	0.68691	0.005298	0.90908	0.030299	0.51365	0.048861
0.040472	0.38287	0.0348	0.45311	0.000997	0.98287	0.075964	0.1011	0.054367
0.211662	3.95E-06	0.074599	0.1074	0.043797	0.34498	0.168595	0.00025	0.116712
0.030664	0.50859	-0.01974	0.67041	-0.11139	0.01604	0.085914	0.06359	0.03703
0.043738	0.34563	0.038508	0.4064	-0.01034	0.82373	0.059504	0.19929	0.072468
-0.05313	0.2518	0.031998	0.49032	-0.20824	5.68E-06	-0.09191	0.04713	0.092058
-0.02946	0.52537	0.018555	0.6892	-0.0838	0.07041	0.060148	0.19446	0.045794
0.247656	5.89E-08	0.139557	0.00251	0.054059	0.24363	0.108386	0.01914	0.086184
0.139646	0.00249	0.285965	3.07E-10	0.143345	0.0019	0.15311	0.0009	0.230385
0.096473	0.03715	0.078417	0.09052	0.102527	0.02672	0.015061	0.74547	0.075176
0.042984	0.35402	0.040676	0.38047	-0.03315	0.47477	0.10417	0.02437	0.126046
0.077374	0.0949	0.034693	0.45449	-0.01322	0.77563	0.026611	0.56621	0.063186
0.371063	1.08E-16	0.268287	3.85E-09	0.283665	4.31E-10	0.166231	0.00031	0.144174
0.146062	0.00155	0.049607	0.28471	0.027817	0.54875	0.079257	0.08711	-0.02075
0.102668	0.02651	0.031619	0.49548	-0.09597	0.03816	0.083328	0.07201	-0.01082
-0.00391	0.93277	0.024577	0.59628	-0.04516	0.33014	-0.1293	0.00514	-0.11073
0.033629	0.46845	-0.03432	0.45934	-0.09587	0.03837	-0.0555	0.23125	-0.06587
0.044731	0.33478	-0.00457	0.92161	-0.04145	0.37141	0.008912	0.84768	0.072688
0.159634	0.00053	0.123771	0.00741	0.056767	0.22078	0.142241	0.00206	0.143855
0.036377	0.43289	0.049904	0.28183	-0.06093	0.18873	-0.02789	0.54767	0.056433
0.098119	0.03402	-0.00819	0.85985	-0.00691	0.88155	0.056863	0.22	-0.04023
0.07772	0.09343	-0.02496	0.5906	-0.10925	0.01819	0.129138	0.00519	0.063604
-0.36228	6.25E-16	-0.11843	0.01042	-0.25428	2.51E-08	-0.05306	0.25249	-0.01897
-0.15892	0.00057	0.087545	0.0587	-0.00751	0.87139	-0.03526	0.44715	-0.08262
0.088446	0.05614	0.032036	0.4898	-0.01314	0.77703	0.053921	0.24484	0.051009
0.009566	0.83665	-0.03415	0.46165	-0.06818	0.14124	-0.02556	0.58165	-0.0151
-0.19031	3.48E-05	-0.18955	3.75E-05	-0.29516	7.68E-11	-0.06034	0.19306	0.005474
0.086567	0.06159	0.12274	0.00792	0.125084	0.0068	-0.03455	0.45631	0.048039
-0.25453	2.44E-08	-0.0602	0.19408	-0.15484	0.00079	-0.0848	0.0671	-0.05734
0.18258	7.24E-05	0.061207	0.18671	0.0654	0.15824	0.06714	0.14744	0.098013
-0.03561	0.44267	-0.00423	0.92742	-0.02399	0.60509	-0.02551	0.58232	0.006769
0.015215	0.74296	0.064927	0.16128	0.02437	0.59937	0.031287	0.50002	0.01482
0.090763	0.04997	0.059953	0.19591	0.095637	0.03883	0.067364	0.14609	0.076052
0.322454	9.25E-13	0.133804	0.00377	0.186485	5.02E-05	0.140565	0.00233	0.16614
0.021201	0.64768	0.019144	0.67988	0.012259	0.79161	-0.02417	0.60233	-0.0055
-0.12668	0.00612	-0.25717	1.72E-08	-0.25601	2.01E-08	-0.04971	0.28374	-0.24666
-0.10474	0.02359	0.073561	0.11239	-0.00426	0.92682	-0.00933	0.84067	0.064798

0.002245	0.96141	0.016282	0.72564	0.021408	0.64448	0.007107	0.87826	0.008266
0.069226	0.13524	0.043908	0.34375	0.024131	0.60296	0.002195	0.96226	-0.06014
0.020984	0.65105	0.040749	0.37961	0.155964	0.00072	-0.00491	0.91573	-0.00046
-0.09285	0.04491	-0.03623	0.43473	-0.03622	0.43482	-0.07435	0.10858	-0.07072
0.117739	0.01088	0.018319	0.69295	-0.11627	0.01192	0.006369	0.89082	-0.05534
0.189607	3.72E-05	0.150855	0.00108	0.074344	0.1086	0.110603	0.0168	0.172874
0.14837	0.0013	0.117012	0.01139	-0.04957	0.28503	0.064991	0.16086	0.015872
-0.09016	0.05153	0.026364	0.56983	-0.15836	0.00059	0.061158	0.18706	0.133616
0.039615	0.39303	-0.01589	0.73196	0.002862	0.95082	0.021167	0.64821	-0.10276
0.28325	4.58E-10	0.275785	1.35E-09	0.262165	8.86E-09	0.218025	1.97E-06	0.163734
-0.09473	0.04074	-0.02425	0.60115	-0.04065	0.38074	-0.07002	0.13081	-0.0472
0.097334	0.03549	0.170142	0.00022	0.097762	0.03468	-0.00541	0.90726	0.11313
-0.04128	0.37349	-0.03829	0.40901	-0.05652	0.22283	0.03462	0.45544	0.143404
-0.18568	5.41E-05	-0.03572	0.44124	-0.07076	0.12675	-0.04817	0.29889	0.037024
0.084903	0.06678	0.095898	0.0383	-0.00046	0.99212	0.139841	0.00246	0.078061
-0.01595	0.73108	-0.0835	0.07141	-0.01778	0.70152	-0.04138	0.37229	-0.12717
-0.01021	0.82578	-0.15562	0.00074	-0.18981	3.65E-05	-0.06118	0.18688	-0.23404
-0.13711	0.00299	-0.13092	0.0046	-0.10926	0.01819	-0.09855	0.03323	-0.10493
-0.02352	0.61222	-0.02767	0.55082	-0.01954	0.67365	-0.06164	0.1836	0.02748
-0.06151	0.18456	-0.132	0.00427	-0.09674	0.03663	-0.10175	0.0279	-0.13102
0.206669	6.70E-06	0.174853	0.00015	0.086483	0.06185	0.126878	0.00604	0.090267
0.180352	8.89E-05	0.182111	7.56E-05	0.207583	6.09E-06	0.189025	3.94E-05	0.192281
0.000783	0.98653	-0.15524	0.00076	-0.10883	0.01865	0.012798	0.78266	0.112705
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0.094434	0.04137	0.123116	0.00773	-0.08675	0.06104	0.249963	4.39E-08	0.194486
0.039474	0.39472	0.033234	0.47371	0.005735	0.90163	0.017871	0.7001	-0.00059
0.19798	1.64E-05	-0.03279	0.47959	0.164376	0.00036	0.053759	0.24626	0.011425
0.139837	0.00246	0.084459	0.06822	0.081675	0.07786	0.188538	4.13E-05	0.010459
-0.01489	0.74828	-0.10812	0.01944	-0.04877	0.29296	-0.11033	0.01708	-0.21077
0.059643	0.19823	0.121555	0.00855	0.265198	5.88E-09	-0.06978	0.13213	-0.08795
0.11426	0.01349	0.04825	0.29811	0.101317	0.02858	0.132976	0.00399	-0.09447
-0.07832	0.0909	-0.1451	0.00167	-0.11151	0.01592	-0.19959	1.39E-05	-0.28772
0.117862	0.0108	-0.18495	5.80E-05	-0.01884	0.68461	-0.09618	0.03774	-0.30235
-0.00832	0.85761	-0.02289	0.62176	0.00379	0.9349	0.040094	0.38733	-0.01137
0.026975	0.56092	-0.03389	0.46498	-0.00063	0.98915	0.003622	0.93778	0.073011
0.019214	0.67876	0.033376	0.47182	0.028866	0.53378	0.129947	0.00491	0.072948
0.052638	0.25626	-0.00507	0.91295	0.0083	0.85803	-0.03178	0.4933	-0.06319
-0.01062	0.81898	-0.05979	0.1971	-0.05483	0.23698	-0.09283	0.04496	-0.22289
0.097468	0.03523	0.126418	0.00623	0.265835	5.39E-09	0.130074	0.00487	0.247917
0.000196	0.99663	-0.13228	0.00419	0.007979	0.86347	-0.16853	0.00025	-0.14196
0.086446	0.06196	-0.12972	0.00499	-0.11829	0.01051	-0.01193	0.79715	0.007329
0.153293	0.00089	0.102617	0.02659	-0.14149	0.00218	0.0707	0.1271	0.182264
-0.06276	0.17575	0.161769	0.00045	0.077666	0.09366	-0.03567	0.44195	0.201977
0.085921	0.06356	0.049648	0.28431	0.094981	0.0402	-0.04769	0.30378	0.017712
0.011686	0.80113	-0.10058	0.02976	-0.07707	0.09623	-0.00916	0.84355	-0.07565



0.08502	0.0664	0.055287	0.23307	0.08949	0.05329	-0.0417	0.36855	-0.04311
0.175192	0.00014	0.011283	0.80786	-0.00406	0.9303	-0.00197	0.96606	-0.23294
0.071318	0.1238	0.077822	0.093	0.0085	0.85464	0.040947	0.37731	0.066974
0.042038	0.36471	-0.07524	0.1044	-0.01701	0.71394	-0.22087	1.44E-06	-0.32588
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-0.19484	2.24E-05	-0.21316	3.36E-06	-0.20143	1.15E-05	-0.20957	4.94E-06	-0.08327
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-0.27882	8.72E-10	-0.33502	1.03E-13	-0.34887	8.21E-15	-0.27696	1.14E-09	-0.17408
-0.07038	0.12882	-0.19235	2.86E-05	-0.07095	0.12578	-0.15643	0.00069	-0.21286
-0.04213	0.36366	-0.1359	0.00326	-0.10861	0.01889	-0.22293	1.14E-06	-0.27649
-0.30677	1.24E-11	-0.27419	1.69E-09	-0.22557	8.43E-07	-0.21206	3.78E-06	-0.0143
-0.22399	1.01E-06	-0.172	0.00019	-0.12101	0.00886	-0.12325	0.00766	0.099674
-0.21502	2.74E-06	-0.17901	0.0001	-0.18157	7.94E-05	-0.11251	0.01499	0.064467
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0.165723	0.00032	-0.13248	0.00413	-0.28843	2.13E-10	0.086047	0.06318	-0.08677
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0.043864	0.34424	0.064984	0.16091	0.02984	0.52005	0.008106	0.86131	0.053424
0.032412	0.48471	-0.00638	0.89059	-0.014	0.76282	0.020185	0.66351	-0.05256
0.120575	0.0091	0.052371	0.25869	0.141822	0.00213	-0.19637	1.92E-05	-0.22787
0.036148	0.43578	0.018853	0.68447	-0.05143	0.26737	-0.12794	0.00563	-0.14624
0.226098	7.93E-07	0.298989	4.24E-11	0.079357	0.08671	0.184267	6.18E-05	0.264414
0.022183	0.63255	0.038236	0.40972	0.016931	0.71517	0.070219	0.12971	-0.10645
0.278566	9.05E-10	0.11097	0.01644	0.282021	5.48E-10	-0.07388	0.11083	-0.16407
0.114198	0.01354	-0.12206	0.00828	-0.18198	7.65E-05	0.240791	1.38E-07	0.208958
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0.175921	0.00013	0.223353	1.09E-06	0.155773	0.00073	0.286257	2.94E-10	0.231175
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0.001876	0.96775	-0.01241	0.78907	0.015338	0.74096	-0.03819	0.41035	-0.15616
0.010302	0.82429	-0.15713	0.00065	0.074237	0.10911	-0.06164	0.18363	0.022892
0.081517	0.07844	0.106154	0.02177	0.069404	0.13423	0.0928	0.04503	0.06707
0.102922	0.02614	-0.16664	0.0003	-0.10724	0.02045	0.01319	0.77619	0.22812
0.039937	0.3892	-0.06825	0.14084	-0.03086	0.50587	-0.09542	0.03928	-0.23617
-0.03996	0.38898	-0.22098	1.42E-06	-0.08312	0.07271	-0.00237	0.95927	-0.08917
0.253038	2.96E-08	0.271074	2.62E-09	0.169989	0.00022	0.362651	5.82E-16	0.349961
0.182144	7.53E-05	0.154897	0.00078	0.218786	1.81E-06	-0.02419	0.60202	0.109259
0.082259	0.07575	0.104615	0.02377	0.059197	0.20162	0.038565	0.40571	-0.03501
0.128372	0.00547	0.077469	0.0945	0.063936	0.16778	0.070216	0.12973	-0.00951
0.014566	0.75356	0.099308	0.0319	-0.01115	0.81004	0.000831	0.98571	-0.05288
-0.08612	0.06294	-0.08177	0.07751	-0.08499	0.06651	-0.06857	0.13899	-0.09326
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0.04025	0.38549	0.011714	0.80068	0.040614	0.3812	-0.07659	0.09831	-0.04724
0.047207	0.30868	0.045962	0.32163	0.010814	0.81571	0.074594	0.10742	0.033376
0.040948	0.3773	0.166133	0.00031	0.155824	0.00073	-0.00519	0.91089	0.126225
0.061616	0.18377	0.255544	2.13E-08	0.181315	8.13E-05	0.251487	3.61E-08	0.254808
0.07826	0.09117	0.032792	0.4796	0.069399	0.13426	-0.1037	0.02503	-0.21772
-0.05235	0.25887	0.042613	0.35819	0.088535	0.05589	-0.08723	0.05963	-0.22672
0.116417	0.01182	0.147851	0.00135	0.229715	5.22E-07	-0.15082	0.00108	-0.23958
0.238461	1.84E-07	0.233303	3.42E-07	0.245531	7.69E-08	0.115196	0.01274	0.101069
-0.28134	6.06E-10	-0.23962	1.60E-07	-0.20012	1.32E-05	-0.32537	5.62E-13	-0.38934
0.301089	3.05E-11	0.268217	3.89E-09	0.161683	0.00045	0.134263	0.00365	0.29799
0.021325	0.64577	-0.02159	0.64172	0.021519	0.64277	-0.05551	0.23123	-0.18851
0.040891	0.37796	0.066186	0.15328	0.082847	0.07368	0.082094	0.07634	-0.01551
-0.00965	0.83518	0.023974	0.60532	0.067197	0.14709	-0.06995	0.1312	-0.01739
0.074916	0.1059	0.113723	0.01393	0.095512	0.03909	0.136388	0.00314	0.06071
0.152789	0.00092	0.181117	8.28E-05	0.295988	6.75E-11	0.120398	0.00921	-0.06745
-0.15362	0.00087	-0.27596	1.31E-09	-0.21549	2.61E-06	-0.27975	7.62E-10	-0.41889
-0.07495	0.10572	-0.117	0.01139	-0.08175	0.0776	-0.19067	3.36E-05	0.020637
-0.09162	0.04783	-0.15123	0.00104	-0.07286	0.11585	0.06844	0.13974	0.163039
0.086661	0.06131	-0.22812	6.28E-07	-0.20668	6.70E-06	-0.09091	0.04961	-0.16171
0.109302	0.01814	0.112189	0.01528	0.184201	6.22E-05	0.08774	0.05814	-0.08923
0.065677	0.15648	0.062575	0.17703	0.110044	0.01736	-0.0976	0.03499	-0.08096
0.098938	0.03255	-0.00359	0.93837	0.053898	0.24504	-0.06727	0.14664	-0.1388
0.188998	3.95E-05	0.256688	1.84E-08	0.26835	3.82E-09	-0.00036	0.99376	0.08613
0.100309	0.03021	0.051237	0.26916	-0.16858	0.00025	0.240108	1.51E-07	0.409178
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0.08521	0.0658	0.004686	0.91956	0.081847	0.07724	-0.06384	0.16839	-0.08329
-0.0051	0.91242	0.147738	0.00137	0.137235	0.00296	-0.05729	0.21652	0.001355
-0.1294	0.0051	0.096269	0.03756	-0.0026	0.95524	0.006514	0.88834	0.083028
0.012467	0.78816	0.001177	0.97977	0.008469	0.85517	-0.12889	0.00528	-0.21207
0.197966	1.64E-05	0.155872	0.00072	0.107056	0.02067	0.259381	1.29E-08	0.167137
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0.273434	1.88E-09	0.077633	0.0938	0.106551	0.02128	0.173259	0.00017	-0.06602
0.18675	4.89E-05	0.049153	0.28914	0.188617	4.10E-05	-0.0187	0.68687	-0.0421
0.074982	0.1056	0.005897	0.89887	0.043076	0.35299	-0.00917	0.84338	-0.10034
0.176231	0.00013	0.271198	2.57E-09	0.272998	2.00E-09	0.1159	0.0122	0.024795
0.023609	0.61082	0.07067	0.12725	0.039775	0.39112	-0.07648	0.09881	-0.30344
0.113413	0.0142	0.230221	4.92E-07	0.210494	4.47E-06	-0.0285	0.53901	-0.06144
0.036573	0.4304	-0.05944	0.19974	0.068077	0.14186	0.004521	0.92237	-0.09658
-0.0202	0.66333	0.00942	0.83912	0.048604	0.29457	-0.04052	0.38235	0.007662
-0.00308	0.94712	-0.01246	0.78832	0.012486	0.78784	0.033337	0.47233	0.032017
0.311121	6.12E-12	0.19859	1.54E-05	0.184347	6.14E-05	0.246894	6.48E-08	0.175717
0.140174	0.0024	0.028122	0.54437	0.105963	0.02201	0.227028	7.13E-07	0.177498
0.063745	0.16905	0.07739	0.09483	0.111827	0.01562	0.046338	0.31769	-0.00815
0.096656	0.03679	0.071493	0.12288	0.119577	0.0097	0.12345	0.00757	-0.17538

0.113724	0.01393	0.087543	0.05871	0.08651	0.06176	0.071818	0.12118	0.02482
0.16275	0.00041	0.081826	0.07731	-0.01393	0.76399	0.121192	0.00875	0.04242
0.067387	0.14595	0.108	0.01957	0.061853	0.18209	0.093343	0.04378	0.00593
0.06157	0.1841	0.035067	0.44965	-0.05586	0.22826	0.055728	0.22936	0.087902
-0.23676	2.26E-07	-0.1798	9.35E-05	-0.11867	0.01027	-0.0689	0.13707	0.169759
-0.0936	0.04321	0.021422	0.64426	0.038832	0.40246	0.000499	0.99142	0.049397
-0.17461	0.00015	-0.02919	0.52926	-0.03653	0.43097	0.009939	0.83037	0.185371
-0.02871	0.53606	0.044366	0.33874	0.02157	0.64197	0.106069	0.02188	0.275468
-0.09751	0.03516	-0.02897	0.53227	0.05161	0.26568	-0.04365	0.34656	-0.02176
0.005355	0.90812	-0.00065	0.98886	-0.07074	0.12686	0.059472	0.19953	0.368821
0.047543	0.30525	0.128944	0.00526	0.134244	0.00366	0.031792	0.49311	0.108987
0.042177	0.36313	0.021446	0.64389	0.072584	0.11725	0.012161	0.79323	0.137981
0.010505	0.82088	-0.00592	0.89847	0.028999	0.53189	-0.04878	0.2928	0.048742
0.066499	0.15135	0.027774	0.54936	0.107532	0.02011	-0.00934	0.84052	0.048595
0.220319	1.53E-06	0.216419	2.35E-06	0.236749	2.26E-07	0.140825	0.00229	0.248357
-0.23012	4.98E-07	-0.21515	2.71E-06	-0.14964	0.00118	-0.20927	5.09E-06	-0.13912
0.182003	7.63E-05	0.303954	1.94E-11	0.127191	0.00592	0.069881	0.13157	0.104417
-0.28948	1.82E-10	-0.1444	0.00176	-0.3056	1.49E-11	-0.19597	2.00E-05	-0.10856
0.133423	0.00387	-0.03444	0.4578	0.024755	0.59362	0.196704	1.86E-05	0.145793
0.242141	1.17E-07	0.178954	0.0001	0.110698	0.0167	0.090474	0.05071	0.166138
0.07867	0.08948	0.062146	0.18002	0.144558	0.00174	0.065887	0.15515	-0.0656
-0.12255	0.00802	-0.16013	0.00051	-0.10301	0.02601	-0.14557	0.00161	-0.10496
0.111826	0.01562	-0.12477	0.00694	-0.14793	0.00135	-0.06341	0.1713	-0.06489
0.054898	0.23639	0.016477	0.72249	0.084001	0.06974	0.014823	0.74936	-0.08798
0.03502	0.45025	0.060886	0.18903	0.051608	0.26571	-0.11776	0.01087	-0.16303
-0.01659	0.7207	0.04167	0.36893	-0.03789	0.41395	-0.0551	0.23468	-0.12369
-0.29527	7.55E-11	-0.23873	1.78E-07	-0.22678	7.34E-07	-0.23572	2.56E-07	0.021889
0.090521	0.05059	0.026443	0.56867	0.005708	0.9021	0.078453	0.09037	-0.0172
0.049429	0.28644	0.10491	0.02337	0.138104	0.00278	-0.01087	0.81473	0.027029
-0.02698	0.56083	0.029737	0.52149	0.050943	0.27192	0.016716	0.71863	0.14029
0.074258	0.10901	0.030719	0.50783	0.058381	0.20792	-0.0067	0.88516	-0.00839
0.075137	0.10488	0.070299	0.12927	0.100162	0.03045	0.081928	0.07694	0.026965
-0.05807	0.21036	-0.08972	0.05267	-0.10213	0.02732	-0.0261	0.57372	-0.13345
0.196611	1.88E-05	0.162993	0.00041	0.108582	0.01892	0.225328	8.67E-07	0.236559
0.17328	0.00017	0.365331	3.42E-16	0.252238	3.28E-08	0.235027	2.78E-07	0.332461
0.062047	0.18072	0.080445	0.08246	0.096018	0.03806	-0.1348	0.00352	-0.19234
0.107675	0.01994	0.330272	2.40E-13	0.273684	1.81E-09	0.124139	0.00723	0.258708
-0.06891	0.13701	-0.05108	0.27064	-0.00624	0.89297	-0.10107	0.02896	0.061102
0.247256	6.19E-08	0.038761	0.40332	0.17234	0.00018	0.219755	1.63E-06	0.112148
-0.14515	0.00166	-0.22612	7.91E-07	-0.12323	0.00768	-0.14321	0.00192	-0.04303
0.095365	0.0394	0.21772	2.04E-06	0.193702	2.50E-05	-0.0829	0.07349	-0.05169
-0.17961	9.51E-05	-0.12864	0.00537	-0.03916	0.3985	-0.03194	0.49108	-0.082
-0.12896	0.00525	-0.05324	0.25088	-0.18149	8.00E-05	-0.09968	0.03127	-0.07301
-0.0048	0.91767	-0.08199	0.07673	0.088349	0.05641	-0.18386	6.42E-05	-0.21035
0.042913	0.35481	-0.03166	0.49487	0.01636	0.72437	-0.03762	0.41734	-0.14523

0.067417	0.14577	0.115765	0.0123	0.021358	0.64525	0.063068	0.17364	-8.42E-05
0.191315	3.16E-05	0.128909	0.00527	0.130832	0.00463	-0.01519	0.7434	-0.00819
-0.19933	1.43E-05	-0.26036	1.13E-08	-0.09989	0.03091	-0.22468	9.34E-07	-0.14063
-0.02179	0.63864	0.11385	0.01383	0.201876	1.10E-05	0.036744	0.42826	0.090735
0.018436	0.69109	0.050252	0.27848	0.117746	0.01088	0.060849	0.1893	-0.01706
-0.20326	9.56E-06	-0.10182	0.02779	-0.10904	0.01842	-0.06603	0.15425	-0.20593
0.081713	0.07772	0.165434	0.00033	0.137819	0.00284	0.059757	0.19738	0.032726
0.154317	0.00082	0.170662	0.00021	0.134395	0.00362	0.040397	0.38375	0.043621
-0.05388	0.24524	-0.08242	0.07518	-0.11524	0.0127	0.042037	0.36473	-0.14359
-0.06288	0.17494	-0.0502	0.27896	-0.0563	0.22464	0.031535	0.49661	0.206946
0.064975	0.16096	0.11379	0.01388	0.101727	0.02794	0.081544	0.07834	0.061934
0.097775	0.03466	0.075978	0.10103	0.060467	0.1921	0.013892	0.76462	-0.02315
0.054864	0.23668	-0.05625	0.22503	-0.04411	0.34157	0.026102	0.57368	-0.20667
0.124317	0.00715	0.096628	0.03685	0.192922	2.70E-05	0.046691	0.31401	-0.03059
0.110585	0.01682	0.11904	0.01003	0.127271	0.00588	0.073662	0.11189	-0.01633
-0.1576	0.00063	-0.18296	6.99E-05	-0.30239	2.49E-11	0.091258	0.04873	0.00412
-0.30441	1.81E-11	-0.11609	0.01206	-0.15289	0.00092	-0.13101	0.00457	-0.12506
0.289092	1.93E-10	0.221056	1.41E-06	0.341112	3.45E-14	0.149523	0.00119	0.175998
0.115513	0.01249	0.074934	0.10582	0.0769	0.09695	0.161776	0.00045	0.155076
0.149189	0.00122	0.027912	0.54739	0.067764	0.1437	0.047349	0.30723	0.087024
0.098575	0.0332	0.14013	0.0024	0.080015	0.08412	0.077742	0.09334	0.040969
0.021166	0.64822	-0.00501	0.91406	0.044424	0.33811	-0.00182	0.96875	-0.04241
0.083465	0.07155	-0.02351	0.61229	0.075003	0.1055	0.061144	0.18716	-0.10365
-0.07462	0.10732	-0.03024	0.51453	-0.15969	0.00053	0.011778	0.79961	-0.0099
-0.01745	0.70685	-0.04489	0.33309	-0.16087	0.00048	0.024415	0.5987	0.039236
-0.04937	0.287	-0.00527	0.90953	-0.18824	4.24E-05	-0.02188	0.63727	-0.06523
0.204944	8.03E-06	0.062179	0.17979	0.103227	0.0257	0.103853	0.02481	0.035935
0.049824	0.2826	-0.09912	0.03222	-0.0222	0.63235	-0.01603	0.7297	-0.16215
0.034855	0.45239	-0.04587	0.32258	0.039918	0.38942	-0.12266	0.00796	-0.18127
-0.25093	3.88E-08	-0.08022	0.08333	-0.1611	0.00047	-0.19184	3.00E-05	0.065817
0.096101	0.03789	0.131136	0.00453	0.115268	0.01268	0.071293	0.12393	-0.1065
-0.08253	0.07481	0.034472	0.45738	0.01281	0.78247	0.021451	0.64381	-0.0596
-0.00897	0.84676	-0.12509	0.0068	-0.06034	0.19303	-0.01985	0.66872	-0.08898
-0.01503	0.74605	0.013078	0.77804	0.057221	0.21711	-0.0214	0.64465	-0.00916
0.060242	0.19376	-0.03048	0.51115	0.000217	0.99626	-0.02431	0.6002	-0.06588
0.129382	0.00511	0.141535	0.00217	0.128723	0.00534	0.105612	0.02246	0.114559
0.03177	0.49341	0.025662	0.58015	0.03695	0.42567	-0.14169	0.00215	-0.04907
-0.19311	2.65E-05	-0.2837	4.29E-10	-0.20539	7.66E-06	-0.27524	1.46E-09	-0.45933
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0.001581	0.97282	0.050406	0.27701	0.081246	0.07944	-0.09394	0.04246	-0.03701
-0.03346	0.47073	0.014834	0.74918	0.048568	0.29493	-0.07993	0.08445	-0.14849
0.08441	0.06838	0.100814	0.02938	0.116769	0.01156	0.069967	0.1311	0.012788
0.0512	0.2695	0.059344	0.2005	0.148375	0.0013	-0.05032	0.27788	-0.09999
-0.15434	0.00082	-0.04652	0.31578	-0.02088	0.65268	-0.06995	0.1312	0.002928

0.25407	2.59E-08	0.250227	4.24E-08	0.179362	9.73E-05	0.229573	5.30E-07	0.316418
0.286101	3.01E-10	0.037588	0.41771	0.136833	0.00305	0.140315	0.00237	0.062853
-0.04165	0.36917	-0.07918	0.08742	0.071604	0.12229	-0.32752	3.87E-13	-0.17982
0.078098	0.09184	0.226926	7.21E-07	0.208186	5.71E-06	0.027757	0.54962	0.148884
0.091642	0.04779	0.085129	0.06605	0.085504	0.06486	-0.00076	0.98689	0.113076
0.214139	3.02E-06	0.311853	5.43E-12	0.188534	4.13E-05	0.043172	0.35191	0.174651
-0.06924	0.13515	0.068911	0.13703	0.035317	0.44641	-0.07039	0.12879	-0.05717
0.022763	0.62367	0.059345	0.2005	0.085279	0.06557	-0.03125	0.50055	0.035343
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0.03509	0.44935	-0.03576	0.44073	0.033903	0.46484	-0.01027	0.82481	-0.091
0.13225	0.0042	0.162725	0.00041	0.22065	1.47E-06	0.196837	1.83E-05	0.066106
0.088362	0.05637	0.009907	0.83091	0.047691	0.30375	0.019422	0.67549	-0.07394
-0.10098	0.02911	0.003791	0.93489	0.05872	0.20528	-0.09809	0.03408	-0.10232
0.16907	0.00024	0.291153	1.41E-10	0.229234	5.52E-07	0.215069	2.73E-06	0.456463
0.253231	2.88E-08	0.185443	5.54E-05	0.226292	7.76E-07	0.090319	0.05111	0.021569
0.080685	0.08155	0.077744	0.09333	0.111884	0.01557	0.149436	0.0012	0.178405
-0.16222	0.00043	-0.35361	3.35E-15	-0.19861	1.53E-05	-0.22315	1.11E-06	-0.24459
-0.06172	0.18303	-0.06012	0.19467	-0.01684	0.71669	-0.14477	0.00171	-0.12414
0.199739	1.37E-05	0.121569	0.00854	0.314527	3.50E-12	0.097934	0.03436	-0.04111
-0.23465	2.91E-07	-0.04057	0.38169	0.025918	0.57637	-0.11793	0.01076	-0.08082
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0.090055	0.05179	0.046219	0.31893	0.069672	0.13273	0.061464	0.18486	-0.10265
-0.21319	3.35E-06	-0.30846	9.43E-12	-0.22941	5.41E-07	-0.13351	0.00385	0.050162
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-0.00865	0.85218	0.043266	0.35086	0.061049	0.18785	-0.0852	0.06583	0.000344
-0.23317	3.47E-07	0.003815	0.93447	-0.05113	0.27019	-0.14399	0.00181	-0.09333
-0.01101	0.81238	0.118595	0.01032	0.122478	0.00806	0.031228	0.50082	-0.0782
-0.12823	0.00552	-0.03327	0.47316	-0.04028	0.38513	-0.05698	0.21902	-0.12885
0.125312	0.0067	0.070603	0.12762	0.018945	0.68302	0.082234	0.07584	0.278268
0.22064	1.47E-06	0.258707	1.41E-08	0.116342	0.01187	0.187706	4.47E-05	0.099891
0.238487	1.83E-07	0.101183	0.02879	0.131673	0.00437	-0.06328	0.17218	-0.04637
0.180118	9.08E-05	0.096838	0.03644	-0.01145	0.80514	0.166622	0.0003	0.036861
-0.20218	1.07E-05	-0.12727	0.00588	-0.11661	0.01167	-0.17477	0.00015	-0.14208
-0.27734	1.08E-09	0.0278	0.549	-0.08332	0.07205	-0.14628	0.00153	-0.07859
-0.11625	0.01194	0.14031	0.00237	0.096853	0.03641	0.342579	2.64E-14	0.138535
-0.0035	0.93984	-0.0594	0.2001	-0.20637	6.92E-06	0.040801	0.37901	0.084616
-0.25489	2.33E-08	-0.2157	2.55E-06	-0.17444	0.00015	-0.20899	5.25E-06	-0.34007
-0.13468	0.00355	-0.15972	0.00053	-0.15316	0.0009	-0.07584	0.10168	0.067602
-0.14862	0.00128	-0.18871	4.06E-05	-0.15477	0.00079	-0.05992	0.19619	-0.14186
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0.043878	0.34409	-0.01175	0.80001	0.185179	5.68E-05	-0.06379	0.16878	-0.01418
0.288612	2.07E-10	0.137148	0.00298	0.13206	0.00425	0.021575	0.64189	-0.03503
0.020864	0.65291	0.101088	0.02894	0.082902	0.07348	0.077832	0.09296	0.076422
-0.0319	0.49162	0.159621	0.00054	0.137483	0.00291	0.04757	0.30497	0.189167

0.192455	2.83E-05	0.262182	8.84E-09	0.195093	2.18E-05	0.138754	0.00266	0.119286
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-0.13057	0.00471	-0.26926	3.37E-09	-0.26826	3.87E-09	-0.16553	0.00033	-0.36943
0.016856	0.71638	0.09419	0.0419	0.096269	0.03756	-0.00351	0.93969	0.148887
0.109982	0.01743	-0.07547	0.10335	0.042866	0.35534	-0.12067	0.00905	-0.24958
-0.07141	0.12332	-0.20693	6.52E-06	-0.09373	0.0429	-0.03259	0.4823	-0.20597
0.209814	4.81E-06	0.320108	1.38E-12	0.371633	9.65E-17	0.031273	0.50021	0.130406
-0.11299	0.01457	0.008085	0.86167	-0.01031	0.82418	-0.12485	0.0069	-0.18012
0.010599	0.81931	0.082944	0.07334	0.124986	0.00684	0.122235	0.00818	0.004669
0.221972	1.27E-06	0.201492	1.15E-05	0.216896	2.23E-06	0.099147	0.03218	0.1948
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0.056055	0.22664	0.00386	0.93371	0.075755	0.10204	-0.03459	0.45581	-0.17681
0.049132	0.28935	0.181106	8.29E-05	0.176154	0.00013	0.016996	0.71412	0.015983
-0.07859	0.08979	-0.10366	0.02508	-0.02309	0.61862	-0.16452	0.00036	-0.18853
0.156324	0.0007	-0.1703	0.00022	0.02037	0.66061	0.003288	0.9435	0.121712
0.160298	0.00051	0.148228	0.00132	-0.03038	0.51249	0.324166	6.90E-13	0.392695
0.059404	0.20005	0.104282	0.02422	0.056329	0.22437	0.180012	9.17E-05	0.242657
0.082768	0.07395	-0.13893	0.00262	0.026488	0.56802	-0.22187	1.28E-06	-0.28148
0.322759	8.78E-13	0.238821	1.76E-07	0.18405	6.31E-05	0.087101	0.06	0.283526
0.04573	0.32409	-0.20199	1.09E-05	0.057491	0.21494	-0.04487	0.33331	-0.03903
-0.26029	1.14E-08	-0.10202	0.02749	-0.05279	0.25491	-0.00455	0.92185	-0.17554
0.043351	0.34992	0.071602	0.1223	0.184271	6.18E-05	-0.10319	0.02576	-0.12909
-0.13456	0.00358	-0.28778	2.35E-10	-0.28177	5.69E-10	-0.11771	0.01091	0.021134
0.031291	0.49995	0.145307	0.00164	0.132297	0.00418	0.050217	0.27882	0.08255
-0.08119	0.07966	-0.05354	0.24824	-0.03252	0.48333	-0.10038	0.03009	-0.1219
0.043943	0.34336	-0.08729	0.05943	0.004778	0.91798	0.021273	0.64657	-0.09744
-0.24512	8.10E-08	-0.25838	1.47E-08	-0.23186	4.05E-07	-0.30027	3.47E-11	-0.36303
-0.04675	0.31335	-0.0286	0.53755	0.027112	0.55893	-0.17861	0.0001	-0.02035
-0.032	0.49024	-0.09397	0.04238	-0.03771	0.41622	-0.24826	5.45E-08	-0.20116
0.214207	3.00E-06	0.221544	1.33E-06	0.168809	0.00025	0.232813	3.62E-07	0.277353
0.058493	0.20704	0.036315	0.43367	0.094013	0.04229	-0.12739	0.00584	0.074367
0.108579	0.01892	0.061635	0.18364	0.052344	0.25893	0.062406	0.17821	0.0263
-0.01194	0.79695	-0.25737	1.68E-08	-0.08227	0.0757	-0.08408	0.06949	-0.01196
-0.03919	0.39819	-0.05106	0.27081	-0.03493	0.45144	-0.24311	1.04E-07	-0.25741
0.164099	0.00037	0.204163	8.70E-06	0.160531	0.0005	-0.02709	0.55932	0.083523
-0.08189	0.0771	0.066523	0.1512	0.085238	0.06571	-0.01399	0.76295	0.023431
0.076938	0.09678	0.062814	0.17538	0.109762	0.01765	0.015683	0.73535	0.066543
-0.08563	0.06448	-0.25706	1.75E-08	-0.05043	0.27677	-0.2844	3.87E-10	-0.17625
-0.08379	0.07044	-0.01721	0.71062	0.026101	0.57369	-0.12851	0.00542	-0.3423
-0.08894	0.05477	-0.18032	8.91E-05	-0.04049	0.38267	-0.27206	2.28E-09	-0.26024
-0.10345	0.02538	-0.0862	0.06269	-0.01784	0.70066	-0.11422	0.01352	-0.00932
0.001179	0.97973	0.116879	0.01148	0.091903	0.04715	0.101369	0.0285	0.048974
-0.11857	0.01034	-0.03611	0.43622	-0.04081	0.37892	0.004927	0.91544	0.00223
0.086423	0.06203	0.002944	0.9494	0.053224	0.25101	-0.17594	0.00013	-0.2758
-0.04085	0.37842	-0.03986	0.39008	0.00578	0.90086	-0.31011	7.22E-12	-0.2334

0.212461	3.62E-06	0.158791	0.00057	0.178322	0.00011	-0.09	0.05193	-0.14776
0.053684	0.24692	0.077613	0.09388	0.090172	0.05149	0.050016	0.28075	0.057254
0.063438	0.17112	0.001461	0.97488	0.116783	0.01155	0.020291	0.66185	0.098445
-0.09034	0.05104	-0.02116	0.64832	-0.01816	0.69543	-0.08684	0.06078	-0.13821
0.066503	0.15132	0.155754	0.00073	0.188073	4.31E-05	0.11079	0.01661	0.087853
0.015528	0.73787	-0.20817	5.73E-06	-0.03692	0.42609	-0.0739	0.11075	-0.26039
0.119277	0.00988	-0.04668	0.31415	0.126772	0.00608	-0.10308	0.02591	-0.13718
-0.00745	0.87248	-0.00316	0.94562	0.049101	0.28965	-0.21129	4.11E-06	-0.24299
0.345993	1.40E-14	0.230898	4.54E-07	0.228324	6.13E-07	0.373284	6.90E-17	0.358282
0.004299	0.92617	0.019218	0.67871	0.039518	0.3942	-0.05665	0.22177	-0.03037
0.082546	0.07473	0.253002	2.97E-08	0.211185	4.15E-06	0.097374	0.03541	0.13188
0.018966	0.68268	0.025609	0.58093	0.0743	0.10881	-0.05808	0.21031	-0.0257
0.241123	1.33E-07	0.308036	1.01E-11	0.371624	9.67E-17	0.163729	0.00038	0.159358
0.028531	0.53853	0.106551	0.02128	0.138465	0.00271	0.000301	0.99482	-0.06855
-0.11645	0.01179	0.063616	0.16992	0.073876	0.11085	-0.23274	3.66E-07	-0.10673
-0.19704	1.80E-05	-0.21565	2.56E-06	-0.10319	0.02576	-0.24454	8.70E-08	-0.15935
0.204363	8.53E-06	0.158069	0.00061	0.186858	4.84E-05	0.137108	0.00299	0.224821
0.162838	0.00041	0.134302	0.00364	0.170013	0.00022	0.115455	0.01254	0.012203
0.188425	4.17E-05	0.109744	0.01767	0.174594	0.00015	0.038442	0.40721	0.136498
-0.12383	0.00738	-0.02955	0.52414	-0.01916	0.67954	-0.06799	0.14234	-0.14434
0.138403	0.00272	0.190842	3.31E-05	0.319802	1.45E-12	0.026932	0.56154	0.157941
-0.02169	0.64016	-0.0102	0.82595	-0.02	0.66633	0.026601	0.56636	0.075207
0.096097	0.0379	0.109633	0.01779	0.092313	0.04617	0.104337	0.02414	0.036566
0.174285	0.00015	0.165785	0.00032	0.200802	1.23E-05	0.04304	0.35339	-0.01033
0.275249	1.45E-09	0.358651	1.27E-15	0.270056	3.01E-09	0.15866	0.00058	0.217259
0.042884	0.35514	0.100367	0.03011	0.074849	0.10622	-0.17858	0.0001	-0.02322
0.03825	0.40956	-0.05755	0.21451	0.017994	0.69814	-0.05825	0.20896	-0.19036
0.132657	0.00408	0.152759	0.00093	0.177664	0.00011	-0.02472	0.59407	-0.02071
-0.03492	0.45156	0.124514	0.00706	0.106508	0.02133	-0.01858	0.68882	0.019067
0.14043	0.00235	0.148216	0.00132	0.03739	0.42017	0.258252	1.49E-08	0.242111
-0.07346	0.11289	-0.09172	0.0476	-0.06642	0.15183	-0.13688	0.00304	-0.17053
-0.17892	0.0001	-0.15494	0.00078	-0.14343	0.00189	-0.171	0.0002	-0.1787
0.192699	2.76E-05	0.223961	1.01E-06	0.169307	0.00024	0.029737	0.5215	0.027589
0.214609	2.87E-06	0.11689	0.01147	0.25296	2.99E-08	-0.11756	0.011	-0.1333
0.17813	0.00011	-0.04751	0.30563	0.011039	0.81194	0.063861	0.16828	-0.03104
-0.08738	0.05918	-0.02536	0.58461	-0.10478	0.02355	-0.03334	0.47235	-0.25246
-0.06472	0.1626	-0.054	0.24418	-0.00443	0.92388	-0.14544	0.00163	-0.13761
-0.13162	0.00439	-0.07406	0.10996	-0.15114	0.00105	-0.08319	0.07248	-0.15374
0.043638	0.34673	0.091098	0.04913	-0.18941	3.79E-05	0.257544	1.64E-08	0.222383
0.003934	0.93244	0.069874	0.13161	0.156821	0.00067	-0.08423	0.06897	-0.10371
-0.18246	7.31E-05	-0.09023	0.05135	-0.13928	0.00256	-0.17329	0.00017	-0.04405
-0.09031	0.05113	-0.23975	1.57E-07	-0.15456	0.0008	-0.23244	3.79E-07	-0.23837
0.198947	1.48E-05	0.180734	8.58E-05	0.12982	0.00496	0.049819	0.28265	0.005386
0.069411	0.13419	0.177918	0.00011	-0.09088	0.04967	0.142877	0.00197	0.193532
0.22528	8.71E-07	0.086242	0.06258	0.116679	0.01163	0.066574	0.15089	-0.21005

-0.07398	0.11037	-0.17321	0.00017	-0.14746	0.0014	0.028684	0.53635	-0.0098
-0.0654	0.15825	0.009622	0.8357	-0.00391	0.93287	0.029514	0.52462	0.121136
0.023812	0.60776	0.03349	0.4703	0.005855	0.89957	0.018997	0.6822	-0.02381
-0.01382	0.76578	-0.0226	0.62622	-0.07511	0.10499	-0.03507	0.44958	-0.05291
-0.00104	0.98206	0.059996	0.19559	0.063274	0.17224	-0.0286	0.53755	0.017385
-0.04742	0.30654	-0.01118	0.80963	-0.07865	0.08958	0.040426	0.38341	0.006373
-0.00427	0.92667	0.048885	0.29178	0.091847	0.04729	-0.01479	0.74994	-0.13017
0.3022	2.56E-11	0.23486	2.84E-07	0.067665	0.14429	0.219636	1.65E-06	0.32423
-0.01243	0.78884	0.145599	0.00161	0.075339	0.10394	0.048647	0.29414	-0.02109
-0.00337	0.94207	-0.00852	0.8543	-0.2676	4.23E-09	-0.06066	0.19069	0.11925
-0.07288	0.11576	-0.12575	0.00651	-0.11655	0.01172	-0.10507	0.02317	-0.185
-0.21807	1.96E-06	-0.18351	6.64E-05	-0.167	0.00029	-0.26538	5.74E-09	-0.36999
0.203331	9.48E-06	-0.08882	0.05512	0.020102	0.66481	0.121018	0.00885	0.146482
-0.04243	0.36022	-0.04984	0.28244	-0.18407	6.30E-05	0.014154	0.76031	0.004632
-0.13935	0.00254	-0.24513	8.09E-08	-0.22036	1.52E-06	-0.10239	0.02693	-0.43723
0.219785	1.62E-06	0.236554	2.32E-07	0.289914	1.70E-10	0.178561	0.0001	0.255425
0.003521	0.93952	0.018698	0.68693	0.076481	0.09879	-0.08056	0.08203	-0.0924
0.009664	0.83501	-0.18965	3.71E-05	-0.24798	5.65E-08	-0.02274	0.624	0.03434
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0.051187	0.26963	0.116908	0.01146	0.136806	0.00305	-0.06558	0.15711	-0.02141
0.071817	0.12118	-0.00446	0.92346	-0.00085	0.98541	-0.11185	0.0156	-0.10158
-0.01826	0.69394	0.133586	0.00383	0.079235	0.08719	-0.02481	0.59285	0.026955
0.042546	0.35894	0.106289	0.0216	0.188659	4.08E-05	-0.12505	0.00681	-0.15201
0.122186	0.00821	0.225907	8.11E-07	0.297182	5.62E-11	0.04831	0.2975	-0.05724
0.208308	5.64E-06	0.048526	0.29535	0.039649	0.39262	0.192585	2.79E-05	0.308386
0.08169	0.07781	0.049623	0.28456	0.027621	0.55157	-0.03011	0.51634	-0.07609
0.243721	9.64E-08	0.159676	0.00053	0.151288	0.00104	-0.00082	0.98597	0.012678
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0.072711	0.11661	0.007693	0.86831	0.042562	0.35877	-0.1633	0.0004	-0.26267
0.205044	7.94E-06	0.126591	0.00616	0.179269	9.81E-05	0.188472	4.15E-05	0.152173
0.128507	0.00542	0.021905	0.63681	0.045802	0.32333	0.067899	0.1429	0.014434
0.017254	0.70997	-0.00087	0.98504	-0.0197	0.67113	0.155011	0.00078	0.006235
-0.08709	0.06004	-0.03732	0.42103	-0.06364	0.16973	-0.05857	0.20644	-0.1202
0.114767	0.01308	0.071908	0.12071	0.121813	0.00841	0.052085	0.26131	0.178437
0.176905	0.00012	0.092224	0.04638	0.091579	0.04794	0.219637	1.65E-06	0.017088
0.162533	0.00042	0.048188	0.29872	0.016987	0.71427	0.194509	2.31E-05	-0.01252
-0.0488	0.29265	0.040466	0.38294	0.045842	0.3229	0.041424	0.37176	0.047792
0.001266	0.97823	-0.02184	0.63778	-0.013	0.7794	0.067877	0.14303	0.008407
0.028981	0.53215	-0.01504	0.74581	0.000308	0.9947	0.079387	0.08659	0.010401
0.056685	0.22145	0.01268	0.78462	-0.00547	0.90615	-0.03871	0.40392	-0.02593
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0.012978	0.77969	0.004184	0.92815	0.046469	0.31631	-0.00544	0.90666	-0.04791
0.084533	0.06798	0.105966	0.02201	0.142337	0.00205	0.110187	0.01722	0.011962
0.033396	0.47154	0.043499	0.34827	0.082749	0.07402	0.095659	0.03879	-0.03104
0.021124	0.64887	0.060429	0.19238	0.08724	0.05959	0.036148	0.43578	0.010198



-0.05725	0.2169	0.019792	0.66967	0.033606	0.46877	0.002491	0.95719	-0.0088
-0.17944	9.66E-05	-0.22433	9.71E-07	-0.28131	6.08E-10	-0.15236	0.00096	-0.0397
0.003616	0.93789	0.088774	0.05523	0.076012	0.10088	-0.00683	0.88304	0.025403
0.233344	3.40E-07	0.272988	2.00E-09	0.302396	2.49E-11	-0.05474	0.23776	-0.14659
0.090835	0.04979	0.0954	0.03932	0.094578	0.04106	-0.03011	0.51624	0.0174
0.041413	0.37189	0.03782	0.41485	0.015878	0.73219	-0.00518	0.9111	-0.00178
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0.05138	0.26782	0.051986	0.26221	0.014035	0.76228	0.022334	0.63023	0.066059
-0.10999	0.01742	0.03982	0.39058	-0.01283	0.78219	-0.00578	0.90082	0.046964
-0.10024	0.03032	0.002949	0.94932	0.011067	0.81147	-0.03025	0.51427	-0.06005
-0.16769	0.00027	-0.31493	3.27E-12	-0.23567	2.58E-07	-0.21226	3.70E-06	-0.38268
0.145718	0.00159	0.267227	4.45E-09	0.190231	3.51E-05	0.09782	0.03457	0.326523
-0.09098	0.04943	-0.18408	6.29E-05	-0.1731	0.00017	-0.01732	0.70892	-0.06026
0.230874	4.55E-07	0.186806	4.87E-05	0.109049	0.01841	0.120008	0.00944	0.022545
0.040889	0.37799	0.08251	0.07486	0.108043	0.01952	0.071783	0.12136	0.063621
0.280505	6.84E-10	0.154294	0.00082	0.138875	0.00263	0.212295	3.69E-06	0.092726
0.003	0.94845	-0.01602	0.72985	0.002245	0.96142	-0.02573	0.5792	-0.10792
-0.05554	0.23091	-0.07346	0.11288	-0.03298	0.4771	-0.26714	4.51E-09	-0.1326
0.052846	0.2544	0.122204	0.0082	0.045799	0.32335	0.102544	0.0267	0.080126
0.334232	1.19E-13	-0.09109	0.04915	0.105294	0.02287	0.032147	0.48829	-0.11783
0.133541	0.00384	-0.01202	0.79561	0.037456	0.41936	0.01777	0.70171	-0.05089
-0.08958	0.05304	-0.09145	0.04826	-0.05245	0.25793	-0.13801	0.0028	0.023793
-0.05065	0.2747	-0.05437	0.24096	-0.1153	0.01266	-0.07015	0.13011	-0.07833
-0.05541	0.23201	0.085554	0.06471	0.039342	0.3963	0.147876	0.00135	0.177487
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0.225526	8.47E-07	0.256539	1.87E-08	0.206906	6.54E-06	0.073486	0.11276	-0.02562
0.242361	1.14E-07	0.188076	4.31E-05	0.237491	2.07E-07	-0.0738	0.11123	-0.07971
0.04589	0.32239	0.075748	0.10207	0.064911	0.16138	-0.07818	0.09148	-0.02671
-0.18938	3.81E-05	-0.28392	4.15E-10	-0.33239	1.65E-13	-0.14347	0.00188	-0.03682
0.270459	2.85E-09	0.227324	6.89E-07	0.316609	2.48E-12	0.133094	0.00396	0.028477
0.309597	7.85E-12	0.180967	8.40E-05	0.229347	5.45E-07	0.187791	4.43E-05	0.131205
0.160919	0.00048	0.082996	0.07316	0.041676	0.36887	-0.03129	0.49996	-0.00327
0.164809	0.00035	0.031368	0.4989	0.110575	0.01683	-0.05271	0.25562	-0.27521
-0.05774	0.21298	-0.0685	0.13937	-0.05683	0.22029	-0.04627	0.3184	-0.03633
0.083846	0.07025	0.169227	0.00024	0.074832	0.10629	0.120703	0.00903	0.215179
0.254292	2.51E-08	0.082611	0.0745	0.053441	0.24907	0.131791	0.00433	0.234926
0.173264	0.00017	0.034997	0.45055	0.087669	0.05834	-0.03971	0.39185	-0.01108
0.130201	0.00483	-0.05915	0.20198	0.023487	0.61267	0.04302	0.35361	0.128241
-0.24321	1.03E-07	-0.07485	0.10619	-0.12918	0.00518	-0.05582	0.22863	0.082165
0.278802	8.74E-10	0.239798	1.56E-07	0.060791	0.18973	0.434688	6.01E-23	0.343356
-0.13581	0.00328	-0.04253	0.35916	-0.05154	0.26631	0.034871	0.45219	-0.12821
-0.02078	0.65421	0.118372	0.01046	0.033337	0.47233	-0.04752	0.30553	-0.00386
0.331971	1.78E-13	0.088747	0.0553	0.16246	0.00042	0.242937	1.06E-07	0.109641
-0.04842	0.2964	-0.04248	0.35968	-0.00737	0.87378	-0.16329	0.0004	-0.09467

0.10484	0.02346	0.053375	0.24966	0.008201	0.85971	-0.10459	0.0238	-0.20539
0.050987	0.2715	-0.07488	0.10607	-0.00799	0.86332	-0.17258	0.00018	-0.29473
-0.07652	0.0986	-0.18071	8.60E-05	-0.04737	0.30702	-0.13318	0.00394	0.00254
-0.03627	0.43423	0.027791	0.54913	0.049802	0.28282	-0.10331	0.02558	-0.15885
-0.07526	0.10432	-0.11227	0.01521	-0.06897	0.13668	-0.2472	6.23E-08	-0.25899
0.02918	0.52933	0.042226	0.36257	0.047764	0.30301	-0.04886	0.29206	-0.00768
0.031737	0.49386	-0.06335	0.17173	-0.00988	0.83131	-0.0255	0.5826	-0.00138
0.091526	0.04807	0.046414	0.31689	0.045511	0.3264	0.064132	0.16648	-0.00677
0.021831	0.63795	0.094672	0.04086	0.131916	0.0043	-0.00401	0.93115	-0.00211
0.08533	0.06542	0.064563	0.16364	0.08732	0.05936	0.023577	0.6113	-0.00714
0.062622	0.17671	0.04207	0.36435	0.040335	0.38448	-0.01056	0.82002	-0.02024
0.134777	0.00352	0.029487	0.52501	-0.11631	0.0119	0.032755	0.48011	-0.01351
0.07344	0.11298	0.130002	0.0049	0.229898	5.11E-07	-0.05964	0.19823	0.011752
0.035425	0.44503	-0.02386	0.60707	-0.03155	0.49645	0.060006	0.19552	-0.11045
0.2717	2.40E-09	0.225694	8.31E-07	0.303347	2.14E-11	0.04399	0.34286	0.182022
-0.05576	0.22913	-0.29912	4.16E-11	-0.14981	0.00117	-0.11669	0.01162	-0.20249
0.17215	0.00019	0.112365	0.01512	0.113581	0.01405	0.035224	0.44762	-0.03531
0.121705	0.00847	0.166585	0.0003	0.009842	0.83201	0.151506	0.00102	0.272129
0.110901	0.0165	0.017541	0.70538	0.084407	0.06839	-0.07452	0.10778	-0.18073
0.04335	0.34993	-0.00629	0.8922	0.057958	0.21124	-0.16702	0.00029	-0.2034
0.183184	6.84E-05	0.188541	4.13E-05	0.218786	1.81E-06	0.231069	4.45E-07	0.171747
0.043557	0.34763	0.105935	0.02204	0.128579	0.00539	-0.0664	0.15193	-0.12924
0.077641	0.09376	0.019629	0.67222	0.069494	0.13373	0.033509	0.47005	-0.07486
-0.29175	1.29E-10	-0.01151	0.80408	-0.17731	0.00012	-0.1369	0.00303	-0.0603
-0.07354	0.1125	-0.24028	1.47E-07	-0.15357	0.00087	-0.16797	0.00027	-0.27246
0.144792	0.00171	0.12855	0.0054	0.111562	0.01587	0.102615	0.02659	-0.02635
0.01326	0.77504	0.105955	0.02202	0.135399	0.00337	0.044757	0.33449	0.170152
-0.01024	0.82531	0.041953	0.36568	0.082856	0.07364	0.057277	0.21666	0.009602
0.239468	1.63E-07	0.162859	0.00041	0.158384	0.00059	0.363238	5.18E-16	0.274996
0.158111	0.00061	0.063811	0.16862	0.106245	0.02166	-0.02643	0.56889	-0.12262
0.009964	0.82997	-0.10288	0.0262	0.022023	0.635	0.083658	0.07089	0.133872
0.166036	0.00031	-0.1154	0.01258	-0.02823	0.54279	0.029541	0.52425	-0.05124
0.145191	0.00166	-0.25627	1.94E-08	-0.20177	1.11E-05	-0.00715	0.87761	0.017123
0.093028	0.0445	-0.30944	8.05E-12	-0.18532	5.60E-05	-0.04956	0.28519	-0.32758
0.138534	0.0027	0.194267	2.37E-05	0.153881	0.00085	0.100938	0.02918	0.158779
0.113508	0.01412	0.094484	0.04126	0.09537	0.03939	0.100758	0.02947	0.050157
-0.11818	0.01059	-0.30128	2.96E-11	-0.25882	1.39E-08	-0.23817	1.91E-07	-0.40017
0.221526	1.33E-06	0.259397	1.28E-08	0.168985	0.00024	0.30943	8.06E-12	0.411756
-0.03654	0.43081	0.103338	0.02554	-0.00037	0.99364	0.009015	0.84595	-0.02468
0.000518	0.99108	0.053565	0.24798	0.029575	0.52376	0.115692	0.01236	0.016077
0.029363	0.52675	0.027531	0.55287	0.027285	0.55643	0.089393	0.05355	-0.11606
-0.24189	1.21E-07	-0.27909	8.38E-10	-0.30414	1.89E-11	-0.11509	0.01282	-0.01174
0.295074	7.77E-11	0.208212	5.70E-06	0.228089	6.30E-07	0.013388	0.77291	0.080938
-0.01435	0.75708	-0.09287	0.04488	-0.00091	0.98442	-0.02545	0.58321	-0.04448
-0.07784	0.09293	-0.03887	0.40203	-0.00099	0.983	-0.06504	0.16052	-0.04885

-0.18318	6.84E-05	-0.07167	0.12196	-0.09524	0.03967	-0.08638	0.06214	-0.05704
0.167708	0.00027	0.218965	1.78E-06	0.293161	1.04E-10	-0.01536	0.74058	0.043987
-0.0343	0.45961	-0.22606	7.97E-07	-0.07548	0.10329	-0.1829	7.02E-05	-0.39342
0.16546	0.00033	0.181451	8.03E-05	0.15543	0.00075	0.082051	0.0765	0.353889
-0.11577	0.0123	-0.15133	0.00104	-0.14442	0.00175	-0.16267	0.00042	-0.07945
-0.09969	0.03124	0.064443	0.16443	-0.00712	0.87801	-0.06623	0.153	-0.02196
-0.07255	0.11744	-0.05464	0.2386	-0.09789	0.03445	-0.08742	0.05906	-0.04512
0.011775	0.79965	0.162318	0.00043	0.147662	0.00137	-0.07383	0.11105	0.091464
0.087354	0.05926	0.063548	0.17038	0.065579	0.1571	-0.01804	0.69747	-0.05159
-0.26122	1.01E-08	-0.28825	2.19E-10	-0.21629	2.39E-06	-0.07876	0.0891	0.07008
-0.06653	0.15115	-0.0047	0.91926	-0.04674	0.31347	-0.0849	0.06678	-0.10143
0.111743	0.0157	0.135928	0.00325	0.032325	0.48589	0.064509	0.16399	0.266791
0.060772	0.18986	0.155651	0.00074	0.042297	0.36176	-0.05309	0.25224	-0.06876
-0.07403	0.11012	-0.35735	1.64E-15	-0.20014	1.32E-05	-0.30503	1.64E-11	-0.3782
-0.20816	5.73E-06	-0.20899	5.25E-06	-0.10347	0.02535	-0.13396	0.00373	-0.1498
-0.04965	0.28428	-0.04683	0.31261	-0.02066	0.65616	-0.20737	6.23E-06	-0.26858
0.072911	0.1156	-0.05441	0.24058	0.030098	0.51645	-0.08534	0.06538	-0.15867
0.140091	0.00241	0.130822	0.00463	0.144134	0.00179	0.101626	0.02809	-0.22515
0.01936	0.67646	0.130847	0.00462	0.098299	0.03369	0.078568	0.0899	-0.03408
0.106869	0.02089	0.170121	0.00022	0.176036	0.00013	0.038778	0.40312	0.02343
-0.08975	0.05259	-0.07836	0.09077	-0.07976	0.08512	-0.04628	0.31834	-0.09018
0.023672	0.60988	0.077549	0.09415	0.02643	0.56887	0.080076	0.08388	0.030394
-0.15858	0.00058	-0.27884	8.70E-10	-0.25866	1.42E-08	-0.09003	0.05187	-0.06802
-0.01938	0.67608	0.013461	0.77172	0.027409	0.55463	-0.14372	0.00185	-0.23697
0.052725	0.25548	0.10705	0.02068	0.035218	0.4477	0.049247	0.28822	-0.00968
0.048749	0.29313	0.030829	0.50631	-0.02143	0.64412	-0.07118	0.1245	-0.19074
-0.05924	0.20133	0.004006	0.9312	-0.00997	0.82987	-0.04327	0.35078	-0.01715
-0.03266	0.48139	0.006514	0.88835	0.060147	0.19446	-0.00571	0.90213	-0.14901
-0.02142	0.64434	-0.13985	0.00245	-0.1293	0.00513	-0.00284	0.95118	-0.12087
0.098639	0.03308	0.09592	0.03826	-0.11024	0.01716	0.114043	0.01367	0.080836
0.046672	0.3142	-0.01994	0.66738	-0.05826	0.20885	0.036009	0.43756	-0.17706
0.318743	1.73E-12	0.270492	2.84E-09	0.153526	0.00087	0.203987	8.86E-06	0.181153
-0.02483	0.59252	-0.14338	0.0019	-0.00592	0.89842	-0.15185	0.001	-0.18658
0.044179	0.34078	0.18751	4.55E-05	0.22177	1.30E-06	-0.08341	0.07172	-0.01635
0.065041	0.16054	-0.07875	0.08914	0.033784	0.46641	-0.03946	0.39488	-0.04377
0.146318	0.00152	0.136521	0.00311	0.185515	5.50E-05	0.179552	9.56E-05	0.105557
-0.07875	0.08916	-0.09719	0.03575	-0.0685	0.13942	-0.15389	0.00085	-0.17268
0.069369	0.13443	0.036744	0.42825	0.003058	0.94746	0.040538	0.3821	-0.04086
0.054191	0.24248	0.008367	0.85688	0.143049	0.00194	0.030112	0.51626	-0.01274
-0.06898	0.13665	-0.12828	0.0055	-0.01237	0.78976	-0.09393	0.04247	0.101059
0.035961	0.43817	-0.02454	0.59688	-0.04164	0.36927	0.056538	0.22265	-0.07133
-0.0325	0.48358	0.008019	0.86279	0.039158	0.39852	-0.09341	0.04363	-0.02851
0.093307	0.04386	0.14054	0.00233	0.136901	0.00303	0.213681	3.17E-06	0.131017
-0.1128	0.01474	-0.07778	0.09318	-0.09262	0.04545	-0.01205	0.79509	-0.05242
0.22377	1.04E-06	0.169122	0.00024	-0.01354	0.77035	0.116637	0.01166	0.107086

0.291076	1.43E-10	0.027332	0.55574	-0.11859	0.01032	0.295031	7.83E-11	0.197908
-0.10723	0.02046	-0.03332	0.47251	-0.11713	0.0113	0.007286	0.87522	-0.03469
0.001586	0.97273	-0.24018	1.49E-07	-0.21615	2.43E-06	-0.07973	0.08523	-0.23075
0.078168	0.09155	0.088358	0.05638	0.062529	0.17735	0.091271	0.0487	-0.05293
0.112788	0.01474	0.009036	0.84559	0.026186	0.57243	0.028487	0.53916	-0.09184
0.080054	0.08397	0.139562	0.00251	0.081182	0.07968	0.009269	0.84165	0.042654
0.242313	1.15E-07	0.235269	2.70E-07	0.108656	0.01884	0.232657	3.69E-07	0.174019
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-0.06638	0.15208	-0.118	0.01071	0.014549	0.75383	-0.1653	0.00033	-0.1565
0.001504	0.97415	-0.00832	0.85762	0.008966	0.84678	0.059347	0.20048	0.036517
0.202874	9.94E-06	0.087241	0.05959	0.121548	0.00855	0.017134	0.71191	-0.00181
-0.04307	0.35307	-0.32724	4.06E-13	-0.19053	3.41E-05	-0.19855	1.54E-05	-0.2992
0.056509	0.22289	-0.04941	0.28663	-0.03027	0.514	-0.03551	0.444	-0.16582
0.176371	0.00013	0.049956	0.28133	0.269171	3.41E-09	0.020837	0.65333	-0.0389
-0.01374	0.76706	-0.16286	0.00041	0.011591	0.80272	0.008196	0.85978	0.152509
0.257423	1.67E-08	0.287666	2.39E-10	0.343868	2.08E-14	0.249933	4.41E-08	0.143673
-0.07051	0.12813	-0.23616	2.43E-07	-0.12191	0.00836	-0.04143	0.37171	-0.02795
0.134425	0.00361	-0.00879	0.8498	0.087407	0.0591	0.082232	0.07585	0.030039
0.080515	0.08219	-0.00218	0.9625	0.171657	0.00019	0.038943	0.40112	-0.18639
0.087709	0.05823	0.079526	0.08604	0.141025	0.00225	0.045896	0.32233	-0.09012
-0.02952	0.52447	0.072443	0.11797	0.072055	0.11995	-0.02398	0.6052	-0.00873
-0.0079	0.86472	-0.02235	0.62998	-0.07345	0.11292	-0.09635	0.0374	-0.04888
-0.01048	0.82129	-0.01595	0.73104	0.002891	0.95033	-0.03674	0.42832	-0.05316
-0.20629	6.98E-06	-0.13893	0.00262	-0.1714	0.0002	-0.14514	0.00166	-0.18241
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0.002141	0.9632	-0.00312	0.94642	-0.05847	0.20723	-0.0694	0.13427	-0.0257
-0.01166	0.80156	0.089999	0.05194	0.050465	0.27645	-0.03142	0.49817	0.026434
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0.001315	0.97739	0.004542	0.92201	0.011528	0.80378	-0.06006	0.19512	-0.03388
-0.03823	0.40975	-0.09455	0.04112	-0.03376	0.46672	-0.14741	0.0014	-0.15478
0.083185	0.0725	0.072126	0.11959	0.028773	0.53509	-0.01408	0.76159	0.048747
-0.13456	0.00358	-0.05911	0.20228	-0.21589	2.49E-06	-0.08927	0.05387	-0.1068
0.13605	0.00322	-0.04459	0.33628	-0.21706	2.19E-06	0.011376	0.80631	-0.00171
-0.12016	0.00935	-0.03559	0.44288	-0.10187	0.02771	-0.12667	0.00613	-0.33554
0.039632	0.39283	0.037385	0.42024	0.052529	0.25725	0.089971	0.05201	-0.00766
-0.01886	0.68429	-0.01045	0.82173	0.033071	0.47588	0.016827	0.71683	-0.19665
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0.091272	0.0487	0.03562	0.44253	0.056447	0.2234	0.039151	0.39861	-0.00695
0.208922	5.29E-06	0.202231	1.06E-05	0.162748	0.00041	0.324872	6.11E-13	0.28887
-0.06753	0.1451	0.16333	0.00039	0.145273	0.00165	-0.08638	0.06217	-0.02407
0.311324	5.92E-12	0.260046	1.18E-08	0.363214	5.21E-16	0.196896	1.82E-05	0.153099
0.116229	0.01195	0.119364	0.00983	0.084867	0.06689	0.007331	0.87446	0.023949
0.177433	0.00012	0.074566	0.10755	0.068434	0.13977	-0.00212	0.96359	-0.04873
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-0.1376	0.00288	-0.14418	0.00179	-0.09465	0.04091	-0.14596	0.00156	-0.13825

-0.13394	0.00373	-0.08789	0.0577	-0.1062	0.02171	-0.17149	0.0002	-0.28253
-0.12327	0.00765	-0.03802	0.41241	-0.06897	0.1367	-0.0535	0.24859	-0.03208
0.000351	0.99396	0.037429	0.41969	0.0574	0.21567	0.016833	0.71674	0.003305
0.07665	0.09804	0.090553	0.05051	0.078171	0.09154	0.02738	0.55505	-0.0458
0.141066	0.00225	0.142044	0.00209	0.121834	0.0084	0.13645	0.00313	0.098308
0.186015	5.25E-05	0.084945	0.06664	0.129065	0.00522	0.079008	0.08811	-0.14618
0.046191	0.31923	0.000549	0.99056	-0.02	0.66641	-0.07624	0.09987	0.008282
-0.0883	0.05655	0.006146	0.89461	0.003108	0.9466	0.052161	0.26061	0.309778
0.048112	0.29949	-0.07275	0.11641	-0.02528	0.58576	0.059432	0.19983	-0.06872
0.128215	0.00552	0.164727	0.00035	0.172127	0.00019	-0.01839	0.69184	0.013968
0.025344	0.58486	0.002556	0.95607	0.082144	0.07616	-0.0716	0.12231	-0.10727
0.137306	0.00295	0.202116	1.07E-05	0.187898	4.39E-05	0.060474	0.19205	0.049295
0.076855	0.09715	-0.07496	0.10569	-0.03692	0.42604	0.06283	0.17527	0.186642
0.069946	0.13121	0.079656	0.08552	0.05784	0.21216	0.00559	0.9041	0.067796
0.105223	0.02296	0.122563	0.00801	0.166353	0.00031	-0.07943	0.08641	-0.02927
0.253528	2.77E-08	0.202339	1.05E-05	0.176379	0.00013	0.028705	0.53606	0.018664
0.052362	0.25877	0.017048	0.71328	0.023771	0.60838	0.053533	0.24826	0.008105
0.124574	0.00703	0.1954	2.12E-05	0.160453	0.0005	0.198308	1.58E-05	0.343768
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0.181996	7.64E-05	0.295481	7.30E-11	0.330714	2.22E-13	-0.05743	0.21545	-0.04335
-0.03457	0.45608	0.031741	0.49381	0.036833	0.42714	-0.01759	0.70459	0.035181
-0.25726	1.70E-08	-0.2822	5.34E-10	-0.23929	1.66E-07	-0.11764	0.01095	-0.129
0.186156	5.18E-05	0.177328	0.00012	0.15863	0.00058	0.127733	0.00571	0.094759
0.141585	0.00216	0.15976	0.00053	0.018722	0.68655	0.010295	0.8244	0.032316
0.166962	0.00029	0.240139	1.50E-07	0.244753	8.48E-08	0.124655	0.00699	0.02205
0.107493	0.02016	0.056962	0.2192	0.098868	0.03267	0.014072	0.76167	-0.08087
0.16419	0.00037	0.146809	0.00147	0.183633	6.56E-05	0.037201	0.42252	-0.08365
0.172017	0.00019	0.178636	0.0001	0.289476	1.82E-10	-0.08849	0.056	-0.12914
-0.16941	0.00024	-0.00277	0.95248	-0.00034	0.99419	-0.18542	5.55E-05	-0.25592
-0.24394	9.38E-08	-0.19168	3.05E-05	-0.218	1.98E-06	-0.02817	0.54365	0.053689
0.185912	5.30E-05	-0.05139	0.26773	-0.01408	0.76161	0.065184	0.15962	0.066838
0.292042	1.23E-10	0.264843	6.17E-09	0.285623	3.23E-10	0.092662	0.04535	0.006431
0.097644	0.0349	0.114382	0.01339	0.164857	0.00035	0.053135	0.2518	0.015513
0.026423	0.56896	-0.1344	0.00362	-0.08427	0.06885	-0.08141	0.07883	-0.17221
-0.1634	0.00039	-0.12577	0.0065	-0.12355	0.00752	-0.06221	0.17954	-0.18114
-0.31687	2.37E-12	-0.19721	1.77E-05	-0.2264	7.66E-07	-0.19446	2.32E-05	-0.18914
0.040963	0.37713	0.083311	0.07207	0.104662	0.0237	-0.07207	0.11988	-0.00612
0.147201	0.00142	0.148622	0.00128	0.138955	0.00262	0.212446	3.63E-06	0.152801
0.004669	0.91984	0.11921	0.00992	0.102022	0.02749	0.053464	0.24887	0.059957
0.029208	0.52894	0.131159	0.00452	0.097272	0.0356	0.115747	0.01231	0.169982
-0.13889	0.00263	-0.07484	0.10625	-0.13046	0.00474	-0.03901	0.40036	-0.15872
0.125563	0.00659	0.119125	0.00998	-0.0951	0.03994	0.24793	5.68E-08	0.350198
0.144361	0.00176	0.09884	0.03272	0.230312	4.87E-07	0.107191	0.02051	0.160181
-0.00711	0.8782	-0.07199	0.1203	-0.0116	0.80252	-0.03325	0.47353	-0.01433
-0.01349	0.77127	0.116379	0.01184	0.007532	0.87104	0.121261	0.00871	0.329066

0.071181	0.12452	0.080235	0.08327	0.079493	0.08617	0.046662	0.31431	0.051812
0.285538	3.27E-10	0.163932	0.00037	0.2053	7.73E-06	0.257817	1.58E-08	0.30563
-0.22258	1.19E-06	-0.1729	0.00017	-0.21772	2.04E-06	-0.10163	0.02808	-0.16173
0.172566	0.00018	0.262344	8.65E-09	0.074116	0.1097	0.207934	5.87E-06	0.329573
0.324994	5.99E-13	0.107071	0.02065	0.110994	0.01641	0.067299	0.14647	-0.19068
0.322983	8.45E-13	0.118748	0.01022	0.073247	0.11393	0.055911	0.22784	-0.04956
0.038018	0.4124	1.45E-05	0.99975	-0.01504	0.74584	-0.04451	0.3372	-0.01792
-0.03838	0.408	-0.08936	0.05364	-0.00984	0.83201	-0.23527	2.71E-07	-0.26524
-0.02019	0.66336	-0.01338	0.77306	0.038107	0.41131	0.023369	0.61446	0.080557
-0.09357	0.04328	-0.13966	0.00249	-0.1391	0.00259	-0.10267	0.02651	-0.06453
-0.07027	0.12942	-0.11147	0.01595	-0.07567	0.10244	-0.10366	0.02508	-0.26182
0.036882	0.42653	0.181168	8.24E-05	0.20865	5.44E-06	-0.04911	0.28952	-0.04406
-0.07981	0.08492	-0.02924	0.52843	0.038804	0.40281	-0.24977	4.50E-08	-0.38263
-0.00672	0.88484	0.095917	0.03826	0.116714	0.0116	0.029909	0.51909	-0.00598
-0.01579	0.73357	0.182879	7.04E-05	-0.01019	0.82615	-0.01896	0.68279	0.097414
-0.01576	0.73409	0.003595	0.93824	-0.02481	0.59277	-0.10384	0.02483	-0.00296
-0.13886	0.00263	-0.0289	0.53329	-0.02858	0.53782	-0.1512	0.00105	-0.12347
0.004873	0.91635	-0.04207	0.36438	-0.02268	0.62499	0.047045	0.31035	-0.01517
0.195592	2.08E-05	0.243642	9.74E-08	0.287771	2.35E-10	0.062324	0.17878	0.049109
0.082049	0.07651	-0.16722	0.00028	-0.03489	0.45189	-0.00843	0.85586	0.105568
0.138467	0.00271	0.097977	0.03428	0.003402	0.94154	0.152461	0.00095	0.26162
-0.0492	0.28872	0.070269	0.12944	0.08048	0.08232	-0.00999	0.8296	-0.05839
-0.02075	0.65475	-0.01093	0.81374	0.026539	0.56728	-0.08089	0.08077	-0.02162
-0.18654	4.99E-05	-0.07518	0.10468	-0.04184	0.36701	-0.02872	0.53578	0.143113
0.139086	0.00259	0.103999	0.02461	0.103822	0.02485	-0.08332	0.07203	-0.21736
0.041309	0.3731	-0.05334	0.25	-0.01015	0.82683	-0.16541	0.00033	-0.21269
0.12634	0.00626	0.10009	0.03057	0.18356	6.60E-05	0.026746	0.56425	0.066047
0.291045	1.44E-10	0.299663	3.82E-11	0.280081	7.27E-10	0.327884	3.63E-13	0.266313
0.081934	0.07692	0.187178	4.70E-05	0.158226	0.0006	-0.03324	0.47356	0.021854
0.187705	4.47E-05	0.097962	0.03431	0.119053	0.01002	0.142238	0.00206	0.220969
0.06994	0.13124	-0.11729	0.01119	0.04259	0.35844	0.020783	0.65417	-0.04591
-0.1135	0.01412	-0.2371	2.17E-07	-0.25524	2.22E-08	0.06732	0.14635	0.03887
0.05339	0.24953	0.004773	0.91806	-0.01465	0.75224	-0.08542	0.06514	-0.10174
0.232707	3.67E-07	0.192661	2.77E-05	0.333086	1.46E-13	0.071937	0.12056	0.084495
0.060454	0.19219	0.225557	8.44E-07	0.187148	4.71E-05	0.104528	0.02388	0.335596
-0.03324	0.47365	-0.08723	0.05961	-0.08061	0.08183	0.000897	0.98458	-0.06285
-0.02939	0.5263	-0.03244	0.48439	-0.04833	0.2973	0.031325	0.49949	-0.04695
-0.0144	0.75624	-0.10131	0.02858	-0.08584	0.06381	-0.07707	0.09621	-0.16836
0.033238	0.47365	-0.1151	0.01281	-0.08031	0.08296	-0.02195	0.63613	-0.10377
-0.11451	0.01328	0.03138	0.49874	-0.01298	0.77971	0.008085	0.86167	0.116139
-0.09741	0.03534	-0.06698	0.1484	0.006081	0.89572	-0.05956	0.19889	-0.11993
0.004538	0.92208	0.016421	0.72339	0.055746	0.22921	-0.10341	0.02543	0.00675
-0.0019	0.96741	-0.001	0.98275	0.008304	0.85795	-0.02035	0.66092	0.092107
-0.16064	0.00049	-0.11819	0.01058	-0.13574	0.00329	-0.20594	7.24E-06	-0.33319
0.120789	0.00898	0.035449	0.44472	0.13075	0.00465	-0.09745	0.03527	0.01393

0.208449	5.56E-06	0.220526	1.49E-06	0.247198	6.24E-08	0.107822	0.01977	0.068999
0.040448	0.38316	0.02771	0.55029	0.110251	0.01715	-0.15198	0.00099	-0.32324
0.201809	1.11E-05	0.254307	2.51E-08	0.077182	0.09572	0.063563	0.17028	0.191631
-0.10257	0.02667	-0.10757	0.02007	-0.03298	0.47714	-0.10672	0.02107	0.108332
0.063918	0.1679	-0.08097	0.08048	-0.16292	0.00041	-0.13298	0.00399	-0.1619
0.167585	0.00028	0.254086	2.58E-08	0.163576	0.00039	-0.02457	0.59637	0.013737
-0.03293	0.47777	-0.08571	0.06421	-0.09542	0.03927	0.007031	0.87956	0.005186
0.219605	1.65E-06	0.143656	0.00186	0.15259	0.00094	0.018233	0.69433	-0.16733
-0.2531	2.93E-08	-0.20544	7.62E-06	-0.17163	0.00019	-0.07535	0.10387	0.022655
0.212632	3.56E-06	0.20666	6.71E-06	0.115665	0.01238	0.212326	3.67E-06	0.243295
-0.08649	0.06183	-0.20705	6.44E-06	-0.0476	0.30462	-0.16828	0.00026	-0.47012
0.017313	0.70903	-0.27912	8.36E-10	-0.26728	4.42E-09	-0.03362	0.46862	-0.10622
-0.08967	0.0528	0.005322	0.90868	0.01458	0.75333	-0.18578	5.37E-05	-0.21011
0.072823	0.11605	0.162846	0.00041	0.16051	0.0005	-0.0312	0.50115	-0.03026
-0.0061	0.89534	0.063141	0.17313	0.014036	0.76225	0.044066	0.34202	-0.05242
-0.06675	0.14979	-0.06225	0.17928	-0.00194	0.96673	-0.0717	0.1218	-0.06522
-0.02775	0.54967	-0.10974	0.01767	-0.08782	0.05791	-0.15736	0.00064	-0.07755
0.025971	0.5756	-0.12358	0.0075	-0.09893	0.03257	-0.04495	0.33238	-0.17988
-0.19615	1.96E-05	-0.24702	6.38E-08	-0.14201	0.0021	-0.18904	3.93E-05	-0.33157
0.048561	0.295	0.248312	5.42E-08	0.092133	0.0466	0.264632	6.35E-09	0.37308
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0.156265	0.0007	0.093797	0.04276	0.106223	0.02168	0.028192	0.54337	-0.11667
0.057566	0.21435	0.000304	0.99477	-0.04237	0.36096	-0.11323	0.01436	-0.07595
0.058522	0.20682	0.196455	1.90E-05	0.076103	0.10047	0.20718	6.35E-06	0.272568
0.184592	6.00E-05	0.13925	0.00256	0.205404	7.65E-06	-0.02019	0.6634	-0.0794
-0.15866	0.00058	-0.14216	0.00207	-0.09162	0.04784	-0.27307	1.98E-09	-0.21962
0.073621	0.11209	0.163984	0.00037	0.212703	3.53E-06	0.060812	0.18957	-0.03366
0.161492	0.00046	0.071459	0.12305	0.049292	0.28778	0.043669	0.34639	0.047206
-0.12065	0.00906	-0.25972	1.23E-08	-0.21553	2.59E-06	-0.18374	6.49E-05	-0.1905
0.045769	0.32367	-0.0325	0.48354	-0.0649	0.16145	0.015763	0.73405	-0.19839
0.146976	0.00145	-0.13088	0.00461	-0.33699	7.27E-14	-0.0003	0.99488	-0.07764
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0.031802	0.49298	-0.08761	0.05851	-0.14003	0.00242	-0.15235	0.00096	-0.20274
0.079206	0.08731	0.099138	0.0322	0.127427	0.00582	0.054686	0.2382	0.096298
0.030899	0.50535	0.05927	0.20106	0.011101	0.81091	-0.04912	0.28943	-0.22273
0.070789	0.12662	0.155915	0.00072	0.120065	0.0094	0.045162	0.33014	-0.01005
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0.121225	0.00873	0.238575	1.81E-07	0.278106	9.66E-10	0.092094	0.04669	0.168272
0.174573	0.00015	0.097236	0.03567	0.123234	0.00767	0.095593	0.03892	-0.0609
0.14063	0.00232	0.227332	6.88E-07	0.181375	8.09E-05	0.01886	0.68437	0.160253
0.106456	0.0214	0.191728	3.03E-05	0.151918	0.00099	0.112668	0.01485	0.089295
0.025179	0.5873	0.219415	1.69E-06	0.100189	0.03041	0.167476	0.00028	0.216427
0.16091	0.00048	-0.18841	4.18E-05	-0.13335	0.00389	-0.01574	0.73447	-0.10897

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0.060085	0.19493	0.158091	0.00061	-0.04293	0.35467	0.152584	0.00094	0.322571
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-0.12624	0.0063	-0.10395	0.02468	-0.31096	6.28E-12	-0.11613	0.01202	-0.13115
-0.07986	0.08471	-0.0915	0.04814	-0.15726	0.00065	-0.15298	0.00091	-0.24663
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-0.00362	0.93776	0.022362	0.62979	-0.00253	0.95659	-0.07536	0.10383	-0.20684
0.024781	0.59322	-0.09487	0.04043	-0.06424	0.16576	0.000393	0.99324	-0.05792
0.027034	0.56007	-0.05476	0.23757	0.065178	0.15966	-0.12924	0.00515	-0.22037
0.032247	0.48694	-0.01387	0.76491	0.010966	0.81315	-0.02514	0.58789	0.053277
0.142224	0.00206	0.1077	0.01991	0.097731	0.03474	0.184848	5.86E-05	-0.03906
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0.103936	0.0247	-0.10959	0.01783	0.013479	0.77142	0.046851	0.31236	-0.13557
0.153009	0.00091	0.180965	8.40E-05	-0.00561	0.90374	0.108502	0.01901	0.273404
0.012449	0.78846	-0.0429	0.35499	-0.15277	0.00093	0.071572	0.12246	-0.1184
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0.112319	0.01516	0.014086	0.76143	0.076031	0.10079	-0.13653	0.00311	-0.15719
-0.07808	0.09191	-0.07649	0.09875	-0.08329	0.07214	-0.17475	0.00015	-0.14671
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0.214511	2.90E-06	0.226211	7.83E-07	0.094438	0.04136	0.191094	3.23E-05	0.095622
0.168852	0.00025	0.074752	0.10667	-0.05773	0.213	0.081001	0.08036	0.146185
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0.014849	0.74893	0.077704	0.0935	0.07926	0.08709	0.062043	0.18075	0.093986
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-0.01509	0.74506	-0.04297	0.3542	-0.11772	0.0109	0.055162	0.23413	0.010559
0.030429	0.51185	-0.02767	0.55087	-0.08552	0.0648	0.029386	0.52643	0.10795
0.159415	0.00054	0.226965	7.18E-07	0.178006	0.00011	0.14879	0.00126	0.098835
-0.00367	0.93698	-0.04521	0.32967	0.024805	0.59286	-0.09484	0.04051	-0.07382
0.02863	0.53713	-0.04849	0.29568	0.042836	0.35567	-0.2164	2.36E-06	0.015576
0.213589	3.21E-06	0.356496	1.93E-15	0.377077	3.16E-17	0.17557	0.00014	0.301457
0.191229	3.18E-05	0.210272	4.58E-06	0.247678	5.87E-08	0.000742	0.98723	0.060474
-0.02778	0.5493	-0.056	0.22712	-0.0177	0.70276	0.173368	0.00017	0.143653
0.262782	8.16E-09	0.293801	9.45E-11	0.302695	2.37E-11	0.416687	4.87E-21	0.157399
0.06759	0.14473	0.163614	0.00038	0.202764	1.01E-05	-0.10933	0.01811	0.171706
0.168194	0.00026	0.204781	8.16E-06	0.235823	2.53E-07	0.122085	0.00826	0.081341
-0.00722	0.87629	-0.17951	9.60E-05	-0.16835	0.00026	-0.07575	0.10205	-0.08481
0.042258	0.36221	-0.07868	0.08942	0.029604	0.52336	-0.14016	0.0024	-0.24267
-0.24677	6.58E-08	-0.36187	6.78E-16	-0.30946	8.02E-12	-0.14701	0.00144	-0.12587
-0.15193	0.00099	-0.16145	0.00046	-0.102	0.02752	-0.12743	0.00582	-0.0594
0.199272	1.44E-05	0.103564	0.02522	0.198011	1.63E-05	0.088316	0.0565	0.249664
-0.24188	1.21E-07	-0.21527	2.67E-06	-0.21773	2.04E-06	-0.17341	0.00017	-0.18345



0.034073	0.4626	0.032547	0.4829	0.006983	0.88036	0.08113	0.07987	0.147223
0.086618	0.06144	0.034065	0.4627	-0.06628	0.1527	0.055095	0.23471	0.034264
0.122165	0.00822	0.226224	7.82E-07	0.260844	1.06E-08	0.105918	0.02207	0.394622
0.158759	0.00057	0.195251	2.15E-05	0.180624	8.67E-05	0.144509	0.00174	0.192717
0.106875	0.02089	0.196142	1.97E-05	0.145154	0.00166	0.030343	0.51304	0.059508
-0.07143	0.12323	-0.19807	1.62E-05	-0.18519	5.67E-05	-0.02628	0.57108	-0.01562
0.192344	2.86E-05	0.273948	1.75E-09	0.309236	8.32E-12	-0.04472	0.33489	0.071716
-0.13221	0.00421	-0.32056	1.28E-12	-0.25961	1.25E-08	-0.16931	0.00024	0.070282
-0.21614	2.43E-06	-0.1859	5.30E-05	-0.16221	0.00043	-0.30781	1.05E-11	-0.46767
0.262202	8.82E-09	0.074277	0.10892	0.130404	0.00476	0.188593	4.11E-05	0.246834
0.031525	0.49676	0.122103	0.00825	0.119197	0.00993	-0.00599	0.89736	-0.0934
0.066401	0.15195	0.053894	0.24508	0.136264	0.00317	0.006832	0.88293	-0.10131
-0.19067	3.36E-05	-0.28049	6.85E-10	-0.22091	1.43E-06	-0.17163	0.00019	-0.20472
0.10032	0.03019	0.02172	0.63967	0.038934	0.40123	-0.09312	0.04429	-0.00736
-0.09362	0.04316	0.225353	8.64E-07	0.09103	0.0493	0.105247	0.02293	0.202052
-0.20258	1.02E-05	-0.13759	0.00289	-0.17377	0.00016	-0.15912	0.00056	-0.10788
-0.02267	0.62505	0.087304	0.0594	0.074722	0.10681	-0.11573	0.01233	-0.13103
0.146343	0.00152	0.051427	0.26739	0.026972	0.56096	0.027673	0.55082	-0.03109
0.084572	0.06785	-0.03407	0.46259	-0.02627	0.57119	-0.14119	0.00223	0.036855
0.213288	3.31E-06	0.174128	0.00016	0.177565	0.00011	0.086959	0.06042	0.088385
-0.03155	0.49641	-0.0463	0.31812	-0.02632	0.57041	-0.17162	0.00019	-0.26691
0.114887	0.01298	0.123756	0.00742	0.195092	2.18E-05	0.121242	0.00872	0.302557
0.209691	4.87E-06	0.001542	0.97349	-0.00127	0.97823	0.172968	0.00017	0.140459
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0.123008	0.00779	0.173522	0.00016	0.172918	0.00017	0.04821	0.29851	-0.02095
0.018329	0.69279	0.027104	0.55904	0.025424	0.58366	0.036666	0.42923	-0.0086
0.157704	0.00063	0.165826	0.00032	0.136146	0.0032	-0.12132	0.00868	-0.13688
0.188536	4.13E-05	0.140424	0.00235	0.157945	0.00061	0.191749	3.03E-05	0.104957
0.257824	1.58E-08	0.309231	8.33E-12	0.298089	4.88E-11	0.238337	1.87E-07	0.409543
-0.02463	0.59551	-0.09727	0.0356	-0.03198	0.49061	-0.19411	2.40E-05	-0.17395
0.135363	0.00338	0.127244	0.00589	0.069424	0.13412	0.192375	2.85E-05	0.203526
0.012326	0.7905	-0.17779	0.00011	-0.11993	0.00948	-0.17854	0.0001	-0.34471
0.173938	0.00016	0.130268	0.00481	0.102866	0.02622	-0.01891	0.6835	0.082547
0.084882	0.06685	0.092525	0.04567	0.154414	0.00081	-0.00761	0.8698	-0.05137
0.02033	0.66124	0.185362	5.58E-05	0.080957	0.08052	0.226178	7.86E-07	0.196007
0.116187	0.01198	0.124329	0.00714	0.146212	0.00153	0.006363	0.89092	-0.0156
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0.108165	0.01938	0.137166	0.00298	0.092256	0.04631	0.122019	0.0083	0.113296
-0.15573	0.00073	-0.16643	0.0003	-0.16619	0.00031	-0.06079	0.1897	-0.13697
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0.166579	0.0003	0.08228	0.07568	0.105356	0.02279	-0.06559	0.15702	-0.07809
0.170976	0.00021	0.178895	0.0001	0.114938	0.01294	0.187907	4.38E-05	0.09251
-0.17227	0.00018	-0.21164	3.96E-06	-0.23808	1.93E-07	-0.1081	0.01946	-0.24997

0.128275	0.0055	0.200547	1.26E-05	0.195559	2.08E-05	-0.02834	0.54133	-0.06068
0.138872	0.00263	0.207975	5.84E-06	0.25001	4.36E-08	0.045054	0.3313	0.051416
0.174589	0.00015	0.228474	6.03E-07	0.162654	0.00042	0.010442	0.82193	-0.04474
0.183416	6.69E-05	0.118971	0.01008	0.140311	0.00237	0.166707	0.0003	-0.12568
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0.16103	0.00048	0.004748	0.91849	-0.00896	0.8468	0.242407	1.13E-07	0.206545
0.192522	2.81E-05	0.043692	0.34614	-0.01139	0.80602	0.248641	5.19E-08	0.194933
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0.316821	2.39E-12	0.261514	9.67E-09	0.287795	2.34E-10	0.129442	0.00509	0.201985
0.268886	3.54E-09	0.030326	0.51327	0.058009	0.21083	0.168298	0.00026	0.256514
0.25888	1.37E-08	0.062733	0.17594	0.172197	0.00018	0.033204	0.4741	0.036972
0.235023	2.79E-07	0.172078	0.00019	0.152118	0.00097	0.206521	6.81E-06	0.304389
0.119776	0.00958	0.259398	1.28E-08	0.027701	0.55042	0.040986	0.37686	0.014807
0.075387	0.10372	-0.03633	0.43349	-0.16873	0.00025	0.113091	0.01448	0.030596
0.066375	0.15211	0.019388	0.67602	0.079787	0.08501	-0.04527	0.32903	-0.24885
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-0.0016	0.97252	0.031277	0.50015	0.075496	0.10322	-0.10405	0.02453	-0.06428
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-0.12587	0.00646	-0.20841	5.58E-06	-0.13221	0.00421	-0.17549	0.00014	-0.24702
0.209207	5.13E-06	0.168592	0.00025	0.178593	0.0001	-0.04811	0.29954	0.02199
0.090635	0.0503	0.157789	0.00062	0.188196	4.26E-05	0.052184	0.2604	0.026737
0.331147	2.05E-13	0.13671	0.00307	0.319974	1.41E-12	0.159963	0.00052	-0.01606
0.019201	0.67897	0.004656	0.92007	-0.01433	0.7575	0.023031	0.61958	0.015652
0.178219	0.00011	-0.05821	0.20924	-0.14961	0.00118	0.034472	0.45738	-0.0224
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0.054423	0.24047	0.03646	0.43184	0.02349	0.61263	-0.02675	0.56422	0.097657
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0.08018	0.08348	0.149021	0.00124	0.110875	0.01653	0.150022	0.00115	0.051896
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0.051026	0.27114	0.127127	0.00594	0.103673	0.02506	0.109994	0.01741	-0.01009
0.13985	0.00245	0.344187	1.96E-14	0.253685	2.72E-08	0.203078	9.74E-06	0.265783
0.055587	0.23055	-0.00878	0.84983	0.01465	0.75219	-0.05949	0.19941	-0.05837
0.008829	0.84909	0.023733	0.60894	0.004867	0.91645	0.033512	0.47	-0.06114
0.122162	0.00822	0.195622	2.07E-05	0.212441	3.63E-06	0.208973	5.26E-06	0.180725
0.008462	0.85529	0.030289	0.51379	0.041017	0.37649	0.053038	0.25266	0.116865
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0.026266	0.57127	-0.03368	0.46775	0.030744	0.50748	-0.01908	0.68095	-0.10576
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0.089538	0.05316	0.173912	0.00016	0.248709	5.15E-08	-0.07782	0.09301	-0.06814
-0.24789	5.72E-08	-0.12969	0.005	-0.14414	0.00179	-0.11297	0.01458	-0.21857
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0.259739	1.23E-08	0.28252	5.10E-10	0.229484	5.36E-07	-0.01462	0.75267	0.20074
0.218877	1.79E-06	0.032141	0.48837	0.178373	0.00011	0.146661	0.00148	0.152609

0.157812	0.00062	0.106322	0.02156	0.131857	0.00431	0.044439	0.33795	-0.17814
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0.012966	0.7799	-0.07644	0.09899	-0.01198	0.79631	-0.15715	0.00065	-0.23304
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0.048528	0.29533	0.183444	6.68E-05	0.120521	0.00913	0.113168	0.01441	0.152925
0.211406	4.06E-06	0.17989	9.27E-05	0.175144	0.00014	-0.01529	0.74175	0.033052
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0.035804	0.44017	-0.04207	0.36432	0.057045	0.21853	0.001884	0.9676	0.209333
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0.246177	7.09E-08	0.285957	3.07E-10	0.2536	2.75E-08	0.213448	3.26E-06	0.3141
0.010436	0.82204	0.094837	0.0405	0.099935	0.03083	-0.03933	0.39643	0.015027
0.179892	9.27E-05	0.17626	0.00013	0.197094	1.79E-05	0.176295	0.00013	0.078603
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0.260006	1.18E-08	0.312184	5.15E-12	0.223529	1.06E-06	0.369808	1.40E-16	0.256026
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0.158335	0.00059	0.13588	0.00326	0.139154	0.00258	0.125877	0.00645	-0.07593
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0.210519	4.46E-06	0.221581	1.33E-06	0.109117	0.01834	0.204801	8.15E-06	0.206964
0.007474	0.87203	-0.10736	0.02031	-0.05882	0.20449	0.072316	0.11862	0.126308
0.14622	0.00153	-0.16428	0.00036	-0.28578	3.16E-10	0.027415	0.55454	-0.02159
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0.22118	1.39E-06	0.146618	0.00149	0.221242	1.38E-06	0.192099	2.93E-05	0.154355
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0.159368	0.00055	0.184815	5.87E-05	0.000906	0.98441	0.21406	3.05E-06	0.427525
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0.373922	6.05E-17	0.064669	0.16295	0.120583	0.0091	0.192591	2.79E-05	0.064931
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0.176652	0.00012	0.10311	0.02587	0.14486	0.0017	0.025576	0.58142	-0.05168
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0.039	0.40042	0.001897	0.96738	0.035773	0.44056	0.010196	0.82606	0.061192
0.010575	0.81971	0.030809	0.50659	0.023082	0.61882	0.034091	0.46237	0.026021
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0.029876	0.51955	0.128168	0.00554	0.116309	0.01189	0.05624	0.2251	0.024552
0.008753	0.85037	0.083412	0.07173	0.113512	0.01411	-0.03576	0.44068	0.126974
0.009923	0.83064	0.070722	0.12698	0.099853	0.03097	-0.13568	0.00331	0.036685
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0.01767	0.70332	0.05904	0.20282	0.148912	0.00125	-0.07268	0.11678	-0.10024
0.148918	0.00125	0.028552	0.53823	0.070816	0.12647	-0.02941	0.52611	-0.08729
0.260471	1.11E-08	0.235101	2.76E-07	0.208941	5.28E-06	0.18035	8.89E-05	0.424435
-0.0081	0.86142	-0.10962	0.0178	-0.23507	2.77E-07	0.030857	0.50593	0.149496
0.078076	0.09193	-0.03704	0.42458	-0.02531	0.58535	-0.06621	0.15311	-0.12155
-0.04984	0.28247	-0.02964	0.52291	-0.02216	0.63284	-0.02377	0.60842	-0.09346
-0.04412	0.34145	-0.12359	0.0075	-0.01759	0.70458	-0.15731	0.00065	-0.08682
0.175502	0.00014	0.279354	8.07E-10	0.265607	5.56E-09	0.209796	4.82E-06	0.156598
-0.08924	0.05395	0.001804	0.96899	-0.02348	0.61284	-0.14873	0.00127	-0.02631
0.098276	0.03374	0.265903	5.34E-09	0.242181	1.17E-07	0.102815	0.0263	0.00327
0.172681	0.00018	0.04324	0.35115	0.09959	0.03142	0.155205	0.00076	0.131136
0.004816	0.91734	-0.01172	0.80059	0.009845	0.83197	0.037929	0.4135	-0.05805
0.295717	7.04E-11	0.200377	1.28E-05	0.238483	1.84E-07	0.023951	0.60566	-0.0303
0.064816	0.16199	-0.0531	0.2521	0.033171	0.47455	-0.02633	0.57036	-0.19077
-0.00133	0.97711	-0.06069	0.19047	0.019121	0.68023	-0.21379	3.14E-06	-0.25053
-0.16034	0.0005	-0.15582	0.00073	-0.14591	0.00157	-0.04563	0.32513	-0.13402
-0.0019	0.96741	-0.12293	0.00782	-0.04303	0.3535	-0.2947	8.23E-11	-0.26943
-0.24687	6.50E-08	-0.19877	1.51E-05	-0.24871	5.15E-08	-0.12554	0.0066	-0.20248
-0.22144	1.35E-06	-0.26886	3.56E-09	-0.17995	9.22E-05	-0.16923	0.00024	-0.14869
0.243669	9.70E-08	0.179191	9.88E-05	0.080772	0.08122	0.005311	0.90887	0.06138
0.01465	0.75218	-0.06679	0.14956	-0.19979	1.36E-05	0.224788	9.22E-07	0.171551
0.069118	0.13585	-0.1293	0.00514	-0.1234	0.00759	0.135467	0.00336	0.035812
-0.0496	0.2848	0.03007	0.51683	0.040528	0.38221	-0.08693	0.0605	-0.06864
0.059418	0.19994	0.13477	0.00352	0.098391	0.03353	0.159357	0.00055	0.074913
0.051953	0.26252	-0.12623	0.0063	-0.18197	7.65E-05	0.023835	0.60742	-0.02723
0.199854	1.35E-05	-0.04996	0.28126	0.06206	0.18063	0.142133	0.00208	0.16991
0.053864	0.24534	0.108491	0.01902	0.13083	0.00463	0.038711	0.40393	0.118854
0.215238	2.68E-06	0.093338	0.0438	0.213871	3.11E-06	-0.1174	0.01112	-0.26734

-0.0167	0.71884	0.007258	0.8757	0.010894	0.81437	-0.01628	0.72571	0.023321
0.034839	0.4526	-0.01529	0.74177	-0.04284	0.35566	-0.03207	0.48929	-0.0291
0.052669	0.25598	0.061715	0.18307	0.113359	0.01424	0.014937	0.74749	0.025279
0.056189	0.22553	0.152907	0.00092	0.217594	2.07E-06	0.042442	0.36012	0.034154
-0.04116	0.37481	-0.15939	0.00055	-0.13457	0.00357	-0.02103	0.65038	-0.12419
0.113344	0.01426	0.176998	0.00012	0.197103	1.79E-05	0.005376	0.90775	-0.03172
0.176243	0.00013	0.291671	1.31E-10	0.235437	2.65E-07	-0.02803	0.54568	-0.00348
0.123773	0.00741	0.277755	1.02E-09	0.19064	3.37E-05	0.058673	0.20565	0.037118
-0.1053	0.02286	-0.09413	0.04203	-0.10104	0.02902	-0.07083	0.1264	-0.1288
-0.16049	0.0005	-0.06605	0.15416	-0.11566	0.01238	-0.08825	0.05669	-0.05836
0.079321	0.08685	-0.05044	0.27673	0.078769	0.08907	-0.07363	0.11205	-0.15419
0.097574	0.03503	0.158738	0.00058	0.131074	0.00455	-0.01203	0.79535	0.001135
0.311184	6.06E-12	0.189934	3.61E-05	0.215861	2.50E-06	0.149622	0.00118	0.086207
-0.06447	0.16425	-0.18897	3.96E-05	-0.03106	0.50308	-0.27266	2.09E-09	-0.38525
-0.13162	0.00439	-0.19589	2.01E-05	-0.23957	1.61E-07	-0.1905	3.42E-05	-0.07967
0.126138	0.00634	-0.02307	0.61907	0.066168	0.1534	0.107346	0.02033	-0.1364
0.326115	4.94E-13	0.053849	0.24548	0.092352	0.04608	0.111746	0.01569	0.186814
0.040984	0.37688	-0.03163	0.49536	-0.02989	0.51934	0.117967	0.01073	-0.00893
-0.00113	0.98049	-0.02204	0.63479	-0.04848	0.2958	-0.062	0.18106	-0.02313
0.01793	0.69915	-0.01472	0.75108	-0.03365	0.46818	0.081462	0.07864	-0.02364
0.11337	0.01423	-0.05981	0.19696	0.046524	0.31575	0.113995	0.01371	0.220279
0.29604	6.70E-11	0.236703	2.28E-07	0.252547	3.15E-08	0.101722	0.02795	0.130433
0.033191	0.47428	-0.0415	0.37091	0.038729	0.40371	-0.22627	7.78E-07	-0.18203
-0.01827	0.69369	0.038176	0.41047	-0.0043	0.92615	-0.01718	0.71109	-0.04612
0.110611	0.01679	0.008731	0.85074	0.065723	0.15619	-0.00911	0.8443	0.108487
-0.15578	0.00073	-0.09036	0.051	-0.04515	0.33023	-0.23336	3.40E-07	-0.1293
0.096011	0.03807	-0.04787	0.30192	-0.22548	8.51E-07	0.165522	0.00033	0.306608
-0.07144	0.12316	-0.09306	0.04443	-0.07423	0.10914	0.035201	0.44791	0.082943
0.252646	3.11E-08	0.32135	1.12E-12	0.27489	1.53E-09	0.337009	7.25E-14	0.433225
-0.11148	0.01595	0.0285	0.53898	0.009958	0.83006	-0.07577	0.10198	0.21135
0.000185	0.99682	-0.00388	0.93333	-0.14846	0.00129	0.123284	0.00765	0.120087
-0.18716	4.70E-05	-0.13494	0.00348	-0.0405	0.38251	-0.10294	0.02612	-0.08397
0.252134	3.32E-08	0.068122	0.14159	0.092184	0.04648	0.303338	2.14E-11	0.28378
0.226923	7.21E-07	0.007069	0.87891	-0.01664	0.7198	0.123159	0.00771	0.101974
0.02413	0.60296	-0.20786	5.91E-06	-0.20721	6.34E-06	-0.08255	0.07472	-0.13415
0.165368	0.00033	0.196879	1.83E-05	0.241218	1.31E-07	0.207288	6.28E-06	0.251412
0.201623	1.13E-05	0.099944	0.03082	0.285732	3.18E-10	0.17618	0.00013	0.218662
0.080919	0.08066	0.128735	0.00533	0.096707	0.03669	0.017065	0.71302	0.183077
0.195225	2.15E-05	0.263888	7.02E-09	0.085608	0.06454	0.255846	2.05E-08	0.335999
-0.11778	0.01086	-0.04991	0.28181	-0.0249	0.59148	-0.03911	0.39916	-0.05917
-0.01078	0.81622	0.011409	0.80575	0.014473	0.75508	-0.00365	0.93727	-0.00097
0.051494	0.26676	0.008015	0.86285	0.013411	0.77254	-0.07872	0.08927	-0.1163
-0.06095	0.18853	-0.04242	0.36034	0.011095	0.811	-0.13918	0.00258	-0.19382
0.116164	0.012	0.129142	0.00519	0.151333	0.00104	-0.09685	0.03641	-0.12462
-0.00253	0.95657	0.165	0.00034	0.089737	0.05263	-0.01084	0.81533	0.017176

0.009803	0.83266	0.001111	0.98089	-0.04154	0.37039	-0.02493	0.59099	-0.02472
0.138255	0.00275	0.256636	1.85E-08	0.219621	1.65E-06	0.094767	0.04065	0.327593
0.005693	0.90235	-0.01687	0.71622	0.016525	0.72171	-0.05031	0.27794	-0.24124
0.201198	1.18E-05	0.108861	0.01861	-0.05589	0.228	0.145876	0.00157	0.147771
-0.18963	3.72E-05	-0.32391	7.21E-13	-0.25297	2.98E-08	-0.17727	0.00012	-0.21618
0.190378	3.46E-05	0.202163	1.07E-05	0.116208	0.01197	0.235405	2.66E-07	0.214478
0.141721	0.00214	0.155071	0.00077	0.13397	0.00373	0.107129	0.02058	0.227334
-0.1031	0.02588	-0.00733	0.8744	0.012178	0.79296	-0.11025	0.01715	-0.17009
0.050143	0.27953	0.076093	0.10051	0.086718	0.06114	-0.077	0.09653	0.060855
-0.32616	4.90E-13	-0.1911	3.22E-05	-0.15804	0.00061	-0.14707	0.00144	-0.12222
-0.22132	1.37E-06	-0.17108	0.0002	-0.08209	0.07636	-0.12401	0.0073	-0.14386
0.275918	1.32E-09	0.199392	1.42E-05	0.233958	3.16E-07	0.231049	4.46E-07	0.400127
0.242499	1.12E-07	-0.03877	0.40326	0.030738	0.50756	0.017465	0.7066	-0.15654
0.000942	0.9838	0.008422	0.85596	-0.00083	0.98579	-0.1093	0.01814	-0.08551
0.171046	0.0002	0.029813	0.52043	0.12572	0.00652	0.036239	0.43464	0.131138
-0.04659	0.3151	0.001711	0.97059	0.022521	0.62736	-0.04423	0.34023	0.025621
0.028859	0.53388	0.042815	0.35591	0.046567	0.3153	0.032081	0.48919	0.046895
0.026638	0.56582	-0.10135	0.02852	0.004104	0.92951	-0.25562	2.11E-08	-0.29437
-0.13131	0.00448	-0.0637	0.16938	-0.06315	0.17308	-0.05552	0.23109	-0.10118
0.007498	0.87162	-0.09523	0.03967	-0.04604	0.3208	-0.06539	0.1583	-0.25808
0.194132	2.40E-05	0.080315	0.08296	0.115737	0.01232	-0.01272	0.78399	-0.1386
-0.14631	0.00152	-0.13549	0.00335	-0.15286	0.00092	-0.08297	0.07324	-0.06023
-0.04777	0.30289	-0.00869	0.85135	-0.02201	0.63524	-0.08677	0.06098	-0.22114
0.082109	0.07629	-0.04348	0.34845	0.03493	0.45141	-0.30853	9.33E-12	-0.227
-0.17953	9.58E-05	-0.23206	3.96E-07	-0.06452	0.16393	-0.241	1.35E-07	-0.13961
0.314844	3.32E-12	0.140156	0.0024	0.255427	2.17E-08	0.030027	0.51744	-0.0161
0.032024	0.48996	0.014714	0.75113	0.011724	0.80052	-0.03496	0.451	-0.20056
-0.03069	0.50823	-0.00074	0.98731	0.088303	0.05654	-0.19057	3.39E-05	-0.38798
0.23706	2.18E-07	0.277855	1.00E-09	0.195207	2.16E-05	0.142028	0.00209	0.211322
0.103762	0.02494	0.075833	0.10169	0.083143	0.07265	0.042826	0.35579	-0.00538
0.059634	0.19831	0.035177	0.44822	0.021204	0.64764	0.017066	0.713	-0.01659
-0.00116	0.98011	0.00323	0.94449	0.033204	0.4741	-0.26062	1.09E-08	-0.24337
-0.04325	0.35103	-0.04935	0.28726	-0.03235	0.48557	-0.13278	0.00405	-0.12108
0.075521	0.10311	0.032519	0.48328	0.026761	0.56403	-0.05996	0.19589	-0.09449
-0.16799	0.00027	-0.03779	0.41521	-0.04106	0.37602	-0.19215	2.91E-05	-0.10357
0.006135	0.89481	0.01002	0.82901	0.108608	0.01889	-0.01692	0.71527	0.125317
-0.00645	0.88948	0.031522	0.49679	0.077826	0.09298	0.017793	0.70134	0.020903
0.273464	1.87E-09	0.274371	1.65E-09	0.294374	8.65E-11	0.105866	0.02213	0.192938
0.212172	3.74E-06	0.193603	2.53E-05	0.193601	2.53E-05	0.074828	0.10632	0.109101
0.125169	0.00676	0.074732	0.10677	0.139075	0.0026	-0.05387	0.24527	-0.15738
-0.11816	0.0106	-0.20082	1.23E-05	-0.23614	2.44E-07	-0.09488	0.04042	-0.12492
0.210046	4.69E-06	0.180732	8.58E-05	0.170037	0.00022	0.051944	0.2626	0.024663
0.166906	0.00029	0.105681	0.02237	-0.15098	0.00106	0.25614	1.97E-08	0.28025
0.12097	0.00888	0.043112	0.35258	0.100009	0.03071	0.078123	0.09174	0.054537
0.141454	0.00218	0.008608	0.85281	0.155549	0.00074	0.029528	0.52443	0.197721

0.112485	0.01501	0.01177	0.79974	-0.00915	0.84366	-0.00368	0.9368	-0.05552
-0.01263	0.78553	-0.00902	0.84583	-0.10288	0.0262	0.107928	0.01965	0.122397
0.003305	0.94321	-0.2229	1.14E-06	-0.20309	9.72E-06	-0.06288	0.17492	-0.08395
0.073801	0.11122	0.143591	0.00187	0.07038	0.12883	-0.08228	0.07567	0.072534
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-0.13285	0.00403	-0.07165	0.12204	-0.15628	0.0007	-0.14896	0.00124	-0.14493
0.329928	2.54E-13	0.18225	7.46E-05	0.23644	2.35E-07	0.110108	0.0173	-0.09437
0.364794	3.81E-16	0.121289	0.0087	0.059602	0.19855	0.166042	0.00031	0.359046
-0.10498	0.02328	-0.07592	0.1013	-0.04667	0.31423	-0.13387	0.00375	-0.11761
0.260461	1.11E-08	0.092347	0.04609	0.123872	0.00736	0.192073	2.93E-05	0.336547
0.35957	1.06E-15	0.178843	0.0001	0.21446	2.92E-06	0.135708	0.0033	0.084577
0.411148	1.78E-20	0.041557	0.37023	0.115137	0.01278	0.062633	0.17663	-0.14784
0.190963	3.27E-05	0.028994	0.53196	-0.01496	0.74709	0.084904	0.06678	-0.16655
-0.02121	0.64754	-0.05553	0.231	0.104021	0.02458	-0.04869	0.2937	-0.07069
0.158466	0.00059	0.030407	0.51216	0.103644	0.0251	-0.00504	0.91346	0.048741
0.229738	5.20E-07	0.173648	0.00016	0.188987	3.95E-05	0.114608	0.0132	-0.15258
0.246922	6.46E-08	0.109063	0.01839	0.090084	0.05172	0.116119	0.01203	-0.11396
-0.11252	0.01498	-0.06503	0.16061	0.020694	0.65557	-0.02377	0.60841	0.210364
0.146333	0.00152	0.274123	1.70E-09	0.171315	0.0002	0.110893	0.01651	0.04321
-0.16963	0.00023	-0.18692	4.82E-05	-0.15845	0.00059	-0.2183	1.91E-06	-0.37012
0.320145	1.37E-12	0.21597	2.47E-06	0.152182	0.00097	0.316062	2.71E-12	0.411061
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0.219763	1.63E-06	0.239215	1.68E-07	0.279897	7.47E-10	0.144299	0.00177	-0.05834
0.060148	0.19446	0.262873	8.06E-09	0.184703	5.94E-05	0.116677	0.01163	0.283452
0.272706	2.08E-09	0.135385	0.00337	0.129575	0.00504	0.128628	0.00537	0.088073
0.165694	0.00032	0.167215	0.00028	0.189179	3.88E-05	-0.12268	0.00795	-0.1444
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-0.01843	0.69124	0.064278	0.16551	0.142372	0.00204	-0.04154	0.37043	-0.03995
0.167535	0.00028	-0.08845	0.05613	-0.04615	0.31965	-0.17012	0.00022	-0.2447
0.112459	0.01504	-0.01146	0.80493	0.015748	0.73429	0.087452	0.05897	-0.02614
0.133688	0.0038	-0.05739	0.21574	0.011715	0.80066	0.144432	0.00175	-0.06808
0.104476	0.02395	0.088706	0.05542	0.081758	0.07756	0.10944	0.01799	-0.00485
0.083428	0.07167	0.073881	0.11083	0.104728	0.02361	0.052736	0.25538	-0.01212
0.18492	5.82E-05	0.030728	0.50771	0.055842	0.22841	0.165839	0.00032	-0.01594
0.165436	0.00033	0.25743	1.67E-08	0.254511	2.44E-08	0.003565	0.93875	-0.03708
0.314468	3.53E-12	0.25826	1.49E-08	0.275866	1.33E-09	0.145987	0.00156	-0.04722
0.040032	0.38807	-0.16316	0.0004	0.055038	0.23519	-0.08264	0.07439	-0.10927
0.008656	0.85201	0.086045	0.06318	0.10434	0.02414	0.094245	0.04178	0.150974
0.040431	0.38335	-0.02524	0.58645	-0.01143	0.80549	-0.01689	0.7158	-0.15456
-0.15305	0.00091	-0.00164	0.97186	-0.03194	0.49116	-0.13942	0.00253	-0.2401
0.028177	0.54359	0.158774	0.00057	0.141534	0.00217	-0.13398	0.00372	-0.20271
0.21554	2.59E-06	0.215219	2.68E-06	0.255872	2.04E-08	-0.01287	0.78152	0.052078
0.128415	0.00545	0.016758	0.71795	-0.08932	0.05374	0.110478	0.01692	0.008074
0.186619	4.95E-05	0.328392	3.33E-13	0.261508	9.68E-09	0.107034	0.0207	0.218478
0.146415	0.00151	-0.03164	0.49513	-0.01794	0.69906	0.016127	0.72815	-0.21577

0.240427	1.45E-07	0.150764	0.00108	-0.05705	0.2185	0.251944	3.40E-08	0.141814
0.20529	7.74E-06	0.317933	1.98E-12	0.183329	6.75E-05	0.147678	0.00137	0.213381
0.229308	5.47E-07	0.234017	3.14E-07	0.039419	0.39538	0.34062	3.77E-14	0.207217
-0.06762	0.14453	-0.02095	0.65156	-0.06809	0.14178	-0.01115	0.81002	0.016194
0.257625	1.62E-08	0.104764	0.02357	0.102207	0.0272	0.121977	0.00832	0.083576
0.032117	0.4887	-0.15973	0.00053	-0.15101	0.00106	0.107023	0.02071	0.089624
0.023708	0.60932	0.182186	7.50E-05	0.080875	0.08083	-0.10025	0.0303	-0.09603
0.110554	0.01685	0.278151	9.60E-10	0.171648	0.00019	-0.02283	0.62272	-0.01478
0.168903	0.00025	0.127914	0.00564	0.045242	0.32928	0.130254	0.00481	0.113423
0.161217	0.00047	-0.04706	0.31021	0.12649	0.0062	0.079339	0.08678	-0.18294
0.292687	1.12E-10	0.024186	0.60213	0.221743	1.30E-06	0.134903	0.00349	-0.08663
-0.15107	0.00106	-0.17057	0.00021	0.045578	0.32569	-0.20357	9.25E-06	-0.30118
0.139804	0.00246	0.00046	0.99209	-0.02094	0.65169	0.044438	0.33795	-0.14281
0.203126	9.69E-06	0.156946	0.00066	0.10454	0.02387	0.03655	0.43069	-0.11808
0.142623	0.002	0.236922	2.22E-07	0.287081	2.60E-10	0.038856	0.40217	0.061609
-0.10771	0.0199	-0.21731	2.13E-06	-0.21107	4.20E-06	-0.06081	0.18957	-0.12564
0.162205	0.00043	0.203252	9.56E-06	0.109347	0.01809	0.306808	1.23E-11	0.263035
0.018739	0.68628	0.068126	0.14157	-0.02699	0.56073	0.018978	0.6825	-0.12718
-0.14766	0.00137	0.004025	0.93086	-0.22553	8.47E-07	-0.13448	0.00359	-0.07591
0.065368	0.15844	0.25722	1.71E-08	0.213881	3.11E-06	-0.03907	0.39957	0.006233
0.192102	2.93E-05	0.139559	0.00251	0.270507	2.83E-09	0.090561	0.05049	-0.10688
-0.18272	7.14E-05	-0.21966	1.65E-06	-0.20317	9.64E-06	-0.2105	4.47E-06	-0.15365
0.029558	0.524	0.17844	0.00011	0.104712	0.02364	0.125735	0.00651	0.043705
0.164587	0.00035	0.013817	0.76586	0.071362	0.12357	-0.00938	0.83973	-0.20217
0.099199	0.03209	0.080692	0.08152	0.049956	0.28133	-0.10475	0.02358	-0.07386
-0.06121	0.18668	-0.17263	0.00018	-0.19637	1.92E-05	-0.08447	0.06819	-0.08317
0.095448	0.03922	-0.23474	2.88E-07	0.008986	0.84643	-0.08477	0.0672	-0.32914
0.042221	0.36263	0.079927	0.08446	0.106193	0.02172	-0.07262	0.11706	-0.14523
-0.02604	0.57463	-0.04903	0.29037	-0.00666	0.88593	-0.08287	0.07359	-0.12314
0.056614	0.22203	0.059218	0.20146	0.096958	0.03621	-0.07972	0.08528	-0.11168
0.263648	7.26E-09	0.271462	2.48E-09	0.272028	2.29E-09	0.267091	4.54E-09	0.455151
0.120975	0.00887	0.253727	2.70E-08	0.078296	0.09102	0.197149	1.78E-05	0.102384
0.135549	0.00334	0.10786	0.01973	0.053903	0.245	0.061304	0.18601	0.093199
0.200954	1.21E-05	0.32601	5.03E-13	0.166246	0.00031	0.076869	0.09708	0.217895
0.018314	0.69304	-0.33605	8.60E-14	-0.11661	0.01167	-0.18076	8.56E-05	-0.39045
0.087097	0.06001	-0.23442	2.99E-07	-0.18401	6.33E-05	-0.01998	0.66668	-0.27228
0.209173	5.15E-06	0.331625	1.89E-13	0.252216	3.29E-08	0.273597	1.84E-09	0.396573
0.022914	0.62137	0.104794	0.02353	0.085572	0.06465	0.113433	0.01418	0.069246
0.354678	2.73E-15	0.226519	7.56E-07	0.108377	0.01915	0.11072	0.01668	0.109933
-0.00885	0.84875	0.215258	2.67E-06	0.135821	0.00327	0.019845	0.66884	0.060374
0.102225	0.02718	0.124451	0.00709	0.175185	0.00014	-0.08744	0.05902	-0.05254
0.235695	2.57E-07	0.230505	4.76E-07	0.293202	1.04E-10	-0.01986	0.66867	-0.0397
-0.11387	0.01381	-0.07402	0.11017	-0.10288	0.0262	0.151576	0.00102	-0.03596
0.213911	3.10E-06	-0.04924	0.28831	0.083877	0.07015	0.092247	0.04633	-0.2721
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-0.09047	0.05071	-0.2077	6.02E-06	-0.12425	0.00718	-0.10706	0.02066	-0.16611
0.16598	0.00032	0.155997	0.00072	0.124443	0.00709	0.025175	0.58737	0.022154
-0.02364	0.61031	-0.27206	2.28E-09	-0.30325	2.17E-11	-0.17837	0.00011	-0.27245
0.373391	6.75E-17	0.249455	4.68E-08	0.229733	5.21E-07	0.338457	5.58E-14	0.288393
-0.10891	0.01856	-0.22476	9.25E-07	-0.1834	6.71E-05	-0.18109	8.31E-05	-0.4124
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0.192237	2.89E-05	0.33365	1.32E-13	0.218008	1.98E-06	0.094408	0.04142	0.162835
0.267557	4.26E-09	0.300253	3.48E-11	0.226468	7.60E-07	0.219225	1.73E-06	0.116275
0.123478	0.00755	0.119114	0.00999	0.115987	0.01213	0.084753	0.06726	-0.00698
0.262318	8.68E-09	0.082214	0.07591	0.141068	0.00225	0.021787	0.63863	-0.23006
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-0.02077	0.65443	-0.2471	6.31E-08	-0.23611	2.45E-07	0.055734	0.22932	-0.00194
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-0.2052	7.82E-06	-0.18184	7.75E-05	-0.21593	2.48E-06	-0.12699	0.006	-0.19943
-0.04482	0.33377	-0.09677	0.03656	-0.0482	0.29862	-0.11231	0.01518	-0.15604
0.382865	9.43E-18	0.127811	0.00568	0.125812	0.00648	0.176904	0.00012	0.004133
0.216453	2.35E-06	0.335042	1.03E-13	0.227717	6.58E-07	0.157208	0.00065	0.299322
-0.04289	0.35503	-0.02821	0.54315	-0.01715	0.71169	-0.03685	0.42696	-0.04801
0.051277	0.26879	-0.01991	0.66776	0.083539	0.07129	-0.16304	0.0004	-0.2429
0.192049	2.94E-05	0.035889	0.43908	0.153195	0.0009	-0.126	0.0064	-0.10726
0.14478	0.00171	0.208113	5.76E-06	0.2441	9.20E-08	0.242808	1.08E-07	0.211787
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0.157374	0.00064	0.242757	1.09E-07	0.18303	6.94E-05	0.134785	0.00352	0.301342
-0.11265	0.01486	0.022763	0.62367	0.044854	0.33345	-0.06597	0.15464	0.024506
-0.10501	0.02324	-0.12959	0.00503	-0.16453	0.00036	0.084744	0.06729	0.255758
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-0.23136	4.30E-07	-0.10418	0.02436	-0.12894	0.00526	-0.22664	7.45E-07	-0.062
-0.09136	0.04848	-0.03316	0.47469	-0.09641	0.03728	-0.14395	0.00182	-0.06261
-0.13803	0.0028	-0.0985	0.03333	-0.17933	9.75E-05	-0.01397	0.76333	0.035564
-0.10434	0.02414	0.101643	0.02807	0.038819	0.40262	0.032948	0.47752	0.145702
-0.20165	1.13E-05	-0.15715	0.00065	-0.12299	0.00779	-0.11686	0.01149	0.007227
-0.24348	9.93E-08	-0.14372	0.00185	-0.12737	0.00584	-0.1937	2.50E-05	-0.05622
-0.20793	5.87E-06	-0.2396	1.60E-07	-0.29553	7.25E-11	-0.16741	0.00028	-0.1134
-0.2522	3.29E-08	-0.19073	3.34E-05	-0.03343	0.47109	-0.14188	0.00212	-0.034
-0.11568	0.01236	-0.1863	5.11E-05	-0.05916	0.20189	-0.04634	0.31762	0.008183
-0.36324	5.18E-16	-0.35575	2.23E-15	-0.34226	2.79E-14	-0.19026	3.50E-05	-0.1352
0.12554	0.0066	0.1621	0.00044	0.199333	1.43E-05	0.078804	0.08893	0.082449
-0.15276	0.00093	-0.13695	0.00302	-0.13308	0.00396	-0.11228	0.0152	-0.11677
-0.07242	0.11809	0.023366	0.6145	-0.00278	0.95217	-0.03629	0.434	0.133121
-0.11477	0.01307	-0.11964	0.00966	-0.04141	0.37195	-0.09258	0.04555	-0.10755
-0.13088	0.00461	-0.02816	0.54385	-0.08137	0.079	-0.04098	0.37691	-0.07838
-0.12042	0.00919	-0.02161	0.64128	0.022992	0.62018	-0.07691	0.09692	0.05782
-0.28607	3.02E-10	-0.16809	0.00026	-0.19929	1.43E-05	-0.11448	0.01331	0.00771

-0.23698	2.20E-07	-0.11769	0.01092	-0.12361	0.00749	-0.14008	0.00241	-0.11871
-0.25582	2.06E-08	-0.23866	1.80E-07	-0.28685	2.69E-10	-0.16663	0.0003	-0.05039
-0.01575	0.73425	0.058111	0.21003	0.05688	0.21987	0.012459	0.78829	0.092817
-0.02264	0.62551	-0.02566	0.58018	-0.01289	0.78118	-0.01849	0.69022	0.096205
-0.13834	0.00274	-0.16671	0.0003	-0.04588	0.32247	-0.11795	0.01074	-0.05184
-0.01518	0.74347	-0.04038	0.38394	0.041381	0.37227	0.030707	0.50799	0.057747
-0.19417	2.39E-05	-0.1965	1.90E-05	-0.20063	1.25E-05	-0.17521	0.00014	-0.13055
-0.17943	9.67E-05	-0.11695	0.01143	-0.18267	7.17E-05	-0.06426	0.16563	0.095452
-0.13381	0.00377	-0.01675	0.71815	-0.05274	0.25536	-0.05735	0.21605	0.058374
-0.15304	0.00091	-0.12648	0.0062	-0.12654	0.00618	-0.0896	0.053	0.025869
-0.20823	5.69E-06	-0.25367	2.72E-08	-0.20085	1.22E-05	-0.13329	0.00391	-0.05681
-0.001	0.9828	0.149265	0.00122	0.152276	0.00096	0.04444	0.33793	0.177897
-0.16808	0.00026	-0.13024	0.00482	0.020435	0.65959	-0.12078	0.00898	-0.06213
0.019686	0.67134	0.020969	0.65129	0.03414	0.46173	0.009206	0.84272	0.114528
-0.27199	2.30E-09	-0.28067	6.68E-10	-0.26931	3.34E-09	-0.14526	0.00165	-0.02633
-0.18294	7.00E-05	-0.15044	0.00111	-0.15072	0.00109	-0.09771	0.03479	0.068463
0.009785	0.83297	0.033906	0.4648	0.037695	0.41639	-0.00853	0.85406	0.175837
-0.1517	0.00101	0.040358	0.38421	0.025884	0.57688	-0.05926	0.20117	0.115578
-0.11433	0.01343	-0.07048	0.12828	-0.10128	0.02864	-0.06895	0.13678	0.051516
-0.09818	0.03391	-0.03131	0.49973	-0.00471	0.91913	-0.02004	0.66573	0.124637
-0.22597	8.05E-07	-0.24617	7.10E-08	-0.25738	1.68E-08	-0.10102	0.02905	-0.06327
-0.23574	2.55E-07	-0.20369	9.14E-06	-0.16834	0.00026	-0.17466	0.00015	-0.06878
-0.30438	1.81E-11	-0.33777	6.31E-14	-0.25381	2.67E-08	-0.2378	1.99E-07	-0.15929
-0.16968	0.00023	-0.27399	1.74E-09	-0.18989	3.62E-05	-0.20457	8.35E-06	-0.18823
-0.14251	0.00202	-0.15496	0.00078	-0.1374	0.00293	-0.09484	0.04049	-0.00743
-0.28762	2.40E-10	-0.19248	2.82E-05	-0.20859	5.48E-06	-0.20122	1.18E-05	-0.23123
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-0.11624	0.01194	0.075572	0.10287	0.012426	0.78884	0.02457	0.59637	0.22554
-0.05414	0.24296	0.292808	1.10E-10	0.140472	0.00235	0.028712	0.53596	0.167911
-0.14977	0.00117	-0.03193	0.49123	0.050175	0.27922	-0.0981	0.03406	-0.0164
-0.23224	3.88E-07	-0.34356	2.20E-14	-0.26173	9.39E-09	-0.17547	0.00014	-0.16734
-0.12587	0.00646	-0.03292	0.47784	0.054497	0.23983	-0.03818	0.41044	-0.12627
-0.00543	0.9069	0.017617	0.70416	-0.01617	0.72739	-0.02556	0.58172	0.069089
-0.23487	2.84E-07	-0.21887	1.79E-06	-0.19786	1.66E-05	-0.15337	0.00088	-0.06255
-0.11619	0.01198	-0.11767	0.01093	-0.10892	0.01855	-0.07092	0.12592	0.058196
-0.24763	5.90E-08	-0.2055	7.57E-06	-0.2231	1.12E-06	-0.14512	0.00167	-0.06603
-0.00182	0.96866	-0.02852	0.53871	-0.11404	0.01367	-0.00217	0.96272	0.126455
0.095141	0.03986	-0.00704	0.87935	-0.01169	0.8011	0.039678	0.39228	0.142943
-0.20018	1.31E-05	-0.23077	4.61E-07	-0.17145	0.0002	-0.12469	0.00698	-0.0582
-0.06273	0.17596	-0.08736	0.05923	0.011215	0.80901	-0.10533	0.02282	-0.07293
-0.00813	0.86088	0.025292	0.58562	0.053735	0.24648	0.006157	0.89443	0.139916
-0.31012	7.21E-12	-0.17304	0.00017	-0.185	5.77E-05	-0.18693	4.81E-05	-0.14205
0.009915	0.83079	0.130356	0.00478	0.102817	0.02629	0.01586	0.73247	0.230311
-0.31465	3.43E-12	-0.42186	1.41E-21	-0.40701	4.64E-20	-0.19835	1.58E-05	-0.19334

0.227396	6.83E-07	0.030739	0.50756	0.00116	0.98006	0.050688	0.27433	0.262997
-0.21931	1.71E-06	-0.22151	1.34E-06	-0.24051	1.43E-07	-0.0882	0.05683	0.025046
-0.1052	0.02299	-0.18104	8.34E-05	-0.12617	0.00633	-0.02582	0.5778	0.068043
0.014121	0.76086	0.00681	0.88332	-0.12149	0.00859	0.150156	0.00114	0.276888
-0.01761	0.70426	0.036164	0.43558	-0.00201	0.96544	-0.0017	0.97086	0.016027
-0.0455	0.32648	-0.04539	0.32766	0.045673	0.32469	-0.03978	0.39109	0.098923
-0.37028	1.27E-16	-0.2387	1.79E-07	-0.23007	5.01E-07	-0.24133	1.30E-07	-0.21339
-0.14477	0.00171	-0.10214	0.02731	-0.07353	0.11254	-0.15324	0.00089	-0.08007
-0.05114	0.2701	-0.03343	0.4711	-0.0771	0.09607	0.015095	0.74491	0.115476
-0.21345	3.25E-06	-0.31576	2.85E-12	-0.31213	5.19E-12	-0.11521	0.01272	0.051911
-0.20607	7.14E-06	-0.09496	0.04024	-0.07522	0.10449	-0.09904	0.03237	-0.05131
-0.10389	0.02476	0.026855	0.56266	0.068167	0.14133	-0.0482	0.29862	0.080973
-0.0707	0.1271	-0.01348	0.7714	0.006046	0.89633	-0.03607	0.43684	0.061136
-0.09601	0.03807	0.000439	0.99245	0.000674	0.98841	-0.04441	0.33828	0.053466
-0.07533	0.104	-0.03528	0.44688	0.013118	0.77738	-0.05874	0.20512	0.027639
-0.09688	0.03635	0.068744	0.13799	0.037256	0.42184	-0.00089	0.98475	0.085404
-0.11593	0.01218	-0.07663	0.09814	-0.06668	0.15026	-0.08398	0.06981	0.009627
-0.14064	0.00232	-0.24433	8.94E-08	-0.11217	0.01531	-0.22494	9.06E-07	-0.20736
-0.12023	0.0093	-0.21923	1.73E-06	-0.08232	0.07554	-0.09188	0.0472	-0.06454
0.088418	0.05622	0.04986	0.28225	0.063727	0.16917	0.062182	0.17977	0.168171
-0.03757	0.41798	-0.02604	0.57459	0.040936	0.37744	-0.03184	0.49242	0.054672
-0.4169	4.62E-21	-0.27163	2.42E-09	-0.37745	2.93E-17	-0.20317	9.65E-06	-0.15796
-0.33945	4.66E-14	-0.26165	9.50E-09	-0.29383	9.41E-11	-0.22209	1.25E-06	-0.21257
-0.25283	3.04E-08	-0.19046	3.43E-05	-0.24577	7.46E-08	-0.13559	0.00333	-0.08603
0.000454	0.9922	-0.15124	0.00104	-0.05136	0.26799	-0.06474	0.1625	0.041295
-0.01122	0.8089	0.181655	7.88E-05	0.115475	0.01252	0.046142	0.31973	0.21861
0.176981	0.00012	0.283945	4.14E-10	0.369718	1.42E-16	0.127869	0.00565	0.267727
-0.08107	0.08009	-0.2116	3.97E-06	-0.09225	0.04632	-0.1084	0.01912	-0.03041
-0.10924	0.0182	-0.14657	0.00149	-0.00257	0.95583	-0.02738	0.55502	-0.00817
-0.23884	1.76E-07	-0.24374	9.62E-08	-0.22827	6.17E-07	-0.20832	5.64E-06	-0.08939
-0.06358	0.17014	0.009087	0.84472	0.031097	0.50262	-0.0515	0.26674	0.080435
-0.16224	0.00043	-0.06945	0.13396	-0.20837	5.60E-06	-0.03835	0.40828	0.119886
-0.16555	0.00033	-0.22621	7.84E-07	-0.24519	8.02E-08	-0.10517	0.02303	-0.07592
-0.23127	4.35E-07	-0.20137	1.16E-05	-0.28241	5.18E-10	-0.10981	0.01761	-0.0627
-0.06853	0.13921	0.047161	0.30915	-0.06871	0.13816	-0.01156	0.80332	0.100097
-0.32934	2.82E-13	-0.26877	3.60E-09	-0.29843	4.63E-11	-0.18956	3.74E-05	-0.15989
-0.46106	5.88E-26	-0.47246	2.42E-27	-0.43277	9.72E-23	-0.32165	1.06E-12	-0.34807
-0.14944	0.0012	-0.05935	0.20046	-0.10947	0.01796	-0.12381	0.00739	0.081826
0.004264	0.92678	-0.06267	0.17638	-0.00906	0.84525	-0.03619	0.43529	0.061165
0.03263	0.48178	0.063784	0.16879	0.06925	0.1351	0.042471	0.3598	0.160858
-0.04158	0.36993	-0.10614	0.02178	-0.1313	0.00448	-0.01347	0.77163	0.018765
-0.07512	0.10497	0.062075	0.18052	0.003379	0.94195	0.032632	0.48176	0.227808
-0.14737	0.00141	-0.11183	0.01562	-0.08431	0.06871	-0.11137	0.01605	-0.04903
-0.11637	0.01185	-0.15979	0.00053	-0.12009	0.00938	-0.08875	0.05531	0.016484
0.10655	0.02128	0.117521	0.01103	0.152388	0.00095	0.042454	0.35998	0.095673

-0.11887	0.01014	-0.18678	4.88E-05	-0.10621	0.02171	-0.10809	0.01947	-0.02748
-0.15335	0.00089	0.028333	0.54136	0.032356	0.48548	-0.07566	0.10245	0.054709
-0.08844	0.05616	-0.09143	0.0483	0.022831	0.62263	-0.09548	0.03916	-0.07312
-0.16272	0.00041	-0.00285	0.95099	-0.01763	0.704	-0.06763	0.14452	0.061015
-0.05011	0.27989	-0.12986	0.00494	-0.05595	0.22754	-0.06833	0.14037	-0.02013
0.035019	0.45027	0.020922	0.65202	0.05593	0.22768	0.010464	0.82157	0.185227
-0.20344	9.38E-06	-0.19348	2.56E-05	-0.21056	4.44E-06	-0.16697	0.00029	0.011986
-0.02451	0.59722	-0.03929	0.39695	0.067542	0.14502	-0.01736	0.70835	0.069301
-0.03782	0.41482	0.029696	0.52207	0.055728	0.22936	0.007755	0.86727	0.075735
-0.27728	1.09E-09	-0.40553	6.50E-20	-0.32756	3.84E-13	-0.21078	4.34E-06	-0.09009
-0.01888	0.68409	-0.15953	0.00054	-0.28833	2.16E-10	0.056022	0.22691	0.086834
-0.15022	0.00113	-0.07789	0.0927	-0.04787	0.30197	-0.08102	0.08029	0.085116
0.038362	0.40818	0.221045	1.41E-06	0.201519	1.14E-05	0.070143	0.13013	0.243966
-0.04592	0.32211	-0.088	0.0574	-0.12694	0.00602	0.033434	0.47105	0.056632
0.072677	0.11678	0.072393	0.11822	0.194554	2.30E-05	0.041923	0.36603	0.01232
-0.0739	0.11075	-0.06016	0.19437	-0.06298	0.17427	-0.06397	0.16752	0.064888
-0.23741	2.09E-07	0.029096	0.53051	-0.11674	0.01158	-0.03212	0.48869	0.147921
-0.01942	0.67552	0.106442	0.02141	0.037373	0.42038	0.039784	0.39101	0.134935
-0.0395	0.39436	0.089808	0.05244	0.014992	0.74659	0.008196	0.8598	0.145318
-0.01749	0.70613	0.140743	0.0023	0.10665	0.02116	0.037025	0.42472	0.146802
0.059975	0.19575	0.18473	5.92E-05	0.135704	0.0033	0.047823	0.3024	0.155592
-0.17619	0.00013	-0.20101	1.20E-05	-0.2403	1.47E-07	-0.10642	0.02144	-0.18619
-0.14195	0.00211	-0.13583	0.00327	-0.12967	0.00501	-0.05984	0.19678	-0.00919
-0.21531	2.66E-06	-0.03092	0.50511	-0.00621	0.89359	-0.17117	0.0002	-0.15467
0.034018	0.46333	0.05859	0.20629	0.132088	0.00425	-0.00014	0.99752	0.119088
-0.07337	0.11334	-0.16598	0.00032	-0.10752	0.02012	-0.0714	0.12335	-0.01376
0.013746	0.76702	0.128711	0.00534	0.035127	0.44887	0.026962	0.5611	0.243227
-0.18524	5.64E-05	-0.25326	2.87E-08	-0.19496	2.21E-05	-0.14477	0.00171	-0.1136
-0.17511	0.00014	-0.09448	0.04128	-0.04015	0.38665	-0.11373	0.01392	-0.01333
-0.20213	1.07E-05	-0.25171	3.51E-08	-0.23407	3.12E-07	-0.3316	1.90E-13	-0.31679
-0.27332	1.91E-09	-0.25801	1.54E-08	-0.24538	7.84E-08	-0.15841	0.00059	-0.25741
-0.20954	4.95E-06	-0.17995	9.22E-05	-0.12734	0.00586	-0.16863	0.00025	-0.12505
-0.19721	1.77E-05	-0.03768	0.41661	-0.08298	0.0732	-0.08177	0.0775	-0.17191
-0.18169	7.85E-05	0.003134	0.94615	-0.08371	0.07072	0.002002	0.96559	0.194171
-0.09028	0.0512	0.020362	0.66073	0.003466	0.94046	-0.04138	0.37232	0.081197
-0.11028	0.01712	-0.20733	6.25E-06	-0.04471	0.335	-0.15051	0.0011	-0.1282
-0.02216	0.63292	-0.06619	0.15327	0.01757	0.70491	-0.15827	0.0006	-0.11953
-0.24262	1.10E-07	-0.24711	6.30E-08	-0.22438	9.66E-07	-0.14004	0.00242	-0.04426
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-0.23568	2.58E-07	-0.25302	2.96E-08	-0.19353	2.54E-05	-0.17301	0.00017	-0.10128
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-0.03912	0.39896	-0.07345	0.11293	0.022926	0.62118	-0.09293	0.04474	-0.01618
-0.05278	0.25499	-0.025	0.58996	0.02362	0.61066	-0.01235	0.79012	0.084177
-0.21153	4.00E-06	-0.01934	0.67672	-4.82E-05	0.99917	-0.12483	0.00692	-0.10878

-0.10726	0.02042	-0.19027	3.50E-05	-0.16127	0.00047	-0.18305	6.93E-05	-0.19613
0.080528	0.08214	0.137501	0.00291	0.203276	9.54E-06	0.055878	0.22811	0.206633
-0.104	0.0246	-0.09808	0.0341	-0.03116	0.50172	-0.08304	0.073	-0.06733
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-0.21353	3.23E-06	-0.08953	0.05317	-0.12788	0.00565	-0.06543	0.15804	0.199559
-0.18933	3.82E-05	-0.24686	6.51E-08	-0.225	9.00E-07	-0.13762	0.00288	-0.07359
0.02897	0.5323	-0.06326	0.17236	-0.04328	0.35068	0.019354	0.67655	0.092872
-0.14146	0.00218	-0.19876	1.51E-05	-0.13181	0.00433	-0.1559	0.00072	-0.09775
-0.12843	0.00544	-0.09369	0.04301	-0.03307	0.47588	-0.0955	0.03912	0.0272
-0.05054	0.27575	-0.10708	0.02064	-0.08024	0.08326	-0.05533	0.2327	0.007269
-0.32991	2.55E-13	-0.31313	4.41E-12	-0.26097	1.04E-08	-0.22092	1.43E-06	-0.20814
-0.19385	2.47E-05	-0.18625	5.13E-05	-0.15228	0.00096	-0.13481	0.00351	-0.03477
-0.05074	0.2738	0.075845	0.10163	0.004362	0.92511	0.005998	0.89714	0.154849
-0.0462	0.31913	-0.11269	0.01483	-0.10079	0.02942	-0.09922	0.03205	-0.25353
-0.12368	0.00745	-0.04524	0.32931	-0.0458	0.32331	-0.10261	0.02661	0.050804
-0.16663	0.0003	-0.21548	2.61E-06	-0.15105	0.00106	-0.20898	5.26E-06	-0.10643
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-0.10925	0.01819	-0.1809	8.45E-05	-0.16722	0.00028	-0.22738	6.84E-07	-0.22278
-0.0642	0.16601	-0.04838	0.29679	-0.00776	0.86711	-0.06618	0.15335	0.037412
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-0.12125	0.00872	-0.14037	0.00236	-0.08999	0.05196	-0.0629	0.17476	0.025273
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-0.04745	0.30619	0.068051	0.142	0.024404	0.59886	-0.01074	0.81695	0.141916
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0.036729	0.42844	0.199569	1.39E-05	0.178401	0.00011	0.086793	0.06091	0.190884
-0.21267	3.54E-06	-0.28048	6.86E-10	-0.26811	3.95E-09	-0.3058	1.45E-11	-0.30717
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-0.144	0.00181	-0.17958	9.54E-05	-0.196	1.99E-05	-0.07043	0.12856	0.015047
-0.11395	0.01374	-0.05761	0.21402	-0.05437	0.24089	-0.07206	0.11995	0.058233
-0.11174	0.0157	-0.03515	0.4486	-0.02036	0.66074	-0.04318	0.35182	0.06741
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-0.08718	0.05976	0.175319	0.00014	0.093523	0.04338	0.014586	0.75324	0.185575
-0.27519	1.47E-09	-0.25529	2.21E-08	-0.22238	1.21E-06	-0.29634	6.40E-11	-0.19807
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-0.10937	0.01807	-0.12622	0.00631	-0.06793	0.14273	-0.14617	0.00154	-0.15668
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0.099899	0.03089	0.249904	4.42E-08	0.210364	4.54E-06	0.125153	0.00677	0.2928
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-0.21371	3.16E-06	-0.17473	0.00015	-0.11213	0.01533	-0.13499	0.00347	-0.09063
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0.058386	0.20788	0.0463	0.31808	0.144869	0.0017	-0.06584	0.15542	0.107007
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0.01183	0.79875	0.116948	0.01143	0.084657	0.06758	0.051567	0.26608	0.192621
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-0.16316	0.0004	-0.03393	0.4645	-0.04792	0.3014	-0.10076	0.02947	-0.192
0.035539	0.44356	0.03766	0.41683	0.029153	0.52971	0.031981	0.49055	0.126078
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-0.2421	1.18E-07	-0.22731	6.90E-07	-0.16604	0.00031	-0.13436	0.00363	-0.11154
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-0.08624	0.06258	0.021242	0.64704	0.12775	0.0057	-0.08211	0.07629	0.015434
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0.085903	0.06362	0.125585	0.00658	0.106945	0.0208	0.082059	0.07647	-0.01704
0.109073	0.01838	0.289351	1.85E-10	0.218719	1.83E-06	0.109511	0.01792	-0.00055
0.025045	0.58929	0.050696	0.27425	0.050095	0.27999	0.057854	0.21205	-0.10278
0.072675	0.11679	0.187222	4.68E-05	0.133826	0.00376	0.081054	0.08016	0.039549
0.063939	0.16776	0.07373	0.11156	0.098028	0.03419	-0.01567	0.73552	-0.10766
0.026288	0.57094	0.136946	0.00302	0.183933	6.38E-05	-0.02167	0.6405	-0.01503
0.067308	0.14642	0.251974	3.39E-08	0.275393	1.42E-09	0.081676	0.07786	0.003316
0.051498	0.26673	0.033135	0.47502	0.034184	0.46115	-0.05182	0.26373	-0.08207
0.165803	0.00032	0.336798	7.53E-14	0.400096	2.22E-19	0.131841	0.00432	0.09012
0.067332	0.14628	0.217616	2.06E-06	0.298244	4.76E-11	0.077685	0.09358	0.011956
0.066965	0.1485	0.001991	0.96578	0.007616	0.86962	-0.00442	0.9241	-0.04624
0.000897	0.98458	-0.05417	0.24263	-0.04358	0.34734	0.005436	0.90673	-0.14751
0.03947	0.39477	0.175694	0.00014	0.184721	5.93E-05	0.095517	0.03908	0.07646
0.06712	0.14755	0.142122	0.00208	0.194228	2.37E-05	0.089614	0.05296	-0.04341
-0.02603	0.5748	-0.01175	0.80008	-0.0379	0.41386	-0.05596	0.22741	-0.10228
0.089076	0.0544	0.050621	0.27496	0.112936	0.01461	-0.00686	0.88252	-0.10277
-0.0394	0.39561	0.006285	0.89225	0.08116	0.07976	2.41E-05	0.99959	-0.13447

-0.02014	0.66429	0.019424	0.67546	0.039811	0.39069	-0.0561	0.22628	-0.07273
0.03375	0.46686	0.028651	0.53682	0.00363	0.93764	0.035248	0.44731	-0.03177
0.052546	0.2571	0.042684	0.35739	0.004813	0.91738	0.043293	0.35056	-0.0258
0.046499	0.316	0.112625	0.01489	0.100212	0.03037	0.060249	0.19371	0.029461
-0.02315	0.61777	-0.0572	0.21729	0.011364	0.80651	-0.06121	0.18667	-0.0572
0.07007	0.13053	0.061447	0.18498	0.043587	0.3473	0.049969	0.2812	-0.01424
0.135222	0.00341	0.187157	4.71E-05	0.188174	4.27E-05	-0.04167	0.36889	-0.00416
0.052534	0.25721	0.025207	0.58689	0.02265	0.62539	-0.0289	0.53326	-0.0526
0.033511	0.47002	0.168136	0.00026	0.177455	0.00012	0.044796	0.33407	-0.02177
0.064518	0.16393	0.061107	0.18743	0.090503	0.05064	0.061911	0.18168	-0.06697
-0.00897	0.8467	-0.02058	0.65736	-0.01564	0.736	-0.03565	0.44219	-0.0795
0.046215	0.31897	0.112862	0.01468	0.13092	0.0046	0.004032	0.93075	-0.00815
0.052077	0.26138	0.033531	0.46976	0.062059	0.18063	0.070078	0.13049	-0.04246
0.0549	0.23637	0.068395	0.14	0.071656	0.12202	0.054004	0.24411	-0.03479
0.054561	0.23928	0.046881	0.31205	0.074785	0.10652	0.046297	0.31811	-0.07206
-0.02166	0.64066	-0.04771	0.30354	-0.05542	0.23199	-0.03933	0.39649	-0.10993
0.035143	0.44866	0.037616	0.41736	0.020362	0.66074	0.004516	0.92247	-0.03237
-0.03604	0.43718	-0.01919	0.67912	-0.0499	0.28185	-0.02003	0.66589	-0.03561
0.029752	0.52129	0.026468	0.56831	0.019189	0.67917	0.002603	0.95526	-0.05925
0.051281	0.26875	0.072085	0.1198	0.084326	0.06866	0.06722	0.14695	-0.04364
0.040131	0.38689	0.042629	0.35801	0.045474	0.3268	0.062972	0.17429	-0.036
0.075382	0.10374	0.121886	0.00837	0.113524	0.0141	0.046082	0.32037	0.002684
0.073999	0.11026	0.076939	0.09678	0.082104	0.07631	0.060346	0.19299	-0.03689
0.040893	0.37794	0.041272	0.37352	0.090428	0.05083	0.034054	0.46286	-0.10088
0.061933	0.18152	0.060076	0.195	0.114541	0.01326	0.019617	0.67242	-0.12102
-0.03289	0.47824	0.144505	0.00174	0.220592	1.48E-06	0.01998	0.66672	-0.03737
0.180788	8.54E-05	0.102919	0.02615	0.095521	0.03907	-0.0047	0.91926	-0.00368
0.062461	0.17782	0.01183	0.79875	0.039242	0.39751	0.061719	0.18304	-0.03912
0.077105	0.09606	0.054817	0.23708	0.036186	0.43531	0.091813	0.04737	-0.01429
0.069952	0.13118	0.068464	0.1396	0.078397	0.0906	0.082596	0.07456	-0.02977
0.084934	0.06668	0.08619	0.06274	0.059811	0.19697	0.104626	0.02375	-0.00125
0.111172	0.01624	0.120349	0.00923	0.171359	0.0002	0.092629	0.04543	-0.00988
0.105863	0.02214	0.114337	0.01342	0.113637	0.01401	0.097445	0.03528	-0.02698
0.005491	0.90579	-0.03016	0.51552	0.064864	0.16168	-0.03888	0.40187	-0.13795
0.08732	0.05936	0.061948	0.18142	0.044926	0.33267	-0.02304	0.61948	-0.04764
0.037974	0.41294	-0.0073	0.87501	0.019316	0.67715	0.039687	0.39218	-0.1549
-0.00041	0.99293	0.125237	0.00673	0.158715	0.00058	0.015175	0.74361	0.027736
0.094593	0.04103	0.130453	0.00475	0.158792	0.00057	0.025336	0.58497	-0.0035
-0.09775	0.03471	0.080864	0.08087	0.078631	0.08964	-0.03913	0.3988	-0.05087
0.144863	0.0017	0.188218	4.26E-05	0.306729	1.25E-11	0.195937	2.01E-05	0.099909
0.185137	5.70E-05	0.101075	0.02896	0.150393	0.00111	0.028717	0.53589	0.117115
0.04085	0.37844	0.24316	1.03E-07	0.298436	4.62E-11	0.055136	0.23436	0.132486
-0.00311	0.94648	-0.02861	0.53734	-0.03503	0.45012	-0.0409	0.37782	0.00742
0.137749	0.00285	0.482828	1.20E-28	0.466933	1.16E-26	0.190503	3.42E-05	0.274785
-0.02477	0.59335	0.015069	0.74534	0.063751	0.16901	-0.06612	0.15367	-0.01768

-0.0703	0.12925	0.016952	0.71482	0.029706	0.52193	-0.05362	0.24752	0.12972
-0.084	0.06974	0.030331	0.51321	-0.00437	0.92496	-0.07323	0.11404	0.006179
0.107	0.02074	0.134354	0.00363	0.187606	4.51E-05	0.095117	0.03991	0.192867
-0.07348	0.11278	0.135637	0.00332	0.089807	0.05244	-0.0576	0.21406	0.027444
-0.00837	0.85676	-0.02524	0.58636	0.065184	0.15962	-0.02775	0.54974	0.071752
0.017272	0.70969	-0.01044	0.82197	0.005382	0.90766	-0.0855	0.06488	-0.00363
-0.01344	0.7721	0.011127	0.81047	0.077671	0.09364	-0.02054	0.65804	0.212958
0.060604	0.19109	0.225641	8.36E-07	0.222386	1.21E-06	-0.01258	0.78633	0.282092
-0.01932	0.67709	0.059392	0.20013	0.035879	0.43922	-0.01433	0.75741	0.091607
0.085225	0.06575	0.195158	2.17E-05	0.195728	2.05E-05	0.095494	0.03913	0.125662
0.056227	0.22521	0.060586	0.19122	0.085721	0.06419	0.014753	0.75049	0.103376
-0.06983	0.13184	0.25457	2.42E-08	0.171289	0.0002	-0.01558	0.73702	0.147945
0.074146	0.10955	0.146035	0.00155	0.166916	0.00029	0.05904	0.20282	0.123535
0.015717	0.73479	0.200129	1.32E-05	0.247524	5.98E-08	-0.14539	0.00163	0.027386
0.004495	0.92283	0.088973	0.05468	0.048078	0.29984	-0.00909	0.84466	0.255853
0.037269	0.42167	0.009905	0.83095	0.022454	0.62839	0.040162	0.38653	0.072286
0.13025	0.00481	0.203693	9.14E-06	0.291067	1.43E-10	0.027418	0.5545	0.068779
0.006593	0.88701	-0.08187	0.07716	-0.09064	0.05028	-0.00036	0.99385	0.004005
0.193965	2.44E-05	0.18223	7.47E-05	0.227788	6.53E-07	0.078936	0.0884	0.157228
0.10178	0.02786	0.174791	0.00015	0.241738	1.23E-07	0.085029	0.06637	0.245521
0.201551	1.14E-05	0.156634	0.00068	0.289394	1.84E-10	0.078423	0.09049	0.157938
-0.12263	0.00798	0.009118	0.8442	0.03527	0.44702	-0.06741	0.14579	0.031867
0.16537	0.00033	0.085464	0.06499	0.183754	6.49E-05	0.040654	0.38074	0.006268
-0.0515	0.26671	0.016068	0.7291	0.119809	0.00956	-0.03721	0.42247	-0.11502
0.006655	0.88595	0.053067	0.2524	0.066189	0.15326	0.094214	0.04184	0.183375
-0.12511	0.00679	-0.0278	0.54903	-0.05499	0.23563	-0.05124	0.26915	0.062666
0.105344	0.0228	0.376539	3.53E-17	0.40397	9.28E-20	0.077795	0.09311	0.232684
0.051542	0.26631	0.03915	0.39862	0.062284	0.17905	0.062084	0.18046	-0.0041
0.085004	0.06645	0.391853	1.37E-18	0.384764	6.30E-18	0.162565	0.00042	0.32969
0.138703	0.00267	0.204086	8.77E-06	0.224391	9.64E-07	0.077381	0.09487	0.150441
-0.07744	0.09462	-0.02976	0.52115	-0.01258	0.78632	-0.05339	0.24949	0.115877
0.035278	0.44692	0.072222	0.11909	0.110521	0.01688	0.021972	0.63578	0.194369
0.122989	0.0078	0.210759	4.35E-06	0.120446	0.00918	0.066944	0.14862	0.290234
0.155979	0.00072	0.206364	6.92E-06	0.282936	4.80E-10	0.087672	0.05833	0.135751
0.112292	0.01519	0.21157	3.99E-06	0.292583	1.14E-10	0.074064	0.10994	0.194612
0.014387	0.75649	0.036221	0.43486	0.00393	0.93249	0.01995	0.66719	0.133578
-0.05429	0.24161	0.084589	0.0678	0.017996	0.6981	0.003556	0.93891	0.219866
-0.00153	0.97376	0.037296	0.42135	0.010415	0.8224	-0.03095	0.50458	0.009659
0.026621	0.56607	0.225207	8.79E-07	0.268885	3.54E-09	0.01269	0.78447	0.079426
0.04666	0.31433	0.159987	0.00052	0.089608	0.05297	0.03711	0.42367	0.163973
-0.05425	0.242	0.080948	0.08056	0.088849	0.05502	-0.05188	0.26322	0.084981
0.154278	0.00082	0.151685	0.00101	0.203272	9.54E-06	0.061473	0.1848	0.205502
0.149111	0.00123	0.248594	5.23E-08	0.292876	1.09E-10	0.120297	0.00926	0.249203
0.238747	1.78E-07	0.274885	1.53E-09	0.269703	3.16E-09	0.163888	0.00038	0.303352
-0.14144	0.00219	-0.00962	0.83574	-0.06132	0.18588	-0.05596	0.22741	0.078596



-0.0815	0.07852	0.03402	0.4633	0.060372	0.1928	-0.06479	0.16213	-0.09811
0.133034	0.00398	0.27901	8.49E-10	0.387836	3.27E-18	0.095592	0.03893	0.186054
-0.07644	0.09895	-0.01506	0.74543	0.059462	0.19961	-0.0799	0.08455	0.048551
0.067069	0.14786	0.200024	1.33E-05	0.247451	6.04E-08	0.042479	0.3597	0.192213
0.120461	0.00917	0.033503	0.47013	-0.00771	0.86807	0.042327	0.36143	0.224632
0.122616	0.00799	0.013074	0.77811	-0.03415	0.46155	-0.01827	0.69377	-0.05297
0.07447	0.108	0.129213	0.00516	0.090143	0.05156	0.098838	0.03273	0.41931
0.162062	0.00044	0.012729	0.78381	0.003415	0.94132	0.012891	0.78114	0.11064
0.122873	0.00785	0.029136	0.52995	-0.0155	0.73831	0.013707	0.76767	0.11052
0.089051	0.05447	0.179013	0.0001	0.168794	0.00025	0.056384	0.22392	0.145995
0.187225	4.68E-05	0.21773	2.04E-06	0.236204	2.42E-07	0.128852	0.00529	0.257483
0.30213	2.59E-11	0.559005	9.69E-40	0.471165	3.51E-27	0.349728	6.99E-15	0.523766
0.063849	0.16836	0.284188	3.99E-10	0.287182	2.56E-10	0.04838	0.2968	0.227523
0.165127	0.00034	0.275849	1.33E-09	0.304796	1.70E-11	0.150376	0.00112	0.340873
-0.14454	0.00174	0.067041	0.14803	0.241237	1.31E-07	-0.1282	0.00553	-0.10555
0.007605	0.86981	-0.02964	0.52289	-0.01544	0.73937	0.064862	0.16169	-0.01841
0.254106	2.57E-08	0.453406	4.68E-25	0.482602	1.28E-28	0.199125	1.46E-05	0.296026
0.15059	0.0011	0.170857	0.00021	0.302737	2.36E-11	0.054965	0.23581	0.173755
0.247543	5.97E-08	0.311902	5.39E-12	0.381167	1.35E-17	0.117056	0.01136	0.252344
-0.08507	0.06625	0.046013	0.3211	0.053105	0.25206	0.00862	0.85262	0.206987
0.130012	0.00489	0.290571	1.54E-10	0.186967	4.79E-05	0.207567	6.10E-06	0.27835
0.097614	0.03496	0.164085	0.00037	0.36137	7.48E-16	0.011993	0.79604	0.094354
0.020422	0.65981	0.149781	0.00117	0.310939	6.31E-12	0.006079	0.89577	0.129259
0.029943	0.51861	0.300619	3.29E-11	0.195149	2.17E-05	0.126549	0.00617	0.297684
0.030648	0.50881	0.206756	6.64E-06	0.141789	0.00213	0.073662	0.11189	0.268601
0.286869	2.69E-10	0.32803	3.54E-13	0.2546	2.41E-08	0.168015	0.00027	0.194087
0.071861	0.12096	0.186344	5.09E-05	0.369817	1.39E-16	0.039946	0.38909	0.081707
0.095658	0.03879	0.117891	0.01078	0.13093	0.0046	0.106839	0.02093	0.17557
0.083633	0.07097	0.008809	0.84942	-0.02025	0.6625	0.058342	0.20822	0.08041
0.013588	0.76962	0.007389	0.87348	0.123341	0.00762	-0.1343	0.00364	-0.01639
0.131284	0.00449	0.341013	3.51E-14	0.267064	4.56E-09	0.187996	4.35E-05	0.25532
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-0.00868	0.85162	0.09343	0.04359	0.11055	0.01685	-0.02337	0.61446	-0.00844
0.105002	0.02325	0.064286	0.16546	0.129233	0.00516	0.039783	0.39103	-0.01937
0.096313	0.03747	0.192775	2.74E-05	0.332004	1.77E-13	0.064666	0.16297	0.141117
0.255641	2.11E-08	0.184027	6.32E-05	0.230017	5.04E-07	0.099348	0.03183	0.147965
0.131886	0.0043	0.27646	1.22E-09	0.252786	3.05E-08	0.094286	0.04169	0.300626
-0.08256	0.07469	0.22533	8.66E-07	0.189364	3.81E-05	-0.02283	0.62272	0.133036
-0.07383	0.11105	0.206233	7.02E-06	0.135197	0.00342	0.005517	0.90536	0.230822
0.233412	3.38E-07	0.228005	6.37E-07	0.135246	0.00341	0.101499	0.02829	0.150308
-0.12931	0.00513	0.053197	0.25124	-0.05633	0.22439	-0.03875	0.40347	0.072356
0.097982	0.03427	0.166987	0.00029	0.120262	0.00929	0.026786	0.56367	0.198202
0.145498	0.00162	0.38971	2.18E-18	0.357717	1.52E-15	0.180846	8.49E-05	0.201894
0.145965	0.00156	0.23819	1.90E-07	0.276599	1.20E-09	0.059395	0.20011	0.049299
0.061598	0.1839	0.340059	4.18E-14	0.2783	9.40E-10	0.106004	0.02196	0.306656

0.176218	0.00013	0.469002	6.46E-27	0.418629	3.07E-21	0.219612	1.65E-06	0.3556
0.007127	0.87792	0.16008	0.00052	0.149183	0.00122	0.046079	0.3204	0.172136
0.139029	0.0026	0.40175	1.53E-19	0.371222	1.05E-16	0.234751	2.88E-07	0.469094
-0.11631	0.01189	-0.05403	0.24386	-0.05472	0.23787	-0.16044	0.0005	-0.02368
0.097499	0.03518	0.161037	0.00048	0.372112	8.76E-17	-0.06468	0.16287	-0.07188
0.019763	0.67012	0.106344	0.02153	0.100679	0.0296	0.033357	0.47207	0.014722
-0.15196	0.00099	-0.01252	0.7872	0.036576	0.43037	-0.06449	0.16409	-0.00657
0.223945	1.01E-06	0.08013	0.08367	0.24739	6.09E-08	-0.04678	0.31307	0.069989
0.027305	0.55613	0.144698	0.00172	0.203176	9.64E-06	0.032114	0.48874	0.179235
-0.03868	0.40435	0.025474	0.58292	0.083114	0.07275	-0.02676	0.56411	0.086685
0.008923	0.8475	0.128675	0.00536	0.122235	0.00818	-0.00626	0.89263	0.104404
0.035667	0.44192	0.273762	1.79E-09	0.21638	2.36E-06	-0.02798	0.54643	0.181909
-0.1497	0.00118	-0.0685	0.13939	-0.12464	0.007	-0.10607	0.02187	0.014085
0.088599	0.05571	0.121134	0.00878	0.170647	0.00021	0.125324	0.00669	0.210148
0.177369	0.00012	0.23013	4.97E-07	0.249001	4.96E-08	0.12937	0.00511	0.254547
-0.01784	0.70065	0.076481	0.09879	0.108568	0.01893	-0.02371	0.60929	0.01309
0.052366	0.25874	0.021548	0.64232	0.067704	0.14406	0.016459	0.72277	0.108139
-0.13277	0.00405	-0.01388	0.76489	0.095877	0.03834	-0.06898	0.13662	0.067059
0.076592	0.0983	0.265821	5.40E-09	0.303821	1.98E-11	0.088986	0.05465	0.280222
-0.07708	0.09616	0.020213	0.66306	0.060708	0.19033	-0.04122	0.37411	0.079295
0.069001	0.13651	0.077486	0.09442	0.090595	0.0504	0.004947	0.91509	0.107973
0.03161	0.4956	0.090337	0.05106	0.155132	0.00077	-0.0138	0.76608	0.034849
0.217284	2.14E-06	-0.01535	0.74071	0.172885	0.00017	0.039735	0.3916	0.192802
0.323699	7.48E-13	0.388332	2.94E-18	0.398156	3.43E-19	0.218624	1.85E-06	0.251005
0.034008	0.46346	0.11226	0.01522	0.288515	2.10E-10	0.017511	0.70585	0.06227
-0.04421	0.3404	-0.04236	0.36108	0.008419	0.85601	-0.09351	0.0434	-0.114
-0.09621	0.03768	0.056008	0.22703	0.171484	0.0002	-0.00791	0.86469	0.126387
0.037968	0.41302	0.174739	0.00015	0.193327	2.59E-05	0.082572	0.07464	0.175645
0.13187	0.00431	0.347394	1.08E-14	0.357849	1.49E-15	0.136144	0.0032	0.277247
0.095406	0.03931	0.33911	4.96E-14	0.308627	9.18E-12	0.142796	0.00198	0.260559
0.226708	7.40E-07	0.325089	5.89E-13	0.214311	2.96E-06	0.088731	0.05535	0.139419
-0.02616	0.57276	0.221274	1.37E-06	0.165039	0.00034	0.053466	0.24885	0.213338
0.012815	0.7824	0.124019	0.00729	0.130563	0.00471	0.099676	0.03127	0.308654
0.288549	2.09E-10	0.255694	2.09E-08	0.101978	0.02755	0.26448	6.48E-09	0.465943
0.05313	0.25184	0.101053	0.029	0.112458	0.01504	0.036046	0.43709	0.190212
0.015693	0.73517	0.148191	0.00132	0.142551	0.00201	0.043457	0.34873	0.230827
-0.04734	0.30729	-0.04911	0.28954	-0.03553	0.4437	0.019939	0.66736	-0.09955
0.162697	0.00042	0.273442	1.88E-09	0.259474	1.27E-08	0.01997	0.66687	0.292083
-0.17924	9.83E-05	0.09386	0.04262	-0.08973	0.05264	-0.0189	0.68373	0.042561
0.259611	1.25E-08	0.229087	5.61E-07	0.220481	1.50E-06	0.246605	6.72E-08	0.466443
0.09979	0.03108	0.249209	4.83E-08	0.019352	0.6766	0.130982	0.00458	0.243352
0.227805	6.52E-07	0.149805	0.00117	0.160131	0.00051	0.134628	0.00356	0.268489
0.277888	9.97E-10	0.233917	3.18E-07	0.246461	6.84E-08	0.083081	0.07286	0.092173
0.229715	5.22E-07	0.499803	6.99E-31	0.49342	5.01E-30	0.159416	0.00054	0.31056
0.078371	0.09071	0.132071	0.00425	0.081615	0.07808	-0.06524	0.15923	0.072233

-0.0413	0.37322	0.026407	0.56921	0.198533	1.55E-05	-0.01855	0.68925	-0.01423
0.278841	8.70E-10	0.109737	0.01768	0.162004	0.00044	0.095638	0.03883	0.166949
0.146869	0.00146	0.146994	0.00145	0.122123	0.00824	0.110606	0.0168	0.204345
0.018924	0.68335	0.107339	0.02033	0.148944	0.00125	0.014795	0.74982	0.08847
0.072214	0.11914	0.13847	0.00271	0.093285	0.04391	0.040678	0.38045	-0.00545
0.112278	0.0152	0.311247	6.00E-12	0.292426	1.16E-10	0.127187	0.00592	0.118644
-0.12937	0.00511	0.169249	0.00024	0.158379	0.00059	-0.01943	0.67535	0.129175
0.050911	0.27222	0.07447	0.10801	0.061082	0.18761	0.067009	0.14823	0.08299
-0.02391	0.60627	0.066544	0.15107	0.045543	0.32606	0.023666	0.60996	0.132293
0.077593	0.09397	0.253717	2.71E-08	0.221884	1.28E-06	0.118295	0.01051	0.177668
0.173797	0.00016	0.231406	4.28E-07	0.237123	2.16E-07	0.105858	0.02214	0.180299
0.111939	0.01551	0.075388	0.10372	0.105346	0.0228	0.133373	0.00388	0.266741
0.025104	0.58842	0.039888	0.38977	0.133731	0.00379	0.003863	0.93365	0.107719
0.223352	1.09E-06	0.058732	0.20519	-0.04346	0.34868	0.118773	0.0102	0.149859
0.122921	0.00783	0.234957	2.81E-07	0.215571	2.58E-06	0.036374	0.43293	0.093989
0.033452	0.47081	0.216742	2.27E-06	0.305459	1.53E-11	0.008445	0.85557	0.137428
-0.03867	0.40443	0.018056	0.69714	0.084583	0.06782	0.048415	0.29646	0.221438
0.069581	0.13324	0.149184	0.00122	0.097023	0.03608	0.043304	0.35044	0.163537
0.104492	0.02393	0.005626	0.90349	0.069462	0.13391	-0.10965	0.01777	-0.20107
0.092839	0.04494	0.078137	0.09168	-0.06379	0.16874	0.107878	0.01971	0.117015
0.14377	0.00184	0.23998	1.53E-07	0.203555	9.27E-06	0.092149	0.04656	0.262892
0.052627	0.25637	0.319293	1.58E-12	0.277053	1.12E-09	0.099182	0.03212	0.205268
-0.00846	0.85527	0.182944	6.99E-05	0.173816	0.00016	0.041286	0.37337	0.215556
0.231373	4.30E-07	0.431014	1.51E-22	0.45224	6.39E-25	0.18995	3.60E-05	0.357049
-0.13381	0.00377	0.027386	0.55496	0.041556	0.37024	-0.09142	0.04834	0.024353
0.117144	0.01129	0.240918	1.36E-07	0.228714	5.86E-07	0.060208	0.19402	0.097746
0.155592	0.00074	0.28841	2.13E-10	0.36373	4.70E-16	0.154564	0.0008	0.173064
0.254715	2.38E-08	0.1917	3.04E-05	0.265383	5.73E-09	0.013251	0.77519	0.097386
-0.09666	0.03678	0.005884	0.89909	0.079267	0.08707	-0.24939	4.73E-08	-0.15299
-0.02446	0.59808	-0.01596	0.73079	0.095306	0.03952	-0.07676	0.09756	-0.01534
0.069888	0.13153	0.120041	0.00942	0.042316	0.36155	0.09157	0.04796	0.04886
0.121862	0.00838	0.146831	0.00146	0.135994	0.00323	0.080079	0.08387	0.197494
0.185842	5.33E-05	0.471275	3.40E-27	0.462255	4.23E-26	0.21088	4.29E-06	0.260715
0.148579	0.00128	0.033511	0.47002	0.203197	9.62E-06	-0.01066	0.8183	-0.14034
-0.02772	0.55008	0.131544	0.00441	0.200345	1.29E-05	-0.0514	0.26762	0.007754
-0.03358	0.46913	0.130061	0.00488	0.087986	0.05744	0.001195	0.97945	0.037329
0.19283	2.72E-05	0.233621	3.29E-07	0.326149	4.91E-13	0.023255	0.61618	0.020166
0.046786	0.31302	0.240925	1.36E-07	0.183029	6.94E-05	0.11344	0.01417	0.359414
0.217044	2.20E-06	0.347335	1.09E-14	0.334206	1.20E-13	0.163477	0.00039	0.375249
0.224962	9.04E-07	0.420443	1.99E-21	0.276382	1.24E-09	0.274351	1.65E-09	0.431519
0.241292	1.30E-07	0.378043	2.59E-17	0.357724	1.52E-15	0.136487	0.00312	0.318481
0.108714	0.01877	0.374397	5.49E-17	0.364172	4.31E-16	0.178361	0.00011	0.230475
0.033114	0.4753	0.173175	0.00017	0.160875	0.00048	0.077592	0.09397	0.261527
0.066109	0.15376	0.23602	2.47E-07	0.189199	3.87E-05	0.075384	0.10374	0.269217
0.115833	0.01225	0.292445	1.16E-10	0.158654	0.00058	0.107293	0.02039	0.353037

0.111671	0.01576	0.380222	1.64E-17	0.32297	8.47E-13	0.139412	0.00253	0.320112
0.024208	0.60181	0.38415	7.18E-18	0.282669	4.99E-10	0.110141	0.01726	0.191616
0.142627	0.002	0.294727	8.20E-11	0.22135	1.36E-06	0.148389	0.0013	0.323652
0.01119	0.80941	0.048705	0.29357	0.113834	0.01384	0.006794	0.88358	0.085378
0.23699	2.20E-07	0.314148	3.72E-12	0.365351	3.41E-16	0.122513	0.00804	0.193958
-0.04762	0.30442	-0.04806	0.30004	0.05551	0.2312	-0.0586	0.20619	0.007887
0.060982	0.18833	0.084301	0.06874	0.210428	4.50E-06	-0.02638	0.56957	0.067158
-0.00012	0.99786	0.125088	0.0068	0.225471	8.53E-07	0.001268	0.97821	0.042244
0.024742	0.59381	0.121832	0.0084	0.181714	7.84E-05	0.010862	0.81491	0.154103
0.064314	0.16528	0.228929	5.72E-07	0.200179	1.31E-05	0.107495	0.02015	0.112615
0.258175	1.51E-08	0.149015	0.00124	0.28865	2.06E-10	0.132738	0.00406	0.210626
0.009727	0.83395	0.278995	8.50E-10	0.248266	5.45E-08	0.042435	0.3602	0.313722
0.10486	0.02344	0.199694	1.38E-05	0.289483	1.82E-10	0.05861	0.20614	0.121139
0.057361	0.21599	0.282439	5.16E-10	0.305319	1.56E-11	0.026943	0.56139	0.179444
0.069455	0.13395	0.001341	0.97695	0.067752	0.14377	0.160715	0.00049	0.242453
0.190465	3.43E-05	0.226481	7.59E-07	0.163608	0.00039	0.054976	0.23572	0.076307
0.082297	0.07562	0.168326	0.00026	0.214467	2.91E-06	0.063688	0.16944	0.274017
0.088698	0.05544	0.256969	1.77E-08	0.157541	0.00063	0.114283	0.01347	0.258678
0.234142	3.09E-07	0.32769	3.76E-13	0.289903	1.71E-10	0.071675	0.12192	0.21668
0.202717	1.01E-05	0.346024	1.40E-14	0.297248	5.56E-11	0.208656	5.44E-06	0.251926
-0.1221	0.00826	0.03073	0.50768	-0.03002	0.51755	-0.03038	0.51257	0.027843
0.106115	0.02182	-0.04024	0.38557	0.145898	0.00157	-0.03815	0.41078	0.000623
0.328419	3.31E-13	0.477772	5.27E-28	0.420636	1.90E-21	0.189757	3.67E-05	0.439556
0.053749	0.24636	0.082698	0.0742	0.196284	1.94E-05	-0.03558	0.44302	0.076664
0.141783	0.00213	0.17662	0.00012	0.20818	5.72E-06	0.076701	0.09782	0.139342
0.190692	3.35E-05	0.313539	4.12E-12	0.333709	1.31E-13	0.095454	0.03921	0.242404
0.25949	1.27E-08	0.517645	2.27E-33	0.458356	1.23E-25	0.232284	3.86E-07	0.462686
-0.07757	0.09405	0.145202	0.00165	0.124551	0.00704	4.55E-05	0.99922	0.213424
0.127351	0.00585	0.249766	4.50E-08	0.236949	2.21E-07	0.183747	6.49E-05	0.35688
0.148159	0.00132	0.37187	9.20E-17	0.356689	1.86E-15	0.182701	7.15E-05	0.342264
0.139366	0.00254	0.293532	9.84E-11	0.306913	1.21E-11	0.12748	0.0058	0.241186
0.156793	0.00067	0.197078	1.79E-05	0.274455	1.63E-09	0.080712	0.08144	0.134273
0.234745	2.88E-07	0.49851	1.05E-30	0.523741	2.96E-34	0.187146	4.71E-05	0.29893
-0.04589	0.32237	0.176498	0.00013	0.167638	0.00027	0.08161	0.0781	0.143709
0.229007	5.67E-07	0.258417	1.46E-08	0.348822	8.29E-15	0.063539	0.17044	0.103126
-0.032	0.49023	0.271129	2.59E-09	0.275251	1.45E-09	0.096631	0.03684	0.285313
0.193524	2.55E-05	0.326904	4.31E-13	0.211618	3.97E-06	0.199018	1.47E-05	0.291609
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0.026836	0.56294	0.093177	0.04416	0.109664	0.01776	0.123106	0.00774	0.15348
-7.56E-05	0.9987	0.032203	0.48754	0.074608	0.10735	0.076564	0.09842	0.143003
0.125679	0.00654	0.266688	4.80E-09	0.205898	7.27E-06	0.084208	0.06905	0.140199
0.033652	0.46816	0.113015	0.01454	0.162425	0.00042	0.070771	0.12671	0.261677
0.097264	0.03562	0.021896	0.63695	0.078334	0.09086	0.04826	0.298	0.037491
0.071816	0.12119	0.060439	0.19231	0.163939	0.00037	0.047114	0.30964	0.096093
0.055621	0.23026	0.326396	4.70E-13	0.257033	1.75E-08	0.070944	0.12578	0.175817

0.014325	0.75751	0.070082	0.13046	0.178187	0.00011	-0.05191	0.26295	0.009568
0.04345	0.34881	0.127018	0.00598	0.191932	2.97E-05	-0.02547	0.58293	0.06274
0.047887	0.30177	0.110738	0.01666	0.170389	0.00022	-0.02185	0.63761	0.053937
0.030147	0.51577	0.122313	0.00814	0.192976	2.69E-05	0.032067	0.48938	0.017901
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-0.01347	0.7715	0.005902	0.89877	0.019812	0.66935	-0.0457	0.32438	-0.0254
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-0.02631	0.57067	3.91E-05	0.99933	-0.00756	0.87053	-0.00545	0.90656	0.012201
0.015373	0.74039	0.060938	0.18866	0.082419	0.07518	0.008699	0.85129	0.024312
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-0.05827	0.20879	0.042969	0.35418	-0.0496	0.28479	0.053658	0.24716	0.116716
0.087326	0.05934	0.093093	0.04435	0.149602	0.00118	0.07513	0.10491	0.107493
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-0.01023	0.82547	0.023578	0.6113	0.04305	0.35327	-0.00165	0.97165	0.010105
-0.07275	0.11639	-0.03207	0.48934	0.003923	0.93262	-0.08848	0.05604	-0.03082
0.057295	0.21651	0.132792	0.00404	0.090663	0.05023	0.018964	0.68272	0.087322
-0.009	0.8462	0.099032	0.03239	0.170161	0.00022	0.075166	0.10474	0.084404
0.022097	0.63386	0.104406	0.02405	0.141704	0.00214	0.018061	0.69706	0.054528
0.015159	0.74388	0.132938	0.004	0.158418	0.00059	0.024718	0.59417	0.098753
-0.03519	0.44801	-0.05606	0.22657	-0.00595	0.89791	-0.04661	0.31481	-0.02424
-0.08916	0.05417	-0.08069	0.08151	0.055236	0.23351	-0.09568	0.03874	-0.06879
0.041016	0.3765	0.169928	0.00022	0.145918	0.00157	0.06046	0.19215	0.046521
-0.02849	0.53911	0.016815	0.71703	0.033577	0.46915	-0.06005	0.19518	0.09696
-0.0324	0.48484	0.009413	0.83923	0.022485	0.62791	-0.05941	0.19997	0.108588
-0.01169	0.80115	0.025324	0.58515	0.064514	0.16396	-0.077	0.0965	0.004922
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0.127434	0.00582	0.162736	0.00041	0.301674	2.79E-11	0.042335	0.36133	0.029327
0.010026	0.82893	-0.00325	0.94413	0.016759	0.71793	-0.0494	0.28671	-0.01795
0.043968	0.3431	0.004231	0.92734	0.022969	0.62053	0.005869	0.89935	-0.03953
-0.09108	0.04919	0.052256	0.25974	0.037227	0.4222	-0.07947	0.08624	-0.04547
-0.09147	0.0482	-0.0166	0.72054	0.021567	0.64203	-0.14191	0.00211	-0.04707
0.029442	0.52563	0.077921	0.09258	0.130609	0.0047	0.018903	0.68368	0.029816
-0.04852	0.29543	0.004878	0.91627	0.01467	0.75186	-0.0328	0.47953	0.025796
-0.21771	2.04E-06	0.045191	0.32982	-0.00541	0.90724	-0.06853	0.13919	-0.0553
-0.09265	0.04538	-0.01999	0.66662	0.008919	0.84756	-0.12669	0.00612	-0.10323
0.056865	0.21998	0.118715	0.01024	0.100553	0.02981	-0.02571	0.5795	-0.02023
0.107375	0.02029	0.170935	0.00021	0.171046	0.0002	0.119089	0.01	0.098243
-0.03495	0.45121	0.088401	0.05626	0.118734	0.01023	-0.07086	0.12625	0.057295
-0.07803	0.09211	-0.02118	0.64794	0.02236	0.62983	-0.02702	0.56023	-0.02897
0.012457	0.78833	0.092399	0.04597	0.112404	0.01509	0.003937	0.93238	0.069761
-0.0129	0.78106	0.021872	0.63732	0.085745	0.06411	0.007744	0.86745	0.039644
-0.08175	0.07761	-0.03016	0.51561	-0.01047	0.82144	-0.1162	0.01198	-0.08072
-0.02149	0.64325	0.066182	0.15331	0.111371	0.01605	-0.07608	0.10057	-0.00442
-0.04387	0.34416	0.080496	0.08226	0.134239	0.00366	-0.09351	0.0434	0.012679

0.052253	0.25977	0.210324	4.55E-06	0.208493	5.53E-06	0.100511	0.02987	0.148938
0.04419	0.34066	0.24466	8.58E-08	0.282864	4.85E-10	0.066197	0.15322	0.139337
0.010249	0.82518	0.096672	0.03676	0.082661	0.07433	-0.0496	0.2848	0.024341
-0.02452	0.59714	0.052864	0.25423	-0.00652	0.88817	-0.00118	0.97966	0.092401
-0.00516	0.91138	0.210033	4.70E-06	0.207096	6.41E-06	0.098931	0.03256	0.121001
-0.02524	0.58636	0.027839	0.54844	0.057582	0.21421	-0.09558	0.03896	-0.00851
0.041538	0.37045	0.165737	0.00032	0.235337	2.68E-07	0.007552	0.8707	0.051637
0.026754	0.56413	0.005761	0.90118	0.048521	0.2954	-0.07592	0.10128	-0.03884
-0.00483	0.91709	0.245559	7.66E-08	0.299422	3.97E-11	0.054374	0.24089	0.122425
-0.07211	0.11967	0.026106	0.57362	0.01834	0.69263	-0.03908	0.39949	0.007592
-0.02025	0.66241	-0.01353	0.77058	0.038044	0.41208	-0.02805	0.54544	-0.04618
0.015805	0.73337	-0.09033	0.05107	-0.02668	0.56519	0.021381	0.64489	-0.06473
-0.02723	0.55728	-0.08372	0.07067	-0.03931	0.39674	-0.12659	0.00615	-0.11311
-0.03014	0.5159	0.044321	0.33923	0.012366	0.78984	-0.03418	0.4612	0.076859
-0.00632	0.89164	-0.0086	0.85292	0.017132	0.71193	-0.08409	0.06944	-0.0017
0.033672	0.46789	0.06275	0.17582	0.02295	0.62081	0.018621	0.68815	0.077271
-0.08508	0.06621	-0.07941	0.08651	-0.05167	0.26517	-0.08169	0.07782	-0.19607
-0.08656	0.06162	-0.09991	0.03087	-0.07612	0.10039	-0.02364	0.61038	-0.16949
-0.12216	0.00822	-0.10583	0.02217	-0.06405	0.16703	-0.07313	0.11453	-0.17353
-0.08064	0.08172	0.088934	0.05479	0.067865	0.1431	-0.06351	0.17065	-0.06624
0.333342	1.39E-13	-0.19368	2.51E-05	-0.11901	0.01005	-0.03496	0.45099	-0.17186
0.45709	1.74E-25	0.15683	0.00067	0.016324	0.72495	0.144857	0.0017	0.048789
0.377536	2.87E-17	0.007688	0.8684	0.052931	0.25363	0.154528	0.00081	0.127087
0.331489	1.93E-13	-0.14144	0.00219	0.029867	0.51967	-0.04469	0.33524	-0.30412
0.493024	5.65E-30	-0.03903	0.4001	0.103849	0.02482	0.195641	2.07E-05	-0.04204
0.302207	2.56E-11	-0.08276	0.07398	-0.14621	0.00153	0.039881	0.38986	-0.148
0.372064	8.84E-17	-0.07765	0.09374	-0.02024	0.66272	0.117683	0.01092	-0.04733
0.400333	2.11E-19	0.065648	0.15666	0.116744	0.01158	0.099854	0.03097	-0.04143
0.342105	2.88E-14	-0.00024	0.9958	0.075063	0.10522	0.065962	0.15468	-0.1793
0.177765	0.00011	-0.22343	1.08E-06	-0.28636	2.90E-10	0.07151	0.12279	-0.03894
0.606243	3.35E-48	0.033802	0.46618	0.037114	0.42361	0.251528	3.59E-08	0.159567
0.398282	3.33E-19	-0.00766	0.86887	0.126187	0.00632	0.249549	4.63E-08	0.232328
0.32708	4.18E-13	-0.10325	0.02566	-0.03221	0.4874	0.152809	0.00092	0.161672
-0.43395	7.23E-23	-0.07602	0.10085	-0.19019	3.52E-05	-0.18647	5.03E-05	-0.11534
0.310184	7.13E-12	-0.0883	0.05655	-0.30689	1.21E-11	0.145855	0.00158	-0.01265
0.420244	2.09E-21	-0.02069	0.65562	-0.13082	0.00463	0.220992	1.42E-06	0.053102
0.386208	4.63E-18	0.056065	0.22656	0.020759	0.65455	0.130576	0.00471	0.064619
0.504027	1.86E-31	0.169307	0.00024	0.240972	1.35E-07	0.203374	9.44E-06	0.131136
0.44778	2.08E-24	-0.03984	0.39036	-0.01396	0.76358	0.172962	0.00017	0.11256
0.480444	2.42E-28	-0.10459	0.0238	-0.01603	0.72978	0.155683	0.00074	-0.03452
0.537868	2.25E-36	0.176262	0.00013	0.015796	0.73352	0.356591	1.89E-15	0.357958
0.272215	2.23E-09	-0.13044	0.00475	-0.16854	0.00025	0.068046	0.14204	0.002334
0.32315	8.21E-13	-0.0736	0.11221	-0.15705	0.00066	0.119054	0.01002	0.096906
0.448365	1.78E-24	0.020429	0.65969	0.036228	0.43477	0.105927	0.02206	-0.06668
0.177462	0.00012	-0.29797	4.97E-11	-0.28771	2.37E-10	0.013559	0.7701	-0.16813

0.449544	1.31E-24	-0.04825	0.29815	-0.14912	0.00123	0.261685	9.45E-09	0.166608
0.579129	3.55E-43	0.243895	9.43E-08	0.157285	0.00065	0.221633	1.32E-06	0.200578
0.345721	1.48E-14	0.045818	0.32315	0.224551	9.47E-07	0.052839	0.25445	-0.11694
0.340219	4.06E-14	0.019854	0.6687	-0.1125	0.015	0.138867	0.00263	0.000603
0.391747	1.40E-18	0.133207	0.00393	0.121084	0.00881	0.273866	1.77E-09	0.055482
0.167654	0.00027	-0.23897	1.73E-07	-0.1324	0.00415	0.094663	0.04087	-0.147
0.088107	0.05709	-0.28741	2.48E-10	-0.23257	3.73E-07	-0.04852	0.29546	-0.11182
0.33817	5.88E-14	-0.13614	0.0032	-0.16935	0.00024	0.018713	0.68669	-0.04152
0.48021	2.59E-28	0.003125	0.9463	-0.08239	0.0753	0.157284	0.00065	-0.01339
0.678964	2.14E-64	0.185522	5.50E-05	0.138866	0.00263	0.374644	5.22E-17	0.195832
0.57484	2.01E-42	0.064564	0.16363	0.119581	0.00969	0.201779	1.11E-05	0.098931
0.245802	7.43E-08	-0.3377	6.40E-14	-0.32668	4.48E-13	0.03517	0.44832	-0.21185
0.65728	4.29E-59	0.145193	0.00166	0.16851	0.00025	0.318034	1.95E-12	0.041605
0.33349	1.36E-13	-0.14987	0.00116	-0.09943	0.03169	0.192658	2.77E-05	-0.04185
0.141915	0.00211	-0.28425	3.96E-10	-0.36359	4.83E-16	0.108151	0.0194	-0.0338
0.667441	1.60E-61	0.278536	9.08E-10	0.141941	0.00211	0.34758	1.05E-14	0.242707
0.363699	4.73E-16	-0.08852	0.05592	-0.04846	0.29599	0.17158	0.00019	0.106968
0.560094	6.40E-40	0.137549	0.0029	0.187456	4.58E-05	0.180084	9.11E-05	0.042058
0.294531	8.45E-11	-0.14418	0.00179	-0.15479	0.00079	0.156982	0.00066	0.008855
0.490997	1.05E-29	0.038302	0.40892	0.014028	0.76239	0.32351	7.72E-13	0.309794
0.494727	3.36E-30	0.123991	0.0073	0.218421	1.89E-06	0.065611	0.1569	-0.0827
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0.23769	2.02E-07	-0.05241	0.25833	-0.07615	0.10028	0.168895	0.00025	0.165489
0.374994	4.86E-17	0.043745	0.34555	0.057369	0.21592	0.224054	1.00E-06	0.109777
0.298018	4.93E-11	-0.08415	0.06925	0.024842	0.59232	0.067608	0.14463	0.016515
0.225683	8.32E-07	-0.08553	0.06478	-0.18685	4.84E-05	0.146252	0.00153	-0.08622
0.164585	0.00035	-0.23671	2.27E-07	-0.22453	9.50E-07	0.048123	0.29938	-0.16884
0.334187	1.20E-13	-0.13354	0.00384	-0.15273	0.00093	0.112845	0.01469	-0.04093
0.273078	1.97E-09	-0.13058	0.00471	-0.05936	0.20035	0.082629	0.07444	0.066944
0.590913	2.66E-45	0.069499	0.1337	0.135096	0.00344	0.252489	3.17E-08	0.091883
0.465625	1.66E-26	-0.03684	0.42708	0.089026	0.05454	0.185445	5.54E-05	0.147241
0.379133	2.06E-17	-0.02396	0.60547	0.145212	0.00165	0.023792	0.60806	-0.18001
0.658266	2.51E-59	0.210564	4.44E-06	0.132026	0.00426	0.267481	4.30E-09	0.137007
0.197619	1.70E-05	-0.26511	5.95E-09	-0.20665	6.72E-06	0.02753	0.55289	0.016416
0.398869	2.92E-19	-0.08894	0.05477	-0.12602	0.00639	0.269655	3.19E-09	0.283883
0.201333	1.16E-05	-0.22288	1.15E-06	-0.17239	0.00018	0.075262	0.1043	-0.05591
0.362755	5.70E-16	0.01399	0.76301	-0.02036	0.6608	0.109768	0.01765	0.015211
0.319267	1.59E-12	-0.13707	0.003	-0.06519	0.15957	0.025687	0.57978	-0.08795
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0.556845	2.20E-39	0.011682	0.80121	0.114243	0.0135	0.108247	0.01929	-0.06584
0.589852	4.16E-45	0.066878	0.14902	0.251118	3.79E-08	0.129244	0.00515	0.024296
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0.229794	5.17E-07	-0.22727	6.93E-07	-0.13349	0.00385	0.084094	0.06943	-0.02964
0.522179	5.01E-34	0.150476	0.00111	0.301913	2.68E-11	0.208117	5.76E-06	0.00309
0.447253	2.39E-24	0.157831	0.00062	0.078932	0.08842	0.394733	7.31E-19	0.395893

0.349368	7.48E-15	-0.08257	0.07465	-0.05246	0.25787	0.090536	0.05055	0.036907
0.242412	1.13E-07	-0.07784	0.09292	-0.0123	0.79098	0.035389	0.4455	-0.10597
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0.377094	3.15E-17	-0.05416	0.24275	-0.04495	0.33243	-0.00081	0.98605	-0.11929
0.465194	1.88E-26	0.133698	0.0038	0.04215	0.36344	0.390436	1.87E-18	0.142063
0.640257	3.13E-55	0.196277	1.94E-05	0.264347	6.60E-09	0.263568	7.34E-09	0.187626
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0.380785	1.46E-17	0.208058	5.79E-06	0.205315	7.72E-06	0.222324	1.22E-06	0.059956
0.41319	1.11E-20	-0.00839	0.85651	-0.04364	0.34673	0.183287	6.77E-05	0.058259
0.199526	1.40E-05	-0.17271	0.00018	-0.12186	0.00839	-0.00279	0.95197	-0.13899
0.517863	2.11E-33	0.183154	6.86E-05	0.119835	0.00954	0.145996	0.00156	0.038565
0.189394	3.80E-05	-0.273	2.00E-09	-0.21078	4.34E-06	0.100138	0.03049	-0.08938
0.462852	3.59E-26	0.133375	0.00388	0.074903	0.10596	0.245042	8.18E-08	0.249124
0.508221	4.89E-32	0.07333	0.11352	0.061223	0.18659	0.258573	1.43E-08	0.017257
0.296616	6.13E-11	-0.08367	0.07084	-0.20847	5.55E-06	0.278801	8.75E-10	0.261243
0.331929	1.79E-13	-0.08286	0.07363	0.017629	0.70397	0.053895	0.24508	-0.14642
0.521856	5.59E-34	0.165656	0.00032	-0.02654	0.5672	0.315436	3.01E-12	0.18957
0.563388	1.81E-40	0.029011	0.53172	0.092754	0.04514	0.239633	1.60E-07	0.015027
0.559077	9.43E-40	0.170877	0.00021	0.099694	0.03124	0.226059	7.97E-07	0.092141
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0.664656	7.56E-61	0.245518	7.70E-08	0.336261	8.29E-14	0.383268	8.66E-18	0.232118
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0.631789	2.13E-53	0.243258	1.02E-07	0.144847	0.0017	0.316741	2.42E-12	0.231007
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0.629627	6.12E-53	0.197504	1.72E-05	0.144317	0.00177	0.268378	3.80E-09	0.125501
0.366912	2.50E-16	-0.03644	0.43209	-0.03264	0.48169	0.082298	0.07562	-0.08136
0.389354	2.36E-18	-0.12143	0.00862	-0.13472	0.00354	0.097621	0.03494	-0.01974
0.265972	5.29E-09	-0.07155	0.12256	-0.01735	0.70841	0.052983	0.25316	-0.21581
0.573883	2.94E-42	0.226906	7.23E-07	0.027934	0.54707	0.333692	1.31E-13	0.328577
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0.358149	1.40E-15	0.008005	0.86303	0.118119	0.01063	0.136882	0.00304	-0.0709
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0.423161	1.03E-21	0.111034	0.01637	0.25114	3.78E-08	0.002571	0.95581	-0.09775
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0.443662	6.08E-24	0.130002	0.0049	-0.02221	0.63218	0.182506	7.28E-05	0.170377
0.652415	5.77E-58	0.223381	1.08E-06	0.224782	9.22E-07	0.347431	1.08E-14	0.262318
0.391212	1.58E-18	-0.12386	0.00737	-0.08663	0.06139	0.028043	0.5455	-0.07076
0.238357	1.86E-07	-0.1529	0.00092	-0.28493	3.58E-10	0.031855	0.49226	-0.0478
0.147638	0.00138	-0.31167	5.59E-12	-0.24617	7.09E-08	0.012175	0.79301	-0.18366
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-0.0013	0.97759	0.244513	8.74E-08	0.155969	0.00072	0.039311	0.39668	0.260189
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-0.35287	3.86E-15	-0.00783	0.86603	-0.06997	0.13106	-0.18195	7.67E-05	-0.0421
0.311762	5.51E-12	-0.0722	0.11923	0.094586	0.04104	-0.04477	0.33434	-0.20806
0.370779	1.15E-16	0.03634	0.43335	-0.09554	0.03903	0.152794	0.00092	0.182578
0.402837	1.20E-19	0.025766	0.57862	0.150128	0.00114	0.071742	0.12157	0.104933
0.622108	2.26E-51	0.169011	0.00024	0.040687	0.38035	0.236103	2.45E-07	0.073773
0.25727	1.70E-08	-0.20679	6.62E-06	-0.3612	7.74E-16	0.045961	0.32165	-0.12725
0.304973	1.65E-11	-0.06916	0.13561	-0.06725	0.14679	0.1437	0.00185	0.090652
0.241998	1.19E-07	-0.27275	2.07E-09	-0.1902	3.52E-05	-0.08039	0.08268	-0.25847
0.697587	2.51E-69	0.327386	3.96E-13	0.273898	1.76E-09	0.367059	2.43E-16	0.290231
0.628014	1.34E-52	0.172365	0.00018	0.155115	0.00077	0.349207	7.71E-15	0.241866
0.186811	4.87E-05	-0.30535	1.55E-11	-0.31835	1.85E-12	0.058102	0.2101	-0.09504
0.520866	7.78E-34	0.16603	0.00031	-0.04244	0.36014	0.309727	7.68E-12	0.28863
0.368881	1.68E-16	0.011451	0.80507	0.108649	0.01885	0.139229	0.00257	0.036826
0.372697	7.77E-17	0.050727	0.27396	0.005512	0.90544	0.228819	5.79E-07	0.181841
0.482101	1.49E-28	0.032637	0.48169	0.168658	0.00025	0.053217	0.25107	-0.05898
0.438122	2.52E-23	0.09301	0.04454	0.232194	3.90E-07	0.171511	0.0002	-0.08684
0.372348	8.35E-17	-0.15027	0.00112	-0.00618	0.89399	0.05616	0.22577	-0.04573
0.656786	5.59E-59	0.246857	6.51E-08	0.277589	1.04E-09	0.309736	7.67E-12	0.288507
0.472696	2.27E-27	0.000956	0.98356	0.202561	1.03E-05	0.163769	0.00038	-0.07276
0.175953	0.00013	-0.32281	8.71E-13	-0.23502	2.78E-07	-0.11231	0.01517	-0.27976
0.438799	2.12E-23	0.026664	0.56545	0.165607	0.00033	0.084458	0.06823	0.048734
0.666116	3.35E-61	0.258567	1.43E-08	0.261322	9.93E-09	0.440816	1.27E-23	0.336669
0.615394	5.23E-50	0.197546	1.71E-05	0.247661	5.88E-08	0.332472	1.63E-13	0.306009
0.340374	3.94E-14	0.046083	0.32036	0.119786	0.00957	0.215231	2.68E-06	0.169916
0.154427	0.00081	-0.41732	4.19E-21	-0.30134	2.94E-11	-0.11195	0.0155	-0.31347
0.311674	5.59E-12	-0.09891	0.0326	-0.18156	7.95E-05	0.240728	1.40E-07	0.106647
0.530362	3.09E-35	0.094404	0.04143	0.238074	1.93E-07	0.210987	4.24E-06	0.18614
0.093909	0.04252	-0.21735	2.12E-06	-0.09433	0.04158	-0.10427	0.02423	-0.11289
0.650693	1.43E-57	0.328791	3.10E-13	0.234816	2.86E-07	0.27383	1.78E-09	0.239788
0.432367	1.08E-22	0.192954	2.69E-05	0.328264	3.40E-13	0.154949	0.00078	-0.01503
0.620088	5.86E-51	0.201655	1.13E-05	0.132746	0.00406	0.250843	3.92E-08	0.170151
0.578708	4.21E-43	0.096268	0.03756	0.154527	0.00081	0.278124	9.64E-10	-0.01159
0.442707	7.79E-24	0.001659	0.97148	0.149427	0.0012	0.128487	0.00542	-0.07615
0.145735	0.00159	-0.17438	0.00015	-0.24914	4.88E-08	0.168202	0.00026	0.119225

0.509815	2.93E-32	0.189169	3.88E-05	0.027073	0.55949	0.303086	2.23E-11	0.365321
0.180063	9.12E-05	-0.3539	3.17E-15	-0.35175	4.77E-15	0.007339	0.87432	-0.09917
0.554559	5.18E-39	0.16017	0.00051	0.22461	9.41E-07	0.224182	9.88E-07	0.052956
0.324774	6.22E-13	-0.11398	0.01372	-0.01558	0.73707	-0.01259	0.78615	-0.14611
0.362716	5.74E-16	0.068918	0.13699	-0.02056	0.65765	0.267531	4.27E-09	0.239305
0.133966	0.00373	-0.21915	1.74E-06	-0.33093	2.13E-13	0.111861	0.01559	-0.0849
0.174243	0.00015	-0.29111	1.42E-10	-0.28556	3.26E-10	0.020887	0.65255	-0.11892
0.566151	6.21E-41	0.020793	0.65401	0.015365	0.74052	0.250521	4.09E-08	0.056424
0.587945	9.30E-45	0.169874	0.00023	0.213811	3.13E-06	0.316424	2.55E-12	0.109828
0.285827	3.13E-10	-0.09157	0.04796	0.174876	0.00015	0.032881	0.47842	-0.2046
0.511661	1.61E-32	0.022823	0.62276	0.155439	0.00075	0.085431	0.06509	-0.13036
0.490894	1.08E-29	0.175619	0.00014	0.139071	0.0026	0.148276	0.00131	0.103182
0.349901	6.77E-15	-0.08957	0.05307	0.028477	0.5393	0.112195	0.01528	0.02454
0.462265	4.22E-26	0.204016	8.84E-06	0.157097	0.00066	0.320019	1.40E-12	0.167642
0.147757	0.00136	-0.27653	1.21E-09	-0.13858	0.00269	-0.02222	0.63196	-0.15751
0.42799	3.18E-22	-0.03285	0.47883	0.094368	0.04151	0.116937	0.01144	0.038423
0.514959	5.50E-33	0.051865	0.26333	0.086607	0.06147	0.274223	1.68E-09	0.029054
0.359444	1.09E-15	0.121906	0.00836	-0.00194	0.96672	0.395055	6.81E-19	0.267306
0.229447	5.38E-07	-0.18406	6.30E-05	-0.14722	0.00142	0.033632	0.46843	-0.10406
0.217296	2.14E-06	-0.20144	1.15E-05	0.006339	0.89133	0.001669	0.97131	-0.07552
0.335505	9.49E-14	-0.04185	0.36687	-0.15756	0.00063	0.178113	0.00011	0.159929
0.327769	3.71E-13	-0.00541	0.90712	-0.1769	0.00012	0.174092	0.00016	-0.04798
0.438625	2.22E-23	0.105672	0.02238	0.023367	0.61449	0.206033	7.17E-06	-0.10831
0.517256	2.58E-33	0.075461	0.10338	-0.01478	0.75004	0.253879	2.65E-08	0.076244
0.442704	7.79E-24	0.077617	0.09387	-0.04605	0.32075	0.261299	9.96E-09	0.111276
0.353152	3.66E-15	0.010825	0.81553	-0.01505	0.7457	0.322792	8.73E-13	0.24584
0.4788	3.91E-28	-0.10019	0.03041	0.044519	0.33708	0.142055	0.00209	-0.00177
0.408619	3.20E-20	0.10049	0.02991	0.216756	2.27E-06	0.112746	0.01478	-0.05912
0.319798	1.45E-12	-0.11332	0.01428	-0.1474	0.0014	0.122079	0.00827	0.008803
0.237035	2.19E-07	-0.22536	8.64E-07	-0.15746	0.00064	0.048447	0.29614	0.000163
0.484912	6.49E-29	0.075524	0.10309	0.17727	0.00012	0.127198	0.00591	-0.00923
0.415091	7.09E-21	0.144282	0.00177	0.18358	6.59E-05	0.115663	0.01238	-0.0293
0.295887	6.86E-11	-0.19378	2.48E-05	-0.18347	6.66E-05	0.083168	0.07256	-0.08331
0.361484	7.32E-16	-0.13287	0.00402	-0.12284	0.00787	0.053783	0.24606	0.025072
0.088133	0.05702	-0.26788	4.07E-09	-0.17302	0.00017	-0.04554	0.32605	-0.26256
0.686564	2.31E-66	0.22812	6.28E-07	0.213113	3.38E-06	0.383324	8.56E-18	0.170195
0.295155	7.68E-11	0.078891	0.08858	0.262947	7.98E-09	-0.05824	0.209	-0.14102
0.173954	0.00016	0.030053	0.51707	-0.08543	0.06509	0.021744	0.63929	-0.00534
0.491204	9.83E-30	0.16053	0.0005	0.078069	0.09196	0.216525	2.33E-06	0.25304
0.591603	1.98E-45	0.019127	0.68015	0.06048	0.192	0.309268	8.28E-12	0.147277
0.644185	4.22E-56	0.101967	0.02757	0.118322	0.01049	0.283286	4.56E-10	0.061467
0.569528	1.66E-41	0.25023	4.24E-08	0.286456	2.86E-10	0.187359	4.62E-05	0.032555
0.367959	2.03E-16	0.046286	0.31822	-0.02809	0.54486	0.206494	6.83E-06	0.023801
0.240772	1.39E-07	-0.3297	2.65E-13	-0.34735	1.09E-14	0.009076	0.84492	-0.18394
0.490854	1.09E-29	0.061456	0.18492	0.176771	0.00012	0.248639	5.20E-08	0.300181

0.392284	1.25E-18	0.032904	0.47811	-0.00196	0.96636	0.196892	1.82E-05	0.208671
0.267823	4.10E-09	-0.12458	0.00703	-0.0735	0.11268	0.115902	0.0122	-0.06682
0.311466	5.79E-12	-0.12165	0.0085	-0.10041	0.03004	0.000514	0.99116	-0.0871
0.227862	6.47E-07	-0.13958	0.0025	-0.26746	4.32E-09	0.045394	0.32766	-0.09254
0.442324	8.60E-24	0.160033	0.00052	0.041332	0.37283	0.253382	2.83E-08	0.179401
0.208856	5.32E-06	-0.19063	3.37E-05	-0.09111	0.04911	0.069996	0.13094	-0.21875
0.502357	3.14E-31	0.149139	0.00123	0.127467	0.00581	0.251735	3.50E-08	0.098206
0.706437	8.31E-72	0.157851	0.00062	0.260902	1.05E-08	0.322801	8.72E-13	0.136219
0.409449	2.65E-20	0.137067	0.003	0.142178	0.00207	0.163159	0.0004	0.151739
0.294409	8.61E-11	-0.07235	0.11846	-0.17032	0.00022	0.160142	0.00051	-0.06563
0.239817	1.56E-07	-0.0648	0.16209	-0.07762	0.09387	-0.00611	0.89527	-0.08691
0.239574	1.61E-07	-0.32762	3.80E-13	-0.13668	0.00308	-0.03112	0.50226	-0.32547
0.414708	7.76E-21	-0.09577	0.03857	0.026885	0.56223	0.170399	0.00022	0.103128
0.434433	6.41E-23	-0.03395	0.46426	-0.06548	0.15774	0.168295	0.00026	-0.09847
0.427441	3.64E-22	0.157191	0.00065	0.085588	0.0646	0.32824	3.42E-13	0.318528
0.362372	6.15E-16	-0.01749	0.70623	-0.16017	0.00051	0.22826	6.18E-07	0.089652
0.475275	1.08E-27	0.086009	0.06329	0.144147	0.00179	0.211435	4.04E-06	0.109922
0.386492	4.36E-18	-0.09409	0.04211	0.060689	0.19047	0.100976	0.02912	-0.02054
0.406991	4.66E-20	0.140676	0.00231	-0.07781	0.09304	0.166923	0.00029	0.145445
0.127467	0.00581	-0.2205	1.50E-06	-0.24562	7.61E-08	-0.05075	0.27377	-0.15818
0.02003	0.66593	-0.05441	0.24057	0.000818	0.98593	-0.09281	0.045	-0.11295
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0.274325	1.66E-09	0.179002	0.0001	0.185633	5.44E-05	0.049201	0.28867	0.061443
0.357506	1.59E-15	0.277526	1.05E-09	0.242742	1.09E-07	0.109556	0.01787	0.113019
0.457528	1.54E-25	0.48734	3.15E-29	0.431678	1.28E-22	0.255596	2.12E-08	0.361024
0.153374	0.00088	0.396397	5.06E-19	0.325913	5.11E-13	0.172458	0.00018	0.272659
0.304206	1.87E-11	0.27497	1.51E-09	0.230113	4.98E-07	0.102993	0.02604	0.18906
0.601989	2.22E-47	0.587252	1.24E-44	0.54738	7.36E-38	0.28082	6.53E-10	0.272131
0.138606	0.00268	0.057062	0.21839	0.064608	0.16334	-0.0584	0.20775	-0.0183
0.059897	0.19633	0.090624	0.05033	0.058398	0.20779	0.048336	0.29724	-0.0182
0.222904	1.14E-06	-0.04499	0.33194	0.194759	2.25E-05	-0.08607	0.06311	-0.20506
0.180661	8.64E-05	0.195638	2.07E-05	0.141132	0.00224	-0.0108	0.81589	-0.11957
0.197151	1.78E-05	0.164619	0.00035	0.140654	0.00231	0.071695	0.12182	0.084401
-0.21881	1.81E-06	-0.23171	4.13E-07	-0.27066	2.77E-09	-0.24114	1.33E-07	-0.03285
0.154985	0.00078	0.328741	3.13E-13	0.170709	0.00021	0.033084	0.4757	0.19694
-0.16915	0.00024	-0.28275	4.93E-10	-0.23437	3.01E-07	-0.19328	2.61E-05	-0.2214
0.166085	0.00031	0.131089	0.00455	0.050166	0.27931	0.01988	0.66828	0.006003
0.166338	0.00031	0.153524	0.00087	0.115428	0.01256	-0.00261	0.95507	-0.01221
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0.356551	1.91E-15	0.288475	2.11E-10	0.234084	3.12E-07	0.137046	0.003	0.25245
0.205605	7.49E-06	0.132183	0.00422	0.066177	0.15334	-0.00227	0.96095	-0.04193
0.262844	8.09E-09	0.270965	2.66E-09	0.208264	5.67E-06	0.053637	0.24734	0.125319
0.213931	3.09E-06	0.137274	0.00295	0.108192	0.01935	0.013012	0.77914	0.029108
0.335154	1.01E-13	0.446954	2.58E-24	0.256911	1.78E-08	0.179083	9.98E-05	0.270088

0.073958	0.11046	0.055246	0.23343	0.044487	0.33742	-0.0054	0.90742	-0.02688
-0.23389	3.19E-07	-0.37186	9.21E-17	-0.32642	4.68E-13	-0.29564	7.13E-11	-0.28414
0.120297	0.00926	0.105868	0.02213	0.080658	0.08165	-0.06518	0.15962	-0.01765
-0.2719	2.33E-09	-0.47595	8.93E-28	-0.43519	5.30E-23	-0.27678	1.17E-09	-0.35472
0.197585	1.70E-05	0.014121	0.76086	0.076091	0.10052	-0.06066	0.19067	-0.06418
0.462289	4.19E-26	0.156876	0.00067	0.188916	3.98E-05	0.18701	4.77E-05	0.208794
-0.07347	0.11282	-0.3262	4.87E-13	-0.18054	8.73E-05	-0.25669	1.84E-08	-0.40041
0.075562	0.10292	-0.07224	0.11901	-0.01848	0.69044	-0.10251	0.02675	-0.16211
0.090048	0.05181	0.038092	0.41149	0.105258	0.02291	-0.24064	1.41E-07	-0.25275
0.238172	1.91E-07	0.177261	0.00012	-0.01186	0.79831	0.094204	0.04187	0.282171
0.082296	0.07562	-0.09169	0.04767	-0.0241	0.60348	-0.12533	0.00669	-0.13332
0.082084	0.07638	0.007244	0.87593	0.014918	0.7478	-0.04639	0.31718	0.043117
0.332816	1.53E-13	0.094135	0.04202	0.2147	2.84E-06	0.042191	0.36297	0.040523
-0.02449	0.59754	-0.186	5.25E-05	-0.14995	0.00115	-0.09147	0.0482	-0.17791
0.030767	0.50717	0.04922	0.28849	0.004708	0.91918	-0.11491	0.01296	-0.08411
-0.13833	0.00274	-0.24174	1.23E-07	-0.10205	0.02744	-0.22652	7.55E-07	-0.26362
0.276543	1.21E-09	0.278711	8.86E-10	0.330206	2.42E-13	0.030902	0.5053	0.167058
0.345808	1.45E-14	0.275909	1.32E-09	0.26307	7.85E-09	0.122184	0.00821	0.241865
0.360332	9.16E-16	0.354201	3.00E-15	0.262375	8.62E-09	0.084853	0.06694	0.24382
0.215177	2.70E-06	0.17012	0.00022	0.353886	3.18E-15	-0.11547	0.01252	0.000122
0.20279	1.00E-05	0.118196	0.01058	0.143133	0.00193	0.027769	0.54944	-0.05669
-0.14014	0.0024	-0.08265	0.07435	-0.13312	0.00395	-0.20139	1.16E-05	-0.09398
-0.1333	0.0039	-0.09658	0.03695	-0.11374	0.01392	-0.19155	3.09E-05	-0.12738
0.374302	5.60E-17	0.410323	2.16E-20	0.375113	4.74E-17	0.140964	0.00226	0.214539
0.199338	1.43E-05	0.349579	7.19E-15	0.298609	4.50E-11	0.092256	0.04631	0.242416
0.090135	0.05158	0.057627	0.21386	0.121553	0.00855	-0.08889	0.05492	-0.11241
0.20507	7.92E-06	0.412176	1.40E-20	0.222852	1.15E-06	0.12568	0.00654	0.349526
-0.04977	0.2831	0.041823	0.36717	-0.0525	0.25755	-0.06028	0.19345	-0.10966
-0.03893	0.40132	0.085472	0.06497	0.067083	0.14778	-0.08883	0.05508	0.009039
0.415803	6.00E-21	0.230228	4.91E-07	0.279383	8.04E-10	0.072187	0.11927	0.091218
0.18281	7.08E-05	0.179964	9.21E-05	0.261045	1.03E-08	-0.01345	0.77183	-0.04713
0.127193	0.00591	-0.06281	0.17541	0.062308	0.17889	-0.21318	3.35E-06	-0.16173
-0.06172	0.18302	0.033305	0.47276	-0.02397	0.60532	-0.22508	8.92E-07	0.004473
0.266102	5.20E-09	0.087138	0.05989	0.174259	0.00015	0.034815	0.45291	0.18263
0.158493	0.00059	0.035225	0.44761	-0.05539	0.23218	0.110457	0.01694	0.141705
0.195099	2.18E-05	0.365129	3.56E-16	0.280178	7.17E-10	0.115975	0.01214	0.290143
0.136029	0.00322	0.158074	0.00061	0.0489	0.29164	0.048671	0.2939	0.099332
0.018145	0.69573	-0.12138	0.00865	-0.02641	0.56915	-0.16101	0.00048	-0.17298
0.48511	6.12E-29	0.067246	0.14679	0.160997	0.00048	0.127555	0.00577	0.109196
0.216884	2.24E-06	0.286852	2.69E-10	0.344759	1.77E-14	0.000835	0.98564	0.080113
0.227722	6.58E-07	0.253122	2.92E-08	0.425945	5.25E-22	0.041874	0.36659	0.089881
0.686994	1.78E-66	0.749462	2.55E-85	0.458261	1.26E-25	0.490121	1.36E-29	0.611511
-0.33105	2.09E-13	-0.34915	7.79E-15	-0.1844	6.10E-05	-0.15369	0.00086	-0.06146
0.555191	4.09E-39	0.590348	3.38E-45	0.497555	1.41E-30	0.511064	1.96E-32	0.748361
0.705152	1.93E-71	0.697377	2.86E-69	0.434331	6.58E-23	0.525667	1.54E-34	0.582671

0.594557	5.62E-46	0.785469	5.97E-99	0.548957	4.13E-38	0.409577	2.57E-20	0.637172
-0.58973	4.39E-45	-0.57861	4.38E-43	-0.54997	2.85E-38	-0.30078	3.21E-11	-0.32257
0.524766	2.10E-34	0.371005	1.10E-16	0.400245	2.15E-19	0.523949	2.76E-34	0.595917
0.659747	1.12E-59	0.709272	1.28E-72	0.536473	3.68E-36	0.466259	1.39E-26	0.730255
0.675612	1.51E-63	0.654444	1.96E-58	0.374265	5.64E-17	0.512507	1.22E-32	0.597623
0.370427	1.23E-16	0.261601	9.56E-09	0.118528	0.01036	0.380569	1.53E-17	0.343441
0.628614	1.00E-52	0.596123	2.86E-46	0.446835	2.66E-24	0.538169	2.02E-36	0.746116
0.483399	1.02E-28	0.26831	3.84E-09	0.047186	0.3089	0.320987	1.19E-12	0.471505
0.666981	2.07E-61	0.568749	2.25E-41	0.420508	1.96E-21	0.495583	2.58E-30	0.692176
0.747559	1.15E-84	0.701404	2.19E-70	0.476947	6.69E-28	0.487781	2.76E-29	0.661356
0.59791	1.32E-46	0.471907	2.84E-27	0.420121	2.15E-21	0.315529	2.96E-12	0.373857
0.556428	2.57E-39	0.515805	4.17E-33	0.18287	7.04E-05	0.537484	2.58E-36	0.609798
0.610219	5.59E-49	0.635228	3.90E-54	0.54223	4.75E-37	0.373967	6.00E-17	0.610501
0.496862	1.74E-30	0.397908	3.62E-19	0.230559	4.73E-07	0.50268	2.84E-31	0.566581
0.596999	1.96E-46	0.393294	1.00E-18	0.391645	1.44E-18	0.272625	2.10E-09	0.186534
0.437004	3.35E-23	0.23528	2.70E-07	0.063205	0.1727	0.396291	5.18E-19	0.411083
0.52587	1.44E-34	0.476338	7.98E-28	0.3192	1.60E-12	0.342158	2.85E-14	0.258368
0.338973	5.09E-14	0.342251	2.80E-14	0.135483	0.00335	0.268478	3.75E-09	0.48069
0.647329	8.33E-57	0.815553	#####	0.612602	1.89E-49	0.467652	9.44E-27	0.565929
0.690295	2.37E-67	0.342995	2.44E-14	0.330628	2.25E-13	0.237891	1.97E-07	0.183208
0.314877	3.30E-12	0.599167	7.64E-47	0.265081	5.97E-09	0.319862	1.44E-12	0.661231
0.762231	7.10E-90	0.682633	2.45E-65	0.434558	6.21E-23	0.546871	8.86E-38	0.684713
0.620523	4.78E-51	0.69989	5.79E-70	0.546898	8.78E-38	0.494604	3.49E-30	0.62383
0.498481	1.06E-30	0.578839	3.99E-43	0.441862	9.69E-24	0.454423	3.56E-25	0.627089
0.673252	5.90E-63	0.670672	2.58E-62	0.497332	1.51E-30	0.459583	8.81E-26	0.491242
0.36499	3.66E-16	0.271427	2.49E-09	0.245964	7.28E-08	0.218922	1.79E-06	0.303894
0.769038	2.01E-92	0.590867	2.71E-45	0.517124	2.70E-33	0.430213	1.84E-22	0.405944
0.522661	4.26E-34	0.346322	1.32E-14	0.28611	3.01E-10	0.284964	3.56E-10	0.134818
0.401826	1.51E-19	0.537363	2.69E-36	0.316169	2.66E-12	0.419455	2.52E-21	0.447881
0.401673	1.56E-19	0.299169	4.12E-11	0.188093	4.31E-05	0.161615	0.00045	0.261499
0.374072	5.87E-17	0.363494	4.93E-16	0.100372	0.0301	0.27839	9.28E-10	0.443823
0.622285	2.08E-51	0.451425	7.93E-25	0.322313	9.47E-13	0.344896	1.72E-14	0.296277
0.540616	8.47E-37	0.533257	1.13E-35	0.356908	1.78E-15	0.503697	2.06E-31	0.520946
0.517825	2.14E-33	0.482454	1.34E-28	0.421437	1.57E-21	0.389502	2.28E-18	0.548258
0.300636	3.28E-11	0.302614	2.40E-11	-0.06609	0.15386	0.185128	5.70E-05	0.296213
0.548623	4.67E-38	0.439853	1.62E-23	0.398672	3.05E-19	0.337989	6.07E-14	0.500212
-0.43313	8.88E-23	-0.47206	2.72E-27	-0.33832	5.72E-14	-0.31994	1.42E-12	-0.35844
0.562713	2.35E-40	0.562312	2.74E-40	0.379731	1.82E-17	0.469598	5.46E-27	0.495722
0.553753	7.00E-39	0.486695	3.82E-29	0.342134	2.86E-14	0.369737	1.42E-16	0.582465
0.683675	1.31E-65	0.741234	1.58E-82	0.51761	2.30E-33	0.547841	6.22E-38	0.73066
0.328297	3.38E-13	0.427009	4.05E-22	0.215706	2.55E-06	0.285145	3.47E-10	0.376558
0.341658	3.12E-14	0.222083	1.25E-06	0.276024	1.30E-09	0.30447	1.79E-11	0.355732
0.753501	9.89E-87	0.646703	1.15E-56	0.463545	2.96E-26	0.543879	2.62E-37	0.734454
0.792183	#####	0.671018	2.12E-62	0.571432	7.81E-42	0.535612	4.98E-36	0.603991
0.650347	1.72E-57	0.741515	1.27E-82	0.527117	9.42E-35	0.496165	2.16E-30	0.68313

0.666682	2.44E-61	0.621635	2.83E-51	0.366724	2.59E-16	0.528866	5.18E-35	0.56861
0.522715	4.19E-34	0.433466	8.17E-23	0.151518	0.00102	0.421694	1.47E-21	0.523482
0.734605	2.35E-80	0.629692	5.93E-53	0.545619	1.40E-37	0.484798	6.71E-29	0.681551
0.530457	3.00E-35	0.488684	2.10E-29	0.272791	2.06E-09	0.443628	6.14E-24	0.667126
0.657356	4.11E-59	0.413894	9.40E-21	0.277792	1.01E-09	0.403184	1.11E-19	0.483139
0.596561	2.37E-46	0.463053	3.40E-26	0.354749	2.70E-15	0.445058	4.23E-24	0.288187
0.692021	8.17E-68	0.805893	#####	0.640358	2.97E-55	0.490986	1.05E-29	0.611183
0.665507	4.71E-61	0.728999	1.44E-78	0.595043	4.56E-46	0.498232	1.14E-30	0.539962
0.365264	3.47E-16	0.37639	3.64E-17	0.062028	0.18086	0.413301	1.08E-20	0.461311
0.596369	2.57E-46	0.623141	1.38E-51	0.433131	8.88E-23	0.418258	3.35E-21	0.54159
0.535178	5.80E-36	0.377747	2.75E-17	0.197797	1.67E-05	0.34946	7.35E-15	0.298794
0.582749	8.06E-44	0.585627	2.45E-44	0.361372	7.48E-16	0.422891	1.10E-21	0.555758
0.248954	4.99E-08	0.340516	3.84E-14	0.061567	0.18413	0.306728	1.25E-11	0.422675
0.618729	1.11E-50	0.381018	1.39E-17	0.351762	4.76E-15	0.284091	4.05E-10	0.268464
0.654349	2.07E-58	0.593259	9.80E-46	0.299508	3.91E-11	0.456924	1.81E-25	0.424238
0.471603	3.10E-27	0.504027	1.86E-31	0.458304	1.25E-25	0.468477	7.49E-27	0.501657
0.596303	2.65E-46	0.40302	1.15E-19	0.15668	0.00068	0.353602	3.36E-15	0.376436
0.524629	2.20E-34	0.616493	3.14E-50	0.368516	1.81E-16	0.37251	8.08E-17	0.518613
0.720521	5.98E-76	0.708902	1.63E-72	0.514294	6.84E-33	0.39824	3.36E-19	0.536048
0.481224	1.93E-28	0.271045	2.63E-09	0.148095	0.00133	0.386162	4.68E-18	0.407838
0.573479	3.46E-42	0.564342	1.25E-40	0.378935	2.15E-17	0.395664	5.95E-19	0.526039
0.596464	2.47E-46	0.592893	1.15E-45	0.412106	1.43E-20	0.517504	2.38E-33	0.555697
0.537327	2.72E-36	0.535403	5.36E-36	0.416614	4.95E-21	0.416462	5.13E-21	0.607671
0.404838	7.62E-20	0.451605	7.56E-25	0.229637	5.26E-07	0.23871	1.79E-07	0.451136
0.630536	3.93E-53	0.582973	7.35E-44	0.516279	3.57E-33	0.442417	8.40E-24	0.650426
0.361753	6.94E-16	0.292507	1.15E-10	0.043269	0.35083	0.395925	5.62E-19	0.517684
0.500055	6.46E-31	0.493257	5.27E-30	0.272981	2.00E-09	0.329313	2.83E-13	0.597254
0.696672	4.47E-69	0.620523	4.78E-51	0.597185	1.81E-46	0.521916	5.48E-34	0.603226
0.753011	1.47E-86	0.711768	2.40E-73	0.534799	6.62E-36	0.557753	1.56E-39	0.598531
0.438808	2.12E-23	0.444079	5.46E-24	0.29898	4.25E-11	0.251653	3.53E-08	0.440508
0.572054	6.10E-42	0.595848	3.22E-46	0.473456	1.83E-27	0.345191	1.63E-14	0.548054
0.369121	1.60E-16	0.430656	1.65E-22	0.31874	1.73E-12	0.419065	2.76E-21	0.574844
0.481871	1.59E-28	0.649287	3.00E-57	0.360655	8.61E-16	0.513936	7.69E-33	0.540579
0.620173	5.63E-51	0.456546	2.01E-25	0.153883	0.00085	0.458712	1.12E-25	0.469804
0.647946	6.04E-57	0.647373	8.14E-57	0.496878	1.73E-30	0.508155	4.99E-32	0.603343
0.560005	6.62E-40	0.595513	3.72E-46	0.462359	4.11E-26	0.473043	2.05E-27	0.696741
0.562812	2.26E-40	0.460613	6.65E-26	0.366507	2.71E-16	0.357564	1.57E-15	0.52381
0.339845	4.34E-14	0.287229	2.55E-10	0.211884	3.85E-06	0.29104	1.44E-10	0.238116
-0.25322	2.89E-08	-0.33428	1.18E-13	-0.16752	0.00028	-0.24117	1.32E-07	-0.08908
0.684888	6.34E-66	0.846043	#####	0.504428	1.64E-31	0.589746	4.36E-45	0.740912
0.422384	1.25E-21	0.273576	1.84E-09	0.029338	0.5271	0.198408	1.57E-05	0.397121
0.658934	1.75E-59	0.780374	7.25E-97	0.56154	3.68E-40	0.478287	4.54E-28	0.635603
0.539772	1.14E-36	0.534674	6.92E-36	0.360848	8.29E-16	0.254692	2.38E-08	0.237882
0.465301	1.82E-26	0.607498	1.91E-48	0.324167	6.90E-13	0.405752	6.19E-20	0.460362
0.53825	1.96E-36	0.25015	4.29E-08	0.113058	0.01451	0.297232	5.57E-11	0.179029

0.445705	3.58E-24	0.229644	5.26E-07	0.041555	0.37026	0.219478	1.68E-06	0.061999
0.302316	2.52E-11	0.226649	7.45E-07	0.049735	0.28346	0.196825	1.84E-05	0.393014
0.653291	3.63E-58	0.476979	6.63E-28	0.378736	2.24E-17	0.416955	4.57E-21	0.626957
0.431757	1.25E-22	0.366714	2.60E-16	0.072282	0.11879	0.412658	1.26E-20	0.407757
0.619421	8.02E-51	0.632362	1.61E-53	0.417284	4.22E-21	0.388078	3.10E-18	0.306304
0.595947	3.09E-46	0.47485	1.22E-27	0.328586	3.22E-13	0.467054	1.12E-26	0.441427
0.655118	1.37E-58	0.622766	1.65E-51	0.423764	8.93E-22	0.460183	7.48E-26	0.592264
0.666945	2.11E-61	0.54356	2.94E-37	0.461839	4.75E-26	0.444267	5.20E-24	0.519544
0.375879	4.05E-17	0.398599	3.10E-19	0.110959	0.01645	0.361187	7.75E-16	0.443871
0.502845	2.70E-31	0.222023	1.26E-06	0.032803	0.47946	0.352072	4.49E-15	0.147845
0.691946	8.56E-68	0.616262	3.50E-50	0.429664	2.10E-22	0.440839	1.26E-23	0.459725
0.360757	8.43E-16	0.35638	1.97E-15	0.290719	1.51E-10	0.416031	5.68E-21	0.441997
0.397822	3.69E-19	0.546652	9.60E-38	0.21475	2.83E-06	0.283861	4.19E-10	0.387513
0.632559	1.46E-53	0.67218	1.09E-62	0.391263	1.56E-18	0.443734	5.97E-24	0.503935
0.741462	1.32E-82	0.721895	2.28E-76	0.456013	2.32E-25	0.543536	2.97E-37	0.636299
0.400532	2.02E-19	0.50924	3.52E-32	0.335157	1.01E-13	0.33386	1.27E-13	0.373055
0.547412	7.28E-38	0.349478	7.33E-15	0.259066	1.34E-08	0.346595	1.26E-14	0.423432
0.565487	8.04E-41	0.528254	6.39E-35	0.414225	8.70E-21	0.293571	9.79E-11	0.425281
0.631271	2.74E-53	0.680048	1.13E-64	0.62915	7.72E-53	0.512584	1.19E-32	0.56973
0.555659	3.43E-39	0.560245	6.05E-40	0.374418	5.47E-17	0.504479	1.61E-31	0.533226
0.485058	6.21E-29	0.363957	4.50E-16	0.062809	0.17541	0.363327	5.09E-16	0.31024
0.323464	7.78E-13	0.430947	1.53E-22	0.175316	0.00014	0.356374	1.97E-15	0.429116
0.534809	6.60E-36	0.525305	1.75E-34	0.219325	1.71E-06	0.36712	2.40E-16	0.45391
0.438428	2.33E-23	0.544291	2.26E-37	0.392665	1.15E-18	0.366283	2.83E-16	0.548106
0.490639	1.17E-29	0.329291	2.84E-13	0.072692	0.11671	0.455652	2.56E-25	0.5683
0.582765	8.01E-44	0.25757	1.63E-08	0.170546	0.00021	0.299315	4.03E-11	0.311638
-0.31987	1.43E-12	-0.32004	1.39E-12	-0.37549	4.39E-17	-0.198	1.63E-05	-0.26498
0.687047	1.72E-66	0.815315	#####	0.590712	2.90E-45	0.46395	2.65E-26	0.527866
0.65465	1.76E-58	0.730336	5.44E-79	0.536354	3.84E-36	0.511506	1.69E-32	0.586304
0.282539	5.08E-10	0.280625	6.72E-10	0.004338	0.92552	0.126957	0.00601	0.212948
0.650477	1.61E-57	0.684027	1.06E-65	0.448915	1.54E-24	0.501229	4.48E-31	0.58415
0.38408	7.29E-18	0.372224	8.56E-17	0.134795	0.00352	0.411314	1.72E-20	0.445314
0.596996	1.96E-46	0.542009	5.14E-37	0.279466	7.95E-10	0.437043	3.32E-23	0.697828
0.733982	3.73E-80	0.606222	3.38E-48	0.460307	7.23E-26	0.410254	2.20E-20	0.535474
0.706509	7.92E-72	0.785174	7.91E-99	0.589264	5.34E-45	0.436522	3.79E-23	0.578564
0.562778	2.29E-40	0.541741	5.66E-37	0.316804	2.40E-12	0.594866	4.92E-46	0.652393
0.439835	1.63E-23	0.219098	1.75E-06	0.142196	0.00207	0.188955	3.97E-05	0.177379
0.525416	1.68E-34	0.645156	2.56E-56	0.371774	9.38E-17	0.512137	1.38E-32	0.719036
0.484777	6.75E-29	0.490831	1.10E-29	0.227846	6.48E-07	0.381656	1.22E-17	0.451883
0.655228	1.29E-58	0.651672	8.56E-58	0.588671	6.85E-45	0.419961	2.23E-21	0.494708
0.588413	7.64E-45	0.600931	3.53E-47	0.592509	1.35E-45	0.38943	2.32E-18	0.445986
0.662893	2.01E-60	0.594518	5.71E-46	0.498471	1.06E-30	0.436715	3.61E-23	0.412419
0.545503	1.46E-37	0.592119	1.59E-45	0.425629	5.67E-22	0.425252	6.22E-22	0.646127
0.529754	3.82E-35	0.371958	9.04E-17	0.304033	1.92E-11	0.305702	1.47E-11	0.346483
0.584819	3.42E-44	0.58067	1.89E-43	0.350114	6.50E-15	0.451772	7.23E-25	0.67341

0.54463	2.00E-37	0.601796	2.41E-47	0.374989	4.86E-17	0.412841	1.20E-20	0.572532
0.4204	2.01E-21	0.331915	1.79E-13	0.273532	1.85E-09	0.227512	6.74E-07	0.227891
0.602779	1.56E-47	0.408313	3.44E-20	0.279595	7.80E-10	0.493134	5.47E-30	0.600694
0.456062	2.29E-25	0.471842	2.89E-27	0.365488	3.32E-16	0.21951	1.67E-06	0.543927
0.412313	1.36E-20	0.570694	1.05E-41	0.328398	3.32E-13	0.388341	2.93E-18	0.626233
0.556122	2.88E-39	0.587662	1.05E-44	0.323469	7.78E-13	0.553049	9.10E-39	0.737431
0.586391	1.78E-44	0.491983	7.76E-30	0.320483	1.29E-12	0.308006	1.02E-11	0.322293
0.39831	3.31E-19	0.381147	1.35E-17	0.265774	5.44E-09	0.24193	1.20E-07	0.270045
0.644599	3.42E-56	0.435919	4.41E-23	0.168307	0.00026	0.380264	1.63E-17	0.276441
0.374424	5.46E-17	0.430617	1.66E-22	0.109196	0.01825	0.384637	6.48E-18	0.54917
0.355962	2.14E-15	0.339269	4.82E-14	0.12879	0.00531	0.18401	6.33E-05	0.271794
0.588125	8.62E-45	0.705818	1.25E-71	0.503734	2.04E-31	0.485833	4.93E-29	0.678908
0.4947	3.39E-30	0.471359	3.32E-27	0.330656	2.24E-13	0.336408	8.07E-14	0.310455
0.748635	4.92E-85	0.555268	3.97E-39	0.410544	2.05E-20	0.408261	3.48E-20	0.612985
0.554149	6.04E-39	0.56734	3.91E-41	0.377613	2.83E-17	0.50387	1.95E-31	0.606426
0.504398	1.65E-31	0.553176	8.68E-39	0.298479	4.59E-11	0.507521	6.11E-32	0.62629
0.543929	2.58E-37	0.492302	7.04E-30	0.450808	9.35E-25	0.415366	6.65E-21	0.426168
0.612156	2.31E-49	0.507772	5.64E-32	0.37798	2.62E-17	0.305845	1.44E-11	0.298978
0.59738	1.66E-46	0.576976	8.49E-43	0.571663	7.12E-42	0.281748	5.71E-10	0.383714
0.606446	3.06E-48	0.240049	1.52E-07	0.098171	0.03393	0.346586	1.26E-14	0.170399
0.531121	2.38E-35	0.383997	7.42E-18	0.206187	7.05E-06	0.343978	2.04E-14	0.325384
0.500699	5.29E-31	0.458889	1.06E-25	0.325179	5.80E-13	0.370841	1.13E-16	0.354559
0.522023	5.28E-34	0.641606	1.58E-55	0.445663	3.62E-24	0.417977	3.58E-21	0.676734
0.45533	2.79E-25	0.527648	7.86E-35	0.358782	1.24E-15	0.248014	5.62E-08	0.55949
0.213719	3.16E-06	0.408368	3.40E-20	0.080569	0.08199	0.34846	8.87E-15	0.399302
0.633052	1.14E-53	0.714266	4.44E-74	0.456061	2.29E-25	0.50819	4.93E-32	0.559809
-0.33459	1.12E-13	-0.29885	4.34E-11	-0.23758	2.05E-07	-0.24007	1.51E-07	-0.28989
0.808067	#####	0.675987	1.22E-63	0.45628	2.16E-25	0.531929	1.80E-35	0.495931
0.613006	1.57E-49	0.385319	5.60E-18	0.351594	4.92E-15	0.2688	3.59E-09	0.153599
0.46115	5.74E-26	0.29208	1.23E-10	0.173896	0.00016	0.390486	1.85E-18	0.441324
0.600481	4.30E-47	0.444661	4.69E-24	0.428494	2.81E-22	0.338	6.06E-14	0.281951
-0.27375	1.80E-09	-0.42939	2.25E-22	-0.34517	1.64E-14	-0.27963	7.76E-10	-0.3285
0.378895	2.17E-17	0.386502	4.35E-18	0.206138	7.09E-06	0.265944	5.31E-09	0.179919
0.585627	2.45E-44	0.640571	2.67E-55	0.429742	2.06E-22	0.446672	2.78E-24	0.481884
0.349263	7.63E-15	0.386797	4.09E-18	0.275816	1.34E-09	0.215739	2.54E-06	0.335909
0.689315	4.32E-67	0.562284	2.77E-40	0.441826	9.78E-24	0.387616	3.43E-18	0.363739
0.61004	6.06E-49	0.53729	2.76E-36	0.535354	5.45E-36	0.339467	4.65E-14	0.193457
0.700238	4.63E-70	0.576296	1.12E-42	0.360539	8.80E-16	0.376678	3.43E-17	0.33294
0.615265	5.55E-50	0.63734	1.36E-54	0.557547	1.68E-39	0.460078	7.69E-26	0.414553
0.453382	4.71E-25	0.364648	3.92E-16	0.38664	4.23E-18	0.271865	2.34E-09	0.438454
0.673462	5.23E-63	0.796499	#####	0.525979	1.39E-34	0.497999	1.23E-30	0.590525
0.478364	4.44E-28	0.597906	1.32E-46	0.298749	4.40E-11	0.308519	9.34E-12	0.433839
0.347129	1.14E-14	0.472691	2.27E-27	0.213879	3.11E-06	0.335364	9.73E-14	0.468087
0.678798	2.36E-64	0.46849	7.46E-27	0.452617	5.77E-25	0.284562	3.78E-10	0.266313
0.622355	2.01E-51	0.540197	9.83E-37	0.37653	3.54E-17	0.491045	1.03E-29	0.465579



0.618418	1.28E-50	0.584054	4.70E-44	0.555329	3.88E-39	0.432324	1.09E-22	0.357573
0.498102	1.19E-30	0.239247	1.67E-07	0.122168	0.00822	0.354092	3.06E-15	0.308845
0.295671	7.09E-11	0.432853	9.52E-23	0.180425	8.83E-05	0.300776	3.21E-11	0.478229
0.619305	8.46E-51	0.665075	5.99E-61	0.500985	4.83E-31	0.4528	5.50E-25	0.48282
0.632373	1.60E-53	0.71573	1.64E-74	0.443231	6.80E-24	0.533369	1.09E-35	0.668131
0.588457	7.49E-45	0.602738	1.59E-47	0.441161	1.16E-23	0.483859	8.86E-29	0.571886
0.619863	6.52E-51	0.436662	3.65E-23	0.196084	1.98E-05	0.359037	1.18E-15	0.462968
-0.24695	6.44E-08	-0.28035	6.99E-10	-0.09357	0.04327	-0.25193	3.41E-08	-0.41596
0.659284	1.45E-59	0.661079	5.43E-60	0.562275	2.78E-40	0.450069	1.14E-24	0.593519
0.634146	6.66E-54	0.498073	1.20E-30	0.411422	1.67E-20	0.449106	1.47E-24	0.562901
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0.67356	4.95E-63	0.568247	2.74E-41	0.534598	7.10E-36	0.333926	1.26E-13	0.577739
0.330163	2.44E-13	0.366391	2.77E-16	0.160227	0.00051	0.284244	3.96E-10	0.369663
0.456381	2.10E-25	0.243603	9.78E-08	0.090543	0.05053	0.18468	5.95E-05	0.170232
0.756918	6.03E-88	0.642297	1.11E-55	0.457504	1.55E-25	0.491675	8.52E-30	0.647428
0.457447	1.57E-25	0.429167	2.38E-22	0.126392	0.00624	0.306371	1.32E-11	0.469705
0.415818	5.98E-21	0.375578	4.31E-17	0.144371	0.00176	0.208047	5.80E-06	0.130656
0.393346	9.90E-19	0.605637	4.40E-48	0.353967	3.13E-15	0.471325	3.35E-27	0.660005
0.583289	6.45E-44	0.57768	6.39E-43	0.30471	1.72E-11	0.496332	2.05E-30	0.580004
0.335864	8.90E-14	0.311855	5.43E-12	0.111791	0.01565	0.276923	1.14E-09	0.588829
0.6994	7.91E-70	0.664055	1.06E-60	0.551071	1.90E-38	0.510814	2.12E-32	0.618729
0.699369	8.07E-70	0.584845	3.39E-44	0.363811	4.63E-16	0.461317	5.48E-26	0.639255
0.511179	1.88E-32	0.452005	6.80E-25	0.291008	1.44E-10	0.402201	1.38E-19	0.381887
0.604745	6.54E-48	0.276184	1.27E-09	0.253869	2.65E-08	0.180275	8.95E-05	0.102676
0.432145	1.14E-22	0.221667	1.31E-06	0.266432	4.97E-09	0.257046	1.75E-08	0.196597
0.547038	8.34E-38	0.498822	9.49E-31	0.174007	0.00016	0.321251	1.13E-12	0.463558
0.444317	5.13E-24	0.446889	2.63E-24	0.085799	0.06394	0.449742	1.24E-24	0.614785
0.745371	6.42E-84	0.65069	1.44E-57	0.513714	8.26E-33	0.513384	9.20E-33	0.712634
0.586029	2.07E-44	0.423613	9.26E-22	0.418102	3.48E-21	0.316885	2.36E-12	0.523012
0.571831	6.66E-42	0.384406	6.80E-18	0.230595	4.71E-07	0.397527	3.94E-19	0.379668
0.635319	3.72E-54	0.473681	1.71E-27	0.274289	1.66E-09	0.556416	2.58E-39	0.473836
0.574054	2.75E-42	0.570684	1.05E-41	0.284375	3.88E-10	0.455165	2.92E-25	0.392929
0.368439	1.84E-16	0.534862	6.48E-36	0.291001	1.45E-10	0.34208	2.89E-14	0.632286
0.498229	1.14E-30	0.259739	1.23E-08	0.185557	5.48E-05	0.455996	2.33E-25	0.433622
0.604409	7.60E-48	0.572453	5.21E-42	0.295763	6.99E-11	0.386212	4.63E-18	0.546795
0.445695	3.59E-24	0.321089	1.17E-12	0.226974	7.17E-07	0.384918	6.10E-18	0.450284
0.504191	1.76E-31	0.480039	2.73E-28	0.298473	4.60E-11	0.28918	1.90E-10	0.440778
0.684747	6.90E-66	0.594706	5.27E-46	0.47312	2.01E-27	0.479281	3.40E-28	0.559416
0.483877	8.82E-29	0.377457	2.92E-17	0.251875	3.43E-08	0.291521	1.34E-10	0.413919
0.286686	2.76E-10	0.463315	3.16E-26	0.260585	1.10E-08	0.253689	2.72E-08	0.289377
0.473404	1.85E-27	0.428255	2.98E-22	0.231856	4.06E-07	0.262338	8.66E-09	0.277445
0.670673	2.58E-62	0.718477	2.47E-75	0.52122	6.91E-34	0.488869	1.99E-29	0.518517
0.715008	2.68E-74	0.50199	3.53E-31	0.45291	5.34E-25	0.371933	9.08E-17	0.242849
0.422632	1.17E-21	0.393533	9.51E-19	0.337144	7.07E-14	0.348706	8.47E-15	0.310444
-0.57346	3.48E-42	-0.56878	2.23E-41	-0.47136	3.31E-27	-0.37914	2.06E-17	-0.3234

0.605261	5.20E-48	0.504536	1.58E-31	0.33741	6.74E-14	0.444371	5.06E-24	0.48971
0.343329	2.30E-14	0.41955	2.46E-21	0.148095	0.00133	0.390122	2.00E-18	0.438818
0.553532	7.60E-39	0.535359	5.44E-36	0.270946	2.66E-09	0.498229	1.14E-30	0.493615
0.380178	1.66E-17	0.339828	4.36E-14	0.211604	3.97E-06	0.235146	2.74E-07	0.30281
0.704454	3.04E-71	0.685113	5.54E-66	0.462728	3.72E-26	0.613109	1.50E-49	0.653463
0.721913	2.26E-76	0.55868	1.10E-39	0.464331	2.38E-26	0.399563	2.50E-19	0.470938
0.694247	2.05E-68	0.561461	3.80E-40	0.421154	1.68E-21	0.391106	1.61E-18	0.538558
0.685497	4.39E-66	0.817346	#####	0.616225	3.56E-50	0.548471	4.94E-38	0.61423
0.639725	4.10E-55	0.713483	7.56E-74	0.350822	5.69E-15	0.434474	6.34E-23	0.53301
0.53559	5.02E-36	0.388318	2.95E-18	0.062033	0.18082	0.425615	5.69E-22	0.362418
0.375614	4.28E-17	0.295053	7.80E-11	0.174889	0.00015	0.320172	1.36E-12	0.449995
0.637112	1.52E-54	0.434702	5.99E-23	0.312201	5.13E-12	0.331499	1.93E-13	0.246112
0.529608	4.01E-35	0.599985	5.34E-47	0.392854	1.10E-18	0.543786	2.71E-37	0.715339
-0.29427	8.79E-11	-0.40223	1.38E-19	-0.31283	4.63E-12	-0.24313	1.04E-07	-0.27072
0.609649	7.24E-49	0.666875	2.19E-61	0.491411	9.23E-30	0.517332	2.52E-33	0.64981
0.749514	2.44E-85	0.477072	6.46E-28	0.452083	6.66E-25	0.4384	2.35E-23	0.503135
0.796705	#####	0.687794	1.09E-66	0.469039	6.39E-27	0.534882	6.43E-36	0.628147
0.680854	7.03E-65	0.570935	9.51E-42	0.455965	2.35E-25	0.470572	4.15E-27	0.498123
0.567956	3.07E-41	0.377857	2.69E-17	0.171939	0.00019	0.366085	2.95E-16	0.316133
0.662919	1.98E-60	0.52388	2.83E-34	0.28992	1.70E-10	0.461697	4.94E-26	0.388893
0.765473	4.45E-91	0.685938	3.37E-66	0.498388	1.09E-30	0.420431	1.99E-21	0.464329
0.552274	1.21E-38	0.329478	2.75E-13	0.219174	1.74E-06	0.333439	1.37E-13	0.283099
0.77947	1.68E-96	0.633778	7.99E-54	0.546707	9.41E-38	0.503184	2.42E-31	0.525147
0.80441	#####	0.835939	#####	0.680906	6.82E-65	0.58482	3.42E-44	0.706585
0.796045	#####	0.670313	3.16E-62	0.506743	7.84E-32	0.439682	1.69E-23	0.492026
0.59331	9.59E-46	0.469381	5.81E-27	0.231336	4.31E-07	0.408721	3.13E-20	0.289248
0.365645	3.22E-16	0.306079	1.38E-11	0.192186	2.90E-05	0.173289	0.00017	0.202279
0.689581	3.67E-67	0.564696	1.09E-40	0.353677	3.31E-15	0.373265	6.92E-17	0.305221
0.401364	1.67E-19	0.337253	6.94E-14	0.109326	0.01811	0.296438	6.30E-11	0.454278
0.32258	9.05E-13	0.153776	0.00086	0.082136	0.07619	0.213388	3.28E-06	0.291696
0.476931	6.73E-28	0.326388	4.71E-13	0.322262	9.56E-13	0.352179	4.40E-15	0.399064
0.717608	4.51E-75	0.696114	6.35E-69	0.48558	5.32E-29	0.564585	1.14E-40	0.703987
0.412281	1.37E-20	0.344155	1.97E-14	0.275199	1.46E-09	0.329615	2.69E-13	0.468989
0.633016	1.16E-53	0.736332	6.46E-81	0.534821	6.57E-36	0.456272	2.16E-25	0.565669
0.752702	1.89E-86	0.558124	1.35E-39	0.454507	3.48E-25	0.496059	2.23E-30	0.58169
0.692472	6.18E-68	0.493451	4.96E-30	0.355554	2.31E-15	0.488832	2.01E-29	0.532376
0.619307	8.46E-51	0.419348	2.58E-21	0.214177	3.01E-06	0.364062	4.40E-16	0.480335
0.545572	1.42E-37	0.240614	1.41E-07	0.137985	0.00281	0.291695	1.30E-10	0.215865
0.372542	8.02E-17	0.477718	5.35E-28	0.178947	0.0001	0.430512	1.71E-22	0.601641
0.619161	9.06E-51	0.620651	4.50E-51	0.387086	3.84E-18	0.37293	7.41E-17	0.480445
0.240058	1.51E-07	0.275587	1.38E-09	0.073702	0.1117	0.224224	9.83E-07	0.212855
0.549246	3.72E-38	0.589885	4.11E-45	0.389416	2.33E-18	0.324862	6.13E-13	0.374989
0.499719	7.18E-31	0.523551	3.16E-34	0.300857	3.17E-11	0.336295	8.24E-14	0.34292
0.614543	7.74E-50	0.471776	2.95E-27	0.207356	6.24E-06	0.352157	4.42E-15	0.338615
0.478157	4.71E-28	0.556592	2.42E-39	0.351857	4.68E-15	0.530938	2.54E-35	0.577446

0.735556	1.16E-80	0.806249	#####	0.578883	3.92E-43	0.464197	2.47E-26	0.557933
-0.34104	3.49E-14	-0.24262	1.11E-07	-0.13695	0.00302	-0.29946	3.94E-11	-0.36814
0.441905	9.58E-24	0.23897	1.73E-07	0.261037	1.03E-08	0.217046	2.20E-06	0.297506
0.615535	4.90E-50	0.374665	5.20E-17	0.39421	8.19E-19	0.317665	2.08E-12	0.451289
0.48648	4.07E-29	0.55854	1.16E-39	0.237527	2.06E-07	0.487284	3.20E-29	0.637
0.459738	8.44E-26	0.544605	2.02E-37	0.282963	4.78E-10	0.35697	1.76E-15	0.404362
-0.41859	3.09E-21	-0.43318	8.78E-23	-0.38604	4.80E-18	-0.20844	5.56E-06	-0.19261
0.323299	8.01E-13	0.390017	2.04E-18	0.085248	0.06567	0.423366	9.83E-22	0.550353
-0.40256	1.28E-19	-0.56041	5.68E-40	-0.38809	3.10E-18	-0.3206	1.27E-12	-0.44158
0.784961	9.70E-99	0.610303	5.38E-49	0.453694	4.33E-25	0.563142	1.99E-40	0.660788
0.622248	2.12E-51	0.536051	4.27E-36	0.363634	4.79E-16	0.426424	4.67E-22	0.499167
0.341371	3.29E-14	0.394435	7.80E-19	0.16513	0.00034	0.275474	1.41E-09	0.385066
0.657047	4.86E-59	0.389221	2.43E-18	0.303344	2.14E-11	0.490297	1.29E-29	0.506194
0.412086	1.43E-20	0.196012	1.99E-05	0.030041	0.51724	0.382235	1.08E-17	0.392361
0.632612	1.42E-53	0.668145	1.08E-61	0.601997	2.21E-47	0.458052	1.34E-25	0.619013
0.69988	5.83E-70	0.487393	3.10E-29	0.304702	1.72E-11	0.539927	1.08E-36	0.413271
0.462522	3.93E-26	0.448366	1.78E-24	0.28502	3.53E-10	0.34622	1.35E-14	0.424328
0.572487	5.14E-42	0.484111	8.23E-29	0.205829	7.32E-06	0.452142	6.56E-25	0.534652
0.567891	3.15E-41	0.591164	2.39E-45	0.319923	1.42E-12	0.560152	6.26E-40	0.654244
0.589066	5.80E-45	0.526337	1.23E-34	0.477913	5.06E-28	0.453994	4.00E-25	0.33123
0.795666	#####	0.720204	7.46E-76	0.590002	3.91E-45	0.626546	2.72E-52	0.673402
0.675116	2.02E-63	0.586499	1.70E-44	0.49414	4.02E-30	0.37771	2.77E-17	0.399788
0.355935	2.15E-15	0.238484	1.84E-07	-0.01582	0.73307	0.286509	2.83E-10	0.300183
0.507826	5.55E-32	0.313973	3.83E-12	0.199985	1.34E-05	0.453739	4.28E-25	0.55508
0.388957	2.57E-18	0.273534	1.85E-09	0.199491	1.40E-05	0.279725	7.65E-10	0.507732
0.572931	4.30E-42	0.615429	5.14E-50	0.416122	5.56E-21	0.408217	3.52E-20	0.502051
0.455325	2.79E-25	0.551307	1.74E-38	0.236003	2.48E-07	0.38851	2.83E-18	0.585925
0.374038	5.91E-17	0.374183	5.74E-17	0.254787	2.36E-08	0.615058	6.11E-50	0.444809
0.589151	5.60E-45	0.576546	1.01E-42	0.374069	5.87E-17	0.397945	3.59E-19	0.58302
0.539449	1.28E-36	0.425236	6.24E-22	0.320791	1.23E-12	0.440949	1.22E-23	0.5065
0.732342	1.25E-79	0.530108	3.38E-35	0.411329	1.71E-20	0.437791	2.74E-23	0.493209
-0.5119	1.49E-32	-0.4395	1.78E-23	-0.40473	7.81E-20	-0.41096	1.86E-20	-0.53642
0.673541	5.00E-63	0.625579	4.32E-52	0.444189	5.31E-24	0.492161	7.35E-30	0.573944
-0.39229	1.25E-18	-0.34092	3.57E-14	-0.3508	5.72E-15	-0.20979	4.82E-06	-0.15876
0.710846	4.46E-73	0.790692	#####	0.562039	3.04E-40	0.61656	3.05E-50	0.672938
0.517097	2.72E-33	0.527807	7.44E-35	0.364322	4.18E-16	0.470333	4.44E-27	0.588251
0.371645	9.63E-17	0.291095	1.43E-10	0.245617	7.61E-08	0.119988	0.00945	0.053562
0.703108	7.29E-71	0.601832	2.38E-47	0.446458	2.94E-24	0.455568	2.62E-25	0.530107
0.626896	2.30E-52	0.555891	3.14E-39	0.442713	7.78E-24	0.326061	4.98E-13	0.428702
0.588479	7.43E-45	0.418	3.56E-21	0.309527	7.94E-12	0.440357	1.43E-23	0.428627
0.480383	2.46E-28	0.391278	1.55E-18	0.184862	5.85E-05	0.395324	6.41E-19	0.517889
-0.30219	2.57E-11	-0.34449	1.85E-14	-0.3245	6.52E-13	-0.27962	7.77E-10	-0.47175
0.412436	1.32E-20	0.518871	1.51E-33	0.31366	4.04E-12	0.360411	9.02E-16	0.378315
0.394129	8.34E-19	0.460866	6.20E-26	0.279342	8.09E-10	0.280771	6.58E-10	0.458438
0.691979	8.39E-68	0.687801	1.09E-66	0.481095	2.00E-28	0.446167	3.17E-24	0.52759

0.230221	4.92E-07	0.311653	5.61E-12	0.055238	0.23349	0.300084	3.58E-11	0.470796
0.425798	5.44E-22	0.474891	1.21E-27	0.265477	5.66E-09	0.458579	1.16E-25	0.477634
0.593999	7.14E-46	0.720309	6.93E-76	0.508515	4.45E-32	0.443351	6.59E-24	0.674325
0.303907	1.96E-11	0.386803	4.08E-18	0.073239	0.11397	0.219236	1.72E-06	0.284506
0.270468	2.85E-09	0.422456	1.22E-21	0.105995	0.02197	0.322888	8.59E-13	0.479517
0.345917	1.42E-14	0.456963	1.80E-25	0.153789	0.00085	0.381085	1.37E-17	0.426069
0.578636	4.34E-43	0.457775	1.44E-25	0.40422	8.77E-20	0.246017	7.24E-08	0.217941
0.202189	1.07E-05	0.302067	2.62E-11	0.04551	0.32642	0.226294	7.76E-07	0.204392
0.239113	1.70E-07	0.36437	4.14E-16	0.103898	0.02475	0.196283	1.94E-05	0.186863
0.679272	1.79E-64	0.539143	1.43E-36	0.350718	5.80E-15	0.510493	2.35E-32	0.402353
0.392341	1.23E-18	0.455188	2.90E-25	0.224125	9.94E-07	0.2978	5.10E-11	0.432047
0.425471	5.89E-22	0.514868	5.67E-33	0.226119	7.91E-07	0.441965	9.43E-24	0.668238
0.313045	4.47E-12	0.314782	3.35E-12	0.110209	0.0172	0.280157	7.19E-10	0.261289
0.584349	4.16E-44	0.373424	6.70E-17	0.316387	2.57E-12	0.299717	3.79E-11	0.203842
0.504702	1.50E-31	0.357685	1.53E-15	0.048613	0.29448	0.348676	8.52E-15	0.567189
0.281118	6.26E-10	0.267874	4.08E-09	0.140223	0.00239	0.337728	6.37E-14	0.397323
0.662739	2.18E-60	0.634272	6.26E-54	0.334242	1.19E-13	0.53639	3.79E-36	0.614003
0.534408	7.59E-36	0.68884	5.78E-67	0.470658	4.05E-27	0.386024	4.82E-18	0.552158
0.62038	5.11E-51	0.388754	2.68E-18	0.396671	4.76E-19	0.332559	1.60E-13	0.330453
0.492296	7.06E-30	0.358655	1.27E-15	0.302574	2.42E-11	0.403542	1.02E-19	0.478854
0.424289	7.86E-22	0.486901	3.59E-29	0.371039	1.09E-16	0.287199	2.56E-10	0.336829
0.637087	1.54E-54	0.577295	7.47E-43	0.49919	8.46E-31	0.364552	4.00E-16	0.610053
0.309827	7.56E-12	0.260799	1.06E-08	0.058972	0.20335	0.267024	4.58E-09	0.415916
0.544359	2.21E-37	0.384812	6.24E-18	0.330638	2.25E-13	0.496349	2.04E-30	0.477204
0.449302	1.39E-24	0.736354	6.36E-81	0.396974	4.45E-19	0.381319	1.31E-17	0.508715
0.414122	8.91E-21	0.368166	1.94E-16	0.233694	3.26E-07	0.381556	1.24E-17	0.35649
-0.36912	1.61E-16	-0.33354	1.35E-13	-0.26838	3.80E-09	-0.28121	6.17E-10	-0.32828
0.698189	1.71E-69	0.654154	2.29E-58	0.567342	3.90E-41	0.543513	2.99E-37	0.675999
0.367628	2.17E-16	0.33812	5.93E-14	0.308759	8.99E-12	0.332541	1.61E-13	0.285768
0.42046	1.98E-21	0.457892	1.40E-25	0.359294	1.12E-15	0.662233	2.88E-60	0.473522
0.789818	#####	0.705462	1.57E-71	0.539673	1.18E-36	0.499699	7.22E-31	0.645711
0.84155	#####	0.723957	5.33E-77	0.64131	1.83E-55	0.584397	4.08E-44	0.67448
0.601744	2.47E-47	0.832697	#####	0.48678	3.72E-29	0.491208	9.82E-30	0.588621
0.493133	5.47E-30	0.636476	2.09E-54	0.355066	2.54E-15	0.336033	8.63E-14	0.399026
0.571884	6.52E-42	0.527952	7.08E-35	0.342647	2.60E-14	0.472708	2.26E-27	0.694475
0.726966	6.23E-78	0.381871	1.16E-17	0.325667	5.33E-13	0.329956	2.53E-13	0.2397
0.506033	9.83E-32	0.560118	6.35E-40	0.276828	1.16E-09	0.472507	2.39E-27	0.618481
0.546241	1.11E-37	0.522918	3.91E-34	0.365917	3.05E-16	0.55848	1.18E-39	0.651318
0.370823	1.14E-16	0.385951	4.90E-18	0.179491	9.61E-05	0.295806	6.95E-11	0.529569
0.400795	1.90E-19	0.296579	6.17E-11	0.207757	5.98E-06	0.377567	2.86E-17	0.432716
0.469869	5.06E-27	0.460507	6.84E-26	0.360328	9.17E-16	0.379124	2.07E-17	0.562036
0.506071	9.71E-32	0.219329	1.71E-06	0.161044	0.00048	0.298188	4.81E-11	0.385448
0.556713	2.31E-39	0.342364	2.74E-14	0.128324	0.00548	0.388518	2.82E-18	0.394574
0.407734	3.93E-20	0.360669	8.58E-16	0.202021	1.09E-05	0.208063	5.79E-06	0.323187
0.648447	4.65E-57	0.521362	6.59E-34	0.340558	3.81E-14	0.529993	3.52E-35	0.682624

0.634983	4.40E-54	0.5994	6.90E-47	0.484696	6.92E-29	0.450202	1.10E-24	0.478594
0.503628	2.11E-31	0.288052	2.25E-10	0.172679	0.00018	0.343156	2.37E-14	0.388787
0.406089	5.73E-20	0.594044	7.00E-46	0.247035	6.37E-08	0.397313	4.13E-19	0.500089
0.241056	1.34E-07	0.347261	1.11E-14	0.125461	0.00663	0.123042	0.00777	0.302198
0.690296	2.37E-67	0.677861	4.09E-64	0.49718	1.58E-30	0.458262	1.26E-25	0.577921
0.701506	2.05E-70	0.728372	2.26E-78	0.499156	8.55E-31	0.53322	1.15E-35	0.611862
0.558224	1.30E-39	0.439323	1.86E-23	0.201497	1.15E-05	0.384666	6.44E-18	0.382757
0.547343	7.46E-38	0.390891	1.69E-18	0.277128	1.11E-09	0.427981	3.19E-22	0.669377
0.706828	6.42E-72	0.786371	2.52E-99	0.627914	1.40E-52	0.564148	1.35E-40	0.676753
0.569157	1.92E-41	0.587812	9.83E-45	0.319899	1.43E-12	0.388024	3.14E-18	0.650462
0.439404	1.82E-23	0.476214	8.27E-28	0.261073	1.03E-08	0.410645	2.01E-20	0.271032
0.638278	8.49E-55	0.6439	4.89E-56	0.48498	6.36E-29	0.392633	1.16E-18	0.682954
0.495422	2.71E-30	0.599187	7.57E-47	0.297279	5.53E-11	0.370216	1.29E-16	0.533399
0.609775	6.84E-49	0.752334	2.54E-86	0.504351	1.68E-31	0.446528	2.89E-24	0.508058
0.523449	3.27E-34	0.519064	1.42E-33	0.424547	7.38E-22	0.409182	2.81E-20	0.265711
0.634082	6.88E-54	0.614631	7.43E-50	0.527942	7.11E-35	0.458528	1.17E-25	0.644062
0.646808	1.09E-56	0.383233	8.72E-18	0.170512	0.00021	0.391985	1.33E-18	0.277877
0.61916	9.06E-51	0.649861	2.22E-57	0.541026	7.31E-37	0.466486	1.31E-26	0.600554
0.546819	9.03E-38	0.527011	9.77E-35	0.294064	9.08E-11	0.424712	7.09E-22	0.411985
0.598461	1.04E-46	0.44297	7.28E-24	0.230081	5.00E-07	0.475305	1.07E-27	0.547188
0.520412	9.06E-34	0.383483	8.27E-18	0.250583	4.06E-08	0.438906	2.07E-23	0.59058
0.671187	1.92E-62	0.528584	5.70E-35	0.382169	1.09E-17	0.488073	2.53E-29	0.602244
0.274728	1.56E-09	0.355064	2.54E-15	0.094311	0.04163	0.329427	2.78E-13	0.330265
0.7707	4.66E-93	0.799863	#####	0.627514	1.70E-52	0.534076	8.53E-36	0.605307
0.710561	5.40E-73	0.516811	2.99E-33	0.42674	4.32E-22	0.330906	2.14E-13	0.405336
0.61927	8.61E-51	0.657302	4.23E-59	0.461742	4.87E-26	0.483803	9.01E-29	0.541849
0.788649	#####	0.599166	7.64E-47	0.430936	1.54E-22	0.484352	7.66E-29	0.54037
0.575614	1.47E-42	0.726195	1.08E-77	0.442463	8.29E-24	0.44329	6.70E-24	0.595475
0.540579	8.58E-37	0.458838	1.08E-25	0.232302	3.85E-07	0.295627	7.14E-11	0.324912
0.383417	8.39E-18	0.382527	1.01E-17	0.205921	7.25E-06	0.343745	2.13E-14	0.426891
0.331701	1.86E-13	0.28848	2.11E-10	0.170617	0.00021	0.19896	1.48E-05	0.299063
0.35914	1.16E-15	0.227064	7.10E-07	0.164002	0.00037	0.266436	4.96E-09	0.292043
0.494567	3.53E-30	0.349872	6.81E-15	0.218156	1.94E-06	0.398596	3.11E-19	0.528503
0.794244	#####	0.499827	6.94E-31	0.357867	1.48E-15	0.469203	6.11E-27	0.428584
0.771253	2.85E-93	0.61566	4.62E-50	0.5035	2.19E-31	0.607058	2.33E-48	0.567886
0.452174	6.50E-25	0.293658	9.66E-11	0.051524	0.26649	0.362656	5.81E-16	0.360983
0.681939	3.70E-65	0.586501	1.70E-44	0.433633	7.84E-23	0.382912	9.33E-18	0.315392
0.649335	2.92E-57	0.653134	3.94E-58	0.465864	1.56E-26	0.520294	9.42E-34	0.493869
0.684681	7.18E-66	0.441395	1.09E-23	0.250435	4.13E-08	0.460718	6.46E-26	0.322606
0.352882	3.85E-15	0.457018	1.77E-25	0.271425	2.49E-09	0.272951	2.01E-09	0.18185
0.426285	4.83E-22	0.2541	2.58E-08	0.128289	0.0055	0.371005	1.10E-16	0.506772
0.449559	1.30E-24	0.630129	4.79E-53	0.308148	9.92E-12	0.426086	5.07E-22	0.492065
0.286378	2.89E-10	0.157016	0.00066	-0.01055	0.82006	0.311733	5.54E-12	0.432624
-0.41304	1.15E-20	-0.41761	3.91E-21	-0.46747	9.95E-27	-0.28952	1.81E-10	-0.30672
0.81759	#####	0.822728	#####	0.668558	8.53E-62	0.552148	1.27E-38	0.648841

0.425106	6.44E-22	0.429053	2.45E-22	0.304256	1.85E-11	0.365265	3.47E-16	0.493102
0.295442	7.35E-11	0.421674	1.48E-21	0.170647	0.00021	0.293201	1.04E-10	0.469366
0.402851	1.20E-19	0.408314	3.44E-20	0.131381	0.00446	0.341517	3.20E-14	0.500795
0.461319	5.48E-26	0.574926	1.94E-42	0.374248	5.66E-17	0.547236	7.76E-38	0.675799
-0.40695	4.70E-20	-0.33029	2.39E-13	-0.26998	3.05E-09	-0.21966	1.65E-06	-0.30768
0.375217	4.64E-17	0.274179	1.69E-09	0.22476	9.25E-07	0.281955	5.54E-10	0.458661
0.719039	1.68E-75	0.539489	1.26E-36	0.491262	9.66E-30	0.437268	3.13E-23	0.48291
0.60396	9.27E-48	0.506549	8.34E-32	0.212245	3.71E-06	0.398017	3.53E-19	0.408545
0.480872	2.14E-28	0.545027	1.73E-37	0.187997	4.35E-05	0.442942	7.33E-24	0.479251
0.671948	1.25E-62	0.569365	1.77E-41	0.321976	1.00E-12	0.46709	1.11E-26	0.526339
0.61011	5.87E-49	0.470987	3.69E-27	0.310731	6.53E-12	0.35162	4.89E-15	0.205064
0.737639	2.42E-81	0.753719	8.28E-87	0.580421	2.10E-43	0.543614	2.89E-37	0.54392
0.835624	#####	0.662943	1.95E-60	0.475777	9.38E-28	0.557561	1.68E-39	0.510261
0.78467	1.28E-98	0.586814	1.49E-44	0.351115	5.38E-15	0.52979	3.77E-35	0.510179
0.633373	9.76E-54	0.611174	3.62E-49	0.554656	5.00E-39	0.469379	5.81E-27	0.410857
0.39475	7.28E-19	0.391614	1.45E-18	0.311997	5.31E-12	0.198442	1.56E-05	0.454661
0.689797	3.22E-67	0.679416	1.64E-64	0.485689	5.15E-29	0.566652	5.11E-41	0.564753
0.487808	2.74E-29	0.625935	3.65E-52	0.384581	6.55E-18	0.414955	7.33E-21	0.653949
0.499337	8.09E-31	0.62245	1.92E-51	0.296529	6.21E-11	0.500994	4.82E-31	0.414998
0.468654	7.13E-27	0.208825	5.34E-06	0.101904	0.02766	0.371897	9.15E-17	0.341667
0.641474	1.69E-55	0.716616	8.93E-75	0.539348	1.33E-36	0.423414	9.72E-22	0.478526
0.382695	9.77E-18	0.345563	1.52E-14	0.343216	2.35E-14	0.425488	5.87E-22	0.373897
0.520321	9.34E-34	0.467279	1.05E-26	0.30338	2.13E-11	0.40565	6.33E-20	0.475617
0.673954	3.95E-63	0.447002	2.55E-24	0.187902	4.39E-05	0.405378	6.74E-20	0.347206
0.466034	1.48E-26	0.406384	5.35E-20	0.398117	3.46E-19	0.360719	8.50E-16	0.381661
0.471069	3.60E-27	0.462417	4.05E-26	0.371123	1.07E-16	0.400551	2.01E-19	0.629388
-0.45321	4.94E-25	-0.68098	6.52E-65	-0.41952	2.48E-21	-0.36307	5.35E-16	-0.43313
0.532201	1.64E-35	0.352098	4.47E-15	0.175902	0.00013	0.418908	2.87E-21	0.438012
-0.48627	4.34E-29	-0.35914	1.16E-15	-0.30044	3.38E-11	-0.33869	5.35E-14	-0.21343
0.301853	2.71E-11	0.433139	8.87E-23	0.251231	3.73E-08	0.309535	7.93E-12	0.301496
0.310588	6.68E-12	0.236685	2.28E-07	-0.04846	0.29597	0.215013	2.75E-06	0.351931
0.537984	2.16E-36	0.405921	5.95E-20	0.247112	6.30E-08	0.252983	2.98E-08	0.199483
0.606274	3.31E-48	0.660258	8.51E-60	0.424773	6.99E-22	0.450482	1.02E-24	0.558952
0.268486	3.75E-09	0.35363	3.34E-15	0.085173	0.06591	0.211225	4.14E-06	0.207596
0.425718	5.55E-22	0.497661	1.36E-30	0.327964	3.58E-13	0.337825	6.26E-14	0.460839
0.244171	9.12E-08	0.448312	1.81E-24	0.147657	0.00137	0.266246	5.10E-09	0.276536
0.633531	9.03E-54	0.670003	3.77E-62	0.448514	1.71E-24	0.368902	1.68E-16	0.57481
0.411469	1.66E-20	0.151674	0.00101	0.023231	0.61655	0.326486	4.63E-13	0.232049
0.32579	5.22E-13	0.263968	6.95E-09	0.18199	7.64E-05	0.435087	5.44E-23	0.430616
0.529921	3.60E-35	0.562474	2.58E-40	0.390571	1.81E-18	0.395248	6.52E-19	0.452899
0.592499	1.35E-45	0.476804	6.98E-28	0.227677	6.61E-07	0.49089	1.08E-29	0.556604
0.451964	6.87E-25	0.331244	2.02E-13	0.295173	7.66E-11	0.233597	3.30E-07	0.211397
0.554151	6.03E-39	0.665176	5.66E-61	0.493383	5.07E-30	0.471216	3.46E-27	0.722105
0.639763	4.02E-55	0.619372	8.21E-51	0.526451	1.18E-34	0.482542	1.31E-28	0.533442
0.65766	3.49E-59	0.540364	9.26E-37	0.45577	2.48E-25	0.412443	1.32E-20	0.39622

0.737791	2.16E-81	0.724937	2.66E-77	0.56334	1.85E-40	0.558811	1.04E-39	0.703459
0.695612	8.71E-69	0.707301	4.70E-72	0.550155	2.66E-38	0.482208	1.44E-28	0.564083
0.836759	#####	0.789275	#####	0.695177	1.14E-68	0.581129	1.57E-43	0.658572
0.672467	9.26E-63	0.666945	2.11E-61	0.511743	1.57E-32	0.501667	3.90E-31	0.67943
0.650867	1.31E-57	0.461513	5.19E-26	0.25252	3.16E-08	0.325241	5.74E-13	0.400304
0.633011	1.17E-53	0.634464	5.69E-54	0.403489	1.03E-19	0.537647	2.43E-36	0.735399
0.611517	3.10E-49	0.502599	2.91E-31	0.351785	4.74E-15	0.323358	7.93E-13	0.271677
0.549553	3.32E-38	0.394732	7.31E-19	0.205199	7.82E-06	0.385007	5.99E-18	0.184862
0.556612	2.40E-39	0.34916	7.78E-15	0.317682	2.07E-12	0.291411	1.36E-10	0.289984
0.386127	4.72E-18	0.37161	9.70E-17	0.188488	4.15E-05	0.209632	4.90E-06	0.126178
0.509707	3.03E-32	0.592822	1.18E-45	0.364138	4.34E-16	0.347715	1.02E-14	0.404009
0.64504	2.72E-56	0.50269	2.83E-31	0.202617	1.02E-05	0.46505	1.95E-26	0.377444
0.527186	9.21E-35	0.314711	3.39E-12	0.181061	8.32E-05	0.345879	1.44E-14	0.262891
0.590622	3.01E-45	0.750887	8.15E-86	0.418179	3.41E-21	0.529059	4.85E-35	0.61816
0.561414	3.87E-40	0.538541	1.77E-36	0.347965	9.73E-15	0.504526	1.59E-31	0.555709
0.715733	1.63E-74	0.576444	1.05E-42	0.364201	4.28E-16	0.568912	2.11E-41	0.609603
0.532797	1.33E-35	0.669744	4.36E-62	0.438999	2.02E-23	0.403071	1.14E-19	0.345851
0.409268	2.76E-20	0.388688	2.72E-18	0.266122	5.18E-09	0.296029	6.71E-11	0.593948
0.625334	4.86E-52	0.676711	8.00E-64	0.549616	3.24E-38	0.512319	1.30E-32	0.626559
0.58974	4.37E-45	0.710033	7.68E-73	0.506135	9.51E-32	0.552007	1.34E-38	0.665393
0.576371	1.08E-42	0.588072	8.81E-45	0.454491	3.50E-25	0.376583	3.50E-17	0.278877
0.635127	4.10E-54	0.667199	1.83E-61	0.483044	1.13E-28	0.476643	7.31E-28	0.559893
0.586943	1.41E-44	0.593569	8.58E-46	0.468845	6.75E-27	0.426926	4.13E-22	0.529919
0.733476	5.42E-80	0.75615	1.14E-87	0.585413	2.68E-44	0.565704	7.39E-41	0.696804
0.764178	1.35E-90	0.450142	1.12E-24	0.324249	6.81E-13	0.538981	1.52E-36	0.433494
0.705873	1.20E-71	0.64919	3.16E-57	0.531075	2.42E-35	0.458557	1.17E-25	0.520923
0.331517	1.92E-13	0.541339	6.54E-37	0.171525	0.0002	0.29812	4.86E-11	0.509339
0.635112	4.13E-54	0.751205	6.32E-86	0.449583	1.29E-24	0.497429	1.46E-30	0.536232
0.695473	9.50E-69	0.705136	1.95E-71	0.482745	1.23E-28	0.467056	1.12E-26	0.565558
0.539487	1.27E-36	0.533606	1.00E-35	0.395014	6.87E-19	0.45557	2.62E-25	0.643269
0.450855	9.23E-25	0.600116	5.05E-47	0.411642	1.59E-20	0.444815	4.51E-24	0.659695
0.531921	1.81E-35	0.501452	4.18E-31	0.265354	5.76E-09	0.383836	7.68E-18	0.507822
0.566684	5.05E-41	0.63667	1.90E-54	0.410573	2.04E-20	0.423976	8.48E-22	0.401438
-0.37137	1.02E-16	-0.11134	0.01608	-0.11254	0.01496	-0.08804	0.05728	-0.22592
0.583714	5.41E-44	0.32269	8.88E-13	0.129903	0.00493	0.449469	1.33E-24	0.552424
0.381773	1.19E-17	0.405315	6.83E-20	0.245385	7.83E-08	0.333595	1.33E-13	0.394278
0.602147	2.07E-47	0.552624	1.07E-38	0.498629	1.01E-30	0.33707	7.17E-14	0.559124
-0.36927	1.56E-16	-0.35107	5.43E-15	-0.24537	7.85E-08	-0.20104	1.20E-05	-0.28515
-0.35185	4.69E-15	-0.34062	3.77E-14	-0.28151	5.91E-10	-0.22972	5.21E-07	-0.20072
0.481733	1.66E-28	0.532664	1.39E-35	0.294011	9.15E-11	0.321183	1.15E-12	0.310743
0.631664	2.26E-53	0.603636	1.07E-47	0.528873	5.17E-35	0.387256	3.70E-18	0.510993
0.68283	2.17E-65	0.678395	2.99E-64	0.59458	5.56E-46	0.519109	1.40E-33	0.537252
-0.4487	1.63E-24	-0.2867	2.75E-10	-0.25215	3.32E-08	-0.15622	0.00071	-0.07137
0.388431	2.88E-18	0.494244	3.89E-30	0.241436	1.28E-07	0.253897	2.64E-08	0.355738
0.728433	2.16E-78	0.530281	3.18E-35	0.455839	2.43E-25	0.379617	1.86E-17	0.347025

0.69632	5.58E-69	0.779006	2.57E-96	0.505292	1.24E-31	0.575604	1.48E-42	0.635894
0.649745	2.36E-57	0.645022	2.75E-56	0.47434	1.42E-27	0.549139	3.86E-38	0.676544
-0.36364	4.79E-16	-0.27912	8.35E-10	-0.28912	1.92E-10	-0.13536	0.00338	-0.15822
0.672586	8.65E-63	0.559569	7.82E-40	0.539782	1.14E-36	0.425057	6.52E-22	0.567404
0.608104	1.45E-48	0.613447	1.28E-49	0.403744	9.77E-20	0.512223	1.34E-32	0.441309
-0.22825	6.19E-07	-0.36035	9.13E-16	-0.3167	2.44E-12	-0.2166	2.31E-06	-0.2878
0.392624	1.16E-18	0.253376	2.83E-08	0.073652	0.11194	0.248155	5.53E-08	0.166198
0.55561	3.49E-39	0.564412	1.22E-40	0.259229	1.31E-08	0.50717	6.84E-32	0.550713
0.610787	4.32E-49	0.554973	4.44E-39	0.33315	1.44E-13	0.416786	4.75E-21	0.450222
0.667726	1.36E-61	0.624918	5.94E-52	0.523508	3.21E-34	0.422449	1.23E-21	0.609411
0.388284	2.97E-18	0.29356	9.80E-11	0.23418	3.08E-07	0.273778	1.79E-09	0.340653
0.640664	2.55E-55	0.481139	1.98E-28	0.335176	1.01E-13	0.480351	2.49E-28	0.549203
0.654058	2.41E-58	0.622899	1.55E-51	0.489886	1.46E-29	0.472088	2.70E-27	0.589684
0.586985	1.39E-44	0.546423	1.04E-37	0.429327	2.29E-22	0.4499	1.19E-24	0.577449
0.634364	5.98E-54	0.439644	1.71E-23	0.273993	1.74E-09	0.326493	4.62E-13	0.245314
0.652666	5.06E-58	0.555232	4.03E-39	0.331184	2.04E-13	0.520508	8.77E-34	0.639566
0.601141	3.22E-47	0.808356	#####	0.557769	1.55E-39	0.462156	4.35E-26	0.563801
0.375981	3.96E-17	0.457218	1.68E-25	0.204933	8.04E-06	0.385725	5.14E-18	0.34783
0.70418	3.64E-71	0.636562	2.01E-54	0.398799	2.97E-19	0.453406	4.68E-25	0.6517
0.282549	5.08E-10	0.322573	9.06E-13	0.103718	0.025	0.203667	9.16E-06	0.232955
0.340936	3.56E-14	0.419945	2.24E-21	0.134997	0.00347	0.257799	1.59E-08	0.403414
0.5108	2.13E-32	0.566393	5.65E-41	0.258841	1.38E-08	0.351594	4.92E-15	0.441948
-0.31307	4.45E-12	-0.30132	2.94E-11	-0.10753	0.02012	-0.32136	1.11E-12	-0.35572
0.689631	3.56E-67	0.669014	6.59E-62	0.531851	1.85E-35	0.417285	4.22E-21	0.432561
0.473086	2.03E-27	0.569476	1.69E-41	0.438092	2.54E-23	0.341005	3.52E-14	0.421955
-0.10176	0.02789	-0.39437	7.91E-19	-0.2028	1.00E-05	-0.19921	1.44E-05	-0.33809
0.325577	5.42E-13	0.288329	2.16E-10	0.248638	5.20E-08	0.100341	0.03015	0.308884
0.602408	1.84E-47	0.567205	4.12E-41	0.395746	5.84E-19	0.521375	6.56E-34	0.667331
0.801972	#####	0.750331	1.27E-85	0.609921	6.40E-49	0.545507	1.46E-37	0.565364
0.530148	3.33E-35	0.642272	1.12E-55	0.344611	1.81E-14	0.476446	7.73E-28	0.534806
0.343174	2.36E-14	0.181175	8.24E-05	-0.04483	0.33372	0.357612	1.55E-15	0.489343
0.662847	2.06E-60	0.489968	1.43E-29	0.259449	1.27E-08	0.5045	1.60E-31	0.425158
0.251167	3.76E-08	0.466429	1.33E-26	0.161363	0.00046	0.250735	3.98E-08	0.303042
0.687776	1.11E-66	0.78165	2.21E-97	0.505705	1.09E-31	0.587345	1.20E-44	0.660695
0.427179	3.88E-22	0.401381	1.67E-19	0.209343	5.06E-06	0.268971	3.50E-09	0.3215
0.5219	5.51E-34	0.209849	4.79E-06	0.076641	0.09808	0.283682	4.30E-10	0.263748
0.521656	5.97E-34	0.410541	2.05E-20	0.237364	2.10E-07	0.270281	2.92E-09	0.196162
0.539738	1.16E-36	0.498149	1.17E-30	0.441848	9.72E-24	0.288855	2.00E-10	0.180887
0.479165	3.52E-28	0.488398	2.29E-29	0.267967	4.02E-09	0.381377	1.29E-17	0.529849
0.619952	6.25E-51	0.307831	1.04E-11	0.127372	0.00584	0.425571	5.75E-22	0.370543
0.393369	9.85E-19	0.256227	1.95E-08	0.315312	3.07E-12	0.411085	1.81E-20	0.23577
0.471002	3.67E-27	0.531641	1.99E-35	0.367726	2.12E-16	0.34007	4.17E-14	0.542049
0.317935	1.98E-12	0.348079	9.53E-15	0.242555	1.11E-07	0.248204	5.49E-08	0.31223
-0.18381	6.45E-05	-0.31623	2.64E-12	-0.10887	0.0186	-0.28318	4.63E-10	-0.37741
-0.38515	5.80E-18	-0.32964	2.68E-13	-0.26277	8.17E-09	-0.16969	0.00023	-0.04632



0.34246	2.70E-14	0.284974	3.56E-10	0.152911	0.00092	0.248255	5.46E-08	0.288136
0.544059	2.46E-37	0.509064	3.73E-32	0.396989	4.44E-19	0.284434	3.85E-10	0.418523
0.570553	1.11E-41	0.430488	1.72E-22	0.247143	6.28E-08	0.339508	4.62E-14	0.420017
0.586736	1.54E-44	0.553762	6.98E-39	0.464534	2.25E-26	0.427247	3.82E-22	0.496494
0.456305	2.15E-25	0.523324	3.41E-34	0.242212	1.16E-07	0.324259	6.79E-13	0.364334
0.593781	7.84E-46	0.609897	6.47E-49	0.456856	1.85E-25	0.382902	9.35E-18	0.41967
0.345087	1.66E-14	0.335706	9.15E-14	0.285558	3.26E-10	0.269771	3.13E-09	0.018657
0.733975	3.74E-80	0.563996	1.43E-40	0.329048	2.97E-13	0.49649	1.95E-30	0.558845
0.437041	3.32E-23	0.436749	3.57E-23	0.319428	1.54E-12	0.175361	0.00014	0.254721
0.70494	2.21E-71	0.744141	1.67E-83	0.573222	3.83E-42	0.443448	6.43E-24	0.657137
0.359178	1.15E-15	0.396526	4.92E-19	0.036395	0.43266	0.47598	8.85E-28	0.501272
0.668707	7.84E-62	0.59529	4.10E-46	0.602795	1.55E-47	0.465962	1.52E-26	0.483218
0.746851	2.01E-84	0.715275	2.23E-74	0.64585	1.79E-56	0.550816	2.08E-38	0.627496
0.46801	8.54E-27	0.222578	1.18E-06	-0.03716	0.42299	0.393792	8.98E-19	0.356578
0.582629	8.47E-44	0.485433	5.56E-29	0.232726	3.66E-07	0.415402	6.59E-21	0.554228
0.493949	4.26E-30	0.359705	1.04E-15	0.203467	9.35E-06	0.383458	8.32E-18	0.437415
0.605959	3.81E-48	0.651603	8.87E-58	0.396422	5.03E-19	0.528515	5.84E-35	0.634083
0.461304	5.50E-26	0.086149	0.06286	-0.10054	0.02983	0.145919	0.00157	0.106242
0.509096	3.69E-32	0.310172	7.15E-12	0.09919	0.03211	0.450409	1.04E-24	0.502029
0.494059	4.12E-30	0.47007	4.78E-27	0.35093	5.58E-15	0.308109	9.98E-12	0.379681
0.496069	2.22E-30	0.263238	7.67E-09	0.042206	0.3628	0.261676	9.47E-09	0.414865
0.564084	1.38E-40	0.413178	1.11E-20	0.275553	1.39E-09	0.295929	6.82E-11	0.338189
0.642992	7.79E-56	0.666821	2.26E-61	0.486636	3.88E-29	0.520095	1.01E-33	0.653957
0.60187	2.34E-47	0.421422	1.57E-21	0.36564	3.22E-16	0.254734	2.37E-08	0.039887
0.531896	1.82E-35	0.517095	2.72E-33	0.280714	6.63E-10	0.340493	3.86E-14	0.420832
0.424827	6.89E-22	0.37915	2.06E-17	0.207711	6.01E-06	0.305041	1.63E-11	0.37148
0.400556	2.00E-19	0.393289	1.00E-18	0.126804	0.00607	0.454001	3.99E-25	0.591284
0.618324	1.34E-50	0.58491	3.30E-44	0.420968	1.75E-21	0.350633	5.90E-15	0.378345
0.37583	4.09E-17	0.3015	2.86E-11	0.07298	0.11526	0.299929	3.66E-11	0.290238
0.318931	1.68E-12	0.44436	5.08E-24	0.209135	5.17E-06	0.362353	6.17E-16	0.479733
0.652939	4.37E-58	0.683226	1.72E-65	0.540414	9.10E-37	0.46548	1.73E-26	0.565256
0.537271	2.78E-36	0.560678	5.12E-40	0.418211	3.39E-21	0.381975	1.14E-17	0.424107
0.708881	1.65E-72	0.710717	4.86E-73	0.562112	2.96E-40	0.520985	7.48E-34	0.559862
0.229076	5.62E-07	0.398567	3.13E-19	0.171673	0.00019	0.228517	6.00E-07	0.200573
0.528193	6.52E-35	0.383551	8.15E-18	0.131118	0.00454	0.323694	7.48E-13	0.456898
0.646406	1.34E-56	0.591501	2.07E-45	0.39409	8.41E-19	0.484871	6.57E-29	0.603513
0.595358	3.98E-46	0.558204	1.31E-39	0.477429	5.82E-28	0.421396	1.58E-21	0.380424
-0.21614	2.43E-06	-0.15505	0.00077	-0.02315	0.61772	-0.13471	0.00354	-0.11306
0.717772	4.03E-75	0.662872	2.03E-60	0.496098	2.20E-30	0.513921	7.73E-33	0.548759
0.692684	5.42E-68	0.716793	7.90E-75	0.582002	1.10E-43	0.423875	8.69E-22	0.446689
0.670017	3.74E-62	0.528121	6.69E-35	0.407437	4.21E-20	0.381265	1.32E-17	0.422434
0.517859	2.12E-33	0.57232	5.49E-42	0.371683	9.56E-17	0.262195	8.83E-09	0.327822
-0.30026	3.48E-11	-0.29533	7.48E-11	-0.22029	1.53E-06	-0.15679	0.00067	0.00689
0.604945	5.99E-48	0.486814	3.68E-29	0.226807	7.31E-07	0.485937	4.78E-29	0.47159
0.775243	8.01E-95	0.74457	1.20E-83	0.614337	8.51E-50	0.525965	1.40E-34	0.575489

0.449528	1.31E-24	0.56041	5.68E-40	0.45852	1.18E-25	0.36961	1.45E-16	0.485874
0.656308	7.23E-59	0.475137	1.13E-27	0.362465	6.03E-16	0.382076	1.11E-17	0.595109
0.684038	1.06E-65	0.5389	1.56E-36	0.347623	1.04E-14	0.385132	5.83E-18	0.439046
0.6347	5.06E-54	0.644413	3.76E-56	0.523586	3.12E-34	0.378968	2.13E-17	0.588551
0.523766	2.94E-34	0.301762	2.75E-11	0.14741	0.0014	0.24701	6.39E-08	0.131198
0.652615	5.20E-58	0.606243	3.35E-48	0.472052	2.72E-27	0.389726	2.18E-18	0.648551
0.420325	2.05E-21	0.298652	4.47E-11	0.195694	2.05E-05	0.238566	1.82E-07	0.135825
0.63291	1.23E-53	0.626384	2.94E-52	0.452036	6.74E-25	0.552034	1.33E-38	0.660266
0.757621	3.37E-88	0.792662	#####	0.572158	5.85E-42	0.52647	1.18E-34	0.580524
0.454636	3.36E-25	0.427979	3.19E-22	0.279385	8.04E-10	0.376698	3.42E-17	0.54755
0.403686	9.90E-20	0.446756	2.72E-24	0.333157	1.44E-13	0.237024	2.19E-07	0.255304
0.504651	1.52E-31	0.448885	1.55E-24	0.254645	2.40E-08	0.451534	7.71E-25	0.519832
0.648496	4.53E-57	0.576993	8.44E-43	0.418805	2.94E-21	0.423648	9.18E-22	0.46875
-0.25781	1.58E-08	-0.43652	3.79E-23	-0.26607	5.22E-09	-0.18665	4.94E-05	-0.25049
0.485442	5.54E-29	0.287967	2.28E-10	0.104395	0.02406	0.295571	7.20E-11	0.334898
0.384058	7.32E-18	0.57415	2.65E-42	0.277187	1.10E-09	0.40874	3.12E-20	0.397203
0.396744	4.69E-19	0.460013	7.83E-26	0.167832	0.00027	0.313803	3.94E-12	0.398581
0.412907	1.18E-20	0.474281	1.44E-27	0.34123	3.37E-14	0.26168	9.46E-09	0.420885
0.649207	3.13E-57	0.376352	3.67E-17	0.262351	8.64E-09	0.446047	3.27E-24	0.449479
0.528472	5.93E-35	0.623139	1.39E-51	0.391713	1.41E-18	0.388468	2.85E-18	0.584728
0.411147	1.79E-20	0.291617	1.32E-10	0.174596	0.00015	0.394835	7.14E-19	0.452624
0.579379	3.21E-43	0.520266	9.51E-34	0.507341	6.48E-32	0.353208	3.62E-15	0.474095
0.651096	1.16E-57	0.645094	2.65E-56	0.43033	1.78E-22	0.40707	4.58E-20	0.419487
0.660902	5.99E-60	0.464172	2.49E-26	0.247215	6.22E-08	0.30504	1.63E-11	0.299369
0.74717	1.56E-84	0.675726	1.42E-63	0.511717	1.58E-32	0.519734	1.14E-33	0.547572
-0.18245	7.32E-05	-0.0387	0.40402	0.064724	0.16259	-0.15256	0.00094	-0.00884
-0.36099	8.06E-16	-0.18062	8.67E-05	-0.08485	0.06695	-0.23116	4.40E-07	-0.09701
-0.43011	1.89E-22	-0.41858	3.10E-21	-0.42388	8.69E-22	-0.27565	1.37E-09	-0.20045
0.660345	8.12E-60	0.556353	2.64E-39	0.459421	9.21E-26	0.354152	3.02E-15	0.432939
0.516574	3.23E-33	0.513246	9.63E-33	0.236079	2.45E-07	0.360055	9.67E-16	0.470788
0.491409	9.24E-30	0.656829	5.47E-59	0.305162	1.60E-11	0.45303	5.17E-25	0.561121
0.514514	6.36E-33	0.580026	2.46E-43	0.270949	2.66E-09	0.481732	1.66E-28	0.67972
0.755414	2.08E-87	0.711671	2.56E-73	0.513032	1.03E-32	0.602224	2.00E-47	0.60062
0.44183	9.77E-24	0.489075	1.87E-29	0.361551	7.22E-16	0.373104	7.16E-17	0.36365
0.591377	2.18E-45	0.491241	9.72E-30	0.278149	9.61E-10	0.349829	6.86E-15	0.337883
0.481837	1.61E-28	0.478075	4.83E-28	0.330992	2.11E-13	0.366014	2.99E-16	0.444411
0.720811	4.88E-76	0.718665	2.17E-75	0.434553	6.22E-23	0.549622	3.24E-38	0.558466
0.710489	5.66E-73	0.783426	4.16E-98	0.644518	3.56E-56	0.54694	8.64E-38	0.630297
0.630661	3.69E-53	0.714882	2.92E-74	0.451437	7.91E-25	0.508517	4.44E-32	0.646335
0.507065	7.07E-32	0.47859	4.16E-28	0.306314	1.33E-11	0.342532	2.66E-14	0.506632
0.383704	7.89E-18	0.333822	1.28E-13	0.166239	0.00031	0.449362	1.37E-24	0.439153
0.510854	2.09E-32	0.310086	7.25E-12	0.059112	0.20227	0.322987	8.45E-13	0.281011
0.563004	2.10E-40	0.414605	7.95E-21	0.176951	0.00012	0.46027	7.30E-26	0.434903
0.68274	2.29E-65	0.627045	2.14E-52	0.52857	5.73E-35	0.495084	3.01E-30	0.719083
0.317937	1.98E-12	0.292802	1.10E-10	0.26381	7.10E-09	0.118209	0.01057	0.268551

0.473679	1.71E-27	0.404943	7.44E-20	0.320325	1.33E-12	0.463068	3.38E-26	0.360662
0.74943	2.61E-85	0.653509	3.23E-58	0.558048	1.39E-39	0.505132	1.31E-31	0.489763
-0.33451	1.13E-13	-0.3552	2.47E-15	-0.26259	8.37E-09	-0.08213	0.07622	0.031661
0.500744	5.21E-31	0.392747	1.13E-18	0.224556	9.47E-07	0.39185	1.37E-18	0.427904
0.545762	1.33E-37	0.628438	1.09E-52	0.440863	1.25E-23	0.43182	1.23E-22	0.497804
0.539908	1.09E-36	0.552394	1.16E-38	0.358028	1.43E-15	0.437557	2.91E-23	0.524793
0.704502	2.95E-71	0.641713	1.50E-55	0.354754	2.69E-15	0.441722	1.00E-23	0.567029
0.679503	1.56E-64	0.568034	2.98E-41	0.30813	9.95E-12	0.524476	2.31E-34	0.52958
0.574945	1.92E-42	0.337638	6.47E-14	0.294933	7.94E-11	0.388682	2.73E-18	0.331092
0.783421	4.18E-98	0.812946	#####	0.698611	1.31E-69	0.533234	1.14E-35	0.614649
0.619535	7.60E-51	0.476186	8.34E-28	0.493597	4.75E-30	0.276126	1.28E-09	0.300128
0.38082	1.45E-17	0.603366	1.21E-47	0.392264	1.25E-18	0.45383	4.18E-25	0.639979
0.578153	5.28E-43	0.645505	2.14E-56	0.466872	1.17E-26	0.404623	8.00E-20	0.525522
0.321113	1.16E-12	0.311036	6.21E-12	0.091961	0.04701	0.319403	1.55E-12	0.316772
0.748205	6.91E-85	0.810072	#####	0.714039	5.18E-74	0.616525	3.10E-50	0.61178
0.509134	3.64E-32	0.539483	1.27E-36	0.252469	3.18E-08	0.513163	9.89E-33	0.446682
0.565245	8.83E-41	0.460461	6.93E-26	0.326766	4.41E-13	0.258069	1.53E-08	0.247392
0.579205	3.44E-43	0.306323	1.33E-11	0.190442	3.44E-05	0.37369	6.35E-17	0.27957
0.678979	2.12E-64	0.56136	3.95E-40	0.35619	2.05E-15	0.350005	6.64E-15	0.440555
0.549686	3.16E-38	0.517072	2.74E-33	0.251247	3.72E-08	0.435067	5.47E-23	0.357453
0.687152	1.62E-66	0.581637	1.27E-43	0.578374	4.82E-43	0.475187	1.11E-27	0.527635
0.552241	1.23E-38	0.393859	8.85E-19	0.298414	4.64E-11	0.45773	1.46E-25	0.562732
0.633509	9.13E-54	0.671876	1.30E-62	0.416657	4.90E-21	0.558564	1.15E-39	0.6443
0.490014	1.41E-29	0.39986	2.34E-19	0.411379	1.69E-20	0.409939	2.36E-20	0.350684
0.750837	8.48E-86	0.750458	1.15E-85	0.568193	2.80E-41	0.61267	1.83E-49	0.722563
0.466587	1.27E-26	0.310135	7.19E-12	0.280666	6.68E-10	0.272137	2.25E-09	0.434807
0.457819	1.42E-25	0.320297	1.33E-12	0.307327	1.13E-11	0.262509	8.46E-09	0.573097
0.570895	9.65E-42	0.546983	8.51E-38	0.497391	1.48E-30	0.521884	5.54E-34	0.664429
0.585854	2.23E-44	0.608926	1.00E-48	0.43705	3.31E-23	0.497477	1.44E-30	0.691036
0.628266	1.18E-52	0.649674	2.45E-57	0.47642	7.79E-28	0.477532	5.65E-28	0.517488
0.475123	1.13E-27	0.35673	1.84E-15	0.296398	6.34E-11	0.282064	5.45E-10	0.236299
0.723372	8.07E-77	0.639201	5.34E-55	0.520088	1.01E-33	0.587925	9.37E-45	0.644408
0.436085	4.23E-23	0.490363	1.27E-29	0.393117	1.04E-18	0.433554	7.99E-23	0.606717
0.455873	2.41E-25	0.525678	1.54E-34	0.252472	3.18E-08	0.418753	2.98E-21	0.522325
0.256043	2.00E-08	0.42055	1.94E-21	0.104057	0.02453	0.366308	2.82E-16	0.500135
0.686888	1.90E-66	0.576997	8.42E-43	0.307014	1.19E-11	0.501694	3.87E-31	0.547947
0.582257	9.87E-44	0.700514	3.88E-70	0.463349	3.13E-26	0.491074	1.02E-29	0.414264
0.518522	1.70E-33	0.405988	5.86E-20	0.288742	2.03E-10	0.356664	1.87E-15	0.193368
0.366445	2.74E-16	0.42388	8.68E-22	0.204771	8.17E-06	0.331578	1.90E-13	0.339829
0.602539	1.74E-47	0.623488	1.17E-51	0.537182	2.86E-36	0.393305	9.99E-19	0.315128
0.437068	3.30E-23	0.458129	1.31E-25	0.269429	3.29E-09	0.30862	9.19E-12	0.296842
0.532401	1.53E-35	0.610412	5.12E-49	0.418977	2.82E-21	0.404179	8.85E-20	0.345779
0.501342	4.32E-31	0.546691	9.46E-38	0.231891	4.04E-07	0.503622	2.11E-31	0.755397
0.433596	7.91E-23	0.526925	1.01E-34	0.382204	1.08E-17	0.415221	6.88E-21	0.565791
0.669041	6.49E-62	0.408113	3.60E-20	0.327159	4.12E-13	0.433215	8.70E-23	0.449506

0.62074	4.31E-51	0.69967	6.66E-70	0.448044	1.94E-24	0.404237	8.73E-20	0.583425
0.649043	3.41E-57	0.637787	1.09E-54	0.517833	2.13E-33	0.522894	3.94E-34	0.697001
0.555866	3.17E-39	0.413769	9.68E-21	0.27868	8.90E-10	0.285122	3.48E-10	0.30701
0.544335	2.23E-37	0.560189	6.18E-40	0.517829	2.14E-33	0.321534	1.08E-12	0.518552
0.565363	8.44E-41	0.454571	3.42E-25	0.417403	4.11E-21	0.355931	2.15E-15	0.364628
0.335291	9.86E-14	0.399409	2.59E-19	0.271966	2.31E-09	0.395293	6.46E-19	0.444451
0.666083	3.42E-61	0.502451	3.05E-31	0.331791	1.83E-13	0.449814	1.22E-24	0.479856
0.552291	1.21E-38	0.583038	7.16E-44	0.567448	3.75E-41	0.445034	4.26E-24	0.405395
0.325699	5.30E-13	0.406851	4.81E-20	0.241785	1.23E-07	0.30931	8.22E-12	0.484934
0.579515	3.03E-43	0.531184	2.33E-35	0.271283	2.54E-09	0.454427	3.56E-25	0.516057
0.505725	1.08E-31	0.3384	5.64E-14	0.340046	4.19E-14	0.310918	6.33E-12	0.608197
0.277925	9.92E-10	0.428321	2.93E-22	0.19591	2.01E-05	0.335783	9.03E-14	0.413675
0.615134	5.90E-50	0.501215	4.50E-31	0.53964	1.20E-36	0.376949	3.25E-17	0.55216
0.478491	4.28E-28	0.389556	2.26E-18	0.127061	0.00597	0.430834	1.57E-22	0.506766
0.469932	4.97E-27	0.475292	1.08E-27	0.225093	8.90E-07	0.361173	7.78E-16	0.355839
-0.15179	0.001	-0.36056	8.77E-16	-0.17392	0.00016	-0.28773	2.36E-10	-0.31207
-0.22681	7.31E-07	-0.44064	1.33E-23	-0.19525	2.15E-05	-0.22535	8.64E-07	-0.32018
0.601934	2.27E-47	0.469303	5.94E-27	0.291274	1.39E-10	0.314872	3.30E-12	0.34558
0.461638	5.02E-26	0.652158	6.62E-58	0.293669	9.64E-11	0.45447	3.52E-25	0.574669
0.677534	4.95E-64	0.277111	1.11E-09	0.080604	0.08186	0.404176	8.86E-20	0.407879
0.5119	1.49E-32	0.285532	3.27E-10	0.173888	0.00016	0.323021	8.40E-13	0.295775
0.378822	2.20E-17	0.467255	1.06E-26	0.202424	1.04E-05	0.252372	3.22E-08	0.188317
0.335812	8.98E-14	0.27701	1.13E-09	0.127262	0.00589	0.27779	1.01E-09	0.24669
0.34965	7.10E-15	0.344907	1.72E-14	0.172861	0.00017	0.27657	1.20E-09	0.480591
0.649312	2.96E-57	0.685568	4.21E-66	0.482032	1.52E-28	0.450527	1.01E-24	0.425315
0.323999	7.10E-13	0.094161	0.04196	-0.05049	0.27618	0.187647	4.49E-05	0.310207
0.55917	9.10E-40	0.423081	1.05E-21	0.293951	9.23E-11	0.343542	2.21E-14	0.443323
0.733749	4.43E-80	0.530309	3.15E-35	0.433026	9.12E-23	0.42398	8.47E-22	0.382127
0.673597	4.84E-63	0.544552	2.06E-37	0.25092	3.88E-08	0.536729	3.36E-36	0.675981
0.606606	2.85E-48	0.671753	1.39E-62	0.378001	2.61E-17	0.463392	3.09E-26	0.483914
0.666152	3.29E-61	0.771779	1.79E-93	0.437832	2.72E-23	0.550635	2.23E-38	0.645624
0.572537	5.03E-42	0.56132	4.01E-40	0.460222	7.40E-26	0.286362	2.90E-10	0.471819
0.466405	1.34E-26	0.638089	9.34E-55	0.39362	9.33E-19	0.442991	7.24E-24	0.605301
0.444524	4.87E-24	0.580169	2.32E-43	0.279518	7.89E-10	0.40778	3.89E-20	0.546008
0.43517	5.33E-23	0.436358	3.95E-23	0.342719	2.57E-14	0.448542	1.70E-24	0.626961
0.529426	4.27E-35	0.625194	5.20E-52	0.374887	4.97E-17	0.467608	9.56E-27	0.548969
0.665274	5.36E-61	0.721538	2.93E-76	0.499989	6.60E-31	0.539092	1.46E-36	0.582901
0.620449	4.95E-51	0.625599	4.28E-52	0.320424	1.31E-12	0.445001	4.30E-24	0.509443
0.679109	1.97E-64	0.693561	3.14E-68	0.602298	1.93E-47	0.4236	9.29E-22	0.507406
0.334893	1.06E-13	0.380341	1.60E-17	0.228819	5.79E-07	0.270198	2.95E-09	0.271548
0.656997	4.99E-59	0.482551	1.30E-28	0.305484	1.52E-11	0.49856	1.03E-30	0.673797
0.571047	9.09E-42	0.511355	1.78E-32	0.512761	1.13E-32	0.415794	6.01E-21	0.475885
0.706326	8.94E-72	0.651558	9.09E-58	0.476824	6.93E-28	0.459378	9.31E-26	0.537789
0.626676	2.55E-52	0.370345	1.25E-16	0.316242	2.63E-12	0.205218	7.80E-06	0.20251
0.465262	1.84E-26	0.4515	7.78E-25	0.126538	0.00618	0.359001	1.19E-15	0.424451

0.624987	5.74E-52	0.499784	7.03E-31	0.231093	4.44E-07	0.442788	7.63E-24	0.339248
0.799659	#####	0.700492	3.94E-70	0.535487	5.20E-36	0.486747	3.76E-29	0.487849
0.453799	4.21E-25	0.39896	2.86E-19	0.253235	2.88E-08	0.426761	4.30E-22	0.420839
0.598821	8.88E-47	0.407008	4.64E-20	0.151238	0.00104	0.48767	2.85E-29	0.398111
0.508191	4.93E-32	0.51388	7.83E-33	0.45836	1.23E-25	0.310373	6.92E-12	0.472215
0.558187	1.32E-39	0.348107	9.48E-15	0.178074	0.00011	0.327627	3.80E-13	0.312159
0.669565	4.83E-62	0.501751	3.80E-31	0.297989	4.96E-11	0.455995	2.33E-25	0.549586
0.600222	4.82E-47	0.535744	4.75E-36	0.288395	2.14E-10	0.368643	1.77E-16	0.52482
0.465849	1.56E-26	0.459142	9.93E-26	0.450338	1.06E-24	0.273164	1.95E-09	0.337482
-0.34551	1.54E-14	-0.42107	1.71E-21	-0.26686	4.68E-09	-0.28471	3.69E-10	-0.46691
0.544646	1.99E-37	0.369543	1.47E-16	0.179935	9.23E-05	0.399282	2.67E-19	0.432349
0.502403	3.10E-31	0.228832	5.78E-07	0.125175	0.00676	0.368871	1.69E-16	0.316883
0.64405	4.53E-56	0.627734	1.53E-52	0.484526	7.28E-29	0.51061	2.26E-32	0.698454
0.653924	2.59E-58	0.585303	2.80E-44	0.423671	9.13E-22	0.445039	4.26E-24	0.447844
0.44782	2.06E-24	0.527312	8.82E-35	0.391747	1.40E-18	0.348792	8.34E-15	0.640601
0.574908	1.95E-42	0.467587	9.62E-27	0.15504	0.00077	0.478328	4.48E-28	0.500935
0.504817	1.45E-31	0.614247	8.87E-50	0.471305	3.37E-27	0.478006	4.92E-28	0.638341
0.32991	2.55E-13	0.313344	4.25E-12	0.202462	1.04E-05	0.181931	7.68E-05	0.269434
0.716159	1.22E-74	0.6186	1.18E-50	0.519489	1.23E-33	0.435119	5.39E-23	0.572122
0.81519	#####	0.791088	#####	0.682154	3.25E-65	0.559417	8.29E-40	0.611841
0.458895	1.06E-25	0.224712	9.30E-07	0.070527	0.12803	0.328773	3.11E-13	0.133134
0.38775	3.33E-18	0.373339	6.82E-17	0.264636	6.35E-09	0.257619	1.62E-08	0.240979
-0.49057	1.19E-29	-0.49076	1.12E-29	-0.45597	2.35E-25	-0.32361	7.60E-13	-0.24841
0.424389	7.67E-22	0.363444	4.98E-16	0.245692	7.54E-08	0.339588	4.55E-14	0.433019
0.599684	6.10E-47	0.527218	9.11E-35	0.47794	5.02E-28	0.377379	2.97E-17	0.369841
0.687911	1.02E-66	0.592764	1.21E-45	0.41965	2.40E-21	0.451023	8.83E-25	0.5967
0.397186	4.25E-19	0.601888	2.32E-47	0.306101	1.38E-11	0.27047	2.84E-09	0.334267
0.637391	1.32E-54	0.789375	#####	0.509162	3.61E-32	0.557812	1.52E-39	0.731371
0.71411	4.94E-74	0.583174	6.76E-44	0.369985	1.35E-16	0.492979	5.73E-30	0.691837
0.513589	8.61E-33	0.739227	7.28E-82	0.471519	3.17E-27	0.453886	4.11E-25	0.603284
0.331085	2.08E-13	0.304797	1.70E-11	0.267387	4.36E-09	0.257415	1.67E-08	0.41393
0.537961	2.18E-36	0.675367	1.74E-63	0.367417	2.26E-16	0.509516	3.22E-32	0.572676
0.184236	6.20E-05	0.086392	0.06212	0.011804	0.79918	0.057038	0.21858	-0.06477
0.486519	4.02E-29	0.38367	7.95E-18	0.333406	1.38E-13	0.245173	8.04E-08	0.369849
0.401644	1.57E-19	0.461411	5.34E-26	0.263018	7.90E-09	0.249944	4.40E-08	0.352685
0.654572	1.83E-58	0.636149	2.46E-54	0.426371	4.73E-22	0.470104	4.73E-27	0.568763
0.455262	2.84E-25	0.303797	1.99E-11	0.207271	6.29E-06	0.193565	2.53E-05	0.284404
0.389235	2.42E-18	0.31282	4.64E-12	0.159496	0.00054	0.259383	1.29E-08	0.391722
0.303131	2.21E-11	0.440139	1.51E-23	0.177708	0.00011	0.217569	2.07E-06	0.383766
0.61115	3.66E-49	0.643304	6.64E-56	0.412831	1.21E-20	0.508194	4.93E-32	0.635903
0.634379	5.94E-54	0.508825	4.03E-32	0.356985	1.75E-15	0.380826	1.45E-17	0.345385
0.468897	6.66E-27	0.221003	1.41E-06	0.002748	0.95278	0.248615	5.21E-08	0.137944
0.500811	5.10E-31	0.316782	2.41E-12	0.143853	0.00183	0.317934	1.98E-12	0.212382
0.404511	8.21E-20	0.46425	2.44E-26	0.297673	5.21E-11	0.268174	3.91E-09	0.408498
0.695383	1.01E-68	0.685573	4.20E-66	0.561564	3.65E-40	0.541169	6.95E-37	0.545528

0.430961	1.53E-22	0.676993	6.79E-64	0.340443	3.90E-14	0.433297	8.52E-23	0.595035
0.5426	4.16E-37	0.388651	2.74E-18	0.294137	8.97E-11	0.535617	4.97E-36	0.485228
0.703697	4.98E-71	0.72723	5.15E-78	0.649087	3.33E-57	0.471585	3.11E-27	0.474984
0.545167	1.65E-37	0.533344	1.10E-35	0.285914	3.09E-10	0.51627	3.58E-33	0.484655
0.630555	3.89E-53	0.503832	1.97E-31	0.335448	9.58E-14	0.458501	1.18E-25	0.515145
0.639028	5.82E-55	0.553204	8.59E-39	0.501689	3.88E-31	0.45527	2.84E-25	0.466601
0.423696	9.07E-22	0.315707	2.88E-12	0.060561	0.19141	0.254911	2.32E-08	0.217106
0.574897	1.96E-42	0.747261	1.46E-84	0.401981	1.45E-19	0.434647	6.07E-23	0.591331
0.498283	1.12E-30	0.408525	3.27E-20	0.233174	3.47E-07	0.290343	1.60E-10	0.263456
0.536718	3.37E-36	0.527408	8.53E-35	0.249655	4.57E-08	0.376435	3.61E-17	0.479408
0.48986	1.48E-29	0.594198	6.55E-46	0.376865	3.30E-17	0.470815	3.87E-27	0.582102
0.660022	9.69E-60	0.566992	4.47E-41	0.326836	4.36E-13	0.439483	1.78E-23	0.30217
0.563375	1.82E-40	0.36914	1.60E-16	0.267753	4.14E-09	0.321193	1.15E-12	0.202933
0.642755	8.79E-56	0.506173	9.40E-32	0.25005	4.34E-08	0.469868	5.06E-27	0.492559
0.735012	1.73E-80	0.749729	2.06E-85	0.594618	5.47E-46	0.565049	9.53E-41	0.653655
0.50435	1.68E-31	0.658277	2.50E-59	0.426433	4.66E-22	0.498623	1.01E-30	0.673597
0.342104	2.88E-14	0.364429	4.10E-16	0.199973	1.34E-05	0.4006	1.98E-19	0.440678
0.480234	2.57E-28	0.467899	8.81E-27	0.217699	2.04E-06	0.450859	9.22E-25	0.613948
0.556995	2.07E-39	0.38815	3.06E-18	0.338821	5.23E-14	0.224528	9.50E-07	0.350614
0.608875	1.03E-48	0.620593	4.62E-51	0.39643	5.02E-19	0.474537	1.34E-27	0.516634
0.249779	4.49E-08	0.354316	2.93E-15	0.161268	0.00047	0.295837	6.91E-11	0.335469
0.424825	6.90E-22	0.404502	8.22E-20	0.063	0.1741	0.40753	4.12E-20	0.408707
0.461325	5.47E-26	0.32234	9.43E-13	0.129789	0.00497	0.431572	1.31E-22	0.424308
0.649096	3.31E-57	0.731819	1.84E-79	0.475828	9.24E-28	0.527587	8.03E-35	0.651349
0.646352	1.38E-56	0.415987	5.74E-21	0.25056	4.07E-08	0.338348	5.69E-14	0.163688
0.455229	2.87E-25	0.589872	4.13E-45	0.409432	2.66E-20	0.25809	1.53E-08	0.540186
0.669939	3.91E-62	0.528471	5.93E-35	0.335112	1.02E-13	0.54236	4.53E-37	0.613021
0.675872	1.30E-63	0.717959	3.54E-75	0.458585	1.16E-25	0.450114	1.12E-24	0.609915
0.594168	6.64E-46	0.394543	7.62E-19	0.329528	2.73E-13	0.446295	3.07E-24	0.459929
0.158937	0.00057	0.32161	1.07E-12	0.137562	0.00289	0.18974	3.68E-05	0.352868
0.460126	7.59E-26	0.383732	7.85E-18	0.224636	9.38E-07	0.230053	5.02E-07	0.353657
0.629138	7.76E-53	0.664725	7.28E-61	0.383295	8.61E-18	0.425396	6.00E-22	0.45817
0.45711	1.73E-25	0.531495	2.09E-35	0.263134	7.78E-09	0.396902	4.53E-19	0.654386
0.69941	7.86E-70	0.682448	2.73E-65	0.515821	4.14E-33	0.528691	5.50E-35	0.445548
-0.29064	1.53E-10	-0.47157	3.12E-27	-0.3371	7.12E-14	-0.2333	3.42E-07	-0.2176
-0.28756	2.42E-10	-0.16919	0.00024	-0.03818	0.41043	-0.25354	2.77E-08	-0.1342
0.338668	5.37E-14	0.151083	0.00106	0.015505	0.73823	0.220275	1.54E-06	0.166758
0.630104	4.85E-53	0.583017	7.22E-44	0.275002	1.50E-09	0.418253	3.36E-21	0.480142
0.640784	2.40E-55	0.633981	7.23E-54	0.449336	1.38E-24	0.322814	8.70E-13	0.48585
0.709834	8.77E-73	0.435614	4.76E-23	0.285129	3.48E-10	0.393387	9.82E-19	0.344683
0.722462	1.53E-76	0.671534	1.58E-62	0.509449	3.29E-32	0.434315	6.60E-23	0.547226
0.555448	3.71E-39	0.680966	6.58E-65	0.394505	7.68E-19	0.353819	3.22E-15	0.502042
0.45663	1.97E-25	0.410964	1.86E-20	0.267598	4.23E-09	0.316118	2.69E-12	0.231657
-0.48041	2.44E-28	-0.34118	3.40E-14	-0.35214	4.44E-15	-0.38797	3.18E-18	-0.40533
0.473784	1.66E-27	0.51719	2.64E-33	0.287183	2.56E-10	0.316678	2.45E-12	0.388918

0.58221	1.01E-43	0.666265	3.09E-61	0.468993	6.48E-27	0.546839	8.97E-38	0.650502
0.658371	2.38E-59	0.5975	1.58E-46	0.309098	8.51E-12	0.448058	1.93E-24	0.541003
0.650768	1.38E-57	0.385558	5.32E-18	0.353994	3.12E-15	0.269875	3.09E-09	0.103462
0.400894	1.86E-19	0.447333	2.34E-24	0.218836	1.80E-06	0.430449	1.73E-22	0.496513
0.444139	5.38E-24	0.344318	1.92E-14	0.134482	0.0036	0.388029	3.14E-18	0.513194
0.495004	3.09E-30	0.413275	1.09E-20	0.225224	8.77E-07	0.465235	1.86E-26	0.416011
0.441766	9.93E-24	0.271181	2.58E-09	0.087927	0.0576	0.2569	1.79E-08	0.331429
0.277883	9.98E-10	0.377507	2.89E-17	0.169823	0.00023	0.24316	1.03E-07	0.342074
0.385213	5.73E-18	0.518231	1.87E-33	0.138029	0.0028	0.292621	1.13E-10	0.447503
0.397099	4.33E-19	0.457675	1.48E-25	0.219912	1.60E-06	0.401456	1.64E-19	0.384445
0.491337	9.44E-30	0.669462	5.12E-62	0.382004	1.13E-17	0.402204	1.38E-19	0.523172
0.398595	3.11E-19	0.506523	8.41E-32	0.221755	1.30E-06	0.274054	1.72E-09	0.35967
0.58571	2.37E-44	0.559167	9.11E-40	0.405632	6.36E-20	0.365067	3.61E-16	0.480799
0.512958	1.06E-32	0.597228	1.78E-46	0.420999	1.74E-21	0.498872	9.34E-31	0.601862
0.465876	1.55E-26	0.615142	5.87E-50	0.263053	7.86E-09	0.453676	4.35E-25	0.639949
0.569564	1.63E-41	0.360455	8.95E-16	0.295245	7.57E-11	0.451701	7.37E-25	0.419188
0.713088	9.87E-74	0.777208	1.34E-95	0.610339	5.29E-49	0.562052	3.03E-40	0.747289
0.461375	5.39E-26	0.623536	1.15E-51	0.367696	2.14E-16	0.484881	6.55E-29	0.627716
0.643974	4.71E-56	0.673722	4.51E-63	0.502904	2.65E-31	0.460574	6.72E-26	0.701624
0.675739	1.41E-63	0.65065	1.47E-57	0.519408	1.27E-33	0.55751	1.71E-39	0.492763
0.758061	2.34E-88	0.722137	1.93E-76	0.58112	1.57E-43	0.515756	4.23E-33	0.668515
0.206802	6.61E-06	0.472572	2.35E-27	0.211862	3.86E-06	0.108632	0.01886	0.327843
0.602939	1.46E-47	0.734057	3.52E-80	0.443328	6.63E-24	0.511629	1.63E-32	0.646181
0.608904	1.01E-48	0.46878	6.88E-27	0.309808	7.58E-12	0.334864	1.06E-13	0.311601
-0.46906	6.35E-27	-0.56793	3.10E-41	-0.47951	3.18E-28	-0.23899	1.73E-07	-0.30522
0.506771	7.77E-32	0.499858	6.87E-31	0.317478	2.14E-12	0.342952	2.46E-14	0.53965
0.64423	4.13E-56	0.79582	#####	0.482833	1.20E-28	0.552386	1.16E-38	0.58659
0.693098	4.19E-68	0.470546	4.18E-27	0.253752	2.69E-08	0.457503	1.55E-25	0.427122
0.487437	3.06E-29	0.404217	8.77E-20	0.228793	5.81E-07	0.304068	1.91E-11	0.224729
0.170474	0.00021	0.238156	1.91E-07	0.053158	0.25159	0.182025	7.62E-05	0.461383
0.718658	2.18E-75	0.415863	5.91E-21	0.16473	0.00035	0.424496	7.47E-22	0.400349
0.422676	1.16E-21	0.5037	2.06E-31	0.236691	2.28E-07	0.334765	1.08E-13	0.512641
0.410697	1.98E-20	0.341936	2.97E-14	0.156568	0.00069	0.366062	2.96E-16	0.466518
-0.26384	7.07E-09	-0.34188	3.00E-14	-0.31535	3.05E-12	-0.13551	0.00335	-0.17812
0.580187	2.31E-43	0.579341	3.26E-43	0.410763	1.95E-20	0.435902	4.43E-23	0.577713
0.392165	1.28E-18	0.328846	3.07E-13	0.310462	6.82E-12	0.285757	3.17E-10	0.385939
0.367984	2.02E-16	0.334111	1.22E-13	0.290313	1.60E-10	0.110031	0.01738	0.261266
0.731483	2.35E-79	0.748758	4.46E-85	0.477849	5.15E-28	0.560693	5.10E-40	0.674432
0.578762	4.12E-43	0.46396	2.64E-26	0.432637	1.01E-22	0.42769	3.42E-22	0.546542
0.630449	4.10E-53	0.397235	4.20E-19	0.351969	4.58E-15	0.333508	1.35E-13	0.414864
0.45561	2.59E-25	0.428223	3.00E-22	0.183506	6.64E-05	0.433675	7.75E-23	0.491696
0.733133	6.98E-80	0.717628	4.45E-75	0.568354	2.63E-41	0.478228	4.62E-28	0.679181
0.632884	1.24E-53	0.716616	8.93E-75	0.450132	1.12E-24	0.57262	4.87E-42	0.707429
0.716479	9.80E-75	0.669423	5.23E-62	0.485782	5.01E-29	0.565441	8.18E-41	0.654966
0.443732	5.97E-24	0.5854	2.69E-44	0.41527	6.80E-21	0.292288	1.19E-10	0.616774

0.660253	8.53E-60	0.789708	#####	0.503134	2.46E-31	0.544684	1.96E-37	0.709078
0.528207	6.49E-35	0.552247	1.23E-38	0.363365	5.05E-16	0.330559	2.28E-13	0.557431
0.532985	1.25E-35	0.441746	9.98E-24	0.325173	5.81E-13	0.472563	2.36E-27	0.376847
0.631265	2.75E-53	0.568431	2.55E-41	0.486849	3.64E-29	0.495438	2.70E-30	0.667594
0.606553	2.92E-48	0.443276	6.72E-24	0.209692	4.87E-06	0.311694	5.58E-12	0.305742
-0.42814	3.06E-22	-0.44589	3.41E-24	-0.43356	7.98E-23	-0.27909	8.39E-10	-0.13302
0.624775	6.36E-52	0.481184	1.95E-28	0.318752	1.73E-12	0.351693	4.83E-15	0.457821
0.319158	1.62E-12	0.25385	2.66E-08	0.284664	3.72E-10	0.172274	0.00018	0.066913
0.539494	1.26E-36	0.592624	1.28E-45	0.37746	2.92E-17	0.440007	1.56E-23	0.411868
0.809533	#####	0.743321	3.16E-83	0.551718	1.49E-38	0.589623	4.59E-45	0.637518
0.331345	1.98E-13	0.477303	6.04E-28	0.105858	0.02214	0.41186	1.51E-20	0.454615
0.59996	5.40E-47	0.751195	6.37E-86	0.469629	5.41E-27	0.447658	2.15E-24	0.629026
0.715899	1.46E-74	0.802826	#####	0.555583	3.53E-39	0.46671	1.23E-26	0.700644
-0.36863	1.77E-16	-0.38847	2.85E-18	-0.32932	2.83E-13	-0.32176	1.04E-12	-0.36358
0.669933	3.92E-62	0.694042	2.33E-68	0.386993	3.92E-18	0.477842	5.16E-28	0.537053
0.606539	2.94E-48	0.400483	2.04E-19	0.254215	2.54E-08	0.378003	2.61E-17	0.271493
0.550257	2.56E-38	0.644526	3.55E-56	0.440406	1.41E-23	0.49854	1.04E-30	0.656458
0.645156	2.56E-56	0.678656	2.57E-64	0.513833	7.95E-33	0.502481	3.02E-31	0.418986
0.420628	1.90E-21	0.581626	1.28E-43	0.294818	8.09E-11	0.467217	1.07E-26	0.671538
0.635117	4.12E-54	0.51882	1.54E-33	0.346557	1.27E-14	0.299365	4.00E-11	0.438909
0.30241	2.48E-11	0.315784	2.84E-12	0.154254	0.00082	0.086435	0.06199	0.321832
0.435323	5.12E-23	0.51727	2.57E-33	0.355234	2.46E-15	0.451433	7.92E-25	0.554205
0.469844	5.10E-27	0.518935	1.48E-33	0.208417	5.58E-06	0.494099	4.07E-30	0.562451
0.664897	6.62E-61	0.642202	1.17E-55	0.402186	1.39E-19	0.411455	1.66E-20	0.609893
0.472525	2.38E-27	0.453069	5.12E-25	0.268633	3.67E-09	0.252332	3.24E-08	0.300277
0.747425	1.28E-84	0.690953	1.58E-67	0.439241	1.90E-23	0.488083	2.52E-29	0.616448
0.494565	3.53E-30	0.421913	1.40E-21	0.251795	3.47E-08	0.381755	1.19E-17	0.476707
0.628752	9.36E-53	0.798306	#####	0.610481	4.96E-49	0.492021	7.67E-30	0.648049
0.398103	3.47E-19	0.209008	5.24E-06	0.309049	8.58E-12	0.146917	0.00145	0.360941
0.307891	1.03E-11	0.293931	9.26E-11	0.18991	3.62E-05	0.30231	2.52E-11	0.26551
0.458643	1.14E-25	0.310437	6.84E-12	0.100201	0.03039	0.422164	1.31E-21	0.485918
0.291555	1.33E-10	0.242378	1.14E-07	0.127058	0.00597	0.34387	2.08E-14	0.401999
0.551454	1.65E-38	0.38322	8.75E-18	0.158233	0.0006	0.399669	2.45E-19	0.443624
0.63668	1.89E-54	0.562477	2.57E-40	0.520829	7.88E-34	0.422732	1.15E-21	0.467539
0.360338	9.16E-16	0.506942	7.35E-32	0.124383	0.00712	0.333269	1.41E-13	0.462129
0.289822	1.73E-10	0.259947	1.19E-08	0.060584	0.19124	0.193908	2.45E-05	0.101359
0.469883	5.04E-27	0.409559	2.58E-20	0.370606	1.19E-16	0.232883	3.59E-07	0.399756
0.382603	9.96E-18	0.381874	1.16E-17	0.17236	0.00018	0.397486	3.98E-19	0.462244
0.759504	7.04E-89	0.700748	3.34E-70	0.608007	1.52E-48	0.50466	1.52E-31	0.645228
0.758642	1.44E-88	0.700658	3.54E-70	0.538677	1.69E-36	0.461718	4.91E-26	0.651913
0.774312	1.86E-94	0.76445	1.07E-90	0.589275	5.31E-45	0.541295	6.64E-37	0.751676
0.339021	5.04E-14	0.181727	7.83E-05	-0.03418	0.46125	0.298993	4.24E-11	0.261891
0.713923	5.61E-74	0.523273	3.47E-34	0.313474	4.16E-12	0.52741	8.53E-35	0.642631
0.686822	1.97E-66	0.624407	7.58E-52	0.447371	2.31E-24	0.502974	2.59E-31	0.583798
0.72004	8.36E-76	0.510151	2.63E-32	0.426826	4.23E-22	0.431739	1.26E-22	0.385776



0.667132	1.90E-61	0.624574	6.99E-52	0.508712	4.17E-32	0.565611	7.66E-41	0.597213
0.718976	1.75E-75	0.698847	1.13E-69	0.546596	9.80E-38	0.53381	9.35E-36	0.559156
0.432352	1.08E-22	0.433393	8.32E-23	0.160077	0.00052	0.347525	1.06E-14	0.416529
0.567151	4.21E-41	0.557443	1.75E-39	0.390583	1.81E-18	0.442563	8.08E-24	0.628365
0.258804	1.39E-08	0.375877	4.05E-17	0.159184	0.00055	0.282692	4.97E-10	0.462112
0.349891	6.78E-15	0.516213	3.64E-33	0.328427	3.31E-13	0.310715	6.54E-12	0.288735
0.713569	7.13E-74	0.708731	1.83E-72	0.592488	1.36E-45	0.487816	2.73E-29	0.571615
0.548688	4.56E-38	0.588664	6.87E-45	0.351362	5.14E-15	0.473577	1.76E-27	0.544416
0.483883	8.80E-29	0.540588	8.55E-37	0.388988	2.55E-18	0.385492	5.40E-18	0.469907
0.6631	1.79E-60	0.501345	4.32E-31	0.459786	8.33E-26	0.322271	9.54E-13	0.402783
0.417781	3.75E-21	0.471557	3.14E-27	0.314863	3.31E-12	0.371167	1.06E-16	0.471227
0.564025	1.42E-40	0.694982	1.29E-68	0.509234	3.53E-32	0.434265	6.69E-23	0.492126
0.297599	5.27E-11	0.434923	5.67E-23	0.21107	4.21E-06	0.268593	3.69E-09	0.339746
0.669437	5.19E-62	0.37689	3.29E-17	0.250866	3.91E-08	0.409909	2.38E-20	0.337609
0.53002	3.48E-35	0.372496	8.10E-17	0.255185	2.24E-08	0.390408	1.88E-18	0.556592
0.667722	1.36E-61	0.64252	9.91E-56	0.426719	4.34E-22	0.54052	8.76E-37	0.617328
0.370464	1.22E-16	0.296227	6.51E-11	0.280419	6.92E-10	0.179145	9.92E-05	0.400235
0.552699	1.04E-38	0.781711	2.08E-97	0.45554	2.64E-25	0.395946	5.59E-19	0.643941
0.510419	2.41E-32	0.62568	4.12E-52	0.430217	1.84E-22	0.47313	2.00E-27	0.512315
0.698246	1.65E-69	0.606565	2.90E-48	0.438034	2.58E-23	0.476328	8.00E-28	0.645688
0.550342	2.48E-38	0.613508	1.25E-49	0.389584	2.24E-18	0.482451	1.34E-28	0.645583
0.646891	1.05E-56	0.453117	5.05E-25	0.416288	5.35E-21	0.387932	3.20E-18	0.28675
0.365137	3.56E-16	0.549732	3.11E-38	0.257328	1.69E-08	0.422544	1.20E-21	0.46383
0.231653	4.16E-07	-0.00356	0.93891	-0.14675	0.00147	-0.03166	0.49488	-0.00379
0.686795	2.01E-66	0.699685	6.60E-70	0.434465	6.36E-23	0.509999	2.76E-32	0.61325
0.711893	2.21E-73	0.681176	5.81E-65	0.428957	2.51E-22	0.554398	5.50E-39	0.548958
0.582744	8.08E-44	0.646786	1.10E-56	0.388665	2.74E-18	0.479662	3.04E-28	0.678391
0.38132	1.31E-17	0.342775	2.54E-14	0.145689	0.0016	0.347446	1.07E-14	0.549823
0.690691	1.86E-67	0.640308	3.05E-55	0.522414	4.63E-34	0.363327	5.09E-16	0.324316
0.197383	1.74E-05	0.46628	1.39E-26	0.162063	0.00044	0.19124	3.18E-05	0.341081
0.33903	5.03E-14	0.423864	8.71E-22	0.212624	3.56E-06	0.301621	2.81E-11	0.261709
0.552472	1.13E-38	0.498087	1.19E-30	0.168958	0.00024	0.434632	6.10E-23	0.531733
-0.16401	0.00037	-0.34242	2.72E-14	-0.04531	0.32856	-0.23282	3.62E-07	-0.30545
0.517221	2.61E-33	0.611854	2.66E-49	0.383635	8.01E-18	0.436008	4.31E-23	0.674558
-0.31401	3.81E-12	-0.27855	9.07E-10	-0.20542	7.64E-06	-0.26224	8.78E-09	-0.30595
0.614794	6.90E-50	0.735343	1.35E-80	0.424771	6.99E-22	0.533924	8.99E-36	0.678097
0.642574	9.64E-56	0.447816	2.06E-24	0.379617	1.86E-17	0.310708	6.55E-12	0.201544
0.536745	3.34E-36	0.552904	9.61E-39	0.25419	2.55E-08	0.421502	1.54E-21	0.400569
0.288194	2.20E-10	0.462865	3.58E-26	0.094036	0.04224	0.30269	2.37E-11	0.402628
0.589202	5.48E-45	0.47613	8.47E-28	0.295837	6.91E-11	0.426559	4.52E-22	0.444018
-0.50377	2.02E-31	-0.49104	1.03E-29	-0.39142	1.51E-18	-0.3239	7.23E-13	-0.2114
0.602817	1.54E-47	0.359898	9.98E-16	0.195593	2.08E-05	0.471914	2.83E-27	0.364244
0.428496	2.81E-22	0.323798	7.35E-13	0.176802	0.00012	0.402253	1.37E-19	0.462842
0.561368	3.94E-40	0.493732	4.56E-30	0.34716	1.13E-14	0.493239	5.30E-30	0.515467
0.527203	9.15E-35	0.492888	5.89E-30	0.218861	1.80E-06	0.389386	2.34E-18	0.428372

0.580208	2.29E-43	0.527013	9.77E-35	0.311413	5.84E-12	0.379347	1.97E-17	0.27928
0.561406	3.88E-40	0.387008	3.91E-18	0.230721	4.64E-07	0.407696	3.96E-20	0.410606
0.339908	4.29E-14	0.381984	1.14E-17	0.284714	3.70E-10	0.175381	0.00014	0.431219
0.61425	8.86E-50	0.469987	4.89E-27	0.337378	6.78E-14	0.359031	1.18E-15	0.25514
0.727949	3.07E-78	0.615221	5.66E-50	0.402795	1.21E-19	0.434693	6.00E-23	0.486697
0.383128	8.92E-18	0.374303	5.60E-17	0.266609	4.85E-09	0.236264	2.40E-07	0.32829
0.702458	1.11E-70	0.675481	1.63E-63	0.395759	5.83E-19	0.451306	8.19E-25	0.604258
0.64855	4.41E-57	0.640976	2.17E-55	0.365511	3.30E-16	0.545627	1.39E-37	0.511136
0.60055	4.17E-47	0.600138	5.00E-47	0.372893	7.47E-17	0.391941	1.35E-18	0.517912
0.529265	4.52E-35	0.737483	2.72E-81	0.435901	4.43E-23	0.502234	3.27E-31	0.612831
0.464374	2.36E-26	0.42867	2.69E-22	0.222503	1.20E-06	0.243211	1.03E-07	0.280768
0.579628	2.90E-43	0.435394	5.03E-23	0.277641	1.03E-09	0.38823	3.00E-18	0.486272
0.467181	1.08E-26	0.568872	2.14E-41	0.326128	4.93E-13	0.37222	8.57E-17	0.419914
0.502016	3.50E-31	0.446653	2.79E-24	0.262892	8.04E-09	0.501962	3.56E-31	0.669904
0.390703	1.76E-18	0.374365	5.53E-17	0.264765	6.24E-09	0.466116	1.45E-26	0.562795
0.352107	4.46E-15	0.465953	1.52E-26	0.251808	3.46E-08	0.399041	2.81E-19	0.456167
0.651704	8.41E-58	0.416387	5.22E-21	0.193447	2.56E-05	0.415207	6.90E-21	0.390608
0.619869	6.50E-51	0.834251	#####	0.596577	2.35E-46	0.482266	1.42E-28	0.665953
0.552289	1.21E-38	0.533035	1.23E-35	0.26252	8.45E-09	0.346838	1.20E-14	0.308707
0.605254	5.21E-48	0.719569	1.16E-75	0.475677	9.66E-28	0.40569	6.27E-20	0.548841
0.304212	1.86E-11	0.329826	2.59E-13	0.130479	0.00474	0.326343	4.75E-13	0.408256
0.566163	6.18E-41	0.344773	1.76E-14	0.321435	1.10E-12	0.412603	1.27E-20	0.462871
0.663772	1.23E-60	0.580231	2.26E-43	0.431295	1.40E-22	0.393405	9.78E-19	0.596642
0.494418	3.69E-30	0.659684	1.16E-59	0.383409	8.40E-18	0.476027	8.73E-28	0.709197
0.562383	2.67E-40	0.499829	6.94E-31	0.229128	5.59E-07	0.527586	8.03E-35	0.713292
0.598963	8.35E-47	0.636086	2.54E-54	0.454169	3.81E-25	0.488601	2.16E-29	0.695594
0.345101	1.66E-14	0.366753	2.58E-16	0.247148	6.28E-08	0.243365	1.01E-07	0.371034
0.610531	4.85E-49	0.717117	6.32E-75	0.485969	4.74E-29	0.491436	9.16E-30	0.685655
0.295792	6.96E-11	0.477032	6.53E-28	0.065206	0.15948	0.314612	3.45E-12	0.519793
0.589175	5.54E-45	0.495707	2.49E-30	0.220589	1.48E-06	0.403006	1.15E-19	0.500588
0.484514	7.30E-29	0.688606	6.67E-67	0.462731	3.71E-26	0.439003	2.02E-23	0.677315
0.539541	1.24E-36	0.404561	8.11E-20	0.158087	0.00061	0.384101	7.26E-18	0.378668
0.595592	3.60E-46	0.635916	2.77E-54	0.361132	7.84E-16	0.491292	9.57E-30	0.692451
-0.29136	1.37E-10	-0.3557	2.25E-15	-0.20097	1.21E-05	-0.19804	1.63E-05	-0.12877
0.571507	7.58E-42	0.54248	4.34E-37	0.46972	5.28E-27	0.352817	3.90E-15	0.465859
0.796467	#####	0.769961	8.94E-93	0.695163	1.15E-68	0.513913	7.74E-33	0.652102
0.404115	8.98E-20	0.394485	7.71E-19	0.321141	1.16E-12	0.166327	0.00031	0.29095
0.401586	1.59E-19	0.421874	1.41E-21	0.142677	0.002	0.39001	2.05E-18	0.498118
0.24834	5.40E-08	0.374775	5.08E-17	0.124547	0.00704	0.201454	1.15E-05	0.389495
0.321195	1.15E-12	0.2222	1.24E-06	-0.05507	0.23491	0.243201	1.03E-07	0.393478
0.423252	1.01E-21	0.607466	1.94E-48	0.356606	1.89E-15	0.350722	5.80E-15	0.526638
0.721693	2.63E-76	0.616739	2.80E-50	0.512033	1.43E-32	0.510268	2.53E-32	0.687294
0.346021	1.40E-14	0.367943	2.03E-16	0.244576	8.67E-08	0.232615	3.71E-07	0.219684
0.506558	8.31E-32	0.419537	2.47E-21	0.154031	0.00084	0.279698	7.68E-10	0.397781
0.366546	2.69E-16	0.500946	4.89E-31	0.231583	4.19E-07	0.318335	1.86E-12	0.434792

0.404729	7.81E-20	0.458625	1.14E-25	0.221598	1.32E-06	0.395686	5.92E-19	0.480847
0.419598	2.43E-21	0.363427	4.99E-16	0.068287	0.14063	0.306556	1.28E-11	0.37192
0.606649	2.80E-48	0.419242	2.65E-21	0.396628	4.81E-19	0.46308	3.37E-26	0.556418
0.623245	1.32E-51	0.808258	#####	0.601181	3.16E-47	0.588663	6.87E-45	0.730148
0.46822	8.05E-27	0.40094	1.84E-19	0.323238	8.09E-13	0.238635	1.80E-07	0.373291
0.702211	1.30E-70	0.615871	4.19E-50	0.376317	3.70E-17	0.582334	9.56E-44	0.623516
0.798028	#####	0.799156	#####	0.669336	5.50E-62	0.613598	1.20E-49	0.700034
0.48503	6.27E-29	0.5204	9.09E-34	0.303712	2.02E-11	0.320065	1.39E-12	0.351261
0.781424	2.72E-97	0.612109	2.37E-49	0.44338	6.55E-24	0.542816	3.85E-37	0.619023
0.798806	#####	0.728019	2.92E-78	0.502947	2.61E-31	0.548583	4.74E-38	0.573148
0.42464	7.22E-22	0.436858	3.48E-23	0.26275	8.19E-09	0.231482	4.24E-07	0.219066
0.381896	1.16E-17	0.584554	3.82E-44	0.33907	5.00E-14	0.316197	2.65E-12	0.546753
-0.38291	9.34E-18	-0.29306	1.06E-10	-0.2125	3.61E-06	-0.22395	1.01E-06	-0.16849
0.556956	2.11E-39	0.665029	6.15E-61	0.379088	2.08E-17	0.470063	4.79E-27	0.713335
0.322767	8.77E-13	0.456703	1.93E-25	0.21189	3.85E-06	0.402241	1.37E-19	0.506433
0.339383	4.72E-14	0.490024	1.41E-29	0.217677	2.05E-06	0.45312	5.05E-25	0.42679
0.51988	1.08E-33	0.503989	1.88E-31	0.35497	2.59E-15	0.459093	1.01E-25	0.451068
0.35251	4.13E-15	0.357216	1.68E-15	0.031374	0.49882	0.377102	3.15E-17	0.596931
0.492079	7.54E-30	0.495824	2.40E-30	0.239467	1.63E-07	0.502005	3.51E-31	0.69346
0.563476	1.75E-40	0.668442	9.11E-62	0.382028	1.12E-17	0.407881	3.80E-20	0.620547
0.418654	3.05E-21	0.353083	3.71E-15	0.291008	1.44E-10	0.342684	2.59E-14	0.446496
0.555716	3.36E-39	0.34211	2.87E-14	0.183805	6.46E-05	0.257442	1.66E-08	0.192809
0.757467	3.83E-88	0.76594	2.98E-91	0.554973	4.44E-39	0.532069	1.71E-35	0.674937
0.544268	2.28E-37	0.287151	2.58E-10	0.141801	0.00213	0.28665	2.77E-10	0.383893
0.625663	4.15E-52	0.505096	1.32E-31	0.261568	9.60E-09	0.364166	4.31E-16	0.332243
0.318003	1.96E-12	0.413728	9.77E-21	0.172492	0.00018	0.178362	0.00011	0.327202
0.367541	2.20E-16	0.294865	8.03E-11	0.157188	0.00065	0.210367	4.53E-06	0.283002
0.432878	9.46E-23	0.382437	1.03E-17	0.212751	3.51E-06	0.531654	1.98E-35	0.545785
0.452612	5.78E-25	0.318191	1.90E-12	0.134264	0.00365	0.236834	2.24E-07	0.210411
0.284803	3.65E-10	0.421484	1.55E-21	0.159104	0.00056	0.205609	7.49E-06	0.265317
0.59556	3.65E-46	0.472313	2.53E-27	0.218681	1.83E-06	0.3547	2.72E-15	0.335227
0.504	1.87E-31	0.455819	2.45E-25	0.201865	1.10E-05	0.26218	8.85E-09	0.307678
0.644263	4.06E-56	0.480001	2.76E-28	0.412156	1.41E-20	0.433659	7.78E-23	0.459921
0.394604	7.51E-19	0.369512	1.48E-16	0.216374	2.37E-06	0.346284	1.33E-14	0.356194
0.545019	1.74E-37	0.669891	4.01E-62	0.469035	6.40E-27	0.46066	6.56E-26	0.504107
0.613344	1.34E-49	0.595045	4.56E-46	0.404926	7.47E-20	0.436473	3.83E-23	0.456177
0.622974	1.50E-51	0.666187	3.22E-61	0.498031	1.21E-30	0.442757	7.69E-24	0.546445
0.563785	1.55E-40	0.385713	5.15E-18	0.369168	1.59E-16	0.397199	4.24E-19	0.431958
0.639611	4.34E-55	0.554058	6.25E-39	0.422602	1.18E-21	0.324213	6.85E-13	0.372166
0.512728	1.14E-32	0.536752	3.33E-36	0.318829	1.71E-12	0.43383	7.46E-23	0.492741
0.3928	1.12E-18	0.577133	7.97E-43	0.294479	8.52E-11	0.335889	8.86E-14	0.507472
0.548012	5.84E-38	0.358059	1.43E-15	0.24939	4.72E-08	0.345506	1.54E-14	0.385404
0.455849	2.43E-25	0.50076	5.19E-31	0.192115	2.92E-05	0.470358	4.41E-27	0.63858
0.544908	1.81E-37	0.626549	2.71E-52	0.339095	4.97E-14	0.462439	4.02E-26	0.587047
0.584909	3.30E-44	0.664781	7.06E-61	0.386138	4.71E-18	0.539919	1.09E-36	0.639755

0.58092	1.71E-43	0.530633	2.82E-35	0.222104	1.25E-06	0.408753	3.11E-20	0.470957
0.453114	5.06E-25	0.357668	1.54E-15	0.160456	0.0005	0.352385	4.23E-15	0.406963
0.791842	#####	0.636119	2.50E-54	0.512263	1.33E-32	0.584991	3.19E-44	0.625116
0.416117	5.57E-21	0.367556	2.20E-16	0.29269	1.12E-10	0.305834	1.44E-11	0.423287
0.66758	1.48E-61	0.541718	5.71E-37	0.411452	1.66E-20	0.541822	5.50E-37	0.619112
0.543808	2.69E-37	0.449267	1.40E-24	0.106905	0.02085	0.508043	5.17E-32	0.541023
0.543136	3.43E-37	0.698124	1.78E-69	0.44898	1.52E-24	0.546291	1.09E-37	0.67533
0.455481	2.68E-25	0.211568	3.99E-06	0.063963	0.1676	0.263679	7.23E-09	0.174967
0.761855	9.75E-90	0.695837	7.56E-69	0.585556	2.52E-44	0.471949	2.81E-27	0.443227
0.612129	2.34E-49	0.451885	7.02E-25	0.308776	8.96E-12	0.467097	1.10E-26	0.462008
0.687287	1.49E-66	0.684764	6.83E-66	0.449661	1.27E-24	0.492007	7.71E-30	0.47075
0.687969	9.83E-67	0.572427	5.26E-42	0.457841	1.42E-25	0.442208	8.86E-24	0.346318
0.438018	2.59E-23	0.396696	4.74E-19	0.197032	1.80E-05	0.455094	2.97E-25	0.370608
0.650647	1.47E-57	0.537695	2.39E-36	0.305434	1.53E-11	0.323419	7.84E-13	0.474777
0.653622	3.04E-58	0.649878	2.20E-57	0.500481	5.66E-31	0.436251	4.05E-23	0.4519
0.424671	7.16E-22	0.577943	5.75E-43	0.324154	6.92E-13	0.429237	2.34E-22	0.631306
0.785512	5.73E-99	0.610323	5.33E-49	0.461327	5.46E-26	0.452349	6.20E-25	0.373157
0.629101	7.90E-53	0.517058	2.76E-33	0.411325	1.71E-20	0.350989	5.51E-15	0.38617
0.664072	1.05E-60	0.768395	3.53E-92	0.466943	1.15E-26	0.521765	5.76E-34	0.687658
0.570156	1.29E-41	0.532448	1.50E-35	0.513174	9.86E-33	0.300889	3.15E-11	0.33922
0.704731	2.54E-71	0.749168	3.22E-85	0.69091	1.62E-67	0.448995	1.51E-24	0.604231
0.56406	1.40E-40	0.571516	7.55E-42	0.404009	9.20E-20	0.40759	4.06E-20	0.463922
0.576593	9.91E-43	0.458539	1.17E-25	0.352866	3.86E-15	0.44568	3.60E-24	0.517621
0.5993	7.21E-47	0.580517	2.02E-43	0.338313	5.73E-14	0.480784	2.19E-28	0.580706
0.644053	4.52E-56	0.379792	1.80E-17	0.145499	0.00162	0.393819	8.93E-19	0.35239
0.473143	2.00E-27	0.234869	2.84E-07	0.063404	0.17135	0.275332	1.44E-09	0.232277
0.366024	2.98E-16	0.267418	4.34E-09	0.009755	0.83347	0.255804	2.06E-08	0.278167
0.49589	2.35E-30	0.316363	2.58E-12	0.243214	1.03E-07	0.208215	5.70E-06	0.338557
0.644929	2.88E-56	0.755439	2.04E-87	0.512414	1.26E-32	0.569441	1.71E-41	0.743554
0.554292	5.72E-39	0.487245	3.24E-29	0.498476	1.06E-30	0.324164	6.91E-13	0.24249
0.436047	4.27E-23	0.444711	4.63E-24	0.347761	1.01E-14	0.33011	2.46E-13	0.196998
0.426877	4.18E-22	0.173677	0.00016	0.042512	0.35933	0.173253	0.00017	0.152777
0.65661	6.15E-59	0.756812	6.58E-88	0.539757	1.15E-36	0.615946	4.05E-50	0.683743
0.52531	1.74E-34	0.361313	7.56E-16	0.299799	3.74E-11	0.291955	1.25E-10	0.226653
0.670857	2.32E-62	0.511417	1.74E-32	0.411301	1.72E-20	0.347904	9.84E-15	0.345356
0.533377	1.09E-35	0.586054	2.05E-44	0.484618	7.08E-29	0.367914	2.04E-16	0.442026
0.627048	2.13E-52	0.590748	2.85E-45	0.306268	1.34E-11	0.479709	3.00E-28	0.534609
0.605701	4.27E-48	0.63181	2.11E-53	0.369594	1.46E-16	0.56419	1.33E-40	0.721792
0.754193	5.64E-87	0.708811	1.73E-72	0.569147	1.92E-41	0.511401	1.75E-32	0.653709
-0.45996	7.94E-26	-0.38829	2.96E-18	-0.37728	3.03E-17	-0.18875	4.05E-05	-0.18125
0.72252	1.47E-76	0.695951	7.04E-69	0.499274	8.25E-31	0.481575	1.74E-28	0.576236
0.735021	1.72E-80	0.624811	6.25E-52	0.420204	2.11E-21	0.504282	1.71E-31	0.522094
0.51777	2.18E-33	0.485888	4.85E-29	0.396898	4.53E-19	0.361506	7.28E-16	0.386942
0.42338	9.80E-22	0.3043	1.84E-11	0.044898	0.33298	0.378368	2.42E-17	0.349611
-0.36742	2.26E-16	-0.35326	3.58E-15	-0.23751	2.07E-07	-0.28411	4.04E-10	-0.14267

0.65835	2.40E-59	0.330393	2.35E-13	0.194662	2.28E-05	0.434152	6.88E-23	0.487288
0.768782	2.52E-92	0.769506	1.33E-92	0.637729	1.12E-54	0.53645	3.71E-36	0.558705
0.66922	5.87E-62	0.680469	8.83E-65	0.592292	1.48E-45	0.458887	1.06E-25	0.525252
0.370007	1.34E-16	0.338754	5.29E-14	0.183384	6.71E-05	0.230037	5.02E-07	0.473469
0.410629	2.01E-20	0.562464	2.59E-40	0.221847	1.29E-06	0.471245	3.43E-27	0.467116
0.271823	2.36E-09	0.390321	1.91E-18	0.053822	0.24571	0.226537	7.54E-07	0.195176
0.651629	8.75E-58	0.407333	4.31E-20	0.335331	9.79E-14	0.35653	1.92E-15	0.324051
-0.52605	1.35E-34	-0.5191	1.40E-33	-0.37241	8.24E-17	-0.37396	6.00E-17	-0.4625
-0.27964	7.75E-10	-0.55075	2.13E-38	-0.26435	6.60E-09	-0.30101	3.09E-11	-0.36877
0.809544	#####	0.557482	1.73E-39	0.482823	1.20E-28	0.400951	1.83E-19	0.373606
0.494786	3.30E-30	0.508675	4.22E-32	0.286996	2.64E-10	0.425142	6.39E-22	0.535262
0.673256	5.89E-63	0.554484	5.33E-39	0.468296	7.88E-27	0.2887	2.04E-10	0.239358
0.579791	2.71E-43	0.562859	2.22E-40	0.426402	4.70E-22	0.318106	1.93E-12	0.469965
0.407726	3.94E-20	0.165099	0.00034	0.120958	0.00888	0.291221	1.40E-10	0.003123
0.577947	5.74E-43	0.613089	1.51E-49	0.465979	1.51E-26	0.531736	1.92E-35	0.562914
0.417779	3.76E-21	0.210298	4.57E-06	0.196678	1.86E-05	0.447446	2.27E-24	0.424041
0.480445	2.42E-28	0.577553	6.73E-43	0.320761	1.23E-12	0.4177	3.83E-21	0.384112
-0.36999	1.35E-16	-0.57393	2.89E-42	-0.4388	2.12E-23	-0.32604	5.00E-13	-0.44929
0.424561	7.35E-22	0.188172	4.27E-05	0.191508	3.10E-05	0.432126	1.14E-22	0.359617
0.71184	2.29E-73	0.562351	2.70E-40	0.413637	9.98E-21	0.442274	8.71E-24	0.468972
0.585515	2.56E-44	0.408125	3.59E-20	0.141207	0.00222	0.324703	6.30E-13	0.449788
0.717829	3.87E-75	0.480262	2.55E-28	0.320129	1.37E-12	0.431607	1.30E-22	0.394735
0.723575	6.99E-77	0.483252	1.06E-28	0.169596	0.00023	0.520389	9.13E-34	0.542609
0.678072	3.61E-64	0.698795	1.16E-69	0.526074	1.34E-34	0.471974	2.79E-27	0.57727
0.310662	6.60E-12	0.578147	5.29E-43	0.311916	5.38E-12	0.164623	0.00035	0.307206
0.726568	8.29E-78	0.698892	1.09E-69	0.467731	9.24E-27	0.488526	2.21E-29	0.664673
0.552327	1.19E-38	0.707901	3.17E-72	0.49179	8.23E-30	0.493458	4.95E-30	0.70136
0.804728	#####	0.689658	3.50E-67	0.511568	1.66E-32	0.555777	3.28E-39	0.61987
-0.45586	2.42E-25	-0.30692	1.21E-11	-0.30068	3.26E-11	-0.45112	8.61E-25	-0.38746
0.546702	9.43E-38	0.409737	2.48E-20	0.228526	5.99E-07	0.441995	9.36E-24	0.438889
0.571434	7.80E-42	0.423733	8.99E-22	0.299432	3.96E-11	0.289369	1.85E-10	0.295249
0.37701	3.21E-17	0.348112	9.47E-15	0.217851	2.01E-06	0.281868	5.61E-10	0.387912
0.611509	3.11E-49	0.526971	9.90E-35	0.405094	7.19E-20	0.401769	1.53E-19	0.33185
0.715804	1.56E-74	0.584494	3.92E-44	0.372321	8.39E-17	0.423116	1.04E-21	0.48613
0.714543	3.68E-74	0.738433	1.33E-81	0.608924	1.00E-48	0.56311	2.02E-40	0.727109
0.337046	7.20E-14	0.397701	3.79E-19	0.159018	0.00056	0.357007	1.75E-15	0.498904
0.807098	#####	0.786329	2.62E-99	0.599409	6.88E-47	0.592248	1.51E-45	0.70196
-0.34808	9.53E-15	-0.36617	2.90E-16	-0.25808	1.53E-08	-0.22035	1.52E-06	-0.36538
0.541746	5.65E-37	0.627934	1.39E-52	0.359501	1.08E-15	0.344783	1.76E-14	0.544189
0.284232	3.97E-10	0.221345	1.36E-06	0.008175	0.86015	0.11435	0.01341	0.108458
0.671029	2.10E-62	0.784522	1.47E-98	0.605581	4.51E-48	0.50505	1.34E-31	0.605203
0.32478	6.21E-13	0.271617	2.42E-09	0.245527	7.69E-08	0.214575	2.88E-06	0.302673
0.450092	1.13E-24	0.550369	2.46E-38	0.313443	4.18E-12	0.351169	5.33E-15	0.331862
0.403449	1.04E-19	0.259598	1.25E-08	0.071142	0.12473	0.380577	1.53E-17	0.273096
0.724078	4.89E-77	0.67295	7.02E-63	0.489609	1.59E-29	0.444626	4.74E-24	0.505857

0.429491	2.20E-22	0.562158	2.91E-40	0.287928	2.29E-10	0.436445	3.86E-23	0.556342
0.607842	1.64E-48	0.561808	3.32E-40	0.484647	7.02E-29	0.36799	2.01E-16	0.441913
0.687707	1.15E-66	0.735325	1.37E-80	0.615087	6.02E-50	0.389262	2.41E-18	0.412139
0.555267	3.97E-39	0.472891	2.15E-27	0.319617	1.50E-12	0.406954	4.70E-20	0.474357
-0.19569	2.05E-05	-0.31874	1.73E-12	-0.16598	0.00032	-0.15507	0.00077	-0.25141
0.361796	6.88E-16	0.375294	4.57E-17	0.275092	1.49E-09	0.283584	4.36E-10	0.256579
0.254671	2.39E-08	0.3817	1.20E-17	0.213353	3.29E-06	0.305407	1.54E-11	0.368646
0.321965	1.01E-12	0.317057	2.30E-12	0.174823	0.00015	0.361608	7.14E-16	0.453329
0.68979	3.23E-67	0.601547	2.69E-47	0.41936	2.58E-21	0.501684	3.88E-31	0.629348
0.592169	1.56E-45	0.599484	6.65E-47	0.461863	4.71E-26	0.334149	1.21E-13	0.368538
0.480797	2.18E-28	0.384625	6.49E-18	0.073407	0.11314	0.347622	1.04E-14	0.321209
-0.21826	1.92E-06	-0.34469	1.79E-14	-0.30019	3.52E-11	-0.16304	0.0004	-0.22388
0.405125	7.14E-20	0.173565	0.00016	0.00777	0.867	0.254834	2.34E-08	0.181976
0.714128	4.88E-74	0.769165	1.80E-92	0.594206	6.53E-46	0.412547	1.29E-20	0.467622
0.370667	1.17E-16	0.486573	3.96E-29	0.280619	6.72E-10	0.293951	9.23E-11	0.53427
0.588721	6.71E-45	0.566074	6.40E-41	0.50841	4.60E-32	0.316875	2.37E-12	0.304444
0.559605	7.71E-40	0.573435	3.52E-42	0.361403	7.43E-16	0.467565	9.68E-27	0.525343
0.777234	1.31E-95	0.531783	1.89E-35	0.419913	2.26E-21	0.488927	1.96E-29	0.444289
0.11012	0.01729	-0.06029	0.19341	0.120764	0.00899	-0.05754	0.21454	-0.07011
0.539681	1.18E-36	0.259345	1.29E-08	0.417618	3.90E-21	0.27711	1.11E-09	0.268386
0.561898	3.21E-40	0.302075	2.61E-11	0.344063	2.01E-14	0.439082	1.98E-23	0.523093
0.553047	9.11E-39	0.124458	0.00708	0.323299	8.01E-13	0.254195	2.54E-08	0.264829
0.178998	0.0001	-0.14651	0.0015	-0.05222	0.26003	0.03034	0.51308	-0.0738
0.23264	3.70E-07	0.100373	0.0301	0.24534	7.88E-08	-0.06605	0.15416	-0.00065
0.33077	2.19E-13	0.168152	0.00026	0.431995	1.18E-22	0.160895	0.00048	0.137955
0.426384	4.72E-22	0.406441	5.28E-20	0.424932	6.72E-22	0.310423	6.86E-12	0.263026
0.562491	2.56E-40	0.392534	1.18E-18	0.613237	1.41E-49	0.206599	6.75E-06	0.116501
0.466305	1.38E-26	0.177586	0.00011	0.217877	2.00E-06	0.260116	1.17E-08	0.272239
0.192537	2.80E-05	-0.12954	0.00505	0.085613	0.06452	0.062848	0.17514	-0.01486
0.536721	3.37E-36	0.307313	1.14E-11	0.495591	2.58E-30	0.227965	6.40E-07	0.167982
0.26063	1.09E-08	0.246305	6.98E-08	0.296164	6.57E-11	0.274403	1.64E-09	0.270633
0.67806	3.64E-64	0.533097	1.20E-35	0.690356	2.28E-67	0.429451	2.22E-22	0.42007
0.404842	7.61E-20	0.29263	1.13E-10	0.489759	1.52E-29	0.255795	2.06E-08	0.213876
0.515835	4.13E-33	0.212227	3.71E-06	0.489102	1.85E-29	0.195436	2.11E-05	0.042606
0.300413	3.40E-11	-0.08857	0.0558	0.176885	0.00012	0.090743	0.05002	-0.12487
0.499518	7.64E-31	0.289042	1.94E-10	0.335346	9.76E-14	0.404448	8.33E-20	0.386583
0.499795	7.01E-31	0.319787	1.45E-12	0.36357	4.85E-16	0.339662	4.49E-14	0.356995
0.535894	4.51E-36	0.381094	1.37E-17	0.570503	1.13E-41	0.294092	9.04E-11	0.117288
0.561406	3.88E-40	0.328934	3.03E-13	0.336747	7.60E-14	0.357447	1.61E-15	0.391306
0.615207	5.70E-50	0.410959	1.87E-20	0.578978	3.77E-43	0.31669	2.44E-12	0.279009
-0.55702	2.05E-39	-0.45866	1.13E-25	-0.62357	1.13E-51	-0.27512	1.48E-09	-0.37534
0.436826	3.51E-23	0.156223	0.0007	0.119227	0.00991	0.107587	0.02005	0.132837
0.223743	1.04E-06	-0.11838	0.01045	0.207782	5.96E-06	-0.06372	0.16922	-0.22145
0.136415	0.00314	-0.01485	0.74895	0.058856	0.20423	0.010728	0.81714	-0.08035
0.316604	2.48E-12	0.238254	1.89E-07	0.480482	2.39E-28	0.11038	0.01702	0.263603

0.627009	2.17E-52	0.460408	7.03E-26	0.599359	7.03E-47	0.388604	2.77E-18	0.521735
0.443774	5.91E-24	0.401759	1.53E-19	0.503362	2.29E-31	0.135936	0.00325	0.267823
0.627026	2.16E-52	0.409553	2.58E-20	0.255259	2.21E-08	0.481399	1.83E-28	0.483957
0.617143	2.32E-50	0.642944	7.98E-56	0.738152	1.64E-81	0.367476	2.23E-16	0.436026
0.303314	2.15E-11	0.322168	9.71E-13	0.545769	1.32E-37	0.167486	0.00028	0.165305
0.50252	2.99E-31	0.123558	0.00751	0.341786	3.05E-14	0.107696	0.01992	0.074195
0.349442	7.38E-15	0.12761	0.00575	0.143084	0.00194	0.122287	0.00816	0.082929
0.243747	9.61E-08	-0.037	0.42507	0.272271	2.21E-09	0.028163	0.54379	-0.11324
0.079111	0.08769	-0.22382	1.03E-06	-0.10056	0.0298	-0.04535	0.32812	-0.29507
0.639479	4.64E-55	0.446701	2.76E-24	0.613441	1.29E-49	0.264703	6.29E-09	0.194067
0.464278	2.42E-26	0.518659	1.62E-33	0.338129	5.92E-14	0.438834	2.10E-23	0.509919
0.59494	4.77E-46	0.266392	4.99E-09	0.25431	2.51E-08	0.232588	3.72E-07	0.237228
-0.45314	5.02E-25	-0.44876	1.61E-24	-0.60127	3.05E-47	-0.30208	2.61E-11	-0.44175
0.571183	8.62E-42	0.360919	8.17E-16	0.624105	8.75E-52	0.182124	7.55E-05	0.167209
0.698467	1.43E-69	0.422058	1.35E-21	0.43953	1.76E-23	0.436715	3.61E-23	0.515395
0.667983	1.18E-61	0.400532	2.02E-19	0.368798	1.71E-16	0.391848	1.37E-18	0.31974
0.690887	1.65E-67	0.445258	4.02E-24	0.566389	5.66E-41	0.296585	6.16E-11	0.252402
0.569376	1.76E-41	0.213509	3.23E-06	0.332677	1.57E-13	0.534552	7.22E-36	0.141198
0.495383	2.75E-30	0.221087	1.40E-06	0.343939	2.05E-14	0.201319	1.17E-05	-0.00995
0.690806	1.73E-67	0.551548	1.59E-38	0.654979	1.48E-58	0.29616	6.58E-11	0.281299
0.487654	2.87E-29	0.429284	2.31E-22	0.384906	6.12E-18	0.250448	4.13E-08	0.264233
0.120382	0.00921	-0.16755	0.00028	0.08539	0.06522	-0.19612	1.97E-05	-0.21917
0.602722	1.60E-47	0.367261	2.33E-16	0.432723	9.84E-23	0.25294	2.99E-08	0.324007
0.568312	2.67E-41	0.36689	2.51E-16	0.464199	2.47E-26	0.294054	9.09E-11	0.342985
0.60403	8.99E-48	0.401481	1.63E-19	0.318519	1.80E-12	0.390605	1.80E-18	0.499325
0.412874	1.19E-20	-0.01915	0.67973	0.283702	4.29E-10	-0.04105	0.37615	-0.32525
0.300501	3.35E-11	0.204853	8.10E-06	0.097974	0.03429	0.191848	3.00E-05	0.019948
0.107161	0.02055	0.103881	0.02477	0.118676	0.01026	0.073046	0.11493	0.11943
0.492951	5.78E-30	0.113921	0.01377	0.30212	2.60E-11	0.137898	0.00282	0.080936
0.12874	0.00533	-0.26606	5.23E-09	-0.16897	0.00024	-0.06172	0.18305	-0.20979
0.502059	3.45E-31	0.272209	2.23E-09	0.416767	4.77E-21	0.142959	0.00195	0.030598
0.487297	3.19E-29	0.278185	9.56E-10	0.543299	3.23E-37	0.121437	0.00861	0.062338
0.600435	4.39E-47	0.375815	4.10E-17	0.401391	1.66E-19	0.29716	5.64E-11	0.220416
0.233138	3.49E-07	-0.04989	0.28193	0.185915	5.30E-05	-0.00492	0.91549	-0.01232
0.328435	3.30E-13	0.183818	6.45E-05	0.202541	1.03E-05	0.314257	3.66E-12	0.274476
0.646798	1.10E-56	0.429234	2.34E-22	0.613432	1.29E-49	0.321848	1.03E-12	0.170298
-0.50639	8.77E-32	-0.26785	4.09E-09	-0.43238	1.07E-22	-0.20036	1.29E-05	-0.19299
0.645179	2.53E-56	0.374292	5.61E-17	0.291217	1.40E-10	0.425635	5.66E-22	0.418387
0.393372	9.85E-19	0.153483	0.00088	0.329341	2.82E-13	0.050224	0.27876	-0.13979
0.308872	8.82E-12	-0.0137	0.76772	0.065467	0.15781	0.10765	0.01997	-0.07144
0.384685	6.41E-18	0.289273	1.88E-10	0.303967	1.94E-11	0.213209	3.34E-06	0.144331
0.171367	0.0002	-0.15957	0.00054	0.127046	0.00597	-0.05077	0.27355	-0.07944
-0.33721	6.99E-14	-0.23207	3.96E-07	-0.38418	7.14E-18	-0.08874	0.05533	-0.20093
0.415034	7.19E-21	0.406185	5.60E-20	0.497265	1.54E-30	0.365694	3.19E-16	0.425668
0.435094	5.43E-23	0.369957	1.36E-16	0.618776	1.08E-50	0.175302	0.00014	0.118644

0.381664	1.21E-17	0.020618	0.65674	0.234319	3.03E-07	0.013083	0.77796	-0.04433
0.291163	1.41E-10	-0.12908	0.00521	0.100384	0.03008	0.055875	0.22814	-0.15009
0.475817	9.27E-28	0.445588	3.69E-24	0.662201	2.94E-60	0.257471	1.66E-08	0.166417
0.704911	2.26E-71	0.595424	3.87E-46	0.626551	2.71E-52	0.294262	8.80E-11	0.292029
0.221231	1.38E-06	-0.07449	0.10789	0.069657	0.13281	-0.08561	0.06453	-0.10844
0.166228	0.00031	0.061432	0.18509	0.05189	0.2631	0.103316	0.02557	0.118387
-0.03599	0.43781	-0.27246	2.15E-09	-0.21554	2.59E-06	-0.0982	0.03387	-0.17487
0.519787	1.12E-33	0.290791	1.49E-10	0.472863	2.16E-27	0.118986	0.01007	0.119219
0.521037	7.35E-34	0.442772	7.66E-24	0.531572	2.04E-35	0.155565	0.00074	0.057966
0.616479	3.16E-50	0.312056	5.25E-12	0.324884	6.10E-13	0.412486	1.31E-20	0.519698
0.183345	6.74E-05	-0.04318	0.35186	0.117994	0.01071	-0.14517	0.00166	-0.27729
0.353867	3.19E-15	0.097449	0.03527	0.226824	7.30E-07	0.146392	0.00151	0.169097
0.504288	1.71E-31	0.391983	1.33E-18	0.374501	5.38E-17	0.346589	1.26E-14	0.374424
0.514302	6.82E-33	0.252227	3.28E-08	0.415257	6.82E-21	0.316735	2.42E-12	0.394676
0.50414	1.79E-31	0.202247	1.06E-05	0.439695	1.69E-23	0.247563	5.95E-08	0.14644
0.584887	3.33E-44	0.222442	1.20E-06	0.401504	1.62E-19	0.202036	1.08E-05	0.151948
0.232882	3.59E-07	-0.09579	0.03853	-0.01197	0.79649	0.040927	0.37754	-0.01242
0.416886	4.64E-21	0.199792	1.36E-05	0.329722	2.64E-13	0.187034	4.76E-05	0.103045
0.593235	9.90E-46	0.200498	1.27E-05	0.375151	4.70E-17	0.201877	1.10E-05	0.071142
0.496094	2.21E-30	0.323354	7.93E-13	0.234956	2.81E-07	0.362378	6.14E-16	0.259775
0.204518	8.39E-06	-0.12764	0.00574	0.025423	0.58368	0.018936	0.68317	-0.05599
0.20793	5.87E-06	-0.2323	3.85E-07	-0.00263	0.95482	0.010029	0.82886	-0.27617
0.417273	4.24E-21	0.106349	0.02153	0.262911	8.02E-09	0.201814	1.11E-05	0.089468
0.628785	9.21E-53	0.251036	3.83E-08	0.392422	1.21E-18	0.350666	5.86E-15	0.229601
0.29454	8.44E-11	0.343908	2.07E-14	0.516132	3.74E-33	0.180758	8.56E-05	0.181383
0.520949	7.57E-34	0.380297	1.62E-17	0.568984	2.05E-41	0.313126	4.41E-12	0.266622
0.596135	2.85E-46	0.275912	1.32E-09	0.347958	9.74E-15	0.347509	1.06E-14	0.2192
0.530152	3.33E-35	0.118977	0.01007	0.257816	1.58E-08	0.235023	2.79E-07	0.212659
0.526301	1.24E-34	0.119226	0.00991	0.195434	2.11E-05	0.25289	3.01E-08	0.212814
0.356567	1.90E-15	0.153739	0.00086	0.227856	6.48E-07	0.149113	0.00123	0.208813
0.226443	7.62E-07	-0.0538	0.24591	0.167446	0.00028	-0.14039	0.00236	-0.06084
0.382684	9.79E-18	0.094845	0.04049	0.155728	0.00073	0.138067	0.00279	-0.12556
0.38141	1.28E-17	0.14305	0.00194	0.224284	9.76E-07	0.194198	2.38E-05	0.16141
0.172386	0.00018	0.01542	0.73962	0.045456	0.327	0.206651	6.72E-06	0.144967
0.371835	9.27E-17	0.13226	0.0042	0.493853	4.39E-30	0.153681	0.00086	-0.00591
0.435535	4.86E-23	0.107637	0.01999	0.181411	8.06E-05	0.180672	8.63E-05	0.215055
0.622	2.38E-51	0.283079	4.70E-10	0.47076	3.93E-27	0.316755	2.42E-12	0.278529
0.461113	5.79E-26	0.262316	8.69E-09	0.228455	6.04E-07	0.290935	1.46E-10	0.274569
-0.46541	1.77E-26	-0.33351	1.35E-13	-0.50161	3.98E-31	-0.24493	8.29E-08	-0.31204
0.479893	2.84E-28	-0.06855	0.1391	0.070945	0.12578	0.129376	0.00511	-0.02647
-0.49964	7.36E-31	-0.44245	8.32E-24	-0.45445	3.53E-25	-0.34576	1.47E-14	-0.52404
0.617269	2.19E-50	0.352612	4.05E-15	0.400813	1.89E-19	0.260887	1.05E-08	0.300576
0.674861	2.34E-63	0.45941	9.23E-26	0.49681	1.77E-30	0.395908	5.64E-19	0.396172
0.557924	1.46E-39	0.560655	5.17E-40	0.337333	6.84E-14	0.445176	4.11E-24	0.481922
0.544576	2.04E-37	0.403142	1.12E-19	0.430599	1.67E-22	0.190654	3.37E-05	0.128355



0.732204	1.38E-79	0.408846	3.04E-20	0.309988	7.36E-12	0.449841	1.21E-24	0.360175
0.221229	1.38E-06	0.084304	0.06873	0.167066	0.00029	0.017693	0.70294	-0.05028
0.639248	5.21E-55	0.605633	4.40E-48	0.745887	4.29E-84	0.316944	2.34E-12	0.320284
0.614617	7.48E-50	0.590833	2.75E-45	0.750278	1.33E-85	0.342497	2.68E-14	0.424986
0.535828	4.62E-36	0.448709	1.63E-24	0.635375	3.62E-54	0.309167	8.41E-12	0.221064
0.369394	1.52E-16	0.091848	0.04729	0.142151	0.00207	0.009535	0.83718	-0.09423
0.437372	3.05E-23	0.320386	1.31E-12	0.506813	7.66E-32	0.136173	0.00319	0.081904
0.686851	1.94E-66	0.530014	3.49E-35	0.6039	9.52E-48	0.30676	1.24E-11	0.174091
0.619475	7.82E-51	0.53562	4.97E-36	0.508621	4.30E-32	0.450578	9.93E-25	0.485366
0.223314	1.09E-06	0.146429	0.00151	0.177036	0.00012	-0.06297	0.17433	-0.03903
0.566565	5.29E-41	0.204493	8.41E-06	0.458402	1.22E-25	0.138515	0.0027	0.140478
0.3957	5.90E-19	0.167202	0.00028	0.539975	1.06E-36	0.108878	0.01859	-0.05685
0.665887	3.81E-61	0.492875	5.92E-30	0.541963	5.23E-37	0.336397	8.09E-14	0.287735
0.566423	5.59E-41	0.401393	1.66E-19	0.518132	1.93E-33	0.188747	4.05E-05	0.168927
0.484774	6.76E-29	0.286991	2.64E-10	0.383403	8.41E-18	0.249111	4.89E-08	0.150269
0.280786	6.56E-10	-0.0792	0.08734	0.159949	0.00052	0.09278	0.04508	0.033254
-0.34082	3.63E-14	-0.29158	1.32E-10	-0.43385	7.41E-23	-0.21956	1.66E-06	-0.39374
0.4631	3.35E-26	0.381725	1.20E-17	0.537122	2.93E-36	0.190226	3.51E-05	0.02201
0.171473	0.0002	-0.06727	0.14664	0.075562	0.10292	-0.17147	0.0002	-0.25386
0.386842	4.05E-18	0.023918	0.60616	0.183228	6.81E-05	0.082225	0.07587	0.088166
0.46803	8.49E-27	0.558617	1.12E-39	0.547438	7.21E-38	0.445007	4.29E-24	0.46177
0.411169	1.78E-20	0.244964	8.26E-08	0.599645	6.20E-47	0.108293	0.01924	-0.00592
0.217797	2.02E-06	-0.00509	0.91259	0.096514	0.03707	0.057572	0.2143	-0.02698
0.408923	2.99E-20	0.256153	1.97E-08	0.451521	7.73E-25	0.26312	7.79E-09	0.356047
0.674653	2.64E-63	0.346782	1.21E-14	0.365005	3.65E-16	0.418051	3.52E-21	0.347406
0.454466	3.52E-25	0.081784	0.07746	0.341933	2.97E-14	0.096107	0.03788	-0.09579
0.380825	1.45E-17	0.23684	2.24E-07	0.304484	1.79E-11	0.219691	1.64E-06	0.17592
-0.04023	0.38571	-0.09404	0.04224	-0.02947	0.52526	-0.02066	0.65603	-0.10793
0.62056	4.69E-51	0.449608	1.28E-24	0.448584	1.68E-24	0.360033	9.72E-16	0.484769
0.451289	8.23E-25	0.23389	3.19E-07	0.085325	0.06543	0.231028	4.47E-07	0.305888
0.310449	6.83E-12	0.078313	0.09095	0.152899	0.00092	0.286367	2.89E-10	0.157392
0.5618	3.33E-40	0.379008	2.12E-17	0.48068	2.26E-28	0.3989	2.90E-19	0.191978
0.574629	2.18E-42	0.342107	2.88E-14	0.683679	1.31E-65	0.244352	8.91E-08	0.171676
0.539317	1.34E-36	0.181834	7.75E-05	0.336923	7.36E-14	0.197603	1.70E-05	0.265142
0.485825	4.95E-29	0.375695	4.21E-17	0.415161	6.98E-21	0.252955	2.99E-08	0.320213
0.342802	2.53E-14	0.072515	0.1176	0.267655	4.20E-09	0.086818	0.06084	-0.03028
0.397326	4.12E-19	0.103601	0.02516	0.202514	1.03E-05	0.190417	3.44E-05	0.232532
-0.53484	6.54E-36	-0.49179	8.23E-30	-0.54633	1.08E-37	-0.30423	1.86E-11	-0.51197
0.550283	2.54E-38	0.111151	0.01626	0.465241	1.85E-26	0.143778	0.00184	-0.05036
0.449633	1.28E-24	0.561991	3.10E-40	0.734634	2.30E-80	0.32177	1.04E-12	0.348396
0.492261	7.13E-30	0.349257	7.64E-15	0.571487	7.64E-42	0.165044	0.00034	0.143212
0.391478	1.49E-18	0.078957	0.08831	0.20642	6.88E-06	0.032106	0.48886	0.048176
0.366655	2.63E-16	0.25552	2.14E-08	0.384973	6.03E-18	0.023955	0.6056	-0.12983
0.531303	2.24E-35	0.194733	2.26E-05	0.282595	5.04E-10	0.174562	0.00015	0.085191
0.684394	8.53E-66	0.46394	2.66E-26	0.738137	1.66E-81	0.323303	8.00E-13	0.190321

0.601762	2.45E-47	0.429081	2.43E-22	0.653879	2.65E-58	0.344932	1.71E-14	0.298852
0.544519	2.08E-37	0.306454	1.30E-11	0.235566	2.61E-07	0.255451	2.16E-08	0.22881
0.447734	2.10E-24	0.341166	3.41E-14	0.308984	8.67E-12	0.297039	5.74E-11	0.181198
0.62269	1.72E-51	0.529231	4.57E-35	0.608246	1.36E-48	0.378615	2.30E-17	0.417233
0.286091	3.01E-10	0.16638	0.0003	0.332844	1.52E-13	0.111908	0.01554	-0.06468
0.699878	5.83E-70	0.424213	8.00E-22	0.618734	1.11E-50	0.353573	3.38E-15	0.358071
0.408942	2.97E-20	0.428724	2.65E-22	0.332013	1.76E-13	0.323453	7.80E-13	0.593441
0.426609	4.46E-22	0.206063	7.14E-06	0.365628	3.23E-16	0.032897	0.4782	-0.12182
0.52738	8.61E-35	0.21084	4.31E-06	0.308799	8.93E-12	0.227117	7.06E-07	0.157275
0.630956	3.20E-53	0.389252	2.41E-18	0.527104	9.47E-35	0.325429	5.56E-13	0.325112
0.496472	1.96E-30	0.142573	0.00201	0.101547	0.02822	0.31174	5.53E-12	0.269148
0.520552	8.64E-34	0.224658	9.36E-07	0.382613	9.94E-18	0.26997	3.05E-09	0.209975
0.565705	7.39E-41	0.43674	3.58E-23	0.524974	1.95E-34	0.25508	2.27E-08	0.205594
0.246879	6.49E-08	-0.00338	0.942	0.152368	0.00096	0.050126	0.27969	0.005681
0.586418	1.76E-44	0.404834	7.62E-20	0.538499	1.80E-36	0.185793	5.36E-05	0.181384
0.603374	1.20E-47	0.583261	6.53E-44	0.502666	2.85E-31	0.302091	2.61E-11	0.4195
0.250057	4.34E-08	0.023391	0.61413	0.131118	0.00454	0.03093	0.50491	-0.05539
0.209208	5.13E-06	0.265016	6.03E-09	0.436166	4.14E-23	0.143192	0.00192	0.128727
0.299765	3.76E-11	0.115015	0.01288	0.325127	5.85E-13	-0.03841	0.4076	-0.1094
0.492469	6.70E-30	0.47306	2.04E-27	0.709437	1.14E-72	0.229847	5.14E-07	0.19451
0.686432	2.50E-66	0.298257	4.75E-11	0.410424	2.11E-20	0.425908	5.30E-22	0.338671
0.549265	3.69E-38	0.329944	2.54E-13	0.434066	7.03E-23	0.255853	2.05E-08	0.133094
0.687243	1.53E-66	0.409691	2.50E-20	0.531849	1.85E-35	0.369226	1.57E-16	0.215117
0.606567	2.90E-48	0.327152	4.13E-13	0.347582	1.05E-14	0.337488	6.65E-14	0.283857
0.544546	2.06E-37	0.183221	6.82E-05	0.391588	1.45E-18	0.230243	4.90E-07	-0.07396
0.60952	7.68E-49	0.350668	5.86E-15	0.522763	4.12E-34	0.287184	2.56E-10	0.326676
0.383536	8.18E-18	0.211624	3.96E-06	0.410185	2.23E-20	0.107222	0.02047	0.099252
0.170175	0.00022	-0.12129	0.0087	0.07426	0.109	-0.0367	0.42883	-0.19573
0.14866	0.00127	-0.08423	0.06897	0.060379	0.19275	-0.02111	0.64911	-0.15949
0.205975	7.21E-06	-0.07106	0.12516	0.195722	2.05E-05	-0.02043	0.65971	-0.04295
0.428346	2.91E-22	0.017372	0.70807	0.069155	0.13564	0.204184	8.68E-06	0.386695
0.788757	#####	0.46826	7.96E-27	0.568808	2.20E-41	0.37752	2.88E-17	0.377693
0.326133	4.92E-13	-0.05675	0.2209	0.139812	0.00246	0.024549	0.59669	-0.03323
0.429604	2.14E-22	0.275813	1.34E-09	0.434745	5.93E-23	0.170157	0.00022	0.015119
0.508726	4.16E-32	0.329202	2.89E-13	0.479621	3.08E-28	0.177403	0.00012	0.21461
0.260499	1.11E-08	0.094472	0.04128	0.171323	0.0002	0.196172	1.96E-05	0.007619
0.578799	4.06E-43	0.066506	0.1513	0.266646	4.82E-09	0.166165	0.00031	0.058908
0.549874	2.95E-38	0.344504	1.85E-14	0.418804	2.94E-21	0.207419	6.20E-06	0.198179
0.525648	1.55E-34	0.443494	6.35E-24	0.367657	2.15E-16	0.417834	3.71E-21	0.518785
0.610404	5.14E-49	0.420222	2.10E-21	0.547199	7.86E-38	0.258072	1.53E-08	0.234637
0.379958	1.74E-17	0.24999	4.37E-08	0.500968	4.86E-31	0.092184	0.04648	0.009047
0.593733	8.00E-46	0.308056	1.01E-11	0.318648	1.76E-12	0.282349	5.23E-10	0.286681
0.467881	8.86E-27	0.3087	9.07E-12	0.474141	1.50E-27	0.28096	6.40E-10	0.147604
0.440044	1.54E-23	0.212932	3.44E-06	0.317445	2.15E-12	0.264557	6.42E-09	0.244061
0.473853	1.63E-27	0.155864	0.00073	0.049163	0.28905	0.448685	1.64E-24	0.455596

0.253188	2.90E-08	0.189916	3.62E-05	0.295709	7.05E-11	0.172219	0.00018	0.24443
0.70256	1.04E-70	0.597044	1.92E-46	0.542197	4.81E-37	0.462512	3.94E-26	0.416174
0.305586	1.50E-11	0.124892	0.00689	0.426753	4.31E-22	0.056958	0.21923	-0.07122
0.447899	2.01E-24	0.318146	1.92E-12	0.340729	3.70E-14	0.235314	2.69E-07	0.455097
0.456583	1.99E-25	0.154326	0.00082	0.136952	0.00302	0.250852	3.92E-08	0.180505
0.438032	2.58E-23	0.190811	3.32E-05	0.299752	3.77E-11	0.272241	2.22E-09	0.32569
0.50011	6.36E-31	0.322323	9.46E-13	0.425979	5.21E-22	0.185291	5.62E-05	0.172922
0.477414	5.85E-28	0.281649	5.79E-10	0.354337	2.92E-15	0.344037	2.02E-14	0.348893
0.257974	1.55E-08	0.394373	7.91E-19	0.468318	7.83E-27	0.202458	1.04E-05	0.286786
0.259699	1.23E-08	0.007181	0.87701	0.075464	0.10337	0.169799	0.00023	0.232194
0.435883	4.45E-23	0.237227	2.14E-07	0.322993	8.44E-13	0.201259	1.17E-05	0.154256
0.570781	1.01E-41	0.357541	1.58E-15	0.510055	2.71E-32	0.225817	8.19E-07	0.113904
0.251592	3.56E-08	-0.10463	0.02374	-0.03166	0.49498	0.042592	0.35842	-0.07125
0.122925	0.00783	-0.08518	0.0659	0.092083	0.04672	0.015867	0.73235	-0.19251
0.383159	8.86E-18	0.268858	3.56E-09	0.224769	9.24E-07	0.17397	0.00016	0.253692
0.148801	0.00126	-0.04768	0.30385	0.032089	0.48908	-0.09422	0.04184	-0.11714
0.010018	0.82906	0.001317	0.97736	0.152877	0.00092	0.067476	0.14542	-0.12316
0.4148	7.60E-21	0.090094	0.05169	0.091914	0.04713	0.163896	0.00038	0.117935
0.55391	6.60E-39	0.286824	2.70E-10	0.19569	2.06E-05	0.348408	8.96E-15	0.466434
0.644157	4.29E-56	0.377741	2.75E-17	0.546318	1.08E-37	0.267815	4.11E-09	0.244306
0.516049	3.85E-33	0.347475	1.07E-14	0.521409	6.49E-34	0.193169	2.64E-05	0.18162
0.564685	1.10E-40	0.194546	2.30E-05	0.286513	2.83E-10	0.227556	6.71E-07	0.026255
0.334085	1.22E-13	0.067147	0.14739	0.331909	1.80E-13	0.033281	0.47308	-0.0571
0.538715	1.67E-36	0.305923	1.42E-11	0.298113	4.86E-11	0.424188	8.05E-22	0.554111
0.445536	3.74E-24	0.365424	3.36E-16	0.384857	6.18E-18	0.259121	1.33E-08	0.261764
0.280587	6.76E-10	0.033028	0.47645	0.284491	3.82E-10	0.103816	0.02486	0.095896
0.284165	4.01E-10	0.128317	0.00549	0.127562	0.00577	0.108628	0.01887	-0.16418
0.516189	3.67E-33	0.363604	4.82E-16	0.445419	3.85E-24	0.188227	4.25E-05	0.24975
0.616344	3.37E-50	0.572575	4.96E-42	0.553243	8.47E-39	0.4815	1.78E-28	0.412616
0.593755	7.92E-46	0.179188	9.88E-05	0.256836	1.80E-08	0.244415	8.84E-08	0.230298
0.202936	9.88E-06	-0.03868	0.40431	-0.00866	0.85199	-0.08585	0.06379	-0.24231
0.477957	5.00E-28	0.274465	1.62E-09	0.36094	8.14E-16	0.265938	5.31E-09	0.197842
0.559058	9.50E-40	0.335556	9.40E-14	0.595632	3.54E-46	0.247136	6.29E-08	0.187983
0.467243	1.06E-26	0.239228	1.68E-07	0.340144	4.11E-14	0.256372	1.91E-08	0.240665
0.593913	7.41E-46	0.250804	3.94E-08	0.299817	3.73E-11	0.255298	2.20E-08	0.058045
0.143228	0.00192	0.074015	0.11018	0.149289	0.00121	0.112982	0.01457	0.0855
0.13627	0.00317	-0.18461	5.99E-05	0.023685	0.60967	-0.08871	0.0554	-0.30708
0.106202	0.02171	-0.06672	0.14996	0.196385	1.92E-05	-0.10473	0.02361	-0.25729
0.616926	2.57E-50	0.286789	2.72E-10	0.316623	2.47E-12	0.298466	4.60E-11	0.439816
0.5281	6.73E-35	0.242072	1.18E-07	0.254613	2.41E-08	0.339394	4.71E-14	0.221686
0.545704	1.36E-37	0.235678	2.58E-07	0.396603	4.84E-19	0.247862	5.73E-08	0.164688
0.578223	5.13E-43	0.246884	6.49E-08	0.469563	5.52E-27	0.213694	3.17E-06	0.010509
0.592282	1.49E-45	0.258589	1.43E-08	0.479128	3.55E-28	0.255621	2.11E-08	0.185376
0.460426	7.00E-26	0.164668	0.00035	0.356071	2.09E-15	0.063895	0.16805	0.078791
0.733614	4.89E-80	0.460554	6.75E-26	0.599613	6.29E-47	0.363564	4.86E-16	0.209034

0.520739	8.12E-34	0.210616	4.41E-06	0.337159	7.05E-14	0.306743	1.24E-11	0.027976
0.270575	2.80E-09	0.027514	0.55312	0.112905	0.01464	0.073238	0.11398	0.158611
0.443945	5.65E-24	0.045552	0.32597	0.206037	7.16E-06	0.133053	0.00397	0.178907
0.674822	2.39E-63	0.521469	6.36E-34	0.535532	5.12E-36	0.468201	8.10E-27	0.340821
0.755005	2.91E-87	0.280716	6.63E-10	0.343757	2.12E-14	0.332994	1.48E-13	0.181612
0.498474	1.06E-30	0.17613	0.00013	0.428753	2.64E-22	0.259325	1.30E-08	0.108454
0.63083	3.40E-53	0.293123	1.05E-10	0.24521	8.01E-08	0.309611	7.83E-12	0.142746
0.401803	1.51E-19	0.163251	0.0004	0.318302	1.87E-12	0.144406	0.00176	0.057537
0.757239	4.63E-88	0.501943	3.58E-31	0.681212	5.69E-65	0.332566	1.60E-13	0.301305
0.318882	1.69E-12	0.098279	0.03373	0.255586	2.12E-08	0.150125	0.00114	0.013313
0.616413	3.26E-50	0.249161	4.86E-08	0.267321	4.40E-09	0.372441	8.19E-17	0.39219
0.47561	9.84E-28	0.361548	7.23E-16	0.377011	3.20E-17	0.367347	2.29E-16	0.404944
0.192636	2.78E-05	-0.06781	0.1434	0.216676	2.29E-06	0.003425	0.94116	-0.05893
0.661894	3.48E-60	0.459412	9.23E-26	0.484431	7.49E-29	0.448722	1.62E-24	0.452459
0.737733	2.26E-81	0.484383	7.59E-29	0.524215	2.53E-34	0.409581	2.57E-20	0.322052
0.28756	2.42E-10	0.056583	0.22229	0.295401	7.39E-11	0.153641	0.00086	0.311179
0.446948	2.59E-24	0.014255	0.75866	0.139724	0.00248	0.23991	1.54E-07	0.073704
0.398238	3.36E-19	0.159059	0.00056	0.338593	5.45E-14	0.049022	0.29043	0.058877
0.48267	1.26E-28	0.076561	0.09843	0.11406	0.01365	0.261016	1.03E-08	0.140717
0.588614	7.02E-45	0.322905	8.57E-13	0.453949	4.04E-25	0.319483	1.53E-12	0.278082
0.212906	3.45E-06	0.252631	3.12E-08	0.314882	3.30E-12	0.218858	1.80E-06	0.286072
0.543865	2.64E-37	0.340215	4.06E-14	0.482084	1.50E-28	0.221961	1.27E-06	0.214076
0.620361	5.16E-51	0.230237	4.91E-07	0.431502	1.33E-22	0.162453	0.00042	0.148422
0.516988	2.82E-33	0.126114	0.00635	0.257624	1.62E-08	0.238947	1.73E-07	0.049372
0.495919	2.33E-30	0.270646	2.78E-09	0.319917	1.42E-12	0.288864	1.99E-10	0.134895
0.820683	#####	0.667231	1.80E-61	0.680091	1.10E-64	0.41866	3.05E-21	0.413663
0.379312	1.99E-17	0.165762	0.00032	0.23217	3.91E-07	0.273668	1.82E-09	0.4104
0.672645	8.36E-63	0.493312	5.18E-30	0.541943	5.27E-37	0.446346	3.03E-24	0.535725
0.117904	0.01077	-0.08084	0.08097	0.152987	0.00091	-0.11709	0.01134	-0.18592
0.617233	2.23E-50	0.374467	5.41E-17	0.477045	6.51E-28	0.247957	5.67E-08	0.105974
0.552017	1.34E-38	0.252746	3.07E-08	0.46184	4.74E-26	0.266047	5.24E-09	0.236051
0.498844	9.43E-31	0.17806	0.00011	0.364021	4.44E-16	0.195775	2.04E-05	0.148977
0.454954	3.09E-25	0.332469	1.63E-13	0.384071	7.30E-18	0.237845	1.98E-07	0.050822
0.631177	2.87E-53	0.316903	2.36E-12	0.501928	3.60E-31	0.202189	1.07E-05	0.124825
0.695566	8.96E-69	0.329491	2.75E-13	0.451065	8.73E-25	0.266374	5.01E-09	0.229897
0.473807	1.65E-27	0.241076	1.34E-07	0.377167	3.10E-17	0.071511	0.12278	0.083524
0.4419	9.59E-24	0.074589	0.10744	0.213368	3.28E-06	0.173031	0.00017	0.129897
0.376834	3.32E-17	0.110264	0.01714	0.394538	7.63E-19	0.002166	0.96276	-0.10673
0.583603	5.67E-44	0.224602	9.42E-07	0.484363	7.64E-29	0.219695	1.64E-06	0.030691
0.215916	2.49E-06	0.024468	0.59791	0.264683	6.31E-09	0.054764	0.23753	-0.08061
0.027707	0.55033	-0.33416	1.21E-13	-0.0245	0.5974	-0.16192	0.00044	-0.37501
0.466201	1.42E-26	0.356012	2.12E-15	0.438302	2.41E-23	0.122054	0.00828	0.019413
0.346525	1.27E-14	0.284342	3.90E-10	0.395275	6.48E-19	0.261302	9.95E-09	0.407448
0.739899	4.37E-82	0.501479	4.14E-31	0.708069	2.83E-72	0.369312	1.54E-16	0.395514
0.429187	2.37E-22	0.215159	2.70E-06	0.311886	5.40E-12	0.161287	0.00047	-0.02736

0.526127	1.32E-34	0.337532	6.60E-14	0.444549	4.83E-24	0.242076	1.18E-07	0.218041
0.305755	1.46E-11	-0.10812	0.01943	0.105833	0.02217	0.107933	0.01965	0.0076
0.071704	0.12177	-0.19737	1.74E-05	0.033379	0.47177	-0.2265	7.58E-07	-0.39202
0.357714	1.52E-15	0.284998	3.54E-10	0.426702	4.36E-22	0.180702	8.60E-05	0.153194
0.542069	5.03E-37	0.269568	3.22E-09	0.361388	7.46E-16	0.278692	8.88E-10	0.085427
0.711729	2.47E-73	0.362582	5.90E-16	0.489614	1.59E-29	0.276256	1.26E-09	0.189502
0.329427	2.78E-13	0.090483	0.05069	0.147674	0.00137	0.102343	0.027	-0.01025
0.445723	3.56E-24	0.387014	3.90E-18	0.444063	5.48E-24	0.336722	7.63E-14	0.242799
0.173241	0.00017	-0.15959	0.00054	-0.23579	2.54E-07	0.122111	0.00825	0.180956
0.443136	6.97E-24	0.288994	1.96E-10	0.342936	2.47E-14	0.342336	2.76E-14	0.447108
0.62305	1.45E-51	0.442402	8.43E-24	0.585538	2.54E-44	0.275603	1.38E-09	0.249696
0.629641	6.08E-53	0.536196	4.05E-36	0.691772	9.54E-68	0.399496	2.54E-19	0.315526
0.471515	3.17E-27	0.433685	7.73E-23	0.463249	3.22E-26	0.351651	4.86E-15	0.259605
0.614121	9.40E-50	0.229376	5.43E-07	0.522025	5.28E-34	0.120463	0.00917	-0.03912
0.569063	1.99E-41	0.401233	1.72E-19	0.264661	6.32E-09	0.39631	5.16E-19	0.264268
0.536393	3.78E-36	0.414186	8.78E-21	0.50328	2.35E-31	0.199505	1.40E-05	0.046453
0.433106	8.94E-23	0.325451	5.54E-13	0.492649	6.34E-30	0.014195	0.75964	-0.08282
0.636743	1.83E-54	0.288495	2.11E-10	0.411043	1.83E-20	0.312132	5.19E-12	0.26552
0.656021	8.44E-59	0.565856	6.96E-41	0.758544	1.57E-88	0.356534	1.91E-15	0.304917
0.431634	1.29E-22	0.132617	0.00409	0.334286	1.18E-13	0.014597	0.75305	-0.03726
0.419852	2.29E-21	0.240603	1.42E-07	0.388306	2.96E-18	0.192097	2.93E-05	0.059144
0.638432	7.86E-55	0.430208	1.84E-22	0.428978	2.49E-22	0.441966	9.43E-24	0.319712
0.436156	4.15E-23	0.399691	2.43E-19	0.548971	4.11E-38	0.257455	1.66E-08	0.257351
0.513828	7.96E-33	0.350627	5.90E-15	0.486602	3.92E-29	0.224868	9.13E-07	0.085587
0.084766	0.06722	-0.2134	3.27E-06	-0.08542	0.06513	-0.00216	0.96282	-0.10767
0.407209	4.43E-20	0.225308	8.69E-07	0.263186	7.72E-09	0.254108	2.57E-08	0.17995
0.654528	1.88E-58	0.374663	5.20E-17	0.293021	1.06E-10	0.286327	2.91E-10	0.105652
0.453911	4.09E-25	0.389217	2.43E-18	0.503141	2.46E-31	0.322126	9.78E-13	0.514558
0.198322	1.58E-05	-0.0811	0.07999	-0.0114	0.80596	0.063368	0.17159	-0.07205
0.623511	1.16E-51	0.298803	4.37E-11	0.349212	7.71E-15	0.284241	3.96E-10	0.252174
0.158145	0.0006	0.028431	0.53995	0.162976	0.00041	0.06258	0.177	0.020556
0.409406	2.67E-20	0.119301	0.00987	0.282881	4.84E-10	0.161337	0.00047	0.181147
0.697193	3.21E-69	0.379859	1.77E-17	0.444782	4.55E-24	0.334924	1.05E-13	0.319307
0.550137	2.68E-38	0.229636	5.27E-07	0.216686	2.29E-06	0.277012	1.13E-09	0.208475
0.192676	2.77E-05	0.315933	2.77E-12	0.356926	1.78E-15	0.067003	0.14827	0.07213
0.5095	3.24E-32	0.241268	1.31E-07	0.145385	0.00163	0.323584	7.63E-13	0.216038
0.383612	8.05E-18	0.094005	0.0423	0.161789	0.00045	0.171769	0.00019	0.155835
0.321831	1.03E-12	0.113834	0.01384	0.099031	0.03239	0.197899	1.65E-05	0.17773
0.369121	1.60E-16	0.147885	0.00135	0.341203	3.39E-14	0.088679	0.05549	0.127812
0.414842	7.52E-21	0.054598	0.23896	0.061626	0.1837	0.183939	6.38E-05	0.054276
0.328076	3.51E-13	0.117338	0.01116	0.096618	0.03687	0.242335	1.14E-07	0.451895
0.309361	8.15E-12	0.155212	0.00076	0.317893	2.00E-12	0.120397	0.00921	-0.00657
0.395844	5.72E-19	0.392831	1.11E-18	0.502742	2.79E-31	0.296432	6.31E-11	0.389389
0.584408	4.06E-44	0.426232	4.89E-22	0.334647	1.11E-13	0.365224	3.50E-16	0.681139
0.593073	1.06E-45	0.331965	1.78E-13	0.321441	1.10E-12	0.34634	1.32E-14	0.202034

0.158454	0.00059	-0.08233	0.07549	0.10364	0.02511	-0.06172	0.18305	-0.09775
0.391711	1.42E-18	0.259243	1.31E-08	0.490929	1.07E-29	0.046138	0.31978	0.005543
0.329033	2.97E-13	-0.12891	0.00527	0.132638	0.00409	0.022217	0.63202	0.027553
0.542436	4.41E-37	0.487447	3.05E-29	0.566734	4.95E-41	0.15711	0.00066	0.068936
0.461358	5.42E-26	0.026834	0.56297	0.135391	0.00337	0.260712	1.08E-08	0.181052
0.203833	9.01E-06	-0.12024	0.0093	0.04286	0.35541	-0.01412	0.76092	-0.08036
0.601135	3.23E-47	0.286787	2.72E-10	0.515205	5.07E-33	0.303021	2.25E-11	0.232021
0.081179	0.07969	-0.16677	0.00029	-0.01583	0.7329	-0.17047	0.00021	-0.09159
0.496167	2.16E-30	0.473701	1.70E-27	0.539317	1.35E-36	0.379598	1.87E-17	0.404397
0.654677	1.73E-58	0.35084	5.67E-15	0.478755	3.96E-28	0.315216	3.12E-12	0.280996
0.10283	0.02628	0.000333	0.99428	0.118683	0.01026	-0.01749	0.70612	-0.19628
0.397222	4.22E-19	0.374077	5.86E-17	0.379864	1.77E-17	0.206127	7.09E-06	0.133823
0.540784	7.97E-37	0.275876	1.33E-09	0.233324	3.41E-07	0.285145	3.47E-10	0.38979
0.451568	7.64E-25	0.458826	1.08E-25	0.571366	8.01E-42	0.278127	9.63E-10	0.362157
0.4417	1.01E-23	0.098101	0.03406	0.271263	2.55E-09	0.099737	0.03117	-0.01389
0.586928	1.42E-44	0.377023	3.20E-17	0.471993	2.77E-27	0.311046	6.20E-12	0.167826
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0.768027	4.87E-92	0.4758	9.32E-28	0.621301	3.31E-51	0.408179	3.55E-20	0.316991
0.231409	4.28E-07	0.050413	0.27694	0.077277	0.09532	0.165123	0.00034	0.241813
0.164198	0.00037	-0.15939	0.00055	0.020938	0.65177	-0.03263	0.48179	-0.19453
0.573273	3.76E-42	0.278981	8.52E-10	0.30418	1.87E-11	0.20427	8.61E-06	0.217279
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0.311327	5.92E-12	-0.02628	0.571	0.161349	0.00046	0.169099	0.00024	0.079149
0.371671	9.58E-17	0.10303	0.02598	0.234783	2.87E-07	0.180355	8.88E-05	0.050455
0.204655	8.27E-06	-0.01583	0.73295	0.186394	5.06E-05	0.046011	0.32112	-0.06532
0.238269	1.88E-07	0.170117	0.00022	0.296239	6.50E-11	0.118102	0.01064	0.126419
0.294279	8.78E-11	0.14214	0.00208	0.217096	2.19E-06	0.265715	5.48E-09	0.336199
0.630188	4.65E-53	0.466646	1.25E-26	0.409992	2.33E-20	0.439568	1.74E-23	0.321949
0.164811	0.00035	-0.22029	1.53E-06	0.143599	0.00186	-0.09841	0.0335	-0.23294
0.730847	3.74E-79	0.584868	3.36E-44	0.628921	8.62E-53	0.359764	1.02E-15	0.185972
0.400527	2.02E-19	0.264447	6.51E-09	0.350834	5.68E-15	0.177615	0.00011	0.205383
0.525718	1.52E-34	0.308304	9.67E-12	0.452542	5.89E-25	0.208235	5.69E-06	0.209436
0.474551	1.33E-27	0.533076	1.21E-35	0.600881	3.61E-47	0.342381	2.73E-14	0.296904
0.050684	0.27437	-0.06103	0.18799	0.051374	0.26788	-0.0781	0.09181	-0.19614
0.587825	9.78E-45	0.336836	7.48E-14	0.461595	5.08E-26	0.27283	2.05E-09	0.25791
0.624546	7.09E-52	0.193174	2.63E-05	0.402013	1.44E-19	0.164829	0.00035	-0.02767
0.367235	2.34E-16	0.217019	2.20E-06	0.321955	1.01E-12	0.20769	6.02E-06	0.180247
0.653052	4.12E-58	0.402471	1.30E-19	0.573713	3.15E-42	0.240033	1.52E-07	0.159909
0.373959	6.01E-17	0.259919	1.20E-08	0.313174	4.37E-12	0.177694	0.00011	-0.011
0.14327	0.00191	0.030887	0.50551	0.093629	0.04314	0.059668	0.19805	-0.0509
0.45355	4.50E-25	0.254269	2.52E-08	0.451969	6.86E-25	0.17605	0.00013	0.199553
0.430024	1.93E-22	0.205486	7.59E-06	0.390192	1.97E-18	0.07961	0.0857	-0.01039
0.447446	2.27E-24	-0.00735	0.87421	0.256088	1.99E-08	0.118943	0.01009	-0.01787
0.435171	5.32E-23	0.165857	0.00032	0.406992	4.66E-20	0.238891	1.75E-07	0.269889

0.330469	2.31E-13	0.035537	0.44359	0.17871	0.0001	0.086757	0.06102	-0.08566
0.606972	2.42E-48	0.393165	1.03E-18	0.39976	2.40E-19	0.237221	2.14E-07	0.092066
0.249498	4.66E-08	-0.17546	0.00014	-0.04211	0.36391	-0.00484	0.91692	-0.18516
0.28205	5.46E-10	0.172017	0.00019	0.327381	3.97E-13	0.161688	0.00045	0.137353
0.375867	4.06E-17	0.394545	7.61E-19	0.580336	2.17E-43	0.276368	1.24E-09	0.305984
0.087498	0.05884	0.245014	8.20E-08	0.276299	1.25E-09	0.143977	0.00181	0.194953
0.183827	6.44E-05	0.339875	4.32E-14	0.402528	1.29E-19	0.089826	0.05239	0.038532
0.069001	0.13651	0.14148	0.00218	0.260801	1.06E-08	0.051191	0.26959	0.010893
-0.14474	0.00171	-0.01499	0.74663	0.034127	0.4619	-0.13491	0.00349	-0.28502
0.167386	0.00028	0.246029	7.23E-08	0.260712	1.08E-08	0.068615	0.13873	-0.04305
0.350175	6.43E-15	0.527501	8.27E-35	0.446128	3.20E-24	0.289929	1.70E-10	0.283452
-0.22112	1.40E-06	-0.15787	0.00062	-0.10157	0.02818	-0.07928	0.08701	-0.24441
0.171762	0.00019	0.156446	0.00069	0.175315	0.00014	0.032853	0.47879	-0.02097
-0.18501	5.77E-05	-0.03302	0.47661	-0.04367	0.34636	-0.09424	0.04179	-0.15699
0.125219	0.00674	0.382011	1.13E-17	0.350801	5.71E-15	0.201695	1.12E-05	0.222723
0.138444	0.00272	0.150864	0.00107	0.216097	2.44E-06	0.048323	0.29738	-0.0754
0.186733	4.90E-05	0.248195	5.50E-08	0.287573	2.42E-10	0.124722	0.00696	0.144844
0.120056	0.00941	0.335382	9.70E-14	0.316172	2.66E-12	0.215323	2.65E-06	0.227303
0.013526	0.77064	0.006155	0.89447	0.133384	0.00388	0.002679	0.95396	-0.05996
0.156957	0.00066	0.187704	4.47E-05	0.238036	1.94E-07	0.145776	0.00158	0.0958
0.202476	1.04E-05	0.298151	4.83E-11	0.320851	1.21E-12	0.163561	0.00039	0.168037
0.293308	1.02E-10	0.329333	2.82E-13	0.390079	2.02E-18	0.117147	0.01129	0.163116
0.136171	0.00319	0.126435	0.00622	0.233844	3.21E-07	-0.01905	0.68133	-0.06656
0.053296	0.25037	0.209669	4.88E-06	0.220126	1.56E-06	0.070916	0.12593	0.00667
0.211654	3.95E-06	0.328256	3.41E-13	0.326196	4.87E-13	0.232646	3.70E-07	0.173518
-0.11413	0.01359	0.012075	0.79467	0.056898	0.21972	-0.06718	0.14722	-0.16516
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0.143484	0.00188	0.315795	2.84E-12	0.35077	5.75E-15	0.124418	0.0071	0.062169
0.190882	3.29E-05	0.246018	7.24E-08	0.257695	1.61E-08	0.167307	0.00028	0.114063
0.038397	0.40775	0.174737	0.00015	0.18089	8.46E-05	0.169	0.00024	0.271344
0.059905	0.19627	0.196015	1.99E-05	0.153238	0.00089	0.078152	0.09162	-0.03968
-0.18918	3.88E-05	0.021323	0.6458	-0.0186	0.68845	-0.03228	0.48656	0.04674
0.235639	2.59E-07	0.352754	3.95E-15	0.248266	5.45E-08	0.220611	1.48E-06	0.214907
0.358538	1.30E-15	0.422055	1.35E-21	0.37297	7.35E-17	0.263031	7.89E-09	0.275508
0.160415	0.0005	0.420716	1.86E-21	0.350556	5.98E-15	0.173897	0.00016	0.167548
0.16486	0.00035	0.394594	7.53E-19	0.415429	6.55E-21	0.218649	1.84E-06	0.092739
0.232937	3.57E-07	0.243518	9.89E-08	0.397718	3.78E-19	0.124501	0.00707	0.019977
0.180222	8.99E-05	0.189407	3.80E-05	0.318345	1.85E-12	0.085187	0.06587	0.166526
0.243544	9.85E-08	0.306218	1.35E-11	0.216366	2.37E-06	0.348916	8.14E-15	0.236857
0.116353	0.01186	0.315601	2.93E-12	0.321197	1.15E-12	0.172554	0.00018	0.176138
-0.22198	1.27E-06	-0.07177	0.12142	-0.0497	0.28378	-0.12927	0.00515	-0.1491
0.182108	7.56E-05	0.228086	6.31E-07	0.209889	4.77E-06	0.208075	5.78E-06	0.218743
0.13421	0.00366	-0.00486	0.91666	0.136829	0.00305	0.196008	1.99E-05	-0.01181
0.13564	0.00331	0.362458	6.04E-16	0.224667	9.35E-07	0.201488	1.15E-05	0.28857
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0.28856	2.09E-10	0.137465	0.00291	0.191522	3.10E-05	0.211382	4.07E-06	0.075328
0.021578	0.64185	0.134362	0.00363	0.090415	0.05086	0.123239	0.00767	0.071501
0.145513	0.00162	0.211895	3.85E-06	0.110416	0.01699	0.268584	3.70E-09	0.165181
-0.2135	3.24E-06	0.010158	0.8267	0.029192	0.52916	-0.18506	5.74E-05	-0.22701
0.253801	2.68E-08	0.379907	1.76E-17	0.417584	3.93E-21	0.243371	1.01E-07	0.2163
0.223691	1.04E-06	0.238156	1.91E-07	0.398623	3.09E-19	0.102588	0.02663	0.043583
0.042046	0.36463	0.054519	0.23964	0.077468	0.0945	0.051738	0.2645	0.01563
-0.01166	0.80162	0.07312	0.11456	0.14454	0.00174	0.094125	0.04204	0.045279
0.012284	0.79119	0.110072	0.01733	0.138706	0.00266	0.056147	0.22588	-0.00757
-0.10123	0.02872	0.147836	0.00136	0.107689	0.01993	-0.02608	0.57404	0.113887
-0.21163	3.96E-06	-0.13548	0.00335	-0.17139	0.0002	-0.05838	0.20795	-0.2832
0.084435	0.0683	0.084183	0.06913	0.15033	0.00112	-0.06789	0.14296	-0.04553
0.051208	0.26944	0.265729	5.47E-09	0.31086	6.39E-12	0.089011	0.05458	0.097865
-0.13624	0.00318	0.067343	0.14621	0.118907	0.01012	0.000634	0.9891	0.025106
0.15907	0.00056	0.389576	2.25E-18	0.355004	2.57E-15	0.22988	5.12E-07	0.323946
0.200611	1.25E-05	0.164597	0.00035	0.300214	3.50E-11	-0.03612	0.43618	-0.17934
0.115818	0.01226	0.23005	5.02E-07	0.226203	7.84E-07	0.131241	0.0045	0.074321
0.023423	0.61364	0.170978	0.00021	0.106328	0.02156	0.105953	0.02202	0.092689
-0.14134	0.0022	-0.02464	0.59535	0.028198	0.54329	-0.04254	0.35904	0.008985
-0.05107	0.27069	0.06933	0.13465	0.132945	0.004	-0.02498	0.59027	0.009113
0.265604	5.56E-09	0.264277	6.66E-09	0.336104	8.52E-14	0.209621	4.91E-06	0.178071
-0.02727	0.55659	0.126625	0.00614	0.114505	0.01329	-0.04093	0.37754	-0.18107
0.127862	0.00566	0.05446	0.24015	0.07558	0.10284	0.13837	0.00273	0.075026
0.172963	0.00017	0.369964	1.35E-16	0.432244	1.11E-22	0.182885	7.03E-05	0.148837
0.056301	0.2246	0.21537	2.64E-06	0.270395	2.87E-09	0.104929	0.02335	-0.01256
-0.12146	0.0086	-0.08805	0.05725	-0.09875	0.03289	-0.17917	9.89E-05	-0.2607
0.237048	2.18E-07	0.201469	1.15E-05	0.288284	2.17E-10	0.250706	3.99E-08	0.213444
0.170824	0.00021	0.297997	4.95E-11	0.319668	1.48E-12	0.198949	1.48E-05	0.177979
0.146249	0.00153	0.375978	3.97E-17	0.427768	3.36E-22	0.167844	0.00027	0.114538
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0.260037	1.18E-08	0.45439	3.59E-25	0.368129	1.96E-16	0.269003	3.49E-09	0.330825
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-0.28888	1.99E-10	-0.24167	1.24E-07	-0.18848	4.15E-05	-0.16327	0.0004	-0.12755
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-0.09252	0.04568	-0.25024	4.24E-08	-0.03517	0.44827	-0.25876	1.40E-08	-0.17087
-0.05513	0.23438	-0.02312	0.61818	-0.00806	0.86215	0.003013	0.94822	0.072524
-0.07867	0.08948	-0.07791	0.09264	-0.05437	0.24092	-0.04898	0.29083	-0.01894
-0.17342	0.00017	-0.1103	0.01711	-0.24087	1.37E-07	-0.05826	0.20883	0.019303
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0.09732	0.03551	-0.00827	0.85847	0.137563	0.00289	-0.10941	0.01803	-0.02089
0.043131	0.35237	-0.00773	0.8677	0.103194	0.02575	0.009786	0.83295	0.167654
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-0.05354	0.24818	-0.01378	0.76654	-0.02583	0.57769	-0.03211	0.48875	0.013431
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-0.04461	0.33608	-0.23206	3.96E-07	-0.10142	0.02842	-0.10189	0.02769	-0.10068
-0.2681	3.95E-09	-0.29723	5.57E-11	-0.25782	1.58E-08	-0.2557	2.09E-08	-0.27173
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-0.47693	6.73E-28	-0.4239	8.64E-22	-0.47814	4.73E-28	-0.21653	2.33E-06	-0.15582
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0.040766	0.37942	-0.0776	0.09393	-0.03163	0.49538	-0.08003	0.08406	-0.00916
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0.048767	0.29296	-0.06094	0.18862	-0.0817	0.07777	0.011898	0.79761	-0.06922
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0.052588	0.25673	0.024442	0.59829	0.03407	0.46265	-0.01622	0.72666	0.126077
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0.0348	0.4531	0.096021	0.03805	0.088637	0.05561	-0.02137	0.64504	0.179893
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0.011516	0.80397	-0.148	0.00134	-0.00302	0.94808	-0.07297	0.11532	-0.07783
0.023131	0.61807	-0.0174	0.70758	0.031149	0.5019	-0.06428	0.1655	-0.10944
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-0.11935	0.00984	-0.13856	0.00269	-0.1531	0.0009	-0.04386	0.34431	0.027874
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0.03194	0.49111	0.025585	0.58129	0.076134	0.10033	0.001631	0.97196	0.071679
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0.015071	0.74531	-0.15829	0.0006	-0.01379	0.76623	-0.17129	0.0002	-0.04432
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0.059892	0.19637	-0.03107	0.50298	0.154963	0.00078	0.003201	0.945	0.039908
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0.040883	0.37805	0.041442	0.37157	0.082243	0.07581	0.101853	0.02774	-0.12157
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0.054104	0.24324	-0.10224	0.02716	-0.05366	0.24715	0.084381	0.06848	0.041004
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0.017949	0.69885	-0.04363	0.34687	-0.07914	0.08759	0.014	0.76284	0.255953
0.091243	0.04877	0.07033	0.1291	0.103357	0.02551	-0.10005	0.03063	0.043819
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-0.04649	0.31613	-0.01178	0.79964	0.010054	0.82845	-0.05901	0.20306	0.063248
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-0.07187	0.12092	-0.09054	0.05054	-0.05134	0.26824	-0.08608	0.06307	0.069614
-0.02675	0.5642	-0.01836	0.69233	-0.01933	0.67687	-0.03226	0.48677	0.195224
-0.19785	1.66E-05	-0.20827	5.66E-06	-0.22492	9.08E-07	-0.14851	0.00129	0.033712
-0.07082	0.12644	-0.10133	0.02857	-0.11056	0.01685	-0.05321	0.25111	0.109323
-0.29112	1.42E-10	-0.42594	5.26E-22	-0.29242	1.17E-10	-0.21539	2.64E-06	-0.15175
0.012506	0.78751	-0.05806	0.21045	-0.04066	0.38068	0.051778	0.26413	0.035482
-0.09349	0.04345	-0.02963	0.52302	-0.00267	0.95414	-0.06512	0.16001	-0.04551
-0.13972	0.00248	-0.23433	3.03E-07	-0.19926	1.44E-05	-0.15368	0.00086	-0.14432
-0.36366	4.77E-16	-0.37328	6.90E-17	-0.36816	1.95E-16	-0.28524	3.42E-10	-0.25847
-0.20771	6.01E-06	-0.0288	0.53468	0.009963	0.82998	-0.06566	0.15657	0.07106
-0.18834	4.21E-05	-0.09138	0.04842	-0.13492	0.00349	-0.10735	0.02032	0.129306
-0.12681	0.00607	-0.185	5.77E-05	-0.16178	0.00045	-0.08951	0.05323	-0.06319
-0.33169	1.87E-13	-0.35457	2.79E-15	-0.29395	9.23E-11	-0.29018	1.64E-10	-0.1471
-0.20267	1.02E-05	-0.33657	7.83E-14	-0.17775	0.00011	-0.35793	1.46E-15	-0.22759
-0.13405	0.00371	-0.17249	0.00018	-0.06681	0.14946	-0.24429	8.98E-08	-0.30357
-0.07725	0.09542	-0.12198	0.00832	-0.06194	0.18146	-0.12812	0.00556	0.025899
-0.07125	0.12416	-0.13487	0.0035	-0.06779	0.14357	-0.21883	1.80E-06	-0.08948
-0.07203	0.12007	-0.11365	0.014	0.117929	0.01076	-0.14917	0.00122	-0.07475
-0.16038	0.0005	-0.07219	0.11926	0.032217	0.48734	-0.13834	0.00274	0.023173
-0.06093	0.1887	-0.17895	0.0001	-0.0369	0.42623	-0.1094	0.01803	-0.0353
-0.20579	7.35E-06	-0.13915	0.00258	-0.01842	0.69142	-0.2964	6.34E-11	-0.28109
-0.10837	0.01915	-0.08446	0.0682	-0.06199	0.18112	-0.10828	0.01925	-0.0942
0.019424	0.67545	-0.04974	0.28346	0.03009	0.51656	0.016305	0.72526	-0.00608
-0.13894	0.00262	-0.24375	9.61E-08	-0.07656	0.09845	-0.22019	1.55E-06	-0.19111
-0.14149	0.00218	-0.11446	0.01333	-0.0335	0.47013	-0.10117	0.02881	-0.03823
-0.22304	1.12E-06	-0.20365	9.18E-06	-0.11584	0.01224	-0.14059	0.00233	-0.03876
-0.18183	7.76E-05	-0.13796	0.00281	-0.11718	0.01127	-0.0781	0.09182	0.009945

-0.25735	1.68E-08	-0.23628	2.40E-07	-0.19132	3.16E-05	-0.23526	2.71E-07	-0.21328
-0.04683	0.31258	-0.00188	0.9676	0.124004	0.0073	-0.02595	0.57592	0.027293
-0.08363	0.07098	-0.09641	0.03728	0.034352	0.45894	-0.05067	0.27452	-0.01954
-0.11388	0.0138	-0.16464	0.00035	-0.08707	0.0601	-0.10514	0.02307	-0.15797
-0.1079	0.01968	-0.16727	0.00028	-0.11957	0.0097	-0.04731	0.30768	-0.10478
0.030549	0.51018	-0.0516	0.26575	-0.00196	0.96634	-0.01047	0.82148	-0.03143
-0.12659	0.00616	-0.12552	0.00661	-0.01675	0.71804	-0.10961	0.01781	-0.06147
-0.09313	0.04427	-0.14128	0.00221	-0.05729	0.21655	-0.07356	0.11241	-0.09201
-0.19108	3.23E-05	-0.11464	0.01317	-0.07922	0.08727	-0.09454	0.04114	-0.06009
-0.00702	0.87966	-0.15038	0.00112	-0.07356	0.11238	-0.07678	0.09747	-0.02839
-0.17971	9.42E-05	-0.30666	1.26E-11	-0.29606	6.68E-11	-0.23451	2.96E-07	-0.31671
-0.0605	0.19182	-0.15073	0.00109	0.019217	0.67872	-0.18399	6.35E-05	-0.12608
-0.15543	0.00075	-0.20382	9.02E-06	-0.06884	0.13744	-0.15226	0.00096	-0.12101
-0.2509	3.90E-08	-0.19415	2.39E-05	-0.20829	5.65E-06	-0.11773	0.01089	-0.04009
-0.4127	1.24E-20	-0.32895	3.02E-13	-0.34617	1.36E-14	-0.21535	2.65E-06	-0.15825
-0.38173	1.20E-17	-0.40832	3.43E-20	-0.37318	7.04E-17	-0.37414	5.79E-17	-0.28101
-0.19432	2.35E-05	-0.08325	0.07229	-0.18525	5.64E-05	-0.06869	0.13831	0.012433
-0.02672	0.56461	-0.17754	0.00011	-0.10478	0.02355	-0.07772	0.09341	-0.16209
-0.1151	0.01282	-0.20015	1.31E-05	0.001203	0.97932	-0.13036	0.00478	-0.09908
-0.13693	0.00303	-0.03453	0.45658	0.011763	0.79986	-0.04148	0.37107	0.10122
-0.17415	0.00016	-0.16169	0.00045	-0.04335	0.3499	-0.10556	0.02252	-0.08702
-0.07294	0.11547	-0.29148	1.34E-10	-0.16651	0.0003	-0.13821	0.00276	-0.11529
-0.2431	1.04E-07	-0.21439	2.94E-06	-0.11521	0.01273	-0.15276	0.00093	-0.05134
-0.04245	0.36006	-0.13488	0.0035	-0.11951	0.00974	0.02203	0.63489	-0.15296
-0.12025	0.00929	-0.2607	1.08E-08	-0.15264	0.00094	-0.16545	0.00033	-0.13129
-0.33834	5.70E-14	-0.32117	1.15E-12	-0.26681	4.72E-09	-0.20317	9.65E-06	-0.1235
-0.09301	0.04455	-0.23993	1.54E-07	-0.0938	0.04275	-0.23065	4.67E-07	-0.14586
-0.09529	0.03954	-0.1838	6.46E-05	-0.09732	0.03551	-0.05479	0.23731	0.003479
-0.27312	1.96E-09	-0.45093	9.06E-25	-0.37345	6.66E-17	-0.33779	6.29E-14	-0.29351
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-0.17925	9.83E-05	-0.24068	1.40E-07	-0.20152	1.14E-05	-0.14764	0.00138	-0.13077
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-0.14941	0.0012	-0.27778	1.01E-09	-0.04133	0.37288	-0.2999	3.68E-11	-0.2676
-0.15274	0.00093	-0.2126	3.57E-06	-0.23061	4.70E-07	-0.04313	0.35238	0.075957
-0.22011	1.56E-06	-0.12887	0.00529	-0.03125	0.5005	-0.18131	8.14E-05	-0.10083
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-0.16446	0.00036	-0.17252	0.00018	-0.14665	0.00148	-0.13432	0.00364	-0.1273
-0.12955	0.00505	-0.08438	0.06849	-0.0514	0.26765	-0.17568	0.00014	0.000391
-0.14857	0.00128	-0.09307	0.04441	-0.00893	0.84737	-0.17669	0.00012	-0.0742
-0.28961	1.78E-10	-0.22341	1.08E-06	-0.34379	2.11E-14	-0.05501	0.23544	-0.3037
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-0.28557	3.26E-10	-0.4148	7.60E-21	-0.34485	1.74E-14	-0.21269	3.53E-06	-0.03528
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-0.36069	8.54E-16	-0.48301	1.14E-28	-0.61237	2.10E-49	-0.21102	4.23E-06	-0.18626
0.004088	0.9298	-0.12105	0.00883	0.036334	0.43343	-0.12343	0.00758	-0.00839
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0.020459	0.65923	-0.03602	0.43738	0.002849	0.95104	-0.11951	0.00974	-0.10765
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-0.07855	0.08995	-0.03007	0.5168	0.065014	0.16071	-0.03176	0.49352	0.064636
-0.09026	0.05126	-0.06118	0.18687	-0.11683	0.01152	0.043053	0.35324	0.153376
-0.18812	4.30E-05	-0.30729	1.14E-11	-0.27563	1.38E-09	-0.11735	0.01115	-0.28523
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0.00633	0.89149	-0.0136	0.76938	-0.00234	0.95976	0.112527	0.01498	0.15829
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0.034031	0.46316	-0.07167	0.12195	0.041881	0.36652	-0.10293	0.02613	-0.02673
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0.09012	0.05162	-0.09314	0.04425	0.016326	0.72492	-0.0441	0.34167	-0.0575
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-0.04548	0.32677	0.039442	0.39511	0.064732	0.16254	0.004019	0.93097	-0.03973
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-0.12414	0.00723	-0.34415	1.97E-14	-0.24508	8.14E-08	-0.09036	0.05101	-0.20125
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-0.06879	0.13771	-0.20556	7.52E-06	-0.04002	0.38815	-0.11574	0.01232	-0.33933
-0.22611	7.92E-07	-0.3082	9.84E-12	-0.19609	1.98E-05	-0.17935	9.74E-05	-0.1185
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-0.34578	1.46E-14	-0.34755	1.05E-14	-0.45206	6.70E-25	-0.16911	0.00024	-0.12026
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-0.30318	2.20E-11	-0.28571	3.19E-10	-0.20609	7.12E-06	-0.2339	3.18E-07	-0.24215
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-0.41485	7.50E-21	-0.27232	2.20E-09	-0.31059	6.68E-12	-0.23374	3.25E-07	0.016892
-0.18551	5.50E-05	-0.10077	0.02945	-0.08083	0.081	-0.06566	0.15656	-0.06465
-0.37424	5.67E-17	-0.42928	2.31E-22	-0.38547	5.43E-18	-0.32983	2.59E-13	-0.31851
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-0.22312	1.11E-06	-0.27495	1.52E-09	-0.26283	8.11E-09	-0.10048	0.02992	-0.07617
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-0.22435	9.69E-07	-0.24973	4.52E-08	-0.13527	0.0034	-0.14981	0.00117	-0.22471
-0.246	7.25E-08	-0.38068	1.49E-17	-0.26475	6.25E-09	-0.22567	8.33E-07	-0.11097
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-0.16241	0.00043	-0.19662	1.87E-05	-0.11115	0.01626	-0.35937	1.11E-15	-0.2858
-0.44193	9.52E-24	-0.36875	1.73E-16	-0.37601	3.94E-17	-0.27644	1.23E-09	-0.30704
-0.15576	0.00073	-0.21055	4.44E-06	-0.13693	0.00302	-0.21848	1.87E-06	-0.13964
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-0.32603	5.01E-13	-0.39461	7.51E-19	-0.34314	2.38E-14	-0.22839	6.09E-07	-0.30315
-0.15625	0.0007	-0.04747	0.30597	-0.07018	0.1299	-0.09896	0.03252	-0.10414
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0.548082	5.69E-38	0.582023	1.09E-43	0.209785	4.82E-06	0.458909	1.06E-25	0.491085
0.231737	4.12E-07	0.33942	4.69E-14	-0.08998	0.05198	0.320035	1.39E-12	0.426114
0.499233	8.35E-31	0.674867	2.33E-63	0.340952	3.55E-14	0.437239	3.16E-23	0.577477
0.189942	3.61E-05	0.168131	0.00026	-0.15833	0.00059	0.266449	4.96E-09	0.442422
0.550782	2.11E-38	0.668112	1.10E-61	0.347912	9.83E-15	0.498377	1.09E-30	0.588621
0.339877	4.32E-14	0.379245	2.02E-17	0.001451	0.97506	0.322648	8.95E-13	0.459357
0.068269	0.14073	0.289225	1.89E-10	-0.09318	0.04416	0.249189	4.85E-08	0.450464
0.488609	2.15E-29	0.563658	1.63E-40	0.139441	0.00253	0.506891	7.48E-32	0.638229
0.442818	7.57E-24	0.600425	4.41E-47	0.265546	5.61E-09	0.419056	2.77E-21	0.493336
0.378525	2.34E-17	0.563364	1.83E-40	0.201513	1.14E-05	0.442626	7.95E-24	0.490964
0.388607	2.77E-18	0.636454	2.12E-54	0.239565	1.61E-07	0.488941	1.95E-29	0.663261
0.55089	2.03E-38	0.666852	2.22E-61	0.293384	1.01E-10	0.398275	3.34E-19	0.554832
0.281366	6.03E-10	0.351268	5.23E-15	-0.07785	0.09287	0.356886	1.79E-15	0.555262
0.2062	7.04E-06	0.230889	4.55E-07	-0.12586	0.00646	0.239723	1.58E-07	0.327099
0.105137	0.02307	0.287155	2.57E-10	-0.02652	0.56762	0.251002	3.84E-08	0.339464
0.251042	3.82E-08	0.47197	2.79E-27	0.044939	0.33254	0.363673	4.76E-16	0.647431
0.275299	1.44E-09	0.138241	0.00276	-0.24202	1.19E-07	0.260445	1.12E-08	0.276487
0.212904	3.45E-06	0.35021	6.39E-15	-0.05103	0.27114	0.310163	7.16E-12	0.399484
0.548731	4.49E-38	0.61221	2.26E-49	0.250881	3.90E-08	0.450427	1.03E-24	0.649357
0.387837	3.27E-18	0.444507	4.89E-24	0.10881	0.01867	0.295767	6.99E-11	0.380633
0.168429	0.00026	0.335468	9.55E-14	-0.07883	0.08881	0.188417	4.18E-05	0.273288

0.418792	2.95E-21	0.54416	2.37E-37	0.276177	1.27E-09	0.383965	7.47E-18	0.637833
0.538251	1.96E-36	0.557479	1.73E-39	0.19424	2.37E-05	0.392546	1.18E-18	0.516797
0.480838	2.16E-28	0.575213	1.73E-42	0.215039	2.74E-06	0.402512	1.29E-19	0.52761
0.411932	1.49E-20	0.498718	9.80E-31	0.18792	4.38E-05	0.471227	3.45E-27	0.647832
0.433116	8.92E-23	0.590571	3.07E-45	0.237308	2.12E-07	0.419882	2.27E-21	0.597764
0.444718	4.63E-24	0.526765	1.06E-34	0.167962	0.00027	0.430876	1.56E-22	0.584801
0.411616	1.60E-20	0.415975	5.76E-21	-0.06457	0.16361	0.417654	3.87E-21	0.52656
0.373913	6.06E-17	0.521202	6.96E-34	0.186339	5.09E-05	0.36144	7.38E-16	0.350595
0.100728	0.02952	0.332649	1.58E-13	-0.09721	0.03573	0.126865	0.00605	0.280381
0.493078	5.56E-30	0.60527	5.18E-48	0.229102	5.60E-07	0.447838	2.05E-24	0.723972
0.486409	4.16E-29	0.691718	9.86E-68	0.296413	6.33E-11	0.529593	4.03E-35	0.679906
0.237009	2.19E-07	0.304821	1.69E-11	0.044876	0.33321	0.178933	0.0001	0.295127
0.293582	9.77E-11	0.500463	5.69E-31	0.143632	0.00186	0.354867	2.64E-15	0.400547
0.472924	2.13E-27	0.551496	1.62E-38	0.205005	7.98E-06	0.384136	7.20E-18	0.515106
0.08672	0.06113	0.22823	6.20E-07	-0.13538	0.00337	0.251178	3.76E-08	0.408406
0.288227	2.19E-10	0.400629	1.97E-19	0.050744	0.2738	0.34295	2.46E-14	0.535997
0.30817	9.89E-12	0.244798	8.43E-08	-0.06964	0.13293	0.254401	2.48E-08	0.274611
0.502483	3.02E-31	0.60684	2.57E-48	0.26277	8.17E-09	0.363301	5.12E-16	0.510189
0.256028	2.00E-08	0.170842	0.00021	-0.20426	8.62E-06	0.248536	5.26E-08	0.239164
0.390605	1.80E-18	0.286711	2.75E-10	-0.03802	0.41243	0.231038	4.47E-07	0.291508
0.51071	2.19E-32	0.546264	1.11E-37	0.200738	1.24E-05	0.488142	2.48E-29	0.510405
0.472661	2.29E-27	0.471981	2.78E-27	0.178212	0.00011	0.286402	2.88E-10	0.213028
0.455498	2.67E-25	0.61472	7.14E-50	0.24937	4.73E-08	0.370098	1.32E-16	0.544555
0.315061	3.20E-12	0.472155	2.65E-27	0.096345	0.03741	0.37254	8.03E-17	0.396392
0.4192	2.68E-21	0.578438	4.70E-43	0.242145	1.17E-07	0.458301	1.25E-25	0.618588
0.457523	1.54E-25	0.439347	1.85E-23	0.142557	0.00201	0.456749	1.90E-25	0.517639
0.26657	4.87E-09	0.251069	3.81E-08	-0.08538	0.06525	0.299523	3.90E-11	0.542608
0.297054	5.73E-11	0.420351	2.03E-21	0.041659	0.36906	0.298645	4.48E-11	0.385112
0.567843	3.21E-41	0.531413	2.15E-35	0.190269	3.49E-05	0.432594	1.02E-22	0.500243
0.124513	0.00706	0.35393	3.15E-15	-0.02946	0.5254	0.310866	6.38E-12	0.311102
0.339954	4.26E-14	0.149723	0.00117	-0.12631	0.00627	0.364808	3.80E-16	0.34556
0.148518	0.00129	0.356598	1.89E-15	-0.03623	0.43481	0.300732	3.23E-11	0.254959
0.529014	4.92E-35	0.668464	8.99E-62	0.319876	1.43E-12	0.417125	4.39E-21	0.558085
0.48996	1.43E-29	0.43787	2.69E-23	0.061976	0.18122	0.450006	1.16E-24	0.547713
0.245614	7.61E-08	0.324468	6.56E-13	-0.09987	0.03095	0.277986	9.83E-10	0.48854
0.542062	5.05E-37	0.605185	5.38E-48	0.277308	1.08E-09	0.490063	1.39E-29	0.575657
0.4646	2.21E-26	0.542124	4.94E-37	0.101448	0.02837	0.458666	1.13E-25	0.585422
0.178702	0.0001	0.218909	1.79E-06	-0.05144	0.26727	0.216269	2.39E-06	0.199107
0.36807	1.98E-16	0.499661	7.31E-31	0.121285	0.0087	0.380349	1.60E-17	0.577507
0.391737	1.41E-18	0.416216	5.44E-21	0.137728	0.00286	0.366291	2.83E-16	0.549756
0.452774	5.54E-25	0.511772	1.55E-32	0.127957	0.00562	0.393414	9.76E-19	0.527576
0.312053	5.26E-12	0.248226	5.48E-08	-0.09113	0.04904	0.383284	8.63E-18	0.446351
0.133074	0.00397	0.344498	1.85E-14	-0.06693	0.14868	0.213056	3.40E-06	0.387068
0.289958	1.69E-10	0.435506	4.89E-23	0.133208	0.00393	0.185462	5.53E-05	0.273782
0.582263	9.84E-44	0.638232	8.69E-55	0.272462	2.15E-09	0.468573	7.29E-27	0.685075

0.544375	2.19E-37	0.68575	3.77E-66	0.335641	9.26E-14	0.509759	2.98E-32	0.596377
0.601562	2.68E-47	0.626121	3.33E-52	0.301358	2.93E-11	0.504025	1.86E-31	0.561519
0.52537	1.71E-34	0.652848	4.59E-58	0.276802	1.16E-09	0.449719	1.25E-24	0.604334
0.47382	1.65E-27	0.49037	1.27E-29	0.067851	0.14319	0.488298	2.36E-29	0.645727
0.082106	0.0763	0.081965	0.07681	-0.33377	1.29E-13	0.26424	6.70E-09	0.421512
0.438171	2.49E-23	0.360273	9.27E-16	0.057966	0.21118	0.472763	2.23E-27	0.482539
0.314103	3.75E-12	0.423711	9.04E-22	0.056785	0.22063	0.309944	7.42E-12	0.272187
0.419437	2.53E-21	0.558358	1.24E-39	0.153961	0.00084	0.46569	1.63E-26	0.703344
0.224414	9.62E-07	0.302638	2.39E-11	-0.01399	0.76299	0.23083	4.58E-07	0.323938
0.208866	5.32E-06	0.449472	1.33E-24	-0.03957	0.39361	0.327204	4.09E-13	0.521377
0.184264	6.18E-05	0.076637	0.0981	-0.25588	2.04E-08	0.310254	7.05E-12	0.480763
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0.546586	9.83E-38	0.581797	1.19E-43	0.211606	3.97E-06	0.40309	1.13E-19	0.402899
0.345437	1.56E-14	0.330105	2.47E-13	-0.02166	0.64055	0.278067	9.72E-10	0.210281
0.602239	1.99E-47	0.666788	2.30E-61	0.329438	2.77E-13	0.453871	4.13E-25	0.578109
0.418607	3.08E-21	0.314512	3.51E-12	-0.0807	0.08149	0.346185	1.36E-14	0.325518
0.281567	5.86E-10	0.274845	1.54E-09	-0.10649	0.02135	0.366016	2.99E-16	0.426839
0.341789	3.05E-14	0.438389	2.36E-23	0.09307	0.04441	0.34461	1.82E-14	0.510767
0.546043	1.20E-37	0.406571	5.13E-20	0.029718	0.52176	0.370375	1.25E-16	0.449509
0.457839	1.42E-25	0.529634	3.98E-35	0.083849	0.07024	0.407558	4.09E-20	0.651075
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0.557602	1.65E-39	0.743409	2.95E-83	0.352726	3.97E-15	0.423094	1.05E-21	0.549728
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0.262618	8.34E-09	0.317636	2.09E-12	-0.02307	0.61901	0.251913	3.42E-08	0.407957
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0.537956	2.18E-36	0.630838	3.39E-53	0.309298	8.24E-12	0.40331	1.08E-19	0.533667
0.588906	6.21E-45	0.565144	9.18E-41	0.248412	5.35E-08	0.440632	1.33E-23	0.439629
0.503616	2.11E-31	0.477486	5.73E-28	0.156079	0.00071	0.406694	4.99E-20	0.562741
0.383282	8.63E-18	0.47228	2.55E-27	0.164424	0.00036	0.406354	5.39E-20	0.414938
0.525049	1.90E-34	0.716131	1.24E-74	0.366565	2.68E-16	0.514227	6.99E-33	0.669979
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0.546961	8.58E-38	0.56751	3.66E-41	0.233805	3.22E-07	0.408388	3.38E-20	0.298807
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0.440653	1.32E-23	0.665567	4.56E-61	0.342878	2.50E-14	0.428205	3.02E-22	0.686421
0.651851	7.78E-58	0.672166	1.10E-62	0.326143	4.91E-13	0.539253	1.38E-36	0.634481
0.146309	0.00152	0.334782	1.08E-13	0.049722	0.28359	0.16791	0.00027	0.27792
0.505513	1.16E-31	0.536944	3.12E-36	0.134435	0.00361	0.436777	3.55E-23	0.537736
0.504866	1.42E-31	0.585431	2.66E-44	0.264222	6.71E-09	0.479774	2.94E-28	0.729305
-0.02526	0.58606	0.108623	0.01887	-0.21564	2.56E-06	0.331452	1.95E-13	0.477285
0.309409	8.09E-12	0.243867	9.47E-08	-0.11063	0.01677	0.238881	1.75E-07	0.276112
0.242799	1.08E-07	0.419693	2.38E-21	-0.05275	0.25525	0.345494	1.54E-14	0.419989
0.493716	4.58E-30	0.565597	7.70E-41	0.199532	1.40E-05	0.494988	3.10E-30	0.577097
0.467783	9.10E-27	0.633588	8.78E-54	0.287741	2.36E-10	0.448656	1.65E-24	0.724636
0.499205	8.42E-31	0.560917	4.68E-40	0.188686	4.07E-05	0.372983	7.33E-17	0.504101
0.23772	2.01E-07	0.137824	0.00284	-0.17967	9.46E-05	0.32846	3.29E-13	0.440606



0.567647	3.46E-41	0.560935	4.64E-40	0.196177	1.96E-05	0.438632	2.22E-23	0.662273
0.262315	8.69E-09	0.392106	1.30E-18	0.013955	0.76359	0.320899	1.20E-12	0.376921
0.314148	3.72E-12	0.60543	4.82E-48	0.238184	1.90E-07	0.296817	5.94E-11	0.446992
0.448237	1.84E-24	0.394494	7.70E-19	0.079287	0.08699	0.392366	1.23E-18	0.389701
0.506572	8.28E-32	0.559784	7.21E-40	0.20923	5.12E-06	0.390381	1.89E-18	0.476085
0.243733	9.63E-08	0.164846	0.00035	-0.16052	0.0005	0.286571	2.81E-10	0.407283
0.270672	2.77E-09	0.374147	5.78E-17	0.034208	0.46083	0.264848	6.17E-09	0.410689
0.646965	1.01E-56	0.482608	1.28E-28	0.124892	0.00689	0.449965	1.17E-24	0.462551
0.214793	2.81E-06	0.301097	3.05E-11	-0.09968	0.03127	0.305575	1.50E-11	0.517766
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0.488518	2.21E-29	0.550517	2.33E-38	0.203152	9.66E-06	0.46893	6.59E-27	0.510663
0.162087	0.00044	0.286502	2.84E-10	-0.20777	5.97E-06	0.223641	1.05E-06	0.35379
0.221966	1.27E-06	0.225078	8.92E-07	-0.11807	0.01066	0.255372	2.18E-08	0.368259
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0.341118	3.44E-14	0.532734	1.36E-35	0.260944	1.04E-08	0.452349	6.20E-25	0.628285
0.438221	2.46E-23	0.486948	3.54E-29	0.116961	0.01142	0.395349	6.38E-19	0.448272
0.055457	0.23164	0.370563	1.20E-16	-0.12368	0.00745	0.284903	3.59E-10	0.536235
0.327001	4.24E-13	0.49229	7.07E-30	0.130302	0.0048	0.275387	1.42E-09	0.463597
0.510067	2.70E-32	0.51592	4.01E-33	0.198772	1.51E-05	0.360995	8.05E-16	0.319294
0.55722	1.91E-39	0.631784	2.13E-53	0.366592	2.66E-16	0.332197	1.71E-13	0.496237
0.267232	4.45E-09	0.293317	1.02E-10	-0.0641	0.1667	0.358081	1.42E-15	0.472759
0.561756	3.39E-40	0.642206	1.16E-55	0.322366	9.39E-13	0.556516	2.48E-39	0.688084
0.38065	1.50E-17	0.561978	3.12E-40	0.134371	0.00362	0.345165	1.64E-14	0.48519
0.650239	1.82E-57	0.711629	2.64E-73	0.344448	1.87E-14	0.532574	1.44E-35	0.667648
0.433771	7.57E-23	0.65865	2.04E-59	0.283477	4.43E-10	0.508624	4.29E-32	0.763632
0.417789	3.75E-21	0.573222	3.83E-42	0.258633	1.42E-08	0.413138	1.12E-20	0.56085
0.521931	5.45E-34	0.546845	8.95E-38	0.264639	6.34E-09	0.424109	8.21E-22	0.424861
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0.347562	1.05E-14	0.482294	1.41E-28	0.085029	0.06637	0.352289	4.31E-15	0.452968
0.221886	1.28E-06	0.306184	1.36E-11	-0.02682	0.56314	0.31343	4.19E-12	0.281868
0.341228	3.38E-14	0.501315	4.36E-31	0.044434	0.338	0.397603	3.87E-19	0.637218
0.44656	2.86E-24	0.601087	3.30E-47	0.253459	2.80E-08	0.382471	1.02E-17	0.444672
0.436389	3.91E-23	0.537398	2.65E-36	0.120252	0.00929	0.364995	3.66E-16	0.491275
0.321841	1.03E-12	0.29642	6.32E-11	-0.12196	0.00833	0.338375	5.67E-14	0.425671
0.555163	4.13E-39	0.627714	1.55E-52	0.338144	5.91E-14	0.438956	2.04E-23	0.640058
0.299174	4.12E-11	0.413456	1.04E-20	0.022609	0.62602	0.193308	2.60E-05	0.264128
0.028228	0.54286	0.064923	0.1613	0.095782	0.03854	0.032113	0.48876	0.032708
0.038631	0.4049	0.025091	0.58861	0.060953	0.18854	0.102664	0.02652	0.075653
0.056631	0.2219	0.062403	0.17822	0.072159	0.11942	0.022432	0.62873	0.024809
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0.068108	0.14167	0.022902	0.62156	0.068776	0.1378	0.006012	0.8969	0.02818
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0.021622	0.64117	0.023152	0.61774	0.028162	0.5438	0.040645	0.38084	0.062135

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0.001168	0.97992	-0.00761	0.86977	0.014701	0.75134	0.023046	0.61936	0.036454
0.045636	0.32508	0.08228	0.07568	0.045035	0.3315	0.05335	0.24988	0.028033
0.059498	0.19933	0.019664	0.67168	0.035547	0.44346	0.051689	0.26495	0.067196
0.058957	0.20346	0.065402	0.15822	0.089426	0.05346	0.050036	0.28056	0.052637
0.043006	0.35376	0.038715	0.40388	0.05371	0.24669	0.040507	0.38245	0.052742
0.002826	0.95144	-0.05389	0.24509	-0.05037	0.27735	0.02466	0.59503	-0.0098
0.046087	0.32032	0.032996	0.47688	0.053595	0.24771	0.018128	0.69599	0.031808
0.011209	0.8091	0.009074	0.84495	0.014215	0.75932	0.039644	0.39269	0.040343
-0.06493	0.16124	-0.05853	0.20676	0.0299	0.51921	-0.06072	0.19023	-0.07706
-0.01841	0.69153	-0.04898	0.29089	0.001605	0.9724	0.013836	0.76555	0.010832
-0.06382	0.16852	-0.00449	0.92293	0.070278	0.12939	-0.02132	0.64583	-0.00879
-0.04284	0.35562	-0.01671	0.71876	0.05669	0.22141	-0.07512	0.10496	-0.09204
0.058068	0.21037	0.048164	0.29897	0.064034	0.16713	0.001384	0.97621	-0.04951
-0.01461	0.75282	0.024325	0.60005	0.048048	0.30013	0.024498	0.59745	-0.0351
-0.03714	0.42333	0.051766	0.26424	0.099424	0.0317	-0.02428	0.60071	-0.00225
-0.02209	0.63397	0.036687	0.42897	0.129809	0.00496	-0.02999	0.51795	-0.02432
-0.01823	0.69442	-0.00599	0.89736	0.001723	0.97037	0.040329	0.38456	0.048122
-0.0163	0.72528	-0.00018	0.99693	0.024382	0.59919	-0.02748	0.55358	0.021328
0.025817	0.57786	0.047739	0.30326	0.046585	0.31511	0.028185	0.54348	0.081416
-0.01721	0.71072	-0.02532	0.5852	0.035686	0.44169	-0.04099	0.37685	-0.02103
0.044924	0.33269	0.12607	0.00637	0.061853	0.18209	0.07078	0.12666	0.071827
0.065502	0.15759	0.060294	0.19338	0.056036	0.2268	0.07969	0.08539	0.070694
0.020852	0.6531	0.054071	0.24353	0.066411	0.15189	0.02531	0.58536	0.062883
0.04216	0.36332	-0.01034	0.82368	0.031563	0.49623	0.028232	0.5428	-0.00954
0.023832	0.60745	0.042762	0.35651	0.052306	0.25928	0.019559	0.67333	0.061737
0.006272	0.89247	-0.0155	0.7383	0.014882	0.74839	0.010953	0.81338	-0.00497
-0.00674	0.88457	-2.18E-05	0.99963	0.05115	0.26998	0.001208	0.97924	-0.02568
0.022561	0.62676	0.025807	0.57801	0.041634	0.36935	0.041827	0.36713	0.046991
0.03416	0.46146	0.054585	0.23908	0.066311	0.15251	0.007036	0.87947	0.064882
0.011752	0.80004	0.021965	0.63589	0.022696	0.62469	0.006593	0.887	0.011245
-0.09326	0.04396	-0.08734	0.0593	-0.00721	0.87656	-0.07557	0.10287	-0.04479
0.008713	0.85104	-0.00762	0.8695	0.028873	0.53367	0.038675	0.40437	0.021473
0.033684	0.46773	-0.00856	0.85356	-0.00295	0.94929	0.074505	0.10784	0.08416
-0.04521	0.3296	-0.1241	0.00725	-0.02225	0.63157	-0.14399	0.00181	-0.15766
-0.00841	0.85619	-0.02609	0.57379	0.008821	0.84922	0.051173	0.26976	-0.02614
-0.00277	0.95248	-0.02516	0.58758	0.030614	0.50929	-0.02075	0.65474	-0.02472
0.013008	0.77919	-0.00485	0.91671	0.016857	0.71636	0.007318	0.87467	0.017184
0.005525	0.90521	0.009423	0.83906	0.025383	0.58428	0.011496	0.80431	0.023509
0.022187	0.63247	-1.30E-05	0.99978	0.029414	0.52603	0.016648	0.71972	0.017415
0.008411	0.85615	0.008846	0.84879	0.021326	0.64574	0.015569	0.7372	0.026409
-0.0069	0.88185	-0.03731	0.4212	0.015718	0.73478	-0.011	0.81254	-0.02294
0.030838	0.50619	-0.02024	0.6627	0.026414	0.5691	0.046577	0.3152	0.001779
-0.01733	0.70879	-0.04192	0.36607	0.011192	0.80938	0.012373	0.78973	-0.02257
0.047415	0.30656	-0.01185	0.79839	0.029893	0.51931	0.054768	0.2375	0.014634

0.063672	0.16954	0.143249	0.00191	0.103579	0.0252	0.035248	0.44731	0.158644
-0.02811	0.54453	-0.02371	0.60936	0.035025	0.45019	-0.04373	0.34573	-0.02779
0.015978	0.73056	0.171166	0.0002	0.287884	2.31E-10	0.00085	0.98539	0.041058
0.039345	0.39627	0.025855	0.57731	0.028769	0.53514	0.023241	0.61639	0.072959
0.017115	0.7122	0.020048	0.66565	0.040829	0.37868	0.036145	0.43582	0.061914
0.012269	0.79144	0.012071	0.79473	0.013616	0.76917	0.038099	0.41141	0.055338
-0.06108	0.18762	-0.03788	0.41405	0.015816	0.73319	-0.03483	0.45272	-0.04614
-0.00805	0.86222	-0.02108	0.64951	0.013966	0.76341	-0.02527	0.58597	-0.00101
-0.03058	0.50977	-0.01504	0.74573	0.039405	0.39555	-0.0102	0.82606	-0.00876
0.011568	0.80312	0.045048	0.33136	0.012844	0.78191	0.013631	0.76891	0.080399
0.035405	0.44529	0.019793	0.66965	0.034525	0.45668	0.032645	0.48158	0.040389
-0.05576	0.22907	-0.06919	0.13544	0.008293	0.85815	-0.05756	0.21442	-0.06143
-0.01266	0.7849	-0.0253	0.58554	0.012707	0.78418	-0.03016	0.51563	-0.00073
-0.03786	0.41432	-0.03368	0.46778	-0.00924	0.8422	-0.01006	0.82831	-0.10057
0.016299	0.72536	0.012372	0.78974	0.064065	0.16692	0.019478	0.6746	0.016644
-0.06445	0.16439	-0.03508	0.44944	0.012952	0.78012	-0.0127	0.78435	-0.05101
-0.0487	0.29364	-0.00406	0.93035	0.036449	0.43198	0.035362	0.44583	-0.04036
-0.02708	0.55946	-0.07341	0.11314	-0.01848	0.69047	0.002975	0.94887	-0.07607
-0.11333	0.01427	0.038287	0.4091	0.071113	0.12488	-0.01753	0.70549	-0.00671
-0.23207	3.96E-07	-0.43789	2.68E-23	-0.32125	1.14E-12	-0.1158	0.01227	-0.21873
-0.33141	1.96E-13	-0.46488	2.05E-26	-0.35607	2.09E-15	-0.15277	0.00093	-0.24986
-0.25335	2.84E-08	-0.43614	4.17E-23	-0.43496	5.62E-23	-0.03384	0.46569	-0.02042
-0.0541	0.24329	-0.25395	2.62E-08	-0.29944	3.96E-11	0.020628	0.65659	-0.201
-0.27051	2.83E-09	-0.29373	9.54E-11	-0.26271	8.23E-09	-0.12932	0.00513	-0.13254
-0.08969	0.05276	-0.37961	1.87E-17	-0.15425	0.00082	-0.08866	0.05555	-0.15058
-0.06258	0.17696	-0.39464	7.46E-19	-0.11566	0.01238	-0.21141	4.05E-06	-0.30304
-0.19938	1.42E-05	-0.52862	5.64E-35	-0.45582	2.44E-25	-0.11511	0.0128	-0.07503
-0.35478	2.68E-15	-0.51916	1.37E-33	-0.64631	1.41E-56	-0.16688	0.00029	-0.18484
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0.308287	9.70E-12	-0.05177	0.26419	0.177608	0.00011	0.231116	4.43E-07	0.211469
-0.08351	0.07139	-0.3437	2.15E-14	-0.11855	0.01035	-0.09649	0.03712	-0.19523
-0.40267	1.25E-19	-0.63014	4.76E-53	-0.6952	1.12E-68	-0.24236	1.14E-07	-0.23403
-0.64228	1.12E-55	-0.76089	2.20E-89	-0.71851	2.43E-75	-0.33833	5.71E-14	-0.43847
-0.10709	0.02063	-0.29349	9.91E-11	-0.2601	1.17E-08	0.070873	0.12617	0.069134
-0.34961	7.16E-15	-0.52303	3.76E-34	-0.58267	8.33E-44	-0.13502	0.00346	-0.17495
-0.05041	0.27693	-0.36637	2.79E-16	-0.2242	9.85E-07	-0.04161	0.36959	-0.1889
-0.34853	8.75E-15	-0.44271	7.78E-24	-0.53008	3.42E-35	-0.0583	0.20852	-0.09782
-0.53375	9.54E-36	-0.72182	2.40E-76	-0.68867	6.41E-67	-0.25212	3.33E-08	-0.28876
-0.27733	1.08E-09	-0.38924	2.42E-18	-0.44453	4.86E-24	-0.04676	0.3133	-0.11218
-0.53628	3.94E-36	-0.62885	8.94E-53	-0.75355	9.50E-87	-0.26594	5.31E-09	-0.25262
-0.00336	0.94228	-0.35692	1.78E-15	-0.40206	1.43E-19	0.007012	0.87987	-0.18139
0.039708	0.39193	-0.38398	7.44E-18	-0.33986	4.33E-14	-0.09197	0.04698	-0.13112
-0.08686	0.06073	-0.30185	2.71E-11	-0.27993	7.43E-10	0.015767	0.73398	-0.16975
-0.46265	3.80E-26	-0.56893	2.09E-41	-0.65218	6.55E-58	-0.24368	9.69E-08	-0.2746
-0.22382	1.03E-06	-0.53089	2.58E-35	-0.52928	4.50E-35	-0.16413	0.00037	-0.35602

-0.23557	2.61E-07	-0.56353	1.72E-40	-0.52336	3.37E-34	-0.13735	0.00294	-0.40759
-0.19943	1.41E-05	-0.53184	1.86E-35	-0.3982	3.39E-19	-0.14219	0.00207	-0.18692
-0.12852	0.00541	-0.5865	1.70E-44	-0.47063	4.08E-27	-0.10371	0.02501	-0.24139
-0.13773	0.00286	-0.2796	7.79E-10	-0.24661	6.72E-08	-0.08624	0.06257	-0.08514
-0.56324	1.92E-40	-0.68595	3.35E-66	-0.74965	2.19E-85	-0.26791	4.06E-09	-0.27959
-0.19791	1.65E-05	-0.40335	1.07E-19	-0.38828	2.97E-18	0.037597	0.4176	0.069961
0.00468	0.91965	-0.4383	2.41E-23	-0.26859	3.69E-09	-0.09141	0.04835	-0.17606
0.158173	0.0006	-0.21187	3.86E-06	-0.12482	0.00692	0.127587	0.00576	0.004671
-0.06447	0.16427	-0.37218	8.63E-17	-0.38842	2.88E-18	-0.01209	0.7945	-0.16121
-0.18515	5.69E-05	-0.47444	1.38E-27	-0.47132	3.35E-27	-0.03432	0.45931	-0.18825
0.002474	0.95748	-0.36516	3.55E-16	-0.35618	2.05E-15	-0.03504	0.44996	0.01312
-0.2151	2.72E-06	-0.39891	2.89E-19	-0.3118	5.48E-12	-0.06719	0.14712	-0.27335
0.216389	2.36E-06	-0.21098	4.25E-06	-0.22182	1.29E-06	0.068411	0.13991	-0.07244
-0.21231	3.68E-06	-0.5742	2.60E-42	-0.55002	2.79E-38	-0.05057	0.27543	-0.2119
-0.13412	0.00369	-0.32397	7.14E-13	-0.32819	3.44E-13	0.00219	0.96235	0.006242
0.224327	9.72E-07	-0.08275	0.074	0.168107	0.00026	0.16978	0.00023	0.030423
-0.01891	0.68352	-0.31775	2.05E-12	-0.30957	7.88E-12	0.077522	0.09427	-0.05811
-0.11998	0.00945	-0.39654	4.90E-19	-0.3188	1.72E-12	-0.06517	0.15971	-0.20034
-0.01129	0.80777	-0.22917	5.56E-07	-0.33408	1.22E-13	0.057877	0.21188	-0.13533
-0.35536	2.40E-15	-0.64431	3.96E-56	-0.5473	7.58E-38	-0.20733	6.25E-06	-0.33874
-0.51918	1.37E-33	-0.68949	3.88E-67	-0.64913	3.25E-57	-0.31965	1.49E-12	-0.37682
-0.13868	0.00267	-0.35829	1.36E-15	-0.36946	1.50E-16	0.013501	0.77106	-0.08351
-0.14149	0.00218	-0.25284	3.03E-08	-0.1775	0.00012	0.024876	0.59181	0.070069
-0.11958	0.0097	-0.45401	3.98E-25	-0.24046	1.44E-07	-0.03629	0.43404	-0.26875
0.079618	0.08567	-0.25638	1.91E-08	-0.34179	3.05E-14	0.157184	0.00065	0.108543
-0.47974	2.97E-28	-0.63603	2.61E-54	-0.52414	2.59E-34	-0.32477	6.23E-13	-0.27613
-0.0453	0.3287	-0.31403	3.80E-12	-0.12889	0.00528	0.014536	0.75405	0.085419
-0.46152	5.19E-26	-0.68024	1.01E-64	-0.55744	1.75E-39	-0.26525	5.84E-09	-0.30056
-0.014	0.76284	-0.32837	3.34E-13	-0.31493	3.27E-12	-0.0114	0.80594	-0.07275
-0.33792	6.15E-14	-0.42383	8.79E-22	-0.4998	6.99E-31	-0.02823	0.54287	0.000683
-0.14742	0.0014	-0.30603	1.39E-11	-0.32674	4.43E-13	0.046256	0.31855	0.148702
-0.18246	7.31E-05	-0.43274	9.79E-23	-0.39934	2.63E-19	-0.09438	0.04147	-0.20757
-0.35899	1.19E-15	-0.41369	9.86E-21	-0.41164	1.59E-20	-0.18331	6.76E-05	-0.27973
-0.00418	0.92816	-0.49728	1.53E-30	-0.28045	6.89E-10	-0.0439	0.34385	-0.20834
-0.42393	8.57E-22	-0.68773	1.14E-66	-0.61836	1.32E-50	-0.17977	9.37E-05	-0.31738
-0.48228	1.41E-28	-0.71101	4.00E-73	-0.64271	9.00E-56	-0.28741	2.48E-10	-0.38368
-0.34341	2.27E-14	-0.53812	2.06E-36	-0.56368	1.62E-40	-0.09046	0.05074	-0.32347
-0.21408	3.04E-06	-0.4436	6.18E-24	-0.45355	4.50E-25	-0.09793	0.03438	-0.08738
-0.15252	0.00094	-0.47518	1.12E-27	-0.26911	3.44E-09	-0.11411	0.01361	-0.24757
-0.2071	6.41E-06	-0.49911	8.66E-31	-0.28781	2.33E-10	-0.1125	0.015	-0.13095
-0.22984	5.14E-07	-0.24035	1.46E-07	-0.24362	9.77E-08	0.019502	0.67423	-0.07125
-0.16595	0.00032	-0.17992	9.24E-05	-0.17858	0.0001	0.096358	0.03738	0.055623
-0.33216	1.72E-13	-0.56948	1.69E-41	-0.54716	7.97E-38	-0.09139	0.04841	-0.19299
-0.41442	8.31E-21	-0.47283	2.18E-27	-0.68365	1.34E-65	-0.05855	0.20662	-0.05683
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-0.21668	2.29E-06	-0.58597	2.13E-44	-0.408	3.70E-20	-0.09572	0.03866	-0.2517
-0.59857	9.93E-47	-0.65165	8.66E-58	-0.73309	7.22E-80	-0.24459	8.65E-08	-0.27203
-0.35821	1.38E-15	-0.6604	7.89E-60	-0.56588	6.90E-41	-0.19367	2.51E-05	-0.31836
0.128415	0.00545	-0.41756	3.96E-21	-0.26985	3.10E-09	-0.10675	0.02104	-0.29943
-0.26485	6.17E-09	-0.46295	3.49E-26	-0.57243	5.25E-42	-0.17499	0.00014	-0.15025
-0.25388	2.65E-08	-0.42049	1.96E-21	-0.4318	1.24E-22	0.138588	0.00269	0.05663
-0.29211	1.22E-10	-0.54546	1.48E-37	-0.50936	3.39E-32	-0.14732	0.00141	-0.25154
-0.26548	5.66E-09	-0.46653	1.29E-26	-0.56546	8.12E-41	0.003365	0.94218	-0.07918
-0.03237	0.48529	-0.31065	6.61E-12	-0.29011	1.65E-10	0.097696	0.03481	-0.06048
-0.12057	0.00911	-0.24787	5.73E-08	-0.23506	2.77E-07	-0.00758	0.8703	-0.066
-0.3095	7.97E-12	-0.37102	1.09E-16	-0.40557	6.45E-20	-0.10071	0.02954	0.018465
0.082285	0.07566	-0.18295	6.99E-05	-0.23623	2.41E-07	0.154186	0.00083	0.078402
-0.1102	0.0172	-0.47722	6.19E-28	-0.45202	6.77E-25	0.033713	0.46735	-0.15122
-0.05698	0.21904	-0.50777	5.64E-32	-0.43556	4.82E-23	0.011519	0.80392	-0.18656
0.01915	0.67978	-0.23694	2.21E-07	-0.16314	0.0004	-0.01146	0.80491	-0.08887
-0.2481	5.56E-08	-0.58354	5.83E-44	-0.39508	6.76E-19	-0.23426	3.05E-07	-0.42914
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-0.05507	0.23489	-0.4009	1.86E-19	-0.26487	6.15E-09	-0.00797	0.86368	-0.2601
-0.22902	5.66E-07	-0.33794	6.13E-14	-0.29925	4.07E-11	-0.04328	0.35073	-0.10502
-0.0573	0.21649	-0.21082	4.32E-06	-0.35461	2.77E-15	0.445023	4.27E-24	-0.04908
-0.31145	5.80E-12	-0.41967	2.39E-21	-0.4727	2.26E-27	-0.1023	0.02706	0.035628
-0.08183	0.07728	-0.36614	2.92E-16	-0.22142	1.35E-06	-0.14967	0.00118	-0.18273
-0.02198	0.63564	-0.19215	2.91E-05	-0.19321	2.63E-05	0.07761	0.09389	0.008267
-0.11746	0.01107	-0.49354	4.83E-30	-0.35012	6.50E-15	-0.10193	0.02762	-0.23656
-0.4966	1.89E-30	-0.61974	6.89E-51	-0.64864	4.21E-57	-0.21805	1.97E-06	-0.28021
-0.31368	4.02E-12	-0.48502	6.28E-29	-0.51109	1.94E-32	-0.15189	0.00099	-0.26871
-0.44134	1.11E-23	-0.6915	1.13E-67	-0.52079	7.97E-34	-0.30766	1.07E-11	-0.27086
-0.2977	5.18E-11	-0.36782	2.08E-16	-0.47366	1.72E-27	-0.12888	0.00528	-0.18787
-0.17898	0.0001	-0.35389	3.18E-15	-0.29758	5.28E-11	-0.00373	0.93593	0.091418
-0.1445	0.00174	-0.4505	1.02E-24	-0.47858	4.16E-28	0.027531	0.55286	-0.10759
-0.17225	0.00018	-0.4789	3.80E-28	-0.38914	2.47E-18	-0.00965	0.83518	-0.16485
-0.56883	2.18E-41	-0.64136	1.79E-55	-0.60975	6.90E-49	-0.3334	1.38E-13	-0.20311
-0.47103	3.64E-27	-0.62161	2.87E-51	-0.63133	2.66E-53	-0.1882	4.26E-05	-0.2023
-0.1083	0.01923	-0.37266	7.83E-17	-0.33519	1.00E-13	-0.07321	0.1141	-0.23936
-0.29041	1.58E-10	-0.55313	8.84E-39	-0.47751	5.69E-28	-0.16264	0.00042	-0.22796
-0.36115	7.81E-16	-0.57083	9.92E-42	-0.49316	5.42E-30	-0.14815	0.00132	-0.26485
-0.53917	1.42E-36	-0.59741	1.64E-46	-0.61121	3.57E-49	-0.25877	1.39E-08	-0.15022
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0.034173	0.46129	-0.32401	7.09E-13	-0.0582	0.20934	-0.05966	0.1981	-0.21481
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-0.42864	2.71E-22	-0.5818	1.19E-43	-0.60625	3.34E-48	-0.17206	0.00019	-0.14031
-0.09174	0.04755	-0.51589	4.05E-33	-0.36408	4.38E-16	-0.03694	0.42574	-0.23935
-0.29521	7.62E-11	-0.66618	3.24E-61	-0.62215	2.22E-51	-0.13862	0.00268	-0.32487
-0.19099	3.26E-05	-0.34903	7.97E-15	-0.33564	9.26E-14	-0.03365	0.46817	0.095327

-0.4596	8.76E-26	-0.60983	6.66E-49	-0.69257	5.82E-68	-0.23227	3.87E-07	-0.19198
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-0.30116	3.02E-11	-0.60212	2.09E-47	-0.61166	2.91E-49	-0.14501	0.00168	-0.20245
-0.26355	7.36E-09	-0.44088	1.25E-23	-0.45839	1.22E-25	-0.14468	0.00172	-0.21545
-0.18022	9.00E-05	-0.29177	1.29E-10	-0.24696	6.43E-08	-0.12707	0.00596	-0.22288
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-0.04484	0.33359	0.011455	0.805	0.04703	0.3105	-0.06223	0.17942	-0.04558
-0.0241	0.60349	0.048726	0.29336	0.126864	0.00605	0.019561	0.67331	0.0034
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0.11069	0.01671	0.302004	2.64E-11	0.355447	2.36E-15	0.05036	0.27745	0.103031
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0.107761	0.01984	0.208214	5.70E-06	0.176273	0.00013	0.015299	0.74159	0.027928
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-0.07191	0.12072	-0.0776	0.09393	-0.03961	0.3931	-0.024	0.60498	0.023222
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0.080627	0.08177	0.301768	2.74E-11	0.409391	2.68E-20	0.062695	0.1762	0.072686
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0.009592	0.83621	0.09991	0.03087	0.166382	0.0003	-0.00072	0.9877	-0.05825
0.080884	0.08079	0.255473	2.15E-08	0.243094	1.04E-07	-0.04678	0.31312	-0.09607
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0.006265	0.89259	0.049017	0.29048	0.118068	0.01066	-0.07681	0.09736	0.007705
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0.13679	0.00306	0.230581	4.71E-07	0.346021	1.40E-14	0.045474	0.3268	0.088383
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-0.03799	0.41279	0.236091	2.45E-07	0.326457	4.65E-13	0.033685	0.46772	0.07794
-0.06096	0.18852	-0.01336	0.77341	0.044816	0.33386	-0.11121	0.0162	-0.11413
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0.050915	0.27219	0.062122	0.18019	0.136847	0.00304	-0.07323	0.11403	-0.1248
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0.063529	0.17051	0.144349	0.00176	0.241815	1.22E-07	-0.09357	0.04327	-0.04685
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-0.12088	0.00893	-0.09762	0.03494	-0.01186	0.7982	-0.13119	0.00452	-0.12229
-0.16781	0.00027	-0.13492	0.00349	-0.06311	0.17335	-0.18386	6.43E-05	-0.19501
-0.00537	0.90793	-0.03089	0.50548	0.023422	0.61366	-0.07494	0.1058	-0.06713
-0.2058	7.34E-06	-0.06957	0.13329	0.023174	0.61741	-0.18683	4.86E-05	-0.06392
0.014573	0.75345	0.197448	1.72E-05	0.331034	2.10E-13	0.022733	0.62413	0.031199
-0.26455	6.42E-09	-0.10698	0.02076	-0.06798	0.14241	-0.19012	3.54E-05	-0.16486
-0.07208	0.11983	0.045685	0.32456	0.064783	0.1622	-0.05335	0.24991	0.020587
-0.09756	0.03507	0.055835	0.22847	0.125365	0.00668	-0.06688	0.14899	-0.01079



-7.58E-05	0.9987	0.059529	0.19909	0.178507	0.00011	-0.05812	0.20996	-0.04066
-0.10072	0.02953	-0.08837	0.05635	0.002326	0.96002	-0.10067	0.02961	-0.18769
-0.01946	0.67493	-0.06319	0.17283	0.04567	0.32472	-0.04868	0.29379	-0.14779
-0.08836	0.05638	0.137402	0.00293	0.174105	0.00016	-0.06287	0.175	-0.19799
-0.02571	0.57944	-0.03408	0.4625	0.022897	0.62163	-0.14331	0.0019	-0.15386
-0.11908	0.01001	-0.12087	0.00893	-0.08872	0.05537	-0.068	0.14233	-0.18263
-0.03015	0.51577	-0.00446	0.92338	0.024805	0.59286	-0.0937	0.04299	-0.02517
-0.00075	0.98719	0.057184	0.21741	0.110396	0.01701	0.017189	0.71102	0.09506
-0.33789	6.19E-14	-0.14148	0.00218	-0.1973	1.75E-05	-0.09886	0.03269	0.010206
-0.06265	0.17654	0.093299	0.04388	0.102677	0.0265	-0.11261	0.0149	-0.0518
-0.11029	0.01711	0.034282	0.45987	0.077671	0.09363	-0.05077	0.27356	0.005578
-0.09464	0.04092	0.021269	0.64663	0.068043	0.14206	-0.027	0.56052	-0.06199
-0.0692	0.13541	0.028617	0.53731	0.072417	0.1181	-0.06107	0.18767	-0.02197
-0.043	0.35379	0.076662	0.09799	0.167151	0.00029	-0.07683	0.09727	-0.02887
-0.12763	0.00575	-0.08633	0.0623	-0.03417	0.46139	-0.11006	0.01735	-0.10182
-0.02077	0.65444	0.130783	0.00464	0.147104	0.00143	0.050039	0.28053	0.08395
-0.1161	0.01205	-0.04107	0.37591	0.008207	0.8596	-0.08512	0.06609	-0.06226
0.006199	0.89372	0.126677	0.00612	0.202824	9.99E-06	-0.18687	4.84E-05	-0.16311
-0.08532	0.06546	0.106812	0.02096	0.135166	0.00343	-0.05445	0.24028	-0.07771
-0.02586	0.57727	-0.02539	0.58418	0.002557	0.95604	-0.01872	0.68664	-0.10599
0.058793	0.20472	0.050708	0.27414	0.124919	0.00687	-0.00347	0.94034	-0.05045
-0.07654	0.09851	-0.07297	0.1153	0.038635	0.40486	-0.12077	0.00899	-0.11308
-0.10882	0.01866	-0.06533	0.1587	-0.07341	0.11315	-0.03162	0.49548	-0.04867
-0.01153	0.80373	0.062697	0.17619	0.15781	0.00062	-0.09498	0.0402	-0.09785
0.050157	0.2794	0.265763	5.44E-09	0.328291	3.39E-13	0.088699	0.05544	0.091633
-0.03833	0.4086	-0.03874	0.40355	0.086566	0.0616	-0.14822	0.00132	-0.12666
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-0.13755	0.0029	-0.05316	0.25156	-0.03624	0.43461	-0.12271	0.00794	-0.11842
0.09456	0.0411	0.079986	0.08423	0.205502	7.57E-06	-0.02984	0.52012	-0.02031
-0.20114	1.19E-05	-0.04422	0.34028	-0.03584	0.43969	-0.11855	0.01035	-0.1145
0.033928	0.46451	0.265672	5.51E-09	0.366945	2.48E-16	0.049141	0.28927	0.072785
-0.23223	3.88E-07	-0.02151	0.64288	-0.04828	0.2978	-0.03197	0.49072	0.114231
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-0.06566	0.15658	0.049605	0.28472	0.138296	0.00274	-0.05852	0.2068	-0.02436
-0.05941	0.20002	0.035111	0.44908	0.107311	0.02037	-0.107	0.02074	-0.09557
-0.09632	0.03746	-0.03494	0.4513	0.022391	0.62935	-0.06645	0.15162	-0.08855
0.027163	0.55819	0.113289	0.0143	0.148264	0.00131	0.024704	0.59437	0.054234
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0.030027	0.51744	0.134147	0.00368	0.16762	0.00027	-0.04127	0.37359	-0.01193

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-0.08047	0.08236	-0.05873	0.2052	-0.01905	0.68139	-0.10848	0.01903	-0.11165
-0.13216	0.00423	-0.03461	0.45552	0.010288	0.82452	-0.08449	0.06812	-0.0688
0.06852	0.13927	0.003695	0.93652	0.097641	0.03491	-0.1471	0.00143	-0.15937
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0.033982	0.4638	-0.03121	0.50101	0.038059	0.4119	-0.02168	0.64025	-0.16164
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-0.0066	0.88689	0.06535	0.15856	0.107898	0.01969	-0.03308	0.47577	-0.00195
-0.10908	0.01838	-0.08369	0.07077	0.022216	0.63203	-0.12016	0.00934	-0.11538
-0.04163	0.3694	-0.01117	0.80978	0.013886	0.76471	-0.11555	0.01246	-0.07501
-0.11227	0.01521	0.021255	0.64685	0.094596	0.04102	-0.08264	0.0744	-0.08562
0.020921	0.65203	0.08661	0.06146	0.191789	3.02E-05	-0.06146	0.18489	-0.03565
-0.10551	0.02259	-0.04498	0.33209	0.031129	0.50217	-0.0806	0.08188	-0.06941
-0.01815	0.69568	0.004638	0.92038	0.061816	0.18235	-0.07515	0.1048	-0.14078
-0.08879	0.05517	-0.07012	0.13023	0.039611	0.39309	-0.12492	0.00687	-0.14538
-0.08996	0.05203	-0.03199	0.49039	0.077374	0.0949	-0.12476	0.00695	-0.0876
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-0.01068	0.81791	0.091857	0.04726	0.164472	0.00036	-0.04257	0.35867	-0.00251
-0.10319	0.02576	0.019464	0.67483	0.083518	0.07136	-0.05081	0.27313	-0.03177
-0.171	0.0002	-0.05814	0.20977	0.041316	0.37302	-0.09918	0.03212	-0.10664
-0.07211	0.11965	0.091123	0.04907	0.125277	0.00671	-0.06143	0.1851	-0.02467
-0.04305	0.35328	0.053719	0.24662	0.097949	0.03434	-0.04382	0.34472	0.005381
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0.050816	0.27312	0.210708	4.37E-06	0.235288	2.70E-07	0.003413	0.94136	0.045743
0.023915	0.60621	0.200809	1.23E-05	0.232728	3.66E-07	-0.04131	0.37303	-0.0339
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-0.0977	0.0348	0.004165	0.92848	0.010535	0.82038	-0.01406	0.76194	0.021244
0.069019	0.13641	0.139034	0.0026	0.238928	1.74E-07	-0.02252	0.62744	-0.00602
0.005125	0.91205	0.120849	0.00894	0.230403	4.81E-07	-0.0359	0.43892	-0.02322
-0.10284	0.02627	-0.12004	0.00942	-0.08192	0.07698	-0.15385	0.00085	-0.20307
-0.09097	0.04944	-0.11106	0.01634	-0.07706	0.09624	-0.1406	0.00232	-0.16284
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0.073974	0.11038	0.224153	9.91E-07	0.292035	1.24E-10	0.04718	0.30896	0.004044
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0.16064	0.00049	0.121638	0.0085	0.210753	4.35E-06	-0.02074	0.65486	-0.09572
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0.016276	0.72574	0.112017	0.01544	0.188515	4.14E-05	-0.02508	0.58877	-0.06369
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0.02547	0.58299	0.111993	0.01546	0.17949	9.61E-05	-0.08033	0.08288	0.026943
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0.029208	0.52893	0.024486	0.59763	0.076627	0.09814	0.017409	0.70749	-0.09179
-0.0239	0.60639	0.030428	0.51186	0.020129	0.66439	-0.04052	0.38225	-0.0545
-0.06901	0.13645	-0.00413	0.92907	0.03287	0.47857	-0.08648	0.06186	-0.08927
-0.08548	0.06494	-0.02976	0.52118	0.016451	0.7229	-0.11639	0.01183	-0.04571
0.151849	0.001	0.249341	4.75E-08	0.354553	2.80E-15	0.056712	0.22123	-0.01508
0.040952	0.37725	0.173775	0.00016	0.194949	2.21E-05	0.05153	0.26643	0.009703
-0.08261	0.07449	-0.02742	0.55453	0.084273	0.06883	-0.12396	0.00732	-0.12787
-0.05267	0.25596	0.060269	0.19356	0.143871	0.00183	-0.06577	0.15588	-0.01158
0.005965	0.8977	0.041643	0.36924	0.058727	0.20523	-0.09662	0.03687	-0.01379
-0.08205	0.07651	-0.01068	0.8179	0.050736	0.27388	-0.08429	0.06879	-0.03382
-0.21497	2.76E-06	0.106171	0.02175	0.105797	0.02222	-0.13951	0.00251	-0.13803
-0.08823	0.05673	0.037054	0.42436	0.100141	0.03049	-0.03574	0.44094	-0.03335
-0.04531	0.32857	0.025439	0.58345	0.151724	0.00101	-0.11003	0.01738	-0.09025
-0.07964	0.08557	-0.01215	0.7934	0.067634	0.14447	-0.14319	0.00192	-0.06091
-0.15416	0.00083	-0.10053	0.02984	-0.063	0.17408	-0.14001	0.00243	-0.26497
0.093928	0.04247	0.200302	1.29E-05	0.252126	3.33E-08	0.021089	0.64942	-0.03344
-0.03262	0.48185	0.117461	0.01107	0.121532	0.00856	0.087941	0.05756	0.171011
-0.14565	0.0016	-0.00387	0.93358	0.035018	0.45027	-0.08033	0.08288	-0.06708
-0.03097	0.50441	0.075751	0.10206	0.103822	0.02485	-0.01975	0.67031	0.023554
-0.0846	0.06777	-0.0804	0.08265	-0.01011	0.82748	-0.13606	0.00322	-0.14415
-0.04294	0.35447	-0.06443	0.16451	-0.02983	0.52012	-0.01639	0.72396	-0.0729
-0.02413	0.60301	0.065821	0.15557	0.128964	0.00525	-0.07182	0.12116	-0.00273
-0.13609	0.00321	-0.01704	0.71343	0.058786	0.20477	-0.0922	0.04645	-0.04393
-0.17254	0.00018	-0.03827	0.4093	-0.0016	0.97246	-0.07415	0.10954	-0.05599
-0.0468	0.31286	-0.00556	0.90461	0.0418	0.36744	-0.03141	0.49834	-0.06185
-0.11177	0.01567	0.008742	0.85055	0.047409	0.30662	-0.0722	0.11918	-0.01656
-0.13287	0.00402	0.072915	0.11559	0.104646	0.02372	-0.01407	0.76174	0.010768
-0.10551	0.02259	-0.02788	0.5478	-0.02619	0.57231	-0.07083	0.12637	-0.16744

0.004116	0.92932	0.010709	0.81746	0.102923	0.02614	-0.09352	0.04338	-0.10316
-0.11854	0.01035	-0.08922	0.05401	-0.02362	0.6106	-0.22031	1.53E-06	-0.22166
-0.14257	0.00201	-0.08584	0.06381	-0.019	0.68214	-0.13868	0.00267	-0.12293
0.086322	0.06233	0.071117	0.12486	0.109142	0.01831	-0.23781	1.99E-07	-0.17936
0.005655	0.90299	0.143804	0.00184	0.186215	5.15E-05	-0.06456	0.16365	-0.08438
-0.09396	0.0424	-0.03331	0.47263	0.028962	0.53241	-0.07466	0.1071	-0.05708
-0.08244	0.0751	0.025932	0.57616	0.097361	0.03544	-0.12188	0.00837	-0.08855
-0.28579	3.15E-10	-0.04785	0.30214	-0.15013	0.00114	-0.12829	0.0055	-0.05613
-0.0931	0.04434	-0.0319	0.49163	0.042146	0.36349	-0.10479	0.02352	-0.09435
-0.1228	0.00789	-0.01674	0.71832	0.033926	0.46454	-0.0786	0.08978	-0.06165
-0.13223	0.0042	-0.02311	0.61833	0.002558	0.95603	-0.08512	0.06608	-0.04845
-0.09173	0.04757	0.045707	0.32432	0.043208	0.35151	-0.07113	0.12477	-0.06991
-0.02052	0.65833	-0.02905	0.53124	0.022538	0.62711	-0.16199	0.00044	-0.1379
-0.06817	0.1413	-0.01466	0.75204	0.044065	0.34203	-0.10572	0.02232	-0.05872
-0.03143	0.49804	-0.04373	0.34572	0.012495	0.78769	-0.09451	0.0412	-0.13172
-0.00381	0.93453	0.189044	3.93E-05	0.313795	3.95E-12	0.005912	0.89862	0.013151
0.021018	0.65052	0.246569	6.75E-08	0.371934	9.08E-17	0.051417	0.26748	0.057147
-0.02961	0.52328	-0.05839	0.20782	0.043508	0.34818	-0.14705	0.00144	-0.10155
-0.08376	0.07053	-0.04674	0.31348	0.049534	0.28541	-0.07516	0.10475	-0.09269
-0.0671	0.1477	-0.07884	0.08878	0.028496	0.53903	-0.09333	0.04382	-0.15032
-0.06333	0.17187	-0.06213	0.18015	0.039409	0.3955	-0.16247	0.00042	-0.10748
0.048666	0.29395	0.084941	0.06666	0.143302	0.00191	-0.08573	0.06414	-0.04997
-0.10804	0.01952	-0.04322	0.35139	0.042456	0.35997	-0.09682	0.03648	-0.08498
-0.0862	0.06271	-0.00792	0.86452	0.01089	0.81444	-0.05166	0.26522	-0.00104
-0.04905	0.29019	0.077662	0.09368	0.126308	0.00627	-0.02948	0.52517	0.037349
-0.10116	0.02883	-0.00793	0.86422	0.070535	0.12799	-0.08702	0.06024	-0.0449
-0.08787	0.05776	-0.05681	0.22046	0.023962	0.6055	-0.11543	0.01256	-0.10795
-0.04608	0.32044	0.085021	0.0664	0.108455	0.01906	-0.05891	0.20382	0.047936
-0.09959	0.03142	-0.04737	0.30703	0.024323	0.60008	-0.0987	0.03297	-0.08252
-0.07817	0.09154	0.006132	0.89485	0.111414	0.01601	-0.12796	0.00562	-0.09579
-0.10364	0.0251	0.001117	0.98079	0.074206	0.10926	-0.08316	0.0726	-0.061
-0.10198	0.02755	-0.00817	0.86023	0.061549	0.18425	-0.09207	0.04676	-0.04762
-0.07793	0.09255	-0.00423	0.92736	0.069486	0.13377	-0.08043	0.08251	-0.04946
-0.09154	0.04803	0.116308	0.0119	0.164457	0.00036	-0.01177	0.79982	0.040483
-0.05448	0.23997	0.071513	0.12277	0.14877	0.00126	-0.0494	0.28676	0.011422
-0.0488	0.29263	0.065299	0.15888	0.129139	0.00519	-0.05741	0.21561	0.012125
-0.15417	0.00083	-0.03391	0.46479	-0.01965	0.67197	-0.04597	0.32157	-0.05158
-0.05381	0.24585	0.017818	0.70094	0.097363	0.03543	-0.07689	0.09699	-0.05408
-0.08937	0.05361	0.047427	0.30644	0.084182	0.06914	-0.03712	0.42354	0.001793
-0.06784	0.14322	-0.03225	0.48691	0.037519	0.41857	-0.11182	0.01562	-0.06719
-0.122	0.00831	-0.05057	0.27547	-0.00034	0.99418	-0.11215	0.01532	-0.05715
-0.07454	0.10768	0.008677	0.85166	0.091086	0.04916	-0.09665	0.0368	-0.04836
-0.07348	0.11277	-0.03285	0.47879	0.018388	0.69186	-0.08755	0.05868	-0.08162
-0.03632	0.43355	-0.00325	0.94408	0.117118	0.01131	-0.08516	0.06596	-0.08849
-0.10352	0.02528	-0.06146	0.18486	0.054631	0.23868	-0.12528	0.00671	-0.10656

-0.01811	0.69627	-0.05437	0.24096	0.004728	0.91883	-0.10128	0.02864	-0.05697
-0.02276	0.62366	0.03478	0.45337	0.161911	0.00044	-0.11057	0.01683	-0.08245
-0.0754	0.10368	-0.04968	0.28404	0.054514	0.23968	-0.09261	0.04547	-0.10289
-0.09614	0.03781	-0.08808	0.05717	8.26E-05	0.99858	-0.11144	0.01599	-0.12452
-0.10271	0.02645	-0.01898	0.68254	0.051847	0.26349	-0.07556	0.10293	-0.052
-0.11608	0.01206	-0.04332	0.35022	0.033535	0.4697	-0.09808	0.03409	-0.0549
-0.06539	0.15829	-0.01349	0.77128	0.09051	0.05062	-0.08337	0.07187	-0.11418
-0.05713	0.21783	0.073977	0.11036	0.123859	0.00737	-0.09931	0.0319	-0.15636
-0.08291	0.07347	-0.10539	0.02274	-0.02646	0.56835	-0.22332	1.09E-06	-0.19792
-0.00166	0.9715	0.131224	0.0045	0.189977	3.59E-05	0.002173	0.96264	0.049141
-0.03602	0.4374	0.066409	0.1519	0.139532	0.00251	-0.00513	0.91196	-0.00185
-0.10321	0.02573	-0.06237	0.17844	0.032738	0.48033	-0.14814	0.00133	-0.123
-0.06636	0.1522	-0.0187	0.68685	0.046089	0.3203	-0.08127	0.07933	-0.06373
-0.0765	0.09871	-0.07143	0.12318	0.028504	0.53892	-0.11729	0.01119	-0.12008
-0.08778	0.05804	-0.09072	0.05007	-0.00902	0.84588	-0.13202	0.00426	-0.10712
-0.04974	0.28343	-0.05994	0.19599	0.046225	0.31887	-0.09725	0.03564	-0.1187
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-0.05541	0.23204	0.003729	0.93594	0.087234	0.05961	-0.09535	0.03943	-0.04326
-0.05945	0.19966	0.02107	0.64971	0.095737	0.03863	-0.0757	0.10228	-0.02738
-0.03528	0.44687	0.116309	0.01189	0.195757	2.04E-05	-0.02016	0.66392	0.000968
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-0.04753	0.30541	0.061106	0.18744	0.118356	0.01047	-0.02186	0.63756	0.023601
-0.1103	0.0171	-0.04438	0.3386	0.015568	0.73721	-0.08631	0.06236	-0.05664
-0.05154	0.26636	0.088706	0.05542	0.180271	8.95E-05	-0.08278	0.0739	-0.02571
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-0.08076	0.08125	0.062022	0.1809	0.117381	0.01113	-0.04709	0.30993	0.004368
-0.07375	0.11145	0.004706	0.91922	0.068917	0.13699	-0.08212	0.07624	-0.01773
-0.04966	0.28417	0.053877	0.24523	0.141202	0.00222	-0.06168	0.18334	0.037744
-0.08035	0.08281	-0.05619	0.22553	0.032262	0.48675	-0.09681	0.03649	-0.10291
-0.11299	0.01457	-0.04569	0.32448	0.028968	0.53233	-0.0964	0.0373	-0.08761
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-0.08961	0.05296	-0.01937	0.67633	0.045952	0.32174	-0.09887	0.03267	-0.07349
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0.053395	0.24948	0.215624	2.57E-06	0.361648	7.08E-16	-0.06781	0.1434	0.047065
0.083034	0.07303	0.178995	0.0001	0.280799	6.55E-10	-0.0341	0.46224	0.017518
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-0.09469	0.04082	0.062188	0.17973	0.101889	0.02769	-0.00483	0.91711	0.012877
-0.05553	0.23104	0.052672	0.25596	0.072709	0.11662	-0.01837	0.6922	0.032705
-0.12034	0.00924	-0.09406	0.04218	0.020529	0.65813	-0.13525	0.00341	-0.10569
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0.022256	0.63143	0.140605	0.00232	0.219784	1.62E-06	-0.005	0.91418	0.06385
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-0.04848	0.2958	0.061449	0.18497	0.13296	0.004	-0.04329	0.35059	-0.05849
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-0.02643	0.56891	0.013342	0.77368	0.068231	0.14095	-0.09323	0.04405	-0.04967
-0.04275	0.35665	0.012557	0.78667	0.04811	0.29952	-0.06869	0.13827	-0.02026
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-0.08898	0.05467	0.032226	0.48723	0.042035	0.36475	-0.05177	0.26418	-0.02377
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-0.00973	0.83388	0.146028	0.00156	0.248313	5.42E-08	-0.00639	0.89042	-0.00169
-0.11167	0.01577	-0.03783	0.4147	0.058599	0.20622	-0.1063	0.02159	-0.08716
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0.044968	0.33222	0.114453	0.01333	0.248053	5.60E-08	-0.03679	0.42771	-0.08873
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-0.08073	0.08139	0.012428	0.7888	0.064449	0.16439	-0.07341	0.1131	-0.04175
-0.02285	0.62241	0.031137	0.50208	0.089349	0.05366	-0.02719	0.55777	-0.0633
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0.102937	0.02612	0.207668	6.04E-06	0.213245	3.33E-06	0.115798	0.01228	0.056736
0.308191	9.85E-12	0.141389	0.00219	0.161057	0.00048	0.199011	1.47E-05	0.14193
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-0.17063	0.00021	-0.11348	0.01414	-0.02762	0.55151	-0.14485	0.0017	-0.17288
-0.12177	0.00843	-0.02384	0.60739	0.043469	0.3486	-0.13813	0.00278	-0.09427
-0.1036	0.02517	-0.03209	0.48908	0.035273	0.44698	-0.11081	0.01659	-0.06813

-0.10791	0.01967	-0.11057	0.01683	-0.03173	0.49397	-0.06503	0.16062	-0.09489
-0.09387	0.04259	0.028527	0.53859	0.07832	0.09092	-0.08755	0.05868	-0.05134
0.046565	0.31531	0.098286	0.03372	0.124373	0.00712	-0.00957	0.83656	0.001048
-0.11125	0.01616	0.080123	0.0837	0.122185	0.00821	-0.0539	0.24503	0.025008
-0.13816	0.00277	0.027003	0.56052	0.022028	0.63492	-0.05204	0.26168	-0.02439
0.018694	0.687	0.169254	0.00024	0.189887	3.63E-05	0.013278	0.77474	0.079502
-0.09629	0.03751	0.043968	0.3431	0.065074	0.16032	0.009626	0.83565	0.018246
-0.12346	0.00756	-0.0248	0.593	-0.00212	0.96358	-0.0686	0.1388	-0.03415
-0.03136	0.49899	-0.00522	0.91039	0.005322	0.90868	-0.11883	0.01016	-0.0637
-0.06747	0.14545	0.004052	0.93042	0.038401	0.40771	-0.03395	0.46429	-0.06649
-0.09063	0.05031	-0.0287	0.53612	0.043294	0.35056	-0.08985	0.05234	-0.08681
-0.04985	0.2824	-0.04355	0.34773	0.057919	0.21154	-0.07207	0.11985	-0.06494
-0.04121	0.37426	-0.00959	0.83625	0.03812	0.41115	-0.00572	0.9019	-0.07745
-0.14456	0.00174	0.071591	0.12236	0.117166	0.01128	-0.02593	0.57617	-0.00726
-0.07671	0.09779	-0.02343	0.61359	0.059638	0.19828	-0.09746	0.03524	-0.07275
-0.10074	0.0295	-0.04819	0.29869	-0.01814	0.69578	-0.16824	0.00026	-0.06672
-0.12293	0.00782	-0.0212	0.64769	0.05661	0.22207	-0.06757	0.14483	-0.07252
-0.06874	0.138	-0.08584	0.06381	0.007708	0.86805	-0.11656	0.01171	-0.12496
-0.11808	0.01066	0.01148	0.80457	0.008575	0.85337	-0.03216	0.48814	-0.0032
-0.12335	0.00762	-0.00976	0.83334	0.019922	0.66762	-0.09815	0.03396	-0.06029
-0.09768	0.03483	0.059257	0.20116	0.068424	0.13983	-0.06101	0.18813	-0.00403
-0.09907	0.03232	-0.02217	0.63274	0.029269	0.52808	-0.05859	0.20627	-0.04262
0.030678	0.50839	0.04998	0.2811	0.08363	0.07098	-0.0142	0.75948	-0.00091
-0.11729	0.0112	0.051864	0.26333	0.103024	0.02599	-0.05748	0.21505	0.034744
-0.08828	0.05659	0.133271	0.00391	0.175377	0.00014	0.05806	0.21043	0.058112
-0.04026	0.3854	0.131202	0.00451	0.22027	1.54E-06	-0.00028	0.99518	0.010709
-0.09613	0.03784	-0.08646	0.06191	0.002822	0.9515	-0.10037	0.0301	-0.11927
-0.07452	0.10778	0.082961	0.07328	0.138286	0.00275	-0.04977	0.28309	-0.00922
0.039456	0.39493	0.015285	0.74181	0.051009	0.2713	0.091337	0.04854	0.006679
-0.00017	0.99711	0.030259	0.51421	0.077701	0.09351	-0.05549	0.23136	-0.05146
0.002114	0.96366	-0.01022	0.82563	0.035604	0.44273	-0.15855	0.00058	-0.17438
-0.04259	0.3585	0.131154	0.00453	0.170866	0.00021	-0.02001	0.66626	0.028188
-0.08416	0.06922	-0.01843	0.69126	0.033733	0.46709	-0.07346	0.11289	-0.04627
-0.03736	0.42059	-0.00973	0.83382	0.036362	0.43307	-0.06095	0.18854	-0.06342
-0.08385	0.07026	-0.00124	0.97869	0.02879	0.53486	-0.05344	0.2491	-0.04227
-0.05969	0.19788	0.025776	0.57847	0.038575	0.40558	-0.05184	0.26354	-0.06095
-0.07232	0.11859	0.089356	0.05365	0.096146	0.0378	-0.05051	0.27603	0.040666
0.026724	0.56457	0.100667	0.02962	0.214614	2.87E-06	0.090583	0.05043	0.005011
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0.029836	0.52011	0.169084	0.00024	0.296689	6.06E-11	-0.03184	0.49247	0.007505
-0.0788	0.08895	0.040798	0.37904	0.081623	0.07805	-0.05845	0.20738	-0.04979
-0.10569	0.02236	-0.04936	0.28715	0.036876	0.42659	-0.10197	0.02756	-0.093
0.042305	0.36168	0.035247	0.44733	0.100628	0.02968	0.054366	0.24096	0.041525
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0.056277	0.2248	0.107149	0.02056	0.117518	0.01103	0.151722	0.00101	0.083591



-0.06057	0.19131	-0.07435	0.10858	-0.02811	0.54451	-0.07677	0.09753	-0.06168
-0.0115	0.80418	0.002514	0.95679	0.101323	0.02857	-0.10469	0.02366	-0.11938
-0.19102	3.25E-05	-0.17592	0.00013	-0.19158	3.08E-05	-0.1502	0.00113	-0.21139
-0.13569	0.0033	-0.15378	0.00086	-0.08386	0.07021	-0.10788	0.01971	-0.13533
-0.04793	0.30136	0.017211	0.71067	0.096852	0.03641	-0.05368	0.24694	-0.0834
-0.09034	0.05106	0.011212	0.80905	0.074966	0.10567	-0.06394	0.16778	-0.04443
-0.17875	0.0001	0.030664	0.50859	0.014288	0.75811	-0.05602	0.22695	-0.06993
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0.048339	0.29722	0.077728	0.0934	0.121907	0.00836	0.007288	0.87519	-0.00415
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0.114109	0.01361	0.236784	2.25E-07	0.377867	2.68E-17	-0.02994	0.51871	0.005312
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0.113708	0.01395	0.163029	0.0004	0.234804	2.86E-07	0.028583	0.53779	-0.0497
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-0.14269	0.00199	-0.00254	0.95631	0.026528	0.56743	-0.12182	0.00841	-0.04933
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0.014102	0.76117	0.100873	0.02929	0.249218	4.83E-08	-0.02381	0.60773	-0.02605
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0.049886	0.282	0.147489	0.00139	0.16003	0.00052	-0.02452	0.59713	0.003404
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0.056534	0.22269	0.066005	0.15442	0.163818	0.00038	-0.09338	0.0437	-0.09181
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0.047347	0.30725	0.170357	0.00022	0.292908	1.08E-10	-0.00318	0.9453	-0.0702
0.101256	0.02868	0.203788	9.05E-06	0.241562	1.26E-07	-0.04377	0.34532	-0.0458
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0.052853	0.25433	-0.00103	0.98229	0.033064	0.47597	0.014204	0.75949	-0.09005
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0.45981	8.28E-26	0.635838	2.88E-54	0.390128	2.00E-18	0.384972	6.03E-18	0.339235
0.663029	1.86E-60	0.658486	2.23E-59	0.651334	1.02E-57	0.434797	5.85E-23	0.529901
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0.521547	6.20E-34	0.562467	2.58E-40	0.502731	2.79E-31	0.368074	1.98E-16	0.352625
0.467822	9.00E-27	0.221961	1.27E-06	0.182387	7.37E-05	0.384727	6.35E-18	0.279422
0.651832	7.86E-58	0.654448	1.96E-58	0.487282	3.20E-29	0.589468	4.90E-45	0.64401
0.129355	0.00512	0.005373	0.9078	-0.18399	6.34E-05	0.162147	0.00043	-0.02281
0.430816	1.58E-22	0.38129	1.31E-17	0.456732	1.91E-25	0.22486	9.14E-07	0.16869
0.425903	5.30E-22	0.290663	1.52E-10	0.076029	0.1008	0.385261	5.67E-18	0.283673
0.684863	6.44E-66	0.745375	6.40E-84	0.647012	9.82E-57	0.530692	2.76E-35	0.556689
0.484927	6.46E-29	0.306737	1.25E-11	0.189055	3.93E-05	0.288943	1.97E-10	0.1882
0.453261	4.86E-25	0.365588	3.25E-16	0.282357	5.22E-10	0.222292	1.22E-06	0.199534
0.604025	9.01E-48	0.782661	8.55E-98	0.585688	2.39E-44	0.451491	7.80E-25	0.498177
0.556846	2.19E-39	0.515358	4.83E-33	0.401953	1.46E-19	0.378349	2.43E-17	0.318553
0.348441	8.90E-15	0.409567	2.57E-20	0.141719	0.00214	0.343096	2.40E-14	0.443582
0.395345	6.38E-19	0.207841	5.93E-06	0.053928	0.24478	0.295418	7.37E-11	0.185812
0.566808	4.81E-41	0.61666	2.91E-50	0.31092	6.33E-12	0.540116	1.01E-36	0.624375
0.255696	2.09E-08	0.180282	8.94E-05	-0.07352	0.11258	0.300817	3.19E-11	0.142828
0.369357	1.53E-16	0.285214	3.43E-10	0.338612	5.43E-14	0.089153	0.05419	0.002128
0.47741	5.85E-28	0.376925	3.26E-17	0.386988	3.92E-18	0.151234	0.00104	0.239861
0.665668	4.31E-61	0.706272	9.26E-72	0.60205	2.16E-47	0.444194	5.30E-24	0.505838
0.156307	0.0007	0.277211	1.10E-09	0.139084	0.00259	0.2249	9.10E-07	0.125174
0.523712	2.99E-34	0.709966	8.03E-73	0.439074	1.98E-23	0.490185	1.34E-29	0.575797
0.620335	5.22E-51	0.623829	9.98E-52	0.524615	2.21E-34	0.439912	1.60E-23	0.46496
0.656309	7.23E-59	0.659465	1.31E-59	0.594344	6.16E-46	0.425509	5.84E-22	0.306008
0.367988	2.01E-16	0.311337	5.91E-12	0.101699	0.02798	0.193905	2.45E-05	0.331236

0.506366	8.84E-32	0.523293	3.45E-34	0.330347	2.36E-13	0.447587	2.19E-24	0.583858
0.472729	2.25E-27	0.313413	4.21E-12	0.117645	0.01095	0.279059	8.43E-10	0.103864
0.382631	9.90E-18	0.061417	0.1852	-0.04746	0.30611	0.3009	3.15E-11	0.150932
0.306908	1.21E-11	0.138441	0.00272	-0.15855	0.00058	0.295721	7.04E-11	0.210256
0.661315	4.78E-60	0.636041	2.60E-54	0.545848	1.29E-37	0.563169	1.97E-40	0.545339
0.355426	2.37E-15	0.328188	3.45E-13	0.006894	0.88188	0.304102	1.90E-11	0.222379
0.571213	8.51E-42	0.507971	5.29E-32	0.385331	5.59E-18	0.485105	6.13E-29	0.518243
0.657455	3.90E-59	0.717032	6.71E-75	0.530526	2.93E-35	0.534998	6.17E-36	0.614667
0.651363	1.01E-57	0.732862	8.53E-80	0.763761	1.93E-90	0.423363	9.84E-22	0.501924
0.2719	2.33E-09	0.257783	1.59E-08	0.106101	0.02184	0.222566	1.19E-06	0.105259
0.238413	1.85E-07	0.211121	4.18E-06	0.053351	0.24988	0.222603	1.18E-06	0.032552
0.496934	1.70E-30	0.396133	5.37E-19	0.31597	2.75E-12	0.368701	1.75E-16	0.2251
0.429103	2.42E-22	0.540825	7.86E-37	0.394665	7.41E-19	0.361296	7.59E-16	0.396351
0.625601	4.28E-52	0.70843	2.23E-72	0.54486	1.84E-37	0.466298	1.38E-26	0.441518
0.326426	4.68E-13	0.163344	0.00039	0.207469	6.16E-06	0.222403	1.21E-06	0.156132
0.574188	2.61E-42	0.584815	3.43E-44	0.319714	1.47E-12	0.538849	1.59E-36	0.589571
0.512579	1.20E-32	0.593273	9.74E-46	0.435432	4.98E-23	0.446497	2.91E-24	0.554211
0.309064	8.55E-12	0.350968	5.54E-15	0.041782	0.36765	0.296134	6.60E-11	0.327731
0.620465	4.91E-51	0.62211	2.26E-51	0.628127	1.27E-52	0.445125	4.16E-24	0.361742
0.36284	5.60E-16	0.478955	3.74E-28	0.245436	7.78E-08	0.323485	7.76E-13	0.474852
0.753516	9.77E-87	0.582275	9.80E-44	0.437826	2.72E-23	0.449224	1.42E-24	0.373634
0.5508	2.10E-38	0.747626	1.09E-84	0.570277	1.23E-41	0.37482	5.04E-17	0.420274
0.327195	4.10E-13	0.392505	1.19E-18	0.151832	0.001	0.314235	3.67E-12	0.365885
0.557899	1.47E-39	0.571628	7.22E-42	0.475548	1.00E-27	0.359763	1.02E-15	0.326361
0.566681	5.05E-41	0.671734	1.41E-62	0.490798	1.11E-29	0.426568	4.51E-22	0.425685
0.441007	1.21E-23	0.302389	2.49E-11	0.229794	5.17E-07	0.282931	4.80E-10	0.253563
0.604986	5.88E-48	0.629805	5.61E-53	0.48124	1.92E-28	0.45195	6.90E-25	0.471106
0.473959	1.58E-27	0.684106	1.01E-65	0.516543	3.27E-33	0.431958	1.19E-22	0.406112
0.76696	1.23E-91	0.743283	3.25E-83	0.705803	1.26E-71	0.510661	2.23E-32	0.483665
0.517202	2.63E-33	0.46452	2.26E-26	0.228294	6.16E-07	0.290172	1.64E-10	0.244237
0.596953	2.00E-46	0.609936	6.36E-49	0.312399	4.97E-12	0.488139	2.48E-29	0.48942
0.060503	0.19183	-0.13188	0.00431	-0.23464	2.92E-07	0.0711	0.12496	-0.09879
0.546861	8.90E-38	0.574265	2.53E-42	0.515397	4.76E-33	0.312486	4.90E-12	0.339366
0.482431	1.35E-28	0.557666	1.61E-39	0.296483	6.26E-11	0.472487	2.41E-27	0.577033
0.466663	1.25E-26	0.282562	5.07E-10	0.119249	0.0099	0.409269	2.76E-20	0.305359
0.401897	1.48E-19	0.292628	1.13E-10	0.16129	0.00047	0.285409	3.34E-10	0.409351
0.293779	9.48E-11	0.161865	0.00045	0.157041	0.00066	0.082888	0.07353	0.061786
0.484045	8.39E-29	0.471953	2.80E-27	0.177067	0.00012	0.487439	3.06E-29	0.396179
0.565772	7.20E-41	0.749471	2.53E-85	0.581662	1.26E-43	0.439914	1.60E-23	0.52083
0.637822	1.07E-54	0.686122	3.01E-66	0.762964	3.81E-90	0.399928	2.31E-19	0.348935
0.608182	1.40E-48	0.669215	5.89E-62	0.491296	9.56E-30	0.421605	1.50E-21	0.343469
0.494325	3.80E-30	0.46359	2.93E-26	0.252605	3.13E-08	0.38527	5.66E-18	0.361594
0.474285	1.44E-27	0.649676	2.45E-57	0.49582	2.40E-30	0.312959	4.53E-12	0.389429
0.531021	2.46E-35	0.684672	7.22E-66	0.415757	6.06E-21	0.473949	1.59E-27	0.476663
0.260375	1.13E-08	0.170761	0.00021	0.103158	0.0258	0.08989	0.05223	-0.05868

0.369953	1.36E-16	0.339329	4.77E-14	0.397008	4.42E-19	0.160873	0.00048	-0.04843
0.340351	3.96E-14	0.331695	1.87E-13	0.271916	2.32E-09	0.036778	0.42783	-0.00557
0.626158	3.27E-52	0.539668	1.19E-36	0.584645	3.68E-44	0.326636	4.51E-13	0.16395
0.230361	4.84E-07	0.303787	1.99E-11	0.201236	1.18E-05	0.158152	0.0006	-0.02321
0.277408	1.07E-09	0.321798	1.03E-12	0.10901	0.01845	0.328246	3.41E-13	0.255123
-0.21107	4.21E-06	-0.17713	0.00012	-0.14572	0.00159	-0.21414	3.02E-06	0.003288
-0.20669	6.69E-06	-0.18069	8.61E-05	-0.16353	0.00039	-0.15409	0.00083	-0.03678
0.117268	0.01121	0.236726	2.27E-07	0.242957	1.06E-07	0.044585	0.33635	0.274102
0.107142	0.02057	0.155289	0.00076	0.008042	0.8624	0.133004	0.00399	0.357938
-0.0532	0.25121	-0.18789	4.39E-05	-0.15075	0.00108	-0.1065	0.02135	-0.06929
0.269272	3.36E-09	0.230282	4.88E-07	0.220131	1.56E-06	0.253793	2.68E-08	0.268259
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-0.12071	0.00903	0.022506	0.62759	-0.03534	0.44608	-0.02698	0.56082	0.099685
0.10059	0.02975	0.251822	3.46E-08	0.183658	6.55E-05	0.052744	0.25531	0.257688
-0.25589	2.04E-08	-0.24686	6.51E-08	-0.17314	0.00017	-0.30532	1.56E-11	-0.24175
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-0.31365	4.05E-12	-0.37152	9.88E-17	-0.31229	5.05E-12	-0.26761	4.23E-09	-0.19371
-0.21056	4.44E-06	-0.25726	1.70E-08	-0.2355	2.63E-07	-0.17186	0.00019	-0.07471
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-0.28668	2.76E-10	-0.17776	0.00011	-0.20073	1.24E-05	-0.17815	0.00011	-0.06536
-0.27593	1.32E-09	-0.2704	2.87E-09	-0.26121	1.01E-08	-0.26884	3.57E-09	-0.20639
-0.10484	0.02346	-0.22946	5.37E-07	-0.03013	0.51606	-0.13204	0.00426	-0.11056
-0.01588	0.73209	-0.06525	0.15919	-0.05977	0.19731	-0.00938	0.83983	0.091515
-0.26689	4.66E-09	-0.35408	3.07E-15	-0.37708	3.16E-17	-0.23107	4.45E-07	-0.25533
-0.11977	0.00958	-0.23422	3.07E-07	-0.18361	6.57E-05	-0.16947	0.00023	-0.20385
-0.34913	7.82E-15	-0.26516	5.91E-09	-0.18263	7.20E-05	-0.28796	2.28E-10	-0.20333
-0.30174	2.76E-11	-0.36809	1.97E-16	-0.29851	4.57E-11	-0.33711	7.12E-14	-0.37629
-0.16424	0.00037	-0.30848	9.40E-12	-0.29364	9.68E-11	-0.2774	1.07E-09	-0.15869
-0.27313	1.96E-09	-0.37124	1.04E-16	-0.30448	1.79E-11	-0.20962	4.91E-06	-0.0999
-0.22519	8.81E-07	-0.31551	2.97E-12	-0.18525	5.64E-05	-0.33548	9.53E-14	-0.13458
-0.11541	0.01257	-0.07461	0.10735	0.02851	0.53883	-0.10736	0.02031	-0.05907
-0.12481	0.00692	-0.21522	2.68E-06	-0.01641	0.72353	-0.22743	6.80E-07	-0.17564
-0.31445	3.54E-12	-0.37023	1.28E-16	-0.36333	5.09E-16	-0.23606	2.46E-07	-0.1539
-0.22237	1.21E-06	-0.329	2.99E-13	-0.29103	1.44E-10	-0.20746	6.17E-06	-0.16324
-0.18966	3.70E-05	-0.21768	2.05E-06	-0.21084	4.31E-06	-0.10673	0.02106	-0.03448
0.093725	0.04292	-0.13737	0.00293	-0.0553	0.23296	-0.03792	0.41366	-0.02718
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-0.28683	2.70E-10	-0.43021	1.84E-22	-0.22637	7.69E-07	-0.3033	2.16E-11	-0.20246
-0.13325	0.00392	-0.21194	3.83E-06	-0.06454	0.16382	-0.23694	2.21E-07	-0.11845
0.126972	0.006	0.348706	8.47E-15	0.252701	3.09E-08	0.163294	0.0004	0.362301
-0.30558	1.50E-11	-0.2157	2.55E-06	-0.15128	0.00104	-0.25136	3.67E-08	-0.14562
0.111033	0.01638	-0.13301	0.00398	-0.02016	0.66384	-0.06818	0.14126	-0.05128
-0.31197	5.33E-12	-0.53139	2.17E-35	-0.44542	3.86E-24	-0.28005	7.30E-10	-0.31067

-0.32263	8.97E-13	-0.36062	8.67E-16	-0.43632	3.99E-23	-0.05111	0.27032	-0.0623
-0.26891	3.53E-09	-0.4067	4.99E-20	-0.36212	6.46E-16	-0.22785	6.48E-07	-0.12339
-0.0556	0.2304	-0.4064	5.34E-20	-0.4424	8.43E-24	-0.1605	0.0005	-0.25784
0.336214	8.36E-14	0.357373	1.63E-15	0.392642	1.15E-18	0.045844	0.32288	0.018569
-0.24785	5.74E-08	-0.40866	3.18E-20	-0.44329	6.70E-24	-0.09592	0.03826	-0.27435
-0.00906	0.84513	-0.2615	9.69E-09	-0.34564	1.50E-14	0.001692	0.97091	-0.11188
-0.07213	0.11954	-0.4727	2.26E-27	-0.4651	1.93E-26	-0.17468	0.00015	-0.35986
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-0.25661	1.85E-08	-0.35044	6.11E-15	-0.34616	1.36E-14	-0.24153	1.26E-07	-0.36817
-0.47045	4.29E-27	-0.70354	5.49E-71	-0.63369	8.33E-54	-0.35413	3.04E-15	-0.46118
-0.38772	3.35E-18	-0.52576	1.49E-34	-0.64727	8.58E-57	-0.25894	1.36E-08	-0.34573
-0.24873	5.14E-08	-0.53772	2.37E-36	-0.6526	5.25E-58	-0.16077	0.00049	-0.23754
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-0.46582	1.58E-26	-0.59643	2.51E-46	-0.71925	1.45E-75	-0.29532	7.48E-11	-0.40778
-0.28653	2.82E-10	-0.53539	5.39E-36	-0.61908	9.41E-51	-0.17316	0.00017	-0.22243
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-0.22626	7.78E-07	-0.3447	1.78E-14	-0.61466	7.33E-50	-0.11202	0.01544	-0.23441
-0.2754	1.42E-09	-0.32382	7.33E-13	-0.50989	2.85E-32	0.002074	0.96435	0.140496
-0.42753	3.56E-22	-0.69352	3.23E-68	-0.77013	7.68E-93	-0.34461	1.82E-14	-0.38928
-0.19457	2.30E-05	-0.47364	1.73E-27	-0.49069	1.15E-29	-0.29565	7.12E-11	-0.44493
-0.33552	9.45E-14	-0.40115	1.75E-19	-0.60592	3.88E-48	-0.11139	0.01603	-0.14255
-0.01717	0.71128	-0.43321	8.72E-23	-0.48128	1.90E-28	0.078504	0.09016	-0.14216
-0.22126	1.38E-06	-0.448	1.96E-24	-0.42774	3.38E-22	-0.19424	2.37E-05	-0.2424
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-0.15578	0.00073	-0.4473	2.36E-24	-0.44361	6.16E-24	-0.04178	0.36769	-0.29054
-0.14543	0.00163	-0.25256	3.14E-08	-0.21479	2.81E-06	-0.03204	0.48971	-0.18812
-0.274	1.73E-09	-0.29585	6.90E-11	-0.38579	5.07E-18	-0.09415	0.04198	-0.20411
-0.41528	6.79E-21	-0.70365	5.12E-71	-0.69904	9.95E-70	-0.3777	2.78E-17	-0.44921
-0.18022	8.99E-05	-0.34533	1.59E-14	-0.37882	2.20E-17	-0.09356	0.04328	-0.15125
-0.07351	0.11264	-0.41115	1.78E-20	-0.54745	7.17E-38	-0.05623	0.2252	-0.19413
-0.22457	9.45E-07	-0.24955	4.63E-08	-0.48792	2.65E-29	0.001174	0.97982	0.076781
-0.33791	6.16E-14	-0.494	4.19E-30	-0.56839	2.59E-41	-0.22639	7.67E-07	-0.21662
-0.62647	2.81E-52	-0.69899	1.03E-69	-0.70956	1.05E-72	-0.35849	1.31E-15	-0.42554
-0.13838	0.00273	-0.30133	2.94E-11	-0.35269	4.00E-15	-0.00835	0.85718	-0.17232
-0.32936	2.81E-13	-0.5522	1.25E-38	-0.55512	4.19E-39	-0.27831	9.39E-10	-0.37669
-0.3304	2.34E-13	-0.42904	2.46E-22	-0.48685	3.65E-29	-0.12118	0.00876	-0.13687
-0.19704	1.80E-05	-0.47802	4.91E-28	-0.48032	2.51E-28	-0.18446	6.07E-05	-0.30583
-0.15414	0.00083	-0.38854	2.81E-18	-0.50933	3.43E-32	-0.11055	0.01685	-0.31258
-0.25759	1.63E-08	-0.40549	6.57E-20	-0.45213	6.58E-25	-0.10713	0.02058	-0.24487
-0.27168	2.40E-09	-0.46852	7.39E-27	-0.47105	3.62E-27	-0.314	3.82E-12	-0.36592
0.111209	0.0162	-0.17431	0.00015	-0.21245	3.63E-06	0.115738	0.01232	-0.16231
-0.23262	3.71E-07	-0.46015	7.55E-26	-0.57627	1.13E-42	-0.05036	0.2774	-0.23096
-0.48582	4.96E-29	-0.5159	4.03E-33	-0.68633	2.66E-66	-0.23557	2.61E-07	-0.19339

-0.1759	0.00013	-0.41425	8.64E-21	-0.42241	1.24E-21	-0.1202	0.00932	-0.27846
-0.28905	1.94E-10	-0.35508	2.53E-15	-0.33599	8.70E-14	-0.16465	0.00035	-0.06705
-0.18217	7.52E-05	-0.36914	1.60E-16	-0.33623	8.33E-14	-0.20548	7.59E-06	-0.20611
-0.11097	0.01644	-0.46579	1.59E-26	-0.47661	7.38E-28	-0.2315	4.23E-07	-0.3413
-0.25078	3.95E-08	-0.5527	1.04E-38	-0.56298	2.12E-40	-0.18907	3.92E-05	-0.31593
-0.22733	6.89E-07	-0.37932	1.99E-17	-0.41099	1.85E-20	-0.18969	3.70E-05	-0.36604
-0.05744	0.21533	-0.45471	3.30E-25	-0.50229	3.21E-31	0.001693	0.9709	-0.14899
-0.03054	0.51033	-0.208	5.83E-06	-0.46261	3.84E-26	0.005229	0.91026	-0.10936
-0.0905	0.05064	-0.35345	3.45E-15	-0.34883	8.27E-15	-0.20622	7.02E-06	-0.30662
-0.24778	5.80E-08	-0.25228	3.26E-08	-0.37414	5.78E-17	-0.07485	0.1062	-0.21804
-0.1358	0.00328	-0.32632	4.77E-13	-0.55299	9.30E-39	-0.00361	0.93798	0.038982
-0.04616	0.31952	-0.37608	3.88E-17	-0.38918	2.45E-18	-0.09662	0.03686	-0.33012
-0.5489	4.22E-38	-0.66893	6.90E-62	-0.74524	7.13E-84	-0.28762	2.40E-10	-0.23599
-0.3695	1.49E-16	-0.5491	3.92E-38	-0.56557	7.79E-41	-0.19161	3.07E-05	-0.31865
-0.11885	0.01015	-0.41134	1.71E-20	-0.47076	3.93E-27	-0.11666	0.01164	-0.19119
-0.39964	2.46E-19	-0.40956	2.58E-20	-0.46768	9.37E-27	-0.07784	0.09292	0.062549
-0.31261	4.80E-12	-0.46918	6.14E-27	-0.47595	8.91E-28	-0.20607	7.14E-06	-0.16488
-0.24988	4.44E-08	-0.5343	7.88E-36	-0.46897	6.53E-27	-0.14235	0.00204	-0.21035
-0.13916	0.00258	-0.43766	2.84E-23	-0.52809	6.75E-35	-0.12956	0.00505	-0.12214
-0.22568	8.33E-07	-0.35161	4.91E-15	-0.43295	9.31E-23	-0.12805	0.00558	0.043734
-0.02305	0.61929	-0.39391	8.75E-19	-0.46636	1.35E-26	-0.08138	0.07893	-0.12406
-0.03447	0.45736	-0.41029	2.18E-20	-0.38962	2.23E-18	-0.01707	0.71297	-0.00504
-0.30456	1.76E-11	-0.33817	5.88E-14	-0.58883	6.40E-45	-0.07958	0.08583	-0.15145
-0.39687	4.56E-19	-0.6442	4.20E-56	-0.70113	2.62E-70	-0.24899	4.97E-08	-0.32624
-0.19851	1.55E-05	-0.21269	3.53E-06	-0.41946	2.51E-21	-0.10147	0.02834	-0.11722
-0.1333	0.00391	-0.3056	1.49E-11	-0.33177	1.84E-13	-0.04442	0.33811	-0.04393
-0.07986	0.08471	-0.26127	1.00E-08	-0.46119	5.67E-26	0.070706	0.12706	0.012211
-0.24511	8.11E-08	-0.53734	2.71E-36	-0.57956	2.98E-43	-0.13947	0.00252	-0.2484
-0.49924	8.34E-31	-0.63351	9.10E-54	-0.66653	2.66E-61	-0.38882	2.65E-18	-0.38966
-0.30368	2.03E-11	-0.61834	1.33E-50	-0.71938	1.32E-75	-0.1716	0.00019	-0.2548
-0.5621	2.98E-40	-0.71789	3.71E-75	-0.71582	1.54E-74	-0.44062	1.33E-23	-0.49111
-0.10806	0.0195	-0.28626	2.94E-10	-0.51726	2.58E-33	0.07263	0.11702	0.045893
-0.2802	7.14E-10	-0.50043	5.75E-31	-0.51641	3.41E-33	-0.20084	1.22E-05	-0.23849
-0.15671	0.00068	-0.24697	6.41E-08	-0.57037	1.19E-41	0.030836	0.50622	0.115342
-0.31018	7.14E-12	-0.34287	2.50E-14	-0.35579	2.21E-15	-0.0563	0.22463	0.053646
-0.28465	3.73E-10	-0.33584	8.93E-14	-0.32155	1.08E-12	-0.1991	1.46E-05	-0.05484
-0.41687	4.66E-21	-0.53552	5.14E-36	-0.69739	2.84E-69	-0.30111	3.04E-11	-0.47055
-0.20838	5.60E-06	-0.30397	1.94E-11	-0.35886	1.22E-15	-0.112	0.01546	-0.00224
-0.13109	0.00454	-0.3088	8.94E-12	-0.34765	1.03E-14	-0.12235	0.00812	-0.36751
-0.2296	5.29E-07	-0.3206	1.27E-12	-0.43839	2.36E-23	-0.09479	0.04061	-0.22195
-0.0386	0.40526	-0.38251	1.02E-17	-0.39731	4.14E-19	-0.21517	2.70E-06	-0.34381
-0.21291	3.45E-06	-0.31582	2.83E-12	-0.35527	2.44E-15	-0.19614	1.97E-05	-0.32155
-0.26963	3.20E-09	-0.58489	3.33E-44	-0.55965	7.59E-40	-0.17698	0.00012	-0.23167
-0.18127	8.16E-05	-0.32137	1.11E-12	-0.40542	6.67E-20	-0.14531	0.00164	-0.25638
-0.20908	5.20E-06	-0.46675	1.22E-26	-0.50705	7.10E-32	-0.05775	0.21287	-0.08061

-0.44962	1.28E-24	-0.59779	1.39E-46	-0.61093	4.05E-49	-0.22576	8.25E-07	-0.20903
-0.5983	1.11E-46	-0.71829	2.81E-75	-0.84972	#####	-0.31693	2.35E-12	-0.37337
-0.14568	0.0016	-0.5054	1.20E-31	-0.56219	2.87E-40	-0.11968	0.00963	-0.20468
-0.14863	0.00128	-0.37968	1.84E-17	-0.53219	1.64E-35	-0.02131	0.646	-0.1053
-0.18253	7.27E-05	-0.52012	1.00E-33	-0.58419	4.44E-44	-0.10856	0.01895	-0.20761
-0.06344	0.17109	-0.39174	1.41E-18	-0.44303	7.16E-24	-0.01528	0.74184	-0.19855
-0.04884	0.29221	-0.46784	8.96E-27	-0.39447	7.74E-19	-0.07508	0.10513	-0.11338
-0.21569	2.55E-06	-0.33152	1.92E-13	-0.37067	1.17E-16	-0.17312	0.00017	-0.35282
-0.27132	2.53E-09	-0.23456	2.95E-07	-0.29514	7.69E-11	-0.27822	9.51E-10	-0.27603
0.695057	1.23E-68	0.746736	2.20E-84	0.753478	1.01E-86	0.348324	9.10E-15	0.322001
-0.14169	0.00215	-0.49185	8.07E-30	-0.52323	3.52E-34	-0.29924	4.08E-11	-0.40631
-0.10695	0.0208	-0.44062	1.33E-23	-0.41087	1.90E-20	-0.0912	0.04888	-0.32242
-0.36837	1.87E-16	-0.41009	2.28E-20	-0.40944	2.65E-20	-0.16838	0.00026	-0.0161
-0.09411	0.04208	-0.18613	5.19E-05	-0.39108	1.62E-18	0.042679	0.35744	0.020326
-0.51862	1.64E-33	-0.67173	1.41E-62	-0.6319	2.02E-53	-0.386	4.84E-18	-0.37105
-0.47412	1.51E-27	-0.63067	3.68E-53	-0.57817	5.23E-43	-0.27965	7.74E-10	-0.27359
-0.55323	8.51E-39	-0.71106	3.88E-73	-0.68948	3.91E-67	-0.32494	6.04E-13	-0.43697
-0.19406	2.42E-05	-0.31512	3.17E-12	-0.35179	4.74E-15	-0.17896	0.0001	-0.2584
-0.40892	2.99E-20	-0.46628	1.38E-26	-0.60568	4.31E-48	-0.32492	6.07E-13	-0.39539
-0.08153	0.0784	-0.37842	2.39E-17	-0.49353	4.85E-30	-0.15881	0.00057	-0.32251
-0.18787	4.40E-05	-0.40243	1.31E-19	-0.38993	2.08E-18	-0.26652	4.91E-09	-0.4204
-0.55946	8.14E-40	-0.6654	5.00E-61	-0.79868	#####	-0.39412	8.35E-19	-0.47831
-0.23367	3.27E-07	-0.45096	8.98E-25	-0.44811	1.90E-24	-0.13139	0.00445	-0.25088
-0.20504	7.95E-06	-0.40284	1.20E-19	-0.50282	2.72E-31	-0.18267	7.18E-05	-0.3105
-0.13952	0.00251	-0.28345	4.45E-10	-0.24244	1.13E-07	-0.11383	0.01384	-0.13877
-0.05797	0.21113	-0.30664	1.26E-11	-0.39933	2.64E-19	-0.06607	0.15401	-0.29898
-0.24819	5.50E-08	-0.40682	4.84E-20	-0.43634	3.97E-23	-0.06996	0.13112	-0.04932
-0.21018	4.62E-06	-0.29724	5.57E-11	-0.45516	2.92E-25	-0.15714	0.00065	-0.12031
-0.11051	0.01689	-0.43204	1.17E-22	-0.57181	6.71E-42	-0.08088	0.08081	-0.29161
-0.28259	5.04E-10	-0.39366	9.25E-19	-0.40795	3.74E-20	-0.10131	0.02859	0.064392
-0.19954	1.40E-05	-0.0834	0.07178	-0.2937	9.59E-11	0.052651	0.25615	0.214766
-0.27685	1.16E-09	-0.34281	2.53E-14	-0.28367	4.31E-10	-0.11564	0.01239	-0.11395
0.167929	0.00027	0.336599	7.80E-14	0.359999	9.78E-16	0.11734	0.01116	0.16895
-0.44153	1.05E-23	-0.48605	4.62E-29	-0.70426	3.44E-71	-0.23259	3.72E-07	-0.15815
-0.27632	1.25E-09	-0.48608	4.58E-29	-0.67866	2.56E-64	-0.17367	0.00016	-0.19784
-0.18883	4.01E-05	-0.63137	2.61E-53	-0.56369	1.61E-40	-0.16697	0.00029	-0.4536
-0.05879	0.20474	-0.33611	8.51E-14	-0.48902	1.90E-29	-0.09625	0.03759	-0.05279
0.168595	0.00025	0.311025	6.22E-12	0.385661	5.21E-18	0.044141	0.3412	0.153739
-0.12834	0.00548	-0.37157	9.77E-17	-0.59206	1.63E-45	-0.02797	0.54657	-0.00143
-0.20965	4.89E-06	-0.41624	5.42E-21	-0.51908	1.41E-33	-0.27363	1.83E-09	-0.32893
-0.24807	5.58E-08	-0.39461	7.50E-19	-0.48451	7.31E-29	-0.14356	0.00187	-0.29345
-0.21951	1.67E-06	-0.34545	1.56E-14	-0.32997	2.53E-13	-0.08142	0.0788	-0.03284
-0.16894	0.00025	-0.23381	3.22E-07	-0.36541	3.37E-16	-0.08998	0.05198	-0.22351
0.326598	4.54E-13	0.360755	8.44E-16	0.451211	8.40E-25	-0.043	0.35385	-0.13052
-0.21138	4.07E-06	-0.5124	1.27E-32	-0.51183	1.52E-32	-0.16755	0.00028	-0.35433



-0.45689	1.83E-25	-0.63966	4.22E-55	-0.67571	1.43E-63	-0.22733	6.88E-07	-0.26937
0.010004	0.82929	-0.37074	1.16E-16	-0.3891	2.49E-18	-0.15204	0.00098	-0.36248
-0.23766	2.03E-07	-0.37809	2.56E-17	-0.40082	1.89E-19	-0.10094	0.02918	-0.09289
0.624534	7.13E-52	0.75022	1.39E-85	0.818614	#####	0.362503	5.99E-16	0.358144
-0.08645	0.06194	-0.51979	1.11E-33	-0.47646	7.71E-28	-0.23614	2.44E-07	-0.36
-0.1418	0.00213	-0.47799	4.95E-28	-0.56706	4.36E-41	-0.18893	3.97E-05	-0.35144
-0.25016	4.28E-08	-0.37547	4.41E-17	-0.51261	1.18E-32	-0.01222	0.79221	0.068851
0.114171	0.01356	-0.1161	0.01205	-0.26253	8.44E-09	0.121908	0.00836	0.012449
-0.03473	0.45405	-0.4069	4.76E-20	-0.39197	1.34E-18	-0.09786	0.03451	-0.32845
0.531127	2.38E-35	0.76182	1.00E-89	0.708477	2.16E-72	0.374991	4.86E-17	0.512358
-0.29982	3.73E-11	-0.40493	7.46E-20	-0.4008	1.90E-19	-0.25126	3.72E-08	-0.34051
-0.25086	3.91E-08	-0.30042	3.39E-11	-0.24724	6.21E-08	-0.04983	0.28255	-0.01573
-0.28068	6.67E-10	-0.48932	1.74E-29	-0.55242	1.15E-38	-0.25828	1.49E-08	-0.40902
-0.26949	3.26E-09	-0.47023	4.56E-27	-0.49782	1.30E-30	-0.10775	0.01986	-0.30909
-0.10652	0.02132	-0.42427	7.89E-22	-0.4655	1.72E-26	-0.00149	0.97443	0.022695
-0.10485	0.02346	-0.46042	7.00E-26	-0.38709	3.84E-18	-0.19813	1.61E-05	-0.29037
-0.36837	1.87E-16	-0.65946	1.31E-59	-0.7208	4.93E-76	-0.36838	1.86E-16	-0.46863
-0.24228	1.15E-07	-0.57187	6.57E-42	-0.64313	7.27E-56	-0.21033	4.55E-06	-0.30946
-0.00708	0.87876	-0.21096	4.25E-06	-0.43543	4.99E-23	0.047788	0.30276	0.054212
-0.12592	0.00643	-0.3666	2.66E-16	-0.57229	5.56E-42	-0.11591	0.01219	-0.09654
-0.2974	5.43E-11	-0.49286	5.95E-30	-0.52719	9.19E-35	-0.2661	5.20E-09	-0.37148
-0.17774	0.00011	-0.31211	5.21E-12	-0.49245	6.73E-30	-0.06242	0.17812	-0.04315
-0.51769	2.24E-33	-0.68645	2.48E-66	-0.71438	4.11E-74	-0.26985	3.10E-09	-0.29783
-0.38055	1.53E-17	-0.49865	1.00E-30	-0.64884	3.79E-57	-0.19811	1.61E-05	-0.20781
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0.044614	0.33604	-0.17996	9.21E-05	-0.41676	4.78E-21	-0.02045	0.65929	0.005115
-0.04334	0.35002	-0.3846	6.53E-18	-0.39544	6.25E-19	-0.20929	5.08E-06	-0.27586
-0.58268	8.31E-44	-0.66084	6.19E-60	-0.70176	1.75E-70	-0.30045	3.37E-11	-0.2596
-0.4052	7.02E-20	-0.51544	4.70E-33	-0.68981	3.20E-67	-0.19854	1.55E-05	-0.29679
-0.18716	4.70E-05	-0.26695	4.63E-09	-0.32699	4.24E-13	-0.15366	0.00086	-0.29187
-0.27871	8.86E-10	-0.43989	1.61E-23	-0.53539	5.38E-36	-0.13301	0.00398	-0.08403
-0.28963	1.78E-10	-0.34934	7.52E-15	-0.59879	9.02E-47	-0.11201	0.01545	-0.05914
-0.2004	1.28E-05	-0.24512	8.09E-08	-0.33746	6.69E-14	-0.0953	0.03953	-0.20244
-0.06965	0.13286	-0.27008	3.00E-09	-0.33121	2.03E-13	-0.16794	0.00027	-0.29962
0.294839	8.06E-11	0.287369	2.49E-10	0.313903	3.88E-12	0.110111	0.0173	0.122539
-0.10477	0.02356	-0.33013	2.46E-13	-0.30876	8.98E-12	-0.21265	3.55E-06	-0.37389
-0.15791	0.00062	-0.30797	1.02E-11	-0.32396	7.16E-13	-0.16535	0.00033	-0.17512
-0.15741	0.00064	-0.31933	1.57E-12	-0.33962	4.52E-14	-0.20138	1.16E-05	-0.35154
-0.0881	0.05712	-0.38169	1.21E-17	-0.35599	2.12E-15	-0.04742	0.30645	-0.17504
-0.32114	1.16E-12	-0.46245	4.01E-26	-0.64907	3.36E-57	-0.12994	0.00492	-0.2212
-0.26225	8.76E-09	-0.50004	6.49E-31	-0.63193	1.99E-53	-0.16425	0.00037	-0.41124
-0.58086	1.75E-43	-0.76513	5.97E-91	-0.72051	6.04E-76	-0.46287	3.57E-26	-0.57475
-0.4483	1.81E-24	-0.72749	4.29E-78	-0.68638	2.58E-66	-0.2871	2.60E-10	-0.44448
-0.03498	0.45072	-0.42853	2.79E-22	-0.464	2.61E-26	-0.12124	0.00873	-0.31072
-0.2125	3.61E-06	-0.3739	6.08E-17	-0.4144	8.34E-21	-0.01821	0.69469	0.176595

-0.17445	0.00015	-0.33687	7.43E-14	-0.42916	2.38E-22	-0.22802	6.35E-07	-0.213
-0.40792	3.76E-20	-0.42616	4.99E-22	-0.68281	2.19E-65	-0.19015	3.54E-05	-0.13758
-0.05972	0.19769	-0.32948	2.75E-13	-0.45703	1.76E-25	0.022542	0.62705	-0.05341
-0.61457	7.64E-50	-0.76093	2.13E-89	-0.76964	1.19E-92	-0.39739	4.06E-19	-0.51166
-0.50898	3.82E-32	-0.65831	2.45E-59	-0.80531	#####	-0.27582	1.34E-09	-0.23229
-0.66156	4.17E-60	-0.73363	4.83E-80	-0.71395	5.52E-74	-0.38821	3.02E-18	-0.43065
-0.14415	0.00179	-0.36032	9.18E-16	-0.46173	4.90E-26	0.036351	0.43321	0.008422
-0.22563	8.37E-07	-0.47704	6.51E-28	-0.68542	4.61E-66	-0.12527	0.00672	-0.1074
-0.28737	2.49E-10	-0.54302	3.58E-37	-0.50192	3.60E-31	-0.25882	1.39E-08	-0.40823
-0.30799	1.02E-11	-0.59912	7.79E-47	-0.59314	1.03E-45	-0.20362	9.20E-06	-0.38272
-0.15969	0.00053	-0.397	4.42E-19	-0.56049	5.50E-40	-0.0012	0.9794	-0.16242
-0.00775	0.86727	-0.11578	0.01229	-0.36881	1.71E-16	0.089963	0.05203	0.202556
-0.49375	4.53E-30	-0.76608	2.64E-91	-0.74659	2.48E-84	-0.47543	1.04E-27	-0.59598
-0.15638	0.0007	-0.40349	1.03E-19	-0.4932	5.36E-30	-0.20905	5.21E-06	-0.37427
-0.13559	0.00333	-0.1031	0.02588	-0.44163	1.03E-23	0.113205	0.01438	0.275641
-0.50115	4.60E-31	-0.64398	4.69E-56	-0.68966	3.49E-67	-0.23341	3.38E-07	-0.31877
-0.33613	8.48E-14	-0.67288	7.30E-63	-0.63177	2.15E-53	-0.36468	3.90E-16	-0.47945
-0.56647	5.49E-41	-0.80354	#####	-0.67644	9.34E-64	-0.46058	6.71E-26	-0.52969
-0.28171	5.74E-10	-0.45291	5.34E-25	-0.45722	1.67E-25	-0.16296	0.00041	-0.21039
-0.21332	3.30E-06	-0.4883	2.36E-29	-0.59924	7.41E-47	-0.21989	1.60E-06	-0.44127
-0.20056	1.26E-05	-0.53243	1.51E-35	-0.61164	2.92E-49	-0.18722	4.68E-05	-0.2647
-0.27766	1.03E-09	-0.27349	1.86E-09	-0.39645	5.00E-19	-0.16549	0.00033	-0.19579
-0.14884	0.00126	-0.4144	8.34E-21	-0.53578	4.69E-36	-0.03339	0.47157	0.045817
-0.1451	0.00167	-0.41175	1.55E-20	-0.53047	2.99E-35	-0.09243	0.04588	-0.22997
-0.3286	3.21E-13	-0.53268	1.39E-35	-0.50665	8.09E-32	-0.19766	1.69E-05	-0.35843
-0.12067	0.00905	-0.54815	5.55E-38	-0.56722	4.09E-41	-0.22738	6.85E-07	-0.41631
0.201803	1.11E-05	0.358635	1.28E-15	0.353191	3.63E-15	0.04332	0.35026	0.233556
-0.15123	0.00104	-0.44687	2.64E-24	-0.57311	4.01E-42	-0.07997	0.08431	-0.14248
-0.14252	0.00202	-0.51315	9.95E-33	-0.53718	2.86E-36	-0.13885	0.00264	-0.40402
0.244609	8.63E-08	0.349812	6.88E-15	0.442701	7.80E-24	0.121525	0.00857	0.260274
-0.18516	5.69E-05	-0.282	5.50E-10	-0.43183	1.23E-22	-0.14312	0.00193	-0.22782
-0.27941	8.01E-10	-0.24865	5.19E-08	-0.31192	5.38E-12	-0.08595	0.06349	-0.09169
-0.13408	0.0037	-0.36021	9.39E-16	-0.63609	2.54E-54	-0.03405	0.46295	0.001028
0.08153	0.07839	-0.36071	8.51E-16	-0.48348	9.92E-29	-0.04227	0.36208	-0.21879
-0.20389	8.95E-06	-0.2487	5.15E-08	-0.4938	4.46E-30	-0.05817	0.20958	0.017395
-0.21986	1.61E-06	-0.46801	8.55E-27	-0.53681	3.27E-36	-0.16301	0.0004	-0.38657
-0.38099	1.40E-17	-0.42472	7.08E-22	-0.65666	5.99E-59	-0.26902	3.48E-09	-0.28784
-0.45127	8.27E-25	-0.68082	7.16E-65	-0.68204	3.49E-65	-0.22626	7.78E-07	-0.2917
-0.20542	7.64E-06	-0.40041	2.07E-19	-0.33749	6.65E-14	-0.1586	0.00058	-0.17215
-0.20477	8.17E-06	-0.3623	6.23E-16	-0.34437	1.90E-14	-0.03137	0.49892	-0.17257
-0.09612	0.03786	-0.41391	9.37E-21	-0.38933	2.37E-18	-0.15383	0.00085	-0.37554
-0.21012	4.66E-06	-0.21165	3.95E-06	-0.49324	5.29E-30	-0.05855	0.2066	-0.13347
-0.29278	1.10E-10	-0.39547	6.21E-19	-0.49972	7.17E-31	-0.16837	0.00026	-0.26594
-0.05419	0.24252	-0.48052	2.37E-28	-0.42221	1.30E-21	-0.10877	0.01871	-0.27605
-0.21289	3.46E-06	-0.44522	4.06E-24	-0.52869	5.49E-35	-0.06558	0.1571	-0.17005

-0.15548	0.00075	-0.26024	1.15E-08	-0.39897	2.86E-19	-0.03846	0.40704	-0.13787
-0.07365	0.11197	-0.35348	3.44E-15	-0.41664	4.92E-21	-0.17923	9.84E-05	-0.34193
-0.58215	1.03E-43	-0.67342	5.37E-63	-0.80597	#####	-0.32347	7.77E-13	-0.42283
-0.34712	1.14E-14	-0.55035	2.48E-38	-0.59852	1.01E-46	-0.21102	4.23E-06	-0.30029
-0.21545	2.62E-06	-0.57488	1.97E-42	-0.6592	1.51E-59	-0.19055	3.40E-05	-0.35686
-0.23696	2.21E-07	-0.36196	6.66E-16	-0.50508	1.33E-31	-0.23815	1.91E-07	-0.35853
-0.29348	9.92E-11	-0.35192	4.62E-15	-0.47874	3.98E-28	-0.07927	0.08704	-0.06698
-0.07776	0.09327	-0.29127	1.39E-10	-0.26843	3.78E-09	0.071631	0.12216	-0.04717
-0.13755	0.00289	-0.36178	6.90E-16	-0.38108	1.37E-17	-0.17935	9.74E-05	-0.31561
-0.21618	2.42E-06	-0.44326	6.75E-24	-0.54619	1.14E-37	-0.18751	4.55E-05	-0.26067
-0.4477	2.12E-24	-0.56959	1.61E-41	-0.71751	4.81E-75	-0.2679	4.06E-09	-0.3269
-0.26909	3.44E-09	-0.43498	5.58E-23	-0.57681	9.09E-43	-0.05797	0.21112	0.002203
-0.35779	1.50E-15	-0.46367	2.86E-26	-0.5197	1.15E-33	-0.15101	0.00106	-0.20478
-0.22052	1.49E-06	-0.21279	3.49E-06	-0.47186	2.88E-27	-0.0607	0.19038	-0.18867
-0.25503	2.28E-08	-0.47168	3.03E-27	-0.59085	2.73E-45	-0.14602	0.00156	-0.2819
-0.44037	1.42E-23	-0.71437	4.14E-74	-0.69174	9.74E-68	-0.37446	5.42E-17	-0.4557
-0.25385	2.66E-08	-0.64082	2.36E-55	-0.64337	6.43E-56	-0.17146	0.0002	-0.36068
-0.22432	9.72E-07	-0.58734	1.20E-44	-0.60719	2.19E-48	-0.24439	8.87E-08	-0.33955
-0.10931	0.01813	-0.43128	1.41E-22	-0.36197	6.66E-16	-0.36342	5.00E-16	-0.31016
-0.20861	5.47E-06	-0.52395	2.76E-34	-0.63337	9.77E-54	-0.26655	4.89E-09	-0.30584
-0.195	2.20E-05	-0.37621	3.78E-17	-0.58874	6.64E-45	-0.03868	0.40436	-0.12181
-0.42927	2.32E-22	-0.60844	1.25E-48	-0.64277	8.70E-56	-0.19772	1.68E-05	-0.2666
-0.02633	0.57038	-0.27213	2.26E-09	-0.45511	2.96E-25	0.03734	0.4208	0.059552
-0.04925	0.28821	-0.1787	0.0001	-0.37389	6.09E-17	-0.09302	0.04451	-0.02702
-0.27403	1.73E-09	-0.50909	3.70E-32	-0.46693	1.16E-26	-0.23056	4.73E-07	-0.32739
-0.2487	5.16E-08	-0.33061	2.26E-13	-0.22611	7.92E-07	-0.1286	0.00538	-0.1363
-0.37285	7.53E-17	-0.45808	1.32E-25	-0.46886	6.73E-27	-0.24174	1.23E-07	-0.16992
-0.12749	0.0058	-0.50851	4.45E-32	-0.46948	5.65E-27	-0.11658	0.0117	-0.21002
-0.26696	4.62E-09	-0.29415	8.95E-11	-0.31545	3.00E-12	-0.25749	1.65E-08	-0.29432
-0.37086	1.13E-16	-0.51981	1.11E-33	-0.48721	3.27E-29	-0.32422	6.84E-13	-0.14916
0.213185	3.35E-06	0.435339	5.10E-23	0.478341	4.47E-28	0.102266	0.02711	0.132335
-0.23085	4.57E-07	-0.26971	3.16E-09	-0.54297	3.64E-37	-0.01821	0.69469	0.026464
0.004079	0.92994	-0.42526	6.20E-22	-0.41548	6.48E-21	-0.13285	0.00403	-0.32208
-0.25541	2.17E-08	-0.30855	9.30E-12	-0.23134	4.31E-07	-0.13069	0.00467	-0.14739
-0.29594	6.81E-11	-0.54413	2.39E-37	-0.43321	8.72E-23	-0.22471	9.31E-07	-0.3467
-0.49188	8.01E-30	-0.75256	2.13E-86	-0.72501	2.52E-77	-0.38117	1.35E-17	-0.48173
-0.06828	0.14069	-0.39625	5.23E-19	-0.42952	2.18E-22	-0.00458	0.92136	-0.14264
-0.59266	1.26E-45	-0.82777	#####	-0.77648	2.60E-95	-0.44764	2.16E-24	-0.57322
-0.1888	4.03E-05	-0.23262	3.71E-07	-0.39513	6.70E-19	-0.051	0.27137	-0.20301
-0.10078	0.02944	-0.17635	0.00013	-0.30222	2.55E-11	0.010227	0.82554	-0.27467
0.037889	0.41399	-0.43143	1.36E-22	-0.44225	8.76E-24	-0.03937	0.39596	-0.18265
-0.26365	7.26E-09	-0.43066	1.64E-22	-0.62028	5.36E-51	-0.18627	5.12E-05	-0.3545
-0.14392	0.00182	-0.32938	2.80E-13	-0.36939	1.52E-16	-0.14309	0.00194	-0.16563
-0.39426	8.10E-19	-0.56028	5.96E-40	-0.68208	3.40E-65	-0.20677	6.63E-06	-0.22564
-0.05587	0.2282	-0.44276	7.67E-24	-0.41235	1.35E-20	-0.08034	0.08285	-0.24388

-0.13505	0.00345	-0.42525	6.22E-22	-0.4394	1.82E-23	-0.11885	0.01015	-0.30513
-0.15427	0.00082	-0.49251	6.61E-30	-0.5141	7.29E-33	-0.22787	6.47E-07	-0.47452
0.050837	0.27292	0.031434	0.498	-0.27725	1.09E-09	0.171254	0.0002	0.33879
-0.16977	0.00023	-0.39133	1.54E-18	-0.54873	4.50E-38	-0.16501	0.00034	-0.2717
-0.53322	1.15E-35	-0.65929	1.44E-59	-0.56187	3.25E-40	-0.34661	1.25E-14	-0.47407
-0.27082	2.71E-09	-0.2969	5.86E-11	-0.5792	3.45E-43	0.065397	0.15825	0.222451
-0.65822	2.58E-59	-0.67948	1.58E-64	-0.75354	9.60E-87	-0.32349	7.75E-13	-0.24729
-0.3499	6.77E-15	-0.4297	2.09E-22	-0.65782	3.19E-59	-0.11029	0.01711	-0.15864
-0.36483	3.78E-16	-0.40626	5.51E-20	-0.61246	2.01E-49	-0.15505	0.00077	-0.20703
0.204355	8.53E-06	0.353521	3.41E-15	0.419489	2.50E-21	0.056805	0.22048	0.060368
-0.25007	4.33E-08	-0.4107	1.98E-20	-0.43934	1.85E-23	-0.09816	0.03395	-0.12984
-0.25545	2.16E-08	-0.36928	1.56E-16	-0.46794	8.72E-27	-0.07356	0.11239	-0.1905
-0.1453	0.00164	-0.29814	4.84E-11	-0.44119	1.15E-23	-0.20335	9.46E-06	-0.17877
-0.18139	8.07E-05	-0.46624	1.40E-26	-0.48407	8.33E-29	-0.19366	2.51E-05	-0.33212
-0.29064	1.53E-10	-0.59882	8.88E-47	-0.66011	9.21E-60	-0.26009	1.17E-08	-0.51235
-0.23828	1.88E-07	-0.49982	6.96E-31	-0.6143	8.67E-50	-0.15367	0.00086	-0.31396
-0.14971	0.00117	-0.37814	2.54E-17	-0.54456	2.05E-37	-0.06956	0.13337	-0.20309
-0.37209	8.81E-17	-0.52233	4.77E-34	-0.6061	3.57E-48	-0.16026	0.00051	-0.12029
-0.156	0.00072	-0.25385	2.66E-08	-0.48126	1.90E-28	-0.01452	0.75436	-0.08076
-0.45053	1.01E-24	-0.73466	2.25E-80	-0.76001	4.61E-89	-0.31675	2.42E-12	-0.34116
-0.16535	0.00033	-0.29188	1.27E-10	-0.41022	2.21E-20	-0.00026	0.99552	-0.01238
-0.43415	6.89E-23	-0.68271	2.34E-65	-0.61693	2.56E-50	-0.42432	7.81E-22	-0.50953
-0.1754	0.00014	-0.32394	7.17E-13	-0.48771	2.82E-29	-0.09722	0.0357	-0.0537
-0.30343	2.11E-11	-0.53062	2.83E-35	-0.53361	1.00E-35	-0.26501	6.03E-09	-0.3773
-0.29375	9.52E-11	-0.40094	1.84E-19	-0.48011	2.67E-28	-0.16593	0.00032	-0.14636
-0.20488	8.08E-06	-0.44738	2.31E-24	-0.57809	5.41E-43	-0.15108	0.00106	-0.09931
-0.47639	7.85E-28	-0.67938	1.68E-64	-0.77512	8.93E-95	-0.34161	3.15E-14	-0.43129
0.195915	2.01E-05	-0.15265	0.00093	-0.30199	2.65E-11	0.143771	0.00184	-0.02564
0.078704	0.08934	-0.35549	2.34E-15	-0.39658	4.86E-19	-0.14313	0.00193	-0.21872
-0.50431	1.70E-31	-0.58723	1.25E-44	-0.55709	2.00E-39	-0.30634	1.33E-11	-0.28824
-0.66672	2.39E-61	-0.81801	#####	-0.7781	5.95E-96	-0.42695	4.11E-22	-0.53743
-0.43743	3.01E-23	-0.64929	2.99E-57	-0.71237	1.60E-73	-0.26917	3.41E-09	-0.31338
-0.24938	4.73E-08	-0.51764	2.27E-33	-0.50853	4.43E-32	-0.22608	7.95E-07	-0.36256
0.112094	0.01537	-0.26006	1.18E-08	-0.26679	4.73E-09	0.077207	0.09562	-0.12484
-0.15923	0.00055	-0.41383	9.53E-21	-0.44979	1.22E-24	-0.16413	0.00037	-0.26769
-0.15261	0.00094	-0.41706	4.46E-21	-0.42061	1.91E-21	-0.30365	2.04E-11	-0.41439
-0.20208	1.08E-05	-0.5158	4.17E-33	-0.53241	1.52E-35	-0.13929	0.00256	-0.22414
-0.30968	7.74E-12	-0.44536	3.92E-24	-0.4784	4.39E-28	-0.15442	0.00081	-0.11062
-0.31155	5.71E-12	-0.38162	1.22E-17	-0.51989	1.08E-33	-0.31798	1.97E-12	-0.27965
-0.28025	7.09E-10	-0.52328	3.46E-34	-0.59877	9.09E-47	-0.1411	0.00224	-0.14306
-0.18122	8.21E-05	-0.34794	9.78E-15	-0.28149	5.92E-10	-0.10281	0.0263	-0.25964
-0.02453	0.597	-0.2044	8.49E-06	-0.36858	1.79E-16	-0.00968	0.83479	-0.01909
-0.31376	3.97E-12	-0.51219	1.36E-32	-0.49634	2.04E-30	-0.26634	5.03E-09	-0.31678
-0.15362	0.00087	-0.26057	1.10E-08	-0.27707	1.12E-09	0.035189	0.44807	-0.0792
-0.06928	0.13493	-0.37291	7.44E-17	-0.40239	1.33E-19	-0.26279	8.15E-09	-0.29458

-0.1889	3.99E-05	-0.56832	2.67E-41	-0.60206	2.15E-47	-0.19523	2.15E-05	-0.37429
-0.1389	0.00263	-0.48977	1.52E-29	-0.41814	3.45E-21	-0.14947	0.0012	-0.11818
-0.25628	1.94E-08	-0.42158	1.51E-21	-0.43712	3.25E-23	-0.14188	0.00212	-0.24442
-0.46326	3.21E-26	-0.55994	6.79E-40	-0.66995	3.87E-62	-0.36517	3.54E-16	-0.4229
-0.13699	0.00301	-0.22894	5.71E-07	-0.5015	4.12E-31	0.121089	0.00881	0.236963
-0.1179	0.01077	-0.42746	3.62E-22	-0.5064	8.74E-32	0.021178	0.64805	-0.01792
-0.10327	0.02564	-0.21753	2.08E-06	-0.36292	5.52E-16	0.018928	0.68328	-0.10906
-0.14673	0.00147	-0.3379	6.18E-14	-0.37308	7.19E-17	-0.21947	1.68E-06	-0.30115
-0.36194	6.69E-16	-0.45418	3.80E-25	-0.62893	8.59E-53	-0.25708	1.74E-08	-0.23335
-0.06565	0.15666	-0.45237	6.17E-25	-0.45831	1.25E-25	-0.16521	0.00034	-0.23417
-0.13959	0.0025	-0.17251	0.00018	-0.37325	6.95E-17	0.036523	0.43104	0.104656
-0.26291	8.01E-09	-0.4082	3.53E-20	-0.46019	7.47E-26	-0.13443	0.00361	-0.21179
-0.39721	4.22E-19	-0.47282	2.19E-27	-0.60317	1.32E-47	-0.25486	2.33E-08	-0.40145
-0.47955	3.14E-28	-0.69948	7.51E-70	-0.71822	2.96E-75	-0.39071	1.76E-18	-0.47795
-0.41592	5.83E-21	-0.63047	4.06E-53	-0.73468	2.22E-80	-0.16869	0.00025	-0.15654
-0.10658	0.02124	-0.44207	9.19E-24	-0.49939	7.96E-31	-0.02292	0.62127	-0.12703
-0.15426	0.00082	-0.30308	2.23E-11	-0.39664	4.79E-19	-0.16869	0.00025	-0.15522
-0.14812	0.00133	-0.33461	1.11E-13	-0.30565	1.48E-11	-0.14279	0.00198	-0.28495
0.140539	0.00233	-0.29428	8.78E-11	-0.27228	2.21E-09	0.100657	0.02964	0.019533
-0.21876	1.82E-06	-0.36719	2.36E-16	-0.57278	4.58E-42	-0.12437	0.00712	-0.13355
-0.27146	2.48E-09	-0.56741	3.80E-41	-0.54876	4.44E-38	-0.15499	0.00078	-0.17035
-0.02101	0.65061	-0.44677	2.71E-24	-0.39185	1.37E-18	-0.20676	6.64E-06	-0.464
-0.07788	0.09277	-0.39893	2.88E-19	-0.3726	7.93E-17	-0.25819	1.51E-08	-0.48007
-0.21661	2.30E-06	-0.30556	1.50E-11	-0.60918	8.94E-49	-0.10016	0.03045	0.000927
-0.10432	0.02417	-0.40093	1.84E-19	-0.41112	1.79E-20	-0.06708	0.14783	-0.20288
0.40541	6.69E-20	0.737023	3.85E-81	0.667746	1.35E-61	0.340475	3.87E-14	0.507398
-0.13094	0.00459	-0.1289	0.00528	-0.34839	8.98E-15	0.038959	0.40092	0.053915
-0.18288	7.04E-05	-0.36376	4.68E-16	-0.42808	3.11E-22	-0.02213	0.63328	-0.00626
-0.04918	0.28884	-0.39773	3.77E-19	-0.48004	2.73E-28	-0.10898	0.01849	-0.25342
-0.3005	3.35E-11	-0.50067	5.34E-31	-0.42742	3.66E-22	-0.29335	1.01E-10	-0.40566
-0.02331	0.61542	-0.17137	0.0002	-0.12942	0.00509	-0.00348	0.94017	-0.20693
-0.54081	7.91E-37	-0.64088	2.28E-55	-0.69266	5.51E-68	-0.30089	3.15E-11	-0.41438
-0.61118	3.61E-49	-0.55933	8.58E-40	-0.75444	4.60E-87	-0.2716	2.43E-09	-0.25148
0.027746	0.54978	0.306961	1.20E-11	0.36711	2.40E-16	0.062532	0.17733	0.115977
0.139438	0.00253	0.417898	3.65E-21	0.495677	2.51E-30	0.15537	0.00075	0.213399
0.134022	0.00371	0.160586	0.00049	0.26688	4.67E-09	0.103959	0.02466	0.215157
0.153461	0.00088	0.32805	3.53E-13	0.410397	2.12E-20	0.069522	0.13357	0.229726
-0.00414	0.92895	0.30846	9.43E-12	0.34731	1.10E-14	0.072679	0.11677	0.058826
0.126257	0.00629	0.411328	1.71E-20	0.528443	5.99E-35	0.133708	0.0038	0.176263
0.130087	0.00487	0.441717	1.01E-23	0.524812	2.06E-34	0.177315	0.00012	0.258276
-0.0407	0.38018	0.101947	0.0276	0.21192	3.84E-06	-0.00299	0.94863	-0.02803
-0.06624	0.15297	0.16195	0.00044	0.25708	1.74E-08	0.062977	0.17426	-0.02126
-0.14709	0.00144	0.069398	0.13426	0.211957	3.82E-06	-0.12892	0.00527	-0.15539
0.113465	0.01415	0.393924	8.72E-19	0.487482	3.02E-29	0.111467	0.01596	0.178143
0.161624	0.00045	0.449256	1.41E-24	0.542309	4.62E-37	0.177296	0.00012	0.218685

-0.0123	0.79089	0.347679	1.03E-14	0.296284	6.45E-11	0.043455	0.34876	0.212638
0.198404	1.57E-05	0.33081	2.18E-13	0.411258	1.74E-20	0.132489	0.00413	0.135929
0.089966	0.05203	0.235345	2.68E-07	0.253806	2.68E-08	0.095937	0.03822	0.144795
0.135951	0.00324	0.444688	4.66E-24	0.583278	6.48E-44	0.158606	0.00058	0.209541
0.273381	1.89E-09	0.404891	7.53E-20	0.565565	7.80E-41	0.187847	4.41E-05	0.08588
0.07518	0.10467	0.331776	1.84E-13	0.442267	8.73E-24	0.078861	0.0887	0.141821
0.168419	0.00026	0.407579	4.07E-20	0.480067	2.70E-28	0.145164	0.00166	0.198787
0.106448	0.02141	0.425951	5.24E-22	0.542877	3.76E-37	0.129407	0.0051	0.184566
0.141292	0.00221	0.45698	1.79E-25	0.593323	9.53E-46	0.172735	0.00018	0.184466
0.072272	0.11884	0.337633	6.48E-14	0.42887	2.56E-22	0.146214	0.00153	0.145001
0.07792	0.09259	0.235741	2.56E-07	0.282982	4.77E-10	0.071246	0.12418	0.103761
0.024463	0.59797	0.234585	2.94E-07	0.378253	2.48E-17	0.040665	0.3806	0.014447
0.210593	4.43E-06	0.417578	3.94E-21	0.539134	1.44E-36	0.212182	3.73E-06	0.247436
0.092975	0.04463	0.408352	3.41E-20	0.506286	9.07E-32	0.158006	0.00061	0.216409
0.153074	0.0009	0.444302	5.15E-24	0.558623	1.12E-39	0.18271	7.15E-05	0.197742
0.120824	0.00896	0.413731	9.76E-21	0.523933	2.78E-34	0.137039	0.003	0.187788
0.082829	0.07374	0.174418	0.00015	0.251432	3.64E-08	0.040029	0.38811	0.038372
0.14482	0.0017	0.417055	4.46E-21	0.493095	5.53E-30	0.170131	0.00022	0.167371
0.150952	0.00107	0.467904	8.80E-27	0.594551	5.63E-46	0.173753	0.00016	0.202258
0.235361	2.68E-07	0.343226	2.34E-14	0.477982	4.96E-28	0.070968	0.12566	0.043634
0.178237	0.00011	0.414872	7.47E-21	0.469094	6.30E-27	0.149466	0.0012	0.172294
0.22805	6.33E-07	0.473796	1.66E-27	0.512666	1.16E-32	0.19262	2.78E-05	0.312781
0.009215	0.84257	0.24078	1.39E-07	0.346607	1.25E-14	0.070528	0.12802	0.078922
0.097791	0.03463	0.386973	3.94E-18	0.426795	4.26E-22	0.112094	0.01537	0.10083
0.38711	3.82E-18	0.557309	1.84E-39	0.725753	1.49E-77	0.161533	0.00046	0.127894
0.174113	0.00016	0.502964	2.60E-31	0.634028	7.06E-54	0.190431	3.44E-05	0.226948
0.107903	0.01968	0.390472	1.85E-18	0.485442	5.54E-29	0.154464	0.00081	0.184525
0.11744	0.01109	0.265367	5.75E-09	0.399972	2.28E-19	0.073389	0.11323	0.144172
0.219703	1.64E-06	0.483064	1.12E-28	0.560115	6.35E-40	0.193771	2.48E-05	0.221154
0.034936	0.45134	0.320777	1.23E-12	0.415155	6.99E-21	0.100984	0.02911	0.139883
0.171838	0.00019	0.420274	2.07E-21	0.50039	5.82E-31	0.146144	0.00154	0.194177
0.165695	0.00032	0.448143	1.89E-24	0.597832	1.37E-46	0.154668	0.0008	0.161856
0.133991	0.00372	0.339903	4.30E-14	0.386314	4.53E-18	0.141461	0.00218	0.143913
0.285489	3.30E-10	0.492518	6.60E-30	0.545537	1.44E-37	0.226567	7.52E-07	0.223516
0.270244	2.94E-09	0.590584	3.06E-45	0.566982	4.49E-41	0.250274	4.22E-08	0.323446
0.041237	0.37394	0.046837	0.3125	0.171741	0.00019	-0.06061	0.19104	0.087681
0.066704	0.15009	0.242502	1.12E-07	0.342703	2.58E-14	0.095171	0.0398	0.076728
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0.103868	0.02479	0.140211	0.00239	0.120016	0.00943	0.047651	0.30415	-0.12733
0.080447	0.08245	0.388257	2.99E-18	0.515025	5.38E-33	0.088389	0.0563	0.114983
0.127165	0.00593	0.260866	1.06E-08	0.295243	7.57E-11	0.17977	9.37E-05	0.272587
0.090865	0.04971	0.421296	1.62E-21	0.531145	2.36E-35	0.12473	0.00696	0.153374
0.022113	0.63362	0.314126	3.74E-12	0.277544	1.05E-09	0.165794	0.00032	0.160356
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0.072815	0.11608	0.424229	7.97E-22	0.454838	3.19E-25	0.138184	0.00277	0.221119

0.037662	0.4168	0.281683	5.76E-10	0.30076	3.22E-11	0.139377	0.00254	0.351299
0.149827	0.00116	0.254024	2.60E-08	0.34053	3.83E-14	0.062123	0.18018	0.092529
0.172354	0.00018	0.313143	4.40E-12	0.364619	3.94E-16	0.106377	0.02149	0.182126
0.219581	1.66E-06	0.526318	1.24E-34	0.362848	5.60E-16	0.233525	3.33E-07	0.35159
0.182936	7.00E-05	0.367589	2.18E-16	0.41514	7.01E-21	0.084942	0.06665	0.099358
0.08089	0.08077	0.41125	1.74E-20	0.488817	2.02E-29	0.088501	0.05599	0.074604
0.041593	0.36982	0.343961	2.05E-14	0.491301	9.55E-30	0.100052	0.03064	0.109525
0.180661	8.64E-05	0.438171	2.49E-23	0.501994	3.52E-31	0.198083	1.62E-05	0.223351
0.103805	0.02488	0.422962	1.08E-21	0.387682	3.38E-18	0.197121	1.78E-05	0.251038
0.109796	0.01762	0.412397	1.33E-20	0.490303	1.29E-29	0.131518	0.00441	0.205799
0.266272	5.08E-09	0.519059	1.42E-33	0.539039	1.48E-36	0.27224	2.22E-09	0.361019
0.09055	0.05052	0.367346	2.29E-16	0.463219	3.24E-26	0.134212	0.00366	0.193188
0.125532	0.0066	0.392279	1.25E-18	0.516543	3.27E-33	0.119925	0.00949	0.151347
0.036554	0.43064	0.233251	3.44E-07	0.284271	3.94E-10	0.099076	0.03231	0.078487
0.102032	0.02747	0.308096	1.00E-11	0.347577	1.05E-14	0.114547	0.01325	0.104675
0.129187	0.00517	0.443624	6.14E-24	0.582015	1.09E-43	0.158163	0.0006	0.174489
0.175933	0.00013	0.383923	7.54E-18	0.422861	1.11E-21	0.160756	0.00049	0.220371
0.125507	0.00661	0.428141	3.06E-22	0.541819	5.51E-37	0.160504	0.0005	0.200036
0.025112	0.58829	0.289385	1.84E-10	0.355131	2.51E-15	0.05757	0.21431	0.017457
0.161818	0.00045	0.490492	1.22E-29	0.586964	1.40E-44	0.175978	0.00013	0.232236
0.030569	0.5099	0.246216	7.06E-08	0.323632	7.56E-13	0.019074	0.68099	0.000983
0.183289	6.77E-05	0.627663	1.59E-52	0.573233	3.82E-42	0.177318	0.00012	0.299607
0.047404	0.30666	0.321304	1.12E-12	0.247442	6.05E-08	0.169273	0.00024	0.225533
-0.10873	0.01875	0.175328	0.00014	-0.06953	0.1335	0.235594	2.60E-07	0.359275
0.177821	0.00011	0.425447	5.93E-22	0.43458	6.18E-23	0.171661	0.00019	0.251707
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0.282378	5.21E-10	0.617238	2.22E-50	0.679297	1.76E-64	0.258629	1.42E-08	0.294885
0.325863	5.16E-13	0.588392	7.71E-45	0.687671	1.18E-66	0.261453	9.75E-09	0.282388
0.26028	1.14E-08	0.570237	1.25E-41	0.637474	1.27E-54	0.253497	2.79E-08	0.302033
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0.283825	4.21E-10	0.484585	7.15E-29	0.669307	5.59E-62	0.173479	0.00016	0.202729
0.172639	0.00018	0.381467	1.27E-17	0.510777	2.15E-32	0.079242	0.08717	0.09884
0.085422	0.06512	0.224005	1.01E-06	0.262812	8.12E-09	0.071318	0.1238	0.209839
0.086692	0.06121	0.487618	2.90E-29	0.381985	1.13E-17	0.126049	0.00638	0.199396
0.351544	4.96E-15	0.578043	5.52E-43	0.470287	4.50E-27	0.216434	2.35E-06	0.237541
0.12213	0.00824	0.295938	6.81E-11	0.35078	5.74E-15	0.083013	0.0731	0.056735
0.117724	0.01089	0.415743	6.08E-21	0.410505	2.07E-20	0.168941	0.00024	0.23422
0.088188	0.05686	0.112024	0.01544	0.158095	0.00061	0.061805	0.18243	-0.05899
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0.043081	0.35293	-0.39585	5.71E-19	-0.36724	2.34E-16	-0.09418	0.04192	-0.15611
0.265031	6.01E-09	0.59034	3.39E-45	0.652645	5.11E-58	0.246293	6.99E-08	0.327974
0.244305	8.96E-08	0.512208	1.35E-32	0.423871	8.70E-22	0.265266	5.83E-09	0.31797
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0.082464	0.07502	0.254658	2.40E-08	0.318086	1.93E-12	0.02206	0.63443	-0.0045

0.074033	0.11009	0.302184	2.57E-11	0.374973	4.88E-17	0.080277	0.0831	0.117561
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0.06432	0.16524	0.264548	6.42E-09	0.411301	1.72E-20	0.096593	0.03692	0.105744
0.454926	3.11E-25	0.493039	5.63E-30	0.648639	4.21E-57	0.279334	8.10E-10	0.181139
0.156513	0.00069	0.423653	9.17E-22	0.456157	2.23E-25	0.24729	6.16E-08	0.195314
0.277831	1.01E-09	0.438354	2.38E-23	0.445328	3.95E-24	0.163885	0.00038	0.142989
0.213908	3.10E-06	0.409606	2.55E-20	0.453768	4.25E-25	0.136123	0.0032	0.123671
0.031703	0.49433	-0.27149	2.47E-09	-0.32259	9.03E-13	0.043062	0.35314	-0.10186
0.130818	0.00463	0.391818	1.38E-18	0.506909	7.43E-32	0.115279	0.01267	0.123399
0.031315	0.49962	0.303842	1.98E-11	0.39335	9.89E-19	0.068886	0.13717	0.129898
0.123138	0.00772	0.410246	2.20E-20	0.518835	1.53E-33	0.136232	0.00318	0.159691
0.125136	0.00678	0.461765	4.84E-26	0.601612	2.62E-47	0.159702	0.00053	0.172627
0.134107	0.00369	0.503789	2.00E-31	0.560649	5.18E-40	0.103753	0.02495	0.215558
0.060304	0.1933	0.373809	6.19E-17	0.491009	1.04E-29	0.117183	0.01127	0.129695
0.223275	1.09E-06	0.420796	1.83E-21	0.481956	1.55E-28	0.220209	1.55E-06	0.155807
0.186411	5.05E-05	0.373899	6.08E-17	0.540709	8.19E-37	0.132551	0.00411	0.144715
0.226503	7.57E-07	0.446607	2.83E-24	0.4068	4.87E-20	0.188481	4.15E-05	0.327761
-0.13258	0.0041	-0.28111	6.26E-10	-0.28413	4.03E-10	-0.11401	0.01369	-0.30091
0.141493	0.00218	0.421892	1.40E-21	0.528903	5.11E-35	0.155983	0.00072	0.190958
0.17971	9.42E-05	0.441536	1.05E-23	0.505035	1.35E-31	0.174073	0.00016	0.207249
-0.0262	0.57222	0.240793	1.38E-07	0.244167	9.12E-08	0.146551	0.00149	0.10327
0.107232	0.02046	0.351494	5.01E-15	0.431795	1.24E-22	0.05807	0.21035	0.163983
0.073327	0.11354	0.245855	7.38E-08	0.267957	4.03E-09	0.064349	0.16504	0.002919
0.124323	0.00715	0.416654	4.90E-21	0.524944	1.97E-34	0.121552	0.00855	0.169422
0.057582	0.21421	0.289152	1.91E-10	0.383174	8.83E-18	0.035545	0.44348	0.086721
-0.13859	0.00269	0.050909	0.27224	0.013844	0.76542	-0.04986	0.28226	0.000604
0.01125	0.80842	0.296224	6.51E-11	0.232623	3.71E-07	0.134798	0.00352	0.235819
0.081557	0.0783	0.290852	1.48E-10	0.356902	1.78E-15	0.072978	0.11527	0.083177
0.231992	3.99E-07	0.489663	1.57E-29	0.651365	1.01E-57	0.210646	4.40E-06	0.231987
-0.02307	0.61892	0.307969	1.02E-11	0.226258	7.79E-07	0.101694	0.02799	0.119581
0.136356	0.00315	0.434711	5.98E-23	0.570239	1.25E-41	0.152668	0.00093	0.164003
0.229555	5.32E-07	0.39697	4.46E-19	0.451579	7.62E-25	0.143476	0.00188	0.21014
0.140445	0.00235	0.180443	8.81E-05	0.280809	6.54E-10	0.005554	0.90473	-0.02481
0.162598	0.00042	0.255056	2.27E-08	0.334338	1.17E-13	0.050738	0.27385	0.102627
0.220101	1.57E-06	0.561637	3.55E-40	0.654712	1.70E-58	0.220909	1.43E-06	0.22733
0.123922	0.00734	0.455444	2.71E-25	0.554158	6.02E-39	0.153954	0.00084	0.165164
0.026077	0.57404	0.173136	0.00017	0.197982	1.63E-05	-0.02437	0.59938	0.037759
0.113199	0.01438	0.317701	2.06E-12	0.412597	1.27E-20	0.052279	0.25953	0.102226
-0.12332	0.00763	0.303454	2.10E-11	0.199605	1.39E-05	0.115008	0.01288	0.231189
0.268066	3.97E-09	0.478868	3.83E-28	0.323215	8.12E-13	0.24325	1.02E-07	0.253608
0.234318	3.03E-07	0.465069	1.94E-26	0.506671	8.02E-32	0.19768	1.69E-05	0.228546
0.112565	0.01494	0.424213	8.00E-22	0.559123	9.27E-40	0.140473	0.00235	0.182579
0.085981	0.06338	0.374191	5.73E-17	0.43007	1.90E-22	0.088026	0.05732	0.124545
0.173424	0.00017	0.473251	1.94E-27	0.503904	1.93E-31	0.199886	1.35E-05	0.237184
0.079186	0.08739	0.437339	3.08E-23	0.501505	4.11E-31	0.131071	0.00455	0.226834



0.131595	0.00439	0.442951	7.31E-24	0.56724	4.06E-41	0.165867	0.00032	0.16722
0.099621	0.03136	0.363961	4.49E-16	0.413047	1.15E-20	0.192135	2.92E-05	0.136477
0.095277	0.03958	0.223599	1.06E-06	0.274868	1.53E-09	0.084665	0.06755	0.122337
0.036069	0.43679	-0.13592	0.00325	-0.32319	8.16E-13	0.129181	0.00518	0.126626
-0.04117	0.37468	0.100529	0.02985	0.179688	9.44E-05	0.013738	0.76715	-0.06146
0.113959	0.01374	0.403191	1.11E-19	0.487553	2.95E-29	0.086095	0.06303	0.107255
0.214628	2.86E-06	0.471291	3.38E-27	0.396464	4.99E-19	0.210207	4.61E-06	0.216168
0.137312	0.00294	0.544325	2.23E-37	0.592532	1.34E-45	0.191522	3.10E-05	0.231304
0.167369	0.00028	0.405419	6.67E-20	0.467106	1.10E-26	0.162047	0.00044	0.237794
0.129267	0.00515	0.415804	6.00E-21	0.348067	9.55E-15	0.047578	0.30489	0.17281
0.183841	6.43E-05	0.39768	3.81E-19	0.3931	1.05E-18	0.180775	8.55E-05	0.246768
0.161471	0.00046	0.450978	8.93E-25	0.536416	3.75E-36	0.191678	3.05E-05	0.237032
0.182671	7.17E-05	0.494814	3.27E-30	0.568176	2.82E-41	0.136232	0.00318	0.147778
0.177616	0.00011	0.396743	4.69E-19	0.404146	8.92E-20	0.156425	0.00069	0.127254
0.224273	9.78E-07	0.440649	1.32E-23	0.469553	5.53E-27	0.153221	0.00089	0.250568
0.087142	0.05988	0.465804	1.58E-26	0.359329	1.11E-15	0.248313	5.42E-08	0.414246
0.060403	0.19257	0.318843	1.70E-12	0.414069	9.02E-21	0.038196	0.41022	0.114663
-0.01924	0.67838	0.243048	1.05E-07	0.266673	4.81E-09	0.012375	0.78968	0.0287
0.009245	0.84207	-0.21249	3.61E-06	-0.31231	5.04E-12	0.045177	0.32998	-0.11275
0.113667	0.01398	0.332303	1.68E-13	0.420524	1.95E-21	0.049899	0.28188	0.210937
0.379361	1.97E-17	0.582901	7.57E-44	0.648732	4.01E-57	0.292462	1.16E-10	0.358075
0.206952	6.51E-06	0.543991	2.52E-37	0.629447	6.68E-53	0.173208	0.00017	0.269899
0.107204	0.02049	0.380072	1.70E-17	0.493395	5.05E-30	0.147524	0.00139	0.160393
-0.14356	0.00187	-0.44526	4.02E-24	-0.41697	4.55E-21	-0.32918	2.90E-13	-0.33734
0.088372	0.05634	0.242394	1.14E-07	0.343405	2.27E-14	0.051541	0.26632	0.069793
0.036811	0.42742	0.296493	6.25E-11	0.089953	0.05206	0.090924	0.04957	0.127861
0.154897	0.00078	0.267322	4.40E-09	0.248165	5.52E-08	0.123472	0.00756	0.166348
0.145424	0.00163	0.322681	8.90E-13	0.418645	3.06E-21	0.121599	0.00853	0.085869
0.097249	0.03565	0.243059	1.05E-07	0.330576	2.27E-13	0.063962	0.1676	0.053106
-0.08405	0.06958	0.349579	7.19E-15	0.318651	1.76E-12	0.08307	0.0729	0.253808
-0.00919	0.84306	0.203681	9.15E-06	0.281778	5.68E-10	0.043817	0.34475	0.093443
0.087623	0.05848	0.267324	4.40E-09	0.304878	1.68E-11	0.065672	0.15651	-0.0658
0.103734	0.02498	0.289686	1.76E-10	0.370653	1.18E-16	0.043422	0.34912	0.060405
-0.00774	0.86751	0.222081	1.25E-06	0.203325	9.49E-06	0.06378	0.16882	0.135997
0.129928	0.00492	0.388647	2.75E-18	0.508129	5.03E-32	0.113057	0.01451	0.139576
0.068256	0.14081	0.259954	1.19E-08	0.343954	2.05E-14	0.025567	0.58155	0.106879
-0.07567	0.10243	0.027005	0.56049	0.194865	2.23E-05	-0.0246	0.59592	-0.0984
0.045622	0.32522	0.11451	0.01328	0.100667	0.02962	0.055394	0.23217	0.050314
0.076008	0.1009	0.219085	1.75E-06	0.264025	6.90E-09	0.089308	0.05377	0.051301
0.205872	7.29E-06	0.515733	4.27E-33	0.668981	6.72E-62	0.183232	6.81E-05	0.214254
0.066085	0.15391	-0.33756	6.56E-14	-0.26858	3.70E-09	-0.04578	0.32351	-0.13172
0.128842	0.0053	0.362412	6.10E-16	0.362124	6.45E-16	0.095254	0.03963	0.121532
0.085538	0.06476	0.415676	6.18E-21	0.41483	7.54E-21	0.051932	0.26271	0.049913
0.188234	4.25E-05	-0.15061	0.0011	-0.13676	0.00306	0.003736	0.93582	0.078923
-0.04734	0.30733	0.102854	0.02624	0.179975	9.20E-05	0.01968	0.67143	-0.07886

-0.08489	0.06682	-0.32091	1.20E-12	-0.38941	2.33E-18	-0.04301	0.35375	-0.04703
0.078578	0.08986	0.337677	6.43E-14	0.414076	9.01E-21	0.143634	0.00186	0.126702
0.058728	0.20522	0.159419	0.00054	0.270905	2.68E-09	-0.01076	0.81667	0.082545
0.132286	0.00419	0.345225	1.62E-14	0.407048	4.60E-20	0.081531	0.07839	0.113494
0.089686	0.05276	0.22074	1.46E-06	0.349912	6.75E-15	0.064464	0.16429	0.086481
0.019758	0.6702	0.280758	6.59E-10	0.361239	7.68E-16	0.075732	0.10214	0.059139
0.315664	2.90E-12	0.522527	4.46E-34	0.551813	1.44E-38	0.18841	4.18E-05	0.288168
0.148686	0.00127	0.401392	1.66E-19	0.54416	2.37E-37	0.175312	0.00014	0.183349
0.296971	5.80E-11	0.549227	3.74E-38	0.592197	1.54E-45	0.216872	2.24E-06	0.243843
0.157204	0.00065	0.466658	1.25E-26	0.583128	6.89E-44	0.171705	0.00019	0.199149
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0.117301	0.01119	0.418916	2.86E-21	0.530424	3.03E-35	0.160017	0.00052	0.173999
-0.09367	0.04305	-0.17293	0.00017	-0.2216	1.32E-06	-0.17251	0.00018	-0.16616
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0.098532	0.03327	0.334511	1.13E-13	0.429867	2.00E-22	0.158713	0.00058	0.100945
-0.04681	0.31273	0.220392	1.52E-06	0.315305	3.08E-12	0.053682	0.24694	0.010532
0.070748	0.12683	0.295474	7.31E-11	0.349328	7.54E-15	0.091246	0.04876	0.172074
0.133244	0.00392	0.281144	6.23E-10	0.365215	3.50E-16	0.101437	0.02839	0.133349
0.173973	0.00016	0.472182	2.63E-27	0.488864	1.99E-29	0.097074	0.03598	0.154741
0.024456	0.59809	0.200842	1.22E-05	0.317781	2.04E-12	-0.02216	0.63288	0.071364
0.165093	0.00034	0.309216	8.35E-12	0.342063	2.90E-14	0.06869	0.13829	0.176324
0.034227	0.46059	0.27784	1.00E-09	0.343554	2.20E-14	-0.0075	0.87162	0.031789
0.090557	0.0505	0.238344	1.87E-07	0.18869	4.07E-05	0.099218	0.03206	0.061031
0.130434	0.00475	0.406848	4.81E-20	0.507234	6.70E-32	0.143679	0.00185	0.190977
0.016616	0.72025	0.339211	4.87E-14	0.427679	3.43E-22	0.094641	0.04092	0.113171
0.034048	0.46294	0.133663	0.00381	0.162823	0.00041	0.035179	0.4482	0.082072
-0.04055	0.38201	0.175025	0.00014	0.259872	1.20E-08	0.080321	0.08294	0.030774
0.025097	0.58853	0.118735	0.01023	0.170671	0.00021	0.044906	0.33289	-0.01759
0.232838	3.61E-07	0.660097	9.29E-60	0.606771	2.65E-48	0.295895	6.85E-11	0.504082
0.070269	0.12943	0.27706	1.12E-09	0.3474	1.08E-14	0.023679	0.60977	0.092002
-0.00366	0.93705	0.196174	1.96E-05	0.288242	2.19E-10	0.004097	0.92963	0.069246
0.312672	4.75E-12	0.502788	2.74E-31	0.420002	2.21E-21	0.291936	1.25E-10	0.365844
0.268135	3.93E-09	0.456991	1.78E-25	0.548019	5.83E-38	0.181367	8.09E-05	0.237635
0.062302	0.17893	0.339739	4.43E-14	0.46563	1.66E-26	0.077818	0.09302	0.137534
0.129617	0.00503	0.434091	6.98E-23	0.377945	2.64E-17	0.174267	0.00015	0.254431
0.176049	0.00013	0.529983	3.53E-35	0.548824	4.34E-38	0.165069	0.00034	0.237776
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0.196427	1.91E-05	0.46989	5.03E-27	0.48011	2.67E-28	0.154667	0.0008	0.183894
0.021869	0.63737	0.198277	1.59E-05	0.307413	1.12E-11	0.078156	0.0916	0.036291
0.052709	0.25563	0.247754	5.81E-08	0.428328	2.93E-22	0.049669	0.28411	0.050289
0.300594	3.30E-11	0.583751	5.33E-44	0.718064	3.29E-75	0.269756	3.14E-09	0.29223
0.025017	0.58971	0.181917	7.69E-05	0.202654	1.02E-05	0.051585	0.26591	0.046088
0.240127	1.50E-07	0.539184	1.41E-36	0.500835	5.07E-31	0.173426	0.00017	0.264126
0.098116	0.03403	0.243861	9.47E-08	0.268921	3.53E-09	0.074798	0.10646	0.237781
-0.07359	0.11227	-0.29042	1.58E-10	-0.38045	1.57E-17	-0.06054	0.19158	-0.21969

0.084646	0.06761	0.315009	3.23E-12	0.346781	1.21E-14	0.157738	0.00062	0.179534
0.050569	0.27546	0.28164	5.80E-10	0.320827	1.22E-12	0.013464	0.77166	0.083001
0.012656	0.78502	0.289345	1.86E-10	0.334122	1.21E-13	0.062879	0.17493	0.166891
0.110858	0.01655	0.304145	1.88E-11	0.394248	8.13E-19	0.156488	0.00069	0.11561
0.086032	0.06322	0.358148	1.40E-15	0.337294	6.88E-14	0.17133	0.0002	0.317212
0.011068	0.81145	0.25068	4.00E-08	0.184462	6.07E-05	0.0076	0.86989	0.070886
0.205525	7.55E-06	0.394563	7.58E-19	0.403344	1.07E-19	0.201983	1.09E-05	0.139482
0.214124	3.03E-06	0.510268	2.53E-32	0.438744	2.15E-23	0.220411	1.51E-06	0.407185
0.076106	0.10046	0.402392	1.33E-19	0.520886	7.73E-34	0.079918	0.0845	0.084505
0.07385	0.11098	0.203214	9.60E-06	0.277187	1.10E-09	0.110659	0.01674	0.08242
0.105	0.02325	0.212447	3.63E-06	0.26987	3.09E-09	0.151294	0.00104	0.097712
0.022545	0.62699	0.268341	3.82E-09	0.410795	1.94E-20	0.067453	0.14555	0.123337
0.173947	0.00016	0.327225	4.07E-13	0.401253	1.71E-19	0.055641	0.23009	-0.0602
0.184758	5.90E-05	0.507831	5.54E-32	0.57853	4.53E-43	0.170137	0.00022	0.245435
0.16915	0.00024	0.306146	1.37E-11	0.335622	9.29E-14	0.213585	3.21E-06	0.149819
0.17672	0.00012	0.47472	1.27E-27	0.570305	1.22E-41	0.175739	0.00013	0.212369
-0.16116	0.00047	-0.39088	1.69E-18	-0.36268	5.79E-16	-0.20195	1.09E-05	-0.34895
0.133364	0.00389	0.378783	2.22E-17	0.36737	2.28E-16	0.102095	0.02737	0.067348
0.103144	0.02582	0.30688	1.22E-11	0.440045	1.54E-23	0.079513	0.08609	0.037595
0.15937	0.00055	0.396867	4.56E-19	0.508129	5.03E-32	0.226658	7.44E-07	0.170291
0.034104	0.4622	0.375914	4.02E-17	0.422495	1.21E-21	0.156671	0.00068	0.255933
0.108339	0.01919	0.348229	9.26E-15	0.434995	5.56E-23	0.130115	0.00486	0.17513
0.10897	0.01849	0.296002	6.74E-11	0.377642	2.81E-17	0.047666	0.304	0.087162
0.028193	0.54335	0.269824	3.11E-09	0.337108	7.12E-14	0.10995	0.01746	0.137009
0.133828	0.00376	0.32152	1.08E-12	0.404276	8.66E-20	0.012913	0.78076	-0.0053
0.01211	0.79409	0.328979	3.00E-13	0.421739	1.46E-21	0.053893	0.24509	0.047454
0.01989	0.66813	0.119945	0.00947	0.115947	0.01216	0.07342	0.11308	-2.66E-05
0.079571	0.08586	0.35611	2.08E-15	0.423052	1.06E-21	0.13062	0.00469	0.158544
-0.00572	0.90193	0.11946	0.00977	0.150578	0.0011	-0.0086	0.85291	-0.0516
0.116834	0.01151	0.271347	2.52E-09	0.34875	8.40E-15	0.029112	0.53029	0.07438
0.102157	0.02728	0.393126	1.04E-18	0.514259	6.92E-33	0.134788	0.00352	0.156501
0.02143	0.64414	0.17283	0.00017	0.198463	1.56E-05	0.079053	0.08793	0.054547
0.084056	0.06955	0.215575	2.58E-06	0.262329	8.67E-09	0.074921	0.10588	0.115691
0.11494	0.01294	0.345567	1.52E-14	0.493198	5.36E-30	0.155911	0.00072	0.147909
0.070175	0.12995	0.488319	2.35E-29	0.41264	1.26E-20	0.121746	0.00845	0.273616
0.14191	0.00211	0.429248	2.33E-22	0.536133	4.15E-36	0.185589	5.46E-05	0.198539
0.158459	0.00059	0.510522	2.33E-32	0.602975	1.43E-47	0.199896	1.35E-05	0.226191
0.145324	0.00164	0.304757	1.71E-11	0.35873	1.25E-15	0.158315	0.0006	0.101346
0.14438	0.00176	0.211437	4.04E-06	0.293894	9.32E-11	0.084948	0.06663	-0.05416
0.205609	7.49E-06	0.354333	2.92E-15	0.503505	2.19E-31	0.040675	0.38049	0.054394
0.030597	0.50952	0.219166	1.74E-06	0.339934	4.27E-14	0.064485	0.16415	0.022226
0.076704	0.09781	0.310636	6.63E-12	0.439537	1.76E-23	0.045744	0.32394	0.056511
0.26102	1.03E-08	0.431066	1.49E-22	0.482333	1.39E-28	0.217309	2.13E-06	0.322753
0.100973	0.02913	0.410895	1.89E-20	0.53576	4.73E-36	0.088825	0.05509	0.128366
0.188812	4.02E-05	0.495399	2.73E-30	0.641617	1.57E-55	0.177211	0.00012	0.201049

0.16323	0.0004	0.422024	1.36E-21	0.48599	4.71E-29	0.162505	0.00042	0.289985
-0.20943	5.01E-06	-0.29645	6.29E-11	-0.24012	1.50E-07	-0.11555	0.01246	-0.31705
0.029319	0.52738	0.201727	1.12E-05	0.28753	2.43E-10	0.059124	0.20218	0.018847
-0.11787	0.01079	0.039283	0.39701	0.072261	0.11889	-0.08172	0.0777	-0.06164
-0.04314	0.35223	0.104076	0.0245	0.242343	1.14E-07	-0.0568	0.22048	-0.06343
0.031719	0.49411	0.287105	2.59E-10	0.395928	5.61E-19	0.036614	0.42989	0.098349
0.1977	1.68E-05	0.436759	3.56E-23	0.524755	2.10E-34	0.20053	1.26E-05	0.225529
0.06689	0.14895	0.343786	2.11E-14	0.422959	1.08E-21	0.088844	0.05504	0.153235
0.161426	0.00046	0.542932	3.69E-37	0.558494	1.18E-39	0.218573	1.86E-06	0.2626
-0.00711	0.87828	-0.4574	1.59E-25	-0.30597	1.41E-11	-0.0802	0.08341	-0.17802
0.154913	0.00078	0.4854	5.61E-29	0.585529	2.55E-44	0.180755	8.56E-05	0.218115
0.157376	0.00064	0.305195	1.59E-11	0.272897	2.03E-09	0.139018	0.00261	0.200871
0.157082	0.00066	0.31854	1.79E-12	0.414335	8.47E-21	0.087784	0.05801	0.035773
0.178901	0.0001	0.171212	0.0002	0.287198	2.56E-10	-0.00418	0.92814	-0.02701
0.064155	0.16633	0.33769	6.41E-14	0.399586	2.49E-19	0.154655	0.0008	0.233996
0.116835	0.01151	0.432003	1.18E-22	0.499562	7.54E-31	0.153873	0.00085	0.195299
0.098234	0.03381	0.49308	5.56E-30	0.469282	5.97E-27	0.170023	0.00022	0.213668
0.157342	0.00064	0.45508	2.98E-25	0.583457	6.02E-44	0.189974	3.60E-05	0.196208
-0.0506	0.27513	0.1309	0.00461	0.119737	0.0096	-0.12755	0.00577	-0.1225
0.082512	0.07485	0.397064	4.37E-19	0.486359	4.22E-29	0.138529	0.0027	0.218482
0.162813	0.00041	0.351489	5.02E-15	0.370957	1.11E-16	0.246943	6.44E-08	0.237092
0.061711	0.18309	0.290177	1.64E-10	0.322817	8.69E-13	0.126369	0.00625	0.072222
0.038681	0.40429	0.21816	1.94E-06	0.246567	6.75E-08	0.062318	0.17882	0.026709
0.162368	0.00043	0.220298	1.53E-06	0.343508	2.22E-14	0.003796	0.9348	-0.05996
0.118864	0.01014	0.258757	1.40E-08	0.335786	9.02E-14	0.116848	0.0115	0.212276
0.147458	0.0014	0.426979	4.08E-22	0.476	8.80E-28	0.129815	0.00496	0.243894
0.048091	0.2997	-0.23001	5.04E-07	-0.30117	3.02E-11	-0.04515	0.33027	-0.18451
0.162153	0.00043	0.37016	1.30E-16	0.42186	1.41E-21	0.038323	0.40867	0.211977
-0.00077	0.98671	0.213841	3.12E-06	0.292845	1.09E-10	-0.02511	0.58826	-0.0127
0.075671	0.10242	0.315049	3.21E-12	0.38553	5.36E-18	0.072869	0.11582	0.098707
0.113409	0.0142	0.330885	2.15E-13	0.336889	7.40E-14	0.08566	0.06438	0.093601
-0.07928	0.08701	-0.34085	3.62E-14	-0.40888	3.02E-20	-0.15932	0.00055	-0.31438
0.008462	0.85529	0.270249	2.93E-09	0.381379	1.29E-17	0.063179	0.17288	0.021487
0.122319	0.00814	0.246261	7.02E-08	0.346082	1.38E-14	0.041848	0.36689	0.032062
0.102416	0.02689	0.442023	9.29E-24	0.528981	4.98E-35	0.171559	0.0002	0.188053
0.091484	0.04817	0.204414	8.48E-06	0.268326	3.83E-09	0.09386	0.04262	0.099157
0.123194	0.00769	0.318662	1.76E-12	0.428723	2.65E-22	0.101205	0.02876	0.155614
0.094501	0.04122	0.225097	8.90E-07	0.36926	1.56E-16	0.014244	0.75884	0.106949
0.256868	1.79E-08	0.456308	2.14E-25	0.607764	1.70E-48	0.126926	0.00602	0.208773
0.108281	0.01925	0.404261	8.69E-20	0.511175	1.89E-32	0.110045	0.01736	0.160675
0.105116	0.0231	0.356752	1.84E-15	0.410429	2.11E-20	-0.00805	0.86218	0.124236
0.102379	0.02695	0.258342	1.48E-08	0.378273	2.47E-17	0.007388	0.87349	-0.03497
0.006532	0.88804	0.201705	1.12E-05	0.231291	4.34E-07	-0.06232	0.17878	-0.09124
0.151094	0.00106	0.320369	1.32E-12	0.336664	7.71E-14	0.148732	0.00127	0.139625
0.037842	0.41457	0.275783	1.35E-09	0.362479	6.02E-16	0.031939	0.49112	0.06697

0.128332	0.00548	0.407186	4.46E-20	0.525151	1.84E-34	0.127335	0.00586	0.127691
0.080646	0.08169	0.279195	8.26E-10	0.331807	1.83E-13	0.056072	0.2265	0.118069
0.131552	0.0044	0.457767	1.44E-25	0.568533	2.45E-41	0.170144	0.00022	0.215544
0.116982	0.01141	0.323408	7.86E-13	0.354158	3.02E-15	0.128435	0.00544	0.130571
0.281905	5.58E-10	0.376781	3.36E-17	0.480617	2.30E-28	0.125938	0.00643	0.162405
0.060467	0.1921	0.251452	3.63E-08	0.298925	4.28E-11	0.117938	0.01075	0.142899
0.116454	0.01179	0.435451	4.96E-23	0.517265	2.57E-33	0.142173	0.00207	0.193549
0.236175	2.43E-07	0.516086	3.80E-33	0.624478	7.32E-52	0.235441	2.65E-07	0.267252
0.122919	0.00783	0.224342	9.70E-07	0.269482	3.26E-09	0.094646	0.04091	0.072816
-0.04418	0.3408	-0.32735	3.99E-13	-0.32342	7.84E-13	-0.1831	6.89E-05	-0.36549
0.076816	0.09731	0.205676	7.44E-06	0.302768	2.34E-11	-0.00389	0.93315	-0.0059
0.262835	8.10E-09	0.512964	1.06E-32	0.470653	4.05E-27	0.1201	0.00938	0.270263
0.325724	5.28E-13	0.425861	5.36E-22	0.544458	2.13E-37	0.265685	5.50E-09	0.293047
0.033203	0.47412	0.147577	0.00138	0.261845	9.25E-09	0.010165	0.82659	-0.07146
0.149357	0.00121	0.23215	3.92E-07	0.270855	2.70E-09	-0.02539	0.58414	0.082327
0.152442	0.00095	0.264317	6.63E-09	0.301162	3.02E-11	0.028083	0.54494	-0.02774
0.148264	0.00131	0.34649	1.28E-14	0.415499	6.44E-21	0.090989	0.0494	0.080319
0.099179	0.03213	0.25422	2.54E-08	0.274023	1.73E-09	-0.06216	0.17992	-0.00413
0.093137	0.04425	0.4632	3.26E-26	0.50976	2.98E-32	0.158242	0.0006	0.127448
0.134622	0.00356	0.351834	4.70E-15	0.539958	1.07E-36	0.044451	0.33781	0.048326
0.137492	0.00291	0.460966	6.03E-26	0.58581	2.27E-44	0.163132	0.0004	0.190985
0.017182	0.71113	-0.25283	3.04E-08	-0.29189	1.26E-10	0.025543	0.5819	0.017997
0.13594	0.00325	0.47973	2.98E-28	0.541252	6.75E-37	0.162129	0.00044	0.177931
0.147479	0.00139	0.407892	3.79E-20	0.573563	3.34E-42	0.091872	0.04723	0.061695
0.347987	9.69E-15	0.452862	5.41E-25	0.543944	2.56E-37	0.158223	0.0006	0.302305
-0.25539	2.18E-08	-0.01635	0.72459	-0.04111	0.37538	-0.10087	0.0293	-0.24373
0.072542	0.11746	0.158122	0.0006	0.177304	0.00012	0.016137	0.72798	0.013902
-0.20322	9.59E-06	0.163143	0.0004	0.24021	1.49E-07	-0.02755	0.55257	0.009286
0.235181	2.73E-07	0.357119	1.71E-15	0.353649	3.33E-15	0.065051	0.16047	0.087165
0.134823	0.00351	0.396079	5.43E-19	0.470671	4.03E-27	0.16986	0.00023	0.126215
0.128615	0.00538	0.402877	1.19E-19	0.551594	1.56E-38	0.156406	0.00069	0.141043
0.147312	0.00141	0.289171	1.90E-10	0.407113	4.53E-20	0.033038	0.47631	0.102953
0.068904	0.13707	0.225928	8.09E-07	0.242418	1.13E-07	0.017277	0.7096	0.097412
0.073625	0.11207	0.338069	5.99E-14	0.37781	2.72E-17	0.056331	0.22436	0.05159
0.343606	2.18E-14	0.476791	7.00E-28	0.526185	1.29E-34	0.254302	2.51E-08	0.252745
0.210531	4.45E-06	0.576044	1.24E-42	0.610112	5.87E-49	0.152674	0.00093	0.184768
0.08909	0.05436	0.298596	4.51E-11	0.40878	3.09E-20	0.139888	0.00245	0.125576
0.034619	0.45546	0.289915	1.70E-10	0.22504	8.96E-07	-0.00479	0.91784	0.18898
0.143195	0.00192	0.354015	3.10E-15	0.464185	2.48E-26	0.182352	7.39E-05	0.104897
-0.00523	0.91031	0.207576	6.09E-06	0.290958	1.46E-10	-0.01986	0.6686	0.072944
0.077635	0.09379	0.350932	5.57E-15	0.299506	3.91E-11	0.075661	0.10247	0.149258
0.310296	7.00E-12	0.500988	4.83E-31	0.355714	2.24E-15	0.25302	2.96E-08	0.328158
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0.173158	0.00017	0.379063	2.09E-17	0.384181	7.14E-18	0.136254	0.00317	0.125444
0.22126	1.37E-06	0.254865	2.33E-08	0.352184	4.40E-15	0.033283	0.47305	-0.18768

0.150423	0.00111	0.356598	1.89E-15	0.372219	8.57E-17	0.082174	0.07606	0.13107
-0.05606	0.22663	0.270284	2.92E-09	0.215958	2.48E-06	0.052022	0.26188	0.104559
0.15107	0.00106	0.298516	4.57E-11	0.287332	2.51E-10	0.224156	9.91E-07	0.101465
0.152364	0.00096	0.473338	1.89E-27	0.579039	3.68E-43	0.175038	0.00014	0.177103
0.108987	0.01848	0.261864	9.23E-09	0.332626	1.58E-13	0.04519	0.32984	0.007638
-0.07775	0.09328	0.245253	7.96E-08	0.124503	0.00706	0.039633	0.39282	0.153873
-0.03195	0.49102	0.109908	0.0175	0.135352	0.00338	0.001272	0.97812	0.02626
-0.08632	0.06234	-0.23387	3.20E-07	-0.28423	3.97E-10	-0.11328	0.01431	-0.27365
0.145234	0.00165	0.346351	1.31E-14	0.383085	9.00E-18	0.1665	0.0003	0.009568
0.130998	0.00458	0.442593	8.02E-24	0.572096	6.00E-42	0.156757	0.00068	0.164651
0.219544	1.67E-06	0.274233	1.68E-09	0.409501	2.61E-20	0.079049	0.08794	0.215232
0.116534	0.01173	0.29466	8.28E-11	0.316687	2.44E-12	-0.0218	0.63847	-0.02578
0.276036	1.30E-09	0.474546	1.34E-27	0.609736	6.96E-49	0.119825	0.00955	0.164645
0.41518	6.95E-21	0.732487	1.12E-79	0.698338	1.56E-69	0.310487	6.79E-12	0.437188
0.04418	0.34077	0.270044	3.02E-09	0.352499	4.14E-15	-0.04086	0.37828	0.014314
0.112927	0.01462	0.412281	1.37E-20	0.314077	3.77E-12	0.142456	0.00203	0.193477
0.099917	0.03086	0.313853	3.91E-12	0.322238	9.59E-13	0.08026	0.08317	0.175628
0.066624	0.15058	0.286806	2.71E-10	0.371356	1.02E-16	0.062802	0.17546	0.052159
0.159625	0.00054	0.522518	4.47E-34	0.435401	5.02E-23	0.201532	1.14E-05	0.195734
0.096044	0.03801	0.278253	9.46E-10	0.387654	3.40E-18	0.13933	0.00255	0.114822
0.073684	0.11179	0.403644	9.99E-20	0.406666	5.02E-20	0.11151	0.01592	0.108821
0.090245	0.0513	0.228369	6.10E-07	0.358379	1.34E-15	0.073179	0.11427	0.005845
0.180016	9.16E-05	0.366321	2.81E-16	0.367447	2.25E-16	0.224627	9.39E-07	0.393091
0.180321	8.91E-05	0.428845	2.58E-22	0.522973	3.84E-34	0.211772	3.90E-06	0.188537
0.013152	0.77682	-0.44476	4.57E-24	-0.4729	2.14E-27	-0.0809	0.08074	-0.27636
0.084311	0.06871	0.199393	1.42E-05	0.300185	3.52E-11	-0.01742	0.70736	-0.09297
0.051949	0.26256	0.415729	6.10E-21	0.404589	8.06E-20	0.084202	0.06907	0.15407
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-0.05505	0.23505	-0.4065	5.21E-20	-0.47816	4.71E-28	0.024539	0.59684	0.002245
0.117868	0.0108	0.409702	2.50E-20	0.504902	1.41E-31	0.12269	0.00795	0.14117
0.087509	0.05881	0.173988	0.00016	0.23325	3.44E-07	-0.04882	0.29239	0.010793
0.196432	1.91E-05	-0.11422	0.01352	-0.15289	0.00092	7.21E-05	0.99876	-0.05112
0.05302	0.25283	0.219483	1.68E-06	0.24639	6.90E-08	0.063197	0.17276	0.106991
0.089321	0.05374	0.312184	5.15E-12	0.369903	1.37E-16	0.03937	0.39597	0.09051
0.008703	0.85121	0.33852	5.52E-14	0.331458	1.94E-13	0.073903	0.11072	0.211831
0.034065	0.46271	0.254628	2.40E-08	0.325783	5.23E-13	0.068581	0.13892	0.140261
-0.0646	0.16339	0.085203	0.06582	0.151756	0.001	-0.07685	0.09718	-0.07856
0.253715	2.71E-08	0.535778	4.70E-36	0.516325	3.51E-33	0.384531	6.62E-18	0.222596
0.118836	0.01016	0.138367	0.00273	0.296013	6.73E-11	-0.00562	0.90357	-0.01643
-0.22614	7.89E-07	0.116269	0.01192	0.197948	1.64E-05	-0.0372	0.4225	0.040673
0.084705	0.06742	0.342108	2.87E-14	0.432217	1.12E-22	0.087429	0.05904	0.148781
0.066596	0.15075	0.315393	3.03E-12	0.400149	2.20E-19	0.086617	0.06144	0.140117
0.011543	0.80352	0.231316	4.32E-07	0.28137	6.03E-10	0.0581	0.21012	0.056164
0.006573	0.88734	0.224923	9.08E-07	0.331158	2.05E-13	0.025473	0.58295	0.028875
-0.02164	0.64088	0.159381	0.00055	0.181913	7.70E-05	-0.03252	0.48323	-0.024

0.058541	0.20667	0.304373	1.82E-11	0.380304	1.62E-17	0.076258	0.09978	0.083835
-0.07726	0.09539	0.149192	0.00122	0.170858	0.00021	0.085722	0.06418	0.06055
0.069013	0.13644	0.141283	0.00221	0.233266	3.43E-07	0.032777	0.47981	-0.05484
0.09586	0.03838	0.33518	1.01E-13	0.289952	1.69E-10	-0.00485	0.91676	0.160608
0.136962	0.00302	0.350987	5.52E-15	0.421485	1.55E-21	0.169193	0.00024	0.170313
0.280703	6.64E-10	0.611517	3.10E-49	0.727072	5.77E-78	0.240469	1.44E-07	0.399317
0.336423	8.05E-14	0.505538	1.15E-31	0.668701	7.86E-62	0.218674	1.84E-06	0.212421
0.203336	9.48E-06	0.361612	7.13E-16	0.454784	3.23E-25	0.105373	0.02276	0.155568
0.155491	0.00075	-0.23289	3.59E-07	-0.42921	2.35E-22	0.013671	0.76826	-0.02109
0.22628	7.77E-07	0.536165	4.10E-36	0.621852	2.55E-51	0.202958	9.86E-06	0.280229
0.026139	0.57312	0.303006	2.26E-11	0.309143	8.45E-12	-0.0042	0.9279	0.033134
0.067664	0.14429	0.21795	1.99E-06	0.351036	5.46E-15	-0.04212	0.3638	-0.0223
0.117424	0.0111	0.243538	9.86E-08	0.321611	1.07E-12	0.032724	0.48052	0.019531
0.215626	2.57E-06	0.433696	7.71E-23	0.516064	3.83E-33	0.184192	6.23E-05	0.168713
0.050901	0.27231	0.414447	8.25E-21	0.428474	2.82E-22	0.080648	0.08169	0.231239
0.097894	0.03444	0.391361	1.53E-18	0.502201	3.30E-31	0.12885	0.00529	0.176237
0.203084	9.73E-06	0.405588	6.42E-20	0.520738	8.12E-34	0.182303	7.42E-05	0.228604
-0.33381	1.28E-13	-0.50918	3.60E-32	-0.44736	2.32E-24	-0.23254	3.74E-07	-0.30266
0.194809	2.24E-05	0.463699	2.84E-26	0.341601	3.15E-14	0.290053	1.67E-10	0.414176
-0.00606	0.89608	0.280687	6.66E-10	0.350831	5.68E-15	0.032286	0.48642	0.067238
0.172396	0.00018	0.307649	1.08E-11	0.31207	5.24E-12	0.178124	0.00011	0.120775
0.008355	0.8571	0.320079	1.38E-12	0.389044	2.52E-18	0.113284	0.01431	0.149363
0.099484	0.0316	0.187809	4.42E-05	0.239483	1.62E-07	0.017638	0.70382	-0.04971
-0.07003	0.13075	0.080374	0.08273	0.136707	0.00307	-0.0502	0.27899	-0.11594
0.100029	0.03067	0.417469	4.04E-21	0.504147	1.79E-31	0.13115	0.00453	0.197874
0.007	0.88007	0.242587	1.11E-07	0.25974	1.23E-08	0.113344	0.01426	0.234456
0.268341	3.82E-09	0.55551	3.63E-39	0.654867	1.57E-58	0.255898	2.04E-08	0.335861
0.128036	0.00559	0.411647	1.59E-20	0.539277	1.36E-36	0.127743	0.0057	0.145632
0.063178	0.17289	0.145179	0.00166	0.21555	2.59E-06	0.015616	0.73643	-0.01589
0.058714	0.20533	0.127217	0.00591	0.219312	1.71E-06	-0.05728	0.21659	0.012969
0.054027	0.24392	0.313516	4.13E-12	0.444907	4.40E-24	0.098588	0.03317	0.096368
0.060526	0.19167	0.244412	8.85E-08	0.381946	1.14E-17	0.035151	0.44855	0.073727
0.111571	0.01586	0.36893	1.67E-16	0.453342	4.76E-25	0.096596	0.03691	0.191818
0.151022	0.00106	0.379188	2.04E-17	0.470065	4.79E-27	0.097511	0.03515	0.168305
0.050943	0.27193	0.326914	4.30E-13	0.395614	6.02E-19	0.077978	0.09234	0.155882
0.109801	0.01761	0.409708	2.49E-20	0.536331	3.87E-36	0.141286	0.00221	0.151449
0.096078	0.03794	0.333445	1.37E-13	0.415888	5.88E-21	0.082013	0.07664	0.154316
0.058347	0.20818	0.326061	4.98E-13	0.404548	8.14E-20	0.075469	0.10335	0.160168
0.150844	0.00108	0.413252	1.09E-20	0.516	3.91E-33	0.144601	0.00173	0.199798
0.025972	0.57559	0.126566	0.00617	0.194552	2.30E-05	0.020462	0.65917	-0.04425
0.035698	0.44152	0.252003	3.38E-08	0.292649	1.13E-10	0.059076	0.20254	0.139244
0.073582	0.11228	0.254735	2.37E-08	0.429503	2.19E-22	-0.00742	0.87302	0.022806
0.174915	0.00015	0.34627	1.33E-14	0.462785	3.66E-26	0.111568	0.01586	0.1449
0.001285	0.97791	0.199065	1.47E-05	0.32509	5.89E-13	-0.02405	0.60419	-0.01658
0.099086	0.03229	0.379994	1.72E-17	0.472728	2.25E-27	0.142938	0.00196	0.144196

0.092761	0.04512	0.363802	4.64E-16	0.475329	1.07E-27	0.102349	0.02699	0.121129
0.031531	0.49667	0.223554	1.06E-06	0.266029	5.25E-09	0.033135	0.47503	0.101351
0.064698	0.16276	0.229292	5.48E-07	0.272673	2.09E-09	0.077667	0.09365	0.114493
0.049165	0.28903	0.254733	2.37E-08	0.276668	1.19E-09	0.105431	0.02269	0.164912
0.073722	0.1116	0.229236	5.52E-07	0.294239	8.84E-11	-0.01491	0.74798	0.110633
0.010315	0.82407	0.116237	0.01195	0.239765	1.57E-07	0.002404	0.95869	-0.04249
0.080354	0.08281	0.197577	1.70E-05	0.224669	9.34E-07	0.052565	0.25693	0.054177
0.123203	0.00769	0.377286	3.03E-17	0.480076	2.70E-28	0.109334	0.0181	0.147673
-0.02582	0.57789	0.230432	4.80E-07	0.319343	1.57E-12	0.000909	0.98438	0.001218
0.035563	0.44325	0.271375	2.51E-09	0.3985	3.17E-19	0.045222	0.32949	0.072032
0.051041	0.271	0.320538	1.28E-12	0.413398	1.06E-20	0.087668	0.05835	0.096819
0.107778	0.01982	0.344419	1.88E-14	0.440417	1.40E-23	0.112643	0.01487	0.114937
-0.06752	0.14518	0.188762	4.04E-05	0.281266	6.12E-10	-0.01567	0.73563	0.005683
0.049596	0.28482	0.297958	4.98E-11	0.455465	2.69E-25	0.046547	0.3155	0.087485
0.102154	0.02728	0.391873	1.37E-18	0.483348	1.03E-28	0.120191	0.00933	0.150947
0.07357	0.11234	0.312214	5.12E-12	0.395267	6.49E-19	0.083315	0.07206	0.120128
0.090925	0.04956	0.335697	9.17E-14	0.430186	1.85E-22	0.090785	0.04992	0.132786
0.111954	0.0155	0.33983	4.35E-14	0.427597	3.50E-22	0.078823	0.08886	0.125324
0.011056	0.81166	0.223632	1.05E-06	0.259439	1.28E-08	0.054029	0.2439	0.083977
0.112675	0.01484	0.388477	2.85E-18	0.510751	2.16E-32	0.121097	0.0088	0.157805
0.137248	0.00296	0.36938	1.52E-16	0.468308	7.86E-27	0.14266	0.002	0.210604
0.106507	0.02133	0.376667	3.44E-17	0.480498	2.38E-28	0.114215	0.01352	0.143118
0.009927	0.83057	0.172169	0.00019	0.201442	1.15E-05	-0.00353	0.93931	0.088258
0.096385	0.03733	0.357947	1.46E-15	0.438287	2.42E-23	0.112715	0.01481	0.1421
0.073311	0.11362	0.192018	2.95E-05	0.28735	2.50E-10	-0.04382	0.34475	0.003407
0.072992	0.1152	0.337123	7.10E-14	0.405437	6.65E-20	0.096607	0.03689	0.160734
0.094195	0.04189	0.311682	5.59E-12	0.453023	5.18E-25	0.067154	0.14735	0.077371
0.09188	0.04721	0.204676	8.25E-06	0.267153	4.50E-09	0.099618	0.03137	0.105444
-0.01687	0.71613	0.17964	9.48E-05	0.298801	4.37E-11	-0.00331	0.94305	-0.02882
0.100913	0.02922	0.406676	5.01E-20	0.534678	6.91E-36	0.095754	0.0386	0.149371
0.044613	0.33605	0.295148	7.69E-11	0.327477	3.90E-13	0.079955	0.08435	0.155655
0.036726	0.42849	0.196017	1.99E-05	0.20968	4.88E-06	0.044226	0.34027	0.150369
0.099001	0.03244	0.287758	2.35E-10	0.338534	5.51E-14	0.041826	0.36715	0.079595
0.13764	0.00288	0.226289	7.76E-07	0.468814	6.81E-27	0.071394	0.1234	0.00458
0.28037	6.97E-10	0.259229	1.31E-08	0.324998	5.98E-13	0.199398	1.42E-05	0.183766
0.126779	0.00608	0.382049	1.12E-17	0.511546	1.67E-32	0.163012	0.0004	0.115042
0.1212	0.00875	0.418575	3.11E-21	0.505078	1.33E-31	0.117019	0.01138	0.175923
0.108447	0.01907	0.352851	3.87E-15	0.463986	2.62E-26	0.103903	0.02474	0.111337
0.128004	0.0056	0.340294	4.00E-14	0.434097	6.97E-23	0.077127	0.09596	0.07102
0.066491	0.1514	0.314094	3.76E-12	0.430647	1.65E-22	0.062683	0.17628	0.071948
0.097508	0.03516	0.365261	3.47E-16	0.476812	6.96E-28	0.103551	0.02524	0.111524
0.116831	0.01152	0.437243	3.15E-23	0.547649	6.67E-38	0.164385	0.00036	0.223412
0.237635	2.03E-07	0.310598	6.67E-12	0.384311	6.94E-18	0.171175	0.0002	0.027177
0.142517	0.00202	0.363057	5.37E-16	0.388021	3.14E-18	0.042618	0.35813	0.134175
0.118897	0.01012	0.20368	9.15E-06	0.276228	1.26E-09	0.072057	0.11994	0.058618



0.183428	6.69E-05	0.226904	7.23E-07	0.364811	3.80E-16	0.029686	0.52221	0.01887
0.121728	0.00846	0.416367	5.25E-21	0.541178	6.93E-37	0.120162	0.00934	0.164743
0.231037	4.47E-07	0.545624	1.40E-37	0.615977	3.99E-50	0.207011	6.47E-06	0.24461
0.099074	0.03231	0.383219	8.75E-18	0.510319	2.49E-32	0.128499	0.00542	0.120204
0.189345	3.82E-05	0.441754	9.96E-24	0.550326	2.50E-38	0.146968	0.00145	0.120904
0.145373	0.00163	0.443665	6.08E-24	0.540491	8.85E-37	0.159803	0.00053	0.203131
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0.089272	0.05387	0.441698	1.01E-23	0.466467	1.32E-26	0.108761	0.01872	0.193765
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0.125986	0.00641	0.37509	4.76E-17	0.326094	4.95E-13	0.181751	7.81E-05	0.205416
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0.14681	0.00147	0.477493	5.72E-28	0.537093	2.96E-36	0.146707	0.00148	0.231371
0.067546	0.145	0.244175	9.11E-08	0.353373	3.51E-15	-0.05729	0.21653	0.099845
0.111801	0.01564	0.422147	1.32E-21	0.551675	1.52E-38	0.151059	0.00106	0.149968
0.149506	0.00119	0.304775	1.70E-11	0.37597	3.97E-17	-0.08963	0.0529	0.116599
0.123845	0.00737	0.357281	1.66E-15	0.526203	1.29E-34	0.111468	0.01596	0.07223
0.174164	0.00016	0.371804	9.32E-17	0.606898	2.50E-48	0.115669	0.01237	0.115077
0.052258	0.25972	0.199827	1.36E-05	0.267035	4.57E-09	0.075904	0.10136	0.114793
0.098363	0.03358	0.309454	8.03E-12	0.297388	5.44E-11	0.115316	0.01264	0.147339
0.103024	0.02599	0.432151	1.13E-22	0.532977	1.25E-35	0.144011	0.00181	0.214463
0.192174	2.90E-05	0.213853	3.12E-06	0.283058	4.71E-10	0.001844	0.9683	-0.05253
0.198509	1.55E-05	0.540076	1.03E-36	0.614528	7.80E-50	0.206717	6.67E-06	0.280754
0.150926	0.00107	0.352089	4.48E-15	0.449325	1.38E-24	0.125639	0.00656	0.13653
0.095997	0.0381	0.167652	0.00027	0.245552	7.67E-08	0.037854	0.41443	0.052038
0.039171	0.39837	0.122456	0.00807	0.18965	3.71E-05	-0.08041	0.08259	-0.00162
0.0968	0.03651	0.19403	2.42E-05	0.288877	1.99E-10	0.068295	0.14058	0.05944
0.134588	0.00357	0.348879	8.20E-15	0.434826	5.81E-23	0.126606	0.00615	0.118534
0.004012	0.93109	-0.32525	5.73E-13	-0.29881	4.36E-11	-0.06962	0.133	-0.22914
0.013703	0.76773	0.362763	5.69E-16	0.367634	2.16E-16	0.033907	0.46479	0.071543
0.06978	0.13213	0.37819	2.51E-17	0.439113	1.96E-23	0.138488	0.00271	0.177241
0.227428	6.81E-07	0.509721	3.02E-32	0.632996	1.18E-53	0.184433	6.09E-05	0.238551
-0.06315	0.17308	0.233554	3.32E-07	0.368722	1.74E-16	-0.01433	0.75749	0.092235
0.074751	0.10668	0.280428	6.91E-10	0.354409	2.88E-15	0.099314	0.03189	0.036537
0.137828	0.00284	0.508191	4.93E-32	0.524878	2.02E-34	0.147321	0.00141	0.235601
0.059505	0.19928	0.19751	1.71E-05	0.317235	2.23E-12	-0.02353	0.61204	0.022217
0.132808	0.00404	0.419249	2.65E-21	0.528637	5.60E-35	0.160723	0.00049	0.173944
-0.01199	0.79604	0.229955	5.07E-07	0.293995	9.17E-11	-0.06841	0.13992	-0.08171
-0.01468	0.75168	0.145837	0.00158	0.24505	8.17E-08	-0.12584	0.00647	-0.12299
0.117375	0.01113	0.4319	1.21E-22	0.568181	2.81E-41	0.147085	0.00144	0.166756
0.013529	0.77059	0.200141	1.31E-05	0.320312	1.33E-12	-0.0077	0.86827	0.008387
0.042149	0.36345	0.233811	3.22E-07	0.335953	8.76E-14	0.015586	0.73692	0.057002
-0.02241	0.62902	0.159976	0.00052	0.247083	6.33E-08	-0.01742	0.70732	0.005752
0.04441	0.33826	0.301201	3.00E-11	0.397933	3.60E-19	0.076925	0.09684	0.085176
0.006827	0.88303	0.224609	9.41E-07	0.331616	1.89E-13	0.003518	0.93956	0.034156

0.069353	0.13452	0.279481	7.93E-10	0.374562	5.31E-17	0.061925	0.18158	0.081947
-0.14808	0.00133	-0.38468	6.41E-18	-0.49224	7.18E-30	-0.0897	0.05273	-0.44351
-0.1076	0.02002	0.223618	1.05E-06	0.13116	0.00452	0.09802	0.0342	0.208019
0.205129	7.87E-06	0.498655	1.00E-30	0.612599	1.89E-49	0.128919	0.00527	0.207325
0.078352	0.09079	0.231101	4.44E-07	0.318859	1.70E-12	0.029618	0.52316	0.032683
0.058464	0.20727	-0.34941	7.42E-15	-0.30014	3.54E-11	0.02746	0.55389	0.02163
0.253679	2.72E-08	0.360266	9.28E-16	0.4996	7.45E-31	0.0993	0.03192	0.114327
0.023632	0.61047	0.350732	5.79E-15	0.299054	4.20E-11	-0.00132	0.97738	-0.05397
0.122446	0.00807	0.443498	6.35E-24	0.556142	2.86E-39	0.162621	0.00042	0.140023
0.111178	0.01623	0.320517	1.28E-12	0.38741	3.58E-18	0.070584	0.12772	0.115651
0.198319	1.58E-05	0.445144	4.14E-24	0.443893	5.73E-24	0.135518	0.00334	0.114846
0.407673	3.98E-20	0.524799	2.07E-34	0.70912	1.41E-72	0.273085	1.97E-09	0.39479
0.369411	1.51E-16	0.439112	1.96E-23	0.521753	5.78E-34	0.204351	8.54E-06	0.17697
0.149256	0.00122	0.514541	6.31E-33	0.510948	2.03E-32	0.181839	7.75E-05	0.265007
0.042342	0.36126	0.266613	4.85E-09	0.377149	3.11E-17	0.105672	0.02238	0.053493
0.078477	0.09027	0.402148	1.40E-19	0.486968	3.52E-29	0.113822	0.01385	0.180307
0.111345	0.01607	0.205388	7.66E-06	0.276427	1.23E-09	-0.00133	0.97715	0.004735
0.07581	0.10179	0.210466	4.49E-06	0.243885	9.45E-08	0.045986	0.32138	0.088816
-0.00084	0.98561	0.252087	3.34E-08	0.33565	9.24E-14	0.046068	0.32051	0.121706
0.033238	0.47365	0.243277	1.02E-07	0.298684	4.45E-11	0.095505	0.03911	0.092945
0.087552	0.05868	0.279751	7.62E-10	0.310729	6.53E-12	0.137531	0.0029	0.117791
0.077396	0.09481	0.188816	4.02E-05	0.222122	1.25E-06	0.056441	0.22345	0.025081
0.272128	2.26E-09	0.591773	1.85E-45	0.57704	8.28E-43	0.188837	4.01E-05	0.181454
0.118349	0.01048	0.40935	2.71E-20	0.363678	4.75E-16	0.240057	1.51E-07	0.215282
-0.03084	0.50616	0.249935	4.41E-08	0.248354	5.39E-08	-0.00463	0.92047	0.023784
-0.1679	0.00027	0.05972	0.19766	0.147561	0.00138	-0.09453	0.04116	0.009792
0.108073	0.01949	0.423959	8.51E-22	0.564846	1.03E-40	0.14739	0.0014	0.165726
0.145803	0.00158	0.442669	7.86E-24	0.494111	4.06E-30	0.198461	1.56E-05	0.280822
-0.00556	0.90468	0.273152	1.95E-09	0.361197	7.74E-16	0.097181	0.03578	0.168971
0.20713	6.39E-06	-0.11495	0.01293	-0.24464	8.59E-08	0.157926	0.00061	0.080246
0.015628	0.73623	0.338973	5.09E-14	0.354282	2.95E-15	0.046679	0.31413	0.1227
0.068685	0.13832	-0.26586	5.37E-09	-0.17533	0.00014	0.017421	0.7073	-0.05696
0.402286	1.36E-19	0.65826	2.52E-59	0.631781	2.14E-53	0.28796	2.28E-10	0.357919
0.218378	1.90E-06	0.479448	3.24E-28	0.503153	2.45E-31	0.178368	0.00011	0.222667
0.179778	9.36E-05	0.381141	1.36E-17	0.401068	1.79E-19	0.190547	3.40E-05	0.250887
-0.07207	0.11985	0.214864	2.79E-06	0.321821	1.03E-12	0.009183	0.8431	0.121697
0.118594	0.01032	0.499977	6.62E-31	0.595971	3.06E-46	0.163987	0.00037	0.18991
0.144615	0.00173	0.429722	2.07E-22	0.444664	4.69E-24	0.187972	4.36E-05	0.194463
0.153321	0.00089	0.480489	2.39E-28	0.564543	1.16E-40	0.170287	0.00022	0.216042
0.110843	0.01656	0.337426	6.72E-14	0.406594	5.10E-20	0.050592	0.27524	0.030287
0.109221	0.01822	0.228038	6.34E-07	0.232973	3.56E-07	0.076393	0.09918	0.088675
0.101812	0.02781	0.568168	2.82E-41	0.525325	1.73E-34	0.16701	0.00029	0.273309
0.186199	5.16E-05	0.453758	4.26E-25	0.57874	4.16E-43	0.212184	3.73E-06	0.240152
0.216773	2.26E-06	0.433247	8.63E-23	0.504376	1.66E-31	0.198431	1.56E-05	0.2814
0.287765	2.35E-10	0.419437	2.53E-21	0.477762	5.29E-28	0.222129	1.25E-06	0.20556

0.330918	2.14E-13	0.528995	4.95E-35	0.58012	2.37E-43	0.277221	1.10E-09	0.324059
0.118315	0.0105	0.24325	1.02E-07	0.26813	3.93E-09	0.085583	0.06462	0.139703
0.152155	0.00097	0.44071	1.30E-23	0.450819	9.32E-25	0.133672	0.0038	0.142674
0.157561	0.00063	0.493969	4.24E-30	0.610617	4.67E-49	0.190259	3.50E-05	0.242149
0.156086	0.00071	0.391097	1.62E-18	0.46477	2.11E-26	0.166941	0.00029	0.180869
0.346864	1.20E-14	0.414447	8.25E-21	0.525709	1.52E-34	0.306455	1.30E-11	0.23473
0.071351	0.12363	0.156406	0.00069	0.210112	4.66E-06	0.084555	0.06791	0.107652
0.086461	0.06191	0.389907	2.09E-18	0.40311	1.13E-19	0.161713	0.00045	0.163564
0.163473	0.00039	0.309034	8.60E-12	0.425084	6.48E-22	0.139381	0.00254	0.063809
0.32991	2.55E-13	0.507304	6.55E-32	0.488991	1.92E-29	0.222809	1.15E-06	0.228322
0.07913	0.08762	0.20754	6.12E-06	0.273406	1.89E-09	0.050976	0.27161	0.041059
0.009325	0.84072	0.176615	0.00012	0.228749	5.84E-07	0.066175	0.15335	0.05726
0.108716	0.01877	0.383132	8.91E-18	0.513915	7.74E-33	0.125454	0.00664	0.110132
0.227042	7.12E-07	0.531666	1.97E-35	0.561282	4.07E-40	0.255233	2.22E-08	0.351634
0.133539	0.00384	0.533935	8.96E-36	0.590919	2.65E-45	0.186074	5.22E-05	0.227945
0.212329	3.67E-06	0.542556	4.23E-37	0.628926	8.60E-53	0.194876	2.23E-05	0.305076
0.240714	1.40E-07	0.326978	4.25E-13	0.409416	2.67E-20	0.073599	0.1122	0.170042
0.260446	1.12E-08	0.389278	2.40E-18	0.413663	9.92E-21	0.168044	0.00026	0.112539
0.068364	0.14018	0.278975	8.53E-10	0.26182	9.28E-09	0.031353	0.49911	0.013769
0.228346	6.12E-07	0.293525	9.85E-11	0.438158	2.50E-23	0.013108	0.77754	0.076331
0.09228	0.04625	0.277602	1.04E-09	0.31654	2.50E-12	0.064593	0.16344	0.0743
0.214861	2.79E-06	0.464352	2.37E-26	0.513314	9.42E-33	0.223275	1.10E-06	0.23529
0.099675	0.03127	0.36482	3.79E-16	0.333405	1.38E-13	0.131244	0.0045	0.224969
0.137032	0.003	0.439204	1.91E-23	0.519843	1.10E-33	0.15713	0.00066	0.19781
0.171518	0.0002	0.43708	3.29E-23	0.463955	2.65E-26	0.148036	0.00134	0.251678
0.129649	0.00501	0.352809	3.91E-15	0.438081	2.55E-23	0.107126	0.02059	0.096381
0.057913	0.21159	0.26043	1.12E-08	0.290765	1.50E-10	0.030355	0.51287	0.01079
0.205061	7.93E-06	0.338143	5.91E-14	0.491933	7.88E-30	0.097728	0.03475	0.14297
0.182545	7.26E-05	0.364022	4.44E-16	0.380175	1.66E-17	0.061349	0.18568	0.228765
0.030508	0.51075	0.164769	0.00035	0.150863	0.00107	0.080828	0.081	0.166139
0.042159	0.36334	0.270908	2.68E-09	0.322961	8.48E-13	0.00751	0.87142	0.0987
-0.1439	0.00182	0.143707	0.00185	-0.10249	0.02678	0.058035	0.21063	0.010323
-0.04854	0.29519	-0.43925	1.89E-23	-0.31397	3.84E-12	-0.18018	9.02E-05	-0.386
0.09926	0.03199	0.229459	5.38E-07	0.353159	3.65E-15	0.001725	0.97035	-0.05853
0.140818	0.00229	0.370085	1.32E-16	0.445485	3.79E-24	0.094867	0.04044	0.016723
0.145127	0.00166	0.069985	0.131	0.175483	0.00014	0.078309	0.09096	-0.08034
-0.01734	0.7086	0.220885	1.43E-06	0.229798	5.17E-07	-0.12399	0.0073	-0.08162
0.067136	0.14746	0.280872	6.48E-10	0.344262	1.94E-14	0.00443	0.92393	0.050854
0.138252	0.00275	0.309204	8.36E-12	0.378645	2.28E-17	0.152112	0.00098	0.12539
0.033533	0.46974	-0.35258	4.08E-15	-0.2837	4.29E-10	-0.11193	0.01552	-0.03326
0.071272	0.12404	0.273129	1.96E-09	0.398572	3.12E-19	0.086527	0.06171	0.065075
-0.1425	0.00202	0.213936	3.09E-06	0.153068	0.0009	-0.00573	0.90169	0.17605
0.060805	0.18962	0.190077	3.56E-05	0.255349	2.19E-08	0.051322	0.26836	0.010805
0.123428	0.00758	0.272357	2.19E-09	0.36495	3.69E-16	0.076039	0.10076	0.036463
0.053641	0.2473	0.382037	1.12E-17	0.479057	3.63E-28	0.075739	0.10211	0.138369

-0.04923	0.28836	-0.27009	3.00E-09	-0.2192	1.73E-06	-0.16187	0.00044	-0.21274
0.188702	4.06E-05	0.415557	6.36E-21	0.371642	9.63E-17	0.341155	3.42E-14	0.201618
0.059208	0.20153	0.335213	9.99E-14	0.39287	1.10E-18	0.061545	0.18428	0.124885
-0.01889	0.68392	0.121345	0.00867	0.189324	3.83E-05	-0.02172	0.63971	-0.03467
0.090246	0.0513	0.306516	1.29E-11	0.280726	6.62E-10	0.232043	3.97E-07	0.297711
0.174688	0.00015	0.422046	1.35E-21	0.400027	2.26E-19	0.062647	0.17653	0.183631
0.120379	0.00922	0.382555	1.01E-17	0.437986	2.61E-23	0.046094	0.32024	0.136345
0.040706	0.38013	0.28402	4.09E-10	0.289808	1.73E-10	0.13878	0.00265	0.236321
0.120676	0.00904	0.23143	4.27E-07	0.287308	2.52E-10	0.065837	0.15547	0.04609
0.081179	0.07969	0.266861	4.68E-09	0.30138	2.92E-11	0.096014	0.03807	0.211696
-0.05546	0.23161	0.046447	0.31655	0.149698	0.00118	-0.07702	0.09641	-0.0661
0.019912	0.66779	-0.376	3.95E-17	-0.25844	1.46E-08	-0.0128	0.78256	-0.02049
0.07928	0.08702	0.416611	4.95E-21	0.462208	4.29E-26	0.100478	0.02993	0.074923
0.150056	0.00114	0.283222	4.60E-10	0.29352	9.86E-11	0.048235	0.29825	0.011048
0.005001	0.91417	0.319486	1.53E-12	0.164214	0.00037	0.138067	0.00279	0.256006
0.037988	0.41277	0.189679	3.70E-05	0.121938	0.00834	-0.00201	0.96538	-0.00496
0.086567	0.06159	0.178779	0.0001	0.292944	1.08E-10	0.026858	0.56261	0.000914
0.042177	0.36314	0.310887	6.36E-12	0.399183	2.73E-19	-0.00547	0.9062	0.088532
-0.04396	0.34319	0.206393	6.90E-06	0.215387	2.64E-06	0.01709	0.71261	0.162671
-0.06405	0.16702	0.073605	0.11217	0.181246	8.18E-05	-0.09111	0.04909	-0.07033
0.090955	0.04949	0.396805	4.62E-19	0.463636	2.89E-26	0.119388	0.00981	0.180903
0.13895	0.00262	0.201887	1.10E-05	0.295366	7.43E-11	-0.02009	0.66505	-0.01801
0.057563	0.21437	0.193499	2.55E-05	0.203965	8.88E-06	0.058104	0.21008	0.139323
-0.01377	0.76669	0.202847	9.97E-06	0.242928	1.06E-07	-0.00946	0.83847	0.035055
0.250828	3.93E-08	0.50041	5.79E-31	0.660997	5.69E-60	0.145814	0.00158	0.134266
-0.03303	0.4764	0.085246	0.06568	0.166642	0.0003	-0.03429	0.4598	-0.10208
-0.01484	0.74901	0.31984	1.44E-12	0.240655	1.41E-07	0.029394	0.52631	0.032443
0.160918	0.00048	0.473707	1.70E-27	0.586248	1.89E-44	0.228508	6.01E-07	0.238872
-0.10018	0.03043	-0.17402	0.00016	-0.33642	8.05E-14	0.033287	0.47299	0.046112
0.20495	8.02E-06	0.40433	8.55E-20	0.338958	5.10E-14	0.132774	0.00405	0.195665
0.179039	0.0001	-0.20431	8.57E-06	-0.21878	1.81E-06	0.001487	0.97443	-0.1241
0.220316	1.53E-06	0.526355	1.22E-34	0.53067	2.78E-35	0.189966	3.60E-05	0.167113
0.089035	0.05452	0.297432	5.40E-11	0.380621	1.51E-17	0.080322	0.08293	0.117333
0.120927	0.0089	0.202623	1.02E-05	0.319994	1.40E-12	0.102389	0.02693	0.139218
0.190833	3.31E-05	0.227487	6.76E-07	0.363962	4.49E-16	0.090141	0.05157	0.117542
0.038092	0.41149	0.44136	1.10E-23	0.383686	7.92E-18	0.126122	0.00635	0.250505
0.182219	7.48E-05	0.47477	1.25E-27	0.599095	7.88E-47	0.185131	5.70E-05	0.201011
0.220445	1.51E-06	0.469695	5.31E-27	0.606346	3.20E-48	0.202582	1.02E-05	0.194719
0.109016	0.01844	0.234713	2.89E-07	0.290655	1.52E-10	0.154669	0.0008	0.083714
0.065678	0.15647	0.409587	2.56E-20	0.542131	4.92E-37	0.108021	0.01955	0.129668
0.022571	0.6266	0.091317	0.04859	0.225874	8.14E-07	0.014539	0.754	-0.0471
0.23458	2.94E-07	0.300798	3.20E-11	0.355454	2.36E-15	0.127408	0.00583	0.082677
0.153834	0.00085	0.440181	1.49E-23	0.545271	1.59E-37	0.128567	0.00539	0.12461
-0.00299	0.94869	0.217698	2.04E-06	0.224871	9.13E-07	0.130527	0.00472	0.268964
0.074098	0.10978	0.365009	3.65E-16	0.4644	2.34E-26	0.103245	0.02567	0.154346

0.034812	0.45295	0.327276	4.04E-13	0.436673	3.64E-23	0.05254	0.25716	0.101349
0.12003	0.00942	0.317771	2.04E-12	0.437947	2.64E-23	0.134401	0.00362	0.104029
0.034195	0.46101	0.159328	0.00055	0.160428	0.0005	-0.09184	0.04731	0.03019
0.144008	0.00181	0.501518	4.09E-31	0.552781	1.01E-38	0.173844	0.00016	0.284574
0.094467	0.0413	-0.3615	7.30E-16	-0.29329	1.02E-10	-0.01101	0.8125	-0.17615
0.140806	0.00229	0.43909	1.97E-23	0.550729	2.15E-38	0.153592	0.00087	0.200622
0.140478	0.00234	0.454912	3.12E-25	0.558661	1.10E-39	0.18391	6.39E-05	0.192451
0.127576	0.00577	0.250051	4.34E-08	0.301708	2.77E-11	0.002321	0.96011	-0.02818
0.090765	0.04997	0.220859	1.44E-06	0.225589	8.41E-07	-0.04194	0.36582	-0.08835
0.108253	0.01928	0.455138	2.94E-25	0.546864	8.89E-38	0.145892	0.00157	0.216127
0.085468	0.06498	0.143955	0.00182	0.285265	3.41E-10	-0.07235	0.11846	-0.13831
0.138305	0.00274	0.22499	9.01E-07	0.232655	3.69E-07	0.001313	0.97742	0.0211
0.258577	1.43E-08	0.45733	1.63E-25	0.503481	2.21E-31	0.213765	3.15E-06	0.15467
-0.01201	0.7958	0.128631	0.00537	0.198387	1.57E-05	-0.05863	0.20595	0.02819
0.028796	0.53476	0.188146	4.28E-05	0.261638	9.51E-09	-0.06343	0.17114	0.018841
0.113237	0.01435	-0.15112	0.00105	-0.1265	0.00619	0.002491	0.95718	-0.03982
0.083161	0.07259	0.27313	1.96E-09	0.36464	3.93E-16	-0.00489	0.91598	0.12585
0.044272	0.33977	0.163315	0.00039	0.205901	7.26E-06	-0.06995	0.13119	-0.01472
0.100989	0.0291	0.424544	7.39E-22	0.474186	1.48E-27	0.058281	0.20869	0.151536
0.150343	0.00112	0.474146	1.50E-27	0.59898	8.29E-47	0.172287	0.00018	0.208828
0.272748	2.07E-09	0.624009	9.16E-52	0.518481	1.72E-33	0.228608	5.94E-07	0.336269
0.211597	3.97E-06	0.520502	8.79E-34	0.573701	3.17E-42	0.224986	9.01E-07	0.179992
0.323705	7.47E-13	0.628302	1.16E-52	0.621394	3.17E-51	0.241191	1.32E-07	0.297707
0.163614	0.00038	0.477437	5.81E-28	0.625497	4.50E-52	0.18342	6.69E-05	0.195863
0.148933	0.00125	0.470243	4.55E-27	0.601663	2.56E-47	0.173381	0.00017	0.191041
0.264471	6.49E-09	0.548698	4.54E-38	0.632459	1.53E-53	0.23528	2.70E-07	0.197495
0.091421	0.04833	0.490945	1.06E-29	0.518519	1.70E-33	0.149438	0.0012	0.184776
0.098569	0.03321	0.389598	2.24E-18	0.492077	7.54E-30	0.135764	0.00329	0.184592
0.120987	0.00887	0.37462	5.25E-17	0.50262	2.89E-31	0.12772	0.00571	0.119361
0.093985	0.04235	0.382919	9.32E-18	0.461406	5.35E-26	0.091966	0.047	0.175763
0.14588	0.00157	0.422051	1.35E-21	0.534072	8.54E-36	0.164727	0.00035	0.132074
0.15282	0.00092	0.476382	7.88E-28	0.596351	2.59E-46	0.175714	0.00014	0.205156
0.171737	0.00019	0.492377	6.89E-30	0.617172	2.29E-50	0.18251	7.28E-05	0.207283
0.054349	0.24111	0.258927	1.37E-08	0.368493	1.82E-16	0.079204	0.08732	0.097546
0.132075	0.00425	0.330649	2.24E-13	0.418719	3.00E-21	0.067503	0.14525	0.137267
0.114812	0.01304	0.3929	1.09E-18	0.483907	8.74E-29	0.12659	0.00616	0.173037
0.152854	0.00092	0.339673	4.48E-14	0.455092	2.98E-25	0.069533	0.13351	0.098187
0.064158	0.1663	0.185703	5.40E-05	0.221259	1.37E-06	0.106949	0.0208	0.105996
0.104341	0.02414	0.291673	1.31E-10	0.380767	1.47E-17	0.105043	0.0232	0.118205
0.079119	0.08766	0.425687	5.59E-22	0.365327	3.43E-16	0.105816	0.0222	0.198741
0.046696	0.31396	0.352835	3.89E-15	0.43992	1.59E-23	0.081629	0.07803	0.106279
0.045867	0.32263	0.361205	7.73E-16	0.344208	1.95E-14	0.069245	0.13513	0.150343
-0.14934	0.00121	-0.04911	0.28961	0.033869	0.46529	-0.14688	0.00146	-0.20263
0.257184	1.72E-08	0.482197	1.45E-28	0.463846	2.73E-26	0.234639	2.92E-07	0.307851
-0.00266	0.95421	0.072777	0.11628	0.044036	0.34235	0.002929	0.94967	-0.02759

0.167228	0.00028	0.211579	3.98E-06	0.263808	7.10E-09	0.115379	0.0126	-0.09107
-0.15534	0.00076	-0.42873	2.65E-22	-0.45092	9.08E-25	-0.20766	6.04E-06	-0.3297
0.155582	0.00074	0.465862	1.56E-26	0.601175	3.17E-47	0.17621	0.00013	0.190919
0.15837	0.00059	-0.18776	4.45E-05	-0.2748	1.55E-09	-0.02182	0.63806	0.09644
-0.0294	0.52619	-0.22793	6.42E-07	-0.13521	0.00342	0.000108	0.99814	0.149706
0.103898	0.02475	0.348812	8.30E-15	0.47243	2.45E-27	0.052012	0.26197	0.102249
0.073157	0.11438	0.20402	8.83E-06	0.252162	3.31E-08	-0.00818	0.86001	0.00042
0.03069	0.50823	0.289603	1.78E-10	0.341597	3.16E-14	0.091472	0.0482	0.105129
0.048009	0.30053	0.134222	0.00366	0.231969	4.00E-07	-2.57E-06	0.99996	0.030543
0.115231	0.01271	0.391402	1.51E-18	0.50568	1.10E-31	0.142797	0.00198	0.166943
0.064165	0.16626	0.263361	7.54E-09	0.39319	1.02E-18	0.142883	0.00197	0.139202
0.055158	0.23417	0.30813	9.95E-12	0.42181	1.43E-21	0.063644	0.16973	0.080924
0.054906	0.23632	0.31113	6.11E-12	0.392542	1.18E-18	0.058219	0.20918	0.103741
0.150293	0.00112	0.216133	2.43E-06	0.302723	2.36E-11	0.097544	0.03509	0.005631
-0.00895	0.847	0.195474	2.10E-05	0.290668	1.52E-10	0.058097	0.21014	0.034063
-0.02073	0.65501	-0.29838	4.67E-11	-0.08821	0.05681	-0.01739	0.70772	-0.146
0.159498	0.00054	0.346808	1.21E-14	0.285795	3.15E-10	0.196142	1.96E-05	0.238289
0.50961	3.13E-32	0.55921	8.96E-40	0.642285	1.12E-55	0.299001	4.23E-11	0.252713
0.310698	6.56E-12	0.469721	5.28E-27	0.678303	3.16E-64	0.113074	0.01449	0.106105
0.110788	0.01662	0.33046	2.32E-13	0.422039	1.35E-21	0.109314	0.01813	0.164722
0.121395	0.00864	0.38786	3.25E-18	0.507404	6.35E-32	0.146574	0.00149	0.137708
-0.05355	0.24814	0.310802	6.45E-12	0.220843	1.44E-06	0.043462	0.34868	0.145754
0.010567	0.81984	0.284246	3.96E-10	0.257625	1.62E-08	-0.00478	0.91788	0.046924
0.130038	0.00488	0.206365	6.92E-06	0.322965	8.48E-13	-0.02837	0.54081	-0.0823
0.100688	0.02959	0.292417	1.17E-10	0.389013	2.54E-18	0.060983	0.18833	0.09146
0.052182	0.26042	0.24209	1.18E-07	0.271908	2.33E-09	0.08123	0.0795	0.112492
0.116743	0.01158	0.368529	1.81E-16	0.482736	1.24E-28	0.119821	0.00955	0.122679
0.166025	0.00031	0.346081	1.38E-14	0.482888	1.18E-28	0.083641	0.07095	0.102157
0.180789	8.54E-05	-0.23719	2.15E-07	-0.2659	5.34E-09	0.092863	0.04488	-0.11718
0.154049	0.00084	0.278256	9.46E-10	0.27883	8.71E-10	0.174199	0.00015	0.180584
0.060583	0.19125	0.20438	8.51E-06	0.361075	7.93E-16	-0.06217	0.17985	0.006385
0.106657	0.02115	0.40829	3.46E-20	0.549146	3.85E-38	0.117322	0.01117	0.141019
-0.00897	0.84672	0.205663	7.45E-06	0.182097	7.57E-05	0.107169	0.02054	0.191026
0.33706	7.18E-14	0.553782	6.93E-39	0.634907	4.57E-54	0.232655	3.69E-07	0.246966
0.364728	3.86E-16	0.579975	2.51E-43	0.727449	4.40E-78	0.263685	7.22E-09	0.299838
0.193607	2.52E-05	0.526481	1.17E-34	0.606101	3.57E-48	0.172682	0.00018	0.227118
0.086722	0.06113	0.100731	0.02952	0.152775	0.00093	-0.00888	0.84822	-0.09324
0.136085	0.00321	0.333283	1.41E-13	0.475741	9.48E-28	0.155927	0.00072	0.117875
-0.14026	0.00238	0.249887	4.43E-08	0.175751	0.00013	0.123882	0.00736	0.151984
0.106939	0.02081	0.381113	1.36E-17	0.452512	5.94E-25	0.125206	0.00675	0.213832
0.03423	0.46054	0.248393	5.36E-08	0.273053	1.98E-09	0.076327	0.09947	0.136761
0.266963	4.62E-09	0.469196	6.12E-27	0.531898	1.82E-35	0.16343	0.00039	0.136328
0.146532	0.0015	0.458055	1.34E-25	0.593789	7.81E-46	0.154598	0.0008	0.189415
-0.02761	0.55168	0.348009	9.65E-15	0.33252	1.61E-13	0.054632	0.23867	0.130688
0.09973	0.03118	0.372836	7.56E-17	0.487388	3.10E-29	0.10101	0.02907	0.127342

0.113711	0.01394	0.29862	4.49E-11	0.384908	6.11E-18	0.062522	0.1774	0.091332
0.056572	0.22238	-0.30175	2.75E-11	-0.15273	0.00093	-0.06751	0.14522	-0.25846
0.061376	0.18549	0.364449	4.08E-16	0.406251	5.52E-20	0.159519	0.00054	0.240115
0.104426	0.02402	0.179385	9.71E-05	0.280217	7.13E-10	0.111627	0.01581	0.019619
0.144977	0.00168	0.320762	1.23E-12	0.456888	1.83E-25	0.126793	0.00607	0.103529
0.126804	0.00607	0.286278	2.93E-10	0.427923	3.23E-22	0.079678	0.08544	0.073731
-0.02685	0.56275	0.260031	1.18E-08	0.331235	2.02E-13	0.047544	0.30524	0.106371
0.092808	0.04501	0.421658	1.48E-21	0.392597	1.17E-18	0.117405	0.01111	0.157467
0.010818	0.81564	0.157315	0.00065	0.242854	1.07E-07	0.007937	0.86418	0.006088
0.120894	0.00892	0.356714	1.85E-15	0.347805	1.00E-14	0.024458	0.59806	0.045054
0.084996	0.06648	0.390007	2.05E-18	0.477458	5.77E-28	0.093781	0.0428	0.148464
-0.10063	0.02969	-0.23755	2.05E-07	-0.20769	6.02E-06	-0.12444	0.00709	-0.07563
-0.06073	0.19018	0.264062	6.86E-09	0.183632	6.56E-05	0.001646	0.9717	0.078924
0.367433	2.25E-16	0.646874	1.05E-56	0.618183	1.43E-50	0.299745	3.77E-11	0.424628
0.016739	0.71826	0.318108	1.93E-12	0.358333	1.35E-15	0.072306	0.11866	0.174643
0.075878	0.10148	0.163397	0.00039	0.223608	1.05E-06	-0.06538	0.15839	-0.01704
0.180784	8.54E-05	0.46988	5.04E-27	0.500104	6.37E-31	0.195955	2.00E-05	0.250745
0.035207	0.44783	0.309231	8.33E-12	0.40932	2.73E-20	0.071723	0.12168	0.110076
0.285086	3.50E-10	0.40983	2.42E-20	0.492156	7.36E-30	0.152636	0.00094	-0.02928
0.070481	0.12828	0.232285	3.86E-07	0.30837	9.57E-12	0.053968	0.24443	-0.08311
0.132064	0.00425	-0.22395	1.01E-06	-0.28886	1.99E-10	-0.02695	0.5613	-0.19198
0.101699	0.02798	0.203082	9.73E-06	0.326752	4.42E-13	0.115581	0.01244	0.143793
0.145218	0.00165	-0.31906	1.64E-12	-0.21333	3.30E-06	-0.06477	0.16229	-0.08726
-0.28188	5.59E-10	-0.02413	0.60294	-0.10991	0.0175	-0.08904	0.05449	-0.16172
0.133727	0.00379	0.40589	5.99E-20	0.601083	3.30E-47	0.133858	0.00376	0.14313
-0.00931	0.84104	0.257503	1.65E-08	0.311093	6.15E-12	0.049094	0.28973	0.104314
0.091944	0.04705	0.242353	1.14E-07	0.296618	6.13E-11	0.063534	0.17047	0.028916
0.097958	0.03432	0.486396	4.17E-29	0.556091	2.92E-39	0.11373	0.01393	0.202543
0.139872	0.00245	0.276467	1.22E-09	0.353154	3.66E-15	0.034097	0.4623	0.099031
0.079273	0.08704	0.23102	4.48E-07	0.204081	8.78E-06	-0.01145	0.80507	0.102574
0.155487	0.00075	0.373609	6.45E-17	0.371387	1.01E-16	0.014189	0.75975	0.056865
0.434939	5.64E-23	0.685933	3.38E-66	0.696311	5.61E-69	0.314378	3.59E-12	0.369307
0.180131	9.07E-05	0.576395	1.07E-42	0.59293	1.13E-45	0.225453	8.54E-07	0.199501
0.017699	0.70285	0.30922	8.34E-12	0.276947	1.14E-09	-0.00705	0.87922	0.052449
0.216669	2.29E-06	0.570741	1.03E-41	0.525265	1.77E-34	0.15277	0.00093	0.230459
0.258933	1.37E-08	0.476554	7.50E-28	0.453131	5.03E-25	0.180283	8.94E-05	0.246832
0.340271	4.02E-14	0.560754	4.98E-40	0.681661	4.36E-65	0.204219	8.65E-06	0.240768
0.125779	0.0065	0.283124	4.67E-10	0.347808	1.00E-14	-0.0176	0.70443	-0.05034
0.299755	3.76E-11	0.325445	5.54E-13	0.379229	2.02E-17	0.265243	5.84E-09	0.361672
0.086801	0.06089	0.215448	2.62E-06	0.315701	2.88E-12	-0.01718	0.71123	-0.07524
-0.00174	0.97009	0.30013	3.55E-11	0.266916	4.65E-09	-0.01328	0.77463	0.03671
0.466202	1.42E-26	0.671349	1.75E-62	0.800957	#####	0.317827	2.02E-12	0.350359
0.468344	7.78E-27	0.64907	3.36E-57	0.725909	1.33E-77	0.316482	2.53E-12	0.397737
0.336535	7.89E-14	0.390443	1.86E-18	0.423312	9.96E-22	0.211251	4.12E-06	0.18516
0.408346	3.41E-20	0.675434	1.68E-63	0.645629	2.01E-56	0.296102	6.64E-11	0.327503

0.102776	0.02635	0.289935	1.70E-10	0.383422	8.38E-18	0.02141	0.64446	-0.07582
0.059056	0.2027	0.289543	1.80E-10	0.349488	7.32E-15	0.025122	0.58814	-0.02473
0.119649	0.00965	0.322762	8.78E-13	0.344882	1.73E-14	0.014238	0.75894	0.060932
0.071593	0.12235	0.364609	3.95E-16	0.397801	3.71E-19	0.113978	0.01372	0.228153
0.357838	1.49E-15	0.580558	1.98E-43	0.64537	2.30E-56	0.206345	6.94E-06	0.188414
-0.0038	0.93473	0.161144	0.00047	0.209895	4.77E-06	0.044568	0.33655	0.08581
-0.41553	6.39E-21	-0.3278	3.69E-13	-0.44202	9.29E-24	-0.23011	4.98E-07	-0.03952
-0.30555	1.50E-11	-0.31176	5.52E-12	-0.26297	7.95E-09	-0.17516	0.00014	0.080026
-0.41651	5.08E-21	-0.46804	8.47E-27	-0.51042	2.41E-32	-0.12729	0.00588	-0.19019
0.626981	2.20E-52	0.597249	1.76E-46	0.522667	4.26E-34	0.302313	2.52E-11	0.382142
0.361602	7.15E-16	0.284952	3.57E-10	0.295944	6.80E-11	0.133814	0.00377	0.02881
0.528058	6.83E-35	0.349013	8.00E-15	0.441866	9.68E-24	0.118662	0.01027	0.051016
0.475483	1.02E-27	0.376646	3.46E-17	0.313027	4.48E-12	0.293787	9.47E-11	0.126409
0.336171	8.42E-14	0.426056	5.11E-22	0.472681	2.28E-27	0.041615	0.36956	0.011468
0.718654	2.19E-75	0.590967	2.60E-45	0.427594	3.51E-22	0.348743	8.41E-15	0.290455
0.599842	5.69E-47	0.675325	1.79E-63	0.578686	4.25E-43	0.31225	5.09E-12	0.329178
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0.445857	3.44E-24	0.450015	1.15E-24	0.351242	5.26E-15	0.228199	6.22E-07	0.108782
0.58642	1.76E-44	0.647295	8.48E-57	0.523313	3.42E-34	0.298163	4.82E-11	0.3508
0.611624	2.95E-49	0.684416	8.42E-66	0.604526	7.21E-48	0.317058	2.30E-12	0.492943
0.578497	4.59E-43	0.503303	2.33E-31	0.526846	1.03E-34	0.287409	2.48E-10	0.183784
-0.23991	1.54E-07	-0.24721	6.23E-08	-0.16206	0.00044	-0.04135	0.37262	-0.08964
0.359903	9.96E-16	0.252388	3.22E-08	0.172069	0.00019	0.193288	2.60E-05	0.087342
0.332578	1.60E-13	0.287838	2.32E-10	0.328881	3.05E-13	0.133566	0.00383	0.056148
0.542787	3.89E-37	0.325428	5.56E-13	0.242572	1.11E-07	0.260958	1.04E-08	0.046157
0.656144	7.90E-59	0.704631	2.71E-71	0.455953	2.36E-25	0.386212	4.63E-18	0.430526
0.458423	1.21E-25	0.357305	1.65E-15	0.240217	1.49E-07	0.159044	0.00056	0.215402
0.523844	2.86E-34	0.548026	5.81E-38	0.329869	2.57E-13	0.348177	9.35E-15	0.356288
0.256715	1.83E-08	0.249759	4.51E-08	0.350714	5.81E-15	0.097097	0.03594	-0.05
0.473969	1.58E-27	0.323655	7.53E-13	0.328749	3.13E-13	0.130748	0.00465	0.246778
0.29478	8.13E-11	0.284346	3.90E-10	0.241124	1.33E-07	-0.01507	0.74525	0.096846
0.41584	5.95E-21	0.4496	1.29E-24	0.362858	5.58E-16	0.230071	5.00E-07	0.181195
0.344271	1.93E-14	0.28105	6.32E-10	0.154997	0.00078	0.110926	0.01648	0.142477
0.340045	4.19E-14	0.32128	1.13E-12	0.26809	3.96E-09	0.055681	0.22976	0.018484
0.507987	5.27E-32	0.30924	8.31E-12	0.313411	4.21E-12	0.149371	0.00121	-0.00307
0.70604	1.08E-71	0.661287	4.85E-60	0.429873	2.00E-22	0.381765	1.19E-17	0.424363
0.618116	1.48E-50	0.693548	3.17E-68	0.508323	4.73E-32	0.276873	1.15E-09	0.429415
0.418599	3.09E-21	0.342307	2.77E-14	0.165892	0.00032	0.276492	1.22E-09	0.214511
0.18898	3.96E-05	0.255611	2.11E-08	0.13943	0.00253	-0.00735	0.87408	0.046413
0.392895	1.09E-18	0.399017	2.83E-19	0.251247	3.72E-08	0.281505	5.91E-10	0.294051
0.749845	1.88E-85	0.784896	1.03E-98	0.685636	4.04E-66	0.386836	4.05E-18	0.43409
0.529946	3.57E-35	0.506588	8.23E-32	0.385201	5.75E-18	0.289487	1.82E-10	0.24251
0.537948	2.19E-36	0.397711	3.78E-19	0.382004	1.13E-17	0.221386	1.36E-06	0.373384
0.549424	3.48E-38	0.670014	3.74E-62	0.559155	9.15E-40	0.294074	9.06E-11	0.45003
0.316551	2.50E-12	0.324984	6.00E-13	0.378998	2.12E-17	0.038402	0.40769	0.053883



0.310871	6.38E-12	0.075051	0.10528	0.243564	9.83E-08	-0.05115	0.26996	-0.14613
0.564341	1.25E-40	0.522841	4.01E-34	0.585546	2.53E-44	0.181231	8.20E-05	0.220021
0.488202	2.43E-29	0.454662	3.34E-25	0.309297	8.24E-12	0.254595	2.42E-08	0.15982
0.395815	5.76E-19	0.417856	3.69E-21	0.306645	1.26E-11	0.299741	3.77E-11	0.292335
0.342832	2.52E-14	0.336294	8.24E-14	0.234799	2.86E-07	0.011795	0.79933	0.191235
0.330603	2.26E-13	0.344537	1.84E-14	0.314117	3.74E-12	0.081074	0.08008	0.173067
0.265725	5.47E-09	0.30281	2.33E-11	0.342311	2.77E-14	-0.00197	0.96615	0.177777
0.641415	1.74E-55	0.731191	2.91E-79	0.47675	7.09E-28	0.405138	7.12E-20	0.586367
0.39013	1.99E-18	0.253142	2.92E-08	0.203573	9.25E-06	0.097353	0.03545	-0.02344
0.226112	7.92E-07	0.179534	9.58E-05	0.145361	0.00163	0.014886	0.74833	-0.07694
0.318345	1.85E-12	0.290331	1.60E-10	0.162313	0.00043	0.199306	1.43E-05	-0.05211
0.72412	4.75E-77	0.687222	1.55E-66	0.48608	4.58E-29	0.337287	6.89E-14	0.472925
0.630506	3.99E-53	0.711916	2.18E-73	0.614566	7.66E-50	0.380331	1.61E-17	0.406895
0.307078	1.18E-11	0.364815	3.79E-16	0.291208	1.40E-10	0.088523	0.05592	0.219299
0.678265	3.23E-64	0.59251	1.35E-45	0.498965	9.08E-31	0.376149	3.83E-17	0.363817
-0.31814	1.92E-12	-0.27459	1.60E-09	-0.28265	5.00E-10	-0.09817	0.03393	0.085275
-0.32863	3.19E-13	-0.3704	1.24E-16	-0.36477	3.82E-16	-0.0979	0.03442	-0.10431
0.368849	1.69E-16	0.381667	1.21E-17	0.427369	3.70E-22	0.109951	0.01746	0.071632
0.570866	9.77E-42	0.660287	8.38E-60	0.51577	4.21E-33	0.316452	2.54E-12	0.389977
0.356456	1.94E-15	0.345115	1.65E-14	0.284469	3.83E-10	0.152567	0.00094	0.075956
0.472469	2.42E-27	0.461654	4.99E-26	0.253923	2.64E-08	0.174659	0.00015	0.217152
0.550665	2.20E-38	0.617839	1.68E-50	0.481227	1.92E-28	0.286285	2.93E-10	0.313549
0.660361	8.05E-60	0.743791	2.20E-83	0.576265	1.13E-42	0.475868	9.14E-28	0.467619
0.697299	3.01E-69	0.575453	1.57E-42	0.529921	3.60E-35	0.313255	4.32E-12	0.39545
-0.14085	0.00228	-0.24432	8.95E-08	-0.26955	3.23E-09	-0.05135	0.26808	0.054112
0.256584	1.86E-08	0.267634	4.21E-09	0.119764	0.00958	-0.04032	0.38471	-0.00854
0.71477	3.15E-74	0.678496	2.82E-64	0.535843	4.59E-36	0.467402	1.01E-26	0.509877
-0.20084	1.22E-05	-0.28793	2.29E-10	-0.22418	9.87E-07	-0.11472	0.01311	0.028733
0.276695	1.18E-09	0.390281	1.93E-18	0.300015	3.61E-11	0.193563	2.54E-05	0.16455
0.741479	1.31E-82	0.705595	1.44E-71	0.647052	9.62E-57	0.476415	7.80E-28	0.515391
0.663084	1.81E-60	0.667032	2.01E-61	0.499218	8.39E-31	0.474636	1.30E-27	0.421941
0.684805	6.67E-66	0.610933	4.04E-49	0.491668	8.54E-30	0.360507	8.86E-16	0.395815
0.727697	3.68E-78	0.609633	7.29E-49	0.551616	1.55E-38	0.30636	1.32E-11	0.443745
0.261142	1.02E-08	0.239371	1.65E-07	0.044819	0.33383	0.103395	0.02546	0.16533
0.759724	5.86E-89	0.742197	7.52E-83	0.730625	4.40E-79	0.373561	6.52E-17	0.318123
-0.27502	1.50E-09	-0.34626	1.34E-14	-0.25867	1.41E-08	-0.22845	6.05E-07	-0.09273
-0.41601	5.72E-21	-0.37218	8.64E-17	-0.38536	5.56E-18	-0.12591	0.00644	-0.15281
0.663944	1.12E-60	0.658022	2.87E-59	0.605997	3.74E-48	0.379087	2.08E-17	0.34277
0.263443	7.46E-09	0.146492	0.0015	0.353986	3.12E-15	-0.01691	0.71552	-0.16236
0.511593	1.65E-32	0.64499	2.79E-56	0.540935	7.55E-37	0.191179	3.20E-05	0.35083
0.598472	1.03E-46	0.72746	4.37E-78	0.60959	7.44E-49	0.375032	4.82E-17	0.492168
0.64843	4.69E-57	0.692911	4.71E-68	0.547441	7.20E-38	0.433972	7.20E-23	0.425328
0.621409	3.15E-51	0.600772	3.79E-47	0.569073	1.98E-41	0.349248	7.65E-15	0.35803
-0.25129	3.70E-08	-0.30488	1.68E-11	-0.32928	2.85E-13	-0.09913	0.03222	0.117572
-0.36552	3.30E-16	-0.38515	5.81E-18	-0.33715	7.07E-14	-0.10246	0.02682	-0.28965

0.274745	1.56E-09	0.280106	7.24E-10	0.297447	5.39E-11	0.20881	5.35E-06	0.056514
-0.27616	1.28E-09	-0.45348	4.59E-25	-0.32249	9.19E-13	-0.10474	0.02359	-0.21256
0.348964	8.07E-15	0.315199	3.13E-12	0.33165	1.88E-13	0.072614	0.1171	0.009066
0.686029	3.19E-66	0.758624	1.47E-88	0.619318	8.42E-51	0.50352	2.18E-31	0.538667
0.555136	4.17E-39	0.565089	9.38E-41	0.421352	1.60E-21	0.263202	7.71E-09	0.297523
0.422274	1.28E-21	0.224421	9.61E-07	0.227475	6.77E-07	0.062277	0.1791	0.091071
0.213982	3.07E-06	0.307693	1.07E-11	0.173853	0.00016	-0.00491	0.91575	0.178083
0.648974	3.53E-57	0.472835	2.18E-27	0.409097	2.87E-20	0.408392	3.38E-20	0.30566
-0.31782	2.02E-12	-0.33535	9.76E-14	-0.34568	1.49E-14	-0.15713	0.00066	-0.03824
0.251153	3.77E-08	0.251497	3.61E-08	0.211526	4.00E-06	0.082802	0.07383	0.205834
0.192107	2.92E-05	0.284315	3.92E-10	0.251155	3.77E-08	-0.07227	0.11884	-0.12016
0.29365	9.67E-11	0.296881	5.88E-11	0.291566	1.33E-10	0.107243	0.02045	-0.09479
0.688322	7.93E-67	0.775963	4.17E-95	0.558831	1.04E-39	0.3805	1.55E-17	0.51334
0.439887	1.61E-23	0.250374	4.17E-08	0.241253	1.31E-07	0.15157	0.00102	0.137101
0.614622	7.47E-50	0.416704	4.85E-21	0.344662	1.80E-14	0.264023	6.90E-09	0.237968
0.528993	4.96E-35	0.644975	2.81E-56	0.463905	2.68E-26	0.286138	2.99E-10	0.391178
0.58133	1.44E-43	0.59765	1.48E-46	0.514623	6.14E-33	0.263493	7.41E-09	0.372102
0.294974	7.89E-11	0.354291	2.94E-15	0.357204	1.68E-15	-0.00363	0.93765	0.147343
0.705888	1.19E-71	0.72792	3.14E-78	0.551932	1.38E-38	0.389457	2.31E-18	0.424383
0.459734	8.45E-26	0.371863	9.21E-17	0.433197	8.74E-23	0.171145	0.0002	0.204514
0.475082	1.15E-27	0.433357	8.40E-23	0.396904	4.52E-19	0.245526	7.70E-08	0.156489
0.558294	1.27E-39	0.685121	5.51E-66	0.495929	2.32E-30	0.306017	1.40E-11	0.35501
0.284003	4.10E-10	0.312308	5.04E-12	0.145842	0.00158	0.179274	9.80E-05	0.291496
0.629073	8.01E-53	0.605769	4.14E-48	0.394111	8.37E-19	0.410697	1.98E-20	0.432857
0.434219	6.76E-23	0.309662	7.76E-12	0.300835	3.18E-11	0.229864	5.13E-07	-0.03501
0.389307	2.38E-18	0.557008	2.06E-39	0.323922	7.20E-13	0.17168	0.00019	0.280376
0.68578	3.71E-66	0.720588	5.71E-76	0.608679	1.12E-48	0.438323	2.40E-23	0.435664
0.181015	8.36E-05	0.329482	2.75E-13	0.110544	0.01686	0.005907	0.89869	0.106999
0.388768	2.68E-18	0.244337	8.93E-08	0.255699	2.09E-08	0.090024	0.05187	-0.08077
0.394984	6.91E-19	0.371543	9.83E-17	0.210423	4.51E-06	0.205453	7.61E-06	0.056552
0.552413	1.15E-38	0.52071	8.20E-34	0.277934	9.91E-10	0.333762	1.29E-13	0.368043
0.694924	1.34E-68	0.689304	4.35E-67	0.540867	7.74E-37	0.364933	3.71E-16	0.454846
0.710829	4.51E-73	0.676151	1.11E-63	0.480644	2.28E-28	0.486587	3.94E-29	0.522297
0.61597	4.00E-50	0.660931	5.89E-60	0.472282	2.55E-27	0.378716	2.25E-17	0.42987
0.581958	1.12E-43	0.566379	5.68E-41	0.531688	1.96E-35	0.198231	1.59E-05	0.323821
0.315278	3.09E-12	0.244178	9.11E-08	0.125894	0.00645	0.083209	0.07242	0.015098
0.615337	5.37E-50	0.600073	5.14E-47	0.461292	5.52E-26	0.298816	4.36E-11	0.394225
0.502368	3.13E-31	0.398154	3.43E-19	0.365855	3.09E-16	0.294624	8.33E-11	0.153228
0.362915	5.52E-16	0.357483	1.59E-15	0.435916	4.41E-23	0.044709	0.33502	-0.11224
0.281754	5.70E-10	0.378069	2.57E-17	0.413827	9.55E-21	0.007324	0.87457	0.18697
0.427484	3.60E-22	0.283402	4.48E-10	0.152655	0.00093	0.095905	0.03829	-0.05908
0.401691	1.55E-19	0.441223	1.14E-23	0.38667	4.20E-18	0.176975	0.00012	0.250134
-0.22388	1.02E-06	-0.35213	4.44E-15	-0.37188	9.18E-17	-0.05763	0.21387	-0.01956
0.34349	2.23E-14	0.293453	9.96E-11	0.158422	0.00059	0.176764	0.00012	-0.08477
0.707215	4.98E-72	0.715942	1.42E-74	0.532704	1.38E-35	0.530233	3.24E-35	0.534949

0.551801	1.45E-38	0.673124	6.36E-63	0.609696	7.09E-49	0.186004	5.25E-05	0.277751
0.173721	0.00016	0.330564	2.28E-13	0.344085	2.00E-14	-0.08267	0.07431	-0.07231
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0.342257	2.80E-14	0.309884	7.49E-12	0.141746	0.00214	0.129417	0.00509	0.043458
0.271962	2.31E-09	0.27645	1.22E-09	0.264651	6.33E-09	0.186441	5.04E-05	0.103256
0.433928	7.28E-23	0.423317	9.95E-22	0.369974	1.35E-16	0.04011	0.38714	0.130434
0.534113	8.42E-36	0.558991	9.74E-40	0.274555	1.60E-09	0.434565	6.20E-23	0.439948
0.267067	4.55E-09	0.307882	1.04E-11	0.19364	2.52E-05	0.185454	5.53E-05	-0.03184
0.457275	1.65E-25	0.390595	1.80E-18	0.339136	4.94E-14	0.288749	2.03E-10	0.252894
0.399158	2.74E-19	0.420016	2.20E-21	0.228651	5.91E-07	0.1376	0.00288	0.239342
0.566877	4.68E-41	0.710576	5.34E-73	0.543071	3.51E-37	0.428553	2.77E-22	0.429942
0.34901	8.00E-15	0.383597	8.08E-18	0.333227	1.42E-13	0.125375	0.00667	0.25089
0.767654	6.74E-92	0.702954	8.06E-71	0.588263	8.13E-45	0.39504	6.83E-19	0.496393
0.632953	1.20E-53	0.709788	9.05E-73	0.581976	1.11E-43	0.406117	5.69E-20	0.471203
0.286077	3.02E-10	0.23378	3.23E-07	0.208734	5.39E-06	0.026565	0.56689	-0.07787
0.642834	8.44E-56	0.741204	1.61E-82	0.712365	1.61E-73	0.338632	5.41E-14	0.401292
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0.731228	2.83E-79	0.792038	#####	0.686561	2.31E-66	0.392252	1.26E-18	0.564968
-0.35526	2.44E-15	-0.30132	2.95E-11	-0.29198	1.25E-10	-0.18258	7.24E-05	-0.14787
0.297357	5.47E-11	0.168391	0.00026	0.117986	0.01072	0.103847	0.02482	0.052671
0.568954	2.08E-41	0.389972	2.06E-18	0.523728	2.98E-34	0.242585	1.11E-07	0.130191
0.4203	2.06E-21	0.344151	1.98E-14	0.235415	2.66E-07	0.119088	0.01	0.137534
0.353418	3.48E-15	0.318539	1.79E-12	0.252484	3.18E-08	0.232296	3.85E-07	-0.07334
0.228411	6.07E-07	0.414294	8.56E-21	0.139506	0.00252	0.244231	9.05E-08	0.218163
0.588401	7.67E-45	0.541463	6.26E-37	0.424764	7.00E-22	0.210464	4.49E-06	0.175396
0.378725	2.25E-17	0.445819	3.47E-24	0.466827	1.19E-26	0.080429	0.08252	0.057004
0.736139	7.47E-81	0.715839	1.52E-74	0.589632	4.57E-45	0.424806	6.93E-22	0.445369
0.336843	7.47E-14	0.258725	1.40E-08	0.124253	0.00718	-0.02777	0.54947	-0.02039
0.39016	1.98E-18	0.29475	8.17E-11	0.174774	0.00015	0.207911	5.88E-06	-0.02232
0.282408	5.18E-10	0.32947	2.76E-13	0.268098	3.95E-09	0.132278	0.00419	0.182377
0.411467	1.66E-20	0.312489	4.89E-12	0.297341	5.48E-11	0.215355	2.65E-06	0.074875
0.670029	3.71E-62	0.618539	1.21E-50	0.570069	1.34E-41	0.267075	4.55E-09	0.305106
0.520472	8.88E-34	0.384071	7.30E-18	0.376939	3.25E-17	0.085274	0.06559	0.145854
0.367277	2.32E-16	0.326223	4.85E-13	0.4112	1.76E-20	0.215143	2.71E-06	0.127417
0.591327	2.23E-45	0.596385	2.56E-46	0.416355	5.26E-21	0.332444	1.63E-13	0.368725
0.508633	4.28E-32	0.538286	1.94E-36	0.449004	1.51E-24	0.256715	1.83E-08	0.135233
0.612785	1.74E-49	0.553411	7.95E-39	0.453182	4.97E-25	0.417712	3.82E-21	0.287324
0.671032	2.10E-62	0.679765	1.34E-64	0.439216	1.91E-23	0.433554	7.99E-23	0.479132
0.314759	3.37E-12	0.286368	2.89E-10	0.265937	5.32E-09	0.164542	0.00036	-0.07606
0.663406	1.51E-60	0.636735	1.84E-54	0.46038	7.08E-26	0.450011	1.15E-24	0.46477
0.22444	9.59E-07	0.216492	2.34E-06	0.103824	0.02485	0.071257	0.12412	0.049482
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0.618584	1.19E-50	0.672432	9.45E-63	0.518726	1.59E-33	0.296179	6.56E-11	0.398926
0.435811	4.53E-23	0.440345	1.43E-23	0.400135	2.20E-19	0.059308	0.20077	0.105362
0.318863	1.70E-12	0.304183	1.87E-11	0.28826	2.18E-10	0.141832	0.00212	0.206339

0.750903	8.05E-86	0.515824	4.14E-33	0.474322	1.43E-27	0.398736	3.01E-19	0.352312
0.509368	3.38E-32	0.584022	4.77E-44	0.501245	4.46E-31	0.18041	8.84E-05	0.30843
0.27442	1.63E-09	0.285714	3.19E-10	0.185438	5.54E-05	0.132532	0.00412	-0.05943
0.434309	6.61E-23	0.449478	1.33E-24	0.439489	1.78E-23	0.197587	1.70E-05	0.091349
-0.10983	0.01758	-0.14086	0.00228	-0.09848	0.03337	0.045615	0.32531	-0.11675
0.324618	6.39E-13	0.357154	1.70E-15	0.308367	9.58E-12	0.096187	0.03772	-0.09443
0.491117	1.01E-29	0.452661	5.71E-25	0.448787	1.59E-24	0.189976	3.59E-05	0.155625
0.583173	6.77E-44	0.549992	2.82E-38	0.377006	3.21E-17	0.317576	2.11E-12	0.190227
0.372311	8.41E-17	0.37939	1.95E-17	0.349508	7.29E-15	0.262147	8.89E-09	-0.00174
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0.296812	5.95E-11	0.344728	1.78E-14	0.222448	1.20E-06	0.026751	0.56418	0.079749
0.428445	2.84E-22	0.265629	5.54E-09	0.100536	0.02983	0.165852	0.00032	0.18236
0.509151	3.62E-32	0.403615	1.01E-19	0.384087	7.28E-18	0.229193	5.54E-07	0.14815
0.63592	2.76E-54	0.539778	1.14E-36	0.373313	6.86E-17	0.324755	6.24E-13	0.278788
0.311933	5.36E-12	0.345863	1.44E-14	0.172634	0.00018	0.098022	0.0342	0.068174
0.516203	3.65E-33	0.582479	9.01E-44	0.511717	1.58E-32	0.28285	4.86E-10	0.291279
0.698881	1.10E-69	0.77027	6.81E-93	0.705698	1.35E-71	0.361901	6.74E-16	0.362467
0.372483	8.12E-17	0.295415	7.38E-11	0.221576	1.33E-06	0.037964	0.41307	0.026859
0.469956	4.94E-27	0.300868	3.16E-11	0.310347	6.95E-12	0.187737	4.46E-05	-0.00924
0.602213	2.01E-47	0.569832	1.47E-41	0.390577	1.81E-18	0.36905	1.63E-16	0.314651
0.291017	1.44E-10	0.306607	1.27E-11	0.268902	3.54E-09	-0.01826	0.69383	0.040339
0.62699	2.19E-52	0.644278	4.03E-56	0.403516	1.03E-19	0.364606	3.95E-16	0.373591
0.650199	1.86E-57	0.429937	1.97E-22	0.498352	1.10E-30	0.220117	1.56E-06	0.110869
0.494787	3.30E-30	0.50036	5.88E-31	0.441197	1.15E-23	0.193045	2.67E-05	0.195146
0.376729	3.40E-17	0.405534	6.50E-20	0.351731	4.79E-15	0.007905	0.86472	0.058971
0.753386	1.09E-86	0.701165	2.56E-70	0.583895	5.02E-44	0.439572	1.74E-23	0.526987
0.490682	1.15E-29	0.534379	7.67E-36	0.318366	1.85E-12	0.253782	2.68E-08	0.23099
0.383786	7.76E-18	0.221239	1.38E-06	0.098995	0.03245	0.180294	8.93E-05	-0.03663
0.497956	1.24E-30	0.444724	4.62E-24	0.331013	2.10E-13	0.249241	4.81E-08	0.355401
0.459844	8.20E-26	0.425565	5.76E-22	0.419174	2.69E-21	0.166818	0.00029	0.351592
0.330917	2.14E-13	0.459286	9.55E-26	0.289889	1.71E-10	0.167002	0.00029	0.126509
0.59489	4.87E-46	0.493779	4.49E-30	0.340747	3.69E-14	0.276961	1.14E-09	0.211547
0.423479	9.56E-22	0.320615	1.26E-12	0.291692	1.30E-10	0.175721	0.00014	0.049909
0.715386	2.07E-74	0.67987	1.26E-64	0.480079	2.69E-28	0.381547	1.24E-17	0.435605
0.288799	2.01E-10	0.255833	2.05E-08	0.174946	0.00014	0.024206	0.60183	-0.0444
0.367838	2.08E-16	0.299534	3.90E-11	0.274087	1.71E-09	0.097424	0.03532	-0.07629
0.300904	3.14E-11	0.330786	2.19E-13	0.151767	0.001	0.135701	0.0033	0.195487
0.246627	6.70E-08	0.315117	3.17E-12	0.190417	3.44E-05	-0.00436	0.92517	-0.04698
0.470815	3.87E-27	0.508618	4.30E-32	0.351423	5.08E-15	0.216806	2.26E-06	0.234509
0.446614	2.82E-24	0.418767	2.97E-21	0.456046	2.30E-25	0.257088	1.74E-08	0.208004
0.163055	0.0004	-0.10291	0.02615	0.074421	0.10824	0.105602	0.02247	0.196397
-0.08448	0.06816	0.079864	0.08471	0.238692	1.79E-07	0.067721	0.14395	0.284293
0.313224	4.34E-12	0.134172	0.00367	0.120766	0.00899	0.017245	0.71011	-0.12362
-0.10829	0.01925	0.073959	0.11045	-0.03885	0.4023	0.133951	0.00373	0.336934

0.049833	0.28252	0.164993	0.00034	0.096454	0.03719	0.278775	8.78E-10	0.436271
-0.05388	0.2452	0.120175	0.00934	0.103739	0.02497	0.154731	0.00079	0.366428
-0.16748	0.00028	-0.22781	6.51E-07	-0.19177	3.02E-05	-0.02424	0.60137	0.069576
-0.02525	0.58623	-0.23809	1.93E-07	-0.12184	0.0084	0.001369	0.97647	0.135463
0.040376	0.384	-0.174	0.00016	-0.21623	2.40E-06	0.155377	0.00075	0.273811
0.045984	0.3214	0.03942	0.39537	-0.01455	0.75381	0.165751	0.00032	0.415226
-0.04744	0.30627	-0.08461	0.06774	-0.08415	0.06923	0.164219	0.00037	0.308747
-0.18994	3.61E-05	-0.2003	1.29E-05	-0.20154	1.14E-05	0.001833	0.96849	0.190837
-0.04714	0.30932	-0.02613	0.57326	-0.03588	0.43917	0.105495	0.02261	0.378076
0.025193	0.58709	0.052076	0.26139	0.03175	0.49368	0.138119	0.00278	0.296429
-0.08641	0.06207	-0.14239	0.00204	-0.06299	0.17419	-0.24279	1.08E-07	-0.37008
-0.16445	0.00036	-0.0614	0.18532	-0.10541	0.02271	0.062311	0.17887	0.234152
-0.04503	0.33152	0.083448	0.0716	0.045822	0.32311	0.086943	0.06047	0.40435
-0.16384	0.00038	-0.0578	0.21248	-0.08627	0.0625	0.093684	0.04302	0.252964
0.088175	0.0569	0.080571	0.08198	0.024884	0.59169	0.247876	5.72E-08	0.547853
0.072469	0.11783	0.156732	0.00068	0.060217	0.19395	0.22257	1.19E-06	0.396301
-0.03544	0.44478	0.069023	0.13639	0.04634	0.31767	0.061861	0.18203	0.278771
-0.04006	0.38769	0.079403	0.08653	0.060701	0.19038	0.148755	0.00126	0.234767
-0.01882	0.68508	0.045994	0.3213	0.036631	0.42968	0.215493	2.61E-06	0.420197
-0.10521	0.02297	-0.07565	0.10251	-0.14738	0.0014	0.051715	0.26471	0.233727
0.058135	0.20984	0.014771	0.75021	0.043925	0.34357	0.139454	0.00253	0.291387
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0.127939	0.00563	0.003215	0.94476	0.066536	0.15112	-0.25134	3.68E-08	-0.30138
0.11468	0.01315	0.095312	0.03951	0.081646	0.07797	-0.13531	0.00339	-0.22251
-0.21087	4.30E-06	-0.01622	0.72661	-0.07679	0.09742	0.022537	0.62713	0.311086
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0.008167	0.86028	0.027148	0.55841	-0.02378	0.60829	0.161231	0.00047	0.391033
-0.01423	0.75911	-0.21905	1.76E-06	-0.20233	1.05E-05	0.114542	0.01326	0.159731
0.03253	0.48313	-0.13177	0.00434	-0.16828	0.00026	0.071585	0.1224	0.367084
-0.06661	0.15066	-0.04786	0.302	-0.09092	0.04958	0.196502	1.90E-05	0.243239
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0.170437	0.00022	0.150678	0.00109	0.141099	0.00224	0.273577	1.84E-09	0.379086
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0.110469	0.01693	0.079228	0.08722	0.032925	0.47782	0.160974	0.00048	0.399059
0.101419	0.02842	0.071831	0.12111	0.018944	0.68304	0.119065	0.01002	0.394372
-0.09193	0.04708	0.173897	0.00016	0.11284	0.0147	0.252291	3.26E-08	0.385394
0.002408	0.9586	0.08926	0.0539	0.029971	0.51822	0.25525	2.22E-08	0.408442
0.156397	0.00069	-0.06762	0.14455	0.110024	0.01738	-0.23505	2.78E-07	-0.37058
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0.221924	1.28E-06	0.019366	0.67637	0.108048	0.01952	0.105408	0.02272	0.392351
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0.030061	0.51697	0.262018	9.04E-09	0.147771	0.00136	0.244629	8.61E-08	0.485627
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0.09431	0.04164	0.156597	0.00068	0.140042	0.00242	0.283033	4.73E-10	0.440977

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0.027434	0.55427	-0.21354	3.22E-06	-0.08466	0.06758	-0.2954	7.40E-11	-0.36647
0.035872	0.43931	0.07991	0.08453	-0.05212	0.261	0.127246	0.00589	0.387769
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0.090898	0.04963	0.042711	0.35709	0.02761	0.55173	0.32861	3.20E-13	0.399807
0.144446	0.00175	0.056917	0.21957	-0.00884	0.84898	0.10079	0.02942	0.37223
0.17568	0.00014	0.201583	1.13E-05	0.127308	0.00587	0.345637	1.50E-14	0.44556
0.042189	0.363	0.11512	0.0128	0.049903	0.28184	0.238194	1.90E-07	0.443457
0.011397	0.80596	0.028482	0.53923	0.06406	0.16695	0.070509	0.12813	0.408794
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0.163877	0.00038	0.115986	0.01213	0.172841	0.00017	-0.10852	0.01898	-0.22882
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0.129804	0.00496	0.292479	1.16E-10	0.246291	6.99E-08	0.263438	7.47E-09	0.341056
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0.21072	4.37E-06	0.1151	0.01281	-0.00358	0.93844	0.376586	3.50E-17	0.394571
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0.073356	0.1134	0.121457	0.0086	0.144934	0.00169	-0.23467	2.91E-07	-0.29853
0.279827	7.54E-10	0.174865	0.00015	0.187706	4.47E-05	-0.04229	0.36185	-0.12508
0.063161	0.173	0.025386	0.58423	-0.01882	0.68508	-0.18771	4.46E-05	-0.21308
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0.153359	0.00088	0.091518	0.04809	0.101284	0.02863	-0.20919	5.14E-06	-0.21042
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0.215708	2.54E-06	0.177539	0.00011	0.247843	5.75E-08	-0.07474	0.10675	-0.17618
0.180373	8.87E-05	-0.01656	0.72113	0.040381	0.38394	-0.12371	0.00744	-0.2854
0.012659	0.78498	-0.00566	0.90296	0.023453	0.61318	0.210432	4.50E-06	0.310906
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0.071325	0.12376	-0.00292	0.94977	0.097579	0.03502	-0.27696	1.14E-09	-0.32644
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0.085223	0.06575	-0.00111	0.98094	0.084335	0.06863	-0.08588	0.06368	-0.39322
0.032389	0.48503	-0.14747	0.00139	-0.06444	0.16443	-0.17414	0.00016	-0.25161
0.229978	5.06E-07	0.191735	3.03E-05	0.071864	0.12094	0.310036	7.31E-12	0.611158
0.185457	5.53E-05	0.136319	0.00316	0.078482	0.09025	0.247604	5.92E-08	0.402759
0.097554	0.03507	0.133121	0.00395	0.176701	0.00012	0.227729	6.57E-07	0.305406
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0.069793	0.13206	0.324539	6.48E-13	0.188521	4.13E-05	0.277858	1.00E-09	0.501699
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0.176089	0.00013	0.106072	0.02187	0.069685	0.13266	0.373664	6.38E-17	0.402206
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0.153257	0.00089	0.177356	0.00012	0.229518	5.34E-07	0.236273	2.40E-07	0.32565
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0.169624	0.00023	0.056738	0.22102	-0.0472	0.30877	0.272513	2.14E-09	0.383337
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0.002745	0.95282	-0.06999	0.13095	0.000653	0.98877	-0.26976	3.14E-09	-0.39739
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0.134322	0.00364	0.051723	0.26464	-0.0121	0.79419	0.399885	2.33E-19	0.438802
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0.116967	0.01142	0.138686	0.00267	0.070119	0.13026	0.095321	0.03949	0.441327
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0.13144	0.00444	0.051518	0.26654	0.164003	0.00037	-0.23899	1.73E-07	-0.25648
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0.129827	0.00495	0.100086	0.03058	0.018714	0.68668	0.329323	2.83E-13	0.421198
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0.218513	1.87E-06	0.112949	0.0146	0.00893	0.84738	0.257368	1.68E-08	0.344519
0.098269	0.03375	0.175128	0.00014	0.100398	0.03006	0.253221	2.89E-08	0.503325
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0.018882	0.68403	0.040468	0.38292	0.067328	0.1463	0.147899	0.00135	0.438637
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0.020956	0.65148	0.021596	0.64157	-0.09305	0.04444	0.202692	1.01E-05	0.476108
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0.009447	0.83866	-0.18915	3.89E-05	-0.14903	0.00124	-0.21486	2.79E-06	-0.34557
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0.016917	0.71539	-0.05154	0.26636	0.001908	0.9672	0.133497	0.00385	0.270424
-0.09459	0.04102	0.048988	0.29077	-0.05193	0.2627	0.119206	0.00993	0.316139
-0.23576	2.55E-07	-0.07113	0.1248	-0.09663	0.03685	0.001847	0.96825	0.012513
0.142936	0.00196	0.020967	0.65132	0.049003	0.29062	-0.156	0.00072	-0.29335
-0.15758	0.00063	0.015281	0.74188	-0.12161	0.00852	0.202947	9.87E-06	0.154138
-0.15321	0.0009	-0.04679	0.31302	-0.08266	0.07435	0.092082	0.04672	0.354472
-0.16283	0.00041	-0.09975	0.03115	-0.0942	0.04188	0.009034	0.84562	0.241952
0.061932	0.18153	0.273854	1.77E-09	0.204314	8.57E-06	0.306306	1.33E-11	0.294622

-0.06778	0.1436	-0.33111	2.07E-13	-0.38026	1.63E-17	-0.14337	0.0019	-0.28286
0.390832	1.71E-18	0.544645	1.99E-37	0.693467	3.33E-68	0.192982	2.68E-05	0.16595
0.307203	1.16E-11	0.502136	3.37E-31	0.555668	3.42E-39	0.152874	0.00092	0.337382
0.35199	4.56E-15	0.457166	1.70E-25	0.524374	2.39E-34	0.194381	2.34E-05	0.276998
0.27907	8.41E-10	0.318464	1.82E-12	0.406158	5.64E-20	0.21234	3.67E-06	0.167311
0.39423	8.16E-19	0.596995	1.96E-46	0.656077	8.19E-59	0.206666	6.71E-06	0.248854
0.305567	1.50E-11	0.326098	4.95E-13	0.386715	4.16E-18	0.104379	0.02408	0.160704
0.515527	4.57E-33	0.435549	4.84E-23	0.654524	1.88E-58	0.246284	7.00E-08	0.063766
0.550879	2.04E-38	0.518113	1.95E-33	0.708257	2.50E-72	0.276904	1.15E-09	0.117705
0.52886	5.19E-35	0.774891	1.10E-94	0.782877	6.98E-98	0.366839	2.54E-16	0.346662
-0.30726	1.14E-11	-0.2979	5.03E-11	-0.41588	5.89E-21	-0.12368	0.00746	-0.09728
0.386997	3.92E-18	0.595234	4.20E-46	0.656396	6.90E-59	0.332482	1.62E-13	0.402496
-0.15655	0.00069	-0.46807	8.39E-27	-0.5122	1.35E-32	-0.15081	0.00108	-0.41726
0.250832	3.93E-08	0.397677	3.81E-19	0.418618	3.08E-21	0.149109	0.00123	0.134722
-0.21898	1.77E-06	-0.59606	2.94E-46	-0.63386	7.66E-54	-0.09616	0.03777	-0.30412
0.666757	2.35E-61	0.692435	6.32E-68	0.77231	1.12E-93	0.352623	4.05E-15	0.50385
0.357648	1.54E-15	0.511021	1.98E-32	0.540034	1.04E-36	0.371951	9.05E-17	0.515856
-0.33145	1.95E-13	-0.49671	1.82E-30	-0.65008	1.98E-57	-0.11378	0.01388	-0.23035
0.271459	2.48E-09	0.287975	2.28E-10	0.397174	4.26E-19	-0.04221	0.36275	-0.19539
0.718811	1.96E-75	0.788149	#####	0.825052	#####	0.384944	6.07E-18	0.542486
-0.37243	8.21E-17	-0.51582	4.15E-33	-0.6912	1.35E-67	-0.20005	1.33E-05	-0.13287
-0.29586	6.89E-11	-0.5733	3.72E-42	-0.69178	9.51E-68	-0.16212	0.00044	-0.26919
0.256659	1.84E-08	0.318071	1.94E-12	0.543006	3.60E-37	0.199403	1.42E-05	0.237555
-0.16788	0.00027	-0.29705	5.73E-11	-0.43271	9.87E-23	-0.14826	0.00131	-0.16752
0.687028	1.74E-66	0.605211	5.32E-48	0.780554	6.14E-97	0.430568	1.68E-22	0.379319
-0.23736	2.10E-07	-0.42574	5.51E-22	-0.4444	5.02E-24	-0.27409	1.71E-09	-0.4446
-0.25785	1.58E-08	-0.43403	7.10E-23	-0.72916	1.28E-78	-0.17311	0.00017	-0.26354
0.705492	1.54E-71	0.756791	6.70E-88	0.898231	#####	0.387822	3.28E-18	0.478065
0.548675	4.58E-38	0.579554	2.99E-43	0.757118	5.11E-88	0.3799	1.76E-17	0.406394
0.692464	6.21E-68	0.783302	4.67E-98	0.798724	#####	0.422532	1.20E-21	0.476432
0.588227	8.26E-45	0.584805	3.44E-44	0.721486	3.04E-76	0.380543	1.54E-17	0.385913
-0.41871	3.01E-21	-0.56008	6.43E-40	-0.64603	1.63E-56	-0.37861	2.30E-17	-0.39416
-0.05348	0.24877	-0.15125	0.00104	-0.40189	1.48E-19	0.047764	0.303	0.091313
-0.48801	2.57E-29	-0.60924	8.71E-49	-0.70933	1.23E-72	-0.43192	1.20E-22	-0.43086
0.295908	6.84E-11	0.470229	4.57E-27	0.523901	2.81E-34	0.249411	4.71E-08	0.347725
0.315589	2.93E-12	0.419803	2.32E-21	0.487778	2.76E-29	0.019489	0.67443	0.066776
0.502382	3.12E-31	0.74304	3.93E-83	0.75199	3.36E-86	0.269053	3.46E-09	0.40261
-0.3148	3.35E-12	-0.40032	2.11E-19	-0.65889	1.79E-59	-0.06892	0.13698	-0.18605
0.667449	1.59E-61	0.693434	3.40E-68	0.794417	#####	0.365585	3.26E-16	0.294443
-0.16685	0.00029	-0.30062	3.29E-11	-0.44783	2.05E-24	-0.07878	0.08902	-0.10673
0.372784	7.64E-17	0.217608	2.07E-06	0.426248	4.87E-22	0.307674	1.07E-11	0.267008
-0.42892	2.53E-22	-0.5081	5.08E-32	-0.66694	2.12E-61	-0.17623	0.00013	-0.12619
-0.31142	5.83E-12	-0.31046	6.82E-12	-0.48618	4.45E-29	-0.20604	7.16E-06	-0.16708
0.299051	4.20E-11	0.385822	5.03E-18	0.425858	5.36E-22	0.094856	0.04046	0.05854
0.239356	1.65E-07	0.3282	3.44E-13	0.379948	1.74E-17	-0.01607	0.729	0.064372



0.450704	9.61E-25	0.599385	6.95E-47	0.630517	3.97E-53	0.266381	5.00E-09	0.186293
-0.36952	1.48E-16	-0.35112	5.38E-15	-0.52196	5.40E-34	-0.10324	0.02568	-0.12762
0.304321	1.83E-11	0.422686	1.16E-21	0.439032	2.00E-23	0.181196	8.22E-05	0.209927
0.556789	2.24E-39	0.598283	1.12E-46	0.733643	4.79E-80	0.295694	7.07E-11	0.2466
-0.38471	6.37E-18	-0.58854	7.25E-45	-0.67276	7.84E-63	-0.35633	1.99E-15	-0.39651
0.182321	7.41E-05	0.372581	7.96E-17	0.408851	3.04E-20	0.198761	1.51E-05	0.285978
-0.26478	6.23E-09	-0.55359	7.44E-39	-0.61081	4.27E-49	-0.23217	3.91E-07	-0.38643
0.447568	2.20E-24	0.707795	3.39E-72	0.777999	6.50E-96	0.315148	3.16E-12	0.420243
0.361284	7.61E-16	0.36243	6.08E-16	0.411143	1.79E-20	0.164144	0.00037	0.193949
0.529126	4.74E-35	0.481479	1.79E-28	0.583939	4.93E-44	0.348483	8.83E-15	0.261939
-0.28217	5.36E-10	-0.33532	9.81E-14	-0.45679	1.88E-25	-0.18701	4.78E-05	-0.243
-0.32027	1.34E-12	-0.54611	1.17E-37	-0.67405	3.74E-63	-0.22909	5.62E-07	-0.30606
-0.40957	2.57E-20	-0.5136	8.57E-33	-0.60468	6.73E-48	-0.16947	0.00023	-0.34333
-0.41899	2.81E-21	-0.42024	2.09E-21	-0.60439	7.66E-48	-0.10948	0.01795	-0.13936
0.28469	3.71E-10	0.646568	1.24E-56	0.665763	4.08E-61	0.280258	7.09E-10	0.305284
-0.41552	6.41E-21	-0.5928	1.19E-45	-0.73035	5.37E-79	-0.28475	3.67E-10	-0.46828
0.357218	1.68E-15	0.551193	1.81E-38	0.600002	5.30E-47	0.26334	7.57E-09	0.216817
-0.61644	3.23E-50	-0.67046	2.92E-62	-0.7409	2.04E-82	-0.41113	1.79E-20	-0.44866
-0.38337	8.47E-18	-0.52669	1.09E-34	-0.59379	7.80E-46	-0.30337	2.13E-11	-0.28629
0.486359	4.22E-29	0.551563	1.58E-38	0.6074	2.00E-48	0.228963	5.70E-07	0.399512
0.662717	2.21E-60	0.727466	4.35E-78	0.803684	#####	0.378576	2.32E-17	0.446673
0.253507	2.78E-08	0.356269	2.01E-15	0.37815	2.53E-17	0.097863	0.03449	0.064637
-0.22908	5.62E-07	-0.31051	6.77E-12	-0.43944	1.80E-23	-0.14654	0.0015	-0.21351
-0.08169	0.07779	-0.38526	5.67E-18	-0.5377	2.39E-36	0.03574	0.44099	-0.03268
0.481174	1.95E-28	0.455988	2.34E-25	0.659537	1.26E-59	0.293722	9.56E-11	0.353212
0.608281	1.34E-48	0.606337	3.21E-48	0.62539	4.73E-52	0.396465	4.99E-19	0.389021
0.304983	1.65E-11	0.340849	3.62E-14	0.432589	1.02E-22	0.144778	0.00171	0.272576
-0.40944	2.65E-20	-0.43954	1.76E-23	-0.61134	3.36E-49	-0.17424	0.00015	-0.36486
-0.62208	2.29E-51	-0.7003	4.45E-70	-0.80309	#####	-0.41026	2.19E-20	-0.52055
0.39429	8.05E-19	0.433411	8.28E-23	0.512055	1.42E-32	0.179847	9.31E-05	0.436094
0.450482	1.02E-24	0.501871	3.66E-31	0.582591	8.60E-44	0.356019	2.11E-15	0.370965
0.405204	7.01E-20	0.577026	8.32E-43	0.645309	2.37E-56	0.3848	6.26E-18	0.337545
0.547258	7.70E-38	0.687415	1.38E-66	0.775172	8.54E-95	0.382006	1.13E-17	0.361719
0.272833	2.04E-09	0.392903	1.09E-18	0.436161	4.15E-23	0.237418	2.09E-07	0.467906
-0.47753	5.65E-28	-0.42923	2.34E-22	-0.50552	1.16E-31	-0.22978	5.18E-07	-0.15127
0.26835	3.82E-09	0.163934	0.00037	0.425138	6.39E-22	0.18508	5.73E-05	0.138411
0.623107	1.41E-51	0.807	#####	0.847746	#####	0.397289	4.15E-19	0.365593
0.279437	7.98E-10	0.310116	7.21E-12	0.461411	5.34E-26	0.015673	0.7355	-0.11703
0.386062	4.78E-18	0.506373	8.82E-32	0.692139	7.60E-68	0.214562	2.88E-06	0.181376
-0.29673	6.03E-11	-0.24734	6.12E-08	-0.40781	3.86E-20	-0.07455	0.10764	0.223069
0.21114	4.17E-06	0.4012	1.73E-19	0.468174	8.16E-27	0.118586	0.01032	0.12297
0.472161	2.64E-27	0.534575	7.16E-36	0.661476	4.37E-60	0.247657	5.88E-08	0.291476
0.435981	4.34E-23	0.644078	4.46E-56	0.755285	2.31E-87	0.316219	2.64E-12	0.347045
-0.36184	6.82E-16	-0.28872	2.04E-10	-0.42546	5.91E-22	-0.10632	0.02157	-0.04816
0.397211	4.23E-19	0.402208	1.38E-19	0.549922	2.90E-38	0.213108	3.38E-06	0.223448

0.553491	7.72E-39	0.619872	6.49E-51	0.804855	#####	0.33666	7.71E-14	0.39222
0.35832	1.36E-15	0.523477	3.24E-34	0.6048	6.38E-48	0.054115	0.24315	0.300351
0.269743	3.15E-09	0.324586	6.42E-13	0.394789	7.22E-19	0.214361	2.95E-06	0.152268
-0.28253	5.09E-10	-0.37572	4.18E-17	-0.46826	7.97E-27	-0.04051	0.38243	-0.15947
-0.35785	1.49E-15	-0.27087	2.69E-09	-0.4394	1.82E-23	-0.17966	9.46E-05	-0.30051
0.346833	1.20E-14	0.358854	1.22E-15	0.438849	2.10E-23	0.064187	0.16611	0.120012
0.402346	1.34E-19	0.276329	1.25E-09	0.396645	4.79E-19	0.018865	0.68429	0.021749
0.471441	3.24E-27	0.523202	3.55E-34	0.643614	5.66E-56	0.165142	0.00034	0.074609
0.374293	5.61E-17	0.462736	3.71E-26	0.536663	3.44E-36	0.266563	4.88E-09	0.404808
-0.02697	0.56098	-0.36004	9.70E-16	-0.42739	3.68E-22	-0.09454	0.04113	-0.20951
0.264753	6.25E-09	0.282927	4.80E-10	0.459358	9.37E-26	0.071792	0.12132	-0.15205
0.306674	1.26E-11	0.498218	1.14E-30	0.580163	2.33E-43	0.140417	0.00235	0.077593
0.499015	8.94E-31	0.51014	2.64E-32	0.712647	1.33E-73	0.286992	2.64E-10	0.154514
0.599281	7.27E-47	0.615892	4.15E-50	0.707958	3.05E-72	0.313936	3.86E-12	0.292518
0.355267	2.44E-15	0.514861	5.68E-33	0.641675	1.52E-55	0.138199	0.00276	0.16068
0.640101	3.39E-55	0.765022	6.56E-91	0.824209	#####	0.463685	2.85E-26	0.618618
0.323359	7.93E-13	0.28256	5.07E-10	0.405099	7.18E-20	0.151666	0.00101	0.289081
0.603952	9.31E-48	0.557955	1.44E-39	0.842407	#####	0.359809	1.01E-15	0.306075
0.4921	7.49E-30	0.748623	4.96E-85	0.802835	#####	0.366594	2.66E-16	0.357569
0.410779	1.94E-20	0.441047	1.19E-23	0.646576	1.23E-56	0.314226	3.68E-12	0.212348
-0.48746	3.04E-29	-0.71929	1.41E-75	-0.74602	3.87E-84	-0.35355	3.39E-15	-0.50245
0.338484	5.56E-14	0.306745	1.24E-11	0.390625	1.79E-18	0.164332	0.00036	0.357911
-0.42611	5.05E-22	-0.38741	3.59E-18	-0.64086	2.30E-55	-0.19031	3.48E-05	-0.28516
0.249652	4.57E-08	0.3359	8.84E-14	0.440536	1.36E-23	0.193854	2.46E-05	0.308338
0.247975	5.65E-08	0.354903	2.62E-15	0.382347	1.05E-17	0.109597	0.01783	0.233255
0.343759	2.12E-14	0.37014	1.31E-16	0.493748	4.53E-30	0.131458	0.00443	0.027447
0.250931	3.88E-08	0.324172	6.90E-13	0.410651	2.00E-20	0.036159	0.43564	0.161131
0.537093	2.96E-36	0.704782	2.46E-71	0.782977	6.35E-98	0.371612	9.69E-17	0.36377
0.372283	8.46E-17	0.238429	1.85E-07	0.449818	1.21E-24	0.218412	1.89E-06	0.173279
0.520511	8.76E-34	0.597369	1.67E-46	0.776151	3.51E-95	0.28477	3.66E-10	0.256308
0.316375	2.57E-12	0.238246	1.89E-07	0.385455	5.44E-18	0.255983	2.01E-08	0.281354
0.293982	9.19E-11	0.470755	3.94E-27	0.511473	1.71E-32	0.170876	0.00021	0.243265
-0.2087	5.41E-06	-0.31803	1.95E-12	-0.42998	1.95E-22	-0.19209	2.93E-05	-0.12062
0.556663	2.35E-39	0.71919	1.51E-75	0.762711	4.72E-90	0.362169	6.40E-16	0.433013
-0.34343	2.26E-14	-0.37001	1.34E-16	-0.62083	4.13E-51	-0.13866	0.00267	-0.05392
-0.30058	3.31E-11	-0.39525	6.52E-19	-0.48403	8.43E-29	-0.31549	2.98E-12	-0.35207
0.628687	9.66E-53	0.742029	8.56E-83	0.817976	#####	0.319059	1.64E-12	0.401138
-0.2733	1.91E-09	-0.47289	2.15E-27	-0.56601	6.56E-41	-0.15663	0.00068	-0.35711
0.31209	5.23E-12	0.503837	1.97E-31	0.542546	4.24E-37	0.239033	1.72E-07	0.219899
-0.43684	3.50E-23	-0.53721	2.84E-36	-0.61284	1.69E-49	-0.26137	9.86E-09	-0.43752
-0.49949	7.70E-31	-0.65056	1.53E-57	-0.7964	#####	-0.26873	3.62E-09	-0.4214
0.347814	1.00E-14	0.53077	2.69E-35	0.596752	2.18E-46	0.254109	2.57E-08	0.177458
-0.23957	1.61E-07	-0.52571	1.52E-34	-0.60228	1.95E-47	-0.17944	9.66E-05	-0.39432
0.525818	1.47E-34	0.748862	4.10E-85	0.858787	#####	0.378051	2.58E-17	0.533685
-0.18073	8.58E-05	-0.40231	1.35E-19	-0.58295	7.41E-44	-0.16762	0.00027	-0.39333

0.232421	3.80E-07	0.418616	3.08E-21	0.590333	3.40E-45	0.219611	1.65E-06	0.166657
0.174991	0.00014	0.425752	5.50E-22	0.438633	2.21E-23	0.161273	0.00047	0.204997
0.278001	9.81E-10	0.234242	3.06E-07	0.495864	2.37E-30	0.116601	0.01168	0.057164
-0.31458	3.47E-12	-0.346	1.40E-14	-0.46291	3.53E-26	-0.20995	4.74E-06	-0.0465
-0.30432	1.83E-11	-0.3392	4.88E-14	-0.36633	2.81E-16	-0.17063	0.00021	-0.15891
-0.35671	1.85E-15	-0.51136	1.77E-32	-0.67698	6.82E-64	-0.25699	1.76E-08	-0.31482
0.407589	4.06E-20	0.363965	4.49E-16	0.516413	3.41E-33	0.265304	5.79E-09	0.133315
0.290613	1.53E-10	0.302307	2.52E-11	0.433025	9.12E-23	0.097333	0.03549	0.159616
0.264281	6.66E-09	0.453161	4.99E-25	0.583958	4.89E-44	0.134374	0.00362	0.076671
0.242161	1.17E-07	0.397169	4.27E-19	0.595863	3.20E-46	0.164014	0.00037	0.099812
0.299522	3.90E-11	0.285679	3.20E-10	0.419447	2.52E-21	0.205306	7.73E-06	0.071028
0.33831	5.73E-14	0.393495	9.59E-19	0.424085	8.26E-22	0.231091	4.44E-07	0.260092
0.617781	1.73E-50	0.770319	6.52E-93	0.797164	#####	0.425437	5.94E-22	0.403666
0.24899	4.97E-08	0.278781	8.77E-10	0.572643	4.83E-42	0.118275	0.01052	0.0784
0.073083	0.11475	0.003515	0.93961	-0.26539	5.73E-09	0.118844	0.01016	0.38935
0.210923	4.27E-06	0.387785	3.31E-18	0.449973	1.17E-24	0.136215	0.00318	0.06517
0.395799	5.78E-19	0.641123	2.02E-55	0.681939	3.70E-65	0.343562	2.20E-14	0.357948
-0.19105	3.24E-05	-0.30808	1.00E-11	-0.51122	1.86E-32	-0.03032	0.51336	0.010462
0.242552	1.11E-07	0.44471	4.63E-24	0.504036	1.85E-31	0.207038	6.45E-06	0.376373
-0.35172	4.80E-15	-0.56678	4.86E-41	-0.67691	7.14E-64	-0.22382	1.03E-06	-0.3142
-0.43058	1.68E-22	-0.57422	2.57E-42	-0.60184	2.37E-47	-0.35195	4.60E-15	-0.34318
0.480476	2.40E-28	0.705914	1.17E-71	0.809645	#####	0.193823	2.47E-05	0.347495
0.4495	1.32E-24	0.641144	2.00E-55	0.68327	1.67E-65	0.368941	1.66E-16	0.2797
0.457828	1.42E-25	0.623311	1.28E-51	0.860313	#####	0.221708	1.31E-06	0.226709
-0.11552	0.01248	-0.26973	3.15E-09	-0.45285	5.43E-25	-0.14142	0.00219	-0.299
0.506818	7.65E-32	0.37436	5.53E-17	0.73915	7.72E-82	0.30129	2.96E-11	0.172041
0.428223	3.00E-22	0.487525	2.98E-29	0.579594	2.94E-43	0.271367	2.51E-09	0.342505
-0.16273	0.00041	-0.31757	2.11E-12	-0.54701	8.44E-38	0.036241	0.43461	0.138966
-0.41372	9.79E-21	-0.62368	1.07E-51	-0.70474	2.52E-71	-0.30799	1.02E-11	-0.31947
0.338505	5.53E-14	0.519266	1.33E-33	0.555538	3.59E-39	0.132145	0.00423	0.211774
-0.14532	0.00164	-0.41729	4.22E-21	-0.43908	1.98E-23	-0.22102	1.41E-06	-0.10396
0.554424	5.45E-39	0.587346	1.19E-44	0.690739	1.80E-67	0.364961	3.69E-16	0.399218
-0.17881	0.0001	-0.46017	7.51E-26	-0.54456	2.05E-37	-0.1817	7.85E-05	-0.26877
-0.23875	1.78E-07	-0.52194	5.44E-34	-0.54699	8.48E-38	-0.26618	5.14E-09	-0.389
0.344695	1.79E-14	0.591719	1.89E-45	0.680903	6.83E-65	0.214942	2.77E-06	0.190271
-0.20633	6.95E-06	-0.4621	4.41E-26	-0.5882	8.36E-45	-0.19239	2.84E-05	-0.24823
-0.21943	1.69E-06	-0.24865	5.19E-08	-0.51747	2.40E-33	-0.03462	0.4555	-0.04696
-0.2201	1.56E-06	-0.30513	1.61E-11	-0.44243	8.37E-24	-0.15219	0.00097	-0.24632
0.47926	3.42E-28	0.456762	1.90E-25	0.636397	2.18E-54	0.335241	9.94E-14	0.133604
0.402702	1.24E-19	0.400188	2.18E-19	0.572939	4.29E-42	0.266634	4.83E-09	0.458424
0.493543	4.83E-30	0.577173	7.85E-43	0.75872	1.35E-88	0.206252	7.00E-06	0.212249
0.421575	1.51E-21	0.635711	3.07E-54	0.829792	#####	0.349169	7.77E-15	0.427
0.46175	4.86E-26	0.448658	1.65E-24	0.701417	2.17E-70	0.348426	8.93E-15	0.323749
-0.25776	1.59E-08	-0.37211	8.76E-17	-0.48786	2.69E-29	-0.01059	0.81946	-0.03808
-0.23355	3.32E-07	-0.23368	3.27E-07	-0.39537	6.34E-19	-0.17482	0.00015	-0.31714

0.322894	8.58E-13	0.432652	1.00E-22	0.466104	1.46E-26	0.165909	0.00032	0.241987
0.688191	8.59E-67	0.796589	#####	0.908269	#####	0.433253	8.62E-23	0.490675
-0.30563	1.49E-11	-0.52917	4.66E-35	-0.60378	1.00E-47	-0.28291	4.82E-10	-0.48803
0.288515	2.10E-10	0.316579	2.49E-12	0.409645	2.53E-20	0.226124	7.91E-07	0.237746
0.367711	2.13E-16	0.387419	3.58E-18	0.397188	4.25E-19	0.220957	1.42E-06	0.241508
0.426844	4.21E-22	0.406988	4.66E-20	0.594146	6.70E-46	0.305524	1.51E-11	0.138859
-0.19594	2.01E-05	-0.50197	3.56E-31	-0.59179	1.83E-45	-0.20028	1.30E-05	-0.31316
-0.36021	9.39E-16	-0.56351	1.73E-40	-0.59786	1.35E-46	-0.40568	6.29E-20	-0.43618
0.52452	2.28E-34	0.431925	1.20E-22	0.630345	4.31E-53	0.199391	1.42E-05	0.111181
0.427454	3.63E-22	0.517468	2.41E-33	0.568586	2.40E-41	0.188975	3.96E-05	0.368483
-0.28275	4.93E-10	-0.24494	8.28E-08	-0.48383	8.94E-29	0.096858	0.0364	0.028777
-0.28017	7.18E-10	-0.34689	1.19E-14	-0.51464	6.10E-33	-0.22506	8.94E-07	-0.30933
-0.37803	2.59E-17	-0.43442	6.43E-23	-0.56137	3.93E-40	-0.16117	0.00047	-0.20344
-0.33913	4.95E-14	-0.23937	1.65E-07	-0.41857	3.11E-21	-0.00353	0.93935	0.005852
-0.44561	3.67E-24	-0.5747	2.13E-42	-0.5885	7.37E-45	-0.25013	4.30E-08	-0.2363
0.561878	3.24E-40	0.782137	1.40E-97	0.901781	#####	0.390173	1.98E-18	0.409112
0.293467	9.94E-11	0.499704	7.21E-31	0.569486	1.68E-41	0.136786	0.00306	0.127898
0.493868	4.37E-30	0.603485	1.14E-47	0.672668	8.26E-63	0.3871	3.83E-18	0.414017
0.313329	4.26E-12	0.43389	7.35E-23	0.571468	7.70E-42	0.191598	3.07E-05	0.25404
0.405938	5.93E-20	0.401538	1.61E-19	0.587185	1.28E-44	0.189665	3.70E-05	0.215968
0.245394	7.82E-08	0.370643	1.18E-16	0.386772	4.11E-18	0.094181	0.04192	0.100681
0.274735	1.56E-09	0.433803	7.51E-23	0.459927	8.02E-26	0.191429	3.12E-05	0.364169
-0.1879	4.38E-05	-0.32627	4.81E-13	-0.5404	9.14E-37	-0.05787	0.21195	-0.12379
0.393592	9.38E-19	0.401719	1.54E-19	0.500081	6.41E-31	0.139058	0.0026	0.12372
0.302053	2.62E-11	0.283528	4.40E-10	0.475296	1.08E-27	0.029036	0.53137	0.085192
0.539053	1.48E-36	0.613069	1.52E-49	0.622192	2.17E-51	0.33116	2.05E-13	0.287499
-0.20351	9.31E-06	-0.31169	5.58E-12	-0.36299	5.44E-16	-0.18047	8.79E-05	-0.31831
-0.26018	1.16E-08	-0.21506	2.73E-06	-0.44047	1.38E-23	0.057028	0.21867	0.004257
-0.26491	6.11E-09	-0.34467	1.80E-14	-0.451	8.89E-25	-0.36426	4.24E-16	-0.24595
0.355043	2.55E-15	0.585982	2.11E-44	0.659494	1.29E-59	0.154831	0.00079	0.195199
0.406549	5.16E-20	0.527282	8.91E-35	0.615141	5.88E-50	0.251333	3.68E-08	0.400909
0.185249	5.64E-05	0.364225	4.26E-16	0.400035	2.25E-19	0.071529	0.12269	-0.02789
0.342465	2.69E-14	0.494536	3.56E-30	0.560323	5.87E-40	0.308466	9.42E-12	0.397521
0.048766	0.29296	0.256971	1.77E-08	0.445153	4.13E-24	-0.0957	0.0387	-0.06214
-0.21747	2.10E-06	-0.37204	8.90E-17	-0.5656	7.70E-41	-0.10766	0.01996	-0.18249
0.544372	2.20E-37	0.712163	1.84E-73	0.768996	2.09E-92	0.398281	3.33E-19	0.473169
0.323667	7.52E-13	0.382836	9.48E-18	0.469614	5.44E-27	0.080711	0.08145	-0.0373
0.462298	4.18E-26	0.501633	3.95E-31	0.626703	2.52E-52	0.303301	2.15E-11	0.384426
0.382394	1.04E-17	0.425697	5.58E-22	0.496378	2.02E-30	0.287591	2.41E-10	0.154099
0.441234	1.14E-23	0.586778	1.51E-44	0.733536	5.18E-80	0.249249	4.81E-08	0.382193
0.256342	1.92E-08	0.373475	6.63E-17	0.429168	2.38E-22	0.212934	3.44E-06	0.465922
0.465978	1.51E-26	0.519067	1.42E-33	0.592184	1.55E-45	0.280817	6.53E-10	0.156258
-0.33751	6.62E-14	-0.36265	5.82E-16	-0.60661	2.84E-48	-0.1343	0.00364	-0.25312
-0.41439	8.36E-21	-0.48862	2.14E-29	-0.57766	6.43E-43	-0.26012	1.17E-08	-0.36822
-0.2988	4.37E-11	-0.52258	4.38E-34	-0.60424	8.18E-48	-0.21038	4.53E-06	-0.17179

-0.34931	7.57E-15	-0.32502	5.96E-13	-0.62044	4.96E-51	-0.03931	0.39666	-0.10177
0.378781	2.22E-17	0.407581	4.07E-20	0.711761	2.41E-73	0.222326	1.22E-06	0.220694
0.630053	4.97E-53	0.711686	2.54E-73	0.847121	#####	0.359708	1.04E-15	0.42343
-0.45316	4.99E-25	-0.6755	1.62E-63	-0.72204	2.07E-76	-0.27533	1.44E-09	-0.3405
-0.32931	2.84E-13	-0.52157	6.15E-34	-0.56828	2.70E-41	-0.21026	4.59E-06	-0.26864
0.484298	7.78E-29	0.579958	2.53E-43	0.760691	2.60E-89	0.218506	1.87E-06	0.162638
-0.26978	3.13E-09	-0.40852	3.28E-20	-0.65594	8.80E-59	-0.16717	0.00029	-0.29307
0.259322	1.30E-08	0.43397	7.20E-23	0.44394	5.66E-24	0.27645	1.22E-09	0.288507
0.544006	2.51E-37	0.620655	4.49E-51	0.742108	8.06E-83	0.451276	8.25E-25	0.486219
-0.4024	1.32E-19	-0.57785	5.97E-43	-0.7226	1.40E-76	-0.33589	8.86E-14	-0.42651
-0.3555	2.33E-15	-0.46136	5.42E-26	-0.59099	2.57E-45	-0.37406	5.88E-17	-0.45941
0.562362	2.69E-40	0.594875	4.90E-46	0.655662	1.02E-58	0.30845	9.45E-12	0.295133
0.392065	1.31E-18	0.561123	4.32E-40	0.699683	6.61E-70	0.161338	0.00046	0.168806
0.740101	3.75E-82	0.800963	#####	0.940028	#####	0.420624	1.90E-21	0.478448
0.708683	1.89E-72	0.73619	7.19E-81	0.870315	#####	0.44693	2.60E-24	0.450642
0.5666	5.21E-41	0.784204	1.99E-98	0.877815	#####	0.42947	2.21E-22	0.396472
0.573836	3.00E-42	0.68352	1.44E-65	0.739579	5.58E-82	0.419428	2.53E-21	0.547815
0.534004	8.74E-36	0.692779	5.11E-68	0.882015	#####	0.372369	8.31E-17	0.430315
0.59245	1.38E-45	0.521366	6.59E-34	0.720386	6.57E-76	0.316172	2.66E-12	0.311169
0.641663	1.53E-55	0.721749	2.53E-76	0.80292	#####	0.389968	2.07E-18	0.335765
0.413035	1.15E-20	0.478662	4.07E-28	0.534375	7.68E-36	0.430339	1.78E-22	0.468898
0.466472	1.31E-26	0.42202	1.36E-21	0.579865	2.63E-43	0.242681	1.10E-07	0.167161
0.231411	4.28E-07	0.285327	3.38E-10	0.365718	3.17E-16	0.101427	0.02841	-0.0185
-0.25895	1.36E-08	-0.34196	2.96E-14	-0.52889	5.14E-35	-0.1503	0.00112	-0.12134
0.404566	8.11E-20	0.532242	1.61E-35	0.664735	7.24E-61	0.32284	8.66E-13	0.341963
0.532055	1.72E-35	0.625324	4.89E-52	0.703518	5.59E-71	0.319969	1.41E-12	0.393322
0.394536	7.63E-19	0.576855	8.92E-43	0.605284	5.15E-48	0.332634	1.58E-13	0.484584
0.27708	1.12E-09	0.422921	1.09E-21	0.456759	1.90E-25	0.202953	9.86E-06	0.17218
0.607349	2.04E-48	0.661072	5.46E-60	0.81595	#####	0.358934	1.20E-15	0.326125
0.166829	0.00029	0.469397	5.78E-27	0.506327	8.95E-32	0.193121	2.65E-05	0.219681
0.397762	3.74E-19	0.542949	3.67E-37	0.820591	#####	0.259489	1.27E-08	0.234069
0.426196	4.94E-22	0.504502	1.60E-31	0.570313	1.22E-41	0.246195	7.08E-08	0.214555
0.512648	1.17E-32	0.560457	5.58E-40	0.798038	#####	0.249304	4.77E-08	0.305596
0.660786	6.38E-60	0.62153	2.97E-51	0.728259	2.46E-78	0.409969	2.35E-20	0.361868
0.732561	1.06E-79	0.635159	4.03E-54	0.70361	5.27E-71	0.409084	2.88E-20	0.331775
0.409549	2.59E-20	0.453223	4.91E-25	0.483043	1.13E-28	0.285709	3.19E-10	0.337283
0.386147	4.70E-18	0.446993	2.55E-24	0.59176	1.86E-45	0.219727	1.63E-06	0.337861
0.408725	3.13E-20	0.588674	6.84E-45	0.700764	3.31E-70	0.285983	3.06E-10	0.35734
0.543241	3.30E-37	0.494782	3.30E-30	0.560132	6.31E-40	0.291686	1.30E-10	0.273335
0.567098	4.29E-41	0.724266	4.28E-77	0.817431	#####	0.388167	3.05E-18	0.369113
0.307054	1.18E-11	0.377294	3.02E-17	0.500244	6.10E-31	0.162995	0.00041	0.145968
0.617635	1.85E-50	0.517847	2.12E-33	0.711708	2.50E-73	0.304462	1.79E-11	0.257683
0.212943	3.44E-06	0.44103	1.20E-23	0.470747	3.95E-27	0.050365	0.27741	0.014631
0.540407	9.12E-37	0.360818	8.34E-16	0.550054	2.76E-38	0.332908	1.51E-13	0.230497
0.573285	3.74E-42	0.5681	2.90E-41	0.640004	3.56E-55	0.373247	6.95E-17	0.341682

0.26087	1.05E-08	0.256176	1.96E-08	0.451344	8.11E-25	0.09299	0.04459	0.058441
0.532436	1.51E-35	0.453099	5.08E-25	0.606	3.74E-48	0.27549	1.40E-09	0.146047
0.543424	3.09E-37	0.62732	1.87E-52	0.854936	#####	0.308848	8.86E-12	0.332571
0.370434	1.23E-16	0.56038	5.74E-40	0.659634	1.20E-59	0.304788	1.70E-11	0.340822
0.48028	2.54E-28	0.320509	1.29E-12	0.391013	1.65E-18	0.262866	8.07E-09	0.153819
0.436765	3.56E-23	0.629143	7.74E-53	0.653294	3.62E-58	0.343042	2.42E-14	0.406085
0.682141	3.28E-65	0.672015	1.20E-62	0.720056	8.27E-76	0.429492	2.20E-22	0.441372
-0.24109	1.33E-07	-0.49572	2.48E-30	-0.54871	4.52E-38	-0.21639	2.36E-06	-0.43807
0.401032	1.80E-19	0.307971	1.02E-11	0.531905	1.81E-35	0.214443	2.92E-06	0.148204
0.529606	4.02E-35	0.643196	7.02E-56	0.705683	1.36E-71	0.314899	3.29E-12	0.263875
0.005487	0.90586	0.169712	0.00023	0.153594	0.00087	-0.00647	0.88904	0.083548
0.039783	0.39103	-0.02465	0.59513	0.025844	0.57746	-0.01626	0.72604	-0.0659
0.015775	0.73386	0.186422	5.05E-05	0.127876	0.00565	0.018489	0.69025	-0.00081
0.022637	0.62559	0.039871	0.38999	0.04916	0.28908	0.026872	0.56241	-0.02765
-0.03402	0.4633	-0.11422	0.01352	-0.05437	0.24093	-0.10776	0.01984	-0.23006
-0.02269	0.62483	0.055562	0.23075	0.118636	0.01029	-0.04023	0.38571	-0.0744
-0.03011	0.51633	-0.03432	0.45939	-0.01951	0.67413	-0.05356	0.24806	0.021894
0.021342	0.6455	0.031489	0.49725	0.039423	0.39533	-0.05767	0.21352	-0.06719
-0.13708	0.00299	-0.01419	0.75975	-0.00395	0.93217	-0.13181	0.00433	-0.08524
0.078347	0.09081	0.166615	0.0003	0.119374	0.00982	-0.11479	0.01306	-0.09915
0.03717	0.42291	0.213458	3.25E-06	0.217123	2.18E-06	-0.08264	0.07439	0.011855
0.032005	0.49023	-0.01357	0.76997	0.00599	0.89727	0.016523	0.72174	0.001821
-0.01055	0.82018	-0.08081	0.08108	-0.05286	0.25426	-0.15262	0.00094	-0.19826
0.019998	0.66644	0.032287	0.4864	0.030035	0.51734	-0.02594	0.57601	0.03554
0.026835	0.56296	0.061599	0.1839	0.026681	0.5652	0.007045	0.87931	0.029908
-0.04771	0.30356	-0.03935	0.39617	-0.02003	0.66597	-0.02378	0.60831	-0.09752
0.140983	0.00226	0.24889	5.03E-08	0.291118	1.42E-10	0.014246	0.75881	0.092616
0.019417	0.67557	-0.01213	0.79368	0.018864	0.68431	-0.02568	0.57987	-0.0719
0.13186	0.00431	-0.01508	0.74513	0.036844	0.42699	0.004264	0.92677	-0.182
0.104017	0.02458	0.099697	0.03123	0.099403	0.03174	0.136399	0.00314	0.016302
0.072074	0.11985	0.075448	0.10344	0.070396	0.12874	0.085818	0.06388	-0.00687
0.075106	0.10502	0.086917	0.06055	0.091394	0.0484	-0.02957	0.52385	0.016986
-0.01886	0.68435	0.134505	0.00359	0.114622	0.01319	-0.02256	0.62671	0.064423
0.022646	0.62545	0.073484	0.11276	0.038896	0.40168	-0.00057	0.9902	0.022529
0.013109	0.77752	0.009937	0.83041	0.023609	0.61082	-0.0383	0.40895	-0.02827
0.089937	0.0521	0.160237	0.00051	0.194017	2.42E-05	-0.04458	0.33641	-0.04695
0.035186	0.4481	0.190204	3.52E-05	0.140273	0.00238	0.096704	0.0367	0.065092
0.011891	0.79772	-0.03303	0.47647	-0.06804	0.14206	0.00194	0.96665	-0.02253
0.099747	0.03115	0.320572	1.27E-12	0.299314	4.03E-11	0.116171	0.012	0.121927
0.166897	0.00029	0.349189	7.74E-15	0.264367	6.58E-09	0.196841	1.83E-05	0.225887
0.096657	0.03679	0.085922	0.06356	0.090753	0.05	0.072628	0.11703	0.036871
0.017484	0.70629	0.031141	0.50201	-0.01004	0.82863	-0.02342	0.61369	0.022117
-0.01218	0.79298	0.001778	0.96943	-0.06772	0.14396	-0.00519	0.91093	-0.01632
-0.04471	0.33503	-0.08653	0.06169	-0.09425	0.04177	-0.04412	0.34143	-0.10972
0.004705	0.91923	-0.02811	0.54449	0.028648	0.53687	-0.07061	0.1276	-0.06538

0.01291	0.78081	0.168209	0.00026	0.129705	0.005	-0.09111	0.04909	-0.08273
-0.03244	0.48434	-0.10046	0.02997	-0.03722	0.4223	-0.12472	0.00697	-0.17892
0.025233	0.5865	0.050827	0.27302	0.069769	0.13219	-0.04558	0.32563	-0.03235
0.136416	0.00314	0.115516	0.01249	0.159774	0.00053	0.012682	0.7846	-0.04235
0.083847	0.07025	0.04207	0.36435	0.020923	0.652	0.053829	0.24565	0.009655
0.010144	0.82695	0.002608	0.95518	0.004383	0.92473	0.062658	0.17645	-0.03742
0.091324	0.04857	0.005209	0.91062	0.00723	0.87617	-0.03865	0.40469	-0.10725
0.013656	0.7685	0.022526	0.62729	0.021491	0.64319	-0.08745	0.05899	-0.2259
-0.04013	0.38685	-0.05839	0.20788	-0.00557	0.90444	-0.08553	0.0648	-0.11992
-0.03427	0.46006	-0.04006	0.38768	0.038972	0.40076	-0.08057	0.082	-0.11522
-0.06716	0.14729	-0.05741	0.21557	-0.02001	0.6663	-0.0574	0.21569	-0.13025
0.059051	0.20274	0.205739	7.39E-06	0.251935	3.41E-08	0.042853	0.35549	0.10972
-0.03065	0.50877	-0.00058	0.99006	-0.0228	0.62318	-0.08866	0.05555	-0.05858
-0.00986	0.83173	0.009258	0.84185	-0.00091	0.98431	-0.05033	0.27778	-0.00126
0.014135	0.76062	-0.03178	0.49329	0.00349	0.94004	-0.05271	0.25563	-0.10879
0.083041	0.073	-0.00414	0.92882	0.024032	0.60444	-0.0736	0.1122	-0.10424
0.115134	0.01279	0.154785	0.00079	0.190983	3.26E-05	0.067868	0.14308	-0.00702
0.09018	0.05147	0.08074	0.08134	0.092682	0.0453	-0.12432	0.00715	-0.11913
-0.00801	0.86301	-0.06509	0.16023	-0.00442	0.92411	-0.08457	0.06786	-0.02434
0.0834	0.07177	0.197057	1.79E-05	0.16465	0.00035	0.070978	0.12561	0.14798
0.055825	0.22855	0.210984	4.24E-06	0.182864	7.05E-05	0.050984	0.27154	0.062461
0.012878	0.78134	0.189719	3.68E-05	0.151815	0.001	0.031256	0.50044	0.173327
0.101274	0.02865	0.028914	0.53309	0.017698	0.70285	-0.03424	0.46044	0.016444
0.047294	0.30779	0.001574	0.97293	-0.00662	0.88651	-0.04175	0.36807	-0.03977
-0.05735	0.21603	0.005431	0.90681	-0.00625	0.89288	-0.11257	0.01494	-0.11782
0.074465	0.10803	0.051758	0.26431	0.072288	0.11876	-0.03367	0.46788	-0.00038
0.037702	0.4163	-0.02503	0.5895	-0.0239	0.6064	-0.00062	0.98936	-0.12435
0.109679	0.01774	0.214038	3.05E-06	0.206622	6.74E-06	-0.01002	0.82896	0.098681
-0.12574	0.00651	-0.11044	0.01696	-0.06987	0.13163	-0.1295	0.00507	-0.15006
0.220399	1.51E-06	0.329899	2.56E-13	0.440538	1.36E-23	0.103647	0.0251	0.219777
0.010298	0.82435	0.040205	0.38602	0.056248	0.22504	-0.00127	0.97823	0.008585
0.065085	0.16025	0.023722	0.60911	0.032713	0.48067	0.016154	0.72771	-0.04073
-0.00912	0.84421	-0.02146	0.64364	0.10361	0.02515	-0.12551	0.00661	-0.14318
0.06628	0.1527	-0.00011	0.99805	0.033072	0.47586	-0.1146	0.01321	-0.14565
0.097814	0.03459	0.024691	0.59456	0.020041	0.66577	0.117808	0.01084	-0.05353
0.11123	0.01618	0.007318	0.87468	0.016634	0.71995	0.103737	0.02497	-0.04222
0.091141	0.04902	0.059509	0.19925	0.051804	0.26389	0.067514	0.14519	-0.0028
0.024269	0.60088	0.123653	0.00747	0.162449	0.00042	-0.00336	0.94234	0.008039
0.046719	0.31372	0.02195	0.63613	0.020828	0.65347	-0.02567	0.58	-0.01954
0.00144	0.97524	0.103536	0.02526	0.141391	0.00219	0.038319	0.40871	-0.04688
0.063012	0.17402	0.177237	0.00012	0.185246	5.64E-05	0.032676	0.48117	0.050171
0.055621	0.23026	0.082847	0.07368	0.102291	0.02708	0.000933	0.98395	0.016585
0.067004	0.14826	0.019434	0.6753	0.043926	0.34356	-0.11024	0.01716	-0.08188
-0.04222	0.36266	-0.08929	0.05383	-0.07561	0.10268	-0.07193	0.1206	-0.10577
0.132823	0.00404	0.105886	0.02211	0.140763	0.0023	0.036233	0.4347	-0.04121

-0.03371	0.46735	-0.03157	0.49609	0.073421	0.11307	-0.08573	0.06414	-0.10055
-0.03268	0.48111	0.033192	0.47427	0.078861	0.0887	-0.07819	0.09146	-0.09974
0.08523	0.06573	0.109967	0.01744	0.129134	0.00519	0.061779	0.18262	0.041507
0.027392	0.55487	-0.01308	0.77801	0.005948	0.89799	-0.03195	0.49098	-0.07508
0.018199	0.69486	-0.00684	0.88284	0.031175	0.50155	0.024134	0.60292	-0.02672
0.052489	0.25762	0.02696	0.56113	0.06746	0.14551	0.03512	0.44896	-0.00446
0.147878	0.00135	0.07869	0.0894	0.19448	2.32E-05	-0.04624	0.31873	-0.1696
0.023327	0.61509	-0.04124	0.37385	-0.04728	0.30798	-0.05448	0.23994	-0.07542
0.092995	0.04458	0.156044	0.00071	0.212848	3.47E-06	0.062192	0.1797	0.010358
0.091481	0.04818	0.052353	0.25885	0.069493	0.13373	0.027114	0.5589	0.029491
0.051101	0.27043	0.040246	0.38553	0.041674	0.36888	-0.05619	0.22553	-0.0036
0.031282	0.50008	-0.019	0.68207	-0.03593	0.43862	-0.01846	0.69072	0.02167
0.029646	0.52277	-0.10914	0.01831	-0.08429	0.06879	0.015352	0.74072	-0.19088
0.004109	0.92943	0.013079	0.77802	0.029218	0.52879	-0.0368	0.42754	0.012228
0.002455	0.95781	-0.08846	0.05611	-0.03972	0.39179	-0.2169	2.23E-06	-0.22661
0.181255	8.18E-05	0.016848	0.71651	0.036732	0.42841	0.070056	0.1306	0.018451
0.01087	0.81477	0.015339	0.74094	0.01664	0.71986	0.069496	0.13372	-0.04631
0.060751	0.19001	0.023953	0.60564	0.019846	0.66881	-0.15858	0.00058	-0.13834
0.089862	0.0523	0.100724	0.02953	0.101712	0.02796	-0.01999	0.66663	-0.14715
0.105994	0.02197	0.078934	0.0884	0.063588	0.17011	0.006246	0.89291	-0.0067
0.00449	0.9229	0.052287	0.25946	0.099994	0.03073	-0.02932	0.52735	-0.02925
-0.39524	6.53E-19	-0.33155	1.92E-13	-0.48039	2.46E-28	-0.19012	3.55E-05	-0.3062
0.037504	0.41876	-0.05203	0.26178	0.148271	0.00131	-0.04633	0.31774	0.02212
0.086995	0.06031	0.257864	1.57E-08	-0.074	0.11024	0.304386	1.81E-11	0.334706
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0.00571	0.90205	0.020126	0.66443	-0.20033	1.29E-05	0.038827	0.40252	0.14326
0.298549	4.54E-11	0.227033	7.12E-07	0.21074	4.36E-06	0.13103	0.00456	0.246179
-0.00153	0.97374	-0.00146	0.97483	-0.14284	0.00197	-0.07338	0.11327	-0.09091
0.192319	2.86E-05	0.173325	0.00017	-0.06314	0.17317	0.162051	0.00044	0.075326
0.13648	0.00312	0.069135	0.13575	0.301467	2.88E-11	-0.11124	0.01617	-0.01037
-0.1198	0.00956	-0.08204	0.07654	-0.36367	4.76E-16	-0.00537	0.90778	-0.05362
-0.00746	0.87226	-0.25301	2.96E-08	-0.50762	5.92E-32	0.07575	0.10206	-0.09338
0.147623	0.00138	0.021386	0.64482	-0.21039	4.52E-06	0.086289	0.06243	-0.04545
0.201192	1.18E-05	-0.09239	0.04598	0.178858	0.0001	-0.02553	0.58207	-0.12334
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0.109066	0.01839	-0.06948	0.13379	-0.2633	7.60E-09	0.069858	0.1317	0.038229
0.100837	0.02934	-0.08612	0.06295	-0.20668	6.70E-06	0.017315	0.709	-0.22866
-0.01653	0.72171	-0.10707	0.02065	-0.30859	9.24E-12	0.052029	0.26182	0.037861
0.109885	0.01753	-0.21271	3.52E-06	-0.16831	0.00026	-0.0577	0.21327	-0.10477
0.072907	0.11562	-0.15518	0.00077	-0.20833	5.63E-06	0.059302	0.20082	-0.06704
-0.38454	6.61E-18	-0.28344	4.46E-10	-0.52354	3.18E-34	-0.14115	0.00223	-0.08666
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0.322218	9.63E-13	0.144646	0.00172	-0.11399	0.01371	0.289852	1.72E-10	0.20168
-0.29434	8.71E-11	-0.2089	5.30E-06	-0.47274	2.24E-27	-0.05524	0.23345	0.014236
0.06573	0.15614	0.098986	0.03247	-0.18179	7.79E-05	0.106158	0.02177	0.209596



-0.10159	0.02816	-0.27983	7.54E-10	-0.32335	7.93E-13	-0.10728	0.0204	-0.29603
-0.06403	0.16714	-0.17574	0.00013	-0.29617	6.57E-11	-0.14625	0.00153	-0.33557
0.177238	0.00012	0.01573	0.73458	0.220902	1.43E-06	0.092463	0.04582	0.11157
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-0.05983	0.19682	-0.04487	0.33325	-0.45412	3.86E-25	0.092939	0.04471	0.129899
-0.00218	0.96248	-0.06987	0.13164	-0.42739	3.69E-22	0.154118	0.00083	0.096197
0.002096	0.96397	0.020882	0.65264	0.170424	0.00022	-0.01565	0.73586	0.035015
0.341836	3.02E-14	0.328843	3.07E-13	0.495317	2.80E-30	0.1151	0.01281	0.211564
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-0.57596	1.28E-42	-0.49114	1.00E-29	-0.71321	9.09E-74	-0.32828	3.39E-13	-0.35216
0.103803	0.02488	-0.28788	2.31E-10	-0.4048	7.68E-20	-0.06621	0.15316	-0.22256
0.199979	1.34E-05	0.039546	0.39386	0.181152	8.26E-05	0.145973	0.00156	0.059644
0.199711	1.37E-05	-0.07487	0.10611	0.244029	9.28E-08	-0.08297	0.07325	-0.3201
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0.160857	0.00048	0.085583	0.06462	-0.25211	3.33E-08	0.274177	1.69E-09	0.309419
0.187944	4.37E-05	0.072294	0.11873	-0.09168	0.0477	0.157581	0.00063	-0.08423
0.063365	0.17161	-0.06287	0.175	0.098822	0.03276	0.096846	0.03642	-0.0082
-0.51631	3.53E-33	-0.60824	1.37E-48	-0.62017	5.63E-51	-0.40658	5.12E-20	-0.5938
-0.41993	2.25E-21	-0.41507	7.12E-21	-0.43315	8.84E-23	-0.33531	9.82E-14	-0.48054
0.042149	0.36345	0.012081	0.79458	-0.1368	0.00305	-0.06338	0.1715	-0.30067
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-0.28684	2.70E-10	-0.3902	1.97E-18	-0.57547	1.56E-42	-0.1678	0.00027	-0.15746
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0.127745	0.0057	-0.0913	0.04862	-0.234	3.15E-07	0.103366	0.0255	-0.01891
-0.2349	2.83E-07	-0.20479	8.16E-06	-0.49837	1.09E-30	-0.04399	0.34286	-0.04695
-0.41928	2.63E-21	-0.36608	2.95E-16	-0.5408	7.93E-37	-0.18824	4.25E-05	-0.16201
-0.58256	8.71E-44	-0.54751	7.01E-38	-0.65492	1.52E-58	-0.28732	2.51E-10	-0.27816
-0.29537	7.43E-11	-0.39859	3.11E-19	-0.55464	5.02E-39	-0.15958	0.00054	-0.24592
-0.3327	1.56E-13	-0.24868	5.17E-08	-0.58188	1.15E-43	-0.07749	0.09441	-0.10983
-0.10282	0.02629	0.012017	0.79563	-0.30519	1.60E-11	0.070134	0.13017	0.125905
0.257483	1.65E-08	0.154968	0.00078	-0.01999	0.66654	0.15877	0.00057	0.089009
-0.62429	8.00E-52	-0.62106	3.71E-51	-0.70501	2.11E-71	-0.33906	5.00E-14	-0.37803
-0.37899	2.12E-17	-0.51273	1.14E-32	-0.54023	9.71E-37	-0.33617	8.42E-14	-0.4507
-0.35471	2.72E-15	-0.41684	4.70E-21	-0.62623	3.16E-52	-0.23994	1.54E-07	-0.2164
0.011533	0.8037	0.082859	0.07364	-0.16996	0.00022	0.088655	0.05556	0.039039
0.07937	0.08665	0.200163	1.31E-05	-0.20516	7.85E-06	0.147154	0.00143	0.174873
-0.07328	0.11375	-0.10384	0.02483	-0.38479	6.26E-18	0.081914	0.07699	0.123915
-0.20484	8.11E-06	-0.20191	1.10E-05	-0.46657	1.28E-26	-0.07218	0.11932	-0.08801
-0.13804	0.0028	-0.3311	2.07E-13	-0.49362	4.72E-30	-0.10317	0.02578	-0.18558
-0.28391	4.16E-10	-0.16264	0.00042	-0.5781	5.39E-43	-0.05133	0.26827	-0.05868
0.020512	0.6584	-0.06103	0.18802	-0.36669	2.61E-16	0.139158	0.00258	0.060164
-0.19788	1.65E-05	-0.35019	6.41E-15	-0.55	2.81E-38	-0.02974	0.52144	-0.13994
-0.4465	2.91E-24	-0.40387	9.49E-20	-0.66502	6.19E-61	-0.21526	2.67E-06	-0.22393
-0.65449	1.91E-58	-0.78732	1.01E-99	-0.69218	7.40E-68	-0.4623	4.19E-26	-0.56657

-0.42532	6.12E-22	-0.48451	7.31E-29	-0.65511	1.37E-58	-0.17085	0.00021	-0.21732
-0.22659	7.50E-07	-0.3439	2.07E-14	-0.45861	1.15E-25	-0.12056	0.00911	-0.11065
-0.04622	0.3189	-0.16252	0.00042	-0.38269	9.77E-18	0.014607	0.75288	-0.17668
-0.30107	3.06E-11	-0.22341	1.08E-06	-0.48376	9.14E-29	-0.15321	0.00089	-0.14905
-0.42046	1.98E-21	-0.38045	1.57E-17	-0.63044	4.12E-53	-0.17816	0.00011	-0.25564
-0.40977	2.46E-20	-0.25845	1.46E-08	-0.53322	1.15E-35	-0.07899	0.08816	-0.06926
-0.49276	6.14E-30	-0.52925	4.53E-35	-0.76469	8.69E-91	-0.28185	5.62E-10	-0.32772
-0.15261	0.00094	-0.15519	0.00077	-0.43423	6.75E-23	-0.12019	0.00933	-0.17279
-0.50031	5.97E-31	-0.61307	1.52E-49	-0.70803	2.90E-72	-0.24244	1.13E-07	-0.32836
-0.42473	7.07E-22	-0.27691	1.15E-09	-0.58487	3.35E-44	-0.19167	3.05E-05	-0.23039
-0.17726	0.00012	-0.16326	0.0004	-0.29032	1.60E-10	-0.10584	0.02217	-0.21397
-0.34302	2.43E-14	-0.36893	1.67E-16	-0.62555	4.38E-52	-0.07708	0.09618	-0.08152
-0.43086	1.56E-22	-0.47453	1.34E-27	-0.59665	2.28E-46	-0.36102	8.01E-16	-0.39997
-0.23815	1.91E-07	-0.35486	2.64E-15	-0.52973	3.84E-35	-0.13898	0.00261	-0.27398
-0.40149	1.63E-19	-0.45178	7.22E-25	-0.65355	3.16E-58	-0.27851	9.12E-10	-0.34748
-0.16548	0.00033	-0.04944	0.2863	-0.4076	4.05E-20	-0.01228	0.79124	-0.05567
-0.18607	5.22E-05	-0.11833	0.01049	-0.45181	7.17E-25	-0.01238	0.78962	0.039917
0.067877	0.14303	-0.14104	0.00225	-0.3531	3.69E-15	0.018742	0.68624	-0.11529
-0.08585	0.0638	-0.02887	0.53374	-0.35392	3.16E-15	0.01982	0.66923	-0.03387
-0.04529	0.32873	-0.00151	0.97403	-0.44024	1.47E-23	0.1071	0.02062	0.109877
0.165046	0.00034	0.079033	0.08801	-0.15745	0.00064	0.141047	0.00225	0.044022
-0.21731	2.14E-06	-0.38872	2.70E-18	-0.49746	1.45E-30	-0.08787	0.05777	-0.11772
-0.19449	2.31E-05	0.026058	0.57432	-0.37818	2.52E-17	0.044656	0.33559	0.122503
-0.16113	0.00047	-0.45832	1.24E-25	-0.43676	3.57E-23	-0.11862	0.0103	-0.21052
-0.56549	8.03E-41	-0.66467	7.51E-61	-0.70358	5.36E-71	-0.38673	4.15E-18	-0.41234
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-0.1721	0.00019	-0.1695	0.00023	-0.41478	7.64E-21	-0.03808	0.41163	-0.01423
-0.37847	2.37E-17	-0.52899	4.97E-35	-0.60024	4.78E-47	-0.24646	6.84E-08	-0.30182
-0.07272	0.11659	-0.13245	0.00414	-0.40023	2.16E-19	-0.01606	0.72915	-0.11257
-0.25378	2.69E-08	-0.24024	1.48E-07	-0.53229	1.59E-35	-0.10524	0.02294	-0.10751
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-0.46267	3.78E-26	-0.54827	5.31E-38	-0.71801	3.41E-75	-0.29581	6.94E-11	-0.39953
-0.39661	4.83E-19	-0.62846	1.08E-52	-0.54805	5.77E-38	-0.25523	2.22E-08	-0.36889
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-0.20758	6.09E-06	-0.18471	5.93E-05	-0.48807	2.53E-29	-0.07988	0.08464	-0.11797
0.036522	0.43105	0.140076	0.00241	-0.30782	1.05E-11	0.140887	0.00228	0.220485
-0.34008	4.16E-14	-0.47173	2.98E-27	-0.55237	1.17E-38	-0.25423	2.53E-08	-0.26191
-0.08777	0.05806	-0.06097	0.18842	-0.3165	2.52E-12	0.01569	0.73523	-0.08778
-0.07935	0.08674	-0.16004	0.00052	-0.33636	8.14E-14	-0.10137	0.0285	-0.17028
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0.091511	0.04811	-0.11666	0.01164	0.19184	3.00E-05	-0.13195	0.00428	-0.05827
0.074689	0.10697	-0.19275	2.75E-05	0.002097	0.96396	0.043514	0.3481	0.098218
0.066913	0.14881	-0.00323	0.94454	-0.17924	9.84E-05	0.098593	0.03316	0.093618
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0.127103	0.00595	0.053558	0.24804	-0.11481	0.01304	0.178778	0.0001	0.139803
0.25248	3.18E-08	-0.08782	0.0579	0.135573	0.00333	0.005233	0.9102	0.042217
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-0.21836	1.90E-06	0.053558	0.24804	-0.27262	2.11E-09	0.036005	0.43761	0.291579
-0.422	1.37E-21	-0.68306	1.90E-65	-0.60018	4.92E-47	-0.35939	1.10E-15	-0.56493
-0.33635	8.15E-14	-0.33148	1.94E-13	-0.56142	3.87E-40	-0.08899	0.05464	-0.11975
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-0.12257	0.00801	-0.06489	0.16154	-0.41282	1.21E-20	0.016058	0.72927	-0.03244
-0.20976	4.84E-06	-0.52429	2.46E-34	-0.48597	4.74E-29	-0.22238	1.21E-06	-0.43326
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0.2122	3.72E-06	0.501277	4.41E-31	0.403788	9.67E-20	0.353219	3.61E-15	0.480331
0.094411	0.04142	-0.42315	1.03E-21	-0.14476	0.00171	-0.09906	0.03234	-0.26926
-0.21343	3.26E-06	-0.49986	6.87E-31	-0.4932	5.35E-30	-0.15156	0.00102	-0.30952
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0.046239	0.31873	-0.47323	1.95E-27	-0.28083	6.53E-10	-0.08411	0.06936	-0.33708
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-0.35925	1.13E-15	-0.55358	7.48E-39	-0.38364	8.01E-18	-0.28521	3.44E-10	-0.42219
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0.061336	0.18577	-0.17453	0.00015	-0.11934	0.00984	-0.06056	0.19139	-0.26839
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0.114527	0.01327	-0.32616	4.90E-13	-0.18589	5.31E-05	-0.03973	0.39164	-0.26925
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0.006361	0.89095	-0.33813	5.92E-14	-0.17434	0.00015	-0.13298	0.00399	-0.33729
0.040785	0.37919	-0.3902	1.96E-18	-0.25177	3.48E-08	-0.20229	1.06E-05	-0.46647
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0.013152	0.77682	-0.35237	4.24E-15	-0.03032	0.5133	-0.12838	0.00546	-0.36643
0.103505	0.0253	-0.21431	2.97E-06	0.003518	0.93956	-0.00672	0.88488	-0.18873
0.049789	0.28294	-0.09811	0.03404	-0.08701	0.06028	0.019422	0.67549	-0.08418
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0.058556	0.20655	-0.18383	6.44E-05	-0.07021	0.12974	-0.02039	0.66038	-0.28662
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0.344719	1.78E-14	-0.13677	0.00306	-0.00873	0.85082	0.060099	0.19482	-0.11888
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0.056821	0.22034	-0.23399	3.15E-07	-0.05082	0.27307	-0.07597	0.10109	-0.13652
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0.06819	0.1412	-0.43949	1.78E-23	-0.34068	3.73E-14	-0.08125	0.07944	-0.34265
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-0.30833	9.64E-12	-0.55617	2.83E-39	-0.41818	3.41E-21	-0.27432	1.66E-09	-0.40266
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0.036838	0.42707	-0.23182	4.08E-07	-0.09348	0.04348	-0.26294	7.99E-09	-0.3435
-0.24088	1.37E-07	-0.44487	4.45E-24	-0.33471	1.09E-13	-0.24149	1.27E-07	-0.22768
0.08435	0.06858	-0.28824	2.19E-10	-0.25775	1.60E-08	-0.1058	0.02222	-0.29876
0.202714	1.01E-05	-0.22789	6.45E-07	-0.02421	0.60181	-0.04386	0.34433	-0.30212
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-0.47169	3.02E-27	-0.68792	1.01E-66	-0.55782	1.52E-39	-0.35772	1.52E-15	-0.52562
0.095193	0.03975	-0.27872	8.85E-10	-0.059	0.20311	-0.19343	2.57E-05	-0.37052
0.0544	0.24067	-0.34626	1.34E-14	-0.12609	0.00636	-0.13653	0.00311	-0.25521

-0.30864	9.17E-12	-0.55223	1.23E-38	-0.4073	4.34E-20	-0.33509	1.02E-13	-0.42299
0.038612	0.40514	-0.05453	0.23958	0.147813	0.00136	-0.1517	0.00101	-0.13546
-0.15268	0.00093	-0.60457	7.08E-48	-0.38177	1.19E-17	-0.22462	9.40E-07	-0.37306
0.047532	0.30536	-0.17523	0.00014	-0.20262	1.02E-05	-0.06984	0.13178	-0.2776
-0.05648	0.2231	-0.48258	1.29E-28	-0.34978	6.93E-15	-0.24739	6.08E-08	-0.46647
0.12227	0.00817	-0.28628	2.93E-10	-0.15175	0.001	0.037181	0.42278	-0.04483
-0.07494	0.10577	-0.35362	3.34E-15	-0.20988	4.77E-06	-0.15363	0.00087	-0.49729
-0.15334	0.00089	-0.1604	0.0005	-0.19147	3.11E-05	-0.05717	0.21753	-0.28884
0.179865	9.29E-05	-0.07754	0.09421	0.205784	7.35E-06	0.022034	0.63482	-0.16333
-0.09987	0.03095	-0.14631	0.00152	-0.09036	0.05101	-0.2171	2.18E-06	-0.31697
-0.26471	6.28E-09	-0.63519	3.98E-54	-0.42705	4.00E-22	-0.23588	2.51E-07	-0.38298
0.229184	5.55E-07	-0.19858	1.54E-05	-0.02763	0.5515	0.078446	0.0904	-0.05508
0.097507	0.03516	-0.41176	1.55E-20	-0.18932	3.83E-05	-0.14688	0.00146	-0.32287
-0.51031	2.49E-32	-0.68963	3.56E-67	-0.62774	1.53E-52	-0.31582	2.82E-12	-0.50011
0.121006	0.00886	-0.27518	1.47E-09	-0.06668	0.15023	-0.06654	0.15111	-0.20744
-0.0827	0.0742	-0.28341	4.48E-10	-0.08052	0.08215	-0.18772	4.46E-05	-0.30917
-0.02579	0.57829	-0.25111	3.79E-08	-0.06964	0.13292	-0.14803	0.00134	-0.47111
-0.03542	0.44505	-0.10299	0.02605	-0.05238	0.25858	-0.09416	0.04197	-0.35486
0.357649	1.54E-15	0.092984	0.0446	0.101111	0.02891	0.098064	0.03412	-0.18711
0.235887	2.51E-07	-0.04141	0.37193	0.054857	0.23673	-0.07357	0.11235	-0.26369
-0.21884	1.80E-06	-0.44341	6.50E-24	-0.44428	5.18E-24	-0.15336	0.00088	-0.27135
-0.17927	9.81E-05	-0.50456	1.57E-31	-0.43868	2.19E-23	-0.26103	1.03E-08	-0.33627
-0.33451	1.13E-13	-0.74816	7.19E-85	-0.55112	1.86E-38	-0.33075	2.20E-13	-0.45651
0.101083	0.02895	-0.32	1.40E-12	-0.35043	6.12E-15	0.04888	0.29184	-0.08281
-0.31693	2.35E-12	-0.68051	8.62E-65	-0.53465	6.98E-36	-0.19742	1.73E-05	-0.35242
0.059821	0.1969	-0.43806	2.56E-23	-0.26292	8.01E-09	-0.16683	0.00029	-0.3781
-0.25024	4.24E-08	-0.43646	3.84E-23	-0.33424	1.19E-13	-0.25635	1.92E-08	-0.22239
-0.33757	6.55E-14	-0.42744	3.64E-22	-0.4504	1.04E-24	-0.25047	4.12E-08	-0.32034
-0.384	7.41E-18	-0.57599	1.27E-42	-0.61946	7.87E-51	-0.27072	2.75E-09	-0.33239
-0.36241	6.10E-16	-0.64193	1.34E-55	-0.60778	1.68E-48	-0.23518	2.73E-07	-0.38719
-0.14576	0.00159	-0.47815	4.72E-28	-0.4208	1.83E-21	-0.09249	0.04576	-0.39157
0.028119	0.54442	-0.37035	1.25E-16	-0.16712	0.00029	-0.11185	0.0156	-0.22435
-0.25623	1.95E-08	-0.59833	1.10E-46	-0.52897	4.99E-35	-0.25703	1.76E-08	-0.42165
-0.26901	3.48E-09	-0.49429	3.83E-30	-0.30804	1.01E-11	-0.2974	5.43E-11	-0.29903
-0.16305	0.0004	-0.42664	4.43E-22	-0.2651	5.96E-09	-0.25583	2.05E-08	-0.33803
-0.1386	0.00269	-0.52986	3.68E-35	-0.40712	4.52E-20	-0.18377	6.48E-05	-0.43143
-0.39241	1.22E-18	-0.61714	2.32E-50	-0.58729	1.22E-44	-0.31082	6.43E-12	-0.4771
-0.28191	5.57E-10	-0.45001	1.15E-24	-0.51524	5.01E-33	-0.16955	0.00023	-0.16558
-0.24759	5.93E-08	-0.43389	7.35E-23	-0.51658	3.23E-33	-0.12827	0.0055	-0.25139
-0.11267	0.01485	-0.49575	2.45E-30	-0.3968	4.62E-19	-0.08946	0.05336	-0.16514
-0.12998	0.0049	-0.48475	6.81E-29	-0.44496	4.35E-24	-0.20155	1.14E-05	-0.46414
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-0.44323	6.80E-24	-0.56292	2.17E-40	-0.52202	5.28E-34	-0.33707	7.16E-14	-0.34109
-0.20609	7.13E-06	-0.48793	2.63E-29	-0.36111	7.88E-16	-0.31198	5.32E-12	-0.4993
-0.40822	3.51E-20	-0.63777	1.09E-54	-0.56012	6.33E-40	-0.36623	2.86E-16	-0.38952

-0.22719	7.00E-07	-0.65762	3.57E-59	-0.55166	1.53E-38	-0.19666	1.87E-05	-0.36502
-0.28609	3.02E-10	-0.48664	3.89E-29	-0.36973	1.42E-16	-0.31037	6.92E-12	-0.49799
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-0.12148	0.00859	-0.49526	2.85E-30	-0.40967	2.51E-20	-0.2702	2.95E-09	-0.41565
-0.15526	0.00076	-0.33737	6.79E-14	-0.19141	3.13E-05	-0.22646	7.61E-07	-0.38415
-0.29332	1.02E-10	-0.60257	1.72E-47	-0.56173	3.42E-40	-0.30665	1.26E-11	-0.34482
-0.30116	3.02E-11	-0.56258	2.47E-40	-0.54227	4.68E-37	-0.28616	2.98E-10	-0.24298
-0.33583	8.95E-14	-0.56326	1.91E-40	-0.47284	2.18E-27	-0.09038	0.05096	-0.35801
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-0.27883	8.71E-10	-0.62451	7.20E-52	-0.48769	2.84E-29	-0.28873	2.03E-10	-0.44061
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-0.24045	1.44E-07	-0.606	3.74E-48	-0.46395	2.65E-26	-0.4087	3.14E-20	-0.51041
-0.31018	7.13E-12	-0.54564	1.39E-37	-0.47166	3.05E-27	-0.18969	3.69E-05	-0.19766
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-0.2807	6.65E-10	-0.53875	1.64E-36	-0.50002	6.54E-31	-0.06496	0.16107	-0.09558
-0.41666	4.90E-21	-0.69161	1.05E-67	-0.62421	8.32E-52	-0.25958	1.25E-08	-0.46251
-0.4262	4.93E-22	-0.64291	8.12E-56	-0.59747	1.60E-46	-0.34662	1.25E-14	-0.41137
-0.38432	6.92E-18	-0.53087	2.59E-35	-0.57097	9.39E-42	-0.32309	8.30E-13	-0.47428
-0.36623	2.86E-16	-0.65439	2.02E-58	-0.57701	8.39E-43	-0.32316	8.20E-13	-0.40647
-0.17722	0.00012	-0.38848	2.85E-18	-0.53017	3.31E-35	-0.2088	5.35E-06	-0.20551
-0.26901	3.48E-09	-0.42462	7.25E-22	-0.45353	4.52E-25	-0.14696	0.00145	-0.33389
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-0.21017	4.63E-06	-0.50252	2.99E-31	-0.49779	1.31E-30	-0.15066	0.00109	-0.19476
-0.24136	1.29E-07	-0.63693	1.67E-54	-0.59981	5.76E-47	-0.17997	9.20E-05	-0.36078
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-0.22643	7.63E-07	-0.55968	7.48E-40	-0.60759	1.83E-48	-0.14692	0.00145	-0.22297
-0.44682	2.68E-24	-0.74025	3.34E-82	-0.73084	3.76E-79	-0.33748	6.66E-14	-0.48452
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-0.22571	8.30E-07	-0.42597	5.22E-22	-0.50056	5.52E-31	-0.16172	0.00045	-0.2977
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-0.3803	1.62E-17	-0.50061	5.44E-31	-0.57583	1.35E-42	-0.24449	8.76E-08	-0.22871
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-0.49675	1.80E-30	-0.7501	1.53E-85	-0.72557	1.70E-77	-0.32359	7.63E-13	-0.44047
-0.27702	1.13E-09	-0.58732	1.21E-44	-0.64347	6.10E-56	-0.19706	1.79E-05	-0.33546
-0.47657	7.46E-28	-0.61846	1.26E-50	-0.59192	1.74E-45	-0.23527	2.70E-07	-0.29955
-0.31075	6.51E-12	-0.67824	3.28E-64	-0.61452	7.83E-50	-0.31189	5.40E-12	-0.46085

-0.51648	3.33E-33	-0.76923	1.70E-92	-0.6004	4.45E-47	-0.46855	7.34E-27	-0.6791
-0.37489	4.96E-17	-0.6832	1.75E-65	-0.63645	2.12E-54	-0.32279	8.73E-13	-0.48842
-0.25582	2.06E-08	-0.62806	1.31E-52	-0.60791	1.59E-48	-0.16311	0.0004	-0.30344
-0.04799	0.30072	-0.49165	8.60E-30	-0.39547	6.22E-19	-0.1319	0.0043	-0.27838
-0.45696	1.80E-25	-0.65114	1.13E-57	-0.63891	6.17E-55	-0.46607	1.47E-26	-0.45734
-0.24125	1.31E-07	-0.63924	5.24E-55	-0.57466	2.16E-42	-0.22373	1.04E-06	-0.40374
0.43826	2.44E-23	0.698164	1.74E-69	0.624819	6.22E-52	0.252059	3.35E-08	0.379089
-0.26587	5.36E-09	-0.4649	2.04E-26	-0.49763	1.37E-30	-0.1319	0.0043	-0.21013
-0.37033	1.26E-16	-0.54034	9.33E-37	-0.48876	2.06E-29	-0.33904	5.03E-14	-0.32946
-0.25931	1.30E-08	-0.60542	4.84E-48	-0.49423	3.91E-30	-0.23639	2.37E-07	-0.37127
-0.15403	0.00084	-0.51297	1.05E-32	-0.56618	6.14E-41	-0.14337	0.0019	-0.29439
-0.36579	3.12E-16	-0.52354	3.17E-34	-0.47745	5.79E-28	-0.24024	1.48E-07	-0.32619
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-0.52183	5.63E-34	-0.76528	5.27E-91	-0.59695	2.00E-46	-0.42507	6.50E-22	-0.5635
-0.33007	2.48E-13	-0.74504	8.34E-84	-0.58636	1.81E-44	-0.32374	7.42E-13	-0.47531
0.060763	0.18993	-0.41016	2.24E-20	-0.32512	5.86E-13	-0.00279	0.95209	-0.12159
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-0.29619	6.54E-11	-0.6533	3.62E-58	-0.60034	4.57E-47	-0.2634	7.51E-09	-0.4638
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0.018067	0.69698	-0.46719	1.07E-26	-0.284	4.10E-10	-0.073	0.11518	-0.22212
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-0.2283	6.15E-07	-0.58128	1.47E-43	-0.53837	1.88E-36	-0.16109	0.00047	-0.28502
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-0.32412	6.95E-13	-0.69132	1.26E-67	-0.43879	2.13E-23	-0.36539	3.38E-16	-0.55931
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-0.15536	0.00076	-0.57179	6.77E-42	-0.5795	3.05E-43	-0.16551	0.00033	-0.34039
-0.25834	1.48E-08	-0.55879	1.05E-39	-0.52668	1.09E-34	-0.1688	0.00025	-0.2327
-0.25568	2.10E-08	-0.64552	2.12E-56	-0.45589	2.40E-25	-0.36041	9.03E-16	-0.51588
-0.43538	5.05E-23	-0.69273	5.26E-68	-0.54812	5.62E-38	-0.35359	3.37E-15	-0.51869
-0.19412	2.40E-05	-0.37665	3.45E-17	-0.36216	6.40E-16	-0.07645	0.09891	-0.26304
-0.04232	0.36153	-0.55814	1.34E-39	-0.43738	3.05E-23	-0.25161	3.55E-08	-0.30617
-0.24666	6.67E-08	-0.60469	6.71E-48	-0.55603	2.98E-39	-0.17573	0.00014	-0.42473
-0.42581	5.43E-22	-0.65046	1.62E-57	-0.60395	9.32E-48	-0.27306	1.98E-09	-0.26962
0.041519	0.37067	-0.34645	1.29E-14	-0.33991	4.29E-14	0.010059	0.82836	-0.1305
-0.26464	6.35E-09	-0.53583	4.61E-36	-0.52053	8.70E-34	-0.36292	5.51E-16	-0.34071
-0.30976	7.64E-12	-0.71207	1.97E-73	-0.51396	7.64E-33	-0.35541	2.38E-15	-0.42507
-0.16518	0.00034	-0.57353	3.38E-42	-0.39209	1.30E-18	-0.22729	6.92E-07	-0.35002
-0.29694	5.83E-11	-0.52811	6.71E-35	-0.65088	1.30E-57	-0.17399	0.00016	-0.33981
-0.39545	6.23E-19	-0.43795	2.64E-23	-0.52348	3.23E-34	-0.20515	7.85E-06	-0.29401
0.222595	1.18E-06	-0.27193	2.32E-09	-0.06009	0.1949	-0.04742	0.30655	-0.26865
-0.23197	4.00E-07	-0.4204	2.01E-21	-0.38994	2.08E-18	-0.17791	0.00011	-0.42136
-0.28388	4.18E-10	-0.47166	3.05E-27	-0.50537	1.21E-31	-0.26865	3.66E-09	-0.34243
-0.44422	5.26E-24	-0.63461	5.29E-54	-0.64312	7.30E-56	-0.38045	1.57E-17	-0.34322
0.001529	0.97371	0.075096	0.10507	-0.17087	0.00021	0.096172	0.03775	0.043971
0.092103	0.04667	0.045844	0.32288	-0.20074	1.24E-05	0.160002	0.00052	0.238824
0.243163	1.03E-07	0.142586	0.00201	-0.09901	0.03243	0.19661	1.88E-05	0.143357
0.212592	3.57E-06	-0.06369	0.16942	0.247337	6.13E-08	0.063886	0.16811	0.056929
0.358224	1.38E-15	0.049881	0.28205	-0.20518	7.83E-06	0.193205	2.63E-05	0.145968
-0.00705	0.87928	0.012085	0.79451	-0.35948	1.08E-15	0.123599	0.00749	0.171503
-0.00116	0.98	-0.11818	0.01059	-0.31165	5.61E-12	0.012837	0.78203	-0.04225
-0.09825	0.03378	-0.05383	0.24567	-0.4478	2.07E-24	0.096494	0.03711	0.296658
0.106318	0.02157	-0.02507	0.58896	-0.39182	1.38E-18	0.131352	0.00447	0.096257
-0.08107	0.08009	-0.27565	1.37E-09	-0.05505	0.23512	-0.09445	0.04132	-0.11641
0.364647	3.92E-16	0.226034	7.99E-07	-0.10648	0.02136	0.306016	1.40E-11	0.279212
0.303476	2.10E-11	0.231364	4.30E-07	-0.04324	0.3512	0.299302	4.04E-11	0.346426
0.088535	0.05589	0.105331	0.02282	-0.1355	0.00335	0.053607	0.24761	0.098385
0.430492	1.71E-22	0.343513	2.22E-14	0.020945	0.65166	0.221547	1.33E-06	0.257683
0.142583	0.00201	-0.06702	0.14815	-0.24132	1.30E-07	0.156452	0.00069	0.087615
0.475451	1.03E-27	0.533434	1.07E-35	0.145147	0.00166	0.357702	1.53E-15	0.470538
0.116769	0.01156	0.003468	0.94041	-0.38527	5.66E-18	0.122977	0.0078	0.155879
0.144653	0.00172	0.144829	0.0017	-0.15119	0.00105	0.144326	0.00177	0.057337
-0.08983	0.05239	-0.22554	8.45E-07	-0.50446	1.62E-31	-0.04918	0.28892	-0.11541
0.007683	0.86848	-0.02322	0.61669	-0.40272	1.23E-19	0.191246	3.18E-05	0.17857
0.037366	0.42047	0.103676	0.02506	-0.30187	2.70E-11	0.060866	0.18918	0.109373
0.246829	6.53E-08	0.21072	4.37E-06	-0.21973	1.63E-06	0.382905	9.35E-18	0.274009



-0.06827	0.14074	0.00529	0.90922	-0.39908	2.79E-19	0.059002	0.20311	0.116547
0.206778	6.63E-06	0.151444	0.00103	-0.13749	0.00291	0.227053	7.11E-07	0.259794
0.022516	0.62744	0.113412	0.0142	-0.28129	6.10E-10	0.189947	3.60E-05	0.082542
0.031415	0.49826	0.059563	0.19884	-0.14065	0.00232	-0.01592	0.73148	-0.05126
0.250452	4.12E-08	0.235827	2.53E-07	0.100605	0.02972	0.15236	0.00096	0.110178
0.46505	1.95E-26	0.378449	2.38E-17	0.053028	0.25276	0.31281	4.64E-12	0.281365
0.098234	0.03381	0.086494	0.06181	-0.25627	1.94E-08	0.061921	0.18161	-0.0525
0.512946	1.06E-32	0.397902	3.63E-19	0.090285	0.0512	0.435394	5.03E-23	0.498374
0.11436	0.0134	0.055695	0.22964	-0.26271	8.23E-09	0.091235	0.04879	0.080873
0.368904	1.68E-16	0.331885	1.80E-13	-0.03792	0.41356	0.296424	6.32E-11	0.239984
0.504045	1.85E-31	0.220386	1.52E-06	-0.06495	0.16116	0.351252	5.25E-15	0.317822
0.319924	1.42E-12	0.098712	0.03295	-0.16679	0.00029	0.268907	3.53E-09	0.201434
0.551754	1.47E-38	0.538325	1.91E-36	0.229064	5.63E-07	0.361967	6.65E-16	0.354366
0.040928	0.37753	0.074247	0.10907	-0.30582	1.44E-11	0.222748	1.16E-06	0.184939
0.260421	1.12E-08	-0.00076	0.98694	-0.21272	3.52E-06	0.153215	0.00089	0.115727
0.099429	0.03169	0.039709	0.39191	-0.04219	0.36296	-0.06666	0.15033	-0.13906
0.211402	4.06E-06	0.037725	0.41601	-0.16724	0.00028	0.185434	5.54E-05	0.19429
0.240294	1.47E-07	0.10395	0.02468	-0.15796	0.00061	0.246953	6.43E-08	0.324383
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0.307521	1.10E-11	0.244074	9.23E-08	-0.06701	0.1482	0.279724	7.65E-10	0.350204
0.391829	1.38E-18	0.17587	0.00013	-0.02279	0.62329	0.160384	0.0005	-0.02781
0.187127	4.72E-05	0.333632	1.32E-13	-0.00814	0.86071	0.049914	0.28174	0.200422
0.019807	0.66944	-0.03614	0.43586	-0.39249	1.19E-18	0.120397	0.00921	0.236404
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0.127322	0.00586	0.031477	0.49741	-0.34975	6.96E-15	0.267853	4.09E-09	0.297334
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0.343273	2.32E-14	0.293505	9.88E-11	-0.02585	0.57734	0.253425	2.81E-08	0.32101
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0.091256	0.04874	0.184473	6.06E-05	-0.0285	0.53903	0.133779	0.00378	0.198156
0.431005	1.51E-22	0.378628	2.29E-17	0.061548	0.18426	0.374678	5.18E-17	0.387067
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0.157283	0.00065	0.144325	0.00177	-0.1555	0.00075	0.173606	0.00016	0.1504
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0.233243	3.44E-07	0.192587	2.79E-05	-0.09649	0.03712	0.19773	1.68E-05	0.24266
0.085158	0.06596	-0.07982	0.08488	-0.38421	7.09E-18	0.175607	0.00014	0.205742
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0.519557	1.20E-33	0.401219	1.73E-19	0.127388	0.00584	0.379966	1.73E-17	0.338325
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0.408322	3.43E-20	0.434934	5.65E-23	0.103062	0.02594	0.313403	4.21E-12	0.344959
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0.451628	7.52E-25	0.370595	1.19E-16	0.020432	0.65964	0.348484	8.83E-15	0.346796

0.075826	0.10172	0.024073	0.60383	-0.29343	1.00E-10	0.086138	0.06289	0.189458
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0.147132	0.00143	0.107154	0.02055	-0.15029	0.00112	0.054452	0.24022	0.117217
0.104405	0.02405	-0.09549	0.03914	0.024658	0.59506	0.116356	0.01186	0.126858
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0.240529	1.43E-07	0.202595	1.02E-05	-0.13188	0.00431	0.193474	2.56E-05	0.171127
0.058119	0.20997	0.133761	0.00378	-0.14211	0.00208	0.072328	0.11855	0.125211
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0.119924	0.00949	0.185242	5.64E-05	-0.11673	0.01159	0.176528	0.00013	0.210661
0.324888	6.10E-13	0.211031	4.22E-06	-0.10675	0.02104	0.280071	7.28E-10	0.191992
0.345863	1.44E-14	0.241494	1.27E-07	-0.04855	0.2951	0.279572	7.83E-10	0.437256
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0.325443	5.54E-13	0.161284	0.00047	-0.2224	1.21E-06	0.269319	3.34E-09	0.240048
0.098078	0.0341	0.094376	0.04149	-0.28062	6.72E-10	0.219844	1.61E-06	0.134254
0.472258	2.57E-27	0.138999	0.00261	-0.06436	0.16498	0.296138	6.60E-11	0.129563
0.129775	0.00497	0.074683	0.107	-0.11117	0.01624	0.173891	0.00016	0.26253
0.259859	1.21E-08	0.189479	3.77E-05	-0.14809	0.00133	0.196089	1.98E-05	0.278223
0.164083	0.00037	0.113481	0.01414	-0.10996	0.01745	0.09987	0.03094	-0.00459
0.075475	0.10331	0.074831	0.1063	-0.34447	1.86E-14	0.202336	1.05E-05	0.188242
0.123185	0.0077	-0.09748	0.03522	-0.32957	2.71E-13	0.162877	0.00041	0.070578
0.15474	0.00079	0.062983	0.17422	-0.18366	6.55E-05	0.151813	0.001	0.047103
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0.095867	0.03837	-0.04059	0.38148	-0.29613	6.61E-11	0.190083	3.56E-05	0.249267
0.471506	3.18E-27	0.397644	3.84E-19	0.101583	0.02816	0.298091	4.88E-11	0.265119
0.406111	5.70E-20	0.221225	1.38E-06	0.039711	0.39189	0.322103	9.82E-13	0.222856
0.253978	2.62E-08	-0.03859	0.4054	-0.20134	1.16E-05	0.095415	0.03929	-0.01946
0.150038	0.00115	0.013541	0.7704	-0.26734	4.39E-09	0.134246	0.00366	0.187296
0.131378	0.00446	0.080117	0.08372	-0.214	3.06E-06	0.135376	0.00338	0.086181
0.52946	4.22E-35	0.283122	4.67E-10	0.06488	0.16158	0.326282	4.80E-13	0.309805
0.071269	0.12406	-0.16401	0.00037	-0.3411	3.46E-14	-0.07382	0.11114	-0.27007
0.262285	8.72E-09	-0.07317	0.11429	-0.21243	3.63E-06	0.192486	2.82E-05	0.142616
0.164876	0.00035	0.208489	5.53E-06	-0.23314	3.49E-07	0.342767	2.55E-14	0.470821
0.277371	1.07E-09	0.299176	4.12E-11	-0.06081	0.18961	0.350407	6.15E-15	0.356431
0.105035	0.02321	0.103576	0.0252	-0.14329	0.00191	0.031048	0.5033	-0.04015
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0.335925	8.80E-14	0.396366	5.10E-19	0.011206	0.80915	0.328502	3.26E-13	0.412763
0.309737	7.67E-12	0.221858	1.29E-06	-0.04465	0.33568	0.19477	2.25E-05	0.193476
0.40882	3.06E-20	0.183209	6.82E-05	-0.05578	0.22891	0.260917	1.05E-08	0.275562
0.393863	8.84E-19	0.244072	9.23E-08	-0.08429	0.06878	0.341282	3.34E-14	0.264844
0.045896	0.32233	0.022809	0.62297	-0.24878	5.10E-08	0.207957	5.85E-06	0.131388
0.261721	9.41E-09	0.306722	1.25E-11	0.058922	0.20373	0.188297	4.22E-05	0.214687
0.421544	1.53E-21	0.43856	2.26E-23	-0.0037	0.93646	0.356735	1.84E-15	0.378204
0.362635	5.84E-16	0.193882	2.46E-05	-0.07682	0.09728	0.246876	6.49E-08	0.217642

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0.596764	2.17E-46	0.423879	8.68E-22	0.123948	0.00732	0.435318	5.13E-23	0.449963
0.590155	3.66E-45	0.396814	4.62E-19	0.044707	0.33504	0.414699	7.78E-21	0.386112
0.476964	6.66E-28	0.268195	3.90E-09	-0.01286	0.7816	0.357838	1.49E-15	0.272415
0.582426	9.21E-44	0.30066	3.27E-11	0.021265	0.6467	0.322434	9.28E-13	0.26873
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0.410379	2.13E-20	0.166079	0.00031	-0.02336	0.61462	0.27323	1.93E-09	0.306991
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0.015864	0.7324	-0.18959	3.73E-05	-0.42732	3.75E-22	0.060185	0.19418	0.006076
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0.080119	0.08372	0.207847	5.92E-06	-0.11343	0.01419	0.235097	2.76E-07	0.245439
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0.385908	4.94E-18	0.19501	2.20E-05	-0.06388	0.16816	0.236515	2.33E-07	0.17263
0.529858	3.68E-35	0.395827	5.74E-19	0.118708	0.01024	0.393744	9.08E-19	0.472292
0.22687	7.26E-07	0.041196	0.37441	-0.2563	1.93E-08	0.218382	1.90E-06	0.152219
0.183338	6.74E-05	0.09997	0.03077	-0.19054	3.40E-05	0.154807	0.00079	0.073148
0.410714	1.97E-20	0.324373	6.66E-13	0.000578	0.99007	0.314477	3.53E-12	0.248978
0.458147	1.30E-25	0.387754	3.33E-18	0.023911	0.60627	0.354742	2.70E-15	0.313628
0.396752	4.68E-19	0.133673	0.0038	-0.10399	0.02462	0.226763	7.35E-07	0.069382
0.135784	0.00328	0.167243	0.00028	-0.10472	0.02363	0.128236	0.00552	0.180852
0.109978	0.01743	-0.04617	0.31945	-0.28491	3.59E-10	0.122364	0.00812	0.16437
-0.11241	0.01508	-0.21154	4.00E-06	0.006258	0.89271	-0.16996	0.00022	-0.06655
0.356639	1.88E-15	0.482322	1.40E-28	0.04217	0.36322	0.354922	2.61E-15	0.469901
0.414231	8.68E-21	0.39678	4.65E-19	0.091719	0.0476	0.30543	1.54E-11	0.227878
0.029793	0.52071	-0.00023	0.99608	-0.29927	4.06E-11	-0.01673	0.71837	0.116219
0.259664	1.24E-08	0.052563	0.25695	-0.20391	8.94E-06	0.221759	1.30E-06	0.160639
0.080888	0.08078	-0.166	0.00032	0.152505	0.00095	-0.03382	0.46592	-0.05315
0.294326	8.72E-11	0.17224	0.00018	-0.06518	0.15963	0.223334	1.09E-06	0.141524
-0.02422	0.60158	-0.1283	0.00549	0.13568	0.00331	-0.09283	0.04496	-0.14594
0.381336	1.30E-17	0.368907	1.68E-16	0.054309	0.24146	0.407132	4.51E-20	0.484188
0.348198	9.32E-15	0.427011	4.04E-22	-0.00904	0.84555	0.312691	4.74E-12	0.401898
0.411809	1.53E-20	0.316951	2.34E-12	0.010567	0.81983	0.340257	4.03E-14	0.31259
0.196899	1.82E-05	0.173103	0.00017	-0.22937	5.43E-07	0.294872	8.02E-11	0.290558
0.014993	0.74658	-0.03691	0.42615	-0.38221	1.08E-17	0.144737	0.00171	0.258025
0.310655	6.61E-12	0.294817	8.09E-11	-0.09894	0.03255	0.320521	1.28E-12	0.384045
0.204193	8.68E-06	0.148318	0.00131	-0.12262	0.00798	0.143859	0.00183	0.12444
0.487946	2.62E-29	0.377597	2.84E-17	0.061409	0.18525	0.382753	9.65E-18	0.432201
0.386038	4.81E-18	0.198856	1.50E-05	-0.08527	0.06561	0.357822	1.49E-15	0.352559
0.132467	0.00414	-0.0214	0.64461	-0.1551	0.00077	0.071812	0.12121	-0.04009

0.013284	0.77464	-0.25989	1.20E-08	-0.49643	1.99E-30	-0.01422	0.75921	-0.13535
0.456361	2.11E-25	0.350074	6.55E-15	0.076864	0.09711	0.397184	4.25E-19	0.373655
0.05077	0.27356	-0.0714	0.12338	-0.29263	1.13E-10	0.098397	0.03352	-0.08349
0.281027	6.34E-10	0.135311	0.00339	-0.09966	0.0313	0.250893	3.90E-08	0.159502
0.379666	1.85E-17	0.285527	3.28E-10	0.001136	0.98046	0.220321	1.53E-06	0.204041
0.102364	0.02697	0.315075	3.20E-12	-0.06941	0.13421	0.163921	0.00038	0.280618
0.141557	0.00217	-0.01854	0.68941	-0.28522	3.43E-10	0.122349	0.00812	0.137738
0.182328	7.41E-05	0.173937	0.00016	-0.0923	0.0462	0.159351	0.00055	0.04138
0.135712	0.0033	-0.01145	0.80499	-0.29523	7.59E-11	0.062823	0.17532	0.035748
0.505631	1.12E-31	0.461839	4.75E-26	0.114693	0.01314	0.392991	1.07E-18	0.493041
0.283627	4.34E-10	0.287244	2.54E-10	-0.036	0.43768	0.231228	4.37E-07	0.397328
0.198405	1.57E-05	-0.03063	0.50902	0.294334	8.71E-11	-0.02896	0.53249	-0.12699
0.102213	0.02719	-0.0081	0.86135	-0.31099	6.25E-12	0.205922	7.25E-06	0.166683
0.13716	0.00298	-0.21601	2.46E-06	-0.35793	1.46E-15	0.064419	0.16458	-0.00388
0.240816	1.38E-07	0.108572	0.01893	-0.16534	0.00033	0.21625	2.40E-06	0.062582
0.219802	1.62E-06	-0.01559	0.73688	-0.27453	1.61E-09	0.166434	0.0003	0.210649
0.188138	4.29E-05	-0.03625	0.43455	-0.37491	4.95E-17	0.194667	2.27E-05	0.13582
-0.09906	0.03234	-0.09139	0.0484	-0.38215	1.10E-17	0.064347	0.16506	0.046304
0.238178	1.90E-07	0.117632	0.01096	-0.18925	3.85E-05	0.229528	5.33E-07	0.352166
0.290563	1.54E-10	0.063784	0.1688	-0.13909	0.00259	0.045234	0.32936	-0.09071
0.440834	1.26E-23	0.3724	8.26E-17	0.028401	0.54039	0.305275	1.57E-11	0.306206
0.024274	0.6008	0.026931	0.56155	-0.24152	1.27E-07	-0.02611	0.57355	0.035431
0.37975	1.81E-17	0.220904	1.43E-06	0.032271	0.48663	0.209286	5.09E-06	0.142951
0.16656	0.0003	0.064096	0.16672	-0.31138	5.86E-12	0.129403	0.0051	0.085039
0.368686	1.75E-16	0.235452	2.65E-07	-0.05517	0.23411	0.221769	1.30E-06	0.188809
-0.13745	0.00291	-0.02091	0.65227	-0.36139	7.45E-16	0.087885	0.05772	0.105052
0.309738	7.67E-12	0.290685	1.52E-10	-0.01562	0.73639	0.285328	3.37E-10	0.272583
0.34274	2.56E-14	0.276489	1.22E-09	-0.00814	0.8608	0.211787	3.89E-06	0.240359
0.009962	0.82999	-0.05044	0.27665	-0.42085	1.80E-21	0.188069	4.32E-05	0.1694
0.323227	8.11E-13	0.237262	2.13E-07	-0.00781	0.86631	0.169427	0.00023	0.093528
0.37247	8.14E-17	0.309661	7.77E-12	0.036921	0.42603	0.289202	1.90E-10	0.325965
0.211304	4.10E-06	-0.03168	0.4946	-0.29963	3.84E-11	0.161944	0.00044	0.145486
0.300658	3.27E-11	0.081068	0.08011	-0.13589	0.00326	0.213365	3.28E-06	0.268063
0.00977	0.83322	-0.01967	0.67151	-0.28333	4.53E-10	0.090709	0.05011	0.068051
0.03184	0.49246	0.114543	0.01326	-0.21088	4.29E-06	0.001011	0.98262	-0.06709
-0.02634	0.5702	-0.13852	0.0027	-0.37858	2.32E-17	0.429741	2.07E-22	0.005469
-0.10581	0.02221	-0.10115	0.02885	0.016009	0.73005	0.025366	0.58453	-0.02584
0.259446	1.28E-08	0.078041	0.09208	-0.11898	0.01007	0.228197	6.23E-07	0.067191
-0.13885	0.00264	-0.13932	0.00255	0.195444	2.11E-05	-0.27984	7.53E-10	-0.28481
0.394052	8.48E-19	0.208066	5.79E-06	-0.10379	0.02489	0.327421	3.94E-13	0.373391
0.030918	0.50508	-0.19854	1.55E-05	0.047966	0.30096	-0.05671	0.22129	0.03958
0.210349	4.54E-06	0.171778	0.00019	-0.00805	0.86222	0.265048	6.00E-09	0.0505
0.031022	0.50365	-0.08075	0.08131	-0.39975	2.40E-19	0.128476	0.00543	0.195285
0.215919	2.49E-06	0.158129	0.0006	-0.08281	0.07379	0.357579	1.56E-15	0.459234
0.319156	1.62E-12	0.246147	7.12E-08	-0.08197	0.07678	0.246618	6.71E-08	0.491849

0.216745	2.27E-06	0.175855	0.00013	-0.00013	0.99772	0.026238	0.57167	-0.10681
0.255249	2.22E-08	-0.06151	0.18455	-0.21911	1.75E-06	0.244102	9.19E-08	0.242711
0.074903	0.10596	-0.01886	0.68432	-0.2623	8.71E-09	0.040134	0.38686	-0.03808
0.24446	8.79E-08	0.152177	0.00097	-0.14852	0.00129	0.233523	3.33E-07	0.223605
0.006114	0.89516	0.080882	0.0808	-0.2685	3.74E-09	0.141448	0.00218	0.105991
0.188046	4.33E-05	0.034041	0.46302	-0.21531	2.66E-06	0.215144	2.71E-06	0.24562
0.143452	0.00188	-0.05541	0.232	-0.35252	4.13E-15	0.172336	0.00018	0.170165
0.489498	1.65E-29	0.481806	1.62E-28	0.121252	0.00872	0.39324	1.01E-18	0.487853
0.412044	1.45E-20	0.277128	1.11E-09	0.07823	0.09129	0.344039	2.02E-14	0.347073
0.198855	1.50E-05	0.030867	0.50578	-0.22799	6.38E-07	0.232763	3.65E-07	0.175842
0.133568	0.00383	0.216088	2.44E-06	-0.19009	3.55E-05	0.151492	0.00102	0.318708
0.123551	0.00752	0.161515	0.00046	-0.09696	0.0362	0.243671	9.70E-08	0.38378
-0.13731	0.00294	0.124753	0.00695	-0.29705	5.73E-11	0.102901	0.02617	0.145078
0.439521	1.77E-23	0.193165	2.64E-05	0.003529	0.93938	0.247742	5.82E-08	0.276114
0.323322	7.98E-13	0.175019	0.00014	-0.08776	0.05808	0.141888	0.00212	0.02605
0.315206	3.13E-12	0.02181	0.63827	-0.14167	0.00215	0.180586	8.70E-05	0.05034
-0.04266	0.35766	0.076626	0.09815	-0.28013	7.22E-10	0.154464	0.00081	0.062786
0.375411	4.46E-17	0.333218	1.43E-13	-0.04396	0.34323	0.23925	1.67E-07	0.365818
0.215227	2.68E-06	0.167158	0.00029	-0.04058	0.38154	0.265066	5.99E-09	0.154472
0.20522	7.80E-06	0.375408	4.46E-17	0.058034	0.21063	0.205978	7.21E-06	0.25324
0.235499	2.63E-07	-0.05682	0.22033	-0.27455	1.61E-09	0.068249	0.14085	-0.05649
-0.05876	0.20498	-0.08975	0.05259	-0.3537	3.30E-15	-0.04196	0.36562	0.050328
0.427909	3.24E-22	0.189825	3.65E-05	-0.0579	0.21173	0.28373	4.27E-10	0.146153
0.466014	1.49E-26	0.334732	1.09E-13	-0.01255	0.78679	0.317728	2.05E-12	0.305999
0.10808	0.01948	0.159048	0.00056	-0.14845	0.00129	0.168123	0.00026	0.125472
0.088549	0.05585	0.163837	0.00038	-0.19352	2.55E-05	0.112519	0.01498	0.123869
0.096888	0.03634	0.176915	0.00012	-0.06628	0.15268	0.127775	0.00569	0.077015
0.263766	7.14E-09	0.093247	0.044	-0.08119	0.07966	0.030323	0.51331	-0.10335
0.010807	0.81582	0.106746	0.02104	-0.23653	2.32E-07	0.222843	1.15E-06	0.12089
0.307696	1.07E-11	0.109864	0.01755	-0.11735	0.01115	0.248767	5.11E-08	0.15263
-0.07586	0.10157	-0.18407	6.30E-05	-0.42151	1.54E-21	0.104799	0.02352	0.108997
0.229417	5.40E-07	0.015905	0.73174	-0.26854	3.72E-09	0.126963	0.00601	0.0523
0.527644	7.87E-35	0.403532	1.02E-19	0.268038	3.98E-09	0.332677	1.57E-13	0.250355
0.277717	1.02E-09	0.170823	0.00021	-0.03913	0.39882	0.243239	1.02E-07	0.39184
0.425946	5.25E-22	0.329352	2.81E-13	0.02106	0.64987	0.235717	2.56E-07	0.277091
-0.01948	0.67456	0.009195	0.8429	-0.29068	1.52E-10	0.007166	0.87726	0.057383
0.182862	7.05E-05	0.230018	5.04E-07	-0.18351	6.64E-05	0.199781	1.36E-05	0.323102
0.09276	0.04512	0.00207	0.96442	-0.17156	0.0002	0.280985	6.38E-10	0.154117
0.527809	7.44E-35	0.554478	5.34E-39	0.157343	0.00064	0.408578	3.24E-20	0.471178
0.219146	1.74E-06	0.171066	0.0002	-0.17615	0.00013	0.155236	0.00076	0.053708
0.151327	0.00104	-0.04961	0.28464	-0.31641	2.56E-12	0.153693	0.00086	-0.01518
0.118244	0.01055	-0.11863	0.01029	-0.39684	4.59E-19	0.112318	0.01517	0.029749
0.258616	1.42E-08	0.087476	0.0589	-0.14724	0.00142	0.213855	3.11E-06	0.245819
0.386539	4.32E-18	0.124512	0.00706	-0.12944	0.00509	0.331227	2.03E-13	0.421142
0.037747	0.41574	0.121137	0.00878	-0.30575	1.46E-11	0.201908	1.10E-05	0.361183

0.569692	1.55E-41	0.482555	1.30E-28	0.174972	0.00014	0.373769	6.25E-17	0.428825
0.509619	3.12E-32	0.360177	9.45E-16	0.046691	0.31401	0.278296	9.40E-10	0.309735
0.515022	5.39E-33	0.397422	4.03E-19	0.036283	0.43408	0.386053	4.79E-18	0.291326
0.501309	4.37E-31	0.278493	9.14E-10	0.143978	0.00181	0.246586	6.74E-08	0.175357
0.525703	1.53E-34	0.4155	6.44E-21	0.042638	0.3579	0.355519	2.33E-15	0.375092
0.067067	0.14787	-0.10292	0.02615	-0.39581	5.76E-19	0.174217	0.00015	0.11836
0.275367	1.43E-09	0.359503	1.08E-15	-0.02135	0.64531	0.296373	6.37E-11	0.405416
0.179729	9.41E-05	-0.09755	0.03509	-0.26813	3.94E-09	0.065442	0.15797	0.056864
0.370301	1.26E-16	0.319608	1.50E-12	-0.05249	0.25765	0.23565	2.58E-07	0.284266
0.341985	2.94E-14	0.291039	1.44E-10	-0.0873	0.05941	0.197058	1.79E-05	0.19407
0.185888	5.31E-05	0.064403	0.16469	-0.05699	0.21895	0.151827	0.001	-0.06407
0.413271	1.09E-20	0.225482	8.51E-07	-0.07727	0.09537	0.23908	1.71E-07	0.146994
0.273653	1.82E-09	0.189124	3.90E-05	-0.27903	8.46E-10	0.329271	2.85E-13	0.342718
0.341421	3.26E-14	0.43021	1.84E-22	0.099848	0.03098	0.307627	1.08E-11	0.4109
0.147193	0.00142	0.022516	0.62744	0.340596	3.79E-14	0.009718	0.83409	-0.13747
0.3213	1.13E-12	0.2507	3.99E-08	-0.03846	0.40699	0.220669	1.47E-06	0.178113
0.073887	0.1108	0.173865	0.00016	-0.27925	8.20E-10	0.262799	8.14E-09	0.387338
0.08656	0.06161	0.157918	0.00061	-0.2806	6.74E-10	0.201834	1.11E-05	0.230465
0.3465	1.28E-14	0.176638	0.00012	-0.0477	0.30369	0.106398	0.02147	0.240349
-0.17542	0.00014	-0.12108	0.00882	-0.51854	1.69E-33	0.06227	0.17915	0.022812
0.01791	0.69948	0.024839	0.59236	-0.23508	2.77E-07	0.140368	0.00236	0.222348
0.312292	5.05E-12	0.165726	0.00032	-0.08802	0.05735	0.195634	2.07E-05	0.156391
0.202714	1.01E-05	0.055486	0.2314	-0.20263	1.02E-05	0.05943	0.19984	0.021593
0.288758	2.03E-10	0.117289	0.01119	-0.10206	0.02742	0.11184	0.01561	0.109951
0.17972	9.41E-05	0.289315	1.86E-10	-0.08382	0.07033	0.336899	7.39E-14	0.2969
0.073462	0.11287	0.085436	0.06508	-0.27887	8.66E-10	0.135888	0.00326	0.177582
0.19246	2.82E-05	-0.14939	0.0012	-0.30568	1.47E-11	0.058836	0.20439	-0.01617
0.114852	0.01301	0.086584	0.06154	-0.0824	0.07524	0.087765	0.05807	-0.01825
0.137954	0.00281	0.211133	4.18E-06	-0.20795	5.86E-06	0.173174	0.00017	0.199144
0.298664	4.46E-11	0.017968	0.69855	-0.27781	1.01E-09	0.265371	5.74E-09	0.213848
0.387954	3.19E-18	0.409635	2.53E-20	0.116381	0.01184	0.191079	3.23E-05	0.214716
0.438938	2.05E-23	0.342238	2.81E-14	0.027783	0.54924	0.248517	5.28E-08	0.260947
-0.02733	0.55582	-0.18509	5.73E-05	0.066963	0.14851	-0.12275	0.00792	-0.13634
0.115365	0.01261	-0.21585	2.51E-06	-0.42163	1.50E-21	0.033556	0.46943	-0.04859
-0.02934	0.5271	-0.12393	0.00734	-0.43184	1.23E-22	0.015002	0.74643	0.051878
0.252493	3.17E-08	0.148417	0.0013	0.024095	0.60349	0.037637	0.4171	-0.07591
0.20067	1.25E-05	0.095778	0.03855	-0.1742	0.00015	0.135841	0.00327	0.293154
0.436657	3.66E-23	0.47307	2.04E-27	0.171791	0.00019	0.318779	1.72E-12	0.430593
0.407996	3.70E-20	0.369125	1.60E-16	0.097889	0.03445	0.278704	8.87E-10	0.232739
-0.1226	0.00799	-0.02498	0.59024	-0.41491	7.40E-21	0.141255	0.00222	0.056831
0.323261	8.06E-13	0.296868	5.90E-11	-0.10873	0.01875	0.336789	7.54E-14	0.303971
0.3527	3.99E-15	0.222622	1.18E-06	-0.05949	0.19942	0.205903	7.26E-06	0.155814
0.630054	4.97E-53	0.495512	2.64E-30	0.18109	8.30E-05	0.494773	3.31E-30	0.470876
0.284191	3.99E-10	0.308231	9.79E-12	-0.0578	0.21249	0.277135	1.11E-09	0.354445
0.216911	2.23E-06	0.149957	0.00115	-0.11862	0.0103	0.204917	8.05E-06	0.118735

0.156755	0.00068	0.298963	4.26E-11	-0.07539	0.10369	0.243648	9.73E-08	0.25366
-0.17865	0.0001	-0.32353	7.70E-13	-0.06414	0.16639	-0.12767	0.00573	-0.17012
0.222804	1.16E-06	0.553992	6.40E-39	0.43435	6.55E-23	0.304288	1.84E-11	0.298503
-0.0802	0.0834	0.345768	1.46E-14	0.21209	3.77E-06	0.134563	0.00358	0.204332
0.000731	0.98743	0.401873	1.49E-19	0.33829	5.75E-14	0.125088	0.0068	0.14246
0.009025	0.84577	0.364334	4.17E-16	0.263884	7.03E-09	0.091466	0.04822	0.100319
-0.01845	0.69094	0.357254	1.67E-15	0.249647	4.57E-08	0.116319	0.01189	0.148833
0.32995	2.53E-13	0.103045	0.02596	0.225875	8.14E-07	0.10579	0.02223	0.114888
0.04363	0.34682	0.448729	1.62E-24	0.373881	6.10E-17	0.143839	0.00183	0.162442
0.022787	0.62331	0.343359	2.29E-14	0.246563	6.76E-08	0.073047	0.11493	0.165016
-0.24406	9.24E-08	-0.43831	2.41E-23	-0.40126	1.71E-19	-0.28109	6.28E-10	-0.18133
0.250533	4.08E-08	0.069119	0.13584	0.092661	0.04535	0.170008	0.00022	0.421239
0.049889	0.28197	0.401586	1.59E-19	0.300802	3.19E-11	0.086374	0.06218	0.145043
-0.02429	0.60058	0.18706	4.75E-05	0.202962	9.85E-06	-0.0397	0.39206	-0.05046
0.21618	2.42E-06	0.055868	0.22819	-0.10531	0.02285	0.256936	1.78E-08	0.381792
0.020736	0.6549	0.208159	5.73E-06	0.234355	3.02E-07	-0.02664	0.56575	-0.23564
0.067042	0.14803	0.339709	4.45E-14	0.338172	5.88E-14	0.072629	0.11703	0.164851
-0.02235	0.63005	0.09683	0.03646	0.044426	0.33808	0.016842	0.71659	0.017032
0.184866	5.85E-05	0.348174	9.36E-15	0.247657	5.88E-08	0.137563	0.00289	0.122514
-0.08986	0.05231	0.10282	0.02629	0.049494	0.2858	0.080364	0.08277	-0.02773
-0.04437	0.33866	0.052974	0.25324	0.00998	0.8297	-0.02452	0.59714	-0.13912
-0.12631	0.00627	0.082689	0.07423	0.031571	0.49613	0.01969	0.67127	-0.05756
0.335279	9.88E-14	0.26656	4.88E-09	0.362016	6.59E-16	0.173873	0.00016	0.092532
0.246148	7.12E-08	-0.00297	0.94903	-0.00062	0.98934	0.13137	0.00446	-0.00341
-0.12996	0.00491	-0.29129	1.38E-10	-0.26594	5.31E-09	-0.15337	0.00088	-0.168
-0.04172	0.36839	0.014844	0.74901	-0.01638	0.72407	-0.06223	0.17946	-0.32284
0.27709	1.12E-09	0.452014	6.78E-25	0.373658	6.39E-17	0.272362	2.18E-09	0.137066
-0.17338	0.00017	0.094207	0.04186	0.061683	0.1833	-0.21301	3.41E-06	-0.25955
0.223837	1.03E-06	0.380281	1.62E-17	0.360899	8.20E-16	0.054834	0.23693	0.1052
-0.08064	0.08171	0.112496	0.015	0.147025	0.00144	-0.01108	0.81132	-0.15357
0.117493	0.01105	0.432334	1.08E-22	0.359003	1.19E-15	0.169301	0.00024	0.082687
-0.05856	0.20653	0.174313	0.00015	0.174785	0.00015	0.038509	0.40639	0.068551
0.089883	0.05225	0.272073	2.27E-09	0.272826	2.05E-09	0.075205	0.10456	0.123779
0.073062	0.11485	0.284385	3.88E-10	0.286643	2.78E-10	4.98E-05	0.99914	-0.09086
-0.17558	0.00014	0.062056	0.18066	0.033616	0.46863	-0.08473	0.06732	-0.10446
0.069084	0.13604	0.273041	1.99E-09	0.29364	9.68E-11	-0.03379	0.46631	-0.15702
0.017257	0.70993	0.188891	3.99E-05	0.186477	5.02E-05	-0.07536	0.10386	-0.0598
0.332342	1.66E-13	0.243004	1.05E-07	0.427939	3.22E-22	0.069859	0.13169	-0.13477
0.102191	0.02723	0.091715	0.04761	0.155658	0.00074	-0.13203	0.00426	-0.16327
0.025893	0.57675	0.144121	0.00179	0.207621	6.07E-06	-0.07156	0.12254	-0.14929
0.063182	0.17286	0.183672	6.54E-05	0.117208	0.01125	0.1089	0.01857	0.005486
-0.06543	0.15802	0.256464	1.89E-08	0.15044	0.00111	0.051742	0.26447	0.041448
-0.1417	0.00214	0.185814	5.35E-05	0.081918	0.07698	-0.09205	0.04681	-0.06116
-0.07867	0.08947	-0.24601	7.24E-08	-0.1222	0.0082	-0.10951	0.01791	-0.04164
-0.0096	0.83612	0.191294	3.16E-05	0.128026	0.00559	-0.05096	0.2718	-0.11881

-0.05557	0.23068	0.083835	0.07029	0.063721	0.16921	0.067391	0.14592	0.197653
-0.20134	1.16E-05	-0.14594	0.00157	-0.09679	0.03653	-0.21853	1.86E-06	-0.28186
0.045604	0.32541	0.287681	2.38E-10	0.253343	2.84E-08	0.067725	0.14393	0.087292
0.152359	0.00096	0.250569	4.06E-08	0.243386	1.01E-07	-0.05982	0.19691	0.010744
0.066769	0.14969	0.284517	3.80E-10	0.255939	2.03E-08	0.279869	7.50E-10	0.189586
0.134752	0.00353	-0.07111	0.1249	-0.05332	0.25018	0.055026	0.23529	0.196864
0.108999	0.01846	-0.2053	7.74E-06	0.056365	0.22408	-0.19845	1.56E-05	-0.15495
0.15886	0.00057	-0.35021	6.38E-15	-0.21305	3.40E-06	-0.13062	0.0047	-0.24804
0.306342	1.33E-11	0.510961	2.02E-32	0.541529	6.11E-37	0.173953	0.00016	0.24803
0.162759	0.00041	-0.10905	0.01841	-0.17306	0.00017	-0.03016	0.51563	0.185327
0.16592	0.00032	0.490001	1.41E-29	0.536405	3.77E-36	0.158408	0.00059	0.147144
-0.02866	0.53675	0.266034	5.25E-09	0.191116	3.22E-05	0.011207	0.80913	0.021311
0.076728	0.0977	0.458606	1.15E-25	0.373055	7.23E-17	0.115471	0.01252	0.159501
0.28736	2.50E-10	0.111355	0.01606	0.110711	0.01669	0.318347	1.85E-12	0.460985
0.153604	0.00087	0.288738	2.03E-10	0.168741	0.00025	0.152694	0.00093	0.203083
0.001948	0.96651	0.312526	4.87E-12	0.231664	4.15E-07	0.027251	0.55692	0.073904
-0.01649	0.7222	0.229542	5.32E-07	0.16779	0.00027	0.137323	0.00294	0.225914
0.356553	1.91E-15	0.183084	6.90E-05	0.158346	0.00059	0.177715	0.00011	0.023146
-0.00893	0.84744	-0.48022	2.58E-28	-0.29761	5.26E-11	-0.16823	0.00026	-0.22199
0.22187	1.28E-06	0.240323	1.47E-07	0.212745	3.51E-06	0.06013	0.1946	-2.65E-05
0.044505	0.33722	0.240772	1.39E-07	0.137858	0.00283	0.129305	0.00513	0.147107
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0.210816	4.32E-06	0.436671	3.65E-23	0.41053	2.06E-20	0.122476	0.00806	0.141585
0.125885	0.00645	0.366671	2.62E-16	0.282752	4.93E-10	0.140107	0.00241	0.117161
0.168018	0.00027	0.421228	1.65E-21	0.366755	2.58E-16	0.194365	2.34E-05	0.213023
-0.00303	0.94786	0.277323	1.08E-09	0.272417	2.17E-09	-0.04946	0.28614	-0.12242
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0.144719	0.00172	0.208943	5.27E-06	0.268489	3.74E-09	-0.10168	0.028	-0.17842
0.001797	0.96911	0.224719	9.29E-07	0.137301	0.00295	0.082225	0.07587	0.118655
-0.02569	0.5798	-0.12907	0.00522	-0.20698	6.49E-06	-0.07555	0.10297	0.028048
0.031278	0.50014	0.292309	1.19E-10	0.239704	1.58E-07	0.055865	0.22822	0.130648
0.123894	0.00735	0.40409	9.03E-20	0.32257	9.07E-13	0.014499	0.75465	0.056812
-0.16359	0.00039	-0.28909	1.93E-10	-0.18676	4.89E-05	-0.22681	7.31E-07	-0.13281
0.119192	0.00994	0.444151	5.36E-24	0.296521	6.22E-11	0.245765	7.47E-08	0.300132
0.001369	0.97646	0.057983	0.21104	-0.00101	0.98262	0.032325	0.4859	-0.06547
-0.04799	0.30074	0.210643	4.40E-06	0.132899	0.00401	0.081756	0.07757	0.030262
0.034914	0.45163	0.317198	2.24E-12	0.22671	7.39E-07	0.100038	0.03066	0.057003
0.176175	0.00013	-0.32215	9.75E-13	-0.30814	9.93E-12	0.145814	0.00158	0.003339
0.139519	0.00251	0.379091	2.08E-17	0.212946	3.44E-06	0.160499	0.0005	0.101542
0.089473	0.05333	0.322735	8.82E-13	0.322719	8.84E-13	0.090936	0.04954	0.102725
0.014104	0.76114	0.119701	0.00962	0.106049	0.0219	-0.04974	0.28344	-0.27762
0.117654	0.01094	-0.40738	4.26E-20	-0.18251	7.28E-05	-0.04754	0.30528	-0.23156
0.202251	1.06E-05	-0.21266	3.54E-06	-0.14163	0.00216	0.149274	0.00122	0.017641
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0.134852	0.0035	0.382425	1.03E-17	0.287733	2.36E-10	0.124308	0.00715	0.098173



-0.17483	0.00015	0.022748	0.6239	-0.02448	0.59767	-0.07553	0.10308	-0.13753
0.100032	0.03067	0.342618	2.62E-14	0.252325	3.24E-08	0.151048	0.00106	0.284402
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0.020956	0.65149	0.386528	4.33E-18	0.271676	2.40E-09	0.083843	0.07027	0.122833
0.075471	0.10334	0.163952	0.00037	0.214761	2.82E-06	-0.19379	2.48E-05	-0.24037
0.157102	0.00066	0.378759	2.23E-17	0.327852	3.65E-13	0.098379	0.03355	0.130695
0.048487	0.29573	0.364041	4.42E-16	0.279568	7.83E-10	0.063758	0.16896	0.020084
0.208215	5.70E-06	0.376776	3.36E-17	0.394967	6.94E-19	0.369667	1.44E-16	0.086588
0.235761	2.55E-07	0.295484	7.30E-11	0.437416	3.02E-23	0.007283	0.87528	-0.09833
0.117163	0.01128	-0.16397	0.00037	-0.14758	0.00138	0.046174	0.3194	-0.0318
0.000433	0.99256	0.192265	2.88E-05	0.06182	0.18232	0.071772	0.12142	-0.18439
0.257873	1.57E-08	0.426967	4.09E-22	0.358181	1.39E-15	0.272787	2.06E-09	0.149041
0.163275	0.0004	0.233052	3.52E-07	0.244804	8.42E-08	0.063676	0.16951	-0.04059
0.217747	2.03E-06	-0.07054	0.12798	-0.05957	0.19883	0.089519	0.05321	0.113149
0.281842	5.63E-10	0.401215	1.73E-19	0.395021	6.86E-19	0.12667	0.00612	-0.09269
0.294858	8.04E-11	0.357427	1.61E-15	0.310584	6.68E-12	0.248473	5.31E-08	0.154664
0.172098	0.00019	0.399155	2.74E-19	0.284342	3.90E-10	0.048077	0.29984	-0.01497
0.185989	5.26E-05	0.411801	1.53E-20	0.35996	9.85E-16	0.110233	0.01717	-0.04369
-0.04397	0.34311	0.025453	0.58324	0.150119	0.00114	-0.14487	0.0017	-0.15637
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0.039632	0.39283	0.411504	1.64E-20	0.391955	1.34E-18	0.114921	0.01295	0.130103
-0.10835	0.01918	-0.22924	5.51E-07	-0.20642	6.88E-06	0.072058	0.11994	-0.01068
0.018587	0.6887	-0.2265	7.57E-07	-0.111	0.01641	0.025048	0.58925	-0.13164
0.285368	3.36E-10	0.212556	3.58E-06	0.31366	4.04E-12	0.07648	0.09879	-0.22213
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-0.00473	0.91883	0.236571	2.31E-07	0.161069	0.00048	0.03757	0.41793	0.036829
-0.02834	0.5412	0.298361	4.68E-11	0.174149	0.00016	0.055674	0.22982	0.034053
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0.128182	0.00554	-0.26382	7.09E-09	-0.23041	4.81E-07	-0.08981	0.05245	-0.14605
0.456331	2.13E-25	0.492729	6.19E-30	0.431878	1.21E-22	0.367959	2.03E-16	0.312952
-0.08422	0.06902	0.134334	0.00363	0.070518	0.12808	-0.11337	0.01424	-0.14132
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0.060157	0.1944	-0.35199	4.57E-15	-0.09024	0.05132	0.005139	0.91181	-0.12558
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0.027738	0.54989	-0.31453	3.49E-12	-0.17451	0.00015	-0.07273	0.11651	-0.07665
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0.168611	0.00025	0.292776	1.10E-10	0.181948	7.67E-05	0.030005	0.51774	-0.08332
0.29518	7.65E-11	0.402535	1.28E-19	0.441653	1.02E-23	0.080823	0.08102	-0.03941
0.054736	0.23777	0.48212	1.48E-28	0.426662	4.41E-22	0.160386	0.0005	0.234632
0.113636	0.01401	0.354672	2.74E-15	0.317778	2.04E-12	0.100588	0.02975	0.061677
0.059358	0.2004	0.406634	5.06E-20	0.349015	8.00E-15	0.057994	0.21095	0.115712
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0.124371	0.00713	-0.26718	4.48E-09	-0.10392	0.02472	-0.02153	0.64252	-0.08159
-0.04159	0.36981	0.195084	2.18E-05	0.25255	3.15E-08	-0.04789	0.30175	-0.10056
0.255743	2.08E-08	0.484191	8.04E-29	0.302185	2.57E-11	0.31838	1.84E-12	0.342644

0.03751	0.41868	-0.17062	0.00021	-0.0903	0.05115	0.050414	0.27694	-0.0801
0.09135	0.0485	0.030493	0.51096	-0.04484	0.33361	-0.01432	0.75754	-0.20383
0.218266	1.92E-06	0.400671	1.95E-19	0.391385	1.52E-18	0.066826	0.14934	-0.05405
0.292879	1.09E-10	0.456835	1.86E-25	0.264091	6.83E-09	0.357266	1.66E-15	0.286344
0.110189	0.01721	0.317146	2.26E-12	0.223487	1.07E-06	0.046844	0.31243	-0.00166
0.012528	0.78715	-0.24139	1.29E-07	-0.16177	0.00045	-0.04228	0.36195	0.088099
-0.10998	0.01743	0.027902	0.54753	0.023537	0.61191	0.010198	0.82603	-0.10336
0.060264	0.1936	0.331289	2.00E-13	0.202056	1.08E-05	0.076976	0.09662	0.03844
0.221961	1.27E-06	0.437829	2.72E-23	0.283994	4.11E-10	0.300728	3.23E-11	0.275784
0.0133	0.77437	-0.18883	4.01E-05	-0.08544	0.06507	-0.07967	0.08549	-0.01047
-0.00855	0.8538	0.050723	0.27399	0.062971	0.1743	-0.00169	0.97088	-0.20397
0.144742	0.00171	0.370406	1.24E-16	0.322632	8.97E-13	0.02797	0.54655	-0.04444
-0.05931	0.20077	0.159855	0.00053	0.188216	4.26E-05	-0.06674	0.14989	-0.10423
0.081304	0.07923	0.152618	0.00094	0.138416	0.00272	-0.02928	0.52789	0.114258
0.025737	0.57904	0.260243	1.15E-08	0.20023	1.30E-05	-0.08876	0.05527	-0.03971
-0.2794	8.03E-10	-0.29956	3.88E-11	-0.30545	1.53E-11	-0.21445	2.92E-06	0.010533
0.044051	0.34219	0.180557	8.72E-05	0.176955	0.00012	0.020261	0.66232	-0.02515
0.06938	0.13437	0.374913	4.94E-17	0.307942	1.03E-11	0.078192	0.09145	0.011274
0.24631	6.97E-08	0.318197	1.90E-12	0.346889	1.19E-14	0.058	0.2109	-0.01315
-0.15106	0.00106	0.070503	0.12816	0.05296	0.25336	-0.01992	0.66766	-0.12175
-0.00998	0.82964	0.209103	5.19E-06	0.087492	0.05885	0.002715	0.95335	0.079709
0.064069	0.16689	0.318492	1.81E-12	0.342218	2.82E-14	-0.0058	0.90053	-0.02313
0.195714	2.05E-05	0.496806	1.77E-30	0.212209	3.72E-06	0.335971	8.73E-14	0.508073
0.234149	3.09E-07	0.335564	9.39E-14	0.284111	4.04E-10	0.154746	0.00079	0.079772
0.263331	7.57E-09	0.438831	2.11E-23	0.314924	3.28E-12	0.141602	0.00216	-0.00343
-0.26021	1.15E-08	0.031403	0.49843	-0.02851	0.53887	0.008118	0.86111	-0.08512
0.039771	0.39117	0.453516	4.54E-25	0.108164	0.01939	0.203764	9.07E-06	0.357708
0.025705	0.57952	0.170281	0.00022	0.168729	0.00025	-0.14374	0.00184	-0.0201
-0.06689	0.14898	0.190497	3.42E-05	0.150088	0.00114	-0.03543	0.445	-0.07247
-0.15768	0.00063	-0.07628	0.09966	-0.18379	6.46E-05	-0.07423	0.10913	-0.1665
0.197694	1.68E-05	0.305352	1.55E-11	0.311643	5.62E-12	0.06826	0.14078	-0.11418
0.176362	0.00013	0.19934	1.43E-05	0.115506	0.0125	0.205787	7.35E-06	0.067655
-0.0862	0.06271	-0.3669	2.51E-16	-0.27391	1.76E-09	-0.12295	0.00782	-0.15118
-0.21708	2.19E-06	-0.33516	1.01E-13	-0.31903	1.65E-12	-0.15105	0.00106	-0.2017
-0.01812	0.69613	0.28771	2.37E-10	0.093698	0.04298	0.124233	0.00719	0.200491
-0.08659	0.06152	-0.2099	4.77E-06	-0.22287	1.15E-06	-0.1366	0.0031	-0.05941
-0.24238	1.14E-07	0.007592	0.87003	-0.0232	0.61702	-0.14305	0.00194	-0.17735
-0.17493	0.00015	0.100518	0.02986	0.014421	0.75594	-0.03188	0.49191	-0.14034
-0.22437	9.67E-07	-0.06548	0.15773	-0.02953	0.52446	-0.18628	5.12E-05	-0.27605
0.026299	0.57078	0.434051	7.06E-23	0.30129	2.96E-11	0.097467	0.03523	0.176593
-0.14006	0.00242	-0.08813	0.05702	-0.08116	0.07974	-0.15882	0.00057	-0.24947
-0.04437	0.33872	0.155439	0.00075	0.097692	0.03481	-0.06487	0.16161	0.00086
-0.12828	0.0055	-0.00132	0.97737	-0.05616	0.22575	-0.05226	0.25968	-0.14039
0.268295	3.85E-09	0.172501	0.00018	0.045874	0.32256	0.093207	0.04409	0.202164
0.078829	0.08883	0.181379	8.08E-05	0.107912	0.01967	0.055083	0.2348	-0.04051

0.07072	0.12699	0.221673	1.31E-06	0.076079	0.10058	-0.04509	0.33095	0.01837
0.012584	0.78621	0.151056	0.00106	0.061412	0.18523	0.048876	0.29188	-0.12594
0.00613	0.89489	0.308465	9.43E-12	0.23748	2.07E-07	0.05725	0.21687	0.014081
0.038583	0.40549	0.354585	2.78E-15	0.160387	0.0005	0.246887	6.49E-08	0.352943
-0.04151	0.37075	0.250895	3.90E-08	0.16566	0.00032	0.048898	0.29166	-0.0114
0.135055	0.00345	0.308456	9.44E-12	0.143196	0.00192	0.016419	0.72343	-0.03435
-0.08593	0.06355	0.244453	8.80E-08	0.142707	0.00199	-0.00705	0.87922	-0.03126
0.118469	0.0104	0.351657	4.86E-15	0.249174	4.85E-08	0.063659	0.16963	-0.02791
-0.01984	0.66896	0.278498	9.13E-10	0.156691	0.00068	0.025971	0.57559	-0.01279
-0.09219	0.04647	0.022508	0.62757	-0.10363	0.02513	0.06182	0.18233	-0.16962
-0.01152	0.80388	0.294907	7.98E-11	0.191117	3.22E-05	0.020216	0.66303	-0.01251
0.141108	0.00224	0.37479	5.07E-17	0.24831	5.42E-08	0.233096	3.50E-07	0.25412
-0.20613	7.09E-06	0.052381	0.2586	-0.00511	0.91233	-0.1158	0.01227	-0.15824
0.011553	0.80336	0.308932	8.74E-12	0.272239	2.22E-09	0.088991	0.05464	0.061926
-0.01975	0.67025	0.170918	0.00021	0.123945	0.00733	0.035257	0.44719	-0.06807
-0.10023	0.03034	0.168024	0.00027	0.169577	0.00023	-0.0311	0.50261	-0.03408
0.129289	0.00514	0.404349	8.52E-20	0.310118	7.21E-12	0.125779	0.0065	0.073842
-0.026	0.57521	0.413285	1.08E-20	0.336562	7.85E-14	0.073537	0.11251	0.034108
-0.10692	0.02084	0.091069	0.0492	0.071464	0.12303	-0.08956	0.05311	-0.10699
0.317957	1.98E-12	0.435489	4.91E-23	0.378151	2.53E-17	0.155939	0.00072	0.20023
0.205062	7.93E-06	0.516961	2.85E-33	0.357777	1.51E-15	0.280831	6.52E-10	0.273371
0.023212	0.61684	0.109377	0.01806	0.140527	0.00234	0.021921	0.63657	-0.14934
-0.04763	0.30435	-0.44677	2.71E-24	-0.37739	2.96E-17	-0.1689	0.00025	-0.23647
-0.03828	0.40921	0.257464	1.66E-08	0.175447	0.00014	0.049229	0.2884	-0.01524
0.357903	1.47E-15	0.385165	5.79E-18	0.355119	2.51E-15	0.187428	4.59E-05	0.089516
0.104768	0.02356	0.151258	0.00104	-0.02148	0.64344	0.090478	0.0507	0.278966
0.258172	1.51E-08	0.228414	6.07E-07	0.234188	3.08E-07	0.072661	0.11686	-0.13518
-0.10067	0.02962	-0.31591	2.78E-12	-0.08679	0.06091	-0.16884	0.00025	-0.20064
0.210634	4.41E-06	0.06225	0.17929	0.15779	0.00062	-0.07975	0.08514	-0.16962
0.234453	2.98E-07	0.047482	0.30587	-0.07507	0.10521	0.291026	1.44E-10	0.349575
0.009395	0.83954	0.275662	1.37E-09	0.178784	0.0001	0.078526	0.09007	0.043666
0.045182	0.32992	0.357607	1.56E-15	0.241264	1.31E-07	0.088226	0.05676	0.137504
-0.02331	0.61537	0.32914	2.92E-13	0.225009	8.99E-07	0.029744	0.5214	0.150007
-0.04663	0.31464	0.109171	0.01828	0.01422	0.75924	0.029505	0.52476	-0.01535
-0.04651	0.31594	0.246353	6.94E-08	0.091782	0.04745	0.030136	0.51592	0.076117
0.057753	0.21286	0.141222	0.00222	0.17422	0.00015	-0.04132	0.37295	-0.21518
-0.06552	0.15749	0.237783	2.00E-07	0.1443	0.00177	-0.02362	0.61068	0.034581
0.098498	0.03333	-0.1677	0.00027	-0.28317	4.64E-10	0.034971	0.45088	-0.00692
-0.0207	0.6555	0.238862	1.75E-07	0.121565	0.00854	0.053052	0.25255	0.026017
0.054667	0.23837	-0.18384	6.44E-05	-0.06881	0.1376	0.047462	0.30607	-0.03585
-0.03375	0.4669	0.209511	4.97E-06	0.14146	0.00218	0.014058	0.7619	-0.12075
0.053311	0.25023	0.339804	4.37E-14	0.345621	1.51E-14	0.112073	0.01539	0.105039
0.097463	0.03524	0.33921	4.87E-14	0.191688	3.05E-05	0.202616	1.02E-05	0.396919
0.027291	0.55633	0.313811	3.94E-12	0.170927	0.00021	-0.02436	0.59953	0.062556
0.084261	0.06887	0.285036	3.52E-10	0.162488	0.00042	0.013574	0.76986	0.005176

-0.13208	0.00425	0.131343	0.00447	0.000399	0.99314	-0.054	0.24412	-0.05691
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0.001568	0.97304	0.363127	5.30E-16	0.358496	1.31E-15	0.048881	0.29183	0.004425
-0.17286	0.00017	-0.24473	8.51E-08	-0.17416	0.00016	-0.14769	0.00137	-0.01202
0.040175	0.38637	0.270998	2.64E-09	0.233756	3.24E-07	0.118171	0.01059	0.002322
0.11303	0.01453	0.276894	1.15E-09	0.249397	4.72E-08	0.133632	0.00382	0.090203
-0.02719	0.55781	0.105907	0.02208	0.152206	0.00097	-0.11674	0.01158	-0.23348
-0.07779	0.09314	0.245113	8.10E-08	0.097045	0.03604	0.028581	0.53783	0.019391
-0.10284	0.02626	0.22174	1.30E-06	0.130599	0.0047	0.000315	0.99458	0.017556
-0.24859	5.23E-08	0.027663	0.55097	-0.04771	0.30358	-0.05555	0.23085	-0.00522
-0.11768	0.01093	0.126902	0.00603	0.050145	0.27951	-0.0345	0.45705	-0.0532
0.04259	0.35845	0.315709	2.88E-12	0.260851	1.06E-08	0.069779	0.13213	0.138053
0.058655	0.20578	0.291948	1.25E-10	0.172926	0.00017	0.112778	0.01475	0.243922
-0.05967	0.19804	0.207963	5.85E-06	0.125369	0.00667	0.030256	0.51425	0.022462
0.186921	4.81E-05	0.608672	1.13E-48	0.495613	2.56E-30	0.239543	1.61E-07	0.309644
0.017596	0.70449	0.114831	0.01303	0.069714	0.1325	0.00567	0.90274	-0.14823
0.199942	1.34E-05	0.493974	4.23E-30	0.324685	6.32E-13	0.251431	3.64E-08	0.221377
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0.012744	0.78356	0.28756	2.42E-10	0.221799	1.29E-06	0.134817	0.00351	0.099287
-0.02753	0.55293	0.035131	0.44881	0.120859	0.00894	-0.05384	0.24557	-0.255
0.017745	0.70212	0.053029	0.25275	0.094197	0.04188	-0.0055	0.90565	-0.2351
0.01322	0.7757	0.257046	1.75E-08	0.120048	0.00941	0.021272	0.64658	0.037693
0.287921	2.30E-10	0.440962	1.22E-23	0.42524	6.23E-22	0.162546	0.00042	-0.04552
0.176241	0.00013	0.369737	1.42E-16	0.28075	6.60E-10	0.294334	8.71E-11	0.310079
0.307766	1.06E-11	0.561554	3.66E-40	0.377002	3.21E-17	0.245183	8.03E-08	0.285992
0.027008	0.56044	0.114058	0.01365	0.038807	0.40276	0.089499	0.05326	0.050389
0.199895	1.35E-05	0.474499	1.35E-27	0.241637	1.25E-07	0.268097	3.95E-09	0.183568
0.079055	0.08792	0.31272	4.71E-12	0.242365	1.14E-07	0.14618	0.00154	0.346875
-0.09889	0.03263	-0.04813	0.29927	-0.0821	0.07632	-0.03731	0.42113	-0.00481
0.004774	0.91805	-0.26138	9.85E-09	-0.11524	0.01271	-0.01043	0.8221	-0.05648
0.226882	7.25E-07	0.329445	2.77E-13	0.190926	3.28E-05	0.152478	0.00095	0.178851
-0.1802	9.01E-05	0.054062	0.24361	0.027976	0.54647	-0.18817	4.27E-05	-0.11888
0.056062	0.22658	0.281357	6.04E-10	0.160811	0.00049	0.098381	0.03355	0.004849
-0.06491	0.16139	0.158751	0.00057	0.095995	0.03811	0.01836	0.69231	-0.04072
0.221502	1.34E-06	0.371807	9.32E-17	0.323761	7.40E-13	0.131693	0.00436	0.119272
0.141704	0.00214	0.223622	1.05E-06	0.076497	0.09872	0.098172	0.03393	0.088773
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0.066532	0.15114	0.161648	0.00045	0.127482	0.0058	-0.00611	0.89517	-0.13922
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-0.02811	0.54451	0.164407	0.00036	0.107511	0.02013	0.007612	0.86968	-0.03643
0.050368	0.27737	-0.00852	0.85433	0.160607	0.00049	-0.06482	0.16198	-0.33566
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0.040734	0.3798	0.373925	6.05E-17	0.260018	1.18E-08	0.126218	0.00631	0.097393
0.189594	3.73E-05	0.327488	3.89E-13	0.350996	5.51E-15	0.067679	0.14421	0.003938
0.035189	0.44807	0.186855	4.84E-05	0.102885	0.0262	0.099305	0.03191	0.040783

-0.03078	0.50705	0.206786	6.62E-06	0.164499	0.00036	-0.00031	0.99469	-0.00456
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0.119622	0.00967	0.460536	6.79E-26	0.451518	7.74E-25	0.155891	0.00072	0.112682
-0.13685	0.00304	0.124957	0.00686	0.041203	0.37433	0.000192	0.99669	-0.06389
0.019982	0.66668	0.19516	2.17E-05	0.164725	0.00035	-0.05266	0.25605	-0.06629
0.046007	0.32116	0.088127	0.05704	-0.1214	0.00863	0.182519	7.28E-05	0.018431
-0.13262	0.00409	0.26783	4.10E-09	0.145596	0.00161	0.035837	0.43975	0.041355
0.180716	8.59E-05	0.378277	2.46E-17	0.286949	2.65E-10	0.198213	1.60E-05	0.272453
0.036459	0.43184	0.356641	1.88E-15	0.241809	1.22E-07	0.09237	0.04604	0.144487
0.153268	0.00089	0.253406	2.82E-08	0.255926	2.03E-08	0.106023	0.02193	-0.00831
0.179972	9.20E-05	0.371822	9.29E-17	0.336855	7.45E-14	0.248669	5.18E-08	0.31075
0.052004	0.26205	0.280694	6.65E-10	0.214614	2.87E-06	0.174516	0.00015	0.119087
-0.09471	0.04078	0.157236	0.00065	0.077815	0.09303	-0.00752	0.87131	-0.10887
0.069247	0.13512	0.319896	1.43E-12	0.222652	1.18E-06	0.085089	0.06618	0.028373
0.086678	0.06126	0.283112	4.68E-10	0.215535	2.59E-06	0.095516	0.03908	-0.02749
0.16049	0.0005	-0.14453	0.00174	0.000255	0.99561	0.004329	0.92566	0.164805
0.051512	0.26659	-0.13661	0.00309	-0.32936	2.81E-13	0.129248	0.00515	0.2365
-0.24408	9.21E-08	0.003984	0.93157	-0.07969	0.0854	-0.1348	0.00352	-0.21095
0.005128	0.912	-0.26357	7.33E-09	-0.23232	3.84E-07	-0.01525	0.74232	0.09424
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-0.28845	2.12E-10	-0.10258	0.02664	-0.17667	0.00012	-0.24709	6.32E-08	-0.35705
-0.05646	0.22331	-0.37594	4.00E-17	-0.47402	1.55E-27	-0.03336	0.472	0.042728
-0.49591	2.34E-30	-0.11535	0.01262	-0.18458	6.00E-05	-0.20355	9.28E-06	-0.26568
0.029777	0.52094	0.29014	1.65E-10	0.229733	5.21E-07	0.087413	0.05909	0.140239
0.189418	3.79E-05	0.349868	6.81E-15	0.247931	5.68E-08	0.130139	0.00485	0.055461
-0.03494	0.45128	0.246622	6.71E-08	0.154848	0.00079	-0.00291	0.95007	-0.08465
0.081177	0.0797	0.471637	3.07E-27	0.383529	8.19E-18	0.178203	0.00011	0.227399
0.03242	0.48461	0.349903	6.77E-15	0.210586	4.43E-06	0.142393	0.00204	0.203738
-0.14266	0.002	-0.075	0.10552	-0.05179	0.26406	-0.1873	4.65E-05	-0.24768
-0.02648	0.56806	0.082957	0.07329	0.157748	0.00062	0.001032	0.98225	-0.05099
0.202896	9.92E-06	0.666817	2.27E-61	0.48698	3.51E-29	0.166199	0.00031	0.337298
0.003313	0.94307	0.31459	3.46E-12	0.19746	1.72E-05	0.042583	0.35853	0.010583
0.307186	1.16E-11	0.527315	8.81E-35	0.521576	6.14E-34	0.16065	0.00049	0.242659
0.030051	0.5171	0.317385	2.18E-12	0.254064	2.59E-08	0.111347	0.01607	0.093924
0.022309	0.6306	0.142498	0.00202	0.123079	0.00775	-0.0514	0.26761	-0.22193
0.112803	0.01473	0.272479	2.15E-09	0.105015	0.02323	0.143461	0.00188	0.164163
-0.11126	0.01615	0.175372	0.00014	0.130508	0.00473	-0.03653	0.43096	-0.12414
0.037613	0.4174	0.332003	1.77E-13	0.279822	7.55E-10	0.248621	5.21E-08	0.218388
-0.00332	0.94288	0.197767	1.67E-05	0.188169	4.28E-05	0.134642	0.00356	0.201766
-0.04266	0.35766	0.181908	7.70E-05	0.062796	0.1755	0.078973	0.08825	0.07825
-0.22245	1.20E-06	-0.46366	2.87E-26	-0.39983	2.36E-19	-0.1184	0.01044	-0.09866
0.034335	0.45917	0.352917	3.83E-15	0.332386	1.65E-13	0.081219	0.07954	0.10972
-0.02172	0.63966	0.177259	0.00012	0.102514	0.02674	0.029514	0.52463	0.004793
-0.04763	0.30442	0.004737	0.91868	-0.01568	0.73532	-0.0827	0.07419	-0.01296

0.126078	0.00637	0.329939	2.54E-13	0.344788	1.76E-14	0.151383	0.00103	0.182719
-0.04002	0.38815	0.11171	0.01573	0.144319	0.00177	0.053936	0.24471	-0.09399
0.049567	0.2851	0.359646	1.05E-15	0.269778	3.13E-09	0.068851	0.13737	0.027868
-0.08337	0.07186	0.021429	0.64415	-0.04157	0.37012	-0.11272	0.01481	-0.27183
-0.11599	0.01213	0.097425	0.03531	0.060452	0.19221	-0.07332	0.11359	-0.10982
0.01776	0.70186	0.274438	1.63E-09	0.159152	0.00056	0.098284	0.03372	0.136179
0.291172	1.41E-10	0.522045	5.24E-34	0.318131	1.92E-12	0.25426	2.52E-08	0.486962
0.174201	0.00015	0.321915	1.01E-12	0.340683	3.73E-14	0.140153	0.0024	0.092932
-0.03637	0.43302	0.278331	9.36E-10	0.186741	4.90E-05	0.019212	0.6788	0.036974
0.097322	0.03551	0.279663	7.72E-10	0.207305	6.27E-06	0.095178	0.03978	0.028938
0.18427	6.18E-05	0.507293	6.58E-32	0.377072	3.16E-17	0.125692	0.00653	0.17481
0.067216	0.14698	0.348969	8.06E-15	0.299564	3.88E-11	0.018012	0.69785	0.107647
0.240194	1.49E-07	0.502863	2.68E-31	0.346728	1.23E-14	0.322936	8.52E-13	0.295017
0.076259	0.09977	0.293257	1.03E-10	0.218076	1.96E-06	0.167604	0.00027	0.10691
-0.07658	0.09835	0.089132	0.05425	0.07564	0.10256	-0.16965	0.00023	-0.11139
0.030127	0.51605	0.132718	0.00406	0.108894	0.01858	-0.01786	0.70034	-0.18674
0.325457	5.53E-13	0.380007	1.72E-17	0.388343	2.93E-18	0.238565	1.82E-07	0.104229
0.076395	0.09917	0.435399	5.03E-23	0.342778	2.54E-14	0.179247	9.83E-05	0.330401
0.078197	0.09143	0.307467	1.11E-11	0.212055	3.78E-06	0.238407	1.85E-07	0.16463
-0.03042	0.51197	0.238074	1.93E-07	0.102589	0.02663	0.062905	0.17475	-0.05241
0.024029	0.60449	-0.26611	5.19E-09	-0.15853	0.00059	0.003494	0.93998	-0.17052
0.083641	0.07095	-0.20694	6.51E-06	-0.28283	4.87E-10	0.138778	0.00265	0.104814
0.069138	0.13573	-0.24644	6.86E-08	-0.19456	2.30E-05	0.04412	0.34143	0.020353
0.276012	1.30E-09	0.263837	7.07E-09	0.19018	3.52E-05	0.055457	0.23164	0.077749
0.05054	0.27573	0.216438	2.35E-06	0.187634	4.50E-05	-0.00831	0.85779	-0.0291
0.197709	1.68E-05	0.317687	2.07E-12	0.417368	4.14E-21	0.120579	0.0091	-0.06638
0.249246	4.81E-08	0.33125	2.02E-13	0.322716	8.84E-13	0.327803	3.69E-13	0.050904
0.191706	3.04E-05	0.368079	1.98E-16	0.314313	3.62E-12	0.109175	0.01827	-0.01429
0.025143	0.58783	0.335898	8.84E-14	0.211832	3.87E-06	0.104565	0.02383	0.15709
0.237538	2.06E-07	0.289823	1.73E-10	0.139552	0.00251	0.132023	0.00426	0.114993
0.175558	0.00014	0.471501	3.19E-27	0.415268	6.80E-21	0.180461	8.80E-05	0.118718
0.148868	0.00125	-0.41191	1.49E-20	-0.31393	3.86E-12	-0.04655	0.31545	-0.22018
-0.19862	1.53E-05	0.059868	0.19655	-0.0361	0.43636	-0.13799	0.0028	-0.07558
-0.03094	0.50479	0.186903	4.82E-05	0.168352	0.00026	0.01514	0.74418	-0.09337
-0.03271	0.48067	-0.06917	0.13557	-0.04648	0.31617	-0.14716	0.00143	0.185668
-0.1319	0.0043	0.06477	0.16229	0.001998	0.96566	-0.05733	0.21619	-0.14245
0.332586	1.59E-13	0.454022	3.97E-25	0.339013	5.05E-14	0.249891	4.43E-08	0.307626
0.148024	0.00134	0.338795	5.25E-14	0.310277	7.03E-12	0.111576	0.01585	-0.02158
0.013756	0.76686	0.307039	1.19E-11	0.213786	3.14E-06	0.081989	0.07672	0.046702
-0.14361	0.00186	0.06995	0.13119	0.076357	0.09934	0.001661	0.97144	-0.08189
0.308073	1.00E-11	0.424283	7.87E-22	0.457044	1.76E-25	0.212387	3.65E-06	0.063706
-0.1034	0.02545	0.115007	0.01289	0.055734	0.22932	0.014262	0.75854	-0.12288
0.273952	1.75E-09	0.605837	4.02E-48	0.488687	2.10E-29	0.258476	1.45E-08	0.295996
0.122555	0.00802	0.482262	1.42E-28	0.395821	5.75E-19	0.324025	7.07E-13	0.338311
0.097858	0.0345	0.195103	2.18E-05	0.16046	0.0005	0.154585	0.0008	-0.03481

0.102814	0.0263	0.180359	8.88E-05	0.171303	0.0002	0.112377	0.01511	0.045648
0.196776	1.84E-05	0.542786	3.89E-37	0.467486	9.89E-27	0.260451	1.12E-08	0.265415
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0.116786	0.01155	0.165233	0.00034	0.145778	0.00158	0.045099	0.33081	-0.10468
0.26667	4.81E-09	0.417543	3.97E-21	0.273442	1.88E-09	0.211689	3.94E-06	0.013809
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0.089532	0.05318	0.376001	3.95E-17	0.32742	3.94E-13	0.167069	0.00029	0.167037
0.282449	5.15E-10	-0.25247	3.18E-08	-0.07267	0.11683	-0.02198	0.63559	-0.01632
-0.08405	0.06959	0.185378	5.57E-05	0.13628	0.00317	0.005504	0.90557	-0.0221
-0.08477	0.0672	0.201952	1.09E-05	0.119858	0.00953	0.010362	0.82328	-0.02148
0.172413	0.00018	0.421661	1.48E-21	0.37612	3.85E-17	0.148679	0.00127	0.23985
0.19959	1.39E-05	0.321185	1.15E-12	0.332663	1.57E-13	0.31614	2.68E-12	0.04059
-0.00446	0.92335	0.158884	0.00057	0.132632	0.00409	0.057496	0.21491	0.022595
0.012946	0.78022	0.05219	0.26035	0.073994	0.11028	0.057576	0.21427	-0.15667
0.110803	0.0166	0.344213	1.95E-14	0.338225	5.82E-14	0.036561	0.43055	-0.02345
-0.00366	0.93717	0.094903	0.04036	0.152227	0.00097	-0.14984	0.00116	-0.18867
0.137586	0.00289	0.30811	9.98E-12	0.289223	1.89E-10	0.082114	0.07627	-0.03113
0.497951	1.24E-30	0.227656	6.63E-07	0.337478	6.66E-14	0.264834	6.18E-09	0.317825
0.156508	0.00069	0.408127	3.59E-20	0.134585	0.00357	0.264247	6.69E-09	0.35992
0.167602	0.00027	0.283064	4.71E-10	0.292126	1.22E-10	-0.04952	0.28553	-0.11687
-0.22654	7.54E-07	-0.37878	2.22E-17	-0.21748	2.09E-06	-0.06835	0.14024	-0.07926
0.004876	0.91631	0.268821	3.58E-09	0.21396	3.08E-06	0.083171	0.07255	0.179473
0.27352	1.86E-09	0.344959	1.70E-14	0.334048	1.23E-13	0.207452	6.17E-06	0.267167
0.153243	0.00089	0.394449	7.78E-19	0.303327	2.15E-11	0.079749	0.08516	-0.02866
-0.03993	0.38926	0.315889	2.79E-12	0.225091	8.90E-07	0.193768	2.49E-05	0.12477
0.058171	0.20956	0.182554	7.25E-05	0.148832	0.00126	0.073207	0.11413	-0.01314
0.06879	0.13772	0.208689	5.42E-06	0.19636	1.92E-05	0.025455	0.5832	-0.0605
-0.14173	0.00214	0.05681	0.22044	0.051669	0.26514	-0.15869	0.00058	-0.28718
0.023358	0.61462	0.459451	9.13E-26	0.332503	1.62E-13	0.17552	0.00014	0.209283
0.262446	8.54E-09	0.433152	8.84E-23	0.372943	7.39E-17	0.347327	1.10E-14	0.270021
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0.025468	0.58302	0.404015	9.19E-20	0.256726	1.83E-08	0.130465	0.00474	0.215328
0.089496	0.05327	0.437194	3.19E-23	0.325745	5.26E-13	0.178298	0.00011	0.187263
-0.02292	0.62131	0.353115	3.68E-15	0.22545	8.55E-07	0.111462	0.01596	0.14186
-0.21862	1.85E-06	0.024634	0.59543	-0.07982	0.08488	-0.13221	0.00421	-0.01862
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-0.01365	0.76863	0.127089	0.00596	0.130935	0.00459	-0.01075	0.81673	-0.06654
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0.023083	0.6188	-0.13753	0.0029	-0.27329	1.92E-09	0.095318	0.03949	0.016652
0.068113	0.14164	0.179348	9.74E-05	0.180037	9.15E-05	-0.04108	0.37572	-0.18917
0.201987	1.09E-05	0.309052	8.57E-12	0.283236	4.59E-10	0.184394	6.11E-05	0.176893
0.143676	0.00185	0.288759	2.03E-10	0.29034	1.60E-10	0.125043	0.00682	0.066381
0.043781	0.34515	0.006478	0.88897	0.11353	0.0141	-0.04946	0.28614	-0.16091
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0.188337	4.21E-05	0.387822	3.28E-18	0.275293	1.44E-09	0.09994	0.03082	0.078395
0.336705	7.65E-14	0.572517	5.07E-42	0.451605	7.56E-25	0.272461	2.15E-09	0.351382
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0.103303	0.02559	0.168416	0.00026	0.146982	0.00145	0.081567	0.07826	-0.07947
0.234265	3.05E-07	0.357777	1.51E-15	0.376713	3.41E-17	0.07048	0.12828	0.059478
-0.41842	3.22E-21	-0.27852	9.10E-10	-0.28139	6.01E-10	-0.23884	1.76E-07	-0.37109
0.205852	7.30E-06	-0.30875	9.00E-12	-0.21331	3.30E-06	-0.01141	0.80568	-0.07952
0.167045	0.00029	0.292092	1.23E-10	0.230987	4.50E-07	0.109111	0.01834	-0.0523
0.105771	0.02225	0.439327	1.86E-23	0.307996	1.02E-11	0.143072	0.00194	0.183591
0.088619	0.05566	0.390135	1.99E-18	0.310782	6.47E-12	0.169365	0.00024	0.156012
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0.055526	0.23106	0.357877	1.48E-15	0.300515	3.34E-11	0.05701	0.21881	0.143244
0.103674	0.02506	0.325908	5.12E-13	0.197542	1.71E-05	0.188892	3.99E-05	0.249742
0.118234	0.01055	0.293303	1.02E-10	0.267064	4.56E-09	0.197768	1.67E-05	0.194817
0.007643	0.86916	0.200176	1.31E-05	0.111773	0.01567	0.070782	0.12665	0.00698
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0.338562	5.48E-14	0.535569	5.05E-36	0.432305	1.09E-22	0.219674	1.64E-06	0.142188
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0.038092	0.41149	-0.29972	3.78E-11	-0.27011	2.99E-09	-0.05167	0.2651	-0.01714
0.183347	6.74E-05	0.309708	7.71E-12	0.262942	7.98E-09	0.039589	0.39334	-0.08998
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0.086605	0.06148	0.370729	1.16E-16	0.262765	8.18E-09	0.115092	0.01282	0.12728
0.100346	0.03015	-0.09873	0.03293	-0.00026	0.9956	-0.04261	0.35821	0.118127
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0.101676	0.02802	0.299064	4.19E-11	0.278348	9.33E-10	0.098563	0.03322	0.201619
0.209758	4.84E-06	0.528386	6.10E-35	0.409868	2.40E-20	0.22718	7.00E-07	0.237517
0.057382	0.21581	0.007893	0.86492	-0.0117	0.80099	-0.02877	0.5352	0.169666
0.136851	0.00304	0.146228	0.00153	0.154777	0.00079	0.127267	0.00589	-0.06959
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0.170819	0.00021	0.241111	1.33E-07	0.261331	9.91E-09	-0.02674	0.56433	-0.23349
0.043928	0.34354	0.284936	3.58E-10	0.282229	5.32E-10	0.193153	2.64E-05	0.274345
0.25086	3.91E-08	0.309588	7.86E-12	0.166983	0.00029	0.085415	0.06515	0.079398
0.072264	0.11888	0.282718	4.95E-10	0.261318	9.93E-09	0.189949	3.60E-05	0.255161
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0.14849	0.00129	0.406459	5.26E-20	0.296295	6.44E-11	0.276764	1.17E-09	0.339741
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0.032389	0.48502	0.288561	2.09E-10	0.238401	1.85E-07	0.132096	0.00424	0.036459
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-0.00403	0.93079	0.212893	3.46E-06	0.149974	0.00115	0.11653	0.01173	0.059232
0.098228	0.03382	0.452563	5.86E-25	0.285667	3.21E-10	0.255356	2.19E-08	0.455512
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0.054545	0.23941	0.198905	1.49E-05	0.176389	0.00013	0.177675	0.00011	0.062406



0.256698	1.83E-08	0.22504	8.96E-07	0.29286	1.09E-10	0.03648	0.43158	-0.10949
-0.17872	0.0001	0.254623	2.41E-08	-0.02544	0.5834	0.020766	0.65444	0.045616
0.070648	0.12738	0.334863	1.06E-13	0.253392	2.82E-08	0.122077	0.00827	0.085839
-0.00739	0.87342	0.005188	0.91096	0.06712	0.14756	-0.07382	0.11111	-0.20628
0.102402	0.02691	0.383927	7.53E-18	0.295981	6.76E-11	0.136623	0.00309	0.110991
0.058259	0.20887	0.117054	0.01136	0.155063	0.00077	0.110373	0.01703	0.02608
0.013362	0.77334	0.35388	3.18E-15	0.251255	3.72E-08	0.118308	0.0105	0.167895
-0.01495	0.74733	0.293642	9.68E-11	0.265509	5.64E-09	-0.0307	0.50808	-0.07016
0.191342	3.15E-05	0.41773	3.80E-21	0.296486	6.26E-11	0.133956	0.00373	0.109415
-0.17904	0.0001	-0.34001	4.21E-14	-0.34667	1.24E-14	-0.25576	2.07E-08	-0.32004
-0.02403	0.60447	0.172007	0.00019	0.110605	0.0168	0.104541	0.02387	0.056731
0.140111	0.00241	-0.08318	0.07254	-0.00682	0.88315	0.08307	0.0729	0.047204
-0.04249	0.35955	0.160155	0.00051	0.056997	0.21892	-0.06267	0.17637	-0.10876
0.246613	6.71E-08	0.494485	3.62E-30	0.497816	1.30E-30	0.30338	2.13E-11	0.196901
0.046853	0.31233	0.319968	1.41E-12	0.22823	6.20E-07	0.032438	0.48437	0.00923
-0.11402	0.01369	0.146694	0.00148	0.143717	0.00185	-0.07062	0.12752	-0.10078
-0.0438	0.34493	0.225374	8.62E-07	0.102982	0.02605	0.056901	0.2197	0.014192
-0.10783	0.01977	0.254679	2.39E-08	0.189479	3.77E-05	0.075061	0.10523	0.078867
-0.02791	0.54739	0.092424	0.04591	0.079296	0.08695	-0.21421	3.00E-06	-0.31454
0.059148	0.20199	0.332742	1.55E-13	0.278125	9.64E-10	0.073529	0.11254	0.120404
0.33339	1.38E-13	0.554218	5.89E-39	0.43493	5.66E-23	0.290385	1.59E-10	0.18062
-0.14892	0.00125	-0.09694	0.03625	-0.10968	0.01774	-0.23871	1.78E-07	-0.25993
-0.09628	0.03755	0.12001	0.00944	0.020716	0.65521	0.047486	0.30583	-0.07812
0.050179	0.27919	0.253379	2.83E-08	0.217344	2.13E-06	-0.02629	0.57092	0.144473
0.006612	0.88668	0.311722	5.55E-12	0.196186	1.96E-05	0.104742	0.0236	0.051819
0.166512	0.0003	0.39239	1.22E-18	0.265285	5.81E-09	0.255634	2.11E-08	0.174991
0.083777	0.07049	0.439062	1.99E-23	0.320522	1.28E-12	0.176092	0.00013	0.149192
0.002076	0.96432	0.354445	2.86E-15	0.234154	3.09E-07	0.144766	0.00171	0.121377
-0.02007	0.66535	0.281537	5.89E-10	0.18741	4.60E-05	0.015612	0.7365	-0.01177
-0.13323	0.00392	-0.10803	0.01953	-0.15211	0.00098	-0.05524	0.23344	-0.31569
-0.03172	0.49407	0.33694	7.34E-14	0.229205	5.54E-07	0.120163	0.00934	0.110862
0.028557	0.53817	0.213602	3.20E-06	0.182556	7.25E-05	0.128879	0.00528	0.028097
-0.02889	0.53343	0.226462	7.61E-07	0.075775	0.10195	0.08281	0.07381	0.058353
0.05401	0.24406	0.321769	1.04E-12	0.213121	3.37E-06	0.113572	0.01406	0.15508
0.107609	0.02002	0.433613	7.87E-23	0.351873	4.66E-15	0.155343	0.00076	0.16197
0.229643	5.26E-07	0.482022	1.52E-28	0.216236	2.40E-06	0.233045	3.53E-07	0.203551
-0.05694	0.21939	-0.39956	2.50E-19	-0.32952	2.73E-13	-0.12318	0.0077	-0.18059
0.256921	1.78E-08	0.192096	2.93E-05	0.351794	4.74E-15	0.084456	0.06823	-0.15338
-0.01382	0.76579	0.204926	8.04E-06	0.219249	1.72E-06	-0.00198	0.96604	-0.1294
0.043752	0.34548	0.348482	8.83E-15	0.258657	1.42E-08	0.112837	0.0147	0.055404
0.185657	5.43E-05	0.262363	8.63E-09	0.367708	2.13E-16	0.057991	0.21098	-0.1885
0.031064	0.50308	0.198345	1.58E-05	0.129439	0.00509	0.029544	0.5242	0.06401
0.024172	0.60235	0.17859	0.0001	0.129022	0.00523	0.034747	0.45379	0.161262
0.176193	0.00013	0.309882	7.49E-12	0.284153	4.01E-10	-0.01471	0.75123	0.049321
0.075604	0.10273	0.185876	5.32E-05	0.095485	0.03915	0.074822	0.10634	-0.15796

0.059026	0.20293	0.249117	4.89E-08	0.182284	7.44E-05	0.147772	0.00136	0.217682
-0.01973	0.67062	0.229717	5.22E-07	0.147396	0.0014	0.09434	0.04157	0.086247
0.081307	0.07921	0.26065	1.09E-08	0.305182	1.60E-11	-0.00087	0.98511	0.076341
-0.06069	0.19044	-0.01322	0.77565	0.104419	0.02403	-0.11955	0.00972	-0.18313
0.22272	1.17E-06	0.333992	1.24E-13	0.360758	8.43E-16	0.142182	0.00207	0.087432
-0.15297	0.00091	0.136723	0.00307	0.029033	0.53141	-0.02383	0.60743	-0.01348
0.079899	0.08457	0.371494	9.93E-17	0.318883	1.69E-12	0.116114	0.01204	0.151357
0.349656	7.09E-15	0.607653	1.78E-48	0.548849	4.30E-38	0.378238	2.49E-17	0.321547
0.256041	2.00E-08	0.482633	1.27E-28	0.465369	1.79E-26	0.225059	8.94E-07	0.33134
0.164875	0.00035	0.321186	1.15E-12	0.21451	2.90E-06	0.082404	0.07524	0.085297
-0.08976	0.05258	0.340749	3.68E-14	0.203748	9.09E-06	0.15404	0.00084	0.293896
0.007333	0.87443	0.30152	2.85E-11	0.195144	2.17E-05	0.096433	0.03723	0.087257
0.187534	4.54E-05	-0.08978	0.05253	-0.17357	0.00016	0.065741	0.15607	0.118235
0.098835	0.03273	0.390797	1.73E-18	0.341897	2.99E-14	0.128533	0.00541	0.124792
0.160774	0.00049	0.409466	2.64E-20	0.352268	4.33E-15	0.158476	0.00059	0.22594
0.235046	2.78E-07	0.5107	2.20E-32	0.390437	1.87E-18	0.311029	6.22E-12	0.226643
0.017925	0.69924	0.282532	5.09E-10	0.211865	3.86E-06	0.072977	0.11527	0.045806
0.121684	0.00848	0.476851	6.88E-28	0.456535	2.02E-25	0.089245	0.05395	0.238465
0.329657	2.67E-13	0.455024	3.03E-25	0.400004	2.27E-19	0.250101	4.31E-08	0.194293
-0.24095	1.36E-07	-0.18764	4.50E-05	-0.11487	0.01299	-0.23306	3.52E-07	-0.4184
-0.1774	0.00012	0.097446	0.03527	-0.00693	0.88132	-0.13194	0.00429	-0.2153
-0.04717	0.30908	0.066203	0.15318	0.070799	0.12656	-0.11428	0.01347	-0.38441
0.311957	5.34E-12	0.529509	4.15E-35	0.519652	1.17E-33	0.292991	1.07E-10	0.367517
0.181817	7.76E-05	0.286952	2.65E-10	0.203532	9.29E-06	0.162069	0.00044	-0.03084
0.119303	0.00987	0.391672	1.43E-18	0.343742	2.13E-14	0.090759	0.04998	0.082322
0.301482	2.87E-11	0.247	6.39E-08	0.266174	5.15E-09	0.127251	0.00589	-0.11632
0.36447	4.06E-16	0.345158	1.64E-14	0.391953	1.34E-18	0.095256	0.03962	0.026611
0.073705	0.11168	0.260795	1.07E-08	0.209199	5.13E-06	0.0093	0.84114	0.154959
-0.0375	0.41885	0.226032	7.99E-07	0.184662	5.96E-05	-0.11518	0.01275	-0.18204
0.136475	0.00312	0.267718	4.16E-09	0.199842	1.36E-05	0.088669	0.05552	0.056936
-0.17559	0.00014	-0.38782	3.28E-18	-0.34563	1.50E-14	-0.1673	0.00028	0.003005
-0.02651	0.56773	0.213583	3.21E-06	0.160322	0.00051	0.055307	0.2329	0.015072
0.052091	0.26125	0.032996	0.47688	0.087941	0.05756	-0.0938	0.04275	-0.13311
-0.1817	7.85E-05	-0.23409	3.11E-07	-0.17651	0.00013	-0.20836	5.61E-06	0.054879
-0.00944	0.83884	-0.52441	2.36E-34	-0.36862	1.77E-16	-0.11975	0.00959	-0.22776
0.104495	0.02393	0.415948	5.80E-21	0.318758	1.73E-12	0.100863	0.0293	0.037835
0.10001	0.03071	0.30987	7.51E-12	0.228668	5.89E-07	0.097901	0.03442	-0.0157
-0.1565	0.00069	0.014351	0.75709	-0.02237	0.6296	-0.16654	0.0003	-0.17351
0.09738	0.0354	0.291714	1.30E-10	0.2736	1.83E-09	0.069612	0.13307	0.07604
0.036322	0.43358	0.257174	1.72E-08	0.156212	0.00071	0.05048	0.27631	0.041282
0.132631	0.00409	0.379003	2.12E-17	0.383209	8.77E-18	0.134491	0.00359	0.165306
0.057692	0.21334	0.408816	3.06E-20	0.375671	4.23E-17	0.120206	0.00932	0.121964
-0.05969	0.19787	0.125751	0.00651	0.143868	0.00183	-0.05612	0.22608	-0.15011
0.07104	0.12527	0.141406	0.00219	0.107474	0.02018	0.104497	0.02392	-0.01255
-0.0907	0.05013	-0.24145	1.28E-07	-0.18042	8.83E-05	0.067015	0.14819	0.119383

0.016129	0.72811	0.282311	5.26E-10	0.245448	7.77E-08	0.025484	0.58277	0.093451
0.083705	0.07073	0.384394	6.82E-18	0.316427	2.55E-12	0.205265	7.76E-06	0.212174
-0.03441	0.45813	0.126988	0.006	0.106711	0.02109	-0.00248	0.9573	-0.1295
0.077502	0.09435	0.186015	5.25E-05	0.120317	0.00925	0.022029	0.63491	-0.0825
-0.33202	1.76E-13	-0.18673	4.90E-05	-0.17976	9.38E-05	-0.13647	0.00313	-0.18452
0.122202	0.0082	0.429093	2.42E-22	0.353778	3.25E-15	0.132058	0.00425	0.080339
-0.17435	0.00015	-0.52576	1.50E-34	-0.39751	3.96E-19	-0.36913	1.60E-16	-0.31077
0.100648	0.02965	0.334367	1.16E-13	0.293924	9.27E-11	0.130207	0.00483	0.008415
-0.18359	6.59E-05	-0.12151	0.00858	-0.10051	0.02987	-0.12608	0.00637	-0.33158
-0.07642	0.09906	0.130947	0.00459	0.069672	0.13273	0.043687	0.34619	0.034188
0.008894	0.84798	0.177279	0.00012	0.205043	7.94E-06	0.008549	0.85382	-0.17917
0.199162	1.45E-05	0.330976	2.12E-13	0.334675	1.10E-13	0.092953	0.04468	-0.1051
0.117295	0.01119	0.46699	1.14E-26	0.313973	3.83E-12	0.166401	0.0003	0.246261
0.054388	0.24077	0.294822	8.08E-11	0.106469	0.02138	0.07951	0.0861	0.173934
-0.21477	2.82E-06	-0.04332	0.3503	-0.09021	0.05138	-0.05513	0.23445	-0.19633
-0.09252	0.04569	0.057463	0.21516	0.059091	0.20243	-0.11978	0.00957	-0.1984
-0.01457	0.75349	0.205828	7.32E-06	0.17461	0.00015	0.024537	0.59687	-0.0097
-0.02356	0.61162	0.189648	3.71E-05	0.140353	0.00237	0.016975	0.71445	-0.01982
-0.0167	0.71884	0.154437	0.00081	0.093291	0.0439	-0.05292	0.25375	-0.06658
0.10005	0.03064	0.415857	5.92E-21	0.276452	1.22E-09	0.145492	0.00162	0.095585
-0.04823	0.29835	-0.24944	4.69E-08	-0.24978	4.49E-08	0.105902	0.02209	0.187289
0.067734	0.14388	-0.24444	8.81E-08	-0.09091	0.04959	0.000827	0.98578	0.029977
-0.01125	0.80834	0.315865	2.80E-12	0.207725	6.00E-06	0.152901	0.00092	0.279592
0.009029	0.8457	0.204621	8.30E-06	0.20165	1.13E-05	-0.00558	0.90432	-0.11825
0.002433	0.95818	0.225419	8.58E-07	0.191423	3.12E-05	0.083332	0.072	0.011394
0.131307	0.00448	0.143298	0.00191	0.182482	7.30E-05	0.00623	0.89319	-0.23212
-0.07818	0.09148	0.262543	8.42E-09	-0.02515	0.58779	0.162953	0.00041	0.232402
0.07523	0.10444	0.34314	2.38E-14	0.193691	2.50E-05	0.199482	1.41E-05	0.167779
-0.12933	0.00512	0.12497	0.00685	0.014692	0.75149	-0.03713	0.42336	-0.0754
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0.125091	0.0068	-0.22397	1.01E-06	-0.24687	6.50E-08	0.014163	0.76018	0.06952
0.15128	0.00104	-0.33563	9.27E-14	-0.17236	0.00018	-0.06396	0.16765	-0.16024
-0.1368	0.00305	0.135319	0.00339	0.060977	0.18837	-0.03361	0.46871	-0.09051
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0.051527	0.26646	0.394622	7.49E-19	0.369405	1.51E-16	0.111467	0.01596	0.061983
0.101686	0.028	0.290293	1.61E-10	0.31178	5.50E-12	0.132449	0.00414	0.072125
0.003695	0.93653	0.264904	6.12E-09	0.203138	9.68E-06	0.007027	0.87962	-0.01023
0.167323	0.00028	0.34229	2.78E-14	0.349071	7.91E-15	0.123776	0.00741	0.143989
0.059704	0.19778	0.173905	0.00016	0.361643	7.09E-16	0.050126	0.2797	-0.00849
0.047337	0.30735	0.037473	0.41915	0.183177	6.85E-05	-0.106	0.02196	-0.30419
0.329328	2.83E-13	0.370037	1.33E-16	0.355768	2.22E-15	0.21533	2.65E-06	-0.05141
0.019805	0.66946	0.251996	3.38E-08	0.273023	1.99E-09	-0.0402	0.38609	-0.06017
0.198338	1.58E-05	0.170583	0.00021	0.180139	9.06E-05	-0.07385	0.111	-0.26532
0.075182	0.10467	0.202608	1.02E-05	0.235427	2.65E-07	-0.02332	0.61523	-0.0588
-0.02998	0.51811	0.303542	2.07E-11	0.279269	8.17E-10	0.035881	0.43919	0.025311

0.02995	0.51851	0.13911	0.00259	0.27583	1.34E-09	-0.13152	0.00441	-0.18023
-0.07747	0.0945	0.178392	0.00011	0.18703	4.77E-05	-0.0352	0.44796	-0.03952
0.035788	0.44038	0.477107	6.39E-28	0.325965	5.07E-13	0.133963	0.00373	0.144196
0.333551	1.34E-13	0.555948	3.08E-39	0.397397	4.06E-19	0.273754	1.80E-09	0.183532
0.063757	0.16898	-0.2437	9.67E-08	-0.19038	3.46E-05	0.082372	0.07535	0.076309
-0.14795	0.00134	0.022184	0.63252	-0.05277	0.25506	-0.09516	0.03982	-0.33315
0.133393	0.00388	0.327852	3.65E-13	0.298814	4.36E-11	0.171459	0.0002	0.118818
0.10178	0.02786	0.407916	3.77E-20	0.39541	6.29E-19	0.113884	0.0138	0.045771
-0.07476	0.10664	0.166479	0.0003	0.140997	0.00226	-0.04654	0.31563	-0.07941
0.025938	0.57609	0.238682	1.79E-07	0.155725	0.00073	0.119732	0.0096	0.02196
-0.05025	0.27851	0.261493	9.70E-09	0.21905	1.76E-06	0.000255	0.99562	0.018918
0.163734	0.00038	0.219825	1.61E-06	0.087063	0.06011	0.114822	0.01303	0.091505
-0.00779	0.86668	-0.00259	0.95541	0.033521	0.46989	0.037216	0.42234	-0.00756
0.085341	0.06538	0.276841	1.16E-09	0.209788	4.82E-06	-0.04927	0.28798	-0.05826
-0.09479	0.04061	-0.44144	1.08E-23	-0.40117	1.75E-19	-0.03107	0.50294	-0.09199
-0.06089	0.189	0.190949	3.27E-05	0.037243	0.422	-0.12779	0.00568	-0.13019
-0.1199	0.0095	0.233865	3.20E-07	0.097842	0.03453	-0.00063	0.98908	-0.01073
0.009691	0.83455	0.319348	1.56E-12	-0.01096	0.81326	0.139256	0.00256	0.226305
0.048195	0.29865	0.491964	7.81E-30	0.388053	3.12E-18	0.125246	0.00673	0.225076
0.183843	6.43E-05	0.357072	1.73E-15	0.295168	7.66E-11	0.098203	0.03387	0.275632
0.04252	0.35924	-0.23619	2.42E-07	-0.09551	0.0391	0.054232	0.24213	-0.07439
0.254857	2.33E-08	0.298715	4.43E-11	0.355368	2.40E-15	0.080438	0.08249	0.149899
-0.23804	1.94E-07	0.019711	0.67094	0.03373	0.46712	-0.14599	0.00156	-0.21614
0.227786	6.53E-07	0.262876	8.05E-09	0.049983	0.28107	0.309776	7.62E-12	0.121519
-0.0695	0.13368	0.26434	6.61E-09	0.10113	0.02887	0.030171	0.51544	0.0531
-0.18876	4.04E-05	0.021119	0.64895	-0.02865	0.53681	-0.12079	0.00898	-0.17037
-0.04696	0.31126	0.108452	0.01906	0.114335	0.01342	0.007201	0.87666	-0.09028
0.023979	0.60524	0.199013	1.47E-05	0.153669	0.00086	0.119551	0.00971	0.150463
-0.03016	0.51556	-0.01913	0.68005	0.034582	0.45594	-0.18132	8.13E-05	-0.27028
0.033066	0.47594	0.251432	3.64E-08	0.209517	4.96E-06	0.091552	0.04801	0.049158
-0.09059	0.05041	-0.26357	7.33E-09	-0.32533	5.65E-13	0.116375	0.01185	0.08205
0.073418	0.11309	0.435478	4.93E-23	0.371118	1.07E-16	0.186208	5.15E-05	0.17084
-0.12026	0.00928	-0.02765	0.55117	0.042724	0.35693	-0.12591	0.00644	-0.3109
-0.21994	1.59E-06	0.058309	0.20847	0.056803	0.22049	-0.07887	0.08868	-0.09791
0.22411	9.96E-07	0.002984	0.94872	-0.04654	0.31556	0.2748	1.55E-09	0.235309
-0.01817	0.69527	-0.21805	1.97E-06	-0.11505	0.01285	-0.00546	0.90625	0.025397
0.434435	6.41E-23	0.104206	0.02432	0.209883	4.77E-06	0.248569	5.24E-08	0.297582
0.071389	0.12342	0.358706	1.26E-15	0.261523	9.66E-09	0.057517	0.21473	0.084993
-0.08346	0.07155	0.137323	0.00294	0.156314	0.0007	-0.09373	0.04292	-0.11898
0.255385	2.18E-08	0.072257	0.11892	-0.02975	0.52131	0.222342	1.22E-06	0.447929
-0.08304	0.07302	0.317652	2.08E-12	0.101184	0.02879	0.0028	0.95188	0.384258
0.014922	0.74775	-0.17586	0.00013	-0.11687	0.01149	-0.08188	0.07711	-0.14428
-0.04772	0.3035	0.154508	0.00081	0.050411	0.27696	0.008176	0.86013	0.037335
0.078188	0.09146	0.201212	1.18E-05	0.03687	0.42666	0.229055	5.64E-07	0.213271
-0.04518	0.3299	0.108845	0.01863	-0.00666	0.88587	0.144583	0.00173	0.148507

0.035232	0.44751	0.142142	0.00208	0.1188	0.01018	0.0723	0.1187	-0.01553
-0.05345	0.24898	0.241218	1.31E-07	0.111545	0.01588	0.033696	0.46758	0.168049
0.003028	0.94796	0.274197	1.69E-09	0.168369	0.00026	0.073867	0.1109	0.053694
-0.1993	1.43E-05	-0.00763	0.86938	-0.05922	0.20146	-0.12667	0.00612	-0.133
-0.22875	5.84E-07	-0.16526	0.00034	-0.1506	0.0011	-0.12913	0.00519	-0.26887
0.092007	0.0469	-0.12719	0.00592	-0.01467	0.75191	-0.04221	0.3628	-0.12263
0.083514	0.07138	0.328234	3.42E-13	0.287314	2.51E-10	0.21152	4.01E-06	0.172114
0.205799	7.34E-06	0.391965	1.34E-18	0.165096	0.00034	0.113662	0.01399	0.22039
0.026607	0.56628	0.273452	1.87E-09	0.138923	0.00262	0.060362	0.19287	0.043294
0.090655	0.05025	0.28967	1.77E-10	0.172965	0.00017	0.092546	0.04562	0.007775
-0.1666	0.0003	0.06179	0.18253	0.026732	0.56445	-0.11236	0.01513	-0.22063
-0.21078	4.34E-06	0.028764	0.53522	-0.05992	0.19616	-0.1903	3.48E-05	-0.27158
-0.02954	0.52426	0.176779	0.00012	0.061942	0.18146	0.073422	0.11307	0.029149
-0.07943	0.08642	0.162117	0.00044	0.06183	0.18225	-0.0253	0.58552	-0.06238
-0.18452	6.04E-05	0.063501	0.17069	-0.03051	0.51077	-0.13487	0.0035	-0.21835
-0.05891	0.20378	0.233667	3.27E-07	0.15341	0.00088	0.046784	0.31304	-0.02646
-0.09775	0.0347	0.203074	9.74E-06	0.132342	0.00417	0.051215	0.26937	0.170874
0.104648	0.02372	0.139141	0.00258	0.215627	2.57E-06	0.053831	0.24563	-0.03561
-0.00828	0.85844	0.228122	6.28E-07	0.204052	8.80E-06	0.04047	0.38289	0.002607
0.079114	0.08768	0.383372	8.47E-18	0.325313	5.67E-13	0.139691	0.00248	0.166799
-0.04934	0.28734	0.09092	0.04958	-0.00469	0.91949	0.182221	7.48E-05	0.079002
-0.26447	6.49E-09	-0.14484	0.0017	-0.13164	0.00438	-0.12472	0.00696	-0.21615
-0.02086	0.65297	-0.33305	1.47E-13	-0.21848	1.87E-06	0.011316	0.80731	0.06082
0.125314	0.0067	0.307319	1.13E-11	0.357265	1.66E-15	-0.01604	0.72948	-0.06866
-0.02697	0.56102	0.032072	0.48932	0.181906	7.70E-05	-0.21582	2.51E-06	-0.27347
0.122756	0.00791	0.25581	2.06E-08	0.242929	1.06E-07	0.1922	2.90E-05	0.05295
-0.32091	1.20E-12	-0.11154	0.01589	-0.13961	0.0025	-0.29063	1.53E-10	-0.3857
-0.07436	0.10854	0.120726	0.00902	0.077569	0.09407	-0.02652	0.56758	-0.06968
0.064857	0.16173	0.51107	1.95E-32	0.30791	1.03E-11	0.206617	6.74E-06	0.387078
-0.02455	0.59667	-0.31337	4.23E-12	-0.23458	2.94E-07	0.002738	0.95294	-0.1471
0.215729	2.54E-06	-0.04528	0.32891	0.029603	0.52338	0.032059	0.48949	-0.09506
0.01871	0.68674	0.215884	2.50E-06	0.228824	5.79E-07	-0.02336	0.61456	-0.09262
-0.12641	0.00623	-0.31763	2.09E-12	-0.15055	0.0011	-0.19871	1.52E-05	-0.07479
-0.06439	0.1648	0.081595	0.07815	-0.01154	0.80359	-0.10046	0.02995	-0.28452
0.10092	0.02921	0.205334	7.71E-06	0.086518	0.06174	0.066294	0.15262	-0.0769
-0.22452	9.50E-07	0.045187	0.32987	0.024912	0.59127	-0.04084	0.37855	-0.09667
0.033484	0.47038	0.271876	2.34E-09	0.222007	1.26E-06	0.06503	0.16061	0.066706
0.355042	2.55E-15	0.423399	9.75E-22	0.40465	7.95E-20	0.171973	0.00019	0.074045
0.019154	0.67971	0.18062	8.67E-05	0.274753	1.56E-09	-0.00278	0.9523	-0.04053
0.011066	0.81149	0.123117	0.00773	0.132444	0.00414	-0.19286	2.72E-05	-0.2276
0.254517	2.44E-08	0.398646	3.07E-19	0.431874	1.22E-22	0.216776	2.26E-06	0.131197
0.133463	0.00386	0.246235	7.04E-08	0.210109	4.66E-06	-0.13879	0.00265	-0.15765
0.065676	0.15648	0.269978	3.05E-09	0.205563	7.53E-06	0.080508	0.08222	0.0335
0.169245	0.00024	0.283627	4.34E-10	0.015145	0.74411	0.163098	0.0004	0.22582
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-0.01573	0.73452	0.111836	0.01561	0.129031	0.00523	-0.1431	0.00193	-0.26013
0.039797	0.39086	0.384869	6.17E-18	0.257301	1.69E-08	0.129681	0.005	0.166531
0.075468	0.10335	0.254076	2.58E-08	0.250697	4.00E-08	0.244095	9.20E-08	0.121177
-0.10859	0.01891	0.172059	0.00019	0.089167	0.05416	0.010397	0.82269	-0.09822
0.065365	0.15846	0.119506	0.00974	0.129015	0.00523	0.090909	0.0496	0.054028
0.046572	0.31524	0.310074	7.26E-12	0.166545	0.0003	0.068376	0.14011	0.127732
0.133768	0.00378	0.287906	2.30E-10	0.237211	2.14E-07	0.2956	7.17E-11	0.202359
0.185529	5.49E-05	0.522785	4.09E-34	0.466994	1.14E-26	0.282417	5.18E-10	0.293843
0.081129	0.07988	0.266858	4.69E-09	0.230471	4.78E-07	0.198092	1.62E-05	0.123304
0.041271	0.37354	0.122169	0.00822	0.207817	5.94E-06	-0.07881	0.08892	-0.02016
0.003934	0.93243	0.354487	2.84E-15	0.200157	1.31E-05	0.19133	3.15E-05	0.138508
-0.01902	0.68176	0.284946	3.57E-10	0.165497	0.00033	0.067661	0.14431	-0.03004
0.085753	0.06409	0.479897	2.84E-28	0.277018	1.13E-09	0.26468	6.31E-09	0.386154
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0.164788	0.00035	0.307498	1.10E-11	0.299323	4.03E-11	0.086033	0.06322	0.010767
0.273766	1.79E-09	0.583248	6.56E-44	0.470534	4.19E-27	0.272156	2.25E-09	0.231962
-0.06168	0.18331	0.089884	0.05224	0.093976	0.04237	-0.03287	0.47854	-0.06734
0.016505	0.72203	0.294368	8.66E-11	0.305336	1.56E-11	-0.02005	0.66566	-0.00185
-0.01189	0.79773	0.182577	7.24E-05	0.167539	0.00028	0.015661	0.7357	-0.0213
-0.03403	0.46322	0.117602	0.01098	0.080954	0.08053	-0.08718	0.05976	-0.13324
0.099161	0.03216	0.530206	3.27E-35	0.412112	1.43E-20	0.205267	7.76E-06	0.27917
-0.12201	0.00831	0.192129	2.92E-05	0.057409	0.2156	0.012194	0.79269	-0.0558
-0.01991	0.66781	0.274188	1.69E-09	0.184623	5.98E-05	0.054423	0.24047	0.078488
0.136479	0.00312	0.381105	1.37E-17	0.364014	4.45E-16	0.071138	0.12475	0.15038
-0.052	0.26207	0.242822	1.08E-07	0.186729	4.90E-05	0.065035	0.16057	0.142231
-0.01919	0.67915	0.282512	5.11E-10	0.151313	0.00104	0.141593	0.00216	0.153547
0.075422	0.10356	0.066037	0.15422	0.109317	0.01812	-0.03604	0.43718	-0.21795
-0.00674	0.88455	0.244051	9.25E-08	0.138226	0.00276	0.093082	0.04438	0.01184
-0.07021	0.12974	0.056172	0.22567	0.060223	0.1939	-0.03484	0.45253	-0.11175
5.80E-06	0.9999	0.23963	1.60E-07	0.176899	0.00012	0.058633	0.20596	0.068052
-0.09535	0.03943	0.154305	0.00082	0.089827	0.05239	0.019317	0.67715	-0.03944
0.096195	0.03771	0.168841	0.00025	0.085347	0.06536	0.086802	0.06089	0.127349
0.42912	2.41E-22	0.465337	1.80E-26	0.491094	1.02E-29	0.287453	2.46E-10	0.145549
0.232183	3.90E-07	0.462838	3.60E-26	0.365793	3.12E-16	0.060627	0.19092	0.155626
0.10658	0.02124	0.171146	0.0002	0.126843	0.00605	0.010468	0.8215	-0.13016
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0.335882	8.87E-14	0.527171	9.25E-35	0.496197	2.14E-30	0.214021	3.06E-06	0.180878
-0.02592	0.57629	0.287444	2.47E-10	0.213802	3.13E-06	0.051441	0.26726	-0.00152
-0.00057	0.9902	0.247961	5.66E-08	0.14532	0.00164	-0.00764	0.86925	0.064916
0.076232	0.0999	0.378897	2.17E-17	0.280347	7.00E-10	0.179194	9.88E-05	0.117526
0.026131	0.57325	0.276818	1.16E-09	0.267286	4.42E-09	0.163018	0.0004	0.075243
0.012714	0.78406	0.276627	1.19E-09	0.223219	1.10E-06	0.062994	0.17414	0.051235
-0.22114	1.39E-06	0.119876	0.00952	0.050172	0.27925	-0.01731	0.7091	-0.03416
0.094403	0.04144	0.155988	0.00072	0.137611	0.00288	0.057812	0.21239	-0.11596

0.217655	2.05E-06	0.344677	1.79E-14	0.308944	8.72E-12	0.139018	0.00261	0.132473
-0.06903	0.13635	0.215767	2.53E-06	0.17001	0.00022	0.002293	0.96059	-0.00051
-0.22277	1.16E-06	0.050507	0.27605	0.01681	0.71711	-0.02884	0.53411	-0.03658
0.285725	3.18E-10	0.378898	2.17E-17	0.352344	4.27E-15	0.317569	2.11E-12	0.343596
0.287092	2.60E-10	0.571323	8.15E-42	0.530263	3.20E-35	0.250087	4.32E-08	0.224491
0.229717	5.22E-07	0.549046	4.00E-38	0.367017	2.45E-16	0.243367	1.01E-07	0.390874
0.120264	0.00928	0.586211	1.92E-44	0.373805	6.20E-17	0.194873	2.23E-05	0.316813
0.109702	0.01772	0.362638	5.83E-16	0.285176	3.45E-10	0.164997	0.00034	0.261663
0.214746	2.83E-06	0.255025	2.28E-08	0.328203	3.44E-13	0.10682	0.02095	0.101149
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-0.01366	0.76847	0.260058	1.18E-08	0.19013	3.54E-05	0.038656	0.4046	0.027674
0.010561	0.81995	0.308648	9.15E-12	0.195085	2.18E-05	0.075459	0.10339	0.020044
0.019125	0.68017	0.21177	3.90E-06	0.108057	0.01951	0.085667	0.06435	0.113135
-0.09944	0.03168	-0.29018	1.64E-10	-0.20129	1.17E-05	-0.24962	4.59E-08	-0.23414
0.091391	0.0484	0.323341	7.95E-13	0.36697	2.47E-16	-0.01001	0.82918	0.029505
0.055621	0.23026	0.227065	7.10E-07	0.252622	3.12E-08	0.07282	0.11606	0.024165
0.127196	0.00591	0.375015	4.84E-17	0.404674	7.91E-20	0.104641	0.02373	0.067299
0.038513	0.40634	0.342942	2.47E-14	0.298489	4.59E-11	0.152491	0.00095	0.130351
-0.18806	4.32E-05	-0.3588	1.24E-15	-0.49935	8.06E-31	-0.11153	0.0159	-0.06211
0.293416	1.00E-10	0.535955	4.41E-36	0.554746	4.83E-39	0.12301	0.00779	0.183485
-0.06125	0.18643	0.213234	3.33E-06	0.129695	0.005	-0.10398	0.02463	-0.1105
0.120858	0.00894	0.152552	0.00094	0.196707	1.86E-05	-0.01144	0.80526	-0.04248
0.03249	0.48366	0.232165	3.91E-07	0.15021	0.00113	0.031568	0.49617	0.003085
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0.02363	0.6105	0.419119	2.73E-21	0.275605	1.38E-09	0.144242	0.00178	0.215542
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-0.16779	0.00027	0.13441	0.00361	0.153107	0.0009	-0.14548	0.00162	-0.07525
0.131717	0.00435	0.467433	1.00E-26	0.410906	1.89E-20	0.165133	0.00034	0.359103
-0.07544	0.10348	0.119555	0.00971	0.044003	0.3427	0.020324	0.66133	-0.03482
0.125718	0.00652	0.502396	3.11E-31	0.359964	9.85E-16	0.126252	0.0063	0.213915
0.057738	0.21297	0.226579	7.51E-07	0.178232	0.00011	-0.07676	0.09757	-0.10662
-0.06327	0.17227	0.054123	0.24308	0.041682	0.36879	-0.04541	0.3275	-0.09352
-0.18491	5.82E-05	0.136426	0.00314	0.059314	0.20073	-0.0487	0.29359	-0.08023
0.134602	0.00357	0.364842	3.77E-16	0.278531	9.09E-10	0.177415	0.00012	0.107276
0.240514	1.43E-07	0.602213	2.01E-47	0.498212	1.15E-30	0.173582	0.00016	0.26044
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0.138743	0.00266	0.37488	4.97E-17	0.280524	6.82E-10	0.233098	3.50E-07	0.180464
0.090834	0.04979	0.225915	8.10E-07	0.173829	0.00016	0.01677	0.71775	-0.08119
0.105528	0.02256	0.410366	2.14E-20	0.237399	2.09E-07	0.260539	1.10E-08	0.28183
-0.0355	0.44411	0.210188	4.62E-06	0.146257	0.00153	-0.02575	0.57882	-0.0111
-0.09573	0.03865	0.198398	1.57E-05	0.119876	0.00952	0.037073	0.42413	-0.01253
0.186504	5.01E-05	0.255603	2.12E-08	0.131038	0.00456	0.033341	0.47228	-0.03037
0.199243	1.44E-05	0.508665	4.24E-32	0.451311	8.18E-25	0.162727	0.00041	0.237786
0.033666	0.46797	0.144822	0.0017	0.173462	0.00017	-0.07092	0.12589	-0.07792
0.200018	1.33E-05	0.339601	4.54E-14	0.241807	1.22E-07	0.376613	3.48E-17	0.397228

-0.14216	0.00207	-0.48058	2.33E-28	-0.29262	1.13E-10	-0.20536	7.69E-06	-0.30529
0.122241	0.00818	0.365399	3.38E-16	0.345788	1.46E-14	0.098024	0.0342	0.005004
0.000616	0.98941	0.44754	2.21E-24	0.228015	6.36E-07	0.187488	4.56E-05	0.383216
0.321966	1.00E-12	0.68134	5.27E-65	0.628857	8.90E-53	0.315104	3.18E-12	0.411223
0.141704	0.00214	0.437874	2.69E-23	0.357252	1.67E-15	0.032357	0.48546	0.012358
0.083478	0.0715	0.264482	6.48E-09	0.228561	5.97E-07	0.009649	0.83525	-0.02468
0.157681	0.00063	0.268369	3.81E-09	0.459421	9.21E-26	0.10848	0.01903	-0.08325
-0.00367	0.93696	0.273248	1.93E-09	0.122704	0.00794	0.158223	0.0006	0.184351
-0.06394	0.16778	0.116339	0.01187	0.155477	0.00075	-0.01883	0.68487	-0.11335
-0.21016	4.64E-06	-0.00696	0.88083	0.019965	0.66695	-0.18425	6.19E-05	-0.21631
0.12763	0.00574	0.586487	1.71E-44	0.465907	1.54E-26	0.220997	1.42E-06	0.284964
0.240621	1.41E-07	0.521166	7.04E-34	0.406089	5.73E-20	0.194088	2.41E-05	0.234764
0.103306	0.02558	0.474836	1.23E-27	0.465015	1.97E-26	0.10231	0.02705	0.187921
-0.15994	0.00052	0.201094	1.19E-05	0.056886	0.21982	-0.00679	0.88362	0.040581
0.066079	0.15395	0.222045	1.26E-06	0.182733	7.13E-05	0.027929	0.54714	-0.05061
0.019058	0.68123	0.196853	1.83E-05	0.203942	8.90E-06	0.038295	0.40901	-0.02567
0.11536	0.01261	0.177198	0.00012	0.2917	1.30E-10	-0.02832	0.54147	-0.10081
-0.10777	0.01983	0.081413	0.07882	0.089682	0.05277	-0.12764	0.00574	-0.14064
-0.1084	0.01912	0.094213	0.04185	-0.00882	0.84928	-0.02683	0.56297	-0.02795
0.052709	0.25563	0.179187	9.88E-05	0.147622	0.00138	0.051204	0.26947	-0.10548
-0.09491	0.04034	-0.46548	1.73E-26	-0.41051	2.07E-20	-0.17185	0.00019	-0.16844
-0.04967	0.2841	0.238764	1.77E-07	0.092228	0.04638	0.090866	0.04971	0.089981
0.125917	0.00644	0.196053	1.98E-05	0.109601	0.01782	0.037296	0.42135	-0.09502
0.011486	0.80448	0.34645	1.29E-14	0.282295	5.27E-10	0.084671	0.06753	0.095033
0.088739	0.05533	0.385603	5.27E-18	0.248747	5.13E-08	0.190299	3.48E-05	0.174026
0.315963	2.76E-12	0.330997	2.11E-13	0.274715	1.57E-09	0.106731	0.02106	-0.04521
0.10847	0.01904	0.324555	6.46E-13	0.327758	3.71E-13	0.088706	0.05542	0.007605
0.075447	0.10345	0.252706	3.09E-08	0.156915	0.00067	-0.11267	0.01485	-0.1231
0.067288	0.14654	0.200742	1.24E-05	0.182335	7.40E-05	-0.10409	0.02449	-0.1415
0.128137	0.00555	0.457332	1.63E-25	0.310152	7.17E-12	0.08989	0.05223	0.068687
0.02985	0.51991	0.38697	3.94E-18	0.264735	6.26E-09	0.073945	0.11052	0.078032
0.17917	9.90E-05	0.320502	1.29E-12	0.340767	3.67E-14	0.104057	0.02453	-0.02312
0.216408	2.36E-06	0.470713	3.99E-27	0.348147	9.41E-15	0.286683	2.76E-10	0.402566
-0.03261	0.48205	0.245054	8.16E-08	0.118591	0.01032	0.128357	0.00547	0.183849
-0.07185	0.12101	-0.25295	2.99E-08	-0.36894	1.66E-16	0.034796	0.45316	0.033425
-0.00854	0.85389	0.26355	7.35E-09	0.137637	0.00288	0.124442	0.00709	0.197979
0.106893	0.02087	0.274287	1.67E-09	0.223607	1.05E-06	0.028238	0.54271	0.006424
0.2112	4.15E-06	0.380254	1.63E-17	0.347346	1.09E-14	0.357712	1.53E-15	0.250365
0.09177	0.04748	-0.19786	1.66E-05	-0.15845	0.00059	0.093021	0.04452	0.171657
0.110427	0.01697	0.305239	1.58E-11	0.300312	3.45E-11	0.014883	0.74838	-0.1123
0.318538	1.79E-12	0.4295	2.19E-22	0.414678	7.82E-21	0.088318	0.0565	0.113005
-0.10943	0.01801	0.252218	3.29E-08	0.123031	0.00777	-0.01384	0.76543	0.058057
0.233466	3.35E-07	0.394837	7.14E-19	0.276404	1.23E-09	0.079448	0.08635	-0.02077
0.078335	0.09086	0.40342	1.05E-19	0.323627	7.57E-13	0.13907	0.0026	0.103911
-0.07402	0.11013	-0.17637	0.00013	-0.07648	0.09881	-0.19759	1.70E-05	-0.28225



0.044224	0.34028	-0.31522	3.12E-12	-0.12827	0.0055	-0.10686	0.0209	-0.22815
0.225435	8.56E-07	0.386273	4.57E-18	0.422638	1.17E-21	0.293047	1.06E-10	0.215716
0.244352	8.91E-08	0.329043	2.97E-13	0.282747	4.93E-10	0.197177	1.77E-05	0.218114
0.170063	0.00022	-0.17347	0.00017	-0.20221	1.06E-05	0.16998	0.00022	0.00024
0.158994	0.00056	0.117922	0.01076	0.11284	0.0147	0.058664	0.20572	-0.12463
-0.04849	0.29568	0.260362	1.13E-08	0.241561	1.26E-07	0.027261	0.55678	0.030929
0.006094	0.8955	0.276373	1.24E-09	0.242992	1.06E-07	0.030343	0.51304	0.059315
-0.05027	0.27834	0.274064	1.72E-09	0.178148	0.00011	0.06301	0.17403	0.061177
0.07706	0.09626	0.40505	7.26E-20	0.334751	1.09E-13	0.278383	9.29E-10	0.458381
0.026689	0.56509	0.188616	4.10E-05	0.127135	0.00594	0.106515	0.02132	0.059878
0.008844	0.84882	-0.33787	6.20E-14	-0.21675	2.27E-06	-0.03545	0.44476	-0.16177
0.044233	0.34019	0.148943	0.00125	0.129142	0.00519	0.059845	0.19672	-0.03999
0.023118	0.61827	0.400298	2.12E-19	0.242528	1.12E-07	0.147258	0.00142	0.262565
0.006792	0.88362	0.122878	0.00785	0.188472	4.15E-05	-0.04227	0.36206	-0.23993
0.285864	3.12E-10	0.491839	8.11E-30	0.474388	1.40E-27	0.209581	4.93E-06	0.111922
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0.023615	0.61074	0.449348	1.38E-24	0.325817	5.20E-13	0.107327	0.02035	0.205807
0.149371	0.00121	0.252054	3.36E-08	0.346149	1.36E-14	0.065465	0.15782	0.075751
0.023762	0.60851	0.2799	7.46E-10	0.157291	0.00065	0.199718	1.37E-05	0.243892
-0.17903	0.0001	0.103261	0.02565	0.048782	0.2928	-0.04954	0.28536	-0.11669
0.101357	0.02852	0.103425	0.02541	0.102037	0.02746	-0.13809	0.00278	-0.21654
0.016262	0.72595	0.158828	0.00057	0.067004	0.14826	0.058353	0.20813	-0.05894
0.162519	0.00042	0.29241	1.17E-10	0.135946	0.00324	0.226122	7.91E-07	0.306774
0.273232	1.93E-09	0.350641	5.89E-15	0.318981	1.66E-12	0.307512	1.10E-11	0.132414
-0.05175	0.26441	0.168451	0.00026	0.143169	0.00192	0.009062	0.84514	-0.13647
-0.05673	0.22109	0.165484	0.00033	0.103657	0.02509	-0.13694	0.00302	-0.0295
0.01724	0.7102	0.289069	1.93E-10	0.101666	0.02803	0.115272	0.01268	0.123397
0.221695	1.31E-06	-0.18903	3.94E-05	-0.02077	0.65438	-0.07047	0.12835	-0.03741
-0.09296	0.04467	0.125852	0.00646	0.028115	0.54447	0.057848	0.2121	0.022114
0.200221	1.30E-05	0.239639	1.59E-07	0.406432	5.30E-20	0.143964	0.00181	0.09745
0.074201	0.10928	0.526487	1.17E-34	0.359084	1.17E-15	0.290916	1.46E-10	0.271218
0.151256	0.00104	0.492643	6.35E-30	0.412269	1.37E-20	0.188482	4.15E-05	0.334265
0.099031	0.03239	0.295149	7.69E-11	0.250419	4.14E-08	0.049361	0.2871	0.111704
-0.1248	0.00693	-0.36916	1.59E-16	-0.27321	1.94E-09	-0.16593	0.00032	-0.09351
0.174143	0.00016	0.428332	2.92E-22	0.35172	4.80E-15	0.201613	1.13E-05	0.107508
-0.0711	0.12495	0.209726	4.85E-06	0.192465	2.82E-05	-0.00461	0.9208	-0.02976
0.151282	0.00104	0.238141	1.91E-07	0.318026	1.95E-12	0.001296	0.97772	0.036412
-0.15175	0.001	0.109792	0.01762	0.047241	0.30833	-0.03697	0.42546	-0.04254
0.154212	0.00083	0.23091	4.54E-07	0.204639	8.28E-06	0.071873	0.12089	-0.00188
0.02565	0.58033	0.102699	0.02647	0.140405	0.00236	-0.03696	0.42555	-0.11886
0.003673	0.9369	-0.37906	2.09E-17	-0.30134	2.94E-11	-0.12512	0.00679	-0.13401
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0.245041	8.18E-08	0.414809	7.58E-21	0.405289	6.88E-20	0.248435	5.33E-08	0.086839
0.138678	0.00267	0.237874	1.98E-07	0.2978	5.10E-11	0.039231	0.39764	-0.13461
0.020108	0.66471	0.047903	0.3016	0.054407	0.24061	0.02485	0.59219	-0.19603

0.280589	6.75E-10	0.155436	0.00075	0.124771	0.00694	0.173163	0.00017	0.392397
0.06644	0.15171	0.206146	7.08E-06	0.193068	2.66E-05	0.06435	0.16504	0.007084
-0.13074	0.00465	0.132628	0.00409	0.081084	0.08005	-0.04382	0.34476	-0.08869
-0.04946	0.2861	0.299138	4.15E-11	0.231996	3.99E-07	0.072711	0.11661	0.095768
-0.00976	0.83335	0.365536	3.29E-16	0.303686	2.03E-11	0.089081	0.05439	0.113241
-0.2659	5.34E-09	-0.08042	0.08257	-0.11247	0.01503	-0.0724	0.11819	-0.08602
0.115319	0.01264	0.377178	3.10E-17	0.275005	1.50E-09	0.179563	9.55E-05	0.099067
-0.1885	4.14E-05	-0.31269	4.74E-12	-0.32162	1.07E-12	-0.09986	0.03096	-0.15996
-0.26408	6.84E-09	-0.40508	7.22E-20	-0.34505	1.67E-14	-0.13699	0.00301	-0.19146
-0.15045	0.00111	-0.50976	2.98E-32	-0.47635	7.94E-28	-0.16501	0.00034	-0.20382
0.200116	1.32E-05	0.012311	0.79075	0.005625	0.90351	-0.07967	0.08548	-0.0501
0.153203	0.0009	0.397729	3.77E-19	0.313544	4.12E-12	0.136307	0.00316	0.12442
0.099828	0.03101	0.215873	2.50E-06	0.189776	3.66E-05	0.044979	0.33211	0.026798
0.23417	3.08E-07	-0.11482	0.01303	-0.17542	0.00014	0.014762	0.75035	0.108294
-0.09224	0.04636	0.047805	0.30259	0.013668	0.76831	0.135586	0.00333	-0.0088
0.076344	0.0994	0.388179	3.04E-18	0.307463	1.11E-11	0.089973	0.05201	0.084075
-0.07004	0.13068	0.131888	0.0043	-0.0226	0.62609	0.041864	0.36671	0.018291
0.226503	7.57E-07	0.25484	2.34E-08	0.23738	2.10E-07	0.145226	0.00165	0.036944
0.208058	5.79E-06	0.320551	1.28E-12	0.196018	1.99E-05	0.125186	0.00675	0.1108
0.17005	0.00022	0.26462	6.36E-09	0.276033	1.30E-09	0.125398	0.00666	0.16628
-0.08052	0.08218	0.196356	1.92E-05	0.122044	0.00829	0.060447	0.19225	0.028553
-0.22145	1.34E-06	-0.07648	0.09879	-0.09278	0.04508	-0.12095	0.00889	-0.21247
-0.26532	5.78E-09	-0.03756	0.41811	-0.12052	0.00913	-0.14528	0.00165	-0.27161
0.072984	0.11524	0.390992	1.65E-18	0.314113	3.75E-12	0.1138	0.01387	0.128461
0.374491	5.39E-17	0.186269	5.12E-05	0.346389	1.31E-14	0.176523	0.00013	0.22878
-0.04069	0.38034	0.288947	1.97E-10	0.178805	0.0001	0.068599	0.13882	0.038262
-0.04871	0.29354	0.195324	2.13E-05	0.12811	0.00556	-0.08767	0.05835	-0.06397
-0.08449	0.06811	0.002074	0.96434	-0.03768	0.41663	0.071937	0.12056	-0.033
-0.04616	0.31955	0.236175	2.43E-07	0.136894	0.00303	0.030865	0.50581	0.037769
0.078005	0.09223	0.17969	9.44E-05	0.136345	0.00315	-0.01847	0.6906	-0.18583
-0.05561	0.23038	0.272917	2.02E-09	0.099057	0.03234	0.066656	0.15038	0.155114
-0.0016	0.97243	0.389424	2.32E-18	0.184552	6.02E-05	0.077128	0.09596	0.119971
0.1033	0.02559	0.47775	5.30E-28	0.361508	7.28E-16	0.057071	0.21832	0.060966
-0.15261	0.00094	0.018571	0.68895	-0.01514	0.74418	-0.09208	0.04673	-0.26708
0.025039	0.58938	0.080959	0.08051	0.07851	0.09014	-0.04209	0.36413	-0.32213
0.091998	0.04693	-0.32893	3.03E-13	-0.14709	0.00144	-0.16321	0.0004	-0.26137
0.091999	0.04692	0.117756	0.01087	0.266991	4.60E-09	-0.02532	0.58524	0.046895
0.130374	0.00477	0.35903	1.18E-15	0.200613	1.25E-05	0.092339	0.04611	0.098657
0.162205	0.00043	0.416502	5.08E-21	0.25825	1.49E-08	0.117571	0.011	0.047466
0.163396	0.00039	0.460253	7.33E-26	0.245289	7.93E-08	0.257992	1.55E-08	0.32055
0.064447	0.1644	0.238449	1.84E-07	0.126008	0.0064	0.113728	0.01393	0.049466
0.130155	0.00485	0.405883	6.00E-20	0.346785	1.21E-14	0.118349	0.01048	0.084731
0.286292	2.93E-10	0.542196	4.81E-37	0.5382	2.00E-36	0.282553	5.07E-10	0.16102
-0.02485	0.59214	-0.12686	0.00605	0.073594	0.11222	-0.01582	0.73314	0.015266
-0.40704	4.61E-20	-0.2296	5.29E-07	-0.2503	4.20E-08	-0.27545	1.41E-09	-0.29844

0.081443	0.07871	0.247145	6.28E-08	0.182437	7.33E-05	0.031449	0.49779	-0.08026
0.159757	0.00053	0.081296	0.07926	0.082694	0.07421	0.005741	0.90152	-0.16541
-0.1546	0.0008	0.160328	0.00051	0.03553	0.44368	-0.0262	0.57229	0.027034
0.126143	0.00634	0.359517	1.07E-15	0.280326	7.02E-10	0.085172	0.06592	0.193636
0.0101	0.82768	0.161996	0.00044	0.073203	0.11415	0.069375	0.1344	0.183775
0.15621	0.00071	0.228595	5.94E-07	0.231218	4.37E-07	0.037384	0.42024	-0.12922
0.013196	0.77608	0.317488	2.14E-12	0.164504	0.00036	0.052247	0.25982	-0.04816
-0.11936	0.00983	-0.2845	3.81E-10	-0.26667	4.81E-09	-0.06127	0.18625	-0.28579
0.278486	9.15E-10	0.61574	4.45E-50	0.506161	9.44E-32	0.30084	3.18E-11	0.349303
0.002863	0.95079	0.250297	4.21E-08	0.147106	0.00143	0.056374	0.22401	0.039237
-0.11553	0.01248	0.214064	3.04E-06	0.114594	0.01322	0.044329	0.33914	0.004414
0.286905	2.67E-10	-0.00511	0.91231	0.16913	0.00024	0.182951	6.99E-05	0.29291
0.038398	0.40774	0.087145	0.05987	0.021929	0.63645	0.070291	0.12932	-0.16956
0.067513	0.14519	-0.27604	1.30E-09	-0.20915	5.16E-06	-0.06081	0.1896	-0.01415
-0.00284	0.95113	0.051488	0.26682	0.067296	0.14649	-0.13009	0.00487	-0.24397
0.17985	9.30E-05	0.257755	1.60E-08	0.218988	1.77E-06	0.17374	0.00016	0.075235
0.046007	0.32115	0.364237	4.25E-16	0.210241	4.59E-06	0.125043	0.00682	0.054383
-0.07948	0.08622	0.22178	1.30E-06	0.157409	0.00064	0.103145	0.02582	0.094167
0.153042	0.00091	0.414507	8.14E-21	0.378536	2.34E-17	0.097389	0.03538	0.200818
-0.19724	1.76E-05	0.010816	0.81567	-0.08044	0.08248	-0.04742	0.30653	-0.21799
-0.13797	0.00281	0.11754	0.01102	0.069197	0.1354	-0.01432	0.75759	-0.16554
-0.03052	0.51062	0.031623	0.49541	0.038926	0.40132	0.023	0.62005	-0.17816
0.073355	0.1134	0.409933	2.37E-20	0.306896	1.21E-11	0.15758	0.00063	0.359842
-0.08505	0.0663	0.264813	6.20E-09	0.123978	0.00731	0.052421	0.25824	0.020039
0.096326	0.03744	0.265141	5.93E-09	0.267955	4.03E-09	-0.00653	0.88812	-0.08684
0.07093	0.12586	0.112111	0.01535	0.132256	0.0042	0.029212	0.52888	-0.25858
0.018051	0.69722	0.200228	1.30E-05	0.14855	0.00128	0.036181	0.43537	-0.1101
-0.01179	0.79938	0.194402	2.33E-05	0.089343	0.05368	-0.01413	0.76074	-0.12538
0.268336	3.82E-09	0.437351	3.07E-23	0.287592	2.41E-10	0.139577	0.0025	-0.00636
-0.09114	0.04902	0.067044	0.14802	0.015993	0.73032	-0.06641	0.15191	-0.06335
0.009889	0.83122	0.311319	5.93E-12	0.379063	2.09E-17	0.014564	0.75359	-0.0006
-0.08829	0.05658	0.368872	1.69E-16	0.170654	0.00021	0.082778	0.07392	0.265762
-0.01812	0.69614	0.263923	6.99E-09	0.183811	6.45E-05	-0.05522	0.23362	-0.15165
-0.09803	0.03419	0.178682	0.0001	0.113086	0.01448	-0.00904	0.84547	-0.05895
-0.03731	0.42115	0.039206	0.39794	0.095132	0.03988	-0.29481	8.10E-11	-0.28172
0.040864	0.37828	0.314628	3.44E-12	0.187002	4.78E-05	0.03739	0.42017	0.008168
0.151432	0.00103	0.340107	4.14E-14	0.299532	3.90E-11	0.157942	0.00061	0.18752
0.021754	0.63914	0.26579	5.42E-09	0.173453	0.00017	-0.00144	0.9753	0.021674
0.024217	0.60166	0.211553	3.99E-06	0.164966	0.00034	0.020965	0.65134	0.005329
0.055383	0.23227	0.194114	2.40E-05	0.133539	0.00384	0.050113	0.27982	-0.03432
0.143458	0.00188	0.35076	5.76E-15	0.267964	4.03E-09	0.157205	0.00065	0.234105
-0.1313	0.00448	-0.40423	8.74E-20	-0.27651	1.21E-09	-0.32851	3.26E-13	-0.37326
0.15517	0.00077	0.435601	4.78E-23	0.366243	2.86E-16	0.034331	0.45922	0.076933
0.248632	5.20E-08	0.518255	1.86E-33	0.48674	3.77E-29	0.175622	0.00014	0.288327
0.109575	0.01785	0.268791	3.59E-09	0.235016	2.79E-07	0.183673	6.54E-05	0.198701

0.134795	0.00352	0.332867	1.52E-13	0.227997	6.37E-07	0.291247	1.39E-10	0.411582
0.071622	0.1222	0.34425	1.94E-14	0.323307	8.00E-13	0.169997	0.00022	0.164838
-0.12544	0.00664	0.253793	2.68E-08	0.18566	5.42E-05	0.03759	0.4177	0.059552
0.27654	1.21E-09	0.325646	5.35E-13	0.30914	8.45E-12	0.188026	4.33E-05	0.128902
-0.12344	0.00757	0.06761	0.14461	0.044011	0.34263	-0.09269	0.04528	-0.18781
0.202334	1.05E-05	0.394237	8.15E-19	0.412833	1.20E-20	0.229739	5.20E-07	0.192161
0.079504	0.08612	0.275074	1.49E-09	0.174438	0.00015	0.226633	7.46E-07	0.464901
0.300242	3.49E-11	0.232729	3.66E-07	0.115209	0.01273	0.306547	1.28E-11	0.106715
0.00018	0.9969	0.288106	2.23E-10	0.261575	9.60E-09	-0.01949	0.67441	-0.04587
0.301645	2.80E-11	0.340266	4.02E-14	0.382513	1.02E-17	0.144171	0.00179	-0.04484
0.170946	0.00021	-0.03188	0.49195	0.084851	0.06695	-0.10785	0.01974	-0.05627
0.014421	0.75594	0.289711	1.76E-10	0.139344	0.00255	-0.0164	0.72365	-0.03055
0.124502	0.00706	0.310699	6.56E-12	0.211805	3.89E-06	0.008403	0.85628	-0.09801
0.11643	0.01181	0.263824	7.09E-09	0.004783	0.9179	0.18517	5.68E-05	0.359013
-0.07094	0.1258	0.037352	0.42065	0.069127	0.13579	-0.03855	0.40594	-0.24029
0.253582	2.75E-08	0.423322	9.94E-22	0.35196	4.59E-15	0.106539	0.02129	0.042605
-0.03638	0.4328	0.19163	3.06E-05	0.123434	0.00757	0.037449	0.41944	-0.02991
0.097218	0.03571	0.192106	2.92E-05	0.117435	0.01109	-0.05376	0.24627	-0.21835
-0.17294	0.00017	-0.04138	0.37222	-0.12283	0.00788	-0.1111	0.01631	-0.16281
-0.06875	0.13793	-0.22715	7.03E-07	-0.3545	2.83E-15	0.068849	0.13738	0.201486
-0.04213	0.36367	0.364739	3.85E-16	0.230995	4.49E-07	0.112208	0.01527	0.130885
-0.02983	0.52013	0.110528	0.01687	0.065137	0.15992	0.022878	0.62192	-0.06227
-0.01212	0.79399	0.305172	1.60E-11	0.198901	1.49E-05	0.02419	0.60206	0.038277
0.05227	0.25961	0.261797	9.31E-09	0.247312	6.15E-08	0.069431	0.13408	0.033279
-0.13395	0.00373	0.094318	0.04162	-0.0088	0.84956	0.080045	0.084	0.062665
0.009952	0.83015	0.443707	6.01E-24	0.337091	7.14E-14	0.149427	0.0012	0.160829
-0.02272	0.62434	0.220573	1.48E-06	0.102435	0.02686	0.049891	0.28195	0.067478
0.324814	6.18E-13	0.405066	7.23E-20	0.252218	3.29E-08	0.293546	9.82E-11	0.173248
0.044688	0.33525	0.35855	1.30E-15	0.222587	1.18E-06	0.091317	0.04859	0.143212
-0.20159	1.13E-05	-0.52116	7.05E-34	-0.44174	9.98E-24	-0.22068	1.47E-06	-0.16418
0.37168	9.56E-17	0.594506	5.74E-46	0.426949	4.11E-22	0.279221	8.23E-10	0.287446
-0.04707	0.31005	0.088164	0.05693	0.111516	0.01591	0.039592	0.39331	-0.02382
-0.04538	0.3278	0.141775	0.00213	0.080471	0.08236	0.038196	0.41022	-0.00793
-0.04421	0.34048	0.207296	6.28E-06	0.128398	0.00546	0.027933	0.54708	-0.05489
-0.00438	0.92473	0.146472	0.0015	0.105025	0.02322	-0.06313	0.17324	-0.07287
-0.0117	0.80085	0.09477	0.04065	0.119698	0.00962	-0.01601	0.73008	-0.08523
0.05151	0.26661	0.220823	1.44E-06	0.224733	9.28E-07	0.014606	0.7529	-0.11994
0.268729	3.62E-09	-0.00834	0.8573	0.120731	0.00901	0.028155	0.54391	-0.04936
-0.21697	2.22E-06	-0.00687	0.88227	0.017493	0.70614	-0.16636	0.00031	-0.24674
0.072297	0.11871	0.002867	0.95073	-0.20607	7.14E-06	0.084027	0.06965	0.303274
0.083982	0.0698	0.462152	4.35E-26	0.340712	3.71E-14	0.221556	1.33E-06	0.321912
-0.04055	0.38197	0.285102	3.49E-10	0.149058	0.00124	0.139634	0.00249	0.239162
0.156389	0.0007	0.260252	1.15E-08	0.221514	1.34E-06	0.021222	0.64736	-0.05623
-0.08916	0.05418	-0.07479	0.10648	-0.10756	0.02008	-0.10679	0.02099	-0.3141
0.039676	0.39231	0.420174	2.12E-21	0.250174	4.27E-08	0.114751	0.01309	0.111853

0.139356	0.00254	-0.02566	0.58013	-0.0252	0.587	0.086029	0.06323	0.132558
-0.09168	0.04769	0.141097	0.00224	0.006899	0.88181	-0.08246	0.07504	-0.08235
0.144129	0.00179	0.338992	5.07E-14	0.283288	4.56E-10	0.070777	0.12668	-0.00064
0.281151	6.23E-10	0.479094	3.59E-28	0.394727	7.31E-19	0.430809	1.58E-22	0.433673
-0.08054	0.08208	-0.0056	0.90393	-0.02381	0.60783	-0.10506	0.02317	-0.30621
0.242877	1.07E-07	0.443344	6.61E-24	0.443682	6.05E-24	0.191039	3.24E-05	0.131489
-0.03059	0.50961	0.147701	0.00137	0.199175	1.45E-05	-0.20584	7.31E-06	-0.18637
0.05365	0.24722	0.405597	6.41E-20	0.386029	4.82E-18	0.134084	0.0037	0.087804
0.223476	1.07E-06	-0.13385	0.00376	-0.05919	0.20165	0.227275	6.93E-07	0.209615
0.072379	0.11829	0.284098	4.05E-10	0.183816	6.45E-05	0.193033	2.67E-05	0.189647
0.044874	0.33323	0.276317	1.25E-09	0.220091	1.57E-06	0.234561	2.94E-07	0.221217
0.148506	0.00129	0.386532	4.33E-18	0.2997	3.80E-11	0.176804	0.00012	0.320882
-0.06073	0.19019	-0.14354	0.00187	-0.0757	0.10228	-0.1858	5.36E-05	-0.0475
0.159815	0.00053	0.318294	1.87E-12	0.222975	1.13E-06	0.087149	0.05986	0.037822
-0.01333	0.77381	-0.23018	4.94E-07	-0.30961	7.83E-12	0.039631	0.39284	0.111221
-0.20343	9.39E-06	0.045482	0.32672	-0.00657	0.88743	-0.11098	0.01643	-0.20974
0.19657	1.88E-05	0.441975	9.41E-24	0.368897	1.68E-16	0.242164	1.17E-07	0.223147
0.045782	0.32354	0.210103	4.66E-06	0.073388	0.11323	0.048872	0.29191	0.094419
0.184999	5.77E-05	0.348827	8.28E-15	0.297864	5.05E-11	0.121896	0.00836	0.124251
0.251793	3.47E-08	0.225625	8.38E-07	0.283237	4.59E-10	0.163792	0.00038	0.102695
0.239806	1.56E-07	0.461122	5.78E-26	0.445659	3.62E-24	0.175772	0.00013	0.125791
0.243027	1.05E-07	0.368495	1.82E-16	0.313088	4.44E-12	0.186459	5.03E-05	0.214042
0.016544	0.7214	0.312082	5.23E-12	0.225125	8.87E-07	0.014721	0.75102	-0.01682
0.095238	0.03966	0.412452	1.32E-20	0.294774	8.14E-11	0.089527	0.05319	0.118643
0.008224	0.85931	0.216287	2.39E-06	0.170665	0.00021	-0.0103	0.82428	0.009102
0.03425	0.46028	0.18507	5.73E-05	0.222776	1.16E-06	-0.00846	0.85526	-0.08673
0.049488	0.28587	0.125646	0.00655	0.16313	0.0004	-0.00414	0.92887	-0.04303
0.142259	0.00206	0.370421	1.23E-16	0.434066	7.03E-23	0.120497	0.00915	0.072075
0.112528	0.01498	0.404373	8.47E-20	0.388207	3.02E-18	0.097707	0.03478	0.038759
0.124261	0.00718	0.386774	4.11E-18	0.416819	4.72E-21	0.089523	0.0532	0.014322
0.14437	0.00176	0.436963	3.39E-23	0.499045	8.85E-31	0.101973	0.02756	0.095814
0.113688	0.01396	0.413604	1.01E-20	0.436347	3.96E-23	0.105299	0.02286	0.10934
0.120622	0.00908	0.312037	5.27E-12	0.390227	1.95E-18	0.029681	0.52228	0.062462
0.217147	2.17E-06	0.357211	1.68E-15	0.425332	6.10E-22	0.117534	0.01102	0.123358
0.176616	0.00012	0.307199	1.16E-11	0.323477	7.77E-13	0.092126	0.04662	0.110952
0.205663	7.45E-06	0.294378	8.65E-11	0.41836	3.27E-21	0.104389	0.02407	0.059478
0.078538	0.09002	-0.15381	0.00085	-0.03889	0.40176	-0.14696	0.00145	-0.03026
0.130846	0.00462	0.430257	1.82E-22	0.414261	8.62E-21	0.226642	7.45E-07	0.180025
0.001857	0.96807	0.348794	8.33E-15	0.213284	3.31E-06	0.064596	0.16343	0.164951
-0.09287	0.04486	0.126815	0.00607	0.064672	0.16293	-0.02804	0.54562	-0.1152
0.00837	0.85683	0.209458	4.99E-06	0.137412	0.00292	0.047652	0.30414	0.005466
-0.0824	0.07526	0.221029	1.41E-06	0.138207	0.00276	0.010544	0.82022	-0.02252
0.179604	9.51E-05	0.558596	1.13E-39	0.458084	1.32E-25	0.289333	1.86E-10	0.310082
0.116677	0.01163	0.439193	1.92E-23	0.370232	1.28E-16	0.123599	0.00749	0.103548
0.110875	0.01653	0.444099	5.43E-24	0.310759	6.50E-12	0.214768	2.82E-06	0.225104

0.201141	1.19E-05	0.486683	3.83E-29	0.324866	6.12E-13	0.206837	6.59E-06	0.382483
0.085528	0.06479	0.396221	5.26E-19	0.303642	2.04E-11	0.191565	3.08E-05	0.185327
0.142278	0.00206	0.223811	1.03E-06	0.108903	0.01857	0.21305	3.40E-06	0.076129
0.303609	2.05E-11	-0.05026	0.27838	-0.07187	0.12089	0.165436	0.00033	0.242383
0.235399	2.66E-07	0.516044	3.85E-33	0.35503	2.56E-15	0.239218	1.68E-07	0.403467
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-0.00528	0.90942	0.253654	2.73E-08	0.175384	0.00014	0.079647	0.08556	0.012325
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0.027708	0.55032	0.163934	0.00037	0.134512	0.00359	-0.11732	0.01117	-0.14671
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0.095248	0.03964	0.263934	6.98E-09	0.167473	0.00028	0.172086	0.00019	0.168982
-0.00792	0.86449	0.230175	4.94E-07	0.13937	0.00254	0.053738	0.24645	-0.02572
-0.05137	0.26795	0.270687	2.76E-09	0.257133	1.73E-08	0.037845	0.41454	0.066804
0.321418	1.10E-12	0.162079	0.00044	0.164182	0.00037	0.130331	0.00479	-0.01157
0.026459	0.56844	0.347597	1.04E-14	0.26359	7.31E-09	0.070743	0.12686	0.04097
-0.04511	0.33073	-0.13357	0.00383	-0.05388	0.24521	-0.04775	0.30312	-0.34319
0.038616	0.40509	0.145133	0.00166	0.055972	0.22733	0.086535	0.06169	-0.02975
0.059816	0.19694	0.207455	6.17E-06	0.203883	8.96E-06	0.078831	0.08883	0.016757
0.181275	8.16E-05	0.39371	9.14E-19	0.350468	6.08E-15	-0.00128	0.97796	0.100615
0.219399	1.69E-06	-0.04759	0.30476	0.081058	0.08014	0.18293	7.00E-05	-0.0006
0.141471	0.00218	-0.16928	0.00024	-0.10688	0.02088	0.07881	0.08891	0.068149
0.279031	8.46E-10	-0.22305	1.12E-06	-0.10192	0.02764	0.088113	0.05707	0.036254
0.034036	0.46309	0.26255	8.42E-09	0.172425	0.00018	0.095803	0.0385	0.026594
-0.11551	0.0125	0.06267	0.17637	-0.13143	0.00444	0.004553	0.92184	-0.11897
-0.09867	0.03303	0.122495	0.00805	0.047612	0.30455	-0.00421	0.92765	-0.08849
-0.03323	0.47373	-0.29552	7.26E-11	-0.20391	8.94E-06	0.013722	0.76742	0.008309
0.176146	0.00013	0.420175	2.12E-21	0.380237	1.64E-17	0.193531	2.54E-05	0.168644
-0.20247	1.04E-05	0.118099	0.01064	0.036494	0.4314	-0.01001	0.8292	-0.10902
0.107352	0.02032	0.437746	2.78E-23	0.361743	6.95E-16	0.174502	0.00015	0.116991
-0.07384	0.11103	0.15901	0.00056	0.089884	0.05224	-0.02368	0.60977	-0.05561
-0.03732	0.42099	0.116467	0.01178	0.091016	0.04933	-0.03943	0.39524	-0.16402
0.029586	0.52361	0.297109	5.68E-11	0.202957	9.86E-06	0.061163	0.18702	0.009781
0.112209	0.01527	0.358031	1.43E-15	0.373292	6.89E-17	0.097122	0.03589	0.104135
0.120322	0.00925	0.207091	6.41E-06	0.130193	0.00483	-0.04251	0.3593	0.150132
-0.19264	2.78E-05	0.077743	0.09333	0.038459	0.40699	-0.09199	0.04695	-0.12478
0.011386	0.80614	-0.24387	9.46E-08	-0.07748	0.09445	-0.04822	0.29841	-0.09501
-0.04197	0.36554	0.228193	6.23E-07	0.1607	0.00049	0.167273	0.00028	0.080908
0.352396	4.22E-15	0.617274	2.19E-50	0.456397	2.09E-25	0.408858	3.03E-20	0.386083
-0.17074	0.00021	0.01525	0.74239	0.142154	0.00207	-0.14156	0.00217	-0.2688
0.323977	7.13E-13	0.698381	1.51E-69	0.559757	7.28E-40	0.322831	8.67E-13	0.406267
-0.18944	3.79E-05	0.094025	0.04226	-0.10806	0.0195	-0.00483	0.91704	0.083778
0.143011	0.00195	-0.34976	6.96E-15	-0.15065	0.00109	-0.09706	0.036	-0.06585
0.050428	0.27681	0.193936	2.44E-05	0.155359	0.00075	-0.0109	0.81424	-0.07215
0.092287	0.04623	0.47971	3.00E-28	0.39451	7.67E-19	0.162867	0.00041	0.379844
-0.2201	1.57E-06	0.147298	0.00141	0.070225	0.12968	-0.07414	0.10956	-0.12691

-0.00298	0.94871	0.155167	0.00077	0.146153	0.00154	-0.02296	0.6207	-0.01165
0.05956	0.19886	0.364069	4.40E-16	0.263287	7.62E-09	0.071576	0.12244	0.06776
0.09903	0.03239	-0.11646	0.01178	0.020843	0.65324	-0.12206	0.00827	-0.13976
0.122873	0.00785	0.440024	1.55E-23	0.348977	8.05E-15	0.113231	0.01435	0.176308
-0.16239	0.00043	0.128624	0.00537	0.086938	0.06048	-0.01534	0.741	-0.05576
-0.19955	1.40E-05	0.08498	0.06653	0.007058	0.87909	-0.06192	0.18163	-0.08723
0.007014	0.87984	0.343422	2.26E-14	0.216025	2.46E-06	0.133093	0.00396	0.113914
-0.04179	0.36753	-0.32315	8.21E-13	-0.25976	1.22E-08	-0.02412	0.60311	-0.15663
0.007013	0.87986	0.234583	2.94E-07	0.17144	0.0002	0.050862	0.27268	-0.02327
0.159028	0.00056	0.512008	1.44E-32	0.382796	9.57E-18	0.146416	0.00151	0.214968
-0.08591	0.06361	0.254887	2.32E-08	0.235922	2.50E-07	0.062286	0.17904	0.002225
0.19779	1.67E-05	0.420358	2.03E-21	0.379217	2.03E-17	0.124736	0.00696	0.251678
0.027976	0.54647	0.24853	5.27E-08	0.167751	0.00027	0.172443	0.00018	0.050186
-0.2056	7.50E-06	-0.41283	1.21E-20	-0.29719	5.61E-11	-0.32791	3.62E-13	-0.20771
-0.09961	0.03138	0.005624	0.90352	-0.00433	0.92557	-0.18478	5.89E-05	-0.32367
-0.04749	0.30582	0.161926	0.00044	0.165539	0.00033	-0.05775	0.21291	-0.14997
0.072075	0.11985	-0.19736	1.74E-05	-0.16301	0.0004	0.029761	0.52116	-0.11553
0.149013	0.00124	-0.3244	6.63E-13	-0.29772	5.17E-11	-0.07852	0.0901	-0.11836
0.151824	0.001	0.008993	0.84632	0.098831	0.03274	0.029785	0.52082	-0.17906
-0.14996	0.00115	0.147447	0.0014	0.035468	0.44448	-0.02828	0.54205	-0.05935
0.028494	0.53906	-0.40085	1.88E-19	-0.16281	0.00041	-0.12005	0.00941	-0.18916
0.239328	1.66E-07	0.367219	2.35E-16	0.317364	2.18E-12	0.204286	8.59E-06	0.152496
-0.0521	0.26121	0.199345	1.43E-05	0.149573	0.00119	0.040467	0.38293	-0.10807
-0.10714	0.02057	0.133085	0.00396	0.084045	0.06959	-0.08339	0.0718	-0.17309
0.117832	0.01082	0.089824	0.0524	0.122045	0.00829	0.102184	0.02724	0.05896
-0.04622	0.31891	0.147127	0.00143	0.147973	0.00134	-0.04814	0.29922	-0.1807
0.067416	0.14577	0.385783	5.07E-18	0.299414	3.97E-11	0.194984	2.20E-05	0.16081
0.083358	0.07191	0.440995	1.21E-23	0.34829	9.16E-15	0.186135	5.19E-05	0.178047
-0.16116	0.00047	-0.0031	0.94666	-0.11663	0.01166	-0.0556	0.23044	-0.23937
-0.38451	6.66E-18	-0.19489	2.23E-05	-0.30726	1.15E-11	-0.22031	1.53E-06	-0.28852
0.089256	0.05392	0.089577	0.05305	0.074576	0.1075	0.106034	0.02192	-0.0997
0.077281	0.0953	0.367832	2.08E-16	0.272621	2.11E-09	0.067831	0.1433	0.106419
0.080886	0.08079	-0.09419	0.04191	-0.09609	0.03792	0.009519	0.83745	0.042591
0.230675	4.66E-07	0.32578	5.23E-13	0.383845	7.66E-18	-0.04721	0.30867	-0.11659
0.213618	3.20E-06	0.506921	7.40E-32	0.396215	5.27E-19	0.12805	0.00559	0.153726
-0.01018	0.82632	0.260341	1.13E-08	0.164768	0.00035	0.073694	0.11174	0.010871
-0.09523	0.03968	0.170668	0.00021	0.111606	0.01583	0.008092	0.86156	-0.06062
0.138244	0.00275	0.342332	2.76E-14	0.216394	2.36E-06	0.123262	0.00766	0.048643
0.003983	0.9316	0.405858	6.04E-20	0.273612	1.83E-09	0.093758	0.04285	0.131189
0.114842	0.01302	0.124479	0.00708	0.148769	0.00126	-0.0879	0.05767	-0.18798
0.222767	1.16E-06	0.413794	9.62E-21	0.328313	3.37E-13	0.228612	5.93E-07	0.077962
0.19389	2.46E-05	0.352115	4.46E-15	0.298425	4.63E-11	0.131805	0.00433	0.196191
0.08842	0.05621	-0.15173	0.001	-0.0444	0.33841	-0.05848	0.20713	0.093359
-0.36378	4.65E-16	-0.16556	0.00033	-0.2166	2.31E-06	-0.28204	5.47E-10	-0.3431
0.316024	2.73E-12	-0.08038	0.0827	0.063597	0.17005	0.107337	0.02034	0.11958

0.231435	4.26E-07	0.426988	4.07E-22	0.35895	1.20E-15	0.195021	2.20E-05	0.0745
0.067065	0.14789	0.412613	1.27E-20	0.2925	1.15E-10	0.132867	0.00402	0.126448
-0.05903	0.20292	0.162418	0.00043	0.119835	0.00954	-0.00204	0.96485	-0.01427
0.107269	0.02042	0.431553	1.32E-22	0.349936	6.72E-15	0.245089	8.13E-08	0.351568
0.056184	0.22557	0.199999	1.33E-05	0.153981	0.00084	0.090332	0.05108	-0.03594
0.175227	0.00014	0.342144	2.86E-14	0.260612	1.09E-08	0.099594	0.03141	-0.03496
0.022679	0.62495	0.167193	0.00028	0.176094	0.00013	-0.02299	0.62024	0.015635
-0.15466	0.0008	0.083752	0.07057	-0.06144	0.18503	-0.05435	0.2411	-0.05074
0.173098	0.00017	0.469342	5.87E-27	0.32784	3.66E-13	0.135124	0.00344	0.176545
-0.01138	0.80618	-0.11799	0.01071	-0.11131	0.01611	0.015496	0.73839	0.150069
0.036543	0.43079	0.232745	3.65E-07	0.25866	1.42E-08	0.038484	0.40669	-0.04749
0.046806	0.31282	0.230831	4.58E-07	0.174602	0.00015	0.159784	0.00053	0.176549
-0.0654	0.15826	-0.25971	1.23E-08	-0.19411	2.40E-05	-0.00048	0.99168	-0.07325
-0.18316	6.85E-05	-0.43004	1.92E-22	-0.32309	8.30E-13	-0.16401	0.00037	-0.2677
0.052015	0.26195	0.272767	2.06E-09	0.239974	1.53E-07	-0.0273	0.55614	-0.07734
-0.14342	0.00189	0.041149	0.37496	-0.13963	0.00249	-0.00796	0.86385	-0.08161
-0.04714	0.30939	0.197756	1.67E-05	0.083819	0.07034	0.055135	0.23437	-0.05725
0.152854	0.00092	0.379248	2.01E-17	0.25599	2.01E-08	0.356658	1.87E-15	0.293432
0.142957	0.00196	0.282201	5.34E-10	0.207737	5.99E-06	0.156635	0.00068	0.1533
0.085369	0.06529	0.225048	8.95E-07	0.167012	0.00029	0.054001	0.24414	-0.04877
0.115492	0.01251	0.40708	4.57E-20	0.324079	7.01E-13	0.062968	0.17432	0.196746
-0.00355	0.93901	0.113897	0.01379	0.069189	0.13544	-0.06968	0.13268	-0.20641
-0.16321	0.0004	0.087588	0.05858	-0.01404	0.76219	-0.10892	0.01855	-0.19328
0.208239	5.68E-06	0.309781	7.62E-12	0.303424	2.11E-11	0.242349	1.14E-07	0.229628
-0.09293	0.04472	0.074	0.11025	0.035246	0.44734	0.026486	0.56805	0.008968
0.068152	0.14142	0.288426	2.13E-10	0.256357	1.92E-08	0.116204	0.01197	0.052241
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-0.10299	0.02604	0.048303	0.29758	0.060535	0.1916	-0.05506	0.23497	-0.11862
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0.04703	0.3105	0.293845	9.38E-11	0.298534	4.55E-11	0.085983	0.06337	0.24679
0.008754	0.85034	0.287541	2.43E-10	0.195627	2.07E-05	0.057416	0.21554	0.034951
-0.01281	0.78242	0.171396	0.0002	0.023437	0.61343	0.044647	0.33569	0.057503
0.02007	0.6653	0.337295	6.88E-14	0.214957	2.76E-06	0.107967	0.01961	0.087444
0.01035	0.82347	0.238692	1.79E-07	0.195347	2.13E-05	0.056806	0.22046	-0.08158
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0.028009	0.54599	0.212244	3.71E-06	0.051832	0.26364	0.212153	3.74E-06	0.100234
0.318234	1.89E-12	0.548026	5.81E-38	0.521267	6.81E-34	0.292134	1.22E-10	0.197529
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0.196763	1.85E-05	0.336343	8.17E-14	0.307882	1.04E-11	0.243684	9.69E-08	0.109866
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0.118353	0.01047	0.258264	1.49E-08	0.237201	2.14E-07	0.037943	0.41332	0.047732
0.060945	0.18861	0.235618	2.59E-07	0.165243	0.00034	0.080642	0.08171	0.248621
-0.13217	0.00422	0.088206	0.05681	0.01655	0.7213	-0.03211	0.4888	-0.1476
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0.215725	2.54E-06	-0.23558	2.61E-07	-0.12811	0.00556	0.076573	0.09838	0.024917



-0.02037	0.66065	0.114856	0.01301	0.056552	0.22254	-0.02741	0.55455	-0.12923
0.230033	5.03E-07	-0.06452	0.16395	0.037855	0.41442	-0.03573	0.44115	-0.03892
0.151212	0.00105	0.270354	2.89E-09	0.323688	7.49E-13	0.040377	0.38399	0.014967
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0.532128	1.68E-35	0.708219	2.57E-72	0.614547	7.73E-50	0.377887	2.67E-17	0.399622
0.162853	0.00041	0.393918	8.74E-19	0.33033	2.37E-13	0.140477	0.00234	0.16404
0.005036	0.91356	0.186267	5.12E-05	0.131016	0.00457	0.045397	0.32762	0.03141
-0.25086	3.91E-08	-0.07253	0.11753	-0.1125	0.015	-0.19428	2.36E-05	-0.27008
0.07275	0.11641	0.34764	1.03E-14	0.193812	2.47E-05	0.167848	0.00027	0.080762
0.057721	0.21311	0.280239	7.11E-10	0.168356	0.00026	0.0655	0.1576	0.108377
0.21527	2.67E-06	0.480588	2.32E-28	0.368282	1.90E-16	0.237472	2.07E-07	0.073825
0.062208	0.17959	0.102198	0.02722	0.069918	0.13137	0.032251	0.48689	-0.18029
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0.186052	5.23E-05	0.538397	1.86E-36	0.414709	7.76E-21	0.226102	7.93E-07	0.269278
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0.078557	0.08994	0.240436	1.45E-07	0.244897	8.33E-08	0.030778	0.50701	0.012621
0.035212	0.44777	0.312584	4.82E-12	0.265886	5.35E-09	0.054156	0.24279	-0.00589
0.003371	0.94208	0.201417	1.15E-05	0.119578	0.0097	0.021185	0.64793	0.027752
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0.002758	0.9526	0.356736	1.84E-15	0.265218	5.86E-09	0.125599	0.00657	0.200497
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0.097026	0.03607	0.354529	2.81E-15	0.272819	2.05E-09	0.210466	4.49E-06	0.18965
0.273225	1.93E-09	0.580263	2.24E-43	0.469425	5.74E-27	0.275663	1.37E-09	0.20592
0.496834	1.76E-30	0.61059	4.72E-49	0.59571	3.42E-46	0.34657	1.26E-14	0.262006
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0.026653	0.56561	0.255665	2.10E-08	0.151425	0.00103	0.081908	0.07701	0.191984
0.040321	0.38465	0.358867	1.22E-15	0.194391	2.34E-05	0.200047	1.33E-05	0.329626
0.12417	0.00722	0.047238	0.30837	0.124069	0.00727	0.086055	0.06315	0.424045
0.108318	0.01921	0.493863	4.38E-30	0.401906	1.48E-19	0.141144	0.00223	0.160071
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0.040096	0.38731	0.091974	0.04698	0.058742	0.20511	0.106409	0.02145	-0.03555
0.133916	0.00374	0.346971	1.17E-14	0.276981	1.14E-09	0.067234	0.14687	0.100844
0.239565	1.61E-07	0.453037	5.16E-25	0.391036	1.64E-18	0.060336	0.19307	0.087825
0.122298	0.00815	0.436236	4.07E-23	0.327643	3.79E-13	0.16488	0.00035	0.003003
0.103307	0.02558	0.311681	5.59E-12	0.178457	0.00011	0.197524	1.71E-05	0.179589
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0.023377	0.61434	-0.2484	5.35E-08	-0.22434	9.70E-07	-0.12273	0.00793	-0.01763
0.039832	0.39045	0.361264	7.64E-16	0.250851	3.92E-08	0.085074	0.06623	0.063037
-0.04883	0.29228	0.274209	1.68E-09	0.111332	0.01609	0.065908	0.15502	0.046083
0.006169	0.89422	0.459911	8.05E-26	0.342726	2.57E-14	0.105795	0.02222	0.137636
0.195169	2.16E-05	0.345239	1.62E-14	0.292423	1.17E-10	0.158032	0.00061	0.01021
0.144839	0.0017	0.467424	1.01E-26	0.346996	1.17E-14	0.255012	2.29E-08	0.417526
0.034687	0.45458	0.106503	0.02134	0.118386	0.01045	-0.00945	0.83858	-0.16607

0.049255	0.28814	0.314886	3.30E-12	0.205439	7.62E-06	-0.04955	0.28521	0.025898
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0.187745	4.45E-05	0.349675	7.06E-15	0.304137	1.89E-11	0.133123	0.00395	0.115876
-0.1042	0.02433	0.040651	0.38077	0.003642	0.93744	-0.15313	0.0009	-0.25837
0.006368	0.89084	0.189922	3.61E-05	0.173824	0.00016	0.171273	0.0002	0.168418
0.156682	0.00068	0.069773	0.13217	0.04951	0.28566	0.424867	6.83E-22	-0.09605
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0.273758	1.79E-09	0.139261	0.00256	0.199997	1.33E-05	0.005185	0.91103	0.306228
0.034272	0.46	0.315012	3.23E-12	0.25026	4.23E-08	-0.00246	0.9577	-0.04239
0.075146	0.10483	0.019765	0.6701	0.031247	0.50056	0.020532	0.65809	-0.22561
0.132156	0.00423	0.223379	1.08E-06	0.278851	8.68E-10	0.01935	0.67662	-0.19525
0.126328	0.00626	-0.27252	2.14E-09	-0.23823	1.89E-07	0.039281	0.39704	-0.05331
-0.23538	2.67E-07	0.099919	0.03086	-0.11347	0.01415	0.046064	0.32056	0.123493
-0.09369	0.04299	0.094497	0.04123	0.028001	0.54611	-0.16959	0.00023	-0.23939
0.38821	3.02E-18	0.484532	7.26E-29	0.465983	1.51E-26	0.191208	3.19E-05	0.060766
0.038049	0.41202	0.33352	1.35E-13	0.247218	6.22E-08	0.054397	0.2407	0.137446
0.094118	0.04206	0.331157	2.05E-13	0.233091	3.51E-07	0.136954	0.00302	0.120008
0.065399	0.15824	0.235546	2.62E-07	0.169004	0.00024	-0.01	0.82935	-0.03386
0.020762	0.6545	0.154098	0.00083	0.100489	0.02991	0.043921	0.34361	0.008308
0.002046	0.96483	0.306611	1.27E-11	0.074372	0.10847	0.067985	0.1424	0.12246
0.041164	0.37478	0.20356	9.26E-06	0.006759	0.88418	0.123935	0.00733	0.118478
0.067406	0.14583	0.233912	3.18E-07	0.120814	0.00896	0.095954	0.03819	0.038929
0.035651	0.44213	-0.32302	8.39E-13	-0.23686	2.23E-07	-0.13669	0.00308	-0.08842
0.006864	0.8824	0.178319	0.00011	0.104849	0.02345	-0.0144	0.75624	-0.06238
-0.02508	0.58873	-0.24567	7.56E-08	-0.16834	0.00026	0.059465	0.19958	0.235774
0.107147	0.02056	0.332417	1.64E-13	0.360389	9.06E-16	0.161459	0.00046	0.192577
0.065378	0.15837	0.274472	1.62E-09	0.199756	1.37E-05	-0.03826	0.40948	-0.05834
-0.11029	0.01711	0.163123	0.0004	0.103917	0.02472	-0.03799	0.4127	-0.06175
0.059864	0.19658	0.223205	1.10E-06	0.126408	0.00623	-0.00499	0.91438	-0.10275
-0.00812	0.86114	-0.34343	2.26E-14	-0.21081	4.33E-06	-0.20483	8.12E-06	-0.1862
0.047248	0.30827	-0.17542	0.00014	-0.25002	4.36E-08	0.092622	0.04545	0.104799
-0.00186	0.96809	0.337405	6.75E-14	0.192619	2.78E-05	0.263105	7.81E-09	0.233881
-0.01181	0.79915	0.370659	1.18E-16	0.276272	1.26E-09	0.100604	0.02972	0.082005
0.052433	0.25813	0.25108	3.80E-08	0.215942	2.48E-06	0.027598	0.5519	-0.04643
0.075326	0.104	0.305027	1.64E-11	0.300486	3.36E-11	0.088541	0.05587	0.098943
0.049065	0.29001	0.383084	9.00E-18	0.298208	4.79E-11	0.136839	0.00305	0.112022
-0.35596	2.14E-15	-0.39617	5.32E-19	-0.38772	3.35E-18	-0.16273	0.00041	0.027909
0.132001	0.00427	0.308457	9.44E-12	0.326515	4.61E-13	0.076486	0.09877	0.104709
-0.21629	2.39E-06	-0.46891	6.63E-27	-0.34472	1.78E-14	-0.25113	3.78E-08	-0.26258
0.093058	0.04443	0.385109	5.86E-18	0.398714	3.03E-19	0.028631	0.53711	-0.00914
0.066162	0.15344	0.344494	1.85E-14	0.331132	2.06E-13	0.059901	0.1963	0.022847
0.370593	1.19E-16	0.505183	1.29E-31	0.351799	4.73E-15	0.254418	2.47E-08	0.250454
0.077477	0.09446	0.364021	4.44E-16	0.306628	1.27E-11	0.080868	0.08085	0.278082
0.246208	7.06E-08	-0.08752	0.05878	-0.01264	0.78535	0.10648	0.02137	-0.04088
0.017548	0.70527	0.061459	0.18489	0.124938	0.00687	0.060877	0.18909	-0.02669

-0.04718	0.309	0.15266	0.00093	0.076359	0.09933	0.044051	0.34219	-0.01583
-0.04241	0.36045	-0.0265	0.56781	0.051588	0.26589	-0.14421	0.00178	-0.31518
-0.25369	2.72E-08	-0.04728	0.30797	-0.03709	0.42389	-0.2098	4.82E-06	-0.1609
0.027349	0.5555	0.219227	1.73E-06	0.175716	0.00014	-0.0732	0.11416	-0.12644
0.048932	0.29132	0.185885	5.31E-05	0.192233	2.89E-05	-0.04022	0.38585	-0.0902
0.041731	0.36823	0.274486	1.62E-09	0.18251	7.28E-05	0.133743	0.00379	0.106995
0.008175	0.86014	0.285162	3.46E-10	0.184378	6.12E-05	0.075685	0.10236	0.07426
0.05853	0.20676	0.374116	5.82E-17	0.361886	6.76E-16	0.121079	0.00881	0.095085
0.076058	0.10067	-0.22265	1.18E-06	-0.10312	0.02586	0.048297	0.29764	0.07544
0.034803	0.45307	0.356488	1.93E-15	0.224475	9.55E-07	0.056474	0.22318	0.066878
0.044046	0.34224	-0.30845	9.44E-12	-0.12943	0.00509	0.028091	0.54482	0.000412
-0.04458	0.33644	0.234684	2.90E-07	0.155731	0.00073	0.025173	0.58739	0.015719
0.023639	0.61037	0.262577	8.39E-09	0.231478	4.24E-07	0.121767	0.00843	0.143727
-0.3583	1.36E-15	-0.15378	0.00086	-0.27584	1.34E-09	-0.18726	4.66E-05	-0.13459
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0.186906	4.82E-05	0.321385	1.11E-12	0.348312	9.12E-15	0.168708	0.00025	0.128615
0.143697	0.00185	-0.07613	0.10036	-0.0799	0.08458	0.028022	0.5458	0.188141
-0.15042	0.00111	0.016647	0.71974	-0.07619	0.1001	0.117022	0.01138	-0.08491
-0.02216	0.63288	0.208397	5.59E-06	0.092513	0.0457	0.001213	0.97914	-0.10496
-0.13196	0.00428	0.111586	0.01585	0.011374	0.80634	0.069766	0.13221	-0.00694
-0.15456	0.0008	0.005849	0.89969	-0.04406	0.34211	-0.17227	0.00018	-0.12091
0.14325	0.00191	0.368553	1.80E-16	0.258231	1.50E-08	0.307666	1.07E-11	0.317114
0.107077	0.02065	0.268662	3.66E-09	0.152401	0.00095	0.137393	0.00293	0.219384
0.242606	1.11E-07	0.528833	5.24E-35	0.535748	4.75E-36	0.138938	0.00262	0.170902
0.296759	6.00E-11	0.540729	8.13E-37	0.489904	1.46E-29	0.316208	2.65E-12	0.396162
-0.19964	1.38E-05	-0.43552	4.88E-23	-0.33675	7.60E-14	-0.04675	0.31339	-0.04629
0.066331	0.15238	0.303458	2.10E-11	0.213114	3.37E-06	0.120732	0.00901	0.058708
-0.12279	0.0079	0.144422	0.00175	0.080319	0.08294	0.021992	0.63547	0.12263
-0.12764	0.00574	0.121636	0.00851	0.044306	0.33939	-0.00665	0.88604	-0.0601
0.324923	6.06E-13	0.369286	1.55E-16	0.281435	5.97E-10	0.142899	0.00196	0.065578
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0.243689	9.68E-08	0.5966	2.33E-46	0.269495	3.26E-09	0.33571	9.15E-14	0.548732
0.311465	5.79E-12	0.382569	1.00E-17	0.40708	4.57E-20	0.225522	8.48E-07	0.124089
0.201653	1.13E-05	0.413184	1.11E-20	0.391543	1.47E-18	0.18658	4.97E-05	0.085736
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0.000926	0.98408	0.113099	0.01447	-0.03245	0.4842	0.10556	0.02252	-0.11222
0.228474	6.03E-07	-0.03907	0.39963	-0.08211	0.0763	0.181616	7.91E-05	0.152285
-0.04398	0.34292	0.039793	0.39091	0.170974	0.00021	-0.08298	0.0732	-0.14612
0.007008	0.87995	0.230361	4.84E-07	0.296752	6.00E-11	0.033254	0.47344	-0.00656
0.11479	0.01306	0.3562	2.04E-15	0.411258	1.74E-20	0.161973	0.00044	0.157359
0.13318	0.00394	0.12516	0.00677	0.264831	6.18E-09	0.083153	0.07262	-0.06917
0.131269	0.00449	0.028581	0.53783	0.107877	0.01971	-0.00593	0.89823	0.237004
0.187211	4.68E-05	0.320502	1.29E-12	0.264671	6.32E-09	0.209216	5.12E-06	0.021184
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0.088717	0.05539	0.467577	9.64E-27	0.415091	7.09E-21	0.105488	0.02262	0.167967

-0.02988	0.51947	0.244408	8.85E-08	0.158852	0.00057	-0.00517	0.91123	-0.02704
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0.156976	0.00066	0.380652	1.50E-17	0.412284	1.37E-20	0.10099	0.0291	-0.01158
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0.03742	0.4198	-0.35722	1.68E-15	-0.23178	4.10E-07	-0.0392	0.39801	-0.08823
-0.001	0.98281	0.053126	0.25188	0.037371	0.4204	-0.01174	0.8002	-0.17002
0.154025	0.00084	0.208093	5.77E-06	0.199189	1.45E-05	0.187505	4.55E-05	-0.12219
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0.028635	0.53706	0.234267	3.05E-07	0.202338	1.05E-05	0.005772	0.901	-0.12926
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0.101271	0.02865	0.295591	7.18E-11	0.232007	3.99E-07	0.109015	0.01845	-0.0195
0.140132	0.0024	0.36026	9.29E-16	0.306966	1.20E-11	0.142494	0.00202	0.079256
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0.1592	0.00055	0.018361	0.69229	0.023938	0.60585	0.014367	0.75682	0.372218
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-0.07461	0.10734	-0.29417	8.93E-11	-0.34375	2.13E-14	-0.16153	0.00046	0.052404
-0.14074	0.0023	0.092387	0.046	-0.01358	0.76976	-0.01591	0.7316	0.12479
0.012245	0.79185	0.275317	1.44E-09	0.241143	1.33E-07	0.123674	0.00746	0.105336
0.017273	0.70968	0.173607	0.00016	0.141154	0.00223	0.015666	0.73563	-0.05005
0.064395	0.16474	-0.21535	2.65E-06	-0.06148	0.18472	0.092065	0.04676	0.09179
0.138251	0.00275	0.353246	3.59E-15	0.326189	4.87E-13	-0.08154	0.07836	-0.0313
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0.283507	4.41E-10	0.47439	1.40E-27	0.307784	1.05E-11	0.29696	5.81E-11	0.262919
0.093065	0.04442	0.211594	3.98E-06	0.222006	1.26E-06	0.02099	0.65096	-0.01306
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0.178442	0.00011	0.421319	1.61E-21	0.28174	5.71E-10	0.324021	7.08E-13	0.470132
0.270068	3.01E-09	-0.15041	0.00111	0.04639	0.31715	-0.01576	0.73411	-0.08937
0.033253	0.47345	0.256887	1.79E-08	0.06352	0.17057	0.022465	0.62821	-0.07441
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0.106686	0.02112	0.392198	1.27E-18	0.201462	1.15E-05	0.186541	4.99E-05	0.355696
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0.137589	0.00289	0.402957	1.17E-19	0.268859	3.56E-09	0.236225	2.41E-07	0.182507
0.09721	0.03572	0.261709	9.42E-09	0.241283	1.30E-07	0.015388	0.74015	-0.14184
0.120581	0.0091	0.336031	8.64E-14	0.231184	4.39E-07	0.064651	0.16306	-0.01236
0.069749	0.1323	0.358032	1.43E-15	0.272278	2.21E-09	0.169893	0.00023	0.167079
-0.02031	0.66161	0.275169	1.47E-09	0.273728	1.80E-09	-0.01543	0.73943	-0.03256
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0.097975	0.03429	0.17121	0.0002	0.310795	6.46E-12	0.046698	0.31394	0.132128
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0.093503	0.04342	0.400491	2.03E-19	0.231338	4.31E-07	0.144406	0.00176	0.145966
0.11742	0.0111	0.407976	3.72E-20	0.323069	8.33E-13	0.175696	0.00014	0.14607
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0.017909	0.69948	0.201224	1.18E-05	0.169993	0.00022	0.022159	0.63292	0.079626
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0.054619	0.23878	0.328542	3.24E-13	0.184762	5.90E-05	0.250852	3.92E-08	0.175625
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0.105415	0.02271	0.395149	6.67E-19	0.233289	3.43E-07	0.176907	0.00012	0.210555
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0.167581	0.00028	0.007119	0.87805	0.104043	0.02455	0.040152	0.38665	0.141539
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0.227204	6.98E-07	-0.11776	0.01087	0.156986	0.00066	-0.10481	0.0235	-0.12858
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0.142815	0.00198	0.018378	0.69202	0.138179	0.00277	-0.01829	0.69336	-0.28318
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0.013697	0.76783	-0.17367	0.00016	-0.29752	5.33E-11	0.12683	0.00606	0.207813
0.018501	0.69007	0.194194	2.38E-05	0.144279	0.00177	-0.02282	0.62275	-0.16921
0.237482	2.07E-07	0.436376	3.93E-23	0.292842	1.09E-10	0.17924	9.84E-05	0.256606
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0.116145	0.01202	0.379004	2.12E-17	0.280511	6.83E-10	0.051007	0.27132	0.112281
0.11108	0.01633	0.215072	2.73E-06	0.218032	1.97E-06	-0.13462	0.00356	-0.04193
0.023554	0.61166	0.134547	0.00358	0.108477	0.01903	-0.0188	0.68529	-0.13994
0.148236	0.00132	0.166582	0.0003	0.193359	2.59E-05	0.098427	0.03346	-0.17155
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-0.0247	0.59442	0.208255	5.67E-06	0.091521	0.04808	0.038227	0.40984	0.045488
0.331901	1.80E-13	0.462776	3.67E-26	0.434787	5.86E-23	0.250834	3.93E-08	0.2839
0.249024	4.95E-08	0.320982	1.19E-12	0.283644	4.32E-10	0.117416	0.01111	0.074778
0.053215	0.25109	0.297581	5.28E-11	0.197234	1.76E-05	0.051135	0.27011	0.007954
-0.08664	0.06138	-0.00448	0.92316	-0.09134	0.04853	-0.03405	0.46287	-0.14937
0.02275	0.62387	0.340444	3.89E-14	0.193553	2.54E-05	0.013676	0.76817	0.083508
-0.08121	0.07956	0.192845	2.72E-05	0.195133	2.17E-05	0.015771	0.73392	-0.01525
0.153159	0.0009	0.50796	5.31E-32	0.460756	6.39E-26	0.249751	4.51E-08	0.355234
0.039987	0.38861	0.267008	4.59E-09	0.254621	2.41E-08	0.125254	0.00672	0.187709
0.059757	0.19738	0.454572	3.42E-25	0.389911	2.09E-18	0.169503	0.00023	0.069798
0.199469	1.41E-05	0.427909	3.24E-22	0.332149	1.72E-13	0.221673	1.31E-06	0.210948
0.159049	0.00056	-0.07799	0.09231	-0.03615	0.43573	0.094992	0.04018	0.104274
0.030569	0.5099	0.321747	1.04E-12	0.280096	7.25E-10	0.117056	0.01136	0.196302
-0.04962	0.28453	-0.0347	0.45445	-0.10747	0.02018	-0.05017	0.27926	-0.24686
0.142483	0.00202	0.384145	7.19E-18	0.285429	3.33E-10	0.03711	0.42366	-0.06066
-0.08194	0.07691	0.139782	0.00247	0.051069	0.27074	-0.0387	0.404	-0.07604
-0.08692	0.06054	0.009823	0.83232	0.122692	0.00795	-0.21731	2.13E-06	-0.2685
0.137608	0.00288	0.382893	9.37E-18	0.282366	5.21E-10	0.187064	4.75E-05	0.211752
0.190669	3.36E-05	0.238332	1.87E-07	0.214851	2.79E-06	0.077363	0.09495	-0.08134
-0.07875	0.08913	0.104095	0.02447	0.105517	0.02258	0.120647	0.00906	0.0128
0.151043	0.00106	0.319029	1.65E-12	0.252837	3.03E-08	0.06944	0.13403	0.02034
0.034763	0.45359	0.323468	7.78E-13	0.319139	1.62E-12	0.117262	0.01121	0.163546
0.345011	1.69E-14	0.501964	3.56E-31	0.48404	8.40E-29	0.222069	1.26E-06	0.192979

0.201225	1.18E-05	0.00966	0.83507	0.045493	0.3266	0.152122	0.00097	0.240326
0.129015	0.00523	0.316919	2.35E-12	0.298868	4.32E-11	0.117505	0.01104	0.044604
0.08734	0.0593	0.515182	5.11E-33	0.485705	5.13E-29	0.165983	0.00032	0.190742
0.031708	0.49426	0.295031	7.83E-11	0.303633	2.04E-11	0.116221	0.01196	0.037103
0.050705	0.27417	0.2652	5.88E-09	0.226539	7.54E-07	0.071471	0.12299	0.009613
-0.05807	0.21032	0.090644	0.05027	0.156274	0.0007	-0.06077	0.18986	-0.16944
0.015263	0.74217	0.377165	3.10E-17	0.284519	3.80E-10	0.125164	0.00676	0.15242
-0.01745	0.70677	0.195201	2.16E-05	0.172445	0.00018	0.036815	0.42736	-0.00037
0.072086	0.1198	0.235752	2.55E-07	0.229496	5.35E-07	0.111748	0.01569	0.010313
-0.06046	0.19218	0.266284	5.07E-09	0.182871	7.04E-05	-0.00331	0.94308	-0.0166
0.049049	0.29017	0.243897	9.43E-08	0.224195	9.86E-07	-0.02208	0.63409	-0.06966
0.04839	0.29671	0.414591	7.98E-21	0.282513	5.10E-10	0.190864	3.30E-05	0.239869
0.065846	0.15541	0.292968	1.07E-10	0.214853	2.79E-06	0.102758	0.02638	0.185972
0.172689	0.00018	0.528324	6.24E-35	0.460334	7.17E-26	0.323422	7.84E-13	0.299581
-0.04457	0.33649	0.142011	0.0021	0.117042	0.01137	-0.04952	0.28555	-0.0339
-0.1048	0.02351	0.093951	0.04242	0.0007	0.98796	0.01601	0.73004	-0.08282
-0.09266	0.04535	0.284803	3.65E-10	0.181571	7.94E-05	-0.00202	0.96524	0.031864
-0.09097	0.04945	-0.4276	3.50E-22	-0.45049	1.02E-24	0.011176	0.80965	0.004851
-0.16328	0.0004	-0.52294	3.88E-34	-0.42752	3.57E-22	-0.31557	2.94E-12	-0.47634
0.115743	0.01232	0.28724	2.54E-10	0.201517	1.14E-05	0.212081	3.77E-06	0.23186
0.291685	1.30E-10	0.459622	8.72E-26	0.461326	5.47E-26	0.241706	1.24E-07	0.176946
0.030255	0.51426	-0.2608	1.06E-08	-0.19659	1.88E-05	-0.00459	0.92124	-0.11609
0.337945	6.12E-14	0.393833	8.90E-19	0.362245	6.30E-16	0.189817	3.65E-05	0.125866
-0.08949	0.05329	0.026126	0.57332	0.03613	0.43602	-0.06443	0.16451	-0.16589
0.075482	0.10329	0.338993	5.07E-14	0.243484	9.93E-08	0.131649	0.00438	0.132319
0.073135	0.11449	0.339567	4.57E-14	0.299951	3.65E-11	0.236964	2.21E-07	0.249209
0.311585	5.68E-12	0.552431	1.15E-38	0.207801	5.95E-06	0.379288	2.00E-17	0.410101
0.089409	0.0535	0.190227	3.51E-05	0.064839	0.16184	0.060119	0.19467	-0.08147
-0.00402	0.93091	0.16822	0.00026	-0.1049	0.02338	0.175267	0.00014	0.087361
0.027977	0.54646	0.222378	1.21E-06	-0.16396	0.00037	0.169321	0.00024	0.116767
0.051939	0.26265	0.172615	0.00018	0.078058	0.09201	-0.12783	0.00567	-0.21866
0.009075	0.84493	0.259218	1.31E-08	0.140203	0.00239	0.075381	0.10375	0.015246
-0.01584	0.73282	0.364652	3.92E-16	0.149445	0.0012	0.089004	0.0546	0.126225
-0.05544	0.2318	0.196211	1.95E-05	0.110844	0.01656	0.054956	0.23589	-0.00177
-0.05439	0.24079	0.223229	1.10E-06	0.133315	0.0039	0.027356	0.5554	-0.04197
0.133504	0.00385	0.501609	3.98E-31	0.413243	1.09E-20	0.238336	1.87E-07	0.228274
0.169543	0.00023	0.328927	3.03E-13	0.32994	2.54E-13	0.117159	0.01128	0.105859
-0.0974	0.03535	0.149317	0.00121	0.076192	0.10007	-0.04962	0.28454	-0.09412
0.129255	0.00515	0.179327	9.76E-05	0.171077	0.0002	-0.01369	0.76796	-0.06003
0.059173	0.2018	0.223779	1.03E-06	0.140784	0.00229	0.052039	0.26173	0.03879
0.110026	0.01738	0.377048	3.18E-17	0.348856	8.24E-15	0.16293	0.00041	0.027604
0.174431	0.00015	-0.01276	0.78331	0.037065	0.42422	0.156511	0.00069	0.123156
-0.02741	0.55458	0.237452	2.08E-07	0.147488	0.00139	0.061736	0.18292	0.139759
-0.12248	0.00806	0.086982	0.06035	0.045119	0.3306	-0.0159	0.7318	-0.13693
0.12902	0.00523	0.218228	1.93E-06	0.233892	3.19E-07	0.1517	0.00101	0.052362

0.090789	0.04991	0.403502	1.03E-19	0.311477	5.78E-12	0.076442	0.09896	0.083271
-0.08071	0.08146	0.088891	0.05491	0.146268	0.00153	-0.13276	0.00405	0.01686
0.119577	0.0097	0.110418	0.01698	0.121313	0.00868	0.06975	0.1323	-0.08518
-0.05973	0.19755	-0.00516	0.91145	0.003399	0.9416	-0.20448	8.42E-06	-0.18448
0.176106	0.00013	0.172568	0.00018	0.187039	4.76E-05	0.025987	0.57536	-0.02147
0.117412	0.01111	0.314228	3.68E-12	0.302891	2.30E-11	-0.06818	0.14124	-0.01711
0.212164	3.74E-06	0.383917	7.55E-18	0.335902	8.84E-14	0.079459	0.0863	0.067308
0.086655	0.06133	0.245374	7.84E-08	0.218832	1.80E-06	0.055747	0.2292	-0.1261
0.119247	0.0099	0.260135	1.16E-08	0.309883	7.49E-12	0.016485	0.72235	-0.07314
0.10112	0.02889	0.239078	1.71E-07	0.157011	0.00066	0.155549	0.00074	0.299795
0.066508	0.15129	-0.32196	1.01E-12	-0.23296	3.56E-07	0.018295	0.69334	-0.04905
-0.23106	4.46E-07	-0.45793	1.38E-25	-0.40262	1.26E-19	-0.29141	1.36E-10	-0.16924
0.136749	0.00306	0.358087	1.42E-15	0.328977	3.00E-13	0.037641	0.41706	0.053748
0.146367	0.00152	0.328141	3.48E-13	0.276905	1.15E-09	0.089111	0.05431	0.064726
0.365452	3.34E-16	0.307646	1.08E-11	0.438131	2.52E-23	0.133589	0.00383	0.091786
-0.1892	3.87E-05	-0.45411	3.87E-25	-0.3623	6.23E-16	-0.20011	1.32E-05	-0.323
-0.13516	0.00343	-0.36735	2.29E-16	-0.14043	0.00235	-0.35808	1.42E-15	-0.32507
-0.14008	0.00241	0.098584	0.03318	0.026174	0.57261	-0.00431	0.92605	-0.01563
-0.13798	0.00281	-0.35268	4.00E-15	-0.23894	1.74E-07	-0.01587	0.73237	-0.05194
-0.02572	0.57931	0.211524	4.01E-06	0.121422	0.00862	-0.01264	0.78529	-0.00321
-0.12889	0.00528	-0.00627	0.89259	-0.07057	0.1278	0.031797	0.49305	-0.08843
0.298986	4.24E-11	-0.17515	0.00014	-0.17363	0.00016	0.015991	0.73035	-0.01346
-0.02691	0.56191	0.194167	2.39E-05	0.110117	0.01729	0.035934	0.43852	0.002937
0.136208	0.00318	0.46534	1.80E-26	0.353107	3.69E-15	0.12141	0.00863	0.253714
0.014309	0.75778	0.280247	7.10E-10	0.176364	0.00013	0.094002	0.04231	0.056489
0.079355	0.08672	0.262765	8.18E-09	0.231172	4.40E-07	0.082366	0.07537	0.08962
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-0.15324	0.00089	-0.48689	3.60E-29	-0.27909	8.38E-10	-0.18995	3.60E-05	-0.17971
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0.120823	0.00896	0.238517	1.83E-07	0.186835	4.85E-05	-0.07019	0.12984	-0.04381
0.0852	0.06583	0.284177	4.00E-10	0.254949	2.31E-08	0.058631	0.20597	0.062063
0.24175	1.23E-07	0.34973	6.99E-15	0.223214	1.10E-06	0.279652	7.74E-10	0.154925
0.405651	6.33E-20	0.497037	1.65E-30	0.377132	3.13E-17	0.252943	2.99E-08	0.187468
0.188129	4.29E-05	0.471441	3.24E-27	0.333896	1.26E-13	0.160372	0.0005	0.36663
0.204469	8.43E-06	0.458104	1.32E-25	0.31207	5.24E-12	0.217113	2.18E-06	0.145962
0.174373	0.00015	-0.30711	1.17E-11	-0.01848	0.69044	0.030614	0.50928	-0.08329
-0.30204	2.63E-11	-0.03044	0.51171	-0.19002	3.58E-05	-0.0598	0.19703	-0.14346
-0.03645	0.432	-0.41675	4.79E-21	-0.11707	0.01135	-0.11595	0.01216	-0.10604
-0.00889	0.84808	0.001855	0.96811	0.082873	0.07359	0.054119	0.24311	-0.18035
0.168976	0.00024	0.213041	3.40E-06	0.178329	0.00011	0.082585	0.07459	0.127648
0.194018	2.42E-05	0.511872	1.50E-32	0.422486	1.22E-21	0.210429	4.50E-06	0.147262
0.071837	0.12108	-0.129	0.00524	-0.01346	0.77172	-0.08965	0.05285	0.088645
-0.01962	0.67242	0.303924	1.95E-11	0.171025	0.0002	0.119567	0.0097	0.136545
0.071886	0.12083	0.222249	1.23E-06	0.265744	5.46E-09	-0.01993	0.66751	-0.11841
0.12182	0.00841	0.390413	1.88E-18	0.423276	1.00E-21	0.069471	0.13386	0.044466

-0.172	0.00019	0.163874	0.00038	0.130457	0.00475	-0.01567	0.73561	0.027422
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0.066178	0.15333	-0.46584	1.57E-26	-0.34622	1.35E-14	-0.02561	0.58095	-0.15462
0.167461	0.00028	0.337033	7.22E-14	0.26597	5.29E-09	0.131888	0.0043	0.117729
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-0.22906	5.63E-07	-0.00502	0.91388	-0.0156	0.73673	-0.10944	0.01799	-0.1057
-0.0486	0.29458	0.030851	0.506	0.087672	0.05833	-0.06694	0.14863	-0.05172
-0.05591	0.2278	0.22905	5.64E-07	0.136234	0.00318	0.013965	0.76343	0.010619
0.030554	0.51011	-0.33525	9.93E-14	-0.18856	4.12E-05	-0.0848	0.06712	-0.11112
0.141776	0.00213	0.35608	2.09E-15	0.404983	7.37E-20	0.083512	0.07138	0.187271
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0.268987	3.49E-09	0.42217	1.31E-21	0.398797	2.97E-19	0.119426	0.00979	0.054946
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0.31997	1.41E-12	0.424175	8.08E-22	0.284751	3.68E-10	0.174794	0.00015	0.263816
0.229968	5.07E-07	0.379229	2.02E-17	0.322306	9.48E-13	0.148429	0.0013	0.219784
-0.08278	0.0739	0.173017	0.00017	0.116181	0.01199	-0.0257	0.57961	-0.05754
0.174315	0.00015	0.271673	2.41E-09	0.206344	6.94E-06	0.178948	0.0001	-0.00441
-0.35153	4.98E-15	-0.11304	0.01452	-0.23823	1.89E-07	-0.17821	0.00011	-0.20906
0.108894	0.01858	0.127953	0.00562	0.137298	0.00295	-0.17679	0.00012	-0.30532
0.038664	0.4045	0.454449	3.54E-25	0.309661	7.77E-12	0.093547	0.04332	0.0418
0.00171	0.9706	0.317098	2.28E-12	0.232338	3.83E-07	0.115384	0.01259	0.086004
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0.081044	0.08019	0.250644	4.02E-08	0.23824	1.89E-07	0.074222	0.10919	0.021866
0.196929	1.82E-05	-0.24677	6.58E-08	-0.27165	2.41E-09	0.062319	0.17881	0.022854
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0.026085	0.57393	0.115129	0.01279	0.084553	0.06791	-0.18353	6.62E-05	-0.12444
0.026457	0.56846	0.364268	4.23E-16	0.285976	3.07E-10	0.111459	0.01597	0.09373
0.176019	0.00013	0.409934	2.37E-20	0.452017	6.78E-25	0.19996	1.34E-05	0.121758
-0.01696	0.71467	0.349009	8.00E-15	0.277614	1.04E-09	0.05746	0.21519	0.0936
0.04416	0.34099	0.313271	4.30E-12	0.144245	0.00178	0.19753	1.71E-05	0.160706
0.124837	0.00691	-0.28487	3.61E-10	-0.19235	2.86E-05	-0.08573	0.06415	-0.14986
0.014627	0.75257	0.251302	3.70E-08	0.230106	4.98E-07	-0.04192	0.36609	-0.12192
0.072319	0.1186	0.375188	4.67E-17	0.232188	3.90E-07	0.068628	0.13865	0.022964
-0.1227	0.00794	-0.33207	1.75E-13	-0.20753	6.12E-06	-0.17672	0.00012	-0.22736
-0.19705	1.79E-05	-0.22042	1.51E-06	-0.06882	0.13755	-0.28731	2.51E-10	-0.45015
0.058473	0.2072	0.270511	2.83E-09	0.174027	0.00016	0.242357	1.14E-07	0.235466
0.031381	0.49872	0.163272	0.0004	0.096006	0.03808	-0.0625	0.17757	-0.0473
-0.04525	0.32915	0.020284	0.66196	0.094625	0.04096	0.039486	0.39458	-0.04001
-0.11561	0.01241	0.086499	0.0618	0.023592	0.61107	-0.02528	0.58581	-0.1384
0.030989	0.5041	0.240913	1.36E-07	0.215085	2.72E-06	-0.02543	0.58353	-0.08344
0.177958	0.00011	-0.30163	2.81E-11	-0.14386	0.00183	-0.05821	0.20924	-0.07671
0.178222	0.00011	0.263633	7.27E-09	0.254667	2.39E-08	0.052617	0.25646	-0.09523



0.139079	0.00259	0.361137	7.83E-16	0.300651	3.27E-11	0.061367	0.18556	-0.0289
-0.00014	0.99762	-0.01079	0.81609	0.081816	0.07735	-0.14426	0.00177	-0.3372
-0.07139	0.1234	-0.04081	0.37889	-0.05791	0.21157	-0.01127	0.80806	-0.21054
0.074428	0.1082	0.131808	0.00433	0.049449	0.28624	-0.01227	0.7914	-0.05605
-0.10162	0.0281	0.183763	6.48E-05	0.138948	0.00262	-0.04794	0.30119	-0.01005
0.061429	0.18511	0.1412	0.00222	0.044622	0.33596	0.105237	0.02294	-0.03148
-0.1258	0.00649	0.085229	0.06573	0.021342	0.6455	-0.00307	0.94726	-0.11881
0.087272	0.0595	0.399988	2.28E-19	0.276961	1.14E-09	0.130089	0.00487	0.197983
0.150949	0.00107	0.39291	1.09E-18	0.11348	0.01414	0.255841	2.05E-08	0.374916
0.1238	0.0074	0.370052	1.33E-16	0.223573	1.06E-06	0.149626	0.00118	0.371581
-0.06462	0.16325	-0.37171	9.51E-17	-0.37811	2.55E-17	-0.02424	0.60128	-0.14684
-0.05822	0.20917	-0.3277	3.75E-13	-0.31438	3.58E-12	-0.07175	0.12156	-0.20777
0.01954	0.67363	0.101104	0.02892	0.12348	0.00755	0.066001	0.15444	-0.08
-0.213	3.41E-06	-0.38179	1.18E-17	-0.29422	8.87E-11	-0.23344	3.36E-07	-0.00328
-0.1645	0.00036	-0.4623	4.18E-26	-0.26205	9.00E-09	-0.31856	1.79E-12	-0.2463
-0.27521	1.46E-09	-0.45223	6.40E-25	-0.47095	3.73E-27	-0.14996	0.00115	-0.29771
0.283685	4.30E-10	0.388697	2.72E-18	0.311734	5.54E-12	0.150669	0.00109	-0.01405
0.220374	1.52E-06	0.395185	6.61E-19	0.303671	2.03E-11	0.056759	0.22085	-0.03824
0.218939	1.78E-06	0.372135	8.72E-17	0.313253	4.32E-12	0.137417	0.00292	-0.05381
-0.11777	0.01086	0.080832	0.08099	-0.0176	0.70439	0.120262	0.00929	0.037753
0.023279	0.61582	0.118038	0.01068	0.183166	6.85E-05	-0.03766	0.41679	-0.19951
0.0107	0.81762	0.117997	0.01071	0.072127	0.11958	0.000588	0.98989	-0.05302
0.236206	2.42E-07	0.160897	0.00048	0.129217	0.00516	0.183641	6.56E-05	0.38346
0.085831	0.06384	0.435887	4.44E-23	0.367357	2.29E-16	0.175833	0.00013	0.123611
-0.11442	0.01336	0.285654	3.22E-10	0.122332	0.00813	0.028943	0.53268	0.042884
-0.15513	0.00077	0.117492	0.01105	0.115858	0.01223	-0.0539	0.24506	-0.02728
-0.16344	0.00039	-0.31611	2.69E-12	-0.2762	1.27E-09	-0.03527	0.44697	0.039838
-0.0447	0.33512	0.27102	2.64E-09	0.162658	0.00042	0.09592	0.03826	0.043977
-0.00469	0.91952	0.224436	9.60E-07	0.118092	0.01065	0.066662	0.15035	-0.01237
0.034957	0.45107	0.13914	0.00258	0.079176	0.08743	-0.04786	0.30207	-0.16012
0.235209	2.72E-07	0.476278	8.12E-28	0.432725	9.83E-23	0.102146	0.0273	0.09109
0.360354	9.13E-16	0.143979	0.00181	0.109457	0.01797	0.230073	5.00E-07	0.465511
0.07498	0.10561	0.199486	1.40E-05	0.139874	0.00245	0.012624	0.78555	-0.07294
-0.13894	0.00262	0.132811	0.00404	0.088052	0.05725	-0.03911	0.3991	-0.0309
0.075285	0.10419	0.351319	5.18E-15	0.343428	2.26E-14	0.065858	0.15534	0.02654
-0.17882	0.0001	0.032277	0.48654	0.022099	0.63383	-0.1063	0.02158	-0.15921
0.050854	0.27276	0.299958	3.65E-11	0.319798	1.45E-12	0.01491	0.74794	0.007697
0.015543	0.73763	0.194555	2.30E-05	0.178257	0.00011	0.000667	0.98852	-0.11091
0.049586	0.28491	0.185428	5.54E-05	0.150153	0.00114	-0.09921	0.03207	-0.13784
0.207011	6.47E-06	0.313399	4.21E-12	0.364873	3.75E-16	0.110147	0.01726	0.050592
0.208709	5.41E-06	0.447137	2.46E-24	0.358227	1.38E-15	0.129422	0.00509	0.179546
0.249755	4.51E-08	0.263381	7.52E-09	0.261663	9.48E-09	0.213174	3.35E-06	0.026151
-0.11396	0.01373	0.048481	0.2958	0.029257	0.52824	-0.06297	0.17433	-0.11108
0.100921	0.02921	0.305176	1.60E-11	0.303105	2.22E-11	0.052815	0.25467	0.002874
0.060157	0.19439	-0.07511	0.10499	-0.17511	0.00014	0.060845	0.18933	0.325074

-0.04947	0.28609	0.31872	1.74E-12	0.302226	2.55E-11	-0.01502	0.74616	-0.11513
0.15549	0.00075	-0.12266	0.00797	-0.26866	3.66E-09	0.203236	9.58E-06	0.1454
-0.04555	0.32595	0.274502	1.62E-09	0.22678	7.33E-07	0.041232	0.37399	0.025224
0.159024	0.00056	0.405579	6.44E-20	0.282084	5.43E-10	0.205356	7.69E-06	0.31343
-0.11383	0.01385	0.049603	0.28474	0.115491	0.01251	-0.24864	5.19E-08	-0.35012
0.219592	1.66E-06	0.220751	1.46E-06	0.31358	4.09E-12	0.124401	0.00711	-0.00774
0.133123	0.00395	0.488641	2.13E-29	0.436314	3.99E-23	0.097099	0.03594	0.051289
0.097923	0.03438	0.289628	1.78E-10	0.164613	0.00035	0.179282	9.80E-05	0.1255
0.261284	9.98E-09	0.344235	1.94E-14	0.190833	3.31E-05	0.223898	1.02E-06	-0.00801
0.029662	0.52255	0.307874	1.04E-11	0.257905	1.56E-08	0.111162	0.01625	-0.01638
-0.01724	0.7102	0.204813	8.14E-06	0.175302	0.00014	0.009288	0.84134	0.002399
0.136099	0.00321	0.4494	1.36E-24	0.459849	8.19E-26	0.012126	0.79382	0.024596
-0.06287	0.17503	0.114773	0.01307	0.132035	0.00426	-0.0507	0.27425	-0.17523
0.165534	0.00033	0.378121	2.55E-17	0.290246	1.62E-10	0.060302	0.19332	0.006989
0.007388	0.87349	-0.27582	1.34E-09	-0.18982	3.65E-05	-0.0182	0.69481	-0.03982
0.083878	0.07015	0.486737	3.77E-29	0.381095	1.37E-17	0.199393	1.42E-05	0.18847
0.101447	0.02837	0.516196	3.66E-33	0.447341	2.33E-24	0.183114	6.88E-05	0.212236
0.116105	0.01205	0.4605	6.86E-26	0.412267	1.38E-20	0.116072	0.01207	0.063541
-0.04117	0.37469	0.049227	0.28842	0.032203	0.48754	0.053809	0.24583	0.081134
0.01112	0.81059	0.033937	0.46439	-0.10731	0.02037	-0.01338	0.77301	0.07096
0.051606	0.26572	0.262126	8.91E-09	0.196143	1.96E-05	0.027921	0.54725	-0.00464
0.139022	0.0026	0.280926	6.43E-10	0.245804	7.43E-08	-0.0503	0.27802	-0.08539
0.321883	1.02E-12	0.708693	1.87E-72	0.469591	5.47E-27	0.356854	1.80E-15	0.425207
0.039138	0.39876	0.201318	1.17E-05	0.10545	0.02266	0.019847	0.66881	-0.17478
-0.01058	0.8196	0.331939	1.79E-13	0.309843	7.54E-12	0.071703	0.12178	0.046707
0.03923	0.39765	0.263327	7.58E-09	0.106601	0.02122	0.130786	0.00464	0.075247
0.077179	0.09574	0.432711	9.87E-23	0.410435	2.11E-20	0.094911	0.04035	0.06678
0.307223	1.15E-11	0.444044	5.51E-24	0.379158	2.05E-17	0.114204	0.01353	0.078383
0.102531	0.02672	0.33141	1.96E-13	0.206752	6.65E-06	0.017209	0.7107	0.029261
0.125656	0.00655	0.360905	8.19E-16	0.318123	1.92E-12	0.207272	6.29E-06	0.091818
-0.10045	0.02997	0.387585	3.45E-18	0.219726	1.63E-06	0.099877	0.03093	0.151173
0.189561	3.74E-05	0.462629	3.82E-26	0.256728	1.83E-08	0.137335	0.00294	0.129933
-0.15336	0.00088	-0.0038	0.93479	0.011828	0.79878	-0.08785	0.05782	-0.1338
-0.0041	0.92956	0.236628	2.30E-07	0.079247	0.08715	0.012427	0.78882	0.013157
0.009342	0.84042	0.305951	1.41E-11	0.283505	4.41E-10	-0.08571	0.06422	-0.09229
0.035429	0.44497	-0.33339	1.38E-13	-0.16211	0.00044	0.018772	0.68576	-0.06811
0.026274	0.57114	0.285927	3.09E-10	0.224738	9.27E-07	0.029567	0.52388	0.029553
0.142451	0.00203	0.370397	1.24E-16	0.281624	5.81E-10	0.030379	0.51254	0.033835
0.073577	0.11231	0.404868	7.57E-20	0.219876	1.61E-06	0.180552	8.72E-05	0.039734
-0.02135	0.64536	0.125391	0.00666	0.117684	0.01092	-0.08421	0.06903	-0.18717
0.030217	0.51479	0.18242	7.34E-05	0.137318	0.00294	-0.08026	0.08318	-0.09267
-0.12106	0.00882	-0.12675	0.00609	-0.05516	0.23418	-0.09029	0.05119	-0.21787
0.008668	0.8518	0.167015	0.00029	0.245265	7.95E-08	0.024944	0.59079	0.009233
-0.03711	0.42368	0.173253	0.00017	0.213308	3.30E-06	0.016008	0.73008	0.091263
0.034314	0.45944	0.278473	9.17E-10	0.359415	1.10E-15	0.055612	0.23034	0.095365

0.002182	0.9625	0.209918	4.76E-06	0.31418	3.71E-12	-0.01423	0.7591	0.060257
0.063784	0.1688	0.177304	0.00012	0.16709	0.00029	0.068386	0.14005	0.088061
0.004637	0.92039	0.138093	0.00278	0.189817	3.65E-05	0.007245	0.87591	0.065073
-0.02652	0.5675	0.114107	0.01361	0.203218	9.60E-06	-0.02323	0.61661	-0.01063
0.001817	0.96877	0.172191	0.00018	0.19445	2.32E-05	-0.01279	0.78284	0.055867
0.035406	0.44527	0.229496	5.35E-07	0.281794	5.67E-10	0.046835	0.31252	0.103773
0.093219	0.04407	0.090676	0.05019	0.168579	0.00025	-0.04017	0.38642	-0.05919
0.040558	0.38185	0.138656	0.00267	0.090095	0.05169	0.132901	0.00401	0.011116
0.000588	0.98989	0.181737	7.82E-05	0.218776	1.81E-06	0.011374	0.80634	0.079041
-0.02672	0.56458	0.070924	0.12589	0.100822	0.02937	-0.01654	0.72151	-0.0107
-0.07359	0.11225	-0.00858	0.85326	0.060437	0.19232	-0.16413	0.00037	-0.12911
0.027647	0.55119	0.263556	7.35E-09	0.312172	5.16E-12	0.032781	0.47975	0.126187
0.031266	0.5003	0.19164	3.06E-05	0.197975	1.64E-05	-0.01647	0.72258	0.110969
0.061802	0.18245	0.277784	1.01E-09	0.325976	5.06E-13	0.05624	0.22511	0.114657
0.084651	0.06759	0.191614	3.07E-05	0.205616	7.48E-06	0.058519	0.20684	0.070114
-0.00587	0.89929	-0.01983	0.669	0.020183	0.66354	-0.11077	0.01663	-0.06372
-0.02618	0.57256	0.156757	0.00068	0.214326	2.96E-06	-0.00072	0.98755	0.066232
-0.01505	0.74573	0.22274	1.16E-06	0.186641	4.94E-05	0.063146	0.1731	0.133859
-0.02913	0.53006	0.150863	0.00107	0.19283	2.72E-05	-0.00211	0.96375	0.072907
-0.11582	0.01226	-0.0019	0.96735	0.017765	0.70179	-0.09655	0.03701	-0.08651
0.088128	0.05703	0.189626	3.72E-05	0.276316	1.25E-09	0.083704	0.07073	0.086216
0.001272	0.97814	0.143837	0.00183	0.17514	0.00014	-0.02411	0.6033	0.0572
-0.02523	0.58651	0.146869	0.00146	0.172581	0.00018	0.019822	0.66919	0.057872
0.047553	0.30515	0.171878	0.00019	0.246916	6.46E-08	0.014132	0.76068	0.020071
0.010472	0.82143	0.192139	2.91E-05	0.306508	1.29E-11	-0.02552	0.58217	0.003151
0.046366	0.31739	0.145792	0.00158	0.128754	0.00533	0.097122	0.03589	0.081892
0.010459	0.82166	0.276537	1.21E-09	0.295458	7.33E-11	0.045199	0.32974	0.134252
-0.02155	0.64229	0.153602	0.00087	0.192536	2.80E-05	0.01148	0.80458	0.054208
0.058527	0.20678	0.192221	2.89E-05	0.233239	3.45E-07	0.033524	0.46985	0.073795
-0.02861	0.53739	0.151577	0.00102	0.206151	7.08E-06	0.007805	0.86641	0.050853
-0.0273	0.55624	0.164892	0.00035	0.143134	0.00193	0.066228	0.15302	0.012874
0.167419	0.00028	0.286246	2.95E-10	0.367465	2.24E-16	0.160887	0.00048	0.326361
-0.0626	0.17682	0.108718	0.01877	0.129607	0.00503	-0.05579	0.22884	0.024321
0.048976	0.29088	0.260021	1.18E-08	0.263885	7.03E-09	0.066868	0.14909	0.1677
-0.01164	0.80185	0.106243	0.02166	0.126313	0.00627	0.030251	0.51432	0.087082
0.129337	0.00512	0.18957	3.74E-05	0.170022	0.00022	0.118203	0.01057	0.089943
0.047036	0.31044	0.134984	0.00347	0.15765	0.00063	0.034285	0.45982	0.036745
0.026691	0.56505	0.281785	5.68E-10	0.337271	6.91E-14	0.009566	0.83666	0.114838
-0.11068	0.01672	0.063731	0.16915	0.118086	0.01065	-0.09509	0.03998	0.003829
-0.00218	0.96246	0.186029	5.24E-05	0.200534	1.26E-05	-0.0351	0.44926	0.040842
0.084996	0.06648	0.225554	8.44E-07	0.259362	1.29E-08	0.081533	0.07838	0.095179
-0.09861	0.03314	-0.01232	0.79065	-0.01237	0.7898	-0.06851	0.13934	0.013685
-0.00751	0.87144	0.174567	0.00015	0.145108	0.00167	0.096377	0.03734	0.159434
0.037188	0.42269	0.22685	7.28E-07	0.277459	1.06E-09	0.043868	0.3442	0.101174
-0.03316	0.47465	0.118621	0.0103	0.165103	0.00034	-0.02457	0.5964	0.073707

0.066945	0.14862	0.280592	6.75E-10	0.347957	9.75E-15	0.070869	0.12619	0.130306
0.024156	0.60258	0.169029	0.00024	0.202765	1.01E-05	-0.01747	0.70647	0.103006
0.009418	0.83915	0.218847	1.80E-06	0.260914	1.05E-08	0.021776	0.63879	0.100836
0.03439	0.45845	0.269021	3.48E-09	0.300203	3.51E-11	0.068207	0.1411	0.158366
0.043651	0.34659	0.23776	2.00E-07	0.230733	4.63E-07	0.035766	0.44066	0.11576
-0.0221	0.63378	0.240283	1.47E-07	0.270694	2.76E-09	0.036573	0.43041	0.076818
0.189723	3.68E-05	0.358122	1.41E-15	0.389799	2.14E-18	0.054191	0.24249	0.08209
-0.1856	5.45E-05	0.085811	0.06391	0.069259	0.13505	-0.02784	0.54849	0.068194
-0.08264	0.0744	0.046048	0.32073	0.024602	0.5959	0.003864	0.93364	-0.01602
0.032205	0.48752	0.17469	0.00015	0.210331	4.55E-06	0.020302	0.66167	0.05075
-0.11602	0.01211	0.117517	0.01104	0.172203	0.00018	-0.01377	0.76665	0.040827
-0.07308	0.11475	0.099679	0.03127	0.157733	0.00062	-0.00932	0.8408	0.034581
-0.01816	0.69553	0.139249	0.00256	0.217344	2.13E-06	-0.1007	0.02957	-0.06948
0.003975	0.93173	0.182869	7.04E-05	0.236668	2.29E-07	-0.00542	0.907	0.049406
-0.0826	0.07454	0.12233	0.00813	0.16791	0.00027	-0.04187	0.36659	0.022955
0.042251	0.36229	0.27833	9.36E-10	0.303414	2.12E-11	0.085254	0.06565	0.196884
0.018006	0.69794	0.104544	0.02386	0.15063	0.00109	0.060375	0.19278	-0.00542
0.020487	0.65879	0.29873	4.42E-11	0.383728	7.85E-18	0.063493	0.17075	0.117932
0.001416	0.97565	0.151923	0.00099	0.21628	2.39E-06	0.015553	0.73746	0.03411
0.009627	0.83563	0.203135	9.68E-06	0.235049	2.78E-07	0.066238	0.15296	0.127996
0.023514	0.61226	0.115276	0.01267	0.15411	0.00083	-0.06045	0.19223	0.014931
0.048579	0.29482	0.237947	1.96E-07	0.314652	3.43E-12	-0.02369	0.60966	0.041054
-0.01346	0.77169	0.141647	0.00215	0.177055	0.00012	-0.02173	0.63955	0.04933
-0.03733	0.4209	0.087613	0.0585	0.114069	0.01364	-0.04724	0.30837	0.036981
-2.37E-05	0.99959	0.163864	0.00038	0.216381	2.36E-06	0.009599	0.8361	0.068187
0.000284	0.99511	0.165548	0.00033	0.204868	8.09E-06	0.012357	0.78999	0.074967
-0.03604	0.43719	0.119177	0.00995	0.218887	1.79E-06	0.020895	0.65244	0.002127
-0.02762	0.55164	0.096353	0.03739	0.140224	0.00239	-0.02993	0.51885	0.0172
-0.01949	0.67438	0.122644	0.00797	0.207732	6.00E-06	-0.01223	0.79207	0.034535
0.011037	0.81198	0.184144	6.25E-05	0.235314	2.69E-07	0.036537	0.43086	0.0928
0.01936	0.67646	0.198144	1.61E-05	0.262295	8.71E-09	0.046891	0.31194	0.111284
-0.00678	0.88381	0.213884	3.10E-06	0.249812	4.48E-08	0.074966	0.10567	0.152447
0.042784	0.35626	0.215911	2.49E-06	0.276034	1.30E-09	0.057214	0.21717	0.112161
0.04305	0.35328	0.273024	1.99E-09	0.343684	2.15E-14	0.087524	0.05876	0.126482
0.089069	0.05442	0.282295	5.27E-10	0.361618	7.13E-16	0.046103	0.32015	0.032477
0.011089	0.81111	0.048484	0.29577	0.075846	0.10163	0.033623	0.46854	-0.01708
0.029778	0.52092	0.212888	3.46E-06	0.227646	6.64E-07	0.133317	0.0039	0.138913
0.007434	0.87271	0.106984	0.02076	0.12173	0.00845	0.062768	0.1757	0.0506
-0.00918	0.84321	0.07159	0.12237	0.121005	0.00886	-0.02902	0.53154	-0.02955
0.023078	0.61888	0.127391	0.00584	0.156361	0.0007	0.053603	0.24764	0.057548
0.01604	0.72956	0.155097	0.00077	0.18378	6.47E-05	0.068454	0.13966	0.113403
0.090501	0.05064	0.125378	0.00667	0.233521	3.33E-07	0.094645	0.04091	0.057502
-0.00421	0.92766	0.134573	0.00357	0.189063	3.92E-05	0.047601	0.30466	0.085974
-0.02502	0.58967	0.177217	0.00012	0.233899	3.19E-07	-0.02126	0.64673	0.030735
0.014871	0.74858	0.205308	7.73E-06	0.17758	0.00011	-0.03128	0.5001	0.054293

-0.04187	0.36667	0.005941	0.89812	0.061661	0.18345	-0.0989	0.03261	-0.06645
-0.02683	0.56302	0.139232	0.00257	0.192529	2.81E-05	-0.00293	0.94963	0.05126
0.047567	0.305	0.239946	1.54E-07	0.255183	2.24E-08	0.045211	0.32961	0.134127
-0.00665	0.8861	0.151903	0.00099	0.194325	2.35E-05	-0.02076	0.65447	0.036128
0.022424	0.62885	0.211528	4.00E-06	0.26028	1.14E-08	0.047054	0.31025	0.093463
0.016521	0.72177	0.136472	0.00313	0.177172	0.00012	-0.00018	0.99695	0.076339
0.016769	0.71777	0.192611	2.78E-05	0.165956	0.00032	-0.01634	0.72474	0.046591
-0.0476	0.30468	0.11996	0.00946	0.21586	2.50E-06	-0.08742	0.05908	-0.05249
0.024028	0.6045	0.166266	0.00031	0.20776	5.98E-06	0.02691	0.56186	0.056207
0.019027	0.68172	0.194821	2.24E-05	0.274976	1.51E-09	-0.04364	0.34673	0.025346
0.026185	0.57245	0.155688	0.00074	0.196479	1.90E-05	-0.0324	0.48485	0.060456
-0.0112	0.80917	0.220222	1.54E-06	0.28616	2.98E-10	0.02079	0.65406	0.08587
0.02772	0.55014	0.208163	5.73E-06	0.232871	3.60E-07	0.054658	0.23844	0.125584
-0.00548	0.90596	0.183939	6.38E-05	0.238617	1.81E-07	0.036472	0.43168	0.090273
0.021821	0.63811	0.160986	0.00048	0.179059	1.00E-04	0.03384	0.46567	0.090036
0.035691	0.44162	0.202561	1.03E-05	0.25296	2.99E-08	0.011906	0.79749	0.017304
-0.03195	0.491	0.147955	0.00134	0.201304	1.17E-05	-0.01963	0.67225	0.0504
0.007463	0.87221	0.361677	7.04E-16	0.258148	1.51E-08	0.090536	0.05055	0.147333
0.058932	0.20365	0.285601	3.24E-10	0.360038	9.71E-16	0.07329	0.11372	0.118426
-0.05235	0.25891	0.089074	0.05441	0.098508	0.03332	-0.06609	0.15385	-0.01063
-0.00658	0.88729	0.219322	1.71E-06	0.258803	1.39E-08	0.053831	0.24563	0.096228
0.007748	0.86738	0.245673	7.56E-08	0.338851	5.20E-14	0.069903	0.13145	0.094794
0.01258	0.78629	0.241516	1.27E-07	0.315749	2.86E-12	0.027025	0.5602	0.102576
0.124269	0.00717	0.241774	1.23E-07	0.253324	2.85E-08	0.034718	0.45417	0.138741
-0.05694	0.21937	0.159457	0.00054	0.215422	2.63E-06	-0.00972	0.83412	0.038551
0.054221	0.24222	0.177648	0.00011	0.199311	1.43E-05	0.076453	0.09891	0.047654
0.077602	0.09393	0.207314	6.26E-06	0.169998	0.00022	0.068691	0.13829	0.052659
0.065175	0.15967	0.226308	7.74E-07	0.279468	7.94E-10	0.047476	0.30593	0.096579
-0.00699	0.8803	0.087938	0.05757	0.162293	0.00043	-0.06724	0.14685	-0.06629
-0.0524	0.2584	0.16485	0.00035	0.211827	3.88E-06	0.009492	0.83791	0.070934
0.04837	0.2969	0.219257	1.72E-06	0.259364	1.29E-08	0.058913	0.2038	0.103754
-0.01621	0.72677	0.171174	0.0002	0.235764	2.55E-07	-0.01221	0.79247	0.049016
-0.02138	0.64493	0.147721	0.00137	0.219722	1.63E-06	0.012304	0.79086	0.013837
0.006533	0.88803	0.077721	0.09342	0.122729	0.00793	-0.03222	0.48737	0.082447
0.046822	0.31265	0.136874	0.00304	0.159328	0.00055	0.162565	0.00042	0.091643
-0.07729	0.09527	0.035941	0.43842	0.095946	0.03821	-0.07559	0.10277	-0.01334
-0.05903	0.20293	0.157833	0.00062	0.198996	1.48E-05	0.008109	0.86126	0.088251
0.225627	8.37E-07	0.365568	3.27E-16	0.384362	6.87E-18	0.03369	0.46765	0.045394
0.076264	0.09975	0.213349	3.29E-06	0.2485	5.29E-08	0.013744	0.76706	0.04532
-0.00963	0.8356	0.019405	0.67576	0.028615	0.53734	0.012244	0.79186	-0.00406
0.017226	0.71043	0.067424	0.14572	0.019698	0.67114	-0.09193	0.04709	0.004395
0.01347	0.77156	0.163085	0.0004	0.205996	7.19E-06	0.037999	0.41263	0.061773
-0.00575	0.90134	0.046853	0.31233	-0.00882	0.84931	-0.03316	0.47463	0.039592
-0.06	0.19559	0.12387	0.00736	0.129755	0.00498	-0.01694	0.71508	0.030508
-0.10943	0.01801	0.076305	0.09957	0.119465	0.00977	-0.03853	0.40619	-0.03406

-0.07136	0.12357	0.062529	0.17735	0.067807	0.14345	-0.09949	0.03158	-0.02212
-0.05236	0.25876	0.09104	0.04928	0.121618	0.00852	-0.07854	0.09003	-0.00295
-0.08712	0.05995	0.061114	0.18737	0.082568	0.07466	-0.04666	0.31436	0.00018
-0.03057	0.50987	0.070438	0.12852	0.085048	0.06631	-0.00965	0.8353	-0.00506
-0.16332	0.00039	0.003369	0.94212	0.015967	0.73073	-0.03629	0.434	-0.02727
-0.03995	0.38906	-0.0737	0.1117	-0.10563	0.02244	-0.00586	0.89956	-0.08738
-0.1097	0.01772	0.009513	0.83755	0.03897	0.40079	-0.10826	0.01928	-0.06459
-0.02701	0.56043	0.13583	0.00327	0.204292	8.59E-06	0.00069	0.98813	0.031425
-0.06167	0.1834	0.16235	0.00043	0.229118	5.59E-07	0.043336	0.35008	0.048791
-0.06758	0.14482	0.118113	0.01063	0.159644	0.00053	-0.016	0.73025	0.044626
-0.03417	0.46132	0.091576	0.04795	0.066664	0.15033	-0.0268	0.56349	0.038959
-0.07226	0.11889	0.051664	0.26519	0.06386	0.16829	-0.02405	0.60425	0.002569
0.082813	0.0738	0.291169	1.41E-10	0.26807	3.97E-09	0.033699	0.46754	0.168137
-0.08393	0.06996	0.10587	0.02213	0.154642	0.0008	-0.01162	0.80219	-0.05117
-0.02099	0.65094	0.152585	0.00094	0.188034	4.33E-05	-0.05771	0.21317	0.007363
-0.0388	0.40289	0.125875	0.00645	0.178407	0.00011	-0.00611	0.8952	0.046935
-0.04013	0.38688	0.095985	0.03813	0.133388	0.00388	0.002922	0.94979	0.04362
-0.08755	0.05868	-0.01049	0.82116	0.016617	0.72022	-0.08216	0.07609	-0.11917
-0.02394	0.6058	0.154983	0.00078	0.199301	1.43E-05	0.032698	0.48087	0.074029
-0.05409	0.24339	0.052292	0.25941	0.05887	0.20413	-0.15095	0.00107	-0.19517
0.069026	0.13637	0.162195	0.00043	0.165124	0.00034	-0.03189	0.49179	-0.00737
0.03068	0.50836	0.159824	0.00053	0.193046	2.67E-05	0.10143	0.0284	0.162045
0.139539	0.00251	0.092527	0.04567	0.114528	0.01327	0.061752	0.18281	0.067616
-0.02435	0.59967	0.130512	0.00473	0.184751	5.91E-05	0.016176	0.72735	0.038663
-0.04525	0.32918	0.111871	0.01558	0.120453	0.00917	-0.04841	0.29655	0.010626
-0.02484	0.59228	0.154647	0.0008	0.191275	3.17E-05	0.028211	0.5431	0.093389
-0.12392	0.00734	0.023578	0.61129	0.052452	0.25796	-0.07607	0.10062	-0.01831
-0.01568	0.73532	0.09485	0.04048	0.11962	0.00967	0.04608	0.32039	0.031254
-0.07775	0.09329	-0.04691	0.3117	-0.02552	0.58223	-0.03664	0.4296	-0.09014
-0.3423	2.77E-14	0.032643	0.48161	0.012169	0.79311	-0.14882	0.00126	-0.08069
-0.15938	0.00055	-0.04435	0.33892	-0.02819	0.54339	-0.12781	0.00567	-0.07686
-0.09736	0.03545	0.04042	0.38348	0.017058	0.71312	-0.02232	0.63044	0.056711
-0.20894	5.28E-06	0.117913	0.01077	0.08532	0.06545	-0.03759	0.41768	0.086599
-0.04482	0.33383	0.08805	0.05725	0.090081	0.05173	-0.08714	0.0599	0.024133
0.021681	0.64027	0.132428	0.00415	0.143331	0.0019	-0.05429	0.24163	0.020581
-0.03425	0.4603	0.092342	0.0461	0.144201	0.00178	-0.02094	0.65178	0.002161
-0.0002	0.99651	0.104004	0.0246	0.18374	6.50E-05	-0.03517	0.44838	-0.06325
-0.04222	0.36269	0.088254	0.05668	0.117689	0.01092	-0.03901	0.40033	0.023404
-0.02033	0.66117	0.114615	0.0132	0.14184	0.00212	0.00663	0.88637	0.0578
-0.0534	0.24944	0.067174	0.14723	0.073425	0.11305	-0.05522	0.23367	-0.00115
-0.02376	0.6085	0.035436	0.44489	0.048735	0.29327	-0.12876	0.00532	-0.01399
0.003801	0.93471	0.13142	0.00444	0.163257	0.0004	-0.00476	0.91825	0.048173
-0.0738	0.11121	0.015509	0.73817	0.01588	0.73215	-0.03667	0.42915	-0.02977
-0.06172	0.18306	0.120778	0.00899	0.182964	6.98E-05	-0.0361	0.43637	-0.01567
-0.06278	0.17562	-0.02951	0.52464	-0.01096	0.81318	-0.09116	0.04897	-0.08471

0.016864	0.71624	-0.00494	0.91525	0.044408	0.33828	-0.05444	0.24034	-0.11815
-0.06214	0.18009	0.14426	0.00178	0.123912	0.00734	0.000254	0.99564	-0.00221
-0.13352	0.00384	-0.10489	0.0234	-0.07189	0.1208	-0.16053	0.0005	-0.1312
-0.19034	3.47E-05	-0.08254	0.07476	-0.00387	0.93348	-0.13118	0.00452	-0.19226
0.009389	0.83964	0.029784	0.52084	0.055251	0.23338	0.053006	0.25295	-0.02705
0.069718	0.13247	0.091076	0.04919	0.054181	0.24257	0.037357	0.42058	0.063945
-0.07965	0.08555	0.168056	0.00026	0.205302	7.73E-06	-0.01787	0.70014	-0.06932
-0.05209	0.26128	0.04661	0.31485	0.058746	0.20508	-0.04038	0.384	-0.01571
-0.11117	0.01624	-0.00798	0.86346	0.00675	0.88434	-0.12213	0.00824	-0.09512
-0.04429	0.33962	0.087877	0.05774	0.101584	0.02816	0.012495	0.78769	0.100855
0.028422	0.54009	0.129779	0.00497	0.13037	0.00478	-0.03891	0.4015	-0.1042
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-0.00567	0.90276	0.158108	0.00061	0.155795	0.00073	0.00876	0.85024	0.002823
-0.17543	0.00014	0.029063	0.53099	-0.03324	0.47362	0.058132	0.20986	-0.02057
0.031424	0.49814	0.041652	0.36914	0.032027	0.48992	-0.07212	0.11964	-0.07048
0.014488	0.75484	0.032421	0.48459	0.044932	0.33261	0.009731	0.83387	-0.04282
-0.06803	0.14215	0.046023	0.32099	0.060994	0.18824	-0.00966	0.83512	0.024476
0.008077	0.86181	0.11499	0.0129	0.153877	0.00085	0.036903	0.42626	0.141009
0.09766	0.03487	0.232897	3.59E-07	0.292963	1.07E-10	0.116906	0.01146	0.080384
-0.04949	0.28584	0.137687	0.00287	0.156201	0.00071	0.02165	0.64074	0.100955
-0.14266	0.002	0.038228	0.40983	0.069628	0.13298	-0.05837	0.20797	-0.00082
0.032317	0.486	0.082929	0.07339	0.142416	0.00203	0.014345	0.75718	-0.00373
-0.03668	0.42909	0.171305	0.0002	0.191108	3.22E-05	0.091505	0.04812	0.079819
-0.04792	0.30142	0.080177	0.08349	0.112741	0.01479	-0.04679	0.31294	-0.07352
-0.22736	6.86E-07	-0.02423	0.60142	-0.03814	0.41086	-0.05939	0.20014	-0.05049
-0.08325	0.07229	0.041379	0.37228	0.074216	0.10921	-0.0385	0.40655	-0.0003
-0.0059	0.89876	0.01604	0.72955	0.048985	0.2908	-0.05784	0.21217	-0.03761
-0.02239	0.6294	0.090984	0.04941	0.143551	0.00187	-0.02129	0.64632	-0.01237
-0.06287	0.17502	0.011405	0.80582	0.021669	0.64045	0.002462	0.95768	-0.02782
-0.04426	0.33988	0.127615	0.00575	0.18821	4.26E-05	-0.01633	0.72482	0.011903
-0.00892	0.84748	0.069062	0.13617	0.096617	0.03687	0.002822	0.95151	0.046261
-0.01449	0.75477	0.11087	0.01654	0.177557	0.00011	-0.03256	0.48274	0.016218
-0.02546	0.58317	0.033353	0.47211	0.016869	0.71616	-0.01491	0.74786	0.050834
0.001808	0.96892	0.191395	3.13E-05	0.197259	1.76E-05	0.010855	0.81502	0.097462
-0.04496	0.33227	0.110059	0.01735	0.165651	0.00032	0.009702	0.83437	0.040322
-0.06379	0.16873	0.045152	0.33024	0.062645	0.17654	-0.01021	0.82579	0.017892
-0.04142	0.37184	0.118986	0.01007	0.184002	6.34E-05	-0.00137	0.97652	0.032528
-0.04829	0.29771	0.062051	0.18069	0.082332	0.07549	-0.01495	0.74725	0.021104
-0.08953	0.05317	0.013351	0.77354	0.045989	0.32135	-0.05969	0.19792	-0.0141
-0.03255	0.48287	0.110924	0.01648	0.166345	0.00031	-0.0026	0.9553	0.032959
-0.0344	0.45826	0.032987	0.477	0.060628	0.19092	-0.05584	0.22845	-0.04438
-0.05823	0.20913	0.094636	0.04093	0.119381	0.00982	-0.01224	0.79187	0.012152
-0.05068	0.27441	0.116132	0.01202	0.129805	0.00496	0.027158	0.55826	0.069667
-0.06049	0.19191	0.127637	0.00574	0.176993	0.00012	0.01135	0.80675	0.020551
-0.05785	0.21213	0.119002	0.01006	0.192816	2.73E-05	-0.0412	0.37441	0.000698

-0.088	0.05739	-0.02571	0.57939	-0.02083	0.65342	-0.07561	0.10268	-0.04583
-0.05927	0.20105	0.04322	0.35138	0.094904	0.04036	-0.05608	0.22643	-0.01452
-0.01681	0.71711	0.122932	0.00782	0.149385	0.0012	0.014401	0.75627	0.052016
-0.00666	0.88583	0.184011	6.33E-05	0.278981	8.52E-10	0.029091	0.53059	0.029032
-0.02305	0.61928	0.106826	0.02095	0.138159	0.00277	-0.00192	0.96703	0.04229
-0.05231	0.25928	0.07114	0.12474	0.093177	0.04416	0.004478	0.92311	0.040477
0.043349	0.34993	0.008731	0.85074	0.032615	0.48199	0.038039	0.41215	-0.02241
0.025049	0.58924	0.021274	0.64656	0.025658	0.58021	-0.02572	0.5793	-0.00493
-0.00964	0.83545	0.080341	0.08286	0.086083	0.06306	-0.00315	0.94591	0.018525
-0.00271	0.95347	0.088619	0.05566	0.10802	0.01955	0.035306	0.44656	0.044629
-0.02392	0.60615	0.09595	0.0382	0.122115	0.00825	0.045332	0.32831	0.136318
-0.16495	0.00034	-0.11048	0.01693	-0.04901	0.29056	-0.12215	0.00823	-0.20916
-0.0675	0.14527	0.198546	1.54E-05	0.149527	0.00119	0.05688	0.21987	0.033424
-0.06245	0.17788	0.078147	0.09164	0.095335	0.03946	-0.00516	0.91145	0.040813
-0.06041	0.19249	0.02569	0.57974	0.070986	0.12556	-0.05363	0.24738	-0.07881
-0.06592	0.15497	0.107578	0.02006	0.144382	0.00176	-0.01626	0.72594	-0.01452
-0.00375	0.93563	0.091815	0.04737	0.020344	0.66102	0.002952	0.94927	0.031643
-0.03891	0.40155	0.084204	0.06906	0.118013	0.0107	0.011074	0.81136	0.025776
0.038894	0.4017	0.123091	0.00774	0.157752	0.00062	0.135156	0.00343	0.158006
0.010207	0.82589	0.047081	0.30998	0.016273	0.72579	-0.004	0.93131	0.070118
0.030437	0.51174	-0.00637	0.89082	0.033185	0.47436	0.03328	0.47309	-0.06773
0.048269	0.29791	0.065939	0.15483	0.057798	0.2125	0.077543	0.09418	0.017828
-0.13706	0.003	-0.02147	0.64359	0.000458	0.99212	-0.06965	0.13286	-0.05264
0.028975	0.53223	0.04977	0.28313	0.097373	0.03541	0.05764	0.21375	-0.04798
0.021684	0.64022	0.169641	0.00023	0.21326	3.32E-06	0.023728	0.60903	0.04534
-0.30714	1.17E-11	-0.01112	0.81055	-0.05243	0.25819	-0.09827	0.03374	-0.07993
-0.00494	0.91518	0.095185	0.03977	0.091124	0.04906	0.005858	0.89952	0.098737
-0.06944	0.13403	0.11213	0.01534	0.12042	0.00919	0.006054	0.89619	0.047164
-0.05363	0.24736	0.045219	0.32953	0.085043	0.06633	-0.09373	0.04291	-0.04042
-0.0052	0.91073	0.137258	0.00296	0.179062	1.00E-04	0.038775	0.40315	0.031616
6.76E-05	0.99884	0.132614	0.00409	0.142823	0.00197	-0.01144	0.80519	-0.00693
-0.03193	0.49118	0.123143	0.00772	0.164608	0.00035	-0.04272	0.35695	0.043501
-0.02246	0.62832	0.069126	0.1358	0.096048	0.038	-0.14453	0.00174	-0.0597
0.049096	0.2897	0.130096	0.00487	0.126162	0.00633	0.022899	0.6216	-0.01676
-0.07771	0.09348	0.121159	0.00877	0.055534	0.23099	0.004069	0.93011	0.132932
-0.00797	0.86361	0.010442	0.82194	0.059385	0.20019	-0.0377	0.4163	-0.03004
-0.15549	0.00075	-0.10997	0.01744	-0.0789	0.08856	-0.08855	0.05584	-0.08467
-0.07282	0.11604	0.047257	0.30817	0.086708	0.06117	-0.00934	0.8405	0.015413
-0.15927	0.00055	-0.01072	0.8173	-0.02896	0.53244	-0.09834	0.03362	-0.09694
-0.08987	0.05228	0.054651	0.23851	0.110832	0.01657	-0.05449	0.23989	0.00352
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-0.01428	0.75817	0.135354	0.00338	0.175612	0.00014	-0.00177	0.96953	0.042385
-0.08749	0.05885	0.041332	0.37283	0.095025	0.04011	-0.11295	0.0146	-0.05523
-0.07602	0.10085	0.053114	0.25199	0.089078	0.0544	-0.04079	0.37918	-0.01778
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-0.05185	0.26343	0.068999	0.13652	0.090895	0.04964	2.30E-06	0.99996	0.007248
0.080916	0.08067	0.236831	2.24E-07	0.229958	5.07E-07	0.028982	0.53213	0.066373
-0.07087	0.12618	0.058642	0.20589	0.094795	0.04059	-0.0298	0.52064	0.000285
0.617634	1.85E-50	0.580379	2.13E-43	0.34224	2.81E-14	0.431474	1.34E-22	0.623096
0.651129	1.14E-57	0.723644	6.65E-77	0.526086	1.34E-34	0.448319	1.80E-24	0.526174
0.470403	4.35E-27	0.444697	4.65E-24	0.186363	5.08E-05	0.388257	2.99E-18	0.447438
0.33547	9.55E-14	0.325675	5.33E-13	0.039769	0.39119	0.257141	1.73E-08	0.354499
0.174194	0.00015	0.223945	1.01E-06	0.004874	0.91634	0.178894	0.0001	0.392543
0.209603	4.92E-06	-0.09655	0.037	-0.11077	0.01664	0.141259	0.00221	0.055237
0.465787	1.59E-26	0.195276	2.14E-05	0.185416	5.55E-05	0.328773	3.11E-13	0.440075
0.520403	9.09E-34	0.417759	3.77E-21	0.147056	0.00144	0.413101	1.13E-20	0.5128
0.423238	1.01E-21	0.179183	9.89E-05	0.0329	0.47816	0.346962	1.17E-14	0.420526
0.568272	2.71E-41	0.339751	4.42E-14	0.338129	5.92E-14	0.348136	9.43E-15	0.257254
0.333855	1.27E-13	0.19809	1.62E-05	-0.1311	0.00454	0.387513	3.51E-18	0.355261
0.600267	4.72E-47	0.510302	2.50E-32	0.43972	1.68E-23	0.443887	5.74E-24	0.37467
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0.287586	2.41E-10	0.118186	0.01058	-0.04327	0.35084	0.111152	0.01626	0.04192
0.141916	0.00211	0.023278	0.61583	0.012522	0.78724	0.136098	0.00321	0.092298
0.475262	1.09E-27	0.411215	1.76E-20	0.244678	8.56E-08	0.354752	2.70E-15	0.462475
0.229163	5.56E-07	0.252869	3.02E-08	-0.00857	0.85348	0.228788	5.81E-07	0.227689
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0.363122	5.30E-16	0.084767	0.06722	-0.08079	0.08117	0.225987	8.03E-07	0.21789
0.112371	0.01512	0.134439	0.00361	-0.08707	0.0601	0.157836	0.00062	0.192902
0.331784	1.84E-13	0.139647	0.00249	0.037152	0.42313	0.123239	0.00767	-0.01525
0.074167	0.10945	0.08947	0.05334	-0.20632	6.95E-06	0.15411	0.00083	0.171849
0.724957	2.62E-77	0.500227	6.13E-31	0.388371	2.92E-18	0.502483	3.02E-31	0.521708
0.245759	7.47E-08	-0.12368	0.00745	-0.0374	0.42002	-0.02143	0.64417	-0.21392
0.209327	5.06E-06	-0.10675	0.02104	-0.19054	3.41E-05	0.199925	1.34E-05	0.188522
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0.415631	6.25E-21	0.128967	0.00525	0.209239	5.11E-06	0.185051	5.74E-05	0.154535
0.323659	7.53E-13	-0.02099	0.65096	0.111677	0.01576	0.071821	0.12116	0.071833
0.270047	3.02E-09	0.432732	9.82E-23	0.082342	0.07546	0.371071	1.08E-16	0.592312
0.336583	7.82E-14	0.023805	0.60786	0.074881	0.10607	0.032352	0.48553	-0.07396
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0.433848	7.42E-23	0.368396	1.86E-16	0.205244	7.78E-06	0.371142	1.07E-16	0.333069
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0.664336	9.03E-61	0.203234	9.58E-06	0.217244	2.15E-06	0.344789	1.76E-14	0.208998
0.382057	1.12E-17	0.263226	7.68E-09	0.073569	0.11235	0.271726	2.39E-09	0.462381
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0.18822	4.25E-05	-0.04652	0.31583	-0.1809	8.45E-05	0.041291	0.3733	-0.03872
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0.216354	2.37E-06	0.000187	0.99678	-0.16362	0.00038	0.089428	0.05345	0.035518
0.43968	1.70E-23	0.406946	4.71E-20	0.185476	5.52E-05	0.452087	6.65E-25	0.564276
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0.627787	1.49E-52	0.575185	1.75E-42	0.324669	6.33E-13	0.463436	3.06E-26	0.46693
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0.277052	1.12E-09	0.354477	2.84E-15	0.044045	0.34224	0.353651	3.33E-15	0.508048
0.487142	3.34E-29	0.42184	1.42E-21	0.189774	3.67E-05	0.394003	8.57E-19	0.41167
0.639013	5.87E-55	0.392708	1.14E-18	0.220654	1.47E-06	0.359797	1.02E-15	0.453549
0.384064	7.31E-18	0.188511	4.14E-05	-0.03709	0.42389	0.34381	2.10E-14	0.345934
0.492033	7.65E-30	0.571012	9.22E-42	0.20818	5.72E-06	0.477762	5.29E-28	0.591307
0.501022	4.78E-31	0.284224	3.97E-10	0.120816	0.00896	0.467151	1.09E-26	0.393433
0.405892	5.99E-20	0.419608	2.43E-21	0.170624	0.00021	0.348267	9.20E-15	0.434543
0.199414	1.42E-05	-0.01263	0.78538	-0.17812	0.00011	0.250598	4.05E-08	0.321499
0.4793	3.38E-28	0.196282	1.94E-05	0.082399	0.07525	0.319016	1.66E-12	0.353236

0.439874	1.61E-23	0.377081	3.16E-17	0.14018	0.0024	0.368787	1.72E-16	0.398579
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0.402856	1.19E-19	0.232083	3.95E-07	0.06704	0.14804	0.231334	4.32E-07	0.280901
0.525649	1.55E-34	0.17902	0.0001	0.235843	2.52E-07	0.184313	6.16E-05	-0.00685
0.596434	2.50E-46	0.557882	1.48E-39	0.330231	2.41E-13	0.486157	4.48E-29	0.568996
0.228436	6.06E-07	0.139087	0.00259	0.009264	0.84175	0.102408	0.0269	0.071533
0.281079	6.29E-10	0.318494	1.81E-12	0.115853	0.01223	0.272499	2.14E-09	0.349352
0.228897	5.74E-07	-0.0651	0.16013	-0.23698	2.20E-07	0.065318	0.15876	-0.0535

p.MMdarl	MMgreen	p.MMgreen	MMdark	orp.MMdarl	MMdarksl	p.MMdarl	MMdarkol	p.MMdarl
0.01089	0.27036	2.89E-09	0.215894	2.49E-06	0.30721	1.15E-11	0.268762	3.61E-09
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0.66269	0.10761	0.02002	0.08069	0.08153	0.278615	8.98E-10	0.075516	0.10313
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0.40251	0.109329	0.01811	0.143794	0.00184	0.203829	9.01E-06	0.072521	0.11757
0.3919	0.060963	0.18847	0.102135	0.02731	0.181135	8.27E-05	0.001826	0.9686
0.00044	0.050714	0.27408	0.12781	0.00568	0.201452	1.15E-05	-0.02533	0.58502
0.89633	0.137268	0.00295	0.134652	0.00355	0.203495	9.33E-06	0.084974	0.06655
0.14326	0.071194	0.12446	0.044672	0.33541	0.097948	0.03434	0.089586	0.05303
2.91E-05	0.005165	0.91137	0.104395	0.02406	0.177329	0.00012	-0.07193	0.12058
0.00105	0.181025	8.35E-05	0.24284	1.08E-07	0.227096	7.07E-07	0.205155	7.85E-06
0.73638	0.03398	0.46383	0.083526	0.07134	0.131271	0.00449	0.016481	0.72241
0.59499	0.107596	0.02003	0.168402	0.00026	0.163844	0.00038	0.043034	0.35345
0.23717	0.055237	0.2335	0.123794	0.0074	0.185662	5.42E-05	0.076632	0.09812
0.30837	0.176566	0.00013	0.159806	0.00053	0.238364	1.86E-07	0.084851	0.06695
0.00478	-0.01104	0.81187	-0.04248	0.3597	0.023091	0.61867	-0.00016	0.99725
0.43504	0.024628	0.59551	0.095375	0.03937	0.133428	0.00387	0.059091	0.20243
0.00729	0.057721	0.21311	0.094878	0.04042	0.222935	1.14E-06	0.023086	0.61874
1.06E-05	0.088402	0.05626	-0.05803	0.21069	0.10196	0.02758	-0.03416	0.46145
0.41208	0.166016	0.00031	0.196747	1.85E-05	0.235179	2.73E-07	0.169572	0.00023
0.55484	0.1397	0.00248	0.181923	7.69E-05	0.19943	1.41E-05	0.104455	0.02398
0.01202	-0.01967	0.67157	0.075544	0.103	0.109355	0.01808	-0.08118	0.07969
0.81356	0.149035	0.00124	0.146389	0.00151	0.29838	4.66E-11	0.093391	0.04368
0.96244	0.026385	0.56952	0.10134	0.02854	0.134	0.00372	0.07367	0.11185
0.01192	0.122562	0.00801	0.134027	0.00371	0.248023	5.62E-08	0.027324	0.55586
0.00473	-0.00691	0.88156	0.01112	0.81058	0.11694	0.01144	-0.03039	0.51234
0.09371	0.029428	0.52583	0.043366	0.34975	0.088154	0.05696	-0.12343	0.00758
0.30453	0.008376	0.85674	0.060268	0.19357	0.100116	0.03053	-0.04105	0.37611
0.5156	0.114111	0.01361	0.207497	6.14E-06	0.249706	4.54E-08	0.078659	0.08953
0.80405	0.127741	0.0057	0.18496	5.79E-05	0.254777	2.36E-08	0.019508	0.67413
0.93572	0.03604	0.43716	0.018395	0.69175	0.04792	0.30142	-0.04524	0.3293
0.15338	0.110133	0.01727	0.211253	4.12E-06	0.255174	2.24E-08	0.133073	0.00397
0.68709	0.073565	0.11237	0.125234	0.00673	0.148624	0.00128	0.024575	0.59629
0.70185	0.141532	0.00217	0.189714	3.69E-05	0.245071	8.15E-08	0.061612	0.1838
0.14534	-0.01725	0.71004	0.084392	0.06844	0.099521	0.03154	-0.08425	0.06889
0.16571	0.121761	0.00844	0.100939	0.02918	0.112632	0.01488	0.022736	0.62408
0.08975	0.189162	3.89E-05	0.249777	4.50E-08	0.297915	5.01E-11	0.182913	7.02E-05
0.35088	-0.02427	0.60091	0.074363	0.10851	0.116141	0.01202	0.01039	0.82281
0.20843	0.08842	0.05621	0.196494	1.90E-05	0.253636	2.74E-08	-0.00763	0.86936
3.82E-05	0.235027	2.78E-07	0.251476	3.62E-08	0.291463	1.35E-10	0.26659	4.86E-09
2.14E-06	0.368519	1.81E-16	0.33256	1.60E-13	0.251976	3.39E-08	0.40953	2.60E-20

6.28E-27	-0.00053	0.99089	0.199144	1.45E-05	0.051757	0.26432	0.308036	1.01E-11
2.03E-13	0.189212	3.87E-05	0.328089	3.51E-13	0.208727	5.40E-06	0.291532	1.33E-10
0.74972	-0.04603	0.32091	0.077949	0.09246	0.095808	0.03849	0.159417	0.00054
1.25E-07	0.23905	1.71E-07	0.267338	4.39E-09	0.271821	2.36E-09	0.252988	2.98E-08
2.51E-07	0.179653	9.47E-05	0.307461	1.11E-11	0.272095	2.27E-09	0.337954	6.11E-14
3.32E-19	0.241977	1.20E-07	0.346564	1.26E-14	0.160642	0.00049	0.340139	4.12E-14
1.20E-05	0.181379	8.09E-05	0.246617	6.71E-08	0.220355	1.52E-06	0.362055	6.54E-16
4.34E-18	0.109237	0.01821	0.289072	1.93E-10	0.158082	0.00061	0.40632	5.43E-20
2.50E-13	0.075539	0.10302	0.284025	4.09E-10	0.233094	3.50E-07	0.363455	4.96E-16
4.43E-32	0.230883	4.55E-07	0.345844	1.44E-14	0.222216	1.23E-06	0.435248	5.22E-23
1.59E-08	0.178285	0.00011	0.263477	7.43E-09	0.129071	0.00521	0.332273	1.68E-13
2.93E-34	0.14547	0.00162	0.287149	2.58E-10	0.157018	0.00066	0.440119	1.52E-23
2.13E-12	0.279203	8.25E-10	0.352888	3.85E-15	0.346282	1.33E-14	0.490248	1.31E-29
8.90E-53	0.123637	0.00747	0.20265	1.02E-05	0.042775	0.35636	0.475244	1.09E-27
1.86E-06	0.158398	0.00059	0.318402	1.83E-12	0.242153	1.17E-07	0.621107	3.63E-51
9.01E-32	0.203732	9.10E-06	0.258371	1.47E-08	0.08761	0.05851	0.447107	2.48E-24
2.88E-06	0.211203	4.15E-06	0.217595	2.07E-06	0.150692	0.00109	0.300162	3.53E-11
7.12E-12	0.566647	5.12E-41	0.576746	9.32E-43	0.594015	7.09E-46	0.623024	1.46E-51
4.09E-07	0.07691	0.0969	0.21467	2.85E-06	0.168384	0.00026	0.291583	1.32E-10
8.89E-09	0.349136	7.82E-15	0.043658	0.34652	0.120008	0.00944	-0.14828	0.00131
1.51E-17	0.327232	4.07E-13	0.292358	1.18E-10	0.372137	8.71E-17	0.487299	3.19E-29
1.88E-51	0.14298	0.00195	0.270897	2.68E-09	0.111999	0.01546	0.339336	4.76E-14
9.73E-30	0.34338	2.28E-14	0.363793	4.64E-16	0.2893	1.87E-10	0.53628	3.94E-36
3.92E-06	-0.01854	0.68951	-0.23181	4.08E-07	-0.14393	0.00182	-0.12719	0.00592
0.50475	0.211394	4.06E-06	0.313251	4.32E-12	0.372602	7.93E-17	0.19399	2.43E-05
0.08825	0.139463	0.00252	0.261742	9.38E-09	0.337587	6.53E-14	0.194375	2.34E-05
1.05E-17	0.018939	0.68311	0.18052	8.75E-05	0.067911	0.14283	0.226811	7.31E-07
6.28E-07	0.238297	1.88E-07	0.393627	9.31E-19	0.302315	2.52E-11	0.294123	8.99E-11
6.55E-06	0.428154	3.05E-22	0.400959	1.83E-19	0.427112	3.94E-22	0.460414	7.02E-26
1.07E-05	0.10842	0.0191	0.360955	8.11E-16	0.285511	3.28E-10	0.273157	1.95E-09
0.96459	0.262452	8.53E-09	0.324721	6.28E-13	0.296062	6.68E-11	0.248788	5.10E-08
1.53E-37	0.408709	3.14E-20	0.476721	7.15E-28	0.357278	1.66E-15	0.599095	7.88E-47
2.58E-06	0.22064	1.47E-06	0.355752	2.23E-15	0.357692	1.53E-15	0.450462	1.02E-24
8.64E-12	0.125166	0.00676	-0.10665	0.02116	-0.05415	0.24286	-0.35351	3.42E-15
1.66E-23	0.258746	1.40E-08	0.398335	3.29E-19	0.389344	2.36E-18	0.460153	7.54E-26
8.63E-36	0.421767	1.45E-21	0.52967	3.93E-35	0.463715	2.83E-26	0.656782	5.61E-59
8.12E-16	0.045993	0.32131	0.078102	0.09182	0.03851	0.40638	0.297804	5.10E-11
0.00514	0.024595	0.59601	-0.08791	0.05764	-0.11585	0.01224	-0.22153	1.33E-06
3.25E-07	0.288275	2.18E-10	0.367924	2.04E-16	0.325201	5.78E-13	0.401358	1.67E-19
1.73E-17	0.293428	1.00E-10	0.303849	1.97E-11	0.206969	6.50E-06	0.219194	1.73E-06
3.97E-20	0.313405	4.21E-12	0.462393	4.07E-26	0.347033	1.16E-14	0.535167	5.82E-36
0.15956	0.39573	5.86E-19	0.37036	1.25E-16	0.295966	6.78E-11	0.23909	1.70E-07
1.82E-33	0.225302	8.69E-07	0.414127	8.90E-21	0.298286	4.73E-11	0.509431	3.31E-32
2.37E-14	0.433444	8.21E-23	0.455023	3.03E-25	0.472679	2.28E-27	0.67887	2.26E-64
0.0111	0.145619	0.0016	0.208321	5.63E-06	0.174961	0.00014	0.251392	3.66E-08

0.00027	0.25082	3.93E-08	0.232506	3.76E-07	0.270154	2.97E-09	0.256008	2.01E-08
3.31E-13	0.072582	0.11726	0.09537	0.03939	0.117541	0.01102	0.30807	1.00E-11
5.47E-06	0.379878	1.77E-17	0.395149	6.67E-19	0.407655	4.00E-20	0.467488	9.89E-27
3.72E-06	0.101033	0.02903	0.235619	2.59E-07	0.212709	3.53E-06	0.373464	6.65E-17
2.58E-49	0.28431	3.92E-10	0.338631	5.41E-14	0.25216	3.31E-08	0.537935	2.20E-36
2.03E-34	0.480685	2.26E-28	0.559905	6.88E-40	0.510875	2.08E-32	0.81051	#####
3.37E-10	0.218824	1.80E-06	0.228682	5.88E-07	0.177018	0.00012	0.377859	2.69E-17
1.75E-18	0.287324	2.51E-10	0.336712	7.64E-14	0.324297	6.75E-13	0.456902	1.83E-25
3.98E-09	0.243421	1.00E-07	0.358218	1.38E-15	0.358315	1.36E-15	0.484722	6.87E-29
1.89E-10	0.372614	7.91E-17	0.499697	7.23E-31	0.46179	4.81E-26	0.463647	2.88E-26
5.31E-07	0.056174	0.22565	0.204287	8.59E-06	0.106505	0.02134	0.204061	8.80E-06
2.92E-06	0.098519	0.0333	0.181421	8.05E-05	0.175124	0.00014	0.353018	3.75E-15
5.97E-05	0.163954	0.00037	0.363928	4.52E-16	0.286453	2.86E-10	0.264399	6.55E-09
2.41E-24	0.285481	3.30E-10	0.426817	4.24E-22	0.313611	4.07E-12	0.411962	1.48E-20
2.62E-07	-0.14288	0.00197	0.011661	0.80155	-0.03107	0.50299	-0.00253	0.95653
1.34E-06	0.018754	0.68605	0.223162	1.11E-06	0.09939	0.03176	0.23062	4.69E-07
2.50E-09	0.255823	2.06E-08	0.295104	7.74E-11	0.269075	3.45E-09	0.41698	4.54E-21
2.24E-16	0.227706	6.59E-07	0.297183	5.62E-11	0.256791	1.81E-08	0.371559	9.80E-17
2.08E-17	0.340996	3.52E-14	0.367681	2.14E-16	0.2662	5.13E-09	0.651341	1.02E-57
0.00694	0.067	0.14828	0.200076	1.32E-05	0.282708	4.96E-10	0.217422	2.11E-06
9.44E-10	0.191972	2.96E-05	-0.01832	0.69293	0.024831	0.59248	-0.02135	0.64543
3.38E-06	0.135924	0.00325	0.28584	3.13E-10	0.258932	1.37E-08	0.260575	1.10E-08
2.67E-24	-0.27593	1.32E-09	-0.40207	1.43E-19	-0.37577	4.14E-17	-0.53581	4.64E-36
3.93E-21	0.447641	2.16E-24	0.513846	7.92E-33	0.506095	9.64E-32	0.581808	1.19E-43
2.44E-17	0.261024	1.03E-08	0.35141	5.09E-15	0.204882	8.08E-06	0.348349	9.06E-15
0.0003	-0.03036	0.51283	0.094005	0.0423	0.153864	0.00085	0.067257	0.14673
1.30E-22	0.000174	0.99701	0.171151	0.0002	0.056121	0.22609	0.29163	1.31E-10
2.80E-24	0.374492	5.39E-17	0.412593	1.27E-20	0.36274	5.72E-16	0.403765	9.72E-20
1.68E-07	0.033186	0.47434	0.185722	5.39E-05	0.165699	0.00032	0.342898	2.49E-14
6.51E-23	-0.26521	5.87E-09	-0.32762	3.80E-13	-0.2894	1.84E-10	-0.43333	8.45E-23
0.00049	0.147407	0.0014	0.148946	0.00125	0.074026	0.11013	0.229464	5.37E-07
0.01515	0.252936	3.00E-08	0.124405	0.00711	0.158971	0.00056	-0.23135	4.31E-07
3.23E-08	-0.17514	0.00014	-0.23231	3.85E-07	-0.18144	8.04E-05	-0.12496	0.00685
2.84E-25	-0.20352	9.30E-06	-0.24996	4.39E-08	-0.2437	9.67E-08	-0.3592	1.14E-15
1.69E-18	0.391778	1.39E-18	0.415341	6.69E-21	0.372048	8.87E-17	0.425877	5.34E-22
0.81665	0.359305	1.12E-15	0.136045	0.00322	0.139203	0.00257	-0.01388	0.76483
2.16E-09	0.168946	0.00024	0.443107	7.02E-24	0.299067	4.19E-11	0.363653	4.77E-16
2.42E-20	0.043516	0.34809	-0.03742	0.41983	0.066258	0.15284	-0.23392	3.18E-07
7.67E-11	-0.07355	0.11246	-0.15599	0.00072	-0.10218	0.02725	-0.22834	6.12E-07
9.14E-07	-0.31601	2.74E-12	-0.35296	3.79E-15	-0.40257	1.27E-19	-0.33627	8.27E-14
2.52E-09	0.386964	3.94E-18	0.454778	3.24E-25	0.405854	6.04E-20	0.334043	1.23E-13
1.61E-06	0.147753	0.00136	0.3037	2.02E-11	0.174611	0.00015	0.254758	2.36E-08
3.67E-12	0.27629	1.25E-09	0.343705	2.14E-14	0.350152	6.46E-15	0.469491	5.63E-27
2.03E-16	0.283348	4.52E-10	0.328371	3.34E-13	0.171336	0.0002	0.446068	3.25E-24
4.02E-24	0.390688	1.77E-18	0.50545	1.18E-31	0.425855	5.37E-22	0.515103	5.25E-33

1.43E-23	-0.168	0.00027	-0.16335	0.00039	-0.14969	0.00118	-0.45806	1.34E-25
7.23E-25	0.240067	1.51E-07	0.401909	1.48E-19	0.31085	6.40E-12	0.531668	1.97E-35
7.88E-28	-0.25582	2.06E-08	-0.3586	1.28E-15	-0.34013	4.13E-14	-0.56689	4.67E-41
0.00017	0.215579	2.58E-06	0.006557	0.88762	-0.01018	0.82641	-0.14743	0.0014
0.01877	0.087304	0.0594	-0.09274	0.04517	-0.21411	3.03E-06	-0.09137	0.04844
2.68E-21	-0.02052	0.65825	-0.074	0.11027	-0.02041	0.66003	-0.22237	1.21E-06
7.46E-09	-0.16832	0.00026	-0.09262	0.04545	-0.15571	0.00073	-0.38741	3.59E-18
1.43E-06	0.416758	4.78E-21	0.464166	2.50E-26	0.464892	2.04E-26	0.39504	6.83E-19
5.90E-22	0.076923	0.09685	-0.11493	0.01295	0.039006	0.40036	-0.21567	2.56E-06
1.31E-33	0.151158	0.00105	0.360795	8.37E-16	0.242516	1.12E-07	0.415296	6.76E-21
4.23E-33	0.406063	5.76E-20	0.4908	1.11E-29	0.418062	3.51E-21	0.618926	1.01E-50
1.76E-28	-0.20948	4.98E-06	-0.25412	2.57E-08	-0.24087	1.37E-07	-0.42983	2.02E-22
0.00191	0.070074	0.13051	-0.09336	0.04375	-0.21251	3.60E-06	-0.20887	5.32E-06
1.39E-27	0.392479	1.20E-18	0.38171	1.20E-17	0.40265	1.25E-19	0.5388	1.62E-36
0.00117	0.161779	0.00045	0.2103	4.57E-06	0.158137	0.0006	0.293046	1.06E-10
0.77774	0.06125	0.1864	0.234113	3.11E-07	0.172472	0.00018	0.16722	0.00028
6.69E-16	0.193476	2.56E-05	0.250679	4.01E-08	0.209568	4.94E-06	0.603713	1.03E-47
0.29194	-0.11813	0.01062	-0.11107	0.01634	-0.20643	6.87E-06	-0.11536	0.01261
5.86E-14	0.166048	0.00031	0.242588	1.11E-07	0.186626	4.95E-05	0.374302	5.60E-17
1.57E-05	0.141852	0.00212	-0.07277	0.11633	-0.04094	0.37736	-0.2287	5.87E-07
3.61E-41	0.313318	4.27E-12	0.463715	2.83E-26	0.309355	8.16E-12	0.494211	3.93E-30
0.00286	0.037421	0.41979	0.194669	2.27E-05	0.086838	0.06078	0.164742	0.00035
0.0002	0.001331	0.97712	0.157179	0.00065	0.225882	8.13E-07	0.253004	2.97E-08
7.40E-26	0.072579	0.11728	-0.00407	0.93006	0.010992	0.81273	-0.28048	6.86E-10
3.74E-21	0.236785	2.25E-07	0.296676	6.07E-11	0.217847	2.01E-06	0.38512	5.84E-18
3.15E-16	0.201677	1.12E-05	0.327253	4.05E-13	0.296627	6.12E-11	0.345646	1.50E-14
0.0002	0.070845	0.12632	0.148726	0.00127	0.144313	0.00177	0.293135	1.05E-10
1.77E-23	0.109389	0.01805	0.342212	2.82E-14	0.193401	2.58E-05	0.453503	4.56E-25
0.00255	0.01194	0.79692	-0.18682	4.86E-05	-0.21871	1.83E-06	-0.17461	0.00015
4.11E-11	0.003024	0.94803	0.104199	0.02433	0.101428	0.0284	0.182328	7.41E-05
5.71E-08	-0.25677	1.82E-08	-0.33795	6.11E-14	-0.36879	1.71E-16	-0.41713	4.38E-21
0.00048	0.456497	2.04E-25	0.459829	8.24E-26	0.446732	2.74E-24	0.319571	1.51E-12
6.43E-24	0.044412	0.33824	0.162787	0.00041	0.092868	0.04487	0.222926	1.14E-06
2.34E-38	0.216357	2.37E-06	0.298323	4.71E-11	0.225974	8.05E-07	0.383682	7.93E-18
3.49E-10	0.261511	9.68E-09	0.352644	4.03E-15	0.251164	3.76E-08	0.279784	7.59E-10
2.86E-11	0.163704	0.00038	0.288645	2.06E-10	0.245622	7.60E-08	0.343109	2.39E-14
2.51E-07	0.063455	0.171	-0.12161	0.00852	-0.02671	0.56475	-0.25934	1.29E-08
7.57E-17	0.26364	7.26E-09	0.471945	2.81E-27	0.409799	2.44E-20	0.456884	1.83E-25
7.90E-43	0.174044	0.00016	0.38996	2.07E-18	0.233907	3.18E-07	0.546284	1.10E-37
4.95E-48	0.30655	1.28E-11	0.411247	1.74E-20	0.286141	2.99E-10	0.482384	1.37E-28
0.01121	0.154639	0.0008	0.228255	6.18E-07	0.286196	2.97E-10	0.310465	6.81E-12
0.00056	-0.0837	0.07076	-0.16856	0.00025	-0.09362	0.04317	-0.13553	0.00334
1.32E-17	0.330244	2.41E-13	0.272868	2.03E-09	0.203154	9.66E-06	0.441557	1.05E-23
6.20E-13	0.060094	0.19486	0.338065	5.99E-14	0.215835	2.51E-06	0.398518	3.16E-19
2.11E-39	0.36888	1.68E-16	0.427589	3.51E-22	0.338702	5.34E-14	0.56143	3.84E-40

0.02112	0.200902	1.22E-05	0.310555	6.71E-12	0.295547	7.23E-11	0.221405	1.35E-06
0.05456	0.016814	0.71705	0.137929	0.00282	0.204734	8.20E-06	0.050956	0.2718
8.56E-44	0.061839	0.18219	0.213171	3.35E-06	0.04369	0.34616	0.388433	2.88E-18
2.19E-08	0.31138	5.87E-12	0.426951	4.10E-22	0.399729	2.41E-19	0.439046	1.99E-23
0.00013	-0.2808	6.55E-10	0.026499	0.56786	-0.04126	0.37365	-0.09623	0.03763
1.15E-21	0.449616	1.28E-24	0.458776	1.10E-25	0.42116	1.67E-21	0.455739	2.50E-25
8.39E-21	0.229599	5.29E-07	0.299992	3.63E-11	0.218393	1.89E-06	0.376265	3.74E-17
8.78E-05	0.31016	7.16E-12	0.320297	1.33E-12	0.269666	3.18E-09	0.309164	8.42E-12
0.09313	0.20419	8.68E-06	0.244776	8.45E-08	0.227056	7.10E-07	0.197385	1.74E-05
0.18012	0.469661	5.37E-27	0.449012	1.50E-24	0.518798	1.55E-33	0.326848	4.35E-13
1.18E-11	-0.02108	0.6496	0.052347	0.25891	0.010805	0.81586	0.277643	1.03E-09
4.45E-08	0.397665	3.82E-19	0.477583	5.57E-28	0.520971	7.52E-34	0.463758	2.79E-26
6.74E-31	0.294195	8.90E-11	0.35572	2.24E-15	0.256035	2.00E-08	0.523972	2.74E-34
1.15E-27	0.042784	0.35626	-0.07297	0.11529	0.005725	0.90179	-0.36327	5.15E-16
1.98E-19	0.403499	1.03E-19	0.374031	5.92E-17	0.398633	3.08E-19	0.427198	3.86E-22
1.99E-36	0.405328	6.81E-20	0.506612	8.17E-32	0.426055	5.11E-22	0.592283	1.49E-45
6.30E-22	0.171311	0.0002	0.280731	6.62E-10	0.181829	7.76E-05	0.43607	4.24E-23
2.43E-22	0.106666	0.02114	0.113886	0.0138	0.059806	0.19701	0.401857	1.50E-19
1.76E-09	-0.04724	0.30837	0.064694	0.16279	-0.07868	0.08945	0.127449	0.00581
2.79E-23	0.232273	3.86E-07	0.381856	1.17E-17	0.279943	7.42E-10	0.456056	2.29E-25
0.62978	-0.0399	0.38964	0.11528	0.01267	0.050434	0.27675	0.064736	0.16251
0.06673	0.006506	0.88849	0.208793	5.36E-06	0.140798	0.00229	0.153468	0.00088
5.73E-18	0.172196	0.00018	0.389478	2.30E-18	0.27883	8.71E-10	0.325855	5.16E-13
8.18E-22	0.246512	6.80E-08	0.393211	1.02E-18	0.301634	2.80E-11	0.471042	3.63E-27
5.70E-55	0.408983	2.95E-20	0.500336	5.92E-31	0.373654	6.39E-17	0.600441	4.38E-47
1.80E-54	0.252201	3.29E-08	0.270242	2.94E-09	0.17044	0.00022	0.517023	2.79E-33
1.82E-26	0.214458	2.92E-06	0.376356	3.67E-17	0.255843	2.05E-08	0.317005	2.32E-12
1.83E-20	0.239887	1.55E-07	0.31123	6.01E-12	0.290766	1.50E-10	0.377305	3.02E-17
1.42E-32	0.166822	0.00029	0.240897	1.37E-07	0.1164	0.01183	0.424182	8.06E-22
1.82E-07	0.076889	0.097	0.253454	2.80E-08	0.088034	0.0573	0.243014	1.05E-07
0.00016	-0.00337	0.94213	0.143051	0.00194	0.093328	0.04382	0.196651	1.87E-05
1.46E-89	0.37663	3.47E-17	0.417705	3.82E-21	0.316061	2.71E-12	0.597647	1.48E-46
0.01607	0.142921	0.00196	0.268426	3.78E-09	0.257792	1.59E-08	0.322412	9.32E-13
2.08E-05	0.353365	3.51E-15	0.341788	3.05E-14	0.422028	1.36E-21	0.342481	2.68E-14
1.00E-19	-0.09983	0.03102	-0.20376	9.07E-06	-0.12073	0.00901	-0.32515	5.83E-13
0.00307	0.062671	0.17637	0.104286	0.02421	0.157935	0.00061	0.192672	2.77E-05
4.01E-10	-0.0543	0.24157	0.128781	0.00532	0.077203	0.09564	0.223928	1.02E-06
2.85E-19	0.298607	4.50E-11	0.343785	2.11E-14	0.36618	2.89E-16	0.492257	7.14E-30
7.36E-38	0.24748	6.02E-08	0.240061	1.51E-07	0.169269	0.00024	0.477249	6.13E-28
0.30787	0.13431	0.00364	0.244002	9.31E-08	0.253013	2.97E-08	0.262077	8.97E-09
0.39601	0.108397	0.01912	0.119823	0.00955	0.144733	0.00171	0.140523	0.00234
7.39E-33	0.194703	2.27E-05	0.205647	7.46E-06	0.142874	0.00197	0.413649	9.96E-21
1.21E-08	0.160631	0.00049	0.400571	2.00E-19	0.353747	3.27E-15	0.402122	1.41E-19
0.00024	0.354313	2.93E-15	0.405374	6.74E-20	0.359064	1.17E-15	0.393509	9.56E-19
0.00035	0.402728	1.23E-19	0.120206	0.00932	0.111567	0.01586	0.01489	0.74826



3.06E-06	0.152456	0.00095	0.217804	2.02E-06	0.126576	0.00616	0.290547	1.55E-10
5.98E-18	0.177678	0.00011	0.213012	3.41E-06	0.15724	0.00065	0.337306	6.87E-14
2.40E-31	0.2869	2.67E-10	0.336296	8.24E-14	0.274497	1.62E-09	0.488784	2.04E-29
5.45E-14	-0.13873	0.00266	-0.16455	0.00036	-0.09323	0.04404	-0.33733	6.84E-14
4.04E-29	0.406955	4.70E-20	0.473976	1.57E-27	0.436965	3.38E-23	0.817082	#####
0.04484	0.194647	2.28E-05	0.372307	8.42E-17	0.365708	3.18E-16	0.332325	1.67E-13
1.76E-17	0.237919	1.97E-07	0.341713	3.09E-14	0.234325	3.03E-07	0.465744	1.61E-26
0.00016	-0.03041	0.51204	0.19185	3.00E-05	0.117019	0.01138	0.224029	1.01E-06
5.08E-15	0.429027	2.46E-22	0.554628	5.05E-39	0.566452	5.52E-41	0.536017	4.32E-36
0.88494	0.108525	0.01898	-0.13296	0.004	-0.10588	0.02211	-0.07345	0.11294
1.19E-16	0.361994	6.62E-16	0.373562	6.52E-17	0.361234	7.68E-16	0.394166	8.27E-19
4.99E-12	0.27979	7.58E-10	0.407181	4.46E-20	0.29331	1.02E-10	0.391696	1.42E-18
0.00089	0.211121	4.18E-06	0.240653	1.41E-07	0.131025	0.00457	0.220134	1.56E-06
1.30E-06	0.339903	4.30E-14	0.083631	0.07098	0.118848	0.01015	-0.1518	0.001
6.84E-08	0.076449	0.09893	0.063578	0.17018	0.069091	0.136	0.339304	4.79E-14
9.91E-24	0.518359	1.79E-33	0.557702	1.59E-39	0.476136	8.46E-28	0.538874	1.57E-36
1.81E-17	0.289813	1.73E-10	0.315626	2.92E-12	0.276251	1.26E-09	0.448776	1.60E-24
2.78E-18	0.259315	1.30E-08	0.332169	1.72E-13	0.295741	7.02E-11	0.509569	3.17E-32
1.90E-11	0.100632	0.02968	0.232334	3.84E-07	0.175804	0.00013	0.303284	2.16E-11
1.27E-06	0.119395	0.00981	-0.07851	0.09012	-0.02553	0.58215	-0.2596	1.25E-08
4.85E-13	0.270225	2.94E-09	0.297977	4.97E-11	0.318521	1.80E-12	0.368054	1.99E-16
1.59E-29	0.487189	3.29E-29	0.556862	2.18E-39	0.538468	1.82E-36	0.619502	7.72E-51
1.04E-09	0.236491	2.34E-07	0.356856	1.80E-15	0.336461	8.00E-14	0.32896	3.01E-13
1.89E-13	0.098059	0.03413	0.230928	4.53E-07	0.146411	0.00151	0.186508	5.01E-05
2.84E-33	0.337465	6.68E-14	0.503179	2.43E-31	0.478126	4.76E-28	0.493707	4.59E-30
7.44E-38	0.258927	1.37E-08	0.304768	1.71E-11	0.121939	0.00834	0.402595	1.27E-19
2.75E-09	-0.16358	0.00039	-0.32451	6.51E-13	-0.32883	3.08E-13	-0.43749	2.96E-23
0.02288	0.044489	0.33741	0.281269	6.12E-10	0.189763	3.67E-05	0.29735	5.47E-11
3.56E-10	0.26428	6.66E-09	0.312483	4.90E-12	0.220488	1.50E-06	0.32849	3.27E-13
0.00279	-0.06508	0.16026	0.066112	0.15375	0.036177	0.43541	0.108015	0.01955
5.74E-23	0.229283	5.49E-07	0.347259	1.11E-14	0.193018	2.67E-05	0.368685	1.75E-16
1.41E-25	0.414595	7.97E-21	0.534616	7.06E-36	0.476186	8.34E-28	0.561437	3.83E-40
2.17E-08	0.143096	0.00194	0.221974	1.27E-06	0.113643	0.014	0.284334	3.91E-10
0.00298	0.240335	1.46E-07	0.259179	1.32E-08	0.336191	8.39E-14	0.2488	5.09E-08
2.09E-26	0.146892	0.00146	0.296526	6.22E-11	0.181156	8.25E-05	0.497261	1.54E-30
5.45E-11	-0.02688	0.56226	0.160185	0.00051	0.041948	0.36575	0.270909	2.68E-09
4.22E-06	0.085628	0.06448	0.086701	0.06119	0.093239	0.04402	0.238652	1.80E-07
6.36E-63	0.242964	1.06E-07	0.269654	3.19E-09	0.175486	0.00014	0.396045	5.47E-19
2.79E-23	0.056149	0.22586	0.180285	8.94E-05	-0.02193	0.63647	0.314759	3.37E-12
2.81E-11	0.372016	8.93E-17	0.464627	2.20E-26	0.415784	6.02E-21	0.725133	2.31E-77
0.1684	0.054014	0.24403	0.121786	0.00842	0.205474	7.60E-06	0.225963	8.06E-07
5.19E-16	0.244611	8.63E-08	0.366923	2.49E-16	0.29024	1.62E-10	0.322641	8.96E-13
4.67E-22	0.41996	2.23E-21	0.57436	2.43E-42	0.476169	8.38E-28	0.552989	9.31E-39
6.90E-18	0.231689	4.14E-07	0.273857	1.77E-09	0.249974	4.38E-08	0.450059	1.14E-24
6.05E-33	0.424004	8.42E-22	0.498316	1.11E-30	0.427611	3.49E-22	0.575917	1.30E-42

3.15E-06	0.227821	6.50E-07	0.272679	2.09E-09	0.340117	4.13E-14	0.376782	3.36E-17
8.29E-07	0.127026	0.00598	0.283317	4.54E-10	0.188376	4.19E-05	0.266685	4.80E-09
0.00012	-0.18157	7.94E-05	0.059648	0.1982	-0.11578	0.01229	0.13934	0.00255
1.66E-20	0.093065	0.04442	0.175453	0.00014	0.180046	9.14E-05	0.283353	4.51E-10
2.78E-29	0.100328	0.03018	0.189157	3.89E-05	0.122555	0.00802	0.425911	5.29E-22
5.14E-22	0.2595	1.27E-08	0.273341	1.90E-09	0.113874	0.01381	0.342743	2.56E-14
3.83E-19	0.447168	2.44E-24	0.546097	1.17E-37	0.514376	6.66E-33	0.541672	5.80E-37
4.24E-18	0.192085	2.93E-05	0.302458	2.46E-11	0.178462	0.00011	0.300769	3.21E-11
8.29E-09	0.147902	0.00135	0.179155	9.91E-05	0.157077	0.00066	0.319958	1.41E-12
0.51047	-0.08893	0.05481	-0.24384	9.49E-08	-0.24307	1.05E-07	-0.25979	1.22E-08
1.34E-23	0.281537	5.89E-10	0.445316	3.96E-24	0.316926	2.35E-12	0.584952	3.24E-44
0.20481	-0.1152	0.01273	0.094562	0.04109	0.017415	0.70739	0.12395	0.00732
1.16E-08	-0.10844	0.01908	-0.24459	8.65E-08	-0.19699	1.80E-05	-0.25876	1.40E-08
4.98E-28	0.282095	5.43E-10	0.457244	1.66E-25	0.359647	1.05E-15	0.547977	5.92E-38
8.23E-20	-0.24012	1.50E-07	-0.31249	4.90E-12	-0.23401	3.14E-07	-0.44182	9.79E-24
0.00013	-0.07047	0.12832	-0.246	7.25E-08	-0.28869	2.05E-10	-0.30689	1.22E-11
0.49597	0.217511	2.09E-06	0.290084	1.66E-10	0.278451	9.20E-10	0.281562	5.86E-10
5.19E-48	0.453694	4.33E-25	0.513494	8.88E-33	0.417381	4.13E-21	0.608542	1.19E-48
2.05E-23	0.459114	1.00E-25	0.479324	3.36E-28	0.467764	9.15E-27	0.774057	2.33E-94
1.16E-41	0.473798	1.66E-27	0.528146	6.63E-35	0.420186	2.11E-21	0.567235	4.07E-41
0.00022	0.151293	0.00104	0.269101	3.44E-09	0.342369	2.74E-14	0.249091	4.91E-08
2.62E-15	0.22396	1.01E-06	0.232987	3.55E-07	0.143102	0.00193	0.462366	4.11E-26
4.44E-72	0.339869	4.32E-14	0.427723	3.40E-22	0.329947	2.54E-13	0.544975	1.77E-37
0.00929	0.09937	0.0318	-0.05032	0.27782	0.003221	0.94465	-0.07883	0.08885
7.19E-35	0.399999	2.27E-19	0.518738	1.58E-33	0.433217	8.69E-23	0.591843	1.79E-45
2.50E-07	-0.0354	0.44538	-0.07439	0.1084	-0.05986	0.19659	-0.12162	0.00851
6.45E-09	-0.15797	0.00061	-0.28405	4.07E-10	-0.17451	0.00015	-0.19146	3.11E-05
0.01089	-0.0296	0.52345	0.188489	4.15E-05	0.128614	0.00538	0.213335	3.30E-06
1.63E-13	-0.03428	0.45989	0.135046	0.00346	-0.01875	0.68608	0.33806	6.00E-14
2.27E-15	-0.05441	0.24059	0.100773	0.02945	-0.06278	0.17565	0.20459	8.33E-06
0.0109	0.154094	0.00083	0.090314	0.05112	0.127744	0.0057	0.375163	4.69E-17
9.69E-25	-0.29671	6.04E-11	-0.24205	1.19E-07	-0.24541	7.80E-08	-0.45898	1.04E-25
1.15E-17	-0.02813	0.5442	-0.21449	2.91E-06	-0.15696	0.00066	-0.36965	1.44E-16
2.86E-05	0.221377	1.36E-06	0.393546	9.48E-19	0.331854	1.81E-13	0.282017	5.49E-10
0.0004	0.251266	3.71E-08	0.382251	1.07E-17	0.307311	1.14E-11	0.639539	4.50E-55
1.02E-32	0.296363	6.37E-11	0.437424	3.01E-23	0.301574	2.83E-11	0.542945	3.67E-37
5.98E-52	0.237372	2.10E-07	0.324178	6.89E-13	0.268403	3.79E-09	0.495227	2.88E-30
7.42E-09	0.125788	0.00649	0.01402	0.76251	0.097871	0.03448	-0.1562	0.00071
2.27E-25	0.161711	0.00045	0.144636	0.00173	0.123558	0.00751	0.474113	1.51E-27
2.87E-41	0.134057	0.0037	0.195142	2.17E-05	0.095227	0.03968	0.373725	6.30E-17
5.70E-39	0.227825	6.50E-07	0.351036	5.47E-15	0.244896	8.33E-08	0.562915	2.17E-40
0.00023	-0.04442	0.3381	0.018738	0.68629	-0.07242	0.11808	0.227998	6.37E-07
1.74E-11	0.040573	0.38168	0.212749	3.51E-06	0.200483	1.27E-05	0.343237	2.34E-14
8.46E-09	0.050497	0.27615	0.085149	0.06599	0.114463	0.01332	0.186887	4.83E-05
6.39E-11	0.212555	3.59E-06	0.230411	4.81E-07	0.248647	5.19E-08	0.365691	3.19E-16

0.0004	0.327256	4.05E-13	0.372432	8.20E-17	0.296841	5.92E-11	0.453676	4.35E-25
8.57E-11	0.065487	0.15769	0.22156	1.33E-06	0.130261	0.00481	0.348224	9.27E-15
7.71E-13	-0.07253	0.11755	-0.18177	7.80E-05	-0.06005	0.19519	-0.29893	4.28E-11
1.19E-05	0.212196	3.73E-06	0.29661	6.14E-11	0.25189	3.43E-08	0.290019	1.68E-10
1.05E-20	0.481523	1.76E-28	0.58091	1.72E-43	0.50605	9.77E-32	0.555698	3.38E-39
3.65E-10	0.449606	1.28E-24	0.514727	5.93E-33	0.466926	1.16E-26	0.440669	1.32E-23
1.86E-22	0.358157	1.40E-15	0.542288	4.65E-37	0.489687	1.56E-29	0.538664	1.70E-36
3.99E-38	0.443143	6.96E-24	0.514535	6.32E-33	0.407981	3.71E-20	0.577533	6.78E-43
7.21E-25	0.353772	3.25E-15	0.517365	2.49E-33	0.435182	5.31E-23	0.602872	1.50E-47
2.14E-06	0.236186	2.42E-07	0.296828	5.93E-11	0.234381	3.01E-07	0.342815	2.53E-14
0.09414	0.152865	0.00092	0.307407	1.12E-11	0.186654	4.94E-05	0.209018	5.23E-06
7.03E-09	0.25685	1.80E-08	0.423272	1.01E-21	0.268766	3.60E-09	0.366586	2.67E-16
5.68E-36	0.411298	1.72E-20	0.486634	3.89E-29	0.406763	4.91E-20	0.579438	3.13E-43
3.05E-07	0.101467	0.02834	0.147162	0.00143	0.020001	0.66639	0.26838	3.80E-09
0.01142	-0.03663	0.42963	0.119267	0.00989	0.076547	0.0985	0.219351	1.70E-06
0.00052	0.139768	0.00247	0.252534	3.15E-08	0.216497	2.33E-06	0.144214	0.00178
3.95E-32	0.320084	1.38E-12	0.331437	1.95E-13	0.198384	1.57E-05	0.551941	1.37E-38
2.62E-05	0.164956	0.00034	0.327289	4.03E-13	0.289231	1.89E-10	0.382796	9.57E-18
2.89E-12	0.298527	4.56E-11	0.264744	6.25E-09	0.202213	1.06E-05	0.384537	6.62E-18
1.26E-10	0.141731	0.00214	0.27351	1.86E-09	0.156856	0.00067	0.372979	7.34E-17
8.48E-07	0.229143	5.58E-07	0.341258	3.36E-14	0.264666	6.32E-09	0.3754	4.47E-17
7.52E-45	0.215952	2.48E-06	0.331026	2.10E-13	0.234803	2.86E-07	0.38303	9.10E-18
7.98E-24	0.381896	1.16E-17	0.384906	6.12E-18	0.351447	5.06E-15	0.504555	1.57E-31
1.12E-23	0.488229	2.41E-29	0.570738	1.03E-41	0.514225	6.99E-33	0.595965	3.07E-46
1.35E-12	0.328357	3.35E-13	0.510659	2.23E-32	0.44832	1.80E-24	0.448159	1.88E-24
7.89E-32	0.006431	0.88976	0.082075	0.07641	-0.09457	0.04107	0.270364	2.89E-09
3.44E-11	0.378329	2.44E-17	0.429211	2.35E-22	0.455575	2.61E-25	0.446381	3.00E-24
4.00E-05	0.055174	0.23404	0.207608	6.07E-06	0.28274	4.94E-10	0.157205	0.00065
2.42E-25	0.226536	7.54E-07	0.309299	8.24E-12	0.269093	3.44E-09	0.36771	2.13E-16
5.90E-07	0.218608	1.85E-06	0.351737	4.79E-15	0.351451	5.05E-15	0.452499	5.96E-25
2.70E-09	0.171994	0.00019	0.211689	3.93E-06	0.138371	0.00273	0.318933	1.68E-12
3.88E-27	0.426005	5.17E-22	0.544564	2.05E-37	0.453593	4.45E-25	0.736913	4.18E-81
1.06E-23	0.50678	7.74E-32	0.526777	1.06E-34	0.450648	9.75E-25	0.553005	9.25E-39
1.89E-07	0.009785	0.83297	-0.20768	6.03E-06	-0.18597	5.27E-05	-0.04872	0.2934
0.23896	0.091779	0.04745	0.092361	0.04606	0.157281	0.00065	0.341106	3.45E-14
1.57E-38	0.460844	6.24E-26	0.568091	2.91E-41	0.540868	7.74E-37	0.599024	8.13E-47
2.14E-11	0.087608	0.05852	0.278347	9.34E-10	0.191343	3.15E-05	0.2564	1.91E-08
0.144	-0.05996	0.19588	0.016329	0.72487	0.070114	0.13029	0.123274	0.00765
2.34E-08	-0.09138	0.04843	-0.04164	0.36928	-0.09879	0.03281	0.182563	7.25E-05
0.05674	0.373475	6.63E-17	0.351442	5.06E-15	0.300353	3.43E-11	0.180907	8.44E-05
4.34E-31	0.274262	1.67E-09	0.340304	4.00E-14	0.184661	5.96E-05	0.461503	5.21E-26
1.01E-06	-0.10638	0.02149	-0.08061	0.08183	-0.18036	8.88E-05	-0.24613	7.13E-08
1.49E-06	0.212348	3.67E-06	0.196614	1.87E-05	0.214154	3.02E-06	0.246803	6.55E-08
9.19E-16	0.259647	1.24E-08	0.305972	1.41E-11	0.266459	4.95E-09	0.483505	9.84E-29
8.89E-45	0.298723	4.42E-11	0.410125	2.26E-20	0.258409	1.46E-08	0.534564	7.19E-36

1.39E-07	0.252643	3.11E-08	0.210513	4.46E-06	0.245349	7.87E-08	0.355413	2.38E-15
9.95E-54	0.267371	4.37E-09	0.297692	5.19E-11	0.152234	0.00097	0.512189	1.36E-32
2.46E-12	0.187715	4.46E-05	0.380474	1.56E-17	0.327916	3.61E-13	0.366668	2.62E-16
0.00105	-0.38934	2.36E-18	-0.12705	0.00597	-0.29942	3.97E-11	0.086138	0.0629
2.52E-17	0.195296	2.14E-05	0.205672	7.44E-06	0.147053	0.00144	0.370527	1.21E-16
0.00436	-0.2131	3.38E-06	0.015491	0.73847	-0.1158	0.01227	0.054791	0.23731
1.44E-10	-0.08511	0.06612	0.08373	0.07065	-0.09322	0.04407	0.289042	1.94E-10
7.48E-06	0.112041	0.01542	0.258854	1.38E-08	0.196551	1.89E-05	0.245916	7.33E-08
0.85696	0.469269	5.99E-27	0.114969	0.01292	0.136807	0.00305	-0.03325	0.47352
2.76E-13	0.258362	1.47E-08	0.427004	4.05E-22	0.387028	3.89E-18	0.426404	4.69E-22
2.15E-05	0.344128	1.98E-14	0.337585	6.53E-14	0.326871	4.33E-13	0.559864	6.99E-40
5.94E-06	-0.04026	0.38537	-0.00723	0.8761	-0.02269	0.62476	0.149466	0.0012
0.21703	-0.01844	0.691	-0.18259	7.23E-05	-0.16714	0.00029	-0.1771	0.00012
8.59E-20	0.300025	3.61E-11	0.419064	2.77E-21	0.373352	6.80E-17	0.38958	2.25E-18
2.07E-17	0.155089	0.00077	0.293591	9.75E-11	0.16916	0.00024	0.313747	3.98E-12
0.00363	-0.10456	0.02385	-0.15927	0.00055	-0.15541	0.00075	-0.19804	1.63E-05
0.0001	0.165236	0.00034	0.182284	7.44E-05	0.129767	0.00497	0.276922	1.15E-09
9.73E-05	-0.02796	0.54664	0.227209	6.98E-07	0.137207	0.00297	0.168959	0.00024
0.00053	-0.02912	0.53024	0.17863	0.0001	0.115197	0.01274	0.107201	0.0205
7.65E-08	0.218894	1.79E-06	0.260012	1.18E-08	0.19566	2.06E-05	0.355198	2.47E-15
8.54E-48	0.267788	4.12E-09	0.396012	5.51E-19	0.302682	2.38E-11	0.51754	2.35E-33
6.54E-08	0.228743	5.84E-07	0.383963	7.47E-18	0.370081	1.32E-16	0.365218	3.50E-16
0.09288	-0.03732	0.42105	0.040383	0.38392	-0.02157	0.64202	0.22603	8.00E-07
0.00877	0.328985	3.00E-13	0.377314	3.01E-17	0.347431	1.08E-14	0.264887	6.13E-09
1.12E-15	-0.18298	6.97E-05	-0.19291	2.70E-05	-0.15596	0.00072	-0.28644	2.86E-10
4.79E-25	0.278981	8.52E-10	0.37638	3.65E-17	0.210631	4.41E-06	0.391139	1.60E-18
2.24E-30	0.154198	0.00083	0.249506	4.65E-08	0.136856	0.00304	0.274511	1.61E-09
1.24E-16	0.274897	1.53E-09	0.379241	2.02E-17	0.362416	6.09E-16	0.472883	2.15E-27
1.19E-32	0.355966	2.14E-15	0.34841	8.96E-15	0.313246	4.32E-12	0.538221	1.98E-36
0.00287	0.192871	2.71E-05	0.286649	2.78E-10	0.272329	2.19E-09	0.20022	1.30E-05
1.92E-07	0.447958	1.98E-24	0.354815	2.66E-15	0.265271	5.82E-09	0.313142	4.40E-12
6.15E-37	0.306565	1.28E-11	0.455734	2.50E-25	0.370185	1.29E-16	0.602216	2.01E-47
0.00374	-0.05511	0.23458	0.171658	0.00019	0.09117	0.04895	0.170511	0.00021
8.69E-21	-0.17056	0.00021	-0.20039	1.28E-05	-0.07792	0.09259	-0.26949	3.26E-09
4.32E-15	0.105371	0.02277	0.171595	0.00019	0.049227	0.28842	0.376512	3.55E-17
1.24E-06	-0.19666	1.87E-05	-0.24911	4.89E-08	-0.23112	4.43E-07	-0.42072	1.86E-21
6.07E-37	-0.23253	3.75E-07	-0.30098	3.11E-11	-0.30374	2.01E-11	-0.4407	1.31E-23
0.67718	0.061586	0.18399	-0.08276	0.07399	-0.0673	0.14644	-0.17175	0.00019
0.3598	0.072599	0.11718	0.097942	0.03435	0.093135	0.04426	0.095012	0.04013
4.27E-16	0.123875	0.00736	0.195411	2.11E-05	0.112904	0.01464	0.252558	3.15E-08
0.00037	0.079467	0.08627	-0.06673	0.14991	-0.00808	0.86173	-0.03789	0.41401
0.0001	-0.27072	2.75E-09	-0.30631	1.33E-11	-0.36367	4.76E-16	-0.2328	3.63E-07
0.23515	0.3506	5.93E-15	0.432772	9.72E-23	0.39763	3.85E-19	0.20946	4.99E-06
3.09E-21	0.210226	4.60E-06	0.333285	1.41E-13	0.297559	5.30E-11	0.42895	2.51E-22
0.01626	0.248242	5.46E-08	0.057034	0.21862	0.069725	0.13244	0.016861	0.7163

5.86E-18	0.354901	2.62E-15	0.39524	6.53E-19	0.330262	2.40E-13	0.464593	2.22E-26
4.13E-16	0.33403	1.23E-13	0.434726	5.95E-23	0.412994	1.16E-20	0.440978	1.22E-23
1.20E-09	0.162199	0.00043	0.249304	4.77E-08	0.09768	0.03484	0.345683	1.49E-14
0.38999	0.051012	0.27127	0.133637	0.00381	0.141558	0.00217	0.09108	0.04918
0.00676	0.209808	4.81E-06	0.397	4.43E-19	0.410899	1.89E-20	0.28211	5.41E-10
2.01E-05	-0.1334	0.00388	0.120017	0.00943	0.014226	0.75914	0.119448	0.00978
4.50E-05	0.064419	0.16458	-0.10579	0.02223	-0.10376	0.02494	-0.18862	4.10E-05
9.08E-36	0.100827	0.02936	0.109486	0.01794	0.051169	0.2698	0.314568	3.47E-12
6.03E-34	0.132711	0.00407	0.166497	0.0003	0.095911	0.03828	0.286223	2.96E-10
4.07E-05	-0.04782	0.30245	0.135133	0.00344	0.068254	0.14082	0.158926	0.00057
9.84E-07	0.074467	0.10802	0.091811	0.04738	-0.00717	0.87711	0.269497	3.26E-09
4.03E-10	0.045401	0.32758	0.245771	7.46E-08	0.152622	0.00094	0.305518	1.51E-11
1.67E-19	0.337323	6.85E-14	0.402759	1.22E-19	0.266115	5.19E-09	0.469625	5.42E-27
1.50E-14	0.367885	2.06E-16	0.475358	1.06E-27	0.434173	6.84E-23	0.503204	2.41E-31
3.42E-58	0.292523	1.15E-10	0.371338	1.02E-16	0.274487	1.62E-09	0.570092	1.33E-41
5.36E-11	0.290183	1.64E-10	0.354408	2.88E-15	0.338251	5.79E-14	0.466603	1.27E-26
6.71E-26	0.273882	1.76E-09	0.376087	3.88E-17	0.262707	8.24E-09	0.449656	1.27E-24
4.93E-25	0.186753	4.89E-05	0.258512	1.44E-08	0.173488	0.00016	0.421665	1.48E-21
0.01298	0.043784	0.34512	-0.18322	6.82E-05	-0.18383	6.44E-05	-0.24053	1.43E-07
0.0007	-0.04168	0.3688	-0.21391	3.09E-06	-0.22348	1.07E-06	-0.27492	1.52E-09
8.09E-08	-0.09026	0.05127	-0.30205	2.62E-11	-0.25306	2.95E-08	-0.38462	6.50E-18
0.71319	0.237585	2.05E-07	-0.08436	0.06853	0.003495	0.93996	-0.08237	0.07535
0.00317	0.193239	2.62E-05	0.258101	1.52E-08	0.279245	8.20E-10	0.235192	2.73E-07
0.00044	-0.15483	0.00079	-0.15835	0.00059	-0.1942	2.38E-05	-0.02808	0.54494
0.11183	0.157701	0.00063	0.25469	2.39E-08	0.287533	2.43E-10	0.279904	7.46E-10
9.64E-15	0.052748	0.25527	0.30712	1.17E-11	0.192948	2.69E-05	0.36109	7.90E-16
2.98E-28	0.043388	0.3495	0.1812	8.22E-05	0.059622	0.1984	0.349349	7.51E-15
0.47814	0.162378	0.00043	0.342464	2.69E-14	0.234506	2.96E-07	0.12652	0.00619
5.32E-13	0.339295	4.80E-14	0.501008	4.80E-31	0.353137	3.67E-15	0.420943	1.76E-21
5.65E-09	0.241092	1.33E-07	0.243966	9.35E-08	0.241426	1.28E-07	0.327136	4.14E-13
1.46E-15	0.101687	0.028	0.249213	4.83E-08	0.154911	0.00078	0.320373	1.32E-12
0.0008	-0.23747	2.07E-07	-0.26587	5.36E-09	-0.34665	1.24E-14	-0.35927	1.13E-15
0.65355	-0.05692	0.21952	0.164298	0.00036	0.076958	0.0967	0.133341	0.00389
0.00012	0.196678	1.86E-05	0.355183	2.48E-15	0.308796	8.93E-12	0.314919	3.28E-12
7.70E-11	0.165702	0.00032	0.378887	2.17E-17	0.369531	1.48E-16	0.37427	5.64E-17
0.00264	-0.05442	0.24047	0.080138	0.08364	0.097333	0.03549	0.097507	0.03516
2.86E-08	0.138646	0.00268	-0.15585	0.00073	-0.06175	0.18285	-0.20462	8.30E-06
2.55E-39	0.164221	0.00037	0.262067	8.98E-09	0.234335	3.02E-07	0.382593	9.98E-18
2.50E-16	0.410327	2.16E-20	0.448845	1.57E-24	0.470914	3.76E-27	0.513008	1.04E-32
2.36E-40	0.343789	2.11E-14	0.369807	1.40E-16	0.295379	7.42E-11	0.586135	1.98E-44
7.06E-42	0.373584	6.49E-17	0.304002	1.93E-11	0.216967	2.22E-06	0.413655	9.94E-21
4.97E-20	0.441963	9.44E-24	0.518462	1.73E-33	0.527846	7.35E-35	0.566733	4.95E-41
3.44E-22	0.471069	3.60E-27	0.494229	3.91E-30	0.441918	9.55E-24	0.53647	3.68E-36
0.00907	-0.08286	0.07362	0.043659	0.3465	-0.11343	0.01418	0.113396	0.01421
0.05511	0.155805	0.00073	0.241275	1.30E-07	0.228601	5.94E-07	0.236751	2.26E-07

1.96E-28	0.282148	5.38E-10	0.340941	3.56E-14	0.273561	1.85E-09	0.485987	4.71E-29
0.04873	-0.18259	7.23E-05	-0.21756	2.08E-06	-0.23383	3.21E-07	-0.27776	1.02E-09
0.00728	-0.03843	0.40732	-0.16585	0.00032	-0.1099	0.01752	-0.24596	7.29E-08
2.54E-34	0.168935	0.00025	0.219802	1.62E-06	0.13783	0.00284	0.48004	2.72E-28
3.15E-26	-0.21039	4.52E-06	-0.24791	5.70E-08	-0.1544	0.00081	-0.3575	1.59E-15
3.38E-05	0.004104	0.92953	-0.14568	0.0016	-0.0266	0.56638	-0.15814	0.0006
5.91E-05	0.134538	0.00358	0.120004	0.00944	0.162049	0.00044	0.211027	4.22E-06
0.00211	-0.03734	0.42076	-0.15222	0.00097	-0.18162	7.91E-05	-0.23926	1.67E-07
0.05044	0.425825	5.41E-22	0.066743	0.14985	0.118849	0.01015	-0.02077	0.65435
3.51E-05	0.125957	0.00642	0.278448	9.20E-10	0.258767	1.40E-08	0.291639	1.31E-10
2.08E-47	0.295862	6.89E-11	0.316443	2.55E-12	0.18988	3.63E-05	0.536377	3.80E-36
1.36E-14	0.215609	2.57E-06	0.223214	1.10E-06	0.208013	5.82E-06	0.372034	8.90E-17
4.93E-13	0.098385	0.03354	0.166551	0.0003	0.034622	0.45542	0.327826	3.67E-13
0.02381	-0.00491	0.91567	0.155884	0.00072	0.191375	3.14E-05	0.152389	0.00095
0.0074	0.080257	0.08318	0.253832	2.67E-08	0.208128	5.75E-06	0.163821	0.00038
5.52E-07	0.027144	0.55846	0.271531	2.45E-09	0.213818	3.13E-06	0.264987	6.05E-09
1.05E-05	0.452848	5.43E-25	0.337706	6.39E-14	0.220405	1.51E-06	0.227096	7.07E-07
0.21188	0.125711	0.00653	-0.04058	0.38161	-0.09102	0.04932	-0.10832	0.0192
0.04602	-0.14167	0.00215	0.174385	0.00015	0.153884	0.00085	0.014632	0.75248
3.20E-22	0.276055	1.30E-09	0.427909	3.24E-22	0.254054	2.59E-08	0.431773	1.25E-22
4.79E-10	-0.07018	0.12991	-0.32743	3.93E-13	-0.23721	2.14E-07	-0.22596	8.06E-07
5.75E-05	-0.04406	0.34213	-0.19987	1.35E-05	-0.20888	5.31E-06	-0.28758	2.41E-10
9.64E-08	0.105212	0.02297	0.161521	0.00046	0.150432	0.00111	0.23906	1.71E-07
0.98682	-0.00681	0.88334	0.225714	8.29E-07	0.162693	0.00042	0.148231	0.00132
9.25E-05	0.234095	3.11E-07	0.265708	5.48E-09	0.171521	0.0002	0.2251	8.89E-07
0.35803	0.161889	0.00044	0.250323	4.19E-08	0.305946	1.41E-11	0.152029	0.00098
0.04794	0.249228	4.82E-08	0.217331	2.13E-06	0.292154	1.21E-10	0.152391	0.00095
6.72E-17	0.315945	2.77E-12	0.328495	3.27E-13	0.244046	9.26E-08	0.380539	1.54E-17
5.28E-05	0.486525	4.01E-29	0.49704	1.65E-30	0.412026	1.45E-20	0.406953	4.70E-20
2.23E-07	0.334323	1.17E-13	0.27499	1.51E-09	0.25639	1.91E-08	0.366799	2.56E-16
1.63E-20	0.292624	1.13E-10	0.388773	2.67E-18	0.256187	1.96E-08	0.403945	9.33E-20
4.11E-16	0.194995	2.20E-05	0.306157	1.37E-11	0.204604	8.31E-06	0.426598	4.47E-22
1.72E-17	0.273236	1.93E-09	0.296369	6.37E-11	0.224904	9.10E-07	0.380519	1.54E-17
4.93E-14	0.027459	0.55391	-0.22021	1.55E-06	-0.12407	0.00727	-0.29192	1.26E-10
0.04395	0.228579	5.96E-07	0.221995	1.27E-06	0.260757	1.07E-08	0.29843	4.63E-11
0.02108	0.04824	0.29821	0.150674	0.00109	0.025844	0.57747	0.112826	0.01471
0.87595	0.015541	0.73765	0.166675	0.0003	0.106108	0.02183	0.432335	1.08E-22
1.23E-36	0.377999	2.61E-17	0.394756	7.27E-19	0.190555	3.40E-05	0.581306	1.46E-43
1.66E-14	0.290126	1.65E-10	0.323024	8.39E-13	0.198879	1.49E-05	0.326415	4.69E-13
9.19E-05	-0.121	0.00886	0.099787	0.03108	-0.02571	0.57941	0.223586	1.06E-06
0.02613	0.000999	0.98283	0.124658	0.00699	0.083738	0.07062	0.268218	3.89E-09
5.30E-14	-0.01439	0.75648	-0.16309	0.0004	-0.15623	0.0007	-0.36835	1.87E-16
1.54E-18	0.40322	1.10E-19	0.50733	6.50E-32	0.506021	9.86E-32	0.572067	6.07E-42
7.47E-12	0.055976	0.2273	0.191986	2.96E-05	0.111159	0.01625	0.394817	7.17E-19
4.89E-17	0.113446	0.01417	0.19073	3.34E-05	0.084174	0.06916	0.259297	1.30E-08

1.24E-15	-0.03663	0.42963	0.123466	0.00756	-0.0152	0.74323	0.281535	5.89E-10
7.28E-05	0.043226	0.3513	0.242996	1.05E-07	0.152155	0.00097	0.137598	0.00289
1.18E-20	0.227422	6.81E-07	0.286892	2.68E-10	0.220843	1.44E-06	0.317717	2.06E-12
0.82776	0.145138	0.00166	0.254881	2.33E-08	0.31328	4.30E-12	0.267482	4.30E-09
0.71559	0.256872	1.79E-08	0.300167	3.53E-11	0.210972	4.25E-06	0.177672	0.00011
1.20E-14	0.110082	0.01732	0.218164	1.94E-06	0.154027	0.00084	0.277661	1.03E-09
1.49E-25	0.085458	0.06501	0.131244	0.0045	0.093458	0.04352	0.368945	1.66E-16
2.33E-06	0.139629	0.00249	0.18007	9.12E-05	0.150008	0.00115	0.215761	2.53E-06
0.07314	0.151352	0.00103	0.266364	5.01E-09	0.291619	1.32E-10	0.145384	0.00163
0.1803	0.217752	2.03E-06	0.328234	3.42E-13	0.386004	4.84E-18	0.242475	1.13E-07
0.0029	-0.21885	1.80E-06	-0.28035	6.99E-10	-0.25897	1.36E-08	-0.27041	2.87E-09
5.77E-12	0.255409	2.17E-08	0.409199	2.80E-20	0.326744	4.43E-13	0.438278	2.42E-23
1.72E-07	0.16808	0.00026	0.280561	6.78E-10	0.259467	1.27E-08	0.306249	1.35E-11
1.46E-16	0.448453	1.74E-24	0.396781	4.65E-19	0.383878	7.61E-18	0.505793	1.06E-31
0.1731	-0.02032	0.66136	0.055781	0.22892	0.045074	0.33108	0.110862	0.01654
3.19E-42	0.552362	1.18E-38	0.539336	1.34E-36	0.445736	3.55E-24	0.639649	4.26E-55
1.36E-06	0.048557	0.29504	0.208949	5.27E-06	0.051353	0.26807	0.276477	1.22E-09
5.74E-13	0.245552	7.67E-08	0.259804	1.22E-08	0.161414	0.00046	0.408782	3.09E-20
0.01035	0.131635	0.00438	0.257191	1.72E-08	0.3966	4.84E-19	0.26739	4.36E-09
5.43E-05	0.426455	4.63E-22	0.356841	1.80E-15	0.289586	1.79E-10	0.41037	2.14E-20
2.82E-26	0.341383	3.28E-14	0.402443	1.31E-19	0.307592	1.09E-11	0.584361	4.14E-44
0.01048	0.047133	0.30944	-0.1815	7.99E-05	-0.1959	2.01E-05	-0.20975	4.84E-06
1.16E-06	-0.10066	0.02963	-0.21079	4.33E-06	-0.17101	0.0002	-0.29713	5.66E-11
0.04609	0.108298	0.01923	0.265412	5.71E-09	0.206154	7.08E-06	0.212555	3.58E-06
2.81E-06	0.304711	1.72E-11	0.378793	2.21E-17	0.36068	8.56E-16	0.656387	6.93E-59
5.78E-17	0.062768	0.1757	0.229075	5.62E-07	0.207008	6.47E-06	0.341926	2.97E-14
7.37E-10	0.135687	0.0033	0.213182	3.35E-06	0.282544	5.08E-10	0.33987	4.32E-14
0.06082	0.173894	0.00016	0.377749	2.75E-17	0.334008	1.24E-13	0.26505	6.00E-09
5.62E-08	0.05082	0.27308	0.049832	0.28253	0.082488	0.07494	0.275702	1.36E-09
2.14E-20	0.206576	6.77E-06	0.241066	1.34E-07	0.227666	6.62E-07	0.429882	1.99E-22
8.43E-24	0.445886	3.41E-24	0.488408	2.29E-29	0.391252	1.56E-18	0.500835	5.07E-31
1.09E-27	0.056356	0.22415	0.158156	0.0006	0.042209	0.36277	0.379682	1.84E-17
3.99E-06	-0.10771	0.0199	-0.25519	2.24E-08	-0.18659	4.97E-05	-0.30014	3.54E-11
4.81E-12	0.411367	1.70E-20	0.439556	1.75E-23	0.372831	7.56E-17	0.433283	8.55E-23
0.14873	-0.0076	0.8699	-0.1294	0.0051	-0.24298	1.06E-07	-0.13228	0.00419
1.53E-06	0.162153	0.00043	0.178682	0.0001	0.229452	5.38E-07	0.275062	1.49E-09
1.10E-55	0.459395	9.27E-26	0.513648	8.45E-33	0.422506	1.21E-21	0.645091	2.65E-56
5.76E-55	0.454561	3.43E-25	0.512457	1.24E-32	0.400992	1.82E-19	0.603732	1.03E-47
0.00097	0.251209	3.74E-08	0.459348	9.39E-26	0.405902	5.98E-20	0.325108	5.87E-13
5.53E-29	0.354797	2.67E-15	0.455701	2.53E-25	0.391177	1.59E-18	0.482688	1.25E-28
7.29E-19	-0.16688	0.00029	-0.11408	0.01364	-0.07836	0.09073	-0.35372	3.28E-15
3.95E-18	0.395257	6.51E-19	0.417037	4.48E-21	0.3437	2.15E-14	0.515323	4.88E-33
2.65E-21	0.333116	1.45E-13	0.436339	3.96E-23	0.353879	3.18E-15	0.505072	1.33E-31
0.00525	0.242189	1.17E-07	0.338566	5.47E-14	0.341309	3.33E-14	0.300504	3.35E-11
1.22E-18	0.233968	3.16E-07	0.295004	7.86E-11	0.300867	3.16E-11	0.34126	3.36E-14

1.12E-05	-0.26695	4.63E-09	-0.26164	9.51E-09	-0.22935	5.45E-07	-0.19826	1.59E-05
1.52E-05	0.176467	0.00013	0.260274	1.14E-08	0.302885	2.30E-11	0.358673	1.27E-15
1.02E-05	0.204089	8.77E-06	0.308978	8.67E-12	0.239289	1.66E-07	0.368546	1.80E-16
1.95E-38	-0.25824	1.50E-08	-0.2308	4.60E-07	-0.164	0.00037	-0.44165	1.02E-23
0.01824	0.044157	0.34103	-0.19054	3.41E-05	-0.11491	0.01296	-0.22876	5.83E-07
2.11E-36	0.259572	1.25E-08	0.384695	6.40E-18	0.32491	6.08E-13	0.520168	9.83E-34
1.71E-13	0.401315	1.69E-19	0.401579	1.59E-19	0.309907	7.46E-12	0.388478	2.85E-18
5.87E-22	0.381815	1.18E-17	0.539012	1.50E-36	0.51474	5.91E-33	0.516382	3.45E-33
1.26E-13	0.385191	5.76E-18	0.525105	1.87E-34	0.513299	9.46E-33	0.529542	4.11E-35
2.16E-06	0.190152	3.53E-05	0.248402	5.36E-08	0.23206	3.96E-07	0.322993	8.44E-13
0.00269	-0.20379	9.05E-06	-0.33523	9.96E-14	-0.33311	1.45E-13	-0.31821	1.89E-12
2.60E-07	0.181602	7.92E-05	0.230314	4.86E-07	0.107467	0.02019	0.499422	7.87E-31
0.00024	0.1273	0.00587	0.180332	8.90E-05	0.098352	0.0336	0.240985	1.35E-07
5.12E-18	0.376595	3.49E-17	0.436589	3.72E-23	0.380877	1.43E-17	0.731212	2.87E-79
3.64E-38	0.28293	4.80E-10	0.291262	1.39E-10	0.163804	0.00038	0.421582	1.51E-21
2.64E-07	-0.07538	0.10376	-0.12031	0.00926	-0.01874	0.68623	-0.01588	0.73221
1.58E-10	-0.15053	0.0011	-0.21428	2.97E-06	-0.15859	0.00058	-0.16582	0.00032
7.54E-22	0.170118	0.00022	0.188082	4.31E-05	0.03452	0.45675	0.375787	4.13E-17
0.0246	0.082128	0.07622	0.308851	8.85E-12	0.299424	3.96E-11	0.169495	0.00023
1.52E-08	0.137375	0.00293	-0.06795	0.14258	-0.00751	0.87147	-0.16104	0.00048
0.00013	0.17895	0.0001	0.27354	1.85E-09	0.258663	1.41E-08	0.27693	1.14E-09
2.58E-21	0.068149	0.14143	-0.05605	0.22664	0.118928	0.0101	-0.27214	2.25E-09
4.83E-23	0.404616	8.01E-20	0.499233	8.35E-31	0.47442	1.39E-27	0.547423	7.25E-38
0.00068	0.324408	6.62E-13	0.362049	6.55E-16	0.314888	3.30E-12	0.340691	3.72E-14
1.08E-21	0.091162	0.04897	0.232709	3.67E-07	0.03304	0.47629	0.302933	2.28E-11
4.70E-15	-0.05722	0.21713	-0.14556	0.00161	-0.02311	0.61839	-0.19917	1.45E-05
5.90E-27	0.007094	0.87848	0.140941	0.00227	-0.07481	0.10638	0.314284	3.64E-12
1.55E-25	-0.04947	0.286	0.149495	0.00119	-0.02584	0.57752	0.392301	1.24E-18
1.35E-63	0.40561	6.39E-20	0.444235	5.24E-24	0.348288	9.16E-15	0.596579	2.35E-46
3.18E-57	0.161892	0.00044	0.268158	3.92E-09	0.131051	0.00456	0.507783	5.62E-32
0.15334	0.123627	0.00748	-0.10034	0.03016	-0.07887	0.08867	-0.11301	0.01455
0.30431	-0.06356	0.17027	-0.06005	0.19522	-0.10533	0.02282	-0.08144	0.07874
1.29E-42	0.584675	3.64E-44	0.577547	6.74E-43	0.509176	3.60E-32	0.619362	8.24E-51
7.16E-22	0.552001	1.34E-38	0.531757	1.91E-35	0.450788	9.40E-25	0.559504	8.02E-40
0.00023	0.393223	1.02E-18	0.395645	5.98E-19	0.361423	7.40E-16	0.623636	1.09E-51
0.00036	0.023701	0.60944	0.121198	0.00875	0.087874	0.05775	0.162745	0.00041
8.06E-06	-0.00657	0.88742	0.229937	5.08E-07	0.087595	0.05856	0.228873	5.76E-07
0.80788	0.130516	0.00473	-0.0576	0.21408	-0.03823	0.4098	-0.10675	0.02103
2.16E-13	0.150207	0.00113	0.216884	2.24E-06	0.139645	0.00249	0.314469	3.53E-12
1.32E-14	0.010801	0.81593	0.144625	0.00173	0.015928	0.73137	0.227742	6.56E-07
2.41E-06	0.054204	0.24237	0.22989	5.11E-07	0.113296	0.0143	0.298353	4.68E-11
4.06E-26	0.174593	0.00015	0.246493	6.82E-08	0.150211	0.00113	0.436662	3.65E-23
3.84E-21	0.145678	0.0016	0.167827	0.00027	0.088719	0.05538	0.324757	6.24E-13
8.23E-21	0.259259	1.31E-08	0.40311	1.13E-19	0.355535	2.32E-15	0.431473	1.34E-22
0.00553	0.31716	2.26E-12	0.265131	5.93E-09	0.313656	4.04E-12	0.110377	0.01703



1.22E-07	0.003861	0.93367	0.167692	0.00027	0.205923	7.25E-06	0.275831	1.34E-09
0.0436	0.206247	7.01E-06	0.350242	6.35E-15	0.344658	1.80E-14	0.265901	5.34E-09
3.45E-38	0.113026	0.01453	0.237065	2.18E-07	0.105747	0.02228	0.399454	2.57E-19
2.48E-36	0.2827	4.97E-10	0.369671	1.44E-16	0.304105	1.90E-11	0.512185	1.36E-32
3.13E-24	0.152897	0.00092	0.285896	3.10E-10	0.22917	5.56E-07	0.315615	2.92E-12
1.57E-11	0.11377	0.01389	0.207712	6.01E-06	0.084582	0.06782	0.330998	2.11E-13
4.72E-07	-0.07132	0.12379	-0.23168	4.14E-07	-0.22571	8.29E-07	-0.34704	1.16E-14
3.80E-12	0.239813	1.56E-07	0.341678	3.11E-14	0.338094	5.96E-14	0.514239	6.96E-33
2.25E-05	0.126377	0.00624	0.278885	8.64E-10	0.183533	6.62E-05	0.233989	3.15E-07
1.94E-10	-0.0778	0.09309	-0.2009	1.22E-05	-0.06948	0.13382	-0.21151	4.01E-06
2.78E-06	0.05125	0.26903	0.232002	3.99E-07	0.195538	2.09E-05	0.335857	8.91E-14
7.86E-13	0.415727	6.11E-21	0.4069	4.76E-20	0.270767	2.73E-09	0.36554	3.28E-16
0.00954	0.121915	0.00835	0.187116	4.73E-05	0.185673	5.42E-05	0.292046	1.23E-10
0.00907	-0.14083	0.00228	-0.05573	0.22935	-0.09071	0.05012	0.363173	5.25E-16
3.63E-06	0.106627	0.02119	0.146946	0.00145	0.156467	0.00069	0.324913	6.07E-13
1.20E-39	0.192285	2.87E-05	0.366323	2.81E-16	0.207966	5.85E-06	0.458997	1.03E-25
2.05E-09	0.154655	0.0008	0.264999	6.04E-09	0.216572	2.31E-06	0.579892	2.60E-43
4.25E-12	0.081709	0.07774	0.120887	0.00892	0.031411	0.49831	0.208118	5.76E-06
6.87E-13	0.172104	0.00019	0.30198	2.65E-11	0.238387	1.86E-07	0.299839	3.72E-11
3.04E-27	0.251022	3.83E-08	0.409546	2.59E-20	0.303938	1.95E-11	0.511551	1.67E-32
0.02115	0.173052	0.00017	0.203702	9.13E-06	0.220341	1.52E-06	0.230424	4.80E-07
7.54E-15	0.268976	3.50E-09	0.371691	9.54E-17	0.27109	2.61E-09	0.519282	1.32E-33
9.79E-17	0.088578	0.05577	0.287291	2.52E-10	0.183778	6.47E-05	0.44211	9.09E-24
0.0032	-0.12406	0.00727	-0.10259	0.02663	-0.26791	4.06E-09	-0.2103	4.57E-06
0.03439	-0.0796	0.08575	-0.24095	1.36E-07	-0.30285	2.31E-11	-0.08707	0.0601
3.67E-17	0.314153	3.72E-12	0.224514	9.51E-07	0.240434	1.45E-07	0.394005	8.57E-19
0.14391	0.112698	0.01482	0.278545	9.07E-10	0.238828	1.76E-07	0.191151	3.21E-05
2.72E-05	-0.04694	0.31139	-0.15788	0.00062	-0.1932	2.63E-05	-0.28681	2.71E-10
4.98E-36	0.273148	1.96E-09	0.362194	6.36E-16	0.26518	5.89E-09	0.366123	2.92E-16
2.62E-28	0.220196	1.55E-06	0.370026	1.34E-16	0.281111	6.26E-10	0.434163	6.86E-23
4.42E-35	0.247418	6.07E-08	0.432476	1.05E-22	0.303499	2.09E-11	0.492826	6.01E-30
0.00113	-0.06859	0.1389	-0.21352	3.23E-06	-0.19926	1.44E-05	-0.20247	1.04E-05
2.63E-24	0.326033	5.01E-13	0.336367	8.13E-14	0.327649	3.79E-13	0.687365	1.42E-66
5.80E-18	0.167879	0.00027	0.237673	2.02E-07	0.252061	3.35E-08	0.324329	6.71E-13
8.15E-29	0.22808	6.31E-07	0.335221	9.98E-14	0.287036	2.62E-10	0.46226	4.23E-26
9.74E-25	0.420251	2.08E-21	0.521885	5.53E-34	0.450625	9.81E-25	0.577115	8.03E-43
2.80E-17	0.122895	0.00784	0.263173	7.74E-09	0.15287	0.00092	0.322997	8.43E-13
4.34E-12	0.053777	0.24611	0.151385	0.00103	0.050714	0.27408	0.355407	2.38E-15
5.66E-78	0.409226	2.79E-20	0.379596	1.87E-17	0.24049	1.44E-07	0.564035	1.41E-40
0.42886	0.062187	0.17974	0.009394	0.83955	-0.12582	0.00648	-0.16846	0.00026
3.51E-13	0.311563	5.70E-12	0.354976	2.58E-15	0.282511	5.11E-10	0.433796	7.52E-23
2.76E-13	0.370661	1.18E-16	0.391082	1.62E-18	0.399121	2.76E-19	0.453084	5.10E-25
3.04E-17	-0.01256	0.78657	-0.1514	0.00103	-0.11423	0.01351	-0.30862	9.19E-12
1.41E-12	0.163533	0.00039	0.191143	3.21E-05	0.153487	0.00088	0.231211	4.38E-07
7.67E-08	0.020738	0.65488	0.131317	0.00448	0.043215	0.35143	0.156836	0.00067

1.89E-06	-0.20212	1.07E-05	-0.28433	3.91E-10	-0.24453	8.71E-08	-0.23613	2.44E-07
6.60E-19	0.065365	0.15846	0.234897	2.83E-07	0.200144	1.31E-05	0.355285	2.43E-15
0.97132	0.023648	0.61024	0.106749	0.02104	0.111548	0.01588	0.174898	0.00015
2.31E-05	-0.15104	0.00106	0.009533	0.83722	-0.1361	0.00321	0.186984	4.79E-05
1.71E-10	-0.11707	0.01135	0.055156	0.23419	-0.10016	0.03045	0.125968	0.00642
1.12E-08	0.233731	3.25E-07	0.379365	1.97E-17	0.335775	9.04E-14	0.370006	1.34E-16
0.37004	0.354761	2.69E-15	0.06944	0.13403	0.141168	0.00223	0.041528	0.37057
1.55E-27	0.422473	1.22E-21	0.525001	1.94E-34	0.483188	1.08E-28	0.583688	5.47E-44
3.20E-21	0.022445	0.62852	0.146947	0.00145	0.063971	0.16754	0.39306	1.05E-18
8.24E-27	-0.10284	0.02626	0.026383	0.56954	-0.12874	0.00533	0.19518	2.16E-05
0.13312	0.141697	0.00214	0.261195	1.01E-08	0.265662	5.52E-09	0.327567	3.84E-13
0.48169	-0.26707	4.55E-09	-0.00141	0.97578	-0.0599	0.1963	0.033897	0.46492
3.84E-08	0.490087	1.38E-29	0.427403	3.67E-22	0.440703	1.30E-23	0.398067	3.49E-19
2.98E-24	0.027031	0.56011	0.240232	1.48E-07	0.044172	0.34086	0.267655	4.20E-09
0.00015	0.137603	0.00288	0.229222	5.53E-07	0.159212	0.00055	0.298098	4.87E-11
1.45E-20	-0.04236	0.36103	0.066549	0.15104	-0.07049	0.12823	0.283631	4.33E-10
0.0458	-0.20387	8.97E-06	0.020908	0.65223	0.012001	0.79591	0.012585	0.7862
4.35E-14	0.137819	0.00284	0.169872	0.00023	0.175106	0.00014	0.348842	8.26E-15
1.24E-23	0.372956	7.37E-17	0.394457	7.76E-19	0.394008	8.57E-19	0.551023	1.93E-38
0.68103	0.178438	0.00011	0.269933	3.07E-09	0.323252	8.07E-13	0.246003	7.25E-08
3.90E-17	0.138692	0.00267	0.2096	4.92E-06	0.153549	0.00087	0.277349	1.08E-09
8.34E-27	0.530219	3.25E-35	0.631049	3.06E-53	0.576218	1.15E-42	0.611416	3.24E-49
0.2068	0.229687	5.23E-07	0.35574	2.23E-15	0.372718	7.74E-17	0.310558	6.71E-12
2.45E-11	-0.02354	0.61182	0.189822	3.65E-05	0.061439	0.18504	0.181336	8.12E-05
0.90325	0.073832	0.11107	-0.10452	0.0239	-0.06005	0.19519	-0.09709	0.03595
4.57E-07	0.093996	0.04232	-0.22664	7.46E-07	-0.18837	4.19E-05	-0.26941	3.30E-09
4.00E-12	0.159939	0.00052	0.365741	3.16E-16	0.263989	6.93E-09	0.453273	4.85E-25
3.31E-32	0.391592	1.45E-18	0.484337	7.70E-29	0.445582	3.69E-24	0.541537	6.09E-37
5.34E-24	-0.03342	0.47127	-0.04718	0.30893	0.065129	0.15997	-0.16876	0.00025
2.02E-14	0.271309	2.53E-09	0.307553	1.09E-11	0.202214	1.06E-05	0.437823	2.72E-23
1.05E-13	0.364316	4.19E-16	0.371717	9.49E-17	0.251391	3.66E-08	0.427227	3.84E-22
8.52E-17	0.393648	9.27E-19	0.393588	9.39E-19	0.351104	5.40E-15	0.537346	2.70E-36
4.82E-17	0.227871	6.47E-07	0.341506	3.21E-14	0.322385	9.36E-13	0.379003	2.12E-17
0.00012	-0.04425	0.34002	0.18863	4.09E-05	0.077894	0.0927	0.138654	0.00267
0.00106	0.002377	0.95914	0.141468	0.00218	0.123996	0.0073	0.1796	9.52E-05
1.17E-07	0.128699	0.00535	0.19815	1.61E-05	0.186981	4.79E-05	0.359119	1.16E-15
6.41E-06	0.108318	0.01921	0.359401	1.10E-15	0.290939	1.46E-10	0.419281	2.63E-21
2.10E-38	0.2076	6.08E-06	0.295979	6.76E-11	0.268528	3.72E-09	0.571965	6.32E-42
2.50E-22	0.461769	4.84E-26	0.387909	3.22E-18	0.357124	1.71E-15	0.534854	6.49E-36
1.22E-09	-0.30391	1.96E-11	-0.37417	5.76E-17	-0.31336	4.24E-12	-0.38523	5.72E-18
1.16E-28	0.093826	0.0427	0.290969	1.45E-10	0.066352	0.15225	0.35726	1.66E-15
3.06E-28	0.408652	3.18E-20	0.451012	8.85E-25	0.422762	1.14E-21	0.440939	1.23E-23
1.21E-42	0.179399	9.69E-05	0.235521	2.62E-07	0.074362	0.10852	0.425124	6.41E-22
0.38314	0.112646	0.01487	0.189486	3.77E-05	0.262913	8.01E-09	0.230965	4.51E-07
1.78E-25	0.063617	0.16991	0.274357	1.65E-09	0.159815	0.00053	0.265209	5.87E-09

0.00153	0.111981	0.01548	0.176924	0.00012	0.124879	0.00689	0.293402	1.00E-10
0.16943	0.16579	0.00032	0.265757	5.45E-09	0.287961	2.28E-10	0.230312	4.87E-07
6.05E-48	0.323277	8.04E-13	0.430156	1.86E-22	0.270784	2.72E-09	0.546816	9.04E-38
0.02057	0.050219	0.2788	0.238765	1.77E-07	0.174233	0.00015	0.157157	0.00065
0.05985	0.060371	0.19281	0.218541	1.86E-06	0.258717	1.40E-08	0.300359	3.42E-11
0.00889	-0.28589	3.10E-10	-0.34401	2.03E-14	-0.34932	7.55E-15	-0.3663	2.83E-16
9.64E-07	0.096168	0.03776	0.150069	0.00114	0.074796	0.10647	0.298191	4.80E-11
6.79E-17	0.206074	7.13E-06	0.369495	1.49E-16	0.303749	2.01E-11	0.34136	3.30E-14
6.50E-20	0.023664	0.61	-0.11096	0.01645	-0.07537	0.10381	-0.39516	6.65E-19
1.36E-06	0.023462	0.61304	-0.04109	0.37559	-0.01151	0.80402	-0.21255	3.59E-06
6.75E-07	-0.24051	1.43E-07	-0.34613	1.37E-14	-0.37423	5.69E-17	-0.31919	1.61E-12
0.001	-0.05536	0.23243	-0.00843	0.85575	0.025861	0.57722	0.206317	6.96E-06
7.48E-16	-0.09213	0.0466	-0.06622	0.1531	-0.21699	2.21E-06	0.221507	1.34E-06
2.71E-16	-0.06335	0.17174	-0.17768	0.00011	-0.06319	0.17278	-0.27353	1.85E-09
8.36E-25	0.115607	0.01242	0.223476	1.07E-06	0.09186	0.04726	0.392876	1.10E-18
3.21E-38	0.332883	1.51E-13	0.417957	3.60E-21	0.315632	2.91E-12	0.570682	1.05E-41
3.60E-08	-0.12063	0.00907	0.063711	0.16929	-0.0275	0.55328	0.139219	0.00257
2.22E-28	0.482186	1.45E-28	0.514062	7.38E-33	0.435385	5.04E-23	0.792965	#####
5.22E-07	0.292321	1.18E-10	0.294111	9.01E-11	0.240353	1.46E-07	0.326072	4.97E-13
5.23E-07	0.149851	0.00116	0.280721	6.63E-10	0.251303	3.70E-08	0.391508	1.48E-18
0.583	0.149605	0.00118	0.304465	1.79E-11	0.125493	0.00662	-0.10933	0.01811
4.78E-10	0.054778	0.23741	0.269923	3.07E-09	0.116313	0.01189	0.294763	8.15E-11
1.44E-31	0.121964	0.00833	0.261092	1.02E-08	0.085775	0.06402	0.346959	1.17E-14
1.76E-34	0.361474	7.33E-16	0.450762	9.46E-25	0.405184	7.04E-20	0.622995	1.48E-51
7.32E-08	0.212224	3.72E-06	0.347382	1.09E-14	0.305724	1.46E-11	0.40432	8.57E-20
2.40E-10	0.156302	0.0007	0.294701	8.23E-11	0.242731	1.09E-07	0.293271	1.02E-10
8.78E-12	0.176595	0.00012	0.272592	2.11E-09	0.194228	2.38E-05	0.355175	2.49E-15
3.84E-32	0.233449	3.36E-07	0.401766	1.53E-19	0.286694	2.76E-10	0.444838	4.48E-24
1.08E-23	0.30562	1.49E-11	0.448866	1.56E-24	0.324765	6.23E-13	0.501422	4.22E-31
5.97E-25	0.385885	4.97E-18	0.466492	1.31E-26	0.391543	1.47E-18	0.478496	4.27E-28
0.09968	0.074555	0.1076	0.123908	0.00734	0.206768	6.63E-06	0.136813	0.00305
1.68E-34	0.367734	2.12E-16	0.368044	1.99E-16	0.235791	2.54E-07	0.441202	1.15E-23
1.16E-05	0.131478	0.00443	0.229063	5.63E-07	0.153954	0.00084	0.254391	2.48E-08
0.02801	0.003158	0.94573	0.161414	0.00046	0.066299	0.15258	0.139755	0.00247
2.17E-11	0.162521	0.00042	-0.00284	0.95119	0.164957	0.00034	-0.17268	0.00018
0.00555	0.139	0.00261	0.232513	3.75E-07	0.138684	0.00267	0.264847	6.17E-09
1.63E-17	0.382037	1.12E-17	0.416367	5.25E-21	0.357168	1.69E-15	0.48484	6.63E-29
5.73E-26	0.242642	1.10E-07	0.473891	1.61E-27	0.422293	1.27E-21	0.537867	2.25E-36
8.78E-10	0.209669	4.88E-06	0.358472	1.32E-15	0.287034	2.62E-10	0.387932	3.20E-18
0.0047	0.01341	0.77255	-0.13761	0.00288	-0.14214	0.00208	-0.18202	7.62E-05
5.79E-18	0.087679	0.05831	0.162492	0.00042	0.092513	0.0457	0.448241	1.84E-24
4.93E-15	0.299948	3.65E-11	0.358955	1.20E-15	0.296117	6.62E-11	0.465981	1.51E-26
3.30E-08	-0.04392	0.34361	0.110514	0.01689	-0.00994	0.8304	0.233588	3.31E-07
3.17E-19	0.12531	0.0067	0.272518	2.14E-09	0.09177	0.04748	0.339742	4.42E-14
0.00373	-0.08485	0.06694	0.097703	0.03479	-0.0429	0.35496	0.194593	2.29E-05

0.38334	0.051144	0.27003	0.1686	0.00025	0.13894	0.00262	0.154253	0.00082
0.01185	-0.01773	0.70236	0.175586	0.00014	0.034668	0.45482	0.112647	0.01487
1.36E-07	0.162385	0.00043	0.287153	2.57E-10	0.212938	3.44E-06	0.611441	3.21E-49
0.72709	0.089159	0.05418	-0.13313	0.00395	-0.05542	0.23193	-0.06937	0.13441
3.55E-26	0.229455	5.38E-07	0.343452	2.25E-14	0.184868	5.84E-05	0.392413	1.21E-18
7.35E-12	0.403321	1.07E-19	0.583722	5.40E-44	0.491587	8.75E-30	0.419142	2.71E-21
0.62266	0.197199	1.77E-05	0.278977	8.53E-10	0.303177	2.20E-11	0.192745	2.75E-05
1.75E-19	0.221529	1.33E-06	0.232481	3.77E-07	0.118249	0.01054	0.357695	1.53E-15
7.33E-31	0.362112	6.47E-16	0.323319	7.98E-13	0.249199	4.84E-08	0.490169	1.34E-29
2.52E-26	0.286311	2.92E-10	0.390911	1.68E-18	0.384436	6.76E-18	0.436733	3.59E-23
1.05E-48	0.419345	2.59E-21	0.563972	1.45E-40	0.459748	8.42E-26	0.622597	1.79E-51
7.70E-23	0.196477	1.90E-05	0.312698	4.73E-12	0.202779	1.00E-05	0.356474	1.94E-15
1.89E-08	0.197265	1.76E-05	0.282248	5.31E-10	0.300427	3.39E-11	0.322624	8.98E-13
3.22E-31	0.326969	4.26E-13	0.525429	1.67E-34	0.393064	1.05E-18	0.503309	2.33E-31
1.12E-19	0.146096	0.00155	0.385085	5.89E-18	0.243323	1.01E-07	0.480195	2.60E-28
2.68E-23	0.234702	2.89E-07	0.385545	5.34E-18	0.279498	7.91E-10	0.470803	3.89E-27
0.01744	0.040924	0.37758	0.226956	7.19E-07	0.099582	0.03143	0.036423	0.43231
1.86E-05	0.355991	2.13E-15	0.367366	2.28E-16	0.38192	1.15E-17	0.39373	9.10E-19
6.17E-28	0.193274	2.61E-05	0.217641	2.06E-06	0.07359	0.11224	0.297584	5.28E-11
5.64E-33	0.348724	8.44E-15	0.450159	1.11E-24	0.27483	1.54E-09	0.480699	2.25E-28
2.81E-28	-0.13324	0.00392	-0.16962	0.00023	-0.1282	0.00553	-0.41757	3.95E-21
9.71E-24	0.21338	3.28E-06	0.26411	6.82E-09	0.201378	1.16E-05	0.392681	1.15E-18
0.00124	0.174265	0.00015	0.323632	7.56E-13	0.269655	3.19E-09	0.230387	4.82E-07
5.01E-20	0.303554	2.07E-11	0.385345	5.57E-18	0.339649	4.50E-14	0.488245	2.40E-29
1.30E-16	0.304174	1.88E-11	0.516607	3.20E-33	0.405536	6.50E-20	0.509456	3.29E-32
5.02E-17	0.230067	5.01E-07	0.273777	1.79E-09	0.177309	0.00012	0.244446	8.81E-08
9.64E-15	0.133223	0.00393	0.251895	3.43E-08	0.097107	0.03592	0.372579	7.96E-17
4.08E-14	0.436973	3.38E-23	0.451634	7.50E-25	0.348465	8.86E-15	0.42676	4.30E-22
3.10E-20	0.012357	0.78998	-0.11788	0.01079	-0.12829	0.0055	-0.32454	6.48E-13
0.00145	0.416983	4.54E-21	0.47481	1.24E-27	0.378028	2.60E-17	0.293695	9.60E-11
1.63E-11	-0.08814	0.05701	-0.12337	0.0076	-0.05448	0.23994	-0.23364	3.28E-07
2.58E-24	0.400167	2.19E-19	0.476697	7.19E-28	0.333889	1.27E-13	0.497707	1.34E-30
6.96E-18	0.325814	5.20E-13	0.417077	4.44E-21	0.378139	2.54E-17	0.522253	4.89E-34
0.0777	-0.00832	0.85773	0.150974	0.00107	0.141334	0.0022	0.165553	0.00033
1.05E-15	0.006932	0.88123	0.075645	0.10254	-0.02489	0.59158	0.29623	6.51E-11
2.69E-16	0.02974	0.52145	0.127987	0.00561	-0.02183	0.63796	0.179956	9.21E-05
0.24157	0.065632	0.15677	0.184231	6.20E-05	0.210558	4.44E-06	0.20258	1.02E-05
3.63E-18	0.218334	1.91E-06	0.303683	2.03E-11	0.243329	1.01E-07	0.336499	7.94E-14
1.51E-35	0.534331	7.80E-36	0.595234	4.20E-46	0.562421	2.63E-40	0.649314	2.96E-57
0.00534	-0.08491	0.06675	0.270758	2.73E-09	0.120571	0.0091	0.209077	5.20E-06
7.48E-14	0.376594	3.49E-17	0.561742	3.41E-40	0.502183	3.32E-31	0.476359	7.93E-28
9.48E-07	0.212367	3.66E-06	-0.01186	0.79828	-0.00022	0.99623	-0.20745	6.17E-06
2.14E-21	0.031262	0.50036	-0.09795	0.03433	0.022723	0.62428	-0.19455	2.30E-05
0.0176	0.080661	0.08164	0.262418	8.57E-09	0.302334	2.51E-11	0.269123	3.43E-09
3.90E-05	0.203389	9.43E-06	0.341283	3.34E-14	0.312465	4.91E-12	0.318192	1.90E-12

0.21102	0.1912	3.19E-05	0.322847	8.65E-13	0.307754	1.06E-11	0.243644	9.73E-08
0.00078	0.027586	0.55207	0.137215	0.00296	0.090103	0.05167	0.070601	0.12763
6.47E-28	0.283396	4.49E-10	0.365606	3.24E-16	0.285461	3.31E-10	0.48806	2.54E-29
2.01E-37	0.339936	4.27E-14	0.563663	1.63E-40	0.39464	7.46E-19	0.572801	4.53E-42
7.12E-05	0.295268	7.55E-11	0.400486	2.04E-19	0.303086	2.23E-11	0.253866	2.66E-08
1.02E-09	0.476534	7.54E-28	0.573587	3.31E-42	0.523553	3.16E-34	0.543	3.60E-37
1.54E-17	0.151925	0.00099	0.346665	1.24E-14	0.152179	0.00097	0.431996	1.18E-22
0.16321	0.101861	0.02773	0.229712	5.22E-07	0.104895	0.02339	0.271467	2.48E-09
2.98E-42	0.336303	8.23E-14	0.48122	1.93E-28	0.313929	3.86E-12	0.499982	6.61E-31
3.70E-06	-0.16328	0.0004	-0.27506	1.49E-09	-0.28889	1.99E-10	-0.31922	1.60E-12
0.02793	0.14093	0.00227	0.228361	6.11E-07	0.238759	1.77E-07	0.150999	0.00106
5.19E-08	0.429173	2.38E-22	0.48383	8.94E-29	0.443481	6.38E-24	0.414685	7.81E-21
0.00318	0.361191	7.75E-16	0.343871	2.08E-14	0.35883	1.23E-15	0.313806	3.94E-12
1.00E-31	0.249631	4.58E-08	0.356272	2.01E-15	0.272108	2.26E-09	0.469621	5.43E-27
0.77287	0.255872	2.04E-08	0.331082	2.08E-13	0.304306	1.84E-11	0.298978	4.25E-11
1.21E-11	0.318667	1.75E-12	0.523332	3.40E-34	0.437794	2.74E-23	0.496584	1.90E-30
0.07962	0.047112	0.30966	0.221305	1.37E-06	0.150584	0.0011	0.48581	4.97E-29
0.00292	-0.05843	0.20755	-0.16184	0.00045	-0.15927	0.00055	-0.29827	4.74E-11
0.10408	0.122397	0.0081	0.295456	7.33E-11	0.295616	7.15E-11	0.234095	3.11E-07
0.00371	0.282385	5.20E-10	-0.00998	0.8297	-0.04581	0.32322	0.073152	0.11441
1.23E-15	0.214307	2.97E-06	0.286933	2.66E-10	0.129205	0.00517	0.441793	9.86E-24
5.25E-37	0.387043	3.88E-18	0.49251	6.61E-30	0.442523	8.17E-24	0.626676	2.55E-52
1.14E-05	-0.0408	0.37898	-0.08032	0.08292	-0.13879	0.00265	-0.25099	3.85E-08
0.00065	0.170947	0.00021	0.261829	9.27E-09	0.099242	0.03202	0.28257	5.06E-10
1.03E-07	0.233035	3.53E-07	0.408689	3.15E-20	0.23721	2.14E-07	0.200709	1.24E-05
5.67E-10	0.217101	2.18E-06	0.403752	9.75E-20	0.468548	7.34E-27	0.469961	4.93E-27
2.79E-06	0.244286	8.99E-08	0.383749	7.82E-18	0.248936	5.00E-08	0.377099	3.15E-17
7.16E-12	0.288535	2.09E-10	0.268405	3.79E-09	0.235275	2.70E-07	0.333424	1.37E-13
1.44E-13	0.324167	6.90E-13	0.457605	1.51E-25	0.458339	1.24E-25	0.503334	2.31E-31
7.41E-07	0.267446	4.32E-09	0.066492	0.15139	-0.05844	0.20746	-0.00945	0.83854
0.17756	0.024937	0.5909	0.405192	7.03E-20	0.18931	3.83E-05	0.215388	2.64E-06
2.26E-05	0.409989	2.34E-20	0.474819	1.24E-27	0.466165	1.43E-26	0.364547	4.00E-16
0.18797	0.409433	2.66E-20	0.408664	3.17E-20	0.461993	4.55E-26	0.420021	2.20E-21
3.35E-22	0.284366	3.89E-10	0.227066	7.10E-07	0.273387	1.89E-09	0.339054	5.01E-14
1.39E-27	0.533209	1.15E-35	0.529833	3.71E-35	0.433037	9.10E-23	0.542544	4.24E-37
1.78E-25	0.578434	4.71E-43	0.401043	1.80E-19	0.366962	2.47E-16	0.420774	1.84E-21
2.08E-12	0.477204	6.21E-28	0.488645	2.13E-29	0.537578	2.49E-36	0.489412	1.69E-29
3.61E-09	0.476263	8.16E-28	0.371071	1.08E-16	0.396921	4.51E-19	0.339106	4.96E-14
2.82E-08	0.535744	4.75E-36	0.446889	2.63E-24	0.527158	9.29E-35	0.443009	7.20E-24
9.50E-33	0.41877	2.97E-21	0.436862	3.47E-23	0.387955	3.19E-18	0.440855	1.25E-23
1.15E-31	0.574697	2.13E-42	0.522165	5.04E-34	0.553576	7.48E-39	0.62991	5.33E-53
3.81E-16	0.339209	4.87E-14	0.215042	2.74E-06	0.221416	1.35E-06	0.338605	5.44E-14
3.72E-32	-0.36202	6.58E-16	-0.31732	2.20E-12	-0.24092	1.36E-07	-0.41674	4.81E-21
9.07E-06	-0.42753	3.56E-22	-0.28148	5.94E-10	-0.3286	3.21E-13	-0.24448	8.77E-08
1.66E-13	0.193037	2.67E-05	0.121318	0.00868	0.129555	0.00505	0.346113	1.37E-14

1.94E-25	0.301261	2.97E-11	0.163915	0.00038	0.146554	0.00149	0.458662	1.13E-25
9.23E-11	-0.20707	6.43E-06	-0.19687	1.83E-05	-0.16503	0.00034	-0.18092	8.43E-05
3.43E-17	0.539567	1.23E-36	0.544164	2.37E-37	0.573797	3.05E-42	0.518659	1.62E-33
0.00695	0.455007	3.04E-25	0.432497	1.04E-22	0.552442	1.14E-38	0.393773	9.02E-19
0.1784	0.259885	1.20E-08	0.206713	6.67E-06	0.377395	2.96E-17	0.277609	1.04E-09
1.51E-05	-0.17911	9.96E-05	-0.17588	0.00013	-0.29484	8.06E-11	-0.25387	2.65E-08
3.48E-49	0.412689	1.25E-20	0.333056	1.47E-13	0.277752	1.02E-09	0.475672	9.67E-28
1.01E-13	0.332431	1.64E-13	0.317494	2.14E-12	0.316775	2.41E-12	0.303663	2.03E-11
4.89E-44	-0.4837	9.29E-29	-0.41803	3.54E-21	-0.37571	4.20E-17	-0.47324	1.94E-27
1.59E-50	0.38873	2.70E-18	0.3642	4.28E-16	0.343725	2.14E-14	0.577692	6.36E-43
2.80E-73	0.521778	5.74E-34	0.519926	1.07E-33	0.477109	6.39E-28	0.729527	9.79E-79
3.82E-23	-0.31468	3.41E-12	-0.26562	5.55E-09	-0.30578	1.45E-11	-0.45062	9.82E-25
5.83E-32	0.626083	3.40E-52	0.369078	1.62E-16	0.344661	1.80E-14	0.524741	2.11E-34
1.71E-20	0.599828	5.72E-47	0.493175	5.40E-30	0.495197	2.91E-30	0.518053	1.98E-33
2.34E-05	-0.28016	7.19E-10	-0.36794	2.03E-16	-0.36279	5.67E-16	-0.29168	1.30E-10
8.11E-30	0.525432	1.67E-34	0.448636	1.66E-24	0.457891	1.40E-25	0.540854	7.78E-37
5.38E-07	-0.35586	2.18E-15	-0.40579	6.14E-20	-0.39528	6.48E-19	-0.37082	1.14E-16
4.91E-36	0.330989	2.11E-13	0.277992	9.82E-10	0.225071	8.92E-07	0.371732	9.46E-17
4.55E-48	-0.48483	6.65E-29	-0.38503	5.95E-18	-0.34003	4.20E-14	-0.57378	3.07E-42
3.74E-49	0.549072	3.96E-38	0.458098	1.32E-25	0.429523	2.18E-22	0.54101	7.35E-37
9.14E-60	0.57447	2.33E-42	0.552754	1.02E-38	0.535548	5.09E-36	0.637079	1.55E-54
6.95E-08	0.324956	6.03E-13	0.25278	3.06E-08	0.305021	1.64E-11	0.295269	7.55E-11
2.40E-45	0.581254	1.49E-43	0.556262	2.73E-39	0.521548	6.20E-34	0.635559	3.31E-54
0.02098	0.289446	1.83E-10	0.320952	1.19E-12	0.397845	3.67E-19	0.346717	1.23E-14
7.13E-31	0.626805	2.40E-52	0.507509	6.14E-32	0.538058	2.10E-36	0.470189	4.62E-27
7.50E-29	0.473173	1.98E-27	0.510764	2.15E-32	0.457915	1.39E-25	0.56682	4.79E-41
1.57E-20	0.499338	8.08E-31	0.554116	6.11E-39	0.449243	1.41E-24	0.412458	1.32E-20
1.87E-34	0.522433	4.60E-34	0.568367	2.61E-41	0.50871	4.18E-32	0.477845	5.16E-28
8.97E-27	0.537975	2.16E-36	0.544158	2.37E-37	0.567906	3.13E-41	0.596696	2.23E-46
8.01E-26	0.550413	2.42E-38	0.498801	9.55E-31	0.499352	8.05E-31	0.61714	2.33E-50
1.39E-18	-0.4726	2.33E-27	-0.36784	2.07E-16	-0.39213	1.29E-18	-0.42247	1.22E-21
1.53E-11	0.29319	1.04E-10	0.277884	9.98E-10	0.260284	1.14E-08	0.328887	3.05E-13
6.82E-49	0.390458	1.86E-18	0.379952	1.74E-17	0.28341	4.48E-10	0.499292	8.20E-31
1.76E-48	0.601458	2.80E-47	0.529441	4.25E-35	0.47511	1.14E-27	0.646909	1.04E-56
4.88E-33	0.337059	7.18E-14	0.412864	1.20E-20	0.313937	3.86E-12	0.411997	1.46E-20
3.23E-32	0.591136	2.42E-45	0.505609	1.12E-31	0.51308	1.02E-32	0.540754	8.06E-37
7.53E-06	0.391429	1.50E-18	0.270937	2.67E-09	0.416081	5.62E-21	0.285877	3.11E-10
3.59E-72	0.668894	7.05E-62	0.566913	4.62E-41	0.534929	6.33E-36	0.66	9.80E-60
3.02E-31	0.564748	1.07E-40	0.494194	3.95E-30	0.503694	2.06E-31	0.617066	2.41E-50
1.71E-20	0.383616	8.04E-18	0.461053	5.89E-26	0.451263	8.28E-25	0.471154	3.52E-27
4.62E-34	0.377665	2.80E-17	0.435447	4.97E-23	0.373413	6.72E-17	0.5565	2.50E-39
0.00022	0.331547	1.91E-13	0.332917	1.50E-13	0.364068	4.40E-16	0.224082	9.99E-07
6.57E-53	0.416077	5.62E-21	0.408872	3.02E-20	0.336497	7.94E-14	0.530366	3.09E-35
1.49E-08	-0.24589	7.35E-08	-0.18936	3.81E-05	-0.33315	1.44E-13	-0.24439	8.87E-08
0.00011	0.426718	4.35E-22	0.412596	1.27E-20	0.399409	2.59E-19	0.416728	4.82E-21

3.79E-52	0.516707	3.10E-33	0.568989	2.05E-41	0.533059	1.22E-35	0.652215	6.42E-58
1.38E-12	0.306203	1.36E-11	0.304993	1.65E-11	0.349712	7.01E-15	0.306996	1.19E-11
1.86E-43	0.453975	4.02E-25	0.499981	6.62E-31	0.482458	1.34E-28	0.623155	1.38E-51
5.84E-48	0.528392	6.09E-35	0.571346	8.08E-42	0.556518	2.48E-39	0.63992	3.71E-55
2.13E-49	0.523891	2.82E-34	0.548762	4.44E-38	0.481055	2.02E-28	0.615809	4.32E-50
3.20E-34	0.439645	1.71E-23	0.422043	1.35E-21	0.358209	1.39E-15	0.560511	5.46E-40
1.77E-68	0.512821	1.11E-32	0.47871	4.01E-28	0.390637	1.79E-18	0.572581	4.95E-42
1.57E-32	0.417011	4.51E-21	0.252994	2.97E-08	0.258118	1.52E-08	0.412955	1.17E-20
5.85E-46	-0.23373	3.25E-07	-0.27118	2.58E-09	-0.16863	0.00025	-0.44025	1.47E-23
4.94E-38	-0.33299	1.48E-13	-0.29085	1.48E-10	-0.2126	3.57E-06	-0.48707	3.41E-29
8.75E-69	0.655941	8.81E-59	0.439142	1.95E-23	0.404891	7.53E-20	0.656863	5.37E-59
4.69E-28	0.506983	7.26E-32	0.435022	5.53E-23	0.402943	1.17E-19	0.50383	1.98E-31
0.23204	0.406851	4.81E-20	0.345897	1.43E-14	0.497895	1.27E-30	0.290268	1.61E-10
1.67E-22	0.369461	1.50E-16	0.407232	4.41E-20	0.381071	1.38E-17	0.386671	4.20E-18
5.11E-50	0.639246	5.22E-55	0.568826	2.18E-41	0.568006	3.01E-41	0.70981	8.91E-73
8.35E-66	0.455827	2.44E-25	0.511873	1.50E-32	0.413312	1.08E-20	0.632995	1.18E-53
2.40E-12	0.526184	1.30E-34	0.495037	3.05E-30	0.475758	9.43E-28	0.389103	2.49E-18
3.46E-11	0.305184	1.60E-11	0.358494	1.31E-15	0.306702	1.25E-11	0.301764	2.75E-11
1.61E-26	0.59551	3.73E-46	0.529407	4.30E-35	0.49669	1.84E-30	0.618715	1.12E-50
3.39E-37	0.645468	2.18E-56	0.593624	8.38E-46	0.535028	6.11E-36	0.59389	7.48E-46
1.11E-12	0.396302	5.17E-19	0.364571	3.98E-16	0.379271	2.00E-17	0.375992	3.96E-17
5.21E-53	0.500202	6.17E-31	0.491291	9.58E-30	0.488357	2.32E-29	0.609757	6.89E-49
1.28E-40	0.616534	3.08E-50	0.559575	7.80E-40	0.593849	7.61E-46	0.530608	2.84E-35
5.65E-44	-0.38722	3.74E-18	-0.28403	4.08E-10	-0.21234	3.67E-06	-0.56359	1.67E-40
2.28E-41	0.447147	2.45E-24	0.33251	1.62E-13	0.29353	9.85E-11	0.457317	1.63E-25
2.90E-24	-0.28931	1.87E-10	-0.18122	8.20E-05	-0.15627	0.0007	-0.41975	2.35E-21
2.18E-45	0.360618	8.67E-16	0.370254	1.28E-16	0.288365	2.15E-10	0.490603	1.18E-29
6.15E-29	0.306262	1.34E-11	0.311797	5.48E-12	0.220827	1.44E-06	0.433099	8.96E-23
0.00015	-0.43662	3.69E-23	-0.448	1.96E-24	-0.48563	5.24E-29	-0.16815	0.00026
5.45E-24	0.202782	1.00E-05	0.274362	1.65E-09	0.212991	3.42E-06	0.277269	1.09E-09
6.21E-65	0.464005	2.61E-26	0.454454	3.53E-25	0.393851	8.87E-19	0.555923	3.11E-39
0.00683	-0.25064	4.03E-08	-0.33857	5.47E-14	-0.40441	8.40E-20	-0.29651	6.23E-11
9.82E-57	0.386365	4.48E-18	0.379509	1.91E-17	0.310795	6.46E-12	0.53009	3.40E-35
1.10E-23	0.489287	1.75E-29	0.48112	1.99E-28	0.482968	1.15E-28	0.505905	1.02E-31
3.53E-23	0.380386	1.59E-17	0.487961	2.61E-29	0.402545	1.28E-19	0.443037	7.15E-24
1.15E-41	0.72452	3.58E-77	0.584717	3.57E-44	0.553562	7.52E-39	0.679309	1.75E-64
1.50E-45	0.476703	7.18E-28	0.407208	4.43E-20	0.451645	7.48E-25	0.564081	1.39E-40
2.45E-57	0.64468	3.28E-56	0.537063	2.99E-36	0.536347	3.84E-36	0.656726	5.78E-59
2.08E-40	0.312981	4.51E-12	0.350073	6.55E-15	0.278523	9.10E-10	0.498625	1.01E-30
8.26E-22	0.581487	1.35E-43	0.579399	3.18E-43	0.562551	2.50E-40	0.583876	5.06E-44
1.41E-31	0.668	1.17E-61	0.56614	6.24E-41	0.556401	2.60E-39	0.55667	2.34E-39
2.09E-23	-0.06074	0.1901	-0.08749	0.05885	-0.09747	0.03522	-0.3249	6.08E-13
3.68E-40	0.355272	2.44E-15	0.366659	2.63E-16	0.314763	3.36E-12	0.533394	1.08E-35
3.22E-34	0.691082	1.46E-67	0.586813	1.49E-44	0.611697	2.85E-49	0.57904	3.68E-43
3.08E-07	0.297837	5.08E-11	0.32655	4.58E-13	0.457672	1.48E-25	0.392355	1.23E-18

3.93E-22	0.432465	1.05E-22	0.431943	1.20E-22	0.447785	2.08E-24	0.499596	7.46E-31
1.02E-26	0.497289	1.53E-30	0.466791	1.20E-26	0.496382	2.02E-30	0.544451	2.13E-37
5.79E-12	0.219252	1.72E-06	0.339879	4.32E-14	0.273191	1.94E-09	0.462647	3.80E-26
9.94E-57	0.528615	5.65E-35	0.557732	1.57E-39	0.519428	1.26E-33	0.672862	7.38E-63
2.74E-22	0.421936	1.39E-21	0.339769	4.40E-14	0.274169	1.69E-09	0.341443	3.25E-14
8.50E-31	0.659082	1.62E-59	0.460002	7.85E-26	0.483476	9.93E-29	0.584091	4.63E-44
1.31E-45	0.630457	4.08E-53	0.611372	3.31E-49	0.580327	2.18E-43	0.66369	1.29E-60
1.90E-29	0.388708	2.71E-18	0.431386	1.37E-22	0.412662	1.25E-20	0.46421	2.47E-26
5.40E-57	0.593657	8.26E-46	0.450303	1.07E-24	0.419814	2.31E-21	0.668585	8.40E-62
6.80E-25	0.462441	4.02E-26	0.400211	2.17E-19	0.422351	1.26E-21	0.561424	3.85E-40
0.00127	0.495972	2.29E-30	0.419268	2.63E-21	0.585069	3.09E-44	0.316953	2.34E-12
1.04E-19	-0.45171	7.36E-25	-0.37839	2.41E-17	-0.40651	5.20E-20	-0.51625	3.60E-33
1.58E-24	0.449258	1.41E-24	0.39714	4.29E-19	0.479878	2.86E-28	0.525304	1.75E-34
4.60E-34	0.674615	2.69E-63	0.544327	2.23E-37	0.566299	5.86E-41	0.627858	1.44E-52
3.93E-34	0.628133	1.26E-52	0.348937	8.11E-15	0.405878	6.01E-20	0.374305	5.60E-17
6.95E-18	0.634791	4.84E-54	0.612048	2.43E-49	0.634306	6.15E-54	0.529435	4.26E-35
1.81E-29	0.474393	1.40E-27	0.540927	7.58E-37	0.447709	2.12E-24	0.487372	3.12E-29
3.52E-58	0.512545	1.21E-32	0.548359	5.15E-38	0.518546	1.69E-33	0.678099	3.56E-64
7.20E-34	0.409529	2.60E-20	0.281852	5.62E-10	0.245245	7.97E-08	0.335599	9.33E-14
4.79E-18	-0.52131	6.71E-34	-0.45026	1.08E-24	-0.44244	8.35E-24	-0.46741	1.01E-26
3.28E-55	0.66611	3.37E-61	0.55014	2.67E-38	0.553309	8.26E-39	0.645674	1.96E-56
0.59027	0.343073	2.41E-14	0.31861	1.77E-12	0.426721	4.34E-22	0.170467	0.00021
2.79E-07	0.483834	8.93E-29	0.628445	1.09E-52	0.645205	2.50E-56	0.482498	1.32E-28
3.33E-09	0.451095	8.66E-25	0.297074	5.71E-11	0.368204	1.93E-16	0.335844	8.93E-14
8.45E-11	0.570101	1.32E-41	0.402956	1.17E-19	0.467908	8.79E-27	0.268189	3.90E-09
1.16E-66	0.501208	4.51E-31	0.513069	1.02E-32	0.445052	4.24E-24	0.59205	1.64E-45
2.32E-11	-0.52404	2.68E-34	-0.30574	1.46E-11	-0.26161	9.55E-09	-0.40125	1.72E-19
4.47E-28	0.477181	6.26E-28	0.424688	7.13E-22	0.384318	6.93E-18	0.504126	1.80E-31
2.15E-35	0.439758	1.66E-23	0.458686	1.12E-25	0.468791	6.86E-27	0.575479	1.55E-42
8.64E-44	0.585754	2.32E-44	0.488045	2.55E-29	0.47223	2.59E-27	0.533507	1.04E-35
5.90E-29	-0.41682	4.71E-21	-0.44146	1.07E-23	-0.39149	1.49E-18	-0.51851	1.70E-33
4.03E-35	0.573289	3.73E-42	0.471367	3.31E-27	0.467469	9.94E-27	0.645795	1.84E-56
3.87E-09	-0.437	3.35E-23	-0.3641	4.37E-16	-0.36141	7.42E-16	-0.31396	3.84E-12
2.28E-36	0.556639	2.37E-39	0.475947	8.93E-28	0.501652	3.92E-31	0.658974	1.71E-59
1.26E-32	0.647218	8.82E-57	0.491109	1.01E-29	0.478856	3.85E-28	0.536673	3.43E-36
3.20E-23	0.441875	9.65E-24	0.349109	7.86E-15	0.371474	9.97E-17	0.406969	4.68E-20
4.77E-30	0.556601	2.41E-39	0.503827	1.98E-31	0.47371	1.70E-27	0.572103	5.98E-42
1.66E-21	0.359625	1.05E-15	0.245014	8.21E-08	0.24823	5.47E-08	0.43236	1.08E-22
8.90E-22	0.207283	6.29E-06	0.191225	3.19E-05	0.126968	0.006	0.428981	2.49E-22
6.47E-09	-0.40651	5.20E-20	-0.28321	4.61E-10	-0.31092	6.33E-12	-0.28463	3.74E-10
1.07E-17	0.508495	4.47E-32	0.502772	2.76E-31	0.436027	4.29E-23	0.50039	5.82E-31
3.72E-48	0.561791	3.35E-40	0.453338	4.76E-25	0.43967	1.70E-23	0.502743	2.78E-31
3.23E-17	-0.4715	3.19E-27	-0.32074	1.24E-12	-0.39737	4.08E-19	-0.44894	1.53E-24
0.16254	0.255413	2.17E-08	0.375198	4.66E-17	0.42327	1.01E-21	0.301364	2.92E-11
1.85E-16	0.526359	1.22E-34	0.401547	1.60E-19	0.42478	6.97E-22	0.33819	5.86E-14



0.01594	0.294112	9.01E-11	0.200899	1.22E-05	0.195064	2.19E-05	0.097559	0.03506
3.93E-06	0.468393	7.67E-27	0.465422	1.76E-26	0.495128	2.97E-30	0.303312	2.15E-11
1.00E-29	0.606492	3.00E-48	0.470078	4.77E-27	0.389516	2.28E-18	0.517792	2.16E-33
2.95E-30	0.48237	1.38E-28	0.463532	2.98E-26	0.470251	4.54E-27	0.524331	2.43E-34
2.03E-13	0.509608	3.13E-32	0.416343	5.28E-21	0.501514	4.10E-31	0.375871	4.06E-17
9.22E-19	0.555279	3.96E-39	0.549059	3.98E-38	0.549759	3.08E-38	0.501484	4.14E-31
9.22E-06	0.467862	8.90E-27	0.434639	6.09E-23	0.4531	5.08E-25	0.343693	2.15E-14
7.77E-21	0.384475	6.70E-18	0.426527	4.55E-22	0.39294	1.08E-18	0.403662	9.95E-20
1.76E-54	0.630982	3.16E-53	0.43468	6.02E-23	0.374749	5.11E-17	0.493122	5.49E-30
5.10E-19	-0.33985	4.33E-14	-0.33791	6.16E-14	-0.35092	5.59E-15	-0.39222	1.27E-18
1.69E-64	0.625639	4.20E-52	0.540892	7.67E-37	0.515963	3.96E-33	0.64077	2.41E-55
3.01E-14	-0.3597	1.04E-15	-0.36	9.77E-16	-0.3989	2.90E-19	-0.30462	1.75E-11
1.15E-14	0.342682	2.59E-14	0.346386	1.31E-14	0.411328	1.71E-20	0.442274	8.71E-24
5.84E-40	0.580008	2.48E-43	0.553044	9.12E-39	0.536481	3.67E-36	0.543537	2.97E-37
4.70E-29	0.504307	1.70E-31	0.464612	2.21E-26	0.432922	9.36E-23	0.472137	2.66E-27
1.31E-52	0.661694	3.88E-60	0.482849	1.19E-28	0.447451	2.27E-24	0.521954	5.41E-34
4.26E-06	-0.27539	1.42E-09	-0.34134	3.31E-14	-0.296	6.74E-11	-0.31695	2.34E-12
1.17E-15	0.424734	7.05E-22	0.238728	1.78E-07	0.280122	7.23E-10	0.47643	7.77E-28
8.62E-07	-0.37218	8.64E-17	-0.28483	3.63E-10	-0.3492	7.72E-15	-0.2018	1.11E-05
3.22E-25	0.266314	5.05E-09	0.280791	6.56E-10	0.263585	7.32E-09	0.338408	5.63E-14
1.97E-41	0.297854	5.06E-11	0.339785	4.39E-14	0.279551	7.85E-10	0.40487	7.56E-20
1.56E-17	0.422435	1.23E-21	0.438647	2.21E-23	0.414626	7.91E-21	0.402469	1.30E-19
1.80E-22	0.131678	0.00437	0.200492	1.27E-05	0.116882	0.01148	0.38552	5.37E-18
1.72E-50	0.618694	1.13E-50	0.576756	9.28E-43	0.528077	6.79E-35	0.646884	1.05E-56
1.73E-08	-0.48296	1.16E-28	-0.32208	9.85E-13	-0.25112	3.79E-08	-0.47213	2.67E-27
1.50E-35	0.666567	2.61E-61	0.547194	7.88E-38	0.510784	2.14E-32	0.521613	6.06E-34
1.16E-71	0.647626	7.13E-57	0.515611	4.44E-33	0.466294	1.38E-26	0.606081	3.60E-48
1.73E-29	0.695742	8.02E-69	0.632918	1.22E-53	0.61318	1.45E-49	0.693745	2.80E-68
1.68E-33	0.542521	4.28E-37	0.461172	5.70E-26	0.363774	4.66E-16	0.49131	9.52E-30
2.41E-36	0.513951	7.65E-33	0.52956	4.08E-35	0.475104	1.14E-27	0.5546	5.10E-39
8.11E-38	0.586365	1.80E-44	0.469353	5.85E-27	0.429413	2.24E-22	0.441719	1.00E-23
3.98E-32	-0.40422	8.77E-20	-0.31879	1.72E-12	-0.36422	4.27E-16	-0.54351	3.00E-37
8.59E-55	0.658233	2.56E-59	0.558201	1.31E-39	0.488746	2.06E-29	0.671263	1.84E-62
3.58E-11	0.450878	9.17E-25	0.365511	3.30E-16	0.344635	1.81E-14	0.400312	2.12E-19
1.00E-20	0.512965	1.05E-32	0.456785	1.88E-25	0.468526	7.39E-27	0.391084	1.62E-18
1.46E-75	0.511828	1.53E-32	0.454359	3.62E-25	0.414723	7.74E-21	0.663876	1.17E-60
2.60E-16	0.610705	4.48E-49	0.512903	1.08E-32	0.589124	5.66E-45	0.467165	1.08E-26
7.79E-08	0.231904	4.04E-07	0.233072	3.51E-07	0.249031	4.94E-08	0.175853	0.00013
3.01E-10	0.212493	3.61E-06	0.146918	0.00145	0.163421	0.00039	0.374026	5.92E-17
1.68E-44	0.732472	1.14E-79	0.560789	4.91E-40	0.58654	1.67E-44	0.551583	1.57E-38
4.83E-39	-0.35638	1.97E-15	-0.29485	8.05E-11	-0.26558	5.58E-09	-0.46666	1.25E-26
0.0034	0.369372	1.53E-16	0.321114	1.16E-12	0.434828	5.80E-23	0.222099	1.25E-06
6.93E-36	0.56708	4.32E-41	0.439772	1.66E-23	0.518916	1.49E-33	0.554507	5.28E-39
1.93E-32	-0.4208	1.83E-21	-0.36593	3.04E-16	-0.36326	5.16E-16	-0.44188	9.64E-24
5.86E-41	0.585651	2.42E-44	0.501302	4.38E-31	0.480594	2.32E-28	0.60312	1.35E-47

1.05E-29	0.605837	4.02E-48	0.6113	3.42E-49	0.590861	2.72E-45	0.662268	2.83E-60
3.14E-48	0.542467	4.36E-37	0.508482	4.49E-32	0.470276	4.51E-27	0.578489	4.60E-43
1.13E-63	0.395198	6.59E-19	0.375691	4.21E-17	0.303674	2.03E-11	0.523919	2.79E-34
1.22E-07	0.178188	0.00011	0.251333	3.68E-08	0.202082	1.08E-05	0.207943	5.86E-06
2.30E-09	-0.5285	5.86E-35	-0.41864	3.06E-21	-0.48622	4.40E-29	-0.46779	9.09E-27
1.94E-56	0.525594	1.58E-34	0.484133	8.17E-29	0.387461	3.54E-18	0.469949	4.95E-27
3.18E-21	0.420776	1.84E-21	0.363208	5.21E-16	0.371368	1.02E-16	0.453476	4.59E-25
4.01E-29	0.684778	6.78E-66	0.570186	1.28E-41	0.544331	2.23E-37	0.611233	3.53E-49
1.60E-12	0.270055	3.01E-09	0.32823	3.42E-13	0.316988	2.32E-12	0.322167	9.71E-13
1.01E-35	0.620748	4.30E-51	0.491612	8.69E-30	0.551012	1.94E-38	0.553527	7.62E-39
3.16E-13	0.512322	1.30E-32	0.50579	1.06E-31	0.471847	2.89E-27	0.574235	2.56E-42
0.00011	-0.31465	3.43E-12	-0.40954	2.59E-20	-0.42	2.21E-21	-0.36914	1.60E-16
0.00044	0.225209	8.79E-07	0.32411	6.97E-13	0.442561	8.09E-24	0.316831	2.39E-12
9.54E-29	-0.4733	1.91E-27	-0.24651	6.80E-08	-0.27028	2.92E-09	-0.40253	1.29E-19
2.01E-42	0.685352	4.80E-66	0.664069	1.05E-60	0.627515	1.70E-52	0.594037	7.02E-46
6.25E-47	0.551276	1.76E-38	0.50068	5.32E-31	0.481531	1.76E-28	0.467349	1.03E-26
6.82E-18	0.527385	8.60E-35	0.451681	7.41E-25	0.483433	1.01E-28	0.440466	1.39E-23
1.74E-31	0.760471	3.13E-89	0.556719	2.30E-39	0.58172	1.23E-43	0.556141	2.86E-39
2.16E-10	0.52319	3.57E-34	0.309167	8.41E-12	0.288251	2.19E-10	0.367548	2.20E-16
7.91E-19	0.625058	5.55E-52	0.570684	1.05E-41	0.582535	8.81E-44	0.557767	1.55E-39
8.46E-24	0.677571	4.84E-64	0.566707	5.00E-41	0.560138	6.30E-40	0.601665	2.56E-47
1.12E-09	0.484884	6.54E-29	0.21703	2.20E-06	0.337696	6.40E-14	0.264588	6.39E-09
2.53E-09	0.373216	6.99E-17	0.527824	7.40E-35	0.469792	5.17E-27	0.455676	2.54E-25
2.73E-15	0.540881	7.70E-37	0.473099	2.02E-27	0.499512	7.66E-31	0.416117	5.57E-21
4.99E-41	0.623483	1.18E-51	0.593007	1.09E-45	0.572391	5.33E-42	0.622243	2.12E-51
4.99E-67	0.603091	1.36E-47	0.59125	2.31E-45	0.527966	7.05E-35	0.671948	1.25E-62
2.02E-79	0.489292	1.75E-29	0.425562	5.76E-22	0.343937	2.05E-14	0.596642	2.29E-46
1.15E-18	0.379203	2.03E-17	0.232301	3.85E-07	0.24814	5.54E-08	0.432125	1.14E-22
7.36E-45	0.668179	1.06E-61	0.627287	1.90E-52	0.575285	1.68E-42	0.628602	1.01E-52
1.94E-46	0.696228	5.91E-69	0.45608	2.28E-25	0.501201	4.52E-31	0.594607	5.50E-46
1.43E-34	0.639213	5.30E-55	0.550304	2.52E-38	0.516448	3.37E-33	0.522082	5.18E-34
2.83E-23	0.624079	8.86E-52	0.587527	1.11E-44	0.564574	1.15E-40	0.583977	4.86E-44
6.37E-55	0.587929	9.36E-45	0.553761	6.98E-39	0.503856	1.96E-31	0.569759	1.51E-41
3.48E-40	0.627583	1.65E-52	0.51791	2.08E-33	0.512011	1.44E-32	0.522145	5.07E-34
6.46E-05	-0.42841	2.87E-22	-0.23774	2.01E-07	-0.33181	1.83E-13	-0.3015	2.86E-11
7.03E-34	0.502524	2.98E-31	0.517201	2.63E-33	0.519674	1.16E-33	0.581397	1.41E-43
4.32E-09	-0.3375	6.63E-14	-0.26756	4.26E-09	-0.23188	4.05E-07	-0.31277	4.67E-12
1.87E-36	0.666122	3.34E-61	0.448519	1.71E-24	0.472931	2.12E-27	0.465558	1.70E-26
0.00298	-0.43516	5.34E-23	-0.32669	4.47E-13	-0.39974	2.41E-19	-0.21509	2.72E-06
1.59E-17	0.387981	3.17E-18	0.389647	2.21E-18	0.429831	2.02E-22	0.454226	3.76E-25
6.92E-37	0.327219	4.08E-13	0.426698	4.37E-22	0.336313	8.21E-14	0.455585	2.61E-25
0.01502	-0.37619	3.80E-17	-0.37751	2.89E-17	-0.49236	6.93E-30	-0.29107	1.43E-10
1.95E-46	0.727697	3.68E-78	0.592664	1.26E-45	0.571159	8.70E-42	0.662289	2.80E-60
4.53E-07	0.459129	9.97E-26	0.350048	6.58E-15	0.468975	6.51E-27	0.396621	4.82E-19
0.52108	0.424235	7.96E-22	0.392679	1.15E-18	0.415083	7.11E-21	0.184962	5.79E-05

2.30E-53	0.310238	7.07E-12	0.270174	2.96E-09	0.224535	9.49E-07	0.506802	7.69E-32
1.04E-24	0.621975	2.41E-51	0.485106	6.13E-29	0.55843	1.21E-39	0.561353	3.96E-40
1.87E-20	0.388957	2.57E-18	0.400394	2.08E-19	0.390179	1.97E-18	0.435226	5.25E-23
1.48E-57	0.424472	7.52E-22	0.370323	1.26E-16	0.307237	1.15E-11	0.547747	6.44E-38
0.00029	0.305827	1.44E-11	0.199164	1.45E-05	0.302846	2.32E-11	0.202767	1.01E-05
1.05E-58	0.545027	1.73E-37	0.501962	3.56E-31	0.450355	1.05E-24	0.613594	1.20E-49
3.26E-14	-0.52762	7.94E-35	-0.45451	3.48E-25	-0.48933	1.73E-29	-0.53956	1.23E-36
5.48E-44	0.563412	1.79E-40	0.539255	1.37E-36	0.422381	1.25E-21	0.512725	1.14E-32
1.48E-08	-0.2676	4.23E-09	-0.20961	4.92E-06	-0.23695	2.21E-07	-0.18169	7.86E-05
2.93E-10	0.30911	8.49E-12	0.302396	2.49E-11	0.342632	2.61E-14	0.328603	3.21E-13
3.49E-17	0.64252	9.91E-56	0.558302	1.27E-39	0.541191	6.89E-37	0.528975	4.99E-35
8.62E-34	0.624374	7.70E-52	0.522815	4.05E-34	0.481291	1.89E-28	0.58072	1.85E-43
9.96E-64	0.495701	2.49E-30	0.489359	1.72E-29	0.403744	9.77E-20	0.580817	1.78E-43
3.99E-18	0.488012	2.57E-29	0.487264	3.22E-29	0.490479	1.22E-29	0.371941	9.07E-17
9.51E-41	0.544683	1.96E-37	0.519972	1.05E-33	0.416027	5.69E-21	0.468808	6.82E-27
9.96E-48	0.442486	8.25E-24	0.466405	1.34E-26	0.388174	3.04E-18	0.621341	3.25E-51
6.46E-51	0.317427	2.16E-12	0.355287	2.43E-15	0.245157	8.06E-08	0.42369	9.09E-22
8.29E-15	0.402483	1.30E-19	0.388325	2.94E-18	0.348013	9.64E-15	0.400898	1.86E-19
0.13484	-0.47406	1.54E-27	-0.4055	6.55E-20	-0.51407	7.36E-33	-0.2811	6.27E-10
1.11E-12	-0.46493	2.02E-26	-0.38809	3.09E-18	-0.47523	1.10E-27	-0.48179	1.63E-28
0.00064	-0.41914	2.72E-21	-0.32373	7.44E-13	-0.42482	6.91E-22	-0.25708	1.74E-08
6.17E-40	0.500135	6.31E-31	0.340812	3.64E-14	0.397949	3.59E-19	0.507148	6.89E-32
5.48E-40	0.344364	1.90E-14	0.260335	1.13E-08	0.21237	3.66E-06	0.359447	1.09E-15
1.38E-75	0.410565	2.04E-20	0.344204	1.96E-14	0.33969	4.47E-14	0.579445	3.12E-43
0.01989	0.318103	1.93E-12	0.15234	0.00096	0.319973	1.41E-12	0.165469	0.00033
3.99E-21	-0.25472	2.38E-08	-0.25584	2.05E-08	-0.32147	1.09E-12	-0.48484	6.64E-29
1.05E-10	-0.32783	3.67E-13	-0.3461	1.38E-14	-0.3633	5.11E-16	-0.38297	9.22E-18
1.85E-05	0.540651	8.36E-37	0.450263	1.08E-24	0.395421	6.28E-19	0.316717	2.43E-12
8.80E-20	0.704294	3.37E-71	0.575196	1.74E-42	0.608957	9.90E-49	0.491271	9.63E-30
7.26E-37	0.605138	5.49E-48	0.615451	5.09E-50	0.610091	5.93E-49	0.688999	5.24E-67
1.74E-13	0.276664	1.19E-09	0.25476	2.36E-08	0.259605	1.25E-08	0.321803	1.03E-12
2.54E-37	0.293	1.07E-10	0.371045	1.09E-16	0.290446	1.57E-10	0.409886	2.39E-20
5.09E-30	0.691066	1.47E-67	0.552625	1.07E-38	0.539258	1.37E-36	0.583334	6.33E-44
1.42E-06	-0.34702	1.16E-14	-0.18174	7.82E-05	-0.28407	4.06E-10	-0.27515	1.47E-09
8.62E-09	0.155791	0.00073	0.197295	1.75E-05	0.189443	3.78E-05	0.299522	3.90E-11
1.85E-31	0.576314	1.11E-42	0.34794	9.78E-15	0.431921	1.20E-22	0.515716	4.29E-33
1.88E-21	0.450393	1.04E-24	0.476907	6.77E-28	0.393437	9.71E-19	0.456597	1.98E-25
1.09E-28	0.477866	5.13E-28	0.422618	1.18E-21	0.38907	2.51E-18	0.601168	3.18E-47
1.81E-57	0.646309	1.41E-56	0.515446	4.69E-33	0.542257	4.71E-37	0.605592	4.49E-48
8.23E-14	0.533904	9.05E-36	0.389522	2.27E-18	0.397473	3.99E-19	0.554012	6.35E-39
8.11E-12	0.424394	7.66E-22	0.444125	5.40E-24	0.478035	4.88E-28	0.496295	2.07E-30
7.23E-43	0.40491	7.50E-20	0.28076	6.59E-10	0.324777	6.22E-13	0.353579	3.37E-15
0.0004	0.335052	1.03E-13	0.337864	6.21E-14	0.403973	9.27E-20	0.237131	2.16E-07
1.43E-52	0.672166	1.10E-62	0.608435	1.25E-48	0.561285	4.06E-40	0.644143	4.32E-56
1.66E-22	0.416973	4.55E-21	0.447066	2.51E-24	0.484494	7.35E-29	0.55631	2.69E-39

3.08E-25	0.569492	1.68E-41	0.510796	2.13E-32	0.516226	3.63E-33	0.548452	4.97E-38
3.58E-19	-0.38633	4.52E-18	-0.20009	1.32E-05	-0.26204	9.02E-09	-0.30592	1.42E-11
4.30E-13	0.441363	1.10E-23	0.473332	1.89E-27	0.478266	4.57E-28	0.402105	1.41E-19
3.40E-18	-0.26825	3.87E-09	-0.13658	0.0031	-0.24932	4.77E-08	-0.35195	4.60E-15
0.3381	-0.45358	4.46E-25	-0.36234	6.18E-16	-0.46615	1.44E-26	-0.23465	2.91E-07
0.00835	-0.39971	2.42E-19	-0.46326	3.21E-26	-0.51495	5.51E-33	-0.3712	1.05E-16
2.99E-18	0.333819	1.28E-13	0.310298	7.00E-12	0.307264	1.14E-11	0.333659	1.32E-13
3.15E-21	0.297294	5.52E-11	0.345685	1.49E-14	0.232538	3.74E-07	0.415431	6.55E-21
2.75E-37	0.552098	1.30E-38	0.488353	2.32E-29	0.38813	3.07E-18	0.486997	3.49E-29
1.03E-08	0.307663	1.07E-11	0.321572	1.07E-12	0.282561	5.07E-10	0.305403	1.54E-11
3.46E-29	0.526346	1.23E-34	0.552483	1.12E-38	0.522823	4.04E-34	0.621528	2.97E-51
8.32E-22	0.5329	1.28E-35	0.591333	2.22E-45	0.513469	8.95E-33	0.441899	9.59E-24
1.35E-43	0.676054	1.17E-63	0.637278	1.40E-54	0.604557	7.11E-48	0.696147	6.22E-69
1.42E-24	0.518049	1.99E-33	0.544654	1.98E-37	0.391998	1.33E-18	0.480068	2.70E-28
1.68E-15	0.368159	1.95E-16	0.387174	3.77E-18	0.338689	5.35E-14	0.317183	2.25E-12
1.14E-31	0.585724	2.35E-44	0.51055	2.31E-32	0.5349	6.39E-36	0.503257	2.37E-31
2.11E-60	0.53031	3.15E-35	0.52259	4.37E-34	0.445236	4.04E-24	0.600798	3.74E-47
4.99E-11	0.298431	4.63E-11	0.198216	1.60E-05	0.308695	9.08E-12	0.365246	3.48E-16
3.78E-45	0.700755	3.33E-70	0.553448	7.84E-39	0.488731	2.07E-29	0.572582	4.94E-42
9.87E-28	-0.17723	0.00012	-0.09327	0.04394	-0.05452	0.23963	-0.36311	5.31E-16
2.82E-29	0.642145	1.20E-55	0.473325	1.90E-27	0.448606	1.67E-24	0.470315	4.46E-27
1.33E-47	0.491699	8.46E-30	0.434033	7.09E-23	0.314023	3.80E-12	0.579665	2.85E-43
5.94E-05	-0.4599	8.08E-26	-0.26078	1.07E-08	-0.35171	4.81E-15	-0.23637	2.37E-07
3.73E-22	-0.39647	4.97E-19	-0.28011	7.24E-10	-0.3295	2.74E-13	-0.44989	1.19E-24
5.67E-19	-0.29216	1.21E-10	-0.21762	2.06E-06	-0.27498	1.51E-09	-0.39795	3.59E-19
6.71E-46	0.560893	4.72E-40	0.423305	9.98E-22	0.333847	1.27E-13	0.524067	2.65E-34
4.68E-63	0.627544	1.68E-52	0.672424	9.49E-63	0.57673	9.38E-43	0.720695	5.29E-76
2.62E-10	-0.3006	3.30E-11	-0.17953	9.58E-05	-0.28006	7.29E-10	-0.26866	3.66E-09
0.01458	-0.19665	1.87E-05	-0.3257	5.30E-13	-0.41301	1.16E-20	-0.24019	1.49E-07
5.06E-07	0.322892	8.58E-13	0.340761	3.68E-14	0.390203	1.96E-18	0.404578	8.08E-20
2.46E-48	0.46094	6.08E-26	0.431057	1.49E-22	0.422393	1.24E-21	0.475476	1.02E-27
1.34E-37	0.385513	5.38E-18	0.490772	1.12E-29	0.442707	7.79E-24	0.581466	1.37E-43
0.00532	0.398479	3.19E-19	0.357372	1.63E-15	0.506864	7.54E-32	0.264441	6.52E-09
1.93E-27	0.511663	1.61E-32	0.52385	2.86E-34	0.49476	3.33E-30	0.50695	7.34E-32
1.97E-25	0.436072	4.24E-23	0.375805	4.11E-17	0.300881	3.16E-11	0.322706	8.86E-13
2.37E-22	-0.35315	3.66E-15	-0.23917	1.69E-07	-0.26036	1.13E-08	-0.33996	4.25E-14
6.92E-30	0.389688	2.19E-18	0.511588	1.65E-32	0.428371	2.90E-22	0.397639	3.84E-19
2.65E-12	-0.20654	6.80E-06	-0.1872	4.69E-05	-0.22979	5.17E-07	-0.31446	3.54E-12
1.08E-09	-0.28597	3.07E-10	-0.24462	8.62E-08	-0.31486	3.31E-12	-0.36301	5.42E-16
7.36E-06	-0.34451	1.85E-14	-0.17593	0.00013	-0.29295	1.08E-10	-0.36123	7.69E-16
3.30E-19	0.494131	4.03E-30	0.444651	4.71E-24	0.392925	1.09E-18	0.4058	6.12E-20
1.55E-24	0.392501	1.19E-18	0.307773	1.05E-11	0.347772	1.01E-14	0.389396	2.34E-18
1.69E-51	0.666624	2.53E-61	0.532256	1.61E-35	0.54666	9.57E-38	0.662866	2.04E-60
4.95E-34	0.363795	4.64E-16	0.37582	4.10E-17	0.221046	1.41E-06	0.376254	3.75E-17
2.45E-56	0.630308	4.39E-53	0.567528	3.63E-41	0.565982	6.63E-41	0.632354	1.61E-53

1.33E-74	0.641786	1.44E-55	0.501458	4.17E-31	0.513401	9.15E-33	0.612634	1.86E-49
5.16E-08	-0.36073	8.48E-16	-0.29236	1.18E-10	-0.33146	1.94E-13	-0.36968	1.43E-16
8.49E-26	0.458654	1.13E-25	0.410503	2.07E-20	0.445687	3.59E-24	0.410376	2.14E-20
2.12E-11	0.265433	5.69E-09	0.244009	9.30E-08	0.246983	6.41E-08	0.35347	3.44E-15
3.14E-22	0.547715	6.51E-38	0.505961	1.01E-31	0.544018	2.50E-37	0.580581	1.96E-43
6.55E-50	0.490058	1.39E-29	0.468899	6.65E-27	0.358769	1.24E-15	0.567584	3.55E-41
1.67E-36	0.571385	7.95E-42	0.52728	8.92E-35	0.526777	1.06E-34	0.577794	6.10E-43
5.47E-25	0.626686	2.54E-52	0.584552	3.83E-44	0.600408	4.44E-47	0.516055	3.84E-33
9.66E-05	-0.19595	2.00E-05	-0.20506	7.93E-06	-0.29056	1.55E-10	-0.30547	1.52E-11
1.05E-10	-0.11526	0.01269	-0.17997	9.20E-05	-0.18122	8.21E-05	-0.28513	3.47E-10
4.44E-07	0.177802	0.00011	0.211036	4.22E-06	0.243214	1.03E-07	0.317534	2.12E-12
8.69E-40	0.712523	1.45E-73	0.625098	5.44E-52	0.579574	2.96E-43	0.652653	5.09E-58
1.68E-25	0.459123	9.99E-26	0.277379	1.07E-09	0.321044	1.18E-12	0.234863	2.84E-07
1.51E-10	-0.36744	2.25E-16	-0.35785	1.48E-15	-0.44622	3.12E-24	-0.25908	1.34E-08
0.00011	-0.27055	2.81E-09	-0.23601	2.48E-07	-0.32019	1.36E-12	-0.24058	1.42E-07
1.34E-79	0.566003	6.58E-41	0.511724	1.58E-32	0.504276	1.72E-31	0.601963	2.24E-47
5.50E-12	0.294491	8.50E-11	0.357642	1.55E-15	0.324232	6.83E-13	0.255319	2.20E-08
5.18E-08	0.415486	6.46E-21	0.511188	1.88E-32	0.514357	6.70E-33	0.611886	2.62E-49
4.91E-42	0.564544	1.16E-40	0.44457	4.81E-24	0.368305	1.89E-16	0.366999	2.46E-16
1.36E-72	0.448971	1.52E-24	0.423587	9.32E-22	0.385366	5.55E-18	0.595144	4.37E-46
0.00211	-0.36019	9.42E-16	-0.31764	2.08E-12	-0.39596	5.57E-19	-0.27719	1.10E-09
4.94E-16	-0.22102	1.41E-06	-0.25968	1.24E-08	-0.30425	1.85E-11	-0.33419	1.20E-13
1.27E-30	0.54896	4.13E-38	0.539236	1.38E-36	0.514798	5.80E-33	0.564726	1.08E-40
1.74E-14	-0.27067	2.77E-09	-0.10252	0.02673	-0.12667	0.00612	-0.40876	3.10E-20
1.33E-21	0.604844	6.26E-48	0.402749	1.22E-19	0.331157	2.05E-13	0.561449	3.82E-40
1.42E-52	0.536275	3.94E-36	0.47014	4.69E-27	0.46936	5.84E-27	0.565495	8.02E-41
1.66E-33	-0.36718	2.37E-16	-0.15372	0.00086	-0.14816	0.00132	-0.37016	1.30E-16
6.30E-62	0.433886	7.35E-23	0.472375	2.49E-27	0.364175	4.31E-16	0.587021	1.37E-44
3.53E-45	0.691415	1.19E-67	0.602257	1.97E-47	0.555163	4.13E-39	0.533822	9.32E-36
4.70E-31	0.420307	2.05E-21	0.289416	1.84E-10	0.300607	3.29E-11	0.476778	7.03E-28
3.30E-23	0.49158	8.77E-30	0.514619	6.15E-33	0.516387	3.44E-33	0.433305	8.51E-23
2.57E-31	0.415553	6.36E-21	0.39034	1.91E-18	0.342261	2.80E-14	0.366388	2.77E-16
2.90E-30	0.321072	1.17E-12	0.378962	2.14E-17	0.282776	4.91E-10	0.471074	3.60E-27
5.62E-18	-0.25837	1.47E-08	-0.21279	3.49E-06	-0.27746	1.06E-09	-0.3474	1.08E-14
5.72E-21	-0.41048	2.08E-20	-0.20671	6.68E-06	-0.19534	2.13E-05	-0.42143	1.57E-21
2.07E-27	-0.44063	1.33E-23	-0.22168	1.31E-06	-0.05603	0.22683	-0.47547	1.03E-27
3.59E-13	0.550894	2.02E-38	0.34686	1.20E-14	0.354258	2.96E-15	0.426702	4.36E-22
1.63E-18	0.550746	2.14E-38	0.475153	1.12E-27	0.511361	1.78E-32	0.403531	1.03E-19
2.33E-12	0.365443	3.35E-16	0.312721	4.71E-12	0.345671	1.49E-14	0.212689	3.53E-06
4.21E-38	0.62558	4.32E-52	0.484504	7.32E-29	0.441079	1.18E-23	0.552657	1.05E-38
9.24E-32	-0.50282	2.71E-31	-0.45269	5.67E-25	-0.41204	1.45E-20	-0.51919	1.36E-33
6.69E-42	0.644876	2.96E-56	0.592359	1.44E-45	0.538379	1.88E-36	0.583934	4.94E-44
3.82E-35	0.585735	2.34E-44	0.439399	1.82E-23	0.491415	9.22E-30	0.730183	6.08E-79
2.55E-33	-0.26565	5.53E-09	-0.23723	2.14E-07	-0.20243	1.04E-05	-0.48689	3.60E-29
3.01E-18	0.425593	5.72E-22	0.444942	4.36E-24	0.346104	1.38E-14	0.302203	2.56E-11

0.01732	-0.25392	2.64E-08	-0.12705	0.00597	-0.27363	1.83E-09	-0.15547	0.00075
2.69E-12	0.44322	6.82E-24	0.287593	2.41E-10	0.341583	3.16E-14	0.429218	2.35E-22
2.09E-39	0.387028	3.89E-18	0.251436	3.63E-08	0.167051	0.00029	0.494261	3.87E-30
8.19E-28	0.311423	5.83E-12	0.265359	5.75E-09	0.174391	0.00015	0.372713	7.75E-17
1.04E-16	0.283958	4.13E-10	0.328208	3.43E-13	0.224434	9.60E-07	0.236101	2.45E-07
9.45E-17	0.513108	1.01E-32	0.358627	1.28E-15	0.447451	2.27E-24	0.506929	7.39E-32
6.98E-25	0.649059	3.38E-57	0.575384	1.61E-42	0.532311	1.58E-35	0.572399	5.32E-42
0.97461	0.361464	7.34E-16	0.247433	6.05E-08	0.40412	8.97E-20	0.061939	0.18148
2.73E-30	-0.44148	1.07E-23	-0.1556	0.00074	-0.20347	9.35E-06	-0.41423	8.70E-21
1.37E-50	0.586686	1.57E-44	0.527933	7.13E-35	0.532967	1.26E-35	0.613583	1.20E-49
1.99E-46	0.230332	4.85E-07	0.26006	1.18E-08	0.158148	0.0006	0.449668	1.26E-24
1.05E-26	-0.34086	3.61E-14	-0.07512	0.10494	-0.13623	0.00318	-0.32959	2.70E-13
2.25E-30	0.457477	1.56E-25	0.523534	3.18E-34	0.511093	1.94E-32	0.513006	1.04E-32
3.67E-28	0.485275	5.83E-29	0.440387	1.41E-23	0.396783	4.65E-19	0.588359	7.81E-45
2.00E-35	0.519087	1.41E-33	0.556622	2.39E-39	0.531179	2.33E-35	0.533779	9.46E-36
1.23E-18	-0.46009	7.67E-26	-0.29473	8.19E-11	-0.30152	2.85E-11	-0.37016	1.30E-16
1.33E-15	0.361896	6.75E-16	0.403097	1.13E-19	0.333502	1.36E-13	0.426181	4.96E-22
1.97E-43	0.348124	9.45E-15	0.262571	8.39E-09	0.194494	2.31E-05	0.398279	3.33E-19
3.79E-24	0.27281	2.05E-09	0.171128	0.0002	0.145803	0.00158	0.286433	2.87E-10
7.66E-19	0.305683	1.47E-11	0.294094	9.03E-11	0.231904	4.03E-07	0.493626	4.71E-30
1.29E-35	0.543115	3.46E-37	0.436597	3.71E-23	0.382032	1.12E-17	0.39527	6.49E-19
1.29E-20	-0.47235	2.50E-27	-0.36038	9.08E-16	-0.4245	7.47E-22	-0.54244	4.40E-37
1.14E-56	0.54797	5.93E-38	0.53562	4.97E-36	0.539059	1.47E-36	0.586537	1.68E-44
1.19E-52	0.683496	1.46E-65	0.533027	1.23E-35	0.443055	7.12E-24	0.532893	1.29E-35
6.19E-42	0.363678	4.75E-16	0.282868	4.85E-10	0.18997	3.60E-05	0.403523	1.03E-19
7.88E-27	0.611283	3.45E-49	0.620616	4.57E-51	0.567195	4.13E-41	0.441664	1.02E-23
9.63E-36	0.388961	2.57E-18	0.46015	7.54E-26	0.364901	3.73E-16	0.567108	4.28E-41
3.88E-39	0.464454	2.30E-26	0.556182	2.82E-39	0.434263	6.69E-23	0.552594	1.08E-38
6.02E-06	0.398509	3.17E-19	0.374502	5.37E-17	0.388583	2.79E-18	0.441267	1.13E-23
1.52E-44	0.366406	2.76E-16	0.490222	1.32E-29	0.375726	4.18E-17	0.412496	1.30E-20
2.22E-15	0.588912	6.19E-45	0.41851	3.16E-21	0.441609	1.03E-23	0.41668	4.87E-21
3.54E-06	0.394934	6.99E-19	0.325961	5.07E-13	0.368438	1.84E-16	0.264988	6.05E-09
5.32E-24	0.471061	3.61E-27	0.443397	6.52E-24	0.437348	3.07E-23	0.466299	1.38E-26
8.82E-26	0.555019	4.36E-39	0.369232	1.57E-16	0.469485	5.64E-27	0.468202	8.09E-27
1.28E-38	0.342207	2.82E-14	0.384991	6.01E-18	0.272925	2.02E-09	0.411237	1.75E-20
1.03E-37	0.613677	1.15E-49	0.59479	5.08E-46	0.513877	7.84E-33	0.542887	3.75E-37
2.22E-38	0.630073	4.92E-53	0.486889	3.60E-29	0.426054	5.11E-22	0.484674	6.96E-29
1.42E-14	0.63299	1.18E-53	0.548664	4.60E-38	0.585784	2.29E-44	0.425349	6.07E-22
6.28E-09	0.243143	1.04E-07	0.31648	2.53E-12	0.289049	1.94E-10	0.439706	1.68E-23
1.52E-45	0.534065	8.56E-36	0.577654	6.46E-43	0.506262	9.14E-32	0.528125	6.68E-35
7.56E-20	0.449955	1.17E-24	0.453317	4.79E-25	0.459091	1.01E-25	0.379453	1.93E-17
9.64E-21	0.604431	7.52E-48	0.448956	1.53E-24	0.464509	2.27E-26	0.522374	4.70E-34
0.24008	0.404272	8.66E-20	0.406528	5.18E-20	0.505716	1.09E-31	0.280202	7.14E-10
3.58E-42	0.626676	2.55E-52	0.539733	1.16E-36	0.477024	6.55E-28	0.496465	1.97E-30
5.19E-12	0.368347	1.87E-16	0.310968	6.28E-12	0.307635	1.08E-11	0.287499	2.45E-10

3.11E-31	-0.45592	2.38E-25	-0.33926	4.83E-14	-0.32901	2.99E-13	-0.45789	1.40E-25
2.12E-41	0.667291	1.74E-61	0.572527	5.05E-42	0.56396	1.45E-40	0.669797	4.23E-62
7.61E-34	0.615318	5.41E-50	0.52095	7.57E-34	0.503237	2.38E-31	0.654541	1.86E-58
8.81E-79	0.565547	7.85E-41	0.421593	1.51E-21	0.279342	8.09E-10	0.499742	7.13E-31
1.85E-07	0.398636	3.08E-19	0.400237	2.15E-19	0.480137	2.65E-28	0.402488	1.30E-19
3.22E-35	0.492751	6.14E-30	0.412975	1.17E-20	0.362537	5.95E-16	0.320712	1.24E-12
1.63E-22	-0.35441	2.88E-15	-0.34643	1.30E-14	-0.31193	5.37E-12	-0.45831	1.25E-25
4.73E-33	-0.44991	1.19E-24	-0.38281	9.54E-18	-0.3422	2.83E-14	-0.50358	2.14E-31
4.39E-25	0.490267	1.31E-29	0.414596	7.97E-21	0.522944	3.88E-34	0.428258	2.98E-22
6.31E-29	0.547394	7.32E-38	0.496409	2.00E-30	0.55079	2.10E-38	0.484519	7.29E-29
2.45E-40	0.595853	3.22E-46	0.462255	4.23E-26	0.427375	3.70E-22	0.481488	1.78E-28
1.80E-47	0.568804	2.20E-41	0.555641	3.45E-39	0.560227	6.09E-40	0.584353	4.15E-44
2.00E-24	0.181883	7.72E-05	0.132762	0.00405	0.047528	0.3054	0.314404	3.57E-12
3.79E-40	-0.36301	5.41E-16	-0.14158	0.00216	0.005722	0.90185	-0.46001	7.84E-26
2.33E-25	-0.58079	1.80E-43	-0.44807	1.93E-24	-0.49201	7.70E-30	-0.53834	1.90E-36
1.56E-43	0.411164	1.78E-20	0.414553	8.05E-21	0.367666	2.15E-16	0.587234	1.25E-44
3.84E-28	0.465119	1.92E-26	0.552277	1.21E-38	0.526696	1.09E-34	0.464511	2.27E-26
3.85E-53	0.558246	1.29E-39	0.535409	5.35E-36	0.486166	4.47E-29	0.569188	1.89E-41
1.79E-80	0.40372	9.82E-20	0.408882	3.02E-20	0.260107	1.17E-08	0.51278	1.12E-32
2.15E-56	0.580899	1.72E-43	0.584214	4.40E-44	0.536873	3.20E-36	0.551103	1.87E-38
3.76E-34	0.590847	2.73E-45	0.556576	2.43E-39	0.564799	1.05E-40	0.60091	3.56E-47
2.93E-65	0.558951	9.89E-40	0.55874	1.07E-39	0.50705	7.11E-32	0.617513	1.96E-50
4.50E-09	0.333569	1.34E-13	0.305633	1.49E-11	0.192686	2.76E-05	0.281905	5.58E-10
3.96E-18	-0.05666	0.22162	-0.06854	0.13914	-0.07615	0.10026	-0.29028	1.61E-10
1.85E-09	0.428964	2.50E-22	0.329966	2.53E-13	0.373113	7.14E-17	0.302399	2.48E-11
2.44E-28	0.283191	4.62E-10	0.145057	0.00167	0.191199	3.19E-05	0.295077	7.77E-11
4.56E-23	0.481369	1.85E-28	0.437629	2.86E-23	0.33907	5.00E-14	0.529965	3.55E-35
6.82E-06	-0.56124	4.14E-40	-0.3342	1.20E-13	-0.50649	8.51E-32	-0.36028	9.26E-16
5.55E-96	0.55856	1.15E-39	0.425654	5.64E-22	0.364272	4.22E-16	0.580957	1.68E-43
1.29E-17	0.376432	3.61E-17	0.406678	5.01E-20	0.376687	3.43E-17	0.351377	5.12E-15
8.99E-34	0.441618	1.03E-23	0.526555	1.14E-34	0.540927	7.58E-37	0.497672	1.36E-30
5.80E-73	0.533798	9.39E-36	0.424409	7.63E-22	0.38699	3.92E-18	0.597173	1.82E-46
1.12E-22	0.47269	2.27E-27	0.464481	2.29E-26	0.537333	2.72E-36	0.554305	5.70E-39
6.97E-20	0.441527	1.06E-23	0.417751	3.78E-21	0.464573	2.23E-26	0.366915	2.50E-16
1.38E-28	0.438828	2.11E-23	0.351177	5.32E-15	0.380366	1.59E-17	0.475263	1.09E-27
3.34E-37	0.451511	7.75E-25	0.37075	1.15E-16	0.355186	2.48E-15	0.503223	2.39E-31
5.56E-22	-0.60862	1.15E-48	-0.3709	1.12E-16	-0.42534	6.09E-22	-0.48116	1.96E-28
2.09E-19	-0.0792	0.08735	0.111705	0.01573	0.038253	0.40952	-0.23817	1.91E-07
2.55E-25	0.431256	1.42E-22	0.332226	1.70E-13	0.25696	1.77E-08	0.414616	7.93E-21
5.74E-29	-0.43612	4.19E-23	-0.30331	2.15E-11	-0.33369	1.31E-13	-0.50979	2.95E-32
7.70E-76	0.613185	1.45E-49	0.562631	2.42E-40	0.454819	3.20E-25	0.693356	3.57E-68
3.41E-23	-0.25791	1.56E-08	-0.27486	1.53E-09	-0.24707	6.34E-08	-0.32268	8.90E-13
2.89E-05	-0.35737	1.63E-15	-0.34123	3.37E-14	-0.33036	2.36E-13	-0.21525	2.68E-06
9.42E-18	0.569633	1.59E-41	0.400963	1.83E-19	0.422544	1.20E-21	0.431497	1.34E-22
5.68E-47	0.443282	6.71E-24	0.406226	5.55E-20	0.312216	5.12E-12	0.510678	2.22E-32

2.19E-31	0.343925	2.06E-14	0.239067	1.71E-07	0.221054	1.41E-06	0.499622	7.40E-31
3.97E-58	0.561739	3.41E-40	0.550505	2.34E-38	0.523219	3.53E-34	0.62049	4.85E-51
1.72E-39	0.386144	4.70E-18	0.31778	2.04E-12	0.288164	2.21E-10	0.514222	7.00E-33
4.49E-34	0.577657	6.45E-43	0.436254	4.05E-23	0.486782	3.72E-29	0.62138	3.19E-51
1.33E-39	0.516977	2.83E-33	0.532444	1.51E-35	0.462128	4.38E-26	0.599824	5.73E-47
6.06E-08	-0.3859	4.95E-18	-0.25978	1.22E-08	-0.42474	7.04E-22	-0.34375	2.13E-14
5.69E-40	0.511263	1.83E-32	0.362101	6.48E-16	0.313876	3.90E-12	0.495034	3.06E-30
5.87E-45	0.590192	3.61E-45	0.646285	1.43E-56	0.586206	1.92E-44	0.675816	1.34E-63
9.43E-55	0.602842	1.52E-47	0.506627	8.13E-32	0.372813	7.59E-17	0.528665	5.55E-35
4.26E-10	0.125385	0.00667	0.156453	0.00069	0.178264	0.00011	0.33375	1.30E-13
1.73E-40	0.398056	3.50E-19	0.371092	1.08E-16	0.242189	1.17E-07	0.561053	4.44E-40
0.00117	-0.27866	8.92E-10	-0.23411	3.11E-07	-0.29836	4.68E-11	-0.28513	3.48E-10
1.24E-23	0.430052	1.91E-22	0.435177	5.32E-23	0.436854	3.48E-23	0.447299	2.36E-24
5.81E-20	0.478635	4.10E-28	0.376163	3.82E-17	0.367647	2.16E-16	0.551539	1.59E-38
2.73E-20	0.289206	1.89E-10	0.128635	0.00537	0.13804	0.0028	0.374855	5.00E-17
9.70E-31	0.313262	4.31E-12	0.285706	3.19E-10	0.186907	4.82E-05	0.353345	3.53E-15
1.29E-48	0.410209	2.22E-20	0.448498	1.72E-24	0.366918	2.50E-16	0.54043	9.05E-37
9.32E-13	0.171055	0.0002	0.102303	0.02706	0.1642	0.00037	0.273227	1.93E-09
9.17E-54	0.668471	8.96E-62	0.460655	6.57E-26	0.374338	5.56E-17	0.515002	5.42E-33
1.98E-68	0.615361	5.31E-50	0.528706	5.47E-35	0.510384	2.44E-32	0.684113	1.01E-65
2.10E-19	0.312662	4.76E-12	0.258922	1.37E-08	0.190041	3.57E-05	0.253066	2.95E-08
0.29124	0.328925	3.03E-13	0.413597	1.01E-20	0.488367	2.31E-29	0.291146	1.41E-10
4.75E-35	0.503769	2.01E-31	0.461988	4.56E-26	0.508212	4.90E-32	0.604485	7.34E-48
3.52E-31	0.563612	1.66E-40	0.378083	2.57E-17	0.33184	1.82E-13	0.547688	6.58E-38
2.25E-16	0.550464	2.37E-38	0.418665	3.04E-21	0.388846	2.63E-18	0.451362	8.07E-25
4.00E-07	0.394752	7.28E-19	0.219493	1.68E-06	0.387588	3.45E-18	0.37205	8.87E-17
5.20E-26	0.457006	1.78E-25	0.414603	7.96E-21	0.51082	2.12E-32	0.566972	4.51E-41
1.28E-11	0.298482	4.59E-11	0.248328	5.41E-08	0.286703	2.75E-10	0.348322	9.10E-15
1.21E-45	0.421314	1.61E-21	0.351803	4.73E-15	0.330977	2.12E-13	0.513873	7.85E-33
3.46E-25	-0.3233	8.00E-13	-0.26338	7.52E-09	-0.2488	5.09E-08	-0.36791	2.05E-16
2.52E-50	0.378568	2.32E-17	0.353148	3.66E-15	0.346833	1.20E-14	0.517571	2.33E-33
1.41E-34	0.573319	3.69E-42	0.576432	1.06E-42	0.491375	9.34E-30	0.582265	9.84E-44
1.27E-36	0.236457	2.35E-07	0.220317	1.53E-06	0.163261	0.0004	0.335682	9.19E-14
2.26E-38	0.32684	4.35E-13	0.381304	1.31E-17	0.194297	2.36E-05	0.372733	7.72E-17
3.32E-11	0.522871	3.97E-34	0.328372	3.34E-13	0.379756	1.81E-17	0.227963	6.40E-07
1.34E-09	0.376667	3.44E-17	0.362095	6.49E-16	0.325987	5.05E-13	0.289847	1.72E-10
1.53E-50	0.561132	4.31E-40	0.526589	1.13E-34	0.493755	4.52E-30	0.639689	4.17E-55
7.63E-18	0.386922	3.98E-18	0.428259	2.98E-22	0.338953	5.10E-14	0.391685	1.42E-18
1.31E-55	0.468565	7.31E-27	0.445176	4.11E-24	0.42907	2.44E-22	0.558988	9.75E-40
1.84E-45	0.475581	9.93E-28	0.461887	4.68E-26	0.391912	1.35E-18	0.574959	1.91E-42
7.86E-06	0.214716	2.84E-06	0.344299	1.92E-14	0.322103	9.82E-13	0.327196	4.09E-13
2.44E-31	0.2392	1.68E-07	0.293212	1.03E-10	0.173483	0.00016	0.359399	1.10E-15
1.19E-15	0.327848	3.66E-13	0.265375	5.74E-09	0.220272	1.54E-06	0.357584	1.56E-15
1.06E-12	0.579977	2.51E-43	0.550669	2.20E-38	0.538053	2.11E-36	0.422634	1.17E-21
3.86E-08	0.231863	4.05E-07	0.173062	0.00017	0.282905	4.82E-10	0.330232	2.41E-13



5.61E-10	-0.44007	1.53E-23	-0.44321	6.85E-24	-0.46091	6.13E-26	-0.46534	1.80E-26
6.53E-08	0.297444	5.39E-11	0.318142	1.92E-12	0.362672	5.79E-16	0.252176	3.30E-08
2.55E-26	0.455335	2.79E-25	0.394666	7.41E-19	0.33322	1.42E-13	0.487645	2.87E-29
1.36E-06	-0.50345	2.23E-31	-0.26329	7.62E-09	-0.31437	3.59E-12	-0.16562	0.00033
3.00E-12	-0.38422	7.07E-18	-0.3897	2.19E-18	-0.44798	1.97E-24	-0.37307	7.20E-17
3.57E-20	-0.42518	6.32E-22	-0.4191	2.74E-21	-0.37641	3.63E-17	-0.50115	4.60E-31
1.20E-22	0.552776	1.01E-38	0.49237	6.90E-30	0.447876	2.03E-24	0.51653	3.28E-33
6.77E-05	-0.23816	1.91E-07	-0.19778	1.67E-05	-0.29927	4.06E-11	-0.18089	8.45E-05
1.79E-16	-0.44353	6.30E-24	-0.22347	1.07E-06	-0.32809	3.51E-13	-0.43441	6.45E-23
3.02E-20	-0.57733	7.35E-43	-0.44874	1.61E-24	-0.54776	6.40E-38	-0.31638	2.57E-12
1.31E-36	0.352422	4.20E-15	0.388559	2.80E-18	0.344642	1.80E-14	0.32813	3.48E-13
0.0004	0.334294	1.18E-13	0.402531	1.29E-19	0.372681	7.80E-17	0.330346	2.36E-13
6.15E-06	0.272589	2.12E-09	0.34735	1.09E-14	0.33287	1.52E-13	0.21838	1.90E-06
4.89E-08	0.381315	1.31E-17	0.459898	8.08E-26	0.421246	1.64E-21	0.400502	2.03E-19
9.68E-22	0.662547	2.43E-60	0.572938	4.29E-42	0.577318	7.40E-43	0.613269	1.39E-49
1.86E-33	0.500836	5.06E-31	0.541398	6.40E-37	0.530311	3.15E-35	0.498827	9.48E-31
2.88E-25	0.261338	9.91E-09	0.268645	3.66E-09	0.184775	5.90E-05	0.383581	8.10E-18
0.25961	0.352978	3.78E-15	0.358548	1.30E-15	0.489299	1.75E-29	0.328286	3.39E-13
4.69E-57	0.431122	1.47E-22	0.398382	3.26E-19	0.294845	8.05E-11	0.545875	1.27E-37
2.71E-66	0.541193	6.89E-37	0.514819	5.76E-33	0.409941	2.36E-20	0.674291	3.25E-63
5.63E-08	0.466767	1.21E-26	0.475254	1.09E-27	0.47354	1.78E-27	0.386479	4.37E-18
6.10E-30	0.382974	9.21E-18	0.401944	1.47E-19	0.415446	6.53E-21	0.52061	8.48E-34
6.88E-19	0.675575	1.55E-63	0.469575	5.50E-27	0.56919	1.89E-41	0.475958	8.90E-28
2.63E-37	0.591602	1.99E-45	0.61222	2.25E-49	0.611271	3.47E-49	0.643219	6.93E-56
5.11E-42	0.289082	1.93E-10	0.321111	1.16E-12	0.222793	1.16E-06	0.473523	1.79E-27
9.67E-52	0.714198	4.65E-74	0.421069	1.71E-21	0.469709	5.29E-27	0.626423	2.88E-52
6.52E-29	0.498563	1.03E-30	0.479243	3.44E-28	0.413401	1.05E-20	0.496033	2.25E-30
0.88457	0.478907	3.79E-28	0.429231	2.34E-22	0.56916	1.91E-41	0.243122	1.04E-07
1.42E-16	0.34103	3.50E-14	0.300821	3.19E-11	0.237462	2.08E-07	0.353923	3.16E-15
2.40E-41	0.48023	2.58E-28	0.43761	2.87E-23	0.467965	8.65E-27	0.465033	1.96E-26
3.09E-15	-0.40491	7.50E-20	-0.38082	1.45E-17	-0.29781	5.10E-11	-0.39045	1.86E-18
1.44E-14	0.486032	4.65E-29	0.409516	2.61E-20	0.417165	4.34E-21	0.458102	1.32E-25
1.75E-31	0.682015	3.53E-65	0.603621	1.08E-47	0.558107	1.36E-39	0.563889	1.49E-40
9.52E-42	0.524428	2.35E-34	0.404284	8.64E-20	0.410626	2.01E-20	0.517569	2.33E-33
1.17E-08	0.181019	8.36E-05	0.221826	1.29E-06	0.241722	1.23E-07	0.293992	9.18E-11
9.94E-11	-0.26991	3.07E-09	-0.12659	0.00616	-0.19079	3.32E-05	-0.3356	9.33E-14
1.14E-06	-0.4295	2.19E-22	-0.41468	7.82E-21	-0.48088	2.13E-28	-0.48742	3.07E-29
2.00E-12	-0.34222	2.81E-14	-0.24962	4.59E-08	-0.30863	9.18E-12	-0.28154	5.88E-10
1.62E-73	0.579705	2.81E-43	0.431034	1.50E-22	0.401447	1.64E-19	0.56643	5.57E-41
1.15E-67	0.652727	4.89E-58	0.570558	1.10E-41	0.456967	1.79E-25	0.572648	4.82E-42
8.13E-60	0.434239	6.73E-23	0.498406	1.08E-30	0.378463	2.37E-17	0.648841	3.79E-57
3.41E-20	0.515902	4.04E-33	0.396082	5.43E-19	0.439407	1.82E-23	0.492233	7.19E-30
4.35E-28	0.260953	1.04E-08	0.292884	1.09E-10	0.26617	5.15E-09	0.368777	1.72E-16
4.78E-43	0.383008	9.15E-18	0.282085	5.43E-10	0.275219	1.46E-09	0.391849	1.37E-18
7.83E-43	0.478558	4.20E-28	0.340167	4.10E-14	0.301017	3.09E-11	0.537232	2.81E-36

0.00015	0.446913	2.61E-24	0.362723	5.74E-16	0.373968	6.00E-17	0.350341	6.23E-15
2.06E-51	0.703458	5.81E-71	0.582773	7.98E-44	0.544271	2.28E-37	0.591379	2.18E-45
1.11E-29	0.275615	1.38E-09	0.243358	1.01E-07	0.221212	1.38E-06	0.359537	1.07E-15
4.97E-15	0.32216	9.72E-13	0.314109	3.75E-12	0.361684	7.04E-16	0.409255	2.77E-20
2.12E-56	0.466065	1.47E-26	0.421786	1.44E-21	0.390649	1.78E-18	0.58736	1.19E-44
0.00438	-0.29519	7.64E-11	-0.27231	2.20E-09	-0.36827	1.90E-16	-0.12275	0.00791
2.63E-32	0.35906	1.17E-15	0.278933	8.58E-10	0.227008	7.14E-07	0.514578	6.23E-33
2.83E-36	0.586934	1.42E-44	0.499929	6.72E-31	0.441898	9.60E-24	0.556973	2.09E-39
6.39E-52	0.696053	6.60E-69	0.550232	2.58E-38	0.6025	1.77E-47	0.648709	4.06E-57
1.14E-17	0.242614	1.11E-07	0.21199	3.81E-06	0.195091	2.18E-05	0.286621	2.79E-10
5.96E-19	0.370653	1.18E-16	0.368513	1.81E-16	0.369758	1.41E-16	0.422858	1.11E-21
4.77E-39	0.697138	3.33E-69	0.510814	2.12E-32	0.535635	4.94E-36	0.628026	1.33E-52
1.02E-22	0.540846	7.80E-37	0.463475	3.02E-26	0.413054	1.14E-20	0.446524	2.89E-24
1.16E-15	0.472	2.77E-27	0.534147	8.32E-36	0.476041	8.69E-28	0.443167	6.92E-24
4.67E-42	0.449547	1.30E-24	0.339421	4.69E-14	0.174193	0.00015	0.401627	1.58E-19
8.90E-46	0.544734	1.93E-37	0.437688	2.82E-23	0.498729	9.77E-31	0.617941	1.60E-50
1.16E-14	-0.40015	2.20E-19	-0.41367	9.90E-21	-0.44311	7.02E-24	-0.46549	1.73E-26
2.36E-32	0.356311	2.00E-15	0.314676	3.41E-12	0.384546	6.60E-18	0.563675	1.62E-40
3.12E-15	0.388889	2.61E-18	0.278381	9.29E-10	0.333658	1.32E-13	0.39721	4.23E-19
1.77E-21	0.306729	1.25E-11	0.319289	1.58E-12	0.351345	5.16E-15	0.42666	4.41E-22
1.40E-07	0.43184	1.23E-22	0.469046	6.38E-27	0.543986	2.52E-37	0.425185	6.32E-22
7.10E-44	0.467248	1.06E-26	0.307557	1.09E-11	0.286814	2.71E-10	0.532621	1.42E-35
3.43E-40	0.488365	2.31E-29	0.440517	1.37E-23	0.412503	1.30E-20	0.475018	1.17E-27
6.98E-46	0.594856	4.94E-46	0.521093	7.21E-34	0.528901	5.12E-35	0.62759	1.64E-52
1.59E-11	0.470574	4.15E-27	0.41225	1.38E-20	0.275909	1.32E-09	0.397653	3.83E-19
8.19E-11	-0.46754	9.74E-27	-0.35328	3.57E-15	-0.45285	5.42E-25	-0.43366	7.78E-23
7.88E-23	0.552257	1.22E-38	0.479346	3.34E-28	0.519803	1.11E-33	0.482593	1.29E-28
3.17E-16	-0.44933	1.38E-24	-0.31668	2.45E-12	-0.34208	2.89E-14	-0.401	1.81E-19
3.74E-63	0.626681	2.55E-52	0.573767	3.08E-42	0.503301	2.34E-31	0.625171	5.26E-52
6.93E-28	0.648454	4.64E-57	0.491441	9.15E-30	0.598321	1.10E-46	0.576016	1.25E-42
0.99856	0.530462	2.99E-35	0.453763	4.25E-25	0.55086	2.05E-38	0.246945	6.44E-08
2.76E-35	0.44474	4.60E-24	0.406087	5.73E-20	0.343057	2.42E-14	0.387771	3.32E-18
6.99E-18	0.572494	5.12E-42	0.450529	1.01E-24	0.459839	8.21E-26	0.529081	4.81E-35
5.54E-29	0.415028	7.20E-21	0.428919	2.53E-22	0.347337	1.09E-14	0.404458	8.31E-20
8.43E-09	0.337608	6.51E-14	0.357737	1.52E-15	0.246395	6.90E-08	0.180328	8.90E-05
1.50E-39	0.445711	3.57E-24	0.514395	6.61E-33	0.369171	1.59E-16	0.470163	4.66E-27
5.24E-05	0.449311	1.39E-24	0.411196	1.76E-20	0.469769	5.20E-27	0.301214	2.99E-11
0.8016	0.313282	4.30E-12	0.249113	4.89E-08	0.488051	2.54E-29	0.252752	3.07E-08
3.63E-13	0.495781	2.43E-30	0.319788	1.45E-12	0.34947	7.34E-15	0.339539	4.59E-14
9.60E-39	0.33921	4.87E-14	0.353896	3.18E-15	0.288817	2.01E-10	0.369356	1.53E-16
2.70E-20	0.512709	1.15E-32	0.489248	1.78E-29	0.473444	1.83E-27	0.514751	5.89E-33
5.48E-44	0.576089	1.21E-42	0.493174	5.40E-30	0.370209	1.29E-16	0.502181	3.32E-31
5.70E-69	0.380993	1.40E-17	0.35099	5.51E-15	0.152501	0.00095	0.597582	1.52E-46
3.87E-52	0.434885	5.72E-23	0.507707	5.76E-32	0.369487	1.49E-16	0.517104	2.72E-33
1.45E-36	0.536239	3.99E-36	0.451297	8.21E-25	0.300067	3.58E-11	0.463692	2.85E-26

2.69E-20	0.390676	1.77E-18	0.505241	1.26E-31	0.430749	1.61E-22	0.444769	4.56E-24
1.13E-37	0.466742	1.22E-26	0.530842	2.62E-35	0.381606	1.23E-17	0.56875	2.25E-41
6.71E-29	0.60936	8.25E-49	0.535757	4.73E-36	0.476126	8.48E-28	0.53131	2.23E-35
3.77E-38	0.499992	6.59E-31	0.40198	1.46E-19	0.368012	2.00E-16	0.489669	1.56E-29
6.17E-05	0.395159	6.65E-19	0.299327	4.02E-11	0.26318	7.73E-09	0.321184	1.15E-12
3.49E-63	0.715591	1.80E-74	0.494354	3.77E-30	0.509595	3.14E-32	0.641162	1.98E-55
2.60E-46	0.575559	1.50E-42	0.565645	7.56E-41	0.502841	2.70E-31	0.609147	9.09E-49
0.29986	0.298137	4.84E-11	0.303576	2.06E-11	0.376905	3.28E-17	0.231816	4.08E-07
1.07E-07	0.509783	2.96E-32	0.519581	1.19E-33	0.583726	5.39E-44	0.369295	1.55E-16
1.27E-61	0.640755	2.43E-55	0.487169	3.31E-29	0.352422	4.20E-15	0.608248	1.36E-48
1.88E-22	0.569366	1.76E-41	0.463406	3.08E-26	0.427268	3.80E-22	0.345397	1.57E-14
5.37E-10	-0.52265	4.27E-34	-0.35624	2.03E-15	-0.50617	9.41E-32	-0.33469	1.10E-13
1.00E-32	0.585608	2.47E-44	0.573446	3.50E-42	0.54361	2.89E-37	0.607643	1.79E-48
4.31E-35	0.367512	2.22E-16	0.348741	8.42E-15	0.351021	5.48E-15	0.581758	1.21E-43
3.22E-39	0.363464	4.96E-16	0.282736	4.94E-10	0.271596	2.43E-09	0.462188	4.31E-26
1.86E-60	0.582064	1.07E-43	0.502229	3.27E-31	0.496724	1.82E-30	0.636737	1.84E-54
9.79E-13	0.271513	2.46E-09	0.172855	0.00017	0.246148	7.12E-08	0.385451	5.45E-18
0.00924	0.431224	1.43E-22	0.450216	1.09E-24	0.516719	3.08E-33	0.414038	9.09E-21
5.66E-53	0.355524	2.32E-15	0.370217	1.29E-16	0.277658	1.03E-09	0.452486	5.98E-25
5.05E-14	0.233855	3.20E-07	0.158523	0.00059	0.262669	8.28E-09	0.2953	7.51E-11
0.03487	0.371025	1.09E-16	0.304033	1.92E-11	0.452171	6.50E-25	0.310577	6.69E-12
6.94E-20	0.425211	6.28E-22	0.404235	8.74E-20	0.37337	6.78E-17	0.472301	2.54E-27
1.50E-49	-0.35383	3.21E-15	-0.19442	2.33E-05	-0.18877	4.04E-05	-0.35707	1.73E-15
1.03E-24	0.499078	8.77E-31	0.467091	1.11E-26	0.514365	6.68E-33	0.576861	8.90E-43
1.97E-71	0.579123	3.56E-43	0.619703	7.02E-51	0.526964	9.93E-35	0.654702	1.71E-58
3.29E-09	0.40639	5.35E-20	0.395567	6.08E-19	0.406029	5.81E-20	0.407009	4.64E-20
7.14E-08	0.273385	1.89E-09	0.289726	1.75E-10	0.366759	2.58E-16	0.348977	8.05E-15
2.94E-48	0.538795	1.62E-36	0.623006	1.48E-51	0.551322	1.73E-38	0.634439	5.76E-54
8.17E-52	0.460705	6.48E-26	0.429956	1.96E-22	0.352936	3.81E-15	0.562454	2.60E-40
2.27E-25	0.717158	6.15E-75	0.558658	1.11E-39	0.593452	9.02E-46	0.473502	1.80E-27
0.00328	0.620187	5.60E-51	0.452179	6.49E-25	0.536679	3.42E-36	0.286928	2.66E-10
4.11E-41	0.721326	3.41E-76	0.603655	1.06E-47	0.591651	1.94E-45	0.657691	3.43E-59
1.85E-18	0.464616	2.20E-26	0.425642	5.65E-22	0.387228	3.73E-18	0.395212	6.57E-19
3.20E-07	0.369838	1.39E-16	0.316606	2.48E-12	0.323626	7.57E-13	0.39986	2.34E-19
4.01E-23	0.570312	1.22E-41	0.365022	3.64E-16	0.423482	9.56E-22	0.488737	2.07E-29
3.35E-16	0.176489	0.00013	0.313468	4.17E-12	0.285925	3.09E-10	0.252286	3.26E-08
6.83E-49	0.554941	4.49E-39	0.426391	4.71E-22	0.431488	1.34E-22	0.620207	5.54E-51
3.02E-68	0.623379	1.24E-51	0.597203	1.79E-46	0.546083	1.18E-37	0.726139	1.13E-77
1.06E-11	-0.25742	1.67E-08	-0.12268	0.00795	-0.11743	0.0111	-0.39631	5.16E-19
3.43E-35	0.581615	1.28E-43	0.423242	1.01E-21	0.516948	2.86E-33	0.577362	7.27E-43
0.02012	0.265011	6.03E-09	0.257828	1.58E-08	0.3059	1.42E-11	0.372246	8.52E-17
1.68E-49	0.631435	2.53E-53	0.609677	7.15E-49	0.542379	4.50E-37	0.667732	1.36E-61
2.10E-45	0.411787	1.54E-20	0.371573	9.77E-17	0.348826	8.28E-15	0.434194	6.81E-23
1.53E-22	0.218713	1.83E-06	0.264061	6.86E-09	0.237323	2.11E-07	0.264225	6.71E-09
2.03E-57	0.660851	6.16E-60	0.471003	3.67E-27	0.42105	1.72E-21	0.573053	4.10E-42

1.13E-65	0.330345	2.36E-13	0.332164	1.72E-13	0.225876	8.14E-07	0.474245	1.46E-27
1.81E-12	0.333405	1.38E-13	0.299967	3.64E-11	0.282811	4.89E-10	0.470198	4.61E-27
8.33E-42	0.406678	5.01E-20	0.323296	8.01E-13	0.249942	4.40E-08	0.448345	1.79E-24
1.31E-21	0.48241	1.36E-28	0.364252	4.24E-16	0.316438	2.55E-12	0.354711	2.72E-15
1.18E-10	-0.57404	2.76E-42	-0.4112	1.77E-20	-0.46695	1.15E-26	-0.3559	2.16E-15
6.39E-57	0.493481	4.92E-30	0.477691	5.40E-28	0.417962	3.60E-21	0.619162	9.05E-51
4.35E-35	0.480611	2.31E-28	0.442561	8.09E-24	0.520445	8.96E-34	0.549381	3.54E-38
1.18E-59	0.330888	2.15E-13	0.389014	2.54E-18	0.247608	5.92E-08	0.46505	1.95E-26
8.54E-08	0.336474	7.98E-14	0.307782	1.05E-11	0.270114	2.99E-09	0.286224	2.96E-10
5.07E-27	0.344829	1.74E-14	0.423699	9.07E-22	0.389541	2.27E-18	0.403149	1.12E-19
0.0006	0.465982	1.51E-26	0.399158	2.74E-19	0.48876	2.06E-29	0.34764	1.03E-14
2.88E-07	0.689138	4.82E-67	0.641427	1.73E-55	0.684914	6.24E-66	0.446813	2.68E-24
4.43E-13	0.451578	7.62E-25	0.468911	6.63E-27	0.49355	4.82E-30	0.528134	6.66E-35
2.82E-21	0.501792	3.75E-31	0.568774	2.23E-41	0.539649	1.20E-36	0.586981	1.39E-44
8.83E-06	0.582873	7.66E-44	0.49682	1.76E-30	0.508895	3.94E-32	0.363354	5.06E-16
2.56E-45	0.273373	1.89E-09	0.259292	1.30E-08	0.184543	6.02E-05	0.374563	5.31E-17
1.77E-28	0.414957	7.32E-21	0.278889	8.64E-10	0.266434	4.97E-09	0.333766	1.29E-13
7.03E-13	0.364326	4.18E-16	0.4298	2.04E-22	0.437715	2.80E-23	0.320206	1.35E-12
1.09E-46	0.722581	1.41E-76	0.620679	4.44E-51	0.628896	8.73E-53	0.685075	5.67E-66
1.00E-37	0.475081	1.15E-27	0.484192	8.03E-29	0.430864	1.56E-22	0.477107	6.39E-28
#####	0.53945	1.28E-36	0.505166	1.29E-31	0.429326	2.29E-22	0.589154	5.59E-45
9.82E-34	0.410343	2.15E-20	0.348358	9.04E-15	0.320867	1.21E-12	0.631991	1.93E-53
0.00018	-0.21631	2.38E-06	-0.19377	2.48E-05	-0.28275	4.93E-10	-0.32636	4.73E-13
1.49E-20	-0.27597	1.31E-09	-0.21197	3.82E-06	-0.23418	3.08E-07	-0.40281	1.21E-19
8.14E-41	0.462871	3.57E-26	0.504755	1.47E-31	0.497041	1.65E-30	0.594515	5.72E-46
6.02E-05	0.294141	8.97E-11	0.22756	6.70E-07	0.300159	3.53E-11	0.348477	8.84E-15
6.48E-81	0.545447	1.49E-37	0.537879	2.24E-36	0.475355	1.06E-27	0.728384	2.24E-78
0.00031	-0.3649	3.73E-16	-0.24842	5.34E-08	-0.3791	2.08E-17	-0.23119	4.39E-07
3.24E-60	0.301987	2.65E-11	0.274929	1.52E-09	0.202776	1.00E-05	0.51225	1.33E-32
1.75E-68	0.577809	6.07E-43	0.538677	1.69E-36	0.496361	2.03E-30	0.699674	6.65E-70
5.02E-19	-0.32948	2.75E-13	-0.20059	1.26E-05	-0.21146	4.03E-06	-0.19484	2.24E-05
3.88E-52	0.463117	3.34E-26	0.423285	1.00E-21	0.352773	3.93E-15	0.52141	6.49E-34
7.85E-36	0.548725	4.50E-38	0.413452	1.04E-20	0.437473	2.97E-23	0.464057	2.57E-26
5.07E-67	0.622824	1.61E-51	0.504834	1.44E-31	0.520402	9.09E-34	0.680941	6.68E-65
9.99E-11	0.388436	2.87E-18	0.421153	1.68E-21	0.300587	3.30E-11	0.323209	8.13E-13
6.44E-12	0.115267	0.01268	0.094416	0.04141	0.060207	0.19402	0.204134	8.73E-06
4.62E-22	0.609786	6.80E-49	0.521347	6.63E-34	0.549608	3.25E-38	0.499853	6.88E-31
5.72E-44	0.741127	1.71E-82	0.570658	1.06E-41	0.576638	9.74E-43	0.661241	4.97E-60
1.45E-43	0.707929	3.11E-72	0.597617	1.50E-46	0.560248	6.04E-40	0.586301	1.85E-44
3.82E-45	0.568931	2.09E-41	0.453749	4.27E-25	0.450138	1.12E-24	0.54373	2.77E-37
6.39E-10	0.336399	8.08E-14	0.470128	4.70E-27	0.449355	1.37E-24	0.466774	1.21E-26
4.76E-43	0.608434	1.25E-48	0.488281	2.37E-29	0.394088	8.42E-19	0.609307	8.45E-49
2.13E-34	0.43748	2.97E-23	0.487864	2.69E-29	0.405218	6.99E-20	0.425474	5.89E-22
1.81E-38	0.493424	5.00E-30	0.427161	3.90E-22	0.450014	1.15E-24	0.470938	3.74E-27
1.17E-15	0.451365	8.06E-25	0.404167	8.87E-20	0.46631	1.37E-26	0.349563	7.21E-15

5.23E-23	0.420965	1.75E-21	0.339737	4.43E-14	0.386072	4.77E-18	0.485029	6.27E-29
1.23E-21	0.343849	2.09E-14	0.447274	2.37E-24	0.42839	2.88E-22	0.574546	2.26E-42
2.52E-14	0.329577	2.71E-13	0.391881	1.36E-18	0.289021	1.95E-10	0.320791	1.23E-12
4.71E-38	0.574861	1.99E-42	0.50213	3.38E-31	0.429012	2.47E-22	0.638246	8.63E-55
1.83E-08	-0.17263	0.00018	-0.06137	0.18554	-0.14353	0.00187	-0.14015	0.0024
3.94E-11	0.569931	1.41E-41	0.573965	2.85E-42	0.579232	3.40E-43	0.506399	8.75E-32
6.23E-14	0.384285	6.98E-18	0.277578	1.04E-09	0.243345	1.01E-07	0.349495	7.31E-15
1.24E-31	0.484159	8.11E-29	0.516541	3.27E-33	0.520352	9.24E-34	0.618839	1.05E-50
2.44E-24	0.457402	1.59E-25	0.451038	8.79E-25	0.453306	4.80E-25	0.479218	3.46E-28
2.40E-56	0.670852	2.33E-62	0.609165	9.01E-49	0.495866	2.37E-30	0.700346	4.32E-70
1.88E-09	0.431175	1.45E-22	0.496202	2.14E-30	0.439128	1.95E-23	0.395004	6.88E-19
4.72E-16	0.36805	1.99E-16	0.346858	1.20E-14	0.25795	1.55E-08	0.420924	1.77E-21
2.42E-53	0.510433	2.40E-32	0.40464	7.97E-20	0.342132	2.86E-14	0.415307	6.74E-21
2.09E-28	0.251112	3.79E-08	0.414118	8.92E-21	0.277742	1.02E-09	0.367954	2.03E-16
1.09E-33	0.550853	2.06E-38	0.40197	1.46E-19	0.339167	4.91E-14	0.437071	3.29E-23
7.22E-31	0.493381	5.07E-30	0.499647	7.34E-31	0.480051	2.72E-28	0.610278	5.44E-49
2.22E-07	-0.29642	6.32E-11	-0.28514	3.47E-10	-0.36411	4.36E-16	-0.29658	6.16E-11
2.08E-09	-0.44647	2.93E-24	-0.2998	3.74E-11	-0.3495	7.30E-15	-0.26496	6.07E-09
1.97E-45	0.719251	1.45E-75	0.507734	5.71E-32	0.497789	1.31E-30	0.509825	2.92E-32
2.80E-39	0.614927	6.49E-50	0.576212	1.16E-42	0.606236	3.36E-48	0.660794	6.35E-60
1.29E-27	0.719612	1.13E-75	0.515972	3.94E-33	0.499478	7.74E-31	0.536498	3.65E-36
6.31E-37	0.526045	1.36E-34	0.553373	8.07E-39	0.555929	3.10E-39	0.616921	2.58E-50
7.00E-14	0.327782	3.70E-13	0.381141	1.36E-17	0.345878	1.44E-14	0.388632	2.76E-18
7.62E-59	0.61657	3.03E-50	0.562949	2.14E-40	0.523515	3.20E-34	0.612221	2.25E-49
5.95E-54	0.649652	2.48E-57	0.557786	1.54E-39	0.538485	1.81E-36	0.63045	4.10E-53
4.28E-10	-0.36427	4.23E-16	-0.34975	6.97E-15	-0.45504	3.02E-25	-0.3605	8.88E-16
7.23E-29	0.482408	1.36E-28	0.43686	3.47E-23	0.449001	1.51E-24	0.586169	1.95E-44
7.19E-17	0.663943	1.12E-60	0.551822	1.44E-38	0.580676	1.89E-43	0.559163	9.13E-40
6.43E-20	0.513652	8.43E-33	0.413225	1.10E-20	0.434382	6.49E-23	0.511811	1.54E-32
3.95E-42	0.482418	1.36E-28	0.390237	1.95E-18	0.325228	5.75E-13	0.563463	1.76E-40
2.66E-48	0.637857	1.05E-54	0.471787	2.94E-27	0.495704	2.49E-30	0.55224	1.23E-38
1.12E-14	-0.41264	1.26E-20	-0.244	9.31E-08	-0.3153	3.08E-12	-0.48155	1.75E-28
1.11E-05	0.327354	3.98E-13	0.400409	2.07E-19	0.406935	4.72E-20	0.201958	1.09E-05
1.11E-06	-0.39929	2.66E-19	-0.22285	1.15E-06	-0.37334	6.82E-17	-0.28146	5.95E-10
1.54E-45	0.797834	#####	0.633888	7.57E-54	0.617009	2.47E-50	0.625685	4.11E-52
2.81E-43	0.649226	3.10E-57	0.56073	5.02E-40	0.591017	2.54E-45	0.591311	2.25E-45
7.19E-21	0.424953	6.69E-22	0.336866	7.43E-14	0.369801	1.40E-16	0.324874	6.11E-13
4.60E-68	0.494675	3.41E-30	0.491207	9.82E-30	0.365228	3.49E-16	0.626353	2.98E-52
1.96E-21	0.457724	1.46E-25	0.509712	3.03E-32	0.49095	1.06E-29	0.49265	6.34E-30
1.05E-25	0.401336	1.68E-19	0.387622	3.42E-18	0.298784	4.38E-11	0.337512	6.62E-14
1.03E-18	0.193261	2.61E-05	0.221846	1.29E-06	0.202959	9.86E-06	0.34358	2.19E-14
4.92E-06	-0.32221	9.65E-13	-0.37368	6.36E-17	-0.43525	5.22E-23	-0.481	2.06E-28
1.98E-53	-0.36509	3.59E-16	-0.29209	1.23E-10	-0.23081	4.59E-07	-0.51854	1.69E-33
0.0004	-0.3203	1.33E-12	-0.26728	4.42E-09	-0.32096	1.19E-12	-0.35411	3.05E-15
2.71E-30	-0.43468	6.02E-23	-0.3872	3.75E-18	-0.41801	3.55E-21	-0.32267	8.92E-13

4.92E-18	-0.51235	1.29E-32	-0.34452	1.85E-14	-0.41121	1.76E-20	-0.46618	1.42E-26
1.63E-09	0.221153	1.39E-06	0.218639	1.84E-06	0.191799	3.01E-05	0.298589	4.51E-11
1.69E-14	0.420513	1.96E-21	0.399278	2.67E-19	0.452579	5.83E-25	0.389729	2.18E-18
9.01E-53	0.454955	3.09E-25	0.483056	1.12E-28	0.396967	4.46E-19	0.595166	4.32E-46
1.66E-19	0.595995	3.03E-46	0.637592	1.20E-54	0.616366	3.33E-50	0.576988	8.45E-43
3.30E-06	-0.35346	3.45E-15	-0.43301	9.15E-23	-0.40347	1.04E-19	-0.38908	2.50E-18
7.71E-07	-0.24293	1.06E-07	-0.28957	1.79E-10	-0.28198	5.51E-10	-0.2772	1.10E-09
8.38E-12	-0.41005	2.30E-20	-0.41823	3.37E-21	-0.40649	5.23E-20	-0.41248	1.31E-20
7.13E-12	0.490445	1.24E-29	0.199774	1.36E-05	0.244166	9.12E-08	0.283905	4.16E-10
2.19E-35	0.343775	2.12E-14	0.345199	1.63E-14	0.309777	7.62E-12	0.470887	3.79E-27
1.32E-11	0.433141	8.86E-23	0.373041	7.25E-17	0.377409	2.95E-17	0.272706	2.08E-09
4.22E-09	0.353944	3.15E-15	0.302097	2.61E-11	0.329222	2.88E-13	0.291133	1.42E-10
2.34E-83	0.422391	1.24E-21	0.467038	1.12E-26	0.369072	1.62E-16	0.586046	2.06E-44
1.22E-29	0.567966	3.06E-41	0.57075	1.02E-41	0.53181	1.88E-35	0.730521	4.75E-79
1.36E-19	0.59122	2.33E-45	0.46611	1.45E-26	0.543424	3.09E-37	0.494331	3.79E-30
9.08E-07	0.275738	1.36E-09	0.355147	2.50E-15	0.326542	4.59E-13	0.268113	3.94E-09
2.82E-60	0.281557	5.87E-10	0.367756	2.11E-16	0.172166	0.00019	0.486481	4.07E-29
1.50E-28	0.623824	1.00E-51	0.610556	4.80E-49	0.608112	1.45E-48	0.595505	3.74E-46
3.50E-18	0.240399	1.45E-07	0.147549	0.00139	0.185865	5.32E-05	0.438573	2.25E-23
2.02E-15	0.383625	8.03E-18	0.408472	3.32E-20	0.391152	1.60E-18	0.358479	1.31E-15
2.45E-26	0.609479	7.82E-49	0.392243	1.26E-18	0.377199	3.08E-17	0.520481	8.85E-34
2.78E-23	0.259714	1.23E-08	0.343513	2.22E-14	0.255807	2.06E-08	0.392591	1.17E-18
3.67E-38	0.455942	2.37E-25	0.265315	5.79E-09	0.245485	7.74E-08	0.571192	8.58E-42
1.70E-22	0.52898	4.98E-35	0.489217	1.79E-29	0.561275	4.08E-40	0.477241	6.15E-28
9.16E-18	0.2677	4.17E-09	0.365884	3.07E-16	0.244326	8.94E-08	0.349072	7.91E-15
2.91E-46	0.598552	9.99E-47	0.551452	1.65E-38	0.517346	2.51E-33	0.581605	1.29E-43
1.07E-09	0.404856	7.59E-20	0.409832	2.42E-20	0.34144	3.25E-14	0.295696	7.07E-11
6.62E-06	-0.30109	3.05E-11	-0.3305	2.30E-13	-0.43235	1.08E-22	-0.41701	4.50E-21
1.47E-31	0.397356	4.09E-19	0.307425	1.11E-11	0.282457	5.15E-10	0.412809	1.21E-20
1.02E-10	0.505748	1.08E-31	0.390727	1.75E-18	0.488492	2.23E-29	0.427262	3.80E-22
0.00102	-0.40282	1.20E-19	-0.31554	2.96E-12	-0.40758	4.07E-20	-0.32096	1.19E-12
2.69E-14	-0.32888	3.06E-13	-0.28288	4.84E-10	-0.31708	2.29E-12	-0.38408	7.29E-18
6.50E-55	0.487642	2.88E-29	0.445982	3.33E-24	0.342025	2.92E-14	0.525735	1.51E-34
4.33E-47	0.53887	1.58E-36	0.382741	9.68E-18	0.425917	5.29E-22	0.563719	1.59E-40
2.84E-15	0.401799	1.52E-19	0.494339	3.78E-30	0.442625	7.96E-24	0.370182	1.30E-16
3.09E-13	0.298997	4.24E-11	0.416078	5.62E-21	0.303945	1.95E-11	0.483412	1.01E-28
1.06E-09	0.690403	2.22E-67	0.491858	8.06E-30	0.419403	2.55E-21	0.581489	1.35E-43
4.14E-13	0.666924	2.14E-61	0.606359	3.18E-48	0.547017	8.40E-38	0.665668	4.31E-61
0.00242	0.174488	0.00015	0.241689	1.24E-07	0.203423	9.40E-06	0.287231	2.54E-10
7.43E-19	0.301453	2.88E-11	0.292781	1.10E-10	0.166764	0.0003	0.458353	1.23E-25
1.68E-20	0.557066	2.02E-39	0.476726	7.13E-28	0.435524	4.87E-23	0.556004	3.01E-39
2.62E-05	0.49986	6.87E-31	0.442517	8.18E-24	0.449267	1.41E-24	0.465561	1.69E-26
2.47E-59	0.342291	2.78E-14	0.460299	7.24E-26	0.336641	7.74E-14	0.486789	3.71E-29
8.89E-54	0.451233	8.35E-25	0.441555	1.05E-23	0.40503	7.29E-20	0.654045	2.43E-58
3.51E-09	0.286802	2.71E-10	0.303384	2.13E-11	0.283953	4.13E-10	0.3273	4.02E-13

1.01E-22	0.377596	2.84E-17	0.318824	1.71E-12	0.35916	1.15E-15	0.508726	4.16E-32
1.46E-06	0.17934	9.75E-05	-0.01122	0.80893	0.121398	0.00864	0.325492	5.50E-13
3.25E-10	-0.27726	1.09E-09	-0.36828	1.90E-16	-0.34591	1.43E-14	-0.45651	2.03E-25
3.31E-59	0.498732	9.76E-31	0.522152	5.06E-34	0.438996	2.02E-23	0.553402	7.98E-39
1.07E-54	0.557398	1.78E-39	0.474399	1.39E-27	0.463382	3.10E-26	0.736476	5.80E-81
3.52E-11	0.402034	1.44E-19	0.39517	6.64E-19	0.422563	1.19E-21	0.199179	1.45E-05
4.58E-36	0.590482	3.19E-45	0.524106	2.62E-34	0.463618	2.90E-26	0.624322	7.89E-52
0.0317	0.408193	3.53E-20	0.369674	1.44E-16	0.354865	2.64E-15	0.291793	1.28E-10
1.04E-34	0.494322	3.80E-30	0.421725	1.46E-21	0.477298	6.05E-28	0.611823	2.69E-49
1.77E-56	0.400231	2.16E-19	0.405344	6.79E-20	0.347579	1.05E-14	0.592372	1.43E-45
1.75E-20	0.296256	6.48E-11	0.423865	8.71E-22	0.264552	6.42E-09	0.331439	1.95E-13
7.91E-11	-0.23957	1.61E-07	-0.42891	2.53E-22	-0.32325	8.07E-13	-0.30604	1.39E-11
4.37E-14	-0.42718	3.88E-22	-0.27465	1.58E-09	-0.22679	7.33E-07	-0.41232	1.36E-20
1.50E-33	0.481276	1.90E-28	0.447065	2.51E-24	0.333242	1.42E-13	0.523381	3.35E-34
9.74E-53	0.65353	3.20E-58	0.537587	2.48E-36	0.544365	2.20E-37	0.635677	3.12E-54
3.73E-51	0.620109	5.81E-51	0.458694	1.12E-25	0.448894	1.55E-24	0.573578	3.32E-42
6.22E-20	0.39509	6.75E-19	0.264412	6.54E-09	0.201158	1.19E-05	0.272849	2.04E-09
9.58E-29	0.410626	2.01E-20	0.402779	1.22E-19	0.349371	7.48E-15	0.514433	6.53E-33
3.24E-28	0.342969	2.45E-14	0.256755	1.82E-08	0.211026	4.22E-06	0.53161	2.01E-35
5.16E-27	0.613154	1.47E-49	0.608165	1.42E-48	0.650331	1.73E-57	0.615427	5.15E-50
0.00526	-0.22251	1.19E-06	-0.22884	5.78E-07	-0.32218	9.69E-13	-0.22109	1.40E-06
3.14E-41	0.577537	6.77E-43	0.595791	3.30E-46	0.555473	3.68E-39	0.657688	3.44E-59
1.89E-15	-0.32791	3.62E-13	-0.31869	1.75E-12	-0.31062	6.65E-12	-0.38574	5.12E-18
3.84E-06	-0.36188	6.77E-16	-0.26246	8.52E-09	-0.31713	2.27E-12	-0.29032	1.60E-10
7.20E-31	0.503211	2.40E-31	0.526966	9.92E-35	0.493272	5.24E-30	0.471548	3.14E-27
5.19E-24	0.654504	1.90E-58	0.574078	2.72E-42	0.54927	3.68E-38	0.638635	7.10E-55
1.68E-09	0.474697	1.28E-27	0.459959	7.95E-26	0.413413	1.05E-20	0.352353	4.26E-15
2.83E-56	0.402717	1.23E-19	0.411831	1.52E-20	0.359641	1.05E-15	0.582904	7.56E-44
5.07E-09	-0.44736	2.32E-24	-0.27719	1.10E-09	-0.34569	1.49E-14	-0.33354	1.35E-13
8.04E-15	0.470105	4.73E-27	0.376244	3.76E-17	0.327664	3.78E-13	0.421691	1.47E-21
1.70E-19	-0.42807	3.12E-22	-0.33712	7.10E-14	-0.35599	2.13E-15	-0.52108	7.25E-34
8.41E-62	0.64114	2.00E-55	0.588763	6.59E-45	0.546315	1.09E-37	0.659056	1.64E-59
1.07E-15	0.401874	1.49E-19	0.442667	7.87E-24	0.385982	4.86E-18	0.323541	7.68E-13
5.85E-18	-0.27257	2.12E-09	-0.25215	3.32E-08	-0.2929	1.08E-10	-0.41157	1.62E-20
4.03E-05	-0.45409	3.89E-25	-0.34101	3.51E-14	-0.48813	2.49E-29	-0.29632	6.42E-11
1.52E-08	-0.40791	3.77E-20	-0.43292	9.36E-23	-0.44964	1.27E-24	-0.44097	1.22E-23
1.67E-45	0.587318	1.21E-44	0.416874	4.66E-21	0.46017	7.50E-26	0.657246	4.37E-59
1.35E-11	0.21334	3.29E-06	0.204872	8.09E-06	0.220315	1.53E-06	0.398808	2.96E-19
9.54E-27	0.410904	1.89E-20	0.465729	1.62E-26	0.432685	9.93E-23	0.607204	2.18E-48
2.89E-09	-0.39806	3.50E-19	-0.20757	6.10E-06	-0.29434	8.70E-11	-0.36172	6.98E-16
1.68E-26	0.435709	4.65E-23	0.360771	8.41E-16	0.42467	7.16E-22	0.466988	1.14E-26
2.60E-21	0.366188	2.89E-16	0.384389	6.83E-18	0.376976	3.23E-17	0.494296	3.83E-30
2.61E-12	0.364703	3.88E-16	0.196232	1.95E-05	0.196899	1.82E-05	0.389851	2.12E-18
2.18E-47	0.532001	1.76E-35	0.552834	9.86E-39	0.531025	2.46E-35	0.635812	2.91E-54
1.38E-37	0.678672	2.54E-64	0.604857	6.22E-48	0.567359	3.88E-41	0.557411	1.77E-39

1.55E-13	-0.38197	1.14E-17	-0.3438	2.11E-14	-0.32862	3.20E-13	-0.34976	6.95E-15
2.36E-34	0.34942	7.41E-15	0.26628	5.07E-09	0.263715	7.19E-09	0.42392	8.59E-22
0.00517	0.273318	1.91E-09	0.208118	5.76E-06	0.394193	8.23E-19	0.286614	2.79E-10
3.87E-13	0.564912	1.00E-40	0.541214	6.84E-37	0.589899	4.08E-45	0.501748	3.81E-31
4.00E-53	0.623329	1.27E-51	0.481618	1.72E-28	0.510216	2.57E-32	0.584439	4.01E-44
1.03E-53	0.537042	3.01E-36	0.487454	3.04E-29	0.427482	3.60E-22	0.574642	2.17E-42
0.18908	-0.30766	1.07E-11	-0.25947	1.27E-08	-0.3953	6.45E-19	-0.1136	0.01404
1.27E-05	0.419169	2.70E-21	0.418868	2.90E-21	0.459709	8.51E-26	0.211708	3.93E-06
0.00132	0.325242	5.74E-13	0.382859	9.44E-18	0.391008	1.65E-18	0.339808	4.37E-14
2.39E-75	0.708217	2.57E-72	0.552312	1.20E-38	0.496653	1.86E-30	0.595475	3.79E-46
2.94E-28	0.6937	2.88E-68	0.613433	1.29E-49	0.646012	1.65E-56	0.615927	4.09E-50
6.21E-52	0.560937	4.64E-40	0.524035	2.68E-34	0.483852	8.88E-29	0.626815	2.39E-52
0.00565	0.250642	4.02E-08	0.405875	6.01E-20	0.332825	1.53E-13	0.251127	3.78E-08
1.33E-08	-0.18693	4.81E-05	-0.20181	1.11E-05	-0.27508	1.49E-09	-0.16787	0.00027
7.44E-09	0.406135	5.67E-20	0.453621	4.42E-25	0.526954	9.96E-35	0.24521	8.01E-08
9.71E-26	0.377319	3.01E-17	0.252906	3.01E-08	0.203527	9.29E-06	0.374605	5.26E-17
1.81E-34	0.602528	1.75E-47	0.441634	1.03E-23	0.463183	3.28E-26	0.538915	1.55E-36
3.40E-12	0.348549	8.72E-15	0.500644	5.38E-31	0.452049	6.72E-25	0.496278	2.09E-30
2.29E-13	0.424165	8.10E-22	0.31096	6.29E-12	0.364463	4.07E-16	0.258615	1.42E-08
8.73E-13	-0.18431	6.16E-05	-0.15469	0.0008	-0.19828	1.59E-05	-0.26446	6.50E-09
1.36E-34	0.360324	9.18E-16	0.263257	7.65E-09	0.259139	1.33E-08	0.394358	7.93E-19
5.16E-53	0.696915	3.83E-69	0.661312	4.78E-60	0.596129	2.86E-46	0.608981	9.79E-49
5.32E-21	0.27805	9.74E-10	0.36783	2.08E-16	0.372025	8.91E-17	0.512151	1.38E-32
2.44E-30	0.355245	2.45E-15	0.352497	4.14E-15	0.292496	1.15E-10	0.333476	1.36E-13
1.09E-82	0.508414	4.59E-32	0.47111	3.56E-27	0.388253	2.99E-18	0.574938	1.93E-42
7.14E-09	0.308897	8.79E-12	0.410645	2.01E-20	0.419721	2.36E-21	0.236443	2.35E-07
1.40E-11	0.164878	0.00035	0.131704	0.00436	0.195931	2.01E-05	0.29725	5.56E-11
1.48E-19	0.429523	2.18E-22	0.211067	4.21E-06	0.243249	1.02E-07	0.306541	1.28E-11
8.26E-19	0.235669	2.58E-07	0.331261	2.01E-13	0.315822	2.82E-12	0.320908	1.20E-12
2.53E-41	0.17534	0.00014	0.193718	2.50E-05	0.156867	0.00067	0.305709	1.47E-11
4.09E-36	0.406472	5.25E-20	0.300076	3.58E-11	0.22368	1.05E-06	0.493916	4.31E-30
1.25E-38	0.413669	9.91E-21	0.434002	7.14E-23	0.352139	4.43E-15	0.511778	1.55E-32
0.00189	0.349762	6.95E-15	0.371956	9.04E-17	0.357146	1.70E-15	0.229606	5.28E-07
6.50E-28	0.553707	7.12E-39	0.604193	8.36E-48	0.587554	1.09E-44	0.525896	1.43E-34
2.74E-15	-0.34286	2.51E-14	-0.27736	1.08E-09	-0.21049	4.47E-06	-0.31259	4.81E-12
3.65E-33	0.480643	2.28E-28	0.358397	1.34E-15	0.375291	4.57E-17	0.54158	6.00E-37
0.0199	0.398581	3.12E-19	0.426312	4.80E-22	0.53861	1.73E-36	0.286845	2.70E-10
1.37E-70	0.550426	2.41E-38	0.502375	3.13E-31	0.372902	7.46E-17	0.649323	2.94E-57
9.76E-24	0.272974	2.00E-09	0.413757	9.71E-21	0.392113	1.30E-18	0.298036	4.92E-11
8.21E-12	-0.30169	2.78E-11	-0.22747	6.78E-07	-0.27207	2.28E-09	-0.37555	4.33E-17
6.22E-17	-0.47573	9.51E-28	-0.41237	1.34E-20	-0.44097	1.22E-23	-0.50374	2.03E-31
1.40E-07	-0.44459	4.78E-24	-0.24631	6.97E-08	-0.37855	2.33E-17	-0.24483	8.40E-08
1.11E-12	-0.57971	2.80E-43	-0.47559	9.89E-28	-0.57172	6.97E-42	-0.44297	7.29E-24
2.54E-09	0.504977	1.37E-31	0.553463	7.80E-39	0.538618	1.72E-36	0.470652	4.05E-27
3.46E-14	0.4706	4.11E-27	0.369256	1.56E-16	0.327838	3.66E-13	0.258312	1.48E-08



1.82E-23	0.252074	3.35E-08	0.261695	9.44E-09	0.203803	9.03E-06	0.390128	1.99E-18
7.06E-27	0.503483	2.20E-31	0.479764	2.95E-28	0.492017	7.68E-30	0.440514	1.37E-23
7.28E-22	0.618094	1.49E-50	0.503461	2.22E-31	0.492066	7.57E-30	0.571454	7.74E-42
4.29E-05	0.438644	2.21E-23	0.432271	1.10E-22	0.441474	1.07E-23	0.379593	1.87E-17
8.05E-43	0.652549	5.38E-58	0.660738	6.55E-60	0.645708	1.93E-56	0.661337	4.72E-60
8.64E-27	0.764854	7.58E-91	0.629661	6.02E-53	0.662879	2.02E-60	0.654696	1.72E-58
1.29E-70	0.281984	5.51E-10	0.317342	2.19E-12	0.126798	0.00607	0.454572	3.42E-25
9.78E-25	0.450858	9.22E-25	0.497078	1.63E-30	0.524985	1.95E-34	0.460175	7.49E-26
4.03E-48	0.494646	3.44E-30	0.434125	6.93E-23	0.446036	3.28E-24	0.551698	1.50E-38
9.58E-10	-0.39044	1.86E-18	-0.3229	8.57E-13	-0.4156	6.29E-21	-0.35234	4.27E-15
1.09E-75	0.65169	8.48E-58	0.558468	1.19E-39	0.510497	2.35E-32	0.701124	2.62E-70
3.03E-22	0.527377	8.62E-35	0.553419	7.93E-39	0.564985	9.77E-41	0.532474	1.49E-35
2.95E-46	0.686212	2.85E-66	0.597107	1.87E-46	0.588846	6.37E-45	0.702668	9.70E-71
1.66E-07	-0.26974	3.15E-09	-0.09569	0.03873	-0.1441	0.0018	-0.28018	7.16E-10
2.08E-68	0.412518	1.30E-20	0.493814	4.44E-30	0.43135	1.39E-22	0.597664	1.47E-46
4.99E-59	0.741846	9.85E-83	0.619832	6.61E-51	0.597911	1.32E-46	0.652685	5.01E-58
1.97E-06	0.449947	1.17E-24	0.243227	1.03E-07	0.204352	8.54E-06	0.218405	1.89E-06
0.05972	0.464886	2.04E-26	0.322697	8.87E-13	0.45745	1.57E-25	0.265522	5.63E-09
1.22E-37	0.38966	2.21E-18	0.319338	1.57E-12	0.26841	3.78E-09	0.347857	9.93E-15
1.37E-32	0.344053	2.01E-14	0.282374	5.21E-10	0.168828	0.00025	0.386386	4.46E-18
3.38E-21	0.218524	1.87E-06	0.285484	3.30E-10	0.195101	2.18E-05	0.196879	1.83E-05
7.59E-11	0.268222	3.88E-09	0.376046	3.91E-17	0.340057	4.18E-14	0.352505	4.14E-15
0.00093	0.178335	0.00011	0.088458	0.05611	0.253856	2.66E-08	0.198264	1.59E-05
1.08E-39	0.403095	1.13E-19	0.238936	1.74E-07	0.231044	4.46E-07	0.50425	1.73E-31
1.34E-46	0.600193	4.88E-47	0.516196	3.66E-33	0.567184	4.15E-41	0.651112	1.15E-57
1.91E-41	0.446433	2.96E-24	0.382225	1.08E-17	0.307789	1.05E-11	0.497998	1.23E-30
1.47E-19	-0.26192	9.17E-09	-0.27357	1.84E-09	-0.15519	0.00077	-0.41179	1.54E-20
1.72E-23	0.357603	1.56E-15	0.387898	3.23E-18	0.278711	8.86E-10	0.42214	1.32E-21
1.03E-10	-0.47106	3.62E-27	-0.31189	5.40E-12	-0.35586	2.18E-15	-0.17523	0.00014
2.82E-11	0.49954	7.59E-31	0.434264	6.69E-23	0.482444	1.35E-28	0.397395	4.06E-19
2.35E-20	0.506169	9.41E-32	0.38367	7.95E-18	0.474226	1.47E-27	0.464362	2.36E-26
2.13E-08	0.604686	6.72E-48	0.513579	8.64E-33	0.575076	1.83E-42	0.456259	2.17E-25
4.96E-93	0.619459	7.88E-51	0.511876	1.50E-32	0.450475	1.02E-24	0.666842	2.24E-61
2.37E-35	0.496176	2.15E-30	0.452977	5.25E-25	0.464166	2.50E-26	0.402188	1.39E-19
3.68E-12	0.570685	1.05E-41	0.469295	5.95E-27	0.510708	2.19E-32	0.665803	4.00E-61
8.48E-19	-0.35504	2.55E-15	-0.3092	8.37E-12	-0.31672	2.43E-12	-0.35778	1.51E-15
0.00358	0.360012	9.76E-16	0.298592	4.51E-11	0.448197	1.86E-24	0.332051	1.75E-13
8.41E-68	0.725384	1.93E-77	0.627129	2.05E-52	0.597115	1.86E-46	0.669571	4.81E-62
6.18E-57	0.551153	1.84E-38	0.548441	4.99E-38	0.486455	4.10E-29	0.646238	1.47E-56
3.94E-22	0.393739	9.09E-19	0.483859	8.87E-29	0.460889	6.16E-26	0.434925	5.66E-23
1.81E-23	0.296353	6.38E-11	0.33458	1.12E-13	0.311207	6.04E-12	0.324267	6.78E-13
2.46E-32	0.540656	8.35E-37	0.533117	1.19E-35	0.528005	6.96E-35	0.543886	2.62E-37
1.72E-19	0.56618	6.14E-41	0.546213	1.13E-37	0.526528	1.15E-34	0.521118	7.15E-34
6.17E-19	0.13258	0.0041	0.126068	0.00637	0.05814	0.20981	0.312222	5.11E-12
2.40E-29	0.254041	2.60E-08	0.280032	7.32E-10	0.255492	2.15E-08	0.481453	1.80E-28

3.30E-40	0.541045	7.26E-37	0.396873	4.56E-19	0.372148	8.69E-17	0.544229	2.31E-37
5.32E-14	-0.49133	9.47E-30	-0.09581	0.03849	-0.2986	4.51E-11	-0.35557	2.31E-15
1.30E-05	0.484328	7.72E-29	0.424285	7.87E-22	0.572102	5.99E-42	0.479719	2.99E-28
4.71E-23	-0.04834	0.29721	-0.10659	0.02124	-0.07407	0.10994	-0.38486	6.18E-18
2.59E-31	0.334726	1.09E-13	0.355217	2.47E-15	0.311522	5.73E-12	0.501644	3.93E-31
1.81E-28	0.51439	6.63E-33	0.460839	6.25E-26	0.468218	8.06E-27	0.482759	1.23E-28
3.52E-13	0.365055	3.62E-16	0.314555	3.48E-12	0.358805	1.23E-15	0.32769	3.76E-13
8.46E-20	0.530234	3.23E-35	0.451983	6.84E-25	0.460942	6.07E-26	0.433527	8.05E-23
2.18E-17	0.142826	0.00197	0.1622	0.00043	0.13764	0.00288	0.181596	7.92E-05
6.17E-25	0.523261	3.48E-34	0.581554	1.32E-43	0.501272	4.42E-31	0.581424	1.39E-43
5.77E-53	0.559892	6.92E-40	0.540629	8.43E-37	0.53667	3.43E-36	0.63901	5.87E-55
1.74E-14	0.361009	8.03E-16	0.248844	5.06E-08	0.245424	7.79E-08	0.230563	4.72E-07
8.78E-68	0.608009	1.52E-48	0.463484	3.01E-26	0.493402	5.04E-30	0.639255	5.19E-55
2.29E-15	0.443302	6.68E-24	0.338529	5.51E-14	0.426719	4.34E-22	0.364506	4.03E-16
2.21E-16	0.481077	2.01E-28	0.560327	5.86E-40	0.464173	2.49E-26	0.644496	3.60E-56
9.55E-28	0.412219	1.39E-20	0.502165	3.34E-31	0.45697	1.79E-25	0.419962	2.23E-21
3.14E-47	0.39534	6.39E-19	0.450062	1.14E-24	0.44301	7.20E-24	0.543278	3.26E-37
7.71E-22	-0.28985	1.72E-10	-0.16152	0.00046	-0.1547	0.0008	-0.31062	6.64E-12
1.59E-13	-0.38805	3.12E-18	-0.06847	0.13957	-0.16462	0.00035	-0.24013	1.50E-07
3.89E-15	0.466042	1.48E-26	0.516807	3.00E-33	0.522705	4.20E-34	0.529411	4.29E-35
3.78E-11	0.507933	5.36E-32	0.468022	8.51E-27	0.460604	6.66E-26	0.408377	3.39E-20
2.10E-27	-0.46368	2.85E-26	-0.16489	0.00035	-0.26997	3.05E-09	-0.42826	2.98E-22
2.31E-39	0.62783	1.46E-52	0.49902	8.93E-31	0.412489	1.31E-20	0.486695	3.82E-29
8.30E-34	0.734759	2.09E-80	0.667274	1.75E-61	0.637462	1.28E-54	0.671533	1.58E-62
5.72E-37	-0.40006	2.24E-19	-0.20135	1.16E-05	-0.12458	0.00703	-0.39438	7.90E-19
3.86E-06	0.35727	1.66E-15	0.20332	9.50E-06	0.401599	1.59E-19	0.401995	1.45E-19
4.58E-07	0.41723	4.28E-21	0.340343	3.97E-14	0.448282	1.82E-24	0.390451	1.86E-18
4.71E-11	0.320835	1.22E-12	0.318553	1.79E-12	0.319878	1.43E-12	0.37626	3.74E-17
6.17E-58	0.640249	3.14E-55	0.590295	3.45E-45	0.566273	5.92E-41	0.682914	2.07E-65
1.36E-24	-0.21405	3.05E-06	-0.28765	2.39E-10	-0.30729	1.14E-11	-0.35818	1.39E-15
6.33E-37	-0.44077	1.28E-23	-0.35265	4.03E-15	-0.33211	1.73E-13	-0.59235	1.44E-45
1.43E-25	0.434099	6.97E-23	0.345597	1.51E-14	0.367997	2.01E-16	0.377855	2.69E-17
6.90E-16	0.609917	6.41E-49	0.441721	1.00E-23	0.486174	4.46E-29	0.532408	1.52E-35
4.60E-58	0.594881	4.89E-46	0.468631	7.17E-27	0.402926	1.18E-19	0.595545	3.67E-46
0.0005	0.334934	1.05E-13	0.331158	2.05E-13	0.456809	1.87E-25	0.304491	1.78E-11
1.06E-57	0.599498	6.61E-47	0.507487	6.18E-32	0.481931	1.57E-28	0.673848	4.19E-63
2.50E-18	0.421051	1.72E-21	0.430677	1.64E-22	0.462246	4.24E-26	0.540888	7.68E-37
3.81E-44	0.68758	1.25E-66	0.59272	1.23E-45	0.578164	5.25E-43	0.645194	2.51E-56
2.01E-39	0.54296	3.65E-37	0.454941	3.10E-25	0.468692	7.05E-27	0.495833	2.39E-30
3.46E-27	-0.23516	2.74E-07	-0.32629	4.79E-13	-0.31594	2.77E-12	-0.39152	1.47E-18
1.63E-51	0.68438	8.60E-66	0.570214	1.26E-41	0.547765	6.39E-38	0.699151	9.28E-70
7.77E-20	-0.39755	3.92E-19	-0.41905	2.77E-21	-0.40751	4.14E-20	-0.43998	1.57E-23
2.00E-10	-0.34393	2.06E-14	-0.19192	2.98E-05	-0.13214	0.00423	-0.19645	1.91E-05
1.53E-67	0.728402	2.21E-78	0.559073	9.44E-40	0.519401	1.27E-33	0.653871	2.67E-58
4.42E-05	-0.35409	3.06E-15	-0.22834	6.12E-07	-0.29482	8.09E-11	-0.22512	8.87E-07

1.41E-14	0.37221	8.59E-17	0.385022	5.97E-18	0.375762	4.15E-17	0.403199	1.10E-19
2.22E-06	0.442463	8.30E-24	0.471292	3.38E-27	0.517436	2.43E-33	0.394763	7.26E-19
4.25E-10	-0.32223	9.60E-13	-0.28201	5.49E-10	-0.33746	6.68E-14	-0.31781	2.03E-12
2.66E-18	0.471568	3.13E-27	0.471212	3.46E-27	0.55412	6.10E-39	0.478873	3.83E-28
3.79E-29	0.525873	1.44E-34	0.551862	1.41E-38	0.53991	1.09E-36	0.593481	8.91E-46
1.75E-37	-0.13549	0.00335	-0.21032	4.56E-06	-0.16075	0.00049	-0.46153	5.17E-26
3.71E-13	0.59802	1.26E-46	0.418171	3.42E-21	0.485941	4.78E-29	0.476351	7.95E-28
9.99E-21	0.408435	3.34E-20	0.387997	3.16E-18	0.425752	5.50E-22	0.588762	6.59E-45
1.16E-21	0.54154	6.08E-37	0.474253	1.45E-27	0.484325	7.72E-29	0.520416	9.05E-34
1.46E-20	0.376664	3.44E-17	0.449671	1.26E-24	0.388117	3.08E-18	0.440592	1.34E-23
1.47E-48	0.534449	7.48E-36	0.498747	9.72E-31	0.460554	6.75E-26	0.514316	6.79E-33
1.15E-32	0.461732	4.89E-26	0.497037	1.65E-30	0.498161	1.17E-30	0.539201	1.40E-36
1.58E-23	0.400693	1.94E-19	0.375632	4.26E-17	0.437415	3.02E-23	0.406758	4.91E-20
5.54E-35	-0.48574	5.07E-29	-0.28398	4.12E-10	-0.25345	2.80E-08	-0.54795	5.98E-38
8.86E-29	0.444785	4.55E-24	0.443565	6.24E-24	0.372747	7.69E-17	0.41867	3.04E-21
1.28E-24	0.474133	1.50E-27	0.561137	4.30E-40	0.464855	2.06E-26	0.482504	1.32E-28
1.00E-12	-0.36376	4.67E-16	-0.34788	9.90E-15	-0.45202	6.76E-25	-0.35469	2.73E-15
7.27E-40	0.504107	1.81E-31	0.484389	7.58E-29	0.423403	9.74E-22	0.509408	3.34E-32
4.75E-20	0.432491	1.04E-22	0.425525	5.82E-22	0.385869	4.98E-18	0.394155	8.29E-19
0.16814	0.367179	2.37E-16	0.391035	1.64E-18	0.502832	2.71E-31	0.209721	4.86E-06
1.10E-09	0.341821	3.03E-14	0.385281	5.65E-18	0.403483	1.04E-19	0.354334	2.92E-15
3.56E-08	0.260222	1.15E-08	0.230279	4.88E-07	0.30921	8.36E-12	0.236243	2.41E-07
8.95E-37	0.667616	1.45E-61	0.519177	1.37E-33	0.478723	4.00E-28	0.614962	6.38E-50
1.87E-06	0.272511	2.14E-09	0.236983	2.20E-07	0.350797	5.72E-15	0.318163	1.91E-12
3.13E-36	-0.37153	9.85E-17	-0.34766	1.03E-14	-0.29387	9.35E-11	-0.48764	2.88E-29
2.31E-61	0.616229	3.55E-50	0.52623	1.27E-34	0.439083	1.97E-23	0.709724	9.44E-73
1.83E-46	0.597477	1.59E-46	0.597756	1.41E-46	0.54211	4.96E-37	0.634815	4.78E-54
9.30E-33	0.448679	1.64E-24	0.3937	9.16E-19	0.373946	6.02E-17	0.457104	1.73E-25
2.74E-24	0.50269	2.83E-31	0.392359	1.23E-18	0.452665	5.70E-25	0.472138	2.66E-27
8.80E-52	0.537255	2.79E-36	0.471485	3.20E-27	0.426765	4.30E-22	0.594187	6.58E-46
7.61E-11	0.30195	2.67E-11	0.267742	4.15E-09	0.312672	4.75E-12	0.449799	1.22E-24
3.55E-35	0.69881	1.15E-69	0.406098	5.72E-20	0.491044	1.03E-29	0.446806	2.68E-24
1.53E-09	0.289247	1.88E-10	0.29715	5.65E-11	0.302103	2.60E-11	0.189065	3.92E-05
5.92E-14	0.22495	9.05E-07	0.208077	5.78E-06	0.209466	4.99E-06	0.287976	2.28E-10
9.01E-09	0.309193	8.38E-12	0.354242	2.97E-15	0.384273	7.00E-18	0.233401	3.38E-07
1.91E-24	0.520839	7.85E-34	0.487132	3.35E-29	0.383848	7.66E-18	0.473538	1.78E-27
1.23E-43	0.683197	1.75E-65	0.646065	1.60E-56	0.576631	9.77E-43	0.63958	4.41E-55
1.80E-25	-0.24837	5.38E-08	-0.25999	1.19E-08	-0.21231	3.68E-06	-0.34154	3.19E-14
1.87E-25	-0.28721	2.55E-10	-0.12344	0.00757	-0.2032	9.61E-06	-0.30676	1.24E-11
1.34E-26	0.788394	#####	0.626751	2.46E-52	0.660139	9.08E-60	0.65353	3.20E-58
1.70E-24	0.745553	5.56E-84	0.576305	1.11E-42	0.567342	3.90E-41	0.47788	5.11E-28
8.39E-42	0.71386	5.85E-74	0.517098	2.72E-33	0.546911	8.73E-38	0.643167	7.12E-56
9.70E-40	-0.36204	6.55E-16	-0.24468	8.55E-08	-0.0555	0.23129	-0.49346	4.96E-30
1.92E-33	0.457222	1.67E-25	0.478432	4.35E-28	0.427287	3.78E-22	0.50004	6.49E-31
4.71E-20	0.550867	2.04E-38	0.480497	2.38E-28	0.466493	1.31E-26	0.580051	2.44E-43

0.00054	0.417527	3.99E-21	0.347549	1.05E-14	0.512966	1.05E-32	0.286107	3.01E-10
1.54E-28	0.538471	1.82E-36	0.590028	3.87E-45	0.542411	4.45E-37	0.507926	5.37E-32
6.59E-18	0.392797	1.12E-18	0.369626	1.45E-16	0.274794	1.55E-09	0.276132	1.28E-09
2.68E-41	0.44986	1.20E-24	0.47429	1.44E-27	0.343684	2.15E-14	0.555081	4.26E-39
1.74E-48	0.508505	4.46E-32	0.566424	5.58E-41	0.430756	1.61E-22	0.578442	4.69E-43
7.80E-46	0.696759	4.23E-69	0.5962	2.77E-46	0.537191	2.86E-36	0.629007	8.27E-53
3.40E-34	0.5306	2.85E-35	0.544908	1.81E-37	0.469726	5.27E-27	0.597379	1.66E-46
1.56E-37	0.46046	6.93E-26	0.517205	2.63E-33	0.437048	3.31E-23	0.54898	4.10E-38
1.07E-31	-0.29865	4.47E-11	-0.32336	7.93E-13	-0.31442	3.56E-12	-0.41319	1.11E-20
1.26E-08	-0.44053	1.36E-23	-0.31788	2.00E-12	-0.39925	2.68E-19	-0.32418	6.88E-13
5.37E-16	0.316464	2.54E-12	0.368321	1.88E-16	0.283725	4.27E-10	0.271202	2.57E-09
0.00217	0.297452	5.39E-11	0.22832	6.14E-07	0.330536	2.29E-13	0.336689	7.67E-14
4.46E-17	-0.64546	2.19E-56	-0.4864	4.17E-29	-0.51244	1.25E-32	-0.51023	2.56E-32
9.07E-11	0.421912	1.40E-21	0.286291	2.93E-10	0.387888	3.23E-18	0.330544	2.28E-13
3.10E-19	0.243495	9.91E-08	0.261374	9.86E-09	0.226373	7.69E-07	0.419109	2.74E-21
5.50E-25	0.537236	2.81E-36	0.570739	1.03E-41	0.563557	1.70E-40	0.574157	2.64E-42
3.67E-17	0.567603	3.53E-41	0.577802	6.08E-43	0.621751	2.68E-51	0.530034	3.47E-35
1.81E-21	0.671038	2.09E-62	0.502525	2.98E-31	0.613298	1.37E-49	0.534708	6.84E-36
1.47E-22	0.635316	3.73E-54	0.557001	2.07E-39	0.628735	9.44E-53	0.623358	1.25E-51
2.65E-37	0.611438	3.21E-49	0.391819	1.38E-18	0.33126	2.01E-13	0.526227	1.28E-34
3.43E-27	0.596203	2.77E-46	0.583961	4.89E-44	0.578266	5.04E-43	0.576895	8.78E-43
1.30E-54	0.625659	4.16E-52	0.63105	3.06E-53	0.603803	9.94E-48	0.701613	1.92E-70
8.41E-15	0.563892	1.49E-40	0.40534	6.80E-20	0.498471	1.06E-30	0.448766	1.60E-24
5.96E-35	0.490923	1.07E-29	0.484898	6.52E-29	0.498156	1.17E-30	0.573998	2.81E-42
1.57E-28	0.277072	1.12E-09	0.278253	9.46E-10	0.211699	3.93E-06	0.507074	7.05E-32
1.01E-06	0.329591	2.70E-13	0.26231	8.69E-09	0.347979	9.71E-15	0.24273	1.09E-07
7.11E-56	0.54027	9.58E-37	0.406305	5.45E-20	0.409746	2.47E-20	0.530815	2.65E-35
1.43E-57	0.468448	7.55E-27	0.482912	1.17E-28	0.447495	2.24E-24	0.610181	5.69E-49
7.34E-21	0.240535	1.43E-07	0.313308	4.28E-12	0.248003	5.63E-08	0.26355	7.35E-09
2.50E-56	0.484444	7.46E-29	0.473068	2.04E-27	0.489264	1.77E-29	0.581262	1.49E-43
3.11E-59	0.320648	1.26E-12	0.3924	1.22E-18	0.28338	4.50E-10	0.528885	5.15E-35
6.11E-22	0.628354	1.14E-52	0.553443	7.86E-39	0.528315	6.26E-35	0.577811	6.06E-43
0.0139	0.294304	8.75E-11	0.350221	6.37E-15	0.372307	8.42E-17	0.158946	0.00057
2.27E-17	0.456135	2.25E-25	0.385895	4.96E-18	0.361673	7.05E-16	0.439068	1.98E-23
2.52E-21	0.374904	4.95E-17	0.333542	1.35E-13	0.270414	2.87E-09	0.347554	1.05E-14
3.99E-07	-0.40147	1.63E-19	-0.13937	0.00254	-0.23752	2.06E-07	0.060316	0.19322
1.79E-22	0.48015	2.64E-28	0.416988	4.53E-21	0.426964	4.09E-22	0.454732	3.28E-25
1.09E-08	-0.29962	3.84E-11	-0.22722	6.97E-07	-0.30336	2.13E-11	-0.30868	9.11E-12
6.18E-11	0.546023	1.21E-37	0.434379	6.50E-23	0.497316	1.51E-30	0.331874	1.81E-13
5.47E-08	-0.51588	4.07E-33	-0.43591	4.42E-23	-0.49793	1.25E-30	-0.38513	5.83E-18
4.70E-36	0.477022	6.55E-28	0.52632	1.24E-34	0.485111	6.12E-29	0.610904	4.10E-49
5.05E-30	0.498829	9.47E-31	0.48725	3.23E-29	0.510392	2.43E-32	0.567917	3.12E-41
3.25E-08	0.190884	3.29E-05	0.32959	2.70E-13	0.284859	3.62E-10	0.265284	5.81E-09
1.13E-18	0.390842	1.71E-18	0.360054	9.68E-16	0.357131	1.71E-15	0.308923	8.75E-12
0.00044	0.372605	7.92E-17	0.341911	2.98E-14	0.317637	2.09E-12	0.303041	2.24E-11

1.06E-61	0.515866	4.08E-33	0.411505	1.64E-20	0.418914	2.87E-21	0.582012	1.09E-43
1.63E-30	0.691695	1.00E-67	0.637582	1.20E-54	0.598028	1.25E-46	0.661302	4.81E-60
9.25E-38	-0.47858	4.17E-28	-0.3633	5.12E-16	-0.40122	1.73E-19	-0.54185	5.45E-37
1.85E-09	0.515225	5.04E-33	0.524374	2.39E-34	0.541594	5.97E-37	0.374714	5.15E-17
6.13E-09	0.432633	1.01E-22	0.49981	6.98E-31	0.544077	2.44E-37	0.489284	1.76E-29
3.54E-50	-0.43878	2.13E-23	-0.31507	3.20E-12	-0.23512	2.75E-07	-0.52037	9.20E-34
4.42E-28	0.352152	4.42E-15	0.393465	9.65E-19	0.391778	1.39E-18	0.499285	8.22E-31
6.99E-12	-0.42357	9.36E-22	-0.31331	4.28E-12	-0.37947	1.92E-17	-0.33976	4.41E-14
1.31E-30	0.374994	4.86E-17	0.333609	1.33E-13	0.218702	1.83E-06	0.413725	9.78E-21
2.35E-05	0.41211	1.43E-20	0.516514	3.30E-33	0.561906	3.20E-40	0.356803	1.82E-15
1.03E-24	-0.35613	2.07E-15	-0.34235	2.75E-14	-0.35647	1.94E-15	-0.42671	4.36E-22
3.80E-51	0.645342	2.33E-56	0.653559	3.15E-58	0.618509	1.23E-50	0.650183	1.87E-57
3.33E-41	0.560068	6.47E-40	0.538139	2.04E-36	0.441607	1.03E-23	0.574191	2.60E-42
8.52E-25	0.579517	3.03E-43	0.572734	4.65E-42	0.546074	1.18E-37	0.571494	7.62E-42
1.00E-79	0.453755	4.26E-25	0.482009	1.53E-28	0.3171	2.28E-12	0.568262	2.72E-41
2.84E-28	0.262791	8.15E-09	0.226192	7.85E-07	0.3008	3.20E-11	0.378429	2.39E-17
9.04E-18	0.528971	5.00E-35	0.561601	3.60E-40	0.495405	2.73E-30	0.490378	1.26E-29
7.61E-47	0.750498	1.11E-85	0.535248	5.66E-36	0.569967	1.39E-41	0.622229	2.13E-51
2.66E-07	0.570946	9.46E-42	0.370675	1.17E-16	0.500881	4.99E-31	0.396219	5.26E-19
4.65E-42	0.529629	3.98E-35	0.503457	2.22E-31	0.458653	1.14E-25	0.616311	3.42E-50
3.76E-21	0.58761	1.07E-44	0.583699	5.45E-44	0.558704	1.09E-39	0.585847	2.23E-44
6.71E-14	0.653557	3.15E-58	0.571104	8.89E-42	0.626977	2.21E-52	0.529362	4.37E-35
4.82E-73	0.665644	4.37E-61	0.528312	6.26E-35	0.48441	7.53E-29	0.661538	4.23E-60
6.10E-11	0.456938	1.81E-25	0.413369	1.06E-20	0.468242	8.00E-27	0.439018	2.01E-23
4.39E-30	0.535807	4.65E-36	0.445638	3.64E-24	0.505233	1.27E-31	0.53846	1.82E-36
1.20E-43	-0.34689	1.19E-14	-0.24486	8.36E-08	-0.22056	1.49E-06	-0.56435	1.25E-40
3.69E-16	0.340697	3.72E-14	0.332161	1.72E-13	0.376156	3.82E-17	0.470417	4.33E-27
4.51E-58	0.509237	3.53E-32	0.515296	4.92E-33	0.420137	2.14E-21	0.597679	1.46E-46
2.81E-54	0.647938	6.06E-57	0.595166	4.32E-46	0.553524	7.62E-39	0.703897	4.37E-71
1.19E-37	0.678424	2.94E-64	0.635386	3.60E-54	0.634668	5.14E-54	0.700322	4.39E-70
2.92E-18	0.662497	2.49E-60	0.625192	5.21E-52	0.619247	8.70E-51	0.5527	1.04E-38
2.54E-95	0.550478	2.36E-38	0.503784	2.01E-31	0.445663	3.62E-24	0.592056	1.64E-45
1.40E-19	0.370008	1.34E-16	0.396337	5.13E-19	0.428991	2.49E-22	0.496284	2.08E-30
7.34E-15	-0.43025	1.82E-22	-0.47293	2.12E-27	-0.51374	8.21E-33	-0.45934	9.42E-26
7.80E-67	0.520026	1.03E-33	0.503752	2.03E-31	0.416125	5.56E-21	0.58281	7.86E-44
4.05E-05	0.192682	2.76E-05	0.211778	3.90E-06	0.195156	2.17E-05	0.313411	4.21E-12
0.00015	-0.33912	4.96E-14	-0.38469	6.41E-18	-0.40618	5.61E-20	-0.30878	8.96E-12
4.60E-21	0.328907	3.04E-13	0.403054	1.14E-19	0.373383	6.76E-17	0.444869	4.45E-24
5.92E-75	0.380557	1.53E-17	0.358684	1.26E-15	0.296348	6.39E-11	0.631446	2.52E-53
1.04E-31	0.390574	1.81E-18	0.340752	3.68E-14	0.315422	3.02E-12	0.445265	4.01E-24
5.96E-32	0.519329	1.30E-33	0.451957	6.89E-25	0.392379	1.22E-18	0.527048	9.65E-35
5.90E-89	0.570303	1.22E-41	0.465618	1.67E-26	0.386367	4.48E-18	0.640508	2.76E-55
1.80E-55	0.457602	1.51E-25	0.487167	3.31E-29	0.436328	3.98E-23	0.631174	2.88E-53
2.45E-18	0.216663	2.29E-06	0.235304	2.69E-07	0.156257	0.0007	0.352886	3.85E-15
1.95E-31	0.439283	1.88E-23	0.385192	5.76E-18	0.331501	1.93E-13	0.400401	2.08E-19

9.45E-13	0.292501	1.15E-10	0.360587	8.72E-16	0.370551	1.20E-16	0.391735	1.41E-18
5.14E-29	0.386875	4.02E-18	0.372047	8.87E-17	0.375734	4.17E-17	0.456457	2.06E-25
3.15E-16	0.303065	2.24E-11	0.360123	9.55E-16	0.351117	5.38E-15	0.436314	3.99E-23
4.42E-52	0.48523	5.90E-29	0.519663	1.16E-33	0.439463	1.79E-23	0.579924	2.57E-43
4.25E-48	0.45133	8.14E-25	0.373861	6.13E-17	0.30182	2.72E-11	0.510747	2.17E-32
1.63E-30	0.329576	2.71E-13	0.440296	1.45E-23	0.429888	1.99E-22	0.476	8.80E-28
7.17E-27	0.22264	1.18E-06	0.253181	2.90E-08	0.260336	1.13E-08	0.434575	6.18E-23
3.80E-07	-0.38596	4.89E-18	-0.19857	1.54E-05	-0.10358	0.02519	-0.2841	4.05E-10
1.30E-10	0.269805	3.12E-09	0.328256	3.41E-13	0.330271	2.40E-13	0.455822	2.44E-25
4.30E-44	0.400608	1.98E-19	0.388674	2.73E-18	0.292901	1.08E-10	0.403993	9.23E-20
9.73E-39	0.412334	1.35E-20	0.455453	2.70E-25	0.355281	2.44E-15	0.539911	1.09E-36
1.87E-36	0.335399	9.67E-14	0.272211	2.23E-09	0.193665	2.51E-05	0.493451	4.96E-30
8.96E-30	0.558689	1.09E-39	0.427539	3.55E-22	0.421978	1.37E-21	0.378594	2.31E-17
5.93E-11	0.41295	1.17E-20	0.41346	1.04E-20	0.28238	5.20E-10	0.296154	6.58E-11
9.80E-39	0.434457	6.37E-23	0.495724	2.47E-30	0.429536	2.17E-22	0.595029	4.59E-46
9.46E-38	0.757902	2.67E-88	0.618408	1.29E-50	0.568243	2.74E-41	0.652595	5.25E-58
1.26E-24	0.385089	5.88E-18	0.447812	2.06E-24	0.362571	5.91E-16	0.706948	5.94E-72
0.02596	0.494197	3.95E-30	0.322641	8.96E-13	0.375559	4.33E-17	0.391605	1.45E-18
2.69E-40	0.285005	3.54E-10	0.228744	5.84E-07	0.245044	8.17E-08	0.465729	1.62E-26
4.52E-59	0.305326	1.56E-11	0.285187	3.45E-10	0.259133	1.33E-08	0.425466	5.90E-22
3.74E-20	0.300392	3.41E-11	0.249749	4.51E-08	0.287528	2.43E-10	0.352522	4.12E-15
3.38E-13	0.352601	4.06E-15	0.370488	1.22E-16	0.409353	2.71E-20	0.353175	3.64E-15
6.80E-20	-0.23071	4.64E-07	-0.23136	4.30E-07	-0.16407	0.00037	-0.23375	3.24E-07
2.36E-18	0.300288	3.46E-11	0.358728	1.25E-15	0.362823	5.62E-16	0.366975	2.47E-16
9.58E-36	0.410197	2.23E-20	0.392375	1.22E-18	0.376603	3.49E-17	0.409073	2.89E-20
0.00068	-0.34151	3.21E-14	-0.36056	8.77E-16	-0.37214	8.71E-17	-0.23823	1.89E-07
5.76E-08	-0.47337	1.87E-27	-0.34524	1.62E-14	-0.35278	3.93E-15	-0.23002	5.04E-07
4.77E-20	-0.31991	1.42E-12	-0.14578	0.00158	-0.01689	0.71578	-0.25967	1.24E-08
1.19E-73	0.540952	7.51E-37	0.404848	7.60E-20	0.417937	3.62E-21	0.588898	6.23E-45
0.00043	-0.23949	1.62E-07	-0.31652	2.51E-12	-0.39095	1.67E-18	-0.35083	5.69E-15
0.38126	0.332216	1.70E-13	0.319857	1.44E-12	0.430304	1.80E-22	0.186008	5.25E-05
3.69E-18	-0.36096	8.11E-16	-0.3517	4.82E-15	-0.36513	3.56E-16	-0.34406	2.01E-14
2.04E-47	0.61005	6.04E-49	0.555483	3.66E-39	0.54803	5.80E-38	0.655634	1.04E-58
7.80E-17	0.58488	3.34E-44	0.313647	4.05E-12	0.441226	1.14E-23	0.5008	5.12E-31
3.13E-86	0.424343	7.75E-22	0.489575	1.61E-29	0.339608	4.53E-14	0.529355	4.38E-35
1.62E-97	0.57487	1.98E-42	0.454474	3.51E-25	0.384677	6.42E-18	0.615	6.27E-50
1.09E-21	0.259317	1.30E-08	0.278572	9.04E-10	0.274183	1.69E-09	0.384419	6.78E-18
3.59E-05	0.229298	5.48E-07	0.073712	0.11165	0.256787	1.81E-08	0.299939	3.66E-11
6.48E-37	0.564242	1.30E-40	0.453629	4.41E-25	0.464828	2.08E-26	0.701937	1.55E-70
2.27E-08	-0.38068	1.49E-17	-0.3163	2.61E-12	-0.36836	1.87E-16	-0.33756	6.56E-14
1.31E-12	-0.49525	2.86E-30	-0.35303	3.75E-15	-0.4055	6.55E-20	-0.38732	3.66E-18
2.35E-05	0.526272	1.26E-34	0.384436	6.76E-18	0.461858	4.72E-26	0.353901	3.17E-15
9.01E-20	0.498779	9.62E-31	0.242485	1.12E-07	0.304224	1.86E-11	0.343514	2.22E-14
1.29E-51	0.494368	3.75E-30	0.458877	1.07E-25	0.378366	2.42E-17	0.56096	4.60E-40
3.49E-41	0.50464	1.53E-31	0.482206	1.44E-28	0.480065	2.70E-28	0.494721	3.37E-30

6.46E-06	-0.45839	1.22E-25	-0.27273	2.07E-09	-0.38845	2.87E-18	-0.36972	1.42E-16
2.37E-15	-0.3008	3.19E-11	-0.22027	1.54E-06	-0.2805	6.84E-10	-0.41629	5.35E-21
3.07E-14	0.426405	4.69E-22	0.309667	7.76E-12	0.43303	9.11E-23	0.354777	2.68E-15
2.92E-20	-0.19418	2.39E-05	-0.22656	7.52E-07	-0.16281	0.00041	-0.24934	4.75E-08
2.49E-18	0.419025	2.79E-21	0.398041	3.51E-19	0.450092	1.13E-24	0.401647	1.57E-19
6.75E-75	0.563487	1.74E-40	0.483474	9.93E-29	0.463894	2.69E-26	0.661975	3.32E-60
0.04276	0.364491	4.04E-16	0.357221	1.68E-15	0.385654	5.22E-18	0.315978	2.75E-12
2.63E-36	0.399979	2.28E-19	0.484555	7.21E-29	0.459964	7.94E-26	0.597809	1.38E-46
9.85E-16	0.462921	3.52E-26	0.276526	1.21E-09	0.436896	3.44E-23	0.443014	7.19E-24
9.88E-06	0.393922	8.73E-19	0.323133	8.24E-13	0.434487	6.32E-23	0.33485	1.07E-13
1.33E-46	0.408286	3.46E-20	0.341956	2.96E-14	0.199848	1.35E-05	0.49517	2.93E-30
3.90E-11	0.523542	3.17E-34	0.434644	6.08E-23	0.4994	7.93E-31	0.335235	9.96E-14
2.44E-08	0.582197	1.01E-43	0.457837	1.42E-25	0.581803	1.19E-43	0.418906	2.87E-21
6.38E-11	0.44089	1.24E-23	0.403112	1.13E-19	0.475516	1.01E-27	0.548129	5.60E-38
5.32E-44	0.606416	3.10E-48	0.458306	1.25E-25	0.396258	5.22E-19	0.581209	1.52E-43
1.92E-12	0.426116	5.03E-22	0.444951	4.35E-24	0.492992	5.71E-30	0.423536	9.43E-22
4.78E-36	0.510749	2.17E-32	0.43191	1.20E-22	0.423828	8.79E-22	0.565878	6.91E-41
5.16E-05	0.410166	2.24E-20	0.331048	2.09E-13	0.348237	9.25E-15	0.291045	1.44E-10
2.75E-21	0.42992	1.98E-22	0.350409	6.15E-15	0.334975	1.04E-13	0.409916	2.38E-20
4.05E-50	0.372092	8.79E-17	0.392847	1.10E-18	0.339916	4.29E-14	0.485894	4.85E-29
2.73E-38	0.367996	2.01E-16	0.401018	1.81E-19	0.376676	3.44E-17	0.483135	1.10E-28
1.06E-41	0.599764	5.89E-47	0.452329	6.24E-25	0.412944	1.17E-20	0.553482	7.74E-39
5.23E-41	0.512526	1.22E-32	0.536522	3.62E-36	0.530489	2.96E-35	0.606726	2.70E-48
1.84E-26	0.449227	1.42E-24	0.548655	4.62E-38	0.502237	3.26E-31	0.508685	4.21E-32
1.00E-56	0.564255	1.30E-40	0.591885	1.76E-45	0.531249	2.28E-35	0.639361	4.92E-55
1.19E-29	0.247229	6.21E-08	0.391826	1.38E-18	0.269106	3.44E-09	0.376946	3.25E-17
1.24E-67	0.716628	8.85E-75	0.643525	5.93E-56	0.542265	4.69E-37	0.696	6.83E-69
1.13E-61	0.618352	1.32E-50	0.532798	1.33E-35	0.524229	2.51E-34	0.631028	3.09E-53
3.41E-25	0.6422	1.17E-55	0.553443	7.86E-39	0.577244	7.62E-43	0.608982	9.79E-49
5.98E-28	0.630151	4.74E-53	0.531569	2.04E-35	0.553262	8.41E-39	0.58591	2.18E-44
2.26E-05	0.485565	5.35E-29	0.540645	8.38E-37	0.509254	3.51E-32	0.365563	3.27E-16
2.97E-51	0.566969	4.52E-41	0.503917	1.92E-31	0.467338	1.03E-26	0.592685	1.25E-45
2.26E-29	0.470852	3.83E-27	0.405488	6.57E-20	0.419024	2.79E-21	0.418519	3.15E-21
1.08E-13	0.352595	4.07E-15	0.410228	2.21E-20	0.420017	2.20E-21	0.361447	7.37E-16
8.81E-64	0.667804	1.30E-61	0.583367	6.25E-44	0.527428	8.47E-35	0.630465	4.07E-53
1.03E-30	0.621187	3.49E-51	0.487411	3.08E-29	0.487776	2.76E-29	0.516011	3.89E-33
3.63E-21	-0.44461	4.76E-24	-0.27237	2.18E-09	-0.28087	6.49E-10	-0.35029	6.29E-15
7.72E-24	0.294666	8.28E-11	0.229164	5.56E-07	0.212461	3.62E-06	0.372111	8.76E-17
9.81E-22	0.49149	9.01E-30	0.561314	4.02E-40	0.582648	8.40E-44	0.594508	5.74E-46
1.56E-59	0.42766	3.45E-22	0.49341	5.03E-30	0.382738	9.68E-18	0.550651	2.21E-38
1.91E-21	0.620368	5.14E-51	0.593322	9.53E-46	0.629888	5.39E-53	0.590205	3.59E-45
3.04E-41	0.540454	8.97E-37	0.545156	1.65E-37	0.513161	9.90E-33	0.634623	5.26E-54
0.00092	0.20619	7.05E-06	0.195534	2.09E-05	0.318452	1.82E-12	0.291599	1.32E-10
1.75E-14	0.43491	5.69E-23	0.401647	1.57E-19	0.338294	5.75E-14	0.261125	1.02E-08
1.57E-44	0.470887	3.79E-27	0.439886	1.61E-23	0.413398	1.06E-20	0.596624	2.31E-46

1.66E-35	0.603087	1.37E-47	0.579226	3.41E-43	0.601122	3.25E-47	0.687081	1.69E-66
3.66E-24	0.566198	6.10E-41	0.637263	1.41E-54	0.574657	2.16E-42	0.605458	4.76E-48
2.96E-37	0.372905	7.45E-17	0.437342	3.08E-23	0.40722	4.42E-20	0.458875	1.07E-25
1.86E-31	0.375216	4.64E-17	0.260738	1.07E-08	0.238884	1.75E-07	0.379205	2.03E-17
5.65E-23	0.397638	3.84E-19	0.407285	4.36E-20	0.440233	1.47E-23	0.449312	1.39E-24
4.33E-24	0.384545	6.60E-18	0.403346	1.07E-19	0.409602	2.55E-20	0.392021	1.32E-18
3.69E-28	0.619506	7.70E-51	0.47991	2.83E-28	0.538599	1.74E-36	0.542229	4.75E-37
3.50E-49	0.589386	5.07E-45	0.546267	1.10E-37	0.48841	2.28E-29	0.560579	5.32E-40
2.92E-12	0.518939	1.48E-33	0.4891	1.86E-29	0.472169	2.64E-27	0.471385	3.29E-27
2.40E-28	0.481284	1.89E-28	0.470625	4.09E-27	0.509291	3.47E-32	0.536677	3.42E-36
1.19E-49	0.473079	2.03E-27	0.426187	4.95E-22	0.383787	7.76E-18	0.522927	3.90E-34
4.18E-08	0.351779	4.75E-15	0.300172	3.53E-11	0.316952	2.34E-12	0.334255	1.19E-13
1.20E-10	0.48746	3.04E-29	0.367021	2.45E-16	0.4534	4.69E-25	0.429851	2.01E-22
5.30E-21	0.262025	9.03E-09	0.313263	4.31E-12	0.210386	4.52E-06	0.25215	3.32E-08
2.79E-15	0.391539	1.47E-18	0.327212	4.08E-13	0.364283	4.22E-16	0.434783	5.87E-23
0.03598	0.547029	8.37E-38	0.349696	7.04E-15	0.391107	1.61E-18	0.349508	7.29E-15
2.28E-42	0.257304	1.69E-08	0.230628	4.69E-07	0.12356	0.00751	0.408859	3.03E-20
1.84E-14	0.2837	4.29E-10	0.134645	0.00355	0.21525	2.68E-06	0.406802	4.87E-20
9.35E-49	0.558396	1.22E-39	0.546622	9.71E-38	0.49756	1.40E-30	0.628645	9.86E-53
0.67434	-0.28743	2.47E-10	-0.24828	5.44E-08	-0.43996	1.58E-23	-0.19683	1.83E-05
0.00016	-0.37982	1.79E-17	-0.29573	7.03E-11	-0.36783	2.08E-16	-0.41851	3.16E-21
1.91E-21	0.303732	2.01E-11	0.31	7.35E-12	0.145427	0.00163	0.372263	8.49E-17
7.46E-11	0.309002	8.64E-12	0.27641	1.23E-09	0.318297	1.87E-12	0.366769	2.57E-16
9.57E-18	0.546866	8.88E-38	0.395598	6.04E-19	0.528765	5.36E-35	0.516816	2.99E-33
1.50E-06	0.395237	6.54E-19	0.325429	5.56E-13	0.395407	6.30E-19	0.410852	1.91E-20
2.55E-50	0.487416	3.08E-29	0.456724	1.92E-25	0.456	2.33E-25	0.640094	3.40E-55
7.32E-47	0.552845	9.82E-39	0.468054	8.44E-27	0.450359	1.05E-24	0.559349	8.50E-40
3.65E-58	0.530787	2.67E-35	0.487585	2.93E-29	0.381362	1.29E-17	0.667676	1.40E-61
7.38E-22	-0.26965	3.19E-09	-0.30481	1.70E-11	-0.22264	1.18E-06	-0.44446	4.95E-24
2.30E-06	-0.47579	9.35E-28	-0.17788	0.00011	-0.23622	2.41E-07	-0.29976	3.76E-11
3.71E-28	0.527383	8.61E-35	0.412815	1.21E-20	0.463462	3.03E-26	0.477574	5.58E-28
7.80E-36	0.559816	7.12E-40	0.492793	6.07E-30	0.55701	2.06E-39	0.520992	7.46E-34
3.57E-40	0.46389	2.69E-26	0.349648	7.10E-15	0.304384	1.81E-11	0.619554	7.53E-51
1.99E-28	-0.10724	0.02046	-0.11181	0.01564	-0.13452	0.00359	-0.31886	1.70E-12
1.77E-08	0.289373	1.85E-10	0.307683	1.07E-11	0.33599	8.70E-14	0.411499	1.64E-20
7.39E-29	0.518072	1.97E-33	0.474132	1.50E-27	0.353684	3.31E-15	0.431914	1.20E-22
3.75E-29	0.650112	1.95E-57	0.560667	5.15E-40	0.50241	3.09E-31	0.522915	3.91E-34
5.58E-68	0.20569	7.43E-06	0.26313	7.78E-09	0.139238	0.00256	0.514288	6.85E-33
3.78E-16	-0.37728	3.03E-17	-0.2401	1.51E-07	-0.28988	1.71E-10	-0.33759	6.52E-14
1.14E-21	-0.24505	8.17E-08	-0.11674	0.01158	-0.0915	0.04813	-0.34597	1.41E-14
8.79E-31	0.500704	5.28E-31	0.471237	3.43E-27	0.476482	7.65E-28	0.553251	8.44E-39
6.64E-59	0.545125	1.67E-37	0.605348	5.00E-48	0.49346	4.95E-30	0.566493	5.44E-41
2.58E-06	0.303505	2.09E-11	0.209552	4.94E-06	0.282848	4.86E-10	0.371347	1.02E-16
5.28E-24	0.448736	1.62E-24	0.502224	3.28E-31	0.515026	5.38E-33	0.598007	1.27E-46
7.15E-36	0.528717	5.45E-35	0.553847	6.76E-39	0.545797	1.31E-37	0.583093	7.00E-44



0.00076	0.41498	7.28E-21	0.349611	7.15E-15	0.410324	2.16E-20	0.386777	4.10E-18
2.72E-20	0.472126	2.67E-27	0.514715	5.96E-33	0.495896	2.35E-30	0.479361	3.32E-28
5.39E-50	0.583183	6.74E-44	0.523204	3.55E-34	0.548287	5.28E-38	0.690875	1.66E-67
8.14E-09	0.130307	0.0048	0.093759	0.04285	0.155861	0.00073	0.287139	2.58E-10
1.29E-32	0.411996	1.46E-20	0.367848	2.07E-16	0.223497	1.07E-06	0.401781	1.52E-19
7.06E-12	0.397104	4.33E-19	0.338533	5.51E-14	0.359643	1.05E-15	0.327506	3.88E-13
0.00308	0.522395	4.66E-34	0.354909	2.62E-15	0.450537	1.00E-24	0.251399	3.65E-08
4.68E-29	0.560317	5.88E-40	0.475185	1.11E-27	0.526444	1.19E-34	0.512583	1.19E-32
7.48E-52	0.534625	7.04E-36	0.455866	2.42E-25	0.4104	2.12E-20	0.569357	1.77E-41
1.60E-29	0.522262	4.88E-34	0.503535	2.17E-31	0.509777	2.96E-32	0.516829	2.97E-33
2.70E-41	0.591386	2.17E-45	0.552925	9.53E-39	0.484744	6.82E-29	0.553013	9.22E-39
5.00E-40	0.64063	2.59E-55	0.554875	4.60E-39	0.569919	1.42E-41	0.664952	6.42E-61
1.87E-23	0.432704	9.89E-23	0.395584	6.06E-19	0.335589	9.35E-14	0.355085	2.53E-15
1.03E-17	0.399896	2.32E-19	0.313079	4.44E-12	0.380614	1.51E-17	0.500544	5.55E-31
1.22E-40	-0.32615	4.90E-13	-0.2176	2.07E-06	-0.01345	0.77194	-0.42777	3.36E-22
1.18E-38	0.642609	9.47E-56	0.596919	2.03E-46	0.61524	5.61E-50	0.604528	7.20E-48
1.40E-33	0.658351	2.40E-59	0.46979	5.17E-27	0.450149	1.11E-24	0.556104	2.90E-39
1.90E-34	0.404669	7.92E-20	0.410868	1.90E-20	0.299982	3.63E-11	0.525035	1.91E-34
1.05E-13	0.416775	4.77E-21	0.467323	1.04E-26	0.376694	3.42E-17	0.362932	5.50E-16
1.84E-21	0.350339	6.23E-15	0.460686	6.51E-26	0.366735	2.59E-16	0.315623	2.92E-12
2.82E-39	0.385034	5.95E-18	0.478246	4.59E-28	0.353389	3.50E-15	0.521288	6.76E-34
4.88E-28	0.572774	4.58E-42	0.415558	6.35E-21	0.337619	6.49E-14	0.333863	1.27E-13
5.14E-29	0.229777	5.18E-07	0.245698	7.53E-08	0.195693	2.05E-05	0.369417	1.51E-16
5.85E-26	0.461632	5.02E-26	0.495464	2.68E-30	0.525042	1.91E-34	0.478377	4.42E-28
1.43E-11	-0.27645	1.23E-09	-0.27735	1.08E-09	-0.27999	7.37E-10	-0.32766	3.78E-13
2.19E-57	0.574434	2.36E-42	0.514632	6.12E-33	0.416331	5.29E-21	0.645103	2.63E-56
5.40E-30	0.456029	2.31E-25	0.457311	1.63E-25	0.518739	1.58E-33	0.552739	1.02E-38
5.63E-14	0.581427	1.39E-43	0.527435	8.45E-35	0.529764	3.80E-35	0.527099	9.48E-35
3.70E-14	-0.39171	1.42E-18	-0.22427	9.78E-07	-0.23356	3.32E-07	-0.321	1.18E-12
1.20E-78	0.685103	5.57E-66	0.512379	1.28E-32	0.472673	2.28E-27	0.59793	1.31E-46
1.53E-17	-0.1275	0.00579	0.017648	0.70367	0.222401	1.21E-06	-0.18201	7.63E-05
6.19E-12	0.280492	6.85E-10	0.224794	9.21E-07	0.219777	1.62E-06	0.34347	2.24E-14
1.95E-76	0.623443	1.20E-51	0.520185	9.77E-34	0.43863	2.22E-23	0.555371	3.82E-39
0.06301	0.494875	3.21E-30	0.439375	1.83E-23	0.508924	3.90E-32	0.217984	1.98E-06
1.60E-30	0.429102	2.42E-22	0.433652	7.80E-23	0.481394	1.83E-28	0.459662	8.62E-26
1.67E-34	0.498078	1.20E-30	0.440144	1.51E-23	0.375496	4.38E-17	0.587569	1.09E-44
0.00551	0.278576	9.03E-10	0.296747	6.01E-11	0.3439	2.07E-14	0.289291	1.87E-10
6.76E-41	0.538706	1.67E-36	0.518833	1.53E-33	0.440091	1.53E-23	0.645332	2.34E-56
0.00084	-0.3762	3.79E-17	-0.26648	4.94E-09	-0.30585	1.43E-11	-0.2607	1.08E-08
1.10E-50	0.535541	5.10E-36	0.467961	8.66E-27	0.440529	1.36E-23	0.608678	1.12E-48
3.38E-11	-0.40888	3.02E-20	-0.3037	2.02E-11	-0.34697	1.17E-14	-0.39449	7.71E-19
8.36E-29	0.361774	6.91E-16	0.373257	6.93E-17	0.321709	1.05E-12	0.341344	3.31E-14
7.48E-13	-0.31462	3.45E-12	-0.21022	4.60E-06	-0.26914	3.42E-09	-0.33174	1.85E-13
3.02E-54	0.710618	5.20E-73	0.572411	5.29E-42	0.565808	7.10E-41	0.619527	7.63E-51
5.42E-58	0.664596	7.82E-61	0.533409	1.08E-35	0.451539	7.70E-25	0.641842	1.40E-55

0.00031	0.512349	1.29E-32	0.549553	3.32E-38	0.643801	5.15E-56	0.427577	3.52E-22
1.93E-46	0.415674	6.18E-21	0.34982	6.87E-15	0.223683	1.05E-06	0.499099	8.71E-31
0.00035	-0.46181	4.78E-26	-0.31172	5.55E-12	-0.37925	2.01E-17	-0.23181	4.08E-07
1.23E-35	0.282365	5.22E-10	0.321644	1.06E-12	0.239265	1.67E-07	0.381481	1.26E-17
2.84E-08	-0.33765	6.45E-14	-0.27843	9.23E-10	-0.35194	4.61E-15	-0.37901	2.11E-17
1.96E-08	-0.44093	1.23E-23	-0.31696	2.34E-12	-0.4288	2.61E-22	-0.49335	5.12E-30
3.62E-22	0.360137	9.52E-16	0.399239	2.69E-19	0.436571	3.74E-23	0.425072	6.49E-22
3.97E-66	0.458139	1.31E-25	0.465621	1.67E-26	0.385791	5.07E-18	0.545358	1.54E-37
1.22E-20	0.524155	2.58E-34	0.518851	1.52E-33	0.513033	1.03E-32	0.596077	2.92E-46
0.1387	0.176806	0.00012	0.20274	1.01E-05	0.272065	2.28E-09	0.22669	7.41E-07
0.04867	-0.36535	3.41E-16	-0.32096	1.19E-12	-0.40263	1.26E-19	-0.22794	6.41E-07
3.41E-08	-0.35085	5.66E-15	-0.29079	1.49E-10	-0.2903	1.61E-10	-0.30909	8.52E-12
3.42E-45	0.376906	3.28E-17	0.30254	2.43E-11	0.268317	3.83E-09	0.453366	4.73E-25
9.75E-26	0.619708	7.01E-51	0.492508	6.62E-30	0.493176	5.40E-30	0.483367	1.03E-28
7.06E-09	0.300428	3.39E-11	0.351863	4.67E-15	0.389775	2.15E-18	0.401172	1.75E-19
0.04037	-0.28983	1.72E-10	-0.15587	0.00072	-0.30741	1.12E-11	0.031073	0.50296
#####	0.614919	6.51E-50	0.519513	1.22E-33	0.441303	1.12E-23	0.696541	4.85E-69
0.70803	0.196642	1.87E-05	0.252541	3.15E-08	0.37573	4.18E-17	0.169957	0.00022
4.12E-38	0.371888	9.17E-17	0.35711	1.71E-15	0.206105	7.11E-06	0.503369	2.29E-31
2.25E-60	0.646064	1.60E-56	0.510145	2.63E-32	0.454813	3.21E-25	0.59312	1.04E-45
0.00163	-0.25884	1.38E-08	-0.28254	5.08E-10	-0.34148	3.23E-14	-0.23712	2.16E-07
5.14E-57	0.549004	4.06E-38	0.499994	6.59E-31	0.439989	1.57E-23	0.638671	6.97E-55
7.34E-11	0.658415	2.32E-59	0.567584	3.55E-41	0.588692	6.79E-45	0.373699	6.34E-17
8.80E-18	-0.11873	0.01023	-0.12695	0.00601	-0.10794	0.01964	-0.23103	4.47E-07
5.09E-37	0.554245	5.83E-39	0.597522	1.56E-46	0.525801	1.48E-34	0.609525	7.66E-49
0.12415	-0.29145	1.35E-10	-0.22186	1.28E-06	-0.37291	7.44E-17	-0.20762	6.07E-06
3.86E-32	0.540116	1.01E-36	0.467422	1.01E-26	0.430654	1.65E-22	0.5382	2.00E-36
2.14E-50	0.679925	1.22E-64	0.532475	1.49E-35	0.519897	1.08E-33	0.582505	8.91E-44
1.67E-41	-0.31512	3.17E-12	-0.27067	2.77E-09	-0.26268	8.27E-09	-0.42354	9.41E-22
0.22673	0.242571	1.11E-07	0.222792	1.16E-06	0.351211	5.29E-15	0.136983	0.00301
4.51E-06	-0.3986	3.10E-19	-0.35731	1.65E-15	-0.49246	6.72E-30	-0.30997	7.39E-12
5.42E-18	-0.32166	1.06E-12	-0.34084	3.63E-14	-0.36957	1.46E-16	-0.39426	8.10E-19
2.70E-32	0.460941	6.07E-26	0.538856	1.58E-36	0.479743	2.97E-28	0.526999	9.81E-35
8.61E-15	0.357992	1.44E-15	0.314991	3.24E-12	0.326132	4.92E-13	0.373861	6.13E-17
2.62E-80	0.553761	6.98E-39	0.536821	3.25E-36	0.416175	5.49E-21	0.678481	2.84E-64
1.40E-69	0.632325	1.64E-53	0.561004	4.52E-40	0.515543	4.54E-33	0.633709	8.27E-54
1.33E-21	0.463865	2.71E-26	0.373179	7.05E-17	0.26979	3.13E-09	0.340326	3.98E-14
1.19E-43	0.639029	5.82E-55	0.50462	1.54E-31	0.433911	7.31E-23	0.508764	4.10E-32
2.54E-38	0.545015	1.74E-37	0.58697	1.40E-44	0.573312	3.70E-42	0.529107	4.77E-35
1.09E-28	-0.40185	1.50E-19	-0.07319	0.1142	-0.23519	2.73E-07	-0.38037	1.59E-17
1.75E-33	0.631247	2.77E-53	0.537096	2.95E-36	0.487853	2.70E-29	0.638726	6.78E-55
1.21E-14	0.351076	5.42E-15	0.437656	2.84E-23	0.46453	2.26E-26	0.404398	8.42E-20
1.86E-32	0.342024	2.92E-14	0.337353	6.81E-14	0.212879	3.46E-06	0.386863	4.03E-18
5.71E-17	0.3118	5.48E-12	0.232344	3.83E-07	0.302648	2.39E-11	0.411116	1.80E-20
3.45E-12	0.403519	1.03E-19	0.281031	6.33E-10	0.238921	1.74E-07	0.287007	2.63E-10

4.90E-55	0.506427	8.67E-32	0.557066	2.02E-39	0.462098	4.42E-26	0.657124	4.66E-59
2.30E-47	0.571701	7.02E-42	0.428554	2.77E-22	0.457679	1.48E-25	0.498436	1.07E-30
3.05E-34	0.00593	0.8983	-0.15371	0.00086	-0.08507	0.06624	-0.34797	9.72E-15
1.89E-20	0.657162	4.57E-59	0.424806	6.93E-22	0.455951	2.36E-25	0.470961	3.71E-27
8.46E-43	-0.37471	5.15E-17	-0.25353	2.77E-08	-0.25021	4.25E-08	-0.53217	1.66E-35
1.01E-82	0.664339	9.02E-61	0.574593	2.22E-42	0.469462	5.68E-27	0.638746	6.71E-55
4.16E-33	0.303166	2.20E-11	0.284573	3.77E-10	0.167685	0.00027	0.566769	4.88E-41
2.55E-09	-0.26845	3.76E-09	-0.36761	2.17E-16	-0.42451	7.45E-22	-0.35431	2.94E-15
1.62E-08	0.59559	3.60E-46	0.477654	5.45E-28	0.479578	3.12E-28	0.379333	1.98E-17
2.80E-06	0.501145	4.60E-31	0.408147	3.57E-20	0.59234	1.45E-45	0.460758	6.39E-26
0.00293	-0.51937	1.28E-33	-0.42506	6.52E-22	-0.57466	2.16E-42	-0.38406	7.32E-18
1.31E-10	0.458814	1.09E-25	0.578442	4.69E-43	0.550743	2.14E-38	0.468644	7.15E-27
8.87E-40	-0.52386	2.84E-34	-0.3638	4.64E-16	-0.37154	9.84E-17	-0.55587	3.17E-39
0.02827	-0.31634	2.59E-12	-0.35644	1.95E-15	-0.39714	4.29E-19	-0.40113	1.76E-19
3.99E-32	0.574969	1.91E-42	0.47732	6.01E-28	0.502206	3.30E-31	0.46425	2.44E-26
9.16E-12	0.622011	2.37E-51	0.459768	8.37E-26	0.535526	5.13E-36	0.442494	8.23E-24
1.76E-27	0.586064	2.04E-44	0.550493	2.35E-38	0.536664	3.44E-36	0.571886	6.52E-42
1.27E-30	0.570302	1.22E-41	0.598616	9.71E-47	0.520454	8.93E-34	0.545366	1.53E-37
9.82E-52	0.601202	3.13E-47	0.574964	1.91E-42	0.588393	7.70E-45	0.593317	9.56E-46
3.85E-55	0.596024	2.99E-46	0.515154	5.16E-33	0.462387	4.08E-26	0.640266	3.12E-55
6.73E-21	0.386317	4.53E-18	0.253751	2.69E-08	0.219784	1.62E-06	0.29736	5.46E-11
3.05E-14	0.43841	2.34E-23	0.487494	3.01E-29	0.436962	3.39E-23	0.399287	2.66E-19
7.82E-09	-0.45717	1.70E-25	-0.35663	1.88E-15	-0.48392	8.70E-29	-0.33712	7.10E-14
1.26E-13	0.389869	2.11E-18	0.340322	3.98E-14	0.409065	2.89E-20	0.371563	9.79E-17
4.28E-09	-0.28444	3.85E-10	-0.34911	7.85E-15	-0.36748	2.23E-16	-0.29541	7.39E-11
5.03E-15	0.450813	9.33E-25	0.215839	2.51E-06	0.286294	2.93E-10	0.289749	1.75E-10
5.48E-49	0.644711	3.22E-56	0.461168	5.71E-26	0.431536	1.32E-22	0.5915	2.07E-45
1.33E-24	-0.34985	6.84E-15	-0.27134	2.52E-09	-0.28705	2.61E-10	-0.40676	4.92E-20
9.73E-25	-0.44549	3.79E-24	-0.43879	2.13E-23	-0.37393	6.04E-17	-0.36667	2.62E-16
6.92E-06	0.359075	1.17E-15	0.292667	1.12E-10	0.245348	7.87E-08	0.310225	7.09E-12
6.92E-60	0.555587	3.52E-39	0.524944	1.97E-34	0.475153	1.12E-27	0.587808	9.84E-45
9.82E-24	0.416276	5.36E-21	0.465678	1.64E-26	0.405813	6.10E-20	0.520573	8.58E-34
2.73E-63	0.472489	2.41E-27	0.459766	8.38E-26	0.427973	3.19E-22	0.505991	9.96E-32
1.14E-88	0.456977	1.79E-25	0.454678	3.33E-25	0.370779	1.15E-16	0.630596	3.81E-53
1.66E-27	0.652855	4.57E-58	0.607983	1.54E-48	0.593164	1.02E-45	0.619846	6.57E-51
4.54E-63	0.573934	2.88E-42	0.512665	1.16E-32	0.470215	4.59E-27	0.686522	2.37E-66
4.52E-13	-0.4423	8.65E-24	-0.40767	3.98E-20	-0.33491	1.05E-13	-0.33881	5.24E-14
#####	0.439499	1.78E-23	0.398537	3.15E-19	0.302331	2.51E-11	0.618295	1.36E-50
1.57E-20	-0.3023	2.52E-11	-0.25582	2.06E-08	-0.26871	3.63E-09	-0.30484	1.69E-11
2.41E-23	0.752792	1.76E-86	0.502298	3.20E-31	0.54495	1.78E-37	0.542906	3.73E-37
4.33E-59	0.43383	7.46E-23	0.464379	2.35E-26	0.377682	2.79E-17	0.61066	4.58E-49
6.55E-26	0.664684	7.45E-61	0.611956	2.54E-49	0.588845	6.37E-45	0.566985	4.49E-41
3.67E-12	0.382653	9.86E-18	0.384286	6.98E-18	0.327019	4.22E-13	0.385813	5.04E-18
3.26E-22	-0.56452	1.17E-40	-0.41881	2.94E-21	-0.4802	2.60E-28	-0.52526	1.77E-34
2.30E-32	-0.41554	6.38E-21	-0.21428	2.97E-06	-0.22584	8.17E-07	-0.53682	3.26E-36

1.92E-29	-0.2168	2.26E-06	-0.11038	0.01702	0.03586	0.43945	-0.3125	4.89E-12
5.35E-34	0.514508	6.38E-33	0.391451	1.50E-18	0.445987	3.32E-24	0.522846	4.01E-34
3.22E-05	0.27224	2.22E-09	0.278243	9.48E-10	0.281736	5.72E-10	0.208824	5.34E-06
3.48E-40	0.655918	8.92E-59	0.495421	2.71E-30	0.46155	5.14E-26	0.564236	1.31E-40
7.40E-35	0.605487	4.70E-48	0.487865	2.69E-29	0.525646	1.55E-34	0.539657	1.19E-36
1.01E-30	0.40252	1.29E-19	0.27868	8.90E-10	0.211146	4.17E-06	0.405645	6.34E-20
1.47E-57	0.723004	1.05E-76	0.558572	1.14E-39	0.560883	4.74E-40	0.618844	1.05E-50
0.00282	0.350437	6.12E-15	0.33224	1.69E-13	0.318308	1.86E-12	0.235368	2.67E-07
1.13E-34	0.430599	1.67E-22	0.484121	8.20E-29	0.398308	3.31E-19	0.565865	6.94E-41
1.26E-52	0.618955	9.98E-51	0.527519	8.22E-35	0.468101	8.32E-27	0.557785	1.54E-39
0.00082	0.587577	1.08E-44	0.610815	4.26E-49	0.58816	8.49E-45	0.503293	2.34E-31
2.42E-45	0.482425	1.35E-28	0.350287	6.29E-15	0.277316	1.08E-09	0.436351	3.95E-23
5.15E-86	0.535571	5.05E-36	0.523676	3.03E-34	0.421907	1.40E-21	0.620121	5.77E-51
4.18E-26	0.348347	9.06E-15	0.375389	4.48E-17	0.269895	3.08E-09	0.3801	1.69E-17
1.27E-30	0.381468	1.27E-17	0.334902	1.06E-13	0.35204	4.52E-15	0.452622	5.77E-25
0.00096	0.368237	1.92E-16	0.280245	7.10E-10	0.438063	2.56E-23	0.267641	4.21E-09
2.08E-11	0.475243	1.09E-27	0.267067	4.55E-09	0.218968	1.78E-06	0.324148	6.92E-13
1.28E-12	0.227611	6.66E-07	0.293039	1.06E-10	0.276622	1.20E-09	0.265	6.04E-09
8.83E-22	-0.20138	1.16E-05	-0.20387	8.97E-06	-0.18065	8.65E-05	-0.27959	7.80E-10
5.63E-40	0.565838	7.02E-41	0.470964	3.71E-27	0.512964	1.06E-32	0.6169	2.60E-50
2.83E-15	-0.38245	1.03E-17	-0.19072	3.35E-05	-0.18881	4.02E-05	-0.35873	1.25E-15
1.13E-09	0.495147	2.95E-30	0.138954	0.00262	0.313834	3.92E-12	0.28001	7.35E-10
6.06E-44	0.608768	1.08E-48	0.480625	2.30E-28	0.485035	6.26E-29	0.54201	5.14E-37
2.01E-72	0.464175	2.49E-26	0.379972	1.73E-17	0.305611	1.49E-11	0.575593	1.48E-42
9.97E-29	0.359029	1.18E-15	0.428476	2.82E-22	0.341756	3.07E-14	0.438103	2.53E-23
2.23E-19	-0.15975	0.00053	-0.0556	0.23046	-0.08958	0.05305	-0.20197	1.09E-05
3.27E-66	0.570083	1.33E-41	0.457759	1.45E-25	0.385971	4.88E-18	0.545695	1.36E-37
1.21E-22	0.40575	6.19E-20	0.451415	7.96E-25	0.377665	2.80E-17	0.519863	1.09E-33
1.30E-65	0.681632	4.44E-65	0.532174	1.65E-35	0.475019	1.17E-27	0.661205	5.07E-60
6.20E-10	0.665193	5.61E-61	0.50203	3.48E-31	0.571576	7.37E-42	0.480086	2.69E-28
1.74E-65	0.465293	1.83E-26	0.377467	2.92E-17	0.250813	3.94E-08	0.444256	5.22E-24
7.53E-05	0.361422	7.40E-16	0.301819	2.72E-11	0.30606	1.39E-11	0.397626	3.85E-19
1.61E-08	0.370233	1.28E-16	0.373739	6.28E-17	0.444458	4.95E-24	0.375716	4.19E-17
1.38E-54	0.374693	5.17E-17	0.377134	3.12E-17	0.289535	1.80E-10	0.532781	1.34E-35
1.22E-35	0.334748	1.09E-13	0.358245	1.38E-15	0.355217	2.47E-15	0.478626	4.11E-28
1.91E-14	0.399835	2.36E-19	0.373147	7.09E-17	0.326566	4.57E-13	0.260865	1.06E-08
7.95E-46	0.55029	2.53E-38	0.516806	3.00E-33	0.444197	5.30E-24	0.617459	2.01E-50
1.71E-52	0.58241	9.27E-44	0.505856	1.04E-31	0.486672	3.84E-29	0.631593	2.34E-53
6.12E-30	0.504108	1.81E-31	0.462173	4.33E-26	0.389901	2.10E-18	0.496037	2.25E-30
2.12E-15	0.541764	5.62E-37	0.502585	2.93E-31	0.4987	9.86E-31	0.408928	2.98E-20
2.37E-66	0.668538	8.62E-62	0.570616	1.08E-41	0.530703	2.75E-35	0.644121	4.37E-56
1.17E-58	0.437712	2.80E-23	0.411691	1.57E-20	0.387829	3.28E-18	0.613261	1.40E-49
2.42E-39	0.4164	5.21E-21	0.488594	2.16E-29	0.468145	8.22E-27	0.498533	1.04E-30
4.99E-20	0.578749	4.14E-43	0.533302	1.12E-35	0.517954	2.05E-33	0.466807	1.20E-26
1.19E-23	0.548776	4.42E-38	0.44792	2.00E-24	0.433183	8.77E-23	0.424653	7.19E-22

3.78E-25	-0.33235	1.66E-13	-0.24115	1.32E-07	-0.246	7.25E-08	-0.4016	1.59E-19
3.99E-20	0.243377	1.01E-07	0.185216	5.66E-05	0.150086	0.00114	0.194832	2.24E-05
5.51E-30	0.557935	1.45E-39	0.548247	5.36E-38	0.476999	6.59E-28	0.582547	8.76E-44
1.03E-10	0.411065	1.82E-20	0.304411	1.81E-11	0.373349	6.81E-17	0.3192	1.60E-12
4.16E-45	0.451991	6.82E-25	0.410248	2.20E-20	0.352501	4.14E-15	0.632454	1.54E-53
1.36E-60	0.478487	4.28E-28	0.434656	6.06E-23	0.38515	5.81E-18	0.621718	2.72E-51
3.89E-34	0.560958	4.61E-40	0.529693	3.90E-35	0.508192	4.93E-32	0.581597	1.29E-43
1.92E-37	0.655563	1.08E-58	0.53393	8.97E-36	0.57259	4.93E-42	0.63711	1.52E-54
4.82E-31	0.448084	1.92E-24	0.49655	1.92E-30	0.469217	6.08E-27	0.522502	4.50E-34
5.27E-15	0.413527	1.02E-20	0.408231	3.50E-20	0.501155	4.58E-31	0.401856	1.50E-19
1.07E-21	0.362015	6.59E-16	0.29149	1.34E-10	0.340497	3.86E-14	0.409122	2.85E-20
1.60E-36	0.66233	2.73E-60	0.656248	7.47E-59	0.591936	1.72E-45	0.570941	9.48E-42
5.17E-71	0.640324	3.02E-55	0.491052	1.03E-29	0.389733	2.17E-18	0.565391	8.35E-41
2.78E-29	0.55794	1.45E-39	0.536883	3.18E-36	0.520634	8.41E-34	0.624537	7.12E-52
2.00E-11	0.348116	9.46E-15	0.374296	5.61E-17	0.310409	6.88E-12	0.330276	2.39E-13
1.08E-51	0.689419	4.05E-67	0.592453	1.38E-45	0.492747	6.15E-30	0.659264	1.46E-59
2.64E-44	0.728119	2.72E-78	0.643329	6.55E-56	0.647368	8.16E-57	0.676849	7.38E-64
8.77E-29	0.572935	4.30E-42	0.595566	3.64E-46	0.519035	1.43E-33	0.534325	7.82E-36
4.72E-12	-0.257	1.76E-08	-0.11207	0.01539	-0.26048	1.11E-08	-0.30736	1.13E-11
2.87E-46	0.530172	3.30E-35	0.514318	6.78E-33	0.471091	3.58E-27	0.578861	3.96E-43
1.53E-30	0.640561	2.68E-55	0.611067	3.80E-49	0.581347	1.43E-43	0.542113	4.95E-37
3.26E-18	0.57164	7.19E-42	0.508487	4.49E-32	0.577277	7.52E-43	0.513879	7.83E-33
9.84E-37	0.588918	6.17E-45	0.506686	7.98E-32	0.511174	1.89E-32	0.614887	6.61E-50
9.99E-32	0.594101	6.83E-46	0.525853	1.45E-34	0.600166	4.94E-47	0.607708	1.74E-48
5.71E-05	-0.37902	2.11E-17	0.027831	0.54855	-0.22956	5.31E-07	-0.15291	0.00092
5.12E-19	0.476914	6.76E-28	0.467063	1.11E-26	0.457789	1.44E-25	0.331602	1.90E-13
9.97E-29	0.597764	1.41E-46	0.524709	2.14E-34	0.503638	2.10E-31	0.51564	4.40E-33
2.12E-13	0.448926	1.54E-24	0.381183	1.34E-17	0.478207	4.65E-28	0.47049	4.24E-27
1.88E-26	0.52589	1.43E-34	0.573159	3.93E-42	0.493015	5.67E-30	0.488425	2.27E-29
4.02E-23	0.551872	1.41E-38	0.489857	1.48E-29	0.460789	6.33E-26	0.496108	2.20E-30
1.89E-61	0.571366	8.01E-42	0.549832	2.99E-38	0.478315	4.50E-28	0.62516	5.29E-52
4.79E-34	0.286718	2.75E-10	0.294745	8.18E-11	0.217003	2.21E-06	0.544475	2.12E-37
1.09E-51	0.621924	2.47E-51	0.576628	9.78E-43	0.466105	1.46E-26	0.48467	6.97E-29
3.49E-64	0.480758	2.21E-28	0.317098	2.28E-12	0.245239	7.98E-08	0.586049	2.05E-44
3.43E-28	0.511632	1.63E-32	0.430325	1.79E-22	0.392182	1.28E-18	0.503657	2.09E-31
8.04E-06	-0.45319	4.95E-25	-0.42816	3.05E-22	-0.51941	1.26E-33	-0.34892	8.13E-15
3.32E-26	0.255169	2.24E-08	0.250051	4.34E-08	0.179423	9.67E-05	0.417147	4.36E-21
4.87E-49	0.739467	6.07E-82	0.547744	6.44E-38	0.560416	5.66E-40	0.647708	6.84E-57
1.39E-07	-0.41068	1.99E-20	-0.31953	1.52E-12	-0.38136	1.29E-17	-0.34429	1.92E-14
1.78E-21	-0.34395	2.05E-14	-0.33691	7.38E-14	-0.37168	9.57E-17	-0.40579	6.13E-20
2.32E-29	0.483265	1.06E-28	0.398271	3.34E-19	0.390122	2.00E-18	0.42198	1.37E-21
9.93E-55	0.625109	5.41E-52	0.435925	4.40E-23	0.461303	5.50E-26	0.536008	4.33E-36
3.86E-28	0.568871	2.14E-41	0.539724	1.16E-36	0.458538	1.17E-25	0.465882	1.55E-26
3.35E-12	0.572067	6.07E-42	0.504717	1.49E-31	0.466292	1.38E-26	0.356339	1.99E-15
0.34026	0.374419	5.47E-17	0.358389	1.34E-15	0.442809	7.59E-24	0.278128	9.63E-10

1.03E-11	0.300276	3.47E-11	0.285105	3.49E-10	0.332897	1.51E-13	0.305239	1.58E-11
4.96E-21	0.515475	4.64E-33	0.581442	1.38E-43	0.510008	2.75E-32	0.46864	7.16E-27
4.51E-11	0.428476	2.82E-22	0.518532	1.69E-33	0.411319	1.72E-20	0.303108	2.22E-11
3.42E-33	0.583407	6.14E-44	0.595398	3.91E-46	0.568389	2.59E-41	0.590499	3.17E-45
1.58E-70	0.712377	1.60E-73	0.515695	4.32E-33	0.525636	1.56E-34	0.625222	5.13E-52
1.02E-25	0.48283	1.20E-28	0.539147	1.43E-36	0.489906	1.46E-29	0.547509	7.02E-38
3.39E-34	0.616673	2.89E-50	0.526972	9.90E-35	0.458986	1.04E-25	0.569784	1.50E-41
6.14E-07	0.512283	1.32E-32	0.615291	5.48E-50	0.535672	4.88E-36	0.481776	1.64E-28
0.1738	0.498312	1.11E-30	0.466137	1.44E-26	0.534764	6.70E-36	0.142375	0.00204
3.64E-16	0.679673	1.41E-64	0.71364	6.79E-74	0.729521	9.84E-79	0.606379	3.16E-48
4.66E-29	0.296215	6.52E-11	0.354663	2.74E-15	0.341955	2.96E-14	0.462185	4.32E-26
4.51E-22	0.695591	8.82E-69	0.616743	2.80E-50	0.634151	6.65E-54	0.578116	5.36E-43
7.37E-48	0.776286	3.11E-95	0.54925	3.71E-38	0.501456	4.17E-31	0.638793	6.55E-55
2.48E-30	0.654585	1.82E-58	0.619084	9.39E-51	0.57412	2.68E-42	0.637983	9.85E-55
1.24E-46	0.313718	4.00E-12	0.472	2.77E-27	0.394011	8.56E-19	0.540978	7.44E-37
1.31E-31	0.741579	1.21E-82	0.571128	8.81E-42	0.55073	2.15E-38	0.600167	4.93E-47
4.01E-13	0.597536	1.55E-46	0.353153	3.66E-15	0.344824	1.74E-14	0.463465	3.03E-26
1.28E-34	0.642653	9.26E-56	0.664201	9.73E-61	0.621108	3.63E-51	0.617538	1.93E-50
5.54E-14	0.579204	3.44E-43	0.455973	2.35E-25	0.457774	1.44E-25	0.403646	9.99E-20
1.15E-20	0.672821	7.56E-63	0.580475	2.05E-43	0.578803	4.05E-43	0.584063	4.69E-44
1.26E-21	0.635264	3.83E-54	0.676844	7.40E-64	0.663464	1.46E-60	0.512368	1.28E-32
1.78E-41	0.586277	1.87E-44	0.6004	4.46E-47	0.601759	2.45E-47	0.676166	1.10E-63
4.62E-21	0.68202	3.52E-65	0.687887	1.03E-66	0.562748	2.32E-40	0.454781	3.24E-25
3.40E-07	0.534322	7.82E-36	0.414978	7.28E-21	0.399033	2.82E-19	0.401537	1.61E-19
1.61E-07	0.474269	1.45E-27	0.660703	6.67E-60	0.555462	3.69E-39	0.253453	2.80E-08
3.05E-19	0.747522	1.19E-84	0.520481	8.85E-34	0.571177	8.63E-42	0.485343	5.71E-29
1.38E-50	0.611139	3.68E-49	0.580099	2.39E-43	0.491543	8.87E-30	0.556388	2.61E-39
7.13E-23	0.648632	4.22E-57	0.647334	8.30E-57	0.600665	3.97E-47	0.528088	6.76E-35
0.00096	0.420575	1.93E-21	0.565252	8.81E-41	0.490154	1.35E-29	0.388836	2.64E-18
5.93E-26	0.523762	2.94E-34	0.462662	3.78E-26	0.384405	6.80E-18	0.480168	2.62E-28
3.36E-27	-0.31163	5.63E-12	-0.2574	1.67E-08	-0.33677	7.56E-14	-0.44186	9.69E-24
1.51E-06	0.411095	1.81E-20	0.413706	9.82E-21	0.479212	3.47E-28	0.253793	2.68E-08
1.86E-22	0.450948	9.00E-25	0.313567	4.10E-12	0.343109	2.39E-14	0.501755	3.80E-31
6.73E-21	0.574113	2.68E-42	0.536087	4.21E-36	0.455117	2.96E-25	0.448166	1.88E-24
2.53E-49	0.6338	7.91E-54	0.554551	5.20E-39	0.532831	1.32E-35	0.618293	1.36E-50
0.06602	0.645926	1.72E-56	0.432571	1.02E-22	0.574032	2.77E-42	0.293158	1.04E-10
2.14E-38	0.595884	3.17E-46	0.407388	4.25E-20	0.510074	2.69E-32	0.49588	2.36E-30
0.00026	0.478899	3.80E-28	0.568974	2.06E-41	0.500841	5.06E-31	0.29901	4.23E-11
2.02E-28	0.607456	1.95E-48	0.452074	6.67E-25	0.414172	8.81E-21	0.608993	9.74E-49
1.99E-46	0.690083	2.70E-67	0.539056	1.48E-36	0.484307	7.76E-29	0.559919	6.84E-40
5.13E-09	0.54012	1.01E-36	0.508167	4.97E-32	0.483009	1.14E-28	0.414919	7.39E-21
0.01532	0.458759	1.10E-25	0.422722	1.15E-21	0.453365	4.73E-25	0.34838	9.00E-15
1.19E-21	0.430645	1.65E-22	0.517757	2.19E-33	0.424704	7.10E-22	0.428774	2.62E-22
4.03E-41	0.725192	2.22E-77	0.624701	6.58E-52	0.597754	1.41E-46	0.65838	2.36E-59
5.37E-07	0.468396	7.66E-27	0.457002	1.78E-25	0.430581	1.68E-22	0.266973	4.61E-09

0.00012	0.630294	4.42E-53	0.569261	1.84E-41	0.573403	3.57E-42	0.324805	6.19E-13
5.59E-07	0.613517	1.24E-49	0.494491	3.61E-30	0.502544	2.96E-31	0.455379	2.75E-25
4.70E-42	0.69428	2.01E-68	0.569108	1.95E-41	0.537365	2.69E-36	0.651715	8.36E-58
2.65E-43	0.549649	3.20E-38	0.439792	1.65E-23	0.377409	2.95E-17	0.460862	6.21E-26
0.00439	0.485459	5.52E-29	0.556588	2.42E-39	0.616921	2.58E-50	0.415906	5.85E-21
1.09E-20	0.669319	5.55E-62	0.654368	2.04E-58	0.629404	6.82E-53	0.575916	1.30E-42
4.94E-20	0.618675	1.14E-50	0.636057	2.58E-54	0.582731	8.12E-44	0.49389	4.34E-30
6.57E-35	-0.43967	1.70E-23	-0.23606	2.46E-07	-0.22468	9.33E-07	-0.44125	1.13E-23
1.65E-29	0.577879	5.90E-43	0.5538	6.88E-39	0.507953	5.32E-32	0.66126	4.92E-60
1.47E-17	0.401168	1.75E-19	0.607625	1.80E-48	0.548398	5.07E-38	0.455665	2.55E-25
9.63E-20	0.384119	7.23E-18	0.507802	5.59E-32	0.361755	6.94E-16	0.446596	2.83E-24
3.39E-16	0.690556	2.02E-67	0.630077	4.91E-53	0.623419	1.21E-51	0.45039	1.04E-24
2.51E-10	0.5215	6.30E-34	0.495842	2.39E-30	0.512544	1.21E-32	0.329561	2.71E-13
1.45E-11	0.521764	5.76E-34	0.635157	4.04E-54	0.579772	2.73E-43	0.453173	4.98E-25
7.03E-29	0.778775	3.18E-96	0.630832	3.40E-53	0.677123	6.29E-64	0.625058	5.55E-52
7.62E-35	0.634093	6.84E-54	0.534246	8.03E-36	0.512442	1.25E-32	0.583612	5.65E-44
5.70E-13	0.455724	2.51E-25	0.556533	2.47E-39	0.438077	2.55E-23	0.421259	1.63E-21
4.29E-53	0.62349	1.17E-51	0.679275	1.79E-64	0.559347	8.51E-40	0.623202	1.35E-51
5.13E-49	0.775365	7.17E-95	0.515976	3.94E-33	0.537217	2.83E-36	0.59294	1.12E-45
3.76E-13	0.491979	7.77E-30	0.536546	3.59E-36	0.514	7.53E-33	0.511959	1.46E-32
0.00253	0.602642	1.66E-47	0.541551	6.06E-37	0.664479	8.34E-61	0.386602	4.26E-18
2.64E-12	0.511763	1.56E-32	0.669657	4.58E-62	0.511603	1.64E-32	0.48351	9.83E-29
4.65E-21	0.454457	3.53E-25	0.578658	4.30E-43	0.522965	3.85E-34	0.453142	5.02E-25
1.05E-11	0.646967	1.00E-56	0.526392	1.21E-34	0.508791	4.07E-32	0.350638	5.89E-15
4.09E-33	0.475731	9.51E-28	0.549607	3.25E-38	0.431125	1.47E-22	0.439869	1.62E-23
2.04E-21	0.408573	3.24E-20	0.40783	3.84E-20	0.343935	2.06E-14	0.455242	2.86E-25
1.45E-46	-0.22262	1.18E-06	-0.14816	0.00132	-0.12157	0.00854	-0.41574	6.09E-21
2.08E-23	-0.31666	2.46E-12	-0.13872	0.00266	-0.21834	1.90E-06	-0.42604	5.13E-22
1.12E-16	0.655184	1.32E-58	0.67175	1.39E-62	0.648654	4.18E-57	0.526652	1.10E-34
1.90E-07	0.516805	3.00E-33	0.511789	1.55E-32	0.493366	5.09E-30	0.366207	2.88E-16
3.54E-22	0.315121	3.17E-12	0.407499	4.15E-20	0.240982	1.35E-07	0.326647	4.50E-13
1.71E-33	0.659658	1.18E-59	0.573872	2.96E-42	0.520999	7.44E-34	0.583582	5.72E-44
3.97E-28	0.578777	4.09E-43	0.52105	7.32E-34	0.515177	5.12E-33	0.440743	1.29E-23
4.21E-18	0.580888	1.73E-43	0.61625	3.52E-50	0.562557	2.49E-40	0.543996	2.52E-37
1.48E-34	-0.47089	3.79E-27	-0.16644	0.0003	-0.22913	5.59E-07	-0.33246	1.63E-13
1.40E-14	0.509463	3.28E-32	0.384601	6.53E-18	0.354688	2.73E-15	0.420897	1.78E-21
9.07E-30	0.542998	3.61E-37	0.556994	2.08E-39	0.478368	4.43E-28	0.609285	8.53E-49
1.40E-37	0.709696	9.62E-73	0.64495	2.85E-56	0.683775	1.24E-65	0.646928	1.03E-56
4.15E-54	0.387706	3.36E-18	0.41624	5.41E-21	0.335045	1.03E-13	0.490923	1.07E-29
8.60E-15	-0.20261	1.02E-05	-0.1418	0.00213	-0.1954	2.12E-05	-0.30625	1.35E-11
6.89E-66	0.613136	1.48E-49	0.615968	4.01E-50	0.530032	3.47E-35	0.67371	4.54E-63
1.04E-16	0.489314	1.74E-29	0.466439	1.33E-26	0.450368	1.05E-24	0.435007	5.55E-23
1.36E-13	0.457777	1.44E-25	0.561797	3.34E-40	0.477446	5.79E-28	0.385203	5.74E-18
0.39866	0.479423	3.26E-28	0.466185	1.42E-26	0.604671	6.76E-48	0.17195	0.00019
1.34E-10	0.586734	1.54E-44	0.447471	2.25E-24	0.562849	2.23E-40	0.451198	8.43E-25

1.01E-09	0.343356	2.29E-14	0.384763	6.31E-18	0.450006	1.16E-24	0.432364	1.08E-22
6.14E-15	0.509414	3.33E-32	0.636728	1.85E-54	0.514839	5.72E-33	0.495604	2.57E-30
9.84E-18	0.364328	4.18E-16	0.469269	5.99E-27	0.33126	2.01E-13	0.375063	4.79E-17
6.77E-05	0.538245	1.97E-36	0.494133	4.03E-30	0.543785	2.71E-37	0.438755	2.15E-23
7.04E-16	0.481897	1.58E-28	0.477793	5.24E-28	0.448828	1.58E-24	0.470472	4.27E-27
0.07051	0.397441	4.02E-19	0.329665	2.66E-13	0.486722	3.79E-29	0.224482	9.55E-07
8.21E-06	0.449917	1.18E-24	0.435853	4.48E-23	0.510632	2.25E-32	0.368775	1.72E-16
4.34E-39	0.689154	4.77E-67	0.512562	1.20E-32	0.568025	2.99E-41	0.613032	1.55E-49
0.15205	0.386832	4.06E-18	0.322417	9.31E-13	0.475104	1.14E-27	0.290757	1.50E-10
6.82E-24	0.455061	3.00E-25	0.501719	3.84E-31	0.413757	9.71E-21	0.425524	5.82E-22
4.93E-28	0.624848	6.14E-52	0.512781	1.12E-32	0.399292	2.66E-19	0.468706	7.02E-27
1.56E-18	0.579946	2.54E-43	0.630791	3.47E-53	0.472439	2.44E-27	0.480954	2.08E-28
0.00335	0.365415	3.37E-16	0.501545	4.06E-31	0.459604	8.76E-26	0.276857	1.16E-09
3.76E-12	0.384495	6.67E-18	0.328249	3.41E-13	0.322242	9.59E-13	0.340866	3.61E-14
7.39E-10	0.565343	8.50E-41	0.511276	1.83E-32	0.553993	6.40E-39	0.435255	5.21E-23
2.63E-67	0.631341	2.65E-53	0.517645	2.27E-33	0.461875	4.70E-26	0.655911	8.95E-59
2.94E-31	0.443006	7.21E-24	0.567964	3.06E-41	0.369718	1.42E-16	0.348523	8.77E-15
1.46E-18	0.547148	8.01E-38	0.453976	4.02E-25	0.282568	5.06E-10	0.462753	3.69E-26
2.02E-10	0.549042	4.00E-38	0.584496	3.92E-44	0.488664	2.12E-29	0.359868	1.00E-15
1.18E-12	0.416421	5.18E-21	0.576931	8.65E-43	0.485259	5.85E-29	0.404498	8.23E-20
2.76E-06	0.540804	7.92E-37	0.416467	5.13E-21	0.514042	7.43E-33	0.263924	6.99E-09
1.39E-32	-0.31566	2.90E-12	-0.05776	0.21283	-0.13366	0.00381	-0.36408	4.38E-16
8.49E-25	0.693488	3.29E-68	0.618938	1.01E-50	0.647928	6.10E-57	0.557183	1.93E-39
1.79E-14	-0.2517	3.51E-08	-0.20797	5.84E-06	-0.1791	9.96E-05	-0.18292	7.01E-05
0.00042	0.509511	3.23E-32	0.546385	1.06E-37	0.65191	7.54E-58	0.407333	4.31E-20
7.64E-11	0.569148	1.92E-41	0.513539	8.75E-33	0.449169	1.44E-24	0.390938	1.67E-18
0.0007	0.616412	3.26E-50	0.655915	8.94E-59	0.639345	4.96E-55	0.384649	6.46E-18
8.26E-40	0.538933	1.54E-36	0.483885	8.80E-29	0.387807	3.29E-18	0.581528	1.33E-43
9.95E-31	0.515723	4.28E-33	0.489796	1.50E-29	0.361684	7.03E-16	0.512663	1.16E-32
4.57E-37	0.502644	2.87E-31	0.362637	5.83E-16	0.331049	2.09E-13	0.493357	5.11E-30
2.00E-13	0.353558	3.39E-15	0.507574	6.01E-32	0.526211	1.28E-34	0.466449	1.32E-26
2.09E-33	0.515915	4.02E-33	0.621718	2.72E-51	0.599336	7.10E-47	0.612982	1.59E-49
4.84E-24	0.56088	4.74E-40	0.589946	4.00E-45	0.607584	1.84E-48	0.571285	8.27E-42
7.41E-34	0.685664	3.97E-66	0.623903	9.63E-52	0.609249	8.68E-49	0.63483	4.75E-54
1.53E-08	0.227456	6.78E-07	0.268012	4.00E-09	0.245706	7.52E-08	0.286	3.06E-10
3.70E-06	0.224339	9.70E-07	0.201791	1.11E-05	0.19207	2.93E-05	0.141092	0.00224
0.00124	0.065774	0.15587	0.090638	0.05029	0.089197	0.05407	0.126939	0.00602
0.06334	0.011243	0.80853	-0.09142	0.04833	0.010164	0.82661	-0.07836	0.09074
2.42E-19	-0.23829	1.88E-07	-0.31597	2.75E-12	-0.15506	0.00077	-0.22965	5.26E-07
2.94E-13	0.128912	0.00527	0.174408	0.00015	0.078196	0.09143	0.201807	1.11E-05
0.27808	-0.0387	0.40406	-0.0561	0.2263	-0.08276	0.074	-0.07098	0.12558
0.011	0.04317	0.35193	0.000243	0.99583	0.007668	0.86874	-0.01696	0.71469
0.03567	0.086724	0.06112	-0.01365	0.76855	-0.03549	0.44413	-0.10719	0.02051
1.53E-06	0.221476	1.34E-06	0.167719	0.00027	0.159789	0.00053	0.084905	0.06677
1.13E-05	0.225824	8.19E-07	0.219989	1.59E-06	0.160991	0.00048	0.111063	0.01635



0.00043	0.241977	1.20E-07	0.130764	0.00465	0.168674	0.00025	0.115122	0.01279
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2.41E-07	0.114993	0.0129	0.049233	0.28836	-0.00301	0.94829	-0.02003	0.66596
7.95E-05	0.300215	3.50E-11	0.164534	0.00036	0.081014	0.08031	0.087787	0.058
0.00558	-0.04099	0.37685	-0.11703	0.01137	-0.11172	0.01572	-0.0367	0.42878
0.00725	0.210042	4.69E-06	0.081486	0.07855	0.001278	0.97803	0.018604	0.68843
3.05E-08	0.329822	2.59E-13	0.253144	2.92E-08	0.217083	2.19E-06	0.259817	1.21E-08
0.11788	0.306845	1.22E-11	0.064775	0.16226	0.106146	0.02178	-0.10458	0.02381
1.52E-18	-0.40293	1.18E-19	-0.28277	4.92E-10	-0.25634	1.92E-08	-0.29615	6.59E-11
0.34391	0.065453	0.1579	0.07254	0.11747	0.075922	0.10128	0.010735	0.81702
6.66E-09	0.122995	0.00779	0.107328	0.02035	0.05877	0.2049	0.07356	0.11239
0.93931	-0.08795	0.05753	-0.00756	0.87054	0.000931	0.98399	0.017322	0.70889
0.00024	0.313014	4.49E-12	0.124741	0.00695	0.192762	2.74E-05	0.083123	0.07272
0.00037	0.295975	6.77E-11	0.141171	0.00223	0.093718	0.04294	-0.01354	0.77038
0.00024	-0.03042	0.51198	0.009675	0.83482	-0.07884	0.08879	0.009797	0.83277
7.90E-06	0.04273	0.35686	0.101077	0.02896	-0.00936	0.84018	0.045462	0.32693
5.54E-14	0.241245	1.31E-07	0.171421	0.0002	0.132537	0.00412	0.098701	0.03297
0.00036	-0.00368	0.93685	0.05184	0.26355	-0.00631	0.89182	-0.05927	0.20108
1.20E-16	0.171657	0.00019	0.094291	0.04168	0.052639	0.25626	0.146086	0.00155
0.01709	-0.01755	0.70522	-0.03724	0.42205	-0.07555	0.10299	-0.01446	0.75522
0.00036	0.043542	0.3478	0.058358	0.2081	0.026094	0.5738	0.045563	0.32586
1.02E-08	0.280527	6.81E-10	0.153558	0.00087	0.146666	0.00148	0.057894	0.21174
0.15298	0.265396	5.72E-09	0.228154	6.26E-07	0.275694	1.36E-09	0.085766	0.06404
4.63E-07	-0.0651	0.16019	-0.11181	0.01563	-0.09952	0.03154	-0.08089	0.08079
1.77E-18	-0.0673	0.14644	-0.04197	0.36553	-0.17385	0.00016	0.028648	0.53687
7.74E-15	0.138468	0.00271	0.058314	0.20844	0.014607	0.7529	0.069837	0.13181
4.83E-20	0.143473	0.00188	0.100483	0.02992	0.039143	0.39869	0.09563	0.03885
1.78E-06	0.012655	0.78504	0.02344	0.61338	-0.02693	0.56164	-0.04788	0.30179
3.35E-42	0.472935	2.12E-27	0.359817	1.01E-15	0.272896	2.03E-09	0.363902	4.55E-16
8.59E-11	0.113282	0.01431	0.067134	0.14747	0.028667	0.5366	0.015914	0.7316
4.45E-10	0.079565	0.08588	0.091915	0.04712	0.037744	0.41578	0.078958	0.08831
0.00013	-0.05084	0.27292	-0.13089	0.00461	-0.13948	0.00252	0.013725	0.76736
0.00097	0.004504	0.92267	-0.08189	0.07709	-0.05461	0.23882	-0.02328	0.61588
0.37008	-0.15687	0.00067	-0.09339	0.04368	-0.15393	0.00085	-0.1912	3.19E-05
0.21776	-0.13689	0.00303	-0.12799	0.00561	-0.0596	0.19854	-0.20913	5.17E-06
0.0003	-0.20509	7.91E-06	-0.11567	0.01237	-0.08379	0.07044	-0.04998	0.28113
1.55E-20	0.198663	1.53E-05	0.172349	0.00018	0.079327	0.08683	0.124925	0.00687
0.68642	-0.09591	0.03828	-0.11801	0.0107	-0.1679	0.00027	-0.07496	0.10571
0.00194	-0.04385	0.34444	0.015576	0.73709	-0.04467	0.33544	0.093096	0.04435
1.05E-26	0.42201	1.36E-21	0.189722	3.68E-05	0.142714	0.00199	0.331013	2.10E-13
0.03083	-0.10213	0.02732	-0.04994	0.28151	-0.14669	0.00148	-0.05444	0.2403
2.77E-12	0.328471	3.28E-13	0.199462	1.41E-05	0.219968	1.59E-06	0.184084	6.29E-05
2.10E-26	0.280921	6.44E-10	0.223583	1.06E-06	0.151062	0.00106	0.263987	6.93E-09
0.13545	0.18315	6.86E-05	0.08147	0.07861	0.060264	0.1936	0.06626	0.15282
1.34E-18	0.426644	4.42E-22	0.221552	1.33E-06	0.131276	0.00449	0.152522	0.00094

2.45E-15	0.32464	6.36E-13	0.16382	0.00038	0.195928	2.01E-05	0.123137	0.00772
2.66E-16	0.105943	0.02204	0.063324	0.1719	-0.01919	0.67915	0.171841	0.00019
0.19595	0.086395	0.06211	0.005906	0.89871	-0.00295	0.94936	-0.11255	0.01495
0.00753	0.059768	0.1973	0.031139	0.50205	-0.01938	0.67617	0.003904	0.93294
6.47E-11	0.445048	4.25E-24	0.352078	4.49E-15	0.415975	5.76E-21	0.332529	1.61E-13
5.37E-05	0.050283	0.27819	0.079279	0.08702	-0.0695	0.1337	0.067863	0.14311
1.02E-16	0.016134	0.72803	-0.00825	0.85895	-0.10813	0.01943	0.123815	0.00739
2.82E-46	0.359029	1.18E-15	0.280277	7.07E-10	0.244196	9.09E-08	0.348074	9.53E-15
1.17E-11	0.322846	8.65E-13	0.281904	5.58E-10	0.299414	3.97E-11	0.405223	6.98E-20
0.06883	0.077681	0.09359	0.088273	0.05662	0.209456	5.00E-06	-0.09237	0.04603
0.93031	-0.11596	0.01215	-0.15386	0.00085	-0.23419	3.08E-07	-0.23095	4.51E-07
0.42143	0.038635	0.40485	0.092936	0.04471	0.045606	0.3254	-0.08812	0.05707
2.77E-12	0.09779	0.03463	0.079432	0.08641	0.028653	0.5368	0.048979	0.29086
0.09502	-0.01805	0.69717	-0.13542	0.00337	-0.02173	0.63946	-0.05469	0.23818
1.41E-12	0.166323	0.00031	0.14334	0.0019	0.107206	0.02049	0.107183	0.02052
0.11484	0.049425	0.28649	0.043425	0.34909	0.133487	0.00385	-0.06717	0.14724
0.22226	-0.08919	0.05408	-0.08429	0.06879	-0.12583	0.00647	-0.06822	0.14102
0.23796	-0.01718	0.71116	-0.00654	0.88787	-0.01848	0.69037	-0.05161	0.26571
0.00818	0.019404	0.67577	0.056366	0.22407	-0.01856	0.68913	0.256458	1.89E-08
1.57E-16	0.160703	0.00049	0.122586	0.008	0.069614	0.13305	0.140903	0.00227
6.68E-12	0.095802	0.0385	-0.00855	0.85372	-0.08547	0.06498	0.098135	0.03399
0.0004	0.119749	0.00959	0.123181	0.0077	0.162833	0.00041	0.101818	0.0278
1.85E-07	-0.06398	0.16747	0.030112	0.51626	-0.06699	0.14836	0.08986	0.05231
0.0008	0.052171	0.26052	0.031914	0.49146	0.05688	0.21986	-0.05782	0.21233
8.48E-63	0.354348	2.91E-15	0.222748	1.16E-06	0.190759	3.33E-05	0.387078	3.85E-18
2.47E-35	0.149225	0.00122	0.134516	0.00359	-0.00958	0.83637	0.216032	2.46E-06
0.00281	0.254557	2.43E-08	0.264648	6.34E-09	0.282772	4.91E-10	0.22357	1.06E-06
0.11283	0.460001	7.86E-26	0.276984	1.13E-09	0.404054	9.10E-20	0.1465	0.0015
2.01E-28	0.25737	1.68E-08	0.06523	0.15932	-0.0013	0.97772	0.250452	4.12E-08
0.00045	-0.04458	0.33643	0.084239	0.06895	-0.02248	0.62804	0.019591	0.67283
1.40E-41	0.583088	7.01E-44	0.460547	6.77E-26	0.455528	2.65E-25	0.508416	4.59E-32
1.12E-17	0.40452	8.19E-20	0.2501	4.31E-08	0.255806	2.06E-08	0.252885	3.02E-08
5.93E-17	0.155328	0.00076	0.090799	0.04988	0.033314	0.47264	0.117992	0.01071
2.41E-13	0.148946	0.00125	0.181501	7.99E-05	0.140912	0.00227	0.139828	0.00246
1.22E-11	0.119548	0.00972	0.034855	0.45239	-0.05663	0.2219	0.224669	9.34E-07
0.04767	0.075097	0.10506	0.027784	0.54922	-0.02574	0.57905	0.035246	0.44733
2.51E-13	0.073328	0.11353	0.023511	0.61231	-0.13261	0.0041	0.003022	0.94807
0.27702	0.00695	0.88094	0.119757	0.00959	0.087938	0.05757	0.072317	0.11861
0.01203	0.313943	3.85E-12	0.152303	0.00096	0.219142	1.74E-06	0.123353	0.00761
0.3267	0.133415	0.00387	-0.05413	0.24303	-0.08191	0.07702	-0.11376	0.0139
0.20618	0.008707	0.85114	0.004903	0.91584	0.028593	0.53765	-0.03566	0.44198
2.83E-07	0.137929	0.00282	0.161731	0.00045	0.168106	0.00026	0.171419	0.0002
2.25E-26	0.483346	1.03E-28	0.397797	3.71E-19	0.378841	2.19E-17	0.355468	2.35E-15
9.02E-05	0.436892	3.45E-23	0.227105	7.06E-07	0.209683	4.88E-06	0.090109	0.05165
5.59E-20	0.263518	7.39E-09	0.261261	1.00E-08	0.154562	0.0008	0.278299	9.40E-10

0.00252	-0.2319	4.04E-07	-0.23033	4.85E-07	-0.1616	0.00045	-0.21465	2.86E-06
2.03E-06	0.221669	1.31E-06	0.091388	0.04841	0.089879	0.05225	0.157058	0.00066
0.00372	0.001259	0.97835	-0.06605	0.15412	-0.12319	0.0077	-0.11781	0.01084
2.26E-08	0.048812	0.29251	-0.02332	0.61523	-0.02462	0.59564	0.01585	0.73263
0.15547	0.188781	4.03E-05	-0.03602	0.43741	0.020001	0.66638	-0.08648	0.06185
0.95575	-0.08388	0.07015	-0.15831	0.0006	-0.19396	2.44E-05	-0.27444	1.63E-09
0.06311	-0.27528	1.45E-09	-0.1522	0.00097	-0.21428	2.97E-06	-0.29319	1.04E-10
0.00074	-0.01153	0.80367	-0.05757	0.21431	-0.10996	0.01745	-0.02089	0.65256
4.13E-07	-0.09615	0.0378	-0.08416	0.06922	0.00278	0.95222	-0.10988	0.01754
2.30E-07	0.090098	0.05168	0.072536	0.11749	0.033541	0.46963	0.267045	4.57E-09
1.53E-33	0.338091	5.96E-14	0.350324	6.25E-15	0.321893	1.02E-12	0.330979	2.12E-13
1.68E-48	0.447081	2.50E-24	0.428125	3.08E-22	0.312465	4.91E-12	0.369661	1.44E-16
2.80E-10	0.315791	2.84E-12	0.274395	1.64E-09	0.214947	2.77E-06	0.176495	0.00013
0.00011	0.014779	0.75008	0.012384	0.78954	0.042261	0.36217	-0.01612	0.72823
0.00098	0.043932	0.34349	0.303188	2.19E-11	0.28733	2.51E-10	0.139202	0.00257
1.37E-11	0.414759	7.67E-21	0.24539	7.83E-08	0.308038	1.01E-11	0.102448	0.02684
0.13162	0.143713	0.00185	0.037883	0.41407	0.024569	0.5964	-0.07877	0.08909
1.35E-05	0.074425	0.10822	0.04939	0.28682	0.188252	4.24E-05	-0.14522	0.00165
3.60E-10	0.153136	0.0009	0.173782	0.00016	0.127258	0.00589	0.173629	0.00016
0.0266	0.002441	0.95804	0.036504	0.43127	0.027218	0.5574	0.159782	0.00053
5.51E-26	0.238136	1.91E-07	0.224134	9.93E-07	0.128915	0.00527	0.203323	9.49E-06
1.65E-07	0.195402	2.11E-05	0.330311	2.38E-13	0.328359	3.35E-13	0.333041	1.47E-13
1.88E-12	0.1829	7.02E-05	0.112514	0.01499	0.090012	0.05191	0.125835	0.00647
4.49E-16	0.254635	2.40E-08	0.175663	0.00014	0.136347	0.00315	0.116297	0.0119
0.10548	0.162154	0.00043	0.070068	0.13054	0.179409	9.68E-05	0.037282	0.42152
0.03054	0.176842	0.00012	0.053052	0.25254	0.173701	0.00016	0.102563	0.02667
5.06E-10	0.103419	0.02542	0.068932	0.13691	0.012266	0.79149	0.007006	0.87999
0.01126	0.008893	0.84801	0.042608	0.35824	0.015844	0.73273	-0.01681	0.71712
6.42E-12	0.092218	0.0464	0.038476	0.40679	0.001714	0.97053	0.072601	0.11717
1.03E-26	0.221521	1.34E-06	0.202303	1.05E-05	0.133357	0.00389	0.269273	3.36E-09
1.74E-14	0.265001	6.04E-09	0.147261	0.00142	0.15496	0.00078	0.140971	0.00226
1.15E-07	0.272356	2.19E-09	0.253626	2.74E-08	0.227086	7.08E-07	0.071234	0.12424
5.68E-08	0.181804	7.77E-05	0.099517	0.03154	0.093529	0.04336	0.01671	0.71872
0.01701	0.036498	0.43135	-0.02887	0.53373	-0.01425	0.75879	-0.00306	0.94738
2.27E-06	0.42187	1.41E-21	0.26494	6.09E-09	0.309589	7.86E-12	0.141517	0.00217
3.39E-30	0.266637	4.83E-09	0.219156	1.74E-06	0.148273	0.00131	0.340033	4.20E-14
1.11E-07	0.405454	6.62E-20	0.381536	1.25E-17	0.421843	1.42E-21	0.211056	4.21E-06
0.04304	0.19085	3.30E-05	0.04765	0.30417	0.213282	3.31E-06	0.010192	0.82613
5.32E-27	0.249299	4.78E-08	0.177569	0.00011	0.097859	0.0345	0.157747	0.00062
0.00039	0.028081	0.54496	0.031807	0.49291	-0.06588	0.1552	-0.12014	0.00936
0.71582	0.219675	1.64E-06	0.058735	0.20517	0.010515	0.82071	-0.03503	0.45009
0.12353	0.201331	1.16E-05	0.123367	0.00761	0.100083	0.03058	-0.00149	0.97439
1.58E-14	0.139778	0.00247	0.111176	0.01624	0.043501	0.34825	0.063134	0.17318
9.18E-34	0.242572	1.11E-07	0.101473	0.02833	-0.00268	0.95402	0.154537	0.00081
1.30E-30	0.252282	3.26E-08	0.256722	1.83E-08	0.145663	0.0016	0.325423	5.56E-13

6.72E-10	0.064791	0.16216	0.048684	0.29377	-0.00538	0.90772	-0.00532	0.90868
0.14783	0.073395	0.1132	-0.02691	0.56191	-0.05358	0.24781	-0.10153	0.02825
0.01374	0.039196	0.39806	0.03883	0.40249	0.020517	0.65831	-0.0594	0.20007
9.02E-10	0.185129	5.70E-05	0.099559	0.03147	0.056315	0.22448	0.063702	0.16935
1.20E-21	0.178119	0.00011	0.19056	3.40E-05	0.056329	0.22438	0.221323	1.37E-06
0.20758	0.239177	1.69E-07	0.189544	3.75E-05	0.10227	0.02711	-0.11695	0.01143
0.22812	-0.14481	0.0017	-0.10301	0.02601	-0.15631	0.0007	0.008635	0.85236
7.41E-06	0.133321	0.0039	0.110956	0.01645	0.146599	0.00149	-0.06085	0.18927
2.17E-14	0.572106	5.97E-42	0.323717	7.45E-13	0.386338	4.51E-18	0.465743	1.61E-26
0.00011	0.053345	0.24993	0.05653	0.22272	0.036277	0.43416	0.098955	0.03252
0.00127	0.093191	0.04413	-0.02824	0.54273	-0.02235	0.63002	0.019676	0.67149
2.60E-07	0.086247	0.06256	0.037074	0.42412	-0.01558	0.73704	-0.02742	0.55445
5.36E-19	0.345469	1.55E-14	0.223342	1.09E-06	0.153974	0.00084	0.245214	8.00E-08
0.03102	0.204651	8.27E-06	-0.06277	0.17567	-0.02269	0.62485	0.00395	0.93216
2.05E-12	0.133909	0.00374	0.075686	0.10236	0.030601	0.50947	0.118407	0.01044
6.37E-09	0.126256	0.00629	0.062116	0.18023	0.012627	0.7855	-0.02022	0.663
0.7631	0.100143	0.03048	-0.01755	0.70517	-0.04631	0.31797	-0.15039	0.00112
7.84E-10	0.143475	0.00188	0.145259	0.00165	0.110794	0.01661	0.060752	0.19001
1.14E-11	-0.11814	0.01061	-0.07758	0.09401	0.01905	0.68137	-0.0647	0.16278
0.09775	0.064869	0.16165	-0.01636	0.72441	-0.05994	0.19599	-0.01643	0.72328
0.02694	-0.00618	0.89402	-0.07824	0.09124	0.025039	0.58939	0.059087	0.20246
6.47E-06	0.057462	0.21517	0.03162	0.49546	0.002196	0.96225	-0.08214	0.07618
0.08903	0.298704	4.44E-11	0.246998	6.40E-08	0.180922	8.43E-05	0.02781	0.54885
0.06588	0.144046	0.0018	0.063126	0.17324	0.018377	0.69204	-0.01594	0.73122
6.70E-06	0.292789	1.10E-10	0.026336	0.57024	0.023886	0.60664	0.018555	0.6892
2.45E-06	0.099795	0.03107	0.036508	0.43123	0.001865	0.96793	-0.0281	0.54462
3.35E-08	0.16424	0.00037	0.263676	7.23E-09	0.210404	4.52E-06	0.14442	0.00175
0.09353	0.054896	0.23641	0.045102	0.33078	0.089957	0.05205	0.028968	0.53233
1.80E-06	-0.09937	0.0318	-0.08226	0.07576	-0.19625	1.94E-05	0.084726	0.06735
1.23E-05	0.040784	0.37921	0.024824	0.59259	-0.00499	0.91443	-0.013	0.7794
0.62616	-0.01214	0.79367	-0.08764	0.05843	-0.04528	0.32885	-0.10441	0.02405
1.44E-10	0.17943	9.67E-05	0.113283	0.01431	0.09755	0.03508	0.071666	0.12197
0.72355	0.007153	0.87747	-0.02322	0.61664	-0.05447	0.24009	-0.09751	0.03515
1.39E-17	0.189849	3.64E-05	0.079286	0.08699	0.031972	0.49067	0.03339	0.47164
1.33E-13	0.210017	4.71E-06	0.148236	0.00132	0.117939	0.01075	0.104128	0.02443
5.87E-51	0.434139	6.90E-23	0.226886	7.25E-07	0.130908	0.0046	0.352322	4.28E-15
2.04E-14	0.300427	3.39E-11	0.12552	0.00661	0.108129	0.01942	0.131095	0.00454
4.26E-05	0.078069	0.09196	0.045982	0.32142	0.045525	0.32626	-0.05089	0.27245
0.00139	0.094599	0.04101	0.038043	0.4121	0.076544	0.09851	0.030798	0.50675
5.91E-09	0.136256	0.00317	0.187837	4.41E-05	0.164084	0.00037	0.115894	0.0122
3.16E-12	0.153028	0.00091	0.121606	0.00852	0.088286	0.05659	0.085395	0.06521
3.82E-15	0.375953	3.99E-17	0.224593	9.43E-07	0.239567	1.61E-07	0.22157	1.33E-06
4.05E-12	0.320523	1.28E-12	0.246535	6.78E-08	0.242772	1.08E-07	0.279692	7.69E-10
0.20008	-0.18234	7.40E-05	-0.21566	2.56E-06	-0.24042	1.45E-07	0.017899	0.69966
3.53E-05	0.143291	0.00191	0.112117	0.01535	0.088851	0.05502	0.107269	0.02042

9.52E-05	0.01232	0.7906	-0.01814	0.69585	-0.11038	0.01702	0.121081	0.00881
0.00016	0.194289	2.36E-05	0.02052	0.65828	-0.00233	0.96001	0.020236	0.66271
8.85E-16	0.173742	0.00016	0.128949	0.00526	0.095649	0.03881	0.140495	0.00234
5.13E-06	0.039962	0.3889	-0.01999	0.66656	-0.04496	0.33233	0.025992	0.57528
7.90E-22	0.261561	9.61E-09	0.229165	5.56E-07	0.184112	6.27E-05	0.245629	7.60E-08
0.00134	0.244801	8.43E-08	0.23782	1.99E-07	0.22794	6.41E-07	0.188182	4.27E-05
1.17E-07	-0.01077	0.8164	-0.03924	0.39755	-0.139	0.00261	-0.06709	0.14772
3.93E-07	0.17651	0.00013	0.085731	0.06416	0.018298	0.69329	0.008098	0.86145
1.88E-05	0.144155	0.00179	0.095899	0.0383	0.102773	0.02636	0.003074	0.94718
2.45E-06	0.051301	0.26856	0.028505	0.53891	-0.00615	0.89463	-0.02682	0.56316
2.24E-05	-0.00055	0.99052	0.026027	0.57478	-0.01983	0.6691	-0.0486	0.29461
2.70E-05	0.307493	1.10E-11	0.132629	0.00409	0.104407	0.02405	0.028497	0.53902
0.38552	0.041951	0.36571	-0.08452	0.06801	-0.00588	0.89916	-0.07948	0.08621
2.30E-06	-0.00855	0.85375	0.010212	0.8258	-0.06526	0.15916	-0.01675	0.7181
0.00772	0.17873	0.0001	0.127689	0.00572	0.085875	0.06371	0.161878	0.00044
7.48E-12	0.044311	0.33934	0.101911	0.02766	0.229019	5.66E-07	0.035116	0.44902
0.55605	0.186824	4.86E-05	0.160112	0.00051	0.201566	1.14E-05	0.036259	0.43437
1.09E-16	0.061199	0.18676	0.104841	0.02346	0.010906	0.81417	0.145502	0.00162
2.10E-26	0.047587	0.3048	0.025193	0.5871	-0.09728	0.03559	0.167721	0.00027
3.78E-05	0.092914	0.04477	0.08015	0.08359	-0.00162	0.97218	0.093923	0.04248
0.04095	0.031012	0.50379	0.001977	0.96601	-0.03161	0.49558	0.055862	0.22824
1.71E-05	-0.10593	0.02206	-0.09952	0.03154	-0.24988	4.44E-08	-0.10176	0.02788
2.40E-25	0.487857	2.70E-29	0.388145	3.06E-18	0.374406	5.48E-17	0.356435	1.95E-15
9.25E-12	0.135493	0.00335	0.092135	0.0466	0.048169	0.29892	0.048984	0.29081
0.30141	0.180235	8.98E-05	0.179428	9.67E-05	0.078147	0.09164	-0.07227	0.11887
6.72E-19	0.249492	4.66E-08	0.179376	9.71E-05	0.141327	0.0022	0.160799	0.00049
0.1306	0.264103	6.82E-09	0.088412	0.05623	0.124737	0.00696	0.104381	0.02408
7.09E-05	0.043899	0.34386	-0.03974	0.39151	-0.04991	0.28175	-0.09002	0.05189
2.34E-05	0.080056	0.08396	0.037342	0.42077	0.005079	0.91284	-0.01466	0.75203
1.28E-07	0.139123	0.00259	-0.00045	0.9922	-0.12127	0.00871	-0.08082	0.08103
1.23E-27	0.35355	3.39E-15	0.305963	1.41E-11	0.234913	2.82E-07	0.299685	3.81E-11
0.00196	0.09634	0.03742	0.072319	0.1186	0.081887	0.07709	0.063512	0.17062
9.42E-08	0.109281	0.01816	0.086785	0.06094	0.040239	0.38561	-0.01504	0.74583
3.76E-23	0.138269	0.00275	0.173683	0.00016	0.085077	0.06622	0.19705	1.79E-05
0.00095	0.068215	0.14105	0.012333	0.79039	-0.03495	0.45121	-0.04943	0.28642
9.47E-48	0.289595	1.79E-10	0.215947	2.48E-06	0.034951	0.45115	0.329789	2.61E-13
7.22E-08	0.16619	0.00031	0.097819	0.03458	0.080709	0.08146	0.045648	0.32496
6.90E-27	0.522781	4.10E-34	0.40766	4.00E-20	0.383894	7.58E-18	0.455124	2.95E-25
3.14E-17	0.275407	1.42E-09	0.259524	1.26E-08	0.180236	8.98E-05	0.153937	0.00085
1.67E-30	0.426275	4.84E-22	0.225883	8.13E-07	0.282559	5.07E-10	0.391467	1.49E-18
0.87522	0.07784	0.09292	0.01131	0.80741	0.04005	0.38786	-0.07144	0.12315
0.31166	0.114392	0.01338	-0.02846	0.53958	0.009688	0.83461	-0.13377	0.00378
0.31997	0.071188	0.12449	-0.02884	0.53416	-0.01696	0.71462	-0.10511	0.02311
1.24E-25	0.166393	0.0003	0.039771	0.39117	-0.07268	0.11678	0.196728	1.85E-05
2.66E-07	0.202934	9.88E-06	0.106008	0.02195	0.067949	0.14261	0.008039	0.86245

5.58E-19	0.197934	1.64E-05	0.201271	1.17E-05	0.08392	0.07001	0.125858	0.00646
2.26E-16	0.27642	1.23E-09	0.167899	0.00027	0.16682	0.00029	0.157618	0.00063
1.77E-37	0.391416	1.51E-18	0.283319	4.54E-10	0.194363	2.34E-05	0.271886	2.33E-09
3.89E-07	0.436093	4.22E-23	0.233207	3.46E-07	0.291111	1.42E-10	0.168236	0.00026
0.04891	0.117506	0.01104	-0.13161	0.00439	-0.07846	0.09033	-0.19915	1.45E-05
1.32E-24	0.231378	4.29E-07	0.21621	2.41E-06	0.122998	0.00779	0.189719	3.68E-05
2.58E-16	0.542083	5.01E-37	0.373504	6.59E-17	0.412632	1.26E-20	0.279574	7.82E-10
1.36E-07	0.118709	0.01024	0.028269	0.54228	-0.00175	0.96985	0.006521	0.88823
1.82E-05	0.163614	0.00038	0.0594	0.20008	0.044644	0.33572	0.01587	0.73231
1.78E-18	0.428341	2.92E-22	0.341701	3.10E-14	0.360848	8.29E-16	0.272726	2.08E-09
6.07E-07	0.142031	0.00209	0.079	0.08814	0.03573	0.44111	0.036689	0.42894
9.96E-05	0.019273	0.67784	-0.02064	0.65636	-0.06587	0.15527	-0.09979	0.03107
0.5621	0.276668	1.19E-09	0.024283	0.60067	0.004872	0.91637	-0.049	0.29061
1.62E-08	0.080711	0.08145	0.03015	0.51572	0.000828	0.98575	-0.06744	0.1456
1.22E-14	0.2687	3.64E-09	0.159997	0.00052	0.165862	0.00032	0.140707	0.00231
0.00403	0.260178	1.16E-08	0.199747	1.37E-05	0.26587	5.36E-09	0.12872	0.00534
0.17856	0.142646	0.002	0.059453	0.19968	0.05158	0.26596	0.013539	0.77042
0.02484	0.189893	3.62E-05	0.10771	0.0199	0.089938	0.0521	0.006856	0.88252
0.00087	0.089439	0.05342	-0.02261	0.62595	-0.06189	0.18179	-0.07547	0.10336
8.09E-06	0.215014	2.75E-06	0.203264	9.55E-06	0.213889	3.10E-06	0.032937	0.47767
0.00231	0.056583	0.22229	0.073933	0.11057	0.093386	0.04369	0.147759	0.00136
1.90E-14	0.12461	0.00701	0.17597	0.00013	-0.02674	0.56433	0.240659	1.41E-07
0.00411	0.139254	0.00256	0.219608	1.65E-06	0.250998	3.85E-08	9.95E-05	0.99829
1.32E-08	0.033304	0.47277	-0.0249	0.59143	-0.08364	0.07096	-0.06112	0.18731
1.60E-05	0.102247	0.02714	0.056205	0.2254	0.064937	0.16121	-0.00687	0.8823
0.01332	0.064436	0.16447	0.060151	0.19443	0.046175	0.3194	-0.04467	0.33541
1.29E-11	-0.04563	0.32518	-0.13676	0.00306	-0.14672	0.00148	0.048049	0.30013
4.63E-09	0.034947	0.4512	0.047746	0.30319	-0.05394	0.24465	0.071412	0.1233
0.00106	-0.08742	0.05908	-0.11013	0.01727	-0.21093	4.27E-06	-0.06876	0.1379
1.91E-15	0.280752	6.60E-10	0.226283	7.77E-07	0.137459	0.00291	0.273009	1.99E-09
0.00915	-0.01226	0.79158	-0.06186	0.18207	-0.09764	0.0349	-0.10157	0.02818
1.96E-11	0.056097	0.22629	0.041895	0.36635	-0.02119	0.6478	0.042474	0.35976
1.31E-18	-0.09969	0.03125	-0.1242	0.00721	0.025108	0.58835	-0.15965	0.00053
0.87356	-0.05082	0.27309	-0.09313	0.04426	-0.01047	0.82138	-0.10807	0.01949
4.22E-11	0.155775	0.00073	0.119502	0.00974	0.061969	0.18127	0.040827	0.37871
3.73E-09	0.0813	0.07924	0.038205	0.41011	-0.0231	0.61849	0.00527	0.90956
5.84E-10	0.109174	0.01827	0.158072	0.00061	0.058625	0.20602	0.130688	0.00467
4.92E-14	0.255607	2.12E-08	0.267686	4.18E-09	0.287348	2.50E-10	0.22965	5.26E-07
3.29E-14	-0.2131	3.38E-06	-0.12475	0.00695	-0.28662	2.79E-10	0.024747	0.59373
8.09E-12	0.334096	1.22E-13	0.281384	6.02E-10	0.2627	8.25E-09	0.192437	2.83E-05
0.00024	0.106845	0.02092	-0.01303	0.77888	-0.02997	0.5182	-0.02209	0.63404
1.56E-41	0.249249	4.81E-08	0.158623	0.00058	0.078899	0.08855	0.326101	4.95E-13
0.00927	0.086844	0.06076	0.045418	0.3274	-0.00208	0.96419	-0.08963	0.05292
0.0004	0.086442	0.06197	0.030083	0.51666	-0.03399	0.46363	0.15935	0.00055
0.61064	0.136747	0.00307	0.036807	0.42746	0.076987	0.09657	0.009163	0.84345

0.30049	0.372192	8.62E-17	0.308327	9.64E-12	0.3247	6.30E-13	0.155818	0.00073
1.16E-08	0.38002	1.71E-17	0.361003	8.04E-16	0.408526	3.27E-20	0.337772	6.32E-14
2.64E-14	0.265078	5.98E-09	0.212841	3.48E-06	0.154623	0.0008	0.259105	1.33E-08
3.56E-37	0.706583	7.55E-72	0.434012	7.12E-23	0.398812	2.96E-19	0.408541	3.26E-20
7.81E-13	-0.17747	0.00012	-0.17489	0.00015	-0.17098	0.00021	-0.14503	0.00168
4.82E-37	0.207306	6.27E-06	0.119884	0.00951	0.059182	0.20173	0.299793	3.74E-11
0.06095	0.249431	4.70E-08	0.173031	0.00017	0.20135	1.16E-05	0.118499	0.01038
6.20E-12	0.22929	5.48E-07	0.145594	0.00161	0.145854	0.00158	0.067631	0.14449
6.31E-14	0.219433	1.69E-06	0.114684	0.01314	0.149075	0.00123	0.149327	0.00121
8.76E-23	0.332759	1.55E-13	0.216987	2.21E-06	0.169276	0.00024	0.194802	2.24E-05
1.13E-17	0.266871	4.68E-09	0.164975	0.00034	0.139661	0.00249	0.140481	0.00234
2.71E-07	0.047264	0.3081	-0.01261	0.78581	-0.06309	0.17351	0.031793	0.4931
1.92E-05	0.108602	0.0189	0.080698	0.0815	0.047266	0.30808	-0.0104	0.82263
8.52E-06	0.109674	0.01775	0.094059	0.04218	0.073468	0.11284	0.000575	0.99011
1.07E-12	0.191523	3.09E-05	0.113839	0.01384	0.074739	0.10673	0.051979	0.26228
5.71E-15	0.396519	4.93E-19	0.273268	1.92E-09	0.319334	1.57E-12	0.254328	2.50E-08
2.11E-09	0.133285	0.00391	0.071682	0.12188	0.047776	0.30289	0.024964	0.5905
9.56E-13	0.193453	2.56E-05	0.166028	0.00031	0.139686	0.00248	0.147319	0.00141
9.80E-10	0.113931	0.01376	0.126119	0.00635	0.106268	0.02163	0.07737	0.09492
1.68E-21	0.493158	5.43E-30	0.272659	2.09E-09	0.281132	6.24E-10	0.220115	1.56E-06
2.50E-13	0.424976	6.65E-22	0.216642	2.30E-06	0.249375	4.73E-08	0.156838	0.00067
2.74E-06	0.055493	0.23133	0.016721	0.71855	-0.02693	0.56159	-0.03328	0.47304
8.28E-06	0.066205	0.15317	0.024316	0.60018	-0.03412	0.46202	-0.0468	0.31288
6.92E-07	0.198344	1.58E-05	0.096712	0.03668	0.068862	0.13731	0.150397	0.00111
0.29381	-0.10023	0.03034	-0.09682	0.03648	-0.09331	0.04386	-0.19218	2.90E-05
6.89E-05	-0.01641	0.7235	0.013825	0.76572	-0.05227	0.25958	0.023956	0.60559
0.01483	-0.12154	0.00856	-0.09089	0.04965	-0.12903	0.00523	-0.15602	0.00072
0.00863	0.070661	0.1273	0.044006	0.34268	-0.01231	0.7908	-0.00875	0.85044
3.78E-08	0.240622	1.41E-07	0.26434	6.61E-09	0.217024	2.20E-06	0.126473	0.0062
0.59562	-0.19809	1.62E-05	-0.05361	0.24758	-0.0549	0.23636	-0.0753	0.1041
3.52E-09	-0.04382	0.34468	0.018684	0.68716	-0.04034	0.38445	0.070784	0.12664
0.0084	0.233366	3.39E-07	0.138876	0.00263	0.154386	0.00082	0.008979	0.84655
1.65E-08	-0.15944	0.00054	-0.04731	0.30759	-0.2015	1.15E-05	-0.02614	0.57313
0.00117	0.177224	0.00012	0.281989	5.51E-10	0.265514	5.63E-09	0.161336	0.00047
2.07E-07	0.326658	4.49E-13	0.203444	9.38E-06	0.22972	5.21E-07	0.170765	0.00021
8.38E-12	0.151424	0.00103	0.170288	0.00022	0.104077	0.0245	0.193457	2.56E-05
3.61E-22	0.702934	8.17E-71	0.423171	1.03E-21	0.385317	5.61E-18	0.432596	1.02E-22
0.01445	0.013092	0.77781	0.041496	0.37094	-0.01381	0.76599	-0.00183	0.9685
5.67E-25	0.256034	2.00E-08	0.266865	4.68E-09	0.207902	5.89E-06	0.466185	1.42E-26
1.69E-18	0.282546	5.08E-10	0.25176	3.49E-08	0.13513	0.00344	0.148549	0.00128
2.36E-10	0.080024	0.08409	0.069007	0.13648	0.007201	0.87667	0.051497	0.26673
0.71875	0.079848	0.08477	0.087242	0.05959	0.047142	0.30935	0.061755	0.18279
1.74E-09	0.274138	1.70E-09	0.173789	0.00016	0.156158	0.00071	0.121831	0.0084
1.43E-19	0.334607	1.11E-13	0.289004	1.95E-10	0.305384	1.55E-11	0.319489	1.53E-12
1.51E-10	0.358238	1.38E-15	0.328393	3.33E-13	0.27555	1.39E-09	0.349042	7.95E-15

0.00047	0.191262	3.17E-05	0.196423	1.91E-05	0.162772	0.00041	0.268108	3.95E-09
2.82E-05	0.226577	7.51E-07	0.192637	2.78E-05	0.204357	8.53E-06	0.20384	9.00E-06
0.22535	0.116336	0.01187	0.074956	0.10571	0.111025	0.01638	0.029217	0.52881
2.66E-17	0.066986	0.14837	0.106929	0.02082	-0.00157	0.97303	0.138047	0.00279
7.95E-10	0.016063	0.72918	0.056299	0.22462	-0.05139	0.26775	0.0672	0.14707
4.53E-12	0.214703	2.84E-06	0.249581	4.61E-08	0.144412	0.00176	0.206625	6.73E-06
4.42E-09	0.414201	8.75E-21	0.205002	7.98E-06	0.146487	0.0015	0.284163	4.01E-10
8.82E-07	0.171694	0.00019	0.177474	0.00012	0.105158	0.02304	0.002018	0.9653
0.90251	0.39407	8.45E-19	0.201363	1.16E-05	0.27374	1.80E-09	0.032133	0.48849
0.2048	0.245925	7.32E-08	0.142289	0.00205	0.174619	0.00015	0.062037	0.18079
0.06002	-0.18021	9.00E-05	-0.2206	1.48E-06	-0.31613	2.68E-12	-0.35026	6.32E-15
0.76166	0.28535	3.36E-10	0.146655	0.00148	0.071227	0.12428	-0.0114	0.80586
3.82E-11	0.158999	0.00056	0.039484	0.3946	0.003424	0.94118	0.029175	0.5294
0.00139	-0.11676	0.01157	0.003843	0.93399	-0.16718	0.00028	0.020134	0.6643
3.62E-10	0.115781	0.01229	0.101024	0.02904	0.060147	0.19446	0.156478	0.00069
0.00444	0.064175	0.16619	-0.07366	0.11189	0.005177	0.91116	0.096914	0.03629
0.23657	0.128934	0.00526	0.113951	0.01374	0.122632	0.00798	0.046978	0.31104
3.26E-08	0.087027	0.06022	0.11763	0.01096	0.075627	0.10262	0.121204	0.00874
0.06757	-0.01351	0.77094	0.052805	0.25476	0.061616	0.18377	-0.03251	0.48345
0.43261	0.167779	0.00027	0.15891	0.00057	0.098316	0.03366	-0.08478	0.06718
3.75E-23	0.545715	1.35E-37	0.40838	3.39E-20	0.433996	7.15E-23	0.407805	3.86E-20
0.09305	0.160277	0.00051	0.140948	0.00227	0.154613	0.0008	-0.00592	0.8984
0.00519	0.140589	0.00233	0.091794	0.04742	0.097042	0.03605	0.086092	0.06304
0.00871	0.09753	0.03512	0.117781	0.01086	0.017317	0.70896	-0.02227	0.63122
1.98E-06	-0.24158	1.26E-07	-0.1313	0.00448	-0.20731	6.27E-06	-0.23379	3.23E-07
4.05E-06	0.381494	1.26E-17	0.22762	6.66E-07	0.174255	0.00015	0.141003	0.00226
1.62E-07	-0.07002	0.13083	0.028768	0.53517	-0.12887	0.00528	0.07038	0.12883
4.84E-17	0.146072	0.00155	0.117342	0.01116	0.026093	0.5738	0.099338	0.03185
0.04702	-0.00854	0.85392	-0.09339	0.04367	-0.08192	0.07697	0.021457	0.64373
2.52E-05	-0.03586	0.43947	-0.04193	0.36596	-0.15324	0.00089	0.029843	0.52001
2.68E-09	0.096726	0.03666	-0.05291	0.25383	-0.02974	0.5215	0.11302	0.01454
7.80E-09	0.011549	0.80343	-0.09792	0.03439	-0.12759	0.00576	0.060173	0.19427
6.36E-10	0.032266	0.48668	-0.01482	0.74938	-0.0307	0.50813	0.116558	0.01171
2.82E-06	0.004781	0.91794	-0.03035	0.51297	-0.03677	0.42799	0.101904	0.02766
4.81E-18	0.384751	6.32E-18	0.219036	1.76E-06	0.24016	1.50E-07	0.205901	7.26E-06
5.34E-16	0.327163	4.12E-13	0.235852	2.52E-07	0.237378	2.10E-07	0.272025	2.29E-09
7.34E-19	0.32025	1.34E-12	0.288972	1.96E-10	0.205109	7.89E-06	0.3764	3.64E-17
0.6172	0.341092	3.46E-14	0.172115	0.00019	0.257282	1.70E-08	0.090385	0.05094
0.01221	0.009784	0.83298	0.097053	0.03602	0.044014	0.34259	0.00161	0.97232
2.43E-08	-0.13897	0.00262	-0.18309	6.90E-05	-0.25092	3.89E-08	-0.13397	0.00373
3.50E-17	0.271301	2.53E-09	0.231631	4.17E-07	0.110475	0.01693	0.283199	4.62E-10
0.09654	0.080691	0.08152	0.088298	0.05655	0.113885	0.0138	-0.00637	0.89087
8.64E-07	0.019941	0.66733	0.143891	0.00182	-0.00537	0.90783	0.038403	0.40768
6.34E-21	0.383325	8.55E-18	0.284582	3.77E-10	0.291905	1.26E-10	0.251492	3.61E-08
7.69E-06	0.240911	1.36E-07	0.128913	0.00527	0.253318	2.85E-08	0.098859	0.03269



5.18E-12	0.260329	1.13E-08	0.198896	1.49E-05	0.193033	2.67E-05	0.174423	0.00015
1.70E-10	0.103425	0.02541	0.105079	0.02315	0.03865	0.40468	0.03574	0.44099
0.76055	-0.04369	0.34619	-0.11645	0.01179	-0.18597	5.27E-05	-0.22452	9.50E-07
9.91E-05	0.137069	0.003	0.094236	0.0418	0.035919	0.4387	0.17872	0.0001
0.03685	-0.13373	0.00379	-0.07087	0.12616	-0.18544	5.54E-05	-0.20246	1.04E-05
0.00026	-0.123	0.00779	-0.21657	2.31E-06	-0.33672	7.63E-14	-0.16364	0.00038
0.00015	0.184732	5.92E-05	0.050421	0.27687	0.149229	0.00122	0.123679	0.00745
0.44233	0.085397	0.0652	-0.01893	0.68321	-0.04095	0.37723	-0.12575	0.00651
2.37E-06	0.198096	1.62E-05	0.096536	0.03703	0.061217	0.18663	0.010916	0.81399
0.00256	-0.10218	0.02724	-0.12076	0.009	-0.15943	0.00054	0.007819	0.86618
2.09E-10	0.182659	7.18E-05	0.086073	0.06309	0.024466	0.59794	0.018319	0.69296
0.00187	0.059946	0.19596	0.036458	0.43186	-0.05136	0.26802	-0.05097	0.27171
1.98E-13	0.188803	4.02E-05	0.168375	0.00026	0.122182	0.00821	0.132335	0.00417
6.54E-23	0.333171	1.44E-13	0.259405	1.28E-08	0.174724	0.00015	0.287866	2.32E-10
4.03E-15	0.261189	1.01E-08	0.179487	9.62E-05	0.127755	0.0057	0.110536	0.01687
0.05091	0.133513	0.00385	0.135983	0.00324	0.12842	0.00545	0.077771	0.09321
2.21E-13	0.123918	0.00734	0.106469	0.02138	0.063087	0.17351	0.100988	0.0291
1.92E-21	0.255385	2.18E-08	0.199267	1.44E-05	0.19001	3.58E-05	0.231006	4.49E-07
3.22E-16	0.334672	1.10E-13	0.228746	5.84E-07	0.221812	1.29E-06	0.192041	2.94E-05
3.00E-19	0.374427	5.46E-17	0.259055	1.34E-08	0.321625	1.06E-12	0.273054	1.98E-09
3.36E-14	0.122604	0.00799	0.138125	0.00278	0.058767	0.20492	0.090154	0.05154
2.16E-07	0.118107	0.01064	0.05817	0.20957	0.035601	0.44277	-0.02502	0.58971
1.39E-06	0.121649	0.0085	0.075339	0.10394	0.04106	0.37599	-0.03038	0.51249
4.83E-19	0.202582	1.02E-05	0.158097	0.00061	0.113883	0.0138	0.250173	4.27E-08
6.10E-11	0.166031	0.00031	0.037633	0.41715	-0.00995	0.83026	-0.01452	0.75437
2.02E-45	0.395105	6.73E-19	0.24382	9.52E-08	0.135558	0.00333	0.316983	2.33E-12
8.24E-44	0.403635	1.00E-19	0.369403	1.52E-16	0.318722	1.74E-12	0.40573	6.22E-20
2.89E-05	-0.05944	0.19978	-0.00226	0.96108	-0.14062	0.00232	0.021188	0.64789
0.44419	0.020948	0.6516	-0.05081	0.27321	-0.05129	0.26869	-0.08792	0.05762
0.81963	0.191031	3.25E-05	-0.00984	0.83197	0.112321	0.01516	-0.08434	0.06863
0.89287	-0.19392	2.45E-05	-0.20044	1.27E-05	-0.25751	1.65E-08	-0.24544	7.78E-08
0.00066	0.255656	2.10E-08	0.223331	1.09E-06	0.152822	0.00092	0.16893	0.00025
3.97E-07	0.093129	0.04427	0.042941	0.3545	0.0251	0.58847	-0.00872	0.85095
5.95E-06	0.039813	0.39068	-0.00695	0.88099	-0.03517	0.44836	-0.03174	0.49384
0.44958	0.241749	1.23E-07	0.003781	0.93505	0.017372	0.70808	-0.17069	0.00021
8.10E-18	0.221169	1.39E-06	0.183119	6.88E-05	0.136537	0.00311	0.153708	0.00086
0.00014	0.082689	0.07423	0.083452	0.07159	0.040847	0.37848	0.191978	2.96E-05
0.31413	0.031267	0.50029	0.058777	0.20484	0.083353	0.07193	0.18932	3.83E-05
0.01004	0.1107	0.0167	0.120051	0.00941	0.090736	0.05004	0.245143	8.07E-08
0.59339	-0.10307	0.02593	-0.05741	0.21556	0.019415	0.6756	0.006982	0.88038
1.77E-07	-0.03794	0.41338	-0.05394	0.24469	-0.05135	0.26814	0.138354	0.00273
0.00127	0.135038	0.00346	0.105852	0.02215	0.094315	0.04163	0.090875	0.04969
3.68E-31	0.376113	3.86E-17	0.35787	1.48E-15	0.343206	2.35E-14	0.321767	1.04E-12
0.3594	-0.05898	0.20329	-0.18492	5.82E-05	-0.05561	0.23036	-0.00589	0.8989
1.02E-08	0.139839	0.00246	0.062421	0.1781	0.037113	0.42362	0.031647	0.49509

8.82E-07	0.164164	0.00037	0.066414	0.15187	0.063031	0.17389	0.073455	0.11291
1.40E-18	0.436479	3.83E-23	0.436055	4.26E-23	0.500792	5.14E-31	0.339326	4.77E-14
2.57E-46	0.548817	4.35E-38	0.422598	1.18E-21	0.423724	9.01E-22	0.429925	1.97E-22
0.03104	-0.10529	0.02287	-0.09556	0.03899	-0.14698	0.00145	-0.11517	0.01276
2.32E-11	0.146619	0.00149	0.104554	0.02385	0.053139	0.25177	0.048769	0.29293
1.41E-07	-0.12768	0.00573	-0.17854	0.0001	-0.32699	4.24E-13	-0.08	0.08419
7.77E-19	0.360662	8.59E-16	0.283367	4.50E-10	0.265736	5.46E-09	0.611789	2.74E-49
8.26E-18	0.300778	3.21E-11	0.133123	0.00395	0.098706	0.03296	0.11901	0.01005
4.44E-11	0.513793	8.05E-33	0.411139	1.79E-20	0.401126	1.76E-19	0.371748	9.43E-17
1.04E-06	0.278898	8.62E-10	0.200239	1.30E-05	0.237257	2.13E-07	0.108125	0.01943
6.92E-36	0.470696	4.00E-27	0.39212	1.29E-18	0.368233	1.92E-16	0.386558	4.30E-18
0.81145	-0.18788	4.40E-05	-0.04441	0.33828	-0.18004	9.14E-05	-0.11819	0.01058
0.0377	0.312515	4.87E-12	0.143541	0.00187	0.126683	0.00612	0.0683	0.14055
0.00102	0.031368	0.4989	0.080587	0.08192	0.011213	0.80903	0.025019	0.58969
2.05E-12	0.283432	4.46E-10	0.235595	2.60E-07	0.237223	2.14E-07	0.210974	4.25E-06
0.00302	-0.09417	0.04193	0.030913	0.50515	-0.14132	0.00221	0.031894	0.49173
3.54E-08	0.153245	0.00089	0.139395	0.00254	0.121337	0.00867	0.039379	0.39586
7.50E-19	0.284008	4.10E-10	0.165212	0.00034	0.146366	0.00152	0.169459	0.00023
1.26E-21	0.293321	1.02E-10	0.215548	2.59E-06	0.19047	3.43E-05	0.236585	2.31E-07
0.00011	0.104559	0.02384	0.047995	0.30067	0.039489	0.39454	-0.01744	0.70698
6.24E-12	0.340218	4.06E-14	0.181185	8.23E-05	0.210151	4.64E-06	0.32675	4.42E-13
2.15E-16	0.301236	2.98E-11	0.253231	2.88E-08	0.237317	2.11E-07	0.150636	0.00109
2.48E-13	0.218592	1.85E-06	0.165465	0.00033	0.175745	0.00013	0.126423	0.00623
5.18E-12	0.413922	9.34E-21	0.248904	5.02E-08	0.251715	3.51E-08	0.145977	0.00156
2.47E-18	0.329142	2.92E-13	0.227754	6.55E-07	0.258927	1.37E-08	0.24198	1.20E-07
1.10E-11	-0.01476	0.75039	-0.01365	0.76865	-0.15978	0.00053	0.04754	0.30528
0.09464	-0.01663	0.72006	-0.05711	0.21803	-0.00394	0.93237	-0.11218	0.01529
6.64E-11	0.081743	0.07761	0.063345	0.17175	-0.01962	0.67229	0.205674	7.44E-06
0.00182	0.218786	1.81E-06	0.184607	5.99E-05	0.231153	4.41E-07	0.145486	0.00162
9.40E-16	0.117014	0.01139	0.107873	0.01972	-0.08826	0.05667	0.211699	3.93E-06
0.33306	-0.06718	0.14718	-0.13281	0.00404	-0.1894	3.80E-05	-0.26459	6.38E-09
9.12E-15	0.169727	0.00023	0.109458	0.01797	0.066535	0.15113	0.084282	0.0688
3.23E-11	0.132608	0.0041	0.119254	0.0099	0.101535	0.02824	0.106259	0.02164
1.77E-31	0.236145	2.43E-07	0.235892	2.51E-07	0.141246	0.00222	0.431962	1.19E-22
4.65E-09	0.267976	4.02E-09	0.171451	0.0002	0.139087	0.00259	0.170363	0.00022
0.00016	0.24604	7.21E-08	0.273318	1.91E-09	0.311216	6.03E-12	0.128841	0.0053
2.64E-08	0.099783	0.03109	-0.02419	0.60205	-0.11051	0.01689	0.027254	0.55687
3.00E-22	0.118439	0.01042	0.123687	0.00745	0.021895	0.63697	0.156678	0.00068
0.14621	0.15152	0.00102	0.126255	0.00629	0.161126	0.00047	-0.03811	0.41132
0.5065	0.346755	1.22E-14	0.128583	0.00539	0.139455	0.00252	-0.05751	0.21481
0.93782	0.2013	1.17E-05	0.122342	0.00813	0.214623	2.86E-06	0.057053	0.21846
0.00376	-0.12961	0.00503	-0.13485	0.0035	-0.15878	0.00057	0.019179	0.67933
0.73296	-0.02218	0.6326	0.015088	0.74503	-0.00584	0.89979	0.15932	0.00055
1.86E-09	0.033406	0.47142	0.087078	0.06007	-0.11457	0.01323	0.054594	0.23899
0.00037	-0.07666	0.09798	0.028754	0.53536	0.091009	0.04935	-0.11875	0.01022

0.00976	0.02981	0.52047	-0.07557	0.10287	0.024626	0.59554	-0.14013	0.0024
1.30E-28	0.425466	5.90E-22	0.289144	1.91E-10	0.273739	1.80E-09	0.308104	9.99E-12
0.12949	0.020882	0.65264	0.187863	4.40E-05	0.20861	5.46E-06	-0.07428	0.10889
2.35E-08	-0.14275	0.00198	-0.03314	0.47489	-0.12332	0.00763	0.001854	0.96813
1.63E-06	0.338462	5.58E-14	0.227535	6.72E-07	0.237341	2.11E-07	0.100808	0.02939
1.74E-15	0.233536	3.33E-07	0.083369	0.07187	0.068752	0.13794	0.155415	0.00075
2.82E-12	0.077604	0.09392	-0.01783	0.70081	-0.10051	0.02988	0.02935	0.52693
2.36E-10	0.20117	1.18E-05	0.212889	3.46E-06	0.140218	0.00239	0.165998	0.00031
1.69E-20	0.353227	3.61E-15	0.129491	0.00507	0.136419	0.00314	0.307177	1.16E-11
0.00011	0.136913	0.00303	0.121583	0.00853	0.161557	0.00046	0.182586	7.23E-05
1.03E-19	0.226419	7.65E-07	0.195265	2.14E-05	0.138427	0.00272	0.163249	0.0004
1.02E-09	0.345192	1.63E-14	0.270243	2.94E-09	0.156073	0.00071	0.217694	2.05E-06
1.19E-16	0.291758	1.29E-10	0.399439	2.57E-19	0.323489	7.75E-13	0.351856	4.68E-15
0.16117	0.082056	0.07648	0.103398	0.02545	0.099578	0.03144	0.119049	0.01003
1.96E-09	0.100098	0.03056	0.042605	0.35828	-0.00443	0.92398	0.006007	0.89698
0.36885	0.028775	0.53507	-0.076	0.10094	-0.0772	0.09564	-0.0981	0.03406
1.97E-37	0.022369	0.62969	0.060412	0.1925	-0.04661	0.31482	0.164702	0.00035
1.33E-06	0.140305	0.00237	0.093707	0.04297	0.073786	0.11129	0.006026	0.89667
3.39E-17	0.530262	3.20E-35	0.482103	1.49E-28	0.524444	2.34E-34	0.420638	1.90E-21
0.43621	-0.05393	0.24476	-0.02267	0.62506	-0.07761	0.09391	-0.08194	0.0769
0.02146	0.043638	0.34673	-0.03186	0.49218	-0.03931	0.39675	0.010118	0.82737
0.05167	0.208508	5.52E-06	0.25094	3.87E-08	0.311961	5.34E-12	0.18702	4.77E-05
5.70E-05	0.075954	0.10114	0.033097	0.47553	0.001833	0.96849	-0.07033	0.12909
0.858	0.115212	0.01272	-0.02959	0.52358	-0.00224	0.96142	-0.0526	0.25658
2.72E-56	0.50297	2.59E-31	0.406004	5.84E-20	0.329924	2.55E-13	0.445226	4.05E-24
3.41E-18	0.142065	0.00209	0.126042	0.00638	0.062382	0.17837	0.093407	0.04364
5.65E-18	0.51021	2.58E-32	0.323742	7.42E-13	0.272686	2.09E-09	0.361749	6.95E-16
0.00014	-0.11004	0.01737	-0.04476	0.3345	0.004049	0.93047	0.033526	0.46982
5.35E-12	0.511018	1.98E-32	0.330297	2.38E-13	0.339675	4.48E-14	0.299729	3.78E-11
0.00057	0.190626	3.38E-05	0.187391	4.60E-05	0.156189	0.00071	0.033096	0.47554
0.77534	-0.04371	0.34589	-0.11855	0.01035	-0.10826	0.01927	-0.1129	0.01465
1.25E-22	0.314096	3.76E-12	0.182424	7.34E-05	0.131959	0.00428	0.181971	7.65E-05
5.93E-18	0.090397	0.05091	0.035802	0.4402	-0.03846	0.40697	0.107917	0.01967
1.33E-13	0.17834	0.00011	0.109149	0.0183	0.082209	0.07593	0.082252	0.07578
0.29042	0.065641	0.1567	0.107356	0.02032	0.113053	0.01451	-0.02304	0.6195
0.00993	0.106979	0.02076	0.098843	0.03272	0.016403	0.72369	0.037096	0.42383
0.04217	0.080095	0.08381	0.168815	0.00025	0.095117	0.03991	0.122015	0.0083
1.16E-09	0.063064	0.17366	0.030942	0.50475	-0.02756	0.55245	-0.01153	0.80383
3.51E-27	0.430318	1.79E-22	0.4004	2.08E-19	0.30514	1.61E-11	0.380461	1.56E-17
4.04E-11	0.18739	4.60E-05	0.04872	0.29342	0.000466	0.992	0.074531	0.10771
1.07E-22	0.460283	7.27E-26	0.371802	9.33E-17	0.385989	4.86E-18	0.354234	2.98E-15
2.15E-06	0.461049	5.90E-26	0.337326	6.85E-14	0.443471	6.39E-24	0.194348	2.35E-05
2.50E-06	0.178768	0.0001	0.170318	0.00022	0.130917	0.0046	0.10206	0.02743
8.61E-19	0.176085	0.00013	0.091662	0.04774	-0.07222	0.11911	0.205094	7.90E-06
2.49E-32	0.246357	6.93E-08	0.264276	6.66E-09	0.190353	3.47E-05	0.220733	1.46E-06

0.07311	0.138058	0.00279	-0.00638	0.89062	-0.00378	0.93502	-0.02526	0.58613
0.11645	-0.25894	1.36E-08	-0.10533	0.02282	-0.19028	3.49E-05	-0.17841	0.00011
0.3779	-0.19767	1.69E-05	-0.08713	0.05992	-0.12045	0.00917	-0.11478	0.01307
9.50E-06	0.052096	0.2612	0.080426	0.08253	0.03606	0.43691	0.156108	0.00071
0.87478	-0.08859	0.05575	-0.02469	0.59453	-0.01619	0.72707	-0.03728	0.42154
1.21E-06	0.086005	0.0633	0.064228	0.16584	0.040763	0.37946	0.108392	0.01913
6.09E-17	0.689896	3.03E-67	0.349811	6.88E-15	0.417074	4.44E-21	0.26514	5.93E-09
3.89E-12	0.029178	0.52936	-0.01538	0.7402	-0.05967	0.19803	0.134477	0.0036
4.00E-13	0.191532	3.09E-05	0.118897	0.01012	0.10428	0.02422	0.118143	0.01061
0.00658	0.224963	9.04E-07	0.030628	0.50909	0.024371	0.59936	0.108687	0.0188
0.00327	0.122336	0.00813	0.145312	0.00164	0.238028	1.94E-07	0.112909	0.01464
0.03188	0.134388	0.00362	0.102128	0.02732	0.114059	0.01365	0.056497	0.22299
5.19E-25	0.20174	1.12E-05	0.154232	0.00083	0.21351	3.23E-06	0.356882	1.79E-15
8.27E-09	0.165216	0.00034	0.205385	7.67E-06	0.159552	0.00054	0.172012	0.00019
6.28E-20	0.462403	4.06E-26	0.348285	9.17E-15	0.297277	5.54E-11	0.390617	1.79E-18
9.91E-05	0.124203	0.0072	0.052923	0.2537	-0.04438	0.3386	0.038555	0.40583
0.14412	-0.16666	0.0003	-0.28025	7.10E-10	-0.23993	1.54E-07	-0.1148	0.01305
9.73E-08	0.087041	0.06018	0.157103	0.00066	0.067513	0.14519	0.135149	0.00343
0.15588	-0.01061	0.81913	-0.07919	0.08738	-0.14695	0.00145	-0.11293	0.01462
0.18208	-0.04336	0.34978	0.041229	0.37402	0.032072	0.48932	-0.0765	0.09872
0.00083	0.236998	2.20E-07	0.177806	0.00011	0.145292	0.00164	0.188774	4.03E-05
7.46E-05	-0.00698	0.88037	-0.07379	0.11128	-0.12161	0.00852	-0.04341	0.34926
0.03642	0.105158	0.02304	0.077223	0.09555	0.049529	0.28547	-0.02877	0.53507
0.34868	-0.06996	0.13114	0.010782	0.81624	-0.06715	0.14734	0.04582	0.32313
3.70E-18	0.144625	0.00173	0.137636	0.00288	0.05237	0.2587	0.166086	0.00031
6.93E-43	0.510734	2.18E-32	0.369047	1.63E-16	0.334912	1.05E-13	0.419545	2.47E-21
2.10E-15	0.339268	4.82E-14	0.214238	2.99E-06	0.306228	1.35E-11	0.249297	4.78E-08
0.0007	-0.02437	0.59942	0.016145	0.72786	0.098868	0.03267	0.020526	0.65817
6.10E-30	-0.01224	0.79196	0.052092	0.26124	-0.08979	0.05249	0.159382	0.00055
8.71E-07	-0.00949	0.83795	0.061626	0.1837	0.106349	0.02153	-0.21913	1.74E-06
2.26E-08	0.061251	0.18639	-0.05977	0.19725	-0.06748	0.14542	-0.02142	0.64426
4.91E-19	0.403655	9.97E-20	0.381664	1.21E-17	0.395034	6.84E-19	0.410195	2.23E-20
0.01517	-0.08681	0.06087	-0.03446	0.45755	-0.10813	0.01942	-0.00017	0.99713
0.00028	-0.18113	8.27E-05	-0.15335	0.00089	-0.0659	0.15506	-0.17428	0.00015
9.72E-10	0.060535	0.1916	0.049918	0.2817	-0.01704	0.71344	0.003172	0.9455
1.09E-07	0.130963	0.00459	0.060463	0.19213	-0.08557	0.06467	0.035589	0.44292
0.52198	0.191545	3.09E-05	0.088949	0.05475	0.193282	2.61E-05	-0.0084	0.85637
6.96E-09	0.138573	0.00269	0.037091	0.4239	-0.0915	0.04814	0.091606	0.04787
0.00024	-0.07421	0.10925	0.051952	0.26253	-0.09076	0.04999	0.07846	0.09034
6.55E-05	0.114596	0.01321	0.002854	0.95096	0.003515	0.93961	-0.04031	0.38473
0.00136	0.199553	1.40E-05	0.122621	0.00798	0.193797	2.48E-05	0.046832	0.31254
2.40E-25	0.329769	2.62E-13	0.169229	0.00024	0.223804	1.03E-06	0.33601	8.67E-14
0.00025	0.126149	0.00634	0.039311	0.39668	0.087845	0.05784	0.044699	0.33512
0.37024	-0.01793	0.6991	0.028335	0.54132	-0.02562	0.58074	0.035378	0.44563
0.01078	0.224157	9.91E-07	0.155229	0.00076	0.188393	4.18E-05	0.153538	0.00087

1.31E-30	0.246522	6.79E-08	0.240982	1.35E-07	0.121764	0.00844	0.233989	3.15E-07
1.08E-14	0.343911	2.06E-14	0.337401	6.75E-14	0.251139	3.78E-08	0.237795	2.00E-07
3.27E-12	0.148665	0.00127	0.080799	0.08111	0.026851	0.56273	0.162117	0.00044
0.64949	0.00236	0.95944	-0.11719	0.01126	-0.15267	0.00093	-0.12718	0.00592
7.62E-11	0.240475	1.44E-07	0.209795	4.82E-06	0.188988	3.95E-05	0.140849	0.00228
0.10402	-0.10178	0.02786	-0.0585	0.20695	-0.15774	0.00062	-0.00987	0.83156
1.08E-23	-0.14954	0.00119	0.020086	0.66505	0.051366	0.26795	-0.2426	1.11E-07
0.0211	0.036529	0.43096	-0.02669	0.56505	-0.04439	0.33844	-0.16744	0.00028
4.97E-09	0.317573	2.11E-12	0.236968	2.21E-07	0.24153	1.26E-07	0.207795	5.96E-06
0.0007	0.159469	0.00054	0.10811	0.01945	0.161268	0.00047	0.14005	0.00242
2.56E-05	0.25806	1.53E-08	0.238548	1.82E-07	0.253377	2.83E-08	0.206232	7.02E-06
0.00038	0.195867	2.02E-05	0.176194	0.00013	0.157348	0.00064	0.134425	0.00361
0.00073	0.168057	0.00026	0.126566	0.00617	0.195375	2.12E-05	0.138707	0.00266
5.41E-30	0.115381	0.01259	0.118745	0.01022	-0.00958	0.83641	0.208201	5.71E-06
1.31E-17	0.151855	0.001	0.191183	3.20E-05	-0.01029	0.82456	0.204493	8.41E-06
9.94E-05	-0.04333	0.3502	-0.01957	0.67315	-0.06754	0.14506	0.020245	0.66256
0.38216	0.162133	0.00044	0.053166	0.25152	0.141744	0.00214	0.026339	0.5702
9.57E-13	-0.22382	1.03E-06	-0.0732	0.11418	-0.03477	0.45348	-0.16114	0.00047
0.94627	0.029594	0.52349	0.062004	0.18102	0.15741	0.00064	-0.04706	0.3102
2.83E-07	0.324906	6.08E-13	0.28685	2.69E-10	0.35915	1.15E-15	0.131113	0.00454
0.21062	0.080006	0.08415	0.009501	0.83776	0.062981	0.17423	0.013451	0.77188
1.77E-07	-0.06718	0.14719	-0.14742	0.0014	-0.08647	0.06187	-0.0215	0.64303
0.01031	0.008244	0.85898	-0.11627	0.01192	-0.11349	0.01413	-0.05322	0.25104
1.95E-23	0.462704	3.74E-26	0.230888	4.55E-07	0.265001	6.04E-09	0.275939	1.32E-09
0.09387	0.17075	0.00021	0.06899	0.13658	0.129626	0.00502	0.024722	0.5941
2.23E-06	0.297965	4.97E-11	0.274454	1.63E-09	0.239382	1.64E-07	0.063285	0.17216
0.1749	0.00813	0.8609	0.081037	0.08022	0.076122	0.10039	0.007928	0.86432
0.0016	-0.01206	0.79489	-0.00912	0.84414	0.018603	0.68844	-0.03661	0.42988
0.00258	0.038293	0.40903	0.077045	0.09632	0.142852	0.00197	0.010778	0.81631
1.17E-28	0.451402	7.98E-25	0.25728	1.70E-08	0.199706	1.37E-05	0.27901	8.49E-10
0.00797	0.093346	0.04378	0.144878	0.0017	0.137631	0.00288	0.030318	0.51338
1.92E-09	0.119053	0.01002	0.100934	0.02919	0.072652	0.11691	0.017851	0.70042
0.00015	0.462633	3.81E-26	0.31595	2.76E-12	0.283508	4.41E-10	0.158931	0.00057
5.82E-12	0.329425	2.78E-13	0.257304	1.69E-08	0.253678	2.72E-08	0.237097	2.17E-07
0.7346	0.073726	0.11158	-0.00313	0.94613	0.07014	0.13014	-0.02871	0.53601
0.00115	0.026591	0.56651	-0.09018	0.05146	-0.06757	0.14483	-0.04146	0.3713
0.4946	0.103073	0.02592	0.003244	0.94425	0.116917	0.01145	0.102025	0.02748
0.04198	0.265181	5.89E-09	0.108377	0.01915	0.17773	0.00011	0.041441	0.37157
0.00287	-0.04486	0.33333	-0.04292	0.35475	-0.12125	0.00872	-0.04236	0.3611
0.13425	0.148687	0.00127	0.191866	2.99E-05	0.125333	0.00669	-0.01357	0.7699
1.59E-23	0.25061	4.04E-08	0.270671	2.77E-09	0.213073	3.39E-06	0.503677	2.07E-31
0.05668	0.120366	0.00922	0.098487	0.03335	0.120266	0.00928	-0.005	0.91425
0.00035	0.096554	0.03699	-0.00632	0.8916	0.08624	0.06258	0.004787	0.91783
0.11291	0.035437	0.44487	-0.03061	0.50931	0.037065	0.42423	0.222545	1.19E-06
2.07E-06	0.272667	2.09E-09	0.10525	0.02292	0.019194	0.67908	0.152799	0.00092

5.91E-05	-0.08169	0.07781	-0.0793	0.08694	-0.11095	0.01646	-0.0526	0.25666
8.52E-14	0.099055	0.03234	0.127715	0.00571	-0.01805	0.69718	0.172831	0.00017
0.03335	0.093665	0.04306	0.012106	0.79415	0.051245	0.26909	-0.03688	0.4265
0.00423	0.103045	0.02596	-0.00023	0.99607	-0.02407	0.60386	0.090404	0.05089
0.00051	0.370495	1.22E-16	0.145089	0.00167	0.141336	0.0022	0.156109	0.00071
0.01017	0.195434	2.11E-05	0.047789	0.30275	0.055327	0.23274	0.021993	0.63546
0.19598	0.126646	0.00613	0.015432	0.73942	-0.04006	0.38768	0.005091	0.91263
0.03326	0.108331	0.0192	-0.01401	0.76261	-0.05621	0.22538	-0.00791	0.86457
0.18587	0.022531	0.62722	-0.04558	0.32569	-0.03876	0.40334	-0.10359	0.02518
0.01654	-0.09593	0.03823	-0.10555	0.02254	-0.05031	0.27792	-0.17386	0.00016
1.42E-11	-0.00978	0.83299	0.054317	0.24139	-0.13757	0.00289	-0.00574	0.90147
0.73927	0.232485	3.77E-07	0.034863	0.45229	0.043023	0.35358	-0.14238	0.00204
4.97E-05	0.147545	0.00139	0.234592	2.93E-07	0.198734	1.52E-05	0.116358	0.01186
3.23E-09	0.211477	4.03E-06	0.178493	0.00011	0.175415	0.00014	0.065354	0.15853
2.35E-15	0.534353	7.74E-36	0.380569	1.53E-17	0.407849	3.83E-20	0.225113	8.88E-07
8.38E-23	0.202684	1.01E-05	0.109269	0.01817	0.0245	0.59742	0.156828	0.00067
0.01973	-0.05012	0.27971	0.019064	0.68114	-0.0003	0.99489	-0.09605	0.03799
0.00017	0.099934	0.03083	0.131337	0.00447	0.064872	0.16163	0.034146	0.46165
0.00716	0.237647	2.03E-07	0.15343	0.00088	0.144806	0.0017	0.124521	0.00706
0.00317	-0.00886	0.8485	0.000313	0.99461	-0.03812	0.41112	-0.04668	0.31416
0.13073	0.183156	6.86E-05	0.034982	0.45075	0.052257	0.25973	-0.03935	0.39617
0.43467	0.012388	0.78947	-0.1466	0.00149	-0.1755	0.00014	-0.28813	2.22E-10
0.00022	0.157688	0.00063	0.270084	3.00E-09	0.211969	3.82E-06	0.013416	0.77246
1.76E-10	0.314228	3.68E-12	0.278091	9.69E-10	0.330624	2.25E-13	0.253107	2.93E-08
3.41E-32	0.538529	1.78E-36	0.348643	8.57E-15	0.34541	1.57E-14	0.355871	2.17E-15
1.35E-43	0.575096	1.81E-42	0.41008	2.29E-20	0.375112	4.74E-17	0.383466	8.30E-18
1.26E-08	0.182417	7.35E-05	0.125508	0.00661	0.114643	0.01318	0.162381	0.00043
1.18E-10	0.158655	0.00058	0.195839	2.03E-05	0.115655	0.01238	0.074998	0.10552
0.10726	0.173298	0.00017	0.150548	0.0011	0.160078	0.00052	0.14727	0.00142
5.20E-16	0.218553	1.86E-06	0.185734	5.39E-05	0.117298	0.01119	0.210103	4.66E-06
0.0023	-0.13606	0.00322	-0.20458	8.33E-06	-0.2145	2.90E-06	-0.07807	0.09196
7.80E-05	0.085042	0.06633	0.021472	0.6435	-0.02694	0.56145	0.015676	0.73547
0.01637	0.264944	6.09E-09	0.073914	0.11067	0.112302	0.01518	0.025755	0.57877
1.27E-13	0.153719	0.00086	0.138485	0.00271	0.097594	0.035	0.084414	0.06837
6.90E-22	0.286036	3.04E-10	0.188488	4.15E-05	0.185022	5.76E-05	0.284282	3.94E-10
0.32123	0.234967	2.80E-07	0.215208	2.69E-06	0.149778	0.00117	0.0791	0.08774
0.64945	0.217011	2.21E-06	0.039434	0.3952	0.085248	0.06567	-0.05762	0.21392
2.27E-37	0.675385	1.73E-63	0.513875	7.84E-33	0.458095	1.32E-25	0.497486	1.44E-30
2.44E-14	0.257643	1.62E-08	0.141729	0.00214	0.112412	0.01508	0.121494	0.00858
0.44422	0.29765	5.22E-11	0.242987	1.06E-07	0.192089	2.93E-05	0.085757	0.06407
0.00398	-0.03307	0.47587	-0.14644	0.00151	-0.11352	0.01411	-0.06218	0.17981
0.00043	0.0756	0.10275	0.109572	0.01785	0.007126	0.87793	0.044984	0.33205
2.07E-15	0.239934	1.54E-07	0.21372	3.16E-06	0.200736	1.24E-05	0.190318	3.48E-05
1.38E-20	0.289109	1.92E-10	0.232983	3.55E-07	0.17898	0.0001	0.292074	1.23E-10
2.42E-27	0.328747	3.13E-13	0.271271	2.54E-09	0.244429	8.83E-08	0.272886	2.03E-09

3.61E-28	0.250534	4.08E-08	0.300243	3.49E-11	0.206434	6.87E-06	0.345297	1.60E-14
1.59E-24	0.232685	3.68E-07	0.144846	0.0017	0.114512	0.01328	0.172937	0.00017
0.14363	-0.05307	0.25235	-0.03834	0.40844	-0.09132	0.04858	-0.04832	0.29739
9.35E-06	0.063064	0.17366	0.080956	0.08052	0.000862	0.98518	-0.0204	0.66016
0.94244	0.387943	3.20E-18	0.158182	0.0006	0.185616	5.45E-05	0.074746	0.1067
0.00062	0.358889	1.21E-15	0.250369	4.17E-08	0.235243	2.71E-07	0.241474	1.27E-07
0.06245	-0.19391	2.45E-05	-0.04834	0.29722	-0.18957	3.74E-05	-0.08655	0.06163
0.43136	0.154872	0.00078	0.068479	0.13951	0.106802	0.02098	-0.07673	0.09769
1.12E-10	0.08389	0.07011	0.083564	0.07121	0.049555	0.28521	0.090656	0.05024
0.35553	-0.00494	0.9152	0.049211	0.28858	-0.05615	0.22584	0.012751	0.78346
0.11616	0.096684	0.03674	0.038805	0.40279	0.116904	0.01146	0.077287	0.09528
4.84E-05	0.313098	4.43E-12	0.285496	3.29E-10	0.39542	6.28E-19	0.188858	4.00E-05
0.00097	0.111756	0.01568	0.188624	4.09E-05	0.189226	3.86E-05	0.188316	4.22E-05
2.55E-14	0.188777	4.03E-05	0.130544	0.00472	0.073875	0.11086	0.110353	0.01705
4.20E-14	-0.2071	6.41E-06	-0.01235	0.7901	0.041253	0.37375	-0.12977	0.00497
1.00E-10	0.164173	0.00037	0.135602	0.00332	0.058371	0.208	0.083413	0.07172
0.01882	0.138156	0.00277	0.147712	0.00137	0.184706	5.93E-05	0.074856	0.10618
5.34E-12	0.194549	2.30E-05	0.195132	2.17E-05	0.160389	0.0005	0.174321	0.00015
7.75E-35	0.45469	3.32E-25	0.425383	6.02E-22	0.427077	3.98E-22	0.432483	1.04E-22
8.27E-07	0.134945	0.00348	0.138763	0.00265	0.044746	0.33461	0.085706	0.06423
0.01956	0.105078	0.02315	0.050406	0.27701	0.032597	0.48223	0.062712	0.17608
4.86E-19	0.351509	5.00E-15	0.311085	6.16E-12	0.305789	1.45E-11	0.220525	1.49E-06
1.17E-19	0.538274	1.95E-36	0.378377	2.41E-17	0.35221	4.38E-15	0.289507	1.81E-10
2.04E-10	0.400489	2.03E-19	0.272434	2.16E-09	0.256961	1.77E-08	0.273846	1.77E-09
6.54E-17	0.399223	2.70E-19	0.28338	4.50E-10	0.254398	2.48E-08	0.331758	1.84E-13
0.00881	0.177441	0.00012	0.024448	0.5982	0.021265	0.64669	-0.04932	0.2875
1.21E-07	0.197906	1.65E-05	0.149971	0.00115	0.15622	0.0007	0.088887	0.05492
0.57476	0.044559	0.33664	0.082534	0.07478	0.167039	0.00029	-0.04254	0.35903
2.30E-05	0.060199	0.19408	0.054036	0.24384	0.015399	0.73996	-0.05732	0.21631
1.05E-08	0.304541	1.77E-11	0.260714	1.08E-08	0.232346	3.83E-07	0.226153	7.88E-07
1.94E-46	0.519397	1.27E-33	0.462679	3.77E-26	0.364771	3.83E-16	0.519824	1.10E-33
7.29E-12	0.221572	1.33E-06	0.173318	0.00017	0.149476	0.0012	0.200226	1.30E-05
2.15E-09	0.009978	0.82972	0.012276	0.79132	-0.07465	0.10715	-0.00035	0.99393
9.40E-08	0.214646	2.86E-06	0.141188	0.00223	0.130276	0.00481	0.190219	3.51E-05
0.02594	0.024774	0.59333	-0.0473	0.30775	-0.1206	0.00909	0.076693	0.09786
2.25E-07	0.358692	1.26E-15	0.201957	1.09E-05	0.183905	6.40E-05	0.244363	8.90E-08
4.13E-07	0.288802	2.01E-10	0.256275	1.94E-08	0.268847	3.56E-09	0.217773	2.03E-06
2.04E-08	0.404406	8.40E-20	0.268892	3.54E-09	0.27437	1.65E-09	0.190329	3.47E-05
1.70E-12	0.149063	0.00123	0.091687	0.04768	0.072262	0.11889	0.127758	0.0057
0.00117	-0.08197	0.0768	0.019976	0.66678	-0.05739	0.21577	-0.04698	0.31106
2.56E-22	0.19857	1.54E-05	0.244476	8.78E-08	0.161985	0.00044	0.316682	2.45E-12
9.15E-07	0.114459	0.01332	0.037747	0.41575	0.010885	0.81452	-0.01193	0.79705
0.02712	0.069774	0.13216	0.107647	0.01998	0.164701	0.00035	0.008643	0.85223
5.60E-07	0.04864	0.29421	-0.01711	0.71222	-0.02195	0.63609	0.066291	0.15263
5.14E-06	0.104473	0.02396	-0.08531	0.06548	-0.01397	0.76328	0.120014	0.00943

5.36E-08	0.434596	6.15E-23	0.153386	0.00088	0.146622	0.00149	0.12941	0.0051
3.42E-19	0.438767	2.14E-23	0.427584	3.51E-22	0.466908	1.16E-26	0.407846	3.83E-20
1.07E-32	0.444971	4.33E-24	0.274629	1.59E-09	0.244443	8.81E-08	0.33225	1.69E-13
2.73E-12	0.068934	0.1369	0.047637	0.3043	-0.00543	0.90692	-0.00134	0.97688
9.50E-11	0.512243	1.33E-32	0.343616	2.18E-14	0.412896	1.19E-20	0.287787	2.34E-10
0.24751	0.043276	0.35076	0.016491	0.72226	0.026938	0.56146	-0.08964	0.05288
0.02492	0.036591	0.43017	-0.00635	0.89106	0.063693	0.1694	-0.13395	0.00373
2.29E-16	0.415975	5.76E-21	0.268913	3.53E-09	0.254087	2.58E-08	0.330593	2.26E-13
1.71E-15	0.171815	0.00019	0.164098	0.00037	0.143567	0.00187	0.178035	0.00011
0.00371	0.035395	0.44541	0.006008	0.89697	0.068968	0.1367	0.051368	0.26793
0.51931	0.079275	0.08704	0.113583	0.01405	0.106677	0.02113	-0.02293	0.62109
0.03411	0.168009	0.00027	0.203516	9.31E-06	0.218149	1.95E-06	0.029652	0.52268
0.05233	-0.06031	0.19325	-0.01138	0.80629	-0.06391	0.16796	-0.10445	0.024
3.09E-15	0.344924	1.71E-14	0.176	0.00013	0.136147	0.0032	0.168699	0.00025
1.33E-08	0.188319	4.21E-05	0.213701	3.17E-06	0.104962	0.0233	0.155993	0.00072
8.02E-28	0.189504	3.76E-05	0.107438	0.02022	0.06975	0.1323	0.263805	7.10E-09
2.23E-17	0.349277	7.61E-15	0.163841	0.00038	0.155497	0.00075	0.174493	0.00015
0.00029	0.046742	0.31348	0.028535	0.53847	0.000827	0.98577	-0.06533	0.1587
2.53E-06	0.110031	0.01738	0.203204	9.61E-06	0.079948	0.08438	0.075583	0.10282
3.71E-11	0.112798	0.01473	0.077584	0.094	0.031609	0.49561	0.028721	0.53583
0.00072	0.015624	0.7363	-0.02227	0.63121	-0.05468	0.23827	-0.12965	0.00502
0.00663	0.190883	3.29E-05	0.090798	0.04988	0.085318	0.06545	0.010731	0.8171
2.37E-06	0.351708	4.81E-15	0.304371	1.82E-11	0.383199	8.79E-18	0.166574	0.0003
5.39E-10	0.143888	0.00182	0.05456	0.23929	0.009649	0.83526	0.110542	0.01686
0.0686	0.105552	0.02253	0.1536	0.00087	0.106869	0.02089	0.103341	0.02554
1.24E-07	0.075134	0.10489	0.058167	0.20959	0.02956	0.52397	0.025217	0.58674
3.55E-08	0.069697	0.13259	0.018098	0.69648	-0.02701	0.56048	-0.05646	0.22331
7.57E-09	0.172356	0.00018	0.125387	0.00667	0.070725	0.12696	0.020606	0.65693
6.23E-26	0.407808	3.86E-20	0.408589	3.23E-20	0.356865	1.80E-15	0.312572	4.83E-12
0.00292	0.069646	0.13288	0.057413	0.21557	-0.04485	0.33354	0.059685	0.19792
7.96E-18	0.304487	1.78E-11	0.176668	0.00012	0.161008	0.00048	0.176213	0.00013
5.78E-15	0.265926	5.32E-09	0.194843	2.24E-05	0.179683	9.45E-05	0.184866	5.85E-05
9.03E-07	0.092031	0.04684	0.038797	0.40289	-0.01032	0.824	0.010373	0.8231
0.33187	-0.15502	0.00078	-0.11567	0.01237	-0.13843	0.00272	-0.16242	0.00043
1.09E-06	0.191816	3.01E-05	0.076992	0.09655	0.044756	0.3345	-0.00187	0.96785
9.91E-16	0.386532	4.32E-18	0.284777	3.66E-10	0.314688	3.41E-12	0.261216	1.01E-08
4.40E-22	0.37585	4.07E-17	0.288753	2.03E-10	0.253535	2.77E-08	0.26122	1.01E-08
6.39E-15	0.11137	0.01605	0.141025	0.00225	0.058754	0.20502	0.083817	0.07035
0.65577	-0.17635	0.00013	-0.11635	0.01186	-0.21442	2.93E-06	-0.10601	0.02195
0.00016	-0.03308	0.47577	-0.03685	0.42693	-0.09481	0.04057	0.126596	0.00615
0.00423	0.015889	0.732	-0.05242	0.25826	-0.15426	0.00082	-0.10641	0.02145
2.46E-24	0.212205	3.72E-06	0.094357	0.04153	0.084657	0.06757	0.146473	0.0015
1.17E-53	0.552388	1.16E-38	0.485808	4.97E-29	0.431443	1.35E-22	0.480932	2.10E-28
0.0007	0.363183	5.24E-16	0.259968	1.19E-08	0.342976	2.45E-14	0.140455	0.00235
9.38E-27	0.369698	1.43E-16	0.364983	3.67E-16	0.222887	1.14E-06	0.410702	1.98E-20



2.27E-17	0.344685	1.79E-14	0.254256	2.52E-08	0.28694	2.66E-10	0.285378	3.35E-10
0.00088	0.050175	0.27922	0.119505	0.00974	0.113599	0.01404	0.051499	0.26672
2.87E-16	0.152335	0.00096	0.134766	0.00352	0.082212	0.07592	0.107983	0.01959
1.62E-05	0.200153	1.31E-05	0.195393	2.12E-05	0.217361	2.12E-06	0.065861	0.15531
0.00066	-0.13374	0.00379	-0.11045	0.01695	-0.11336	0.01425	-0.16294	0.00041
0.11752	0.079522	0.08605	-0.0647	0.16272	-0.05362	0.24748	-0.14758	0.00138
0.01161	-0.0622	0.17965	0.051928	0.26275	0.020575	0.65742	-0.05231	0.25922
2.59E-05	0.074776	0.10656	0.054949	0.23595	0.02453	0.59697	0.110568	0.01683
0.01998	0.128745	0.00533	0.058617	0.20608	0.0887	0.05543	-0.0558	0.22874
0.38125	0.012968	0.77987	0.034514	0.45683	0.053312	0.25022	-0.03691	0.4262
1.09E-08	-0.01804	0.69735	0.128062	0.00558	0.189841	3.64E-05	-0.07562	0.10265
0.00017	0.168677	0.00025	0.099616	0.03137	0.090786	0.04992	-0.03833	0.40854
1.55E-08	-0.0438	0.34494	-0.03141	0.49831	-0.11264	0.01487	0.048353	0.29707
0.23816	0.108838	0.01864	0.026312	0.57059	0.045315	0.3285	-0.07964	0.08558
0.00015	0.184828	5.87E-05	0.131621	0.00438	0.132913	0.00401	0.128191	0.00553
1.88E-09	0.109319	0.01812	0.052204	0.26022	-0.0124	0.78931	0.056014	0.22698
1.97E-12	0.357292	1.65E-15	0.233985	3.15E-07	0.223489	1.07E-06	0.201804	1.11E-05
3.26E-53	0.621342	3.25E-51	0.518191	1.90E-33	0.430331	1.78E-22	0.477031	6.53E-28
3.95E-64	0.340592	3.79E-14	0.281446	5.96E-10	0.128351	0.00547	0.402889	1.19E-19
1.36E-06	-0.04102	0.37645	0.020549	0.65782	-0.00767	0.86866	-0.13683	0.00305
0.00035	0.239137	1.69E-07	0.110943	0.01646	0.127945	0.00562	0.0873	0.05941
0.03124	0.31605	2.72E-12	0.272924	2.02E-09	0.269121	3.43E-09	-0.02656	0.56702
2.85E-31	0.46129	5.52E-26	0.34928	7.61E-15	0.325283	5.70E-13	0.397432	4.02E-19
4.05E-23	0.190706	3.35E-05	0.100797	0.02941	0.027608	0.55175	0.171536	0.0002
1.21E-06	0.107525	0.02012	0.037976	0.41292	0.018325	0.69286	0.015004	0.74641
3.96E-23	0.118599	0.01031	-0.07039	0.12877	-0.18331	6.76E-05	0.028023	0.54579
0.00012	-0.17107	0.0002	-0.07471	0.10689	-0.12282	0.00788	0.080444	0.08246
2.55E-14	0.016886	0.71589	0.103308	0.02558	-0.00577	0.90108	0.137751	0.00285
0.02005	0.209399	5.03E-06	0.22121	1.38E-06	0.175305	0.00014	-0.01541	0.73986
1.57E-05	0.186963	4.80E-05	0.22954	5.33E-07	0.187123	4.72E-05	0.2018	1.11E-05
0.46828	-0.02727	0.55658	-0.08981	0.05243	0.010883	0.81455	0.073942	0.11053
1.86E-19	0.391606	1.45E-18	0.232418	3.80E-07	0.278349	9.33E-10	0.23417	3.08E-07
0.07998	0.186073	5.22E-05	0.127806	0.00568	0.192778	2.74E-05	0.020989	0.65097
0.00182	0.284836	3.63E-10	0.165323	0.00033	0.141425	0.00219	0.023353	0.6147
0.40582	0.111148	0.01626	0.078914	0.08849	0.104078	0.0245	-0.14168	0.00215
7.54E-14	0.220268	1.54E-06	0.099289	0.03194	0.06801	0.14225	0.082645	0.07438
0.02066	0.00704	0.87941	-0.00394	0.93241	-0.03328	0.47312	-0.09967	0.03129
0.00063	0.214984	2.75E-06	0.186254	5.13E-05	0.13145	0.00444	0.13663	0.00309
2.05E-05	0.090755	0.04999	0.055458	0.23163	0.035057	0.44978	-0.0646	0.16338
4.38E-14	0.214731	2.83E-06	0.239136	1.70E-07	0.12602	0.00639	0.187967	4.36E-05
3.12E-16	0.076054	0.10069	0.092516	0.04569	-0.02766	0.55101	0.036713	0.42865
4.58E-16	0.235583	2.60E-07	0.177751	0.00011	0.145892	0.00157	0.294262	8.81E-11
6.83E-10	0.114485	0.0133	0.132605	0.0041	0.081444	0.07871	0.029626	0.52306
0.11372	0.22464	9.38E-07	-0.03924	0.39752	0.027795	0.54907	-0.11886	0.01014
0.01869	-0.10985	0.01756	-0.0736	0.11218	-0.1468	0.00147	-0.06349	0.17075

2.06E-08	0.078193	0.09144	0.041204	0.37431	-0.09436	0.04152	0.080097	0.0838
7.13E-06	0.327611	3.81E-13	0.223152	1.11E-06	0.091203	0.04887	0.099683	0.03126
6.96E-19	0.26563	5.54E-09	0.221458	1.34E-06	0.155436	0.00075	0.257599	1.63E-08
2.56E-17	0.006964	0.8807	-0.07942	0.08646	-0.12358	0.0075	0.049281	0.28789
0.17562	-0.03608	0.43662	-0.02299	0.62024	0.030867	0.50578	-0.10851	0.019
2.54E-16	0.136621	0.00309	0.112091	0.01537	-0.00415	0.92877	0.193805	2.48E-05
6.48E-38	0.198974	1.48E-05	0.180324	8.91E-05	0.090049	0.05181	0.279154	8.31E-10
2.21E-09	0.204508	8.40E-06	0.144122	0.00179	0.093753	0.04286	0.135413	0.00337
4.22E-11	0.112681	0.01484	0.110153	0.01725	0.051525	0.26648	0.200235	1.30E-05
3.16E-18	-0.1503	0.00112	-0.09933	0.03187	-0.00315	0.94583	-0.1449	0.00169
0.00368	0.130579	0.00471	0.019663	0.67169	-0.00671	0.885	-0.0296	0.52338
0.00044	0.113674	0.01397	0.119174	0.00995	0.111161	0.01625	0.053907	0.24496
0.25828	0.186654	4.94E-05	0.115871	0.01222	0.117521	0.01103	0.054535	0.2395
0.56145	-0.16254	0.00042	-0.06834	0.14031	-0.05242	0.25827	0.022852	0.62231
4.63E-08	0.287148	2.58E-10	0.077436	0.09464	-0.00753	0.87111	0.139988	0.00243
9.04E-21	0.30654	1.29E-11	0.210744	4.35E-06	0.190371	3.46E-05	0.205231	7.79E-06
5.73E-15	0.332571	1.60E-13	0.260742	1.07E-08	0.276315	1.25E-09	0.253687	2.72E-08
2.76E-17	0.340952	3.55E-14	0.251373	3.66E-08	0.210221	4.60E-06	0.179198	9.87E-05
0.10374	0.033342	0.47227	0.023563	0.61151	0.097522	0.03513	-0.05737	0.21591
7.81E-08	0.029134	0.52998	0.061723	0.18301	-0.02815	0.54395	0.027416	0.55453
0.48186	0.030218	0.51477	0.080113	0.08374	0.015813	0.73323	-0.01354	0.77044
2.58E-07	0.237222	2.14E-07	0.229175	5.56E-07	0.289038	1.94E-10	0.248569	5.24E-08
2.61E-30	0.273422	1.88E-09	0.185154	5.69E-05	0.105169	0.02303	0.15934	0.00055
6.89E-27	0.34718	1.13E-14	0.395229	6.55E-19	0.338503	5.54E-14	0.561109	4.35E-40
2.63E-09	0.247063	6.34E-08	0.143466	0.00188	0.137814	0.00284	0.08448	0.06815
0.11158	0.069966	0.1311	0.050515	0.27598	0.036011	0.43753	0.077429	0.09467
5.89E-15	0.536363	3.82E-36	0.373848	6.15E-17	0.42327	1.01E-21	0.273598	1.84E-09
9.68E-06	0.183362	6.73E-05	0.19389	2.46E-05	0.080177	0.08349	0.045906	0.32222
1.42E-13	0.420285	2.06E-21	0.257573	1.63E-08	0.267861	4.08E-09	0.268826	3.57E-09
0.0006	0.098092	0.03407	0.213665	3.18E-06	0.125909	0.00644	0.196535	1.89E-05
2.45E-14	-0.11376	0.0139	-0.15141	0.00103	-0.27267	2.09E-09	0.129064	0.00522
0.31442	0.265899	5.34E-09	0.062405	0.17821	0.126596	0.00615	-0.02216	0.63296
0.00605	0.165062	0.00034	0.226159	7.88E-07	0.168336	0.00026	0.000762	0.98689
0.00145	0.269235	3.38E-09	0.115649	0.01239	0.200862	1.22E-05	0.17508	0.00014
3.95E-24	-0.18305	6.93E-05	-0.12655	0.00617	-0.09119	0.04889	-0.32063	1.26E-12
0.88465	-0.17841	0.00011	-0.05192	0.26284	-0.14001	0.00243	-0.15374	0.00086
2.10E-12	0.426242	4.88E-22	0.33484	1.07E-13	0.302482	2.45E-11	0.279836	7.53E-10
4.69E-06	-0.04395	0.34334	0.131004	0.00457	-0.00614	0.89479	0.070427	0.12858
3.61E-29	0.228321	6.14E-07	0.128992	0.00524	0.031391	0.49858	0.187597	4.52E-05
1.66E-29	0.284213	3.98E-10	0.16551	0.00033	0.192059	2.94E-05	0.250478	4.11E-08
2.78E-15	0.096789	0.03653	0.122718	0.00793	0.012159	0.79327	0.129581	0.00504
0.0006	0.027184	0.55789	0.040162	0.38653	0.019185	0.67923	-0.05567	0.22982
4.17E-07	0.075004	0.10549	0.067782	0.14359	-0.00034	0.99417	-0.07493	0.10584
1.39E-16	0.218216	1.93E-06	0.220967	1.42E-06	0.051357	0.26804	0.276532	1.21E-09
2.36E-43	0.645434	2.22E-56	0.34673	1.23E-14	0.308388	9.54E-12	0.415054	7.16E-21

0.28456	-0.10479	0.02353	-0.23685	2.24E-07	-0.25715	1.73E-08	-0.16748	0.00028
0.86348	0.025921	0.57633	-0.06711	0.14764	0.038005	0.41257	-0.0956	0.03891
0.00055	-0.02806	0.54519	-0.02154	0.64243	-0.07442	0.10824	4.48E-05	0.99923
1.12E-17	0.183636	6.56E-05	0.119471	0.00976	0.079083	0.08781	0.121926	0.00835
0.00542	0.114974	0.01291	0.131491	0.00442	0.151824	0.001	0.121381	0.00865
0.00192	0.08211	0.07629	0.093254	0.04398	0.101403	0.02844	0.143892	0.00182
1.78E-15	0.092602	0.04549	0.095946	0.03821	0.019569	0.67317	0.036698	0.42883
2.76E-13	0.053419	0.24927	0.095207	0.03973	-0.00813	0.86083	0.159007	0.00056
2.15E-07	0.132077	0.00425	0.038559	0.40579	-0.01697	0.71449	-0.08817	0.05691
0.52193	0.205963	7.22E-06	0.180115	9.08E-05	0.265483	5.66E-09	0.100283	0.03025
0.01876	0.097748	0.03471	0.063923	0.16787	0.146611	0.00149	0.00653	0.88807
0.14872	-0.06205	0.18072	-0.11298	0.01458	-0.21197	3.82E-06	-0.09122	0.04882
8.50E-07	0.161826	0.00045	0.148334	0.00131	0.147495	0.00139	0.059622	0.1984
1.03E-05	0.19139	3.13E-05	0.1483	0.00131	0.094785	0.04061	0.16033	0.00051
7.48E-26	0.22729	6.92E-07	0.26834	3.82E-09	0.159519	0.00054	0.123386	0.0076
2.06E-32	0.293761	9.51E-11	0.296829	5.93E-11	0.205891	7.27E-06	0.329203	2.89E-13
1.23E-26	0.156091	0.00071	0.14061	0.00232	0.009738	0.83376	0.239533	1.61E-07
1.68E-48	0.311477	5.78E-12	0.157367	0.00064	0.111937	0.01552	0.365254	3.48E-16
0.39296	0.275683	1.37E-09	0.209283	5.09E-06	0.365045	3.62E-16	0.161063	0.00048
4.59E-05	-0.09981	0.03104	-0.11473	0.0131	-0.13895	0.00262	-0.30584	1.44E-11
0.00433	0.22075	1.46E-06	0.159909	0.00052	0.125891	0.00645	0.148263	0.00131
1.38E-07	0.113996	0.0137	0.11435	0.01341	0.092508	0.04571	0.138017	0.0028
4.37E-07	-0.13171	0.00436	-0.11459	0.01322	-0.23851	1.83E-07	-0.1096	0.01782
3.12E-20	0.230859	4.56E-07	0.293745	9.53E-11	0.155198	0.00076	0.324642	6.36E-13
1.72E-05	-0.19628	1.94E-05	-0.08719	0.05973	-0.15764	0.00063	-0.18196	7.66E-05
0.20529	-0.05785	0.21205	-0.05867	0.20566	-0.10076	0.02947	-0.00932	0.84085
0.19928	0.35535	2.40E-15	0.123386	0.0076	0.193848	2.47E-05	0.089939	0.0521
1.01E-09	-0.12758	0.00576	0.024638	0.59535	0.082936	0.07337	-0.16864	0.00025
5.31E-13	0.167422	0.00028	0.112553	0.01495	0.011162	0.80988	0.064069	0.1669
5.59E-25	0.381693	1.21E-17	0.249378	4.73E-08	0.235852	2.52E-07	0.373165	7.07E-17
7.09E-10	0.129571	0.00504	0.061049	0.18785	0.031838	0.49249	0.057497	0.2149
1.08E-12	0.149457	0.0012	0.113495	0.01413	0.073015	0.11509	0.062743	0.17587
6.78E-21	0.300507	3.35E-11	0.193295	2.60E-05	0.163616	0.00038	0.177339	0.00012
1.48E-14	0.155583	0.00074	0.120367	0.00922	0.083356	0.07192	0.054886	0.23649
1.05E-30	0.28855	2.09E-10	0.308111	9.98E-12	0.173546	0.00016	0.289479	1.82E-10
1.19E-32	0.259348	1.29E-08	0.217474	2.10E-06	0.07701	0.09647	0.297744	5.15E-11
0.68399	-0.25226	3.27E-08	-0.14887	0.00125	-0.17263	0.00018	-0.11005	0.01736
2.40E-07	0.159759	0.00053	0.12582	0.00648	0.001497	0.97426	0.039427	0.39529
4.77E-16	0.225522	8.48E-07	0.101604	0.02813	0.077297	0.09523	0.299889	3.69E-11
0.00063	-0.11086	0.01655	-0.14168	0.00215	-0.19507	2.18E-05	-0.14192	0.00211
4.71E-05	-0.01813	0.69597	-0.03886	0.4021	-0.03395	0.46427	-0.03643	0.43218
2.51E-09	-0.22654	7.54E-07	-0.13247	0.00413	-0.21759	2.07E-06	-0.15138	0.00103
7.34E-27	0.332857	1.52E-13	0.245465	7.75E-08	0.139417	0.00253	0.346207	1.35E-14
0.08859	-0.03456	0.45627	-0.04647	0.31635	-0.10047	0.02994	0.146422	0.00151
7.88E-20	0.31152	5.74E-12	0.143303	0.00191	0.072117	0.11964	0.153983	0.00084

2.36E-16	0.453169	4.98E-25	0.278026	9.78E-10	0.152424	0.00095	0.318927	1.68E-12
1.25E-15	-0.01291	0.78076	-0.07867	0.08947	-0.19833	1.58E-05	0.151331	0.00104
1.62E-05	0.020101	0.66483	0.062814	0.17538	0.010179	0.82635	-0.01117	0.80977
0.03148	-0.06841	0.13993	0.030662	0.50862	0.099994	0.03073	0.148193	0.00132
0.00024	0.15166	0.00101	0.001879	0.96769	0.010731	0.8171	-0.06618	0.15334
0.152	0.154707	0.0008	0.044826	0.33375	0.092739	0.04517	0.083572	0.07118
1.81E-13	0.046034	0.32087	0.127687	0.00572	-0.03243	0.48449	0.20891	5.29E-06
0.47566	0.295746	7.01E-11	0.254262	2.52E-08	0.263726	7.18E-09	0.090805	0.04987
1.16E-24	0.249521	4.64E-08	0.084885	0.06684	-0.05718	0.21747	0.166778	0.00029
4.00E-16	0.194805	2.24E-05	0.178154	0.00011	0.130213	0.00483	0.161623	0.00045
1.12E-10	0.25357	2.76E-08	0.221971	1.27E-06	0.238714	1.78E-07	0.208185	5.72E-06
0.41715	0.147188	0.00142	0.049727	0.28355	0.010726	0.81719	0.118026	0.01069
0.01741	0.145673	0.0016	0.180172	9.03E-05	0.09272	0.04522	0.111192	0.01622
0.04565	0.042422	0.36035	-0.08953	0.05318	-0.02025	0.66247	0.011841	0.79856
5.80E-06	0.080004	0.08416	0.025096	0.58853	-0.00858	0.85332	-0.0622	0.17963
7.02E-13	0.15819	0.0006	0.070607	0.1276	0.013008	0.7792	0.08614	0.06289
1.26E-13	0.247351	6.12E-08	0.145587	0.00161	0.138105	0.00278	0.101045	0.02901
0.00158	0.145179	0.00166	0.01581	0.73328	0.023755	0.60862	0.069408	0.13421
0.06116	0.06633	0.15239	0.056444	0.22343	0.071123	0.12483	-0.02585	0.57735
0.12479	-0.10138	0.02848	-0.15112	0.00105	-0.08606	0.06312	-0.24958	4.61E-08
0.00144	0.117118	0.01131	0.126155	0.00634	0.146726	0.00148	0.059675	0.198
3.38E-05	0.061507	0.18455	0.031537	0.49659	0.013036	0.77874	-0.04268	0.35744
0.12841	0.069447	0.13399	0.071325	0.12376	0.032541	0.48299	0.11594	0.01217
4.21E-15	-0.21582	2.51E-06	-0.27202	2.29E-09	-0.13189	0.0043	-0.21664	2.30E-06
0.00167	0.128041	0.00559	0.195756	2.04E-05	0.171858	0.00019	0.054817	0.23708
0.28062	0.111113	0.01628	-0.07476	0.10662	0.05632	0.22445	-0.12224	0.00818
1.94E-11	0.453042	5.16E-25	0.213399	3.27E-06	0.18804	4.33E-05	0.171038	0.0002
2.34E-29	0.347168	1.13E-14	0.310215	7.10E-12	0.27889	8.63E-10	0.339753	4.42E-14
0.00064	0.263778	7.13E-09	0.235419	2.66E-07	0.279028	8.46E-10	0.242205	1.16E-07
0.68466	0.177641	0.00011	0.194016	2.43E-05	0.288845	2.00E-10	0.099986	0.03075
0.57232	0.033364	0.47198	-0.15036	0.00112	-0.13557	0.00333	-0.02507	0.58886
3.79E-09	0.095972	0.03815	0.067638	0.14445	-0.00285	0.95109	0.133142	0.00395
0.09169	0.166604	0.0003	0.158495	0.00059	0.097056	0.03602	-0.02022	0.66288
7.61E-05	0.023073	0.61895	0.041182	0.37457	-0.00708	0.87874	0.036526	0.431
0.00028	0.172109	0.00019	0.140007	0.00243	0.163133	0.0004	0.090865	0.04971
0.01199	0.376974	3.23E-17	0.285145	3.47E-10	0.373919	6.06E-17	0.206098	7.12E-06
2.64E-18	0.233043	3.53E-07	0.254637	2.40E-08	0.126775	0.00608	0.181946	7.67E-05
2.69E-10	0.131116	0.00454	0.070958	0.12571	0.028302	0.54179	0.107264	0.02042
3.71E-17	0.36966	1.44E-16	0.326065	4.98E-13	0.260947	1.04E-08	0.381015	1.39E-17
0.00161	0.023156	0.61769	-0.04306	0.35312	0.021446	0.64389	0.029439	0.52568
2.39E-07	0.082782	0.0739	-0.03528	0.44686	-0.02383	0.60745	0.038222	0.4099
1.88E-41	0.329279	2.85E-13	0.242192	1.17E-07	0.159809	0.00053	0.369669	1.44E-16
0.16113	0.048076	0.29985	-0.01747	0.70648	-0.0237	0.60939	-0.05321	0.25116
0.80732	0.120589	0.00909	0.021354	0.64532	-0.05738	0.21582	0.03898	0.40066
0.00012	0.067044	0.14802	0.126611	0.00615	0.107289	0.02039	-0.02939	0.52631

1.48E-46	0.462109	4.41E-26	0.448207	1.86E-24	0.356638	1.88E-15	0.477009	6.57E-28
0.6423	0.07892	0.08846	0.174271	0.00015	0.091273	0.04869	0.027682	0.5507
4.54E-09	0.286955	2.65E-10	0.250421	4.14E-08	0.289491	1.82E-10	0.182461	7.32E-05
0.00061	0.174	0.00016	0.127872	0.00565	0.093088	0.04437	0.06278	0.17562
7.44E-14	0.221196	1.38E-06	0.264431	6.53E-09	0.182098	7.57E-05	0.224845	9.16E-07
0.00443	0.059664	0.19808	0.026143	0.57307	0.059499	0.19932	-0.01145	0.80507
5.53E-07	0.057715	0.21316	0.016685	0.71913	-0.02547	0.58292	-0.04994	0.28147
0.00024	0.081479	0.07858	0.049007	0.29058	-0.01028	0.82465	-0.05444	0.24035
2.23E-08	0.146325	0.00152	0.041611	0.36961	0.013354	0.77348	0.049305	0.28765
2.81E-10	-0.05796	0.21124	0.012365	0.78985	-0.12042	0.00919	-0.03886	0.4021
0.37527	0.015557	0.73739	0.091139	0.04903	-0.04121	0.37424	-0.01592	0.73143
0.00053	0.029148	0.52978	-0.00175	0.96987	-0.04757	0.30496	0.044317	0.33928
2.68E-06	0.423039	1.06E-21	0.225561	8.44E-07	0.308343	9.61E-12	0.282659	5.00E-10
3.43E-12	0.223573	1.06E-06	0.175043	0.00014	0.084209	0.06904	0.15143	0.00103
0.01579	0.041381	0.37227	0.020259	0.66235	-0.00036	0.99387	0.165718	0.00032
1.71E-09	0.062123	0.18018	0.054785	0.23735	0.007402	0.87326	-0.00894	0.8472
4.47E-13	0.284843	3.63E-10	0.222164	1.24E-06	0.218357	1.90E-06	0.246765	6.59E-08
0.00661	0.035431	0.44495	0.025371	0.58445	9.73E-05	0.99833	0.148777	0.00126
1.62E-05	0.13616	0.0032	0.163269	0.0004	0.162389	0.00043	0.173143	0.00017
0.00018	0.460185	7.47E-26	0.336208	8.37E-14	0.37226	8.50E-17	0.205849	7.30E-06
5.34E-05	0.216274	2.39E-06	0.0743	0.10882	0.110561	0.01684	0.027747	0.54976
8.09E-15	0.292088	1.23E-10	0.238854	1.75E-07	0.176751	0.00012	0.376263	3.74E-17
0.00014	0.294209	8.88E-11	0.106695	0.0211	0.144791	0.00171	0.06076	0.18995
1.67E-06	0.210724	4.36E-06	0.159411	0.00054	0.157515	0.00064	0.110932	0.01647
8.59E-12	0.15681	0.00067	0.133211	0.00393	0.058378	0.20794	0.178218	0.00011
0.00395	0.19498	2.20E-05	0.069638	0.13292	0.111807	0.01564	0.03286	0.4787
0.00037	0.085837	0.06383	0.135406	0.00337	0.117844	0.01081	0.10129	0.02862
0.07224	0.400403	2.07E-19	0.180652	8.64E-05	0.159114	0.00056	0.076408	0.09911
6.06E-27	0.521338	6.65E-34	0.371852	9.23E-17	0.427254	3.81E-22	0.330923	2.14E-13
1.57E-36	0.487823	2.72E-29	0.429398	2.25E-22	0.382658	9.85E-18	0.439947	1.58E-23
0.37662	-0.09103	0.04929	-0.09879	0.03281	-0.04066	0.3807	-0.1813	8.15E-05
7.44E-11	0.043866	0.34422	0.005548	0.90483	-0.06141	0.18526	-0.00736	0.87397
1.35E-06	0.194899	2.22E-05	0.115352	0.01262	0.094361	0.04152	-0.00291	0.95001
3.13E-09	0.209976	4.73E-06	0.17235	0.00018	0.156008	0.00072	0.095328	0.03947
0.01115	0.040103	0.38723	-0.01147	0.80473	0.001477	0.9746	-0.11051	0.01689
1.68E-39	0.299778	3.75E-11	0.243047	1.05E-07	0.220171	1.55E-06	0.360626	8.65E-16
8.98E-19	0.204742	8.20E-06	0.165306	0.00033	0.121902	0.00836	0.141519	0.00217
0.00373	0.116724	0.01159	0.060496	0.19189	0.087479	0.05889	0.021618	0.64123
3.25E-05	0.026858	0.56262	0.115178	0.01275	0.042973	0.35414	0.112129	0.01534
0.00014	0.11039	0.01701	0.183144	6.87E-05	0.053504	0.24852	0.105437	0.02268
4.78E-32	0.111974	0.01548	0.246934	6.45E-08	0.086033	0.06322	0.267914	4.05E-09
9.08E-19	0.266298	5.06E-09	0.228199	6.22E-07	0.210618	4.41E-06	0.260846	1.06E-08
9.81E-14	-0.01664	0.71981	-0.12591	0.00644	-0.25511	2.26E-08	-0.00264	0.9547
4.92E-06	-0.24278	1.08E-07	-0.11102	0.01639	-0.2743	1.66E-09	-0.04978	0.28302
0.14335	-0.1291	0.00521	-0.07101	0.12544	-0.14362	0.00186	-0.07901	0.0881

1.04E-05	0.000533	0.99083	-0.03762	0.41731	-0.12677	0.00608	-0.12066	0.00905
0.00022	0.057789	0.21257	-0.03421	0.46075	-0.08292	0.07342	-0.06092	0.1888
1.30E-12	0.010652	0.81842	-0.03814	0.41091	-0.19845	1.56E-05	-0.02653	0.56744
0.00163	-0.00996	0.82998	0.049399	0.28673	-0.023	0.62	0.00116	0.98006
6.39E-08	0.241799	1.22E-07	0.202205	1.06E-05	0.139732	0.00247	0.180561	8.72E-05
0.00271	-0.17392	0.00016	-0.12987	0.00494	-0.24459	8.65E-08	-0.01382	0.76577
3.25E-06	0.028543	0.53836	7.52E-05	0.99871	-0.08687	0.06069	0.069939	0.13125
1.04E-06	0.015653	0.73583	0.010223	0.82562	0.073223	0.11405	-0.0674	0.14585
0.04353	0.144063	0.0018	0.051299	0.26858	0.027016	0.56032	-0.01634	0.7247
2.18E-05	0.096824	0.03647	0.089424	0.05346	0.055813	0.22866	0.089635	0.0529
0.22187	-0.02718	0.558	0.059064	0.20264	0.03878	0.40309	-0.0419	0.36635
1.08E-13	0.222892	1.14E-06	0.195685	2.06E-05	0.127014	0.00599	0.130615	0.0047
4.32E-06	0.154991	0.00078	0.131969	0.00428	0.0722	0.11921	0.055244	0.23344
9.34E-07	-0.00259	0.95544	-0.01573	0.73464	-0.09313	0.04426	0.040769	0.37939
0.00234	-0.1206	0.00909	-0.18914	3.89E-05	-0.21097	4.25E-06	-0.17995	9.22E-05
1.70E-08	0.011588	0.80277	0.001122	0.9807	-0.06592	0.15495	-0.04568	0.32459
0.00026	0.06202	0.18091	0.087716	0.05821	0.043677	0.3463	-0.0479	0.30162
3.48E-14	-0.1817	7.85E-05	-0.12115	0.00878	-0.05268	0.25589	-0.18193	7.68E-05
2.07E-05	0.349148	7.80E-15	0.173565	0.00016	0.238275	1.88E-07	0.058362	0.20807
0.92983	0.217438	2.10E-06	0.098623	0.03311	0.057134	0.21781	0.038677	0.40434
1.58E-34	0.525311	1.74E-34	0.288322	2.16E-10	0.251847	3.45E-08	0.341166	3.41E-14
0.00155	0.01523	0.74271	0.001864	0.96795	0.063735	0.16912	-0.0274	0.55471
7.31E-11	0.18602	5.24E-05	0.152975	0.00091	0.058298	0.20856	0.111695	0.01574
1.41E-13	-0.1793	9.78E-05	-0.16654	0.0003	-0.15126	0.00104	-0.17182	0.00019
0.541	0.126019	0.00639	0.154902	0.00078	0.173515	0.00016	0.04235	0.36116
3.54E-11	0.039527	0.39409	0.037716	0.41613	-0.07254	0.11746	-0.01704	0.71334
0.77874	0.063915	0.16792	0.092556	0.0456	0.073943	0.11053	-0.03687	0.42667
5.78E-48	0.45497	3.07E-25	0.288854	2.00E-10	0.183081	6.91E-05	0.427997	3.17E-22
5.08E-17	0.285322	3.38E-10	0.227632	6.65E-07	0.198686	1.52E-05	0.319915	1.42E-12
0.90921	-0.13605	0.00322	-0.15519	0.00076	-0.21811	1.95E-06	-0.18094	8.42E-05
0.00979	0.164396	0.00036	0.231944	4.02E-07	0.190551	3.40E-05	0.162101	0.00044
4.78E-10	-0.01179	0.79939	-0.00636	0.891	-0.15506	0.00077	0.051405	0.26759
1.82E-13	0.154798	0.00079	0.141513	0.00217	-0.00773	0.86762	0.245557	7.67E-08
7.50E-19	0.337083	7.15E-14	0.337742	6.35E-14	0.237555	2.05E-07	0.254287	2.51E-08
6.75E-26	0.209522	4.96E-06	0.160759	0.00049	0.021744	0.63929	0.321168	1.15E-12
0.00034	0.094355	0.04154	0.094209	0.04186	0.140494	0.00234	0.196955	1.81E-05
0.00545	0.04149	0.37101	0.133638	0.00381	0.027766	0.54948	0.247551	5.96E-08
4.28E-19	0.177765	0.00011	0.117473	0.01107	0.096733	0.03664	0.20666	6.71E-06
5.59E-21	0.293918	9.28E-11	0.217541	2.08E-06	0.100546	0.02982	0.186536	4.99E-05
4.24E-09	0.055123	0.23447	0.052362	0.25877	0.040533	0.38215	0.004227	0.92742
4.20E-12	0.444125	5.40E-24	0.231949	4.01E-07	0.251091	3.80E-08	0.222255	1.23E-06
1.08E-14	-0.01522	0.74295	0.008533	0.85409	-0.07981	0.08492	0.142427	0.00203
4.48E-11	0.207908	5.88E-06	0.291696	1.30E-10	0.257337	1.69E-08	0.177044	0.00012
3.19E-11	0.089765	0.05256	-0.01193	0.79704	-0.04995	0.28141	0.151401	0.00103
0.41851	0.063161	0.173	0.105672	0.02238	0.108393	0.01913	0.095971	0.03816

0.17762	0.062631	0.17664	0.110618	0.01678	0.097011	0.0361	0.101353	0.02852
4.44E-07	-0.05127	0.26884	-0.06698	0.14841	0.039784	0.39102	0.106592	0.02123
0.00043	-0.20842	5.57E-06	-0.23712	2.17E-07	-0.26204	9.01E-09	-0.1864	5.06E-05
6.28E-30	0.15555	0.00074	0.166341	0.00031	0.035152	0.44855	0.244711	8.52E-08
5.70E-07	-0.00886	0.84854	-0.07032	0.12916	-0.09044	0.0508	0.043052	0.35326
0.00108	0.180405	8.84E-05	0.158639	0.00058	0.173393	0.00017	0.1729	0.00017
2.05E-06	-0.0357	0.44154	-0.00595	0.89802	-0.06875	0.13796	0.065919	0.15496
4.40E-08	0.071236	0.12423	0.002133	0.96334	-0.01751	0.7058	0.068141	0.14148
3.17E-05	-0.08711	0.05996	0.000896	0.98459	0.080639	0.08172	-0.02658	0.56664
2.07E-11	0.145355	0.00164	0.109071	0.01838	0.12576	0.0065	0.236345	2.38E-07
1.64E-05	0.237771	2.00E-07	0.186929	4.81E-05	0.214643	2.86E-06	0.243178	1.03E-07
0.57543	0.053037	0.25268	0.042194	0.36294	-0.0173	0.70929	-0.00903	0.84575
0.54578	-0.03467	0.45478	-0.09957	0.03146	-0.09358	0.04325	-0.11145	0.01597
0.47874	0.308898	8.79E-12	0.189054	3.93E-05	0.242113	1.18E-07	0.092482	0.04577
0.00116	-0.22602	8.01E-07	-0.09748	0.03521	-0.1805	8.76E-05	-0.08619	0.06274
3.20E-05	0.431285	1.41E-22	0.309149	8.44E-12	0.365803	3.12E-16	0.266508	4.92E-09
0.00427	-0.16367	0.00038	-0.23137	4.30E-07	-0.15869	0.00058	-0.1323	0.00418
0.00204	0.219702	1.64E-06	0.22663	7.46E-07	0.250779	3.95E-08	0.154737	0.00079
0.49117	0.065226	0.15935	-0.03004	0.51726	0.017967	0.69857	-0.02542	0.58379
1.94E-09	0.064526	0.16388	-0.05111	0.27034	-0.07176	0.1215	-0.10547	0.02263
0.58754	0.100105	0.03055	0.039798	0.39085	0.023636	0.61042	0.041178	0.37462
0.02272	0.065924	0.15492	0.124043	0.00728	0.130932	0.0046	-0.00903	0.84577
0.00051	-0.2437	9.67E-08	-0.15796	0.00061	-0.1561	0.00071	-0.16576	0.00032
0.35385	-0.13792	0.00282	-0.24823	5.47E-08	-0.29935	4.01E-11	-0.26153	9.66E-09
1.33E-13	-0.02803	0.54575	-0.00112	0.98075	-0.128	0.0056	0.052162	0.2606
0.00025	0.002075	0.96432	0.033279	0.4731	-0.04185	0.36682	-0.1118	0.01564
2.41E-15	0.180249	8.97E-05	0.151734	0.001	0.095127	0.03989	0.100347	0.03014
1.38E-05	0.182759	7.12E-05	0.128142	0.00555	0.103931	0.0247	0.096994	0.03614
5.26E-47	0.241391	1.29E-07	0.269931	3.07E-09	0.087043	0.06017	0.373673	6.37E-17
0.26328	0.034396	0.45837	0.132989	0.00399	0.202535	1.03E-05	0.020553	0.65775
2.69E-06	0.096975	0.03617	0.078843	0.08878	-0.09509	0.03998	0.061008	0.18815
0.61675	0.049053	0.29013	0.108671	0.01882	0.132259	0.0042	-0.00582	0.90011
0.85831	0.110618	0.01678	0.088833	0.05507	0.213395	3.27E-06	0.076465	0.09886
1.57E-25	0.183723	6.51E-05	0.127874	0.00565	0.007513	0.87136	0.135202	0.00342
1.36E-35	0.366169	2.90E-16	0.202192	1.07E-05	0.216098	2.44E-06	0.333357	1.39E-13
1.27E-07	0.37499	4.86E-17	0.294319	8.73E-11	0.411438	1.67E-20	0.215076	2.73E-06
1.30E-09	0.351158	5.34E-15	0.236083	2.45E-07	0.280192	7.15E-10	0.202369	1.05E-05
0.40589	0.142846	0.00197	0.091917	0.04712	0.153639	0.00087	0.087982	0.05745
1.85E-07	0.174541	0.00015	0.105677	0.02237	0.078228	0.0913	0.004567	0.92159
2.45E-19	0.257027	1.76E-08	0.162355	0.00043	0.137223	0.00296	0.287997	2.27E-10
1.03E-33	0.153893	0.00085	0.12534	0.00669	-0.03218	0.48788	0.187624	4.50E-05
0.00372	0.229636	5.27E-07	0.021979	0.63568	0.080244	0.08323	0.018017	0.69777
0.11353	-0.00052	0.99109	-0.05796	0.21125	-0.13556	0.00333	-0.12853	0.00541
1.61E-08	0.191047	3.24E-05	0.177599	0.00011	0.197407	1.73E-05	0.119471	0.00976
1.28E-47	0.454191	3.79E-25	0.402705	1.24E-19	0.343926	2.06E-14	0.432309	1.09E-22

7.69E-13	0.396025	5.50E-19	0.211509	4.01E-06	0.281124	6.25E-10	0.186481	5.02E-05
1.45E-13	0.532134	1.68E-35	0.437941	2.64E-23	0.416381	5.23E-21	0.290561	1.55E-10
1.18E-07	0.07758	0.09402	0.057061	0.2184	0.011766	0.79982	0.052858	0.25428
8.97E-11	0.050312	0.27791	-0.05137	0.26793	-0.09884	0.03272	0.044226	0.34027
0.01764	0.015642	0.736	0.004818	0.9173	-0.00893	0.84744	-0.0887	0.05544
7.71E-19	0.503365	2.29E-31	0.368924	1.67E-16	0.369426	1.51E-16	0.250511	4.09E-08
0.00047	0.091232	0.0488	0.005833	0.89996	0.037057	0.42432	-0.05227	0.25957
0.00833	-0.16967	0.00023	-0.16514	0.00034	-0.10256	0.02667	-0.27274	2.07E-09
0.0479	-0.08466	0.06758	-0.1421	0.00208	-0.26704	4.57E-09	-0.23442	2.99E-07
9.43E-34	0.371789	9.35E-17	0.282119	5.41E-10	0.144343	0.00176	0.422738	1.14E-21
0.43403	0.153915	0.00085	0.06506	0.16042	0.116246	0.01194	0.205002	7.98E-06
2.02E-15	0.15289	0.00092	0.137014	0.00301	0.087523	0.05877	0.136516	0.00312
5.59E-06	0.304211	1.86E-11	0.314718	3.39E-12	0.26048	1.11E-08	0.268766	3.60E-09
0.19696	0.252776	3.06E-08	0.169503	0.00023	0.262224	8.79E-09	0.086043	0.06319
3.69E-06	0.312279	5.07E-12	0.122687	0.00795	0.188448	4.16E-05	0.092005	0.04691
8.49E-05	0.010538	0.82033	0.074032	0.1101	-0.02402	0.6047	0.088095	0.05713
0.01161	0.351782	4.75E-15	0.286955	2.65E-10	0.381743	1.19E-17	0.213066	3.39E-06
7.37E-18	0.454451	3.53E-25	0.322887	8.59E-13	0.338951	5.11E-14	0.253485	2.79E-08
1.00E-05	0.519695	1.15E-33	0.285363	3.36E-10	0.276978	1.14E-09	0.268905	3.53E-09
9.77E-15	0.156097	0.00071	0.133016	0.00398	0.084444	0.06827	0.100108	0.03054
1.08E-09	0.061857	0.18206	0.078927	0.08844	0.026201	0.57222	-0.01174	0.8002
2.54E-15	0.303774	2.00E-11	0.227265	6.94E-07	0.198238	1.59E-05	0.289348	1.85E-10
1.28E-21	0.145849	0.00158	0.154103	0.00083	0.02959	0.52355	0.177515	0.00012
2.70E-17	0.179256	9.82E-05	0.107322	0.02036	-0.02978	0.52084	0.098256	0.03377
8.55E-07	0.074873	0.10611	0.025679	0.5799	0.138926	0.00262	0.046001	0.32122
0.74163	0.058513	0.20688	-0.04926	0.28813	-0.08458	0.06781	-0.08092	0.08067
0.02911	0.059881	0.19645	0.092575	0.04556	-0.04836	0.29697	0.033625	0.46851
0.0129	0.201685	1.12E-05	0.059051	0.20273	0.143867	0.00183	0.120236	0.0093
2.63E-05	0.138652	0.00268	0.157427	0.00064	0.121623	0.00851	0.056951	0.21929
0.26023	0.034785	0.4533	0.033664	0.468	0.176399	0.00013	0.016841	0.71661
0.08914	0.008269	0.85855	-0.09885	0.0327	-0.02395	0.60567	-0.15552	0.00075
0.06412	-0.0596	0.19858	-0.0099	0.83097	-0.04923	0.28843	-0.02773	0.55002
1.32E-11	0.010879	0.81462	-0.08398	0.06981	-0.13763	0.00288	0.158706	0.00058
0.00266	0.087959	0.05751	0.122258	0.00817	0.14491	0.00169	0.058259	0.20887
0.00423	0.067184	0.14717	0.168357	0.00026	0.226708	7.40E-07	0.122226	0.00819
1.62E-07	0.255651	2.10E-08	0.158172	0.0006	0.147915	0.00135	0.130235	0.00482
5.59E-33	0.272497	2.14E-09	0.141454	0.00218	0.06884	0.13743	0.305531	1.51E-11
0.00015	0.045571	0.32577	0.011435	0.80532	-0.03425	0.46024	0.067145	0.1474
0.03048	0.204473	8.43E-06	0.041634	0.36934	0.192753	2.74E-05	-0.04388	0.34405
3.87E-07	0.037967	0.41304	0.068362	0.14019	0.015117	0.74457	0.017235	0.71029
0.001	0.181264	8.17E-05	0.14503	0.00168	0.200915	1.22E-05	0.061865	0.18201
0.01351	0.135549	0.00334	0.056334	0.22434	0.013282	0.77467	-0.00256	0.95604
0.00021	0.035752	0.44084	-0.01127	0.80805	-0.04628	0.31834	-0.08891	0.05485
9.10E-17	0.292673	1.12E-10	0.216566	2.32E-06	0.201699	1.12E-05	0.196804	1.84E-05
2.80E-06	0.147973	0.00134	0.259814	1.21E-08	0.180736	8.58E-05	0.248004	5.63E-08



0.02026	0.388308	2.96E-18	0.249716	4.53E-08	0.325121	5.86E-13	0.20854	5.50E-06
8.48E-08	0.080301	0.08301	0.059009	0.20306	0.015014	0.74623	-0.03244	0.4844
0.16145	0.003586	0.9384	-0.00941	0.83927	-0.04228	0.36199	-0.10964	0.01778
8.60E-05	0.145586	0.00161	0.04938	0.28692	0.030163	0.51555	-0.03879	0.40295
0.00013	-0.00083	0.98568	-0.02763	0.55139	-0.08291	0.07345	-0.09755	0.03508
0.01197	0.121037	0.00884	0.06417	0.16622	0.080217	0.08334	0.084573	0.06785
3.01E-42	0.499617	7.41E-31	0.366781	2.56E-16	0.348167	9.37E-15	0.42274	1.14E-21
0.00778	-0.2016	1.13E-05	-0.132	0.00427	-0.20039	1.28E-05	-0.15176	0.001
1.37E-05	-0.12309	0.00774	-0.15095	0.00107	-0.20659	6.76E-06	0.034334	0.45918
0.24183	0.132091	0.00424	0.181294	8.15E-05	0.230365	4.84E-07	0.008858	0.84859
1.56E-33	0.504647	1.53E-31	0.362712	5.75E-16	0.236258	2.40E-07	0.396333	5.13E-19
1.04E-09	0.139699	0.00248	0.123652	0.00747	0.02158	0.64183	0.181713	7.84E-05
0.00034	0.192358	2.85E-05	0.069077	0.13608	0.188442	4.17E-05	0.155244	0.00076
3.28E-06	0.130096	0.00487	0.032544	0.48294	0.034181	0.46119	0.036161	0.43563
6.22E-20	0.196392	1.92E-05	0.148647	0.00127	0.067806	0.14345	0.132429	0.00415
0.00392	0.088552	0.05584	-0.04005	0.38791	-0.09161	0.04786	-0.04073	0.3798
6.67E-14	0.09399	0.04234	0.092117	0.04664	-0.01921	0.67886	0.1052	0.02299
0.23726	-0.11807	0.01066	-0.1053	0.02286	-0.11875	0.01022	-0.12671	0.00611
0.00081	0.396145	5.35E-19	0.208515	5.52E-06	0.182055	7.60E-05	0.166226	0.00031
0.31416	0.126563	0.00617	-0.02254	0.62703	-0.01643	0.72332	-0.14074	0.0023
0.19318	0.113752	0.01391	0.021151	0.64846	0.027421	0.55446	-0.06189	0.18182
2.96E-29	0.173003	0.00017	0.073384	0.11325	-0.01538	0.74026	0.373225	6.98E-17
3.84E-23	0.348737	8.42E-15	0.302992	2.26E-11	0.309784	7.61E-12	0.281024	6.34E-10
0.00399	-0.0802	0.0834	-0.15503	0.00078	-0.03337	0.47189	-0.06917	0.13556
0.19266	0.181266	8.17E-05	0.148056	0.00133	0.097758	0.03469	0.001291	0.9778
0.03144	0.08244	0.07511	0.020013	0.66621	0.028696	0.53618	-0.05504	0.23519
0.81057	0.121384	0.00864	0.132992	0.00399	0.17636	0.00013	0.154276	0.00082
1.55E-10	0.168674	0.00025	0.145078	0.00167	0.120903	0.00891	0.084135	0.06929
3.98E-14	0.119794	0.00956	0.141879	0.00212	0.047104	0.30975	0.081919	0.07698
2.25E-21	0.305243	1.58E-11	0.222484	1.20E-06	0.195344	2.13E-05	0.163255	0.0004
0.00026	0.126906	0.00603	-0.12761	0.00575	-0.08464	0.06763	-0.22991	5.10E-07
2.51E-33	0.232183	3.90E-07	0.170868	0.00021	0.023582	0.61123	0.392956	1.08E-18
0.00034	0.181223	8.20E-05	0.155762	0.00073	0.158659	0.00058	0.102805	0.02631
0.4802	0.146921	0.00145	0.000611	0.98948	0.069356	0.1345	-0.05354	0.24819
0.04152	-0.0795	0.08613	-0.10786	0.01973	-0.10997	0.01744	-0.10029	0.03023
8.81E-08	-0.08956	0.05311	-0.09569	0.03873	-0.11319	0.01439	0.023133	0.61803
5.21E-27	0.619609	7.34E-51	0.465694	1.63E-26	0.475596	9.88E-28	0.482914	1.17E-28
1.10E-13	0.042663	0.35762	0.045549	0.32601	-0.04721	0.30867	0.180881	8.46E-05
0.13217	-0.06739	0.1459	-0.03282	0.47926	-0.07083	0.12639	-0.02447	0.59793
0.00586	0.129045	0.00522	0.130587	0.00471	0.145483	0.00162	0.079113	0.08769
0.00572	-0.03877	0.40316	0.030612	0.50931	-0.05623	0.22519	-0.08456	0.06788
0.00053	-0.03646	0.43183	-0.03006	0.51704	0.001611	0.9723	-0.14639	0.00151
1.29E-05	-0.08813	0.05702	-0.10256	0.02667	-0.05295	0.25348	-0.24972	4.53E-08
5.09E-09	0.155322	0.00076	0.087633	0.05845	0.003147	0.94593	0.059545	0.19898
5.98E-11	-0.02182	0.63813	0.036978	0.42531	-0.11479	0.01306	0.077464	0.09452

4.00E-07	0.145125	0.00166	0.068533	0.1392	0.147601	0.00138	-0.04485	0.33348
0.00347	0.057043	0.21854	0.171164	0.0002	0.175753	0.00013	0.055714	0.22948
3.44E-05	-0.02656	0.5669	-0.02502	0.58969	-0.06857	0.13899	-0.10362	0.02514
0.08904	0.054887	0.23648	0.062716	0.17605	0.064677	0.1629	0.095098	0.03995
1.44E-47	0.38976	2.16E-18	0.378586	2.31E-17	0.316582	2.49E-12	0.406755	4.92E-20
3.36E-06	0.025524	0.58218	-0.10998	0.01743	-0.10359	0.02518	-0.0347	0.45436
2.46E-07	-0.2284	6.08E-07	-0.20901	5.24E-06	-0.12038	0.00922	-0.10274	0.02641
0.02585	0.048493	0.29567	-0.06829	0.14061	0.007922	0.86442	-0.02772	0.55017
0.57786	-0.08275	0.07403	-0.17662	0.00012	-0.13494	0.00348	-0.1484	0.0013
1.93E-05	-0.02819	0.54339	-0.13513	0.00344	-0.12932	0.00513	-0.11177	0.01567
0.9818	0.177561	0.00011	0.124536	0.00705	0.123088	0.00775	0.04518	0.32994
2.67E-10	0.128887	0.00528	0.08229	0.07564	0.100702	0.02956	0.04681	0.31277
0.54742	0.219346	1.70E-06	0.089754	0.05259	0.077617	0.09387	-0.02323	0.6165
0.80305	0.222801	1.16E-06	0.074153	0.10952	0.080145	0.08361	-0.08764	0.05842
4.95E-23	0.498764	9.66E-31	0.375196	4.66E-17	0.35559	2.30E-15	0.315557	2.95E-12
9.31E-05	0.165328	0.00033	0.052672	0.25596	-0.00112	0.98068	-0.0417	0.36859
5.59E-05	-0.18286	7.05E-05	-0.22402	1.01E-06	-0.26614	5.17E-09	-0.09764	0.0349
2.46E-05	0.225653	8.35E-07	0.169935	0.00022	0.208239	5.68E-06	0.109993	0.01742
1.46E-21	0.200971	1.21E-05	0.169063	0.00024	0.162249	0.00043	0.154837	0.00079
3.46E-16	0.136632	0.00309	0.157893	0.00062	0.007985	0.86336	0.121733	0.00845
3.47E-05	0.102797	0.02632	0.070927	0.12587	0.048971	0.29094	0.039495	0.39446
0.00018	0.227323	6.89E-07	0.078433	0.09045	0.052943	0.25352	0.00061	0.9895
4.22E-14	0.337571	6.55E-14	0.213475	3.25E-06	0.238845	1.76E-07	0.214717	2.84E-06
1.16E-10	0.181068	8.32E-05	0.10821	0.01933	0.073503	0.11267	0.027244	0.55701
6.40E-44	0.402311	1.35E-19	0.327564	3.84E-13	0.263907	7.01E-09	0.408295	3.45E-20
3.02E-14	0.154111	0.00083	0.123271	0.00765	0.088702	0.05543	0.088288	0.05658
1.68E-07	0.328537	3.24E-13	0.256118	1.98E-08	0.332836	1.52E-13	0.356815	1.81E-15
2.99E-13	0.309974	7.38E-12	0.281708	5.74E-10	0.288436	2.13E-10	0.284576	3.77E-10
0.11989	0.260483	1.11E-08	0.191146	3.21E-05	0.247488	6.01E-08	0.090778	0.04993
6.77E-12	0.359001	1.19E-15	0.314542	3.49E-12	0.272273	2.21E-09	0.255309	2.20E-08
6.39E-06	0.313032	4.48E-12	0.200884	1.22E-05	0.178646	0.0001	0.176865	0.00012
8.31E-29	0.423369	9.82E-22	0.362196	6.36E-16	0.225685	8.32E-07	0.370764	1.15E-16
0.26135	-0.18549	5.51E-05	0.011436	0.80531	-0.15534	0.00076	-0.07994	0.08442
4.67E-06	0.111137	0.01627	0.056804	0.22048	0.002007	0.96549	-0.01633	0.72483
4.55E-15	0.337266	6.92E-14	0.387633	3.42E-18	0.293006	1.07E-10	0.31746	2.15E-12
0.00098	0.189634	3.72E-05	0.081887	0.07709	0.162094	0.00044	0.033476	0.47049
1.40E-22	0.365799	3.12E-16	0.36753	2.21E-16	0.28755	2.43E-10	0.297307	5.51E-11
8.18E-06	0.235995	2.48E-07	0.134418	0.00361	0.168638	0.00025	0.08284	0.0737
0.00059	-0.36025	9.32E-16	-0.36616	2.90E-16	-0.32798	3.57E-13	-0.24412	9.17E-08
3.36E-09	0.553249	8.45E-39	0.423567	9.36E-22	0.472189	2.62E-27	0.321668	1.06E-12
1.23E-27	0.135462	0.00336	0.134069	0.0037	-0.00222	0.96179	0.153986	0.00084
0.06963	0.064942	0.16118	-0.0788	0.08896	-0.1031	0.02589	-0.24145	1.28E-07
0.4347	-0.02853	0.53853	-0.01086	0.81491	0.006529	0.8881	-0.05378	0.2461
1.39E-09	0.066776	0.14964	0.008013	0.86288	-0.07966	0.08552	0.299569	3.88E-11
0.01526	0.191686	3.05E-05	0.021076	0.64963	0.083454	0.07158	-0.12144	0.00861

0.52455	-0.18784	4.41E-05	-0.09218	0.04648	-0.14845	0.00129	0.112846	0.01469
4.64E-08	0.332677	1.57E-13	0.280698	6.65E-10	0.317461	2.15E-12	0.213563	3.21E-06
0.02218	0.130016	0.00489	0.087544	0.0587	0.063072	0.17361	0.073696	0.11173
0.11104	0.237276	2.12E-07	0.130688	0.00467	0.20376	9.07E-06	0.204462	8.44E-06
6.21E-07	-0.03136	0.49895	0.006953	0.88089	-0.10796	0.01962	-0.0433	0.35046
0.67541	0.103809	0.02487	0.002558	0.95604	0.086218	0.06265	0.052944	0.25351
0.41554	-0.0358	0.44016	-0.1598	0.00053	-0.01867	0.68733	-0.04658	0.31515
1.17E-06	-0.15242	0.00095	-0.0298	0.52064	-0.0059	0.89888	-0.09604	0.03802
0.00524	0.106594	0.02123	0.168323	0.00026	0.234908	2.82E-07	0.067375	0.14602
0.00189	0.302715	2.36E-11	0.205846	7.31E-06	0.152467	0.00095	0.092716	0.04522
8.44E-06	0.279755	7.62E-10	0.190109	3.55E-05	0.294981	7.89E-11	0.203629	9.20E-06
8.53E-05	-0.0299	0.51919	-0.04185	0.36683	0.01184	0.79858	0.015273	0.74202
2.72E-06	0.096168	0.03776	-0.0556	0.23043	-0.06038	0.19273	0.070161	0.13003
0.01897	-0.12047	0.00916	0.175339	0.00014	0.038829	0.4025	0.033708	0.46741
0.00037	-0.01915	0.67972	0.052058	0.26155	0.124419	0.0071	-0.00441	0.92436
6.39E-06	0.172594	0.00018	0.07103	0.12533	0.043381	0.34958	-0.03252	0.48324
3.33E-13	0.096319	0.03746	0.075706	0.10226	0.02951	0.52467	0.046202	0.31911
0.29428	0.119023	0.01004	0.079028	0.08803	0.18285	7.06E-05	0.107954	0.01962
0.09547	0.030054	0.51706	0.016717	0.7186	-0.05522	0.23362	0.035901	0.43893
0.00035	0.026163	0.57277	0.066377	0.1521	0.12335	0.00762	0.071007	0.12545
0.32652	-0.15862	0.00058	-0.22414	9.92E-07	-0.17336	0.00017	-0.25428	2.52E-08
0.00124	-0.10859	0.01891	-0.16764	0.00027	-0.12815	0.00555	-0.10682	0.02096
1.07E-18	0.545547	1.43E-37	0.491312	9.52E-30	0.425228	6.25E-22	0.364185	4.30E-16
4.83E-34	0.14144	0.00219	0.223386	1.08E-06	0.055813	0.22865	0.307894	1.03E-11
3.14E-06	0.044711	0.335	0.02006	0.66547	-0.01243	0.78882	-0.06243	0.17804
1.04E-17	0.251649	3.54E-08	0.165732	0.00032	0.140006	0.00243	0.134771	0.00352
0.00075	-0.17373	0.00016	-0.10961	0.01782	-0.10058	0.02976	-0.28035	6.99E-10
3.19E-22	0.592446	1.39E-45	0.504874	1.42E-31	0.461291	5.52E-26	0.426659	4.41E-22
4.16E-21	0.493893	4.34E-30	0.344881	1.73E-14	0.28946	1.82E-10	0.322576	9.06E-13
2.07E-15	0.234498	2.97E-07	0.180798	8.53E-05	0.147276	0.00142	0.125751	0.00651
8.18E-11	0.157276	0.00065	0.097527	0.03512	0.054578	0.23913	0.066214	0.15311
0.05627	0.064054	0.167	0.052551	0.25706	-0.00786	0.86556	-0.08046	0.08239
9.07E-28	0.319409	1.55E-12	0.238217	1.90E-07	0.182238	7.47E-05	0.204372	8.52E-06
0.99971	0.100687	0.02959	0.006966	0.88066	-0.09054	0.05054	-0.03846	0.40694
0.00022	0.489	1.91E-29	0.261419	9.80E-09	0.32027	1.34E-12	0.131675	0.00437
2.24E-09	0.213245	3.33E-06	0.081135	0.07985	0.05845	0.20738	0.060636	0.19086
0.28691	-0.12146	0.0086	-0.21625	2.40E-06	-0.1409	0.00227	-0.11806	0.01067
4.97E-10	0.222691	1.17E-06	0.131387	0.00445	0.073354	0.11341	0.091953	0.04703
0.70801	-0.09268	0.04532	0.062376	0.17842	0.079255	0.08712	0.072857	0.11588
4.23E-30	0.308885	8.81E-12	0.327666	3.77E-13	0.283793	4.23E-10	0.291116	1.42E-10
3.49E-08	-0.01786	0.70029	-0.07092	0.12592	-0.14539	0.00163	0.066021	0.15431
3.91E-29	0.293921	9.28E-11	0.264061	6.86E-09	0.228883	5.75E-07	0.336293	8.24E-14
1.69E-13	0.293789	9.47E-11	0.165991	0.00032	0.178082	0.00011	0.120514	0.00914
4.02E-27	0.223588	1.06E-06	0.166231	0.00031	0.029692	0.52213	0.400238	2.15E-19
1.00E-09	0.216269	2.39E-06	0.070367	0.1289	0.072069	0.11988	0.073803	0.11121

0.57316	0.305886	1.43E-11	0.207449	6.18E-06	0.301887	2.69E-11	0.051016	0.27123
6.28E-09	-0.04572	0.32424	-0.00811	0.86127	-0.14586	0.00157	0.01275	0.78347
0.05874	0.185146	5.69E-05	0.039609	0.3931	0.182245	7.46E-05	0.044869	0.33329
0.14925	0.183396	6.71E-05	0.157747	0.00062	0.276887	1.15E-09	0.034631	0.4553
0.29406	-0.14991	0.00116	-0.11321	0.01437	-0.1763	0.00013	-0.01434	0.75723
0.27989	0.180029	9.15E-05	0.151209	0.00105	0.126195	0.00632	0.189455	3.78E-05
0.00411	0.167053	0.00029	-0.02375	0.60871	-0.01646	0.72282	0.138448	0.00271
0.05468	0.111233	0.01618	0.011635	0.80199	0.003874	0.93346	-0.07606	0.10068
0.00079	-0.03706	0.42424	-0.01933	0.67695	-0.09572	0.03867	-0.09299	0.04459
3.51E-15	0.200718	1.24E-05	0.117149	0.01129	0.106116	0.02182	0.163464	0.00039
7.63E-05	0.416252	5.39E-21	0.532029	1.74E-35	0.513411	9.12E-33	0.237541	2.06E-07
1.14E-21	0.445811	3.48E-24	0.355248	2.45E-15	0.283707	4.29E-10	0.253445	2.80E-08
1.09E-06	0.440114	1.52E-23	0.291057	1.43E-10	0.293279	1.02E-10	0.124731	0.00696
2.13E-09	0.440081	1.53E-23	0.325199	5.78E-13	0.275297	1.44E-09	0.255418	2.17E-08
1.74E-29	0.512166	1.37E-32	0.535033	6.10E-36	0.439421	1.81E-23	0.517854	2.12E-33
1.06E-27	0.441188	1.15E-23	0.383878	7.61E-18	0.314093	3.76E-12	0.385313	5.61E-18
4.61E-24	0.487234	3.25E-29	0.439949	1.58E-23	0.392134	1.29E-18	0.370576	1.20E-16
0.06752	-0.00572	0.90196	0.108219	0.01932	-0.07211	0.11969	-0.11849	0.01039
0.01878	0.337027	7.22E-14	0.457649	1.49E-25	0.371376	1.02E-16	0.16346	0.00039
9.05E-18	0.15084	0.00108	0.138271	0.00275	0.091105	0.04911	0.121592	0.00853
1.18E-15	0.325834	5.18E-13	0.162125	0.00044	0.174802	0.00015	0.128496	0.00542
0.4492	0.004797	0.91766	0.130197	0.00483	-0.03177	0.49346	-0.03975	0.39147
0.47142	0.035587	0.44295	0.328885	3.05E-13	0.172513	0.00018	0.006563	0.88752
0.00812	0.387494	3.52E-18	0.447454	2.26E-24	0.608255	1.36E-48	0.211332	4.09E-06
0.00045	0.228401	6.08E-07	0.37145	1.00E-16	0.251376	3.66E-08	0.014913	0.74788
4.29E-08	0.355746	2.23E-15	0.29875	4.40E-11	0.248793	5.10E-08	0.112519	0.01498
4.80E-13	0.139448	0.00253	0.0896	0.05299	0.03052	0.51058	0.167169	0.00029
0.19436	0.20727	6.29E-06	0.216385	2.36E-06	0.200531	1.26E-05	0.070301	0.12926
0.04541	0.306347	1.33E-11	0.299885	3.69E-11	0.348038	9.60E-15	0.024522	0.59709
2.59E-33	0.361523	7.26E-16	0.409145	2.84E-20	0.279302	8.14E-10	0.525467	1.65E-34
6.71E-35	0.119542	0.00972	0.232112	3.94E-07	0.09391	0.04251	0.476999	6.59E-28
2.14E-09	0.176892	0.00012	0.321969	1.00E-12	0.164573	0.00036	0.375962	3.98E-17
4.50E-17	0.036078	0.43668	0.086931	0.0605	-0.08386	0.0702	0.280394	6.95E-10
1.66E-29	0.418409	3.23E-21	0.427945	3.22E-22	0.362573	5.91E-16	0.541938	5.28E-37
1.40E-11	0.163494	0.00039	0.157832	0.00062	0.027726	0.55006	0.156799	0.00067
1.22E-39	0.294315	8.73E-11	0.372956	7.37E-17	0.23107	4.45E-07	0.420447	1.99E-21
0.00096	-0.01149	0.80445	0.086026	0.06324	-0.0821	0.07633	0.098411	0.03349
1.90E-30	0.214816	2.81E-06	0.284393	3.87E-10	0.080905	0.08071	0.332899	1.51E-13
1.71E-05	-0.08854	0.05588	0.072119	0.11962	-0.14293	0.00196	0.100562	0.02979
1.31E-08	0.058353	0.20813	0.156449	0.00069	0.085018	0.06641	0.261896	9.19E-09
8.99E-42	0.465499	1.72E-26	0.488595	2.16E-29	0.367458	2.24E-16	0.56626	5.95E-41
1.62E-36	0.309809	7.58E-12	0.261682	9.46E-09	0.146167	0.00154	0.384463	6.72E-18
2.20E-37	0.518235	1.87E-33	0.537217	2.83E-36	0.399757	2.40E-19	0.54564	1.39E-37
5.66E-54	0.438927	2.05E-23	0.320572	1.27E-12	0.178237	0.00011	0.547115	8.11E-38
2.66E-08	0.279051	8.44E-10	0.209921	4.75E-06	0.182324	7.41E-05	0.286129	3.00E-10

1.21E-39	0.240857	1.37E-07	0.345275	1.60E-14	0.160667	0.00049	0.415183	6.94E-21
2.14E-13	0.151117	0.00105	0.255529	2.14E-08	0.152097	0.00098	0.305399	1.54E-11
4.34E-12	-0.11821	0.01057	0.002952	0.94927	-0.22167	1.31E-06	0.184211	6.22E-05
1.47E-23	0.244669	8.57E-08	0.359131	1.16E-15	0.234033	3.13E-07	0.422291	1.27E-21
1.08E-08	0.086303	0.06239	0.014989	0.74664	-0.10507	0.02316	0.100071	0.0306
5.50E-13	0.532132	1.68E-35	0.464029	2.59E-26	0.42801	3.16E-22	0.453803	4.21E-25
3.44E-20	0.237089	2.17E-07	0.146051	0.00155	-0.02724	0.55704	0.209799	4.82E-06
2.43E-07	0.051197	0.26953	0.197489	1.72E-05	-0.05056	0.27551	0.171	0.0002
1.35E-51	0.428478	2.82E-22	0.352679	4.00E-15	0.28617	2.98E-10	0.488429	2.27E-29
1.91E-34	0.236358	2.37E-07	0.199122	1.46E-05	0.089663	0.05282	0.287801	2.34E-10
4.80E-29	0.446159	3.18E-24	0.420733	1.85E-21	0.371548	9.82E-17	0.513106	1.01E-32
2.01E-17	0.141416	0.00219	0.201601	1.13E-05	0.0301	0.51642	0.282748	4.93E-10
2.10E-23	0.452573	5.84E-25	0.375868	4.06E-17	0.321948	1.01E-12	0.471027	3.65E-27
5.10E-34	0.341341	3.31E-14	0.379056	2.10E-17	0.224964	9.03E-07	0.428528	2.79E-22
1.68E-16	0.529615	4.00E-35	0.512255	1.33E-32	0.517184	2.64E-33	0.456288	2.16E-25
0.00223	-0.17697	0.00012	0.046881	0.31204	-0.16509	0.00034	0.033593	0.46894
9.72E-55	0.474617	1.31E-27	0.49254	6.55E-30	0.337753	6.34E-14	0.523377	3.35E-34
9.88E-19	0.216681	2.29E-06	0.297397	5.43E-11	0.164019	0.00037	0.383671	7.95E-18
0.11598	-0.08168	0.07785	0.111315	0.0161	0.009259	0.84182	0.189399	3.80E-05
4.70E-34	0.187601	4.51E-05	0.310239	7.07E-12	0.198398	1.57E-05	0.398821	2.95E-19
1.09E-33	0.307059	1.18E-11	0.380804	1.45E-17	0.249669	4.56E-08	0.527964	7.06E-35
4.12E-13	0.204868	8.09E-06	0.110545	0.01686	0.071091	0.125	0.196709	1.86E-05
1.22E-23	0.26513	5.93E-09	0.335905	8.83E-14	0.195294	2.14E-05	0.285839	3.13E-10
1.12E-40	0.113044	0.01452	0.230105	4.98E-07	0.067481	0.14538	0.312284	5.06E-12
4.03E-09	0.003905	0.93292	0.161622	0.00045	0.000459	0.9921	0.227417	6.81E-07
6.34E-17	0.124298	0.00716	0.024031	0.60446	-0.08765	0.05839	0.245832	7.41E-08
1.78E-32	0.405466	6.60E-20	0.450657	9.73E-25	0.325695	5.31E-13	0.557921	1.46E-39
4.46E-20	0.074003	0.11024	0.24761	5.92E-08	0.040776	0.37931	0.337874	6.20E-14
6.30E-16	0.295243	7.57E-11	0.242534	1.12E-07	0.179822	9.33E-05	0.330599	2.26E-13
6.60E-69	0.457508	1.55E-25	0.395111	6.72E-19	0.289893	1.71E-10	0.618438	1.27E-50
2.77E-35	0.579213	3.43E-43	0.506005	9.91E-32	0.405323	6.82E-20	0.601337	2.95E-47
5.02E-19	0.228927	5.72E-07	0.379823	1.79E-17	0.222492	1.20E-06	0.398685	3.05E-19
0.00053	0.048512	0.29549	0.266811	4.72E-09	0.134443	0.00361	0.212947	3.44E-06
0.0018	0.243568	9.83E-08	0.127823	0.00567	0.187659	4.49E-05	0.197675	1.69E-05
0.13985	0.168139	0.00026	0.16875	0.00025	0.154123	0.00083	0.108536	0.01897
0.00596	0.1989	1.49E-05	0.087849	0.05783	0.075293	0.10415	0.165264	0.00034
0.6192	0.129514	0.00506	0.098332	0.03363	0.083458	0.07157	0.090547	0.05052
0.35956	0.122917	0.00783	-0.02382	0.60757	0.110425	0.01698	0.102521	0.02673
0.00428	0.220566	1.49E-06	0.092404	0.04596	0.070079	0.13048	0.172778	0.00018
0.0367	0.235311	2.69E-07	0.167377	0.00028	0.249786	4.49E-08	0.137678	0.00287
0.08392	0.227923	6.43E-07	0.214249	2.98E-06	0.202704	1.01E-05	0.174433	0.00015
0.00389	0.182235	7.47E-05	0.102018	0.02749	0.104523	0.02389	0.168308	0.00026
0.01438	0.172938	0.00017	0.099863	0.03095	0.203074	9.74E-06	0.149365	0.00121
0.02791	-0.02612	0.57335	-0.02505	0.58928	0.052278	0.25954	0.021783	0.6387
0.00398	0.191117	3.22E-05	0.111163	0.01625	0.095841	0.03842	0.156083	0.00071

0.02814	0.234045	3.13E-07	0.135807	0.00328	0.168936	0.00025	0.156508	0.00069
0.5756	0.074171	0.10943	0.023485	0.6127	0.100835	0.02935	0.058734	0.20517
0.03386	0.207501	6.14E-06	0.111894	0.01556	0.21659	2.31E-06	0.158257	0.0006
0.06862	0.188167	4.28E-05	0.092721	0.04521	0.1234	0.00759	0.132886	0.00402
1.47E-13	0.368375	1.86E-16	0.25915	1.33E-08	0.225105	8.89E-07	0.339853	4.34E-14
0.00088	0.270483	2.84E-09	0.134977	0.00347	0.179745	9.39E-05	0.178422	0.00011
0.757	0.143272	0.00191	0.124949	0.00686	0.16561	0.00033	0.130068	0.00487
0.2695	0.126772	0.00608	0.015271	0.74205	0.077666	0.09366	0.06082	0.18951
0.41509	0.075477	0.10331	0.010381	0.82297	0.205052	7.94E-06	0.057677	0.21346
0.64073	0.148393	0.0013	0.091068	0.0492	0.184929	5.81E-05	0.102686	0.02649
0.90135	0.225827	8.18E-07	0.139658	0.00249	0.297112	5.68E-11	0.069803	0.132
0.00056	0.232645	3.70E-07	0.10932	0.01812	0.133758	0.00378	0.151304	0.00104
0.47432	0.166431	0.0003	0.129357	0.00511	0.243043	1.05E-07	0.069898	0.13148
0.00499	0.273888	1.76E-09	0.153856	0.00085	0.258316	1.48E-08	0.210969	4.25E-06
0.09608	0.176264	0.00013	0.122342	0.00813	0.169348	0.00024	0.13102	0.00457
0.00239	0.337163	7.05E-14	0.270094	3.00E-09	0.379368	1.96E-17	0.289402	1.84E-10
0.06514	0.210533	4.45E-06	0.135435	0.00336	0.238404	1.85E-07	0.17232	0.00018
0.28036	0.030397	0.51229	-0.01697	0.71457	0.037848	0.4145	0.016109	0.72843
0.50055	0.111227	0.01619	0.112029	0.01543	0.116914	0.01146	0.053975	0.24437
0.0302	0.219876	1.61E-06	0.037507	0.41873	0.132516	0.00412	0.101574	0.02818
0.17896	0.024012	0.60474	0.024982	0.59022	0.060303	0.19331	0.006161	0.89436
0.0022	0.247781	5.79E-08	0.116144	0.01202	0.166402	0.0003	0.165084	0.00034
0.02193	0.246403	6.89E-08	0.214908	2.78E-06	0.278708	8.86E-10	0.12377	0.00741
0.046	0.081406	0.07885	0.040128	0.38693	0.049622	0.28456	0.122984	0.0078
6.43E-06	0.2617	9.44E-09	0.090163	0.05151	0.147009	0.00144	0.271148	2.59E-09
0.00025	0.214976	2.76E-06	0.067431	0.14568	0.072654	0.1169	0.167502	0.00028
0.00282	0.235743	2.56E-07	0.151734	0.001	0.199595	1.39E-05	0.170569	0.00021
0.12706	0.252346	3.23E-08	0.155049	0.00077	0.258971	1.36E-08	0.233061	3.52E-07
0.00477	0.231354	4.31E-07	0.175598	0.00014	0.203717	9.11E-06	0.194477	2.32E-05
0.00951	0.208224	5.69E-06	0.134624	0.00356	0.186885	4.83E-05	0.17019	0.00022
0.27843	0.060435	0.19233	0.018491	0.69021	0.118777	0.0102	0.079258	0.0871
0.00765	0.177518	0.00011	0.104539	0.02387	0.148107	0.00133	0.16184	0.00045
0.18773	0.175243	0.00014	0.051803	0.2639	0.186378	5.07E-05	0.12658	0.00616
0.49757	0.144968	0.00168	0.03956	0.39369	0.083283	0.07217	0.106687	0.02111
0.02146	0.167591	0.00028	0.074934	0.10582	0.129876	0.00494	0.111683	0.01575
0.45689	0.212717	3.52E-06	0.124583	0.00703	0.22343	1.08E-06	0.14308	0.00194
0.61833	0.139217	0.00257	0.076433	0.099	0.239215	1.68E-07	0.117098	0.01133
0.21065	0.067902	0.14288	0.073959	0.11045	0.216899	2.23E-06	0.053688	0.24689
0.1113	0.239994	1.53E-07	0.099058	0.03234	0.15748	0.00064	0.162049	0.00044
0.01798	0.222352	1.22E-06	0.155179	0.00077	0.24823	5.47E-08	0.196962	1.81E-05
0.08558	0.154907	0.00078	0.095006	0.04015	0.149777	0.00117	0.112427	0.01507
0.00045	0.394997	6.89E-19	0.277706	1.02E-09	0.326936	4.28E-13	0.34095	3.55E-14
0.0859	0.076869	0.09708	0.047283	0.3079	0.054574	0.23917	0.060453	0.1922
0.20569	0.145543	0.00161	0.016662	0.7195	0.132551	0.00411	0.119941	0.00948
0.77864	0.127307	0.00587	0.035253	0.44724	0.131823	0.00432	0.065405	0.1582

4.15E-05	0.323196	8.15E-13	0.227153	7.03E-07	0.270354	2.89E-09	0.245476	7.74E-08
0.02451	0.258934	1.36E-08	0.163425	0.00039	0.260064	1.17E-08	0.180573	8.71E-05
0.12614	0.18712	4.72E-05	0.04754	0.30528	0.072301	0.11869	0.098778	0.03283
0.38903	0.022482	0.62795	-1.19E-05	0.9998	0.092658	0.04536	0.012543	0.7869
0.42212	-0.12336	0.00761	-0.08478	0.06717	-0.0588	0.20468	0.006188	0.89391
0.21286	0.204323	8.56E-06	0.077518	0.09429	0.175771	0.00013	0.114792	0.01306
0.00409	0.279979	7.38E-10	0.155523	0.00075	0.215812	2.52E-06	0.198338	1.58E-05
0.31021	0.179031	0.0001	0.127254	0.00589	0.181387	8.08E-05	0.101964	0.02757
0.00519	-0.057	0.21886	-0.04339	0.34948	-0.01088	0.81458	-0.02838	0.5407
0.35263	0.143775	0.00184	0.098375	0.03356	0.384274	7.00E-18	0.056099	0.22628
0.03748	0.304392	1.81E-11	0.204643	8.28E-06	0.276177	1.27E-09	0.17561	0.00014
0.06394	0.091157	0.04898	0.141148	0.00223	0.222979	1.13E-06	0.070511	0.12812
0.00328	0.153935	0.00085	0.074445	0.10812	0.120326	0.00925	0.131128	0.00453
0.13053	0.049544	0.28532	0.091715	0.04761	0.051562	0.26613	0.130668	0.00468
0.02037	0.237101	2.17E-07	0.157523	0.00063	0.217851	2.01E-06	0.17255	0.00018
0.55245	0.086487	0.06183	0.06774	0.14384	0.122136	0.00824	0.04642	0.31683
0.17574	0.107905	0.01968	0.061997	0.18107	0.071134	0.12478	0.078527	0.09007
0.00508	0.212664	3.54E-06	0.117607	0.01097	0.130876	0.00461	0.176046	0.00013
0.00034	0.247448	6.04E-08	0.146113	0.00155	0.198279	1.59E-05	0.21493	2.77E-06
0.0011	0.256116	1.98E-08	0.166875	0.00029	0.180739	8.57E-05	0.193362	2.59E-05
0.40316	0.036156	0.43569	0.01889	0.68389	0.22662	7.47E-07	0.056457	0.22332
0.12563	0.146103	0.00155	0.094046	0.04221	0.231529	4.22E-07	0.106126	0.02181
0.05764	0.237947	1.96E-07	0.172574	0.00018	0.221454	1.35E-06	0.179776	9.37E-05
0.60295	0.152685	0.00093	0.133064	0.00397	0.187284	4.65E-05	0.112586	0.01492
8.25E-05	0.131707	0.00436	0.068663	0.13845	0.08734	0.0593	0.194613	2.29E-05
0.06371	0.177134	0.00012	0.11418	0.01355	0.168392	0.00026	0.119814	0.00955
0.18049	0.119928	0.00948	0.070424	0.12859	0.074921	0.10588	0.094071	0.04216
0.07225	0.171203	0.0002	0.123071	0.00775	0.188414	4.18E-05	0.180222	8.99E-05
0.30576	0.242822	1.08E-07	0.097313	0.03553	0.242821	1.08E-07	0.10161	0.02812
0.08585	0.189101	3.91E-05	0.148632	0.00128	0.176209	0.00013	0.162644	0.00042
0.98471	0.139773	0.00247	0.053266	0.25063	0.084338	0.06862	0.06316	0.17301
0.59937	0.013333	0.77383	0.016823	0.7169	0.243853	9.48E-08	0.031248	0.50054
0.44227	0.11452	0.01327	0.055227	0.23359	0.026238	0.57168	-0.0064	0.89032
0.17189	0.204164	8.70E-06	0.158093	0.00061	0.254443	2.46E-08	0.114932	0.01294
0.01053	0.179687	9.44E-05	0.137499	0.00291	0.144176	0.00179	0.154048	0.00084
0.0202	0.174754	0.00015	0.135832	0.00327	0.203145	9.67E-06	0.141143	0.00223
0.49954	0.056318	0.22446	-0.03127	0.50024	0.092026	0.04686	0.023421	0.61367
0.85137	-0.04319	0.35167	-0.07512	0.10493	0.036786	0.42773	-0.02538	0.58433
0.03824	0.161785	0.00045	0.094241	0.04179	0.137572	0.00289	0.102659	0.02653
0.24878	0.12702	0.00598	0.036445	0.43202	0.076365	0.0993	0.114359	0.01341
0.05498	0.117227	0.01124	0.093263	0.04396	0.180121	9.08E-05	0.105003	0.02325
0.78511	0.104901	0.02338	0.060127	0.19461	0.15909	0.00056	0.041464	0.37131
0.65047	0.056881	0.21985	0.051107	0.27038	0.102825	0.02628	0.110224	0.01718
0.48781	0.027699	0.55045	-0.00636	0.89092	0.046859	0.31227	0.022824	0.62274
0.04433	0.184571	6.01E-05	0.09721	0.03572	0.174387	0.00015	0.180089	9.10E-05

0.15263	0.19088	3.29E-05	0.062435	0.178	0.179753	9.39E-05	0.173087	0.00017
0.31786	0.196048	1.98E-05	0.089558	0.0531	0.126216	0.00631	0.109092	0.01836
0.09732	0.221196	1.38E-06	0.109045	0.01841	0.232342	3.83E-07	0.146066	0.00155
0.01184	0.180124	9.07E-05	0.085224	0.06575	0.092928	0.04473	0.137614	0.00288
0.16093	0.131107	0.00454	0.046646	0.31447	0.227716	6.58E-07	0.142754	0.00198
0.05059	0.168035	0.00026	0.024047	0.60423	0.093553	0.04331	0.089509	0.05323
0.44901	0.160033	0.00052	0.139448	0.00253	0.299396	3.98E-11	0.136281	0.00317
0.00124	0.19345	2.56E-05	0.130739	0.00466	0.142429	0.00203	0.225712	8.29E-07
0.63071	0.089646	0.05287	0.014413	0.75607	0.030172	0.51542	-0.01815	0.6956
0.00416	0.253506	2.78E-08	0.208299	5.65E-06	0.260062	1.17E-08	0.208169	5.72E-06
0.0148	0.18971	3.69E-05	0.101277	0.02864	0.148729	0.00127	0.191765	3.02E-05
0.15271	0.118018	0.0107	0.120859	0.00894	0.134726	0.00353	0.245056	8.16E-08
0.10216	0.087671	0.05834	0.005893	0.89894	0.110921	0.01648	0.05681	0.22044
0.259	0.171369	0.0002	0.093871	0.0426	0.158199	0.0006	0.114668	0.01315
0.00268	0.20135	1.16E-05	0.116205	0.01197	0.139329	0.00255	0.171208	0.0002
0.01021	-0.06033	0.19314	-0.03137	0.49887	0.088597	0.05572	-0.05973	0.19762
0.02057	0.183103	6.89E-05	0.113026	0.01453	0.179606	9.51E-05	0.151985	0.00099
0.20474	0.129693	0.005	0.063762	0.16894	0.122623	0.00798	0.113049	0.01451
0.00919	0.15269	0.00093	0.090963	0.04947	0.149467	0.0012	0.157728	0.00062
0.52653	0.183299	6.77E-05	0.093548	0.04332	0.106705	0.02109	0.082739	0.07406
0.05354	0.152352	0.00096	0.088336	0.05645	0.20638	6.91E-06	0.132053	0.00426
0.01488	0.209165	5.15E-06	0.101968	0.02757	0.130477	0.00474	0.153532	0.00087
0.00155	0.276652	1.19E-09	0.21412	3.03E-06	0.300066	3.59E-11	0.211179	4.16E-06
0.00454	0.238429	1.85E-07	0.205105	7.89E-06	0.233644	3.28E-07	0.222162	1.24E-06
0.00342	0.2319	4.04E-07	0.161089	0.00047	0.275346	1.43E-09	0.197149	1.78E-05
0.04865	0.179665	9.46E-05	0.127889	0.00565	0.26578	5.43E-09	0.131673	0.00437
0.56391	0.104058	0.02453	0.072559	0.11738	0.117598	0.01098	0.098067	0.03412
0.11552	0.257759	1.59E-08	0.148323	0.00131	0.229234	5.52E-07	0.152161	0.00097
0.05474	0.183064	6.92E-05	0.069311	0.13476	0.092245	0.04633	0.147584	0.00138
0.04431	0.090189	0.05145	0.042655	0.35772	0.065362	0.15848	0.149019	0.00124
0.45131	0.132813	0.00404	0.040346	0.38435	0.094346	0.04156	0.036739	0.42832
0.14922	0.191361	3.14E-05	0.102196	0.02722	0.18309	6.90E-05	0.129179	0.00518
0.82608	0.182437	7.33E-05	0.13036	0.00478	0.222001	1.26E-06	0.129152	0.00519
0.00319	0.258953	1.36E-08	0.153894	0.00085	0.225048	8.95E-07	0.190023	3.58E-05
0.41038	0.179586	9.53E-05	0.064081	0.16682	0.160733	0.00049	0.122564	0.00801
0.00051	0.1097	0.01772	0.053422	0.24924	0.048449	0.29612	0.117927	0.01076
0.00513	0.215609	2.57E-06	0.118713	0.01024	0.16888	0.00025	0.187572	4.53E-05
0.51512	0.135401	0.00337	0.077443	0.09461	0.149626	0.00118	0.123521	0.00753
0.57283	0.033596	0.4689	0.026068	0.57418	0.189247	3.86E-05	0.044488	0.33741
0.81069	0.1106	0.0168	0.049785	0.28298	0.047939	0.30124	0.096442	0.03721
0.66132	0.183175	6.85E-05	0.10623	0.02168	0.238334	1.87E-07	0.08071	0.08145
0.40256	0.115803	0.01227	0.074642	0.10719	0.164053	0.00037	0.097066	0.036
0.83695	0.117147	0.01129	0.028109	0.54456	0.096244	0.03761	0.054961	0.23585
0.00073	0.260002	1.18E-08	0.183893	6.40E-05	0.248087	5.57E-08	0.193767	2.49E-05
0.03899	0.11297	0.01458	0.086712	0.06115	0.245405	7.81E-08	0.132746	0.00406



0.54544	0.12172	0.00846	0.015706	0.73497	0.096165	0.03777	0.079066	0.08787
0.05599	0.049866	0.2822	0.016185	0.7272	0.142807	0.00198	0.03257	0.48259
0.75691	0.151908	0.00099	0.131787	0.00433	0.317756	2.04E-12	0.092936	0.04471
0.05295	0.136559	0.00311	0.099585	0.03143	0.220846	1.44E-06	0.139107	0.00259
0.35805	0.143668	0.00185	0.101302	0.0286	0.199405	1.42E-05	0.106427	0.02143
0.01397	0.132745	0.00406	0.052677	0.25592	0.149087	0.00123	0.138415	0.00272
0.00137	0.223071	1.12E-06	0.100989	0.0291	0.168664	0.00025	0.182575	7.24E-05
0.55903	0.108885	0.01859	0.05743	0.21543	0.148699	0.00127	0.067902	0.14289
0.0124	0.209033	5.22E-06	0.143543	0.00187	0.166851	0.00029	0.164195	0.00037
0.21355	0.155409	0.00075	0.077865	0.09282	0.182752	7.12E-05	0.120496	0.00915
0.14722	0.154656	0.0008	0.130953	0.00459	0.140754	0.0023	0.106335	0.02155
0.00456	0.193454	2.56E-05	0.131172	0.00452	0.199346	1.42E-05	0.164	0.00037
0.07543	0.217802	2.02E-06	0.11556	0.01246	0.106252	0.02165	0.122242	0.00818
0.01036	0.189101	3.91E-05	0.128156	0.00555	0.126842	0.00605	0.154375	0.00082
0.49656	-0.03121	0.501	-0.01363	0.769	0.230362	4.84E-07	-0.00779	0.86666
0.00457	0.221133	1.39E-06	0.167088	0.00029	0.263721	7.19E-09	0.18454	6.03E-05
0.43634	0.10325	0.02567	0.057082	0.21823	0.10834	0.01919	0.043303	0.35045
0.06257	0.172881	0.00017	0.0778	0.09309	0.142699	0.00199	0.153348	0.00089
0.00142	0.2072	6.34E-06	0.143895	0.00182	0.125112	0.00679	0.169258	0.00024
0.00274	0.194805	2.24E-05	0.116048	0.01209	0.151613	0.00101	0.16396	0.00037
0.17673	0.113808	0.01386	-0.0157	0.73509	0.074821	0.10635	0.072587	0.11724
0.00191	0.300355	3.43E-11	0.183816	6.45E-05	0.249388	4.72E-08	0.215765	2.53E-06
0.03438	0.120191	0.00933	0.081592	0.07817	0.169587	0.00023	0.146182	0.00154
0.00257	0.240084	1.51E-07	0.127844	0.00566	0.252913	3.00E-08	0.225331	8.66E-07
0.06571	0.153309	0.00089	0.028626	0.53717	0.100926	0.0292	0.098021	0.0342
0.05304	0.172202	0.00018	0.143196	0.00192	0.227262	6.94E-07	0.149972	0.00115
0.00341	0.248099	5.56E-08	0.142949	0.00196	0.227876	6.46E-07	0.189345	3.82E-05
0.95734	0.151719	0.00101	0.04157	0.37009	0.231996	3.99E-07	0.120069	0.0094
0.00366	0.304048	1.91E-11	0.2136	3.20E-06	0.282036	5.47E-10	0.193112	2.65E-05
0.08866	0.245871	7.37E-08	0.163713	0.00038	0.281302	6.09E-10	0.186141	5.18E-05
0.06851	0.185706	5.40E-05	0.092527	0.04567	0.177614	0.00011	0.135042	0.00346
0.04344	0.138122	0.00278	0.059855	0.19664	0.131243	0.0045	0.137629	0.00288
0.42643	0.138213	0.00276	0.075992	0.10097	0.172794	0.00018	0.109702	0.01772
0.01096	0.220749	1.46E-06	0.136772	0.00306	0.194465	2.32E-05	0.17232	0.00018
0.3021	0.176258	0.00013	0.080142	0.08363	0.155931	0.00072	0.113203	0.01438
0.02712	0.213529	3.23E-06	0.145571	0.00161	0.237177	2.15E-07	0.171447	0.0002
0.12815	0.161514	0.00046	0.084392	0.06844	0.154527	0.00081	0.107317	0.02036
0.00941	0.242087	1.18E-07	0.170914	0.00021	0.244101	9.19E-08	0.21775	2.03E-06
0.15115	0.180272	8.95E-05	0.077169	0.09578	0.08333	0.07201	0.110121	0.01728
8.07E-05	0.288194	2.20E-10	0.188923	3.98E-05	0.208437	5.57E-06	0.204558	8.35E-06
0.08998	0.087658	0.05837	0.035948	0.43833	0.131086	0.00455	0.092235	0.04636
0.05065	0.157569	0.00063	0.096797	0.03652	0.131324	0.00447	0.128825	0.0053
0.16179	0.16213	0.00044	0.112039	0.01542	0.162825	0.00041	0.157872	0.00062
0.81799	-0.03588	0.43916	-0.0343	0.45964	-0.03428	0.45994	-0.0193	0.67734
0.80217	0.089112	0.0543	0.05247	0.25779	0.138201	0.00276	0.054562	0.23927

0.0255	0.219837	1.61E-06	0.131379	0.00446	0.13456	0.00358	0.154348	0.00082
0.02798	0.210111	4.66E-06	0.16203	0.00044	0.224204	9.85E-07	0.169283	0.00024
0.10332	0.136882	0.00304	0.080036	0.08404	0.087365	0.05922	0.10052	0.02986
0.50561	0.142691	0.00199	0.083263	0.07224	0.101825	0.02779	0.100982	0.02911
0.08183	0.179431	9.67E-05	0.141074	0.00224	0.278245	9.47E-10	0.200199	1.31E-05
0.05162	0.144443	0.00175	0.090675	0.0502	0.118361	0.01047	0.14266	0.002
0.33142	0.187154	4.71E-05	0.107499	0.02015	0.169442	0.00023	0.095662	0.03878
0.00713	0.197596	1.70E-05	0.107848	0.01974	0.132913	0.00401	0.143407	0.00189
1.08E-05	0.221684	1.31E-06	0.151794	0.001	0.174691	0.00015	0.297282	5.53E-11
0.00097	0.179273	9.81E-05	0.118884	0.01013	0.122807	0.00789	0.178393	0.00011
0.00225	0.191743	3.03E-05	0.107309	0.02037	0.119892	0.00951	0.173323	0.00017
0.5065	0.108782	0.0187	0.049621	0.28458	0.112505	0.015	0.063472	0.17089
0.00889	0.22003	1.58E-06	0.115748	0.01231	0.154338	0.00082	0.144869	0.0017
0.00341	0.204586	8.33E-06	0.127332	0.00586	0.172049	0.00019	0.174553	0.00015
0.00337	0.208421	5.57E-06	0.129155	0.00519	0.127973	0.00561	0.172486	0.00018
0.42891	0.11478	0.01307	0.074534	0.1077	0.110716	0.01669	0.115051	0.01285
0.01295	0.174819	0.00015	0.115195	0.01274	0.169795	0.00023	0.133646	0.00381
0.51012	0.05007	0.28023	-0.05583	0.22855	0.125933	0.00643	0.026364	0.56983
0.00959	0.209181	5.14E-06	0.149403	0.0012	0.221818	1.29E-06	0.155633	0.00074
0.00999	0.202346	1.05E-05	0.144186	0.00178	0.161129	0.00047	0.183085	6.90E-05
0.08961	0.149026	0.00124	0.108665	0.01883	0.228314	6.14E-07	0.107528	0.02011
0.90753	0.097932	0.03437	0.055984	0.22723	0.168493	0.00025	0.063509	0.17064
0.68514	0.059643	0.19824	0.005067	0.91304	0.16645	0.0003	0.01733	0.70876
0.36046	0.135948	0.00324	0.04823	0.2983	0.139839	0.00246	0.118411	0.01044
0.27928	0.177083	0.00012	0.073313	0.1136	0.259473	1.27E-08	0.142116	0.00208
0.07559	0.1552	0.00076	0.088778	0.05522	0.126123	0.00635	0.113032	0.01453
0.01484	0.235292	2.70E-07	0.144008	0.00181	0.207895	5.89E-06	0.167512	0.00028
0.76818	0.140453	0.00235	0.075795	0.10186	0.163602	0.00039	0.027918	0.5473
0.09942	0.149807	0.00117	0.079807	0.08493	0.124181	0.00721	0.116975	0.01141
0.03589	0.139473	0.00252	0.111856	0.01559	0.158721	0.00058	0.166368	0.00031
0.23835	0.091853	0.04727	0.058188	0.20942	0.052522	0.25732	0.092035	0.04684
0.03737	0.214593	2.87E-06	0.145458	0.00162	0.219015	1.77E-06	0.15597	0.00072
0.0334	0.214903	2.78E-06	0.141776	0.00213	0.142472	0.00203	0.131134	0.00453
0.00124	0.236636	2.30E-07	0.115026	0.01287	0.253401	2.82E-08	0.232905	3.58E-07
0.75111	0.117041	0.01137	0.076756	0.09758	0.197757	1.67E-05	0.113208	0.01437
0.01658	0.190115	3.55E-05	0.147517	0.00139	0.135385	0.00337	0.154968	0.00078
0.17031	0.097052	0.03603	0.025116	0.58823	0.129944	0.00492	0.011861	0.79822
0.00319	0.21305	3.40E-06	0.064811	0.16202	0.19805	1.62E-05	0.161403	0.00046
0.75079	0.123948	0.00732	0.049136	0.28931	0.193304	2.60E-05	0.050004	0.28087
0.00353	0.21011	4.66E-06	0.118874	0.01014	0.152704	0.00093	0.14688	0.00146
0.65474	0.118709	0.01024	0.06886	0.13732	0.216304	2.38E-06	0.080335	0.08288
0.00011	0.159479	0.00054	0.184066	6.30E-05	0.205543	7.54E-06	0.2102	4.61E-06
0.00503	0.224533	9.49E-07	0.145435	0.00163	0.234143	3.09E-07	0.189944	3.61E-05
0.68237	-0.01858	0.68875	-0.0987	0.03297	0.006649	0.88605	-0.01185	0.79849
0.92313	0.076306	0.09956	0.093523	0.04338	0.119614	0.00967	0.074136	0.1096

0.50129	0.162373	0.00043	0.091495	0.04815	0.201905	1.10E-05	0.13021	0.00483
0.00126	0.210776	4.34E-06	0.165071	0.00034	0.170153	0.00022	0.206115	7.10E-06
0.21746	0.141712	0.00214	0.0901	0.05168	0.142874	0.00197	0.142255	0.00206
0.04559	0.185989	5.26E-05	0.139562	0.00251	0.150379	0.00112	0.185932	5.29E-05
0.72269	0.10115	0.02884	0.056565	0.22243	0.102238	0.02716	0.088067	0.0572
0.09283	0.170217	0.00022	0.063956	0.16764	0.213935	3.09E-06	0.181657	7.88E-05
7.95E-05	0.205243	7.78E-06	0.208227	5.69E-06	0.180742	8.57E-05	0.242836	1.08E-07
0.00558	0.22308	1.12E-06	0.120107	0.00938	0.192887	2.71E-05	0.178798	0.0001
0.23595	0.112466	0.01503	0.066532	0.15115	0.12426	0.00718	0.108121	0.01943
0.36301	0.139878	0.00245	0.13833	0.00274	0.197273	1.76E-05	0.112312	0.01517
0.02566	0.175493	0.00014	0.089732	0.05264	0.16441	0.00036	0.127425	0.00582
0.07173	-0.00369	0.93659	-0.04497	0.33224	0.186039	5.23E-05	-0.0151	0.74486
0.04626	0.135825	0.00327	0.065923	0.15493	0.159587	0.00054	0.207619	6.07E-06
0.74831	0.111839	0.01561	0.100006	0.03071	0.155045	0.00077	0.06911	0.13589
0.27586	0.02777	0.54942	-0.0238	0.60789	0.087063	0.06011	-0.01794	0.69901
0.49656	-0.03121	0.501	-0.01363	0.769	0.230362	4.84E-07	-0.00779	0.86666
0.03008	0.213261	3.32E-06	0.132284	0.00419	0.15138	0.00103	0.147925	0.00135
0.95521	0.150625	0.00109	0.120589	0.00909	0.164605	0.00035	0.121274	0.00871
3.00E-06	0.229451	5.38E-07	0.13133	0.00447	0.145221	0.00165	0.215285	2.67E-06
0.00107	0.236513	2.33E-07	0.186979	4.79E-05	0.210178	4.63E-06	0.182484	7.30E-05
0.61668	0.11854	0.01035	0.069414	0.13417	0.143221	0.00192	0.013068	0.7782
0.04517	0.183031	6.94E-05	0.088247	0.0567	0.119405	0.0098	0.125047	0.00682
0.04909	0.232444	3.79E-07	0.167701	0.00027	0.208148	5.74E-06	0.147322	0.00141
0.82123	0.10819	0.01936	0.138898	0.00263	0.166062	0.00031	0.033077	0.4758
2.84E-05	0.221431	1.35E-06	0.132295	0.00419	0.14294	0.00196	0.184069	6.30E-05
0.00041	0.183677	6.53E-05	0.099472	0.03162	0.076492	0.09874	0.172421	0.00018
0.01482	0.185554	5.48E-05	0.089307	0.05378	0.155136	0.00077	0.149987	0.00115
0.20044	-0.08518	0.06588	0.031461	0.49763	-0.01212	0.79392	-0.0326	0.48215
0.00025	0.122526	0.00803	0.230276	4.89E-07	0.205648	7.46E-06	0.050986	0.27152
0.0014	0.175033	0.00014	0.250391	4.16E-08	0.263561	7.34E-09	0.064414	0.16462
0.54697	0.214008	3.06E-06	0.130386	0.00477	0.237301	2.12E-07	0.150352	0.00112
0.07334	-0.14245	0.00203	-0.08228	0.07569	-0.05902	0.20298	-0.21206	3.78E-06
0.00234	-0.21988	1.61E-06	-0.13519	0.00342	-0.10239	0.02693	-0.19795	1.64E-05
0.24761	-0.05425	0.24198	-0.10534	0.0228	-0.06574	0.15607	0.098484	0.03336
0.46046	0.053278	0.25052	0.019128	0.68012	0.03321	0.47403	-0.07856	0.08993
0.86361	0.06332	0.17192	0.134495	0.00359	0.231161	4.40E-07	0.06812	0.1416
0.00353	-0.07018	0.1299	0.02976	0.52117	-0.01309	0.77791	-0.00013	0.99773
0.41189	-0.19817	1.60E-05	-0.06439	0.16478	-0.15175	0.001	-0.01991	0.66788
0.79801	-0.05888	0.20402	0.007396	0.87334	0.015029	0.74599	-0.06761	0.1446
0.00011	0.121373	0.00865	0.198368	1.57E-05	0.245291	7.93E-08	0.209193	5.14E-06
0.47285	0.03076	0.50727	0.088674	0.0555	0.053046	0.2526	-0.03326	0.47339
7.79E-11	0.176606	0.00012	0.229871	5.12E-07	0.21209	3.77E-06	0.241705	1.24E-07
3.15E-12	-0.07191	0.12071	-0.12487	0.0069	-0.08142	0.07879	-0.2267	7.41E-07
2.75E-48	0.354366	2.90E-15	0.308029	1.01E-11	0.205468	7.60E-06	0.42031	2.05E-21
0.18975	0.082267	0.07573	0.143644	0.00186	0.152212	0.00097	0.066556	0.15099

0.35935	-0.01397	0.76338	0.031482	0.49734	0.071211	0.12436	-0.01702	0.71381
0.01919	-0.16727	0.00028	0.014519	0.75433	-0.01624	0.7263	-0.04285	0.35549
0.90593	-0.12693	0.00602	-0.16587	0.00032	-0.08006	0.08395	-0.07527	0.10428
0.01525	-0.09643	0.03724	-0.0172	0.71081	-0.03438	0.45853	0.017349	0.70846
0.00067	-0.32363	7.57E-13	-0.15809	0.00061	-0.10136	0.02851	-0.284	4.11E-10
5.50E-10	0.235769	2.55E-07	0.237445	2.08E-07	0.232069	3.96E-07	0.209614	4.91E-06
0.37028	0.025805	0.57804	0.050462	0.27648	0.091535	0.04805	-0.03165	0.49501
0.00419	-0.03568	0.4418	0.07185	0.12101	0.106899	0.02086	-0.15334	0.00089
0.10618	-0.02954	0.5243	0.046568	0.31529	0.055983	0.22724	-0.13325	0.00392
6.09E-10	-0.02759	0.55199	0.00849	0.85482	0.069009	0.13647	-0.17415	0.00016
0.03063	-0.00469	0.91955	0.10355	0.02524	0.077943	0.09249	0.034377	0.45862
7.66E-08	0.06714	0.14743	0.158478	0.00059	0.12847	0.00543	0.195317	2.13E-05
0.11362	-0.27962	7.77E-10	-0.17735	0.00012	-0.14774	0.00137	-0.26128	9.98E-09
0.00011	-0.01122	0.80895	0.057156	0.21763	0.002388	0.95895	0.096478	0.03714
0.04106	0.131434	0.00444	0.098543	0.03325	0.136771	0.00306	-0.04734	0.30734
3.25E-09	-0.20926	5.10E-06	-0.10862	0.01888	-0.04417	0.34089	-0.26444	6.51E-09
0.15977	-0.05732	0.21634	0.0448	0.33403	0.012535	0.78703	-0.02469	0.59455
0.0153	0.152287	0.00096	0.154874	0.00078	0.184443	6.08E-05	0.063476	0.17086
0.41118	0.028365	0.54089	-0.02172	0.63959	0.025908	0.57652	-0.10544	0.02268
0.32192	0.005834	0.89994	0.050318	0.27786	0.074135	0.1096	-0.10427	0.02424
0.12668	0.101024	0.02904	0.11436	0.0134	0.138367	0.00273	-0.0345	0.45708
8.30E-08	0.301976	2.66E-11	0.242772	1.08E-07	0.256358	1.92E-08	0.140589	0.00233
0.97185	0.052135	0.26084	0.050369	0.27736	0.133157	0.00394	0.071132	0.12478
0.00376	-0.154	0.00084	-0.03963	0.3928	-0.01372	0.76748	-0.0372	0.42256
0.39815	0.044848	0.33351	0.103609	0.02515	0.123409	0.00759	-0.03554	0.44351
0.82635	-0.15469	0.0008	-0.10038	0.03009	-0.11148	0.01594	-0.17139	0.0002
0.06255	0.198997	1.48E-05	0.220671	1.47E-06	0.270645	2.78E-09	0.124174	0.00722
0.071	-0.16703	0.00029	-0.09245	0.04586	-0.08991	0.05219	-0.14047	0.00235
0.62489	-0.11097	0.01644	-0.04382	0.34477	-0.06525	0.15919	-0.03719	0.42265
0.07093	-0.16151	0.00046	-0.08159	0.07818	-0.05772	0.21309	0.018788	0.68551
0.00673	-0.10762	0.02	-0.08054	0.0821	-0.07761	0.09388	-0.20136	1.16E-05
4.50E-06	0.261044	1.03E-08	0.17498	0.00014	0.248067	5.59E-08	0.141081	0.00224
1.25E-12	-0.16187	0.00044	-0.2041	8.76E-06	-0.11017	0.01723	-0.18769	4.48E-05
0.00015	-0.16468	0.00035	-0.09397	0.04238	-0.0316	0.49575	-0.17515	0.00014
0.00309	0.052378	0.25863	0.086295	0.06242	0.116074	0.01207	0.107762	0.01984
3.84E-09	0.19745	1.72E-05	0.187597	4.51E-05	0.189027	3.94E-05	0.181535	7.97E-05
0.00301	0.159784	0.00053	0.175193	0.00014	0.206023	7.17E-06	0.053743	0.2464
0.00084	-0.19842	1.56E-05	-0.14187	0.00212	-0.1663	0.00031	-0.20167	1.12E-05
0.01027	0.1362	0.00319	0.192016	2.95E-05	0.233969	3.16E-07	0.084825	0.06703
1.15E-07	0.198905	1.49E-05	0.164428	0.00036	0.152283	0.00096	0.266258	5.09E-09
4.82E-18	-0.00991	0.83092	0.049784	0.28299	0.027167	0.55813	0.266021	5.25E-09
6.15E-07	0.195263	2.14E-05	0.246042	7.21E-08	0.180733	8.58E-05	0.197264	1.76E-05
0.61895	-0.10859	0.01891	-0.00783	0.86593	-0.04139	0.37215	0.008859	0.84857
2.80E-18	0.187168	4.70E-05	0.201354	1.16E-05	0.19568	2.06E-05	0.306677	1.26E-11
0.00072	-0.25682	1.81E-08	-0.13285	0.00403	-0.22271	1.17E-06	-0.14565	0.0016

0.11073	-0.04461	0.33604	-0.02699	0.56067	-0.04577	0.32363	-0.06995	0.13116
0.06111	-0.06733	0.14628	0.009006	0.84609	0.012168	0.79312	-0.14668	0.00148
0.02341	0.12869	0.00535	0.135571	0.00333	0.122191	0.00821	0.167251	0.00028
1.61E-13	-0.25058	4.06E-08	-0.26161	9.55E-09	-0.26919	3.40E-09	-0.3559	2.16E-15
1.61E-18	-0.20951	4.97E-06	-0.10586	0.02214	-0.06765	0.14439	-0.32878	3.11E-13
0.69198	0.044546	0.33678	0.153862	0.00085	0.151387	0.00103	0.023997	0.60498
0.00366	0.067335	0.14626	0.122024	0.0083	0.123433	0.00757	0.038796	0.40289
2.08E-17	0.231112	4.43E-07	0.223397	1.08E-06	0.202677	1.01E-05	0.394871	7.09E-19
0.19598	-0.04125	0.37374	0.040694	0.38026	0.072381	0.11828	-0.05713	0.21785
3.45E-05	0.117618	0.01097	0.034391	0.45844	0.02504	0.58937	0.048595	0.29466
7.66E-07	-0.18875	4.04E-05	-0.16874	0.00025	-0.1648	0.00035	-0.29294	1.08E-10
0.56669	-0.06672	0.15001	0.01931	0.67725	0.013237	0.77541	-0.16136	0.00046
1.48E-14	0.111702	0.01574	0.105462	0.02265	0.037165	0.42298	0.124156	0.00723
0.00048	0.056549	0.22257	0.07023	0.12965	0.052679	0.2559	-0.0264	0.56937
0.00038	0.203261	9.55E-06	0.22334	1.09E-06	0.246926	6.45E-08	0.116034	0.0121
6.93E-05	0.05324	0.25086	0.143126	0.00193	0.112257	0.01522	0.037595	0.41763
0.00032	0.104667	0.0237	0.111392	0.01603	0.082856	0.07364	-0.02843	0.54
0.02555	0.052518	0.25736	0.133455	0.00386	0.1233	0.00764	-0.01361	0.76933
0.1414	-0.02019	0.66347	-0.00223	0.96168	0.038014	0.41245	-0.05441	0.24057
0.0019	-0.16875	0.00025	-0.08364	0.07096	-0.11208	0.01538	-0.21618	2.42E-06
0.24289	0.005663	0.90286	0.001442	0.97521	-0.02321	0.61692	0.008782	0.84988
0.00074	-0.42287	1.11E-21	-0.14267	0.002	-0.27072	2.75E-09	-0.24321	1.03E-07
5.63E-10	0.176794	0.00012	0.20179	1.11E-05	0.208428	5.57E-06	0.265888	5.35E-09
0.30269	-0.20283	9.98E-06	-0.15373	0.00086	-0.18247	7.31E-05	-0.03694	0.42584
0.31445	0.183639	6.56E-05	0.119036	0.01003	0.196506	1.89E-05	0.080307	0.08299
1.40E-07	0.108086	0.01947	0.087544	0.0587	0.004092	0.92973	0.084899	0.06679
2.89E-21	0.165315	0.00033	0.188735	4.05E-05	0.117942	0.01075	0.31685	2.38E-12
0.00011	-0.1809	8.45E-05	-0.08128	0.07932	-0.06327	0.17224	-0.30702	1.19E-11
5.58E-06	0.192811	2.73E-05	0.262002	9.06E-09	0.281827	5.64E-10	0.243063	1.05E-07
0.38064	-0.02022	0.66291	0.109666	0.01775	0.086274	0.06248	0.013674	0.76822
0.30307	0.105798	0.02222	0.103198	0.02574	0.196338	1.93E-05	0.00424	0.92719
0.07515	0.00434	0.92547	0.0372	0.42255	0.057543	0.21452	-0.11547	0.01253
0.32962	0.017481	0.70634	-0.05155	0.26623	0.096414	0.03727	0.107518	0.02013
0.08255	0.168028	0.00026	0.123811	0.00739	0.204162	8.70E-06	0.121959	0.00833
0.61255	0.088667	0.05552	0.038112	0.41124	0.148119	0.00133	0.055194	0.23387
0.74829	0.167665	0.00027	0.076715	0.09776	0.266997	4.60E-09	0.088597	0.05572
0.46237	0.170074	0.00022	0.052765	0.25512	0.192736	2.75E-05	0.077647	0.09374
0.20939	0.132997	0.00399	0.056565	0.22243	0.214808	2.81E-06	0.094716	0.04076
0.01219	0.034974	0.45085	-0.02494	0.59091	0.068441	0.13973	-0.05018	0.27918
3.44E-05	-0.33385	1.27E-13	-0.30056	3.32E-11	-0.25596	2.02E-08	-0.21792	2.00E-06
0.12051	0.061042	0.1879	0.105461	0.02265	0.188966	3.96E-05	-0.14778	0.00136
0.00046	-0.12423	0.00719	-0.13758	0.00289	-0.03051	0.51074	-0.17465	0.00015
0.08971	-0.09591	0.03828	-0.08874	0.05531	0.010486	0.8212	-0.08554	0.06474
0.01207	-0.03696	0.4255	-0.02803	0.54575	-0.0074	0.87334	-0.23491	2.82E-07
0.00011	0.056218	0.22529	-0.03575	0.44092	0.029851	0.5199	-0.03538	0.44563

8.13E-22	0.237897	1.97E-07	0.233261	3.44E-07	0.18165	7.89E-05	0.286456	2.86E-10
1.36E-06	-0.22264	1.18E-06	-0.11436	0.0134	-0.02988	0.51952	-0.21657	2.32E-06
0.00298	-0.11489	0.01298	-0.15513	0.00077	-0.13744	0.00292	-0.22626	7.79E-07
0.24665	0.091305	0.04862	0.132503	0.00413	0.198111	1.61E-05	0.080182	0.08347
4.77E-05	0.192436	2.83E-05	0.109864	0.01755	0.251214	3.74E-08	0.145354	0.00164
2.34E-09	0.187277	4.65E-05	0.126625	0.00614	0.136502	0.00312	0.260404	1.12E-08
0.76981	-0.08857	0.05579	-0.13033	0.00479	-0.05093	0.27206	0.07631	0.09955
0.00119	-0.16747	0.00028	-0.04161	0.36958	-0.04858	0.29481	-0.23613	2.44E-07
2.59E-09	0.147664	0.00137	0.250505	4.10E-08	0.202919	9.90E-06	0.253345	2.84E-08
0.00129	0.188159	4.28E-05	0.239174	1.69E-07	0.320105	1.38E-12	0.160193	0.00051
0.00428	0.023574	0.61135	0.128513	0.00541	0.189616	3.72E-05	0.032934	0.47771
3.97E-14	-0.21926	1.72E-06	-0.17122	0.0002	-0.11466	0.01316	-0.36124	7.68E-16
0.0085	-0.20289	9.92E-06	-0.13814	0.00278	-0.18843	4.17E-05	-0.2448	8.43E-08
0.49538	0.048556	0.29505	0.176647	0.00012	0.188898	3.99E-05	0.13452	0.00359
0.83613	-0.12462	0.00701	-0.05566	0.2299	-0.1113	0.01611	-0.21348	3.24E-06
3.05E-06	0.16625	0.00031	0.192982	2.68E-05	0.230747	4.62E-07	0.104403	0.02405
0.57133	-0.05708	0.21825	0.073608	0.11216	0.087668	0.05835	-0.00042	0.99277
5.20E-06	0.212858	3.47E-06	0.219527	1.67E-06	0.236217	2.41E-07	0.142402	0.00204
0.07771	-0.06837	0.14013	-0.04039	0.3838	-0.08822	0.05677	-0.00609	0.89552
0.95672	-0.00528	0.90939	0.035194	0.44801	0.023675	0.60982	0.017696	0.70289
0.00021	0.030922	0.50503	0.048141	0.2992	0.141131	0.00224	-0.0852	0.06582
1.34E-15	0.206876	6.56E-06	0.181141	8.26E-05	0.166554	0.0003	0.144225	0.00178
0.00022	-0.01582	0.73307	-0.04577	0.32366	-0.12475	0.00695	0.053568	0.24795
0.00076	-0.03034	0.51303	0.026268	0.57124	-0.03639	0.43276	0.094747	0.04069
0.01336	0.096515	0.03707	0.169129	0.00024	0.165006	0.00034	0.030224	0.51469
0.53108	-0.05961	0.19849	0.035486	0.44425	0.034347	0.45902	0.033123	0.47518
7.35E-06	0.102531	0.02672	0.19746	1.72E-05	0.198482	1.55E-05	0.211234	4.13E-06
0.09208	-0.10549	0.02261	-0.0218	0.63844	-0.03917	0.39832	0.03204	0.48975
0.43214	0.007258	0.8757	0.075072	0.10518	0.165643	0.00032	-0.05829	0.20862
3.51E-08	-0.3789	2.17E-17	-0.24629	7.00E-08	-0.31452	3.50E-12	-0.22507	8.93E-07
2.10E-07	-0.24799	5.64E-08	-0.13436	0.00363	-0.04475	0.33457	-0.1308	0.00464
2.11E-11	0.130345	0.00478	0.148346	0.0013	0.114102	0.01362	0.129495	0.00507
0.69984	-0.00839	0.85651	0.039924	0.38935	-0.05285	0.25439	-0.03945	0.39504
0.28855	-0.07107	0.12512	0.05821	0.20925	0.065971	0.15462	-0.02167	0.64038
4.37E-31	0.106519	0.02132	0.238443	1.84E-07	0.112688	0.01483	0.22311	1.12E-06
3.31E-08	-0.19555	2.08E-05	-0.18489	5.83E-05	-0.13528	0.0034	-0.20067	1.25E-05
3.98E-09	0.206807	6.61E-06	0.21367	3.18E-06	0.200679	1.24E-05	0.194733	2.26E-05
3.73E-06	-0.08835	0.05641	-0.02653	0.56743	0.0171	0.71244	-0.16983	0.00023
0.13327	-0.22281	1.15E-06	-0.17923	9.84E-05	-0.2512	3.75E-08	-0.22975	5.20E-07
0.0009	-0.06307	0.17361	-0.03854	0.40602	0.015888	0.73201	-0.21625	2.40E-06
9.63E-09	-0.20002	1.33E-05	-0.03395	0.46424	-0.0079	0.86488	-0.16186	0.00045
0.00076	0.012699	0.78431	0.000936	0.98391	0.086657	0.06132	-0.07598	0.10103
0.51432	0.03876	0.40333	0.066596	0.15075	0.140253	0.00238	-0.02445	0.59812
8.99E-08	0.164385	0.00036	0.078297	0.09101	0.117219	0.01124	0.167238	0.00028
2.70E-17	0.325346	5.64E-13	0.261769	9.35E-09	0.267714	4.17E-09	0.308498	9.38E-12

0.56839	0.119346	0.00984	0.166482	0.0003	0.206724	6.67E-06	0.01296	0.78
0.58005	-0.0374	0.42007	0.049863	0.28223	0.028089	0.54484	-0.03722	0.42227
4.66E-11	0.069002	0.13651	0.14149	0.00218	0.125437	0.00664	0.216852	2.24E-06
0.03549	0.004849	0.91677	0.078911	0.0885	0.049297	0.28773	0.088216	0.05678
0.12791	-0.03899	0.40059	0.071015	0.12541	0.060135	0.19456	-0.02424	0.60136
0.14296	0.003633	0.93759	0.032393	0.48498	-0.04636	0.31747	0.056126	0.22605
7.40E-08	-0.26225	8.77E-09	-0.15535	0.00076	-0.15038	0.00112	-0.19486	2.23E-05
0.36206	-0.04658	0.31521	-0.08559	0.0646	0.011547	0.80346	0.106111	0.02182
4.54E-06	0.212507	3.60E-06	0.237453	2.08E-07	0.264671	6.32E-09	0.103483	0.02533
6.30E-09	0.098463	0.0334	0.139059	0.0026	0.190699	3.35E-05	0.250596	4.05E-08
0.01485	-0.11545	0.01254	-0.05535	0.23252	-0.06074	0.19008	-0.19338	2.58E-05
0.02535	0.12475	0.00695	0.212551	3.59E-06	0.242825	1.08E-07	0.126393	0.00624
0.03273	0.191766	3.02E-05	0.343175	2.36E-14	0.301475	2.87E-11	0.199934	1.34E-05
0.33974	-0.16005	0.00052	-0.07888	0.08862	-0.07878	0.08902	0.034349	0.45899
0.03056	0.069637	0.13293	0.13926	0.00256	0.193731	2.49E-05	0.079976	0.08427
7.38E-12	-0.16598	0.00032	-0.13241	0.00415	-0.03937	0.39595	-0.27247	2.15E-09
0.56812	0.004451	0.92358	0.065494	0.15764	0.140224	0.00239	0.06036	0.19289
3.26E-13	0.138514	0.0027	0.110314	0.01709	0.148946	0.00125	0.171217	0.0002
4.71E-07	0.234709	2.89E-07	0.141146	0.00223	0.194173	2.39E-05	0.183418	6.69E-05
1.62E-05	0.088441	0.05615	0.121914	0.00836	0.135917	0.00325	0.051609	0.26569
1.42E-05	-0.22653	7.55E-07	-0.11416	0.01357	-0.09206	0.04677	-0.19282	2.73E-05
1.79E-09	0.109691	0.01773	0.204243	8.63E-06	0.169371	0.00024	0.190583	3.39E-05
0.0014	-0.25535	2.19E-08	-0.11225	0.01523	-0.07664	0.09807	-0.15628	0.0007
1.92E-17	0.130931	0.0046	0.235674	2.58E-07	0.245129	8.09E-08	0.284053	4.07E-10
0.00118	0.001019	0.98248	0.085824	0.06386	0.117609	0.01097	0.096515	0.03707
0.03746	0.137007	0.00301	0.158267	0.0006	0.138938	0.00262	0.069557	0.13337
0.06596	-0.05065	0.27474	0.03756	0.41806	0.055238	0.23349	-0.08797	0.05748
2.44E-19	0.117268	0.01121	0.161558	0.00046	0.066924	0.14875	0.298658	4.47E-11
1.26E-06	0.194452	2.32E-05	0.236949	2.21E-07	0.260168	1.16E-08	0.188855	4.00E-05
0.12918	-0.16342	0.00039	-0.04527	0.32896	-0.06505	0.1605	-0.12229	0.00816
2.77E-06	-0.10514	0.02307	-0.10996	0.01745	-0.04652	0.31583	-0.23414	3.09E-07
2.13E-09	0.048612	0.29449	0.135299	0.0034	0.122906	0.00784	0.221406	1.35E-06
0.00504	0.083557	0.07123	0.0467	0.31391	0.059231	0.20136	-0.16695	0.00029
1.23E-07	0.197155	1.78E-05	0.180733	8.58E-05	0.120994	0.00886	0.101061	0.02899
0.37744	-0.30006	3.59E-11	-0.03646	0.43186	-0.1242	0.00721	-0.03751	0.41872
0.61235	0.016449	0.72294	-0.03826	0.40942	-0.04691	0.31175	-0.12746	0.00581
0.01221	-0.02273	0.62423	0.141629	0.00216	0.11681	0.01153	0.090123	0.05162
9.05E-14	0.203901	8.94E-06	0.390154	1.98E-18	0.298697	4.44E-11	0.355606	2.29E-15
7.76E-64	0.343508	2.22E-14	0.453699	4.33E-25	0.329837	2.58E-13	0.550103	2.71E-38
4.07E-26	0.287367	2.49E-10	0.405873	6.02E-20	0.299924	3.67E-11	0.537276	2.77E-36
4.04E-08	0.432896	9.42E-23	0.437732	2.79E-23	0.452693	5.66E-25	0.485162	6.02E-29
4.07E-15	0.30693	1.21E-11	0.42714	3.92E-22	0.315796	2.84E-12	0.447385	2.31E-24
0.00359	0.092536	0.04565	0.216491	2.34E-06	0.145493	0.00162	0.176251	0.00013
6.06E-32	0.298995	4.24E-11	0.438507	2.29E-23	0.300037	3.60E-11	0.616708	2.84E-50
0.03407	0.184083	6.29E-05	0.239775	1.57E-07	0.163777	0.00038	0.266894	4.66E-09

0.05574	0.459576	8.83E-26	0.407841	3.83E-20	0.417514	4.00E-21	0.232456	3.78E-07
1.52E-15	0.418258	3.35E-21	0.504455	1.62E-31	0.386219	4.62E-18	0.43453	6.26E-23
2.33E-15	0.22897	5.69E-07	0.342275	2.79E-14	0.258683	1.41E-08	0.394975	6.93E-19
1.10E-33	0.421855	1.42E-21	0.524643	2.19E-34	0.444607	4.76E-24	0.647353	8.22E-57
1.67E-44	0.345958	1.41E-14	0.433958	7.22E-23	0.333435	1.37E-13	0.612332	2.14E-49
0.0572	-0.09142	0.04834	0.305031	1.64E-11	0.175238	0.00014	0.130742	0.00466
7.62E-26	0.486012	4.68E-29	0.440904	1.24E-23	0.454719	3.29E-25	0.503324	2.32E-31
2.10E-35	0.46951	5.60E-27	0.541914	5.32E-37	0.476126	8.48E-28	0.612772	1.75E-49
8.35E-05	0.270518	2.83E-09	0.417211	4.30E-21	0.320966	1.19E-12	0.314694	3.40E-12
1.21E-35	0.369511	1.48E-16	0.509322	3.43E-32	0.389715	2.18E-18	0.576299	1.12E-42
0.01697	0.049068	0.28998	0.176958	0.00012	0.207475	6.16E-06	0.205178	7.83E-06
0.88355	0.082464	0.07502	0.225981	8.04E-07	0.196039	1.99E-05	0.188853	4.00E-05
2.89E-48	0.192775	2.74E-05	0.345026	1.68E-14	0.247327	6.14E-08	0.555224	4.04E-39
7.44E-26	0.538406	1.86E-36	0.56019	6.17E-40	0.503324	2.32E-31	0.626894	2.30E-52
1.63E-07	-0.00868	0.85161	0.136308	0.00316	0.013935	0.76391	0.327878	3.64E-13
5.47E-35	0.362394	6.12E-16	0.505272	1.25E-31	0.349696	7.04E-15	0.516193	3.67E-33
4.52E-36	0.371598	9.72E-17	0.474591	1.32E-27	0.409073	2.89E-20	0.569814	1.48E-41
2.07E-16	0.374013	5.94E-17	0.485693	5.14E-29	0.385494	5.40E-18	0.51646	3.36E-33
1.24E-15	0.239209	1.68E-07	0.389515	2.28E-18	0.342602	2.63E-14	0.453521	4.54E-25
9.70E-05	0.318079	1.94E-12	0.299577	3.87E-11	0.231137	4.42E-07	0.31063	6.63E-12
3.80E-34	0.448368	1.78E-24	0.480992	2.06E-28	0.34375	2.13E-14	0.547553	6.91E-38
0.00194	0.343667	2.16E-14	0.345514	1.54E-14	0.283415	4.47E-10	0.335447	9.59E-14
1.21E-18	0.254483	2.45E-08	0.420981	1.75E-21	0.329016	2.98E-13	0.607062	2.32E-48
1.10E-14	0.280986	6.38E-10	0.35669	1.86E-15	0.329539	2.72E-13	0.393382	9.82E-19
1.30E-10	0.187829	4.42E-05	0.293142	1.04E-10	0.194235	2.37E-05	0.391422	1.51E-18
2.36E-19	0.206572	6.77E-06	0.363403	5.02E-16	0.287173	2.57E-10	0.490526	1.21E-29
7.83E-17	0.193185	2.63E-05	0.313674	4.03E-12	0.260072	1.17E-08	0.371141	1.07E-16
1.44E-35	0.265469	5.67E-09	0.370758	1.15E-16	0.279908	7.45E-10	0.513176	9.85E-33
4.49E-22	0.340248	4.04E-14	0.409459	2.64E-20	0.351102	5.40E-15	0.464894	2.04E-26
0.14208	0.129001	0.00524	0.228886	5.75E-07	0.207674	6.03E-06	0.169425	0.00023
4.93E-32	0.266696	4.79E-09	0.317132	2.27E-12	0.229149	5.57E-07	0.491314	9.51E-30
2.37E-16	0.371389	1.01E-16	0.443393	6.52E-24	0.354683	2.73E-15	0.460548	6.76E-26
1.02E-32	0.349015	8.00E-15	0.501149	4.59E-31	0.41001	2.32E-20	0.494559	3.54E-30
1.64E-21	0.222033	1.26E-06	0.44	1.56E-23	0.3702	1.29E-16	0.396477	4.97E-19
2.26E-29	0.418203	3.40E-21	0.476296	8.08E-28	0.354298	2.94E-15	0.528435	6.00E-35
4.40E-27	0.506167	9.42E-32	0.49319	5.37E-30	0.474276	1.44E-27	0.643944	4.78E-56
2.81E-39	0.414923	7.38E-21	0.471404	3.28E-27	0.397577	3.90E-19	0.547213	7.82E-38
0.28456	-0.10577	0.02225	0.087307	0.05939	0.036302	0.43383	0.091799	0.04741
9.83E-13	0.349238	7.67E-15	0.452327	6.24E-25	0.398958	2.87E-19	0.433543	8.01E-23
2.51E-20	0.155574	0.00074	0.190591	3.39E-05	-0.00181	0.96893	0.311332	5.92E-12
1.25E-14	0.131606	0.00439	0.181019	8.36E-05	0.105812	0.0222	0.246475	6.83E-08
4.23E-20	0.327346	3.99E-13	0.47591	9.03E-28	0.443059	7.11E-24	0.4637	2.84E-26
4.74E-19	0.105166	0.02303	0.28745	2.46E-10	0.206421	6.88E-06	0.36834	1.88E-16
9.37E-06	-0.01437	0.75685	0.151642	0.00101	0.141925	0.00211	0.196778	1.84E-05
1.64E-44	0.417897	3.65E-21	0.420695	1.87E-21	0.342424	2.71E-14	0.578015	5.58E-43



7.18E-33	0.317579	2.11E-12	0.306092	1.38E-11	0.219412	1.69E-06	0.5064	8.74E-32
4.09E-22	0.323394	7.88E-13	0.493515	4.87E-30	0.376145	3.83E-17	0.512285	1.32E-32
2.61E-21	0.342867	2.50E-14	0.451248	8.32E-25	0.402335	1.34E-19	0.465682	1.64E-26
4.65E-37	0.49047	1.23E-29	0.516786	3.02E-33	0.435313	5.14E-23	0.626628	2.61E-52
9.22E-05	0.139508	0.00252	0.304744	1.71E-11	0.220527	1.49E-06	0.269783	3.13E-09
8.12E-30	0.031486	0.49729	0.119757	0.00959	-0.05337	0.24967	0.353634	3.34E-15
9.02E-59	0.440281	1.45E-23	0.463211	3.25E-26	0.320723	1.24E-12	0.584832	3.41E-44
0.51601	0.132301	0.00418	0.441519	1.06E-23	0.366343	2.80E-16	0.233878	3.19E-07
1.78E-31	0.237819	1.99E-07	0.353747	3.27E-15	0.237516	2.06E-07	0.493599	4.74E-30
2.71E-29	0.117385	0.01113	0.209989	4.72E-06	0.128934	0.00526	0.422649	1.17E-21
3.41E-26	0.46334	3.14E-26	0.512307	1.31E-32	0.376182	3.80E-17	0.509557	3.18E-32
3.73E-59	0.366675	2.62E-16	0.483457	9.98E-29	0.353106	3.69E-15	0.575181	1.75E-42
2.87E-35	0.443719	6.00E-24	0.507391	6.37E-32	0.441967	9.43E-24	0.550987	1.96E-38
1.03E-26	0.360362	9.11E-16	0.43364	7.82E-23	0.364472	4.06E-16	0.545869	1.28E-37
1.17E-45	0.370657	1.18E-16	0.499595	7.46E-31	0.391512	1.48E-18	0.595963	3.07E-46
0.35706	0.188279	4.23E-05	0.329315	2.83E-13	0.345485	1.54E-14	0.202462	1.04E-05
6.78E-09	0.103236	0.02568	0.225065	8.93E-07	0.06992	0.13136	0.260748	1.07E-08
2.03E-17	0.27851	9.12E-10	0.447818	2.06E-24	0.368084	1.98E-16	0.520132	9.94E-34
2.88E-42	0.265103	5.96E-09	0.303933	1.95E-11	0.163436	0.00039	0.413364	1.06E-20
3.90E-47	0.240394	1.45E-07	0.354433	2.87E-15	0.230299	4.87E-07	0.52729	8.88E-35
4.37E-25	0.226938	7.20E-07	0.36302	5.41E-16	0.287328	2.51E-10	0.502297	3.20E-31
4.98E-15	0.16629	0.00031	0.249232	4.82E-08	0.173503	0.00016	0.348958	8.08E-15
0.02449	0.19182	3.01E-05	0.32057	1.27E-12	0.248692	5.16E-08	0.313436	4.19E-12
1.27E-22	0.347661	1.03E-14	0.499156	8.55E-31	0.406631	5.06E-20	0.553359	8.11E-39
0.00078	0.046009	0.32114	0.219902	1.60E-06	0.172624	0.00018	0.16814	0.00026
7.84E-17	0.205559	7.53E-06	0.264954	6.08E-09	0.215244	2.68E-06	0.452135	6.57E-25
1.19E-13	0.304107	1.90E-11	0.391161	1.59E-18	0.334843	1.07E-13	0.466025	1.49E-26
2.04E-17	0.275273	1.45E-09	0.334313	1.17E-13	0.324659	6.34E-13	0.423974	8.48E-22
0.00052	0.048836	0.29227	0.276958	1.14E-09	0.19699	1.81E-05	0.289731	1.75E-10
5.23E-06	0.321174	1.15E-12	0.422562	1.19E-21	0.333127	1.45E-13	0.380812	1.45E-17
2.61E-46	0.397578	3.90E-19	0.424515	7.44E-22	0.305608	1.49E-11	0.544216	2.32E-37
1.74E-37	0.34147	3.23E-14	0.394872	7.09E-19	0.279401	8.02E-10	0.523745	2.96E-34
1.03E-08	0.048267	0.29793	0.204552	8.36E-06	0.098458	0.03341	0.249367	4.74E-08
3.64E-41	0.273433	1.88E-09	0.311735	5.54E-12	0.279944	7.42E-10	0.517637	2.28E-33
1.78E-58	0.444886	4.43E-24	0.49468	3.41E-30	0.390157	1.98E-18	0.618505	1.23E-50
1.28E-09	0.419964	2.23E-21	0.438135	2.51E-23	0.388409	2.89E-18	0.559216	8.95E-40
8.02E-37	0.178375	0.00011	0.308605	9.22E-12	0.191082	3.23E-05	0.524613	2.21E-34
3.63E-11	0.268458	3.76E-09	0.309787	7.61E-12	0.248242	5.46E-08	0.354023	3.10E-15
0.00013	0.111088	0.01632	0.29113	1.42E-10	0.201443	1.15E-05	0.299877	3.69E-11
1.29E-16	0.340115	4.13E-14	0.36679	2.56E-16	0.284968	3.56E-10	0.494536	3.56E-30
3.78E-14	0.4367	3.62E-23	0.449482	1.33E-24	0.431903	1.21E-22	0.50569	1.10E-31
9.98E-26	0.315059	3.20E-12	0.388656	2.74E-18	0.30507	1.63E-11	0.499229	8.36E-31
1.66E-13	0.314043	3.79E-12	0.358996	1.19E-15	0.201968	1.09E-05	0.440341	1.43E-23
7.63E-61	0.438341	2.39E-23	0.483499	9.86E-29	0.32308	8.31E-13	0.547939	6.00E-38
3.72E-16	0.389634	2.22E-18	0.424481	7.50E-22	0.330318	2.38E-13	0.477387	5.89E-28

9.93E-07	0.356981	1.76E-15	0.422616	1.18E-21	0.438892	2.07E-23	0.479664	3.04E-28
4.76E-32	0.329478	2.75E-13	0.441444	1.08E-23	0.317024	2.31E-12	0.529402	4.31E-35
8.33E-06	0.210782	4.34E-06	0.378883	2.17E-17	0.321764	1.04E-12	0.329089	2.95E-13
2.66E-25	0.373585	6.48E-17	0.426232	4.89E-22	0.312606	4.80E-12	0.435409	5.01E-23
9.94E-77	0.369761	1.41E-16	0.378764	2.23E-17	0.25671	1.83E-08	0.508072	5.12E-32
3.08E-05	0.197198	1.77E-05	0.293309	1.02E-10	0.302955	2.28E-11	0.434214	6.77E-23
3.07E-11	0.16461	0.00035	0.339147	4.93E-14	0.230709	4.64E-07	0.377722	2.77E-17
2.16E-51	0.407244	4.40E-20	0.352771	3.93E-15	0.261322	9.93E-09	0.501572	4.02E-31
5.78E-74	0.303486	2.09E-11	0.421613	1.50E-21	0.273503	1.86E-09	0.551081	1.89E-38
2.10E-63	0.276347	1.24E-09	0.341892	2.99E-14	0.214929	2.77E-06	0.54597	1.23E-37
1.10E-10	0.099651	0.03131	0.245645	7.58E-08	0.207165	6.36E-06	0.36328	5.14E-16
6.02E-34	0.514189	7.08E-33	0.512742	1.13E-32	0.423218	1.02E-21	0.560259	6.01E-40
2.03E-32	0.447443	2.27E-24	0.543902	2.60E-37	0.488508	2.22E-29	0.628255	1.19E-52
2.09E-70	0.406535	5.17E-20	0.481652	1.70E-28	0.335517	9.47E-14	0.551084	1.89E-38
3.39E-29	0.390479	1.85E-18	0.543889	2.61E-37	0.434758	5.91E-23	0.484673	6.97E-29
1.26E-28	0.235306	2.69E-07	0.493087	5.55E-30	0.353327	3.54E-15	0.46751	9.83E-27
1.45E-23	0.163803	0.00038	0.300098	3.57E-11	0.148132	0.00133	0.400219	2.16E-19
8.90E-07	0.129245	0.00515	0.2542	2.54E-08	0.207401	6.21E-06	0.407318	4.32E-20
8.86E-09	0.042097	0.36404	0.301206	3.00E-11	0.168524	0.00025	0.320459	1.30E-12
3.92E-10	0.291901	1.26E-10	0.45863	1.14E-25	0.37865	2.28E-17	0.399106	2.77E-19
5.80E-43	0.440662	1.32E-23	0.497729	1.33E-30	0.390409	1.88E-18	0.595412	3.89E-46
5.23E-05	0.321002	1.18E-12	0.331888	1.80E-13	0.224401	9.63E-07	0.26366	7.24E-09
6.46E-33	-0.01769	0.70305	0.137425	0.00292	-0.0606	0.19111	0.352571	4.09E-15
6.06E-15	0.197812	1.66E-05	0.336066	8.58E-14	0.27532	1.44E-09	0.396983	4.45E-19
1.96E-31	0.462791	3.65E-26	0.468464	7.52E-27	0.452307	6.27E-25	0.571752	6.88E-42
5.55E-25	0.25191	3.42E-08	0.439103	1.96E-23	0.350445	6.11E-15	0.524591	2.22E-34
4.43E-49	0.339506	4.62E-14	0.447286	2.37E-24	0.392404	1.22E-18	0.569382	1.75E-41
3.22E-24	0.365797	3.12E-16	0.366033	2.98E-16	0.359625	1.05E-15	0.471796	2.93E-27
5.78E-32	0.216277	2.39E-06	0.32075	1.24E-12	0.250504	4.10E-08	0.507247	6.67E-32
1.18E-17	0.204014	8.84E-06	0.30462	1.75E-11	0.180751	8.57E-05	0.391424	1.51E-18
5.88E-09	0.435061	5.47E-23	0.434286	6.65E-23	0.447269	2.38E-24	0.508012	5.22E-32
6.22E-35	0.36802	2.00E-16	0.506877	7.51E-32	0.371279	1.04E-16	0.519648	1.17E-33
0.00625	0.035494	0.44415	0.095706	0.03869	0.106849	0.02092	0.265145	5.92E-09
9.66E-29	0.39331	9.98E-19	0.373783	6.23E-17	0.324919	6.07E-13	0.574136	2.66E-42
1.46E-11	0.152718	0.00093	0.247828	5.76E-08	0.148372	0.0013	0.386139	4.70E-18
6.97E-09	-0.00758	0.87014	0.086853	0.06073	-0.02521	0.58684	0.219808	1.62E-06
3.50E-11	0.05063	0.27488	0.166678	0.0003	0.097409	0.03534	0.281512	5.91E-10
2.57E-32	0.190185	3.52E-05	0.429179	2.37E-22	0.267105	4.53E-09	0.447988	1.97E-24
1.15E-38	0.353823	3.22E-15	0.485566	5.34E-29	0.376011	3.94E-17	0.568679	2.31E-41
3.39E-19	0.402896	1.18E-19	0.436656	3.66E-23	0.363485	4.94E-16	0.526296	1.25E-34
1.73E-13	0.196172	1.96E-05	0.299099	4.17E-11	0.197442	1.73E-05	0.413666	9.92E-21
7.45E-33	0.186716	4.91E-05	0.288831	2.00E-10	0.161353	0.00046	0.502185	3.32E-31
1.57E-15	0.220923	1.43E-06	0.333418	1.38E-13	0.294455	8.55E-11	0.409222	2.79E-20
3.28E-54	0.337013	7.24E-14	0.417504	4.01E-21	0.294617	8.34E-11	0.575447	1.57E-42
6.89E-23	0.476885	6.81E-28	0.505712	1.09E-31	0.48276	1.23E-28	0.620666	4.47E-51

7.12E-09	0.276255	1.26E-09	0.29363	9.70E-11	0.344999	1.69E-14	0.443331	6.63E-24
1.79E-19	0.45533	2.79E-25	0.49558	2.59E-30	0.437995	2.61E-23	0.516007	3.90E-33
1.29E-08	0.213377	3.28E-06	0.342877	2.50E-14	0.359293	1.12E-15	0.360632	8.64E-16
0.38443	0.129212	0.00517	0.229166	5.56E-07	0.233026	3.53E-07	0.189267	3.85E-05
2.05E-19	0.344887	1.72E-14	0.472371	2.49E-27	0.415827	5.96E-21	0.561093	4.37E-40
6.68E-24	0.204349	8.54E-06	0.22424	9.81E-07	0.167467	0.00028	0.439261	1.89E-23
3.20E-16	0.214078	3.04E-06	0.368337	1.88E-16	0.295967	6.78E-11	0.416757	4.79E-21
3.22E-09	0.339566	4.57E-14	0.512391	1.27E-32	0.437372	3.05E-23	0.512986	1.05E-32
5.44E-50	0.511958	1.46E-32	0.576586	9.94E-43	0.492928	5.82E-30	0.612338	2.13E-49
1.80E-08	0.078076	0.09193	0.203975	8.87E-06	0.052749	0.25527	0.219171	1.74E-06
2.03E-18	0.386941	3.96E-18	0.358647	1.27E-15	0.35582	2.20E-15	0.496269	2.09E-30
0.00133	-0.06989	0.13151	0.001201	0.97936	-0.07647	0.09883	0.109835	0.01758
0.0893	-0.07183	0.12113	-0.07734	0.09506	-0.13261	0.0041	0.006028	0.89663
0.01159	0.246791	6.56E-08	0.178739	0.0001	0.165561	0.00033	0.270422	2.86E-09
0.41207	-0.01314	0.77703	-0.03574	0.44105	-0.01387	0.76498	-0.00434	0.92542
0.63499	-0.18532	5.60E-05	-0.11742	0.0111	-0.18988	3.63E-05	-0.00606	0.89613
0.03253	-0.15941	0.00054	-0.10079	0.02942	-0.13102	0.00457	-0.05783	0.21222
0.00028	-0.17412	0.00016	-0.12581	0.00648	-0.20259	1.02E-05	0.081326	0.07915
0.39055	0.036663	0.42927	-0.07683	0.09727	-0.06734	0.14622	0.092431	0.04589
0.81067	-0.0152	0.74313	0.031285	0.50004	0.007251	0.87581	0.06692	0.14877
0.63921	-0.12016	0.00935	-0.07063	0.12745	-0.04787	0.30195	-0.07837	0.09069
0.09997	-0.19607	1.98E-05	-0.12646	0.00621	-0.14602	0.00156	-0.14279	0.00198
0.33602	0.017473	0.70646	0.01446	0.75529	-0.00029	0.99496	0.050919	0.27215
0.28054	-0.12499	0.00684	-0.10057	0.02977	-0.1327	0.00407	-0.01712	0.7121
0.0194	0.016239	0.72633	0.03544	0.44484	-0.01846	0.69071	0.119221	0.00992
0.28259	0.01636	0.72438	-0.02589	0.57677	-0.02833	0.54139	0.082388	0.07529
0.06321	-0.0808	0.0811	-0.02009	0.66506	-0.08035	0.08281	0.010017	0.82907
0.00475	0.163379	0.00039	0.155573	0.00074	0.13202	0.00427	0.204506	8.40E-06
0.89999	-0.14024	0.00239	-0.15787	0.00062	-0.20287	9.94E-06	-0.09636	0.03738
3.24E-06	-0.17277	0.00018	-0.10764	0.01999	-0.19835	1.58E-05	0.034649	0.45507
2.47E-10	-0.07673	0.09769	-0.00846	0.85524	-0.12933	0.00512	0.114331	0.01343
0.00127	0.033258	0.47338	0.097004	0.03612	0.002816	0.9516	0.105398	0.02273
0.0829	-0.04075	0.37964	-0.03472	0.45412	-0.03278	0.47983	0.07882	0.08887
0.87683	-0.04313	0.35242	0.081893	0.07707	0.032416	0.48467	0.0969	0.03632
0.49096	-0.23638	2.37E-07	-0.23685	2.24E-07	-0.19804	1.63E-05	-0.08161	0.07811
0.59435	-0.09048	0.05069	-0.07014	0.13014	-0.07949	0.08619	-0.02777	0.54938
0.56563	-0.12981	0.00496	-0.06291	0.17474	-0.13307	0.00397	0.017025	0.71365
0.3085	0.018149	0.69566	0.006366	0.89087	0.006072	0.89588	0.040289	0.38503
0.77946	-0.0064	0.89031	0.039322	0.39654	0.054591	0.23902	0.018803	0.68528
0.92346	-0.10791	0.01968	-0.02484	0.59234	-0.03203	0.48984	-0.15874	0.00058
0.00117	-0.16065	0.00049	-0.08372	0.07068	-0.08402	0.06968	-0.12363	0.00748
0.56579	-0.25806	1.53E-08	-0.21088	4.29E-06	-0.24298	1.06E-07	-0.1047	0.02365
7.35E-07	-0.1816	7.92E-05	-0.09988	0.03092	-0.0562	0.22541	-0.252	3.38E-08
0.7878	-0.02434	0.59986	-0.01815	0.69563	-0.04418	0.34081	0.031733	0.49391
0.11644	-0.0432	0.35157	-0.03526	0.44716	-0.07764	0.09376	0.056366	0.22407

0.31423	0.004547	0.92193	0.002775	0.95231	-0.03852	0.40626	0.07471	0.10687
0.02901	-0.13473	0.00353	-0.00717	0.87714	-0.03723	0.42214	-0.05427	0.24178
0.86998	-0.20696	6.51E-06	-0.12513	0.00678	-0.18999	3.59E-05	-0.05098	0.27157
0.12901	-0.19142	3.13E-05	-0.11839	0.01045	-0.15697	0.00066	-0.05633	0.2244
0.50906	-0.11718	0.01127	-0.05895	0.2035	-0.08178	0.07747	-0.03927	0.39716
0.74895	0.021788	0.63862	0.039467	0.39481	0.031008	0.50384	0.086282	0.06245
0.44752	-0.07348	0.11279	-0.04689	0.31198	-0.05502	0.23537	-0.02254	0.62706
0.22326	-0.19268	2.76E-05	-0.11829	0.01051	-0.14338	0.0019	-0.11768	0.01092
0.92418	-0.02979	0.52077	0.017489	0.70621	-0.00217	0.96271	0.067891	0.14295
0.22948	-0.12295	0.00782	-0.12123	0.00873	-0.14526	0.00165	-0.03153	0.49669
0.82134	-0.04742	0.30653	-0.0041	0.92962	-0.02987	0.51957	0.000272	0.99532
0.6074	0.037363	0.42051	0.033295	0.47289	0.037192	0.42264	0.053461	0.24889
0.93898	-0.06887	0.13725	-0.04327	0.35078	-0.07947	0.08626	-0.01848	0.69047
0.58662	-0.07274	0.11645	-0.06093	0.18874	-0.086	0.06331	-0.01426	0.75856
0.07353	-0.09017	0.05149	-0.04014	0.38678	-0.09627	0.03756	0.041901	0.36628
0.01418	-0.16347	0.00039	-0.07618	0.10012	-0.10205	0.02744	-0.16992	0.00023
0.06455	-0.26633	5.04E-09	-0.12689	0.00604	-0.17794	0.00011	-0.02937	0.5266
0.92208	0.12578	0.0065	0.033557	0.46941	0.054289	0.24164	0.076641	0.09808
0.05491	-0.05392	0.24488	-0.05773	0.21304	-0.12125	0.00872	0.076902	0.09694
0.00447	-0.163	0.00041	-0.18371	6.51E-05	-0.06486	0.16172	-0.045	0.33185
0.9622	-0.1229	0.00784	-0.08582	0.06388	-0.11359	0.01405	0.018317	0.69298
0.14552	-0.06759	0.14474	-0.09492	0.04034	-0.06321	0.17269	0.056766	0.2208
0.00457	-0.25516	2.24E-08	-0.31218	5.15E-12	-0.27433	1.66E-09	-0.14929	0.00121
0.21342	-0.12053	0.00913	-0.02429	0.60061	-0.0491	0.2897	0.041405	0.37199
0.17366	-0.00923	0.84239	-0.07038	0.12884	-0.06562	0.15684	-0.02138	0.64499
7.45E-06	-0.17428	0.00015	-0.12254	0.00803	-0.14238	0.00204	-0.16929	0.00024
0.29864	-0.06022	0.19393	-0.05857	0.20641	-0.10133	0.02855	0.0516	0.26577
0.03324	-0.15326	0.00089	-0.12224	0.00818	-0.18159	7.93E-05	0.056033	0.22682
0.00365	-0.16713	0.00029	-0.09866	0.03305	-0.06051	0.19179	-0.08694	0.06048
0.02095	-0.10757	0.02007	-0.01852	0.68982	-0.08994	0.05211	0.032239	0.48705
0.15754	-0.10756	0.02007	-0.07618	0.10013	-0.13093	0.00459	0.023896	0.60649
0.94084	-0.09847	0.03339	-0.17821	0.00011	-0.13321	0.00393	-0.02736	0.55532
0.00053	-0.2538	2.68E-08	-0.16549	0.00033	-0.19799	1.63E-05	-0.20921	5.13E-06
0.05677	-0.19947	1.41E-05	-0.18039	8.86E-05	-0.22649	7.59E-07	-0.10281	0.0263
0.26305	-0.15428	0.00082	-0.17878	0.0001	-0.184	6.34E-05	0.027731	0.54998
0.27668	-0.10307	0.02592	-0.10853	0.01898	-0.0941	0.04209	0.005876	0.89922
0.56787	-0.16216	0.00043	-0.20705	6.44E-06	-0.21169	3.93E-06	-0.00648	0.8889
0.02146	-0.28424	3.96E-10	-0.26963	3.20E-09	-0.24942	4.71E-08	-0.02685	0.56279
0.62883	-0.32233	9.45E-13	-0.26513	5.93E-09	-0.33803	6.03E-14	-0.13099	0.00458
0.02426	-0.12452	0.00706	-0.09652	0.03707	-0.11221	0.01527	-0.03509	0.44932
0.77036	0.003352	0.94242	0.032135	0.48847	0.020573	0.65745	0.019279	0.67774
0.01678	0.063974	0.16752	0.105641	0.02242	0.067883	0.14299	0.173339	0.00017
0.02466	0.027643	0.55125	0.022116	0.63356	-0.01029	0.82456	0.078218	0.09134
0.14277	-0.00634	0.89131	0.073983	0.11033	0.062041	0.18076	0.103868	0.02479
0.00067	-0.02276	0.62376	0.08167	0.07788	0.025138	0.5879	0.138522	0.0027

1.89E-13	-0.09769	0.03482	-0.08234	0.07546	-0.16847	0.00026	0.15636	0.0007
0.00264	-0.16808	0.00026	-0.17055	0.00021	-0.17438	0.00015	-0.11594	0.01217
0.00041	-0.01137	0.80636	-0.05166	0.26518	-0.06982	0.13192	0.048305	0.29755
0.0003	-0.01104	0.81196	-0.0094	0.83939	-0.07216	0.11942	-0.00308	0.94702
0.02074	-0.05585	0.22832	-0.05691	0.21964	-0.10331	0.02557	0.073009	0.11512
0.05326	-0.07396	0.11044	-0.06381	0.1686	-0.11735	0.01115	-0.00552	0.90535
0.01098	-0.01473	0.75086	-0.04383	0.34457	-0.0769	0.09694	0.077033	0.09637
0.56621	-0.18494	5.81E-05	-0.10909	0.01836	-0.16526	0.00034	-0.02439	0.59913
0.92562	-0.20158	1.14E-05	-0.12525	0.00673	-0.17344	0.00017	-0.02041	0.66005
0.67071	-0.14555	0.00161	-0.10565	0.0224	-0.13331	0.0039	0.050205	0.27894
0.73346	-0.05876	0.20495	-0.03264	0.48165	-0.04554	0.32613	0.047646	0.3042
0.23582	-0.1617	0.00045	-0.10709	0.02062	-0.18814	4.29E-05	0.021143	0.64859
0.95973	-0.14534	0.00164	-0.10645	0.0214	-0.15219	0.00097	-0.02148	0.64333
0.99359	-0.10192	0.02765	-0.03489	0.45189	-0.07338	0.11327	0.031777	0.49332
0.37535	-0.06672	0.14997	-0.0369	0.42631	-0.05112	0.27028	0.009458	0.83848
0.41704	-0.16402	0.00037	-0.09706	0.03602	-0.15691	0.00067	-0.02067	0.65596
7.13E-08	-0.04341	0.34928	-0.06856	0.13903	-0.15407	0.00084	0.034517	0.45679
0.60123	0.014234	0.75901	0.036532	0.43093	0.01728	0.70956	0.099793	0.03107
0.06621	-0.01958	0.673	-0.00877	0.85013	-0.03105	0.50332	0.097357	0.03544
0.87353	-0.06825	0.14084	-0.08588	0.06368	-0.08977	0.05254	0.0123	0.79094
0.027	-0.08231	0.07556	-0.03536	0.44587	-0.07761	0.09391	0.078736	0.08921
0.51295	-0.21464	2.86E-06	-0.09832	0.03366	-0.183	6.96E-05	-0.03326	0.47341
0.00407	-0.21144	4.04E-06	-0.134	0.00372	-0.10508	0.02315	-0.07962	0.08565
0.17771	-0.03989	0.38974	-0.06319	0.17278	-0.11422	0.01352	0.079395	0.08656
0.00036	0.04135	0.37262	0.039836	0.3904	-0.02419	0.60206	0.092817	0.04499
6.43E-08	-0.04274	0.35681	0.043031	0.35348	-0.06652	0.15122	0.210439	4.50E-06
2.12E-55	0.448929	1.54E-24	0.423209	1.02E-21	0.310942	6.30E-12	0.738208	1.58E-81
1.80E-14	0.456245	2.18E-25	0.359822	1.01E-15	0.42676	4.30E-22	0.737779	2.18E-81
1.59E-60	0.354854	2.64E-15	0.378032	2.59E-17	0.325512	5.48E-13	0.808895	#####
1.71E-31	0.095638	0.03883	0.060162	0.19435	-0.01936	0.67652	0.609218	8.80E-49
1.53E-54	0.252242	3.28E-08	0.335689	9.18E-14	0.141567	0.00217	0.684674	7.21E-66
2.28E-42	0.754308	5.13E-87	0.584662	3.65E-44	0.546666	9.55E-38	0.853648	#####
5.08E-14	0.297667	5.21E-11	0.342838	2.51E-14	0.245444	7.77E-08	0.678187	3.38E-64
0.93716	0.104942	0.02333	0.208404	5.58E-06	0.157189	0.00065	0.482408	1.36E-28
1.55E-46	0.656955	5.11E-59	0.528869	5.17E-35	0.480704	2.24E-28	0.847788	#####
1.63E-28	0.241855	1.21E-07	0.387964	3.18E-18	0.299939	3.66E-11	0.767129	1.06E-91
1.43E-17	0.203861	8.98E-06	0.090533	0.05056	0.150608	0.0011	0.494915	3.17E-30
2.21E-52	0.61728	2.18E-50	0.473383	1.86E-27	0.467337	1.03E-26	0.831246	#####
5.79E-69	0.476102	8.54E-28	0.407955	3.73E-20	0.328645	3.18E-13	0.861629	#####
4.42E-06	0.136213	0.00318	0.225466	8.53E-07	0.145654	0.0016	0.543555	2.95E-37
4.15E-60	0.688374	7.68E-67	0.448579	1.68E-24	0.414513	8.13E-21	0.813908	#####
2.78E-26	0.600784	3.77E-47	0.507791	5.61E-32	0.530432	3.02E-35	0.794163	#####
3.76E-93	0.510489	2.35E-32	0.382217	1.08E-17	0.291247	1.39E-10	0.786279	2.75E-99
6.21E-28	0.38931	2.38E-18	0.398832	2.95E-19	0.385113	5.85E-18	0.675657	1.47E-63
4.29E-21	0.355294	2.43E-15	0.277039	1.13E-09	0.201188	1.18E-05	0.728771	1.69E-78

1.46E-59	0.462451	4.01E-26	0.481867	1.60E-28	0.39446	7.76E-19	0.847687	#####
1.10E-31	0.567633	3.48E-41	0.453221	4.92E-25	0.438762	2.14E-23	0.761488	1.33E-89
6.34E-47	0.613623	1.18E-49	0.542907	3.72E-37	0.518785	1.56E-33	0.869625	#####
1.07E-37	0.474782	1.25E-27	0.48139	1.83E-28	0.417622	3.90E-21	0.810431	#####
1.81E-30	0.302971	2.27E-11	0.342075	2.89E-14	0.237748	2.01E-07	0.723894	5.58E-77
2.09E-46	0.433358	8.39E-23	0.321262	1.13E-12	0.270272	2.92E-09	0.722227	1.81E-76
1.36E-05	0.609917	6.41E-49	0.340554	3.82E-14	0.399527	2.52E-19	0.546256	1.11E-37
6.26E-55	0.551826	1.43E-38	0.447074	2.50E-24	0.376678	3.43E-17	0.822757	#####
3.30E-51	0.527999	6.97E-35	0.389541	2.27E-18	0.314649	3.43E-12	0.772476	9.62E-94
1.87E-39	0.422787	1.13E-21	0.455832	2.44E-25	0.373329	6.83E-17	0.822502	#####
2.72E-17	0.344596	1.82E-14	0.440196	1.49E-23	0.373876	6.11E-17	0.767743	6.23E-92
6.92E-10	0.227651	6.63E-07	0.256463	1.89E-08	0.157046	0.00066	0.523474	3.24E-34
0.00086	0.164212	0.00037	0.246899	6.48E-08	0.23101	4.48E-07	0.450279	1.08E-24
2.14E-78	0.531836	1.86E-35	0.451049	8.77E-25	0.391112	1.61E-18	0.884953	#####
4.22E-34	0.324711	6.29E-13	0.368467	1.83E-16	0.326897	4.31E-13	0.746154	3.48E-84
3.53E-31	0.374617	5.25E-17	0.415879	5.89E-21	0.37371	6.32E-17	0.746521	2.61E-84
7.50E-17	0.321572	1.07E-12	0.206975	6.49E-06	0.247157	6.27E-08	0.506352	8.88E-32
6.55E-19	0.194256	2.37E-05	0.157808	0.00062	0.054736	0.23777	0.455495	2.67E-25
2.43E-51	0.513116	1.00E-32	0.500113	6.35E-31	0.476155	8.41E-28	0.849291	#####
7.10E-18	0.363506	4.91E-16	0.457796	1.43E-25	0.42779	3.34E-22	0.770033	8.39E-93
8.73E-53	0.505766	1.07E-31	0.45437	3.61E-25	0.388516	2.83E-18	0.853467	#####
4.14E-24	0.300483	3.36E-11	0.284269	3.95E-10	0.169396	0.00024	0.52432	2.44E-34
1.22E-25	0.129476	0.00507	0.222765	1.16E-06	0.102687	0.02649	0.591396	2.17E-45
5.50E-44	0.444829	4.49E-24	0.40299	1.16E-19	0.332038	1.76E-13	0.70803	2.91E-72
5.96E-10	0.519019	1.44E-33	0.48191	1.57E-28	0.451868	7.05E-25	0.754874	3.23E-87
6.68E-47	0.618362	1.32E-50	0.464846	2.07E-26	0.354905	2.62E-15	0.796283	#####
6.76E-41	0.6547	1.71E-58	0.490921	1.07E-29	0.499494	7.70E-31	0.832159	#####
3.52E-09	0.490854	1.09E-29	0.391659	1.43E-18	0.366807	2.55E-16	0.570178	1.28E-41
2.71E-40	0.401161	1.75E-19	0.359671	1.04E-15	0.303671	2.03E-11	0.674627	2.68E-63
3.11E-18	0.304607	1.75E-11	0.14728	0.00141	0.12044	0.00918	0.595636	3.53E-46
7.47E-46	0.484243	7.91E-29	0.488985	1.92E-29	0.396024	5.50E-19	0.767707	6.44E-92
2.18E-25	0.367998	2.01E-16	0.428932	2.52E-22	0.30377	2.00E-11	0.76352	2.37E-90
7.76E-29	0.325832	5.18E-13	0.425774	5.47E-22	0.298713	4.43E-11	0.726501	8.70E-78
4.19E-19	0.251683	3.52E-08	0.314018	3.81E-12	0.188128	4.29E-05	0.703345	6.26E-71
2.24E-35	0.430466	1.73E-22	0.391131	1.61E-18	0.270864	2.69E-09	0.626009	3.52E-52
1.17E-37	0.322482	9.20E-13	0.300318	3.45E-11	0.237803	1.99E-07	0.754574	4.13E-87
2.46E-16	0.362038	6.56E-16	0.36112	7.86E-16	0.283415	4.47E-10	0.469405	5.77E-27
1.58E-14	0.667222	1.81E-61	0.501177	4.55E-31	0.533062	1.21E-35	0.707196	5.04E-72
1.64E-54	0.465343	1.80E-26	0.453841	4.16E-25	0.327775	3.70E-13	0.793004	#####
1.02E-28	0.115063	0.01284	0.202168	1.07E-05	0.085423	0.06512	0.684624	7.43E-66
2.88E-25	0.17629	0.00013	0.216531	2.33E-06	0.124661	0.00699	0.516687	3.12E-33
2.26E-06	0.21403	3.06E-06	0.166491	0.0003	0.154379	0.00082	0.492863	5.94E-30
7.08E-16	0.41026	2.19E-20	0.377857	2.69E-17	0.28368	4.30E-10	0.620368	5.14E-51
6.08E-17	0.217143	2.17E-06	0.186029	5.24E-05	0.083917	0.07002	0.589932	4.03E-45
1.89E-10	0.444814	4.51E-24	0.450631	9.80E-25	0.421561	1.52E-21	0.646449	1.31E-56

1.11E-23	0.348018	9.64E-15	0.382789	9.58E-18	0.256378	1.91E-08	0.622781	1.64E-51
0.02651	0.397855	3.66E-19	0.295377	7.42E-11	0.292152	1.21E-10	0.489547	1.62E-29
1.72E-16	0.222222	1.23E-06	0.148658	0.00127	0.109891	0.01752	0.531592	2.02E-35
9.21E-27	0.218843	1.80E-06	0.129997	0.0049	0.090348	0.05103	0.607999	1.52E-48
5.85E-12	0.371897	9.15E-17	0.294718	8.21E-11	0.200836	1.22E-05	0.492593	6.45E-30
1.18E-20	0.577487	6.91E-43	0.442525	8.16E-24	0.458235	1.27E-25	0.763835	1.81E-90
3.85E-17	0.495234	2.88E-30	0.458473	1.19E-25	0.414246	8.65E-21	0.820332	#####
5.88E-06	0.601466	2.79E-47	0.48368	9.35E-29	0.498034	1.21E-30	0.647592	7.26E-57
3.18E-52	0.506336	8.92E-32	0.445171	4.11E-24	0.432344	1.08E-22	0.830454	#####
3.36E-38	0.361066	7.94E-16	0.274702	1.57E-09	0.20281	1.00E-05	0.673006	6.80E-63
0.0006	0.162919	0.00041	0.184694	5.94E-05	0.226406	7.66E-07	0.541274	6.69E-37
2.34E-50	0.576836	8.99E-43	0.497722	1.33E-30	0.441143	1.17E-23	0.892828	#####
1.96E-52	0.402154	1.40E-19	0.358517	1.30E-15	0.299407	3.97E-11	0.64518	2.53E-56
1.41E-38	0.479114	3.57E-28	0.424812	6.92E-22	0.381011	1.39E-17	0.759387	7.77E-89
3.24E-19	0.457837	1.42E-25	0.460512	6.83E-26	0.396912	4.52E-19	0.815231	#####
7.05E-61	0.714816	3.06E-74	0.587466	1.14E-44	0.595398	3.91E-46	0.803923	#####
4.47E-26	0.688225	8.41E-67	0.549134	3.87E-38	0.516402	3.42E-33	0.807957	#####
8.39E-21	0.435992	4.33E-23	0.352873	3.86E-15	0.292162	1.21E-10	0.708386	2.30E-72
1.60E-18	0.457117	1.72E-25	0.371277	1.04E-16	0.363402	5.02E-16	0.604908	6.08E-48
1.66E-33	0.555679	3.40E-39	0.474133	1.50E-27	0.508917	3.91E-32	0.822815	#####
6.08E-35	0.527561	8.10E-35	0.553867	6.71E-39	0.512305	1.31E-32	0.829132	#####
1.52E-41	0.545438	1.49E-37	0.451606	7.56E-25	0.340131	4.12E-14	0.810003	#####
9.85E-31	0.374523	5.35E-17	0.29638	6.36E-11	0.237041	2.19E-07	0.685851	3.55E-66
8.76E-61	0.486646	3.87E-29	0.479076	3.61E-28	0.425275	6.18E-22	0.863582	#####
0.00032	0.12332	0.00763	0.101818	0.0278	0.089153	0.05419	0.472683	2.28E-27
3.43E-16	0.108628	0.01887	0.11886	0.01015	0.002279	0.96082	0.509596	3.14E-32
1.24E-74	0.319397	1.55E-12	0.32123	1.14E-12	0.201861	1.10E-05	0.698954	1.05E-69
5.73E-14	0.364766	3.83E-16	0.388031	3.14E-18	0.29681	5.95E-11	0.738555	1.21E-81
1.50E-44	0.529931	3.59E-35	0.454099	3.88E-25	0.388661	2.74E-18	0.861037	#####
0.23711	0.260322	1.13E-08	0.241414	1.28E-07	0.284769	3.67E-10	0.526852	1.03E-34
1.15E-34	0.549167	3.82E-38	0.456533	2.02E-25	0.449116	1.46E-24	0.826376	#####
3.97E-35	0.624919	5.93E-52	0.5613	4.04E-40	0.528085	6.77E-35	0.81113	#####
3.50E-40	0.615012	6.24E-50	0.568368	2.61E-41	0.509091	3.70E-32	0.838668	#####
5.75E-23	0.19173	3.03E-05	0.278407	9.26E-10	0.178639	0.0001	0.745183	7.43E-84
2.61E-64	0.475231	1.10E-27	0.474277	1.44E-27	0.424612	7.26E-22	0.798581	#####
9.56E-09	0.323264	8.06E-13	0.28113	6.24E-10	0.368166	1.94E-16	0.664712	7.33E-61
8.51E-14	0.382012	1.13E-17	0.415494	6.45E-21	0.441576	1.04E-23	0.754963	3.01E-87
9.12E-14	0.442903	7.40E-24	0.220687	1.47E-06	0.155274	0.00076	0.38619	4.65E-18
7.42E-46	0.513445	9.02E-33	0.580144	2.35E-43	0.548265	5.33E-38	0.858256	#####
2.15E-09	0.183384	6.71E-05	0.115165	0.01276	0.110637	0.01676	0.571557	7.43E-42
5.21E-35	0.250283	4.21E-08	0.234585	2.94E-07	0.116381	0.01184	0.664057	1.05E-60
0.00233	0.189618	3.72E-05	0.228868	5.76E-07	0.177998	0.00011	0.528933	5.06E-35
8.10E-63	0.510541	2.32E-32	0.400556	2.00E-19	0.323389	7.88E-13	0.805026	#####
1.41E-47	0.613196	1.44E-49	0.452533	5.91E-25	0.431728	1.26E-22	0.791188	#####
9.95E-51	0.518615	1.65E-33	0.479504	3.19E-28	0.451666	7.44E-25	0.892433	#####

1.30E-26	0.353117	3.68E-15	0.348443	8.90E-15	0.21769	2.05E-06	0.637393	1.32E-54
1.62E-42	0.590861	2.72E-45	0.416438	5.16E-21	0.41263	1.26E-20	0.807277	#####
2.94E-10	0.297214	5.59E-11	0.318069	1.94E-12	0.197955	1.64E-05	0.667022	2.02E-61
2.69E-30	0.682809	2.20E-65	0.513329	9.37E-33	0.556391	2.60E-39	0.781745	2.02E-97
2.04E-71	0.545716	1.35E-37	0.520398	9.10E-34	0.433325	8.46E-23	0.896412	#####
1.53E-54	0.68614	2.98E-66	0.587133	1.31E-44	0.507692	5.79E-32	0.915698	#####
7.13E-18	0.571521	7.54E-42	0.456393	2.09E-25	0.478858	3.85E-28	0.708079	2.81E-72
6.83E-35	0.540594	8.53E-37	0.503115	2.48E-31	0.48118	1.95E-28	0.821102	#####
8.33E-13	0.272444	2.16E-09	0.460824	6.27E-26	0.331975	1.78E-13	0.667819	1.29E-61
6.16E-25	0.682292	3.00E-65	0.576148	1.19E-42	0.587008	1.38E-44	0.746131	3.54E-84
0.00461	-0.13368	0.0038	-0.10787	0.01972	-0.24714	6.28E-08	0.01505	0.74564
0.34656	-0.10979	0.01762	-0.16033	0.00051	-0.24716	6.27E-08	-0.03332	0.47256
0.00079	-0.04067	0.38055	-0.13463	0.00356	-0.18839	4.19E-05	0.062454	0.17787
0.35323	-0.1274	0.00583	-0.22125	1.38E-06	-0.31799	1.96E-12	-0.03783	0.41472
0.0249	-0.35645	1.95E-15	-0.13235	0.00417	-0.24512	8.10E-08	-0.08829	0.05657
1.18E-08	-0.19827	1.59E-05	-0.17989	9.27E-05	-0.37752	2.89E-17	0.05214	0.2608
0.3161	-0.0597	0.1978	-0.07059	0.1277	-0.01375	0.76703	0.091378	0.04843
0.00111	-0.11636	0.01185	-0.12853	0.00541	-0.21919	1.73E-06	0.118957	0.01008
0.12411	-0.07423	0.10915	-0.03753	0.41844	-0.02673	0.56442	0.018085	0.69668
0.99718	-0.2012	1.18E-05	-0.1884	4.18E-05	-0.30241	2.48E-11	-0.06377	0.16892
0.07368	-0.29293	1.08E-10	-0.07399	0.11028	-0.21696	2.22E-06	-0.02519	0.58712
0.00231	-0.16305	0.0004	-0.24183	1.22E-07	-0.28065	6.69E-10	-0.18491	5.82E-05
0.01648	0.0367	0.4288	-0.13104	0.00456	-0.26611	5.19E-09	0.013187	0.77624
8.15E-17	0.202625	1.02E-05	0.040267	0.38529	-0.0053	0.90914	0.274363	1.65E-09
0.18761	-0.36085	8.29E-16	-0.20753	6.13E-06	-0.27969	7.70E-10	-0.07351	0.11262
6.46E-06	-0.09259	0.04553	0.038919	0.4014	-0.02318	0.61728	0.159037	0.00056
0.0038	-0.13944	0.00253	-0.07383	0.11107	-0.21271	3.53E-06	0.057405	0.21563
1.12E-09	-0.15639	0.0007	-0.15401	0.00084	-0.2684	3.79E-09	0.195376	2.12E-05
5.48E-18	0.036517	0.43111	0.051447	0.2672	-0.08131	0.0792	0.227664	6.62E-07
2.38E-06	0.057011	0.2188	0.130545	0.00472	0.0481	0.29961	0.100316	0.0302
0.13053	-0.0275	0.55334	0.097346	0.03546	0.063255	0.17236	0.178779	0.0001
0.00035	0.149391	0.0012	0.042293	0.36181	0.051751	0.26438	0.25403	2.60E-08
3.19E-12	0.141267	0.00221	0.12139	0.00864	0.011105	0.81083	0.290302	1.61E-10
0.00052	-0.2206	1.48E-06	-0.26103	1.03E-08	-0.26695	4.63E-09	-0.20689	6.55E-06
0.9557	-0.18888	3.99E-05	-0.18796	4.36E-05	-0.21114	4.17E-06	0.002275	0.96089
0.1718	-0.18318	6.85E-05	-0.21409	3.04E-06	-0.27963	7.76E-10	0.032117	0.48871
3.36E-12	-0.13389	0.00375	-0.09378	0.04281	-0.21715	2.17E-06	0.023192	0.61714
0.45053	0.061964	0.1813	-0.07641	0.09911	-0.14397	0.00181	-0.03289	0.47828
2.66E-15	-0.09194	0.04706	-0.02605	0.57437	-0.14996	0.00115	0.216276	2.39E-06
0.23035	-0.24223	1.16E-07	-0.24428	9.00E-08	-0.36307	5.36E-16	-0.1045	0.02392
0.00043	-0.03692	0.42599	0.008742	0.85054	-0.04408	0.34184	0.194006	2.43E-05
0.95435	-0.05712	0.21792	-0.19412	2.40E-05	-0.17401	0.00016	0.139761	0.00247
0.00296	0.004611	0.92084	-0.13522	0.00341	-0.14993	0.00115	0.127505	0.00579
0.27806	-0.12739	0.00584	-0.18935	3.82E-05	-0.2392	1.68E-07	-0.09344	0.04357
8.39E-07	0.077173	0.09577	-0.09766	0.03488	-0.10865	0.01884	0.120077	0.0094



0.69912	-0.08852	0.05593	-0.10758	0.02006	-0.19819	1.60E-05	-0.01689	0.71587
0.00034	-0.13372	0.00379	-0.05792	0.2115	-0.20711	6.40E-06	0.04132	0.37297
0.00016	-0.08539	0.06523	-0.1338	0.00377	-0.13761	0.00288	-0.21404	3.05E-06
0.06563	-0.13161	0.00439	-0.24585	7.39E-08	-0.28076	6.59E-10	-0.12714	0.00594
0.09046	0.068193	0.14117	-0.07674	0.09763	-0.08424	0.06893	0.096405	0.03729
2.16E-05	0.158133	0.0006	0.067553	0.14495	0.01593	0.73134	0.246533	6.78E-08
0.01506	-0.00057	0.9902	-0.04648	0.31625	-0.14195	0.00211	0.034219	0.46068
0.09745	-0.14355	0.00187	-0.16822	0.00026	-0.21831	1.91E-06	-0.05668	0.22148
6.37E-12	0.073444	0.11296	-0.02762	0.55154	-0.09901	0.03242	0.341	3.52E-14
2.90E-16	0.022788	0.62329	-0.04693	0.31154	-0.07845	0.0904	0.218687	1.83E-06
0.00106	-0.35705	1.73E-15	-0.1312	0.00451	-0.29971	3.79E-11	0.000538	0.99074
0.00044	-0.10133	0.02855	-0.10049	0.0299	-0.15696	0.00066	-0.07737	0.0949
0.00215	-0.15888	0.00057	-0.20533	7.71E-06	-0.25331	2.85E-08	-0.08417	0.06919
1.39E-06	-0.20326	9.56E-06	-0.19271	2.76E-05	-0.31324	4.32E-12	0.060285	0.19345
0.00319	-0.18782	4.42E-05	-0.21836	1.90E-06	-0.22642	7.65E-07	-0.07595	0.10117
0.55817	-0.0506	0.27519	-0.02695	0.56124	-0.10468	0.02368	-0.02985	0.51994
0.95943	-0.11706	0.01136	-0.091	0.04938	-0.14715	0.00143	-0.12951	0.00506
0.04192	-0.24416	9.12E-08	-0.18594	5.28E-05	-0.2546	2.41E-08	0.024658	0.59506
5.46E-17	0.216778	2.26E-06	0.180828	8.51E-05	0.014079	0.76154	0.356863	1.80E-15
0.16012	-0.03726	0.42184	-0.08428	0.06882	-0.19549	2.10E-05	0.143518	0.00188
1.18E-18	0.231116	4.43E-07	0.067686	0.14416	-0.04439	0.33845	0.305719	1.47E-11
3.16E-17	-0.00483	0.91714	0.011327	0.80713	-0.1372	0.00297	0.197662	1.69E-05
4.44E-18	0.12008	0.00939	0.144641	0.00173	0.00673	0.88467	0.415937	5.81E-21
0.01206	-0.19652	1.89E-05	-0.16048	0.0005	-0.08275	0.074	-0.158	0.00061
0.01664	-0.31985	1.44E-12	-0.13647	0.00313	-0.16553	0.00033	-0.09396	0.04241
0.06322	-0.1138	0.01387	-0.09741	0.03534	-0.2238	1.03E-06	0.033053	0.47611
0.14763	-0.06729	0.14654	-0.01116	0.80986	-0.06741	0.14584	0.028137	0.54416
1.71E-15	0.184384	6.12E-05	0.110434	0.01697	0.095374	0.03938	0.20875	5.38E-06
0.00033	-0.31405	3.78E-12	-0.36492	3.71E-16	-0.37056	1.20E-16	-0.33375	1.30E-13
0.0036	-0.29376	9.51E-11	-0.25885	1.38E-08	-0.22211	1.25E-06	-0.26171	9.43E-09
0.00624	-0.29837	4.67E-11	-0.29986	3.70E-11	-0.31678	2.41E-12	-0.26882	3.58E-09
0.39701	-0.14858	0.00128	-0.12619	0.00632	-0.11708	0.01134	0.009657	0.83513
0.01059	-0.22364	1.05E-06	-0.28375	4.26E-10	-0.34391	2.06E-14	-0.15773	0.00062
0.00542	-0.15411	0.00083	-0.20886	5.32E-06	-0.29174	1.29E-10	0.063862	0.16827
0.73625	-0.21638	2.36E-06	-0.16676	0.0003	-0.1687	0.00025	-0.07118	0.12451
1.27E-10	-0.06619	0.15324	-0.03895	0.40103	-0.16212	0.00044	0.196742	1.85E-05
0.12755	-0.18232	7.41E-05	-0.28342	4.47E-10	-0.31136	5.89E-12	-0.10744	0.02022
0.67802	-0.11322	0.01436	-0.17827	0.00011	-0.19924	1.44E-05	-0.09762	0.03496
0.00023	-0.14618	0.00154	-0.24617	7.10E-08	-0.31918	1.61E-12	-0.03973	0.39162
8.10E-05	-0.34292	2.48E-14	-0.25436	2.49E-08	-0.20198	1.09E-05	-0.15115	0.00105
0.04713	0.097987	0.03427	0.032103	0.4889	0.029215	0.52883	0.210566	4.44E-06
2.97E-05	0.198951	1.48E-05	0.113255	0.01433	0.120811	0.00897	0.221866	1.28E-06
5.51E-22	0.242812	1.08E-07	0.124197	0.00721	0.06847	0.13956	0.406894	4.76E-20
3.53E-09	-0.05673	0.22108	-0.08429	0.06876	-0.1846	5.99E-05	0.138801	0.00265
4.46E-34	0.145555	0.00161	0.141793	0.00213	-0.01846	0.6907	0.347417	1.08E-14

9.39E-17	0.113577	0.01406	0.08988	0.05225	-0.05479	0.2373	0.21975	1.63E-06
0.28867	-0.20733	6.26E-06	-0.19539	2.12E-05	-0.19878	1.51E-05	-0.18525	5.64E-05
4.95E-31	0.304617	1.75E-11	0.214452	2.92E-06	0.152555	0.00094	0.398103	3.47E-19
0.6756	-0.17849	0.00011	-0.29057	1.54E-10	-0.30299	2.26E-11	0.027832	0.54853
0.14523	-0.03333	0.47242	-0.11949	0.00975	-0.039	0.40037	-0.00843	0.85588
0.42496	-0.19209	2.93E-05	-0.05797	0.21113	-0.1145	0.01329	-0.12166	0.0085
4.12E-14	0.03992	0.3894	0.088163	0.05693	0.023603	0.61092	0.272606	2.11E-09
0.00961	-0.09693	0.03627	-0.04576	0.32373	-0.19676	1.85E-05	-0.06059	0.1912
0.96804	-0.2348	2.86E-07	-0.33061	2.26E-13	-0.32007	1.39E-12	-0.11958	0.0097
7.83E-31	0.060557	0.19144	0.116663	0.01164	-0.0582	0.20936	0.231112	4.43E-07
0.56845	-0.23419	3.08E-07	-0.24142	1.28E-07	-0.36324	5.18E-16	-0.11529	0.01266
0.06673	-0.09116	0.04898	0.016859	0.71633	-0.00916	0.8435	0.068336	0.14034
0.07155	-0.19964	1.38E-05	-0.06661	0.15067	-0.16981	0.00023	-0.07818	0.09148
0.00082	-0.06375	0.169	-0.09649	0.03711	-0.18049	8.78E-05	0.180255	8.96E-05
3.61E-13	0.02733	0.55577	-0.01628	0.72566	-0.18749	4.56E-05	0.184332	6.15E-05
3.39E-08	-0.02561	0.58089	-0.01154	0.80359	-0.10787	0.01972	0.114362	0.0134
0.76909	-0.22787	6.47E-07	-0.1664	0.0003	-0.3152	3.13E-12	-0.13137	0.00446
0.31331	-0.09464	0.04092	-0.20936	5.05E-06	-0.18862	4.09E-05	-0.02255	0.62693
0.56785	-0.17827	0.00011	-0.20341	9.41E-06	-0.27463	1.59E-09	-0.03011	0.51628
0.84484	-0.0639	0.16804	-0.08363	0.07097	-0.17273	0.00018	0.115252	0.01269
2.77E-30	0.077456	0.09455	0.00435	0.9253	-0.13214	0.00423	0.214229	2.99E-06
0.03424	-0.14501	0.00168	0.08513	0.06605	-0.02656	0.567	0.175959	0.00013
0.00508	-0.07828	0.09108	-0.12167	0.00849	-0.19062	3.38E-05	0.224426	9.61E-07
0.03567	-0.12005	0.00941	-0.16173	0.00045	-0.26587	5.36E-09	0.099123	0.03223
8.85E-05	-0.13993	0.00244	0.007787	0.86672	-0.07315	0.11439	0.186242	5.13E-05
5.30E-05	-0.01263	0.78549	-0.0083	0.85796	-0.12403	0.00729	0.063124	0.17325
0.02712	0.000281	0.99516	-0.10165	0.02806	-0.21021	4.61E-06	-0.09135	0.04851
0.0026	-0.02416	0.60258	0.047773	0.30291	-0.00556	0.90455	0.078042	0.09207
0.00274	-0.08428	0.06882	-0.08068	0.08156	-0.14684	0.00146	0.026355	0.56996
8.52E-22	-0.04395	0.34329	0.050262	0.27838	-0.1723	0.00018	0.267062	4.56E-09
0.00834	-0.22927	5.50E-07	-0.191	3.26E-05	-0.26182	9.29E-09	0.051034	0.27106
1.12E-09	-0.08345	0.0716	-0.02618	0.57258	-0.07354	0.11249	0.24247	1.13E-07
0.88953	-0.06565	0.15663	-0.14227	0.00206	-0.18562	5.45E-05	-0.10895	0.01852
0.00186	-0.02931	0.52746	-0.05694	0.21938	-0.09926	0.03199	0.089893	0.05222
2.00E-16	-0.10313	0.02583	-0.08183	0.07729	-0.22703	7.13E-07	0.178554	0.0001
0.0347	-0.0569	0.21974	-0.11222	0.01525	-0.11395	0.01374	0.169429	0.00023
0.3352	-0.19493	2.22E-05	-0.23554	2.62E-07	-0.28597	3.07E-10	-0.10779	0.01981
0.70292	-0.20505	7.94E-06	-0.18636	5.08E-05	-0.2949	7.98E-11	-0.04534	0.32827
0.15947	0.019937	0.6674	-0.04896	0.29109	-0.07212	0.1196	-0.04437	0.33866
0.04537	-0.29684	5.92E-11	-0.23585	2.52E-07	-0.33364	1.32E-13	-0.03341	0.47142
0.93417	-0.15737	0.00064	-0.14059	0.00233	-0.10468	0.02368	-0.03961	0.3931
0.74861	-0.26326	7.65E-09	-0.22267	1.17E-06	-0.31234	5.01E-12	-0.08005	0.08396
0.00712	-0.3601	9.59E-16	-0.36074	8.47E-16	-0.47886	3.84E-28	-0.28498	3.55E-10
0.02419	-0.06366	0.16962	-0.18025	8.97E-05	-0.12096	0.00888	-0.10949	0.01794
0.22859	-0.42729	3.78E-22	-0.35276	3.95E-15	-0.4121	1.43E-20	-0.26104	1.03E-08

0.01529	-0.198	1.63E-05	-0.24703	6.37E-08	-0.40406	9.09E-20	-0.18413	6.26E-05
7.77E-05	-0.02822	0.54295	-0.09752	0.03513	-0.17148	0.0002	0.108188	0.01936
0.1329	-0.35632	1.99E-15	-0.30807	1.01E-11	-0.41463	7.91E-21	0.057056	0.21844
3.29E-05	-0.21425	2.98E-06	-0.21206	3.78E-06	-0.37411	5.83E-17	-0.043	0.35387
0.00011	-0.05095	0.27185	-0.06407	0.16689	-0.17438	0.00015	0.033828	0.46584
0.26026	-0.30431	1.84E-11	-0.16035	0.0005	-0.28413	4.03E-10	0.009905	0.83095
0.62188	-0.19289	2.71E-05	-0.21255	3.59E-06	-0.27798	9.83E-10	-0.1016	0.02814
0.01541	0.027055	0.55976	-0.09361	0.04318	-0.15826	0.0006	-0.01781	0.70106
0.00135	0.008552	0.85377	-0.12963	0.00502	-0.22024	1.54E-06	0.001816	0.96878
3.83E-13	0.157518	0.00063	0.148822	0.00126	0.078231	0.09129	0.227635	6.65E-07
1.45E-05	-0.05502	0.23535	-0.01071	0.8175	-0.18227	7.44E-05	0.134462	0.0036
0.07926	-0.27726	1.09E-09	-0.32211	9.81E-13	-0.34831	9.12E-15	0.002542	0.9563
0.28317	-0.06801	0.14223	-0.12862	0.00538	-0.21692	2.23E-06	0.060812	0.18957
3.39E-14	0.116357	0.01186	-0.01958	0.67304	-0.13592	0.00325	0.178444	0.00011
0.21542	-0.29311	1.05E-10	-0.32258	9.05E-13	-0.37555	4.34E-17	-0.21138	4.07E-06
0.00014	0.103635	0.02512	0.008379	0.85669	0.01342	0.7724	0.165579	0.00033
0.66984	-0.08417	0.06916	-0.14134	0.0022	-0.16236	0.00043	-0.04704	0.31043
2.74E-05	0.024722	0.59411	-0.04375	0.34553	-0.06189	0.18186	0.092602	0.04549
0.00122	-0.27779	1.01E-09	-0.13572	0.0033	-0.18844	4.17E-05	-0.15571	0.00073
0.05132	-0.21068	4.38E-06	-0.06163	0.18367	-0.14347	0.00188	0.0098	0.83273
6.40E-06	-0.01483	0.74926	-0.00764	0.86918	-0.15419	0.00083	0.404142	8.92E-20
6.94E-09	0.597261	1.75E-46	0.714114	4.93E-74	0.653657	2.99E-58	0.347141	1.14E-14
1.34E-21	0.526395	1.21E-34	0.802535	#####	0.657963	2.96E-59	0.486716	3.79E-29
9.03E-12	0.426657	4.41E-22	0.841403	#####	0.581592	1.30E-43	0.412727	1.24E-20
1.21E-20	0.485016	6.29E-29	0.750649	9.87E-86	0.566707	5.00E-41	0.534258	8.00E-36
1.04E-12	0.601134	3.23E-47	0.830213	#####	0.689334	4.27E-67	0.457171	1.70E-25
7.78E-19	0.65699	5.01E-59	0.789724	#####	0.701024	2.80E-70	0.494772	3.31E-30
8.41E-07	0.575349	1.64E-42	0.685513	4.35E-66	0.494324	3.80E-30	0.285791	3.15E-10
6.09E-11	0.51591	4.03E-33	0.724585	3.41E-77	0.564721	1.08E-40	0.418766	2.97E-21
1.30E-06	0.424933	6.72E-22	0.628256	1.19E-52	0.527408	8.53E-35	0.335922	8.81E-14
1.81E-20	0.611119	3.71E-49	0.863634	#####	0.70221	1.30E-70	0.472896	2.14E-27
1.63E-20	0.632344	1.62E-53	0.746028	3.84E-84	0.573642	3.24E-42	0.337642	6.47E-14
2.10E-18	0.540724	8.15E-37	0.829364	#####	0.662615	2.34E-60	0.477138	6.33E-28
9.59E-20	0.559074	9.44E-40	0.820182	#####	0.667886	1.24E-61	0.412787	1.22E-20
5.87E-23	0.525791	1.48E-34	0.814139	#####	0.672927	7.12E-63	0.552742	1.02E-38
1.01E-13	0.630515	3.97E-53	0.760621	2.76E-89	0.693879	2.58E-68	0.460982	6.01E-26
0.01906	0.422814	1.12E-21	0.701449	2.13E-70	0.526106	1.33E-34	0.232793	3.63E-07
5.91E-19	0.547076	8.23E-38	0.752239	2.75E-86	0.642976	7.85E-56	0.478806	3.90E-28
0.00383	0.413456	1.04E-20	0.649255	3.05E-57	0.52856	5.75E-35	0.257498	1.65E-08
3.78E-10	0.45274	5.59E-25	0.795773	#####	0.568454	2.53E-41	0.424453	7.55E-22
2.84E-09	0.263927	6.99E-09	0.739958	4.18E-82	0.468784	6.87E-27	0.297358	5.47E-11
1.14E-24	0.561451	3.81E-40	0.787931	#####	0.63648	2.09E-54	0.582465	9.06E-44
7.85E-11	0.559464	8.14E-40	0.734274	3.00E-80	0.604742	6.55E-48	0.404326	8.56E-20
8.44E-18	0.459297	9.52E-26	0.622614	1.78E-51	0.43053	1.70E-22	0.405357	6.77E-20
0.00083	0.273038	1.99E-09	0.757529	3.64E-88	0.519041	1.43E-33	0.287211	2.55E-10

0.00055	0.593939	7.32E-46	0.727716	3.63E-78	0.525479	1.65E-34	0.281799	5.66E-10
3.22E-18	0.489468	1.66E-29	0.829805	#####	0.645247	2.45E-56	0.537021	3.03E-36
2.19E-15	0.511731	1.58E-32	0.764743	8.34E-91	0.572522	5.06E-42	0.419122	2.73E-21
4.43E-09	0.613233	1.41E-49	0.656468	6.64E-59	0.605846	4.00E-48	0.344989	1.69E-14
6.09E-07	0.474254	1.45E-27	0.65164	8.70E-58	0.496567	1.91E-30	0.348868	8.22E-15
0.00073	0.446046	3.27E-24	0.508028	5.20E-32	0.330262	2.40E-13	0.178284	0.00011
1.13E-18	0.642902	8.15E-56	0.872573	#####	0.701018	2.81E-70	0.487968	2.61E-29
4.93E-07	0.461617	5.05E-26	0.781585	2.34E-97	0.534048	8.61E-36	0.33639	8.10E-14
4.60E-16	0.533752	9.55E-36	0.7997	#####	0.620626	4.55E-51	0.516704	3.10E-33
1.28E-13	0.497133	1.60E-30	0.743844	2.11E-83	0.619162	9.05E-51	0.408416	3.36E-20
1.31E-06	0.611133	3.69E-49	0.741538	1.25E-82	0.593351	9.42E-46	0.309115	8.49E-12
7.83E-13	0.540787	7.97E-37	0.728345	2.31E-78	0.552391	1.16E-38	0.426864	4.19E-22
7.95E-09	0.425383	6.02E-22	0.696528	4.89E-69	0.552179	1.26E-38	0.399841	2.35E-19
2.85E-26	0.639012	5.87E-55	0.840744	#####	0.715756	1.61E-74	0.589289	5.28E-45
6.09E-22	0.611204	3.57E-49	0.808431	#####	0.684382	8.59E-66	0.502344	3.16E-31
4.64E-17	0.464222	2.46E-26	0.768074	4.67E-92	0.550522	2.32E-38	0.427368	3.71E-22
1.88E-11	0.38654	4.32E-18	0.642547	9.77E-56	0.489706	1.55E-29	0.368646	1.77E-16
0.00013	0.413512	1.03E-20	0.639819	3.91E-55	0.539816	1.13E-36	0.279774	7.60E-10
4.84E-11	0.349492	7.31E-15	0.701899	1.59E-70	0.446096	3.23E-24	0.401691	1.55E-19
0.00037	0.403356	1.07E-19	0.696147	6.22E-69	0.473778	1.67E-27	0.259592	1.25E-08
9.14E-38	0.587045	1.35E-44	0.806479	#####	0.572041	6.13E-42	0.602651	1.65E-47
0.32076	0.433084	8.99E-23	0.418999	2.81E-21	0.331292	2.00E-13	0.06433	0.16517
2.59E-06	0.367082	2.42E-16	0.637773	1.09E-54	0.421187	1.66E-21	0.357739	1.52E-15
4.66E-13	0.325111	5.87E-13	0.574176	2.62E-42	0.383486	8.27E-18	0.346715	1.23E-14
0.91413	0.326927	4.29E-13	0.528854	5.20E-35	0.410224	2.21E-20	0.017339	0.7086
7.58E-32	0.372843	7.55E-17	0.269385	3.31E-09	0.217475	2.10E-06	0.31715	2.26E-12
8.53E-32	0.159328	0.00055	0.184218	6.21E-05	0.007509	0.87144	0.351087	5.41E-15
3.07E-38	0.27412	1.71E-09	0.337451	6.69E-14	0.174142	0.00016	0.35632	1.99E-15
4.52E-67	0.30939	8.11E-12	0.291709	1.30E-10	0.157843	0.00062	0.327135	4.14E-13
1.94E-72	0.546607	9.76E-38	0.458279	1.26E-25	0.334277	1.18E-13	0.487528	2.98E-29
5.13E-41	0.144131	0.00179	0.181307	8.14E-05	0.092491	0.04575	0.315261	3.10E-12
7.22E-97	0.428294	2.95E-22	0.410304	2.17E-20	0.248749	5.12E-08	0.583731	5.37E-44
1.59E-58	0.238643	1.80E-07	0.190714	3.35E-05	0.003328	0.94282	0.351405	5.10E-15
#####	0.539745	1.15E-36	0.447845	2.04E-24	0.293213	1.03E-10	0.60832	1.32E-48
2.62E-24	0.19678	1.84E-05	0.232273	3.86E-07	0.094054	0.0422	0.208794	5.36E-06
1.24E-95	0.356575	1.90E-15	0.356138	2.07E-15	0.262347	8.65E-09	0.486563	3.97E-29
1.22E-67	0.160858	0.00048	0.228577	5.96E-07	0.026228	0.57182	0.346991	1.17E-14
1.23E-29	0.285534	3.27E-10	0.262949	7.98E-09	0.192247	2.88E-05	0.274967	1.51E-09
3.05E-39	0.23655	2.32E-07	0.260697	1.08E-08	0.107109	0.02061	0.359663	1.04E-15
7.01E-57	0.150883	0.00107	0.203085	9.73E-06	0.046839	0.31248	0.348193	9.33E-15
4.75E-25	0.239712	1.58E-07	0.201813	1.11E-05	0.116599	0.01168	0.367667	2.15E-16
2.13E-22	0.079346	0.08675	-0.05328	0.25047	-0.0415	0.37084	0.275161	1.47E-09
3.21E-48	0.378351	2.43E-17	0.293191	1.04E-10	0.214182	3.01E-06	0.334831	1.07E-13
6.40E-58	0.312352	5.01E-12	0.300446	3.38E-11	0.198236	1.59E-05	0.415771	6.04E-21
2.96E-44	-0.31849	1.81E-12	-0.13748	0.00291	-0.05115	0.26996	-0.37981	1.79E-17

2.90E-24	0.188389	4.19E-05	0.222637	1.18E-06	0.061368	0.18555	0.234016	3.14E-07
4.71E-26	0.167616	0.00027	0.097696	0.03481	0.058089	0.2102	0.258034	1.54E-08
#####	0.463899	2.69E-26	0.416006	5.72E-21	0.381891	1.16E-17	0.585229	2.89E-44
8.42E-30	0.12353	0.00753	0.173762	0.00016	0.059293	0.20089	0.303729	2.01E-11
2.08E-52	0.179751	9.39E-05	0.317479	2.14E-12	0.129614	0.00503	0.447596	2.18E-24
6.27E-34	0.173456	0.00017	0.240742	1.39E-07	0.146444	0.00151	0.333444	1.37E-13
9.10E-71	0.351316	5.18E-15	0.206248	7.01E-06	0.205128	7.87E-06	0.448182	1.87E-24
4.09E-99	0.360926	8.16E-16	0.260571	1.10E-08	0.172714	0.00018	0.534752	6.73E-36
5.60E-37	0.348538	8.74E-15	0.121059	0.00883	0.076644	0.09807	0.313206	4.35E-12
1.49E-27	0.071117	0.12486	0.077568	0.09407	-0.03991	0.38957	0.371472	9.97E-17
3.05E-43	-0.01863	0.68802	0.014989	0.74664	-0.10221	0.0272	0.28538	3.35E-10
#####	0.389587	2.24E-18	0.407473	4.17E-20	0.220983	1.42E-06	0.594988	4.67E-46
2.50E-95	0.40299	1.16E-19	0.305745	1.46E-11	0.212977	3.43E-06	0.514675	6.04E-33
1.40E-54	0.36755	2.20E-16	0.258586	1.43E-08	0.205811	7.33E-06	0.422297	1.27E-21
6.15E-69	0.551356	1.71E-38	0.47198	2.78E-27	0.347432	1.08E-14	0.520172	9.81E-34
#####	0.561125	4.32E-40	0.551284	1.75E-38	0.431228	1.43E-22	0.663509	1.43E-60
1.72E-56	0.275129	1.48E-09	0.228609	5.93E-07	0.085091	0.06617	0.346371	1.31E-14
8.22E-60	0.191047	3.24E-05	0.173951	0.00016	0.136564	0.00311	0.518298	1.83E-33
2.52E-35	-0.15946	0.00054	-0.14852	0.00129	-0.04846	0.29602	-0.30212	2.60E-11
5.11E-51	0.407857	3.82E-20	0.217706	2.04E-06	0.179032	0.0001	0.333325	1.40E-13
1.96E-29	0.383854	7.65E-18	0.146773	0.00147	0.05261	0.25652	0.280081	7.27E-10
3.71E-32	0.233707	3.26E-07	0.1481	0.00133	0.062455	0.17786	0.263096	7.82E-09
8.90E-47	0.221634	1.32E-06	0.171922	0.00019	0.061866	0.182	0.296447	6.29E-11
2.09E-90	0.489301	1.75E-29	0.369209	1.58E-16	0.249723	4.53E-08	0.500744	5.21E-31
1.31E-71	0.279033	8.46E-10	0.314852	3.32E-12	0.221445	1.35E-06	0.476168	8.38E-28
#####	0.272828	2.05E-09	0.321581	1.07E-12	0.168998	0.00024	0.495594	2.57E-30
1.63E-50	0.40327	1.09E-19	0.230838	4.57E-07	0.176199	0.00013	0.310208	7.11E-12
1.22E-64	0.428582	2.75E-22	0.342188	2.83E-14	0.299807	3.73E-11	0.501251	4.45E-31
5.65E-40	-0.26141	9.81E-09	-0.02446	0.59798	-0.07679	0.09744	-0.20701	6.46E-06
6.64E-26	0.126932	0.00602	0.040152	0.38664	0.078789	0.08899	0.317095	2.28E-12
2.57E-59	0.226955	7.19E-07	0.273964	1.74E-09	0.134741	0.00353	0.391925	1.35E-18
3.91E-72	0.334917	1.05E-13	0.325828	5.19E-13	0.183112	6.89E-05	0.5517	1.50E-38
#####	0.615044	6.15E-50	0.508127	5.04E-32	0.439054	1.99E-23	0.700393	4.20E-70
1.76E-91	0.320481	1.29E-12	0.346895	1.19E-14	0.249121	4.89E-08	0.543673	2.83E-37
2.08E-33	0.167934	0.00027	0.004168	0.92842	-0.05164	0.26536	0.27768	1.03E-09
4.81E-50	0.262939	7.99E-09	0.232031	3.97E-07	0.044093	0.34172	0.367912	2.05E-16
1.26E-51	0.282387	5.20E-10	0.175743	0.00013	0.147753	0.00136	0.404985	7.37E-20
1.72E-67	0.509002	3.80E-32	0.493068	5.58E-30	0.41573	6.10E-21	0.509394	3.35E-32
6.79E-65	0.154324	0.00082	0.138579	0.00269	-0.03961	0.39303	0.356064	2.10E-15
3.26E-41	0.374909	4.94E-17	0.366268	2.84E-16	0.269276	3.36E-09	0.413704	9.83E-21
1.82E-87	0.576335	1.10E-42	0.525398	1.69E-34	0.415077	7.12E-21	0.64724	8.72E-57
2.91E-24	0.122667	0.00796	0.194924	2.22E-05	0.125461	0.00663	0.208331	5.63E-06
3.07E-37	0.320152	1.37E-12	0.224406	9.63E-07	0.192178	2.90E-05	0.488373	2.31E-29
7.06E-98	0.329815	2.60E-13	0.230492	4.76E-07	0.089428	0.05345	0.485109	6.12E-29
8.41E-76	0.30315	2.21E-11	0.216267	2.39E-06	0.200566	1.26E-05	0.543515	2.99E-37

1.13E-54	0.353817	3.22E-15	0.247645	5.89E-08	0.148218	0.00132	0.393556	9.46E-19
1.77E-36	0.129563	0.00504	0.160601	0.00049	-0.00723	0.87618	0.161792	0.00045
8.33E-28	0.201257	1.17E-05	0.149113	0.00123	0.062937	0.17453	0.342801	2.53E-14
4.96E-81	0.447965	1.98E-24	0.355964	2.14E-15	0.230525	4.75E-07	0.477813	5.21E-28
5.25E-85	0.404174	8.86E-20	0.321024	1.18E-12	0.221467	1.34E-06	0.604297	7.98E-48
1.39E-31	0.228531	5.99E-07	0.11827	0.01053	0.066719	0.14999	0.295168	7.66E-11
#####	0.348681	8.51E-15	0.337563	6.56E-14	0.150796	0.00108	0.530366	3.09E-35
1.20E-58	0.28655	2.82E-10	0.221645	1.32E-06	0.056777	0.22071	0.307358	1.13E-11
5.14E-34	0.101885	0.02769	0.176827	0.00012	-0.02541	0.58388	0.389467	2.30E-18
1.88E-30	-0.26744	4.33E-09	-0.15692	0.00067	-0.06252	0.17744	-0.33641	8.07E-14
6.53E-46	0.216282	2.39E-06	0.294159	8.95E-11	0.159272	0.00055	0.309393	8.11E-12
1.71E-29	0.315174	3.14E-12	0.361598	7.15E-16	0.209332	5.06E-06	0.336138	8.47E-14
8.48E-26	-0.17071	0.00021	-0.08856	0.05583	-0.05737	0.21593	-0.35308	3.71E-15
9.70E-23	0.371535	9.85E-17	0.216699	2.28E-06	0.259952	1.19E-08	0.256064	1.99E-08
3.68E-19	0.103759	0.02494	0.096865	0.03639	0.042374	0.36089	0.2366	2.30E-07
3.43E-25	0.23586	2.52E-07	0.20071	1.24E-05	0.123364	0.00761	0.232724	3.66E-07
2.33E-40	0.133214	0.00393	0.17568	0.00014	0.011657	0.80162	0.372516	8.07E-17
1.70E-61	0.27579	1.35E-09	0.251048	3.82E-08	0.115412	0.01257	0.452378	6.16E-25
3.42E-61	0.399957	2.29E-19	0.284981	3.55E-10	0.216664	2.29E-06	0.495652	2.53E-30
1.00E-82	0.504	1.87E-31	0.440608	1.34E-23	0.334676	1.10E-13	0.477609	5.53E-28
6.46E-82	0.522197	4.98E-34	0.437891	2.68E-23	0.394811	7.18E-19	0.557417	1.77E-39
7.57E-47	0.242036	1.19E-07	0.268782	3.60E-09	0.193735	2.49E-05	0.389051	2.52E-18
1.59E-81	0.487798	2.74E-29	0.475247	1.09E-27	0.372529	8.05E-17	0.621881	2.52E-51
1.71E-68	0.473754	1.68E-27	0.447742	2.10E-24	0.39218	1.28E-18	0.535376	5.41E-36
1.10E-36	0.15035	0.00112	0.194791	2.25E-05	0.014651	0.75218	0.29753	5.32E-11
2.04E-56	0.24912	4.89E-08	0.285047	3.52E-10	0.112696	0.01483	0.399486	2.55E-19
6.04E-39	0.19441	2.33E-05	0.208056	5.79E-06	0.092435	0.04588	0.294642	8.31E-11
4.17E-96	0.399465	2.56E-19	0.332355	1.66E-13	0.223815	1.03E-06	0.591635	1.96E-45
3.66E-43	0.189477	3.77E-05	0.121294	0.00869	-0.03675	0.42823	0.320265	1.34E-12
4.38E-42	0.476935	6.72E-28	0.296712	6.04E-11	0.203795	9.04E-06	0.413522	1.03E-20
4.76E-64	0.283669	4.31E-10	0.399762	2.39E-19	0.237053	2.18E-07	0.474083	1.53E-27
7.80E-61	0.394667	7.41E-19	0.289107	1.92E-10	0.106645	0.02117	0.465802	1.58E-26
7.86E-39	0.057728	0.21305	0.191106	3.22E-05	-0.00296	0.94906	0.445064	4.23E-24
7.88E-33	0.116719	0.0116	0.130155	0.00485	-0.05471	0.23796	0.34337	2.28E-14
2.20E-35	0.426609	4.46E-22	0.205333	7.71E-06	0.195021	2.20E-05	0.386739	4.14E-18
8.24E-32	0.359579	1.06E-15	0.222363	1.21E-06	0.172331	0.00018	0.261842	9.26E-09
6.52E-54	0.24313	1.04E-07	0.21785	2.01E-06	0.049011	0.29054	0.375628	4.26E-17
1.24E-21	0.445089	4.20E-24	0.19319	2.63E-05	0.1379	0.00282	0.248891	5.03E-08
2.32E-26	-0.09826	0.03376	-0.10222	0.02718	0.032477	0.48384	-0.2802	7.15E-10
6.21E-69	0.248323	5.41E-08	0.241334	1.30E-07	0.040769	0.37939	0.344829	1.74E-14
1.67E-27	-0.14844	0.00129	-0.14823	0.00132	-0.00811	0.86123	-0.30151	2.86E-11
4.82E-68	0.321768	1.04E-12	0.312329	5.02E-12	0.119128	0.00998	0.382541	1.01E-17
1.05E-30	0.447027	2.53E-24	0.345441	1.56E-14	0.297248	5.56E-11	0.314701	3.40E-12
5.15E-37	0.30028	3.47E-11	0.181609	7.92E-05	0.066532	0.15114	0.220713	1.46E-06
2.17E-65	0.515835	4.13E-33	0.30417	1.88E-11	0.235171	2.74E-07	0.416971	4.55E-21

2.31E-25	-0.17872	0.0001	-0.01324	0.77535	-0.07264	0.11699	-0.23976	1.57E-07
1.26E-47	0.152607	0.00094	0.124944	0.00686	-0.02981	0.52048	0.276692	1.18E-09
6.52E-23	0.138712	0.00266	0.027051	0.55981	0.111342	0.01608	-0.20556	7.53E-06
6.03E-47	0.178633	0.0001	0.177893	0.00011	0.029207	0.52896	0.342632	2.61E-14
#####	0.610999	3.92E-49	0.501836	3.70E-31	0.440615	1.33E-23	0.586242	1.90E-44
6.91E-72	0.689758	3.30E-67	0.554835	4.67E-39	0.509001	3.80E-32	0.571428	7.82E-42
#####	0.576633	9.76E-43	0.377925	2.65E-17	0.278477	9.16E-10	0.616383	3.31E-50
5.76E-26	0.143014	0.00195	0.185153	5.69E-05	0.093412	0.04363	0.184139	6.26E-05
2.24E-29	-0.22615	7.89E-07	-0.15362	0.00087	-0.07217	0.11938	-0.30362	2.05E-11
2.44E-81	0.529914	3.61E-35	0.468817	6.81E-27	0.394916	7.02E-19	0.632828	1.28E-53
1.06E-76	0.365835	3.10E-16	0.294424	8.59E-11	0.108003	0.01957	0.421628	1.50E-21
8.47E-30	0.326652	4.50E-13	0.158946	0.00057	0.05253	0.25724	0.302779	2.34E-11
7.13E-31	0.276439	1.23E-09	0.208302	5.65E-06	0.109819	0.0176	0.410274	2.19E-20
1.48E-32	0.333291	1.41E-13	0.222614	1.18E-06	0.136104	0.00321	0.407798	3.87E-20
#####	0.477539	5.64E-28	0.462116	4.40E-26	0.348087	9.51E-15	0.7007	3.45E-70
4.06E-39	0.149158	0.00123	0.097931	0.03437	0.021308	0.64603	0.301544	2.84E-11
2.41E-57	0.495139	2.96E-30	0.27332	1.91E-09	0.199918	1.34E-05	0.520953	7.56E-34
9.28E-70	0.241093	1.33E-07	0.201306	1.17E-05	0.115541	0.01247	0.35122	5.28E-15
3.16E-52	0.333677	1.31E-13	0.307143	1.17E-11	0.175583	0.00014	0.533866	9.17E-36
8.04E-34	0.169061	0.00024	0.110053	0.01735	-0.02773	0.54999	0.312074	5.24E-12
2.63E-96	0.483265	1.06E-28	0.394007	8.57E-19	0.323717	7.46E-13	0.616293	3.45E-50
2.22E-31	0.09209	0.0467	-0.02846	0.53961	-0.0597	0.1978	0.102929	0.02613
4.44E-28	0.191237	3.18E-05	0.20716	6.37E-06	0.084888	0.06683	0.376152	3.83E-17
6.99E-34	0.05828	0.20871	0.042286	0.36189	-0.09823	0.03383	0.205262	7.77E-06
1.55E-82	0.446747	2.72E-24	0.37163	9.66E-17	0.288463	2.12E-10	0.570505	1.13E-41
5.09E-81	0.313009	4.49E-12	0.205906	7.26E-06	0.144831	0.0017	0.399898	2.32E-19
#####	0.467668	9.40E-27	0.403486	1.04E-19	0.267533	4.27E-09	0.576206	1.16E-42
1.45E-46	0.132366	0.00416	0.174661	0.00015	0.0452	0.32973	0.39433	7.98E-19
2.21E-56	0.269745	3.15E-09	0.332109	1.73E-13	0.121613	0.00852	0.445758	3.53E-24
1.97E-78	0.426741	4.32E-22	0.406271	5.49E-20	0.338016	6.05E-14	0.563582	1.68E-40
1.28E-30	0.125876	0.00645	0.075705	0.10227	-0.0431	0.35271	0.276953	1.14E-09
6.72E-34	0.247164	6.26E-08	0.210199	4.62E-06	0.034583	0.45593	0.454623	3.38E-25
3.16E-31	0.450805	9.35E-25	0.3028	2.33E-11	0.22423	9.82E-07	0.452332	6.23E-25
3.93E-30	0.218416	1.89E-06	0.151897	0.00099	0.037804	0.41504	0.39869	3.04E-19
8.00E-95	0.422986	1.08E-21	0.442889	7.43E-24	0.314744	3.38E-12	0.531315	2.23E-35
#####	0.489726	1.54E-29	0.406137	5.67E-20	0.328511	3.26E-13	0.576542	1.01E-42
5.40E-37	0.310734	6.52E-12	0.080434	0.0825	0.067093	0.14772	0.398587	3.11E-19
5.45E-74	0.386553	4.31E-18	0.319577	1.51E-12	0.163411	0.00039	0.512063	1.41E-32
2.58E-59	0.325685	5.32E-13	0.326277	4.80E-13	0.169274	0.00024	0.514834	5.73E-33
1.19E-94	0.282784	4.91E-10	0.247229	6.21E-08	0.113691	0.01396	0.446958	2.58E-24
1.79E-89	0.567399	3.82E-41	0.386441	4.41E-18	0.313014	4.49E-12	0.508268	4.81E-32
2.21E-86	0.426124	5.02E-22	0.363143	5.28E-16	0.262774	8.17E-09	0.549935	2.88E-38
2.88E-54	0.231072	4.45E-07	0.174791	0.00015	0.11813	0.01062	0.559612	7.69E-40
1.50E-74	0.445336	3.94E-24	0.325202	5.78E-13	0.233312	3.42E-07	0.445171	4.11E-24
#####	0.375148	4.71E-17	0.276727	1.18E-09	0.204368	8.52E-06	0.564717	1.08E-40

3.39E-29	0.280895	6.46E-10	0.267244	4.44E-09	0.155021	0.00078	0.198216	1.60E-05
#####	0.565916	6.80E-41	0.498333	1.10E-30	0.447535	2.22E-24	0.647196	8.92E-57
1.13E-35	0.221021	1.41E-06	0.147437	0.0014	0.096541	0.03702	0.316998	2.32E-12
3.51E-31	0.060759	0.18996	0.127731	0.00571	0.017919	0.69933	0.333721	1.30E-13
2.05E-83	0.411022	1.84E-20	0.368663	1.76E-16	0.272336	2.19E-09	0.551831	1.43E-38
1.61E-56	0.266845	4.69E-09	0.234906	2.82E-07	0.127709	0.00571	0.378833	2.20E-17
8.53E-47	0.353056	3.73E-15	0.28236	5.22E-10	0.178637	0.0001	0.4436	6.18E-24
6.85E-41	0.178463	0.00011	0.111267	0.01615	0.028181	0.54352	0.313585	4.09E-12
8.03E-27	0.138932	0.00262	0.218935	1.78E-06	-0.00422	0.92757	0.234717	2.89E-07
1.18E-95	0.569064	1.99E-41	0.370808	1.14E-16	0.336331	8.18E-14	0.58087	1.74E-43
5.08E-57	0.325718	5.29E-13	0.265067	5.99E-09	0.149941	0.00115	0.486762	3.74E-29
1.16E-37	-0.09768	0.03483	-0.10179	0.02784	0.038115	0.41121	-0.31248	4.90E-12
8.34E-26	0.294907	7.98E-11	0.288023	2.26E-10	0.18221	7.49E-05	0.287306	2.52E-10
1.92E-39	0.195128	2.17E-05	0.148258	0.00131	0.050699	0.27423	0.288274	2.18E-10
9.61E-33	0.004089	0.92978	0.082149	0.07615	-0.01493	0.74754	0.297826	5.08E-11
7.44E-53	0.176211	0.00013	0.286922	2.66E-10	0.140205	0.00239	0.423684	9.10E-22
#####	0.522283	4.84E-34	0.408386	3.38E-20	0.385733	5.13E-18	0.575541	1.51E-42
2.52E-36	0.366241	2.86E-16	0.355016	2.56E-15	0.225386	8.61E-07	0.472171	2.63E-27
3.56E-71	0.275301	1.44E-09	0.195167	2.16E-05	0.08844	0.05615	0.489866	1.47E-29
3.71E-51	0.361202	7.73E-16	0.165625	0.00033	0.057097	0.21811	0.452464	6.02E-25
7.70E-81	0.499011	8.95E-31	0.481463	1.80E-28	0.373599	6.47E-17	0.474924	1.20E-27
6.69E-67	0.511769	1.56E-32	0.469546	5.54E-27	0.327417	3.94E-13	0.50866	4.24E-32
8.19E-25	0.13791	0.00282	0.044981	0.33208	-0.01615	0.72783	0.299418	3.97E-11
2.87E-28	-0.2172	2.16E-06	-0.06921	0.13532	-0.1064	0.02147	-0.24814	5.53E-08
8.04E-47	0.440495	1.38E-23	0.177186	0.00012	0.152034	0.00098	0.374432	5.45E-17
1.83E-44	0.295958	6.79E-11	0.128348	0.00547	0.035223	0.44763	0.274018	1.73E-09
5.37E-44	0.173771	0.00016	0.255304	2.20E-08	0.167344	0.00028	0.341106	3.45E-14
2.92E-74	0.29667	6.08E-11	0.28021	7.14E-10	0.122255	0.00817	0.496415	2.00E-30
6.33E-86	0.49497	3.12E-30	0.359233	1.14E-15	0.294173	8.92E-11	0.646086	1.59E-56
4.91E-57	0.153046	0.00091	0.141922	0.00211	0.000401	0.9931	0.3413	3.33E-14
#####	0.401478	1.63E-19	0.397262	4.18E-19	0.264238	6.70E-09	0.572037	6.14E-42
1.60E-39	0.206082	7.13E-06	0.247263	6.19E-08	0.179428	9.67E-05	0.441866	9.67E-24
6.67E-30	0.177185	0.00012	0.170188	0.00022	0.154298	0.00082	0.356429	1.95E-15
2.02E-71	0.293574	9.78E-11	0.29584	6.91E-11	0.163977	0.00037	0.504507	1.59E-31
3.37E-45	0.175339	0.00014	0.152825	0.00092	0.009462	0.8384	0.33531	9.82E-14
1.02E-95	0.406339	5.41E-20	0.292198	1.21E-10	0.191346	3.15E-05	0.507504	6.15E-32
#####	0.519487	1.23E-33	0.361496	7.30E-16	0.250269	4.22E-08	0.637273	1.41E-54
9.87E-83	0.457145	1.71E-25	0.343481	2.23E-14	0.244578	8.66E-08	0.520777	8.02E-34
#####	0.663082	1.81E-60	0.497637	1.37E-30	0.436883	3.46E-23	0.694708	1.54E-68
6.31E-39	-0.19721	1.77E-05	-0.12514	0.00677	-0.08067	0.08161	-0.29017	1.64E-10
#####	0.642386	1.06E-55	0.516889	2.92E-33	0.442102	9.10E-24	0.660193	8.82E-60
4.37E-39	0.428549	2.77E-22	0.15176	0.001	0.199596	1.39E-05	0.313189	4.36E-12
1.69E-46	0.203755	9.08E-06	0.166941	0.00029	0.077822	0.093	0.397227	4.21E-19
7.08E-98	0.546338	1.08E-37	0.477345	5.96E-28	0.390922	1.68E-18	0.623932	9.50E-52
1.11E-22	-0.19242	2.83E-05	-0.10094	0.02918	-0.0169	0.7156	-0.22272	1.17E-06



5.70E-15	0.590626	3.00E-45	0.551346	1.71E-38	0.697256	3.09E-69	0.478117	4.77E-28
0.30223	0.252594	3.13E-08	0.29686	5.90E-11	0.487979	2.60E-29	0.024507	0.59731
0.04112	0.458198	1.28E-25	0.482957	1.16E-28	0.700004	5.38E-70	0.223093	1.12E-06
9.61E-22	0.615469	5.05E-50	0.734237	3.08E-80	0.832298	#####	0.485149	6.05E-29
2.62E-24	0.586083	2.02E-44	0.697296	3.01E-69	0.816221	#####	0.541479	6.22E-37
0.06969	0.341777	3.05E-14	0.475204	1.11E-27	0.695538	9.13E-69	0.068436	0.13976
3.92E-09	0.570554	1.10E-41	0.663049	1.84E-60	0.786225	2.90E-99	0.399755	2.40E-19
1.57E-20	0.565668	7.49E-41	0.649383	2.85E-57	0.747366	1.34E-84	0.538364	1.89E-36
3.07E-07	0.473874	1.62E-27	0.564726	1.08E-40	0.589999	3.91E-45	0.339603	4.54E-14
0.17707	0.575349	1.64E-42	0.518812	1.54E-33	0.729119	1.32E-78	0.248422	5.34E-08
0.00013	0.281191	6.19E-10	0.298881	4.31E-11	0.510438	2.39E-32	0.091651	0.04776
0.01174	0.328854	3.07E-13	0.301794	2.73E-11	0.525185	1.82E-34	0.101974	0.02756
0.00018	0.652585	5.28E-58	0.628293	1.17E-52	0.833038	#####	0.347709	1.02E-14
0.00685	0.534165	8.27E-36	0.606296	3.27E-48	0.808751	#####	0.290037	1.67E-10
7.95E-10	0.575088	1.82E-42	0.679587	1.49E-64	0.870384	#####	0.366588	2.67E-16
0.99687	0.430647	1.65E-22	0.424618	7.25E-22	0.498536	1.04E-30	0.154471	0.00081
9.48E-11	0.511175	1.89E-32	0.744007	1.86E-83	0.85525	#####	0.403181	1.11E-19
7.10E-13	0.695069	1.22E-68	0.740858	2.10E-82	0.882051	#####	0.558554	1.15E-39
2.19E-06	0.617928	1.61E-50	0.562859	2.22E-40	0.765881	3.13E-91	0.470792	3.90E-27
6.26E-06	0.580533	2.00E-43	0.660582	7.13E-60	0.888079	#####	0.383358	8.49E-18
3.42E-07	0.729561	9.55E-79	0.663436	1.49E-60	0.881452	#####	0.406215	5.57E-20
8.51E-05	0.581037	1.63E-43	0.501894	3.64E-31	0.750041	1.60E-85	0.370782	1.15E-16
0.01528	0.479201	3.48E-28	0.463509	2.99E-26	0.681106	6.06E-65	0.321285	1.13E-12
3.93E-10	0.666544	2.64E-61	0.703249	6.66E-71	0.901531	#####	0.460369	7.11E-26
9.44E-18	0.697736	2.28E-69	0.72908	1.35E-78	0.838939	#####	0.581139	1.56E-43
0.10612	0.478668	4.06E-28	0.597356	1.68E-46	0.827073	#####	0.25792	1.56E-08
2.82E-11	0.487073	3.41E-29	0.617012	2.47E-50	0.795925	#####	0.437565	2.91E-23
1.64E-17	0.495554	2.61E-30	0.679029	2.06E-64	0.803962	#####	0.490741	1.13E-29
3.01E-16	0.704469	3.01E-71	0.656017	8.46E-59	0.869392	#####	0.479644	3.06E-28
1.05E-08	0.56314	1.99E-40	0.659979	9.91E-60	0.874422	#####	0.491199	9.85E-30
1.38E-06	0.473176	1.98E-27	0.599442	6.78E-47	0.792618	#####	0.326235	4.84E-13
0.048	0.3144	3.57E-12	0.507559	6.04E-32	0.683654	1.33E-65	0.124671	0.00699
0.12298	0.422415	1.24E-21	0.476719	7.15E-28	0.529024	4.91E-35	0.172132	0.00019
1.94E-14	0.536927	3.13E-36	0.628968	8.43E-53	0.72886	1.59E-78	0.381598	1.23E-17
2.08E-13	0.582422	9.22E-44	0.654635	1.77E-58	0.771623	2.06E-93	0.388414	2.89E-18
2.18E-17	0.570641	1.07E-41	0.617629	1.85E-50	0.780008	1.02E-96	0.48567	5.18E-29
9.59E-05	0.61468	7.27E-50	0.642868	8.30E-56	0.834501	#####	0.368714	1.74E-16
0.92873	0.416814	4.72E-21	0.491939	7.87E-30	0.75208	3.12E-86	0.225696	8.31E-07
0.24105	0.370034	1.33E-16	0.525984	1.39E-34	0.706721	6.89E-72	0.236388	2.36E-07
0.66522	0.520159	9.86E-34	0.504264	1.72E-31	0.618005	1.56E-50	0.272907	2.02E-09
0.06229	0.113162	0.01441	0.038433	0.40732	0.11994	0.00948	0.141606	0.00216
0.01081	0.034757	0.45366	0.006386	0.89052	-0.04821	0.29851	0.052025	0.26186
0.61429	0.023968	0.60541	0.021429	0.64416	0.010816	0.81567	0.1509	0.00107
0.00071	0.112638	0.01488	0.153523	0.00087	0.06059	0.19119	0.218216	1.93E-06
0.00013	0.122543	0.00802	0.163558	0.00039	0.048272	0.29789	0.12143	0.00862

0.00989	-0.10933	0.01811	-0.09556	0.03899	-0.13255	0.00411	-0.04687	0.31213
0.8885	0.018532	0.68956	0.020261	0.66232	-0.01586	0.73242	0.050854	0.27276
1.61E-08	0.012575	0.78636	0.130896	0.00461	0.058849	0.20429	0.331908	1.80E-13
0.57037	0.095846	0.03841	0.043582	0.34735	0.030853	0.50599	0.030173	0.51541
0.22208	0.009026	0.84575	0.051554	0.2662	0.000316	0.99457	-0.03103	0.50351
0.5737	-0.02477	0.5934	-0.01805	0.69726	-0.04003	0.38804	0.044844	0.33356
4.75E-06	0.148329	0.00131	0.224954	9.04E-07	0.128575	0.00539	0.165526	0.00033
0.05758	-0.07257	0.1173	0.03721	0.42241	-0.06915	0.13568	0.118171	0.01059
0.41834	0.027546	0.55265	0.015779	0.73379	-0.01923	0.67855	0.085328	0.06542
0.94966	-0.02755	0.55261	0.01404	0.76219	-0.0189	0.68372	-0.02144	0.64401
0.76383	-0.01886	0.68441	-0.03103	0.50358	-0.05088	0.27247	0.029144	0.52984
0.22148	0.053335	0.25001	0.021027	0.65039	0.006953	0.88088	0.111227	0.01619
0.10262	-0.01199	0.79607	-0.08682	0.06083	-0.10684	0.02093	0.086085	0.06306
0.04369	-0.0653	0.1589	-0.08435	0.06857	-0.11044	0.01696	0.085648	0.06441
0.73982	0.023392	0.61411	-0.03734	0.42085	-0.00819	0.85986	0.088749	0.0553
0.0909	-0.049	0.29067	-0.07135	0.12361	-0.07524	0.10441	-0.03841	0.40763
0.21823	-0.0918	0.04739	-0.0671	0.14766	-0.11998	0.00945	-0.07733	0.09509
0.00364	0.110271	0.01713	0.112196	0.01528	0.109022	0.01844	0.165359	0.00033
0.58214	-0.04628	0.31834	-0.05126	0.2689	-0.06485	0.16176	-0.00699	0.88029
0.00018	0.003628	0.93767	0.087009	0.06027	0.03646	0.43184	0.12788	0.00565
0.22059	-0.01179	0.79944	0.027167	0.55813	0.015985	0.73044	-0.04359	0.34726
0.15189	0.053667	0.24707	0.020813	0.65371	0.028889	0.53344	0.087364	0.05923
5.09E-05	-0.03661	0.42992	-0.06956	0.13337	-0.00516	0.91141	-0.07274	0.11649
0.33108	-0.06895	0.13681	-0.11478	0.01307	-0.15527	0.00076	-0.06219	0.17973
0.1886	-0.11188	0.01557	-0.10633	0.02156	-0.15496	0.00078	-0.02469	0.59451
0.46302	-0.04179	0.36758	-0.05681	0.22046	-0.07718	0.09574	-0.00682	0.88313
0.76188	-0.11284	0.01469	-0.13363	0.00382	-0.12189	0.00837	-0.05076	0.27361
0.79246	0.005921	0.89845	-0.03287	0.47858	-0.0444	0.33835	0.027762	0.54954
0.00046	-0.15816	0.0006	-0.15319	0.0009	-0.06505	0.1605	-0.13808	0.00279
2.71E-05	-0.13221	0.00421	-0.09552	0.03907	-0.09978	0.0311	-0.14371	0.00185
0.01132	-0.05945	0.19973	-0.10508	0.02315	-0.19304	2.67E-05	-0.02452	0.59712
0.51114	-0.05061	0.27506	-0.05769	0.21339	-0.09697	0.03619	-0.04253	0.35915
2.59E-06	0.152259	0.00096	0.121865	0.00838	0.087389	0.05915	0.171737	0.00019
0.39797	-0.01502	0.74614	-0.03743	0.41971	-0.07056	0.12784	-0.03787	0.41424
0.71771	-0.03706	0.4243	-0.03357	0.46926	-0.06116	0.18705	-0.00828	0.85841
0.64139	0.095058	0.04004	-0.00487	0.91649	0.082077	0.07641	0.066041	0.15419
0.04722	0.178175	0.00011	0.123262	0.00766	0.138902	0.00263	0.1071	0.02062
0.03027	-0.00214	0.96327	-0.06431	0.16528	-0.06336	0.17168	0.127605	0.00575
0.44377	-0.05929	0.20091	-0.06599	0.1545	-0.13882	0.00264	0.02051	0.65843
5.86E-07	0.039029	0.40007	0.100807	0.02939	0.118141	0.01061	0.067864	0.14311
0.26162	-0.08042	0.08255	-0.11039	0.01701	-0.11516	0.01276	-0.07338	0.1133
0.78289	-0.00119	0.97955	0.091847	0.04729	-0.01726	0.70991	0.095026	0.0401
2.04E-11	0.111785	0.01566	0.09774	0.03472	-0.04065	0.3808	0.297803	5.10E-11
0.09534	0.024329	0.59998	0.002944	0.94941	0.006459	0.88929	0.092152	0.04655
0.00405	0.062416	0.17814	-0.00345	0.94067	-0.0267	0.56497	0.017941	0.69898

6.56E-08	0.139596	0.0025	0.130984	0.00458	0.106306	0.02158	0.286925	2.66E-10
0.55394	0.03671	0.42868	-0.00491	0.91572	-0.00252	0.95676	0.134263	0.00365
0.22727	-0.06128	0.1862	-0.00438	0.92482	-0.00634	0.89137	-0.03545	0.44468
0.85071	-0.0209	0.65238	-0.00972	0.83407	-0.02401	0.60481	-0.05514	0.23436
0.12971	-0.04965	0.28428	-0.04609	0.32032	-0.05252	0.2573	-0.0379	0.41382
0.00118	-0.08731	0.05937	-0.12236	0.00812	-0.05096	0.27178	-0.09272	0.04522
0.00014	0.016569	0.721	0.024856	0.59211	-0.06554	0.15737	0.170042	0.00022
0.68837	-0.0381	0.41137	-0.0278	0.54903	-0.07159	0.12235	0.043309	0.35038
0.06001	0.036819	0.42732	-0.00475	0.91849	-0.08543	0.06509	0.042256	0.36224
0.10748	-0.0895	0.05326	-0.09132	0.04858	-0.11596	0.01215	-0.08437	0.06852
0.79972	-0.0479	0.30163	-0.04533	0.32834	-0.07537	0.10382	0.008089	0.8616
0.01116	-0.05139	0.26769	-0.07081	0.1265	-0.09224	0.04634	-0.09926	0.03199
0.08993	-0.09639	0.03732	-0.13749	0.00291	-0.18739	4.61E-05	-0.05581	0.22864
0.02836	0.027959	0.54672	0.042474	0.35976	0.060345	0.193	0.02591	0.57649
0.00245	-0.03256	0.48272	0.01407	0.76169	0.065969	0.15464	-0.0762	0.10005
0.00012	-0.04071	0.38013	0.028619	0.53728	-0.10048	0.02993	0.095189	0.03976
0.00168	0.03471	0.45427	-0.02876	0.53534	-0.14876	0.00126	0.104835	0.02347
0.1754	0.024448	0.5982	0.0093	0.84114	0.015967	0.73074	0.030933	0.50487
0.5384	0.068775	0.13781	0.014162	0.76018	0.049167	0.28901	0.120669	0.00905
0.80131	-0.02416	0.60248	0.022328	0.63032	0.007839	0.86584	0.013358	0.77342
0.17869	-0.02736	0.55541	-0.05978	0.19723	-0.03962	0.39294	0.019774	0.66995
3.33E-10	0.341676	3.11E-14	0.215046	2.74E-06	0.105769	0.02226	0.249365	4.74E-08
0.21166	0.152271	0.00096	0.108686	0.0188	0.157088	0.00066	0.158934	0.00057
0.12532	0.041486	0.37105	0.027088	0.55927	0.013981	0.76316	0.016436	0.72314
0.02725	-0.10591	0.02207	-0.16492	0.00035	-0.18786	4.40E-05	-0.04482	0.33383
8.71E-05	0.095321	0.03949	0.098295	0.0337	0.012919	0.78067	0.123386	0.0076
0.71212	0.100084	0.03058	0.10312	0.02585	0.108313	0.01922	0.075851	0.10161
0.33853	-0.00647	0.88917	-0.03251	0.48334	-0.03452	0.45678	0.092478	0.04578
0.54761	-0.03069	0.50824	-0.04656	0.31537	-0.0466	0.31493	0.056991	0.21897
0.20977	0.089556	0.05311	0.017204	0.71078	0.063879	0.16816	0.086247	0.06256
3.48E-08	0.258613	1.42E-08	0.203319	9.50E-06	0.117331	0.01116	0.287315	2.51E-10
0.28143	0.131264	0.00449	0.040071	0.38761	0.125781	0.0065	0.10685	0.02092
0.20452	0.007758	0.86721	0.074087	0.10983	0.116972	0.01142	0.162886	0.00041
0.82269	-0.00992	0.83066	0.091114	0.04909	0.092059	0.04678	0.142483	0.00202
0.59908	0.082798	0.07385	0.059643	0.19824	0.118365	0.01047	0.018145	0.69572
0.95553	0.011478	0.8046	-0.03967	0.39233	0.029122	0.53015	0.086795	0.06091
0.10493	0.08835	0.05641	0.214041	3.05E-06	0.145785	0.00158	0.133195	0.00393
0.76743	0.006608	0.88676	-0.0519	0.26298	-0.04206	0.36447	0.029319	0.52736
0.82107	0.065915	0.15498	0.023385	0.61421	0.052185	0.26039	0.034329	0.45924
0.34597	0.035839	0.43973	0.024259	0.60104	0.032973	0.47719	0.008002	0.86308
0.64991	0.065316	0.15877	0.042115	0.36383	0.045434	0.32723	0.104491	0.02393
2.22E-06	0.040119	0.38704	0.145842	0.00158	0.038804	0.4028	0.358381	1.34E-15
5.84E-05	0.170016	0.00022	0.048869	0.29195	-0.02786	0.5481	0.10796	0.01962
0.06893	0.07245	0.11793	0.032543	0.48295	-0.01078	0.81622	0.014858	0.74878
0.53713	-0.0563	0.22458	-0.03519	0.44803	-0.07828	0.09108	0.026704	0.56486

0.56333	0.040751	0.3796	-0.01221	0.7924	-0.01057	0.81974	0.090091	0.0517
0.23823	0.00407	0.9301	0.029674	0.52237	-0.04384	0.34456	-0.03989	0.3897
3.91E-07	0.139309	0.00255	0.152131	0.00097	0.007825	0.86607	0.180875	8.47E-05
0.12208	-0.01464	0.75242	0.069526	0.13355	0.000284	0.99512	0.206347	6.93E-06
0.45822	-0.03356	0.46944	-0.01264	0.78533	0.037031	0.42465	0.067618	0.14457
0.10711	-0.11101	0.0164	-0.10378	0.02491	-0.11007	0.01734	-0.03788	0.41409
0.47895	0.007478	0.87195	0.013256	0.7751	0.014143	0.7605	0.029492	0.52494
4.81E-05	0.075898	0.10139	0.064569	0.1636	-0.05209	0.26122	0.057052	0.21847
0.75995	-0.10579	0.02222	-0.10221	0.02719	-0.1535	0.00087	0.001297	0.9777
0.13168	0.051176	0.26974	-0.02926	0.5282	-0.03635	0.43318	-0.01059	0.8194
0.3251	0.072907	0.11563	-0.00405	0.93038	0.023155	0.6177	0.120781	0.00898
0.65274	0.022007	0.63524	0.0299	0.51921	-0.0279	0.54751	0.058134	0.20985
1.76E-15	-0.15754	0.00063	-0.13705	0.003	-0.08074	0.08132	-0.19602	1.99E-05
0.55954	0.019782	0.66983	0.039791	0.39094	0.06353	0.1705	0.024201	0.6019
0.04292	-0.07126	0.12408	-0.0552	0.23377	-0.09209	0.0467	-0.07671	0.09778
0.77869	0.044538	0.33686	0.016761	0.71791	0.009976	0.82976	0.035245	0.44735
0.13205	0.114207	0.01353	0.120926	0.0089	0.122417	0.00809	0.116107	0.01204
3.35E-05	-0.03837	0.40807	-0.07323	0.11399	-0.05604	0.22676	-0.10746	0.0202
0.8325	0.075374	0.10378	0.09326	0.04397	0.073314	0.1136	0.136582	0.0031
3.99E-05	-0.05747	0.21511	-0.05996	0.19589	-0.14731	0.00141	0.096599	0.03691
0.4352	-0.04307	0.35307	-0.00334	0.94265	-0.04774	0.30325	0.056462	0.22328
0.03404	0.023925	0.60606	-0.01817	0.69525	-0.05148	0.26694	0.026687	0.56512
1.08E-05	0.097588	0.03501	0.138614	0.00268	0.098415	0.03348	0.273003	2.00E-09
0.34081	-0.0345	0.45696	-0.02338	0.6143	-0.07262	0.11705	0.071819	0.12118
0.00092	0.107103	0.02061	0.059577	0.19873	0.063781	0.16881	0.161267	0.00047
0.00617	0.029997	0.51785	-0.04102	0.37646	-0.09577	0.03856	0.027307	0.5561
0.25863	0.068599	0.13882	0.111893	0.01556	0.088457	0.05611	0.087761	0.05808
0.00223	0.087943	0.05756	0.094469	0.04129	0.05239	0.25852	0.206434	6.87E-06
0.00074	-0.1004	0.03006	-0.07583	0.10168	-0.04448	0.33755	-0.11447	0.01331
0.03869	0.145887	0.00157	0.144574	0.00173	0.113602	0.01404	0.137585	0.00289
1.63E-05	0.451198	8.43E-25	0.260487	1.11E-08	0.265463	5.67E-09	0.240605	1.42E-07
0.47967	-0.0483	0.29759	-0.03494	0.45128	-0.06681	0.14944	-0.01414	0.76053
7.05E-05	0.102378	0.02695	0.085661	0.06437	0.04446	0.33772	0.098667	0.03303
0.10646	0.035446	0.44477	-0.02007	0.66523	-0.00572	0.90193	0.121376	0.00865
0.43521	-0.03327	0.47319	-0.04406	0.34204	-0.04897	0.29096	-0.00019	0.99665
6.30E-05	0.007834	0.86592	0.024528	0.597	-0.02542	0.5838	0.160341	0.0005
0.47064	0.063986	0.16745	0.050109	0.27985	0.064857	0.16173	0.074726	0.1068
0.01121	-0.01742	0.70739	0.00637	0.8908	-0.0406	0.38132	0.078618	0.08969
0.0007	0.145343	0.00164	0.166068	0.00031	0.046482	0.31618	0.192008	2.95E-05
0.02265	0.069956	0.13116	0.005737	0.90159	-0.00013	0.99783	0.135555	0.00333
0.03447	0.01478	0.75005	0.030507	0.51077	-0.04847	0.2959	0.076639	0.09809
0.26282	-0.04241	0.36053	-0.05492	0.23618	-0.129	0.00524	0.062373	0.17844
0.07075	-0.03923	0.39769	0.023879	0.60675	0.025698	0.57963	0.02646	0.56843
0.90736	0.02685	0.56274	-0.00558	0.90419	-0.02443	0.59849	0.082662	0.07432
0.20992	-0.01655	0.72133	0.020753	0.65464	0.037984	0.41282	0.130511	0.00473

0.0358	0.113423	0.01419	0.036705	0.42874	0.006922	0.8814	0.120688	0.00904
0.89057	-0.01943	0.67541	0.003947	0.9322	-0.00478	0.91789	-0.04441	0.33823
1.69E-05	0.012727	0.78384	-0.04193	0.36599	-0.10011	0.03053	0.12989	0.00493
0.09469	-9.11E-05	0.99843	-0.06347	0.17094	0.012618	0.78566	-0.07605	0.10072
0.00216	0.067346	0.14619	-0.0685	0.13941	-0.08884	0.05504	-0.12426	0.00718
1.05E-05	0.222296	1.22E-06	0.250125	4.30E-08	0.206459	6.85E-06	0.21626	2.40E-06
0.55469	0.063166	0.17296	0.007895	0.86489	0.013575	0.76983	0.108513	0.019
0.00929	-0.18086	8.48E-05	-0.12679	0.00607	-0.24054	1.43E-07	0.052691	0.25579
7.94E-21	0.097837	0.03454	0.106255	0.02164	-0.05982	0.19692	0.309836	7.55E-12
0.00476	-0.07702	0.09643	0.017362	0.70825	-0.05909	0.20245	0.020397	0.6602
4.38E-17	-0.09745	0.03527	-0.00422	0.92754	-0.1978	1.67E-05	0.152651	0.00094
0.57644	-0.06977	0.13219	-0.0125	0.78767	-0.04666	0.31433	-0.0309	0.50536
0.00065	-0.06909	0.13602	0.080849	0.08093	-0.03266	0.48133	0.170638	0.00021
0.00736	-0.00989	0.83115	0.046408	0.31695	-0.00924	0.84222	0.090617	0.05034
0.59167	0.045587	0.32561	0.027768	0.54945	0.083929	0.06998	0.074007	0.11022
2.63E-09	-0.0448	0.33403	-0.02139	0.64476	0.017254	0.70998	-0.10752	0.02013
0.02021	-0.06615	0.15352	-0.04432	0.33922	-0.04864	0.29425	-0.03943	0.3953
0.28937	0.20017	1.31E-05	0.089479	0.05332	0.213971	3.08E-06	0.120839	0.00895
0.87948	0.063484	0.17081	-0.0817	0.07778	-0.00072	0.98768	-0.00791	0.86469
0.03242	0.260766	1.07E-08	0.131687	0.00436	0.272079	2.27E-09	0.203776	9.06E-06
0.0242	0.216751	2.27E-06	0.075132	0.1049	0.18936	3.81E-05	0.161921	0.00044
0.27174	0.21132	4.09E-06	0.136671	0.00308	0.212375	3.66E-06	0.18371	6.51E-05
0.80495	0.219817	1.62E-06	0.133492	0.00385	0.23669	2.28E-07	0.124567	0.00703
2.33E-07	0.092354	0.04608	0.07656	0.09844	0.084993	0.06649	0.261692	9.45E-09
9.15E-06	0.158332	0.00059	0.043255	0.35099	0.115221	0.01272	0.206691	6.69E-06
0.48278	0.020834	0.65338	-0.10379	0.0249	-0.08111	0.07994	-0.02094	0.65176
5.73E-06	0.155596	0.00074	0.156794	0.00067	0.201876	1.10E-05	0.198886	1.49E-05
0.76784	0.14565	0.0016	0.065498	0.15761	0.192604	2.79E-05	0.105404	0.02272
0.02611	0.194698	2.27E-05	0.115687	0.01236	0.212222	3.72E-06	0.249113	4.89E-08
0.36002	0.120055	0.00941	-0.00607	0.89597	0.112636	0.01488	0.055641	0.23009
0.03352	0.08178	0.07748	0.002233	0.96161	0.081184	0.07967	0.096056	0.03798
0.07771	0.178188	0.00011	0.036578	0.43034	0.112717	0.01481	0.116445	0.01179
8.72E-05	0.07075	0.12683	-0.02632	0.57044	0.037725	0.41602	0.157585	0.00063
0.34457	0.046643	0.31451	-0.05374	0.24641	0.040698	0.38022	0.049226	0.28843
0.00069	0.215729	2.54E-06	0.075424	0.10355	0.090104	0.05167	0.121274	0.00871
0.00558	0.197525	1.71E-05	0.104337	0.02414	0.181595	7.93E-05	0.252107	3.33E-08
0.00163	0.109767	0.01765	0.024112	0.60324	0.053818	0.24575	0.213784	3.14E-06
0.17547	0.039585	0.39339	-0.01258	0.78629	0.029307	0.52754	-0.00558	0.90421
0.10298	0.24008	1.51E-07	0.132142	0.00423	0.286792	2.72E-10	0.188659	4.08E-05
0.48029	0.011686	0.80115	-0.00372	0.93603	0.052846	0.25439	0.047443	0.30627
0.18349	-0.07116	0.12463	-0.00446	0.92346	-0.00241	0.95855	0.10185	0.02775
0.92724	0.156883	0.00067	0.076945	0.09675	0.193491	2.55E-05	0.114285	0.01347
0.1024	0.180044	9.14E-05	0.042268	0.3621	0.203772	9.06E-06	0.164978	0.00034
0.00015	0.27803	9.77E-10	0.207348	6.24E-06	0.295003	7.86E-11	0.244568	8.67E-08
0.93378	0.153624	0.00087	0.083026	0.07305	0.200789	1.23E-05	0.178946	0.0001

0.00415	0.171629	0.00019	0.081359	0.07902	0.159346	0.00055	0.102489	0.02678
0.9416	0.201767	1.11E-05	0.100667	0.02962	0.232023	3.98E-07	0.115327	0.01264
0.96408	0.120668	0.00905	0.041536	0.37048	0.086287	0.06244	0.027244	0.55701
0.70948	-0.03118	0.50153	-0.1596	0.00054	-0.06116	0.18703	-0.02885	0.53398
0.07226	0.139922	0.00244	0.028868	0.53374	0.178415	0.00011	0.028823	0.53439
0.74364	0.12892	0.00527	0.019927	0.66754	0.160231	0.00051	0.084288	0.06878
0.18569	0.063911	0.16794	0.003696	0.93652	0.043131	0.35237	0.10443	0.02402
0.65361	0.140694	0.00231	0.020705	0.65539	0.149578	0.00119	0.054688	0.23819
0.13037	0.174856	0.00015	0.108606	0.01889	0.175469	0.00014	0.203084	9.73E-06
0.67357	0.186081	5.21E-05	0.107305	0.02038	0.217208	2.16E-06	0.064869	0.16165
0.7359	0.191974	2.96E-05	0.119697	0.00962	0.244118	9.18E-08	0.082407	0.07523
0.43056	0.287219	2.55E-10	0.175983	0.00013	0.337257	6.93E-14	0.169864	0.00023
0.00135	0.278586	9.02E-10	0.132556	0.00411	0.232124	3.93E-07	0.166219	0.00031
0.16759	0.1999	1.35E-05	0.115291	0.01266	0.205836	7.31E-06	0.187341	4.63E-05
0.28694	0.181798	7.78E-05	0.155745	0.00073	0.231251	4.36E-07	0.142922	0.00196
0.62491	0.043263	0.3509	0.050728	0.27395	0.130272	0.00481	0.197349	1.74E-05
0.04129	0.04748	0.30589	0.031329	0.49944	0.044959	0.33231	0.10847	0.01904
0.09348	0.219714	1.63E-06	0.057563	0.21437	0.141886	0.00212	0.158915	0.00057
0.16947	0.207893	5.89E-06	0.09215	0.04656	0.222014	1.26E-06	0.156486	0.00069
0.16658	0.238153	1.91E-07	0.129342	0.00512	0.266821	4.71E-09	0.192954	2.69E-05
4.80E-05	0.04211	0.3639	-0.08511	0.0661	-0.02385	0.60712	-0.02957	0.52382
3.38E-11	0.13505	0.00346	0.06689	0.14895	0.039381	0.39584	0.331457	1.95E-13
3.69E-09	0.319012	1.66E-12	0.171469	0.0002	0.222966	1.13E-06	0.395082	6.77E-19
0.15936	0.238323	1.87E-07	0.103596	0.02517	0.216837	2.25E-06	0.237825	1.99E-07
0.02753	0.156573	0.00069	0.063614	0.16993	0.124589	0.00702	0.28032	7.02E-10
5.24E-05	0.100988	0.0291	0.008226	0.85928	0.099575	0.03144	0.02825	0.54254
2.22E-19	0.055593	0.23049	0.123836	0.00738	0.031478	0.4974	0.28255	5.08E-10
6.53E-05	0.198892	1.49E-05	0.307694	1.07E-11	0.264552	6.42E-09	0.102153	0.02729
6.29E-17	0.240152	1.50E-07	0.099721	0.03119	0.085874	0.06371	0.264037	6.88E-09
2.82E-13	-0.11183	0.01561	-0.08551	0.06484	-0.03078	0.50695	-0.21956	1.66E-06
0.00049	0.168018	0.00027	0.082432	0.07514	0.066184	0.1533	0.082276	0.07569
3.25E-09	-0.15988	0.00052	-0.04223	0.36252	-0.07709	0.09611	-0.22456	9.46E-07
0.31302	-0.02603	0.57477	0.040583	0.38157	-0.03594	0.43847	0.108541	0.01896
0.00016	0.166942	0.00029	0.07897	0.08826	0.212981	3.42E-06	0.117738	0.01088
2.92E-12	0.234141	3.09E-07	0.207271	6.29E-06	0.196528	1.89E-05	0.24365	9.73E-08
4.78E-08	0.383553	8.15E-18	0.345921	1.42E-14	0.331213	2.03E-13	0.400124	2.21E-19
4.77E-14	-0.05768	0.21341	-0.18882	4.02E-05	-0.04692	0.31162	-0.10649	0.02136
3.70E-10	0.033566	0.46929	0.101995	0.02753	0.179748	9.39E-05	0.053009	0.25293
0.6482	-0.10034	0.03015	-0.02035	0.66085	-0.03829	0.40906	-0.11853	0.01036
0.76508	0.096042	0.03801	0.009378	0.83982	0.027027	0.56017	-0.00229	0.9607
4.96E-07	0.406856	4.81E-20	0.216302	2.38E-06	0.269903	3.08E-09	0.268701	3.64E-09
1.12E-06	-0.28006	7.29E-10	-0.11959	0.00969	-0.16334	0.00039	-0.15646	0.00069
0.00036	0.261505	9.69E-09	0.268096	3.95E-09	0.165076	0.00034	0.139462	0.00252
1.14E-12	0.161744	0.00045	0.160952	0.00048	0.289672	1.77E-10	0.037213	0.42238
0.3141	0.04584	0.32292	-0.01771	0.70266	-0.00109	0.98117	-0.1511	0.00105

2.02E-07	-0.10018	0.03042	-0.07875	0.08916	-0.13855	0.0027	-0.01711	0.71236
4.00E-08	0.281452	5.96E-10	0.188595	4.10E-05	0.187853	4.41E-05	0.343594	2.19E-14
0.08646	-0.26333	7.57E-09	-0.11668	0.01162	-0.17427	0.00015	-0.01642	0.72345
0.13147	-0.05659	0.22222	0.143435	0.00189	0.050128	0.27967	0.388938	2.58E-18
4.64E-10	0.014045	0.76211	0.015365	0.74051	0.19149	3.10E-05	-0.0525	0.25752
0.16833	-0.06372	0.16924	-0.15755	0.00063	-0.09067	0.0502	-0.02611	0.57355
9.20E-08	0.328327	3.36E-13	0.221419	1.35E-06	0.227446	6.79E-07	0.307095	1.18E-11
0.18694	0.406209	5.57E-20	0.221607	1.32E-06	0.27486	1.54E-09	0.256267	1.94E-08
1.84E-05	0.291826	1.28E-10	0.200205	1.31E-05	0.338996	5.06E-14	0.024043	0.60428
1.52E-08	0.116705	0.01161	0.218394	1.89E-06	0.092734	0.04518	0.082183	0.07602
0.00086	0.090599	0.05039	-0.06178	0.18262	-0.02251	0.6276	-0.06075	0.19006
0.02062	0.135283	0.0034	0.025325	0.58514	0.110718	0.01668	0.17145	0.0002
0.01851	-0.01138	0.80622	0.064304	0.16534	0.136125	0.0032	0.030919	0.50507
5.91E-18	0.388989	2.55E-18	0.261661	9.48E-09	0.288656	2.06E-10	0.358105	1.41E-15
0.16488	0.062052	0.18068	-0.00309	0.94689	0.131897	0.0043	0.020847	0.65318
0.01061	-0.0437	0.34603	-0.11202	0.01544	-0.10041	0.03004	-0.03736	0.42051
4.31E-07	-0.38823	3.01E-18	-0.21062	4.41E-06	-0.30494	1.66E-11	-0.24815	5.53E-08
0.08622	0.092943	0.0447	0.048273	0.29787	0.02317	0.61748	0.049303	0.28767
2.43E-05	0.405439	6.64E-20	0.32213	9.77E-13	0.346719	1.23E-14	0.512575	1.20E-32
0.02865	0.311803	5.48E-12	0.250848	3.92E-08	0.282141	5.39E-10	0.342119	2.87E-14
1.11E-08	0.580752	1.83E-43	0.389224	2.43E-18	0.481993	1.54E-28	0.477509	5.69E-28
0.19896	0.344548	1.84E-14	0.288248	2.19E-10	0.220785	1.45E-06	0.199834	1.36E-05
6.35E-11	-0.18351	6.63E-05	-0.07771	0.09349	-0.0873	0.05941	-0.21247	3.62E-06
1.53E-05	-0.16196	0.00044	-0.09188	0.04721	-0.10493	0.02334	-0.13743	0.00292
3.80E-05	0.050328	0.27776	0.007831	0.86597	-0.01254	0.7869	0.087372	0.0592
0.00633	0.055263	0.23328	-0.112	0.01546	-0.12566	0.00655	-0.02878	0.53493
2.85E-07	0.28035	6.99E-10	0.220109	1.56E-06	0.187452	4.58E-05	0.229073	5.62E-07
0.336	0.11132	0.0161	0.027101	0.5591	0.072689	0.11672	0.065342	0.15861
0.0485	0.106428	0.02143	0.005606	0.90384	0.098334	0.03363	0.092411	0.04594
6.24E-11	-0.15084	0.00108	-0.21728	2.14E-06	-0.19005	3.57E-05	-0.18138	8.09E-05
6.06E-05	-0.21495	2.77E-06	-0.22225	1.23E-06	-0.17437	0.00015	-0.09439	0.04147
8.13E-16	0.449188	1.43E-24	0.382006	1.13E-17	0.395392	6.32E-19	0.566804	4.82E-41
1.85E-16	-0.22848	6.03E-07	-0.14156	0.00217	-0.17441	0.00015	-0.29098	1.45E-10
0.06759	0.17338	0.00017	0.131997	0.00427	0.206943	6.51E-06	0.218258	1.92E-06
0.92472	0.16326	0.0004	0.21177	3.90E-06	0.198325	1.58E-05	0.259468	1.27E-08
8.08E-06	-0.07368	0.1118	-0.08253	0.07478	-0.06851	0.13934	-0.07428	0.10892
0.08927	0.327851	3.66E-13	0.195267	2.14E-05	0.241946	1.20E-07	0.203778	9.06E-06
6.57E-12	0.142666	0.002	0.094824	0.04053	0.038613	0.40512	0.21812	1.95E-06
0.71246	0.041973	0.36545	-0.09707	0.03599	-0.03847	0.40691	-0.04358	0.34736
7.87E-09	0.447491	2.24E-24	0.360708	8.52E-16	0.323878	7.25E-13	0.380091	1.69E-17
1.39E-10	0.273272	1.92E-09	0.258176	1.51E-08	0.226555	7.53E-07	0.327993	3.57E-13
1.22E-07	0.402784	1.21E-19	0.309197	8.37E-12	0.387728	3.35E-18	0.37746	2.92E-17
2.60E-12	0.059625	0.19837	0.089378	0.05359	-0.01432	0.75765	0.260208	1.15E-08
3.18E-07	0.401738	1.54E-19	0.354775	2.68E-15	0.375889	4.04E-17	0.38754	3.48E-18
0.10373	0.208437	5.56E-06	0.143789	0.00184	0.173208	0.00017	0.260677	1.08E-08

2.52E-05	0.294462	8.54E-11	0.201959	1.09E-05	0.202398	1.04E-05	0.27258	2.12E-09
5.12E-11	0.206469	6.85E-06	0.184609	5.99E-05	0.12413	0.00724	0.263266	7.64E-09
7.55E-14	-0.18772	4.46E-05	-0.07135	0.12363	-0.07561	0.1027	-0.12691	0.00603
6.16E-06	0.184941	5.80E-05	0.125134	0.00678	0.091562	0.04798	0.256494	1.88E-08
1.73E-05	-0.16814	0.00026	-0.12933	0.00513	-0.16888	0.00025	-0.03264	0.48165
4.63E-09	-0.08529	0.06556	-0.06664	0.15046	-0.05139	0.26772	-0.04698	0.31106
0.0105	0.222102	1.25E-06	0.059684	0.19793	0.128946	0.00526	0.013693	0.7679
2.35E-11	-0.1256	0.00657	-0.15225	0.00096	-0.16505	0.00034	-0.16877	0.00025
0.36767	0.006558	0.88761	0.067551	0.14497	0.000378	0.9935	-0.12015	0.00935
1.23E-06	0.052894	0.25396	0.008136	0.8608	0.084422	0.06834	-0.05388	0.24524
8.15E-17	-0.03274	0.48033	-0.08755	0.05869	0.002254	0.96125	-0.19844	1.56E-05
7.53E-05	0.434607	6.14E-23	0.37983	1.78E-17	0.485243	5.88E-29	0.308806	8.92E-12
0.00376	0.091726	0.04758	0.096203	0.03769	0.257568	1.64E-08	0.006252	0.89282
5.98E-06	-0.08654	0.06166	-0.03759	0.41772	-0.02171	0.63975	-0.11972	0.00961
7.77E-08	0.111007	0.0164	0.087894	0.0577	0.19111	3.22E-05	0.049731	0.28351
4.20E-05	0.380582	1.52E-17	0.367979	2.02E-16	0.363734	4.70E-16	0.579187	3.47E-43
4.64E-12	0.115363	0.01261	0.185323	5.60E-05	0.089949	0.05207	0.307166	1.16E-11
0.017	-0.08977	0.05253	-0.1253	0.0067	-0.08734	0.05931	-0.01899	0.68237
5.91E-05	0.288395	2.14E-10	0.217586	2.07E-06	0.307051	1.18E-11	0.027538	0.55276
1.02E-14	0.432905	9.40E-23	0.346209	1.35E-14	0.299425	3.96E-11	0.372001	8.96E-17
0.06112	0.481367	1.85E-28	0.319131	1.62E-12	0.423342	9.89E-22	0.294329	8.72E-11
0.00042	0.162801	0.00041	0.192001	2.95E-05	0.152737	0.00093	0.217662	2.05E-06
1.15E-06	0.108155	0.01939	0.167242	0.00028	0.232165	3.91E-07	0.203779	9.06E-06
0.00383	-0.06277	0.17568	0.135458	0.00336	0.001861	0.96801	0.01694	0.71503
1.95E-13	0.041448	0.37149	-0.00611	0.89531	-0.03294	0.47763	0.243626	9.76E-08
0.00019	0.028605	0.53747	0.007365	0.87388	-0.07481	0.10641	0.068797	0.13768
1.21E-12	0.322518	9.15E-13	0.250714	3.99E-08	0.229476	5.36E-07	0.388417	2.89E-18
3.67E-06	-0.02747	0.55373	-0.01239	0.78946	0.049251	0.28818	-0.01326	0.77499
0.00038	0.012158	0.79329	0.053813	0.24579	0.00479	0.91778	0.047788	0.30276
1.05E-08	0.405608	6.39E-20	0.406399	5.34E-20	0.442427	8.37E-24	0.467956	8.67E-27
0.07085	0.160267	0.00051	0.129827	0.00495	0.113569	0.01406	0.243241	1.02E-07
0.0173	0.266475	4.94E-09	0.290711	1.51E-10	0.305061	1.63E-11	0.232236	3.88E-07
0.05974	0.473111	2.02E-27	0.240922	1.36E-07	0.380127	1.68E-17	0.18211	7.56E-05
1.07E-10	0.664498	8.26E-61	0.39875	3.00E-19	0.447265	2.38E-24	0.38575	5.11E-18
0.03459	0.140447	0.00235	0.127566	0.00577	0.100088	0.03058	0.008519	0.85433
0.11124	0.337144	7.07E-14	0.276025	1.30E-09	0.323196	8.15E-13	0.18356	6.61E-05
0.00629	0.16305	0.0004	0.089086	0.05438	0.078788	0.089	0.197854	1.66E-05
0.79412	0.015717	0.73479	-0.02723	0.55716	-0.04324	0.35118	0.034035	0.46311
0.10463	-0.03191	0.49155	-0.05904	0.2028	-0.04338	0.34956	-0.00136	0.97659
1.07E-08	-0.02544	0.58344	-0.08837	0.05636	0.022387	0.62941	-0.09818	0.03391
7.16E-06	0.376887	3.29E-17	0.281683	5.76E-10	0.218754	1.82E-06	0.350363	6.20E-15
3.42E-07	-0.10252	0.02673	-0.05633	0.22439	-0.05531	0.23284	-0.04852	0.29544
0.15129	-0.04321	0.35151	-0.01208	0.79451	-0.06941	0.1342	0.232389	3.81E-07
1.45E-12	0.234492	2.97E-07	0.181293	8.15E-05	0.137876	0.00283	0.317867	2.01E-12
1.32E-07	0.040083	0.38746	0.112261	0.01522	0.145502	0.00162	-0.04349	0.34838



1.52E-11	-0.09607	0.03795	0.047394	0.30677	-0.01796	0.6986	0.116813	0.01153
3.65E-10	-0.36645	2.74E-16	-0.17333	0.00017	-0.18172	7.84E-05	-0.31018	7.14E-12
0.0191	0.072828	0.11602	0.015698	0.73509	-0.02287	0.62198	0.148105	0.00133
2.03E-11	-0.16118	0.00047	-0.19028	3.49E-05	-0.17591	0.00013	-0.18193	7.68E-05
0.00151	0.061914	0.18166	0.009669	0.83493	0.05772	0.21312	0.04595	0.32175
0.00424	0.120164	0.00934	0.023169	0.6175	0.078601	0.08976	0.004304	0.92609
2.26E-05	-0.08556	0.06468	-0.10161	0.02813	-0.10101	0.02907	-0.08314	0.07266
0.12594	0.054394	0.24072	0.015583	0.73697	-0.01901	0.68192	0.087058	0.06012
0.13958	0.35299	3.77E-15	0.243303	1.02E-07	0.273512	1.86E-09	0.236053	2.46E-07
0.01895	0.167078	0.00029	0.137177	0.00297	0.088435	0.05617	0.204938	8.03E-06
2.78E-09	-0.0285	0.53903	-0.12218	0.00821	-0.08642	0.06203	-0.11683	0.01151
4.99E-08	0.001151	0.98021	0.043745	0.34555	0.005297	0.9091	-0.039	0.40045
1.18E-06	-0.09168	0.0477	-0.0566	0.22213	-0.03825	0.40957	-0.06121	0.18669
2.75E-12	0.29424	8.83E-11	0.18618	5.16E-05	0.084344	0.0686	0.290926	1.46E-10
0.02806	-0.00752	0.87129	0.00331	0.94312	0.000699	0.98798	0.050401	0.27706
2.45E-07	-0.02571	0.57947	0.022787	0.62331	-0.02609	0.57387	0.013382	0.77302
8.88E-07	0.309074	8.54E-12	0.113796	0.01387	0.129822	0.00496	0.251469	3.62E-08
3.47E-11	-0.2132	3.34E-06	-0.1531	0.0009	-0.11244	0.01505	-0.15991	0.00052
1.08E-06	0.386285	4.56E-18	0.341976	2.95E-14	0.346613	1.25E-14	0.394932	6.99E-19
8.37E-14	0.140111	0.00241	0.019289	0.67758	0.114069	0.01364	-0.13518	0.00342
1.58E-16	-0.02262	0.62589	-0.05922	0.20144	0.097015	0.0361	-0.12752	0.00579
0.2564	0.042813	0.35594	-0.01222	0.79225	0.00845	0.85548	0.026509	0.5677
0.01158	-0.09691	0.03629	-0.11353	0.0141	-0.03834	0.40847	-0.08881	0.05514
7.00E-08	-0.29484	8.06E-11	-0.23451	2.96E-07	-0.29551	7.27E-11	-0.22772	6.58E-07
1.97E-07	0.080395	0.08265	0.056568	0.22241	0.12028	0.00927	0.009372	0.83993
0.00512	0.109926	0.01748	0.001012	0.98259	0.07589	0.10143	0.036618	0.42983
8.83E-07	0.430077	1.90E-22	0.265765	5.44E-09	0.300848	3.17E-11	0.362316	6.21E-16
0.00014	0.333356	1.39E-13	0.24824	5.47E-08	0.265163	5.91E-09	0.451833	7.12E-25
0.60749	0.160698	0.00049	0.065318	0.15876	0.066215	0.1531	0.076551	0.09848
0.00184	0.313319	4.27E-12	0.254701	2.38E-08	0.291505	1.34E-10	0.328204	3.44E-13
2.38E-22	0.503522	2.18E-31	0.30281	2.33E-11	0.279845	7.52E-10	0.338566	5.47E-14
0.00094	0.385182	5.77E-18	0.336332	8.18E-14	0.337502	6.63E-14	0.560729	5.03E-40
0.03738	0.041479	0.37113	0.001034	0.98222	-0.03154	0.49659	0.153733	0.00086
1.82E-05	0.016023	0.72982	0.057407	0.21562	0.086592	0.06152	0.028762	0.53525
0.01116	0.356284	2.01E-15	0.372398	8.26E-17	0.417906	3.64E-21	0.24694	6.44E-08
1.49E-06	0.266546	4.89E-09	0.090446	0.05078	0.054391	0.24075	0.194541	2.30E-05
0.00196	0.000501	0.99138	-0.09831	0.03368	-0.07461	0.10735	-0.14257	0.00201
0.00143	0.212648	3.55E-06	0.034779	0.45338	0.05943	0.19984	0.171405	0.0002
0.13607	0.215294	2.66E-06	0.25399	2.61E-08	0.297648	5.23E-11	0.105425	0.0227
1.54E-11	0.309252	8.30E-12	0.304964	1.65E-11	0.238112	1.92E-07	0.447297	2.36E-24
0.09081	0.137099	0.00299	0.221036	1.41E-06	0.366016	2.99E-16	0.054858	0.23673
7.26E-12	-0.06388	0.16817	-0.04287	0.35524	-0.02413	0.60301	-0.2107	4.38E-06
0.35084	-0.07847	0.09029	-0.09484	0.04049	-0.10432	0.02417	-0.06776	0.14372
4.33E-10	0.339852	4.34E-14	0.185964	5.27E-05	0.187105	4.73E-05	0.30051	3.34E-11
0.2399	-0.14569	0.00159	-0.03766	0.41678	-0.13505	0.00345	-0.03362	0.46857

0.95334	-0.01257	0.78637	0.007919	0.86448	-0.03572	0.4413	0.029755	0.52124
0.07259	0.232822	3.62E-07	0.211846	3.87E-06	0.212192	3.73E-06	0.211364	4.07E-06
0.83091	0.265911	5.33E-09	0.123043	0.00777	0.161988	0.00044	0.146891	0.00146
0.0608	0.24904	4.94E-08	0.100443	0.02999	0.190058	3.57E-05	0.099533	0.03152
0.85127	0.06	0.19556	0.056147	0.22588	0.097013	0.0361	0.155615	0.00074
0.35026	0.241331	1.30E-07	0.248371	5.38E-08	0.312162	5.16E-12	0.220954	1.42E-06
8.63E-13	-0.05938	0.20024	0.045919	0.32208	0.14612	0.00154	-0.06289	0.17484
0.01878	0.123178	0.0077	0.146604	0.00149	0.021756	0.63911	-0.03093	0.5049
0.06448	0.098221	0.03384	0.054006	0.2441	0.10348	0.02534	0.136615	0.00309
3.09E-10	0.370238	1.28E-16	0.334268	1.18E-13	0.295243	7.58E-11	0.433326	8.46E-23
0.01671	0.260445	1.12E-08	0.222495	1.20E-06	0.246547	6.77E-08	0.29842	4.64E-11
2.81E-08	0.248193	5.50E-08	0.329329	2.83E-13	0.322875	8.61E-13	0.386582	4.28E-18
4.07E-06	-0.11015	0.01726	-0.05317	0.25149	-0.02559	0.58128	0.072673	0.1168
0.59985	0.032173	0.48795	-0.08231	0.07557	-0.09265	0.04538	-0.04245	0.36001
5.57E-13	0.067802	0.14347	-0.04503	0.33156	0.04898	0.29085	-0.05393	0.24476
0.0016	-0.35785	1.49E-15	-0.29516	7.67E-11	-0.29681	5.95E-11	-0.23873	1.78E-07
0.00642	-0.28572	3.18E-10	-0.16618	0.00031	-0.2005	1.27E-05	-0.11157	0.01586
8.38E-05	-0.27653	1.21E-09	-0.13783	0.00284	-0.09453	0.04117	-0.06477	0.1623
0.00996	0.123415	0.00758	0.209929	4.75E-06	0.174228	0.00015	0.278158	9.59E-10
0.3861	-0.10021	0.03036	-0.05141	0.26758	-0.03087	0.50581	0.109519	0.01791
0.00014	0.137238	0.00296	-0.01372	0.76739	-0.0103	0.82427	0.109228	0.01822
6.43E-10	0.383052	9.06E-18	0.258974	1.36E-08	0.213988	3.07E-06	0.286213	2.96E-10
1.41E-09	-0.18632	5.10E-05	-0.12602	0.00639	-0.12706	0.00597	-0.10613	0.0218
5.98E-10	0.03335	0.47217	0.0832	0.07245	-0.02057	0.65755	0.173665	0.00016
0.04107	0.014156	0.76029	0.024106	0.60333	-0.0059	0.89881	0.018057	0.69713
4.33E-12	0.08967	0.05281	-0.01005	0.82844	-0.03826	0.40945	0.105055	0.02318
0.19347	0.233303	3.42E-07	0.161839	0.00045	0.124017	0.00729	0.024284	0.60067
0.47143	0.074954	0.10573	0.048904	0.29159	0.043986	0.3429	0.052152	0.26069
2.18E-10	-0.17366	0.00016	-0.08488	0.06686	-0.13196	0.00428	-0.11265	0.01486
3.74E-06	0.018333	0.69274	0.23226	3.87E-07	0.167296	0.00028	0.111553	0.01588
0.27063	0.248552	5.25E-08	0.168291	0.00026	0.251292	3.70E-08	0.251935	3.41E-08
0.09833	0.040318	0.38468	0.101673	0.02802	0.138774	0.00265	0.069108	0.13591
0.00454	-0.01372	0.76745	0.039857	0.39015	0.031019	0.50369	0.12986	0.00494
1.55E-07	0.070271	0.12942	0.159843	0.00053	0.057174	0.21749	0.218172	1.94E-06
0.57565	0.127503	0.00579	0.121586	0.00853	0.133957	0.00373	0.198208	1.60E-05
4.46E-10	0.24894	5.00E-08	0.248773	5.11E-08	0.165653	0.00032	0.27779	1.01E-09
0.94642	0.213174	3.35E-06	0.103152	0.02581	0.182002	7.63E-05	0.088537	0.05588
6.07E-07	0.036042	0.43714	0.16108	0.00047	0.116349	0.01186	0.12982	0.00496
2.37E-05	-0.04417	0.34083	-0.06605	0.15414	-0.09979	0.03107	-0.01544	0.7393
0.92141	-0.06788	0.14303	0.050998	0.27141	0.016525	0.72171	-0.00585	0.89974
3.12E-16	0.265879	5.36E-09	0.224137	9.93E-07	0.203037	9.78E-06	0.585667	2.41E-44
3.63E-10	-0.16559	0.00033	0.020589	0.65719	-0.0683	0.14055	-0.11764	0.01095
0.12875	0.037296	0.42135	-0.04262	0.35807	-0.11765	0.01095	-0.04373	0.34569
3.19E-09	0.466929	1.16E-26	0.301688	2.78E-11	0.282137	5.39E-10	0.325487	5.50E-13
0.16816	0.328064	3.52E-13	0.23699	2.20E-07	0.291898	1.26E-10	0.092252	0.04632

3.50E-10	-0.14183	0.00212	0.009195	0.84291	-0.01917	0.67949	-0.12357	0.00751
4.00E-22	-0.0908	0.04988	-0.0917	0.04766	-0.02005	0.66555	-0.22035	1.52E-06
1.49E-08	0.138235	0.00276	0.306701	1.25E-11	0.242261	1.16E-07	0.366605	2.66E-16
0.03427	0.145175	0.00166	0.158313	0.0006	0.135967	0.00324	0.176288	0.00013
7.32E-07	0.377732	2.76E-17	0.305828	1.44E-11	0.311288	5.96E-12	0.34618	1.36E-14
4.59E-06	0.116562	0.01171	-0.01743	0.70722	-0.03539	0.44544	-0.03032	0.5133
6.29E-07	0.079541	0.08598	0.028989	0.53203	0.155913	0.00072	0.014333	0.75738
0.00026	0.311701	5.57E-12	0.232436	3.79E-07	0.252052	3.36E-08	0.319513	1.52E-12
0.03317	0.259724	1.23E-08	0.13445	0.0036	0.20494	8.03E-06	0.222078	1.25E-06
0.68543	0.030388	0.51242	0.129461	0.00508	0.115398	0.01258	0.026567	0.56686
1.78E-09	0.016474	0.72253	-0.01828	0.69357	0.109493	0.01794	0.08255	0.07472
0.44498	-0.20776	5.98E-06	-0.15056	0.0011	-0.13821	0.00276	0.064821	0.16196
9.74E-05	-0.29825	4.76E-11	-0.1187	0.01025	-0.20728	6.28E-06	-0.04555	0.32596
2.05E-12	0.244729	8.50E-08	0.190336	3.47E-05	0.136114	0.00321	0.330951	2.13E-13
0.99203	0.145709	0.00159	0.030249	0.51435	0.038508	0.4064	-0.09629	0.03752
4.10E-06	-0.2864	2.88E-10	-0.0984	0.03352	-0.16727	0.00028	-0.09456	0.04109
3.88E-07	0.238145	1.91E-07	0.19876	1.51E-05	0.204731	8.21E-06	0.28649	2.84E-10
0.08048	0.193579	2.53E-05	0.140283	0.00238	0.140658	0.00231	0.192024	2.95E-05
1.90E-08	0.489436	1.68E-29	0.291444	1.35E-10	0.328546	3.24E-13	0.459275	9.58E-26
0.9604	0.195557	2.08E-05	0.021843	0.63777	0.095174	0.03979	0.11586	0.01223
0.19416	0.398387	3.25E-19	0.254465	2.46E-08	0.351664	4.85E-15	0.166883	0.00029
0.0003	0.1768	0.00012	0.229726	5.21E-07	0.184785	5.89E-05	0.280411	6.93E-10
0.22079	-0.26123	1.00E-08	-0.1417	0.00214	-0.26286	8.07E-09	-0.05969	0.1979
0.0525	0.045659	0.32483	0.121581	0.00854	0.066254	0.15286	0.173775	0.00016
0.03454	0.271664	2.41E-09	0.276979	1.14E-09	0.309856	7.52E-12	0.225493	8.50E-07
0.40766	0.244649	8.59E-08	0.062441	0.17796	0.125695	0.00653	0.208786	5.36E-06
0.0038	0.388728	2.70E-18	0.220777	1.45E-06	0.240962	1.36E-07	0.274271	1.67E-09
5.56E-07	0.00812	0.86107	0.100468	0.02994	0.246586	6.74E-08	-0.03414	0.46167
0.07216	-0.02977	0.52101	0.06755	0.14497	0.05384	0.24556	0.064811	0.16203
0.00888	-0.10104	0.02902	-0.08236	0.07538	-0.10728	0.02041	-0.12514	0.00677
0.11653	0.411536	1.63E-20	0.443991	5.59E-24	0.484333	7.71E-29	0.343705	2.14E-14
0.42986	0.239876	1.55E-07	0.176394	0.00013	0.181454	8.03E-05	0.199685	1.38E-05
0.08191	0.281604	5.83E-10	0.147994	0.00134	0.223308	1.09E-06	0.149873	0.00116
0.04904	-0.05585	0.22834	0.017573	0.70485	-0.00921	0.84266	-0.00179	0.96926
5.97E-05	0.225629	8.37E-07	0.196872	1.83E-05	0.154099	0.00083	0.435071	5.46E-23
0.00167	-0.11909	0.01	-0.09587	0.03837	-0.15765	0.00063	-0.14459	0.00173
3.04E-12	-0.02647	0.56829	-0.01164	0.80191	0.178575	0.0001	0.035537	0.44359
1.80E-18	-0.15098	0.00107	-0.15047	0.00111	-0.08632	0.06233	-0.15576	0.00073
0.00206	-0.02165	0.64081	-0.01673	0.71846	-0.02739	0.55486	0.02805	0.54541
0.00016	0.444229	5.25E-24	0.311729	5.54E-12	0.339813	4.37E-14	0.425424	5.96E-22
1.49E-17	0.245735	7.50E-08	0.242802	1.08E-07	0.141536	0.00217	0.29686	5.90E-11
3.94E-06	0.18203	7.61E-05	0.208476	5.54E-06	0.14606	0.00155	0.280557	6.79E-10
8.21E-09	-0.16559	0.00033	-0.16354	0.00039	-0.16096	0.00048	-0.15537	0.00075
1.36E-09	0.33059	2.27E-13	0.23835	1.87E-07	0.257831	1.58E-08	0.402423	1.32E-19
0.00551	0.002798	0.95191	0.121042	0.00884	0.130355	0.00478	-0.03322	0.47394

2.07E-06	0.176672	0.00012	0.115791	0.01228	0.027453	0.554	0.21003	4.70E-06
0.7277	-0.02718	0.55799	-0.0508	0.27323	-0.00608	0.8958	0.014832	0.74921
1.67E-15	0.158824	0.00057	0.259137	1.33E-08	0.117396	0.01112	0.324977	6.01E-13
7.95E-06	0.191873	2.99E-05	0.162131	0.00044	0.141988	0.0021	0.2829	4.82E-10
0.10363	0.014588	0.7532	0.17314	0.00017	0.102731	0.02642	0.228782	5.82E-07
0.11962	0.244317	8.95E-08	0.112009	0.01545	0.176155	0.00013	0.070082	0.13046
0.03669	-0.06901	0.13647	-0.05896	0.20342	-0.15443	0.00081	0.004462	0.92338
0.00103	0.123515	0.00753	0.167726	0.00027	0.12772	0.00571	0.153993	0.00084
1.25E-12	0.297483	5.36E-11	0.169333	0.00024	0.212843	3.48E-06	0.428535	2.78E-22
0.00011	-0.18386	6.42E-05	-0.12086	0.00894	-0.12418	0.00721	-0.12888	0.00528
0.00043	0.298175	4.82E-11	0.236589	2.31E-07	0.269836	3.11E-09	0.279227	8.23E-10
2.65E-05	0.246084	7.18E-08	0.167507	0.00028	0.087279	0.05948	0.118003	0.01071
4.66E-14	0.260224	1.15E-08	0.24963	4.58E-08	0.168085	0.00026	0.396601	4.84E-19
0.00336	0.19509	2.18E-05	0.057125	0.21788	0.075002	0.1055	0.28814	2.22E-10
5.00E-05	0.092714	0.04523	0.05651	0.22288	0.103186	0.02576	0.133107	0.00396
0.94758	0.015089	0.74502	0.077039	0.09635	0.121522	0.00857	-0.07601	0.10088
0.00389	0.250447	4.13E-08	0.215274	2.67E-06	0.150517	0.0011	0.09938	0.03178
0.08013	0.175327	0.00014	0.156661	0.00068	0.145701	0.00159	0.364471	4.06E-16
0.01386	0.27148	2.47E-09	0.254125	2.57E-08	0.169317	0.00024	0.225607	8.39E-07
0.02449	0.129134	0.00519	0.156661	0.00068	0.135636	0.00332	0.033402	0.47147
0.00787	0.276655	1.19E-09	0.25402	2.60E-08	0.280653	6.69E-10	0.250402	4.15E-08
0.28153	0.209547	4.95E-06	0.060541	0.19156	0.043345	0.34999	0.131076	0.00455
0.4623	0.02882	0.53443	0.016721	0.71855	-0.02478	0.59322	0.085972	0.06341
0.00564	0.126559	0.00617	0.13742	0.00292	0.119594	0.00969	0.190461	3.43E-05
0.00279	-0.12001	0.00943	0.016779	0.71761	-0.14934	0.00121	0.10559	0.02248
0.01536	0.166733	0.0003	0.273559	1.85E-09	0.218873	1.80E-06	0.119489	0.00975
0.00017	0.169388	0.00024	0.206246	7.01E-06	0.117151	0.01129	0.308946	8.72E-12
0.40153	-0.0247	0.59443	-0.04494	0.33256	-0.00329	0.94342	-0.03108	0.50289
0.97929	0.095892	0.03832	0.020513	0.65838	-0.03009	0.51656	-0.00229	0.96059
0.01542	0.039781	0.39105	0.06304	0.17383	0.103479	0.02534	-0.06529	0.15895
0.00827	-0.05111	0.27033	0.138335	0.00274	0.051261	0.26893	0.343148	2.38E-14
0.00142	0.00024	0.99588	0.020086	0.66505	0.008082	0.86171	0.058809	0.2046
0.02413	0.294037	9.11E-11	0.181619	7.91E-05	0.258313	1.48E-08	0.363458	4.96E-16
0.12386	0.285818	3.14E-10	0.212025	3.80E-06	0.270164	2.97E-09	0.248103	5.56E-08
0.28933	0.211637	3.96E-06	0.019306	0.67732	0.140615	0.00232	0.064625	0.16323
0.05092	0.24993	4.41E-08	0.030207	0.51494	0.177362	0.00012	0.11702	0.01138
0.58244	0.038985	0.40061	0.070633	0.12746	0.078196	0.09143	0.179834	9.32E-05
0.64397	0.116398	0.01183	0.079507	0.08611	0.017701	0.70281	0.076656	0.09802
1.70E-05	0.463565	2.95E-26	0.374225	5.69E-17	0.410156	2.25E-20	0.377463	2.92E-17
6.28E-05	0.208838	5.33E-06	0.284174	4.00E-10	0.213046	3.40E-06	0.253535	2.77E-08
0.01098	0.289633	1.78E-10	0.2043	8.58E-06	0.207218	6.33E-06	0.279659	7.73E-10
3.40E-07	-0.00384	0.934	0.173476	0.00016	0.175612	0.00014	0.083705	0.07073
0.00032	0.064093	0.16674	0.114294	0.01346	0.085941	0.0635	-0.00105	0.98186
0.00021	0.228226	6.21E-07	0.157176	0.00065	0.130424	0.00476	0.241261	1.31E-07
1.72E-11	-0.31024	7.07E-12	-0.16729	0.00028	-0.21017	4.63E-06	-0.23296	3.56E-07

0.16147	0.124347	0.00714	0.056653	0.22171	0.00567	0.90274	0.066315	0.15248
0.02039	-0.20521	7.81E-06	-0.0682	0.14116	-0.14197	0.0021	0.11093	0.01648
5.05E-09	0.582678	8.30E-44	0.3225	9.18E-13	0.34725	1.11E-14	0.340383	3.94E-14
0.30602	0.032179	0.48786	0.154108	0.00083	0.134559	0.00358	0.060715	0.19028
7.46E-06	0.007714	0.86796	-0.01628	0.72574	0.031563	0.49624	0.009045	0.84544
0.12364	-0.09409	0.04212	0.083249	0.07229	-0.04904	0.29025	-0.04211	0.36384
0.00023	0.162407	0.00043	0.147499	0.00139	0.204932	8.04E-06	0.116602	0.01168
0.78752	0.280854	6.50E-10	0.168209	0.00026	0.216127	2.43E-06	0.143145	0.00193
3.10E-05	0.301139	3.03E-11	0.339084	4.98E-14	0.351928	4.62E-15	0.380927	1.42E-17
9.29E-09	0.419526	2.48E-21	0.406517	5.19E-20	0.379745	1.82E-17	0.39542	6.28E-19
0.00491	-0.1941	2.40E-05	-0.08937	0.0536	-0.1583	0.0006	-0.07378	0.11133
8.19E-13	0.578606	4.39E-43	0.542719	3.98E-37	0.501631	3.95E-31	0.506203	9.31E-32
6.09E-06	-0.19683	1.83E-05	-0.12188	0.00838	-0.15339	0.00088	-0.08887	0.05497
0.00017	0.008026	0.86267	0.093302	0.04388	0.094666	0.04087	0.064531	0.16385
0.8686	0.007407	0.87316	0.04113	0.37518	0.019232	0.67848	0.160546	0.0005
0.92804	0.031895	0.49171	0.155131	0.00077	0.102055	0.02743	0.127466	0.00581
0.02951	0.005211	0.91058	0.050603	0.27513	-0.01873	0.6865	0.096162	0.03777
0.00029	0.160458	0.0005	0.177046	0.00012	0.209853	4.79E-06	0.077068	0.09622
0.28889	-0.1258	0.00649	-0.19947	1.41E-05	-0.21457	2.88E-06	-0.13165	0.00437
0.58146	-0.15641	0.00069	-0.1025	0.02677	-0.16114	0.00047	-0.20747	6.16E-06
0.56115	-0.04704	0.31039	-0.05714	0.21777	-0.11336	0.01424	0.029131	0.53002
0.00091	0.370974	1.10E-16	0.22853	5.99E-07	0.294437	8.57E-11	0.353807	3.23E-15
0.77985	0.004119	0.92926	0.089176	0.05413	0.05578	0.22893	0.134676	0.00355
0.99378	0.085067	0.06625	0.036129	0.43603	0.018552	0.68925	-0.09673	0.03664
0.14972	0.301829	2.72E-11	0.157046	0.00066	0.226649	7.45E-07	0.188732	4.05E-05
2.19E-13	-0.12681	0.00607	-0.03745	0.41937	-0.0172	0.71088	-0.23539	2.67E-07
0.00749	0.291276	1.39E-10	0.257794	1.59E-08	0.213069	3.39E-06	0.248115	5.55E-08
0.00022	0.593469	8.96E-46	0.315548	2.95E-12	0.383147	8.88E-18	0.361567	7.20E-16
0.16792	0.127702	0.00572	0.065016	0.1607	0.087225	0.05963	0.203815	9.02E-06
0.00561	-0.00241	0.9585	0.178986	0.0001	0.22774	6.56E-07	0.11931	0.00986
0.56728	0.191817	3.01E-05	0.145632	0.0016	0.179562	9.55E-05	0.209417	5.02E-06
0.1986	-0.08374	0.07062	-0.04646	0.31643	-0.12638	0.00624	-0.08844	0.05615
7.53E-13	0.22136	1.36E-06	0.217742	2.03E-06	0.099189	0.03211	0.25955	1.26E-08
0.7624	0.149197	0.00122	0.19902	1.47E-05	0.214826	2.80E-06	0.208507	5.52E-06
0.19396	0.007508	0.87145	-0.05212	0.26095	-0.07581	0.10179	-0.07196	0.12043
5.28E-06	0.058611	0.20613	0.060761	0.18994	0.138851	0.00264	0.078763	0.0891
2.83E-10	-0.02626	0.57142	0.027177	0.55799	0.066582	0.15083	0.046275	0.31835
0.41942	0.16231	0.00043	0.159743	0.00053	0.162369	0.00043	0.101594	0.02814
4.28E-11	0.341419	3.26E-14	0.375754	4.15E-17	0.409533	2.60E-20	0.479483	3.20E-28
0.00587	0.075324	0.10401	0.177901	0.00011	0.098383	0.03354	0.130836	0.00463
0.00091	0.267798	4.12E-09	0.22166	1.31E-06	0.245512	7.71E-08	0.196245	1.94E-05
0.38729	-0.08159	0.07818	-0.05176	0.26432	-0.03544	0.44482	-0.13086	0.00462
4.54E-10	0.117021	0.01138	0.028654	0.53678	0.275262	1.45E-09	0.015154	0.74395
0.91119	0.00586	0.8995	-0.03328	0.47315	0.002636	0.9547	0.173928	0.00016
4.52E-09	0.344553	1.83E-14	0.345602	1.51E-14	0.343007	2.44E-14	0.426283	4.83E-22

2.95E-17	-0.37172	9.48E-17	-0.25481	2.35E-08	-0.23805	1.93E-07	-0.27922	8.23E-10
0.02365	0.029276	0.52798	0.103145	0.02582	0.063379	0.17152	0.194632	2.28E-05
0.04189	0.034242	0.46038	0.030708	0.50798	0.050512	0.27601	0.08545	0.06503
0.0048	0.257228	1.71E-08	0.240625	1.41E-07	0.204486	8.42E-06	0.293892	9.32E-11
0.0549	0.074625	0.10727	0.015426	0.73952	-0.00413	0.92913	0.074846	0.10623
1.66E-09	0.101916	0.02765	0.024481	0.5977	0.081181	0.07968	-0.06475	0.16243
0.00058	0.189473	3.77E-05	0.132448	0.00414	0.149626	0.00118	0.299855	3.71E-11
0.73321	0.094229	0.04181	0.053151	0.25166	0.024728	0.59401	0.104712	0.02364
0.03172	0.130553	0.00472	0.227208	6.98E-07	0.165002	0.00034	0.166269	0.00031
4.25E-07	-0.15569	0.00074	-0.16781	0.00027	-0.18743	4.59E-05	-0.22489	9.12E-07
6.40E-12	0.142266	0.00206	0.096806	0.0365	0.024135	0.60289	0.261145	1.02E-08
0.02201	-0.0973	0.03554	-0.04974	0.28344	-0.13347	0.00386	0.026773	0.56386
0.00028	0.180461	8.80E-05	0.083787	0.07045	0.064508	0.164	0.234415	3.00E-07
1.02E-06	0.23649	2.34E-07	0.257432	1.66E-08	0.430542	1.69E-22	0.004711	0.91912
3.11E-09	0.036248	0.43452	-0.07744	0.09462	-0.02655	0.56715	-0.14075	0.0023
0.00909	0.11569	0.01236	0.088918	0.05483	0.022179	0.6326	0.019408	0.67571
0.0005	0.322665	8.92E-13	0.160918	0.00048	0.19855	1.54E-05	0.193265	2.61E-05
0.56192	0.052857	0.2543	0.059423	0.1999	0.063343	0.17176	0.29979	3.74E-11
1.55E-11	0.511258	1.84E-32	0.320469	1.30E-12	0.365283	3.46E-16	0.383033	9.10E-18
1.97E-08	0.134096	0.00369	0.078152	0.09162	0.262233	8.78E-09	-0.00261	0.95521
0.88723	0.315239	3.11E-12	0.355529	2.32E-15	0.294624	8.33E-11	0.144156	0.00179
0.00799	0.171532	0.0002	0.056721	0.22116	0.100695	0.02958	0.088581	0.05576
0.01414	-0.08308	0.07286	0.007073	0.87884	-0.03761	0.41744	-0.01942	0.67555
1.99E-07	-0.22881	5.79E-07	-0.19902	1.47E-05	-0.15688	0.00067	-0.12599	0.0064
0.56618	0.238864	1.75E-07	0.148501	0.00129	0.152959	0.00091	0.092962	0.04465
0.49839	0.053537	0.24823	-1.96E-05	0.99966	-0.07109	0.12499	0.032633	0.48175
3.71E-07	0.267838	4.10E-09	0.127378	0.00584	0.149538	0.00119	0.289649	1.77E-10
5.47E-05	-0.16312	0.0004	-0.26408	6.84E-09	-0.24828	5.44E-08	-0.15238	0.00095
0.10941	0.026892	0.56212	-0.07265	0.11689	-0.10881	0.01867	0.004401	0.92443
7.94E-19	0.02233	0.63029	-0.00936	0.8401	0.115569	0.01245	-0.04675	0.31335
6.56E-12	0.325474	5.51E-13	0.070081	0.13046	0.136288	0.00317	0.282684	4.98E-10
0.01926	0.181967	7.66E-05	0.189678	3.70E-05	0.273717	1.80E-09	0.179331	9.75E-05
8.43E-18	0.386462	4.39E-18	0.283904	4.16E-10	0.247099	6.31E-08	0.531755	1.91E-35
2.74E-14	0.134778	0.00352	0.143555	0.00187	0.10379	0.0249	0.288781	2.02E-10
4.25E-06	0.166418	0.0003	0.103754	0.02495	0.125594	0.00658	0.196261	1.94E-05
0.85128	-0.12147	0.0086	0.061831	0.18224	-0.03049	0.51096	0.06629	0.15264
0.00381	-0.24582	7.42E-08	-0.1385	0.0027	-0.23168	4.15E-07	-0.11608	0.01206
0.23458	-0.13995	0.00244	-0.0387	0.40411	-0.04502	0.33164	-0.21275	3.51E-06
0.04173	0.025962	0.57572	0.144336	0.00177	0.050552	0.27562	0.413828	9.54E-21
0.13515	0.367089	2.41E-16	0.309212	8.35E-12	0.285131	3.47E-10	0.136804	0.00305
1.71E-19	-0.02831	0.54163	-0.04202	0.36487	-0.02087	0.65279	-0.28743	2.47E-10
0.84082	-0.16955	0.00023	-0.11318	0.0144	-0.14289	0.00197	0.008232	0.85918
0.00705	0.10838	0.01914	0.088391	0.05629	0.154087	0.00084	0.096617	0.03687
0.45933	0.01187	0.79808	0.151744	0.001	0.087671	0.05834	0.149104	0.00123
7.60E-13	0.5354	5.36E-36	0.331207	2.03E-13	0.309821	7.57E-12	0.428041	3.14E-22

0.07905	0.164612	0.00035	0.035761	0.44072	0.089746	0.05261	0.213323	3.30E-06
0.06506	-0.27737	1.07E-09	-0.16261	0.00042	-0.2133	3.31E-06	-0.02639	0.56946
0.31276	0.031021	0.50367	0.001232	0.97882	0.077288	0.09527	-0.01946	0.67494
0.0002	-0.11115	0.01626	-0.15027	0.00113	-0.13413	0.00369	-0.13518	0.00342
0.31357	0.268411	3.78E-09	0.202709	1.01E-05	0.247661	5.88E-08	0.150288	0.00112
0.0487	0.10867	0.01882	0.231601	4.18E-07	0.132768	0.00405	0.188288	4.23E-05
0.0003	0.146805	0.00147	-0.01196	0.79654	-0.05122	0.26935	0.068816	0.13757
9.23E-05	0.376711	3.41E-17	0.282809	4.89E-10	0.350082	6.54E-15	0.368462	1.83E-16
0.00077	0.270751	2.74E-09	0.235317	2.69E-07	0.225399	8.60E-07	-0.04848	0.29585
0.00055	0.244848	8.38E-08	0.136686	0.00308	0.147634	0.00138	0.267037	4.57E-09
3.16E-09	0.395019	6.86E-19	0.304558	1.76E-11	0.305156	1.60E-11	0.555189	4.09E-39
0.00183	0.325586	5.41E-13	0.271805	2.36E-09	0.268132	3.93E-09	0.304655	1.74E-11
9.75E-05	0.331209	2.03E-13	0.25027	4.22E-08	0.273303	1.91E-09	0.291309	1.38E-10
0.00017	0.034765	0.45356	0.026305	0.5707	0.046842	0.31245	0.016693	0.719
5.68E-10	0.038999	0.40044	0.046755	0.31334	0.090612	0.05036	0.10947	0.01796
0.81349	0.145941	0.00157	0.055674	0.22981	0.081063	0.08012	0.123155	0.00771
5.93E-17	0.483474	9.93E-29	0.333511	1.35E-13	0.366546	2.69E-16	0.468225	8.04E-27
3.55E-12	-0.048	0.30062	-0.11221	0.01527	-0.03735	0.42069	-0.19702	1.80E-05
0.2096	0.223362	1.08E-06	0.128084	0.00557	0.185641	5.43E-05	0.188049	4.32E-05
2.23E-06	0.003929	0.93251	-0.0437	0.34609	0.003084	0.94701	-0.04418	0.34081
0.79988	0.094722	0.04075	0.088314	0.05651	0.089089	0.05437	0.12788	0.00565
0.01413	0.117549	0.01101	0.101061	0.02899	0.134255	0.00365	0.151878	0.00099
9.60E-09	-0.06945	0.13399	-0.05311	0.25204	-0.04445	0.33778	-0.05161	0.26573
1.65E-06	-0.03011	0.51625	-0.01274	0.78361	0.079438	0.08638	0.010575	0.8197
0.00236	0.263648	7.26E-09	0.283573	4.37E-10	0.271807	2.36E-09	0.190653	3.37E-05
2.67E-08	0.005128	0.91199	-0.00172	0.97047	0.153561	0.00087	-0.00529	0.90928
0.41112	0.109212	0.01823	0.110036	0.01737	0.098358	0.03359	0.153016	0.00091
0.12268	0.225526	8.47E-07	0.083574	0.07117	0.128774	0.00532	0.144213	0.00178
0.0025	0.513814	8.00E-33	0.285753	3.17E-10	0.336195	8.39E-14	0.345508	1.54E-14
0.0748	-0.00547	0.90619	-0.02568	0.57991	-0.02524	0.58635	0.138599	0.00269
3.22E-13	0.088268	0.05664	0.05425	0.24197	0.095032	0.04009	-0.14505	0.00167
0.00774	-0.13739	0.00293	-0.08158	0.07821	-0.18908	3.92E-05	-0.21379	3.14E-06
1.22E-14	0.335478	9.53E-14	0.33593	8.79E-14	0.270999	2.64E-09	0.454638	3.36E-25
0.04298	0.013864	0.76508	0.053924	0.24482	-0.01263	0.78549	0.154431	0.00081
2.11E-08	-0.0823	0.07562	-0.14349	0.00188	-0.1929	2.70E-05	0.07344	0.11298
9.19E-11	0.074469	0.10801	0.040417	0.38352	0.091585	0.04793	-0.07375	0.11147
0.02064	-0.14081	0.00229	-0.05511	0.23458	-0.12522	0.00674	-0.06824	0.14088
0.00053	0.009657	0.83512	0.125546	0.0066	0.047752	0.30312	-0.04546	0.32696
7.26E-06	-0.17367	0.00016	-0.18097	8.39E-05	-0.1433	0.00191	-0.03491	0.4517
0.0894	0.05632	0.22445	0.004786	0.91784	0.07998	0.08425	0.202466	1.04E-05
0.00012	0.156275	0.0007	0.129028	0.00523	0.081885	0.0771	0.225544	8.45E-07
0.00678	-0.20982	4.81E-06	-0.01898	0.68244	-0.11919	0.00994	-0.04406	0.34214
0.10314	-0.03941	0.39554	-0.03258	0.48248	0.013207	0.77591	0.143147	0.00193
0.84963	0.137109	0.00299	0.088122	0.05705	0.123495	0.00754	0.211358	4.08E-06
2.05E-05	0.262495	8.48E-09	0.211148	4.17E-06	0.166394	0.0003	0.225394	8.60E-07

4.75E-12	0.349811	6.88E-15	0.246515	6.80E-08	0.19223	2.89E-05	0.364397	4.12E-16
0.00699	0.064662	0.163	0.169456	0.00023	0.21994	1.59E-06	0.104204	0.02432
0.66226	-0.23269	3.68E-07	-0.06178	0.18262	-0.17462	0.00015	-0.01415	0.76046
0.00449	-0.05247	0.25784	-0.13181	0.00433	-0.12102	0.00885	-0.30106	3.07E-11
7.68E-08	0.289301	1.87E-10	0.265749	5.45E-09	0.263587	7.32E-09	0.247709	5.85E-08
0.45527	0.230991	4.49E-07	0.315248	3.10E-12	0.344272	1.93E-14	0.226085	7.95E-07
1.36E-13	-0.29691	5.86E-11	-0.14388	0.00183	-0.2087	5.41E-06	-0.27618	1.27E-09
4.69E-07	-0.15254	0.00094	-0.19282	2.73E-05	-0.21563	2.57E-06	-0.23811	1.92E-07
0.46239	0.2877	2.37E-10	0.060036	0.19529	0.139257	0.00256	0.075326	0.104
1.92E-05	-0.19977	1.36E-05	0.010527	0.8205	-0.03715	0.42321	-0.05082	0.27307
7.63E-05	-0.20192	1.10E-05	-0.11394	0.01375	-0.09092	0.04957	-0.1637	0.00038
0.01723	0.210215	4.61E-06	0.104579	0.02381	0.079487	0.08619	-0.01889	0.68388
9.00E-08	0.204007	8.85E-06	0.182678	7.17E-05	0.157261	0.00065	0.245557	7.67E-08
1.48E-19	-0.27417	1.69E-09	-0.1406	0.00232	-0.22681	7.31E-07	-0.23187	4.05E-07
0.27938	0.146832	0.00146	0.156447	0.00069	0.214995	2.75E-06	0.092302	0.0462
0.25017	0.227297	6.91E-07	0.097118	0.0359	0.115805	0.01227	-0.07306	0.11485
0.00015	-0.00525	0.90995	0.026634	0.56588	0.008151	0.86055	0.063488	0.17078
2.79E-17	0.018567	0.68902	0.026612	0.56621	0.105747	0.02228	-0.19021	3.51E-05
0.03659	0.202768	1.01E-05	0.193142	2.64E-05	0.292635	1.13E-10	0.111217	0.0162
0.04982	-0.11892	0.01011	-0.04943	0.28642	-0.10232	0.02703	0.049476	0.28599
1.70E-20	0.030633	0.50902	0.068993	0.13656	0.12054	0.00912	-0.05893	0.20368
4.65E-09	0.410321	2.16E-20	0.245977	7.27E-08	0.291679	1.30E-10	0.405364	6.76E-20
0.8011	0.155088	0.00077	0.127216	0.00591	0.154896	0.00078	0.222583	1.18E-06
1.94E-05	-0.12958	0.00504	0.024559	0.59653	-0.00151	0.974	0.027181	0.55792
0.0018	0.015649	0.7359	0.135897	0.00326	0.117675	0.01093	0.02851	0.53883
0.91123	0.056207	0.22538	0.088326	0.05647	0.063135	0.17318	0.161381	0.00046
3.65E-12	-0.25927	1.31E-08	-0.10121	0.02875	-0.17011	0.00022	-0.22339	1.08E-06
0.8216	0.096875	0.03637	0.170851	0.00021	0.152397	0.00095	0.175211	0.00014
5.45E-17	-0.17697	0.00012	-0.08461	0.06773	-0.11956	0.00971	-0.18413	6.26E-05
0.20208	0.373813	6.19E-17	0.333203	1.43E-13	0.413377	1.06E-20	0.356833	1.81E-15
0.05395	0.286016	3.05E-10	0.222476	1.20E-06	0.288656	2.06E-10	0.335187	1.00E-13
0.98448	0.204478	8.42E-06	0.31933	1.57E-12	0.272442	2.16E-09	0.236412	2.36E-07
0.56179	0.195436	2.11E-05	0.183232	6.81E-05	0.212098	3.77E-06	0.122743	0.00792
0.03157	-0.14075	0.0023	-0.11599	0.01213	-0.09907	0.03232	-0.04373	0.34568
0.00845	0.180131	9.07E-05	0.099502	0.03157	0.101554	0.02821	0.189751	3.67E-05
0.74021	0.180815	8.52E-05	0.073465	0.11286	0.138552	0.00269	0.154002	0.00084
0.0164	0.334386	1.16E-13	0.147309	0.00141	0.136373	0.00315	-0.00526	0.90972
0.00037	0.233435	3.37E-07	0.159936	0.00052	0.108331	0.0192	0.103235	0.02569
0.31106	0.210873	4.29E-06	0.231639	4.16E-07	0.164492	0.00036	0.336932	7.35E-14
1.90E-07	-0.09091	0.04961	0.110016	0.01739	-0.05637	0.224	0.169802	0.00023
8.58E-06	-0.05142	0.26748	-0.12038	0.00921	-0.08338	0.07184	0.067293	0.14651
0.29208	0.408975	2.95E-20	0.259591	1.25E-08	0.329652	2.67E-13	0.272862	2.04E-09
0.01821	0.033501	0.47016	-0.04257	0.3587	-0.04779	0.3027	0.220703	1.46E-06
0.36268	0.248104	5.56E-08	0.216523	2.33E-06	0.210511	4.46E-06	0.152476	0.00095
0.89294	0.079341	0.08677	0.047302	0.30771	0.053599	0.24768	0.144795	0.00171



0.02203	0.20202	1.09E-05	0.226938	7.20E-07	0.206406	6.89E-06	0.203786	9.05E-06
1.01E-08	0.49553	2.63E-30	0.334128	1.21E-13	0.465985	1.51E-26	0.419592	2.44E-21
0.06046	0.128793	0.00531	-0.00424	0.92724	-0.00569	0.90236	0.095268	0.0396
0.96296	0.204107	8.75E-06	0.298273	4.74E-11	0.256572	1.86E-08	0.273108	1.97E-09
7.29E-19	-0.02029	0.66194	-0.06486	0.16173	0.083098	0.07281	-0.12612	0.00635
3.49E-16	-0.22264	1.18E-06	-0.09871	0.03295	-0.07323	0.11402	-0.25447	2.45E-08
0.95489	0.063783	0.1688	-0.03501	0.45038	-0.00475	0.91853	0.097983	0.03427
3.70E-14	0.406066	5.76E-20	0.319532	1.52E-12	0.332696	1.56E-13	0.418488	3.17E-21
0.00451	-0.33286	1.52E-13	-0.12127	0.00871	-0.20409	8.77E-06	-0.15487	0.00078
0.07843	0.193977	2.43E-05	0.018613	0.68828	0.110591	0.01681	0.001826	0.96861
0.37314	0.11419	0.01354	-0.00403	0.93082	-0.00673	0.8847	-0.0698	0.132
0.85517	-0.09022	0.05135	-0.04638	0.31729	-0.02944	0.52562	0.029585	0.52363
0.00054	-0.25657	1.87E-08	-0.1287	0.00535	-0.15427	0.00082	-0.21518	2.70E-06
4.76E-09	-0.12974	0.00498	-0.12087	0.00894	-0.16514	0.00034	-0.31233	5.02E-12
5.24E-12	0.383674	7.94E-18	0.401922	1.47E-19	0.368865	1.69E-16	0.486029	4.65E-29
0.00139	0.0906	0.05039	0.126574	0.00616	0.101776	0.02786	-0.03155	0.49643
0.13971	-0.17643	0.00013	-0.02226	0.63138	-0.19906	1.47E-05	-0.08408	0.06947
0.00341	0.61779	1.72E-50	0.44543	3.84E-24	0.534878	6.44E-36	0.4413	1.12E-23
4.13E-08	-0.08317	0.07256	-0.00595	0.89797	-0.09238	0.04601	0.123821	0.00739
0.91055	0.182423	7.34E-05	0.024337	0.59987	0.090515	0.0506	0.098322	0.03365
0.00148	0.063434	0.17115	0.138672	0.00267	0.035691	0.44162	0.175246	0.00014
0.00333	-0.02829	0.54194	-0.05653	0.22274	-0.02533	0.58502	-0.05174	0.26451
0.00491	0.05202	0.2619	0.031128	0.50219	0.029432	0.52578	0.21487	2.79E-06
1.55E-05	0.321665	1.06E-12	0.146423	0.00151	0.190842	3.31E-05	0.212579	3.58E-06
0.00782	0.396447	5.01E-19	0.291988	1.25E-10	0.322603	9.02E-13	0.267441	4.33E-09
2.71E-09	-0.16086	0.00048	-0.19518	2.16E-05	-0.14964	0.00118	-0.11195	0.01551
0.02063	0.066684	0.15021	0.116708	0.0116	0.150549	0.0011	0.081082	0.08005
0.39097	0.212286	3.69E-06	0.122837	0.00787	0.104256	0.02425	0.172062	0.00019
3.46E-13	-0.10155	0.02821	-0.02059	0.65719	-0.01206	0.79485	-0.08772	0.05819
0.00011	0.391287	1.55E-18	0.250515	4.09E-08	0.213551	3.22E-06	0.239127	1.70E-07
3.04E-16	0.338115	5.94E-14	0.371208	1.05E-16	0.368958	1.66E-16	0.451303	8.19E-25
0.00099	0.148993	0.00124	0.101733	0.02793	0.000597	0.98973	0.052751	0.25525
0.01277	0.32226	9.56E-13	0.164542	0.00036	0.175949	0.00013	-0.00704	0.87946
0.2997	0.069868	0.13164	0.17631	0.00013	0.117754	0.01087	0.065268	0.15908
0.7564	0.09593	0.03824	0.161727	0.00045	0.159135	0.00056	0.229575	5.30E-07
4.79E-08	0.180699	8.61E-05	0.247704	5.85E-08	0.161971	0.00044	0.356833	1.81E-15
0.16377	0.197978	1.64E-05	0.10349	0.02532	0.092845	0.04492	0.176286	0.00013
3.55E-06	0.249157	4.87E-08	0.235584	2.60E-07	0.203262	9.55E-06	0.343669	2.16E-14
0.99918	0.115229	0.01271	0.083316	0.07206	0.09501	0.04014	0.145195	0.00166
0.01946	0.382632	9.90E-18	0.291633	1.31E-10	0.368008	2.01E-16	0.254949	2.31E-08
3.13E-09	0.335265	9.90E-14	0.339925	4.28E-14	0.324452	6.57E-13	0.362309	6.22E-16
0.23494	0.262921	8.01E-09	0.119603	0.00968	0.187629	4.50E-05	0.129539	0.00505
0.00304	-0.06582	0.1556	-0.01027	0.82483	-0.06738	0.14597	-0.04857	0.29487
0.00738	0.027371	0.55519	0.152492	0.00095	0.074737	0.10674	0.071003	0.12547
0.51415	0.40546	6.61E-20	0.22209	1.25E-06	0.307466	1.11E-11	0.14026	0.00238

1.52E-08	0.31936	1.56E-12	0.218225	1.93E-06	0.286023	3.05E-10	0.234858	2.84E-07
0.05679	0.282637	5.01E-10	0.203571	9.25E-06	0.214017	3.06E-06	0.226451	7.62E-07
2.21E-07	0.185064	5.74E-05	0.139549	0.00251	0.099724	0.03119	0.373243	6.95E-17
0.00099	0.092932	0.04472	0.019244	0.67829	0.084186	0.06912	0.024386	0.59912
0.02309	0.206976	6.49E-06	0.214539	2.89E-06	0.234193	3.08E-07	0.233389	3.38E-07
0.00011	-0.05376	0.24622	0.043483	0.34845	-0.10697	0.02078	0.016757	0.71796
7.35E-08	0.117131	0.0113	0.081271	0.07935	0.037817	0.41489	0.268441	3.77E-09
0.00114	0.229054	5.64E-07	0.261653	9.49E-09	0.288561	2.09E-10	0.284062	4.07E-10
0.51527	-0.07659	0.0983	0.030255	0.51427	-0.01579	0.73369	0.058578	0.20638
0.71943	-0.09145	0.04826	-0.08039	0.08266	-0.10358	0.02519	-0.07061	0.1276
1.86E-07	0.002267	0.96104	0.002431	0.95821	0.064025	0.16719	-0.01218	0.79297
0.00092	-0.25253	3.16E-08	-0.12754	0.00578	-0.10592	0.02206	-0.03107	0.50299
6.86E-08	0.040785	0.3792	-0.08291	0.07346	-0.05817	0.20956	-0.06334	0.1718
9.12E-11	0.023104	0.61848	0.068278	0.14068	0.083939	0.06994	-0.05426	0.24191
0.01154	-0.10002	0.03069	-0.14283	0.00197	-0.27499	1.51E-09	-0.12595	0.00642
7.31E-08	-0.06608	0.15397	-0.12418	0.00722	-0.00468	0.91959	0.023501	0.61246
0.3375	-0.20412	8.75E-06	-0.09837	0.03356	-0.14232	0.00205	-0.11459	0.01322
4.51E-06	-0.00069	0.98818	-0.08774	0.05813	-0.08737	0.05922	-0.1709	0.00021
0.00064	0.17787	0.00011	0.072071	0.11987	0.250309	4.20E-08	0.034225	0.46061
1.20E-06	0.418512	3.15E-21	0.329239	2.87E-13	0.281343	6.05E-10	0.311574	5.69E-12
1.29E-07	0.317551	2.12E-12	0.287162	2.57E-10	0.307956	1.02E-11	0.383987	7.43E-18
0.00025	0.144143	0.00179	0.169934	0.00022	0.118532	0.01036	0.26767	4.19E-09
4.10E-33	-0.19743	1.73E-05	-0.0547	0.23812	-0.05877	0.20487	-0.30353	2.08E-11
1.12E-16	0.344109	1.99E-14	0.222557	1.19E-06	0.200074	1.32E-05	0.222814	1.15E-06
1.18E-07	0.214089	3.04E-06	0.179349	9.74E-05	0.275563	1.39E-09	0.187022	4.77E-05
0.5905	0.303418	2.11E-11	0.215651	2.56E-06	0.252138	3.32E-08	0.177531	0.00011
0.01244	0.110176	0.01723	-0.08485	0.06694	-0.0729	0.11564	0.097731	0.03474
0.06822	0.364847	3.77E-16	0.164903	0.00035	0.19947	1.41E-05	0.346382	1.31E-14
4.74E-08	0.535695	4.84E-36	0.436621	3.69E-23	0.444302	5.15E-24	0.394299	8.04E-19
3.61E-05	0.288881	1.99E-10	0.37083	1.14E-16	0.433746	7.62E-23	0.431122	1.47E-22
0.34715	-0.02991	0.5191	-0.02889	0.53348	-0.11537	0.0126	0.160751	0.00049
9.56E-10	0.422512	1.21E-21	0.357869	1.48E-15	0.349329	7.54E-15	0.387855	3.26E-18
0.03484	-0.08389	0.07009	0.216612	2.30E-06	0.083133	0.07268	0.058877	0.20407
0.00024	0.143194	0.00192	0.155804	0.00073	0.168181	0.00026	-0.01917	0.67943
3.01E-05	0.127858	0.00566	0.137459	0.00291	0.050552	0.27562	0.25497	2.30E-08
0.29908	-0.03575	0.4408	0.075176	0.1047	-0.01467	0.7518	0.064678	0.16289
0.00089	0.252023	3.37E-08	0.142934	0.00196	0.130111	0.00486	0.243062	1.05E-07
4.60E-09	-0.04176	0.36787	0.03544	0.44484	0.088926	0.05481	-0.09102	0.04933
3.15E-15	-0.15426	0.00082	-0.08514	0.06602	-0.04135	0.37262	-0.21615	2.42E-06
0.9334	0.084392	0.06844	0.195443	2.11E-05	0.212738	3.51E-06	0.136135	0.0032
0.04432	0.07516	0.10477	0.068745	0.13798	0.059199	0.2016	0.100693	0.02958
0.06164	-0.04537	0.32794	0.032858	0.47873	-0.01158	0.80297	0.03833	0.40857
0.1128	0.278928	8.59E-10	0.120948	0.00889	0.127007	0.00599	0.136642	0.00309
0.34383	-0.07251	0.1176	0.009904	0.83097	-0.02241	0.6291	0.029844	0.52
0.01926	0.271825	2.35E-09	0.115258	0.01269	0.242032	1.19E-07	0.196679	1.86E-05

1.78E-09	0.010707	0.81749	-0.12593	0.00643	-0.10859	0.01891	-0.24328	1.02E-07
5.70E-12	0.268236	3.88E-09	0.204267	8.61E-06	0.106818	0.02096	0.24029	1.47E-07
2.11E-10	0.079816	0.0849	0.036355	0.43316	0.154361	0.00082	-0.12068	0.00904
0.11351	0.334336	1.17E-13	0.299828	3.72E-11	0.254407	2.47E-08	0.183987	6.35E-05
1.92E-08	0.418923	2.86E-21	0.306554	1.28E-11	0.309297	8.24E-12	0.342826	2.52E-14
0.04833	0.340484	3.87E-14	0.24604	7.21E-08	0.186889	4.83E-05	0.197722	1.68E-05
9.49E-05	0.144673	0.00172	0.066615	0.15063	0.005107	0.91236	0.193721	2.50E-05
0.85557	-0.01999	0.66659	0.095813	0.03848	0.03174	0.49382	0.27851	9.12E-10
0.52561	-0.24007	1.51E-07	-0.11975	0.00959	-0.21686	2.24E-06	-0.00698	0.8804
0.00431	-0.27766	1.03E-09	-0.24198	1.20E-07	-0.30843	9.47E-12	-0.11197	0.01549
0.26019	0.000109	0.99812	0.067405	0.14584	0.006296	0.89207	0.10027	0.03027
0.25259	0.222038	1.26E-06	0.319374	1.56E-12	0.307335	1.13E-11	0.235003	2.79E-07
3.65E-12	-0.32269	8.88E-13	-0.10936	0.01808	-0.14152	0.00217	-0.11631	0.01189
0.00038	-0.04729	0.30784	-0.025	0.58989	0.095227	0.03968	-0.08027	0.08314
1.70E-05	0.171218	0.0002	-0.00162	0.97206	0.20812	5.75E-06	-0.07571	0.10224
6.55E-09	0.450596	9.89E-25	0.350915	5.59E-15	0.285791	3.15E-10	0.453683	4.34E-25
0.00038	0.049976	0.28113	-0.0121	0.79418	0.047178	0.30898	-0.1268	0.00607
2.23E-05	0.00168	0.97112	0.062768	0.1757	-0.02484	0.59239	0.159241	0.00055
1.21E-05	-0.14897	0.00124	-0.07606	0.10068	-0.04318	0.35177	-0.23776	2.00E-07
9.16E-15	-0.14659	0.00149	-0.06145	0.18495	-0.00328	0.94358	-0.2477	5.86E-08
0.01163	0.274434	1.63E-09	0.115369	0.0126	0.161626	0.00045	0.230235	4.91E-07
0.62196	-0.2127	3.53E-06	-0.05585	0.22839	-0.137	0.00301	0.035342	0.4461
6.57E-06	0.052382	0.25859	0.115681	0.01236	0.040908	0.37776	0.114849	0.01301
2.52E-06	-0.11227	0.01521	-0.02524	0.58634	-0.02535	0.58478	-0.07847	0.09028
6.61E-10	0.139669	0.00249	-0.04086	0.37828	0.011993	0.79603	-0.10516	0.02304
0.00463	0.383467	8.30E-18	0.275794	1.34E-09	0.37098	1.10E-16	0.309056	8.57E-12
3.25E-07	-0.21945	1.68E-06	-0.20369	9.14E-06	-0.22256	1.19E-06	-0.15018	0.00113
0.00138	-0.1248	0.00693	-0.06519	0.15959	-0.15093	0.00107	-0.16175	0.00045
0.0067	-0.11189	0.01556	-0.06307	0.17365	-0.19604	1.99E-05	0.12551	0.00661
0.00579	-0.12944	0.00509	0.056435	0.2235	5.61E-05	0.99904	-0.09923	0.03205
6.67E-06	0.050434	0.27674	0.066032	0.15425	0.105567	0.02251	-0.05905	0.20272
3.17E-06	-0.20617	7.06E-06	-0.13715	0.00298	-0.148	0.00134	-0.07216	0.11941
8.84E-15	0.363496	4.92E-16	0.240125	1.50E-07	0.203945	8.90E-06	0.305391	1.54E-11
0.02016	-0.16006	0.00052	-0.22864	5.91E-07	-0.30494	1.66E-11	0.134335	0.00363
0.72176	0.104335	0.02414	0.077351	0.095	0.055056	0.23504	-0.02443	0.59849
6.66E-06	-0.21814	1.95E-06	-0.20017	1.31E-05	-0.19796	1.64E-05	-0.16125	0.00047
8.95E-16	0.392144	1.29E-18	0.484603	7.11E-29	0.456435	2.07E-25	0.498593	1.02E-30
4.22E-09	-0.18628	5.12E-05	-0.10703	0.0207	-0.16709	0.00029	-0.19874	1.51E-05
5.33E-26	-0.27469	1.57E-09	-0.06166	0.18348	-0.14752	0.00139	-0.24476	8.47E-08
1.85E-20	0.420641	1.90E-21	0.408802	3.07E-20	0.351578	4.93E-15	0.403803	9.64E-20
5.75E-06	0.09189	0.04719	0.06543	0.15805	0.055391	0.2322	0.01435	0.7571
0.05186	0.38168	1.21E-17	0.199139	1.45E-05	0.225075	8.92E-07	0.20183	1.11E-05
0.0772	0.412081	1.44E-20	0.252008	3.38E-08	0.351942	4.60E-15	0.280454	6.89E-10
0.00323	0.227246	6.95E-07	0.298884	4.31E-11	0.282456	5.15E-10	0.320488	1.29E-12
0.00426	0.104309	0.02418	0.137391	0.00293	0.055647	0.23004	0.03282	0.47923

0.35896	0.272294	2.20E-09	0.255824	2.06E-08	0.212048	3.79E-06	0.218982	1.77E-06
2.29E-05	-0.00993	0.83053	-0.02943	0.52586	0.176429	0.00013	-0.09454	0.04115
0.85568	-0.11563	0.0124	-0.17054	0.00021	-0.26693	4.64E-09	-0.09681	0.0365
0.00011	-0.29589	6.86E-11	-0.23956	1.61E-07	-0.2548	2.35E-08	-0.16315	0.0004
0.00808	0.017236	0.71026	-0.02681	0.56333	-0.03871	0.40389	-0.15049	0.00111
1.57E-10	-0.38187	1.16E-17	-0.2918	1.28E-10	-0.32615	4.90E-13	-0.30358	2.06E-11
0.09744	0.114288	0.01346	0.082754	0.074	0.089687	0.05276	0.217607	2.07E-06
0.01442	-0.28603	3.04E-10	-0.12767	0.00573	-0.27557	1.39E-09	-0.18198	7.65E-05
1.72E-07	-0.35235	4.26E-15	-0.27312	1.96E-09	-0.27053	2.82E-09	-0.2986	4.50E-11
0.11614	-0.11459	0.01322	-0.05222	0.26007	-0.05836	0.20804	0.046779	0.3131
0.02279	0.144544	0.00174	0.225974	8.05E-07	0.173819	0.00016	0.220983	1.42E-06
0.0064	0.357685	1.53E-15	0.389007	2.54E-18	0.396999	4.43E-19	0.326674	4.48E-13
3.70E-07	0.101516	0.02827	0.192864	2.72E-05	0.065839	0.15546	0.205195	7.82E-06
0.00456	0.19263	2.78E-05	0.319736	1.47E-12	0.253775	2.69E-08	0.278577	9.03E-10
0.11975	0.068534	0.1392	0.049799	0.28285	0.094983	0.04019	0.090814	0.04984
2.79E-06	-0.16364	0.00038	-0.11036	0.01704	-0.07128	0.12401	-0.00676	0.88421
0.55296	0.09342	0.04361	0.038985	0.40061	0.112943	0.01461	0.083623	0.07101
0.02392	-0.15146	0.00103	-0.10112	0.02889	-0.17475	0.00015	-0.08377	0.0705
2.62E-12	-0.42555	5.79E-22	-0.22913	5.58E-07	-0.24523	7.99E-08	-0.23841	1.85E-07
0.03217	-0.22057	1.49E-06	-0.18147	8.02E-05	-0.20341	9.40E-06	-0.15879	0.00057
3.47E-08	0.103253	0.02566	0.094393	0.04146	-0.0072	0.8766	0.223689	1.04E-06
0.00142	0.201621	1.13E-05	0.245394	7.82E-08	0.179714	9.42E-05	0.172579	0.00018
2.34E-05	0.114971	0.01291	0.084491	0.06812	0.085605	0.06455	0.26333	7.58E-09
2.87E-08	0.157006	0.00066	0.078059	0.092	0.064036	0.16711	0.253108	2.93E-08
1.52E-08	-0.30375	2.01E-11	-0.07012	0.13023	-0.09308	0.04437	-0.05985	0.19668
4.04E-06	0.029467	0.52528	0.023145	0.61786	0.033495	0.47023	0.017166	0.71139
0.0907	-0.07982	0.08488	0.038958	0.40093	-0.08049	0.08229	0.082505	0.07488
0.76775	-0.08469	0.06747	0.093507	0.04341	0.033477	0.47047	0.080424	0.08254
0.53953	0.042426	0.3603	0.010437	0.82202	-0.07672	0.09774	-0.03685	0.42694
3.08E-05	-0.03774	0.41586	-0.16392	0.00038	-0.11426	0.01349	-0.11314	0.01443
2.56E-15	0.4907	1.15E-29	0.345645	1.50E-14	0.293463	9.95E-11	0.452356	6.19E-25
0.44104	-0.10453	0.02388	-0.05358	0.24788	-0.08799	0.05743	0.023289	0.61566
0.44494	-0.15702	0.00066	0.010875	0.81468	-0.10681	0.02097	0.00966	0.83507
0.76538	-0.06971	0.13251	0.062857	0.17508	-0.04154	0.37045	0.034342	0.45908
1.27E-05	0.237807	1.99E-07	0.259443	1.28E-08	0.19917	1.45E-05	0.382505	1.02E-17
0.51989	0.04255	0.3589	0.051196	0.26954	-0.01911	0.68047	0.254619	2.41E-08
0.01461	0.05924	0.20129	0.080233	0.08327	0.047662	0.30404	0.068373	0.14013
2.19E-14	-0.16239	0.00043	-0.10489	0.02339	-0.1298	0.00497	-0.12229	0.00816
0.22586	0.113253	0.01434	0.152662	0.00093	0.126686	0.00612	0.247997	5.64E-08
1.79E-05	0.459637	8.68E-26	0.375744	4.16E-17	0.416555	5.02E-21	0.422585	1.19E-21
0.46462	-0.02868	0.53647	0.022865	0.62211	0.025938	0.57608	0.043356	0.34986
0.22764	-0.05851	0.20692	-0.05988	0.19643	-0.05819	0.20941	-0.03926	0.39732
4.10E-05	0.369113	1.61E-16	0.269752	3.14E-09	0.322988	8.44E-13	0.366592	2.66E-16
0.00101	0.51142	1.74E-32	0.208116	5.76E-06	0.329335	2.82E-13	0.245511	7.71E-08
0.08926	0.128117	0.00556	0.106995	0.02074	0.105824	0.02219	0.103609	0.02515

0.01317	0.146777	0.00147	0.221436	1.35E-06	0.295197	7.63E-11	0.137411	0.00292
0.00026	-0.0671	0.14767	-0.05986	0.19658	-0.04676	0.31328	-0.1074	0.02026
0.00753	-0.09486	0.04047	-0.00776	0.86712	-0.12393	0.00733	0.009998	0.82939
0.00012	-0.08088	0.08081	-0.1284	0.00545	-0.17451	0.00015	0.088917	0.05484
0.00018	0.4312	1.44E-22	0.276302	1.25E-09	0.34831	9.12E-15	0.319601	1.50E-12
2.06E-09	0.431576	1.31E-22	0.325875	5.15E-13	0.380169	1.66E-17	0.452954	5.28E-25
0.00218	0.400978	1.82E-19	0.37263	7.88E-17	0.366996	2.46E-16	0.318438	1.82E-12
0.00014	0.051726	0.26462	-0.03778	0.41529	0.013265	0.77494	-0.01819	0.69507
0.63125	-0.00432	0.92582	-0.04068	0.3804	-0.09343	0.04359	-0.07274	0.11646
0.02256	0.095857	0.03839	0.088038	0.05729	-0.04293	0.3546	0.175387	0.00014
0.98925	0.11079	0.01661	-0.06294	0.17454	-0.01092	0.81389	-0.01184	0.79866
1.50E-07	-0.23394	3.17E-07	-0.12632	0.00627	-0.1526	0.00094	-0.11783	0.01082
0.00032	0.030907	0.50523	0.102844	0.02626	0.080618	0.0818	0.084689	0.06747
5.41E-07	0.047281	0.30793	-0.06807	0.14187	0.064968	0.16101	-0.09907	0.03231
8.88E-24	-0.15452	0.00081	-0.18972	3.68E-05	-0.19078	3.33E-05	-0.24261	1.11E-07
1.06E-09	-0.28819	2.21E-10	-0.26071	1.08E-08	-0.33334	1.40E-13	-0.2514	3.65E-08
1.71E-05	-0.13495	0.00348	-0.138	0.0028	-0.1245	0.00707	-0.05696	0.21923
1.05E-05	-0.17905	0.0001	-0.09577	0.03856	-0.17247	0.00018	-0.09102	0.04933
2.87E-19	0.352781	3.93E-15	0.351966	4.58E-15	0.3044	1.81E-11	0.409859	2.41E-20
0.00131	0.246121	7.14E-08	0.146195	0.00154	0.237803	1.99E-07	0.091996	0.04693
0.00346	0.349439	7.38E-15	0.253924	2.64E-08	0.278952	8.56E-10	0.248525	5.27E-08
0.04735	0.052588	0.25672	0.064021	0.16721	0.081719	0.0777	0.010598	0.81931
8.18E-16	0.243404	1.00E-07	0.267344	4.38E-09	0.148869	0.00125	0.429198	2.36E-22
0.00012	0.253001	2.97E-08	0.147429	0.0014	0.168305	0.00026	0.23321	3.46E-07
0.00113	0.088238	0.05672	0.008573	0.85341	0.083411	0.07173	-0.00142	0.97564
0.5678	0.011	0.8126	0.049882	0.28204	0.088096	0.05712	0.152599	0.00094
1.41E-17	-0.19223	2.89E-05	-0.14699	0.00145	-0.12239	0.00811	-0.26238	8.61E-09
1.44E-07	0.159757	0.00053	0.238606	1.81E-07	0.129819	0.00496	0.244372	8.89E-08
1.40E-05	0.226496	7.58E-07	0.284766	3.67E-10	0.147029	0.00144	0.22268	1.17E-06
2.27E-05	-0.04458	0.33642	-0.00603	0.89658	0.030485	0.51106	-0.02523	0.58649
0.00021	-0.02935	0.52695	-0.01629	0.72554	-0.02121	0.64747	-0.11793	0.01075
0.53547	-0.05081	0.27321	-0.10336	0.02551	-0.10335	0.02553	-0.01539	0.74004
0.00813	0.083993	0.06976	0.031233	0.50076	0.047743	0.30322	0.025474	0.58294
0.00198	0.233279	3.43E-07	0.224614	9.40E-07	0.127582	0.00576	0.195585	2.08E-05
0.00074	0.198441	1.56E-05	0.114444	0.01334	0.016577	0.72087	0.1778	0.00011
2.30E-06	-0.08701	0.06026	-0.03831	0.40881	0.055032	0.23524	-0.05506	0.23497
0.03607	0.154505	0.00081	-0.02512	0.5882	-0.05313	0.25181	0.034586	0.45589
0.21509	0.214015	3.06E-06	0.110708	0.01669	0.151545	0.00102	0.127239	0.0059
2.97E-13	0.37004	1.33E-16	0.324953	6.03E-13	0.21208	3.77E-06	0.386091	4.75E-18
8.12E-13	0.071507	0.1228	0.238131	1.92E-07	0.098478	0.03337	0.307027	1.19E-11
0.20381	-0.01359	0.76965	-0.07897	0.08825	-0.07942	0.08644	0.07492	0.10589
0.08228	-0.08566	0.06437	-0.0256	0.5811	-0.057	0.21888	0.027719	0.55016
0.00665	0.02917	0.52946	-0.01226	0.79164	-0.00976	0.83343	-0.00537	0.90786
1.97E-05	0.40191	1.48E-19	0.267246	4.44E-09	0.27518	1.47E-09	0.323474	7.77E-13
0.00967	-0.08378	0.07048	-0.00559	0.90402	-0.00172	0.97038	-0.02749	0.55343

0.85229	-0.08782	0.05791	-0.1038	0.02489	-0.22668	7.42E-07	-0.05132	0.26841
1.42E-19	0.648219	5.24E-57	0.460665	6.55E-26	0.482145	1.47E-28	0.492293	7.06E-30
5.44E-07	-0.05226	0.25968	-0.05244	0.25803	-0.15094	0.00107	0.137978	0.00281
0.39034	0.027314	0.556	-0.00374	0.93569	-0.10808	0.01948	-0.03516	0.4485
0.0766	0.534565	7.19E-36	0.328539	3.24E-13	0.411734	1.56E-20	0.343094	2.40E-14
0.38461	0.071685	0.12187	0.002056	0.96465	0.023734	0.60893	0.117801	0.01084
9.10E-18	0.545326	1.55E-37	0.539401	1.31E-36	0.516676	3.13E-33	0.606192	3.43E-48
0.25022	0.16137	0.00046	0.178943	0.0001	0.098729	0.03292	0.141814	0.00213
0.00237	0.050568	0.27547	0.062046	0.18073	0.115583	0.01244	0.197628	1.69E-05
0.21291	-0.11249	0.01501	-0.08934	0.0537	-0.10516	0.02305	-0.14816	0.00132
0.02046	0.187737	4.45E-05	0.141699	0.00214	0.07385	0.11098	0.132971	0.00399
0.29058	0.238349	1.87E-07	0.183192	6.83E-05	0.239575	1.61E-07	0.185221	5.65E-05
6.95E-12	0.180608	8.68E-05	0.194941	2.21E-05	0.168138	0.00026	0.247311	6.15E-08
0.00452	-0.0506	0.27513	-0.0416	0.36979	-0.05746	0.21518	-0.00953	0.83723
5.48E-08	-0.07278	0.11625	-0.10815	0.01941	-0.06681	0.14942	-0.09218	0.04648
0.02667	0.310055	7.28E-12	0.186136	5.19E-05	0.219942	1.59E-06	0.25156	3.58E-08
5.07E-11	0.420771	1.84E-21	0.343357	2.29E-14	0.362144	6.43E-16	0.415434	6.54E-21
4.94E-05	0.179982	9.19E-05	0.106936	0.02081	0.071992	0.12028	0.219701	1.64E-06
8.29E-05	-0.26006	1.17E-08	-0.1435	0.00188	-0.24105	1.34E-07	-0.12612	0.00635
0.00027	-0.1692	0.00024	-0.09863	0.03309	-0.14846	0.00129	-0.12691	0.00603
0.22983	0.075434	0.1035	0.003219	0.94469	0.042918	0.35475	0.043621	0.34692
0.40656	0.194474	2.32E-05	0.063605	0.17	0.077117	0.09601	0.106038	0.02192
3.75E-11	0.415699	6.15E-21	0.3997	2.43E-19	0.356963	1.76E-15	0.421403	1.58E-21
6.99E-12	0.287256	2.54E-10	0.259728	1.23E-08	0.211175	4.16E-06	0.289248	1.88E-10
0.85864	0.282902	4.82E-10	0.193812	2.47E-05	0.33941	4.70E-14	0.15433	0.00082
0.16848	0.070579	0.12775	0.087494	0.05885	0.148669	0.00127	-0.06137	0.18557
5.16E-07	0.258376	1.47E-08	0.106853	0.02091	0.074107	0.10974	0.309853	7.53E-12
0.72061	0.160461	0.0005	0.133127	0.00395	0.144015	0.00181	0.070446	0.12847
1.67E-06	0.1679	0.00027	0.028735	0.53563	-0.03021	0.5149	0.114871	0.01299
0.02107	-0.1054	0.02273	-0.01639	0.72387	-0.05095	0.27187	-0.12587	0.00646
6.94E-11	-0.10814	0.01941	-0.1352	0.00342	-0.12218	0.00821	-0.13765	0.00287
0.00013	-0.09168	0.0477	0.036353	0.43319	0.023535	0.61194	0.160969	0.00048
5.51E-06	-0.08699	0.06033	-0.01508	0.74516	0.034979	0.45079	-0.05987	0.1965
5.97E-06	-0.0999	0.03089	-0.10276	0.02638	-0.04419	0.34064	0.009809	0.83256
1.89E-12	0.179919	9.24E-05	0.156818	0.00067	0.255754	2.08E-08	-0.03131	0.49966
0.15168	0.104755	0.02358	0.132984	0.00399	0.039086	0.39939	0.141931	0.00211
0.02187	0.259951	1.19E-08	0.262222	8.80E-09	0.224681	9.33E-07	0.296743	6.01E-11
9.65E-05	0.150143	0.00114	0.050606	0.2751	0.189127	3.90E-05	0.035171	0.4483
1.07E-25	0.311245	6.00E-12	0.353771	3.25E-15	0.2422	1.16E-07	0.457608	1.51E-25
1.20E-11	0.461542	5.15E-26	0.384949	6.06E-18	0.392218	1.27E-18	0.523745	2.96E-34
9.84E-07	-0.10519	0.023	-0.01825	0.69404	-0.00675	0.88435	0.183561	6.60E-05
0.26697	0.169524	0.00023	0.183819	6.45E-05	0.182973	6.98E-05	0.178084	0.00011
0.0105	0.119219	0.00992	-0.05104	0.27101	-0.088	0.0574	0.052185	0.26039
3.63E-13	-0.19402	2.42E-05	-0.20106	1.20E-05	-0.19524	2.15E-05	-0.24241	1.13E-07
4.51E-14	-0.2072	6.34E-06	-0.1234	0.00759	-0.13161	0.00439	-0.23405	3.13E-07

0.07481	0.017821	0.70089	-0.01469	0.75149	-0.00541	0.90717	-0.06602	0.15434
0.00017	-0.13065	0.00469	-0.16854	0.00025	-0.16911	0.00024	-0.20025	1.30E-05
0.77565	-0.14092	0.00227	-0.03827	0.40935	-0.06085	0.18929	-0.08607	0.0631
1.82E-21	-0.0387	0.40405	0.04608	0.32039	0.108407	0.01911	-0.10038	0.03009
0.61348	0.167386	0.00028	0.028355	0.54104	0.061596	0.18391	0.119858	0.00953
1.47E-12	-0.06441	0.16462	-0.12662	0.00615	-0.06699	0.14832	-0.18191	7.70E-05
0.18144	0.118619	0.0103	0.05111	0.27035	0.11072	0.01668	0.114492	0.0133
8.49E-05	0.403785	9.68E-20	0.266473	4.94E-09	0.317819	2.02E-12	0.284594	3.76E-10
0.00098	-0.32176	1.04E-12	-0.06314	0.17317	-0.20069	1.24E-05	-0.01983	0.66909
0.16239	0.134157	0.00368	0.107714	0.0199	0.185773	5.37E-05	0.175317	0.00014
1.96E-12	-0.06589	0.15514	-0.04222	0.3627	-0.10491	0.02337	-0.15535	0.00076
1.14E-08	0.334083	1.22E-13	0.213383	3.28E-06	0.22882	5.79E-07	0.373084	7.18E-17
0.55033	-0.15307	0.0009	-0.02603	0.57477	-0.08059	0.08191	-0.03589	0.43914
0.04841	0.314959	3.26E-12	0.254021	2.60E-08	0.232498	3.76E-07	0.216227	2.40E-06
9.00E-05	-0.1096	0.01782	0.082622	0.07447	0.117894	0.01078	0.03272	0.48058
9.60E-14	-0.15012	0.00114	-0.11515	0.01277	-0.05342	0.24924	-0.16378	0.00038
3.67E-06	0.345486	1.54E-14	0.308801	8.93E-12	0.299597	3.86E-11	0.390577	1.81E-18
1.30E-07	0.137888	0.00283	0.051537	0.26636	0.160147	0.00051	-0.09467	0.04085
2.18E-11	-0.18499	5.78E-05	-0.19111	3.22E-05	-0.13314	0.00395	-0.15744	0.00064
1.77E-06	0.09741	0.03534	0.071607	0.12228	0.214562	2.88E-06	0.059598	0.19858
2.53E-08	-0.05854	0.20664	-0.1301	0.00486	-0.11017	0.01724	-0.14384	0.00183
0.28196	0.393926	8.72E-19	0.346507	1.28E-14	0.315277	3.09E-12	0.238042	1.94E-07
3.84E-05	0.436912	3.43E-23	0.359377	1.10E-15	0.37437	5.52E-17	0.336421	8.05E-14
1.08E-09	0.209543	4.95E-06	0.223197	1.10E-06	0.198246	1.59E-05	0.336071	8.57E-14
8.46E-05	0.0463	0.31809	0.057623	0.21389	0.032487	0.4837	-0.06225	0.17928
0.00817	0.401151	1.75E-19	0.352594	4.07E-15	0.36992	1.37E-16	0.296116	6.62E-11
0.59756	-0.01187	0.79802	0.081184	0.07967	0.061654	0.18351	0.109918	0.01749
0.94521	-0.07995	0.08435	0.101684	0.028	-0.0734	0.11318	0.059981	0.1957
1.17E-11	-0.05846	0.20729	-0.07651	0.09865	-0.00784	0.86588	-0.15542	0.00075
1.47E-11	0.307189	1.16E-11	0.290658	1.52E-10	0.17317	0.00017	0.376923	3.26E-17
0.07117	0.205955	7.22E-06	0.171278	0.0002	0.193975	2.43E-05	0.477981	4.96E-28
0.48992	0.151932	0.00099	0.297488	5.36E-11	0.157198	0.00065	0.215625	2.57E-06
1.60E-21	-0.34091	3.58E-14	-0.31901	1.66E-12	-0.21538	2.64E-06	-0.27389	1.76E-09
4.19E-06	0.005243	0.91003	0.012069	0.79476	-0.01864	0.68783	-0.07855	0.08996
5.47E-05	0.155724	0.00073	0.135961	0.00324	0.164471	0.00036	-0.01809	0.69663
3.35E-08	0.231008	4.48E-07	0.226153	7.88E-07	0.266116	5.19E-09	0.302174	2.57E-11
6.15E-11	0.070424	0.12859	0.121268	0.00871	0.079785	0.08502	0.283133	4.66E-10
0.22753	0.037237	0.42208	-0.02978	0.52085	-0.02801	0.54594	-0.0004	0.99304
5.35E-08	-0.11936	0.00983	0.032987	0.477	0.052915	0.25377	-0.03645	0.43197
0.01443	0.175605	0.00014	0.139161	0.00258	0.183922	6.39E-05	0.086785	0.06094
2.44E-05	-0.13126	0.0045	-0.10188	0.02771	-0.11791	0.01077	-0.10599	0.02198
0.53997	0.131564	0.0044	0.128095	0.00557	0.11117	0.01624	0.243537	9.86E-08
0.00082	0.056684	0.22146	-0.10637	0.0215	-0.15231	0.00096	0.014033	0.76231
0.02873	0.083366	0.07188	0.0867	0.06119	0.127149	0.00593	0.049821	0.28263
5.21E-05	0.189156	3.89E-05	0.132545	0.00411	0.059291	0.2009	0.143196	0.00192

1.08E-09	-0.22889	5.74E-07	-0.28113	6.24E-10	-0.24387	9.47E-08	-0.22207	1.26E-06
1.49E-05	-0.30767	1.07E-11	-0.07835	0.09079	-0.13348	0.00386	-0.07105	0.12524
0.20617	-0.07571	0.10225	0.04974	0.28342	-0.06555	0.15731	0.097126	0.03588
0.08936	-0.0453	0.32862	-0.02781	0.54879	-0.03386	0.4654	-0.02131	0.64604
0.00426	-0.15076	0.00108	-0.17911	9.96E-05	-0.15731	0.00065	-0.036	0.43764
3.00E-06	-0.08149	0.07855	-0.27641	1.23E-09	-0.13124	0.0045	-0.17236	0.00018
2.30E-09	0.523644	3.06E-34	0.486723	3.79E-29	0.515315	4.89E-33	0.483538	9.75E-29
1.32E-10	-0.09328	0.04392	-0.02641	0.56922	-0.07546	0.10339	-0.11129	0.01613
0.00031	0.171798	0.00019	0.171986	0.00019	0.101915	0.02765	0.480153	2.64E-28
5.60E-11	-0.11967	0.00964	-0.01458	0.75334	0.016871	0.71614	-0.04519	0.32985
8.07E-07	0.051484	0.26685	0.073829	0.11108	0.189764	3.67E-05	0.036511	0.43119
0.00303	0.119097	0.01	0.139099	0.00259	0.116675	0.01163	0.188586	4.11E-05
7.55E-16	0.475858	9.16E-28	0.388493	2.84E-18	0.361788	6.89E-16	0.493544	4.82E-30
0.00257	0.245112	8.11E-08	0.297602	5.26E-11	0.35271	3.98E-15	0.177191	0.00012
0.29221	-0.078	0.09227	-0.07824	0.09124	-0.13708	0.00299	-0.06357	0.17026
0.03172	0.150113	0.00114	0.182403	7.36E-05	0.144281	0.00177	0.09263	0.04543
0.24705	0.043482	0.34847	0.107842	0.01975	0.086162	0.06282	0.029865	0.5197
0.52137	-0.06296	0.1744	-0.03569	0.4416	-0.04581	0.32325	0.005465	0.90625
4.25E-26	-0.29069	1.52E-10	-0.19951	1.40E-05	-0.17487	0.00015	-0.39814	3.44E-19
0.38421	0.047658	0.30408	0.046876	0.31209	0.040332	0.38452	0.02374	0.60885
1.13E-13	-0.077	0.09652	-0.02982	0.52037	-0.07889	0.08857	-0.06147	0.18483
0.00039	0.25888	1.37E-08	0.189246	3.86E-05	0.186425	5.05E-05	0.306268	1.34E-11
0.01287	0.08126	0.07939	0.159145	0.00056	0.064544	0.16376	0.194893	2.22E-05
1.12E-06	0.501732	3.83E-31	0.441253	1.13E-23	0.48506	6.21E-29	0.503134	2.46E-31
0.02111	0.041852	0.36685	-0.07617	0.10019	0.031946	0.49103	-0.07837	0.0907
6.76E-12	0.162271	0.00043	0.250417	4.14E-08	0.149614	0.00118	0.254493	2.45E-08
1.77E-14	0.279253	8.19E-10	0.213689	3.17E-06	0.149044	0.00124	0.349317	7.55E-15
0.00069	-0.27644	1.23E-09	0.040434	0.38331	-0.12588	0.00645	-0.02406	0.60408
0.00629	0.076304	0.09957	0.007005	0.87999	0.074848	0.10622	0.076589	0.09831
3.64E-12	0.53428	7.94E-36	0.50786	5.48E-32	0.507148	6.89E-32	0.492275	7.10E-30
4.27E-18	-0.00875	0.85041	-0.04892	0.29148	0.012068	0.79478	-0.16425	0.00037
3.49E-10	0.420623	1.90E-21	0.32963	2.68E-13	0.377874	2.68E-17	0.389409	2.33E-18
0.86351	0.168715	0.00025	0.118939	0.0101	0.183137	6.87E-05	0.105628	0.02244
1.20E-08	0.090122	0.05162	-0.06939	0.1343	-0.01715	0.71161	-0.06213	0.18011
0.05346	-0.1492	0.00122	-0.01477	0.75028	-0.07318	0.11427	0.065438	0.15799
0.00118	0.425393	6.01E-22	0.281474	5.94E-10	0.261462	9.74E-09	0.28156	5.87E-10
8.73E-10	0.355565	2.31E-15	0.348148	9.40E-15	0.287216	2.55E-10	0.366731	2.59E-16
0.30006	0.282801	4.89E-10	0.297233	5.57E-11	0.367229	2.35E-16	0.277115	1.11E-09
0.20388	0.361415	7.42E-16	0.238316	1.87E-07	0.301468	2.88E-11	0.278028	9.77E-10
0.13267	0.100887	0.02926	0.221593	1.32E-06	0.250321	4.19E-08	0.1736	0.00016
0.03036	0.217573	2.07E-06	0.108828	0.01865	0.163145	0.0004	0.257638	1.62E-08
0.59704	-0.11363	0.01401	0.000797	0.9863	-0.07918	0.08741	0.081468	0.07862
0.76043	-0.20473	8.21E-06	-0.12151	0.00857	-0.19423	2.37E-05	0.056736	0.22103
4.54E-15	-0.13588	0.00326	0.024242	0.60129	-0.01204	0.79526	-0.16491	0.00035
0.08398	-0.01498	0.74676	-0.0317	0.49433	-0.04273	0.35691	0.08743	0.05904



0.84849	0.056774	0.22072	0.057018	0.21874	0.029429	0.52582	0.059027	0.20292
0.24269	-0.00011	0.99807	0.225158	8.84E-07	0.061566	0.18413	0.033709	0.4674
0.00056	-0.24243	1.13E-07	-0.08157	0.07823	-0.12881	0.00531	-0.07723	0.09551
3.06E-06	0.053367	0.24974	-0.12268	0.00795	-0.03458	0.45597	-0.04586	0.32271
0.00932	-0.0476	0.30469	0.126574	0.00616	0.049848	0.28238	0.029374	0.52659
6.99E-20	-0.1877	4.47E-05	-0.17501	0.00014	-0.16308	0.0004	-0.22443	9.60E-07
0.12693	0.061492	0.18466	-0.02043	0.65969	-0.05272	0.2555	0.2433	1.02E-07
8.92E-09	-0.40867	3.17E-20	-0.20066	1.25E-05	-0.24412	9.18E-08	-0.18725	4.67E-05
2.33E-13	0.026098	0.57372	-0.00136	0.97656	0.16451	0.00036	-0.00495	0.91497
0.3716	0.018168	0.69536	-0.01847	0.69051	-0.05292	0.25377	0.28979	1.74E-10
0.02393	-0.0729	0.11566	-0.12962	0.00503	-0.13158	0.0044	-0.17636	0.00013
0.10833	-0.07558	0.10283	-0.00311	0.94648	-0.11175	0.01569	0.072648	0.11693
0.07464	0.086427	0.06202	0.131019	0.00457	0.061724	0.183	0.242079	1.18E-07
0.29237	0.158507	0.00059	0.277601	1.04E-09	0.257234	1.71E-08	0.263145	7.77E-09
0.00339	0.005541	0.90495	-0.01426	0.75857	0.040035	0.38804	0.025701	0.57957
0.10267	0.16567	0.00032	0.226385	7.68E-07	0.200559	1.26E-05	0.236342	2.38E-07
0.31378	0.178722	0.0001	0.244952	8.27E-08	0.220377	1.52E-06	0.256559	1.87E-08
4.22E-18	0.042686	0.35736	-0.05469	0.23819	-0.12851	0.00542	0.170154	0.00022
0.01067	0.103796	0.02489	0.080599	0.08187	-0.00317	0.94553	0.063944	0.16773
3.69E-05	0.341323	3.32E-14	0.226828	7.29E-07	0.259789	1.22E-08	0.258338	1.48E-08
0.9848	0.169575	0.00023	0.144051	0.0018	0.189733	3.68E-05	-0.01146	0.8049
1.80E-08	-0.03702	0.42478	0.119048	0.01003	0.04395	0.34329	0.185353	5.58E-05
1.01E-05	0.349592	7.17E-15	0.342233	2.81E-14	0.306956	1.20E-11	0.366987	2.46E-16
0.0013	0.293522	9.86E-11	0.189707	3.69E-05	0.283028	4.73E-10	0.093896	0.04254
1.48E-12	-0.12906	0.00522	-0.07012	0.13027	0.065992	0.15449	-0.11978	0.00957
0.10043	0.249644	4.57E-08	0.317489	2.14E-12	0.383521	8.21E-18	0.160949	0.00048
8.60E-06	0.144323	0.00177	0.173523	0.00016	0.098859	0.03269	0.269528	3.24E-09
0.60524	-0.28237	5.21E-10	-0.05889	0.20393	-0.20769	6.02E-06	-0.10487	0.02343
0.00063	0.268156	3.92E-09	0.260448	1.12E-08	0.197535	1.71E-05	0.279528	7.87E-10
0.55201	-0.07745	0.09458	-0.02744	0.55418	-0.19783	1.66E-05	-0.04908	0.28985
0.24295	0.136358	0.00315	0.177379	0.00012	0.135232	0.00341	0.161195	0.00047
0.01772	0.108447	0.01907	0.174472	0.00015	0.202138	1.07E-05	0.194328	2.35E-05
0.00017	0.387969	3.18E-18	0.23427	3.05E-07	0.257133	1.73E-08	0.33444	1.15E-13
3.18E-10	0.079908	0.08454	0.015633	0.73616	0.014923	0.74773	-0.13775	0.00285
0.01219	0.170051	0.00022	0.218534	1.86E-06	0.237346	2.11E-07	0.125011	0.00683
0.06655	0.093795	0.04277	0.119763	0.00958	0.079295	0.08695	0.183411	6.70E-05
0.07137	-0.08171	0.07772	-0.03302	0.47654	-0.11837	0.01047	0.006294	0.89209
1.68E-14	0.205319	7.72E-06	0.130294	0.0048	0.076236	0.09988	0.324673	6.33E-13
0.48414	-0.03361	0.46875	0.06146	0.18488	0.055411	0.23202	-0.01181	0.79912
3.13E-11	0.113703	0.01395	0.017378	0.70799	0.171726	0.00019	-0.03376	0.46674
0.03018	-0.16974	0.00023	-0.0113	0.80757	-0.08774	0.05813	-0.04101	0.37657
3.40E-07	0.132192	0.00421	0.130402	0.00476	0.111504	0.01592	0.268806	3.58E-09
0.2384	0.147876	0.00135	0.16451	0.00036	0.209131	5.17E-06	0.154294	0.00082
0.00027	0.485035	6.26E-29	0.409983	2.34E-20	0.435663	4.70E-23	0.42279	1.13E-21
4.98E-05	-0.21388	3.10E-06	-0.14914	0.00123	-0.27414	1.70E-09	-0.08709	0.06002

0.00271	0.145144	0.00166	0.073774	0.11135	0.081639	0.07799	0.002947	0.94935
0.99616	-0.01606	0.72926	0.086473	0.06187	-0.0357	0.44144	-0.10625	0.02165
0.92992	-0.18671	4.91E-05	-0.02378	0.60817	-0.12448	0.00707	-0.09614	0.03782
1.17E-07	0.433974	7.19E-23	0.43927	1.88E-23	0.394077	8.44E-19	0.398343	3.29E-19
2.58E-08	0.690593	1.97E-67	0.396467	4.98E-19	0.477818	5.20E-28	0.375119	4.73E-17
1.60E-12	0.296299	6.44E-11	0.260773	1.07E-08	0.222345	1.22E-06	0.346193	1.35E-14
2.32E-11	-0.14037	0.00236	0.010044	0.82861	-0.00573	0.90179	-0.11163	0.01581
0.06298	0.343989	2.04E-14	0.293356	1.01E-10	0.437372	3.05E-23	0.142445	0.00203
0.343	0.310415	6.87E-12	0.610391	5.17E-49	0.433095	8.96E-23	0.167621	0.00027
0.30489	0.316629	2.47E-12	0.389446	2.31E-18	0.384367	6.86E-18	0.276285	1.25E-09
0.0008	0.08485	0.06695	0.217185	2.16E-06	0.236164	2.43E-07	0.008055	0.86217
0.06812	0.352883	3.85E-15	0.303269	2.17E-11	0.351431	5.07E-15	0.417148	4.36E-21
0.97426	0.368879	1.68E-16	0.269029	3.47E-09	0.386168	4.67E-18	0.079303	0.08692
0.02532	0.3816	1.23E-17	0.217671	2.05E-06	0.123658	0.00746	0.215243	2.68E-06
0.32784	-0.01063	0.81878	0.114521	0.01327	0.089556	0.05311	0.042144	0.3635
0.00069	0.370788	1.15E-16	0.267461	4.31E-09	0.178918	0.0001	0.247353	6.12E-08
2.62E-16	0.417534	3.98E-21	0.295159	7.67E-11	0.289301	1.87E-10	0.351523	4.98E-15
0.13161	0.107607	0.02002	0.021509	0.64292	-0.0346	0.45566	0.130159	0.00484
0.00338	0.148646	0.00127	0.066828	0.14933	0.197926	1.64E-05	0.160904	0.00048
0.03616	0.47416	1.49E-27	0.252161	3.31E-08	0.352681	4.00E-15	0.263386	7.52E-09
0.09457	0.507241	6.69E-32	0.338322	5.72E-14	0.218404	1.89E-06	0.229032	5.65E-07
0.00061	-0.49465	3.44E-30	-0.31467	3.41E-12	-0.38701	3.90E-18	-0.29516	7.68E-11
0.00127	0.647343	8.27E-57	0.282516	5.10E-10	0.298406	4.65E-11	0.240797	1.38E-07
0.68362	0.367579	2.19E-16	0.090432	0.05082	0.102028	0.02748	0.093304	0.04387
0.21753	0.527541	8.15E-35	0.29996	3.65E-11	0.287359	2.50E-10	0.223976	1.01E-06
0.17757	0.55422	5.88E-39	0.172855	0.00017	0.170405	0.00022	0.12679	0.00608
3.21E-31	0.747258	1.46E-84	0.521908	5.49E-34	0.494991	3.10E-30	0.529616	4.00E-35
0.00738	0.724935	2.66E-77	0.313208	4.35E-12	0.387212	3.74E-18	0.221252	1.38E-06
1.30E-30	0.638094	9.31E-55	0.363687	4.74E-16	0.360377	9.08E-16	0.329908	2.55E-13
3.71E-05	0.61725	2.21E-50	0.309015	8.62E-12	0.342429	2.71E-14	0.24399	9.32E-08
6.59E-28	0.693363	3.55E-68	0.474553	1.33E-27	0.479163	3.52E-28	0.542793	3.88E-37
6.76E-16	0.735088	1.64E-80	0.524083	2.64E-34	0.505339	1.23E-31	0.352753	3.95E-15
3.23E-12	0.75407	6.23E-87	0.485308	5.77E-29	0.471067	3.61E-27	0.328239	3.42E-13
6.75E-15	-0.57627	1.13E-42	-0.32602	5.02E-13	-0.3827	9.76E-18	-0.30809	1.00E-11
3.17E-14	0.704605	2.76E-71	0.553409	7.96E-39	0.547287	7.62E-38	0.449596	1.29E-24
0.13711	0.359002	1.19E-15	0.062922	0.17464	0.076066	0.10064	-0.15197	0.00099
8.15E-12	-0.52105	7.32E-34	-0.24612	7.14E-08	-0.2867	2.76E-10	-0.22506	8.94E-07
0.93241	-0.55333	8.19E-39	-0.2506	4.05E-08	-0.44825	1.84E-24	-0.21715	2.17E-06
1.12E-10	0.705894	1.19E-71	0.529642	3.97E-35	0.594756	5.16E-46	0.41025	2.20E-20
2.40E-36	0.830521	#####	0.671633	1.49E-62	0.68347	1.48E-65	0.620143	5.71E-51
1.01E-33	0.609223	8.78E-49	0.448482	1.73E-24	0.451452	7.88E-25	0.546203	1.13E-37
6.72E-28	0.689865	3.09E-67	0.557381	1.79E-39	0.599922	5.49E-47	0.504145	1.79E-31
4.04E-10	0.698729	1.21E-69	0.477126	6.36E-28	0.557469	1.73E-39	0.315264	3.10E-12
2.14E-33	0.785213	7.63E-99	0.572847	4.45E-42	0.558437	1.20E-39	0.575973	1.27E-42
2.65E-34	0.617271	2.19E-50	0.408699	3.15E-20	0.488638	2.13E-29	0.487439	3.06E-29

1.77E-07	0.558529	1.16E-39	0.40921	2.80E-20	0.395644	5.98E-19	0.297194	5.61E-11
6.77E-13	0.507388	6.38E-32	0.287204	2.56E-10	0.261742	9.38E-09	0.289606	1.78E-10
8.63E-25	0.671251	1.85E-62	0.408258	3.48E-20	0.386054	4.79E-18	0.449534	1.31E-24
0.84591	0.654229	2.20E-58	0.300202	3.51E-11	0.434526	6.26E-23	0.215986	2.47E-06
2.11E-08	0.494997	3.09E-30	0.266073	5.22E-09	0.275738	1.36E-09	0.217239	2.15E-06
0.00081	0.713292	8.60E-74	0.499312	8.15E-31	0.560362	5.78E-40	0.353391	3.50E-15
7.82E-16	0.667449	1.59E-61	0.546799	9.10E-38	0.553309	8.26E-39	0.416203	5.46E-21
0.3264	0.531145	2.36E-35	0.221405	1.35E-06	0.29958	3.87E-11	0.109345	0.01809
0.01719	0.59241	1.41E-45	0.284758	3.67E-10	0.37728	3.03E-17	0.275968	1.31E-09
1.61E-33	0.692595	5.73E-68	0.433633	7.83E-23	0.401641	1.57E-19	0.52578	1.49E-34
1.97E-13	0.829441	#####	0.485229	5.91E-29	0.502128	3.38E-31	0.446962	2.58E-24
2.00E-29	0.832484	#####	0.556193	2.81E-39	0.556436	2.56E-39	0.518542	1.69E-33
0.33686	0.632855	1.26E-53	0.266655	4.82E-09	0.323176	8.18E-13	0.121364	0.00866
1.72E-09	0.765132	5.97E-91	0.436448	3.86E-23	0.533833	9.28E-36	0.395846	5.72E-19
0.11408	0.588536	7.25E-45	0.211409	4.06E-06	0.210611	4.42E-06	0.109176	0.01827
2.99E-29	0.854806	#####	0.587956	9.25E-45	0.608045	1.49E-48	0.56758	3.56E-41
8.14E-07	0.474345	1.42E-27	0.323307	8.00E-13	0.315367	3.04E-12	0.164434	0.00036
1.13E-12	0.463503	3.00E-26	0.252832	3.04E-08	0.281472	5.94E-10	0.186136	5.19E-05
1.60E-08	0.555008	4.38E-39	0.350765	5.75E-15	0.304076	1.90E-11	0.365501	3.31E-16
3.34E-40	0.76962	1.21E-92	0.536249	3.98E-36	0.479161	3.52E-28	0.532039	1.73E-35
3.08E-41	0.815532	#####	0.57333	3.67E-42	0.574581	2.23E-42	0.533187	1.16E-35
1.29E-17	0.636942	1.66E-54	0.448486	1.73E-24	0.461324	5.47E-26	0.460315	7.21E-26
3.22E-13	0.808264	#####	0.520612	8.47E-34	0.586963	1.40E-44	0.405382	6.73E-20
2.59E-16	0.721341	3.37E-76	0.456414	2.08E-25	0.438471	2.31E-23	0.370544	1.20E-16
4.10E-15	0.745627	5.25E-84	0.397897	3.63E-19	0.463861	2.72E-26	0.288769	2.02E-10
3.03E-13	0.767835	5.75E-92	0.484415	7.52E-29	0.551798	1.45E-38	0.315741	2.86E-12
0.34	0.529481	4.19E-35	0.248703	5.15E-08	0.270603	2.79E-09	0.169336	0.00024
7.24E-37	0.732777	9.08E-80	0.536215	4.03E-36	0.512681	1.16E-32	0.557418	1.77E-39
2.34E-07	-0.46127	5.55E-26	-0.22376	1.04E-06	-0.34772	1.02E-14	-0.29211	1.22E-10
1.80E-36	0.709785	9.06E-73	0.561421	3.86E-40	0.513522	8.80E-33	0.629134	7.78E-53
2.52E-21	0.693904	2.54E-68	0.60449	7.33E-48	0.553635	7.32E-39	0.535296	5.56E-36
1.21E-09	0.705908	1.18E-71	0.497062	1.64E-30	0.541749	5.65E-37	0.471236	3.44E-27
6.44E-06	0.687332	1.45E-66	0.475338	1.06E-27	0.44867	1.64E-24	0.445929	3.37E-24
1.80E-09	0.683432	1.52E-65	0.386474	4.38E-18	0.512305	1.31E-32	0.413823	9.56E-21
0.45687	0.488217	2.42E-29	0.183528	6.62E-05	0.259258	1.31E-08	0.004581	0.92135
7.26E-19	0.820098	#####	0.553752	7.00E-39	0.556724	2.30E-39	0.542233	4.75E-37
2.00E-22	0.603174	1.31E-47	0.397727	3.77E-19	0.424343	7.75E-22	0.508019	5.21E-32
0.00503	0.51267	1.16E-32	0.284671	3.72E-10	0.381835	1.17E-17	0.216565	2.32E-06
0.74896	0.574541	2.26E-42	0.312051	5.26E-12	0.364695	3.88E-16	0.116592	0.01169
8.87E-10	-0.48728	3.21E-29	-0.31737	2.18E-12	-0.28231	5.26E-10	-0.29482	8.09E-11
2.22E-12	0.530476	2.98E-35	0.235592	2.60E-07	0.180509	8.76E-05	0.182718	7.14E-05
0.15111	0.506719	7.90E-32	0.232677	3.68E-07	0.19872	1.52E-05	0.197818	1.66E-05
1.42E-20	0.587753	1.01E-44	0.492195	7.28E-30	0.522342	4.75E-34	0.515773	4.21E-33
0.00304	-0.57108	8.99E-42	-0.28378	4.24E-10	-0.42866	2.70E-22	-0.28576	3.16E-10
8.28E-62	0.727877	3.23E-78	0.507875	5.46E-32	0.533363	1.09E-35	0.655771	9.65E-59

1.55E-09	0.63968	4.19E-55	0.427275	3.79E-22	0.420485	1.97E-21	0.348173	9.36E-15
2.62E-13	0.557401	1.78E-39	0.417009	4.51E-21	0.305001	1.64E-11	0.336235	8.33E-14
9.80E-34	0.614626	7.45E-50	0.459941	7.99E-26	0.528808	5.28E-35	0.566312	5.83E-41
1.99E-31	0.674281	3.27E-63	0.491076	1.02E-29	0.457461	1.57E-25	0.540309	9.45E-37
2.41E-42	0.819638	#####	0.632071	1.85E-53	0.608468	1.23E-48	0.602187	2.03E-47
9.87E-19	0.679618	1.46E-64	0.44124	1.14E-23	0.455402	2.74E-25	0.360918	8.17E-16
4.38E-17	0.689561	3.72E-67	0.479273	3.41E-28	0.497712	1.34E-30	0.46299	3.46E-26
5.12E-21	0.704669	2.64E-71	0.548566	4.77E-38	0.574285	2.51E-42	0.515092	5.27E-33
4.35E-25	0.647552	7.42E-57	0.419791	2.32E-21	0.429012	2.47E-22	0.421698	1.47E-21
1.68E-15	0.810026	#####	0.500409	5.79E-31	0.513452	9.00E-33	0.474352	1.41E-27
1.26E-20	0.744456	1.31E-83	0.518584	1.66E-33	0.583606	5.66E-44	0.514418	6.57E-33
3.08E-41	0.595471	3.79E-46	0.528498	5.88E-35	0.472999	2.08E-27	0.431939	1.20E-22
1.71E-11	0.688106	9.04E-67	0.42111	1.69E-21	0.439044	1.99E-23	0.389852	2.12E-18
5.63E-05	0.586949	1.41E-44	0.286448	2.86E-10	0.346848	1.20E-14	0.205148	7.86E-06
7.74E-13	0.735678	1.05E-80	0.381807	1.18E-17	0.374384	5.51E-17	0.306103	1.38E-11
0.01787	0.618528	1.22E-50	0.255459	2.16E-08	0.333964	1.25E-13	0.182712	7.15E-05
0.08581	0.583158	6.81E-44	0.221646	1.32E-06	0.293049	1.06E-10	0.123925	0.00734
1.80E-39	0.763485	2.44E-90	0.612552	1.93E-49	0.621555	2.94E-51	0.605508	4.66E-48
8.96E-07	0.670913	2.25E-62	0.388063	3.11E-18	0.455615	2.58E-25	0.273852	1.77E-09
6.47E-22	0.59839	1.07E-46	0.424343	7.75E-22	0.466116	1.45E-26	0.471354	3.32E-27
7.22E-23	0.683366	1.58E-65	0.55169	1.51E-38	0.522139	5.08E-34	0.535112	5.93E-36
0.28084	0.503826	1.98E-31	0.409824	2.43E-20	0.406487	5.23E-20	0.056038	0.22678
3.29E-17	0.674464	2.94E-63	0.564811	1.04E-40	0.536667	3.44E-36	0.514768	5.86E-33
0.38326	0.658206	2.60E-59	0.388201	3.02E-18	0.50461	1.54E-31	0.278397	9.27E-10
5.19E-27	0.846625	#####	0.532258	1.61E-35	0.578759	4.13E-43	0.479808	2.92E-28
3.20E-28	0.712063	1.97E-73	0.567669	3.44E-41	0.51957	1.20E-33	0.559878	6.95E-40
1.29E-45	0.75388	7.27E-87	0.436433	3.87E-23	0.430313	1.79E-22	0.493586	4.76E-30
3.76E-07	0.730404	5.17E-79	0.445865	3.43E-24	0.49187	8.03E-30	0.60667	2.77E-48
1.37E-20	0.683161	1.79E-65	0.544015	2.50E-37	0.534304	7.87E-36	0.48247	1.34E-28
6.34E-26	0.687044	1.72E-66	0.430278	1.81E-22	0.465492	1.73E-26	0.441091	1.18E-23
4.35E-07	0.536394	3.78E-36	0.401953	1.46E-19	0.361732	6.97E-16	0.259354	1.29E-08
2.70E-06	0.51657	3.24E-33	0.288819	2.01E-10	0.262925	8.00E-09	0.180091	9.10E-05
0.16119	0.578837	4.00E-43	0.325668	5.33E-13	0.451291	8.22E-25	0.194377	2.34E-05
1.24E-50	0.68757	1.25E-66	0.531342	2.21E-35	0.490001	1.41E-29	0.578269	5.03E-43
9.87E-11	0.619804	6.70E-51	0.434882	5.73E-23	0.458888	1.06E-25	0.356676	1.86E-15
0.00439	0.681214	5.68E-65	0.371326	1.03E-16	0.432305	1.09E-22	0.249582	4.61E-08
1.74E-13	0.79604	#####	0.491037	1.03E-29	0.525965	1.40E-34	0.367915	2.04E-16
7.44E-21	0.692068	7.94E-68	0.568221	2.77E-41	0.587789	9.92E-45	0.577239	7.64E-43
0.02497	0.516722	3.08E-33	0.325644	5.35E-13	0.323967	7.14E-13	0.22936	5.44E-07
0.31401	0.477238	6.15E-28	0.323029	8.39E-13	0.308541	9.31E-12	0.109746	0.01767
1.79E-22	0.633723	8.21E-54	0.536118	4.17E-36	0.564577	1.14E-40	0.513206	9.75E-33
5.07E-15	0.700259	4.57E-70	0.35557	2.30E-15	0.375122	4.73E-17	0.346414	1.30E-14
5.35E-09	0.836977	#####	0.577145	7.93E-43	0.620575	4.66E-51	0.419264	2.64E-21
0.09555	0.54275	3.94E-37	0.267348	4.38E-09	0.35767	1.54E-15	0.318164	1.91E-12
0.03278	0.638364	8.13E-55	0.287379	2.49E-10	0.361693	7.02E-16	0.218504	1.87E-06

7.65E-17	0.630564	3.88E-53	0.458819	1.08E-25	0.512982	1.05E-32	0.43206	1.16E-22
2.90E-15	0.624606	6.89E-52	0.382679	9.81E-18	0.34361	2.18E-14	0.374143	5.78E-17
1.21E-16	0.806618	#####	0.559378	8.41E-40	0.635591	3.25E-54	0.511308	1.81E-32
2.01E-24	0.672058	1.17E-62	0.37297	7.35E-17	0.34223	2.81E-14	0.334584	1.12E-13
9.55E-50	0.821292	#####	0.591727	1.88E-45	0.601582	2.65E-47	0.649494	2.69E-57
1.94E-34	0.772138	1.30E-93	0.548622	4.67E-38	0.55689	2.16E-39	0.502223	3.28E-31
1.24E-36	0.810688	#####	0.601042	3.36E-47	0.574955	1.92E-42	0.50806	5.15E-32
1.48E-09	0.70816	2.67E-72	0.515764	4.22E-33	0.598285	1.12E-46	0.401072	1.79E-19
0.01329	0.556687	2.33E-39	0.366213	2.87E-16	0.394303	8.03E-19	0.203111	9.70E-06
5.18E-05	0.508361	4.67E-32	0.260574	1.10E-08	0.308184	9.86E-12	0.310749	6.51E-12
1.26E-12	0.603507	1.13E-47	0.460387	7.07E-26	0.42402	8.39E-22	0.26469	6.30E-09
1.15E-23	0.860454	#####	0.544135	2.39E-37	0.563561	1.69E-40	0.537473	2.58E-36
6.40E-08	0.766719	1.52E-91	0.44357	6.23E-24	0.528241	6.42E-35	0.270863	2.69E-09
5.64E-15	0.653939	2.57E-58	0.415499	6.44E-21	0.409363	2.70E-20	0.282747	4.93E-10
6.93E-13	0.672641	8.38E-63	0.41537	6.64E-21	0.420317	2.05E-21	0.398837	2.94E-19
1.70E-28	0.68672	2.10E-66	0.432044	1.17E-22	0.349743	6.97E-15	0.496263	2.09E-30
1.82E-09	0.61434	8.50E-50	0.279255	8.19E-10	0.304357	1.82E-11	0.302548	2.43E-11
1.87E-07	0.711868	2.25E-73	0.450708	9.60E-25	0.520238	9.60E-34	0.385052	5.93E-18
1.79E-10	-0.66601	3.55E-61	-0.42875	2.63E-22	-0.51293	1.07E-32	-0.37007	1.33E-16
2.81E-14	0.661133	5.28E-60	0.522329	4.77E-34	0.568172	2.82E-41	0.445205	4.07E-24
3.70E-25	0.779553	1.55E-96	0.418219	3.38E-21	0.469096	6.29E-27	0.426663	4.40E-22
1.14E-09	0.626991	2.19E-52	0.458829	1.08E-25	0.520696	8.24E-34	0.393127	1.04E-18
1.81E-41	0.820699	#####	0.555559	3.56E-39	0.559541	7.90E-40	0.552716	1.03E-38
1.32E-22	0.864424	#####	0.536808	3.27E-36	0.549731	3.11E-38	0.531111	2.39E-35
4.38E-32	0.752892	1.62E-86	0.61806	1.52E-50	0.585346	2.75E-44	0.582873	7.66E-44
4.36E-46	0.726213	1.07E-77	0.458486	1.19E-25	0.481757	1.65E-28	0.557275	1.87E-39
8.45E-18	0.726972	6.20E-78	0.58365	5.56E-44	0.651057	1.18E-57	0.563594	1.67E-40
0.26544	0.430685	1.63E-22	0.146395	0.00151	0.276535	1.21E-09	0.021894	0.63698
1.18E-16	0.644659	3.31E-56	0.499975	6.63E-31	0.498092	1.19E-30	0.498658	9.99E-31
1.59E-07	0.606146	3.50E-48	0.306274	1.34E-11	0.332513	1.61E-13	0.11788	0.01079
7.59E-31	0.794568	#####	0.564101	1.38E-40	0.544778	1.90E-37	0.550908	2.01E-38
1.96E-20	0.885485	#####	0.590965	2.60E-45	0.607504	1.91E-48	0.517678	2.25E-33
1.05E-24	0.638832	6.43E-55	0.433072	9.02E-23	0.419468	2.51E-21	0.368449	1.84E-16
4.81E-07	0.633589	8.78E-54	0.391026	1.64E-18	0.453437	4.64E-25	0.353207	3.62E-15
4.23E-38	0.728511	2.05E-78	0.506281	9.08E-32	0.446146	3.19E-24	0.425187	6.32E-22
2.99E-33	0.709066	1.46E-72	0.575497	1.54E-42	0.506758	7.80E-32	0.480734	2.22E-28
2.03E-31	0.785955	3.75E-99	0.550797	2.10E-38	0.527136	9.36E-35	0.517567	2.33E-33
5.14E-21	0.890695	#####	0.552111	1.29E-38	0.519189	1.36E-33	0.463715	2.83E-26
0.00019	0.727512	4.21E-78	0.526307	1.24E-34	0.62406	8.94E-52	0.353722	3.28E-15
1.93E-41	0.70551	1.53E-71	0.471602	3.10E-27	0.520021	1.03E-33	0.616522	3.10E-50
0.92936	0.632139	1.79E-53	0.418192	3.40E-21	0.484301	7.78E-29	0.201445	1.15E-05
2.81E-11	0.452769	5.55E-25	0.197714	1.68E-05	0.186229	5.14E-05	0.20239	1.04E-05
1.65E-25	0.797364	#####	0.502074	3.44E-31	0.59677	2.17E-46	0.561556	3.66E-40
2.24E-28	0.752905	1.60E-86	0.663996	1.09E-60	0.62247	1.90E-51	0.59802	1.26E-46
1.44E-29	0.837182	#####	0.539421	1.30E-36	0.503519	2.18E-31	0.537713	2.37E-36

3.57E-14	0.851435	#####	0.521756	5.78E-34	0.608047	1.49E-48	0.494631	3.46E-30
8.80E-09	0.607457	1.95E-48	0.428878	2.56E-22	0.309439	8.05E-12	0.308208	9.83E-12
0.08972	0.593084	1.06E-45	0.278801	8.74E-10	0.274557	1.60E-09	0.113356	0.01425
0.00029	0.466689	1.24E-26	0.19739	1.73E-05	0.263503	7.40E-09	0.180548	8.73E-05
4.65E-13	0.715202	2.35E-74	0.556804	2.23E-39	0.602681	1.63E-47	0.48162	1.72E-28
0.73425	0.488491	2.23E-29	0.197628	1.69E-05	0.36251	5.98E-16	0.093581	0.04325
4.70E-45	0.777886	7.21E-96	0.538901	1.56E-36	0.538759	1.64E-36	0.619309	8.45E-51
9.13E-17	0.673286	5.79E-63	0.31905	1.65E-12	0.30895	8.71E-12	0.300321	3.45E-11
7.48E-31	0.715151	2.43E-74	0.458104	1.32E-25	0.485035	6.26E-29	0.506702	7.94E-32
4.90E-43	0.843378	#####	0.652228	6.38E-58	0.655718	9.93E-59	0.648735	4.00E-57
6.40E-37	0.771476	2.34E-93	0.607494	1.91E-48	0.613502	1.25E-49	0.539126	1.44E-36
1.47E-51	0.668777	7.54E-62	0.555716	3.36E-39	0.392484	1.20E-18	0.486462	4.09E-29
0.0009	0.632181	1.76E-53	0.355236	2.46E-15	0.41351	1.03E-20	0.233498	3.34E-07
0.12552	0.634832	4.74E-54	0.389969	2.07E-18	0.445651	3.63E-24	0.188853	4.00E-05
4.14E-36	0.822505	#####	0.585917	2.17E-44	0.559423	8.27E-40	0.587798	9.89E-45
1.33E-21	0.577398	7.16E-43	0.353595	3.36E-15	0.359703	1.04E-15	0.250252	4.23E-08
7.89E-22	0.667371	1.66E-61	0.47966	3.04E-28	0.470072	4.78E-27	0.531352	2.20E-35
1.64E-17	0.649585	2.57E-57	0.510833	2.11E-32	0.511672	1.61E-32	0.310269	7.04E-12
0.03289	0.527009	9.78E-35	0.329521	2.73E-13	0.427337	3.73E-22	0.290193	1.63E-10
1.26E-56	0.841868	#####	0.554832	4.68E-39	0.528963	5.01E-35	0.571472	7.68E-42
0.03649	0.495554	2.61E-30	0.319691	1.48E-12	0.321955	1.01E-12	0.26551	5.63E-09
2.06E-58	0.773751	3.07E-94	0.586154	1.97E-44	0.55013	2.68E-38	0.661556	4.18E-60
1.94E-27	0.89644	#####	0.601944	2.26E-47	0.607316	2.07E-48	0.575598	1.48E-42
1.04E-11	0.58417	4.48E-44	0.439345	1.85E-23	0.386225	4.62E-18	0.242806	1.08E-07
4.62E-06	0.70587	1.21E-71	0.429804	2.03E-22	0.43635	3.95E-23	0.386328	4.52E-18
0.0038	0.707874	3.22E-72	0.337436	6.71E-14	0.476933	6.72E-28	0.25348	2.79E-08
3.63E-30	0.637239	1.43E-54	0.427232	3.83E-22	0.393324	9.95E-19	0.45556	2.62E-25
0.15969	0.549861	2.96E-38	0.360153	9.49E-16	0.417606	3.91E-21	0.232701	3.67E-07
1.79E-11	0.626827	2.37E-52	0.321273	1.13E-12	0.296729	6.02E-11	0.524689	2.15E-34
1.95E-16	0.708125	2.73E-72	0.503071	2.51E-31	0.572587	4.94E-42	0.475014	1.17E-27
1.04E-13	0.644399	3.79E-56	0.41124	1.75E-20	0.389739	2.17E-18	0.273968	1.74E-09
1.47E-21	0.823351	#####	0.496558	1.91E-30	0.508109	5.06E-32	0.508709	4.18E-32
0.00011	0.723846	5.77E-77	0.432895	9.43E-23	0.538234	1.98E-36	0.337243	6.95E-14
4.47E-33	0.779449	1.71E-96	0.576043	1.24E-42	0.550809	2.09E-38	0.538655	1.70E-36
0.00043	0.72305	1.01E-76	0.410043	2.31E-20	0.443033	7.16E-24	0.315228	3.12E-12
8.88E-42	0.703903	4.35E-71	0.574396	2.40E-42	0.513196	9.79E-33	0.644547	3.51E-56
2.35E-08	0.715895	1.46E-74	0.377478	2.91E-17	0.423324	9.93E-22	0.435668	4.70E-23
8.09E-19	0.875391	#####	0.552296	1.20E-38	0.547301	7.58E-38	0.507088	7.02E-32
2.42E-11	0.624414	7.55E-52	0.521192	6.98E-34	0.561251	4.12E-40	0.416749	4.80E-21
0.60015	0.499642	7.35E-31	0.337542	6.58E-14	0.360875	8.24E-16	0.179558	9.55E-05
6.21E-33	0.691526	1.11E-67	0.461619	5.04E-26	0.350719	5.80E-15	0.453435	4.64E-25
5.75E-29	0.697111	3.39E-69	0.419586	2.44E-21	0.324954	6.03E-13	0.376957	3.24E-17
0.1205	0.550184	2.63E-38	0.449235	1.42E-24	0.430156	1.86E-22	0.321376	1.11E-12
6.28E-09	0.682637	2.44E-65	0.49708	1.63E-30	0.531943	1.79E-35	0.362345	6.18E-16
8.16E-11	0.59982	5.74E-47	0.489961	1.43E-29	0.41298	1.16E-20	0.360441	8.97E-16

1.73E-34	0.873968	#####	0.62969	5.93E-53	0.624531	7.14E-52	0.546314	1.09E-37
0.00012	0.613133	1.48E-49	0.381564	1.24E-17	0.424704	7.10E-22	0.300553	3.32E-11
5.54E-10	0.728259	2.45E-78	0.498142	1.17E-30	0.587767	1.00E-44	0.389247	2.41E-18
0.29833	0.529095	4.79E-35	0.254538	2.43E-08	0.300119	3.56E-11	0.125411	0.00666
3.84E-30	0.779108	2.34E-96	0.582664	8.35E-44	0.557413	1.77E-39	0.521151	7.08E-34
1.28E-15	0.472502	2.40E-27	0.292862	1.09E-10	0.201983	1.09E-05	0.201097	1.19E-05
5.27E-26	0.701038	2.77E-70	0.491034	1.03E-29	0.537467	2.59E-36	0.568932	2.09E-41
1.48E-25	0.810037	#####	0.582379	9.39E-44	0.620091	5.85E-51	0.610438	5.06E-49
2.05E-37	0.71086	4.42E-73	0.47323	1.95E-27	0.457984	1.36E-25	0.57155	7.45E-42
0.00014	0.543134	3.43E-37	0.350711	5.81E-15	0.332647	1.58E-13	0.235152	2.74E-07
3.04E-31	0.780327	7.58E-97	0.496204	2.13E-30	0.559952	6.76E-40	0.537527	2.54E-36
3.87E-33	0.726483	8.81E-78	0.509853	2.89E-32	0.471815	2.92E-27	0.464756	2.12E-26
1.99E-13	0.747445	1.26E-84	0.449067	1.48E-24	0.436397	3.91E-23	0.364408	4.11E-16
0.10187	-0.55364	7.30E-39	-0.26014	1.16E-08	-0.41564	6.24E-21	-0.28121	6.17E-10
0.71889	0.630142	4.76E-53	0.293703	9.59E-11	0.398456	3.21E-19	0.138791	0.00265
3.41E-13	0.635715	3.06E-54	0.380837	1.44E-17	0.372562	7.99E-17	0.391862	1.37E-18
2.80E-13	0.684806	6.66E-66	0.368768	1.72E-16	0.42982	2.02E-22	0.373862	6.13E-17
8.81E-34	0.674483	2.91E-63	0.447807	2.06E-24	0.523494	3.22E-34	0.503169	2.43E-31
1.24E-15	0.723503	7.35E-77	0.550156	2.66E-38	0.529538	4.11E-35	0.434255	6.70E-23
5.81E-16	0.615259	5.56E-50	0.572197	5.76E-42	0.536796	3.28E-36	0.390673	1.77E-18
3.41E-24	0.664845	6.81E-61	0.470592	4.12E-27	0.500393	5.82E-31	0.473235	1.94E-27
7.35E-24	0.747122	1.63E-84	0.460607	6.66E-26	0.498082	1.19E-30	0.474574	1.33E-27
8.23E-29	0.804377	#####	0.623545	1.14E-51	0.664063	1.05E-60	0.554274	5.76E-39
3.78E-31	0.791539	#####	0.572378	5.36E-42	0.63868	6.94E-55	0.641215	1.93E-55
4.76E-27	0.674322	3.19E-63	0.611643	2.93E-49	0.553959	6.48E-39	0.557417	1.77E-39
5.42E-12	0.656731	5.76E-59	0.429762	2.05E-22	0.404105	9.00E-20	0.367157	2.38E-16
1.51E-48	0.745924	4.16E-84	0.498506	1.05E-30	0.480026	2.74E-28	0.586206	1.92E-44
4.87E-27	0.812995	#####	0.522783	4.09E-34	0.573846	2.99E-42	0.421647	1.49E-21
7.95E-15	0.737561	2.57E-81	0.525413	1.68E-34	0.520142	9.91E-34	0.351652	4.86E-15
8.67E-20	0.726257	1.04E-77	0.561893	3.22E-40	0.595519	3.72E-46	0.513873	7.85E-33
2.00E-29	0.678615	2.63E-64	0.48252	1.32E-28	0.44764	2.16E-24	0.542064	5.04E-37
1.90E-43	0.662623	2.33E-60	0.620083	5.88E-51	0.526513	1.16E-34	0.579109	3.58E-43
1.57E-09	0.692596	5.72E-68	0.507415	6.32E-32	0.553009	9.24E-39	0.382936	9.29E-18
6.68E-16	0.520677	8.29E-34	0.313016	4.49E-12	0.236032	2.47E-07	0.255679	2.10E-08
3.85E-16	0.709806	8.94E-73	0.437824	2.72E-23	0.432431	1.06E-22	0.435602	4.78E-23
0.00909	0.612691	1.81E-49	0.526789	1.05E-34	0.529119	4.75E-35	0.247265	6.18E-08
1.36E-13	0.711179	3.57E-73	0.632045	1.88E-53	0.526349	1.22E-34	0.277457	1.06E-09
0.40973	0.601042	3.36E-47	0.440205	1.48E-23	0.46198	4.57E-26	0.303352	2.14E-11
1.34E-47	0.754181	5.69E-87	0.624242	8.20E-52	0.600329	4.60E-47	0.66104	5.55E-60
6.76E-08	0.755841	1.46E-87	0.522967	3.85E-34	0.565442	8.18E-41	0.450913	9.09E-25
1.48E-05	0.563668	1.63E-40	0.431864	1.22E-22	0.385499	5.39E-18	0.192848	2.72E-05
1.29E-28	0.507781	5.62E-32	0.563026	2.08E-40	0.465429	1.76E-26	0.452453	6.03E-25
8.99E-14	0.680716	7.63E-65	0.540867	7.74E-37	0.565776	7.19E-41	0.427424	3.65E-22
4.45E-42	0.758935	1.13E-88	0.61181	2.71E-49	0.603945	9.33E-48	0.594411	5.98E-46
0.08916	0.519041	1.43E-33	0.510896	2.07E-32	0.502783	2.75E-31	0.230643	4.68E-07

6.64E-07	0.674653	2.64E-63	0.412171	1.41E-20	0.512585	1.19E-32	0.396262	5.21E-19
5.35E-12	0.822588	#####	0.552834	9.86E-39	0.614696	7.22E-50	0.445756	3.53E-24
9.36E-20	0.538967	1.52E-36	0.494849	3.24E-30	0.421824	1.43E-21	0.40766	4.00E-20
9.78E-09	0.610594	4.72E-49	0.492319	7.01E-30	0.529818	3.73E-35	0.392814	1.11E-18
5.46E-22	0.611069	3.80E-49	0.575554	1.51E-42	0.622645	1.75E-51	0.503312	2.33E-31
2.23E-16	0.753915	7.07E-87	0.603564	1.11E-47	0.644779	3.11E-56	0.511166	1.89E-32
5.80E-17	0.609712	7.03E-49	0.630983	3.16E-53	0.515925	4.01E-33	0.404331	8.55E-20
9.09E-12	0.602391	1.86E-47	0.448839	1.57E-24	0.408759	3.10E-20	0.369668	1.44E-16
0.04657	0.583102	6.97E-44	0.521259	6.83E-34	0.543377	3.14E-37	0.373673	6.37E-17
6.02E-10	0.713968	5.44E-74	0.454577	3.42E-25	0.518763	1.57E-33	0.333901	1.26E-13
1.05E-25	0.683867	1.17E-65	0.447894	2.02E-24	0.424028	8.37E-22	0.475688	9.62E-28
2.22E-25	0.712628	1.35E-73	0.539012	1.50E-36	0.558607	1.13E-39	0.465658	1.65E-26
9.69E-20	0.795591	#####	0.605477	4.72E-48	0.642935	8.01E-56	0.484993	6.34E-29
0.00028	0.676033	1.19E-63	0.463001	3.45E-26	0.542602	4.16E-37	0.324481	6.54E-13
0.00784	0.649703	2.41E-57	0.591541	2.04E-45	0.558046	1.39E-39	0.20115	1.19E-05
3.31E-12	0.582284	9.76E-44	0.482838	1.20E-28	0.361875	6.78E-16	0.420266	2.07E-21
0.00112	0.509004	3.80E-32	0.416736	4.81E-21	0.363978	4.48E-16	0.252864	3.02E-08
6.93E-13	0.65597	8.67E-59	0.588458	7.49E-45	0.554663	4.98E-39	0.458833	1.08E-25
1.33E-34	0.858386	#####	0.609378	8.18E-49	0.632662	1.39E-53	0.642115	1.22E-55
2.83E-10	0.563878	1.50E-40	0.462287	4.20E-26	0.542369	4.52E-37	0.379101	2.08E-17
5.13E-26	0.646973	1.00E-56	0.538108	2.06E-36	0.531669	1.97E-35	0.58729	1.22E-44
3.10E-50	0.716376	1.05E-74	0.570708	1.04E-41	0.537573	2.50E-36	0.642584	9.59E-56
2.91E-16	0.597422	1.63E-46	0.550247	2.57E-38	0.55518	4.11E-39	0.433663	7.78E-23
4.57E-07	0.654467	1.94E-58	0.488639	2.13E-29	0.474042	1.54E-27	0.339795	4.38E-14
1.80E-05	0.645872	1.77E-56	0.470797	3.89E-27	0.55261	1.07E-38	0.330608	2.26E-13
1.33E-14	0.745133	7.72E-84	0.508393	4.62E-32	0.487605	2.91E-29	0.478631	4.11E-28
1.45E-25	0.683603	1.37E-65	0.660136	9.10E-60	0.624549	7.08E-52	0.557167	1.94E-39
0.08802	0.500673	5.33E-31	0.293844	9.39E-11	0.387535	3.49E-18	0.14901	0.00124
1.03E-37	0.711269	3.36E-73	0.600582	4.11E-47	0.550622	2.24E-38	0.565501	8.00E-41
2.23E-10	0.675381	1.73E-63	0.600679	3.94E-47	0.635365	3.64E-54	0.50694	7.36E-32
1.80E-05	0.583592	5.69E-44	0.394376	7.90E-19	0.479025	3.66E-28	0.309994	7.36E-12
0.00034	0.612233	2.24E-49	0.458172	1.29E-25	0.468582	7.27E-27	0.240913	1.36E-07
0.55206	0.475416	1.04E-27	0.362129	6.45E-16	0.330146	2.45E-13	0.143373	0.0019
1.09E-32	0.755471	1.98E-87	0.577579	6.66E-43	0.569637	1.59E-41	0.537687	2.40E-36
2.11E-06	0.704786	2.45E-71	0.384517	6.64E-18	0.413919	9.34E-21	0.359916	9.94E-16
9.35E-30	0.665723	4.18E-61	0.374718	5.14E-17	0.396021	5.50E-19	0.412736	1.23E-20
2.21E-17	0.66735	1.68E-61	0.473449	1.83E-27	0.499847	6.90E-31	0.412006	1.46E-20
3.74E-07	0.67828	3.20E-64	0.492276	7.10E-30	0.440569	1.35E-23	0.222129	1.25E-06
1.67E-17	0.735348	1.35E-80	0.657611	3.58E-59	0.564956	9.88E-41	0.478298	4.52E-28
1.55E-07	0.560609	5.26E-40	0.463089	3.36E-26	0.526275	1.26E-34	0.275229	1.46E-09
1.12E-34	0.666128	3.33E-61	0.566368	5.71E-41	0.526084	1.34E-34	0.610556	4.80E-49
0.00028	0.449145	1.45E-24	0.418033	3.54E-21	0.403951	9.32E-20	0.295635	7.13E-11
1.79E-32	0.847126	#####	0.626451	2.84E-52	0.630096	4.87E-53	0.559902	6.89E-40
1.92E-19	0.762136	7.69E-90	0.613652	1.17E-49	0.603103	1.36E-47	0.582276	9.79E-44
0.0019	0.653755	2.83E-58	0.490615	1.17E-29	0.454153	3.83E-25	0.373183	7.04E-17



0.0002	0.165025	0.00034	0.14129	0.00221	0.228341	6.12E-07	-0.00827	0.85853
0.08055	-0.24597	7.28E-08	-0.19099	3.26E-05	-0.26603	5.25E-09	-0.17605	0.00013
0.10267	0.152268	0.00096	0.099062	0.03233	0.106585	0.02124	0.075307	0.10409
0.02147	0.193138	2.64E-05	0.142926	0.00196	0.129926	0.00492	0.176614	0.00012
5.97E-18	0.407209	4.43E-20	0.328692	3.16E-13	0.177853	0.00011	0.276811	1.16E-09
1.05E-12	0.040152	0.38665	-0.10376	0.02493	0.039155	0.39856	-0.184	6.34E-05
0.00478	0.110765	0.01664	0.129669	0.00501	0.197109	1.78E-05	0.136851	0.00304
5.25E-06	-0.13145	0.00444	-0.04762	0.30444	0.026578	0.5667	-0.13453	0.00358
0.00013	0.120042	0.00942	0.095528	0.03906	0.17669	0.00012	0.082479	0.07497
0.00883	-0.09273	0.04519	-0.04109	0.37566	-0.09087	0.04971	-0.02199	0.63548
2.27E-13	-0.07712	0.09601	0.035679	0.44176	0.124275	0.00717	-0.11107	0.01634
0.00791	0.009201	0.8428	-0.00136	0.97664	0.053354	0.24985	0.031304	0.49978
0.63741	0.136931	0.00303	0.175673	0.00014	0.21269	3.53E-06	0.103147	0.02581
0.00016	-0.07646	0.09888	-0.14237	0.00204	-0.09632	0.03746	-0.14402	0.00181
0.01763	-0.09965	0.03131	-0.12039	0.00921	-0.17009	0.00022	-0.06156	0.18417
0.87882	0.199772	1.36E-05	0.08498	0.06653	0.093267	0.04396	0.031123	0.50226
0.00475	0.099269	0.03197	0.034841	0.45257	0.063389	0.17145	0.102149	0.02729
0.01571	-0.12192	0.00835	-0.22553	8.47E-07	-0.27641	1.23E-09	-0.09971	0.03122
0.46461	0.086132	0.06292	0.086058	0.06314	0.128858	0.00529	0.004504	0.92267
0.08322	0.249004	4.96E-08	0.172945	0.00017	0.115495	0.01251	-0.00913	0.84403
3.49E-05	-0.12311	0.00773	0.006897	0.88183	-0.13372	0.00379	0.057445	0.21531
2.33E-06	0.103916	0.02472	0.108613	0.01888	0.231241	4.36E-07	0.015262	0.74219
1.56E-08	0.193982	2.43E-05	0.091011	0.04935	0.231438	4.26E-07	0.038508	0.4064
6.62E-15	0.343387	2.27E-14	0.263404	7.50E-09	0.213142	3.36E-06	0.166859	0.00029
0.80535	0.188635	4.09E-05	0.052083	0.26133	0.079939	0.08442	0.087816	0.05792
3.13E-08	0.000549	0.99056	0.035122	0.44893	-0.01266	0.78501	0.08732	0.05936
0.16426	-0.04612	0.32001	-0.0032	0.94495	-0.04378	0.34519	0.167055	0.00029
8.51E-17	-0.19185	3.00E-05	-0.03827	0.40935	-0.0438	0.34496	-0.21571	2.54E-06
7.23E-06	0.094293	0.04167	0.154508	0.00081	0.136734	0.00307	0.124065	0.00727
0.11628	0.06402	0.16722	0.078412	0.09054	0.161574	0.00046	0.101407	0.02844
1.90E-07	-0.10963	0.01779	0.066763	0.14973	-0.10955	0.01787	0.143197	0.00192
0.60776	-0.03149	0.49723	-0.06132	0.18587	0.033447	0.47088	0.029467	0.52528
0.00077	-0.11385	0.01383	-0.06556	0.15723	-0.05487	0.23661	-0.10885	0.01862
0.13073	0.034292	0.45973	0.140966	0.00226	0.07349	0.11274	0.126527	0.00618
0.4905	0.167639	0.00027	0.370212	1.29E-16	0.273633	1.83E-09	0.177113	0.00012
0.00013	0.348646	8.57E-15	0.410531	2.06E-20	0.307688	1.07E-11	0.322895	8.58E-13
0.49753	0.279594	7.80E-10	0.371949	9.05E-17	0.355911	2.16E-15	0.154936	0.00078
0.70643	0.152745	0.00093	0.066929	0.14871	0.176883	0.00012	0.048193	0.29867
6.10E-14	-0.05381	0.24583	-0.15511	0.00077	-0.05322	0.25103	-0.23006	5.01E-07
0.19555	0.016208	0.72683	-0.09129	0.04866	0.03682	0.4273	0.001926	0.96689
0.95407	0.110174	0.01723	0.05892	0.20374	0.126842	0.00605	0.119155	0.00996
0.00383	-0.05897	0.20338	-0.06649	0.1514	-0.07655	0.09848	-0.12457	0.00703
0.69528	0.013752	0.76693	0.096425	0.03725	0.040322	0.38464	0.033241	0.47361
0.46953	0.068557	0.13906	0.055893	0.22799	0.042689	0.35733	0.102933	0.02612
0.2445	0.02521	0.58685	0.010291	0.82446	0.000998	0.98283	0.049854	0.28231

0.01172	0.080602	0.08186	0.064291	0.16543	0.016482	0.7224	0.071331	0.12373
0.00796	0.10521	0.02298	0.064095	0.16672	0.105024	0.02322	0.001787	0.96928
0.00047	0.242715	1.09E-07	0.194621	2.28E-05	0.175085	0.00014	0.212358	3.66E-06
0.0015	0.025479	0.58285	-0.07086	0.12623	-0.03754	0.41831	-0.12781	0.00568
0.72362	0.062596	0.17688	0.03495	0.45116	0.062338	0.17868	0.014081	0.76152
0.24819	0.14225	0.00206	-0.00919	0.84305	0.07746	0.09453	-0.00883	0.84904
0.85679	0.081711	0.07773	0.020134	0.66431	0.050825	0.27304	0.031751	0.49368
0.13838	0.002822	0.95151	0.009135	0.84393	-0.0173	0.70924	0.044424	0.33811
0.3745	-0.03873	0.40365	-0.04447	0.33756	-0.03545	0.4447	-0.03651	0.43122
0.12641	-0.0409	0.37783	-0.03399	0.46365	0.095139	0.03987	-0.01401	0.76268
0.26284	0.051011	0.27128	0.026541	0.56724	0.057469	0.21512	-0.01942	0.67544
0.42181	0.028858	0.53389	-0.00766	0.86879	0.107197	0.0205	0.042277	0.36199
0.32571	-0.16322	0.0004	-0.12356	0.00751	-0.12946	0.00508	-0.08979	0.05249
0.02334	0.015459	0.73898	0.065653	0.15663	0.062756	0.17578	-0.02913	0.53006
0.14758	-0.02976	0.5212	-0.04331	0.35041	-0.05084	0.27292	-0.0675	0.14524
0.02508	-0.00509	0.91271	-0.04719	0.30886	-0.02987	0.51957	-0.05889	0.20397
0.27906	-0.00375	0.93552	-0.12178	0.00843	-0.0706	0.12763	-0.03248	0.48382
0.12975	0.055903	0.2279	-0.03511	0.44911	-0.02533	0.585	-0.04364	0.3467
0.51758	0.079118	0.08766	0.071851	0.12101	0.21183	3.88E-06	0.008996	0.84627
0.02779	0.212953	3.43E-06	0.083161	0.07259	0.156127	0.00071	-0.03858	0.40553
0.02723	0.150381	0.00112	0.165643	0.00032	0.132195	0.00421	0.138801	0.00265
0.38501	-0.00446	0.92347	0.01218	0.79293	0.050489	0.27622	0.046877	0.31209
0.09796	0.083022	0.07307	0.094241	0.04179	0.079387	0.08659	0.077467	0.0945
0.07034	0.152478	0.00095	0.115081	0.01283	0.091746	0.04753	0.142546	0.00202
0.22081	0.102616	0.02659	0.005751	0.90135	0.072044	0.12001	-0.0295	0.52482
3.04E-09	0.11851	0.01037	0.183871	6.42E-05	0.1377	0.00286	0.217672	2.05E-06
0.67506	-0.03888	0.40184	-0.0464	0.31701	0.099078	0.03231	-0.04488	0.33319
3.82E-08	0.244118	9.18E-08	0.202923	9.89E-06	0.16299	0.00041	0.315917	2.78E-12
0.04733	0.018337	0.69267	0.007997	0.86315	0.121904	0.00836	-0.03958	0.3935
0.40177	0.069332	0.13464	0.084811	0.06708	0.052902	0.25389	0.111565	0.01587
0.85067	0.041838	0.367	0.011885	0.79782	-0.00509	0.91272	-0.00434	0.9255
0.30448	-0.10339	0.02547	-0.07008	0.13046	-0.10647	0.02138	-0.08786	0.05781
0.28262	0.027669	0.55088	-0.01152	0.80397	-0.03466	0.45498	-0.03564	0.44228
0.17911	0.241273	1.30E-07	0.065237	0.15928	0.115203	0.01273	0.112334	0.01515
0.48752	0.055473	0.23151	0.084334	0.06863	0.059793	0.19711	0.008818	0.84928
0.0329	0.010399	0.82266	0.062502	0.17754	0.058396	0.2078	-0.07167	0.12198
0.46092	0.017539	0.7054	-0.00254	0.95633	0.043079	0.35295	-0.04192	0.36607
0.65486	-0.00071	0.98785	0.058188	0.20942	0.002469	0.95756	0.014301	0.75791
0.69135	0.098905	0.03261	0.065173	0.15969	0.04224	0.36242	0.089173	0.05414
0.87126	-0.0037	0.93638	-0.04825	0.29808	-0.0304	0.51218	0.011718	0.80061
0.79363	0.039084	0.39942	0.019432	0.67533	0.087149	0.05986	0.033265	0.47329
0.71728	0.005119	0.91215	0.020823	0.65355	0.020191	0.66341	0.03031	0.5135
0.54569	0.365318	3.43E-16	0.238299	1.88E-07	0.295982	6.76E-11	0.059546	0.19897
0.00666	0.018647	0.68775	-0.04048	0.38276	0.010715	0.81736	-0.01167	0.80142
0.07212	0.096782	0.03655	-0.07125	0.12418	0.052468	0.25781	-0.03024	0.51446

4.02E-08	0.34005	4.18E-14	0.139796	0.00246	0.29023	1.62E-10	-0.05215	0.26068
8.31E-06	0.409328	2.72E-20	0.229608	5.28E-07	0.289945	1.70E-10	0.249123	4.89E-08
0.23175	0.227106	7.06E-07	0.142149	0.00207	0.145484	0.00162	0.013344	0.77364
0.45657	-0.20857	5.49E-06	-0.11763	0.01096	-0.15353	0.00087	0.152493	0.00095
0.96121	-0.04397	0.34312	-0.05347	0.2488	-0.05072	0.27399	0.07617	0.10017
0.04886	-0.00457	0.92158	-0.01901	0.68195	-0.02289	0.62168	-0.05952	0.19918
0.00045	-0.07813	0.09171	-0.07442	0.10823	-0.06727	0.14662	-0.07598	0.10102
0.79848	0.085095	0.06616	0.005465	0.90624	0.042672	0.35752	-0.00451	0.9226
0.73611	0.217062	2.19E-06	0.085537	0.06476	0.080319	0.08294	-0.01526	0.74215
6.83E-05	-0.15691	0.00067	-0.0096	0.83609	-0.00158	0.97289	-0.12122	0.00874
0.54563	-0.135	0.00347	-0.15967	0.00053	-0.2669	4.66E-09	-0.14907	0.00123
0.5652	-0.03934	0.39628	-0.06529	0.15894	-0.04566	0.32477	0.059457	0.19964
7.05E-06	-0.05239	0.25854	-0.14891	0.00125	-0.17086	0.00021	-0.16493	0.00034
0.00079	-0.00637	0.89086	-0.04896	0.29104	-0.06478	0.16224	-0.28231	5.26E-10
0.72466	-0.05979	0.19713	0.008998	0.84622	-0.06723	0.14689	0.015755	0.73418
9.48E-09	-0.03504	0.44998	-0.07137	0.12354	-0.10843	0.01909	0.063056	0.17371
2.46E-05	-0.01013	0.82718	-0.04151	0.37076	0.110833	0.01657	-0.07947	0.08624
0.0011	-0.00091	0.9844	0.138629	0.00268	0.162563	0.00042	0.004267	0.92673
0.06044	-0.08374	0.07061	-0.05109	0.27052	-0.08042	0.08256	0.0249	0.59145
0.46536	-0.05869	0.20553	-0.04898	0.29088	-0.0135	0.77103	0.114921	0.01295
0.00037	-0.03162	0.49551	0.023112	0.61835	-0.08066	0.08163	0.066521	0.15121
0.00166	-0.00731	0.87479	-0.0506	0.27521	-0.07806	0.09199	0.057223	0.21709
0.00483	0.08398	0.06981	0.047063	0.31016	0.107595	0.02004	0.063348	0.17173
0.00056	-0.06855	0.13911	0.006971	0.88057	-0.21157	3.99E-06	0.059865	0.19657
1.82E-09	0.249908	4.42E-08	0.12834	0.00548	-0.00124	0.97871	0.319969	1.41E-12
0.00264	0.06882	0.13755	0.014155	0.7603	-0.01096	0.81333	0.154098	0.00083
0.00321	0.080915	0.08068	0.09627	0.03756	0.182725	7.14E-05	-0.03279	0.47968
0.01655	-0.01072	0.81736	-0.0038	0.93481	0.02577	0.57856	-0.00426	0.9269
0.07977	0.452098	6.63E-25	0.194699	2.27E-05	0.374148	5.78E-17	0.056509	0.22289
6.26E-10	-0.14372	0.00185	-0.08638	0.06215	-0.01832	0.69294	-0.24818	5.51E-08
2.60E-16	0.271732	2.39E-09	0.178591	0.0001	0.186	5.25E-05	0.153378	0.00088
0.79608	0.1794	9.69E-05	0.123404	0.00759	0.132392	0.00416	0.12271	0.00794
0.02286	-0.08356	0.07122	-0.06653	0.15115	-0.06121	0.1867	-0.02555	0.58179
4.64E-08	-0.15672	0.00068	-0.12062	0.00907	-0.05123	0.26918	-0.07836	0.09075
0.14982	-0.11064	0.01676	-0.06158	0.18401	-0.07671	0.09777	0.030318	0.51338
0.31348	-0.36243	6.07E-16	-0.13149	0.00442	-0.17468	0.00015	-0.08778	0.05802
1.91E-08	0.019529	0.6738	-0.0478	0.30265	0.07176	0.12148	-0.03875	0.40344
0.00745	0.098196	0.03388	0.06816	0.14137	0.168413	0.00026	0.016369	0.72423
0.17511	-0.28492	3.58E-10	-0.01036	0.82333	0.052741	0.25534	-0.08898	0.05465
0.34847	-0.29489	7.99E-11	-0.22533	8.67E-07	-0.30096	3.12E-11	-0.21022	4.61E-06
7.71E-10	0.155932	0.00072	0.072065	0.1199	0.092285	0.04624	-0.10137	0.0285
0.00258	0.008755	0.85033	0.005392	0.90749	0.139719	0.00248	-0.02544	0.58345
0.28021	0.096688	0.03673	0.180186	9.02E-05	0.268284	3.85E-09	0.172951	0.00017
3.38E-05	0.431249	1.42E-22	0.195555	2.08E-05	0.203809	9.03E-06	0.100839	0.02934
0.02122	0.227091	7.08E-07	0.085597	0.06457	0.104674	0.02369	0.023885	0.60665

0.00299	-0.00467	0.91985	0.048257	0.29804	0.045956	0.3217	-0.07902	0.08806
2.71E-06	0.312553	4.84E-12	0.200015	1.33E-05	0.238949	1.73E-07	0.16932	0.00024
0.54968	-0.24072	1.40E-07	-0.16306	0.0004	-0.29534	7.46E-11	0.070319	0.12916
0.08944	0.240657	1.41E-07	0.286658	2.77E-10	0.403749	9.76E-20	0.17259	0.00018
0.00163	0.240412	1.45E-07	0.034557	0.45627	0.072426	0.11805	0.003704	0.93638
5.41E-05	0.091729	0.04758	-0.05996	0.19588	-0.00978	0.8331	-0.10502	0.02322
4.66E-06	0.086976	0.06037	0.092753	0.04514	0.164536	0.00036	0.076585	0.09833
0.00024	0.149225	0.00122	0.086393	0.06212	0.342311	2.77E-14	0.06842	0.13985
0.05586	0.122792	0.0079	0.188033	4.33E-05	0.176483	0.00013	0.069392	0.1343
0.51195	0.163454	0.00039	0.028362	0.54094	0.143735	0.00185	0.082535	0.07477
0.00198	0.016153	0.72771	0.082604	0.07453	0.05822	0.20918	0.039036	0.4
0.39408	0.204175	8.69E-06	0.145131	0.00166	0.248457	5.32E-08	0.083953	0.0699
0.06208	0.08608	0.06307	0.093442	0.04356	0.204524	8.38E-06	-0.04658	0.31511
0.06049	-0.36099	8.05E-16	-0.15584	0.00073	-0.23527	2.70E-07	-0.05047	0.27641
0.09489	0.057522	0.21469	0.185847	5.33E-05	0.189184	3.88E-05	0.17617	0.00013
4.87E-06	-0.08575	0.06411	0.041591	0.36984	0.075963	0.1011	-0.14344	0.00189
0.3963	0.053307	0.25027	0.102592	0.02663	-0.00628	0.89232	0.027988	0.54629
0.83214	0.047554	0.30514	0.103592	0.02518	0.153321	0.00089	-0.02282	0.62276
0.00068	-0.05974	0.19752	0.00297	0.94897	-0.05135	0.26812	0.137032	0.003
0.86584	0.183219	6.82E-05	0.091616	0.04785	0.136928	0.00303	0.070443	0.12849
0.25639	-0.00524	0.91003	-0.02586	0.5772	0.054256	0.24192	-0.03319	0.47428
0.66589	0.002432	0.9582	0.011054	0.81168	-0.00453	0.92222	-0.03519	0.44803
7.96E-07	-0.08656	0.06163	-0.11204	0.01542	-0.16928	0.00024	0.08372	0.07068
6.37E-16	0.078354	0.09078	-0.04168	0.36881	0.041099	0.37554	-0.23134	4.31E-07
1.64E-07	-0.18143	8.05E-05	-0.13548	0.00335	-0.04659	0.31506	-0.01575	0.73433
7.08E-06	-0.08437	0.06852	0.03734	0.4208	-0.03682	0.42726	0.117598	0.01098
0.00045	0.038644	0.40475	0.027234	0.55716	0.190513	3.41E-05	0.015034	0.74591
1.19E-14	-0.06603	0.15427	0.016129	0.7281	0.184529	6.03E-05	-0.10852	0.01899
0.7353	-3.93E-05	0.99932	0.081543	0.07835	0.002422	0.95836	0.030119	0.51616
0.0748	0.038215	0.40999	-0.00283	0.95136	-0.01928	0.67774	-0.05914	0.20203
6.54E-06	-0.13495	0.00348	-0.09369	0.04301	-0.20019	1.31E-05	0.001258	0.97837
0.07601	0.23673	2.27E-07	0.178506	0.00011	0.233171	3.47E-07	-0.01493	0.74755
0.69284	-0.01541	0.73983	-0.02716	0.55819	-0.01011	0.82748	0.008336	0.85742
8.08E-09	0.166646	0.0003	0.148433	0.0013	0.076057	0.10068	0.192525	2.81E-05
0.06442	0.143767	0.00184	0.152078	0.00098	0.143635	0.00186	0.031185	0.50142
2.23E-05	0.211903	3.85E-06	0.153707	0.00086	0.082659	0.07433	0.171501	0.0002
1.53E-23	0.168929	0.00025	0.113983	0.01372	-0.0482	0.29861	0.372895	7.47E-17
0.02568	0.048839	0.29224	0.052987	0.25312	0.116751	0.01157	0.022121	0.6335
4.32E-05	-0.03776	0.41554	0.070271	0.12942	-0.04719	0.30891	0.18751	4.55E-05
3.63E-05	0.017615	0.70419	0.026301	0.57075	0.09533	0.03947	0.020593	0.65713
0.7132	-0.01999	0.6665	-0.02887	0.53368	0.081552	0.07831	0.098986	0.03247
0.00167	0.142261	0.00206	0.160558	0.0005	0.187505	4.55E-05	0.051308	0.2685
0.02612	0.052179	0.26045	0.221948	1.27E-06	0.221922	1.28E-06	0.065925	0.15491
0.56686	0.005548	0.90482	0.070826	0.12642	0.113521	0.01411	0.037642	0.41705
0.34529	0.159924	0.00052	0.164373	0.00036	0.239353	1.65E-07	0.05943	0.19985

4.48E-07	-0.00124	0.97865	-0.06689	0.14893	0.054409	0.24059	0.009892	0.83117
0.69385	-0.23302	3.54E-07	-0.28717	2.57E-10	-0.35701	1.75E-15	-0.13871	0.00266
0.00116	0.261549	9.63E-09	0.020832	0.65342	0.124076	0.00726	0.151799	0.001
1.15E-13	0.13658	0.0031	0.073252	0.11391	0.065722	0.15619	0.235033	2.78E-07
0.05226	-0.15852	0.00059	-0.17378	0.00016	-0.1165	0.01176	-0.08166	0.07792
0.00289	0.232522	3.75E-07	0.072963	0.11534	0.204432	8.46E-06	-0.03159	0.49586
0.65551	0.054681	0.23825	0.06637	0.15214	0.226677	7.42E-07	0.036563	0.43054
3.82E-05	0.050239	0.27861	0.037279	0.42155	0.13266	0.00408	-0.03337	0.47195
0.44096	0.080274	0.08312	0.050695	0.27426	0.051058	0.27084	0.066491	0.15139
0.00204	0.261063	1.03E-08	0.167775	0.00027	0.06457	0.1636	0.041747	0.36804
0.98911	0.077409	0.09475	0.130998	0.00457	0.13034	0.00478	0.048326	0.29734
4.15E-06	0.221101	1.40E-06	0.254927	2.31E-08	0.203639	9.19E-06	0.198455	1.56E-05
0.36989	0.385611	5.27E-18	0.262672	8.28E-09	0.325023	5.96E-13	0.192944	2.69E-05
2.16E-15	0.234799	2.86E-07	0.056648	0.22176	0.141799	0.00213	-0.13902	0.0026
3.65E-10	-0.05287	0.25416	-0.00217	0.96276	-0.10496	0.02331	0.086105	0.063
8.89E-12	-0.00982	0.83232	2.76E-05	0.99953	0.093093	0.04435	-0.16153	0.00046
0.00109	-0.05524	0.2335	-0.14577	0.00158	-0.17527	0.00014	0.03419	0.46108
0.04273	-0.0136	0.76943	-0.12031	0.00926	-0.15231	0.00096	0.065506	0.15756
0.05646	-0.04862	0.29437	-0.10666	0.02114	-0.11058	0.01682	0.005623	0.90354
0.02038	-0.06929	0.13486	-0.10867	0.01883	-0.13908	0.00259	-0.01515	0.74395
0.8964	0.124158	0.00723	-0.01219	0.7928	0.098817	0.03276	0.020456	0.65927
0.45693	-0.34053	3.83E-14	-0.07659	0.09831	-0.20461	8.31E-06	-0.1902	3.52E-05
0.00175	0.098747	0.03289	-0.07149	0.12291	-0.01226	0.79156	-0.12349	0.00755
1.72E-06	-0.05799	0.21098	0.150032	0.00115	0.33752	6.61E-14	-0.02752	0.55307
0.398	0.083724	0.07067	0.059725	0.19762	0.06752	0.14515	0.015546	0.73758
0.00539	-0.16273	0.00041	-0.05495	0.23592	-0.06078	0.18982	-0.095	0.04016
0.69909	0.140549	0.00233	0.055838	0.22844	0.096992	0.03614	0.036993	0.42513
0.03818	0.246426	6.87E-08	0.25256	3.14E-08	0.265219	5.86E-09	0.240678	1.40E-07
0.72707	-0.00628	0.89236	-0.00782	0.86617	0.018521	0.68974	-0.0097	0.83443
0.20588	0.101247	0.02869	0.084564	0.06788	-0.00215	0.963	-0.05798	0.2111
0.00034	0.098313	0.03367	0.052175	0.26048	0.076418	0.09907	0.029124	0.53012
0.13957	0.073187	0.11423	-0.06114	0.18717	-0.02251	0.62746	0.000894	0.98462
0.94957	0.07074	0.12688	0.073656	0.11192	0.075248	0.10436	0.011757	0.79995
0.53438	0.05962	0.19841	0.086621	0.06143	0.070405	0.1287	0.024104	0.60337
6.29E-17	-0.00887	0.84842	0.073816	0.11114	-0.11747	0.01107	0.21211	3.76E-06
0.48095	-0.02194	0.63634	-0.01894	0.68316	0.011457	0.80496	0.034767	0.45354
1.87E-20	0.27093	2.67E-09	0.349727	6.99E-15	0.203795	9.04E-06	0.375421	4.45E-17
0.20502	-0.06809	0.14177	-0.00991	0.83091	-0.04786	0.30207	0.092842	0.04493
0.1242	0.095018	0.04012	0.050804	0.27323	0.116501	0.01175	0.187394	4.60E-05
0.00014	-0.0787	0.08935	-0.16442	0.00036	-0.19281	2.73E-05	-0.13291	0.00401
0.01078	-0.21606	2.45E-06	-0.10165	0.02806	-0.19575	2.04E-05	-0.14927	0.00122
0.00041	0.081557	0.07829	0.131248	0.0045	0.079477	0.08623	0.117725	0.01089
0.02421	0.214777	2.82E-06	0.037066	0.42421	0.104652	0.02372	-0.06157	0.18411
0.0817	0.292253	1.20E-10	0.08391	0.07004	0.139705	0.00248	-0.01179	0.79935
8.51E-05	0.068004	0.14228	0.110026	0.01738	0.184534	6.03E-05	0.068912	0.13702

2.61E-06	0.042212	0.36273	-0.00305	0.94763	0.144362	0.00176	-0.20226	1.06E-05
0.0008	0.37484	5.01E-17	0.126189	0.00632	0.373018	7.28E-17	0.026127	0.57331
0.7291	0.088699	0.05544	0.011716	0.80064	0.058509	0.20692	-0.01609	0.7288
0.67306	0.248528	5.27E-08	0.169717	0.00023	0.228959	5.70E-07	0.130244	0.00482
0.00045	-0.06868	0.13834	-0.01599	0.73034	0.020235	0.66272	-0.01924	0.6784
0.93108	-0.10041	0.03004	-0.11803	0.01069	-0.05163	0.26548	-0.06056	0.1914
0.05054	0.053284	0.25047	-0.05214	0.2608	0.155639	0.00074	0.064715	0.16265
0.56675	0.039555	0.39375	0.00536	0.90804	-0.02705	0.55989	-0.0137	0.76774
0.25067	0.006108	0.89526	0.034702	0.45438	-0.04128	0.37345	-0.03875	0.40343
0.0241	-0.10503	0.02321	-0.09124	0.04878	-0.16661	0.0003	-0.02671	0.56481
0.02129	0.119141	0.00997	-0.13418	0.00367	-0.07101	0.12543	-0.05759	0.21411
0.08118	0.318874	1.70E-12	0.224182	9.88E-07	0.376589	3.50E-17	0.199728	1.37E-05
0.26236	0.197611	1.70E-05	0.151577	0.00102	0.333478	1.36E-13	0.089385	0.05357
0.0162	0.0778	0.09309	0.165745	0.00032	0.221729	1.30E-06	0.00739	0.87345
0.26218	0.010703	0.81756	0.02811	0.54454	0.032906	0.47808	-0.03012	0.51616
1.23E-15	0.104942	0.02333	0.095428	0.03926	0.041411	0.37192	0.347372	1.09E-14
0.00135	-0.12126	0.00871	-0.13244	0.00414	-0.16575	0.00032	-0.03707	0.4242
0.47069	0.069037	0.13631	0.083223	0.07237	0.137777	0.00285	0.1099	0.01751
0.84714	0.092913	0.04477	0.057284	0.2166	0.106637	0.02118	0.068846	0.1374
0.56825	-0.01432	0.75766	-0.04084	0.37851	-0.053	0.25301	0.000491	0.99155
0.58239	0.078919	0.08847	0.120521	0.00913	0.141102	0.00224	0.049032	0.29033
0.06306	0.026606	0.56629	0.012566	0.78651	0.109067	0.01839	-0.00977	0.83322
0.16836	0.001559	0.9732	-0.02954	0.52424	-0.16744	0.00028	0.032346	0.4856
1.26E-06	0.039247	0.39745	-0.02773	0.55003	0.003791	0.93487	-0.1316	0.00439
3.58E-10	-0.11535	0.01262	-0.18333	6.75E-05	-0.04005	0.38781	-0.2254	8.59E-07
5.36E-23	-0.05517	0.23405	0.001035	0.9822	0.077405	0.09477	-0.11521	0.01273
0.22437	-0.05196	0.26246	0.041365	0.37245	-0.00261	0.95519	0.036692	0.42891
0.01441	0.14338	0.00189	0.153742	0.00086	0.115332	0.01263	0.086721	0.06113
0.00206	0.107612	0.02002	0.096484	0.03713	0.051517	0.26655	0.104008	0.0246
0.32578	0.12906	0.00522	0.039402	0.39558	0.064003	0.16733	0.015626	0.73627
0.7561	0.429502	2.19E-22	0.249803	4.48E-08	0.331398	1.97E-13	0.038296	0.409
0.02011	0.321102	1.16E-12	0.11979	0.00957	0.128745	0.00533	0.0024	0.95875
1.14E-07	0.265996	5.27E-09	0.159173	0.00056	0.167078	0.00029	0.282996	4.76E-10
0.14463	-0.00062	0.9894	-0.00548	0.90603	0.039929	0.38929	0.026873	0.5624
0.10135	-0.18649	5.02E-05	-0.15477	0.00079	-0.21894	1.78E-06	0.041975	0.36544
0.23989	0.079807	0.08493	-0.00583	0.90003	0.028571	0.53796	0.031061	0.50312
0.87214	-0.13041	0.00476	-0.11718	0.01127	-0.15266	0.00093	-0.00177	0.9696
0.03201	0.107347	0.02033	0.288058	2.25E-10	0.226464	7.61E-07	0.17446	0.00015
0.29425	0.07492	0.10588	0.011638	0.80194	0.076681	0.0979	0.051388	0.26775
0.00012	0.036526	0.431	0.107061	0.02066	0.110334	0.01707	-0.06113	0.18724
1.81E-07	-0.05846	0.20733	-0.01518	0.7435	-0.0653	0.15888	-0.12142	0.00862
0.00264	0.381247	1.33E-17	0.242562	1.11E-07	0.255285	2.21E-08	0.217561	2.08E-06
2.45E-05	-0.00451	0.92259	-0.14412	0.00179	-0.01308	0.77804	-0.10823	0.01931
0.39288	0.088678	0.05549	0.091286	0.04866	0.139641	0.00249	0.04825	0.29811
0.53469	0.125936	0.00643	0.112638	0.01488	0.142279	0.00206	0.047517	0.30552

0.10736	0.262135	8.90E-09	0.227782	6.53E-07	0.267284	4.42E-09	0.121256	0.00872
1.82E-06	0.118102	0.01064	0.000854	0.98532	0.17463	0.00015	-0.0135	0.77111
0.66957	0.106276	0.02162	-0.04062	0.38115	0.089676	0.05279	0.13404	0.00371
0.0414	-0.00829	0.85817	0.09653	0.03704	0.142807	0.00198	-0.00796	0.86375
0.00638	0.258166	1.51E-08	0.15411	0.00083	0.357139	1.70E-15	0.07612	0.1004
0.03355	0.080953	0.08053	0.157635	0.00063	0.113198	0.01438	0.072861	0.11585
9.36E-06	-0.1012	0.02876	-0.03942	0.39535	-0.11269	0.01483	0.081444	0.07871
0.00013	0.174862	0.00015	0.190778	3.33E-05	0.323693	7.49E-13	0.118016	0.0107
0.00048	0.205387	7.66E-06	0.154898	0.00078	0.164672	0.00035	0.208362	5.61E-06
0.00154	-0.00111	0.98098	-0.01296	0.78002	0.054444	0.24029	-0.05969	0.19786
0.14557	0.263282	7.62E-09	0.187193	4.69E-05	0.0419	0.36629	0.244398	8.86E-08
0.43545	-0.07854	0.09003	0.03871	0.40394	0.043324	0.35022	-0.01785	0.7004
0.42194	-0.16791	0.00027	-0.12371	0.00744	-0.15367	0.00086	-0.12731	0.00587
0.00385	0.004582	0.92133	-0.08069	0.08153	0.025225	0.58662	-0.00789	0.86495
1.54E-24	-0.07016	0.13006	-0.02888	0.53361	-0.13723	0.00296	0.034748	0.45378
0.50762	-0.16679	0.00029	-0.19814	1.61E-05	-0.14161	0.00216	-0.21727	2.14E-06
5.79E-06	-0.30524	1.58E-11	-0.28847	2.12E-10	-0.37504	4.81E-17	-0.15294	0.00091
0.74046	0.054678	0.23828	0.019983	0.66666	-0.00291	0.94998	0.167033	0.00029
1.41E-15	0.16453	0.00036	0.100407	0.03005	0.087231	0.05962	0.182025	7.62E-05
6.69E-08	0.067383	0.14597	-0.08546	0.06499	-0.00141	0.97569	0.036739	0.42832
0.51458	0.002674	0.95405	0.051789	0.26403	0.106609	0.02121	0.185404	5.56E-05
0.0008	-0.07298	0.11526	-0.21208	3.77E-06	-0.04766	0.30403	-0.10503	0.02321
0.00126	0.282942	4.79E-10	0.139753	0.00247	0.16558	0.00033	0.060339	0.19304
0.33974	0.098705	0.03296	-0.01688	0.716	0.104001	0.0246	-0.02118	0.64806
0.02875	0.121011	0.00885	0.078564	0.08991	0.088685	0.05548	0.110125	0.01728
0.71013	-0.03369	0.4676	0.019305	0.67733	-0.01075	0.8168	0.063142	0.17313
0.69878	0.064542	0.16378	0.031179	0.50149	0.000806	0.98614	0.024618	0.59566
0.00053	-0.08684	0.06078	-0.12119	0.00875	-0.1015	0.02829	-0.11777	0.01086
0.17158	-0.17752	0.00011	-0.05054	0.27571	-0.04629	0.31824	-0.08798	0.05746
0.38575	-0.0466	0.315	0.013872	0.76495	-0.01393	0.76403	-0.01707	0.713
0.10416	0.288056	2.25E-10	0.010579	0.81964	0.001489	0.97441	0.02884	0.53414
0.20136	-0.41363	1.00E-20	-0.18747	4.57E-05	-0.34034	3.97E-14	-0.10164	0.02807
0.3473	0.1913	3.16E-05	0.009937	0.83041	-0.0543	0.24152	0.0782	0.09142
3.39E-18	-0.24176	1.23E-07	-0.10381	0.02488	-0.00729	0.87521	-0.259	1.35E-08
0.44085	-0.27984	7.53E-10	-0.15633	0.0007	-0.23711	2.17E-07	-0.13846	0.00271
2.77E-11	0.099267	0.03197	0.085635	0.06445	0.268225	3.88E-09	-0.00438	0.92486
2.25E-08	0.026264	0.57129	0.110164	0.01724	0.067294	0.14651	0.083199	0.07245
0.04888	0.20434	8.55E-06	0.059411	0.19999	-0.04866	0.29399	-0.01809	0.69654
2.34E-05	-0.20215	1.07E-05	-0.03529	0.44678	0.040613	0.38121	-0.07732	0.09514
0.47483	0.002446	0.95795	-0.02587	0.57713	-0.08164	0.07799	0.011177	0.80964
0.15	0.347731	1.02E-14	0.12805	0.00559	0.126289	0.00628	0.000783	0.98654
0.26353	-0.03699	0.42518	0.100082	0.03059	0.149255	0.00122	0.067423	0.14573
0.01578	0.03533	0.44626	0.086902	0.06059	0.182011	7.63E-05	0.137264	0.00295
0.29137	0.011706	0.80081	-0.02669	0.56508	0.145236	0.00165	-0.0396	0.3932
0.40469	0.089943	0.05209	0.026343	0.57014	0.09347	0.0435	0.009483	0.83806

2.14E-11	-0.02121	0.64754	0.000193	0.99668	0.125844	0.00647	-0.17244	0.00018
0.69545	-0.00594	0.89816	0.021482	0.64334	0.121848	0.00839	-0.02192	0.63653
0.0179	-0.10586	0.02214	-0.14524	0.00165	-0.12788	0.00565	-0.15358	0.00087
1.57E-07	0.145479	0.00162	0.129505	0.00506	-0.04247	0.35976	0.20323	9.58E-06
5.39E-06	0.105677	0.02237	-0.05605	0.22668	0.057554	0.21444	-0.17853	0.0001
4.11E-05	0.234364	3.01E-07	0.163694	0.00038	0.042274	0.36202	0.106094	0.02185
0.63405	0.288951	1.97E-10	0.251903	3.42E-08	0.324897	6.09E-13	0.216552	2.32E-06
0.83436	-0.00258	0.95563	-0.02478	0.59327	-5.09E-05	0.99913	-0.00472	0.91896
0.84912	-0.01661	0.72028	-0.02389	0.60651	-0.02824	0.54274	0.000277	0.99524
0.03876	0.023356	0.61465	0.05924	0.2013	0.037184	0.42274	0.017538	0.70542
0.93408	0.020407	0.66003	0.098336	0.03363	0.116738	0.01158	0.08678	0.06095
0.97098	0.071315	0.12381	0.083596	0.0711	0.02903	0.53144	-0.04778	0.30288
6.83E-06	-0.34673	1.22E-14	-0.08403	0.06964	-0.12369	0.00745	-0.11992	0.00949
0.01802	-0.0903	0.05116	0.054689	0.23818	0.03617	0.43551	-0.12229	0.00815
0.13576	0.128691	0.00535	0.095942	0.03821	0.106139	0.02179	0.035669	0.4419
0.00559	0.064215	0.16593	0.060236	0.19381	0.15177	0.001	-0.01378	0.76648
0.00583	-0.02978	0.52096	-0.15455	0.00081	-0.07573	0.10216	0.096333	0.03743
1.04E-06	0.015734	0.73452	0.014819	0.74943	-0.02852	0.53867	0.270234	2.94E-09
2.22E-10	-0.20535	7.69E-06	-0.07182	0.12117	-0.10745	0.0202	-0.25143	3.64E-08
1.03E-05	0.026797	0.5635	0.031992	0.4904	-0.02932	0.52738	0.225656	8.35E-07
1.80E-05	-0.24703	6.37E-08	-0.03625	0.43445	-0.11202	0.01544	0.067124	0.14753
5.01E-09	-0.03425	0.46033	0.035172	0.44828	0.021353	0.64533	-0.13088	0.00461
0.01821	0.074126	0.10965	0.120822	0.00896	0.257145	1.73E-08	0.028484	0.53921
0.00334	0.068189	0.1412	-0.11557	0.01245	0.005759	0.90122	-0.01861	0.68829
4.68E-06	-0.10544	0.02268	-0.06957	0.1333	-0.03752	0.41853	-0.16465	0.00035
0.76375	-0.0682	0.14115	-0.09224	0.04634	-0.08291	0.07346	-0.06195	0.1814
4.73E-10	0.198889	1.49E-05	0.111463	0.01596	0.206785	6.62E-06	0.264974	6.06E-09
9.46E-11	0.122875	0.00785	0.044827	0.33374	-0.00332	0.943	0.250611	4.04E-08
0.0024	0.104487	0.02394	0.112049	0.01541	0.17315	0.00017	0.020171	0.66373
0.2885	0.076721	0.09773	-0.08976	0.05258	0.078435	0.09044	0.099049	0.03236
0.01821	0.117245	0.01122	0.11783	0.01082	0.234051	3.13E-07	0.009413	0.83923
0.4885	0.163282	0.0004	0.109823	0.01759	0.079	0.08814	-0.10405	0.02454
0.05401	0.060973	0.1884	-0.06109	0.18756	0.031876	0.49198	-0.01255	0.78676
0.03053	0.225708	8.30E-07	0.084336	0.06863	0.146863	0.00146	0.074115	0.1097
0.74538	0.065163	0.15975	0.056142	0.22592	0.102482	0.02679	-0.0121	0.79433
1.44E-13	0.116988	0.0114	0.086387	0.06214	0.011352	0.80671	0.137723	0.00286
0.00095	-0.16378	0.00038	-0.07083	0.12639	-0.17737	0.00012	-0.09996	0.0308
0.05137	-0.09231	0.04618	-0.01187	0.79808	-0.08493	0.06669	0.352711	3.98E-15
0.65552	0.024275	0.6008	0.014074	0.76163	-0.06202	0.18093	0.112111	0.01536
9.43E-09	0.103319	0.02557	-0.0245	0.59745	0.114063	0.01365	-0.0194	0.67576
1.13E-06	-0.31408	3.76E-12	-0.20391	8.93E-06	-0.17461	0.00015	-0.211	4.24E-06
0.03334	0.332329	1.67E-13	0.254774	2.36E-08	0.318777	1.72E-12	0.246173	7.10E-08
0.60624	0.045994	0.32129	-0.01383	0.76571	-0.02948	0.52515	-0.09628	0.03754
0.35003	-0.24614	7.12E-08	-0.10691	0.02085	-0.18071	8.60E-05	-0.04961	0.28471
0.53202	-0.09531	0.03952	-0.13783	0.00284	-0.10935	0.01809	-0.21498	2.76E-06



0.02369	-0.04035	0.38426	-0.02332	0.61519	-0.07648	0.09878	0.084834	0.067
0.00119	0.278009	9.80E-10	0.260958	1.04E-08	0.27465	1.58E-09	0.150933	0.00107
5.75E-10	-0.01475	0.75063	-0.00345	0.94068	-0.1565	0.00069	0.206326	6.95E-06
1.87E-14	0.206228	7.02E-06	0.174381	0.00015	0.142708	0.00199	0.192144	2.91E-05
1.19E-09	0.03847	0.40686	0.109665	0.01776	0.239238	1.67E-07	-0.0925	0.04572
0.40805	0.052333	0.25904	0.073794	0.11125	0.063392	0.17143	0.160452	0.0005
0.28592	-0.08192	0.07697	0.091236	0.04879	-0.04586	0.32266	0.080165	0.08354
0.01775	0.21022	4.61E-06	0.25094	3.87E-08	0.311053	6.19E-12	0.156671	0.00068
0.00186	0.019103	0.68052	-0.01027	0.82475	0.0174	0.70764	0.048402	0.29658
0.73027	-0.13919	0.00257	-0.09418	0.04191	-0.16424	0.00037	-0.01551	0.73808
0.57	0.197771	1.67E-05	0.267666	4.19E-09	0.240611	1.42E-07	0.174009	0.00016
0.27243	0.006184	0.89397	0.026014	0.57497	0.062195	0.17968	0.043791	0.34504
5.51E-11	-0.16304	0.0004	-0.17305	0.00017	-0.14891	0.00125	-0.24011	1.51E-07
0.20748	0.028136	0.54418	0.036192	0.43523	0.076348	0.09938	0.112885	0.01466
0.4962	0.036285	0.43405	0.057326	0.21627	0.076633	0.09812	0.047612	0.30455
0.31632	-0.02822	0.54303	-0.05154	0.26638	-0.12879	0.00531	-0.02437	0.59933
0.33372	0.147626	0.00138	0.111629	0.0158	0.188596	4.10E-05	0.093665	0.04306
0.45452	0.014124	0.76081	0.014709	0.75122	-0.00284	0.95122	-0.06219	0.17973
8.29E-16	-0.07601	0.10088	-0.08948	0.05332	-0.00221	0.96195	-0.22081	1.45E-06
0.4568	-0.0221	0.63389	0.112389	0.0151	0.079767	0.08509	-0.02468	0.59466
0.09877	-0.01425	0.75868	0.017961	0.69866	-0.04361	0.34707	0.05103	0.2711
8.30E-08	0.096421	0.03726	-0.07134	0.12366	0.015426	0.73953	-0.1576	0.00063
0.15656	-0.27494	1.52E-09	-0.25093	3.88E-08	-0.32627	4.81E-13	-0.13386	0.00375
0.00192	-0.26467	6.31E-09	-0.06876	0.13788	-0.15654	0.00069	-0.29012	1.65E-10
0.0006	0.001163	0.98	-0.05848	0.20717	0.028174	0.54363	-0.17848	0.00011
2.85E-05	-0.12573	0.00652	-0.27543	1.42E-09	-0.10822	0.01932	-0.18986	3.64E-05
0.17793	-0.17949	9.61E-05	-0.17255	0.00018	-0.14571	0.00159	0.009999	0.82937
0.0258	0.145196	0.00166	0.148088	0.00133	0.225058	8.94E-07	-0.00439	0.92456
3.24E-09	-0.13747	0.00291	-0.10883	0.01865	-0.00746	0.87224	-0.12919	0.00517
0.00494	0.129708	0.00499	0.18241	7.35E-05	0.219893	1.60E-06	0.040951	0.37726
0.4987	0.126643	0.00613	0.134012	0.00372	0.155582	0.00074	0.132787	0.00405
0.38572	0.212787	3.50E-06	0.287028	2.62E-10	0.409678	2.51E-20	0.15137	0.00103
6.59E-05	0.037948	0.41326	-0.14886	0.00125	-0.06646	0.15159	-0.04521	0.32958
0.07496	-0.03968	0.39222	-0.01183	0.79881	0.012561	0.7866	-0.06796	0.14254
2.89E-05	0.211817	3.88E-06	0.073425	0.11305	0.183968	6.36E-05	0.192063	2.94E-05
0.74086	0.012556	0.78669	-0.10155	0.02821	-0.19152	3.09E-05	-0.11658	0.0117
5.27E-12	0.232623	3.71E-07	0.091714	0.04761	0.069981	0.13102	0.20973	4.85E-06
0.00365	-0.17669	0.00012	-0.02231	0.63061	0.037784	0.41529	-0.1148	0.01305
4.42E-06	-0.08781	0.05793	-0.01727	0.70974	-0.1023	0.02707	0.052571	0.25688
0.01671	0.202562	1.03E-05	-0.07673	0.09768	-0.0633	0.17204	-0.01168	0.80123
0.48261	0.028308	0.54171	0.002321	0.9601	0.057096	0.21812	0.11173	0.01571
0.01811	0.19014	3.54E-05	0.114102	0.01362	0.183174	6.85E-05	0.034558	0.45626
0.00738	-0.05929	0.20094	-0.07954	0.08596	-0.04317	0.35191	-0.11483	0.01303
0.00165	0.042161	0.36332	0.007645	0.86912	0.03972	0.39178	0.1844	6.11E-05
0.03454	-0.05525	0.23336	-0.01983	0.66902	-0.00328	0.94367	0.06147	0.18481

9.20E-05	0.151183	0.00105	0.140509	0.00234	0.170204	0.00022	0.178249	0.00011
0.94045	0.058152	0.20971	0.087487	0.05887	0.105255	0.02292	0.071446	0.12312
0.00018	-0.15964	0.00053	-0.03613	0.436	-0.06153	0.18436	0.188283	4.23E-05
0.89247	0.055466	0.23156	0.224319	9.72E-07	0.191914	2.98E-05	0.071155	0.12466
7.96E-07	-0.08999	0.05196	-0.07275	0.1164	0.082185	0.07602	-0.13111	0.00454
0.21194	-0.0468	0.31283	-0.0151	0.74478	-0.03682	0.4273	0.092725	0.04521
0.85857	0.091787	0.04743	-0.01278	0.78295	0.064673	0.16292	0.058109	0.21005
0.00132	0.018964	0.68272	0.044444	0.33789	0.077805	0.09307	-0.05891	0.20381
0.02683	-0.22365	1.05E-06	-0.16885	0.00025	-0.13825	0.00275	-0.15474	0.00079
1.99E-07	0.020972	0.65123	-0.05382	0.24573	0.023185	0.61725	-0.1424	0.00204
1.08E-06	-0.2787	8.87E-10	0.016983	0.71432	-0.02731	0.55607	-0.22918	5.55E-07
0.30341	-0.17787	0.00011	-0.00174	0.97007	-0.05691	0.21959	-0.03913	0.39883
1.18E-06	-0.01514	0.74411	-0.04776	0.30306	-0.09786	0.03451	0.176585	0.00013
0.00016	-0.33009	2.47E-13	-0.26346	7.44E-09	-0.36157	7.20E-16	-0.16981	0.00023
0.99401	-0.15247	0.00095	-0.08699	0.06034	-0.23883	1.76E-07	0.019705	0.67103
3.60E-13	-0.03668	0.42912	-0.05372	0.24662	0.046598	0.31497	-0.12609	0.00636
0.00018	0.041807	0.36736	-0.08477	0.06721	-0.156	0.00072	-0.00289	0.95031
0.00017	-0.15964	0.00053	-0.10821	0.01933	-0.1229	0.00784	-0.01399	0.76295
0.07997	0.179853	9.30E-05	0.103825	0.02485	0.169269	0.00024	0.247731	5.83E-08
0.30381	0.169822	0.00023	0.097328	0.0355	0.150126	0.00114	0.087442	0.059
0.0879	0.108648	0.01885	0.069453	0.13396	0.041665	0.36899	0.139668	0.00249
0.00022	0.093001	0.04457	0.183105	6.89E-05	0.142498	0.00202	0.153897	0.00085
0.81883	-0.10096	0.02915	-0.09934	0.03185	-0.11543	0.01255	-0.17659	0.00013
3.39E-12	0.334228	1.19E-13	0.221893	1.28E-06	0.280472	6.87E-10	-0.00387	0.93346
0.29824	0.171476	0.0002	0.230478	4.77E-07	0.187543	4.54E-05	0.183276	6.78E-05
3.80E-06	-0.00631	0.89189	-0.09049	0.05066	-0.14262	0.002	-0.00348	0.94022
0.06066	-0.01656	0.72121	0.028527	0.53859	0.046045	0.32076	-0.00207	0.9644
0.01097	0.119291	0.00987	0.050626	0.27492	0.019835	0.66899	0.299397	3.98E-11
0.91471	0.056228	0.22521	0.037417	0.41984	0.0488	0.29262	0.08173	0.07766
0.00738	-0.0143	0.75788	-0.00894	0.84713	0.062979	0.17424	-0.0186	0.68848
0.00018	0.113455	0.01416	0.162243	0.00043	0.183211	6.82E-05	-0.09247	0.04579
0.3357	0.144211	0.00178	0.180235	8.98E-05	0.231913	4.03E-07	0.095449	0.03922
0.54358	-0.18611	5.20E-05	-0.14588	0.00157	-0.16619	0.00031	-0.0978	0.03461
0.0323	0.040045	0.38791	0.024259	0.60104	0.116905	0.01146	0.093	0.04457
0.1551	-0.1701	0.00022	-0.23968	1.59E-07	-0.14135	0.0022	-0.09441	0.04141
0.33211	-0.05629	0.22465	-0.05758	0.2142	-0.06606	0.1541	-0.02584	0.57751
0.99792	-0.08108	0.08007	-0.08111	0.07993	-0.04035	0.3843	0.00771	0.86803
4.32E-05	-0.02813	0.54423	-0.03217	0.48802	0.056157	0.22579	0.098856	0.03269
0.01397	-0.01398	0.76311	0.058442	0.20744	0.050446	0.27663	0.069867	0.13165
2.91E-09	0.085831	0.06384	0.128852	0.00529	0.097379	0.0354	-0.07286	0.11586
7.95E-26	0.117457	0.01108	0.16231	0.00043	0.088182	0.05688	0.194481	2.32E-05
0.42343	0.083029	0.07304	0.141264	0.00221	0.168458	0.00026	0.096185	0.03773
0.23894	0.036439	0.4321	0.045392	0.32768	0.052759	0.25517	0.03604	0.43716
0.15494	-0.21396	3.08E-06	-0.05212	0.26098	-0.23402	3.14E-07	-0.14182	0.00213
1.34E-13	-0.04935	0.28719	0.000218	0.99626	-0.05672	0.22114	0.194655	2.28E-05

0.09761	0.093613	0.04317	0.133775	0.00378	0.11363	0.01401	0.256687	1.84E-08
3.73E-05	0.003152	0.94584	0.04136	0.37251	0.087117	0.05995	-0.08478	0.06717
3.13E-08	-0.04899	0.29073	0.017124	0.71206	0.062431	0.17803	-0.09888	0.03266
1.00E-05	-0.21287	3.46E-06	-0.13505	0.00345	-0.02504	0.5893	-0.26591	5.33E-09
0.12418	-0.01734	0.70865	-0.20919	5.14E-06	-0.18433	6.15E-05	-0.11177	0.01567
0.7353	0.031622	0.49543	0.056472	0.2232	0.071853	0.121	0.026956	0.56119
0.03961	0.041608	0.36964	0.123082	0.00775	0.185145	5.69E-05	0.003738	0.93579
0.08141	0.065325	0.15872	0.112605	0.01491	0.250579	4.06E-08	0.044815	0.33386
3.57E-07	0.19744	1.73E-05	0.159501	0.00054	0.093895	0.04255	0.273011	1.99E-09
0.00041	-0.06956	0.13335	-0.21696	2.22E-06	-0.10342	0.02542	-0.10675	0.02103
0.00027	-0.17547	0.00014	-0.13081	0.00464	-0.27911	8.36E-10	-0.06256	0.17713
5.89E-17	-0.07142	0.12327	0.024499	0.59743	0.155798	0.00073	-0.09914	0.03219
5.93E-06	-0.01305	0.77846	0.090608	0.05037	-0.02213	0.63343	0.191967	2.96E-05
0.00011	0.21679	2.26E-06	0.150914	0.00107	0.147148	0.00143	0.198372	1.57E-05
0.7709	0.206551	6.79E-06	0.184741	5.91E-05	0.220068	1.57E-06	0.048238	0.29823
0.00018	-0.22145	1.35E-06	-0.13861	0.00268	-0.04246	0.35994	-0.21317	3.35E-06
0.0013	0.166245	0.00031	0.079113	0.08768	0.051492	0.26678	0.064322	0.16522
3.06E-13	0.001593	0.97262	-0.10819	0.01936	-0.16462	0.00035	0.032986	0.47701
0.01458	0.024579	0.59625	-0.06162	0.18376	-0.04114	0.37511	-0.03498	0.45083
0.01202	0.041743	0.36809	-0.015	0.74641	0.111076	0.01633	-0.06727	0.14664
0.00076	0.0801	0.08379	0.121096	0.00881	0.028915	0.53308	0.10741	0.02025
0.07735	-0.05728	0.2166	-0.03662	0.42975	0.03818	0.41041	-0.06139	0.18537
0.75398	0.111927	0.01553	0.115768	0.0123	0.151009	0.00106	0.127043	0.00597
0.00809	0.231161	4.40E-07	0.319129	1.62E-12	0.274219	1.68E-09	0.003271	0.9438
5.74E-05	-0.18706	4.75E-05	0.002542	0.9563	-0.16788	0.00027	-0.05243	0.25817
9.35E-05	0.104192	0.02434	0.177645	0.00011	0.254546	2.43E-08	-0.03248	0.48384
3.65E-08	0.130725	0.00466	0.132205	0.00421	0.247638	5.90E-08	0.029845	0.51998
0.30397	0.29819	4.80E-11	0.219616	1.65E-06	0.313485	4.15E-12	0.105187	0.02301
9.89E-06	0.07701	0.09647	0.120349	0.00923	-0.01853	0.68967	0.193323	2.60E-05
0.00912	0.082175	0.07605	0.047211	0.30864	0.003108	0.94659	0.032552	0.48283
1.68E-09	-0.12218	0.00821	-0.00053	0.99089	-0.13403	0.00371	0.17822	0.00011
0.00043	-0.06016	0.19439	-0.0295	0.52489	0.026361	0.56987	-0.09046	0.05075
0.01555	0.017256	0.70995	-0.05882	0.20452	-0.03897	0.40075	0.019291	0.67755
0.28882	0.035077	0.44951	-0.00533	0.90861	0.009211	0.84264	0.074164	0.10946
0.36938	0.242114	1.18E-07	0.068986	0.1366	0.207292	6.28E-06	0.047567	0.305
0.04403	0.168512	0.00025	0.079088	0.08778	0.259999	1.18E-08	0.098549	0.03324
0.09872	-0.15296	0.00091	-0.14009	0.00241	-0.13955	0.00251	-0.11258	0.01493
2.90E-07	-0.11384	0.01384	-0.15626	0.0007	-0.0259	0.57659	-0.23492	2.82E-07
2.73E-12	-0.09012	0.05161	-0.19843	1.56E-05	0.000858	0.98525	-0.16988	0.00023
0.00084	0.172429	0.00018	0.141188	0.00223	0.154038	0.00084	0.206854	6.57E-06
0.90243	0.087667	0.05835	0.072502	0.11767	0.111065	0.01634	0.085866	0.06374
0.35618	0.086711	0.06116	0.161351	0.00046	0.171587	0.00019	0.05893	0.20366
5.09E-15	0.196091	1.98E-05	-0.04318	0.35179	-0.062	0.18109	0.171957	0.00019
7.28E-06	-0.11958	0.00969	0.076076	0.10059	0.061312	0.18595	-0.11105	0.01636
0.00618	-0.26881	3.58E-09	-0.13274	0.00406	-0.23059	4.71E-07	-0.15761	0.00063

0.01053	0.104982	0.02328	0.009227	0.84237	0.089078	0.0544	-0.05925	0.20119
0.04018	-0.04622	0.31896	-0.05025	0.2785	-0.11035	0.01705	0.023407	0.61388
0.10408	0.251167	3.76E-08	0.242652	1.10E-07	0.234173	3.08E-07	0.180019	9.16E-05
3.67E-07	0.001134	0.9805	-0.04146	0.37141	-0.0366	0.43005	-0.07647	0.09881
0.38925	0.196563	1.88E-05	0.132018	0.00427	0.265388	5.73E-09	0.165126	0.00034
0.21742	0.036715	0.42862	0.115391	0.01259	0.048472	0.29589	0.119789	0.00957
6.58E-17	-0.02982	0.52034	-0.00858	0.85337	0.125758	0.0065	-0.11879	0.01019
0.02105	0.040299	0.38491	0.119852	0.00953	0.141002	0.00226	0.112511	0.01499
2.41E-06	0.095921	0.03826	0.121295	0.00869	0.040625	0.38108	0.165557	0.00033
0.06102	0.070486	0.12825	0.018274	0.69367	0.175969	0.00013	0.034809	0.45299
0.53714	0.109966	0.01744	0.090663	0.05023	0.075074	0.10517	0.249051	4.93E-08
0.06163	-0.02627	0.57125	-0.07255	0.11745	-0.11696	0.01142	0.096901	0.03632
0.28766	-0.13299	0.00399	-0.03895	0.40097	-0.02182	0.63815	-0.0403	0.38488
6.14E-05	-0.07998	0.08427	-0.00979	0.83284	0.04027	0.38525	-0.06174	0.18292
0.18205	-0.18492	5.81E-05	-0.03227	0.48662	-0.05338	0.2496	-0.04283	0.35573
5.23E-05	-0.10207	0.02741	-0.05933	0.20057	-0.13082	0.00463	0.152193	0.00097
0.13724	0.033275	0.47315	0.066251	0.15288	0.100573	0.02977	-0.00647	0.88902
0.07673	-0.0545	0.23984	0.01375	0.76696	0.170083	0.00022	0.047205	0.3087
0.16281	-0.02087	0.65288	-0.03677	0.42799	-0.03642	0.43228	0.132843	0.00403
1.10E-09	0.11129	0.01613	0.141662	0.00215	0.19568	2.06E-05	-0.02285	0.62232
0.23392	0.084451	0.06825	0.05065	0.27469	0.190943	3.27E-05	0.088292	0.05657
0.00283	0.101315	0.02858	0.122214	0.0082	0.278111	9.66E-10	0.022033	0.63485
0.13024	0.084397	0.06842	0.090613	0.05036	0.025581	0.58135	0.2142	3.00E-06
0.70805	0.034324	0.45932	0.065631	0.15677	0.095332	0.03946	0.10845	0.01907
1.32E-06	0.193865	2.46E-05	0.167616	0.00027	0.17431	0.00015	0.099932	0.03084
0.00281	0.003487	0.9401	0.005119	0.91214	0.107691	0.01993	-0.01939	0.67596
0.21831	-0.04138	0.3723	0.022475	0.62806	-0.07342	0.11307	0.047723	0.30342
2.75E-05	0.160844	0.00048	0.226923	7.21E-07	0.353702	3.29E-15	0.098482	0.03336
0.57625	0.087298	0.05942	-0.00382	0.93435	0.069185	0.13547	0.080103	0.08378
0.10451	-0.06188	0.18191	0.014939	0.74747	-0.04428	0.33969	0.015421	0.73961
0.11319	0.057134	0.21781	-0.14603	0.00156	-0.07171	0.12175	-0.03929	0.3969
7.91E-09	-0.00775	0.86738	0.035577	0.44307	0.154738	0.00079	0.026061	0.57427
0.85966	0.012547	0.78684	-0.02466	0.59501	0.130869	0.00462	0.001074	0.98154
0.02685	0.140613	0.00232	0.061556	0.1842	0.14628	0.00153	0.109892	0.01752
0.51008	0.384431	6.77E-18	0.32644	4.67E-13	0.318062	1.94E-12	0.091772	0.04747
0.14122	0.09639	0.03732	-0.04128	0.3734	-0.00116	0.97998	0.072189	0.11926
0.7583	0.070899	0.12603	-0.02464	0.59534	-0.01365	0.76857	-0.01113	0.81049
0.18392	0.037934	0.41344	-0.08794	0.05757	0.005038	0.91353	0.049654	0.28425
0.45445	-0.05867	0.20564	0.071812	0.12121	0.023413	0.61379	0.081075	0.08008
0.00468	0.135814	0.00327	0.086419	0.06204	0.122915	0.00783	-0.02063	0.65661
0.50763	0.037733	0.41591	-0.04143	0.37164	0.01751	0.70586	0.101279	0.02864
0.29226	-0.05628	0.22474	-0.22559	8.41E-07	-0.1654	0.00033	-0.06631	0.15251
0.06346	0.094368	0.04151	-0.00606	0.89614	0.089935	0.05211	0.110527	0.01687
1.31E-15	0.354298	2.94E-15	0.202075	1.08E-05	0.158432	0.00059	0.154356	0.00082
0.74852	0.21625	2.40E-06	0.045998	0.32125	0.061644	0.18357	0.082508	0.07487

0.00189	0.106588	0.02123	-0.06064	0.19081	0.069427	0.1341	0.000289	0.99503
0.01996	-0.12053	0.00913	-0.10701	0.02072	-0.0674	0.14586	-0.07332	0.11356
0.23403	0.008475	0.85506	0.016048	0.72942	0.025157	0.58763	-0.02327	0.61599
0.0051	-0.0422	0.36283	0.05098	0.27157	0.035429	0.44497	-0.15591	0.00072
0.02907	0.187306	4.64E-05	0.076835	0.09723	0.123536	0.00752	0.016502	0.72209
0.03206	0.215969	2.47E-06	0.080415	0.08257	0.106439	0.02142	0.040198	0.3861
0.01211	0.26327	7.64E-09	0.190169	3.53E-05	0.126969	0.006	-0.02903	0.53141
5.68E-13	0.120739	0.00901	-0.06631	0.1525	-0.0554	0.23215	0.167984	0.00027
0.23923	-0.09518	0.03978	-0.02948	0.52516	-0.10062	0.02969	-0.09036	0.05101
0.18082	0.034485	0.4572	-0.03283	0.47911	0.002832	0.95133	0.022794	0.62319
0.00166	0.100421	0.03002	-0.00897	0.84662	0.047129	0.30949	-0.04001	0.38836
0.45317	0.082368	0.07536	0.089577	0.05306	0.153824	0.00085	0.060227	0.19387
0.01015	0.168653	0.00025	0.089366	0.05362	0.213809	3.13E-06	0.072734	0.11649
4.08E-08	0.086103	0.063	0.176496	0.00013	0.060528	0.19165	0.241529	1.26E-07
1.05E-08	0.332779	1.54E-13	0.29165	1.31E-10	0.274369	1.65E-09	0.187204	4.69E-05
0.7868	0.074916	0.1059	0.128048	0.00559	0.185715	5.40E-05	0.034457	0.45758
0.00032	-0.2597	1.23E-08	-0.10044	0.02998	-0.11262	0.0149	-0.14196	0.0021
2.49E-08	0.170419	0.00022	0.192722	2.75E-05	0.182083	7.58E-05	0.207104	6.40E-06
1.50E-08	-0.12374	0.00743	-0.14936	0.00121	-0.09462	0.04097	-0.21345	3.25E-06
0.00379	0.047986	0.30076	0.021356	0.64528	0.046891	0.31193	-0.03665	0.42946
0.21841	0.011785	0.79949	0.079702	0.08534	0.109418	0.01802	0.016374	0.72415
0.3764	0.148662	0.00127	0.01416	0.76021	-0.03885	0.40222	-0.06324	0.17246
9.48E-07	0.209228	5.12E-06	0.16123	0.00047	0.199334	1.43E-05	0.029881	0.51948
0.00098	0.0552	0.23381	-0.00255	0.95621	0.102592	0.02663	0.006034	0.89654
0.17931	0.004138	0.92894	0.049464	0.2861	0.035735	0.44105	-0.01201	0.79581
0.05285	0.174045	0.00016	0.134452	0.0036	0.353541	3.40E-15	0.052196	0.26029
4.87E-07	-0.07295	0.1154	-0.1809	8.45E-05	-0.02203	0.63487	-0.24462	8.62E-08
0.97074	0.051376	0.26786	-0.02031	0.66152	-0.11904	0.01003	-0.0419	0.36633
4.92E-16	-0.18846	4.16E-05	-0.00768	0.86856	0.153545	0.00087	-0.23488	2.83E-07
8.43E-11	-0.09422	0.04184	0.148697	0.00127	0.097265	0.03562	-0.22456	9.46E-07
9.69E-10	-0.02173	0.63957	-0.05599	0.22715	-0.00803	0.86252	-0.28581	3.14E-10
0.00056	-0.09533	0.03947	-0.13409	0.00369	-0.08839	0.05629	-0.1547	0.0008
1.76E-09	0.030028	0.51743	-0.04012	0.38705	0.148388	0.0013	-0.1216	0.00852
1.24E-05	-0.07429	0.10885	-0.06629	0.15263	-0.09536	0.03941	0.151133	0.00105
0.11718	0.060859	0.18923	-0.01984	0.66892	-0.02402	0.60459	0.026018	0.57491
0.00093	0.294461	8.54E-11	0.134451	0.0036	0.23555	2.62E-07	0.245881	7.36E-08
2.78E-05	-0.1457	0.00159	0.098454	0.03341	0.088579	0.05577	0.017209	0.71069
0.12135	0.044004	0.3427	0.009324	0.84073	0.043217	0.3514	0.372212	8.58E-17
0.77165	0.189324	3.83E-05	0.101521	0.02826	0.140976	0.00226	0.068446	0.1397
0.30863	0.102589	0.02663	0.009345	0.84037	0.038957	0.40094	0.253169	2.91E-08
0.0023	0.055524	0.23107	-0.0498	0.28286	0.085778	0.06401	-0.00457	0.92161
0.2527	0.021618	0.64123	-0.02453	0.59704	0.035154	0.44852	0.00822	0.85938
0.41504	0.171908	0.00019	0.022951	0.62081	0.170295	0.00022	0.14887	0.00125
0.00196	-0.05828	0.20867	-0.05506	0.23499	0.050487	0.27624	0.008958	0.8469
4.18E-06	0.009886	0.83127	0.016971	0.71451	0.083221	0.07238	-0.07502	0.10544

0.03158	0.450491	1.02E-24	0.231813	4.08E-07	0.369641	1.44E-16	0.226274	7.77E-07
0.59224	-0.10441	0.02404	-0.21268	3.54E-06	-0.27507	1.49E-09	-0.15852	0.00059
0.01356	0.014415	0.75604	0.02028	0.66203	0.097545	0.03509	-0.00589	0.89893
0.00742	0.070122	0.13024	-0.00181	0.96896	0.036203	0.43508	-0.067	0.1483
0.00115	0.084026	0.06965	0.016167	0.72749	-0.0312	0.50118	0.185286	5.62E-05
5.70E-05	-0.05786	0.21199	-0.09924	0.03202	-0.01437	0.75684	-0.12784	0.00566
0.01933	0.087397	0.05913	0.067236	0.14686	0.006653	0.88599	0.025422	0.5837
0.26862	0.089424	0.05346	0.042695	0.35726	0.089774	0.05253	0.068059	0.14196
0.59104	-0.01236	0.78992	-0.04587	0.32258	-0.03714	0.42326	0.028803	0.53467
1.96E-05	-0.11326	0.01433	-0.10671	0.02109	-0.09735	0.03546	-0.11366	0.01398
0.06263	-0.01704	0.71347	0.147667	0.00137	0.092263	0.04629	0.071871	0.12091
0.64358	-0.07326	0.11385	0.105542	0.02255	0.07505	0.10528	-0.17675	0.00012
1.46E-05	0.203438	9.38E-06	0.195928	2.01E-05	0.089455	0.05338	0.099549	0.03149
0.00251	0.221661	1.31E-06	0.239928	1.54E-07	0.168394	0.00026	0.219837	1.61E-06
0.00848	-0.06525	0.15921	-0.21911	1.75E-06	-0.23542	2.65E-07	0.079337	0.08679
0.70884	0.037631	0.41719	-0.14219	0.00207	-0.12571	0.00653	-0.06246	0.17786
0.02937	0.007176	0.87709	-0.09222	0.04638	-0.06016	0.19436	0.180792	8.53E-05
0.33683	0.185379	5.57E-05	0.135437	0.00336	0.311688	5.58E-12	0.044533	0.33692
0.00606	-0.12714	0.00594	-0.0915	0.04814	-0.0444	0.33836	-0.09826	0.03376
0.00123	0.350392	6.17E-15	0.259813	1.21E-08	0.216799	2.26E-06	0.204463	8.44E-06
0.02684	-0.04929	0.28785	-0.09331	0.04386	0.005474	0.90608	-0.0401	0.3872
0.07099	0.074726	0.10679	-0.01644	0.72304	0.038971	0.40077	0.094246	0.04178
1.04E-13	-0.0465	0.316	-0.12369	0.00745	-0.0615	0.18459	-0.16575	0.00032
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0.5911	0.249611	4.59E-08	0.201124	1.19E-05	0.28137	6.03E-10	0.109424	0.01801
3.97E-13	0.139726	0.00248	0.053741	0.24642	0.081283	0.0793	0.291909	1.26E-10
0.08325	0.012825	0.78222	0.007322	0.87462	0.122638	0.00797	-0.01765	0.70359
0.76719	0.290732	1.51E-10	0.171732	0.00019	0.345107	1.66E-14	0.202398	1.04E-05
0.14899	-0.09353	0.04336	-0.06035	0.19296	-0.04442	0.33818	0.04228	0.36196
0.34844	-0.12673	0.0061	-0.06297	0.17432	-0.06483	0.16187	0.031489	0.49725
3.05E-05	-0.0547	0.23806	-0.06959	0.13318	-0.14633	0.00152	0.048416	0.29645
3.92E-23	0.169166	0.00024	0.044217	0.34036	0.011598	0.8026	0.252678	3.10E-08
0.00012	0.241999	1.19E-07	0.180657	8.64E-05	0.237032	2.19E-07	0.174909	0.00015
1.07E-06	0.243308	1.01E-07	0.218654	1.84E-06	0.231945	4.02E-07	0.230061	5.01E-07
0.01392	0.001383	0.97622	-0.00649	0.88875	0.068966	0.13671	-0.08445	0.06824
0.00136	-0.15115	0.00105	-0.14346	0.00188	-0.16317	0.0004	-0.09971	0.03122
0.00021	0.202396	1.04E-05	0.134014	0.00372	0.041293	0.37329	0.073626	0.11207
0.07446	0.307527	1.10E-11	0.27629	1.25E-09	0.380242	1.64E-17	0.186226	5.14E-05
0.22317	0.017639	0.70381	-0.09088	0.04967	0.077349	0.09501	0.02277	0.62357
0.17231	0.13976	0.00247	0.11441	0.01336	0.245173	8.04E-08	0.095667	0.03877
0.00022	0.269825	3.11E-09	0.179966	9.20E-05	0.208163	5.73E-06	0.149082	0.00123
0.57595	0.057859	0.21202	-0.12155	0.00855	-0.16895	0.00024	0.037714	0.41616
0.6577	0.018484	0.69033	0.058005	0.21086	0.064368	0.16492	0.030674	0.50846
2.69E-17	0.271151	2.59E-09	0.017217	0.71057	0.008629	0.85246	0.28658	2.80E-10
0.72107	0.079003	0.08813	0.005419	0.90702	-0.01977	0.67004	-0.00062	0.98933

0.92541	0.071182	0.12452	0.042532	0.3591	0.040677	0.38046	0.043084	0.3529
0.11541	0.241375	1.29E-07	0.141372	0.0022	0.217892	2.00E-06	0.028607	0.53744
0.19069	0.062163	0.17991	-0.07058	0.12775	0.055413	0.23201	0.012162	0.79321
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0.96822	-0.14288	0.00197	-0.13873	0.00266	-0.20252	1.03E-05	0.005743	0.90149
0.00598	0.098618	0.03312	-0.11455	0.01325	-0.02952	0.52459	0.00251	0.95685
0.91499	0.234964	2.81E-07	0.18495	5.80E-05	0.227409	6.82E-07	0.158383	0.00059
0.00074	0.10254	0.0267	0.1579	0.00062	0.062635	0.17661	0.061407	0.18527
2.03E-26	0.169237	0.00024	0.23131	4.33E-07	0.075945	0.10118	0.361046	7.97E-16
0.00825	0.063969	0.16756	0.027837	0.54846	0.125112	0.00679	0.025075	0.58885
0.0215	0.019002	0.68212	0.033903	0.46484	-0.03197	0.49073	0.114157	0.01357
6.76E-16	0.00187	0.96786	-0.09917	0.03214	-0.13709	0.00299	0.098837	0.03273
0.74668	0.158323	0.00059	0.171437	0.0002	0.159415	0.00054	0.264287	6.65E-09
0.01109	-0.03243	0.48453	-0.10067	0.02962	-0.05654	0.22267	0.156422	0.00069
0.12417	0.024513	0.59723	-0.01188	0.79789	0.125217	0.00674	0.008154	0.86049
0.55172	-0.1352	0.00342	-0.12471	0.00697	-0.18913	3.90E-05	-0.06052	0.19171
0.00141	-0.01197	0.79647	0.061113	0.18739	-0.03063	0.50902	0.089242	0.05395
0.17749	0.045987	0.32137	0.077352	0.095	0.064565	0.16363	0.035372	0.44572
0.02181	0.15315	0.0009	-0.03161	0.49561	-0.04231	0.36163	0.096294	0.03751
0.00065	0.030288	0.5138	-0.00603	0.89657	0.047164	0.30913	-0.01804	0.69743
1.53E-11	0.145206	0.00165	0.034048	0.46294	0.178035	0.00011	-0.0616	0.18387
2.11E-05	0.118516	0.01037	0.17224	0.00018	0.277629	1.03E-09	0.069746	0.13232
0.0012	0.199216	1.44E-05	0.106743	0.02105	0.189913	3.62E-05	0.260075	1.17E-08
4.17E-06	0.060544	0.19153	-0.06599	0.15449	0.056507	0.22291	-0.11492	0.01296
0.00036	0.064761	0.16235	-0.06895	0.1368	-0.03873	0.40373	-0.07579	0.10189
1.34E-05	0.083623	0.07101	0.069986	0.13099	0.213681	3.17E-06	0.010886	0.8145
0.00285	0.104422	0.02403	0.034385	0.45852	0.065021	0.16066	-0.04359	0.34726
0.08197	0.15001	0.00115	0.141605	0.00216	0.046971	0.31111	0.184408	6.10E-05
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0.15654	0.069557	0.13337	0.060936	0.18867	0.107549	0.02009	-0.00288	0.95045
4.54E-07	0.007197	0.87673	-0.00994	0.83031	0.086901	0.06059	-0.06603	0.15424
0.01358	-0.02989	0.51936	0.023704	0.60939	-0.01029	0.82448	0.026458	0.56846
0.00053	0.012397	0.78931	0.027758	0.5496	0.084921	0.06672	-0.02842	0.54011
9.90E-07	0.071433	0.12319	0.107234	0.02046	0.148748	0.00126	-0.03645	0.4319
1.34E-08	0.063417	0.17127	0.114702	0.01313	0.000351	0.99396	0.203865	8.98E-06
0.80032	0.084748	0.06728	0.115066	0.01284	0.137597	0.00289	0.010242	0.82529
0.26326	0.126342	0.00626	0.067334	0.14627	0.093456	0.04353	0.049713	0.28368
0.13324	0.139939	0.00244	0.071331	0.12373	0.112353	0.01513	0.18136	8.10E-05
0.29044	0.098117	0.03403	0.121451	0.00861	0.135027	0.00346	0.029989	0.51798
1.82E-05	-0.10963	0.01779	-0.03617	0.43555	0.029274	0.528	-0.04934	0.28728
0.00268	0.023533	0.61198	-0.02414	0.60281	0.077293	0.09525	0.095357	0.03941
0.02542	0.085192	0.06585	0.052929	0.25364	0.139471	0.00252	0.123174	0.0077
0.00016	-0.05473	0.23779	-0.13129	0.00448	-0.0288	0.53469	-0.05108	0.27063
0.00893	0.173429	0.00017	-0.07138	0.12346	-0.07897	0.08825	-0.05262	0.25642
9.42E-06	-0.02955	0.52415	-0.03381	0.46601	0.059729	0.19759	-0.08237	0.07534

0.83698	0.072342	0.11848	0.207088	6.42E-06	0.194718	2.26E-05	0.203519	9.30E-06
0.01006	0.039197	0.39805	0.090657	0.05024	0.153051	0.00091	0.11851	0.01037
1.43E-05	0.10198	0.02755	0.11662	0.01167	0.092776	0.04509	-0.01726	0.70989
2.71E-07	-0.11347	0.01415	-0.07055	0.12791	-0.01374	0.7671	-0.07236	0.11838
0.14511	0.201379	1.16E-05	0.19106	3.24E-05	0.215087	2.72E-06	0.208897	5.30E-06
0.15294	0.035283	0.44686	0.022704	0.62456	0.078119	0.09176	0.055527	0.23105
3.21E-06	0.0556	0.23043	0.08554	0.06475	0.205039	7.95E-06	0.030517	0.51062
0.22049	-0.19675	1.85E-05	-0.15055	0.0011	-0.18552	5.50E-05	-0.02246	0.62826
2.22E-10	-0.17464	0.00015	0.085733	0.06415	-0.07009	0.13039	0.278728	8.84E-10
8.17E-06	0.126342	0.00626	-0.07105	0.12521	-0.08518	0.06589	-0.1295	0.00506
0.62167	0.170462	0.00021	-0.05133	0.26828	0.055385	0.23225	-0.10265	0.02654
0.00259	-0.02524	0.58635	-0.05822	0.20918	-0.13871	0.00266	0.124745	0.00695
0.04641	0.047084	0.30994	-0.09499	0.04018	-0.03079	0.50682	0.055347	0.23257
5.99E-09	-0.08915	0.05421	-0.03304	0.47626	0.082347	0.07544	-0.10615	0.02178
0.00155	-0.09143	0.0483	-0.1622	0.00043	-0.19978	1.36E-05	0.027513	0.55313
0.1338	0.030348	0.51297	0.032302	0.4862	-0.03452	0.45681	-0.01185	0.79842
0.08021	0.111429	0.01599	0.015177	0.74357	0.044881	0.33315	0.003066	0.94731
1.32E-05	-0.22298	1.13E-06	-0.16633	0.00031	-0.29815	4.83E-11	-0.12895	0.00526
0.12574	0.046535	0.31563	-0.02399	0.6051	0.009981	0.82968	0.1369	0.00303
1.20E-21	0.176202	0.00013	0.114646	0.01317	0.090391	0.05092	0.322793	8.73E-13
9.60E-08	-0.00227	0.96099	-0.14728	0.00142	0.032136	0.48844	-0.09543	0.03925
0.01159	0.008392	0.85647	0.072329	0.11855	0.089882	0.05225	-0.02107	0.64975
3.84E-05	0.016115	0.72833	0.036716	0.42861	0.254849	2.34E-08	-0.0058	0.9006
0.21103	0.129534	0.00505	0.098949	0.03253	0.05373	0.24652	0.11183	0.01562
0.54069	-0.01533	0.7411	-0.00619	0.89386	-0.04666	0.31437	0.159851	0.00053
0.04504	0.17474	0.00015	0.136937	0.00302	0.108572	0.01893	0.071562	0.12251
0.12652	0.048881	0.29182	0.11919	0.00994	0.11575	0.01231	0.133771	0.00378
0.16534	0.090737	0.05004	0.013051	0.77849	0.232108	3.94E-07	0.069075	0.13609
5.13E-13	0.146422	0.00151	0.155918	0.00072	0.0259	0.57664	0.306895	1.21E-11
0.08246	0.213367	3.28E-06	0.000487	0.99162	0.046075	0.32044	-0.17668	0.00012
0.00023	0.211038	4.22E-06	0.026397	0.56935	0.010219	0.82568	0.124462	0.00708
0.06859	0.158767	0.00057	0.035866	0.43938	0.298974	4.25E-11	0.064478	0.1642
0.2901	0.122973	0.0078	0.13295	0.004	0.157594	0.00063	0.068337	0.14033
0.00025	0.068682	0.13834	0.039188	0.39816	0.10658	0.02124	-0.13826	0.00275
0.06802	-0.14446	0.00175	-0.11915	0.00996	-0.07316	0.11437	-0.23612	2.44E-07
0.33974	-0.20229	1.06E-05	-0.19582	2.03E-05	-0.21203	3.79E-06	-0.1453	0.00164
0.0004	-0.06063	0.19093	-0.05803	0.21069	-0.13738	0.00293	0.119371	0.00982
2.93E-08	-0.04606	0.32059	0.081379	0.07895	0.119107	0.00999	-0.06727	0.14662
0.49984	0.089008	0.05459	-0.0644	0.16468	-0.0932	0.04411	-0.04146	0.37136
0.62927	0.051696	0.26489	0.060236	0.19381	0.001866	0.96792	0.006599	0.8869
0.0015	-0.05552	0.23111	0.015734	0.73451	0.015053	0.7456	-0.11442	0.01335
0.01118	0.025884	0.57688	0.070506	0.12814	0.066004	0.15442	0.069038	0.1363
2.53E-06	0.243446	9.98E-08	0.182303	7.42E-05	0.22851	6.00E-07	0.218528	1.87E-06
0.00032	-0.01477	0.7503	-0.04834	0.29721	-0.02164	0.64082	-0.18761	4.51E-05
0.88028	0.140509	0.00234	0.234113	3.11E-07	0.324005	7.10E-13	0.099522	0.03153



0.11681	0.079026	0.08804	0.069949	0.13119	0.118188	0.01058	0.033582	0.46908
9.32E-05	0.1095	0.01793	-0.04805	0.30013	-0.0571	0.21805	-0.18223	7.47E-05
0.00014	-0.00147	0.97467	0.001991	0.96577	0.089895	0.05221	-0.05434	0.2412
0.35164	0.120303	0.00926	0.111991	0.01547	0.107154	0.02055	-0.02775	0.54969
0.00019	0.032293	0.48633	-0.04764	0.30429	0.018218	0.69456	0.005643	0.90319
0.00267	0.268685	3.64E-09	0.231579	4.19E-07	0.223232	1.10E-06	0.253506	2.78E-08
5.59E-05	0.444861	4.46E-24	0.286912	2.67E-10	0.242744	1.09E-07	0.219822	1.62E-06
0.82641	0.102821	0.02629	0.168826	0.00025	0.194393	2.34E-05	0.043598	0.34718
0.0477	0.078176	0.09151	-0.02794	0.54693	-0.02534	0.58497	-0.06431	0.16532
0.02062	0.00502	0.91385	0.015048	0.74568	0.063955	0.16765	0.084847	0.06696
3.34E-08	-0.07305	0.1149	-0.05512	0.2345	0.071812	0.12121	-0.17861	0.0001
2.42E-10	0.214436	2.92E-06	0.093226	0.04405	0.092949	0.04468	0.048291	0.2977
6.04E-08	0.013207	0.77591	0.178633	0.0001	0.233042	3.53E-07	-0.17457	0.00015
0.6669	0.000608	0.98955	0.052108	0.26109	-0.04052	0.38235	0.001147	0.98029
8.00E-05	-0.02176	0.63912	0.024282	0.60069	0.162303	0.00043	-0.05926	0.20111
6.01E-05	-0.05324	0.25086	-0.00604	0.89639	0.016375	0.72414	-0.03407	0.46268
0.31189	-0.06291	0.17474	-0.09363	0.04314	-0.07259	0.11723	-0.04724	0.30836
0.20129	-0.27695	1.14E-09	-0.21282	3.48E-06	-0.29852	4.56E-11	-0.04577	0.32369
0.92494	-0.03202	0.48997	0.015342	0.74089	0.028165	0.54376	-0.0292	0.52898
0.96077	-0.0093	0.84116	0.063791	0.16875	0.07266	0.11687	-0.01658	0.72083
8.81E-08	0.231451	4.26E-07	0.161151	0.00047	0.24998	4.38E-08	0.3021	2.60E-11
0.00198	0.266138	5.17E-09	0.189421	3.79E-05	0.308826	8.89E-12	0.290121	1.65E-10
0.00424	-0.12032	0.00925	-0.00257	0.95587	-0.08084	0.08095	0.040739	0.37974
1.88E-10	-0.22552	8.48E-07	-0.084	0.06975	-0.05098	0.27153	-0.21893	1.78E-06
0.00114	0.025563	0.58162	-0.03771	0.41616	0.146956	0.00145	-0.01006	0.82837
0.01413	-0.07069	0.12714	-0.04259	0.35845	-0.01177	0.79983	0.132203	0.00421
0.00031	-0.12398	0.00731	0.016871	0.71613	-0.01385	0.76534	-0.21469	2.85E-06
0.00075	0.092962	0.04465	0.130117	0.00486	0.095947	0.0382	0.14536	0.00164
0.00968	-0.12789	0.00565	-0.09185	0.04728	-0.07289	0.11569	-0.11422	0.01352
0.5853	-0.14444	0.00175	-0.12725	0.00589	-0.1092	0.01825	-0.03797	0.41295
0.96128	-0.10216	0.02727	-0.03904	0.39995	-0.03847	0.40686	-0.00882	0.84921
2.40E-05	0.075046	0.1053	0.123465	0.00756	0.245636	7.59E-08	-0.13233	0.00417
0.99086	-0.3702	1.29E-16	-0.16447	0.00036	-0.24403	9.28E-08	-0.04075	0.37959
0.00038	-0.1474	0.0014	-0.13286	0.00402	-0.12386	0.00737	-0.22817	6.24E-07
4.44E-13	-0.05703	0.21869	0.002802	0.95185	-0.04916	0.28904	0.10686	0.0209
3.24E-15	0.136974	0.00302	0.135699	0.0033	0.086536	0.06168	0.352149	4.43E-15
5.78E-23	0.212126	3.75E-06	-0.04248	0.35966	-0.06095	0.18855	0.289498	1.81E-10
0.87108	0.015038	0.74584	-0.03356	0.46944	-0.01156	0.80328	0.023057	0.6192
0.40393	0.175344	0.00014	0.119919	0.00949	0.152297	0.00096	0.222382	1.21E-06
0.01433	-0.1253	0.00671	-0.00502	0.91392	-0.05902	0.20301	-0.11468	0.01315
0.00163	-0.2104	4.52E-06	-0.29137	1.37E-10	-0.24968	4.55E-08	-0.25498	2.30E-08
0.71062	0.27834	9.34E-10	0.24436	8.90E-08	0.176399	0.00013	0.022548	0.62695
0.2081	-0.33018	2.44E-13	-0.20648	6.84E-06	-0.22279	1.16E-06	-0.05648	0.22312
0.46045	-0.16169	0.00045	0.104687	0.02367	0.120418	0.00919	0.056886	0.21982
0.74124	0.164617	0.00035	0.188315	4.22E-05	0.223269	1.10E-06	0.112008	0.01545

0.13239	0.095829	0.03844	0.207164	6.36E-06	0.22235	1.22E-06	0.086298	0.06241
0.00454	-0.12018	0.00933	-0.14251	0.00202	-0.12345	0.00757	-0.1391	0.00259
0.06351	-0.00458	0.92129	-0.09712	0.03589	0.048591	0.2947	-0.11896	0.01008
0.27459	0.056128	0.22604	-0.01555	0.73758	0.106646	0.02116	0.030402	0.51222
0.26389	0.112485	0.01501	0.109169	0.01828	0.126991	0.00599	0.085735	0.06414
0.93489	0.152351	0.00096	0.135382	0.00338	0.195661	2.06E-05	0.078858	0.08871
0.38607	0.137686	0.00287	0.227945	6.41E-07	0.267579	4.24E-09	0.198198	1.60E-05
0.00755	0.035574	0.44312	0.009357	0.84017	0.081905	0.07703	0.059244	0.20126
0.00112	-0.05388	0.24519	0.04167	0.36894	0.058922	0.20373	-0.11142	0.016
4.47E-06	0.08728	0.05947	0.01613	0.7281	-0.00935	0.84021	0.104046	0.02454
0.00543	-0.08344	0.07162	0.01482	0.74941	-0.02108	0.64959	0.053059	0.25248
0.14584	0.065419	0.15812	0.060266	0.19358	0.093545	0.04333	-0.01669	0.71905
0.00014	0.128281	0.0055	0.155185	0.00077	0.304813	1.69E-11	0.056459	0.2233
0.08545	0.093011	0.04454	-0.01587	0.73238	-0.0081	0.86143	0.02248	0.62799
0.96725	0.025478	0.58288	-0.05435	0.24111	0.084145	0.06926	0.047693	0.30372
4.36E-10	-0.26046	1.11E-08	-0.11025	0.01715	0.000937	0.9839	-0.22557	8.43E-07
0.50358	0.296372	6.37E-11	0.040999	0.3767	0.025987	0.57537	0.000963	0.98344
0.5965	0.036538	0.43085	0.070545	0.12794	-0.06298	0.17422	-0.02769	0.55064
0.11728	-0.04565	0.32493	-0.13565	0.00331	-0.16717	0.00029	0.156889	0.00067
0.0883	0.535844	4.59E-36	0.296071	6.67E-11	0.304829	1.69E-11	0.252427	3.20E-08
6.53E-06	0.009621	0.83572	0.03868	0.40431	0.134722	0.00354	-0.03607	0.43677
2.78E-06	0.070275	0.1294	0.082352	0.07542	0.156478	0.00069	-0.06674	0.14986
0.84894	0.119663	0.00964	0.062317	0.17882	0.20409	8.77E-06	0.162561	0.00042
0.02427	0.048364	0.29696	0.129992	0.0049	0.13323	0.00392	-0.06045	0.19222
0.61903	0.221691	1.31E-06	0.080458	0.08241	0.068104	0.1417	0.051442	0.26725
0.00113	0.015219	0.7429	0.032204	0.48753	0.146008	0.00156	-0.15673	0.00068
0.1302	0.027259	0.55679	0.027588	0.55204	0.025874	0.57703	0.109281	0.01816
0.84413	0.081536	0.07837	0.075032	0.10536	0.094641	0.04092	0.003956	0.93206
1.90E-09	0.170639	0.00021	0.074557	0.10759	0.186706	4.91E-05	-0.15672	0.00068
0.56897	-0.04348	0.34846	-0.01264	0.78525	-0.0309	0.50527	0.003117	0.94643
0.00031	-0.21994	1.59E-06	-0.13092	0.0046	-0.19166	3.05E-05	-0.05959	0.19866
0.00028	-0.18218	7.51E-05	-0.08756	0.05867	-0.1323	0.00418	-0.03821	0.40999
0.00425	-0.09739	0.03537	-0.06959	0.1332	-0.07138	0.12346	-0.05604	0.22676
0.00067	-0.0363	0.4338	-0.00558	0.90428	0.119594	0.00969	-0.06742	0.14574
3.65E-05	-0.15843	0.00059	-0.28275	4.93E-10	-0.11645	0.01179	-0.09043	0.05082
0.84617	-0.05075	0.27373	-0.19674	1.85E-05	-0.07052	0.12807	-0.05182	0.2637
0.21173	0.033237	0.47366	0.055161	0.23414	0.025398	0.58406	0.000376	0.99353
0.04421	-0.0099	0.83103	0.004806	0.91749	-0.06415	0.16635	0.003879	0.93338
0.07812	-0.0027	0.95368	-0.01451	0.75441	-0.06038	0.19272	-0.0138	0.76614
3.99E-06	0.174832	0.00015	0.103134	0.02583	0.233829	3.21E-07	0.030248	0.51436
3.13E-07	0.084532	0.06798	0.123165	0.00771	0.209802	4.81E-06	-0.08024	0.08324
1.79E-08	-0.08086	0.0809	-0.11312	0.01445	0.01464	0.75235	-0.16618	0.00031
3.27E-08	0.092387	0.046	0.17815	0.00011	0.225303	8.69E-07	-0.14687	0.00146
0.23221	0.075002	0.1055	0.113707	0.01395	0.012628	0.78549	0.078586	0.08982
0.97393	0.200892	1.22E-05	0.209854	4.79E-06	0.257172	1.72E-08	0.105183	0.02301

0.03199	-0.00739	0.87343	0.024531	0.59695	-0.0173	0.70918	0.041691	0.36869
6.09E-10	0.251849	3.45E-08	0.140939	0.00227	0.293439	9.98E-11	0.015363	0.74055
0.00033	-0.06431	0.16532	-0.09258	0.04554	-0.09045	0.05076	-0.18735	4.62E-05
0.11593	0.087129	0.05992	0.059532	0.19908	0.13478	0.00352	-0.05452	0.2396
0.11073	0.098364	0.03358	0.063236	0.17249	0.100773	0.02945	0.001018	0.9825
1.18E-06	0.032525	0.4832	0.111498	0.01593	0.055972	0.22733	0.206255	7.00E-06
0.18665	0.042577	0.35859	0.017243	0.71015	0.091117	0.04908	0.110612	0.01679
0.00207	0.047171	0.30905	0.016841	0.71662	0.016999	0.71407	0.174418	0.00015
1.99E-06	0.306047	1.39E-11	0.219683	1.64E-06	0.295294	7.52E-11	0.292374	1.17E-10
0.00386	0.100235	0.03033	0.056522	0.22279	0.093419	0.04361	0.197559	1.71E-05
0.02233	0.158894	0.00057	0.045002	0.33186	0.102365	0.02697	0.0333	0.47282
0.5668	-0.01511	0.74467	-0.05294	0.25359	-0.03499	0.45063	0.144524	0.00174
0.1983	0.017602	0.7044	-0.00383	0.93416	-0.00995	0.83016	-0.05811	0.21
0.00225	0.008589	0.85314	5.31E-05	0.99909	0.084912	0.06675	-0.09304	0.04448
1.80E-09	-0.07973	0.08523	-0.03151	0.49702	0.059919	0.19617	-0.11577	0.0123
0.99079	-0.042	0.36518	-0.03437	0.45873	-0.0759	0.10138	-0.09448	0.04126
0.92741	-0.03602	0.43736	-0.04061	0.3813	-0.0608	0.18966	-0.08214	0.07619
0.00144	0.019552	0.67344	0.03279	0.47963	0.073236	0.11398	0.045215	0.32956
0.01589	0.135961	0.00324	0.155596	0.00074	0.121727	0.00846	0.089966	0.05203
0.15715	0.071816	0.12119	0.118457	0.01041	0.081219	0.07954	0.069987	0.13098
0.07913	-0.02254	0.62702	-0.08414	0.06927	0.0273	0.55621	-0.0676	0.14467
0.0161	0.113918	0.01377	-0.01374	0.76706	0.09641	0.03728	0.156577	0.00068
0.98269	0.045489	0.32664	-0.00188	0.9677	-0.02439	0.599	-0.00992	0.83076
1.38E-06	-0.3237	7.47E-13	-0.17238	0.00018	-0.22298	1.13E-06	-0.22689	7.24E-07
0.31723	-0.00573	0.9017	0.000326	0.9944	0.007699	0.8682	0.065735	0.15611
0.96435	-0.00947	0.83823	0.056507	0.22291	0.007488	0.87179	0.053425	0.24922
3.74E-05	0.420582	1.92E-21	0.094103	0.04209	0.149	0.00124	0.065234	0.1593
0.01133	-0.14386	0.00183	-0.1531	0.0009	-0.15579	0.00073	-0.13948	0.00252
0.23744	0.197444	1.73E-05	0.23132	4.32E-07	0.230207	4.93E-07	0.178572	0.0001
0.79801	-0.0052	0.91074	-0.01914	0.67999	-0.00823	0.85923	0.116493	0.01176
2.63E-12	-0.22154	1.33E-06	-0.21456	2.88E-06	-0.09625	0.03759	-0.19069	3.36E-05
6.39E-05	0.162726	0.00041	0.279356	8.07E-10	0.07006	0.13058	0.123194	0.00769
1.53E-05	0.098577	0.03319	0.031634	0.49527	0.174855	0.00015	-0.05719	0.21738
0.14402	0.121393	0.00864	0.064069	0.1669	0.03904	0.39994	0.112374	0.01511
0.21165	0.025367	0.58452	0.102418	0.02689	0.182584	7.23E-05	-0.00259	0.95555
0.9682	-0.10686	0.0209	-0.15468	0.0008	-0.12695	0.00601	0.031276	0.50017
0.36441	-0.067	0.14826	-0.13423	0.00366	-0.12116	0.00877	0.032561	0.4827
2.67E-09	0.46314	3.32E-26	0.219382	1.70E-06	0.101459	0.02836	0.282642	5.01E-10
0.91523	0.226804	7.31E-07	0.172218	0.00018	0.237815	1.99E-07	0.093755	0.04286
0.00099	-0.33322	1.43E-13	-0.15728	0.00065	-0.22018	1.55E-06	-0.29547	7.31E-11
0.00102	0.09758	0.03502	0.101001	0.02908	0.191809	3.01E-05	0.049734	0.28348
0.0527	-0.05094	0.27192	-0.07432	0.10874	0.004008	0.93117	-0.04061	0.38127
0.86407	0.201354	1.16E-05	0.225836	8.18E-07	0.232659	3.69E-07	0.16624	0.00031
0.41344	0.035423	0.44506	0.040316	0.38471	0.124347	0.00714	0.030368	0.51269
0.00066	0.207187	6.35E-06	0.181787	7.79E-05	0.145355	0.00164	0.151428	0.00103

0.04531	0.084566	0.06787	0.103859	0.0248	0.107822	0.01977	0.305424	1.54E-11
0.87444	-0.04353	0.34788	-0.03167	0.49478	-0.03584	0.43972	0.049642	0.28437
0.09625	0.224525	9.50E-07	0.036499	0.43134	0.008376	0.85673	-0.06661	0.15067
0.30043	-0.02641	0.56914	0.009517	0.83748	0.006437	0.88967	0.006297	0.89205
0.30877	0.00327	0.94381	0.066717	0.15	0.139464	0.00252	-0.03723	0.42216
0.28239	0.13425	0.00365	0.098496	0.03334	0.123981	0.00731	0.088332	0.05646
0.04046	0.107275	0.02041	0.12649	0.0062	0.244107	9.19E-08	0.095302	0.03953
0.02988	0.000653	0.98878	0.02289	0.62174	-0.03804	0.41218	0.158984	0.00056
0.03114	0.045636	0.32508	0.025628	0.58066	0.089901	0.0522	0.02463	0.59547
0.84188	0.10198	0.02755	0.15136	0.00103	0.188568	4.12E-05	0.124624	0.00701
0.00576	-0.03197	0.49065	-0.02173	0.63946	0.081222	0.07953	-0.00353	0.93943
0.50312	0.095179	0.03978	0.081259	0.07939	0.120765	0.00899	-0.04808	0.2998
0.0648	0.025765	0.57863	0.0162	0.72696	0.0476	0.30467	-0.06802	0.14218
0.35747	-0.12453	0.00705	-0.0029	0.95008	-0.06772	0.14395	0.024138	0.60285
0.01194	0.161935	0.00044	0.245809	7.43E-08	0.221964	1.27E-06	0.101245	0.02869
2.03E-13	-0.07361	0.11216	-0.07446	0.10804	0.069846	0.13176	-0.14329	0.00191
0.59274	0.016097	0.72863	0.099218	0.03206	0.065386	0.15833	0.064049	0.16703
0.98905	0.054023	0.24395	0.089509	0.05324	0.141056	0.00225	0.121023	0.00885
0.00044	-0.10531	0.02285	-0.04431	0.33937	-0.0685	0.13938	0.255834	2.05E-08
1.13E-05	-0.04023	0.38575	0.119376	0.00982	0.008622	0.85258	0.127743	0.0057
0.65592	-0.12242	0.00809	0.000286	0.99508	-0.00782	0.8661	-0.03005	0.51707
0.00021	-0.06051	0.19176	-0.01971	0.67095	0.058962	0.20342	-0.08064	0.08172
0.00303	0.149481	0.0012	0.181625	7.90E-05	0.121303	0.00869	0.159103	0.00056
0.62448	0.171187	0.0002	0.213435	3.26E-06	0.1216	0.00853	0.288888	1.99E-10
6.27E-07	-0.16332	0.00039	0.001794	0.96916	0.002009	0.96546	-0.03232	0.48593
0.00722	-0.01427	0.75842	-0.00348	0.9402	0.102099	0.02737	-0.06782	0.14335
0.01069	-0.07276	0.11638	-0.06939	0.1343	-0.06079	0.18975	-0.00094	0.98383
4.70E-06	-0.07446	0.10806	-0.01077	0.81643	-0.1038	0.02488	0.13383	0.00376
1.66E-06	-0.2422	1.16E-07	-0.08045	0.08245	-0.05547	0.23153	-0.28731	2.51E-10
3.36E-05	-0.11289	0.01465	-0.04711	0.30964	-0.02711	0.55892	-0.20817	5.72E-06
0.0111	-0.14087	0.00228	-0.26886	3.56E-09	-0.20619	7.05E-06	-0.17708	0.00012
0.02251	-0.10084	0.02934	-0.24196	1.20E-07	-0.19411	2.40E-05	-0.10526	0.02291
0.23309	0.092221	0.04639	-0.0039	0.93302	0.1115	0.01593	-0.01543	0.73943
0.08484	0.020169	0.66376	-0.06463	0.1632	0.094537	0.04114	-0.03207	0.48933
7.48E-10	0.009346	0.84036	0.028877	0.53361	-0.06939	0.13432	0.113488	0.01413
0.18876	0.114495	0.01329	-0.0056	0.90388	0.106685	0.02112	0.011401	0.80589
0.16011	0.17466	0.00015	0.176767	0.00012	0.309497	7.98E-12	0.234575	2.94E-07
0.00053	0.192549	2.80E-05	0.049301	0.2877	0.135277	0.0034	0.052852	0.25434
2.95E-12	0.067884	0.14299	0.057011	0.2188	0.18862	4.09E-05	-0.04829	0.29771
0.99576	0.05352	0.24837	0.034691	0.45452	0.174326	0.00015	0.073978	0.11036
0.07645	-0.03437	0.45872	-0.09038	0.05094	-0.07588	0.10146	-0.15737	0.00064
0.10191	-0.13096	0.00459	-0.27737	1.07E-09	-0.18098	8.39E-05	-0.10177	0.02787
0.01719	0.041577	0.37	0.003868	0.93357	0.084351	0.06858	0.018735	0.68634
0.06218	-0.01909	0.68065	0.005936	0.89821	-0.05024	0.27862	0.002831	0.95134
5.89E-09	0.026575	0.56674	-0.04797	0.30092	0.200436	1.28E-05	-0.04326	0.3509

0.86658	0.01305	0.7785	-0.01244	0.78853	0.046454	0.31647	-0.07807	0.09197
0.01	-0.01752	0.7057	-0.10191	0.02765	-0.11475	0.01309	0.254248	2.53E-08
0.42267	0.21707	2.19E-06	0.110913	0.01649	0.166949	0.00029	0.051727	0.2646
5.04E-07	0.150918	0.00107	0.119904	0.0095	0.2074	6.21E-06	0.285558	3.26E-10
1.03E-12	-0.05248	0.25766	-0.0424	0.36061	0.07498	0.10561	-0.11948	0.00976
0.00018	0.116639	0.01165	0.003108	0.9466	0.122287	0.00816	-0.05465	0.2385
8.04E-05	0.062076	0.18051	0.016786	0.71751	0.094686	0.04083	-0.01432	0.75755
2.79E-05	0.02843	0.53997	0.017875	0.70003	0.104628	0.02375	-0.08915	0.0542
0.15316	0.035708	0.4414	0.027352	0.55545	0.024652	0.59515	0.058969	0.20337
0.02993	0.03904	0.39994	-0.02415	0.60261	0.074967	0.10567	0.02016	0.66389
0.77368	-0.00937	0.83991	0.043212	0.35146	0.02422	0.60163	0.028947	0.53263
0.0035	0.084986	0.06651	-0.0202	0.66324	-0.02327	0.61596	-0.06229	0.17901
0.00029	-0.31024	7.07E-12	-0.18955	3.75E-05	-0.2386	1.81E-07	-0.24214	1.17E-07
0.00019	0.034347	0.45901	0.143583	0.00187	0.108018	0.01955	0.118363	0.01047
0.74255	0.431789	1.24E-22	0.228673	5.89E-07	0.184545	6.02E-05	0.364891	3.74E-16
0.25492	0.176855	0.00012	0.01487	0.74858	0.021404	0.64454	-0.06608	0.15393
0.00751	0.148119	0.00133	0.069833	0.13184	0.069837	0.13181	0.082975	0.07323
0.16598	0.036348	0.43325	-0.03551	0.44397	-0.02621	0.57203	0.192421	2.84E-05
0.14957	-0.10802	0.01955	-0.17541	0.00014	-0.20704	6.45E-06	0.135663	0.00331
0.35432	-0.06111	0.18744	-0.13232	0.00418	-0.1285	0.00542	0.173897	0.00016
2.54E-06	-0.31898	1.66E-12	-0.03072	0.50787	-0.06987	0.13162	-0.18523	5.65E-05
0.0804	-0.08183	0.07731	-0.17206	0.00019	-0.10422	0.0243	-0.05955	0.19892
0.09621	-0.20063	1.25E-05	-0.05949	0.19939	-0.11636	0.01186	0.029972	0.5182
0.00017	0.056359	0.22413	0.135083	0.00345	0.125653	0.00655	0.222896	1.14E-06
1.01E-05	0.125436	0.00664	0.177013	0.00012	0.249401	4.72E-08	-0.00131	0.97748
0.00019	0.226693	7.41E-07	0.245892	7.35E-08	0.134888	0.00349	0.27102	2.63E-09
0.03324	0.104196	0.02433	0.002117	0.96361	0.018795	0.6854	-0.01603	0.72968
2.19E-08	0.101483	0.02832	0.176662	0.00012	0.104562	0.02384	0.124076	0.00726
0.03875	-0.13176	0.00434	-0.06256	0.17715	-0.06602	0.15434	-0.09693	0.03626
0.99356	0.093272	0.04394	-0.07376	0.11141	-0.05786	0.21203	-0.09553	0.03905
0.14797	-0.01351	0.77088	-0.09732	0.03551	-0.10678	0.021	-0.12403	0.00729
2.62E-15	0.060074	0.19501	0.013497	0.77113	-0.05091	0.27225	0.241884	1.21E-07
4.09E-08	0.180796	8.53E-05	0.103908	0.02473	0.091172	0.04895	0.356812	1.81E-15
0.33257	-0.00461	0.92084	0.056555	0.22252	0.079813	0.08491	0.013655	0.76852
0.44499	0.044866	0.33332	-0.12098	0.00887	-0.0211	0.64919	0.049568	0.28508
0.90351	0.262141	8.89E-09	0.288196	2.20E-10	0.346019	1.40E-14	0.148844	0.00126
0.004	-0.09742	0.03533	-0.0355	0.44408	-0.07612	0.1004	0.026439	0.56874
0.00019	0.010426	0.82221	0.106774	0.02101	0.110862	0.01654	0.165028	0.00034
0.3182	0.04489	0.33306	0.047301	0.30772	0.039617	0.39301	0.034461	0.45752
0.99521	0.168333	0.00026	0.206939	6.52E-06	0.251305	3.70E-08	0.143772	0.00184
0.04919	-0.13674	0.00307	-0.14591	0.00157	-0.012	0.79589	-0.0745	0.10785
1.70E-08	0.091343	0.04852	0.168884	0.00025	0.290137	1.65E-10	-0.04851	0.29548
0.62744	0.157001	0.00066	0.131835	0.00432	0.215486	2.61E-06	0.106191	0.02172
0.2052	0.094252	0.04176	0.054267	0.24182	0.02258	0.62646	0.066282	0.15269
0.45689	0.173355	0.00017	0.100985	0.02911	0.166971	0.00029	0.102716	0.02644

0.00026	0.076115	0.10042	0.116191	0.01198	0.045333	0.3283	-0.098	0.03424
0.28313	0.091719	0.0476	0.089226	0.054	0.048414	0.29646	0.021333	0.64564
6.62E-16	0.177304	0.00012	0.17785	0.00011	0.093745	0.04288	0.208831	5.34E-06
0.57826	0.12059	0.00909	0.13206	0.00425	0.236189	2.42E-07	0.091585	0.04793
1.64E-06	0.270666	2.77E-09	0.239724	1.58E-07	0.319761	1.46E-12	0.10594	0.02204
0.58793	0.035272	0.44699	0.017662	0.70343	0.058926	0.2037	0.061618	0.18376
2.73E-06	-0.14092	0.00227	-0.10142	0.02842	-0.20167	1.12E-05	0.06899	0.13657
0.00022	-0.01243	0.78871	-0.02384	0.60733	-0.00477	0.91813	-0.06094	0.18862
0.81808	0.131784	0.00433	0.110347	0.01706	0.172402	0.00018	0.095879	0.03834
1.52E-05	0.124888	0.00689	0.092829	0.04496	0.260929	1.05E-08	0.029751	0.5213
1.81E-06	0.076951	0.09673	0.031047	0.5033	0.11786	0.0108	0.001627	0.97202
0.05874	0.132585	0.0041	0.065982	0.15456	0.119244	0.0099	0.153831	0.00085
1.32E-13	-0.0364	0.43263	-0.05123	0.26924	0.036022	0.43738	-0.14442	0.00175
0.30948	0.403684	9.90E-20	0.13067	0.00468	0.172092	0.00019	0.116179	0.01199
0.96289	0.025153	0.58769	0.082744	0.07404	0.087268	0.05951	-0.00728	0.87537
0.14791	0.185429	5.54E-05	-0.03261	0.482	0.20404	8.81E-06	0.109123	0.01833
0.11322	0.139312	0.00255	-0.0408	0.37904	0.208588	5.48E-06	0.118041	0.01068
9.48E-05	0.14375	0.00184	-0.02708	0.55946	0.093915	0.0425	-0.11736	0.01114
3.27E-08	0.042961	0.35427	0.129323	0.00513	0.305879	1.43E-11	-0.0139	0.76443
0.03345	0.210236	4.60E-06	0.12463	0.00701	0.268632	3.67E-09	0.011091	0.81107
1.49E-05	0.100358	0.03013	0.069907	0.13142	0.128784	0.00532	-0.0051	0.91256
1.43E-07	0.06646	0.15159	0.053971	0.24441	0.18977	3.67E-05	0.020189	0.66344
0.63089	0.067864	0.14311	0.003411	0.94139	0.07525	0.10435	0.09101	0.04935
0.10859	0.024107	0.60332	-0.01186	0.79818	0.034283	0.45984	-0.05801	0.21086
0.11207	0.041585	0.36991	0.120248	0.00929	0.010833	0.81539	0.157634	0.00063
0.14653	0.072031	0.12008	0.122272	0.00816	0.070732	0.12693	0.143831	0.00183
5.93E-11	-0.09089	0.04964	-0.11685	0.01151	-0.0023	0.9604	-0.12754	0.00578
9.92E-09	0.153173	0.0009	0.121828	0.0084	0.046119	0.31998	0.101611	0.02812
0.50689	0.15438	0.00082	-0.0232	0.61708	-0.07036	0.12893	-0.01879	0.68548
8.58E-07	0.06922	0.13527	-0.16111	0.00047	0.006418	0.88999	-0.12085	0.00894
0.15013	-0.05967	0.19805	-0.08819	0.05685	-0.11588	0.01221	-0.23009	4.99E-07
2.66E-06	0.123264	0.00766	-0.03025	0.51438	0.038871	0.40199	-0.17069	0.00021
1.89E-09	0.040013	0.3883	0.043187	0.35175	0.153045	0.00091	-0.09098	0.04943
0.00244	-0.0262	0.57217	-0.11197	0.01548	0.04075	0.37961	-0.14945	0.0012
0.35434	0.069589	0.1332	0.049078	0.28988	0.086176	0.06278	0.048036	0.30026
0.08708	0.053539	0.24821	-0.01389	0.76473	0.086553	0.06163	0.03062	0.5092
1.46E-05	0.113312	0.01428	0.059733	0.19756	0.010777	0.81632	0.241711	1.24E-07
0.01671	0.023062	0.61912	0.083319	0.07204	0.178853	0.0001	-0.03524	0.44735
0.00066	0.088337	0.05644	0.038246	0.40961	0.111845	0.0156	0.043646	0.34664
0.02106	-0.12043	0.00919	-0.15979	0.00053	-0.12069	0.00904	-0.02884	0.53419
0.00586	-0.10391	0.02473	-0.15299	0.00091	-0.12905	0.00522	-0.19595	2.00E-05
0.17531	0.034879	0.45208	0.041443	0.37155	0.0244	0.59892	0.050468	0.27642
3.29E-07	0.0976	0.03499	0.053721	0.2466	0.159197	0.00055	-0.0352	0.44786
9.71E-06	0.276016	1.30E-09	0.166291	0.00031	0.208376	5.60E-06	0.150948	0.00107
0.11209	0.008905	0.84781	-0.03294	0.47757	-0.06715	0.14734	-0.11134	0.01608

0.05593	-0.10714	0.02058	-0.09333	0.04382	-0.04686	0.31225	-0.07657	0.09841
0.14162	-0.05989	0.19638	-0.05866	0.20576	-0.04743	0.30644	-0.05144	0.2673
0.03616	0.008827	0.84912	-0.03591	0.43879	0.033228	0.47379	0.125475	0.00663
0.02704	0.154875	0.00078	0.156911	0.00067	0.190449	3.43E-05	0.248158	5.52E-08
0.29914	0.017048	0.71329	-0.09547	0.03918	-0.15125	0.00104	-0.01789	0.69982
0.82806	0.234549	2.95E-07	0.089475	0.05333	0.179054	0.0001	0.064056	0.16698
0.00044	0.019082	0.68085	-0.04463	0.33585	0.015606	0.73659	0.187413	4.59E-05
0.86377	0.099435	0.03168	0.116935	0.01144	0.218203	1.93E-06	0.037259	0.4218
0.06209	0.087421	0.05906	0.083734	0.07063	0.123932	0.00733	0.071125	0.12482
0.0015	-0.00029	0.99504	0.184762	5.90E-05	0.099877	0.03093	0.152637	0.00094
0.3543	0.274289	1.66E-09	-0.04601	0.32113	-0.0765	0.09869	-0.0276	0.55191
2.69E-13	0.025768	0.57858	0.110208	0.0172	0.195949	2.00E-05	-0.00619	0.89395
0.00136	0.024096	0.60348	0.055971	0.22734	0.134863	0.0035	-0.0455	0.32656
0.21712	0.138871	0.00263	0.175345	0.00014	0.200967	1.21E-05	0.226085	7.94E-07
1.76E-08	-0.075	0.10549	-0.03933	0.3964	0.015118	0.74454	0.026744	0.56429
1.38E-12	-0.01782	0.70088	-0.03663	0.42964	0.083765	0.07053	-0.04098	0.37691
0.18832	0.025536	0.58201	0.069356	0.1345	0.103427	0.02541	0.044734	0.33475
0.00308	-0.35166	4.85E-15	-0.24358	9.81E-08	-0.37747	2.91E-17	-0.05097	0.2717
3.58E-08	0.006695	0.88527	0.109748	0.01767	0.24486	8.36E-08	-0.05204	0.26175
0.0011	0.013105	0.77759	0.042943	0.35447	0.042877	0.35522	0.082174	0.07606
0.00974	-0.10389	0.02475	-0.12595	0.00642	-0.14551	0.00162	-0.1275	0.0058
0.50384	0.002834	0.95129	0.0027	0.95359	0.010706	0.81752	0.030216	0.51481
0.00053	-0.03034	0.51313	0.099827	0.03101	0.168016	0.00027	-0.03615	0.4358
9.05E-12	0.115279	0.01267	0.087854	0.05781	0.124211	0.0072	-0.05935	0.20048
0.59623	0.099661	0.0313	0.089457	0.05337	0.090864	0.04972	0.037801	0.41507
0.00667	-0.04955	0.28529	-0.00286	0.95082	0.057114	0.21797	-0.05478	0.23739
0.22626	-0.01464	0.75242	-0.03748	0.419	0.026338	0.57021	-0.01111	0.81069
7.80E-08	0.027318	0.55594	0.09562	0.03887	0.2865	2.84E-10	-0.05698	0.21907
1.36E-11	0.007498	0.87162	0.071728	0.12165	0.106377	0.02149	-0.07301	0.11513
1.23E-08	-0.08065	0.08166	-0.07284	0.11596	-0.06021	0.19397	0.20034	1.29E-05
0.00975	-0.06558	0.15711	-0.06309	0.17347	0.044478	0.33752	-0.09138	0.04844
0.22449	0.005906	0.89871	0.027786	0.54919	0.044877	0.3332	0.016056	0.72929
0.00342	-0.06942	0.13415	-0.05883	0.20442	-0.04525	0.32922	-0.19922	1.44E-05
0.05107	0.015991	0.73035	0.044267	0.33982	0.050901	0.27232	-0.05854	0.20667
0.01414	-0.06084	0.18937	-0.02535	0.58482	-0.02739	0.55488	-0.09494	0.04029
1.89E-06	0.048294	0.29767	0.025337	0.58496	0.078739	0.0892	-0.07514	0.10487
0.36468	0.355904	2.16E-15	0.101393	0.02846	0.120577	0.0091	-0.04079	0.37908
0.62319	-0.03132	0.49958	-0.05263	0.25634	0.013508	0.77094	-0.05311	0.25202
0.08378	0.027134	0.55862	-0.01787	0.70008	0.010724	0.81722	-0.0251	0.58854
0.88644	-0.06605	0.15411	-0.13272	0.00406	-0.10907	0.01839	-0.05059	0.27529
0.0037	-0.0957	0.03871	-0.10597	0.022	-0.17795	0.00011	-0.01829	0.69336
0.00525	-0.04671	0.31379	-0.14349	0.00188	-0.0793	0.08692	-0.08988	0.05225
0.00035	-0.01937	0.6763	-0.12438	0.00712	-0.06105	0.18786	-0.10626	0.02164
0.01636	0.023401	0.61397	0.024703	0.59438	0.062919	0.17466	-0.06223	0.17946
0.11298	-0.01413	0.7607	-0.01481	0.74953	-0.04452	0.33708	0.103917	0.02472

0.33138	-0.03137	0.49891	0.016202	0.72693	0.037292	0.42139	0.033023	0.47652
0.02151	0.069488	0.13376	0.149156	0.00123	0.080243	0.08323	0.20196	1.09E-05
0.0215	0.256678	1.84E-08	0.421862	1.41E-21	0.285905	3.10E-10	0.187184	4.70E-05
0.72766	0.160397	0.0005	0.090519	0.05059	0.141434	0.00219	0.144512	0.00174
5.24E-05	-0.28314	4.66E-10	-0.16942	0.00024	-0.17194	0.00019	-0.26183	9.28E-09
0.20993	0.008155	0.86047	-0.03059	0.5096	-0.03338	0.4717	0.070872	0.12617
0.12258	-0.01706	0.71315	-0.00257	0.9559	0.055324	0.23276	0.025665	0.5801
0.00129	-0.0129	0.78091	0.003946	0.93223	0.080602	0.08186	-0.02277	0.6236
0.41082	-0.01302	0.77907	-0.0583	0.20856	-0.06916	0.1356	0.015018	0.74618
0.2208	0.029693	0.52211	0.0212	0.64771	0.091662	0.04774	0.011886	0.79781
0.12679	-0.03772	0.41605	-0.01812	0.69613	0.014305	0.75784	-0.0141	0.76122
0.20246	-0.03691	0.42622	0.011239	0.8086	-0.01958	0.67304	-0.07244	0.11796
0.9923	0.01732	0.70891	0.074367	0.10849	0.044385	0.33853	0.011141	0.81023
0.05863	0.072321	0.11859	0.061125	0.1873	0.180659	8.64E-05	0.026725	0.56455
0.94455	-0.03413	0.46181	-0.07341	0.11314	-0.0559	0.22793	-0.00557	0.90438
0.27765	0.037091	0.4239	0.059382	0.20021	0.096713	0.03668	0.027961	0.54668
0.1614	0.022965	0.62059	0.017512	0.70584	0.041444	0.37153	0.019493	0.67436
0.23218	0.028449	0.53971	0.072869	0.11582	0.107977	0.0196	-0.01446	0.75535
2.49E-06	0.207286	6.28E-06	0.047002	0.31079	-0.00358	0.93853	0.211496	4.02E-06
0.13994	0.117338	0.01116	0.018832	0.68481	-0.03101	0.50378	0.061346	0.1857
0.73995	0.162523	0.00042	-0.02553	0.58205	-0.02827	0.54229	0.057052	0.21847
9.90E-06	0.252535	3.15E-08	0.228297	6.15E-07	0.14967	0.00118	0.341546	3.19E-14
1.40E-05	0.066771	0.14968	0.066019	0.15433	0.023113	0.61835	0.099092	0.03228
0.50105	0.029328	0.52724	-0.00049	0.99158	0.006615	0.88663	0.045913	0.32215
0.27659	-0.02773	0.54995	-0.05987	0.19652	-0.0327	0.48086	-0.05777	0.21276
1.24E-11	0.030442	0.51167	-0.03741	0.4199	0.038091	0.41151	-0.14586	0.00157
0.72508	0.016781	0.71758	0.048071	0.2999	0.008273	0.85849	0.071032	0.12531
0.32164	0.004196	0.92794	0.034454	0.45761	0.013886	0.76472	-0.01227	0.79148
0.00223	0.000182	0.99687	-0.01109	0.81111	0.175193	0.00014	-0.0487	0.29364
0.95448	0.071134	0.12477	0.095852	0.0384	0.021868	0.63739	0.05556	0.23078
0.32725	0.036923	0.42601	0.041411	0.37192	0.066774	0.14966	0.085818	0.06388
0.39845	0.034282	0.45986	0.071666	0.12197	0.081516	0.07844	0.06248	0.17769
0.9204	-0.06298	0.17421	-0.06854	0.13916	-0.04764	0.30428	0.009016	0.84593
0.89609	-0.00477	0.91805	0.018081	0.69675	-0.00486	0.9166	0.07004	0.13069
1.02E-06	0.234919	2.82E-07	0.194487	2.31E-05	0.065486	0.15769	0.167004	0.00029
2.50E-07	0.113977	0.01372	0.180086	9.10E-05	0.264558	6.41E-09	0.029911	0.51906
0.03705	-0.02416	0.60259	-0.05348	0.24877	-0.02258	0.62649	-0.0863	0.0624
1.88E-05	0.402122	1.41E-19	0.292564	1.14E-10	0.319922	1.42E-12	0.248713	5.15E-08
0.0094	0.032541	0.48298	-0.04739	0.30679	0.039058	0.39973	-0.10546	0.02265
0.89584	-0.09506	0.04003	-0.02665	0.56571	-0.07117	0.12456	-0.01938	0.67614
0.00093	0.149513	0.00119	0.169786	0.00023	0.138064	0.00279	0.139138	0.00258
0.04427	-0.09412	0.04206	-0.06046	0.19218	-0.05851	0.20694	-0.09705	0.03604
0.1824	-0.24122	1.31E-07	-0.06864	0.13859	-0.07553	0.10306	-0.10057	0.02978
0.17049	-0.1157	0.01235	-0.04699	0.31095	-0.05522	0.23368	-0.05817	0.20954
0.51868	-0.08389	0.07011	-0.02154	0.6425	0.001908	0.9672	-0.00787	0.86534



0.72847	0.013444	0.772	0.083887	0.07012	0.114512	0.01328	0.058373	0.20798
0.491	0.092715	0.04523	0.068301	0.14054	0.071373	0.12351	0.039124	0.39894
0.70352	0.051368	0.26793	0.051277	0.26878	0.074225	0.10917	-0.01752	0.70574
0.22752	0.359086	1.17E-15	0.2086	5.47E-06	0.169368	0.00024	0.094503	0.04122
1.32E-08	-0.04009	0.3874	-0.01776	0.7018	-0.02891	0.53318	-0.17382	0.00016
0.07028	0.068622	0.13869	0.131409	0.00445	0.075029	0.10538	0.097491	0.03519
0.85947	-0.00409	0.92981	0.033838	0.4657	-0.00793	0.8643	-0.00509	0.91261
0.47723	-0.06598	0.15458	0.001461	0.97488	-0.05142	0.2675	-0.01861	0.68825
0.9102	0.017591	0.70457	0.027465	0.55382	0.021837	0.63786	-0.01347	0.77162
0.24207	0.097845	0.03453	0.045953	0.32172	0.059892	0.19637	0.122396	0.0081
0.22527	-0.03389	0.46507	0.067707	0.14404	0.003887	0.93324	-0.04398	0.343
0.57312	-0.0439	0.34389	-0.09901	0.03243	-0.06216	0.17992	-0.11198	0.01548
3.00E-05	-0.14157	0.00217	-0.09425	0.04177	-0.12401	0.00729	-0.21923	1.72E-06
0.04789	0.120961	0.00888	0.072061	0.11992	0.087337	0.05931	0.115118	0.0128
0.72928	-0.00756	0.87057	-0.01022	0.82574	-0.00401	0.93107	0.028787	0.5349
0.85108	-0.05959	0.19867	-0.06912	0.13581	-0.08222	0.0759	-0.01741	0.70755
0.11116	0.188808	4.02E-05	0.108398	0.01912	0.089428	0.05345	0.09006	0.05178
0.34791	-0.18924	3.86E-05	0.022663	0.6252	-0.14195	0.00211	-0.09264	0.04541
2.26E-05	-0.04123	0.37403	0.074438	0.10816	0.01823	0.69437	0.15933	0.00055
3.27E-17	0.14745	0.0014	0.098103	0.03405	0.009096	0.84458	0.283065	4.71E-10
0.60575	0.056139	0.22595	0.059192	0.20166	0.094586	0.04104	0.173079	0.00017
0.04548	0.009404	0.83939	0.113612	0.01403	0.071615	0.12224	0.122769	0.00791
0.87973	-0.06139	0.18537	-0.03798	0.41292	-0.05619	0.2255	-0.0031	0.94681
0.71721	0.001613	0.97228	0.049561	0.28516	0.02055	0.6578	0.013806	0.76603
0.34076	0.027809	0.54887	0.031632	0.49529	0.057471	0.21511	0.015667	0.7356
1.52E-05	-0.30817	9.89E-12	-0.35698	1.76E-15	-0.29396	9.22E-11	-0.18153	7.97E-05
0.0332	-0.12772	0.00571	-0.1429	0.00196	-0.13985	0.00245	-0.02684	0.56293
0.00088	-0.09199	0.04696	-0.09013	0.05161	-0.18716	4.71E-05	0.027272	0.5566
2.88E-06	-0.0407	0.38025	-0.00768	0.86854	-0.13336	0.00389	0.015012	0.74627
0.04004	-0.12996	0.00491	-0.22947	5.37E-07	-0.22629	7.76E-07	-0.0908	0.04987
0.06574	0.263324	7.58E-09	0.205183	7.83E-06	0.334429	1.15E-13	0.134396	0.00362
0.00259	0.119039	0.01003	0.110098	0.01731	0.069571	0.13329	0.229483	5.36E-07
0.00141	0.086237	0.06259	0.124532	0.00705	0.054458	0.24017	0.035435	0.44489
0.06176	0.152257	0.00096	0.155942	0.00072	0.184007	6.33E-05	0.080787	0.08116
8.44E-06	0.284473	3.83E-10	0.168954	0.00024	0.321229	1.14E-12	0.032662	0.48135
0.00117	0.415902	5.86E-21	0.191123	3.22E-05	0.288594	2.08E-10	0.15197	0.00099
0.00423	-0.20404	8.82E-06	-0.16105	0.00048	-0.2224	1.21E-06	0.085671	0.06434
0.00421	0.077914	0.09261	0.049778	0.28305	0.086971	0.06038	0.11442	0.01336
2.38E-15	0.084268	0.06885	-0.02938	0.52644	-0.06446	0.16433	0.208391	5.59E-06
0.03512	-0.11529	0.01267	-0.13123	0.0045	-0.13796	0.00281	-0.0258	0.57809
0.7239	-0.09279	0.04504	-0.09484	0.04049	-0.11647	0.01178	0.014393	0.7564
3.64E-06	0.230317	4.86E-07	0.144885	0.00169	0.203118	9.70E-06	0.176064	0.00013
0.03418	-0.05396	0.24452	-0.05495	0.23595	-0.07265	0.11691	-0.00056	0.99039
0.00046	-0.06518	0.15962	-0.08613	0.06291	-0.04653	0.31569	-0.13178	0.00434
0.00017	-0.04752	0.30548	-0.03652	0.43113	0.093576	0.04326	-0.06869	0.1383

5.78E-05	0.002716	0.95333	-0.04236	0.36101	0.104037	0.02455	-0.03758	0.41785
0.05943	0.038077	0.41168	0.178517	0.00011	0.157947	0.00061	0.059417	0.19994
5.76E-24	0.075886	0.10145	0.120815	0.00896	0.004932	0.91535	0.343852	2.09E-14
3.80E-20	0.184441	6.08E-05	0.073376	0.1133	0.029861	0.51975	0.172951	0.00017
0.25908	-0.11702	0.01138	-0.09734	0.03547	-0.12569	0.00653	-0.18363	6.56E-05
0.72628	-0.30871	9.06E-12	-0.09955	0.03149	-0.17824	0.00011	-0.11453	0.01327
2.17E-06	-0.02275	0.62381	0.109876	0.01754	0.152563	0.00094	0.053495	0.2486
0.57603	0.024629	0.5955	0.040824	0.37875	0.029125	0.53011	0.008418	0.85602
0.31486	0.017524	0.70564	-0.01162	0.80217	0.026442	0.56869	0.03201	0.49015
0.0021	0.062337	0.17869	0.079882	0.08464	0.131762	0.00434	0.035745	0.44092
0.04409	0.00571	0.90205	-0.05931	0.20078	-0.00058	0.99001	0.074394	0.10836
4.00E-06	-0.03266	0.48143	-0.02631	0.57055	-0.03973	0.39168	0.126164	0.00633
0.0597	0.033954	0.46417	0.048772	0.2929	0.051725	0.26462	0.078426	0.09048
0.10424	-0.01252	0.78731	0.090483	0.05069	0.203239	9.58E-06	0.053743	0.2464
5.77E-06	0.054213	0.2423	0.086177	0.06277	0.155432	0.00075	0.024679	0.59474
0.01983	0.082986	0.07319	0.03751	0.41868	0.03696	0.42555	0.145271	0.00165
0.49027	0.138386	0.00273	0.085438	0.06507	0.131758	0.00434	0.013483	0.77136
0.32146	0.004921	0.91554	0.077168	0.09579	0.076206	0.10001	-0.00149	0.97437
0.48781	-0.0081	0.86139	-0.12981	0.00496	-0.01187	0.79801	0.01976	0.67016
0.45614	0.017912	0.69945	-0.15279	0.00092	-0.04948	0.28591	-0.03033	0.51325
0.37915	0.068124	0.14158	-0.12651	0.00619	-0.03704	0.42459	-0.05984	0.19673
0.08018	0.013202	0.77599	-0.07627	0.09971	-0.1437	0.00185	-0.12254	0.00803
0.52336	0.301044	3.08E-11	0.039977	0.38872	0.100917	0.02922	0.080511	0.08221
0.45361	0.410797	1.94E-20	0.266338	5.03E-09	0.318149	1.91E-12	0.294816	8.09E-11
2.63E-09	-0.07807	0.09198	-0.01902	0.68183	0.108093	0.01946	-0.19884	1.50E-05
3.39E-05	0.03339	0.47163	0.107281	0.0204	0.233932	3.17E-07	-0.06539	0.15827
0.03443	0.108833	0.01864	-0.02491	0.59138	0.047686	0.3038	-0.00615	0.89453
0.00795	0.115558	0.01246	0.062902	0.17477	0.096594	0.03691	0.151346	0.00104
0.2444	0.001508	0.97407	0.034255	0.46022	0.018635	0.68793	-0.01607	0.72913
0.22916	-0.09517	0.03979	-0.13676	0.00306	-0.15521	0.00076	-0.03769	0.41641
0.19159	-0.0353	0.44663	0.034651	0.45505	0.080713	0.08144	-0.12092	0.0089
0.34657	-0.11296	0.01459	-0.11217	0.01531	-0.07488	0.10605	-0.0752	0.1046
0.00492	0.056399	0.2238	0.0062	0.89369	0.053607	0.2476	0.054767	0.23751
0.01464	0.158505	0.00059	0.138594	0.00269	0.065034	0.16058	0.200224	1.30E-05
0.00056	0.104335	0.02414	0.129095	0.00521	0.11634	0.01187	0.031039	0.50341
0.00107	-0.16539	0.00033	-0.1967	1.86E-05	-0.25109	3.80E-08	-0.22966	5.25E-07
0.86072	0.216008	2.46E-06	0.111487	0.01594	0.000254	0.99563	0.071228	0.12427
0.18727	0.075715	0.10222	0.230267	4.89E-07	0.19369	2.50E-05	0.044911	0.33283
0.43773	0.207184	6.35E-06	0.241774	1.23E-07	0.319427	1.54E-12	0.168358	0.00026
0.03741	0.00416	0.92855	0.089615	0.05295	0.033383	0.47172	0.031927	0.49129
0.16307	0.147802	0.00136	0.162795	0.00041	0.201878	1.10E-05	0.080172	0.08351
3.65E-17	-0.15351	0.00087	0.039875	0.38994	-0.10049	0.02992	0.176443	0.00013
1.08E-07	0.171927	0.00019	0.148367	0.0013	0.141977	0.0021	0.205187	7.83E-06
0.00016	0.003359	0.9423	-0.00967	0.83497	-0.08755	0.0587	0.091746	0.04753
0.37873	-0.00882	0.84923	0.017368	0.70815	0.024972	0.59037	-0.001	0.98274

0.84311	0.00517	0.91128	-0.06224	0.17939	0.030779	0.507	-0.00642	0.88998
0.96403	-0.02025	0.66246	-0.10747	0.02019	0.0065	0.8886	-0.03474	0.45383
1.02E-11	-0.08799	0.05744	0.062627	0.17667	0.051407	0.26757	-0.24068	1.40E-07
0.1834	-0.00716	0.87729	0.043672	0.34636	0.096275	0.03755	0.00295	0.94931
0.00538	0.153578	0.00087	0.176269	0.00013	0.158216	0.0006	0.154043	0.00084
0.06755	0.171781	0.00019	0.126868	0.00604	0.280506	6.84E-10	0.050329	0.27775
0.3767	0.177225	0.00012	0.200879	1.22E-05	0.1948	2.24E-05	0.163881	0.00038
0.00237	-0.04706	0.31024	-0.02539	0.58422	0.013191	0.77617	-0.07032	0.12917
0.65879	0.186987	4.78E-05	0.143321	0.0019	0.191048	3.24E-05	0.059875	0.1965
0.40438	-0.01283	0.78217	-0.04939	0.28686	-0.04636	0.31749	-0.02021	0.6631
9.30E-21	0.244619	8.62E-08	0.173145	0.00017	0.0343	0.45963	0.307029	1.19E-11
0.4294	0.107158	0.02055	0.140959	0.00226	0.15944	0.00054	0.081079	0.08006
0.81947	0.051324	0.26835	-0.02865	0.53689	-0.00222	0.96185	0.030652	0.50875
0.3131	0.14187	0.00212	0.152924	0.00092	0.10984	0.01757	0.156049	0.00071
0.08677	-0.24329	1.02E-07	-0.22885	5.77E-07	-0.29614	6.60E-11	-0.19217	2.91E-05
0.21219	0.167891	0.00027	0.172114	0.00019	0.203269	9.55E-06	0.03184	0.49246
2.79E-16	0.002622	0.95494	0.054921	0.23619	-0.1048	0.02351	0.207322	6.26E-06
0.00011	0.45234	6.22E-25	0.270553	2.81E-09	0.355456	2.36E-15	-0.0002	0.99654
0.1083	0.067078	0.14781	0.107772	0.01983	0.131291	0.00448	0.129657	0.00501
8.96E-11	-0.1286	0.00538	-0.17232	0.00018	-0.10073	0.02952	-0.17005	0.00022
0.14384	-0.18169	7.86E-05	-0.03722	0.4223	-0.15903	0.00056	-0.1962	1.95E-05
0.88991	0.013297	0.77443	-0.07957	0.08584	0.065978	0.15458	0.064538	0.1638
0.05501	0.008269	0.85855	-0.14692	0.00145	-0.09937	0.03179	-0.1433	0.00191
2.69E-05	-0.21171	3.93E-06	-0.1192	0.00993	-0.21947	1.68E-06	-0.00764	0.86924
3.76E-10	-0.00167	0.97125	0.054341	0.24118	-0.06191	0.18165	0.20116	1.19E-05
0.57509	0.05652	0.2228	0.101696	0.02799	0.07175	0.12153	0.040478	0.3828
3.29E-05	0.274341	1.65E-09	0.064464	0.16429	0.19561	2.07E-05	-0.05666	0.22162
0.05715	0.039084	0.39941	-0.00568	0.90261	-0.11003	0.01738	-0.13472	0.00354
0.01041	0.209055	5.21E-06	0.243188	1.03E-07	0.350683	5.84E-15	0.084719	0.06737
0.80402	0.174882	0.00015	0.059952	0.19592	0.128848	0.00529	0.048678	0.29384
0.51199	0.149787	0.00117	0.098472	0.03338	0.144917	0.00169	0.031583	0.49596
5.10E-05	-0.22629	7.76E-07	0.031609	0.49561	-0.01961	0.67256	-0.23311	3.50E-07
0.00605	0.031879	0.49193	0.072547	0.11744	0.009299	0.84115	-0.07034	0.12903
0.09635	-0.07714	0.09592	-0.10459	0.0238	-0.08179	0.07744	-0.07594	0.10119
0.03904	-0.08088	0.0808	-0.04896	0.29103	-0.05993	0.19607	-0.04976	0.28318
0.02065	-0.1944	2.33E-05	-0.22464	9.38E-07	-0.23777	2.00E-07	0.000144	0.99752
0.60433	0.062202	0.17963	0.012868	0.78151	0.005991	0.89726	0.028316	0.5416
0.22846	0.084533	0.06798	-0.00585	0.89965	0.051667	0.26516	0.02466	0.59503
0.01866	0.07093	0.12586	0.037622	0.4173	0.001279	0.97801	0.007752	0.86731
0.07091	0.041428	0.37173	0.05227	0.25961	0.030101	0.51641	0.100606	0.02972
0.18552	0.031599	0.49574	0.00616	0.89438	0.013617	0.76914	0.100439	0.02999
0.8893	-0.00285	0.95096	0.002669	0.95413	-0.02195	0.63609	0.001645	0.97172
0.12762	0.048592	0.29469	0.017771	0.70169	0.021674	0.64037	0.02666	0.5655
0.31136	-0.03018	0.51532	-0.00342	0.9413	-0.02195	0.63613	-0.01017	0.82652
8.77E-06	0.030177	0.51535	-0.01892	0.68338	0.060682	0.19052	-0.15871	0.00058

0.12652	0.075708	0.10225	0.053361	0.24979	0.085407	0.06517	0.152934	0.00091
0.80823	0.063341	0.17178	0.013855	0.76523	0.041364	0.37246	0.024557	0.59658
3.17E-05	-0.14715	0.00143	-0.15918	0.00055	-0.25162	3.55E-08	0.064397	0.16473
0.11224	-0.02758	0.55209	-0.03811	0.41125	-0.08428	0.06879	0.095078	0.03999
0.3299	-0.2307	4.65E-07	-0.16417	0.00037	-0.26692	4.65E-09	-0.10673	0.02106
0.36193	-0.10754	0.0201	0.10581	0.0222	0.025645	0.58041	0.054109	0.2432
0.00342	0.23682	2.24E-07	0.199974	1.34E-05	0.186174	5.17E-05	0.341621	3.14E-14
4.92E-07	0.091101	0.04912	-0.10091	0.02922	-0.10182	0.02779	0.1072	0.0205
0.00776	-0.0929	0.0448	-0.14855	0.00128	-0.08818	0.0569	-0.01795	0.69879
0.00095	0.199337	1.43E-05	0.191808	3.01E-05	0.139525	0.00251	0.005876	0.89922
0.0097	0.031098	0.50261	-0.06439	0.16476	-0.12441	0.00711	0.104787	0.02354
0.29012	0.080345	0.08284	0.102782	0.02635	0.253095	2.93E-08	0.045834	0.32298
0.34944	0.058038	0.2106	0.000125	0.99785	0.167247	0.00028	0.117164	0.01128
0.44154	-0.11006	0.01735	-0.11696	0.01142	-0.22944	5.39E-07	0.002402	0.95871
1.70E-05	-0.09808	0.03409	0.093883	0.04257	-0.06397	0.16757	0.095573	0.03897
5.41E-08	-0.10363	0.02513	-0.06804	0.14207	-0.04614	0.31976	-0.06034	0.19304
0.00515	0.091387	0.04841	0.076729	0.0977	-0.04216	0.36337	-0.01828	0.69354
0.00369	-0.09035	0.05103	-0.08651	0.06175	-0.05295	0.25348	-0.11785	0.01081
0.00017	-0.10657	0.02126	-0.05432	0.24138	-0.04101	0.37659	-0.18714	4.72E-05
1.46E-12	-0.05506	0.23496	0.06703	0.1481	-0.11517	0.01276	0.134484	0.00359
0.00961	-0.08358	0.07115	-0.01745	0.70684	-0.03429	0.45976	-0.01442	0.75601
1.52E-05	-0.20063	1.25E-05	-0.06215	0.17998	-0.20516	7.85E-06	0.032387	0.48506
3.50E-08	0.141032	0.00225	0.140388	0.00236	0.143351	0.0019	0.223423	1.08E-06
0.04462	0.098146	0.03397	0.144096	0.0018	0.105872	0.02212	0.15366	0.00086
0.11189	0.237071	2.18E-07	0.185178	5.68E-05	0.331772	1.84E-13	0.13664	0.00309
0.00116	-0.01845	0.69092	0.106128	0.0218	0.135195	0.00342	-0.00483	0.91711
0.00014	0.376922	3.26E-17	0.22958	5.30E-07	0.266531	4.90E-09	0.261666	9.48E-09
0.6643	0.108985	0.01848	0.13542	0.00337	0.164493	0.00036	0.044205	0.34049
0.00036	0.102062	0.02742	0.152612	0.00094	0.156698	0.00068	-0.03644	0.43209
0.0001	-0.06217	0.17986	-0.00753	0.87113	-0.12902	0.00523	-0.01109	0.81117
0.00516	0.142787	0.00198	0.103437	0.0254	0.150507	0.0011	0.174877	0.00015
0.92622	0.100321	0.03019	0.117974	0.01073	0.153262	0.00089	0.098204	0.03387
9.30E-14	0.084071	0.0695	0.055242	0.23345	0.257182	1.72E-08	0.015519	0.73801
0.12619	0.074532	0.10771	0.098596	0.03316	0.098869	0.03267	0.121659	0.00849
0.00028	-0.01641	0.72355	0.050027	0.28065	0.160279	0.00051	-0.03545	0.44475
1.04E-13	0.035503	0.44403	0.144677	0.00172	0.230015	5.04E-07	-0.07231	0.11863
6.41E-14	-0.04167	0.36891	-0.00512	0.91211	0.195358	2.12E-05	-0.07993	0.08445
0.01346	-0.00445	0.92366	0.087378	0.05919	0.069754	0.13227	0.033635	0.46838
0.01581	-0.02203	0.63485	0.084743	0.06729	0.074187	0.10935	0.015904	0.73176
1.20E-05	0.075458	0.10339	0.067222	0.14694	0.175737	0.00013	0.045446	0.3271
9.92E-09	0.10671	0.02109	0.044874	0.33323	-0.13602	0.00323	0.183657	6.55E-05
7.26E-10	0.188093	4.31E-05	0.129522	0.00506	-0.04006	0.38777	0.260593	1.09E-08
0.00291	-0.05865	0.20583	-0.02078	0.65424	-0.00051	0.9913	0.020312	0.66151
0.87803	0.143426	0.00189	0.064437	0.16447	0.102213	0.02719	0.064368	0.16492
0.074	0.349664	7.08E-15	0.18432	6.15E-05	0.325584	5.41E-13	0.106177	0.02174

3.25E-06	-0.00466	0.92002	-0.03725	0.42191	0.078324	0.0909	-0.20284	9.97E-06
0.03017	0.095059	0.04003	0.133547	0.00384	0.152365	0.00096	0.119525	0.00973
0.06744	0.006494	0.88869	0.095736	0.03863	0.058306	0.2085	0.067584	0.14477
0.0047	0.045093	0.33088	0.104691	0.02366	0.1071	0.02062	0.075696	0.10231
1.05E-07	0.211915	3.84E-06	0.244492	8.76E-08	0.184081	6.29E-05	0.333804	1.28E-13
0.46528	-0.07771	0.09347	-0.02022	0.66294	-0.08318	0.07254	-0.04068	0.38037
0.28122	0.022116	0.63357	-0.03168	0.49463	-0.01009	0.82783	0.038889	0.40177
0.0056	0.020176	0.66365	0.031299	0.49985	0.083528	0.07133	-0.03491	0.4517
0.71501	0.135792	0.00328	0.15245	0.00095	0.237329	2.11E-07	0.062191	0.17971
0.00014	0.007821	0.86615	0.026523	0.5675	-0.08674	0.06108	0.091969	0.04699
3.31E-21	-0.18064	8.65E-05	0.095896	0.03831	0.201053	1.20E-05	-0.14389	0.00182
0.01185	0.367338	2.29E-16	0.168135	0.00026	0.187002	4.78E-05	0.122532	0.00803
0.08995	0.127819	0.00567	0.126084	0.00637	0.169975	0.00022	0.36914	1.60E-16
0.02016	-0.0598	0.19704	-0.00734	0.87437	-0.02634	0.57015	0.077663	0.09367
0.41303	-0.1299	0.00493	-0.20077	1.23E-05	-0.2113	4.10E-06	-0.08013	0.08367
7.03E-12	0.050083	0.28011	0.028868	0.53374	-0.05871	0.20534	0.140094	0.00241
0.00029	0.227207	6.98E-07	0.113656	0.01399	0.195344	2.13E-05	0.141059	0.00225
1.12E-07	0.158377	0.00059	-0.03988	0.38987	-0.06505	0.16049	0.087066	0.0601
0.97478	0.103096	0.02589	0.099638	0.03134	0.179402	9.69E-05	0.108363	0.01916
0.80614	-0.03494	0.45127	-0.06878	0.1378	-0.10714	0.02057	-0.16111	0.00047
0.00231	0.286875	2.68E-10	0.136502	0.00312	0.130468	0.00474	0.007867	0.86536
0.27556	0.050638	0.27481	-0.04755	0.30522	0.14218	0.00207	0.065757	0.15597
9.01E-07	0.102189	0.02723	-0.08081	0.08106	0.036761	0.42803	-0.14606	0.00155
3.48E-14	0.056879	0.21988	0.011292	0.80772	0.160827	0.00048	-0.13237	0.00416
1.44E-26	0.212002	3.80E-06	0.144875	0.0017	0.083292	0.07214	0.253063	2.95E-08
0.48748	-0.00745	0.87243	0.029161	0.5296	0.084691	0.06747	0.082146	0.07616
5.81E-06	0.201944	1.09E-05	0.190487	3.42E-05	0.323557	7.66E-13	0.053485	0.24868
7.19E-05	-0.04657	0.31521	0.010426	0.8222	0.019542	0.6736	-0.08644	0.06197
0.01906	-0.12852	0.00541	-0.156	0.00072	-0.11882	0.01017	-0.05124	0.26917
1.16E-05	0.093379	0.0437	0.071462	0.12304	0.266768	4.74E-09	-0.02955	0.52412
0.01858	-0.08632	0.06235	-0.07449	0.10789	-0.05122	0.26928	-0.1773	0.00012
0.0445	0.091651	0.04777	-0.02603	0.5747	0.053127	0.25187	0.077942	0.09249
0.27875	0.001563	0.97312	0.047349	0.30723	0.04798	0.30082	0.009577	0.83647
0.00018	0.054009	0.24407	-0.04445	0.33786	0.021251	0.64692	0.059955	0.19589
0.18738	-0.04527	0.32898	-0.1663	0.00031	-0.0399	0.38959	-0.06433	0.16514
0.07065	0.055491	0.23135	-0.02001	0.66632	0.040496	0.38259	-0.04805	0.30014
0.74591	0.072984	0.11524	-0.00553	0.90515	0.076985	0.09658	0.084183	0.06913
0.12913	0.055074	0.23488	-0.04096	0.37718	0.034035	0.4631	-0.04067	0.38052
0.83139	0.109271	0.01817	0.082691	0.07422	0.121839	0.0084	-0.01381	0.76594
0.73655	0.084278	0.06882	0.046807	0.31281	0.116237	0.01195	0.028959	0.53246
1.53E-06	0.052423	0.25822	0.107105	0.02061	0.296526	6.22E-11	0.020711	0.6553
0.93397	0.131308	0.00448	0.04717	0.30907	0.066576	0.15087	0.03798	0.41288
0.4653	0.051469	0.267	0.089494	0.05328	0.183788	6.47E-05	0.037538	0.41833
2.86E-08	-0.01964	0.672	0.018625	0.68809	0.104138	0.02442	-0.12383	0.00738
0.00218	0.032411	0.48474	0.115419	0.01256	0.233699	3.26E-07	-0.02245	0.62841

0.34455	0.090172	0.05149	0.038078	0.41167	0.082601	0.07454	-0.02784	0.54839
0.90079	0.057273	0.21669	0.090902	0.04962	0.121106	0.0088	0.08751	0.0588
0.04271	0.002672	0.95407	0.106305	0.02158	0.210882	4.29E-06	0.004122	0.9292
0.19292	0.161596	0.00046	0.007496	0.87165	0.202344	1.05E-05	0.07784	0.09292
0.00253	0.057479	0.21504	-0.0594	0.20009	0.066757	0.14976	-0.01318	0.77633
2.92E-05	-0.14443	0.00175	0.034978	0.45079	0.000688	0.98817	-0.08372	0.07066
3.57E-05	-0.08889	0.05491	-0.04479	0.33409	0.04624	0.31872	-0.20962	4.91E-06
0.00651	0.248696	5.16E-08	0.195027	2.19E-05	0.236333	2.38E-07	0.035646	0.44219
0.81916	0.046326	0.31781	0.092441	0.04587	0.081011	0.08032	0.069096	0.13597
0.07994	-0.00257	0.95584	-0.00029	0.99508	0.002506	0.95692	-0.1003	0.03023
9.07E-16	0.02729	0.55635	0.031739	0.49384	-0.04121	0.37423	0.332491	1.62E-13
0.19687	-0.06483	0.16189	-0.13275	0.00406	-0.04111	0.37546	-0.08372	0.07068
4.80E-24	-0.01234	0.79024	0.015188	0.7434	0.190522	3.41E-05	-0.16616	0.00031
0.05721	0.088918	0.05483	0.036249	0.4345	0.050907	0.27226	0.012165	0.79318
0.60215	0.076481	0.09879	0.041435	0.37164	0.198471	1.56E-05	0.128609	0.00538
0.83576	-0.04546	0.3269	-0.10124	0.0287	-0.05599	0.22721	0.010528	0.8205
0.71571	0.367288	2.32E-16	0.146609	0.00149	0.20504	7.95E-06	0.13563	0.00332
2.33E-08	-0.1057	0.02234	-0.01228	0.79123	-0.18049	8.77E-05	0.166775	0.00029
8.19E-20	0.153443	0.00088	0.077446	0.0946	-0.04556	0.32585	0.233248	3.44E-07
0.00017	-0.0377	0.41638	-0.04425	0.34004	-0.09349	0.04346	0.089413	0.05349
0.0008	0.159952	0.00052	0.132414	0.00415	0.095817	0.03847	0.162606	0.00042
0.45251	-0.04236	0.36111	0.203276	9.54E-06	0.135198	0.00342	0.08346	0.07156
1.15E-07	-0.00737	0.87378	0.032637	0.48169	0.173031	0.00017	-0.16055	0.0005
0.75133	-0.01407	0.7617	0.016283	0.72562	-0.05341	0.24937	-0.01643	0.72316
0.06297	-0.25079	3.95E-08	-0.1313	0.00448	-0.22916	5.56E-07	-0.02193	0.63646
0.035	-0.04687	0.3122	0.015545	0.73759	0.057669	0.21352	0.009869	0.83155
0.15785	0.12148	0.00859	0.127624	0.00575	0.093139	0.04425	0.11744	0.01109
0.0008	-0.03	0.51779	0.109739	0.01768	0.095421	0.03928	0.016867	0.7162
0.99458	0.133863	0.00375	0.192954	2.69E-05	0.181135	8.27E-05	0.083034	0.07303
0.64797	0.155366	0.00075	0.059681	0.19795	0.086792	0.06092	0.104921	0.02336
0.13584	-0.05212	0.26103	-0.06285	0.17514	-0.02941	0.52603	-0.09352	0.04339
9.08E-09	-0.09774	0.03473	-0.19792	1.65E-05	-0.02721	0.55755	-0.1327	0.00407
0.69971	0.017441	0.70697	0.083978	0.06981	0.116184	0.01199	0.02843	0.53997
0.00039	-0.0321	0.48891	-0.00414	0.92886	0.133053	0.00397	-0.05323	0.251
0.35003	0.01043	0.82214	-0.04194	0.36583	0.082626	0.07445	0.15383	0.00085
1.96E-14	-0.03961	0.39307	0.016186	0.72719	0.166123	0.00031	-0.15233	0.00096
0.88117	0.234032	3.14E-07	0.268275	3.86E-09	0.355097	2.52E-15	0.100357	0.03013
6.13E-05	0.105803	0.02221	0.212896	3.46E-06	0.233238	3.45E-07	0.034884	0.45202
0.17389	0.037639	0.41708	0.146788	0.00147	0.148458	0.00129	0.183362	6.73E-05
0.00187	0.046208	0.31904	-0.06978	0.13212	-0.05636	0.22415	0.167986	0.00027
0.54388	0.208707	5.41E-06	0.240316	1.47E-07	0.296833	5.93E-11	0.132744	0.00406
0.07981	0.09651	0.03708	0.153805	0.00085	0.282194	5.35E-10	0.11606	0.01208
6.17E-07	0.131619	0.00438	0.127601	0.00576	0.085245	0.06568	0.178749	0.0001
0.9868	0.058096	0.21014	-0.07052	0.12809	0.048365	0.29696	0.080748	0.08131
0.09864	0.014255	0.75865	0.101436	0.02839	0.198026	1.63E-05	0.059243	0.20127

1.89E-11	-0.18173	7.83E-05	-0.08024	0.08323	-0.156	0.00072	0.061505	0.18457
0.68587	0.052913	0.25379	0.003537	0.93923	0.12465	0.007	0.003064	0.94734
3.14E-17	0.234752	2.88E-07	0.210662	4.39E-06	0.086964	0.06041	0.36165	7.08E-16
0.30733	0.028153	0.54393	-0.01981	0.66946	0.01098	0.81293	-0.00341	0.94149
0.04769	0.247891	5.71E-08	0.176845	0.00012	0.304719	1.72E-11	0.233499	3.34E-07
0.20255	-0.03105	0.50332	-0.10008	0.03059	-0.09914	0.03219	-0.09291	0.04477
0.30649	-0.17001	0.00022	-0.03638	0.43279	-0.18316	6.86E-05	-0.07362	0.11207
2.36E-05	-0.01744	0.70696	-0.05174	0.26448	-0.03899	0.40056	-0.16016	0.00051
0.00033	0.207102	6.41E-06	0.190465	3.43E-05	0.163474	0.00039	0.324344	6.70E-13
0.00039	0.057763	0.21277	0.037387	0.42022	0.159591	0.00054	-0.01505	0.74573
0.42227	0.089227	0.05399	0.095485	0.03915	0.146228	0.00153	0.092105	0.04667
0.34854	0.088979	0.05467	0.088897	0.05489	0.134905	0.00349	0.125315	0.0067
4.97E-08	-0.00295	0.94925	0.009704	0.83434	-0.13769	0.00287	0.144204	0.00178
0.00016	-0.04268	0.35749	-0.12038	0.00922	-0.02038	0.6605	-0.06824	0.1409
0.03273	0.480448	2.42E-28	0.262218	8.80E-09	0.257772	1.59E-08	0.132324	0.00418
0.00162	0.192844	2.72E-05	0.223989	1.01E-06	0.40393	9.36E-20	0.140547	0.00233
6.72E-09	0.002335	0.95986	-0.07765	0.0937	0.086713	0.06115	-0.00631	0.89181
0.00079	0.18782	4.42E-05	0.19504	2.19E-05	0.387691	3.37E-18	0.126322	0.00627
0.21098	0.036757	0.42809	-0.06694	0.14866	0.072797	0.11618	0.043535	0.34787
5.87E-07	0.121757	0.00844	0.111137	0.01627	0.075014	0.10544	0.032434	0.48442
1.71E-16	0.037888	0.41401	-0.07094	0.12581	-0.12539	0.00666	0.002719	0.95326
0.43121	0.2382	1.90E-07	-0.06607	0.15402	-0.07578	0.10194	-0.0349	0.4518
0.00106	0.005648	0.90311	0.021822	0.63809	0.005418	0.90704	-0.0765	0.0987
0.70602	0.019794	0.66964	0.045981	0.32144	0.063482	0.17082	-0.11409	0.01362
0.29235	-0.22334	1.09E-06	-0.18129	8.15E-05	-0.23275	3.65E-07	-0.10525	0.02293
1.07E-06	-0.15719	0.00065	-0.12645	0.00621	-0.17815	0.00011	-0.2233	1.09E-06
0.03224	-0.10421	0.02431	-0.03615	0.43574	-0.09387	0.0426	0.065497	0.15762
0.00014	-0.04558	0.3257	-0.0609	0.18892	0.053294	0.25038	-0.08484	0.06697
0.2077	0.14476	0.00171	0.106606	0.02121	0.132448	0.00414	0.185927	5.29E-05
4.74E-06	-0.04818	0.29881	-0.02647	0.56828	0.028386	0.5406	-0.04132	0.37292
0.00023	0.049005	0.2906	0.063854	0.16833	-0.03042	0.51202	0.104287	0.02421
3.46E-06	0.106614	0.0212	0.112679	0.01484	0.038915	0.40146	0.32697	4.26E-13
2.52E-08	0.043848	0.34442	0.002671	0.95409	0.140339	0.00237	-0.22447	9.56E-07
0.38864	0.318746	1.73E-12	0.131336	0.00447	0.089216	0.05402	0.097977	0.03428
1.73E-14	0.038635	0.40485	0.06909	0.13601	0.195319	2.13E-05	-0.15338	0.00088
0.04259	-0.14034	0.00237	-0.08593	0.06353	-0.13431	0.00364	-0.08304	0.07301
1.31E-08	0.08473	0.06734	0.029084	0.53069	-0.04528	0.32892	0.192696	2.76E-05
0.55103	-0.02718	0.55794	-0.10177	0.02787	0.042793	0.35616	-0.02332	0.61514
0.39002	0.063614	0.16993	0.038841	0.40236	0.090438	0.0508	0.055638	0.23011
0.77875	-0.20632	6.96E-06	-0.17635	0.00013	-0.22823	6.20E-07	-0.08993	0.05211
0.92058	0.121001	0.00886	0.106188	0.02173	0.236566	2.31E-07	0.1238	0.0074
0.00696	0.005289	0.90924	-0.04478	0.33429	0.067818	0.14338	0.008058	0.86213
0.41309	-0.09294	0.0447	-0.08152	0.07843	-0.03935	0.39622	0.005896	0.89888
0.41063	-0.0164	0.72374	-0.03141	0.4983	-0.03287	0.47857	0.058263	0.20884
0.01561	0.108059	0.0195	0.168967	0.00024	0.251004	3.84E-08	0.171376	0.0002

0.14021	-0.10726	0.02043	0.024832	0.59246	-0.05938	0.20019	0.144115	0.00179
0.09472	-0.17906	9.99E-05	0.075131	0.1049	-0.04279	0.35615	0.063447	0.17106
0.00031	-0.05733	0.2162	-0.06056	0.19142	0.084821	0.06704	-0.04551	0.32645
0.34723	0.128124	0.00556	0.16705	0.00029	0.218435	1.88E-06	0.23165	4.16E-07
0.0018	0.347411	1.08E-14	0.098078	0.0341	0.15703	0.00066	0.008688	0.85147
4.35E-06	-0.02272	0.62435	0.026801	0.56345	0.09216	0.04654	0.002225	0.96176
0.00998	-0.07117	0.1246	-0.22881	5.80E-07	-0.19115	3.21E-05	-0.08708	0.06005
0.99042	0.066761	0.14974	0.005891	0.89897	0.055097	0.23469	0.094067	0.04217
0.17151	0.115083	0.01283	0.045046	0.33138	0.04831	0.29751	-0.04027	0.38522
0.00021	0.116622	0.01167	0.078872	0.08866	0.118212	0.01057	-0.06167	0.18338
0.00793	-0.04061	0.38127	-0.00147	0.97476	0.063853	0.16833	-0.01929	0.67757
0.05596	0.080452	0.08243	-0.02856	0.53816	0.043392	0.34946	0.06166	0.18346
0.91123	0.183157	6.86E-05	0.176924	0.00012	0.22309	1.12E-06	0.06175	0.18282
0.16932	-0.12909	0.00521	-0.12856	0.0054	-0.14498	0.00168	-0.07275	0.11642
0.00039	0.265358	5.75E-09	0.276156	1.28E-09	0.321389	1.11E-12	0.245246	7.97E-08
0.80987	0.019362	0.67643	-0.03191	0.4915	0.096085	0.03793	0.064744	0.16246
4.30E-08	0.101345	0.02853	0.14185	0.00212	0.244402	8.86E-08	-0.01768	0.70315
0.15935	0.063145	0.17311	0.077511	0.09432	0.121267	0.00871	0.050489	0.27622
0.14268	0.107165	0.02054	0.099969	0.03077	0.208795	5.36E-06	0.030842	0.50614
0.00045	0.023679	0.60977	0.063645	0.16973	0.134273	0.00365	0.127434	0.00582
0.00705	0.072502	0.11767	-0.00854	0.85392	-0.03791	0.41379	0.085192	0.06585
3.82E-14	0.186098	5.20E-05	0.169256	0.00024	0.068544	0.13913	0.267082	4.54E-09
1.53E-07	0.158505	0.00059	0.079363	0.08669	0.099522	0.03153	0.15213	0.00097
0.07206	-0.22887	5.75E-07	-0.07031	0.12923	-0.1955	2.10E-05	-0.10118	0.0288
0.97797	0.273537	1.85E-09	0.184428	6.09E-05	0.119448	0.00978	0.049143	0.28925
0.00103	0.067824	0.14334	0.029915	0.519	0.063846	0.16838	0.001359	0.97664
2.43E-14	-0.30215	2.59E-11	-0.02728	0.55653	-0.01629	0.72557	-0.23989	1.55E-07
5.15E-06	-0.09326	0.04397	-0.18003	9.15E-05	-0.07429	0.10887	-0.20786	5.92E-06
1.34E-05	0.265073	5.98E-09	0.251441	3.63E-08	0.211252	4.12E-06	0.172629	0.00018
0.00601	-0.14947	0.0012	0.039905	0.38958	-0.14209	0.00208	0.023731	0.60899
0.01746	0.066066	0.15403	0.091292	0.04865	0.043082	0.35292	0.178737	0.0001
7.53E-06	0.1107	0.0167	0.185143	5.70E-05	0.366321	2.81E-16	-0.01568	0.73536
0.00434	0.050174	0.27923	0.023503	0.61243	0.124669	0.00699	0.123136	0.00772
0.00152	-0.17906	1.00E-04	-0.21845	1.88E-06	-0.19457	2.30E-05	-0.18244	7.33E-05
1.90E-15	0.191935	2.97E-05	0.100585	0.02975	0.100391	0.03007	0.126105	0.00636
2.53E-07	0.041763	0.36786	0.070833	0.12638	0.026644	0.56574	0.248166	5.52E-08
0.50346	0.016879	0.71601	-0.07819	0.09147	-0.09242	0.04593	-0.05309	0.25223
0.57544	-0.06515	0.15985	0.028394	0.54049	-0.01607	0.72911	-0.02849	0.53909
0.06615	0.089435	0.05343	0.011219	0.80894	0.017223	0.71048	-0.00274	0.95286
0.00119	-0.17281	0.00017	-0.12367	0.00746	-0.24557	7.65E-08	-0.01265	0.78507
0.04748	-0.03595	0.43826	-0.00646	0.8893	0.111894	0.01556	-0.03879	0.40303
0.00074	0.129123	0.0052	0.112465	0.01503	0.108754	0.01873	0.143693	0.00185
9.42E-07	0.020495	0.65866	-0.00057	0.99021	0.141667	0.00215	-0.13016	0.00484
0.05362	-0.03367	0.46787	-0.06274	0.17587	-0.00916	0.84351	0.060503	0.19183
3.48E-21	-0.13793	0.00282	-0.22654	7.54E-07	-0.12596	0.00642	-0.28872	2.04E-10



0.00375	-0.05791	0.21159	-0.01477	0.75025	0.004018	0.93099	0.006221	0.89334
9.86E-05	-0.27321	1.94E-09	-0.25428	2.52E-08	-0.22967	5.25E-07	-0.24325	1.02E-07
0.15531	-0.13495	0.00348	-0.08136	0.07901	-0.16414	0.00037	-0.0555	0.23131
7.27E-06	0.091364	0.04847	0.062059	0.18064	0.055503	0.23126	-0.19202	2.95E-05
3.15E-09	-0.03782	0.4148	0.049051	0.29015	0.093604	0.0432	-0.09832	0.03366
0.0166	-0.1334	0.00388	-0.05164	0.26539	-0.12097	0.00888	0.023517	0.61222
0.16166	0.065578	0.15711	0.133143	0.00395	0.191712	3.04E-05	0.079028	0.08803
1.14E-05	-0.20055	1.26E-05	-0.20939	5.03E-06	-0.24613	7.14E-08	-0.15273	0.00093
0.86144	-0.00149	0.97434	-0.03497	0.45096	-0.05051	0.276	0.01062	0.81896
0.29738	0.28406	4.07E-10	0.224773	9.23E-07	0.206634	6.73E-06	0.017619	0.70412
0.01889	0.147486	0.00139	0.215728	2.54E-06	0.215949	2.48E-06	0.12525	0.00673
0.31848	0.041881	0.36651	0.079317	0.08687	0.058855	0.20424	0.042463	0.35989
8.03E-12	-0.02147	0.64359	-0.02097	0.65122	0.117533	0.01102	-0.0613	0.18602
1.27E-14	-0.02085	0.65315	-0.11432	0.01344	0.018012	0.69785	-0.15901	0.00056
0.01849	0.100145	0.03048	-0.02305	0.61937	0.256135	1.97E-08	0.068387	0.14005
0.03129	-0.29834	4.69E-11	-0.00582	0.9002	-0.08528	0.06557	-0.00261	0.95508
6.18E-08	0.314238	3.67E-12	0.2708	2.72E-09	0.30901	8.63E-12	0.307587	1.09E-11
0.00686	-0.10996	0.01745	0.024367	0.59941	-0.11736	0.01114	-0.00551	0.90547
0.0703	0.092639	0.04541	0.063495	0.17073	0.194151	2.39E-05	0.046348	0.31758
0.26066	0.133642	0.00381	0.097718	0.03476	0.118608	0.01031	0.005437	0.90672
0.81384	0.164729	0.00035	0.106504	0.02134	0.170972	0.00021	0.057624	0.21388
2.50E-06	0.163387	0.00039	0.052683	0.25586	0.009832	0.83218	0.17831	0.00011
0.23543	0.048622	0.2944	0.088849	0.05502	0.081437	0.07874	0.133409	0.00387
0.21952	0.126451	0.00621	0.058359	0.20809	0.100436	0.03	-0.00561	0.90375
0.61886	-0.01319	0.77622	-0.05306	0.2525	-0.20509	7.90E-06	0.008398	0.85637
0.29851	0.143636	0.00186	-0.03117	0.50164	-0.0288	0.53472	0.037745	0.41577
0.02523	-0.05653	0.2227	-0.0423	0.36168	0.014589	0.75319	0.074478	0.10797
0.39887	0.013448	0.77194	-0.01415	0.76043	0.007991	0.86327	0.075607	0.10271
0.55035	0.187078	4.74E-05	0.245603	7.62E-08	0.227601	6.67E-07	0.175897	0.00013
0.00115	-0.01566	0.73564	0.160256	0.00051	0.111245	0.01617	0.000891	0.98467
0.17815	-0.1013	0.02861	-0.19554	2.09E-05	-0.1429	0.00196	-0.08003	0.08406
0.73202	0.108799	0.01868	-0.0691	0.13593	0.000567	0.99024	0.046316	0.31791
0.3338	-0.03039	0.51237	0.024313	0.60022	-0.01648	0.72239	0.001691	0.97093
3.36E-11	0.264671	6.32E-09	0.175783	0.00013	0.054371	0.24092	0.123111	0.00773
0.79344	0.157981	0.00061	0.145594	0.00161	0.191144	3.21E-05	0.070622	0.12752
4.61E-12	0.069279	0.13493	0.105867	0.02213	0.232232	3.88E-07	-0.07273	0.11653
0.01248	0.033145	0.4749	0.053154	0.25163	0.1715	0.0002	0.031097	0.50262
0.00029	0.145493	0.00162	-0.00117	0.97988	0.152182	0.00097	-0.07443	0.1082
3.08E-06	0.028754	0.53536	-0.13006	0.00488	0.048118	0.29943	-0.18899	3.95E-05
0.00251	0.031058	0.50316	-0.04099	0.37681	0.079465	0.08628	-0.00218	0.96257
7.41E-18	-0.16307	0.0004	-0.09087	0.04969	-0.01558	0.737	-0.15926	0.00055
1.56E-15	0.174968	0.00014	0.204503	8.40E-06	0.060639	0.19084	0.200535	1.26E-05
0.00077	0.228552	5.97E-07	0.118462	0.0104	0.138723	0.00266	0.217869	2.01E-06
0.01303	-0.1494	0.0012	-0.17777	0.00011	-0.17736	0.00012	-0.22142	1.35E-06
0.00243	-0.14516	0.00166	-0.13472	0.00354	-0.15226	0.00096	-0.08893	0.05481

0.44715	0.088027	0.05732	0.011815	0.799	0.063288	0.17214	0.009158	0.84353
0.04893	0.414767	7.66E-21	0.273302	1.91E-09	0.45347	4.60E-25	0.068239	0.14091
0.0928	0.189746	3.68E-05	0.106901	0.02086	0.176342	0.00013	0.097815	0.03458
0.30153	0.078761	0.08911	0.022256	0.63142	0.058965	0.2034	-0.04173	0.36824
0.35447	0.078937	0.08839	0.017725	0.70242	0.027575	0.55224	0.074421	0.10824
0.13457	0.174016	0.00016	0.123367	0.00761	0.091295	0.04864	0.190741	3.34E-05
3.61E-11	0.163863	0.00038	0.086731	0.0611	0.263911	7.00E-09	-0.05804	0.21063
0.3498	0.037297	0.42133	-0.0033	0.94337	0.012016	0.79565	-0.08029	0.08304
0.55145	0.059221	0.20143	0.019433	0.67531	0.037889	0.414	-0.03637	0.43302
0.015	-0.17212	0.00019	-0.16177	0.00045	-0.19908	1.46E-05	0.046318	0.31789
0.0002	-0.0353	0.4466	-0.06218	0.17981	-0.00121	0.9792	-0.13974	0.00247
1.62E-05	0.22031	1.53E-06	0.149606	0.00118	0.226684	7.42E-07	0.22738	6.84E-07
0.02081	-0.26252	8.45E-09	-0.20006	1.33E-05	-0.14402	0.00181	-0.09774	0.03473
0.05704	-0.01446	0.75534	0.056789	0.22061	0.020757	0.65458	0.035481	0.44431
0.00032	-0.06145	0.18497	0.080762	0.08125	0.113933	0.01376	-0.02366	0.61007
7.84E-05	0.15813	0.0006	0.035902	0.43892	0.133438	0.00387	0.098391	0.03353
0.00143	-0.01047	0.8215	0.124509	0.00706	0.063658	0.16964	-0.07946	0.08631
0.00208	-0.22247	1.20E-06	-0.10126	0.02867	-0.21486	2.79E-06	-0.03777	0.41544
0.00012	-0.01405	0.76209	-0.0586	0.20623	0.116819	0.01153	-0.04969	0.28394
1.66E-10	0.042183	0.36307	0.024688	0.59461	0.028604	0.53749	-0.11413	0.0136
4.60E-05	-0.18538	5.57E-05	-0.02652	0.56752	-0.03853	0.40615	-0.12391	0.00734
0.1301	0.071874	0.12089	-0.0407	0.38023	0.153173	0.0009	-0.01061	0.81915
0.61745	0.169748	0.00023	-0.0109	0.8142	-0.00873	0.85076	0.061399	0.18532
0.52802	0.353206	3.62E-15	0.130783	0.00464	0.140185	0.00239	0.088818	0.05511
0.02917	-0.23124	4.36E-07	-0.13134	0.00447	-0.12867	0.00536	-0.05371	0.24669
0.63849	-0.07166	0.12202	-0.10938	0.01806	-0.13407	0.0037	-0.03209	0.48914
0.03492	-0.08805	0.05725	-0.06057	0.19131	-0.14829	0.00131	-0.16035	0.0005
8.64E-08	0.039935	0.38923	0.027259	0.5568	0.127924	0.00563	0.00658	0.88723
0.50373	0.209847	4.79E-06	0.16535	0.00033	0.168811	0.00025	0.150729	0.00109
0.18288	-0.0361	0.43634	-0.0323	0.48626	0.080817	0.08105	-0.11392	0.01377
0.24171	-0.0182	0.69484	-0.01443	0.75576	0.008519	0.85433	-0.04259	0.35848
0.66403	-0.0974	0.03535	0.048608	0.29453	-0.01814	0.69579	0.087116	0.05995
8.64E-06	-0.07508	0.10516	-0.08965	0.05286	0.005296	0.90913	-0.11387	0.01381
0.01948	0.243465	9.95E-08	0.279278	8.16E-10	0.279736	7.64E-10	0.185775	5.37E-05
0.1107	0.03569	0.44163	0.069487	0.13376	0.00288	0.95051	0.086092	0.06304
4.06E-05	0.023967	0.60542	0.028677	0.53646	0.096872	0.03637	-0.18817	4.27E-05
1.47E-13	-0.11781	0.01084	0.01244	0.78861	0.112807	0.01473	-0.08556	0.0647
0.42377	-0.01197	0.79637	0.099721	0.03119	0.090477	0.0507	0.066879	0.14902
1.18E-10	0.121759	0.00844	0.191001	3.26E-05	0.303071	2.23E-11	0.004763	0.91824
0.71398	0.074921	0.10588	0.071787	0.12134	0.077699	0.09352	0.011136	0.81031
0.91118	0.21483	2.80E-06	0.082144	0.07616	0.14401	0.00181	0.113484	0.01414
0.00066	-0.01804	0.69743	-0.02186	0.63755	0.034101	0.46223	-0.01364	0.76884
9.62E-07	0.047606	0.30461	0.091541	0.04803	0.107211	0.02049	-0.01513	0.74442
2.60E-16	-0.06822	0.14102	-0.10674	0.02105	-0.00075	0.9871	-0.23979	1.57E-07
0.13246	0.183252	6.80E-05	0.035797	0.44026	0.063015	0.174	-0.02399	0.60511

3.97E-09	-0.00748	0.8719	-0.0386	0.40527	0.196431	1.91E-05	-0.03713	0.42337
8.57E-11	0.025021	0.58965	0.162359	0.00043	0.146937	0.00145	0.031348	0.49917
2.45E-05	0.026393	0.56941	-0.03548	0.44431	-0.01552	0.73807	0.095668	0.03877
0.00092	-0.14431	0.00177	0.034254	0.46023	-0.03758	0.41785	-0.28364	4.33E-10
0.01782	0.254296	2.51E-08	0.089915	0.05216	0.146802	0.00147	-0.01804	0.69743
0.05815	0.006383	0.89058	0.014152	0.76035	0.011297	0.80763	-0.00246	0.95765
0.00284	-0.17687	0.00012	-0.27946	7.96E-10	-0.29228	1.19E-10	-0.19786	1.65E-05
1.53E-06	0.048837	0.29226	-0.01359	0.76965	-0.06918	0.13547	0.143151	0.00193
0.09054	0.053761	0.24625	0.027025	0.5602	0.147124	0.00143	0.074134	0.10961
0.6885	-0.00083	0.98579	0.044979	0.3321	0.070776	0.12669	0.030881	0.50559
0.00014	0.249992	4.37E-08	0.230177	4.94E-07	0.148333	0.00131	0.089773	0.05254
0.00395	-0.09554	0.03904	0.052695	0.25575	-0.02208	0.63413	-0.09749	0.03519
0.05069	0.231954	4.01E-07	0.085861	0.06375	0.2959	6.85E-11	0.069214	0.13531
0.00027	-0.10429	0.0242	-0.10566	0.02239	-0.0427	0.35719	-0.11116	0.01625
2.28E-06	0.043064	0.35312	0.101214	0.02874	0.023325	0.61512	0.135909	0.00325
0.00022	0.059881	0.19645	-0.03489	0.45195	-0.04443	0.33805	0.06626	0.15282
0.03677	0.05597	0.22735	0.093406	0.04364	0.154294	0.00082	-0.01599	0.73044
0.13371	-0.01448	0.75491	-0.05106	0.27081	-0.05752	0.2147	-0.01344	0.77203
0.41949	0.145923	0.00157	0.129674	0.00501	0.14294	0.00196	0.096424	0.03725
0.00058	0.137458	0.00291	0.142211	0.00207	0.284996	3.54E-10	-0.04603	0.32087
0.00292	0.107846	0.01975	0.169375	0.00024	0.187764	4.44E-05	0.047292	0.30782
0.26313	0.124659	0.00699	0.088625	0.05564	0.206706	6.68E-06	0.150616	0.0011
0.02619	0.226407	7.66E-07	0.228072	6.32E-07	0.367637	2.16E-16	0.174612	0.00015
0.22515	0.05105	0.27091	0.080937	0.0806	0.129403	0.0051	0.014638	0.75239
3.78E-06	0.043961	0.34318	0.032773	0.47987	0.100339	0.03016	-0.06232	0.17878
0.35078	0.082498	0.0749	0.01293	0.7805	0.003481	0.9402	0.072183	0.1193
0.01912	0.007338	0.87433	0.017748	0.70207	0.048513	0.29548	0.000775	0.98668
0.36339	0.060822	0.18949	0.109004	0.01846	0.027766	0.54948	0.136384	0.00315
0.12581	-0.0036	0.93823	0.043774	0.34524	0.050232	0.27868	-0.0119	0.79752
0.45227	0.073752	0.11145	0.068092	0.14177	0.084521	0.06802	0.090834	0.04979
0.09455	0.262678	8.27E-09	0.213643	3.19E-06	0.176948	0.00012	0.183055	6.92E-05
0.25786	-0.0142	0.7595	-0.00861	0.85281	0.006191	0.89385	0.053952	0.24457
0.07509	0.178977	0.0001	0.126984	0.006	0.152789	0.00092	-0.03746	0.41928
0.03383	0.068898	0.1371	0.225191	8.80E-07	0.08061	0.08183	0.209174	5.15E-06
0.0003	0.261335	9.91E-09	0.257319	1.69E-08	0.289584	1.79E-10	0.165339	0.00033
4.92E-07	0.000804	0.98618	-0.05294	0.25352	0.10737	0.0203	-0.1115	0.01593
7.84E-09	-0.09099	0.0494	-0.19796	1.64E-05	-0.02839	0.54051	-0.14155	0.00217
9.90E-05	-0.21198	3.81E-06	-0.03464	0.45514	-0.0913	0.04862	-0.0643	0.16534
8.76E-11	0.104492	0.02393	0.058127	0.20991	-0.03164	0.49512	0.143957	0.00182
2.16E-06	0.206465	6.85E-06	0.197797	1.67E-05	0.116007	0.01212	0.323081	8.31E-13
0.00442	-0.12009	0.00939	-0.06403	0.16716	-0.12085	0.00894	-0.01896	0.68276
0.00063	-0.04014	0.38675	-0.13971	0.00248	-0.20958	4.93E-06	-0.11068	0.01672
0.71207	-0.12131	0.00869	-0.11008	0.01732	-0.13065	0.00469	0.023647	0.61025
6.75E-21	-0.03801	0.41245	0.071481	0.12294	-0.05617	0.22566	0.240511	1.43E-07
0.00751	-0.01631	0.72511	-0.04965	0.28429	-0.06819	0.14121	-0.05077	0.27353

0.00108	0.082972	0.07324	0.099285	0.03194	0.208109	5.76E-06	-0.10135	0.02853
1.19E-07	-0.04225	0.36227	-0.00542	0.90701	0.02629	0.57091	-0.10137	0.02849
0.09098	0.091241	0.04877	-0.07943	0.08641	-0.12525	0.00673	-0.03227	0.48657
8.24E-17	-0.05905	0.20276	-0.04174	0.36814	0.079531	0.08602	-0.31696	2.34E-12
0.57168	0.029553	0.52408	0.071873	0.12089	0.111327	0.01609	0.138731	0.00266
0.07932	0.009317	0.84085	0.075812	0.10178	0.134617	0.00356	0.156761	0.00067
0.20823	0.213977	3.07E-06	0.314043	3.79E-12	0.278467	9.18E-10	0.159155	0.00056
0.01764	0.128357	0.00547	-0.00523	0.91025	0.065007	0.16076	0.031909	0.49153
0.85581	0.14239	0.00204	0.001184	0.97964	0.143743	0.00184	0.055408	0.23205
3.35E-05	0.123773	0.00741	-0.06192	0.18163	0.083101	0.07279	-0.06676	0.14972
0.32497	0.247351	6.12E-08	0.103695	0.02503	0.171724	0.00019	0.065769	0.1559
0.43166	0.124392	0.00712	0.073233	0.114	0.099262	0.03198	0.091724	0.04759
0.37112	0.070856	0.12625	0.052144	0.26077	0.0063	0.89199	-0.00032	0.99448
0.36498	0.11236	0.01513	0.027997	0.54616	0.06656	0.15097	0.05581	0.22868
0.73862	0.169879	0.00023	0.062483	0.17767	0.132841	0.00403	0.105122	0.02309
0.2189	0.053502	0.24853	0.072569	0.11733	0.135144	0.00343	0.066353	0.15225
0.27841	0.150928	0.00107	0.221049	1.41E-06	0.249763	4.50E-08	0.14629	0.00152
0.67274	0.183066	6.92E-05	0.168001	0.00027	0.312046	5.26E-12	0.180964	8.40E-05
0.01171	-0.11848	0.01039	-0.06248	0.17768	-0.15978	0.00053	-0.16199	0.00044
0.00317	0.148312	0.00131	0.163647	0.00038	0.130849	0.00462	0.171121	0.0002
0.17181	0.081601	0.07813	0.025068	0.58896	-0.00185	0.96815	0.055115	0.23453
0.24295	0.093563	0.04329	-0.04578	0.32359	0.072081	0.11982	0.047725	0.3034
0.24916	-0.17068	0.00021	-0.03773	0.4159	-0.13924	0.00256	-0.07643	0.09901
1.78E-08	-0.04508	0.33106	0.025218	0.58672	0.137795	0.00284	-0.03373	0.46718
0.23982	0.116421	0.01181	0.1797	9.43E-05	0.192598	2.79E-05	0.114997	0.01289
0.37262	0.123843	0.00737	0.162978	0.00041	0.027731	0.54999	-0.03613	0.43595
0.18058	0.092588	0.04553	0.114827	0.01303	0.131692	0.00436	0.02564	0.58048
0.22473	0.005212	0.91056	-0.01303	0.77891	0.076938	0.09679	0.022828	0.62268
0.00339	-0.06519	0.15961	-0.09271	0.04525	-0.02998	0.51811	-0.13155	0.0044
4.45E-14	-0.06558	0.15708	-0.18624	5.14E-05	-0.02937	0.52663	-0.17673	0.00012
0.0017	-0.13404	0.00371	-0.10619	0.02173	-0.03724	0.42202	-0.06069	0.19045
0.00089	0.060633	0.19088	0.152151	0.00097	0.037789	0.41523	0.065188	0.15959
0.27892	-0.12776	0.0057	-0.08448	0.06815	-0.10715	0.02056	-0.06736	0.14612
0.0072	-0.09192	0.04711	0.03509	0.44935	0.064108	0.16664	-0.05682	0.22038
0.33812	-0.02237	0.62975	-0.00728	0.87536	0.047858	0.30206	-0.03574	0.44095
2.15E-08	-0.0855	0.06488	0.067083	0.14778	0.127881	0.00565	-0.06008	0.195
0.58113	0.171775	0.00019	0.130032	0.00489	0.085091	0.06618	0.08363	0.07099
0.31306	0.163653	0.00038	0.103114	0.02586	0.13503	0.00346	0.103521	0.02528
0.15645	0.082916	0.07343	0.034295	0.4597	0.009758	0.83342	0.09461	0.04099
0.96294	0.091695	0.04766	0.023881	0.60672	0.029452	0.5255	0.062093	0.18039
0.01818	0.007629	0.86939	0.001345	0.97688	0.13443	0.00361	0.01968	0.67142
0.13689	-0.06303	0.17392	-0.05275	0.25527	-0.08639	0.06213	-0.04344	0.34896
0.06429	0.034449	0.45768	0.03675	0.42818	0.009188	0.84302	0.008471	0.85513
0.00477	0.074698	0.10693	0.128132	0.00555	0.135224	0.00341	0.017475	0.70642
0.79003	-0.11761	0.01098	-0.05814	0.20979	-0.10108	0.02895	0.023183	0.61728

1.58E-06	0.013593	0.76954	0.03396	0.46409	0.178199	0.00011	0.000833	0.98567
0.00059	0.016719	0.71857	0.003535	0.93927	0.140194	0.00239	-0.04357	0.34744
7.84E-13	-0.01343	0.77215	0.053218	0.25106	0.162097	0.00044	-0.04544	0.32717
0.03342	-0.02181	0.6383	0.046605	0.3149	-0.02991	0.51909	0.079751	0.08515
0.17723	-0.00253	0.95649	0.017904	0.69956	0.122148	0.00823	0.047664	0.30402
0.16976	0.13475	0.00353	0.050145	0.27951	0.07583	0.1017	0.087812	0.05793
0.04666	0.05538	0.23229	0.117215	0.01125	0.046983	0.31099	0.074273	0.10894
0.19216	0.039186	0.39819	0.040907	0.37777	0.012485	0.78786	0.121295	0.00869
0.00396	0.058268	0.2088	-0.00594	0.89805	0.08169	0.07781	-0.00049	0.9916
0.35031	0.187542	4.54E-05	0.154889	0.00078	0.257075	1.75E-08	0.241313	1.30E-07
0.49969	0.038043	0.4121	0.067737	0.14386	0.104158	0.02439	0.060995	0.18824
0.66241	0.120494	0.00915	0.118789	0.01019	0.109111	0.01834	0.116356	0.01186
1.01E-06	0.226256	7.79E-07	0.234997	2.79E-07	0.235963	2.49E-07	0.087202	0.0597
2.11E-10	0.137117	0.00299	0.129504	0.00506	0.125673	0.00654	-0.07228	0.11879
0.84893	0.097333	0.03549	0.143181	0.00192	0.205544	7.54E-06	0.092757	0.04513
5.20E-14	-0.16298	0.00041	0.001733	0.9702	0.012396	0.78933	-0.17899	0.0001
0.00493	-0.12308	0.00775	-0.10548	0.02263	-0.09094	0.04954	-0.0495	0.28572
0.96955	0.14206	0.00209	0.108827	0.01865	0.167429	0.00028	0.03434	0.4591
1.04E-23	-0.01164	0.80186	-0.07207	0.11985	0.09806	0.03413	-0.14854	0.00128
0.05625	0.207103	6.40E-06	0.072593	0.11721	0.222778	1.16E-06	0.148416	0.0013
1.21E-15	0.072779	0.11627	-0.00138	0.97628	0.141539	0.00217	-0.14039	0.00236
3.61E-05	0.299818	3.73E-11	0.163568	0.00039	0.166647	0.0003	0.278429	9.23E-10
0.01025	-0.05949	0.19939	-0.0334	0.47153	0.069604	0.13311	-0.07004	0.13068
0.31166	0.02907	0.53088	-0.0328	0.47948	-0.02004	0.66576	0.034678	0.4547
0.35454	-0.27779	1.01E-09	-0.22329	1.09E-06	-0.23946	1.63E-07	0.024033	0.60444
7.65E-06	-0.13175	0.00435	0.022741	0.62401	-0.00584	0.89988	-0.03836	0.40826
7.50E-07	-0.18941	3.80E-05	-0.19444	2.33E-05	-0.2827	4.97E-10	0.025067	0.58896
4.70E-06	0.115513	0.01249	0.097895	0.03443	0.184598	5.99E-05	0.160136	0.00051
1.25E-10	-0.26506	5.99E-09	-0.1785	0.00011	-0.18184	7.75E-05	-0.22197	1.27E-06
3.24E-05	-0.16965	0.00023	-0.15705	0.00066	-0.18547	5.52E-05	-0.00043	0.99266
0.00191	-0.04678	0.31309	-0.18273	7.14E-05	-0.0154	0.73993	-0.10473	0.02361
3.55E-05	-0.01989	0.66809	-0.12033	0.00925	-0.08124	0.07948	-0.12836	0.00547
2.81E-14	0.030538	0.51033	0.021668	0.64047	0.268218	3.89E-09	-0.14675	0.00147
8.55E-14	-0.15138	0.00103	0.018498	0.69011	0.005189	0.91096	-0.13477	0.00352
0.0162	-0.12555	0.0066	-0.05427	0.24182	-0.11899	0.01006	0.146332	0.00152
1.16E-11	-0.17775	0.00011	-0.11841	0.01043	-0.0558	0.22872	-0.10476	0.02357
0.0035	-0.11937	0.00982	-0.2132	3.34E-06	-0.1922	2.90E-05	-0.0145	0.75463
8.68E-06	-0.38666	4.21E-18	-0.3058	1.45E-11	-0.34304	2.42E-14	-0.29975	3.77E-11
0.00118	-0.19237	2.85E-05	-0.1832	6.83E-05	-0.14762	0.00138	-0.08274	0.07404
0.00321	-0.08866	0.05553	0.01263	0.78546	0.055863	0.22823	0.011913	0.79736
0.63681	0.164674	0.00035	0.158877	0.00057	0.196219	1.95E-05	0.078606	0.08974
0.24859	0.081656	0.07793	0.078629	0.08965	0.132439	0.00414	0.041663	0.36902
0.02042	0.048419	0.29642	0.104169	0.02437	0.215929	2.48E-06	0.080457	0.08242
3.70E-07	-0.28775	2.36E-10	-0.24818	5.51E-08	-0.25273	3.08E-08	-0.20213	1.07E-05
0.00159	0.273017	1.99E-09	0.107442	0.02021	0.258527	1.44E-08	0.068996	0.13654

0.52918	0.133159	0.00394	0.23151	4.23E-07	0.218516	1.87E-06	0.083979	0.06981
0.02136	0.075318	0.10404	0.072144	0.1195	0.210433	4.50E-06	0.057271	0.21671
0.00491	0.105707	0.02234	0.08182	0.07734	0.128118	0.00556	0.08031	0.08298
0.00379	0.183643	6.55E-05	0.203326	9.49E-06	0.340267	4.02E-14	0.09926	0.03199
0.00455	0.103132	0.02584	0.070291	0.12931	0.17897	0.0001	0.047423	0.30648
0.73115	0.033174	0.4745	0.003277	0.94369	0.015431	0.73944	0.086093	0.06303
4.40E-10	0.024506	0.59733	0.01767	0.70331	-0.03037	0.51265	0.117943	0.01075
0.2616	0.072034	0.12006	0.000608	0.98954	0.120325	0.00925	0.0299	0.51922
0.5596	0.184069	6.30E-05	0.223595	1.06E-06	0.288551	2.09E-10	0.110959	0.01645
0.19701	0.036951	0.42565	0.106652	0.02116	0.095489	0.03914	0.009019	0.84588
0.27147	-0.05265	0.2562	-0.02023	0.6628	-0.03726	0.42184	-0.04321	0.35147
0.00463	0.054539	0.23947	0.154939	0.00078	0.176576	0.00013	0.026934	0.56151
0.10014	-0.11843	0.01042	-0.0775	0.09437	-0.2243	9.75E-07	-0.08786	0.0578
1.01E-12	-0.0929	0.0448	-0.11438	0.01339	0.023538	0.6119	-0.13356	0.00383
0.00141	0.007464	0.8722	-0.14464	0.00173	-0.0338	0.46625	-0.14399	0.00181
0.53659	-0.05776	0.21283	0.021581	0.6418	0.005236	0.91016	0.03658	0.43032
1.19E-10	0.0966	0.0369	0.118574	0.01033	0.251503	3.60E-08	0.000264	0.99545
0.71987	0.231788	4.09E-07	0.18112	8.28E-05	0.263909	7.00E-09	0.209759	4.84E-06
0.00029	-0.15206	0.00098	-0.1967	1.86E-05	-0.09503	0.0401	-0.04659	0.31504
0.32756	-0.07809	0.09189	-0.0097	0.83434	-0.07837	0.09071	0.155024	0.00078
4.90E-13	0.065482	0.15771	0.038722	0.40379	-0.03526	0.44717	0.187413	4.59E-05
8.34E-05	0.060502	0.19184	0.076569	0.0984	0.273817	1.78E-09	-0.00491	0.91572
5.28E-06	-0.0539	0.24502	-0.02825	0.5425	0.014883	0.74837	-0.06783	0.14328
0.54361	0.103457	0.02537	0.051848	0.26348	0.069353	0.13452	-0.0085	0.85458
0.52328	0.096198	0.0377	0.120905	0.00891	0.14911	0.00123	0.063765	0.16892
7.07E-05	-0.07502	0.10542	-0.01937	0.67632	-0.03969	0.39218	-0.11139	0.01603
2.95E-17	-0.0563	0.22459	-0.04308	0.35291	0.016372	0.72418	-0.20239	1.04E-05
2.27E-06	-0.19713	1.78E-05	-0.12277	0.00791	-0.13997	0.00243	-0.24018	1.49E-07
0.00025	0.050838	0.27291	0.036611	0.42992	0.208027	5.81E-06	0.062513	0.17746
2.40E-07	0.034641	0.45518	0.132529	0.00412	0.193693	2.50E-05	0.100641	0.02966
3.27E-08	0.326256	4.82E-13	0.314819	3.33E-12	0.30052	3.34E-11	0.265994	5.27E-09
0.11151	-0.33305	1.47E-13	-0.20083	1.23E-05	-0.2628	8.14E-09	-0.12908	0.00521
0.01365	-0.07256	0.1174	-0.18365	6.55E-05	-0.16654	0.0003	-0.08418	0.06916
0.51561	0.142459	0.00203	0.165194	0.00034	0.106712	0.02108	0.145764	0.00159
0.0013	-0.07589	0.10142	-0.07869	0.08938	-0.00198	0.96589	0.038292	0.40905
0.00015	-0.06992	0.13133	-0.04168	0.36887	-0.00486	0.91662	-0.1789	0.0001
1.41E-13	0.218537	1.86E-06	0.223293	1.09E-06	0.215332	2.65E-06	0.278377	9.30E-10
4.42E-10	0.006143	0.89467	-0.05881	0.20462	-0.01632	0.725	-0.14707	0.00144
3.92E-05	-0.00553	0.90519	-0.04865	0.29408	0.102559	0.02668	-0.03339	0.47158
0.01626	0.113582	0.01405	0.08655	0.06164	0.085029	0.06637	0.10821	0.01933
0.0002	0.08192	0.07697	0.143784	0.00184	0.168297	0.00026	0.023168	0.6175
0.73953	0.014515	0.7544	-0.03286	0.47872	0.000381	0.99344	-0.00257	0.95585
1.43E-06	0.081712	0.07773	0.084018	0.06968	0.168754	0.00025	-0.00546	0.9064
7.79E-07	0.085491	0.0649	0.099131	0.03221	0.267774	4.13E-09	0.028803	0.53466
0.0337	0.05171	0.26476	-0.10092	0.02921	-0.01021	0.82586	-0.06909	0.13602

4.74E-05	0.282139	5.39E-10	0.237759	2.00E-07	0.285557	3.26E-10	0.178521	0.00011
1.80E-11	0.039425	0.3953	-0.06685	0.14918	-0.09513	0.03989	0.20515	7.86E-06
0.31299	0.193583	2.53E-05	0.135768	0.00329	0.141514	0.00217	0.151019	0.00106
0.15306	0.06205	0.18069	0.052226	0.26001	0.002622	0.95493	0.071384	0.12345
0.47279	0.134709	0.00354	0.062688	0.17625	0.007543	0.87085	0.017238	0.71024
0.09529	0.077801	0.09309	0.152313	0.00096	0.237915	1.97E-07	0.107439	0.02022
0.00035	0.440668	1.32E-23	0.273047	1.98E-09	0.274213	1.68E-09	0.211425	4.05E-06
4.25E-09	-0.05438	0.24081	-0.04067	0.38059	0.119191	0.00994	-0.07797	0.09236
0.00012	0.033107	0.4754	-0.10084	0.02934	-0.01589	0.73206	-0.20205	1.08E-05
1.00E-23	-0.10268	0.0265	-0.06094	0.18866	0.07747	0.09449	-0.16773	0.00027
0.01439	-0.06283	0.1753	-0.06548	0.15776	-0.12275	0.00792	-0.02221	0.63219
6.55E-05	-0.05855	0.20663	-0.02596	0.57573	0.105489	0.02261	-0.04944	0.28631
6.22E-11	0.022745	0.62394	-0.00686	0.88245	0.122709	0.00794	-0.02936	0.52681
0.00202	0.052409	0.25835	0.123506	0.00754	0.188647	4.08E-05	-0.07592	0.10128
0.1906	-0.05579	0.22881	-0.04092	0.37764	-0.0846	0.06777	-0.08297	0.07326
0.02346	6.63E-05	0.99886	-0.06999	0.13099	-0.01849	0.6902	0.025768	0.57859
0.07071	-0.10329	0.02561	-0.06314	0.17316	-0.05115	0.27001	-0.07361	0.11214
0.00023	0.163505	0.00039	0.228774	5.82E-07	0.145158	0.00166	0.187138	4.72E-05
0.00107	0.184364	6.13E-05	0.206981	6.49E-06	0.248666	5.18E-08	0.103182	0.02576
9.25E-12	-0.01287	0.78149	0.05169	0.26494	-0.05557	0.23068	0.156746	0.00068
4.80E-11	-0.02143	0.64419	-0.05837	0.20803	0.12646	0.00621	0.010711	0.81743
0.02394	-0.14688	0.00146	-0.26892	3.53E-09	-0.27895	8.56E-10	0.048672	0.2939
0.00794	0.012468	0.78814	-0.17072	0.00021	-0.0998	0.03106	-0.00724	0.87608
0.0002	0.038217	0.40996	0.115852	0.01223	0.136243	0.00318	0.189374	3.81E-05
0.52899	0.012918	0.78069	-0.10789	0.0197	-0.10005	0.03064	0.03832	0.4087
1.27E-05	0.004893	0.91602	0.052229	0.25998	0.143569	0.00187	-0.10176	0.02789
0.01764	-0.01429	0.75809	-0.08046	0.0824	0.010198	0.82603	-0.06374	0.16909
0.03893	0.05614	0.22594	0.048977	0.29088	0.084603	0.06775	0.046161	0.31954
0.55933	0.003525	0.93944	0.047925	0.30137	0.073407	0.11314	0.062845	0.17516
7.43E-06	0.36853	1.81E-16	0.20375	9.08E-06	0.200101	1.32E-05	0.048503	0.29558
0.67229	-0.03737	0.42047	-0.0629	0.17482	-0.03876	0.40334	0.040211	0.38594
1.84E-11	0.252517	3.16E-08	0.188659	4.08E-05	0.244528	8.72E-08	0.265282	5.81E-09
2.80E-15	-0.21515	2.71E-06	-0.1295	0.00507	-0.12946	0.00508	-0.21301	3.41E-06
0.12791	0.002013	0.9654	0.00937	0.83996	0.043268	0.35084	-0.04509	0.33086
6.62E-05	-0.17962	9.50E-05	-0.24837	5.37E-08	-0.25244	3.19E-08	-0.10165	0.02806
1.43E-05	-0.20783	5.93E-06	-0.20141	1.16E-05	-0.14236	0.00204	-0.26746	4.31E-09
0.08676	-0.25213	3.32E-08	-0.25601	2.01E-08	-0.21233	3.67E-06	-0.21455	2.89E-06
0.45476	-0.15133	0.00104	-0.14297	0.00195	-0.19709	1.79E-05	-0.05104	0.27096
0.18612	0.085335	0.0654	0.098702	0.03297	0.145728	0.00159	0.073231	0.11401
1.18E-13	-0.09845	0.03342	-0.00552	0.90529	-0.12423	0.00719	0.255459	2.16E-08
0.38839	0.16223	0.00043	0.074706	0.10689	0.126595	0.00615	0.153103	0.0009
0.01327	-0.0027	0.95355	-0.07967	0.08546	0.019451	0.67503	-0.06739	0.14596
0.05174	0.113443	0.01417	0.095308	0.03951	0.08954	0.05315	0.117957	0.01074
0.01838	-0.02838	0.54062	-0.22138	1.36E-06	-0.15807	0.00061	0.054621	0.23876
0.11532	0.157737	0.00062	0.228769	5.83E-07	0.211324	4.09E-06	0.234011	3.14E-07

9.22E-13	-0.02117	0.64821	-0.01403	0.76238	-0.16663	0.0003	0.10027	0.03027
0.76393	-0.04466	0.33559	0.042761	0.35651	0.042188	0.363	-0.0045	0.92268
2.75E-06	-0.00798	0.86339	0.051713	0.26473	-0.056	0.22709	0.119619	0.00967
0.3622	0.039734	0.39162	0.019001	0.68213	0.126749	0.00609	0.023283	0.61576
0.03383	0.071452	0.12309	-0.01394	0.76388	-0.0089	0.84794	-0.03053	0.51046
0.9784	-0.0154	0.73992	-0.04058	0.38158	-0.05939	0.20016	-0.04472	0.33489
2.94E-07	0.1973	1.75E-05	0.17051	0.00021	0.246213	7.06E-08	0.009311	0.84095
0.2167	0.209356	5.05E-06	0.135306	0.00339	0.214305	2.97E-06	0.1491	0.00123
0.10727	0.022758	0.62375	0.116092	0.01205	0.092595	0.04551	0.112063	0.0154
2.10E-16	-0.08551	0.06486	-0.08742	0.05906	-0.00758	0.87024	-0.26912	3.43E-09
0.83127	0.221042	1.41E-06	0.115471	0.01252	0.192728	2.75E-05	0.106743	0.02105
0.26419	0.195872	2.02E-05	0.080768	0.08123	0.085376	0.06527	0.096695	0.03672
0.15039	0.096025	0.03805	0.003921	0.93266	0.041719	0.36837	-0.00582	0.90022
0.12371	-0.02909	0.53062	0.022714	0.62442	0.01962	0.67238	0.005409	0.9072
0.00068	0.422786	1.13E-21	0.281722	5.73E-10	0.246299	6.98E-08	0.161789	0.00045
0.40113	-0.02703	0.56014	-0.02643	0.5689	-0.05029	0.27813	-0.04123	0.37399
0.06331	0.107903	0.01968	0.030429	0.51184	0.004228	0.92739	-0.0679	0.14292
0.01487	0.234206	3.07E-07	0.133124	0.00395	0.116481	0.01177	0.220875	1.44E-06
0.00967	0.171215	0.0002	0.153886	0.00085	0.14853	0.00129	0.091252	0.04875
2.72E-08	-0.20622	7.02E-06	-0.04039	0.38382	-0.19825	1.59E-05	-0.02929	0.52774
0.1535	0.114206	0.01353	0.17234	0.00018	0.211917	3.84E-06	0.066871	0.14907
0.25074	0.012985	0.77958	0.000963	0.98345	0.008061	0.86207	-0.14123	0.00222
0.13869	-0.1142	0.01354	-0.13812	0.00278	-0.09881	0.03277	0.006396	0.89035
0.06629	0.006218	0.89339	0.067751	0.14378	0.038529	0.40614	-0.0036	0.93812
1.91E-12	-0.11331	0.01429	-0.25549	2.15E-08	-0.07551	0.10314	-0.18976	3.67E-05
0.00238	-0.02666	0.56552	0.046014	0.32108	0.200516	1.27E-05	0.088628	0.05563
1.43E-07	-0.08857	0.0558	0.024978	0.59029	-0.09684	0.03644	0.206618	6.74E-06
0.85009	0.002193	0.96231	-0.11803	0.01069	0.042521	0.35923	0.05379	0.246
7.01E-10	-0.04057	0.38173	-0.04504	0.33147	0.052483	0.25767	-0.06865	0.13855
0.95151	-0.00558	0.9042	-0.02056	0.6576	-0.01327	0.77484	0.036582	0.4303
0.03259	-0.17212	0.00019	0.002578	0.9557	-0.11419	0.01354	-0.17841	0.00011
0.09804	0.028186	0.54345	-0.12375	0.00742	0.000578	0.99006	0.131798	0.00433
0.38456	0.048121	0.2994	-0.12946	0.00508	0.055079	0.23484	0.019747	0.67037
0.50727	0.013611	0.76925	-0.14645	0.00151	0.01219	0.79276	-0.00163	0.97205
0.55566	-0.0686	0.1388	-0.12114	0.00878	-0.15043	0.00111	-0.12057	0.0091
0.66342	0.123863	0.00737	0.070932	0.12585	0.099379	0.03178	0.038488	0.40664
0.00243	0.079762	0.08511	0.088325	0.05648	0.171823	0.00019	-0.00434	0.92542
0.00329	-0.00935	0.84025	-0.09257	0.04556	0.002684	0.95387	-0.00591	0.89869
0.001	0.126359	0.00625	0.048811	0.29251	0.058313	0.20844	0.117237	0.01123
0.0191	-0.02157	0.64192	-0.00038	0.99344	0.058328	0.20833	-0.03563	0.44236
0.05616	0.222845	1.15E-06	0.286499	2.84E-10	0.400549	2.01E-19	0.151154	0.00105
2.05E-11	-0.0389	0.40159	0.040611	0.38123	-0.14052	0.00234	0.191208	3.19E-05
0.01284	0.234625	2.92E-07	0.176712	0.00012	0.27607	1.29E-09	0.12934	0.00512
1.86E-10	0.314824	3.33E-12	0.106911	0.02084	0.173994	0.00016	0.347412	1.08E-14
0.10007	0.267042	4.57E-09	0.253397	2.82E-08	0.317832	2.02E-12	0.082558	0.07469



0.58551	-0.00376	0.93533	-0.0083	0.85809	0.001533	0.97365	0.012319	0.79062
0.55899	-0.12259	0.008	-0.20603	7.17E-06	-0.22091	1.43E-06	-0.17744	0.00012
6.13E-13	0.014448	0.75549	0.094688	0.04082	-0.02511	0.58836	0.227434	6.80E-07
0.16737	-0.04789	0.30177	-0.11859	0.01032	0.029494	0.52491	0.00261	0.95514
0.78978	0.140279	0.00238	0.114973	0.01291	0.182676	7.17E-05	0.122178	0.00821
0.06748	-0.10016	0.03045	-0.02645	0.56859	-0.03355	0.46946	-0.03278	0.47982
0.38364	-0.13813	0.00278	-0.02543	0.58352	-0.09861	0.03314	-0.07016	0.13004
0.15289	-0.00403	0.93076	0.011338	0.80695	0.020821	0.65358	-0.00122	0.97909
1.77E-05	0.030818	0.50647	0.112225	0.01525	0.170151	0.00022	-0.07746	0.09453
0.04223	0.254353	2.49E-08	0.231689	4.14E-07	0.218641	1.84E-06	0.172677	0.00018
0.77521	0.182598	7.22E-05	0.151778	0.001	0.22346	1.07E-06	0.197329	1.75E-05
0.89446	0.309327	8.20E-12	0.119418	0.0098	0.176373	0.00013	0.282742	4.94E-10
0.42385	0.469224	6.07E-27	0.22622	7.82E-07	0.251314	3.69E-08	0.333577	1.34E-13
1.13E-08	0.190955	3.27E-05	0.207346	6.24E-06	0.15432	0.00082	0.223757	1.04E-06
0.00664	-0.08551	0.06484	-0.13113	0.00453	-0.14155	0.00217	0.125332	0.00669
0.00017	-0.01962	0.67244	0.065811	0.15563	0.179277	9.80E-05	-0.02161	0.64132
0.00979	-0.15638	0.0007	-0.1894	3.80E-05	-0.06868	0.13833	-0.11377	0.0139
7.60E-18	0.018555	0.68921	-8.65E-05	0.99851	0.170555	0.00021	-0.02631	0.57063
0.00269	0.360662	8.59E-16	0.134269	0.00365	0.154401	0.00081	-0.04304	0.35342
1.28E-09	0.032763	0.48	0.077398	0.0948	0.131193	0.00451	-0.00674	0.88452
2.95E-06	-0.14043	0.00235	-0.16499	0.00034	-0.05105	0.27093	-0.08192	0.07697
0.22691	0.123898	0.00735	0.18907	3.92E-05	0.197651	1.69E-05	0.021515	0.64282
0.09889	-0.01814	0.69587	-0.06836	0.14021	0.069297	0.13483	0.046235	0.31876
0.34786	0.07493	0.10584	0.062168	0.17987	0.195733	2.05E-05	0.056182	0.22559
2.19E-11	0.093996	0.04232	0.106152	0.02177	-0.03783	0.41474	0.279561	7.84E-10
2.00E-05	0.130883	0.00461	0.093744	0.04288	0.046184	0.3193	0.064152	0.16634
0.01499	0.204128	8.74E-06	-0.03082	0.50637	0.007997	0.86316	0.070372	0.12887
1.43E-06	-0.03953	0.39407	-0.07655	0.09849	0.031313	0.49966	0.002286	0.9607
9.84E-13	0.172305	0.00018	0.156709	0.00068	0.079445	0.08636	0.311715	5.56E-12
0.13571	0.058615	0.2061	0.099638	0.03134	0.139234	0.00257	-0.01237	0.78976
0.72546	0.234631	2.92E-07	0.217401	2.11E-06	0.287846	2.32E-10	0.140304	0.00237
5.14E-06	0.118343	0.01048	0.086984	0.06034	0.158779	0.00057	0.032807	0.47941
0.12442	0.196656	1.87E-05	0.05258	0.25679	0.07849	0.09022	0.08942	0.05347
0.10322	-0.06676	0.14975	-0.04714	0.30937	-0.04328	0.35074	0.004418	0.92413
3.27E-11	0.122499	0.00805	0.193254	2.61E-05	0.363292	5.13E-16	-0.00208	0.96423
0.39657	0.091823	0.04735	0.137563	0.00289	0.20998	4.72E-06	0.064605	0.16337
0.00396	0.041555	0.37026	0.089656	0.05284	0.116804	0.01154	0.035998	0.4377
0.40625	-0.16796	0.00027	-0.24268	1.10E-07	-0.28995	1.69E-10	-0.09597	0.03815
0.01461	0.133921	0.00374	0.16502	0.00034	0.145343	0.00164	0.181388	8.08E-05
0.04603	0.215473	2.61E-06	0.180683	8.62E-05	0.138111	0.00278	0.197548	1.71E-05
1.05E-06	0.092718	0.04522	0.108818	0.01866	0.207443	6.18E-06	0.068616	0.13872
0.0489	0.324625	6.38E-13	0.265368	5.74E-09	0.226454	7.62E-07	0.141341	0.0022
0.19094	0.123963	0.00732	0.116466	0.01178	0.154646	0.0008	0.190957	3.27E-05
0.05127	-0.06301	0.17406	-0.02156	0.64214	-0.07815	0.09163	-0.04367	0.34637
5.74E-05	0.042647	0.3578	0.120019	0.00943	0.222564	1.19E-06	0.033801	0.46619

0.02903	0.220668	1.47E-06	0.114541	0.01326	0.192502	2.81E-05	0.00112	0.98075
0.17658	-0.06992	0.13138	-0.10841	0.01911	-0.12011	0.00937	-0.03505	0.44986
4.47E-05	0.03764	0.41707	0.153196	0.0009	0.105353	0.02279	0.208205	5.70E-06
1.02E-10	0.197708	1.68E-05	0.078639	0.08961	0.01841	0.69151	0.237155	2.16E-07
0.01083	-0.04804	0.30018	-0.11102	0.01639	-0.11237	0.01512	0.02075	0.65469
0.05443	0.301663	2.79E-11	0.00027	0.99535	0.124936	0.00687	0.01723	0.71036
0.15466	0.018643	0.68781	-0.07376	0.11143	-0.08806	0.05723	0.084784	0.06716
8.28E-05	-0.01784	0.70063	0.005293	0.90918	0.100428	0.03001	-0.05761	0.21399
5.03E-26	-0.0608	0.18969	-0.02263	0.62568	-0.24829	5.43E-08	0.234164	3.09E-07
0.01838	0.025612	0.58089	0.055255	0.23335	0.07261	0.11712	0.090509	0.05062
0.55393	0.012507	0.7875	0.039998	0.38848	0.027498	0.55334	-0.00616	0.89435
0.00128	-0.02	0.66637	-0.03722	0.42224	0.013253	0.77515	-0.11224	0.01523
3.30E-10	-0.05882	0.20449	-0.05362	0.24752	0.045664	0.32478	-0.18171	7.84E-05
0.10433	0.143968	0.00181	0.047636	0.30431	0.068718	0.13813	0.125749	0.00651
0.00296	0.054154	0.24281	0.085454	0.06502	0.113688	0.01396	-0.05954	0.19904
0.97883	-0.01611	0.72841	0.021896	0.63695	-0.00332	0.943	0.010995	0.81268
0.00684	-0.00842	0.85601	0.00098	0.98314	0.054307	0.24148	-0.03841	0.40758
0.05578	0.150071	0.00114	0.131185	0.00452	0.21266	3.54E-06	0.036976	0.42534
1.45E-10	0.278451	9.20E-10	0.18832	4.21E-05	0.165849	0.00032	0.22265	1.18E-06
0.18309	0.034263	0.46011	0.024008	0.60481	0.085102	0.06614	-0.0182	0.69488
0.00868	0.054915	0.23624	-0.13856	0.00269	-0.00399	0.9314	-0.02809	0.54476
0.27651	0.222039	1.26E-06	0.199258	1.44E-05	0.20776	5.98E-06	-0.11733	0.01116
0.10834	-0.01531	0.74146	-0.14152	0.00217	-0.0111	0.81096	-0.03061	0.50939
0.0569	0.001127	0.98062	-0.00798	0.86347	0.154106	0.00083	0.006054	0.89618
0.01998	-0.02343	0.6136	-0.09734	0.03547	0.00621	0.89353	-0.0742	0.1093
0.50842	-0.24383	9.51E-08	-0.10742	0.02024	-0.14964	0.00118	-0.06931	0.13474
3.91E-13	-0.05931	0.20075	-0.10971	0.01771	-0.00049	0.99151	-0.17374	0.00016
6.39E-06	-0.2309	4.54E-07	-0.14834	0.0013	-0.22014	1.56E-06	-0.15622	0.0007
0.05665	0.045569	0.32579	0.116752	0.01157	0.131715	0.00436	0.041438	0.3716
0.07364	0.281972	5.52E-10	0.182758	7.12E-05	0.23593	2.50E-07	0.17596	0.00013
1.55E-08	0.130494	0.00473	0.172476	0.00018	0.059842	0.19674	0.250458	4.12E-08
0.36613	0.086854	0.06073	-0.01985	0.6688	0.014323	0.75754	0.031877	0.49195
0.0055	-0.05968	0.19798	-0.04781	0.30258	-0.04681	0.31281	-0.09479	0.0406
0.85707	-0.01084	0.81524	0.001165	0.97997	-0.00517	0.91128	0.014169	0.76007
2.86E-05	-0.15009	0.00114	-0.16218	0.00043	-0.12705	0.00597	-0.3109	6.34E-12
0.52752	0.100752	0.02948	0.17224	0.00018	0.104113	0.02445	0.079565	0.08588
1.51E-05	0.121187	0.00875	0.146069	0.00155	0.255913	2.03E-08	-0.03268	0.48112
0.05374	0.018924	0.68336	0.014442	0.7556	0.00922	0.84248	0.043094	0.35278
1.08E-06	0.104275	0.02423	0.135971	0.00324	0.224943	9.06E-07	-0.07032	0.12918
0.56712	0.012709	0.78415	0.108219	0.01932	0.125691	0.00653	0.001493	0.97433
0.0002	-0.18511	5.71E-05	0.023834	0.60743	-0.11504	0.01286	0.01141	0.80575
0.50653	0.096352	0.03739	-0.01167	0.80141	0.028327	0.54144	0.121948	0.00834
0.22481	0.005809	0.90037	0.020672	0.65591	-0.02281	0.62294	0.012611	0.78577
0.0017	0.021104	0.64919	-0.02697	0.56101	-0.00454	0.92198	0.150149	0.00114
0.02275	0.090601	0.05038	0.035021	0.45024	0.076806	0.09736	0.005557	0.90467

0.00013	-0.22188	1.28E-06	-0.18178	7.79E-05	-0.21319	3.35E-06	-0.06452	0.16391
0.07687	0.053459	0.24891	0.1244	0.00711	0.149172	0.00122	0.018862	0.68433
0.00642	-0.01301	0.77911	-0.00667	0.88563	-0.09834	0.03362	-0.0701	0.13035
0.10981	0.105127	0.02309	0.080144	0.08362	0.103864	0.0248	0.177018	0.00012
3.54E-05	-0.06522	0.15941	-0.01009	0.82791	-0.10103	0.02904	0.09175	0.04752
0.7741	-0.0559	0.22793	-0.18109	8.30E-05	0.007484	0.87186	0.020464	0.65914
0.0355	-0.16685	0.00029	-0.12166	0.00849	-0.08564	0.06444	-0.12128	0.0087
0.00025	-0.16278	0.00041	-0.19615	1.96E-05	-0.14937	0.00121	-0.19913	1.46E-05
0.80134	-0.0853	0.06551	-0.04419	0.34071	-0.0302	0.51506	-0.01605	0.72946
0.67455	0.007425	0.87287	0.012566	0.78652	0.051186	0.26963	-0.03181	0.4928
0.05019	0.094794	0.0406	0.017698	0.70287	0.128612	0.00538	-0.01814	0.69587
0.00662	-0.06552	0.15749	-0.04556	0.32583	-0.02101	0.6506	-0.11029	0.01711
4.60E-09	-0.11529	0.01266	-0.04549	0.32665	-0.01712	0.71211	-0.22129	1.37E-06
0.05341	0.0335	0.47017	0.034967	0.45093	0.110704	0.0167	-0.03714	0.42326
0.35235	0.117467	0.01107	0.187551	4.53E-05	0.257144	1.73E-08	0.130673	0.00468
0.26779	-0.08895	0.05475	-0.03981	0.39066	-0.05094	0.27194	-0.00355	0.93894
0.05771	-0.07913	0.08762	-0.0404	0.38377	-0.05139	0.26777	0.055259	0.23331
0.01852	0.399935	2.30E-19	0.190884	3.29E-05	0.215988	2.47E-06	0.068826	0.13751
0.00239	0.116349	0.01187	0.085201	0.06582	0.061389	0.1854	0.110247	0.01716
4.17E-05	-0.14942	0.0012	-0.09688	0.03635	-0.08659	0.06153	-0.1075	0.02015
0.01718	0.219267	1.72E-06	0.076292	0.09962	0.053773	0.24615	0.190252	3.50E-05
0.70708	0.152057	0.00098	0.195564	2.08E-05	0.143468	0.00188	0.130656	0.00468
1.89E-07	-0.0958	0.03851	-0.08496	0.06661	-0.04894	0.29121	-0.14061	0.00232
0.00746	0.337607	6.51E-14	0.26258	8.38E-09	0.302291	2.53E-11	0.10892	0.01855
1.54E-07	0.126803	0.00607	0.026725	0.56456	0.120783	0.00898	-0.04759	0.30474
0.03463	0.1443	0.00177	0.079848	0.08477	0.128755	0.00533	0.252754	3.07E-08
0.2105	-0.13604	0.00322	-0.05609	0.22634	-0.09583	0.03843	-0.1561	0.00071
0.13348	-0.01742	0.70731	0.064789	0.16217	0.036642	0.42954	-0.00035	0.99406
1.04E-06	-0.00761	0.86966	0.029715	0.52181	-0.03371	0.46739	0.029674	0.52238
9.13E-06	-0.21227	3.70E-06	0.053932	0.24475	-0.10289	0.02618	0.128755	0.00533
0.00025	-0.10161	0.02812	0.071451	0.1231	0.087229	0.05962	-0.07347	0.11283
0.01487	-0.31097	6.28E-12	-0.11404	0.01367	-0.24285	1.07E-07	-0.18847	4.15E-05
0.11783	0.090197	0.05142	0.072151	0.11946	0.06273	0.17596	0.140982	0.00226
0.004	0.03335	0.47217	0.074411	0.10828	0.213735	3.16E-06	-0.01765	0.70367
0.67441	0.277254	1.09E-09	0.134594	0.00357	0.088944	0.05476	-0.02694	0.56144
0.04016	0.000152	0.99738	-0.06961	0.13306	-0.01189	0.79767	0.074729	0.10678
0.00104	-0.13959	0.0025	-0.07592	0.10128	-0.21137	4.07E-06	-0.01362	0.7691
0.00124	-0.00431	0.926	-0.04589	0.32236	0.022098	0.63385	-0.07526	0.10428
0.02294	-0.07867	0.08948	-0.16958	0.00023	-0.23941	1.64E-07	-0.15392	0.00085
3.25E-09	0.105091	0.02313	0.136302	0.00316	0.04993	0.28158	0.13692	0.00303
0.0023	0.156596	0.00068	0.106145	0.02178	0.018615	0.68825	0.029345	0.527
0.01677	-0.07922	0.08725	0.001259	0.97836	-0.11605	0.01209	0.037092	0.42388
0.00976	0.161143	0.00047	0.043934	0.34347	0.059354	0.20042	-0.02743	0.55427
5.04E-05	0.15403	0.00084	0.200618	1.25E-05	0.132381	0.00416	0.109239	0.0182
5.17E-05	-0.06914	0.13574	-0.00397	0.93175	-0.00054	0.9907	-0.21554	2.59E-06

0.0001	0.053076	0.25233	0.094261	0.04174	0.064167	0.16624	0.13816	0.00277
0.18102	-0.10806	0.0195	-0.11123	0.01619	-0.12976	0.00498	-0.03064	0.50899
0.22873	0.077337	0.09506	0.009852	0.83184	0.122452	0.00807	0.072748	0.11642
0.00013	-0.04814	0.29917	-0.1317	0.00436	-0.01072	0.81725	-0.07931	0.08691
0.60417	0.074665	0.10708	0.054834	0.23693	0.030512	0.5107	0.065873	0.15524
0.28807	0.02583	0.57767	-0.02299	0.62028	0.038784	0.40304	0.130495	0.00473
0.54723	0.085278	0.06558	-0.03869	0.40414	0.085628	0.06447	0.078561	0.08993
0.41018	-0.02643	0.56892	-0.13167	0.00437	-0.13022	0.00482	0.064764	0.16233
0.77456	-0.39401	8.56E-19	-0.19472	2.26E-05	-0.29918	4.12E-11	-0.04959	0.28489
0.00136	-0.03113	0.50223	-0.12005	0.00941	-0.07729	0.09526	0.033665	0.46798
4.87E-15	0.171802	0.00019	0.196544	1.89E-05	0.101447	0.02837	0.331967	1.78E-13
0.0683	0.184329	6.15E-05	0.23665	2.29E-07	0.264348	6.60E-09	0.168867	0.00025
0.25733	-0.03636	0.43305	-0.02217	0.63278	0.036996	0.42509	0.014729	0.7509
5.61E-18	0.307545	1.09E-11	0.298622	4.49E-11	0.212066	3.78E-06	0.289829	1.73E-10
0.07324	0.051941	0.26263	-0.00039	0.99325	0.010008	0.82921	-0.06263	0.17666
0.17673	0.008909	0.84774	0.050018	0.28073	0.062928	0.1746	0.016752	0.71804
0.00025	0.000673	0.98843	0.064515	0.16396	0.094488	0.04125	-0.02163	0.64099
0.00382	-0.03408	0.46248	0.036667	0.42923	0.062353	0.17858	-0.05811	0.21002
0.06886	-0.15651	0.00069	-0.02801	0.54593	-0.07876	0.0891	-0.10686	0.0209
0.92389	-0.10408	0.02449	0.002683	0.95388	-0.04736	0.30708	-0.01544	0.73937
0.0127	0.102264	0.02712	-0.07474	0.10671	-0.00107	0.98158	0.019916	0.66773
0.70923	-0.04203	0.36483	-0.11606	0.01208	0.015057	0.74554	-0.05593	0.22769
0.59541	0.104926	0.02335	0.091287	0.04866	0.156958	0.00066	0.041372	0.37237
0.23471	0.027481	0.55359	0.072833	0.116	0.028769	0.53515	0.068143	0.14147
0.67277	0.091058	0.04923	-0.09271	0.04525	0.103812	0.02487	-0.05416	0.24273
1.09E-12	-0.16975	0.00023	-0.11939	0.00981	-0.13584	0.00327	-0.13371	0.0038
0.00514	0.012974	0.77976	0.058923	0.20372	-0.10943	0.018	0.125525	0.00661
0.08541	0.205263	7.76E-06	0.048546	0.29514	0.108573	0.01893	0.17067	0.00021
0.4399	0.072088	0.11978	0.031361	0.499	0.136649	0.00309	0.102884	0.0262
7.34E-05	0.120198	0.00932	0.087922	0.05762	0.035912	0.43879	0.27324	1.93E-09
0.0021	0.200485	1.27E-05	0.092876	0.04485	0.223198	1.10E-06	0.048573	0.29488
0.00664	0.101773	0.02787	0.056982	0.21904	0.168736	0.00025	-0.01529	0.74167
0.03635	0.13219	0.00422	0.122171	0.00822	0.198556	1.54E-05	0.031527	0.49673
0.97918	0.141	0.00226	0.205213	7.80E-06	0.228487	6.02E-07	0.196822	1.84E-05
0.1833	0.03396	0.46409	0.111343	0.01608	0.119169	0.00995	0.147043	0.00144
0.45042	0.081484	0.07856	0.122613	0.00799	0.088089	0.05714	0.153521	0.00087
0.00197	0.02167	0.64044	0.017012	0.71386	-0.00368	0.93671	0.201256	1.17E-05
0.94536	0.130524	0.00473	-0.00802	0.86284	-0.01756	0.70502	-0.00262	0.955
0.27094	0.133262	0.00391	0.034946	0.45121	0.001911	0.96715	0.076361	0.09932
0.04969	0.026128	0.57329	-0.04399	0.34282	-0.01634	0.72464	0.093849	0.04265
0.96023	-0.1062	0.02171	-0.03753	0.41842	-0.05787	0.21193	0.057442	0.21534
0.77364	-0.08205	0.07649	-0.04282	0.35586	-0.07371	0.11164	0.062628	0.17666
0.60771	0.012427	0.78882	0.035086	0.44939	0.046842	0.31244	0.030653	0.50874
0.13368	-0.05643	0.22352	-0.00044	0.9924	0.015987	0.73042	-0.00852	0.85423
0.62479	0.071956	0.12046	0.075036	0.10534	0.105624	0.02244	-0.0184	0.69173

0.81999	-0.0127	0.78427	0.037394	0.42012	0.044468	0.33763	0.072169	0.11936
0.67827	0.007221	0.87633	0.013094	0.77778	0.03215	0.48826	0.051542	0.26631
0.3642	-0.06858	0.13893	-0.01949	0.67435	-0.04096	0.37711	0.031619	0.49547
0.81973	0.027706	0.55035	0.040794	0.37909	0.106171	0.02175	0.085206	0.06581
0.01963	-0.0008	0.98624	0.020533	0.65807	0.154756	0.00079	0.044826	0.33375
0.03259	-0.15936	0.00055	-0.16365	0.00038	-0.20064	1.25E-05	0.053111	0.25202
1.40E-05	-0.08532	0.06545	-0.0369	0.42626	0.069123	0.13582	-0.0756	0.10277
0.00281	0.132854	0.00403	0.126095	0.00636	0.049135	0.28932	0.004791	0.91776
0.7765	0.095204	0.03973	-0.03738	0.4203	0.04842	0.2964	0.143785	0.00184
0.09635	0.027207	0.55755	0.01953	0.67378	0.012967	0.77988	0.087978	0.05746
0.4937	-0.23863	1.80E-07	-0.18546	5.53E-05	-0.28979	1.73E-10	-0.22875	5.84E-07
0.11804	-0.31236	5.00E-12	-0.15236	0.00096	-0.26469	6.30E-09	-0.18099	8.38E-05
0.55657	0.038732	0.40367	0.038525	0.4062	0.138289	0.00275	0.080248	0.08322
0.00043	-0.06601	0.1544	0.009541	0.83707	0.010168	0.82653	-0.02738	0.55508
0.03903	0.17403	0.00016	0.15593	0.00072	0.219402	1.69E-06	0.198575	1.54E-05
0.00355	0.165848	0.00032	0.119765	0.00958	0.173231	0.00017	0.074564	0.10756
0.00457	0.106556	0.02127	0.061593	0.18394	0.119738	0.0096	0.01981	0.66939
0.11552	0.021496	0.64311	0.040688	0.38034	0.069855	0.13171	0.03257	0.4826
0.06582	0.081622	0.07806	0.140796	0.00229	0.20594	7.23E-06	0.01419	0.75972
0.12595	-0.14188	0.00212	-0.15431	0.00082	-0.1941	2.41E-05	-0.06041	0.19254
4.41E-05	-0.06733	0.14628	0.001899	0.96736	-0.10107	0.02898	0.081217	0.07955
0.15869	-0.02598	0.57539	-0.00747	0.87208	-0.10934	0.0181	0.008076	0.86183
0.00217	0.050713	0.2741	0.127134	0.00594	0.043119	0.3525	0.151576	0.00102
0.51103	-0.0096	0.83602	0.022752	0.62383	0.040516	0.38235	-0.00898	0.84656
0.87779	0.133491	0.00385	0.170907	0.00021	0.255121	2.25E-08	0.067766	0.14369
0.00464	0.232045	3.97E-07	0.026529	0.56742	-0.02611	0.57354	-0.00495	0.91507
0.18095	-0.0522	0.26022	-0.05278	0.255	-0.18032	8.91E-05	0.051775	0.26416
0.00076	-0.13223	0.0042	-0.02681	0.56329	-0.08956	0.05311	-0.14998	0.00115
4.88E-08	0.021974	0.63575	-0.02032	0.66146	0.092415	0.04593	-0.19632	1.93E-05
0.73372	-0.11529	0.01266	-0.09438	0.04149	-0.15559	0.00074	-0.04088	0.37811
0.55362	0.135114	0.00344	0.061009	0.18814	0.13731	0.00294	0.037589	0.41771
2.53E-10	0.186442	5.04E-05	0.249381	4.73E-08	0.06683	0.14932	0.203455	9.36E-06
0.2062	0.30359	2.06E-11	0.01667	0.71937	-0.07193	0.12061	0.039459	0.3949
0.23272	0.083469	0.07153	0.142491	0.00202	0.146191	0.00154	0.118571	0.01033
0.66713	0.037928	0.41351	0.065404	0.15821	0.044502	0.33726	-0.0062	0.89372
0.21797	0.067572	0.14484	0.025062	0.58903	0.045556	0.32593	0.086273	0.06248
0.93202	0.012546	0.78684	0.017408	0.7075	0.048775	0.29288	-0.00643	0.88974
0.0094	-0.01698	0.71441	-0.07459	0.10742	-0.01096	0.81325	-0.07746	0.09453
0.1097	-0.01687	0.71618	-0.0198	0.66953	-0.01489	0.74819	0.004797	0.91765
0.04354	-0.0186	0.68846	-0.04181	0.36736	-0.02501	0.58982	0.079658	0.08552
0.75829	-0.04042	0.38352	-0.12138	0.00865	-0.11528	0.01267	0.036841	0.42703
1.42E-16	0.008686	0.8515	0.015912	0.73162	0.072007	0.1202	-0.16431	0.00036
3.03E-07	-0.07443	0.1082	-0.13973	0.00248	-0.16643	0.0003	0.051158	0.2699
0.62421	-0.05131	0.26846	-0.0332	0.47422	-0.02478	0.5933	0.021111	0.64908
0.40802	-0.00884	0.84892	-0.02892	0.53295	0.013551	0.77023	0.002287	0.96069

0.41915	-0.0259	0.57662	-0.03683	0.42715	-0.05852	0.20681	0.013917	0.76421
0.21179	0.175588	0.00014	0.139226	0.00257	0.238778	1.77E-07	0.074685	0.10699
0.14052	-0.06101	0.18816	-0.12036	0.00923	-0.04148	0.37114	0.078163	0.09157
0.46231	0.075872	0.10151	-0.02532	0.58527	0.069778	0.13214	0.076853	0.09715
0.30397	-0.03577	0.44056	0.004511	0.92256	-0.00507	0.91298	-0.00972	0.83405
0.00565	-0.01813	0.69593	-0.02609	0.57391	0.140485	0.00234	-0.00387	0.93351
0.00069	0.096204	0.03769	0.083531	0.07132	0.065182	0.15963	0.201923	1.10E-05
0.003	0.151415	0.00103	0.008655	0.85203	0.076086	0.10055	-0.04545	0.32703
4.17E-07	-0.19992	1.35E-05	-0.16776	0.00027	-0.1721	0.00019	-0.06965	0.13284
0.02398	0.108248	0.01929	0.13283	0.00403	0.131475	0.00443	0.059769	0.19729
0.45667	0.222996	1.13E-06	0.165012	0.00034	0.124415	0.0071	0.043327	0.35019
7.04E-09	0.259978	1.19E-08	0.258008	1.54E-08	0.197558	1.71E-05	0.189324	3.83E-05
9.03E-06	0.477719	5.35E-28	0.179552	9.56E-05	0.194445	2.32E-05	0.170781	0.00021
0.01734	0.036037	0.4372	-0.05049	0.27623	-0.01378	0.76641	-0.07735	0.09502
1.58E-05	0.02132	0.64584	-0.05391	0.24492	-0.04862	0.2944	0.145618	0.0016
0.41157	-0.04716	0.30915	0.11558	0.01244	0.159092	0.00056	0.278316	9.38E-10
0.04694	0.054197	0.24244	-0.03125	0.50051	-0.02881	0.53456	0.088807	0.05514
0.00224	0.012177	0.79297	0.011529	0.80376	0.055692	0.22967	0.034449	0.45767
0.0017	-0.00734	0.87427	-0.04282	0.3558	0.034907	0.45172	-0.00615	0.89457
0.91615	-0.14113	0.00224	-0.08151	0.07846	-0.12561	0.00657	-0.22414	9.92E-07
1.43E-17	0.231383	4.29E-07	0.237475	2.07E-07	0.149815	0.00117	0.208148	5.74E-06
0.00742	-0.08687	0.06067	0.060329	0.19312	-0.04246	0.35995	-0.03968	0.3922
6.27E-09	0.299242	4.08E-11	0.269101	3.44E-09	0.239019	1.72E-07	0.158305	0.0006
0.64869	0.131665	0.00437	-0.02866	0.53668	-0.01659	0.72065	0.058446	0.20741
0.00129	-0.04016	0.38653	-0.12456	0.00704	-0.08361	0.07105	-0.14512	0.00167
0.00063	-0.0996	0.0314	-0.23592	2.50E-07	-0.24318	1.03E-07	0.079652	0.08554
8.26E-10	-0.03565	0.4421	-0.05446	0.24014	-0.14552	0.00162	0.210661	4.39E-06
0.00137	-0.19844	1.56E-05	-0.2654	5.72E-09	-0.24262	1.11E-07	-0.23804	1.94E-07
0.0002	0.050243	0.27857	0.064228	0.16584	0.018706	0.68681	0.143384	0.00189
5.06E-07	-0.2579	1.57E-08	-0.23583	2.53E-07	-0.15641	0.00069	-0.15456	0.0008
0.67753	0.214238	2.99E-06	0.069521	0.13357	0.132248	0.0042	0.179893	9.27E-05
0.8774	0.175024	0.00014	0.050895	0.27237	0.100847	0.02933	0.088722	0.05537
0.3179	0.228701	5.87E-07	0.014045	0.76211	0.099024	0.0324	0.021623	0.64115
2.13E-09	0.137147	0.00298	0.075019	0.10542	0.022919	0.62129	0.213866	3.11E-06
0.00091	0.254459	2.46E-08	0.21954	1.67E-06	0.168101	0.00026	0.24067	1.41E-07
6.06E-05	0.198199	1.60E-05	0.167837	0.00027	0.343382	2.28E-14	0.04777	0.30294
0.37562	0.056696	0.22136	0.076566	0.09841	0.015304	0.7415	-0.06878	0.13777
3.00E-06	0.050377	0.27729	-0.04702	0.31063	0.227131	7.04E-07	-0.0172	0.7109
1.44E-07	-0.04722	0.30857	-0.12636	0.00625	0.016209	0.72682	-0.14307	0.00194
0.03909	-0.04187	0.36667	-0.10421	0.02432	-0.0118	0.79932	-0.09794	0.03435
2.32E-06	-0.05998	0.19568	-0.00303	0.94788	0.042174	0.36317	-0.09503	0.0401
0.09601	-0.0086	0.85293	-0.03224	0.48709	0.000195	0.99664	0.064487	0.16413
0.06536	-0.09866	0.03304	-0.04467	0.33542	-0.05447	0.24006	-0.13942	0.00253
0.19279	-0.12992	0.00492	-0.12448	0.00708	-0.14093	0.00227	-0.06056	0.19142
0.08507	-0.12075	0.009	-0.08022	0.08333	-0.10207	0.02741	-0.09864	0.03307

0.03507	0.096138	0.03782	0.093763	0.04284	0.047972	0.3009	-0.02717	0.5581
1.50E-10	0.050558	0.27556	0.023891	0.60657	0.203266	9.55E-06	-0.05652	0.2228
0.07303	0.11618	0.01199	0.184128	6.26E-05	0.266565	4.88E-09	0.17976	9.38E-05
0.01462	0.22273	1.16E-06	0.278017	9.79E-10	0.328169	3.46E-13	0.193739	2.49E-05
0.44664	0.175713	0.00014	0.206281	6.98E-06	0.273348	1.90E-09	0.221284	1.37E-06
0.01162	0.006092	0.89555	-0.12533	0.00669	-0.01659	0.72064	-0.10141	0.02843
3.35E-05	0.041477	0.37115	0.00419	0.92804	0.135149	0.00343	-0.06266	0.17647
0.30434	0.399521	2.53E-19	0.23164	4.16E-07	0.23835	1.87E-07	0.199766	1.37E-05
0.93456	-0.02111	0.64914	0.063929	0.16782	0.020381	0.66044	-0.06007	0.19505
0.04457	0.066235	0.15298	-0.0545	0.2398	0.108759	0.01872	0.072143	0.1195
0.11131	0.003664	0.93706	-0.05519	0.23393	0.048023	0.30039	0.000572	0.99017
0.64295	0.093889	0.04256	0.015889	0.732	0.166962	0.00029	0.0156	0.73669
0.06745	0.019934	0.66744	0.004053	0.93039	-0.00528	0.90939	0.000669	0.9885
0.00055	-0.13713	0.00298	-0.06939	0.13429	-0.02743	0.5544	-0.16698	0.00029
0.67969	-0.15002	0.00115	-0.16306	0.0004	-0.16863	0.00025	-0.00896	0.8469
0.0597	-0.07967	0.08548	0.064439	0.16445	-0.0435	0.34829	0.106941	0.02081
1.13E-07	0.28628	2.93E-10	0.175725	0.00014	0.076864	0.0971	0.285207	3.44E-10
0.22387	-0.13215	0.00423	-0.13547	0.00336	-0.20368	9.15E-06	-0.08046	0.08239
0.04251	-0.18214	7.54E-05	-0.11855	0.01035	-0.21779	2.02E-06	-0.09949	0.03159
0.75466	0.060976	0.18838	0.013673	0.76823	0.089045	0.05449	0.122735	0.00792
3.17E-06	-0.05548	0.23142	-0.01805	0.69726	-0.12188	0.00837	0.142819	0.00198
9.03E-07	-0.01856	0.68919	-0.04104	0.37624	-0.06872	0.13812	0.149021	0.00124
0.0663	0.081988	0.07673	0.030801	0.5067	0.111024	0.01638	-0.0274	0.55471
0.04276	0.051811	0.26383	0.005043	0.91345	0.001223	0.97896	0.146726	0.00148
2.52E-05	-0.04212	0.36376	-0.1677	0.00027	-0.07244	0.11798	-0.08896	0.05472
0.00559	-0.04339	0.3495	-0.02482	0.5926	0.020425	0.65976	-0.03619	0.43521
0.19657	0.016807	0.71716	-0.05371	0.24672	0.013302	0.77433	0.062522	0.17739
0.0002	-0.06391	0.16796	-0.01463	0.75256	-0.01326	0.7751	-0.05684	0.22022
0.3724	-0.04217	0.36319	-0.04607	0.32045	-0.03162	0.49544	0.069299	0.13483
0.57084	0.030925	0.50498	0.015456	0.73903	0.102879	0.0262	0.011546	0.80347
0.75011	0.033903	0.46484	-0.13232	0.00418	0.008006	0.863	0.057047	0.21851
3.75E-09	0.157488	0.00064	0.147294	0.00141	0.214261	2.98E-06	0.289627	1.78E-10
0.35294	0.140964	0.00226	0.074506	0.10783	0.223232	1.10E-06	0.26393	6.98E-09
0.40158	0.173069	0.00017	0.146921	0.00145	0.236396	2.36E-07	0.042499	0.35948
0.43208	0.34179	3.05E-14	0.300966	3.11E-11	0.341542	3.19E-14	0.180494	8.77E-05
2.66E-13	-0.23311	3.50E-07	-0.26288	8.05E-09	-0.27811	9.65E-10	-0.21678	2.26E-06
0.07543	0.173162	0.00017	0.212061	3.78E-06	0.165255	0.00034	0.133269	0.00391
5.01E-05	0.048962	0.29102	0.159688	0.00053	0.1255	0.00662	0.02232	0.63044
2.30E-09	0.279592	7.80E-10	0.244592	8.65E-08	0.262611	8.35E-09	0.017682	0.70312
0.52013	-0.05533	0.23274	-0.00729	0.87521	-0.03989	0.3897	-0.06507	0.16034
0.01716	-0.00957	0.83656	0.01652	0.72179	0.042356	0.3611	0.000142	0.99755
0.62096	-0.00925	0.84198	0.022534	0.62716	-0.04771	0.30358	0.040983	0.37689
0.10114	0.084358	0.06855	-0.03282	0.47925	-0.04346	0.34872	-0.13168	0.00437
0.00044	0.207015	6.46E-06	0.070887	0.12609	0.136603	0.0031	0.046028	0.32094
0.02058	-0.02703	0.56007	-0.04453	0.33696	-0.08154	0.07834	0.019024	0.68177

0.15065	-0.25418	2.55E-08	-0.15084	0.00108	-0.22599	8.04E-07	-0.19808	1.62E-05
0.00503	0.146007	0.00156	0.108377	0.01915	0.108848	0.01863	0.029997	0.51786
0.03656	0.003935	0.93242	0.072782	0.11625	0.171561	0.0002	-0.02396	0.60546
0.08459	0.027557	0.55249	0.066574	0.15088	0.283582	4.36E-10	0.006902	0.88175
0.97063	-0.01119	0.8095	-0.03003	0.5174	-0.00891	0.84778	0.124778	0.00694
0.00652	-0.02553	0.58203	-0.05934	0.20052	-0.09755	0.03509	0.069042	0.13628
0.48681	0.017961	0.69866	0.079071	0.08785	0.099076	0.03231	0.034862	0.4523
0.56361	0.051149	0.26998	0.022153	0.63301	0.076446	0.09894	0.029315	0.52743
0.01109	0.074393	0.10837	0.026594	0.56646	0.133377	0.00388	0.048407	0.29653
0.01902	-0.42262	1.18E-21	-0.07018	0.12994	-0.27	3.04E-09	-0.1425	0.00202
0.0038	0.220527	1.49E-06	0.128327	0.00548	0.034343	0.45906	-0.07075	0.12683
0.03059	-0.05572	0.2294	-0.01525	0.74231	0.149321	0.00121	-0.03262	0.48193
0.03044	0.215515	2.60E-06	0.189606	3.73E-05	0.289476	1.82E-10	0.031232	0.50076
0.18655	0.014067	0.76174	-0.05908	0.20253	0.015903	0.73177	-0.0898	0.05247
0.16286	-0.0191	0.68051	0.021704	0.63991	-0.0021	0.96397	0.09992	0.03086
0.49297	-0.02145	0.6438	-0.06705	0.14798	0.023541	0.61186	0.094141	0.042
0.06178	-0.02396	0.60546	0.22059	1.48E-06	0.165457	0.00033	0.095516	0.03908
0.25762	0.030001	0.5178	0.034618	0.45548	0.09943	0.03169	-0.04615	0.31963
0.00042	-0.07267	0.11682	-0.03299	0.477	-0.01288	0.78124	-0.08438	0.06847
0.00253	0.047131	0.30947	0.117413	0.01111	0.009481	0.83809	0.117005	0.01139
0.00033	-0.12203	0.00829	-0.122	0.00831	-0.08487	0.06688	-0.16437	0.00036
0.4368	-0.04117	0.37472	0.035662	0.44198	0.080784	0.08117	0.043704	0.346
0.0375	-0.01376	0.76673	0.002715	0.95335	-0.00691	0.88167	-0.05208	0.26132
0.37853	-0.04006	0.38768	0.105152	0.02305	0.013012	0.77914	0.072033	0.12006
0.34751	0.114037	0.01367	0.115476	0.01252	0.115829	0.01225	0.043351	0.34991
0.00049	-0.02606	0.5743	0.045433	0.32724	0.161629	0.00045	0.024428	0.59851
0.52487	0.01135	0.80675	0.079771	0.08507	0.057885	0.21181	0.024821	0.59263
0.0305	0.220305	1.53E-06	0.266433	4.97E-09	0.224367	9.67E-07	0.096693	0.03672
0.00097	0.276084	1.29E-09	0.214307	2.97E-06	0.174441	0.00015	0.185506	5.50E-05
4.81E-05	0.10916	0.01829	0.087291	0.05944	0.100995	0.02909	-0.06159	0.18395
0.86455	0.105267	0.0229	0.01199	0.79609	0.044806	0.33397	-0.03324	0.47367
0.10803	-0.05303	0.25272	0.015071	0.74531	0.094175	0.04193	0.070267	0.12945
0.57288	-0.27438	1.64E-09	-0.15931	0.00055	-0.21499	2.75E-06	-0.10532	0.02283
0.91452	-0.15773	0.00062	0.013602	0.7694	-0.06843	0.13977	0.106377	0.02149
1.18E-08	0.040152	0.38664	-0.08723	0.05963	-0.05022	0.27875	0.253305	2.86E-08
0.00026	-0.01387	0.76492	0.065863	0.1553	0.029416	0.526	0.013506	0.77098
0.10989	-0.04767	0.30396	-0.01418	0.75988	0.128872	0.00529	-0.06564	0.15674
0.24168	-0.01908	0.68086	-0.00039	0.99321	-0.03163	0.49525	0.059308	0.20077
3.45E-15	-0.17859	0.0001	-0.13267	0.00408	-0.06425	0.1657	-0.25249	3.17E-08
0.00014	-0.12474	0.00696	-0.06877	0.13785	0.038553	0.40585	-0.14709	0.00144
5.36E-08	-0.02379	0.60807	0.056525	0.22276	0.17366	0.00016	-0.07916	0.0875
0.00104	-0.06469	0.16284	-0.00091	0.98433	-0.13567	0.00331	-0.09025	0.05127
2.58E-08	0.001784	0.96932	-0.04002	0.38825	-0.03612	0.4362	0.083231	0.07235
0.01347	0.065761	0.15595	0.048028	0.30034	0.10062	0.0297	-0.05497	0.23574
0.01711	0.31924	1.59E-12	0.208446	5.56E-06	0.353284	3.57E-15	0.142996	0.00195



3.00E-10	-0.17887	0.0001	-0.06181	0.18237	-0.12053	0.00913	-0.1495	0.00119
0.1485	0.147021	0.00144	0.090837	0.04979	0.203037	9.78E-06	0.047291	0.30782
0.11137	0.100221	0.03035	0.080138	0.08364	0.087907	0.05766	0.098589	0.03317
0.02697	0.071898	0.12076	0.14286	0.00197	0.086297	0.06241	0.053867	0.24532
0.15951	-0.19638	1.92E-05	-0.04916	0.28903	-0.09679	0.03653	-0.08791	0.05764
0.21134	0.155069	0.00077	0.219577	1.66E-06	0.254692	2.38E-08	0.252379	3.22E-08
4.84E-06	0.01674	0.71824	-0.0712	0.12441	0.136931	0.00303	-0.05516	0.23416
0.00518	0.143052	0.00194	0.153031	0.00091	0.196811	1.84E-05	0.127077	0.00596
0.71163	-0.11116	0.01626	-0.1348	0.00352	-0.1023	0.02706	-0.03657	0.43039
0.00551	0.087789	0.058	-0.06625	0.15288	0.1257	0.00653	-0.13722	0.00296
0.918	0.058903	0.20387	0.069799	0.13202	0.125672	0.00654	0.243851	9.49E-08
0.43425	0.034888	0.45197	0.102683	0.02649	-0.00198	0.96603	0.223767	1.04E-06
0.00022	-0.09868	0.033	-0.04668	0.31412	-0.1814	8.07E-05	-0.08641	0.06207
4.57E-05	0.175322	0.00014	0.137886	0.00283	0.251639	3.54E-08	-0.17644	0.00013
0.80733	-0.09585	0.03841	-0.07372	0.11162	-0.16234	0.00043	-0.1678	0.00027
0.60005	0.011053	0.8117	0.037522	0.41854	0.070887	0.12609	0.060191	0.19414
0.03465	0.092971	0.04463	0.192882	2.71E-05	0.217543	2.08E-06	0.082479	0.07497
0.03705	0.14693	0.00145	0.065292	0.15893	0.103244	0.02567	-0.00873	0.85084
0.01391	0.119517	0.00973	0.183034	6.94E-05	0.27167	2.41E-09	0.056182	0.22559
0.56933	0.132902	0.00401	0.112215	0.01526	0.142149	0.00207	0.024171	0.60235
1.20E-05	0.164461	0.00036	0.181438	8.04E-05	0.306929	1.21E-11	0.084342	0.06861
1.05E-13	0.142673	0.002	0.043748	0.34552	0.209382	5.03E-06	-0.08558	0.06461
0.00085	0.116488	0.01176	0.052811	0.25471	0.038907	0.40156	0.045173	0.33001
0.00747	0.06121	0.18668	0.011304	0.80752	0.090815	0.04984	0.11338	0.01423
0.00012	-0.07563	0.10259	0.009133	0.84396	0.034635	0.45526	-0.09956	0.03148
3.20E-12	-0.06267	0.17635	0.045445	0.32712	0.139379	0.00254	-0.0498	0.28287
0.00018	-0.05457	0.23922	-0.03522	0.44762	0.061161	0.18704	-0.07095	0.12573
0.00036	0.118791	0.01019	0.191061	3.24E-05	0.304192	1.87E-11	0.039922	0.38938
0.0466	0.454159	3.82E-25	0.188084	4.31E-05	0.379884	1.76E-17	0.133146	0.00395
3.85E-17	0.037498	0.41884	0.109074	0.01838	0.271586	2.43E-09	-0.02265	0.62543
0.79525	0.070286	0.12934	0.008244	0.85897	0.032694	0.48093	0.099523	0.03153
0.00021	-0.17781	0.00011	-0.02274	0.62407	-0.10603	0.02193	-0.02615	0.5729
2.04E-10	0.002531	0.9565	0.119141	0.00997	0.166695	0.0003	-0.00395	0.93215
1.12E-08	0.14124	0.00222	0.071785	0.12135	0.088545	0.05586	-0.13845	0.00271
0.02354	0.052996	0.25305	-0.00195	0.96641	0.029032	0.53143	0.170417	0.00022
0.70485	0.129412	0.0051	-0.00323	0.94448	0.2446	8.64E-08	0.107412	0.02025
0.01041	-0.15197	0.00099	-0.1012	0.02877	-0.0989	0.03262	-0.10795	0.01963
4.84E-09	0.215179	2.70E-06	0.154201	0.00083	0.186431	5.04E-05	0.222891	1.14E-06
0.46847	0.032627	0.48182	0.022006	0.63526	0.137921	0.00282	0.061639	0.18361
7.43E-06	0.059069	0.2026	0.092598	0.0455	0.207202	6.34E-06	-0.03225	0.4869
0.01015	-0.02389	0.60665	0.031986	0.49047	0.022786	0.62332	0.045073	0.33109
8.65E-21	0.037018	0.42482	0.02449	0.59757	-0.09383	0.04269	0.363326	5.09E-16
0.00011	-0.05302	0.25287	-0.02997	0.51829	0.039189	0.39815	-0.00551	0.90547
0.03897	-0.11635	0.01187	-0.11028	0.01713	-0.09801	0.03423	-0.00438	0.92484
0.03901	0.064984	0.1609	0.022993	0.62016	-0.00762	0.8696	0.161306	0.00047

0.0099	0.041013	0.37654	0.036029	0.4373	0.092121	0.04663	0.025705	0.57951
0.06405	0.184607	5.99E-05	0.135205	0.00342	0.14149	0.00218	0.125206	0.00675
0.00588	0.082439	0.07511	0.027044	0.55991	0.118361	0.01047	0.113758	0.0139
0.39179	-0.12094	0.00889	-0.08868	0.0555	-0.11075	0.01666	0.111203	0.01621
5.07E-19	-0.15879	0.00057	-0.19293	2.70E-05	-0.12889	0.00528	-0.30142	2.90E-11
9.92E-09	0.039032	0.40004	0.011339	0.80692	0.133135	0.00395	-0.02103	0.65039
0.30209	0.129699	0.005	0.187741	4.45E-05	0.251264	3.72E-08	0.070332	0.12909
0.04795	0.024079	0.60375	0.094398	0.04144	0.029715	0.5218	-0.05827	0.20879
0.1174	-0.1854	5.56E-05	-0.11125	0.01617	-0.23346	3.36E-07	-0.05247	0.25777
0.41159	-0.07118	0.1245	-0.09433	0.04159	-0.13846	0.00271	-0.01504	0.74575
1.86E-05	-0.06896	0.13677	-0.173	0.00017	-0.03973	0.39168	-0.07931	0.08689
0.60208	0.194042	2.42E-05	0.161197	0.00047	0.261626	9.53E-09	0.209298	5.08E-06
0.00035	-0.0015	0.97416	-0.00664	0.88612	0.048185	0.29876	-0.04266	0.35762
3.63E-05	0.033721	0.46724	0.025389	0.58418	0.132856	0.00403	0.036508	0.43122
0.46212	0.096454	0.03719	0.056792	0.22058	0.127947	0.00562	0.144502	0.00174
1.35E-12	0.016069	0.72908	0.00935	0.8403	0.133864	0.00375	-0.06664	0.15049
0.82446	0.101359	0.02851	0.023875	0.6068	0.028477	0.5393	0.049853	0.28232
0.72975	0.1119	0.01555	0.035332	0.44623	0.175082	0.00014	0.080864	0.08087
3.26E-06	0.029059	0.53104	-0.08779	0.05799	0.067829	0.14331	-0.10692	0.02083
0.0002	-0.12651	0.00619	-0.03123	0.50079	-0.13888	0.00263	0.05214	0.2608
0.93968	0.049864	0.28222	-0.13475	0.00353	-0.11387	0.01381	0.009137	0.84388
5.41E-09	-0.08684	0.06078	-0.00688	0.88208	-0.17554	0.00014	0.046571	0.31526
0.15897	0.157995	0.00061	0.155414	0.00075	0.310766	6.49E-12	0.105202	0.02299
9.35E-08	-0.05444	0.24029	0.140888	0.00228	0.22635	7.71E-07	-0.05193	0.26271
4.04E-06	0.177608	0.00011	0.235189	2.73E-07	0.156797	0.00067	0.262409	8.58E-09
1.93E-11	0.100215	0.03036	-0.076	0.10092	-0.07896	0.08831	0.222328	1.22E-06
0.00376	0.006381	0.89061	-0.06017	0.19427	0.115391	0.01259	-0.06402	0.1672
6.14E-05	0.077197	0.09566	0.110731	0.01667	0.131406	0.00445	-0.19439	2.34E-05
1.44E-12	-0.32589	5.14E-13	-0.11385	0.01383	-0.11698	0.01141	-0.24099	1.35E-07
1.40E-07	0.046882	0.31204	0.015834	0.7329	0.12368	0.00745	-0.13958	0.0025
0.39369	0.032752	0.48015	0.0564	0.22379	0.073656	0.11192	0.075594	0.10277
1.19E-13	0.170775	0.00021	0.16769	0.00027	0.284814	3.64E-10	-0.05738	0.2158
0.0053	0.271969	2.31E-09	0.22551	8.49E-07	0.28019	7.16E-10	0.161239	0.00047
0.13606	0.142565	0.00201	0.179829	9.32E-05	0.168154	0.00026	0.108903	0.01857
3.42E-09	0.109302	0.01814	0.115949	0.01216	0.047558	0.3051	0.334358	1.16E-13
7.73E-10	0.023914	0.60622	0.092701	0.04526	-0.02244	0.62858	0.258347	1.48E-08
0.86511	0.280513	6.83E-10	0.112643	0.01487	-0.006	0.89712	0.029968	0.51827
0.01952	-0.34208	2.89E-14	-0.25102	3.83E-08	-0.28706	2.61E-10	-0.3382	5.85E-14
0.72137	-0.02538	0.58427	0.028615	0.53733	0.035199	0.44795	0.07113	0.12479
0.8732	-0.16472	0.00035	0.084162	0.0692	0.082639	0.07441	0.071294	0.12393
0.00106	0.071296	0.12391	0.197103	1.79E-05	0.192814	2.73E-05	0.159737	0.00053
1.22E-08	0.179604	9.51E-05	0.314932	3.27E-12	0.239586	1.60E-07	0.353258	3.59E-15
0.19004	0.104989	0.02327	-0.08399	0.06976	-0.03404	0.46305	-0.06353	0.17047
0.01892	-0.23022	4.92E-07	-0.05075	0.27375	-0.15522	0.00076	0.023768	0.60842
2.04E-07	0.138561	0.00269	0.029134	0.52998	0.0881	0.05711	-0.03358	0.4691

0.00027	0.243984	9.33E-08	0.258096	1.53E-08	0.366495	2.72E-16	0.115418	0.01257
0.18237	0.140492	0.00234	0.166842	0.00029	0.234718	2.89E-07	0.225651	8.35E-07
8.58E-13	0.182782	7.10E-05	0.268731	3.62E-09	0.335265	9.90E-14	-0.02687	0.56243
0.00028	-0.08592	0.06356	-0.13075	0.00465	-0.06144	0.185	-0.14374	0.00184
0.8521	0.032519	0.48328	-0.06711	0.14761	-0.00134	0.97701	-0.04801	0.30055
0.58519	0.042851	0.3555	-0.0651	0.16019	-0.00357	0.93871	-0.05653	0.22273
0.75045	-0.00335	0.94237	-0.07692	0.09687	-0.00098	0.98315	-0.0658	0.15568
0.34767	0.014192	0.7597	-0.0397	0.39202	-0.00621	0.89356	-0.02138	0.64492
2.40E-09	-0.0051	0.91243	0.002299	0.96049	0.234655	2.91E-07	-0.08797	0.05747
0.36481	0.026787	0.56365	0.125856	0.00646	0.104634	0.02374	0.092037	0.04683
0.92001	-0.09323	0.04405	-0.12527	0.00672	-0.22271	1.17E-06	0.033666	0.46797
0.87839	-0.22156	1.33E-06	-0.1319	0.0043	-0.18669	4.92E-05	-0.05122	0.2693
0.93722	-0.13856	0.00269	-0.08622	0.06264	-0.14426	0.00178	-0.00425	0.92697
6.66E-06	-0.01423	0.759	0.081757	0.07756	0.065778	0.15584	-0.06767	0.14424
3.79E-10	-0.10807	0.01949	-0.04567	0.32477	-0.00512	0.91221	-0.08897	0.05469
0.00118	0.02048	0.65889	0.128199	0.00553	0.195918	2.01E-05	0.019144	0.67988
0.99455	0.165585	0.00033	0.220865	1.44E-06	0.259309	1.30E-08	0.148331	0.00131
2.55E-08	-0.12617	0.00633	-0.07704	0.09635	-0.18924	3.86E-05	0.015981	0.73051
0.38818	0.048326	0.29735	0.07585	0.10161	0.070057	0.1306	0.173705	0.00016
4.44E-10	-0.12237	0.00812	0.002456	0.95779	0.060762	0.18993	-0.15614	0.00071
0.07664	0.1023	0.02706	0.103351	0.02552	0.195765	2.04E-05	0.029103	0.53041
2.37E-06	0.076905	0.09693	-0.08887	0.05498	-0.14613	0.00154	-0.14823	0.00132
2.01E-05	-0.26689	4.66E-09	-0.02607	0.57407	-0.1624	0.00043	-0.16494	0.00034
0.62936	-0.2165	2.33E-06	-0.0919	0.04717	-0.22924	5.51E-07	-0.08409	0.06944
0.00383	0.056239	0.22511	0.058808	0.2046	0.144011	0.00181	0.038257	0.40947
0.06512	-0.03706	0.42426	-0.03257	0.48263	0.042808	0.356	-0.01615	0.72772
0.0088	-0.02178	0.6387	-0.05464	0.23864	0.084737	0.06731	-0.03679	0.42764
4.65E-11	-0.04346	0.34868	-0.05675	0.22094	0.030978	0.50426	-0.02828	0.54218
0.05792	0.046522	0.31577	0.092986	0.0446	0.153905	0.00085	0.002834	0.9513
0.02882	0.013114	0.77745	0.023143	0.61788	0.033523	0.46987	-0.11516	0.01276
0.75334	-0.10839	0.01913	0.003284	0.94357	-0.02405	0.60415	-0.10749	0.02016
0.01139	-0.07206	0.11994	-0.03582	0.43997	-0.12826	0.00551	-0.00892	0.84762
0.54944	-0.03849	0.40656	-0.01638	0.72401	-0.01101	0.81237	-0.06933	0.13464
0.04757	-0.00734	0.87433	0.020924	0.65198	-0.0543	0.24153	0.017147	0.71169
0.6048	0.067769	0.14367	0.080888	0.08078	0.052586	0.25674	0.028241	0.54267
0.17826	0.088406	0.05625	0.085379	0.06526	0.066069	0.15401	0.094049	0.04221
0.1056	0.071693	0.12183	0.063234	0.1725	0.09447	0.04129	-0.00053	0.99085
3.18E-08	-0.0411	0.37547	0.082662	0.07432	0.146898	0.00146	-0.07753	0.09426
8.58E-09	-0.12221	0.0082	-0.11197	0.01548	0.04656	0.31537	-0.16817	0.00026
5.54E-06	-0.03211	0.48875	-0.02117	0.64821	0.119851	0.00953	-0.08161	0.07811
5.79E-08	-0.00867	0.85169	-0.04111	0.37544	0.095688	0.03873	-0.1147	0.01313
0.05465	-0.09422	0.04184	-0.05339	0.24951	-0.03296	0.47738	-0.06611	0.15377
0.29973	0.214666	2.85E-06	0.021957	0.63602	0.035632	0.44237	0.027142	0.5585
0.00502	0.233011	3.54E-07	0.105745	0.02229	0.167379	0.00028	0.068038	0.14209
8.16E-10	0.186759	4.89E-05	0.101568	0.02818	0.075103	0.10503	0.279515	7.89E-10

3.85E-06	0.109504	0.01792	0.100187	0.03041	0.067633	0.14448	0.049179	0.28889
1.19E-15	-0.16844	0.00026	-0.15251	0.00095	-0.07202	0.12012	-0.19989	1.35E-05
0.01178	0.176401	0.00013	0.107793	0.01981	0.120036	0.00942	0.010322	0.82395
0.37476	-0.09097	0.04946	-0.02445	0.59818	-0.02624	0.57169	-0.0527	0.25569
0.87429	0.004631	0.92049	0.024852	0.59216	0.061409	0.18525	0.009498	0.8378
1.82E-09	-0.07095	0.12576	-0.06075	0.19001	-0.15079	0.00108	0.019516	0.674
0.02034	-0.03746	0.41934	-0.07684	0.0972	-0.0875	0.05884	-0.02555	0.58186
0.94215	0.052202	0.26023	0.051887	0.26313	0.053851	0.24546	0.099523	0.03153
0.00394	-0.03408	0.46257	0.023134	0.61803	0.056157	0.22579	-0.05504	0.23519
0.11987	-0.1103	0.0171	0.013592	0.76955	0.048655	0.29406	-0.09993	0.03084
0.01928	-0.00715	0.8775	0.048986	0.29079	0.01187	0.79808	0.042036	0.36474
0.07656	-0.03	0.51786	-0.0147	0.75144	0.010993	0.81271	0.01394	0.76384
0.78196	0.027265	0.55671	0.039132	0.39883	0.053297	0.25035	0.085061	0.06627
0.53486	-0.09127	0.0487	-0.00988	0.83137	-0.05598	0.22725	0.031167	0.50166
0.88339	0.073034	0.11499	0.03179	0.49314	0.085506	0.06486	0.028421	0.54011
0.12582	-0.10498	0.02328	-0.02526	0.58606	-0.0655	0.15759	-0.09366	0.04307
1.42E-05	-0.18711	4.73E-05	-0.14723	0.00142	-0.13071	0.00467	-0.11082	0.01658
0.00507	-0.13428	0.00365	-0.14632	0.00152	-0.18192	7.69E-05	-0.14558	0.00161
0.01897	-0.02251	0.62751	-0.06651	0.15131	0.048871	0.29192	-0.08832	0.05649
2.86E-08	-0.00219	0.96231	-0.015	0.74647	0.13805	0.00279	-0.09047	0.05072
0.59168	-0.00174	0.97006	0.034076	0.46257	0.012736	0.7837	0.010282	0.82463
0.84404	0.040451	0.38311	0.025262	0.58606	0.088609	0.05568	-0.01499	0.74658
0.29378	0.137118	0.00299	0.06742	0.14575	0.080477	0.08234	0.096628	0.03685
0.0182	-0.02416	0.60251	0.08357	0.07119	0.103271	0.02564	-0.03099	0.50404
0.04796	0.23438	3.01E-07	0.03441	0.45819	-0.00529	0.90919	0.094967	0.04023
2.00E-08	0.063455	0.171	-0.08304	0.07301	-0.00432	0.92588	-0.05387	0.24526
6.65E-06	-0.04617	0.31942	-0.1128	0.01473	0.022106	0.63372	-0.09874	0.0329
0.0135	0.254291	2.51E-08	0.071672	0.12194	0.081047	0.08018	0.035899	0.43896
4.12E-12	-0.00197	0.96609	-0.05879	0.20471	0.06303	0.17389	-0.26803	3.99E-09
0.37458	0.156915	0.00067	0.107279	0.02041	0.183265	6.79E-05	0.194866	2.23E-05
0.39157	0.0735	0.11269	0.085755	0.06408	0.069001	0.13651	0.047568	0.30499
0.71711	0.067431	0.14569	0.100207	0.03038	0.115868	0.01222	0.047057	0.31022
0.0023	-0.14468	0.00172	0.014978	0.74682	-0.17471	0.00015	-0.0353	0.44667
0.07709	0.125391	0.00666	0.149294	0.00121	0.118696	0.01025	0.045844	0.32288
0.69824	0.146801	0.00147	0.131507	0.00442	0.179359	9.73E-05	0.167562	0.00028
1.90E-08	0.007972	0.86358	0.012986	0.77956	0.045435	0.32721	0.010381	0.82295
1.80E-05	-0.01764	0.70385	-0.0327	0.48079	0.039915	0.38946	0.05724	0.21696
3.22E-08	-0.24341	1.00E-07	-0.03017	0.5155	-0.04175	0.36805	-0.06792	0.1428
7.58E-06	-0.03413	0.46186	-0.03631	0.43369	0.060402	0.19258	-0.1634	0.00039
0.80969	-0.32977	2.61E-13	-0.08942	0.05347	-0.21463	2.86E-06	-0.039	0.40045
0.62576	0.246019	7.23E-08	0.272648	2.10E-09	0.270935	2.67E-09	0.218985	1.77E-06
0.36436	0.013336	0.77377	0.096617	0.03687	0.102671	0.02651	-0.06441	0.16464
0.01709	-0.11414	0.01358	-0.2753	1.44E-09	-0.13267	0.00408	-0.03399	0.46366
0.14187	-0.04614	0.31975	-0.03716	0.42299	-0.03114	0.50206	0.030933	0.50488
0.10297	-0.06441	0.16462	-0.11796	0.01073	-0.13576	0.00329	-0.03524	0.44737

0.48686	0.009221	0.84247	-0.00522	0.91042	0.01645	0.72292	0.041086	0.37568
0.6772	-0.00835	0.85723	-0.00018	0.99687	-0.0171	0.71242	-0.02194	0.63632
0.23945	0.018275	0.69365	0.051146	0.27001	0.008846	0.84879	0.128944	0.00526
0.9942	-0.04531	0.32855	-0.05621	0.22539	-0.06674	0.14986	0.013846	0.76538
0.42927	0.052399	0.25844	0.03109	0.50272	0.075329	0.10399	0.03178	0.49328
0.84282	0.031596	0.49578	0.014615	0.75276	0.027973	0.5465	0.04437	0.3387
0.59483	0.022526	0.62729	-0.0224	0.62925	0.105225	0.02296	0.031895	0.49171
0.00327	0.155596	0.00074	0.182946	6.99E-05	0.284225	3.97E-10	0.054573	0.23917
8.41E-06	0.138119	0.00278	0.168057	0.00026	0.131608	0.00439	0.166978	0.00029
0.03059	0.009069	0.84503	-0.02601	0.57505	0.084527	0.068	-0.09628	0.03753
0.00033	0.035672	0.44186	-0.06908	0.13605	-0.00984	0.83205	-0.21355	3.22E-06
0.85529	-0.04375	0.34547	-0.02986	0.51975	-0.03798	0.41285	-0.00728	0.87532
0.25131	0.018045	0.69731	-0.02079	0.65414	-0.0124	0.78926	0.002374	0.95919
0.0956	0.118733	0.01023	0.033747	0.4669	0.056449	0.22338	0.117055	0.01136
0.00096	0.085058	0.06628	0.019789	0.66971	0.171118	0.0002	-0.04644	0.31658
0.2242	0.081582	0.0782	0.005314	0.90882	0.124502	0.00706	0.027434	0.55426
0.00245	-0.20882	5.35E-06	-0.20623	7.02E-06	-0.29387	9.35E-11	-0.1013	0.02861
0.47498	-0.17104	0.0002	-0.08403	0.06963	-0.19614	1.96E-05	-0.03969	0.39215
0.00032	0.014172	0.76002	0.063084	0.17352	0.116497	0.01176	0.071631	0.12215
0.01841	0.41202	1.46E-20	0.161198	0.00047	0.197702	1.68E-05	0.132571	0.00411
0.03008	0.086007	0.0633	0.089546	0.05314	0.239079	1.71E-07	0.075216	0.10451
0.00557	-0.07743	0.09464	-0.1108	0.0166	-0.06553	0.1574	-0.0348	0.45313
0.22745	-0.09541	0.0393	-0.10993	0.01748	-0.07597	0.10107	0.110765	0.01664
4.12E-06	0.288457	2.12E-10	0.120036	0.00942	0.110021	0.01739	0.201441	1.15E-05
7.81E-07	0.357068	1.73E-15	0.253254	2.87E-08	0.243568	9.83E-08	0.058083	0.21025
0.86854	-0.13981	0.00246	-0.02102	0.65047	-0.12266	0.00796	-0.06968	0.1327
0.22153	-0.05762	0.21393	-0.06294	0.17453	-0.07512	0.10494	0.035459	0.44459
0.02244	-0.03249	0.4837	-0.08869	0.05546	0.092736	0.04518	-0.05248	0.25772
2.13E-07	-0.12008	0.00939	-0.1374	0.00293	-0.15613	0.00071	-0.10673	0.02107
0.58663	0.025878	0.57696	-0.04038	0.3839	0.138107	0.00278	-0.03095	0.50467
0.00115	-0.07756	0.09411	-0.01678	0.71761	-0.02034	0.66111	-0.11574	0.01232
4.94E-11	-0.12161	0.00852	-0.13088	0.00461	-0.05871	0.20535	-0.17874	0.0001
0.41187	-0.05294	0.25352	-0.09644	0.03722	-0.09416	0.04196	-0.01004	0.82861
0.44176	-0.06006	0.19509	-0.13695	0.00302	-0.10703	0.0207	-0.08104	0.08022
0.49489	0.082092	0.07635	0.027929	0.54714	0.149717	0.00117	0.04296	0.35428
1.84E-06	0.299643	3.83E-11	0.305303	1.57E-11	0.230655	4.67E-07	0.271431	2.49E-09
0.00077	-0.04519	0.32985	0.015071	0.74531	0.04638	0.31725	-0.02855	0.5383
0.14639	-0.04843	0.29629	-0.03926	0.39733	-0.03584	0.43968	-0.06018	0.19425
0.56097	0.198618	1.53E-05	-0.00034	0.9942	0.193433	2.57E-05	0.064564	0.16363
0.86654	0.087142	0.05988	0.048583	0.29478	0.074372	0.10847	0.050119	0.27976
1.60E-07	0.043057	0.35319	0.003695	0.93652	0.219934	1.59E-06	0.008241	0.85902
0.04259	-0.00313	0.94622	0.050789	0.27338	0.050678	0.27443	-0.00991	0.83085
0.17577	0.034574	0.45604	0.059976	0.19574	0.110771	0.01663	0.02218	0.63259
0.00988	-0.0944	0.04143	-0.06365	0.16966	-0.05483	0.23698	-0.08154	0.07837
0.5718	0.096292	0.03751	0.069956	0.13116	0.087474	0.05891	0.089082	0.05439

0.95364	0.050275	0.27827	0.091882	0.0472	0.080702	0.08148	0.181718	7.84E-05
0.18972	-0.06393	0.16784	-0.19737	1.74E-05	-0.11753	0.01103	0.024948	0.59074
0.01216	0.02272	0.62433	0.051237	0.26916	0.238228	1.89E-07	-0.01794	0.69898
9.31E-05	0.299972	3.64E-11	0.046495	0.31605	0.078704	0.08934	-0.06056	0.19145
0.02662	0.057592	0.21414	0.092941	0.0447	0.007984	0.86338	0.074685	0.10699
0.57953	0.12199	0.00831	-0.02124	0.64705	-0.00913	0.84393	-0.04783	0.30229
0.11335	0.033899	0.4649	-0.04859	0.29468	-0.07605	0.10073	-0.10183	0.02778
0.01792	0.024218	0.60166	0.01958	0.673	0.143115	0.00193	0.064863	0.16169
8.74E-08	0.244649	8.59E-08	0.119616	0.00967	0.329066	2.96E-13	-0.09199	0.04693
0.32726	0.052048	0.26164	-0.07291	0.11563	-0.06289	0.17483	0.00899	0.84636
3.34E-08	-0.05483	0.23696	0.069449	0.13398	0.10154	0.02823	-0.04375	0.34547
7.42E-08	-0.17978	9.37E-05	-0.11707	0.01135	-0.11684	0.01151	-0.14404	0.0018
0.00085	0.067463	0.14549	0.050429	0.27679	-0.01429	0.75812	0.19026	3.50E-05
0.03001	-0.06506	0.16043	-0.13063	0.00469	0.087788	0.058	-0.0888	0.05516
1.56E-05	-0.06294	0.17451	0.147729	0.00137	0.152638	0.00094	-0.09039	0.05093
0.82721	0.060765	0.18992	0.060537	0.19159	0.078316	0.09094	0.055636	0.23013
0.93953	-0.11493	0.01294	-0.12344	0.00757	-0.06651	0.15127	-0.03609	0.43658
2.20E-07	-0.13815	0.00277	-0.1595	0.00054	-0.25858	1.43E-08	-0.0369	0.42628
2.30E-05	0.124852	0.0069	0.11261	0.0149	0.240234	1.48E-07	0.055412	0.23202
0.95366	-0.06469	0.16279	-0.07849	0.0902	-0.04887	0.29189	0.007009	0.87992
0.00089	0.061681	0.18331	0.050394	0.27713	0.011064	0.81153	0.196872	1.83E-05
0.63788	0.131862	0.00431	0.211675	3.94E-06	0.259584	1.25E-08	0.073811	0.11117
2.57E-05	0.176343	0.00013	0.103508	0.0253	0.066023	0.1543	-0.02849	0.53905
6.90E-09	-0.42167	1.48E-21	-0.32713	4.14E-13	-0.27603	1.30E-09	-0.20161	1.13E-05
0.09433	0.156969	0.00066	-0.04607	0.32053	-0.09925	0.032	-0.00023	0.99603
4.85E-07	-0.01582	0.73312	-0.09188	0.04721	-0.00832	0.85763	-0.00247	0.95758
0.0652	0.0752	0.10458	0.038142	0.41088	-0.0445	0.3373	0.043224	0.35133
0.00323	0.135626	0.00332	0.144584	0.00173	0.25361	2.74E-08	0.103884	0.02477
0.90241	0.02687	0.56245	0.099267	0.03197	0.049953	0.28136	-0.00364	0.93755
0.11336	0.191194	3.20E-05	0.128242	0.00551	0.200951	1.21E-05	0.039204	0.39797
0.84999	-0.06449	0.1641	-0.10922	0.01823	-0.15921	0.00055	-0.14175	0.00214
0.00021	-0.0672	0.1471	-0.03038	0.51255	0.045496	0.32657	-0.04927	0.288
0.02601	-0.05151	0.2666	0.095697	0.03871	0.020081	0.66513	0.087375	0.05919
1.09E-06	0.063444	0.17108	0.111562	0.01587	0.145719	0.00159	0.20577	7.36E-06
1.59E-12	-0.14135	0.0022	-0.13192	0.00429	-0.01226	0.79166	-0.21548	2.61E-06
4.55E-09	0.09206	0.04678	0.187898	4.39E-05	0.246793	6.56E-08	0.029358	0.52682
0.0325	-0.13029	0.0048	-0.18759	4.52E-05	-0.13616	0.0032	-0.22895	5.70E-07
1.42E-19	-0.00175	0.9699	0.044706	0.33505	0.130956	0.00459	-0.12653	0.00618
0.0319	0.172619	0.00018	0.289025	1.95E-10	0.268088	3.96E-09	0.215804	2.52E-06
0.79929	0.269773	3.13E-09	0.136951	0.00302	0.151446	0.00103	0.196175	1.96E-05
0.01472	0.174456	0.00015	0.158293	0.0006	0.171975	0.00019	0.126493	0.0062
0.77873	0.033008	0.47672	-0.02432	0.60012	0.05385	0.24546	0.121677	0.00848
0.09321	-0.13612	0.0032	-0.08977	0.05255	-0.13944	0.00253	-0.02744	0.55415
9.10E-11	0.191453	3.12E-05	0.150403	0.00111	0.163504	0.00039	0.195348	2.13E-05
0.28146	0.073057	0.11487	0.048798	0.29264	0.145387	0.00163	0.003498	0.9399

8.56E-05	0.201863	1.10E-05	0.22429	9.76E-07	0.162887	0.00041	0.308681	9.10E-12
8.38E-06	0.017808	0.7011	-0.07656	0.09845	-0.04174	0.36816	-0.1597	0.00053
2.14E-20	0.023285	0.61573	0.057432	0.21542	0.271318	2.53E-09	-0.12804	0.00559
0.00064	-0.07769	0.09357	-0.03144	0.49788	0.06673	0.14993	-0.06146	0.18486
0.05701	0.119088	0.01	0.022703	0.62459	0.031686	0.49456	0.039811	0.3907
0.17982	-0.01724	0.71019	0.104871	0.02342	0.164554	0.00036	0.116933	0.01144
0.01357	-0.35116	5.34E-15	-0.12365	0.00747	-0.19506	2.19E-05	-0.11145	0.01597
1.55E-05	0.175296	0.00014	0.135245	0.00341	0.172743	0.00018	0.110799	0.0166
0.35034	-0.0691	0.13593	0.029962	0.51835	-0.00449	0.92297	0.012361	0.78992
0.00189	0.072937	0.11547	0.040704	0.38015	0.083659	0.07089	0.100235	0.03033
4.85E-09	0.139849	0.00245	0.039026	0.40011	0.031693	0.49446	0.211649	3.95E-06
0.14882	0.446188	3.15E-24	0.21945	1.68E-06	0.248226	5.48E-08	0.138545	0.0027
7.35E-05	0.008472	0.85512	0.051289	0.26867	0.141516	0.00217	-0.0638	0.16865
2.97E-05	0.027182	0.55791	0.126045	0.00638	0.023854	0.60712	0.021577	0.64187
0.00039	0.189634	3.72E-05	0.138599	0.00269	0.124365	0.00713	0.136918	0.00303
0.49316	0.130199	0.00483	0.12893	0.00526	0.152435	0.00095	0.010116	0.8274
0.18878	0.039889	0.38977	0.038319	0.40871	0.03574	0.44098	0.11784	0.01082
0.13104	0.122571	0.00801	0.086019	0.06326	0.056921	0.21953	0.197264	1.76E-05
0.61845	-0.10584	0.02217	-0.03221	0.48748	-0.01961	0.67256	-0.02458	0.59618
0.30901	-0.22462	9.40E-07	-0.14237	0.00204	-0.21335	3.29E-06	-0.12461	0.00702
4.07E-06	0.367349	2.29E-16	0.215406	2.63E-06	0.133622	0.00382	0.203002	9.81E-06
0.38854	0.226942	7.20E-07	0.123674	0.00746	0.200163	1.31E-05	0.170655	0.00021
0.4391	0.093055	0.04444	0.156187	0.00071	0.181672	7.87E-05	0.059263	0.20112
0.07713	0.213	3.42E-06	0.26344	7.46E-09	0.399993	2.27E-19	0.210859	4.30E-06
2.84E-09	0.005726	0.90178	0.036594	0.43014	0.154162	0.00083	0.085872	0.06371
6.64E-07	-0.09928	0.03196	-0.11566	0.01238	0.057301	0.21646	-0.0327	0.4809
0.00389	0.053403	0.24941	0.104191	0.02434	0.053636	0.24735	-0.00111	0.98099
0.75154	0.112793	0.01474	0.025913	0.57645	0.107229	0.02046	0.090951	0.0495
0.5282	-0.00389	0.93311	0.027326	0.55583	-0.02157	0.64194	0.231661	4.15E-07
0.05772	0.233223	3.45E-07	0.018337	0.69267	0.055304	0.23293	0.019232	0.67848
1.15E-10	-0.14106	0.00225	0.071465	0.12302	0.08149	0.07854	-0.04903	0.29032
0.15856	-0.08099	0.08039	-0.24662	6.70E-08	-0.25954	1.26E-08	-0.0231	0.61857
0.0502	0.00854	0.85396	-0.0126	0.78588	0.006675	0.88562	-0.08035	0.08282
0.32302	-0.04372	0.34584	0.01457	0.75349	-0.06133	0.18582	0.047118	0.3096
2.15E-09	0.051897	0.26303	0.051641	0.2654	0.031744	0.49377	0.107718	0.01989
0.02956	0.165117	0.00034	0.172392	0.00018	0.128348	0.00547	0.170519	0.00021
5.11E-20	0.309798	7.59E-12	0.200498	1.27E-05	0.212721	3.52E-06	0.324974	6.01E-13
4.92E-06	-0.03506	0.44972	0.027647	0.5512	0.137209	0.00297	-0.13126	0.00449
1.56E-10	-0.08767	0.05833	-0.05309	0.25223	-0.0102	0.82594	-0.07767	0.09365
0.00032	0.002571	0.95581	-0.09775	0.03471	-0.0413	0.37326	0.000213	0.99635
0.00517	0.213006	3.41E-06	0.010269	0.82484	0.059655	0.19815	-0.10282	0.02628
1.84E-05	-0.04375	0.34548	-0.07817	0.09155	-0.0155	0.73834	-0.04772	0.30341
4.18E-10	-0.1149	0.01297	-0.02281	0.62299	0.083214	0.0724	-0.19514	2.17E-05
0.17265	-0.24602	7.23E-08	-0.14356	0.00187	-0.17273	0.00018	-0.12675	0.00609
5.41E-05	0.024745	0.59377	0.046837	0.3125	0.174785	0.00015	-0.09539	0.03934

0.00048	0.035785	0.44042	0.020137	0.66426	0.127284	0.00588	0.024825	0.59257
1.08E-16	0.296329	6.41E-11	0.171876	0.00019	0.199869	1.35E-05	0.228614	5.93E-07
0.03591	-0.03368	0.46775	-0.0537	0.24681	0.000837	0.9856	-0.00565	0.90307
3.26E-05	0.071718	0.1217	0.027515	0.5531	0.012256	0.79166	-0.05249	0.25763
0.031	-0.04592	0.32204	-0.03782	0.41484	-0.03869	0.40421	0.094328	0.0416
0.396	0.05879	0.20474	0.042377	0.36086	0.022022	0.63502	0.011483	0.80453
0.94748	0.219629	1.65E-06	0.070926	0.12588	0.232705	3.67E-07	0.120797	0.00897
0.0109	0.06384	0.16842	-0.01577	0.73397	0.006892	0.88191	-0.14906	0.00123
0.00409	-0.08789	0.0577	0.121456	0.0086	-0.0049	0.91592	0.094069	0.04216
0.33863	0.038371	0.40807	0.038763	0.4033	0.033219	0.4739	0.064828	0.16191
4.07E-10	-0.08108	0.08006	-0.06947	0.13388	0.062496	0.17758	-0.03367	0.46794
2.69E-08	-0.00315	0.94579	-0.13101	0.00457	-0.09312	0.04429	0.11162	0.01581
2.80E-05	0.058063	0.21041	0.109896	0.01752	0.219581	1.66E-06	-0.10349	0.02532
0.56982	0.082395	0.07527	0.013234	0.77546	0.113416	0.0142	0.068738	0.13802
0.06811	0.133934	0.00374	0.068152	0.14141	0.156083	0.00071	0.041088	0.37566
0.00098	0.122527	0.00803	0.066451	0.15164	0.148345	0.0013	0.016824	0.71689
0.40527	0.025864	0.57717	-0.00904	0.8456	0.020187	0.66348	-0.01655	0.7213
0.57254	0.017352	0.7084	0.029495	0.5249	0.033319	0.47257	7.40E-05	0.99873
0.00114	0.109262	0.01818	0.037055	0.42435	0.145792	0.00158	0.032709	0.48072
0.48069	0.028949	0.53259	0.037495	0.41887	0.043665	0.34644	0.014954	0.74721
0.72388	0.080454	0.08243	-0.01255	0.78685	0.050434	0.27675	0.068852	0.13736
0.21756	0.106454	0.0214	0.081708	0.07774	0.12693	0.00602	0.063915	0.16792
0.24406	-0.02137	0.64513	-0.023	0.62003	-0.01755	0.70517	0.010188	0.8262
0.45993	0.137561	0.00289	0.144092	0.0018	0.208254	5.67E-06	0.092903	0.04479
0.9788	0.033756	0.46679	0.051162	0.26986	0.063498	0.17072	0.067188	0.14714
0.02549	0.22891	5.73E-07	0.223788	1.03E-06	0.220975	1.42E-06	0.230213	4.92E-07
0.26897	0.08612	0.06295	0.018665	0.68745	0.10944	0.01799	0.028462	0.53951
0.05506	-0.01537	0.74041	0.029697	0.52206	0.06138	0.18546	0.018114	0.69623
0.69408	-0.02332	0.61516	-0.04237	0.36096	-0.05956	0.19884	0.030369	0.51267
0.92995	0.053469	0.24883	0.017537	0.70544	0.065261	0.15912	0.048976	0.29089
0.21742	0.040927	0.37754	0.062944	0.17448	0.076979	0.0966	0.069487	0.13377
0.01288	-0.00832	0.85772	0.008341	0.85733	0.053837	0.24558	0.014566	0.75356
0.52963	0.147338	0.00141	0.092577	0.04555	0.129884	0.00494	0.117521	0.01103
0.52872	0.0262	0.57224	0.208416	5.58E-06	0.195412	2.11E-05	0.149143	0.00123
0.03599	0.127399	0.00583	0.26195	9.12E-09	0.306789	1.23E-11	0.072234	0.11903
0.00017	0.043837	0.34454	0.100112	0.03054	0.15385	0.00085	0.028403	0.54036
0.00064	0.163731	0.00038	0.143499	0.00188	0.19439	2.34E-05	0.082657	0.07434
0.12733	-0.14636	0.00152	-0.07553	0.10305	-0.17267	0.00018	-0.05137	0.26793
0.89924	0.141554	0.00217	-0.01995	0.66717	-0.07747	0.0945	-0.04332	0.35027
2.50E-15	-0.00955	0.8369	0.153113	0.0009	0.192269	2.88E-05	-0.17481	0.00015
0.90169	-0.12295	0.00781	-0.01273	0.78377	-0.1054	0.02273	0.143946	0.00182
4.35E-08	-0.18666	4.94E-05	0.02648	0.56814	-0.16932	0.00024	0.156219	0.0007
0.0012	0.304466	1.79E-11	0.191904	2.98E-05	0.156479	0.00069	0.053628	0.24742
1.58E-09	-0.22741	6.82E-07	-0.07094	0.12581	-0.06264	0.17655	-0.28139	6.01E-10
0.89279	-0.07084	0.12632	-0.03116	0.50181	-0.02768	0.55078	0.015309	0.74143



1.76E-10	0.133312	0.0039	0.232774	3.64E-07	0.19442	2.33E-05	0.188797	4.03E-05
0.00554	0.166705	0.0003	0.02189	0.63704	0.038427	0.40739	0.107739	0.01987
0.43788	0.083893	0.0701	0.061541	0.18431	0.183165	6.85E-05	0.214258	2.98E-06
0.0879	0.100959	0.02915	0.09985	0.03098	0.007487	0.87181	-0.01929	0.6776
3.36E-05	0.038215	0.40999	0.080339	0.08287	0.215092	2.72E-06	0.006272	0.89247
0.88734	-0.00588	0.89919	0.073121	0.11456	0.120734	0.00901	-0.02449	0.59759
4.47E-05	0.135171	0.00343	0.057977	0.21108	0.297762	5.13E-11	0.028574	0.53792
0.00012	-0.2626	8.36E-09	-0.2832	4.61E-10	-0.32724	4.06E-13	-0.19597	2.00E-05
5.19E-06	0.304207	1.87E-11	0.05961	0.19848	0.145377	0.00163	0.185196	5.67E-05
0.00593	0.102022	0.02748	0.215235	2.68E-06	0.271486	2.47E-09	0.19045	3.43E-05
0.00629	-0.13505	0.00345	-0.06898	0.13664	-0.04093	0.37745	-0.08846	0.05611
0.00148	0.248513	5.28E-08	0.050689	0.27432	0.067598	0.14469	-0.06182	0.18236
0.20308	-0.18409	6.28E-05	-0.10392	0.02472	-0.13706	0.003	0.311846	5.44E-12
0.03243	0.057608	0.21401	0.138651	0.00268	0.223228	1.10E-06	0.058466	0.20725
1.14E-20	0.272864	2.04E-09	0.235403	2.66E-07	0.121808	0.00841	0.378155	2.53E-17
1.89E-05	0.081707	0.07775	0.096905	0.03631	0.203408	9.41E-06	-0.03118	0.5015
1.94E-05	-0.03748	0.41909	0.037412	0.4199	-0.00503	0.91372	0.162083	0.00044
0.27307	0.096086	0.03792	0.146855	0.00146	0.102146	0.0273	0.077894	0.09269
0.72796	-0.04136	0.37246	-0.07155	0.1226	0.012651	0.7851	0.068827	0.13751
0.69928	0.038166	0.41058	-0.02062	0.65673	-0.04895	0.29118	-0.01709	0.71259
0.15711	0.039581	0.39344	0.044154	0.34105	0.151066	0.00106	0.012629	0.78548
1.02E-12	-0.04305	0.35325	0.01882	0.685	0.148578	0.00128	-0.09907	0.03232
0.08633	0.167433	0.00028	0.192195	2.90E-05	0.289534	1.80E-10	0.151082	0.00106
5.67E-05	0.226098	7.93E-07	0.120236	0.0093	-0.00066	0.98867	0.251094	3.80E-08
0.4289	0.046765	0.31324	0.081256	0.0794	0.088293	0.05657	-0.02704	0.56002
0.14301	0.092059	0.04678	0.110815	0.01659	0.195313	2.13E-05	0.127241	0.0059
0.03229	0.070623	0.12751	-0.11251	0.01499	0.009832	0.83218	0.024511	0.59725
0.0192	0.301879	2.70E-11	0.272033	2.29E-09	0.441414	1.09E-23	0.074328	0.10868
7.29E-12	0.204635	8.29E-06	0.167625	0.00027	0.21212	3.76E-06	0.294672	8.27E-11
1.51E-10	-0.11771	0.01091	-0.08702	0.06024	-0.04244	0.36013	-0.09934	0.03184
0.09067	-0.0275	0.55335	0.087792	0.05799	0.005315	0.90881	-0.07546	0.10339
0.01979	0.152085	0.00098	0.102043	0.02745	0.169632	0.00023	0.160344	0.0005
0.02184	0.156994	0.00066	0.045964	0.32161	0.101604	0.02813	-0.04857	0.29486
0.27138	-0.04305	0.35328	0.011412	0.80572	-0.08082	0.08103	-0.16271	0.00042
0.18538	0.013761	0.76677	0.136604	0.0031	0.140621	0.00232	-0.07849	0.09021
0.53634	0.145037	0.00168	0.211707	3.93E-06	0.184105	6.28E-05	0.214711	2.84E-06
0.02591	-0.12077	0.00899	-0.0721	0.11973	-0.16593	0.00032	-0.11238	0.01511
0.00015	-0.05466	0.23841	0.132148	0.00423	0.297789	5.11E-11	-0.16704	0.00029
4.92E-06	0.082101	0.07632	0.107852	0.01974	0.047502	0.30567	0.104931	0.02334
0.00015	0.176683	0.00012	-0.02161	0.64141	0.06741	0.14581	-0.17813	0.00011
0.15973	0.24082	1.38E-07	0.157585	0.00063	0.183052	6.92E-05	0.025345	0.58484
0.35297	0.113105	0.01446	0.155547	0.00074	0.175828	0.00013	0.18376	6.48E-05
0.03863	0.043684	0.34622	-0.02623	0.57182	0.019206	0.6789	0.157557	0.00063
3.94E-08	0.010766	0.81651	0.065852	0.15537	0.110314	0.01709	0.059446	0.19973
1.45E-06	-0.13214	0.00423	0.176692	0.00012	0.150208	0.00113	-0.04618	0.3193

0.89499	0.241008	1.35E-07	0.216303	2.38E-06	0.324708	6.29E-13	0.142363	0.00204
7.71E-16	-0.16353	0.00039	-0.02601	0.57499	-0.00781	0.86638	-0.10849	0.01902
0.05453	-0.08909	0.05436	-0.1395	0.00252	-0.11361	0.01403	0.018882	0.68402
0.36666	-0.03764	0.41702	-0.04375	0.34546	-0.08244	0.07512	0.039712	0.39187
7.92E-06	0.123531	0.00753	-0.01567	0.73551	0.025115	0.58826	0.131978	0.00428
4.05E-05	-0.22639	7.67E-07	-0.24016	1.49E-07	-0.21639	2.36E-06	-0.1938	2.48E-05
3.52E-21	-0.21245	3.63E-06	-0.08217	0.07608	0.058958	0.20345	-0.27481	1.55E-09
0.1478	0.11317	0.01441	0.229655	5.25E-07	0.209462	4.99E-06	0.050302	0.27801
3.01E-10	0.180937	8.42E-05	0.141146	0.00223	0.15101	0.00106	-0.21997	1.59E-06
0.00013	-0.08205	0.07652	-0.18951	3.76E-05	-0.08405	0.06956	-0.16075	0.00049
8.39E-08	0.022287	0.63095	0.119717	0.00961	0.079491	0.08618	-0.06052	0.1917
0.00362	-0.19129	3.17E-05	-0.02835	0.54115	-0.04102	0.37648	-0.07648	0.09878
1.54E-14	-0.16625	0.00031	-0.15092	0.00107	0.004312	0.92596	-0.13632	0.00316
0.311	-0.06759	0.14475	-0.03683	0.42719	-0.08254	0.07474	-0.00927	0.84168
0.24039	-0.0576	0.21406	-0.15497	0.00078	-0.14384	0.00183	-0.01835	0.69252
1.06E-06	0.014707	0.75125	0.027558	0.55247	-0.02061	0.65682	0.205784	7.35E-06
0.00101	0.030156	0.51565	-0.02115	0.64844	0.049002	0.29063	-0.00917	0.84329
4.21E-05	-0.10628	0.02162	-0.13296	0.004	-0.14097	0.00226	-0.22598	8.04E-07
5.25E-05	-0.35515	2.50E-15	-0.1074	0.02027	-0.16626	0.00031	-0.26838	3.80E-09
0.03375	-0.005	0.9142	0.055498	0.2313	0.082072	0.07642	-0.07649	0.09874
0.01698	0.000476	0.99181	0.053193	0.25128	0.090945	0.04951	0.075971	0.10106
3.41E-11	0.037762	0.41556	0.010128	0.8272	-0.045	0.33187	0.213822	3.13E-06
0.00204	-0.02505	0.58915	-0.03794	0.41338	-0.08336	0.07189	0.330039	2.50E-13
0.02983	-0.1682	0.00026	-0.16634	0.00031	-0.15162	0.00101	-0.08624	0.06258
0.37166	-0.0028	0.95189	-0.0296	0.52337	-0.04463	0.3359	-0.04312	0.3525
0.04639	-0.01145	0.80516	0.011907	0.79746	-0.02025	0.66249	-0.06659	0.15077
0.8427	-0.23883	1.76E-07	-0.03562	0.4425	-0.10132	0.02857	-0.06855	0.13908
0.00235	-0.08162	0.07807	-0.1169	0.01147	-0.15747	0.00064	0.068755	0.13792
0.67554	-0.10494	0.02333	0.000104	0.99821	-0.00315	0.94589	-0.0539	0.24504
0.57601	-0.32115	1.15E-12	-0.04372	0.34581	-0.12768	0.00572	-0.07878	0.08903
0.1951	0.070197	0.12983	0.011031	0.81207	0.051543	0.26631	0.020053	0.66557
0.00116	-0.08977	0.05255	-0.20715	6.37E-06	-0.09823	0.03382	-0.15965	0.00053
4.22E-05	0.045729	0.32409	0.042006	0.36508	0.191857	3.00E-05	-0.00983	0.83224
0.96476	0.22486	9.14E-07	0.096331	0.03743	0.067986	0.14239	0.04723	0.30845
2.19E-10	-0.25088	3.90E-08	-0.17355	0.00016	-0.35329	3.57E-15	0.027288	0.55637
3.23E-05	-0.07208	0.11981	-0.05157	0.26602	-0.11784	0.01081	-0.01553	0.73785
0.0059	0.163073	0.0004	0.113581	0.01405	0.244324	8.94E-08	0.1254	0.00666
0.00814	-0.04742	0.30654	-0.03019	0.51511	0.037492	0.4189	-0.07267	0.11684
4.52E-05	0.002379	0.95911	0.051323	0.26835	-0.05625	0.22499	0.144262	0.00177
0.03357	0.242152	1.17E-07	0.173853	0.00016	0.317848	2.01E-12	0.160381	0.0005
0.88689	0.182738	7.13E-05	0.122092	0.00826	0.225906	8.11E-07	0.023041	0.61943
0.35287	-0.04614	0.3198	0.17298	0.00017	0.061819	0.18233	0.054872	0.2366
3.48E-18	0.282153	5.38E-10	0.284358	3.89E-10	0.187495	4.56E-05	0.305519	1.51E-11
0.36991	0.202503	1.03E-05	0.149589	0.00119	0.123759	0.00742	0.145156	0.00166
0.46114	-0.04615	0.31962	-0.01058	0.81954	-0.05505	0.23507	0.08187	0.07715

0.24331	0.083965	0.06986	0.153377	0.00088	0.116813	0.01153	0.088483	0.05603
1.08E-13	0.028687	0.53631	-0.03807	0.41181	0.060605	0.19109	-0.18031	8.92E-05
0.43794	-0.10126	0.02867	-0.17607	0.00013	-0.19582	2.03E-05	-0.12368	0.00745
0.39669	-0.00388	0.93331	-0.00597	0.89764	0.018802	0.68529	0.067786	0.14357
0.21521	0.108124	0.01943	0.05547	0.23153	0.112877	0.01466	0.101791	0.02784
1.98E-05	-0.14883	0.00126	-0.06911	0.13587	-0.05827	0.20879	-0.18551	5.50E-05
0.61824	0.139972	0.00243	0.093471	0.04349	0.119396	0.00981	0.068965	0.13672
8.73E-06	-0.0681	0.14175	0.017056	0.71316	0.026269	0.57122	-0.07518	0.10467
0.42235	0.048168	0.29893	0.035673	0.44184	0.073221	0.11406	0.021054	0.64996
0.1763	-0.00811	0.86131	-0.08781	0.05793	-0.0571	0.21806	0.075541	0.10301
0.23055	0.039895	0.38969	-0.0626	0.17684	0.030546	0.51022	-0.0005	0.99135
0.98807	0.071846	0.12103	0.039357	0.39612	0.059455	0.19966	0.06283	0.17527
0.0007	-0.04315	0.35211	-0.12179	0.00842	-0.20862	5.46E-06	-0.00859	0.85315
4.04E-09	-0.03824	0.40962	-0.06711	0.1476	-0.19982	1.36E-05	0.111451	0.01597
0.88785	0.022561	0.62675	0.073737	0.11153	0.029585	0.52363	0.055574	0.23066
9.01E-09	0.256704	1.83E-08	0.047059	0.31021	0.03646	0.43183	0.149279	0.00121
0.8726	-0.06891	0.13704	-0.06691	0.14882	-0.02339	0.61414	0.015793	0.73356
4.96E-13	-0.09923	0.03203	0.067709	0.14403	-0.16743	0.00028	0.169112	0.00024
8.68E-09	0.200335	1.29E-05	0.283193	4.62E-10	0.219795	1.62E-06	0.319395	1.55E-12
0.06453	0.000147	0.99748	-0.0182	0.6949	0.022146	0.63311	-0.04751	0.30556
0.01514	0.046568	0.31529	-0.01088	0.8146	0.03341	0.47136	-0.09057	0.05045
8.22E-12	0.212912	3.45E-06	0.095081	0.03999	0.126231	0.0063	0.104068	0.02451
0.0109	-0.17071	0.00021	-0.08636	0.06223	-0.18311	6.89E-05	-0.1734	0.00017
0.02979	-0.01733	0.70874	0.058674	0.20564	0.175291	0.00014	0.016764	0.71786
6.59E-07	0.026917	0.56176	0.161088	0.00047	0.240348	1.46E-07	0.092066	0.04676
0.00031	0.271862	2.34E-09	0.143719	0.00185	0.325535	5.46E-13	0.048232	0.29829
0.42125	0.15363	0.00087	0.176827	0.00012	0.244719	8.51E-08	-0.00807	0.86186
0.49751	0.025425	0.58366	-0.10211	0.02735	-0.06328	0.17219	-0.08055	0.08205
0.00022	0.097298	0.03556	0.05681	0.22044	0.223434	1.08E-06	-0.0393	0.39677
0.00032	0.105344	0.0228	0.106336	0.02154	0.213865	3.11E-06	0.0063	0.892
1.10E-05	0.31867	1.75E-12	0.335142	1.01E-13	0.23399	3.15E-07	0.130283	0.0048
0.36135	-0.04964	0.28443	-0.04607	0.32055	-0.02722	0.5574	-0.02316	0.61764
0.01053	0.238653	1.80E-07	0.220746	1.46E-06	0.16541	0.00033	0.224412	9.62E-07
0.00674	-0.12783	0.00567	-0.15323	0.00089	-0.15499	0.00078	-0.17399	0.00016
0.09753	0.108326	0.0192	0.091901	0.04716	0.135523	0.00334	0.134014	0.00372
0.88962	0.10338	0.02548	0.044644	0.33572	0.108189	0.01936	0.158612	0.00058
1.01E-15	-0.19881	1.50E-05	-0.24073	1.40E-07	-0.16109	0.00047	-0.24758	5.94E-08
0.34995	0.322207	9.65E-13	0.154307	0.00082	0.249707	4.54E-08	0.168275	0.00026
0.43272	0.221837	1.29E-06	0.250152	4.29E-08	0.241441	1.28E-07	-0.05063	0.2749
1.61E-07	0.077747	0.09332	0.039929	0.38929	0.046209	0.31903	-0.09363	0.04313
1.66E-08	0.030665	0.50858	0.027078	0.55942	0.150899	0.00107	-0.03375	0.46687
0.30564	0.130047	0.00488	0.073117	0.11458	0.192188	2.90E-05	0.115062	0.01284
0.15336	0.036102	0.43637	-0.02145	0.64377	-0.02579	0.57833	0.047239	0.30836
0.02264	0.228759	5.83E-07	0.168041	0.00026	0.18911	3.91E-05	0.085493	0.0649
0.00126	-0.1059	0.02209	-0.09706	0.03601	-0.03428	0.45993	-0.19451	2.31E-05

1.10E-05	0.047117	0.30961	-0.0734	0.11318	0.013236	0.77543	-0.09725	0.03566
0.00016	-0.10314	0.02582	-0.08127	0.07936	-0.19135	3.15E-05	0.063765	0.16892
7.94E-08	0.153161	0.0009	-0.0699	0.13148	-0.00925	0.84199	-0.19731	1.75E-05
0.01412	-0.11576	0.0123	-0.26076	1.07E-08	-0.32944	2.77E-13	-0.06116	0.18701
0.00678	0.206782	6.62E-06	0.208675	5.43E-06	0.202008	1.09E-05	0.098365	0.03358
0.00102	-0.08303	0.07304	-0.19625	1.94E-05	-0.13537	0.00338	-0.08775	0.05812
0.50652	-0.05844	0.20748	-0.16296	0.00041	-0.11974	0.0096	-0.07791	0.09264
9.77E-10	-0.17775	0.00011	-0.25424	2.53E-08	-0.17236	0.00018	-0.34701	1.16E-14
5.22E-05	-0.1967	1.86E-05	-0.28873	2.04E-10	-0.26203	9.03E-09	-0.23488	2.83E-07
8.72E-07	-0.14774	0.00137	-0.25031	4.20E-08	-0.16891	0.00025	-0.21215	3.75E-06
0.02029	-0.07295	0.11539	-0.04495	0.33239	0.009466	0.83833	-0.00855	0.85376
2.91E-07	-0.20256	1.03E-05	-0.19198	2.96E-05	-0.15405	0.00084	-0.25195	3.40E-08
0.00423	-0.13116	0.00453	-0.13135	0.00447	-0.19117	3.20E-05	-0.14893	0.00125
0.00043	0.131783	0.00434	0.172544	0.00018	0.054788	0.23733	0.007678	0.86857
0.44225	0.140407	0.00236	0.071508	0.1228	0.102123	0.02733	0.067612	0.1446
0.00196	0.291873	1.27E-10	0.258892	1.37E-08	0.153677	0.00086	-0.02731	0.55603
0.00748	0.009325	0.84072	-0.01859	0.68859	-0.00756	0.87049	0.002757	0.95262
0.49337	0.052798	0.25483	-0.01024	0.82524	-0.00539	0.90751	0.020008	0.66628
0.0084	0.078186	0.09147	-0.12371	0.00744	0.003405	0.9415	-0.09503	0.0401
0.33416	0.088464	0.05609	-0.06493	0.16127	0.051698	0.26487	-0.02632	0.5705
0.57752	0.126338	0.00626	-0.08915	0.05421	0.005498	0.90567	-0.08177	0.07753
0.29801	0.044509	0.33719	-0.0862	0.0627	-0.00158	0.97288	-0.04692	0.31161
0.79848	0.126082	0.00637	-0.10316	0.02579	0.019643	0.67202	-0.03241	0.48479
0.6535	0.112173	0.0153	0.00793	0.86428	0.02875	0.53542	0.047384	0.30687
0.05358	0.103764	0.02493	-0.11114	0.01628	0.033079	0.47577	-0.08299	0.07319
0.03754	0.22828	6.17E-07	0.22843	6.06E-07	0.259546	1.26E-08	0.329814	2.60E-13
0.00811	-0.03884	0.40236	0.109511	0.01792	-0.05514	0.2343	0.017498	0.70606
0.10027	-0.00203	0.96505	-0.10381	0.02487	-0.04967	0.28412	-0.12274	0.00792
0.05978	0.183756	6.49E-05	0.144161	0.00179	0.151408	0.00103	0.20475	8.19E-06
0.08207	-0.0229	0.62151	-0.04159	0.3698	-0.02012	0.66451	-0.01744	0.70695
0.57286	-0.12623	0.0063	-0.07179	0.12135	-0.08203	0.07657	-0.02776	0.54954
0.02533	-0.05828	0.20868	-0.15275	0.00093	0.004223	0.92749	-0.03355	0.46947
0.00754	-0.02913	0.53004	0.022869	0.62206	-0.02623	0.57182	0.082419	0.07518
0.00165	-0.02579	0.57827	0.007605	0.86981	-0.04347	0.34854	0.043833	0.34458
0.0705	0.146014	0.00156	0.138932	0.00262	0.076735	0.09767	-0.01059	0.8194
0.00576	-0.20589	7.27E-06	-0.06237	0.17844	-0.17702	0.00012	-0.1947	2.27E-05
0.21509	0.075885	0.10145	0.211877	3.86E-06	0.243013	1.05E-07	0.175732	0.00013
0.25641	-0.01689	0.71589	-0.00046	0.99205	0.006224	0.89329	0.026517	0.56759
0.66372	0.039194	0.39809	0.012169	0.7931	0.065528	0.15742	-0.00744	0.87268
0.52786	-0.05274	0.25537	-0.06138	0.18548	-0.06383	0.16848	0.001262	0.97829
0.34737	-0.03889	0.40179	-0.09062	0.05035	-0.053	0.25298	-0.0849	0.06678
0.00414	-0.01192	0.79731	-0.08548	0.06494	0.005377	0.90775	-0.02284	0.62247
0.07825	0.145565	0.00161	0.071149	0.12469	0.204984	7.99E-06	0.080134	0.08365
0.02761	0.067497	0.14529	0.094817	0.04055	-0.02533	0.58504	0.185059	5.74E-05
0.27587	-0.2762	1.27E-09	-0.27876	8.80E-10	-0.2922	1.21E-10	-0.10415	0.0244

0.46194	-0.0227	0.62461	-0.05609	0.22635	-0.0073	0.87498	-0.00335	0.94251
0.78792	0.218562	1.86E-06	0.177008	0.00012	0.208572	5.49E-06	0.199027	1.47E-05
8.70E-06	0.290741	1.50E-10	0.117612	0.01097	0.252112	3.33E-08	-0.1287	0.00535
0.00414	0.062901	0.17478	0.117411	0.01111	0.163716	0.00038	-0.01885	0.68453
0.04718	0.023647	0.61025	-0.02653	0.56736	0.028403	0.54036	0.01911	0.68041
0.75625	0.163829	0.00038	0.10332	0.02557	0.222706	1.17E-06	0.111908	0.01554
0.1866	0.110947	0.01646	0.096692	0.03672	0.152769	0.00093	0.042872	0.35527
0.0249	-0.02144	0.64398	0.019993	0.66652	0.050659	0.2746	-0.07393	0.11057
1.19E-09	-0.02872	0.53579	-0.02829	0.54202	-0.07323	0.11399	0.128146	0.00555
0.47945	-0.02357	0.61139	-0.10224	0.02716	-0.09946	0.03165	-0.10836	0.01916
0.17601	-0.02498	0.59024	-0.03376	0.46669	-0.02899	0.53196	-0.05162	0.26561
4.16E-07	-0.09153	0.04805	-0.07491	0.10591	-0.01918	0.67932	-0.16427	0.00036
1.95E-10	0.079768	0.08508	0.003661	0.9371	0.109174	0.01827	-0.14961	0.00118
0.16033	0.330551	2.28E-13	0.129288	0.00514	0.213316	3.30E-06	0.203084	9.73E-06
0.00049	0.211668	3.94E-06	0.146549	0.0015	0.259207	1.32E-08	0.064067	0.1669
0.02219	-0.00917	0.84337	-0.03374	0.46693	-0.00069	0.98818	-0.11863	0.01029
0.8117	-0.0001	0.99822	-0.02481	0.59276	0.029044	0.53125	-0.03406	0.46274
0.00274	-0.23797	1.95E-07	-0.17805	0.00011	-0.20152	1.14E-05	0.018922	0.68338
0.02359	0.071248	0.12417	0.079751	0.08515	0.1572	0.00065	0.068758	0.1379
3.88E-07	0.187562	4.53E-05	0.110106	0.0173	0.104264	0.02424	0.373386	6.75E-17
0.00015	-0.00136	0.97662	-0.13321	0.00393	0.10814	0.01941	-0.02509	0.58858
0.55744	0.069662	0.13278	0.046379	0.31726	0.112917	0.01463	-0.05756	0.21439
2.18E-06	0.103258	0.02565	0.078565	0.08991	0.184078	6.29E-05	0.012011	0.79573
0.14091	0.13098	0.00458	0.073363	0.11336	0.173537	0.00016	0.071949	0.1205
0.00101	0.029011	0.53172	-0.01073	0.81706	0.158892	0.00057	-0.03058	0.50977
0.08392	0.295803	6.95E-11	0.192426	2.83E-05	0.289377	1.85E-10	0.160722	0.00049
1.84E-07	0.060578	0.19128	0.020542	0.65794	0.2045	8.40E-06	0.00721	0.8765
3.86E-09	-0.15931	0.00055	-0.01405	0.76199	-0.03689	0.42641	-0.13432	0.00364
0.09661	-0.02347	0.61285	-0.0745	0.10785	0.036181	0.43537	-0.11139	0.01603
0.93991	0.314196	3.70E-12	0.101945	0.0276	0.167304	0.00028	0.084732	0.06733
1.42E-11	0.085907	0.06361	0.071401	0.12336	0.2549	2.32E-08	0.005366	0.90793
0.3218	0.01949	0.67442	-0.00714	0.87778	0.055596	0.23047	0.013548	0.77029
2.89E-09	0.043406	0.34931	0.06597	0.15464	0.178553	0.0001	-0.02793	0.54712
0.91931	-0.08164	0.07798	-0.00487	0.91636	0.004271	0.92666	-0.00707	0.87895
0.00094	-0.23421	3.07E-07	-0.06956	0.13338	-0.16838	0.00026	0.002788	0.95209
0.43041	0.128693	0.00535	0.028625	0.5372	0.026984	0.56079	0.033931	0.46447
0.18761	-0.29917	4.12E-11	-0.08605	0.06316	-0.25668	1.84E-08	-0.0559	0.22796
0.00299	0.148908	0.00125	0.083119	0.07273	0.091626	0.04783	0.18828	4.23E-05
0.32531	0.17771	0.00011	0.168545	0.00025	0.246664	6.67E-08	0.287514	2.44E-10
4.84E-09	-0.08141	0.07885	-0.0669	0.1489	-0.09242	0.04591	-0.21157	3.99E-06
0.04906	0.124713	0.00697	0.130155	0.00485	0.270808	2.71E-09	0.043375	0.34965
0.02523	0.042618	0.35813	-0.14564	0.0016	0.003311	0.94312	0.001046	0.98202
6.42E-30	0.198546	1.54E-05	0.218806	1.81E-06	0.070075	0.1305	0.31201	5.29E-12
5.85E-05	-0.04904	0.29026	-0.05496	0.23588	-0.06207	0.18053	-0.17866	0.0001
0.00389	0.088627	0.05563	0.056361	0.22411	0.138234	0.00276	0.059238	0.2013

0.00996	0.134197	0.00367	0.139557	0.00251	0.214433	2.93E-06	0.07792	0.09259
7.35E-12	0.098502	0.03333	0.032874	0.47851	-0.09266	0.04537	0.251912	3.42E-08
0.00189	0.172117	0.00019	0.206409	6.89E-06	0.243656	9.72E-08	0.165007	0.00034
0.03669	0.022788	0.62329	-0.04115	0.37493	0.056134	0.22599	-0.00399	0.93143
0.37335	-0.08768	0.05831	0.07003	0.13075	-0.04489	0.33307	0.032038	0.48977
4.91E-11	0.201197	1.18E-05	0.099255	0.032	0.117398	0.01112	0.260416	1.12E-08
2.15E-09	-0.35405	3.08E-15	-0.17687	0.00012	-0.27515	1.47E-09	-0.22993	5.09E-07
0.15807	0.018374	0.69207	0.022943	0.62093	0.033191	0.47428	0.033704	0.46747
0.03928	0.134822	0.00351	0.18621	5.15E-05	0.221096	1.40E-06	0.192521	2.81E-05
0.41144	0.099719	0.0312	0.17588	0.00013	0.205844	7.31E-06	0.144016	0.00181
0.00708	-0.09888	0.03265	0.043853	0.34436	-0.00515	0.9116	-0.0831	0.07278
1.54E-08	-0.12006	0.0094	-0.08789	0.05771	-0.0743	0.1088	-0.15193	0.00099
0.0413	0.175366	0.00014	0.139037	0.0026	0.187353	4.62E-05	0.317361	2.18E-12
0.00036	-0.00617	0.89415	-0.00794	0.86419	0.046845	0.31242	-0.10545	0.02266
4.82E-12	0.149782	0.00117	0.197484	1.72E-05	0.179352	9.74E-05	0.290743	1.50E-10
0.01127	-0.0474	0.30672	-0.0535	0.24855	-0.16051	0.0005	0.033735	0.46706
6.67E-05	0.076657	0.09801	0.032606	0.48211	0.146811	0.00147	0.014705	0.75128
0.00015	-0.05106	0.27084	-0.00766	0.86892	0.121893	0.00837	-0.0746	0.10739
0.00204	0.007656	0.86893	-0.17339	0.00017	-0.1783	0.00011	-0.18614	5.19E-05
0.00992	0.038201	0.41015	0.150126	0.00114	0.217177	2.17E-06	-0.02597	0.57559
0.03048	0.097044	0.03604	0.181609	7.92E-05	0.14747	0.00139	0.179071	9.99E-05
0.8466	0.07672	0.09774	0.028624	0.53721	0.040817	0.37882	0.058644	0.20587
1.85E-06	-0.06231	0.17888	-0.04356	0.34762	0.086238	0.06259	-0.10324	0.02568
0.42575	0.078307	0.09097	0.127271	0.00588	0.184691	5.94E-05	0.060984	0.18832
0.53176	0.061935	0.18151	0.093365	0.04373	0.122768	0.00791	0.061773	0.18265
0.53504	-0.02992	0.51896	0.021545	0.64236	-0.00346	0.94053	0.017347	0.70848
0.00146	0.026476	0.56819	0.066134	0.15361	-0.01483	0.74928	0.060464	0.19212
0.20615	0.075454	0.10341	0.053973	0.24438	0.103011	0.02601	0.065107	0.16011
0.95282	-0.09179	0.04742	-0.01106	0.81155	0.003623	0.93777	-0.00153	0.97363
0.06712	-0.13535	0.00338	0.019027	0.68172	0.035587	0.44295	-0.07774	0.09335
3.97E-05	-0.11276	0.01477	-0.20526	7.77E-06	-0.15069	0.00109	-0.03987	0.38994
0.00632	0.174005	0.00016	0.093559	0.0433	0.116607	0.01168	0.304729	1.72E-11
2.05E-05	0.147523	0.00139	0.291103	1.42E-10	0.208512	5.52E-06	0.28248	5.13E-10
0.02002	0.128131	0.00555	0.259381	1.29E-08	0.191907	2.98E-05	0.216215	2.41E-06
0.19671	-0.00172	0.97049	-0.08723	0.05963	-0.03628	0.43408	0.060732	0.19016
1.51E-07	0.231822	4.07E-07	0.003935	0.93241	0.26303	7.89E-09	-0.05531	0.23287
6.37E-14	0.249948	4.40E-08	-0.00759	0.87002	0.094616	0.04098	0.291829	1.28E-10
0.73771	0.166391	0.0003	0.066232	0.153	0.132164	0.00422	0.106454	0.0214
0.32787	-0.12223	0.00819	-0.06474	0.1625	-0.05857	0.20645	0.046723	0.31368
0.00033	0.062464	0.1778	0.172322	0.00018	0.193492	2.55E-05	0.039574	0.39352
0.04573	0.175945	0.00013	0.102386	0.02693	0.20559	7.50E-06	0.04691	0.31174
0.0349	-0.05371	0.24666	0.051842	0.26353	0.144189	0.00178	-0.04368	0.34629
6.21E-06	0.063278	0.1722	0.157152	0.00065	0.231375	4.29E-07	0.079718	0.08528
0.04464	0.184116	6.27E-05	0.151515	0.00102	0.161716	0.00045	0.128559	0.0054
0.26754	-0.1761	0.00013	-0.12239	0.0081	-0.17042	0.00022	-0.11397	0.01373

2.30E-18	0.009752	0.83353	0.028572	0.53795	-0.0355	0.44412	0.228951	5.70E-07
0.00295	-0.00309	0.94693	0.011023	0.81221	0.159958	0.00052	-0.0014	0.97586
0.06856	0.012652	0.78509	-0.06143	0.18509	-0.05539	0.23219	0.165955	0.00032
1.10E-06	0.016237	0.72636	0.130439	0.00475	0.166679	0.0003	-0.00274	0.95291
0.15294	0.097163	0.03581	0.112322	0.01516	0.12655	0.00617	0.054686	0.2382
0.587	0.022627	0.62574	0.090111	0.05165	0.083314	0.07206	0.048583	0.29478
1.03E-11	0.036367	0.43301	-0.02697	0.56094	0.186871	4.84E-05	-0.02477	0.59345
7.94E-07	-0.03467	0.4548	0.028962	0.53241	0.061928	0.18156	-0.01331	0.77423
0.11192	-0.01715	0.71166	-0.03749	0.4189	-0.01547	0.73882	-0.08921	0.05405
0.0546	0.028481	0.53925	0.043112	0.35258	-0.02532	0.58526	0.092336	0.04612
0.96767	0.03995	0.38904	0.039954	0.38899	0.009778	0.83309	0.183099	6.89E-05
0.02789	-0.00589	0.89903	0.027346	0.55554	-0.03226	0.48671	0.149874	0.00116
0.51049	0.007524	0.87118	0.027066	0.5596	0.05537	0.23238	0.028627	0.53716
0.00831	0.051093	0.27051	0.09982	0.03103	0.156284	0.0007	0.006122	0.89502
7.51E-08	-0.10415	0.02439	-0.04786	0.30208	0.000312	0.99463	-0.12964	0.00502
0.00094	-0.04989	0.28197	-0.08083	0.08099	0.0397	0.39202	-0.03387	0.46534
7.93E-09	0.078734	0.08922	0.111956	0.0155	0.040331	0.38453	0.212305	3.68E-06
0.01912	0.02304	0.61945	0.134029	0.00371	0.155366	0.00075	0.050898	0.27234
0.02161	0.003347	0.94249	0.050851	0.27279	0.099984	0.03075	0.025526	0.58216
0.35141	0.031004	0.5039	0.042237	0.36245	0.109061	0.0184	0.012801	0.78262
0.87888	0.04575	0.32387	0.057856	0.21204	-0.00562	0.90353	-0.04678	0.3131
0.00028	-0.26415	6.78E-09	-0.0905	0.05064	-0.13208	0.00425	-0.19982	1.36E-05
3.32E-06	0.21674	2.27E-06	0.204594	8.32E-06	0.18954	3.75E-05	0.188428	4.17E-05
0.6694	0.005576	0.90435	-0.01388	0.76484	0.025592	0.58118	0.022917	0.62132
0.10434	0.101956	0.02759	0.10912	0.01833	0.148796	0.00126	0.026319	0.57048
0.20838	-0.04248	0.3597	-0.09319	0.04414	-0.01238	0.78965	0.00701	0.87991
0.13421	0.058727	0.20523	0.070516	0.12809	0.102915	0.02615	-0.0002	0.99655
0.00048	0.013518	0.77078	0.016277	0.72571	0.068048	0.14203	0.002562	0.95597
0.01655	-0.3253	5.69E-13	-0.09921	0.03208	-0.26783	4.10E-09	-0.09096	0.04946
0.00019	-0.22327	1.10E-06	-0.12472	0.00697	-0.15854	0.00058	-0.10035	0.03014
0.06193	-0.16872	0.00025	-0.14997	0.00115	-0.19177	3.02E-05	-0.23485	2.84E-07
0.23166	0.213689	3.17E-06	0.18324	6.80E-05	0.189173	3.88E-05	0.142192	0.00207
0.05926	0.017613	0.70423	0.004668	0.91986	0.039106	0.39915	0.232059	3.96E-07
0.01561	0.121511	0.00857	0.270736	2.74E-09	0.296728	6.03E-11	0.040139	0.3868
1.28E-26	0.175574	0.00014	0.063936	0.16778	-0.09593	0.03824	0.17633	0.00013
0.00151	0.050705	0.27417	-0.03017	0.51552	-0.08057	0.08197	0.022083	0.63407
0.00919	-0.18872	4.06E-05	-0.25517	2.24E-08	-0.18229	7.43E-05	-0.16874	0.00025
0.00216	0.07063	0.12747	0.068538	0.13917	0.015215	0.74295	0.120275	0.00928
0.01195	0.047247	0.30827	-0.07565	0.1025	-0.19219	2.90E-05	0.076967	0.09666
0.65323	0.169283	0.00024	0.195715	2.05E-05	0.237398	2.09E-07	0.177519	0.00011
0.00122	0.192353	2.85E-05	0.159073	0.00056	0.345016	1.68E-14	0.096612	0.03688
0.00125	0.032395	0.48494	-0.03779	0.41526	0.04229	0.36184	-0.05703	0.21865
0.71488	-0.09288	0.04484	-0.08429	0.06879	-0.03232	0.48598	-0.03599	0.43778
0.00031	0.124365	0.00713	0.14392	0.00182	0.148251	0.00131	0.12093	0.0089
0.15007	0.16063	0.00049	0.084719	0.06737	0.151552	0.00102	0.121591	0.00853

0.39989	-0.08804	0.05729	-0.01059	0.81942	-0.04274	0.35681	-0.00119	0.97955
0.00032	-0.10129	0.02862	-0.07602	0.10085	-0.00221	0.96209	-0.18104	8.34E-05
0.2496	0.046802	0.31286	0.025937	0.5761	0.006868	0.88233	0.028413	0.54022
0.1822	-0.01897	0.68264	0.023259	0.61612	0.027831	0.54854	-0.01596	0.73088
0.2481	-0.0268	0.56348	-0.10297	0.02606	0.008742	0.85056	-0.10002	0.03069
8.35E-05	0.058609	0.20614	0.095224	0.03969	0.142193	0.00207	-0.00675	0.88431
0.00277	0.349133	7.82E-15	0.130039	0.00488	0.178555	0.0001	-0.07138	0.12348
0.69391	0.008639	0.8523	-0.01565	0.73583	-0.0212	0.64771	-0.02956	0.52404
0.00047	0.143125	0.00193	-0.00076	0.98687	0.058414	0.20766	-0.12117	0.00876
0.09407	0.160153	0.00051	0.050793	0.27333	0.055245	0.23343	-0.08126	0.0794
0.98129	0.064318	0.16525	-0.01001	0.82919	-0.00086	0.98514	-0.01381	0.76594
0.12136	0.070409	0.12867	0.060338	0.19305	0.060613	0.19103	-0.00455	0.92184
0.01822	0.194766	2.25E-05	-0.01228	0.79126	0.063943	0.16773	-0.08848	0.05605
0.58989	0.247757	5.81E-08	0.023934	0.60592	0.047279	0.30795	-0.02136	0.64526
0.00041	0.181379	8.09E-05	0.031887	0.49182	0.114252	0.01349	-0.06907	0.13611
0.77766	0.165351	0.00033	0.130488	0.00474	0.118053	0.01067	0.034947	0.4512
0.53958	0.202125	1.07E-05	0.052309	0.25925	0.193141	2.64E-05	0.054444	0.24029
0.78832	0.007458	0.8723	0.069067	0.13614	0.014413	0.75607	-0.06353	0.17049
0.00148	0.091867	0.04724	0.11541	0.01257	0.13408	0.0037	0.189822	3.65E-05
0.66954	0.228731	5.85E-07	0.143395	0.00189	0.19336	2.59E-05	-0.00412	0.92923
0.04318	-0.00585	0.89974	-0.02014	0.66426	0.062299	0.17895	-0.04848	0.29579
0.32512	-0.0494	0.28675	-0.06728	0.14659	-0.03963	0.39281	0.046993	0.31088
0.03074	0.088888	0.05492	0.102818	0.02629	0.073271	0.11381	0.14461	0.00173
0.62713	0.002613	0.95508	0.005508	0.9055	-0.01488	0.74845	-0.02721	0.55747
0.9339	-0.01789	0.69974	0.029369	0.52667	0.05723	0.21704	-0.0253	0.58555
0.00151	-0.0209	0.65228	-0.05339	0.24953	0.071755	0.12151	0.04909	0.28977
1.36E-06	0.026193	0.57233	0.082075	0.07641	0.183844	6.43E-05	-0.00404	0.93058
0.10627	0.048956	0.29109	0.001296	0.97772	0.005977	0.8975	0.052193	0.26032
5.97E-17	-0.12574	0.00651	-0.10658	0.02125	-0.00907	0.84505	-0.22798	6.39E-07
5.16E-06	0.100249	0.03031	0.126296	0.00628	0.279557	7.84E-10	0.007237	0.87606
1.36E-05	-0.09209	0.0467	-0.09312	0.0443	-0.10974	0.01768	-0.21916	1.74E-06
0.00414	-0.04782	0.30248	-0.0617	0.18316	0.067834	0.14329	-0.02233	0.63031
0.02487	-0.05089	0.27238	-0.12807	0.00558	-0.04042	0.38349	-0.02383	0.60751
0.02979	-0.04038	0.38394	-0.14925	0.00122	0.0296	0.52342	-0.07206	0.11993
0.1639	0.067412	0.1458	0.108812	0.01867	0.154445	0.00081	0.076737	0.09766
4.59E-06	0.141978	0.0021	0.210097	4.67E-06	0.129833	0.00495	0.160836	0.00048
0.83822	0.048647	0.29415	-0.00035	0.99403	0.022387	0.62941	-0.00421	0.92774
0.03872	-0.14455	0.00174	-0.03775	0.41571	-0.00032	0.99451	0.004788	0.91782
0.00012	-0.23481	2.86E-07	-0.05838	0.20795	-0.08583	0.06385	-0.06048	0.19199
0.14706	0.349474	7.34E-15	0.181231	8.20E-05	0.22464	9.38E-07	0.088618	0.05566
0.00033	0.228825	5.79E-07	0.207678	6.03E-06	0.175489	0.00014	0.265791	5.42E-09
0.59722	0.149175	0.00122	0.088277	0.05661	0.213829	3.12E-06	0.115925	0.01218
0.60484	0.06522	0.15939	0.078697	0.08937	0.100657	0.02964	0.008332	0.85749
0.37209	0.075494	0.10323	0.062718	0.17604	0.204815	8.13E-06	0.029517	0.52458
1.45E-06	-0.14448	0.00175	-0.09455	0.04112	-0.04086	0.37827	-0.23347	3.35E-07



0.03036	0.142338	0.00205	0.165357	0.00033	0.281213	6.17E-10	0.130576	0.00471
0.00033	0.029198	0.52908	0.005497	0.90569	0.048605	0.29457	-0.07991	0.08454
0.00467	-0.00969	0.83461	0.067919	0.14278	-0.01589	0.73192	0.186759	4.89E-05
6.02E-12	-0.05593	0.22765	-0.05756	0.21438	-0.01966	0.67176	-0.09164	0.04779
0.80882	0.155167	0.00077	0.198743	1.51E-05	0.226814	7.31E-07	0.060754	0.19
0.4757	0.187244	4.67E-05	0.220649	1.47E-06	0.247015	6.38E-08	0.054346	0.24113
0.00054	-0.1106	0.0168	-0.08335	0.07193	-0.08215	0.07615	-0.06342	0.17126
1.63E-08	0.020823	0.65355	0.056688	0.22143	0.011407	0.80579	-0.14242	0.00203
0.1216	-0.08207	0.07643	0.005762	0.90117	-0.05119	0.26958	-0.03013	0.51594
1.13E-06	-0.03081	0.50663	0.043093	0.3528	0.025558	0.58169	-0.10459	0.0238
1.19E-09	0.022525	0.6273	0.03802	0.41238	0.085181	0.06589	-0.04372	0.34578
2.04E-08	0.116619	0.01167	0.155239	0.00076	0.330739	2.21E-13	-0.00951	0.83766
1.89E-05	0.115515	0.01249	0.126936	0.00602	0.204546	8.37E-06	-0.02292	0.62124
0.00022	0.113929	0.01376	0.192007	2.95E-05	0.275286	1.45E-09	0.062669	0.17638
0.00014	0.226874	7.26E-07	0.159214	0.00055	0.197107	1.78E-05	-0.20508	7.91E-06
0.10232	0.142934	0.00196	0.191804	3.01E-05	0.376423	3.62E-17	0.145852	0.00158
0.00033	0.037079	0.42405	-0.04423	0.34021	0.116677	0.01163	-0.02622	0.572
0.00321	0.012372	0.78974	0.049813	0.28271	0.077695	0.09353	0.191063	3.24E-05
0.31821	-0.0354	0.44531	-0.00137	0.97651	0.08756	0.05866	-0.04179	0.36756
6.68E-05	0.038964	0.40086	0.002612	0.9551	0.115547	0.01247	0.054625	0.23873
2.33E-12	-0.09113	0.04906	-0.02626	0.57139	-0.16628	0.00031	0.071898	0.12077
0.07614	-0.13401	0.00372	0.14939	0.0012	-0.0205	0.65852	0.013425	0.77232
0.29747	-0.02112	0.64896	0.122252	0.00818	0.124563	0.00704	-0.00867	0.85169
0.0055	0.374447	5.44E-17	0.355332	2.41E-15	0.324894	6.09E-13	0.425624	5.68E-22
2.18E-07	0.339424	4.69E-14	0.347659	1.03E-14	0.273281	1.92E-09	0.258421	1.46E-08
8.30E-07	0.100643	0.02966	0.023549	0.61173	0.202724	1.01E-05	-0.02008	0.66515
0.31512	0.161381	0.00046	0.073229	0.11402	0.108551	0.01895	0.098644	0.03307
0.02866	0.237017	2.19E-07	0.240463	1.44E-07	0.278433	9.22E-10	0.305473	1.52E-11
0.7579	0.069084	0.13604	0.108485	0.01903	0.064718	0.16263	0.077553	0.09414
0.465	0.134514	0.00359	0.06289	0.17485	0.117845	0.01081	0.024728	0.59402
0.02632	0.119983	0.00945	0.090208	0.05139	0.073751	0.11146	0.140562	0.00233
8.98E-06	0.258752	1.40E-08	0.287949	2.29E-10	0.091673	0.04771	0.170723	0.00021
0.2229	0.223984	1.01E-06	0.168564	0.00025	0.165252	0.00034	0.194303	2.36E-05
0.0863	-0.07329	0.11372	0.066008	0.15439	0.050802	0.27325	-0.04418	0.34074
2.21E-09	0.052566	0.25692	0.054799	0.23723	-0.01545	0.73918	0.240992	1.35E-07
0.77785	0.129046	0.00522	0.109335	0.0181	0.106536	0.0213	0.075829	0.1017
0.00202	0.124129	0.00724	0.12202	0.0083	0.077002	0.0965	0.099557	0.03147
0.04858	0.083585	0.07114	0.219589	1.66E-06	0.25802	1.54E-08	-0.03219	0.48766
0.06902	-0.0296	0.52348	-0.11234	0.01515	-0.01699	0.71427	-0.04683	0.31261
7.68E-10	0.130182	0.00484	0.223834	1.03E-06	0.135833	0.00327	0.167262	0.00028
0.01246	0.00957	0.83659	-0.0678	0.14351	-0.16846	0.00026	0.180804	8.52E-05
1.31E-06	-0.11888	0.01014	-0.10113	0.02887	-0.1685	0.00025	-0.09482	0.04054
0.56029	-0.03842	0.40748	-0.0474	0.30673	-0.02659	0.56647	0.069483	0.13379
0.00703	-0.00505	0.91337	-0.01553	0.73787	-0.06452	0.1639	0.158398	0.00059
1.85E-13	0.163789	0.00038	0.067976	0.14245	0.212111	3.76E-06	0.134943	0.00348

2.35E-09	-0.00877	0.85002	0.00549	0.90581	0.051511	0.2666	-0.08033	0.08288
0.43044	0.052227	0.26	0.0763	0.09959	0.082863	0.07362	0.043166	0.35197
0.00117	0.035466	0.44451	0.076611	0.09821	0.185247	5.64E-05	0.066042	0.15418
0.69397	-0.00617	0.89429	-0.02296	0.62067	-0.07692	0.09688	-0.02488	0.59169
0.30732	0.00796	0.86379	-0.03103	0.50352	-0.03484	0.45264	0.010939	0.81362
0.00073	-0.01974	0.67054	-0.11131	0.01611	-0.02639	0.56943	-0.16126	0.00047
0.00013	0.121138	0.00878	0.174399	0.00015	0.287321	2.51E-10	0.020716	0.65522
0.57692	0.084138	0.06928	0.110201	0.0172	0.124483	0.00707	0.061148	0.18713
0.06612	-0.07341	0.11314	-0.05049	0.27625	-0.00519	0.91092	-0.04914	0.28932
0.01198	-0.03447	0.45735	-0.15231	0.00096	-0.07855	0.08997	-0.04332	0.35023
0.05316	0.051197	0.26953	0.060579	0.19127	0.054902	0.23635	-0.00096	0.98343
0.00359	0.002815	0.95162	-0.03071	0.50801	-0.04768	0.3039	0.130386	0.00477
0.18323	0.086224	0.06263	0.113436	0.01418	0.175364	0.00014	0.076049	0.10071
0.03617	-0.09022	0.05137	-0.0517	0.26483	-0.13719	0.00297	-0.03102	0.50371
0.197	0.066582	0.15083	-0.00873	0.85078	0.03683	0.42717	-0.04789	0.30174
2.43E-05	-0.16965	0.00023	0.104412	0.02404	0.107326	0.02035	-0.10184	0.02776
0.74701	0.02836	0.54097	-0.03962	0.39293	-0.02055	0.65782	-0.03646	0.43181
0.08278	0.072537	0.11749	-0.08785	0.05782	0.055076	0.23487	-0.00846	0.85528
0.26403	0.072846	0.11593	0.080212	0.08335	0.0347	0.45441	0.181567	7.95E-05
2.89E-06	-0.00533	0.90854	0.062798	0.17549	0.134248	0.00365	0.072025	0.12011
0.85174	0.067165	0.14728	0.037676	0.41662	0.037635	0.41713	0.108082	0.01948
0.60707	0.14797	0.00134	0.073487	0.11275	0.127117	0.00594	0.064243	0.16574
0.19979	-0.03472	0.45411	0.016234	0.72641	0.009119	0.84419	-0.04342	0.34911
0.30369	0.054179	0.24259	0.022537	0.62713	0.088894	0.0549	0.029692	0.52213
0.21778	-0.07365	0.11197	-0.07231	0.11864	-0.05845	0.20738	-0.02607	0.57416
0.62393	-0.00103	0.98232	-0.03954	0.39394	0.012311	0.79074	-0.0197	0.67114
0.82785	0.043145	0.35222	0.138344	0.00274	0.100784	0.02943	0.072278	0.11881
0.01899	0.103392	0.02546	0.01618	0.72728	0.142564	0.00201	0.115935	0.01217
0.03125	0.262104	8.94E-09	0.212894	3.46E-06	0.218286	1.92E-06	0.115783	0.01229
0.80731	0.149415	0.0012	0.081197	0.07962	0.162959	0.00041	0.094246	0.04178
0.34798	0.035282	0.44688	0.053865	0.24534	0.075449	0.10343	0.179322	9.76E-05
0.90196	0.121572	0.00854	0.131998	0.00427	0.154328	0.00082	0.062664	0.17641
0.00717	-0.01651	0.72193	0.03295	0.4775	-0.06595	0.15476	0.039462	0.39487
0.33524	0.049081	0.28985	-0.02531	0.58532	0.000369	0.99365	-0.04702	0.31057
0.72579	0.128888	0.00528	0.011698	0.80095	0.022225	0.6319	-0.01023	0.82548
0.03363	0.131322	0.00447	0.077964	0.0924	0.119958	0.00947	0.169498	0.00023
0.73859	0.079071	0.08785	0.098094	0.03407	0.163993	0.00037	-0.00283	0.9513
0.84806	0.049934	0.28154	0.010927	0.81381	0.123024	0.00778	-0.00765	0.86908
0.00445	-0.00679	0.88357	-0.04182	0.36719	0.070114	0.13029	-0.02987	0.51958
0.55326	0.131353	0.00447	0.131138	0.00453	0.205097	7.90E-06	0.130919	0.0046
0.6495	0.115211	0.01273	0.138809	0.00265	0.19231	2.87E-05	0.151235	0.00104
0.25394	0.065744	0.15606	0.070049	0.13064	0.138626	0.00268	0.010359	0.82333
0.05322	0.073953	0.11048	0.133415	0.00387	0.197669	1.69E-05	0.119411	0.0098
0.3625	0.047775	0.3029	0.092786	0.04506	0.108662	0.01883	0.011975	0.79633
0.36569	0.016137	0.72798	0.009219	0.8425	0.115932	0.01217	0.034322	0.45934

0.68819	0.079176	0.08743	0.079129	0.08762	0.090969	0.04945	-0.00364	0.93752
0.19835	0.048092	0.29969	0.013216	0.77577	0.073675	0.11183	0.039221	0.39777
0.00132	-0.07933	0.08683	-0.01787	0.70006	-0.02117	0.64818	-0.10266	0.02653
0.80777	0.046109	0.32009	0.111039	0.01637	0.097288	0.03557	0.044702	0.33509
0.77361	0.029829	0.52021	0.121206	0.00874	0.188569	4.11E-05	0.059487	0.19942
0.3794	0.106872	0.02089	0.056913	0.2196	0.068108	0.14168	0.005524	0.90522
0.83354	-0.00762	0.86959	0.017024	0.71366	0.161359	0.00046	0.06163	0.18367
0.91117	0.060301	0.19332	0.073303	0.11366	0.080656	0.08166	-0.00941	0.83921
0.13418	0.158919	0.00057	0.08949	0.05329	0.201643	1.13E-05	0.057696	0.21331
0.77391	0.088144	0.05699	0.115886	0.01221	0.186024	5.24E-05	0.070158	0.13004
0.73234	-0.05876	0.205	-0.08675	0.06104	-0.13022	0.00482	0.014163	0.76017
0.08477	0.020531	0.6581	0.045383	0.32777	0.204922	8.04E-06	-0.00192	0.967
0.10925	0.07789	0.09271	0.025424	0.58367	0.068157	0.14139	-0.03916	0.39848
0.25827	0.11947	0.00976	0.06193	0.18155	0.107493	0.02016	0.082257	0.07576
0.1321	0.03136	0.49901	0.019397	0.67588	-0.00484	0.91687	0.097461	0.03525
0.77514	0.029039	0.53132	-0.01297	0.77977	-0.00664	0.88626	0.078937	0.08839
0.91137	0.06711	0.14762	0.016435	0.72316	0.037728	0.41598	0.002418	0.95843
0.36244	0.096675	0.03676	0.057384	0.2158	0.037163	0.423	0.105492	0.02261
0.46291	0.068737	0.13802	-0.01347	0.7715	0.069952	0.13118	0.043984	0.34292
0.01564	-0.08074	0.08134	-0.08789	0.05771	-0.08723	0.05962	0.006515	0.88834
0.00205	0.358203	1.39E-15	0.185092	5.72E-05	0.254191	2.55E-08	0.024143	0.60278
5.22E-05	-0.04858	0.29481	-0.09502	0.04012	-0.1467	0.00148	0.124372	0.00712
6.68E-07	-0.02488	0.59171	-0.07995	0.08437	-0.16663	0.0003	0.149965	0.00115
0.62462	-0.06851	0.13931	0.035726	0.44117	-0.00423	0.92744	0.08297	0.07325
0.19594	0.10904	0.01842	0.161112	0.00047	0.147778	0.00136	0.243485	9.93E-08
0.30984	0.133298	0.0039	0.106627	0.02119	0.211148	4.17E-06	0.140715	0.0023
0.08509	0.080826	0.08101	0.030963	0.50446	0.052259	0.25972	-0.11423	0.01351
0.04255	0.092243	0.04634	-0.05321	0.25112	-0.13875	0.00266	-0.15221	0.00097
0.16133	-0.31792	1.99E-12	-0.27014	2.98E-09	-0.39237	1.22E-18	-0.22034	1.52E-06
1.34E-31	-0.03067	0.50847	-0.04834	0.29724	-0.24492	8.30E-08	0.1495	0.00119
0.41577	0.161487	0.00046	0.099194	0.0321	0.190087	3.56E-05	0.025983	0.57542
0.05906	-0.11309	0.01448	-0.05993	0.19607	-0.05149	0.26685	-0.02838	0.54074
3.60E-05	-0.03719	0.42262	0.011475	0.80466	0.039216	0.39782	-0.04867	0.29391
0.01083	-0.01803	0.69758	0.005005	0.91409	0.09056	0.05049	0.031445	0.49785
0.93423	-0.05873	0.20521	0.049101	0.28966	-0.00632	0.89173	-0.02241	0.62911
0.80726	0.051769	0.26421	-0.00904	0.84554	0.003484	0.94014	0.111262	0.01615
0.26695	-0.04787	0.30191	-0.03018	0.51529	-0.03511	0.44907	0.168715	0.00025
0.05817	0.065412	0.15816	0.096459	0.03718	0.194421	2.33E-05	0.005303	0.909
1.28E-12	-0.23607	2.46E-07	-0.03249	0.48362	-0.02083	0.65343	-0.18604	5.23E-05
0.00263	-0.04299	0.35397	0.053456	0.24895	0.136571	0.0031	0.002201	0.96216
0.90804	0.178061	0.00011	0.026143	0.57306	0.225261	8.73E-07	0.112179	0.01529
1.95E-13	0.039918	0.38942	-0.03406	0.46278	0.140198	0.00239	-0.1622	0.00043
0.36924	-0.0699	0.13145	-0.04789	0.30169	-0.08807	0.0572	-0.23571	2.56E-07
2.13E-14	0.004872	0.91638	-0.0007	0.98797	0.109364	0.01807	-0.18552	5.50E-05
0.59357	0.145983	0.00156	0.190621	3.38E-05	0.2162	2.41E-06	0.291112	1.42E-10

2.44E-06	0.049489	0.28586	0.038614	0.40511	0.171548	0.0002	-0.12185	0.00839
0.3899	0.181568	7.94E-05	0.18442	6.09E-05	0.199827	1.36E-05	0.166216	0.00031
0.06595	-0.24092	1.36E-07	-0.10725	0.02044	-0.14659	0.00149	-0.05194	0.26261
6.12E-11	-0.10618	0.02174	-0.10425	0.02426	-0.05475	0.23768	-0.17208	0.00019
7.20E-08	-0.19621	1.95E-05	-0.12538	0.00667	-0.16418	0.00037	-0.20029	1.30E-05
4.17E-12	-0.15138	0.00103	-0.07634	0.09939	-0.16033	0.0005	0.043802	0.34492
0.04497	0.127878	0.00565	0.157217	0.00065	0.06396	0.16762	0.027895	0.54763
5.58E-05	0.43113	1.46E-22	0.090296	0.05117	0.213146	3.36E-06	0.082701	0.07419
0.65483	0.142674	0.002	0.154992	0.00078	0.283798	4.23E-10	0.066231	0.15301
0.2712	0.057447	0.21529	0.142401	0.00204	0.260775	1.07E-08	0.032642	0.48162
0.01016	0.026925	0.56165	0.107563	0.02007	0.070685	0.12718	0.178784	0.0001
0.15214	0.18618	5.16E-05	0.153841	0.00085	0.212793	3.49E-06	0.103215	0.02572
0.02697	0.041358	0.37253	0.003805	0.93464	0.113101	0.01447	-0.03873	0.40365
0.03671	-0.19322	2.62E-05	-0.04025	0.38549	-0.06298	0.17425	-0.03544	0.44483
2.48E-12	-0.12079	0.00898	0.037423	0.41977	-0.08904	0.05449	0.079566	0.08588
4.89E-08	-0.27574	1.36E-09	-0.17704	0.00012	-0.2357	2.57E-07	-0.24182	1.22E-07
0.95059	-0.13043	0.00475	-0.21117	4.16E-06	-0.21088	4.29E-06	-0.12244	0.00808
0.14713	-0.11119	0.01622	-0.09143	0.04831	-0.11236	0.01512	0.104453	0.02398
0.24478	0.025461	0.58311	-0.03506	0.4498	0.015287	0.74178	0.00371	0.93627
0.15687	0.006502	0.88856	-0.09608	0.03793	-0.03772	0.41604	-0.05323	0.25097
3.48E-16	-0.36533	3.42E-16	-0.1324	0.00416	-0.01927	0.67783	-0.36507	3.61E-16
0.19162	0.081186	0.07966	-0.01081	0.81575	0.069298	0.13483	0.060156	0.1944
0.00011	0.029908	0.5191	0.076412	0.09909	0.159986	0.00052	-0.03624	0.43456
5.49E-05	0.0282	0.54325	-0.03171	0.49417	0.142742	0.00199	-0.01714	0.71178
0.76177	0.136101	0.00321	0.136826	0.00305	0.19799	1.63E-05	0.086981	0.06036
1.06E-05	-0.047	0.31078	-0.01499	0.74661	0.068854	0.13735	-0.07276	0.11634
0.05215	0.144649	0.00172	0.112201	0.01527	0.112985	0.01457	0.073588	0.11225
3.58E-24	0.188541	4.13E-05	0.214405	2.93E-06	0.062308	0.17889	0.30362	2.05E-11
0.01313	-0.17337	0.00017	0.032079	0.48922	0.129041	0.00523	-0.08714	0.05989
3.65E-05	-0.06302	0.17393	0.005285	0.90931	0.012108	0.79411	-0.07308	0.11475
8.99E-06	0.09209	0.0467	-0.02751	0.55316	0.021238	0.64712	-0.03183	0.49264
0.19917	0.454346	3.64E-25	0.276436	1.23E-09	0.293956	9.23E-11	0.170607	0.00021
0.18676	-0.04409	0.34173	0.118423	0.01043	0.012788	0.78283	-0.0384	0.40766
0.01582	-0.12304	0.00777	-0.12254	0.00803	-0.12255	0.00802	-0.07986	0.08471
1.04E-05	-0.29514	7.70E-11	-0.14797	0.00134	-0.18923	3.86E-05	-0.28356	4.38E-10
0.01278	0.011495	0.80432	0.013192	0.77616	0.066465	0.15155	0.066854	0.14917
0.51761	0.111305	0.01611	0.08453	0.06799	0.097028	0.03607	0.142104	0.00208
9.83E-10	0.061175	0.18694	0.004322	0.92579	0.061026	0.18802	0.164738	0.00035
0.09073	0.187832	4.41E-05	0.071441	0.12315	0.203293	9.52E-06	0.160387	0.0005
0.14768	0.120575	0.0091	-0.08989	0.05222	-0.13015	0.00485	0.096596	0.03691
0.19855	-0.02399	0.60502	-0.06096	0.1885	-0.01595	0.73106	-0.14566	0.0016
0.32234	0.156886	0.00067	0.193212	2.62E-05	0.248599	5.22E-08	0.13104	0.00456
0.18758	-0.02888	0.5336	0.043245	0.35109	0.033467	0.47061	0.042638	0.35791
0.42599	-0.12917	0.00518	-0.14049	0.00234	-0.16432	0.00036	-0.07619	0.10009
6.15E-05	0.286268	2.94E-10	0.157482	0.00064	0.219312	1.71E-06	0.015568	0.73722

6.29E-05	-0.22668	7.42E-07	-0.19632	1.93E-05	-0.15644	0.00069	-0.18054	8.73E-05
0.54021	0.008753	0.85036	0.041857	0.36679	0.046468	0.31633	0.020255	0.66241
0.01206	0.152761	0.00093	0.269332	3.33E-09	0.102629	0.02657	0.21742	2.11E-06
0.22216	0.18912	3.90E-05	0.103942	0.02469	0.166767	0.0003	0.229895	5.11E-07
0.07329	0.103388	0.02547	0.1009	0.02924	0.149884	0.00116	0.047381	0.3069
0.1183	0.138756	0.00266	0.142786	0.00198	0.147515	0.00139	0.132528	0.00412
0.012	-0.04951	0.28569	-0.02067	0.65587	0.01187	0.79809	-0.02568	0.57988
0.00019	0.084755	0.06726	0.135614	0.00332	0.053632	0.24739	0.197515	1.71E-05
0.61335	0.086818	0.06084	0.050283	0.27819	0.036978	0.42532	0.038183	0.41038
0.00037	-0.09812	0.03402	0.002874	0.95062	-0.11326	0.01433	-0.00175	0.96989
5.20E-19	0.1245	0.00707	-0.02425	0.60121	0.088712	0.0554	-0.20178	1.11E-05
0.0002	-0.26119	1.01E-08	-0.04249	0.35959	-0.11936	0.00983	-0.0543	0.24152
9.61E-18	0.094263	0.04174	0.109679	0.01774	-0.00404	0.93058	0.236319	2.38E-07
0.62622	-0.26747	4.31E-09	-0.13504	0.00346	-0.16587	0.00032	0.009367	0.84
0.07173	0.183362	6.73E-05	0.231623	4.17E-07	0.318016	1.96E-12	0.060481	0.192
0.0934	0.189196	3.87E-05	0.28308	4.70E-10	0.258819	1.39E-08	0.248089	5.57E-08
0.28312	0.129527	0.00506	0.157198	0.00065	0.239002	1.72E-07	0.177449	0.00012
0.24784	0.075865	0.10154	0.096421	0.03726	0.112227	0.01525	0.0513	0.26857
6.81E-05	0.076905	0.09693	0.188048	4.33E-05	0.07145	0.1231	0.107372	0.0203
0.03691	0.000785	0.9865	0.155962	0.00072	0.172373	0.00018	0.01579	0.73361
0.06751	0.059387	0.20017	0.101995	0.02753	0.116759	0.01157	0.137877	0.00283
0.36267	0.097076	0.03598	0.113733	0.01393	0.250329	4.19E-08	0.109483	0.01795
0.05642	-0.0076	0.86981	0.025089	0.58864	0.187222	4.68E-05	0.010905	0.81419
0.4941	0.048078	0.29984	0.065765	0.15592	0.154408	0.00081	0.058631	0.20597
0.07423	0.039222	0.39775	0.16028	0.00051	0.178321	0.00011	0.039643	0.3927
0.87436	0.037503	0.41877	0.14494	0.00169	0.228488	6.02E-07	0.093015	0.04453
0.00241	0.014419	0.75596	0.136508	0.00312	0.102516	0.02674	0.213334	3.30E-06
0.13634	0.068344	0.1403	0.154425	0.00081	0.149883	0.00116	0.161358	0.00046
0.38294	0.055787	0.22887	0.12038	0.00922	0.117699	0.01091	-0.01693	0.71515
9.75E-07	0.199874	1.35E-05	0.223353	1.09E-06	0.224951	9.05E-07	0.211221	4.14E-06
0.00656	0.205512	7.57E-06	0.246804	6.55E-08	0.289529	1.80E-10	0.063097	0.17344
0.25526	0.110344	0.01706	0.184216	6.21E-05	0.169956	0.00022	0.213182	3.35E-06
0.09919	0.188475	4.15E-05	0.261067	1.03E-08	0.294832	8.07E-11	0.222795	1.16E-06
0.02298	0.204356	8.53E-06	0.258216	1.50E-08	0.37398	5.98E-17	0.097651	0.03489
0.47582	0.000685	0.98823	0.145859	0.00157	0.094695	0.04081	0.049103	0.28963
0.17115	0.119333	0.00985	0.214176	3.01E-06	0.267628	4.22E-09	0.090958	0.04948
1.56E-07	0.14087	0.00228	0.201961	1.09E-05	0.140184	0.0024	0.262968	7.95E-09
0.34468	0.065331	0.15868	0.183378	6.72E-05	0.187156	4.71E-05	0.17449	0.00015
0.04329	0.081834	0.07728	0.112844	0.01469	0.08788	0.05774	0.138555	0.00269
0.00312	0.022817	0.62285	0.131444	0.00444	0.069324	0.13468	0.140113	0.00241
4.33E-10	-0.10251	0.02675	-0.16148	0.00046	-0.10045	0.02998	-0.16202	0.00044
0.00555	0.001371	0.97643	-0.00141	0.97575	0.113571	0.01406	-0.00138	0.97623
0.02733	0.11312	0.01445	0.156216	0.00071	0.269969	3.05E-09	0.078855	0.08873
0.37868	0.036181	0.43537	0.106009	0.02195	0.124702	0.00697	0.084927	0.0667
0.02457	-0.02356	0.61161	0.022957	0.62071	-0.01759	0.70457	0.123281	0.00765

0.51284	0.071296	0.12391	-0.04711	0.30971	0.092359	0.04606	0.123035	0.00777
2.00E-27	-0.0594	0.20004	-0.06143	0.18511	0.09102	0.04932	-0.18422	6.21E-05
0.11531	0.17705	0.00012	0.147582	0.00138	0.235007	2.79E-07	0.144767	0.00171
0.21527	-0.04857	0.29486	-0.06402	0.16721	-0.00127	0.97809	0.107794	0.01981
0.00108	-0.16304	0.0004	-0.12143	0.00862	-0.20807	5.79E-06	-0.07853	0.09004
3.46E-16	0.025243	0.58635	0.060308	0.19327	0.020843	0.65325	0.253221	2.89E-08
1.09E-05	0.08334	0.07197	0.057227	0.21706	0.205068	7.92E-06	-0.06486	0.16174
0.63768	0.156442	0.00069	0.075249	0.10435	0.118043	0.01068	0.135529	0.00334
0.29384	0.260588	1.10E-08	0.20774	5.99E-06	0.334722	1.09E-13	0.230828	4.58E-07
0.10051	0.011219	0.80894	0.007858	0.86552	0.088281	0.0566	0.025698	0.57962
0.41224	-0.0175	0.706	-0.07691	0.09692	-0.00411	0.9294	-0.12422	0.0072
0.82472	0.051097	0.27047	-0.026	0.57518	-0.00876	0.85026	0.049714	0.28367
1.74E-13	0.089933	0.05211	0.050424	0.27684	0.233678	3.27E-07	-0.09533	0.03947
4.75E-05	0.204267	8.61E-06	0.183592	6.59E-05	0.186194	5.16E-05	0.223405	1.08E-06
1.25E-06	0.063486	0.1708	0.019115	0.68033	0.206287	6.98E-06	-0.08321	0.07241
0.00058	-0.02041	0.66004	-0.14274	0.00199	-0.04294	0.35451	-0.07978	0.08505
0.32482	0.035704	0.44145	0.003873	0.93348	0.054969	0.23578	-0.02596	0.57572
0.24265	-0.02019	0.66335	0.032762	0.48	-0.02787	0.54797	-0.11324	0.01435
3.93E-08	0.009797	0.83277	0.046917	0.31167	-0.08632	0.06235	0.224486	9.54E-07
0.80372	0.033077	0.47579	0.064524	0.16389	0.087783	0.05802	0.021249	0.64694
0.18468	-0.06279	0.17553	-0.09597	0.03816	-0.03738	0.42028	-0.05623	0.22521
0.00032	0.022589	0.62633	-0.03617	0.43555	0.083888	0.07011	-0.03117	0.50156
0.00344	0.026866	0.5625	-0.00907	0.84506	0.065616	0.15687	-0.00701	0.87986
0.00034	0.223246	1.10E-06	0.081998	0.07669	0.181261	8.17E-05	0.265736	5.46E-09
0.09827	0.023346	0.61481	0.110829	0.01658	0.049874	0.28212	0.332517	1.61E-13
0.36926	0.045107	0.33072	0.060021	0.1954	0.032478	0.48382	0.119521	0.00973
9.26E-07	0.125009	0.00683	0.013069	0.77819	0.106136	0.02179	0.202539	1.03E-05
4.64E-07	-0.25531	2.20E-08	-0.04951	0.28569	0.064863	0.16169	-0.13216	0.00422
0.02449	-0.10127	0.02866	-0.17664	0.00012	-0.0832	0.07246	-0.10913	0.01832
2.77E-12	0.048874	0.29189	0.041065	0.37593	0.023722	0.60912	0.22161	1.32E-06
0.00744	-0.29289	1.09E-10	-0.22469	9.33E-07	-0.28275	4.93E-10	-0.03489	0.45194
0.00087	0.014692	0.7515	0.031475	0.49744	0.114113	0.01361	0.003203	0.94497
0.60495	0.042557	0.35882	0.073656	0.11192	0.04189	0.36641	-0.00319	0.94521
6.96E-06	-0.02814	0.54409	0.050541	0.27573	0.121543	0.00856	-0.08423	0.06898
0.00033	-0.11819	0.01058	-0.08455	0.06793	-0.04758	0.30484	-0.10707	0.02065
0.08136	0.006305	0.89191	-0.08236	0.07538	0.096206	0.03768	0.008296	0.85809
7.73E-12	-0.09476	0.04067	-0.08146	0.07864	0.069033	0.13633	-0.16257	0.00042
0.27843	0.164481	0.00036	0.045155	0.33021	0.022406	0.62912	0.081948	0.07687
0.18469	-0.00201	0.96547	0.036193	0.43522	-0.01898	0.68253	0.009308	0.841
0.0032	0.036795	0.42761	0.020701	0.65545	0.115658	0.01238	-0.02269	0.6248
0.47134	0.169412	0.00024	0.190148	3.54E-05	0.231133	4.42E-07	0.273111	1.97E-09
0.00992	0.105497	0.0226	0.050409	0.27698	0.290074	1.66E-10	0.039331	0.39644
0.03255	-0.16402	0.00037	-0.01329	0.77449	-0.08969	0.05275	-0.09316	0.0442
0.00021	0.102659	0.02653	0.100588	0.02975	0.092667	0.04534	0.257601	1.63E-08
9.39E-25	0.442239	8.79E-24	0.188443	4.16E-05	0.107152	0.02056	0.234124	3.10E-07

0.44641	-0.02402	0.60458	-0.01059	0.81947	0.156021	0.00072	-0.00024	0.99591
0.01609	0.289717	1.75E-10	0.256051	2.00E-08	0.276312	1.25E-09	0.080482	0.08232
0.41275	-0.32105	1.17E-12	-0.25974	1.23E-08	-0.34468	1.79E-14	-0.09861	0.03313
0.15481	-0.03205	0.48968	0.064685	0.16284	-0.05643	0.2235	-0.05853	0.20679
2.45E-08	0.061221	0.18661	0.200352	1.29E-05	0.034512	0.45685	0.227098	7.07E-07
3.30E-10	-0.05732	0.21631	-0.00599	0.89726	0.069774	0.13216	-0.09718	0.03578
9.64E-05	0.059057	0.20269	0.06726	0.14671	0.195448	2.11E-05	-0.00734	0.87436
0.20857	0.052427	0.25818	0.105249	0.02293	0.110536	0.01687	0.027192	0.55777
0.00023	0.100993	0.02909	0.037137	0.42332	0.044025	0.34246	0.257701	1.61E-08
0.01379	-0.00365	0.93733	-0.07844	0.0904	-0.1447	0.00172	-0.09818	0.03391
0.29695	-0.13943	0.00253	-0.15811	0.00061	-0.1193	0.00987	-0.11486	0.013
3.22E-10	-0.23449	2.97E-07	-0.18764	4.49E-05	-0.12098	0.00887	-0.18909	3.91E-05
1.62E-05	0.132705	0.00407	-0.00378	0.93506	-0.03519	0.44808	-0.04966	0.2842
2.23E-20	0.192948	2.69E-05	0.257466	1.66E-08	0.108034	0.01953	0.256476	1.89E-08
0.02035	0.047325	0.30747	0.039855	0.39018	0.0887	0.05543	0.002723	0.95319
0.00114	0.172629	0.00018	0.116596	0.01169	0.126823	0.00606	0.190217	3.51E-05
0.25834	0.462696	3.75E-26	0.224086	9.99E-07	0.273799	1.78E-09	0.200935	1.21E-05
0.00159	0.043517	0.34807	0.055393	0.23218	0.131346	0.00447	-0.03694	0.42579
0.24886	-0.18328	6.78E-05	-0.2544	2.48E-08	-0.25272	3.08E-08	-0.0822	0.07595
1.21E-05	-0.04024	0.38564	-0.02255	0.62697	-0.06556	0.15725	0.092224	0.04638
0.80134	0.23266	3.69E-07	0.263069	7.85E-09	0.307242	1.15E-11	0.177032	0.00012
3.30E-07	0.095284	0.03956	0.04604	0.32081	0.105379	0.02276	-0.00259	0.95549
0.1082	-0.00204	0.96485	0.017534	0.70548	0.115924	0.01218	-0.06462	0.16325
1.08E-10	0.011904	0.79752	-0.02182	0.6381	-0.16053	0.0005	0.117539	0.01102
0.03124	0.12985	0.00495	0.005563	0.90456	0.082126	0.07623	0.014125	0.76079
8.72E-12	0.034672	0.45477	0.055346	0.23257	-0.03385	0.4656	0.128151	0.00555
0.0919	0.0255	0.58255	0.018128	0.696	0.05924	0.20129	-0.05341	0.24932
1.54E-05	0.019213	0.67879	0.015688	0.73527	-0.12702	0.00598	0.067843	0.14323
0.20087	0.073737	0.11153	-0.02617	0.5727	0.138587	0.00269	0.003886	0.93326
9.37E-06	-0.04686	0.31225	-0.07034	0.12905	0.028245	0.54261	-0.06592	0.15492
0.77471	0.045071	0.33111	0.009668	0.83493	0.030053	0.51708	0.106982	0.02076
0.54611	0.250843	3.92E-08	0.111863	0.01559	0.238939	1.74E-07	0.076006	0.1009
0.00118	0.124102	0.00725	0.092695	0.04527	0.053945	0.24463	0.215007	2.75E-06
0.002	-0.07465	0.10716	-0.03697	0.42538	-0.11084	0.01657	0.073474	0.11281
0.00018	0.282353	5.23E-10	0.312345	5.01E-12	0.29268	1.12E-10	0.326471	4.64E-13
0.01005	0.241799	1.22E-07	0.303794	1.99E-11	0.411698	1.57E-20	0.220832	1.44E-06
0.00506	0.128902	0.00527	0.06251	0.17748	0.104065	0.02452	0.086155	0.06284
0.32942	0.224107	9.96E-07	0.14663	0.00149	0.215303	2.66E-06	0.152258	0.00096
0.0181	0.057604	0.21404	-0.00512	0.91216	0.036256	0.43442	-0.07787	0.09279
5.42E-05	-0.28024	7.10E-10	-0.17816	0.00011	-0.18241	7.35E-05	-0.12642	0.00622
0.0007	-0.15707	0.00066	-0.24012	1.50E-07	-0.10558	0.0225	-0.25553	2.14E-08
0.06279	-0.03445	0.45762	-0.03587	0.43935	0.078088	0.09188	-0.03845	0.40714
0.00017	0.122966	0.00781	0.007993	0.86323	-0.03377	0.46653	0.157633	0.00063
9.38E-24	0.049162	0.28906	0.101756	0.02789	-0.04226	0.36221	0.361396	7.44E-16
0.42048	0.03878	0.40309	-0.05548	0.23146	-0.02687	0.56242	0.161718	0.00045

0.62633	0.293547	9.82E-11	0.059024	0.20294	0.008594	0.85306	-0.02667	0.56532
5.20E-05	0.037196	0.42259	-0.06546	0.15783	0.188751	4.04E-05	-0.01179	0.79947
0.00097	0.260924	1.05E-08	0.079276	0.08703	0.171351	0.0002	-0.15643	0.00069
0.32925	-0.16214	0.00044	-0.21981	1.62E-06	-0.21968	1.64E-06	-0.06266	0.17643
0.01392	-0.32211	9.81E-13	-0.27344	1.88E-09	-0.34744	1.07E-14	-0.03711	0.42364
0.4051	0.105106	0.02311	0.021222	0.64736	0.034464	0.45749	0.127022	0.00598
0.21578	0.006437	0.88965	-0.00196	0.96638	0.19211	2.92E-05	-0.08179	0.07744
5.03E-14	-0.1634	0.00039	-0.11705	0.01136	-0.0081	0.86138	-0.29852	4.57E-11
0.80648	0.267943	4.04E-09	0.217853	2.01E-06	0.311944	5.35E-12	0.160391	0.0005
0.76598	0.033504	0.47011	0.087415	0.05908	0.081096	0.08	0.148407	0.0013
0.00276	0.052906	0.25385	0.017599	0.70444	0.067438	0.14564	-0.04108	0.37576
0.87043	0.0119	0.79758	-0.00411	0.92939	0.104829	0.02348	0.052938	0.25356
3.76E-14	-0.20634	6.94E-06	-0.02297	0.62045	0.103935	0.0247	-0.15018	0.00113
0.00292	0.171306	0.0002	0.25653	1.87E-08	0.197057	1.79E-05	0.25972	1.23E-08
1.62E-06	0.177835	0.00011	0.2327	3.67E-07	0.115392	0.01258	0.231009	4.48E-07
0.96034	-0.04597	0.32156	-0.18196	7.67E-05	-0.18247	7.31E-05	0.010993	0.81271
1.86E-11	-0.08766	0.05835	0.008795	0.84966	0.028642	0.53696	-0.16605	0.00031
4.28E-08	0.01087	0.81476	-0.07551	0.10316	-0.07627	0.09974	0.223049	1.12E-06
0.4152	0.073348	0.11343	0.086805	0.06088	-0.0202	0.66332	0.199248	1.44E-05
5.28E-06	0.110572	0.01683	0.118592	0.01032	0.288753	2.03E-10	-0.03741	0.41998
0.49534	0.090618	0.05034	0.171636	0.00019	0.125462	0.00663	0.1143	0.01345
7.54E-05	0.142658	0.002	0.173033	0.00017	0.251431	3.64E-08	0.125533	0.0066
0.00297	0.223075	1.12E-06	0.229391	5.42E-07	0.196504	1.90E-05	0.021675	0.64035
0.82897	0.029545	0.52419	0.040256	0.38541	-0.1184	0.01045	0.020793	0.65402
0.08996	-0.05563	0.23015	0.090479	0.0507	-0.1402	0.00239	0.077175	0.09576
1.19E-06	-0.17833	0.00011	0.014269	0.75844	-0.13906	0.0026	0.066075	0.15398
0.0002	-0.07671	0.0978	-0.23775	2.01E-07	-0.2159	2.49E-06	-0.06657	0.15092
0.10133	0.486501	4.04E-29	0.229195	5.54E-07	0.243737	9.62E-08	0.180835	8.50E-05
1.34E-05	0.313683	4.02E-12	0.199066	1.47E-05	0.168144	0.00026	0.239844	1.55E-07
0.36191	0.141318	0.00221	0.047672	0.30394	0.099758	0.03113	0.043635	0.34676
6.29E-09	-0.34766	1.03E-14	-0.10125	0.02868	-0.33198	1.77E-13	0.053372	0.24969
0.6762	0.177818	0.00011	0.015409	0.73981	-0.01562	0.7364	0.059345	0.2005
0.39177	-0.0726	0.11718	-0.16275	0.00041	-0.05888	0.20404	-0.1181	0.01064
0.00055	-0.19778	1.67E-05	-0.10688	0.02088	-0.06323	0.1725	-0.14591	0.00157
1.46E-08	-0.07303	0.11503	-0.14046	0.00235	0.004065	0.93018	-0.23241	3.80E-07
4.84E-06	0.046337	0.3177	0.184705	5.93E-05	0.101797	0.02783	0.250928	3.88E-08
0.00125	0.070577	0.12776	0.105862	0.02214	0.150185	0.00113	0.139955	0.00244
0.30043	-0.03951	0.39429	0.000299	0.99485	-0.08443	0.0683	0.137163	0.00298
2.59E-14	0.191781	3.02E-05	0.013464	0.77168	-0.02776	0.5496	0.21631	2.38E-06
0.04849	-0.01051	0.82082	-0.04081	0.37887	0.028053	0.54537	-0.06132	0.1859
0.13431	0.412368	1.34E-20	0.212694	3.53E-06	0.249364	4.74E-08	0.066115	0.15373
5.29E-09	-0.02373	0.60894	-0.03917	0.3984	0.063008	0.17404	-0.07671	0.0978
0.05267	0.147536	0.00139	0.168701	0.00025	0.305152	1.60E-11	0.050042	0.2805
2.33E-19	0.149421	0.0012	0.093864	0.04261	0.319714	1.47E-12	-0.02769	0.5506
4.02E-15	0.015078	0.7452	-0.00409	0.92982	0.120199	0.00932	-0.1226	0.00799



0.07966	0.18779	4.43E-05	0.324423	6.61E-13	0.374747	5.11E-17	0.064497	0.16407
1.44E-08	-0.01261	0.78581	0.040888	0.378	0.135784	0.00328	-0.07369	0.11175
3.98E-08	0.077748	0.09331	0.054924	0.23616	0.191966	2.96E-05	0.049098	0.28969
0.02489	0.041676	0.36886	0.078802	0.08894	-0.00997	0.82981	0.215346	2.65E-06
0.00063	-0.03574	0.44097	0.048802	0.29261	0.031662	0.49488	-0.05458	0.23909
1.04E-06	0.009455	0.83853	-0.0512	0.26953	0.068637	0.1386	-0.03124	0.50068
1.27E-13	-0.25886	1.38E-08	-0.24412	9.17E-08	-0.18862	4.09E-05	-0.24931	4.77E-08
3.15E-06	0.091941	0.04706	0.075176	0.1047	0.100243	0.03032	0.165455	0.00033
0.00106	0.202001	1.09E-05	0.030114	0.51623	0.037705	0.41627	-0.00315	0.94592
0.16983	0.230013	5.04E-07	0.15019	0.00113	0.166625	0.0003	0.027971	0.54654
0.04579	0.105696	0.02235	0.092445	0.04586	0.178594	0.0001	-0.02652	0.56757
0.16531	0.029205	0.52898	0.04591	0.32219	0.001204	0.97931	0.050831	0.27298
0.0012	0.180473	8.79E-05	0.072645	0.11694	0.216446	2.35E-06	0.030964	0.50446
0.63619	-0.05132	0.26842	-0.03914	0.39868	0.01202	0.79558	-0.07457	0.10754
0.75924	0.029593	0.52352	-0.03026	0.51419	0.073173	0.1143	0.0144	0.75628
0.00709	0.105091	0.02313	0.056117	0.22613	0.037487	0.41897	0.121727	0.00846
0.00065	-0.09821	0.03385	-0.06031	0.19329	-0.06415	0.16636	-0.09305	0.04446
0.00777	-0.08204	0.07653	-0.07231	0.11866	-0.12709	0.00595	-0.02185	0.63768
2.29E-05	-0.16423	0.00037	-0.01743	0.70723	-0.11861	0.01031	-0.19715	1.78E-05
0.02743	-0.06091	0.18882	-0.00158	0.97288	-0.05083	0.27301	-0.1301	0.00486
0.38473	0.067152	0.14736	0.057343	0.21613	0.128086	0.00557	0.097926	0.03438
0.28537	0.086891	0.06062	0.096221	0.03765	0.133291	0.00391	0.179889	9.27E-05
0.65986	-0.00062	0.98936	-0.01003	0.82883	-0.04536	0.32807	0.013784	0.76639
0.31108	0.040815	0.37885	0.074494	0.10789	0.122177	0.00822	0.05697	0.21914
0.00505	-0.01455	0.7539	-0.06469	0.16283	0.02313	0.61808	0.068387	0.14004
0.40611	0.06125	0.18639	0.057011	0.21881	0.089332	0.05371	0.050533	0.2758
0.5712	0.057896	0.21172	0.095502	0.03911	0.157492	0.00064	0.008599	0.85297
0.10294	0.009399	0.83947	0.091153	0.04899	0.087299	0.05942	0.028116	0.54446
0.03529	0.353549	3.39E-15	0.075285	0.10419	0.128299	0.00549	0.026087	0.57389
2.04E-05	0.259594	1.25E-08	0.076893	0.09698	0.043899	0.34385	0.15164	0.00101
0.00199	0.035695	0.44156	0.062614	0.17676	-0.02213	0.63329	0.144403	0.00176
1.24E-08	-0.05467	0.23836	-0.0849	0.06678	0.02635	0.57004	-0.08523	0.06572
0.00907	0.103409	0.02544	0.051361	0.268	0.027701	0.55042	0.256	2.01E-08
0.0758	0.226437	7.63E-07	0.159648	0.00053	0.353625	3.34E-15	0.072941	0.11545
0.01773	0.205302	7.73E-06	0.243954	9.37E-08	0.264042	6.88E-09	0.109054	0.0184
0.90391	-0.13291	0.00401	-0.12596	0.00642	-0.08977	0.05254	-0.05013	0.27964
0.87961	0.143028	0.00194	0.14133	0.0022	0.161614	0.00045	0.094035	0.04224
0.02913	-0.03299	0.47691	0.024763	0.59349	-0.03792	0.41365	0.012417	0.78899
0.86719	-0.00368	0.93674	-0.01881	0.68513	-0.03486	0.45233	-0.01269	0.78439
0.92289	0.144526	0.00174	0.027584	0.5521	0.012368	0.78981	0.073607	0.11216
0.60729	0.02527	0.58595	-0.02619	0.5724	-0.03199	0.4904	-0.01437	0.75682
0.90484	-0.02801	0.54591	-0.01068	0.81798	-0.02252	0.6274	-0.07857	0.08991
0.00256	-0.11291	0.01464	-0.10625	0.02165	-0.07687	0.0971	-0.0428	0.3561
9.80E-14	0.446891	2.62E-24	0.313899	3.88E-12	0.286563	2.81E-10	0.21994	1.59E-06
0.41651	0.053056	0.25251	-0.03164	0.49521	-0.05342	0.24923	0.087827	0.05789

9.87E-05	-0.12388	0.00736	-0.14751	0.00139	-0.05869	0.20548	-0.1599	0.00052
1.64E-06	-0.04259	0.35846	0.044747	0.3346	-0.09523	0.03968	0.076136	0.10032
0.03314	0.113674	0.01398	0.078025	0.09214	0.017366	0.70817	0.125091	0.0068
1.45E-10	0.252425	3.20E-08	0.247949	5.67E-08	0.218508	1.87E-06	0.282117	5.41E-10
0.24098	0.026432	0.56884	-0.01931	0.67721	0.054223	0.24221	-0.06254	0.17729
0.01064	0.056452	0.22336	0.066466	0.15155	0.052437	0.25809	-0.01812	0.69605
0.66841	0.122315	0.00814	0.140811	0.00229	0.212566	3.58E-06	0.102423	0.02688
0.00058	-0.05136	0.26796	-0.06731	0.1464	0.070758	0.12678	-0.01151	0.804
0.00205	-0.02733	0.55573	-0.00149	0.97445	-0.04449	0.33743	0.124917	0.00687
0.68553	0.145877	0.00157	0.033588	0.469	0.101031	0.02903	0.029083	0.5307
0.03144	0.075286	0.10419	0.120385	0.00921	0.019231	0.6785	0.175537	0.00014
6.06E-05	-0.22468	9.34E-07	-0.02082	0.65368	-0.10834	0.01919	-0.17616	0.00013
0.48495	0.401832	1.50E-19	0.211694	3.93E-06	0.232419	3.80E-07	0.085768	0.06404
0.00331	0.082375	0.07534	0.059579	0.19872	0.131971	0.00428	0.034087	0.46242
0.24249	-0.03012	0.51611	0.041518	0.37068	0.06586	0.15532	0.06591	0.15501
0.57298	-0.07669	0.09788	0.0431	0.35272	-0.02042	0.65988	0.005844	0.89976
0.22182	0.169098	0.00024	0.200507	1.27E-05	0.241573	1.26E-07	0.015099	0.74486
0.00159	-0.00693	0.88121	0.013648	0.76864	-0.06507	0.16035	-0.00566	0.90296
1.70E-05	0.069636	0.13293	-0.01081	0.81585	0.098239	0.0338	-0.09879	0.03281
0.00267	0.030038	0.51728	-0.05948	0.19946	-0.10042	0.03002	0.072985	0.11523
0.0103	0.175961	0.00013	0.188402	4.18E-05	0.205897	7.27E-06	0.077147	0.09588
0.03573	-0.17074	0.00021	-0.08333	0.07199	-0.22559	8.41E-07	-0.16128	0.00047
0.17181	0.394872	7.09E-19	0.296579	6.17E-11	0.353216	3.61E-15	0.222901	1.14E-06
5.25E-07	-0.06468	0.16288	-0.09836	0.03359	0.002511	0.95685	-0.1056	0.02247
0.34884	0.150165	0.00113	-0.00763	0.86944	0.08649	0.06182	0.125941	0.00643
0.10656	0.042434	0.36021	0.04331	0.35037	0.087108	0.05998	0.0671	0.14768
0.37711	0.053168	0.25151	-0.00488	0.91623	-0.01383	0.76567	0.185504	5.50E-05
0.05161	0.009997	0.82941	-0.01963	0.67221	0.050962	0.27174	-0.00542	0.907
3.77E-09	-0.01201	0.79573	-0.09707	0.03598	0.040661	0.38065	-0.03659	0.43015
0.49068	0.107705	0.01991	0.118052	0.01067	0.136284	0.00317	0.039533	0.39402
0.05136	0.044437	0.33797	-0.02306	0.61918	0.047076	0.31004	-0.03806	0.41186
0.92933	0.005274	0.90951	0.014382	0.75658	-0.03683	0.42714	0.035193	0.44802
1.85E-08	0.227205	6.98E-07	0.182416	7.35E-05	0.233514	3.33E-07	0.074423	0.10823
0.56067	0.065331	0.15868	0.124583	0.00703	0.104985	0.02327	0.144013	0.00181
0.58664	0.2753	1.44E-09	0.18636	5.08E-05	0.297049	5.73E-11	0.044327	0.33916
0.03008	0.083333	0.072	-0.0206	0.65709	0.069351	0.13453	-0.00448	0.92301
0.53467	0.156096	0.00071	0.07751	0.09432	0.15665	0.00068	0.075891	0.10142
0.08338	0.267482	4.30E-09	0.210699	4.38E-06	0.179021	0.0001	0.20634	6.94E-06
0.66272	0.418251	3.36E-21	0.30587	1.43E-11	0.316682	2.45E-12	0.121032	0.00884
1.20E-09	0.066738	0.14988	-0.02456	0.59647	-0.08194	0.07689	0.08217	0.07607
0.52162	0.116299	0.0119	0.12886	0.00529	0.171183	0.0002	0.07773	0.09339
6.16E-18	-0.21952	1.67E-06	-0.13271	0.00407	-0.07596	0.10113	-0.30896	8.70E-12
3.76E-06	0.064677	0.1629	0.02013	0.66436	0.070205	0.12979	-0.0988	0.0328
0.30468	0.092448	0.04585	0.102276	0.0271	0.172742	0.00018	0.006632	0.88634
2.10E-09	0.32513	5.85E-13	0.307338	1.13E-11	0.280256	7.09E-10	0.277003	1.13E-09

6.33E-07	0.137607	0.00288	0.203328	9.49E-06	0.117282	0.0112	0.164569	0.00036
0.03744	0.112937	0.01461	0.104186	0.02435	0.145487	0.00162	-0.00557	0.90443
0.12788	-0.13658	0.0031	-0.11759	0.01098	-0.2078	5.95E-06	-0.09665	0.0368
0.29862	0.114782	0.01306	0.050747	0.27377	0.180643	8.65E-05	0.000945	0.98375
1.87E-06	-0.27093	2.67E-09	-0.02047	0.65898	-0.02828	0.5421	-0.16266	0.00042
2.22E-08	0.158631	0.00058	0.035442	0.44481	0.143616	0.00186	-0.07969	0.08538
0.83892	-0.13366	0.00381	-0.17572	0.00014	-0.141	0.00226	-0.03852	0.4063
0.32197	0.152644	0.00094	0.112926	0.01462	0.214405	2.93E-06	0.064077	0.16684
0.95127	0.191917	2.98E-05	0.217711	2.04E-06	0.222131	1.25E-06	0.19267	2.77E-05
0.00053	-0.01496	0.74716	0.104023	0.02457	0.088863	0.05498	0.007267	0.87554
0.27085	0.066047	0.15415	0.007348	0.87417	-0.01384	0.7654	0.133834	0.00376
1.78E-08	0.14452	0.00174	0.078195	0.09144	0.035075	0.44954	0.206065	7.14E-06
0.09179	-0.0326	0.4822	0.016681	0.71919	0.02615	0.57296	-0.0627	0.17615
0.37997	0.257776	1.59E-08	0.103339	0.02554	0.097459	0.03525	-0.03457	0.45606
0.4027	0.001161	0.98004	0.015999	0.73022	0.031538	0.49658	0.042489	0.35959
0.35538	0.036555	0.43064	0.006061	0.89607	0.072408	0.11814	0.048027	0.30034
0.00445	0.078409	0.09055	0.002922	0.94978	0.015991	0.73035	-0.03928	0.39706
0.13267	0.068411	0.13991	0.042849	0.35553	0.040973	0.377	-0.04114	0.37504
0.71354	0.051351	0.26809	0.070431	0.12855	0.075167	0.10474	0.037317	0.42108
0.32458	-0.02227	0.63124	0.013357	0.77343	0.001339	0.97697	-0.01462	0.75267
0.03759	-0.00696	0.88078	0.017655	0.70354	0.029107	0.53036	-0.01029	0.82449
2.21E-07	-0.02715	0.55835	0.043834	0.34457	-0.08478	0.06718	-0.02213	0.63336
0.00052	-0.04732	0.30754	0.083828	0.07032	0.044527	0.33698	-0.01082	0.81564
0.00039	0.074813	0.10638	0.060888	0.18902	0.151285	0.00104	0.112758	0.01477
2.55E-08	-0.03173	0.49396	-0.01818	0.69525	0.095085	0.03998	-0.11412	0.0136
1.26E-11	0.135938	0.00325	0.111343	0.01608	0.083916	0.07002	0.168178	0.00026
7.47E-08	0.021951	0.6361	-0.0215	0.643	0.064284	0.16547	-0.0456	0.32546
0.00015	-0.0981	0.03406	-0.12528	0.00671	0.028777	0.53503	-0.10967	0.01775
0.86881	-0.07457	0.10751	-0.07929	0.08696	-0.06995	0.13118	-0.0453	0.32861
2.01E-07	-0.1541	0.00083	-0.15045	0.00111	-0.1388	0.00265	-0.20833	5.63E-06
0.00182	0.233803	3.22E-07	0.012773	0.78308	0.164988	0.00034	0.112829	0.01471
2.82E-16	0.107498	0.02015	0.041139	0.37507	0.160742	0.00049	-0.02132	0.64581
0.05842	0.426744	4.32E-22	0.242423	1.13E-07	0.299045	4.21E-11	0.239081	1.71E-07
0.07611	-0.05641	0.22367	-0.04001	0.38836	-0.12184	0.00839	-0.03707	0.4242
0.00313	0.016942	0.71498	-0.03424	0.4604	0.128482	0.00543	-0.12397	0.00731
0.00074	-0.06338	0.17151	-0.09604	0.03801	-0.04849	0.29575	-0.14327	0.00191
0.6867	-0.02326	0.61609	-0.04524	0.32926	-0.03655	0.43072	0.049101	0.28965
0.88033	-0.39599	5.54E-19	-0.12065	0.00906	-0.21457	2.88E-06	0.02423	0.60146
1.02E-05	-0.02004	0.66574	-0.0469	0.31179	0.036786	0.42773	-0.07316	0.11438
0.99935	-0.20244	1.04E-05	-0.13758	0.00289	-0.2042	8.67E-06	-0.01983	0.66911
0.25809	0.140159	0.0024	0.089813	0.05243	0.18599	5.26E-05	0.100443	0.02999
0.45983	-0.1667	0.0003	-0.04026	0.38535	-0.07565	0.10251	0.165591	0.00033
0.11182	0.082926	0.0734	-0.04014	0.38677	0.00465	0.92016	-0.04058	0.38157
0.00552	-0.06536	0.15852	0.041162	0.37481	0.065614	0.15688	-0.10849	0.01902
0.3697	0.06105	0.18784	-0.08516	0.06594	-0.0316	0.49574	-0.08548	0.06494

0.89555	-0.12239	0.0081	0.027782	0.54926	-0.02457	0.59635	-0.1734	0.00017
0.17705	0.412621	1.27E-20	0.235123	2.75E-07	0.357098	1.72E-15	0.151722	0.00101
2.64E-10	0.196574	1.88E-05	0.051032	0.27109	0.052189	0.26035	0.264908	6.12E-09
0.25791	-0.05617	0.22568	0.018045	0.69731	-0.08364	0.07095	-0.07058	0.12775
5.44E-06	0.023388	0.61417	0.074297	0.10883	0.005453	0.90644	0.188052	4.32E-05
0.01917	0.072818	0.11607	0.038288	0.40909	0.019213	0.67879	0.13696	0.00302
6.90E-11	-0.00921	0.84259	6.62E-05	0.99886	0.118095	0.01064	-0.07041	0.12865
1.99E-07	-0.18141	8.06E-05	-0.22094	1.42E-06	-0.04968	0.284	-0.15889	0.00057
0.18305	0.089058	0.05445	0.045623	0.32522	0.042893	0.35504	0.003364	0.9422
1.45E-15	0.109356	0.01808	0.184925	5.81E-05	0.045533	0.32617	0.129456	0.00508
0.00017	0.012051	0.79507	0.028086	0.54488	0.089308	0.05377	-0.01857	0.68896
9.79E-11	-0.02554	0.58191	-0.00633	0.89157	-0.05168	0.26501	0.283476	4.43E-10
0.14857	0.072162	0.11941	0.007675	0.86861	0.077064	0.09624	0.082582	0.07461
3.90E-05	-0.17415	0.00016	-0.1348	0.00352	-0.10671	0.02109	-0.1369	0.00303
0.60678	0.11731	0.01118	0.017678	0.70318	0.090398	0.05091	0.064176	0.16619
0.00189	0.010148	0.82686	-0.07583	0.10169	-0.01245	0.7885	0.081091	0.08002
0.66828	-0.13425	0.00366	-0.25373	2.70E-08	-0.2325	3.76E-07	0.023505	0.6124
0.41008	-0.03246	0.48405	0.150392	0.00111	0.062553	0.17718	0.108395	0.01913
1.99E-18	-0.04076	0.37945	-0.09407	0.04216	0.01192	0.79724	-0.06532	0.15877
0.36491	0.067924	0.14275	0.031662	0.49489	0.095965	0.03817	-0.09077	0.04995
0.04058	-0.04616	0.31955	-0.11679	0.01155	-0.19047	3.43E-05	-0.06194	0.1815
0.87607	0.249373	4.73E-08	0.20495	8.02E-06	0.313773	3.96E-12	0.154013	0.00084
0.00675	-0.0083	0.85796	-0.12517	0.00676	0.103991	0.02462	-0.02853	0.53861
0.00989	-0.1638	0.00038	-0.19912	1.46E-05	-0.21158	3.98E-06	-0.14345	0.00189
0.02774	0.270913	2.67E-09	0.144269	0.00177	0.197812	1.66E-05	0.066184	0.1533
0.00545	-0.11206	0.0154	-0.03695	0.42571	0.007364	0.87389	0.025517	0.58229
0.00019	-0.07236	0.11841	0.083552	0.07125	0.034948	0.45119	-0.02893	0.5329
0.00948	-0.08082	0.08103	0.010188	0.8262	0.039702	0.39199	-0.03871	0.40389
0.28561	-0.01662	0.72018	-0.02321	0.6169	0.001757	0.9698	0.045243	0.32927
0.01081	0.014236	0.75896	0.043218	0.3514	0.077225	0.09554	0.034441	0.45779
1.84E-07	0.126109	0.00636	0.057118	0.21794	0.065202	0.1595	0.140486	0.00234
4.51E-06	0.136348	0.00315	0.159055	0.00056	0.332936	1.50E-13	0.07679	0.09743
4.38E-07	7.21E-05	0.99876	-0.05859	0.20629	0.061063	0.18775	-0.07503	0.10536
0.34328	0.037394	0.42012	0.018096	0.6965	0.03496	0.45103	0.088468	0.05608
4.78E-11	0.017055	0.71318	-0.00502	0.91378	0.198344	1.58E-05	-0.0725	0.11768
0.28484	0.144711	0.00172	0.111056	0.01635	0.150837	0.00108	0.19321	2.62E-05
0.7232	-0.04997	0.2812	0.015005	0.74638	0.056368	0.22405	-0.15351	0.00087
0.55212	0.02293	0.62113	0.032542	0.48296	0.046168	0.31946	-0.00591	0.89858
0.64931	0.028387	0.54059	-0.1023	0.02706	-0.11996	0.00947	0.183429	6.69E-05
0.00073	-0.06238	0.17839	-0.06689	0.14896	0.023555	0.61164	-0.07661	0.09821
0.03094	-0.38806	3.11E-18	-0.2075	6.14E-06	-0.24916	4.86E-08	-0.04565	0.3249
9.29E-05	0.046944	0.31139	0.053859	0.24539	-0.05791	0.21162	0.154481	0.00081
0.8747	0.150252	0.00113	0.065499	0.1576	0.049531	0.28545	-0.08838	0.05633
0.33957	-0.02517	0.58744	0.139704	0.00248	0.026546	0.56717	0.009996	0.82942
0.00175	0.065621	0.15683	-0.04302	0.35366	0.03763	0.4172	0.079274	0.08704

0.18836	-0.0246	0.59592	-0.20077	1.23E-05	-0.03446	0.4576	-0.16584	0.00032
0.00597	0.127979	0.00561	0.088716	0.05539	0.104825	0.02349	-0.01847	0.69061
0.15129	-0.26694	4.63E-09	-0.1366	0.0031	-0.24604	7.21E-08	0.140157	0.0024
0.39882	0.197125	1.78E-05	0.172158	0.00019	0.127737	0.0057	0.267807	4.11E-09
0.64152	-0.06229	0.17904	0.023667	0.60995	-0.13201	0.00427	0.007742	0.86749
8.65E-06	-0.26199	9.08E-09	-0.19789	1.65E-05	-0.19765	1.69E-05	-0.29578	6.98E-11
0.00078	0.047927	0.30136	0.141802	0.00213	0.109937	0.01747	0.145434	0.00163
0.00165	-0.13003	0.00489	0.02475	0.59368	-0.01938	0.6762	0.002788	0.95209
0.09708	0.031401	0.49846	0.088421	0.05621	0.1016	0.02813	0.185116	5.71E-05
0.00064	0.202683	1.01E-05	0.172832	0.00017	0.133522	0.00384	0.096256	0.03758
0.26525	0.032726	0.4805	0.033265	0.47329	0.001538	0.97355	0.013288	0.77457
0.0009	0.019539	0.67364	0.09962	0.03137	0.219723	1.63E-06	0.06373	0.16915
0.91126	-0.08674	0.06106	-0.0725	0.11768	-0.04846	0.29598	-0.00297	0.94893
0.95129	0.164415	0.00036	0.174292	0.00015	0.175488	0.00014	0.091592	0.04791
6.22E-06	-0.00762	0.86954	-0.05079	0.27339	-0.12128	0.0087	-0.05112	0.27022
0.01418	0.208641	5.45E-06	0.093389	0.04368	0.082293	0.07563	0.105462	0.02265
0.00177	0.123108	0.00774	0.118298	0.01051	0.077411	0.09474	0.097407	0.03535
0.62166	-0.0277	0.55041	0.033801	0.46618	-0.00037	0.99362	0.035717	0.44128
0.09669	-0.20756	6.10E-06	-0.11341	0.0142	-0.15476	0.00079	-0.07731	0.09518
0.75428	0.167869	0.00027	0.172537	0.00018	0.227283	6.92E-07	0.093601	0.0432
7.09E-05	0.195062	2.19E-05	0.184933	5.81E-05	0.175572	0.00014	0.085799	0.06394
0.00141	0.071665	0.12198	0.141869	0.00212	0.000596	0.98975	0.17515	0.00014
0.27295	0.092893	0.04481	0.083406	0.07175	0.139009	0.00261	0.056001	0.22709
0.01866	0.164219	0.00037	0.113264	0.01433	0.176804	0.00012	0.087979	0.05746
0.00018	-0.01806	0.69709	-0.10667	0.02113	-0.011	0.81267	-0.06564	0.15668
0.47952	-0.01068	0.81791	-0.05826	0.20889	-0.0854	0.06519	-0.08999	0.05196
2.20E-07	0.127844	0.00566	0.119504	0.00974	0.224697	9.31E-07	-0.1265	0.00619
6.31E-06	-0.03525	0.44734	0.052584	0.25676	0.084938	0.06666	-0.0051	0.91248
0.74226	0.100581	0.02976	0.051157	0.26991	0.130585	0.00471	0.139299	0.00255
8.37E-07	-0.14756	0.00138	-0.14251	0.00202	-0.07058	0.12776	-0.11822	0.01056
4.44E-15	0.334644	1.11E-13	0.20317	9.64E-06	0.243443	9.98E-08	0.349436	7.39E-15
7.41E-07	0.070313	0.12919	0.087378	0.05919	0.142554	0.00201	-0.00022	0.99617
0.00029	0.085449	0.06504	-0.03978	0.39104	0.052993	0.25307	-0.10805	0.01952
2.14E-13	0.031743	0.49378	0.097871	0.03448	0.234497	2.97E-07	-0.03197	0.49072
0.0033	-0.15528	0.00076	-0.11152	0.01591	-0.16744	0.00028	-0.18892	3.98E-05
0.00082	0.028045	0.54548	0.051162	0.26986	0.155386	0.00075	-0.09264	0.0454
0.0039	0.001825	0.96863	0.075671	0.10242	0.105746	0.02228	0.029381	0.5265
0.0567	-0.01721	0.7107	0.069509	0.13364	0.066371	0.15214	-0.09892	0.03258
0.13552	0.089	0.05461	0.078193	0.09145	0.073154	0.1144	0.073698	0.11172
0.06163	-0.12143	0.00862	-0.0618	0.18246	-0.17201	0.00019	-0.23496	2.81E-07
0.3503	0.333759	1.29E-13	0.249175	4.85E-08	0.397441	4.02E-19	0.224442	9.59E-07
0.20959	0.118089	0.01065	0.054378	0.24087	0.06354	0.17043	-0.03683	0.4272
1.77E-14	0.199526	1.40E-05	0.109446	0.01799	0.030228	0.51463	0.233752	3.24E-07
1.12E-06	0.441558	1.05E-23	0.445186	4.10E-24	0.34217	2.84E-14	0.294072	9.06E-11
5.95E-09	-0.14066	0.00231	-0.00375	0.93554	-0.05012	0.27971	-0.29422	8.86E-11

0.29896	0.159201	0.00055	0.1487	0.00127	0.248629	5.20E-08	0.077656	0.0937
0.00016	-0.09525	0.03963	-0.06875	0.13794	0.005663	0.90286	-0.02386	0.60705
3.97E-11	-0.05876	0.20494	0.001859	0.96803	-0.07003	0.13074	0.21343	3.26E-06
0.01256	0.080739	0.08134	0.068349	0.14027	0.10066	0.02963	-0.10673	0.02106
0.08053	0.07683	0.09726	0.083831	0.07031	0.084689	0.06747	0.1026	0.02662
8.44E-14	0.144118	0.00179	-0.00791	0.86457	-0.06009	0.19491	0.291566	1.33E-10
1.70E-21	0.207135	6.38E-06	0.099152	0.03218	-0.00989	0.83125	0.218488	1.87E-06
3.83E-06	-0.06682	0.14939	0.020445	0.65945	0.045422	0.32735	-0.15899	0.00056
1.87E-07	0.284798	3.65E-10	0.101973	0.02756	0.236428	2.35E-07	-0.06589	0.15511
0.06391	0.032754	0.48012	-0.07179	0.12133	0.012094	0.79436	-0.02207	0.6342
0.42707	0.085427	0.06511	0.01427	0.75841	-0.02472	0.59411	-0.06377	0.16888
2.10E-14	0.11377	0.01389	-0.00747	0.87203	0.106999	0.02074	-0.17806	0.00011
2.15E-20	-0.03625	0.43448	0.033539	0.46965	0.123223	0.00768	-0.16138	0.00046
0.27383	0.05023	0.2787	-0.02202	0.6351	0.078255	0.09119	-0.06403	0.16715
0.59047	-0.01393	0.76398	-0.07674	0.09764	-0.03016	0.5156	0.023112	0.61836
0.95161	0.036833	0.42714	-0.01495	0.74731	0.015897	0.73187	-0.01459	0.75314
0.16356	0.0158	0.73344	-0.06836	0.14018	-0.0026	0.9554	-0.03915	0.3986
0.44936	-0.02628	0.571	-0.02691	0.56191	0.023012	0.61988	0.013605	0.76934
0.00455	-0.07103	0.12532	0.10385	0.02481	-0.03836	0.40821	0.177208	0.00012
0.5771	-0.00841	0.85621	0.022393	0.62932	0.026261	0.57133	0.049452	0.28622
0.45707	0.019579	0.67302	0.084851	0.06694	0.16269	0.00042	0.094212	0.04185
0.27131	-0.13361	0.00382	-0.13978	0.00247	-0.14552	0.00162	-0.1339	0.00375
0.00023	0.243211	1.03E-07	0.024915	0.59122	0.192398	2.84E-05	-0.10036	0.03013
0.0266	-0.18971	3.69E-05	-0.07276	0.11635	-0.26709	4.54E-09	0.072678	0.11678
0.62876	0.03497	0.4509	0.075676	0.1024	0.070304	0.12924	0.214618	2.87E-06
0.29771	-0.16417	0.00037	-0.07702	0.09642	-0.13524	0.00341	-0.06779	0.14353
0.66744	0.119359	0.00983	0.079268	0.08706	0.104334	0.02415	0.112128	0.01534
0.08144	0.132402	0.00415	0.021252	0.64689	0.133626	0.00382	0.04566	0.32483
0.0357	0.282357	5.22E-10	0.051302	0.26855	0.142413	0.00204	0.018578	0.68883
0.05285	0.070494	0.12821	0.03684	0.42705	0.164265	0.00036	0.055944	0.22756
0.52453	0.234873	2.84E-07	0.020212	0.66308	0.120178	0.00933	0.067094	0.14771
0.53316	0.264736	6.26E-09	0.164309	0.00036	0.022141	0.63319	0.174475	0.00015
0.44555	0.317277	2.22E-12	0.018957	0.68284	0.032179	0.48787	0.125456	0.00664
0.07818	0.242438	1.13E-07	0.060556	0.19144	0.139488	0.00252	0.168499	0.00025
0.08427	0.148072	0.00133	0.073694	0.11173	0.066553	0.15101	0.152146	0.00097
0.59875	0.12069	0.00904	0.084905	0.06677	0.087257	0.05954	0.104799	0.02352
0.03601	-0.01272	0.784	-0.06051	0.19177	-0.08271	0.07414	0.142472	0.00203
0.00732	0.07901	0.0881	-0.11403	0.01368	-0.15847	0.00059	0.009746	0.83363
0.00229	0.068036	0.1421	-0.0686	0.13883	0.021193	0.6478	-0.04751	0.30558
0.00402	-0.14018	0.0024	-0.23267	3.69E-07	-0.21394	3.09E-06	-0.1052	0.02298
0.00132	0.15752	0.00063	0.079286	0.08699	0.078075	0.09194	0.24285	1.07E-07
0.90949	0.098279	0.03373	-0.01602	0.72987	0.02741	0.55462	0.010457	0.82168
5.63E-06	-0.11067	0.01673	-0.11437	0.0134	-0.23412	3.10E-07	0.047075	0.31005
0.12097	0.14318	0.00192	0.149758	0.00117	0.143945	0.00182	0.231312	4.33E-07
3.78E-05	-0.04786	0.30202	-0.04382	0.34476	-0.02018	0.66351	-0.10065	0.02965

0.00119	-0.02703	0.56007	-0.10192	0.02764	0.15264	0.00094	-0.01374	0.76719
0.50633	-0.15527	0.00076	-0.13762	0.00288	-0.17654	0.00013	-0.05215	0.26068
7.59E-06	-0.19335	2.59E-05	-0.19396	2.44E-05	-0.13685	0.00304	-0.10759	0.02004
2.79E-11	0.061171	0.18697	-0.01787	0.70015	-0.06675	0.14981	0.264946	6.08E-09
0.2054	0.04405	0.34219	0.129382	0.00511	0.102044	0.02745	0.018273	0.69368
0.00799	0.094367	0.04151	-0.06107	0.18768	0.149434	0.0012	0.061629	0.18368
0.00408	0.031934	0.49119	0.038827	0.40252	0.107626	0.02	0.099418	0.03171
0.00093	0.099756	0.03113	0.060516	0.19174	0.123141	0.00772	-0.02217	0.63271
2.62E-06	-0.30196	2.66E-11	-0.27351	1.86E-09	-0.29103	1.44E-10	-0.27009	3.00E-09
0.00026	-0.16678	0.00029	-0.16708	0.00029	-0.05958	0.19874	-0.18156	7.95E-05
0.01334	0.158515	0.00059	0.100379	0.03009	0.212603	3.57E-06	-0.01024	0.82531
0.22684	0.003492	0.94001	-0.03488	0.4521	0.020181	0.66357	-0.00985	0.83193
0.81429	0.027315	0.55599	0.094482	0.04126	0.083435	0.07165	0.020956	0.65149
0.13764	-0.14125	0.00222	0.108146	0.01941	-0.03946	0.39492	0.019018	0.68186
0.00244	-0.01025	0.82508	-0.02411	0.60325	0.00697	0.8806	0.030784	0.50693
0.84003	-0.03259	0.48228	0.028089	0.54485	-0.00696	0.88079	0.096982	0.03616
0.06989	0.100822	0.02937	0.099439	0.03168	0.072971	0.11531	0.116115	0.01204
0.61369	0.024605	0.59585	0.005514	0.90541	-0.02317	0.61751	-0.01346	0.77179
0.00104	-0.02962	0.52307	0.059207	0.20154	-0.05897	0.20337	0.177997	0.00011
0.67433	0.175767	0.00013	0.097761	0.03468	0.141083	0.00224	0.063021	0.17396
3.14E-05	0.140086	0.00241	0.091947	0.04705	0.077783	0.09316	0.158257	0.0006
0.16443	0.076085	0.10055	0.200245	1.30E-05	0.191545	3.09E-05	0.092647	0.04539
0.09435	0.116558	0.01171	0.036659	0.42933	0.209785	4.82E-06	0.028518	0.53872
5.42E-15	0.152577	0.00094	-0.04458	0.33646	-0.0426	0.35829	0.161893	0.00044
0.43828	0.026517	0.56759	-0.09122	0.04882	-0.10973	0.01769	0.018831	0.68482
0.12124	0.083897	0.07009	0.122156	0.00823	0.269938	3.06E-09	0.006934	0.8812
0.00199	0.060179	0.19423	0.072717	0.11658	0.124315	0.00715	-0.01486	0.74876
0.03432	0.105072	0.02316	0.024155	0.6026	-0.01344	0.77211	0.017764	0.70181
0.68609	-0.04797	0.30093	-0.08633	0.06231	-0.0085	0.85463	0.033783	0.46642
0.7583	0.200294	1.29E-05	0.162855	0.00041	0.223222	1.10E-06	0.045249	0.32921
0.91321	0.192894	2.71E-05	0.236488	2.34E-07	0.287488	2.45E-10	0.102503	0.02676
2.84E-06	-0.16288	0.00041	-0.02815	0.54402	-0.02934	0.52705	-0.1447	0.00172
0.00048	-0.20045	1.27E-05	-0.1372	0.00297	-0.15534	0.00076	-0.2325	3.76E-07
0.03448	-0.03443	0.45792	-0.08836	0.05638	-0.07711	0.09605	-0.02457	0.59635
0.00972	0.144922	0.00169	0.053904	0.245	0.159255	0.00055	-0.01349	0.7713
0.00057	-0.05197	0.26234	-0.1025	0.02676	-0.22878	5.82E-07	-0.03355	0.46953
0.90272	-0.1837	6.52E-05	-0.15844	0.00059	-0.21904	1.76E-06	-0.17055	0.00021
0.00118	-0.02659	0.56654	-0.11767	0.01093	-0.14446	0.00175	0.044161	0.34098
1.23E-06	-0.01513	0.74433	0.029936	0.51871	0.096746	0.03662	-0.07571	0.10224
7.86E-07	0.022812	0.62292	0.04127	0.37355	-0.06939	0.1343	0.116504	0.01175
0.11579	0.157808	0.00062	0.107574	0.02006	0.188761	4.04E-05	0.092141	0.04658
0.0057	0.031404	0.49841	-0.06931	0.13476	0.06716	0.14731	0.204431	8.47E-06
0.0004	0.107057	0.02067	0.215141	2.71E-06	0.177656	0.00011	0.162735	0.00041
3.21E-09	0.17876	0.0001	0.152957	0.00091	0.145404	0.00163	0.330188	2.43E-13
0.00061	0.135327	0.00339	0.008302	0.858	0.065962	0.15468	-0.04097	0.37707

0.02741	0.113674	0.01398	0.051042	0.27099	0.213631	3.19E-06	0.096464	0.03717
3.50E-05	0.164685	0.00035	0.185218	5.65E-05	0.285899	3.10E-10	0.081601	0.07813
0.05609	0.119432	0.00979	0.090445	0.05078	0.092943	0.0447	0.130239	0.00482
0.12962	0.232709	3.67E-07	0.174248	0.00015	0.149319	0.00121	0.103391	0.02546
0.00048	0.154063	0.00084	0.083232	0.07234	0.186338	5.09E-05	0.115716	0.01234
0.25081	-0.04124	0.37386	-0.04471	0.33498	0.056125	0.22606	-0.12236	0.00812
0.26571	0.328673	3.17E-13	0.012803	0.78259	0.098553	0.03323	0.011745	0.80016
7.14E-10	0.105616	0.02245	0.117484	0.01106	0.247525	5.98E-08	-0.06897	0.13669
2.61E-07	0.149457	0.0012	-0.02563	0.5806	0.034933	0.45138	-0.08193	0.07692
0.00591	-0.14695	0.00145	-0.20635	6.93E-06	-0.3227	8.88E-13	-0.1595	0.00054
0.00163	-0.05729	0.21653	-0.08475	0.06727	-0.06223	0.1794	-0.14149	0.00218
0.43844	-0.08147	0.07862	0.036084	0.4366	-0.04651	0.31588	0.140347	0.00237
0.00064	0.16015	0.00051	0.18869	4.07E-05	0.166914	0.00029	0.360366	9.10E-16
4.96E-12	0.061592	0.18395	0.092246	0.04633	0.024903	0.5914	0.127458	0.00581
0.38107	0.201289	1.17E-05	0.150721	0.00109	0.30211	2.60E-11	0.110167	0.01724
5.92E-15	0.100023	0.03068	0.138856	0.00264	0.271045	2.63E-09	-0.12825	0.00551
9.37E-07	-0.08746	0.05895	-0.08505	0.06632	-0.05896	0.20347	-0.18954	3.75E-05
0.19258	0.014459	0.75531	-0.02362	0.61064	0.005594	0.90404	0.124213	0.0072
0.00029	0.110696	0.01671	0.181672	7.87E-05	0.146962	0.00145	0.114303	0.01345
6.76E-08	0.116959	0.01142	0.021803	0.63839	-0.04948	0.28593	0.263748	7.16E-09
0.03298	0.054126	0.24305	0.008534	0.85407	0.051139	0.27008	0.208952	5.27E-06
0.16205	0.233902	3.18E-07	0.07736	0.09496	0.089672	0.0528	-0.01695	0.71493
0.74481	0.075094	0.10507	0.056806	0.22047	0.108896	0.01857	0.075479	0.1033
0.51667	-0.04626	0.31853	-0.04687	0.3121	-0.03617	0.43549	-0.01437	0.75676
0.79155	-0.13058	0.00471	-0.03773	0.41596	-0.07592	0.1013	-0.00829	0.85818
0.42008	-0.07509	0.10509	0.030006	0.51773	-0.04081	0.37887	0.021493	0.64317
0.19793	-0.0109	0.81431	-0.00471	0.91908	-0.0337	0.46756	0.078481	0.09026
0.22773	0.035574	0.44312	0.019126	0.68015	0.002326	0.96002	0.019277	0.67777
0.45825	0.129729	0.00499	0.126376	0.00624	0.090741	0.05003	-0.01537	0.74049
0.15707	-0.04005	0.38783	-0.07765	0.09375	-0.1011	0.02892	0.054618	0.23879
0.46387	0.015062	0.74545	0.064429	0.16452	0.06789	0.14295	0.104188	0.02435
0.76035	0.048476	0.29585	0.037047	0.42445	0.031395	0.49853	0.065739	0.15608
0.17067	0.223222	1.10E-06	0.133263	0.00391	0.141276	0.00221	0.03174	0.49382
0.23889	0.02033	0.66124	-0.01807	0.6969	0.075659	0.10248	0.09546	0.0392
0.00797	-0.01032	0.82395	-0.06494	0.1612	-0.10509	0.02314	0.013545	0.77034
0.0124	0.08655	0.06164	0.023849	0.6072	0.04234	0.36128	0.103957	0.02467
0.15951	0.035079	0.44949	0.017974	0.69846	-0.0083	0.85806	0.048332	0.29729
0.35808	0.003368	0.94214	0.05772	0.21311	0.013243	0.77532	-0.03038	0.51255
0.55931	-0.04639	0.31709	-0.02378	0.60827	-0.0017	0.97074	0.04614	0.31976
0.97897	-0.03656	0.43058	0.001496	0.97427	-0.00583	0.89996	0.02172	0.63966
0.37028	0.199332	1.43E-05	0.009441	0.83876	0.037907	0.41377	-0.07331	0.11363
0.00149	0.053217	0.25107	0.09706	0.03601	0.037718	0.4161	0.1096	0.01782
0.66535	0.147599	0.00138	0.063292	0.17211	0.139463	0.00252	-0.06151	0.18453
0.00722	0.080491	0.08228	0.090932	0.04955	0.152466	0.00095	-0.08552	0.06481
0.25883	-0.01682	0.717	-0.08856	0.05581	-0.09013	0.05159	0.029642	0.52282



0.03355	-0.10886	0.01862	-0.08641	0.06207	-0.15218	0.00097	-0.01328	0.77471
0.06061	0.350594	5.94E-15	0.098909	0.0326	0.128907	0.00527	0.05865	0.20583
0.61934	0.051958	0.26247	0.085797	0.06395	0.085568	0.06466	0.00198	0.96595
6.91E-09	-0.03446	0.45759	-0.04211	0.36388	-0.00064	0.98895	-0.18755	4.54E-05
0.05187	-0.04717	0.30908	0.025182	0.58726	-0.05236	0.25875	0.095685	0.03874
0.08061	-0.04033	0.38453	-0.15268	0.00093	-0.08646	0.06193	0.061701	0.18317
0.41969	-0.04459	0.33636	-0.10875	0.01873	-0.08785	0.05783	-0.08765	0.05841
0.90239	-0.09432	0.04162	-0.06391	0.16798	-0.12743	0.00582	-0.01539	0.74017
0.45837	0.151208	0.00105	0.078347	0.09081	0.137886	0.00283	0.134387	0.00362
0.09195	0.032126	0.48859	-0.03556	0.44331	-0.02686	0.5626	-0.08713	0.05993
0.46982	0.003011	0.94827	0.000504	0.99133	0.108135	0.01942	-0.03698	0.42528
0.21349	0.015457	0.73901	0.040535	0.38213	-0.00766	0.86881	0.036977	0.42533
0.84991	-0.00017	0.99714	-0.03472	0.4541	-0.02301	0.61989	-0.02608	0.57396
0.19307	-0.05698	0.21905	-0.04406	0.3421	-0.07694	0.09679	-0.02934	0.52714
0.60643	0.01732	0.70891	0.052212	0.26015	0.147839	0.00136	0.017986	0.69826
0.8261	0.005912	0.89861	-0.06616	0.15342	-0.05176	0.26432	-0.05307	0.25239
0.01984	-0.02867	0.5366	-0.08341	0.07174	-0.00569	0.9024	-0.07837	0.0907
0.00026	0.141985	0.0021	0.068589	0.13887	0.044705	0.33506	0.256304	1.93E-08
0.01647	0.061861	0.18203	-0.01098	0.81297	-0.03463	0.45533	0.031055	0.50319
0.79698	-0.11693	0.01145	-0.09863	0.03309	-0.06798	0.1424	0.046196	0.31918
0.05991	0.051435	0.26731	0.011428	0.80544	0.007968	0.86364	0.098643	0.03307
0.21636	0.186885	4.83E-05	0.066961	0.14852	0.083724	0.07066	0.01566	0.73572
0.96765	0.077013	0.09646	0.040993	0.37677	0.027184	0.55789	0.07585	0.10161
0.44133	-0.05344	0.24905	-0.04007	0.38759	0.01084	0.81527	-0.09095	0.04951
0.46967	0.032275	0.48657	-0.02055	0.65774	-0.00177	0.96958	-0.02736	0.55537
0.20391	-0.01989	0.66806	-0.06893	0.13695	-0.10477	0.02356	-0.11929	0.00987
0.47908	0.017598	0.70446	0.124441	0.00709	0.087765	0.05807	0.100639	0.02967
0.14305	-0.013	0.77935	0.093109	0.04432	0.01807	0.69691	0.04699	0.31092
5.05E-05	0.063988	0.16743	0.092207	0.04642	0.016281	0.72565	0.129561	0.00504
0.93795	0.010532	0.82043	0.021234	0.64718	0.041093	0.37561	-0.02092	0.65209
0.08245	-0.10638	0.02149	-0.1192	0.00993	-0.04573	0.32404	-0.19485	2.23E-05
0.16122	-0.04187	0.36664	-0.02067	0.65595	-0.04774	0.30323	-0.03262	0.48185
0.00031	0.048039	0.30023	0.046248	0.31863	0.042879	0.3552	0.180807	8.52E-05
0.01408	0.237368	2.10E-07	0.05705	0.21848	0.050659	0.27461	0.069137	0.13574
0.27108	0.201619	1.13E-05	0.054156	0.24279	0.057177	0.21747	-0.06103	0.18802
0.00018	0.163127	0.0004	0.130674	0.00468	0.130592	0.0047	0.188648	4.08E-05
0.95513	0.005	0.91419	0.049594	0.28483	0.01245	0.78843	0.000462	0.99205
1.23E-16	0.177077	0.00012	0.058065	0.21039	0.08394	0.06994	0.251915	3.42E-08
0.03122	0.233632	3.29E-07	0.084669	0.06753	0.072827	0.11602	0.082013	0.07664
0.00678	0.166606	0.0003	0.06692	0.14877	0.061628	0.18369	0.217086	2.19E-06
0.76045	0.227916	6.43E-07	0.133727	0.00379	0.087037	0.06019	-0.03738	0.42034
0.34067	0.021502	0.64302	0.038516	0.40631	0.04904	0.29026	0.023243	0.61637
0.03127	0.096743	0.03662	0.127957	0.00562	0.087248	0.05957	0.086126	0.06293
0.01216	0.252997	2.97E-08	0.204516	8.39E-06	0.188932	3.97E-05	0.120821	0.00896
0.94526	-0.01167	0.80137	-0.05366	0.2471	-0.01535	0.74074	0.04868	0.29381

0.70474	-0.0853	0.06551	0.016101	0.72857	-0.02735	0.55552	-0.07187	0.12089
0.06013	0.279038	8.45E-10	0.135614	0.00332	0.196485	1.90E-05	0.174181	0.00015
0.16569	-0.07767	0.09364	0.016086	0.7288	-0.08244	0.07511	-0.0137	0.7677
0.02157	-0.09596	0.03817	0.076329	0.09946	-0.02737	0.55519	0.097423	0.03532
0.22642	0.005976	0.89751	0.012623	0.78557	-0.02485	0.59219	0.009866	0.83161
0.73027	0.031773	0.49337	0.03192	0.49137	0.041208	0.37427	0.046549	0.31548
0.79302	0.082069	0.07644	0.109027	0.01843	0.12806	0.00558	0.065953	0.15474
0.00774	-0.09856	0.03322	0.026476	0.56819	-0.0081	0.86138	-0.09642	0.03727
0.29202	0.037415	0.41986	0.008325	0.85761	0.001269	0.97818	0.099314	0.03189
0.24096	0.000349	0.994	0.006229	0.89321	-0.03941	0.39552	0.077155	0.09584
0.0116	0.013741	0.76711	0.032279	0.48651	-0.06736	0.1461	0.203821	9.02E-06
0.42466	0.140535	0.00233	0.096755	0.0366	0.051203	0.26948	0.056839	0.2202
0.11784	0.015889	0.732	0.000286	0.99508	-0.01816	0.69548	0.007968	0.86365
0.04678	0.109383	0.01805	0.030782	0.50696	0.133603	0.00382	0.026724	0.56457
0.32341	0.208616	5.46E-06	0.089896	0.05221	0.093257	0.04398	0.071498	0.12285
0.06275	0.125769	0.0065	0.074667	0.10707	0.035795	0.44029	0.25448	2.45E-08
4.82E-07	0.33865	5.39E-14	0.27082	2.71E-09	0.249669	4.56E-08	0.351523	4.98E-15
0.10469	0.071342	0.12367	0.073143	0.11445	0.027682	0.55069	0.090787	0.04991
0.00638	0.083577	0.07116	0.009945	0.83028	-0.00429	0.92626	0.058139	0.20981
0.17283	0.028464	0.53948	0.039048	0.39985	0.007712	0.86799	0.061024	0.18803
0.00179	0.177805	0.00011	0.247641	5.90E-08	0.180256	8.96E-05	0.190944	3.27E-05
0.65465	0.002255	0.96124	0.06743	0.14569	0.076256	0.09979	0.043381	0.34958
0.81557	0.080827	0.08101	0.00452	0.92239	0.012891	0.78113	0.050071	0.28022
0.01667	0.19064	3.37E-05	0.078039	0.09209	0.177602	0.00011	-0.04701	0.31073
0.15525	0.167985	0.00027	0.143431	0.00189	0.143596	0.00186	0.119395	0.00981
0.11672	-0.00538	0.90765	-0.03875	0.40345	-0.01872	0.68662	-0.00751	0.87135
0.00183	0.07306	0.11486	0.046546	0.31551	-0.0127	0.78436	0.05185	0.26347
0.22352	0.113361	0.01424	0.083763	0.07053	0.052617	0.25646	0.149233	0.00122
0.38573	0.082042	0.07653	0.023746	0.60876	0.06797	0.14248	0.049775	0.28308
0.17	0.006791	0.88364	0.005723	0.90183	-0.04952	0.28553	-0.03931	0.39668
0.68258	0.197278	1.75E-05	0.021247	0.64697	-0.00965	0.83519	-0.06346	0.17096
0.07446	0.354653	2.75E-15	0.237514	2.06E-07	0.261303	9.95E-09	0.092775	0.04509
0.27129	0.021664	0.64052	-0.05004	0.28054	0.029314	0.52745	0.04388	0.34406
0.7448	-0.01242	0.789	0.024662	0.595	-0.00878	0.84992	0.033303	0.47279
0.90608	-0.04236	0.36102	-0.04148	0.37116	-0.1176	0.01098	-0.11789	0.01078
0.30023	0.063496	0.17073	0.032269	0.48664	0.115926	0.01218	0.091069	0.0492
0.21619	0.295779	6.98E-11	0.023146	0.61783	0.09996	0.03079	-0.04303	0.35353
0.03422	0.011328	0.80712	0.034415	0.45813	0.023422	0.61365	0.102961	0.02608
0.88401	0.031091	0.50271	-0.05416	0.24279	-0.03499	0.45062	0.028594	0.53764
0.74941	0.041993	0.36523	0.056992	0.21895	0.061328	0.18583	0.011383	0.8062
0.1007	0.007706	0.86809	0.010286	0.82455	-0.01662	0.72021	0.089753	0.05259
0.00031	0.074357	0.10854	0.160151	0.00051	0.065212	0.15944	0.198725	1.52E-05
0.9056	0.02339	0.61413	0.065128	0.15998	0.071113	0.12488	-0.00237	0.9592
6.67E-08	-0.22886	5.76E-07	-0.12389	0.00735	-0.17615	0.00013	-0.17753	0.00011
0.16211	0.160751	0.00049	0.005153	0.91156	0.10412	0.02444	-9.89E-05	0.9983

0.8586	0.051946	0.26258	0.043874	0.34412	0.012864	0.78157	-0.01694	0.71496
0.1945	-0.01853	0.68966	0.052626	0.25638	0.087535	0.05873	0.00118	0.9797
0.99211	-0.02173	0.63958	-0.00797	0.86357	0.050132	0.27964	0.006904	0.88171
0.127	0.073108	0.11462	0.051069	0.27073	0.068731	0.13806	-0.06125	0.18636
0.23262	0.282382	5.20E-10	0.12608	0.00637	0.145872	0.00157	0.096672	0.03676
0.00017	0.137907	0.00282	-0.00342	0.94118	-0.04159	0.3698	0.11721	0.01125
0.73228	0.182796	7.09E-05	0.120282	0.00927	0.136984	0.00301	0.087424	0.05905
0.00382	0.270144	2.98E-09	0.1065	0.02134	0.026342	0.57016	0.073173	0.1143
0.02638	-0.04296	0.35423	-0.04592	0.3221	0.012497	0.78766	0.028525	0.53862
0.00038	0.24507	8.15E-08	0.237876	1.98E-07	0.199674	1.38E-05	0.308974	8.68E-12
0.30878	0.066796	0.14953	-0.03753	0.41841	-0.01736	0.70828	-0.01192	0.7973
0.01444	0.217236	2.15E-06	0.079719	0.08528	0.123421	0.00758	0.209194	5.14E-06
0.00189	-0.04931	0.28764	-0.07498	0.1056	-0.10991	0.0175	-0.0164	0.72374
0.42474	0.136289	0.00317	0.088884	0.05493	0.066309	0.15252	0.057841	0.21216
0.09199	0.078494	0.0902	0.07415	0.10953	0.032605	0.48212	0.024848	0.59223
0.00593	-0.07886	0.08869	-0.01009	0.82786	0.073858	0.11094	-0.05173	0.26458
3.13E-07	-0.08324	0.07231	-0.05328	0.25052	-0.05442	0.24046	-0.17668	0.00012
0.02334	-0.0561	0.22629	-0.07579	0.10189	-0.06346	0.17095	-0.0646	0.16342
0.55361	-0.05284	0.2544	-0.04288	0.35521	0.091116	0.04908	-0.01084	0.81533
0.00457	-0.00562	0.90352	-0.11456	0.01325	-0.02809	0.54481	-0.08593	0.06353
0.05124	0.032931	0.47775	0.102064	0.02742	0.116308	0.01189	0.092679	0.04531
2.87E-05	0.102114	0.02734	0.14599	0.00156	0.205371	7.68E-06	0.242526	1.12E-07
0.01482	-0.0959	0.03829	-0.09694	0.03625	-0.19171	3.04E-05	0.035243	0.44738
0.73755	0.033443	0.47093	-0.06556	0.1572	-0.11153	0.0159	0.160526	0.0005
2.32E-05	0.136877	0.00304	0.151815	0.001	0.080423	0.08254	0.055074	0.23489
0.9899	0.057562	0.21437	0.055214	0.23369	0.087271	0.0595	0.05143	0.26736
0.8055	-0.28456	3.78E-10	-0.00181	0.96882	-0.13541	0.00337	-0.08689	0.06063
0.82165	0.069066	0.13614	0.138459	0.00271	0.113084	0.01448	0.126222	0.00631
4.34E-06	-0.02969	0.5222	-0.12854	0.00541	0.027455	0.55396	-0.06552	0.15748
0.05755	0.302923	2.29E-11	0.102094	0.02737	0.217284	2.14E-06	0.147262	0.00142
0.04128	-0.0012	0.97942	0.069374	0.1344	0.057097	0.21811	0.045019	0.33167
2.37E-10	-0.15615	0.00071	-0.09949	0.03159	0.013989	0.76302	-0.1676	0.00027
2.50E-11	-0.24584	7.40E-08	0.010846	0.81518	0.020455	0.65929	-0.09155	0.04801
0.80644	-0.08134	0.0791	0.028446	0.53975	-0.00498	0.91447	0.001382	0.97624
0.11511	-0.03956	0.39372	0.063367	0.1716	0.043822	0.3447	0.138792	0.00265
0.11542	0.041154	0.3749	0.022089	0.63399	-0.01184	0.79859	0.083142	0.07265
0.17278	0.001109	0.98094	-0.00784	0.86574	-0.00259	0.95541	0.012179	0.79293
1.14E-06	-0.01994	0.66736	-0.04229	0.3618	0.101838	0.02777	-0.0552	0.23381
5.69E-08	0.009171	0.84331	-0.02372	0.60917	-0.08314	0.07267	0.279295	8.14E-10
0.0021	-0.14873	0.00127	-0.01532	0.74129	-0.01007	0.82823	-0.12136	0.00866
0.87449	-0.05353	0.24826	-0.03054	0.51029	-0.09048	0.0507	0.296019	6.72E-11
7.45E-05	0.149649	0.00118	0.157009	0.00066	0.080688	0.08153	0.063971	0.16754
1.09E-05	0.153747	0.00086	-0.02843	0.53998	0.009924	0.83063	0.154373	0.00082
0.70264	-0.01119	0.80937	0.047487	0.30582	0.052577	0.25682	0.060243	0.19375
0.10252	-0.05013	0.27963	0.010866	0.81483	0.017404	0.70757	0.111483	0.01594

0.35263	-0.02376	0.60848	0.181807	7.77E-05	0.118686	0.01026	-0.07513	0.10491
3.57E-07	0.085506	0.06486	0.274198	1.69E-09	0.189255	3.85E-05	0.0123	0.79093
0.14844	0.086451	0.06194	0.095274	0.03958	0.025968	0.57564	0.101103	0.02892
5.14E-13	0.044232	0.3402	0.091284	0.04867	0.311299	5.95E-12	-0.02273	0.62412
0.01227	-0.04675	0.31342	-0.1156	0.01243	-0.08942	0.05347	0.009675	0.83481
0.03474	-0.11597	0.01214	-0.16216	0.00043	-0.13724	0.00296	-0.10461	0.02378
0.07221	-0.19593	2.01E-05	-0.24713	6.29E-08	-0.21302	3.41E-06	-0.15981	0.00053
1.11E-05	-0.26303	7.89E-09	-0.23775	2.01E-07	-0.21923	1.73E-06	-0.27257	2.12E-09
1.75E-14	-0.0856	0.06458	-0.07595	0.10114	0.083188	0.07249	-0.19779	1.67E-05
0.00016	-0.33182	1.83E-13	-0.33644	8.03E-14	-0.29322	1.03E-10	-0.30843	9.48E-12
3.47E-06	-0.20576	7.37E-06	-0.13914	0.00258	-0.12125	0.00872	-0.17606	0.00013
1.22E-09	-0.08127	0.07935	-0.05082	0.27308	0.125525	0.00661	-0.15048	0.00111
0.75792	-0.22149	1.34E-06	-0.35887	1.22E-15	-0.29513	7.71E-11	-0.0965	0.03709
0.03127	-0.18488	5.84E-05	-0.30303	2.25E-11	-0.2552	2.23E-08	-0.04044	0.3832
0.16427	-0.16316	0.0004	-0.25587	2.04E-08	-0.2221	1.25E-06	-0.03481	0.45304
0.38825	-0.08826	0.05667	-0.2337	3.26E-07	-0.19244	2.83E-05	-0.07761	0.09387
0.06098	0.047611	0.30456	0.113648	0.014	-0.01113	0.81036	-0.06789	0.14296
0.11408	0.138558	0.00269	0.088936	0.05478	-1.04E-05	0.99982	-0.11252	0.01498
0.24922	0.112436	0.01506	0.003219	0.94469	-0.02383	0.60743	0.073812	0.11116
0.25699	-0.00239	0.95894	-0.05305	0.25254	-0.0271	0.55917	0.092035	0.04684
6.47E-07	0.190893	3.29E-05	0.097818	0.03458	0.249558	4.62E-08	0.067366	0.14607
0.00153	0.116651	0.01165	0.139039	0.0026	0.167278	0.00028	-0.00587	0.89938
6.54E-09	0.282178	5.36E-10	0.291311	1.38E-10	0.27937	8.06E-10	0.139187	0.00257
0.02141	-0.02203	0.63491	-0.02215	0.63306	0.017342	0.70856	0.036977	0.42533
0.00037	0.033877	0.46518	0.200067	1.32E-05	0.417245	4.26E-21	0.117458	0.01108
5.27E-06	-0.13986	0.00245	0.056836	0.22022	-0.18138	8.08E-05	0.055456	0.23165
2.13E-15	-0.01327	0.77487	-0.00238	0.95905	0.109443	0.01799	-0.24001	1.52E-07
0.00014	0.289091	1.93E-10	-0.01952	0.67387	0.050179	0.27919	-0.10504	0.02321
4.69E-05	-0.01872	0.68651	0.018418	0.69138	0.035971	0.43804	-0.05577	0.22901
4.40E-07	0.260455	1.11E-08	0.22249	1.20E-06	0.134904	0.00349	0.373206	7.01E-17
0.06634	0.290386	1.59E-10	0.15766	0.00063	0.162673	0.00042	0.150814	0.00108
0.00071	-0.02297	0.62055	0.009432	0.83892	0.126277	0.00629	-0.06312	0.17326
0.6217	-0.24969	4.55E-08	-0.25418	2.55E-08	-0.32609	4.96E-13	0.007512	0.87138
0.14786	0.091592	0.04791	0.040367	0.3841	0.040934	0.37746	0.156686	0.00068
6.28E-07	-0.26848	3.75E-09	-0.15533	0.00076	-0.25718	1.72E-08	-0.04707	0.31009
2.43E-07	0.017447	0.70688	0.036446	0.43201	0.146022	0.00156	-0.04904	0.29029
0.05415	-0.28668	2.76E-10	-0.19314	2.64E-05	-0.21342	3.27E-06	-0.1043	0.02419
6.69E-15	0.154876	0.00078	0.280884	6.47E-10	0.182311	7.42E-05	0.20649	6.83E-06
0.01818	0.088329	0.05647	0.066914	0.1488	0.083279	0.07218	0.096934	0.03625
0.45041	0.082456	0.07505	0.050283	0.27819	0.14685	0.00146	0.068583	0.13891
0.83765	0.056437	0.22349	0.052674	0.25594	0.122203	0.0082	0.073329	0.11353
0.25405	0.166153	0.00031	0.093559	0.0433	0.173602	0.00016	0.01319	0.7762
0.04397	-0.01252	0.78734	-0.00913	0.84399	0.016177	0.72734	-0.02779	0.54914
0.01309	-0.02669	0.56508	-0.00323	0.94447	0.008624	0.85255	-0.04654	0.31556
0.00028	0.032338	0.48572	0.030345	0.51302	0.002463	0.95767	0.028575	0.5379

0.30837	0.017086	0.71268	-0.04937	0.28699	-0.00136	0.97663	0.045532	0.32619
0.47181	0.054699	0.23809	0.053686	0.24691	0.116012	0.01211	0.101133	0.02887
0.00631	0.159738	0.00053	-0.06156	0.18417	0.114767	0.01308	0.122623	0.00798
2.35E-08	0.290817	1.49E-10	0.249233	4.82E-08	0.103393	0.02546	0.216452	2.35E-06
2.04E-06	0.062078	0.1805	0.069053	0.13621	0.208108	5.76E-06	0.038892	0.40173
7.39E-07	0.135551	0.00334	0.127358	0.00585	0.264053	6.87E-09	-0.08381	0.07038
1.61E-07	0.268228	3.88E-09	0.184643	5.97E-05	0.388297	2.96E-18	0.086585	0.06154
0.02897	0.132092	0.00424	0.065758	0.15597	0.140525	0.00234	0.188183	4.27E-05
2.36E-18	0.050408	0.27699	-0.02768	0.55067	0.048425	0.29635	-0.1974	1.73E-05
4.96E-11	0.141223	0.00222	0.14497	0.00168	0.121663	0.00849	0.270437	2.86E-09
4.14E-05	0.02741	0.55461	0.067458	0.14552	0.136545	0.00311	-0.04125	0.37379
0.73812	0.072188	0.11927	0.030975	0.5043	0.090845	0.04977	0.118636	0.01029
0.70781	0.09016	0.05152	-0.00609	0.89557	0.099218	0.03206	0.141974	0.0021
0.19031	0.018917	0.68346	0.121067	0.00882	0.06265	0.17651	0.070233	0.12963
0.14559	0.19687	1.83E-05	0.163948	0.00037	0.258041	1.54E-08	0.338715	5.33E-14
2.88E-21	0.015954	0.73094	-0.0677	0.14405	-0.01225	0.79181	-0.09316	0.04421
0.65645	-0.09874	0.0329	-0.18075	8.56E-05	-0.12456	0.00704	-0.01938	0.67619
0.0004	-0.24605	7.21E-08	-0.21818	1.94E-06	-0.30469	1.73E-11	-0.12666	0.00613
0.00045	-0.25803	1.54E-08	-0.11998	0.00946	-0.10737	0.0203	-0.09814	0.03399
0.05398	0.094869	0.04044	0.155678	0.00074	0.129729	0.00499	0.149307	0.00121
0.08052	0.069214	0.1353	0.107074	0.02065	0.198532	1.55E-05	-0.01607	0.72909
0.00265	-0.03824	0.40974	0.023745	0.60877	0.08021	0.08336	0.008736	0.85066
0.06292	0.25169	3.52E-08	0.291287	1.38E-10	0.2986	4.51E-11	0.204929	8.04E-06
2.82E-20	0.036029	0.4373	0.076394	0.09917	-0.08423	0.06899	0.158219	0.0006
0.21482	0.043581	0.34736	-0.12048	0.00916	-0.1512	0.00105	-0.0191	0.6806
0.07215	0.001912	0.96713	-0.06468	0.16285	0.03226	0.48677	0.073782	0.11131
0.9767	0.135357	0.00338	0.078626	0.08966	0.16203	0.00044	0.074924	0.10586
0.07305	0.372564	7.99E-17	0.11246	0.01504	0.095506	0.03911	-0.00126	0.97831
3.78E-06	0.111361	0.01606	0.138624	0.00268	0.365143	3.55E-16	0.037513	0.41865
0.00029	0.067155	0.14734	0.107141	0.02057	0.004531	0.92221	0.085826	0.06386
2.49E-10	-0.17823	0.00011	-0.13221	0.00421	-0.08703	0.06021	-0.33455	1.13E-13
3.73E-07	-0.22848	6.03E-07	-0.12595	0.00642	-0.13451	0.00359	-0.0719	0.12075
0.15433	0.02657	0.56682	0.164631	0.00035	0.116217	0.01196	0.1954	2.12E-05
0.36402	0.041294	0.37327	0.039387	0.39577	0.15906	0.00056	0.057059	0.21841
0.03015	-0.00122	0.97905	0.041707	0.36851	0.098722	0.03293	0.159435	0.00054
0.59302	0.252102	3.34E-08	0.170535	0.00021	0.28837	2.15E-10	0.228698	5.87E-07
2.11E-11	0.164805	0.00035	0.186754	4.89E-05	0.260972	1.04E-08	0.121915	0.00835
0.18506	0.197078	1.79E-05	0.214599	2.87E-06	0.341955	2.96E-14	0.09051	0.05062
0.03695	-0.20017	1.31E-05	-0.22386	1.02E-06	-0.17522	0.00014	-0.04616	0.31959
0.86884	-0.01806	0.6971	-0.00786	0.86541	0.026402	0.56927	0.00617	0.89421
0.49005	-0.05467	0.23837	-0.02026	0.66234	-0.01903	0.68164	0.004807	0.91749
0.00014	0.236371	2.37E-07	0.200341	1.29E-05	0.110076	0.01733	0.209811	4.81E-06
0.00012	-0.11836	0.01047	0.094529	0.04116	-0.0928	0.04503	0.180641	8.65E-05
0.86055	0.0765	0.0987	-0.03593	0.43853	0.146057	0.00155	0.051212	0.2694
0.00014	-0.00237	0.95932	0.191086	3.23E-05	0.189103	3.91E-05	0.026885	0.56222

0.59264	0.100777	0.02944	0.043548	0.34772	0.110753	0.01665	0.049322	0.28748
0.36037	0.074598	0.1074	0.108999	0.01846	0.069759	0.13225	0.064614	0.16331
0.8983	0.237237	2.13E-07	0.17031	0.00022	0.15403	0.00084	0.145631	0.0016
0.05767	0.051317	0.26841	0.031609	0.4956	-0.01959	0.67277	0.102611	0.0266
0.00023	-0.22295	1.14E-06	-0.26529	5.81E-09	-0.32591	5.12E-13	-0.06085	0.18931
0.28675	0.030136	0.51592	0.001755	0.96983	0.002375	0.95917	-0.0087	0.8512
5.57E-05	-0.06533	0.15867	-0.07948	0.08621	-0.12683	0.00606	0.142227	0.00206
1.41E-09	-0.05662	0.22201	-0.00945	0.83858	-0.08274	0.07406	0.136511	0.00312
0.63901	-0.0566	0.22214	-0.01417	0.76003	-0.02767	0.55087	-0.07178	0.12138
1.70E-16	-0.07939	0.08658	-0.16218	0.00043	-0.24589	7.35E-08	0.047107	0.30971
0.01848	0.096062	0.03797	0.087683	0.0583	0.111058	0.01635	0.142319	0.00205
0.00281	-0.04975	0.2833	-0.02496	0.59062	-0.04954	0.28534	0.138946	0.00262
0.2932	-0.01901	0.68203	-0.04183	0.36707	-0.03697	0.42547	0.055367	0.2324
0.29466	-0.02594	0.57599	-0.04283	0.35574	0.000416	0.99285	0.080867	0.08086
5.39E-08	-0.02736	0.5553	0.012623	0.78557	-0.02184	0.63788	0.196724	1.85E-05
0.00259	-0.19283	2.73E-05	-0.22752	6.74E-07	-0.12715	0.00593	-0.24723	6.21E-08
0.02403	0.275648	1.37E-09	0.272025	2.29E-09	0.353072	3.71E-15	0.242105	1.18E-07
0.01895	0.036033	0.43725	-0.01794	0.69903	0.185253	5.64E-05	-0.13208	0.00425
0.00158	-0.18689	4.83E-05	-0.1176	0.01098	-0.2121	3.76E-06	0.022854	0.62228
0.00031	0.386923	3.98E-18	0.247868	5.73E-08	0.235496	2.63E-07	0.216662	2.29E-06
0.15697	0.069358	0.13449	0.086112	0.06297	0.152955	0.00091	0.040056	0.38778
0.02331	-0.09629	0.03752	-0.12597	0.00641	-0.04847	0.2959	-0.14066	0.00231
0.16153	0.035069	0.44962	0.039371	0.39596	0.012348	0.79014	0.246995	6.40E-08
0.05744	-0.07084	0.12633	0.013207	0.77591	0.003622	0.93779	0.014518	0.75434
0.0004	0.070563	0.12783	0.13341	0.00387	0.242425	1.13E-07	-0.06365	0.16968
0.00745	0.431936	1.20E-22	0.264622	6.36E-09	0.334041	1.23E-13	0.026237	0.57169
0.63706	-0.11453	0.01327	-0.29728	5.53E-11	-0.25774	1.60E-08	-0.20558	7.51E-06
0.71091	0.027097	0.55914	0.000606	0.98959	-0.01825	0.69404	0.168805	0.00025
0.56014	0.134338	0.00363	0.078642	0.0896	0.094428	0.04138	0.074864	0.10615
0.00238	0.025646	0.58039	-0.03145	0.49782	-0.01668	0.71915	0.135739	0.00329
0.85648	0.028331	0.54138	0.033309	0.4727	0.040852	0.37842	0.15125	0.00104
0.56106	0.057486	0.21498	0.086572	0.06158	0.0832	0.07245	0.051272	0.26883
0.00386	-0.05193	0.26274	-0.05906	0.20263	-0.06716	0.14733	0.081384	0.07893
2.32E-07	0.197421	1.73E-05	0.085789	0.06397	0.059374	0.20028	0.20701	6.47E-06
1.63E-13	0.29082	1.49E-10	0.332318	1.67E-13	0.246221	7.05E-08	0.280416	6.93E-10
2.86E-05	0.12912	0.0052	0.177993	0.00011	0.359674	1.04E-15	-0.0216	0.64145
1.41E-08	0.203235	9.58E-06	0.053769	0.24617	0.126446	0.00622	0.208291	5.65E-06
0.18746	0.099479	0.03161	-0.11165	0.01579	-0.02228	0.63107	-0.01081	0.81581
0.01532	-0.08803	0.0573	0.032912	0.478	-0.06059	0.19117	0.01977	0.67001
0.35352	-0.12344	0.00757	-0.0872	0.0597	-0.15941	0.00054	-0.10553	0.02256
0.26494	0.233088	3.51E-07	0.200952	1.21E-05	0.30363	2.04E-11	0.14334	0.0019
0.07667	0.102281	0.02709	0.037027	0.4247	-0.05589	0.22799	-0.08759	0.05856
0.1151	0.27986	7.51E-10	0.113359	0.01424	0.091759	0.0475	-0.06767	0.14428
4.54E-06	0.092663	0.04535	-0.02378	0.60824	0.04741	0.30661	-0.06533	0.15866
0.00165	0.122705	0.00794	-0.02941	0.52607	0.040717	0.38	-0.00662	0.8866

0.99855	0.091542	0.04803	0.174104	0.00016	0.205373	7.68E-06	0.031715	0.49416
0.85982	0.070375	0.12886	0.088186	0.05687	0.167645	0.00027	0.122169	0.00822
0.00232	-0.17724	0.00012	-0.28261	5.03E-10	-0.24399	9.32E-08	-0.16916	0.00024
0.05004	-0.01986	0.66862	0.018293	0.69337	0.013557	0.77013	0.017833	0.7007
0.71306	0.052676	0.25593	0.146775	0.00147	0.091682	0.04769	-0.05495	0.2359
7.24E-06	0.038833	0.40245	-0.03944	0.39515	0.062314	0.17884	-0.16657	0.0003
0.4805	0.091803	0.0474	0.092897	0.0448	0.090207	0.0514	0.095478	0.03916
0.34692	0.080355	0.0828	0.077914	0.09261	0.065594	0.157	0.149184	0.00122
0.00187	0.019094	0.68067	-0.0554	0.2321	-0.00167	0.97127	-0.0694	0.13426
6.51E-06	-0.06925	0.13507	-0.06616	0.15347	-0.13185	0.00432	-0.06264	0.17657
0.18151	0.110086	0.01732	0.074425	0.10822	0.134081	0.0037	0.156231	0.0007
0.61778	0.023251	0.61624	0.004703	0.91926	0.026866	0.56251	0.030155	0.51565
6.70E-06	-0.11421	0.01353	-0.00537	0.90793	0.0036	0.93816	0.146688	0.00148
0.50956	0.067378	0.146	0.126897	0.00603	0.174371	0.00015	0.113034	0.01453
0.7248	0.121589	0.00853	0.119532	0.00973	0.137175	0.00297	0.162241	0.00043
0.92925	-0.06453	0.16384	-0.18655	4.99E-05	-0.22307	1.12E-06	-0.15875	0.00057
0.00681	0.045828	0.32304	-0.06839	0.14003	-0.03708	0.42401	-0.03776	0.41553
0.00013	0.057811	0.21239	0.152111	0.00098	0.148489	0.00129	0.239153	1.69E-07
0.00077	-0.05323	0.25094	0.139963	0.00243	0.033052	0.47613	0.070367	0.1289
0.06023	-0.02104	0.65018	0.014558	0.7537	-0.06002	0.19543	0.069279	0.13494
0.37705	0.008867	0.84845	0.030799	0.50673	0.05201	0.26199	0.103477	0.02534
0.36046	0.005564	0.90454	-0.0533	0.25036	-0.03526	0.44719	0.05901	0.20305
0.02509	0.020983	0.65107	-0.02252	0.6274	0.077011	0.09647	-0.03678	0.42777
0.83111	-0.00795	0.86394	0.188796	4.03E-05	0.256859	1.80E-08	-0.02206	0.6345
0.39758	0.097092	0.03595	0.123473	0.00755	0.03484	0.45259	-0.06302	0.17396
0.15931	0.140579	0.00233	0.119845	0.00953	0.132135	0.00423	0.024797	0.59298
0.4385	0.07892	0.08846	0.201384	1.16E-05	0.122468	0.00806	0.193162	2.64E-05
0.00043	-0.11318	0.0144	0.009078	0.84487	0.006042	0.8964	-0.03096	0.50456
8.17E-05	-0.02429	0.60056	0.017157	0.71153	0.066213	0.15312	-0.02907	0.53082
0.1556	0.080248	0.08322	-0.06404	0.16708	-0.01925	0.67822	-0.08172	0.07771
0.02134	0.09084	0.04978	0.091265	0.04871	0.230238	4.91E-07	0.067031	0.14809
0.19855	0.137867	0.00283	0.137643	0.00288	0.138412	0.00272	0.063218	0.17261
0.05467	-0.12008	0.00939	-0.08198	0.07677	-0.09586	0.03837	-0.0094	0.83938
0.84354	0.031958	0.49086	-0.04742	0.30652	0.022798	0.62314	-0.01	0.8293
0.15519	0.065791	0.15576	0.049025	0.2904	0.080792	0.08114	0.019075	0.68096
0.01324	0.134395	0.00362	0.064537	0.16381	0.105336	0.02281	0.180892	8.46E-05
0.28996	0.088814	0.05512	0.018131	0.69595	0.199094	1.46E-05	0.082676	0.07427
9.44E-26	-0.07156	0.12251	-0.1335	0.00385	0.041137	0.37509	-0.28252	5.10E-10
2.10E-11	-0.19829	1.59E-05	-0.15672	0.00068	-0.23012	4.98E-07	-0.16565	0.00032
0.50763	-0.10707	0.02066	-0.16026	0.00051	-0.0841	0.06942	0.077244	0.09546
0.42496	0.026883	0.56225	-0.07067	0.12728	0.054026	0.24392	0.058847	0.20431
0.00129	0.049707	0.28374	0.099498	0.03158	0.166297	0.00031	-0.10265	0.02655
0.78283	0.120692	0.00903	0.158554	0.00058	0.137979	0.00281	0.055979	0.22727
0.03074	0.064986	0.16089	-0.03126	0.50037	0.193434	2.57E-05	0.122607	0.00799
0.94969	0.098357	0.03359	-0.11923	0.00991	-0.04229	0.3619	-0.00659	0.88707

2.56E-12	0.112745	0.01478	0.147596	0.00138	0.041354	0.37258	0.261665	9.48E-09
0.17511	-0.08374	0.0706	-0.03187	0.49201	-0.0604	0.19261	0.146646	0.00148
9.33E-05	-0.07855	0.08998	-0.10802	0.01954	0.046247	0.31863	-0.17692	0.00012
0.00125	0.233914	3.18E-07	0.098456	0.03341	0.17989	9.27E-05	0.137571	0.00289
0.01449	0.240817	1.38E-07	0.143556	0.00187	0.115165	0.01276	0.23568	2.57E-07
0.00015	0.263197	7.71E-09	0.326578	4.56E-13	0.306007	1.40E-11	0.130364	0.00478
0.2175	0.145613	0.0016	-0.01286	0.78169	0.121216	0.00874	-0.01048	0.82125
0.44609	0.02065	0.65625	-0.04089	0.37801	0.074306	0.10878	0.037106	0.42371
0.00035	-0.10053	0.02985	-0.08663	0.06139	-0.05541	0.23204	-0.0923	0.04621
5.24E-07	0.076274	0.09971	-0.09859	0.03316	0.034586	0.45589	-0.15307	0.0009
0.04938	-0.04002	0.38819	0.019916	0.66772	0.029272	0.52803	-0.00538	0.90776
0.15379	0.076498	0.09871	0.110034	0.01737	0.075988	0.10099	0.093615	0.04317
0.11055	-0.01933	0.67699	-0.05534	0.23261	0.044425	0.3381	0.044239	0.34013
0.02703	0.034791	0.45323	-0.14672	0.00148	0.087683	0.0583	-0.04892	0.29143
2.06E-25	0.159287	0.00055	0.186311	5.10E-05	0.090702	0.05013	0.253782	2.68E-08
0.64199	0.118852	0.01015	0.14544	0.00163	0.179697	9.43E-05	0.123829	0.00738
0.00011	-0.09477	0.04065	0.056826	0.22031	-0.04263	0.35805	0.012909	0.78083
8.65E-08	-0.38695	3.95E-18	-0.28918	1.90E-10	-0.27464	1.58E-09	-0.32863	3.19E-13
0.00723	-0.03211	0.48877	-0.09626	0.03758	-0.01526	0.74216	-0.00694	0.88109
0.3754	-0.02929	0.52777	0.015398	0.73998	0.01067	0.81811	0.12951	0.00506
0.08102	0.112025	0.01543	-0.01889	0.68386	0.053251	0.25076	-0.12502	0.00683
0.03711	0.138129	0.00278	-0.02688	0.56234	0.065403	0.15821	-0.06385	0.16837
0.02654	0.104605	0.02378	0.123413	0.00758	0.109679	0.01774	0.050357	0.27748
0.27935	-0.24923	4.82E-08	-0.30538	1.55E-11	-0.36863	1.77E-16	-0.12848	0.00542
5.04E-05	-0.10414	0.02441	-0.17552	0.00014	-0.09565	0.03881	-0.10434	0.02414
0.99409	0.054169	0.24268	-0.00076	0.987	0.182423	7.34E-05	0.036077	0.43669
0.04382	0.327727	3.73E-13	0.017622	0.70408	0.116672	0.01163	-0.02992	0.51898
0.09142	0.090939	0.04953	0.125669	0.00654	0.14439	0.00176	0.008504	0.85457
0.00529	0.020093	0.66494	0.022812	0.62293	0.117507	0.01104	-0.0885	0.05598
9.44E-10	-0.03937	0.39601	0.062732	0.17594	-0.03036	0.51281	0.106622	0.02119
0.03091	0.192245	2.88E-05	0.266279	5.07E-09	0.238169	1.91E-07	0.195766	2.04E-05
0.31732	-0.01999	0.66654	0.13798	0.00281	0.127728	0.00571	0.063296	0.17208
0.42678	0.040618	0.38116	0.188761	4.04E-05	0.148887	0.00125	0.063459	0.17098
0.00209	0.23549	2.63E-07	0.047879	0.30184	0.037157	0.42308	0.012869	0.78149
0.08981	0.359851	1.01E-15	0.153352	0.00088	0.173537	0.00016	-0.00225	0.96138
0.0027	0.312494	4.89E-12	0.0875	0.05883	0.071176	0.12455	0.225599	8.40E-07
0.06771	0.100241	0.03032	0.038559	0.40578	-0.04873	0.29331	0.000905	0.98444
4.17E-14	-0.05372	0.24665	-0.10869	0.0188	-0.03694	0.42577	-0.23215	3.92E-07
0.14466	-0.00183	0.96854	-0.1102	0.0172	-0.12676	0.00609	-0.02224	0.63165
0.00212	-0.10101	0.02906	-0.10341	0.02544	-0.09967	0.03127	-0.10155	0.02821
0.13858	-0.08483	0.06703	-0.04229	0.36186	-0.08923	0.05397	-0.00899	0.84634
0.75996	0.074453	0.10809	0.025151	0.58772	-0.0042	0.92785	0.086117	0.06296
0.45012	0.199337	1.43E-05	0.20293	9.89E-06	0.249818	4.47E-08	0.210623	4.41E-06
0.09905	0.121281	0.0087	0.086908	0.06057	0.13301	0.00398	0.116911	0.01146
3.89E-05	0.023776	0.6083	0.058462	0.20729	0.051424	0.26742	0.029138	0.52992



0.00988	0.314077	3.77E-12	0.282011	5.49E-10	0.281439	5.97E-10	0.237121	2.16E-07
0.03023	-0.06	0.19559	-0.09469	0.04081	-0.12438	0.00712	0.048638	0.29424
1.51E-16	-0.1111	0.01631	-0.0724	0.11821	-0.03331	0.47264	-0.09431	0.04164
0.00125	0.132666	0.00408	-0.01171	0.80078	0.062314	0.17885	0.08953	0.05318
4.61E-08	-0.20187	1.10E-05	-0.00251	0.95678	0.007275	0.87541	-0.16483	0.00035
7.21E-06	-0.07529	0.10415	-0.11597	0.01215	-0.07831	0.09097	-0.15665	0.00068
0.00476	0.210435	4.50E-06	0.197737	1.68E-05	0.265145	5.92E-09	0.236876	2.23E-07
9.08E-05	0.236363	2.37E-07	0.070977	0.12561	0.163534	0.00039	-0.03908	0.39949
0.91985	0.121102	0.0088	0.098062	0.03413	0.096603	0.0369	0.102098	0.02737
2.24E-05	0.097017	0.03609	0.1689	0.00025	0.112092	0.01537	0.200798	1.23E-05
7.36E-05	-0.12223	0.00818	-0.19917	1.45E-05	-0.13067	0.00468	-0.11696	0.01142
0.00012	-0.00398	0.93168	0.030349	0.51296	0.117744	0.01088	0.046974	0.31108
0.73047	0.097915	0.0344	0.06848	0.13951	0.166681	0.0003	0.058503	0.20696
4.13E-05	-0.00605	0.89627	-0.07029	0.12931	-0.01196	0.79665	-0.0853	0.06549
0.00846	-0.3358	9.00E-14	-0.13285	0.00403	-0.28897	1.96E-10	-0.05804	0.21058
1.14E-18	0.064532	0.16384	0.040523	0.38227	-0.04264	0.35786	0.187072	4.75E-05
1.10E-07	0.192208	2.89E-05	0.146957	0.00145	0.062412	0.17816	0.156547	0.00069
5.93E-10	-0.18501	5.77E-05	-0.05178	0.26407	-0.02685	0.56267	-0.14963	0.00118
4.40E-10	0.215458	2.62E-06	0.146915	0.00145	0.140838	0.00228	0.109129	0.01832
0.40009	-0.40134	1.68E-19	-0.26877	3.60E-09	-0.28387	4.19E-10	-0.17496	0.00014
0.00014	0.125833	0.00647	-0.00567	0.90267	0.061988	0.18114	0.045629	0.32516
0.00521	0.133252	0.00392	0.07555	0.10297	0.170479	0.00021	0.045756	0.3238
0.64872	-0.19469	2.27E-05	-0.13292	0.00401	-0.23667	2.29E-07	-3.93E-05	0.99932
0.07472	0.104694	0.02366	0.046864	0.31222	0.099946	0.03081	0.145707	0.00159
0.00836	-0.04493	0.33264	0.035317	0.44641	0.016387	0.72394	-0.10199	0.02753
0.03529	-0.08436	0.06854	0.008478	0.85501	-0.00769	0.86831	-0.01253	0.78711
5.40E-16	-0.13076	0.00465	-0.13934	0.00255	-0.03912	0.39897	-0.26055	1.10E-08
0.661	0.022654	0.62533	-0.0496	0.28476	0.009822	0.83234	-0.06182	0.18229
1.18E-05	0.007792	0.86663	-0.13181	0.00433	0.070864	0.12621	-0.11023	0.01717
1.08E-09	0.121179	0.00876	0.050142	0.27954	0.001242	0.97865	0.232775	3.64E-07
0.10849	0.065754	0.15599	-0.04823	0.29826	0.068795	0.13769	0.049792	0.28291
0.57076	-0.00852	0.85434	0.136668	0.00308	0.079423	0.08645	0.03046	0.51142
0.79659	-0.28986	1.72E-10	-0.18811	4.30E-05	-0.23713	2.16E-07	-0.12278	0.0079
1.67E-08	-0.02066	0.65607	-0.02918	0.52939	0.075914	0.10132	-0.09294	0.04471
0.07135	0.2779	9.95E-10	0.22553	8.47E-07	0.279272	8.17E-10	0.166621	0.0003
0.61351	0.178213	0.00011	0.065001	0.16079	0.085815	0.06389	0.067096	0.1477
0.15108	-0.00641	0.89005	-0.0256	0.58099	0.018716	0.68665	0.239491	1.62E-07
0.00013	-0.18622	5.15E-05	-0.1482	0.00132	-0.08599	0.06336	-0.08683	0.06079
2.78E-14	0.05986	0.19661	0.061061	0.18776	0.17498	0.00014	-0.01151	0.80402
1.15E-08	-0.08812	0.05707	-0.10159	0.02814	0.055279	0.23315	-0.12233	0.00814
0.84079	-0.08732	0.05936	-0.1145	0.01329	-0.05467	0.2383	-0.02926	0.52824
0.29091	0.117022	0.01138	0.151124	0.00105	0.116668	0.01163	0.120598	0.00909
0.96167	0.023432	0.61349	0.019355	0.67655	-0.00708	0.87878	-0.03385	0.46559
1.34E-09	0.071408	0.12332	0.125317	0.0067	0.256711	1.83E-08	0.002984	0.94873
3.38E-07	0.076843	0.0972	-0.00113	0.98064	0.196291	1.94E-05	-0.09514	0.03987

0.00136	0.196945	1.81E-05	0.146022	0.00156	0.339459	4.66E-14	0.118491	0.01038
0.21684	0.060092	0.19488	-0.00748	0.87187	0.05367	0.24705	0.162596	0.00042
0.03343	-0.1013	0.02861	-0.01958	0.67295	-0.07229	0.11873	0.061947	0.18143
0.00276	0.017433	0.70711	0.035003	0.45047	0.099173	0.03214	-0.06464	0.16312
0.05781	0.115164	0.01276	0.123859	0.00737	0.15714	0.00065	0.144438	0.00175
1.12E-08	-0.15116	0.00105	-0.06991	0.13139	-0.08439	0.06844	-0.11958	0.0097
0.00297	-0.12903	0.00523	-0.00038	0.99353	0.008406	0.85623	-0.11472	0.01311
1.06E-07	0.075095	0.10507	0.021914	0.63668	0.344441	1.87E-14	-0.00214	0.96315
1.37E-15	0.070792	0.1266	0.062252	0.17928	-0.0623	0.17895	0.199231	1.44E-05
0.51261	0.038374	0.40804	0.011126	0.81049	0.052162	0.2606	0.031082	0.50283
0.00431	0.144052	0.0018	0.102424	0.02688	0.188766	4.04E-05	0.201771	1.11E-05
0.57956	0.071766	0.12145	0.054561	0.23928	0.077716	0.09345	0.160352	0.0005
0.00055	0.262157	8.87E-09	0.153604	0.00087	0.201525	1.14E-05	0.33457	1.12E-13
0.1391	0.028574	0.53791	0.035744	0.44094	0.095949	0.0382	0.071466	0.12302
0.02106	0.276016	1.30E-09	0.0532	0.25122	0.333891	1.26E-13	-0.00514	0.91176
0.00055	-0.1453	0.00164	-0.17898	0.0001	-0.13616	0.0032	-0.13297	0.00399
9.18E-07	0.120382	0.00921	0.09062	0.05034	0.072234	0.11903	0.248694	5.16E-08
0.79254	0.138417	0.00272	0.225692	8.31E-07	0.2328	3.63E-07	0.198796	1.51E-05
0.00312	0.034056	0.46283	0.060499	0.19186	0.029684	0.52224	0.225277	8.72E-07
0.00176	0.228967	5.69E-07	0.044468	0.33763	0.136516	0.00312	0.010883	0.81456
0.00061	0.248836	5.07E-08	0.113529	0.0141	0.138749	0.00266	0.200451	1.27E-05
0.10455	0.000971	0.9833	0.001098	0.98113	-0.04065	0.38072	0.007412	0.87308
0.4305	0.130245	0.00482	0.124175	0.00722	0.136557	0.00311	0.122348	0.00812
0.82379	0.183475	6.66E-05	0.080096	0.0838	0.291011	1.44E-10	0.165132	0.00034
2.15E-06	0.290405	1.58E-10	0.217488	2.09E-06	0.262605	8.35E-09	0.247228	6.21E-08
0.61668	0.197331	1.75E-05	0.05153	0.26642	0.203902	8.94E-06	0.089229	0.05399
3.46E-05	-0.00873	0.85082	0.049188	0.2888	0.099586	0.03142	0.016737	0.71828
0.65538	0.124191	0.00721	0.135196	0.00342	0.336577	7.83E-14	0.146437	0.00151
0.68109	0.159824	0.00053	0.095504	0.03911	0.172214	0.00018	0.118939	0.0101
1.18E-07	0.113901	0.01378	0.160693	0.00049	0.038411	0.40759	0.167294	0.00028
0.00021	-0.05538	0.23225	-0.11852	0.01037	-0.00626	0.89272	-0.04798	0.30078
0.0001	0.020093	0.66495	-0.04667	0.3142	0.036567	0.43049	-0.14941	0.0012
0.55204	0.30995	7.41E-12	0.097355	0.03545	0.20742	6.20E-06	0.229276	5.49E-07
0.00391	0.080033	0.08405	0.125717	0.00652	0.185125	5.70E-05	-0.01139	0.80607
0.50336	-0.14803	0.00134	-0.02742	0.55454	-0.07028	0.12937	-0.01184	0.79865
3.18E-08	0.068885	0.13717	0.020748	0.65471	0.085829	0.06385	0.010807	0.81582
0.00288	0.046561	0.31536	-0.09149	0.04816	0.044699	0.33512	-0.1437	0.00185
0.00086	0.017478	0.70638	-0.00666	0.88584	0.077222	0.09555	-0.08437	0.0685
1.21E-06	0.212684	3.54E-06	0.156958	0.00066	0.043256	0.35098	0.133542	0.00384
0.02502	0.062966	0.17433	-0.03532	0.44644	0.16548	0.00033	0.109644	0.01778
0.34221	0.153704	0.00086	0.019321	0.67708	0.036361	0.43309	0.022912	0.6214
1.86E-07	-0.15137	0.00103	-0.22725	6.95E-07	-0.09222	0.04638	-0.17335	0.00017
0.90758	0.011368	0.80644	0.095264	0.03961	0.120808	0.00897	0.058298	0.20856
2.54E-05	0.339043	5.02E-14	0.125693	0.00653	0.174683	0.00015	0.142594	0.00201
4.69E-06	0.101376	0.02849	0.218557	1.86E-06	0.195919	2.01E-05	0.005213	0.91054

0.83274	-0.32065	1.26E-12	-0.10249	0.02677	-0.23189	4.04E-07	-0.07095	0.12578
0.00878	0.018925	0.68334	-0.00596	0.89772	-0.05084	0.27287	0.025136	0.58794
0.60772	0.061011	0.18812	0.05126	0.26894	0.052203	0.26023	0.020547	0.65785
0.25385	0.101285	0.02863	0.037957	0.41315	0.100309	0.03021	-0.0841	0.06941
0.70787	0.088681	0.05549	0.070183	0.1299	0.107355	0.02032	0.118127	0.01062
0.89076	0.153825	0.00085	0.074779	0.10654	0.073322	0.11356	0.265794	5.42E-09
0.00484	-0.04566	0.32484	-0.05426	0.2419	0.085565	0.06467	-0.05951	0.19921
6.83E-13	0.107231	0.02046	0.158574	0.00058	0.087347	0.05928	0.232622	3.71E-07
0.64938	0.178291	0.00011	0.200249	1.30E-05	0.253441	2.81E-08	0.111281	0.01614
0.0099	0.126401	0.00623	0.027078	0.55942	0.099584	0.03143	-0.08921	0.05404
5.77E-05	-0.02579	0.57819	-0.08006	0.08395	0.037246	0.42197	-0.10656	0.02126
1.35E-16	-0.19616	1.96E-05	-0.14675	0.00147	-0.0132	0.77605	-0.2716	2.43E-09
0.0015	-0.28187	5.61E-10	-0.09434	0.04157	-0.24412	9.17E-08	-0.027	0.56058
0.92047	-0.02497	0.59047	-0.02791	0.54748	-0.09936	0.03182	-0.11505	0.01285
3.17E-23	-0.16331	0.00039	-0.06995	0.13121	0.012831	0.78213	-0.31956	1.51E-12
2.17E-08	0.172633	0.00018	0.066854	0.14917	0.069591	0.13319	0.313992	3.82E-12
0.04597	0.036648	0.42946	-0.03937	0.39593	0.052931	0.25363	0.009913	0.83081
0.4591	-0.15837	0.00059	-0.10318	0.02577	-0.17782	0.00011	-0.1105	0.0169
3.36E-05	0.330619	2.25E-13	0.225085	8.91E-07	0.361472	7.33E-16	0.062956	0.1744
0.64443	0.061361	0.1856	-0.08994	0.05211	0.062121	0.1802	0.052509	0.25744
0.02817	0.064357	0.16499	0.108889	0.01858	0.133785	0.00377	0.010705	0.81753
0.56122	0.253392	2.82E-08	0.104463	0.02397	0.139019	0.00261	0.145884	0.00157
0.00098	0.007515	0.87132	0.106492	0.02135	0.198207	1.60E-05	-0.03231	0.48609
0.21694	0.108544	0.01896	0.069014	0.13644	0.291619	1.32E-10	0.113157	0.01442
9.55E-12	0.006408	0.89015	0.073715	0.11163	-0.13272	0.00406	0.247741	5.82E-08
0.10054	0.043823	0.34469	0.058178	0.2095	0.147854	0.00135	0.029591	0.52354
0.78466	0.13818	0.00277	0.101136	0.02887	0.205769	7.37E-06	0.096434	0.03723
0.0096	0.033736	0.46705	0.007931	0.86427	0.067021	0.14815	-0.04084	0.3786
8.29E-09	0.090199	0.05142	0.173514	0.00016	0.333671	1.32E-13	0.014348	0.75713
0.00097	0.012874	0.78142	0.132757	0.00405	0.000359	0.99382	0.324913	6.07E-13
0.75573	-0.01034	0.82357	0.056555	0.22252	0.033937	0.4644	0.029877	0.51954
0.8931	0.056321	0.22444	0.08514	0.06602	0.018113	0.69623	0.03559	0.44291
0.00932	-0.04444	0.33794	-0.01905	0.68137	0.074484	0.10794	-0.08018	0.08346
0.00011	0.052932	0.25362	0.001714	0.97053	0.035929	0.43858	0.265419	5.71E-09
0.71265	0.113882	0.0138	0.162198	0.00043	0.079451	0.08633	0.163109	0.0004
0.78723	0.041443	0.37155	0.071267	0.12407	-0.00321	0.94486	0.078676	0.08946
0.30272	0.086206	0.06269	0.062964	0.17435	0.060825	0.18947	0.055863	0.22824
0.85622	-0.0352	0.44787	-0.05998	0.19571	-0.05944	0.19976	-0.00429	0.92638
0.82262	-0.06162	0.18374	-0.06893	0.13694	-0.07373	0.11155	-0.01018	0.8263
0.57617	0.011735	0.80033	0.023002	0.62003	0.01762	0.7041	-0.02037	0.66063
0.71754	0.082175	0.07605	-0.02907	0.53093	0.054127	0.24305	0.052406	0.25838
0.30149	-0.04466	0.33551	-0.05406	0.24366	-0.01135	0.80668	0.00972	0.83406
0.79655	0.100645	0.02966	0.074396	0.10836	0.07187	0.12091	0.0741	0.10977
0.50336	0.025062	0.58903	0.023866	0.60695	-0.001	0.98281	0.048638	0.29423
0.82603	0.025607	0.58096	0.02368	0.60975	0.078892	0.08857	0.06541	0.15817

0.84952	0.021776	0.6388	-0.02312	0.6182	0.037876	0.41416	-0.01398	0.76318
0.39198	-0.04284	0.35565	-0.11961	0.00968	-0.15333	0.00089	-0.20403	8.82E-06
0.58398	0.083403	0.07176	0.052533	0.25722	0.077976	0.09235	0.054503	0.23978
0.00149	0.298672	4.46E-11	0.237121	2.16E-07	0.377836	2.70E-17	0.155825	0.00073
0.70763	0.103471	0.02535	0.039846	0.39027	0.152911	0.00092	0.096277	0.03754
0.96932	0.010263	0.82494	0.001921	0.96697	-0.00937	0.84	0.031368	0.4989
0.09013	0.072106	0.11969	-0.0012	0.97938	0.138183	0.00277	0.012849	0.78183
0.15408	0.069027	0.13636	0.045642	0.32501	0.06428	0.1655	0.088853	0.05501
0.31118	0.19174	3.03E-05	0.07974	0.08519	0.133289	0.00391	0.199521	1.40E-05
0.19519	0.083173	0.07255	4.71E-07	0.99999	0.03562	0.44252	-0.03076	0.50729
9.81E-18	-0.16029	0.00051	-0.13111	0.00454	-0.10721	0.02048	-0.20415	8.72E-06
4.60E-13	0.153726	0.00086	0.135951	0.00324	0.205562	7.53E-06	0.20101	1.20E-05
0.19363	-0.12642	0.00623	-0.18986	3.63E-05	-0.15833	0.00059	-0.05548	0.23142
0.62699	0.305507	1.52E-11	0.187442	4.58E-05	0.239841	1.56E-07	0.222554	1.19E-06
0.16989	0.073866	0.1109	0.044301	0.33945	0.02708	0.55939	0.059845	0.19672
0.0452	-0.03911	0.39907	0.148383	0.0013	0.071128	0.12481	0.072354	0.11842
0.01966	0.06144	0.18503	0.028092	0.5448	0.092491	0.04575	0.00191	0.96717
0.0041	0.027703	0.55039	-0.03219	0.48769	0.061199	0.18676	-0.11415	0.01358
0.08369	0.132881	0.00402	0.146449	0.00151	0.178372	0.00011	0.119736	0.0096
0.01082	-0.15316	0.0009	0.110776	0.01663	-0.02165	0.64072	0.019946	0.66725
0.27241	-0.05176	0.26426	0.056765	0.2208	-0.00453	0.92224	-0.01629	0.72555
0.60805	-0.04048	0.38277	-0.12339	0.0076	-0.02341	0.61377	-0.05281	0.25471
0.09087	0.026094	0.57379	0.021016	0.65056	0.047664	0.30401	0.031833	0.49256
0.00012	0.138125	0.00278	0.044718	0.33492	0.04007	0.38762	0.143706	0.00185
0.9983	-0.20312	9.69E-06	-0.12243	0.00808	-0.0774	0.09478	-0.12248	0.00806
0.02597	-0.08777	0.05806	-0.1849	5.83E-05	-0.1293	0.00513	0.009316	0.84086
0.58079	0.181999	7.64E-05	0.217998	1.98E-06	0.285687	3.20E-10	0.158494	0.00059
0.08531	0.075494	0.10323	0.096248	0.0376	0.204049	8.81E-06	0.056112	0.22616
0.56477	0.101347	0.02853	0.074652	0.10714	0.135107	0.00344	0.057287	0.21658
0.4273	-0.19698	1.81E-05	-0.22698	7.17E-07	-0.24065	1.41E-07	-0.15595	0.00072
0.5393	0.111949	0.0155	0.094192	0.04189	0.199351	1.42E-05	0.332604	1.59E-13
0.00451	0.01375	0.76696	0.021447	0.64388	-0.04673	0.31364	0.172644	0.00018
0.94385	0.20048	1.27E-05	0.020494	0.65868	0.143896	0.00182	0.086449	0.06195
1.46E-09	0.047436	0.30634	0.107518	0.02013	0.293317	1.02E-10	0.009575	0.8365
0.43343	0.168906	0.00025	0.017554	0.70516	-0.01867	0.6873	0.038362	0.40818
2.70E-06	0.197208	1.77E-05	0.13273	0.00406	0.160081	0.00052	0.337668	6.44E-14
2.82E-07	-0.13195	0.00428	-0.07354	0.1125	-0.11636	0.01186	0.12829	0.0055
0.8112	0.041588	0.36988	0.031853	0.49228	0.049561	0.28516	0.05905	0.20275
0.00551	-0.09268	0.0453	-0.07019	0.12988	-0.14553	0.00161	0.189158	3.89E-05
0.07609	0.066433	0.15175	0.019711	0.67094	-0.02309	0.61871	0.15753	0.00063
2.29E-14	0.128402	0.00546	0.217391	2.12E-06	0.060862	0.18921	0.108734	0.01875
0.00552	-0.08068	0.08157	-0.00541	0.9071	0.006554	0.88766	-0.1209	0.00892
0.93369	0.220242	1.54E-06	0.162728	0.00041	0.198454	1.56E-05	-0.01888	0.68403
0.01778	-0.13608	0.00321	-0.02677	0.56392	-0.12959	0.00504	0.128511	0.00542
0.04087	-0.06429	0.16544	-0.04208	0.36427	0.197839	1.66E-05	-0.05114	0.27007

7.66E-06	0.159305	0.00055	0.187135	4.72E-05	0.245448	7.77E-08	-0.00405	0.93052
8.20E-11	0.033754	0.4668	0.033575	0.46917	0.15001	0.00115	-0.04304	0.35341
0.95634	-0.13115	0.00453	-0.13169	0.00436	-0.18836	4.20E-05	-0.03594	0.43837
0.00057	0.227914	6.43E-07	0.066293	0.15262	0.159005	0.00056	0.119421	0.00979
1.36E-08	0.03815	0.41078	-0.05321	0.25114	0.132757	0.00405	-0.09877	0.03285
0.86854	-0.0169	0.71564	0.018208	0.69472	0.012297	0.79098	-0.01553	0.73791
0.97634	-0.07737	0.09491	-0.06695	0.14857	-0.04727	0.30803	-0.00866	0.85195
0.88404	0.072875	0.11578	0.111094	0.01632	0.093491	0.04345	0.059179	0.20175
0.96379	0.121525	0.00857	0.126427	0.00622	0.21454	2.89E-06	0.075324	0.10401
0.87776	0.081711	0.07773	0.102272	0.02711	0.115326	0.01264	0.094474	0.04128
0.66262	0.074371	0.10848	0.013804	0.76607	0.108121	0.01943	0.057327	0.21625
0.77099	0.084547	0.06793	0.031273	0.5002	0.038453	0.40707	0.052097	0.26119
0.80004	0.005811	0.90033	0.01564	0.73605	0.073759	0.11142	0.126754	0.00609
0.01695	-0.09457	0.04107	-0.05364	0.24731	-0.06328	0.17221	-0.0772	0.09564
7.62E-05	0.060191	0.19414	0.170436	0.00022	0.13421	0.00366	0.283376	4.50E-10
1.03E-05	-0.42018	2.12E-21	-0.24305	1.05E-07	-0.27463	1.59E-09	-0.23473	2.89E-07
0.44651	0.081668	0.07789	0.034098	0.46227	0.13072	0.00466	0.019588	0.67288
2.26E-09	0.21264	3.55E-06	0.097981	0.03428	0.090099	0.05168	0.158388	0.00059
8.58E-05	0.073527	0.11256	0.127408	0.00583	0.195925	2.01E-05	0.033173	0.47452
9.42E-06	0.115642	0.01239	0.088699	0.05544	0.178874	0.0001	0.004122	0.92921
0.00019	0.067709	0.14403	0.106342	0.02154	0.009136	0.84391	0.112303	0.01518
0.00515	0.02188	0.6372	0.06874	0.13801	0.171607	0.00019	0.023248	0.61629
0.10617	-0.06277	0.17567	0.002311	0.96028	0.068897	0.13711	0.105872	0.02213
0.19334	0.4475	2.24E-24	0.06295	0.17445	0.098987	0.03246	0.039856	0.39016
2.15E-09	-0.17487	0.00015	-0.10105	0.029	-0.09672	0.03668	-0.18708	4.74E-05
0.57005	0.177188	0.00012	0.124094	0.00726	0.215017	2.74E-06	0.172834	0.00017
0.00022	0.074046	0.11003	0.034679	0.45468	-0.06221	0.17954	0.126024	0.00639
0.83606	-0.00306	0.94747	0.001044	0.98204	0.025577	0.58141	0.039356	0.39614
1.51E-09	0.010625	0.81888	-0.04936	0.2871	-0.14669	0.00148	0.25701	1.76E-08
0.00798	0.05567	0.22985	0.049955	0.28134	0.11495	0.01293	0.127154	0.00593
0.00375	-0.17567	0.00014	-0.10017	0.03044	-0.23687	2.23E-07	0.078054	0.09203
0.26912	-0.04936	0.2871	0.028278	0.54214	-0.03573	0.44116	0.024573	0.59633
0.71208	-0.35136	5.14E-15	-0.16253	0.00042	-0.27848	9.15E-10	-0.12576	0.0065
3.83E-13	-0.17722	0.00012	-0.00695	0.8809	-0.10722	0.02047	-0.24458	8.66E-08
0.00057	0.124514	0.00706	0.10356	0.02522	0.091384	0.04842	0.156648	0.00068
0.27939	0.017939	0.69901	0.011606	0.80247	0.015702	0.73504	0.139676	0.00248
2.19E-19	-0.14224	0.00206	-0.17089	0.00021	-0.0441	0.34167	-0.21049	4.48E-06
1.55E-20	0.166673	0.0003	0.118158	0.0106	0.059573	0.19877	0.290999	1.45E-10
0.59475	0.323942	7.17E-13	0.18984	3.64E-05	0.254417	2.47E-08	0.149358	0.00121
0.72896	0.019716	0.67086	0.002996	0.94852	0.001896	0.9674	0.011712	0.8007
0.01208	0.021459	0.64369	0.085483	0.06493	0.166307	0.00031	-0.01765	0.70361
0.80017	-0.25243	3.20E-08	-0.22074	1.46E-06	-0.24601	7.25E-08	-0.253	2.97E-08
0.08059	0.304562	1.76E-11	0.280908	6.45E-10	0.338452	5.59E-14	0.157671	0.00063
0.33747	-0.11794	0.01075	-0.14151	0.00217	-0.1292	0.00517	-0.13516	0.00343
0.29208	0.058753	0.20503	-0.08026	0.08317	0.012218	0.79228	-0.03528	0.4469

0.21854	0.192168	2.91E-05	-0.02532	0.5852	0.035159	0.44845	0.045828	0.32305
0.34288	0.363503	4.92E-16	0.187108	4.73E-05	0.236881	2.23E-07	0.18488	5.84E-05
9.75E-19	-0.03467	0.45485	-0.0741	0.10975	0.031774	0.49336	-0.21134	4.09E-06
3.18E-15	0.16032	0.00051	0.039822	0.39056	0.029397	0.52627	0.275605	1.38E-09
0.08635	-0.0018	0.96909	-0.08852	0.05593	-0.05319	0.25134	-0.08456	0.06788
0.63598	0.323662	7.53E-13	0.085576	0.06464	0.177741	0.00011	0.078272	0.09112
0.33058	0.054053	0.24368	-0.01989	0.66816	-0.00979	0.8329	-0.05879	0.20477
0.04822	0.317917	1.99E-12	0.101174	0.02881	0.229327	5.46E-07	0.123364	0.00761
0.2659	0.067795	0.14352	0.094109	0.04207	0.136148	0.0032	0.039041	0.39993
0.13047	-0.23951	1.62E-07	-0.20987	4.78E-06	-0.31717	2.25E-12	-0.19257	2.79E-05
0.02841	0.260883	1.05E-08	0.066292	0.15262	0.131894	0.0043	0.022432	0.62872
4.73E-09	0.162955	0.00041	0.131339	0.00447	0.062343	0.17864	0.236865	2.23E-07
0.13786	0.322912	8.55E-13	0.244408	8.85E-08	0.304076	1.90E-11	0.002175	0.96262
2.51E-17	-0.23874	1.78E-07	-0.00686	0.88238	0.148843	0.00126	-0.25758	1.63E-08
0.00117	-0.21504	2.74E-06	-0.19974	1.37E-05	-0.20747	6.16E-06	-0.00137	0.97653
3.70E-09	-0.10338	0.02548	-0.09593	0.03824	0.049185	0.28883	-0.18045	8.80E-05
0.00058	-0.02318	0.61731	0.004958	0.9149	0.077268	0.09536	0.141626	0.00216
8.84E-07	0.064785	0.16219	0.121906	0.00836	0.221586	1.33E-06	0.038872	0.40198
0.46258	0.07818	0.0915	0.099033	0.03238	0.144514	0.00174	0.064053	0.167
0.61353	0.199751	1.37E-05	0.206301	6.97E-06	0.289689	1.76E-10	0.090014	0.0519
0.05146	-0.03516	0.44841	-0.01149	0.80434	0.053068	0.2524	-0.00629	0.89215
0.51234	0.153529	0.00087	0.081833	0.07729	0.109859	0.01755	0.100437	0.03
0.14218	-0.23006	5.01E-07	-0.27223	2.22E-09	-0.24647	6.84E-08	-0.13462	0.00356
2.20E-07	0.059597	0.19859	0.111369	0.01605	0.302951	2.28E-11	-0.07474	0.10674
0.83473	0.061558	0.18419	0.099501	0.03157	0.102934	0.02612	0.197007	1.80E-05
3.34E-05	0.048696	0.29365	0.155946	0.00072	0.228184	6.24E-07	-0.06651	0.15125
0.7117	0.091015	0.04934	0.033441	0.47095	0.112433	0.01506	-0.05254	0.25716
0.00124	-0.06639	0.152	0.098679	0.03301	0.077719	0.09344	-0.10071	0.02956
0.00893	-0.03602	0.43746	0.002863	0.95079	0.036576	0.43037	-0.08379	0.07043
0.08097	0.13997	0.00243	0.15985	0.00053	0.110489	0.01691	0.018159	0.6955
0.00012	0.02388	0.60673	0.09507	0.04001	0.172462	0.00018	-0.03225	0.48692
8.25E-05	0.197315	1.75E-05	0.171898	0.00019	0.172456	0.00018	0.157916	0.00061
4.97E-05	-0.12933	0.00512	-0.12534	0.00668	-0.03217	0.48802	-0.12632	0.00627
0.72449	0.238593	1.81E-07	0.101916	0.02765	0.204938	8.03E-06	0.154443	0.00081
0.34526	-0.00343	0.94104	-0.07542	0.10356	-0.05138	0.26782	-0.05435	0.2411
0.02253	0.098351	0.0336	0.190357	3.46E-05	0.147302	0.00141	0.255502	2.15E-08
0.00018	-0.0323	0.48629	-0.05752	0.21468	0.051113	0.27032	-0.11692	0.01145
0.37829	0.018724	0.68652	0.042221	0.36264	0.134854	0.0035	0.03389	0.46501
0.78362	-0.07328	0.11378	-0.00885	0.84871	-0.0356	0.44279	0.043498	0.34828
0.02899	-0.07075	0.12685	-0.07486	0.10617	-0.12913	0.00519	-0.03011	0.51626
0.12375	0.009936	0.83043	0.00168	0.97111	0.021106	0.64916	0.063383	0.17149
0.53877	0.036815	0.42736	-0.09461	0.04099	0.038492	0.4066	-0.00213	0.96341
0.00457	0.068022	0.14218	0.031247	0.50056	0.022928	0.62115	0.117424	0.0111
0.25826	0.038376	0.40801	0.009958	0.83006	-0.00197	0.96608	-0.036	0.43765
0.02063	0.343268	2.32E-14	0.19966	1.38E-05	0.22039	1.52E-06	0.174428	0.00015

1.65E-05	0.025666	0.5801	0.094329	0.04159	-0.01965	0.67194	0.065235	0.15929
0.45455	0.305432	1.53E-11	0.194417	2.33E-05	0.060795	0.1897	-0.0096	0.83601
4.62E-07	0.008108	0.86128	0.003742	0.93572	-0.06357	0.1702	-0.0992	0.03209
0.25363	0.188484	4.15E-05	0.123974	0.00731	0.128814	0.00531	0.089619	0.05294
0.04731	0.032415	0.48468	0.109236	0.01821	0.137641	0.00288	0.04266	0.35766
0.35773	0.251645	3.54E-08	0.162094	0.00044	0.206975	6.49E-06	0.087098	0.06001
0.00016	0.390841	1.71E-18	0.242282	1.15E-07	0.240372	1.46E-07	0.201694	1.12E-05
0.07665	-0.01109	0.81106	-0.0395	0.39437	-0.0737	0.11172	-0.02205	0.63453
0.00069	-0.10984	0.01758	-0.16628	0.00031	-0.0618	0.18249	-0.07087	0.12617
0.43111	-0.00565	0.90314	-0.00196	0.96629	0.022313	0.63055	-0.01546	0.73895
0.9688	-0.05192	0.26282	0.061328	0.18583	0.03356	0.46937	0.039529	0.39407
4.11E-11	-0.23745	2.08E-07	-0.1445	0.00174	-0.11553	0.01248	-0.22383	1.03E-06
0.00032	-0.06004	0.19527	0.110281	0.01712	0.059535	0.19905	-0.05138	0.26783
0.40164	-0.01819	0.69493	0.083994	0.06976	0.020208	0.66314	0.094978	0.04021
0.00095	-0.29556	7.22E-11	-0.17183	0.00019	-0.3063	1.33E-11	-0.04	0.38844
0.00185	0.12534	0.00669	0.256079	1.99E-08	0.207878	5.90E-06	0.272128	2.26E-09
0.54678	-0.40011	2.22E-19	-0.13306	0.00397	-0.23183	4.07E-07	-0.21716	2.17E-06
0.51727	0.084545	0.06794	-0.00365	0.93724	0.024737	0.59388	0.125118	0.00679
5.06E-05	-0.1185	0.01038	0.020166	0.66381	0.030548	0.51019	-0.03113	0.50213
0.05162	0.168544	0.00025	0.175258	0.00014	0.16803	0.00026	0.083561	0.07122
0.85081	0.157595	0.00063	0.002067	0.96446	0.063558	0.17031	0.027716	0.5502
0.29188	0.07429	0.10886	0.010872	0.81473	0.092644	0.04539	-0.01321	0.77584
0.25155	0.049816	0.28268	-0.04061	0.38122	0.018117	0.69616	-0.02302	0.6198
7.35E-05	-0.0309	0.50528	-0.14497	0.00168	-0.06114	0.18718	-0.15867	0.00058
0.0605	0.012137	0.79364	-0.07749	0.09441	0.031156	0.5018	-0.09668	0.03674
0.5796	0.104915	0.02336	0.004695	0.9194	0.016616	0.72024	0.004133	0.92902
0.56881	0.189244	3.86E-05	0.075211	0.10453	0.147227	0.00142	0.072373	0.11832
0.85505	0.053026	0.25278	-0.03693	0.42597	-0.02666	0.56551	-0.03543	0.44493
0.46508	0.065824	0.15555	0.022907	0.62148	0.028473	0.53936	0.0383	0.40894
0.00079	-0.02733	0.55575	-0.07728	0.09532	0.065703	0.15631	-0.10373	0.02499
0.29315	0.085783	0.06399	0.047809	0.30255	0.033736	0.46705	0.046261	0.31849
0.02098	0.115306	0.01265	-0.07867	0.08948	-0.01068	0.81796	-0.10831	0.01922
0.97061	0.18404	6.32E-05	0.200568	1.26E-05	0.117575	0.011	0.095862	0.03838
9.43E-14	0.1639	0.00038	0.122548	0.00802	0.25317	2.91E-08	-0.08063	0.08175
0.86881	0.062893	0.17484	0.064115	0.16659	0.082117	0.07626	0.031976	0.49062
1.87E-05	-0.01533	0.74101	0.112735	0.01479	0.123989	0.00731	-0.05854	0.20667
0.74141	-0.06634	0.15234	-0.04218	0.36312	-0.03887	0.40194	-0.08638	0.06217
0.8809	0.055603	0.23041	-0.00216	0.96284	0.063496	0.17073	0.120781	0.00898
1.99E-10	0.190476	3.43E-05	0.22376	1.04E-06	0.124684	0.00698	0.303234	2.18E-11
0.60383	0.361417	7.41E-16	0.270641	2.78E-09	0.241802	1.22E-07	0.250575	4.06E-08
0.0009	0.169557	0.00023	0.230479	4.77E-07	0.173568	0.00016	0.325112	5.87E-13
0.6057	0.187939	4.37E-05	0.135511	0.00335	0.219856	1.61E-06	0.136081	0.00321
0.29332	0.084003	0.06973	0.112505	0.015	0.159228	0.00055	0.089507	0.05324
5.42E-05	-0.12383	0.00738	-0.04571	0.32433	-0.01235	0.7901	-0.08279	0.07386
0.00275	-0.00108	0.98148	-1.83E-05	0.99969	0.085517	0.06482	-0.12276	0.00791

5.09E-10	0.085177	0.0659	0.035843	0.43968	0.119439	0.00978	-0.06294	0.17452
0.48918	-0.0018	0.96901	0.031517	0.49687	0.07151	0.12279	0.062025	0.18088
0.94321	0.0716	0.12232	0.045971	0.32154	0.049028	0.29037	0.116762	0.01157
0.3233	0.065861	0.15532	0.017333	0.70871	0.110098	0.01731	0.07453	0.10772
0.03368	0.209285	5.09E-06	0.11453	0.01327	0.190741	3.34E-05	0.200735	1.24E-05
0.00154	0.031579	0.49601	0.183705	6.52E-05	0.168127	0.00026	0.105248	0.02293
0.85833	0.065208	0.15946	0.023758	0.60857	0.036136	0.43594	0.049866	0.2822
7.62E-12	-0.08339	0.07181	-0.06353	0.17048	-0.14212	0.00208	0.137502	0.0029
0.13812	-0.20773	6.00E-06	-0.05417	0.24266	-0.10007	0.0306	-0.01418	0.75984
0.76338	0.1762	0.00013	0.106327	0.02156	0.176756	0.00012	0.184996	5.77E-05
0.02042	0.024992	0.59008	0.010512	0.82076	0.088443	0.05615	-0.0582	0.20936
0.28775	0.263437	7.47E-09	0.18851	4.14E-05	0.232756	3.65E-07	0.207689	6.02E-06
4.94E-05	-0.14671	0.00148	-0.06507	0.16035	-0.16387	0.00038	0.00332	0.94295
0.14351	0.075165	0.10474	-0.00873	0.8507	0.022072	0.63424	0.03002	0.51753
0.528	0.090289	0.05119	0.137992	0.0028	0.271554	2.45E-09	0.105679	0.02237
0.68747	0.313814	3.94E-12	0.258988	1.36E-08	0.344049	2.01E-14	0.354007	3.11E-15
0.86132	0.045181	0.32993	-0.03168	0.4946	0.004132	0.92903	0.040622	0.38111
2.12E-14	0.306006	1.40E-11	0.23305	3.52E-07	0.124898	0.00688	0.140615	0.00232
0.83626	-0.13399	0.00372	-0.07419	0.10933	-0.21158	3.98E-06	-0.1187	0.01025
0.3499	0.392328	1.24E-18	0.297753	5.14E-11	0.42468	7.14E-22	0.157262	0.00065
0.44818	0.053007	0.25294	0.033852	0.46551	0.039175	0.39831	0.057158	0.21762
0.00524	-0.10168	0.02801	-0.19509	2.18E-05	-0.16738	0.00028	-0.10003	0.03068
0.04067	0.207059	6.44E-06	0.141282	0.00221	0.17257	0.00018	0.230217	4.92E-07
0.48601	0.505823	1.05E-31	0.307986	1.02E-11	0.305657	1.48E-11	0.222503	1.20E-06
0.63458	0.241477	1.27E-07	0.216124	2.43E-06	0.251448	3.63E-08	0.236001	2.48E-07
0.08084	0.015064	0.74543	0.013594	0.76953	0.075575	0.10286	0.079449	0.08634
0.07092	0.043617	0.34696	0.078591	0.0898	0.091831	0.04733	0.1106	0.0168
0.00519	0.143053	0.00194	0.221789	1.30E-06	0.300671	3.26E-11	0.094053	0.0422
2.03E-08	0.059029	0.2029	0.016835	0.71671	0.173638	0.00016	-0.15047	0.00111
0.24689	-0.17591	0.00013	-0.19818	1.60E-05	-0.24269	1.10E-07	-0.07015	0.13009
0.14927	-0.04248	0.35974	0.044727	0.33483	-0.05128	0.26876	0.060042	0.19525
0.88976	0.186806	4.87E-05	0.26506	5.99E-09	0.29961	3.85E-11	0.217961	1.99E-06
0.73811	0.07661	0.09822	0.008321	0.85767	0.083386	0.07181	0.144462	0.00175
0.00018	-0.12663	0.00614	-0.11258	0.01493	-0.06647	0.15155	-0.0941	0.0421
8.26E-05	0.125008	0.00683	0.051175	0.26974	0.052069	0.26145	0.066937	0.14867
3.89E-05	0.050324	0.27779	-0.08991	0.05217	-0.02968	0.52233	-0.17355	0.00016
0.8951	0.113971	0.01373	0.104797	0.02352	0.118847	0.01015	0.069587	0.1332
0.00092	0.092744	0.04516	0.049498	0.28577	-0.02373	0.60902	0.240751	1.39E-07
0.19588	0.178358	0.00011	0.088764	0.05526	0.221397	1.35E-06	0.048431	0.2963
0.00022	0.163858	0.00038	0.100451	0.02997	0.061691	0.18324	0.15213	0.00097
0.00058	0.167206	0.00028	0.038444	0.40719	0.078717	0.08929	-0.05203	0.26184
6.40E-15	0.280868	6.49E-10	0.087557	0.05867	-0.00403	0.93083	0.100696	0.02957
0.00051	0.126464	0.00621	0.100874	0.02929	0.095656	0.0388	0.22642	7.64E-07
0.75739	-0.08545	0.06504	0.025056	0.58913	0.036975	0.42535	-0.00774	0.8676
2.96E-13	0.118793	0.01019	0.039451	0.395	-0.02203	0.63487	0.182008	7.63E-05



0.26381	0.011763	0.79987	0.046464	0.31637	0.018668	0.6874	0.128277	0.0055
1.49E-11	-0.03225	0.48694	-0.02941	0.52605	-0.11529	0.01266	0.180246	8.97E-05
0.00045	-0.08354	0.07129	-0.08328	0.07218	-0.06225	0.17932	-0.16592	0.00032
2.71E-13	0.377715	2.77E-17	0.158119	0.0006	0.158201	0.0006	0.314356	3.60E-12
3.36E-05	0.070134	0.13018	0.191387	3.14E-05	0.224939	9.06E-07	-0.00031	0.99468
0.28518	0.059139	0.20207	0.130495	0.00473	0.144691	0.00172	0.002903	0.95011
0.69926	0.010203	0.82595	0.073934	0.11057	0.159104	0.00056	0.003056	0.94749
5.85E-09	0.014382	0.75658	-0.00575	0.90145	0.064921	0.16131	-0.13742	0.00292
0.08203	-0.05616	0.22576	-0.1426	0.00201	-0.13365	0.00381	0.096536	0.03703
0.16388	-0.05585	0.22836	-0.17846	0.00011	-0.13667	0.00308	-0.0521	0.26118
9.29E-09	-0.06451	0.164	-0.00264	0.95465	0.089346	0.05367	-0.07335	0.11342
0.34208	0.215007	2.75E-06	0.163568	0.00039	0.261705	9.43E-09	0.128588	0.00539
9.91E-18	0.105124	0.02309	0.047265	0.30809	0.168432	0.00026	0.045382	0.32779
0.89743	-0.01388	0.76476	-0.00334	0.94266	0.020431	0.65967	0.00253	0.95652
0.03534	0.451527	7.72E-25	0.20799	5.83E-06	0.296346	6.39E-11	0.366234	2.86E-16
0.9491	0.065726	0.15617	-0.03825	0.40956	0.013503	0.77102	0.141465	0.00218
0.00755	0.063268	0.17228	0.023488	0.61265	0.076804	0.09737	-0.10329	0.0256
0.74372	0.005391	0.90751	-0.01325	0.77519	0.0216	0.64151	0.0476	0.30467
0.28958	0.196706	1.86E-05	0.155205	0.00076	0.278451	9.20E-10	0.171904	0.00019
0.02251	-0.35256	4.09E-15	-0.24098	1.35E-07	-0.35554	2.32E-15	0.014829	0.74926
9.54E-09	0.129725	0.00499	0.13691	0.00303	0.021848	0.63769	0.179891	9.27E-05
0.20785	-0.04533	0.32837	0.044069	0.34199	0.109394	0.01804	-0.00714	0.87762
0.64115	-0.03113	0.50217	-0.1177	0.01091	0.031206	0.50112	-0.0153	0.7415
0.00193	-0.1387	0.00267	-0.20577	7.37E-06	-0.27209	2.27E-09	0.00627	0.8925
2.12E-06	0.356201	2.04E-15	0.29719	5.61E-11	0.36005	9.68E-16	0.125905	0.00644
3.53E-06	-0.00208	0.96431	0.022661	0.62522	0.08408	0.06947	-0.04916	0.28908
0.15415	-0.01709	0.71255	0.04417	0.34088	0.114587	0.01322	0.025152	0.5877
5.05E-09	0.152041	0.00098	0.184073	6.30E-05	0.095285	0.03956	0.271606	2.43E-09
0.63761	0.321553	1.08E-12	0.151289	0.00104	0.286722	2.75E-10	0.13684	0.00304
1.42E-06	0.075612	0.10269	0.143069	0.00194	0.011298	0.80761	0.237041	2.19E-07
0.32215	-0.18052	8.75E-05	-0.07212	0.1196	-0.17105	0.0002	0.017933	0.69911
0.402	-0.18507	5.73E-05	-0.1824	7.36E-05	-0.29587	6.88E-11	-0.03178	0.49324
0.02792	0.029999	0.51783	0.009959	0.83005	0.032595	0.48225	-0.00264	0.95471
0.0681	0.063062	0.17367	0.127237	0.0059	0.102453	0.02683	0.102305	0.02706
9.33E-14	0.147857	0.00135	0.147713	0.00137	0.083165	0.07257	0.414024	9.12E-21
0.17513	-0.0542	0.24236	-0.04341	0.34921	-0.05585	0.22836	-0.08065	0.08169
0.31129	0.005282	0.90937	-0.02762	0.5516	0.005055	0.91324	-0.00563	0.90345
0.00026	0.02298	0.62037	0.017528	0.70558	0.079952	0.08436	-0.04305	0.35326
0.02493	-0.10329	0.02561	-0.13046	0.00475	-0.05668	0.22151	-0.02218	0.63252
0.01202	-0.11441	0.01336	-0.09211	0.04666	-0.05751	0.2148	-0.08347	0.07152
0.00948	-0.01254	0.78692	-0.0406	0.38139	0.009529	0.83728	-0.07186	0.12094
0.88434	0.020551	0.65779	-0.05652	0.22282	0.041284	0.37339	0.01397	0.76334
0.04666	-0.05195	0.26251	-0.12155	0.00855	-0.03598	0.43787	-0.0208	0.6539
1.43E-13	0.090432	0.05082	-0.04346	0.34866	0.10894	0.01853	-0.16302	0.0004
0.76399	-0.23671	2.27E-07	-0.14352	0.00187	-0.09434	0.04156	-0.09827	0.03374

0.13653	0.198909	1.49E-05	0.09692	0.03628	0.212657	3.55E-06	0.116273	0.01192
8.09E-13	-0.03287	0.47856	0.152141	0.00097	0.223104	1.12E-06	-0.02078	0.6543
3.06E-05	0.245791	7.44E-08	0.212419	3.64E-06	0.269606	3.21E-09	0.210396	4.52E-06
0.0192	-0.06336	0.17164	-0.07504	0.10531	-0.17902	0.0001	0.013532	0.77055
0.00044	0.208362	5.61E-06	0.112754	0.01477	0.141893	0.00211	-0.03579	0.4403
0.76716	0.158414	0.00059	0.225394	8.60E-07	0.293315	1.02E-10	0.114372	0.01339
0.91101	-0.05439	0.24072	-0.09202	0.04686	-0.09169	0.04766	0.039057	0.39974
0.00028	0.153694	0.00086	0.22969	5.23E-07	0.3092	8.37E-12	0.13414	0.00368
0.62531	-0.11862	0.0103	-0.14223	0.00206	-0.20459	8.33E-06	-0.20799	5.83E-06
1.02E-07	0.277673	1.03E-09	0.17932	9.76E-05	0.180161	9.04E-05	0.277206	1.10E-09
4.71E-27	-0.2295	5.35E-07	-0.0497	0.28384	0.022655	0.62532	-0.15916	0.00056
0.02169	-0.28659	2.80E-10	-0.16495	0.00034	-0.27446	1.63E-09	-0.24994	4.40E-08
4.66E-06	0.053892	0.2451	0.012729	0.78382	0.115597	0.01243	-0.05501	0.23544
0.51418	0.208086	5.78E-06	0.187347	4.62E-05	0.268323	3.83E-09	0.04535	0.32813
0.25827	0.120308	0.00926	0.02442	0.59862	0.07916	0.08749	0.01197	0.79642
0.15936	-0.05295	0.25342	-0.04522	0.32953	0.00169	0.97094	0.038828	0.40251
0.09414	0.057577	0.21426	0.037436	0.4196	0.069587	0.1332	-0.0737	0.11169
9.28E-05	-0.03721	0.4224	0.044384	0.33854	0.112695	0.01483	-0.02963	0.52304
1.91E-13	-0.1422	0.00207	-0.17027	0.00022	-0.11084	0.01656	-0.1142	0.01353
7.19E-17	0.187519	4.55E-05	0.212731	3.52E-06	0.10229	0.02708	0.261054	1.03E-08
8.90E-05	-0.07734	0.09506	-0.12031	0.00926	0.070617	0.12755	-0.0746	0.10738
0.01163	0.141128	0.00224	0.197027	1.80E-05	0.248333	5.40E-08	0.093317	0.04384
0.10114	0.062869	0.175	0.022771	0.62355	0.159232	0.00055	0.003899	0.93304
2.12E-09	0.001223	0.97898	0.094567	0.04108	0.061578	0.18405	0.178053	0.00011
0.08655	0.082102	0.07632	0.013717	0.7675	0.197051	1.79E-05	0.155518	0.00075
1.65E-06	-0.11251	0.015	-0.18406	6.30E-05	0.001473	0.97467	-0.14121	0.00222
0.46799	0.063159	0.17301	0.040132	0.38689	0.1514	0.00103	0.044303	0.33943
0.3087	0.019059	0.68122	0.092992	0.04459	0.116653	0.01164	0.053642	0.2473
3.42E-05	-0.17192	0.00019	-0.292	1.24E-10	-0.22213	1.25E-06	-0.16931	0.00024
1.57E-05	0.028617	0.53732	0.016272	0.7258	0.066922	0.14875	-0.06698	0.14843
0.09375	-0.10264	0.02656	0.084773	0.0672	0.038681	0.4043	-0.11096	0.01645
0.25733	-0.02034	0.66104	-0.06718	0.14717	0.200836	1.22E-05	-0.00943	0.83901
9.52E-08	-0.02235	0.62993	-0.0545	0.23984	-0.12152	0.00857	0.147019	0.00144
1.01E-05	0.085855	0.06377	0.150209	0.00113	0.204299	8.58E-06	-0.08536	0.06531
0.0375	0.131712	0.00436	0.069395	0.13428	0.092394	0.04598	0.168984	0.00024
1.17E-06	0.111405	0.01602	0.222237	1.23E-06	0.292318	1.18E-10	-0.04108	0.37579
0.82845	0.080594	0.08189	0.136171	0.00319	0.145145	0.00166	0.071231	0.12426
0.00655	-0.20829	5.65E-06	-0.15475	0.00079	-0.27065	2.78E-09	0.042321	0.3615
0.047	0.048898	0.29166	-0.02059	0.65714	-0.03582	0.44002	0.042803	0.35604
0.00026	0.145441	0.00163	0.114625	0.01319	0.137977	0.00281	0.12683	0.00606
0.1889	0.073576	0.11232	0.22873	5.85E-07	0.156957	0.00066	0.064007	0.16731
0.00051	0.084854	0.06694	0.081661	0.07791	0.132512	0.00412	0.107436	0.02022
0.05381	0.25423	2.53E-08	0.16301	0.0004	0.206436	6.87E-06	0.221997	1.27E-06
2.35E-06	0.20613	7.09E-06	0.162384	0.00043	0.110976	0.01643	0.122434	0.00808
0.01849	-0.24724	6.21E-08	0.049059	0.29007	-0.01917	0.67945	-0.13588	0.00326

0.59353	0.402798	1.21E-19	0.239785	1.57E-07	0.282349	5.23E-10	0.126416	0.00623
9.07E-13	0.215144	2.71E-06	0.09097	0.04945	0.090393	0.05092	0.177741	0.00011
0.00442	-0.02017	0.66381	-0.07781	0.09304	-0.05091	0.2722	0.047666	0.304
0.00453	0.187217	4.68E-05	0.092313	0.04617	0.140472	0.00235	-0.13749	0.00291
6.70E-08	0.146883	0.00146	0.057007	0.21884	0.145307	0.00164	-0.10372	0.02499
0.65514	-0.05597	0.22734	-0.16279	0.00041	-0.13138	0.00446	-0.08196	0.07683
6.59E-06	0.110832	0.01657	0.132666	0.00408	0.210648	4.40E-06	0.036948	0.42569
0.21156	-0.08618	0.06278	-0.05073	0.27397	-0.02707	0.55951	0.039137	0.39877
1.52E-06	0.009999	0.82937	-0.03291	0.47799	0.061737	0.18291	-0.05044	0.27665
0.25053	0.040699	0.3802	-0.05819	0.2094	-0.08902	0.05455	0.117924	0.01076
0.3997	0.091497	0.04814	0.150156	0.00114	0.136468	0.00313	0.11024	0.01716
1.16E-06	0.077064	0.09624	-0.02163	0.64099	0.083381	0.07183	-0.0266	0.56642
0.00333	-0.05087	0.2726	0.002724	0.95319	-0.0875	0.05883	0.218289	1.92E-06
1.89E-09	0.288161	2.22E-10	0.228023	6.35E-07	0.173196	0.00017	0.148581	0.00128
0.01044	0.18133	8.12E-05	0.093338	0.0438	0.093177	0.04416	0.288234	2.19E-10
0.01958	-0.0575	0.21486	-0.21816	1.94E-06	-0.03478	0.4534	-0.09676	0.03659
0.00065	0.052387	0.25855	0.039486	0.39458	0.096265	0.03757	0.025762	0.57868
0.00148	0.019348	0.67666	-0.0993	0.03193	0.001603	0.97243	-0.03229	0.48639
0.1236	-0.10199	0.02754	-0.20113	1.19E-05	-0.14221	0.00207	-0.04288	0.35514
0.03887	0.139364	0.00254	0.343006	2.44E-14	0.25415	2.56E-08	0.196961	1.81E-05
0.00154	0.048874	0.29189	0.145755	0.00159	0.143564	0.00187	0.110984	0.01642
3.46E-15	-0.02344	0.61338	-0.09645	0.0372	0.046607	0.31489	-0.12461	0.00702
0.50096	0.068652	0.13851	0.004274	0.9266	0.06827	0.14073	0.009402	0.83941
0.47492	0.049271	0.28798	-0.02183	0.63801	0.003267	0.94387	-0.02254	0.62712
0.04235	0.03537	0.44574	0.037382	0.42028	0.00669	0.88536	0.014525	0.75423
0.00394	0.077943	0.09249	0.01234	0.79027	0.066246	0.15291	-0.09957	0.03144
2.19E-07	-0.00937	0.84003	-0.054	0.24419	0.088363	0.05637	-0.01509	0.74492
0.2396	-0.1703	0.00022	-0.09348	0.04346	-0.18153	7.98E-05	-0.11882	0.01017
0.81997	-0.06604	0.15422	-0.03802	0.41234	-0.04432	0.3392	0.002127	0.96344
0.01963	0.063565	0.17027	0.117556	0.01101	0.057853	0.21207	-0.0214	0.6446
0.03273	0.121836	0.0084	0.141036	0.00225	0.12987	0.00494	0.106333	0.02155
0.11114	0.018319	0.69296	-0.14721	0.00142	-0.03983	0.39048	0.011162	0.80988
0.73708	0.063017	0.17398	-0.09037	0.05098	-0.09856	0.03322	0.029822	0.5203
2.88E-11	0.181667	7.87E-05	0.102631	0.02657	0.092621	0.04545	0.238495	1.83E-07
0.19205	0.113767	0.0139	-0.05368	0.24695	0.076444	0.09895	0.214369	2.95E-06
0.00186	-0.11442	0.01336	-0.06764	0.14442	-0.15829	0.0006	0.034516	0.4568
0.00064	0.130538	0.00472	0.130152	0.00485	0.124954	0.00686	0.220654	1.47E-06
0.00019	0.135848	0.00327	0.051003	0.27136	0.089271	0.05387	0.18994	3.61E-05
0.07909	0.051622	0.26557	-0.01671	0.71875	0.076376	0.09925	0.204209	8.66E-06
0.06709	-0.16814	0.00026	-0.29428	8.78E-11	-0.24628	7.00E-08	-0.11792	0.01076
1.10E-07	0.032707	0.48075	-0.02079	0.65403	0.087328	0.05933	-0.05104	0.27102
0.00646	-0.25286	3.02E-08	-0.28168	5.77E-10	-0.34126	3.35E-14	-0.15296	0.00091
0.20009	-0.2766	1.20E-09	-0.21979	1.62E-06	-0.20941	5.02E-06	-0.12875	0.00533
4.56E-08	-0.02873	0.5357	0.04579	0.32345	-0.05478	0.23742	0.109344	0.01809
6.67E-05	0.205456	7.61E-06	-0.0258	0.57813	-0.07019	0.12989	-0.14194	0.00211

0.00142	0.051338	0.26821	0.052308	0.25927	-0.01233	0.79051	0.050875	0.27256
0.46011	0.010947	0.81348	-0.05628	0.22477	-0.05507	0.23488	0.025974	0.57555
7.49E-19	0.154926	0.00078	0.074168	0.10945	0.042352	0.36114	0.274299	1.66E-09
2.75E-05	0.127973	0.00561	0.085411	0.06516	0.060257	0.19365	0.234931	2.82E-07
0.19925	0.197434	1.73E-05	0.125876	0.00645	0.17828	0.00011	0.212895	3.46E-06
0.73636	-0.253	2.97E-08	-0.28724	2.54E-10	-0.26731	4.41E-09	-0.12836	0.00547
0.12171	0.161204	0.00047	0.118723	0.01023	0.297906	5.02E-11	0.237948	1.96E-07
0.12937	-0.37162	9.67E-17	-0.28201	5.49E-10	-0.33996	4.25E-14	-0.28712	2.59E-10
9.40E-27	0.070863	0.12622	0.010667	0.81816	0.119802	0.00956	-0.18443	6.09E-05
6.53E-08	-0.15258	0.00094	0.075595	0.10277	-0.07505	0.10527	0.170445	0.00022
0.04365	0.130612	0.0047	0.152946	0.00091	0.29177	1.29E-10	0.043342	0.35002
0.02859	-0.00056	0.99037	0.015609	0.73655	0.081912	0.077	0.052778	0.255
8.22E-06	-0.1624	0.00043	-0.15216	0.00097	-0.1827	7.15E-05	-0.24428	8.99E-08
0.87403	0.10191	0.02766	0.123507	0.00754	0.152339	0.00096	0.210967	4.25E-06
1.08E-05	0.308706	9.07E-12	0.170832	0.00021	0.171444	0.0002	0.208683	5.42E-06
0.01971	0.059849	0.19669	-0.03484	0.45261	-0.0082	0.85967	0.084946	0.06664
0.00457	0.051303	0.26855	0.150617	0.0011	0.318876	1.69E-12	-0.06323	0.17253
0.50271	0.004601	0.921	0.043984	0.34292	0.049076	0.2899	0.298248	4.76E-11
0.42686	-0.07264	0.11698	-0.11488	0.01298	-0.09123	0.0488	-0.00287	0.95068
0.05631	0.121249	0.00872	0.246085	7.17E-08	0.220905	1.43E-06	0.14251	0.00202
4.65E-09	-0.00172	0.97045	-0.0105	0.82099	0.088786	0.0552	-0.07125	0.12414
2.42E-11	0.045904	0.32224	0.029207	0.52895	0.038006	0.41255	0.198827	1.50E-05
0.00235	-0.00959	0.83623	0.066185	0.15329	-0.08232	0.07552	0.126721	0.0061
0.46835	-0.08073	0.08139	-0.11403	0.01368	-0.18866	4.08E-05	-0.0737	0.1117
0.65159	0.149345	0.00121	0.129231	0.00516	0.258536	1.44E-08	0.088735	0.05534
0.85293	0.044585	0.33636	0.066384	0.15206	0.064978	0.16094	0.01469	0.75153
0.00304	0.181055	8.33E-05	0.165093	0.00034	0.343961	2.05E-14	0.036787	0.42771
0.02331	0.05301	0.25291	0.134157	0.00368	0.057083	0.21822	0.119588	0.00969
2.59E-20	0.183717	6.51E-05	0.212994	3.42E-06	0.081823	0.07732	0.359513	1.08E-15
0.00016	-0.01334	0.77378	-0.02699	0.56068	0.084106	0.06939	-0.15394	0.00084
9.30E-06	0.189532	3.75E-05	0.125769	0.0065	0.089949	0.05207	0.130226	0.00482
1.78E-14	-0.11298	0.01458	-0.07985	0.08477	0.044216	0.34038	-0.15673	0.00068
0.07473	0.155097	0.00077	0.092148	0.04657	0.184888	5.83E-05	0.068748	0.13796
0.2679	-0.02292	0.62121	-0.00611	0.8953	0.047549	0.30519	0.067772	0.14365
1.99E-05	0.201701	1.12E-05	0.149551	0.00119	0.107147	0.02056	0.238828	1.76E-07
0.73674	0.15812	0.0006	0.129522	0.00506	0.178751	0.0001	0.121534	0.00856
0.36838	0.20869	5.42E-06	0.054644	0.23857	0.101674	0.02802	-0.00471	0.91914
0.43978	0.054335	0.24124	0.025854	0.57732	0.053713	0.24667	0.064825	0.16193
0.00505	0.00708	0.87872	-0.0749	0.10596	0.056972	0.21912	-0.04437	0.33867
0.0143	0.152395	0.00095	0.183425	6.69E-05	0.139649	0.00249	0.120318	0.00925
0.00302	-0.07171	0.12172	-0.04157	0.37004	-0.05213	0.26089	-0.18353	6.62E-05
0.88788	-0.14499	0.00168	-0.16544	0.00033	-0.12521	0.00674	0.042292	0.36182
0.09186	0.094084	0.04213	0.104721	0.02362	0.133167	0.00394	0.084659	0.06757
0.04571	0.314393	3.58E-12	0.196752	1.85E-05	0.165837	0.00032	0.184688	5.94E-05
4.39E-08	0.009982	0.82965	0.003008	0.94832	-0.02044	0.65949	-0.0806	0.08187

0.19053	0.179086	9.97E-05	0.110628	0.01677	0.177552	0.00011	0.104119	0.02444
0.26749	0.111464	0.01596	-0.00559	0.90417	0.115493	0.01251	0.159166	0.00056
0.33471	0.150249	0.00113	0.171255	0.0002	0.193143	2.64E-05	0.107468	0.02018
0.00654	0.00735	0.87414	0.111319	0.0161	0.098573	0.0332	0.080778	0.0812
0.9345	0.08923	0.05398	-0.03731	0.42118	-0.07937	0.08665	0.31762	2.09E-12
6.79E-06	-0.13144	0.00444	-0.10275	0.0264	-0.1962	1.95E-05	0.006459	0.88929
2.22E-05	-0.00078	0.98656	-0.00575	0.90134	-0.09047	0.05072	0.025162	0.58755
0.01295	0.080607	0.08184	-0.05789	0.21178	0.010663	0.81823	0.150695	0.00109
1.09E-05	0.264112	6.81E-09	0.261585	9.58E-09	0.175243	0.00014	0.247396	6.08E-08
1.88E-08	0.070811	0.1265	0.167777	0.00027	-0.0713	0.12387	0.155799	0.00073
0.4254	0.122601	0.00799	0.26798	4.02E-09	0.145867	0.00157	0.094674	0.04085
1.81E-11	0.158472	0.00059	0.177998	0.00011	0.092547	0.04562	0.178343	0.00011
0.74961	0.43021	1.84E-22	0.388437	2.87E-18	0.431818	1.23E-22	0.160431	0.0005
0.50954	0.071216	0.12434	0.077305	0.0952	0.01619	0.72712	0.000312	0.99463
5.06E-08	0.134748	0.00353	0.112901	0.01464	0.194304	2.36E-05	0.226069	7.96E-07
0.03049	-0.24162	1.25E-07	-0.20502	7.96E-06	-0.17787	0.00011	-0.20874	5.39E-06
0.16553	0.025106	0.58838	0.119874	0.00952	0.247327	6.14E-08	0.031305	0.49977
0.00805	0.032253	0.48687	0.004246	0.92709	0.122152	0.00823	-0.00989	0.83115
6.38E-08	-0.16926	0.00024	-0.12518	0.00676	-0.0668	0.14949	-0.17248	0.00018
0.63551	0.115402	0.01258	0.209855	4.79E-06	0.241055	1.34E-07	0.255252	2.22E-08
0.56439	0.058878	0.20407	0.090224	0.05135	0.114455	0.01333	0.06566	0.15659
0.72928	0.073232	0.11401	0.142812	0.00198	0.107235	0.02046	0.160835	0.00048
0.73585	0.016304	0.72529	0.013377	0.7731	0.013623	0.76906	-0.00366	0.93714
0.62926	-0.0207	0.65546	0.067857	0.14315	0.002979	0.9488	-0.0002	0.99655
0.1853	-0.00248	0.95731	-0.00079	0.98643	0.01832	0.69293	-0.06425	0.1657
0.03488	-0.06817	0.14129	-0.05067	0.27453	-0.02616	0.57287	0.031083	0.50282
0.12447	-0.09325	0.04398	-0.13819	0.00277	-0.15362	0.00087	-0.22787	6.46E-07
2.77E-08	-0.15137	0.00103	-0.0308	0.50668	-0.0705	0.1282	-0.14291	0.00196
0.26304	0.220354	1.52E-06	0.271101	2.61E-09	0.12239	0.0081	0.049455	0.28619
0.05168	-0.00311	0.9465	-0.13878	0.00265	-0.02084	0.65325	-0.20575	7.38E-06
0.82788	0.064875	0.16161	0.051502	0.26669	0.066526	0.15118	0.034567	0.45614
5.43E-09	0.240068	1.51E-07	0.189481	3.77E-05	0.219736	1.63E-06	0.23592	2.50E-07
0.208	0.015591	0.73684	-0.03563	0.44245	0.060891	0.189	0.019064	0.68114
0.18721	0.067765	0.1437	-0.03803	0.41221	0.013759	0.76681	0.005651	0.90306
8.59E-05	0.129972	0.00491	0.146722	0.00148	0.096049	0.038	0.215204	2.69E-06
0.01149	-0.02223	0.63184	-0.02646	0.56848	-0.05454	0.23945	0.176028	0.00013
0.00795	0.179119	9.94E-05	0.075448	0.10344	0.230836	4.58E-07	0.093514	0.0434
0.82428	-0.2426	1.11E-07	-0.15771	0.00063	-0.2232	1.10E-06	-0.08792	0.05761
0.02227	0.077105	0.09606	0.066524	0.15119	0.057461	0.21518	0.141701	0.00214
0.00306	-0.15423	0.00083	-0.07304	0.11496	-0.10444	0.024	-0.0669	0.14887
0.14151	0.157331	0.00064	0.187043	4.76E-05	0.309732	7.68E-12	0.112836	0.0147
1.86E-06	-0.00658	0.88717	-0.00852	0.85436	0.079847	0.08477	-0.18255	7.25E-05
0.01946	0.151424	0.00103	0.005418	0.90703	0.114679	0.01315	-0.09479	0.04061
1.24E-05	0.208805	5.35E-06	0.156544	0.00069	0.217965	1.99E-06	0.281904	5.58E-10
0.00094	-0.06716	0.14733	0.010812	0.81573	-0.09429	0.04167	0.104945	0.02332

0.00011	0.18669	4.92E-05	0.201747	1.12E-05	0.324707	6.29E-13	0.076403	0.09913
0.29475	-0.04905	0.29018	-0.0414	0.372	-0.06603	0.15423	-0.0017	0.97071
0.3348	-0.07037	0.12886	-0.01806	0.69706	-0.03989	0.3897	-0.05555	0.23082
3.31E-07	-0.06152	0.18449	0.004764	0.91823	0.002921	0.9498	-0.21498	2.76E-06
3.53E-07	0.032053	0.48957	-0.00718	0.877	0.101685	0.028	-0.03878	0.40309
0.06205	-0.01909	0.68065	-0.04488	0.33318	0.026239	0.57166	0.057897	0.21171
0.00092	0.138597	0.00269	0.240109	1.51E-07	0.144296	0.00177	0.041268	0.37357
0.47613	0.248113	5.55E-08	0.274222	1.68E-09	0.270806	2.71E-09	0.226323	7.73E-07
0.00272	-0.2094	5.02E-06	-0.09384	0.04267	-0.25297	2.98E-08	-0.00905	0.84534
5.06E-06	-0.05261	0.2565	-0.12995	0.00491	-0.08684	0.06077	0.015787	0.73365
0.5767	-0.26665	4.82E-09	-0.24469	8.54E-08	-0.26159	9.58E-09	-0.15467	0.0008
3.55E-06	-0.0953	0.03952	-0.11508	0.01283	0.007457	0.87231	-0.15332	0.00089
3.75E-12	0.038868	0.40203	0.196096	1.97E-05	0.071535	0.12265	0.165605	0.00033
0.74602	0.159583	0.00054	0.120791	0.00898	0.1473	0.00141	0.093048	0.04446
0.08975	0.15714	0.00065	0.1802	9.01E-05	0.135787	0.00328	0.221061	1.41E-06
4.64E-05	-0.02016	0.6639	0.078148	0.09163	0.198554	1.54E-05	-0.09635	0.0374
0.3721	-0.10333	0.02555	0.047184	0.30893	-0.0101	0.82767	-0.0858	0.06392
0.50736	0.009321	0.84079	-0.00444	0.92378	-9.64E-05	0.99834	-0.00267	0.95413
0.83001	-0.05799	0.21102	-0.05908	0.20248	-0.1224	0.0081	-0.1188	0.01018
1.55E-08	-0.15822	0.0006	-0.04772	0.30346	0.048113	0.29948	-0.12293	0.00782
3.13E-08	0.026313	0.57057	0.078181	0.09149	0.165648	0.00032	-0.01821	0.69476
0.1512	0.220779	1.45E-06	0.055559	0.23078	0.050912	0.27222	0.093234	0.04403
0.72453	0.150559	0.0011	0.081186	0.07966	-0.02233	0.63032	-0.08105	0.08017
3.72E-07	0.160952	0.00048	0.239337	1.65E-07	0.30452	1.78E-11	0.074753	0.10667
2.00E-08	0.228845	5.77E-07	0.265982	5.28E-09	0.216506	2.33E-06	0.305188	1.60E-11
3.96E-11	-0.12574	0.00651	-0.10961	0.01781	-0.22766	6.63E-07	0.008054	0.86219
1.71E-08	0.109027	0.01843	0.193834	2.47E-05	0.000132	0.99773	0.140181	0.0024
0.30109	0.195803	2.03E-05	0.203687	9.14E-06	0.224237	9.82E-07	0.226701	7.40E-07
0.10124	0.010697	0.81767	0.150577	0.0011	0.191005	3.25E-05	-0.02476	0.5936
0.90833	0.090498	0.05065	0.149857	0.00116	0.174429	0.00015	0.041893	0.36637
6.50E-06	0.257519	1.65E-08	0.20425	8.63E-06	0.184139	6.26E-05	0.172061	0.00019
0.00627	-0.04334	0.35002	-0.02084	0.65334	-0.15359	0.00087	-0.03248	0.48378
0.64172	-0.12169	0.00848	-0.0214	0.64455	-0.08778	0.05802	-0.1083	0.01923
0.05579	-0.21536	2.64E-06	-0.18108	8.31E-05	-0.19421	2.38E-05	-0.22143	1.35E-06
0.00082	-0.02121	0.64751	0.008901	0.84787	-0.04098	0.3769	0.05018	0.27918
0.02165	-0.11138	0.01604	-0.06609	0.15391	-0.20509	7.91E-06	0.009231	0.8423
0.52646	-0.20712	6.40E-06	-0.1105	0.0169	-0.2049	8.06E-06	-0.06016	0.19433
0.05326	-0.43141	1.37E-22	-0.25853	1.44E-08	-0.25709	1.74E-08	-0.22996	5.07E-07
3.57E-22	0.311716	5.56E-12	0.179278	9.80E-05	0.11361	0.01403	0.22189	1.28E-06
0.11971	0.227874	6.46E-07	0.089474	0.05333	0.089564	0.05309	0.028896	0.53335
0.90119	0.197174	1.77E-05	0.128079	0.00557	0.295504	7.28E-11	0.104223	0.0243
0.97672	-0.06679	0.14957	0.042914	0.3548	-0.03245	0.4842	-0.07805	0.09205
0.03788	-0.02789	0.54764	-0.09863	0.0331	-0.15409	0.00083	-0.10089	0.02925
0.04591	0.286646	2.78E-10	0.067998	0.14232	0.136705	0.00307	0.140342	0.00237
0.35278	0.266584	4.87E-09	0.199622	1.39E-05	0.210464	4.49E-06	0.112688	0.01483

0.16125	-0.06414	0.16642	0.166553	0.0003	-0.01232	0.79057	0.075811	0.10179
1.16E-10	-0.08487	0.06687	0.069293	0.13486	0.093416	0.04362	-0.09625	0.03759
0.06747	0.319893	1.43E-12	0.133851	0.00376	0.143986	0.00181	0.125192	0.00675
0.16312	-0.01905	0.68142	-0.09917	0.03215	-0.00291	0.94992	0.019108	0.68045
5.52E-09	-0.01248	0.78787	-0.16708	0.00029	0.039925	0.38933	-0.18116	8.25E-05
0.26504	0.095775	0.03855	0.130336	0.00479	0.17465	0.00015	0.164721	0.00035
0.21154	0.367058	2.43E-16	0.210957	4.26E-06	0.230019	5.04E-07	0.057429	0.21544
0.84449	-0.00668	0.8856	-0.01738	0.70793	0.011512	0.80405	0.014124	0.76082
0.18681	-0.04528	0.32882	-0.08827	0.05664	-0.06774	0.14385	0.027966	0.54661
0.57486	0.000647	0.98887	0.003675	0.93687	0.011902	0.79754	0.027255	0.55685
0.46427	0.042052	0.36455	0.00798	0.86344	0.066552	0.15102	-0.00854	0.85397
0.10267	0.016375	0.72413	0.062583	0.17697	0.067163	0.1473	-0.05197	0.26236
0.36262	-0.01308	0.77798	-0.14364	0.00186	0.051709	0.26477	-0.03221	0.48745
0.59665	0.111579	0.01585	0.091584	0.04793	0.141683	0.00215	0.085573	0.06465
0.006	0.060863	0.1892	-0.02612	0.57334	0.070351	0.12899	0.032825	0.47916
0.429	0.087629	0.05846	0.006622	0.88651	0.099008	0.03243	0.009157	0.84354
0.0958	0.0859	0.06363	-0.0109	0.81423	0.039425	0.3953	0.126316	0.00627
0.03032	0.073412	0.11312	-0.06076	0.18993	0.200873	1.22E-05	0.043073	0.35301
0.05945	0.021341	0.64551	0.047094	0.30985	0.181904	7.70E-05	0.065859	0.15533
7.58E-22	0.201921	1.10E-05	0.18454	6.03E-05	0.095637	0.03884	0.393212	1.02E-18
0.00119	0.220252	1.54E-06	0.03358	0.4691	-0.06337	0.17159	0.046933	0.31151
0.00855	-0.00832	0.85761	-0.07871	0.08931	0.024267	0.60092	-0.03658	0.43033
0.04352	0.020619	0.65673	0.058707	0.20538	0.078613	0.08971	-0.05478	0.23738
0.06083	-0.13317	0.00394	-0.13828	0.00275	-0.05915	0.20199	-0.15722	0.00065
0.00068	0.18635	5.08E-05	0.225227	8.77E-07	0.211428	4.05E-06	0.19848	1.55E-05
0.57061	0.141337	0.0022	-0.13973	0.00248	0.019548	0.67351	0.059125	0.20217
0.94381	0.226158	7.88E-07	0.221061	1.41E-06	0.327471	3.90E-13	0.093523	0.04338
0.00453	-0.09988	0.03092	-0.06277	0.17571	-0.11708	0.01134	0.10807	0.01949
0.21048	-0.00261	0.9551	0.047723	0.30342	0.109728	0.01769	-0.00531	0.9088
0.51368	0.276229	1.26E-09	0.329047	2.97E-13	0.359107	1.16E-15	0.126415	0.00623
3.33E-05	-0.01012	0.8274	0.030405	0.51217	0.082249	0.07579	-0.01517	0.74377
4.08E-08	0.04551	0.32642	0.055439	0.23179	0.135676	0.00331	-0.06754	0.14504
0.00371	-0.06983	0.13183	-0.01936	0.67639	-0.04311	0.35262	0.003559	0.93887
3.29E-09	-0.04272	0.35694	-0.00762	0.86952	0.112139	0.01533	-0.11175	0.01569
1.04E-05	-0.04657	0.31522	-0.07151	0.1228	-0.02018	0.66351	-0.15608	0.00071
0.00127	-0.26019	1.15E-08	-0.38473	6.35E-18	-0.31707	2.29E-12	-0.19168	3.05E-05
0.18546	0.332898	1.51E-13	0.161886	0.00044	0.325206	5.77E-13	0.08485	0.06695
0.0002	-0.05328	0.25048	-0.01223	0.79201	-0.13281	0.00404	0.013922	0.76412
0.44007	-0.09402	0.04227	0.010411	0.82246	-0.09442	0.0414	-0.01752	0.70564
0.13858	0.084628	0.06767	0.092637	0.04541	0.227704	6.59E-07	-0.00682	0.88314
0.10592	0.254839	2.34E-08	0.200337	1.29E-05	0.080683	0.08155	0.159277	0.00055
0.55716	-0.13332	0.0039	-0.05413	0.24306	-0.11587	0.01222	-0.15263	0.00094
0.00023	-0.17621	0.00013	-0.09136	0.04848	-0.21196	3.82E-06	0.076829	0.09726
0.01015	0.096551	0.037	0.095126	0.03989	0.097287	0.03558	0.162145	0.00043
4.39E-09	0.006452	0.88941	0.163994	0.00037	0.259392	1.28E-08	-0.06248	0.17768

0.61518	0.021983	0.63562	0.026943	0.56138	0.011628	0.80211	0.030894	0.50541
0.53049	-0.01726	0.70993	-0.00271	0.9534	-0.01304	0.77861	-0.04711	0.30971
0.58582	0.002888	0.95036	0.079184	0.0874	0.044944	0.33248	0.042899	0.35496
0.46154	0.148521	0.00129	0.100528	0.02985	0.190238	3.50E-05	0.113576	0.01406
0.00721	-0.10583	0.02218	0.020452	0.65934	-0.12258	0.008	-0.13208	0.00425
0.49412	0.316007	2.74E-12	0.181515	7.98E-05	0.199051	1.47E-05	0.140741	0.0023
0.94017	0.311637	5.63E-12	0.196836	1.83E-05	0.325621	5.38E-13	0.146277	0.00153
0.42357	0.425922	5.28E-22	0.32466	6.34E-13	0.432402	1.07E-22	0.20097	1.21E-05
0.00531	-0.07339	0.11323	-0.05271	0.25562	-0.01744	0.70702	-0.11876	0.01021
0.20806	0.052061	0.26153	-0.15341	0.00088	-0.05841	0.20772	-0.12483	0.00691
0.00083	-0.06109	0.18754	0.056574	0.22236	0.068042	0.14206	-0.08655	0.06164
0.98048	0.296876	5.89E-11	0.152896	0.00092	0.205983	7.20E-06	0.144426	0.00175
0.06269	0.241268	1.31E-07	0.274793	1.55E-09	0.207132	6.39E-06	0.419208	2.67E-21
5.68E-18	-0.22479	9.22E-07	-0.16264	0.00042	-0.04579	0.32349	-0.27398	1.74E-09
0.08547	-0.20396	8.89E-06	-0.17695	0.00012	-0.13391	0.00374	-0.18826	4.24E-05
0.00314	-0.27179	2.37E-09	-0.01413	0.76077	-0.0327	0.48081	-0.12773	0.00571
4.86E-05	0.003239	0.94434	0.033861	0.46539	-0.03553	0.44367	0.057515	0.21475
0.84745	-0.00514	0.91183	0.031262	0.50035	-0.00559	0.90403	0.047882	0.30181
0.61804	0.003182	0.94532	-0.0778	0.0931	0.004855	0.91667	-0.02806	0.54519
0.61039	-0.00448	0.92306	0.013563	0.77004	0.003278	0.94367	-0.02308	0.61882
1.53E-06	-0.18418	6.23E-05	-0.19958	1.39E-05	-0.27893	8.58E-10	0.104015	0.02459
0.00475	0.262355	8.64E-09	0.144156	0.00179	0.140744	0.0023	0.27382	1.78E-09
7.62E-05	0.005943	0.89808	0.005376	0.90776	0.115985	0.01213	-0.00609	0.89553
0.31996	0.116089	0.01206	0.045033	0.33152	0.11481	0.01304	0.016524	0.72172
0.01902	0.012078	0.79462	-0.083	0.07315	-0.02813	0.54426	-0.02134	0.64548
0.00514	-0.03073	0.50764	0.023217	0.61677	0.067236	0.14685	-0.14957	0.00119
1.27E-11	-0.12897	0.00525	-0.1322	0.00421	-0.21113	4.18E-06	-0.01621	0.72672
0.07334	-0.07009	0.1304	-0.07701	0.09646	-0.1397	0.00248	0.058028	0.21068
8.68E-23	0.140594	0.00232	0.207062	6.43E-06	0.0427	0.35721	0.246163	7.10E-08
4.08E-06	0.050448	0.27661	-0.13513	0.00344	-0.08689	0.06063	0.068982	0.13662
0.00939	0.033859	0.46543	-0.02513	0.588	-0.08714	0.05988	0.085165	0.06594
0.06984	-0.1221	0.00826	-0.12884	0.0053	-0.10592	0.02206	-0.09769	0.03481
4.24E-10	-0.10064	0.02966	0.151933	0.00099	-0.07694	0.09676	0.092895	0.04481
0.02756	0.082852	0.07366	0.131142	0.00453	0.091123	0.04907	-0.02814	0.54414
0.00368	-0.10894	0.01853	-0.01613	0.72802	-0.06072	0.19022	-0.04704	0.31044
3.65E-08	0.159598	0.00054	0.243845	9.49E-08	0.100229	0.03034	0.16698	0.00029
1.84E-06	-0.02178	0.6388	0.080607	0.08184	0.029168	0.5295	0.153834	0.00085
6.91E-05	0.156246	0.0007	0.098207	0.03386	0.183733	6.50E-05	0.13161	0.00439
8.69E-14	0.357225	1.68E-15	0.210352	4.54E-06	0.150727	0.00109	0.263822	7.09E-09
0.2018	-0.04324	0.3511	-0.03528	0.44691	0.001324	0.97724	-0.05144	0.26726
0.98336	0.042205	0.36282	0.007036	0.87946	0.025262	0.58607	0.068063	0.14194
0.0119	0.046851	0.31235	0.128782	0.00532	0.229632	5.27E-07	0.02612	0.5734
2.47E-05	-0.0802	0.0834	0.063525	0.17053	0.165761	0.00032	-0.1174	0.01111
0.00701	0.153222	0.00089	0.163937	0.00037	0.232225	3.88E-07	0.14776	0.00136
0.71122	0.150051	0.00114	0.130841	0.00462	0.19027	3.49E-05	0.097283	0.03558



0.59414	0.047204	0.30872	-0.00308	0.947	0.07603	0.1008	0.04299	0.35394
3.82E-13	0.087885	0.05772	0.098365	0.03357	0.038145	0.41085	0.220102	1.57E-06
1.31E-07	0.078013	0.0922	0.161196	0.00047	0.197659	1.69E-05	-0.10765	0.01998
0.00136	0.322762	8.78E-13	0.267014	4.59E-09	0.125097	0.00679	0.24851	5.28E-08
2.42E-06	-0.29267	1.12E-10	-0.17814	0.00011	-0.23273	3.66E-07	-0.27938	8.04E-10
2.91E-06	0.332446	1.63E-13	0.266395	4.99E-09	0.128674	0.00536	0.154487	0.00081
6.88E-07	0.143379	0.0019	0.06188	0.1819	0.074902	0.10597	0.080059	0.08395
0.00022	0.089814	0.05243	0.08366	0.07088	0.061251	0.18639	-0.06754	0.14506
0.18926	0.272316	2.20E-09	0.045069	0.33114	0.07103	0.12532	0.095264	0.03961
0.00819	-0.08736	0.05923	-0.17496	0.00014	-0.14615	0.00154	-0.10415	0.0244
0.00183	0.006664	0.88579	-0.06541	0.15819	-0.06926	0.13504	-0.07692	0.09687
2.21E-19	-0.00727	0.87544	0.041524	0.37061	-0.08956	0.05309	0.278176	9.57E-10
0.00069	-0.07801	0.09222	0.021792	0.63855	0.022	0.63536	-0.01775	0.70199
0.06486	0.059897	0.19633	-0.01748	0.70629	0.093813	0.04273	-0.04956	0.28512
0.00453	0.016785	0.71751	0.116799	0.01154	0.043522	0.34802	0.110726	0.01668
0.58076	0.053822	0.24571	0.053269	0.25061	0.093865	0.04261	-0.01351	0.77085
0.31189	0.09507	0.04001	0.070087	0.13043	0.12865	0.00536	0.098954	0.03252
8.66E-11	-0.03622	0.43487	-0.05216	0.26061	0.089279	0.05385	-0.12416	0.00722
0.0288	0.092796	0.04504	0.032031	0.48987	0.050986	0.27152	-0.03753	0.41849
1.53E-08	-0.01619	0.7271	0.04488	0.33317	0.08766	0.05837	-0.0713	0.12392
0.00269	0.084951	0.06662	0.101873	0.02771	0.22375	1.04E-06	0.052975	0.25323
0.19387	-0.02898	0.53221	-0.07139	0.12343	-0.04648	0.31615	-0.00799	0.86334
1.39E-06	0.024942	0.59083	0.130215	0.00483	0.19552	2.09E-05	-0.10021	0.03037
7.15E-07	0.031711	0.49421	-0.0238	0.60786	0.093531	0.04336	-0.11256	0.01494
0.0025	-0.24661	6.72E-08	-0.2075	6.15E-06	-0.2032	9.62E-06	-0.2158	2.52E-06
0.72851	0.093755	0.04286	0.093408	0.04364	0.141249	0.00222	0.132291	0.00419
1.26E-05	-0.05055	0.27569	0.106635	0.02118	0.135721	0.0033	-0.07325	0.11392
3.17E-18	-0.01317	0.77647	0.119089	0.01	0.338832	5.22E-14	-0.21202	3.80E-06
4.09E-06	0.178259	0.00011	0.242319	1.15E-07	0.183605	6.58E-05	0.11257	0.01494
0.90764	0.097244	0.03566	0.123699	0.00744	0.123876	0.00736	0.071031	0.12532
0.72066	0.084098	0.06941	0.067752	0.14377	0.081772	0.07751	0.043488	0.3484
1.01E-07	0.097485	0.0352	-0.05033	0.2777	0.204922	8.04E-06	0.015389	0.74013
0.00882	0.018143	0.69576	-0.0705	0.12815	0.02724	0.55707	-0.00303	0.94799
0.04124	0.081623	0.07805	0.136991	0.00301	0.198728	1.52E-05	0.043549	0.34772
0.0252	0.156173	0.00071	0.002366	0.95934	0.06486	0.16171	-0.14633	0.00152
0.0067	-0.06066	0.1907	-0.13722	0.00296	-0.14525	0.00165	0.167572	0.00028
0.65232	-0.03189	0.49174	-0.08274	0.07406	-0.04022	0.38582	0.02531	0.58536
2.70E-05	0.193893	2.45E-05	0.212605	3.57E-06	0.263014	7.91E-09	0.228823	5.79E-07
0.01835	0.118603	0.01031	0.072118	0.11963	0.183858	6.42E-05	0.1371	0.00299
0.00064	0.078556	0.08995	0.152142	0.00097	0.181485	8.01E-05	0.032674	0.48119
0.00687	-0.02115	0.64844	-0.02644	0.56869	-0.01325	0.77512	-0.11872	0.01024
0.59498	0.222304	1.22E-06	0.108327	0.0192	0.288081	2.24E-10	0.247922	5.69E-08
7.09E-10	0.279951	7.41E-10	0.17383	0.00016	0.032084	0.48916	0.211387	4.06E-06
0.23948	-0.04771	0.30359	-0.01409	0.7613	-0.01452	0.75436	0.109388	0.01805
1.68E-05	-0.18708	4.74E-05	-0.07421	0.10927	-0.16397	0.00037	0.148777	0.00126

0.23114	-0.00796	0.86376	0.022259	0.63138	-0.01141	0.80576	0.026349	0.57005
0.0081	-0.02687	0.5624	-0.03314	0.47494	-0.05898	0.20332	0.044127	0.34135
0.06992	-0.19013	3.54E-05	-0.05159	0.26585	-0.1155	0.0125	-0.09818	0.03391
0.11751	0.086085	0.06306	-0.01878	0.68557	0.082401	0.07525	-0.00065	0.9889
0.37809	0.201802	1.11E-05	0.147281	0.00141	0.190635	3.37E-05	0.026565	0.56689
0.00169	0.364536	4.01E-16	0.125613	0.00657	0.19283	2.72E-05	-0.02957	0.52382
0.04151	0.168383	0.00026	0.293754	9.52E-11	0.286672	2.77E-10	0.193329	2.59E-05
1.18E-15	-0.0954	0.03931	-0.0754	0.10368	-0.10608	0.02186	0.123672	0.00746
0.01097	0.014273	0.75837	-0.11598	0.01214	-0.03617	0.43549	-0.04957	0.28511
7.87E-14	-0.05516	0.23418	0.119887	0.00951	-0.07233	0.11854	0.241045	1.34E-07
0.06784	0.143537	0.00187	0.166316	0.00031	0.094419	0.0414	0.14009	0.00241
0.00136	0.029512	0.52465	0.217276	2.14E-06	0.162804	0.00041	0.080805	0.08109
0.0003	-0.01267	0.78487	0.173187	0.00017	0.122127	0.00824	0.062854	0.1751
0.12713	-0.00099	0.98305	0.182328	7.41E-05	0.1128	0.01473	-0.0422	0.36287
0.29322	-0.08962	0.05293	0.133239	0.00392	0.076612	0.09821	0.056437	0.22349
0.00094	0.230792	4.60E-07	0.271483	2.47E-09	0.317319	2.20E-12	0.135913	0.00325
0.01374	0.057447	0.21529	0.225312	8.68E-07	0.198313	1.58E-05	0.058906	0.20385
4.53E-06	-0.09496	0.04025	-0.24384	9.50E-08	-0.23345	3.36E-07	0.051938	0.26265
0.35149	0.275663	1.37E-09	0.365364	3.40E-16	0.368198	1.93E-16	0.27306	1.98E-09
1.31E-16	-0.04568	0.32466	-0.07278	0.11628	0.07497	0.10565	-0.18063	8.66E-05
1.82E-20	0.108264	0.01927	0.098907	0.03261	-0.01177	0.7997	0.430281	1.81E-22
0.08421	-0.12689	0.00603	-0.11893	0.0101	-0.20402	8.83E-06	-0.1699	0.00023
0.20822	0.178297	0.00011	0.282827	4.87E-10	0.307154	1.16E-11	0.190442	3.44E-05
4.45E-10	0.117644	0.01095	0.03685	0.42692	0.1343	0.00364	0.152447	0.00095
0.05719	0.07468	0.10701	0.082934	0.07337	0.095248	0.03964	0.124629	0.00701
0.00176	0.156752	0.00068	0.19046	3.43E-05	0.271745	2.38E-09	0.147766	0.00136
4.33E-07	-0.04667	0.31419	0.031586	0.49592	0.092453	0.04584	-0.11332	0.01428
0.38906	0.052946	0.25349	-0.00183	0.9686	0.219038	1.76E-06	0.046849	0.31237
8.53E-08	0.085859	0.06375	0.023967	0.60542	0.127378	0.00584	-0.01307	0.77813
0.57315	0.056638	0.22184	0.129164	0.00518	0.085463	0.06499	0.196382	1.92E-05
0.14184	-0.09687	0.03638	-0.0503	0.27806	-0.06437	0.16492	-0.01358	0.76975
0.9167	0.087109	0.05997	0.090511	0.05061	0.087779	0.05803	0.080978	0.08044
0.79387	0.132128	0.00423	0.177859	0.00011	0.130352	0.00478	0.165111	0.00034
0.73122	-0.0063	0.89205	-0.00751	0.87144	-0.01306	0.77836	0.070383	0.12882
0.42404	0.195333	2.13E-05	0.395651	5.97E-19	0.373712	6.32E-17	0.087671	0.05834
0.30852	0.142331	0.00205	0.327625	3.80E-13	0.349644	7.10E-15	0.070422	0.1286
0.01817	-0.02979	0.52078	-0.0282	0.54322	-0.15818	0.0006	-0.03767	0.4167
0.00107	0.269805	3.12E-09	0.14435	0.00176	0.085406	0.06517	0.190541	3.40E-05
0.0008	0.059588	0.19866	0.085957	0.06345	0.115916	0.01219	-0.04171	0.36852
1.51E-07	0.413736	9.75E-21	0.265066	5.99E-09	0.274819	1.54E-09	0.037991	0.41273
1.01E-05	0.257614	1.63E-08	0.419166	2.70E-21	0.425774	5.47E-22	-0.02493	0.591
0.26137	0.011757	0.79996	0.134803	0.00352	0.153675	0.00086	0.061787	0.18255
0.86186	0.138168	0.00277	0.171274	0.0002	0.050589	0.27527	0.140996	0.00226
1.88E-06	0.316274	2.62E-12	0.254519	2.44E-08	0.341141	3.43E-14	0.285463	3.31E-10
2.53E-06	-0.06362	0.16992	0.126459	0.00621	0.050339	0.27765	-0.02653	0.56747

0.00213	0.309426	8.07E-12	0.318293	1.87E-12	0.255214	2.23E-08	0.210954	4.26E-06
3.28E-06	0.415899	5.86E-21	0.38077	1.46E-17	0.365679	3.20E-16	0.2725	2.14E-09
6.33E-06	0.22384	1.03E-06	0.303464	2.10E-11	0.144589	0.00173	0.154935	0.00078
0.72705	0.252393	3.21E-08	0.069192	0.13543	-0.01611	0.72845	0.036792	0.42765
0.07117	0.092619	0.04545	0.097621	0.03495	0.059804	0.19703	0.166402	0.0003
0.05293	-0.1133	0.01429	-0.01187	0.79805	-0.20571	7.41E-06	0.060613	0.19103
0.03804	0.309824	7.56E-12	0.415155	6.99E-21	0.485184	5.99E-29	0.043757	0.34542
0.74998	0.403336	1.07E-19	0.249193	4.84E-08	0.400677	1.95E-19	0.066623	0.15059
0.01419	0.024005	0.60486	0.098768	0.03285	0.055442	0.23177	0.064288	0.16545
7.00E-05	-0.0318	0.49296	0.282734	4.94E-10	0.086059	0.06314	-0.08523	0.06572
0.06139	-0.09274	0.04517	0.293237	1.03E-10	0.107296	0.02039	0.023222	0.61668
3.01E-11	0.083046	0.07298	-0.00121	0.97921	0.041669	0.36895	-0.06943	0.13408
0.00198	0.129789	0.00497	0.221252	1.38E-06	0.24505	8.17E-08	-0.09275	0.04515
0.01066	0.258792	1.39E-08	0.324023	7.07E-13	0.300017	3.61E-11	0.14318	0.00192
0.18382	0.152197	0.00097	0.05305	0.25256	0.185068	5.74E-05	0.170475	0.00021
0.00656	-0.08617	0.06281	-0.16017	0.00051	-0.16649	0.0003	-0.10842	0.0191
7.88E-09	0.173778	0.00016	0.159734	0.00053	0.082247	0.0758	0.342591	2.63E-14
0.00592	0.229721	5.21E-07	0.23418	3.08E-07	0.251397	3.65E-08	0.102095	0.02737
0.10134	0.221212	1.38E-06	0.083257	0.07226	0.165599	0.00033	0.02428	0.60073
0.89313	0.343856	2.09E-14	0.459791	8.32E-26	0.443745	5.95E-24	0.179447	9.65E-05
0.02088	-0.00127	0.97819	0.217742	2.03E-06	0.222653	1.17E-06	0.003487	0.9401
0.00086	-0.08079	0.08113	-0.19533	2.13E-05	-0.1186	0.01032	-0.04242	0.36038
0.346	0.185369	5.58E-05	0.182761	7.11E-05	0.1848	5.88E-05	0.016738	0.71828
1.07E-05	-0.07631	0.09953	-0.00127	0.97808	0.063145	0.17311	-0.0275	0.55329
0.11095	0.105677	0.02237	0.151023	0.00106	0.136495	0.00312	0.097883	0.03446
0.07257	0.163021	0.0004	-0.01264	0.7853	-0.04771	0.3036	-0.01323	0.77553
2.92E-13	-0.27519	1.46E-09	0.133739	0.00379	0.083612	0.07104	-0.15971	0.00053
0.00165	0.098278	0.03373	0.182863	7.05E-05	0.373946	6.02E-17	0.010697	0.81766
0.00772	0.078296	0.09102	0.140799	0.00229	0.169033	0.00024	0.085076	0.06622
0.01575	0.19629	1.94E-05	0.313597	4.08E-12	0.296081	6.66E-11	-0.10786	0.01974
2.93E-25	0.301033	3.08E-11	0.418686	3.03E-21	0.199226	1.44E-05	0.384969	6.04E-18
0.02694	0.443049	7.13E-24	0.476424	7.78E-28	0.395393	6.32E-19	0.256708	1.83E-08
0.04411	0.157369	0.00064	0.257654	1.62E-08	0.214239	2.99E-06	-0.02325	0.61624
2.00E-06	0.405966	5.89E-20	0.379034	2.11E-17	0.386642	4.22E-18	0.217004	2.21E-06
1.86E-18	-0.2602	1.15E-08	0.075791	0.10188	0.03026	0.51419	-0.2402	1.49E-07
2.21E-09	-0.26382	7.09E-09	0.129434	0.00509	0.050086	0.28008	-0.15129	0.00104
4.87E-19	0.350104	6.52E-15	0.479327	3.35E-28	0.261172	1.01E-08	0.262774	8.17E-09
0.13512	0.26592	5.33E-09	0.202679	1.01E-05	0.119589	0.00969	0.126563	0.00617
0.01748	0.260336	1.13E-08	0.299753	3.77E-11	0.251966	3.39E-08	0.160709	0.00049
0.19278	0.263415	7.49E-09	0.277282	1.09E-09	0.307628	1.08E-11	0.071486	0.12291
0.25717	0.153871	0.00085	0.106405	0.02146	0.237308	2.12E-07	0.231261	4.35E-07
0.39199	0.24008	1.51E-07	0.21319	3.35E-06	0.314717	3.39E-12	0.168017	0.00027
0.4382	-0.05809	0.21021	0.036663	0.42927	-0.01671	0.71871	-0.14007	0.00241
2.27E-09	-0.10149	0.02831	0.323596	7.61E-13	0.156373	0.0007	-0.00659	0.88703
0.39955	0.156124	0.00071	0.122242	0.00818	0.164427	0.00036	-0.00567	0.90276

0.00031	0.102996	0.02603	-0.03427	0.46	-0.07271	0.11662	-0.08689	0.06063
0.63298	0.215171	2.70E-06	0.203278	9.54E-06	0.307166	1.16E-11	0.148507	0.00129
2.16E-09	-0.07497	0.10567	-0.05096	0.27179	0.006763	0.88411	-0.12549	0.00662
2.14E-10	0.266312	5.05E-09	0.323057	8.35E-13	0.193477	2.56E-05	0.360282	9.26E-16
1.33E-20	-0.1564	0.00069	-0.04929	0.28782	0.004622	0.92065	-0.27432	1.66E-09
3.12E-05	0.366883	2.51E-16	0.26649	4.93E-09	0.278007	9.80E-10	0.09228	0.04625
0.00041	0.401474	1.63E-19	0.365484	3.32E-16	0.385229	5.71E-18	0.223009	1.13E-06
0.01192	0.27887	8.66E-10	0.38205	1.12E-17	0.353562	3.38E-15	0.147634	0.00138
0.8804	0.095137	0.03987	0.032915	0.47797	0.093165	0.04419	0.052815	0.25467
5.01E-07	-0.08924	0.05396	0.185411	5.55E-05	0.188853	4.00E-05	-0.11591	0.01219
0.13107	0.32238	9.37E-13	0.172844	0.00017	0.287405	2.48E-10	-0.05679	0.22058
0.96663	-0.22437	9.67E-07	-0.12965	0.00501	-0.27323	1.93E-09	-0.14234	0.00205
0.6726	0.139857	0.00245	0.111279	0.01614	0.201347	1.16E-05	0.059181	0.20174
0.72882	0.010062	0.82832	-0.12911	0.0052	0.003847	0.93392	0.026238	0.57167
1.41E-05	0.100982	0.02911	0.170959	0.00021	0.122919	0.00783	-0.1808	8.53E-05
0.00071	-0.02319	0.61716	-0.01308	0.77799	0.046682	0.3141	-0.0632	0.17273
0.92903	0.019428	0.67539	0.249946	4.40E-08	0.145017	0.00168	0.139742	0.00247
4.03E-11	0.309693	7.73E-12	0.296164	6.57E-11	0.165268	0.00034	0.247289	6.16E-08
0.30049	0.044996	0.33192	-0.00134	0.977	0.034284	0.45983	-0.02475	0.59374
1.07E-07	0.033625	0.46852	0.122222	0.00819	0.177178	0.00012	0.021508	0.64294
0.02043	0.097051	0.03603	0.066474	0.1515	0.093955	0.04241	0.15373	0.00086
3.89E-06	0.064098	0.1667	0.158999	0.00056	0.045569	0.3258	0.168355	0.00026
0.00216	-0.09569	0.03872	-0.19451	2.31E-05	-0.18091	8.44E-05	-0.31664	2.46E-12
0.01597	-0.14103	0.00225	-0.12068	0.00904	-0.14544	0.00163	-0.24155	1.26E-07
2.93E-11	0.105601	0.02247	0.123525	0.00753	0.100985	0.02911	0.113879	0.0138
0.59733	0.043861	0.34428	-0.04824	0.29821	-0.01688	0.71596	-0.04011	0.38714
2.07E-08	-0.13128	0.00449	-0.18852	4.13E-05	-0.31863	1.77E-12	-0.05724	0.21699
0.22333	-0.06878	0.13777	-0.06322	0.17261	-0.01986	0.66859	-0.18369	6.52E-05
0.18105	-0.05689	0.21978	-0.16699	0.00029	-0.09208	0.04672	-0.18308	6.91E-05
0.17682	-0.02962	0.52312	-0.08265	0.07438	-0.03725	0.42197	-0.19124	3.18E-05
0.44324	0.021122	0.6489	-0.11101	0.01639	-0.12874	0.00533	-0.09076	0.04998
0.00159	0.062158	0.17994	-0.01828	0.69363	0.010426	0.82221	-0.00841	0.85622
0.87622	-0.10012	0.03053	-0.14907	0.00123	-0.18638	5.07E-05	-0.21049	4.47E-06
0.22523	-0.14295	0.00196	-0.17924	9.84E-05	-0.12652	0.00618	-0.18722	4.68E-05
0.01421	0.056833	0.22025	0.06668	0.15023	-0.01058	0.8196	-0.08412	0.06935
0.4635	-0.12089	0.00892	-0.17889	0.0001	-0.18717	4.70E-05	-0.1664	0.0003
0.86	-0.27728	1.09E-09	-0.15788	0.00062	-0.22475	9.25E-07	-0.14402	0.00181
0.00342	-0.20432	8.56E-06	-0.26983	3.11E-09	-0.28854	2.09E-10	-0.2299	5.10E-07
0.07508	0.074667	0.10707	0.149576	0.00119	0.138331	0.00274	0.068377	0.1401
0.01156	-0.0301	0.5164	-0.15292	0.00092	-0.05667	0.22157	-0.12113	0.00879
0.00395	0.04296	0.35428	-0.03224	0.487	-0.04678	0.31305	-0.06153	0.18439
0.02008	-0.09239	0.04598	-0.07263	0.11701	-0.07142	0.12324	-0.13198	0.00428
0.09066	0.079073	0.08785	-0.02037	0.66067	0.07614	0.1003	-0.13459	0.00357
0.21232	-0.03432	0.4594	-0.05235	0.25888	-0.05302	0.25279	-0.10869	0.0188
0.86803	-0.07216	0.11939	-0.10964	0.01778	-0.15244	0.00095	-0.16323	0.0004

0.01024	-0.11649	0.01176	-0.08349	0.07145	-0.06349	0.17076	-0.22993	5.09E-07
0.2772	-0.17467	0.00015	-0.21372	3.16E-06	-0.23334	3.40E-07	-0.31148	5.77E-12
0.04499	-0.0452	0.32974	-0.0248	0.59292	-0.04649	0.3161	-0.07377	0.11135
0.03768	-0.07908	0.0878	-0.05146	0.26708	-0.10636	0.02151	-0.11967	0.00964
0.26358	-0.21953	1.67E-06	-0.14311	0.00193	-0.18366	6.54E-05	-0.20043	1.28E-05
0.21291	0.04455	0.33674	0.007349	0.87415	-0.08583	0.06385	0.00128	0.97798
0.00472	-0.06334	0.1718	-0.11925	0.0099	-0.04771	0.3036	-0.19453	2.30E-05
0.03922	-0.06493	0.16126	-0.10371	0.02501	-0.15387	0.00085	-0.17657	0.00013
0.20797	-0.00113	0.98052	-0.04612	0.32	-0.03474	0.4539	-0.11373	0.01392
0.5771	-0.11745	0.01108	-0.13222	0.00421	-0.16928	0.00024	-0.2056	7.50E-06
0.22045	-0.22517	8.83E-07	-0.2141	3.03E-06	-0.25925	1.31E-08	-0.21746	2.10E-06
0.00011	0.098454	0.03341	0.054316	0.2414	0.062297	0.17897	0.041249	0.37379
0.18015	-0.14976	0.00117	-0.11951	0.00974	-0.10866	0.01884	-0.19467	2.27E-05
0.01327	-0.01576	0.73402	-0.07393	0.11059	-0.07742	0.09471	-0.03842	0.40748
0.57039	-0.22832	6.14E-07	-0.22393	1.02E-06	-0.27332	1.91E-09	-0.29524	7.58E-11
0.13961	-0.13717	0.00297	-0.14289	0.00196	-0.18828	4.23E-05	-0.21105	4.21E-06
0.00013	-0.03784	0.41465	-0.0282	0.54332	-0.06942	0.13413	-0.02296	0.62069
0.01244	0.022707	0.62453	-0.00444	0.92371	-0.02032	0.66141	-0.05269	0.25583
0.26656	-0.08144	0.07873	-0.10112	0.02889	-0.10654	0.02129	-0.15301	0.00091
0.007	-0.04816	0.29899	-0.06108	0.18759	-0.11914	0.00997	-0.07232	0.1186
0.17229	-0.21854	1.86E-06	-0.2039	8.94E-06	-0.24571	7.52E-08	-0.2344	3.00E-07
0.13778	-0.13965	0.00249	-0.14941	0.0012	-0.16142	0.00046	-0.24178	1.23E-07
0.00055	-0.25362	2.74E-08	-0.24483	8.39E-08	-0.26141	9.81E-09	-0.3431	2.40E-14
4.25E-05	-0.23885	1.76E-07	-0.21908	1.75E-06	-0.16818	0.00026	-0.26702	4.59E-09
0.87272	-0.12023	0.0093	-0.13945	0.00253	-0.15082	0.00108	-0.16788	0.00027
4.37E-07	-0.1898	3.65E-05	-0.12073	0.00901	-0.08003	0.08408	-0.28088	6.47E-10
0.01604	-0.06313	0.17319	-0.06912	0.13584	-0.10768	0.01994	-0.12804	0.00559
0.37738	-0.14261	0.00201	-0.11553	0.01248	-0.15869	0.00058	-0.16529	0.00033
8.46E-07	0.123043	0.00777	0.009191	0.84297	-0.04706	0.31024	-0.02176	0.63902
0.00027	0.505857	1.04E-31	0.255764	2.07E-08	0.297154	5.64E-11	0.093375	0.04371
0.72373	0.015638	0.73607	-0.01421	0.75933	0.019825	0.66915	-0.05962	0.19842
0.00028	-0.30826	9.74E-12	-0.24982	4.47E-08	-0.29249	1.15E-10	-0.36975	1.41E-16
0.00629	-0.14716	0.00143	-0.03861	0.40512	-0.0245	0.59737	-0.10703	0.02071
0.13601	-0.03738	0.42032	-0.03779	0.41528	-0.05394	0.24472	-0.07536	0.10384
0.17719	-0.22593	8.08E-07	-0.22138	1.36E-06	-0.22767	6.62E-07	-0.27014	2.98E-09
0.20936	-0.0778	0.0931	-0.14636	0.00152	-0.17851	0.00011	-0.12572	0.00652
0.15423	-0.14551	0.00162	-0.16811	0.00026	-0.2005	1.27E-05	-0.27758	1.04E-09
0.00621	-0.00262	0.95503	-0.06728	0.1466	-0.09007	0.05176	-0.03268	0.48107
0.00196	-0.05517	0.23408	-0.03723	0.42211	-0.10032	0.03019	-0.02584	0.57748
0.2093	-0.18063	8.66E-05	-0.16111	0.00047	-0.20392	8.92E-06	-0.25781	1.58E-08
0.11552	-0.12144	0.00861	-0.078	0.09227	-0.07018	0.1299	-0.07948	0.08621
0.00244	-0.04338	0.3496	-0.04534	0.3282	-0.06379	0.16873	-0.09518	0.03978
0.00209	0.053039	0.25266	-0.09198	0.04696	-0.06596	0.15467	-0.18385	6.43E-05
4.87E-07	0.067718	0.14397	-0.05507	0.23492	-0.03304	0.4763	0.056161	0.22576
2.59E-05	-0.16893	0.00025	-0.2103	4.57E-06	-0.30714	1.17E-11	-0.24929	4.78E-08

7.92E-09	0.067704	0.14406	0.022532	0.62719	-0.07025	0.12955	0.104194	0.02434
0.58928	-0.06045	0.19222	-0.16169	0.00045	-0.17907	9.99E-05	-0.14254	0.00202
0.14205	-0.13257	0.00411	-0.15937	0.00055	-0.2728	2.05E-09	-0.09869	0.033
1.15E-09	0.142884	0.00197	0.050457	0.27653	0.012457	0.78832	0.142355	0.00204
0.72977	0.056364	0.22408	0.035968	0.43808	0.039734	0.39162	-0.05457	0.23916
0.03258	-0.18953	3.75E-05	-0.07017	0.13	-0.14986	0.00116	0.008848	0.84876
3.28E-06	-0.06137	0.1855	-0.15146	0.00103	-0.08428	0.06881	-0.31685	2.38E-12
0.08392	-0.10468	0.02368	-0.08615	0.06285	-0.06453	0.16384	-0.17016	0.00022
0.01252	-0.01125	0.80836	-0.06498	0.16095	-0.11319	0.01439	-0.0596	0.19853
0.26291	-0.20879	5.36E-06	-0.25602	2.01E-08	-0.36432	4.18E-16	-0.14842	0.0013
0.26843	-0.07262	0.11709	-0.08279	0.07388	-0.05218	0.26047	-0.1256	0.00657
0.08046	0.043209	0.3515	-0.0098	0.83265	0.009735	0.83381	-0.00797	0.86363
0.18722	-0.03312	0.47528	-0.06205	0.18071	-0.06986	0.13166	-0.04054	0.38209
0.24886	0.018609	0.68834	-0.04942	0.28649	-0.02383	0.60748	-0.03703	0.42467
0.55131	-0.02959	0.52352	-0.10987	0.01754	-0.07713	0.09595	-0.0612	0.18675
0.06518	0.066479	0.15147	0.042432	0.36024	-0.00441	0.92424	0.109021	0.01844
0.83562	-0.07432	0.1087	-0.09066	0.05023	-0.07783	0.09295	-0.10457	0.02382
6.23E-06	-0.17858	0.0001	-0.18594	5.28E-05	-0.15354	0.00087	-0.22355	1.06E-06
0.16381	-0.15732	0.00065	-0.16486	0.00035	-0.20385	8.99E-06	-0.15104	0.00106
0.00026	0.011089	0.8111	-0.04741	0.30665	-0.09951	0.03155	0.019384	0.67609
0.23832	-0.03445	0.45762	-0.05613	0.22605	-0.07142	0.12325	-0.09928	0.03195
0.00061	-0.18718	4.70E-05	-0.22605	7.98E-07	-0.20352	9.30E-06	-0.34364	2.17E-14
3.58E-06	-0.21088	4.29E-06	-0.22353	1.06E-06	-0.18516	5.68E-05	-0.34224	2.81E-14
0.06322	-0.0885	0.056	-0.19904	1.47E-05	-0.19892	1.49E-05	-0.26284	8.10E-09
0.37327	-0.15225	0.00096	-0.15	0.00115	-0.16879	0.00025	-0.10704	0.02068
1.85E-06	0.196455	1.90E-05	0.075768	0.10198	0.083773	0.0705	0.061289	0.18612
4.16E-09	0.133686	0.0038	0.13112	0.00454	0.082025	0.07659	0.134039	0.00371
0.51214	-0.20089	1.22E-05	-0.12325	0.00766	-0.17215	0.00019	-0.16313	0.0004
0.86024	-0.21859	1.85E-06	-0.12782	0.00567	-0.21765	2.05E-06	-0.14282	0.00197
0.05355	-0.1839	6.40E-05	-0.21663	2.30E-06	-0.18914	3.90E-05	-0.22186	1.29E-06
0.0825	-0.06988	0.13158	-0.06417	0.1662	-0.05925	0.20125	-0.0878	0.05798
0.00951	0.002263	0.96109	-0.09268	0.04531	-0.13632	0.00316	-0.16629	0.00031
0.10129	-0.15843	0.00059	-0.24572	7.51E-08	-0.24229	1.15E-07	-0.2307	4.65E-07
0.17619	-0.13892	0.00263	-0.19304	2.67E-05	-0.19227	2.88E-05	-0.27063	2.78E-09
0.03056	0.036201	0.43512	0.010897	0.81432	-0.0079	0.86484	-0.08075	0.08129
0.00052	-0.20699	6.48E-06	-0.24296	1.06E-07	-0.2346	2.93E-07	-0.333	1.48E-13
9.54E-15	-0.34047	3.87E-14	-0.32781	3.68E-13	-0.27494	1.52E-09	-0.4936	4.74E-30
0.07731	0.026867	0.56249	-0.13587	0.00326	-0.09212	0.04664	0.024553	0.59663
0.18701	-0.13437	0.00362	-0.09415	0.04198	-0.13447	0.0036	-0.08228	0.07568
0.00048	0.034626	0.45537	-0.0311	0.50262	-0.04151	0.37082	-0.00244	0.95805
0.68588	-0.06931	0.13474	-0.12117	0.00876	-0.13407	0.0037	-0.1192	0.00993
6.51E-07	0.045254	0.32915	-0.06558	0.15709	-0.05176	0.26429	-0.01729	0.70942
0.29035	-0.04996	0.2813	-0.0903	0.05115	-0.0823	0.07561	-0.12511	0.00679
0.72237	-0.13614	0.0032	-0.17569	0.00014	-0.18353	6.62E-05	-0.1645	0.00036
0.03876	0.11264	0.01487	0.1181	0.01064	0.08262	0.07447	0.192638	2.78E-05

0.55364	-0.19843	1.56E-05	-0.21612	2.43E-06	-0.23722	2.14E-07	-0.21535	2.65E-06
0.23801	-0.03446	0.45759	-0.00313	0.94613	-0.03942	0.39538	-0.13805	0.00279
0.11457	-0.13363	0.00381	-0.14131	0.00221	-0.13512	0.00344	-0.16388	0.00038
0.1881	0.08185	0.07723	-0.07385	0.11098	-0.04933	0.28737	-0.08497	0.06657
0.66433	-0.16089	0.00048	-0.16078	0.00049	-0.1884	4.18E-05	-0.1363	0.00316
5.65E-05	-0.08196	0.07682	-0.07478	0.10652	-0.16273	0.00041	-0.05269	0.25584
0.79614	-0.13345	0.00386	-0.18499	5.78E-05	-0.19251	2.81E-05	-0.22197	1.27E-06
0.13481	-0.06154	0.18432	-0.08373	0.07066	-0.09435	0.04154	-0.03721	0.42245
0.10213	-0.01593	0.73131	-0.06466	0.16303	-0.05758	0.21425	-0.04415	0.34113
0.05171	-0.331	2.11E-13	-0.41475	7.69E-21	-0.39998	2.28E-19	-0.32142	1.10E-12
0.06079	-0.01203	0.79534	-0.0767	0.09783	-0.15429	0.00082	-0.09856	0.03322
0.0661	-0.0588	0.20463	-0.08169	0.07781	-0.1184	0.01044	-0.12964	0.00502
9.35E-08	0.15186	0.00099	0.062264	0.1792	0.06234	0.17866	0.073945	0.11052
0.22188	-0.02875	0.53538	-0.07028	0.12936	-0.11646	0.01179	-0.01464	0.75233
0.7906	0.031063	0.50309	0.02459	0.59608	0.028208	0.54314	0.206611	6.74E-06
0.16153	-0.05148	0.26691	-0.1442	0.00178	-0.14984	0.00116	-0.08987	0.05227
0.00135	0.06973	0.13241	-0.03452	0.45682	-0.03716	0.42302	-0.13826	0.00275
0.00348	0.099874	0.03094	-0.00885	0.84868	-0.01945	0.675	-0.02651	0.56768
0.00164	0.107406	0.02026	-0.00639	0.89052	-0.01615	0.72785	-0.00054	0.99075
0.00147	0.105475	0.02263	0.008975	0.84662	0.015618	0.73639	0.001604	0.97243
0.00074	0.177644	0.00011	0.113497	0.01413	0.093472	0.04349	0.133404	0.00388
5.16E-05	-0.14752	0.00139	-0.14729	0.00141	-0.13423	0.00366	-0.25962	1.25E-08
0.84294	-0.09702	0.03608	-0.12766	0.00573	-0.15863	0.00058	-0.10799	0.01958
0.0008	0.307809	1.05E-11	0.017332	0.70873	0.166106	0.00031	-0.05644	0.22344
0.01	-0.01794	0.69897	-0.03791	0.41377	-0.03671	0.42867	0.021113	0.64905
0.76674	-0.16686	0.00029	-0.1154	0.01258	-0.19144	3.12E-05	-0.202	1.09E-05
1.03E-07	0.149866	0.00116	0.079939	0.08441	0.040207	0.386	0.013851	0.76529
0.01404	-0.2011	1.19E-05	-0.17714	0.00012	-0.21194	3.83E-06	-0.24725	6.20E-08
0.77396	-0.06621	0.15313	-0.09271	0.04523	-0.0827	0.07421	-0.11841	0.01044
2.40E-12	-0.0285	0.53895	-0.09453	0.04116	0.070209	0.12976	-0.21806	1.96E-06
1.67E-08	-0.16014	0.00051	-0.15092	0.00107	-0.11639	0.01183	-0.36063	8.65E-16
0.00682	-0.09352	0.04339	-0.15613	0.00071	-0.09646	0.03719	-0.20101	1.20E-05
0.00019	0.070435	0.12853	-0.04664	0.31451	0.0173	0.70923	-0.1518	0.001
2.39E-05	0.046835	0.31251	-0.12242	0.00809	-0.1519	0.00099	0.081069	0.0801
0.07962	0.026864	0.56254	-0.00391	0.93281	-0.00328	0.94366	-0.05365	0.24723
0.00553	-0.23533	2.69E-07	-0.19429	2.36E-05	-0.21562	2.57E-06	-0.18015	9.05E-05
0.00972	0.014997	0.74652	-0.07109	0.125	-0.0037	0.93642	-0.08048	0.08234
0.33994	-0.17061	0.00021	-0.25129	3.70E-08	-0.2446	8.64E-08	-0.24034	1.46E-07
0.53967	0.038869	0.40202	-0.04742	0.30649	-0.03872	0.40383	-0.09051	0.0506
0.02864	-0.21563	2.57E-06	-0.19874	1.51E-05	-0.21421	3.00E-06	-0.30656	1.28E-11
0.01869	-0.21801	1.97E-06	-0.24025	1.48E-07	-0.24128	1.30E-07	-0.31175	5.52E-12
7.00E-10	0.207614	6.07E-06	0.1422	0.00207	0.096258	0.03758	0.047361	0.30711
0.72729	-0.06239	0.17834	-0.07122	0.12431	-0.02489	0.59166	-0.00502	0.91376
0.06915	-0.04239	0.36071	-0.10778	0.01982	-0.12301	0.00779	-0.01605	0.72947
0.0187	-0.07722	0.09555	-0.08676	0.061	-0.02881	0.53461	-0.16239	0.00043

1.97E-05	-0.08982	0.0524	-0.18507	5.73E-05	-0.09262	0.04545	-0.16604	0.00031
6.73E-06	0.00428	0.9265	0.00458	0.92137	-0.01283	0.78215	0.057202	0.21726
0.14631	-0.17105	0.0002	-0.10652	0.02132	-0.11877	0.01021	-0.14734	0.00141
0.00037	0.2214	1.35E-06	0.10182	0.0278	0.115532	0.01248	0.050418	0.2769
1.39E-05	-0.06977	0.13221	-0.09576	0.03858	-0.18879	4.03E-05	-0.08156	0.07829
0.11226	-0.17343	0.00017	-0.1919	2.98E-05	-0.20072	1.24E-05	-0.22541	8.58E-07
0.04486	-0.05342	0.24924	-0.08991	0.05216	-0.07143	0.12323	-0.0138	0.76614
0.0347	-0.17814	0.00011	-0.1548	0.00079	-0.16027	0.00051	-0.20737	6.23E-06
0.55766	-0.08487	0.06688	-0.1159	0.0122	-0.11107	0.01634	-0.12154	0.00856
0.87551	-0.20103	1.20E-05	-0.16682	0.00029	-0.21166	3.95E-06	-0.2018	1.11E-05
5.74E-06	-0.19674	1.85E-05	-0.24206	1.18E-07	-0.22684	7.28E-07	-0.33729	6.88E-14
0.45348	-0.12068	0.00904	-0.15544	0.00075	-0.17438	0.00015	-0.21127	4.12E-06
0.00079	0.097815	0.03458	0.015858	0.73251	-0.00464	0.92032	-0.0236	0.61096
2.77E-08	-0.11642	0.01181	-0.0259	0.57669	0.019599	0.6727	-0.14677	0.00147
0.27323	-0.12009	0.00938	-0.10577	0.02226	-0.04181	0.36731	-0.1438	0.00184
0.02143	-0.19667	1.86E-05	-0.23356	3.32E-07	-0.19957	1.39E-05	-0.23467	2.90E-07
0.05648	-0.1791	9.96E-05	-0.19416	2.39E-05	-0.23346	3.36E-07	-0.28462	3.75E-10
0.00651	-0.05035	0.27752	-0.08102	0.08029	-0.08197	0.07678	-0.04718	0.30894
1.16E-06	-0.00159	0.97261	-0.06407	0.1669	0.02874	0.53556	-0.1324	0.00415
0.4199	-0.0597	0.1978	-0.09513	0.03989	-0.08335	0.07193	-0.04656	0.31533
0.11324	-0.00816	0.86042	-0.04791	0.30157	-0.0023	0.96043	-0.14386	0.00183
0.00059	-0.30069	3.25E-11	-0.24924	4.81E-08	-0.27558	1.39E-09	-0.37037	1.25E-16
0.5859	-0.16927	0.00024	-0.13877	0.00265	-0.20094	1.21E-05	-0.18718	4.70E-05
0.84727	0.067753	0.14377	-0.01022	0.8257	0.033554	0.46946	-0.08431	0.0687
0.00211	0.031964	0.49078	-0.02631	0.57058	0.000804	0.98617	0.053419	0.24927
0.56136	-0.3122	5.14E-12	-0.24912	4.89E-08	-0.29099	1.45E-10	-0.26582	5.40E-09
0.00046	-0.1273	0.00587	-0.17395	0.00016	-0.14528	0.00164	-0.32451	6.51E-13
0.00297	0.060949	0.18857	-0.01911	0.68044	-0.02996	0.51838	-0.05584	0.22843
3.29E-05	0.117335	0.01116	0.036709	0.42869	0.026589	0.56653	0.089894	0.05222
1.16E-11	-0.06211	0.18028	-0.2091	5.19E-06	-0.10026	0.0303	-0.10226	0.02712
0.91208	-0.1481	0.00133	-0.17733	0.00012	-0.19815	1.61E-05	-0.20837	5.61E-06
0.74569	-0.13799	0.00281	-0.11968	0.00963	-0.1684	0.00026	-0.19635	1.92E-05
0.20907	-0.03247	0.48391	-0.09763	0.03493	-0.10565	0.0224	-0.1168	0.01154
0.14581	-0.03621	0.43496	-0.09598	0.03814	-0.08946	0.05337	-0.10909	0.01836
0.07302	-0.00431	0.92604	-0.03925	0.39743	-0.0668	0.14952	-0.08165	0.07796
0.85192	-0.09202	0.04688	-0.10763	0.02	-0.11711	0.01132	-0.11787	0.01079
3.32E-05	-0.21206	3.78E-06	-0.1519	0.00099	-0.15291	0.00092	-0.26124	1.00E-08
0.9597	-0.1481	0.00133	-0.1456	0.00161	-0.18229	7.43E-05	-0.17632	0.00013
1.77E-07	-0.17867	0.0001	-0.23132	4.32E-07	-0.1677	0.00027	-0.30265	2.39E-11
0.7147	-0.03427	0.46008	-0.11795	0.01074	-0.09275	0.04514	-0.12523	0.00674
0.10233	-0.10968	0.01774	-0.08552	0.06482	-0.10196	0.02757	-0.11689	0.01147
5.76E-09	-0.13559	0.00333	-0.04845	0.2961	-0.02451	0.59734	-0.18189	7.71E-05
5.47E-05	0.236077	2.45E-07	0.038784	0.40305	0.096691	0.03672	0.067322	0.14634
1.62E-05	-0.07834	0.09082	-0.17497	0.00014	-0.13327	0.00391	-0.21406	3.05E-06
0.25731	-0.11395	0.01374	-0.12485	0.00691	-0.14208	0.00209	-0.22507	8.93E-07



0.00068	-0.10364	0.02511	-0.08589	0.06366	-0.01993	0.66754	-0.16188	0.00044
0.3183	0.010033	0.82879	0.01381	0.76597	0.0152	0.7432	-0.11584	0.01224
1.10E-10	0.137172	0.00297	0.100687	0.02959	0.068272	0.14071	0.128839	0.0053
0.007	-0.04368	0.34625	-0.08536	0.06533	-0.12133	0.00867	-0.06848	0.13948
0.02916	-0.09677	0.03656	-0.17062	0.00021	-0.16374	0.00038	-0.26115	1.02E-08
0.05192	0.059244	0.20126	-0.04402	0.34255	-0.04267	0.3576	-0.07097	0.12566
0.79079	-0.05458	0.23916	-0.13508	0.00345	-0.15841	0.00059	-0.17628	0.00013
0.05032	-0.13205	0.00426	-0.15754	0.00063	-0.13383	0.00376	-0.19041	3.45E-05
0.48901	-0.04938	0.2869	-0.1101	0.01731	-0.10892	0.01854	-0.10536	0.02278
0.00112	-0.13002	0.00489	-0.04636	0.31744	-0.02855	0.53827	-0.13181	0.00433
0.02073	-0.02646	0.56838	-0.07498	0.1056	-0.0292	0.52906	0.020241	0.66263
0.61908	0.145283	0.00164	0.010979	0.81295	0.024572	0.59634	-0.04279	0.35617
2.78E-05	0.106169	0.02175	0.035521	0.4438	0.001234	0.97877	0.020125	0.66445
2.31E-05	0.131974	0.00428	0.042236	0.36246	0.037032	0.42464	0.043166	0.35198
2.96E-05	0.031466	0.49756	0.013962	0.76348	0.134623	0.00356	-0.182	7.63E-05
0.00637	0.082264	0.07574	0.049553	0.28523	0.019256	0.67811	0.009275	0.84156
0.89688	-0.09931	0.0319	-0.11305	0.01451	-0.14199	0.0021	-0.18727	4.66E-05
1.15E-08	-0.23937	1.65E-07	-0.20348	9.34E-06	-0.17872	0.0001	-0.28925	1.88E-10
0.01134	-0.21821	1.93E-06	-0.24679	6.57E-08	-0.25694	1.78E-08	-0.26893	3.52E-09
0.91532	0.061082	0.18761	-0.03488	0.45205	0.0127	0.7843	-0.15056	0.0011
0.01588	-0.1178	0.01084	-0.16475	0.00035	-0.21279	3.50E-06	-0.25972	1.23E-08
0.0439	-0.1647	0.00035	-0.15129	0.00104	-0.10415	0.0244	-0.1918	3.01E-05
0.00154	-0.0905	0.05064	-0.1578	0.00062	-0.12257	0.00801	-0.12383	0.00738
0.05467	0.049084	0.28982	-0.05606	0.22662	0.074871	0.10611	-0.05821	0.20925
0.73939	0.01254	0.78695	-0.02335	0.6147	0.016917	0.71539	-0.08254	0.07475
0.64149	-0.12308	0.00775	-0.14564	0.0016	-0.20016	1.31E-05	-0.2302	4.93E-07
0.00452	0.038296	0.40899	0.006562	0.88753	9.84E-05	0.99831	-0.01687	0.71613
0.02285	0.123517	0.00753	0.109462	0.01797	0.170898	0.00021	0.00162	0.97215
0.71339	0.049072	0.28994	0.13844	0.00272	0.143094	0.00194	0.07415	0.10953
0.99057	0.144739	0.00171	0.274518	1.61E-09	0.354304	2.94E-15	0.096791	0.03653
0.02635	0.026502	0.56781	0.127113	0.00595	0.173463	0.00017	-0.01968	0.67149
0.39382	0.105369	0.02277	0.147591	0.00138	0.151941	0.00099	0.076701	0.09782
0.01997	0.091098	0.04913	0.107169	0.02054	0.159054	0.00056	0.015093	0.74495
0.74604	0.16906	0.00024	0.091013	0.04934	0.212701	3.53E-06	0.062456	0.17786
0.94302	0.1857	5.40E-05	0.145736	0.00159	0.309087	8.52E-12	0.142392	0.00204
0.07644	0.026595	0.56646	0.102681	0.0265	0.224606	9.41E-07	0.008607	0.85283
0.05162	0.227636	6.64E-07	0.228827	5.79E-07	0.292989	1.07E-10	0.202348	1.05E-05
0.79664	0.243642	9.74E-08	0.179849	9.30E-05	0.3559	2.16E-15	0.150027	0.00115
0.31871	-0.00155	0.97334	0.068335	0.14035	0.072771	0.11631	0.007151	0.87751
0.00139	-0.02959	0.5235	-0.01675	0.71804	-0.00793	0.8643	-0.03728	0.4215
0.09888	0.136462	0.00313	0.116291	0.01191	0.164366	0.00036	0.117879	0.01079
0.34928	0.126256	0.00629	0.166733	0.0003	0.204823	8.13E-06	0.04965	0.28429
0.0271	0.097478	0.03521	0.04379	0.34506	0.12423	0.00719	-0.06088	0.18908
0.02637	0.050471	0.27639	0.118914	0.01011	0.164084	0.00037	0.000589	0.98988
0.0036	0.052498	0.25754	0.009976	0.82976	0.0875	0.05883	-0.01592	0.73151

0.11653	0.087688	0.05829	0.06199	0.18112	0.166162	0.00031	0.017173	0.71128
0.49336	0.058516	0.20686	0.080763	0.08125	0.07339	0.11323	0.013963	0.76345
0.57809	0.063391	0.17144	0.060628	0.19092	0.089571	0.05307	0.052475	0.25775
0.52537	0.139066	0.0026	0.133962	0.00373	0.134794	0.00352	0.074836	0.10628
0.21724	-0.09524	0.03965	-0.02007	0.66533	-0.00315	0.94581	-0.08189	0.0771
0.75895	0.044144	0.34117	0.11604	0.01209	0.102617	0.02659	0.028265	0.54232
0.92857	0.202853	9.96E-06	0.157609	0.00063	0.261768	9.35E-09	0.117134	0.0113
0.25664	0.013021	0.77898	0.094786	0.04061	0.081847	0.07724	0.009732	0.83386
0.63884	0.117499	0.01105	0.164774	0.00035	0.216474	2.34E-06	0.058179	0.20949
0.14846	0.081498	0.07851	0.092805	0.04502	0.114881	0.01298	0.015147	0.74408
0.08616	0.037107	0.4237	0.075263	0.10429	0.109484	0.01795	-0.02109	0.64948
0.86053	0.134417	0.00361	0.071973	0.12038	0.084247	0.06892	0.085064	0.06626
0.35987	0.064759	0.16237	0.087639	0.05843	0.094886	0.0404	0.017722	0.70248
0.4532	0.105246	0.02293	0.094232	0.04181	0.110564	0.01684	0.048293	0.29768
0.11993	0.067312	0.14639	0.079646	0.08556	0.102178	0.02725	0.022857	0.62224
0.01748	0.021687	0.64018	0.028571	0.53796	0.051264	0.26891	-0.00464	0.92029
0.48533	0.072373	0.11832	0.076894	0.09698	0.085018	0.06641	0.037497	0.41884
0.44259	0.069171	0.13555	0.072779	0.11627	0.100672	0.02961	0.048504	0.29556
0.2012	0.072342	0.11848	0.079938	0.08442	0.085109	0.06612	0.019359	0.67649
0.34669	0.104743	0.02359	0.10701	0.02073	0.123191	0.00769	0.040428	0.38338
0.4377	0.082667	0.07431	0.093295	0.04389	0.09456	0.0411	0.043462	0.34869
0.95386	0.122886	0.00785	0.116647	0.01165	0.117028	0.01138	0.089946	0.05208
0.42637	0.053296	0.25036	0.085168	0.06593	0.086509	0.06177	0.029171	0.52946
0.02928	0.049692	0.28388	0.056012	0.22699	0.10001	0.03071	-0.00162	0.97214
0.00884	0.06263	0.17665	0.089756	0.05258	0.171362	0.0002	0.016354	0.72447
0.42041	0.178646	0.0001	0.086635	0.06139	0.216715	2.28E-06	0.081508	0.07848
0.93686	0.117732	0.01089	0.183332	6.75E-05	0.247012	6.38E-08	0.047093	0.30985
0.39895	-0.01997	0.66692	0.02223	0.63183	0.031066	0.50305	-0.02041	0.65997
0.75813	0.077385	0.09486	0.091544	0.04803	0.107175	0.02053	0.026772	0.56387
0.52104	0.091807	0.04739	0.130203	0.00483	0.146048	0.00155	0.016646	0.71976
0.97848	0.125756	0.00651	0.128091	0.00557	0.164084	0.00037	0.04546	0.32695
0.83139	0.065094	0.16019	0.113503	0.01412	0.133674	0.0038	0.047905	0.30158
0.56091	0.109265	0.01818	0.138567	0.00269	0.151852	0.001	0.078361	0.09075
0.00281	-0.04999	0.28098	-0.00603	0.89663	0.102296	0.02707	-0.04534	0.32826
0.30428	0.088076	0.05718	0.084367	0.06852	0.142845	0.00197	0.04995	0.28139
0.00078	0.007361	0.87394	0.076144	0.10029	0.144273	0.00177	-0.03347	0.4705
0.54991	0.127448	0.00581	0.111058	0.01635	0.170316	0.00022	0.118239	0.01055
0.93993	0.113065	0.0145	0.156295	0.0007	0.181108	8.29E-05	0.071569	0.12248
0.27263	0.013224	0.77563	0.069246	0.13512	0.129945	0.00492	-0.03157	0.49612
0.03088	-0.05108	0.27065	-0.00645	0.8894	-0.01635	0.72458	0.100534	0.02984
0.01132	0.037768	0.41549	0.00491	0.91572	0.011181	0.80957	0.120296	0.00927
0.00413	0.228469	6.03E-07	0.110917	0.01649	0.211359	4.08E-06	0.17834	0.00011
0.87295	-0.03214	0.48836	-0.09289	0.04481	-0.08883	0.05508	-0.02255	0.62689
1.55E-09	0.300909	3.14E-11	0.284386	3.88E-10	0.306115	1.38E-11	0.22829	6.16E-07
0.7031	-0.07177	0.12144	-0.02124	0.64703	0.038171	0.41052	-0.06916	0.13562

0.00499	-0.0282	0.54321	-0.04165	0.36921	-0.04661	0.31485	-0.09072	0.05008
0.89406	-0.12447	0.00708	-0.07689	0.09699	-0.08602	0.06327	-0.1639	0.00038
2.71E-05	-0.01262	0.78566	-0.0193	0.67745	-0.00823	0.85914	0.104849	0.02345
0.55413	0.068156	0.14139	0.079093	0.08776	0.118092	0.01065	-0.06068	0.19057
0.12152	-0.10388	0.02478	-0.07739	0.09484	-0.11943	0.00979	-0.0353	0.44662
0.93767	0.004745	0.91855	-0.07362	0.1121	0.009935	0.83045	-0.01445	0.75541
3.43E-06	0.009158	0.84352	-0.11632	0.01189	-0.11	0.01741	0.025121	0.58817
5.43E-10	0.096157	0.03778	-0.04811	0.29948	0.042365	0.36099	0.172405	0.00018
0.04787	0.024949	0.59072	-0.02357	0.61142	-0.01306	0.77836	-0.04311	0.35259
0.00655	0.177858	0.00011	0.084926	0.0667	0.0912	0.04887	0.08853	0.0559
0.02548	-0.08323	0.07236	-0.03168	0.49463	-0.06208	0.18051	-0.01695	0.71485
0.00134	0.361143	7.82E-16	0.138973	0.00261	0.220628	1.48E-06	0.089963	0.05204
0.00752	0.140921	0.00227	-0.0428	0.35611	0.083635	0.07097	0.099663	0.03129
0.55496	0.178379	0.00011	0.033833	0.46576	0.204567	8.35E-06	0.132978	0.00399
2.05E-08	0.036588	0.43022	-0.00969	0.83464	-0.04029	0.38504	0.06651	0.15128
0.11877	-0.04474	0.33464	-0.10651	0.02133	-0.07848	0.09026	0.012283	0.79122
0.13778	0.047461	0.30608	0.067013	0.1482	0.098903	0.03261	0.057351	0.21607
0.93122	-0.15546	0.00075	-0.10947	0.01796	-0.15014	0.00114	-0.08252	0.07484
0.00065	0.059145	0.20202	0.052197	0.26028	0.048452	0.29609	0.10096	0.02915
7.70E-08	0.045742	0.32396	0.057448	0.21529	0.021953	0.63607	0.114107	0.01361
0.00061	0.028412	0.54023	0.000296	0.99491	-0.01103	0.81215	0.161523	0.00046
0.4921	-0.11297	0.01458	-0.12715	0.00593	-0.08682	0.06084	-0.0861	0.06302
0.89254	-0.07529	0.10419	-0.03131	0.49966	-0.0157	0.73513	0.026476	0.56819
0.01287	-0.00721	0.87647	-0.00225	0.96137	0.064238	0.16578	-0.01217	0.79307
6.72E-05	-0.02422	0.60156	0.000419	0.9928	-0.0751	0.10505	0.043015	0.35367
0.1764	-0.01543	0.73953	0.010998	0.81262	-0.01715	0.71168	-0.03902	0.40021
3.68E-07	0.297547	5.31E-11	0.1789	0.0001	0.253931	2.63E-08	0.191238	3.18E-05
0.92959	-0.08524	0.06571	-0.02093	0.65187	-0.00061	0.98953	-0.03411	0.46206
2.65E-13	0.314154	3.72E-12	0.202454	1.04E-05	0.239025	1.72E-07	0.232356	3.83E-07
0.00111	0.045698	0.32442	0.034376	0.45863	0.052113	0.26105	0.103112	0.02586
0.01222	-0.06511	0.16009	-0.05171	0.26474	-0.08106	0.08012	-0.07102	0.1254
2.34E-05	-0.04795	0.30112	-0.04394	0.34338	-0.07282	0.11608	-0.00269	0.95379
1.62E-10	0.107766	0.01984	-0.04932	0.28748	-0.03647	0.43166	0.104847	0.02346
0.00329	0.114675	0.01315	0.0378	0.4151	0.108635	0.01886	0.140771	0.0023
2.29E-05	0.100917	0.02922	0.09097	0.04945	0.083108	0.07277	0.1233	0.00764
0.00383	-0.00168	0.97119	-0.03827	0.40932	-0.02916	0.52957	-0.00677	0.884
1.61E-06	0.077448	0.09459	0.047081	0.30998	-0.04201	0.36508	0.124961	0.00686
0.83509	0.009006	0.8461	-0.05754	0.21453	0.008132	0.86086	-0.06482	0.16197
0.08643	0.200882	1.22E-05	0.090873	0.04969	0.206566	6.78E-06	0.095123	0.0399
0.00037	0.128373	0.00547	0.092925	0.04474	0.092122	0.04663	0.042618	0.35813
0.06653	0.140513	0.00234	0.026456	0.56848	0.050148	0.27948	0.030892	0.50544
7.57E-06	0.098771	0.03285	0.045897	0.32231	0.038712	0.40392	0.135093	0.00344
4.84E-08	0.157344	0.00064	0.089061	0.05444	0.105931	0.02205	0.148257	0.00131
2.14E-11	0.145646	0.0016	0.094832	0.04051	0.060455	0.19219	0.285883	3.11E-10
0.08978	0.046826	0.31261	-0.05424	0.24207	-0.02638	0.56959	-0.07917	0.08746

0.03404	-0.12278	0.0079	-0.00102	0.98238	-0.00248	0.95742	-0.15304	0.00091
5.23E-05	0.150575	0.0011	0.165841	0.00032	0.189756	3.67E-05	0.216404	2.36E-06
0.2951	-0.10004	0.03066	-0.10189	0.02769	-0.04476	0.33449	-0.05403	0.24387
2.89E-05	0.004392	0.92458	0.009136	0.8439	0.007186	0.87692	0.060393	0.19264
9.38E-07	-0.0177	0.70284	-0.10795	0.01962	-0.1463	0.00152	0.016731	0.71838
0.25323	-0.16643	0.0003	-0.05267	0.25601	-0.00535	0.90825	-0.07482	0.10636
2.61E-21	0.036748	0.4282	-0.03863	0.40491	-0.0749	0.10596	0.218467	1.88E-06
0.01676	-0.00508	0.91283	-0.03234	0.48571	-0.07466	0.10709	0.037882	0.41408
0.01688	0.007133	0.87782	-0.03753	0.41844	-0.06834	0.14032	0.029439	0.52568
0.00156	0.102143	0.0273	0.075533	0.10305	0.080549	0.08206	0.065742	0.15606
1.65E-08	0.027713	0.55024	0.058288	0.20864	0.021093	0.64936	0.11528	0.01267
2.94E-34	0.290548	1.55E-10	0.322934	8.52E-13	0.221318	1.37E-06	0.385379	5.53E-18
6.73E-07	0.112284	0.0152	0.099819	0.03103	0.107663	0.01996	0.186901	4.82E-05
3.60E-14	0.025689	0.57975	0.043666	0.34643	0.013747	0.76701	0.226956	7.19E-07
0.02254	0.016935	0.7151	-0.10026	0.03029	0.03178	0.49327	-0.08521	0.06579
0.69153	-0.02121	0.64752	-0.04453	0.337	-0.06285	0.17512	-0.06197	0.18124
6.72E-11	0.241194	1.32E-07	0.235942	2.49E-07	0.247024	6.37E-08	0.254715	2.38E-08
0.00016	-0.02375	0.60866	0.028919	0.53302	0.007207	0.87657	0.059959	0.19587
3.23E-08	0.205798	7.34E-06	0.170442	0.00022	0.148425	0.0013	0.232837	3.61E-07
6.48E-06	-0.04565	0.32493	-0.12646	0.00621	-0.14185	0.00212	-0.09341	0.04364
9.33E-10	0.258105	1.52E-08	0.21444	2.92E-06	0.175733	0.00013	0.175977	0.00013
0.04154	0.000443	0.99238	-0.01818	0.69519	0.050396	0.27711	0.107749	0.01986
0.00515	0.059702	0.1978	0.016092	0.72871	0.064542	0.16378	0.11699	0.0114
5.20E-11	0.256975	1.77E-08	0.101994	0.02753	0.164433	0.00036	0.124468	0.00708
3.69E-09	0.141576	0.00216	0.062511	0.17747	0.067871	0.14306	0.064751	0.16241
2.41E-05	0.166371	0.00031	0.217247	2.15E-06	0.265707	5.49E-09	0.177084	0.00012
0.07775	0.074835	0.10628	0.005309	0.9089	0.081064	0.08012	0.181416	8.06E-05
0.00014	-0.02706	0.55968	-0.04594	0.32183	-0.06393	0.16781	0.078124	0.09173
0.08259	-0.04575	0.32384	-0.05754	0.21451	-0.07236	0.11838	0.004115	0.92932
0.72381	-0.01075	0.81673	-0.03756	0.41808	0.015101	0.74483	-0.08468	0.0675
2.20E-08	0.111448	0.01598	0.167685	0.00027	0.161797	0.00045	0.147611	0.00138
0.24817	-0.05869	0.20551	-0.08905	0.05448	-0.06887	0.13727	-0.12461	0.00702
0.8557	0.0895	0.05326	0.047991	0.30071	0.149725	0.00117	0.003614	0.93791
0.67628	-0.04068	0.3804	-0.04969	0.28391	0.002678	0.95397	0.039717	0.39182
0.00224	0.052653	0.25614	-0.02663	0.56598	0.061989	0.18113	0.143863	0.00183
0.00134	0.020332	0.66121	0.042294	0.3618	0.037037	0.42458	0.135259	0.0034
3.28E-11	0.163513	0.00039	0.076022	0.10084	0.094505	0.04121	0.165624	0.00033
0.00398	0.176403	0.00013	0.094922	0.04032	0.146494	0.0015	0.038896	0.40169
4.58E-07	0.182298	7.43E-05	0.12844	0.00544	0.139068	0.0026	0.047665	0.30401
0.00112	0.149098	0.00123	0.098597	0.03316	0.113735	0.01392	0.139988	0.00243
0.11841	-0.05568	0.22975	-0.09411	0.04208	-0.09385	0.04265	-0.05891	0.20384
1.60E-05	0.004388	0.92465	0.019183	0.67926	-0.02478	0.59323	0.052461	0.25787
1.10E-05	0.21923	1.73E-06	0.14796	0.00134	0.229373	5.43E-07	0.186125	5.19E-05
0.28771	0.027261	0.55677	0.055181	0.23398	0.104484	0.02394	0.08302	0.07308
1.26E-11	0.225818	8.19E-07	0.055013	0.2354	0.161459	0.00046	0.18246	7.32E-05

2.29E-15	0.269818	3.11E-09	0.25266	3.10E-08	0.257122	1.73E-08	0.252782	3.06E-08
0.00019	0.118107	0.01064	0.064996	0.16083	0.069944	0.13122	0.04408	0.34187
6.30E-27	0.298423	4.63E-11	0.17483	0.00015	0.146664	0.00148	0.220515	1.49E-06
0.60982	0.015646	0.73595	-0.05376	0.24624	-0.03889	0.40172	-0.0931	0.04434
0.12088	-0.04293	0.35462	0.061928	0.18156	0.173144	0.00017	0.011166	0.80982
0.75102	-0.03211	0.48877	0.014642	0.75232	0.052423	0.25822	-0.03972	0.39174
0.88746	0.081794	0.07743	-0.02471	0.59422	-0.0058	0.9006	-0.07275	0.11639
0.13097	-0.15736	0.00064	-0.12536	0.00668	-0.09994	0.03083	0.138618	0.00268
9.84E-05	0.042401	0.36059	0.047601	0.30466	0.027233	0.55718	0.057	0.21889
0.06124	-0.06673	0.14995	-0.06454	0.16379	-0.07698	0.09662	-0.0361	0.4364
0.02405	0.116751	0.01157	0.046363	0.31743	0.053969	0.24442	0.075654	0.1025
7.70E-05	0.271796	2.36E-09	0.092736	0.04518	0.132283	0.00419	0.095101	0.03995
0.76145	-0.1293	0.00513	-0.25001	4.36E-08	-0.1936	2.53E-05	-0.2065	6.82E-06
4.64E-06	-0.01577	0.73394	-0.05086	0.27273	-0.06985	0.13175	0.143441	0.00189
2.43E-08	0.172357	0.00018	0.125333	0.00669	0.121981	0.00832	0.194622	2.28E-05
0.77784	0.004781	0.91793	-0.019	0.68208	0.049568	0.28508	0.049253	0.28817
0.01941	-0.05441	0.24057	-0.07529	0.10417	-0.08041	0.0826	0.021038	0.65021
0.14792	-0.16006	0.00052	-0.24062	1.41E-07	-0.20734	6.25E-06	-0.06538	0.15838
7.12E-10	0.11182	0.01563	0.03203	0.48988	0.044079	0.34188	0.172386	0.00018
0.08696	-0.12173	0.00845	-0.05104	0.27099	-0.07754	0.09418	-0.1241	0.00725
0.0196	-0.04684	0.31243	0.006602	0.88685	-0.02235	0.63005	-0.0648	0.16213
0.45247	0.088469	0.05608	0.007937	0.86418	0.119768	0.00958	0.061035	0.18795
2.73E-05	-0.20099	1.21E-05	-0.07418	0.1094	-0.20058	1.26E-05	0.068243	0.14088
3.84E-08	0.32104	1.18E-12	0.270192	2.96E-09	0.290873	1.47E-10	0.289497	1.81E-10
0.17915	-0.05095	0.27189	-0.0407	0.38025	-0.02234	0.63007	0.021057	0.64992
0.0137	-0.005	0.91419	-0.09344	0.04355	0.002397	0.95879	0.010887	0.81449
0.00624	-0.13392	0.00374	-0.1053	0.02285	-0.1212	0.00875	-0.01319	0.77624
0.00014	0.145466	0.00162	0.070573	0.12778	0.090633	0.0503	0.078175	0.09152
1.09E-09	0.281422	5.98E-10	0.14293	0.00196	0.17152	0.0002	0.187936	4.37E-05
1.10E-08	0.309194	8.38E-12	0.169888	0.00023	0.164233	0.00037	0.172264	0.00018
0.00253	0.310152	7.17E-12	0.251049	3.82E-08	0.314458	3.54E-12	0.231605	4.18E-07
3.29E-06	0.277571	1.04E-09	0.117028	0.01138	0.119013	0.01005	0.07849	0.09022
9.14E-12	0.025254	0.58618	-0.0957	0.0387	-0.06623	0.15301	0.08309	0.07283
1.52E-26	0.118995	0.01006	0.014717	0.75109	0.006152	0.89451	0.231277	4.34E-07
3.51E-05	0.009674	0.83484	0.005311	0.90886	-0.00683	0.88303	0.076472	0.09883
4.58E-07	0.068939	0.13687	-0.01187	0.79811	-0.01277	0.78311	0.035212	0.44777
0.03149	-0.0845	0.06807	-0.00211	0.96376	0.013412	0.77252	-0.1213	0.00869
1.23E-10	-0.02033	0.66124	0.037039	0.42456	0.093769	0.04283	0.123793	0.0074
0.35878	0.057418	0.21553	-0.02186	0.63747	0.039134	0.39881	-0.07506	0.10521
1.32E-26	0.07786	0.09284	-0.00818	0.86013	-0.05892	0.20373	0.300875	3.16E-11
1.01E-07	0.150661	0.00109	0.063999	0.16736	0.111956	0.0155	0.12685	0.00605
3.74E-09	-0.0388	0.40282	0.031565	0.49622	-0.03616	0.43563	0.118599	0.01031
0.04651	0.103986	0.02463	0.253631	2.74E-08	0.250954	3.87E-08	0.215438	2.62E-06
6.71E-12	0.458699	1.12E-25	0.307514	1.10E-11	0.378522	2.34E-17	0.33844	5.60E-14
0.11904	0.244486	8.76E-08	0.197997	1.63E-05	0.246626	6.70E-08	0.097156	0.03583

0.75902	-0.02505	0.5892	-0.09345	0.04354	-0.02054	0.65796	0.023267	0.616
0.00029	0.003043	0.94772	-0.03306	0.47606	-0.05792	0.21151	0.102944	0.02611
8.54E-06	0.003452	0.94069	0.023017	0.61981	0.003491	0.94002	0.065044	0.16052
0.05607	-0.03379	0.46627	0.0095	0.83777	-0.00581	0.90032	-0.02288	0.62187
0.90656	0.007886	0.86503	0.063685	0.16945	0.126411	0.00623	0.085672	0.06434
0.01028	0.070699	0.1271	0.130533	0.00472	0.160308	0.00051	0.069169	0.13556
0.00518	0.308601	9.22E-12	0.076271	0.09972	0.152987	0.00091	0.060975	0.18838
0.07318	-0.04339	0.34945	-0.0311	0.50258	-0.02646	0.5684	-0.03772	0.41604
0.00419	-0.00944	0.83874	-0.01201	0.79572	-0.03741	0.41997	-0.04368	0.34625
0.00011	0.166436	0.0003	0.090475	0.05071	0.136379	0.00315	0.129395	0.0051
8.93E-05	0.135881	0.00326	0.094127	0.04204	0.115355	0.01261	0.1637	0.00038
4.76E-09	-0.06632	0.15242	-0.04857	0.29494	-0.1174	0.01111	0.08975	0.05259
0.01989	-0.0719	0.12075	-0.04452	0.33709	-0.07849	0.09021	-0.02751	0.5532
0.00116	-0.10427	0.02424	0.003806	0.93462	-0.05961	0.19847	0.020851	0.65312
0.04234	0.248085	5.57E-08	0.146738	0.00147	0.253619	2.74E-08	0.100832	0.02935
0.00292	0.037244	0.422	0.015363	0.74055	0.089341	0.05369	0.11048	0.01692
1.35E-06	-0.01318	0.77632	-0.0802	0.08338	-0.17018	0.00022	0.035368	0.44576
0.00039	0.217389	2.12E-06	0.082288	0.07565	0.110572	0.01683	0.235753	2.55E-07
1.20E-05	-0.11881	0.01018	0.040217	0.38588	0.100496	0.0299	-0.03007	0.51682
0.01139	-0.03585	0.43956	-0.01427	0.75847	-0.06804	0.14206	0.053077	0.25232
8.04E-09	0.208759	5.38E-06	0.055605	0.2304	0.128105	0.00556	0.177864	0.00011
7.76E-06	0.138026	0.0028	0.212622	3.56E-06	0.21114	4.17E-06	0.098833	0.03274
2.59E-06	0.070105	0.13033	0.092951	0.04468	0.063385	0.17148	0.024717	0.59418
1.73E-15	0.261956	9.12E-09	0.214132	3.02E-06	0.228887	5.75E-07	0.276999	1.13E-09
0.59963	0.209821	4.81E-06	-0.02008	0.66513	0.01718	0.71117	-0.02411	0.60326
0.03471	0.056066	0.22654	0.09386	0.04262	0.106616	0.0212	0.076123	0.10038
0.00017	0.046913	0.31171	0.024106	0.60333	0.063145	0.17311	0.176926	0.00012
0.03539	0.09366	0.04307	0.011195	0.80934	0.093091	0.04436	0.165973	0.00032
0.00091	-0.01583	0.73291	-0.03715	0.42322	0.051152	0.26996	-0.16064	0.00049
0.74095	-0.07081	0.12649	-0.06404	0.16706	-0.03025	0.51434	-0.08398	0.06982
0.29203	0.139172	0.00258	0.07939	0.08658	0.110076	0.01733	0.105199	0.02299
1.72E-05	0.049708	0.28373	0.002306	0.96037	0.008187	0.85993	0.060716	0.19027
1.08E-08	0.258869	1.38E-08	0.284146	4.02E-10	0.289018	1.95E-10	0.22428	9.77E-07
0.00237	-0.04413	0.34133	0.009636	0.83547	0.051896	0.26304	0.025996	0.57522
0.86728	-0.07694	0.09676	-0.04316	0.35206	0.056853	0.22008	-0.07294	0.11546
0.42094	0.081981	0.07675	0.08423	0.06897	0.107718	0.01989	-0.07976	0.08513
0.6638	0.007696	0.86826	0.154429	0.00081	0.180736	8.58E-05	0.083219	0.07239
1.10E-15	0.203089	9.72E-06	0.053284	0.25047	0.017167	0.71137	0.15813	0.0006
4.61E-17	0.173361	0.00017	0.130007	0.00489	0.103025	0.02599	0.194404	2.33E-05
1.33E-22	0.176946	0.00012	0.095274	0.03958	0.097876	0.03447	0.324995	5.99E-13
1.81E-12	0.312179	5.15E-12	0.152326	0.00096	0.192811	2.73E-05	0.255453	2.16E-08
4.77E-07	0.257317	1.69E-08	0.155438	0.00075	0.203786	9.05E-06	0.250369	4.17E-08
9.66E-09	0.073447	0.11295	0.033787	0.46638	0.050687	0.27434	0.165221	0.00034
3.39E-09	0.065689	0.1564	0.097301	0.03555	0.041037	0.37626	0.055594	0.23048
3.74E-15	0.270724	2.75E-09	0.069898	0.13148	0.123345	0.00762	0.220101	1.57E-06

1.38E-12	0.233757	3.24E-07	0.16652	0.0003	0.207542	6.12E-06	0.180319	8.91E-05
3.07E-05	0.348897	8.17E-15	0.232367	3.82E-07	0.272551	2.13E-09	0.09254	0.04564
7.54E-13	0.186733	4.90E-05	0.060283	0.19346	0.109264	0.01818	0.173651	0.00016
0.06526	-0.0383	0.40889	-0.00306	0.94748	-0.02079	0.65399	-0.04622	0.3189
2.44E-05	0.158911	0.00057	0.078189	0.09146	0.174297	0.00015	0.177373	0.00012
0.86503	-0.11853	0.01036	-0.13707	0.003	-0.08973	0.05264	-0.04887	0.29189
0.14733	-0.04312	0.35245	-0.04942	0.28653	-0.03981	0.39066	0.051917	0.26285
0.36237	0.087662	0.05836	0.007154	0.87746	0.091309	0.0486	0.049781	0.28302
0.00083	-0.00512	0.9121	-0.02278	0.62348	0.003918	0.93271	-0.00653	0.88804
0.0149	0.015081	0.74514	-0.00026	0.9956	0.061351	0.18567	0.06662	0.1506
4.41E-06	-0.10579	0.02223	0.026022	0.57485	-0.04744	0.30634	0.146022	0.00156
4.00E-12	0.16645	0.0003	0.076836	0.09723	0.088382	0.05632	0.195965	2.00E-05
0.00878	-0.06812	0.1416	0.069604	0.13311	0.035836	0.43976	0.037907	0.41377
9.65E-05	0.284118	4.03E-10	0.155784	0.00073	0.184887	5.83E-05	0.109413	0.01802
1.13E-07	-0.12699	0.006	-0.01549	0.7385	-0.15709	0.00066	0.045513	0.32639
0.09956	0.172893	0.00017	0.029684	0.52224	0.169505	0.00023	0.175249	0.00014
1.73E-09	-0.01043	0.82213	-0.11527	0.01268	-0.08473	0.06735	0.184651	5.96E-05
1.41E-08	0.053592	0.24774	0.024369	0.59938	0.068882	0.13719	0.094494	0.04124
2.29E-06	0.204873	8.09E-06	0.113684	0.01397	0.222177	1.24E-06	0.2655	5.64E-09
3.41E-08	0.201697	1.12E-05	0.152633	0.00094	0.136225	0.00318	0.210357	4.54E-06
0.54838	0.084362	0.06854	-0.04386	0.34434	0.014845	0.74899	-0.01668	0.71929
0.98929	-0.2569	1.79E-08	-0.11456	0.01324	-0.13237	0.00416	-0.09956	0.03147
1.75E-23	0.30097	3.11E-11	0.200049	1.33E-05	0.264192	6.74E-09	0.374144	5.78E-17
0.09798	-0.10645	0.0214	-0.11375	0.01391	-0.04052	0.38232	0.007822	0.86612
0.00255	0.067044	0.14801	0.025731	0.57913	0.084694	0.06746	0.110149	0.01726
1.14E-07	0.236053	2.46E-07	0.147948	0.00134	0.167836	0.00027	0.201884	1.10E-05
3.76E-26	0.298233	4.77E-11	0.347687	1.03E-14	0.278239	9.48E-10	0.340832	3.63E-14
3.26E-06	0.141303	0.00221	0.096195	0.03771	0.072512	0.11762	0.017825	0.70083
1.79E-15	0.219833	1.61E-06	0.135291	0.0034	0.093703	0.04297	0.307583	1.09E-11
2.79E-14	0.29487	8.02E-11	0.270144	2.98E-09	0.219314	1.71E-06	0.295729	7.03E-11
1.32E-07	0.154435	0.00081	0.181575	7.94E-05	0.154415	0.00081	0.187428	4.59E-05
0.00365	0.054327	0.2413	0.07163	0.12216	0.074228	0.10916	0.109962	0.01745
4.28E-11	0.224912	9.09E-07	0.270641	2.78E-09	0.292798	1.10E-10	0.263299	7.61E-09
0.00185	0.099828	0.03101	0.054671	0.23834	0.08296	0.07328	0.029777	0.52094
0.02584	-0.06951	0.13363	0.023409	0.61386	0.050336	0.27768	0.075326	0.104
3.38E-10	0.16001	0.00052	0.077927	0.09256	0.098848	0.03271	0.140681	0.00231
1.32E-10	0.155289	0.00076	0.116785	0.01155	0.203642	9.19E-06	0.199075	1.46E-05
0.01841	0.096022	0.03805	-0.00487	0.91639	0.021381	0.6449	0.048075	0.29986
0.00088	0.001874	0.96778	-0.0033	0.94327	-0.01988	0.66835	0.042262	0.36216
0.00195	-0.01097	0.81304	-0.03342	0.47119	-0.06689	0.14893	0.100568	0.02978
0.00239	0.064074	0.16686	0.062856	0.17509	0.154216	0.00083	0.054741	0.23773
9.46E-09	0.025001	0.58994	-0.05493	0.23612	-0.04262	0.35812	0.053092	0.25219
0.41892	-0.12401	0.00729	-0.05212	0.261	-0.08338	0.07185	-0.05788	0.21187
0.03791	-0.0477	0.30363	-0.03487	0.45226	-0.07448	0.10793	0.092277	0.04626
0.00013	0.148064	0.00133	0.106195	0.02172	0.153109	0.0009	0.103556	0.02523

0.83662	-0.10012	0.03053	-0.00862	0.85264	-0.02714	0.55849	-0.06214	0.18006
0.17589	0.101614	0.02811	0.003615	0.9379	0.09257	0.04557	0.070065	0.13055
0.2447	0.051039	0.27102	0.002542	0.9563	0.104308	0.02418	0.063831	0.16848
0.69961	0.031711	0.49422	-0.04685	0.31241	0.135169	0.00343	0.062983	0.17422
0.06188	-0.04167	0.36893	-0.00366	0.93705	0.037451	0.41942	-0.0028	0.95186
0.58401	-0.01797	0.69857	-0.01496	0.74708	0.040654	0.38074	-0.01652	0.72179
0.1885	0.146086	0.00155	0.085113	0.0661	0.11013	0.01727	0.0447	0.33511
0.51381	-0.02765	0.55109	-0.00614	0.89465	0.037356	0.4206	-0.01867	0.68737
0.79258	0.011594	0.80268	0.021705	0.6399	0.061786	0.18256	-0.02323	0.61661
0.60023	-0.00958	0.83645	-0.0054	0.90743	0.023852	0.60715	0.007489	0.87177
0.6258	-0.01595	0.731	0.013743	0.76708	0.065091	0.16021	-0.03093	0.5049
0.0116	0.046783	0.31305	0.017167	0.71136	0.008862	0.84853	0.013109	0.77752
0.02016	0.035828	0.43986	0.013388	0.77292	0.001987	0.96584	0.081716	0.07771
0.05678	0.021137	0.64868	-0.04549	0.32666	-0.02913	0.53009	0.041751	0.368
0.8276	-0.02218	0.63261	-0.02457	0.59638	0.019965	0.66696	0.001613	0.97227
0.50639	0.011864	0.79818	-0.03045	0.51149	0.056228	0.22521	-0.02591	0.57644
0.05935	0.143669	0.00185	0.092055	0.04679	0.152451	0.00095	0.084583	0.06781
0.0684	0.07135	0.12363	0.013704	0.76771	0.033328	0.47245	0.028953	0.53254
0.23957	0.066126	0.15366	0.047171	0.30906	0.116297	0.0119	0.007805	0.86641
0.03288	0.133147	0.00395	0.083475	0.07151	0.097728	0.03474	0.125535	0.0066
0.60131	-0.05964	0.19829	-0.12106	0.00882	0.000978	0.98319	-0.0563	0.22459
0.13774	-0.12665	0.00613	-0.11525	0.0127	-0.07866	0.08953	-0.08391	0.07004
0.31578	0.063009	0.17404	0.049095	0.28972	0.065969	0.15464	0.080503	0.08224
0.0362	-0.02666	0.56545	-0.03857	0.40559	0.035158	0.44847	0.05567	0.22985
0.01891	-0.00775	0.86729	-0.04381	0.34483	0.033665	0.46798	0.091202	0.04887
0.91551	-0.04358	0.34739	-0.038	0.41258	0.100504	0.02989	-0.00224	0.9615
0.10287	0.017581	0.70474	-0.03925	0.39747	0.069874	0.13161	-0.00957	0.83655
0.52725	0.087008	0.06027	0.120013	0.00943	0.161236	0.00047	0.059992	0.19562
0.69889	-0.02976	0.52124	-0.0407	0.38018	0.039025	0.40012	-0.03312	0.47523
0.394	-0.0111	0.81084	0.007815	0.86624	0.060024	0.19538	-0.01649	0.72234
0.32689	0.095588	0.03893	0.005478	0.90602	0.083071	0.0729	0.018935	0.68318
0.31013	-0.00615	0.89453	-0.07199	0.1203	0.000437	0.99249	-0.02476	0.5936
0.52039	0.035247	0.44732	0.031414	0.49827	0.106121	0.02181	0.046759	0.31331
0.57817	-0.01234	0.79029	0.004792	0.91774	0.032653	0.48148	-0.03472	0.45414
0.23298	0.02653	0.5674	0.045089	0.33092	0.050778	0.27348	-0.04637	0.31733
0.0257	0.012651	0.78511	-0.17598	0.00013	-0.00929	0.84133	-0.02948	0.5251
0.66275	0.168381	0.00026	0.141838	0.00212	0.201593	1.13E-05	0.056049	0.22669
0.0338	0.123724	0.00743	0.115287	0.01267	0.170211	0.00022	0.127947	0.00562
0.21651	0.079028	0.08803	0.015627	0.73625	0.10063	0.02968	0.072491	0.11772
0.53225	0.010711	0.81743	-0.04595	0.32173	0.0162	0.72696	-0.05335	0.24992
0.13224	0.036506	0.43125	0.034989	0.45066	0.098778	0.03283	0.088409	0.05624
0.39268	-0.02425	0.60123	-0.03903	0.40009	0.040234	0.38568	0.019443	0.67515
0.08143	0.029336	0.52713	-0.08327	0.07221	0.028976	0.53221	-0.03652	0.43108
0.92412	0.072258	0.11891	0.007166	0.87725	0.206434	6.87E-06	0.03134	0.49928
0.78464	0.082576	0.07463	-0.02512	0.5882	0.03898	0.40067	0.025577	0.58141



0.00125	0.215836	2.51E-06	0.168351	0.00026	0.193813	2.47E-05	0.200645	1.25E-05
0.00255	0.17349	0.00016	0.125925	0.00643	0.188105	4.30E-05	0.118296	0.01051
0.5998	0.055275	0.23318	0.014589	0.75318	0.126732	0.0061	0.057162	0.21758
0.04596	0.074466	0.10802	0.02893	0.53287	0.051422	0.26743	0.07905	0.08794
0.00886	0.09766	0.03487	0.106454	0.0214	0.128973	0.00525	0.115199	0.01274
0.85441	0.062078	0.1805	0.028432	0.53995	0.074011	0.1102	0.03677	0.42792
0.26543	0.087044	0.06017	0.026044	0.57453	0.211224	4.14E-06	0.089522	0.0532
0.40242	-0.04381	0.34478	-0.05365	0.24727	0.159913	0.00052	0.021911	0.63672
0.00808	0.239884	1.55E-07	0.109174	0.01827	0.193773	2.48E-05	0.124494	0.00707
0.87003	0.060859	0.18923	0.047119	0.30959	0.099707	0.03122	-0.00547	0.90609
0.31938	-0.05514	0.23431	-0.00502	0.91392	0.036476	0.43164	-0.02713	0.55866
0.16257	-0.00653	0.88815	-0.0296	0.52343	-0.0433	0.3505	0.119057	0.01002
0.01446	-0.05539	0.23218	-0.08774	0.05814	0.018824	0.68494	-0.07767	0.09362
0.09713	0.009009	0.84604	0.022404	0.62916	0.135442	0.00336	0.014106	0.76111
0.97077	-0.01024	0.82539	-0.0333	0.47286	0.00671	0.88501	0.009834	0.83214
0.09534	0.064277	0.16552	0.05373	0.24652	0.075721	0.1022	0.028363	0.54093
1.98E-05	0.01046	0.82163	0.009576	0.83648	0.039278	0.39708	-0.0739	0.11072
0.00023	-0.04191	0.36614	-0.04057	0.38175	-0.00524	0.91014	-0.10467	0.0237
0.00016	-0.03937	0.39597	-0.04613	0.31985	0.015123	0.74445	-0.11675	0.01158
0.15297	0.027801	0.54898	0.018542	0.68941	0.188515	4.14E-05	-0.03089	0.50547
0.00019	-0.26719	4.48E-09	-0.07475	0.10667	-0.09488	0.04042	-0.10364	0.02511
0.29273	0.062728	0.17597	0.264933	6.10E-09	0.259473	1.27E-08	0.156281	0.0007
0.00596	-0.16446	0.00036	-0.03131	0.49967	-0.14208	0.00209	0.060724	0.19021
1.89E-11	-0.22871	5.87E-07	0.020757	0.65458	-0.004	0.93135	-0.05606	0.22661
0.36466	-0.22794	6.42E-07	-0.02591	0.57646	-0.1447	0.00172	0.059798	0.19707
0.00134	-0.01579	0.73358	0.123867	0.00736	0.093348	0.04377	0.020211	0.66311
0.3074	-0.17765	0.00011	-0.0432	0.35159	-0.10717	0.02054	-0.061	0.18818
0.3717	0.044089	0.34177	0.17908	9.98E-05	0.144066	0.0018	0.119467	0.00977
9.78E-05	-0.22635	7.71E-07	0.081006	0.08034	0.041027	0.37638	0.043672	0.34636
0.4011	-0.16515	0.00034	-0.03446	0.45747	-0.13926	0.00256	-0.1568	0.00067
0.00054	-0.09789	0.03444	0.026989	0.56071	-0.07588	0.10147	0.130306	0.0048
3.84E-07	-0.22435	9.69E-07	-0.09888	0.03265	-0.19798	1.64E-05	0.12729	0.00588
0.00045	-0.28184	5.63E-10	-0.10285	0.02625	-0.26098	1.04E-08	0.006161	0.89436
0.01263	0.354372	2.90E-15	0.104222	0.0243	0.131391	0.00445	-0.0623	0.17896
0.78507	-0.09869	0.033	0.014581	0.75331	-0.08397	0.06984	-0.11154	0.01588
0.2521	-0.01839	0.69189	0.109357	0.01808	-0.05705	0.21851	0.043282	0.35069
0.16327	-0.02826	0.54238	0.133045	0.00397	0.094445	0.04134	0.252531	3.16E-08
0.00453	-0.1442	0.00178	-0.00718	0.877	-0.02105	0.65006	0.151131	0.00105
0.01495	-0.21783	2.02E-06	0.003562	0.9388	-0.12621	0.00631	-0.03279	0.47964
0.45669	-0.29839	4.66E-11	-0.0636	0.17002	-0.1154	0.01258	-0.01125	0.80845
1.45E-15	0.066991	0.14834	0.234428	2.99E-07	0.099184	0.03212	0.178285	0.00011
0.95988	-0.16574	0.00032	-0.06168	0.1833	-0.08235	0.07543	-0.0492	0.28873
0.03631	-0.15077	0.00108	-0.0795	0.08615	-0.19464	2.28E-05	-0.00716	0.87732
0.15025	0.01213	0.79375	0.078477	0.09027	0.07981	0.08492	0.053086	0.25224
0.00026	-0.32575	5.26E-13	-0.12918	0.00518	-0.20126	1.17E-05	-0.22511	8.88E-07

0.0003	-0.09407	0.04215	-0.02493	0.59107	-0.11423	0.01351	0.071805	0.12125
1.26E-05	0.134262	0.00365	0.16167	0.00045	0.177118	0.00012	0.237609	2.04E-07
0.01144	-0.18393	6.38E-05	0.03593	0.43856	0.053926	0.2448	0.10706	0.02067
0.98964	-0.04421	0.3404	0.107722	0.01989	0.018476	0.69046	0.052023	0.26188
0.23143	0.04631	0.31798	0.24952	4.65E-08	0.134652	0.00355	0.219955	1.59E-06
0.00144	-0.41276	1.23E-20	-0.03882	0.40258	-0.14619	0.00154	-0.20156	1.14E-05
0.01562	-0.32404	7.06E-13	-0.1157	0.01235	-0.18928	3.84E-05	-0.14493	0.00169
0.37069	-0.10603	0.02193	-0.03355	0.46946	-0.09054	0.05054	-0.01975	0.67033
0.77283	-0.02907	0.53083	0.066742	0.14986	0.027061	0.55966	-0.00417	0.9284
2.03E-05	0.070891	0.12607	0.196494	1.90E-05	0.080588	0.08191	0.225483	8.51E-07
0.03256	-0.05153	0.26639	0.077725	0.09341	0.019234	0.67845	0.112329	0.01516
3.87E-06	-0.36991	1.37E-16	-0.16611	0.00031	-0.25506	2.27E-08	-0.28366	4.32E-10
0.36968	-0.11763	0.01096	0.169168	0.00024	0.060249	0.19371	0.124866	0.0069
0.36689	-0.1614	0.00046	0.022023	0.63499	-0.12435	0.00713	-0.02102	0.65052
0.46626	-0.30804	1.01E-11	-0.18774	4.45E-05	-0.26355	7.36E-09	-0.12226	0.00817
1.09E-07	0.108555	0.01895	0.17433	0.00015	0.123099	0.00774	0.227596	6.67E-07
0.02078	-0.16145	0.00046	-0.03056	0.51009	-0.15764	0.00063	0.036573	0.4304
0.36449	-0.05116	0.26984	0.210505	4.47E-06	0.136691	0.00308	0.168212	0.00026
0.84864	-0.2294	5.41E-07	-0.06078	0.18983	-0.1863	5.10E-05	0.035599	0.4428
7.60E-12	-0.11568	0.01237	-0.00325	0.94412	-0.1786	0.0001	0.184123	6.27E-05
0.07418	0.04562	0.32525	0.20184	1.11E-05	0.237208	2.14E-07	0.15471	0.00079
0.10151	0.198457	1.56E-05	0.029627	0.52303	0.066544	0.15107	-0.09744	0.03528
0.00033	-0.15335	0.00089	-0.02935	0.52696	-0.16631	0.00031	0.063482	0.17082
0.01764	-0.09521	0.03973	0.044093	0.34172	-0.08291	0.07345	0.122305	0.00815
0.72187	-0.18615	5.18E-05	0.084836	0.06699	-0.09992	0.03086	0.044598	0.33622
0.06265	-0.16261	0.00042	0.054165	0.24271	-0.04546	0.32698	-0.1094	0.01803
0.00025	-0.35457	2.79E-15	0.014095	0.76128	-0.08254	0.07474	-0.18266	7.18E-05
0.3775	-0.23111	4.43E-07	-0.06015	0.19443	-0.13013	0.00485	0.008412	0.85612
0.14862	-0.17979	9.35E-05	0.00191	0.96716	-0.11173	0.01571	0.068856	0.13734
0.0472	-0.12066	0.00905	0.137398	0.00293	-0.03716	0.423	0.100717	0.02954
0.00142	-0.19028	3.49E-05	-0.0421	0.36397	-0.14745	0.0014	0.109887	0.01752
9.17E-05	-0.02178	0.63866	0.169876	0.00023	0.050915	0.27218	0.023543	0.61183
0.00301	0.175705	0.00014	0.196895	1.82E-05	0.14398	0.00181	0.250663	4.01E-08
0.72347	-0.35001	6.64E-15	-0.13573	0.00329	-0.29432	8.73E-11	-0.10007	0.0306
4.18E-10	-0.15593	0.00072	-0.03265	0.48154	-0.21689	2.24E-06	0.078464	0.09032
0.22787	-0.31814	1.92E-12	-0.13512	0.00344	-0.27521	1.46E-09	-0.13848	0.00271
0.74303	0.073083	0.11475	0.187689	4.48E-05	0.140958	0.00226	0.05495	0.23594
0.05753	-0.20452	8.39E-06	-0.02053	0.65809	-0.06595	0.15479	-0.14084	0.00228
0.00178	-0.15913	0.00056	-0.02805	0.54537	-0.0611	0.18746	-0.12108	0.00881
0.15545	-0.17488	0.00015	0.041117	0.37533	0.03476	0.45363	0.060222	0.19391
0.60048	-0.11666	0.01164	0.068436	0.13976	0.011338	0.80695	0.19875	1.51E-05
0.84184	-0.2445	8.75E-08	-0.10472	0.02363	-0.19659	1.88E-05	-0.00563	0.90341
0.52291	-0.30687	1.22E-11	-0.15243	0.00095	-0.27677	1.17E-09	-0.15774	0.00062
0.9469	-0.20588	7.28E-06	0.104051	0.02453	0.053044	0.25262	0.12048	0.00916
5.66E-19	-0.02418	0.60223	0.027758	0.54959	-0.06419	0.16609	0.158521	0.00059

0.4262	-0.26191	9.18E-09	-0.0624	0.17824	-0.1774	0.00012	0.016676	0.71928
0.02201	-0.17318	0.00017	0.082858	0.07364	0.011402	0.80588	-0.0862	0.0627
0.05743	-0.06282	0.17534	0.030648	0.50881	-0.10988	0.01754	0.299253	4.07E-11
0.32901	0.033613	0.46867	0.18893	3.97E-05	0.138197	0.00276	0.064348	0.16505
0.03668	-0.24599	7.26E-08	-0.12733	0.00586	-0.24567	7.56E-08	0.014692	0.7515
0.00987	-0.1454	0.00163	0.056056	0.22663	0.029552	0.5241	-0.01479	0.74985
0.00209	-0.02165	0.6408	0.116142	0.01202	-0.02012	0.66447	0.196775	1.84E-05
4.50E-05	-0.03037	0.51268	0.187448	4.58E-05	0.092525	0.04567	0.242095	1.18E-07
0.00345	0.023874	0.60682	0.051346	0.26814	0.016834	0.71672	0.010194	0.8261
0.19589	0.020506	0.6585	0.211254	4.12E-06	0.183982	6.35E-05	0.131379	0.00446
0.20887	-0.07434	0.10861	0.081939	0.0769	-0.02831	0.5417	0.269237	3.38E-09
0.00261	-0.25315	2.91E-08	-0.01551	0.73809	-0.06376	0.16896	-0.0686	0.13881
0.40571	0.097567	0.03505	0.207174	6.36E-06	0.235548	2.62E-07	0.226183	7.86E-07
0.05357	-0.39974	2.41E-19	-0.11624	0.01195	-0.26364	7.27E-09	-0.21102	4.23E-06
4.89E-08	0.006071	0.8959	0.124347	0.00714	0.039452	0.39498	0.185862	5.32E-05
0.70993	-0.05933	0.20064	0.172212	0.00018	0.052832	0.25452	0.061034	0.18796
1.00E-08	-0.22214	1.24E-06	-0.05546	0.23162	-0.21333	3.30E-06	0.005412	0.90714
0.00151	-0.08057	0.08198	0.04397	0.34307	0.012887	0.78121	-0.09304	0.04447
3.74E-05	0.098764	0.03286	0.202179	1.07E-05	0.088151	0.05697	0.172269	0.00018
0.74603	-0.20354	9.28E-06	0.113719	0.01394	-0.03087	0.50573	0.047737	0.30328
0.04658	-0.00602	0.89682	0.205763	7.37E-06	0.133745	0.00379	0.145295	0.00164
7.60E-08	-0.12425	0.00718	-0.0544	0.24068	-0.16422	0.00037	0.136861	0.00304
3.93E-07	-0.14389	0.00182	0.155662	0.00074	0.00411	0.92941	0.233157	3.48E-07
0.00595	-0.10308	0.02591	0.058115	0.21	-0.00564	0.90327	-0.07225	0.11893
4.48E-07	0.076763	0.09755	0.170287	0.00022	0.142466	0.00203	0.23366	3.28E-07
0.3539	0.038674	0.40438	0.17345	0.00017	0.115708	0.01234	0.054621	0.23876
0.18014	0.039656	0.39254	0.090497	0.05065	0.063573	0.17021	0.089284	0.05384
0.04893	-0.2081	5.77E-06	-0.09566	0.0388	-0.11231	0.01518	-0.04341	0.34924
0.00662	-0.00339	0.94182	0.166588	0.0003	0.132197	0.00421	0.214741	2.83E-06
0.07903	-0.12709	0.00595	0.123752	0.00742	0.002323	0.96006	-0.01725	0.71002
0.67048	-0.16902	0.00024	-0.00099	0.98295	-0.09871	0.03295	0.025539	0.58197
2.52E-06	-0.24902	4.95E-08	-0.02906	0.53108	-0.03847	0.40689	-0.15025	0.00113
3.22E-13	0.142937	0.00196	0.157883	0.00062	0.141601	0.00216	0.242909	1.07E-07
0.04369	-0.50857	4.37E-32	-0.20944	5.00E-06	-0.31938	1.56E-12	-0.14266	0.002
0.126	-0.23447	2.98E-07	0.046786	0.31303	-0.05218	0.26047	-0.02054	0.65801
0.6968	-0.05993	0.19606	0.008152	0.86054	-0.03404	0.463	-0.08412	0.06933
0.03471	0.000199	0.99657	0.153051	0.00091	0.243127	1.04E-07	0.162285	0.00043
7.71E-17	-0.42663	4.44E-22	-0.20647	6.84E-06	-0.225	9.00E-07	-0.29264	1.13E-10
1.65E-14	0.031945	0.49104	0.128044	0.00559	0.03907	0.39958	0.255768	2.07E-08
0.00022	-0.0247	0.59436	0.085348	0.06536	0.088103	0.0571	0.105072	0.02316
8.68E-09	-0.07145	0.12311	0.183137	6.87E-05	0.053922	0.24483	0.199331	1.43E-05
0.12676	-0.26256	8.40E-09	-0.03572	0.4412	-0.10191	0.02766	-0.05319	0.25132
0.3026	-0.15866	0.00058	-0.00792	0.86454	-0.05965	0.19821	-0.0963	0.0375
6.54E-05	-0.35377	3.25E-15	-0.15558	0.00074	-0.26431	6.64E-09	-0.1944	2.34E-05
0.13953	0.060363	0.19287	-0.08036	0.0828	-0.05641	0.22374	-0.15113	0.00105

1.16E-08	0.316794	2.40E-12	0.171519	0.0002	0.187203	4.69E-05	0.196027	1.99E-05
0.39706	0.209292	5.08E-06	-0.01057	0.81972	0.032727	0.48048	-0.0623	0.17895
1.02E-05	0.002216	0.9619	-0.2051	7.90E-06	-0.15477	0.00079	-0.27557	1.39E-09
0.67227	0.197775	1.67E-05	-0.0599	0.19633	-0.00466	0.92001	-0.10049	0.02991
0.95011	0.182935	7.00E-05	0.020921	0.65203	0.04417	0.34088	-0.05579	0.22883
0.55829	0.145071	0.00167	-0.01479	0.74989	0.040735	0.37979	-0.06749	0.14535
0.27913	0.186125	5.19E-05	-0.02801	0.54599	0.024397	0.59897	-0.07068	0.12718
0.25767	0.170728	0.00021	-0.04505	0.33131	0.021998	0.63539	-0.13886	0.00263
0.76398	0.13954	0.00251	-0.04042	0.38343	0.000965	0.98341	-0.07324	0.11396
0.06933	0.118016	0.0107	0.031108	0.50246	0.052076	0.26139	0.043949	0.34331
0.49552	0.196447	1.91E-05	0.048774	0.29288	0.095632	0.03885	-0.01292	0.78065
0.36405	0.153864	0.00085	0.006441	0.88958	0.041177	0.37463	-0.12351	0.00754
5.79E-06	-0.20209	1.08E-05	0.093857	0.04263	0.047434	0.30636	-0.06889	0.13713
7.24E-05	0.025272	0.58593	0.005584	0.90421	-0.01016	0.82672	0.092859	0.04489
0.02334	-0.10966	0.01776	0.028543	0.53836	-0.12143	0.00862	0.062183	0.17976
0.11135	0.071156	0.12466	0.192873	2.71E-05	0.134863	0.0035	0.134481	0.0036
0.00589	-0.14844	0.00129	-0.02792	0.54728	-0.07731	0.09517	-0.09396	0.0424
0.05026	-0.231	4.49E-07	-0.01758	0.70468	-0.2056	7.50E-06	-0.10241	0.02689
1.45E-08	-0.23886	1.75E-07	-0.12038	0.00921	-0.17434	0.00015	-0.2319	4.04E-07
1.62E-10	0.156052	0.00071	0.187181	4.70E-05	0.151014	0.00106	0.325629	5.37E-13
1.21E-07	-0.01318	0.77636	0.160678	0.00049	-0.00617	0.89423	0.202048	1.08E-05
0.04007	-0.39411	8.38E-19	-0.27703	1.13E-09	-0.34777	1.01E-14	-0.23495	2.81E-07
2.07E-10	0.145475	0.00162	0.17351	0.00016	0.109976	0.01743	0.164908	0.00035
0.42722	0.015557	0.7374	0.149963	0.00115	0.041421	0.3718	0.110073	0.01733
7.75E-05	-0.2021	1.08E-05	0.111667	0.01577	-0.05448	0.23994	0.152684	0.00093
0.20328	-0.10117	0.02881	0.136415	0.00314	0.10794	0.01964	0.064612	0.16332
0.06077	-0.00627	0.89256	0.102976	0.02606	0.103994	0.02461	0.09342	0.04361
0.32414	-0.30937	8.14E-12	-0.12421	0.0072	-0.20605	7.15E-06	0.006294	0.89209
2.10E-10	-0.0381	0.41139	0.123711	0.00744	0.028642	0.53696	0.294749	8.17E-11
0.11634	-0.20483	8.12E-06	0.013903	0.76444	-0.08707	0.06011	0.093976	0.04237
7.62E-10	-0.36311	5.31E-16	-0.1357	0.0033	-0.20416	8.71E-06	-0.27036	2.89E-09
0.29328	-0.11557	0.01245	0.035534	0.44362	-0.04352	0.34802	0.039484	0.3946
7.70E-14	-0.09035	0.05103	0.09718	0.03578	-0.02232	0.63048	0.21017	4.63E-06
1.40E-11	-0.09627	0.03756	0.086965	0.0604	-0.02298	0.62041	0.239699	1.58E-07
0.00023	-0.1947	2.27E-05	-0.00737	0.87371	-0.10387	0.02479	0.116414	0.01182
4.17E-12	-0.46853	7.38E-27	-0.20389	8.95E-06	-0.26746	4.32E-09	-0.32582	5.19E-13
0.02116	-0.11562	0.01241	0.030716	0.50787	-0.1436	0.00186	0.070238	0.1296
5.18E-05	-0.23347	3.35E-07	0.039862	0.39008	-0.07824	0.09127	0.227064	7.10E-07
0.01465	-0.28523	3.43E-10	-0.07477	0.10657	-0.11975	0.00959	0.029491	0.52495
1.57E-07	0.218003	1.98E-06	0.210189	4.62E-06	0.237572	2.05E-07	0.332929	1.50E-13
0.74597	0.119328	0.00985	0.193226	2.62E-05	0.171492	0.0002	0.213923	3.09E-06
0.00022	0.052059	0.26155	0.201131	1.19E-05	0.146718	0.00148	0.209947	4.74E-06
0.80277	-0.08446	0.06822	0.218258	1.92E-06	0.097904	0.03442	0.107006	0.02073
0.10024	-0.03144	0.49788	0.236265	2.40E-07	0.145495	0.00162	-0.00735	0.87419
0.00992	-0.21623	2.40E-06	-0.06135	0.18571	-0.19204	2.94E-05	0.021032	0.6503

3.43E-16	0.078131	0.0917	0.159473	0.00054	0.058689	0.20552	0.262542	8.43E-09
0.03215	-0.35527	2.44E-15	-0.21336	3.29E-06	-0.33078	2.19E-13	-0.14065	0.00232
0.2534	-0.08866	0.05556	0.084615	0.06771	0.032123	0.48862	0.157843	0.00062
0.00155	-0.17629	0.00013	-0.0234	0.614	-0.04625	0.31857	-0.05901	0.20308
1.66E-07	-0.04096	0.37716	0.028978	0.53219	-0.15855	0.00058	0.118698	0.01025
0.06678	-0.22535	8.64E-07	-0.15181	0.001	-0.20107	1.20E-05	-0.18986	3.63E-05
0.01011	-0.31511	3.18E-12	-0.14578	0.00158	-0.2522	3.30E-08	-0.18503	5.76E-05
0.22359	-0.10034	0.03016	0.039436	0.39518	-0.01647	0.72261	0.077362	0.09495
0.01759	-0.02108	0.64952	0.210176	4.63E-06	0.102433	0.02686	0.220503	1.50E-06
8.32E-06	-0.27222	2.23E-09	0.044842	0.33357	0.034479	0.45728	-0.09203	0.04685
0.00478	-0.1894	3.80E-05	0.084256	0.06889	0.045781	0.32355	-0.00476	0.91828
0.02576	0.079683	0.08542	0.0737	0.11171	0.086602	0.06149	0.182543	7.26E-05
0.59682	-0.22786	6.47E-07	-0.06073	0.19019	-0.12273	0.00793	0.097829	0.03456
0.00027	0.072492	0.11772	0.274088	1.71E-09	0.127599	0.00576	0.095613	0.03888
0.00064	-0.26536	5.75E-09	-0.18544	5.54E-05	-0.1927	2.76E-05	-0.12602	0.00639
0.40744	-0.31272	4.71E-12	-0.00726	0.87559	-0.16812	0.00026	-0.02439	0.59912
0.53111	-0.11238	0.01511	0.230815	4.59E-07	0.082768	0.07395	0.055342	0.23261
4.41E-09	-0.02752	0.55305	0.044891	0.33305	-0.05933	0.20063	0.135869	0.00326
0.02452	-0.40329	1.08E-19	-0.09255	0.04561	-0.19079	3.32E-05	-0.23121	4.38E-07
0.1031	-0.34696	1.17E-14	-0.12618	0.00633	-0.19859	1.54E-05	-0.16703	0.00029
0.00052	-0.10137	0.0285	-0.03259	0.4823	-0.10241	0.0269	0.015259	0.74225
0.30083	-0.00645	0.88947	0.055366	0.23241	-0.00801	0.86293	0.068126	0.14157
0.01923	0.068182	0.14124	0.232607	3.71E-07	0.19961	1.39E-05	0.063006	0.17406
0.09984	-0.06597	0.15463	0.170278	0.00022	0.080062	0.08393	0.045611	0.32535
0.01614	-0.09326	0.04397	0.048721	0.29341	0.013002	0.77931	0.070634	0.12745
7.40E-08	-0.20239	1.05E-05	0.022144	0.63314	-0.1744	0.00015	0.06347	0.17091
0.96949	-0.33562	9.30E-14	-0.1092	0.01824	-0.19969	1.38E-05	-0.01438	0.75655
0.20218	-0.12866	0.00536	0.125752	0.00651	0.048356	0.29705	0.138253	0.00275
0.84953	-0.18882	4.02E-05	-0.08289	0.07352	-0.2171	2.18E-06	0.088757	0.05528
0.99719	-0.32855	3.24E-13	-0.08058	0.08193	-0.23231	3.84E-07	-0.04796	0.30103
0.84236	-0.08654	0.06167	0.007077	0.87877	-0.07656	0.09844	0.075283	0.1042
0.5276	-0.02114	0.6487	0.151201	0.00105	0.14744	0.0014	0.172536	0.00018
0.07208	-0.18772	4.46E-05	-0.03735	0.42061	-0.11049	0.01691	-0.12367	0.00746
0.58888	-0.22261	1.18E-06	-0.08961	0.05297	-0.18197	7.66E-05	0.05393	0.24476
8.41E-09	-0.31755	2.12E-12	-0.1385	0.0027	-0.14043	0.00235	-0.22402	1.01E-06
0.00022	0.008623	0.85257	0.242776	1.08E-07	0.121717	0.00846	0.196503	1.90E-05
0.00225	-0.00056	0.99038	0.085327	0.06543	0.219239	1.72E-06	0.137046	0.003
0.90839	0.105355	0.02279	0.102128	0.02732	0.042735	0.35682	0.07619	0.10008
2.96E-08	-0.02096	0.65146	0.195599	2.07E-05	0.118959	0.01008	0.175477	0.00014
0.00141	-0.16797	0.00027	0.04358	0.34737	-0.07721	0.09561	0.120705	0.00903
0.18484	-0.09247	0.04579	0.195446	2.11E-05	0.074792	0.10649	0.070962	0.12569
0.48279	0.105762	0.02226	0.266415	4.98E-09	0.246645	6.69E-08	0.195635	2.07E-05
0.60793	0.060378	0.19275	0.233665	3.28E-07	0.096387	0.03732	0.106227	0.02168
6.37E-05	-0.30879	8.94E-12	-0.09228	0.04624	-0.16618	0.00031	-0.21024	4.59E-06
3.52E-11	-0.27943	7.98E-10	-0.01415	0.76031	-0.17359	0.00016	0.1001	0.03055

5.43E-06	-0.10947	0.01796	0.003923	0.93262	-0.12006	0.00941	0.07578	0.10193
0.14935	-0.36759	2.18E-16	-0.02645	0.56864	-0.14221	0.00207	-0.12465	0.007
0.06	-0.22747	6.77E-07	-0.05723	0.217	-0.08858	0.05575	-0.108	0.01957
0.04565	-0.11364	0.01401	0.003915	0.93275	-0.07309	0.11472	-0.06473	0.16255
9.69E-05	0.000383	0.99341	0.1213	0.00869	0.085879	0.0637	0.124043	0.00728
1.82E-06	-0.20029	1.30E-05	-0.06602	0.15432	-0.13555	0.00334	-0.15449	0.00081
0.03386	-0.02645	0.5686	0.159383	0.00055	0.101866	0.02772	0.157082	0.00066
0.00318	-0.10613	0.0218	0.104772	0.02356	-0.00467	0.91983	0.18192	7.69E-05
0.001	-0.0539	0.24501	0.121633	0.00851	0.064631	0.1632	0.114253	0.01349
0.1568	-0.02254	0.62714	0.259265	1.31E-08	0.065638	0.15672	-0.00769	0.86831
0.06055	-0.13718	0.00297	-0.02951	0.5247	0.089822	0.0524	-0.05088	0.27249
5.51E-13	-0.45028	1.08E-24	-0.1418	0.00213	-0.26123	1.00E-08	-0.17252	0.00018
0.02584	-0.31217	5.16E-12	-0.03829	0.40908	-0.22776	6.55E-07	-0.01397	0.76337
0.03339	-0.0224	0.62917	0.110942	0.01646	0.019888	0.66816	-0.03108	0.50285
1.80E-12	0.029054	0.53112	0.165517	0.00033	0.036039	0.43718	0.124078	0.00726
0.05286	-0.13599	0.00323	0.021584	0.64176	-0.11422	0.01352	0.007567	0.87045
0.01749	-0.13336	0.00389	0.136001	0.00323	0.01317	0.77653	0.08444	0.06828
0.65791	-0.24	1.53E-07	0.023157	0.61767	-0.11309	0.01448	-0.00362	0.93779
0.00162	0.027756	0.54963	0.200577	1.26E-05	0.134376	0.00362	0.105025	0.02322
0.0006	-0.31189	5.40E-12	-0.06434	0.16509	-0.0691	0.13595	-0.13125	0.0045
0.0146	-0.02271	0.62446	-0.08083	0.08098	0.00356	0.93884	-0.02745	0.55411
1.64E-10	-0.18059	8.69E-05	-0.1549	0.00078	-0.16329	0.0004	-0.22597	8.05E-07
2.52E-07	0.055088	0.23476	-0.03757	0.41788	0.050851	0.27279	-0.12544	0.00664
0.18501	0.085909	0.0636	0.107087	0.02063	0.136267	0.00317	0.199333	1.43E-05
0.01454	0.189141	3.90E-05	0.222744	1.16E-06	0.194096	2.41E-05	0.264497	6.47E-09
8.01E-16	0.289872	1.71E-10	0.288599	2.07E-10	0.250011	4.36E-08	0.390462	1.86E-18
2.09E-09	0.402374	1.33E-19	0.243047	1.05E-07	0.238082	1.93E-07	0.274592	1.59E-09
3.93E-05	0.202299	1.05E-05	0.150884	0.00107	0.161657	0.00045	0.315189	3.14E-12
2.26E-09	0.438654	2.20E-23	0.418038	3.53E-21	0.457496	1.55E-25	0.504175	1.77E-31
0.69327	0.006312	0.89179	-0.04905	0.29015	0.026961	0.56112	0.0002	0.99657
0.69481	0.131402	0.00445	0.117257	0.01122	0.155019	0.00078	0.077344	0.09503
7.93E-06	-0.13365	0.00381	-0.05141	0.26756	-0.00555	0.90485	0.062396	0.17827
0.0097	0.126439	0.00622	0.131836	0.00432	0.250945	3.87E-08	0.080872	0.08084
0.06841	0.137635	0.00288	0.168756	0.00025	0.134144	0.00368	0.166437	0.0003
0.47878	0.030527	0.51049	-0.18162	7.91E-05	-0.15611	0.00071	-0.09107	0.04919
1.81E-05	0.265969	5.29E-09	0.195703	2.05E-05	0.211888	3.85E-06	0.271021	2.63E-09
1.35E-06	-0.19183	3.00E-05	-0.19708	1.79E-05	-0.18959	3.73E-05	-0.23944	1.63E-07
0.89706	0.216544	2.32E-06	0.169645	0.00023	0.181061	8.32E-05	0.143924	0.00182
0.79241	0.184901	5.83E-05	0.125684	0.00654	0.183988	6.35E-05	0.122971	0.0078
3.20E-07	-0.06731	0.14641	-0.07139	0.1234	-0.06297	0.17433	-0.08889	0.0549
3.19E-08	0.149338	0.00121	0.184843	5.86E-05	0.152505	0.00095	0.296017	6.72E-11
0.36592	0.143838	0.00183	0.146613	0.00149	0.192402	2.84E-05	0.103076	0.02592
0.0067	0.177713	0.00011	0.142081	0.00209	0.202605	1.02E-05	0.175924	0.00013
0.53035	0.055665	0.22989	0.050412	0.27695	0.088889	0.05491	0.082745	0.07403
3.00E-09	0.361922	6.71E-16	0.282846	4.86E-10	0.316784	2.40E-12	0.293916	9.28E-11

0.56229	0.098465	0.03339	0.013793	0.76626	0.093156	0.04421	0.050602	0.27515
4.02E-10	-0.11784	0.01081	-0.19357	2.53E-05	-0.19684	1.83E-05	-0.18632	5.10E-05
0.70361	0.350073	6.55E-15	0.132927	0.00401	0.159412	0.00054	0.159323	0.00055
2.71E-15	-0.24918	4.85E-08	-0.27556	1.39E-09	-0.28083	6.53E-10	-0.32407	7.02E-13
0.16619	-0.00195	0.96651	0.004526	0.92229	0.062112	0.18026	0.10791	0.01967
5.36E-06	-0.08114	0.07985	0.064332	0.16516	-0.04511	0.33067	0.137278	0.00295
2.07E-19	-0.33695	7.32E-14	-0.21003	4.70E-06	-0.16542	0.00033	-0.22469	9.32E-07
0.00044	-0.04688	0.31208	-0.001	0.98278	0.032344	0.48563	-0.00086	0.9852
3.07E-08	0.118681	0.01026	0.033078	0.47579	0.195897	2.01E-05	-0.0009	0.98444
5.37E-10	0.183175	6.85E-05	0.0563	0.22461	0.059154	0.20195	0.226751	7.36E-07
0.0039	-0.09827	0.03375	-0.08736	0.05925	-0.02726	0.55675	-0.04922	0.28851
0.35253	-0.01193	0.79715	-0.02289	0.62179	-0.01345	0.77194	0.075021	0.10541
0.38227	0.008944	0.84713	0.045319	0.32845	0.047032	0.31049	0.154872	0.00078
0.00011	-0.09128	0.04867	-0.14029	0.00238	-0.10279	0.02633	-0.10061	0.02971
0.06936	-0.04928	0.2879	-0.01977	0.66999	0.075057	0.10525	-0.00917	0.84341
7.29E-09	-0.13687	0.00304	-0.18316	6.85E-05	-0.16046	0.0005	-0.15986	0.00052
0.00029	0.25584	2.05E-08	0.137514	0.0029	0.198545	1.54E-05	0.297846	5.07E-11
1.21E-07	0.182103	7.56E-05	0.143295	0.00191	0.126014	0.0064	0.307104	1.17E-11
9.52E-08	0.293198	1.04E-10	0.20774	5.99E-06	0.274077	1.72E-09	0.31205	5.26E-12
0.9979	0.10739	0.02027	0.006015	0.89685	0.130633	0.00469	0.12061	0.00908
0.22144	0.059654	0.19816	0.092034	0.04684	0.127754	0.0057	0.100951	0.02916
0.04236	0.007357	0.87401	-0.04887	0.29193	0.010337	0.8237	-0.12038	0.00921
0.00584	0.121743	0.00845	-0.05291	0.2538	0.006701	0.88517	-0.04764	0.30422
2.89E-06	0.285936	3.08E-10	0.323852	7.29E-13	0.328249	3.41E-13	0.349287	7.60E-15
1.13E-07	0.292273	1.19E-10	0.246495	6.81E-08	0.250178	4.27E-08	0.272752	2.07E-09
0.01508	0.15843	0.00059	0.065276	0.15903	0.131416	0.00445	0.084654	0.06758
7.26E-15	0.36857	1.79E-16	0.278461	9.18E-10	0.269303	3.35E-09	0.296692	6.06E-11
0.01776	0.140709	0.00231	0.109879	0.01753	0.153348	0.00089	0.012888	0.78119
0.84554	0.159663	0.00053	0.09089	0.04965	0.15512	0.00077	-0.03219	0.48775
0.04883	0.091471	0.04821	0.107656	0.01997	0.181071	8.32E-05	0.24136	1.29E-07
0.30945	0.233983	3.15E-07	0.216128	2.43E-06	0.225283	8.71E-07	0.194346	2.35E-05
0.00045	-0.01682	0.71693	-0.10632	0.02156	0.012008	0.79579	0.039502	0.39439
0.92319	0.084705	0.06742	0.040725	0.3799	0.099961	0.03079	0.01224	0.79192
7.20E-05	-0.0437	0.34601	0.005222	0.91039	-0.07117	0.1246	0.177297	0.00012
0.00214	-0.04562	0.32521	0.050538	0.27576	-0.07483	0.1063	0.028736	0.53561
1.65E-10	0.384276	6.99E-18	0.281593	5.84E-10	0.225402	8.59E-07	0.437529	2.93E-23
0.03186	0.087965	0.05749	0.032687	0.48101	0.068022	0.14218	0.059947	0.19596
0.00017	-0.19319	2.63E-05	-0.11677	0.01156	-0.06769	0.14412	-0.11057	0.01683
0.01825	-0.05226	0.25974	0.03875	0.40346	-0.00744	0.8726	0.225605	8.40E-07
0.08374	0.262777	8.16E-09	0.199409	1.42E-05	0.209915	4.76E-06	0.206708	6.68E-06
0.05225	0.054358	0.24103	0.109574	0.01785	0.185744	5.38E-05	0.200432	1.28E-05
3.11E-49	0.581011	1.65E-43	0.522347	4.74E-34	0.496188	2.14E-30	0.554468	5.36E-39
0.18488	-0.21594	2.48E-06	-0.28667	2.76E-10	-0.35465	2.75E-15	-0.17716	0.00012
6.11E-85	0.401826	1.51E-19	0.39075	1.74E-18	0.261744	9.38E-09	0.6027	1.62E-47
8.32E-44	0.576931	8.65E-43	0.454385	3.60E-25	0.421639	1.49E-21	0.549983	2.83E-38

1.48E-54	0.562591	2.46E-40	0.504692	1.50E-31	0.506097	9.63E-32	0.583339	6.32E-44
9.06E-13	-0.27414	1.70E-09	-0.31611	2.69E-12	-0.33923	4.86E-14	-0.40035	2.10E-19
3.13E-46	0.136265	0.00317	0.20591	7.26E-06	0.02338	0.61429	0.482982	1.15E-28
5.77E-79	0.468002	8.56E-27	0.398457	3.20E-19	0.309744	7.66E-12	0.622033	2.34E-51
1.50E-46	0.470034	4.83E-27	0.459838	8.22E-26	0.401488	1.63E-19	0.577996	5.62E-43
2.25E-14	-0.01745	0.70691	0.138629	0.00268	0.061077	0.18764	0.156257	0.0007
3.58E-84	0.35218	4.40E-15	0.294932	7.95E-11	0.169264	0.00024	0.602314	1.92E-47
3.18E-27	0.287983	2.28E-10	0.220169	1.55E-06	0.139372	0.00254	0.345041	1.68E-14
7.43E-68	0.291652	1.31E-10	0.330087	2.47E-13	0.218582	1.85E-06	0.572487	5.14E-42
4.67E-60	0.481451	1.80E-28	0.42348	9.56E-22	0.394435	7.80E-19	0.664459	8.44E-61
6.13E-17	0.24473	8.50E-08	0.192696	2.76E-05	0.247259	6.19E-08	0.425074	6.49E-22
6.77E-49	0.425882	5.33E-22	0.36698	2.47E-16	0.265738	5.46E-09	0.520646	8.38E-34
4.92E-49	0.34919	7.74E-15	0.287614	2.40E-10	0.302516	2.44E-11	0.524664	2.17E-34
5.25E-41	0.083776	0.07049	0.251523	3.59E-08	0.065596	0.15699	0.260373	1.13E-08
4.99E-05	0.202271	1.06E-05	0.288826	2.01E-10	0.314725	3.39E-12	0.336268	8.28E-14
1.81E-20	0.15913	0.00056	0.10502	0.02323	-0.0043	0.92608	0.291828	1.28E-10
1.47E-08	0.294475	8.52E-11	0.317	2.32E-12	0.334747	1.09E-13	0.343664	2.16E-14
2.25E-28	0.521066	7.28E-34	0.270159	2.97E-09	0.237536	2.06E-07	0.388921	2.59E-18
6.77E-41	0.58806	8.86E-45	0.504114	1.81E-31	0.579501	3.05E-43	0.580739	1.84E-43
6.82E-05	0.15377	0.00086	0.247563	5.95E-08	0.230161	4.95E-07	0.288848	2.00E-10
5.00E-60	0.612992	1.58E-49	0.390585	1.81E-18	0.377966	2.63E-17	0.543901	2.60E-37
7.04E-66	0.489635	1.58E-29	0.512687	1.16E-32	0.385513	5.38E-18	0.569443	1.71E-41
9.97E-52	0.548015	5.84E-38	0.503803	1.99E-31	0.424432	7.59E-22	0.610121	5.85E-49
2.09E-52	0.359202	1.14E-15	0.344781	1.76E-14	0.272481	2.15E-09	0.476299	8.07E-28
9.72E-30	0.402341	1.34E-19	0.417092	4.42E-21	0.381822	1.17E-17	0.735796	9.65E-81
1.96E-11	0.13947	0.00252	0.156498	0.00069	0.120937	0.00889	0.337554	6.57E-14
5.92E-20	0.355079	2.53E-15	0.369752	1.41E-16	0.393134	1.04E-18	0.542544	4.24E-37
0.00351	0.228834	5.78E-07	0.250694	4.00E-08	0.250958	3.86E-08	0.30028	3.47E-11
2.02E-24	0.298526	4.56E-11	0.347095	1.14E-14	0.284	4.10E-10	0.337775	6.31E-14
9.69E-09	0.26998	3.05E-09	0.372687	7.79E-17	0.325989	5.05E-13	0.282759	4.92E-10
5.84E-24	0.49679	1.78E-30	0.332934	1.50E-13	0.294667	8.27E-11	0.379441	1.93E-17
6.46E-11	0.377481	2.91E-17	0.455556	2.63E-25	0.389809	2.14E-18	0.346193	1.35E-14
7.58E-34	0.411881	1.50E-20	0.353275	3.57E-15	0.274943	1.52E-09	0.476109	8.53E-28
5.34E-38	0.409826	2.43E-20	0.322758	8.78E-13	0.290649	1.52E-10	0.487194	3.29E-29
6.52E-11	0.387101	3.83E-18	0.274424	1.63E-09	0.303416	2.12E-11	0.234866	2.84E-07
6.16E-31	0.36376	4.67E-16	0.348634	8.59E-15	0.305087	1.62E-11	0.541134	7.04E-37
1.33E-15	-0.10147	0.02833	-0.29965	3.83E-11	-0.29359	9.76E-11	-0.29607	6.67E-11
2.48E-30	0.566803	4.82E-41	0.475807	9.30E-28	0.452432	6.07E-25	0.399831	2.36E-19
9.06E-44	0.223685	1.05E-06	0.177593	0.00011	0.113564	0.01407	0.406435	5.29E-20
4.29E-79	0.525489	1.64E-34	0.403743	9.77E-20	0.330335	2.37E-13	0.614133	9.35E-50
3.52E-17	0.40799	3.70E-20	0.356421	1.96E-15	0.309022	8.61E-12	0.315155	3.15E-12
2.23E-15	0.092815	0.045	0.075164	0.10475	-0.01132	0.80732	0.256136	1.97E-08
2.62E-80	0.374173	5.75E-17	0.39874	3.01E-19	0.282794	4.90E-10	0.613682	1.15E-49
9.15E-48	0.355669	2.26E-15	0.408262	3.48E-20	0.323458	7.79E-13	0.573741	3.11E-42
1.82E-65	0.605646	4.38E-48	0.561608	3.59E-40	0.487713	2.81E-29	0.617348	2.11E-50



2.38E-41	0.392514	1.19E-18	0.393769	9.03E-19	0.297449	5.39E-11	0.509662	3.08E-32
3.23E-34	0.339764	4.41E-14	0.280866	6.49E-10	0.197191	1.77E-05	0.353578	3.37E-15
4.65E-65	0.246641	6.69E-08	0.363489	4.93E-16	0.258717	1.40E-08	0.557162	1.95E-39
1.91E-61	0.286673	2.77E-10	0.252059	3.35E-08	0.159519	0.00054	0.487932	2.64E-29
1.10E-28	0.175643	0.00014	0.23096	4.51E-07	0.146586	0.00149	0.386237	4.61E-18
2.21E-10	0.280344	7.00E-10	0.356561	1.90E-15	0.314023	3.80E-12	0.365932	3.04E-16
3.61E-49	0.525969	1.39E-34	0.494494	3.61E-30	0.518121	1.94E-33	0.631041	3.07E-53
1.07E-36	0.548862	4.28E-38	0.434155	6.87E-23	0.47413	1.51E-27	0.62074	4.31E-51
5.49E-26	0.368236	1.92E-16	0.269582	3.22E-09	0.170192	0.00022	0.314806	3.34E-12
5.98E-37	0.531909	1.81E-35	0.531076	2.42E-35	0.465919	1.53E-26	0.528943	5.04E-35
4.37E-11	0.265187	5.89E-09	0.35595	2.14E-15	0.250631	4.03E-08	0.376434	3.61E-17
3.30E-39	0.458104	1.32E-25	0.47871	4.01E-28	0.399738	2.41E-19	0.464346	2.37E-26
1.16E-21	0.414465	8.22E-21	0.254604	2.41E-08	0.224814	9.19E-07	0.373494	6.61E-17
3.76E-09	0.179432	9.66E-05	0.258005	1.54E-08	0.254825	2.34E-08	0.284682	3.71E-10
7.96E-22	0.400709	1.94E-19	0.453725	4.29E-25	0.401089	1.78E-19	0.436697	3.62E-23
3.92E-31	0.22036	1.52E-06	0.221911	1.28E-06	0.152728	0.00093	0.447649	2.15E-24
3.61E-17	0.426595	4.48E-22	0.285385	3.35E-10	0.305466	1.53E-11	0.394051	8.49E-19
1.65E-33	0.435759	4.59E-23	0.356252	2.02E-15	0.361081	7.92E-16	0.462251	4.24E-26
4.27E-36	0.474287	1.44E-27	0.440316	1.44E-23	0.422151	1.32E-21	0.548932	4.17E-38
3.84E-20	0.168904	0.00025	0.219713	1.63E-06	0.130961	0.00459	0.297805	5.10E-11
1.36E-34	0.376376	3.65E-17	0.302036	2.63E-11	0.280774	6.57E-10	0.507055	7.09E-32
3.38E-39	0.365454	3.34E-16	0.460208	7.42E-26	0.292693	1.12E-10	0.504528	1.58E-31
1.77E-48	0.42184	1.42E-21	0.389964	2.07E-18	0.266586	4.86E-09	0.620002	6.10E-51
8.57E-25	0.290485	1.56E-10	0.297153	5.64E-11	0.356789	1.82E-15	0.394541	7.62E-19
1.65E-57	0.330699	2.22E-13	0.309644	7.79E-12	0.26292	8.01E-09	0.579756	2.75E-43
2.24E-33	0.165277	0.00033	0.19825	1.59E-05	0.07665	0.09804	0.269816	3.12E-09
1.76E-46	0.391865	1.37E-18	0.268198	3.90E-09	0.241892	1.21E-07	0.359892	9.99E-16
1.28E-47	0.433774	7.56E-23	0.432906	9.40E-23	0.294557	8.42E-11	0.613208	1.43E-49
1.01E-46	0.472178	2.63E-27	0.523518	3.20E-34	0.452481	5.99E-25	0.597581	1.52E-46
1.37E-23	0.339275	4.81E-14	0.419627	2.42E-21	0.381039	1.38E-17	0.478143	4.73E-28
5.75E-38	0.321106	1.16E-12	0.323651	7.54E-13	0.310212	7.10E-12	0.488209	2.43E-29
2.00E-42	0.424891	6.79E-22	0.267269	4.43E-09	0.124756	0.00695	0.469162	6.18E-27
8.58E-37	0.489009	1.91E-29	0.44389	5.73E-24	0.380275	1.62E-17	0.460076	7.70E-26
5.15E-27	0.376949	3.25E-17	0.424433	7.59E-22	0.341214	3.38E-14	0.461166	5.71E-26
1.22E-47	0.474172	1.49E-27	0.47463	1.30E-27	0.413308	1.08E-20	0.52359	3.12E-34
4.28E-69	0.359965	9.85E-16	0.332679	1.57E-13	0.277812	1.01E-09	0.528046	6.86E-35
2.90E-34	0.238883	1.75E-07	0.244544	8.70E-08	0.183648	6.55E-05	0.440859	1.25E-23
1.92E-07	0.348506	8.80E-15	0.171574	0.00019	0.192256	2.88E-05	0.305079	1.62E-11
0.05438	-0.3009	3.14E-11	-0.33739	6.76E-14	-0.36089	8.21E-16	-0.12101	0.00885
2.02E-82	0.729672	8.82E-79	0.622069	2.30E-51	0.555115	4.21E-39	0.721774	2.49E-76
4.31E-19	0.225888	8.13E-07	0.228552	5.97E-07	0.181886	7.72E-05	0.20298	9.83E-06
3.23E-54	0.574277	2.51E-42	0.514565	6.26E-33	0.501314	4.36E-31	0.630025	5.04E-53
1.97E-07	0.402142	1.40E-19	0.414727	7.73E-21	0.495322	2.80E-30	0.385047	5.94E-18
7.12E-26	0.570679	1.05E-41	0.516837	2.97E-33	0.459266	9.60E-26	0.58845	7.52E-45
0.0001	0.172761	0.00018	0.203671	9.16E-06	0.121211	0.00874	0.282804	4.89E-10

0.18106	0.197756	1.67E-05	0.35058	5.96E-15	0.325558	5.43E-13	0.116391	0.01183
1.06E-18	0.208865	5.32E-06	0.055956	0.22746	0.023476	0.61283	0.334164	1.20E-13
2.23E-52	0.347651	1.03E-14	0.310347	6.95E-12	0.182669	7.18E-05	0.489963	1.43E-29
3.91E-20	0.354378	2.90E-15	0.317258	2.22E-12	0.190125	3.54E-05	0.295584	7.19E-11
1.33E-11	0.465949	1.52E-26	0.442203	8.87E-24	0.469981	4.90E-27	0.436506	3.80E-23
1.08E-23	0.287687	2.38E-10	0.377151	3.11E-17	0.248161	5.52E-08	0.503095	2.49E-31
1.50E-45	0.323628	7.57E-13	0.373572	6.50E-17	0.306118	1.38E-11	0.479027	3.66E-28
1.21E-33	0.22368	1.05E-06	0.290822	1.49E-10	0.195311	2.13E-05	0.452692	5.66E-25
5.76E-24	0.331424	1.96E-13	0.264673	6.31E-09	0.269502	3.25E-09	0.342733	2.56E-14
0.00136	0.140491	0.00234	0.278847	8.69E-10	0.139651	0.00249	0.18826	4.24E-05
8.47E-26	0.397681	3.81E-19	0.376621	3.47E-17	0.353567	3.38E-15	0.489668	1.56E-29
9.35E-24	0.128161	0.00554	0.162311	0.00043	0.100296	0.03023	0.303639	2.04E-11
3.51E-18	0.636663	1.91E-54	0.442692	7.82E-24	0.466141	1.44E-26	0.456516	2.03E-25
1.91E-31	0.578943	3.83E-43	0.572795	4.54E-42	0.523044	3.75E-34	0.467194	1.07E-26
2.29E-54	0.446357	3.02E-24	0.48985	1.48E-29	0.413117	1.13E-20	0.558852	1.03E-39
7.23E-17	0.518762	1.57E-33	0.435588	4.79E-23	0.42027	2.07E-21	0.431537	1.32E-22
9.67E-22	0.204008	8.84E-06	0.202635	1.02E-05	0.141236	0.00222	0.367074	2.42E-16
6.17E-22	0.429091	2.42E-22	0.395149	6.67E-19	0.369161	1.59E-16	0.485473	5.49E-29
1.53E-41	0.333912	1.26E-13	0.399201	2.71E-19	0.350545	6.00E-15	0.569372	1.76E-41
1.15E-35	0.419524	2.48E-21	0.397062	4.37E-19	0.322725	8.83E-13	0.443874	5.76E-24
7.07E-12	0.38951	2.28E-18	0.352642	4.03E-15	0.362877	5.56E-16	0.260112	1.17E-08
2.41E-22	0.311457	5.80E-12	0.34382	2.10E-14	0.23408	3.12E-07	0.332543	1.61E-13
4.09E-25	0.386991	3.92E-18	0.356922	1.78E-15	0.359436	1.09E-15	0.41379	9.63E-21
5.64E-38	0.498016	1.22E-30	0.30885	8.86E-12	0.325576	5.42E-13	0.433852	7.42E-23
2.68E-41	0.171403	0.0002	0.219914	1.60E-06	0.081716	0.07771	0.344486	1.86E-14
5.63E-12	0.265898	5.34E-09	0.332306	1.67E-13	0.185506	5.50E-05	0.301487	2.87E-11
6.06E-09	-0.12436	0.00713	-0.09737	0.03542	-0.12714	0.00593	-0.29783	5.08E-11
7.30E-35	0.63732	1.37E-54	0.592633	1.28E-45	0.59828	1.12E-46	0.631608	2.33E-53
1.85E-44	0.540472	8.91E-37	0.451173	8.48E-25	0.452644	5.73E-25	0.612243	2.22E-49
3.44E-06	0.321938	1.01E-12	0.294254	8.82E-11	0.316837	2.38E-12	0.275458	1.41E-09
4.52E-44	0.515049	5.34E-33	0.536825	3.25E-36	0.501827	3.71E-31	0.641288	1.86E-55
3.96E-24	0.087354	0.05926	0.245944	7.30E-08	0.106788	0.02099	0.222132	1.25E-06
2.15E-69	0.380676	1.49E-17	0.314079	3.77E-12	0.276467	1.22E-09	0.493132	5.47E-30
5.23E-36	0.454215	3.77E-25	0.421814	1.43E-21	0.40899	2.94E-20	0.598793	8.99E-47
4.47E-43	0.60473	6.59E-48	0.564267	1.29E-40	0.574675	2.14E-42	0.662042	3.21E-60
5.84E-58	0.3927	1.14E-18	0.341373	3.29E-14	0.233458	3.36E-07	0.547446	7.19E-38
0.00012	0.131535	0.00441	0.039729	0.39168	0.043403	0.34934	0.179232	9.84E-05
1.68E-75	0.534227	8.09E-36	0.393891	8.79E-19	0.364827	3.78E-16	0.562632	2.42E-40
7.02E-25	0.333922	1.26E-13	0.414167	8.82E-21	0.319822	1.44E-12	0.287291	2.52E-10
3.38E-30	0.27255	2.13E-09	0.35763	1.55E-15	0.377697	2.78E-17	0.447274	2.37E-24
3.32E-24	0.359825	1.01E-15	0.303543	2.07E-11	0.345391	1.57E-14	0.508875	3.96E-32
1.33E-20	0.21549	2.61E-06	0.308369	9.57E-12	0.279889	7.48E-10	0.488502	2.22E-29
1.55E-56	0.380417	1.58E-17	0.381165	1.35E-17	0.317908	1.99E-12	0.50449	1.60E-31
1.28E-14	0.02729	0.55635	0.178467	0.00011	0.110545	0.01686	0.271084	2.61E-09
5.39E-63	0.577063	8.20E-43	0.393162	1.03E-18	0.358658	1.27E-15	0.593494	8.86E-46

5.04E-42	0.323753	7.41E-13	0.267291	4.42E-09	0.2256	8.40E-07	0.439673	1.70E-23
6.45E-07	0.134579	0.00357	0.26604	5.24E-09	0.229107	5.60E-07	0.290618	1.53E-10
3.92E-47	0.262886	8.04E-09	0.203245	9.57E-06	0.101419	0.02842	0.444699	4.65E-24
2.58E-37	0.427317	3.75E-22	0.25447	2.45E-08	0.229163	5.56E-07	0.47573	9.51E-28
3.16E-52	0.285579	3.25E-10	0.259201	1.32E-08	0.229121	5.59E-07	0.428391	2.88E-22
2.83E-81	0.492073	7.55E-30	0.357905	1.47E-15	0.221755	1.30E-06	0.596698	2.23E-46
9.51E-13	0.44938	1.36E-24	0.375468	4.41E-17	0.34873	8.43E-15	0.455894	2.40E-25
3.02E-09	0.459043	1.02E-25	0.325583	5.41E-13	0.313534	4.12E-12	0.357303	1.65E-15
1.23E-09	0.340183	4.08E-14	0.402161	1.40E-19	0.379027	2.11E-17	0.369909	1.37E-16
3.82E-38	0.383261	8.67E-18	0.315764	2.85E-12	0.213365	3.28E-06	0.368375	1.86E-16
2.36E-09	0.268447	3.77E-09	0.359721	1.03E-15	0.287308	2.52E-10	0.295299	7.51E-11
2.21E-64	0.468741	6.95E-27	0.463921	2.67E-26	0.343521	2.22E-14	0.612275	2.19E-49
6.83E-12	0.481466	1.79E-28	0.500708	5.27E-31	0.493318	5.17E-30	0.40871	3.14E-20
1.58E-49	0.284102	4.04E-10	0.332067	1.75E-13	0.270065	3.01E-09	0.46889	6.67E-27
3.09E-48	0.495764	2.44E-30	0.386958	3.95E-18	0.328078	3.51E-13	0.538368	1.88E-36
3.07E-52	0.338404	5.64E-14	0.365564	3.27E-16	0.28123	6.15E-10	0.459639	8.68E-26
4.97E-22	0.440294	1.45E-23	0.324911	6.07E-13	0.296489	6.25E-11	0.449758	1.23E-24
4.25E-11	0.274578	1.60E-09	0.292267	1.19E-10	0.296134	6.60E-11	0.402778	1.22E-19
7.88E-18	0.399072	2.79E-19	0.314622	3.44E-12	0.366719	2.60E-16	0.491718	8.41E-30
0.00022	0.004386	0.92469	0.193593	2.53E-05	0.124488	0.00707	0.203084	9.73E-06
5.60E-13	0.340211	4.06E-14	0.277893	9.96E-10	0.203848	8.99E-06	0.385641	5.23E-18
2.80E-15	0.440612	1.34E-23	0.344911	1.72E-14	0.304484	1.79E-11	0.41302	1.15E-20
7.89E-64	0.535217	5.72E-36	0.413726	9.78E-21	0.386036	4.81E-18	0.588458	7.49E-45
8.06E-40	0.47039	4.37E-27	0.314746	3.37E-12	0.307781	1.05E-11	0.458675	1.13E-25
2.65E-19	0.44168	1.02E-23	0.390654	1.78E-18	0.304134	1.89E-11	0.225962	8.06E-07
7.14E-40	0.547916	6.05E-38	0.495362	2.76E-30	0.488061	2.54E-29	0.536184	4.07E-36
1.71E-10	-0.34976	6.95E-15	-0.27347	1.87E-09	-0.21558	2.58E-06	-0.35336	3.51E-15
2.32E-30	0.484545	7.24E-29	0.525384	1.70E-34	0.481389	1.84E-28	0.633587	8.78E-54
0.00087	0.271795	2.36E-09	0.385481	5.41E-18	0.31893	1.68E-12	0.359545	1.07E-15
1.11E-23	0.200101	1.32E-05	0.21801	1.98E-06	0.081834	0.07728	0.293242	1.03E-10
5.54E-10	0.320018	1.40E-12	0.275914	1.32E-09	0.266147	5.17E-09	0.35191	4.63E-15
3.27E-13	-0.25153	3.59E-08	-0.18016	9.04E-05	-0.24157	1.26E-07	-0.38033	1.61E-17
9.24E-05	0.221358	1.36E-06	0.274798	1.55E-09	0.260602	1.09E-08	0.222486	1.20E-06
1.59E-28	0.480876	2.13E-28	0.392981	1.07E-18	0.377175	3.10E-17	0.472146	2.65E-27
8.83E-14	0.258696	1.41E-08	0.198661	1.53E-05	0.245517	7.70E-08	0.348013	9.65E-15
4.69E-16	0.29844	4.62E-11	0.29365	9.67E-11	0.346378	1.31E-14	0.426995	4.06E-22
2.56E-05	0.295394	7.40E-11	0.358013	1.44E-15	0.389154	2.46E-18	0.467612	9.55E-27
1.50E-13	0.400354	2.10E-19	0.402318	1.35E-19	0.417869	3.68E-21	0.455857	2.42E-25
8.05E-21	0.508365	4.67E-32	0.464601	2.21E-26	0.458638	1.14E-25	0.600714	3.88E-47
2.32E-23	0.239881	1.55E-07	0.288457	2.12E-10	0.126358	0.00625	0.356101	2.08E-15
3.13E-45	0.692544	5.91E-68	0.62134	3.25E-51	0.568512	2.47E-41	0.577224	7.69E-43
7.44E-23	0.547002	8.45E-38	0.496092	2.21E-30	0.482256	1.42E-28	0.458614	1.15E-25
8.36E-27	0.579338	3.26E-43	0.439055	1.99E-23	0.377691	2.78E-17	0.475182	1.11E-27
5.05E-09	0.375289	4.57E-17	0.344248	1.94E-14	0.355002	2.57E-15	0.374294	5.61E-17
1.69E-26	0.48173	1.66E-28	0.49037	1.27E-29	0.392715	1.14E-18	0.400436	2.06E-19

1.57E-15	0.311383	5.87E-12	0.368385	1.86E-16	0.331817	1.83E-13	0.562736	2.33E-40
8.86E-12	0.06685	0.14919	0.208121	5.75E-06	0.10794	0.01964	0.188298	4.22E-05
4.62E-28	0.416597	4.97E-21	0.327097	4.17E-13	0.253886	2.65E-08	0.402419	1.32E-19
1.21E-28	0.569255	1.84E-41	0.541595	5.97E-37	0.521951	5.41E-34	0.714798	3.09E-74
1.08E-61	0.452457	6.03E-25	0.444365	5.07E-24	0.387242	3.72E-18	0.588368	7.78E-45
6.52E-42	0.20802	5.82E-06	0.386052	4.79E-18	0.272652	2.10E-09	0.539091	1.46E-36
3.48E-26	0.243437	9.99E-08	0.299438	3.96E-11	0.255674	2.10E-08	0.370783	1.15E-16
5.77E-21	-0.25303	2.96E-08	-0.20753	6.12E-06	-0.12984	0.00495	-0.26567	5.51E-09
8.77E-46	0.4191	2.74E-21	0.336597	7.80E-14	0.31689	2.36E-12	0.578167	5.25E-43
2.18E-40	0.289975	1.69E-10	0.394154	8.30E-19	0.239221	1.68E-07	0.514319	6.78E-33
7.77E-13	-0.26153	9.65E-09	-0.11081	0.01659	-0.15672	0.00068	-0.44385	5.79E-24
6.24E-43	0.357003	1.75E-15	0.299664	3.82E-11	0.275049	1.49E-09	0.489338	1.73E-29
1.44E-16	0.271781	2.37E-09	0.312507	4.88E-12	0.238627	1.80E-07	0.306498	1.29E-11
0.00022	0.254547	2.43E-08	0.270556	2.81E-09	0.245967	7.28E-08	0.275123	1.48E-09
7.91E-57	0.357251	1.67E-15	0.427298	3.77E-22	0.36185	6.81E-16	0.491067	1.02E-29
5.30E-27	0.373205	7.01E-17	0.305306	1.57E-11	0.311528	5.73E-12	0.44117	1.16E-23
0.00468	0.316001	2.74E-12	0.36235	6.17E-16	0.360034	9.71E-16	0.182349	7.39E-05
9.77E-60	0.576554	1.01E-42	0.470212	4.59E-27	0.377483	2.91E-17	0.472312	2.53E-27
2.48E-43	0.289218	1.89E-10	0.32896	3.01E-13	0.265121	5.94E-09	0.37935	1.97E-17
6.41E-45	0.35476	2.69E-15	0.192545	2.80E-05	0.133122	0.00395	0.415503	6.44E-21
1.11E-50	0.583903	5.01E-44	0.541916	5.32E-37	0.459927	8.02E-26	0.608908	1.01E-48
5.19E-55	0.422186	1.31E-21	0.430817	1.58E-22	0.297481	5.36E-11	0.516673	3.13E-33
1.16E-17	0.519094	1.40E-33	0.379194	2.04E-17	0.322781	8.75E-13	0.398683	3.05E-19
0.0265	0.221689	1.31E-06	0.290153	1.64E-10	0.273819	1.78E-09	0.28232	5.25E-10
1.88E-05	0.033071	0.47587	0.237563	2.05E-07	0.136585	0.0031	0.209017	5.23E-06
2.95E-26	0.525771	1.49E-34	0.45784	1.42E-25	0.433872	7.38E-23	0.489703	1.55E-29
6.93E-50	0.374158	5.77E-17	0.271172	2.58E-09	0.180273	8.95E-05	0.400796	1.90E-19
1.34E-73	0.412304	1.36E-20	0.436211	4.09E-23	0.326141	4.91E-13	0.616562	3.04E-50
3.79E-34	0.260337	1.13E-08	0.328834	3.08E-13	0.219434	1.69E-06	0.513484	8.91E-33
1.84E-17	0.22822	6.21E-07	0.228693	5.88E-07	0.142649	0.002	0.312886	4.59E-12
1.64E-27	0.133299	0.0039	0.348832	8.27E-15	0.178743	0.0001	0.337597	6.52E-14
1.08E-18	0.440367	1.42E-23	0.468986	6.49E-27	0.453028	5.17E-25	0.424847	6.86E-22
1.67E-53	0.38394	7.51E-18	0.189974	3.60E-05	0.214519	2.90E-06	0.496625	1.87E-30
7.86E-23	0.118478	0.01039	0.183186	6.84E-05	0.070345	0.12902	0.304224	1.86E-11
9.11E-38	0.471663	3.04E-27	0.413981	9.21E-21	0.402505	1.29E-19	0.43425	6.71E-23
1.07E-24	0.136851	0.00304	0.151335	0.00104	0.093201	0.04411	0.251802	3.47E-08
1.28E-23	0.416808	4.73E-21	0.348183	9.34E-15	0.356596	1.89E-15	0.409484	2.62E-20
8.29E-40	0.38687	4.02E-18	0.402566	1.28E-19	0.304414	1.81E-11	0.524623	2.20E-34
9.34E-21	0.307728	1.06E-11	0.320276	1.34E-12	0.258076	1.53E-08	0.45674	1.91E-25
1.85E-10	0.354872	2.63E-15	0.166054	0.00031	0.268117	3.94E-09	0.294669	8.27E-11
1.06E-09	0.318675	1.75E-12	0.376112	3.86E-17	0.397976	3.57E-19	0.430185	1.85E-22
1.70E-33	0.528457	5.96E-35	0.504072	1.83E-31	0.510931	2.04E-32	0.600086	5.11E-47
1.07E-07	0.339824	4.36E-14	0.434104	6.96E-23	0.465643	1.66E-26	0.468966	6.53E-27
6.84E-12	0.216375	2.37E-06	0.224543	9.48E-07	0.213286	3.31E-06	0.188457	4.16E-05
7.87E-13	-0.41671	4.84E-21	-0.34849	8.82E-15	-0.34608	1.38E-14	-0.35509	2.53E-15

1.54E-29	0.305435	1.53E-11	0.395117	6.71E-19	0.267357	4.38E-09	0.50099	4.83E-31
2.11E-23	0.581915	1.14E-43	0.420155	2.13E-21	0.373597	6.47E-17	0.381009	1.39E-17
4.72E-30	0.281613	5.82E-10	0.35429	2.94E-15	0.259011	1.35E-08	0.406473	5.25E-20
2.33E-11	0.413512	1.03E-20	0.359487	1.08E-15	0.287932	2.29E-10	0.382603	9.96E-18
3.31E-58	0.400379	2.09E-19	0.470389	4.37E-27	0.334635	1.11E-13	0.574545	2.26E-42
3.74E-27	0.343287	2.32E-14	0.294326	8.72E-11	0.258538	1.44E-08	0.493429	5.00E-30
1.76E-36	0.441477	1.07E-23	0.42565	5.64E-22	0.320112	1.38E-12	0.486187	4.44E-29
8.94E-50	0.575155	1.77E-42	0.558604	1.13E-39	0.504351	1.68E-31	0.611552	3.05E-49
1.24E-35	0.668998	6.65E-62	0.533247	1.14E-35	0.530195	3.28E-35	0.588664	6.87E-45
6.09E-16	0.313644	4.05E-12	0.363943	4.51E-16	0.284271	3.94E-10	0.270441	2.86E-09
1.16E-24	0.276542	1.21E-09	0.255144	2.25E-08	0.174171	0.00016	0.430073	1.90E-22
7.15E-08	0.232304	3.85E-07	0.359516	1.07E-15	0.370427	1.23E-16	0.32626	4.81E-13
2.14E-74	0.430899	1.55E-22	0.352786	3.92E-15	0.236351	2.38E-07	0.524199	2.54E-34
2.75E-09	-0.10531	0.02285	-0.16969	0.00023	-0.25557	2.13E-08	-0.27683	1.16E-09
2.28E-57	0.506383	8.79E-32	0.519138	1.38E-33	0.435467	4.94E-23	0.582505	8.91E-44
2.46E-31	0.283786	4.24E-10	0.381831	1.17E-17	0.235255	2.71E-07	0.545794	1.31E-37
1.25E-52	0.457736	1.46E-25	0.440577	1.35E-23	0.371677	9.57E-17	0.583905	5.00E-44
1.18E-30	0.501624	3.96E-31	0.458686	1.12E-25	0.408697	3.15E-20	0.584555	3.82E-44
2.68E-12	0.29414	8.97E-11	0.290829	1.48E-10	0.215363	2.64E-06	0.356205	2.04E-15
2.61E-18	0.393855	8.86E-19	0.42532	6.11E-22	0.382309	1.06E-17	0.370472	1.22E-16
2.39E-26	0.467166	1.08E-26	0.473139	2.00E-27	0.485195	5.97E-29	0.577573	6.67E-43
4.68E-10	0.122907	0.00784	0.286259	2.94E-10	0.200616	1.25E-05	0.227834	6.49E-07
1.84E-34	0.364563	3.99E-16	0.316589	2.48E-12	0.297227	5.58E-11	0.574485	2.31E-42
7.54E-72	0.517418	2.45E-33	0.525067	1.89E-34	0.447934	2.00E-24	0.655163	1.34E-58
7.66E-30	0.52886	5.19E-35	0.522521	4.47E-34	0.469451	5.69E-27	0.583053	7.11E-44
1.88E-10	0.280293	7.05E-10	0.358946	1.20E-15	0.334337	1.17E-13	0.333256	1.42E-13
1.06E-05	0.318189	1.90E-12	0.147713	0.00137	0.220395	1.51E-06	0.29586	6.89E-11
1.59E-11	0.423368	9.82E-22	0.426761	4.30E-22	0.437991	2.61E-23	0.495218	2.89E-30
3.70E-25	0.266746	4.76E-09	0.151391	0.00103	0.132363	0.00417	0.35564	2.27E-15
1.30E-10	0.240078	1.51E-07	0.256673	1.84E-08	0.051794	0.26399	0.219296	1.71E-06
2.80E-19	0.283602	4.35E-10	0.197142	1.78E-05	0.12377	0.00741	0.439309	1.86E-23
4.12E-71	0.42885	2.57E-22	0.482736	1.24E-28	0.343713	2.14E-14	0.631657	2.27E-53
6.49E-27	0.232623	3.71E-07	0.169359	0.00024	0.055839	0.22844	0.380783	1.46E-17
7.49E-41	0.595198	4.26E-46	0.55938	8.41E-40	0.508612	4.31E-32	0.560377	5.75E-40
1.25E-43	0.291138	1.42E-10	0.340106	4.14E-14	0.241797	1.22E-07	0.477713	5.36E-28
1.54E-35	0.21247	3.62E-06	0.256415	1.90E-08	0.16266	0.00042	0.461816	4.78E-26
2.50E-28	0.327795	3.69E-13	0.33627	8.27E-14	0.224941	9.06E-07	0.391551	1.47E-18
2.50E-06	0.114944	0.01294	0.267171	4.49E-09	0.178435	0.00011	0.21532	2.66E-06
2.58E-47	0.373994	5.96E-17	0.344073	2.00E-14	0.207445	6.18E-06	0.374844	5.01E-17
2.42E-28	0.455106	2.96E-25	0.385791	5.07E-18	0.40498	7.38E-20	0.491832	8.13E-30
3.47E-06	0.422487	1.22E-21	0.321692	1.05E-12	0.29552	7.26E-11	0.286597	2.80E-10
4.86E-17	0.621617	2.85E-51	0.417279	4.23E-21	0.504147	1.79E-31	0.539264	1.37E-36
2.48E-14	0.341815	3.03E-14	0.292914	1.08E-10	0.38079	1.46E-17	0.372295	8.44E-17
5.43E-14	0.385965	4.88E-18	0.323143	8.22E-13	0.398643	3.07E-19	0.417129	4.38E-21
7.03E-43	0.363062	5.36E-16	0.325854	5.16E-13	0.25267	3.10E-08	0.382352	1.05E-17

1.46E-39	0.569149	1.92E-41	0.556732	2.29E-39	0.579652	2.87E-43	0.596885	2.06E-46
1.95E-16	-0.00445	0.92355	-0.04361	0.34709	0.074243	0.10909	-0.24524	7.98E-08
5.34E-11	0.096106	0.03788	0.176151	0.00013	0.126059	0.00638	0.312489	4.89E-12
8.23E-25	0.207647	6.05E-06	0.271203	2.57E-09	0.186866	4.84E-05	0.446177	3.16E-24
1.61E-54	0.482854	1.19E-28	0.412738	1.23E-20	0.281178	6.20E-10	0.4579	1.39E-25
8.49E-20	0.611026	3.87E-49	0.388377	2.91E-18	0.399861	2.34E-19	0.43575	4.60E-23
2.78E-05	-0.30599	1.40E-11	-0.26785	4.09E-09	-0.35403	3.09E-15	-0.07521	0.10453
2.47E-38	0.38189	1.16E-17	0.275298	1.44E-09	0.156322	0.0007	0.428497	2.81E-22
1.04E-23	-0.2373	2.12E-07	-0.28275	4.93E-10	-0.30988	7.49E-12	-0.43689	3.45E-23
6.37E-60	0.36876	1.73E-16	0.380156	1.67E-17	0.294687	8.25E-11	0.620882	4.03E-51
8.52E-31	0.38467	6.43E-18	0.293261	1.03E-10	0.31068	6.58E-12	0.517484	2.40E-33
5.91E-18	0.410529	2.06E-20	0.338223	5.82E-14	0.330116	2.46E-13	0.282802	4.89E-10
9.34E-32	0.140699	0.00231	0.31263	4.78E-12	0.135209	0.00342	0.421092	1.70E-21
1.23E-18	0.065608	0.15691	0.211026	4.23E-06	0.040767	0.37941	0.225654	8.35E-07
9.71E-51	0.454257	3.72E-25	0.408975	2.95E-20	0.392913	1.09E-18	0.646867	1.06E-56
1.09E-20	0.276641	1.19E-09	0.370232	1.28E-16	0.261336	9.91E-09	0.408954	2.97E-20
7.78E-22	0.289444	1.83E-10	0.291334	1.37E-10	0.240861	1.37E-07	0.387848	3.26E-18
6.97E-36	0.363082	5.34E-16	0.254201	2.54E-08	0.218852	1.80E-06	0.40896	2.96E-20
2.18E-58	0.446038	3.28E-24	0.34539	1.57E-14	0.251062	3.81E-08	0.435894	4.44E-23
2.02E-13	0.238848	1.76E-07	0.342298	2.78E-14	0.295436	7.35E-11	0.4755	1.02E-27
5.42E-63	0.35632	1.99E-15	0.464889	2.04E-26	0.336878	7.42E-14	0.59205	1.64E-45
2.38E-19	0.400064	2.24E-19	0.450145	1.11E-24	0.352934	3.81E-15	0.445039	4.26E-24
3.52E-11	0.289759	1.74E-10	0.285094	3.49E-10	0.20036	1.29E-05	0.260642	1.09E-08
4.26E-39	0.220425	1.51E-06	0.17322	0.00017	0.046411	0.31692	0.333378	1.39E-13
5.71E-32	0.219393	1.69E-06	0.210544	4.45E-06	0.110222	0.01718	0.31677	2.41E-12
3.46E-31	0.586418	1.76E-44	0.491305	9.53E-30	0.44756	2.20E-24	0.449951	1.17E-24
2.16E-44	0.476097	8.55E-28	0.339309	4.79E-14	0.332276	1.68E-13	0.488653	2.12E-29
4.52E-24	0.299855	3.71E-11	0.137685	0.00287	0.076917	0.09688	0.378497	2.35E-17
7.21E-44	0.585728	2.35E-44	0.480136	2.65E-28	0.384118	7.23E-18	0.496399	2.01E-30
8.47E-32	0.177089	0.00012	0.221487	1.34E-06	0.113371	0.01423	0.344322	1.91E-14
5.34E-30	0.24373	9.63E-08	0.292733	1.11E-10	0.236687	2.28E-07	0.451354	8.08E-25
3.75E-36	-0.30962	7.81E-12	-0.3277	3.75E-13	-0.19192	2.98E-05	-0.42474	7.04E-22
2.87E-42	0.478436	4.35E-28	0.579215	3.43E-43	0.428147	3.06E-22	0.569016	2.03E-41
0.00057	-0.07474	0.10672	-0.20929	5.08E-06	-0.24729	6.17E-08	-0.17214	0.00019
7.07E-63	0.5454	1.51E-37	0.52866	5.56E-35	0.445733	3.55E-24	0.620192	5.58E-51
8.17E-45	0.280344	7.00E-10	0.222314	1.22E-06	0.171263	0.0002	0.444319	5.13E-24
0.248	0.091086	0.04916	0.229303	5.47E-07	0.274796	1.55E-09	0.231851	4.06E-07
3.38E-35	0.477398	5.87E-28	0.463007	3.44E-26	0.463222	3.24E-26	0.524719	2.13E-34
2.67E-22	0.500752	5.20E-31	0.471226	3.45E-27	0.415348	6.68E-21	0.566169	6.17E-41
2.72E-22	0.208478	5.54E-06	0.303496	2.09E-11	0.193527	2.54E-05	0.320936	1.20E-12
2.10E-33	0.237162	2.15E-07	0.277883	9.98E-10	0.178669	0.0001	0.331444	1.95E-13
2.97E-27	-0.23194	4.02E-07	-0.16204	0.00044	-0.05921	0.20151	-0.35638	1.97E-15
2.45E-17	0.534154	8.30E-36	0.348148	9.40E-15	0.381587	1.23E-17	0.446611	2.82E-24
1.20E-25	0.471865	2.87E-27	0.356152	2.06E-15	0.309526	7.94E-12	0.397659	3.83E-19
8.02E-35	0.537822	2.28E-36	0.482182	1.45E-28	0.483925	8.69E-29	0.54831	5.24E-38

3.89E-27	0.237676	2.02E-07	0.109036	0.01842	0.067049	0.14799	0.346965	1.17E-14
5.49E-28	0.465987	1.50E-26	0.279771	7.60E-10	0.215846	2.51E-06	0.452718	5.62E-25
3.19E-63	0.576067	1.23E-42	0.429665	2.10E-22	0.430177	1.85E-22	0.687211	1.56E-66
3.81E-10	0.559697	7.45E-40	0.516947	2.86E-33	0.441388	1.09E-23	0.3904	1.88E-18
3.17E-28	0.517806	2.15E-33	0.409582	2.57E-20	0.298067	4.90E-11	0.351109	5.39E-15
5.09E-22	0.45983	8.23E-26	0.307282	1.14E-11	0.304512	1.78E-11	0.376251	3.75E-17
1.99E-06	0.346376	1.31E-14	0.334648	1.11E-13	0.394217	8.18E-19	0.332017	1.76E-13
8.50E-06	0.319553	1.51E-12	0.198224	1.60E-05	0.121881	0.00837	0.20755	6.11E-06
4.84E-05	0.397543	3.93E-19	0.242655	1.10E-07	0.214093	3.04E-06	0.2334	3.38E-07
1.34E-19	0.313762	3.97E-12	0.434019	7.11E-23	0.33601	8.67E-14	0.490137	1.36E-29
1.16E-22	0.42636	4.74E-22	0.284827	3.63E-10	0.235019	2.79E-07	0.366102	2.94E-16
1.02E-61	0.303322	2.15E-11	0.238151	1.91E-07	0.123088	0.00775	0.451876	7.04E-25
9.97E-09	0.280453	6.89E-10	0.157142	0.00065	0.158374	0.00059	0.342247	2.80E-14
9.00E-06	0.297506	5.34E-11	0.200516	1.27E-05	0.243499	9.91E-08	0.403952	9.32E-20
4.14E-41	0.383432	8.36E-18	0.23016	4.95E-07	0.224336	9.71E-07	0.397661	3.82E-19
4.12E-19	0.174006	0.00016	0.210402	4.52E-06	0.083898	0.07008	0.292068	1.23E-10
9.93E-50	0.472582	2.34E-27	0.475883	9.10E-28	0.390746	1.74E-18	0.500607	5.44E-31
1.27E-38	0.605488	4.70E-48	0.487444	3.05E-29	0.456111	2.26E-25	0.488949	1.94E-29
2.32E-13	0.280757	6.59E-10	0.346452	1.29E-14	0.355621	2.28E-15	0.463398	3.09E-26
3.85E-28	0.249662	4.56E-08	0.154608	0.0008	0.135753	0.00329	0.339157	4.92E-14
7.48E-14	0.36119	7.75E-16	0.364368	4.14E-16	0.314856	3.31E-12	0.291351	1.37E-10
6.03E-49	0.419736	2.36E-21	0.423469	9.59E-22	0.336212	8.36E-14	0.523507	3.21E-34
5.84E-21	0.217246	2.15E-06	0.150964	0.00107	0.097161	0.03582	0.222898	1.14E-06
6.21E-28	0.165995	0.00032	0.292589	1.14E-10	0.104904	0.02338	0.398771	2.99E-19
4.17E-32	0.668477	8.92E-62	0.482293	1.41E-28	0.552345	1.18E-38	0.491128	1.01E-29
1.93E-15	0.377322	3.00E-17	0.363049	5.38E-16	0.259771	1.22E-08	0.40271	1.23E-19
3.39E-13	-0.03352	0.46985	-0.09381	0.04274	-0.08344	0.07163	-0.41176	1.55E-20
1.21E-63	0.516621	3.18E-33	0.519015	1.44E-33	0.390022	2.04E-18	0.64113	2.01E-55
3.16E-10	0.248263	5.45E-08	0.190552	3.40E-05	0.135743	0.00329	0.369503	1.49E-16
1.79E-27	0.416648	4.91E-21	0.408727	3.13E-20	0.265625	5.55E-09	0.451642	7.49E-25
1.93E-56	0.508952	3.86E-32	0.496588	1.90E-30	0.449463	1.33E-24	0.62407	8.90E-52
2.91E-63	0.322805	8.71E-13	0.476683	7.22E-28	0.342551	2.65E-14	0.614977	6.34E-50
7.00E-45	0.683976	1.10E-65	0.589995	3.92E-45	0.58737	1.18E-44	0.604354	7.78E-48
2.82E-19	0.627315	1.88E-52	0.51202	1.43E-32	0.52829	6.31E-35	0.406845	4.82E-20
1.78E-68	0.311047	6.20E-12	0.350313	6.26E-15	0.221988	1.27E-06	0.486643	3.88E-29
1.58E-07	0.252918	3.00E-08	0.294166	8.93E-11	0.243815	9.53E-08	0.401278	1.70E-19
1.24E-50	0.509038	3.76E-32	0.438254	2.44E-23	0.362258	6.29E-16	0.507637	5.89E-32
1.03E-57	0.256452	1.89E-08	0.283817	4.22E-10	0.134409	0.00361	0.560691	5.10E-40
4.07E-35	0.366085	2.95E-16	0.24029	1.47E-07	0.223906	1.02E-06	0.449391	1.36E-24
9.86E-23	0.1764	0.00013	0.122716	0.00793	0.050892	0.2724	0.349685	7.05E-15
3.05E-40	0.271587	2.43E-09	0.235942	2.49E-07	0.181961	7.66E-05	0.411001	1.85E-20
5.45E-18	0.030679	0.50839	0.122371	0.00811	0.028204	0.5432	0.27258	2.12E-09
7.57E-19	0.137061	0.003	0.173079	0.00017	0.08443	0.06832	0.334492	1.14E-13
8.16E-13	0.326329	4.76E-13	0.315501	2.98E-12	0.28761	2.41E-10	0.371196	1.05E-16
2.46E-65	0.364865	3.76E-16	0.390262	1.94E-18	0.236307	2.39E-07	0.486077	4.59E-29

4.15E-28	0.417481	4.03E-21	0.431207	1.44E-22	0.42595	5.24E-22	0.490745	1.13E-29
2.67E-18	0.00064	0.989	0.060583	0.19125	0.036301	0.43384	0.236006	2.48E-07
6.40E-31	0.4386	2.23E-23	0.387924	3.21E-18	0.381027	1.39E-17	0.432777	9.71E-23
2.56E-11	0.199423	1.41E-05	0.121519	0.00857	0.152649	0.00094	0.147078	0.00144
5.80E-43	0.567086	4.31E-41	0.508398	4.62E-32	0.457576	1.52E-25	0.655179	1.33E-58
2.65E-49	0.575432	1.58E-42	0.49145	9.12E-30	0.460048	7.76E-26	0.64197	1.31E-55
9.64E-18	0.216944	2.22E-06	0.2357	2.57E-07	0.170925	0.00021	0.354726	2.71E-15
5.37E-62	0.207515	6.13E-06	0.185636	5.44E-05	0.040568	0.38174	0.456653	1.95E-25
7.80E-64	0.527	9.81E-35	0.487621	2.89E-29	0.421266	1.63E-21	0.663383	1.53E-60
1.62E-57	0.457882	1.40E-25	0.413389	1.06E-20	0.31959	1.50E-12	0.605882	3.94E-48
2.63E-09	0.411968	1.47E-20	0.363375	5.04E-16	0.383909	7.56E-18	0.358449	1.32E-15
2.02E-65	0.444476	4.93E-24	0.378326	2.44E-17	0.367214	2.35E-16	0.625643	4.19E-52
1.08E-35	0.532674	1.39E-35	0.380635	1.51E-17	0.409701	2.50E-20	0.578716	4.20E-43
5.15E-32	0.634332	6.08E-54	0.561852	3.27E-40	0.540063	1.03E-36	0.532554	1.45E-35
5.48E-09	0.42792	3.24E-22	0.452669	5.70E-25	0.40971	2.49E-20	0.487744	2.79E-29
4.50E-56	0.415381	6.63E-21	0.364073	4.39E-16	0.326403	4.70E-13	0.557382	1.79E-39
9.99E-10	0.187162	4.71E-05	0.29134	1.37E-10	0.269372	3.31E-09	0.306513	1.29E-11
4.16E-47	0.529188	4.64E-35	0.421949	1.38E-21	0.376808	3.34E-17	0.555099	4.23E-39
1.47E-20	0.471847	2.89E-27	0.369721	1.42E-16	0.378673	2.27E-17	0.418956	2.84E-21
7.90E-38	0.314101	3.75E-12	0.291264	1.39E-10	0.164895	0.00035	0.427874	3.27E-22
3.06E-45	0.209768	4.83E-06	0.147563	0.00138	0.066616	0.15063	0.400973	1.83E-19
1.98E-47	0.292511	1.15E-10	0.298995	4.24E-11	0.232623	3.71E-07	0.526827	1.04E-34
2.40E-13	0.375397	4.47E-17	0.38905	2.52E-18	0.323741	7.42E-13	0.359726	1.03E-15
5.09E-48	0.522727	4.17E-34	0.54946	3.43E-38	0.477114	6.38E-28	0.632869	1.25E-53
6.80E-20	0.356448	1.95E-15	0.330223	2.42E-13	0.346055	1.39E-14	0.475924	8.99E-28
5.45E-37	0.455356	2.77E-25	0.461201	5.66E-26	0.398529	3.15E-19	0.4493	1.39E-24
9.24E-37	0.409841	2.42E-20	0.424068	8.29E-22	0.371242	1.05E-16	0.535497	5.18E-36
3.79E-46	0.649393	2.84E-57	0.50509	1.33E-31	0.493769	4.50E-30	0.603356	1.21E-47
6.07E-13	0.410693	1.98E-20	0.365151	3.55E-16	0.380017	1.71E-17	0.393434	9.71E-19
4.17E-22	0.427655	3.45E-22	0.41628	5.36E-21	0.308647	9.15E-12	0.311264	5.98E-12
4.19E-11	0.052613	0.25649	0.18895	3.97E-05	0.120596	0.00909	0.194102	2.40E-05
1.23E-10	0.085723	0.06418	0.175853	0.00013	0.098922	0.03258	0.188103	4.30E-05
5.87E-35	0.124791	0.00693	0.177715	0.00011	0.085028	0.06638	0.35099	5.51E-15
2.75E-22	0.279456	7.96E-10	0.353551	3.39E-15	0.308975	8.68E-12	0.439078	1.98E-23
3.15E-41	0.318134	1.92E-12	0.417233	4.28E-21	0.309598	7.85E-12	0.504463	1.62E-31
8.07E-16	0.129788	0.00497	0.18098	8.39E-05	0.065606	0.15693	0.278628	8.97E-10
3.03E-12	0.524605	2.21E-34	0.459106	1.00E-25	0.471401	3.28E-27	0.492151	7.38E-30
4.37E-30	0.510699	2.20E-32	0.453919	4.08E-25	0.431821	1.23E-22	0.591792	1.83E-45
9.01E-13	0.37251	8.08E-17	0.381249	1.32E-17	0.322536	9.12E-13	0.423076	1.05E-21
7.74E-05	0.367086	2.41E-16	0.378111	2.55E-17	0.43977	1.66E-23	0.201779	1.11E-05
7.77E-32	0.262967	7.96E-09	0.187187	4.69E-05	0.050546	0.27568	0.364376	4.14E-16
7.57E-30	0.518107	1.95E-33	0.479092	3.59E-28	0.407585	4.07E-20	0.428914	2.53E-22
1.01E-22	-0.06074	0.19012	0.004583	0.92131	-0.12322	0.00768	0.236546	2.32E-07
1.25E-11	-0.04877	0.29294	-0.15041	0.00111	-0.18235	7.39E-05	-0.35506	2.54E-15
3.79E-57	0.502373	3.13E-31	0.566115	6.30E-41	0.475779	9.37E-28	0.655323	1.23E-58



5.52E-30	0.21711	2.18E-06	0.244297	8.97E-08	0.139494	0.00252	0.296062	6.68E-11
5.83E-27	0.441024	1.20E-23	0.284784	3.66E-10	0.264818	6.19E-09	0.371179	1.06E-16
5.13E-31	0.332556	1.60E-13	0.203669	9.16E-06	0.222719	1.17E-06	0.366107	2.93E-16
1.36E-63	0.374722	5.14E-17	0.385803	5.05E-18	0.226499	7.58E-07	0.603873	9.64E-48
1.07E-11	-0.22998	5.06E-07	-0.20712	6.39E-06	-0.17267	0.00018	-0.20794	5.87E-06
1.13E-25	0.22941	5.41E-07	0.153853	0.00085	0.033469	0.47057	0.298765	4.39E-11
1.17E-28	0.323378	7.90E-13	0.332541	1.61E-13	0.327003	4.23E-13	0.538725	1.66E-36
3.26E-20	0.451784	7.21E-25	0.396362	5.10E-19	0.360996	8.05E-16	0.379296	1.99E-17
3.43E-28	0.59697	1.99E-46	0.466724	1.22E-26	0.405294	6.87E-20	0.426555	4.52E-22
1.23E-34	0.349392	7.45E-15	0.381475	1.26E-17	0.293815	9.43E-11	0.464564	2.24E-26
7.93E-06	0.401776	1.52E-19	0.427004	4.05E-22	0.410539	2.06E-20	0.261023	1.03E-08
2.59E-37	0.543835	2.67E-37	0.522735	4.16E-34	0.47947	3.22E-28	0.547394	7.32E-38
2.53E-32	0.422503	1.21E-21	0.464335	2.38E-26	0.397897	3.63E-19	0.558047	1.39E-39
2.60E-32	0.450996	8.89E-25	0.469982	4.90E-27	0.399165	2.74E-19	0.682429	2.76E-65
1.91E-20	0.379207	2.03E-17	0.314597	3.46E-12	0.340554	3.82E-14	0.473746	1.68E-27
3.34E-25	0.493357	5.11E-30	0.269421	3.29E-09	0.286077	3.02E-10	0.462947	3.50E-26
1.07E-40	0.455962	2.35E-25	0.464467	2.30E-26	0.431493	1.34E-22	0.539002	1.50E-36
2.56E-58	0.433633	7.84E-23	0.347884	9.88E-15	0.299743	3.77E-11	0.470466	4.27E-27
7.25E-21	0.647585	7.29E-57	0.552663	1.05E-38	0.528143	6.64E-35	0.448712	1.63E-24
3.12E-14	0.105447	0.02267	0.184728	5.92E-05	0.048025	0.30037	0.255065	2.27E-08
4.23E-28	0.463548	2.96E-26	0.451473	7.83E-25	0.485801	4.98E-29	0.546901	8.77E-38
6.08E-17	0.173881	0.00016	0.203242	9.57E-06	0.144121	0.00179	0.2904	1.58E-10
9.82E-28	0.373972	5.99E-17	0.328851	3.07E-13	0.265368	5.74E-09	0.411739	1.56E-20
1.12E-14	0.293556	9.81E-11	0.402076	1.42E-19	0.35495	2.60E-15	0.356745	1.84E-15
1.22E-17	0.338826	5.22E-14	0.282367	5.21E-10	0.201256	1.17E-05	0.491308	9.53E-30
6.87E-53	0.277535	1.05E-09	0.171816	0.00019	0.06417	0.16622	0.449252	1.41E-24
8.88E-23	-0.5581	1.37E-39	-0.45066	9.73E-25	-0.49812	1.18E-30	-0.56575	7.26E-41
2.59E-23	0.167228	0.00028	0.147696	0.00137	0.081958	0.07683	0.404013	9.19E-20
3.26E-06	-0.09709	0.03595	-0.1912	3.19E-05	-0.20677	6.63E-06	-0.15065	0.00109
2.86E-11	0.494479	3.62E-30	0.243217	1.03E-07	0.255846	2.05E-08	0.29225	1.20E-10
4.61E-15	0.303316	2.15E-11	0.203643	9.18E-06	0.201936	1.09E-05	0.253792	2.68E-08
1.41E-05	0.282008	5.50E-10	0.351561	4.95E-15	0.406949	4.70E-20	0.285856	3.12E-10
9.89E-40	0.591779	1.84E-45	0.50588	1.03E-31	0.495278	2.84E-30	0.531257	2.27E-35
6.08E-06	0.31036	6.93E-12	0.190169	3.53E-05	0.315805	2.83E-12	0.178557	0.0001
6.25E-26	0.232568	3.73E-07	0.218811	1.81E-06	0.197261	1.76E-05	0.460068	7.71E-26
1.21E-09	0.459854	8.18E-26	0.302021	2.64E-11	0.307483	1.10E-11	0.275967	1.31E-09
2.03E-42	0.467049	1.12E-26	0.487061	3.42E-29	0.442122	9.06E-24	0.532084	1.71E-35
3.97E-07	0.074704	0.1069	0.111259	0.01616	0.05555	0.23086	0.111642	0.01579
1.66E-22	0.077187	0.09571	0.096378	0.03734	-0.04389	0.34396	0.33396	1.25E-13
5.36E-25	0.389246	2.41E-18	0.38432	6.93E-18	0.362459	6.04E-16	0.438642	2.21E-23
2.40E-39	0.345712	1.48E-14	0.358631	1.28E-15	0.181704	7.85E-05	0.429833	2.02E-22
4.06E-06	0.360425	9.00E-16	0.352432	4.20E-15	0.2934	1.00E-10	0.324281	6.77E-13
1.97E-76	0.521025	7.38E-34	0.366445	2.74E-16	0.319772	1.46E-12	0.620776	4.24E-51
1.06E-35	0.29773	5.16E-11	0.395502	6.17E-19	0.309458	8.03E-12	0.457499	1.55E-25
5.26E-19	0.29635	6.39E-11	0.425887	5.32E-22	0.326759	4.42E-13	0.339064	5.00E-14

5.81E-71	0.401111	1.77E-19	0.381687	1.21E-17	0.304562	1.76E-11	0.544513	2.09E-37
1.38E-40	0.436995	3.36E-23	0.54009	1.02E-36	0.460957	6.05E-26	0.559007	9.68E-40
2.13E-59	0.484236	7.93E-29	0.509419	3.33E-32	0.463475	3.02E-26	0.604677	6.74E-48
1.63E-64	0.287089	2.60E-10	0.373076	7.20E-17	0.288864	1.99E-10	0.535032	6.10E-36
2.12E-19	0.417314	4.19E-21	0.307805	1.05E-11	0.321268	1.13E-12	0.443421	6.48E-24
1.30E-80	0.418094	3.48E-21	0.42879	2.61E-22	0.268429	3.78E-09	0.529694	3.90E-35
2.40E-09	0.551132	1.85E-38	0.502042	3.47E-31	0.442744	7.71E-24	0.427152	3.91E-22
5.85E-05	0.262443	8.54E-09	0.387537	3.49E-18	0.331814	1.83E-13	0.317535	2.12E-12
1.69E-10	0.17699	0.00012	0.144474	0.00175	0.179282	9.80E-05	0.341653	3.12E-14
0.00633	0.272072	2.27E-09	0.292389	1.17E-10	0.380393	1.59E-17	0.218283	1.92E-06
9.20E-20	0.316995	2.32E-12	0.373373	6.77E-17	0.356483	1.93E-15	0.401341	1.68E-19
2.93E-17	0.394743	7.29E-19	0.44414	5.37E-24	0.387105	3.83E-18	0.39615	5.35E-19
8.04E-09	0.284638	3.74E-10	0.248435	5.33E-08	0.188276	4.23E-05	0.332223	1.70E-13
1.45E-50	0.586979	1.39E-44	0.587328	1.20E-44	0.508326	4.72E-32	0.566441	5.55E-41
3.37E-39	0.329068	2.96E-13	0.333135	1.45E-13	0.258918	1.37E-08	0.448485	1.73E-24
7.39E-49	0.299185	4.11E-11	0.325181	5.80E-13	0.247143	6.28E-08	0.500603	5.45E-31
1.44E-14	0.603936	9.37E-48	0.585973	2.12E-44	0.59527	4.14E-46	0.526046	1.36E-34
7.30E-46	0.391184	1.59E-18	0.236372	2.37E-07	0.183974	6.35E-05	0.483804	9.01E-29
2.70E-52	0.381717	1.20E-17	0.41895	2.84E-21	0.358628	1.28E-15	0.56152	3.71E-40
5.02E-61	0.431095	1.48E-22	0.37654	3.53E-17	0.276025	1.30E-09	0.593129	1.04E-45
8.65E-10	0.45303	5.17E-25	0.466351	1.36E-26	0.496329	2.05E-30	0.393093	1.05E-18
6.91E-40	0.502193	3.31E-31	0.548096	5.67E-38	0.446695	2.76E-24	0.579596	2.93E-43
3.61E-35	0.378315	2.45E-17	0.404948	7.43E-20	0.334238	1.19E-13	0.582642	8.43E-44
4.11E-69	0.510564	2.30E-32	0.500802	5.12E-31	0.385887	4.96E-18	0.596815	2.12E-46
8.11E-23	0.27487	1.53E-09	0.349363	7.49E-15	0.283513	4.41E-10	0.436588	3.72E-23
7.64E-34	0.447734	2.10E-24	0.418341	3.29E-21	0.430423	1.74E-22	0.601127	3.24E-47
3.41E-32	0.543402	3.12E-37	0.35886	1.22E-15	0.324397	6.63E-13	0.496134	2.18E-30
4.00E-36	0.645535	2.11E-56	0.576992	8.44E-43	0.562586	2.47E-40	0.550674	2.20E-38
7.82E-41	0.482776	1.22E-28	0.45432	3.66E-25	0.411914	1.49E-20	0.570577	1.09E-41
6.76E-56	0.276326	1.25E-09	0.301323	2.94E-11	0.21953	1.67E-06	0.568139	2.86E-41
1.16E-59	0.570579	1.09E-41	0.346581	1.26E-14	0.312055	5.26E-12	0.475952	8.92E-28
5.55E-32	0.492259	7.14E-30	0.434662	6.05E-23	0.332232	1.70E-13	0.462007	4.53E-26
1.64E-19	0.494779	3.31E-30	0.435639	4.73E-23	0.468763	6.91E-27	0.640059	3.46E-55
8.09E-07	0.104467	0.02397	0.005866	0.89939	0.039239	0.39755	-0.23128	4.34E-07
1.15E-38	0.171641	0.00019	0.202717	1.01E-05	0.057735	0.213	0.360733	8.47E-16
8.07E-19	0.263181	7.73E-09	0.262174	8.85E-09	0.204193	8.68E-06	0.308752	9.00E-12
9.26E-40	0.369894	1.37E-16	0.303836	1.98E-11	0.291588	1.32E-10	0.497868	1.28E-30
3.46E-10	-0.08978	0.0525	-0.12809	0.00557	-0.12359	0.0075	-0.18514	5.70E-05
1.24E-05	-0.22427	9.78E-07	-0.29705	5.73E-11	-0.26388	7.03E-09	-0.32731	4.02E-13
6.51E-12	0.5542	5.93E-39	0.503977	1.89E-31	0.468072	8.39E-27	0.416936	4.59E-21
2.00E-32	0.450786	9.40E-25	0.368965	1.66E-16	0.351709	4.81E-15	0.455731	2.51E-25
2.79E-36	0.373452	6.66E-17	0.392534	1.18E-18	0.291163	1.41E-10	0.530009	3.50E-35
0.12354	-0.15223	0.00097	-0.17229	0.00018	-0.21846	1.88E-06	-0.27007	3.01E-09
2.23E-15	0.512027	1.43E-32	0.435222	5.26E-23	0.460486	6.88E-26	0.370843	1.13E-16
1.16E-14	0.309046	8.58E-12	0.328474	3.28E-13	0.328507	3.26E-13	0.412669	1.25E-20

2.80E-54	0.674944	2.23E-63	0.566009	6.56E-41	0.52264	4.29E-34	0.654146	2.30E-58
8.81E-64	0.410368	2.14E-20	0.457192	1.69E-25	0.350015	6.63E-15	0.564909	1.01E-40
0.0006	0.006405	0.8902	-0.1025	0.02676	-0.1208	0.00897	-0.04316	0.35201
3.81E-41	0.405778	6.15E-20	0.396334	5.13E-19	0.320876	1.21E-12	0.588963	6.06E-45
1.12E-23	0.46216	4.34E-26	0.452813	5.48E-25	0.374884	4.97E-17	0.532802	1.33E-35
2.34E-10	-0.21817	1.94E-06	-0.18033	8.91E-05	-0.20663	6.73E-06	-0.25534	2.19E-08
0.00031	0.123719	0.00743	0.197586	1.70E-05	0.168914	0.00025	0.132639	0.00409
2.16E-38	0.510647	2.24E-32	0.478679	4.05E-28	0.395499	6.17E-19	0.515027	5.38E-33
1.09E-24	0.376278	3.73E-17	0.416283	5.35E-21	0.360207	9.39E-16	0.427176	3.88E-22
8.06E-49	0.345746	1.47E-14	0.39872	3.02E-19	0.354327	2.92E-15	0.542165	4.86E-37
3.75E-14	0.057276	0.21666	0.091905	0.04715	0.047135	0.30943	0.273255	1.93E-09
3.78E-38	0.210239	4.60E-06	0.201985	1.09E-05	0.151244	0.00104	0.437912	2.66E-23
4.47E-45	0.450068	1.14E-24	0.444999	4.30E-24	0.383055	9.06E-18	0.518276	1.84E-33
7.02E-43	0.35348	3.44E-15	0.371354	1.02E-16	0.305727	1.46E-11	0.527739	7.62E-35
7.90E-08	0.245602	7.62E-08	0.280533	6.81E-10	0.371103	1.07E-16	0.396486	4.96E-19
4.44E-55	0.414867	7.48E-21	0.351913	4.63E-15	0.234254	3.05E-07	0.515673	4.35E-33
1.54E-40	0.688363	7.73E-67	0.560549	5.38E-40	0.557116	1.98E-39	0.668406	9.29E-62
9.98E-15	0.357871	1.48E-15	0.338213	5.83E-14	0.353136	3.67E-15	0.369398	1.52E-16
8.43E-58	0.341503	3.21E-14	0.400747	1.92E-19	0.314516	3.51E-12	0.479516	3.17E-28
3.56E-07	0.228483	6.02E-07	0.308801	8.93E-12	0.232215	3.89E-07	0.147815	0.00136
1.05E-19	0.494105	4.06E-30	0.308297	9.69E-12	0.282621	5.02E-10	0.438726	2.16E-23
9.47E-24	0.519461	1.24E-33	0.429559	2.16E-22	0.389912	2.09E-18	0.52045	8.94E-34
2.24E-15	-0.11119	0.01622	-0.2348	2.86E-07	-0.19465	2.28E-05	-0.22196	1.27E-06
1.02E-22	0.310103	7.23E-12	0.420788	1.83E-21	0.422947	1.09E-21	0.464326	2.39E-26
1.38E-21	0.366718	2.60E-16	0.260486	1.11E-08	0.322199	9.66E-13	0.608243	1.37E-48
5.97E-14	-0.40917	2.82E-20	-0.17587	0.00013	-0.25487	2.33E-08	-0.27037	2.88E-09
8.81E-12	0.211851	3.87E-06	0.060187	0.19417	0.134379	0.00362	0.141095	0.00224
1.70E-61	0.406159	5.64E-20	0.336139	8.47E-14	0.238534	1.82E-07	0.551327	1.72E-38
8.43E-41	0.550174	2.64E-38	0.57931	3.30E-43	0.490527	1.21E-29	0.623526	1.15E-51
6.60E-36	0.529929	3.59E-35	0.484912	6.49E-29	0.464155	2.50E-26	0.536615	3.50E-36
1.72E-29	0.11968	0.00963	0.130215	0.00483	0.025178	0.58732	0.230024	5.03E-07
6.36E-22	0.328187	3.45E-13	0.369144	1.60E-16	0.310586	6.68E-12	0.47491	1.20E-27
2.24E-11	0.598641	9.61E-47	0.370911	1.12E-16	0.464594	2.22E-26	0.261803	9.31E-09
6.70E-60	0.53662	3.49E-36	0.600239	4.78E-47	0.49912	8.65E-31	0.604086	8.77E-48
1.09E-12	0.457855	1.41E-25	0.320322	1.33E-12	0.349739	6.98E-15	0.378174	2.52E-17
7.16E-09	0.190927	3.28E-05	0.262708	8.24E-09	0.219948	1.59E-06	0.26298	7.94E-09
1.96E-05	0.414324	8.50E-21	0.394805	7.19E-19	0.417712	3.82E-21	0.346946	1.18E-14
8.46E-05	0.411637	1.59E-20	0.362566	5.92E-16	0.447464	2.26E-24	0.371753	9.42E-17
3.69E-35	0.262919	8.01E-09	0.198482	1.55E-05	0.21841	1.89E-06	0.379023	2.11E-17
1.20E-16	0.072242	0.11899	0.286128	3.00E-10	0.13175	0.00435	0.236835	2.24E-07
2.55E-07	0.104735	0.0236	0.066174	0.15336	0.033177	0.47446	0.278613	8.99E-10
5.07E-37	0.287082	2.60E-10	0.333925	1.26E-13	0.272374	2.18E-09	0.49711	1.61E-30
5.11E-12	0.203088	9.73E-06	0.193055	2.67E-05	0.179644	9.48E-05	0.350466	6.09E-15
2.95E-17	-0.16568	0.00032	-0.0509	0.27232	-0.09847	0.03339	-0.33636	8.14E-14
0.31786	-0.0723	0.1187	-0.26376	7.14E-09	-0.3344	1.15E-13	-0.1733	0.00017

2.22E-10	0.14023	0.00239	0.135149	0.00343	0.128774	0.00532	0.174174	0.00016
3.15E-21	0.409099	2.87E-20	0.404598	8.05E-20	0.405716	6.24E-20	0.461828	4.76E-26
2.20E-21	0.307762	1.06E-11	0.238895	1.75E-07	0.231907	4.03E-07	0.390724	1.75E-18
1.95E-30	0.458488	1.19E-25	0.427585	3.51E-22	0.32214	9.76E-13	0.557729	1.57E-39
4.17E-16	0.56779	3.28E-41	0.466015	1.49E-26	0.474604	1.31E-27	0.400636	1.97E-19
2.39E-21	0.456137	2.25E-25	0.445618	3.66E-24	0.40685	4.81E-20	0.462982	3.46E-26
0.68758	0.241106	1.33E-07	0.228911	5.73E-07	0.265853	5.38E-09	0.303067	2.24E-11
1.03E-39	0.286804	2.71E-10	0.319921	1.42E-12	0.259376	1.29E-08	0.506197	9.33E-32
2.38E-08	0.333485	1.36E-13	0.209092	5.19E-06	0.295444	7.34E-11	0.421725	1.46E-21
4.63E-59	0.517366	2.49E-33	0.437455	2.99E-23	0.447918	2.00E-24	0.595629	3.54E-46
4.42E-31	0.412228	1.39E-20	0.299924	3.67E-11	0.185919	5.29E-05	0.332815	1.53E-13
1.07E-28	0.444695	4.65E-24	0.400131	2.20E-19	0.387732	3.34E-18	0.540828	7.85E-37
1.72E-52	0.421571	1.52E-21	0.490494	1.22E-29	0.386624	4.24E-18	0.652023	7.11E-58
1.90E-15	0.040185	0.38626	0.20796	5.85E-06	0.010843	0.81523	0.142456	0.00203
5.86E-39	0.465656	1.65E-26	0.284223	3.97E-10	0.266326	5.04E-09	0.511911	1.49E-32
3.02E-23	0.265232	5.85E-09	0.310235	7.07E-12	0.216501	2.33E-06	0.311237	6.01E-12
6.87E-54	0.600393	4.47E-47	0.461229	5.61E-26	0.44357	6.23E-24	0.527568	8.08E-35
0.02166	0.049452	0.28622	0.159351	0.00055	0.145007	0.00168	0.110637	0.01676
3.48E-31	0.131647	0.00438	0.222445	1.20E-06	0.078348	0.0908	0.27861	8.99E-10
1.84E-17	0.363708	4.72E-16	0.347563	1.05E-14	0.371914	9.12E-17	0.416568	5.01E-21
7.48E-21	0.216156	2.42E-06	0.158166	0.0006	0.147183	0.00143	0.302769	2.34E-11
5.86E-14	0.465305	1.82E-26	0.375316	4.55E-17	0.397276	4.17E-19	0.440602	1.34E-23
2.55E-58	0.46316	3.30E-26	0.432081	1.15E-22	0.358821	1.23E-15	0.559578	7.80E-40
0.38979	0.268138	3.93E-09	0.357563	1.57E-15	0.398226	3.37E-19	0.340894	3.59E-14
1.81E-21	0.512701	1.15E-32	0.395219	6.56E-19	0.381199	1.34E-17	0.445735	3.55E-24
9.96E-17	0.434212	6.78E-23	0.396562	4.88E-19	0.2776	1.04E-09	0.41444	8.27E-21
2.27E-45	0.278791	8.76E-10	0.165659	0.00032	0.104718	0.02363	0.432625	1.01E-22
2.43E-17	0.497647	1.37E-30	0.459231	9.70E-26	0.489062	1.88E-29	0.438286	2.42E-23
1.62E-10	0.23026	4.90E-07	0.223056	1.12E-06	0.170908	0.00021	0.161273	0.00047
2.98E-28	0.580514	2.02E-43	0.34568	1.49E-14	0.306628	1.27E-11	0.357394	1.62E-15
8.79E-41	0.464238	2.45E-26	0.474424	1.38E-27	0.422217	1.30E-21	0.505867	1.04E-31
8.21E-22	0.488943	1.95E-29	0.514268	6.90E-33	0.374393	5.50E-17	0.452808	5.49E-25
7.00E-40	0.338989	5.07E-14	0.393669	9.23E-19	0.352325	4.28E-15	0.559957	6.75E-40
1.26E-05	0.450573	9.95E-25	0.268451	3.76E-09	0.322839	8.66E-13	0.282641	5.01E-10
1.83E-25	0.416926	4.60E-21	0.242195	1.16E-07	0.266138	5.17E-09	0.399677	2.44E-19
1.13E-47	0.362414	6.09E-16	0.498135	1.17E-30	0.35809	1.42E-15	0.520703	8.22E-34
1.58E-17	0.377195	3.09E-17	0.321208	1.14E-12	0.328545	3.24E-13	0.465972	1.51E-26
0.0145	0.120724	0.00902	0.119596	0.00969	0.016838	0.71667	-0.07373	0.11156
4.44E-38	0.492541	6.55E-30	0.420667	1.88E-21	0.401063	1.79E-19	0.560696	5.09E-40
2.77E-24	0.417928	3.62E-21	0.475775	9.39E-28	0.495432	2.71E-30	0.511362	1.78E-32
1.23E-21	0.342505	2.67E-14	0.351088	5.41E-15	0.33479	1.08E-13	0.480451	2.42E-28
3.67E-13	0.505922	1.02E-31	0.43536	5.08E-23	0.506767	7.78E-32	0.431639	1.29E-22
0.88196	0.001911	0.96715	-0.12537	0.00667	-0.25908	1.34E-08	-0.21344	3.26E-06
3.11E-27	0.424137	8.15E-22	0.385388	5.52E-18	0.27538	1.43E-09	0.421098	1.70E-21
1.55E-42	0.459606	8.75E-26	0.463618	2.91E-26	0.449353	1.37E-24	0.551938	1.38E-38

4.87E-29	0.321804	1.03E-12	0.15641	0.00069	0.202629	1.02E-05	0.469839	5.10E-27
4.43E-46	0.340207	4.07E-14	0.329537	2.72E-13	0.242194	1.16E-07	0.436487	3.82E-23
1.99E-23	0.49868	9.92E-31	0.453922	4.07E-25	0.411099	1.81E-20	0.449606	1.28E-24
7.21E-45	0.348737	8.42E-15	0.352129	4.44E-15	0.312185	5.14E-12	0.561778	3.36E-40
0.00451	0.334154	1.21E-13	0.390427	1.87E-18	0.347132	1.14E-14	0.349874	6.80E-15
4.41E-57	0.396495	4.95E-19	0.330673	2.23E-13	0.300014	3.61E-11	0.539744	1.16E-36
0.00327	0.261114	1.02E-08	0.21041	4.51E-06	0.184251	6.19E-05	0.259516	1.26E-08
8.47E-60	0.392561	1.18E-18	0.428552	2.77E-22	0.299102	4.17E-11	0.577713	6.31E-43
2.01E-43	0.578472	4.63E-43	0.541578	6.00E-37	0.526983	9.87E-35	0.593481	8.91E-46
6.92E-38	0.179408	9.69E-05	0.254486	2.45E-08	0.120048	0.00941	0.361009	8.03E-16
2.20E-08	0.224615	9.40E-07	0.20186	1.10E-05	0.28773	2.36E-10	0.299298	4.04E-11
1.10E-33	0.40637	5.37E-20	0.364312	4.19E-16	0.245721	7.51E-08	0.443481	6.38E-24
6.94E-27	0.303204	2.19E-11	0.412047	1.45E-20	0.353522	3.41E-15	0.439727	1.68E-23
4.10E-08	-0.49718	1.58E-30	-0.34017	4.09E-14	-0.36975	1.41E-16	-0.41244	1.32E-20
1.06E-13	0.22539	8.60E-07	0.189852	3.64E-05	0.161426	0.00046	0.264357	6.59E-09
4.23E-19	0.469253	6.02E-27	0.419403	2.55E-21	0.489593	1.60E-29	0.458961	1.04E-25
3.12E-19	0.6199	6.40E-51	0.351007	5.50E-15	0.37572	4.18E-17	0.419112	2.73E-21
1.79E-21	0.457621	1.50E-25	0.264072	6.85E-09	0.33067	2.23E-13	0.488303	2.36E-29
1.33E-24	0.244757	8.47E-08	0.256853	1.80E-08	0.136319	0.00316	0.389028	2.53E-18
3.56E-44	0.458639	1.14E-25	0.425015	6.59E-22	0.38992	2.09E-18	0.549258	3.70E-38
5.76E-25	0.143809	0.00184	0.246018	7.24E-08	0.060797	0.18968	0.217534	2.08E-06
1.52E-27	0.326724	4.44E-13	0.411282	1.73E-20	0.348119	9.46E-15	0.50963	3.11E-32
2.50E-21	0.560915	4.68E-40	0.426672	4.39E-22	0.456699	1.93E-25	0.481701	1.67E-28
4.00E-11	0.427911	3.24E-22	0.380598	1.52E-17	0.383219	8.75E-18	0.417805	3.73E-21
6.86E-38	0.459403	9.25E-26	0.499681	7.27E-31	0.418536	3.14E-21	0.547772	6.38E-38
0.84889	0.185981	5.26E-05	0.019409	0.67569	0.038456	0.40704	-0.00239	0.95894
0.0361	0.09522	0.0397	-0.05883	0.20444	-0.02581	0.57791	-0.13478	0.00352
1.27E-05	-0.25532	2.20E-08	-0.12185	0.00839	-0.24626	7.02E-08	-0.33199	1.77E-13
9.32E-23	0.444231	5.25E-24	0.381779	1.19E-17	0.411278	1.73E-20	0.496684	1.84E-30
3.90E-27	0.387743	3.34E-18	0.274613	1.59E-09	0.260049	1.18E-08	0.426814	4.24E-22
4.33E-40	0.606646	2.80E-48	0.445453	3.82E-24	0.434376	6.50E-23	0.501344	4.32E-31
1.37E-64	0.500649	5.37E-31	0.37764	2.81E-17	0.27793	9.91E-10	0.542633	4.11E-37
4.05E-47	0.426351	4.75E-22	0.513978	7.58E-33	0.4333	8.52E-23	0.559488	8.07E-40
4.78E-16	0.285568	3.26E-10	0.292575	1.14E-10	0.281627	5.81E-10	0.388703	2.71E-18
6.19E-14	0.472097	2.69E-27	0.411808	1.53E-20	0.38114	1.36E-17	0.357859	1.48E-15
5.01E-24	0.459704	8.52E-26	0.343068	2.41E-14	0.298068	4.90E-11	0.401108	1.77E-19
1.19E-39	0.58286	7.70E-44	0.529816	3.74E-35	0.451326	8.15E-25	0.549783	3.05E-38
4.41E-53	0.624408	7.57E-52	0.482619	1.28E-28	0.439365	1.84E-23	0.651891	7.62E-58
1.39E-56	0.560699	5.08E-40	0.442038	9.26E-24	0.419023	2.79E-21	0.5699	1.43E-41
8.12E-32	0.393792	8.98E-19	0.340655	3.75E-14	0.303511	2.08E-11	0.507374	6.41E-32
1.94E-23	0.24995	4.40E-08	0.260842	1.06E-08	0.11767	0.01093	0.326668	4.49E-13
6.35E-10	0.344817	1.75E-14	0.231547	4.21E-07	0.222899	1.14E-06	0.328583	3.22E-13
5.70E-23	0.380506	1.55E-17	0.377998	2.61E-17	0.25699	1.76E-08	0.402654	1.25E-19
1.63E-75	0.334091	1.22E-13	0.420877	1.79E-21	0.278712	8.86E-10	0.558353	1.24E-39
3.71E-09	0.318384	1.84E-12	0.183185	6.84E-05	0.152415	0.00095	0.231382	4.29E-07

8.59E-16	0.186328	5.09E-05	0.336248	8.31E-14	0.198613	1.53E-05	0.349622	7.13E-15
1.52E-29	0.490073	1.38E-29	0.457058	1.75E-25	0.421473	1.55E-21	0.561574	3.64E-40
0.4949	-0.22213	1.25E-06	-0.22699	7.16E-07	-0.34146	3.24E-14	-0.2048	8.15E-06
3.25E-22	0.25682	1.80E-08	0.192355	2.85E-05	0.176892	0.00012	0.369999	1.34E-16
1.30E-30	0.577256	7.59E-43	0.508584	4.35E-32	0.429533	2.17E-22	0.453904	4.09E-25
2.08E-34	0.36969	1.43E-16	0.396073	5.44E-19	0.326779	4.40E-13	0.447335	2.34E-24
4.41E-41	0.505768	1.07E-31	0.456488	2.04E-25	0.441594	1.04E-23	0.597606	1.51E-46
4.05E-35	0.311214	6.03E-12	0.393643	9.28E-19	0.316903	2.36E-12	0.438767	2.14E-23
2.07E-13	0.183656	6.55E-05	0.237996	1.95E-07	0.122766	0.00791	0.381487	1.26E-17
7.37E-50	0.543243	3.30E-37	0.528806	5.29E-35	0.538788	1.62E-36	0.685584	4.17E-66
3.55E-11	0.213975	3.07E-06	0.276086	1.29E-09	0.315712	2.87E-12	0.402583	1.27E-19
3.60E-55	0.442303	8.65E-24	0.373334	6.83E-17	0.278943	8.57E-10	0.476666	7.26E-28
1.62E-34	0.567225	4.09E-41	0.443388	6.53E-24	0.427375	3.70E-22	0.588794	6.51E-45
2.41E-12	0.188043	4.33E-05	0.27836	9.32E-10	0.188325	4.21E-05	0.162836	0.00041
2.75E-49	0.513358	9.28E-33	0.594131	6.74E-46	0.480423	2.44E-28	0.68445	8.25E-66
2.77E-24	0.514614	6.16E-33	0.371031	1.09E-16	0.353291	3.56E-15	0.409904	2.38E-20
6.09E-08	0.482845	1.20E-28	0.445804	3.49E-24	0.38633	4.52E-18	0.277067	1.12E-09
7.83E-10	0.068274	0.1407	0.229913	5.10E-07	0.174216	0.00015	0.236539	2.32E-07
1.36E-23	0.403592	1.01E-19	0.381851	1.17E-17	0.407758	3.91E-20	0.492138	7.40E-30
1.60E-15	0.419478	2.50E-21	0.451177	8.47E-25	0.405286	6.88E-20	0.351983	4.57E-15
7.90E-35	0.26935	3.32E-09	0.322357	9.40E-13	0.264846	6.17E-09	0.509905	2.84E-32
2.33E-40	0.246432	6.87E-08	0.217233	2.15E-06	0.146634	0.00149	0.398327	3.30E-19
3.98E-56	0.52546	1.66E-34	0.498877	9.33E-31	0.365882	3.07E-16	0.576409	1.07E-42
5.84E-15	0.277885	9.98E-10	0.207015	6.46E-06	0.17538	0.00014	0.409527	2.60E-20
1.43E-76	0.575522	1.53E-42	0.524099	2.63E-34	0.383888	7.59E-18	0.631199	2.84E-53
5.83E-23	0.116933	0.01144	0.160879	0.00048	0.053227	0.25098	0.345074	1.67E-14
4.03E-42	0.214842	2.80E-06	0.185351	5.58E-05	0.098272	0.03374	0.437492	2.96E-23
8.58E-61	0.238607	1.81E-07	0.258999	1.35E-08	0.158752	0.00057	0.535505	5.17E-36
1.50E-67	0.458467	1.19E-25	0.369148	1.60E-16	0.334867	1.06E-13	0.621441	3.10E-51
2.39E-33	0.471112	3.56E-27	0.415294	6.76E-21	0.417443	4.07E-21	0.556689	2.33E-39
2.39E-07	0.264036	6.89E-09	0.351888	4.65E-15	0.338859	5.19E-14	0.281849	5.62E-10
3.77E-56	0.306354	1.32E-11	0.369228	1.57E-16	0.191779	3.02E-05	0.543036	3.56E-37
2.71E-48	0.467341	1.03E-26	0.37936	1.97E-17	0.285656	3.22E-10	0.533162	1.17E-35
4.77E-34	0.40063	1.97E-19	0.408585	3.23E-20	0.337999	6.06E-14	0.390745	1.75E-18
6.31E-31	0.375607	4.28E-17	0.36288	5.56E-16	0.243005	1.05E-07	0.349867	6.81E-15
5.98E-38	0.342103	2.88E-14	0.438187	2.48E-23	0.3576	1.56E-15	0.457447	1.58E-25
8.62E-21	0.658934	1.75E-59	0.590593	3.04E-45	0.568309	2.67E-41	0.522693	4.22E-34
2.58E-05	0.235474	2.64E-07	0.30931	8.22E-12	0.279118	8.36E-10	0.282513	5.10E-10
4.35E-14	0.468266	7.95E-27	0.386284	4.56E-18	0.33673	7.62E-14	0.37756	2.86E-17
3.17E-12	0.42565	5.64E-22	0.47106	3.61E-27	0.504127	1.80E-31	0.543469	3.04E-37
5.92E-11	0.386327	4.52E-18	0.350351	6.22E-15	0.376746	3.39E-17	0.390586	1.81E-18
1.46E-14	0.524841	2.04E-34	0.446304	3.06E-24	0.459933	8.00E-26	0.449817	1.22E-24
2.11E-87	0.495706	2.49E-30	0.376519	3.55E-17	0.245987	7.26E-08	0.555421	3.75E-39
7.14E-41	0.440164	1.50E-23	0.293281	1.02E-10	0.295795	6.96E-11	0.488895	1.97E-29
1.32E-24	0.240608	1.42E-07	0.267264	4.43E-09	0.191226	3.19E-05	0.398913	2.89E-19

6.10E-44	0.469675	5.34E-27	0.460849	6.23E-26	0.47345	1.83E-27	0.557105	1.99E-39
3.63E-69	0.418449	3.20E-21	0.457082	1.74E-25	0.336084	8.55E-14	0.633116	1.11E-53
1.19E-11	0.401709	1.55E-19	0.326517	4.61E-13	0.353992	3.12E-15	0.33365	1.32E-13
1.68E-33	0.331335	1.99E-13	0.312166	5.16E-12	0.288442	2.12E-10	0.49867	9.95E-31
3.94E-16	0.24824	5.47E-08	0.240332	1.46E-07	0.217583	2.07E-06	0.282091	5.43E-10
4.96E-24	0.36251	5.98E-16	0.304344	1.83E-11	0.234742	2.88E-07	0.304014	1.92E-11
2.87E-28	0.334148	1.21E-13	0.332211	1.70E-13	0.259706	1.23E-08	0.524467	2.32E-34
6.71E-20	0.449867	1.20E-24	0.354441	2.86E-15	0.343084	2.40E-14	0.529771	3.79E-35
6.45E-29	0.366856	2.53E-16	0.234599	2.93E-07	0.23264	3.70E-07	0.462454	4.01E-26
3.84E-33	0.398425	3.23E-19	0.402073	1.43E-19	0.273754	1.80E-09	0.41181	1.53E-20
1.39E-48	0.188077	4.31E-05	0.130279	0.0048	0.015439	0.73931	0.425688	5.59E-22
9.89E-21	0.242281	1.15E-07	0.228362	6.11E-07	0.228516	6.00E-07	0.26888	3.55E-09
1.27E-38	0.327616	3.81E-13	0.28213	5.40E-10	0.220935	1.43E-06	0.508029	5.20E-32
7.78E-32	0.391957	1.34E-18	0.28409	4.05E-10	0.151633	0.00101	0.390923	1.68E-18
2.19E-15	0.649497	2.69E-57	0.437113	3.26E-23	0.349351	7.51E-15	0.435787	4.56E-23
5.24E-12	-0.31564	2.91E-12	-0.2135	3.24E-06	-0.17746	0.00012	-0.2249	9.10E-07
1.36E-12	-0.46951	5.59E-27	-0.2346	2.93E-07	-0.32098	1.19E-12	-0.34768	1.03E-14
1.52E-14	0.521619	6.05E-34	0.338446	5.59E-14	0.37201	8.94E-17	0.441304	1.12E-23
2.15E-42	0.669602	4.73E-62	0.556563	2.44E-39	0.505665	1.10E-31	0.493744	4.54E-30
3.80E-20	0.155749	0.00073	0.281263	6.12E-10	0.110839	0.01657	0.287408	2.48E-10
6.98E-11	0.1	0.03072	0.235984	2.48E-07	0.175886	0.00013	0.26934	3.33E-09
4.22E-05	0.532204	1.64E-35	0.430061	1.91E-22	0.491383	9.31E-30	0.373015	7.29E-17
6.65E-08	0.320355	1.32E-12	0.206248	7.01E-06	0.17273	0.00018	0.218975	1.77E-06
2.32E-28	0.297473	5.37E-11	0.154837	0.00079	0.102704	0.02646	0.440457	1.39E-23
6.12E-22	0.523879	2.83E-34	0.53115	2.36E-35	0.490681	1.15E-29	0.574762	2.07E-42
7.11E-12	0.0643	0.16537	0.016119	0.72827	-0.06124	0.18646	0.142719	0.00199
6.64E-24	0.330626	2.25E-13	0.424685	7.14E-22	0.318647	1.76E-12	0.398151	3.43E-19
1.10E-17	0.403877	9.48E-20	0.346989	1.17E-14	0.33876	5.29E-14	0.496742	1.81E-30
1.22E-63	0.393118	1.04E-18	0.356357	1.98E-15	0.2158	2.52E-06	0.456808	1.87E-25
8.72E-29	0.631547	2.40E-53	0.532985	1.25E-35	0.515991	3.92E-33	0.561923	3.18E-40
2.01E-56	0.684172	9.75E-66	0.548438	5.00E-38	0.529786	3.77E-35	0.59924	7.40E-47
2.91E-27	0.358637	1.27E-15	0.294422	8.59E-11	0.341706	3.09E-14	0.444607	4.76E-24
5.11E-48	0.464342	2.38E-26	0.372668	7.82E-17	0.373424	6.70E-17	0.55678	2.25E-39
1.21E-37	0.418574	3.11E-21	0.329433	2.77E-13	0.325827	5.19E-13	0.472952	2.11E-27
2.23E-52	0.346209	1.35E-14	0.277417	1.07E-09	0.132559	0.00411	0.455455	2.70E-25
4.11E-38	0.453018	5.19E-25	0.425131	6.40E-22	0.324692	6.31E-13	0.464609	2.21E-26
7.57E-44	0.510517	2.33E-32	0.518059	1.98E-33	0.408053	3.65E-20	0.586113	2.00E-44
3.30E-32	0.474362	1.41E-27	0.384903	6.12E-18	0.423048	1.06E-21	0.531113	2.39E-35
6.34E-32	0.382376	1.05E-17	0.380256	1.63E-17	0.382855	9.45E-18	0.484857	6.60E-29
2.45E-09	0.149258	0.00122	0.267072	4.55E-09	0.219486	1.68E-06	0.242952	1.06E-07
4.32E-63	0.29788	5.04E-11	0.249324	4.76E-08	0.17794	0.00011	0.462824	3.62E-26
9.09E-28	0.22119	1.39E-06	0.308532	9.32E-12	0.249868	4.44E-08	0.433263	8.60E-23
2.31E-36	0.563588	1.68E-40	0.464391	2.34E-26	0.433841	7.44E-23	0.521291	6.75E-34
1.03E-05	0.275546	1.39E-09	0.396382	5.08E-19	0.399921	2.31E-19	0.276252	1.26E-09
7.55E-22	0.353994	3.12E-15	0.268437	3.77E-09	0.255308	2.20E-08	0.428508	2.80E-22

4.84E-14	0.464811	2.09E-26	0.489268	1.76E-29	0.445857	3.44E-24	0.376157	3.82E-17
2.70E-29	0.538582	1.75E-36	0.484036	8.41E-29	0.473269	1.93E-27	0.616326	3.40E-50
1.81E-21	0.283864	4.19E-10	0.32841	3.32E-13	0.228238	6.20E-07	0.294416	8.60E-11
3.46E-19	0.343946	2.05E-14	0.325816	5.20E-13	0.238487	1.83E-07	0.387628	3.42E-18
2.60E-27	0.377313	3.01E-17	0.375074	4.78E-17	0.355448	2.36E-15	0.452582	5.83E-25
5.17E-12	0.27406	1.72E-09	0.214954	2.76E-06	0.136506	0.00312	0.336994	7.27E-14
3.28E-38	0.319581	1.50E-12	0.414984	7.28E-21	0.330097	2.47E-13	0.403533	1.02E-19
2.06E-34	0.50618	9.38E-32	0.328032	3.54E-13	0.363186	5.24E-16	0.505885	1.03E-31
6.66E-14	0.327964	3.58E-13	0.238464	1.84E-07	0.246832	6.53E-08	0.449442	1.34E-24
1.16E-26	-0.13162	0.00438	-0.18958	3.73E-05	-0.15435	0.00082	-0.40967	2.52E-20
1.08E-22	0.383912	7.55E-18	0.315166	3.15E-12	0.211202	4.15E-06	0.345681	1.49E-14
2.37E-12	0.135088	0.00345	0.174801	0.00015	0.109886	0.01753	0.265448	5.68E-09
1.45E-69	0.392295	1.25E-18	0.305932	1.42E-11	0.259649	1.24E-08	0.622827	1.61E-51
2.04E-24	0.455344	2.78E-25	0.450826	9.30E-25	0.390317	1.92E-18	0.455526	2.65E-25
2.63E-55	0.396113	5.39E-19	0.275272	1.45E-09	0.196382	1.92E-05	0.524116	2.61E-34
4.91E-31	0.319894	1.43E-12	0.322576	9.06E-13	0.273016	1.99E-09	0.408105	3.61E-20
8.23E-55	0.408784	3.09E-20	0.342249	2.80E-14	0.314496	3.52E-12	0.501653	3.92E-31
3.28E-09	0.212678	3.54E-06	0.117288	0.01119	0.19922	1.44E-05	0.219159	1.74E-06
5.94E-42	0.38299	9.18E-18	0.424033	8.36E-22	0.360156	9.49E-16	0.566845	4.74E-41
2.67E-49	0.419397	2.55E-21	0.464338	2.38E-26	0.43625	4.06E-23	0.609588	7.44E-49
0.00395	0.155635	0.00074	0.242945	1.06E-07	0.17245	0.00018	0.242207	1.16E-07
1.35E-07	0.361277	7.62E-16	0.386876	4.02E-18	0.370811	1.14E-16	0.263748	7.16E-09
5.35E-08	-0.30266	2.38E-11	-0.31094	6.31E-12	-0.29836	4.68E-11	-0.36666	2.63E-16
9.14E-23	0.376011	3.94E-17	0.26697	4.61E-09	0.182964	6.98E-05	0.389322	2.37E-18
1.39E-16	0.349563	7.21E-15	0.360787	8.39E-16	0.340222	4.06E-14	0.4127	1.24E-20
2.23E-46	0.384499	6.67E-18	0.335248	9.93E-14	0.295257	7.56E-11	0.540797	7.94E-37
1.18E-13	0.46328	3.19E-26	0.352965	3.79E-15	0.456734	1.91E-25	0.371062	1.08E-16
2.55E-79	0.512341	1.29E-32	0.454066	3.92E-25	0.410525	2.06E-20	0.636095	2.53E-54
9.16E-68	0.340447	3.89E-14	0.365904	3.06E-16	0.286922	2.66E-10	0.525255	1.78E-34
1.25E-47	0.55466	4.99E-39	0.460887	6.17E-26	0.466032	1.49E-26	0.546838	8.97E-38
9.32E-21	0.138381	0.00273	0.154973	0.00078	0.073786	0.11129	0.322755	8.79E-13
4.76E-42	0.583942	4.93E-44	0.555874	3.16E-39	0.451116	8.61E-25	0.539626	1.20E-36
0.16228	-0.05095	0.27189	0.056883	0.21984	0.119438	0.00978	0.035183	0.44814
1.39E-16	0.386885	4.01E-18	0.254999	2.29E-08	0.264	6.92E-09	0.480022	2.74E-28
4.00E-15	0.341049	3.49E-14	0.346639	1.25E-14	0.346624	1.25E-14	0.455474	2.68E-25
2.24E-41	0.385408	5.50E-18	0.365794	3.12E-16	0.30168	2.78E-11	0.50422	1.75E-31
3.87E-10	0.105505	0.02259	0.159161	0.00056	0.165119	0.00034	0.239329	1.66E-07
1.41E-18	0.113082	0.01448	0.120186	0.00933	0.093915	0.0425	0.239333	1.65E-07
7.79E-18	0.558753	1.07E-39	0.230942	4.52E-07	0.332542	1.61E-13	0.342861	2.50E-14
2.79E-54	0.40496	7.41E-20	0.41335	1.07E-20	0.338291	5.75E-14	0.545497	1.46E-37
1.57E-14	0.39297	1.08E-18	0.396186	5.30E-19	0.403066	1.14E-19	0.499263	8.27E-31
0.00281	0.234994	2.80E-07	0.299732	3.78E-11	0.272697	2.08E-09	0.189084	3.92E-05
3.65E-06	0.227995	6.37E-07	0.272836	2.04E-09	0.225268	8.73E-07	0.301751	2.75E-11
3.30E-20	0.159188	0.00055	0.188195	4.26E-05	0.198213	1.60E-05	0.29214	1.22E-10
1.44E-37	0.484824	6.66E-29	0.492214	7.24E-30	0.427823	3.31E-22	0.578064	5.47E-43



4.57E-46	0.457224	1.67E-25	0.401496	1.62E-19	0.383083	9.00E-18	0.433692	7.72E-23
5.91E-29	0.156958	0.00066	0.214535	2.89E-06	0.053339	0.24998	0.408289	3.46E-20
1.18E-27	0.432761	9.75E-23	0.477003	6.59E-28	0.455653	2.56E-25	0.516388	3.44E-33
7.00E-29	0.508151	5.00E-32	0.497448	1.45E-30	0.387192	3.76E-18	0.474059	1.54E-27
5.17E-33	0.362056	6.54E-16	0.331317	1.99E-13	0.270257	2.93E-09	0.410905	1.89E-20
1.27E-26	0.321673	1.06E-12	0.436894	3.45E-23	0.332232	1.70E-13	0.598144	1.19E-46
2.18E-06	0.269236	3.38E-09	0.334303	1.18E-13	0.300081	3.58E-11	0.23805	1.93E-07
2.23E-45	0.672237	1.06E-62	0.515901	4.04E-33	0.565056	9.50E-41	0.545417	1.50E-37
7.45E-09	0.393814	8.94E-19	0.390382	1.89E-18	0.314257	3.66E-12	0.362792	5.66E-16
3.28E-28	0.615403	5.21E-50	0.521861	5.58E-34	0.437253	3.15E-23	0.513732	8.22E-33
1.05E-43	0.367305	2.31E-16	0.372688	7.79E-17	0.280057	7.29E-10	0.498191	1.15E-30
2.58E-11	0.516015	3.89E-33	0.524268	2.48E-34	0.480474	2.40E-28	0.466894	1.17E-26
9.88E-06	0.274509	1.61E-09	0.371931	9.09E-17	0.34161	3.15E-14	0.323073	8.32E-13
6.51E-30	0.389486	2.29E-18	0.334768	1.08E-13	0.282656	5.00E-10	0.493077	5.56E-30
2.99E-58	0.426045	5.12E-22	0.485923	4.80E-29	0.413822	9.56E-21	0.548772	4.42E-38
4.84E-63	0.402003	1.45E-19	0.323675	7.51E-13	0.275052	1.49E-09	0.551629	1.54E-38
1.31E-23	0.168587	0.00025	0.21343	3.26E-06	0.093144	0.04424	0.325493	5.50E-13
1.02E-49	0.278443	9.21E-10	0.207604	6.08E-06	0.158804	0.00057	0.414856	7.50E-21
5.92E-15	0.296899	5.87E-11	0.205033	7.95E-06	0.186	5.25E-05	0.533336	1.10E-35
3.17E-33	0.47289	2.15E-27	0.478269	4.56E-28	0.42408	8.27E-22	0.467935	8.72E-27
9.55E-14	0.29651	6.23E-11	0.358598	1.28E-15	0.289597	1.79E-10	0.381279	1.32E-17
3.14E-20	0.360957	8.11E-16	0.206757	6.64E-06	0.177714	0.00011	0.405555	6.47E-20
7.82E-22	0.038378	0.40799	0.170127	0.00022	0.033729	0.46713	0.24988	4.44E-08
1.01E-57	0.550346	2.48E-38	0.480623	2.30E-28	0.449812	1.22E-24	0.56913	1.94E-41
0.00038	0.346286	1.33E-14	0.383612	8.05E-18	0.365879	3.07E-16	0.381429	1.28E-17
9.87E-37	0.465801	1.58E-26	0.353656	3.32E-15	0.362939	5.50E-16	0.470377	4.38E-27
1.56E-49	0.479811	2.91E-28	0.438917	2.06E-23	0.291332	1.38E-10	0.540373	9.23E-37
6.42E-49	0.587012	1.37E-44	0.536719	3.37E-36	0.50413	1.80E-31	0.52815	6.62E-35
8.01E-26	0.130226	0.00482	0.189863	3.63E-05	0.067962	0.14253	0.453898	4.10E-25
3.86E-15	0.353118	3.68E-15	0.085325	0.06543	0.165911	0.00032	0.289684	1.76E-10
3.32E-15	0.160429	0.0005	0.290344	1.60E-10	0.177806	0.00011	0.303226	2.18E-11
1.29E-25	0.622624	1.77E-51	0.603953	9.30E-48	0.551954	1.37E-38	0.539457	1.28E-36
2.03E-58	0.589895	4.09E-45	0.375278	4.58E-17	0.310271	7.03E-12	0.521144	7.09E-34
3.73E-24	0.475101	1.14E-27	0.504587	1.56E-31	0.485522	5.41E-29	0.549004	4.06E-38
2.07E-06	-0.33176	1.84E-13	-0.29336	1.01E-10	-0.36467	3.90E-16	-0.28542	3.33E-10
0.00367	0.048332	0.29729	0.003481	0.94019	-0.00406	0.93031	-0.14382	0.00183
0.0003	0.082399	0.07525	0.135033	0.00346	0.06751	0.14521	0.15235	0.00096
2.64E-28	0.528678	5.52E-35	0.417604	3.91E-21	0.440131	1.51E-23	0.498937	9.16E-31
4.91E-29	0.490859	1.09E-29	0.382879	9.40E-18	0.433676	7.75E-23	0.497323	1.51E-30
1.79E-14	0.380686	1.49E-17	0.453053	5.14E-25	0.37847	2.37E-17	0.429862	2.00E-22
7.79E-38	0.510935	2.04E-32	0.491013	1.04E-29	0.432248	1.11E-22	0.64036	2.97E-55
3.47E-31	0.64848	4.57E-57	0.516234	3.62E-33	0.539147	1.43E-36	0.490978	1.05E-29
4.15E-07	0.241658	1.24E-07	0.312856	4.61E-12	0.328473	3.28E-13	0.308243	9.77E-12
6.81E-20	-0.28926	1.88E-10	-0.24566	7.57E-08	-0.13079	0.00464	-0.49651	1.94E-30
2.59E-18	0.441453	1.08E-23	0.329058	2.96E-13	0.382474	1.02E-17	0.299158	4.13E-11

1.59E-57	0.442778	7.65E-24	0.37681	3.34E-17	0.31843	1.83E-12	0.579274	3.35E-43
7.37E-37	0.506341	8.91E-32	0.449994	1.16E-24	0.396215	5.27E-19	0.492082	7.53E-30
0.02536	0.253045	2.95E-08	0.338559	5.48E-14	0.342018	2.92E-14	0.330404	2.34E-13
1.94E-30	0.214089	3.04E-06	0.184703	5.94E-05	0.092301	0.0462	0.340365	3.95E-14
9.79E-33	0.362534	5.95E-16	0.246569	6.75E-08	0.202931	9.88E-06	0.387375	3.61E-18
5.71E-21	0.251233	3.73E-08	0.340848	3.62E-14	0.221882	1.28E-06	0.330799	2.18E-13
1.95E-13	0.226251	7.80E-07	0.229641	5.26E-07	0.20427	8.61E-06	0.288454	2.12E-10
2.89E-14	0.440443	1.39E-23	0.397526	3.94E-19	0.333782	1.29E-13	0.283722	4.28E-10
2.23E-24	0.634883	4.62E-54	0.456395	2.09E-25	0.448092	1.91E-24	0.430964	1.52E-22
6.75E-18	0.334545	1.13E-13	0.295292	7.52E-11	0.290284	1.61E-10	0.377315	3.01E-17
3.59E-34	0.519269	1.33E-33	0.447264	2.38E-24	0.410186	2.23E-20	0.562065	3.01E-40
1.04E-15	0.292742	1.11E-10	0.257914	1.56E-08	0.27552	1.40E-09	0.299568	3.88E-11
2.18E-28	0.422808	1.13E-21	0.376856	3.31E-17	0.400773	1.91E-19	0.494774	3.31E-30
2.34E-47	0.247353	6.12E-08	0.283178	4.63E-10	0.203919	8.93E-06	0.471862	2.88E-27
3.66E-55	0.607093	2.29E-48	0.449456	1.34E-24	0.378753	2.23E-17	0.540989	7.41E-37
2.68E-21	0.139815	0.00246	0.251903	3.42E-08	0.163885	0.00038	0.31017	7.15E-12
1.42E-84	0.541677	5.79E-37	0.466758	1.21E-26	0.393487	9.60E-19	0.699123	9.44E-70
1.55E-52	0.434391	6.48E-23	0.30372	2.02E-11	0.317434	2.16E-12	0.5753	1.67E-42
1.90E-70	0.500482	5.66E-31	0.505912	1.02E-31	0.412478	1.31E-20	0.64436	3.86E-56
6.12E-30	0.358476	1.32E-15	0.479581	3.11E-28	0.382556	1.01E-17	0.509991	2.77E-32
8.74E-62	0.46781	9.03E-27	0.445907	3.39E-24	0.412357	1.35E-20	0.664372	8.86E-61
3.66E-13	0.424208	8.01E-22	0.358712	1.26E-15	0.403882	9.47E-20	0.347767	1.01E-14
1.51E-56	0.575459	1.57E-42	0.532564	1.44E-35	0.482314	1.40E-28	0.581488	1.35E-43
5.66E-12	0.425292	6.16E-22	0.305264	1.58E-11	0.321103	1.16E-12	0.4528	5.50E-25
1.59E-11	-0.277	1.13E-09	-0.28186	5.61E-10	-0.37951	1.91E-17	-0.44372	5.99E-24
1.19E-36	0.305325	1.56E-11	0.307808	1.05E-11	0.251422	3.64E-08	0.421992	1.37E-21
1.64E-44	0.542312	4.61E-37	0.541148	7.00E-37	0.483131	1.10E-28	0.573862	2.97E-42
3.94E-22	0.335614	9.30E-14	0.37984	1.78E-17	0.284594	3.76E-10	0.423947	8.54E-22
9.28E-07	0.303454	2.10E-11	0.316981	2.33E-12	0.267923	4.05E-09	0.335092	1.02E-13
5.38E-26	0.256127	1.98E-08	0.216955	2.22E-06	0.171278	0.0002	0.281288	6.10E-10
2.10E-19	0.292608	1.13E-10	0.332465	1.63E-13	0.224502	9.52E-07	0.363979	4.48E-16
1.17E-32	0.357294	1.65E-15	0.311985	5.32E-12	0.272909	2.02E-09	0.346254	1.34E-14
1.30E-26	0.299852	3.71E-11	0.219782	1.62E-06	0.153002	0.00091	0.267395	4.35E-09
0.00011	-0.11551	0.01249	-0.18638	5.07E-05	-0.26712	4.52E-09	-0.25461	2.41E-08
6.31E-43	0.543789	2.71E-37	0.517129	2.69E-33	0.461878	4.70E-26	0.518848	1.52E-33
4.91E-18	0.362242	6.30E-16	0.368828	1.70E-16	0.22358	1.06E-06	0.428447	2.84E-22
1.00E-08	0.17043	0.00022	0.174803	0.00015	0.202679	1.01E-05	0.199104	1.46E-05
2.99E-63	0.555811	3.24E-39	0.505065	1.34E-31	0.431553	1.32E-22	0.601511	2.74E-47
9.99E-38	0.187897	4.39E-05	0.24601	7.24E-08	0.156566	0.00069	0.519037	1.43E-33
7.48E-21	0.290095	1.66E-10	0.219238	1.72E-06	0.178949	0.0001	0.467466	9.95E-27
8.47E-30	0.376761	3.37E-17	0.340678	3.73E-14	0.235102	2.76E-07	0.437251	3.15E-23
1.89E-64	0.423452	9.63E-22	0.462105	4.41E-26	0.378608	2.30E-17	0.616927	2.57E-50
4.32E-72	0.565981	6.63E-41	0.499108	8.68E-31	0.388605	2.77E-18	0.639362	4.92E-55
1.49E-58	0.447837	2.05E-24	0.544694	1.95E-37	0.391613	1.45E-18	0.560411	5.68E-40
2.76E-50	0.498097	1.19E-30	0.406393	5.34E-20	0.381737	1.20E-17	0.527375	8.63E-35

1.45E-72	0.560081	6.44E-40	0.571465	7.71E-42	0.514667	6.05E-33	0.612517	1.96E-49
1.76E-39	0.488022	2.57E-29	0.470943	3.73E-27	0.427222	3.84E-22	0.585359	2.74E-44
3.32E-17	0.295635	7.13E-11	0.298803	4.37E-11	0.209622	4.91E-06	0.39208	1.31E-18
1.47E-61	0.332313	1.67E-13	0.435878	4.45E-23	0.282797	4.90E-10	0.605895	3.92E-48
1.46E-11	0.3662	2.88E-16	0.344154	1.97E-14	0.349021	7.99E-15	0.387028	3.89E-18
0.00398	-0.36301	5.42E-16	-0.27245	2.16E-09	-0.36528	3.46E-16	-0.33093	2.13E-13
1.42E-25	0.375971	3.97E-17	0.252035	3.36E-08	0.30729	1.14E-11	0.523619	3.09E-34
0.14881	0.11055	0.01685	0.188798	4.03E-05	0.173704	0.00016	0.186968	4.79E-05
1.51E-20	0.41656	5.01E-21	0.432076	1.16E-22	0.423212	1.02E-21	0.4551	2.97E-25
1.24E-54	0.485667	5.18E-29	0.480636	2.29E-28	0.395474	6.20E-19	0.60581	4.07E-48
3.38E-25	0.438607	2.23E-23	0.403347	1.07E-19	0.343157	2.37E-14	0.34819	9.33E-15
8.20E-53	0.731	3.35E-79	0.584132	4.55E-44	0.524527	2.27E-34	0.643133	7.24E-56
3.57E-70	0.636782	1.80E-54	0.569601	1.61E-41	0.544856	1.84E-37	0.717676	4.30E-75
4.84E-16	-0.21796	1.99E-06	-0.21297	3.43E-06	-0.13133	0.00447	-0.23947	1.63E-07
3.00E-36	0.600682	3.94E-47	0.452125	6.59E-25	0.490557	1.20E-29	0.551191	1.81E-38
2.47E-09	0.239797	1.56E-07	0.442173	8.94E-24	0.357164	1.70E-15	0.324731	6.26E-13
6.67E-59	0.516955	2.85E-33	0.464341	2.38E-26	0.379578	1.88E-17	0.613037	1.55E-49
2.82E-21	0.609209	8.84E-49	0.594223	6.49E-46	0.543803	2.70E-37	0.561845	3.28E-40
1.57E-62	0.600902	3.58E-47	0.439638	1.71E-23	0.35615	2.06E-15	0.552015	1.34E-38
2.06E-23	0.324431	6.60E-13	0.330164	2.44E-13	0.347157	1.13E-14	0.405119	7.15E-20
1.03E-12	0.353346	3.53E-15	0.11027	0.01713	0.249622	4.58E-08	0.248819	5.08E-08
5.91E-39	0.308893	8.80E-12	0.215916	2.49E-06	0.162774	0.00041	0.375257	4.60E-17
2.60E-40	0.318225	1.89E-12	0.316496	2.52E-12	0.26301	7.91E-09	0.40166	1.56E-19
6.48E-49	0.565499	8.00E-41	0.453923	4.07E-25	0.451883	7.02E-25	0.587625	1.06E-44
3.47E-11	0.503124	2.47E-31	0.348713	8.46E-15	0.35722	1.68E-15	0.374149	5.78E-17
3.21E-50	0.448124	1.90E-24	0.417045	4.47E-21	0.362775	5.68E-16	0.574295	2.50E-42
7.17E-28	0.154157	0.00083	0.238514	1.83E-07	0.179878	9.28E-05	0.319338	1.57E-12
5.73E-57	0.698967	1.04E-69	0.560859	4.78E-40	0.525238	1.79E-34	0.690898	1.64E-67
8.14E-16	0.030885	0.50553	0.126414	0.00623	0.071077	0.12507	0.365651	3.21E-16
5.63E-09	0.295195	7.63E-11	0.280104	7.25E-10	0.184869	5.84E-05	0.358613	1.28E-15
4.81E-29	0.269637	3.19E-09	0.179311	9.77E-05	0.04986	0.28226	0.28242	5.17E-10
1.45E-19	0.309039	8.59E-12	0.232198	3.90E-07	0.071011	0.12543	0.373782	6.23E-17
6.14E-24	0.298313	4.71E-11	0.320537	1.28E-12	0.229275	5.49E-07	0.407636	4.02E-20
9.75E-27	0.364095	4.37E-16	0.413307	1.08E-20	0.337877	6.20E-14	0.465694	1.63E-26
4.38E-26	0.388922	2.59E-18	0.424416	7.62E-22	0.354286	2.95E-15	0.333044	1.47E-13
0.02851	0.247728	5.83E-08	0.291361	1.37E-10	0.343607	2.18E-14	0.222399	1.21E-06
2.40E-19	0.241058	1.34E-07	0.280683	6.66E-10	0.217731	2.04E-06	0.350703	5.82E-15
4.25E-26	0.256412	1.90E-08	0.146316	0.00152	0.119084	0.01	0.32453	6.48E-13
2.47E-56	0.343934	2.06E-14	0.438083	2.55E-23	0.366169	2.90E-16	0.574297	2.49E-42
7.53E-58	0.456089	2.27E-25	0.45666	1.95E-25	0.392925	1.09E-18	0.535375	5.41E-36
4.33E-86	0.504295	1.71E-31	0.459564	8.85E-26	0.39853	3.15E-19	0.666489	2.72E-61
9.20E-09	0.059444	0.19974	0.171217	0.0002	0.095024	0.04011	0.159968	0.00052
9.36E-56	0.320533	1.28E-12	0.353562	3.38E-15	0.215662	2.56E-06	0.538037	2.12E-36
5.23E-44	0.380892	1.43E-17	0.44193	9.52E-24	0.318282	1.87E-12	0.543778	2.72E-37
5.08E-18	0.408553	3.25E-20	0.350418	6.14E-15	0.293698	9.60E-11	0.541443	6.30E-37

1.79E-46	0.403172	1.11E-19	0.445399	3.87E-24	0.309909	7.46E-12	0.677584	4.81E-64
9.15E-40	0.598651	9.57E-47	0.524456	2.33E-34	0.427067	3.99E-22	0.57259	4.93E-42
5.05E-21	0.505308	1.24E-31	0.383312	8.58E-18	0.307646	1.08E-11	0.241557	1.26E-07
1.13E-52	0.368113	1.96E-16	0.404897	7.52E-20	0.334318	1.17E-13	0.51887	1.51E-33
4.40E-26	0.242122	1.18E-07	0.244682	8.55E-08	0.207406	6.20E-06	0.301251	2.98E-11
2.03E-10	0.577374	7.23E-43	0.421982	1.37E-21	0.462569	3.88E-26	0.386479	4.37E-18
7.26E-42	0.453379	4.71E-25	0.407302	4.34E-20	0.369808	1.40E-16	0.575473	1.56E-42
2.16E-37	0.414436	8.28E-21	0.34618	1.36E-14	0.315088	3.19E-12	0.477964	4.99E-28
5.01E-27	0.418863	2.90E-21	0.249177	4.85E-08	0.24871	5.15E-08	0.433037	9.10E-23
1.21E-19	0.258789	1.39E-08	0.277225	1.10E-09	0.331629	1.89E-13	0.479299	3.38E-28
3.44E-27	0.365465	3.33E-16	0.29876	4.40E-11	0.254814	2.35E-08	0.379481	1.92E-17
7.43E-30	0.509364	3.38E-32	0.490679	1.15E-29	0.494383	3.73E-30	0.505595	1.13E-31
4.42E-14	0.586679	1.58E-44	0.325344	5.64E-13	0.389822	2.13E-18	0.409678	2.51E-20
6.50E-14	0.152531	0.00094	0.240102	1.51E-07	0.214053	3.05E-06	0.384688	6.41E-18
2.41E-39	0.386869	4.02E-18	0.334449	1.15E-13	0.183299	6.77E-05	0.44261	7.99E-24
2.13E-50	0.380557	1.53E-17	0.385948	4.90E-18	0.301396	2.91E-11	0.551577	1.57E-38
2.15E-19	0.222531	1.19E-06	0.052832	0.25452	0.113138	0.01444	0.391484	1.49E-18
4.79E-56	0.706331	8.91E-72	0.527123	9.40E-35	0.566037	6.49E-41	0.600487	4.29E-47
1.30E-32	0.463724	2.82E-26	0.414172	8.81E-21	0.379503	1.91E-17	0.528883	5.15E-35
1.95E-56	0.30801	1.01E-11	0.377987	2.62E-17	0.257578	1.63E-08	0.45279	5.51E-25
2.06E-56	0.544342	2.22E-37	0.40888	3.02E-20	0.343681	2.15E-14	0.591111	2.44E-45
2.73E-10	0.450297	1.07E-24	0.440516	1.37E-23	0.388362	2.92E-18	0.3987	3.04E-19
2.74E-26	0.511156	1.90E-32	0.431751	1.25E-22	0.424974	6.65E-22	0.335704	9.16E-14
0.93495	-0.04281	0.35592	0.110268	0.01713	0.129723	0.00499	0.005258	0.90977
1.40E-49	0.58985	4.17E-45	0.437737	2.78E-23	0.446519	2.89E-24	0.630586	3.83E-53
4.13E-38	0.614368	8.39E-50	0.544473	2.12E-37	0.470514	4.22E-27	0.615502	4.97E-50
3.00E-64	0.300377	3.41E-11	0.343685	2.15E-14	0.254887	2.32E-08	0.488353	2.32E-29
3.01E-38	0.257326	1.69E-08	0.160224	0.00051	0.131182	0.00452	0.357843	1.49E-15
6.73E-13	0.479268	3.41E-28	0.455353	2.77E-25	0.475415	1.04E-27	0.659518	1.27E-59
3.47E-14	0.683778	1.23E-65	0.311556	5.70E-12	0.405836	6.07E-20	0.349947	6.71E-15
9.42E-09	0.301554	2.84E-11	0.319614	1.50E-12	0.30099	3.10E-11	0.255988	2.01E-08
1.93E-35	0.342578	2.64E-14	0.44478	4.55E-24	0.313602	4.08E-12	0.419768	2.34E-21
1.53E-11	-0.38364	8.01E-18	-0.30611	1.38E-11	-0.30711	1.17E-11	-0.32391	7.21E-13
2.78E-63	0.441938	9.50E-24	0.396853	4.58E-19	0.30898	8.67E-12	0.505331	1.23E-31
1.41E-11	-0.1284	0.00546	0.033985	0.46376	-0.02078	0.65417	-0.228	6.37E-07
3.56E-64	0.630096	4.87E-53	0.445644	3.63E-24	0.401965	1.46E-19	0.635098	4.16E-54
1.14E-05	0.396697	4.74E-19	0.424752	7.02E-22	0.40561	6.39E-20	0.385688	5.18E-18
2.00E-19	0.514817	5.76E-33	0.467048	1.12E-26	0.466528	1.29E-26	0.463643	2.89E-26
1.26E-19	0.400012	2.26E-19	0.33536	9.74E-14	0.317044	2.30E-12	0.388825	2.64E-18
5.55E-24	0.421093	1.70E-21	0.403005	1.15E-19	0.343643	2.17E-14	0.467761	9.16E-27
4.06E-06	-0.25887	1.38E-08	-0.41542	6.57E-21	-0.43262	1.01E-22	-0.33528	9.87E-14
4.25E-16	0.219091	1.75E-06	0.261793	9.32E-09	0.193945	2.44E-05	0.319153	1.62E-12
3.60E-26	0.130428	0.00476	0.196986	1.81E-05	0.06607	0.15401	0.262413	8.57E-09
4.66E-33	0.516942	2.87E-33	0.35809	1.42E-15	0.278756	8.80E-10	0.5308	2.66E-35
2.89E-22	0.542231	4.75E-37	0.34964	7.11E-15	0.398854	2.93E-19	0.438586	2.24E-23

8.16E-10	0.453109	5.06E-25	0.374934	4.92E-17	0.375157	4.70E-17	0.436171	4.14E-23
2.02E-20	0.174839	0.00015	0.345288	1.60E-14	0.207461	6.17E-06	0.365782	3.13E-16
1.43E-22	0.207202	6.34E-06	0.165522	0.00033	0.117602	0.01098	0.246117	7.15E-08
2.25E-08	0.429763	2.05E-22	0.440975	1.22E-23	0.407173	4.47E-20	0.369929	1.36E-16
3.81E-29	0.477015	6.56E-28	0.431201	1.44E-22	0.397874	3.65E-19	0.521452	6.40E-34
3.39E-13	0.321119	1.16E-12	0.285827	3.13E-10	0.256093	1.99E-08	0.35053	6.01E-15
8.12E-48	0.613912	1.04E-49	0.51256	1.20E-32	0.464243	2.44E-26	0.519114	1.40E-33
1.91E-32	0.440946	1.23E-23	0.454826	3.20E-25	0.394077	8.44E-19	0.549654	3.20E-38
2.08E-33	0.465691	1.63E-26	0.460673	6.54E-26	0.431947	1.19E-22	0.456719	1.92E-25
1.70E-49	0.528747	5.40E-35	0.549182	3.80E-38	0.479655	3.05E-28	0.553077	9.01E-39
6.58E-10	0.418191	3.40E-21	0.365529	3.29E-16	0.343764	2.12E-14	0.42579	5.45E-22
4.33E-29	0.394376	7.90E-19	0.324071	7.02E-13	0.244697	8.54E-08	0.470483	4.25E-27
2.26E-21	0.678003	3.76E-64	0.449564	1.30E-24	0.484176	8.07E-29	0.483422	1.01E-28
3.99E-62	0.304812	1.69E-11	0.293276	1.02E-10	0.126056	0.00638	0.504284	1.71E-31
2.28E-40	0.290118	1.65E-10	0.247914	5.70E-08	0.122819	0.00788	0.474501	1.35E-27
2.23E-25	0.256857	1.80E-08	0.323977	7.13E-13	0.242671	1.10E-07	0.294184	8.91E-11
1.80E-18	0.333279	1.41E-13	0.410919	1.88E-20	0.31553	2.96E-12	0.331063	2.08E-13
3.67E-61	0.711275	3.35E-73	0.560672	5.14E-40	0.568863	2.15E-41	0.685504	4.38E-66
9.06E-12	0.470832	3.85E-27	0.417253	4.26E-21	0.4665	1.30E-26	0.437024	3.33E-23
4.31E-38	0.563328	1.85E-40	0.503036	2.54E-31	0.512243	1.33E-32	0.539782	1.14E-36
3.48E-20	0.199775	1.36E-05	0.242961	1.06E-07	0.153742	0.00086	0.23152	4.22E-07
3.57E-26	0.123253	0.00766	0.244368	8.89E-08	0.126414	0.00623	0.4626	3.85E-26
2.29E-46	0.297524	5.33E-11	0.397326	4.12E-19	0.310018	7.33E-12	0.516819	2.98E-33
1.34E-72	0.449222	1.42E-24	0.359457	1.09E-15	0.321826	1.03E-12	0.568779	2.22E-41
8.60E-74	0.339797	4.38E-14	0.337988	6.08E-14	0.21431	2.96E-06	0.535617	4.97E-36
8.81E-69	0.418339	3.29E-21	0.332532	1.61E-13	0.304527	1.77E-11	0.548369	5.13E-38
1.09E-16	0.25606	1.99E-08	0.187212	4.68E-05	0.130113	0.00486	0.330923	2.14E-13
4.00E-66	0.434121	6.93E-23	0.45173	7.32E-25	0.383098	8.97E-18	0.59011	3.74E-45
1.11E-33	0.603811	9.91E-48	0.364463	4.07E-16	0.321688	1.05E-12	0.404373	8.47E-20
5.47E-31	0.377206	3.08E-17	0.414593	7.98E-21	0.302889	2.30E-11	0.391982	1.33E-18
5.62E-64	0.552433	1.14E-38	0.449678	1.26E-24	0.431949	1.19E-22	0.57803	5.55E-43
2.27E-17	0.303982	1.93E-11	0.366501	2.71E-16	0.329479	2.75E-13	0.445017	4.28E-24
6.26E-68	0.531626	2.00E-35	0.422774	1.13E-21	0.398092	3.48E-19	0.596411	2.53E-46
0.00532	-0.16178	0.00045	-0.12995	0.00491	-0.2378	1.99E-07	-0.24211	1.18E-07
1.56E-26	0.414439	8.27E-21	0.385882	4.97E-18	0.328652	3.18E-13	0.581514	1.34E-43
6.81E-58	0.466961	1.15E-26	0.535474	5.23E-36	0.425075	6.49E-22	0.625505	4.48E-52
1.46E-10	0.300592	3.30E-11	0.282522	5.10E-10	0.3114	5.85E-12	0.316531	2.51E-12
1.18E-30	0.366677	2.62E-16	0.445824	3.47E-24	0.29286	1.09E-10	0.346764	1.22E-14
2.29E-18	0.377049	3.18E-17	0.178687	0.0001	0.217458	2.10E-06	0.328451	3.29E-13
9.62E-19	0.23607	2.46E-07	0.18808	4.31E-05	0.120606	0.00908	0.239134	1.70E-07
1.11E-34	0.497117	1.61E-30	0.424542	7.39E-22	0.463101	3.35E-26	0.544467	2.12E-37
1.48E-66	0.416001	5.72E-21	0.420134	2.14E-21	0.323979	7.13E-13	0.558633	1.12E-39
1.64E-06	0.179751	9.39E-05	0.19969	1.38E-05	0.240546	1.43E-07	0.188729	4.05E-05
3.72E-19	0.380965	1.41E-17	0.349462	7.35E-15	0.329202	2.89E-13	0.389559	2.26E-18
5.86E-23	0.414404	8.34E-21	0.406957	4.70E-20	0.341661	3.12E-14	0.426958	4.10E-22

2.15E-28	0.404193	8.82E-20	0.392333	1.24E-18	0.285887	3.11E-10	0.460305	7.23E-26
9.11E-17	0.496072	2.22E-30	0.314773	3.36E-12	0.327469	3.91E-13	0.346927	1.18E-14
2.58E-39	0.146147	0.00154	0.216587	2.31E-06	0.080289	0.08306	0.361428	7.40E-16
6.24E-79	0.603458	1.16E-47	0.509836	2.91E-32	0.450278	1.08E-24	0.686209	2.86E-66
6.89E-17	0.387656	3.40E-18	0.303367	2.13E-11	0.225998	8.03E-07	0.46691	1.16E-26
1.16E-51	0.390297	1.92E-18	0.409991	2.33E-20	0.271659	2.41E-09	0.502963	2.60E-31
5.28E-70	0.467506	9.84E-27	0.506514	8.43E-32	0.433246	8.63E-23	0.671817	1.34E-62
5.24E-15	0.417885	3.66E-21	0.417569	3.95E-21	0.466667	1.24E-26	0.409998	2.33E-20
9.66E-51	0.448909	1.54E-24	0.393263	1.01E-18	0.298383	4.66E-11	0.622868	1.58E-51
3.95E-42	0.521495	6.31E-34	0.554959	4.46E-39	0.477471	5.75E-28	0.619635	7.25E-51
1.76E-06	0.29558	7.19E-11	0.248586	5.23E-08	0.288097	2.24E-10	0.249724	4.53E-08
9.25E-38	0.46628	1.39E-26	0.325935	5.09E-13	0.33935	4.75E-14	0.419754	2.34E-21
0.00025	-0.04426	0.33993	-0.08069	0.08152	-0.10896	0.01851	-0.15577	0.00073
8.35E-74	0.60662	2.83E-48	0.447239	2.40E-24	0.334776	1.08E-13	0.64346	6.13E-56
8.65E-32	0.481225	1.93E-28	0.372132	8.72E-17	0.305227	1.59E-11	0.407685	3.97E-20
4.27E-22	0.497058	1.64E-30	0.361618	7.13E-16	0.294248	8.82E-11	0.455473	2.69E-25
8.72E-25	0.441918	9.55E-24	0.289906	1.71E-10	0.245255	7.96E-08	0.499041	8.87E-31
2.02E-46	0.333917	1.26E-13	0.259122	1.33E-08	0.15073	0.00109	0.385471	5.42E-18
3.34E-68	0.490503	1.22E-29	0.369636	1.45E-16	0.22726	6.94E-07	0.512675	1.16E-32
4.72E-51	0.545238	1.61E-37	0.447913	2.01E-24	0.425767	5.48E-22	0.725245	2.14E-77
2.91E-24	0.278958	8.55E-10	0.258007	1.54E-08	0.175036	0.00014	0.429113	2.41E-22
2.73E-05	0.348293	9.15E-15	0.307684	1.07E-11	0.342375	2.74E-14	0.396545	4.90E-19
2.24E-63	0.563063	2.05E-40	0.481798	1.63E-28	0.416519	5.06E-21	0.644201	4.19E-56
7.58E-18	0.06152	0.18446	0.127331	0.00586	0.112255	0.01522	0.275191	1.47E-09
1.69E-13	0.399787	2.38E-19	0.402097	1.42E-19	0.420257	2.08E-21	0.45393	4.07E-25
4.09E-13	0.260362	1.13E-08	0.258084	1.53E-08	0.323103	8.28E-13	0.138527	0.0027
4.75E-10	0.307156	1.16E-11	0.324263	6.79E-13	0.309456	8.03E-12	0.206502	6.82E-06
1.32E-37	0.273305	1.91E-09	0.293238	1.03E-10	0.113567	0.01407	0.389536	2.27E-18
4.51E-06	0.268432	3.77E-09	0.322824	8.68E-13	0.286839	2.70E-10	0.255112	2.26E-08
5.78E-09	0.581192	1.53E-43	0.34494	1.71E-14	0.400358	2.10E-19	0.31484	3.32E-12
9.97E-14	0.412865	1.20E-20	0.430908	1.55E-22	0.398334	3.29E-19	0.381775	1.19E-17
1.07E-11	0.449897	1.19E-24	0.416095	5.60E-21	0.440714	1.30E-23	0.344944	1.71E-14
8.03E-26	0.371274	1.04E-16	0.347262	1.11E-14	0.26046	1.11E-08	0.456107	2.26E-25
2.04E-15	0.225165	8.83E-07	0.16586	0.00032	0.122367	0.00812	0.279365	8.06E-10
1.81E-31	0.482036	1.52E-28	0.451542	7.69E-25	0.399554	2.51E-19	0.472795	2.21E-27
2.22E-25	0.512215	1.35E-32	0.461508	5.20E-26	0.409098	2.87E-20	0.518732	1.58E-33
1.04E-37	0.523304	3.43E-34	0.56665	5.11E-41	0.479795	2.93E-28	0.578864	3.95E-43
1.19E-22	0.11627	0.01192	0.169891	0.00023	0.10698	0.02076	0.297958	4.98E-11
8.66E-17	0.417197	4.31E-21	0.463469	3.03E-26	0.380234	1.64E-17	0.427178	3.88E-22
6.16E-30	0.36573	3.16E-16	0.415381	6.63E-21	0.31727	2.22E-12	0.357374	1.63E-15
6.21E-32	0.673994	3.85E-63	0.485422	5.58E-29	0.474211	1.47E-27	0.505031	1.35E-31
5.50E-18	0.162641	0.00042	0.24691	6.47E-08	0.13522	0.00341	0.339798	4.38E-14
7.29E-55	0.471376	3.30E-27	0.311316	5.93E-12	0.25042	4.14E-08	0.493407	5.03E-30
1.35E-44	0.488284	2.37E-29	0.367067	2.42E-16	0.350599	5.94E-15	0.512903	1.08E-32
4.03E-55	0.463488	3.01E-26	0.392837	1.11E-18	0.313733	3.99E-12	0.485902	4.83E-29

3.72E-27	0.478858	3.84E-28	0.385274	5.66E-18	0.397466	3.99E-19	0.494297	3.83E-30
4.69E-20	0.374765	5.09E-17	0.371038	1.09E-16	0.278728	8.84E-10	0.379705	1.83E-17
5.40E-52	0.300648	3.27E-11	0.363239	5.18E-16	0.278076	9.71E-10	0.540062	1.03E-36
1.00E-21	0.246184	7.09E-08	0.182758	7.12E-05	0.125078	0.0068	0.355409	2.38E-15
9.27E-51	0.383628	8.02E-18	0.347425	1.08E-14	0.247293	6.16E-08	0.496227	2.12E-30
7.32E-37	0.488069	2.53E-29	0.351111	5.39E-15	0.286466	2.85E-10	0.43933	1.85E-23
1.78E-63	0.462282	4.20E-26	0.439722	1.68E-23	0.352674	4.01E-15	0.584375	4.12E-44
0.00014	0.060192	0.19413	0.248959	4.99E-08	0.188125	4.29E-05	0.18224	7.47E-05
6.81E-24	0.497183	1.58E-30	0.514294	6.84E-33	0.451678	7.42E-25	0.572368	5.38E-42
4.53E-26	0.271375	2.51E-09	0.360991	8.06E-16	0.236872	2.23E-07	0.364479	4.05E-16
3.94E-27	0.525498	1.63E-34	0.558624	1.12E-39	0.547542	6.94E-38	0.51174	1.57E-32
1.32E-14	0.34394	2.05E-14	0.401129	1.76E-19	0.378755	2.23E-17	0.427172	3.89E-22
1.19E-16	0.080351	0.08282	0.240474	1.44E-07	0.104652	0.02372	0.227944	6.41E-07
1.25E-27	0.430533	1.70E-22	0.435462	4.95E-23	0.391775	1.40E-18	0.457618	1.50E-25
6.99E-25	0.476148	8.43E-28	0.468275	7.93E-27	0.433211	8.71E-23	0.556729	2.29E-39
2.70E-53	0.517592	2.31E-33	0.526715	1.08E-34	0.444621	4.74E-24	0.542547	4.24E-37
7.08E-17	0.393344	9.91E-19	0.4511	8.65E-25	0.412919	1.18E-20	0.507299	6.56E-32
4.67E-18	0.394571	7.57E-19	0.345339	1.59E-14	0.33621	8.36E-14	0.478034	4.88E-28
1.19E-66	0.622548	1.83E-51	0.552176	1.26E-38	0.480684	2.26E-28	0.606363	3.18E-48
4.86E-14	0.410923	1.88E-20	0.395606	6.03E-19	0.339397	4.71E-14	0.491647	8.60E-30
8.22E-48	0.409313	2.73E-20	0.416463	5.13E-21	0.392563	1.18E-18	0.613648	1.17E-49
2.67E-26	0.519545	1.21E-33	0.500842	5.06E-31	0.375956	3.99E-17	0.443729	5.98E-24
2.29E-33	0.277862	1.00E-09	0.32697	4.26E-13	0.158017	0.00061	0.380713	1.48E-17
1.86E-43	0.536503	3.64E-36	0.412774	1.22E-20	0.357255	1.67E-15	0.536689	3.41E-36
4.23E-15	0.247029	6.37E-08	0.305197	1.59E-11	0.259452	1.27E-08	0.362675	5.79E-16
3.86E-07	0.141676	0.00215	0.206182	7.05E-06	0.130774	0.00465	0.17373	0.00016
9.58E-10	0.357959	1.45E-15	0.196211	1.95E-05	0.23113	4.42E-07	0.323654	7.54E-13
5.48E-14	0.141584	0.00216	0.131607	0.00439	0.133258	0.00392	0.305451	1.53E-11
2.64E-83	0.489651	1.57E-29	0.443175	6.90E-24	0.371746	9.43E-17	0.625191	5.21E-52
1.12E-07	0.253736	2.70E-08	0.326529	4.60E-13	0.36443	4.09E-16	0.355357	2.40E-15
1.80E-05	0.41435	8.45E-21	0.405011	7.32E-20	0.380601	1.52E-17	0.490436	1.24E-29
0.00093	0.08322	0.07238	0.12262	0.00798	0.097228	0.03569	0.109346	0.01809
1.26E-65	0.577377	7.23E-43	0.50867	4.23E-32	0.418348	3.28E-21	0.622871	1.57E-51
7.44E-07	0.245169	8.05E-08	0.381219	1.33E-17	0.259169	1.32E-08	0.326497	4.62E-13
1.58E-14	0.295299	7.51E-11	0.361679	7.04E-16	0.325153	5.83E-13	0.436738	3.58E-23
9.28E-24	0.445848	3.45E-24	0.401976	1.46E-19	0.472989	2.09E-27	0.448457	1.74E-24
7.08E-36	0.408941	2.98E-20	0.341615	3.15E-14	0.318078	1.94E-12	0.509629	3.11E-32
2.46E-76	0.409203	2.80E-20	0.418461	3.19E-21	0.292188	1.21E-10	0.52914	4.71E-35
2.91E-58	0.361164	7.79E-16	0.484978	6.36E-29	0.361302	7.58E-16	0.588889	6.25E-45
8.18E-05	-0.11384	0.01384	-0.23307	3.51E-07	-0.29057	1.54E-10	-0.2668	4.73E-09
1.15E-42	0.522211	4.96E-34	0.431339	1.39E-22	0.372709	7.76E-17	0.601555	2.68E-47
5.16E-34	0.49088	1.08E-29	0.465805	1.58E-26	0.443224	6.81E-24	0.552504	1.11E-38
3.96E-18	0.418509	3.16E-21	0.306004	1.40E-11	0.338414	5.63E-14	0.433681	7.74E-23
7.15E-15	0.201605	1.13E-05	0.228472	6.03E-07	0.144905	0.00169	0.227318	6.89E-07
0.002	-0.24673	6.61E-08	-0.3136	4.08E-12	-0.30478	1.70E-11	-0.179	0.0001

3.20E-29	0.15689	0.00067	0.263167	7.74E-09	0.13399	0.00372	0.341136	3.43E-14
1.09E-39	0.488917	1.96E-29	0.505739	1.08E-31	0.420298	2.06E-21	0.67803	3.70E-64
1.78E-34	0.493418	5.01E-30	0.424366	7.71E-22	0.390446	1.86E-18	0.535901	4.50E-36
1.82E-27	0.343617	2.18E-14	0.251372	3.66E-08	0.197501	1.72E-05	0.322971	8.47E-13
1.10E-26	0.475781	9.37E-28	0.415493	6.45E-21	0.340833	3.63E-14	0.344024	2.02E-14
2.16E-05	0.40389	9.45E-20	0.308198	9.84E-12	0.349366	7.49E-15	0.296752	6.00E-11
7.04E-13	0.375568	4.32E-17	0.33149	1.93E-13	0.28485	3.62E-10	0.399322	2.64E-19
3.96E-26	-0.30759	1.09E-11	-0.259	1.35E-08	-0.2134	3.27E-06	-0.4882	2.43E-29
1.72E-16	-0.46848	7.48E-27	-0.30258	2.42E-11	-0.35158	4.93E-15	-0.38548	5.41E-18
6.46E-17	0.359999	9.78E-16	0.446358	3.02E-24	0.39147	1.49E-18	0.509166	3.61E-32
5.63E-36	0.385186	5.76E-18	0.401242	1.72E-19	0.34637	1.31E-14	0.378518	2.34E-17
1.65E-07	0.44178	9.89E-24	0.386865	4.03E-18	0.427129	3.93E-22	0.417185	4.32E-21
4.92E-27	0.4473	2.36E-24	0.369755	1.41E-16	0.357156	1.70E-15	0.535909	4.49E-36
0.94634	0.057728	0.21305	0.181637	7.89E-05	0.142362	0.00204	0.199991	1.33E-05
2.17E-40	0.421775	1.44E-21	0.388221	3.01E-18	0.314363	3.59E-12	0.530141	3.34E-35
8.35E-22	0.057996	0.21093	0.086384	0.06214	-0.02048	0.65889	0.339178	4.90E-14
7.24E-18	0.570746	1.02E-41	0.422985	1.08E-21	0.434743	5.93E-23	0.459839	8.21E-26
1.40E-24	-0.46523	1.86E-26	-0.2209	1.43E-06	-0.29828	4.74E-11	-0.48274	1.23E-28
1.05E-15	0.047813	0.30251	0.089811	0.05243	-0.04441	0.33821	0.209036	5.22E-06
6.52E-27	0.456894	1.83E-25	0.361108	7.87E-16	0.316435	2.55E-12	0.576742	9.34E-43
1.22E-24	0.336492	7.95E-14	0.265928	5.32E-09	0.269399	3.30E-09	0.34731	1.10E-14
7.30E-19	0.304005	1.93E-11	0.379215	2.03E-17	0.315802	2.83E-12	0.458753	1.10E-25
4.15E-37	0.396603	4.84E-19	0.394878	7.08E-19	0.302715	2.36E-11	0.506202	9.31E-32
7.55E-43	0.518947	1.48E-33	0.431004	1.51E-22	0.408802	3.07E-20	0.628116	1.27E-52
1.15E-11	0.548645	4.63E-38	0.408879	3.02E-20	0.54845	4.98E-38	0.423723	9.01E-22
7.49E-61	0.387683	3.38E-18	0.481944	1.56E-28	0.41109	1.81E-20	0.556388	2.61E-39
2.26E-70	0.481395	1.83E-28	0.428658	2.70E-22	0.407176	4.47E-20	0.611473	3.16E-49
6.50E-51	0.403297	1.08E-19	0.435443	4.97E-23	0.341726	3.08E-14	0.614644	7.39E-50
3.54E-18	-0.10881	0.01867	-0.15804	0.00061	-0.04483	0.33369	-0.33345	1.37E-13
2.07E-23	0.420447	1.99E-21	0.374456	5.43E-17	0.241771	1.23E-07	0.473273	1.92E-27
7.57E-11	0.237686	2.02E-07	0.243126	1.04E-07	0.297529	5.32E-11	0.387055	3.87E-18
3.22E-18	0.301775	2.74E-11	0.329928	2.54E-13	0.212487	3.61E-06	0.407181	4.46E-20
1.82E-13	0.431071	1.48E-22	0.407658	4.00E-20	0.392216	1.27E-18	0.435377	5.06E-23
4.52E-29	0.49858	1.02E-30	0.409033	2.91E-20	0.401976	1.46E-19	0.525144	1.84E-34
5.62E-78	0.479401	3.28E-28	0.465974	1.51E-26	0.351842	4.69E-15	0.676966	6.89E-64
9.25E-31	0.499314	8.14E-31	0.303022	2.25E-11	0.261451	9.76E-09	0.384785	6.28E-18
1.53E-70	0.430126	1.88E-22	0.505584	1.13E-31	0.413631	1.00E-20	0.659514	1.28E-59
3.39E-16	-0.20401	8.84E-06	-0.19417	2.39E-05	-0.18217	7.52E-05	-0.30669	1.25E-11
2.35E-37	0.481206	1.94E-28	0.393672	9.22E-19	0.412679	1.25E-20	0.517844	2.13E-33
0.01906	0.116982	0.01141	0.125997	0.0064	0.104734	0.02361	0.122483	0.00805
5.34E-48	0.490936	1.07E-29	0.494632	3.46E-30	0.393896	8.78E-19	0.603385	1.20E-47
2.38E-11	0.289423	1.83E-10	0.31027	7.03E-12	0.239451	1.63E-07	0.334575	1.12E-13
1.81E-13	0.573433	3.52E-42	0.616442	3.22E-50	0.535864	4.56E-36	0.40394	9.34E-20
1.97E-09	0.107531	0.02011	0.306547	1.28E-11	0.100414	0.03003	0.223123	1.11E-06
1.04E-31	0.580292	2.21E-43	0.662899	2.00E-60	0.548305	5.25E-38	0.599916	5.51E-47



2.65E-39	0.385101	5.87E-18	0.303359	2.13E-11	0.273597	1.84E-09	0.322566	9.07E-13
9.56E-24	0.451141	8.55E-25	0.407233	4.41E-20	0.405253	6.93E-20	0.572031	6.15E-42
1.42E-20	0.519708	1.15E-33	0.600105	5.07E-47	0.573916	2.91E-42	0.603999	9.11E-48
1.41E-27	0.258969	1.36E-08	0.329953	2.53E-13	0.213277	3.32E-06	0.275084	1.49E-09
3.65E-08	-0.03942	0.39536	-0.09517	0.03981	-0.09064	0.05028	-0.12414	0.00723
1.86E-08	0.419972	2.23E-21	0.448816	1.58E-24	0.368756	1.73E-16	0.424853	6.85E-22
1.77E-16	0.54592	1.25E-37	0.615341	5.36E-50	0.419116	2.73E-21	0.401225	1.72E-19
4.78E-25	0.36776	2.11E-16	0.312358	5.00E-12	0.185644	5.43E-05	0.305982	1.41E-11
7.01E-53	0.528657	5.56E-35	0.503296	2.34E-31	0.383438	8.35E-18	0.620863	4.07E-51
1.80E-16	0.556187	2.81E-39	0.533979	8.82E-36	0.531761	1.91E-35	0.637592	1.20E-54
1.14E-12	0.350536	6.01E-15	0.407229	4.41E-20	0.363051	5.38E-16	0.293162	1.04E-10
1.02E-06	-0.11852	0.01037	-0.03692	0.42608	-0.16757	0.00028	-0.18053	8.74E-05
7.65E-05	0.136549	0.00311	0.224736	9.27E-07	0.187645	4.49E-05	0.137226	0.00296
9.52E-27	0.592215	1.53E-45	0.580139	2.35E-43	0.600997	3.43E-47	0.590067	3.80E-45
7.97E-36	0.456796	1.88E-25	0.265335	5.77E-09	0.244634	8.60E-08	0.533378	1.09E-35
1.80E-11	0.498461	1.06E-30	0.404198	8.81E-20	0.482515	1.32E-28	0.451843	7.10E-25
1.72E-34	0.62674	2.47E-52	0.409461	2.64E-20	0.392827	1.11E-18	0.56853	2.45E-41
5.17E-24	0.315601	2.93E-12	0.428866	2.56E-22	0.321871	1.02E-12	0.490452	1.23E-29
0.13029	0.082955	0.0733	0.044306	0.3394	-0.0219	0.63694	0.059612	0.19847
3.80E-09	0.060964	0.18846	0.13442	0.00361	0.060269	0.19356	0.305133	1.61E-11
3.69E-34	0.043208	0.35151	0.199719	1.37E-05	0.009943	0.83032	0.425168	6.35E-22
6.18E-09	-0.20986	4.78E-06	0.046888	0.31196	-0.07945	0.08634	0.151667	0.00101
0.11122	-0.20456	8.35E-06	0.022008	0.63522	-0.10023	0.03034	-0.08973	0.05265
0.98883	0.167744	0.00027	0.096403	0.03729	0.193565	2.54E-05	0.152312	0.00096
0.00281	-0.0448	0.33407	0.110134	0.01727	-0.02206	0.63441	0.149248	0.00122
7.89E-09	0.073012	0.1151	0.314777	3.36E-12	0.202971	9.84E-06	0.243426	1.00E-07
0.01175	0.082264	0.07573	0.26707	4.55E-09	0.264688	6.30E-09	0.262194	8.83E-09
2.22E-09	0.00022	0.99622	0.195631	2.07E-05	-0.02046	0.65923	0.255265	2.21E-08
0.74877	-0.16481	0.00035	-0.00753	0.87114	-0.20488	8.08E-06	0.03134	0.49928
0.00027	0.041759	0.36791	0.217344	2.13E-06	0.208539	5.51E-06	0.220599	1.48E-06
2.78E-09	-0.07901	0.08811	0.117722	0.0109	0.048101	0.2996	0.103375	0.02549
2.17E-21	0.160657	0.00049	0.355825	2.19E-15	0.225826	8.19E-07	0.424157	8.11E-22
3.11E-06	0.065944	0.1548	0.243694	9.67E-08	0.085962	0.06344	0.196532	1.89E-05
0.35826	0.006506	0.88849	0.131304	0.00448	0.082949	0.07332	0.273074	1.98E-09
0.0069	-0.37845	2.38E-17	0.052276	0.25955	-0.1049	0.02339	-0.05034	0.27763
4.28E-18	-0.0352	0.44792	0.204121	8.74E-06	0.090322	0.0511	0.248487	5.30E-08
1.75E-15	-0.00609	0.89563	0.204999	7.98E-06	0.083645	0.07093	0.375271	4.59E-17
0.01119	0.087051	0.06015	0.384142	7.19E-18	0.290372	1.59E-10	0.3485	8.81E-15
1.55E-18	0.0469	0.31185	0.250156	4.28E-08	0.073245	0.11394	0.318354	1.85E-12
8.49E-10	0.179715	9.42E-05	0.350972	5.53E-15	0.239072	1.71E-07	0.399898	2.32E-19
4.53E-17	0.027799	0.54901	-0.20152	1.14E-05	-0.14026	0.00238	-0.36671	2.60E-16
0.00403	0.104978	0.02328	0.220901	1.43E-06	0.108933	0.01853	0.293223	1.03E-10
1.35E-06	-0.276	1.31E-09	-0.01633	0.72492	-0.09123	0.04881	-0.07533	0.104
0.08281	0.006512	0.88838	0.095199	0.03974	0.027042	0.55995	0.073205	0.11414
7.30E-09	0.021771	0.63888	0.06006	0.19511	-0.02737	0.55522	0.253362	2.83E-08

5.82E-34	0.151324	0.00104	0.237951	1.96E-07	0.141988	0.0021	0.495255	2.86E-30
4.10E-09	0.205821	7.33E-06	0.294469	8.53E-11	0.271253	2.55E-09	0.333064	1.46E-13
8.61E-29	0.141898	0.00211	0.32001	1.40E-12	0.153005	0.00091	0.36367	4.76E-16
4.29E-23	0.262718	8.23E-09	0.419086	2.75E-21	0.334251	1.19E-13	0.473242	1.94E-27
0.00033	0.233346	3.40E-07	0.210725	4.36E-06	0.245286	7.93E-08	0.27353	1.85E-09
0.10932	0.029066	0.53094	0.101032	0.02903	0.052188	0.26036	0.197882	1.65E-05
0.07339	0.219945	1.59E-06	0.203051	9.76E-06	0.208921	5.29E-06	0.217523	2.08E-06
0.01434	-0.10687	0.02089	0.052919	0.25374	-0.04022	0.38582	0.09109	0.04915
7.77E-11	-0.16113	0.00047	-0.01736	0.70824	-0.04886	0.29202	-0.15624	0.0007
2.41E-05	0.162078	0.00044	0.261197	1.01E-08	0.238618	1.81E-07	0.434318	6.60E-23
2.83E-32	0.347923	9.81E-15	0.370165	1.30E-16	0.267498	4.29E-09	0.416602	4.97E-21
2.14E-07	0.058815	0.20455	0.301252	2.98E-11	0.179932	9.23E-05	0.294778	8.14E-11
9.98E-24	-0.14402	0.00181	-0.20346	9.36E-06	-0.12414	0.00723	-0.33667	7.70E-14
0.00028	-0.05946	0.19959	0.189131	3.90E-05	0.13217	0.00422	0.271636	2.42E-09
4.77E-33	0.063253	0.17238	0.273476	1.87E-09	0.108022	0.01955	0.384265	7.01E-18
1.47E-12	0.261108	1.02E-08	0.398533	3.15E-19	0.25235	3.23E-08	0.399585	2.49E-19
3.21E-08	0.112511	0.01499	0.360727	8.49E-16	0.24338	1.01E-07	0.372867	7.51E-17
0.00222	-0.11595	0.01216	0.202285	1.06E-05	0.019208	0.67887	0.206056	7.15E-06
0.83024	0.125276	0.00671	0.228634	5.92E-07	0.171003	0.0002	0.191433	3.12E-05
6.09E-10	0.252661	3.10E-08	0.388109	3.08E-18	0.353494	3.43E-15	0.516791	3.01E-33
6.70E-09	0.371949	9.05E-17	0.38831	2.95E-18	0.313056	4.46E-12	0.35279	3.92E-15
1.74E-06	-0.30398	1.93E-11	-0.1305	0.00473	-0.05806	0.2104	-0.22894	5.71E-07
7.09E-13	0.127644	0.00574	0.305314	1.56E-11	0.200436	1.28E-05	0.33049	2.31E-13
2.45E-14	0.163265	0.0004	0.276502	1.22E-09	0.155598	0.00074	0.29409	9.04E-11
8.12E-31	0.111611	0.01582	0.239363	1.65E-07	0.126716	0.00611	0.318412	1.83E-12
5.73E-13	-0.11	0.0174	0.08865	0.05557	0.098618	0.03312	-0.01126	0.80817
0.66722	0.030035	0.51733	0.139682	0.00248	0.103622	0.02513	0.070908	0.12598
0.00979	0.06215	0.17999	0.106218	0.02169	0.024437	0.59836	0.099264	0.03198
0.0806	-0.03	0.51777	0.128057	0.00558	0.055774	0.22898	0.104843	0.02346
4.82E-06	-0.27715	1.11E-09	-0.06719	0.14714	-0.16472	0.00035	-0.20408	8.78E-06
0.50951	0.092856	0.0449	0.241642	1.25E-07	0.223719	1.04E-06	0.19474	2.26E-05
0.17868	-0.05183	0.26363	0.15483	0.00079	0.072324	0.11857	0.179536	9.57E-05
1.51E-06	0.0865	0.06179	0.325399	5.59E-13	0.221544	1.33E-06	0.337743	6.35E-14
0.79063	-0.07883	0.08884	-0.01438	0.75662	-0.12978	0.00497	0.052843	0.25442
1.62E-09	-0.07213	0.11959	0.164036	0.00037	-0.03021	0.51486	0.053574	0.2479
0.00022	0.178369	0.00011	0.389531	2.27E-18	0.293061	1.06E-10	0.415921	5.83E-21
2.68E-05	0.172748	0.00018	-0.13718	0.00297	-0.11499	0.0129	-0.23359	3.31E-07
3.25E-21	0.006595	0.88697	0.249906	4.42E-08	0.059552	0.19893	0.389329	2.37E-18
0.00247	0.015481	0.73863	0.29974	3.77E-11	0.262539	8.43E-09	0.14311	0.00193
0.12315	-0.15576	0.00073	0.136007	0.00323	0.002111	0.96371	-0.0204	0.66022
0.00177	0.169959	0.00022	0.187637	4.50E-05	0.147584	0.00138	0.222385	1.21E-06
0.08636	-0.27318	1.95E-09	-0.19773	1.68E-05	-0.2757	1.36E-09	-0.08146	0.07864
1.21E-05	0.022926	0.62119	-0.05645	0.22337	-0.04868	0.29386	-0.19763	1.69E-05
5.62E-22	0.04544	0.32717	0.185939	5.28E-05	0.0383	0.40894	0.30401	1.93E-11
0.01028	0.152155	0.00097	0.267213	4.46E-09	0.244335	8.93E-08	0.273383	1.89E-09

0.33908	-0.21143	4.05E-06	0.079463	0.08629	-0.0584	0.20779	0.032305	0.48616
0.00114	-0.11769	0.01092	0.159544	0.00054	-0.01969	0.67127	-0.012	0.79596
0.0003	0.137526	0.0029	0.320425	1.31E-12	0.228558	5.97E-07	0.308238	9.78E-12
1.24E-10	0.351601	4.91E-15	0.443091	7.05E-24	0.453327	4.78E-25	0.44969	1.26E-24
0.01907	-0.05159	0.26586	0.069725	0.13244	0.043116	0.35254	0.00663	0.88638
0.01045	0.104184	0.02435	0.097603	0.03498	-0.03582	0.43993	0.166199	0.00031
0.00015	-0.08677	0.06097	-0.05905	0.20278	-0.13896	0.00262	-0.20008	1.32E-05
0.00992	0.115638	0.0124	0.322972	8.47E-13	0.247964	5.66E-08	0.282072	5.44E-10
0.21117	0.10915	0.0183	0.295769	6.99E-11	0.325821	5.19E-13	0.276566	1.20E-09
1.15E-33	0.002571	0.95582	0.185901	5.30E-05	0.021287	0.64636	0.306472	1.30E-11
1.09E-09	-0.00775	0.86736	0.135726	0.00329	0.155498	0.00075	-0.07187	0.12092
0.00024	-0.19963	1.38E-05	0.046615	0.3148	-0.04655	0.31543	0.083287	0.07215
5.46E-17	0.222604	1.18E-06	0.353634	3.34E-15	0.18277	7.11E-05	0.342117	2.87E-14
7.40E-19	-0.11343	0.01419	0.103827	0.02485	-0.07332	0.11358	0.207832	5.93E-06
0.00151	-0.1708	0.00021	0.085014	0.06642	-0.04302	0.35366	0.260801	1.06E-08
0.00099	-0.06308	0.17355	0.15529	0.00076	0.077567	0.09408	0.299957	3.65E-11
0.78886	-0.1405	0.00234	0.024085	0.60365	-0.03645	0.43202	-0.00956	0.83684
0.02596	0.002352	0.95957	0.196535	1.89E-05	0.140002	0.00243	0.201038	1.20E-05
0.12473	-0.09135	0.0485	0.23978	1.57E-07	0.164072	0.00037	0.151716	0.00101
1.22E-08	0.047863	0.30201	0.289414	1.84E-10	0.14925	0.00122	0.21513	2.71E-06
0.22714	-0.26992	3.07E-09	-0.04212	0.36381	-0.14194	0.00211	-0.07373	0.11157
1.27E-09	-0.24073	1.40E-07	-0.03396	0.46409	-0.11186	0.01559	-0.11852	0.01037
0.05335	-0.14886	0.00125	0.145294	0.00164	-0.03588	0.43925	0.043022	0.35359
5.29E-07	-0.07408	0.10989	0.225964	8.06E-07	0.080158	0.08356	0.301968	2.66E-11
8.08E-05	0.338566	5.47E-14	0.293895	9.31E-11	0.23548	2.64E-07	0.268157	3.92E-09
4.84E-09	0.082785	0.07389	0.245701	7.53E-08	0.098746	0.03289	0.36679	2.56E-16
1.73E-06	0.01915	0.67979	0.213629	3.19E-06	0.096718	0.03667	0.225997	8.03E-07
3.54E-06	-0.0381	0.41137	0.097441	0.03528	-0.02075	0.65474	0.163281	0.0004
3.49E-06	-0.02029	0.66188	0.081594	0.07816	-0.00404	0.93062	0.123652	0.00747
5.35E-06	-0.06706	0.1479	0.029638	0.52288	-0.03653	0.43099	0.168484	0.00025
0.18937	-0.03336	0.47204	-0.02122	0.64735	0.016992	0.71418	-0.05749	0.21496
0.00659	-0.03766	0.41685	0.231241	4.36E-07	0.159169	0.00056	0.043078	0.35296
0.00046	0.069633	0.13295	0.203649	9.18E-06	0.053607	0.2476	0.162622	0.00042
0.00168	0.02304	0.61945	0.08188	0.07711	-0.0253	0.58553	0.002247	0.96137
0.89867	-0.1874	4.60E-05	0.076752	0.0976	-0.04978	0.28303	0.070457	0.12841
2.73E-06	-0.03247	0.48391	0.086833	0.06079	0.038195	0.41023	0.139247	0.00256
9.09E-10	0.006005	0.89702	0.225191	8.80E-07	0.064952	0.16111	0.296318	6.42E-11
1.60E-09	-0.05961	0.19852	0.173493	0.00016	0.01666	0.71953	0.131102	0.00454
5.27E-12	-0.10913	0.01832	-0.23833	1.87E-07	-0.18268	7.17E-05	-0.32413	6.95E-13
0.56825	-0.18514	5.69E-05	0.070032	0.13074	-0.01244	0.78859	0.001951	0.96646
2.68E-34	-0.16235	0.00043	-0.15697	0.00066	-0.04376	0.34538	-0.41432	8.51E-21
3.31E-11	0.093649	0.0431	0.299829	3.72E-11	0.193155	2.64E-05	0.286984	2.64E-10
5.32E-19	0.05665	0.22174	0.307012	1.19E-11	0.176229	0.00013	0.338378	5.66E-14
1.57E-28	0.282779	4.91E-10	0.372223	8.56E-17	0.292207	1.20E-10	0.364382	4.13E-16
0.00547	0.245227	7.99E-08	0.348003	9.66E-15	0.307644	1.08E-11	0.272545	2.13E-09

9.45E-16	0.107838	0.01976	0.254689	2.39E-08	0.120754	0.009	0.287881	2.31E-10
0.27825	0.035131	0.44882	0.080729	0.08138	0.069949	0.13119	0.067894	0.14293
1.34E-12	0.279582	7.81E-10	0.371261	1.04E-16	0.362631	5.84E-16	0.407201	4.44E-20
6.63E-22	0.284801	3.65E-10	0.389011	2.54E-18	0.281405	6.00E-10	0.497045	1.65E-30
1.41E-06	0.237938	1.96E-07	0.397462	4.00E-19	0.315781	2.84E-12	0.344231	1.95E-14
0.0418	0.056902	0.21969	0.228444	6.05E-07	0.248324	5.41E-08	0.080612	0.08182
0.07703	0.144824	0.0017	0.325322	5.66E-13	0.270038	3.02E-09	0.20603	7.17E-06
0.00016	0.197954	1.64E-05	0.417815	3.72E-21	0.402885	1.19E-19	0.358924	1.21E-15
5.67E-29	0.265587	5.58E-09	0.394307	8.02E-19	0.226027	8.00E-07	0.44154	1.05E-23
0.40009	0.191469	3.11E-05	0.236194	2.42E-07	0.279809	7.56E-10	0.076733	0.09768
0.00234	-0.13688	0.00304	0.12373	0.00743	0.041965	0.36555	0.268562	3.71E-09
0.22013	-0.06085	0.18932	0.076737	0.09766	0.095333	0.03946	0.189846	3.64E-05
2.36E-10	0.169406	0.00024	0.273972	1.74E-09	0.218831	1.80E-06	0.359609	1.06E-15
0.00025	0.193879	2.46E-05	0.374994	4.86E-17	0.355328	2.41E-15	0.289957	1.69E-10
0.00113	-0.04331	0.35034	0.204492	8.41E-06	0.152706	0.00093	0.274157	1.70E-09
0.47344	-0.32219	9.67E-13	-0.11416	0.01357	-0.23694	2.21E-07	-0.01233	0.7905
9.09E-19	0.09654	0.03702	-0.05324	0.25085	-0.04399	0.34282	-0.22879	5.81E-07
0.6352	0.103416	0.02543	0.257505	1.65E-08	0.285464	3.31E-10	0.183257	6.79E-05
2.66E-08	-0.06187	0.18195	0.06627	0.15276	0.123121	0.00773	0.011496	0.80432
0.05693	-0.10268	0.02649	0.068496	0.13941	-0.00211	0.96366	0.092813	0.045
4.84E-26	0.215992	2.47E-06	0.412115	1.42E-20	0.309201	8.37E-12	0.402756	1.22E-19
0.89853	-0.08382	0.07033	0.121255	0.00872	0.16832	0.00026	0.127642	0.00574
0.56078	0.095791	0.03852	0.186691	4.92E-05	0.087894	0.0577	0.099513	0.03155
2.10E-15	-0.00769	0.86838	0.156999	0.00066	0.031868	0.49208	0.280577	6.77E-10
1.08E-14	-0.05649	0.22305	0.200844	1.22E-05	0.061717	0.18305	0.365843	3.09E-16
0.03852	-0.11059	0.01681	0.099813	0.03104	0.063515	0.1706	0.117124	0.01131
0.00013	-0.0999	0.03088	0.185782	5.36E-05	0.048259	0.29802	0.141615	0.00216
0.01965	0.087582	0.0586	0.214199	3.00E-06	0.108946	0.01852	0.063209	0.17268
6.77E-29	0.242663	1.10E-07	0.296483	6.26E-11	0.166421	0.0003	0.408475	3.31E-20
1.43E-11	0.081844	0.07725	0.177441	0.00012	0.072047	0.11999	0.176882	0.00012
0.00064	-0.29676	6.00E-11	0.056303	0.22458	-0.13179	0.00433	0.022349	0.62999
2.96E-05	-0.03091	0.50515	0.240534	1.43E-07	0.128515	0.00541	0.278114	9.65E-10
0.00019	-0.00245	0.95791	0.23896	1.73E-07	0.186932	4.81E-05	0.32447	6.55E-13
5.92E-09	-0.07803	0.09214	0.100636	0.02967	0.007645	0.86913	0.28302	4.74E-10
1.35E-12	0.265909	5.34E-09	0.25917	1.32E-08	0.141982	0.0021	0.352761	3.94E-15
0.51396	-0.07449	0.10793	0.131074	0.00455	0.088011	0.05736	0.043484	0.34843
3.75E-07	-0.01817	0.69535	0.083157	0.0726	0.039294	0.39688	0.1745	0.00015
1.46E-32	-0.14224	0.00206	-0.26974	3.15E-09	-0.19379	2.48E-05	-0.43112	1.47E-22
0.27744	-0.22134	1.36E-06	0.103834	0.02484	0.033561	0.46936	0.151402	0.00103
8.98E-15	0.416615	4.95E-21	0.41123	1.75E-20	0.37217	8.65E-17	0.48717	3.31E-29
0.00192	0.125344	0.00668	0.274696	1.57E-09	0.249184	4.85E-08	0.204896	8.07E-06
0.29885	0.091757	0.04751	0.127146	0.00593	0.079186	0.08739	0.176389	0.00013
0.00495	0.254423	2.47E-08	0.244608	8.63E-08	0.391404	1.51E-18	0.167199	0.00028
0.06586	-0.00955	0.83685	0.18694	4.81E-05	0.076447	0.09894	0.204558	8.35E-06
3.48E-05	0.055989	0.22719	0.312997	4.50E-12	0.287979	2.28E-10	0.352754	3.95E-15

4.33E-11	0.041184	0.37455	0.185159	5.69E-05	0.084565	0.06787	0.388939	2.58E-18
5.80E-07	0.076268	0.09973	0.149672	0.00118	0.081382	0.07894	0.249835	4.46E-08
8.22E-05	-0.03412	0.46204	0.188264	4.24E-05	0.075458	0.1034	0.153552	0.00087
4.28E-21	0.263776	7.13E-09	0.362375	6.14E-16	0.258837	1.38E-08	0.372123	8.74E-17
0.16285	-0.08092	0.08067	0.164256	0.00036	0.130164	0.00484	0.098082	0.03409
1.42E-15	0.065297	0.1589	0.215489	2.61E-06	0.125984	0.00641	0.413121	1.13E-20
9.06E-46	0.176335	0.00013	0.184087	6.29E-05	0.047295	0.30778	0.34931	7.56E-15
0.00841	0.000827	0.98578	0.143335	0.0019	0.184598	5.99E-05	0.056443	0.22343
0.00065	-0.0563	0.22463	0.214528	2.89E-06	0.099529	0.03152	0.129742	0.00498
5.87E-13	0.02998	0.5181	0.294242	8.83E-11	0.177233	0.00012	0.340072	4.17E-14
3.42E-09	0.017426	0.70721	0.035441	0.44482	-0.02763	0.55141	0.221933	1.27E-06
4.73E-06	0.101391	0.02846	0.215954	2.48E-06	0.094347	0.04156	0.25307	2.94E-08
7.50E-06	0.203669	9.16E-06	0.30347	2.10E-11	0.234855	2.84E-07	0.308688	9.09E-12
0.90255	-0.05622	0.22528	0.128855	0.00529	0.033878	0.46518	0.06739	0.14593
8.08E-05	0.091186	0.04891	0.288338	2.16E-10	0.256837	1.80E-08	0.32825	3.41E-13
2.49E-21	0.435703	4.66E-23	0.483238	1.07E-28	0.387594	3.44E-18	0.506861	7.55E-32
0.23218	-0.04695	0.31136	0.141945	0.00211	0.090698	0.05014	0.059704	0.19778
0.00534	0.075618	0.10266	0.183437	6.68E-05	0.07975	0.08516	0.204187	8.68E-06
0.01803	0.160404	0.0005	0.2396	1.60E-07	0.367334	2.30E-16	0.145109	0.00167
2.31E-05	0.301079	3.06E-11	0.337102	7.13E-14	0.297584	5.28E-11	0.394152	8.30E-19
5.37E-14	0.030846	0.50608	0.189563	3.74E-05	0.077447	0.09459	0.284362	3.89E-10
0.00396	0.114187	0.01355	0.301694	2.78E-11	0.205785	7.35E-06	0.280378	6.96E-10
2.71E-06	-0.00385	0.93381	0.317862	2.01E-12	0.188478	4.15E-05	0.319904	1.43E-12
4.19E-10	0.159223	0.00055	0.306229	1.35E-11	0.237854	1.98E-07	0.342981	2.45E-14
0.11044	-0.10599	0.02198	0.18314	6.87E-05	0.130838	0.00463	0.119498	0.00975
4.48E-13	0.040875	0.37815	0.185296	5.61E-05	0.080125	0.08369	0.464839	2.07E-26
0.032	0.094253	0.04176	0.14911	0.00123	0.081058	0.08014	0.239623	1.60E-07
2.05E-05	-0.28971	1.76E-10	0.030144	0.51581	0.100784	0.02943	-0.01426	0.75853
0.00054	-0.19394	2.44E-05	0.116673	0.01163	0.090248	0.05129	-0.03725	0.4219
0.35434	-0.25172	3.50E-08	0.005421	0.90699	-0.09299	0.04459	-0.01454	0.75392
4.18E-18	-0.13298	0.00399	-0.0109	0.81421	-0.1567	0.00068	0.131144	0.00453
2.78E-17	0.069741	0.13235	0.283036	4.73E-10	0.182279	7.44E-05	0.424069	8.29E-22
0.47371	-0.10439	0.02407	0.082374	0.07534	-0.02272	0.62428	-0.03077	0.50719
0.74453	-0.02853	0.53851	0.065514	0.15751	0.088575	0.05578	0.158714	0.00058
2.87E-06	0.213254	3.32E-06	0.253754	2.69E-08	0.188213	4.26E-05	0.302409	2.48E-11
0.86956	0.008808	0.84943	0.104881	0.02341	0.038813	0.40269	0.083497	0.07143
0.20383	-0.16957	0.00023	0.053144	0.25172	-0.01322	0.7757	0.127004	0.00599
1.60E-05	0.207239	6.31E-06	0.363042	5.39E-16	0.279791	7.58E-10	0.281722	5.73E-10
1.56E-33	0.19901	1.47E-05	0.370621	1.19E-16	0.145774	0.00159	0.372429	8.21E-17
2.92E-07	0.195254	2.15E-05	0.339033	5.03E-14	0.263495	7.41E-09	0.368897	1.68E-16
0.8454	0.10134	0.02854	0.270848	2.70E-09	0.251783	3.48E-08	0.223328	1.09E-06
2.76E-10	-0.00151	0.97411	0.191214	3.19E-05	0.047524	0.30544	0.341007	3.52E-14
0.00138	0.021889	0.63707	0.20962	4.91E-06	0.147973	0.00134	0.245766	7.47E-08
9.24E-08	-0.01227	0.79144	0.097128	0.03588	-0.05416	0.24278	0.21537	2.64E-06
2.60E-25	0.00396	0.93199	0.105929	0.02205	-0.11726	0.01121	0.301704	2.77E-11

8.83E-08	-0.04544	0.32716	0.15189	0.00099	0.010502	0.82093	0.076266	0.09974
5.49E-21	0.147422	0.0014	0.363076	5.35E-16	0.302407	2.48E-11	0.449157	1.45E-24
0.12431	-0.10721	0.02049	0.051564	0.26611	0.024667	0.59493	0.082151	0.07614
2.97E-25	0.120586	0.0091	0.189722	3.68E-05	0.029921	0.51892	0.377965	2.63E-17
8.76E-05	-0.16581	0.00032	0.190614	3.38E-05	0.06443	0.16451	0.097646	0.0349
5.31E-13	-0.01749	0.70625	0.067844	0.14323	-0.09237	0.04605	0.258309	1.48E-08
0.00017	0.028056	0.54531	0.149605	0.00118	0.126532	0.00618	0.187509	4.55E-05
8.18E-15	-0.08388	0.07013	0.085049	0.06631	-0.00422	0.92747	0.342269	2.79E-14
2.72E-10	0.174562	0.00015	0.290026	1.67E-10	0.20295	9.86E-06	0.24498	8.24E-08
3.90E-07	-0.1715	0.0002	0.115776	0.01229	-0.06633	0.15238	0.075102	0.10504
0.00082	0.027308	0.55609	0.175397	0.00014	0.132602	0.0041	0.186505	5.01E-05
0.01378	0.025157	0.58763	0.251857	3.44E-08	0.217763	2.03E-06	0.261754	9.37E-09
0.12418	-0.02097	0.65124	0.064771	0.16229	-0.01557	0.73719	-0.02323	0.61653
2.81E-05	-0.01494	0.74737	0.098738	0.0329	-0.01338	0.77311	-0.07136	0.12357
2.72E-08	-0.05139	0.26776	0.207832	5.93E-06	0.094583	0.04105	0.111118	0.01629
0.0113	0.048774	0.29288	0.086987	0.06034	0.105485	0.02262	-0.00016	0.99726
0.00771	0.05927	0.20106	0.174873	0.00015	0.044808	0.33394	-0.02256	0.62674
0.01075	-0.03151	0.49699	0.131802	0.00433	0.050674	0.27446	0.122102	0.00825
1.33E-26	0.080001	0.08417	0.244239	9.04E-08	0.041796	0.36749	0.276725	1.18E-09
8.96E-08	0.006604	0.88682	0.172103	0.00019	0.096153	0.03779	0.372811	7.60E-17
7.91E-05	0.041506	0.37082	0.228928	5.72E-07	0.128822	0.0053	0.297854	5.06E-11
0.57143	-0.09534	0.03944	0.177679	0.00011	0.043584	0.34733	0.146677	0.00148
0.2181	-0.153	0.00091	0.070375	0.12886	-0.00901	0.84608	0.083392	0.07179
6.12E-39	0.056411	0.22369	0.187899	4.39E-05	0.025148	0.58777	0.412632	1.26E-20
9.35E-09	0.215038	2.74E-06	0.3687	1.75E-16	0.253603	2.75E-08	0.295488	7.29E-11
0.03831	-0.23202	3.98E-07	-0.05617	0.22569	-0.16719	0.00028	0.12453	0.00705
0.00037	0.093511	0.0434	0.145747	0.00159	0.180128	9.07E-05	0.058992	0.20319
4.51E-08	0.151526	0.00102	0.260989	1.04E-08	0.180504	8.76E-05	0.484986	6.35E-29
1.27E-20	0.215209	2.69E-06	0.352282	4.32E-15	0.267602	4.23E-09	0.393297	1.00E-18
4.87E-07	-0.08541	0.06516	0.101313	0.02859	-0.00125	0.97859	0.19548	2.10E-05
1.15E-07	-0.11229	0.01519	0.10886	0.01861	0.137355	0.00294	-0.09639	0.03732
1.66E-05	-0.1624	0.00043	0.043702	0.34603	-0.00445	0.92357	0.172845	0.00017
4.35E-05	-0.0384	0.40774	0.202492	1.03E-05	0.116184	0.01199	0.25513	2.25E-08
1.41E-07	-0.19137	3.14E-05	0.123697	0.00745	-0.01859	0.6887	0.143737	0.00185
0.21055	-0.05275	0.25524	0.223103	1.12E-06	0.166832	0.00029	0.212499	3.61E-06
0.06488	-0.0536	0.24764	0.030729	0.50769	-0.03089	0.50544	0.096019	0.03806
1.18E-11	-0.27794	9.89E-10	-0.08493	0.0667	-0.17229	0.00018	-0.19068	3.36E-05
1.70E-08	0.028762	0.53525	0.000754	0.98703	0.038283	0.40915	-0.03632	0.43361
1.64E-23	0.058848	0.20429	0.201428	1.15E-05	0.093743	0.04289	0.366457	2.74E-16
1.31E-06	-0.08873	0.05535	0.225966	8.05E-07	0.046509	0.3159	0.15648	0.00069
0.00035	-0.01261	0.78573	0.127981	0.00561	0.036889	0.42643	0.202088	1.08E-05
0.82082	0.04743	0.30641	0.254156	2.56E-08	0.191825	3.00E-05	0.203973	8.88E-06
5.57E-05	-0.05832	0.20837	0.218456	1.88E-06	0.105377	0.02276	0.264757	6.24E-09
0.08899	0.096951	0.03622	0.170849	0.00021	0.136163	0.00319	0.176488	0.00013
5.22E-06	0.224646	9.37E-07	0.363681	4.75E-16	0.243654	9.72E-08	0.440244	1.47E-23

0.54647	0.07495	0.10574	0.212701	3.53E-06	0.0976	0.03499	0.291789	1.28E-10
0.00058	0.12611	0.00636	0.140515	0.00234	0.0412	0.37436	0.168739	0.00025
0.0001	-0.11271	0.01482	0.11715	0.01129	-0.02915	0.52969	0.108096	0.01946
3.64E-14	0.320912	1.20E-12	0.437078	3.29E-23	0.343569	2.20E-14	0.437472	2.98E-23
7.91E-05	-0.00233	0.9599	0.237141	2.16E-07	0.108782	0.0187	0.239868	1.55E-07
0.01906	-0.17677	0.00012	0.106413	0.02145	-0.00062	0.98934	0.136676	0.00308
0.00199	0.03286	0.4787	0.249904	4.42E-08	0.214932	2.77E-06	0.225477	8.52E-07
0.21457	0.061247	0.18642	0.351412	5.09E-15	0.1766	0.00012	0.244212	9.07E-08
2.95E-11	0.118268	0.01053	0.370246	1.28E-16	0.255889	2.04E-08	0.402252	1.37E-19
0.77417	-0.19884	1.50E-05	0.05083	0.27299	-0.02544	0.58337	0.04821	0.2985
1.27E-18	0.058562	0.20651	0.188393	4.18E-05	0.055322	0.23278	0.354319	2.93E-15
7.44E-20	-0.01386	0.76514	0.193982	2.43E-05	0.020722	0.65512	0.365303	3.44E-16
0.20366	-0.14431	0.00177	0.018182	0.69513	-0.07556	0.10292	0.058884	0.20402
6.02E-25	0.068252	0.14083	0.25219	3.30E-08	0.144334	0.00177	0.346485	1.28E-14
9.90E-13	0.249994	4.37E-08	0.384633	6.48E-18	0.286927	2.66E-10	0.472785	2.21E-27
6.06E-12	-0.15764	0.00063	-0.02394	0.60581	-0.15677	0.00067	0.215195	2.69E-06
0.11169	-0.32122	1.14E-12	-0.03713	0.42338	-0.17119	0.0002	0.058847	0.2043
0.20408	-0.11447	0.01332	0.037823	0.4148	-0.02913	0.53007	0.209143	5.16E-06
0.0023	-0.24927	4.80E-08	0.044351	0.33891	-0.06177	0.18269	0.087223	0.05964
9.70E-10	0.07715	0.09587	0.26594	5.31E-09	0.13791	0.00282	0.258939	1.36E-08
3.02E-10	0.211346	4.08E-06	0.265716	5.48E-09	0.096672	0.03676	0.199248	1.44E-05
3.04E-06	-0.02092	0.65206	0.244371	8.89E-08	0.170604	0.00021	0.210002	4.71E-06
0.0013	-0.02438	0.59917	0.20599	7.20E-06	0.11683	0.01152	0.271117	2.60E-09
0.287	0.056561	0.22247	0.232963	3.56E-07	0.143602	0.00186	0.193389	2.58E-05
0.00349	0.073542	0.11248	0.284581	3.77E-10	0.154377	0.00082	0.191804	3.01E-05
9.92E-21	0.260713	1.08E-08	0.391866	1.37E-18	0.347679	1.03E-14	0.537734	2.36E-36
2.12E-20	-0.16355	0.00039	0.011766	0.79981	-0.14991	0.00116	0.286023	3.05E-10
4.79E-36	0.138143	0.00277	0.215509	2.60E-06	0.130453	0.00475	0.476166	8.39E-28
5.29E-05	-0.0975	0.03518	0.039744	0.3915	0.032891	0.47828	0.000602	0.98965
0.022	0.040314	0.38473	0.277893	9.96E-10	0.232301	3.85E-07	0.257429	1.67E-08
2.46E-07	0.03256	0.48273	0.200982	1.21E-05	0.082665	0.07431	0.296076	6.66E-11
0.00124	-0.23659	2.31E-07	0.006649	0.88606	-0.0738	0.11122	0.101206	0.02875
0.27306	0.1129	0.01464	0.246844	6.52E-08	0.249109	4.89E-08	0.141061	0.00225
0.00692	0.083366	0.07188	0.272117	2.26E-09	0.150772	0.00108	0.332509	1.62E-13
5.11E-07	0.047715	0.3035	0.245628	7.60E-08	0.186041	5.23E-05	0.281709	5.74E-10
0.07135	0.195066	2.19E-05	0.21101	4.23E-06	0.228849	5.77E-07	0.285344	3.37E-10
0.00493	-0.09796	0.03431	0.145452	0.00162	0.045956	0.32169	0.10011	0.03054
0.02106	-0.13085	0.00462	0.110148	0.01726	0.168102	0.00026	0.009787	0.83293
0.50822	-0.01831	0.69309	0.203331	9.49E-06	0.130908	0.0046	0.247068	6.34E-08
0.08182	-0.08752	0.05877	0.068022	0.14218	-0.00834	0.85741	-0.03452	0.45674
4.85E-17	-0.37702	3.20E-17	-0.13626	0.00317	-0.20639	6.90E-06	-0.21325	3.33E-06
0.67563	0.126233	0.0063	0.224054	1.00E-06	0.283613	4.34E-10	0.139639	0.00249
4.20E-20	-0.01904	0.68156	0.159761	0.00053	0.032489	0.48368	0.237543	2.06E-07
6.15E-19	0.072723	0.11655	0.27849	9.15E-10	0.169343	0.00024	0.464472	2.29E-26
0.55541	0.010878	0.81464	0.166119	0.00031	0.108316	0.01921	0.180247	8.97E-05

1.97E-06	0.169979	0.00022	0.279203	8.25E-10	0.240296	1.47E-07	0.324587	6.42E-13
0.86989	-0.3358	9.01E-14	-0.01294	0.78037	-0.15039	0.00111	-0.01846	0.69066
1.32E-18	-0.12988	0.00494	-0.0262	0.57227	0.030543	0.51027	-0.18942	3.79E-05
0.0009	0.153366	0.00088	0.297072	5.71E-11	0.196462	1.90E-05	0.247661	5.88E-08
0.06511	0.122013	0.0083	0.336903	7.39E-14	0.193747	2.49E-05	0.244181	9.10E-08
3.76E-05	-0.01666	0.71951	0.290825	1.48E-10	0.195283	2.14E-05	0.287945	2.29E-10
0.82515	-0.04688	0.31207	0.229733	5.21E-07	0.155901	0.00072	0.154919	0.00078
1.08E-07	-0.02059	0.65715	0.183798	6.46E-05	0.094225	0.04182	0.179613	9.51E-05
8.41E-05	-0.09485	0.04047	-0.05363	0.24737	-0.14905	0.00124	-0.00884	0.84898
2.48E-24	0.06955	0.13341	0.156867	0.00067	-0.02805	0.54541	0.258697	1.41E-08
4.54E-08	0.199882	1.35E-05	0.316136	2.68E-12	0.254244	2.53E-08	0.384865	6.17E-18
2.96E-12	0.084944	0.06664	0.347696	1.02E-14	0.245501	7.72E-08	0.334271	1.18E-13
1.25E-08	0.264416	6.54E-09	0.400749	1.92E-19	0.312321	5.03E-12	0.285666	3.21E-10
0.39901	-0.03186	0.49217	0.225172	8.82E-07	0.203798	9.04E-06	0.154129	0.00083
6.67E-09	0.112393	0.0151	0.299213	4.10E-11	0.206282	6.98E-06	0.358446	1.32E-15
0.31648	0.197587	1.70E-05	0.297647	5.23E-11	0.366093	2.94E-16	0.312057	5.25E-12
0.07378	0.2091	5.19E-06	0.307074	1.18E-11	0.365034	3.63E-16	0.211312	4.10E-06
5.63E-09	-0.08348	0.0715	0.2167	2.28E-06	0.073866	0.1109	0.267366	4.37E-09
1.67E-11	0.268284	3.85E-09	0.452185	6.48E-25	0.36021	9.39E-16	0.464049	2.58E-26
0.42175	0.027121	0.5588	0.120286	0.00927	0.164897	0.00035	0.166323	0.00031
0.20202	-0.12301	0.00779	0.17846	0.00011	0.101378	0.02848	0.171452	0.0002
1.47E-12	0.131019	0.00457	0.324169	6.90E-13	0.227632	6.65E-07	0.374397	5.49E-17
1.68E-08	0.308048	1.01E-11	0.322987	8.45E-13	0.232878	3.60E-07	0.326597	4.54E-13
0.0646	0.191332	3.15E-05	0.420406	2.01E-21	0.323098	8.29E-13	0.221838	1.29E-06
0.01994	-0.11315	0.01443	0.052036	0.26176	-0.06881	0.13758	-0.06792	0.14279
9.22E-05	-0.12532	0.00669	0.127199	0.00591	-0.0454	0.32761	0.220318	1.53E-06
0.02241	0.237792	2.00E-07	0.369106	1.61E-16	0.316269	2.62E-12	0.339652	4.50E-14
6.27E-33	0.062645	0.17655	0.201567	1.14E-05	0.032202	0.48755	0.382013	1.13E-17
0.11996	-0.13639	0.00314	-0.01867	0.68746	-0.11858	0.01033	-0.06949	0.13372
3.31E-08	0.088563	0.05581	0.214684	2.85E-06	0.119689	0.00963	0.272826	2.05E-09
0.65771	-0.05675	0.2209	0.07126	0.12411	0.007247	0.87588	0.007919	0.86448
8.26E-05	-0.0687	0.13825	0.169584	0.00023	0.036444	0.43203	0.150262	0.00113
1.58E-12	0.069675	0.13272	0.298956	4.26E-11	0.190789	3.32E-05	0.354715	2.71E-15
5.54E-06	-0.04111	0.3754	0.163234	0.0004	0.033447	0.47088	0.221183	1.39E-06
0.11957	0.351688	4.83E-15	0.244101	9.19E-08	0.308923	8.75E-12	0.164828	0.00035
2.45E-06	-0.06094	0.18867	0.191003	3.25E-05	0.036471	0.4317	0.224442	9.59E-07
0.00073	-0.11832	0.0105	0.054159	0.24276	-0.07307	0.1148	0.170038	0.00022
0.00011	-0.26275	8.20E-09	0.096033	0.03803	-0.05264	0.25622	0.017594	0.70453
0.00567	-0.20341	9.41E-06	0.065006	0.16076	0.006363	0.89092	0.130126	0.00486
0.24175	-0.034	0.4636	0.0829	0.07349	-0.0211	0.64926	0.101637	0.02808
7.00E-25	-0.06636	0.15223	-0.03232	0.48596	-0.2036	9.22E-06	0.255885	2.04E-08
0.88747	0.038684	0.40426	0.139909	0.00244	0.066981	0.1484	0.238912	1.74E-07
2.34E-18	0.1374	0.00293	0.277569	1.04E-09	0.146384	0.00151	0.332513	1.61E-13
5.94E-65	0.29069	1.52E-10	0.310559	6.71E-12	0.15565	0.00074	0.506623	8.14E-32
1.08E-05	0.057827	0.21227	0.287875	2.31E-10	0.177609	0.00011	0.334936	1.05E-13



0.0347	-0.18728	4.65E-05	-0.0201	0.66492	-0.03043	0.51188	-0.09787	0.03448
0.9049	0.118386	0.01045	0.232762	3.65E-07	0.212682	3.54E-06	0.153671	0.00086
0.55254	-0.29775	5.15E-11	-0.14327	0.00191	-0.24203	1.19E-07	-0.04044	0.38322
0.13688	0.194244	2.37E-05	0.341461	3.24E-14	0.383743	7.83E-18	0.292683	1.12E-10
8.33E-05	-0.11156	0.01587	-0.00407	0.93017	-0.13905	0.0026	0.082579	0.07462
0.08277	-0.11047	0.01693	0.07593	0.10125	0.001789	0.96925	0.030809	0.50659
3.98E-07	-0.10447	0.02395	0.148843	0.00126	-0.00167	0.97134	0.325687	5.31E-13
0.0479	-0.02513	0.58798	0.02675	0.56419	-0.00266	0.95422	-0.03991	0.38949
8.42E-20	0.315042	3.21E-12	0.394146	8.31E-19	0.319891	1.43E-12	0.471116	3.55E-27
6.37E-10	0.067316	0.14637	0.234608	2.93E-07	0.157633	0.00063	0.340188	4.08E-14
1.94E-05	0.017788	0.70142	0.155667	0.00074	0.082479	0.07497	0.066263	0.15281
0.00376	0.155462	0.00075	0.330568	2.27E-13	0.318253	1.88E-12	0.230028	5.03E-07
2.15E-18	0.010924	0.81386	0.146422	0.00151	0.058599	0.20622	0.196854	1.83E-05
6.41E-16	0.145549	0.00161	0.304088	1.90E-11	0.205154	7.85E-06	0.324899	6.09E-13
0.76461	-0.07011	0.13028	0.179472	9.63E-05	0.070707	0.12706	0.109251	0.01819
0.00027	0.052202	0.26023	0.281088	6.28E-10	0.202739	1.01E-05	0.274637	1.58E-09
2.28E-06	-0.22303	1.13E-06	-0.1979	1.65E-05	-0.20042	1.28E-05	-0.26485	6.17E-09
2.32E-12	0.15041	0.00111	0.324087	7.00E-13	0.219176	1.74E-06	0.424264	7.91E-22
1.22E-07	-0.00027	0.99538	0.040697	0.38023	-0.06446	0.1643	0.178132	0.00011
2.31E-05	-0.3832	8.78E-18	-0.02952	0.5246	-0.13791	0.00282	-0.21012	4.65E-06
2.14E-06	0.206002	7.19E-06	0.313333	4.26E-12	0.206982	6.49E-06	0.305122	1.61E-11
8.05E-05	0.1014	0.02845	0.311958	5.34E-12	0.265783	5.43E-09	0.215433	2.62E-06
3.57E-20	-0.00337	0.94217	-0.13382	0.00377	-0.09308	0.04437	-0.32826	3.40E-13
0.08754	-0.38596	4.89E-18	-0.06544	0.15798	-0.2516	3.56E-08	-0.04368	0.34624
0.27655	0.03097	0.50437	0.197686	1.68E-05	0.050351	0.27754	0.147185	0.00142
0.15875	-0.28258	5.06E-10	0.012718	0.784	-0.10295	0.0261	-0.04918	0.28892
0.00623	0.011201	0.80923	0.170718	0.00021	0.102013	0.0275	0.133159	0.00394
8.38E-14	-0.15967	0.00053	0.082938	0.07336	-0.11677	0.01156	0.125755	0.00651
1.01E-12	0.156964	0.00066	0.357557	1.57E-15	0.201106	1.19E-05	0.339112	4.96E-14
3.57E-07	-0.33185	1.81E-13	-0.10654	0.02129	-0.16245	0.00042	-0.15199	0.00098
5.27E-05	0.385335	5.58E-18	0.529727	3.85E-35	0.518747	1.58E-33	0.505449	1.18E-31
7.67E-06	0.189875	3.63E-05	0.340893	3.59E-14	0.218572	1.86E-06	0.275727	1.36E-09
5.01E-06	1.46E-05	0.99975	0.248502	5.29E-08	0.105752	0.02228	0.18395	6.37E-05
5.86E-11	0.268391	3.79E-09	0.34528	1.60E-14	0.30215	2.58E-11	0.324414	6.62E-13
1.97E-05	0.025712	0.57942	0.069975	0.13105	0.058088	0.21021	-0.0986	0.03315
1.56E-08	0.047363	0.30708	0.268993	3.49E-09	0.235679	2.57E-07	0.310309	6.99E-12
0.55084	-0.03482	0.45284	0.234018	3.14E-07	0.191678	3.05E-05	0.263614	7.29E-09
8.97E-05	-0.06022	0.19391	0.174129	0.00016	0.037662	0.4168	0.181475	8.01E-05
0.00052	0.185818	5.34E-05	0.369021	1.64E-16	0.258052	1.53E-08	0.372009	8.94E-17
0.81253	0.202559	1.03E-05	0.398078	3.49E-19	0.286348	2.90E-10	0.434732	5.95E-23
0.27234	0.006369	0.89082	0.204434	8.46E-06	0.082038	0.07655	0.020341	0.66107
1.40E-05	-0.02022	0.66293	0.152763	0.00093	0.089128	0.05426	0.193106	2.65E-05
0.82277	0.07257	0.11732	0.237195	2.15E-07	0.239514	1.62E-07	0.214229	2.99E-06
0.70008	-0.19163	3.06E-05	0.060471	0.19207	-0.05708	0.21821	0.114047	0.01366
3.08E-09	-0.06718	0.14722	0.074164	0.10947	-0.07633	0.09944	0.291357	1.37E-10

0.06436	0.073901	0.11073	0.204412	8.48E-06	0.104607	0.02378	0.097139	0.03586
0.04676	0.271966	2.31E-09	0.430323	1.79E-22	0.392809	1.11E-18	0.354653	2.75E-15
5.68E-05	-0.22839	6.09E-07	0.02321	0.61687	-0.11401	0.01369	-0.06528	0.15899
0.00294	0.083683	0.07081	0.15663	0.00068	0.074823	0.10634	0.222765	1.16E-06
1.40E-11	0.149979	0.00115	0.271676	2.40E-09	0.209124	5.17E-06	0.272229	2.23E-09
2.21E-05	0.160389	0.0005	0.082677	0.07427	0.120161	0.00934	0.145565	0.00161
0.40611	0.181852	7.74E-05	0.161383	0.00046	0.312712	4.72E-12	0.205808	7.34E-06
0.81438	-0.08077	0.08122	-0.01785	0.70047	0.010313	0.82411	-0.00704	0.87947
3.53E-10	-0.14847	0.00129	-0.05319	0.25127	0.018845	0.6846	-0.21897	1.78E-06
0.35323	-0.00128	0.97798	0.122199	0.0082	0.12022	0.00931	0.03716	0.42304
4.45E-10	0.251491	3.61E-08	0.341177	3.41E-14	0.311533	5.72E-12	0.264832	6.18E-09
8.84E-08	-0.19884	1.50E-05	-0.12873	0.00533	-0.1122	0.01527	-0.19756	1.71E-05
0.65129	0.007723	0.8678	0.062583	0.17698	0.076556	0.09846	0.105465	0.02264
0.00066	-0.09527	0.0396	-0.0356	0.44277	0.010079	0.82802	-0.17395	0.00016
1.17E-06	0.161349	0.00046	0.232193	3.90E-07	0.205499	7.58E-06	0.152498	0.00095
0.10366	-0.01313	0.77723	-0.04422	0.34032	0.008484	0.85491	0.051361	0.268
0.0017	0.136019	0.00323	0.06646	0.15159	0.077281	0.0953	0.206734	6.66E-06
6.90E-07	0.044013	0.3426	0.117986	0.01072	0.085067	0.06625	0.103268	0.02564
0.19583	-0.14817	0.00132	-0.07922	0.08726	-0.09041	0.05087	-0.07244	0.11801
0.0385	-0.06353	0.1705	0.045964	0.32161	-0.0012	0.97938	0.063894	0.16806
0.00026	0.033754	0.46681	0.118313	0.0105	0.113512	0.01411	0.105867	0.02213
0.0004	0.15419	0.00083	0.086308	0.06238	0.127889	0.00565	0.303561	2.07E-11
0.15096	-0.01833	0.69285	0.003924	0.93261	0.041795	0.3675	0.082048	0.07651
0.88569	0.049755	0.28327	0.094496	0.04123	0.150885	0.00107	0.028506	0.53889
0.00016	0.124915	0.00688	0.102007	0.02751	0.101604	0.02813	0.236771	2.26E-07
0.00034	-0.04931	0.28762	0.032952	0.47747	0.086679	0.06126	-0.19498	2.21E-05
4.47E-10	-0.18783	4.42E-05	-0.0362	0.43517	0.013683	0.76806	-0.26763	4.22E-09
0.17986	0.044218	0.34035	0.09862	0.03312	0.147484	0.00139	0.06512	0.16003
0.01365	0.063014	0.174	0.072296	0.11871	0.097079	0.03597	0.209639	4.90E-06
2.52E-09	0.053916	0.24489	0.002049	0.96477	-0.06654	0.15108	0.118856	0.01015
0.39223	0.002738	0.95295	0.088842	0.05504	0.14958	0.00119	0.003601	0.93813
0.3135	-0.04195	0.36576	-0.0426	0.35838	-0.08004	0.08403	-0.12365	0.00747
2.78E-06	0.230646	4.68E-07	0.215676	2.55E-06	0.172735	0.00018	0.26244	8.54E-09
1.40E-09	0.168524	0.00025	0.198933	1.49E-05	0.209552	4.94E-06	0.269651	3.19E-09
0.00028	0.189814	3.65E-05	0.173284	0.00017	0.208293	5.65E-06	0.164697	0.00035
0.04517	0.086704	0.06118	0.20222	1.06E-05	0.230536	4.74E-07	0.141892	0.00211
0.66676	-0.06668	0.15022	0.024322	0.60009	0.089149	0.0542	0.183242	6.80E-05
0.0003	-0.02989	0.51931	0.054428	0.24043	0.011851	0.7984	0.134639	0.00356
2.23E-07	0.148619	0.00128	0.232622	3.71E-07	0.121872	0.00838	0.153127	0.0009
0.00013	0.11003	0.01738	0.073283	0.11375	0.086143	0.06288	0.230847	4.57E-07
0.00123	-0.19306	2.66E-05	-0.05648	0.22316	-0.08431	0.0687	-0.25951	1.26E-08
1.82E-06	0.103936	0.02469	0.00186	0.96803	-0.01728	0.7095	0.182739	7.13E-05
0.799	-0.20172	1.12E-05	-0.11184	0.01561	-0.15848	0.00059	0.035997	0.43771
2.08E-10	0.158681	0.00058	0.153603	0.00087	0.126026	0.00639	0.123951	0.00732
0.14736	-0.11105	0.01635	-0.11483	0.01303	-0.19446	2.32E-05	-0.18065	8.64E-05

0.10399	-0.10089	0.02926	0.087166	0.05981	-0.0422	0.36283	0.089163	0.05417
0.12284	-0.02741	0.55466	0.028618	0.5373	-0.02818	0.54354	0.022163	0.63284
0.00034	0.075154	0.1048	0.143474	0.00188	0.071926	0.12062	0.164502	0.00036
7.14E-07	-0.05533	0.23268	-0.00358	0.93852	0.126868	0.00604	-0.17796	0.00011
2.39E-06	0.060825	0.18947	0.150384	0.00112	0.126265	0.00629	0.221579	1.33E-06
0.34735	-0.05176	0.26434	0.034888	0.45196	0.079379	0.08662	0.11543	0.01256
0.7362	0.007382	0.87359	-0.04672	0.31367	-0.06542	0.15811	0.043577	0.34741
0.32888	-0.11544	0.01255	-0.03901	0.4003	-0.05825	0.20891	0.007895	0.86488
0.87047	0.033432	0.47107	0.063544	0.17041	0.06823	0.14096	0.072459	0.11789
0.0138	0.010373	0.82309	0.070912	0.12596	0.058525	0.20679	-0.08856	0.05581
4.62E-10	-0.0937	0.04298	-0.07003	0.13077	-0.02315	0.6178	-0.23187	4.05E-07
0.32619	-0.08326	0.07224	-0.03042	0.51203	-0.00253	0.95657	-0.0148	0.74971
0.03449	0.011691	0.80107	0.115217	0.01272	0.127734	0.0057	0.039194	0.39809
0.58839	-0.09213	0.0466	-0.03556	0.44335	-0.03688	0.42648	-0.01325	0.77522
7.17E-13	0.182646	7.19E-05	0.118759	0.01021	0.100894	0.02925	0.204714	8.22E-06
9.75E-05	-0.00605	0.89624	0.083702	0.07074	0.213981	3.07E-06	0.073397	0.11319
0.10872	-0.01624	0.72625	0.075155	0.10479	0.105585	0.02249	0.098727	0.03292
0.04529	0.063222	0.17259	0.069625	0.133	0.081861	0.07719	0.164547	0.00036
0.84645	-0.19575	2.04E-05	-0.11752	0.01103	-0.13652	0.00311	-0.13693	0.00302
0.84429	-0.06694	0.14863	-0.07987	0.08468	-0.08314	0.07264	-0.0942	0.04187
0.00011	-0.00377	0.9352	0.077535	0.09421	0.044142	0.34119	0.192015	2.95E-05
8.32E-05	-0.05868	0.20556	0.047942	0.3012	0.140562	0.00233	-0.08776	0.05807
0.10539	-0.1198	0.00956	-0.04849	0.29569	-0.11675	0.01157	0.098197	0.03388
0.00126	0.03247	0.48393	0.134496	0.00359	0.14653	0.0015	0.163025	0.0004
0.78658	-0.02408	0.60378	0.00879	0.84974	0.046096	0.32023	0.032138	0.48842
1.08E-08	-0.05594	0.22761	-0.05793	0.21142	0.019723	0.67075	-0.15104	0.00106
3.26E-06	-0.07011	0.13031	0.063638	0.16977	-0.03582	0.43994	0.153005	0.00091
0.00011	0.176449	0.00013	0.074169	0.10944	0.136105	0.00321	0.182841	7.06E-05
0.01326	0.061113	0.18739	0.095936	0.03823	0.130503	0.00473	0.147629	0.00138
0.00047	0.032753	0.48013	0.051374	0.26788	0.056725	0.22112	-0.03235	0.4856
2.17E-13	0.319801	1.45E-12	0.254912	2.32E-08	0.222899	1.14E-06	0.315449	3.00E-12
0.7874	-0.01736	0.70823	-0.03117	0.50166	0.038035	0.4122	0.013541	0.77041
0.00578	-0.33473	1.09E-13	-0.22245	1.20E-06	-0.2703	2.91E-09	-0.33071	2.22E-13
4.92E-08	-0.2779	9.96E-10	-0.27959	7.81E-10	-0.23185	4.06E-07	-0.28755	2.43E-10
0.00021	-0.19478	2.25E-05	-0.19677	1.85E-05	-0.20108	1.19E-05	-0.08966	0.05282
0.11756	-0.04541	0.32747	-0.08075	0.0813	-0.0918	0.0474	0.009898	0.83107
0.68312	-0.07915	0.08753	-0.03506	0.44969	-0.05721	0.21723	-0.10241	0.0269
0.67736	-0.10669	0.02112	-0.12669	0.00611	-0.12674	0.0061	-0.17921	9.87E-05
5.81E-05	-0.00213	0.96339	-0.05975	0.19745	0.049921	0.28167	-0.08242	0.0752
0.65253	-0.11362	0.01402	-0.10958	0.01784	-0.06682	0.14936	-0.0056	0.90394
0.00027	-0.24889	5.03E-08	-0.12653	0.00618	-0.19269	2.76E-05	-0.04929	0.28776
0.46232	-0.07883	0.08884	-0.10457	0.02383	-0.11122	0.01619	-0.19432	2.35E-05
0.49873	-0.25993	1.20E-08	-0.26159	9.57E-09	-0.3156	2.93E-12	-0.26537	5.75E-09
0.0047	-0.07112	0.12482	-0.16995	0.00022	-0.1602	0.00051	-0.24438	8.88E-08
0.44742	0.013909	0.76434	-0.05188	0.2632	-0.03945	0.39499	-0.15172	0.00101

0.77222	0.055704	0.22956	0.015047	0.74571	0.017065	0.71301	-0.04227	0.36205
1.51E-16	-0.22024	1.54E-06	-0.203	9.81E-06	-0.11432	0.01344	-0.33116	2.05E-13
4.40E-18	-0.08785	0.05782	-0.18734	4.63E-05	-0.06289	0.17485	-0.21286	3.47E-06
4.21E-12	-0.23916	1.69E-07	-0.14405	0.0018	-0.16761	0.00027	-0.24527	7.95E-08
0.15712	0.019725	0.67073	-0.0853	0.06551	-0.07576	0.10203	-0.11057	0.01683
7.75E-06	0.059419	0.19993	0.063013	0.17401	0.03023	0.51461	-0.18321	6.82E-05
0.00269	-0.06551	0.15752	-0.1518	0.001	-0.14801	0.00134	-0.06154	0.18435
0.00517	-0.02891	0.53315	-0.14304	0.00194	-0.10485	0.02345	0.036073	0.43674
0.07381	-0.12683	0.00606	-0.07777	0.09321	-0.06277	0.17568	-0.14793	0.00135
1.14E-06	-0.08571	0.06423	-0.16667	0.0003	-0.07194	0.12057	-0.27317	1.95E-09
0.47455	0.002572	0.9558	-0.05323	0.25098	-0.03236	0.48536	-0.22516	8.83E-07
0.00462	-0.05383	0.24565	-0.04013	0.38689	-0.0668	0.14949	-0.15134	0.00104
0.00172	-0.25707	1.75E-08	-0.23041	4.81E-07	-0.21727	2.14E-06	-0.29649	6.25E-11
0.01151	-0.29356	9.81E-11	-0.22682	7.30E-07	-0.23405	3.13E-07	-0.26579	5.42E-09
0.0296	-0.30177	2.74E-11	-0.20388	8.96E-06	-0.2244	9.63E-07	-0.23308	3.51E-07
2.39E-09	-0.14952	0.00119	-0.19601	1.99E-05	-0.10066	0.02964	-0.25558	2.12E-08
0.28652	-0.17798	0.00011	-0.19727	1.76E-05	-0.16563	0.00032	-0.03488	0.45212
0.09817	-0.04301	0.35373	-0.08824	0.05672	-0.04215	0.36348	-0.03211	0.48882
0.05693	0.031331	0.4994	-0.0007	0.98793	0.049136	0.28931	-0.01331	0.77429
7.54E-14	-0.3236	7.61E-13	-0.29267	1.12E-10	-0.23936	1.65E-07	-0.30964	7.80E-12
3.08E-07	-0.0589	0.20386	-0.06286	0.17509	0.04686	0.31226	-0.20036	1.29E-05
0.16413	-0.14395	0.00182	-0.21242	3.64E-06	-0.17649	0.00013	-0.26134	9.91E-09
2.25E-08	-0.17894	0.0001	-0.22948	5.36E-07	-0.17478	0.00015	-0.25451	2.44E-08
8.29E-05	-0.06542	0.15809	-0.06821	0.14106	-0.09849	0.03335	0.017535	0.70547
0.00073	-0.1728	0.00018	-0.28029	7.05E-10	-0.28304	4.73E-10	-0.32252	9.14E-13
0.02009	-0.10236	0.02698	-0.06949	0.13374	-0.03235	0.48559	-0.12232	0.00814
0.84354	-0.08919	0.0541	-0.13309	0.00396	-0.13307	0.00397	-0.06492	0.16133
0.24323	0.055961	0.22742	-0.01819	0.69501	0.001482	0.97452	-0.06129	0.18613
1.59E-06	-0.12254	0.00802	-0.16708	0.00029	-0.07732	0.09513	-0.22035	1.52E-06
0.00165	-0.17405	0.00016	-0.21271	3.52E-06	-0.21122	4.14E-06	-0.2546	2.41E-08
0.00054	-0.10558	0.0225	-0.17364	0.00016	-0.12068	0.00904	-0.20947	4.99E-06
0.2464	-0.09679	0.03653	-0.12302	0.00778	-0.13795	0.00281	-0.13734	0.00294
0.71862	-0.07894	0.0884	-0.15207	0.00098	-0.12499	0.00684	-0.12946	0.00508
0.50531	-0.0605	0.19189	-0.09008	0.05173	-0.07129	0.12395	-0.02438	0.59925
0.13525	-0.02756	0.55247	-0.04817	0.29895	-0.06654	0.15111	-0.03999	0.38851
0.00028	-0.35299	3.78E-15	-0.25401	2.60E-08	-0.29231	1.19E-10	-0.30644	1.31E-11
0.00637	-0.05362	0.24746	0.006629	0.88639	-0.01982	0.66916	-0.03523	0.44751
0.00793	-0.08143	0.07878	-0.0122	0.79253	-0.04624	0.31871	-0.13703	0.003
9.27E-05	-0.02235	0.62997	0.026794	0.56355	0.008782	0.84987	0.011571	0.80306
0.16772	-0.25036	4.17E-08	-0.20318	9.63E-06	-0.22587	8.14E-07	-0.20853	5.51E-06
0.09297	-0.26603	5.25E-09	-0.17565	0.00014	-0.1774	0.00012	-0.12896	0.00525
0.01799	-0.04002	0.38827	-0.13271	0.00407	-0.03269	0.48094	-0.01481	0.74962
0.06277	-0.11038	0.01702	-0.1904	3.45E-05	-0.08688	0.06066	-0.12578	0.0065
0.1039	-0.18101	8.36E-05	-0.18132	8.13E-05	-0.19793	1.64E-05	-0.19655	1.89E-05
0.8378	-0.05975	0.19746	-0.019	0.68212	-0.01266	0.78488	-0.08521	0.06581

2.03E-07	-0.04429	0.3396	-0.06849	0.13946	0.083342	0.07196	-0.17734	0.00012
0.17237	-0.11555	0.01246	-0.1609	0.00048	-0.16997	0.00022	-0.16025	0.00051
1.45E-11	-0.13665	0.00309	-0.18223	7.47E-05	-0.12827	0.0055	-0.30866	9.13E-12
0.40816	-0.25043	4.14E-08	-0.27408	1.72E-09	-0.32383	7.31E-13	-0.21623	2.40E-06
0.28847	-0.12179	0.00842	-0.15135	0.00103	-0.15026	0.00113	-0.08198	0.07677
0.00365	-0.11186	0.01558	-0.15301	0.00091	-0.09968	0.03127	-0.20716	6.37E-06
1.61E-08	-0.36423	4.26E-16	-0.24488	8.34E-08	-0.2577	1.61E-08	-0.38574	5.12E-18
0.53763	-0.00826	0.85872	-0.04471	0.33504	-0.03661	0.43	-0.06609	0.15391
0.02614	-0.06362	0.1699	-0.09812	0.03402	-0.11026	0.01714	-0.0243	0.60037
0.357	-0.12353	0.00753	-0.02358	0.6112	-0.06596	0.15473	-0.19019	3.52E-05
0.59487	-0.0479	0.30164	-0.13961	0.0025	-0.04704	0.31043	-0.07652	0.0986
0.54793	-0.09909	0.03228	-0.13592	0.00325	-0.13663	0.00309	-0.02037	0.66064
0.08471	-0.19795	1.64E-05	-0.19969	1.38E-05	-0.25164	3.54E-08	-0.106	0.02196
0.1219	-0.10471	0.02364	-0.05526	0.23331	-0.0576	0.21406	-0.0478	0.30269
0.97522	-0.21765	2.06E-06	-0.09845	0.03342	-0.1385	0.0027	-0.12544	0.00664
0.9538	-0.05639	0.2239	-0.15739	0.00064	-0.08645	0.06195	-0.03083	0.50627
0.38876	-0.06545	0.15789	-0.08595	0.06348	-0.06245	0.1779	-0.13399	0.00372
2.42E-06	0.08892	0.05483	-0.14603	0.00155	-0.08865	0.05557	-0.23748	2.07E-07
0.11255	-0.31456	3.48E-12	-0.24562	7.60E-08	-0.33402	1.24E-13	-0.0663	0.15255
2.37E-07	-0.55702	2.06E-39	-0.40754	4.11E-20	-0.43671	3.61E-23	-0.33638	8.12E-14
8.59E-05	-0.4203	2.06E-21	-0.32115	1.15E-12	-0.36217	6.40E-16	-0.22524	8.76E-07
0.3392	-0.22154	1.33E-06	-0.21504	2.74E-06	-0.19551	2.09E-05	-0.00234	0.9598
0.0626	-0.17708	0.00012	-0.18238	7.37E-05	-0.20684	6.58E-06	-0.23889	1.75E-07
0.02301	-0.24744	6.05E-08	-0.18711	4.73E-05	-0.23204	3.97E-07	-0.28702	2.63E-10
0.07498	-0.07176	0.12147	-0.15865	0.00058	-0.18612	5.19E-05	-0.18935	3.82E-05
0.07928	-0.15259	0.00094	-0.0792	0.08734	-0.07494	0.10578	-0.23286	3.61E-07
5.92E-05	-0.26897	3.50E-09	-0.30143	2.90E-11	-0.23396	3.16E-07	-0.23071	4.64E-07
3.51E-07	-0.38176	1.19E-17	-0.39689	4.54E-19	-0.41236	1.35E-20	-0.4138	9.60E-21
0.00425	-0.09335	0.04378	-0.10898	0.01848	-0.03223	0.48716	-0.08076	0.08126
0.06337	-0.13487	0.0035	-0.14242	0.00203	-0.12337	0.00761	-0.19764	1.69E-05
0.00072	-0.16539	0.00033	-0.13057	0.00471	-0.28474	3.68E-10	-0.11408	0.01363
0.0021	0.028815	0.5345	0.083973	0.06983	0.109122	0.01833	0.007238	0.87603
0.52248	-0.13483	0.00351	-0.17617	0.00013	-0.17514	0.00014	-0.15877	0.00057
0.00604	-0.14397	0.00181	-0.18206	7.59E-05	-0.17731	0.00012	-0.20867	5.43E-06
0.03603	-0.06535	0.15855	-0.14464	0.00172	-0.11705	0.01136	-0.16583	0.00032
0.18412	-0.08913	0.05425	-0.09575	0.03861	-0.09677	0.03658	-0.06694	0.14864
0.01071	-0.17815	0.00011	-0.14468	0.00172	-0.10457	0.02382	-0.17019	0.00022
0.00186	-0.26408	6.85E-09	-0.24283	1.08E-07	-0.27611	1.29E-09	-0.31345	4.18E-12
0.08376	-0.0718	0.12125	-0.14878	0.00126	-0.12777	0.00569	-0.04802	0.30045
5.50E-05	-0.25125	3.72E-08	-0.23947	1.63E-07	-0.27612	1.28E-09	-0.2571	1.74E-08
1.07E-09	-0.05409	0.2434	-0.07336	0.11339	-0.03444	0.45774	-0.30598	1.41E-11
1.83E-05	-0.198	1.63E-05	-0.107	0.02074	-0.07555	0.10298	-0.24246	1.13E-07
0.38954	-0.25272	3.08E-08	-0.16969	0.00023	-0.17055	0.00021	-0.00246	0.95766
0.0015	-0.18454	6.03E-05	-0.152	0.00098	-0.12615	0.00634	-0.17047	0.00021
6.89E-08	-0.27452	1.61E-09	-0.28374	4.27E-10	-0.26653	4.90E-09	-0.33361	1.33E-13

6.43E-14	-0.28046	6.88E-10	-0.3128	4.65E-12	-0.14789	0.00135	-0.35112	5.38E-15
0.00854	-0.09092	0.04959	0.031286	0.50003	-0.00439	0.92466	-0.01177	0.79978
0.30545	0.059455	0.19966	-0.0519	0.26296	0.026582	0.56665	-0.13238	0.00416
0.37665	-0.27067	2.77E-09	-0.103	0.02602	-0.16225	0.00043	-0.04303	0.35352
0.30894	-0.35593	2.15E-15	-0.33099	2.11E-13	-0.37663	3.46E-17	-0.21818	1.94E-06
0.57639	-0.21474	2.83E-06	-0.19194	2.97E-05	-0.2286	5.94E-07	-0.11208	0.01538
0.0161	-0.19721	1.77E-05	-0.18401	6.33E-05	-0.21474	2.83E-06	-0.31555	2.95E-12
0.05621	-0.08901	0.05459	-0.11746	0.01108	-0.11528	0.01267	-0.08796	0.05751
0.0368	-0.2138	3.13E-06	-0.17467	0.00015	-0.15019	0.00113	-0.13797	0.00281
7.56E-05	-0.22294	1.14E-06	-0.22435	9.69E-07	-0.25062	4.04E-08	-0.24492	8.30E-08
0.02458	-0.21505	2.73E-06	-0.26624	5.10E-09	-0.31516	3.15E-12	-0.16869	0.00025
2.02E-08	-0.10879	0.01869	-0.162	0.00044	-0.24433	8.93E-08	0.142295	0.00205
0.34474	-0.08193	0.07692	-0.04637	0.31732	0.004992	0.91433	-0.07376	0.11143
0.00019	-0.14258	0.00201	-0.11774	0.01088	-0.15076	0.00108	-0.05767	0.21354
0.59812	-0.26795	4.04E-09	-0.21326	3.32E-06	-0.23439	3.00E-07	-0.22038	1.52E-06
0.03761	-0.17594	0.00013	-0.15119	0.00105	-0.15991	0.00052	-0.15451	0.00081
0.17241	-0.08364	0.07095	-0.08532	0.06544	-0.06161	0.18382	-0.0618	0.18249
0.68907	-0.23363	3.29E-07	-0.24073	1.39E-07	-0.2803	7.04E-10	-0.18228	7.44E-05
0.13306	-0.1659	0.00032	-0.14164	0.00215	-0.13978	0.00247	-0.03244	0.48439
2.15E-05	-0.14674	0.00147	-0.12309	0.00775	-0.17079	0.00021	-0.03856	0.4058
0.46736	-0.2632	7.71E-09	-0.22857	5.96E-07	-0.27378	1.79E-09	-0.19385	2.47E-05
0.01812	-0.17586	0.00013	-0.16235	0.00043	-0.22243	1.20E-06	-0.10284	0.02625
0.001	-0.38857	2.79E-18	-0.37161	9.69E-17	-0.40109	1.78E-19	-0.34	4.22E-14
0.4443	-0.13467	0.00355	-0.13844	0.00272	-0.1307	0.00467	-0.05714	0.21775
0.32644	-0.01679	0.71741	-0.01673	0.71839	-0.0015	0.97419	-0.05142	0.26743
0.00177	-0.0249	0.59147	-0.21889	1.79E-06	-0.16208	0.00044	-0.15419	0.00083
1.45E-08	-0.10861	0.01888	-0.2196	1.66E-06	-0.13747	0.00291	-0.23371	3.26E-07
0.12517	0.01351	0.77091	-0.07309	0.11471	-0.05282	0.25458	-0.10788	0.0197
0.00513	-0.04286	0.35541	-0.20943	5.01E-06	-0.16352	0.00039	-0.09224	0.04634
0.17282	-0.06995	0.1312	-0.13432	0.00364	-0.12429	0.00716	-0.08307	0.07291
0.00143	-0.22801	6.36E-07	-0.32018	1.36E-12	-0.32436	6.68E-13	-0.31498	3.24E-12
6.68E-07	-0.20443	8.46E-06	-0.22894	5.71E-07	-0.1675	0.00028	-0.17843	0.00011
2.06E-11	-0.06905	0.13622	-0.17679	0.00012	0.012566	0.78652	-0.1971	1.79E-05
0.57666	-0.15727	0.00065	-0.21391	3.10E-06	-0.20389	8.95E-06	-0.13301	0.00398
0.05332	-0.01747	0.70646	-0.11197	0.01548	-0.04336	0.34978	-0.04898	0.29089
0.10666	-0.25003	4.35E-08	-0.158	0.00061	-0.17034	0.00022	-0.18662	4.95E-05
0.61742	0.005279	0.90942	-0.13373	0.00379	-0.10161	0.02811	-0.12762	0.00575
0.44664	-0.27562	1.38E-09	-0.1821	7.57E-05	-0.22283	1.15E-06	-0.20168	1.12E-05
6.28E-10	-0.05563	0.23022	-0.17966	9.46E-05	-0.00925	0.84196	-0.20049	1.27E-05
0.04188	-0.0287	0.53607	-0.02229	0.63094	-0.02518	0.58722	-0.10483	0.02347
0.89572	-0.12333	0.00763	-0.03268	0.48117	-0.05704	0.21857	0.023774	0.60833
3.22E-05	-0.22579	8.22E-07	-0.21093	4.27E-06	-0.1833	6.77E-05	-0.17384	0.00016
0.40976	-0.12907	0.00521	-0.13239	0.00416	-0.13437	0.00362	-0.16381	0.00038
0.40338	-0.22226	1.23E-06	-0.21348	3.24E-06	-0.22869	5.88E-07	-0.2191	1.75E-06
0.83028	-0.11849	0.01038	-0.14903	0.00124	-0.16313	0.0004	-0.18936	3.81E-05

3.31E-06	-0.22124	1.38E-06	-0.19463	2.28E-05	-0.12815	0.00555	-0.27692	1.15E-09
0.55631	-0.14376	0.00184	-0.08523	0.06572	-0.09087	0.04971	-0.09444	0.04136
0.67365	-0.2308	4.60E-07	-0.15147	0.00103	-0.14381	0.00184	-0.12331	0.00764
0.00061	-0.16519	0.00034	-0.09428	0.04171	-0.10583	0.02218	-0.17769	0.00011
0.02355	-0.21537	2.64E-06	-0.21159	3.98E-06	-0.17478	0.00015	-0.15759	0.00063
0.49799	-0.06181	0.18242	-0.08081	0.08106	-0.06003	0.19531	-0.06664	0.15046
0.18481	-0.13355	0.00384	-0.13779	0.00285	-0.13705	0.003	-0.13742	0.00292
0.0469	-0.14945	0.0012	-0.17856	0.0001	-0.15788	0.00062	-0.15019	0.00113
0.19492	-0.05225	0.25983	-0.13984	0.00245	-0.10389	0.02475	-0.1549	0.00078
0.54057	-0.17502	0.00014	-0.13403	0.00371	-0.16568	0.00032	-0.12349	0.00755
2.44E-12	-0.06241	0.17819	-0.10088	0.02928	-0.04102	0.37651	-0.23975	1.57E-07
0.00637	-0.24683	6.54E-08	-0.11477	0.01307	-0.10605	0.0219	-0.16153	0.00046
0.00885	-0.25746	1.66E-08	-0.21266	3.54E-06	-0.17182	0.00019	-0.22472	9.29E-07
0.38735	-0.20105	1.20E-05	-0.13969	0.00248	-0.17896	0.0001	-0.28303	4.73E-10
0.0006	-0.21348	3.24E-06	-0.2567	1.83E-08	-0.23458	2.94E-07	-0.34807	9.54E-15
6.35E-10	-0.21475	2.83E-06	-0.28454	3.79E-10	-0.24705	6.35E-08	-0.35278	3.93E-15
0.78872	-0.0442	0.3405	-0.07031	0.12919	-0.04868	0.29379	-0.15702	0.00066
0.00044	-0.23661	2.30E-07	-0.15604	0.00072	-0.17507	0.00014	-0.20363	9.19E-06
0.0323	-0.25026	4.23E-08	-0.21903	1.76E-06	-0.23326	3.44E-07	-0.17597	0.00013
0.02873	-0.08511	0.06611	-0.14525	0.00165	-0.15922	0.00055	-0.06976	0.13224
0.06023	-0.16183	0.00045	-0.14858	0.00128	-0.17491	0.00015	-0.12575	0.00651
0.01267	-0.29291	1.08E-10	-0.24649	6.82E-08	-0.30266	2.38E-11	-0.18639	5.07E-05
0.26822	-0.18482	5.87E-05	-0.20679	6.62E-06	-0.23406	3.13E-07	-0.25172	3.51E-08
0.00091	-0.01686	0.71624	-0.00841	0.85621	-0.02337	0.6145	-0.03757	0.41793
0.00448	-0.25609	1.99E-08	-0.21023	4.60E-06	-0.23051	4.75E-07	-0.23542	2.66E-07
0.00754	-0.22883	5.78E-07	-0.28142	5.99E-10	-0.28057	6.78E-10	-0.30507	1.63E-11
0.00157	-0.21917	1.74E-06	-0.30705	1.18E-11	-0.2131	3.38E-06	-0.20846	5.55E-06
0.94023	-0.21275	3.51E-06	-0.20905	5.22E-06	-0.24675	6.60E-08	-0.09656	0.03698
9.88E-11	-0.29011	1.65E-10	-0.34835	9.05E-15	-0.29175	1.29E-10	-0.31826	1.88E-12
3.09E-08	-0.20841	5.58E-06	-0.20078	1.23E-05	-0.17063	0.00021	-0.34128	3.34E-14
0.00465	-0.19494	2.21E-05	-0.15558	0.00074	-0.16678	0.00029	-0.22151	1.34E-06
0.08602	-0.08389	0.07012	-0.17624	0.00013	-0.15327	0.00089	0.007859	0.86549
4.23E-09	-0.32054	1.28E-12	-0.34147	3.23E-14	-0.22762	6.65E-07	-0.2126	3.57E-06
0.10113	-0.06071	0.19029	-0.09874	0.03291	-0.2115	4.02E-06	-0.11956	0.00971
0.02936	-0.09679	0.03654	-0.12626	0.00629	-0.09243	0.0459	-0.21481	2.81E-06
4.36E-08	-0.04787	0.30197	-0.0875	0.05883	-0.01336	0.77347	-0.17002	0.00022
0.00587	-0.03532	0.4464	-0.12911	0.0052	-0.04246	0.35989	-0.10448	0.02395
0.99328	0.007261	0.87564	-0.045	0.3319	-0.05851	0.20693	-0.14699	0.00145
0.10929	-0.12763	0.00574	-0.00658	0.88718	-0.01686	0.71634	-0.16143	0.00046
2.02E-11	-0.07434	0.1086	-0.03562	0.4425	-0.06108	0.18766	-0.19091	3.28E-05
1.27E-09	-0.23607	2.46E-07	-0.16161	0.00045	-0.11952	0.00973	-0.29598	6.76E-11
3.20E-05	-0.03052	0.51063	-0.06888	0.13723	0.006101	0.89538	-0.17751	0.00012
0.0403	0.000462	0.99206	-0.08452	0.06803	-0.1185	0.01038	-0.29125	1.39E-10
0.44687	-0.38866	2.74E-18	-0.38291	9.34E-18	-0.46749	9.87E-27	-0.33444	1.15E-13
0.0008	-0.24717	6.26E-08	-0.29157	1.33E-10	-0.34085	3.62E-14	-0.29466	8.28E-11

5.13E-05	-0.17534	0.00014	-0.33533	9.78E-14	-0.37024	1.28E-16	-0.3534	3.49E-15
0.85655	-0.26808	3.96E-09	-0.25273	3.08E-08	-0.23732	2.11E-07	-0.10461	0.02377
0.00021	-0.14798	0.00134	-0.13572	0.0033	-0.11716	0.01129	-0.21399	3.07E-06
0.00137	-0.13411	0.00369	-0.10968	0.01773	-0.20038	1.28E-05	0.057651	0.21367
0.01997	0.006175	0.89413	-0.13495	0.00348	-0.00242	0.95833	-0.05563	0.23015
0.93658	-0.18859	4.11E-05	-0.23127	4.35E-07	-0.24543	7.79E-08	-0.26581	5.40E-09
0.99437	-0.08621	0.06267	-0.01258	0.78634	0.044046	0.34224	-0.01498	0.74675
0.20178	-0.00654	0.88796	-0.13743	0.00292	-0.09636	0.03738	-0.03396	0.4641
3.06E-12	-0.35167	4.85E-15	-0.23896	1.73E-07	-0.17993	9.24E-05	-0.19285	2.72E-05
2.60E-14	-0.2549	2.32E-08	-0.23166	4.15E-07	-0.13975	0.00247	-0.23902	1.72E-07
2.90E-05	-0.19139	3.13E-05	-0.19503	2.19E-05	-0.18382	6.45E-05	-0.22376	1.04E-06
1.65E-08	-0.19414	2.40E-05	-0.17881	0.0001	-0.10461	0.02377	-0.11364	0.014
9.58E-08	-0.29412	8.99E-11	-0.21426	2.98E-06	-0.19482	2.24E-05	-0.2713	2.53E-09
0.16316	-0.01966	0.67179	-0.08606	0.06314	-0.05532	0.2328	-0.03666	0.42937
0.00088	-0.18814	4.29E-05	-0.12674	0.00609	-0.17897	0.0001	-0.05057	0.27549
3.42E-10	-0.21847	1.88E-06	-0.12963	0.00502	-0.22667	7.43E-07	-0.27727	1.09E-09
0.10978	-0.15895	0.00057	-0.139	0.00261	-0.0848	0.06711	-0.1498	0.00117
0.0006	-0.02879	0.53486	0.047067	0.31012	-0.03588	0.43916	-0.00522	0.91035
0.03808	-0.16175	0.00045	-0.21729	2.14E-06	-0.15722	0.00065	-0.09024	0.05131
2.45E-08	-0.13616	0.0032	-0.1753	0.00014	-0.10835	0.01918	-0.17121	0.0002
0.84891	-0.08261	0.0745	-0.12255	0.00802	-0.11431	0.01345	-0.09047	0.05071
0.01521	-0.25745	1.66E-08	-0.24418	9.11E-08	-0.23393	3.17E-07	-0.15574	0.00073
0.56445	-0.15756	0.00063	-0.1326	0.0041	-0.13632	0.00316	-0.0677	0.14409
0.72322	-0.06009	0.1949	-0.04388	0.34403	-0.02116	0.64829	-0.04584	0.32288
0.21486	-0.19619	1.96E-05	-0.11553	0.01248	-0.13565	0.00331	-0.08815	0.05697
0.11868	-0.10991	0.0175	-0.05847	0.20722	-0.06903	0.13634	-0.11646	0.01178
0.35235	-0.16399	0.00037	-0.12724	0.0059	-0.14279	0.00198	-0.12408	0.00726
0.39161	-0.04739	0.3068	-0.07378	0.11133	-0.03131	0.49973	0.056828	0.22029
0.3962	-0.18397	6.36E-05	-0.1731	0.00017	-0.20691	6.54E-06	-0.18059	8.70E-05
3.20E-06	-0.20668	6.70E-06	-0.25532	2.20E-08	-0.19625	1.94E-05	-0.16729	0.00028
2.61E-07	-0.26937	3.31E-09	-0.17506	0.00014	-0.11598	0.01214	-0.28419	3.99E-10
0.04197	-0.13272	0.00407	-0.10477	0.02355	-0.0809	0.08074	-0.11097	0.01644
0.51069	-0.14617	0.00154	-0.08576	0.06407	-0.12971	0.00499	-0.0978	0.03461
0.19846	-0.13295	0.004	-0.15985	0.00053	-0.06502	0.16065	-0.09276	0.04512
0.00508	-0.1305	0.00473	-0.02519	0.58711	0.019409	0.67569	-0.08534	0.06539
1.17E-05	-0.27047	2.85E-09	-0.17135	0.0002	-0.20246	1.04E-05	-0.21861	1.85E-06
0.00256	-0.1383	0.00274	-0.15973	0.00053	-0.16016	0.00051	-0.11595	0.01216
4.77E-14	-0.32021	1.35E-12	-0.2119	3.85E-06	-0.13694	0.00302	-0.18416	6.25E-05
0.01038	-0.27259	2.12E-09	-0.25588	2.04E-08	-0.27325	1.93E-09	-0.28539	3.34E-10
0.102	-0.00882	0.84926	-0.01333	0.77396	0.033646	0.46823	-0.07077	0.12672
3.69E-05	-0.36156	7.21E-16	-0.35944	1.09E-15	-0.46395	2.65E-26	-0.12448	0.00707
4.38E-07	-0.19412	2.40E-05	-0.1864	5.06E-05	-0.17505	0.00014	-0.26376	7.15E-09
0.00928	-0.00656	0.88763	-0.21863	1.84E-06	-0.22236	1.21E-06	-0.2416	1.25E-07
0.00479	-0.23004	5.02E-07	-0.10823	0.01932	-0.08009	0.08382	-0.1798	9.34E-05
0.52862	-0.10847	0.01905	-0.22277	1.16E-06	-0.17242	0.00018	-0.0991	0.03226



1.17E-07	-0.29453	8.46E-11	-0.19784	1.66E-05	-0.20939	5.03E-06	-0.21333	3.30E-06
0.01919	-0.16501	0.00034	-0.10754	0.0201	-0.10454	0.02387	-0.15423	0.00083
0.0005	-0.14155	0.00217	-0.22926	5.50E-07	-0.08758	0.05861	-0.15436	0.00082
0.00225	-0.19112	3.22E-05	-0.19997	1.34E-05	-0.16387	0.00038	-0.16382	0.00038
1.34E-07	-0.18843	4.17E-05	-0.20848	5.54E-06	-0.04897	0.29098	-0.1937	2.50E-05
0.0189	-0.08559	0.06458	-0.12723	0.0059	-0.03176	0.49349	-0.10845	0.01907
0.0008	-0.19733	1.74E-05	-0.21512	2.71E-06	-0.21219	3.73E-06	-0.31814	1.92E-12
0.71579	-0.14385	0.00183	-0.27971	7.67E-10	-0.32535	5.63E-13	-0.26769	4.18E-09
0.16308	-0.22718	7.00E-07	-0.16691	0.00029	-0.16251	0.00042	-0.22532	8.67E-07
1.80E-12	-0.26008	1.17E-08	-0.2895	1.81E-10	-0.27323	1.93E-09	-0.35284	3.88E-15
0.35149	-0.06906	0.1362	-0.14221	0.00207	-0.15233	0.00096	0.004703	0.91926
0.10015	-0.17623	0.00013	-0.16776	0.00027	-0.20724	6.31E-06	-0.24405	9.25E-08
0.82629	0.11218	0.01529	0.02874	0.53556	0.057037	0.21859	-0.07359	0.11226
9.30E-07	-0.35209	4.48E-15	-0.25227	3.26E-08	-0.25222	3.28E-08	-0.32079	1.23E-12
0.01643	-0.29277	1.10E-10	-0.36384	4.60E-16	-0.35788	1.48E-15	-0.22678	7.34E-07
1.01E-06	-0.34772	1.02E-14	-0.29731	5.51E-11	-0.30919	8.38E-12	-0.38218	1.09E-17
0.15933	-0.07076	0.12676	-0.10925	0.01819	-0.11669	0.01162	-0.06534	0.15861
3.15E-10	-0.09204	0.04683	-0.15944	0.00054	0.026974	0.56094	-0.21283	3.48E-06
1.19E-11	-0.40919	2.81E-20	-0.29556	7.22E-11	-0.2933	1.02E-10	-0.49884	9.42E-31
0.00249	-0.17536	0.00014	-0.19437	2.34E-05	-0.17266	0.00018	-0.16699	0.00029
0.00232	-0.02505	0.58925	-0.05648	0.22313	-0.00754	0.87088	-0.16526	0.00034
2.21E-11	-0.31364	4.05E-12	-0.24067	1.41E-07	-0.22683	7.29E-07	-0.24635	6.94E-08
0.02441	0.018302	0.69323	-0.02802	0.54578	0.049498	0.28577	-0.09837	0.03356
1.03E-06	-0.07468	0.10701	-0.21676	2.27E-06	-0.13904	0.0026	-0.11332	0.01428
1.02E-29	0.419931	2.25E-21	0.438098	2.54E-23	0.383928	7.53E-18	0.448094	1.91E-24
5.04E-22	0.431342	1.39E-22	0.203282	9.53E-06	0.164238	0.00037	0.25536	2.19E-08
6.94E-43	0.6134	1.31E-49	0.555498	3.64E-39	0.467009	1.13E-26	0.53461	7.07E-36
8.38E-24	0.20654	6.80E-06	0.125407	0.00666	0.019049	0.68138	0.165131	0.00034
7.00E-45	0.580503	2.03E-43	0.428149	3.06E-22	0.440886	1.24E-23	0.476502	7.61E-28
9.37E-26	0.386183	4.66E-18	0.339568	4.57E-14	0.301017	3.09E-11	0.30016	3.53E-11
1.02E-24	0.338296	5.75E-14	0.168685	0.00025	0.13096	0.00459	0.219964	1.59E-06
8.70E-55	0.474896	1.21E-27	0.386914	3.99E-18	0.345409	1.57E-14	0.414727	7.73E-21
5.14E-30	0.492609	6.42E-30	0.522497	4.51E-34	0.444301	5.15E-24	0.420202	2.11E-21
1.06E-29	0.651111	1.15E-57	0.499699	7.22E-31	0.441952	9.46E-24	0.469956	4.94E-27
1.64E-60	0.658537	2.17E-59	0.472914	2.13E-27	0.420303	2.06E-21	0.511655	1.61E-32
4.68E-39	0.565522	7.93E-41	0.504548	1.57E-31	0.483888	8.79E-29	0.470285	4.50E-27
3.98E-39	0.384591	6.54E-18	0.213401	3.27E-06	0.134385	0.00362	0.371381	1.02E-16
4.16E-13	0.386156	4.69E-18	0.32009	1.38E-12	0.217152	2.17E-06	0.269372	3.31E-09
4.65E-14	0.431989	1.18E-22	0.268263	3.86E-09	0.164015	0.00037	0.187386	4.61E-05
7.90E-57	0.529983	3.53E-35	0.350803	5.71E-15	0.299987	3.63E-11	0.478957	3.74E-28
1.22E-09	0.088528	0.05591	0.12544	0.00664	0.031816	0.49278	0.089566	0.05308
2.55E-19	0.451733	7.31E-25	0.330641	2.25E-13	0.305723	1.46E-11	0.343312	2.31E-14
2.89E-57	0.6231	1.41E-51	0.464635	2.19E-26	0.419536	2.47E-21	0.563224	1.93E-40
1.51E-17	0.374413	5.47E-17	0.289362	1.85E-10	0.336667	7.70E-14	0.340559	3.81E-14
1.92E-09	0.313172	4.37E-12	0.243163	1.03E-07	0.261395	9.83E-09	0.173395	0.00017

1.06E-54	0.494009	4.19E-30	0.278001	9.81E-10	0.229077	5.62E-07	0.324419	6.61E-13
3.01E-33	0.585693	2.38E-44	0.440343	1.43E-23	0.423328	9.92E-22	0.498946	9.13E-31
7.96E-35	0.530207	3.26E-35	0.455189	2.90E-25	0.411517	1.64E-20	0.453094	5.08E-25
6.41E-57	0.437865	2.69E-23	0.291139	1.42E-10	0.269296	3.35E-09	0.371307	1.03E-16
1.41E-46	0.483636	9.47E-29	0.453468	4.60E-25	0.393046	1.06E-18	0.471999	2.77E-27
3.45E-44	0.479179	3.50E-28	0.429991	1.94E-22	0.33166	1.88E-13	0.433791	7.53E-23
1.14E-34	0.442185	8.91E-24	0.317724	2.06E-12	0.257733	1.60E-08	0.325807	5.21E-13
5.94E-15	0.418602	3.09E-21	0.434139	6.90E-23	0.402677	1.24E-19	0.296987	5.79E-11
6.96E-10	0.486763	3.74E-29	0.316921	2.35E-12	0.356828	1.81E-15	0.242951	1.06E-07
5.28E-77	0.528073	6.80E-35	0.392151	1.29E-18	0.312652	4.77E-12	0.567425	3.78E-41
1.23E-64	0.566323	5.81E-41	0.438783	2.13E-23	0.388406	2.89E-18	0.503966	1.89E-31
7.71E-11	0.311796	5.48E-12	0.213942	3.09E-06	0.272141	2.25E-09	0.1595	0.00054
2.01E-19	0.553854	6.74E-39	0.394163	8.28E-19	0.375057	4.80E-17	0.348192	9.33E-15
5.24E-33	0.568235	2.75E-41	0.379548	1.89E-17	0.375202	4.65E-17	0.448682	1.64E-24
3.37E-20	0.412766	1.22E-20	0.230805	4.59E-07	0.21044	4.50E-06	0.268962	3.51E-09
4.35E-36	0.503216	2.40E-31	0.32177	1.04E-12	0.250155	4.28E-08	0.284459	3.84E-10
1.59E-09	0.247966	5.66E-08	0.284634	3.74E-10	0.23605	2.46E-07	0.101675	0.02802
2.59E-32	0.552318	1.19E-38	0.454074	3.91E-25	0.455825	2.44E-25	0.471765	2.96E-27
1.69E-07	0.253266	2.87E-08	0.1646	0.00035	0.118457	0.01041	0.122735	0.00792
1.34E-10	0.251057	3.82E-08	0.352266	4.33E-15	0.244102	9.19E-08	0.208614	5.46E-06
2.42E-32	0.434297	6.63E-23	0.402243	1.37E-19	0.312396	4.97E-12	0.366701	2.61E-16
3.41E-06	0.38322	8.75E-18	0.404214	8.78E-20	0.465545	1.70E-26	0.304017	1.92E-11
2.06E-37	0.569692	1.55E-41	0.443339	6.62E-24	0.432396	1.07E-22	0.507894	5.43E-32
5.07E-19	0.480724	2.23E-28	0.364196	4.29E-16	0.323932	7.18E-13	0.338175	5.87E-14
1.18E-50	0.560248	6.04E-40	0.452557	5.87E-25	0.368253	1.91E-16	0.460263	7.31E-26
2.28E-33	0.35065	5.88E-15	0.327709	3.75E-13	0.238205	1.90E-07	0.322878	8.60E-13
4.15E-37	0.258099	1.52E-08	0.143687	0.00185	0.049094	0.28973	0.305503	1.52E-11
5.86E-18	0.33988	4.31E-14	0.315438	3.01E-12	0.307857	1.04E-11	0.252481	3.18E-08
6.10E-31	0.421871	1.41E-21	0.351465	5.04E-15	0.332515	1.61E-13	0.435247	5.22E-23
6.14E-12	0.474329	1.42E-27	0.276192	1.27E-09	0.262343	8.65E-09	0.257183	1.72E-08
1.52E-14	0.151232	0.00104	0.195028	2.19E-05	0.062375	0.17842	0.138061	0.00279
2.30E-08	0.541198	6.88E-37	0.410768	1.95E-20	0.388278	2.97E-18	0.280178	7.17E-10
1.37E-39	0.646104	1.57E-56	0.549494	3.39E-38	0.530445	3.01E-35	0.507057	7.09E-32
6.52E-38	0.388606	2.77E-18	0.386019	4.83E-18	0.274446	1.63E-09	0.36634	2.80E-16
2.20E-29	0.433005	9.17E-23	0.238555	1.82E-07	0.220146	1.56E-06	0.323423	7.84E-13
1.45E-42	0.407351	4.29E-20	0.407807	3.86E-20	0.365704	3.18E-16	0.443749	5.95E-24
2.67E-44	0.583477	5.97E-44	0.409232	2.78E-20	0.35512	2.51E-15	0.438623	2.22E-23
1.46E-05	0.306735	1.25E-11	0.256716	1.83E-08	0.188185	4.27E-05	0.014121	0.76086
6.85E-43	0.500557	5.53E-31	0.366247	2.85E-16	0.309774	7.62E-12	0.483135	1.10E-28
3.08E-38	0.427446	3.63E-22	0.256125	1.98E-08	0.220089	1.57E-06	0.38451	6.65E-18
8.06E-35	0.566012	6.56E-41	0.413886	9.42E-21	0.394205	8.20E-19	0.430586	1.67E-22
3.02E-24	0.304197	1.87E-11	0.239999	1.53E-07	0.145713	0.00159	0.235384	2.67E-07
3.86E-18	0.473377	1.87E-27	0.281428	5.98E-10	0.316156	2.67E-12	0.238714	1.78E-07
1.79E-09	0.541469	6.24E-37	0.324861	6.13E-13	0.414163	8.82E-21	0.321765	1.04E-12
5.67E-66	0.573578	3.32E-42	0.434217	6.77E-23	0.366976	2.47E-16	0.545966	1.23E-37

2.57E-46	0.484489	7.36E-29	0.419917	2.26E-21	0.410135	2.26E-20	0.52046	8.92E-34
3.71E-40	0.364984	3.67E-16	0.390283	1.93E-18	0.360135	9.52E-16	0.434457	6.37E-23
7.85E-48	0.626402	2.91E-52	0.484786	6.74E-29	0.47812	4.76E-28	0.52432	2.44E-34
1.91E-56	0.48359	9.60E-29	0.378563	2.32E-17	0.281488	5.93E-10	0.419727	2.36E-21
1.54E-21	0.225841	8.17E-07	0.038131	0.41101	-0.01717	0.71125	0.107374	0.02029
1.31E-28	0.275319	1.44E-09	0.23687	2.23E-07	0.147258	0.00142	0.375009	4.84E-17
2.24E-09	0.38438	6.84E-18	0.30296	2.27E-11	0.351338	5.16E-15	0.245351	7.87E-08
6.26E-71	0.460658	6.56E-26	0.407489	4.16E-20	0.328481	3.28E-13	0.498817	9.51E-31
7.18E-13	0.334879	1.06E-13	0.267551	4.26E-09	0.268409	3.79E-09	0.213357	3.29E-06
6.56E-34	0.564831	1.04E-40	0.313179	4.37E-12	0.303895	1.96E-11	0.367738	2.12E-16
2.21E-28	0.079037	0.08799	0.082254	0.07577	-0.059	0.20314	0.120195	0.00932
6.63E-08	-0.03246	0.48408	0.133951	0.00373	0.059197	0.20162	0.110869	0.01654
1.18E-19	0.579392	3.19E-43	0.490065	1.39E-29	0.463496	3.00E-26	0.432014	1.17E-22
4.58E-06	0.300487	3.36E-11	0.309782	7.61E-12	0.328125	3.48E-13	0.16097	0.00048
5.37E-43	0.670204	3.36E-62	0.553244	8.47E-39	0.477278	6.08E-28	0.539601	1.22E-36
5.47E-13	0.302097	2.61E-11	0.238281	1.88E-07	0.194642	2.28E-05	0.195082	2.18E-05
4.22E-22	0.219526	1.67E-06	0.197215	1.77E-05	0.097917	0.03439	0.121304	0.00869
2.15E-32	0.47026	4.53E-27	0.269403	3.30E-09	0.23526	2.71E-07	0.404141	8.93E-20
1.32E-24	0.378286	2.46E-17	0.310524	6.75E-12	0.293478	9.92E-11	0.318914	1.68E-12
1.17E-57	0.557453	1.75E-39	0.417361	4.15E-21	0.338219	5.83E-14	0.437019	3.34E-23
5.85E-40	0.336024	8.65E-14	0.199202	1.45E-05	0.101395	0.02846	0.268069	3.97E-09
3.11E-38	0.668871	7.15E-62	0.540037	1.04E-36	0.579131	3.55E-43	0.529174	4.66E-35
9.23E-08	0.202677	1.01E-05	0.164262	0.00036	0.133791	0.00377	0.060325	0.19314
3.73E-20	0.336567	7.84E-14	0.167717	0.00027	0.195802	2.03E-05	0.257379	1.68E-08
1.43E-12	0.1639	0.00038	0.176831	0.00012	0.038999	0.40044	0.163515	0.00039
9.84E-36	0.691774	9.52E-68	0.491271	9.63E-30	0.528206	6.49E-35	0.548911	4.20E-38
1.72E-23	0.483565	9.67E-29	0.434991	5.57E-23	0.438466	2.31E-23	0.457412	1.59E-25
2.32E-40	0.413734	9.76E-21	0.284012	4.10E-10	0.298359	4.68E-11	0.34991	6.76E-15
7.35E-21	0.358926	1.21E-15	0.331153	2.05E-13	0.23138	4.29E-07	0.330715	2.22E-13
3.82E-62	0.704357	3.24E-71	0.504888	1.41E-31	0.485867	4.88E-29	0.632432	1.55E-53
3.71E-21	0.507285	6.59E-32	0.404904	7.50E-20	0.317314	2.20E-12	0.346883	1.19E-14
4.36E-11	0.535082	6.00E-36	0.503058	2.52E-31	0.535624	4.96E-36	0.388743	2.69E-18
1.34E-18	0.368367	1.87E-16	0.339276	4.81E-14	0.215721	2.54E-06	0.277224	1.10E-09
2.52E-66	0.642679	9.14E-56	0.442873	7.46E-24	0.423747	8.96E-22	0.584203	4.42E-44
5.64E-54	0.611175	3.62E-49	0.546579	9.86E-38	0.463567	2.95E-26	0.51576	4.23E-33
9.93E-10	0.39157	1.46E-18	0.305891	1.43E-11	0.340507	3.85E-14	0.315355	3.05E-12
2.36E-36	0.495378	2.75E-30	0.422867	1.11E-21	0.365084	3.60E-16	0.406346	5.40E-20
1.15E-78	0.377752	2.75E-17	0.374338	5.56E-17	0.277502	1.05E-09	0.531326	2.22E-35
6.07E-28	0.094142	0.042	0.045171	0.33003	-0.07148	0.12293	0.090406	0.05088
1.29E-09	0.252802	3.05E-08	0.226108	7.92E-07	0.181472	8.02E-05	0.17753	0.00011
2.22E-21	0.421063	1.71E-21	0.315553	2.95E-12	0.285324	3.38E-10	0.240684	1.40E-07
8.09E-43	0.517887	2.10E-33	0.382188	1.09E-17	0.302638	2.39E-11	0.445653	3.63E-24
3.29E-77	0.531905	1.81E-35	0.366262	2.84E-16	0.345805	1.45E-14	0.494084	4.09E-30
1.81E-31	0.47112	3.55E-27	0.389196	2.44E-18	0.397231	4.21E-19	0.383755	7.81E-18
1.34E-23	0.126584	0.00616	0.075181	0.10467	-0.02771	0.55023	0.142992	0.00195

2.82E-60	0.408665	3.17E-20	0.382034	1.12E-17	0.304747	1.71E-11	0.440827	1.26E-23
3.27E-17	0.452323	6.25E-25	0.23985	1.55E-07	0.316981	2.33E-12	0.267148	4.50E-09
2.56E-24	0.659433	1.33E-59	0.478821	3.89E-28	0.495328	2.79E-30	0.401723	1.54E-19
2.19E-18	0.19988	1.35E-05	0.271751	2.38E-09	0.21667	2.29E-06	0.271968	2.31E-09
8.58E-28	0.439249	1.89E-23	0.468655	7.12E-27	0.420541	1.94E-21	0.497443	1.46E-30
4.36E-20	0.147156	0.00143	0.176884	0.00012	0.020226	0.66287	0.117611	0.01097
1.99E-20	0.418253	3.35E-21	0.259503	1.27E-08	0.241216	1.31E-07	0.325662	5.34E-13
3.90E-26	0.37314	7.10E-17	0.410869	1.90E-20	0.320866	1.21E-12	0.425322	6.11E-22
2.18E-33	0.388584	2.78E-18	0.217799	2.02E-06	0.146052	0.00155	0.248263	5.45E-08
5.94E-10	0.400817	1.89E-19	0.213201	3.34E-06	0.210598	4.42E-06	0.11578	0.01229
5.90E-16	0.156672	0.00068	0.15874	0.00058	0.047009	0.31072	0.05264	0.25625
2.23E-32	0.317011	2.32E-12	0.361812	6.86E-16	0.271971	2.31E-09	0.355956	2.14E-15
3.24E-15	0.368807	1.71E-16	0.272524	2.13E-09	0.224743	9.27E-07	0.22378	1.03E-06
1.91E-16	0.353406	3.49E-15	0.187021	4.77E-05	0.152675	0.00093	0.171252	0.0002
1.43E-35	0.309778	7.62E-12	0.196451	1.91E-05	0.090694	0.05015	0.215634	2.57E-06
1.17E-52	0.538237	1.97E-36	0.330477	2.31E-13	0.251428	3.64E-08	0.538857	1.58E-36
1.83E-24	0.441792	9.86E-24	0.321576	1.07E-12	0.296434	6.31E-11	0.333644	1.32E-13
4.00E-36	0.478929	3.77E-28	0.244992	8.23E-08	0.234131	3.10E-07	0.32885	3.07E-13
2.92E-26	0.586958	1.41E-44	0.451719	7.34E-25	0.518976	1.46E-33	0.424857	6.84E-22
1.58E-12	0.577083	8.14E-43	0.530599	2.85E-35	0.465719	1.62E-26	0.417963	3.59E-21
2.11E-30	0.623652	1.09E-51	0.425446	5.93E-22	0.428326	2.93E-22	0.531267	2.26E-35
2.23E-27	0.305099	1.62E-11	0.257887	1.57E-08	0.14946	0.0012	0.239474	1.63E-07
9.17E-67	0.600067	5.16E-47	0.455456	2.70E-25	0.340569	3.81E-14	0.625421	4.66E-52
5.97E-29	0.487848	2.70E-29	0.326142	4.91E-13	0.393025	1.06E-18	0.388217	3.01E-18
1.42E-61	0.514466	6.46E-33	0.481433	1.81E-28	0.415053	7.16E-21	0.545678	1.37E-37
2.16E-90	0.610467	5.00E-49	0.445603	3.67E-24	0.353237	3.60E-15	0.539692	1.18E-36
4.80E-40	0.383112	8.95E-18	0.274783	1.55E-09	0.295577	7.20E-11	0.453768	4.25E-25
6.84E-22	0.507759	5.66E-32	0.427455	3.63E-22	0.399019	2.83E-19	0.357655	1.54E-15
2.40E-50	0.463722	2.82E-26	0.37091	1.12E-16	0.386037	4.81E-18	0.450682	9.66E-25
5.26E-25	0.571437	7.79E-42	0.468381	7.70E-27	0.379792	1.80E-17	0.409203	2.80E-20
5.61E-10	0.279439	7.98E-10	0.291729	1.29E-10	0.226394	7.67E-07	0.178411	0.00011
1.44E-54	0.562586	2.47E-40	0.360959	8.11E-16	0.310457	6.82E-12	0.423445	9.64E-22
4.68E-24	0.664519	8.16E-61	0.529631	3.98E-35	0.512418	1.26E-32	0.488036	2.55E-29
9.62E-30	0.598305	1.11E-46	0.367933	2.04E-16	0.410242	2.20E-20	0.392869	1.10E-18
5.61E-22	0.353676	3.31E-15	0.296766	5.99E-11	0.229952	5.07E-07	0.312263	5.08E-12
3.46E-55	0.439444	1.80E-23	0.363886	4.56E-16	0.355324	2.42E-15	0.523567	3.14E-34
6.80E-09	0.542604	4.15E-37	0.44269	7.82E-24	0.429307	2.30E-22	0.267168	4.49E-09
0.48074	0.04873	0.29332	-0.00498	0.91446	0.018095	0.69653	0.0575	0.21487
0.1025	-0.03981	0.39069	0.016876	0.71605	-0.05805	0.21049	0.059208	0.20154
0.5928	0.053904	0.245	0.040378	0.38397	0.079892	0.0846	0.005622	0.90355
0.02457	0.08295	0.07332	0.041497	0.37092	0.003156	0.94578	0.172026	0.00019
0.31705	-0.02433	0.59998	-0.07215	0.11944	-0.0363	0.43388	-0.02779	0.54914
0.54354	-0.02858	0.53781	-0.02418	0.6022	-0.05464	0.23864	0.012119	0.79394
0.26955	-0.02681	0.56338	-0.00569	0.90239	-0.03625	0.43451	0.062749	0.17583
0.1801	-0.00863	0.85243	-0.00802	0.8628	-0.0174	0.70757	0.05536	0.23246

0.62199	0.027794	0.54908	-0.05612	0.22606	0.05016	0.27936	0.060036	0.1953
0.43191	-0.05217	0.26054	-0.04952	0.28552	-0.05171	0.26478	0.031073	0.50295
0.54564	0.038972	0.40077	0.047773	0.30291	0.033723	0.46722	0.047183	0.30893
0.14709	-0.0362	0.43515	-0.02363	0.61051	-0.0326	0.48222	0.049604	0.28474
0.25628	0.035157	0.44848	0.024569	0.59639	0.02064	0.65639	0.074719	0.10683
0.25532	0.003652	0.93727	0.000998	0.98284	0.002614	0.95508	0.085143	0.06601
0.83277	-0.05993	0.19605	-0.02732	0.55594	-0.03664	0.42951	0.081172	0.07972
0.49289	-0.02308	0.61881	-0.03178	0.49334	0.035148	0.44859	0.028184	0.54349
0.38439	-0.02729	0.55634	-0.0273	0.55622	-0.03947	0.3948	0.029911	0.51906
0.09625	-0.04026	0.38539	-0.05557	0.23071	-0.00345	0.94069	-0.04338	0.34955
0.8154	-0.07659	0.09831	-0.07543	0.10354	-0.08119	0.07965	-0.01529	0.74167
0.84975	-0.0246	0.59594	-0.0978	0.03461	-0.0206	0.65704	-0.00565	0.903
0.04683	0.047124	0.30954	-0.00657	0.88737	0.105615	0.02245	-0.05395	0.24455
0.28567	0.052592	0.25668	0.091665	0.04773	0.10828	0.01925	0.009991	0.82951
0.44919	0.067681	0.14419	0.0177	0.70284	0.10915	0.0183	0.002243	0.96144
0.96139	0.08635	0.06225	0.015065	0.74541	0.101992	0.02753	0.006847	0.88269
0.6001	0.040718	0.37998	0.019308	0.67728	0.107031	0.0207	-0.00979	0.83283
0.29939	-0.02461	0.59583	-0.03652	0.4311	-0.05831	0.20848	0.015425	0.73954
0.64572	0.010336	0.82371	-0.01929	0.67764	0.008509	0.85448	0.005602	0.9039
0.07881	0.016542	0.72143	0.007903	0.86475	0.004933	0.91533	0.063667	0.16958
0.65037	-0.02238	0.62956	-0.01689	0.71576	0.023865	0.60696	-0.00354	0.93924
0.12113	0.096493	0.03711	0.125646	0.00655	0.144643	0.00173	0.040367	0.38411
0.12713	0.015975	0.73061	0.024694	0.59453	0.015024	0.74607	0.048069	0.29993
0.1749	0.034575	0.45604	0.02143	0.64415	0.03285	0.47884	0.040833	0.37864
0.8371	-0.06493	0.16128	-0.03064	0.5089	-0.03917	0.39843	-0.03083	0.50628
0.18291	0.004707	0.9192	0.006707	0.88507	0.015864	0.7324	0.04052	0.38231
0.91472	-0.0413	0.37317	-0.02255	0.62691	-0.02164	0.64084	-0.02293	0.62119
0.57994	-0.02535	0.58472	-0.00075	0.98713	0.026127	0.5733	-0.00609	0.8955
0.31091	-0.01163	0.80208	-0.00399	0.93148	-0.0136	0.7695	0.018796	0.68538
0.16156	0.026669	0.56537	0.033197	0.47419	0.058979	0.20329	0.067234	0.14687
0.8085	0.010343	0.8236	-0.02153	0.64264	0.015351	0.74075	0.019873	0.66839
0.33417	-0.08651	0.06175	-0.07331	0.1136	-0.04786	0.30203	-0.08001	0.08414
0.64347	-0.05583	0.22851	-0.02823	0.54279	-0.0486	0.29461	-0.01192	0.79725
0.06921	-0.0641	0.16669	-0.05389	0.2451	-0.0868	0.06089	0.049625	0.28453
0.00063	-0.10604	0.02191	-0.12468	0.00698	-0.00821	0.85963	-0.1058	0.02222
0.57316	-0.03827	0.40931	0.044237	0.34014	0.064605	0.16337	-0.02639	0.5694
0.59414	-0.05581	0.22865	-0.0419	0.36624	-0.02729	0.55628	-0.04214	0.36357
0.7111	-0.038	0.41258	-0.02196	0.63595	-0.02444	0.59832	-0.0135	0.77108
0.61233	-0.01076	0.81669	-0.00349	0.94007	-0.00207	0.96442	-0.00262	0.95492
0.7074	-0.04154	0.37046	-0.02562	0.58073	-0.02849	0.53909	-0.0099	0.83105
0.56917	-0.01802	0.69765	-0.00677	0.88399	-0.0084	0.85636	-0.01318	0.77628
0.62094	-0.06929	0.13485	-0.04598	0.32145	-0.04053	0.38214	-0.04536	0.32802
0.96942	-0.08313	0.07271	-0.01846	0.6907	-0.04279	0.35619	-0.04786	0.302
0.62664	-0.07924	0.08717	-0.02715	0.55834	-0.03625	0.43452	-0.06194	0.1815
0.75244	-0.0845	0.06809	-0.02085	0.65318	-0.05913	0.20212	-0.04697	0.31115

0.00058	0.199748	1.37E-05	0.147199	0.00142	0.092847	0.04492	0.165293	0.00033
0.54916	-0.00184	0.96845	-0.00464	0.92037	0.02804	0.54555	-0.01497	0.74697
0.37602	0.202359	1.05E-05	0.113427	0.01419	0.204221	8.65E-06	0.163035	0.0004
0.11536	-0.01447	0.75515	-0.01152	0.80387	-0.01549	0.73855	0.049583	0.28495
0.18166	-0.02317	0.61749	-0.02463	0.59548	-0.01873	0.68644	0.047828	0.30236
0.23264	-0.02388	0.6068	-0.02147	0.64348	-0.03334	0.47225	0.021527	0.64264
0.31978	-0.01441	0.75617	-0.03896	0.40097	0.009077	0.8449	-0.04698	0.31105
0.98257	-0.05031	0.27793	-0.04291	0.35484	-0.02403	0.60448	-0.02686	0.56259
0.85031	-0.02368	0.60976	-0.03546	0.44463	-0.01052	0.82057	-0.00445	0.92354
0.08263	0.073255	0.11389	0.03101	0.50381	0.01765	0.70363	0.051558	0.26617
0.38384	-0.01844	0.6911	0.000116	0.99801	-0.01615	0.72771	0.000501	0.99139
0.1851	-0.06313	0.17323	-0.06945	0.13396	-0.04028	0.38512	-0.07014	0.13016
0.98744	-0.03956	0.39365	-0.03509	0.44935	-0.01024	0.82537	-0.00679	0.88357
0.02977	-0.01659	0.72067	-0.00347	0.94035	0.011919	0.79726	-0.02507	0.58895
0.71979	-0.02463	0.59544	-0.02073	0.65507	-0.0114	0.80591	0.008533	0.85409
0.27129	-0.01043	0.82216	-0.0548	0.23719	-0.00337	0.94206	-0.03484	0.45252
0.38423	-0.02153	0.64266	-0.07111	0.12491	-0.04782	0.3024	-0.0336	0.46885
0.10061	-0.13245	0.00414	-0.08229	0.07564	-0.07657	0.0984	-0.07185	0.12101
0.885	0.07311	0.11461	-0.01389	0.76461	0.039166	0.39842	0.038912	0.40149
1.82E-06	-0.33136	1.98E-13	-0.27994	7.42E-10	-0.36497	3.68E-16	-0.32525	5.73E-13
4.45E-08	-0.362	6.61E-16	-0.25544	2.16E-08	-0.35957	1.06E-15	-0.37321	7.00E-17
0.65982	-0.35669	1.86E-15	-0.22824	6.19E-07	-0.3557	2.25E-15	-0.27117	2.58E-09
1.20E-05	-0.21853	1.86E-06	-0.06379	0.16877	-0.14287	0.00197	-0.28295	4.79E-10
0.00411	-0.11184	0.0156	-0.05147	0.26699	-0.16284	0.00041	-0.19609	1.97E-05
0.0011	-0.35821	1.39E-15	-0.22358	1.06E-06	-0.32617	4.89E-13	-0.17874	0.0001
2.24E-11	-0.36637	2.78E-16	-0.24672	6.62E-08	-0.33097	2.12E-13	-0.25194	3.41E-08
0.10536	-0.3834	8.42E-18	-0.31206	5.26E-12	-0.46804	8.46E-27	-0.3639	4.54E-16
5.86E-05	-0.41267	1.25E-20	-0.2686	3.69E-09	-0.38949	2.29E-18	-0.35571	2.24E-15
0.00135	-0.19435	2.35E-05	-0.07421	0.10925	-0.21164	3.96E-06	-0.21932	1.71E-06
4.03E-06	-0.31775	2.05E-12	-0.07043	0.12858	-0.26229	8.72E-09	0.026887	0.56219
2.15E-05	-0.32882	3.09E-13	-0.14519	0.00166	-0.28869	2.05E-10	-0.23703	2.19E-07
3.14E-07	-0.38432	6.93E-18	-0.38818	3.04E-18	-0.49245	6.73E-30	-0.44038	1.42E-23
2.31E-23	-0.48368	9.35E-29	-0.43817	2.49E-23	-0.49003	1.40E-29	-0.59537	3.97E-46
0.13576	-0.18211	7.56E-05	-0.17592	0.00013	-0.27117	2.58E-09	-0.16221	0.00043
0.00014	-0.31364	4.05E-12	-0.33792	6.15E-14	-0.41252	1.30E-20	-0.35436	2.91E-15
3.99E-05	-0.33588	8.87E-14	-0.14193	0.00211	-0.2412	1.32E-07	-0.27225	2.22E-09
0.03457	-0.3915	1.48E-18	-0.26817	3.91E-09	-0.41854	3.14E-21	-0.29135	1.37E-10
2.03E-10	-0.51864	1.64E-33	-0.45938	9.30E-26	-0.55748	1.73E-39	-0.4584	1.22E-25
0.01529	-0.26029	1.14E-08	-0.16315	0.0004	-0.24905	4.93E-08	-0.35742	1.61E-15
3.12E-08	-0.38821	3.02E-18	-0.34066	3.75E-14	-0.40066	1.96E-19	-0.44457	4.81E-24
8.08E-05	-0.15498	0.00078	-0.04156	0.37016	-0.24453	8.72E-08	-0.23319	3.47E-07
0.00454	-0.39442	7.83E-19	-0.22352	1.07E-06	-0.34694	1.18E-14	-0.23373	3.25E-07
0.00023	-0.19899	1.48E-05	-0.0221	0.63379	-0.20207	1.08E-05	-0.27236	2.19E-09
1.59E-09	-0.3093	8.24E-12	-0.24313	1.04E-07	-0.36091	8.19E-16	-0.4511	8.65E-25
2.11E-15	-0.38859	2.78E-18	-0.25694	1.78E-08	-0.37352	6.57E-17	-0.35251	4.14E-15

4.06E-20	-0.44334	6.61E-24	-0.35234	4.27E-15	-0.36082	8.33E-16	-0.47028	4.51E-27
4.81E-05	-0.5181	1.95E-33	-0.32115	1.15E-12	-0.47725	6.14E-28	-0.36805	1.99E-16
1.29E-07	-0.6119	2.60E-49	-0.35703	1.74E-15	-0.50951	3.23E-32	-0.37478	5.07E-17
0.06602	-0.09248	0.04579	-0.0589	0.2039	-0.21582	2.51E-06	-0.15881	0.00057
7.80E-10	-0.42756	3.53E-22	-0.40699	4.65E-20	-0.4982	1.15E-30	-0.54602	1.21E-37
0.13113	-0.32233	9.44E-13	-0.25599	2.01E-08	-0.42734	3.73E-22	-0.17061	0.00021
0.00013	-0.42328	1.00E-21	-0.29019	1.63E-10	-0.39929	2.66E-19	-0.27361	1.83E-09
0.91982	-0.23672	2.27E-07	-0.09095	0.04949	-0.25372	2.70E-08	-0.06712	0.14757
0.00047	-0.38705	3.87E-18	-0.19826	1.59E-05	-0.29664	6.11E-11	-0.26968	3.18E-09
4.24E-05	-0.34138	3.28E-14	-0.21999	1.59E-06	-0.3742	5.72E-17	-0.32517	5.81E-13
0.77734	-0.26352	7.38E-09	-0.19295	2.69E-05	-0.32916	2.91E-13	-0.2508	3.94E-08
1.90E-09	-0.47604	8.70E-28	-0.24902	4.95E-08	-0.36961	1.45E-16	-0.36609	2.95E-16
0.11797	-0.24146	1.28E-07	-0.07778	0.09317	-0.1848	5.88E-05	-0.11897	0.01008
3.85E-06	-0.49738	1.49E-30	-0.37249	8.11E-17	-0.50281	2.73E-31	-0.3803	1.62E-17
0.89298	-0.278	9.81E-10	-0.14436	0.00176	-0.3294	2.79E-13	-0.12914	0.00519
0.51193	-0.11844	0.01042	-0.0337	0.46752	-0.13286	0.00402	0.029062	0.531
0.21003	-0.25649	1.89E-08	-0.19378	2.48E-05	-0.3153	3.08E-12	-0.24874	5.13E-08
1.29E-05	-0.30746	1.11E-11	-0.22201	1.26E-06	-0.36749	2.23E-16	-0.25458	2.42E-08
0.00339	-0.08992	0.05215	-0.00718	0.87709	-0.04888	0.29181	-0.15348	0.00088
5.30E-14	-0.50521	1.28E-31	-0.40555	6.47E-20	-0.47728	6.07E-28	-0.50155	4.05E-31
3.33E-17	-0.3926	1.17E-18	-0.45934	9.40E-26	-0.48974	1.53E-29	-0.43467	6.03E-23
0.07138	-0.32396	7.16E-13	-0.15585	0.00073	-0.29244	1.16E-10	-0.28941	1.84E-10
0.13053	-0.14755	0.00139	-0.09605	0.03799	-0.303	2.26E-11	-0.02815	0.54395
3.61E-09	-0.45583	2.44E-25	-0.21455	2.89E-06	-0.36264	5.83E-16	-0.37614	3.84E-17
0.01896	-0.28445	3.84E-10	-0.17647	0.00013	-0.32973	2.63E-13	-0.10471	0.02363
1.28E-09	-0.4063	5.46E-20	-0.39348	9.62E-19	-0.44153	1.06E-23	-0.4313	1.40E-22
0.06513	-0.31508	3.19E-12	-0.21206	3.78E-06	-0.36967	1.44E-16	-0.15379	0.00085
3.32E-11	-0.52878	5.34E-35	-0.45028	1.07E-24	-0.51549	4.61E-33	-0.46446	2.30E-26
0.11643	-0.38223	1.08E-17	-0.11241	0.01508	-0.2895	1.81E-10	-0.2971	5.69E-11
0.98826	-0.23627	2.40E-07	-0.21957	1.66E-06	-0.41489	7.44E-21	-0.23355	3.32E-07
0.00127	-0.30426	1.85E-11	-0.20339	9.43E-06	-0.36543	3.36E-16	-0.2305	4.76E-07
6.10E-06	-0.38696	3.94E-18	-0.40906	2.90E-20	-0.42272	1.15E-21	-0.28765	2.39E-10
7.65E-10	-0.09864	0.03308	-0.19185	3.00E-05	-0.238	1.95E-07	-0.32327	8.05E-13
5.62E-06	-0.51877	1.56E-33	-0.32083	1.22E-12	-0.46708	1.11E-26	-0.35045	6.10E-15
2.18E-12	-0.4342	6.80E-23	-0.3472	1.12E-14	-0.5075	6.16E-32	-0.45402	3.97E-25
7.93E-18	-0.52053	8.70E-34	-0.46761	9.55E-27	-0.5523	1.20E-38	-0.53745	2.61E-36
7.78E-13	-0.35471	2.72E-15	-0.24591	7.34E-08	-0.34083	3.63E-14	-0.43157	1.31E-22
0.05918	-0.29158	1.32E-10	-0.23305	3.52E-07	-0.32651	4.61E-13	-0.36455	4.00E-16
5.95E-08	-0.53444	7.51E-36	-0.2433	1.02E-07	-0.36877	1.72E-16	-0.37199	8.97E-17
0.00459	-0.47591	9.02E-28	-0.4355	4.90E-23	-0.5276	7.99E-35	-0.40063	1.97E-19
0.12418	-0.1872	4.69E-05	-0.11708	0.01134	-0.19845	1.56E-05	-0.15842	0.00059
0.23024	-0.30415	1.88E-11	-0.13582	0.00327	-0.28007	7.28E-10	-0.14262	0.002
2.68E-05	-0.46718	1.08E-26	-0.35938	1.10E-15	-0.51918	1.37E-33	-0.45075	9.50E-25
0.2203	-0.33118	2.04E-13	-0.29745	5.39E-11	-0.42289	1.10E-21	-0.36086	8.26E-16
7.46E-08	-0.50948	3.26E-32	-0.38494	6.08E-18	-0.54364	2.87E-37	-0.39848	3.19E-19

0.2834	-0.44267	7.86E-24	-0.32183	1.03E-12	-0.51192	1.48E-32	-0.219	1.77E-06
3.51E-08	-0.50917	3.60E-32	-0.34884	8.26E-15	-0.51476	5.87E-33	-0.36465	3.92E-16
2.29E-09	-0.34532	1.59E-14	-0.34246	2.69E-14	-0.43782	2.72E-23	-0.50084	5.06E-31
1.85E-12	-0.55999	6.66E-40	-0.38226	1.07E-17	-0.47429	1.44E-27	-0.50811	5.06E-32
3.96E-11	-0.49446	3.65E-30	-0.19163	3.06E-05	-0.30737	1.13E-11	-0.29344	9.98E-11
0.00113	-0.24985	4.45E-08	-0.25793	1.56E-08	-0.32474	6.25E-13	-0.33977	4.40E-14
0.2219	-0.36764	2.16E-16	-0.30691	1.21E-11	-0.50963	3.11E-32	-0.22984	5.14E-07
3.59E-08	-0.30766	1.07E-11	-0.33343	1.37E-13	-0.39504	6.82E-19	-0.41953	2.47E-21
0.0874	-0.40803	3.67E-20	-0.32745	3.92E-13	-0.45366	4.37E-25	-0.32973	2.63E-13
0.19201	-0.33026	2.40E-13	-0.20964	4.90E-06	-0.3283	3.38E-13	-0.14474	0.00171
0.15445	-0.1497	0.00118	-0.14468	0.00172	-0.22954	5.33E-07	-0.3042	1.87E-11
0.69064	-0.23169	4.14E-07	-0.21692	2.23E-06	-0.32399	7.12E-13	-0.30056	3.32E-11
0.09058	-0.13452	0.00359	-0.05419	0.2425	-0.21593	2.48E-06	0.001591	0.97264
0.00105	-0.3621	6.48E-16	-0.25814	1.52E-08	-0.385	6.00E-18	-0.30651	1.29E-11
4.98E-05	-0.51951	1.22E-33	-0.28047	6.88E-10	-0.41508	7.11E-21	-0.4137	9.83E-21
0.05498	-0.21225	3.71E-06	-0.09273	0.04519	-0.21729	2.14E-06	-0.2419	1.21E-07
2.40E-22	-0.48122	1.93E-28	-0.27086	2.70E-09	-0.35799	1.44E-15	-0.44732	2.34E-24
0.12885	-0.36489	3.74E-16	-0.27367	1.82E-09	-0.43491	5.68E-23	-0.1601	0.00051
1.17E-08	-0.45846	1.19E-25	-0.15078	0.00108	-0.30814	9.93E-12	-0.34683	1.20E-14
0.02322	-0.11761	0.01097	-0.06139	0.1854	-0.20942	5.02E-06	-0.20888	5.31E-06
0.28981	-0.20454	8.37E-06	0.014859	0.74877	-0.17453	0.00015	-0.1634	0.00039
0.44242	-0.29875	4.41E-11	-0.35859	1.29E-15	-0.43613	4.18E-23	-0.24297	1.06E-07
7.14E-05	-0.37837	2.42E-17	-0.14714	0.00143	-0.27044	2.86E-09	-0.25697	1.77E-08
0.85858	-0.18067	8.63E-05	-0.00765	0.86912	-0.17871	0.0001	-0.15859	0.00058
2.32E-07	-0.41434	8.46E-21	-0.31128	5.97E-12	-0.38833	2.94E-18	-0.35988	1.00E-15
7.13E-10	-0.42219	1.31E-21	-0.32732	4.00E-13	-0.41181	1.53E-20	-0.47001	4.87E-27
3.63E-09	-0.29631	6.43E-11	-0.25224	3.28E-08	-0.35299	3.77E-15	-0.40555	6.48E-20
2.70E-09	-0.52185	5.61E-34	-0.47156	3.13E-27	-0.56634	5.76E-41	-0.45438	3.60E-25
4.40E-05	-0.12793	0.00563	-0.12132	0.00868	-0.18329	6.77E-05	-0.299	4.23E-11
0.04834	-0.22818	6.24E-07	-0.19445	2.32E-05	-0.40538	6.73E-20	-0.1841	6.28E-05
0.02005	-0.36144	7.38E-16	-0.19256	2.80E-05	-0.34349	2.23E-14	-0.36329	5.13E-16
0.00035	-0.4725	2.40E-27	-0.30294	2.28E-11	-0.46996	4.94E-27	-0.33471	1.09E-13
9.70E-06	-0.45257	5.85E-25	-0.51253	1.22E-32	-0.53699	3.06E-36	-0.43336	8.40E-23
1.05E-05	-0.36132	7.56E-16	-0.33884	5.21E-14	-0.49372	4.58E-30	-0.39993	2.31E-19
1.65E-07	-0.2931	1.05E-10	-0.17564	0.00014	-0.25324	2.88E-08	-0.30297	2.27E-11
6.40E-07	-0.43522	5.26E-23	-0.28345	4.45E-10	-0.39503	6.84E-19	-0.33004	2.49E-13
6.17E-09	-0.43011	1.89E-22	-0.38004	1.71E-17	-0.50296	2.60E-31	-0.33963	4.52E-14
0.00113	-0.35422	2.99E-15	-0.39701	4.42E-19	-0.4639	2.68E-26	-0.36623	2.86E-16
0.00681	-0.30251	2.44E-11	-0.11831	0.01051	-0.26256	8.40E-09	-0.19263	2.78E-05
2.81E-06	-0.32775	3.72E-13	-0.15253	0.00094	-0.26834	3.82E-09	-0.20346	9.36E-06
0.98467	-0.36556	3.27E-16	-0.15293	0.00091	-0.38287	9.42E-18	-0.20999	4.72E-06
0.00237	-0.40361	1.01E-19	-0.39747	3.99E-19	-0.4974	1.48E-30	-0.40083	1.88E-19
1.65E-07	-0.38941	2.33E-18	-0.27753	1.05E-09	-0.43184	1.23E-22	-0.3529	3.84E-15
6.11E-13	-0.50399	1.88E-31	-0.37404	5.91E-17	-0.49685	1.75E-30	-0.48575	5.06E-29
0.03947	-0.30638	1.32E-11	-0.25064	4.03E-08	-0.3633	5.12E-16	-0.05064	0.27481



2.96E-05	-0.36619	2.89E-16	-0.42396	8.51E-22	-0.48201	1.53E-28	-0.44285	7.51E-24
1.56E-07	-0.33001	2.51E-13	-0.22359	1.06E-06	-0.33296	1.49E-13	-0.31133	5.91E-12
1.04E-05	-0.3942	8.21E-19	-0.39329	1.00E-18	-0.49121	9.82E-30	-0.32102	1.18E-12
2.62E-06	-0.23349	3.34E-07	-0.24604	7.21E-08	-0.30619	1.36E-11	-0.24948	4.67E-08
1.14E-06	-0.21172	3.92E-06	-0.1499	0.00116	-0.15794	0.00061	-0.19909	1.46E-05
8.13E-13	-0.44018	1.49E-23	-0.35791	1.47E-15	-0.47056	4.16E-27	-0.54918	3.81E-38
0.93225	-0.29088	1.47E-10	-0.13564	0.00332	-0.24059	1.42E-07	-0.13374	0.00379
0.7173	-0.28935	1.86E-10	-0.19294	2.70E-05	-0.33381	1.28E-13	-0.1462	0.00153
2.45E-07	-0.38136	1.30E-17	-0.16783	0.00027	-0.23857	1.82E-07	-0.29255	1.14E-10
0.0003	-0.45312	5.05E-25	-0.30787	1.04E-11	-0.43656	3.75E-23	-0.3675	2.22E-16
0.13146	-0.49065	1.16E-29	-0.21669	2.29E-06	-0.41306	1.14E-20	-0.34618	1.36E-14
0.00681	-0.39831	3.31E-19	-0.31306	4.46E-12	-0.42423	7.96E-22	-0.37812	2.55E-17
6.59E-05	-0.3303	2.38E-13	-0.15922	0.00055	-0.25908	1.34E-08	-0.28314	4.66E-10
3.13E-05	-0.25739	1.67E-08	-0.16036	0.0005	-0.21728	2.14E-06	-0.27392	1.75E-09
5.80E-14	-0.49065	1.16E-29	-0.31407	3.77E-12	-0.39016	1.98E-18	-0.4194	2.55E-21
5.91E-21	-0.30336	2.14E-11	-0.24243	1.13E-07	-0.2986	4.51E-11	-0.45733	1.62E-25
3.77E-08	-0.28942	1.84E-10	-0.15017	0.00113	-0.24746	6.03E-08	-0.31929	1.58E-12
3.49E-06	-0.411	1.85E-20	-0.29842	4.64E-11	-0.44613	3.20E-24	-0.4041	9.00E-20
0.00503	-0.03414	0.46178	-0.04088	0.37813	-0.17082	0.00021	-0.14393	0.00182
0.31388	0.103851	0.02481	0.006997	0.88013	0.056778	0.22069	0.050234	0.27866
0.0142	0.273845	1.77E-09	0.174367	0.00015	0.328615	3.20E-13	0.012682	0.7846
0.13247	0.125105	0.00679	0.044595	0.33625	0.182816	7.08E-05	0.1057	0.02234
0.32569	0.092469	0.0458	0.029906	0.51914	0.095277	0.03958	0.030209	0.51491
0.94159	0.121249	0.00872	0.131458	0.00443	0.144556	0.00174	0.030591	0.5096
0.16273	0.078184	0.09148	0.015451	0.73912	0.092709	0.04524	-0.02404	0.60427
0.39772	0.161406	0.00046	0.006793	0.8836	0.078667	0.08949	0.021989	0.63551
0.87505	0.126869	0.00604	0.056586	0.22226	0.10583	0.02218	0.05668	0.22149
0.66058	0.1267	0.00611	0.039699	0.39204	0.136595	0.0031	0.077282	0.0953
0.91192	0.144822	0.0017	0.057699	0.21329	0.180611	8.68E-05	0.094855	0.04047
0.12759	0.004662	0.91996	0.017009	0.71391	0.071098	0.12496	-0.08136	0.07901
0.02598	0.378581	2.31E-17	0.274715	1.57E-09	0.34271	2.57E-14	0.257404	1.67E-08
0.0112	0.027423	0.55443	0.011685	0.80116	0.069662	0.13279	-0.0174	0.70758
0.4364	0.113352	0.01425	0.028017	0.54588	0.147008	0.00144	0.049425	0.28648
0.36926	0.135585	0.00333	0.03013	0.516	0.121526	0.00857	0.019337	0.67682
0.76415	0.123997	0.0073	-0.01057	0.81976	0.077965	0.0924	0.050221	0.27878
0.00024	0.055536	0.23097	0.016664	0.71946	0.202282	1.06E-05	-0.04121	0.37422
0.61511	0.111976	0.01548	0.029835	0.52012	0.107612	0.02002	0.030426	0.51189
0.38944	0.110346	0.01706	0.076803	0.09737	0.093252	0.04399	0.024734	0.59392
0.00285	-0.02386	0.60698	-0.04612	0.31993	0.042217	0.36267	-0.07851	0.09012
0.3783	0.101655	0.02805	0.02304	0.61945	0.090306	0.05114	0.066711	0.15005
0.63938	0.129133	0.00519	0.03583	0.43983	0.117833	0.01082	0.059529	0.1991
0.0021	0.026713	0.56474	-0.07568	0.10238	0.024461	0.59801	-0.04787	0.3019
0.06855	0.077814	0.09303	-0.01893	0.68326	0.069386	0.13433	-0.02631	0.57064
0.65293	0.162445	0.00042	0.033732	0.4671	0.107774	0.01983	0.038838	0.40238
0.00129	-0.00752	0.87128	-0.06006	0.19512	0.066912	0.14881	-0.04177	0.36776

0.54716	0.247585	5.94E-08	0.182364	7.38E-05	0.236588	2.31E-07	0.108654	0.01884
0.9324	0.061667	0.18341	0.066339	0.15234	0.11171	0.01573	0.063761	0.16895
0.61669	-0.00592	0.89841	-0.01493	0.74761	-0.02447	0.59788	0.047847	0.30216
0.16623	0.109315	0.01812	-0.00247	0.95756	0.103484	0.02533	0.026861	0.56257
0.73835	0.18058	8.70E-05	0.094756	0.04068	0.151808	0.001	0.071194	0.12446
0.08159	0.046662	0.31431	-0.02983	0.52019	0.068837	0.13745	-0.0059	0.89885
0.11673	0.369196	1.58E-16	0.210685	4.38E-06	0.327851	3.65E-13	0.189905	3.62E-05
0.7377	0.115799	0.01227	0.096781	0.03655	0.132809	0.00404	0.077113	0.09602
0.00066	-0.16585	0.00032	-0.17095	0.00021	-0.09172	0.0476	-0.19928	1.43E-05
4.93E-05	0.059203	0.20157	-0.05077	0.27354	0.104001	0.02461	0.00046	0.99208
0.33306	0.025956	0.57582	0.016195	0.72705	0.078726	0.08925	-0.01809	0.6966
0.01992	0.065153	0.15982	0.006229	0.89321	0.073983	0.11033	-0.02124	0.64705
0.01927	0.109189	0.01826	0.046951	0.31132	0.128647	0.00537	0.037447	0.41947
0.01756	-0.00464	0.92033	-0.09274	0.04518	0.034429	0.45794	-0.02775	0.54969
0.42902	0.055847	0.22837	-0.00196	0.96624	0.08449	0.06812	-0.00463	0.92057
0.03914	0.078697	0.08937	0.012597	0.78601	0.119945	0.00947	-0.00498	0.91451
0.20896	0.114062	0.01365	0.077433	0.09465	0.2143	2.97E-06	0.063849	0.16836
0.03796	0.274854	1.54E-09	0.256907	1.78E-08	0.384909	6.11E-18	0.08233	0.0755
0.97297	0.100038	0.03066	-0.01105	0.81173	0.041118	0.37532	0.035434	0.44492
0.01113	0.159147	0.00056	-0.02058	0.65734	0.174409	0.00015	-0.03508	0.4495
0.59742	0.141342	0.0022	7.88E-05	0.99864	0.073484	0.11277	0.032281	0.48649
0.50043	0.077033	0.09637	0.003098	0.94676	0.098811	0.03277	0.042969	0.35419
0.13622	0.09601	0.03808	0.031202	0.50118	0.075025	0.10539	0.046391	0.31714
0.0647	0.142426	0.00203	0.0444	0.33837	0.118104	0.01064	0.062084	0.18046
0.53754	0.078953	0.08833	0.032253	0.48686	0.116153	0.01201	0.028308	0.54171
0.07389	0.157352	0.00064	0.131693	0.00436	0.251541	3.59E-08	0.077859	0.09284
0.32213	0.162795	0.00041	0.081084	0.08005	0.156712	0.00068	0.08882	0.0551
0.00186	0.053815	0.24577	-0.02176	0.63906	0.098321	0.03366	-0.02699	0.56069
0.00797	0.021866	0.63742	-0.04153	0.37053	0.02555	0.5818	-0.10128	0.02863
0.18586	0.005431	0.90682	-0.06008	0.19493	0.052754	0.25522	-0.06274	0.17587
0.00027	0.180421	8.83E-05	-0.01376	0.76686	0.219363	1.70E-06	-0.05404	0.24378
0.8681	0.061927	0.18156	-0.01234	0.79031	0.103643	0.02511	0.016524	0.72173
0.0575	0.109608	0.01782	0.028496	0.53903	0.144276	0.00177	0.011141	0.81024
0.34246	0.209796	4.82E-06	0.114511	0.01328	0.203766	9.07E-06	0.11447	0.01332
0.31422	0.109667	0.01775	0.0294	0.52622	0.117803	0.01084	-0.01513	0.7443
0.69072	0.195785	2.04E-05	0.122404	0.0081	0.222572	1.19E-06	0.04036	0.38419
0.18842	0.070784	0.12665	0.020897	0.6524	0.049043	0.29023	0.07561	0.1027
0.87696	0.19297	2.69E-05	0.067174	0.14723	0.175586	0.00014	0.096745	0.03662
0.05632	0.229105	5.60E-07	0.193656	2.51E-05	0.236416	2.36E-07	0.169395	0.00024
2.57E-05	0.243912	9.41E-08	0.103831	0.02484	0.226845	7.28E-07	0.022921	0.62126
0.81808	0.200093	1.32E-05	0.124094	0.00726	0.244931	8.29E-08	0.069776	0.13215
0.841	0.078516	0.09011	-0.05056	0.27553	0.024097	0.60347	0.027312	0.55603
0.0499	0.067359	0.14611	-0.05635	0.22423	0.024425	0.59855	0.012067	0.7948
0.02395	0.122395	0.0081	0.031914	0.49146	0.045999	0.32125	0.155554	0.00074
0.53059	0.050908	0.27225	-0.04042	0.38345	0.031972	0.49067	0.070543	0.12794

0.38692	0.058251	0.20893	0.068341	0.14031	0.143069	0.00194	0.069738	0.13236
0.21127	0.075781	0.10192	0.014065	0.76177	0.083841	0.07027	-0.00536	0.90806
0.32106	0.077141	0.0959	0.004761	0.91827	0.085231	0.06573	0.019507	0.67414
0.34016	0.093096	0.04435	-0.00697	0.88057	0.049664	0.28416	0.033859	0.46543
0.95549	0.147847	0.00136	0.053006	0.25295	0.151633	0.00101	0.056703	0.2213
1.08E-11	-0.17065	0.00021	-0.23868	1.79E-07	-0.12415	0.00723	-0.23094	4.52E-07
0.03835	0.093657	0.04308	-0.00497	0.91471	0.088174	0.0569	-0.04395	0.34325
0.01187	0.045647	0.32496	-0.02139	0.64469	0.023801	0.60792	-0.04699	0.31092
0.0983	0.045737	0.32401	0.002191	0.96233	0.108355	0.01917	-0.02747	0.55372
0.06171	0.205142	7.86E-06	0.168159	0.00026	0.265208	5.87E-09	0.107578	0.02006
0.00323	0.03388	0.46515	0.017483	0.7063	0.126323	0.00627	-0.01827	0.69374
0.0925	0.313005	4.50E-12	0.164527	0.00036	0.30474	1.71E-11	0.184388	6.11E-05
0.0136	-0.00382	0.93433	-0.00992	0.83076	0.186453	5.03E-05	-0.02139	0.6448
0.19399	0.080534	0.08212	0.015762	0.73406	0.116143	0.01202	0.018404	0.69161
0.35443	-0.04843	0.29626	-0.07968	0.08543	-0.01255	0.78671	-0.0359	0.43898
0.769	0.051091	0.27053	0.004429	0.92395	0.062693	0.17621	0.072212	0.11915
0.02587	-0.01158	0.80288	0.004705	0.91922	0.039833	0.39044	-0.08249	0.07493
0.33488	0.074228	0.10916	0.029051	0.53116	0.127687	0.00572	0.029598	0.52344
6.96E-07	-0.11114	0.01627	-0.05855	0.20658	-0.04116	0.37481	-0.16129	0.00047
0.24347	0.045389	0.32771	-0.03012	0.5162	0.047943	0.30119	0.014845	0.749
0.32107	0.136102	0.00321	0.048934	0.2913	0.133622	0.00382	0.047894	0.30169
0.84075	-0.01999	0.66655	-0.06109	0.18757	-0.03637	0.43298	0.030157	0.51563
1.66E-05	-0.04188	0.36652	-0.11541	0.01257	-0.05597	0.22735	-0.13243	0.00415
0.00131	0.140886	0.00228	0.032179	0.48787	0.208742	5.39E-06	-0.00569	0.90236
0.01209	-0.07357	0.11235	-0.06209	0.18043	0.057871	0.21192	-0.06682	0.14939
0.0003	0.066692	0.15016	0.05059	0.27526	0.196115	1.97E-05	-0.04944	0.28634
0.42505	0.007428	0.8728	-0.0079	0.86486	0.039786	0.39099	-0.02367	0.60993
0.10172	0.062516	0.17744	-0.03461	0.45556	0.112556	0.01495	0.042992	0.35393
0.00693	0.084173	0.06916	0.065595	0.157	0.191549	3.09E-05	0.031749	0.4937
0.00016	0.093631	0.04313	0.008641	0.85226	0.1754	0.00014	-0.04717	0.30905
0.39988	0.152311	0.00096	0.159067	0.00056	0.291413	1.36E-10	0.172463	0.00018
0.31236	0.168246	0.00026	0.130159	0.00484	0.29037	1.59E-10	0.138803	0.00265
0.08425	0.029759	0.52119	-0.00977	0.8333	0.081801	0.0774	0.008595	0.85304
0.98439	0.104786	0.02354	0.000115	0.99802	0.144837	0.0017	0.063303	0.17204
0.4041	0.110758	0.01664	0.033397	0.47154	0.112506	0.015	0.00432	0.92582
0.1507	0.058032	0.21065	0.036766	0.42797	0.084218	0.06902	-0.01272	0.78404
0.00033	0.064142	0.16641	-0.03749	0.41888	0.070337	0.12906	-0.05403	0.24392
0.00816	0.000542	0.99068	-0.05249	0.25762	0.018571	0.68895	-0.06283	0.17526
2.20E-05	0.035685	0.44169	-0.02211	0.63365	0.095848	0.03841	-0.05201	0.26195
0.14751	0.006838	0.88284	0.038817	0.40264	0.081729	0.07766	-0.0313	0.49984
0.16787	0.065617	0.15686	-0.02848	0.53926	0.057516	0.21474	-0.13371	0.0038
0.50122	0.260432	1.12E-08	0.168726	0.00025	0.280431	6.91E-10	0.120891	0.00892
0.00035	0.123909	0.00734	-0.00202	0.96522	0.058675	0.20563	-0.0562	0.2254
0.65723	0.115057	0.01285	0.0671	0.14768	0.149275	0.00121	0.038182	0.41039
0.81604	0.095284	0.03956	0.036389	0.43273	0.150037	0.00115	0.063976	0.16751

0.38068	0.030476	0.5112	0.002023	0.96523	0.13208	0.00425	0.062665	0.17641
4.47E-05	0.00199	0.96578	0.097122	0.03589	0.13565	0.00331	-0.02368	0.60977
0.00136	-0.05883	0.20442	0.067176	0.14721	0.093148	0.04423	-0.00322	0.94459
1.63E-05	0.196811	1.84E-05	0.175404	0.00014	0.290741	1.50E-10	-0.01805	0.69724
0.00085	0.015693	0.73518	0.000652	0.98879	0.092534	0.04565	-0.05875	0.20504
7.20E-05	0.053429	0.24918	0.013249	0.77522	0.066862	0.14912	-0.04695	0.31135
0.58747	0.044222	0.34031	-0.02447	0.59789	0.028629	0.53714	0.001301	0.97763
0.04003	0.226616	7.47E-07	0.103965	0.02465	0.063	0.1741	0.316806	2.40E-12
0.8259	0.206405	6.89E-06	0.00173	0.97025	-0.05972	0.19767	0.153278	0.00089
0.26392	0.232494	3.76E-07	0.083692	0.07077	0.255422	2.17E-08	0.040118	0.38705
0.90431	0.127697	0.00572	0.014146	0.76044	0.085908	0.06361	0.07158	0.12242
0.18109	0.093385	0.04369	0.000538	0.99076	0.069854	0.13172	0.045386	0.32774
0.63587	0.077238	0.09548	-0.00511	0.9123	0.103996	0.02461	0.048007	0.30055
0.53372	0.107851	0.01974	0.031846	0.49238	0.137245	0.00296	0.027175	0.55802
0.0278	0.008562	0.85359	-0.0609	0.18894	0.002562	0.95596	-0.04636	0.31751
0.06991	0.190588	3.39E-05	0.117522	0.01103	0.166661	0.0003	0.12188	0.00837
0.17921	0.098794	0.0328	0.057631	0.21382	0.125813	0.00648	-0.00677	0.88391
0.0004	0.374504	5.37E-17	0.16118	0.00047	0.361605	7.14E-16	0.137222	0.00296
0.09345	0.171548	0.0002	0.103767	0.02493	0.204869	8.09E-06	0.048273	0.29787
0.02197	0.074831	0.1063	0.024357	0.59957	0.099825	0.03102	0.032897	0.4782
0.27656	0.003896	0.93309	0.074895	0.106	0.063377	0.17154	0.067655	0.14435
0.01448	-0.01965	0.67194	-0.05053	0.2758	0.019897	0.66802	-0.04471	0.33499
0.29391	0.029386	0.52642	-0.0115	0.80419	0.002458	0.95776	-0.0719	0.12074
0.03452	0.191746	3.03E-05	0.121564	0.00854	0.204422	8.47E-06	0.046233	0.31878
0.04781	0.301535	2.85E-11	0.179483	9.62E-05	0.286958	2.65E-10	0.17009	0.00022
0.00613	0.067027	0.14812	0.022701	0.62461	0.165221	0.00034	-0.02894	0.5327
0.29049	0.058688	0.20553	-0.0098	0.83264	0.074998	0.10552	0.044838	0.33363
0.01043	0.079591	0.08578	-0.03671	0.42867	0.086881	0.06065	-0.08898	0.05467
0.66161	0.062934	0.17456	0.011721	0.80056	0.098002	0.03424	0.124671	0.00699
0.01329	0.076051	0.1007	0.007414	0.87305	0.129118	0.0052	-0.05847	0.20722
0.11623	0.294036	9.12E-11	0.172126	0.00019	0.303606	2.05E-11	0.204915	8.05E-06
0.01351	0.146459	0.00151	0.041559	0.37021	0.057961	0.21121	0.036122	0.43612
0.15068	0.174933	0.00014	0.07118	0.12453	0.13324	0.00392	0.105837	0.02217
0.29199	0.115781	0.01229	0.055311	0.23287	0.116821	0.01152	0.126442	0.00622
0.48479	0.176866	0.00012	0.079184	0.0874	0.17851	0.00011	0.067337	0.14625
0.15241	0.401074	1.78E-19	0.208576	5.48E-06	0.300586	3.31E-11	0.189773	3.67E-05
0.39669	0.011536	0.80364	0.004333	0.92559	0.019952	0.66716	0.061591	0.18395
0.18996	-0.11338	0.01422	-0.14504	0.00168	-0.07664	0.0981	-0.09259	0.04552
0.59954	0.105465	0.02264	0.024585	0.59615	0.106226	0.02168	0.037799	0.41511
0.03898	0.154612	0.0008	0.026536	0.56732	0.192103	2.92E-05	0.04575	0.32387
0.05584	0.020602	0.657	-0.02905	0.53118	0.057189	0.21737	-0.02997	0.51818
0.24211	0.111699	0.01574	0.075616	0.10267	0.168051	0.00026	0.112259	0.01522
0.13991	0.315204	3.13E-12	0.183445	6.68E-05	0.319532	1.52E-12	0.161926	0.00044
0.56873	0.056547	0.22258	0.025724	0.57924	0.092596	0.04551	0.046818	0.31269
0.79707	0.142792	0.00198	0.137669	0.00287	0.16035	0.0005	0.088797	0.05516

0.11588	0.206334	6.94E-06	0.127768	0.00569	0.191599	3.07E-05	0.078468	0.09031
0.20581	0.188494	4.14E-05	0.121813	0.00841	0.201521	1.14E-05	0.044132	0.3413
0.68808	0.060804	0.18963	0.003239	0.94434	0.074464	0.10803	0.011654	0.80167
0.07813	-0.03599	0.43774	-0.13747	0.00291	-0.07	0.13091	-0.00732	0.87465
0.47973	0.036146	0.43581	-0.06189	0.18184	-0.00622	0.89333	0.004665	0.91991
0.01578	0.025255	0.58617	-0.02698	0.56088	0.083823	0.07033	-0.04677	0.31323
0.13767	0.0944	0.04144	0.031044	0.50335	0.087625	0.05847	-0.03846	0.40704
0.00055	0.008918	0.84758	-0.02984	0.52	0.067135	0.14746	0.010866	0.81483
0.62773	0.096804	0.0365	0.05153	0.26643	0.078043	0.09207	0.061211	0.18668
0.18483	0.07997	0.08429	0.008448	0.85552	0.049654	0.28425	0.035811	0.44009
0.00045	0.042629	0.35801	0.033996	0.46361	0.159663	0.00053	-0.00111	0.98089
0.98862	0.175853	0.00013	0.075437	0.10349	0.114984	0.0129	0.073467	0.11285
0.96652	0.120146	0.00935	0.033745	0.46693	0.106704	0.02109	0.063537	0.17045
0.01259	0.013733	0.76723	-0.05852	0.20685	0.038376	0.40801	-0.05848	0.20715
0.10546	0.062274	0.17913	-0.0297	0.52201	0.07631	0.09955	0.001771	0.96955
0.06449	0.089674	0.0528	0.024291	0.60056	0.141018	0.00225	0.011388	0.80612
0.4422	0.085392	0.06522	-0.00297	0.94893	0.086371	0.06218	0.061713	0.18308
0.13417	0.023158	0.61765	-0.04432	0.33925	0.021207	0.6476	-0.03526	0.44714
0.00229	0.103402	0.02545	0.079883	0.08463	0.152406	0.00095	-0.00235	0.95955
0.00163	0.000103	0.99822	-0.03959	0.39328	0.05386	0.24538	-0.02927	0.52806
0.05854	0.059297	0.20086	-0.00142	0.97559	0.070985	0.12557	-0.00639	0.89041
0.02439	0.023149	0.61779	-0.01432	0.75766	0.054697	0.23811	-0.04586	0.32273
0.95683	0.090599	0.05039	0.080126	0.08369	0.094355	0.04154	0.097589	0.03501
0.49336	0.080461	0.0824	-0.03097	0.50435	0.058411	0.20769	0.008277	0.85842
0.02118	0.02022	0.66296	-0.03843	0.40741	0.023729	0.609	-0.02895	0.53259
0.59488	0.207657	6.04E-06	0.078104	0.09181	0.209377	5.04E-06	0.044291	0.33956
0.90768	0.132373	0.00416	0.058758	0.20499	0.11505	0.01285	0.083533	0.07131
0.36333	0.251861	3.44E-08	0.066682	0.15022	0.250422	4.14E-08	0.135535	0.00334
0.32395	0.173518	0.00016	0.114897	0.01297	0.257166	1.72E-08	0.151578	0.00102
0.46485	0.335184	1.00E-13	0.183192	6.84E-05	0.279678	7.71E-10	0.142256	0.00206
0.03038	0.089937	0.0521	-0.01247	0.78809	0.027275	0.55657	0.035842	0.43968
8.15E-06	-0.02061	0.65692	0.032601	0.48217	0.229516	5.34E-07	-0.11604	0.01209
0.66087	0.127296	0.00587	0.002292	0.9606	0.129975	0.00491	0.064548	0.16374
0.01777	0.005142	0.91176	0.001205	0.97928	0.131408	0.00445	0.003207	0.94489
0.64701	0.070541	0.12796	-0.01867	0.68737	0.036979	0.4253	0.08295	0.07332
0.89683	0.167828	0.00027	0.10193	0.02763	0.191585	3.08E-05	0.072324	0.11857
0.61664	0.165921	0.00032	0.103849	0.02482	0.185725	5.39E-05	0.040307	0.38481
9.74E-06	-0.01268	0.78465	-0.05649	0.22301	0.123526	0.00753	-0.07472	0.1068
0.00041	0.005162	0.91142	-0.03226	0.48682	0.13514	0.00343	-0.05335	0.2499
0.00233	-0.01605	0.72946	-0.05507	0.23493	0.09047	0.05072	-0.06009	0.19491
0.93055	0.22752	6.73E-07	0.157176	0.00065	0.291796	1.28E-10	0.129309	0.00513
0.85524	0.10344	0.02539	-0.00646	0.88922	0.04933	0.28741	0.007332	0.87444
0.46767	0.098358	0.03359	0.011109	0.81078	0.084817	0.06705	0.017053	0.7132
0.03866	0.147463	0.0014	0.09177	0.04748	0.275742	1.35E-09	0.111976	0.01548
0.79957	0.03483	0.45272	-0.04792	0.30139	-0.0024	0.95878	-0.06468	0.16288

0.15849	0.063127	0.17323	0.005869	0.89934	0.06323	0.17253	-0.03481	0.45303
0.25979	0.026151	0.57295	0.006464	0.88921	0.011899	0.7976	0.048035	0.30026
0.00332	0.080001	0.08417	0.009417	0.83917	0.077165	0.0958	-0.04661	0.31485
0.04156	0.050378	0.27728	-0.00541	0.90722	0.110657	0.01675	0.043562	0.34757
0.1915	-0.00313	0.94629	-0.01488	0.74846	0.068432	0.13978	-0.00324	0.94429
0.95818	0.110619	0.01678	0.025088	0.58865	0.092992	0.04459	0.049811	0.28273
0.05049	0.010902	0.81423	-0.01707	0.71293	0.059973	0.19576	-0.04329	0.35056
0.56707	0.081248	0.07943	0.116215	0.01196	0.084071	0.0695	0.164451	0.00036
0.02164	0.086584	0.06154	-0.01669	0.71898	0.170307	0.00022	0.042754	0.3566
0.00516	0.01893	0.68325	-0.03455	0.4564	0.057342	0.21614	-0.01301	0.77914
0.0625	0.233442	3.36E-07	0.151025	0.00106	0.323181	8.17E-13	0.085281	0.06557
0.00037	0.130339	0.00479	0.04661	0.31485	0.196813	1.84E-05	-0.04268	0.35745
0.16841	0.031322	0.49954	-0.02392	0.60614	0.043623	0.3469	-0.00474	0.91865
0.72845	0.102384	0.02694	0.028958	0.53246	0.085359	0.06532	0.020288	0.66189
0.39746	0.095875	0.03835	-0.01178	0.79964	0.053498	0.24857	-0.03205	0.48956
0.18552	0.126938	0.00602	0.142878	0.00197	0.250189	4.26E-08	0.030294	0.51373
0.61009	-0.05432	0.24136	-0.01273	0.78376	-0.02841	0.54027	0.013732	0.76725
0.30071	-0.04231	0.36161	-0.01664	0.71993	-0.0184	0.69168	-0.00897	0.84667
0.01337	-0.04929	0.28778	-0.08958	0.05304	-0.02525	0.58629	-0.06818	0.14124
0.00209	0.00429	0.92634	-0.03389	0.465	0.051683	0.26501	-0.06345	0.17103
0.00067	-0.01995	0.66712	-0.081	0.08037	0.044859	0.3334	-0.07026	0.1295
0.02366	0.063805	0.16865	-0.00034	0.99414	0.081581	0.07821	-0.02104	0.65025
0.00663	0.002795	0.95197	-0.04683	0.31261	0.053709	0.2467	-0.04246	0.35997
0.10652	0.078956	0.08832	-0.02174	0.63936	0.088998	0.05461	-0.02218	0.63256
0.00269	-0.03	0.51787	-0.08511	0.06612	0.016691	0.71903	-0.06044	0.19228
0.00165	-0.01801	0.69785	-0.07212	0.11963	0.014138	0.76058	-0.05385	0.24546
0.02786	0.072409	0.11814	0.009719	0.83408	0.126351	0.00625	0.003878	0.93339
0.08102	0.047567	0.30501	0.014259	0.75859	0.156118	0.00071	0.00237	0.95926
0.12808	0.001265	0.97824	-0.01301	0.77923	0.033853	0.4655	-0.037	0.42507
0.8648	0.094242	0.04178	0.046691	0.31401	0.085902	0.06362	0.055201	0.2338
0.31659	0.112473	0.01503	0.032866	0.47862	0.087033	0.0602	0.071439	0.12316
0.34764	0.125463	0.00663	0.015651	0.73586	0.164996	0.00034	0.040132	0.38688
0.22468	-0.00222	0.96181	-0.0304	0.51222	0.025913	0.57644	-0.00268	0.95392
0.14438	0.159085	0.00056	0.001976	0.96603	0.096765	0.03658	0.054027	0.24392
0.4542	0.061541	0.18431	-0.00605	0.89621	0.055722	0.22941	0.036382	0.43282
0.31353	0.060348	0.19298	-0.01532	0.7412	0.037911	0.41373	-0.01348	0.77134
0.00076	-0.03365	0.46815	-0.10923	0.01821	0.000702	0.98792	-0.08149	0.07856
0.87073	0.130092	0.00487	0.028344	0.54121	0.115188	0.01274	0.042565	0.35873
0.84676	0.024116	0.60318	0.000947	0.98371	0.042855	0.35546	0.104659	0.02371
0.20304	-0.00816	0.86046	-0.03242	0.4846	-0.00405	0.93039	-0.02629	0.57097
0.06444	0.046875	0.3121	0.032878	0.47846	0.085444	0.06505	0.099906	0.03088
0.28435	0.125808	0.00648	0.023944	0.60576	0.14227	0.00206	0.026452	0.56855
0.08274	-0.0353	0.4467	-0.06075	0.19006	0.050646	0.27473	-0.01262	0.78569
0.13369	0.032557	0.48276	-0.01927	0.67791	0.081328	0.07914	0.006852	0.8826
0.1033	-0.0325	0.48348	-0.06097	0.18842	0.01913	0.68009	0.016568	0.72102

0.21594	0.068195	0.14117	-0.05947	0.19953	-0.0048	0.91768	0.193199	2.63E-05
0.75856	0.14038	0.00236	0.04087	0.37821	0.145082	0.00167	0.067653	0.14436
0.00053	0.3021	2.60E-11	0.098988	0.03246	0.156401	0.00069	0.197846	1.66E-05
0.16944	0.137132	0.00298	0.022459	0.62832	0.237408	2.09E-07	0.104553	0.02385
0.79069	0.092811	0.045	0.02514	0.58788	0.078325	0.0909	0.031506	0.49701
0.54302	0.097407	0.03535	0.008055	0.86217	0.073461	0.11288	0.015758	0.73412
0.01984	0.023199	0.61704	0.069892	0.13151	0.150546	0.0011	0.02114	0.64863
0.01809	0.034015	0.46337	-0.01557	0.73711	0.024792	0.59306	0.005522	0.90527
0.02816	0.098642	0.03308	0.018553	0.68924	0.048359	0.29702	0.018258	0.69392
0.22696	0.070465	0.12837	0.036709	0.42869	0.088633	0.05562	-0.01408	0.76155
0.59645	0.041986	0.36531	-0.0496	0.28477	-0.00729	0.87519	0.044008	0.34266
0.59206	0.180623	8.67E-05	0.070059	0.13059	0.167339	0.00028	0.092561	0.04559
0.56138	0.163872	0.00038	0.057096	0.21812	0.126051	0.00638	0.094686	0.04083
0.65779	0.104546	0.02386	0.004174	0.92832	0.081215	0.07956	0.034521	0.45674
0.79276	0.159948	0.00052	0.051567	0.26609	0.145848	0.00158	0.072391	0.11823
0.11659	0.047646	0.30421	-0.07361	0.11216	0.021	0.6508	-0.07573	0.10215
0.18362	-0.05729	0.21658	-0.1229	0.00784	-0.01065	0.8184	-0.06036	0.19291
0.04742	0.064888	0.16152	0.003777	0.93512	0.062718	0.17604	0.030855	0.50596
0.23981	0.08047	0.08237	0.015386	0.74018	0.134558	0.00358	0.039332	0.39642
0.05388	0.06278	0.17561	0.027825	0.54863	0.106689	0.02111	0.024769	0.59341
0.32432	0.034332	0.45921	-0.03612	0.43612	0.057726	0.21307	0.009802	0.83268
0.74509	0.12046	0.00917	0.199775	1.36E-05	0.279495	7.91E-10	0.117735	0.01089
0.83435	0.266858	4.69E-09	0.138783	0.00265	0.194657	2.28E-05	0.180159	9.04E-05
0.00565	0.016316	0.72509	-0.01247	0.78811	0.084165	0.06919	-0.02718	0.55793
0.80286	0.095054	0.04005	0.008042	0.86239	0.06187	0.18197	0.036243	0.43459
0.76636	0.024707	0.59433	0.021461	0.64365	0.071146	0.12471	0.006142	0.89469
0.46596	0.070432	0.12855	-0.00934	0.8404	0.071835	0.12109	0.003753	0.93554
0.0028	0.311265	5.98E-12	0.126889	0.00604	0.282829	4.87E-10	0.055046	0.23512
0.47218	0.099516	0.03154	0.037649	0.41696	0.114369	0.0134	0.022684	0.62488
0.05129	0.035707	0.4414	-0.01128	0.80792	0.085474	0.06496	0.000628	0.9892
0.18885	0.027347	0.55552	-0.03064	0.50886	0.175048	0.00014	0.002471	0.95753
6.06E-09	-0.00343	0.94107	-0.01788	0.69987	0.095158	0.03983	-0.10962	0.0178
0.47096	0.209907	4.76E-06	0.155233	0.00076	0.274714	1.57E-09	0.197882	1.65E-05
0.0002	0.167836	0.00027	0.033743	0.46696	0.061252	0.18638	0.108245	0.01929
0.14778	0.119292	0.00987	-0.00056	0.99031	0.102074	0.02741	0.004136	0.92897
0.61165	0.169635	0.00023	0.073989	0.11031	0.140189	0.00239	0.061545	0.18428
0.00179	0.033829	0.46581	-0.00033	0.99435	0.063636	0.16979	-0.04421	0.34048
0.11564	-0.0066	0.88681	-0.00775	0.86735	0.029566	0.52389	-0.03563	0.44239
0.95314	0.12036	0.00923	0.005952	0.89793	0.12727	0.00588	0.066328	0.1524
0.34356	0.067249	0.14678	0.021447	0.64388	0.092604	0.04549	-0.00537	0.90786
0.22717	0.072117	0.11963	-0.00743	0.87277	0.057698	0.21329	-0.02091	0.6522
0.18212	0.064138	0.16644	0.028732	0.53568	0.086806	0.06087	0.029364	0.52674
0.72111	0.117386	0.01113	0.039357	0.39613	0.104965	0.0233	0.020062	0.66544
0.81647	0.174478	0.00015	0.100537	0.02983	0.149966	0.00115	0.098594	0.03316
0.00028	0.029506	0.52473	-0.01693	0.71519	0.089247	0.05394	-0.07611	0.10045

0.02579	0.06616	0.15345	0.000296	0.99491	0.143476	0.00188	0.011873	0.79803
1.31E-06	0.003849	0.93389	-0.04776	0.30305	0.167534	0.00028	-0.08982	0.05241
0.00782	-0.03571	0.44136	-0.11455	0.01325	-0.01268	0.78462	-0.0792	0.08735
9.73E-05	0.222326	1.22E-06	0.132631	0.00409	0.317502	2.13E-12	0.052614	0.25649
0.06847	0.15762	0.00063	0.111238	0.01618	0.240685	1.40E-07	0.24175	1.23E-07
0.21828	0.049273	0.28797	-0.06662	0.1506	0.036603	0.43003	-0.01645	0.72295
0.05585	0.150151	0.00114	0.020549	0.65782	0.140523	0.00234	0.019679	0.67145
0.226	0.189132	3.90E-05	0.008352	0.85714	0.056419	0.22363	-0.03323	0.4738
0.04154	0.025522	0.58221	0.036973	0.42537	0.059185	0.20171	-0.04329	0.35054
0.18354	0.064933	0.16123	-0.02341	0.61381	0.056498	0.22298	-0.05606	0.22658
0.2961	0.094498	0.04123	0.043727	0.34575	0.103262	0.02565	0.002542	0.95631
0.13144	0.147007	0.00144	0.015741	0.7344	0.166656	0.0003	0.037451	0.41942
0.00282	0.012844	0.78192	-0.06123	0.18653	0.083333	0.07199	-0.01935	0.6767
0.20529	-0.03175	0.49363	-0.01056	0.81998	0.064291	0.16542	0.036349	0.43324
0.00435	0.051713	0.26473	-0.0115	0.80431	0.071211	0.12436	0.001189	0.97956
0.77683	0.241164	1.32E-07	0.107834	0.01976	0.2496	4.60E-08	0.141775	0.00213
0.2177	0.25398	2.62E-08	0.099677	0.03127	0.31415	3.72E-12	0.168102	0.00026
0.02821	-0.02517	0.58739	-0.09323	0.04405	0.043761	0.34538	-0.07839	0.09063
0.04528	0.007193	0.87679	-0.05148	0.2669	0.02142	0.64429	-0.03242	0.48466
0.00112	-0.03226	0.48671	-0.06703	0.14808	0.002602	0.95527	-0.04842	0.29645
0.02017	-0.03563	0.44238	-0.07657	0.09841	0.053814	0.24578	-0.03766	0.41679
0.28118	0.12346	0.00756	0.066069	0.15402	0.189735	3.68E-05	0.046202	0.31911
0.06654	0.030946	0.50469	-0.03407	0.4627	0.065854	0.15536	0.018938	0.68313
0.9821	0.067737	0.14386	-0.01372	0.76751	0.055665	0.22989	0.045964	0.32161
0.42068	0.122544	0.00802	0.051227	0.26925	0.109643	0.01778	0.099532	0.03152
0.33299	0.060121	0.19466	-0.03589	0.43903	0.054078	0.24347	0.033603	0.4688
0.01962	0.015445	0.73921	-0.03679	0.42764	0.080163	0.08355	-0.02248	0.62805
0.30126	0.118333	0.01049	0.064133	0.16647	0.177606	0.00011	0.088406	0.05625
0.07482	0.02766	0.55101	-0.04364	0.34668	0.029385	0.52643	-0.04992	0.28169
0.03852	0.081727	0.07767	-0.00812	0.86107	0.104341	0.02414	-0.01565	0.73581
0.18821	0.079445	0.08636	-0.0035	0.93995	0.074152	0.10952	-0.00275	0.95274
0.30446	0.065158	0.15979	-0.00186	0.96804	0.068646	0.13855	0.001567	0.97306
0.28615	0.049535	0.28541	-0.00223	0.96175	0.073068	0.11482	0.026027	0.57478
0.38274	0.191195	3.19E-05	0.038313	0.40878	0.203571	9.25E-06	0.107611	0.02002
0.80555	0.117784	0.01085	0.034517	0.45679	0.107756	0.01985	0.068078	0.14185
0.79383	0.117188	0.01126	0.043731	0.34571	0.145845	0.00158	0.025602	0.58103
0.26594	0.13679	0.00306	0.006521	0.88823	0.085923	0.06356	0.029856	0.51983
0.24347	0.08284	0.0737	-0.01851	0.68984	0.14179	0.00213	0.063046	0.17379
0.96917	0.10977	0.01765	0.050744	0.2738	0.137123	0.00298	0.029765	0.5211
0.14714	0.030545	0.51024	-0.0311	0.50261	0.061021	0.18805	-0.01332	0.77408
0.21771	0.034438	0.45783	-0.05415	0.24286	0.03502	0.45025	0.016895	0.71574
0.29698	0.075928	0.10126	-0.01586	0.73255	0.063874	0.16819	0.019591	0.67283
0.07806	0.035388	0.4455	0.004942	0.91518	0.075818	0.10176	0.024052	0.60415
0.05601	0.017205	0.71077	-0.02071	0.65524	0.051043	0.27098	0.005133	0.91191
0.02126	0.01825	0.69405	-0.03315	0.47476	0.048474	0.29587	-0.04078	0.37931



0.21916	-0.03656	0.43051	-0.08786	0.05778	-0.03107	0.50298	-0.03991	0.38956
0.07506	0.083243	0.07231	-0.00037	0.99358	0.103505	0.0253	0.025584	0.58131
0.02619	-0.01627	0.72582	-0.07167	0.12195	0.042853	0.35548	-0.0039	0.93301
0.00706	-0.02167	0.64046	-0.0749	0.10598	0.005508	0.9055	-0.07502	0.10541
0.26209	0.053298	0.25034	-0.00495	0.91511	0.056651	0.22173	0.023454	0.61318
0.23637	0.017904	0.69957	-0.05189	0.2631	0.049204	0.28864	0.028444	0.53977
0.01356	0.05134	0.2682	-0.01397	0.76328	0.083681	0.07081	-0.02132	0.64578
0.0007	0.235193	2.73E-07	0.103609	0.02515	0.257525	1.64E-08	0.051079	0.27064
1.64E-05	-0.01874	0.68628	-0.00874	0.85063	0.146242	0.00153	-0.07906	0.0879
0.28927	0.165591	0.00033	0.085281	0.06557	0.195729	2.05E-05	0.101603	0.02813
0.96822	0.12986	0.00494	0.053296	0.25036	0.119844	0.00954	0.095081	0.03999
0.00779	-0.01461	0.75282	-0.02386	0.60704	0.093664	0.04306	-0.00087	0.98498
0.16916	0.023253	0.61621	-0.02771	0.55023	0.058766	0.20493	-0.01275	0.78348
0.00939	-0.02502	0.58966	-0.08232	0.07552	0.001082	0.9814	-0.02594	0.57603
0.02059	-0.03436	0.4588	-0.07209	0.11975	-0.00034	0.99422	-0.04174	0.36808
0.01025	-0.04149	0.37103	-0.06476	0.16238	-0.00306	0.94737	-0.0443	0.33941
0.00122	-0.10692	0.02084	-0.10895	0.01852	-0.01471	0.75117	-0.11801	0.0107
0.21639	0.004853	0.9167	-0.03949	0.39458	0.052464	0.25785	0.017192	0.71097
0.09344	0.041745	0.36807	-0.013	0.77928	0.059494	0.19936	-0.01732	0.70893
0.01071	0.003639	0.93749	-0.03037	0.51261	0.049771	0.28312	-0.0509	0.27235
0.11476	0.066221	0.15307	0.040938	0.37741	0.136099	0.00321	0.017621	0.70409
0.3461	-0.00926	0.84173	-0.00028	0.99512	0.148694	0.00127	0.014789	0.74991
0.84432	0.112133	0.01534	0.043901	0.34383	0.110408	0.01699	0.016138	0.72796
0.45679	0.111396	0.01603	0.065622	0.15682	0.157434	0.00064	0.020982	0.65109
0.35088	0.032553	0.48282	-0.01305	0.77847	0.053863	0.24536	-0.00676	0.88419
0.55512	0.087936	0.05758	-0.01356	0.77012	0.088629	0.05563	0.027942	0.54696
0.98335	0.162952	0.00041	0.108619	0.01888	0.253921	2.64E-08	0.087504	0.05882
0.02491	0.009366	0.84002	-0.04201	0.36501	0.042483	0.35966	-0.05293	0.25367
0.03107	0.056446	0.22341	-0.00871	0.85102	0.08122	0.07954	-0.02199	0.63555
0.61094	0.119929	0.00948	0.032067	0.48938	0.088459	0.0561	0.071303	0.12388
0.22183	0.014293	0.75803	-0.04531	0.32859	0.055578	0.23063	-0.02873	0.53564
0.57945	0.136489	0.00312	0.041384	0.37223	0.175876	0.00013	0.056336	0.22432
0.92507	0.076839	0.09722	0.040029	0.3881	0.083632	0.07098	0.033738	0.46702
0.42674	0.087826	0.05789	0.012233	0.79205	0.103277	0.02563	0.031889	0.4918
0.74859	0.11044	0.01696	0.079289	0.08698	0.111588	0.01584	0.040084	0.38745
0.925	0.144682	0.00172	0.042746	0.35669	0.114581	0.01323	0.06566	0.15659
0.70235	0.06928	0.13493	-0.0171	0.71244	0.075306	0.10409	0.037759	0.41559
0.41578	0.032281	0.48648	0.002211	0.962	0.067467	0.14547	0.065013	0.16072
0.02616	0.007853	0.8656	-0.03591	0.43882	0.055755	0.22914	-0.04845	0.29614
0.05851	0.043272	0.35079	-0.01776	0.70184	0.041222	0.3741	-0.045	0.33184
0.37535	0.065085	0.16026	0.027067	0.55958	0.099749	0.03115	0.078602	0.08976
0.11272	0.037253	0.42188	-0.00513	0.91204	0.087732	0.05816	0.010809	0.81579
0.43948	0.050886	0.27245	-0.01693	0.71512	0.071572	0.12246	0.003643	0.93741
0.38135	0.071617	0.12223	-0.00056	0.99033	0.07259	0.11722	0.005477	0.90603
0.66987	0.092759	0.04513	0.105985	0.02198	0.169117	0.00024	0.069978	0.13103

0.44901	0.092873	0.04486	0.017865	0.70018	0.11671	0.0116	0.035113	0.44905
0.59516	0.071469	0.123	-0.02833	0.54144	0.044889	0.33307	0.003274	0.94375
0.31014	0.218916	1.79E-06	0.13481	0.00351	0.293576	9.78E-11	0.152292	0.00096
0.70574	0.192656	2.77E-05	0.079199	0.08734	0.266943	4.63E-09	0.146489	0.0015
0.46836	0.098511	0.03331	0.013387	0.77293	0.084771	0.0672	0.028376	0.54074
0.78137	0.124587	0.00703	0.032637	0.48169	0.0686	0.13881	0.041868	0.36667
0.48077	0.109264	0.01818	0.03828	0.40919	0.103981	0.02463	0.059028	0.20291
0.02236	-0.01337	0.7733	-0.06401	0.16728	0.008996	0.84627	-0.05814	0.20983
0.13058	0.060997	0.18823	0.015484	0.73858	0.124801	0.00693	0.02969	0.52215
0.16835	0.118948	0.01009	0.026489	0.568	0.194478	2.32E-05	0.175566	0.00014
0.81841	0.115066	0.01284	0.037999	0.41263	0.137169	0.00297	0.060225	0.19389
0.12131	0.105857	0.02214	0.057289	0.21656	0.121233	0.00873	0.03494	0.45129
0.40861	0.157213	0.00065	0.085836	0.06383	0.1648	0.00035	0.090184	0.05146
0.14239	0.069777	0.13215	0.004185	0.92814	0.120383	0.00921	0.023158	0.61765
0.21192	-0.04575	0.32392	-0.0234	0.61401	0.085813	0.0639	-0.0206	0.65701
0.09948	0.058406	0.20772	0.008153	0.86051	0.11038	0.01702	-0.00449	0.92289
0.30678	0.082798	0.07385	0.065307	0.15883	0.133478	0.00386	0.113569	0.01406
0.0107	0.030054	0.51706	-0.05088	0.27254	0.031517	0.49686	-0.02397	0.60531
0.13044	0.052025	0.26186	-0.00957	0.83655	0.067474	0.14543	0.025966	0.57566
0.20711	0.127136	0.00594	0.076363	0.09931	0.185738	5.38E-05	0.002304	0.9604
0.12767	0.070209	0.12976	0.00059	0.98986	0.082277	0.07569	0.008522	0.85427
0.01213	-0.06902	0.13641	-0.0653	0.15888	0.086541	0.06167	-0.07215	0.11947
0.57756	0.123657	0.00746	0.012452	0.78841	0.094801	0.04058	0.031667	0.49482
0.28413	0.020413	0.65994	-0.00297	0.94902	0.049492	0.28583	-0.00381	0.93456
0.66233	0.058837	0.20438	-0.02333	0.61503	0.008723	0.85088	0.006409	0.89014
0.00423	-0.00684	0.88288	-0.07004	0.13068	0.024714	0.59423	-0.06249	0.17765
0.60833	0.133254	0.00392	0.017458	0.7067	0.053318	0.25017	-0.01316	0.77675
0.77761	0.076878	0.09704	-0.01175	0.80012	0.058612	0.20612	0.006807	0.88337
0.87759	0.078991	0.08818	-0.00411	0.92935	0.057578	0.21425	0.017089	0.71262
0.30363	0.140924	0.00227	0.065106	0.16012	0.150637	0.00109	0.06116	0.18705
0.97093	0.184645	5.97E-05	0.012176	0.793	0.209067	5.21E-06	0.114528	0.01327
0.05983	0.020587	0.65723	-0.04457	0.33653	0.040721	0.37995	-0.02395	0.60567
0.00846	0.019935	0.66742	-0.03666	0.42932	0.032946	0.47755	-0.06521	0.15947
0.05536	0.132127	0.00423	0.1369	0.00303	0.210727	4.36E-06	0.065414	0.15815
0.89992	0.187161	4.71E-05	0.072529	0.11753	0.182816	7.08E-05	0.063386	0.17147
0.06	0.020131	0.66435	-0.04482	0.33385	0.066334	0.15237	-0.00414	0.92894
0.36796	0.111548	0.01588	0.041201	0.37435	0.113832	0.01384	0.042599	0.35835
0.17204	0.104609	0.02377	0.007722	0.86781	0.111842	0.0156	0.042256	0.36223
0.22077	0.113785	0.01388	-0.00604	0.8964	0.167377	0.00028	-0.07668	0.0979
0.22104	0.212729	3.52E-06	0.162916	0.00041	0.235206	2.73E-07	0.153458	0.00088
0.00211	0.049525	0.28551	0.082588	0.07459	0.06325	0.17239	0.135584	0.00333
0.08476	0.129849	0.00495	0.09502	0.04012	0.1924	2.84E-05	0.030553	0.51013
0.00017	-0.00273	0.95301	-0.06714	0.14746	0.030114	0.51622	-0.09155	0.04801
0.04173	0.094558	0.0411	0.013566	0.76998	0.123564	0.00751	-0.01167	0.80136
0.14153	0.050927	0.27208	-0.03136	0.49905	0.0994	0.03174	0.034626	0.45538

0.04038	-0.06797	0.14249	-0.12038	0.00922	-0.07208	0.11984	-0.02258	0.62649
0.26816	0.144376	0.00176	0.048937	0.29127	0.15334	0.00089	0.056658	0.22168
0.98199	0.132817	0.00404	0.019636	0.67212	0.084691	0.06746	0.140689	0.00231
0.58984	0.176277	0.00013	0.066015	0.15435	0.135628	0.00332	0.085603	0.06455
0.59907	0.147924	0.00135	0.028663	0.53665	0.100791	0.02942	0.056557	0.2225
0.08613	0.198721	1.52E-05	0.090747	0.05001	0.197656	1.69E-05	0.124324	0.00715
0.69411	0.14499	0.00168	0.046985	0.31097	0.08799	0.05742	0.067288	0.14654
0.46153	0.096654	0.0368	0.035309	0.44652	0.087168	0.0598	-0.00225	0.96132
0.16938	0.094336	0.04158	0.033759	0.46674	0.089075	0.05441	0.01249	0.78778
0.15142	0.114823	0.01303	0.039086	0.39939	0.114458	0.01332	0.014823	0.74935
0.06086	0.0726	0.11717	0.028522	0.53865	0.106143	0.02178	0.004074	0.93003
0.16121	-0.01867	0.68742	-0.02783	0.54858	-0.00425	0.92694	-0.04058	0.38155
0.0946	0.049854	0.28231	-0.00301	0.94826	0.042553	0.35887	0.063266	0.17229
0.87559	0.146163	0.00154	-0.00758	0.8702	0.130155	0.00485	0.056017	0.22695
0.11643	0.046909	0.31175	0.005831	0.89999	0.073255	0.11389	-0.00256	0.95606
0.14998	0.019943	0.6673	-0.06874	0.13802	0.117783	0.01085	-0.02341	0.61379
0.11755	0.093132	0.04426	0.005218	0.91045	0.104752	0.02358	-0.0135	0.7711
0.00686	-0.02997	0.51827	-0.05854	0.20671	0.033229	0.47377	-0.05467	0.23831
0.94505	0.114552	0.01325	0.086882	0.06065	0.120255	0.00929	0.024509	0.59729
0.19338	0.146603	0.00149	0.070309	0.12922	0.149658	0.00118	-0.00785	0.86564
0.93075	0.193122	2.65E-05	0.111061	0.01635	0.164035	0.00037	0.032972	0.4772
0.35807	0.080346	0.08284	0.043041	0.35338	0.10436	0.02411	-0.00897	0.84672
0.9844	0.05912	0.20221	-0.02692	0.56178	0.028755	0.53534	0.081393	0.0789
0.45384	0.142258	0.00206	0.048876	0.29188	0.125097	0.00679	0.029706	0.52193
0.21003	0.231637	4.16E-07	0.070806	0.12652	0.201619	1.13E-05	0.204179	8.69E-06
0.81746	0.187698	4.47E-05	0.106342	0.02154	0.208721	5.40E-06	0.096864	0.03639
0.00989	8.70E-05	0.9985	-0.05679	0.22064	0.013513	0.77087	-0.04631	0.31794
0.84246	0.142944	0.00196	0.047191	0.30885	0.147678	0.00137	0.044041	0.34229
0.88555	0.027728	0.55002	0.093727	0.04292	0.066903	0.14887	-0.00525	0.90992
0.26711	0.031204	0.50115	0.046778	0.31311	0.063744	0.16906	0.058719	0.20529
0.00015	0.114686	0.01314	0.100481	0.02992	0.256214	1.95E-08	0.022046	0.63465
0.54342	0.192903	2.70E-05	0.088026	0.05732	0.161416	0.00046	0.060493	0.19191
0.31835	0.070431	0.12855	0.027814	0.5488	0.106806	0.02097	0.009167	0.84337
0.17123	0.042631	0.35798	-0.05539	0.23221	0.034266	0.46007	0.017983	0.69831
0.36203	0.093548	0.04332	0.020529	0.65813	0.092045	0.04681	-0.02772	0.55018
0.18856	0.101985	0.02754	0.056939	0.21938	0.138072	0.00279	0.022772	0.62353
0.38059	0.107273	0.02041	0.043536	0.34787	0.09855	0.03324	0.072388	0.11825
0.914	0.09914	0.0322	0.047353	0.30719	0.084052	0.06957	0.078206	0.09139
0.0024	0.140897	0.00227	0.078285	0.09107	0.143741	0.00184	0.024874	0.59184
0.8715	0.209824	4.80E-06	0.094351	0.04155	0.246734	6.61E-08	0.133508	0.00385
0.2829	0.157195	0.00065	0.065016	0.1607	0.131191	0.00451	0.029282	0.5279
0.04457	0.02192	0.63659	-0.0358	0.44021	0.038155	0.41073	-0.02998	0.5181
0.3706	0.015854	0.73257	0.026131	0.57325	0.039145	0.39868	0.032081	0.4892
0.00062	-0.07837	0.09073	-0.09585	0.03841	-0.01322	0.77573	-0.08344	0.07164
0.07112	0.128778	0.00532	0.12074	0.00901	0.093154	0.04421	0.174113	0.00016

0.18332	-0.04155	0.3703	-0.07786	0.09285	-0.02397	0.60534	-0.03241	0.48479
0.00982	0.035804	0.44017	0.024512	0.59724	0.161133	0.00047	0.002464	0.95766
4.06E-06	0.047527	0.30541	-0.06878	0.13775	0.032024	0.48996	-0.12598	0.00641
0.00339	-0.03845	0.40715	0.002047	0.96481	0.033843	0.46563	-0.10278	0.02635
0.07178	0.076924	0.09684	0.026228	0.57182	0.110441	0.01696	0.027833	0.54852
0.338	0.076173	0.10016	-0.01527	0.7421	0.114784	0.01306	0.068684	0.13833
0.13131	0.115375	0.0126	0.024214	0.60171	0.115687	0.01236	-0.02949	0.52497
0.00215	0.079621	0.08566	0.044664	0.3355	0.155607	0.00074	0.013803	0.76608
0.92866	0.056509	0.22289	0.071422	0.12325	0.109189	0.01826	0.079381	0.08661
0.61649	0.109217	0.01823	0.043562	0.34757	0.107031	0.0207	0.027362	0.55531
0.80057	0.153317	0.00089	0.004745	0.91855	0.034108	0.46215	0.06662	0.1506
0.90886	0.277087	1.12E-09	0.217857	2.01E-06	0.306149	1.37E-11	0.163611	0.00039
0.1172	0.150863	0.00107	0.090261	0.05126	0.173828	0.00016	0.020365	0.66069
0.2838	0.222205	1.24E-06	0.168126	0.00026	0.241958	1.20E-07	0.084646	0.06761
0.84529	0.151124	0.00105	0.047155	0.30921	0.244762	8.47E-08	0.112414	0.01508
0.01364	0.246778	6.58E-08	0.123115	0.00773	0.214188	3.00E-06	0.137159	0.00298
0.28744	0.091999	0.04692	0.000176	0.99697	0.076605	0.09824	-0.0389	0.40162
0.0029	0.052898	0.25392	-0.03402	0.46327	0.19232	2.86E-05	-0.01887	0.68427
0.57446	0.174219	0.00015	0.073578	0.1123	0.187413	4.59E-05	0.098644	0.03307
0.22873	0.0596	0.19856	-0.00881	0.8494	0.061914	0.18166	0.006916	0.88151
0.31308	0.063639	0.16977	-0.00729	0.87515	0.129088	0.00521	0.024937	0.5909
0.09605	0.055674	0.22981	-0.01612	0.72829	0.0526	0.25661	0.028249	0.54256
0.03758	0.312949	4.54E-12	0.12237	0.00811	0.19626	1.94E-05	0.172556	0.00018
0.45314	-0.01738	0.70788	-0.10245	0.02684	-0.03516	0.4484	-0.03906	0.39976
0.2723	0.10867	0.01882	0.05327	0.25059	0.158535	0.00058	0.015822	0.73309
0.32867	0.083953	0.0699	0.031079	0.50287	0.100419	0.03003	-0.01079	0.81613
0.0163	0.034757	0.45367	-0.0668	0.14948	0.068065	0.14193	-0.04556	0.32586
0.18646	0.100372	0.0301	0.006452	0.88941	0.085761	0.06406	-0.00513	0.91197
0.03115	0.051329	0.2683	-0.00395	0.93223	0.100033	0.03067	-0.01459	0.75314
0.31046	0.180213	9.00E-05	0.071336	0.1237	0.186724	4.91E-05	0.064846	0.1618
0.04671	0.117296	0.01119	0.065367	0.15845	0.195273	2.14E-05	-0.00905	0.84534
0.17216	0.261745	9.38E-09	0.101855	0.02774	0.205194	7.82E-06	0.070579	0.12775
0.93443	0.21252	3.60E-06	0.045678	0.32463	0.172733	0.00018	0.073693	0.11174
0.11518	0.078236	0.09127	0.070958	0.12571	0.17476	0.00015	0.0375	0.41881
0.9269	0.154792	0.00079	0.048548	0.29513	0.141314	0.00221	0.081155	0.07978
0.0001	-0.0069	0.88179	-0.00366	0.9371	0.153084	0.0009	-0.12382	0.00739
1.87E-06	-0.01924	0.67831	-0.06445	0.1644	0.055902	0.22791	-0.11936	0.00983
0.40582	0.040627	0.38105	0.033987	0.46374	0.052495	0.25757	-0.05042	0.27692
0.56395	0.106608	0.02121	0.010739	0.81695	0.095814	0.03847	0.02469	0.59459
0.20009	0.09248	0.04578	0.055135	0.23437	0.08671	0.06116	0.05545	0.2317
0.1028	0.039578	0.39348	0.002817	0.95159	0.143578	0.00187	-0.02567	0.57996
0.3823	0.117695	0.01091	0.073131	0.11451	0.155232	0.00076	0.112263	0.01522
0.57588	0.138045	0.00279	0.045473	0.32681	0.129908	0.00493	0.06415	0.16635
0.04732	0.019157	0.67966	0.002652	0.95441	0.071489	0.1229	0.007201	0.87666
0.00919	0.053622	0.24748	-0.02334	0.61496	0.054435	0.24037	-0.03287	0.47853

0.0455	0.08772	0.0582	0.059448	0.19971	0.188355	4.20E-05	-0.02672	0.56465
0.94152	0.200866	1.22E-05	0.107083	0.02064	0.214158	3.01E-06	0.118759	0.01021
0.06294	0.052582	0.25677	-0.01688	0.71604	0.083337	0.07198	0.013242	0.77534
0.25345	0.060898	0.18894	0.000781	0.98658	0.083842	0.07027	0.02676	0.56404
0.0819	0.118372	0.01046	0.04766	0.30406	0.148993	0.00124	-0.01022	0.82559
0.49603	0.126283	0.00628	0.036032	0.43727	0.110031	0.01738	0.027124	0.55875
0.04737	0.119496	0.00975	0.059497	0.19934	0.215757	2.53E-06	0.044911	0.33284
0.01489	0.033681	0.46777	-0.04672	0.31373	0.029186	0.52925	-0.0425	0.35946
0.9139	0.070579	0.12775	0.004505	0.92265	0.073276	0.11379	0.058425	0.20758
0.33427	0.056429	0.22355	-0.0064	0.89037	0.075695	0.10231	0.00868	0.85159
0.0277	0.030305	0.51358	0.005666	0.90281	0.060113	0.19472	-0.02452	0.59713
0.04799	-0.03881	0.40278	-0.03559	0.44293	-0.0216	0.64151	0.023728	0.60903
0.93692	0.130516	0.00473	0.065369	0.15844	0.190925	3.28E-05	0.048099	0.29962
0.88899	0.182977	6.97E-05	0.102657	0.02653	0.247561	5.96E-08	0.121109	0.0088
0.6686	0.12554	0.0066	0.027432	0.5543	0.092057	0.04678	0.036541	0.43082
0.12982	0.193058	2.66E-05	0.11163	0.0158	0.312802	4.65E-12	0.103522	0.02528
0.32333	0.26555	5.60E-09	0.201303	1.17E-05	0.320928	1.20E-12	0.205433	7.63E-06
0.00949	0.113361	0.01424	-0.02225	0.63147	0.075522	0.1031	-0.03772	0.41602
0.91781	0.116273	0.01192	0.043397	0.34941	0.141985	0.0021	0.074214	0.10922
0.92758	0.118668	0.01027	0.092014	0.04689	0.132602	0.0041	0.072706	0.11664
0.00179	0.023898	0.60647	-0.02324	0.61641	0.074813	0.10638	-0.04871	0.29355
0.9936	0.145437	0.00163	0.020347	0.66098	0.117901	0.01077	0.027392	0.55488
0.07118	0.289043	1.94E-10	0.187145	4.71E-05	0.291917	1.26E-10	0.110714	0.01669
0.17713	0.092011	0.04689	0.04421	0.34044	0.167774	0.00027	0.003924	0.93261
0.93189	0.045526	0.32624	-0.04079	0.37914	0.029091	0.53058	0.004694	0.91941
0.02455	0.054806	0.23717	-0.01335	0.77354	0.072352	0.11843	-0.00398	0.93168
0.50066	0.173333	0.00017	0.059683	0.19794	0.162576	0.00042	0.101951	0.02759
0.38183	0.12833	0.00548	0.060369	0.19282	0.166915	0.00029	0.125926	0.00643
0.14394	0.04642	0.31683	-0.01413	0.76079	0.054258	0.2419	0.00747	0.8721
0.00076	0.001959	0.96633	-0.04628	0.31826	0.039657	0.39253	-0.07003	0.13073
0.04334	0.065639	0.15672	-0.00414	0.92887	0.098788	0.03282	0.026943	0.56139
0.00082	-0.04348	0.34854	-0.0115	0.80417	0.021994	0.63544	-0.12646	0.00621
0.20929	0.19862	1.53E-05	0.097699	0.0348	0.139584	0.0025	0.107888	0.0197
0.66431	0.269008	3.48E-09	0.136285	0.00317	0.207535	6.12E-06	0.171985	0.00019
0.1088	-0.09056	0.0505	-0.10712	0.0206	-0.10485	0.02345	0.052865	0.25422
0.00074	0.074435	0.10817	0.082131	0.07621	0.216121	2.43E-06	-0.02535	0.58484
0.0367	0.020988	0.65098	-0.00555	0.90478	0.09636	0.03738	-0.05461	0.23885
0.30677	0.060461	0.19214	0.044088	0.34177	0.157352	0.00064	0.034111	0.46211
0.00026	0.046127	0.3199	0.054282	0.24169	0.184195	6.22E-05	-0.08383	0.07031
0.84453	-0.04891	0.29156	-0.09109	0.04916	-0.0459	0.32228	-0.03464	0.4552
0.33541	-0.02832	0.54149	-0.08889	0.05491	-0.01058	0.81966	-0.07129	0.12393
0.19943	0.009896	0.8311	-0.07065	0.12739	0.037016	0.42484	-0.00741	0.87307
0.5445	0.095022	0.04011	0.052511	0.25742	0.113431	0.01418	0.038654	0.40462
0.0182	0.029745	0.52139	0.052623	0.2564	0.160746	0.00049	0.027378	0.55508
0.00627	0.005244	0.91001	0.024322	0.60009	0.114377	0.01339	-0.03989	0.38981

0.117	-0.0062	0.8937	-0.08748	0.05889	-0.0174	0.70769	-0.06243	0.17801
0.01201	-0.04574	0.32393	-0.09226	0.0463	-0.01571	0.73484	-0.0265	0.56786
0.21804	0.006499	0.88861	-0.03479	0.4532	0.037426	0.41973	-0.03398	0.46379
0.3312	0.14495	0.00169	0.033473	0.47053	0.24179	1.22E-07	0.081433	0.07875
0.39593	0.132852	0.00403	0.048233	0.29828	0.073499	0.11269	0.010406	0.82254
0.54326	0.158582	0.00058	0.05588	0.2281	0.099502	0.03157	0.064557	0.16368
0.02682	-0.0471	0.30983	-0.08527	0.06561	-0.03739	0.4202	-0.02922	0.52882
0.0518	0.023927	0.60602	0.016573	0.72093	0.017121	0.71211	0.021422	0.64427
0.13497	0.060039	0.19527	-0.03397	0.46393	0.076351	0.09936	0.010832	0.81541
0.44635	0.054702	0.23806	-0.04097	0.37709	0.067288	0.14654	0.011215	0.80901
0.06414	0.031189	0.50136	-0.0296	0.52344	0.075208	0.10455	-0.01158	0.80289
0.86353	0.23051	4.75E-07	0.221058	1.41E-06	0.37178	9.37E-17	0.128527	0.00541
0.75294	0.092132	0.0466	-0.02017	0.66375	0.081678	0.07785	0.026839	0.56289
0.3675	0.216549	2.32E-06	0.213877	3.11E-06	0.337089	7.14E-14	0.113665	0.01398
0.13736	0.187428	4.59E-05	0.073975	0.11038	0.267182	4.48E-09	0.116359	0.01186
0.24413	0.028743	0.53551	-0.02962	0.5231	0.034299	0.45964	-0.00482	0.91719
1.81E-07	0.077868	0.09281	0.011569	0.8031	0.142167	0.00207	-0.04704	0.31041
0.86119	0.105279	0.02289	0.059581	0.19871	0.112319	0.01516	0.050132	0.27963
0.86499	0.130099	0.00486	0.063484	0.17081	0.146178	0.00154	0.010031	0.82883
4.85E-14	0.582404	9.29E-44	0.487769	2.77E-29	0.485708	5.12E-29	0.470428	4.32E-27
3.63E-35	0.427725	3.39E-22	0.370368	1.25E-16	0.342777	2.54E-14	0.584322	4.21E-44
2.25E-22	0.576353	1.09E-42	0.43152	1.33E-22	0.481703	1.67E-28	0.541286	6.66E-37
4.04E-15	0.376067	3.90E-17	0.31634	2.59E-12	0.320199	1.36E-12	0.450991	8.90E-25
8.00E-10	0.041631	0.36938	0.080467	0.08237	-0.02191	0.63678	0.24841	5.35E-08
4.62E-56	0.468116	8.29E-27	0.398402	3.24E-19	0.30497	1.65E-11	0.625866	3.77E-52
0.62303	0.19123	3.18E-05	0.077027	0.0964	0.093113	0.04431	0.063953	0.16767
0.00025	0.43074	1.61E-22	0.341356	3.30E-14	0.376582	3.50E-17	0.329037	2.97E-13
4.31E-10	0.403127	1.12E-19	0.228563	5.97E-07	0.205833	7.32E-06	0.361322	7.55E-16
2.33E-39	0.448702	1.63E-24	0.511347	1.78E-32	0.459701	8.53E-26	0.597285	1.73E-46
4.26E-05	0.363014	5.42E-16	0.268711	3.63E-09	0.276586	1.20E-09	0.345279	1.60E-14
1.40E-05	0.24281	1.08E-07	0.273178	1.95E-09	0.314756	3.37E-12	0.294131	8.98E-11
1.16E-30	0.66872	7.78E-62	0.555747	3.32E-39	0.569612	1.60E-41	0.601948	2.26E-47
1.79E-12	0.537665	2.42E-36	0.384845	6.20E-18	0.385562	5.32E-18	0.512237	1.34E-32
6.21E-24	0.427706	3.41E-22	0.30192	2.68E-11	0.254676	2.39E-08	0.278041	9.75E-10
5.35E-05	0.062912	0.17471	0.223504	1.07E-06	0.139757	0.00247	0.128565	0.0054
7.69E-52	0.507042	7.12E-32	0.398569	3.13E-19	0.357812	1.50E-15	0.552708	1.03E-38
0.00197	0.303608	2.05E-11	0.240423	1.45E-07	0.21258	3.58E-06	0.144885	0.00169
0.96342	0.182877	7.04E-05	0.205903	7.26E-06	0.268134	3.93E-09	0.15518	0.00077
1.55E-07	0.284593	3.76E-10	0.217301	2.14E-06	0.259764	1.22E-08	0.362702	5.76E-16
1.05E-31	0.513071	1.02E-32	0.45953	8.94E-26	0.456903	1.83E-25	0.589946	4.00E-45
0.00676	0.454697	3.31E-25	0.290052	1.67E-10	0.307488	1.10E-11	0.30379	1.99E-11
1.37E-42	0.646304	1.42E-56	0.463727	2.82E-26	0.479962	2.79E-28	0.613461	1.27E-49
2.00E-26	0.438287	2.42E-23	0.386073	4.77E-18	0.398762	2.99E-19	0.570854	9.81E-42
1.40E-11	0.456448	2.06E-25	0.522448	4.58E-34	0.528577	5.72E-35	0.500248	6.09E-31
2.02E-13	0.36781	2.09E-16	0.122699	0.00794	0.186962	4.80E-05	0.299996	3.63E-11

5.10E-44	0.440307	1.44E-23	0.25633	1.92E-08	0.235465	2.64E-07	0.537473	2.58E-36
0.0248	0.257466	1.66E-08	0.292762	1.11E-10	0.287083	2.60E-10	0.259049	1.34E-08
0.00107	0.056079	0.22644	0.100748	0.02949	0.038882	0.40185	0.135806	0.00328
4.59E-06	0.17779	0.00011	0.118001	0.01071	0.045627	0.32518	0.103053	0.02595
1.55E-37	0.357949	1.46E-15	0.42508	6.48E-22	0.335581	9.36E-14	0.521338	6.65E-34
1.21E-06	0.556555	2.45E-39	0.336913	7.37E-14	0.34001	4.21E-14	0.307698	1.07E-11
1.86E-33	0.339428	4.68E-14	0.262613	8.34E-09	0.214212	3.00E-06	0.498964	9.08E-31
7.31E-50	0.510759	2.16E-32	0.420607	1.91E-21	0.409998	2.33E-20	0.589566	4.70E-45
3.60E-31	0.47818	4.68E-28	0.428564	2.76E-22	0.413685	9.87E-21	0.638854	6.35E-55
0.02291	0.446163	3.17E-24	0.303128	2.21E-11	0.316398	2.56E-12	0.237296	2.12E-07
0.48283	0.345479	1.55E-14	0.255254	2.22E-08	0.293828	9.41E-11	0.1671	0.00029
8.90E-07	0.319052	1.64E-12	0.287778	2.35E-10	0.264151	6.78E-09	0.317751	2.05E-12
5.11E-19	0.31969	1.48E-12	0.192844	2.72E-05	0.271381	2.51E-09	0.420887	1.79E-21
1.06E-23	0.631341	2.65E-53	0.51709	2.73E-33	0.510032	2.73E-32	0.550105	2.71E-38
0.00071	0.079809	0.08492	0.101679	0.02801	0.020961	0.6514	0.22143	1.35E-06
4.69E-45	0.451061	8.74E-25	0.484143	8.15E-29	0.357991	1.44E-15	0.53884	1.59E-36
5.90E-39	0.408592	3.23E-20	0.406165	5.63E-20	0.316864	2.37E-12	0.497119	1.61E-30
3.73E-13	0.431453	1.35E-22	0.274074	1.72E-09	0.292809	1.10E-10	0.341185	3.40E-14
6.96E-16	0.432507	1.04E-22	0.381553	1.24E-17	0.357233	1.67E-15	0.552343	1.18E-38
1.22E-27	0.410902	1.89E-20	0.248641	5.19E-08	0.260738	1.07E-08	0.427206	3.86E-22
6.42E-17	0.442759	7.69E-24	0.440137	1.51E-23	0.426593	4.48E-22	0.507335	6.49E-32
2.07E-21	0.649196	3.14E-57	0.508016	5.22E-32	0.567641	3.47E-41	0.557719	1.58E-39
3.07E-16	0.408348	3.41E-20	0.305973	1.41E-11	0.316353	2.58E-12	0.260662	1.08E-08
4.73E-13	0.390412	1.88E-18	0.505959	1.01E-31	0.481023	2.04E-28	0.419463	2.51E-21
5.59E-22	0.516222	3.63E-33	0.397183	4.25E-19	0.424765	7.00E-22	0.536099	4.20E-36
2.76E-08	0.295451	7.34E-11	0.250599	4.05E-08	0.222813	1.15E-06	0.368942	1.66E-16
3.56E-27	0.53585	4.58E-36	0.43457	6.19E-23	0.423894	8.65E-22	0.603783	1.00E-47
5.70E-20	0.503825	1.98E-31	0.392008	1.33E-18	0.438554	2.26E-23	0.515797	4.18E-33
9.39E-29	0.556312	2.68E-39	0.547662	6.64E-38	0.490575	1.19E-29	0.638569	7.34E-55
9.04E-08	0.440955	1.22E-23	0.390503	1.84E-18	0.403345	1.07E-19	0.37435	5.54E-17
1.69E-29	0.506741	7.84E-32	0.380673	1.50E-17	0.360256	9.30E-16	0.51163	1.63E-32
0.03281	0.031598	0.49575	-0.06694	0.14867	-0.0216	0.6415	-0.04493	0.33259
4.74E-14	0.42401	8.41E-22	0.368765	1.72E-16	0.411354	1.70E-20	0.45588	2.41E-25
8.30E-43	0.54718	7.92E-38	0.355823	2.20E-15	0.33371	1.31E-13	0.47653	7.55E-28
1.55E-11	0.155319	0.00076	0.2427	1.09E-07	0.147605	0.00138	0.257195	1.72E-08
2.71E-20	0.313162	4.38E-12	0.147254	0.00142	0.130435	0.00475	0.407516	4.13E-20
0.18256	0.097423	0.03532	0.199713	1.37E-05	0.155789	0.00073	0.15009	0.00114
5.31E-19	0.446949	2.58E-24	0.323083	8.31E-13	0.325681	5.32E-13	0.409286	2.75E-20
7.88E-34	0.592445	1.39E-45	0.446732	2.74E-24	0.489815	1.50E-29	0.608969	9.84E-49
8.12E-15	0.466902	1.17E-26	0.469497	5.62E-27	0.428281	2.96E-22	0.557801	1.53E-39
2.24E-14	0.50511	1.32E-31	0.553666	7.23E-39	0.531104	2.40E-35	0.480844	2.15E-28
7.16E-16	0.403143	1.12E-19	0.292603	1.13E-10	0.299895	3.68E-11	0.433851	7.42E-23
2.32E-18	0.531627	2.00E-35	0.45213	6.58E-25	0.500181	6.22E-31	0.468512	7.42E-27
7.27E-28	0.589459	4.92E-45	0.458795	1.09E-25	0.42474	7.04E-22	0.50672	7.89E-32
0.20561	0.272526	2.13E-09	0.400072	2.23E-19	0.360773	8.41E-16	0.149557	0.00119

0.29626	0.328336	3.36E-13	0.391389	1.52E-18	0.397781	3.72E-19	0.293792	9.46E-11
0.90439	0.358696	1.26E-15	0.324863	6.13E-13	0.393258	1.01E-18	0.154383	0.00082
0.00037	0.38781	3.29E-18	0.486002	4.69E-29	0.465333	1.80E-26	0.476529	7.55E-28
0.61689	0.513451	9.00E-33	0.418393	3.25E-21	0.429786	2.04E-22	0.292015	1.24E-10
2.25E-08	0.429261	2.32E-22	0.228425	6.06E-07	0.257315	1.69E-08	0.285341	3.37E-10
0.94351	-0.11591	0.01219	-0.22362	1.05E-06	-0.20727	6.29E-06	-0.21736	2.12E-06
0.42785	-0.07393	0.11059	-0.15979	0.00053	-0.17011	0.00022	-0.23704	2.19E-07
1.71E-09	0.093029	0.0445	0.027246	0.55699	0.010714	0.81737	0.171841	0.00019
1.46E-15	-0.00316	0.94568	-0.03409	0.46239	-0.08819	0.05685	0.157821	0.00062
0.13487	-0.19563	2.07E-05	-0.22783	6.49E-07	-0.23143	4.27E-07	-0.11406	0.01365
3.86E-09	0.161241	0.00047	0.206381	6.91E-06	0.061636	0.18363	0.235898	2.51E-07
2.98E-14	0.282003	5.50E-10	0.260681	1.08E-08	0.131309	0.00448	0.270053	3.01E-09
0.03126	0.042688	0.35734	-0.00203	0.96505	-0.07707	0.09622	-0.0013	0.9777
1.61E-08	0.185051	5.74E-05	0.178912	0.0001	0.087095	0.06002	0.197467	1.72E-05
1.23E-07	-0.09932	0.03188	-0.23061	4.70E-07	-0.13549	0.00335	-0.15998	0.00052
0.719	-0.08031	0.08297	-0.06416	0.16627	-0.13479	0.00352	-0.11211	0.01535
0.00283	-0.22504	8.95E-07	-0.26137	9.86E-09	-0.27513	1.48E-09	-0.16396	0.00037
1.34E-27	0.190772	3.33E-05	0.085713	0.06421	-0.02577	0.57851	0.260236	1.15E-08
2.50E-05	-0.31881	1.71E-12	-0.31327	4.30E-12	-0.3632	5.22E-16	-0.24438	8.88E-08
0.10685	-0.26492	6.11E-09	-0.24643	6.87E-08	-0.3	3.62E-11	-0.15576	0.00073
0.15328	-0.33694	7.33E-14	-0.2595	1.27E-08	-0.34366	2.16E-14	-0.15656	0.00069
0.15851	-0.28074	6.61E-10	-0.23962	1.60E-07	-0.25898	1.36E-08	-0.22386	1.02E-06
6.90E-06	-0.19804	1.62E-05	-0.26155	9.62E-09	-0.21509	2.72E-06	-0.25177	3.48E-08
0.01684	-0.34759	1.04E-14	-0.2446	8.64E-08	-0.26474	6.26E-09	-0.12984	0.00495
0.0481	-0.02615	0.57297	-0.1412	0.00222	-0.19311	2.65E-05	0.047235	0.3084
2.19E-08	-0.25603	2.00E-08	-0.2724	2.17E-09	-0.23184	4.06E-07	-0.30974	7.67E-12
8.99E-06	-0.21798	1.98E-06	-0.23385	3.20E-07	-0.22172	1.30E-06	-0.16163	0.00045
9.48E-06	-0.26971	3.16E-09	-0.24038	1.46E-07	-0.20912	5.18E-06	-0.31595	2.77E-12
3.72E-17	-0.30213	2.59E-11	-0.29395	9.23E-11	-0.22886	5.77E-07	-0.36275	5.70E-16
0.00058	-0.20057	1.26E-05	-0.19281	2.73E-05	-0.19141	3.13E-05	-0.19879	1.51E-05
0.0309	-0.27264	2.10E-09	-0.28145	5.96E-10	-0.3271	4.16E-13	-0.25742	1.67E-08
0.00357	-0.40044	2.06E-19	-0.40166	1.57E-19	-0.37837	2.42E-17	-0.29919	4.11E-11
0.20256	-0.00454	0.92206	-0.14199	0.0021	-0.1698	0.00023	0.004156	0.92863
0.00014	-0.29728	5.54E-11	-0.21919	1.73E-06	-0.17817	0.00011	-0.1899	3.62E-05
0.00085	-0.25675	1.82E-08	-0.3176	2.10E-12	-0.36449	4.04E-16	-0.22784	6.49E-07
0.0004	-0.30224	2.55E-11	-0.30903	8.60E-12	-0.31558	2.94E-12	-0.27534	1.44E-09
0.45728	-0.16922	0.00024	-0.16331	0.00039	-0.20013	1.32E-05	-0.11963	0.00966
0.558	-0.23881	1.76E-07	-0.17997	9.20E-05	-0.25279	3.05E-08	-0.03467	0.45482
0.01573	-0.06618	0.15333	-0.14138	0.0022	-0.12096	0.00888	-0.10213	0.02731
1.04E-05	-0.36531	3.44E-16	-0.34348	2.24E-14	-0.35755	1.57E-15	-0.22206	1.26E-06
0.01041	-0.26863	3.67E-09	-0.20071	1.24E-05	-0.22135	1.36E-06	-0.12808	0.00557
6.23E-16	0.251899	3.42E-08	0.193439	2.57E-05	0.109817	0.0176	0.251512	3.60E-08
0.0016	-0.07293	0.11551	-0.13553	0.00334	-0.15348	0.00088	-0.20146	1.15E-05
0.26876	-0.27485	1.54E-09	-0.23642	2.35E-07	-0.25548	2.15E-08	-0.12068	0.00904
6.59E-12	-0.28882	2.01E-10	-0.32563	5.37E-13	-0.28435	3.90E-10	-0.27393	1.75E-09



0.17897	-0.03452	0.45669	-0.20558	7.51E-06	-0.3137	4.01E-12	-0.16686	0.00029
0.00759	-0.23648	2.34E-07	-0.29015	1.64E-10	-0.34092	3.57E-14	-0.30243	2.47E-11
1.58E-08	-0.17897	0.0001	-0.1761	0.00013	-0.17139	0.0002	-0.31025	7.06E-12
0.68898	0.15831	0.0006	0.214161	3.01E-06	0.311521	5.74E-12	0.150491	0.00111
1.65E-09	-0.18365	6.55E-05	-0.26409	6.84E-09	-0.28468	3.71E-10	-0.28196	5.54E-10
0.01557	-0.03763	0.41725	-0.03002	0.5176	-0.15023	0.00113	-0.08476	0.06726
1.00E-15	-0.33408	1.22E-13	-0.23816	1.91E-07	-0.25072	3.98E-08	-0.03362	0.46852
5.27E-10	0.081655	0.07793	-0.0168	0.71722	0.043081	0.35292	-0.2243	9.75E-07
0.00052	-0.33686	7.45E-14	-0.33996	4.25E-14	-0.38584	5.02E-18	-0.21669	2.29E-06
1.94E-16	0.078661	0.08952	-0.17657	0.00013	-0.12045	0.00918	-0.27256	2.12E-09
5.68E-26	-0.52222	4.94E-34	-0.46176	4.85E-26	-0.43944	1.80E-23	-0.53472	6.80E-36
1.47E-14	-0.24336	1.01E-07	-0.29143	1.35E-10	-0.22926	5.50E-07	-0.35003	6.61E-15
2.06E-07	-0.2482	5.49E-08	-0.24586	7.38E-08	-0.28179	5.67E-10	-0.3688	1.71E-16
0.97248	0.023184	0.61726	-0.1198	0.00956	-0.09873	0.03292	-0.14774	0.00137
3.89E-20	-0.2342	3.07E-07	-0.31017	7.15E-12	-0.29637	6.37E-11	-0.47173	2.98E-27
1.21E-06	-0.17241	0.00018	-0.29744	5.40E-11	-0.32358	7.64E-13	-0.28391	4.16E-10
0.00351	-0.13734	0.00294	-0.19999	1.33E-05	-0.19985	1.35E-05	-0.29525	7.57E-11
3.00E-07	-0.08323	0.07235	-0.10497	0.02329	-0.07022	0.12968	-0.28887	1.99E-10
0.00234	-0.01599	0.73028	-0.15694	0.00067	-0.27766	1.03E-09	-0.17854	0.0001
2.40E-18	-0.38391	7.56E-18	-0.42467	7.17E-22	-0.42898	2.49E-22	-0.49391	4.31E-30
4.37E-24	-0.1917	3.04E-05	-0.19464	2.28E-05	-0.15482	0.00079	-0.36624	2.86E-16
0.00201	-0.18656	4.98E-05	-0.14323	0.00192	-0.20804	5.80E-06	-0.29166	1.31E-10
0.00207	-0.33538	9.71E-14	-0.20645	6.86E-06	-0.35277	3.93E-15	-0.23789	1.97E-07
1.14E-07	-0.24594	7.31E-08	-0.09763	0.03492	-0.16202	0.00044	-0.31193	5.36E-12
1.47E-17	0.016102	0.72855	-0.08393	0.06998	-0.06337	0.17159	-0.29408	9.05E-11
0.16176	-0.08132	0.07918	-0.18777	4.44E-05	-0.23685	2.24E-07	-0.15835	0.00059
1.55E-10	-0.21852	1.87E-06	-0.1456	0.00161	-0.28454	3.79E-10	-0.24928	4.79E-08
4.29E-05	0.030107	0.51632	0.068455	0.13965	-0.05491	0.23626	-0.14797	0.00134
8.75E-06	0.142222	0.00206	-0.07869	0.0894	-0.11266	0.01485	-0.15177	0.001
1.42E-24	-0.4004	2.08E-19	-0.39118	1.59E-18	-0.39187	1.37E-18	-0.5367	3.40E-36
0.00104	-0.10392	0.02471	-0.10795	0.01962	-0.24701	6.38E-08	-0.19313	2.65E-05
2.40E-05	-0.20941	5.02E-06	-0.15938	0.00055	-0.21043	4.50E-06	-0.20537	7.68E-06
0.09747	0.015139	0.7442	-0.16688	0.00029	-0.23595	2.49E-07	0.009995	0.82944
2.30E-06	-0.19152	3.10E-05	-0.26144	9.77E-09	-0.24928	4.79E-08	-0.32334	7.96E-13
5.79E-22	-0.3271	4.16E-13	-0.38669	4.18E-18	-0.39504	6.82E-19	-0.50322	2.39E-31
0.00018	-0.15433	0.00082	-0.17843	0.00011	-0.19834	1.58E-05	-0.21578	2.53E-06
3.42E-17	-0.2533	2.86E-08	-0.25105	3.82E-08	-0.19261	2.78E-05	-0.39555	6.10E-19
0.00304	-0.10906	0.01839	-0.15661	0.00068	-0.22905	5.64E-07	-0.19275	2.75E-05
1.44E-11	-0.37267	7.82E-17	-0.30902	8.62E-12	-0.29925	4.07E-11	-0.28403	4.09E-10
4.83E-12	-0.05603	0.22684	-0.07114	0.12472	-0.10295	0.0261	0.03926	0.3973
8.36E-08	-0.19007	3.56E-05	-0.12519	0.00675	-0.17919	9.88E-05	-0.31424	3.67E-12
3.04E-16	-0.05887	0.20411	-0.17866	0.0001	-0.14058	0.00233	-0.2559	2.04E-08
0.00043	-0.12971	0.00499	0.070199	0.12982	-0.09048	0.0507	-0.08105	0.08019
4.51E-07	-0.26741	4.34E-09	-0.19503	2.20E-05	-0.29841	4.64E-11	-0.35542	2.37E-15
2.58E-05	-0.0855	0.06489	-0.23291	3.58E-07	-0.29279	1.10E-10	-0.31726	2.22E-12

9.19E-10	-0.29197	1.25E-10	-0.23051	4.76E-07	-0.26568	5.50E-09	-0.37155	9.82E-17
0.14795	-0.06009	0.19491	-0.11469	0.01314	-0.19753	1.71E-05	-0.21629	2.39E-06
7.11E-06	-0.08063	0.08176	-0.12032	0.00925	-0.19089	3.29E-05	-0.12433	0.00715
3.33E-14	-0.1787	0.0001	-0.23331	3.42E-07	-0.22393	1.02E-06	-0.28533	3.37E-10
2.77E-12	-0.24868	5.17E-08	-0.25005	4.34E-08	-0.27523	1.46E-09	-0.26615	5.16E-09
2.97E-16	-0.02665	0.56567	-0.06607	0.15399	-0.0606	0.19115	-0.2479	5.71E-08
0.00124	-0.31447	3.53E-12	-0.30296	2.27E-11	-0.38712	3.81E-18	-0.17881	0.0001
0.01808	0.042669	0.35755	-0.02836	0.54099	-0.00345	0.94066	-0.09188	0.04722
1.27E-11	-0.21531	2.66E-06	-0.2031	9.72E-06	-0.16401	0.00037	-0.27221	2.23E-09
1.97E-06	0.190298	3.48E-05	0.002576	0.95573	-0.0451	0.33076	-0.17976	9.38E-05
0.40064	-0.0628	0.17547	-0.18578	5.36E-05	-0.20668	6.69E-06	-0.12808	0.00557
2.46E-13	-0.25678	1.81E-08	-0.05418	0.24259	-0.08109	0.08002	-0.29761	5.26E-11
2.48E-07	-0.38394	7.51E-18	-0.31736	2.19E-12	-0.46664	1.25E-26	-0.46737	1.02E-26
1.76E-12	-0.32091	1.20E-12	-0.24743	6.06E-08	-0.33355	1.34E-13	-0.38145	1.27E-17
3.20E-05	-0.41302	1.15E-20	-0.3544	2.88E-15	-0.32496	6.03E-13	-0.30976	7.64E-12
0.17721	-0.24512	8.10E-08	-0.26657	4.88E-09	-0.42781	3.33E-22	-0.18866	4.08E-05
0.00035	-0.30035	3.43E-11	-0.30211	2.60E-11	-0.38098	1.40E-17	-0.20546	7.60E-06
4.54E-06	-0.31815	1.91E-12	-0.31075	6.51E-12	-0.39135	1.53E-18	-0.3397	4.46E-14
0.00824	-0.29385	9.38E-11	-0.19524	2.15E-05	-0.27734	1.08E-09	-0.24659	6.73E-08
0.34567	-0.17141	0.0002	-0.1486	0.00128	-0.19148	3.11E-05	-0.21501	2.75E-06
0.00727	-0.16628	0.00031	-0.21454	2.89E-06	-0.25498	2.30E-08	-0.25406	2.59E-08
0.91351	-0.31708	2.29E-12	-0.2144	2.93E-06	-0.37078	1.15E-16	-0.27598	1.31E-09
0.00103	-0.04223	0.36255	-0.09221	0.04641	-0.08414	0.06929	-0.2034	9.41E-06
4.83E-13	-0.3426	2.63E-14	-0.41103	1.84E-20	-0.41312	1.13E-20	-0.44317	6.91E-24
0.01124	0.038599	0.40529	-0.06504	0.16056	-0.01895	0.68291	-0.0731	0.11468
0.34348	-0.13264	0.00409	-0.12256	0.00801	-0.19544	2.11E-05	-0.20549	7.58E-06
0.7924	-0.175	0.00014	-0.10778	0.01982	-0.1105	0.0169	-0.16565	0.00032
5.36E-08	-0.47649	7.64E-28	-0.31737	2.18E-12	-0.36303	5.40E-16	-0.33065	2.24E-13
2.21E-18	-0.24926	4.80E-08	-0.31826	1.88E-12	-0.27214	2.25E-09	-0.40897	2.95E-20
2.35E-08	-0.33481	1.07E-13	-0.35959	1.06E-15	-0.40016	2.19E-19	-0.38422	7.08E-18
1.01E-29	-0.3405	3.86E-14	-0.34438	1.89E-14	-0.18064	8.65E-05	-0.51612	3.76E-33
0.32236	-0.05712	0.21796	-0.11354	0.01409	-0.17596	0.00013	-0.08908	0.0544
1.83E-07	-0.24284	1.08E-07	-0.25518	2.24E-08	-0.23401	3.14E-07	-0.361	8.04E-16
0.01262	-0.0112	0.80925	-0.10424	0.02428	-0.15735	0.00064	-0.17731	0.00012
0.24726	-0.06384	0.16845	-0.17427	0.00015	-0.29474	8.18E-11	-0.09734	0.03547
0.23689	-0.17346	0.00017	-0.1613	0.00047	-0.22597	8.05E-07	-0.23329	3.43E-07
4.17E-27	-0.11975	0.00959	-0.23401	3.15E-07	-0.16548	0.00033	-0.429	2.48E-22
0.96149	-0.08273	0.07409	-0.12047	0.00916	-0.17518	0.00014	-0.08467	0.06753
2.22E-16	0.021624	0.64114	0.029978	0.51813	0.012465	0.78819	-0.27151	2.46E-09
1.27E-06	0.109068	0.01839	-0.09853	0.03328	-0.15862	0.00058	-0.18959	3.73E-05
2.10E-14	-0.22158	1.33E-06	-0.20585	7.30E-06	-0.11018	0.01723	-0.3084	9.53E-12
1.08E-12	0.118946	0.01009	-0.01224	0.79192	-0.06777	0.14369	-0.24584	7.40E-08
4.15E-07	-0.3887	2.72E-18	-0.31646	2.54E-12	-0.39195	1.34E-18	-0.38903	2.53E-18
1.91E-08	0.116029	0.0121	-0.00243	0.95829	-0.03374	0.46706	-0.15116	0.00105
0.08182	-0.30049	3.36E-11	-0.32631	4.77E-13	-0.40941	2.67E-20	-0.25845	1.46E-08

5.23E-06	-0.32647	4.65E-13	-0.35255	4.10E-15	-0.42787	3.28E-22	-0.42234	1.26E-21
6.78E-17	-0.3715	9.92E-17	-0.40037	2.09E-19	-0.4748	1.24E-27	-0.55229	1.21E-38
8.25E-06	-0.29123	1.40E-10	-0.25014	4.29E-08	-0.33575	9.09E-14	-0.36565	3.21E-16
0.02285	-0.14573	0.00159	-0.15651	0.00069	-0.22719	7.00E-07	-0.1984	1.57E-05
6.08E-06	-0.28352	4.40E-10	-0.3424	2.73E-14	-0.4148	7.60E-21	-0.32467	6.34E-13
1.54E-05	-0.20144	1.15E-05	-0.15573	0.00073	-0.20533	7.71E-06	-0.26022	1.15E-08
0.01423	-0.40539	6.72E-20	-0.2611	1.02E-08	-0.38166	1.22E-17	-0.28101	6.35E-10
3.90E-15	0.056071	0.2265	-0.11663	0.01166	-0.08857	0.05578	-0.22605	7.98E-07
1.30E-09	0.265906	5.34E-09	0.04631	0.31798	0.074086	0.10984	-0.13056	0.00471
9.99E-13	0.451948	6.90E-25	0.539724	1.16E-36	0.551057	1.91E-38	0.530161	3.32E-35
5.45E-20	-0.19401	2.43E-05	-0.08867	0.05551	-0.07121	0.12436	-0.29357	9.78E-11
9.30E-13	-0.24758	5.95E-08	-0.20356	9.26E-06	-0.2546	2.41E-08	-0.3835	8.25E-18
0.72858	-0.08581	0.06391	-0.15924	0.00055	-0.30705	1.18E-11	-0.16567	0.00032
0.6613	0.060508	0.1918	-0.0196	0.67268	-0.05347	0.24881	-0.05073	0.27395
1.09E-16	-0.36427	4.23E-16	-0.44416	5.34E-24	-0.44755	2.21E-24	-0.45039	1.04E-24
1.84E-09	-0.32174	1.05E-12	-0.40669	5.00E-20	-0.42978	2.05E-22	-0.37213	8.72E-17
3.38E-23	-0.38495	6.05E-18	-0.45139	8.02E-25	-0.48274	1.23E-28	-0.51223	1.34E-32
1.46E-08	0.059347	0.20048	-0.0601	0.19483	-0.12866	0.00536	-0.21559	2.58E-06
6.32E-19	-0.0885	0.05599	-0.21109	4.20E-06	-0.1419	0.00211	-0.32353	7.69E-13
9.17E-13	-0.13348	0.00386	-0.1092	0.01825	-0.09534	0.03946	-0.18154	7.96E-05
2.01E-21	-0.21324	3.33E-06	-0.23864	1.80E-07	-0.14842	0.0013	-0.32326	8.06E-13
4.51E-28	-0.24682	6.54E-08	-0.35671	1.85E-15	-0.31605	2.72E-12	-0.5266	1.12E-34
3.90E-08	-0.22127	1.37E-06	-0.1612	0.00047	-0.2576	1.63E-08	-0.29178	1.29E-10
6.78E-12	-0.06974	0.13237	-0.04925	0.28824	-0.02153	0.64262	-0.21279	3.50E-06
0.00265	-0.01712	0.71212	-0.11748	0.01106	-0.19047	3.43E-05	-0.16455	0.00036
4.25E-11	-0.20126	1.17E-05	-0.07758	0.094	-0.11881	0.01018	-0.26895	3.51E-09
0.28755	-0.25044	4.13E-08	-0.30751	1.10E-11	-0.39853	3.15E-19	-0.32965	2.67E-13
0.00926	0.000711	0.98778	-0.15985	0.00053	-0.16763	0.00027	-0.27969	7.70E-10
1.32E-10	-0.3014	2.91E-11	-0.17412	0.00016	-0.25434	2.50E-08	-0.37479	5.07E-17
0.16476	-0.15185	0.001	-0.24367	9.70E-08	-0.37564	4.25E-17	-0.11437	0.01339
2.82E-06	0.149877	0.00116	-0.03131	0.49969	-0.09402	0.04227	0.106878	0.02088
0.01375	-0.18247	7.31E-05	-0.19974	1.37E-05	-0.2458	7.44E-08	-0.28542	3.33E-10
0.00024	0.295498	7.28E-11	0.27499	1.51E-09	0.277437	1.06E-09	0.317049	2.30E-12
0.0006	-0.13029	0.0048	-0.26039	1.12E-08	-0.21322	3.34E-06	-0.32449	6.53E-13
1.66E-05	-0.20741	6.20E-06	-0.22795	6.41E-07	-0.25814	1.52E-08	-0.33979	4.39E-14
4.44E-25	-0.45224	6.38E-25	-0.31913	1.62E-12	-0.33273	1.55E-13	-0.42967	2.10E-22
0.25485	-0.10302	0.02601	-0.13329	0.00391	-0.15569	0.00074	-0.17028	0.00022
0.00086	0.167135	0.00029	0.231314	4.33E-07	0.247474	6.02E-08	0.164701	0.00035
0.97546	-0.2007	1.24E-05	-0.21517	2.70E-06	-0.28618	2.97E-10	-0.25854	1.44E-08
3.03E-13	-0.08332	0.07205	-0.23571	2.57E-07	-0.1967	1.86E-05	-0.2866	2.79E-10
9.97E-11	-0.19978	1.36E-05	-0.1623	0.00043	-0.18979	3.66E-05	-0.07311	0.11463
0.479	-0.24024	1.48E-07	-0.35413	3.03E-15	-0.38407	7.30E-18	-0.14327	0.00191
1.07E-06	0.221996	1.27E-06	0.057201	0.21727	0.010663	0.81824	-0.14606	0.00155
0.00473	0.181987	7.64E-05	0.236459	2.34E-07	0.394185	8.24E-19	0.152138	0.00097
2.92E-15	-0.32541	5.57E-13	-0.25595	2.02E-08	-0.23249	3.77E-07	-0.23808	1.93E-07

3.32E-09	-0.31139	5.86E-12	-0.34586	1.44E-14	-0.41926	2.64E-21	-0.17094	0.00021
6.02E-16	-0.15351	0.00087	-0.02222	0.63205	-0.04776	0.30303	-0.33873	5.32E-14
0.04481	-0.1246	0.00702	-0.13099	0.00458	-0.2205	1.50E-06	-0.18971	3.69E-05
1.40E-15	0.475241	1.09E-27	0.50163	3.95E-31	0.564876	1.02E-40	0.563684	1.62E-40
9.79E-16	-0.25088	3.91E-08	-0.23547	2.64E-07	-0.26779	4.12E-09	-0.309	8.65E-12
5.06E-15	-0.22386	1.02E-06	-0.15162	0.00101	-0.14562	0.0016	-0.29654	6.21E-11
0.13737	-0.16904	0.00024	-0.20763	6.06E-06	-0.34968	7.06E-15	-0.23105	4.46E-07
0.78846	-0.06639	0.15204	0.023465	0.613	-0.05905	0.20276	-0.01791	0.69949
3.30E-13	-0.35343	3.47E-15	-0.20294	9.87E-06	-0.24574	7.49E-08	-0.29914	4.14E-11
1.29E-32	0.427591	3.51E-22	0.457298	1.64E-25	0.424292	7.85E-22	0.496003	2.27E-30
3.85E-14	-0.05191	0.26289	-0.2067	6.69E-06	-0.13739	0.00293	-0.18229	7.43E-05
0.73456	-0.17507	0.00014	-0.13517	0.00343	-0.23992	1.54E-07	-0.09015	0.05156
2.92E-20	-0.12695	0.00601	-0.21387	3.11E-06	-0.19402	2.43E-05	-0.346	1.40E-14
8.52E-12	-0.33471	1.09E-13	-0.23901	1.72E-07	-0.28397	4.12E-10	-0.34999	6.66E-15
0.62471	-0.29197	1.25E-10	-0.27521	1.46E-09	-0.40022	2.16E-19	-0.18941	3.80E-05
1.59E-10	-0.25018	4.27E-08	-0.23311	3.50E-07	-0.27724	1.09E-09	-0.31805	1.94E-12
7.17E-27	-0.31045	6.83E-12	-0.37632	3.70E-17	-0.34311	2.39E-14	-0.47367	1.72E-27
8.03E-12	-0.32074	1.24E-12	-0.32008	1.38E-12	-0.35275	3.95E-15	-0.31027	7.03E-12
0.2423	0.047479	0.3059	0.008762	0.85021	-0.04486	0.33336	-0.11293	0.01462
0.03702	-0.16275	0.00041	-0.22439	9.64E-07	-0.25966	1.24E-08	-0.26335	7.55E-09
9.96E-17	-0.247	6.40E-08	-0.24305	1.05E-07	-0.18309	6.90E-05	-0.42181	1.43E-21
0.35221	0.039629	0.39286	-0.12602	0.00639	-0.09659	0.03693	-0.22488	9.12E-07
5.08E-11	-0.37437	5.52E-17	-0.43337	8.36E-23	-0.48467	6.97E-29	-0.47373	1.69E-27
5.95E-06	-0.16537	0.00033	-0.27523	1.46E-09	-0.29646	6.28E-11	-0.09476	0.04066
1.16E-18	-0.34495	1.70E-14	-0.36011	9.57E-16	-0.35744	1.61E-15	-0.50899	3.81E-32
0.91223	0.007188	0.87688	-0.02262	0.6259	-0.05663	0.22192	-0.07899	0.08817
1.33E-09	-0.24191	1.21E-07	-0.14498	0.00168	-0.11609	0.01206	-0.24362	9.76E-08
1.25E-08	-0.37147	9.98E-17	-0.40814	3.58E-20	-0.46944	5.71E-27	-0.45967	8.60E-26
5.97E-11	-0.15437	0.00082	-0.27423	1.68E-09	-0.26476	6.24E-09	-0.36993	1.36E-16
1.27E-10	0.136923	0.00303	-0.02576	0.57876	0.039179	0.39826	-0.10956	0.01786
0.06965	-0.15296	0.00091	-0.229	5.67E-07	-0.29271	1.12E-10	-0.3284	3.32E-13
0.20209	0.036473	0.43167	-0.18235	7.39E-05	-0.16411	0.00037	-0.20846	5.55E-06
1.04E-05	0.109938	0.01747	-0.08287	0.07361	-0.06412	0.16656	-0.15536	0.00075
3.85E-11	-0.01858	0.68877	-0.10053	0.02985	-0.04248	0.3597	-0.25591	2.03E-08
0.00803	0.010889	0.81445	0.030769	0.50713	0.062087	0.18044	0.102211	0.0272
6.10E-17	-0.02662	0.56614	-0.08032	0.08293	-0.00764	0.86925	-0.14732	0.00141
0.00014	-0.08284	0.07369	-0.10878	0.0187	-0.07358	0.11229	-0.17774	0.00011
4.97E-15	0.04485	0.33349	-0.12836	0.00547	-0.07592	0.10129	-0.23889	1.75E-07
0.00014	-0.20821	5.70E-06	-0.18072	8.59E-05	-0.24669	6.65E-08	-0.15583	0.00073
1.38E-06	-0.21533	2.65E-06	-0.18741	4.60E-05	-0.21002	4.70E-06	-0.28541	3.33E-10
1.75E-20	-0.16686	0.00029	-0.18098	8.39E-05	-0.21383	3.12E-06	-0.34301	2.44E-14
2.08E-42	-0.42264	1.17E-21	-0.51457	6.24E-33	-0.47327	1.92E-27	-0.59329	9.69E-46
4.92E-24	-0.4399	1.60E-23	-0.37691	3.27E-17	-0.4401	1.52E-23	-0.47243	2.45E-27
6.54E-12	-0.25091	3.89E-08	-0.17964	9.48E-05	-0.20228	1.06E-05	-0.21444	2.92E-06
0.00012	-0.32108	1.17E-12	-0.24748	6.02E-08	-0.42097	1.75E-21	-0.20658	6.77E-06

3.42E-06	0.022955	0.62075	-0.08964	0.05288	-0.09122	0.04882	-0.23195	4.01E-07
0.00289	-0.04118	0.37458	-0.18745	4.58E-05	-0.16843	0.00026	-0.29158	1.33E-10
0.24932	-0.11166	0.01577	-0.1214	0.00863	-0.16327	0.0004	-0.23195	4.02E-07
1.61E-32	-0.40283	1.20E-19	-0.43238	1.07E-22	-0.41184	1.52E-20	-0.57112	8.85E-42
3.86E-07	-0.28429	3.93E-10	-0.33935	4.75E-14	-0.36406	4.40E-16	-0.41445	8.26E-21
1.65E-22	-0.34091	3.58E-14	-0.31087	6.38E-12	-0.35668	1.86E-15	-0.47102	3.65E-27
0.85596	-0.21959	1.66E-06	-0.20298	9.84E-06	-0.31475	3.37E-12	-0.21171	3.93E-06
0.02027	-0.18173	7.82E-05	-0.19263	2.78E-05	-0.28003	7.33E-10	-0.30311	2.22E-11
3.51E-20	-0.30179	2.73E-11	-0.31426	3.66E-12	-0.26923	3.38E-09	-0.4164	5.20E-21
9.73E-18	-0.3932	1.02E-18	-0.3104	6.89E-12	-0.32076	1.23E-12	-0.38894	2.58E-18
0.00043	-0.26147	9.73E-09	-0.25247	3.18E-08	-0.30431	1.84E-11	-0.20183	1.11E-05
1.03E-05	0.110491	0.01691	-0.02449	0.5976	-0.0692	0.13541	0.088973	0.05468
3.04E-46	-0.46314	3.31E-26	-0.3976	3.88E-19	-0.37367	6.38E-17	-0.61364	1.17E-49
5.64E-17	-0.15876	0.00057	-0.13871	0.00266	-0.12832	0.00548	-0.27679	1.17E-09
1.37E-09	0.10886	0.01861	-0.00551	0.9054	-0.05034	0.27763	-0.0083	0.8581
1.72E-12	-0.3147	3.40E-12	-0.33744	6.71E-14	-0.41824	3.37E-21	-0.47697	6.65E-28
3.24E-28	-0.44721	2.42E-24	-0.3488	8.32E-15	-0.32175	1.04E-12	-0.46104	5.91E-26
3.90E-35	-0.47632	8.02E-28	-0.48646	4.09E-29	-0.46714	1.09E-26	-0.6033	1.24E-47
4.52E-06	-0.22804	6.34E-07	-0.19624	1.95E-05	-0.2386	1.81E-07	-0.28659	2.80E-10
1.13E-23	-0.21324	3.33E-06	-0.1458	0.00158	-0.13006	0.00488	-0.3783	2.45E-17
6.29E-09	-0.18528	5.62E-05	-0.27562	1.38E-09	-0.30011	3.56E-11	-0.30879	8.94E-12
2.03E-05	0.174947	0.00014	-0.09303	0.04449	-0.09155	0.048	-0.15687	0.00067
0.32316	-0.31087	6.38E-12	-0.30045	3.38E-11	-0.37852	2.34E-17	-0.22487	9.13E-07
5.06E-07	-0.04958	0.28497	-0.20104	1.20E-05	-0.18168	7.86E-05	-0.27645	1.22E-09
1.33E-15	-0.21658	2.31E-06	-0.16784	0.00027	-0.23406	3.13E-07	-0.32745	3.92E-13
5.32E-21	-0.31794	1.98E-12	-0.28577	3.16E-10	-0.29688	5.89E-11	-0.32989	2.56E-13
3.32E-07	0.163989	0.00037	0.209741	4.85E-06	0.2715	2.46E-09	0.169558	0.00023
0.00202	-0.29339	1.01E-10	-0.21869	1.83E-06	-0.28306	4.71E-10	-0.38088	1.43E-17
9.18E-20	-0.27062	2.78E-09	-0.24939	4.72E-08	-0.22669	7.41E-07	-0.39282	1.11E-18
1.14E-08	0.077038	0.09635	0.06974	0.13235	0.087124	0.05993	0.308378	9.56E-12
6.50E-07	0.110745	0.01666	-0.14597	0.00156	-0.10495	0.02331	-0.21569	2.55E-06
0.04766	0.029583	0.52366	-0.10387	0.02478	-0.1497	0.00118	-0.19443	2.33E-05
0.98233	-0.14932	0.00121	-0.17238	0.00018	-0.28758	2.42E-10	-0.24634	6.94E-08
1.81E-06	-0.23469	2.90E-07	-0.16378	0.00038	-0.23184	4.07E-07	-0.25195	3.40E-08
0.70771	0.059212	0.2015	-0.07646	0.09889	-0.04564	0.32499	-0.09649	0.03712
4.29E-18	-0.17047	0.00021	-0.17858	0.0001	-0.20721	6.33E-06	-0.28358	4.37E-10
2.33E-10	0.050775	0.27351	-0.17667	0.00012	-0.11022	0.01719	-0.26924	3.38E-09
1.30E-10	-0.4252	6.30E-22	-0.38438	6.84E-18	-0.47838	4.42E-28	-0.45455	3.45E-25
0.00019	-0.14071	0.00231	-0.18717	4.70E-05	-0.27236	2.18E-09	-0.1745	0.00015
0.00018	-0.04231	0.36161	-0.10639	0.02148	-0.20138	1.16E-05	-0.21242	3.64E-06
4.34E-17	-0.23617	2.43E-07	-0.15557	0.00074	-0.1292	0.00517	-0.34543	1.56E-14
0.00386	0.116533	0.01173	-0.00474	0.91863	0.039906	0.38957	-0.15385	0.00085
5.31E-09	-0.03798	0.41291	-0.1169	0.01147	-0.11972	0.00961	0.026276	0.57112
1.30E-09	-0.32967	2.66E-13	-0.23363	3.29E-07	-0.31351	4.14E-12	-0.31612	2.69E-12
0.00022	-0.36262	5.85E-16	-0.25229	3.26E-08	-0.37269	7.78E-17	-0.05159	0.26591

0.00283	-0.15471	0.00008	-0.12185	0.00839	-0.13562	0.00332	-0.17405	0.00016
2.97E-14	0.019486	0.67449	-0.06147	0.18484	-0.05583	0.22852	-0.22781	6.51E-07
1.12E-21	-0.24033	1.46E-07	-0.36317	5.25E-16	-0.36001	9.76E-16	-0.4727	2.27E-27
3.46E-11	-0.15553	0.00074	-0.21236	3.66E-06	-0.22339	1.08E-06	-0.33483	1.07E-13
1.80E-15	-0.26458	6.40E-09	-0.27619	1.27E-09	-0.32207	9.88E-13	-0.321	1.18E-12
1.30E-15	-0.03392	0.46463	-0.13533	0.00339	-0.06321	0.17264	-0.28502	3.53E-10
0.1484	-0.07618	0.10015	-0.25006	4.33E-08	-0.27053	2.82E-09	-0.25821	1.50E-08
0.30906	-0.15999	0.00052	-0.06745	0.14557	-0.21027	4.58E-06	-0.0897	0.05273
2.93E-12	-0.12793	0.00563	-0.05784	0.21215	-0.07844	0.09042	-0.33438	1.16E-13
1.08E-08	-0.12007	0.0094	-0.25998	1.19E-08	-0.27531	1.44E-09	-0.26575	5.45E-09
4.31E-13	-0.12341	0.00759	-0.32009	1.38E-12	-0.35794	1.46E-15	-0.32594	5.09E-13
0.96212	-0.26149	9.70E-09	-0.21546	2.62E-06	-0.34406	2.01E-14	-0.26883	3.57E-09
8.17E-06	-0.27392	1.75E-09	-0.2178	2.02E-06	-0.22399	1.01E-06	-0.2929	1.08E-10
4.08E-05	0.250669	4.01E-08	0.010532	0.82043	-0.00334	0.94266	-0.09667	0.03677
5.58E-10	-0.25745	1.66E-08	-0.2602	1.15E-08	-0.28336	4.51E-10	-0.36233	6.19E-16
2.52E-25	-0.43155	1.32E-22	-0.48286	1.19E-28	-0.42194	1.39E-21	-0.50818	4.94E-32
8.56E-16	-0.49163	8.65E-30	-0.40529	6.87E-20	-0.47737	5.92E-28	-0.49394	4.28E-30
4.58E-14	-0.38387	7.62E-18	-0.32751	3.88E-13	-0.36376	4.68E-16	-0.45797	1.37E-25
7.17E-12	-0.25607	1.99E-08	-0.15804	0.00061	0.002266	0.96105	-0.23353	3.33E-07
1.44E-11	-0.30677	1.24E-11	-0.31724	2.23E-12	-0.30643	1.31E-11	-0.40767	3.98E-20
0.00841	-0.16695	0.00029	-0.19295	2.69E-05	-0.27003	3.02E-09	-0.2542	2.54E-08
4.85E-09	-0.24236	1.14E-07	-0.32641	4.69E-13	-0.40976	2.46E-20	-0.40687	4.79E-20
0.19893	-0.14285	0.00197	-0.17807	0.00011	-0.26904	3.47E-09	-0.25177	3.48E-08
0.56029	0.133182	0.00394	-0.01067	0.81804	0.012154	0.79336	-0.08584	0.06383
3.96E-13	-0.23006	5.01E-07	-0.14544	0.00162	-0.17157	0.0002	-0.29147	1.35E-10
0.00316	-0.1466	0.00149	-0.20679	6.62E-06	-0.18919	3.88E-05	-0.13495	0.00348
0.00023	-0.1078	0.0198	-0.22257	1.19E-06	-0.25366	2.73E-08	-0.21234	3.67E-06
4.71E-06	-0.32844	3.30E-13	-0.25489	2.32E-08	-0.3863	4.54E-18	-0.27731	1.08E-09
8.73E-11	0.173053	0.00017	0.019448	0.67508	0.044976	0.33213	-0.24237	1.14E-07
0.00123	-0.17354	0.00016	-0.25524	2.22E-08	-0.30291	2.29E-11	-0.27257	2.12E-09
0.00417	0.224533	9.49E-07	0.201489	1.15E-05	0.259688	1.23E-08	0.231538	4.21E-07
0.56836	0.068365	0.14017	-0.10585	0.02215	-0.16603	0.00031	-0.16885	0.00025
9.86E-13	-0.36523	3.50E-16	-0.1682	0.00026	-0.23959	1.60E-07	-0.35262	4.04E-15
0.0014	-0.03779	0.41524	-0.16083	0.00048	-0.18645	5.04E-05	-0.07016	0.13003
1.23E-14	-0.20449	8.42E-06	-0.23007	5.01E-07	-0.3376	6.52E-14	-0.3569	1.78E-15
1.66E-28	-0.47844	4.35E-28	-0.45126	8.29E-25	-0.46007	7.71E-26	-0.54641	1.05E-37
0.002	-0.27004	3.02E-09	-0.19351	2.55E-05	-0.25255	3.15E-08	-0.24435	8.91E-08
3.83E-42	-0.45841	1.21E-25	-0.48014	2.64E-28	-0.43044	1.74E-22	-0.58246	9.07E-44
9.81E-06	-0.05802	0.21073	-0.14271	0.00199	-0.1309	0.00461	-0.19016	3.53E-05
1.58E-09	0.060765	0.18991	0.107525	0.02012	0.059913	0.19621	-0.13561	0.00332
7.19E-05	-0.3179	1.99E-12	-0.23591	2.50E-07	-0.29038	1.59E-10	-0.29835	4.69E-11
2.83E-15	-0.01219	0.79282	-0.07908	0.08783	-0.11158	0.01585	-0.27499	1.51E-09
0.00032	-0.15869	0.00058	-0.20227	1.06E-05	-0.20304	9.77E-06	-0.13284	0.00403
8.36E-07	-0.29138	1.36E-10	-0.30013	3.55E-11	-0.3952	6.60E-19	-0.38408	7.29E-18
9.45E-08	-0.3138	3.94E-12	-0.15728	0.00065	-0.25478	2.36E-08	-0.3228	8.72E-13

1.61E-11	-0.20816	5.73E-06	-0.23818	1.90E-07	-0.25021	4.25E-08	-0.26592	5.32E-09
1.35E-27	-0.22013	1.56E-06	-0.24595	7.30E-08	-0.232	3.99E-07	-0.34958	7.19E-15
5.26E-14	0.172564	0.00018	0.058852	0.20427	-0.02116	0.64827	0.02155	0.64229
2.39E-09	-0.25596	2.02E-08	-0.08479	0.06716	0.004267	0.92672	-0.27054	2.82E-09
1.53E-27	-0.36276	5.69E-16	-0.32227	9.55E-13	-0.28817	2.21E-10	-0.51616	3.71E-33
1.20E-06	-0.05615	0.22582	-0.1621	0.00044	-0.28809	2.24E-10	-0.15608	0.00071
6.16E-08	-0.31621	2.65E-12	-0.41612	5.57E-21	-0.4494	1.36E-24	-0.46333	3.15E-26
0.00058	-0.04348	0.34851	-0.20681	6.61E-06	-0.25565	2.10E-08	-0.25667	1.84E-08
6.45E-06	0.011571	0.80305	-0.16369	0.00038	-0.15959	0.00054	-0.27069	2.76E-09
0.19283	0.153717	0.00086	0.11181	0.01563	0.26051	1.11E-08	0.144829	0.0017
0.00495	-0.13316	0.00394	-0.03236	0.48535	-0.15996	0.00052	-0.2354	2.66E-07
3.42E-05	-0.10695	0.0208	-0.14466	0.00172	-0.16377	0.00038	-0.19502	2.20E-05
0.0001	0.075645	0.10254	-0.04239	0.36074	0.0167	0.71889	-0.11427	0.01348
1.73E-13	-0.30511	1.62E-11	-0.22334	1.09E-06	-0.18858	4.11E-05	-0.36197	6.65E-16
1.29E-32	-0.33241	1.64E-13	-0.16958	0.00023	-0.17116	0.0002	-0.4686	7.23E-27
3.84E-12	-0.09249	0.04576	-0.2238	1.03E-06	-0.21663	2.30E-06	-0.31528	3.09E-12
9.73E-06	-0.19202	2.95E-05	-0.19416	2.39E-05	-0.21522	2.69E-06	-0.25224	3.28E-08
0.00927	-0.19335	2.59E-05	-0.28884	2.00E-10	-0.3517	4.82E-15	-0.29806	4.90E-11
0.08126	0.146985	0.00145	-0.04993	0.28157	-0.04323	0.35123	-0.06218	0.17978
3.42E-14	-0.43243	1.06E-22	-0.44117	1.16E-23	-0.52129	6.75E-34	-0.52229	4.83E-34
0.78958	-0.12138	0.00865	-0.05377	0.2462	-0.16201	0.00044	0.152858	0.00092
3.21E-32	-0.43869	2.19E-23	-0.33287	1.52E-13	-0.32694	4.28E-13	-0.53058	2.87E-35
0.24678	-0.08464	0.06764	-0.1752	0.00014	-0.21794	1.99E-06	-0.1797	9.43E-05
3.02E-17	-0.20189	1.10E-05	-0.23985	1.55E-07	-0.2934	1.00E-10	-0.3703	1.26E-16
0.00152	-0.15539	0.00075	-0.23468	2.90E-07	-0.24307	1.05E-07	-0.29111	1.42E-10
0.0319	-0.30586	1.43E-11	-0.22987	5.12E-07	-0.31285	4.61E-12	-0.31524	3.11E-12
1.41E-22	-0.31066	6.60E-12	-0.36714	2.39E-16	-0.36246	6.03E-16	-0.49402	4.17E-30
0.58047	-0.15997	0.00052	0.003746	0.93565	-0.12844	0.00544	-0.06558	0.15711
1.83E-06	-0.26655	4.89E-09	-0.14421	0.00178	-0.1397	0.00248	-0.2345	2.96E-07
2.19E-10	-0.26974	3.15E-09	-0.37058	1.19E-16	-0.34464	1.80E-14	-0.40651	5.20E-20
2.63E-36	-0.49177	8.28E-30	-0.48412	8.20E-29	-0.48435	7.67E-29	-0.63893	6.12E-55
4.23E-12	-0.38219	1.09E-17	-0.23482	2.85E-07	-0.34783	9.97E-15	-0.37744	2.93E-17
5.92E-16	-0.30093	3.13E-11	-0.3173	2.21E-12	-0.25149	3.61E-08	-0.35408	3.07E-15
0.00691	-0.26748	4.30E-09	-0.11548	0.01251	-0.12897	0.00525	-0.21136	4.08E-06
4.18E-09	-0.13014	0.00485	-0.16145	0.00046	-0.25821	1.50E-08	-0.35753	1.58E-15
8.37E-21	-0.14265	0.002	-0.0819	0.07703	0.120128	0.00936	-0.33018	2.43E-13
9.92E-07	-0.27265	2.10E-09	-0.24246	1.13E-07	-0.30304	2.24E-11	-0.37868	2.27E-17
0.01678	-0.17151	0.0002	-0.27118	2.58E-09	-0.32718	4.11E-13	-0.19234	2.86E-05
7.74E-10	0.046082	0.32037	-0.12436	0.00713	-0.04647	0.31633	-0.27893	8.59E-10
0.00194	-0.32382	7.32E-13	-0.25398	2.62E-08	-0.31777	2.04E-12	-0.31846	1.82E-12
1.24E-08	-0.18111	8.29E-05	-0.20349	9.33E-06	-0.21859	1.85E-06	-0.18832	4.21E-05
0.68078	0.016512	0.72191	-0.03596	0.43813	-0.06153	0.18439	-0.10031	0.03021
2.40E-12	-0.13792	0.00282	-0.25403	2.60E-08	-0.26675	4.76E-09	-0.32396	7.15E-13
0.08734	-0.06631	0.15252	-0.12394	0.00733	-0.18147	8.02E-05	-0.14077	0.0023
8.38E-11	-0.03089	0.50542	-0.09966	0.03129	-0.0505	0.27614	-0.18939	3.80E-05

5.61E-17	-0.50276	2.77E-31	-0.3365	7.94E-14	-0.38575	5.12E-18	-0.45129	8.22E-25
0.01059	-0.32327	8.04E-13	-0.28616	2.98E-10	-0.36803	2.00E-16	-0.33681	7.51E-14
8.84E-08	-0.24167	1.24E-07	-0.19265	2.77E-05	-0.16741	0.00028	-0.30389	1.96E-11
1.10E-21	-0.09205	0.04679	-0.20892	5.29E-06	-0.18247	7.31E-05	-0.44296	7.30E-24
2.21E-07	-0.04004	0.38799	-0.14614	0.00154	-0.27135	2.52E-09	-0.10829	0.01925
0.69925	-0.2229	1.14E-06	-0.23755	2.05E-07	-0.32516	5.82E-13	-0.15852	0.00059
0.0184	-0.08661	0.06146	-0.13346	0.00386	-0.13981	0.00246	-0.17005	0.00022
3.03E-11	-0.05365	0.24718	-0.11546	0.01253	-0.09331	0.04385	-0.23491	2.82E-07
3.40E-07	-0.10857	0.01893	-0.16893	0.00025	-0.12595	0.00642	-0.31896	1.67E-12
3.08E-07	-0.39218	1.28E-18	-0.20096	1.21E-05	-0.24469	8.55E-08	-0.3069	1.21E-11
0.02371	0.084155	0.06922	-0.14431	0.00177	-0.16108	0.00048	-0.07643	0.09903
3.89E-06	-0.17956	9.55E-05	-0.12157	0.00854	-0.21454	2.89E-06	-0.30104	3.08E-11
1.64E-19	-0.05972	0.19763	-0.19121	3.19E-05	-0.1197	0.00962	-0.31495	3.26E-12
5.00E-28	-0.32907	2.96E-13	-0.325	5.98E-13	-0.32211	9.80E-13	-0.49921	8.41E-31
0.00069	-0.34263	2.61E-14	-0.37308	7.19E-17	-0.44722	2.41E-24	-0.37072	1.16E-16
0.00598	-0.38949	2.29E-18	-0.26582	5.40E-09	-0.37663	3.47E-17	-0.3439	2.07E-14
0.00076	-0.02454	0.59684	-0.10619	0.02172	-0.11177	0.01567	-0.11005	0.01736
3.57E-10	0.022568	0.62664	-0.04178	0.36771	-0.08435	0.06858	-0.14813	0.00133
0.67374	-0.31636	2.58E-12	-0.14078	0.00229	-0.25451	2.44E-08	-0.1488	0.00126
0.00384	0.0008	0.98624	-0.16664	0.0003	-0.18576	5.37E-05	-0.21988	1.60E-06
0.00022	-0.36239	6.13E-16	-0.3295	2.74E-13	-0.455	3.05E-25	-0.36208	6.51E-16
2.62E-26	-0.33724	6.95E-14	-0.12774	0.0057	-0.15769	0.00063	-0.28911	1.92E-10
2.70E-28	-0.1603	0.00051	-0.13634	0.00315	-0.10158	0.02817	-0.3633	5.11E-16
0.98407	0.062323	0.17878	-0.12172	0.00846	-0.16138	0.00046	-0.07052	0.12807
9.94E-06	-0.20166	1.13E-05	-0.13831	0.00274	-0.19081	3.32E-05	-0.30602	1.40E-11
6.36E-32	0.362265	6.28E-16	0.390717	1.76E-18	0.406108	5.70E-20	0.447618	2.17E-24
0.2449	0.174472	0.00015	-0.01846	0.69075	-0.02693	0.56156	-0.05076	0.27365
0.89273	-0.24648	6.82E-08	-0.19642	1.91E-05	-0.32312	8.26E-13	-0.23654	2.32E-07
2.81E-08	-0.06925	0.1351	-0.16766	0.00027	-0.20386	8.98E-06	-0.24227	1.15E-07
6.32E-20	-0.16942	0.00023	-0.18169	7.85E-05	-0.15238	0.00096	-0.27259	2.12E-09
6.52E-06	0.023573	0.61136	0.05526	0.2333	-0.05402	0.24399	-0.06191	0.18166
8.39E-21	-0.32184	1.03E-12	-0.36697	2.47E-16	-0.38909	2.50E-18	-0.46642	1.33E-26
3.62E-08	-0.16742	0.00028	-0.33648	7.96E-14	-0.33945	4.67E-14	-0.38132	1.31E-17
0.01214	0.351429	5.07E-15	0.19532	2.13E-05	0.376019	3.93E-17	0.202531	1.03E-05
3.27E-06	0.350839	5.67E-15	0.279565	7.83E-10	0.33173	1.85E-13	0.261642	9.51E-09
2.70E-06	0.048022	0.30039	-0.08137	0.079	0.03132	0.49956	0.22155	1.33E-06
5.21E-07	0.255635	2.11E-08	0.133729	0.00379	0.195347	2.13E-05	0.276941	1.14E-09
0.20447	0.185494	5.51E-05	0.116989	0.0114	0.256463	1.89E-08	0.134217	0.00366
0.00013	0.365389	3.38E-16	0.188861	4.00E-05	0.407032	4.62E-20	0.256766	1.82E-08
1.49E-08	0.40324	1.09E-19	0.24133	1.30E-07	0.349069	7.91E-15	0.294079	9.05E-11
0.54573	0.141587	0.00216	0.083153	0.07261	0.15924	0.00055	0.04292	0.35473
0.64684	0.213142	3.36E-06	0.127483	0.0058	0.201338	1.16E-05	0.108373	0.01915
0.00075	0.185745	5.38E-05	0.115511	0.01249	0.215453	2.62E-06	0.049553	0.28523
0.00011	0.357186	1.69E-15	0.228156	6.26E-07	0.336348	8.16E-14	0.250034	4.35E-08
1.83E-06	0.389661	2.21E-18	0.243079	1.04E-07	0.34421	1.95E-14	0.274557	1.60E-09



3.55E-06	0.570099	1.32E-41	0.297265	5.55E-11	0.363784	4.65E-16	0.266021	5.26E-09
0.00325	0.242474	1.13E-07	0.175762	0.00013	0.271619	2.42E-09	0.234265	3.05E-07
0.00171	0.230379	4.83E-07	0.170444	0.00022	0.176862	0.00012	0.120384	0.00921
4.95E-06	0.42962	2.13E-22	0.260668	1.08E-08	0.407315	4.33E-20	0.295779	6.98E-11
0.06369	0.358088	1.42E-15	0.351784	4.74E-15	0.427705	3.41E-22	0.288196	2.20E-10
0.00213	0.343528	2.22E-14	0.18812	4.30E-05	0.34757	1.05E-14	0.2225	1.20E-06
1.51E-05	0.351043	5.46E-15	0.207406	6.20E-06	0.305444	1.53E-11	0.265689	5.50E-09
6.01E-05	0.391157	1.60E-18	0.25226	3.27E-08	0.385857	5.00E-18	0.299875	3.69E-11
6.07E-05	0.395129	6.70E-19	0.220007	1.58E-06	0.40075	1.92E-19	0.302236	2.55E-11
0.00168	0.342641	2.61E-14	0.206425	6.88E-06	0.327268	4.04E-13	0.252799	3.05E-08
0.02494	0.222627	1.18E-06	0.114611	0.0132	0.21816	1.94E-06	0.142441	0.00203
0.7555	0.229807	5.16E-07	0.118583	0.01032	0.294199	8.89E-11	0.105023	0.02322
6.05E-08	0.301698	2.78E-11	0.229671	5.24E-07	0.274066	1.72E-09	0.30345	2.10E-11
2.36E-06	0.350752	5.77E-15	0.188349	4.20E-05	0.303087	2.23E-11	0.27987	7.50E-10
1.67E-05	0.401676	1.56E-19	0.254326	2.50E-08	0.373308	6.86E-17	0.275397	1.42E-09
4.43E-05	0.357105	1.71E-15	0.205381	7.67E-06	0.360053	9.68E-16	0.237613	2.04E-07
0.40807	0.136486	0.00312	0.190809	3.32E-05	0.185961	5.27E-05	0.095604	0.0389
0.00028	0.414742	7.70E-21	0.282566	5.07E-10	0.409105	2.86E-20	0.245658	7.57E-08
1.06E-05	0.410995	1.85E-20	0.247167	6.26E-08	0.404551	8.13E-20	0.299653	3.83E-11
0.34678	0.213405	3.27E-06	0.214201	3.00E-06	0.320756	1.23E-12	0.192178	2.90E-05
0.00018	0.436335	3.97E-23	0.242983	1.06E-07	0.341291	3.34E-14	0.30682	1.23E-11
4.67E-12	0.417823	3.72E-21	0.25241	3.21E-08	0.345661	1.49E-14	0.327112	4.15E-13
0.08846	0.292282	1.19E-10	0.176998	0.00012	0.282844	4.86E-10	0.185314	5.60E-05
0.02936	0.363096	5.33E-16	0.201032	1.20E-05	0.360888	8.22E-16	0.235668	2.58E-07
0.00564	0.381443	1.27E-17	0.395676	5.94E-19	0.507875	5.46E-32	0.364741	3.85E-16
7.19E-07	0.436298	4.01E-23	0.284622	3.75E-10	0.418662	3.04E-21	0.327655	3.78E-13
6.04E-05	0.364841	3.77E-16	0.199695	1.38E-05	0.351228	5.27E-15	0.277384	1.07E-09
0.00179	0.221994	1.27E-06	0.094846	0.04048	0.173966	0.00016	0.205119	7.88E-06
1.39E-06	0.46321	3.25E-26	0.261905	9.18E-09	0.40374	9.78E-20	0.343876	2.08E-14
0.00245	0.357952	1.46E-15	0.218453	1.88E-06	0.354493	2.83E-15	0.217841	2.01E-06
2.39E-05	0.401477	1.63E-19	0.276157	1.28E-09	0.374842	5.01E-17	0.300626	3.28E-11
0.00045	0.375152	4.70E-17	0.267252	4.44E-09	0.413345	1.07E-20	0.270786	2.72E-09
0.00182	0.353815	3.22E-15	0.290879	1.47E-10	0.338637	5.40E-14	0.201641	1.13E-05
1.07E-06	0.488355	2.32E-29	0.351141	5.36E-15	0.458644	1.14E-25	0.453462	4.61E-25
7.81E-13	0.584861	3.37E-44	0.425285	6.17E-22	0.458066	1.33E-25	0.409001	2.93E-20
0.05831	-0.02501	0.58978	-0.06822	0.14103	-0.02477	0.59339	0.084987	0.06651
0.0977	0.225905	8.11E-07	0.021847	0.6377	0.235712	2.56E-07	0.165244	0.00034
0.01942	0.232168	3.91E-07	0.170824	0.00021	0.291518	1.34E-10	0.087808	0.05794
0.00586	0.373298	6.88E-17	0.269731	3.15E-09	0.378459	2.37E-17	0.0591	0.20236
0.0129	0.397122	4.31E-19	0.20962	4.91E-06	0.398418	3.23E-19	0.261487	9.71E-09
2.12E-09	0.233901	3.18E-07	0.031597	0.49577	0.063129	0.17322	0.217694	2.05E-06
0.00088	0.429757	2.06E-22	0.266712	4.78E-09	0.415442	6.53E-21	0.235666	2.58E-07
0.0005	0.455147	2.93E-25	0.259375	1.29E-08	0.316481	2.53E-12	0.310898	6.35E-12
0.00068	0.385114	5.85E-18	0.169027	0.00024	0.294287	8.77E-11	0.306027	1.40E-11
1.40E-06	0.348046	9.59E-15	0.275827	1.34E-09	0.313913	3.87E-12	0.229359	5.44E-07

5.20E-15	0.211251	4.12E-06	0.141568	0.00217	0.142033	0.00209	0.257761	1.59E-08
0.04566	0.209414	5.02E-06	0.182241	7.47E-05	0.22224	1.23E-06	0.231664	4.15E-07
7.55E-05	0.445516	3.76E-24	0.275598	1.38E-09	0.277582	1.04E-09	0.340709	3.71E-14
4.92E-15	0.574262	2.53E-42	0.383287	8.62E-18	0.447341	2.33E-24	0.366085	2.95E-16
0.03182	0.391997	1.33E-18	0.341219	3.38E-14	0.4607	6.49E-26	0.2703	2.91E-09
0.10737	0.471613	3.09E-27	0.255908	2.03E-08	0.44351	6.33E-24	0.237212	2.14E-07
0.0179	0.349391	7.45E-15	0.15532	0.00076	0.330675	2.23E-13	0.235889	2.51E-07
1.09E-06	0.404896	7.52E-20	0.293157	1.04E-10	0.383108	8.96E-18	0.294801	8.11E-11
3.83E-08	0.522376	4.69E-34	0.313913	3.87E-12	0.422509	1.21E-21	0.378249	2.48E-17
7.34E-06	0.4118	1.53E-20	0.285648	3.22E-10	0.337349	6.82E-14	0.254417	2.47E-08
8.01E-16	0.489048	1.89E-29	0.317682	2.07E-12	0.331389	1.97E-13	0.415131	7.03E-21
2.63E-05	0.334775	1.08E-13	0.197639	1.69E-05	0.308158	9.90E-12	0.251046	3.82E-08
0.00104	0.369765	1.41E-16	0.223043	1.12E-06	0.350872	5.64E-15	0.248693	5.16E-08
0.09023	0.21585	2.51E-06	0.109107	0.01835	0.237785	2.00E-07	0.134367	0.00362
0.02369	0.294482	8.51E-11	0.194099	2.41E-05	0.317184	2.25E-12	0.190058	3.57E-05
0.00015	0.401141	1.76E-19	0.285465	3.31E-10	0.421483	1.55E-21	0.271981	2.30E-09
1.52E-06	0.313993	3.82E-12	0.262754	8.19E-09	0.349321	7.55E-15	0.244541	8.70E-08
1.33E-05	0.395483	6.19E-19	0.227602	6.67E-07	0.354001	3.11E-15	0.331298	2.00E-13
0.70672	0.197847	1.66E-05	0.099696	0.03124	0.247457	6.04E-08	0.076959	0.09669
3.88E-07	0.442062	9.20E-24	0.264036	6.89E-09	0.412115	1.42E-20	0.307073	1.18E-11
0.9831	0.142773	0.00198	0.095858	0.03839	0.296704	6.05E-11	0.171038	0.0002
3.85E-11	0.65908	1.62E-59	0.461005	5.97E-26	0.568268	2.72E-41	0.393877	8.82E-19
8.46E-07	0.473486	1.81E-27	0.199348	1.42E-05	0.26066	1.08E-08	0.205374	7.67E-06
1.13E-15	0.376317	3.70E-17	0.136421	0.00314	0.091741	0.04754	0.11428	0.01347
3.51E-08	0.405118	7.15E-20	0.245488	7.73E-08	0.342032	2.91E-14	0.255964	2.02E-08
0.75151	0.365846	3.09E-16	0.247689	5.86E-08	0.335708	9.15E-14	0.1127	0.01482
8.00E-11	0.584304	4.24E-44	0.416034	5.68E-21	0.527505	8.25E-35	0.408937	2.98E-20
5.20E-10	0.519373	1.28E-33	0.396117	5.38E-19	0.479558	3.14E-28	0.395703	5.90E-19
2.63E-11	0.519837	1.10E-33	0.394156	8.29E-19	0.482701	1.25E-28	0.374204	5.71E-17
0.27976	0.188911	3.98E-05	0.033887	0.46505	0.213964	3.08E-06	0.137577	0.00289
1.01E-05	0.44442	5.00E-24	0.325537	5.45E-13	0.384856	6.18E-18	0.356167	2.05E-15
0.03272	0.361834	6.83E-16	0.27331	1.91E-09	0.34739	1.08E-14	0.274126	1.70E-09
4.80E-06	0.202211	1.06E-05	0.075439	0.10348	0.133142	0.00395	0.12414	0.00723
1.42E-05	0.689835	3.14E-67	0.367156	2.38E-16	0.512911	1.07E-32	0.297981	4.96E-11
2.06E-07	0.575888	1.32E-42	0.378619	2.30E-17	0.499492	7.71E-31	0.448023	1.95E-24
0.22105	0.28348	4.43E-10	0.233747	3.24E-07	0.339465	4.65E-14	0.168204	0.00026
3.07E-07	0.370477	1.22E-16	0.227761	6.55E-07	0.328073	3.52E-13	0.268744	3.61E-09
0.20323	0.168878	0.00025	0.159596	0.00054	0.238593	1.81E-07	0.102476	0.0268
0.0023	0.272832	2.04E-09	0.084074	0.06949	0.094364	0.04152	0.208846	5.33E-06
0.00071	-0.44289	7.43E-24	-0.24243	1.13E-07	-0.34925	7.64E-15	-0.26094	1.04E-08
3.58E-13	0.506545	8.35E-32	0.374833	5.02E-17	0.451413	7.96E-25	0.39599	5.54E-19
1.97E-12	0.570868	9.76E-42	0.353792	3.24E-15	0.387051	3.87E-18	0.368455	1.83E-16
0.18668	0.324811	6.18E-13	0.227058	7.10E-07	0.306536	1.29E-11	0.125592	0.00658
2.58E-06	0.549437	3.46E-38	0.282816	4.88E-10	0.363696	4.73E-16	0.206305	6.96E-06
0.92279	0.301517	2.86E-11	0.188264	4.24E-05	0.338504	5.54E-14	0.157186	0.00065

0.01101	0.326437	4.67E-13	0.200867	1.22E-05	0.308228	9.79E-12	0.204658	8.27E-06
1.92E-07	0.26804	3.98E-09	0.04835	0.29711	0.236169	2.43E-07	-0.05616	0.22576
0.02229	0.283123	4.67E-10	0.167611	0.00027	0.335297	9.85E-14	0.187316	4.64E-05
8.27E-05	0.381647	1.22E-17	0.36386	4.58E-16	0.382332	1.05E-17	0.393268	1.01E-18
2.13E-05	0.351079	5.42E-15	0.277691	1.03E-09	0.347967	9.73E-15	0.289329	1.86E-10
0.00195	0.435762	4.59E-23	0.290351	1.59E-10	0.453101	5.08E-25	0.32278	8.75E-13
0.00746	0.498144	1.17E-30	0.355739	2.23E-15	0.398204	3.39E-19	0.314949	3.26E-12
0.02773	-0.26955	3.23E-09	-0.22266	1.17E-06	-0.29647	6.27E-11	-0.17505	0.00014
0.00759	0.358337	1.35E-15	0.261873	9.22E-09	0.379661	1.85E-17	0.230353	4.84E-07
0.00493	0.343747	2.13E-14	0.227499	6.75E-07	0.289448	1.83E-10	0.147934	0.00135
0.00053	0.381855	1.17E-17	0.21757	2.07E-06	0.365689	3.19E-16	0.295052	7.80E-11
0.00018	0.424085	8.26E-22	0.256687	1.84E-08	0.430681	1.64E-22	0.299024	4.22E-11
2.59E-06	0.461735	4.88E-26	0.332165	1.72E-13	0.382963	9.23E-18	0.361448	7.37E-16
0.005	0.388626	2.76E-18	0.199391	1.42E-05	0.387756	3.33E-18	0.270499	2.83E-09
0.00073	0.311763	5.51E-12	0.221269	1.37E-06	0.309974	7.38E-12	0.286701	2.75E-10
0.00172	0.322084	9.85E-13	0.299163	4.13E-11	0.34204	2.91E-14	0.258939	1.36E-08
3.71E-13	0.472721	2.25E-27	0.263278	7.63E-09	0.365553	3.28E-16	0.29913	4.15E-11
3.14E-11	-0.36776	2.11E-16	-0.06683	0.14934	-0.12903	0.00523	-0.32029	1.33E-12
3.27E-05	0.374236	5.68E-17	0.201392	1.16E-05	0.356424	1.96E-15	0.272799	2.05E-09
6.31E-06	0.436884	3.45E-23	0.276306	1.25E-09	0.391909	1.36E-18	0.294895	7.99E-11
0.02564	0.263327	7.58E-09	0.055614	0.23032	0.200779	1.23E-05	0.142233	0.00206
0.00037	0.375735	4.17E-17	0.151039	0.00106	0.290498	1.56E-10	0.252049	3.36E-08
0.94984	0.318351	1.85E-12	0.301072	3.06E-11	0.355016	2.56E-15	0.169663	0.00023
0.00024	0.397144	4.29E-19	0.252373	3.22E-08	0.382415	1.04E-17	0.273846	1.77E-09
0.06113	0.271103	2.60E-09	0.095932	0.03824	0.293885	9.33E-11	0.216656	2.29E-06
0.98962	0.318445	1.82E-12	0.098085	0.03408	0.166012	0.00031	0.068381	0.14008
2.53E-07	0.464435	2.32E-26	0.195445	2.11E-05	0.245896	7.35E-08	0.38855	2.80E-18
0.07253	0.286888	2.68E-10	0.161435	0.00046	0.286387	2.89E-10	0.245469	7.75E-08
4.00E-07	0.399073	2.79E-19	0.232726	3.66E-07	0.370183	1.29E-16	0.431943	1.20E-22
0.00969	0.474075	1.53E-27	0.209642	4.90E-06	0.319387	1.55E-12	0.175757	0.00013
0.00037	0.397021	4.41E-19	0.205477	7.59E-06	0.401088	1.78E-19	0.281632	5.80E-10
4.64E-06	0.362732	5.73E-16	0.292268	1.19E-10	0.306233	1.35E-11	0.308763	8.98E-12
0.59273	0.288697	2.04E-10	0.135456	0.00336	0.252931	3.00E-08	0.153385	0.00088
0.02658	0.211776	3.90E-06	0.144426	0.00175	0.306267	1.34E-11	0.198819	1.50E-05
6.88E-07	0.431057	1.49E-22	0.387808	3.29E-18	0.471266	3.41E-27	0.336021	8.65E-14
0.00034	0.405673	6.30E-20	0.232849	3.61E-07	0.415412	6.58E-21	0.282346	5.23E-10
0.4156	0.248496	5.29E-08	0.042461	0.3599	0.240327	1.47E-07	0.085049	0.06631
0.02718	0.296153	6.59E-11	0.124	0.0073	0.327714	3.74E-13	0.233709	3.26E-07
4.39E-07	0.584991	3.19E-44	0.310147	7.18E-12	0.331502	1.93E-13	0.161746	0.00045
2.75E-08	0.53704	3.01E-36	0.361432	7.39E-16	0.375384	4.48E-17	0.336576	7.83E-14
5.98E-07	0.422357	1.25E-21	0.33215	1.72E-13	0.390796	1.73E-18	0.295173	7.66E-11
7.24E-05	0.409965	2.35E-20	0.280813	6.54E-10	0.391122	1.61E-18	0.273091	1.97E-09
0.00704	0.419919	2.25E-21	0.2111	4.19E-06	0.400183	2.18E-19	0.240401	1.45E-07
2.15E-07	0.371563	9.79E-17	0.282059	5.45E-10	0.427267	3.80E-22	0.290835	1.48E-10
7.29E-07	0.45072	9.57E-25	0.263941	6.97E-09	0.362035	6.57E-16	0.278871	8.66E-10

0.00028	0.39173	1.41E-18	0.218895	1.79E-06	0.413165	1.11E-20	0.290617	1.53E-10
0.00312	0.339479	4.64E-14	0.128013	0.0056	0.338604	5.44E-14	0.297772	5.13E-11
0.00813	0.202036	1.08E-05	0.102226	0.02718	0.227304	6.90E-07	0.196768	1.85E-05
0.00614	-0.14775	0.00137	-0.07898	0.08821	-0.17904	0.0001	-0.17683	0.00012
0.18487	0.159909	0.00052	0.001821	0.9687	0.171915	0.00019	0.071142	0.12473
0.02043	0.37562	4.27E-17	0.248492	5.29E-08	0.417255	4.25E-21	0.248934	5.00E-08
2.42E-06	0.647954	6.02E-57	0.427825	3.31E-22	0.50624	9.20E-32	0.408657	3.18E-20
4.33E-07	0.45389	4.11E-25	0.296256	6.48E-11	0.427935	3.22E-22	0.315554	2.95E-12
2.00E-07	0.34461	1.81E-14	0.262979	7.94E-09	0.283961	4.13E-10	0.249202	4.84E-08
0.00017	0.465739	1.61E-26	0.343566	2.20E-14	0.440978	1.22E-23	0.252774	3.06E-08
6.58E-08	0.405125	7.14E-20	0.277739	1.02E-09	0.302721	2.36E-11	0.265672	5.51E-09
2.19E-07	0.384024	7.38E-18	0.221573	1.33E-06	0.364111	4.36E-16	0.325279	5.70E-13
0.00136	0.472048	2.73E-27	0.321407	1.11E-12	0.492756	6.14E-30	0.309603	7.84E-12
0.00589	0.36674	2.59E-16	0.28001	7.35E-10	0.384575	6.56E-18	0.294251	8.82E-11
4.06E-08	0.477301	6.04E-28	0.343798	2.11E-14	0.432423	1.06E-22	0.31203	5.28E-12
8.65E-21	0.642223	1.15E-55	0.358914	1.21E-15	0.368364	1.87E-16	0.406394	5.34E-20
0.01316	0.319819	1.45E-12	0.23465	2.91E-07	0.320823	1.22E-12	0.194437	2.33E-05
0.53613	0.354334	2.92E-15	0.109262	0.01818	0.270304	2.91E-09	0.162526	0.00042
0.01478	-0.1735	0.00016	0.00244	0.95807	-0.11618	0.01199	-0.10295	0.02609
4.27E-06	0.230963	4.51E-07	0.1328	0.00404	0.234704	2.89E-07	0.204851	8.10E-06
1.42E-15	0.445528	3.75E-24	0.335166	1.01E-13	0.41138	1.69E-20	0.46217	4.33E-26
3.08E-09	0.4795	3.19E-28	0.346667	1.24E-14	0.445213	4.07E-24	0.380828	1.45E-17
0.0005	0.321171	1.15E-12	0.151891	0.00099	0.323536	7.69E-13	0.271676	2.40E-09
6.83E-14	-0.2681	3.95E-09	-0.17213	0.00019	-0.18193	7.68E-05	-0.39359	9.39E-19
0.13206	0.20639	6.90E-06	0.026262	0.57132	0.239087	1.71E-07	0.22535	8.64E-07
0.00566	0.532967	1.26E-35	0.277356	1.08E-09	0.387161	3.78E-18	0.172744	0.00018
0.00031	0.318849	1.70E-12	0.237047	2.18E-07	0.257894	1.57E-08	0.223642	1.05E-06
0.06373	0.232505	3.76E-07	0.184713	5.93E-05	0.326149	4.91E-13	0.225079	8.92E-07
0.25206	0.230006	5.04E-07	0.232046	3.97E-07	0.258085	1.53E-08	0.146147	0.00154
2.68E-08	0.55932	8.60E-40	0.292044	1.23E-10	0.337231	6.96E-14	0.217319	2.13E-06
0.04356	0.229777	5.18E-07	0.12017	0.00934	0.203499	9.32E-06	0.165267	0.00034
0.15571	0.281971	5.52E-10	0.158446	0.00059	0.335622	9.29E-14	0.144671	0.00172
0.19256	0.309844	7.54E-12	0.154035	0.00084	0.308988	8.66E-12	0.188433	4.17E-05
0.00323	0.359216	1.14E-15	0.221175	1.39E-06	0.239267	1.67E-07	0.168088	0.00026
0.0025	0.342636	2.61E-14	0.217689	2.05E-06	0.33174	1.85E-13	0.274151	1.70E-09
0.02088	0.247195	6.24E-08	0.139105	0.00259	0.245068	8.15E-08	0.202517	1.03E-05
0.03351	0.068144	0.14146	0.041508	0.3708	0.120885	0.00892	-0.03144	0.49789
0.27789	0.098245	0.03379	0.053893	0.24509	0.10215	0.02729	0.126449	0.00621
0.26856	0.207977	5.84E-06	0.108435	0.01908	0.225716	8.29E-07	0.11181	0.01563
2.98E-06	0.40443	8.36E-20	0.324124	6.95E-13	0.389666	2.20E-18	0.310767	6.49E-12
0.00435	-0.40464	7.97E-20	-0.16409	0.00037	-0.32059	1.27E-12	-0.17122	0.0002
0.00856	0.34301	2.44E-14	0.128419	0.00545	0.307593	1.09E-11	0.295273	7.54E-11
0.28174	0.332867	1.52E-13	0.270037	3.02E-09	0.42443	7.59E-22	0.180672	8.63E-05
0.08845	-0.25463	2.40E-08	-0.05416	0.24276	-0.1612	0.00047	-0.03581	0.44012
0.08871	0.154175	0.00083	0.080767	0.08124	0.173724	0.00016	0.112225	0.01525

0.31054	-0.34414	1.98E-14	-0.12645	0.00621	-0.2492	4.84E-08	-0.15406	0.00084
0.00611	0.36637	2.78E-16	0.129869	0.00494	0.36515	3.55E-16	0.24387	9.46E-08
0.07474	0.17238	0.00018	0.104718	0.02363	0.201761	1.11E-05	0.170465	0.00021
0.01413	0.318795	1.72E-12	0.295873	6.87E-11	0.365384	3.39E-16	0.208979	5.25E-06
0.06185	0.15623	0.0007	0.147105	0.00143	0.185066	5.74E-05	0.207304	6.27E-06
0.20206	0.314818	3.33E-12	0.168086	0.00026	0.384166	7.16E-18	0.193414	2.57E-05
2.21E-10	0.439645	1.71E-23	0.379866	1.77E-17	0.415232	6.86E-21	0.441049	1.19E-23
6.74E-05	0.386235	4.61E-18	0.22143	1.35E-06	0.356715	1.85E-15	0.2573	1.69E-08
9.50E-08	0.479684	3.02E-28	0.352736	3.96E-15	0.476897	6.79E-28	0.375061	4.79E-17
1.45E-05	0.398015	3.54E-19	0.227284	6.92E-07	0.405124	7.14E-20	0.291597	1.32E-10
0.68166	0.200449	1.27E-05	0.118737	0.01022	0.163113	0.0004	0.090768	0.04996
0.00016	0.371449	1.00E-16	0.192323	2.86E-05	0.363427	4.99E-16	0.274593	1.59E-09
0.00031	-0.20121	1.18E-05	-0.09521	0.03971	-0.09111	0.04909	-0.21113	4.18E-06
0.01288	0.206172	7.06E-06	0.02961	0.52327	0.121099	0.0088	-0.00836	0.857
0.02917	0.282327	5.25E-10	0.104451	0.02399	0.326448	4.66E-13	0.224625	9.39E-07
0.82043	0.191979	2.96E-05	0.162068	0.00044	0.248057	5.59E-08	0.104741	0.0236
0.00019	0.303918	1.95E-11	0.13978	0.00247	0.207928	5.87E-06	0.190237	3.51E-05
0.00389	0.281675	5.77E-10	0.16976	0.00023	0.241702	1.24E-07	0.183467	6.66E-05
0.00079	0.338852	5.20E-14	0.2992	4.11E-11	0.383262	8.67E-18	0.244176	9.11E-08
0.12356	0.197788	1.67E-05	0.0342	0.46093	0.210477	4.48E-06	0.121455	0.00861
0.00013	0.464896	2.04E-26	0.299543	3.89E-11	0.296369	6.37E-11	0.303019	2.25E-11
0.49316	0.280943	6.42E-10	0.192757	2.74E-05	0.342195	2.83E-14	0.136098	0.00321
0.18798	0.371712	9.50E-17	0.222893	1.14E-06	0.24401	9.30E-08	0.229413	5.40E-07
3.26E-05	0.367855	2.07E-16	0.237061	2.18E-07	0.360926	8.16E-16	0.243082	1.04E-07
0.01441	0.363605	4.82E-16	0.205211	7.81E-06	0.347888	9.87E-15	0.218668	1.84E-06
0.07642	0.105787	0.02223	0.099558	0.03147	0.124277	0.00717	0.078144	0.09165
0.50707	0.180492	8.77E-05	0.04826	0.298	0.188309	4.22E-05	0.170477	0.00021
0.70459	0.15689	0.00067	0.085646	0.06442	0.199975	1.34E-05	0.088252	0.05668
1.83E-31	0.54613	1.16E-37	0.425199	6.30E-22	0.451052	8.76E-25	0.453583	4.46E-25
0.04691	0.212748	3.51E-06	0.08849	0.05602	0.258276	1.49E-08	0.172127	0.00019
0.13512	0.244438	8.82E-08	0.11763	0.01096	0.197129	1.78E-05	0.129832	0.00495
3.09E-16	0.529727	3.85E-35	0.28491	3.59E-10	0.408126	3.59E-20	0.433522	8.06E-23
2.03E-07	0.364838	3.78E-16	0.267587	4.24E-09	0.375481	4.40E-17	0.328083	3.51E-13
0.0029	0.340789	3.66E-14	0.177792	0.00011	0.291549	1.33E-10	0.229637	5.26E-07
2.47E-08	0.65906	1.63E-59	0.414762	7.67E-21	0.497544	1.41E-30	0.532873	1.30E-35
2.00E-07	0.574814	2.03E-42	0.381018	1.39E-17	0.502261	3.24E-31	0.313099	4.43E-12
0.29405	0.407213	4.43E-20	0.208742	5.39E-06	0.302581	2.41E-11	0.05431	0.24145
6.40E-05	0.331674	1.87E-13	0.195082	2.18E-05	0.399627	2.47E-19	0.370036	1.33E-16
0.43397	0.162679	0.00042	-0.01945	0.67499	0.252582	3.14E-08	0.157644	0.00063
0.27813	0.215638	2.56E-06	0.09619	0.03772	0.219488	1.68E-06	0.16617	0.00031
1.20E-10	0.528815	5.27E-35	0.413445	1.04E-20	0.458074	1.33E-25	0.488515	2.21E-29
0.3203	0.243952	9.37E-08	0.139908	0.00244	0.169378	0.00024	0.184041	6.31E-05
6.80E-09	0.583871	5.07E-44	0.360845	8.29E-16	0.494921	3.16E-30	0.372712	7.75E-17
2.00E-07	0.236219	2.41E-07	0.026588	0.56656	0.170044	0.00022	0.238108	1.92E-07
1.64E-06	-0.24499	8.23E-08	-0.15053	0.0011	-0.18381	6.45E-05	-0.2749	1.53E-09

9.58E-05	0.383675	7.94E-18	0.217889	2.00E-06	0.315415	3.02E-12	0.293398	1.00E-10
0.07314	0.200331	1.29E-05	-0.00199	0.96575	0.25169	3.52E-08	0.209981	4.72E-06
0.00029	0.33876	5.29E-14	0.149038	0.00124	0.255452	2.16E-08	0.201901	1.10E-05
0.01242	0.221869	1.28E-06	0.080216	0.08334	0.289334	1.86E-10	0.22979	5.17E-07
2.24E-12	0.401411	1.65E-19	0.280303	7.04E-10	0.266661	4.81E-09	0.292893	1.09E-10
0.1261	0.385433	5.47E-18	0.195743	2.04E-05	0.304507	1.78E-11	0.115732	0.01232
0.00252	0.447302	2.36E-24	0.322141	9.75E-13	0.421134	1.68E-21	0.406304	5.45E-20
4.46E-20	0.600324	4.61E-47	0.436907	3.43E-23	0.419296	2.62E-21	0.441454	1.08E-23
0.06807	0.372235	8.54E-17	0.22116	1.39E-06	0.437251	3.15E-23	0.231435	4.26E-07
0.07518	0.177916	0.00011	0.057994	0.21095	0.176707	0.00012	0.204935	8.03E-06
0.03478	0.160718	0.00049	0.094613	0.04098	0.140026	0.00242	0.147558	0.00139
0.00762	0.239871	1.55E-07	0.104264	0.02424	0.211241	4.13E-06	0.094111	0.04207
0.19409	0.373241	6.96E-17	0.318478	1.81E-12	0.403961	9.30E-20	0.227369	6.85E-07
7.78E-08	0.443362	6.58E-24	0.304887	1.67E-11	0.406307	5.45E-20	0.350706	5.82E-15
0.00117	0.309869	7.51E-12	0.23635	2.38E-07	0.29899	4.24E-11	0.2611	1.02E-08
3.66E-06	0.410546	2.05E-20	0.296775	5.98E-11	0.357535	1.58E-15	0.309521	7.94E-12
8.09E-15	-0.23983	1.56E-07	-0.18482	5.87E-05	-0.18198	7.65E-05	-0.30316	2.20E-11
0.14618	0.448461	1.74E-24	0.323608	7.59E-13	0.445192	4.09E-24	0.221575	1.33E-06
0.41763	0.396166	5.33E-19	0.277332	1.08E-09	0.376098	3.87E-17	0.2494	4.72E-08
0.00022	0.350088	6.53E-15	0.198129	1.61E-05	0.380067	1.70E-17	0.284256	3.95E-10
2.03E-08	0.399295	2.66E-19	0.214052	3.05E-06	0.282629	5.02E-10	0.313645	4.05E-12
0.00014	0.28707	2.61E-10	0.157695	0.00063	0.257978	1.55E-08	0.240526	1.43E-07
0.05982	0.316025	2.73E-12	0.162655	0.00042	0.308721	9.04E-12	0.29263	1.13E-10
0.00301	0.369378	1.52E-16	0.153369	0.00088	0.231571	4.20E-07	0.200758	1.23E-05
0.90904	0.280844	6.51E-10	0.241837	1.22E-07	0.408795	3.08E-20	0.183615	6.57E-05
0.30616	0.273888	1.76E-09	0.166871	0.00029	0.33103	2.10E-13	0.168478	0.00025
0.99954	0.155997	0.00072	0.101159	0.02883	0.208025	5.81E-06	0.062684	0.17627
0.00058	0.337752	6.34E-14	0.167015	0.00029	0.293561	9.80E-11	0.239715	1.58E-07
0.26578	0.171728	0.00019	0.098627	0.0331	0.237205	2.14E-07	0.054425	0.24046
0.10843	0.236854	2.24E-07	0.232949	3.57E-07	0.290755	1.50E-10	0.176015	0.00013
0.00069	0.361465	7.34E-16	0.200501	1.27E-05	0.336154	8.45E-14	0.233482	3.35E-07
0.2394	0.261457	9.75E-09	0.13546	0.00336	0.205305	7.73E-06	0.153368	0.00088
0.01236	0.209742	4.85E-06	0.162409	0.00043	0.183821	6.45E-05	0.110742	0.01666
0.00135	0.345912	1.43E-14	0.209161	5.15E-06	0.322529	9.13E-13	0.216839	2.25E-06
1.83E-09	0.500304	5.98E-31	0.342456	2.70E-14	0.389181	2.45E-18	0.372856	7.53E-17
1.55E-05	0.390396	1.88E-18	0.230608	4.70E-07	0.377506	2.89E-17	0.291403	1.36E-10
7.85E-07	0.487449	3.05E-29	0.319935	1.42E-12	0.460224	7.39E-26	0.331924	1.79E-13
0.02853	0.249162	4.86E-08	0.144913	0.00169	0.284546	3.79E-10	0.176051	0.00013
0.24273	0.167504	0.00028	0.060487	0.19195	0.259995	1.19E-08	0.168004	0.00027
0.24072	0.376473	3.58E-17	0.259107	1.33E-08	0.408843	3.04E-20	0.239517	1.62E-07
0.63188	0.191532	3.09E-05	-0.01533	0.74107	0.278824	8.72E-10	0.169846	0.00023
0.22288	0.317828	2.02E-12	0.207351	6.24E-06	0.390031	2.04E-18	0.205872	7.29E-06
8.79E-13	0.358472	1.32E-15	0.23035	4.84E-07	0.270254	2.93E-09	0.383149	8.88E-18
0.00547	0.390647	1.78E-18	0.280239	7.11E-10	0.442007	9.33E-24	0.254848	2.34E-08
1.20E-05	0.443244	6.78E-24	0.267139	4.51E-09	0.444931	4.38E-24	0.339121	4.95E-14

1.69E-10	0.319978	1.41E-12	0.190735	3.34E-05	0.328297	3.38E-13	0.293968	9.21E-11
2.30E-12	-0.19877	1.51E-05	-0.18736	4.62E-05	-0.14447	0.00175	-0.2041	8.76E-06
0.68457	0.212869	3.47E-06	0.0467	0.31391	0.231738	4.11E-07	0.159055	0.00056
0.18361	0.210803	4.33E-06	0.09818	0.03391	0.145212	0.00165	0.074057	0.10998
0.17119	0.179312	9.77E-05	0.050482	0.27629	0.231972	4.00E-07	0.100812	0.02938
0.0336	0.313098	4.43E-12	0.142721	0.00199	0.317154	2.26E-12	0.201516	1.14E-05
8.47E-07	0.385253	5.68E-18	0.288167	2.21E-10	0.334036	1.23E-13	0.334116	1.22E-13
0.00089	0.343503	2.23E-14	0.204753	8.19E-06	0.308574	9.26E-12	0.201237	1.18E-05
8.36E-09	0.470124	4.71E-27	0.333457	1.37E-13	0.439412	1.82E-23	0.34449	1.86E-14
0.00011	-0.55483	4.68E-39	-0.30908	8.53E-12	-0.46688	1.17E-26	-0.27683	1.16E-09
1.95E-06	0.454587	3.41E-25	0.302424	2.47E-11	0.418129	3.46E-21	0.323893	7.23E-13
1.22E-05	0.275752	1.35E-09	0.1663	0.00031	0.227224	6.97E-07	0.213156	3.36E-06
0.44057	0.268475	3.75E-09	0.124489	0.00707	0.371418	1.01E-16	0.202307	1.05E-05
0.56042	0.245093	8.12E-08	0.172246	0.00018	0.222322	1.22E-06	0.107117	0.0206
3.15E-07	0.321456	1.10E-12	0.147403	0.0014	0.245598	7.63E-08	0.180514	8.75E-05
2.14E-05	0.355343	2.41E-15	0.261428	9.79E-09	0.343981	2.04E-14	0.224451	9.58E-07
3.18E-06	0.369199	1.58E-16	0.293646	9.67E-11	0.371226	1.05E-16	0.218922	1.79E-06
1.95E-05	0.39895	2.87E-19	0.232085	3.95E-07	0.411241	1.75E-20	0.314054	3.78E-12
0.00805	0.3432	2.35E-14	0.176236	0.00013	0.396688	4.75E-19	0.054401	0.24067
1.87E-06	0.358461	1.32E-15	0.209286	5.09E-06	0.346247	1.34E-14	0.247422	6.06E-08
2.17E-07	0.327442	3.92E-13	0.285018	3.53E-10	0.244779	8.45E-08	0.277165	1.11E-09
0.1191	0.287748	2.36E-10	0.195269	2.14E-05	0.280474	6.87E-10	0.162824	0.00041
0.56479	0.240707	1.40E-07	0.183998	6.34E-05	0.266357	5.02E-09	0.131329	0.00447
0.19583	0.19953	1.40E-05	0.175739	0.00013	0.362995	5.44E-16	0.213272	3.32E-06
3.69E-06	0.198723	1.52E-05	0.179973	9.20E-05	0.176208	0.00013	0.18525	5.64E-05
9.44E-08	0.479629	3.07E-28	0.290458	1.57E-10	0.329386	2.80E-13	0.360892	8.22E-16
6.05E-05	-0.04645	0.31654	0.121961	0.00833	0.09839	0.03353	-0.06109	0.18756
3.82E-06	0.294123	8.99E-11	0.185552	5.48E-05	0.382538	1.01E-17	0.225011	8.99E-07
0.78428	0.238362	1.86E-07	0.150899	0.00107	0.249278	4.79E-08	0.111674	0.01576
0.03296	0.329843	2.58E-13	0.214952	2.76E-06	0.297915	5.01E-11	0.202671	1.02E-05
0.0432	0.330625	2.25E-13	0.255419	2.17E-08	0.304622	1.75E-11	0.181903	7.70E-05
3.59E-12	-0.16597	0.00032	-0.07888	0.08862	-0.07154	0.12263	-0.18774	4.45E-05
0.64327	0.283734	4.27E-10	0.141915	0.00211	0.337812	6.27E-14	0.180775	8.55E-05
0.48945	0.228227	6.20E-07	0.141306	0.00221	0.275406	1.42E-09	0.203765	9.07E-06
4.32E-05	0.404284	8.64E-20	0.240558	1.42E-07	0.3532	3.63E-15	0.282344	5.23E-10
0.03217	0.179812	9.33E-05	0.164716	0.00035	0.192363	2.85E-05	0.115632	0.0124
0.00074	0.274486	1.62E-09	0.199824	1.36E-05	0.249983	4.38E-08	0.216787	2.26E-06
0.0208	0.207748	5.98E-06	0.187654	4.49E-05	0.209706	4.86E-06	0.261732	9.40E-09
5.37E-06	0.37946	1.93E-17	0.303428	2.11E-11	0.405027	7.30E-20	0.321525	1.08E-12
0.00049	0.359089	1.17E-15	0.206168	7.06E-06	0.362458	6.04E-16	0.263449	7.46E-09
0.00719	0.343736	2.13E-14	0.164676	0.00035	0.358645	1.27E-15	0.199256	1.44E-05
0.45089	0.278877	8.65E-10	0.270856	2.70E-09	0.381344	1.30E-17	0.162114	0.00044
0.04877	0.149371	0.00121	0.01797	0.69851	0.266786	4.73E-09	0.073086	0.11473
0.00249	0.294432	8.58E-11	0.219893	1.60E-06	0.271195	2.57E-09	0.18672	4.91E-05
0.14846	0.253989	2.61E-08	0.116497	0.01176	0.274707	1.57E-09	0.170457	0.00021

0.00572	0.382444	1.03E-17	0.224074	1.00E-06	0.41755	3.97E-21	0.239995	1.53E-07
0.01066	0.286016	3.05E-10	0.190629	3.37E-05	0.242282	1.15E-07	0.181798	7.78E-05
2.59E-06	0.419476	2.51E-21	0.262411	8.58E-09	0.384409	6.80E-18	0.29014	1.65E-10
0.00471	0.338213	5.83E-14	0.210456	4.49E-06	0.330545	2.28E-13	0.222239	1.23E-06
0.00043	0.248199	5.49E-08	0.214677	2.85E-06	0.3824	1.04E-17	0.279565	7.83E-10
0.00196	0.135173	0.00343	0.00709	0.87855	0.133643	0.00381	0.160378	0.0005
2.54E-05	0.411074	1.82E-20	0.242931	1.06E-07	0.373857	6.13E-17	0.263846	7.07E-09
4.44E-09	0.431391	1.37E-22	0.249069	4.92E-08	0.429109	2.41E-22	0.391858	1.37E-18
0.11608	0.231765	4.10E-07	0.140824	0.00229	0.196797	1.84E-05	0.189536	3.75E-05
3.32E-16	-0.23346	3.35E-07	0.038818	0.40263	0.014663	0.75197	-0.18236	7.39E-05
0.89886	0.186437	5.04E-05	0.116525	0.01174	0.313588	4.08E-12	0.081562	0.07827
2.93E-09	0.448877	1.56E-24	0.321769	1.04E-12	0.425991	5.19E-22	0.311565	5.69E-12
1.06E-10	0.36384	4.60E-16	0.340357	3.96E-14	0.295946	6.80E-11	0.370534	1.21E-16
0.12304	0.233127	3.49E-07	0.228495	6.01E-07	0.303835	1.98E-11	0.13436	0.00363
0.07551	0.242258	1.16E-07	0.058329	0.20832	0.218962	1.78E-06	0.156835	0.00067
0.54991	0.27107	2.62E-09	0.216938	2.22E-06	0.338747	5.30E-14	0.143554	0.00187
0.08294	0.346779	1.21E-14	0.20906	5.21E-06	0.349437	7.39E-15	0.255434	2.16E-08
0.92902	0.380829	1.45E-17	0.237199	2.14E-07	0.364895	3.73E-16	0.188294	4.22E-05
0.00581	0.365507	3.31E-16	0.26773	4.16E-09	0.433929	7.28E-23	0.201325	1.17E-05
0.29734	0.35415	3.02E-15	0.289959	1.69E-10	0.39524	6.53E-19	0.219003	1.77E-06
3.26E-05	0.417963	3.59E-21	0.261581	9.59E-09	0.404434	8.35E-20	0.293838	9.39E-11
0.69808	-0.22749	6.76E-07	-0.01007	0.82824	-0.14078	0.00229	-0.12112	0.00879
0.00011	0.348375	9.01E-15	0.270922	2.67E-09	0.38339	8.44E-18	0.270105	2.99E-09
0.18321	0.344403	1.89E-14	0.222361	1.21E-06	0.420305	2.06E-21	0.228065	6.32E-07
2.52E-11	0.395721	5.88E-19	0.240777	1.39E-07	0.359537	1.07E-15	0.300307	3.45E-11
9.64E-08	0.299145	4.14E-11	0.136865	0.00304	0.156026	0.00072	-0.08508	0.0662
0.76446	0.164968	0.00034	0.163364	0.00039	0.188581	4.11E-05	0.121848	0.00839
0.84137	0.275279	1.45E-09	0.092433	0.04589	0.188546	4.12E-05	0.075895	0.10141
0.05981	0.439314	1.86E-23	0.258768	1.40E-08	0.451509	7.76E-25	0.270774	2.73E-09
0.00631	0.361577	7.18E-16	0.194429	2.33E-05	0.363928	4.52E-16	0.267019	4.58E-09
0.00225	0.337655	6.45E-14	0.160385	0.0005	0.393165	1.03E-18	0.283468	4.44E-10
0.0261	0.321549	1.08E-12	0.254935	2.31E-08	0.350474	6.08E-15	0.360829	8.32E-16
0.03534	0.300814	3.19E-11	0.170728	0.00021	0.221428	1.35E-06	0.098253	0.03378
0.26587	0.298612	4.50E-11	0.239669	1.59E-07	0.388088	3.10E-18	0.158142	0.0006
3.07E-08	0.487998	2.58E-29	0.377474	2.91E-17	0.400327	2.11E-19	0.502817	2.72E-31
5.90E-05	0.47826	4.57E-28	0.370799	1.14E-16	0.500266	6.05E-31	0.317008	2.32E-12
0.00658	0.200196	1.31E-05	0.043249	0.35106	0.269395	3.30E-09	0.198116	1.61E-05
3.96E-05	0.440883	1.25E-23	0.248757	5.12E-08	0.267152	4.50E-09	0.25318	2.90E-08
0.02339	0.274346	1.65E-09	0.128916	0.00527	0.349463	7.35E-15	0.301202	3.00E-11
0.11544	0.231991	3.99E-07	-0.01964	0.67202	0.210985	4.24E-06	0.120952	0.00889
0.00122	0.443638	6.12E-24	0.208462	5.55E-06	0.31733	2.20E-12	0.198585	1.54E-05
3.46E-13	0.553859	6.73E-39	0.396241	5.24E-19	0.363817	4.62E-16	0.381671	1.21E-17
0.06129	0.471936	2.82E-27	0.199908	1.35E-05	0.318168	1.91E-12	0.195433	2.11E-05
0.00664	0.417284	4.22E-21	0.344356	1.90E-14	0.41402	9.12E-21	0.271618	2.42E-09
4.48E-05	0.208658	5.44E-06	0.209339	5.06E-06	0.338263	5.78E-14	0.130649	0.00469



0.00455	0.383703	7.90E-18	0.307081	1.18E-11	0.443539	6.28E-24	0.199197	1.45E-05
0.02384	0.47028	4.50E-27	0.269954	3.06E-09	0.33707	7.17E-14	0.159207	0.00055
0.02835	0.255125	2.25E-08	0.278617	8.98E-10	0.317623	2.09E-12	0.188543	4.13E-05
0.00012	0.393361	9.87E-19	0.24254	1.12E-07	0.41792	3.63E-21	0.300318	3.45E-11
0.86924	0.234364	3.01E-07	0.193186	2.63E-05	0.379571	1.88E-17	0.163453	0.00039
0.00085	0.523765	2.94E-34	0.143528	0.00187	0.25691	1.78E-08	0.152495	0.00095
0.57135	0.234993	2.80E-07	0.046113	0.32004	0.121943	0.00834	0.095222	0.03969
1.82E-09	-0.10911	0.01834	-0.11132	0.0161	-0.14603	0.00155	-0.17676	0.00012
0.83662	0.246608	6.72E-08	0.206099	7.12E-06	0.352205	4.38E-15	0.173658	0.00016
0.00035	0.382805	9.55E-18	0.248272	5.44E-08	0.387303	3.67E-18	0.278326	9.36E-10
2.68E-06	0.091291	0.04865	0.001703	0.97072	0.130509	0.00473	0.276815	1.16E-09
0.57835	0.314022	3.80E-12	0.25878	1.39E-08	0.404919	7.48E-20	0.172913	0.00017
0.00035	0.363765	4.67E-16	0.324547	6.47E-13	0.422415	1.24E-21	0.276643	1.19E-09
3.20E-23	0.730734	4.07E-79	0.506596	8.21E-32	0.576611	9.85E-43	0.553675	7.21E-39
0.7577	0.258347	1.48E-08	0.158533	0.00058	0.297448	5.39E-11	0.169392	0.00024
2.56E-05	0.512229	1.34E-32	0.255429	2.17E-08	0.41178	1.54E-20	0.31061	6.66E-12
0.00014	0.123062	0.00776	0.079783	0.08502	0.120291	0.00927	0.312031	5.28E-12
0.26062	0.242746	1.09E-07	0.112413	0.01508	0.290449	1.57E-10	0.189058	3.93E-05
2.05E-05	0.602645	1.66E-47	0.325639	5.36E-13	0.45348	4.59E-25	0.358047	1.43E-15
0.01303	0.262942	7.98E-09	0.15359	0.00087	0.252759	3.06E-08	0.202647	1.02E-05
0.01866	0.231176	4.40E-07	0.238335	1.87E-07	0.327125	4.15E-13	0.170343	0.00022
0.89975	0.166712	0.0003	0.023442	0.61335	0.268767	3.60E-09	0.174655	0.00015
1.05E-18	0.26593	5.32E-09	0.11902	0.01004	0.203898	8.95E-06	0.298443	4.62E-11
4.13E-05	0.374304	5.60E-17	0.287631	2.40E-10	0.327322	4.01E-13	0.295406	7.39E-11
1.24E-09	-0.30045	3.38E-11	-0.23079	4.60E-07	-0.27886	8.67E-10	-0.2022	1.07E-05
0.04463	0.228467	6.03E-07	0.167733	0.00027	0.380135	1.67E-17	0.122112	0.00825
0.00084	0.49033	1.28E-29	0.291685	1.30E-10	0.411958	1.48E-20	0.240201	1.49E-07
2.61E-10	-0.22516	8.83E-07	-0.08989	0.05222	-0.15076	0.00108	-0.13204	0.00426
0.96142	-0.46631	1.38E-26	-0.3088	8.93E-12	-0.49603	2.25E-30	-0.23646	2.34E-07
0.00223	0.362774	5.68E-16	0.20599	7.20E-06	0.416365	5.25E-21	0.251334	3.68E-08
0.81605	0.142025	0.00209	0.070355	0.12897	0.194433	2.33E-05	0.139429	0.00253
0.27029	-0.21197	3.82E-06	-0.03521	0.44782	-0.02729	0.55631	-0.15882	0.00057
0.02075	0.202923	9.89E-06	0.149307	0.00121	0.197446	1.73E-05	0.176026	0.00013
0.05062	0.345202	1.63E-14	0.275596	1.38E-09	0.355629	2.28E-15	0.179386	9.71E-05
3.88E-06	0.347572	1.05E-14	0.208658	5.44E-06	0.26329	7.62E-09	0.122826	0.00788
0.00238	0.275314	1.44E-09	0.156327	0.0007	0.262247	8.77E-09	0.193772	2.48E-05
0.08992	0.293438	9.99E-11	0.124651	0.007	0.258031	1.54E-08	0.049761	0.28322
1.18E-06	0.506055	9.76E-32	0.390248	1.94E-18	0.494757	3.33E-30	0.414096	8.96E-21
0.72323	0.070483	0.12827	-0.0198	0.6696	0.195727	2.05E-05	0.12971	0.00499
0.38051	0.213888	3.10E-06	0.029161	0.52959	0.166522	0.0003	0.066761	0.14974
0.00126	0.336497	7.94E-14	0.266512	4.91E-09	0.307178	1.16E-11	0.238007	1.94E-07
0.00241	0.344102	1.99E-14	0.18965	3.71E-05	0.288365	2.15E-10	0.228941	5.71E-07
0.22574	0.223649	1.05E-06	0.077654	0.09371	0.285218	3.43E-10	0.153528	0.00087
0.53364	0.230816	4.59E-07	0.088246	0.0567	0.304718	1.72E-11	0.163212	0.0004
0.6049	0.096779	0.03655	0.064258	0.16564	0.188458	4.16E-05	0.04465	0.33566

0.07029	0.27241	2.17E-09	0.097656	0.03488	0.339906	4.29E-14	0.209174	5.15E-06
0.19149	0.267299	4.41E-09	0.068307	0.14051	0.171328	0.0002	0.16813	0.00026
0.23691	0.109343	0.01809	0.021417	0.64435	0.159219	0.00055	0.092279	0.04625
0.00049	0.44838	1.77E-24	0.097421	0.03532	0.254563	2.43E-08	0.283695	4.29E-10
0.00022	0.307754	1.06E-11	0.208232	5.69E-06	0.282162	5.37E-10	0.219347	1.70E-06
2.65E-19	0.467207	1.07E-26	0.312436	4.94E-12	0.413322	1.07E-20	0.452023	6.77E-25
3.64E-06	0.322392	9.35E-13	0.314541	3.49E-12	0.427579	3.52E-22	0.340594	3.79E-14
0.00074	0.3757	4.20E-17	0.215964	2.47E-06	0.319918	1.42E-12	0.267366	4.37E-09
0.64937	-0.12637	0.00625	-0.05843	0.20755	-0.16738	0.00028	-0.07062	0.12755
7.12E-10	0.435769	4.58E-23	0.329497	2.74E-13	0.386684	4.19E-18	0.368965	1.66E-16
0.47503	0.373701	6.33E-17	0.277733	1.02E-09	0.425656	5.63E-22	0.124901	0.00688
0.63081	0.241155	1.32E-07	0.160055	0.00052	0.312944	4.54E-12	0.120543	0.00912
0.67377	0.214975	2.76E-06	0.068627	0.13866	0.285547	3.27E-10	0.170384	0.00022
0.00025	0.390754	1.74E-18	0.312972	4.52E-12	0.326594	4.54E-13	0.288745	2.03E-10
4.36E-07	0.588694	6.78E-45	0.306024	1.40E-11	0.387526	3.50E-18	0.314045	3.79E-12
0.00013	0.356966	1.76E-15	0.161537	0.00046	0.344699	1.79E-14	0.277755	1.02E-09
5.94E-07	0.336183	8.40E-14	0.250782	3.95E-08	0.287072	2.61E-10	0.332973	1.49E-13
2.39E-11	-0.47819	4.67E-28	-0.18907	3.92E-05	-0.29268	1.12E-10	-0.27732	1.08E-09
8.80E-21	0.503606	2.12E-31	0.245904	7.34E-08	0.309896	7.47E-12	0.351201	5.30E-15
0.14684	0.380872	1.43E-17	0.209279	5.09E-06	0.396232	5.25E-19	0.249478	4.67E-08
0.00899	0.292637	1.13E-10	0.147534	0.00139	0.286422	2.87E-10	0.274438	1.63E-09
0.00121	0.398436	3.22E-19	0.178377	0.00011	0.302483	2.45E-11	0.231443	4.26E-07
0.28374	0.223832	1.03E-06	0.195223	2.15E-05	0.251522	3.59E-08	0.114598	0.01321
0.01217	0.099042	0.03237	0.077496	0.09438	0.179643	9.48E-05	-0.03527	0.447
1.65E-05	0.39104	1.64E-18	0.266101	5.20E-09	0.337798	6.29E-14	0.286595	2.80E-10
2.98E-07	0.191827	3.00E-05	0.093773	0.04282	0.102576	0.02665	0.256734	1.83E-08
8.90E-14	0.53065	2.80E-35	0.370753	1.15E-16	0.491602	8.71E-30	0.5559	3.13E-39
0.0016	0.3786	2.30E-17	0.225404	8.59E-07	0.399924	2.31E-19	0.271699	2.40E-09
0.73195	0.162123	0.00044	0.053944	0.24464	0.187472	4.57E-05	0.114781	0.01306
0.77984	0.166165	0.00031	0.042589	0.35846	0.175886	0.00013	0.032575	0.48252
0.03736	0.309884	7.49E-12	0.163718	0.00038	0.346334	1.32E-14	0.213207	3.34E-06
0.11158	0.251451	3.63E-08	0.153114	0.0009	0.271842	2.35E-09	0.234797	2.86E-07
3.01E-05	0.313012	4.49E-12	0.229863	5.13E-07	0.299676	3.81E-11	0.239022	1.72E-07
0.00026	0.342182	2.84E-14	0.260204	1.15E-08	0.29614	6.60E-11	0.228504	6.01E-07
0.00072	0.386315	4.53E-18	0.259066	1.34E-08	0.328883	3.05E-13	0.230467	4.78E-07
0.00103	0.363966	4.49E-16	0.178068	0.00011	0.378367	2.42E-17	0.280751	6.60E-10
0.00082	0.32075	1.24E-12	0.248714	5.15E-08	0.307623	1.08E-11	0.182117	7.55E-05
0.00051	0.327224	4.07E-13	0.195248	2.15E-05	0.294339	8.70E-11	0.203092	9.72E-06
1.36E-05	0.34564	1.50E-14	0.213377	3.28E-06	0.287253	2.54E-10	0.284009	4.10E-10
0.33997	0.168328	0.00026	0.105429	0.02269	0.140956	0.00226	0.047022	0.31058
0.00256	0.257462	1.66E-08	0.167972	0.00027	0.234901	2.83E-07	0.198686	1.52E-05
0.62302	0.195875	2.02E-05	0.126236	0.0063	0.269893	3.08E-09	0.108528	0.01898
0.00169	0.278826	8.71E-10	0.169582	0.00023	0.372448	8.18E-17	0.25913	1.33E-08
0.72083	0.24416	9.13E-08	0.173693	0.00016	0.248564	5.25E-08	0.142594	0.00201
0.00178	0.35711	1.71E-15	0.204569	8.35E-06	0.400765	1.91E-19	0.239059	1.71E-07

0.00879	0.36013	9.53E-16	0.238916	1.74E-07	0.371501	9.91E-17	0.202705	1.01E-05
0.02852	0.178696	0.0001	0.157122	0.00066	0.238251	1.89E-07	0.088941	0.05477
0.0133	0.221312	1.37E-06	0.164719	0.00035	0.184068	6.30E-05	0.116372	0.01185
0.00035	0.257676	1.61E-08	0.193562	2.54E-05	0.20188	1.10E-05	0.181433	8.04E-05
0.01677	0.22673	7.38E-07	0.194387	2.34E-05	0.281674	5.77E-10	0.162942	0.00041
0.35959	0.108379	0.01914	-0.01944	0.67516	0.187723	4.46E-05	0.073745	0.11149
0.24261	0.203145	9.67E-06	0.105549	0.02254	0.199238	1.44E-05	0.122511	0.00804
0.00137	0.341984	2.94E-14	0.243329	1.01E-07	0.323766	7.39E-13	0.230081	5.00E-07
0.97906	0.272866	2.03E-09	0.120645	0.00906	0.275263	1.45E-09	0.133341	0.00389
0.12007	0.283582	4.36E-10	0.168674	0.00025	0.302097	2.61E-11	0.196045	1.98E-05
0.03648	0.326035	5.01E-13	0.214444	2.92E-06	0.322203	9.65E-13	0.19522	2.15E-05
0.01294	0.321088	1.17E-12	0.22067	1.47E-06	0.34259	2.63E-14	0.199126	1.46E-05
0.90251	0.257801	1.59E-08	0.089388	0.05356	0.227727	6.57E-07	0.103084	0.02591
0.05887	0.300227	3.50E-11	0.167567	0.00028	0.299044	4.21E-11	0.196154	1.96E-05
0.00107	0.388554	2.80E-18	0.254583	2.42E-08	0.375077	4.78E-17	0.240914	1.36E-07
0.00936	0.317608	2.10E-12	0.216603	2.31E-06	0.343173	2.36E-14	0.219403	1.69E-06
0.00405	0.317844	2.01E-12	0.199693	1.38E-05	0.28029	7.05E-10	0.225527	8.47E-07
0.00669	0.312901	4.57E-12	0.193855	2.46E-05	0.268438	3.77E-09	0.227352	6.87E-07
0.06982	0.27948	7.93E-10	0.145037	0.00168	0.186427	5.05E-05	0.152486	0.00095
0.00062	0.363608	4.82E-16	0.243187	1.03E-07	0.325844	5.17E-13	0.241491	1.27E-07
4.42E-06	0.327061	4.19E-13	0.23317	3.47E-07	0.282685	4.98E-10	0.26513	5.93E-09
0.00193	0.336005	8.68E-14	0.22361	1.05E-06	0.30488	1.68E-11	0.239908	1.54E-07
0.05666	0.183524	6.63E-05	0.059457	0.19964	0.137613	0.00288	0.190814	3.31E-05
0.00208	0.307837	1.04E-11	0.207518	6.13E-06	0.274006	1.73E-09	0.215417	2.63E-06
0.94147	0.184146	6.25E-05	0.035034	0.45007	0.21851	1.87E-06	0.102967	0.02608
0.00049	0.324022	7.08E-13	0.202768	1.01E-05	0.262486	8.49E-09	0.247833	5.76E-08
0.09491	0.271005	2.64E-09	0.147327	0.00141	0.335913	8.82E-14	0.198382	1.57E-05
0.02267	0.188562	4.12E-05	0.122627	0.00798	0.135866	0.00326	0.191044	3.24E-05
0.53445	0.230544	4.73E-07	0.142536	0.00202	0.239105	1.70E-07	0.087742	0.05813
0.00121	0.382875	9.41E-18	0.232	3.99E-07	0.41954	2.47E-21	0.261819	9.29E-09
0.00074	0.352606	4.06E-15	0.202875	9.94E-06	0.27281	2.05E-09	0.248433	5.33E-08
0.00112	0.194557	2.30E-05	0.084589	0.0678	0.172116	0.00019	0.106473	0.02138
0.08576	0.28557	3.26E-10	0.206295	6.97E-06	0.324627	6.38E-13	0.215674	2.55E-06
0.92138	0.130905	0.0046	0.144731	0.00171	0.18144	8.04E-05	0.148828	0.00126
6.48E-05	0.281148	6.23E-10	0.213967	3.08E-06	0.203512	9.31E-06	0.326187	4.88E-13
0.01286	0.302044	2.63E-11	0.194231	2.37E-05	0.299297	4.04E-11	0.272624	2.11E-09
0.00013	0.372437	8.20E-17	0.282157	5.38E-10	0.388123	3.08E-18	0.241057	1.34E-07
0.01608	0.325187	5.79E-13	0.226859	7.27E-07	0.344096	2.00E-14	0.223168	1.11E-06
0.12538	0.33463	1.11E-13	0.243037	1.05E-07	0.372723	7.73E-17	0.219957	1.59E-06
0.1205	0.322735	8.82E-13	0.201502	1.14E-05	0.351308	5.19E-15	0.201361	1.16E-05
0.0159	0.352105	4.46E-15	0.233403	3.38E-07	0.371767	9.39E-17	0.230996	4.49E-07
1.08E-06	0.387645	3.41E-18	0.230063	5.01E-07	0.342749	2.56E-14	0.284294	3.93E-10
0.55798	0.234544	2.95E-07	0.204783	8.16E-06	0.347417	1.08E-14	0.216397	2.36E-06
0.00367	0.258629	1.42E-08	0.239211	1.68E-07	0.321082	1.17E-12	0.193666	2.51E-05
0.20607	0.216844	2.25E-06	0.195987	2.00E-05	0.220067	1.57E-06	0.173641	0.00016

0.6842	0.178365	0.00011	0.229337	5.45E-07	0.316917	2.35E-12	0.198529	1.55E-05
0.00035	0.370062	1.33E-16	0.241002	1.35E-07	0.361462	7.35E-16	0.274663	1.58E-09
8.63E-08	0.381721	1.20E-17	0.379051	2.10E-17	0.415871	5.90E-21	0.269267	3.36E-09
0.00932	0.336427	8.04E-14	0.264304	6.64E-09	0.348346	9.06E-15	0.238993	1.72E-07
0.00891	0.314491	3.52E-12	0.3471	1.14E-14	0.394134	8.33E-19	0.272227	2.23E-09
9.68E-06	0.432944	9.31E-23	0.276581	1.20E-09	0.386819	4.07E-18	0.344894	1.72E-14
0.01539	0.593536	8.70E-46	0.256508	1.88E-08	0.383558	8.14E-18	0.247536	5.98E-08
2.49E-05	0.438372	2.37E-23	0.282307	5.26E-10	0.400683	1.95E-19	0.219351	1.70E-06
2.27E-05	-0.31683	2.39E-12	-0.13482	0.00351	-0.21587	2.50E-06	-0.35427	2.96E-15
0.07403	0.221988	1.27E-06	0.07761	0.0939	0.039755	0.39136	0.058622	0.20604
7.64E-06	0.346216	1.35E-14	0.234424	2.99E-07	0.291111	1.42E-10	0.243648	9.73E-08
0.13944	0.254112	2.57E-08	0.102315	0.02704	0.18941	3.80E-05	0.05623	0.22519
4.30E-07	0.472127	2.67E-27	0.28738	2.49E-10	0.429027	2.46E-22	0.324959	6.02E-13
0.03098	0.257285	1.70E-08	0.032497	0.48358	0.260166	1.16E-08	0.196413	1.91E-05
0.00115	0.381232	1.33E-17	0.221644	1.32E-06	0.398024	3.53E-19	0.270012	3.03E-09
0.01168	0.376317	3.70E-17	0.260544	1.10E-08	0.359218	1.14E-15	0.244227	9.05E-08
0.11906	0.315036	3.22E-12	0.178908	0.0001	0.38798	3.17E-18	0.211588	3.98E-06
0.01283	0.282138	5.39E-10	0.148836	0.00126	0.298538	4.55E-11	0.206087	7.12E-06
0.01306	0.189253	3.85E-05	0.083552	0.07125	0.184429	6.09E-05	0.104467	0.02396
0.00141	0.309008	8.63E-12	0.21372	3.16E-06	0.27191	2.33E-09	0.193799	2.48E-05
2.92E-06	0.419771	2.34E-21	0.270055	3.01E-09	0.360207	9.39E-16	0.280547	6.80E-10
0.25721	0.199873	1.35E-05	0.178926	0.0001	0.337685	6.42E-14	0.1394	0.00253
6.59E-10	0.507047	7.11E-32	0.304466	1.79E-11	0.425563	5.76E-22	0.354023	3.10E-15
0.00311	0.278525	9.10E-10	0.241045	1.34E-07	0.301439	2.89E-11	0.214803	2.81E-06
0.26173	0.101438	0.02839	0.105184	0.02301	0.162393	0.00043	0.142008	0.0021
0.97213	0.181089	8.30E-05	0.18248	7.30E-05	0.257098	1.74E-08	0.149651	0.00118
0.19977	0.144419	0.00175	0.099352	0.03183	0.160458	0.0005	0.102826	0.02628
0.01036	0.339681	4.47E-14	0.149227	0.00122	0.303651	2.04E-11	0.282022	5.48E-10
5.58E-07	-0.27557	1.39E-09	-0.18441	6.10E-05	-0.23008	5.00E-07	-0.21556	2.59E-06
0.12262	0.487363	3.13E-29	0.250292	4.21E-08	0.388686	2.72E-18	0.223531	1.06E-06
0.00012	0.425707	5.56E-22	0.217474	2.10E-06	0.338823	5.23E-14	0.223817	1.03E-06
1.82E-07	0.442005	9.33E-24	0.358778	1.24E-15	0.436145	4.16E-23	0.33609	8.54E-14
0.04636	0.206954	6.51E-06	0.062743	0.17587	0.172381	0.00018	0.051596	0.26581
0.43087	0.111782	0.01083	0.137798	0.00284	0.184779	5.89E-05	0.075466	0.10336
2.60E-07	0.584156	4.51E-44	0.326334	4.75E-13	0.459631	8.69E-26	0.384219	7.08E-18
0.63202	0.265807	5.41E-09	0.124572	0.00703	0.21477	2.82E-06	0.198578	1.54E-05
0.00016	0.357009	1.75E-15	0.20586	7.30E-06	0.392505	1.19E-18	0.26689	4.67E-09
0.07774	0.363501	4.92E-16	0.113975	0.01372	0.370332	1.26E-16	0.154131	0.00083
0.0078	0.247267	6.18E-08	0.097667	0.03486	0.271236	2.56E-09	0.157603	0.00063
0.0003	0.404141	8.93E-20	0.237915	1.97E-07	0.400925	1.85E-19	0.273879	1.76E-09
0.85656	0.225938	8.08E-07	0.175824	0.00013	0.270918	2.67E-09	0.113953	0.01374
0.21888	0.255467	2.16E-08	0.195052	2.19E-05	0.282996	4.76E-10	0.152714	0.00093
0.90134	0.248438	5.33E-08	0.151104	0.00105	0.242468	1.13E-07	0.114707	0.01312
0.0659	0.30057	3.31E-11	0.18389	6.40E-05	0.340966	3.54E-14	0.186614	4.96E-05
0.46151	0.256078	1.99E-08	0.183036	6.94E-05	0.297534	5.32E-11	0.146636	0.00149

0.07687	0.286938	2.66E-10	0.214671	2.85E-06	0.287078	2.60E-10	0.161735	0.00045
6.33E-24	-0.24301	1.05E-07	-0.13067	0.00468	-0.18209	7.57E-05	-0.29224	1.20E-10
5.82E-06	0.240327	1.47E-07	0.128765	0.00532	0.141915	0.00211	0.015642	0.73601
6.26E-06	0.442149	8.99E-24	0.29244	1.16E-10	0.417268	4.24E-21	0.327936	3.60E-13
0.48107	0.225244	8.75E-07	0.19988	1.35E-05	0.274136	1.70E-09	0.163552	0.00039
0.64105	-0.47147	3.22E-27	-0.20255	1.03E-05	-0.40041	2.07E-19	-0.16017	0.00051
0.01343	0.239239	1.67E-07	0.169875	0.00023	0.298805	4.37E-11	0.243622	9.76E-08
0.24438	0.509975	2.78E-32	0.299347	4.01E-11	0.475196	1.11E-27	0.196001	1.99E-05
0.00242	0.43967	1.70E-23	0.262366	8.63E-09	0.419746	2.35E-21	0.286292	2.93E-10
0.01239	0.302638	2.39E-11	0.154136	0.00083	0.291464	1.35E-10	0.227942	6.41E-07
0.01301	0.310291	7.01E-12	0.303809	1.99E-11	0.35258	4.08E-15	0.280149	7.20E-10
7.21E-19	0.276167	1.28E-09	0.220657	1.47E-06	0.25155	3.58E-08	0.480196	2.60E-28
0.00012	0.423179	1.03E-21	0.336469	7.98E-14	0.357324	1.64E-15	0.376292	3.72E-17
6.03E-09	0.554113	6.12E-39	0.260738	1.07E-08	0.427791	3.34E-22	0.256235	1.95E-08
0.24861	0.247197	6.24E-08	0.07667	0.09795	0.324408	6.62E-13	0.18099	8.38E-05
8.92E-05	0.435099	5.42E-23	0.221074	1.40E-06	0.364065	4.40E-16	0.243378	1.01E-07
0.91872	0.208164	5.73E-06	0.212004	3.80E-06	0.289484	1.82E-10	0.143159	0.00193
0.05511	0.255149	2.25E-08	0.185343	5.59E-05	0.292155	1.21E-10	0.247059	6.35E-08
0.00847	0.317317	2.20E-12	0.172004	0.00019	0.231217	4.38E-07	0.114979	0.01291
0.04469	0.288412	2.13E-10	0.077327	0.0951	0.230857	4.56E-07	0.229048	5.64E-07
0.01085	0.268238	3.88E-09	0.103666	0.02507	0.246632	6.70E-08	0.19597	2.00E-05
0.58875	0.221813	1.29E-06	0.160448	0.0005	0.19042	3.44E-05	0.147359	0.00141
8.03E-05	0.522642	4.29E-34	0.432699	9.90E-23	0.541282	6.67E-37	0.372259	8.50E-17
2.67E-06	0.459819	8.26E-26	0.389109	2.49E-18	0.428893	2.55E-22	0.276794	1.17E-09
0.60818	0.364655	3.92E-16	0.202787	1.00E-05	0.274627	1.59E-09	0.120752	0.009
0.83285	0.169105	0.00024	0.06375	0.16902	0.12439	0.00712	-0.04468	0.33537
0.00032	0.396238	5.24E-19	0.219682	1.64E-06	0.388929	2.59E-18	0.275879	1.33E-09
6.53E-10	0.383667	7.96E-18	0.198931	1.49E-05	0.351194	5.30E-15	0.293924	9.27E-11
0.00024	0.290307	1.61E-10	0.129576	0.00504	0.210469	4.48E-06	0.167487	0.00028
0.08322	-0.16655	0.0003	-0.0218	0.63846	-0.10844	0.01907	0.003292	0.94344
0.00794	0.446198	3.15E-24	0.227185	7.00E-07	0.279144	8.32E-10	0.294447	8.56E-11
0.21925	-0.5175	2.38E-33	-0.19356	2.54E-05	-0.32269	8.89E-13	-0.23829	1.88E-07
1.47E-15	0.5835	5.91E-44	0.402109	1.41E-19	0.483303	1.04E-28	0.644262	4.06E-56
1.17E-06	0.506223	9.25E-32	0.340702	3.72E-14	0.436295	4.01E-23	0.311003	6.24E-12
3.90E-08	0.328703	3.15E-13	0.246565	6.75E-08	0.239883	1.55E-07	0.226704	7.40E-07
0.00847	0.313039	4.47E-12	0.132649	0.00408	0.239324	1.66E-07	0.152588	0.00094
3.62E-05	0.438527	2.28E-23	0.269746	3.15E-09	0.430151	1.87E-22	0.293223	1.03E-10
2.32E-05	0.270764	2.73E-09	0.210539	4.45E-06	0.29256	1.14E-10	0.213343	3.29E-06
2.45E-06	0.525523	1.62E-34	0.326935	4.28E-13	0.485091	6.15E-29	0.345909	1.43E-14
0.51381	0.378175	2.52E-17	0.250061	4.34E-08	0.399448	2.57E-19	0.250197	4.26E-08
0.0555	0.20044	1.28E-05	0.13185	0.00432	0.159449	0.00054	0.12849	0.00542
1.91E-09	0.695585	8.86E-69	0.443179	6.89E-24	0.536157	4.11E-36	0.427373	3.70E-22
1.50E-07	0.325464	5.52E-13	0.200994	1.21E-05	0.348771	8.37E-15	0.310625	6.64E-12
6.00E-10	0.370432	1.23E-16	0.227134	7.04E-07	0.29339	1.01E-10	0.348279	9.18E-15
7.53E-06	0.395977	5.55E-19	0.241474	1.27E-07	0.332521	1.61E-13	0.340989	3.53E-14

7.03E-13	0.438802	2.12E-23	0.353635	3.34E-15	0.370476	1.22E-16	0.407844	3.83E-20
0.00248	0.225483	8.51E-07	0.133116	0.00395	0.158954	0.00057	0.142436	0.00203
0.002	0.518224	1.88E-33	0.30438	1.81E-11	0.40252	1.29E-19	0.300757	3.22E-11
1.17E-07	0.476517	7.58E-28	0.272199	2.23E-09	0.436229	4.08E-23	0.342457	2.70E-14
8.47E-05	0.334091	1.22E-13	0.201432	1.15E-05	0.312588	4.82E-12	0.273032	1.99E-09
2.88E-07	0.441064	1.19E-23	0.309823	7.56E-12	0.33335	1.39E-13	0.38298	9.20E-18
0.01997	0.136338	0.00316	0.09824	0.0338	0.090712	0.0501	0.086793	0.06091
0.00039	0.33911	4.96E-14	0.211977	3.82E-06	0.283069	4.71E-10	0.225216	8.78E-07
0.16863	0.256314	1.93E-08	0.176239	0.00013	0.312263	5.08E-12	0.216241	2.40E-06
6.14E-07	0.519314	1.31E-33	0.340639	3.76E-14	0.452423	6.08E-25	0.399625	2.47E-19
0.376	0.210063	4.68E-06	0.188902	3.99E-05	0.234637	2.92E-07	0.117467	0.01107
0.2168	0.188271	4.23E-05	0.046028	0.32094	0.209383	5.03E-06	0.155772	0.00073
0.01727	0.346929	1.18E-14	0.178101	0.00011	0.382546	1.01E-17	0.251587	3.56E-08
4.88E-15	0.4714	3.28E-27	0.340529	3.83E-14	0.36449	4.05E-16	0.373245	6.95E-17
6.41E-07	0.443738	5.97E-24	0.300734	3.23E-11	0.433496	8.11E-23	0.304871	1.68E-11
1.62E-11	0.520774	8.03E-34	0.339402	4.71E-14	0.429115	2.41E-22	0.4342	6.80E-23
0.00022	0.295522	7.26E-11	0.220185	1.55E-06	0.29523	7.59E-11	0.261464	9.74E-09
0.01497	0.535625	4.96E-36	0.373948	6.02E-17	0.5275	8.27E-35	0.321205	1.14E-12
0.76664	0.309526	7.94E-12	0.230953	4.51E-07	0.326297	4.78E-13	0.109021	0.01844
0.09945	0.340721	3.70E-14	0.196891	1.82E-05	0.297039	5.74E-11	0.219007	1.77E-06
0.10881	0.270593	2.80E-09	0.142003	0.0021	0.311624	5.64E-12	0.211239	4.13E-06
2.70E-07	0.448946	1.53E-24	0.273596	1.84E-09	0.423838	8.77E-22	0.330885	2.15E-13
9.03E-07	0.482232	1.43E-28	0.241025	1.35E-07	0.304355	1.82E-11	0.256368	1.92E-08
1.66E-05	0.391143	1.60E-18	0.234318	3.03E-07	0.351321	5.18E-15	0.270521	2.82E-09
3.52E-08	0.453201	4.94E-25	0.287389	2.49E-10	0.332718	1.56E-13	0.357838	1.49E-15
0.03734	0.41511	7.06E-21	0.254263	2.52E-08	0.407586	4.06E-20	0.258228	1.50E-08
0.8161	0.153687	0.00086	0.146802	0.00147	0.267135	4.51E-09	0.085195	0.06584
0.00195	0.283491	4.42E-10	0.19121	3.19E-05	0.288255	2.18E-10	0.251063	3.81E-08
5.83E-07	0.376891	3.29E-17	0.244356	8.91E-08	0.296723	6.03E-11	0.334667	1.10E-13
0.00031	0.187996	4.35E-05	0.059182	0.20173	0.092573	0.04556	0.126452	0.00621
0.03297	0.315656	2.90E-12	0.136061	0.00322	0.287255	2.54E-10	0.212122	3.76E-06
0.82393	0.425159	6.36E-22	0.125181	0.00676	0.234864	2.84E-07	0.061529	0.18439
4.84E-18	-0.32723	4.07E-13	-0.02275	0.6239	-0.11465	0.01317	-0.24721	6.22E-08
0.20677	0.292551	1.14E-10	0.212829	3.48E-06	0.468117	8.29E-27	0.133349	0.00389
0.71851	0.298378	4.67E-11	0.131184	0.00452	0.357697	1.53E-15	0.226246	7.80E-07
0.08286	0.190051	3.57E-05	0.094713	0.04077	0.138124	0.00278	0.063051	0.17375
0.07805	0.400023	2.26E-19	0.216261	2.40E-06	0.393762	9.04E-19	0.07681	0.09734
0.27276	0.274321	1.66E-09	0.137063	0.003	0.327892	3.63E-13	0.163382	0.00039
0.00666	0.218453	1.88E-06	0.130727	0.00466	0.228626	5.92E-07	0.303361	2.13E-11
0.4734	-0.35525	2.45E-15	-0.22102	1.41E-06	-0.37052	1.21E-16	-0.14535	0.00164
0.16032	0.2741	1.71E-09	0.167701	0.00027	0.300493	3.35E-11	0.165198	0.00034
0.00013	0.389642	2.22E-18	0.139863	0.00245	0.190049	3.57E-05	0.29611	6.63E-11
0.81586	0.257959	1.55E-08	0.132238	0.0042	0.282037	5.47E-10	0.175876	0.00013
0.43179	0.256762	1.82E-08	0.250082	4.32E-08	0.292729	1.11E-10	0.191553	3.09E-05
0.00273	0.432975	9.24E-23	0.243791	9.56E-08	0.385605	5.27E-18	0.247507	6.00E-08

3.51E-06	-0.30447	1.79E-11	-0.21528	2.67E-06	-0.20628	6.98E-06	-0.18919	3.88E-05
1.13E-05	0.493846	4.40E-30	0.362516	5.97E-16	0.40431	8.59E-20	0.379423	1.94E-17
0.00689	0.357595	1.56E-15	0.230185	4.94E-07	0.352001	4.55E-15	0.210764	4.35E-06
0.45479	0.133917	0.00374	-0.09663	0.03685	0.16528	0.00033	0.061331	0.18581
5.17E-11	0.232887	3.59E-07	0.179712	9.42E-05	0.140027	0.00242	0.272975	2.00E-09
6.56E-05	0.510271	2.53E-32	0.314457	3.54E-12	0.457313	1.63E-25	0.325859	5.16E-13
0.00315	0.431705	1.27E-22	0.267547	4.26E-09	0.466062	1.47E-26	0.279117	8.36E-10
2.38E-07	0.380981	1.40E-17	0.213801	3.13E-06	0.227593	6.68E-07	0.173397	0.00017
0.32029	0.282381	5.20E-10	0.136178	0.00319	0.160396	0.0005	0.173523	0.00016
3.93E-06	0.287756	2.35E-10	0.188587	4.11E-05	0.197172	1.77E-05	0.343587	2.19E-14
0.15385	0.085445	0.06505	-0.07919	0.08737	0.150909	0.00107	0.062651	0.1765
0.65874	-0.39053	1.83E-18	-0.23283	3.62E-07	-0.36713	2.39E-16	-0.17845	0.00011
0.10587	0.33917	4.91E-14	0.269854	3.10E-09	0.472409	2.46E-27	0.218384	1.90E-06
0.81179	0.206411	6.89E-06	0.200193	1.31E-05	0.339181	4.90E-14	0.162663	0.00042
2.01E-08	0.541438	6.31E-37	0.28674	2.74E-10	0.335439	9.60E-14	0.19389	2.46E-05
0.91487	0.311794	5.48E-12	0.1767	0.00012	0.292346	1.18E-10	0.186422	5.05E-05
0.98429	0.183781	6.47E-05	0.1278	0.00568	0.266121	5.18E-09	0.085391	0.06522
0.0559	0.25212	3.33E-08	0.187926	4.38E-05	0.261338	9.91E-09	0.182464	7.31E-05
0.00042	0.304359	1.82E-11	0.09648	0.03714	0.228096	6.30E-07	0.16308	0.0004
0.1291	0.084989	0.0665	0.035742	0.44096	0.240067	1.51E-07	-0.00231	0.96032
8.45E-05	0.416931	4.59E-21	0.212563	3.58E-06	0.367072	2.42E-16	0.286122	3.00E-10
0.69795	0.183132	6.87E-05	0.124301	0.00716	0.328504	3.26E-13	0.113346	0.01426
0.00255	0.193819	2.47E-05	0.11471	0.01312	0.16963	0.00023	0.126949	0.00601
0.4498	0.308081	1.00E-11	0.125545	0.0066	0.275427	1.42E-09	0.116837	0.01151
0.00365	0.434721	5.96E-23	0.286168	2.98E-10	0.448631	1.66E-24	0.331308	2.00E-13
0.0274	0.189385	3.80E-05	0.032066	0.48939	0.209806	4.81E-06	0.052543	0.25713
0.48429	0.367398	2.27E-16	0.240028	1.52E-07	0.389386	2.34E-18	0.118491	0.01038
1.75E-07	0.421889	1.40E-21	0.247708	5.85E-08	0.398373	3.26E-19	0.315465	3.00E-12
0.32006	-0.26615	5.16E-09	-0.1024	0.02692	-0.27039	2.88E-09	-0.21762	2.06E-06
2.06E-05	0.469138	6.22E-27	0.292083	1.23E-10	0.373571	6.50E-17	0.331987	1.77E-13
0.00725	-0.34209	2.88E-14	-0.07771	0.09348	-0.15004	0.00115	-0.19179	3.01E-05
0.00029	0.453399	4.69E-25	0.404023	9.17E-20	0.480083	2.69E-28	0.320226	1.35E-12
0.01116	0.291952	1.25E-10	0.199059	1.47E-05	0.25961	1.25E-08	0.189239	3.86E-05
0.00257	0.194468	2.32E-05	0.054108	0.24321	0.122187	0.00821	0.151617	0.00101
0.01102	0.215908	2.49E-06	0.135858	0.00326	0.205736	7.39E-06	0.247466	6.03E-08
4.10E-08	0.673039	6.67E-63	0.341316	3.32E-14	0.473095	2.02E-27	0.322021	9.96E-13
1.20E-05	0.46617	1.43E-26	0.318333	1.86E-12	0.411396	1.68E-20	0.336557	7.86E-14
2.26E-05	0.427785	3.34E-22	0.300511	3.34E-11	0.412728	1.23E-20	0.407872	3.81E-20
0.0707	0.254743	2.37E-08	0.17831	0.00011	0.234488	2.97E-07	0.260661	1.08E-08
0.00501	0.466553	1.28E-26	0.248868	5.05E-08	0.398099	3.47E-19	0.289846	1.72E-10
0.30973	0.221358	1.36E-06	0.09815	0.03397	0.154897	0.00078	0.133994	0.00372
0.07427	0.257964	1.55E-08	0.181167	8.24E-05	0.253069	2.94E-08	0.213502	3.24E-06
0.00701	0.376971	3.23E-17	0.249144	4.87E-08	0.418816	2.93E-21	0.26393	6.99E-09
3.51E-09	0.202794	1.00E-05	0.096145	0.0378	0.129427	0.00509	0.247745	5.82E-08
0.00082	0.344068	2.01E-14	0.226483	7.59E-07	0.319303	1.58E-12	0.2357	2.57E-07

0.02853	0.320244	1.35E-12	0.19404	2.42E-05	0.330997	2.11E-13	0.200745	1.24E-05
0.02457	0.273873	1.77E-09	0.18873	4.05E-05	0.314864	3.31E-12	0.235649	2.58E-07
0.51517	0.298838	4.34E-11	0.084135	0.06929	0.223469	1.07E-06	0.11486	0.013
3.77E-10	0.503958	1.90E-31	0.267093	4.54E-09	0.451806	7.17E-25	0.362298	6.24E-16
0.00013	-0.50054	5.56E-31	-0.22441	9.63E-07	-0.3599	9.96E-16	-0.28351	4.41E-10
1.25E-05	0.386273	4.57E-18	0.257978	1.55E-08	0.342448	2.70E-14	0.284086	4.05E-10
2.83E-05	0.456447	2.06E-25	0.237211	2.14E-07	0.432731	9.82E-23	0.310398	6.89E-12
0.5436	0.317697	2.06E-12	0.183063	6.92E-05	0.391746	1.40E-18	0.193275	2.61E-05
0.05642	0.360247	9.32E-16	0.310852	6.40E-12	0.444689	4.66E-24	0.111062	0.01635
2.43E-06	0.46166	4.99E-26	0.293221	1.03E-10	0.405428	6.66E-20	0.274767	1.56E-09
0.00274	0.118084	0.01065	0.098781	0.03283	0.301222	2.99E-11	0.033632	0.46842
0.64926	0.247761	5.81E-08	0.256689	1.84E-08	0.287086	2.60E-10	0.172932	0.00017
0.0008	0.341522	3.20E-14	0.233194	3.46E-07	0.401603	1.58E-19	0.33964	4.51E-14
0.5434	0.152002	0.00098	-0.02665	0.56568	0.144963	0.00168	0.088191	0.05685
0.68467	0.22268	1.17E-06	0.045131	0.33047	0.22904	5.64E-07	0.1512	0.00105
0.39059	-0.18645	5.04E-05	0.010115	0.82743	-0.15987	0.00052	-0.12109	0.00881
0.00647	0.304513	1.78E-11	0.184034	6.32E-05	0.297496	5.35E-11	0.205394	7.66E-06
0.75097	0.184092	6.28E-05	0.059806	0.19701	0.167236	0.00028	0.072795	0.11619
0.00102	0.505853	1.04E-31	0.337561	6.56E-14	0.406485	5.23E-20	0.331804	1.83E-13
5.34E-06	0.425389	6.01E-22	0.270684	2.76E-09	0.408188	3.54E-20	0.316683	2.45E-12
8.27E-14	0.663101	1.79E-60	0.415547	6.37E-21	0.520641	8.39E-34	0.38086	1.44E-17
9.18E-05	0.542829	3.83E-37	0.36746	2.24E-16	0.525771	1.49E-34	0.309093	8.52E-12
5.18E-11	0.604218	8.27E-48	0.418207	3.39E-21	0.556974	2.09E-39	0.449768	1.23E-24
2.02E-05	0.396112	5.39E-19	0.257112	1.74E-08	0.412023	1.46E-20	0.297683	5.20E-11
3.24E-05	0.413067	1.14E-20	0.256303	1.93E-08	0.411181	1.77E-20	0.294153	8.95E-11
1.72E-05	0.50563	1.12E-31	0.371314	1.03E-16	0.521264	6.81E-34	0.340315	3.99E-14
5.89E-05	0.552169	1.26E-38	0.333365	1.39E-13	0.514009	7.51E-33	0.278864	8.67E-10
6.00E-05	0.355283	2.44E-15	0.173148	0.00017	0.291204	1.40E-10	0.255694	2.09E-08
0.00983	0.327648	3.79E-13	0.217604	2.07E-06	0.380444	1.57E-17	0.233506	3.34E-07
0.00013	0.36304	5.39E-16	0.220594	1.48E-06	0.314443	3.55E-12	0.258353	1.47E-08
0.00425	0.386384	4.46E-18	0.252335	3.24E-08	0.439793	1.65E-23	0.264562	6.41E-09
7.85E-06	0.419524	2.48E-21	0.266562	4.88E-09	0.421865	1.41E-21	0.303835	1.98E-11
6.28E-06	0.427797	3.33E-22	0.272872	2.03E-09	0.422089	1.34E-21	0.316436	2.55E-12
0.03509	0.228734	5.85E-07	0.083538	0.07129	0.235925	2.50E-07	0.164235	0.00037
0.00295	0.307246	1.15E-11	0.195002	2.20E-05	0.326631	4.52E-13	0.274797	1.55E-09
0.00017	0.328186	3.45E-13	0.220648	1.47E-06	0.353363	3.51E-15	0.257639	1.62E-08
0.0339	0.340751	3.68E-14	0.281301	6.09E-10	0.363483	4.94E-16	0.253694	2.72E-08
0.02197	0.180607	8.68E-05	0.107604	0.02003	0.133496	0.00385	0.109492	0.01794
0.01057	0.256827	1.80E-08	0.205083	7.91E-06	0.268481	3.75E-09	0.211815	3.88E-06
1.51E-05	0.468206	8.08E-27	0.346338	1.32E-14	0.40404	9.13E-20	0.306502	1.29E-11
0.02162	0.356953	1.77E-15	0.241626	1.25E-07	0.352123	4.45E-15	0.313881	3.89E-12
0.00112	0.463195	3.27E-26	0.236719	2.27E-07	0.378404	2.40E-17	0.216831	2.25E-06
1.02E-05	0.133584	0.00383	-0.0126	0.78588	0.09637	0.03736	-0.10663	0.02118
1.04E-11	0.352678	4.00E-15	0.313621	4.06E-12	0.278584	9.02E-10	0.328091	3.51E-13
0.55206	0.21931	1.71E-06	0.142637	0.002	0.185704	5.40E-05	0.055134	0.23438



0.04921	0.193364	2.59E-05	0.147731	0.00137	0.314153	3.72E-12	0.144472	0.00175
2.65E-13	-0.3823	1.06E-17	-0.2032	9.61E-06	-0.21597	2.47E-06	-0.32577	5.24E-13
3.28E-05	0.400068	2.24E-19	0.24301	1.05E-07	0.410221	2.21E-20	0.291603	1.32E-10
0.03722	-0.17938	9.71E-05	-0.0634	0.17141	-0.17601	0.00013	-0.12027	0.00928
0.00118	-0.27552	1.40E-09	-0.15039	0.00111	-0.31004	7.30E-12	-0.06877	0.13785
0.02714	0.328511	3.26E-13	0.18826	4.24E-05	0.336257	8.29E-14	0.229565	5.31E-07
0.99277	0.2154	2.63E-06	0.151321	0.00104	0.366804	2.55E-16	0.131712	0.00436
0.02308	0.383482	8.27E-18	0.200382	1.28E-05	0.32047	1.30E-12	0.204351	8.54E-06
0.51026	0.113194	0.01439	-0.11488	0.01299	0.146327	0.00152	0.124846	0.00691
0.00029	0.35251	4.13E-15	0.229183	5.55E-07	0.345838	1.45E-14	0.230325	4.86E-07
0.00257	0.168129	0.00026	0.117379	0.01113	0.161075	0.00048	0.126641	0.00614
0.08064	0.32831	3.37E-13	0.221286	1.37E-06	0.34457	1.83E-14	0.203117	9.70E-06
0.02497	0.363924	4.52E-16	0.207967	5.85E-06	0.312284	5.06E-12	0.226254	7.79E-07
0.90341	0.15745	0.00064	0.10725	0.02044	0.229668	5.25E-07	0.144255	0.00178
0.46274	0.20358	9.24E-06	0.048361	0.297	0.275624	1.38E-09	0.147466	0.00139
0.00156	-0.53166	1.98E-35	-0.23211	3.94E-07	-0.30731	1.14E-11	-0.2497	4.54E-08
1.88E-07	0.312476	4.90E-12	0.29383	9.41E-11	0.294708	8.22E-11	0.11717	0.01128
3.08E-08	0.449202	1.43E-24	0.386687	4.18E-18	0.423429	9.68E-22	0.451443	7.90E-25
0.02183	0.335945	8.77E-14	0.278809	8.74E-10	0.44219	8.90E-24	0.309078	8.54E-12
0.00035	0.283284	4.56E-10	0.116705	0.01161	0.295664	7.10E-11	0.240263	1.48E-07
0.00286	0.376755	3.38E-17	0.242989	1.06E-07	0.351659	4.86E-15	0.255712	2.09E-08
0.00159	0.397829	3.68E-19	0.253386	2.83E-08	0.252668	3.10E-08	0.211222	4.14E-06
0.3116	0.280449	6.89E-10	0.22308	1.12E-06	0.314524	3.50E-12	0.040799	0.37904
0.07562	0.191179	3.20E-05	0.183417	6.69E-05	0.445976	3.33E-24	0.102399	0.02692
0.04823	0.26464	6.34E-09	0.21928	1.72E-06	0.30634	1.33E-11	0.175073	0.00014
0.01501	0.22552	8.48E-07	0.082181	0.07603	0.244606	8.63E-08	0.198073	1.62E-05
0.00795	0.338383	5.66E-14	0.248005	5.63E-08	0.353316	3.55E-15	0.216984	2.21E-06
0.02728	0.389837	2.12E-18	0.240289	1.47E-07	0.365055	3.62E-16	0.294257	8.81E-11
0.01127	-0.22491	9.09E-07	0.07476	0.10663	-0.09165	0.04778	-0.1073	0.02039
8.70E-05	0.271191	2.57E-09	0.199655	1.38E-05	0.229434	5.39E-07	0.281123	6.25E-10
0.89054	0.148341	0.0013	-0.01544	0.73933	0.147705	0.00137	0.08661	0.06146
0.00225	0.388998	2.55E-18	0.235776	2.54E-07	0.397584	3.89E-19	0.26053	1.10E-08
3.25E-05	0.290916	1.46E-10	0.176289	0.00013	0.193398	2.58E-05	0.135056	0.00345
6.42E-08	0.498545	1.03E-30	0.445306	3.97E-24	0.472819	2.19E-27	0.433944	7.25E-23
3.72E-11	0.428516	2.79E-22	0.415039	7.18E-21	0.43502	5.53E-23	0.435144	5.36E-23
7.05E-07	0.531298	2.24E-35	0.3902	1.96E-18	0.450246	1.08E-24	0.336545	7.88E-14
0.04401	0.239426	1.64E-07	0.086476	0.06187	0.207807	5.95E-06	0.095905	0.03829
0.01079	0.276485	1.22E-09	0.148435	0.0013	0.323656	7.53E-13	0.267748	4.15E-09
0.00099	0.458417	1.21E-25	0.157635	0.00063	0.224912	9.09E-07	0.094161	0.04196
3.12E-06	0.354427	2.87E-15	0.248419	5.34E-08	0.279344	8.09E-10	0.249723	4.53E-08
0.00306	0.253889	2.65E-08	0.196236	1.95E-05	0.230773	4.61E-07	0.140102	0.00241
0.00316	0.519726	1.14E-33	0.31521	3.12E-12	0.460257	7.33E-26	0.310506	6.77E-12
3.79E-05	0.391287	1.55E-18	0.26004	1.18E-08	0.402055	1.43E-19	0.299497	3.92E-11
0.00467	0.482262	1.42E-28	0.346539	1.27E-14	0.381115	1.36E-17	0.072079	0.11983
0.00586	0.351464	5.04E-15	0.23747	2.08E-07	0.367401	2.27E-16	0.22637	7.69E-07

0.04855	0.264304	6.64E-09	0.107813	0.01978	0.346955	1.18E-14	0.181696	7.85E-05
1.45E-08	-0.4422	8.87E-24	-0.16769	0.00027	-0.25197	3.39E-08	-0.26205	9.00E-09
1.50E-07	0.360128	9.54E-16	0.152037	0.00098	0.251159	3.77E-08	0.225454	8.54E-07
0.67239	0.154332	0.00082	0.135654	0.00331	0.212696	3.53E-06	0.112547	0.01496
0.02527	0.282189	5.35E-10	0.210757	4.35E-06	0.252268	3.27E-08	0.228406	6.08E-07
0.11156	0.266263	5.08E-09	0.277232	1.10E-09	0.302901	2.30E-11	0.187255	4.66E-05
0.0215	0.302042	2.63E-11	0.112858	0.01468	0.297533	5.32E-11	0.196112	1.97E-05
0.00064	0.377193	3.09E-17	0.336324	8.19E-14	0.448403	1.76E-24	0.228938	5.71E-07
0.8956	0.128428	0.00545	0.042829	0.35575	0.250991	3.85E-08	0.101276	0.02864
0.33129	0.481514	1.77E-28	0.503838	1.97E-31	0.549153	3.85E-38	0.289598	1.79E-10
0.00129	0.394026	8.53E-19	0.22896	5.70E-07	0.418292	3.32E-21	0.268177	3.91E-09
0.10259	-0.27453	1.61E-09	-0.16299	0.00041	-0.13365	0.00381	-0.11765	0.01094
0.08845	0.509625	3.11E-32	0.318461	1.82E-12	0.411262	1.74E-20	0.258173	1.51E-08
7.24E-22	0.588181	8.42E-45	0.454102	3.88E-25	0.534717	6.81E-36	0.479967	2.78E-28
0.00015	0.358056	1.43E-15	0.249617	4.59E-08	0.293308	1.02E-10	0.268423	3.78E-09
0.71342	0.220997	1.42E-06	0.167927	0.00027	0.320871	1.21E-12	0.118669	0.01027
3.97E-08	0.49157	8.80E-30	0.384131	7.21E-18	0.398682	3.05E-19	0.318466	1.82E-12
0.01733	0.332515	1.61E-13	0.178681	0.0001	0.328474	3.28E-13	0.226412	7.65E-07
0.52794	0.358682	1.26E-15	0.297167	5.63E-11	0.524706	2.14E-34	0.315623	2.92E-12
0.07278	0.255244	2.22E-08	0.169175	0.00024	0.373338	6.82E-17	0.170254	0.00022
2.96E-05	-0.05516	0.23418	0.139995	0.00243	0.060816	0.18954	-0.20312	9.69E-06
0.00184	0.18508	5.73E-05	0.126504	0.00619	0.138895	0.00263	0.156691	0.00068
0.05955	-0.453	5.22E-25	-0.11423	0.01352	-0.24629	6.99E-08	-0.12648	0.0062
0.00045	0.240043	1.52E-07	0.026895	0.56208	0.184004	6.34E-05	-0.03187	0.49207
0.00193	0.30622	1.35E-11	0.211442	4.04E-06	0.365084	3.60E-16	0.264436	6.52E-09
0.02417	0.30718	1.16E-11	0.161301	0.00047	0.229712	5.22E-07	0.198764	1.51E-05
0.53307	0.23242	3.80E-07	0.169866	0.00023	0.338903	5.15E-14	0.165179	0.00034
1.03E-05	0.425986	5.20E-22	0.387081	3.85E-18	0.460426	6.99E-26	0.256398	1.91E-08
0.03239	0.311061	6.18E-12	0.280906	6.45E-10	0.300498	3.35E-11	0.188262	4.24E-05
0.02665	0.359434	1.09E-15	0.353987	3.12E-15	0.3659	3.06E-16	0.13083	0.00463
0.21999	0.454778	3.24E-25	0.323351	7.94E-13	0.511165	1.89E-32	0.266883	4.67E-09
1.55E-16	0.639848	3.85E-55	0.468897	6.66E-27	0.540475	8.90E-37	0.548665	4.60E-38
1.40E-05	0.426198	4.93E-22	0.396708	4.72E-19	0.496274	2.09E-30	0.25851	1.44E-08
0.25799	0.383254	8.68E-18	0.313094	4.43E-12	0.4191	2.74E-21	0.077541	0.09419
4.78E-07	0.639782	3.98E-55	0.491467	9.08E-30	0.574226	2.57E-42	0.332249	1.69E-13
6.53E-08	0.537692	2.39E-36	0.352338	4.27E-15	0.470483	4.25E-27	0.355744	2.23E-15
1.39E-07	0.434626	6.11E-23	0.480768	2.20E-28	0.686549	2.33E-66	0.413811	9.58E-21
0.27762	0.3303	2.38E-13	0.396403	5.05E-19	0.464633	2.19E-26	0.139571	0.0025
7.05E-16	0.371767	9.39E-17	0.471738	2.98E-27	0.327311	4.01E-13	0.410043	2.31E-20
0.10442	0.247155	6.27E-08	0.121962	0.00833	0.376341	3.68E-17	0.134442	0.00361
0.42868	0.377484	2.91E-17	0.252159	3.31E-08	0.373292	6.89E-17	0.162414	0.00043
6.21E-15	0.507789	5.61E-32	0.482314	1.40E-28	0.506316	8.98E-32	0.525928	1.41E-34
3.76E-19	0.52673	1.08E-34	0.508004	5.24E-32	0.509193	3.58E-32	0.518192	1.90E-33
5.69E-05	0.391226	1.57E-18	0.303507	2.08E-11	0.377829	2.70E-17	0.347917	9.82E-15
3.88E-13	0.64291	8.12E-56	0.58659	1.64E-44	0.634901	4.58E-54	0.493644	4.68E-30

0.10173	0.291984	1.25E-10	0.177293	0.00012	0.466096	1.46E-26	0.170786	0.00021
0.59394	0.332353	1.66E-13	0.187431	4.59E-05	0.409997	2.33E-20	0.172795	0.00018
0.1887	0.277943	9.89E-10	0.266199	5.13E-09	0.362872	5.57E-16	0.153914	0.00085
6.26E-07	0.368334	1.88E-16	0.229469	5.37E-07	0.285394	3.34E-10	0.28097	6.39E-10
4.18E-05	0.44774	2.10E-24	0.414911	7.40E-21	0.532147	1.67E-35	0.384736	6.34E-18
0.06391	0.287588	2.41E-10	0.129786	0.00497	0.214593	2.87E-06	0.074129	0.10963
0.39412	-0.23079	4.60E-07	-0.28685	2.69E-10	-0.29645	6.29E-11	-0.31381	3.94E-12
0.08407	-0.19503	2.19E-05	-0.32188	1.02E-12	-0.33261	1.59E-13	-0.20533	7.71E-06
3.52E-05	-0.40319	1.11E-19	-0.22165	1.32E-06	-0.40689	4.77E-20	-0.3513	5.20E-15
1.10E-17	0.47623	8.23E-28	0.476837	6.91E-28	0.51721	2.62E-33	0.466081	1.47E-26
0.53457	0.345984	1.41E-14	0.239342	1.65E-07	0.319256	1.59E-12	0.182579	7.24E-05
0.27123	0.214695	2.84E-06	0.285168	3.46E-10	0.465683	1.64E-26	0.237481	2.07E-07
0.00623	0.360627	8.65E-16	0.350423	6.14E-15	0.365689	3.19E-16	0.267482	4.30E-09
0.80477	0.303627	2.05E-11	0.23636	2.37E-07	0.437017	3.34E-23	0.238235	1.89E-07
1.57E-10	0.44659	2.84E-24	0.406173	5.62E-20	0.452455	6.03E-25	0.47201	2.76E-27
2.90E-13	0.609969	6.26E-49	0.551161	1.83E-38	0.596471	2.46E-46	0.507287	6.59E-32
0.74482	-0.31946	1.53E-12	-0.31071	6.55E-12	-0.42809	3.11E-22	-0.2282	6.22E-07
0.0187	0.433534	8.03E-23	0.466466	1.32E-26	0.491047	1.03E-29	0.304654	1.74E-11
5.71E-15	0.500158	6.26E-31	0.394567	7.58E-19	0.478845	3.86E-28	0.515501	4.60E-33
5.80E-30	0.544446	2.14E-37	0.397565	3.91E-19	0.463977	2.63E-26	0.598833	8.84E-47
6.47E-05	0.41119	1.77E-20	0.397533	3.94E-19	0.42574	5.52E-22	0.399781	2.38E-19
0.0529	-0.26729	4.42E-09	-0.13963	0.00249	-0.23193	4.02E-07	-0.24774	5.82E-08
0.05929	0.278757	8.80E-10	0.302263	2.54E-11	0.297787	5.11E-11	0.216646	2.30E-06
0.22586	0.275716	1.36E-09	0.262888	8.04E-09	0.355375	2.39E-15	0.238488	1.83E-07
0.31958	0.326018	5.02E-13	0.428368	2.90E-22	0.402894	1.18E-19	0.272747	2.07E-09
1.70E-22	0.687101	1.67E-66	0.58858	7.12E-45	0.625254	5.05E-52	0.597288	1.73E-46
2.63E-06	0.389003	2.54E-18	0.326047	5.00E-13	0.366919	2.50E-16	0.309695	7.72E-12
2.01E-15	0.50289	2.66E-31	0.456049	2.30E-25	0.401908	1.48E-19	0.45682	1.87E-25
0.28093	0.407508	4.14E-20	0.320448	1.30E-12	0.369031	1.63E-16	0.274197	1.69E-09
6.58E-08	0.230895	4.54E-07	0.282139	5.39E-10	0.23646	2.34E-07	0.318004	1.96E-12
0.03642	0.288402	2.14E-10	0.210784	4.34E-06	0.341585	3.16E-14	0.240489	1.44E-07
8.22E-05	0.47866	4.07E-28	0.385565	5.32E-18	0.431847	1.22E-22	0.409812	2.43E-20
0.00203	0.328319	3.37E-13	0.203905	8.94E-06	0.38984	2.12E-18	0.209545	4.95E-06
0.69033	0.237804	1.99E-07	0.283972	4.12E-10	0.324218	6.84E-13	0.123692	0.00745
0.9472	0.310763	6.49E-12	0.385074	5.90E-18	0.375	4.85E-17	0.264367	6.58E-09
7.72E-22	0.534858	6.49E-36	0.553535	7.59E-39	0.567148	4.21E-41	0.505606	1.13E-31
2.24E-22	0.60171	2.51E-47	0.482897	1.18E-28	0.556038	2.97E-39	0.58425	4.34E-44
2.90E-06	0.56958	1.62E-41	0.38686	4.03E-18	0.372405	8.25E-17	0.315568	2.94E-12
0.31691	0.203248	9.57E-06	0.064701	0.16274	0.234545	2.95E-07	0.37112	1.07E-16
9.09E-11	0.507288	6.59E-32	0.365259	3.47E-16	0.393914	8.74E-19	0.342994	2.44E-14
6.99E-23	0.599253	7.36E-47	0.586058	2.05E-44	0.614475	7.99E-50	0.604172	8.44E-48
1.12E-07	0.521812	5.67E-34	0.499071	8.78E-31	0.508134	5.02E-32	0.424965	6.67E-22
6.76E-17	0.244973	8.25E-08	0.296844	5.92E-11	0.279428	7.99E-10	0.474295	1.44E-27
1.15E-24	0.582007	1.09E-43	0.450116	1.12E-24	0.490376	1.26E-29	0.61839	1.30E-50
0.24517	0.239667	1.59E-07	0.219011	1.77E-06	0.343011	2.44E-14	0.291886	1.26E-10

0.00154	0.087779	0.05803	0.152965	0.00091	0.166331	0.00031	0.136635	0.00309
1.58E-06	0.360909	8.19E-16	0.299372	4.00E-11	0.387407	3.59E-18	0.428621	2.72E-22
0.00053	0.452522	5.92E-25	0.352757	3.94E-15	0.3713	1.03E-16	0.352923	3.82E-15
1.18E-10	0.538565	1.76E-36	0.417756	3.78E-21	0.405185	7.04E-20	0.387969	3.18E-18
3.18E-05	0.304948	1.66E-11	0.232487	3.77E-07	0.320205	1.35E-12	0.223433	1.08E-06
0.00017	0.286519	2.83E-10	0.16682	0.00029	0.294961	7.91E-11	0.23716	2.15E-07
0.00011	0.332041	1.75E-13	0.22961	5.28E-07	0.324724	6.27E-13	0.240783	1.39E-07
1.80E-44	0.694027	2.35E-68	0.555024	4.35E-39	0.545868	1.28E-37	0.60329	1.25E-47
0.6133	0.291898	1.26E-10	0.370197	1.29E-16	0.387251	3.71E-18	0.080312	0.08297
0.09676	0.187366	4.62E-05	0.134368	0.00362	0.256031	2.00E-08	0.201183	1.18E-05
0.26103	0.326295	4.79E-13	0.272944	2.01E-09	0.366564	2.68E-16	0.078432	0.09046
2.13E-27	0.545407	1.51E-37	0.466164	1.43E-26	0.480414	2.44E-28	0.58601	2.09E-44
4.76E-20	0.679827	1.29E-64	0.556879	2.17E-39	0.562166	2.90E-40	0.53032	3.14E-35
1.71E-06	0.331156	2.05E-13	0.217356	2.12E-06	0.326902	4.31E-13	0.354951	2.59E-15
4.62E-16	0.432579	1.02E-22	0.436075	4.24E-23	0.44021	1.48E-23	0.509745	2.99E-32
0.06559	-0.08664	0.06137	-0.14258	0.00201	-0.29277	1.11E-10	-0.08717	0.05979
0.02417	-0.23482	2.85E-07	-0.21562	2.57E-06	-0.29165	1.31E-10	-0.24364	9.74E-08
0.12215	0.316668	2.45E-12	0.21505	2.73E-06	0.383824	7.70E-18	0.321635	1.06E-12
2.06E-18	0.543882	2.62E-37	0.396461	4.99E-19	0.468722	6.99E-27	0.500813	5.10E-31
0.10113	0.296416	6.32E-11	0.322995	8.43E-13	0.409652	2.52E-20	0.162157	0.00043
2.17E-06	0.477261	6.11E-28	0.391519	1.48E-18	0.4738	1.65E-27	0.357474	1.60E-15
4.11E-12	0.448297	1.81E-24	0.460466	6.92E-26	0.495261	2.85E-30	0.479299	3.38E-28
9.53E-27	0.667484	1.56E-61	0.577137	7.96E-43	0.547128	8.07E-38	0.587185	1.28E-44
6.24E-19	0.332162	1.72E-13	0.387152	3.79E-18	0.393716	9.13E-19	0.520014	1.03E-33
0.24317	-0.28147	5.94E-10	-0.15398	0.00084	-0.23496	2.81E-07	-0.2035	9.32E-06
0.85397	0.471926	2.82E-27	0.379629	1.86E-17	0.588332	7.90E-45	0.219645	1.65E-06
2.87E-32	0.555917	3.11E-39	0.547973	5.93E-38	0.469745	5.24E-27	0.603457	1.16E-47
0.53566	-0.28249	5.12E-10	-0.15412	0.00083	-0.30968	7.74E-12	-0.20507	7.93E-06
0.00036	0.557317	1.84E-39	0.3951	6.74E-19	0.424438	7.58E-22	0.389508	2.28E-18
4.77E-33	0.464109	2.54E-26	0.489873	1.47E-29	0.479881	2.85E-28	0.661474	4.38E-60
1.39E-21	0.557383	1.79E-39	0.523452	3.27E-34	0.555442	3.72E-39	0.597078	1.89E-46
5.76E-19	0.493569	4.79E-30	0.469626	5.42E-27	0.502296	3.20E-31	0.549842	2.98E-38
5.95E-24	0.389665	2.21E-18	0.406274	5.49E-20	0.39405	8.49E-19	0.551668	1.52E-38
0.00033	0.402148	1.40E-19	0.324963	6.02E-13	0.348491	8.82E-15	0.269201	3.39E-09
1.92E-12	0.491928	7.89E-30	0.553413	7.95E-39	0.595079	4.49E-46	0.523853	2.85E-34
0.0452	-0.3361	8.53E-14	-0.28168	5.76E-10	-0.331	2.11E-13	-0.33697	7.30E-14
0.00092	-0.15512	0.00077	-0.2333	3.42E-07	-0.27634	1.24E-09	-0.29595	6.80E-11
2.55E-14	0.46281	3.63E-26	0.441282	1.12E-23	0.496598	1.89E-30	0.532014	1.75E-35
0.00043	0.091756	0.04751	0.18179	7.78E-05	0.226313	7.74E-07	0.143875	0.00183
5.68E-15	0.560007	6.62E-40	0.492059	7.58E-30	0.563304	1.87E-40	0.578953	3.81E-43
7.34E-30	0.603507	1.13E-47	0.502039	3.47E-31	0.550357	2.47E-38	0.593346	9.44E-46
6.10E-22	0.497415	1.47E-30	0.477505	5.69E-28	0.515416	4.73E-33	0.570702	1.04E-41
1.43E-15	0.471265	3.41E-27	0.499321	8.13E-31	0.500558	5.53E-31	0.513293	9.48E-33
0.011	-0.23407	3.12E-07	-0.19467	2.27E-05	-0.33105	2.09E-13	-0.12493	0.00687
1.77E-10	-0.46088	6.18E-26	-0.33346	1.37E-13	-0.41806	3.51E-21	-0.40909	2.88E-20

0.22286	0.262553	8.41E-09	0.178709	0.0001	0.304778	1.70E-11	0.329183	2.90E-13
3.58E-06	-0.41697	4.55E-21	-0.29802	4.93E-11	-0.39893	2.88E-19	-0.33513	1.01E-13
0.84509	0.236475	2.34E-07	0.210423	4.51E-06	0.309656	7.77E-12	0.179623	9.50E-05
1.69E-36	0.550862	2.05E-38	0.528448	5.98E-35	0.543689	2.81E-37	0.632275	1.68E-53
5.33E-11	0.472749	2.23E-27	0.478373	4.43E-28	0.669997	3.78E-62	0.425426	5.96E-22
0.0492	0.154732	0.00079	0.238279	1.88E-07	0.273725	1.80E-09	0.214872	2.79E-06
0.00011	0.389849	2.12E-18	0.293595	9.75E-11	0.411076	1.81E-20	0.262026	9.03E-09
1.48E-11	0.457226	1.67E-25	0.389931	2.08E-18	0.38848	2.85E-18	0.435441	4.97E-23
0.40963	-0.29506	7.79E-11	-0.18221	7.49E-05	-0.28996	1.69E-10	-0.20372	9.11E-06
7.32E-06	0.1987	1.52E-05	0.086086	0.06306	0.142586	0.00201	0.221203	1.38E-06
0.00935	0.192392	2.84E-05	0.165961	0.00032	0.37709	3.15E-17	0.089223	0.05401
0.0406	0.232136	3.93E-07	0.195642	2.06E-05	0.335791	9.01E-14	0.262377	8.61E-09
9.34E-33	0.740633	2.50E-82	0.65129	1.05E-57	0.646028	1.63E-56	0.642557	9.73E-56
0.00299	0.252353	3.23E-08	0.29425	8.82E-11	0.25785	1.58E-08	0.344991	1.69E-14
1.95E-07	0.404686	7.89E-20	0.467684	9.36E-27	0.440822	1.27E-23	0.501189	4.54E-31
1.59E-18	0.598397	1.07E-46	0.429781	2.04E-22	0.469212	6.09E-27	0.537716	2.37E-36
8.78E-17	0.532277	1.60E-35	0.4575	1.55E-25	0.479134	3.55E-28	0.533698	9.73E-36
0.00141	0.277546	1.05E-09	0.187314	4.64E-05	0.295006	7.86E-11	0.344495	1.85E-14
7.68E-22	0.613539	1.23E-49	0.535921	4.47E-36	0.533775	9.47E-36	0.597897	1.33E-46
8.39E-06	0.36545	3.34E-16	0.331995	1.77E-13	0.336766	7.57E-14	0.526633	1.11E-34
0.00069	0.345752	1.47E-14	0.316535	2.51E-12	0.394779	7.23E-19	0.368848	1.69E-16
2.57E-15	0.682854	2.14E-65	0.611011	3.90E-49	0.656718	5.80E-59	0.498349	1.10E-30
1.34E-10	0.4347	5.99E-23	0.207594	6.08E-06	0.227462	6.78E-07	0.404379	8.46E-20
9.51E-23	0.615965	4.01E-50	0.454484	3.50E-25	0.461526	5.17E-26	0.546126	1.16E-37
0.45037	0.342782	2.54E-14	0.373565	6.51E-17	0.415	7.25E-21	0.234205	3.07E-07
6.97E-10	0.632048	1.87E-53	0.500118	6.34E-31	0.567248	4.05E-41	0.453371	4.72E-25
4.70E-23	0.646238	1.47E-56	0.512178	1.36E-32	0.539802	1.13E-36	0.58534	2.76E-44
0.02074	0.601119	3.25E-47	0.300231	3.49E-11	0.453476	4.59E-25	0.226334	7.72E-07
0.08124	0.34378	2.12E-14	0.337133	7.09E-14	0.392822	1.11E-18	0.187869	4.40E-05
0.22254	0.409174	2.82E-20	0.345792	1.46E-14	0.410063	2.30E-20	0.273023	1.99E-09
1.99E-16	0.578904	3.89E-43	0.391637	1.44E-18	0.424248	7.94E-22	0.398415	3.23E-19
3.18E-25	0.549257	3.70E-38	0.480484	2.39E-28	0.518266	1.85E-33	0.587067	1.34E-44
4.82E-34	0.641409	1.74E-55	0.495106	2.99E-30	0.495318	2.80E-30	0.624978	5.77E-52
2.00E-22	0.612949	1.61E-49	0.505742	1.08E-31	0.564401	1.22E-40	0.526226	1.28E-34
7.32E-13	0.434406	6.45E-23	0.338673	5.37E-14	0.455933	2.37E-25	0.429425	2.23E-22
0.74486	0.21688	2.24E-06	0.170999	0.0002	0.238988	1.73E-07	0.101052	0.029
8.17E-19	0.439865	1.62E-23	0.401714	1.55E-19	0.451106	8.64E-25	0.547982	5.91E-38
0.00089	0.322631	8.97E-13	0.313148	4.39E-12	0.401915	1.48E-19	0.282575	5.06E-10
0.01524	0.362984	5.45E-16	0.343776	2.12E-14	0.458904	1.06E-25	0.186092	5.21E-05
4.79E-05	0.41297	1.17E-20	0.236555	2.32E-07	0.466576	1.28E-26	0.29185	1.27E-10
0.20255	0.284963	3.56E-10	0.250603	4.04E-08	0.334923	1.05E-13	0.213507	3.23E-06
4.29E-08	0.304398	1.81E-11	0.341431	3.25E-14	0.348607	8.63E-15	0.345031	1.68E-14
0.67333	-0.19662	1.87E-05	-0.16993	0.00022	-0.28258	5.05E-10	-0.23586	2.52E-07
0.06721	0.386501	4.35E-18	0.485665	5.19E-29	0.499791	7.02E-31	0.294245	8.83E-11
6.28E-36	0.615884	4.17E-50	0.537004	3.05E-36	0.509385	3.36E-32	0.68869	6.33E-67

1.02E-09	0.479683	3.02E-28	0.438139	2.51E-23	0.538255	1.96E-36	0.490584	1.19E-29
0.11866	0.363175	5.25E-16	0.242933	1.06E-07	0.437156	3.22E-23	0.138958	0.00262
0.00058	-0.10192	0.02764	-0.10356	0.02522	-0.23832	1.87E-07	-0.13985	0.00245
0.34872	0.244434	8.82E-08	0.293013	1.07E-10	0.334084	1.22E-13	0.244768	8.46E-08
0.02566	0.236214	2.41E-07	0.183082	6.91E-05	0.272307	2.20E-09	0.197805	1.66E-05
0.00475	0.418086	3.49E-21	0.303892	1.96E-11	0.423127	1.04E-21	0.373089	7.18E-17
1.58E-23	0.531939	1.79E-35	0.41355	1.02E-20	0.396915	4.51E-19	0.54328	3.26E-37
0.49246	0.341362	3.29E-14	0.280205	7.14E-10	0.299943	3.66E-11	0.197094	1.79E-05
3.01E-08	0.547118	8.10E-38	0.331836	1.82E-13	0.357134	1.71E-15	0.328154	3.47E-13
1.65E-07	0.535818	4.63E-36	0.328455	3.29E-13	0.42328	1.00E-21	0.32792	3.61E-13
1.96E-22	0.601427	2.84E-47	0.524115	2.61E-34	0.513953	7.64E-33	0.574792	2.05E-42
3.90E-08	0.348705	8.47E-15	0.31425	3.66E-12	0.368311	1.89E-16	0.343607	2.18E-14
2.01E-30	0.63911	5.59E-55	0.566375	5.69E-41	0.552724	1.03E-38	0.674119	3.59E-63
3.47E-27	0.528479	5.91E-35	0.455827	2.44E-25	0.5537	7.14E-39	0.607275	2.11E-48
0.09281	0.284652	3.73E-10	0.243636	9.74E-08	0.358777	1.24E-15	0.207276	6.29E-06
1.70E-19	0.57801	5.59E-43	0.489373	1.71E-29	0.577593	6.62E-43	0.624245	8.18E-52
0.47803	-0.11012	0.01728	-0.1743	0.00015	-0.19861	1.53E-05	-0.18482	5.87E-05
9.83E-41	0.580035	2.45E-43	0.564639	1.12E-40	0.552683	1.04E-38	0.642349	1.08E-55
0.00135	-0.26074	1.07E-08	-0.28061	6.73E-10	-0.27565	1.37E-09	-0.33362	1.33E-13
0.25597	0.171851	0.00019	0.101307	0.02859	0.195549	2.08E-05	0.288437	2.13E-10
0.00483	0.196944	1.81E-05	0.371232	1.05E-16	0.383389	8.44E-18	0.34242	2.71E-14
0.0029	0.297966	4.97E-11	0.279831	7.54E-10	0.346147	1.37E-14	0.237748	2.01E-07
0.11349	0.321505	1.09E-12	0.371574	9.77E-17	0.46634	1.36E-26	0.180213	9.00E-05
1.94E-06	0.548118	5.62E-38	0.453511	4.55E-25	0.47588	9.11E-28	0.335895	8.85E-14
0.00014	0.434304	6.62E-23	0.459271	9.59E-26	0.551662	1.52E-38	0.414234	8.68E-21
0.21886	0.477293	6.06E-28	0.388031	3.14E-18	0.559698	7.45E-40	0.34189	2.99E-14
3.90E-24	0.583886	5.04E-44	0.578233	5.11E-43	0.597527	1.56E-46	0.62196	2.42E-51
0.66033	0.404801	7.68E-20	0.315284	3.09E-12	0.422998	1.07E-21	0.15678	0.00067
0.6304	0.22638	7.68E-07	0.204909	8.06E-06	0.282459	5.14E-10	0.210353	4.54E-06
7.37E-05	0.261657	9.49E-09	0.173872	0.00016	0.241424	1.28E-07	0.348672	8.53E-15
0.10609	0.302489	2.45E-11	0.29577	6.99E-11	0.297711	5.17E-11	0.183298	6.77E-05
1.62E-11	0.45644	2.07E-25	0.438308	2.41E-23	0.509641	3.10E-32	0.524778	2.09E-34
0.00158	0.294048	9.10E-11	0.241777	1.23E-07	0.337012	7.24E-14	0.319646	1.49E-12
0.00583	0.188924	3.98E-05	0.192465	2.82E-05	0.227073	7.09E-07	0.248107	5.56E-08
1.74E-16	0.549889	2.93E-38	0.412773	1.22E-20	0.450819	9.32E-25	0.514921	5.57E-33
0.00341	0.447292	2.36E-24	0.435351	5.09E-23	0.537403	2.65E-36	0.380961	1.41E-17
2.51E-10	0.391958	1.34E-18	0.530708	2.75E-35	0.49821	1.15E-30	0.396169	5.32E-19
3.55E-28	0.55069	2.18E-38	0.513866	7.86E-33	0.526202	1.29E-34	0.603629	1.07E-47
0.10068	0.364743	3.85E-16	0.246	7.25E-08	0.447113	2.48E-24	0.196625	1.87E-05
2.11E-26	0.544889	1.82E-37	0.466966	1.14E-26	0.499408	7.91E-31	0.500004	6.57E-31
0.28593	0.346814	1.21E-14	0.279214	8.24E-10	0.291653	1.31E-10	0.192801	2.73E-05
0.01272	-0.11111	0.0163	-0.12913	0.00519	-0.19763	1.69E-05	-0.11056	0.01685
2.89E-19	0.590284	3.47E-45	0.425904	5.30E-22	0.512573	1.20E-32	0.467473	9.93E-27
0.02278	0.407428	4.21E-20	0.329128	2.93E-13	0.426464	4.62E-22	0.295825	6.93E-11
6.94E-06	0.386347	4.50E-18	0.364822	3.79E-16	0.358037	1.43E-15	0.360884	8.23E-16

4.29E-15	0.323653	7.54E-13	0.455283	2.83E-25	0.377764	2.74E-17	0.467292	1.04E-26
9.48E-12	0.498563	1.03E-30	0.387025	3.89E-18	0.47157	3.13E-27	0.499905	6.77E-31
0.19986	0.316316	2.60E-12	0.297477	5.37E-11	0.394633	7.47E-19	0.197851	1.66E-05
0.04851	0.358786	1.24E-15	0.445725	3.56E-24	0.501398	4.25E-31	0.352098	4.47E-15
0.01158	-0.14294	0.00196	-0.01763	0.70396	-0.15729	0.00065	-0.0873	0.05942
0.04137	0.273942	1.75E-09	0.343842	2.09E-14	0.456511	2.03E-25	0.219091	1.75E-06
0.00074	0.355905	2.16E-15	0.267079	4.55E-09	0.363593	4.83E-16	0.294709	8.22E-11
3.51E-05	0.513799	8.04E-33	0.488364	2.32E-29	0.568099	2.90E-41	0.422579	1.19E-21
0.97011	0.33178	1.84E-13	0.38504	5.95E-18	0.413531	1.02E-20	0.28042	6.92E-10
0.58027	-0.36454	4.01E-16	-0.30453	1.77E-11	-0.46241	4.06E-26	-0.21743	2.11E-06
0.02446	-0.26735	4.38E-09	-0.21235	3.67E-06	-0.37514	4.71E-17	-0.14726	0.00142
0.08516	0.372791	7.63E-17	0.378457	2.37E-17	0.444858	4.46E-24	0.392946	1.08E-18
7.38E-05	0.306173	1.36E-11	0.239177	1.69E-07	0.302089	2.61E-11	0.201032	1.20E-05
0.00132	0.395098	6.74E-19	0.301032	3.08E-11	0.366201	2.88E-16	0.417844	3.70E-21
8.76E-10	0.449687	1.26E-24	0.434787	5.86E-23	0.604244	8.17E-48	0.435196	5.29E-23
0.14129	0.467088	1.11E-26	0.382516	1.01E-17	0.41601	5.71E-21	0.18496	5.79E-05
1.39E-10	0.540083	1.02E-36	0.34762	1.04E-14	0.478307	4.51E-28	0.465346	1.80E-26
6.03E-16	0.565657	7.53E-41	0.578236	5.10E-43	0.63801	9.71E-55	0.597564	1.53E-46
0.5626	0.270899	2.68E-09	0.300346	3.43E-11	0.49491	3.18E-30	0.219943	1.59E-06
0.84222	0.295938	6.81E-11	0.334555	1.12E-13	0.398463	3.20E-19	0.216272	2.39E-06
3.43E-12	0.563017	2.09E-40	0.499115	8.66E-31	0.506066	9.73E-32	0.488775	2.05E-29
0.38444	0.377476	2.91E-17	0.286914	2.67E-10	0.480128	2.65E-28	0.288683	2.05E-10
6.48E-17	0.704799	2.43E-71	0.546692	9.46E-38	0.556454	2.54E-39	0.546229	1.12E-37
0.01654	0.380514	1.55E-17	0.418476	3.18E-21	0.433954	7.23E-23	0.410672	1.99E-20
2.17E-05	0.448217	1.85E-24	0.381363	1.29E-17	0.440293	1.45E-23	0.419145	2.71E-21
0.20335	0.379885	1.76E-17	0.388228	3.01E-18	0.53478	6.67E-36	0.31276	4.68E-12
9.85E-35	0.517732	2.21E-33	0.577918	5.80E-43	0.502216	3.29E-31	0.618849	1.05E-50
4.49E-07	0.637847	1.05E-54	0.58261	8.54E-44	0.595724	3.40E-46	0.458723	1.11E-25
0.42969	0.298709	4.43E-11	0.368071	1.98E-16	0.420863	1.80E-21	0.167061	0.00029
2.38E-15	0.462376	4.09E-26	0.305296	1.57E-11	0.285563	3.26E-10	0.409275	2.75E-20
4.92E-15	0.507816	5.56E-32	0.35767	1.54E-15	0.405239	6.95E-20	0.496959	1.69E-30
0.00619	0.564836	1.03E-40	0.476231	8.23E-28	0.5382	2.00E-36	0.286226	2.96E-10
4.00E-06	0.483034	1.13E-28	0.623467	1.19E-51	0.55242	1.15E-38	0.428179	3.04E-22
0.28178	0.310321	6.98E-12	0.357512	1.59E-15	0.355143	2.50E-15	0.284226	3.97E-10
4.77E-23	0.599295	7.22E-47	0.604518	7.24E-48	0.709263	1.28E-72	0.595407	3.90E-46
0.33842	0.430898	1.55E-22	0.381718	1.20E-17	0.405592	6.42E-20	0.266159	5.16E-09
0.09962	0.379145	2.06E-17	0.424575	7.33E-22	0.500381	5.84E-31	0.265152	5.92E-09
2.10E-05	0.513868	7.86E-33	0.431449	1.35E-22	0.412245	1.38E-20	0.374075	5.87E-17
0.31105	0.330748	2.20E-13	0.328653	3.18E-13	0.437026	3.33E-23	0.073379	0.11328
2.96E-07	0.479385	3.30E-28	0.466802	1.20E-26	0.502728	2.80E-31	0.377545	2.87E-17
5.83E-06	0.400002	2.27E-19	0.385675	5.19E-18	0.409259	2.76E-20	0.397351	4.10E-19
1.92E-05	-0.21184	3.87E-06	-0.0895	0.05325	-0.22648	7.59E-07	0.040349	0.38431
3.93E-10	0.154165	0.00083	0.088666	0.05553	-0.01806	0.69709	0.174328	0.00015
0.00748	0.031646	0.4951	0.121705	0.00847	0.205615	7.48E-06	0.050648	0.27471
7.34E-14	0.080345	0.08284	-0.02788	0.54783	-0.1238	0.00739	0.035728	0.44114

4.03E-23	0.162511	0.00042	0.083004	0.07313	-0.07051	0.12813	0.285903	3.10E-10
2.75E-16	0.045526	0.32624	0.115285	0.01267	-0.04366	0.3465	0.18704	4.76E-05
0.13327	-0.11725	0.01122	-0.06607	0.15399	-0.20603	7.17E-06	-0.09145	0.04825
0.00336	-0.26331	7.59E-09	-0.16537	0.00033	-0.28674	2.74E-10	0.1875	4.56E-05
1.78E-09	-0.12538	0.00667	-0.04083	0.37871	-0.23446	2.98E-07	-0.00813	0.86095
6.87E-21	0.019283	0.67768	0.040427	0.3834	-0.13276	0.00405	0.20808	5.78E-06
9.01E-12	-0.01727	0.70978	-0.01465	0.75226	-0.2147	2.84E-06	0.075044	0.10531
3.31E-05	-0.10324	0.02569	-0.10035	0.03014	-0.30265	2.39E-11	-0.06166	0.18348
2.57E-17	-0.01943	0.67529	-0.06843	0.13978	-0.19712	1.78E-05	0.191459	3.11E-05
6.31E-11	-0.02342	0.61375	-0.00484	0.91696	-0.15242	0.00095	0.128698	0.00535
1.32E-16	-0.15163	0.00101	-0.0601	0.19484	0.128838	0.0053	-0.2099	4.76E-06
3.09E-07	-0.01614	0.728	-0.03084	0.5062	-0.13055	0.00472	-0.00633	0.89145
8.51E-20	0.036383	0.43281	0.009324	0.84073	-0.08979	0.05248	0.271779	2.37E-09
2.98E-08	-0.03879	0.40301	-0.07365	0.11195	-0.19051	3.41E-05	0.059784	0.19718
6.19E-38	0.0184	0.69166	0.068598	0.13882	-0.14806	0.00133	0.199002	1.48E-05
5.17E-19	0.167129	0.00029	0.080018	0.08411	-0.01762	0.70406	0.337855	6.22E-14
8.78E-10	0.009073	0.84497	0.073906	0.11071	-0.00237	0.95925	0.102044	0.02745
2.87E-07	0.109753	0.01766	0.055855	0.2283	-0.04307	0.353	0.171873	0.00019
2.11E-21	-0.05026	0.2784	-0.05689	0.21978	-0.22895	5.71E-07	0.159197	0.00055
3.25E-07	0.066317	0.15247	0.029384	0.52645	-0.08805	0.05725	0.123506	0.00754
1.36E-10	0.001859	0.96805	0.005921	0.89845	-0.15663	0.00068	0.160293	0.00051
1.03E-06	-0.11843	0.01042	-0.12006	0.00941	-0.26057	1.10E-08	0.062266	0.17918
2.92E-11	0.087499	0.05883	0.026124	0.57335	0.22636	7.70E-07	-0.00118	0.97966
1.19E-06	0.042888	0.3551	0.071582	0.12241	0.251491	3.61E-08	-0.03375	0.46688
6.16E-12	-0.02397	0.60539	-0.06105	0.18782	-0.14505	0.00167	0.114604	0.01321
1.37E-10	0.058527	0.20678	0.044435	0.33799	-0.11852	0.01036	0.287789	2.34E-10
1.64E-18	-0.14208	0.00209	-0.0593	0.20086	-0.20718	6.35E-06	0.016609	0.72035
0.00053	-0.23513	2.75E-07	-0.15084	0.00108	-0.36739	2.27E-16	-0.00732	0.87472
2.41E-16	-0.08365	0.07093	-0.07466	0.1071	-0.26383	7.08E-09	0.055495	0.23132
1.02E-07	-0.1702	0.00022	-0.08969	0.05275	-0.24546	7.76E-08	0.179908	9.25E-05
2.30E-09	0.106549	0.02128	0.009288	0.84135	-0.06359	0.17009	0.139998	0.00243
2.08E-17	0.09191	0.04714	0.132575	0.0041	-0.04316	0.35207	0.283408	4.48E-10
0.0037	0.061419	0.18518	0.005442	0.90664	-0.06148	0.18471	-0.00917	0.8434
2.80E-19	0.075519	0.10312	0.093099	0.04434	-0.05661	0.22203	0.136927	0.00303
7.91E-19	0.117689	0.01092	0.060049	0.1952	-0.07673	0.09769	0.174778	0.00015
5.51E-18	0.209537	4.95E-06	0.082198	0.07597	0.001176	0.97977	0.150978	0.00107
3.34E-20	0.075168	0.10473	0.099334	0.03186	-0.10579	0.02223	0.290181	1.64E-10
1.20E-16	-0.06645	0.15168	-0.02494	0.59088	0.146492	0.0015	-0.11364	0.014
1.54E-07	-0.19835	1.58E-05	-0.15238	0.00095	-0.32501	5.97E-13	0.148545	0.00128
1.23E-18	-0.15986	0.00053	-0.02763	0.55142	-0.15458	0.0008	0.182255	7.46E-05
2.84E-13	0.063706	0.16931	0.049968	0.28121	-0.12364	0.00747	0.140549	0.00233
5.25E-29	0.210863	4.30E-06	0.246254	7.02E-08	0.044257	0.33993	0.2269	7.23E-07
1.11E-06	-0.05265	0.25614	-0.02736	0.55528	-0.18619	5.16E-05	-0.04363	0.3468
1.01E-11	0.089691	0.05275	0.123492	0.00755	-0.03046	0.51141	0.108523	0.01898
1.22E-23	0.005356	0.9081	0.080978	0.08044	-0.05932	0.20066	0.24687	6.50E-08



0.42377	-0.13921	0.00257	-0.07728	0.09529	-0.19815	1.61E-05	-0.17638	0.00013
2.73E-16	-0.12809	0.00557	-0.15472	0.00079	-0.00899	0.84636	-0.15006	0.00114
3.32E-18	0.178613	0.0001	0.145545	0.00161	-0.01469	0.75152	0.227952	6.41E-07
1.16E-12	0.007764	0.8671	0.003319	0.94297	-0.17427	0.00015	0.056595	0.22219
2.37E-19	-0.10066	0.02962	0.028769	0.53515	-0.16671	0.0003	0.141172	0.00223
8.55E-17	0.066794	0.14953	0.093605	0.04319	-0.04745	0.30617	0.170407	0.00022
3.71E-24	0.169864	0.00023	0.153362	0.00088	-0.00487	0.91637	0.265617	5.55E-09
6.42E-24	0.137371	0.00293	0.052992	0.25308	-0.04943	0.28643	0.272092	2.27E-09
3.08E-20	-0.07893	0.08841	-0.08615	0.06287	-0.15552	0.00075	0.118026	0.01069
0.11949	-0.02613	0.57322	-0.00658	0.88727	-0.11164	0.0158	0.013119	0.77736
5.79E-07	0.048107	0.29954	0.064496	0.16408	0.215902	2.49E-06	-0.09554	0.03904
5.19E-19	0.031003	0.50391	0.040082	0.38748	-0.15715	0.00065	0.203236	9.58E-06
2.58E-11	0.081038	0.08022	0.091055	0.04924	-0.04422	0.34037	0.073935	0.11057
3.48E-14	0.141641	0.00215	0.225544	8.45E-07	0.07241	0.11814	0.196209	1.95E-05
3.10E-05	-0.04366	0.34653	-0.04763	0.30436	-0.18068	8.62E-05	0.076307	0.09956
7.57E-19	-0.02181	0.63834	0.119497	0.00975	-0.10972	0.01769	0.097767	0.03467
4.03E-20	0.010516	0.8207	-0.12885	0.00529	-0.24243	1.13E-07	0.073416	0.1131
0.00688	-0.12347	0.00755	-0.10452	0.0239	-0.26082	1.06E-08	-0.0241	0.60341
4.56E-11	0.197282	1.75E-05	0.248767	5.11E-08	0.465491	1.73E-26	0.002749	0.95276
0.0068	0.212223	3.72E-06	0.167647	0.00027	0.33896	5.10E-14	0.132865	0.00402
3.39E-06	0.100965	0.02914	0.055776	0.22897	0.175598	0.00014	-0.05446	0.24011
0.01997	0.115007	0.01289	0.072217	0.11912	0.009291	0.84129	0.055633	0.23016
4.51E-06	0.126071	0.00637	0.044042	0.34228	0.240549	1.43E-07	-0.04174	0.36814
1.48E-11	0.04586	0.32271	0.017958	0.6987	-0.10696	0.02078	-0.00241	0.9585
4.72E-22	-0.01944	0.67517	0.008341	0.85733	-0.15718	0.00065	0.086583	0.06154
0.00013	0.023605	0.61088	0.008399	0.85635	0.212074	3.78E-06	0.044785	0.33419
3.34E-10	-0.02297	0.62057	0.036328	0.43351	0.169892	0.00023	-0.05707	0.2183
6.34E-12	-0.02192	0.63652	0.086197	0.06271	-0.14268	0.002	0.111048	0.01636
4.13E-21	-0.00388	0.93329	0.050839	0.2729	-0.16493	0.00034	0.086792	0.06092
4.67E-13	0.062617	0.17674	-0.01403	0.76234	0.225132	8.86E-07	-0.00694	0.88112
0.08185	0.18065	8.65E-05	0.035199	0.44794	-0.01301	0.77921	0.02562	0.58076
6.16E-05	-0.11263	0.01489	-0.09549	0.03914	-0.23443	2.99E-07	0.02829	0.54197
1.02E-18	-0.07118	0.12451	0.061575	0.18407	0.209194	5.14E-06	-0.1143	0.01346
3.55E-08	-0.09619	0.03771	-0.11952	0.00973	0.013424	0.77233	-0.07723	0.09554
3.65E-49	0.032292	0.48634	0.086538	0.06168	-0.1304	0.00477	0.3437	2.15E-14
1.22E-19	0.143229	0.00192	0.104043	0.02455	-0.0465	0.31595	0.26312	7.79E-09
1.54E-11	0.146179	0.00154	0.226096	7.94E-07	0.007852	0.86561	0.225309	8.68E-07
1.07E-09	-0.08092	0.08068	-0.05315	0.2517	-0.25012	4.30E-08	0.032871	0.47855
1.71E-06	0.148228	0.00132	0.115679	0.01237	0.032484	0.48375	0.13654	0.00311
0.60065	-0.25809	1.53E-08	-0.14112	0.00224	-0.16967	0.00023	-0.09864	0.03308
9.03E-06	-0.22795	6.40E-07	-0.12883	0.0053	-0.22399	1.01E-06	-0.00043	0.99256
1.31E-13	0.026699	0.56493	0.044397	0.3384	-0.06347	0.17088	0.182068	7.59E-05
2.96E-12	-0.12329	0.00764	-0.17843	0.00011	-0.26212	8.92E-09	0.006901	0.88176
3.87E-31	0.198266	1.59E-05	0.251061	3.81E-08	0.065426	0.15807	0.219237	1.72E-06
1.24E-16	-0.05972	0.19764	-0.15049	0.00111	-0.27864	8.96E-10	0.17048	0.00021

1.38E-19	0.046581	0.31515	0.15151	0.00102	-0.09536	0.03942	0.23663	2.30E-07
0.0177	-0.06474	0.16247	-0.07748	0.09446	-0.18991	3.62E-05	-0.08253	0.07481
5.35E-13	0.097987	0.03427	0.151525	0.00102	0.00544	0.90667	0.151947	0.00099
0.08478	-0.07587	0.10152	-0.0615	0.18459	-0.17541	0.00014	0.049034	0.29032
9.25E-10	-0.17375	0.00016	-0.11364	0.014	-0.33991	4.29E-14	0.009884	0.8313
8.53E-18	0.062248	0.17931	0.093242	0.04401	-0.0721	0.11971	0.135802	0.00328
1.07E-07	0.036129	0.43603	-0.07808	0.09191	-0.22662	7.47E-07	0.083203	0.07244
4.07E-19	0.093573	0.04326	0.023854	0.60713	0.247381	6.09E-08	-0.0114	0.80588
3.10E-08	-0.10886	0.01862	-0.09397	0.04238	-0.19544	2.11E-05	0.015884	0.73207
0.00125	-0.043	0.35379	-0.03605	0.43704	-0.17018	0.00022	0.163079	0.0004
0.00151	-0.1743	0.00015	-0.17852	0.00011	-0.36852	1.81E-16	-0.07577	0.10199
2.12E-23	0.042966	0.35422	-0.0154	0.73992	-0.17176	0.00019	0.196488	1.90E-05
0.00011	0.009193	0.84295	-0.10035	0.03014	-0.20185	1.10E-05	-0.06819	0.14117
0.00029	-0.06227	0.17914	0.025077	0.58882	-0.12465	0.007	-0.0312	0.50115
1.11E-23	0.162585	0.00042	0.056928	0.21947	-0.00608	0.89582	0.206318	6.95E-06
6.01E-11	0.033163	0.47465	0.008418	0.85603	-0.13891	0.00263	0.092645	0.04539
1.33E-16	-0.08013	0.08367	-0.0564	0.2238	-0.19657	1.88E-05	0.162119	0.00044
3.96E-09	-0.01584	0.73284	-0.08659	0.06153	0.081858	0.0772	-0.08389	0.07012
1.89E-08	0.006425	0.88987	0.008762	0.85022	0.205434	7.63E-06	-0.01079	0.81608
4.28E-16	-0.08514	0.06603	-0.06332	0.17189	-0.26315	7.76E-09	0.042921	0.35472
0.04182	-0.0893	0.05379	-0.15314	0.0009	-0.19829	1.58E-05	-0.03819	0.41029
2.67E-14	-0.12808	0.00557	-0.10619	0.02173	-0.27306	1.98E-09	0.122978	0.0078
9.34E-18	-0.01349	0.77131	0.015896	0.73189	-0.12926	0.00515	0.065507	0.15756
1.66E-21	-0.01838	0.69194	0.000537	0.99076	-0.15945	0.00054	0.156173	0.00071
3.30E-19	0.260232	1.15E-08	0.159863	0.00052	0.021671	0.64042	0.177864	0.00011
1.85E-14	0.156493	0.00069	0.196368	1.92E-05	-0.02133	0.64563	0.289326	1.86E-10
2.32E-31	0.179866	9.29E-05	0.072718	0.11657	-0.05715	0.2177	0.323534	7.69E-13
2.38E-10	-0.17945	9.65E-05	-0.0877	0.05826	-0.26392	7.00E-09	-0.02674	0.56431
2.21E-23	-0.04027	0.38526	-0.11336	0.01424	-0.2177	2.04E-06	0.166058	0.00031
0.00019	-0.07439	0.10839	-0.0637	0.16936	-0.18701	4.77E-05	0.031017	0.50372
4.39E-05	-0.1321	0.00424	-0.13532	0.00339	-0.23889	1.75E-07	0.006168	0.89425
8.53E-28	0.042969	0.35418	-0.05993	0.19606	-0.20881	5.35E-06	0.179826	9.32E-05
1.37E-06	0.04291	0.35484	-0.08197	0.07679	-0.15156	0.00102	0.186504	5.01E-05
0.0017	-0.06025	0.19372	-0.08299	0.07318	-0.24403	9.27E-08	0.026597	0.56643
1.52E-14	-0.07987	0.08469	-0.11476	0.01308	0.021503	0.64301	-0.12891	0.00527
5.33E-05	-0.06328	0.17222	0.044583	0.33638	-0.08172	0.07772	0.070443	0.12849
1.03E-08	-0.0853	0.06551	-0.07631	0.09954	-0.28709	2.60E-10	-0.02726	0.55673
2.86E-09	-0.20661	6.74E-06	-0.12199	0.00831	-0.25481	2.35E-08	-0.02758	0.55211
2.68E-12	0.027727	0.55004	0.010011	0.82917	-0.05412	0.24313	0.127715	0.00571
0.78739	-0.0072	0.87669	-0.02905	0.53112	-0.08777	0.05807	-0.07341	0.1131
1.01E-10	0.117118	0.01131	0.104086	0.02449	0.278958	8.55E-10	0.056885	0.21982
0.00083	-0.02914	0.52996	-0.00588	0.89921	-0.10631	0.02158	-0.10857	0.01893
2.84E-15	0.007168	0.87723	0.039688	0.39216	-0.14974	0.00117	0.113725	0.01393
1.20E-07	-0.12879	0.00532	-0.10499	0.02326	-0.1982	1.60E-05	0.028731	0.53569
8.33E-11	0.162338	0.00043	0.253351	2.84E-08	0.096442	0.03721	0.185269	5.63E-05

4.85E-10	0.02839	0.54055	-0.01834	0.69263	-0.00961	0.83592	-0.22293	1.14E-06
0.00032	0.296158	6.58E-11	0.330248	2.41E-13	0.459822	8.25E-26	0.367334	2.30E-16
6.78E-14	0.396591	4.85E-19	0.38981	2.14E-18	0.364312	4.19E-16	0.390991	1.65E-18
1.13E-09	0.274027	1.73E-09	0.456463	2.06E-25	0.349327	7.54E-15	0.32432	6.72E-13
0.00028	0.249268	4.80E-08	0.224264	9.79E-07	0.2313	4.33E-07	0.264724	6.27E-09
5.06E-08	0.582016	1.09E-43	0.460488	6.88E-26	0.512386	1.27E-32	0.491814	8.17E-30
0.00049	0.327447	3.92E-13	0.285396	3.34E-10	0.318991	1.66E-12	0.269047	3.47E-09
0.16892	0.158642	0.00058	0.336252	8.30E-14	0.356981	1.76E-15	0.254551	2.43E-08
0.01091	0.302645	2.39E-11	0.313474	4.16E-12	0.391138	1.60E-18	0.351453	5.05E-15
1.24E-14	0.64027	3.11E-55	0.589975	3.95E-45	0.675122	2.01E-63	0.541615	5.92E-37
0.03559	-0.16968	0.00023	-0.18544	5.54E-05	-0.22261	1.18E-06	-0.28117	6.21E-10
1.30E-19	0.205082	7.91E-06	0.279711	7.67E-10	0.259265	1.31E-08	0.322936	8.52E-13
4.25E-21	-0.25956	1.26E-08	-0.14788	0.00135	-0.23437	3.01E-07	-0.3314	1.97E-13
0.00354	0.351709	4.81E-15	0.400544	2.01E-19	0.403792	9.66E-20	0.2783	9.40E-10
1.89E-11	-0.38993	2.08E-18	-0.32268	8.89E-13	-0.44667	2.78E-24	-0.37219	8.62E-17
1.96E-31	0.411366	1.70E-20	0.345477	1.55E-14	0.382466	1.03E-17	0.582653	8.39E-44
4.10E-33	0.370285	1.27E-16	0.383498	8.25E-18	0.280566	6.78E-10	0.439473	1.79E-23
4.84E-07	-0.29202	1.24E-10	-0.30714	1.17E-11	-0.33714	7.08E-14	-0.31263	4.78E-12
2.12E-05	0.370184	1.29E-16	0.304832	1.69E-11	0.470173	4.64E-27	0.185507	5.50E-05
4.33E-37	0.426582	4.49E-22	0.439689	1.69E-23	0.42669	4.37E-22	0.597028	1.94E-46
0.00402	-0.19548	2.10E-05	-0.23965	1.59E-07	-0.29443	8.58E-11	-0.29825	4.76E-11
3.40E-09	-0.30873	9.03E-12	-0.39084	1.71E-18	-0.40929	2.75E-20	-0.33856	5.48E-14
2.05E-07	0.091094	0.04914	0.242761	1.09E-07	0.13871	0.00266	0.219544	1.67E-06
0.00028	-0.14694	0.00145	-0.10634	0.02154	-0.07365	0.11193	-0.17289	0.00017
1.98E-17	0.247715	5.84E-08	0.360863	8.26E-16	0.26821	3.89E-09	0.68606	3.13E-66
4.77E-24	-0.15714	0.00065	-0.14309	0.00194	-0.16291	0.00041	-0.31966	1.48E-12
7.36E-09	-0.07232	0.1186	-0.15817	0.0006	-0.13775	0.00285	-0.34902	7.99E-15
4.84E-28	0.448222	1.85E-24	0.459882	8.12E-26	0.474949	1.19E-27	0.575184	1.75E-42
5.34E-20	0.265767	5.44E-09	0.313358	4.24E-12	0.273802	1.78E-09	0.434671	6.04E-23
7.77E-28	0.470743	3.95E-27	0.563586	1.68E-40	0.512405	1.27E-32	0.583999	4.81E-44
4.94E-18	0.310864	6.39E-12	0.27817	9.58E-10	0.329032	2.98E-13	0.450215	1.09E-24
8.29E-19	-0.24667	6.66E-08	-0.26128	9.98E-09	-0.21579	2.52E-06	-0.51678	3.02E-33
0.0486	0.116238	0.01195	0.023346	0.6148	-0.04994	0.28152	0.036126	0.43607
1.57E-22	-0.19898	1.48E-05	-0.31196	5.34E-12	-0.25786	1.57E-08	-0.4589	1.06E-25
1.02E-14	0.295874	6.87E-11	0.258411	1.46E-08	0.230993	4.49E-07	0.367948	2.03E-16
0.14965	0.368988	1.65E-16	0.346972	1.17E-14	0.465958	1.52E-26	0.244643	8.59E-08
1.26E-19	0.637784	1.09E-54	0.557581	1.66E-39	0.615222	5.66E-50	0.560871	4.76E-40
5.23E-05	-0.08601	0.06328	-0.23061	4.70E-07	-0.30437	1.82E-11	-0.31375	3.98E-12
8.56E-11	0.369515	1.48E-16	0.426908	4.15E-22	0.463159	3.30E-26	0.483471	9.94E-29
0.02107	-0.2244	9.64E-07	-0.16438	0.00036	-0.25767	1.61E-08	-0.1481	0.00133
4.59E-09	-0.02607	0.57411	-0.0245	0.59747	-0.03961	0.39315	0.252106	3.33E-08
0.00632	-0.3843	6.96E-18	-0.39949	2.54E-19	-0.45346	4.61E-25	-0.3427	2.58E-14
0.00029	0.165758	0.00032	-0.03247	0.48397	-0.08331	0.07207	-0.1709	0.00021
0.20668	0.216935	2.22E-06	0.257689	1.61E-08	0.385319	5.60E-18	0.199926	1.34E-05
0.16489	0.253868	2.65E-08	0.17657	0.00013	0.359401	1.10E-15	0.271892	2.33E-09

5.11E-05	0.347909	9.83E-15	0.39043	1.87E-18	0.491283	9.60E-30	0.406907	4.75E-20
0.00575	-0.13215	0.00423	-0.1498	0.00117	-0.22565	8.35E-07	-0.31724	2.23E-12
4.75E-06	0.252432	3.20E-08	0.332548	1.60E-13	0.330719	2.21E-13	0.262303	8.70E-09
6.72E-08	0.399917	2.31E-19	0.427559	3.54E-22	0.465971	1.51E-26	0.460021	7.82E-26
4.94E-19	-0.26466	6.33E-09	-0.25104	3.82E-08	-0.23317	3.47E-07	-0.39117	1.59E-18
3.07E-10	0.221167	1.39E-06	0.02898	0.53215	0.187188	4.69E-05	0.324664	6.34E-13
4.42E-18	-0.33837	5.67E-14	-0.32467	6.33E-13	-0.3153	3.08E-12	-0.44195	9.46E-24
2.09E-21	0.352859	3.87E-15	0.408046	3.66E-20	0.433808	7.50E-23	0.438655	2.20E-23
2.44E-05	0.288039	2.26E-10	0.376364	3.66E-17	0.267782	4.13E-09	0.303936	1.95E-11
9.14E-09	0.312182	5.15E-12	0.427207	3.85E-22	0.311304	5.94E-12	0.37651	3.55E-17
1.05E-07	-0.01223	0.79211	-0.09799	0.03426	-0.09264	0.04539	-0.24315	1.03E-07
1.39E-11	-0.32893	3.03E-13	-0.23729	2.12E-07	-0.31446	3.54E-12	-0.44482	4.51E-24
2.30E-14	-0.32362	7.58E-13	-0.30225	2.55E-11	-0.34755	1.05E-14	-0.47083	3.85E-27
0.00254	-0.14391	0.00182	-0.20663	6.73E-06	-0.28203	5.48E-10	-0.37339	6.75E-17
1.57E-11	0.385268	5.66E-18	0.376343	3.68E-17	0.48617	4.46E-29	0.356356	1.98E-15
7.92E-27	-0.27229	2.21E-09	-0.323	8.43E-13	-0.30399	1.93E-11	-0.48059	2.32E-28
2.25E-06	0.287051	2.61E-10	0.263515	7.39E-09	0.394852	7.12E-19	0.293899	9.31E-11
1.65E-24	-0.34383	2.10E-14	-0.41754	3.98E-21	-0.33419	1.20E-13	-0.50826	4.82E-32
2.93E-10	-0.28644	2.86E-10	-0.24307	1.05E-07	-0.14887	0.00125	-0.36329	5.13E-16
2.53E-19	0.315555	2.95E-12	0.303056	2.24E-11	0.34772	1.02E-14	0.446036	3.28E-24
2.78E-24	0.46726	1.05E-26	0.545792	1.31E-37	0.484276	7.84E-29	0.548664	4.60E-38
0.16316	0.252588	3.13E-08	0.280451	6.89E-10	0.454078	3.91E-25	0.191075	3.23E-05
3.23E-06	-0.12715	0.00593	0.020842	0.65326	0.035333	0.44622	-0.19272	2.75E-05
0.48115	-0.29711	5.68E-11	-0.26868	3.64E-09	-0.36605	2.97E-16	-0.18529	5.62E-05
3.62E-15	0.153602	0.00087	0.277174	1.10E-09	0.214936	2.77E-06	0.342544	2.65E-14
2.53E-18	0.400785	1.90E-19	0.46371	2.83E-26	0.438036	2.58E-23	0.450475	1.02E-24
2.12E-09	0.240409	1.45E-07	0.14331	0.0019	0.223987	1.01E-06	0.292818	1.10E-10
3.76E-16	-0.17611	0.00013	-0.19226	2.88E-05	-0.21862	1.85E-06	-0.30891	8.77E-12
8.66E-34	-0.36928	1.55E-16	-0.35517	2.49E-15	-0.37113	1.07E-16	-0.64422	4.14E-56
4.22E-23	0.304782	1.70E-11	0.20847	5.55E-06	0.230415	4.81E-07	0.463485	3.01E-26
1.11E-16	0.210398	4.52E-06	0.266717	4.78E-09	0.208476	5.54E-06	0.340281	4.01E-14
6.58E-14	0.397534	3.93E-19	0.436321	3.98E-23	0.423324	9.93E-22	0.44477	4.56E-24
6.99E-16	0.377976	2.62E-17	0.417355	4.15E-21	0.427111	3.95E-22	0.51457	6.25E-33
8.79E-27	0.266238	5.10E-09	0.288963	1.96E-10	0.27275	2.07E-09	0.352088	4.48E-15
0.00104	-0.18101	8.36E-05	-0.26823	3.88E-09	-0.31591	2.78E-12	-0.29631	6.43E-11
0.00272	-0.06787	0.14309	0.13659	0.0031	0.058024	0.21071	0.223906	1.02E-06
3.25E-16	0.56794	3.09E-41	0.596225	2.74E-46	0.602443	1.81E-47	0.527865	7.30E-35
0.01138	0.131017	0.00457	0.304245	1.85E-11	0.399849	2.35E-19	0.177211	0.00012
8.09E-05	0.373341	6.82E-17	0.334322	1.17E-13	0.427641	3.46E-22	0.359627	1.05E-15
1.12E-06	-0.05713	0.21787	-0.23117	4.40E-07	-0.351	5.50E-15	-0.124	0.0073
0.0078	0.174779	0.00015	0.188408	4.18E-05	0.265357	5.75E-09	0.267098	4.53E-09
1.35E-10	0.439491	1.78E-23	0.366945	2.48E-16	0.41128	1.73E-20	0.499101	8.70E-31
1.16E-14	0.29104	1.44E-10	0.417914	3.64E-21	0.41394	9.30E-21	0.347942	9.77E-15
0.29904	-0.04927	0.28803	-0.11522	0.01272	-0.10893	0.01854	-0.22003	1.58E-06
1.07E-06	0.233439	3.36E-07	0.190771	3.33E-05	0.237099	2.17E-07	0.372728	7.73E-17

1.27E-18	0.325342	5.64E-13	0.384446	6.75E-18	0.368227	1.92E-16	0.512634	1.18E-32
3.43E-11	0.413213	1.10E-20	0.323954	7.16E-13	0.417552	3.96E-21	0.323823	7.32E-13
0.00096	0.164701	0.00035	0.215467	2.61E-06	0.18085	8.49E-05	0.291447	1.35E-10
0.00054	-0.12707	0.00596	-0.19325	2.62E-05	-0.27278	2.06E-09	-0.29081	1.49E-10
3.34E-11	-0.13822	0.00276	-0.17289	0.00017	-0.10151	0.02827	-0.32559	5.40E-13
0.00943	0.150866	0.00107	0.184073	6.30E-05	0.241341	1.29E-07	0.281466	5.95E-10
0.63921	0.227948	6.41E-07	0.170001	0.00022	0.282437	5.16E-10	0.198488	1.55E-05
0.10735	0.419583	2.44E-21	0.376203	3.79E-17	0.435724	4.63E-23	0.413694	9.85E-21
7.67E-20	0.204763	8.18E-06	0.213853	3.12E-06	0.170469	0.00021	0.370829	1.14E-16
4.97E-06	-0.23646	2.34E-07	-0.15709	0.00066	-0.15705	0.00066	-0.24881	5.08E-08
0.00098	0.225537	8.46E-07	0.289529	1.80E-10	0.330582	2.27E-13	0.21451	2.90E-06
0.09397	0.306119	1.37E-11	0.293122	1.05E-10	0.440798	1.27E-23	0.308351	9.60E-12
0.00081	0.251704	3.51E-08	0.365821	3.11E-16	0.347468	1.07E-14	0.378066	2.58E-17
1.15E-10	0.357374	1.63E-15	0.511598	1.65E-32	0.49454	3.56E-30	0.527146	9.33E-35
0.00049	0.272989	2.00E-09	0.40445	8.32E-20	0.522573	4.39E-34	0.352828	3.89E-15
1.17E-50	0.449855	1.20E-24	0.531578	2.03E-35	0.480077	2.69E-28	0.664189	9.80E-61
1.93E-10	0.091413	0.04835	0.234004	3.15E-07	0.214517	2.90E-06	0.288286	2.17E-10
1.38E-11	0.152234	0.00097	0.363532	4.89E-16	0.302088	2.61E-11	0.422566	1.19E-21
1.57E-15	0.473616	1.74E-27	0.490848	1.10E-29	0.519328	1.30E-33	0.463193	3.27E-26
3.67E-06	0.162076	0.00044	0.365114	3.58E-16	0.292785	1.10E-10	0.353548	3.39E-15
3.05E-31	-0.45754	1.53E-25	-0.40661	5.08E-20	-0.4147	7.78E-21	-0.53091	2.56E-35
1.47E-15	0.327045	4.20E-13	0.155725	0.00073	0.139588	0.0025	0.347952	9.76E-15
3.46E-10	-0.09898	0.03247	-0.05389	0.24513	-0.1363	0.00316	-0.32805	3.53E-13
9.62E-12	0.151495	0.00102	0.08618	0.06277	0.186257	5.13E-05	0.305981	1.41E-11
3.44E-07	0.427383	3.69E-22	0.287576	2.42E-10	0.295243	7.58E-11	0.335631	9.28E-14
0.55408	0.447436	2.27E-24	0.384981	6.02E-18	0.436053	4.26E-23	0.296637	6.11E-11
0.00047	0.268866	3.55E-09	0.166261	0.00031	0.256614	1.85E-08	0.284844	3.63E-10
4.67E-16	0.274754	1.56E-09	0.416715	4.83E-21	0.383682	7.93E-18	0.395669	5.94E-19
0.00017	0.149072	0.00123	0.175102	0.00014	0.119987	0.00945	0.310327	6.97E-12
1.93E-08	0.283277	4.56E-10	0.377476	2.91E-17	0.381608	1.23E-17	0.379934	1.74E-17
6.04E-10	0.043757	0.34541	0.134036	0.00371	0.045897	0.32232	0.253956	2.62E-08
1.02E-07	0.173925	0.00016	0.302705	2.37E-11	0.376091	3.88E-17	0.365159	3.54E-16
0.00907	-0.06035	0.19298	-0.20112	1.19E-05	-0.15313	0.0009	-0.12556	0.00659
9.15E-23	0.391018	1.65E-18	0.519189	1.36E-33	0.466885	1.17E-26	0.505089	1.33E-31
0.24485	-0.05899	0.20318	-0.16983	0.00023	-0.16533	0.00033	-0.35091	5.60E-15
4.49E-15	-0.07075	0.12684	-0.09772	0.03477	-0.07485	0.1062	-0.297	5.77E-11
1.76E-19	0.394082	8.43E-19	0.496172	2.15E-30	0.465236	1.85E-26	0.461124	5.78E-26
1.71E-15	-0.40991	2.38E-20	-0.24914	4.87E-08	-0.29033	1.60E-10	-0.40607	5.75E-20
1.60E-06	0.261377	9.85E-09	0.263218	7.69E-09	0.308368	9.57E-12	0.228516	6.00E-07
2.94E-23	-0.25504	2.28E-08	-0.29298	1.07E-10	-0.23495	2.81E-07	-0.40912	2.86E-20
1.58E-21	-0.32582	5.20E-13	-0.33034	2.37E-13	-0.35386	3.19E-15	-0.46203	4.50E-26
0.00012	0.432311	1.09E-22	0.436816	3.51E-23	0.429208	2.36E-22	0.334674	1.10E-13
8.00E-19	-0.32973	2.63E-13	-0.25549	2.15E-08	-0.28195	5.54E-10	-0.37955	1.89E-17
9.77E-36	0.41466	7.85E-21	0.444796	4.53E-24	0.416887	4.64E-21	0.553678	7.20E-39
9.93E-19	-0.2023	1.05E-05	-0.11503	0.01286	-0.14873	0.00127	-0.28829	2.17E-10

0.0003	0.13275	0.00406	0.224495	9.53E-07	0.228314	6.14E-07	0.298032	4.92E-11
7.98E-06	0.317916	1.99E-12	0.31494	3.27E-12	0.250873	3.91E-08	0.248957	4.99E-08
0.21757	0.083684	0.0708	0.044557	0.33666	0.134756	0.00353	0.403076	1.14E-19
0.316	0.00351	0.93969	-0.15246	0.00095	-0.25115	3.77E-08	-0.1474	0.0014
0.00057	-0.2071	6.41E-06	-0.16073	0.00049	-0.2079	5.89E-06	-0.19659	1.88E-05
3.33E-12	-0.17893	0.0001	-0.22593	8.08E-07	-0.23732	2.11E-07	-0.4412	1.15E-23
0.0039	0.225055	8.94E-07	0.24769	5.86E-08	0.292428	1.16E-10	0.289438	1.83E-10
0.00054	0.149085	0.00123	0.194254	2.37E-05	0.268577	3.70E-09	0.231507	4.23E-07
0.09795	0.20378	9.06E-06	0.315234	3.11E-12	0.408866	3.03E-20	0.235647	2.58E-07
0.03104	0.151468	0.00103	0.305338	1.56E-11	0.298505	4.57E-11	0.194987	2.20E-05
0.12534	0.159115	0.00056	0.233134	3.49E-07	0.265567	5.59E-09	0.213636	3.19E-06
1.17E-08	0.319675	1.48E-12	0.324525	6.49E-13	0.370996	1.10E-16	0.396666	4.77E-19
9.94E-20	0.419858	2.29E-21	0.516079	3.81E-33	0.487144	3.34E-29	0.479985	2.77E-28
0.09059	-0.08329	0.07214	0.099545	0.03149	0.052979	0.2532	0.152724	0.00093
2.36E-18	0.127426	0.00582	-0.00893	0.84729	-0.10142	0.02842	0.142225	0.00206
0.15971	0.198966	1.48E-05	0.205508	7.57E-06	0.248964	4.99E-08	0.304579	1.76E-11
1.46E-15	0.344847	1.74E-14	0.39174	1.41E-18	0.42286	1.11E-21	0.454	3.99E-25
0.8216	-0.08008	0.08387	-0.08444	0.06827	-0.20289	9.92E-06	-0.19634	1.93E-05
3.66E-17	0.257446	1.66E-08	0.304277	1.84E-11	0.273049	1.98E-09	0.328829	3.08E-13
3.69E-12	-0.1929	2.71E-05	-0.32626	4.81E-13	-0.33553	9.44E-14	-0.12773	0.0057
2.36E-14	-0.24073	1.39E-07	-0.30402	1.92E-11	-0.28965	1.77E-10	-0.45863	1.14E-25
1.06E-14	0.488823	2.02E-29	0.470562	4.16E-27	0.556479	2.52E-39	0.546935	8.66E-38
7.68E-10	0.410802	1.93E-20	0.419643	2.41E-21	0.485445	5.54E-29	0.414133	8.89E-21
7.39E-07	0.324118	6.96E-13	0.341395	3.27E-14	0.442684	7.84E-24	0.451498	7.78E-25
4.24E-11	-0.04351	0.3481	-0.05936	0.2004	-0.06265	0.17652	-0.11933	0.00985
0.00019	0.049388	0.28685	0.246944	6.44E-08	0.188209	4.26E-05	0.355881	2.17E-15
2.67E-14	0.182473	7.31E-05	0.32944	2.77E-13	0.262295	8.71E-09	0.405578	6.44E-20
0.00262	-0.15955	0.00054	-0.22926	5.50E-07	-0.36487	3.75E-16	-0.17063	0.00021
1.53E-12	-0.38542	5.48E-18	-0.34242	2.71E-14	-0.37475	5.11E-17	-0.4724	2.47E-27
3.90E-06	0.35869	1.26E-15	0.343327	2.30E-14	0.435221	5.26E-23	0.349456	7.36E-15
0.02466	-0.28749	2.45E-10	-0.33683	7.48E-14	-0.29459	8.37E-11	-0.22465	9.37E-07
2.70E-19	0.384789	6.27E-18	0.38006	1.70E-17	0.355769	2.22E-15	0.714302	4.34E-74
3.60E-09	-0.21353	3.23E-06	-0.26451	6.46E-09	-0.25919	1.32E-08	-0.02991	0.51902
2.54E-18	-0.27192	2.32E-09	-0.27935	8.08E-10	-0.27804	9.76E-10	-0.10847	0.01904
3.49E-05	0.353234	3.60E-15	0.364286	4.21E-16	0.456263	2.17E-25	0.508335	4.71E-32
5.48E-08	-0.19234	2.86E-05	-0.24043	1.45E-07	-0.22429	9.76E-07	-0.23767	2.03E-07
0.31123	-0.02387	0.60695	-0.14061	0.00232	-0.16097	0.00048	0.045019	0.33167
6.97E-08	0.067873	0.14305	-0.06577	0.15591	-0.06851	0.13932	-0.23547	2.64E-07
0.00382	0.299094	4.17E-11	0.353896	3.17E-15	0.351936	4.61E-15	0.407296	4.34E-20
1.21E-25	0.138241	0.00276	0.204908	8.06E-06	0.093978	0.04236	0.466044	1.48E-26
3.71E-06	0.506769	7.77E-32	0.432019	1.17E-22	0.482045	1.51E-28	0.429116	2.41E-22
4.05E-22	0.363291	5.13E-16	0.324133	6.94E-13	0.358672	1.27E-15	0.53287	1.30E-35
7.41E-13	-0.00711	0.87821	0.174985	0.00014	0.115928	0.01218	0.314433	3.55E-12
0.4117	-0.41124	1.75E-20	-0.28964	1.77E-10	-0.39074	1.75E-18	-0.2436	9.79E-08
2.27E-12	0.126662	0.00613	0.100022	0.03069	0.079984	0.08424	-0.15932	0.00055

1.20E-07	0.260947	1.04E-08	0.366117	2.93E-16	0.312406	4.96E-12	0.268662	3.66E-09
1.15E-29	0.397062	4.37E-19	0.507433	6.29E-32	0.475429	1.04E-27	0.609051	9.49E-49
2.56E-29	-0.2333	3.42E-07	-0.23519	2.73E-07	-0.21299	3.42E-06	-0.42714	3.92E-22
2.01E-07	0.179549	9.56E-05	0.158092	0.00061	0.158125	0.0006	0.291224	1.40E-10
1.27E-07	0.263978	6.94E-09	0.265093	5.96E-09	0.221388	1.36E-06	0.307717	1.06E-11
0.00264	0.2125	3.61E-06	0.328199	3.44E-13	0.299063	4.19E-11	0.332749	1.55E-13
4.38E-12	-0.29959	3.86E-11	-0.19895	1.48E-05	-0.28768	2.38E-10	-0.33373	1.30E-13
4.13E-23	-0.40998	2.34E-20	-0.26843	3.77E-09	-0.1283	0.00549	-0.50858	4.35E-32
0.01623	0.309843	7.54E-12	0.323499	7.74E-13	0.334555	1.12E-13	0.359613	1.05E-15
1.82E-16	0.410997	1.85E-20	0.350234	6.36E-15	0.378993	2.12E-17	0.519595	1.19E-33
0.53504	-0.10424	0.02427	-0.07634	0.09939	-0.20016	1.31E-05	-0.17025	0.00022
8.19E-12	0.043384	0.34955	-0.06984	0.13182	-0.00676	0.88415	0.009274	0.84158
9.38E-06	-0.17907	9.99E-05	-0.20124	1.18E-05	-0.25992	1.20E-08	-0.38862	2.76E-18
0.89964	-0.18288	7.04E-05	-0.06645	0.15166	-0.13921	0.00257	-0.17551	0.00014
2.39E-07	-0.32452	6.50E-13	-0.40664	5.05E-20	-0.44144	1.08E-23	-0.34741	1.08E-14
2.86E-20	0.506174	9.39E-32	0.49632	2.06E-30	0.533936	8.95E-36	0.576986	8.46E-43
0.00564	0.287619	2.40E-10	0.263751	7.16E-09	0.356527	1.92E-15	0.367252	2.33E-16
9.13E-21	0.280063	7.29E-10	0.410543	2.05E-20	0.351642	4.87E-15	0.422066	1.35E-21
2.60E-08	0.200455	1.27E-05	0.32673	4.44E-13	0.269654	3.19E-09	0.259411	1.28E-08
2.47E-06	0.257998	1.55E-08	0.34037	3.95E-14	0.264618	6.36E-09	0.261927	9.15E-09
0.0296	0.244643	8.59E-08	0.350887	5.62E-15	0.356447	1.95E-15	0.14346	0.00188
4.31E-16	0.396229	5.25E-19	0.342684	2.59E-14	0.385711	5.15E-18	0.372418	8.23E-17
0.0074	-0.20581	7.33E-06	-0.20974	4.84E-06	-0.23647	2.34E-07	-0.29283	1.09E-10
0.00743	0.181714	7.84E-05	0.220024	1.58E-06	0.28262	5.03E-10	0.201053	1.20E-05
0.06585	0.170231	0.00022	0.151659	0.00101	0.239528	1.62E-07	0.186258	5.13E-05
2.45E-10	0.386716	4.16E-18	0.358652	1.27E-15	0.396432	5.02E-19	0.542043	5.08E-37
1.86E-12	-0.08595	0.06349	-0.10585	0.02215	-0.09424	0.04179	-0.2854	3.34E-10
0.9269	-0.10595	0.02202	-0.04575	0.32391	-0.14007	0.00242	-0.22922	5.53E-07
7.30E-08	-0.00854	0.85398	-0.13574	0.00329	-0.08676	0.061	-0.26752	4.28E-09
2.16E-05	0.429622	2.13E-22	0.435002	5.56E-23	0.55545	3.71E-39	0.379847	1.78E-17
1.85E-19	0.305196	1.59E-11	0.277347	1.08E-09	0.278635	8.96E-10	0.353043	3.74E-15
0.54774	0.387555	3.47E-18	0.369168	1.59E-16	0.433353	8.40E-23	0.209725	4.85E-06
3.95E-19	0.256372	1.91E-08	0.313357	4.24E-12	0.208603	5.47E-06	0.429181	2.37E-22
0.18006	0.338362	5.68E-14	0.300237	3.49E-11	0.332953	1.49E-13	0.09195	0.04704
7.30E-05	-0.16365	0.00038	-0.1378	0.00284	-0.2	1.33E-05	-0.24699	6.40E-08
1.98E-27	0.431248	1.42E-22	0.448395	1.77E-24	0.386715	4.16E-18	0.548624	4.67E-38
0.42126	0.286922	2.66E-10	0.300374	3.42E-11	0.462024	4.51E-26	0.273993	1.74E-09
6.77E-18	0.188205	4.26E-05	0.212578	3.58E-06	0.235963	2.49E-07	0.435696	4.66E-23
0.00083	0.133745	0.00379	0.26217	8.86E-09	0.316863	2.37E-12	0.293997	9.17E-11
1.09E-17	0.274762	1.56E-09	0.302489	2.45E-11	0.326453	4.66E-13	0.435335	5.11E-23
1.53E-26	0.211976	3.82E-06	0.14847	0.00129	0.047502	0.30567	0.366832	2.54E-16
0.0007	0.413409	1.05E-20	0.434236	6.73E-23	0.514423	6.56E-33	0.344052	2.01E-14
2.93E-08	-0.07906	0.0879	-0.097	0.03613	-0.15694	0.00067	-0.29991	3.67E-11
1.92E-16	-0.23049	4.76E-07	-0.1989	1.49E-05	-0.24574	7.49E-08	-0.39146	1.49E-18
0.00019	-0.32917	2.91E-13	-0.35903	1.18E-15	-0.39175	1.40E-18	-0.36799	2.02E-16

0.02787	-0.04233	0.36137	-0.16926	0.00024	-0.17664	0.00012	-0.25707	1.75E-08
1.46E-06	0.174782	0.00015	0.19568	2.06E-05	0.242754	1.09E-07	0.370228	1.28E-16
9.68E-22	0.39157	1.46E-18	0.471413	3.27E-27	0.468096	8.34E-27	0.522116	5.12E-34
3.86E-14	-0.40638	5.36E-20	-0.38046	1.56E-17	-0.42355	9.40E-22	-0.45912	1.00E-25
3.67E-09	-0.30905	8.57E-12	-0.14999	0.00115	-0.24372	9.64E-08	-0.32529	5.69E-13
0.00042	0.372939	7.40E-17	0.375653	4.24E-17	0.468572	7.29E-27	0.385469	5.43E-18
1.06E-10	-0.07598	0.10102	-0.16312	0.0004	-0.12336	0.00761	-0.33881	5.24E-14
2.10E-10	0.277002	1.13E-09	0.3892	2.44E-18	0.328908	3.04E-13	0.221412	1.35E-06
4.40E-29	0.386559	4.30E-18	0.418168	3.42E-21	0.332557	1.60E-13	0.571616	7.26E-42
4.57E-22	-0.35776	1.51E-15	-0.27237	2.18E-09	-0.28639	2.88E-10	-0.5711	8.90E-42
9.23E-26	-0.087	0.0603	-0.17666	0.00012	-0.08192	0.07699	-0.39793	3.60E-19
7.70E-11	0.510304	2.50E-32	0.459439	9.16E-26	0.495861	2.37E-30	0.432166	1.13E-22
0.00025	0.271149	2.59E-09	0.28688	2.68E-10	0.397812	3.70E-19	0.332321	1.67E-13
4.33E-28	0.416919	4.61E-21	0.498331	1.11E-30	0.477605	5.53E-28	0.62695	2.24E-52
9.77E-25	0.413271	1.09E-20	0.451496	7.79E-25	0.426295	4.82E-22	0.593636	8.34E-46
4.98E-19	0.46927	5.99E-27	0.528312	6.26E-35	0.538329	1.91E-36	0.544844	1.85E-37
6.28E-38	0.316923	2.35E-12	0.471931	2.82E-27	0.408933	2.98E-20	0.504034	1.85E-31
1.79E-22	0.360337	9.16E-16	0.419418	2.54E-21	0.392769	1.12E-18	0.656985	5.03E-59
6.08E-12	0.218979	1.77E-06	0.34072	3.70E-14	0.302235	2.55E-11	0.420069	2.17E-21
9.06E-14	0.579578	2.96E-43	0.591638	1.95E-45	0.600929	3.53E-47	0.536394	3.78E-36
6.65E-27	0.287565	2.42E-10	0.34718	1.13E-14	0.185319	5.60E-05	0.445202	4.08E-24
0.00029	0.243462	9.96E-08	0.37935	1.97E-17	0.268497	3.74E-09	0.309701	7.72E-12
0.69011	0.077502	0.09436	0.099903	0.03089	0.180909	8.44E-05	0.171259	0.0002
0.00867	-0.12028	0.00927	-0.15695	0.00066	-0.2207	1.46E-06	-0.23756	2.05E-07
2.95E-14	0.33149	1.93E-13	0.599467	6.70E-47	0.480187	2.61E-28	0.40215	1.40E-19
9.96E-19	0.515524	4.57E-33	0.494543	3.55E-30	0.43801	2.60E-23	0.48421	7.99E-29
7.15E-29	0.404252	8.70E-20	0.66182	3.62E-60	0.510555	2.31E-32	0.442828	7.55E-24
0.00018	0.330417	2.34E-13	0.367884	2.06E-16	0.370639	1.18E-16	0.308265	9.74E-12
4.93E-13	0.290142	1.65E-10	0.459714	8.50E-26	0.432957	9.28E-23	0.4472	2.42E-24
1.64E-06	0.534053	8.60E-36	0.677449	5.20E-64	0.54329	3.24E-37	0.372491	8.11E-17
3.12E-07	0.293294	1.02E-10	0.387497	3.52E-18	0.407134	4.51E-20	0.383944	7.50E-18
2.89E-06	0.285361	3.36E-10	0.365696	3.18E-16	0.354514	2.82E-15	0.392741	1.13E-18
1.49E-11	0.327824	3.67E-13	0.391438	1.50E-18	0.391109	1.61E-18	0.465697	1.63E-26
6.78E-16	0.380091	1.69E-17	0.72528	2.08E-77	0.550212	2.60E-38	0.510575	2.29E-32
1.84E-13	0.457796	1.43E-25	0.749713	2.08E-85	0.569866	1.45E-41	0.513883	7.82E-33
6.90E-14	0.35572	2.24E-15	0.49698	1.68E-30	0.394697	7.36E-19	0.390127	2.00E-18
6.22E-14	0.44328	6.72E-24	0.549806	3.02E-38	0.42496	6.67E-22	0.467452	9.99E-27
1.64E-15	0.522349	4.74E-34	0.566691	5.03E-41	0.544276	2.27E-37	0.508997	3.81E-32
1.90E-09	0.375258	4.60E-17	0.471143	3.53E-27	0.439193	1.92E-23	0.436075	4.24E-23
1.61E-16	0.3543	2.94E-15	0.513114	1.01E-32	0.475982	8.84E-28	0.456745	1.91E-25
0.00156	0.218935	1.78E-06	0.374609	5.26E-17	0.399647	2.46E-19	0.217422	2.11E-06
1.61E-08	0.35319	3.63E-15	0.425826	5.40E-22	0.444627	4.74E-24	0.4462	3.14E-24
0.75249	0.339662	4.49E-14	0.355667	2.26E-15	0.531307	2.23E-35	0.200796	1.23E-05
4.76E-07	0.200127	1.32E-05	0.492919	5.84E-30	0.300818	3.19E-11	0.304193	1.87E-11
3.11E-14	0.478869	3.83E-28	0.674669	2.61E-63	0.540566	8.62E-37	0.527534	8.17E-35



0.20745	0.171781	0.00019	0.30859	9.24E-12	0.240698	1.40E-07	0.227556	6.71E-07
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1.60E-13	0.337826	6.26E-14	0.54659	9.82E-38	0.484254	7.89E-29	0.510797	2.13E-32
3.64E-14	0.508681	4.21E-32	0.61765	1.83E-50	0.552168	1.26E-38	0.473403	1.85E-27
0.00085	0.270196	2.96E-09	0.567108	4.28E-41	0.420355	2.03E-21	0.325522	5.47E-13
5.73E-20	0.484576	7.17E-29	0.429056	2.45E-22	0.410199	2.22E-20	0.533406	1.08E-35
1.10E-23	0.452451	6.04E-25	0.716928	7.21E-75	0.542123	4.94E-37	0.582765	8.01E-44
2.55E-23	-0.21867	1.84E-06	-0.11957	0.0097	-0.17344	0.00017	-0.41135	1.70E-20
0.00132	0.056585	0.22227	0.104696	0.02366	0.110957	0.01645	0.267443	4.32E-09
7.04E-09	0.508023	5.21E-32	0.498612	1.01E-30	0.500262	6.06E-31	0.465739	1.61E-26
0.07126	0.188428	4.17E-05	0.144264	0.00177	0.255086	2.27E-08	0.083542	0.07128
0.15506	-0.01158	0.80283	-0.04549	0.32666	-0.00471	0.91916	0.023208	0.6169
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5.01E-07	-0.01803	0.69749	-0.0443	0.33946	0.022918	0.6213	-0.10343	0.0254
0.10836	0.069702	0.13257	0.013965	0.76342	0.133061	0.00397	-0.00559	0.9041
0.63698	-0.01951	0.67405	-0.08803	0.05732	-0.03732	0.42102	0.000104	0.99821
0.1471	0.068977	0.13665	0.043157	0.35208	0.106467	0.02138	0.057134	0.21781
0.06569	0.100895	0.02925	-0.00153	0.97373	0.097522	0.03513	-0.04591	0.32217
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0.79832	0.408249	3.49E-20	0.262603	8.36E-09	0.310617	6.65E-12	0.153761	0.00086
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0.44356	-0.00924	0.84211	0.044615	0.33603	0.046443	0.31658	-0.01974	0.67044
0.5191	0.069762	0.13223	0.078388	0.09064	0.103075	0.02592	0.013417	0.77244
0.03513	0.040857	0.37836	0.040537	0.3821	0.076061	0.10066	0.013316	0.77411
0.04546	0.217693	2.05E-06	0.103085	0.0259	0.222129	1.25E-06	0.17255	0.00018
0.12074	0.005758	0.90124	0.022872	0.62201	0.052772	0.25506	-0.0036	0.9382
7.64E-05	0.023989	0.60509	0.137216	0.00296	0.205688	7.43E-06	0.02108	0.64957
0.7253	0.079323	0.08684	0.101277	0.02864	0.096932	0.03626	0.066653	0.1504
0.88233	0.09071	0.05011	0.066441	0.15171	0.090504	0.05063	0.077026	0.0964
0.71428	0.12482	0.00692	0.045275	0.32893	0.123479	0.00755	0.099314	0.03189
0.16456	0.100625	0.02969	0.080469	0.08237	0.121486	0.00859	0.059321	0.20067
0.62723	0.03513	0.44884	0.129336	0.00512	0.117677	0.01093	0.200009	1.33E-05
0.54231	0.001986	0.96586	0.00818	0.86005	0.050172	0.27925	0.00866	0.85194
0.31137	0.149009	0.00124	0.137439	0.00292	0.260377	1.13E-08	0.098686	0.033
0.16021	0.177462	0.00012	0.148153	0.00132	0.184033	6.32E-05	0.106771	0.02101
0.6272	0.02465	0.59518	-0.04206	0.36443	-0.01525	0.74242	-0.03505	0.44985
0.00835	0.209772	4.83E-06	0.184649	5.97E-05	0.230615	4.70E-07	0.214498	2.90E-06
8.13E-07	0.212131	3.75E-06	0.299958	3.65E-11	0.277583	1.04E-09	0.276855	1.16E-09
0.42666	0.077236	0.0955	0.063197	0.17275	0.069273	0.13497	0.066477	0.15148
0.63355	0.061123	0.18731	0.060867	0.18917	0.111561	0.01587	0.084888	0.06683
0.72508	0.090448	0.05078	-0.00774	0.86758	0.017927	0.69921	0.086574	0.06157
0.0177	0.027071	0.55952	0.038074	0.41172	0.064854	0.16174	-0.04839	0.29674
0.15839	-0.02982	0.52036	-0.01669	0.71911	0.041695	0.36865	0.004965	0.91479

0.07408	0.183613	6.57E-05	0.167235	0.00028	0.306672	1.26E-11	0.073992	0.11029
0.0001	-0.01731	0.70906	-0.03499	0.45065	0.030525	0.51052	-0.0635	0.17071
0.48552	0.038629	0.40493	0.095858	0.03838	0.130672	0.00468	0.010018	0.82906
0.36114	0.099006	0.03243	0.109137	0.01831	0.14208	0.00209	0.110444	0.01696
0.83516	0.067667	0.14428	0.096392	0.03731	0.113243	0.01434	0.098872	0.03267
0.41978	0.048916	0.29148	0.007323	0.87459	0.08045	0.08244	0.111657	0.01578
0.02045	0.020679	0.65579	0.037378	0.42032	0.0995	0.03157	-0.02111	0.64902
8.12E-07	0.068158	0.14138	0.084085	0.06946	0.215434	2.62E-06	-0.05813	0.2099
0.00949	-0.0079	0.86485	-0.00568	0.90256	0.045569	0.3258	-0.02398	0.60516
0.01271	0.03031	0.51349	0.021534	0.64254	0.077339	0.09505	-0.01287	0.78151
0.00482	-0.12219	0.00821	-0.03712	0.42356	-0.01809	0.69655	-0.06492	0.16133
0.0177	0.215844	2.51E-06	0.133997	0.00372	0.182594	7.23E-05	0.151431	0.00103
0.20639	0.049826	0.28258	0.026876	0.56236	0.051633	0.26548	0.004472	0.92322
0.97835	0.069324	0.13468	-0.00596	0.89778	-0.00314	0.946	0.041637	0.36932
0.01869	0.010723	0.81723	0.031614	0.49554	0.075351	0.10389	0.008873	0.84835
0.02428	-0.00444	0.92368	-0.02541	0.58382	0.062558	0.17715	0.002654	0.95438
0.87967	0.130914	0.0046	0.17049	0.00021	0.158253	0.0006	0.161018	0.00048
0.00997	0.09322	0.04406	0.130927	0.0046	0.234383	3.01E-07	0.003823	0.93433
0.59984	-0.09507	0.04002	-0.099	0.03244	-0.06132	0.18592	-0.01657	0.72101
0.00134	0.134276	0.00365	0.141395	0.00219	0.198986	1.48E-05	0.199978	1.34E-05
0.17782	0.241895	1.21E-07	0.208404	5.58E-06	0.266116	5.19E-09	0.141119	0.00224
0.00017	0.151542	0.00102	0.133269	0.00391	0.152111	0.00098	0.059006	0.20308
0.72302	0.005321	0.9087	-0.01556	0.73732	0.028368	0.54086	-0.00633	0.8914
0.3912	0.013268	0.77491	-0.02216	0.63292	0.011546	0.80348	-0.02926	0.52821
0.01083	0.135949	0.00324	0.002644	0.95456	0.111401	0.01602	0.021324	0.64578
0.99352	0.038444	0.40719	0.063382	0.1715	0.077318	0.09514	0.07157	0.12248
0.00714	0.006996	0.88015	0.062116	0.18024	0.111343	0.01608	-0.02958	0.52376
0.03301	0.268798	3.59E-09	0.180998	8.37E-05	0.19991	1.35E-05	0.29511	7.73E-11
0.00114	-0.08397	0.06984	-0.04389	0.34399	0.046242	0.31869	-0.06684	0.14928
1.62E-06	0.098213	0.03385	0.141505	0.00218	0.138284	0.00275	0.190229	3.51E-05
0.85321	0.093368	0.04373	0.093888	0.04256	0.120294	0.00927	0.049653	0.28426
0.37979	0.036266	0.43429	0.023066	0.61905	0.060728	0.19018	0.046449	0.31652
0.00192	-0.01675	0.71807	-0.00338	0.94199	0.076839	0.09721	-0.0008	0.98627
0.0016	0.05287	0.25417	0.041256	0.37371	0.100704	0.02956	0.015765	0.73402
0.24826	0.003898	0.93304	0.077322	0.09512	0.069907	0.13142	0.013576	0.76982
0.36262	0.029023	0.53155	0.085534	0.06477	0.081237	0.07948	0.053091	0.25219
0.95193	0.083912	0.07003	0.049735	0.28347	0.067405	0.14584	0.082052	0.0765
0.86244	0.174496	0.00015	0.100148	0.03047	0.181794	7.78E-05	0.096051	0.03799
0.67369	0.030278	0.51395	0.04493	0.33263	0.06711	0.14761	0.03027	0.51406
0.31202	0.114792	0.01306	0.115009	0.01288	0.147618	0.00138	0.028396	0.54046
0.27926	0.127066	0.00596	0.090293	0.05118	0.167532	0.00028	0.118885	0.01013
0.72074	0.075564	0.10291	0.059033	0.20287	0.103416	0.02543	0.090745	0.05002
0.07712	0.089078	0.0544	0.040712	0.38005	0.087913	0.05764	-0.01001	0.82927
0.02226	0.025481	0.58282	-0.00688	0.88211	0.028986	0.53208	0.004248	0.92706
0.37427	0.086465	0.0619	0.115316	0.01264	0.179564	9.55E-05	0.095634	0.03884

0.02982	0.008696	0.85133	-0.03986	0.39005	0.038181	0.41041	-0.00543	0.90689
0.03116	0.13881	0.00265	0.096189	0.03772	0.183734	6.50E-05	0.034224	0.46063
0.37081	0.058334	0.20828	0.081636	0.078	0.128933	0.00526	0.088645	0.05559
0.10515	-0.01251	0.7874	-0.03752	0.41852	0.06482	0.16197	0.042364	0.36101
0.56466	-0.04748	0.30588	-0.04307	0.35306	-0.00029	0.99493	-0.02221	0.63212
0.92342	-0.02677	0.56386	0.010246	0.82523	0.01131	0.80741	-0.00485	0.91672
0.00023	0.047213	0.30862	0.125982	0.00641	0.1755	0.00014	0.090491	0.05067
0.10356	-0.0319	0.49159	-0.00161	0.97229	0.05687	0.21995	0.015545	0.73759
0.82334	0.14359	0.00187	0.069304	0.1348	0.218667	1.84E-06	0.148417	0.0013
0.52494	0.042281	0.36195	0.036578	0.43034	0.021125	0.64886	0.078299	0.09101
0.93811	0.068624	0.13868	-0.02901	0.53174	0.07892	0.08846	0.083569	0.07119
0.64044	0.067895	0.14292	0.024868	0.59192	-0.03316	0.47467	0.148389	0.0013
3.29E-05	-0.07377	0.11136	-0.02434	0.59986	-0.00646	0.88934	-0.08055	0.08204
0.79213	0.016894	0.71576	0.017551	0.70522	0.066645	0.15045	0.020209	0.66314
7.48E-07	0.048117	0.29944	0.066981	0.1484	0.127799	0.00568	-0.01047	0.82151
0.69085	-0.0007	0.9879	0.051453	0.26715	0.039042	0.39992	0.120359	0.00923
0.31796	0.039552	0.39379	0.054591	0.23902	0.045736	0.32402	0.000146	0.99749
0.00274	0.10093	0.0292	0.090669	0.05021	0.225488	8.51E-07	0.052542	0.25714
0.00143	0.126175	0.00633	0.180776	8.55E-05	0.279652	7.74E-10	0.048481	0.29579
0.88513	0.093182	0.04415	0.069472	0.13385	0.143358	0.0019	0.057329	0.21624
0.52833	0.04818	0.29881	0.044856	0.33343	0.144063	0.0018	0.052472	0.25778
1.36E-11	-0.13015	0.00485	-0.09121	0.04885	-0.06719	0.14714	-0.31566	2.90E-12
0.6335	-0.14812	0.00133	-0.07369	0.11175	-0.07691	0.09689	-0.02758	0.55214
1.09E-13	0.234007	3.14E-07	0.260766	1.07E-08	0.151145	0.00105	0.172344	0.00018
2.47E-11	0.075344	0.10392	0.039679	0.39227	0.064197	0.16604	-0.18052	8.75E-05
0.00191	0.135565	0.00333	0.091064	0.04922	0.090515	0.0506	-0.00595	0.898
7.09E-08	0.171408	0.0002	0.063414	0.17129	0.092307	0.04619	0.221455	1.34E-06
0.04959	0.104561	0.02384	0.078019	0.09217	0.101612	0.02812	-0.11426	0.01349
0.104	0.317904	1.99E-12	0.230393	4.82E-07	0.191577	3.08E-05	0.078588	0.08981
0.82321	0.08324	0.07231	0.043923	0.34359	0.05603	0.22685	0.094883	0.04041
0.24753	-0.02112	0.64891	0.072778	0.11627	0.052878	0.2541	-0.13771	0.00286
0.04371	-0.12837	0.00547	-0.08891	0.05486	-0.16638	0.0003	-0.19029	3.49E-05
0.32709	-0.0008	0.98617	0.060699	0.1904	0.012735	0.78372	-0.02024	0.66262
0.00762	-0.21674	2.27E-06	-0.03553	0.44367	-0.03415	0.46162	0.01138	0.80625
0.92645	0.080169	0.08352	0.014517	0.75436	0.002544	0.95627	-0.06471	0.16267
0.40982	-0.13504	0.00346	-0.03721	0.42246	-0.10871	0.01878	-0.08198	0.07676
5.90E-07	-0.04091	0.37771	-0.01053	0.8204	-0.03294	0.47765	-0.12399	0.00731
0.41433	-0.19641	1.91E-05	-0.10897	0.0185	-0.12535	0.00668	-0.16209	0.00044
0.02356	-0.30879	8.94E-12	-0.13137	0.00446	-0.24431	8.96E-08	-0.21659	2.31E-06
0.14803	-0.27802	9.78E-10	-0.04342	0.34915	-0.13123	0.0045	-0.27155	2.45E-09
0.06132	-0.12803	0.00559	-0.03134	0.49922	-0.11872	0.01023	-0.2891	1.92E-10
1.43E-11	-0.33495	1.05E-13	-0.23676	2.26E-07	-0.27108	2.61E-09	-0.46198	4.57E-26
1.12E-05	0.193452	2.56E-05	0.206223	7.02E-06	0.119396	0.00981	0.121343	0.00867
0.75898	0.05144	0.26726	-0.07972	0.08529	-0.10268	0.0265	-0.15925	0.00055
4.92E-06	0.070402	0.12871	0.188161	4.28E-05	0.106885	0.02087	-0.0483	0.29765

6.71E-11	-0.21524	2.68E-06	-0.15732	0.00065	-0.16746	0.00028	-0.25824	1.50E-08
9.38E-14	0.002834	0.9513	0.066544	0.15107	0.1135	0.01412	-0.21534	2.65E-06
0.01586	-0.26146	9.75E-09	-0.07436	0.10851	-0.13973	0.00248	0.015754	0.73419
1.07E-09	0.015908	0.73169	-0.09238	0.04601	-0.03555	0.44343	-0.25644	1.90E-08
1.95E-11	0.238907	1.74E-07	0.019807	0.66943	-0.06572	0.15618	0.016481	0.72241
0.00493	0.152043	0.00098	0.052898	0.25392	-0.0004	0.99306	-0.03116	0.50175
0.0377	0.049274	0.28796	-0.03025	0.51428	-0.09011	0.05165	-0.08421	0.06904
0.45032	-0.05191	0.26289	-0.11369	0.01396	-0.10188	0.02771	0.128087	0.00557
3.99E-06	0.093729	0.04292	0.068554	0.13908	0.113031	0.01453	0.273976	1.74E-09
0.01396	-0.0893	0.05381	0.002977	0.94884	-0.12969	0.005	-0.1681	0.00026
4.42E-15	-0.17342	0.00017	-0.21148	4.02E-06	-0.18103	8.35E-05	-0.46571	1.62E-26
1.19E-06	-0.21718	2.17E-06	-0.09208	0.04672	-0.16387	0.00038	-0.22995	5.07E-07
0.19823	-0.1769	0.00012	-0.0367	0.42877	-0.07881	0.08893	0.116672	0.01163
1.38E-12	-0.12082	0.00896	0.001684	0.97104	0.038589	0.40542	-0.05701	0.21882
3.53E-05	0.003009	0.94829	-0.09356	0.04329	-0.07984	0.08482	-0.23878	1.77E-07
8.08E-12	0.198693	1.52E-05	0.117719	0.0109	-0.00833	0.85754	0.115614	0.01241
0.06899	0.008309	0.85787	0.185491	5.51E-05	0.137763	0.00285	-0.04483	0.33374
0.85974	-0.06502	0.16066	0.053356	0.24983	-0.07262	0.11706	0.091483	0.04818
7.79E-46	-0.27343	1.88E-09	-0.32356	7.66E-13	-0.23957	1.61E-07	-0.49842	1.08E-30
2.35E-28	-0.15407	0.00084	-0.20615	7.08E-06	-0.1015	0.0283	-0.32153	1.08E-12
3.26E-11	0.315847	2.81E-12	0.255017	2.29E-08	0.322689	8.89E-13	0.003398	0.94162
0.0112	0.071795	0.1213	-0.02459	0.59608	-0.04302	0.35356	-0.0151	0.74481
0.00064	-0.18972	3.69E-05	-0.16452	0.00036	-0.22811	6.29E-07	-0.26962	3.20E-09
0.01995	-0.20917	5.15E-06	-0.17042	0.00022	-0.22471	9.30E-07	-0.33215	1.72E-13
0.68354	-0.19642	1.91E-05	0.029644	0.52279	-0.0969	0.03633	-0.08268	0.07428
0.31133	-0.00943	0.83892	-0.03456	0.45622	-0.05706	0.21842	-0.2253	8.69E-07
0.00044	-0.07021	0.12977	-0.19917	1.45E-05	-0.2142	3.00E-06	-0.29968	3.81E-11
9.59E-10	-0.30248	2.45E-11	-0.30386	1.97E-11	-0.37408	5.86E-17	-0.46963	5.41E-27
7.33E-08	-0.25736	1.68E-08	-0.08518	0.06588	-0.18791	4.38E-05	-0.37586	4.06E-17
0.01759	0.058304	0.20852	-0.1009	0.02925	-0.09622	0.03766	-0.24431	8.96E-08
0.00644	0.10396	0.02466	0.070562	0.12784	0.031419	0.49821	-0.06814	0.14148
0.05459	0.12648	0.0062	0.137148	0.00298	0.093862	0.04262	0.007841	0.8658
2.60E-17	-0.29811	4.86E-11	-0.2582	1.50E-08	-0.32383	7.32E-13	-0.53298	1.25E-35
9.62E-25	-0.29869	4.44E-11	-0.25986	1.21E-08	-0.2309	4.54E-07	-0.45471	3.30E-25
2.36E-06	-0.15948	0.00054	-0.26708	4.55E-09	-0.23328	3.43E-07	-0.36244	6.06E-16
0.39995	0.057865	0.21197	0.100483	0.02992	0.097822	0.03457	-0.03062	0.50918
0.00015	0.296168	6.57E-11	0.199724	1.37E-05	0.153881	0.00085	0.064724	0.16259
0.00734	0.09943	0.03169	-0.03188	0.49193	-0.04755	0.30513	-0.01346	0.77172
0.05736	-0.02293	0.62117	-0.10587	0.02213	-0.0578	0.21247	-0.21598	2.47E-06
5.47E-05	-0.26378	7.12E-09	-0.23347	3.35E-07	-0.25913	1.33E-08	-0.31408	3.77E-12
0.2056	0.147543	0.00139	-0.01623	0.72646	0.009635	0.8355	-0.13993	0.00244
0.19434	-0.04025	0.38553	-0.02518	0.58724	-0.09392	0.0425	-0.07725	0.09545
0.00244	-0.26343	7.47E-09	-0.15924	0.00055	-0.22785	6.48E-07	-0.3204	1.31E-12
1.02E-06	-0.11556	0.01246	-0.22118	1.39E-06	-0.21223	3.71E-06	-0.38301	9.14E-18
5.27E-41	-0.46336	3.12E-26	-0.38991	2.09E-18	-0.40912	2.86E-20	-0.60491	6.09E-48

2.13E-06	-0.20895	5.27E-06	-0.24904	4.93E-08	-0.30096	3.12E-11	-0.39399	8.60E-19
0.01675	-0.25108	3.80E-08	-0.17966	9.47E-05	-0.31415	3.72E-12	-0.32412	6.96E-13
0.00012	-0.02602	0.57494	-0.02648	0.56806	-0.0416	0.36976	-0.15797	0.00061
0.00124	0.004058	0.9303	-0.08913	0.05425	-0.05949	0.19941	-0.24182	1.22E-07
2.11E-08	-0.07996	0.08435	-0.16177	0.00045	-0.16045	0.0005	-0.35103	5.47E-15
0.13504	-0.03317	0.47461	-0.11504	0.01286	-0.13683	0.00305	-0.26874	3.62E-09
3.74E-13	-0.18828	4.23E-05	-0.27904	8.45E-10	-0.28652	2.83E-10	-0.45528	2.83E-25
0.00018	0.067851	0.14319	0.020851	0.65312	0.073672	0.11184	-0.13305	0.00397
3.35E-13	-0.38618	4.66E-18	-0.32411	6.98E-13	-0.41262	1.27E-20	-0.47969	3.02E-28
4.82E-07	0.07229	0.11875	-0.14321	0.00192	-0.06901	0.13644	-0.27352	1.86E-09
3.08E-06	-0.10143	0.02841	-0.13148	0.00443	-0.11616	0.01201	-0.22536	8.64E-07
0.07843	-0.26581	5.41E-09	-0.22561	8.39E-07	-0.32197	1.00E-12	-0.40557	6.45E-20
2.29E-19	-0.16914	0.00024	-0.22741	6.82E-07	-0.14887	0.00125	-0.36952	1.48E-16
1.74E-09	-0.1947	2.27E-05	-0.17783	0.00011	-0.15906	0.00056	-0.281	6.36E-10
1.07E-14	-0.17237	0.00018	-0.2201	1.57E-06	-0.14175	0.00214	-0.39706	4.37E-19
0.22988	0.177937	0.00011	-0.01188	0.79799	0.011681	0.80123	-0.07845	0.09037
0.38944	0.038512	0.40635	-0.05621	0.22539	-0.07847	0.0903	-0.19862	1.53E-05
0.01267	-0.10534	0.0228	-0.06626	0.15284	-0.12596	0.00642	-0.11444	0.01334
0.46532	0.118939	0.0101	0.078759	0.08912	0.040914	0.37769	-0.15066	0.00109
0.01753	0.221532	1.33E-06	0.074123	0.10966	0.055028	0.23527	-0.01767	0.70335
0.3425	0.083811	0.07037	0.096162	0.03777	0.053465	0.24886	0.032444	0.48428
0.0109	-0.27098	2.65E-09	-0.21274	3.52E-06	-0.32799	3.57E-13	-0.3505	6.05E-15
0.00804	0.231075	4.45E-07	0.099362	0.03181	0.078822	0.08886	-0.06491	0.16139
4.46E-06	-0.42859	2.75E-22	-0.31009	7.24E-12	-0.37053	1.21E-16	-0.3624	6.11E-16
1.35E-20	-0.46379	2.77E-26	-0.45139	8.00E-25	-0.44216	8.96E-24	-0.57238	5.36E-42
1.13E-28	-0.43339	8.32E-23	-0.41785	3.69E-21	-0.4081	3.61E-20	-0.59754	1.55E-46
3.11E-13	-0.10519	0.02301	-0.14979	0.00117	-0.14204	0.00209	-0.31717	2.26E-12
3.88E-18	-0.30628	1.34E-11	-0.13671	0.00307	-0.22985	5.14E-07	-0.48662	3.90E-29
3.05E-05	-0.26518	5.90E-09	-0.1347	0.00354	-0.13733	0.00294	-0.19353	2.54E-05
0.75902	-0.11094	0.01647	-0.08078	0.08118	-0.09921	0.03207	-0.22858	5.96E-07
2.72E-11	-0.35831	1.36E-15	-0.27681	1.16E-09	-0.31698	2.33E-12	-0.46991	5.00E-27
0.01494	-0.04661	0.31483	-0.07171	0.12175	-0.06575	0.15599	-0.1767	0.00012
0.02014	-0.03336	0.47207	-0.10422	0.02431	-0.10587	0.02213	-0.24286	1.07E-07
1.65E-16	-0.17592	0.00013	-0.16691	0.00029	-0.18277	7.11E-05	-0.35855	1.30E-15
2.52E-19	-0.20576	7.37E-06	-0.19826	1.59E-05	-0.16339	0.00039	-0.41391	9.37E-21
1.68E-16	-0.41504	7.19E-21	-0.39306	1.06E-18	-0.45346	4.61E-25	-0.49256	6.51E-30
0.00026	0.128552	0.0054	-0.08753	0.05873	-0.01653	0.72165	-0.18576	5.37E-05
0.36603	0.061752	0.18281	0.009596	0.83614	-0.0033	0.94331	-0.11806	0.01067
0.01073	0.064307	0.16532	-0.09294	0.04471	-0.07484	0.10625	-0.1945	2.31E-05
1.50E-06	0.278339	9.35E-10	0.158821	0.00057	0.142543	0.00202	0.056432	0.22353
9.18E-09	-0.22289	1.14E-06	-0.28292	4.81E-10	-0.2376	2.04E-07	-0.32147	1.09E-12
0.05802	0.028533	0.53851	0.052374	0.25866	0.053587	0.24778	0.122362	0.00812
0.00022	-0.11961	0.00968	-0.0439	0.34389	-0.01483	0.74926	-0.20103	1.20E-05
1.65E-16	-0.50961	3.13E-32	-0.36615	2.91E-16	-0.45894	1.05E-25	-0.53008	3.41E-35
8.16E-07	-0.26212	8.92E-09	-0.1256	0.00657	-0.14676	0.00147	-0.26506	5.99E-09

3.44E-16	-0.31931	1.57E-12	-0.27065	2.77E-09	-0.29963	3.84E-11	-0.44192	9.54E-24
8.10E-05	0.152728	0.00093	0.148652	0.00127	0.090988	0.0494	0.041864	0.3667
0.39103	-0.14524	0.00165	-0.10586	0.02214	-0.18711	4.73E-05	-0.26386	7.05E-09
3.31E-20	-0.46167	4.97E-26	-0.12458	0.00703	-0.27744	1.06E-09	-0.45464	3.36E-25
0.43766	-0.03324	0.4736	-0.0563	0.22461	-0.11939	0.00981	-0.19483	2.24E-05
0.15484	0.230087	5.00E-07	0.022857	0.62223	0.045404	0.32755	-0.01105	0.8117
0.00026	-0.09087	0.0497	-0.12252	0.00804	-0.14885	0.00125	-0.3342	1.20E-13
1.01E-11	-0.33489	1.06E-13	-0.24398	9.33E-08	-0.32566	5.34E-13	-0.47046	4.28E-27
1.58E-14	-0.28043	6.91E-10	-0.28554	3.27E-10	-0.30726	1.14E-11	-0.44967	1.26E-24
0.07855	0.188983	3.95E-05	0.139956	0.00243	0.046736	0.31354	0.018789	0.68549
0.20881	-0.17139	0.0002	-0.1044	0.02406	-0.12119	0.00875	-0.02868	0.53646
0.03384	-0.35763	1.55E-15	-0.21636	2.37E-06	-0.3206	1.27E-12	-0.11713	0.0113
0.04316	0.021974	0.63575	0.088945	0.05476	0.032982	0.47707	-0.14146	0.00218
0.63619	0.088372	0.05635	0.152283	0.00096	0.031951	0.49095	-0.08998	0.052
0.00246	-0.0389	0.40159	0.047161	0.30915	-0.03757	0.41798	-0.08357	0.07117
0.36267	-0.27743	1.07E-09	-0.1613	0.00047	-0.2385	1.83E-07	0.06578	0.15582
0.13021	-0.22821	6.22E-07	-0.06622	0.15308	-0.13267	0.00408	-0.19789	1.65E-05
1.32E-10	0.16812	0.00026	0.000817	0.98596	-0.06557	0.15714	-0.0425	0.35951
9.96E-41	-0.49097	1.06E-29	-0.34216	2.85E-14	-0.34183	3.03E-14	-0.56407	1.39E-40
0.00959	-0.09869	0.03299	-0.14182	0.00213	-0.15983	0.00053	-0.27475	1.56E-09
7.58E-11	-0.00212	0.96348	-0.08915	0.0542	-0.03503	0.4501	-0.22291	1.14E-06
0.02473	-0.09002	0.05188	-0.14832	0.00131	-0.17055	0.00021	-0.27311	1.96E-09
0.48429	0.119218	0.00992	0.140241	0.00239	0.077885	0.09273	-0.01869	0.68707
8.60E-23	-0.39049	1.84E-18	-0.13399	0.00372	-0.23878	1.77E-07	-0.39065	1.78E-18
4.14E-05	0.22784	6.49E-07	0.210906	4.28E-06	0.225757	8.25E-07	-0.02902	0.53153
1.03E-09	-0.06154	0.18432	-0.03692	0.42604	-0.02534	0.58495	-0.07559	0.10279
6.31E-23	-0.10896	0.01851	-0.21411	3.03E-06	-0.25775	1.60E-08	-0.32901	2.99E-13
4.24E-27	-0.32997	2.52E-13	-0.3092	8.37E-12	-0.21227	3.70E-06	-0.34904	7.96E-15
4.31E-28	-0.3696	1.46E-16	-0.2125	3.61E-06	-0.20973	4.85E-06	-0.32828	3.39E-13
0.06288	0.028604	0.53749	0.055939	0.2276	0.021697	0.64002	0.033265	0.47329
4.86E-15	-0.42393	8.58E-22	-0.3635	4.92E-16	-0.45344	4.63E-25	-0.40403	9.16E-20
3.55E-41	-0.40307	1.14E-19	-0.33707	7.17E-14	-0.35581	2.20E-15	-0.38952	2.27E-18
4.79E-20	-0.20476	8.18E-06	-0.14034	0.00237	-0.16428	0.00036	-0.26153	9.65E-09
2.50E-28	0.283629	4.33E-10	0.331477	1.94E-13	0.23825	1.89E-07	0.264781	6.22E-09
3.37E-09	-0.436	4.31E-23	-0.2983	4.72E-11	-0.36621	2.88E-16	-0.23715	2.16E-07
7.94E-12	-0.26496	6.07E-09	-0.20414	8.73E-06	-0.2911	1.43E-10	-0.23862	1.80E-07
8.69E-22	-0.16006	0.00052	-0.09887	0.03267	-0.18544	5.54E-05	-0.24561	7.62E-08
7.15E-14	-0.4395	1.78E-23	-0.27813	9.64E-10	-0.33728	6.90E-14	-0.29456	8.41E-11
2.82E-44	-0.29289	1.09E-10	-0.21473	2.83E-06	-0.23107	4.45E-07	-0.37526	4.60E-17
1.31E-21	-0.29877	4.39E-11	-0.30388	1.96E-11	-0.3064	1.31E-11	-0.33988	4.32E-14
1.16E-11	-0.42311	1.05E-21	-0.25926	1.31E-08	-0.30043	3.38E-11	-0.27543	1.42E-09
3.71E-18	-0.29766	5.21E-11	-0.25563	2.11E-08	-0.22031	1.53E-06	-0.22143	1.35E-06
1.40E-05	-0.03114	0.50203	-0.03429	0.45973	-0.10398	0.02463	-0.09192	0.04712
4.58E-17	-0.31639	2.57E-12	-0.19834	1.58E-05	-0.253	2.97E-08	-0.3345	1.14E-13
0.68429	-0.40289	1.19E-19	-0.23123	4.37E-07	-0.33703	7.22E-14	-0.15335	0.00088

2.27E-38	-0.53154	2.06E-35	-0.44885	1.57E-24	-0.4927	6.25E-30	-0.49744	1.46E-30
0.00463	0.261351	9.89E-09	0.101545	0.02822	0.104481	0.02395	0.007039	0.87942
3.80E-09	0.056054	0.22664	0.042722	0.35695	0.034576	0.45602	-0.01544	0.73925
1.19E-18	-0.20572	7.40E-06	-0.31714	2.27E-12	-0.35803	1.44E-15	-0.33313	1.45E-13
8.87E-20	0.019911	0.66781	-0.08411	0.06937	-0.0406	0.3814	-0.19066	3.37E-05
4.82E-25	-0.48128	1.90E-28	-0.28635	2.90E-10	-0.32333	7.97E-13	-0.27684	1.16E-09
2.35E-14	-0.38957	2.25E-18	-0.23195	4.01E-07	-0.23252	3.75E-07	-0.31184	5.45E-12
2.82E-05	-0.07449	0.10792	-0.11491	0.01296	-0.08845	0.05612	-0.10819	0.01935
1.69E-06	-0.41739	4.12E-21	-0.23525	2.71E-07	-0.32706	4.19E-13	-0.14648	0.0015
3.37E-09	-0.34537	1.58E-14	-0.02441	0.59877	-0.14299	0.00195	-0.20123	1.18E-05
9.68E-13	-0.27413	1.70E-09	-0.27359	1.84E-09	-0.3445	1.85E-14	-0.30666	1.26E-11
6.89E-14	-0.27485	1.54E-09	-0.16944	0.00023	-0.18543	5.54E-05	-0.2695	3.25E-09
1.32E-26	-0.31375	3.98E-12	-0.13287	0.00402	-0.07298	0.11525	-0.29272	1.11E-10
6.73E-25	-0.45391	4.08E-25	-0.32127	1.13E-12	-0.3555	2.34E-15	-0.39096	1.67E-18
2.75E-16	-0.39685	4.57E-19	-0.14851	0.00129	-0.24164	1.25E-07	-0.25471	2.38E-08
4.05E-05	-0.28192	5.56E-10	-0.06583	0.15549	-0.15094	0.00107	-0.07685	0.09716
0.06913	0.207856	5.92E-06	0.060253	0.19368	-0.00072	0.9876	0.091126	0.04906
2.82E-18	-0.27904	8.45E-10	-0.19604	1.99E-05	-0.22803	6.34E-07	-0.30732	1.13E-11
2.79E-10	-0.02851	0.53884	0.030262	0.51417	-0.04699	0.31093	-0.03975	0.39141
7.73E-27	-0.38791	3.22E-18	-0.23053	4.74E-07	-0.23965	1.59E-07	-0.37141	1.01E-16
2.05E-17	-0.39347	9.63E-19	-0.3041	1.90E-11	-0.32062	1.26E-12	-0.34229	2.78E-14
7.90E-08	-0.10135	0.02852	0.015816	0.73318	-0.06429	0.16542	-0.08715	0.05986
6.97E-15	-0.39783	3.68E-19	-0.33355	1.34E-13	-0.41013	2.26E-20	-0.33777	6.32E-14
9.50E-05	-0.11601	0.01211	-0.13244	0.00414	-0.21901	1.77E-06	-0.09885	0.0327
0.01013	-0.10629	0.0216	-0.02373	0.60905	-0.09471	0.04077	-0.0135	0.77111
1.03E-12	-0.27258	2.12E-09	-0.25577	2.07E-08	-0.26185	9.25E-09	-0.35227	4.32E-15
2.05E-20	-0.14384	0.00183	-0.0394	0.39567	0.014808	0.7496	-0.16164	0.00045
1.44E-40	-0.49375	4.53E-30	-0.34448	1.86E-14	-0.3385	5.54E-14	-0.53178	1.90E-35
0.00312	-0.17718	0.00012	-0.14392	0.00182	-0.20572	7.41E-06	-0.02112	0.64898
3.64E-16	-0.39166	1.43E-18	-0.25648	1.89E-08	-0.26882	3.58E-09	-0.35588	2.17E-15
2.60E-14	-0.36347	4.95E-16	-0.19247	2.82E-05	-0.30206	2.62E-11	-0.32656	4.57E-13
1.06E-22	-0.16502	0.00034	-0.25934	1.29E-08	-0.20786	5.91E-06	-0.30348	2.09E-11
1.25E-19	-0.26823	3.88E-09	-0.24795	5.67E-08	-0.28104	6.33E-10	-0.3527	3.99E-15
5.62E-20	-0.3285	3.26E-13	-0.11599	0.01213	-0.18803	4.33E-05	-0.345	1.69E-14
3.06E-29	-0.41727	4.24E-21	-0.22449	9.54E-07	-0.2464	6.89E-08	-0.33911	4.96E-14
6.15E-20	-0.35443	2.87E-15	-0.32527	5.71E-13	-0.34693	1.18E-14	-0.35289	3.84E-15
2.94E-19	-0.46342	3.07E-26	-0.35092	5.58E-15	-0.40186	1.49E-19	-0.35373	3.28E-15
2.23E-14	-0.14283	0.00197	-0.05959	0.19862	0.002851	0.951	-0.17555	0.00014
6.61E-07	-0.10635	0.02153	-0.23882	1.76E-07	-0.29107	1.43E-10	-0.15083	0.00108
4.40E-11	-0.1519	0.00099	0.015959	0.73086	-0.0513	0.2686	-0.15341	0.00088
2.59E-11	-0.1281	0.00557	-0.03206	0.48943	-0.08363	0.071	-0.067	0.14831
7.91E-22	-0.44344	6.45E-24	-0.29818	4.81E-11	-0.34448	1.86E-14	-0.38949	2.29E-18
1.57E-34	-0.4054	6.71E-20	-0.38105	1.38E-17	-0.38651	4.34E-18	-0.47448	1.36E-27
1.21E-16	-0.12955	0.00505	0.01794	0.69899	0.004301	0.92615	-0.12287	0.00785
2.23E-08	-0.18983	3.64E-05	-0.10467	0.0237	-0.16134	0.00046	-0.13674	0.00307

1.08E-21	-0.27678	1.17E-09	-0.31849	1.81E-12	-0.29804	4.92E-11	-0.34283	2.52E-14
0.00336	-0.04009	0.38737	-0.08332	0.07203	-0.00888	0.84816	-0.08468	0.0675
7.22E-17	-0.46912	6.25E-27	-0.40732	4.32E-20	-0.46791	8.78E-27	-0.30373	2.01E-11
1.04E-09	0.028599	0.53756	0.078142	0.09166	0.086244	0.06257	-0.1052	0.023
1.32E-26	-0.24671	6.63E-08	-0.28493	3.58E-10	-0.26923	3.38E-09	-0.33371	1.31E-13
0.33373	-0.33787	6.21E-14	-0.19962	1.39E-05	-0.34265	2.60E-14	-0.0802	0.08341
1.53E-30	-0.29583	6.92E-11	-0.17792	0.00011	-0.17795	0.00011	-0.26018	1.16E-08
2.00E-10	0.150365	0.00112	0.012849	0.78182	0.031968	0.49073	-0.09106	0.04924
0.00039	-0.23361	3.30E-07	0.011385	0.80615	-0.01498	0.74685	-0.02767	0.5509
2.33E-12	0.067441	0.14562	0.000528	0.99091	0.032255	0.48683	-0.06404	0.16707
9.19E-18	-0.43261	1.01E-22	-0.38639	4.46E-18	-0.4792	3.48E-28	-0.31895	1.67E-12
0.23481	-0.32039	1.31E-12	-0.14538	0.00163	-0.28292	4.81E-10	-0.13815	0.00277
8.62E-13	-0.37699	3.22E-17	-0.23883	1.76E-07	-0.31241	4.96E-12	-0.19329	2.60E-05
6.35E-31	-0.44053	1.36E-23	-0.3749	4.96E-17	-0.43966	1.70E-23	-0.51197	1.46E-32
6.18E-06	-0.22526	8.74E-07	-0.20782	5.94E-06	-0.23637	2.37E-07	-0.21316	3.36E-06
8.41E-12	-0.10488	0.02341	-0.114	0.0137	-0.07952	0.08606	-0.10999	0.01742
3.56E-27	-0.16013	0.00051	-0.00646	0.88927	0.016467	0.72264	-0.21836	1.90E-06
2.64E-15	0.04984	0.28245	0.147565	0.00138	0.14149	0.00218	-0.04249	0.35958
4.73E-05	0.136616	0.00309	0.267375	4.37E-09	0.222677	1.17E-06	0.132529	0.00412
7.22E-09	0.093766	0.04283	0.154321	0.00082	0.169325	0.00024	0.074437	0.10816
2.52E-09	-0.2331	3.50E-07	-0.05659	0.22221	-0.16371	0.00038	-0.26341	7.49E-09
8.27E-14	-0.34708	1.15E-14	-0.17251	0.00018	-0.26019	1.16E-08	-0.31725	2.23E-12
2.03E-25	-0.58854	7.23E-45	-0.41318	1.11E-20	-0.46541	1.77E-26	-0.50267	2.85E-31
0.07382	-0.25927	1.31E-08	-0.13953	0.00251	-0.24939	4.72E-08	-0.25118	3.76E-08
4.20E-15	-0.52065	8.38E-34	-0.30418	1.87E-11	-0.39487	7.09E-19	-0.4337	7.71E-23
2.56E-17	-0.31922	1.60E-12	-0.21261	3.56E-06	-0.2315	4.23E-07	-0.30655	1.28E-11
1.21E-06	-0.21496	2.76E-06	-0.25065	4.02E-08	-0.29024	1.62E-10	-0.30562	1.49E-11
1.32E-12	-0.09246	0.04582	-0.18833	4.21E-05	-0.19848	1.56E-05	-0.24009	1.51E-07
1.65E-13	-0.14954	0.00119	-0.29924	4.08E-11	-0.33012	2.46E-13	-0.37771	2.77E-17
3.75E-18	-0.3751	4.75E-17	-0.41067	2.00E-20	-0.44033	1.44E-23	-0.44274	7.73E-24
1.46E-18	-0.33311	1.45E-13	-0.20122	1.18E-05	-0.26327	7.64E-09	-0.35093	5.57E-15
9.69E-07	-0.44527	4.00E-24	-0.25526	2.21E-08	-0.2427	1.09E-07	-0.27293	2.02E-09
1.49E-21	-0.28488	3.61E-10	-0.30436	1.82E-11	-0.31948	1.53E-12	-0.43825	2.44E-23
4.21E-11	-0.33871	5.34E-14	-0.32745	3.92E-13	-0.3625	6.00E-16	-0.27426	1.67E-09
6.03E-14	-0.17509	0.00014	-0.13688	0.00304	-0.15396	0.00084	-0.27021	2.95E-09
1.36E-22	-0.28707	2.61E-10	-0.12446	0.00708	-0.21573	2.54E-06	-0.38579	5.07E-18
6.40E-28	-0.31573	2.87E-12	-0.29179	1.28E-10	-0.31749	2.14E-12	-0.42928	2.31E-22
0.00033	-0.25867	1.41E-08	-0.17209	0.00019	-0.24505	8.17E-08	-0.30966	7.77E-12
3.66E-08	-0.16619	0.00031	-0.07775	0.0933	-0.18617	5.17E-05	-0.24865	5.19E-08
0.00034	-0.26477	6.23E-09	-0.28687	2.69E-10	-0.35305	3.73E-15	-0.28879	2.02E-10
2.52E-26	-0.16895	0.00024	-0.16122	0.00047	-0.17877	0.0001	-0.30952	7.94E-12
5.64E-08	-0.44633	3.04E-24	-0.28444	3.85E-10	-0.3716	9.73E-17	-0.28484	3.63E-10
3.46E-14	-0.27899	8.51E-10	-0.38473	6.35E-18	-0.31952	1.52E-12	-0.41241	1.33E-20
8.19E-31	-0.08151	0.07848	-0.19993	1.34E-05	-0.14369	0.00185	-0.3313	2.00E-13
2.28E-18	-0.37841	2.40E-17	-0.41156	1.62E-20	-0.41454	8.07E-21	-0.48287	1.19E-28



3.64E-16	-0.49858	1.02E-30	-0.38557	5.31E-18	-0.42935	2.28E-22	-0.41626	5.39E-21
1.23E-30	-0.24239	1.14E-07	-0.0775	0.09436	-0.08424	0.06895	-0.36653	2.70E-16
3.79E-21	-0.39232	1.24E-18	-0.33229	1.68E-13	-0.36126	7.65E-16	-0.41614	5.54E-21
6.21E-21	-0.15288	0.00092	-0.2452	8.02E-08	-0.21233	3.67E-06	-0.30869	9.08E-12
7.18E-18	0.016508	0.72199	0.073329	0.11353	0.039381	0.39584	-0.14489	0.00169
1.74E-14	-0.36006	9.66E-16	-0.31212	5.20E-12	-0.38491	6.11E-18	-0.41073	1.97E-20
1.06E-07	-0.20411	8.75E-06	-0.33002	2.50E-13	-0.38439	6.82E-18	-0.29899	4.24E-11
1.44E-15	-0.34853	8.75E-15	-0.34693	1.18E-14	-0.38033	1.61E-17	-0.38446	6.73E-18
5.59E-24	-0.38457	6.57E-18	-0.38271	9.74E-18	-0.4206	1.92E-21	-0.49541	2.72E-30
2.02E-15	-0.23064	4.68E-07	-0.0805	0.08225	-0.06939	0.13433	-0.26841	3.79E-09
3.80E-24	-0.24977	4.50E-08	-0.19461	2.29E-05	-0.1718	0.00019	-0.33927	4.82E-14
1.35E-14	-0.37999	1.72E-17	-0.22339	1.08E-06	-0.3019	2.69E-11	-0.376	3.95E-17
2.85E-06	-0.23125	4.36E-07	-0.25882	1.39E-08	-0.28929	1.87E-10	-0.31653	2.51E-12
4.46E-06	-0.04987	0.28216	-0.05444	0.24028	-0.09243	0.0459	-0.24747	6.02E-08
1.34E-23	-0.47102	3.66E-27	-0.3457	1.48E-14	-0.34172	3.09E-14	-0.40289	1.19E-19
1.18E-11	-0.43258	1.02E-22	-0.39319	1.02E-18	-0.5093	3.46E-32	-0.43449	6.32E-23
2.41E-32	-0.35761	1.56E-15	-0.26606	5.22E-09	-0.24184	1.22E-07	-0.41456	8.04E-21
1.69E-05	-0.41868	3.03E-21	-0.41717	4.34E-21	-0.47583	9.23E-28	-0.35098	5.52E-15
2.04E-07	-0.26887	3.55E-09	-0.30205	2.62E-11	-0.3576	1.56E-15	-0.28334	4.53E-10
0.03896	-0.45691	1.82E-25	-0.42731	3.76E-22	-0.52421	2.53E-34	-0.36635	2.79E-16
3.94E-26	-0.44106	1.19E-23	-0.40382	9.61E-20	-0.47391	1.60E-27	-0.55268	1.04E-38
1.70E-20	-0.36113	7.84E-16	-0.22299	1.13E-06	-0.26861	3.68E-09	-0.49139	9.29E-30
1.44E-27	-0.14226	0.00206	-0.16264	0.00042	-0.16792	0.00027	-0.35875	1.25E-15
5.25E-20	-0.46992	4.98E-27	-0.28574	3.18E-10	-0.34468	1.79E-14	-0.42863	2.71E-22
7.57E-06	-0.0457	0.32442	-0.13364	0.00381	-0.1222	0.0082	-0.18806	4.32E-05
1.27E-13	-0.06386	0.16827	-0.0449	0.33296	-0.07264	0.11696	-0.20329	9.52E-06
0.00013	-0.53048	2.97E-35	-0.26264	8.31E-09	-0.4048	7.69E-20	-0.35689	1.79E-15
2.25E-05	-0.21951	1.67E-06	-0.2006	1.25E-05	-0.32138	1.11E-12	-0.26273	8.21E-09
8.39E-16	-0.48961	1.59E-29	-0.34793	9.80E-15	-0.40825	3.49E-20	-0.44974	1.24E-24
1.99E-15	-0.50665	8.07E-32	-0.34607	1.39E-14	-0.42964	2.12E-22	-0.4211	1.70E-21
1.13E-06	-0.33977	4.41E-14	-0.36863	1.77E-16	-0.42497	6.65E-22	-0.3987	3.04E-19
7.30E-29	-0.48197	1.55E-28	-0.43579	4.56E-23	-0.44453	4.86E-24	-0.58422	4.39E-44
0.23761	-0.24747	6.03E-08	-0.14389	0.00182	-0.25108	3.80E-08	-0.19114	3.21E-05
1.98E-25	-0.44132	1.11E-23	-0.25914	1.33E-08	-0.16901	0.00024	-0.38594	4.91E-18
5.22E-20	-0.26537	5.74E-09	-0.28423	3.97E-10	-0.30548	1.52E-11	-0.39252	1.19E-18
1.29E-14	-0.56893	2.09E-41	-0.43282	9.60E-23	-0.55773	1.57E-39	-0.50647	8.54E-32
5.19E-11	0.02421	0.60177	-0.12396	0.00732	-0.10456	0.02384	-0.24657	6.75E-08
7.24E-08	-0.14687	0.00146	-0.13942	0.00253	-0.21472	2.84E-06	-0.27354	1.85E-09
5.87E-07	-0.16006	0.00052	-0.23664	2.30E-07	-0.30058	3.31E-11	-0.30518	1.60E-11
6.97E-17	-0.13885	0.00264	-0.1093	0.01814	-0.1346	0.00357	-0.35458	2.79E-15
2.44E-18	-0.31049	6.79E-12	-0.18956	3.74E-05	-0.2537	2.71E-08	-0.38362	8.04E-18
1.38E-23	-0.53552	5.15E-36	-0.45753	1.54E-25	-0.49119	9.87E-30	-0.57565	1.45E-42
9.56E-14	-0.33435	1.17E-13	-0.29085	1.48E-10	-0.29026	1.62E-10	-0.42348	9.55E-22
3.89E-11	-0.29556	7.22E-11	-0.31437	3.59E-12	-0.38243	1.03E-17	-0.41017	2.24E-20
6.22E-26	-0.42852	2.79E-22	-0.34069	3.73E-14	-0.37714	3.12E-17	-0.43706	3.31E-23

1.97E-64	-0.55343	7.89E-39	-0.33853	5.51E-14	-0.37895	2.14E-17	-0.63873	6.75E-55
2.28E-29	-0.47527	1.09E-27	-0.40828	3.46E-20	-0.43288	9.46E-23	-0.50308	2.51E-31
2.11E-11	-0.41907	2.76E-21	-0.30875	8.99E-12	-0.40594	5.93E-20	-0.44337	6.56E-24
9.29E-10	-0.41886	2.90E-21	-0.2043	8.58E-06	-0.28557	3.26E-10	-0.27339	1.89E-09
1.62E-25	-0.25379	2.68E-08	-0.33826	5.78E-14	-0.30796	1.02E-11	-0.428	3.18E-22
9.78E-20	-0.34744	1.07E-14	-0.26438	6.57E-09	-0.30899	8.66E-12	-0.33121	2.03E-13
2.08E-17	0.448835	1.57E-24	0.467138	1.09E-26	0.504053	1.84E-31	0.449534	1.31E-24
4.65E-06	-0.12184	0.0084	-0.23886	1.75E-07	-0.30176	2.75E-11	-0.20974	4.85E-06
2.76E-13	-0.24887	5.04E-08	-0.2319	4.04E-07	-0.25283	3.04E-08	-0.38308	9.01E-18
1.04E-16	-0.39073	1.75E-18	-0.43338	8.35E-23	-0.44444	4.97E-24	-0.38129	1.31E-17
8.63E-11	-0.29602	6.73E-11	-0.10759	0.02004	-0.23463	2.92E-07	-0.32873	3.14E-13
4.88E-13	-0.15259	0.00094	-0.15608	0.00071	-0.2214	1.35E-06	-0.29224	1.20E-10
4.47E-07	-0.37894	2.15E-17	-0.1653	0.00033	-0.28377	4.25E-10	-0.37043	1.23E-16
1.73E-40	-0.4886	2.16E-29	-0.35241	4.21E-15	-0.25616	1.97E-08	-0.60355	1.11E-47
1.07E-27	-0.63297	1.19E-53	-0.44159	1.04E-23	-0.49288	5.92E-30	-0.53641	3.75E-36
0.00853	-0.4093	2.74E-20	-0.26988	3.09E-09	-0.39812	3.45E-19	-0.21784	2.01E-06
9.12E-09	-0.40927	2.76E-20	-0.3567	1.86E-15	-0.40793	3.76E-20	-0.3124	4.97E-12
8.50E-18	-0.48953	1.63E-29	-0.41792	3.63E-21	-0.39122	1.58E-18	-0.41718	4.33E-21
1.17E-16	-0.3992	2.71E-19	-0.40258	1.27E-19	-0.4401	1.52E-23	-0.38845	2.87E-18
5.19E-29	-0.34289	2.49E-14	-0.15298	0.00091	-0.25986	1.21E-08	-0.5145	6.39E-33
2.76E-26	-0.48302	1.14E-28	-0.36349	4.93E-16	-0.40116	1.75E-19	-0.55004	2.77E-38
7.36E-08	-0.40505	7.25E-20	-0.13568	0.00331	-0.00767	0.86868	-0.2134	3.27E-06
2.60E-20	-0.50082	5.09E-31	-0.40745	4.19E-20	-0.49304	5.63E-30	-0.49993	6.71E-31
1.40E-28	-0.26112	1.02E-08	-0.14534	0.00164	-0.22824	6.19E-07	-0.51573	4.28E-33
0.02455	-0.22576	8.24E-07	-0.17588	0.00013	-0.31916	1.62E-12	-0.17099	0.00021
3.65E-21	-0.19064	3.37E-05	-0.17966	9.47E-05	-0.19433	2.35E-05	-0.39724	4.20E-19
0.00039	-0.36202	6.58E-16	-0.24568	7.55E-08	-0.39429	8.05E-19	-0.32218	9.69E-13
7.22E-08	-0.32489	6.10E-13	-0.23055	4.73E-07	-0.29539	7.41E-11	-0.2915	1.34E-10
7.61E-29	-0.42865	2.70E-22	-0.39791	3.62E-19	-0.41319	1.11E-20	-0.46389	2.70E-26
1.23E-16	-0.42261	1.18E-21	-0.2579	1.57E-08	-0.32691	4.30E-13	-0.50878	4.08E-32
5.11E-43	-0.48434	7.70E-29	-0.39704	4.39E-19	-0.41121	1.76E-20	-0.51242	1.26E-32
4.36E-09	-0.04293	0.35466	-0.11386	0.01382	-0.11257	0.01494	-0.11482	0.01303
2.10E-26	-0.41733	4.18E-21	-0.39285	1.10E-18	-0.41571	6.13E-21	-0.50797	5.29E-32
0.00719	-0.37646	3.59E-17	-0.23939	1.64E-07	-0.32455	6.46E-13	-0.21911	1.75E-06
3.44E-19	-0.62193	2.46E-51	-0.38217	1.09E-17	-0.49718	1.58E-30	-0.52039	9.11E-34
1.54E-05	-0.01725	0.70998	-0.16156	0.00046	-0.14243	0.00203	-0.20277	1.01E-05
6.24E-36	-0.44551	3.76E-24	-0.27455	1.60E-09	-0.33971	4.45E-14	-0.4994	7.93E-31
2.55E-08	-0.26108	1.03E-08	-0.35493	2.60E-15	-0.3993	2.66E-19	-0.34227	2.79E-14
1.04E-12	-0.38089	1.43E-17	-0.34358	2.20E-14	-0.37722	3.07E-17	-0.38752	3.50E-18
1.25E-06	-0.48832	2.35E-29	-0.29877	4.39E-11	-0.42991	1.98E-22	-0.25658	1.86E-08
0.43801	-0.03642	0.43233	-0.11794	0.01075	-0.12678	0.00608	-0.07951	0.0861
1.69E-08	-0.36422	4.27E-16	-0.30308	2.23E-11	-0.40941	2.67E-20	-0.34981	6.89E-15
2.69E-13	0.009128	0.84404	-0.00581	0.90039	-0.10249	0.02678	-0.28942	1.83E-10
1.23E-17	-0.18407	6.30E-05	-0.21516	2.70E-06	-0.23614	2.44E-07	-0.43102	1.50E-22
5.19E-30	-0.39348	9.61E-19	-0.36084	8.30E-16	-0.38387	7.61E-18	-0.47344	1.83E-27

3.53E-10	-0.37296	7.36E-17	-0.28576	3.16E-10	-0.40067	1.95E-19	-0.3911	1.62E-18
1.32E-20	0.049377	0.28695	0.047755	0.3031	0.05321	0.25113	-0.1652	0.00034
8.62E-40	-0.55582	3.22E-39	-0.42456	7.36E-22	-0.44811	1.91E-24	-0.57006	1.34E-41
2.47E-10	-0.19555	2.08E-05	-0.23314	3.49E-07	-0.36323	5.19E-16	-0.3054	1.54E-11
4.02E-21	-0.1883	4.22E-05	-0.32343	7.84E-13	-0.32911	2.94E-13	-0.41304	1.15E-20
3.94E-14	-0.38439	6.83E-18	-0.2806	6.75E-10	-0.32623	4.84E-13	-0.38562	5.25E-18
3.67E-07	-0.39274	1.13E-18	-0.37486	5.00E-17	-0.4396	1.73E-23	-0.39246	1.20E-18
4.06E-33	-0.49163	8.64E-30	-0.30425	1.85E-11	-0.1646	0.00035	-0.4531	5.07E-25
1.61E-33	-0.44831	1.81E-24	-0.31607	2.71E-12	-0.33751	6.63E-14	-0.48249	1.33E-28
7.88E-09	-0.00347	0.94039	-0.12952	0.00506	-0.1644	0.00036	-0.22982	5.15E-07
1.36E-11	-0.48231	1.40E-28	-0.31349	4.15E-12	-0.36123	7.69E-16	-0.41939	2.56E-21
7.06E-22	-0.4221	1.34E-21	-0.22655	7.53E-07	-0.36015	9.50E-16	-0.43076	1.60E-22
3.20E-09	-0.38544	5.46E-18	-0.38692	3.98E-18	-0.40547	6.60E-20	-0.41739	4.12E-21
0.00473	-0.28172	5.73E-10	-0.19201	2.95E-05	-0.26828	3.86E-09	-0.16208	0.00044
3.71E-14	-0.16593	0.00032	-0.24956	4.62E-08	-0.24546	7.76E-08	-0.29576	6.99E-11
6.49E-22	-0.65063	1.48E-57	-0.44733	2.34E-24	-0.49553	2.62E-30	-0.54374	2.76E-37
6.62E-15	-0.43444	6.40E-23	-0.24592	7.33E-08	-0.16133	0.00047	-0.3371	7.13E-14
4.37E-14	-0.21689	2.24E-06	-0.11006	0.01734	-0.21221	3.72E-06	-0.3867	4.17E-18
9.15E-11	-0.04683	0.31256	0.010302	0.82429	-0.12338	0.0076	-0.2711	2.60E-09
3.66E-09	-0.32258	9.05E-13	-0.18118	8.24E-05	-0.2535	2.78E-08	-0.19959	1.39E-05
1.59E-21	-0.19673	1.85E-05	0.05817	0.20956	-0.05254	0.25713	-0.27494	1.52E-09
2.71E-14	-0.1573	0.00065	-0.06968	0.13271	-0.14388	0.00183	-0.30899	8.66E-12
2.34E-14	-0.318	1.96E-12	-0.3151	3.18E-12	-0.33221	1.70E-13	-0.43545	4.97E-23
0.34306	0.421805	1.43E-21	0.205245	7.78E-06	0.189117	3.90E-05	0.079472	0.08625
1.76E-07	0.239197	1.68E-07	0.102504	0.02676	0.04864	0.29421	0.101936	0.02762
0.0019	0.183975	6.35E-05	0.094658	0.04088	0.052673	0.25595	0.139381	0.00254
0.21947	-0.27879	8.76E-10	-0.05045	0.27657	-0.1808	8.52E-05	-0.02872	0.53584
0.00156	0.140618	0.00232	0.136042	0.00322	0.075667	0.10244	0.109476	0.01795
0.0002	0.3061	1.38E-11	0.0563	0.22461	0.067556	0.14494	0.008549	0.85381
0.36226	0.075786	0.1019	-0.06521	0.15942	-0.04532	0.32848	-0.14348	0.00188
6.09E-11	0.218471	1.88E-06	-0.0236	0.61101	-0.04999	0.28099	0.082528	0.0748
0.03758	0.125235	0.00673	0.071946	0.12052	0.080868	0.08086	0.039837	0.39038
0.01182	-0.40388	9.48E-20	-0.28612	3.00E-10	-0.35452	2.82E-15	-0.24336	1.01E-07
8.24E-10	0.39193	1.35E-18	0.181459	8.03E-05	0.206347	6.93E-06	0.261316	9.93E-09
1.30E-14	0.289335	1.86E-10	0.116982	0.01141	0.122446	0.00807	0.285451	3.31E-10
0.03354	0.109405	0.01803	0.035722	0.44122	0.105423	0.0227	0.003373	0.94205
1.61E-08	0.465168	1.89E-26	0.274313	1.66E-09	0.339221	4.86E-14	0.326015	5.02E-13
0.0585	-0.14006	0.00242	0.029749	0.52133	-0.06213	0.18012	-0.007	0.88004
4.19E-27	0.613763	1.11E-49	0.473326	1.90E-27	0.46281	3.63E-26	0.458811	1.09E-25
0.00072	0.182477	7.30E-05	0.039613	0.39306	0.012115	0.794	0.031098	0.5026
0.21618	0.299709	3.79E-11	0.255386	2.18E-08	0.268373	3.80E-09	0.105144	0.02306
0.01257	0.053537	0.24822	-0.09211	0.04664	-0.1098	0.01762	-0.15536	0.00075
0.0001	0.198546	1.54E-05	0.098373	0.03356	-0.00565	0.90306	0.050288	0.27814
0.01806	0.365203	3.51E-16	0.202782	1.00E-05	0.230124	4.97E-07	0.09318	0.04416
1.73E-09	0.280335	7.01E-10	0.249678	4.55E-08	0.137095	0.00299	0.166199	0.00031

0.01172	0.301364	2.92E-11	0.069198	0.1354	0.079563	0.08589	0.066637	0.1505
1.22E-08	0.307526	1.10E-11	0.134293	0.00364	0.113137	0.01444	0.203855	8.99E-06
0.07475	0.349945	6.71E-15	0.157405	0.00064	0.183822	6.45E-05	0.121606	0.00852
0.26892	0.264965	6.07E-09	0.079221	0.08725	0.210898	4.28E-06	0.050229	0.2787
0.01723	0.332379	1.65E-13	0.263102	7.81E-09	0.277909	9.94E-10	0.20976	4.84E-06
6.03E-10	0.50146	4.17E-31	0.308085	1.00E-11	0.302254	2.54E-11	0.405947	5.92E-20
0.25752	0.262536	8.43E-09	0.203595	9.23E-06	0.245788	7.45E-08	0.027697	0.55048
1.09E-30	0.430536	1.70E-22	0.358722	1.25E-15	0.302282	2.53E-11	0.407271	4.37E-20
0.08084	0.38477	6.30E-18	0.119803	0.00956	0.167758	0.00027	0.149677	0.00118
1.53E-07	0.45551	2.66E-25	0.290813	1.49E-10	0.332854	1.52E-13	0.293872	9.35E-11
2.02E-12	0.225254	8.74E-07	0.201362	1.16E-05	0.142996	0.00195	0.24125	1.31E-07
1.15E-05	0.066051	0.15413	0.108536	0.01897	-0.0044	0.92453	0.09262	0.04545
2.90E-15	0.582546	8.77E-44	0.473955	1.58E-27	0.492397	6.84E-30	0.454882	3.15E-25
5.81E-05	0.145851	0.00158	0.121578	0.00854	0.07677	0.09752	-0.01263	0.78547
0.01233	0.055652	0.23	0.035425	0.44503	-0.00064	0.98892	0.076073	0.1006
0.0026	0.180162	9.04E-05	0.078337	0.09085	0.19061	3.38E-05	-0.00462	0.9206
2.36E-05	0.009963	0.82998	-0.02612	0.57337	-0.05915	0.202	0.069714	0.1325
6.65E-13	0.114311	0.01344	-0.00987	0.83154	-0.04258	0.35861	0.102129	0.02732
0.8374	-0.00593	0.89835	-0.11653	0.01173	-0.14261	0.00201	-0.08852	0.05594
6.39E-15	0.366154	2.91E-16	0.164817	0.00035	0.155346	0.00076	0.299069	4.19E-11
0.54888	0.274006	1.73E-09	0.245592	7.63E-08	0.308013	1.01E-11	0.175189	0.00014
1.28E-05	0.602564	1.72E-47	0.393307	9.99E-19	0.450893	9.14E-25	0.273272	1.92E-09
2.36E-07	0.24486	8.36E-08	0.041643	0.36924	0.005979	0.89746	0.297735	5.16E-11
0.0002	0.34896	8.08E-15	0.203186	9.63E-06	0.148961	0.00124	0.23072	4.64E-07
5.49E-11	0.1809	8.45E-05	0.17138	0.0002	0.016123	0.72821	0.145794	0.00158
0.45907	0.115539	0.01247	-0.12416	0.00723	-0.0512	0.26954	-0.02978	0.52089
4.06E-06	-0.00848	0.85491	-0.14567	0.0016	-0.11832	0.01049	-0.24928	4.79E-08
1.18E-12	0.224188	9.87E-07	0.218621	1.85E-06	0.22583	8.18E-07	0.229445	5.38E-07
0.00027	-0.12106	0.00883	-0.07064	0.12742	-0.11124	0.01617	-0.15103	0.00106
3.59E-09	0.46997	4.92E-27	0.312524	4.87E-12	0.383222	8.74E-18	0.33899	5.07E-14
1.61E-05	0.422008	1.36E-21	0.182124	7.55E-05	0.26995	3.06E-09	0.175712	0.00014
3.86E-18	0.557713	1.58E-39	0.338171	5.88E-14	0.32633	4.76E-13	0.365012	3.65E-16
1.55E-15	-0.04628	0.31833	0.017888	0.69983	0.121117	0.00879	-0.20046	1.27E-05
0.00111	0.236579	2.31E-07	0.076385	0.09921	0.151935	0.00099	0.047661	0.30405
0.00163	0.404828	7.64E-20	0.192542	2.80E-05	0.213859	3.11E-06	0.039418	0.39539
1.10E-07	0.33664	7.74E-14	0.153045	0.00091	0.18004	9.14E-05	0.20722	6.33E-06
7.39E-06	-0.06727	0.14666	0.030105	0.51635	-0.07208	0.11983	-0.00187	0.96792
0.00773	-0.12853	0.00541	-0.13562	0.00332	-0.17382	0.00016	-0.13376	0.00378
1.43E-12	0.237438	2.08E-07	0.089124	0.05427	-0.01983	0.66905	0.162735	0.00041
5.72E-14	0.398563	3.13E-19	0.338582	5.46E-14	0.334806	1.07E-13	0.403018	1.15E-19
0.384	0.095635	0.03884	-0.06201	0.18095	-0.02987	0.51969	-0.14466	0.00172
1.70E-14	0.601247	3.07E-47	0.343742	2.13E-14	0.343599	2.19E-14	0.415614	6.27E-21
2.34E-16	0.211042	4.22E-06	0.175443	0.00014	0.081303	0.07923	0.206142	7.08E-06
0.01437	0.157087	0.00066	0.191206	3.19E-05	0.085184	0.06588	-0.02121	0.64756
1.21E-14	0.390855	1.70E-18	0.318257	1.88E-12	0.304764	1.71E-11	0.322771	8.76E-13

3.78E-05	0.296661	6.09E-11	0.065583	0.15707	0.130201	0.00483	0.115752	0.01231
0.22053	-0.05948	0.19945	0.00732	0.87464	-0.02736	0.55539	-0.07182	0.12119
6.61E-07	0.195655	2.06E-05	0.067277	0.14661	-0.0107	0.81759	0.049316	0.28755
0.01124	0.345842	1.44E-14	0.067465	0.14548	0.145334	0.00164	0.133026	0.00398
0.00605	-0.31679	2.40E-12	-0.08109	0.08003	-0.27758	1.04E-09	-0.09657	0.03696
0.00027	0.295748	7.01E-11	0.338496	5.54E-14	0.47121	3.46E-27	0.164384	0.00036
0.0002	0.238635	1.80E-07	0.241279	1.30E-07	0.234219	3.07E-07	0.060769	0.18989
0.00674	0.307579	1.09E-11	0.138514	0.0027	0.189152	3.89E-05	0.137981	0.00281
0.55366	-0.18417	6.24E-05	-0.11775	0.01088	-0.16467	0.00035	-0.14804	0.00134
4.39E-06	0.51136	1.78E-32	0.19503	2.19E-05	0.192821	2.73E-05	0.122847	0.00787
2.96E-05	0.371527	9.86E-17	0.200341	1.29E-05	0.186095	5.21E-05	0.158581	0.00058
3.14E-23	0.305324	1.56E-11	0.222414	1.21E-06	0.153707	0.00086	0.294585	8.38E-11
0.01997	0.082884	0.07355	0.013803	0.76609	0.071635	0.12213	0.010748	0.81681
1.52E-07	0.312456	4.92E-12	0.201488	1.15E-05	0.113517	0.01411	0.196446	1.91E-05
0.00365	0.138311	0.00274	0.120546	0.00912	0.047292	0.30781	0.048567	0.29494
0.00504	0.154188	0.00083	0.236486	2.34E-07	0.144269	0.00177	0.117489	0.01105
8.44E-09	0.153499	0.00087	-0.00722	0.87631	0.007337	0.87436	0.149447	0.0012
9.50E-10	0.302309	2.52E-11	0.1541	0.00083	0.194906	2.22E-05	0.182312	7.42E-05
0.92116	0.077194	0.09567	0.121081	0.00881	0.158236	0.0006	0.026781	0.56374
4.25E-05	0.146049	0.00155	0.095047	0.04006	-0.0037	0.93652	0.081697	0.07778
0.12775	0.081926	0.07695	0.021753	0.63915	-0.03408	0.46251	-0.05057	0.27542
0.30976	0.178425	0.00011	0.080372	0.08274	0.056683	0.22147	0.048847	0.29217
0.01253	0.229886	5.11E-07	0.036708	0.4287	0.135406	0.00337	-0.11792	0.01076
4.80E-08	0.152458	0.00095	0.026072	0.57412	-0.09513	0.03988	0.104104	0.02446
5.94E-09	0.392826	1.11E-18	0.350114	6.50E-15	0.393365	9.86E-19	0.34677	1.22E-14
1.15E-06	0.172697	0.00018	0.083057	0.07295	0.096399	0.0373	0.205089	7.91E-06
0.67494	0.05098	0.27157	0.082035	0.07656	0.082055	0.07648	-0.01427	0.75841
4.65E-05	0.174892	0.00015	0.03795	0.41324	0.078324	0.0909	0.056839	0.2202
0.06276	0.421862	1.41E-21	0.174664	0.00015	0.198013	1.63E-05	0.129694	0.005
7.59E-12	0.385897	4.95E-18	0.282605	5.04E-10	0.202682	1.01E-05	0.321718	1.05E-12
3.01E-09	-0.07815	0.09161	0.054749	0.23766	0.043093	0.35279	-0.12053	0.00913
0.002	-0.08748	0.05888	-0.05827	0.20876	-0.17338	0.00017	-0.06724	0.14683
3.87E-27	0.285977	3.07E-10	0.1257	0.00653	0.075036	0.10534	0.225965	8.06E-07
1.95E-15	0.360932	8.15E-16	0.201207	1.18E-05	0.174216	0.00015	0.228667	5.90E-07
0.38671	0.416253	5.39E-21	0.19072	3.35E-05	0.205253	7.77E-06	0.09964	0.03133
1.15E-05	0.180609	8.68E-05	0.056072	0.22649	0.046079	0.3204	0.048623	0.29438
8.79E-07	0.143677	0.00185	-0.00692	0.88139	-0.09755	0.03507	0.134122	0.00369
1.22E-20	0.490932	1.07E-29	0.307627	1.08E-11	0.298016	4.94E-11	0.52871	5.46E-35
2.56E-05	0.155096	0.00077	0.216491	2.34E-06	0.243041	1.05E-07	0.070294	0.1293
1.39E-09	0.292649	1.13E-10	0.256919	1.78E-08	0.165158	0.00034	0.231738	4.11E-07
6.17E-09	0.318944	1.68E-12	0.242171	1.17E-07	0.187597	4.51E-05	0.243266	1.02E-07
0.00445	0.270631	2.78E-09	0.11532	0.01264	0.057395	0.21571	0.027853	0.54824
2.85E-06	0.528105	6.72E-35	0.282293	5.27E-10	0.34305	2.42E-14	0.256923	1.78E-08
2.50E-17	0.517468	2.41E-33	0.361138	7.83E-16	0.334753	1.08E-13	0.323913	7.21E-13
2.06E-06	0.381808	1.18E-17	0.253647	2.73E-08	0.224242	9.81E-07	0.256718	1.83E-08

1.18E-06	0.449021	1.50E-24	0.281117	6.26E-10	0.290457	1.57E-10	0.226457	7.61E-07
1.17E-24	0.517026	2.79E-33	0.365838	3.10E-16	0.31709	2.29E-12	0.444306	5.15E-24
4.73E-18	0.391856	1.37E-18	0.330061	2.49E-13	0.259514	1.26E-08	0.390011	2.05E-18
2.17E-09	0.367558	2.20E-16	0.309991	7.36E-12	0.233327	3.41E-07	0.246116	7.15E-08
3.62E-09	0.351751	4.77E-15	0.30488	1.68E-11	0.30754	1.09E-11	0.341839	3.02E-14
0.09542	0.255425	2.17E-08	0.182886	7.03E-05	0.191162	3.21E-05	-0.06581	0.15566
1.55E-09	0.359325	1.12E-15	0.129558	0.00505	0.149647	0.00118	0.168643	0.00025
2.44E-08	0.146688	0.00148	0.06952	0.13358	0.051256	0.26898	0.225196	8.80E-07
1.20E-11	0.160068	0.00052	0.08023	0.08329	0.065379	0.15837	0.201575	1.14E-05
5.08E-08	0.395664	5.95E-19	0.194153	2.39E-05	0.236267	2.40E-07	0.187953	4.36E-05
0.89581	0.098052	0.03415	-0.08866	0.05555	-0.09099	0.0494	-0.05791	0.21159
0.05801	0.136457	0.00313	0.067834	0.14329	0.026617	0.56613	0.080257	0.08318
7.78E-08	0.467944	8.70E-27	0.241851	1.22E-07	0.252875	3.02E-08	0.214575	2.88E-06
0.18042	0.133446	0.00386	0.034073	0.4626	0.100142	0.03048	-0.04233	0.36135
1.65E-06	0.15111	0.00105	0.170276	0.00022	0.137117	0.00299	0.111712	0.01573
0.0066	0.095875	0.03835	0.093429	0.04359	0.187324	4.63E-05	-0.03806	0.41186
3.31E-17	0.585529	2.55E-44	0.350663	5.86E-15	0.374858	5.00E-17	0.281209	6.17E-10
0.9276	0.125856	0.00646	-0.00061	0.98959	0.032816	0.47929	-0.02426	0.60096
0.00018	0.178937	0.0001	0.23214	3.92E-07	0.203693	9.14E-06	0.167523	0.00028
2.54E-27	0.389509	2.28E-18	0.28232	5.25E-10	0.200433	1.28E-05	0.414685	7.81E-21
0.00097	0.132991	0.00399	0.112356	0.01513	0.084572	0.06785	0.122535	0.00803
0.11442	0.30119	3.01E-11	0.196891	1.82E-05	0.210867	4.30E-06	0.10983	0.01758
4.98E-08	0.339721	4.44E-14	0.252759	3.06E-08	0.277895	9.96E-10	0.227715	6.58E-07
4.06E-12	0.495888	2.35E-30	0.315767	2.85E-12	0.30754	1.09E-11	0.353491	3.43E-15
0.13435	0.223907	1.02E-06	0.14695	0.00145	0.141427	0.00219	0.114341	0.01342
8.49E-05	0.400959	1.83E-19	0.178512	0.00011	0.224012	1.01E-06	0.269821	3.11E-09
0.00036	0.032549	0.48288	-0.0556	0.23042	-0.08924	0.05397	0.039539	0.39395
0.15103	-0.19697	1.81E-05	-0.1711	0.0002	-0.19797	1.64E-05	-0.14859	0.00128
5.02E-27	0.573815	3.02E-42	0.406229	5.55E-20	0.385024	5.97E-18	0.346374	1.31E-14
6.46E-07	0.440548	1.36E-23	0.392308	1.24E-18	0.416097	5.59E-21	0.281539	5.88E-10
0.01196	0.225093	8.90E-07	0.111131	0.01628	0.12707	0.00596	0.07991	0.08453
0.00049	0.164748	0.00035	0.082458	0.07504	0.085654	0.06439	0.187347	4.62E-05
0.25164	-0.30215	2.58E-11	-0.13645	0.00313	-0.21496	2.76E-06	-0.11459	0.01322
0.00217	0.228821	5.79E-07	0.259139	1.33E-08	0.220711	1.46E-06	0.149743	0.00117
0.00157	-0.2684	3.79E-09	-0.13566	0.00331	-0.16965	0.00023	-0.14089	0.00227
8.04E-29	0.45259	5.82E-25	0.29907	4.19E-11	0.217284	2.14E-06	0.354243	2.97E-15
1.48E-19	0.606787	2.63E-48	0.387503	3.51E-18	0.36238	6.14E-16	0.432939	9.32E-23
4.81E-12	0.443362	6.58E-24	0.313554	4.11E-12	0.291282	1.39E-10	0.333077	1.46E-13
1.55E-10	0.308467	9.42E-12	0.180239	8.98E-05	0.125548	0.0066	0.138417	0.00272
1.54E-08	0.205112	7.89E-06	0.029619	0.52315	0.005965	0.8977	0.028153	0.54393
7.34E-18	0.447538	2.21E-24	0.224279	9.77E-07	0.171265	0.0002	0.247912	5.70E-08
0.00709	0.153515	0.00087	0.089194	0.05408	0.109381	0.01805	0.095733	0.03864
1.12E-22	0.376477	3.58E-17	0.310483	6.79E-12	0.247076	6.33E-08	0.361319	7.56E-16
4.10E-15	0.295038	7.82E-11	0.1804	8.85E-05	0.134719	0.00354	0.233619	3.29E-07
0.38738	0.046175	0.31939	0.040343	0.38438	0.045581	0.32566	-0.04676	0.31331

0.00338	-0.09691	0.0363	-0.10208	0.02739	-0.09098	0.04943	-0.1174	0.01112
6.39E-17	0.320985	1.19E-12	0.308102	9.99E-12	0.251145	3.77E-08	0.401473	1.63E-19
0.07146	0.122158	0.00822	0.08084	0.08096	0.085674	0.06433	-0.02019	0.66341
0.00054	0.167219	0.00028	0.130643	0.00469	0.095991	0.03812	0.067516	0.14518
8.81E-06	0.389803	2.14E-18	0.285528	3.28E-10	0.330915	2.14E-13	0.256484	1.89E-08
6.73E-10	0.580916	1.71E-43	0.318426	1.83E-12	0.323105	8.28E-13	0.170275	0.00022
0.00286	0.068529	0.13922	-0.01891	0.68363	-0.03179	0.49315	-0.04611	0.32003
0.37228	0.246664	6.67E-08	0.15984	0.00053	0.236554	2.32E-07	0.110803	0.0166
0.44089	0.185665	5.42E-05	0.096194	0.03771	0.079363	0.08668	0.018889	0.68391
5.62E-30	0.495777	2.43E-30	0.344164	1.97E-14	0.315575	2.94E-12	0.41662	4.94E-21
4.12E-19	0.380754	1.47E-17	0.195471	2.10E-05	0.242577	1.11E-07	0.259635	1.24E-08
0.00599	-0.26067	1.08E-08	0.030546	0.51022	-0.03816	0.41065	-0.08469	0.06745
0.0003	0.052191	0.26033	0.077309	0.09518	-0.01134	0.80696	0.07019	0.12987
0.93335	-0.19679	1.84E-05	-0.09161	0.04786	-0.12465	0.007	-0.1055	0.0226
0.17698	0.188353	4.20E-05	0.129786	0.00497	0.144054	0.0018	0.118522	0.01036
4.40E-06	0.05419	0.2425	0.001553	0.97329	-0.00435	0.92531	0.132605	0.0041
0.00327	0.064105	0.16666	0.10163	0.02809	0.041355	0.37256	0.021578	0.64185
0.31804	0.09795	0.03433	0.023175	0.6174	-0.01455	0.7539	-0.02831	0.54165
4.41E-15	0.032014	0.4901	0.004935	0.9153	-0.03349	0.47028	0.045216	0.32956
0.05011	0.167996	0.00027	0.155859	0.00073	0.205205	7.81E-06	0.013753	0.7669
1.36E-11	0.45809	1.32E-25	0.290192	1.63E-10	0.319083	1.64E-12	0.349052	7.94E-15
0.44495	0.348328	9.09E-15	0.124195	0.00721	0.201324	1.17E-05	0.126938	0.00602
0.00196	0.308588	9.24E-12	0.194943	2.21E-05	0.234111	3.11E-07	0.267054	4.56E-09
0.06634	0.253346	2.84E-08	0.140417	0.00235	0.161827	0.00045	0.066123	0.15368
4.02E-05	0.422974	1.08E-21	0.221362	1.36E-06	0.248483	5.30E-08	0.307493	1.10E-11
0.02318	0.226864	7.26E-07	0.0006	0.98968	0.042713	0.35706	0.042809	0.35598
2.12E-09	0.403235	1.10E-19	0.297838	5.07E-11	0.262266	8.74E-09	0.23217	3.91E-07
1.46E-07	0.30814	9.93E-12	0.322867	8.62E-13	0.297042	5.74E-11	0.150249	0.00113
0.00024	0.103835	0.02484	-0.00633	0.89153	-0.06932	0.13473	-0.01873	0.68643
0.04337	0.297417	5.42E-11	0.201421	1.15E-05	0.25128	3.71E-08	0.175335	0.00014
5.07E-13	0.432812	9.62E-23	0.315125	3.17E-12	0.305194	1.59E-11	0.315007	3.23E-12
0.00162	0.034424	0.458	-0.02112	0.64891	-0.07492	0.10589	0.082501	0.07489
3.97E-09	0.097999	0.03424	0.042785	0.35625	-0.01442	0.75589	0.147705	0.00137
0.14201	0.163638	0.00038	-0.00142	0.97553	-0.02471	0.59429	-0.02236	0.62985
0.14774	0.274436	1.63E-09	0.064884	0.16155	0.228808	5.80E-07	0.071876	0.12088
0.90617	0.017724	0.70245	-0.01258	0.78626	-0.13369	0.0038	-0.04555	0.32604
0.57757	-0.26451	6.46E-09	-0.04425	0.34003	-0.18481	5.88E-05	-0.13016	0.00485
0.14713	0.152117	0.00097	0.237622	2.04E-07	0.168492	0.00025	0.074463	0.10804
3.64E-10	-0.25575	2.08E-08	-0.15661	0.00068	-0.09767	0.03486	-0.20518	7.83E-06
6.75E-17	0.186942	4.80E-05	0.193726	2.50E-05	0.106637	0.02118	0.267763	4.14E-09
0.39346	-0.29313	1.05E-10	-0.11796	0.01073	-0.24914	4.87E-08	-0.12402	0.00729
0.27612	0.335352	9.75E-14	0.20802	5.82E-06	0.214066	3.04E-06	0.222337	1.22E-06
2.14E-05	0.050494	0.27618	-0.06704	0.14806	-0.09614	0.03782	-0.00699	0.88023
9.69E-26	0.17652	0.00013	0.069548	0.13342	-0.06886	0.13731	0.252345	3.23E-08
8.08E-30	0.319144	1.62E-12	0.233351	3.40E-07	0.169767	0.00023	0.297005	5.77E-11

0.02096	0.187096	4.74E-05	0.129806	0.00496	0.279158	8.31E-10	0.02816	0.54383
1.09E-07	-0.07944	0.08637	-0.05944	0.19974	-0.17226	0.00018	0.052389	0.25853
0.41163	0.084447	0.06826	0.040818	0.37881	0.093837	0.04267	0.212962	3.43E-06
1.05E-06	0.225554	8.44E-07	0.075391	0.1037	0.056774	0.22073	0.126472	0.0062
0.02197	0.256148	1.97E-08	0.070792	0.1266	0.084385	0.06847	0.055568	0.2307
7.61E-08	0.192053	2.94E-05	-0.00893	0.84736	-0.07681	0.09734	0.072082	0.11981
0.00022	0.082241	0.07582	-0.04668	0.31408	-0.08851	0.05597	-0.00351	0.93972
2.70E-29	0.51607	3.82E-33	0.350368	6.20E-15	0.293115	1.05E-10	0.371565	9.79E-17
1.15E-14	0.299445	3.95E-11	0.215335	2.65E-06	0.163923	0.00038	0.276376	1.24E-09
0.00013	0.227152	7.03E-07	0.145484	0.00162	0.102409	0.0269	0.161276	0.00047
1.74E-12	0.4201	2.16E-21	0.182343	7.40E-05	0.186692	4.92E-05	0.17756	0.00011
7.77E-18	0.311825	5.46E-12	0.093609	0.04318	0.061414	0.18522	0.212139	3.75E-06
0.00167	0.341848	3.01E-14	0.125885	0.00645	0.153442	0.00088	0.049482	0.28592
1.29E-09	0.189113	3.91E-05	0.169299	0.00024	0.136068	0.00322	0.186586	4.97E-05
0.57444	0.352611	4.06E-15	0.157168	0.00065	0.203319	9.50E-06	0.125173	0.00676
0.27764	0.076645	0.09806	0.132571	0.00411	0.045679	0.32462	0.293344	1.01E-10
0.17557	0.255961	2.02E-08	0.134913	0.00349	0.124917	0.00688	0.064014	0.16726
3.11E-16	0.357995	1.44E-15	0.284918	3.59E-10	0.276452	1.22E-09	0.261538	9.64E-09
0.00081	0.305667	1.48E-11	0.240014	1.52E-07	0.187256	4.66E-05	0.166658	0.0003
2.88E-08	0.457928	1.38E-25	0.295556	7.22E-11	0.309364	8.15E-12	0.194851	2.23E-05
0.22304	0.033687	0.4677	0.121003	0.00886	0.139034	0.0026	0.043882	0.34404
0.27775	0.161498	0.00046	0.000433	0.99256	0.014739	0.75073	-0.02755	0.55263
0.00154	0.197921	1.64E-05	0.311109	6.13E-12	0.234247	3.06E-07	0.154106	0.00083
1.40E-11	0.315068	3.20E-12	0.327135	4.14E-13	0.308736	9.02E-12	0.238592	1.81E-07
0.00663	0.362548	5.94E-16	0.1775	0.00012	0.197641	1.69E-05	0.178881	0.0001
0.00736	0.38473	6.35E-18	0.143665	0.00186	0.195633	2.07E-05	0.107699	0.01992
0.09645	0.297021	5.76E-11	0.137706	0.00286	0.158906	0.00057	0.08974	0.05262
0.02553	0.064797	0.16212	0.151186	0.00105	0.246923	6.46E-08	0.028271	0.54225
0.00892	0.148361	0.0013	0.117567	0.011	0.073568	0.11235	-0.00589	0.89904
0.00094	0.204245	8.63E-06	0.169734	0.00023	0.135432	0.00336	0.161392	0.00046
0.01847	-0.04815	0.29911	-0.11967	0.00964	-0.17587	0.00013	-0.04962	0.2846
0.25934	0.157284	0.00065	0.081356	0.07903	0.118014	0.0107	0.103478	0.02534
4.18E-08	0.607116	2.27E-48	0.459999	7.86E-26	0.422144	1.32E-21	0.421649	1.49E-21
1.38E-18	0.218991	1.77E-06	0.088567	0.0558	0.0725	0.11768	0.260556	1.10E-08
1.12E-09	0.371201	1.05E-16	0.268525	3.73E-09	0.326277	4.80E-13	0.29532	7.49E-11
0.21581	0.15798	0.00061	0.089171	0.05414	0.102809	0.02631	0.0119	0.79758
8.28E-13	0.457571	1.52E-25	0.168672	0.00025	0.219453	1.68E-06	0.229944	5.08E-07
0.00083	0.076197	0.10005	0.012276	0.79133	-0.0398	0.39087	0.060816	0.18954
3.49E-27	0.517876	2.10E-33	0.376858	3.31E-17	0.420099	2.16E-21	0.482376	1.37E-28
0.24672	0.325081	5.90E-13	0.217519	2.09E-06	0.302987	2.26E-11	0.172745	0.00018
0.74351	0.110909	0.0165	0.061931	0.18154	0.0316	0.49573	0.2113	4.10E-06
0.52133	0.110383	0.01702	-0.057	0.21889	-0.05537	0.2324	-0.00747	0.87204
7.42E-08	0.075515	0.10313	0.065997	0.15447	0.016019	0.72989	0.119486	0.00975
1.68E-21	0.050119	0.27976	0.130571	0.00471	0.006715	0.88492	0.227678	6.61E-07
7.76E-16	0.38945	2.31E-18	0.101651	0.02806	0.078028	0.09214	0.182226	7.48E-05



2.59E-22	0.60199	2.22E-47	0.413237	1.10E-20	0.387384	3.60E-18	0.457917	1.39E-25
7.67E-12	0.575046	1.85E-42	0.365139	3.56E-16	0.371773	9.38E-17	0.371893	9.16E-17
1.38E-10	0.470216	4.59E-27	0.385886	4.97E-18	0.360163	9.47E-16	0.363279	5.14E-16
0.00014	0.46612	1.45E-26	0.327298	4.02E-13	0.269177	3.40E-09	0.277794	1.01E-09
4.76E-17	0.440156	1.50E-23	0.303206	2.19E-11	0.310515	6.76E-12	0.367195	2.36E-16
0.01047	0.114748	0.01309	-0.05696	0.21925	-0.10701	0.02072	0.006481	0.88891
6.68E-20	0.428485	2.82E-22	0.300073	3.58E-11	0.31096	6.29E-12	0.359061	1.17E-15
0.22	-0.05039	0.2772	-0.00185	0.96811	-0.00718	0.87697	-0.05492	0.23618
3.95E-10	0.389345	2.36E-18	0.24403	9.28E-08	0.292339	1.18E-10	0.307509	1.10E-11
2.41E-05	0.373383	6.76E-17	0.265156	5.91E-09	0.321397	1.11E-12	0.260243	1.15E-08
0.16687	0.178552	0.0001	0.085104	0.06613	0.121422	0.00862	0.094261	0.04174
0.00145	0.332694	1.56E-13	0.250673	4.01E-08	0.235697	2.57E-07	0.195745	2.04E-05
2.57E-14	0.271823	2.36E-09	0.159663	0.00053	0.108555	0.01895	0.190746	3.34E-05
1.89E-20	0.451638	7.50E-25	0.38953	2.27E-18	0.340727	3.70E-14	0.396681	4.75E-19
0.00291	-0.18224	7.47E-05	0.055391	0.2322	-0.02106	0.64982	-0.05772	0.21311
0.00011	0.369333	1.54E-16	0.179824	9.32E-05	0.277587	1.04E-09	0.179517	9.59E-05
3.64E-18	0.397126	4.31E-19	0.164574	0.00036	0.113351	0.01425	0.228684	5.88E-07
4.78E-07	0.297413	5.42E-11	0.185933	5.29E-05	0.166555	0.0003	0.109324	0.01811
1.46E-07	0.236206	2.42E-07	0.184015	6.33E-05	0.20219	1.07E-05	0.195747	2.04E-05
0.62293	0.201352	1.16E-05	-0.01141	0.80571	-0.03339	0.47169	-0.05332	0.25018
1.22E-06	0.202497	1.03E-05	0.153897	0.00085	0.088151	0.05697	0.041898	0.36632
0.0007	0.285187	3.45E-10	0.273813	1.78E-09	0.29078	1.49E-10	0.264653	6.33E-09
0.64162	0.091914	0.04713	0.154568	0.0008	0.175641	0.00014	0.045699	0.32441
0.01746	0.203109	9.70E-06	0.089204	0.05405	0.124701	0.00697	0.10306	0.02594
5.87E-11	0.338613	5.43E-14	0.234397	3.00E-07	0.203737	9.10E-06	0.12967	0.00501
0.00011	0.310781	6.47E-12	0.150785	0.00108	0.123077	0.00775	0.088898	0.05489
0.72745	-0.08131	0.07919	-0.04321	0.35144	-0.04724	0.30834	-0.0426	0.35836
0.69412	0.157384	0.00064	0.041333	0.37282	0.156477	0.00069	0.141737	0.00214
1.45E-05	0.454718	3.29E-25	0.259562	1.26E-08	0.291022	1.44E-10	0.143434	0.00189
3.12E-06	0.129929	0.00492	0.131325	0.00447	0.070583	0.12773	0.114347	0.01342
2.84E-06	0.594056	6.97E-46	0.399707	2.42E-19	0.452442	6.05E-25	0.301399	2.91E-11
1.04E-08	0.421381	1.59E-21	0.320255	1.34E-12	0.361123	7.85E-16	0.311897	5.39E-12
0.00316	-0.09524	0.03967	-0.0099	0.83105	-0.09987	0.03095	-0.05165	0.26534
0.29468	0.010927	0.81382	-0.096	0.0381	-0.09484	0.04049	-0.05195	0.26251
0.2632	0.001661	0.97145	0.034065	0.46271	-0.01389	0.76466	-0.03911	0.3991
0.10135	0.205205	7.81E-06	0.253226	2.88E-08	0.269164	3.41E-09	0.079541	0.08598
1.04E-10	0.272458	2.15E-09	0.1449	0.00169	0.132681	0.00408	0.158271	0.0006
1.67E-22	0.438215	2.46E-23	0.291977	1.25E-10	0.307883	1.04E-11	0.446384	3.00E-24
3.66E-07	0.587344	1.20E-44	0.421445	1.56E-21	0.42271	1.15E-21	0.345669	1.49E-14
0.22026	0.183077	6.91E-05	0.063549	0.17037	0.053788	0.24601	-0.07149	0.12289
1.94E-11	0.417086	4.43E-21	0.265811	5.41E-09	0.263272	7.64E-09	0.263338	7.57E-09
0.00073	0.291405	1.36E-10	0.188527	4.13E-05	0.163454	0.00039	0.215372	2.64E-06
3.81E-27	0.389075	2.50E-18	0.354767	2.69E-15	0.306789	1.23E-11	0.447255	2.39E-24
2.86E-15	0.452643	5.74E-25	0.251396	3.65E-08	0.24563	7.60E-08	0.268916	3.53E-09
0.01023	0.212037	3.79E-06	0.159532	0.00054	0.200669	1.25E-05	0.150413	0.00111

2.73E-08	0.59054	3.11E-45	0.395154	6.66E-19	0.348866	8.22E-15	0.295146	7.69E-11
0.00022	-0.27069	2.76E-09	-0.10992	0.01749	-0.22957	5.31E-07	-0.15669	0.00068
4.58E-11	0.417174	4.34E-21	0.411745	1.55E-20	0.384978	6.02E-18	0.361386	7.46E-16
8.55E-06	0.361105	7.88E-16	0.294752	8.17E-11	0.274566	1.60E-09	0.18274	7.13E-05
0.00203	0.213558	3.22E-06	0.231241	4.36E-07	0.275357	1.43E-09	0.126591	0.00616
0.03019	0.139701	0.00248	0.242435	1.13E-07	0.272312	2.20E-09	0.036168	0.43553
0.00126	0.160698	0.00049	0.227799	6.52E-07	0.225254	8.74E-07	0.095738	0.03863
0.01298	0.077723	0.09341	0.051527	0.26646	-0.02007	0.66533	0.216647	2.30E-06
0.00042	0.160728	0.00049	0.224805	9.20E-07	0.273553	1.85E-09	0.131519	0.00441
0.00034	0.165147	0.00034	0.212794	3.49E-06	0.24504	8.18E-08	0.048165	0.29896
8.12E-05	-0.11895	0.01009	-0.30731	1.14E-11	-0.28531	3.38E-10	-0.22941	5.40E-07
1.64E-21	-0.03998	0.38869	-0.02404	0.60433	-0.16172	0.00045	0.192974	2.69E-05
0.00167	0.238963	1.73E-07	0.290801	1.49E-10	0.358068	1.42E-15	0.081059	0.08014
0.2765	-0.0795	0.08614	0.014763	0.75034	0.097132	0.03587	-0.06346	0.171
1.18E-17	0.143376	0.0019	0.001389	0.97612	-0.09524	0.03965	0.290138	1.65E-10
2.59E-07	0.090103	0.05167	0.203385	9.43E-06	0.304087	1.90E-11	0.030246	0.51438
0.00035	0.135668	0.00331	0.104604	0.02378	0.180775	8.55E-05	0.108531	0.01898
0.71354	-0.02592	0.57641	0.016426	0.72331	0.011425	0.80549	-0.08371	0.07071
0.00804	0.223939	1.02E-06	0.218715	1.83E-06	0.285569	3.26E-10	0.28213	5.40E-10
0.54999	-0.10185	0.02775	0.004993	0.9143	-0.02034	0.66116	-0.11509	0.01282
0.00259	0.004669	0.91984	0.032647	0.48155	0.113148	0.01443	-0.02862	0.5373
0.21439	-0.09635	0.03739	0.000631	0.98915	-0.00152	0.9738	-0.1138	0.01387
0.04565	-0.08584	0.06381	0.126776	0.00608	0.077287	0.09528	0.096486	0.03713
0.9414	0.106088	0.02185	0.066054	0.15411	-0.0305	0.51086	0.086726	0.06111
0.00027	-0.03912	0.39901	-0.21813	1.95E-06	-0.20326	9.56E-06	-0.1116	0.01583
8.66E-13	0.067161	0.14731	0.136971	0.00302	0.233238	3.45E-07	-0.1182	0.01057
0.003	0.223648	1.05E-06	0.343555	2.20E-14	0.361388	7.46E-16	0.245557	7.67E-08
1.26E-08	0.134724	0.00354	0.06772	0.14396	0.222239	1.23E-06	-0.1082	0.01934
0.02299	0.201503	1.14E-05	0.185443	5.54E-05	0.28047	6.87E-10	0.191143	3.21E-05
0.00087	0.086135	0.06291	0.183496	6.64E-05	0.202315	1.05E-05	-0.05356	0.24801
0.07424	0.23103	4.47E-07	0.284423	3.86E-10	0.301297	2.96E-11	0.185064	5.74E-05
0.13909	-0.00189	0.96749	0.113477	0.01414	0.073055	0.11489	-0.0622	0.17963
0.00741	0.080447	0.08245	0.276723	1.18E-09	0.248484	5.30E-08	0.125189	0.00675
0.04973	0.156659	0.00068	0.139096	0.00259	0.334332	1.17E-13	0.056953	0.21928
0.02397	-0.0256	0.58104	-0.01741	0.70752	0.07683	0.09726	-0.17043	0.00022
0.00066	0.174602	0.00015	0.247984	5.65E-08	0.369467	1.50E-16	0.047067	0.31012
0.19707	0.017206	0.71075	0.146859	0.00146	0.287841	2.32E-10	-0.01068	0.81799
0.00352	-0.07971	0.08529	0.107777	0.01983	0.144556	0.00174	0.042407	0.36052
0.0004	0.004906	0.91579	0.078007	0.09222	0.201153	1.19E-05	0.0009	0.98452
0.00121	0.014155	0.7603	0.041228	0.37404	0.145354	0.00164	-0.06186	0.18205
0.90588	0.111018	0.01639	0.17033	0.00022	0.228497	6.01E-07	0.069039	0.1363
0.37149	0.045451	0.32705	0.156302	0.0007	0.176878	0.00012	-0.02545	0.58332
0.18702	0.315048	3.21E-12	0.166674	0.0003	0.25778	1.59E-08	-0.02308	0.61878
0.36925	-0.20105	1.20E-05	-0.26327	7.64E-09	-0.27418	1.69E-09	-0.02363	0.61045
0.01018	0.115862	0.01223	0.145217	0.00165	0.256924	1.78E-08	-0.01073	0.81719

1.69E-05	-0.05132	0.26835	0.063507	0.17066	-0.01751	0.70586	-0.02081	0.65382
5.62E-10	-0.14957	0.00119	-0.05479	0.23733	0.007902	0.86476	-0.24278	1.08E-07
0.05944	0.052685	0.25584	0.137393	0.00293	0.218101	1.96E-06	0.032476	0.48386
0.81688	0.049431	0.28642	0.154371	0.00082	0.212052	3.78E-06	0.046592	0.31503
3.73E-05	0.08502	0.0664	0.204972	8.00E-06	0.12399	0.0073	0.100426	0.03001
1.83E-05	-0.00796	0.86379	-0.05191	0.26294	-0.12501	0.00683	0.139817	0.00246
0.00078	-0.20265	1.02E-05	-0.10958	0.01785	-0.14553	0.00161	-0.08641	0.06206
5.60E-08	-0.27438	1.64E-09	-0.18177	7.80E-05	-0.22125	1.38E-06	-0.23374	3.25E-07
5.61E-08	0.149021	0.00124	0.334214	1.19E-13	0.354659	2.74E-15	0.200129	1.32E-05
5.60E-05	0.009523	0.83738	-0.04682	0.31262	-0.10279	0.02634	-0.02103	0.65028
0.00143	0.233878	3.19E-07	0.213051	3.40E-06	0.35413	3.04E-15	0.249361	4.74E-08
0.64599	0.254636	2.40E-08	0.174289	0.00015	0.29016	1.64E-10	0.100135	0.0305
0.00054	0.199714	1.37E-05	0.226309	7.74E-07	0.280851	6.50E-10	0.153136	0.0009
6.00E-26	0.051921	0.26281	0.019645	0.67197	-0.1242	0.0072	0.300413	3.40E-11
9.73E-06	0.171202	0.0002	0.192286	2.87E-05	0.209585	4.93E-06	0.12474	0.00696
0.11072	0.187877	4.40E-05	0.237025	2.19E-07	0.333334	1.40E-13	-0.00296	0.94911
8.10E-07	0.062522	0.1774	0.101167	0.02882	0.114026	0.01368	0.085928	0.06354
0.61784	-0.07927	0.08705	0.148496	0.00129	0.094127	0.04204	0.054778	0.23742
1.27E-06	-0.51189	1.49E-32	-0.39642	5.03E-19	-0.40193	1.47E-19	-0.34306	2.41E-14
0.99954	0.06308	0.17356	0.290373	1.59E-10	0.264219	6.72E-09	0.153125	0.0009
0.00143	0.135454	0.00336	0.176775	0.00012	0.18597	5.27E-05	0.067479	0.1454
0.00145	-0.08689	0.06062	-0.05315	0.25162	-0.12163	0.00851	-0.08857	0.05579
0.00216	0.214034	3.05E-06	0.276744	1.17E-09	0.311278	5.97E-12	0.274126	1.70E-09
0.01128	0.127107	0.00595	0.195831	2.03E-05	0.246702	6.64E-08	0.250678	4.01E-08
3.41E-06	0.234567	2.94E-07	0.253386	2.83E-08	0.300365	3.42E-11	0.158987	0.00056
0.00809	0.318489	1.81E-12	0.294083	9.05E-11	0.390604	1.80E-18	0.026926	0.56163
0.13033	0.13757	0.00289	0.197356	1.74E-05	0.266175	5.15E-09	0.008873	0.84834
0.00011	0.08232	0.07553	0.210537	4.45E-06	0.379545	1.89E-17	-0.01439	0.75645
0.01028	0.205558	7.53E-06	0.159705	0.00053	0.162045	0.00044	0.228114	6.29E-07
0.54543	0.193584	2.53E-05	0.049794	0.2829	-0.03022	0.51474	0.065893	0.15511
0.00469	0.198349	1.58E-05	0.221999	1.27E-06	0.23846	1.84E-07	0.025984	0.57541
0.22042	0.34249	2.68E-14	0.302396	2.49E-11	0.469789	5.18E-27	0.185648	5.43E-05
0.00404	0.038187	0.41032	-0.15358	0.00087	-0.18994	3.61E-05	-0.06792	0.14279
3.55E-11	0.149396	0.0012	0.239923	1.54E-07	0.178226	0.00011	0.204518	8.39E-06
0.15781	-0.08401	0.06972	0.056567	0.22241	0.072179	0.11931	-0.11258	0.01493
0.51416	0.024066	0.60393	0.12289	0.00785	0.126538	0.00618	-0.03254	0.48301
0.21887	0.119658	0.00965	0.224281	9.77E-07	0.279073	8.41E-10	0.084581	0.06782
0.94264	-0.33419	1.20E-13	-0.23771	2.02E-07	-0.36555	3.28E-16	-0.04198	0.36538
0.02823	0.340197	4.07E-14	0.329294	2.84E-13	0.365013	3.65E-16	0.104278	0.02422
0.02643	0.134757	0.00353	0.235168	2.74E-07	0.234829	2.85E-07	0.168877	0.00025
1.04E-09	0.013332	0.77384	0.175474	0.00014	0.265492	5.65E-09	-0.11524	0.01271
4.20E-07	-0.47871	4.01E-28	-0.26056	1.10E-08	-0.37248	8.13E-17	-0.27475	1.56E-09
0.70377	-0.2223	1.22E-06	-0.05268	0.25586	-0.2029	9.92E-06	0.039673	0.39234
0.46036	0.002088	0.9641	0.002442	0.95802	0.027095	0.55917	-0.15834	0.00059
0.03392	0.182512	7.28E-05	0.175699	0.00014	0.241837	1.22E-07	0.177755	0.00011

0.0029	0.072657	0.11688	0.070729	0.12694	0.143854	0.00183	-0.10641	0.02146
3.87E-10	0.253707	2.71E-08	0.34683	1.20E-14	0.2773	1.08E-09	0.188917	3.98E-05
0.00615	0.180641	8.65E-05	0.146201	0.00153	0.175231	0.00014	0.025052	0.58918
0.00787	0.205394	7.66E-06	0.240326	1.47E-07	0.301929	2.68E-11	0.06562	0.15684
1.46E-07	0.045944	0.32182	0.072359	0.1184	0.249031	4.94E-08	-0.09114	0.04903
0.00467	0.1982	1.60E-05	0.150452	0.00111	0.277738	1.02E-09	0.258928	1.37E-08
0.66509	0.152626	0.00094	0.205965	7.22E-06	0.315944	2.77E-12	0.070424	0.12859
0.06153	0.257044	1.75E-08	0.329073	2.95E-13	0.281483	5.93E-10	0.261844	9.26E-09
0.03364	0.12384	0.00738	0.245324	7.89E-08	0.278079	9.70E-10	0.067326	0.14632
0.49302	-0.01072	0.81727	-0.01073	0.81715	-0.15803	0.00061	0.057411	0.21558
6.11E-05	0.153016	0.00091	0.186957	4.80E-05	0.253021	2.96E-08	-0.06221	0.17957
0.00124	0.274817	1.54E-09	0.406401	5.33E-20	0.423607	9.27E-22	0.268029	3.99E-09
0.38154	0.116344	0.01187	0.160432	0.0005	0.200385	1.28E-05	0.18033	8.90E-05
0.01443	-0.10501	0.02324	-0.11817	0.01059	-0.19525	2.15E-05	0.145663	0.0016
0.04528	0.310698	6.56E-12	0.366306	2.82E-16	0.514328	6.76E-33	0.178566	0.0001
0.0008	0.181843	7.75E-05	0.266629	4.84E-09	0.242846	1.07E-07	0.16444	0.00036
0.74703	0.310775	6.48E-12	0.359719	1.03E-15	0.471076	3.60E-27	0.228998	5.67E-07
0.34612	0.339643	4.50E-14	0.389764	2.16E-18	0.491211	9.81E-30	0.147142	0.00143
0.0007	-0.19561	2.07E-05	-0.0985	0.03334	-0.00626	0.89259	-0.16442	0.00036
2.29E-13	-0.20227	1.06E-05	-0.14004	0.00242	0.039652	0.3926	-0.17828	0.00011
0.00486	0.224264	9.79E-07	0.240712	1.40E-07	0.30218	2.57E-11	0.159428	0.00054
0.81788	-0.08856	0.05583	-0.16182	0.00045	-0.25486	2.33E-08	0.025734	0.57909
0.00438	-0.07564	0.10255	-0.07214	0.1195	-0.20162	1.13E-05	-0.12675	0.00609
1.25E-06	0.019154	0.67972	0.221922	1.28E-06	0.294869	8.02E-11	0.02228	0.63105
0.09595	-0.14637	0.00152	-0.01188	0.79795	-0.02292	0.62133	-0.21279	3.49E-06
0.42719	0.160298	0.00051	0.14705	0.00144	0.21019	4.62E-06	0.072401	0.11818
0.46287	0.119745	0.00959	0.202456	1.04E-05	0.247483	6.02E-08	0.001607	0.97238
6.42E-06	0.138343	0.00274	0.145302	0.00164	0.149135	0.00123	0.094881	0.04041
0.00155	-0.23284	3.61E-07	-0.2102	4.62E-06	-0.21391	3.10E-06	-0.11432	0.01344
4.54E-12	0.136302	0.00316	0.305707	1.47E-11	0.235755	2.55E-07	0.306678	1.26E-11
0.00221	0.011454	0.80502	0.150109	0.00114	0.224521	9.50E-07	-0.05961	0.19852
1.17E-09	-0.22384	1.03E-06	-0.19863	1.53E-05	-0.28862	2.07E-10	-0.2464	6.90E-08
0.00658	-0.37231	8.41E-17	-0.15181	0.001	-0.33455	1.12E-13	-0.1133	0.01429
0.10569	0.110785	0.01662	0.155111	0.00077	0.28503	3.53E-10	-0.00358	0.93845
0.09806	-0.38733	3.65E-18	-0.28416	4.01E-10	-0.35209	4.48E-15	-0.0746	0.10739
2.20E-10	-0.43433	6.58E-23	-0.40799	3.70E-20	-0.48777	2.77E-29	-0.33426	1.18E-13
0.07204	0.266788	4.73E-09	0.299552	3.89E-11	0.429469	2.21E-22	0.056173	0.22566
0.39545	0.192393	2.84E-05	0.311683	5.59E-12	0.393316	9.97E-19	0.224394	9.64E-07
2.92E-07	0.246397	6.90E-08	0.235344	2.68E-07	0.287246	2.54E-10	0.176129	0.00013
0.18334	0.234676	2.90E-07	0.246717	6.63E-08	0.266438	4.96E-09	0.140482	0.00234
0.01234	0.195176	2.16E-05	0.193417	2.57E-05	0.296	6.74E-11	0.133515	0.00385
1.02E-08	-0.0501	0.27995	-0.02637	0.56971	0.13025	0.00481	-0.12605	0.00638
0.07819	-0.26667	4.81E-09	-0.16465	0.00035	-0.2626	8.36E-09	-0.12628	0.00628
0.0298	-0.04033	0.38453	0.12374	0.00742	0.200652	1.25E-05	-0.0877	0.05825
2.61E-14	0.336774	7.56E-14	0.382684	9.79E-18	0.355871	2.18E-15	0.287977	2.28E-10

0.08379	-0.11306	0.0145	-0.15858	0.00058	-0.15538	0.00075	-0.03919	0.39817
9.01E-06	-0.09476	0.04068	0.133017	0.00398	0.160842	0.00048	-0.11698	0.01141
0.24372	0.248027	5.62E-08	0.344382	1.89E-14	0.453032	5.17E-25	0.184454	6.08E-05
2.90E-10	0.263407	7.50E-09	0.259205	1.32E-08	0.239262	1.67E-07	0.299456	3.94E-11
0.97146	0.164961	0.00034	0.251112	3.79E-08	0.304781	1.70E-11	0.100541	0.02983
0.05711	-0.10807	0.01949	-0.20947	4.99E-06	-0.26774	4.15E-09	0.034879	0.45208
0.02551	-0.06177	0.18266	-0.02192	0.63663	0.015077	0.74521	-0.0997	0.03123
0.40723	0.135125	0.00344	0.213998	3.07E-06	0.28433	3.91E-10	0.0774	0.09479
1.35E-09	0.257681	1.61E-08	0.331223	2.03E-13	0.270548	2.81E-09	0.302919	2.29E-11
0.82139	-0.02871	0.53597	-0.00099	0.98294	-0.10358	0.02519	0.020624	0.65666
8.88E-06	-0.01603	0.72969	0.11258	0.01493	0.191621	3.07E-05	-0.06246	0.17786
0.33793	0.274784	1.55E-09	0.315625	2.92E-12	0.403708	9.85E-20	0.163116	0.0004
0.02429	0.057271	0.2167	0.059363	0.20036	0.199634	1.38E-05	-0.06479	0.16217
0.01349	0.106787	0.02099	0.148891	0.00125	0.196801	1.84E-05	0.087166	0.05981
0.39185	0.224156	9.91E-07	0.076916	0.09688	0.248448	5.32E-08	0.081068	0.08011
0.82042	-0.08859	0.05573	-0.21544	2.62E-06	-0.25303	2.96E-08	-0.15263	0.00094
0.58766	0.058936	0.20362	0.121103	0.0088	0.190966	3.27E-05	0.100378	0.03009
0.80801	0.140697	0.00231	0.244428	8.83E-08	0.330082	2.48E-13	0.04864	0.29421
0.77688	0.139622	0.00249	0.292805	1.10E-10	0.349397	7.44E-15	0.179034	0.0001
0.00845	0.030088	0.51659	0.109527	0.0179	0.13294	0.004	-0.1002	0.03039
0.08532	0.092767	0.04511	0.094789	0.04061	0.160541	0.0005	0.056985	0.21902
0.61807	0.24929	4.78E-08	0.184608	5.99E-05	0.337693	6.41E-14	0.047256	0.30818
5.12E-32	0.293016	1.06E-10	0.268193	3.90E-09	0.264514	6.45E-09	0.369749	1.41E-16
0.08507	0.132623	0.00409	0.218829	1.80E-06	0.254118	2.57E-08	0.261897	9.19E-09
0.94104	0.384772	6.29E-18	0.388657	2.74E-18	0.46652	1.30E-26	0.190563	3.40E-05
0.06609	-0.10466	0.02371	-0.09289	0.04483	-0.01524	0.74258	-0.16747	0.00028
1.53E-15	0.385147	5.81E-18	0.365456	3.34E-16	0.317535	2.12E-12	0.194803	2.24E-05
0.66492	0.08452	0.06802	0.051897	0.26303	0.100715	0.02954	0.004887	0.91611
0.11785	0.018971	0.68261	0.086883	0.06064	0.17336	0.00017	-0.06408	0.16685
0.0003	-0.08102	0.08027	-0.03712	0.42359	-0.02816	0.54382	-0.19216	2.91E-05
0.01355	0.163557	0.00039	0.226477	7.59E-07	0.315459	3.00E-12	0.026996	0.56061
0.14435	0.049646	0.28433	0.153081	0.0009	0.104247	0.02426	0.08889	0.05491
0.00105	-0.14843	0.0013	-0.10935	0.01809	-0.11328	0.01431	-0.23283	3.62E-07
1.12E-05	0.103032	0.02598	-0.09343	0.0436	-0.1416	0.00216	-0.17151	0.0002
1.27E-05	0.218267	1.92E-06	0.247528	5.98E-08	0.25953	1.26E-08	0.14227	0.00206
0.19996	0.015725	0.73466	-0.05782	0.21231	-0.04768	0.30386	0.137847	0.00283
0.00012	-0.12759	0.00576	-0.06391	0.16795	-0.00215	0.963	-0.17162	0.00019
0.00237	-0.02367	0.6099	0.060073	0.19502	0.134092	0.00369	-0.11273	0.01479
1.30E-09	-0.09686	0.03641	0.01745	0.70683	0.09993	0.03084	-0.23407	3.12E-07
0.00012	0.227445	6.79E-07	0.279613	7.78E-10	0.294478	8.52E-11	0.084863	0.06691
4.68E-08	-0.19542	2.11E-05	-0.08337	0.07187	-0.05582	0.22863	-0.21054	4.45E-06
0.98521	0.022663	0.62519	0.032425	0.48454	0.087503	0.05882	-0.0648	0.16212
0.00236	0.032764	0.47999	0.039301	0.3968	0.111283	0.01613	-0.07554	0.10301
1.07E-05	0.37028	1.27E-16	0.190139	3.54E-05	0.21168	3.94E-06	0.243478	9.94E-08
0.38248	0.092458	0.04583	0.17892	0.0001	0.189368	3.81E-05	0.085313	0.06547

0.69214	0.1528	0.00092	0.168643	0.00025	0.263194	7.72E-09	-0.00735	0.87417
0.00643	0.141052	0.00225	0.241663	1.24E-07	0.258502	1.45E-08	0.085454	0.06502
0.76151	0.076409	0.09911	0.184856	5.85E-05	0.222711	1.17E-06	0.050696	0.27426
3.81E-15	0.143726	0.00185	0.108321	0.01921	0.08181	0.07737	0.18613	5.19E-05
0.80586	0.026969	0.561	0.144321	0.00177	0.184667	5.96E-05	-0.01438	0.75662
0.45897	0.341858	3.01E-14	0.310131	7.19E-12	0.411519	1.64E-20	0.146828	0.00146
0.50034	0.318767	1.73E-12	0.18556	5.48E-05	0.266143	5.17E-09	0.020042	0.66574
0.54734	0.147615	0.00138	0.205635	7.47E-06	0.365593	3.25E-16	0.080467	0.08238
0.78278	0.242404	1.14E-07	0.146932	0.00145	0.277855	1.00E-09	-0.00875	0.85043
0.00023	0.005325	0.90863	0.090555	0.0505	0.105125	0.02309	-0.1079	0.01969
0.78739	0.252892	3.01E-08	0.24113	1.33E-07	0.352256	4.34E-15	0.14242	0.00203
2.57E-08	0.144828	0.0017	0.26639	5.00E-09	0.20841	5.58E-06	0.168544	0.00025
0.0006	0.074503	0.10785	0.111559	0.01587	0.170288	0.00022	-0.10802	0.01955
0.18157	0.09583	0.03844	0.165307	0.00033	0.190869	3.30E-05	0.101345	0.02853
0.14191	0.128129	0.00556	0.125503	0.00662	0.203922	8.92E-06	-0.0361	0.4364
0.46257	-0.04731	0.30758	0.071284	0.12398	0.109613	0.01781	-0.06511	0.16009
0.11102	0.23343	3.37E-07	0.254858	2.33E-08	0.362609	5.87E-16	0.125213	0.00674
0.46214	0.299061	4.20E-11	0.277287	1.09E-09	0.361041	7.98E-16	0.098545	0.03325
0.02075	0.026343	0.57014	0.080895	0.08075	0.13729	0.00295	-0.01523	0.74279
1.30E-05	0.22746	6.78E-07	0.374577	5.29E-17	0.334793	1.08E-13	0.254083	2.58E-08
1.90E-09	0.241895	1.21E-07	0.267545	4.26E-09	0.260925	1.05E-08	0.236928	2.22E-07
0.00121	-0.13907	0.0026	0.015036	0.74588	0.035874	0.43928	-0.0697	0.13259
2.34E-07	-0.31747	2.15E-12	-0.2845	3.81E-10	-0.31218	5.15E-12	-0.21217	3.74E-06
0.74259	0.047471	0.30598	0.138664	0.00267	0.196175	1.96E-05	-0.02349	0.61269
0.05322	0.200886	1.22E-05	0.224812	9.19E-07	0.213965	3.08E-06	0.23126	4.35E-07
8.54E-10	0.397291	4.15E-19	0.191447	3.12E-05	0.196741	1.85E-05	0.201574	1.14E-05
0.00342	0.141401	0.00219	0.244466	8.79E-08	0.289274	1.88E-10	0.1217	0.00847
1.25E-05	-0.13793	0.00282	-0.20314	9.68E-06	-0.24132	1.30E-07	-0.13132	0.00447
0.00023	-0.07323	0.11399	0.147335	0.00141	0.168556	0.00025	0.013774	0.76656
7.20E-15	0.146373	0.00152	0.068927	0.13693	-0.08106	0.08013	0.242826	1.08E-07
0.34642	0.065157	0.15979	0.175737	0.00013	0.160919	0.00048	0.054294	0.24159
0.0029	0.094506	0.04121	0.165335	0.00033	0.233043	3.53E-07	0.055173	0.23404
0.00115	0.103407	0.02544	0.096426	0.03725	0.190953	3.27E-05	0.047933	0.3013
0.7407	0.061871	0.18196	0.112894	0.01465	0.139286	0.00256	-0.04178	0.36762
0.10041	0.196225	1.95E-05	0.181541	7.96E-05	0.228252	6.19E-07	0.016685	0.71912
2.70E-06	0.01068	0.81794	0.07214	0.11952	0.16919	0.00024	-0.05552	0.23112
0.45596	0.067868	0.14309	0.151578	0.00102	0.168026	0.00027	0.023644	0.61029
0.88141	0.099793	0.03107	-0.0022	0.96216	-0.06266	0.17644	0.011063	0.81154
0.57492	0.144497	0.00174	0.173589	0.00016	0.206581	6.77E-06	-0.00145	0.97506
0.43952	-0.22094	1.43E-06	-0.15989	0.00052	-0.24893	5.00E-08	-0.08701	0.06027
0.009	0.143218	0.00192	0.178344	0.00011	0.26386	7.05E-09	-0.01863	0.68809
0.0232	0.196577	1.88E-05	0.189219	3.87E-05	0.245379	7.84E-08	0.134766	0.00352
4.51E-19	0.251857	3.44E-08	0.273551	1.85E-09	0.128056	0.00558	0.27829	9.41E-10
0.17716	0.295191	7.64E-11	0.289158	1.91E-10	0.379028	2.11E-17	0.15496	0.00078
0.91118	0.304463	1.79E-11	0.254412	2.47E-08	0.382232	1.08E-17	0.132998	0.00399

0.2196	0.058654	0.20579	0.085365	0.0653	0.155027	0.00078	-0.08928	0.05384
2.91E-05	-0.02787	0.54804	0.112017	0.01544	0.213243	3.33E-06	-0.07164	0.12213
0.92403	0.299541	3.89E-11	0.187876	4.40E-05	0.399175	2.73E-19	0.11941	0.0098
0.79566	-0.03933	0.39649	-0.24874	5.13E-08	-0.2223	1.22E-06	-0.04561	0.3254
0.96008	0.025384	0.58427	0.15671	0.00068	0.18626	5.13E-05	-0.02297	0.62048
0.05141	0.060009	0.19549	0.223983	1.01E-06	0.175691	0.00014	0.152877	0.00092
3.35E-07	0.022868	0.62207	0.103274	0.02563	0.265697	5.49E-09	-0.00185	0.96823
0.67597	0.072828	0.11602	0.135165	0.00343	0.160117	0.00051	-0.01778	0.70157
0.70513	0.128334	0.00548	0.127424	0.00582	0.18198	7.65E-05	0.019792	0.66967
0.91042	-0.05036	0.27746	-0.00388	0.93331	-0.00693	0.88123	-0.18287	7.04E-05
0.25122	-0.07878	0.08903	0.040746	0.37966	0.067745	0.14381	-0.10916	0.01829
0.00279	0.144394	0.00176	0.223834	1.03E-06	0.255652	2.10E-08	0.052847	0.25439
9.40E-08	0.274339	1.65E-09	0.252306	3.25E-08	0.232074	3.95E-07	0.060834	0.18941
0.62826	0.03847	0.40686	0.132918	0.00401	0.165271	0.00033	-0.00308	0.94704
7.79E-12	0.353964	3.13E-15	0.371284	1.04E-16	0.445864	3.43E-24	0.292443	1.16E-10
0.00132	-0.00308	0.9471	0.109663	0.01776	0.138792	0.00265	-0.06896	0.13673
1.36E-06	0.250379	4.16E-08	0.277115	1.11E-09	0.306788	1.23E-11	0.2517	3.51E-08
5.78E-06	-0.15124	0.00104	-0.11103	0.01638	-0.05364	0.24731	-0.30167	2.79E-11
0.03194	0.023032	0.61958	0.099709	0.03121	0.102483	0.02679	0.099296	0.03192
2.29E-08	-0.0405	0.38252	0.087373	0.0592	0.220248	1.54E-06	-0.10116	0.02883
2.76E-07	-0.02931	0.5275	0.091294	0.04864	0.191423	3.12E-05	-0.08964	0.05289
0.41642	0.18405	6.31E-05	0.255521	2.14E-08	0.317057	2.30E-12	0.062056	0.18065
0.32636	0.211206	4.14E-06	0.335876	8.88E-14	0.437551	2.92E-23	0.183427	6.69E-05
7.26E-12	0.125817	0.00648	0.181015	8.36E-05	0.132602	0.0041	0.184827	5.87E-05
3.06E-10	0.411118	1.80E-20	0.36183	6.84E-16	0.454661	3.34E-25	0.291032	1.44E-10
0.27718	-0.02611	0.5735	0.052716	0.25557	0.057939	0.21139	-0.05705	0.21848
6.60E-05	0.289925	1.70E-10	0.312072	5.24E-12	0.358532	1.30E-15	0.14173	0.00214
1.19E-14	0.096508	0.03708	0.209247	5.11E-06	0.150528	0.0011	0.197781	1.67E-05
0.91748	0.300004	3.62E-11	0.082827	0.07375	0.089969	0.05202	0.046391	0.31713
0.22315	-0.29249	1.15E-10	-0.22725	6.95E-07	-0.35996	9.86E-16	-0.0222	0.63223
0.0001	0.168769	0.00025	0.206447	6.86E-06	0.289358	1.85E-10	0.07314	0.11446
0.01013	0.007425	0.87286	-0.0529	0.25393	0.033081	0.47574	-0.06269	0.17625
0.91676	0.105234	0.02295	0.201695	1.12E-05	0.25718	1.72E-08	0.048825	0.29238
0.37993	-0.03335	0.47219	0.046661	0.31432	0.085765	0.06405	-0.05662	0.22196
0.00989	0.204394	8.50E-06	0.160996	0.00048	0.257767	1.59E-08	0.186161	5.17E-05
0.05523	0.129992	0.0049	0.155787	0.00073	0.155711	0.00073	0.140994	0.00226
0.09262	-0.00739	0.87349	0.075113	0.10498	0.167281	0.00028	-0.11166	0.01578
0.00257	0.08104	0.08021	0.133117	0.00395	0.216504	2.33E-06	0.054099	0.24329
0.05047	-0.09173	0.04758	-0.01003	0.82884	0.046477	0.31623	-0.08868	0.05549
0.43217	0.047448	0.30622	0.120905	0.00891	0.166187	0.00031	-0.043	0.35388
9.23E-14	-0.18786	4.41E-05	-0.0518	0.26396	0.064515	0.16395	-0.08687	0.06068
0.00018	0.090656	0.05024	0.152663	0.00093	0.335054	1.03E-13	-0.07624	0.09985
0.03537	0.135895	0.00326	0.174986	0.00014	0.236467	2.34E-07	0.058719	0.20529
0.93236	0.122354	0.00812	0.239691	1.58E-07	0.319074	1.64E-12	0.152869	0.00092
0.37923	0.069068	0.13613	0.100259	0.03029	0.108389	0.01913	0.086221	0.06264

0.92168	0.035408	0.44525	0.112731	0.01479	0.201674	1.12E-05	0.020239	0.66266
0.06951	0.020639	0.65642	0.04927	0.288	0.094648	0.04091	-0.2029	9.91E-06
3.42E-05	0.025981	0.57545	0.111323	0.0161	0.212723	3.52E-06	-0.11067	0.01673
0.01484	0.28888	1.99E-10	0.274166	1.69E-09	0.355311	2.42E-15	0.239497	1.62E-07
0.1681	-0.03295	0.47743	0.045276	0.32892	0.083465	0.07154	-0.10201	0.0275
0.15265	0.140895	0.00227	0.104873	0.02342	0.313344	4.25E-12	0.011818	0.79895
0.69118	0.12638	0.00624	0.150531	0.0011	0.13438	0.00362	0.04478	0.33425
0.37256	0.090431	0.05082	0.13531	0.00339	0.176229	0.00013	-0.05231	0.25928
2.16E-09	0.198661	1.53E-05	0.244703	8.53E-08	0.181854	7.74E-05	0.248845	5.06E-08
0.00175	0.195225	2.15E-05	0.232188	3.90E-07	0.252752	3.07E-08	0.093003	0.04456
0.8578	0.110929	0.01648	0.191785	3.02E-05	0.211767	3.90E-06	0.044043	0.34227
6.50E-12	0.194796	2.25E-05	0.279137	8.33E-10	0.186668	4.93E-05	0.282234	5.32E-10
0.01	0.1319	0.0043	0.222011	1.26E-06	0.201289	1.17E-05	0.073065	0.11484
0.01861	0.127796	0.00568	0.101816	0.0278	0.151023	0.00106	-0.03801	0.41253
0.54079	0.091039	0.04928	0.216202	2.41E-06	0.304522	1.77E-11	0.029612	0.52324
0.5534	0.092428	0.0459	0.155898	0.00072	0.212499	3.61E-06	0.089785	0.0525
0.00035	-0.14717	0.00143	-0.06969	0.13264	-0.1763	0.00013	0.06944	0.13403
2.33E-07	-0.01452	0.75425	-0.06161	0.18384	-0.14253	0.00202	0.025852	0.57735
4.26E-06	-0.04903	0.29034	-0.02465	0.59515	0.084977	0.06654	-0.19228	2.87E-05
0.04179	-0.12046	0.00917	-0.13925	0.00256	-0.25645	1.89E-08	-0.10323	0.02569
0.5854	0.090136	0.05158	0.166334	0.00031	0.254806	2.35E-08	0.026159	0.57284
1.73E-15	-0.00967	0.83494	-0.02066	0.6561	0.159152	0.00056	-0.17119	0.0002
0.35689	-0.20925	5.11E-06	-0.27244	2.16E-09	-0.3237	7.48E-13	-0.18034	8.89E-05
5.50E-09	-0.11017	0.01723	-0.12014	0.00936	-0.03875	0.40347	-0.33419	1.20E-13
0.00239	0.055245	0.23343	0.083333	0.072	0.150132	0.00114	0.115789	0.01228
0.23161	0.164902	0.00035	0.272219	2.23E-09	0.323806	7.34E-13	0.222369	1.21E-06
0.0676	0.166896	0.00029	0.191632	3.06E-05	0.361713	6.99E-16	-0.00626	0.89276
6.83E-07	0.176163	0.00013	0.282094	5.43E-10	0.279442	7.97E-10	0.113801	0.01387
9.10E-06	0.176054	0.00013	0.223579	1.06E-06	0.258606	1.43E-08	0.241652	1.25E-07
5.87E-08	-0.04968	0.28404	-0.03151	0.4969	0.073443	0.11296	-0.22216	1.24E-06
0.27146	-0.04924	0.28826	0.071299	0.1239	0.066766	0.14971	-0.09547	0.03917
6.88E-14	0.506184	9.37E-32	0.422805	1.13E-21	0.511594	1.65E-32	0.393693	9.18E-19
0.81957	0.160198	0.00051	0.18137	8.09E-05	0.261579	9.59E-09	0.061315	0.18593
1.10E-07	0.205121	7.88E-06	0.256359	1.92E-08	0.345599	1.51E-14	0.243842	9.50E-08
0.04248	0.097926	0.03438	0.136772	0.00306	0.188481	4.15E-05	0.115941	0.01217
1.27E-06	0.120234	0.0093	0.183982	6.35E-05	0.277192	1.10E-09	-0.03942	0.39535
0.00037	0.067332	0.14628	0.107677	0.01994	0.138519	0.0027	0.122199	0.0082
0.00723	0.015668	0.73559	0.093858	0.04263	0.165029	0.00034	-0.10253	0.02672
1.89E-06	0.11843	0.01042	0.067929	0.14272	0.092104	0.04667	0.179077	9.98E-05
1.11E-05	0.076954	0.09671	0.060353	0.19294	0.066997	0.1483	0.11389	0.01379
0.09121	-0.0518	0.26395	0.068716	0.13814	0.032779	0.47978	0.060244	0.19374
0.03305	-0.36367	4.76E-16	-0.38547	5.42E-18	-0.4424	8.42E-24	-0.22732	6.89E-07
0.0177	0.149523	0.00119	0.215089	2.72E-06	0.243114	1.04E-07	0.129127	0.00519
0.91772	-0.02196	0.63594	0.059248	0.20123	0.071282	0.12399	-0.0277	0.55048
0.78	-0.09393	0.04246	0.057886	0.2118	0.027867	0.54803	-0.03076	0.5072



7.14E-05	0.065031	0.1606	0.174749	0.00015	0.172853	0.00017	0.106533	0.0213
0.04233	-0.05052	0.27594	0.121088	0.00881	0.067956	0.14257	-0.00211	0.96369
0.54802	0.150105	0.00114	0.216859	2.24E-06	0.292984	1.07E-10	0.081436	0.07874
2.35E-09	0.002109	0.96375	0.169347	0.00024	0.248362	5.38E-08	0.004785	0.91786
0.01759	-0.05988	0.19645	0.040393	0.3838	0.106595	0.02123	-0.07461	0.10734
0.00319	0.096457	0.03718	0.125547	0.0066	0.113276	0.01432	0.059633	0.19831
3.52E-29	0.239121	1.70E-07	0.266418	4.98E-09	0.199549	1.40E-05	0.297179	5.62E-11
0.04472	0.094847	0.04048	0.186285	5.11E-05	0.155846	0.00073	0.05439	0.24076
0.42536	0.08616	0.06283	0.186891	4.83E-05	0.23537	2.67E-07	0.003704	0.93637
0.53275	0.144595	0.00173	0.173518	0.00016	0.2988	4.37E-11	0.07684	0.09721
0.00015	0.269825	3.11E-09	0.311776	5.50E-12	0.381524	1.25E-17	0.223756	1.04E-06
0.01998	0.147567	0.00138	0.145426	0.00163	0.257681	1.61E-08	0.085524	0.0648
7.84E-11	0.272113	2.26E-09	0.422971	1.08E-21	0.371002	1.10E-16	0.249918	4.41E-08
0.02085	0.095199	0.03974	0.116289	0.01191	0.177682	0.00011	0.058404	0.20774
0.01603	0.019048	0.68139	-0.09106	0.04921	0.112681	0.01484	-0.0358	0.44022
4.90E-05	0.084653	0.06759	0.124543	0.00705	0.226687	7.41E-07	-0.0424	0.3606
0.02429	0.160263	0.00051	0.303668	2.03E-11	0.224579	9.44E-07	0.299425	3.96E-11
2.34E-13	0.226957	7.19E-07	0.204538	8.37E-06	0.239759	1.57E-07	0.216393	2.36E-06
0.00035	0.15718	0.00065	0.208281	5.66E-06	0.192373	2.85E-05	0.118732	0.01023
0.25836	0.059093	0.20242	0.166872	0.00029	0.19627	1.94E-05	-0.03692	0.4261
0.00021	-0.13214	0.00423	-0.08178	0.07748	-0.17157	0.0002	-0.12442	0.0071
0.0235	-0.16264	0.00042	-0.19868	1.52E-05	-0.22877	5.83E-07	0.070528	0.12803
0.66089	-0.12122	0.00874	-0.10176	0.02788	-0.22664	7.45E-07	-0.01051	0.82073
0.09331	0.114994	0.0129	0.13894	0.00262	0.202596	1.02E-05	0.151731	0.001
0.53039	0.113765	0.0139	0.204932	8.04E-06	0.287487	2.45E-10	0.040653	0.38075
0.15208	0.050257	0.27844	0.242988	1.06E-07	0.274369	1.65E-09	0.085908	0.0636
0.27228	0.120191	0.00933	0.224359	9.68E-07	0.231679	4.14E-07	0.197948	1.64E-05
0.75812	0.280333	7.01E-10	0.300593	3.30E-11	0.386931	3.97E-18	0.240823	1.38E-07
0.00066	0.103748	0.02496	0.173475	0.00016	0.176223	0.00013	0.008702	0.85123
0.0129	0.215094	2.72E-06	0.334745	1.09E-13	0.294663	8.28E-11	0.197511	1.71E-05
0.01024	0.171804	0.00019	0.276828	1.16E-09	0.349703	7.03E-15	0.148114	0.00133
1.55E-06	-0.47066	4.05E-27	-0.26444	6.52E-09	-0.36564	3.22E-16	-0.28681	2.71E-10
0.10284	0.201559	1.14E-05	0.094565	0.04108	0.182994	6.96E-05	-0.11384	0.01383
0.04373	0.033204	0.4741	0.119007	0.01005	0.186237	5.14E-05	-0.04887	0.29191
5.42E-05	0.095832	0.03844	-0.02168	0.64028	-0.04935	0.28723	0.085874	0.06371
0.00203	-0.08507	0.06623	-0.0053	0.90912	0.054391	0.24075	-0.14685	0.00146
1.08E-11	0.276573	1.20E-09	0.37665	3.45E-17	0.350203	6.39E-15	0.247641	5.90E-08
0.64177	0.135486	0.00335	0.176639	0.00012	0.246188	7.08E-08	0.075932	0.10124
0.3139	0.117774	0.01086	0.162556	0.00042	0.215344	2.65E-06	0.054096	0.24331
0.0771	-0.13123	0.0045	-0.02151	0.64285	0.022577	0.62651	-0.14469	0.00172
0.16932	0.20896	5.27E-06	0.295199	7.63E-11	0.292416	1.17E-10	0.188485	4.15E-05
0.00785	-0.02719	0.55773	0.094043	0.04222	0.127488	0.0058	-0.08101	0.08031
6.75E-11	0.291003	1.45E-10	0.390895	1.69E-18	0.397245	4.19E-19	0.256777	1.81E-08
5.73E-14	0.208611	5.46E-06	0.220349	1.52E-06	0.212129	3.75E-06	0.227027	7.13E-07
0.45294	0.134286	0.00365	0.150369	0.00112	0.165669	0.00032	0.104852	0.02345

0.32495	0.075408	0.10362	0.213099	3.38E-06	0.144021	0.00181	0.15021	0.00113
5.71E-09	0.268714	3.63E-09	0.308473	9.41E-12	0.341058	3.48E-14	0.304806	1.70E-11
3.14E-07	0.11862	0.0103	0.144609	0.00173	0.204054	8.80E-06	-0.08157	0.07826
0.02367	0.022078	0.63415	0.04322	0.35137	0.133001	0.00399	-0.02039	0.66035
0.76599	0.264969	6.07E-09	0.330446	2.32E-13	0.411399	1.68E-20	0.165141	0.00034
0.71659	0.022887	0.62178	0.12944	0.00509	0.122358	0.00812	-0.10364	0.02512
0.00029	0.27415	1.70E-09	0.242258	1.16E-07	0.363577	4.85E-16	0.267876	4.07E-09
0.72497	-0.25979	1.22E-08	-0.17057	0.00021	-0.27373	1.80E-09	0.022491	0.62783
0.63377	0.010455	0.82172	0.111539	0.01589	0.118429	0.01042	-0.06361	0.16995
0.64336	-0.01116	0.80997	0.113908	0.01378	0.145174	0.00166	-0.0703	0.12926
1.55E-07	0.125542	0.0066	0.138319	0.00274	0.213497	3.24E-06	0.148287	0.00131
0.38148	0.033922	0.46459	0.212331	3.67E-06	0.247587	5.94E-08	0.143757	0.00184
0.62623	-0.03029	0.5138	0.092633	0.04542	0.084728	0.06734	0.066445	0.15168
0.00068	0.016245	0.72624	0.088744	0.05531	0.124896	0.00688	-0.06497	0.16098
0.61317	0.261432	9.78E-09	0.235322	2.69E-07	0.324275	6.78E-13	0.18402	6.33E-05
4.08E-05	0.009747	0.8336	0.029838	0.52009	0.264134	6.79E-09	-0.07813	0.09173
0.5022	0.214474	2.91E-06	0.236219	2.41E-07	0.357783	1.50E-15	0.104014	0.02459
2.02E-12	0.098004	0.03423	0.154037	0.00084	0.072761	0.11636	0.376865	3.30E-17
9.93E-16	0.165216	0.00034	0.220916	1.43E-06	0.195746	2.04E-05	0.185767	5.37E-05
0.01149	0.161708	0.00045	0.211487	4.02E-06	0.435316	5.13E-23	0.127269	0.00588
0.08709	-0.21041	4.51E-06	-0.17583	0.00013	-0.2989	4.30E-11	-0.14757	0.00138
9.63E-05	0.038769	0.40323	0.030561	0.51002	0.121034	0.00884	0.057725	0.21308
4.49E-09	0.011275	0.80799	0.062993	0.17415	0.108559	0.01894	0.143899	0.00182
0.53668	0.362913	5.52E-16	0.376702	3.42E-17	0.488838	2.01E-29	0.079912	0.08452
0.00694	0.179309	9.77E-05	0.201476	1.15E-05	0.232995	3.55E-07	0.04145	0.37147
0.77704	0.083328	0.07201	0.14309	0.00194	0.172945	0.00017	0.078654	0.08955
0.19187	0.162088	0.00044	0.180137	9.06E-05	0.304801	1.70E-11	0.042058	0.36449
2.56E-10	0.123046	0.00777	0.135396	0.00337	0.285437	3.32E-10	-0.0612	0.18677
5.09E-06	0.234477	2.97E-07	0.267029	4.58E-09	0.293824	9.41E-11	0.127821	0.00567
3.03E-09	0.201951	1.09E-05	0.340849	3.62E-14	0.255411	2.17E-08	0.22446	9.57E-07
0.04328	-0.22187	1.28E-06	-0.23275	3.65E-07	-0.26705	4.57E-09	-0.08964	0.05288
2.65E-06	0.231316	4.32E-07	0.223162	1.11E-06	0.272705	2.08E-09	0.157384	0.00064
4.66E-05	0.204365	8.52E-06	0.217708	2.04E-06	0.238701	1.79E-07	0.120722	0.00902
0.00212	0.174587	0.00015	0.166153	0.00031	0.233256	3.44E-07	0.144033	0.00181
0.68818	0.014243	0.75885	0.031452	0.49775	0.047694	0.30372	-0.08971	0.05271
0.45703	0.087825	0.05789	0.096974	0.03618	0.218946	1.78E-06	0.028119	0.54441
2.12E-16	-0.08211	0.0763	0.070979	0.1256	0.126417	0.00623	-0.25735	1.68E-08
0.15108	0.013274	0.77481	0.08188	0.07712	0.104198	0.02433	0.051066	0.27076
0.00243	0.080393	0.08266	-0.00798	0.86347	-0.01371	0.76758	0.109987	0.01742
0.71966	0.087147	0.05986	0.047902	0.3016	-0.07553	0.10304	0.273348	1.90E-09
3.88E-05	0.140136	0.0024	0.208013	5.82E-06	0.28864	2.06E-10	0.067176	0.14721
0.00012	0.072361	0.11839	0.111309	0.01611	0.129091	0.00521	0.147316	0.00141
0.15208	0.100849	0.02932	0.120294	0.00927	0.17717	0.00012	0.086004	0.06331
0.00048	-0.16664	0.0003	-0.03739	0.42012	-0.06449	0.16409	-0.07676	0.09754
0.0038	-0.16693	0.00029	-0.01669	0.71906	0.028588	0.53771	-0.19658	1.88E-05

0.09061	0.354865	2.64E-15	0.253694	2.71E-08	0.441825	9.78E-24	0.16022	0.00051
5.12E-15	0.248595	5.23E-08	0.266235	5.10E-09	0.275516	1.40E-09	0.341225	3.38E-14
0.00104	-0.01723	0.71037	0.125668	0.00654	0.158064	0.00061	-0.00108	0.98139
0.05451	-0.09774	0.03473	0.03766	0.41682	0.052595	0.25666	-0.1451	0.00167
0.08625	0.036028	0.43732	0.195136	2.17E-05	0.242953	1.06E-07	-0.03197	0.49064
0.19949	0.189294	3.84E-05	0.269801	3.12E-09	0.339518	4.61E-14	0.094684	0.04083
1.08E-16	-0.30603	1.40E-11	-0.23876	1.78E-07	-0.14998	0.00115	-0.44483	4.49E-24
0.08608	-0.30145	2.88E-11	-0.22956	5.31E-07	-0.32376	7.40E-13	-0.17611	0.00013
0.25933	0.132347	0.00417	0.259472	1.27E-08	0.311971	5.33E-12	0.053532	0.24827
6.59E-05	0.245341	7.88E-08	0.193853	2.46E-05	0.269284	3.35E-09	0.179217	9.86E-05
0.00072	0.172597	0.00018	0.219269	1.72E-06	0.262658	8.29E-09	0.194686	2.27E-05
0.00345	-0.22548	8.52E-07	-0.24286	1.07E-07	-0.29114	1.42E-10	-0.0747	0.10692
0.00191	0.170558	0.00021	0.213201	3.34E-06	0.292774	1.10E-10	0.119898	0.0095
4.52E-08	0.21154	4.00E-06	0.283139	4.66E-10	0.259063	1.34E-08	0.182575	7.24E-05
2.24E-05	0.057694	0.21332	0.157972	0.00061	0.101058	0.02899	0.172748	0.00018
0.88042	0.191259	3.18E-05	0.129478	0.00507	0.179932	9.23E-05	0.03538	0.44561
3.27E-10	-0.00021	0.99647	0.154084	0.00084	0.212083	3.77E-06	-0.09796	0.03432
0.00207	0.307648	1.08E-11	0.409432	2.66E-20	0.469125	6.24E-27	0.305241	1.58E-11
0.1783	0.097954	0.03433	0.056121	0.22609	0.06329	0.17212	0.032244	0.48698
0.02403	-0.2104	4.52E-06	-0.18998	3.59E-05	-0.2679	4.06E-09	-0.22681	7.31E-07
0.71173	-0.19048	3.42E-05	-0.25422	2.54E-08	-0.29836	4.68E-11	-0.1116	0.01583
0.05199	0.237868	1.98E-07	0.249558	4.62E-08	0.345287	1.60E-14	0.142596	0.00201
8.41E-05	0.078475	0.09028	0.147785	0.00136	0.238753	1.78E-07	-0.05298	0.2532
0.00588	0.314622	3.44E-12	0.322874	8.61E-13	0.312624	4.79E-12	0.158108	0.00061
0.01062	-0.12362	0.00748	-0.09521	0.03971	-0.11092	0.01648	-0.00195	0.96653
3.85E-05	0.015877	0.7322	0.075899	0.10139	0.199517	1.40E-05	-0.20304	9.77E-06
0.00332	-0.28903	1.94E-10	-0.25636	1.92E-08	-0.26343	7.47E-09	-0.05142	0.26741
1.13E-05	0.14556	0.00161	0.159264	0.00055	0.13587	0.00326	0.084864	0.0669
2.06E-07	0.238461	1.84E-07	0.322749	8.80E-13	0.354596	2.78E-15	0.338724	5.32E-14
0.00023	0.142273	0.00206	0.051341	0.26819	0.003341	0.94259	0.12382	0.00739
0.1332	0.005343	0.90833	0.082746	0.07403	0.092952	0.04468	0.070138	0.13015
0.04317	-0.21895	1.78E-06	-0.23923	1.68E-07	-0.35222	4.36E-15	-0.03049	0.51105
3.35E-07	0.177979	0.00011	0.213768	3.14E-06	0.421516	1.54E-21	0.119988	0.00945
1.65E-09	0.035771	0.44059	0.132872	0.00402	0.082582	0.07461	0.200722	1.24E-05
0.08655	0.201706	1.12E-05	0.314569	3.47E-12	0.325176	5.80E-13	0.204867	8.09E-06
2.24E-08	0.048938	0.29126	0.092234	0.04636	0.074607	0.10735	0.250241	4.24E-08
0.92045	0.042363	0.36101	0.09841	0.03349	0.14249	0.00202	-0.01142	0.80565
4.42E-14	0.195154	2.17E-05	0.281711	5.74E-10	0.199086	1.46E-05	0.14766	0.00137
0.87908	0.223382	1.08E-06	0.162957	0.00041	0.253033	2.96E-08	-0.00077	0.98677
0.43185	0.042236	0.36246	0.15977	0.00053	0.169418	0.00024	0.046968	0.31115
0.0557	0.029148	0.52979	0.064459	0.16432	0.143919	0.00182	-0.04924	0.28828
0.20135	0.144283	0.00177	0.148179	0.00132	0.194692	2.27E-05	0.116238	0.01195
2.66E-25	0.222542	1.19E-06	0.258796	1.39E-08	0.216846	2.25E-06	0.263228	7.68E-09
0.01522	0.04395	0.3433	0.045093	0.33087	0.125567	0.00659	-0.11788	0.01079
0.17821	-0.02195	0.63607	0.170163	0.00022	0.14165	0.00215	0.05881	0.20459

0.01794	0.076661	0.09799	0.148151	0.00132	0.204261	8.62E-06	0.132266	0.00419
0.3253	0.466163	1.43E-26	0.260328	1.13E-08	0.348348	9.06E-15	0.126185	0.00632
0.06382	0.078436	0.09044	0.158761	0.00057	0.188923	3.98E-05	0.103174	0.02577
6.98E-06	-0.14326	0.00191	0.08624	0.06259	0.110596	0.01681	-0.05876	0.20497
0.01642	0.154525	0.00081	0.196793	1.84E-05	0.25604	2.00E-08	0.19375	2.49E-05
0.574	-0.07284	0.11598	0.049378	0.28694	0.017139	0.71183	-0.03733	0.42086
0.00027	0.162054	0.00044	0.188299	4.22E-05	0.24796	5.66E-08	0.08257	0.07465
0.13005	0.247477	6.02E-08	0.185613	5.45E-05	0.349538	7.25E-15	0.033389	0.47164
0.01802	0.221308	1.37E-06	0.256347	1.92E-08	0.354044	3.09E-15	0.153368	0.00088
1.39E-12	-0.07415	0.10953	-0.05798	0.21108	0.006723	0.8848	-0.28734	2.50E-10
0.22107	0.061596	0.18392	0.126278	0.00629	0.097471	0.03523	0.151563	0.00102
0.30872	-0.10107	0.02897	-0.16201	0.00044	-0.17092	0.00021	0.10345	0.02538
0.01872	0.094033	0.04224	0.056903	0.21968	0.18337	6.72E-05	0.033209	0.47404
1.82E-05	0.227308	6.90E-07	0.352179	4.40E-15	0.332575	1.60E-13	0.237528	2.06E-07
0.84232	0.178668	0.0001	0.310387	6.90E-12	0.348413	8.95E-15	0.034201	0.46092
0.02943	0.007042	0.87936	0.083208	0.07242	0.140165	0.0024	-0.07371	0.11165
0.7597	0.062891	0.17485	0.159624	0.00054	0.160472	0.0005	-0.03097	0.50432
0.08868	0.107126	0.02059	0.168812	0.00025	0.191422	3.13E-05	0.015979	0.73054
3.49E-12	0.105976	0.02199	0.099361	0.03181	0.382777	9.60E-18	-0.10984	0.01758
0.0092	0.052296	0.25938	0.161316	0.00047	0.169586	0.00023	0.144482	0.00175
8.67E-05	0.263598	7.31E-09	0.288642	2.06E-10	0.339317	4.78E-14	0.26088	1.05E-08
1.20E-08	-0.06522	0.15937	-0.01143	0.80544	0.056694	0.22138	-0.17886	0.0001
0.09176	-0.02246	0.62831	0.081435	0.07874	0.093167	0.04418	-0.11808	0.01065
0.00175	0.179907	9.25E-05	0.170417	0.00022	0.154454	0.00081	0.028249	0.54255
0.26375	0.180279	8.94E-05	0.193471	2.56E-05	0.246924	6.46E-08	0.058191	0.2094
0.00014	0.224944	9.05E-07	0.273146	1.96E-09	0.276652	1.19E-09	0.236022	2.47E-07
0.00122	0.204303	8.58E-06	0.242152	1.17E-07	0.323091	8.30E-13	0.10294	0.02611
0.00865	0.115068	0.01284	0.150069	0.00114	0.189901	3.62E-05	0.062217	0.17952
0.79966	0.10241	0.0269	0.159095	0.00056	0.284836	3.63E-10	0.002851	0.95101
2.89E-12	-0.14194	0.00211	-0.05639	0.22385	-0.01541	0.73971	-0.28167	5.77E-10
0.01654	0.089281	0.05385	0.168465	0.00026	0.187621	4.50E-05	0.082034	0.07656
0.54473	-0.02735	0.55548	0.060188	0.19416	0.092159	0.04654	0.078031	0.09212
0.20814	0.121194	0.00875	0.146727	0.00148	0.157198	0.00065	0.041863	0.36672
0.00077	0.206449	6.86E-06	0.303669	2.03E-11	0.303977	1.94E-11	0.091992	0.04694
0.00044	0.202542	1.03E-05	0.21508	2.73E-06	0.254325	2.50E-08	0.15234	0.00096
9.27E-06	0.343819	2.10E-14	0.361849	6.81E-16	0.39172	1.41E-18	0.266273	5.08E-09
8.70E-05	-0.13016	0.00484	-0.19304	2.67E-05	-0.24189	1.21E-07	0.141288	0.00221
0.00088	-0.1669	0.00029	0.096589	0.03692	0.107732	0.01988	-0.04167	0.36893
0.0051	-0.03584	0.43968	0.093372	0.04372	0.216509	2.33E-06	-0.07326	0.11387
0.23209	0.179514	9.59E-05	0.259011	1.35E-08	0.290724	1.51E-10	0.054724	0.23788
4.14E-05	0.144339	0.00176	0.22559	8.41E-07	0.30375	2.01E-11	0.101288	0.02863
0.16729	0.108301	0.01923	0.12811	0.00556	0.221085	1.40E-06	0.038423	0.40744
0.00047	0.033684	0.46774	0.156794	0.00067	0.132734	0.00406	0.177204	0.00012
0.2875	0.190295	3.49E-05	0.210715	4.37E-06	0.27499	1.51E-09	0.047658	0.30408
0.00061	0.152464	0.00095	0.290402	1.58E-10	0.369078	1.62E-16	-0.01466	0.75203

2.05E-06	0.09339	0.04368	0.032176	0.48791	0.064167	0.16625	0.122995	0.00779
0.06256	0.12873	0.00534	0.075004	0.10549	0.16556	0.00033	0.053233	0.25092
0.09941	0.068773	0.13782	0.046447	0.31655	0.161668	0.00045	0.034751	0.45374
6.87E-05	-0.11321	0.01437	-0.03864	0.4048	0.056786	0.22063	-0.10277	0.02637
0.05903	0.058722	0.20527	0.259635	1.24E-08	0.157622	0.00063	0.140423	0.00235
0.77132	0.075336	0.10396	0.128836	0.0053	0.139732	0.00247	-0.13499	0.00347
0.00103	0.176765	0.00012	0.259859	1.21E-08	0.264669	6.32E-09	0.060256	0.19366
1.08E-12	0.282057	5.46E-10	0.441556	1.05E-23	0.387493	3.52E-18	0.355495	2.34E-15
1.99E-13	0.165182	0.00034	0.270863	2.69E-09	0.240489	1.44E-07	0.26148	9.72E-09
0.06552	0.162839	0.00041	0.309265	8.28E-12	0.333624	1.33E-13	0.207157	6.37E-06
9.31E-11	0.243155	1.03E-07	0.20773	6.00E-06	0.204161	8.71E-06	0.105665	0.02239
0.05954	0.094714	0.04077	0.234749	2.88E-07	0.236473	2.34E-07	0.047985	0.30077
0.01055	-0.00044	0.99246	0.007146	0.8776	-0.07392	0.11066	0.09457	0.04107
0.00693	0.282179	5.36E-10	0.281521	5.90E-10	0.370753	1.15E-16	0.103835	0.02484
8.08E-07	0.172994	0.00017	0.19501	2.20E-05	0.261529	9.65E-09	0.235928	2.50E-07
7.45E-07	0.20293	9.89E-06	0.301929	2.68E-11	0.276628	1.19E-09	0.266265	5.08E-09
0.32328	0.038638	0.40482	0.14158	0.00216	0.15599	0.00072	0.062434	0.17801
1.84E-07	0.241412	1.28E-07	0.25987	1.21E-08	0.315459	3.00E-12	0.218789	1.81E-06
2.36E-05	0.205747	7.38E-06	0.305742	1.46E-11	0.340365	3.95E-14	0.180288	8.94E-05
3.24E-21	-0.20688	6.56E-06	-0.16872	0.00025	-0.00364	0.93748	-0.27427	1.67E-09
2.66E-06	0.010441	0.82196	0.093932	0.04246	0.261093	1.02E-08	-0.1648	0.00035
6.79E-18	-0.02065	0.65617	0.120251	0.00929	0.241534	1.26E-07	-0.15911	0.00056
2.21E-16	0.141759	0.00214	0.291001	1.45E-10	0.195947	2.00E-05	0.257785	1.59E-08
0.50622	0.142079	0.00209	0.18175	7.81E-05	0.266223	5.11E-09	0.129007	0.00524
0.07553	0.187368	4.61E-05	0.266182	5.14E-09	0.3642	4.28E-16	0.169895	0.00023
0.01188	0.032327	0.48587	0.147955	0.00134	0.214449	2.92E-06	0.173475	0.00016
0.56621	0.077592	0.09397	0.238225	1.89E-07	0.244369	8.89E-08	0.166083	0.00031
0.00078	0.066398	0.15197	0.016452	0.72289	0.119304	0.00987	0.195105	2.18E-05
7.61E-05	0.342471	2.69E-14	0.255159	2.24E-08	0.418186	3.41E-21	0.131692	0.00436
0.21941	0.176791	0.00012	0.185071	5.73E-05	0.260388	1.12E-08	0.143032	0.00194
0.94835	-0.16567	0.00032	-0.35877	1.24E-15	-0.38056	1.53E-17	-0.20209	1.08E-05
0.74529	-0.012	0.79594	0.050282	0.2782	0.107281	0.0204	0.042956	0.35433
0.00396	-0.13121	0.00451	-0.00147	0.97472	0.055308	0.2329	0.002015	0.96536
0.23655	-0.13847	0.00271	-0.22228	1.23E-06	-0.23388	3.19E-07	-0.03421	0.46086
6.55E-07	-0.47947	3.22E-28	-0.38037	1.59E-17	-0.45604	2.31E-25	-0.27933	8.11E-10
0.41466	0.331138	2.06E-13	0.351161	5.34E-15	0.396397	5.06E-19	0.166419	0.0003
0.73507	0.122817	0.00788	0.246476	6.83E-08	0.300559	3.32E-11	0.07362	0.1121
0.00016	-0.02315	0.6177	0.109716	0.0177	0.144478	0.00175	-0.14162	0.00216
0.10076	0.140608	0.00232	0.238121	1.92E-07	0.243425	1.00E-07	0.071259	0.12411
0.37341	0.066176	0.15335	0.133195	0.00393	0.228226	6.20E-07	0.013177	0.77641
0.00033	0.164991	0.00034	0.24554	7.68E-08	0.292552	1.14E-10	0.191295	3.16E-05
0.00833	0.211082	4.20E-06	0.186023	5.24E-05	0.306973	1.20E-11	0.175276	0.00014
0.00114	0.104118	0.02444	0.11362	0.01402	0.292904	1.08E-10	-0.01195	0.79676
0.7868	0.010556	0.82002	0.100705	0.02956	0.118307	0.0105	0.038928	0.4013
0.00982	-0.2354	2.66E-07	-0.31998	1.41E-12	-0.37505	4.81E-17	-0.06955	0.13341

0.04354	0.159536	0.00054	0.183419	6.69E-05	0.206883	6.55E-06	0.025731	0.57914
3.74E-06	0.13018	0.00484	0.100614	0.02971	0.174367	0.00015	0.136903	0.00303
0.00506	-0.00136	0.97664	0.008924	0.84748	0.155253	0.00076	0.047516	0.30553
0.07489	0.114297	0.01346	0.168463	0.00026	0.218996	1.77E-06	0.096989	0.03615
6.04E-05	-0.27882	8.72E-10	-0.22593	8.08E-07	-0.22568	8.33E-07	-0.3204	1.31E-12
0.08287	0.212568	3.58E-06	0.343846	2.09E-14	0.398701	3.03E-19	0.18234	7.40E-05
6.48E-12	-0.3557	2.25E-15	-0.36926	1.56E-16	-0.34355	2.21E-14	-0.28303	4.73E-10
0.85608	0.121144	0.00878	0.202531	1.03E-05	0.272325	2.20E-09	0.075628	0.10262
1.90E-13	-0.17339	0.00017	-0.05341	0.24934	-0.02041	0.65994	-0.18056	8.72E-05
0.4611	0.065371	0.15842	0.129782	0.00497	0.123909	0.00734	-0.08926	0.0539
9.90E-05	0.034669	0.45481	0.191149	3.21E-05	0.263872	7.04E-09	-0.0667	0.15014
0.02312	0.161168	0.00047	0.2588	1.39E-08	0.360955	8.11E-16	0.058252	0.20892
7.02E-08	0.288465	2.12E-10	0.222983	1.13E-06	0.265065	5.99E-09	0.192559	2.80E-05
0.00016	0.206727	6.66E-06	0.268826	3.57E-09	0.278585	9.02E-10	0.095377	0.03937
1.93E-05	-0.02372	0.60919	0.031146	0.50195	0.062755	0.17579	-0.16222	0.00043
1.57E-05	0.033002	0.4768	0.051267	0.26888	0.173716	0.00016	-0.13433	0.00363
0.83441	0.092196	0.04645	0.153978	0.00084	0.199196	1.45E-05	0.060988	0.18829
0.66917	-0.00082	0.98584	0.085177	0.0659	0.122884	0.00785	-0.00454	0.9221
0.15083	0.088978	0.05467	0.076566	0.09841	0.168789	0.00025	0.006089	0.89558
0.03894	0.223607	1.05E-06	0.258291	1.49E-08	0.342862	2.50E-14	0.125856	0.00646
4.65E-05	-0.19907	1.46E-05	-0.10804	0.01953	-0.28556	3.26E-10	-0.16076	0.00049
0.51814	-0.16518	0.00034	-0.11697	0.01142	-0.26553	5.62E-09	0.010409	0.82249
7.80E-10	0.077947	0.09247	0.173904	0.00016	0.124199	0.00721	0.140429	0.00235
0.01054	0.064908	0.1614	0.111809	0.01564	0.225899	8.12E-07	-0.01204	0.79528
0.80601	0.075114	0.10498	0.15811	0.00061	0.230886	4.55E-07	0.043668	0.3464
3.93E-07	0.01793	0.69915	0.189879	3.63E-05	0.273572	1.84E-09	0.052534	0.25721
3.80E-07	0.197072	1.79E-05	0.169834	0.00023	0.169388	0.00024	0.130456	0.00475
0.00027	0.194046	2.42E-05	0.144998	0.00168	0.185931	5.29E-05	0.119629	0.00967
0.10364	0.049505	0.2857	0.121187	0.00875	0.15541	0.00075	-0.04085	0.37839
0.00131	-0.03842	0.40742	-0.11442	0.01336	-0.22637	7.69E-07	0.154624	0.0008
0.13358	-0.1823	7.42E-05	-0.19051	3.41E-05	-0.19491	2.22E-05	-0.03289	0.4783
0.00051	-0.31241	4.96E-12	-0.18062	8.67E-05	-0.13051	0.00473	-0.18762	4.50E-05
0.05061	-0.03072	0.50782	0.067795	0.14351	0.139001	0.00261	-0.0926	0.0455
0.82749	0.089905	0.05219	0.13468	0.00355	0.207276	6.29E-06	-0.00152	0.97381
0.18117	0.244629	8.61E-08	0.19234	2.86E-05	0.359399	1.10E-15	0.154709	0.00079
0.11959	0.003208	0.94488	0.160588	0.00049	0.150568	0.0011	0.043771	0.34526
0.82554	0.113543	0.01409	0.215555	2.59E-06	0.260073	1.17E-08	-0.02811	0.54455
0.00181	0.129003	0.00524	0.171865	0.00019	0.281161	6.22E-10	0.231528	4.22E-07
0.85476	-0.09143	0.0483	0.108231	0.01931	0.068837	0.13745	0.060557	0.19144
1.87E-11	-0.09968	0.03127	-0.03192	0.49134	0.061743	0.18287	-0.08343	0.07166
0.26755	0.123882	0.00736	0.321957	1.01E-12	0.316982	2.33E-12	0.247937	5.68E-08
0.19431	0.220957	1.42E-06	0.177495	0.00012	0.295087	7.76E-11	0.084192	0.0691
5.78E-09	0.291863	1.27E-10	0.232113	3.94E-07	0.401088	1.78E-19	0.044207	0.34047
0.20464	0.029864	0.51972	0.095169	0.0398	0.207629	6.06E-06	0.049012	0.29053
0.58534	0.10739	0.02027	0.146434	0.00151	0.224772	9.23E-07	0.042395	0.36066

8.99E-05	-0.00433	0.92565	0.109508	0.01792	0.186243	5.13E-05	-0.02602	0.57484
0.39414	0.183821	6.45E-05	0.119005	0.01005	0.229703	5.22E-07	-0.0306	0.50941
0.00178	0.335568	9.38E-14	0.360642	8.63E-16	0.409746	2.47E-20	0.15109	0.00106
6.62E-05	0.310539	6.73E-12	0.462419	4.05E-26	0.476098	8.55E-28	0.296769	5.99E-11
0.09955	-0.13077	0.00465	-0.104	0.02461	-0.24666	6.67E-08	-0.07754	0.0942
1.44E-13	0.035866	0.43938	0.016364	0.72431	0.134651	0.00355	-0.17272	0.00018
0.01017	0.094357	0.04153	0.063604	0.17	0.160377	0.0005	0.138215	0.00276
0.32365	0.279794	7.58E-10	0.237346	2.11E-07	0.359603	1.06E-15	0.160037	0.00052
0.08648	8.09E-05	0.99861	0.064632	0.16319	0.172547	0.00018	-0.07001	0.13086
0.63596	-0.01162	0.80228	0.098377	0.03355	0.135362	0.00338	0.050665	0.27455
0.68345	0.19225	2.88E-05	0.171926	0.00019	0.238278	1.88E-07	0.046812	0.31275
0.04812	0.1143	0.01345	0.151158	0.00105	0.156562	0.00069	0.002057	0.96465
0.87064	-0.33224	1.70E-13	-0.06757	0.14484	-0.12598	0.00641	-0.22704	7.11E-07
0.2089	0.195472	2.10E-05	0.22984	5.14E-07	0.339305	4.79E-14	0.086308	0.06237
0.04695	-0.26896	3.51E-09	-0.35618	2.05E-15	-0.41368	9.89E-21	-0.22943	5.39E-07
0.00483	0.3857	5.17E-18	0.265213	5.87E-09	0.376114	3.86E-17	0.016198	0.72699
0.81717	0.095514	0.03909	0.181339	8.11E-05	0.209542	4.95E-06	-0.06582	0.15556
7.75E-07	0.465344	1.80E-26	0.343049	2.42E-14	0.299369	4.00E-11	0.207252	6.31E-06
8.92E-07	0.275983	1.31E-09	0.262958	7.97E-09	0.331821	1.82E-13	0.156396	0.00069
1.38E-09	0.151584	0.00102	0.119086	0.01	0.206873	6.56E-06	0.219916	1.60E-06
0.10837	-0.20899	5.25E-06	0.000858	0.98525	-0.16126	0.00047	-0.09197	0.04698
0.00116	0.032062	0.48945	0.184972	5.79E-05	0.108052	0.01951	0.200967	1.21E-05
2.43E-06	0.004469	0.92326	0.029664	0.52252	0.136417	0.00314	-0.21852	1.87E-06
0.00857	0.148652	0.00127	0.150693	0.00109	0.151066	0.00106	0.141475	0.00218
0.25211	0.1331	0.00396	0.166359	0.00031	0.184477	6.06E-05	-0.04721	0.30866
0.00022	0.0047	0.91931	0.035159	0.44845	0.107783	0.01982	-0.11768	0.01092
0.0512	-0.00963	0.83559	0.012755	0.78338	0.117971	0.01073	-0.01471	0.75122
0.00111	-0.04545	0.32707	-0.00824	0.85898	0.023402	0.61396	0.040821	0.37877
2.92E-09	-0.11891	0.01011	0.094031	0.04225	0.119262	0.00989	-0.12047	0.00916
0.2891	0.022149	0.63307	0.102854	0.02624	0.090606	0.05037	0.0709	0.12602
0.0765	-0.09325	0.04399	-0.09928	0.03195	-0.25583	2.06E-08	-0.08564	0.06443
0.00021	0.260411	1.12E-08	0.256025	2.00E-08	0.303166	2.20E-11	0.198555	1.54E-05
6.35E-12	-0.06911	0.13591	0.010848	0.81513	0.098445	0.03343	-0.05365	0.24722
0.03442	-0.06179	0.18257	0.011233	0.80869	0.030419	0.51198	-0.19242	2.83E-05
2.69E-07	-0.03126	0.50041	-0.00287	0.95064	-0.10426	0.02425	0.207217	6.33E-06
0.58406	-0.03489	0.45191	-0.13772	0.00286	-0.2322	3.90E-07	-0.02424	0.60131
5.28E-11	-0.00371	0.93619	0.006842	0.88276	-0.07071	0.12706	0.212811	3.49E-06
0.06649	0.134224	0.00366	0.184555	6.02E-05	0.288298	2.17E-10	0.120117	0.00937
0.01007	-0.0027	0.95354	0.093866	0.04261	0.126438	0.00622	-0.06401	0.16727
2.00E-24	0.084407	0.06839	0.071131	0.12479	-0.0869	0.06059	0.2344	3.00E-07
7.02E-18	0.255914	2.03E-08	0.158213	0.0006	0.162426	0.00042	0.149135	0.00123
0.00177	0.107015	0.02072	0.002993	0.94856	-0.06955	0.13343	0.008859	0.84858
0.42086	0.048144	0.29917	0.059762	0.19735	0.056583	0.22228	-0.01073	0.81715
3.32E-06	0.152632	0.00094	0.141764	0.00213	0.086486	0.06184	0.179308	9.78E-05
0.00129	0.037876	0.41415	0.087697	0.05826	-0.00343	0.94114	0.044454	0.33778

0.73779	0.014841	0.74906	0.05424	0.24206	0.140835	0.00228	0.003856	0.93377
0.00026	0.138502	0.0027	0.110078	0.01733	0.145804	0.00158	0.054705	0.23804
0.24684	0.207324	6.26E-06	0.23409	3.11E-07	0.312168	5.16E-12	0.052001	0.26208
0.00399	0.024027	0.60453	0.099317	0.03189	0.121953	0.00833	-0.1282	0.00553
3.55E-09	-0.21376	3.15E-06	-0.09723	0.03568	-0.05554	0.23098	-0.25267	3.10E-08
0.00798	-0.10011	0.03054	-0.10037	0.0301	-0.0753	0.10411	0.020735	0.65493
0.00019	0.225911	8.11E-07	0.250543	4.08E-08	0.225335	8.66E-07	0.29305	1.06E-10
1.52E-06	0.271921	2.32E-09	0.190844	3.31E-05	0.286736	2.74E-10	0.256643	1.85E-08
0.35055	0.096446	0.03721	0.146736	0.00147	0.172857	0.00017	0.059313	0.20074
0.86691	0.075402	0.10365	0.169469	0.00023	0.206918	6.53E-06	0.06581	0.15564
1.48E-06	-0.07011	0.13032	0.050968	0.27168	0.1353	0.0034	-0.15938	0.00055
2.44E-09	-0.0487	0.29365	0.020988	0.65099	0.120241	0.0093	-0.18884	4.01E-05
0.52976	0.071786	0.12135	0.093018	0.04453	0.120846	0.00895	-0.03337	0.47192
0.17838	0.003326	0.94285	0.035314	0.44646	0.079019	0.08806	-0.05185	0.26346
1.90E-06	0.060995	0.18824	0.068386	0.14005	0.194841	2.24E-05	-0.14265	0.002
0.56837	0.021948	0.63615	0.13381	0.00377	0.16245	0.00042	-0.03235	0.48553
0.00021	0.041295	0.37326	0.007963	0.86373	0.084354	0.06857	-0.04881	0.29252
0.44265	-0.0454	0.32761	0.118342	0.01048	0.10244	0.02685	0.049241	0.28829
0.95519	0.021348	0.64542	0.104066	0.02451	0.146598	0.00149	0.061168	0.18699
0.00029	0.179565	9.55E-05	0.173257	0.00017	0.194184	2.39E-05	0.151656	0.00101
0.08813	-0.08768	0.05832	-0.02674	0.56439	-0.07286	0.11586	-0.03412	0.46204
2.42E-06	-0.25143	3.64E-08	-0.12537	0.00667	-0.12702	0.00598	-0.30217	2.58E-11
0.18951	-0.29792	5.01E-11	-0.27403	1.73E-09	-0.36186	6.79E-16	-0.14774	0.00137
0.13845	0.176648	0.00012	0.208797	5.36E-06	0.38126	1.32E-17	0.069263	0.13503
1.87E-09	-0.00107	0.9816	0.076745	0.09762	0.283411	4.48E-10	-0.13094	0.00459
0.25345	0.023808	0.60783	0.203968	8.88E-06	0.173421	0.00017	0.149852	0.00116
5.16E-18	-0.121	0.00886	-0.07502	0.10541	0.063147	0.1731	-0.3029	2.30E-11
0.1327	0.158303	0.0006	0.101148	0.02885	0.180575	8.70E-05	0.003997	0.93135
3.85E-18	0.382776	9.61E-18	0.312078	5.24E-12	0.298024	4.93E-11	0.282438	5.16E-10
0.00143	-0.24034	1.46E-07	-0.14014	0.0024	-0.26376	7.15E-09	0.09237	0.04604
0.04004	0.066928	0.14872	0.150333	0.00112	0.065905	0.15504	0.268575	3.70E-09
0.04546	0.075212	0.10453	0.163707	0.00038	0.271203	2.57E-09	0.007087	0.87859
0.10649	-0.18913	3.90E-05	-0.23783	1.99E-07	-0.27843	9.23E-10	0.04417	0.34088
3.80E-10	0.162455	0.00042	0.215541	2.59E-06	0.3568	1.82E-15	0.001459	0.97492
0.09694	0.185058	5.74E-05	0.263655	7.25E-09	0.278371	9.30E-10	-0.01312	0.77741
0.03677	-0.12473	0.00696	-0.00633	0.89146	-0.01576	0.73417	-0.14679	0.00147
0.15007	0.085671	0.06434	0.149825	0.00116	0.143352	0.0019	0.112406	0.01509
0.11003	0.130016	0.00489	0.22682	7.30E-07	0.305329	1.56E-11	0.240869	1.37E-07
0.38215	0.011068	0.81145	0.16153	0.00046	0.160253	0.00051	0.057957	0.21124
6.67E-07	0.086996	0.06031	0.145371	0.00163	0.35855	1.30E-15	-0.0552	0.23384
0.00451	0.11427	0.01348	0.260194	1.15E-08	0.234732	2.88E-07	0.138077	0.00279
0.00063	0.167914	0.00027	0.159512	0.00054	0.308583	9.25E-12	0.068233	0.14094
0.47016	0.089237	0.05397	0.181921	7.69E-05	0.23693	2.22E-07	0.051653	0.26529
8.19E-07	0.176425	0.00013	0.224601	9.42E-07	0.248373	5.37E-08	0.099641	0.03133
0.93681	-0.12349	0.00755	0.012452	0.78841	-0.02236	0.62976	-0.02186	0.63748



1.16E-08	0.073563	0.11237	0.084824	0.06703	0.193377	2.58E-05	-0.07356	0.11241
0.0003	0.145819	0.00158	0.193444	2.57E-05	0.224019	1.01E-06	0.104301	0.02419
0.00876	0.041642	0.36925	0.186814	4.86E-05	0.094279	0.0417	0.115426	0.01256
0.03383	0.107191	0.02051	0.099269	0.03197	0.155636	0.00074	-0.044	0.34272
0.24391	-0.04141	0.37189	0.031003	0.50391	-0.00074	0.98733	0.079472	0.08625
0.00571	0.114682	0.01314	0.183	6.96E-05	0.246558	6.76E-08	0.053264	0.25065
1.05E-05	0.04071	0.38007	0.250899	3.89E-08	0.097976	0.03428	0.376674	3.44E-17
9.39E-11	0.181369	8.09E-05	0.249781	4.49E-08	0.238054	1.93E-07	0.299575	3.87E-11
0.00764	0.034417	0.45809	-0.00308	0.947	0.018526	0.68966	0.059572	0.19877
0.66391	-0.05673	0.22106	-0.02757	0.55233	0.052122	0.26096	0.00948	0.8381
0.0027	0.168711	0.00025	0.249265	4.80E-08	0.240686	1.40E-07	0.113766	0.0139
0.51722	0.116798	0.01154	0.188361	4.20E-05	0.265209	5.87E-09	0.014348	0.75714
4.69E-18	0.282711	4.96E-10	0.298358	4.68E-11	0.296564	6.18E-11	0.216701	2.28E-06
0.03015	-0.02271	0.62442	0.071467	0.12301	0.134563	0.00358	-0.07996	0.08434
0.59753	0.092976	0.04462	0.188828	4.01E-05	0.250893	3.90E-08	-0.01585	0.73265
0.81649	0.058572	0.20643	0.243331	1.01E-07	0.230474	4.77E-07	0.040272	0.38522
4.01E-07	0.330318	2.38E-13	0.366125	2.92E-16	0.423422	9.70E-22	0.30125	2.98E-11
0.14621	0.012524	0.78721	0.078245	0.09123	0.110362	0.01704	-0.07428	0.10891
0.9682	0.169831	0.00023	0.159668	0.00053	0.407429	4.21E-20	0.095315	0.0395
0.64613	0.050616	0.27501	0.137831	0.00284	0.180248	8.97E-05	0.027522	0.553
0.00392	0.036715	0.42861	0.01044	0.82197	0.265514	5.63E-09	0.002104	0.96384
8.29E-10	0.336197	8.38E-14	0.266982	4.61E-09	0.35599	2.13E-15	0.21582	2.51E-06
0.22879	0.308598	9.23E-12	0.196336	1.93E-05	0.210956	4.26E-06	-0.01095	0.8135
0.09022	0.068048	0.14203	0.163196	0.0004	0.219508	1.67E-06	0.018106	0.69635
0.00112	0.155627	0.00074	0.200782	1.23E-05	0.235201	2.73E-07	0.138279	0.00275
0.00206	0.04655	0.31548	0.137432	0.00292	0.142095	0.00208	0.0804	0.08263
0.00087	0.060482	0.19199	0.099098	0.03227	0.105838	0.02217	0.042627	0.35803
1.99E-06	0.005033	0.91361	0.076419	0.09906	0.161268	0.00047	-0.04614	0.3198
0.79857	0.001413	0.9757	0.086592	0.06152	0.170436	0.00022	0.02768	0.55072
0.01569	-0.06048	0.19199	-0.04576	0.32376	0.114615	0.0132	-0.06888	0.13722
0.142	0.027069	0.55955	0.16738	0.00028	0.152437	0.00095	0.000776	0.98665
0.39519	-0.04677	0.31317	0.055448	0.23171	0.071058	0.12518	-0.08169	0.07782
0.00585	0.055599	0.23044	0.118912	0.01011	0.059745	0.19747	0.104969	0.02329
0.00161	0.107752	0.01985	0.245863	7.38E-08	0.256693	1.84E-08	0.297786	5.12E-11
0.00074	0.271421	2.49E-09	0.338709	5.33E-14	0.403855	9.52E-20	0.195767	2.04E-05
0.00484	0.126728	0.0061	0.227745	6.56E-07	0.309832	7.55E-12	-0.00294	0.94941
8.60E-18	-0.14537	0.00163	-0.05939	0.20013	0.032214	0.48739	-0.18584	5.33E-05
8.47E-05	0.290894	1.47E-10	0.413109	1.13E-20	0.436025	4.29E-23	0.313923	3.87E-12
0.97389	0.18905	3.93E-05	0.146881	0.00146	0.273333	1.91E-09	0.04313	0.35238
0.16135	0.211996	3.81E-06	0.242113	1.18E-07	0.30226	2.54E-11	0.031881	0.4919
0.01103	0.09673	0.03665	0.22047	1.50E-06	0.228784	5.82E-07	0.104483	0.02394
0.10438	0.20053	1.26E-05	0.230243	4.90E-07	0.205812	7.33E-06	0.293627	9.70E-11
0.26918	0.051143	0.27004	0.126207	0.00631	0.153182	0.0009	0.010476	0.82136
0.46144	0.0348	0.45311	0.054423	0.24047	0.076786	0.09745	-0.12863	0.00537
0.01215	-0.01761	0.70423	0.123272	0.00765	0.169043	0.00024	-0.03348	0.47044

0.00413	0.153093	0.0009	0.197246	1.76E-05	0.229913	5.10E-07	0.316868	2.37E-12
0.99119	0.052937	0.25357	0.112131	0.01534	0.168808	0.00025	0.008926	0.84745
0.4303	-0.12258	0.008	-0.00401	0.93118	-0.00133	0.97716	-0.15283	0.00092
2.19E-14	0.018383	0.69193	0.131371	0.00446	0.08876	0.05527	0.20217	1.07E-05
9.54E-07	0.296633	6.11E-11	0.297933	5.00E-11	0.388175	3.04E-18	0.338084	5.97E-14
1.70E-18	0.270726	2.75E-09	0.305245	1.58E-11	0.33055	2.28E-13	0.269861	3.10E-09
2.39E-12	0.507038	7.13E-32	0.456116	2.26E-25	0.455074	2.99E-25	0.272418	2.17E-09
9.48E-09	0.198865	1.50E-05	0.206863	6.57E-06	0.255945	2.02E-08	0.112001	0.01546
0.02884	0.035324	0.44633	0.080736	0.08135	0.059986	0.19567	0.136731	0.00307
0.80422	0.042349	0.36117	0.13596	0.00324	0.189566	3.74E-05	-0.00904	0.84547
0.55081	0.027213	0.55746	0.129411	0.0051	0.160128	0.00051	0.021517	0.64279
0.66571	0.049384	0.28688	0.179831	9.32E-05	0.213682	3.17E-06	0.020199	0.66329
0.01444	0.074876	0.10609	0.10456	0.02384	0.102818	0.02629	0.056881	0.21986
3.10E-07	-0.14365	0.00186	-0.17555	0.00014	-0.13219	0.00422	-0.19389	2.46E-05
0.52476	0.303759	2.00E-11	0.168846	0.00025	0.321714	1.05E-12	0.143472	0.00188
0.60244	0.067686	0.14416	0.14149	0.00218	0.185041	5.75E-05	0.098417	0.03348
0.14647	0.118402	0.01044	0.210429	4.50E-06	0.276092	1.29E-09	0.094218	0.04184
0.00478	0.073916	0.11066	0.075736	0.10213	0.114563	0.01324	0.102871	0.02622
0.18025	-0.07979	0.085	-0.20958	4.93E-06	-0.15384	0.00085	-0.17397	0.00016
6.65E-05	0.253041	2.95E-08	0.254337	2.50E-08	0.382969	9.22E-18	0.243724	9.64E-08
0.0169	0.060541	0.19155	0.166217	0.00031	0.258489	1.45E-08	-0.06121	0.18669
0.35965	-0.04609	0.32033	0.111887	0.01556	0.114763	0.01308	-0.06676	0.14973
0.94699	0.104774	0.02355	0.147764	0.00136	0.175523	0.00014	0.054614	0.23882
0.85423	0.028164	0.54377	0.126311	0.00627	0.12925	0.00515	0.023706	0.60936
2.59E-06	0.230608	4.70E-07	0.242033	1.19E-07	0.250124	4.30E-08	0.126394	0.00624
0.76774	0.08622	0.06265	0.10592	0.02206	0.097887	0.03445	-0.02118	0.64804
0.10435	0.067927	0.14274	0.121692	0.00848	0.143145	0.00193	-0.02726	0.55678
1.16E-15	0.246037	7.22E-08	0.312504	4.88E-12	0.298544	4.55E-11	0.305981	1.41E-11
0.45281	-0.0205	0.65865	0.047277	0.30797	0.127461	0.00581	0.003569	0.93868
3.09E-06	0.26452	6.45E-09	0.30787	1.04E-11	0.344496	1.85E-14	0.159023	0.00056
0.0212	0.069743	0.13233	0.12474	0.00696	0.23566	2.58E-07	0.00423	0.92736
0.04338	-0.01541	0.73982	0.024809	0.5928	0.121951	0.00834	-0.08034	0.08285
0.08328	-0.0269	0.56201	0.054747	0.23768	0.185885	5.31E-05	-0.10669	0.02111
0.02041	0.136168	0.00319	0.205347	7.70E-06	0.21451	2.90E-06	0.110223	0.01718
1.12E-08	0.361711	7.00E-16	0.408432	3.35E-20	0.475288	1.08E-27	0.372814	7.59E-17
8.47E-10	-0.14974	0.00117	-0.02007	0.66524	0.016881	0.71597	-0.23644	2.35E-07
8.79E-05	0.174141	0.00016	0.211687	3.94E-06	0.225451	8.54E-07	0.240395	1.45E-07
0.07965	0.060286	0.19343	0.191752	3.03E-05	0.264646	6.34E-09	0.068277	0.14069
5.64E-10	0.200563	1.26E-05	0.273414	1.88E-09	0.262774	8.17E-09	0.281845	5.63E-10
0.81091	0.079346	0.08675	0.138677	0.00267	0.23506	2.77E-07	-0.04488	0.33322
0.78719	-0.00406	0.93028	0.101004	0.02908	0.104316	0.02417	-0.05252	0.25734
0.51264	0.216406	2.36E-06	0.249035	4.94E-08	0.344783	1.76E-14	0.081608	0.07811
2.00E-07	0.31033	6.97E-12	0.389552	2.26E-18	0.371398	1.01E-16	0.226345	7.71E-07
0.09258	-0.02352	0.61216	0.103452	0.02538	0.151415	0.00103	-0.06198	0.18121
4.21E-19	0.151645	0.00101	0.267859	4.08E-09	0.128158	0.00554	0.250561	4.07E-08

1.57E-11	-0.23871	1.78E-07	-0.15125	0.00104	-0.23629	2.39E-07	-0.22169	1.31E-06
0.91412	0.234681	2.90E-07	0.254331	2.50E-08	0.421353	1.60E-21	0.150683	0.00109
8.75E-18	0.416032	5.68E-21	0.286749	2.73E-10	0.263917	7.00E-09	0.270541	2.82E-09
1.75E-20	0.343496	2.23E-14	0.404224	8.76E-20	0.407093	4.55E-20	0.414402	8.34E-21
0.78997	0.324181	6.89E-13	0.236108	2.45E-07	0.474788	1.25E-27	0.176117	0.00013
0.59468	0.238927	1.74E-07	0.232459	3.78E-07	0.394368	7.92E-19	0.109431	0.018
0.07229	-0.06149	0.18466	0.1899	3.62E-05	0.175294	0.00014	0.075807	0.10181
6.13E-05	0.104975	0.02328	0.105844	0.02216	0.096212	0.03767	0.129111	0.0052
0.01425	-0.07172	0.1217	0.009195	0.84291	0.075438	0.10349	-0.0499	0.28186
2.38E-06	-0.0867	0.06119	-0.00782	0.86611	0.108266	0.01927	-0.21067	4.39E-06
3.56E-10	0.417529	3.98E-21	0.338844	5.21E-14	0.398677	3.05E-19	0.255423	2.17E-08
2.87E-07	0.253068	2.94E-08	0.282934	4.80E-10	0.337743	6.35E-14	0.24109	1.33E-07
4.38E-05	0.24906	4.93E-08	0.167774	0.00027	0.344396	1.89E-14	0.185382	5.57E-05
0.38159	0.081273	0.07934	0.124577	0.00703	0.132474	0.00413	-0.09357	0.04328
0.2751	0.142269	0.00206	0.148608	0.00128	0.252929	3.00E-08	0.037005	0.42498
0.58005	0.135876	0.00326	0.13184	0.00432	0.203639	9.19E-06	-0.02444	0.59835
0.02939	-0.08832	0.05648	0.098332	0.03363	0.110703	0.0167	0.033704	0.46746
0.00232	-0.01497	0.74697	0.164428	0.00036	0.204561	8.35E-06	-0.14368	0.00185
0.54684	0.04954	0.28536	0.098647	0.03307	0.124277	0.00717	-0.06882	0.13754
0.02262	0.106051	0.0219	0.114135	0.01359	0.207336	6.25E-06	0.001936	0.96672
0.00026	-0.33719	7.02E-14	-0.29309	1.05E-10	-0.33346	1.36E-13	-0.2593	1.30E-08
0.05199	0.21751	2.09E-06	0.121056	0.00883	0.122008	0.0083	0.062849	0.17513
0.04011	0.186361	5.08E-05	0.236114	2.44E-07	0.261838	9.26E-09	0.006259	0.8927
0.04009	0.090217	0.05137	0.131035	0.00456	0.190525	3.41E-05	0.071122	0.12484
0.00016	0.151903	0.00099	0.239942	1.54E-07	0.233062	3.52E-07	0.136674	0.00308
0.3296	0.179403	9.69E-05	0.347091	1.15E-14	0.404362	8.49E-20	0.163305	0.00039
0.8698	0.213828	3.12E-06	0.312119	5.20E-12	0.409385	2.69E-20	0.131479	0.00443
0.00774	0.169188	0.00024	0.246912	6.46E-08	0.411715	1.56E-20	0.021069	0.64973
0.00218	0.150942	0.00107	0.22309	1.12E-06	0.415873	5.90E-21	-0.01644	0.72312
0.13831	0.37795	2.64E-17	0.338222	5.82E-14	0.520796	7.97E-34	0.172992	0.00017
0.09212	0.164575	0.00036	0.223824	1.03E-06	0.285652	3.22E-10	0.065673	0.15651
0.61825	0.202091	1.08E-05	0.275973	1.31E-09	0.361969	6.65E-16	0.170554	0.00021
1.28E-19	0.284599	3.76E-10	0.213609	3.20E-06	0.215072	2.73E-06	0.272938	2.01E-09
6.43E-05	0.093383	0.04369	0.137026	0.003	0.142006	0.0021	0.129741	0.00498
0.47117	-0.14131	0.00221	-0.16845	0.00026	-0.24557	7.66E-08	-0.08994	0.05209
1.64E-05	0.070603	0.12762	0.150543	0.0011	0.148848	0.00126	0.04267	0.35755
0.88987	0.165639	0.00032	0.206441	6.87E-06	0.279589	7.81E-10	0.122206	0.0082
4.17E-08	0.136217	0.00318	0.17586	0.00013	0.169579	0.00023	0.210711	4.37E-06
0.00019	-0.29214	1.22E-10	-0.25266	3.10E-08	-0.36422	4.27E-16	-0.07013	0.13018
0.01519	0.343231	2.34E-14	0.209008	5.24E-06	0.350905	5.60E-15	0.16241	0.00043
0.01455	0.18728	4.65E-05	0.308446	9.45E-12	0.352629	4.04E-15	0.225248	8.75E-07
0.21046	0.243491	9.92E-08	0.146573	0.00149	0.214715	2.84E-06	0.052574	0.25685
0.65436	0.306063	1.39E-11	0.326069	4.98E-13	0.457335	1.62E-25	0.180641	8.65E-05
0.02473	0.316112	2.69E-12	0.308446	9.45E-12	0.379584	1.88E-17	0.200668	1.25E-05
5.31E-10	-0.32866	3.18E-13	-0.10709	0.02062	-0.05324	0.25085	-0.301	3.10E-11

6.26E-07	-0.31071	6.55E-12	-0.22209	1.25E-06	-0.25143	3.64E-08	-0.21854	1.86E-06
2.54E-06	0.227	7.15E-07	0.303602	2.05E-11	0.216057	2.45E-06	0.180237	8.98E-05
1.95E-06	0.098386	0.03354	0.210513	4.46E-06	0.226289	7.76E-07	0.292276	1.19E-10
0.99588	-0.05257	0.25688	0.062228	0.17945	-0.08932	0.05373	0.097598	0.03499
0.00701	-0.08826	0.05667	0.050772	0.27354	0.053858	0.2454	-0.14292	0.00196
0.50494	0.110621	0.01678	0.156624	0.00068	0.237214	2.14E-07	0.048771	0.29292
0.20072	0.075537	0.10303	0.141815	0.00213	0.223292	1.09E-06	0.069777	0.13215
0.18692	0.041756	0.36794	0.138984	0.00261	0.181774	7.80E-05	0.004893	0.91601
1.22E-25	0.224105	9.96E-07	0.284137	4.02E-10	0.158211	0.0006	0.221908	1.28E-06
0.19647	0.078519	0.0901	0.196184	1.96E-05	0.178264	0.00011	-0.0124	0.78928
0.00045	-0.26459	6.39E-09	-0.06476	0.16236	-0.22252	1.19E-06	-0.05943	0.19988
0.38855	-0.04328	0.35069	0.052388	0.25854	0.096627	0.03685	0.019961	0.66701
8.40E-09	0.211904	3.85E-06	0.220595	1.48E-06	0.236529	2.32E-07	0.166217	0.00031
1.54E-07	0.000576	0.9901	0.109962	0.01745	0.209677	4.88E-06	-0.08342	0.07168
0.01553	0.291049	1.44E-10	0.353059	3.72E-15	0.421615	1.50E-21	0.231302	4.33E-07
0.36422	0.061594	0.18393	0.080851	0.08092	0.158603	0.00058	0.066587	0.15081
7.34E-06	0.210703	4.37E-06	0.234566	2.94E-07	0.268072	3.97E-09	0.134971	0.00347
0.10206	-0.06258	0.17698	0.091977	0.04697	0.092194	0.04645	0.309712	7.70E-12
9.44E-08	0.172923	0.00017	0.220288	1.53E-06	0.155487	0.00075	0.051241	0.26913
0.01162	-0.03583	0.43981	0.022999	0.62007	0.079236	0.08719	-0.15279	0.00093
2.32E-06	0.012373	0.78972	0.161211	0.00047	0.245985	7.27E-08	-0.0572	0.21726
0.20362	0.026054	0.57438	0.114796	0.01305	0.118593	0.01032	0.007256	0.87573
1.24E-11	0.126787	0.00608	0.212103	3.76E-06	0.122808	0.00789	0.122871	0.00786
0.00415	0.201248	1.17E-05	0.31473	3.38E-12	0.244312	8.96E-08	0.255236	2.22E-08
0.00313	0.017525	0.70562	0.129768	0.00497	0.215728	2.54E-06	-0.08356	0.07123
0.52483	0.13063	0.00469	0.066799	0.14951	0.102612	0.0266	-0.05259	0.25673
0.00759	0.158264	0.0006	0.216016	2.46E-06	0.196833	1.83E-05	-0.01444	0.75569
0.41987	-0.18353	6.62E-05	-0.18051	8.75E-05	-0.16263	0.00042	-0.05131	0.26846
0.6336	-0.06107	0.18773	-0.0051	0.91239	0.025468	0.58302	-0.03551	0.44398
0.03527	-0.12529	0.00671	0.060963	0.18847	0.033974	0.46391	0.060164	0.19434
2.56E-09	0.491298	9.56E-30	0.38911	2.49E-18	0.460009	7.84E-26	0.284449	3.84E-10
1.18E-13	0.21992	1.60E-06	0.169134	0.00024	0.238901	1.74E-07	0.238149	1.91E-07
0.01573	0.225897	8.12E-07	0.245272	7.94E-08	0.264854	6.16E-09	0.139427	0.00253
0.04341	-0.29482	8.08E-11	-0.29871	4.43E-11	-0.31237	4.99E-12	-0.19179	3.02E-05
0.02014	0.306875	1.22E-11	0.281467	5.95E-10	0.352457	4.18E-15	0.211831	3.88E-06
0.52113	0.078669	0.08948	-0.00533	0.90853	0.121787	0.00842	-0.03241	0.48475
0.43244	0.07786	0.09284	0.101489	0.02831	0.212257	3.70E-06	0.055852	0.22833
0.359	-0.05345	0.249	0.054119	0.24312	0.089444	0.05341	-0.12236	0.00812
0.96765	0.081314	0.07919	0.220588	1.48E-06	0.278809	8.74E-10	0.116167	0.012
0.01015	0.010602	0.81925	0.058996	0.20316	0.08375	0.07058	-0.0287	0.53615
0.00372	-0.1794	9.69E-05	-0.18659	4.97E-05	-0.25265	3.11E-08	-0.06278	0.17562
1.62E-08	-0.0418	0.36749	-0.12811	0.00556	-0.09394	0.04244	-0.18501	5.77E-05
0.06078	0.214835	2.80E-06	0.274614	1.59E-09	0.268193	3.90E-09	0.148588	0.00128
0.00356	0.06052	0.19171	0.157729	0.00062	0.224801	9.20E-07	0.127119	0.00594
1.99E-05	-0.11087	0.01654	0.039182	0.39823	0.073454	0.11291	-0.12536	0.00668

1.22E-18	0.136751	0.00306	-0.02402	0.60463	-0.034	0.46363	0.268486	3.75E-09
0.87865	0.057583	0.21421	0.127937	0.00563	0.153308	0.00089	0.069505	0.13367
0.05547	-0.05718	0.21745	0.070349	0.129	0.096274	0.03755	-0.1603	0.00051
0.03857	0.084041	0.0696	0.15068	0.00109	0.144789	0.00171	-0.01048	0.82124
0.01435	0.150509	0.0011	0.150007	0.00115	0.241625	1.25E-07	0.119164	0.00995
0.06325	-0.096	0.0381	-0.13048	0.00474	-0.05725	0.21688	-0.17262	0.00018
0.03232	0.087383	0.05917	0.199967	1.34E-05	0.219601	1.66E-06	0.096084	0.03793
0.00052	0.035827	0.43987	-0.06786	0.14312	-0.14959	0.00119	0.128498	0.00542
3.11E-05	-0.19971	1.37E-05	-0.31224	5.10E-12	-0.2982	4.80E-11	-0.30746	1.11E-11
9.02E-06	-0.33445	1.15E-13	-0.39071	1.76E-18	-0.45964	8.68E-26	-0.37202	8.92E-17
0.27993	0.203918	8.93E-06	0.092876	0.04485	0.141888	0.00212	0.143462	0.00188
0.0071	0.289631	1.78E-10	0.16672	0.0003	0.253048	2.95E-08	0.335713	9.14E-14
0.56349	0.09494	0.04029	0.187423	4.59E-05	0.201577	1.14E-05	0.032688	0.48101
0.01924	0.026568	0.56685	-0.01084	0.8153	-0.04336	0.34984	0.285409	3.33E-10
0.8495	0.025321	0.5852	0.117494	0.01105	0.017601	0.70442	-0.07816	0.0916
0.06949	0.195585	2.08E-05	0.204425	8.47E-06	0.325974	5.06E-13	0.130506	0.00473
0.6934	0.207222	6.33E-06	0.125277	0.00671	0.100549	0.02981	0.022399	0.62923
0.42575	0.124949	0.00686	0.280954	6.41E-10	0.250837	3.93E-08	0.141149	0.00223
0.0166	0.095324	0.03948	0.263348	7.56E-09	0.279286	8.16E-10	0.083795	0.07043
0.00031	-0.04151	0.37076	0.162189	0.00043	0.129114	0.0052	0.058871	0.20412
0.53822	-0.00543	0.90679	0.093883	0.04257	0.090498	0.05065	-0.0446	0.33618
3.62E-06	-0.06652	0.15121	-0.14828	0.00131	-0.01362	0.76909	-0.19396	2.44E-05
2.43E-09	-0.10846	0.01906	-0.05198	0.26226	0.021896	0.63696	-0.21362	3.19E-06
0.00543	0.133056	0.00397	0.213687	3.17E-06	0.252046	3.36E-08	0.093421	0.04361
5.82E-07	0.095744	0.03862	0.076415	0.09908	0.00079	0.98641	0.30941	8.09E-12
0.40941	0.066236	0.15297	0.151704	0.00101	0.182849	7.06E-05	0.003393	0.9417
0.16754	0.061691	0.18324	0.044311	0.33934	0.16711	0.00029	-0.04675	0.31337
0.47684	-0.04441	0.33827	0.060528	0.19165	0.039803	0.3908	-0.14789	0.00135
0.41547	0.075397	0.10368	0.135006	0.00347	0.174907	0.00015	0.021686	0.64019
5.34E-05	0.124677	0.00698	0.199481	1.41E-05	0.332654	1.57E-13	0.035268	0.44706
0.00077	0.086109	0.06298	0.160944	0.00048	0.205518	7.56E-06	0.041768	0.3678
0.00946	0.414274	8.60E-21	0.331372	1.97E-13	0.373186	7.04E-17	0.083102	0.07279
0.18845	0.429543	2.17E-22	0.352636	4.04E-15	0.561958	3.14E-40	0.17693	0.00012
4.55E-09	-0.00399	0.93146	0.096654	0.0368	0.143126	0.00193	-0.18945	3.78E-05
9.77E-13	-0.00632	0.89162	0.098537	0.03326	0.210693	4.38E-06	-0.12037	0.00922
9.87E-09	-0.18802	4.33E-05	-0.18882	4.02E-05	-0.19939	1.42E-05	-0.09753	0.03512
0.31189	-0.16806	0.00026	0.003683	0.93673	-0.03511	0.4491	-0.0792	0.08735
0.03305	0.247053	6.35E-08	0.364729	3.86E-16	0.405578	6.44E-20	0.243391	1.00E-07
0.30603	0.270139	2.98E-09	0.349154	7.79E-15	0.462193	4.31E-26	0.150114	0.00114
1.28E-12	0.361149	7.81E-16	0.381589	1.23E-17	0.404239	8.73E-20	0.274575	1.60E-09
0.28608	0.131404	0.00445	0.180107	9.09E-05	0.217879	2.00E-06	0.097236	0.03567
0.06733	0.240401	1.45E-07	0.288809	2.01E-10	0.358536	1.30E-15	0.164135	0.00037
0.00048	0.270286	2.92E-09	0.36956	1.47E-16	0.454176	3.81E-25	0.30597	1.41E-11
0.74214	0.086326	0.06232	-0.0126	0.78603	-0.12881	0.00531	0.057578	0.21425
4.62E-11	-0.24009	1.51E-07	-0.20102	1.20E-05	-0.11561	0.01242	-0.44708	2.49E-24

0.08317	0.050423	0.27685	0.188434	4.17E-05	0.264565	6.41E-09	0.089803	0.05245
0.00033	-0.07896	0.08831	0.041212	0.37422	0.12103	0.00884	-0.07596	0.1011
0.56005	0.01593	0.73133	0.085342	0.06538	0.100522	0.02986	-0.12327	0.00766
2.52E-05	0.22442	9.61E-07	0.290168	1.64E-10	0.3091	8.50E-12	0.16106	0.00048
6.47E-05	0.044733	0.33475	0.187199	4.69E-05	0.086937	0.06048	0.030473	0.51124
0.00516	0.111462	0.01596	0.146207	0.00153	0.227053	7.11E-07	0.047675	0.3039
0.29899	0.17381	0.00016	0.177706	0.00011	0.335843	8.93E-14	0.038993	0.40051
3.15E-10	-0.0624	0.17825	-0.17092	0.00021	-0.12941	0.0051	-0.1657	0.00032
7.57E-15	0.333521	1.35E-13	0.344183	1.96E-14	0.372812	7.59E-17	0.348708	8.47E-15
0.39757	0.126006	0.0064	0.141241	0.00222	0.163197	0.0004	0.011954	0.79669
0.92421	0.033785	0.4664	0.097885	0.03445	0.132573	0.00411	0.015708	0.73494
1.08E-10	-0.1108	0.0166	0.042737	0.35679	-0.15642	0.00069	0.123146	0.00772
0.00023	-0.04094	0.37741	0.050492	0.2762	0.094153	0.04198	-0.06877	0.13784
0.76037	-0.28578	3.16E-10	-0.20713	6.39E-06	-0.23063	4.69E-07	-0.02277	0.62349
9.35E-08	-0.03489	0.45195	-0.01185	0.79833	0.170236	0.00022	-0.08111	0.07993
0.10442	0.051025	0.27115	0.21467	2.85E-06	0.189339	3.82E-05	0.120588	0.00909
0.24082	0.16103	0.00048	0.188612	4.10E-05	0.252249	3.27E-08	0.065998	0.15446
0.04195	0.05529	0.23305	0.126432	0.00622	0.146475	0.0015	0.061351	0.18567
1.23E-05	0.29362	9.71E-11	0.245441	7.78E-08	0.329058	2.96E-13	0.274045	1.72E-09
1.98E-06	0.110117	0.01729	0.072406	0.11816	0.087457	0.05896	-0.11122	0.01619
0.00033	0.023519	0.61218	0.083647	0.07093	0.195881	2.02E-05	-0.04735	0.30725
0.00011	-0.07457	0.10755	0.045272	0.32896	0.094486	0.04126	-0.07819	0.09145
1.01E-15	0.314726	3.39E-12	0.246512	6.80E-08	0.230973	4.50E-07	0.280168	7.18E-10
0.66579	0.079603	0.08573	0.145189	0.00166	0.171692	0.00019	-0.02234	0.63006
0.06077	0.224922	9.08E-07	0.215735	2.54E-06	0.429032	2.46E-22	0.107749	0.01986
1.43E-08	0.080092	0.08382	0.083059	0.07294	0.178609	0.0001	0.010649	0.81847
0.01731	0.096946	0.03623	0.182146	7.53E-05	0.28715	2.58E-10	0.01051	0.8208
0.00667	0.154582	0.0008	0.162994	0.00041	0.255335	2.19E-08	-0.03066	0.50862
0.89102	0.336846	7.46E-14	0.358039	1.43E-15	0.431142	1.46E-22	0.197706	1.68E-05
0.17169	0.064408	0.16465	0.09554	0.03903	0.112404	0.01509	-0.08956	0.05309
0.9896	0.234773	2.87E-07	0.193139	2.64E-05	0.300045	3.60E-11	0.081742	0.07762
5.44E-09	0.266777	4.74E-09	0.193993	2.43E-05	0.223038	1.12E-06	0.133185	0.00394
0.00101	0.24477	8.46E-08	0.221937	1.27E-06	0.396476	4.97E-19	0.069491	0.13375
0.20355	0.057892	0.21176	0.083298	0.07211	0.144902	0.00169	-0.0279	0.54753
5.73E-10	0.015751	0.73424	0.090031	0.05186	0.264626	6.36E-09	-0.11515	0.01278
0.86025	0.30664	1.26E-11	0.299827	3.72E-11	0.387485	3.53E-18	0.053298	0.25035
4.55E-05	0.144941	0.00169	0.224897	9.10E-07	0.279828	7.54E-10	0.215871	2.50E-06
0.64037	0.163771	0.00038	0.194297	2.36E-05	0.319906	1.42E-12	0.077836	0.09294
0.90856	0.107777	0.01983	0.122287	0.00816	0.276781	1.17E-09	0.058074	0.21032
0.45939	0.110548	0.01685	0.213758	3.15E-06	0.241975	1.20E-07	-0.06459	0.16346
3.11E-07	0.136613	0.00309	0.218777	1.81E-06	0.198488	1.55E-05	0.080654	0.08166
6.94E-17	-0.15245	0.00095	-0.1929	2.71E-05	-0.11887	0.01014	-0.19371	2.50E-05
0.0968	0.25524	2.22E-08	0.287659	2.39E-10	0.426246	4.88E-22	0.120911	0.00891
2.16E-10	0.253544	2.77E-08	0.327722	3.74E-13	0.389998	2.05E-18	0.317166	2.26E-12
1.52E-05	0.074239	0.1091	0.054684	0.23822	0.080568	0.08199	0.17653	0.00013

1.61E-20	0.189992	3.59E-05	0.181347	8.11E-05	0.136942	0.00302	0.293293	1.02E-10
0.00035	0.133379	0.00388	0.088114	0.05707	0.196468	1.90E-05	0.204053	8.80E-06
0.19892	0.18389	6.40E-05	0.206257	7.00E-06	0.207247	6.31E-06	0.031937	0.49114
0.00527	0.042052	0.36456	0.155058	0.00077	0.098853	0.0327	0.17127	0.0002
4.43E-05	-0.0151	0.74489	0.102749	0.02639	0.179141	9.93E-05	-0.13873	0.00266
2.91E-05	0.17806	0.00011	0.127714	0.00571	0.194719	2.26E-05	0.298795	4.37E-11
2.04E-26	0.103866	0.02479	0.199239	1.44E-05	0.034297	0.45967	0.253363	2.83E-08
0.02108	0.010561	0.81994	0.19277	2.74E-05	0.129337	0.00512	0.115793	0.01228
0.32258	0.138578	0.00269	0.178933	0.0001	0.27378	1.79E-09	0.054375	0.24089
0.33363	0.077931	0.09254	0.210433	4.50E-06	0.250959	3.86E-08	0.168756	0.00025
0.22483	0.030023	0.5175	-0.02454	0.59689	0.073167	0.11433	0.180467	8.79E-05
0.51016	0.230244	4.90E-07	0.239484	1.62E-07	0.389207	2.43E-18	0.000545	0.99062
0.03423	0.251663	3.53E-08	0.28145	5.96E-10	0.462021	4.51E-26	0.081412	0.07883
1.19E-15	0.203887	8.96E-06	0.214659	2.85E-06	0.140611	0.00232	0.146396	0.00151
1.47E-07	0.105733	0.0223	0.196208	1.95E-05	0.256294	1.93E-08	0.000797	0.9863
0.35828	0.235577	2.61E-07	0.329176	2.90E-13	0.440549	1.36E-23	0.172184	0.00018
0.51914	-0.04429	0.33957	0.113346	0.01426	0.117476	0.01106	-0.05101	0.27132
1.90E-06	0.192896	2.71E-05	0.236405	2.36E-07	0.355506	2.33E-15	0.045583	0.32565
0.00041	-0.01698	0.71431	-0.03256	0.48274	0.04072	0.37996	-0.16529	0.00033
1.15E-05	-0.04746	0.30609	-0.10238	0.02694	-0.26194	9.14E-09	-0.06104	0.18791
0.00461	0.180658	8.64E-05	0.232151	3.92E-07	0.263741	7.17E-09	0.025059	0.58908
0.17916	-0.03066	0.50863	0.074411	0.10829	0.110778	0.01662	-0.09101	0.04934
0.40923	0.139568	0.0025	0.196211	1.95E-05	0.286445	2.86E-10	-7.35E-05	0.99874
0.47311	-0.00825	0.85895	0.146581	0.00149	0.167541	0.00028	0.023565	0.61149
0.17641	-0.07605	0.10073	0.040792	0.37912	0.01204	0.79526	-0.07715	0.09584
0.00048	0.228312	6.14E-07	0.262055	9.00E-09	0.301175	3.01E-11	0.101696	0.02799
0.1454	0.090111	0.05165	0.124351	0.00713	0.134779	0.00352	0.060515	0.19174
0.00017	0.246463	6.84E-08	0.168528	0.00025	0.241787	1.22E-07	0.229422	5.40E-07
0.00192	0.259655	1.24E-08	0.20307	9.74E-06	0.265273	5.82E-09	0.141569	0.00217
0.00037	-0.36588	3.07E-16	-0.36913	1.60E-16	-0.38022	1.64E-17	-0.28128	6.11E-10
2.46E-10	0.358936	1.20E-15	0.47053	4.20E-27	0.475811	9.29E-28	0.348773	8.37E-15
0.60767	-0.05853	0.20673	0.053871	0.24529	-0.00591	0.89862	-0.03397	0.46399
0.86424	0.016749	0.71809	0.142423	0.00203	0.156016	0.00072	0.017882	0.69992
0.23645	0.096452	0.03719	0.192465	2.82E-05	0.250425	4.14E-08	-0.13436	0.00363
0.11583	0.030105	0.51635	0.086331	0.06231	0.164391	0.00036	-0.03539	0.44542
0.06574	-0.02803	0.54566	0.035558	0.44332	0.088613	0.05567	-0.04895	0.29113
0.00947	0.130665	0.00468	0.270968	2.65E-09	0.331372	1.97E-13	0.066333	0.15237
0.28714	-0.04701	0.31071	-0.04276	0.35656	-0.04628	0.31827	0.143066	0.00194
6.61E-08	0.108707	0.01878	0.056132	0.226	0.220398	1.51E-06	-0.17993	9.23E-05
2.16E-11	0.28578	3.16E-10	0.106069	0.02188	-0.00452	0.92235	0.173638	0.00016
1.01E-12	0.313062	4.46E-12	0.352267	4.33E-15	0.301366	2.92E-11	0.239996	1.53E-07
1.69E-07	0.219401	1.69E-06	0.158281	0.0006	0.148571	0.00128	0.081825	0.07732
0.22519	0.116526	0.01174	0.096096	0.0379	0.258888	1.37E-08	0.083492	0.07145
3.76E-12	-0.0899	0.05219	-0.01106	0.81156	0.059448	0.19971	-0.16133	0.00047
0.01559	0.237176	2.15E-07	0.282074	5.44E-10	0.337631	6.48E-14	0.100277	0.03026

0.00411	0.037608	0.41746	0.005993	0.89722	-0.07334	0.1135	0.293414	1.00E-10
0.07543	0.1084	0.01912	0.107673	0.01995	0.182622	7.21E-05	-0.07792	0.09259
0.98904	0.209131	5.17E-06	0.285026	3.53E-10	0.356529	1.92E-15	0.110312	0.01709
7.76E-23	0.148005	0.00134	0.260291	1.14E-08	0.116421	0.01181	0.282261	5.30E-10
1.35E-11	0.013148	0.77689	0.066713	0.15003	0.220629	1.48E-06	-0.15794	0.00061
0.00442	0.12617	0.00633	0.234977	2.80E-07	0.246047	7.21E-08	0.215795	2.52E-06
5.07E-05	0.139086	0.00259	0.067616	0.14458	0.271931	2.32E-09	-0.07747	0.09451
0.05796	0.170696	0.00021	0.162755	0.00041	0.299606	3.85E-11	0.127389	0.00584
4.91E-06	-0.14224	0.00206	-0.0952	0.03974	-0.25456	2.42E-08	0.060294	0.19337
3.71E-05	0.167371	0.00028	0.216053	2.45E-06	0.197412	1.73E-05	0.205059	7.93E-06
1.38E-06	0.065311	0.1588	0.107798	0.0198	0.108885	0.01859	0.187607	4.51E-05
1.21E-12	0.101478	0.02833	0.208958	5.27E-06	0.172925	0.00017	0.136027	0.00323
0.30568	0.104765	0.02357	-0.0563	0.22462	-0.02689	0.56216	0.008074	0.86186
0.41482	0.154728	0.00079	0.192272	2.88E-05	0.268403	3.79E-09	0.08176	0.07755
0.01619	-0.09491	0.04035	-0.18925	3.86E-05	-0.22242	1.21E-06	-0.15975	0.00053
4.85E-06	0.001973	0.96608	0.026797	0.56351	0.149118	0.00123	-0.14335	0.0019
1.11E-06	0.192627	2.78E-05	0.292836	1.09E-10	0.244632	8.61E-08	0.154713	0.00079
0.0414	0.102598	0.02662	0.087808	0.05794	0.145765	0.00159	0.094488	0.04125
0.00718	0.225091	8.90E-07	0.302808	2.33E-11	0.350535	6.01E-15	0.153554	0.00087
0.02647	0.089907	0.05218	0.167363	0.00028	0.104018	0.02458	0.206322	6.95E-06
0.00649	0.292172	1.21E-10	0.396013	5.51E-19	0.3716	9.72E-17	0.21671	2.28E-06
3.05E-06	0.26704	4.57E-09	0.359982	9.81E-16	0.314697	3.40E-12	0.24436	8.90E-08
0.71702	0.205254	7.77E-06	0.228748	5.84E-07	0.331137	2.06E-13	0.011988	0.79611
0.01029	0.291705	1.30E-10	0.317426	2.16E-12	0.385825	5.03E-18	0.167789	0.00027
0.84448	0.124226	0.00719	0.174823	0.00015	0.189004	3.95E-05	0.064872	0.16163
0.0611	0.035934	0.43852	0.228326	6.13E-07	0.22197	1.27E-06	-0.02144	0.64395
0.35354	0.100568	0.02978	0.230598	4.71E-07	0.271743	2.38E-09	0.025489	0.58271
0.11985	0.063479	0.17085	0.222148	1.24E-06	0.233899	3.19E-07	0.101234	0.02871
0.40335	0.157111	0.00066	0.306973	1.20E-11	0.361114	7.87E-16	0.096023	0.03805
0.75756	0.150132	0.00114	0.310313	6.98E-12	0.340235	4.05E-14	0.109679	0.01774
0.03847	0.204468	8.43E-06	0.333369	1.39E-13	0.360468	8.92E-16	0.104644	0.02373
0.0181	0.260783	1.07E-08	0.331076	2.08E-13	0.370891	1.12E-16	0.147595	0.00138
0.17782	0.173566	0.00016	0.212663	3.54E-06	0.288705	2.04E-10	0.111369	0.01605
0.00761	0.088477	0.05605	0.183885	6.41E-05	0.192455	2.83E-05	0.181719	7.84E-05
0.01645	0.138439	0.00272	0.228931	5.72E-07	0.224135	9.93E-07	0.119383	0.00982
0.19949	0.005842	0.8998	0.199542	1.40E-05	0.153586	0.00087	0.09378	0.0428
0.51421	-0.02891	0.53311	-0.04026	0.3854	-0.00408	0.92995	0.003304	0.94323
9.16E-05	0.216512	2.33E-06	0.207399	6.21E-06	0.331105	2.07E-13	0.220875	1.44E-06
0.00034	0.25575	2.08E-08	0.255296	2.20E-08	0.282596	5.04E-10	0.087868	0.05777
0.01273	0.031118	0.50234	0.079989	0.08422	0.174265	0.00015	-0.03013	0.51607
0.90623	0.039344	0.39628	0.132603	0.0041	0.162474	0.00042	0.045842	0.3229
0.6274	0.006889	0.88196	0.119654	0.00965	0.155756	0.00073	-0.03982	0.39058
7.25E-12	0.368337	1.88E-16	0.364494	4.04E-16	0.376199	3.79E-17	0.263866	7.05E-09
0.02524	0.215318	2.66E-06	0.230696	4.65E-07	0.30537	1.55E-11	0.13793	0.00282
8.89E-07	0.238386	1.86E-07	0.319559	1.51E-12	0.323275	8.04E-13	0.187305	4.64E-05



1.02E-17	0.343867	2.08E-14	0.370641	1.18E-16	0.370127	1.31E-16	0.294916	7.97E-11
5.60E-05	0.178705	0.0001	0.260601	1.09E-08	0.251687	3.52E-08	0.105552	0.02253
0.10036	0.10035	0.03014	0.222628	1.18E-06	0.203959	8.89E-06	0.1947	2.27E-05
1.14E-07	-0.09313	0.04427	-0.08618	0.06276	-0.2176	2.07E-06	0.165092	0.00034
1.04E-19	0.226176	7.86E-07	0.267677	4.19E-09	0.3203	1.33E-12	0.358086	1.42E-15
5.98E-08	-0.21218	3.73E-06	-0.08832	0.05648	-0.10288	0.02621	-0.17928	9.80E-05
0.79052	0.00793	0.86429	0.104897	0.02339	0.138495	0.00271	-0.00309	0.94691
1.55E-33	-0.19812	1.61E-05	-0.11607	0.01207	-0.0335	0.4702	-0.40055	2.01E-19
0.00148	0.0913	0.04863	0.151428	0.00103	0.273052	1.98E-09	-0.05378	0.24606
2.85E-05	-0.01611	0.7285	0.100745	0.02949	0.210308	4.56E-06	-0.13575	0.00329
0.00024	0.140315	0.00237	0.218464	1.88E-06	0.136277	0.00317	0.143662	0.00186
0.57927	0.046117	0.32	0.1559	0.00072	0.209942	4.74E-06	0.001683	0.97107
0.14948	0.062923	0.17463	0.14137	0.0022	0.153409	0.00088	0.06211	0.18027
0.80299	0.089655	0.05285	0.165317	0.00033	0.241698	1.24E-07	0.150223	0.00113
0.37703	0.144282	0.00177	0.246554	6.76E-08	0.297106	5.68E-11	0.036462	0.4318
2.36E-14	-0.26337	7.53E-09	-0.04779	0.30278	-0.05278	0.25494	-0.16774	0.00027
0.5213	0.113108	0.01446	0.12936	0.00511	0.158959	0.00057	0.026712	0.56474
0.71797	-0.00133	0.97707	0.094783	0.04062	0.132822	0.00404	0.009748	0.8336
0.0297	0.274832	1.54E-09	0.349333	7.53E-15	0.356918	1.78E-15	0.162819	0.00041
0.98971	-0.03147	0.49746	-0.00514	0.91182	-0.06478	0.16222	0.081024	0.08027
0.14143	-0.08124	0.07946	-0.02322	0.61669	-0.1895	3.76E-05	-0.01541	0.73974
0.43445	-0.26257	8.39E-09	-0.18368	6.53E-05	-0.31157	5.69E-12	-0.05986	0.19659
0.56647	0.046846	0.3124	0.221834	1.29E-06	0.232997	3.55E-07	0.035669	0.4419
0.01008	0.125335	0.00669	0.100621	0.0297	0.132083	0.00425	-0.0097	0.83441
0.05601	0.199264	1.44E-05	0.157143	0.00065	0.203255	9.56E-06	-0.05588	0.22807
0.85788	-0.35641	1.96E-15	-0.36023	9.35E-16	-0.40501	7.33E-20	-0.13065	0.00469
0.00025	0.149242	0.00122	0.145823	0.00158	0.241617	1.25E-07	0.281898	5.58E-10
0.01844	-0.00964	0.83541	0.068076	0.14186	0.12589	0.00645	-0.14915	0.00123
0.0114	0.219335	1.71E-06	0.250507	4.09E-08	0.325787	5.22E-13	0.145846	0.00158
0.23031	-0.03026	0.51419	0.082323	0.07553	0.13466	0.00355	-0.04008	0.38754
0.00037	0.027859	0.54814	0.123249	0.00767	0.186307	5.10E-05	-0.05911	0.20229
0.83304	0.065412	0.15816	0.182467	7.31E-05	0.233386	3.39E-07	0.045861	0.3227
0.02442	0.16002	0.00052	0.179439	9.66E-05	0.264599	6.38E-09	0.193868	2.46E-05
0.00114	-0.00433	0.92562	0.083745	0.07059	0.020427	0.65973	0.079461	0.08629
0.00694	0.091561	0.04799	0.108772	0.01871	0.199072	1.46E-05	-0.16405	0.00037
0.04014	-0.22654	7.54E-07	-0.16496	0.00034	-0.21119	4.15E-06	-0.21925	1.72E-06
0.0807	0.20238	1.05E-05	0.15034	0.00112	0.19279	2.73E-05	0.090215	0.05138
4.76E-18	0.323572	7.64E-13	0.398336	3.29E-19	0.344514	1.85E-14	0.389652	2.21E-18
3.59E-09	0.031699	0.49438	0.070311	0.1292	0.086332	0.0623	-0.159	0.00056
5.50E-20	0.465774	1.60E-26	0.431515	1.33E-22	0.422413	1.24E-21	0.400029	2.26E-19
0.07048	0.063537	0.17045	0.051402	0.26762	0.069386	0.13433	-0.04819	0.29867
0.15536	-0.39146	1.49E-18	-0.24492	8.31E-08	-0.32945	2.76E-13	-0.17681	0.00012
0.11948	0.113581	0.01405	0.201059	1.20E-05	0.294234	8.84E-11	0.059121	0.2022
1.78E-17	0.324257	6.80E-13	0.341241	3.37E-14	0.317239	2.23E-12	0.287004	2.63E-10
0.00603	0.079182	0.08741	0.075872	0.10151	0.188907	3.98E-05	-0.08299	0.07319

0.80173	0.007416	0.87301	0.014634	0.75245	0.072105	0.1197	-0.04822	0.2984
0.14373	0.167743	0.00027	0.218966	1.78E-06	0.309327	8.20E-12	0.093175	0.04416
0.00247	-0.09711	0.0359	-0.09808	0.0341	-0.05118	0.26969	0.018845	0.68461
0.00013	0.358232	1.38E-15	0.276447	1.23E-09	0.376404	3.63E-17	0.213539	3.22E-06
0.22913	0.070133	0.13018	0.113537	0.01409	0.12366	0.00746	0.044928	0.33265
0.05962	0.069049	0.13624	0.062777	0.17563	0.125178	0.00676	-0.13754	0.0029
0.01377	0.118365	0.01047	0.179244	9.83E-05	0.194243	2.37E-05	0.06583	0.15552
0.00068	-0.28443	3.85E-10	-0.21564	2.56E-06	-0.34234	2.75E-14	-0.18138	8.09E-05
0.61598	0.040945	0.37733	0.150538	0.0011	0.205704	7.42E-06	0.033243	0.47359
2.76E-06	0.275708	1.36E-09	0.321836	1.03E-12	0.412049	1.45E-20	0.218488	1.87E-06
0.96176	0.119052	0.01002	0.157077	0.00066	0.169288	0.00024	0.050709	0.27413
3.52E-08	0.203606	9.22E-06	0.245154	8.06E-08	0.284059	4.07E-10	0.142738	0.00199
0.27912	-0.00542	0.90695	0.133206	0.00393	0.129303	0.00513	0.038258	0.40946
6.01E-06	-0.24404	9.26E-08	-0.32014	1.37E-12	-0.25237	3.22E-08	-0.24563	7.60E-08
7.51E-13	0.014178	0.75991	0.135677	0.00331	0.235177	2.73E-07	-0.12776	0.00569
0.00115	-0.03211	0.48885	0.066007	0.1544	0.139244	0.00256	-0.06984	0.13181
0.01248	-0.02406	0.60406	0.016259	0.72601	-0.07008	0.1305	0.131687	0.00436
0.01047	-0.27218	2.24E-09	-0.20798	5.84E-06	-0.19326	2.61E-05	-0.14691	0.00145
1.00E-04	-0.17038	0.00022	0.094722	0.04075	0.088464	0.05609	-0.11366	0.01399
0.20048	0.128762	0.00532	0.121412	0.00863	0.151866	0.00099	-0.07458	0.10746
3.89E-05	-0.46094	6.08E-26	-0.34903	7.97E-15	-0.39609	5.42E-19	-0.20147	1.15E-05
0.00095	0.114581	0.01323	0.192119	2.92E-05	0.196212	1.95E-05	0.214817	2.81E-06
0.0195	0.161858	0.00045	0.186325	5.09E-05	0.218934	1.78E-06	-0.0591	0.20233
0.00017	-0.00735	0.87419	0.047426	0.30644	0.155825	0.00073	-0.11629	0.01191
0.20343	0.283333	4.53E-10	0.14294	0.00196	0.099848	0.03098	0.307848	1.04E-11
8.60E-05	0.019676	0.67149	0.09835	0.0336	0.124105	0.00725	-0.0495	0.28579
0.00049	0.163247	0.0004	0.272275	2.21E-09	0.272011	2.29E-09	0.104809	0.02351
0.00011	0.178347	0.00011	0.264818	6.19E-09	0.27141	2.50E-09	0.17704	0.00012
1.65E-07	0.103347	0.02553	0.178324	0.00011	0.161925	0.00044	-0.14639	0.00151
2.10E-10	-0.11571	0.01234	-0.12482	0.00692	0.015454	0.73907	-0.26657	4.87E-09
0.03123	-0.06624	0.15294	0.011081	0.81124	0.020946	0.65164	-0.0429	0.35498
0.02144	0.146474	0.0015	0.250616	4.04E-08	0.337221	6.97E-14	0.130217	0.00483
0.35844	0.087888	0.05772	-0.0035	0.93985	-0.06178	0.18257	0.143797	0.00184
0.01169	0.234189	3.08E-07	0.324537	6.48E-13	0.461293	5.51E-26	0.070834	0.12638
0.00086	0.400978	1.82E-19	0.416961	4.56E-21	0.510265	2.53E-32	0.249475	4.67E-08
0.81474	0.058705	0.2054	0.151789	0.001	0.177909	0.00011	-0.01469	0.75153
0.19099	-0.03273	0.48047	0.079561	0.0859	0.126284	0.00628	-0.03426	0.46021
0.29418	0.219064	1.76E-06	0.286651	2.77E-10	0.319776	1.46E-12	0.148762	0.00126
0.00452	0.288959	1.97E-10	0.238952	1.73E-07	0.285009	3.54E-10	0.167198	0.00028
4.35E-05	0.01874	0.68627	0.113895	0.01379	0.22024	1.54E-06	0.027074	0.55948
0.09241	0.217638	2.06E-06	0.318752	1.73E-12	0.369006	1.64E-16	0.232473	3.77E-07
1.96E-05	0.129008	0.00524	0.1574	0.00064	0.210373	4.53E-06	0.16269	0.00042
0.04375	-0.0584	0.20781	-0.02234	0.63013	-0.11792	0.01076	-0.00644	0.88969
2.40E-14	-0.13881	0.00264	-0.1685	0.00025	-0.04911	0.28959	-0.28184	5.63E-10
0.0097	-0.11221	0.01526	0.004771	0.9181	-0.15985	0.00053	0.021727	0.63956

0.10786	0.290788	1.49E-10	0.348446	8.90E-15	0.363154	5.27E-16	0.254825	2.34E-08
0.00621	0.150136	0.00114	0.199179	1.45E-05	0.249195	4.84E-08	0.147066	0.00144
0.75837	-0.03088	0.50561	0.069432	0.13408	0.081895	0.07706	-0.05897	0.20334
4.94E-15	0.272123	2.26E-09	0.270746	2.74E-09	0.226322	7.73E-07	0.266796	4.73E-09
0.43848	0.030779	0.507	0.174709	0.00015	0.187078	4.74E-05	0.01247	0.7881
0.45098	0.162312	0.00043	0.220218	1.55E-06	0.336123	8.49E-14	0.054061	0.24362
0.73613	0.14172	0.00214	0.164029	0.00037	0.213009	3.41E-06	0.065946	0.15478
0.27383	-0.00589	0.89901	-0.04786	0.30203	0.045013	0.33174	-0.11986	0.00953
0.00013	0.237681	2.02E-07	0.257058	1.75E-08	0.364264	4.23E-16	0.158142	0.0006
0.00114	0.003021	0.94808	-0.05637	0.22407	-0.13091	0.0046	0.073611	0.11214
0.30575	0.105107	0.02311	0.184833	5.86E-05	0.268268	3.86E-09	0.036744	0.42826
0.00013	0.05691	0.21962	0.08151	0.07847	0.042422	0.36035	0.08026	0.08317
0.11391	-0.0787	0.08934	-0.05386	0.24534	-0.20189	1.10E-05	0.002478	0.95742
4.17E-09	-0.18207	7.59E-05	-0.21115	4.17E-06	-0.22214	1.24E-06	-0.17025	0.00022
0.09506	0.215817	2.51E-06	0.298182	4.81E-11	0.453699	4.32E-25	0.086703	0.06118
0.07809	0.20019	1.31E-05	0.171123	0.0002	0.159715	0.00053	-0.10568	0.02236
0.21688	0.225919	8.10E-07	0.16641	0.0003	0.238811	1.76E-07	0.013221	0.77568
1.00E-10	0.186373	5.07E-05	0.232415	3.80E-07	0.160433	0.0005	0.352726	3.97E-15
0.00089	0.048248	0.29813	0.115032	0.01287	0.147492	0.00139	0.181928	7.69E-05
0.29291	0.126017	0.00639	0.103814	0.02487	0.246155	7.11E-08	0.091424	0.04832
1.85E-05	0.189343	3.82E-05	0.252461	3.18E-08	0.321396	1.11E-12	0.138391	0.00273
6.89E-06	-0.0317	0.49431	0.1855	5.51E-05	0.308591	9.24E-12	-0.09786	0.0345
2.61E-05	0.044304	0.33942	0.080529	0.08214	0.169196	0.00024	-0.15703	0.00066
5.27E-07	0.154394	0.00082	0.274148	1.70E-09	0.181536	7.97E-05	0.171643	0.00019
0.84674	0.137825	0.00284	0.127175	0.00592	0.108255	0.01928	-0.00515	0.91162
0.25987	0.082203	0.07595	0.156639	0.00068	0.169732	0.00023	0.130722	0.00466
0.02285	0.239014	1.72E-07	0.169158	0.00024	0.20713	6.39E-06	0.038677	0.40435
0.0103	0.00714	0.87771	0.030091	0.51654	0.098654	0.03305	-0.07183	0.12111
0.00423	-0.08082	0.08102	-0.07246	0.11788	0.012037	0.7953	-0.27325	1.93E-09
6.57E-08	0.018409	0.69152	0.088462	0.0561	0.105542	0.02255	0.098108	0.03404
0.45115	0.064007	0.16731	0.138649	0.00268	0.168975	0.00024	0.051635	0.26545
0.21485	0.204872	8.09E-06	0.164573	0.00036	0.213612	3.20E-06	-0.0106	0.81924
0.059	0.080095	0.08381	0.179531	9.58E-05	0.217341	2.13E-06	0.047171	0.30905
0.0782	0.0084	0.85633	0.150058	0.00114	0.208675	5.43E-06	-0.03868	0.40429
2.35E-07	0.00359	0.93833	-0.12078	0.00899	0.045276	0.32892	-0.24009	1.51E-07
0.03033	0.151793	0.001	0.170466	0.00021	0.146344	0.00152	0.171272	0.0002
1.71E-05	0.329611	2.69E-13	0.440114	1.52E-23	0.410472	2.09E-20	0.284145	4.02E-10
0.001	-0.22059	1.48E-06	-0.31198	5.32E-12	-0.37139	1.01E-16	-0.22671	7.39E-07
0.01755	0.218077	1.96E-06	0.280175	7.17E-10	0.33233	1.67E-13	0.232596	3.72E-07
0.03795	0.056852	0.22009	0.166249	0.00031	0.162497	0.00042	0.006498	0.88863
0.30333	0.115426	0.01256	0.151673	0.00101	0.199125	1.46E-05	0.11335	0.01425
5.21E-08	0.090683	0.05018	0.128604	0.00538	0.131464	0.00443	0.124717	0.00697
0.00138	-0.09546	0.0392	0.053926	0.2448	0.099056	0.03234	-0.16589	0.00032
0.1876	0.23322	3.45E-07	0.279752	7.62E-10	0.398092	3.48E-19	0.056265	0.2249
0.59119	-0.2364	2.36E-07	-0.119	0.01006	-0.26389	7.02E-09	0.005956	0.89786

0.00516	0.044548	0.33676	0.081761	0.07755	0.136941	0.00302	-0.04328	0.35071
0.40136	0.003246	0.94422	0.04738	0.30691	0.062327	0.17876	0.130926	0.0046
0.74701	0.014385	0.75653	0.078989	0.08819	0.171594	0.00019	0.150224	0.00113
0.82332	-0.08598	0.06338	-0.15378	0.00086	-0.23438	3.01E-07	-0.09203	0.04686
6.75E-05	-0.1941	2.40E-05	-0.1584	0.00059	-0.26727	4.43E-09	-0.08228	0.07568
2.47E-19	0.321698	1.05E-12	0.44859	1.68E-24	0.399142	2.75E-19	0.440212	1.48E-23
0.00037	0.098722	0.03293	0.102596	0.02662	0.178125	0.00011	0.094812	0.04056
0.49832	0.080839	0.08097	0.088977	0.05467	0.137903	0.00282	0.029369	0.52667
3.00E-09	-0.08153	0.0784	-0.04966	0.28422	0.025198	0.58702	-0.26422	6.71E-09
0.08125	0.387614	3.43E-18	0.296632	6.12E-11	0.375123	4.73E-17	0.160731	0.00049
0.01915	0.275291	1.44E-09	0.181801	7.78E-05	0.227735	6.57E-07	0.065987	0.15453
0.1111	0.294563	8.41E-11	0.368224	1.92E-16	0.427592	3.51E-22	0.273494	1.86E-09
8.94E-05	0.025819	0.57784	0.168037	0.00026	0.21089	4.29E-06	-0.02904	0.53137
0.00376	-0.15372	0.00086	-0.03085	0.50606	-0.02285	0.62233	-0.24653	6.79E-08
3.36E-09	0.340569	3.81E-14	0.354174	3.01E-15	0.376498	3.56E-17	0.273832	1.78E-09
2.85E-13	-0.19037	3.46E-05	-0.16531	0.00033	-0.07817	0.09154	-0.38212	1.10E-17
0.78561	0.069656	0.13282	0.110758	0.01664	0.179875	9.28E-05	0.010984	0.81286
0.89894	0.164619	0.00035	0.194179	2.39E-05	0.286991	2.64E-10	0.075099	0.10505
0.54969	0.096988	0.03615	0.095722	0.03866	0.107916	0.01967	0.031201	0.50119
0.38512	-0.11919	0.00994	0.03077	0.50713	0.046891	0.31194	-0.00585	0.89967
1.27E-05	0.198886	1.49E-05	0.199413	1.42E-05	0.242942	1.06E-07	0.212039	3.79E-06
0.40702	-0.04202	0.36496	0.004165	0.92847	0.062922	0.17463	0.029843	0.52001
0.1075	-0.02516	0.58754	0.020776	0.65429	0.119791	0.00957	-0.11813	0.01062
3.71E-05	0.164756	0.00035	0.211661	3.95E-06	0.197288	1.75E-05	0.107017	0.02072
7.25E-06	0.302049	2.63E-11	0.333071	1.46E-13	0.44571	3.57E-24	0.273503	1.86E-09
9.06E-09	0.255632	2.11E-08	0.413623	1.00E-20	0.388993	2.55E-18	0.325899	5.12E-13
0.04989	0.034423	0.45802	0.083489	0.07146	0.165246	0.00034	-0.02133	0.64575
2.96E-05	0.192239	2.89E-05	0.165384	0.00033	0.189361	3.81E-05	0.079304	0.08692
2.68E-13	0.232918	3.58E-07	0.281335	6.06E-10	0.233905	3.18E-07	0.17648	0.00013
8.34E-22	0.073097	0.11467	-0.00871	0.85111	-0.08153	0.07839	0.193069	2.66E-05
0.00052	0.308593	9.23E-12	0.357442	1.61E-15	0.401973	1.46E-19	0.199502	1.40E-05
0.00318	0.063389	0.17145	0.024938	0.59088	0.137322	0.00294	-0.08443	0.0683
0.44336	-0.05997	0.1958	0.02441	0.59877	0.045155	0.33021	-0.03949	0.39454
0.02933	0.130685	0.00467	0.210139	4.65E-06	0.273663	1.82E-09	0.161	0.00048
0.05789	0.359943	9.89E-16	0.372997	7.31E-17	0.421422	1.57E-21	0.219332	1.71E-06
0.9484	0.2241	9.97E-07	0.336538	7.89E-14	0.410143	2.25E-20	0.137251	0.00296
9.53E-05	0.154779	0.00079	0.230385	4.82E-07	0.251803	3.47E-08	0.16847	0.00026
0.0004	-0.01887	0.68416	0.031217	0.50097	0.12756	0.00577	-0.18629	5.11E-05
0.70396	-0.12166	0.00849	-0.13322	0.00393	-0.19919	1.45E-05	-0.13634	0.00315
0.17385	0.136703	0.00307	0.194795	2.25E-05	0.284831	3.63E-10	0.057752	0.21287
0.32036	0.143177	0.00192	0.214751	2.83E-06	0.222021	1.26E-06	0.017885	0.69987
0.00288	0.320408	1.31E-12	0.290426	1.58E-10	0.367797	2.09E-16	0.144478	0.00175
0.82583	0.173747	0.00016	0.292789	1.10E-10	0.350158	6.45E-15	0.154591	0.0008
3.99E-21	0.288629	2.07E-10	0.314934	3.27E-12	0.218934	1.78E-06	0.457848	1.41E-25
0.00031	-0.01468	0.75172	0.133129	0.00395	0.167791	0.00027	-0.03734	0.42083

0.57668	0.28152	5.90E-10	0.27406	1.72E-09	0.383906	7.56E-18	0.110708	0.01669
0.61015	0.058342	0.20822	0.0751	0.10505	0.157914	0.00061	0.047267	0.30807
0.01222	0.203067	9.75E-06	0.171763	0.00019	0.280322	7.02E-10	0.166741	0.0003
1.47E-08	0.024841	0.59234	0.010624	0.81889	0.198053	1.62E-05	-0.0661	0.15384
0.00026	-0.03181	0.49289	-0.02952	0.52451	0.02439	0.59906	0.105362	0.02278
0.03799	-0.10899	0.01847	0.040873	0.37817	-0.03691	0.4262	0.030157	0.51563
0.20405	-0.24469	8.54E-08	-0.27973	7.64E-10	-0.30843	9.47E-12	-0.09499	0.04017
1.35E-11	0.133824	0.00376	0.036896	0.42635	0.133088	0.00396	0.229327	5.46E-07
0.36076	0.235131	2.75E-07	0.229135	5.58E-07	0.37957	1.88E-17	0.06562	0.15684
8.39E-07	-0.00729	0.87513	0.082766	0.07396	0.084705	0.06742	-0.06602	0.15434
2.15E-05	0.051909	0.26292	0.160753	0.00049	0.273037	1.99E-09	0.040348	0.38433
0.25027	-0.2418	1.22E-07	-0.11749	0.01106	-0.19081	3.32E-05	-0.07873	0.08924
0.00754	0.04571	0.3243	0.048269	0.29791	0.028963	0.5324	-0.03135	0.49912
1.64E-07	0.149079	0.00123	0.112576	0.01493	0.245295	7.92E-08	-0.07643	0.09902
0.18991	0.223898	1.02E-06	0.324311	6.73E-13	0.343194	2.36E-14	0.295409	7.38E-11
0.00292	0.275992	1.31E-09	0.234965	2.80E-07	0.27061	2.79E-09	0.102009	0.0275
0.00944	0.322268	9.55E-13	0.241788	1.22E-07	0.310854	6.40E-12	0.200115	1.32E-05
0.46541	0.101329	0.02856	0.137485	0.00291	0.243972	9.34E-08	0.087944	0.05755
0.85788	0.00712	0.87803	0.100794	0.02941	0.083706	0.07073	0.01172	0.80058
0.00807	0.393507	9.56E-19	0.200543	1.26E-05	0.257873	1.57E-08	0.126827	0.00606
0.01039	0.07798	0.09233	0.131819	0.00432	0.093603	0.0432	0.046535	0.31563
0.40128	0.104402	0.02405	0.163281	0.0004	0.182614	7.21E-05	0.054159	0.24276
0.05622	-0.27058	2.80E-09	-0.20959	4.93E-06	-0.20821	5.70E-06	-0.1653	0.00033
0.17839	0.048683	0.29379	0.158417	0.00059	0.225701	8.30E-07	0.070248	0.12955
2.55E-07	-0.16849	0.00025	-0.20842	5.58E-06	-0.37826	2.47E-17	-0.02477	0.59339
2.79E-05	0.075537	0.10303	0.184155	6.25E-05	0.081999	0.07669	0.156191	0.00071
0.20821	0.263812	7.10E-09	0.227871	6.47E-07	0.407086	4.56E-20	0.136891	0.00303
0.18279	-0.00028	0.99519	0.10212	0.02734	0.137685	0.00287	-0.11711	0.01132
0.0264	0.114275	0.01347	0.170552	0.00021	0.234455	2.98E-07	0.020137	0.66426
5.15E-05	-0.12416	0.00722	-0.21317	3.36E-06	-0.17696	0.00012	-0.10867	0.01882
0.02352	-0.05808	0.21023	-0.18656	4.98E-05	-0.23089	4.54E-07	-0.02891	0.53317
3.19E-07	0.202373	1.05E-05	0.276799	1.17E-09	0.230146	4.96E-07	0.129129	0.00519
0.07667	0.223426	1.08E-06	0.241686	1.24E-07	0.285426	3.33E-10	0.041977	0.36542
0.31675	0.151073	0.00106	0.220916	1.43E-06	0.283013	4.74E-10	0.070447	0.12846
0.03254	0.207375	6.22E-06	0.212239	3.71E-06	0.282182	5.36E-10	0.219194	1.73E-06
0.01544	0.25408	2.58E-08	0.24921	4.83E-08	0.299621	3.84E-11	0.112552	0.01495
0.54743	-0.20774	5.99E-06	-0.32804	3.54E-13	-0.37718	3.10E-17	-0.04982	0.28266
0.02364	0.05844	0.20745	0.175576	0.00014	0.207843	5.92E-06	0.106884	0.02088
8.38E-09	-0.17061	0.00021	-0.24218	1.17E-07	-0.2527	3.09E-08	-0.15761	0.00063
0.8438	0.160516	0.0005	0.164394	0.00036	0.332376	1.65E-13	0.106406	0.02146
0.62239	0.207597	6.08E-06	0.198254	1.59E-05	0.37452	5.35E-17	0.159246	0.00055
4.12E-08	0.250764	3.96E-08	0.420252	2.08E-21	0.393447	9.69E-19	0.245137	8.08E-08
9.70E-10	0.281387	6.02E-10	0.275363	1.43E-09	0.28051	6.83E-10	0.192414	2.84E-05
0.37803	0.013166	0.77658	0.109602	0.01782	0.012285	0.79119	0.095947	0.0382
0.56512	-0.11699	0.01141	0.025917	0.57639	-0.00429	0.92625	0.053901	0.24502

0.73303	0.033895	0.46494	0.10338	0.02548	0.12139	0.00864	-0.00123	0.97886
3.14E-12	-0.06529	0.15897	0.095589	0.03893	0.123534	0.00752	-0.1478	0.00136
0.00048	-0.13497	0.00347	-0.065	0.16081	0.079838	0.08481	-0.08737	0.0592
0.00622	0.080174	0.0835	0.186038	5.23E-05	0.280926	6.43E-10	-0.01045	0.82189
0.05141	0.046709	0.31382	0.134309	0.00364	0.256392	1.91E-08	0.017807	0.70112
0.02074	0.074346	0.10859	0.155991	0.00072	0.179252	9.82E-05	0.099026	0.0324
0.109	0.076894	0.09698	0.138127	0.00278	0.168123	0.00026	0.04056	0.38184
0.03998	0.198996	1.48E-05	0.203561	9.26E-06	0.269195	3.40E-09	0.153827	0.00085
0.10348	-0.23942	1.64E-07	-0.2376	2.04E-07	-0.29225	1.20E-10	-0.05527	0.23322
0.14902	0.151288	0.00104	0.212743	3.51E-06	0.293192	1.04E-10	0.06347	0.17091
0.99291	-0.33322	1.42E-13	-0.15618	0.00071	-0.33809	5.96E-14	-0.05216	0.26061
0.73477	0.035959	0.43819	0.101069	0.02897	0.146646	0.00148	-0.0024	0.95872
0.00185	0.08885	0.05502	0.044691	0.3352	0.087485	0.05888	0.136271	0.00317
0.00357	-0.16676	0.0003	-0.11899	0.01006	-0.07706	0.09623	-0.08247	0.07499
0.41325	0.006673	0.88564	-0.05061	0.27503	-0.08899	0.05463	0.139995	0.00243
0.00538	0.14191	0.00211	0.222935	1.14E-06	0.215623	2.57E-06	0.19365	2.51E-05
4.29E-05	-0.11665	0.01164	-0.11968	0.00963	-0.14975	0.00117	0.075241	0.10439
0.06676	-0.00097	0.98324	-0.02201	0.63515	-0.02035	0.66089	-0.01669	0.71912
0.0233	0.184981	5.78E-05	0.14009	0.00241	0.2856	3.24E-10	-0.07196	0.12046
0.88118	-0.00345	0.94072	0.049006	0.29059	0.075262	0.1043	-0.12153	0.00856
0.00891	-0.05447	0.24009	-0.06717	0.14725	0.023766	0.60845	-0.09691	0.03629
2.28E-12	0.216564	2.32E-06	0.24118	1.32E-07	0.178599	0.0001	0.396729	4.70E-19
1.70E-06	0.036468	0.43174	0.163814	0.00038	0.133601	0.00382	0.098136	0.03399
0.00021	0.30459	1.76E-11	0.380445	1.57E-17	0.502723	2.80E-31	0.28425	3.96E-10
5.33E-19	0.150448	0.00111	0.220135	1.56E-06	0.18153	7.97E-05	0.303312	2.15E-11
0.31821	-0.36948	1.49E-16	-0.42078	1.83E-21	-0.50961	3.13E-32	-0.17815	0.00011
0.20538	0.1612	0.00047	0.221102	1.40E-06	0.308581	9.25E-12	0.080325	0.08292
0.00798	0.056864	0.21999	0.102284	0.02709	0.077476	0.09447	-0.08752	0.05877
0.19484	-0.06221	0.17956	0.043901	0.34383	0.06587	0.15526	-0.08652	0.06174
0.1571	0.161881	0.00044	0.254379	2.48E-08	0.334701	1.09E-13	0.188018	4.34E-05
0.04497	0.338105	5.95E-14	0.16136	0.00046	0.266369	5.01E-09	0.155815	0.00073
4.49E-38	0.422113	1.33E-21	0.398844	2.94E-19	0.372049	8.87E-17	0.42998	1.95E-22
0.00726	0.015389	0.74012	0.255531	2.14E-08	0.192418	2.84E-05	0.168691	0.00025
0.06414	0.207325	6.26E-06	0.2547	2.38E-08	0.267037	4.57E-09	0.156563	0.00069
0.00117	-0.07962	0.08566	-0.02693	0.56152	0.017913	0.69943	-0.12779	0.00568
0.01525	0.127757	0.0057	0.146339	0.00152	0.161418	0.00046	-0.0564	0.22379
0.00096	0.050296	0.27806	0.013168	0.77656	-0.05763	0.2138	0.121634	0.00851
0.00154	-0.1181	0.01064	0.029423	0.5259	0.034322	0.45933	-0.09417	0.04194
0.88763	0.071502	0.12283	0.080906	0.08071	0.22408	9.99E-07	0.052315	0.25921
0.00064	0.112404	0.01509	0.139725	0.00248	0.17535	0.00014	0.176818	0.00012
0.13553	-0.14952	0.00119	0.058045	0.21055	0.028669	0.53657	-0.09204	0.04682
2.20E-07	0.095587	0.03894	-0.00698	0.88046	-0.01731	0.70904	0.260765	1.07E-08
0.64796	0.135259	0.0034	0.262603	8.36E-09	0.282374	5.21E-10	0.200303	1.29E-05
0.01278	-0.36626	2.84E-16	-0.35505	2.54E-15	-0.3348	1.08E-13	-0.25932	1.30E-08
0.00027	0.233521	3.33E-07	0.217401	2.11E-06	0.296784	5.97E-11	0.160083	0.00052

0.56003	0.097287	0.03558	0.154443	0.00081	0.231366	4.30E-07	0.025747	0.5789
1.98E-14	0.046136	0.3198	0.113016	0.01454	0.21034	4.55E-06	-0.02513	0.58802
0.81757	0.044887	0.33309	0.145018	0.00168	0.197359	1.74E-05	-0.04059	0.38144
0.80296	0.288968	1.96E-10	0.323631	7.57E-13	0.386462	4.39E-18	0.154494	0.00081
0.77035	0.032623	0.48188	0.184441	6.08E-05	0.210546	4.45E-06	0.052816	0.25466
0.05674	-0.25406	2.59E-08	-0.23001	5.04E-07	-0.32209	9.84E-13	-0.13414	0.00368
0.00022	0.044714	0.33496	0.118185	0.01058	0.164637	0.00035	-0.00415	0.92868
0.00821	0.2443	8.97E-08	0.231061	4.46E-07	0.256033	2.00E-08	0.049375	0.28696
9.88E-05	-0.04469	0.33524	-0.16539	0.00033	-0.20923	5.12E-06	-0.08294	0.07335
0.00515	0.075196	0.1046	0.192073	2.93E-05	0.286625	2.79E-10	-0.04097	0.37702
1.50E-07	-0.28948	1.82E-10	-0.36827	1.90E-16	-0.37295	7.39E-17	-0.13767	0.00287
0.67422	0.160091	0.00052	0.216328	2.38E-06	0.326609	4.53E-13	0.123199	0.00769
0.08711	0.205669	7.44E-06	0.173894	0.00016	0.307286	1.14E-11	0.174308	0.00015
0.28812	-0.11974	0.0096	-0.07521	0.10455	-0.21387	3.11E-06	-0.01331	0.77428
8.57E-17	0.002863	0.95079	-0.02635	0.57005	-0.07367	0.11185	0.244764	8.47E-08
7.84E-07	-0.04916	0.28912	0.073394	0.11321	0.134408	0.00361	-0.09341	0.04363
0.25839	-0.10189	0.02769	-0.26024	1.15E-08	-0.27227	2.21E-09	0.117583	0.01099
0.00693	0.051004	0.27134	-0.02982	0.52039	0.058185	0.20945	-0.05441	0.24061
0.02281	0.161652	0.00045	0.108507	0.019	0.185186	5.67E-05	0.219513	1.67E-06
0.28044	0.032205	0.48751	0.167981	0.00027	0.218993	1.77E-06	-0.00489	0.91613
0.04743	-0.25478	2.36E-08	-0.29427	8.80E-11	-0.39796	3.58E-19	-0.0427	0.35717
0.49986	0.225665	8.34E-07	0.193133	2.64E-05	0.373551	6.53E-17	0.111719	0.01572
0.05038	-0.05903	0.20293	0.050845	0.27284	0.109555	0.01787	-0.0521	0.26112
8.01E-09	0.27046	2.85E-09	0.290923	1.46E-10	0.294532	8.45E-11	0.252621	3.12E-08
0.7783	0.010188	0.82619	0.185967	5.27E-05	0.232456	3.78E-07	0.057187	0.21738
0.76149	0.015719	0.73476	0.126784	0.00608	0.154547	0.00081	-0.02623	0.57179
4.70E-27	0.285379	3.35E-10	0.330587	2.27E-13	0.225945	8.07E-07	0.299984	3.63E-11
0.0536	-0.10793	0.01965	-0.01993	0.66743	-0.08289	0.07353	-0.01096	0.81322
0.10827	0.189984	3.59E-05	0.233136	3.49E-07	0.339183	4.90E-14	0.003352	0.94241
0.06403	0.063343	0.17177	0.135677	0.00331	0.123	0.00779	0.046214	0.31899
2.25E-15	0.283469	4.44E-10	0.209291	5.08E-06	0.240235	1.48E-07	0.275405	1.42E-09
0.00012	-0.07526	0.1043	0.060606	0.19108	0.062649	0.17652	-0.10772	0.01989
7.28E-05	0.199189	1.45E-05	0.286114	3.00E-10	0.282953	4.79E-10	0.196393	1.92E-05
0.00212	0.154041	0.00084	0.201397	1.16E-05	0.351852	4.68E-15	0.022718	0.62435
0.78988	0.123363	0.00761	0.158128	0.0006	0.278471	9.17E-10	0.085135	0.06603
0.00029	0.15483	0.00079	0.190763	3.33E-05	0.235436	2.65E-07	0.097412	0.03534
0.48278	0.14822	0.00132	0.21404	3.05E-06	0.251612	3.55E-08	0.073689	0.11176
0.20713	0.041924	0.36602	0.029691	0.52214	0.132861	0.00402	0.088292	0.05657
0.08652	0.029177	0.52937	0.078953	0.08833	0.14835	0.0013	-0.02825	0.54249
0.00026	-0.0304	0.51225	0.010902	0.81424	0.049715	0.28366	-0.07249	0.11775
0.00423	-0.17917	9.90E-05	-0.00948	0.83808	-0.03586	0.43948	-0.00257	0.95578
0.002	0.059959	0.19587	0.137761	0.00285	0.180504	8.76E-05	0.035886	0.43912
0.00156	0.208699	5.41E-06	0.231709	4.13E-07	0.258226	1.50E-08	0.069498	0.13371
0.00155	0.115573	0.01245	0.190624	3.38E-05	0.21449	2.91E-06	0.145108	0.00167
0.00013	-0.05072	0.27405	0.016611	0.72032	-0.00153	0.9737	-0.25162	3.55E-08

0.08564	0.102011	0.0275	0.161263	0.00047	0.242554	1.11E-07	0.045219	0.32952
0.1419	0.075495	0.10323	0.112999	0.01456	0.146455	0.00151	-0.02645	0.56852
0.00014	0.157596	0.00063	0.200519	1.27E-05	0.196141	1.97E-05	0.161843	0.00045
0.30666	-0.10947	0.01796	-0.2839	4.17E-10	-0.29017	1.64E-10	-0.17456	0.00015
4.44E-06	0.150136	0.00114	0.239365	1.65E-07	0.238099	1.92E-07	0.126445	0.00622
5.41E-09	0.099167	0.03215	0.084072	0.0695	0.223896	1.02E-06	-0.03673	0.42841
0.00217	-0.06592	0.15496	-0.13273	0.00406	-0.12257	0.00801	0.137782	0.00285
0.60632	-0.07787	0.09281	-0.12045	0.00917	-0.07279	0.11622	-0.02835	0.54109
0.00539	-0.14654	0.0015	-0.0159	0.73181	-0.08196	0.07684	-0.01152	0.80398
1.55E-08	0.022128	0.63339	0.146269	0.00153	0.343491	2.23E-14	-0.0939	0.04255
0.00032	-0.22408	9.99E-07	-0.22055	1.49E-06	-0.39207	1.31E-18	-0.02945	0.52554
4.63E-10	-0.20496	8.01E-06	-0.00088	0.9849	0.014692	0.7515	-0.11814	0.01061
0.26447	0.043751	0.34548	0.143917	0.00182	0.190735	3.34E-05	0.025815	0.5779
5.94E-06	-0.08188	0.07712	-0.08195	0.07687	-0.21333	3.30E-06	0.026751	0.56417
0.00024	0.047357	0.30714	0.151142	0.00105	0.286622	2.79E-10	-0.04641	0.31689
1.86E-08	0.301222	2.99E-11	0.381484	1.26E-17	0.400349	2.10E-19	0.183257	6.79E-05
0.00441	-0.10236	0.02698	0.019352	0.67659	0.027307	0.5561	-0.05422	0.24222
0.0152	0.161446	0.00046	0.2566	1.86E-08	0.312202	5.13E-12	0.11694	0.01144
0.36592	0.090592	0.05041	0.114331	0.01343	0.174678	0.00015	0.107518	0.02013
0.00244	-0.00952	0.83743	0.120167	0.00934	0.178661	0.0001	-0.03845	0.40715
0.0002	0.053549	0.24812	0.147637	0.00138	0.192484	2.82E-05	0.069001	0.13651
1.30E-16	-0.04497	0.3322	0.00603	0.89659	0.067359	0.14612	-0.17742	0.00012
0.32665	0.160901	0.00048	0.230843	4.57E-07	0.232604	3.71E-07	0.13064	0.00469
4.17E-10	0.100574	0.02977	0.204569	8.35E-06	0.177839	0.00011	0.298602	4.51E-11
0.10655	0.207104	6.40E-06	0.261697	9.44E-09	0.272703	2.08E-09	0.187623	4.50E-05
0.86388	0.162031	0.00044	0.200863	1.22E-05	0.304397	1.81E-11	0.085889	0.06366
0.00121	-0.10638	0.02149	0.036923	0.426	0.032535	0.48306	-0.17738	0.00012
0.0714	0.264302	6.64E-09	0.227162	7.02E-07	0.308098	1.00E-11	0.132644	0.00409
0.74241	0.075001	0.10551	0.080807	0.08109	0.166279	0.00031	0.029132	0.53001
2.46E-15	0.26201	9.05E-09	0.267941	4.04E-09	0.230018	5.04E-07	0.25712	1.73E-08
4.47E-05	0.038385	0.4079	0.134042	0.00371	0.084971	0.06656	0.120825	0.00896
0.13203	0.313486	4.15E-12	0.340648	3.75E-14	0.388392	2.90E-18	0.134348	0.00363
4.26E-06	0.206426	6.88E-06	0.307958	1.02E-11	0.261364	9.87E-09	0.188862	4.00E-05
0.02423	-0.07934	0.08678	-0.06961	0.13307	-0.15882	0.00057	0.024254	0.60111
1.93E-05	0.097984	0.03427	0.11356	0.01407	0.154736	0.00079	0.206213	7.03E-06
6.51E-08	-0.03955	0.39383	-0.02451	0.5972	0.052978	0.25321	-0.17259	0.00018
0.19067	0.208823	5.34E-06	0.309647	7.78E-12	0.392495	1.19E-18	0.181431	8.05E-05
0.10077	0.058262	0.20884	0.120465	0.00917	0.16345	0.00039	-0.01454	0.75398
3.74E-09	-0.02064	0.65633	-0.04931	0.28761	0.126972	0.006	-0.13334	0.00389
3.91E-06	0.277845	1.00E-09	0.219657	1.64E-06	0.321645	1.06E-12	0.144216	0.00178
0.0791	0.074213	0.10923	0.155444	0.00075	0.209965	4.73E-06	0.136679	0.00308
0.78264	-0.03715	0.42317	-0.00155	0.97333	0.011849	0.79843	-0.03687	0.42661
0.66109	0.194343	2.35E-05	0.173565	0.00016	0.281153	6.22E-10	0.1762	0.00013
0.00039	0.085945	0.06349	0.155434	0.00075	0.132111	0.00424	0.057888	0.21179
2.68E-05	0.16362	0.00038	0.300786	3.20E-11	0.289994	1.68E-10	0.192066	2.94E-05



1.47E-07	0.026353	0.57	0.073145	0.11444	-0.07261	0.11712	0.15551	0.00075
0.33615	0.012444	0.78854	0.185089	5.72E-05	0.213336	3.29E-06	0.051637	0.26543
3.34E-05	0.287186	2.56E-10	0.276979	1.14E-09	0.407626	4.03E-20	0.189928	3.61E-05
0.42376	0.046755	0.31334	0.136926	0.00303	0.17381	0.00016	0.082037	0.07655
0.83586	-0.01634	0.72476	0.121912	0.00836	0.163642	0.00038	0.071189	0.12448
0.00023	-0.15582	0.00073	-0.00607	0.89588	0.073657	0.11191	-0.10791	0.01967
0.00095	0.111474	0.01595	0.188802	4.02E-05	0.195133	2.17E-05	0.067801	0.14348
0.99365	0.032023	0.48998	0.079957	0.08435	0.155436	0.00075	-0.00829	0.85818
0.8241	0.068118	0.14161	0.06729	0.14653	0.158933	0.00057	0.076737	0.09766
0.72054	0.075753	0.10205	0.138226	0.00276	0.201595	1.13E-05	-0.00098	0.98314
0.1328	0.139762	0.00247	0.195867	2.02E-05	0.32608	4.97E-13	0.032672	0.48122
1.55E-07	0.20043	1.28E-05	0.269851	3.10E-09	0.243384	1.01E-07	0.154446	0.00081
5.27E-05	0.171414	0.0002	0.138116	0.00278	0.155674	0.00074	0.151309	0.00104
3.87E-11	0.194556	2.30E-05	0.269933	3.07E-09	0.25816	1.51E-08	0.221211	1.38E-06
0.46489	-0.04084	0.37851	0.103797	0.02489	0.169245	0.00024	-0.00424	0.92718
0.07376	-0.07492	0.10589	0.005294	0.90916	0.009914	0.83081	-0.1237	0.00744
0.49214	0.107554	0.02008	0.167996	0.00027	0.213637	3.19E-06	0.028688	0.5363
0.91672	-0.38165	1.22E-17	-0.35118	5.32E-15	-0.48446	7.41E-29	-0.24424	9.04E-08
7.98E-28	-0.20635	6.93E-06	-0.23573	2.56E-07	-0.18563	5.44E-05	-0.37467	5.19E-17
4.06E-07	0.111656	0.01578	0.186728	4.90E-05	0.116915	0.01146	0.014877	0.74847
0.00012	0.109608	0.01781	0.274038	1.72E-09	0.269218	3.38E-09	0.197799	1.67E-05
0.01206	-0.1074	0.02026	-0.12931	0.00513	-0.17964	9.48E-05	-0.01495	0.74726
0.00646	0.142976	0.00195	0.264838	6.17E-09	0.275542	1.39E-09	0.117089	0.01133
0.00032	-0.0092	0.84277	0.091368	0.04846	0.193837	2.47E-05	-0.1311	0.00454
0.00418	0.18284	7.06E-05	0.247003	6.39E-08	0.263321	7.58E-09	0.103388	0.02547
4.83E-08	0.135954	0.00324	0.183896	6.40E-05	0.113741	0.01392	0.206695	6.68E-06
2.28E-20	0.367674	2.15E-16	0.395538	6.12E-19	0.366152	2.91E-16	0.360064	9.66E-16
0.07863	0.108474	0.01904	0.221895	1.28E-06	0.263963	6.95E-09	0.041503	0.37086
0.05924	0.116731	0.01159	0.210804	4.33E-06	0.169328	0.00024	0.063047	0.17378
0.01156	0.241845	1.22E-07	0.25183	3.46E-08	0.210078	4.68E-06	0.052198	0.26027
1.84E-06	0.184149	6.25E-05	0.208877	5.31E-06	0.390562	1.82E-18	-0.00947	0.83825
0.74245	0.059995	0.1956	0.18841	4.18E-05	0.200102	1.32E-05	0.006197	0.89374
0.00631	0.220167	1.55E-06	0.234977	2.80E-07	0.260939	1.04E-08	0.057797	0.21251
0.96951	0.020377	0.6605	0.105061	0.02317	0.109619	0.0178	-0.02582	0.57776
0.36546	0.014211	0.75938	0.143507	0.00188	0.174503	0.00015	-0.05863	0.20601
6.17E-07	0.301233	2.99E-11	0.363845	4.60E-16	0.35618	2.05E-15	0.160781	0.00049
0.02214	0.189364	3.81E-05	0.204098	8.76E-06	0.271729	2.39E-09	0.004701	0.91929
0.04204	0.145121	0.00166	0.12488	0.00689	0.231043	4.47E-07	0.074765	0.10661
0.19531	0.147481	0.00139	0.188383	4.19E-05	0.211292	4.11E-06	0.131778	0.00434
0.40297	0.030592	0.50959	0.226764	7.35E-07	0.177059	0.00012	0.019342	0.67674
0.55182	0.188652	4.08E-05	0.21661	2.31E-06	0.346477	1.28E-14	0.146886	0.00146
0.00771	-0.00421	0.92765	-0.04656	0.31541	-0.10125	0.02869	0.247858	5.74E-08
0.00247	0.081778	0.07749	-0.01233	0.79043	0.13728	0.00295	0.123532	0.00753
0.00303	-0.08645	0.06193	0.037988	0.41277	0.074754	0.10666	-0.15856	0.00058
0.25878	-0.02319	0.61717	0.177064	0.00012	0.121693	0.00847	-0.00299	0.94867

0.07221	0.19403	2.42E-05	0.248948	5.00E-08	0.317772	2.04E-12	0.108119	0.01944
0.7163	-0.12277	0.00791	-0.11511	0.0128	-0.06	0.19553	-0.13587	0.00326
0.06588	-0.03185	0.49233	0.126124	0.00635	0.099506	0.03156	0.056046	0.22671
6.06E-05	0.002649	0.95448	-0.07934	0.08679	0.048074	0.29987	-0.05367	0.24702
0.64355	0.010713	0.8174	0.17387	0.00016	0.16521	0.00034	-0.04268	0.35745
0.71225	0.221076	1.40E-06	0.211148	4.17E-06	0.334141	1.21E-13	0.081463	0.07864
0.14642	0.229804	5.16E-07	0.295974	6.77E-11	0.354928	2.61E-15	0.170196	0.00022
0.00636	-0.00588	0.8991	0.113735	0.01392	0.189834	3.64E-05	-0.02628	0.5711
0.11447	-0.05388	0.2452	0.153829	0.00085	0.18734	4.63E-05	0.032849	0.47885
3.74E-11	0.095088	0.03997	0.108817	0.01866	0.034294	0.45971	0.109134	0.01832
0.29014	-0.2951	7.74E-11	-0.30635	1.33E-11	-0.38156	1.24E-17	-0.26466	6.33E-09
0.00024	-0.19311	2.65E-05	-0.32036	1.32E-12	-0.2517	3.51E-08	-0.22094	1.43E-06
0.24637	0.195289	2.14E-05	0.27056	2.81E-09	0.350063	6.57E-15	0.124372	0.00712
0.16257	0.16057	0.0005	0.211344	4.08E-06	0.24679	6.57E-08	0.170988	0.00021
0.04744	-0.03773	0.41599	0.198511	1.55E-05	0.167654	0.00027	0.145642	0.0016
8.43E-13	-0.17441	0.00015	-0.16134	0.00046	-0.17462	0.00015	-0.21505	2.74E-06
5.91E-13	-0.26747	4.31E-09	-0.28698	2.64E-10	-0.23232	3.84E-07	-0.19233	2.86E-05
0.73624	0.028888	0.53345	0.090102	0.05167	0.143022	0.00195	-0.10647	0.02138
0.26262	-0.24227	1.15E-07	-0.22406	1.00E-06	-0.34888	8.20E-15	-0.10204	0.02746
0.94484	0.097388	0.03538	0.140738	0.0023	0.201578	1.14E-05	-0.06414	0.1664
0.05617	-0.09573	0.03865	-0.08013	0.08367	-0.07027	0.12946	-0.09131	0.04861
0.77175	-0.11191	0.01554	-0.05244	0.2581	-0.08425	0.0689	0.004629	0.92052
0.94952	0.213331	3.30E-06	0.151992	0.00098	0.21842	1.89E-06	0.02512	0.58817
2.71E-08	0.252591	3.13E-08	0.278067	9.72E-10	0.3092	8.37E-12	0.170907	0.00021
0.22305	0.057952	0.21129	0.132496	0.00413	0.163662	0.00038	-0.0143	0.75785
0.05294	0.17967	9.46E-05	0.165882	0.00032	0.178492	0.00011	0.123177	0.0077
3.32E-10	0.158357	0.00059	0.159848	0.00053	0.108519	0.01899	0.158367	0.00059
9.42E-05	-0.43036	1.77E-22	-0.23739	2.10E-07	-0.35248	4.16E-15	-0.20024	1.30E-05
3.65E-07	-0.00488	0.91632	0.043097	0.35274	0.082146	0.07616	-0.15286	0.00092
0.34486	0.150529	0.0011	0.270704	2.75E-09	0.330307	2.38E-13	0.01356	0.77008
0.18061	0.064964	0.16104	0.151529	0.00102	0.180741	8.57E-05	0.072951	0.1154
0.00078	0.181009	8.37E-05	0.297901	5.02E-11	0.232062	3.96E-07	0.203389	9.43E-06
4.57E-05	0.210919	4.27E-06	0.304454	1.79E-11	0.309621	7.82E-12	0.243736	9.62E-08
2.64E-16	0.316324	2.60E-12	0.347801	1.00E-14	0.359805	1.02E-15	0.273203	1.94E-09
0.00156	0.254219	2.54E-08	0.241043	1.34E-07	0.32565	5.35E-13	0.227237	6.96E-07
0.07215	-0.41214	1.42E-20	-0.21725	2.15E-06	-0.36152	7.26E-16	-0.0268	0.56343
0.00188	0.088559	0.05582	0.033656	0.4681	0.07982	0.08488	-0.16005	0.00052
0.02192	-0.43871	2.17E-23	-0.33625	8.30E-14	-0.45358	4.47E-25	-0.20996	4.73E-06
8.89E-05	-0.0715	0.12284	0.169951	0.00022	0.115647	0.01239	-0.0716	0.1223
0.00574	-0.01482	0.74945	0.05739	0.21575	0.051374	0.26788	0.077272	0.09534
0.00142	0.262943	7.98E-09	0.346409	1.30E-14	0.406922	4.73E-20	0.256538	1.87E-08
0.05558	-0.10965	0.01778	-0.18733	4.63E-05	-0.22224	1.23E-06	-0.0009	0.98447
0.00311	0.069869	0.13164	0.145472	0.00162	0.164697	0.00035	0.06491	0.16138
0.01044	0.184229	6.20E-05	0.320404	1.31E-12	0.346071	1.38E-14	0.087173	0.05979
0.33765	0.076749	0.09761	0.228711	5.87E-07	0.272499	2.14E-09	0.114015	0.01369

0.55445	0.040153	0.38664	0.115247	0.0127	0.109199	0.01825	-0.0135	0.77111
0.30337	0.026014	0.57497	0.157489	0.00064	0.184294	6.17E-05	-0.01536	0.74055
0.0008	-0.44672	2.74E-24	-0.28878	2.02E-10	-0.41645	5.15E-21	-0.24811	5.56E-08
0.01089	0.061781	0.1826	0.156457	0.00069	0.202672	1.02E-05	0.064248	0.16571
6.35E-11	-0.10306	0.02594	-0.09265	0.04539	-0.04885	0.29217	-0.31162	5.64E-12
0.38976	0.201093	1.19E-05	0.202808	1.00E-05	0.247242	6.20E-08	0.081177	0.0797
4.73E-08	-0.31575	2.86E-12	-0.27991	7.46E-10	-0.28351	4.41E-10	-0.18279	7.10E-05
0.0167	-0.19363	2.52E-05	-0.16603	0.00031	-0.11165	0.01579	-0.17006	0.00022
0.02234	-0.12111	0.0088	-0.11681	0.01153	-0.04147	0.37119	-0.1348	0.00352
0.26471	-0.1029	0.02618	-0.05821	0.20926	0.007137	0.87776	-0.04479	0.33412
0.81898	0.075526	0.10308	0.132366	0.00416	0.18733	4.63E-05	0.010885	0.81452
0.0163	-0.16686	0.00029	-0.24498	8.23E-08	-0.26742	4.34E-09	-0.07279	0.11619
4.66E-05	0.186116	5.20E-05	0.210793	4.33E-06	0.203706	9.13E-06	0.16461	0.00035
0.92032	0.056357	0.22414	0.096626	0.03685	0.130258	0.00481	0.003779	0.93509
0.23598	0.300385	3.41E-11	0.330262	2.40E-13	0.421218	1.65E-21	0.208153	5.73E-06
0.94528	0.120541	0.00912	0.128797	0.00531	0.13636	0.00315	-0.11711	0.01132
7.09E-09	0.229251	5.51E-07	0.280798	6.55E-10	0.317159	2.26E-12	0.195006	2.20E-05
1.62E-06	0.21031	4.56E-06	0.240728	1.40E-07	0.200903	1.22E-05	0.251437	3.63E-08
0.21455	0.072431	0.11803	0.122925	0.00783	0.174836	0.00015	0.0067	0.88518
0.92424	0.13048	0.00474	0.200645	1.25E-05	0.270146	2.98E-09	0.110299	0.0171
5.21E-06	0.060023	0.19539	-0.06471	0.16267	-0.00607	0.89592	-0.17914	9.92E-05
1.56E-11	0.184988	5.78E-05	0.24127	1.31E-07	0.407362	4.28E-20	-0.02556	0.5817
0.36744	0.410227	2.21E-20	0.353578	3.37E-15	0.477647	5.46E-28	0.177087	0.00012
0.06331	0.118049	0.01068	0.167314	0.00028	0.186904	4.82E-05	0.057137	0.21778
0.02832	-0.27573	1.36E-09	-0.34799	9.68E-15	-0.38769	3.37E-18	-0.24267	1.10E-07
0.63741	0.177	0.00012	0.150426	0.00111	0.237196	2.14E-07	0.108892	0.01858
0.62228	-0.13753	0.0029	-0.02631	0.57055	-0.18663	4.95E-05	-0.07723	0.09554
0.6213	0.229296	5.48E-07	-0.01417	0.75998	0.114845	0.01301	0.220019	1.58E-06
0.00709	-0.05732	0.21629	0.023256	0.61617	0.161993	0.00044	-0.05094	0.27191
0.04291	0.152064	0.00098	0.181157	8.25E-05	0.244426	8.83E-08	0.08259	0.07458
0.00844	0.225839	8.17E-07	0.292476	1.16E-10	0.306114	1.38E-11	0.191842	3.00E-05
0.0432	0.137272	0.00295	0.219788	1.62E-06	0.287061	2.61E-10	0.014293	0.75804
0.00049	0.2404	1.45E-07	0.203232	9.58E-06	0.220771	1.45E-06	0.17599	0.00013
0.00116	-0.2191	1.75E-06	-0.14605	0.00155	-0.18752	4.55E-05	-0.14158	0.00216
0.00835	0.051365	0.26796	0.1404	0.00236	0.289248	1.88E-10	0.028277	0.54216
0.62061	0.2039	8.94E-06	0.268524	3.73E-09	0.349466	7.35E-15	0.121139	0.00878
6.86E-07	-0.22455	9.47E-07	-0.22885	5.77E-07	-0.18349	6.65E-05	-0.13825	0.00275
1.11E-24	-0.29685	5.91E-11	-0.10793	0.01965	0.004798	0.91764	-0.36131	7.57E-16
2.64E-07	0.045234	0.32936	0.127029	0.00598	0.060663	0.19066	0.154963	0.00078
0.30777	0.094003	0.04231	0.162053	0.00044	0.260233	1.15E-08	0.001652	0.97159
0.38838	-0.18767	4.48E-05	-0.02764	0.55132	-0.04812	0.29941	-0.03691	0.42621
0.00272	0.17208	0.00019	0.184479	6.06E-05	0.209878	4.78E-06	-0.08445	0.06826
0.07164	0.138239	0.00276	0.143712	0.00185	0.343187	2.36E-14	0.042409	0.3605
0.09777	-0.27892	8.60E-10	-0.19088	3.29E-05	-0.23754	2.06E-07	-0.10866	0.01884
0.03967	0.098021	0.0342	0.242643	1.10E-07	0.33142	1.96E-13	0.100816	0.02938

0.53323	0.235326	2.69E-07	0.331171	2.05E-13	0.434684	6.02E-23	0.051006	0.27133
7.01E-14	-0.15911	0.00056	-0.06488	0.16154	0.102964	0.02608	-0.24008	1.51E-07
4.45E-06	0.077895	0.09269	0.101902	0.02767	0.0997	0.03123	-0.10885	0.01863
0.22671	0.073892	0.11078	0.165578	0.00033	0.260141	1.16E-08	0.131675	0.00437
0.82852	0.203312	9.50E-06	0.193969	2.44E-05	0.270255	2.93E-09	0.023792	0.60806
0.49738	0.117364	0.01114	0.136681	0.00308	0.158004	0.00061	0.007112	0.87818
0.01018	0.02751	0.55317	0.059153	0.20196	0.154601	0.0008	-0.17609	0.00013
1.63E-05	0.225567	8.43E-07	0.232743	3.65E-07	0.30718	1.16E-11	0.151047	0.00106
4.94E-17	0.282444	5.16E-10	0.307371	1.12E-11	0.296871	5.89E-11	0.271269	2.54E-09
9.76E-17	0.18745	4.58E-05	0.232121	3.93E-07	0.165405	0.00033	0.328311	3.37E-13
0.00146	-0.1906	3.38E-05	-0.1281	0.00557	-0.22265	1.18E-06	-0.22297	1.13E-06
5.97E-06	-0.16882	0.00025	-0.18165	7.89E-05	-0.22802	6.35E-07	-0.14571	0.00159
0.08419	-0.04366	0.34653	0.049839	0.28245	0.061785	0.18257	-0.01742	0.70735
0.94371	-0.182	7.64E-05	-0.25105	3.82E-08	-0.32141	1.10E-12	-0.20183	1.11E-05
6.98E-08	-0.3429	2.49E-14	-0.25828	1.49E-08	-0.30788	1.04E-11	-0.28183	5.64E-10
5.17E-11	-0.16622	0.00031	-0.14153	0.00217	-0.24191	1.21E-07	-0.0235	0.6125
0.76198	0.260175	1.16E-08	0.350335	6.24E-15	0.442249	8.77E-24	0.167326	0.00028
0.40965	0.353054	3.73E-15	0.434644	6.08E-23	0.559421	8.27E-40	0.218436	1.88E-06
0.2458	0.182934	7.00E-05	0.235914	2.50E-07	0.378302	2.45E-17	0.163532	0.00039
0.41568	-0.0136	0.76938	0.132097	0.00424	0.031546	0.49646	0.012105	0.79417
1.40E-05	0.019942	0.66731	0.094808	0.04057	0.118182	0.01059	-0.07079	0.12659
0.25285	-0.02556	0.58164	0.017748	0.70206	0.059557	0.19889	0.028479	0.53927
8.31E-18	0.194521	2.31E-05	0.097877	0.03447	0.061553	0.18422	0.282844	4.86E-10
0.00749	0.17688	0.00012	0.175343	0.00014	0.264841	6.17E-09	0.138139	0.00278
0.35514	0.217976	1.98E-06	0.1729	0.00017	0.210296	4.57E-06	0.02145	0.64383
0.55643	-0.04327	0.35079	0.041506	0.37082	0.07835	0.0908	-0.11675	0.01158
0.39037	-0.17087	0.00021	-0.18566	5.42E-05	-0.27477	1.55E-09	-0.12757	0.00577
0.343	0.07343	0.11303	0.15129	0.00104	0.167149	0.00029	0.021041	0.65016
0.78979	0.124871	0.0069	0.161943	0.00044	0.214531	2.89E-06	-0.01333	0.77387
0.00051	0.081596	0.07815	0.242058	1.18E-07	0.301774	2.74E-11	0.015096	0.74489
0.04915	0.368627	1.77E-16	0.384251	7.03E-18	0.484449	7.44E-29	0.248932	5.01E-08
1.72E-26	0.126346	0.00626	0.07514	0.10486	-0.05076	0.27365	0.335888	8.86E-14
0.11548	0.14573	0.00159	0.207533	6.12E-06	0.267935	4.04E-09	0.015153	0.74397
0.50536	-0.04007	0.38761	-0.0055	0.90568	0.066352	0.15225	-0.05801	0.21084
0.56725	0.226545	7.54E-07	0.270704	2.75E-09	0.471836	2.90E-27	0.163374	0.00039
0.00055	0.025511	0.58238	0.098346	0.03361	0.178176	0.00011	-0.15798	0.00061
0.86825	0.142243	0.00206	0.208413	5.58E-06	0.305739	1.46E-11	0.109365	0.01807
0.0165	-0.00465	0.92015	0.159425	0.00054	0.188535	4.13E-05	-0.02456	0.5965
0.00284	0.078056	0.09202	0.19295	2.69E-05	0.29181	1.28E-10	-0.05901	0.20308
0.27524	0.096884	0.03635	0.11306	0.0145	0.16182	0.00045	0.147937	0.00135
9.57E-05	0.249623	4.58E-08	0.164332	0.00036	0.277435	1.06E-09	0.185051	5.74E-05
0.57295	0.121295	0.00869	0.211522	4.01E-06	0.188949	3.97E-05	0.13693	0.00303
0.01633	-0.06023	0.19384	0.004526	0.9223	0.145284	0.00164	-0.07139	0.12341
0.95061	0.098906	0.03261	0.172389	0.00018	0.241634	1.25E-07	0.051535	0.26638
5.91E-13	-0.05942	0.1999	-0.03392	0.46457	-0.13766	0.00287	0.08351	0.07139

0.01279	0.242647	1.10E-07	0.217523	2.08E-06	0.38352	8.21E-18	0.067968	0.14249
0.00163	0.020642	0.65637	-0.02222	0.63193	-0.11818	0.01059	0.036914	0.42612
0.58664	0.050825	0.27303	0.149179	0.00122	0.216869	2.24E-06	0.007281	0.87531
4.19E-12	0.15278	0.00093	0.247138	6.28E-08	0.163168	0.0004	0.254132	2.57E-08
6.49E-15	0.051213	0.26938	0.059134	0.2021	0.268939	3.52E-09	-0.1453	0.00164
0.86754	-0.02608	0.57404	0.176215	0.00013	0.157187	0.00065	0.067551	0.14497
0.26867	0.428187	3.03E-22	0.436308	4.00E-23	0.573629	3.26E-42	0.229917	5.10E-07
0.00662	0.07564	0.10256	0.160946	0.00048	0.150091	0.00114	0.075907	0.10135
0.86295	0.368338	1.88E-16	0.385194	5.75E-18	0.381012	1.39E-17	0.134602	0.00357
0.72412	0.054852	0.23678	0.216874	2.24E-06	0.260889	1.05E-08	-0.006	0.89706
0.95876	0.008537	0.85401	0.079924	0.08447	0.116462	0.01178	0.021819	0.63813
0.59599	0.340813	3.64E-14	0.215588	2.58E-06	0.453997	3.99E-25	0.204182	8.69E-06
0.00014	0.005327	0.9086	-0.01116	0.80986	0.086833	0.06079	-0.01102	0.81232
0.88027	0.299287	4.05E-11	0.381332	1.30E-17	0.45307	5.12E-25	0.191897	2.98E-05
0.39062	-0.15166	0.00101	-0.22687	7.26E-07	-0.22767	6.61E-07	-0.10209	0.02738
4.15E-05	0.252521	3.16E-08	0.247286	6.17E-08	0.303038	2.25E-11	0.144882	0.00169
3.71E-06	0.268272	3.86E-09	0.246012	7.24E-08	0.320484	1.29E-12	0.174636	0.00015
0.17043	0.238102	1.92E-07	0.266775	4.74E-09	0.385339	5.58E-18	0.132757	0.00405
0.07986	-0.04454	0.33684	0.062778	0.17563	-0.03045	0.5115	-0.1123	0.01518
0.1257	0.29894	4.28E-11	0.055561	0.23076	0.18941	3.80E-05	0.147421	0.0014
0.92035	0.188553	4.12E-05	0.190784	3.32E-05	0.250252	4.23E-08	0.072801	0.11616
0.06521	0.251715	3.51E-08	0.367594	2.18E-16	0.478711	4.01E-28	0.107913	0.01967
6.29E-22	0.561652	3.53E-40	0.51445	6.50E-33	0.502385	3.12E-31	0.462903	3.54E-26
0.00015	0.280969	6.39E-10	0.337871	6.21E-14	0.382091	1.11E-17	0.028961	0.53243
0.31384	0.170034	0.00022	0.140094	0.00241	0.269172	3.41E-09	0.113525	0.0141
0.10437	0.195823	2.03E-05	0.16782	0.00027	0.133264	0.00391	0.110566	0.01684
0.14962	0.368813	1.71E-16	0.305784	1.45E-11	0.4607	6.49E-26	0.207811	5.95E-06
0.09066	0.305836	1.44E-11	0.391719	1.41E-18	0.436789	3.54E-23	0.163781	0.00038
0.52819	0.315795	2.84E-12	0.297362	5.46E-11	0.356523	1.92E-15	0.081182	0.07968
0.04736	0.154152	0.00083	0.287374	2.49E-10	0.295781	6.97E-11	0.151256	0.00104
0.00105	0.362861	5.58E-16	0.366537	2.69E-16	0.493126	5.48E-30	0.14965	0.00118
0.00492	0.561575	3.64E-40	0.527286	8.90E-35	0.550904	2.02E-38	0.194801	2.24E-05
0.00377	-0.03198	0.49052	0.136933	0.00302	0.15805	0.00061	-0.11268	0.01484
0.77673	0.325807	5.21E-13	0.468321	7.83E-27	0.473697	1.70E-27	0.099186	0.03212
0.04623	0.339743	4.42E-14	0.318318	1.86E-12	0.459495	9.02E-26	0.068544	0.13913
0.14167	-0.33941	4.70E-14	-0.15074	0.00108	-0.31571	2.88E-12	0.157617	0.00063
0.52408	0.220159	1.56E-06	0.205712	7.41E-06	0.28209	5.43E-10	0.063071	0.17362
0.46573	0.36194	6.69E-16	0.502788	2.74E-31	0.537761	2.33E-36	0.130768	0.00465
0.39161	0.388816	2.65E-18	0.415636	6.24E-21	0.592203	1.54E-45	0.164905	0.00035
4.70E-05	0.021032	0.6503	0.231839	4.07E-07	0.271115	2.60E-09	-0.06717	0.14724
0.04532	0.156732	0.00068	0.224492	9.53E-07	0.306597	1.27E-11	0.029102	0.53044
2.01E-06	-0.3177	2.06E-12	-0.16354	0.00039	-0.1655	0.00033	-0.26295	7.97E-09
0.84226	0.270352	2.89E-09	0.178723	0.0001	0.241544	1.26E-07	0.114247	0.0135
0.04872	0.22636	7.70E-07	0.144438	0.00175	0.204059	8.80E-06	0.116034	0.0121
0.0394	0.263224	7.68E-09	0.082632	0.07443	0.284011	4.10E-10	0.175059	0.00014

0.19365	0.213118	3.37E-06	0.124042	0.00728	0.220712	1.46E-06	0.124971	0.00685
0.05722	0.224568	9.45E-07	0.072524	0.11756	0.083898	0.07008	0.17721	0.00012
0.16033	0.153535	0.00087	0.079533	0.08601	0.184389	6.11E-05	0.075832	0.10169
0.81874	0.170274	0.00022	0.078108	0.0918	0.160619	0.00049	0.080471	0.08236
0.2282	0.232219	3.89E-07	0.07924	0.08717	0.119592	0.00969	0.132618	0.00409
0.02492	0.23159	4.19E-07	0.15604	0.00071	0.168829	0.00025	0.152718	0.00093
0.2017	0.094805	0.04057	0.055053	0.23506	0.133925	0.00374	0.064481	0.16417
0.81065	0.096573	0.03696	0.111481	0.01594	0.135414	0.00337	0.075931	0.10124
0.08798	0.210891	4.29E-06	0.130588	0.0047	0.198445	1.56E-05	0.110151	0.01725
0.81765	0.144123	0.00179	0.044179	0.34078	0.125481	0.00662	0.042714	0.35705
0.0052	0.053204	0.25119	0.027425	0.5544	0.214305	2.97E-06	-0.05302	0.25281
0.00632	0.315028	3.22E-12	0.15427	0.00082	0.293399	1.00E-10	0.204828	8.12E-06
0.01644	0.27044	2.86E-09	0.143756	0.00184	0.253627	2.74E-08	0.12129	0.0087
0.01316	0.272997	2.00E-09	0.161868	0.00045	0.238624	1.80E-07	0.175726	0.00014
0.13028	0.124961	0.00686	0.121802	0.00842	0.220114	1.56E-06	0.208438	5.56E-06
0.1692	-0.03307	0.47585	-0.03107	0.50299	0.18738	4.61E-05	-0.00759	0.87006
0.153	0.173596	0.00016	0.09055	0.05052	0.156857	0.00067	0.115827	0.01225
0.00376	0.23648	2.34E-07	0.185383	5.57E-05	0.206698	6.68E-06	0.187548	4.54E-05
0.11563	0.2017	1.12E-05	0.11328	0.01431	0.194886	2.23E-05	0.121744	0.00845
0.06175	0.060582	0.19126	-0.01369	0.768	0.130877	0.00461	-0.04603	0.32093
0.06266	0.115868	0.01222	0.062107	0.1803	0.080038	0.08403	0.116906	0.01146
0.21728	0.146444	0.00151	0.064954	0.1611	0.211973	3.82E-06	0.090798	0.04988
0.21192	0.186832	4.86E-05	0.076567	0.09841	0.166962	0.00029	0.074737	0.10674
0.66529	0.173693	0.00016	0.132198	0.00421	0.22385	1.03E-06	0.128372	0.00547
0.94586	0.205376	7.67E-06	0.100065	0.03061	0.248969	4.98E-08	0.096576	0.03695
0.07707	0.208666	5.43E-06	0.142292	0.00205	0.157858	0.00062	0.142169	0.00207
0.00365	0.267339	4.39E-09	0.149436	0.0012	0.233099	3.50E-07	0.152048	0.00098
0.24234	0.160528	0.0005	0.066857	0.14915	0.14996	0.00115	0.097335	0.03548
0.11125	0.190769	3.33E-05	0.14236	0.00204	0.14389	0.00182	0.120046	0.00941
0.27277	0.188954	3.97E-05	0.086107	0.06299	0.117502	0.01105	0.114626	0.01319
0.78141	0.104534	0.02387	0.100647	0.02965	0.146891	0.00146	0.064254	0.16567
4.73E-13	0.155969	0.00072	0.12048	0.00916	0.058149	0.20973	0.246628	6.70E-08
0.60011	0.17696	0.00012	0.097295	0.03556	0.140686	0.00231	0.049543	0.28533
0.00027	0.234074	3.12E-07	0.191953	2.97E-05	0.236428	2.35E-07	0.144469	0.00175
0.06005	0.1712	0.0002	0.066606	0.15069	0.106994	0.02074	0.121558	0.00855
0.05209	0.194809	2.24E-05	0.155107	0.00077	0.149713	0.00117	0.145791	0.00158
0.42824	0.161208	0.00047	0.01989	0.66813	0.083834	0.07029	0.154068	0.00084
0.01302	0.309179	8.40E-12	0.201019	1.20E-05	0.279648	7.74E-10	0.144451	0.00175
0.93423	0.061496	0.18463	-0.01498	0.7468	0.127857	0.00566	0.040209	0.38597
0.37853	0.231311	4.33E-07	0.066899	0.1489	0.165479	0.00033	0.114419	0.01336
0.03978	0.224177	9.88E-07	0.145054	0.00167	0.184703	5.94E-05	0.144583	0.00173
0.76802	0.057206	0.21723	-0.02823	0.54282	0.053907	0.24497	-0.04381	0.34488
0.00054	0.216255	2.40E-06	0.032836	0.47902	0.089163	0.05417	0.106387	0.02148
0.02881	0.244029	9.28E-08	0.099443	0.03167	0.156554	0.00069	0.133802	0.00377
0.11167	0.201217	1.18E-05	0.042024	0.36487	0.147559	0.00139	0.056467	0.22324

0.0048	0.25994	1.19E-08	0.168933	0.00025	0.213023	3.41E-06	0.179536	9.57E-05
0.02602	0.142475	0.00203	0.072665	0.11684	0.16634	0.00031	0.113751	0.01391
0.02935	0.218708	1.83E-06	0.122031	0.00829	0.186784	4.88E-05	0.13573	0.00329
0.00059	0.261965	9.11E-09	0.156017	0.00072	0.231249	4.36E-07	0.158798	0.00057
0.0123	0.210273	4.58E-06	0.130541	0.00472	0.196016	1.99E-05	0.202165	1.07E-05
0.0973	0.206755	6.64E-06	0.131283	0.00449	0.206314	6.96E-06	0.136003	0.00323
0.07636	0.307207	1.15E-11	0.292489	1.15E-10	0.45388	4.12E-25	0.20894	5.28E-06
0.14117	0.249315	4.77E-08	0.087845	0.05784	0.08947	0.05334	0.034403	0.45828
0.72992	0.182936	7.00E-05	0.054933	0.23608	0.131825	0.00432	0.06402	0.16722
0.27375	0.220305	1.53E-06	0.173679	0.00016	0.244362	8.90E-08	0.163737	0.00038
0.37871	0.149063	0.00123	0.060272	0.19354	0.114591	0.01322	0.085884	0.06368
0.45596	0.169979	0.00022	0.119813	0.00955	0.192601	2.79E-05	0.067425	0.14572
0.13383	0.228722	5.86E-07	0.095757	0.03859	0.266011	5.26E-09	0.071346	0.12365
0.28667	0.217787	2.02E-06	0.112207	0.01527	0.156899	0.00067	0.127026	0.00598
0.62074	0.209459	4.99E-06	0.054706	0.23803	0.157158	0.00065	0.12194	0.00834
1.82E-05	0.248323	5.41E-08	0.203878	8.96E-06	0.187195	4.69E-05	0.20999	4.72E-06
0.90699	0.14022	0.00239	0.031939	0.49112	0.074553	0.10761	0.095322	0.03949
0.01075	0.285509	3.29E-10	0.143995	0.00181	0.2957	7.06E-11	0.189655	3.71E-05
0.46212	0.170393	0.00022	0.093229	0.04404	0.138432	0.00272	0.107491	0.02016
0.00561	0.241976	1.20E-07	0.127316	0.00587	0.156919	0.00067	0.164305	0.00036
0.7476	0.140191	0.00239	0.112193	0.01528	0.195216	2.15E-05	0.07024	0.12959
0.37606	0.252445	3.19E-08	0.095897	0.03831	0.266892	4.66E-09	0.154912	0.00078
0.28741	0.176908	0.00012	0.090744	0.05002	0.198949	1.48E-05	0.06967	0.13274
0.42528	0.117222	0.01124	0.053432	0.24916	0.172173	0.00018	0.04886	0.29203
0.14121	0.171905	0.00019	0.096577	0.03695	0.138735	0.00266	0.097695	0.03481
0.10567	0.191437	3.12E-05	0.114135	0.01359	0.139383	0.00254	0.104589	0.0238
0.96344	0.103007	0.02602	0.008739	0.8506	0.092854	0.04491	0.08175	0.07759
0.71085	0.123782	0.0074	0.022539	0.62709	0.137446	0.00292	0.056945	0.21934
0.45655	0.167793	0.00027	0.059158	0.20192	0.111078	0.01633	0.09204	0.04682
0.04503	0.191601	3.07E-05	0.091079	0.04918	0.124007	0.0073	0.122651	0.00797
0.01613	0.195902	2.01E-05	0.103881	0.02477	0.143153	0.00193	0.159354	0.00055
0.00095	0.218329	1.91E-06	0.124857	0.0069	0.143576	0.00187	0.179751	9.39E-05
0.01531	0.192295	2.87E-05	0.10818	0.01937	0.139268	0.00256	0.155064	0.00077
0.0062	0.281089	6.28E-10	0.140048	0.00242	0.215935	2.48E-06	0.174784	0.00015
0.48385	0.211857	3.86E-06	0.13974	0.00247	0.255421	2.17E-08	0.152128	0.00097
0.7127	0.123004	0.00779	0.075947	0.10117	0.098225	0.03383	0.095089	0.03997
0.00263	0.257173	1.72E-08	0.142867	0.00197	0.185587	5.46E-05	0.206386	6.91E-06
0.27517	0.142495	0.00202	0.040932	0.37748	0.070357	0.12895	0.079483	0.08621
0.52416	0.136422	0.00314	0.070761	0.12677	0.12254	0.00803	0.086329	0.06231
0.21449	0.163545	0.00039	0.106642	0.02117	0.097935	0.03436	0.133312	0.0039
0.01421	0.186209	5.15E-05	0.105938	0.02204	0.10515	0.02305	0.166725	0.0003
0.21486	0.035542	0.44353	0.00824	0.85905	0.045812	0.32322	0.045045	0.33139
0.0634	0.164308	0.00036	0.085571	0.06466	0.083599	0.07109	0.139926	0.00244
0.50761	0.259131	1.33E-08	0.094593	0.04103	0.232847	3.61E-07	0.152644	0.00094
0.24159	0.248485	5.30E-08	0.182976	6.97E-05	0.351983	4.57E-15	0.122534	0.00803

0.15163	0.033275	0.47316	0.046652	0.31442	0.217577	2.07E-06	0.010297	0.82436
0.26895	0.172203	0.00018	0.089539	0.05316	0.161828	0.00045	0.120749	0.009
0.00369	0.253441	2.81E-08	0.171004	0.0002	0.219582	1.66E-06	0.140567	0.00233
0.43604	0.192255	2.88E-05	0.125446	0.00664	0.2176	2.07E-06	0.114758	0.01308
0.04351	0.228382	6.09E-07	0.147255	0.00142	0.182052	7.60E-05	0.133954	0.00373
0.09942	0.137306	0.00295	0.056077	0.22646	0.074498	0.10787	0.06194	0.18147
0.31504	0.07878	0.08903	0.108851	0.01862	0.251422	3.64E-08	0.065983	0.15455
0.2576	0.19714	1.78E-05	0.082393	0.07528	0.200295	1.29E-05	0.077722	0.09342
0.22538	0.161586	0.00046	0.117654	0.01094	0.159838	0.00053	0.096957	0.03621
0.58482	0.213485	3.24E-06	0.107731	0.01988	0.303554	2.07E-11	0.141751	0.00214
0.19218	0.103356	0.02551	0.086805	0.06088	0.130766	0.00465	0.138419	0.00272
0.06372	0.230772	4.61E-07	0.087129	0.05992	0.209779	4.83E-06	0.140279	0.00238
0.00658	0.263019	7.90E-09	0.151056	0.00106	0.162358	0.00043	0.169544	0.00023
0.05123	0.207938	5.87E-06	0.113058	0.01451	0.158796	0.00057	0.161138	0.00047
0.05184	0.197018	1.80E-05	0.123168	0.00771	0.193571	2.53E-05	0.131918	0.0043
0.70917	0.251097	3.80E-08	0.153216	0.00089	0.275454	1.41E-09	0.162152	0.00043
0.27707	0.153714	0.00086	0.05707	0.21833	0.187423	4.59E-05	0.079069	0.08786
0.00141	0.440904	1.24E-23	0.255511	2.14E-08	0.344961	1.70E-14	0.254795	2.35E-08
0.01043	0.271725	2.39E-09	0.14009	0.00241	0.226061	7.97E-07	0.187378	4.61E-05
0.81879	0.213817	3.13E-06	0.039353	0.39617	0.133869	0.00375	0.09866	0.03304
0.03764	0.244441	8.81E-08	0.112614	0.0149	0.193594	2.53E-05	0.162993	0.00041
0.04059	0.261076	1.03E-08	0.113062	0.0145	0.242128	1.17E-07	0.175426	0.00014
0.02665	0.260027	1.18E-08	0.13245	0.00414	0.201998	1.09E-05	0.168196	0.00026
0.00266	0.267914	4.05E-09	0.161949	0.00044	0.334225	1.19E-13	0.120503	0.00914
0.40588	0.251597	3.56E-08	0.073583	0.11228	0.224888	9.11E-07	0.115214	0.01272
0.30413	0.189424	3.79E-05	0.175689	0.00014	0.205339	7.70E-06	0.119579	0.0097
0.25608	0.293783	9.47E-11	0.14202	0.00209	0.273595	1.84E-09	0.143463	0.00188
0.03694	0.232091	3.95E-07	0.103972	0.02464	0.150726	0.00109	0.157196	0.00065
0.15265	0.081432	0.07875	0.095599	0.03891	0.238936	1.74E-07	0.101388	0.02847
0.12584	0.205405	7.65E-06	0.100032	0.03067	0.158183	0.0006	0.113837	0.01384
0.02495	0.252055	3.36E-08	0.15945	0.00054	0.21177	3.90E-06	0.192236	2.89E-05
0.29049	0.199433	1.41E-05	0.076712	0.09777	0.202787	1.00E-05	0.109671	0.01775
0.76552	0.178345	0.00011	0.074156	0.1095	0.172054	0.00019	0.104657	0.02371
0.07508	0.097997	0.03425	0.04891	0.29153	0.127492	0.0058	0.128104	0.00557
0.04778	0.138246	0.00275	0.113398	0.01421	0.096221	0.03765	0.195403	2.11E-05
0.77369	0.031519	0.49684	-0.00218	0.96259	0.132427	0.00415	0.005122	0.9121
0.05668	0.22376	1.04E-06	0.090682	0.05018	0.126954	0.00601	0.140147	0.0024
0.32766	0.375521	4.36E-17	0.292674	1.12E-10	0.432418	1.06E-22	0.240659	1.41E-07
0.32845	0.204843	8.11E-06	0.172428	0.00018	0.282632	5.02E-10	0.137928	0.00282
0.9302	0.070758	0.12678	0.039079	0.39948	0.058143	0.20978	0.017372	0.70809
0.92454	0.182724	7.14E-05	0.133795	0.00377	0.157392	0.00064	0.034395	0.45838
0.18266	0.203787	9.05E-06	0.075168	0.10473	0.16649	0.0003	0.135807	0.00328
0.39331	0.146107	0.00155	0.055031	0.23525	0.102775	0.02636	0.103944	0.02468
0.51075	0.183687	6.53E-05	0.06194	0.18147	0.163779	0.00038	0.142341	0.00205
0.46277	0.170477	0.00021	0.066394	0.15199	0.157057	0.00066	0.062497	0.17757



0.63354	0.126356	0.00625	0.030895	0.50539	0.144217	0.00178	0.047444	0.30626
0.94923	0.104362	0.02411	0.006631	0.88635	0.16417	0.00037	0.079141	0.08757
0.9969	0.166124	0.00031	0.047613	0.30454	0.147925	0.00135	0.033147	0.47486
0.91308	0.086291	0.06243	0.027626	0.5515	0.120396	0.00921	0.032679	0.48112
0.55663	0.028593	0.53766	0.018284	0.69351	0.06817	0.14131	-0.03221	0.48742
0.05919	0.025403	0.58398	-0.05222	0.26011	-0.01833	0.69284	-0.06235	0.17861
0.16345	0.133508	0.00385	-0.00329	0.9435	0.080151	0.08359	0.009737	0.83378
0.49812	0.044518	0.33709	0.010324	0.82391	0.070764	0.12675	0.057823	0.21231
0.29271	0.202601	1.02E-05	0.085988	0.06336	0.186799	4.87E-05	0.137585	0.00289
0.33592	0.168598	0.00025	0.076125	0.10037	0.161577	0.00046	0.085945	0.06349
0.40092	0.212372	3.66E-06	0.119598	0.00968	0.166321	0.00031	0.081695	0.07779
0.95584	0.142954	0.00196	0.041695	0.36865	0.149097	0.00123	0.049834	0.28251
0.00026	0.406789	4.88E-20	0.208655	5.44E-06	0.320667	1.25E-12	0.241199	1.32E-07
0.26976	0.174614	0.00015	0.049626	0.28453	0.213452	3.25E-06	0.034764	0.45358
0.87391	0.255233	2.22E-08	0.133292	0.00391	0.327422	3.94E-13	0.11416	0.01357
0.31149	0.214249	2.98E-06	0.0745	0.10786	0.15469	0.0008	0.069082	0.13605
0.34693	0.164692	0.00035	0.094675	0.04085	0.135691	0.0033	0.089544	0.05314
0.00995	0.156782	0.00067	0.1137	0.01395	0.157966	0.00061	-0.00895	0.84703
0.11011	0.172329	0.00018	0.062245	0.17933	0.12982	0.00496	0.118594	0.01032
2.16E-05	0.141266	0.00221	0.088049	0.05726	0.250668	4.01E-08	-0.01677	0.7178
0.87386	0.221199	1.38E-06	0.103154	0.0258	0.175469	0.00014	0.130843	0.00462
0.00044	0.152946	0.00091	0.09052	0.05059	0.104352	0.02412	0.148965	0.00124
0.14458	0.072352	0.11843	0.071277	0.12402	0.011824	0.79884	0.07529	0.10417
0.40451	0.165532	0.00033	0.058801	0.20466	0.103786	0.0249	0.098814	0.03277
0.81885	0.210155	4.64E-06	0.079592	0.08577	0.146628	0.00149	0.122048	0.00828
0.04368	0.163993	0.00037	0.061498	0.18461	0.141304	0.00221	0.108813	0.01866
0.69316	0.134991	0.00347	0.058949	0.20352	0.130766	0.00465	0.03088	0.50561
0.50047	0.14688	0.00146	0.110726	0.01668	0.139218	0.00257	0.078277	0.0911
0.05156	0.01071	0.81745	-0.03496	0.45106	0.046655	0.31438	-0.03013	0.51601
0.08152	0.358833	1.23E-15	0.106236	0.02167	0.190982	3.26E-05	0.040443	0.38321
0.09711	0.121553	0.00855	-0.03142	0.49816	0.08313	0.0727	-0.0249	0.5914
0.22124	0.207793	5.96E-06	0.101931	0.02762	0.107989	0.01958	0.11511	0.0128
0.0615	0.274789	1.55E-09	0.083568	0.07119	0.202421	1.04E-05	0.160009	0.00052
0.60293	0.174725	0.00015	0.073205	0.11414	0.156929	0.00067	0.071421	0.12326
0.65732	0.220891	1.43E-06	0.054521	0.23963	0.226694	7.41E-07	0.093699	0.04298
0.96285	0.135676	0.00331	0.077324	0.09512	0.17253	0.00018	0.040895	0.37791
0.17236	0.148761	0.00126	0.140801	0.00229	0.245384	7.83E-08	0.062891	0.17485
0.61392	0.133904	0.00374	0.019254	0.67813	0.123062	0.00776	0.063885	0.16812
0.21248	0.151044	0.00106	0.068879	0.13721	0.104412	0.02404	0.059671	0.19803
0.98026	0.131652	0.00437	0.038154	0.41074	0.082106	0.0763	0.055153	0.23421
0.76299	0.075148	0.10483	-0.01091	0.81416	0.162525	0.00042	0.029133	0.53
0.29888	0.180325	8.91E-05	0.107665	0.01995	0.178202	0.00011	0.090195	0.05143
0.52098	0.097251	0.03564	0.047264	0.3081	0.116285	0.01191	4.72E-05	0.99919
0.73548	0.181503	7.99E-05	0.116296	0.0119	0.174128	0.00016	0.030065	0.51692
0.0674	0.072806	0.11613	0.041745	0.36807	0.108057	0.01951	-0.03312	0.47529

0.01061	0.028036	0.54561	0.045087	0.33094	0.120609	0.00908	-0.0268	0.56349
0.96209	0.21927	1.72E-06	0.064554	0.1637	0.19008	3.56E-05	0.077532	0.09423
0.00451	0.006248	0.89288	-0.01228	0.7913	0.049405	0.28668	-0.09919	0.03211
2.88E-05	-0.00527	0.90964	-0.01647	0.7226	0.062576	0.17702	-0.0871	0.06
0.55981	0.08489	0.06682	0.022576	0.62652	0.047556	0.30512	0.014329	0.75745
0.16772	0.152729	0.00093	0.10849	0.01902	0.172076	0.00019	0.136328	0.00316
0.13469	0.190508	3.41E-05	0.125268	0.00672	0.252944	2.99E-08	0.055406	0.23207
0.73485	0.109246	0.0182	0.024812	0.59277	0.068893	0.13713	0.01355	0.77025
0.0399	0.105879	0.02212	0.031474	0.49745	0.133006	0.00398	-0.02704	0.56004
0.02932	0.11918	0.00994	0.068834	0.13747	0.065258	0.15915	0.140134	0.0024
0.02433	0.270822	2.71E-09	0.215851	2.51E-06	0.260493	1.11E-08	0.084679	0.0675
0.32869	0.080491	0.08228	-0.01325	0.77513	0.065312	0.1588	0.024957	0.5906
0.95148	0.245193	8.02E-08	0.186062	5.22E-05	0.215832	2.51E-06	0.058111	0.21003
0.65743	0.178732	0.0001	0.104909	0.02337	0.093035	0.04449	0.028158	0.54386
0.1283	0.128502	0.00542	0.099162	0.03216	0.17628	0.00013	0.044094	0.34171
0.3558	0.027821	0.54869	0.031927	0.49127	0.061991	0.18111	0.030419	0.51199
0.59779	0.104924	0.02335	0.053539	0.24821	0.114818	0.01304	0.04395	0.34329
0.00226	0.117697	0.01091	0.049415	0.28658	0.073629	0.11205	0.18377	6.48E-05
0.08269	0.291221	1.40E-10	0.200719	1.24E-05	0.242379	1.14E-07	0.204721	8.21E-06
0.02916	0.185892	5.31E-05	0.083353	0.07193	0.130684	0.00467	0.134311	0.00364
0.98591	0.138633	0.00268	0.010433	0.82208	0.08209	0.07636	-0.01613	0.72812
0.93597	0.093181	0.04415	0.110376	0.01703	0.136382	0.00315	0.092903	0.04479
0.08488	0.230527	4.74E-07	0.117814	0.01083	0.14556	0.00161	0.152126	0.00097
0.11259	0.200184	1.31E-05	0.111001	0.01641	0.215764	2.53E-06	0.04461	0.33609
0.27621	0.134433	0.00361	-0.01554	0.73759	0.042555	0.35885	-0.05083	0.273
0.99487	0.125386	0.00667	0.037351	0.42065	0.096987	0.03615	0.050342	0.27762
0.41745	0.043162	0.35202	0.062406	0.17821	0.148307	0.00131	-0.01484	0.74912
0.7897	0.114943	0.01294	0.082476	0.07498	0.194932	2.22E-05	0.056674	0.22154
0.54872	0.082322	0.07553	0.001802	0.96902	0.074989	0.10556	0.012341	0.79025
0.79754	0.179135	9.93E-05	0.0784	0.09059	0.203798	9.04E-06	0.09293	0.04473
0.31849	0.093636	0.04312	0.044549	0.33675	0.083528	0.07133	0.058981	0.20327
0.72667	0.146457	0.00151	0.057112	0.21799	0.156424	0.00069	0.081593	0.07816
0.27295	0.113632	0.01401	0.079006	0.08811	0.093284	0.04392	0.106034	0.02192
0.03524	0.221666	1.31E-06	0.139597	0.0025	0.214421	2.93E-06	0.091923	0.04711
0.38463	0.138861	0.00264	0.067905	0.14287	0.171716	0.00019	0.082168	0.07608
0.69976	0.087005	0.06028	0.029824	0.52027	0.091238	0.04878	0.070184	0.1299
0.48315	0.130068	0.00487	0.047469	0.306	0.146142	0.00154	0.084704	0.06742
0.64919	0.11199	0.01547	0.02781	0.54885	0.066361	0.1522	0.018946	0.683
0.76124	0.09754	0.0351	0.023373	0.61439	0.088979	0.05467	0.003492	0.94
0.47737	0.141522	0.00217	0.066862	0.14912	0.126645	0.00613	0.062146	0.18002
0.33861	0.089287	0.05383	0.064476	0.16421	0.133079	0.00396	-0.01463	0.75252
0.79338	0.176602	0.00012	0.11065	0.01675	0.18692	4.81E-05	0.032575	0.48252
0.13276	0.16187	0.00044	0.075205	0.10456	0.12041	0.0092	0.109703	0.01772
0.65778	0.208857	5.32E-06	0.07033	0.1291	0.173783	0.00016	0.082751	0.07401
0.988	0.181188	8.23E-05	0.083171	0.07255	0.161199	0.00047	0.058242	0.209

0.32302	0.061777	0.18263	-0.0422	0.36288	0.031701	0.49436	-0.03868	0.40426
0.75436	0.113126	0.01445	0.066106	0.15378	0.135182	0.00342	0.021454	0.64377
0.26194	0.15998	0.00052	0.086202	0.0627	0.125157	0.00677	0.095815	0.03847
0.53142	0.227424	6.81E-07	0.088164	0.05693	0.234498	2.97E-07	0.105007	0.02324
0.36185	0.141182	0.00223	0.051688	0.26496	0.106496	0.02135	0.057041	0.21856
0.38281	0.105193	0.023	0.033604	0.4688	0.087505	0.05882	0.053993	0.24421
0.62899	0.013751	0.76695	-0.00617	0.89425	0.003916	0.93274	0.003999	0.93132
0.91542	0.033555	0.46944	0.05886	0.2042	0.060803	0.18964	-0.00074	0.98732
0.68968	0.1205	0.00915	0.076676	0.09793	0.112571	0.01494	0.053998	0.24417
0.33588	0.140946	0.00227	0.071508	0.1228	0.085944	0.06349	0.079236	0.08719
0.00316	0.101234	0.02871	0.021105	0.64917	0.043209	0.35149	0.056005	0.22705
5.16E-06	0.107692	0.01992	-0.04158	0.37002	0.057935	0.21142	-0.03814	0.41087
0.47118	0.228491	6.02E-07	0.265264	5.83E-09	0.327787	3.70E-13	0.048218	0.29842
0.37888	0.143026	0.00195	0.061675	0.18336	0.118229	0.01056	0.061694	0.18322
0.08889	0.208975	5.26E-06	0.076925	0.09684	0.158164	0.0006	-0.01733	0.70869
0.75429	0.089625	0.05293	0.024955	0.59064	0.127983	0.00561	0.041888	0.36643
0.49514	0.072074	0.11986	0.050681	0.2744	0.071151	0.12468	0.002178	0.96256
0.57847	0.12404	0.00728	0.05326	0.25069	0.089877	0.05226	0.073769	0.11137
0.00061	0.104749	0.02359	0.008073	0.86186	0.036681	0.42905	0.05485	0.2368
0.13026	0.070148	0.1301	0.01905	0.68136	0.028071	0.54511	0.038098	0.41142
0.14388	0.048478	0.29583	0.026807	0.56337	0.09201	0.0469	0.044316	0.33928
0.70078	0.059364	0.20035	0.051202	0.26949	0.031896	0.49171	0.077821	0.093
0.25623	0.097424	0.03532	-0.0044	0.92445	0.049649	0.2843	0.009236	0.84221
0.3008	0.09734	0.03547	0.052284	0.25949	0.10406	0.02452	0.046399	0.31704
0.32823	0.193318	2.60E-05	0.105251	0.02292	0.147785	0.00136	0.104014	0.02459
0.08446	0.191325	3.15E-05	-0.01058	0.81971	0.08886	0.05499	-0.0421	0.36402
0.03291	0.139315	0.00255	0.0765	0.09871	0.095125	0.0399	0.088877	0.05495
0.30912	0.158126	0.0006	0.061306	0.18599	0.145787	0.00158	0.090272	0.05123
0.38343	0.015137	0.74422	-0.00703	0.87956	0.164202	0.00037	-0.0188	0.68525
0.49552	0.188472	4.15E-05	0.096175	0.03775	0.195996	1.99E-05	0.063969	0.16756
0.88133	0.119892	0.00951	0.117063	0.01135	0.195271	2.14E-05	0.082008	0.07666
0.34825	0.16307	0.0004	0.112853	0.01469	0.163846	0.00038	0.091619	0.04784
0.19782	0.1499	0.00116	-0.00971	0.83417	0.146851	0.00146	0.060399	0.1926
0.71793	0.217608	2.07E-06	0.103813	0.02487	0.199257	1.44E-05	0.107945	0.01963
0.00401	0.168425	0.00026	0.099571	0.03145	0.143666	0.00186	0.051967	0.26238
0.51729	-0.03063	0.50912	-0.00098	0.98315	0.074078	0.10988	-0.02264	0.62557
0.06754	-0.00954	0.83711	-0.09555	0.03902	-0.03623	0.43471	-0.08643	0.06201
0.73974	0.122742	0.00792	0.035062	0.44971	0.056504	0.22294	0.048055	0.30007
0.03625	0.1361	0.00321	0.024746	0.59375	0.078389	0.09063	-0.05795	0.21127
0.93952	0.135557	0.00333	0.040474	0.38285	0.108887	0.01858	0.048452	0.29609
0.03604	0.216234	2.40E-06	0.12126	0.00871	0.236311	2.39E-07	0.08086	0.08089
0.36077	0.181161	8.25E-05	0.101283	0.02863	0.189744	3.68E-05	0.128931	0.00526
0.23357	0.157496	0.00064	0.056902	0.21968	0.146754	0.00147	-0.00024	0.99581
0.70157	0.126524	0.00618	0.06572	0.15621	0.150644	0.00109	0.02869	0.53626
2.21E-05	0.037455	0.41937	-0.04215	0.36347	0.038935	0.40122	-0.06797	0.14249

0.87586	0.137719	0.00286	0.071389	0.12342	0.12743	0.00582	0.049637	0.28442
0.15212	0.29318	1.04E-10	0.355817	2.20E-15	0.376873	3.30E-17	0.139371	0.00254
0.9951	0.112564	0.01494	0.061983	0.18117	0.114087	0.01363	0.043455	0.34876
1.41E-51	0.445783	3.50E-24	0.375624	4.27E-17	0.296354	6.38E-11	0.787231	1.10E-99
1.30E-34	0.634142	6.68E-54	0.48397	8.58E-29	0.494149	4.01E-30	0.817588	#####
2.27E-24	0.479787	2.93E-28	0.337534	6.59E-14	0.296459	6.28E-11	0.668344	9.62E-62
2.83E-15	0.285814	3.14E-10	0.216272	2.39E-06	0.172258	0.00018	0.549765	3.07E-38
1.18E-18	0.386334	4.51E-18	0.258121	1.52E-08	0.205912	7.26E-06	0.557652	1.62E-39
0.2335	-0.0731	0.11466	-0.03977	0.3912	-0.14035	0.00237	0.438387	2.36E-23
1.53E-23	0.000378	0.9935	0.096187	0.03772	-0.02214	0.63319	0.564063	1.40E-40
1.11E-32	0.507961	5.31E-32	0.402249	1.37E-19	0.307191	1.16E-11	0.685793	3.68E-66
1.95E-21	0.093037	0.04448	0.117918	0.01076	-0.01744	0.70695	0.59538	3.94E-46
1.70E-08	0.271461	2.48E-09	0.33834	5.70E-14	0.259438	1.28E-08	0.645616	2.02E-56
2.45E-15	0.277671	1.03E-09	0.193166	2.64E-05	0.094854	0.04047	0.487011	3.47E-29
5.19E-17	0.402455	1.31E-19	0.372718	7.74E-17	0.351938	4.61E-15	0.700732	3.38E-70
8.67E-12	0.410129	2.26E-20	0.335476	9.54E-14	0.220253	1.54E-06	0.609195	8.89E-49
0.36606	0.367873	2.06E-16	0.281496	5.92E-10	0.263171	7.74E-09	0.405673	6.30E-20
0.04621	0.015217	0.74293	0.013063	0.77829	0.03647	0.4317	0.363685	4.74E-16
3.98E-26	0.373007	7.30E-17	0.356231	2.03E-15	0.255491	2.15E-08	0.736318	6.53E-81
6.60E-07	0.388418	2.89E-18	0.247751	5.82E-08	0.234751	2.88E-07	0.425964	5.22E-22
6.43E-13	0.247726	5.83E-08	0.199791	1.36E-05	0.246739	6.61E-08	0.559835	7.07E-40
2.00E-06	0.150833	0.00108	0.092738	0.04517	0.004676	0.91972	0.495929	2.32E-30
2.71E-05	0.300368	3.42E-11	0.193186	2.63E-05	0.119624	0.00967	0.563098	2.03E-40
0.74242	0.190268	3.49E-05	0.207781	5.96E-06	0.182738	7.13E-05	0.429551	2.16E-22
0.00019	0.241064	1.34E-07	0.117815	0.01083	0.108054	0.01951	0.410248	2.20E-20
5.87E-34	0.255118	2.26E-08	0.346008	1.40E-14	0.2233	1.09E-06	0.725722	1.52E-77
3.09E-06	-0.10882	0.01866	-0.0635	0.17073	-0.02424	0.60133	0.229817	5.16E-07
4.13E-05	-0.08914	0.05423	-0.05094	0.27193	-0.16463	0.00035	0.312747	4.69E-12
2.65E-06	0.40249	1.30E-19	0.249692	4.54E-08	0.221518	1.34E-06	0.603787	1.00E-47
0.00081	-0.09701	0.0361	0.084259	0.06888	0.022025	0.63497	0.449431	1.35E-24
0.1211	-0.20698	6.49E-06	-0.08174	0.07761	-0.14711	0.00143	0.304713	1.72E-11
1.47E-45	0.479024	3.66E-28	0.328269	3.40E-13	0.241785	1.23E-07	0.724151	4.65E-77
0.11045	-0.07327	0.11381	0.026099	0.57372	0.039825	0.39053	0.360492	8.88E-16
2.11E-10	0.124795	0.00693	-0.00742	0.87295	-0.04623	0.31887	0.319806	1.45E-12
4.06E-40	0.436464	3.84E-23	0.395545	6.11E-19	0.257559	1.64E-08	0.685772	3.72E-66
0.33156	0.045324	0.32841	-0.00435	0.92529	-0.03791	0.41378	0.27442	1.63E-09
5.46E-07	0.216865	2.24E-06	0.096074	0.03795	-0.0157	0.73505	0.41788	3.67E-21
1.49E-48	0.22544	8.56E-07	0.328483	3.27E-13	0.223108	1.12E-06	0.706604	7.44E-72
2.60E-17	0.30319	2.19E-11	0.279812	7.56E-10	0.180148	9.05E-05	0.692023	8.16E-68
0.00341	0.124638	0.007	0.233995	3.15E-07	0.166799	0.00029	0.557174	1.94E-39
0.50957	-0.08216	0.07612	-0.09029	0.05118	-0.15877	0.00057	0.22135	1.36E-06
0.00502	0.105134	0.02308	0.072159	0.11942	0.04618	0.31933	0.266028	5.25E-09
4.56E-15	0.564495	1.18E-40	0.41346	1.04E-20	0.452646	5.73E-25	0.654221	2.21E-58
0.00155	0.177321	0.00012	0.133524	0.00384	0.063836	0.16844	0.384129	7.21E-18
0.01424	-0.16171	0.00045	0.09084	0.04978	-0.06371	0.16928	0.409337	2.72E-20

2.93E-15	0.487078	3.40E-29	0.419726	2.36E-21	0.340874	3.60E-14	0.561526	3.71E-40
2.91E-22	0.244979	8.24E-08	0.039388	0.39575	0.057203	0.21725	0.460107	7.63E-26
0.05765	0.164442	0.00036	0.168766	0.00025	0.129654	0.00501	0.401731	1.54E-19
2.08E-17	0.188535	4.13E-05	0.259282	1.30E-08	0.180445	8.81E-05	0.555415	3.76E-39
0.16492	-0.21411	3.03E-06	-0.06559	0.15705	-0.21052	4.46E-06	0.244187	9.10E-08
4.08E-30	0.557559	1.68E-39	0.49606	2.23E-30	0.43339	8.33E-23	0.729529	9.78E-79
5.05E-14	0.183346	6.74E-05	0.145619	0.0016	0.019922	0.66763	0.452663	5.71E-25
3.30E-26	0.37191	9.12E-17	0.488999	1.91E-29	0.384105	7.25E-18	0.78262	8.88E-98
1.46E-13	0.403346	1.07E-19	0.369057	1.62E-16	0.277319	1.08E-09	0.660651	6.87E-60
3.50E-13	0.292096	1.22E-10	0.286142	2.99E-10	0.165134	0.00034	0.43203	1.17E-22
5.24E-06	0.023015	0.61984	0.211284	4.11E-06	0.090927	0.04956	0.529448	4.24E-35
4.09E-26	0.196083	1.98E-05	0.272254	2.22E-09	0.086131	0.06292	0.522347	4.74E-34
1.42E-14	0.289624	1.78E-10	0.421815	1.43E-21	0.3479	9.85E-15	0.655876	9.12E-59
0.00056	0.296194	6.54E-11	0.227473	6.77E-07	0.246636	6.69E-08	0.522679	4.24E-34
1.58E-15	0.387382	3.61E-18	0.36589	3.06E-16	0.272856	2.04E-09	0.660429	7.76E-60
0.99155	0.145936	0.00157	0.233755	3.24E-07	0.18779	4.43E-05	0.428639	2.71E-22
0.40383	0.080047	0.084	0.077378	0.09489	0.071605	0.12229	0.401161	1.75E-19
0.01179	0.52356	3.15E-34	0.3688	1.71E-16	0.34329	2.31E-14	0.474674	1.29E-27
0.44384	0.133977	0.00372	0.149643	0.00118	0.081096	0.08	0.447658	2.15E-24
1.29E-40	0.303937	1.95E-11	0.341857	3.01E-14	0.219466	1.68E-06	0.660136	9.10E-60
0.0002	-0.07399	0.11032	-0.07324	0.11394	-0.1744	0.00015	0.430271	1.81E-22
0.00581	0.352998	3.77E-15	0.140836	0.00228	0.16385	0.00038	0.416796	4.74E-21
2.94E-07	0.318998	1.66E-12	0.243663	9.71E-08	0.242954	1.06E-07	0.646245	1.46E-56
1.17E-10	0.007763	0.86712	0.015425	0.73955	-0.13011	0.00486	0.328695	3.16E-13
1.16E-26	0.457581	1.52E-25	0.44117	1.16E-23	0.412413	1.33E-20	0.716275	1.13E-74
0.00141	-0.35176	4.77E-15	-0.15545	0.00075	-0.24228	1.15E-07	0.151264	0.00104
8.13E-10	0.144618	0.00173	0.19372	2.50E-05	0.106067	0.02188	0.448311	1.81E-24
1.16E-28	0.292045	1.23E-10	0.343134	2.38E-14	0.301382	2.92E-11	0.723282	8.60E-77
0.43379	-0.09515	0.03985	0.085317	0.06546	-0.06702	0.14815	0.396821	4.61E-19
0.02485	0.027568	0.55234	0.141429	0.00219	0.112654	0.01486	0.540328	9.38E-37
2.63E-29	0.240839	1.38E-07	0.178704	0.0001	0.040549	0.38196	0.461548	5.14E-26
0.08293	-0.07639	0.09919	0.200793	1.23E-05	0.138415	0.00272	0.371478	9.96E-17
5.46E-10	0.223249	1.10E-06	0.197558	1.71E-05	0.117641	0.01095	0.502477	3.03E-31
1.32E-53	0.408346	3.41E-20	0.373782	6.23E-17	0.269621	3.20E-09	0.697765	2.24E-69
5.08E-28	0.269351	3.32E-09	0.231949	4.01E-07	0.034832	0.45269	0.61923	8.77E-51
0.9737	0.156966	0.00066	0.118711	0.01024	0.095162	0.03982	0.364035	4.43E-16
5.16E-32	0.39535	6.38E-19	0.300822	3.18E-11	0.220371	1.52E-06	0.647904	6.17E-57
1.58E-20	0.458967	1.04E-25	0.330885	2.15E-13	0.279956	7.40E-10	0.721213	3.69E-76
4.50E-25	0.291459	1.35E-10	0.332654	1.57E-13	0.237549	2.06E-07	0.67674	7.86E-64
1.42E-14	0.180347	8.89E-05	0.155261	0.00076	0.071508	0.1228	0.498891	9.29E-31
2.25E-45	0.530536	2.91E-35	0.436022	4.30E-23	0.377141	3.12E-17	0.774739	1.26E-94
9.72E-19	0.189316	3.83E-05	0.238119	1.92E-07	0.074179	0.10939	0.579601	2.93E-43
6.23E-23	0.338132	5.92E-14	0.353472	3.44E-15	0.279805	7.57E-10	0.64394	4.79E-56
1.09E-12	0.030476	0.5112	0.077215	0.09559	-0.11355	0.01408	0.41906	2.77E-21
3.60E-15	0.150867	0.00107	0.134475	0.0036	0.069215	0.1353	0.523003	3.80E-34

3.12E-19	0.366298	2.82E-16	0.332367	1.66E-13	0.250906	3.89E-08	0.669744	4.36E-62
4.94E-27	0.416696	4.86E-21	0.366909	2.50E-16	0.346378	1.31E-14	0.715316	2.17E-74
1.45E-07	0.557206	1.92E-39	0.334861	1.06E-13	0.325236	5.74E-13	0.611172	3.63E-49
6.46E-10	0.244903	8.32E-08	0.199724	1.37E-05	0.139094	0.00259	0.649751	2.35E-57
0.88264	0.019363	0.67642	0.1814	8.07E-05	0.122755	0.00791	0.459372	9.33E-26
2.04E-41	0.48659	3.94E-29	0.373439	6.68E-17	0.31801	1.96E-12	0.773559	3.65E-94
0.12267	0.342891	2.49E-14	0.313475	4.16E-12	0.271741	2.38E-09	0.479796	2.93E-28
7.51E-15	0.463197	3.26E-26	0.385818	5.04E-18	0.269715	3.16E-09	0.62954	6.38E-53
0.24852	0.098245	0.03379	0.119856	0.00953	0.083577	0.07116	0.325154	5.83E-13

MMyellowp	MMyell	MMtan	p.MMt看	MMlightyp	MMligh	MMorange	p.MMorar	MMplum1
0.121715	0.00846	0.053112	0.25201	0.235223	2.72E-07	0.139075	0.0026	0.23673
-0.16841	0.00026	-0.11604	0.0121	-0.0234	0.61402	0.077605	0.09392	-0.03488
-0.08985	0.05234	-0.08158	0.0782	-0.0655	0.15759	-0.00701	0.87987	-0.04957
-0.08251	0.07488	-0.05322	0.25106	0.055547	0.23088	0.129004	0.00524	0.025393
-0.21642	2.35E-06	-0.06844	0.13974	-0.0677	0.14409	0.037515	0.41862	-0.01714
-0.06451	0.164	-0.07317	0.11432	0.037087	0.42395	0.05139	0.26773	0.043119
0.016092	0.72871	0.029546	0.52417	0.098151	0.03396	0.075094	0.10508	0.134698
-0.07233	0.11853	-0.07373	0.11154	0.053942	0.24466	0.060881	0.18907	-0.00396
-0.07065	0.12736	-0.03572	0.44128	0.020488	0.65878	0.06454	0.16379	-0.01314
-0.07609	0.10053	-0.04964	0.28441	-0.04101	0.37655	0.007504	0.87152	0.000609
-0.02847	0.53936	-0.06831	0.14046	0.031121	0.50229	0.022402	0.62919	0.02708
0.029659	0.52259	-0.00051	0.99118	0.053002	0.25299	0.053997	0.24418	0.078881
-0.10814	0.01941	-0.06257	0.17708	-0.07722	0.09556	0.013319	0.77406	-0.01738
-0.00216	0.96287	-0.12314	0.00772	0.151333	0.00104	0.071161	0.12463	0.111761
-0.08882	0.05511	-0.07102	0.12539	0.0263	0.57076	0.05245	0.25797	-0.00751
-0.05252	0.25738	-0.05522	0.23368	0.006364	0.89091	0.069849	0.13175	-0.01149
-0.03063	0.50903	-0.1274	0.00583	-0.03582	0.43994	-0.02641	0.56909	0.000247
-0.06539	0.15833	-0.05039	0.27713	0.072486	0.11775	0.06839	0.14003	0.063138
0.022942	0.62094	0.042084	0.36419	0.013939	0.76385	0.028946	0.53264	0.017031
-0.01145	0.80515	-0.04573	0.32407	0.033291	0.47295	0.060482	0.19199	-0.00366
-0.00383	0.93414	0.02985	0.51991	0.047048	0.31032	0.03204	0.48974	0.098303
-0.09895	0.03253	-0.15761	0.00063	-0.18699	4.78E-05	-0.14724	0.00142	-0.09022
0.058584	0.20634	0.028135	0.54418	0.160582	0.00049	0.13185	0.00432	0.132443
0.065941	0.15482	0.034777	0.4534	0.07482	0.10635	0.099178	0.03213	0.048626
-0.04077	0.37935	0.066136	0.1536	0.001322	0.97726	0.046828	0.31259	-0.00852
-0.11004	0.01736	-0.07299	0.11522	0.078205	0.0914	0.116942	0.01144	0.076482
-0.06639	0.15203	-0.15729	0.00065	-0.00394	0.93233	-0.01802	0.69773	0.004677
-0.06952	0.13359	-0.02522	0.58664	0.050338	0.27767	0.06107	0.18769	0.056017
-0.03388	0.46517	-0.00078	0.98663	-0.01963	0.67228	0.022809	0.62297	-0.02085
-0.14321	0.00192	-0.06482	0.16194	-0.13406	0.0037	-0.0098	0.83267	-0.1309
-0.16059	0.00049	-0.09532	0.03949	-0.03981	0.39073	0.064947	0.16114	-0.05035
-0.07206	0.11994	-0.02891	0.53314	0.083565	0.07121	0.142852	0.00197	0.086124
-0.1494	0.0012	-0.06828	0.14069	0.032255	0.48683	0.147929	0.00135	-8.65E-05
-0.10997	0.01744	-0.04323	0.35124	-0.03361	0.46877	0.038301	0.40893	-0.04969
-0.01	0.82928	-0.09642	0.03725	0.140781	0.00229	0.054323	0.24134	0.074143
-0.10024	0.03032	-0.14779	0.00136	-0.06668	0.15025	0.007181	0.877	-0.06394
-0.07464	0.10722	-0.03355	0.46949	0.063401	0.17137	0.106447	0.02141	0.067744
-0.05339	0.24954	0.053777	0.24611	-0.02163	0.64099	0.063897	0.16804	-0.03514
-0.09364	0.04312	-0.08071	0.08143	-0.01499	0.74657	0.055953	0.22749	-0.01836
-0.02442	0.59868	-0.03972	0.39175	0.168065	0.00026	0.158107	0.00061	0.143375
-0.10397	0.02464	-0.12744	0.00582	-0.02877	0.53518	0.019567	0.67321	-0.02994
-0.11444	0.01334	-0.04437	0.33865	0.027679	0.55074	0.107252	0.02044	-0.00519
0.104773	0.02355	0.044839	0.33361	0.392648	1.15E-18	0.148532	0.00129	0.443112
0.379453	1.93E-17	0.249155	4.87E-08	0.491773	8.27E-30	0.289029	1.95E-10	0.457994

0.06244	0.17797	-0.18086	8.48E-05	0.330333	2.37E-13	0.119801	0.00956	0.125354
0.004529	0.92224	-0.23732	2.11E-07	0.245027	8.19E-08	0.188978	3.96E-05	0.042245
0.010137	0.82706	-0.1669	0.00029	0.176566	0.00013	-0.05649	0.22309	0.14011
0.117415	0.01111	0.083447	0.0716	0.361026	8.00E-16	0.229295	5.48E-07	0.262545
0.119516	0.00973	-0.09269	0.04529	0.314357	3.60E-12	0.149544	0.00119	0.209398
0.262345	8.65E-09	0.004549	0.9219	0.310512	6.76E-12	0.199867	1.35E-05	0.174907
0.350382	6.18E-15	0.11848	0.01039	0.436099	4.21E-23	0.136905	0.00303	0.362778
0.146348	0.00152	-0.20134	1.16E-05	0.391237	1.57E-18	0.063403	0.17136	0.269309
0.254218	2.54E-08	0.012691	0.78445	0.38065	1.50E-17	0.213339	3.29E-06	0.208029
0.280145	7.20E-10	0.008923	0.8475	0.402702	1.24E-19	0.196777	1.84E-05	0.244513
0.321629	1.06E-12	0.195676	2.06E-05	0.474406	1.39E-27	0.229687	5.23E-07	0.368206
0.128256	0.00551	-0.14796	0.00134	0.450234	1.09E-24	0.236511	2.33E-07	0.259602
0.280383	6.96E-10	0.02445	0.59817	0.599419	6.84E-47	0.16783	0.00027	0.531233
0.276393	1.23E-09	0.070271	0.12943	0.574334	2.46E-42	0.297826	5.08E-11	0.413829
0.63273	1.34E-53	0.124086	0.00726	0.470714	3.98E-27	0.140825	0.00229	0.389773
0.322615	9.00E-13	0.054945	0.23599	0.449391	1.36E-24	0.219576	1.66E-06	0.229343
0.070576	0.12777	-0.26576	5.44E-09	0.13086	0.00462	-0.03787	0.41421	0.024329
0.418746	2.98E-21	0.166805	0.00029	0.626866	2.33E-52	0.339181	4.90E-14	0.578433
-0.03254	0.48297	-0.26283	8.11E-09	0.262308	8.69E-09	0.067473	0.14544	0.160951
-0.05874	0.20511	0.170798	0.00021	-0.2392	1.68E-07	0.018906	0.68364	-0.10613
0.261898	9.19E-09	0.160478	0.0005	0.653826	2.73E-58	0.309036	8.59E-12	0.583157
0.139201	0.00257	-0.07097	0.12565	0.411358	1.70E-20	0.219588	1.66E-06	0.219837
0.249202	4.84E-08	-0.02668	0.56522	0.513508	8.84E-33	0.283437	4.46E-10	0.371043
0.009918	0.83074	0.008537	0.85402	-0.26368	7.22E-09	-0.19352	2.55E-05	-0.11604
0.122834	0.00787	0.140878	0.00228	0.389036	2.53E-18	0.20819	5.71E-06	0.348117
0.002605	0.95522	0.021979	0.63568	0.328924	3.03E-13	0.222428	1.21E-06	0.237988
0.201013	1.20E-05	0.077192	0.09568	0.363984	4.47E-16	0.274751	1.56E-09	0.14707
0.12069	0.00904	-0.08914	0.05422	0.327248	4.06E-13	0.07506	0.10523	0.233501
0.192189	2.90E-05	-0.01343	0.77229	0.477683	5.41E-28	0.181964	7.66E-05	0.403067
-0.00922	0.84241	-0.21669	2.28E-06	0.289414	1.84E-10	0.074136	0.1096	0.150151
0.080087	0.08384	-0.13589	0.00326	0.199021	1.47E-05	-0.0031	0.9467	0.189187
0.26288	8.05E-09	-0.10486	0.02344	0.558896	1.01E-39	0.205587	7.51E-06	0.453304
0.257378	1.68E-08	-0.06406	0.16693	0.428439	2.85E-22	0.091674	0.04771	0.37771
-0.28051	6.83E-10	-0.09026	0.05126	-0.46217	4.33E-26	-0.20846	5.55E-06	-0.35022
0.121559	0.00855	-0.0325	0.48356	0.530225	3.24E-35	0.37316	7.07E-17	0.353186
0.36706	2.43E-16	0.034093	0.46234	0.675282	1.83E-63	0.331743	1.85E-13	0.467002
0.183185	6.84E-05	0.034075	0.46258	0.376847	3.32E-17	0.198744	1.51E-05	0.28608
0.07558	0.10283	0.444129	5.39E-24	-0.10171	0.02796	0.186218	5.15E-05	-0.02351
0.320647	1.26E-12	0.116308	0.0119	0.502642	2.87E-31	0.146871	0.00146	0.457255
-0.0018	0.96909	-0.11749	0.01106	0.237286	2.12E-07	0.133038	0.00398	0.161144
0.207219	6.33E-06	-0.18253	7.27E-05	0.481944	1.56E-28	0.129966	0.00491	0.351191
0.196662	1.87E-05	0.125968	0.00642	0.265384	5.73E-09	0.140015	0.00242	0.260881
0.256513	1.88E-08	0.001888	0.96755	0.591411	2.15E-45	0.374361	5.53E-17	0.409832
0.396553	4.89E-19	-0.0219	0.63685	0.456035	2.31E-25	0.302424	2.47E-11	0.376577
0.135292	0.0034	-0.06828	0.14066	0.237341	2.11E-07	0.078261	0.09116	0.151799



0.125052	0.00681	-0.00745	0.87244	0.278202	9.53E-10	0.099932	0.03084	0.226378
0.154793	0.00079	0.000949	0.98369	0.384299	6.96E-18	0.20497	8.00E-06	0.186137
0.225764	8.24E-07	0.099061	0.03233	0.579388	3.19E-43	0.255619	2.11E-08	0.651003
0.097747	0.03471	-0.2282	6.22E-07	0.392822	1.11E-18	-0.03025	0.51431	0.305473
0.319531	1.52E-12	0.102339	0.027	0.660679	6.77E-60	0.312181	5.15E-12	0.478565
0.438677	2.19E-23	-0.09273	0.04519	0.587838	9.72E-45	0.284683	3.71E-10	0.477912
0.224447	9.58E-07	0.006719	0.88485	0.373597	6.47E-17	0.131098	0.00454	0.289153
0.111282	0.01613	-0.08275	0.07403	0.429589	2.14E-22	0.266496	4.92E-09	0.253937
0.327855	3.65E-13	0.000211	0.99638	0.500983	4.84E-31	0.121599	0.00853	0.467185
0.295495	7.29E-11	0.105033	0.02321	0.462023	4.51E-26	0.326949	4.27E-13	0.407183
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0.30512	1.61E-11	0.156178	0.00071	0.514088	7.32E-33	0.184157	6.25E-05	0.456308
0.049181	0.28887	-0.08787	0.05777	0.29959	3.86E-11	0.115286	0.01267	0.344851
0.25327	2.87E-08	0.105062	0.02317	0.54103	7.30E-37	0.323872	7.26E-13	0.422016
0.19337	2.58E-05	0.054481	0.23997	0.028333	0.54135	-0.1289	0.00527	0.049753
0.162663	0.00042	-1.41E-05	0.99976	0.306231	1.35E-11	0.198561	1.54E-05	0.172389
0.337249	6.94E-14	0.089544	0.05314	0.440826	1.26E-23	0.142176	0.00207	0.359697
0.153123	0.0009	0.041612	0.3696	0.476495	7.63E-28	0.360323	9.18E-16	0.369122
0.504535	1.58E-31	0.007577	0.87027	0.434181	6.83E-23	0.237396	2.09E-07	0.325087
0.139541	0.00251	-0.04283	0.35578	0.210731	4.36E-06	-0.01263	0.78548	0.234427
0.119489	0.00975	0.066081	0.15394	-0.31832	1.86E-12	-0.08635	0.06226	-0.19731
0.004314	0.92592	-0.16054	0.0005	0.347293	1.10E-14	0.134221	0.00366	0.243068
-0.20167	1.12E-05	0.070872	0.12617	-0.60809	1.46E-48	-0.25017	4.28E-08	-0.48012
0.288763	2.02E-10	0.022932	0.62109	0.623228	1.33E-51	0.298523	4.56E-11	0.48222
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0.004169	0.9284	-0.24993	4.41E-08	0.039335	0.39639	-0.24267	1.10E-07	0.044588
0.13353	0.00384	-0.08243	0.07513	0.217245	2.15E-06	0.196838	1.83E-05	0.081679
0.088879	0.05494	-0.10508	0.02314	0.407831	3.84E-20	0.257543	1.64E-08	0.235101
0.288804	2.01E-10	0.093442	0.04356	0.483412	1.01E-28	0.128764	0.00532	0.371492
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0.042491	0.35957	-0.28666	2.77E-10	0.071893	0.12079	-0.10613	0.0218	0.024406
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0.098458	0.03341	0.054539	0.23947	-0.24	1.53E-07	-0.18898	3.96E-05	-0.08285
-0.03671	0.4287	0.172898	0.00017	-0.3481	9.49E-15	-0.13959	0.0025	-0.27018
0.16973	0.00023	-0.0933	0.04389	0.409026	2.92E-20	0.133601	0.00382	0.266666
0.058436	0.20749	0.237681	2.02E-07	-0.09097	0.04945	0.176921	0.00012	-0.05365
0.231239	4.36E-07	-0.02446	0.59803	0.294839	8.06E-11	0.19282	2.73E-05	0.229711
-0.1143	0.01345	0.082388	0.07529	-0.26369	7.22E-09	-0.13634	0.00315	-0.10136
-0.04757	0.305	0.084824	0.06703	-0.27857	9.05E-10	-0.15946	0.00054	-0.1358
-0.11805	0.01068	-0.06683	0.14933	-0.42919	2.37E-22	-0.24726	6.19E-08	-0.40902
0.080721	0.08141	-0.05279	0.25493	0.349619	7.14E-15	0.219295	1.71E-06	0.283594
0.164563	0.00036	0.01469	0.75152	0.287536	2.43E-10	0.211379	4.07E-06	0.169334
0.326022	5.02E-13	0.164393	0.00036	0.576561	1.00E-42	0.308506	9.36E-12	0.515426
0.357447	1.61E-15	0.070878	0.12614	0.460634	6.61E-26	0.176729	0.00012	0.363383
0.29281	1.10E-10	0.123602	0.00749	0.635766	2.98E-54	0.378783	2.22E-17	0.515566

-0.28209	5.43E-10	-0.05	0.28093	-0.49664	1.86E-30	-0.14316	0.00193	-0.44565
0.301273	2.97E-11	0.012398	0.7893	0.613569	1.21E-49	0.231631	4.17E-07	0.507751
-0.18351	6.64E-05	0.178006	0.00011	-0.50686	7.56E-32	-0.18279	7.09E-05	-0.36381
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0.059283	0.20097	0.289209	1.89E-10	-0.1649	0.00035	-0.0501	0.27995	-0.01543
-0.2413	1.30E-07	-0.0959	0.03829	-0.40164	1.57E-19	-0.20284	9.98E-06	-0.3222
0.13909	0.00259	0.057972	0.21112	0.495833	2.39E-30	0.244819	8.41E-08	0.438839
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0.195303	2.14E-05	0.05288	0.25409	0.573661	3.22E-42	0.432352	1.08E-22	0.384871
0.406792	4.88E-20	0.156767	0.00067	0.741583	1.21E-82	0.377967	2.63E-17	0.619832
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0.361108	7.87E-16	0.215854	2.50E-06	0.685777	3.71E-66	0.395235	6.54E-19	0.50787
0.219489	1.68E-06	0.03783	0.41472	0.302424	2.47E-11	0.140541	0.00233	0.203775
0.089888	0.05223	0.004574	0.92147	0.208854	5.32E-06	0.173032	0.00017	0.09105
0.554379	5.54E-39	0.126287	0.00628	0.533561	1.02E-35	0.306467	1.30E-11	0.410245
-0.01828	0.69362	-0.13318	0.00394	-0.35393	3.15E-15	-0.17425	0.00015	-0.33804
0.258543	1.44E-08	0.099901	0.03089	0.473163	1.99E-27	0.255094	2.26E-08	0.412449
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0.329569	2.71E-13	0.135193	0.00342	0.635245	3.86E-54	0.402972	1.16E-19	0.477782
0.20113	1.19E-05	0.131297	0.00448	0.370963	1.11E-16	0.138112	0.00278	0.27218
0.056161	0.22576	-0.10703	0.0207	0.264651	6.33E-09	0.143593	0.00187	0.136595
-0.05327	0.25059	0.050326	0.27777	-0.37213	8.72E-17	-0.20847	5.55E-06	-0.22136
0.232572	3.73E-07	0.060001	0.19555	0.451847	7.09E-25	0.222914	1.14E-06	0.367948
0.110071	0.01734	0.00266	0.95428	0.43185	1.22E-22	0.314846	3.32E-12	0.230372
0.19241	2.84E-05	-0.05084	0.27286	0.350806	5.71E-15	0.006272	0.89248	0.328402
0.248799	5.09E-08	-0.08723	0.05963	0.54992	2.90E-38	0.140515	0.00234	0.387149
0.221005	1.41E-06	0.539101	1.45E-36	-0.08732	0.05934	0.174777	0.00015	-0.01096
0.003906	0.93291	0.010997	0.81265	0.400554	2.01E-19	0.235678	2.58E-07	0.241172
-0.23233	3.84E-07	-0.0962	0.0377	-0.48055	2.35E-28	-0.29655	6.20E-11	-0.46928
0.206638	6.73E-06	0.132514	0.00412	0.431522	1.33E-22	0.266615	4.84E-09	0.378703
0.132367	0.00416	0.096136	0.03782	0.374444	5.44E-17	0.374118	5.81E-17	0.103764
-0.02174	0.63942	-0.22601	8.02E-07	0.360147	9.50E-16	0.239198	1.68E-07	0.162014
0.146758	0.00147	0.05314	0.25175	0.344167	1.97E-14	0.228514	6.00E-07	0.276246
0.009121	0.84416	-0.28068	6.67E-10	0.233289	3.43E-07	0.105708	0.02233	0.101139
-0.23302	3.53E-07	-0.07342	0.1131	-0.33526	9.91E-14	-0.21575	2.53E-06	-0.21693
0.290713	1.51E-10	0.216147	2.43E-06	0.665385	5.04E-61	0.446889	2.63E-24	0.532681
0.297369	5.46E-11	-0.03185	0.49237	0.634419	5.82E-54	0.289771	1.74E-10	0.424167
0.327455	3.92E-13	0.15517	0.00077	0.61392	1.03E-49	0.344812	1.75E-14	0.444362
0.216041	2.45E-06	0.056738	0.22102	0.381251	1.32E-17	0.095865	0.03837	0.312685
0.069463	0.1339	0.203029	9.79E-06	-0.16858	0.00025	-0.03311	0.47541	-0.02451
0.299126	4.15E-11	0.052464	0.25784	0.408135	3.58E-20	0.239682	1.59E-07	0.311118
0.245465	7.75E-08	-0.03019	0.51513	0.502765	2.77E-31	0.193089	2.66E-05	0.343149
0.255743	2.08E-08	-0.00336	0.94227	0.607264	2.12E-48	0.31693	2.35E-12	0.448994

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0.298254	4.76E-11	0.087898	0.05768	0.48953	1.63E-29	0.355399	2.38E-15	0.276883
0.233695	3.26E-07	0.080331	0.0829	0.511712	1.59E-32	0.297883	5.04E-11	0.388157
-0.076	0.10095	-0.20984	4.80E-06	0.020524	0.65822	-0.19658	1.88E-05	0.007169
0.31705	2.30E-12	0.207363	6.23E-06	0.559111	9.31E-40	0.470366	4.40E-27	0.376915
0.030595	0.50955	-0.21428	2.97E-06	0.370591	1.19E-16	0.170905	0.00021	0.241183
0.133455	0.00386	-0.16079	0.00049	0.199392	1.42E-05	0.020439	0.65954	0.175986
0.037362	0.42052	-0.1864	5.06E-05	0.106173	0.02175	-0.08067	0.0816	0.111661
0.214127	3.02E-06	0.100343	0.03015	0.399332	2.64E-19	0.186158	5.18E-05	0.373609
0.248206	5.49E-08	0.007105	0.8783	0.396879	4.55E-19	0.06929	0.13488	0.267771
0.196159	1.96E-05	-0.05351	0.24845	0.446311	3.05E-24	0.199264	1.44E-05	0.412983
0.285719	3.19E-10	0.031083	0.50281	0.631703	2.22E-53	0.239508	1.62E-07	0.509156
-0.11473	0.01311	0.149727	0.00117	-0.36611	2.93E-16	-0.15462	0.0008	-0.21818
0.02919	0.52919	-0.21544	2.62E-06	0.3508	5.71E-15	0.194129	2.40E-05	0.180657
0.345531	1.53E-14	0.161512	0.00046	0.752353	2.51E-86	0.430971	1.52E-22	0.583348
0.050721	0.27402	-0.29725	5.56E-11	0.367649	2.16E-16	0.077409	0.09475	0.284165
0.236615	2.30E-07	-0.11157	0.01586	0.327015	4.23E-13	0.000771	0.98674	0.242889
0.182639	7.20E-05	-0.0341	0.46225	0.182689	7.16E-05	0.024789	0.59311	0.026779
0.300298	3.46E-11	0.098963	0.03251	0.516075	3.81E-33	0.313946	3.85E-12	0.362861
-0.03665	0.42942	-0.08492	0.06674	0.211776	3.90E-06	0.042431	0.36024	0.192119
0.193753	2.49E-05	0.011235	0.80866	0.219516	1.67E-06	0.088345	0.05642	0.118221
0.216388	2.36E-06	0.180252	8.97E-05	0.528309	6.27E-35	0.431314	1.40E-22	0.378279
0.262851	8.08E-09	0.082092	0.07635	0.588894	6.24E-45	0.344404	1.89E-14	0.416598
0.22898	5.68E-07	-0.0214	0.64467	0.665943	3.70E-61	0.39249	1.19E-18	0.481533
0.26463	6.35E-09	0.054893	0.23643	0.601938	2.27E-47	0.346566	1.26E-14	0.411633
0.125405	0.00666	-0.06964	0.13291	0.387727	3.35E-18	0.205437	7.62E-06	0.255247
0.032417	0.48464	-0.14898	0.00124	0.346531	1.27E-14	0.195043	2.19E-05	0.225644
0.229183	5.55E-07	-0.12526	0.00672	0.3277	3.75E-13	0.05131	0.26847	0.225165
0.086394	0.06211	-0.28862	2.07E-10	0.198921	1.49E-05	-0.05377	0.24617	0.008703
0.064033	0.16714	-0.16988	0.00023	0.198484	1.55E-05	0.007458	0.87229	0.068488
0.255963	2.02E-08	-0.00505	0.91335	0.645365	2.30E-56	0.425268	6.19E-22	0.432182
0.260337	1.13E-08	0.1008	0.0294	0.379197	2.04E-17	0.174699	0.00015	0.311359
0.125375	0.00667	-0.01369	0.76789	0.35103	5.47E-15	0.179791	9.35E-05	0.32827
0.054509	0.23973	0.41851	3.16E-21	-0.195	2.20E-05	0.003754	0.93551	-0.05111
0.009814	0.83248	0.021465	0.6436	0.306164	1.37E-11	0.178414	0.00011	0.245462
0.066119	0.1537	-0.04644	0.31663	0.290783	1.49E-10	0.136349	0.00315	0.23007
0.26306	7.86E-09	0.069545	0.13344	0.531143	2.36E-35	0.33757	6.55E-14	0.442499
0.317535	2.12E-12	0.070948	0.12577	0.541049	7.25E-37	0.203771	9.06E-06	0.377253
0.073967	0.11041	-0.07348	0.11277	0.205017	7.97E-06	0.081397	0.07888	0.227778
-0.08875	0.0553	-0.22615	7.89E-07	0.088578	0.05577	0.011892	0.79772	0.043475
0.236531	2.32E-07	0.079585	0.0858	0.487494	3.01E-29	0.359592	1.06E-15	0.288772
0.164398	0.00036	-0.14352	0.00188	0.436057	4.26E-23	0.087821	0.05791	0.350387
0.379056	2.10E-17	0.199558	1.39E-05	0.497072	1.63E-30	0.252044	3.36E-08	0.43354
0.122338	0.00813	0.476273	8.13E-28	0.076306	0.09957	0.46215	4.36E-26	0.028519

0.262786	8.15E-09	0.186736	4.90E-05	0.376337	3.68E-17	0.241438	1.28E-07	0.324555
0.204183	8.69E-06	0.065886	0.15516	0.424482	7.50E-22	0.159483	0.00054	0.322735
0.199958	1.34E-05	0.066929	0.14871	0.597807	1.38E-46	0.383201	8.78E-18	0.480469
-0.05133	0.26831	0.157749	0.00062	-0.36549	3.32E-16	-0.09597	0.03817	-0.28601
0.547681	6.60E-38	0.02099	0.65096	0.604304	7.96E-48	0.337784	6.30E-14	0.501832
0.066999	0.14829	-0.18597	5.27E-05	0.262486	8.49E-09	0.098339	0.03362	0.211272
0.351216	5.28E-15	0.101471	0.02834	0.491256	9.68E-30	0.196315	1.93E-05	0.433767
0.180684	8.62E-05	0.02015	0.66406	0.290768	1.50E-10	0.13825	0.00275	0.170935
0.195407	2.11E-05	0.002504	0.95697	0.564696	1.09E-40	0.342884	2.49E-14	0.466688
0.187015	4.77E-05	0.394717	7.33E-19	-0.03774	0.41579	0.210434	4.50E-06	-0.07192
0.244129	9.16E-08	0.166042	0.00031	0.573642	3.24E-42	0.274636	1.59E-09	0.503404
0.179458	9.64E-05	-0.02456	0.5965	0.427498	3.59E-22	0.209263	5.10E-06	0.370441
0.012587	0.78617	-0.34358	2.19E-14	0.003007	0.94833	-0.12144	0.00861	-0.05308
-0.11156	0.01587	0.004998	0.91422	-0.31792	1.99E-12	-0.05802	0.21072	-0.24963
0.211349	4.08E-06	-0.1608	0.00049	0.177644	0.00011	-0.02656	0.56703	0.061107
0.281126	6.25E-10	0.078273	0.09111	0.585923	2.16E-44	0.383241	8.71E-18	0.454465
0.245867	7.37E-08	-0.06503	0.16061	0.439237	1.90E-23	0.129263	0.00515	0.370598
0.266978	4.61E-09	-0.06536	0.15846	0.531658	1.98E-35	0.133727	0.00379	0.402842
0.071123	0.12483	-0.2156	2.58E-06	0.220118	1.56E-06	0.014059	0.76187	0.100391
-0.10426	0.02424	0.127711	0.00571	-0.28824	2.19E-10	-0.06622	0.15308	-0.24063
0.082791	0.07387	-0.19398	2.43E-05	0.27715	1.11E-09	0.117214	0.01125	0.134342
0.272566	2.12E-09	0.045635	0.32509	0.715097	2.52E-74	0.384029	7.37E-18	0.573046
0.129789	0.00497	-0.07845	0.09038	0.326566	4.57E-13	0.228951	5.70E-07	0.242347
0.157219	0.00065	0.194983	2.20E-05	0.452876	5.39E-25	0.377793	2.73E-17	0.259544
0.215856	2.50E-06	0.068494	0.13942	0.6733	5.75E-63	0.448893	1.55E-24	0.505014
0.241144	1.33E-07	0.005928	0.89834	0.393247	1.01E-18	0.292279	1.19E-10	0.132008
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0.244648	8.59E-08	0.044155	0.34104	0.371867	9.20E-17	0.110676	0.01673	0.357668
0.132579	0.0041	-0.05131	0.26845	0.325505	5.48E-13	0.17608	0.00013	0.221863
-0.12856	0.0054	-0.3553	2.43E-15	0.01221	0.79243	-0.18273	7.13E-05	0.000465
0.258978	1.36E-08	0.108877	0.0186	0.470197	4.61E-27	0.311448	5.80E-12	0.303153
0.260234	1.15E-08	-0.01341	0.77263	0.598952	8.39E-47	0.30995	7.41E-12	0.470822
0.162978	0.00041	-0.04904	0.29021	0.319511	1.52E-12	0.055136	0.23436	0.24431
0.16149	0.00046	0.186798	4.87E-05	0.390811	1.72E-18	0.290956	1.46E-10	0.317232
0.286535	2.82E-10	-0.12397	0.00731	0.468238	8.01E-27	0.082326	0.07551	0.311602
0.036636	0.42961	-0.28783	2.33E-10	0.161685	0.00045	0.015608	0.73656	0.011525
0.170095	0.00022	-0.00558	0.90431	0.312594	4.81E-12	-0.01048	0.82126	0.286048
0.168186	0.00026	0.020859	0.65299	0.483436	1.00E-28	0.342569	2.64E-14	0.275795
0.166826	0.00029	-0.17852	0.00011	0.210393	4.52E-06	0.010036	0.82874	0.085181
0.537031	3.02E-36	-0.04218	0.36315	0.456432	2.07E-25	0.200253	1.30E-05	0.387874
0.188359	4.20E-05	0.09833	0.03364	0.339153	4.92E-14	0.057627	0.21386	0.357889
0.113037	0.01452	0.001563	0.97312	0.436874	3.46E-23	0.337571	6.55E-14	0.266003
0.300066	3.59E-11	0.089355	0.05365	0.631659	2.27E-53	0.375307	4.56E-17	0.511801
0.288255	2.18E-10	0.111477	0.01595	0.494084	4.09E-30	0.318412	1.83E-12	0.321958
0.163827	0.00038	-0.12665	0.00613	0.491416	9.22E-30	0.34229	2.78E-14	0.356785

0.283813	4.22E-10	0.075956	0.10113	0.353617	3.35E-15	0.182147	7.53E-05	0.257846
0.21236	3.66E-06	0.013235	0.77545	0.346888	1.19E-14	0.12551	0.00661	0.201175
0.110876	0.01653	-0.09633	0.03743	0.27726	1.09E-09	-0.01873	0.68647	0.142947
0.033641	0.4683	-0.13497	0.00347	0.299396	3.98E-11	0.155894	0.00072	0.143034
0.213046	3.40E-06	0.017306	0.70915	0.446809	2.68E-24	0.271221	2.56E-09	0.301309
0.151272	0.00104	-0.06252	0.1774	0.277046	1.13E-09	0.227989	6.38E-07	0.133261
0.186242	5.13E-05	-0.16036	0.0005	0.500414	5.78E-31	0.213164	3.36E-06	0.343395
0.191162	3.21E-05	0.049069	0.28997	0.412797	1.22E-20	0.241257	1.31E-07	0.281518
0.143584	0.00187	-0.00177	0.96962	0.303451	2.10E-11	0.142422	0.00203	0.252488
0.036292	0.43396	0.469393	5.79E-27	-0.02972	0.52177	0.300532	3.33E-11	-0.08674
0.364015	4.44E-16	0.026336	0.57024	0.657568	3.67E-59	0.268569	3.70E-09	0.497188
0.002894	0.95026	-0.26938	3.31E-09	0.090538	0.05055	-0.09208	0.04672	-0.02045
-0.06637	0.15213	0.001499	0.97422	-0.32099	1.19E-12	-0.22401	1.01E-06	-0.18311
0.194258	2.37E-05	-0.10259	0.02663	0.563147	1.99E-40	0.301746	2.75E-11	0.42311
-0.2795	7.91E-10	-0.05535	0.23255	-0.50739	6.38E-32	-0.19369	2.50E-05	-0.38752
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0.063411	0.1713	-0.09763	0.03492	0.236517	2.33E-07	0.116021	0.01211	0.188723
0.417179	4.33E-21	0.198963	1.48E-05	0.683864	1.17E-65	0.534051	8.60E-36	0.523952
0.614936	6.46E-50	0.205588	7.51E-06	0.708652	1.92E-72	0.36524	3.49E-16	0.603971
0.255808	2.06E-08	0.063136	0.17317	0.677612	4.73E-64	0.378821	2.20E-17	0.586286
0.059725	0.19762	-0.06956	0.13333	0.324712	6.29E-13	0.126563	0.00617	0.199007
0.294381	8.65E-11	-0.05354	0.24823	0.354616	2.77E-15	0.165695	0.00032	0.218758
0.166458	0.0003	-0.14395	0.00182	0.511573	1.66E-32	0.263473	7.43E-09	0.352877
-0.0089	0.84782	0.101401	0.02845	-0.19413	2.40E-05	-0.05312	0.25198	-0.09637
0.299903	3.68E-11	0.036326	0.43354	0.679046	2.04E-64	0.392144	1.29E-18	0.488298
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0.028903	0.53325	0.142006	0.0021	-0.20964	4.90E-06	-0.08126	0.07939	-0.11125
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0.359944	9.89E-16	0.065567	0.15717	0.464938	2.01E-26	0.1107	0.0167	0.303511
0.216001	2.46E-06	0.096715	0.03668	0.406754	4.92E-20	0.167662	0.00027	0.254852
0.283819	4.22E-10	-0.01661	0.72039	0.268756	3.61E-09	-0.02215	0.63302	0.273046
-0.28379	4.24E-10	-0.10458	0.02381	-0.58797	9.19E-45	-0.28237	5.21E-10	-0.45584
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0.142623	0.002	0.049828	0.28256	0.40701	4.64E-20	0.255218	2.23E-08	0.277722
0.636567	2.00E-54	0.13713	0.00298	0.474281	1.44E-27	0.161303	0.00047	0.391072
0.338876	5.18E-14	0.056883	0.21984	0.566717	4.98E-41	0.324138	6.94E-13	0.395059
0.16544	0.00033	-0.0077	0.86817	0.605545	4.58E-48	0.38916	2.46E-18	0.390957
0.177871	0.00011	0.599055	8.02E-47	0.034059	0.46279	0.311793	5.49E-12	0.121423
0.20223	1.06E-05	-0.08926	0.05391	0.369098	1.61E-16	0.174587	0.00015	0.2658
0.118404	0.01044	-0.06358	0.17014	0.403014	1.15E-19	0.256083	1.99E-08	0.186793
0.279643	7.75E-10	0.024755	0.59362	0.662472	2.53E-60	0.365086	3.59E-16	0.491901
0.105618	0.02245	-0.28525	3.41E-10	0.154713	0.00079	-0.22384	1.03E-06	0.114986
0.044754	0.33453	-0.21572	2.54E-06	0.425893	5.32E-22	0.080465	0.08238	0.304345
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0.078061	0.092	-0.06194	0.18148	0.373246	6.95E-17	0.203168	9.65E-06	0.309317

0.384459	6.73E-18	0.110277	0.01713	0.388064	3.11E-18	0.108326	0.0192	0.38638
0.292111	1.22E-10	0.139764	0.00247	0.503966	1.89E-31	0.283761	4.25E-10	0.343337
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0.016122	0.72822	-0.19288	2.71E-05	0.228451	6.05E-07	0.118169	0.0106	0.116702
0.174113	0.00016	-0.22375	1.04E-06	0.412021	1.46E-20	0.163069	0.0004	0.282123
0.135936	0.00325	-0.08042	0.08255	0.422443	1.23E-21	0.211813	3.88E-06	0.380327
0.294212	8.87E-11	0.041002	0.37666	0.581439	1.38E-43	0.37913	2.06E-17	0.456412
0.352378	4.24E-15	0.131582	0.0044	0.629077	7.99E-53	0.482571	1.30E-28	0.430481
0.374275	5.63E-17	0.120882	0.00893	0.655916	8.93E-59	0.401279	1.70E-19	0.490108
0.179325	9.76E-05	-0.0128	0.78261	0.421393	1.58E-21	0.074438	0.10816	0.405565
0.18299	6.96E-05	-0.03397	0.46396	0.255557	2.13E-08	0.020659	0.6561	0.142985
0.315086	3.19E-12	0.128117	0.00556	0.506466	8.56E-32	0.201103	1.19E-05	0.418838
0.294006	9.16E-11	0.025514	0.58234	0.649294	2.99E-57	0.335346	9.76E-14	0.508256
0.022324	0.63038	-0.35773	1.52E-15	0.094717	0.04076	-0.0926	0.04551	-0.0193
0.145077	0.00167	-0.07236	0.11839	0.312504	4.88E-12	-0.0002	0.99654	0.174564
0.046576	0.31521	0.092842	0.04493	0.359478	1.08E-15	0.207157	6.37E-06	0.280817
0.368338	1.88E-16	0.075753	0.10205	0.529063	4.84E-35	0.283733	4.27E-10	0.434134
0.198383	1.57E-05	-0.02857	0.53791	0.440043	1.55E-23	0.146625	0.00149	0.325475
0.232905	3.58E-07	0.015668	0.73559	0.358644	1.27E-15	0.143219	0.00192	0.310381
0.314344	3.61E-12	0.098709	0.03296	0.390976	1.66E-18	0.202487	1.03E-05	0.329129
0.217669	2.05E-06	-0.07567	0.10241	0.393491	9.59E-19	0.065935	0.15486	0.280487
0.084575	0.06784	-0.10737	0.0203	0.466076	1.47E-26	0.21395	3.08E-06	0.32177
0.27153	2.45E-09	0.04797	0.30092	0.563652	1.64E-40	0.310913	6.33E-12	0.390342
0.266499	4.92E-09	0.069327	0.13466	0.653819	2.74E-58	0.406944	4.71E-20	0.547181
0.117849	0.01081	-0.07693	0.09682	0.460846	6.23E-26	0.246663	6.67E-08	0.393777
0.059556	0.19889	-0.22794	6.42E-07	0.162662	0.00042	0.029373	0.5266	0.014011
0.174494	0.00015	0.07529	0.10417	0.57982	2.68E-43	0.291371	1.37E-10	0.540871
0.124453	0.00709	0.056152	0.22583	0.269231	3.38E-09	0.037034	0.42461	0.281375
0.039925	0.38933	-0.07823	0.0913	0.46187	4.71E-26	0.27973	7.65E-10	0.401142
0.221491	1.34E-06	-0.03372	0.46732	0.459661	8.62E-26	0.225803	8.21E-07	0.367868
0.190825	3.31E-05	-0.05323	0.25098	0.353071	3.72E-15	0.015462	0.73894	0.275142
0.463894	2.69E-26	0.036888	0.42645	0.574442	2.35E-42	0.395389	6.32E-19	0.386479
0.124649	0.007	-0.20133	1.16E-05	0.422979	1.08E-21	0.19738	1.74E-05	0.333329
0.29578	6.97E-11	0.297604	5.26E-11	-0.29248	1.16E-10	-0.00749	0.87177	-0.16824
0.272626	2.10E-09	0.069066	0.13614	0.330744	2.21E-13	0.080189	0.08344	0.309104
0.367148	2.38E-16	0.227023	7.13E-07	0.74195	9.10E-83	0.559262	8.79E-40	0.551323
-0.01994	0.6673	-0.27763	1.03E-09	0.19275	2.75E-05	0.051969	0.26237	0.079016
0.091747	0.04753	0.023673	0.60986	0.257512	1.65E-08	0.087384	0.05917	0.124602
0.031109	0.50245	-0.20499	7.98E-06	0.178006	0.00011	-0.04731	0.30768	0.078122
-0.09393	0.04246	-0.35643	1.95E-15	-0.01344	0.772	-0.1228	0.00789	0.008916
0.292516	1.15E-10	-0.01754	0.70534	0.449075	1.48E-24	0.195336	2.13E-05	0.312489
-0.06604	0.15422	-0.00415	0.92875	-0.38385	7.66E-18	-0.18113	8.27E-05	-0.29581
0.11661	0.01167	0.055532	0.23101	0.314009	3.81E-12	0.134792	0.00352	0.264571
0.248841	5.06E-08	-0.07796	0.0924	0.483888	8.79E-29	0.094652	0.0409	0.402667
0.38358	8.11E-18	0.161515	0.00046	0.672752	7.86E-63	0.36627	2.84E-16	0.49898

0.183164	6.85E-05	0.041512	0.37075	0.424469	7.52E-22	0.1739	0.00016	0.380057
0.263501	7.40E-09	-0.05173	0.26457	0.482991	1.15E-28	0.21353	3.23E-06	0.338269
0.096927	0.03627	-0.16682	0.00029	0.348588	8.66E-15	0.125575	0.00658	0.207293
-0.00482	0.91724	-0.39409	8.41E-19	-0.01982	0.66927	-0.20674	6.66E-06	-0.1414
0.260322	1.13E-08	0.069219	0.13528	0.435413	5.01E-23	0.139736	0.00247	0.360835
-0.15068	0.00109	-0.43087	1.56E-22	0.011289	0.80777	-0.15701	0.00066	-0.14372
0.193202	2.63E-05	-0.23931	1.66E-07	0.206186	7.05E-06	-0.13937	0.00254	0.148049
0.035561	0.44329	-0.13988	0.00245	0.209092	5.19E-06	0.077591	0.09398	0.15106
-0.01911	0.68049	0.189131	3.90E-05	-0.10457	0.02383	0.143919	0.00182	-0.0625
0.107751	0.01986	-0.04793	0.30133	0.51681	2.99E-33	0.24779	5.79E-08	0.371855
0.667308	1.72E-61	0.358933	1.20E-15	0.408923	2.99E-20	0.387284	3.68E-18	0.385724
-0.08517	0.06593	-0.27235	2.19E-09	0.131857	0.00431	-0.03637	0.43294	0.094691
-0.0258	0.57817	0.033986	0.46374	-0.32852	3.25E-13	-0.16247	0.00042	-0.21774
0.050323	0.2778	-0.10017	0.03043	0.464932	2.02E-26	0.214406	2.93E-06	0.367455
0.006771	0.88397	-0.2637	7.21E-09	0.201844	1.11E-05	0.129164	0.00518	0.047197
-0.10057	0.02978	-0.04661	0.31487	-0.34643	1.30E-14	-0.11063	0.01677	-0.28846
0.16872	0.00025	0.086376	0.06217	0.33204	1.76E-13	0.166891	0.00029	0.260145
0.202431	1.04E-05	0.152036	0.00098	0.329443	2.77E-13	0.299982	3.63E-11	0.188074
-0.03401	0.46344	-0.10138	0.02848	0.252424	3.20E-08	0.101575	0.02817	0.16388
0.225299	8.69E-07	0.087936	0.05758	0.425734	5.53E-22	0.165574	0.00033	0.30118
0.225929	8.09E-07	-0.00979	0.83289	0.659807	1.09E-59	0.33884	5.21E-14	0.482129
0.157	0.00066	-0.00921	0.84259	0.377666	2.80E-17	0.283038	4.73E-10	0.250361
0.217806	2.02E-06	-0.13264	0.00409	0.153279	0.00089	-0.16963	0.00023	0.154493
0.0258	0.57812	-0.24422	9.06E-08	0.181107	8.29E-05	-0.00697	0.88064	0.177402
-0.02177	0.63884	0.081601	0.07813	-0.372	8.96E-17	-0.13991	0.00244	-0.29123
0.133269	0.00391	-0.24946	4.68E-08	0.282104	5.42E-10	0.021691	0.64011	0.181028
0.041662	0.36902	-0.1167	0.01161	0.295151	7.68E-11	0.155629	0.00074	0.185526
0.33766	6.45E-14	0.184349	6.14E-05	0.647928	6.10E-57	0.37662	3.47E-17	0.462383
0.332022	1.76E-13	0.091248	0.04876	0.624872	6.07E-52	0.275917	1.32E-09	0.495002
0.08755	0.05869	-0.01349	0.77131	0.264161	6.77E-09	0.093559	0.0433	0.226392
0.302727	2.36E-11	0.180617	8.67E-05	0.399488	2.55E-19	0.252558	3.15E-08	0.379919
0.286173	2.98E-10	-0.0271	0.55913	0.676194	1.08E-63	0.299001	4.23E-11	0.494769
0.103603	0.02516	-0.0753	0.10411	0.337836	6.24E-14	0.035675	0.44183	0.235229
0.020382	0.66042	0.31682	2.39E-12	-0.10779	0.01982	-0.06075	0.19004	-0.00496
0.325043	5.94E-13	0.078308	0.09097	0.453288	4.83E-25	0.08297	0.07325	0.327672
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0.08322	0.07239	0.530689	2.76E-35	0.043012	0.3537	0.342281	2.79E-14	0.075542
0.054624	0.23873	-0.08437	0.06852	0.173613	0.00016	-0.00263	0.95476	0.088365
0.163818	0.00038	-0.00692	0.88138	0.325293	5.69E-13	0.210769	4.34E-06	0.232757
0.190664	3.36E-05	0.281133	6.24E-10	-0.14859	0.00128	0.104687	0.02367	-0.06735
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0.151045	0.00106	0.147431	0.0014	0.286449	2.86E-10	0.301367	2.92E-11	0.176718
0.159916	0.00052	-0.06426	0.16565	0.472311	2.53E-27	0.178155	0.00011	0.361681
0.148658	0.00127	0.193172	2.63E-05	0.013839	0.76549	0.013478	0.77144	0.023739

0.294265	8.80E-11	0.004855	0.91666	0.487475	3.02E-29	0.17337	0.00017	0.427069
0.213157	3.36E-06	0.064622	0.16325	0.546788	9.13E-38	0.27975	7.63E-10	0.478368
0.212505	3.60E-06	-0.13299	0.00399	0.323974	7.13E-13	-0.04504	0.33148	0.249818
0.06237	0.17846	0.111216	0.0162	0.331419	1.96E-13	0.200304	1.29E-05	0.338665
0.106345	0.02153	-0.01972	0.67075	0.39387	8.83E-19	0.180023	9.16E-05	0.301393
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0.02415	0.60267	0.19641	1.91E-05	-0.23191	4.03E-07	0.004351	0.92529	-0.149
-0.00811	0.86127	-0.19211	2.92E-05	0.320183	1.36E-12	0.150504	0.00111	0.150709
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0.144052	0.0018	-0.1151	0.01282	0.228779	5.82E-07	-0.02116	0.64832	0.178298
0.138711	0.00266	-0.0755	0.10322	0.320758	1.23E-12	0.128385	0.00546	0.146201
0.264188	6.74E-09	-0.01759	0.70454	0.456441	2.07E-25	0.202711	1.01E-05	0.340354
0.140386	0.00236	-0.15854	0.00058	0.391166	1.59E-18	0.184307	6.16E-05	0.304781
0.331555	1.91E-13	0.114237	0.01351	0.648538	4.44E-57	0.465178	1.88E-26	0.450754
0.285951	3.08E-10	-0.04377	0.34532	0.468982	6.50E-27	0.109884	0.01753	0.421749
0.143316	0.0019	-0.11737	0.01113	0.441088	1.18E-23	0.218153	1.94E-06	0.260665
0.13243	0.00415	-0.21593	2.48E-06	0.309531	7.93E-12	0.1305	0.00473	0.172737
0.081402	0.07886	0.436995	3.36E-23	-0.16886	0.00025	0.160759	0.00049	-0.08415
0.08444	0.06828	0.401784	1.52E-19	-0.23929	1.66E-07	0.097406	0.03535	-0.14884
-0.04655	0.31543	0.349928	6.73E-15	-0.32107	1.17E-12	0.048074	0.29988	-0.26238
0.183517	6.63E-05	0.653379	3.46E-58	0.077771	0.09321	0.360761	8.43E-16	0.161031
0.063481	0.17083	-0.0531	0.2521	0.269898	3.08E-09	0.087619	0.05849	0.203843
0.199769	1.37E-05	0.102194	0.02722	-0.32972	2.64E-13	-0.05154	0.26631	-0.2865
0.149363	0.00121	-0.06273	0.17595	0.22054	1.49E-06	0.089487	0.05329	0.181369
0.107035	0.0207	-0.26367	7.24E-09	0.364728	3.86E-16	0.013216	0.77576	0.199393
0.102906	0.02616	-0.15577	0.00073	0.4224	1.24E-21	0.177911	0.00011	0.258896
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0.26333	7.58E-09	-0.00157	0.97298	0.369792	1.40E-16	0.22586	8.15E-07	0.253102
0.206928	6.52E-06	0.114367	0.0134	0.457226	1.67E-25	0.250219	4.25E-08	0.381866
0.109437	0.01799	-0.16586	0.00032	0.237513	2.06E-07	0.042068	0.36437	0.187573
-0.21601	2.46E-06	-0.13018	0.00484	-0.48415	8.14E-29	-0.20483	8.12E-06	-0.45019
0.178412	0.00011	-0.10282	0.02629	0.158222	0.0006	-0.12877	0.00532	0.095363
0.213842	3.12E-06	0.03648	0.43158	0.414533	8.09E-21	0.135174	0.00343	0.368982
0.026517	0.56758	-0.24706	6.35E-08	0.399194	2.72E-19	0.046831	0.31256	0.307142
-0.03835	0.40827	-0.32503	5.95E-13	0.024329	0.59999	-0.26887	3.55E-09	0.022016
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0.114464	0.01332	-0.0162	0.72695	0.501831	3.71E-31	0.382286	1.07E-17	0.311377
0.288512	2.10E-10	0.032675	0.48118	0.561849	3.27E-40	0.258186	1.51E-08	0.416871
0.248659	5.18E-08	-0.10217	0.02726	0.592551	1.33E-45	0.222084	1.25E-06	0.446648
0.019666	0.67165	-0.27168	2.40E-09	0.296783	5.98E-11	0.124274	0.00717	0.170963
0.373927	6.05E-17	0.220457	1.50E-06	0.747953	8.43E-85	0.390979	1.66E-18	0.663205
0.323963	7.15E-13	0.167222	0.00028	0.709921	8.27E-73	0.391287	1.55E-18	0.5586
0.105162	0.02304	-0.22116	1.39E-06	0.092328	0.04614	-0.15585	0.00073	-0.06755
0.103516	0.02529	-0.22882	5.79E-07	0.116341	0.01187	-0.07765	0.09374	0.036089



0.273439	1.88E-09	0.023168	0.61751	0.600356	4.54E-47	0.260749	1.07E-08	0.424444
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0.377544	2.87E-17	0.044415	0.3382	0.512572	1.20E-32	0.19121	3.19E-05	0.353572
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0.153007	0.00091	0.141925	0.00211	0.38981	2.14E-18	0.172309	0.00018	0.368998
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0.223035	1.13E-06	0.583034	7.17E-44	0.07178	0.12137	0.363772	4.66E-16	0.156233
0.214648	2.86E-06	0.169367	0.00024	0.482269	1.42E-28	0.263852	7.06E-09	0.414647
0.333386	1.38E-13	0.066378	0.15209	0.576979	8.48E-43	0.334339	1.17E-13	0.368285
0.20534	7.70E-06	-0.016	0.73028	0.465034	1.96E-26	0.123199	0.00769	0.363168
0.154382	0.00082	-0.1053	0.02286	0.243737	9.62E-08	0.114402	0.01337	0.138409
0.00085	0.98539	-0.13941	0.00253	0.197183	1.77E-05	-0.03406	0.46278	0.097009
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-0.06589	0.15512	-0.34623	1.34E-14	0.245279	7.94E-08	0.033906	0.46481	0.08586
0.039087	0.39937	-0.12837	0.00547	0.098196	0.03388	0.031789	0.49315	0.073917
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0.297394	5.44E-11	0.08706	0.06012	0.473481	1.81E-27	0.313778	3.96E-12	0.343384
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0.088935	0.05479	0.488044	2.55E-29	-0.21322	3.34E-06	0.153731	0.00086	-0.14183
0.139451	0.00253	-0.05402	0.244	0.323618	7.58E-13	0.05966	0.19811	0.201624
0.193835	2.47E-05	0.082695	0.07421	0.308727	9.03E-12	0.130126	0.00485	0.251857
0.177082	0.00012	-0.06582	0.15556	0.251723	3.50E-08	0.039245	0.39748	0.134891
0.057552	0.21446	0.06985	0.13174	0.285088	3.50E-10	0.206344	6.94E-06	0.266193
0.098696	0.03298	-0.03908	0.39948	0.154409	0.00081	-0.06427	0.16558	0.227461
0.224363	9.68E-07	0.038791	0.40295	0.451709	7.36E-25	0.206413	6.89E-06	0.345959
0.149813	0.00117	-0.11789	0.01078	0.301697	2.78E-11	0.151648	0.00101	0.229245
0.14787	0.00135	-0.13329	0.00391	0.260076	1.17E-08	0.091515	0.0481	0.179897
0.078432	0.09046	-0.23861	1.81E-07	0.301586	2.82E-11	0.198128	1.61E-05	0.135119
0.303059	2.24E-11	-0.07437	0.10846	0.329504	2.74E-13	0.03988	0.38988	0.279089
0.310505	6.77E-12	0.134911	0.00349	0.428578	2.75E-22	0.226996	7.15E-07	0.37283
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0.030181	0.51529	-0.18851	4.14E-05	0.253353	2.84E-08	0.065453	0.1579	0.161011
0.118981	0.01007	-0.03046	0.51148	0.215351	2.65E-06	0.041019	0.37647	0.10465
0.522647	4.28E-34	-0.02153	0.64266	0.124054	0.00727	-0.02204	0.6348	0.098898
0.409121	2.85E-20	-0.07063	0.12748	0.349912	6.76E-15	0.184138	6.26E-05	0.258847
0.170943	0.00021	-0.13215	0.00423	0.244519	8.73E-08	0.049713	0.28368	0.120745
0.268376	3.80E-09	-0.0776	0.09393	0.280645	6.70E-10	-0.03246	0.48407	0.163817
0.088673	0.05551	-0.22529	8.70E-07	0.141105	0.00224	-0.06495	0.1611	0.070465
-0.12997	0.00491	0.182322	7.41E-05	-0.35086	5.65E-15	-0.10012	0.03053	-0.25414
0.385047	5.94E-18	0.189015	3.94E-05	0.702762	9.13E-71	0.385897	4.95E-18	0.626602
0.344772	1.76E-14	0.033123	0.47518	0.449925	1.18E-24	0.108658	0.01883	0.337099
0.077733	0.09337	-0.08055	0.08207	0.260647	1.09E-08	0.188309	4.22E-05	0.119812

0.186026	5.24E-05	-0.1596	0.00054	0.200763	1.23E-05	0.08384	0.07027	0.031797
-0.04557	0.32574	-0.21366	3.18E-06	0.146093	0.00155	0.022131	0.63334	0.044784
0.234108	3.11E-07	0.057877	0.21187	0.401344	1.68E-19	0.219954	1.59E-06	0.247815
0.232321	3.84E-07	0.047254	0.3082	0.325276	5.70E-13	0.000968	0.98336	0.338196
0.010722	0.81725	-0.16153	0.00046	0.138557	0.00269	-0.01451	0.75453	0.078921
0.069531	0.13352	-0.19795	1.64E-05	0.329436	2.77E-13	-0.01693	0.71516	0.243638
0.287366	2.49E-10	0.11256	0.01495	0.517203	2.63E-33	0.180116	9.08E-05	0.406187
0.030413	0.51207	0.002878	0.95054	0.281664	5.78E-10	0.229903	5.10E-07	0.150466
0.024858	0.59208	0.036974	0.42537	0.305833	1.44E-11	0.20229	1.06E-05	0.307934
0.268525	3.73E-09	0.241948	1.20E-07	0.400988	1.82E-19	0.228566	5.96E-07	0.392818
-0.11246	0.01503	0.08303	0.07304	-0.22384	1.03E-06	-0.05621	0.22536	-0.17172
0.327415	3.94E-13	0.07016	0.13003	0.531211	2.31E-35	0.188477	4.15E-05	0.415718
0.062483	0.17767	-0.11675	0.01157	0.314456	3.54E-12	0.143942	0.00182	0.255857
0.227875	6.46E-07	-0.00214	0.96327	0.523871	2.84E-34	0.196061	1.98E-05	0.488354
0.096662	0.03678	-0.12756	0.00577	0.164782	0.00035	-0.12596	0.00642	0.127373
0.322528	9.13E-13	0.02982	0.52034	0.649196	3.14E-57	0.346076	1.38E-14	0.507575
0.296699	6.05E-11	0.067177	0.14721	0.364942	3.70E-16	0.113559	0.01407	0.244922
0.310298	7.00E-12	0.020375	0.66053	0.444792	4.54E-24	0.089031	0.05453	0.354344
0.100331	0.03017	-0.20157	1.14E-05	0.234333	3.02E-07	-0.08135	0.07907	0.199127
0.222692	1.17E-06	-0.10155	0.02822	0.221047	1.41E-06	0.086902	0.06059	0.2173
0.366048	2.97E-16	-0.01534	0.74089	0.566678	5.06E-41	0.192751	2.75E-05	0.471488
-0.05748	0.21505	0.047494	0.30575	-0.32282	8.69E-13	-0.11178	0.01566	-0.25816
-0.15583	0.00073	-0.02053	0.65813	-0.37044	1.23E-16	-0.14747	0.00139	-0.33719
0.193899	2.45E-05	-0.09274	0.04517	0.168064	0.00026	-0.06357	0.17022	0.167026
0.664162	9.95E-61	0.18271	7.15E-05	0.421933	1.39E-21	0.258058	1.53E-08	0.415957
0.326261	4.81E-13	0.188138	4.29E-05	0.577543	6.76E-43	0.303382	2.13E-11	0.406449
0.137177	0.00297	-0.10024	0.03031	0.398178	3.41E-19	0.073209	0.11412	0.352239
0.170253	0.00022	0.021062	0.64984	0.346855	1.20E-14	0.166996	0.00029	0.313286
0.194579	2.29E-05	0.070138	0.13015	0.343792	2.11E-14	0.10641	0.02145	0.239592
0.208878	5.31E-06	-0.00669	0.88539	0.468078	8.38E-27	0.157276	0.00065	0.35743
0.152159	0.00097	-0.16687	0.00029	0.41901	2.80E-21	0.138844	0.00264	0.343656
0.161884	0.00044	-0.14773	0.00137	0.370636	1.18E-16	0.018175	0.69525	0.312212
-0.18247	7.31E-05	-0.07169	0.12184	-0.4961	2.20E-30	-0.24675	6.60E-08	-0.39746
0.29122	1.40E-10	0.071557	0.12254	0.471678	3.03E-27	0.249542	4.63E-08	0.443625
0.046433	0.31669	0.165335	0.00033	-0.20456	8.36E-06	0.116589	0.01169	-0.24419
0.160444	0.0005	0.057541	0.21454	0.354247	2.97E-15	0.138137	0.00278	0.297993
0.307303	1.14E-11	0.035658	0.44204	0.702693	9.54E-71	0.465377	1.78E-26	0.483771
0.214962	2.76E-06	-0.06495	0.16113	0.595806	3.28E-46	0.392275	1.25E-18	0.41616
0.117475	0.01106	-0.03971	0.39184	0.397509	3.96E-19	0.206261	7.00E-06	0.332794
0.247678	5.87E-08	0.168664	0.00025	0.7083	2.43E-72	0.413524	1.03E-20	0.540634
-0.22543	8.57E-07	-0.0032	0.94497	-0.33628	8.25E-14	-0.17049	0.00021	-0.20509
0.361308	7.57E-16	0.155013	0.00078	0.631066	3.03E-53	0.29766	5.22E-11	0.575292
0.358138	1.40E-15	0.158437	0.00059	0.609289	8.52E-49	0.325581	5.41E-13	0.490353
0.03038	0.51253	-0.22041	1.51E-06	0.210656	4.40E-06	0.039846	0.39028	0.169845
0.088611	0.05568	-0.02218	0.63262	0.398461	3.20E-19	0.289475	1.82E-10	0.231402

0.016879	0.71601	0.073741	0.111151	-0.26902	3.48E-09	-0.11396	0.01374	-0.20873
0.098143	0.03398	-0.08088	0.08082	0.372896	7.47E-17	0.150374	0.00112	0.306832
0.240384	1.46E-07	0.007434	0.87271	0.277737	1.02E-09	0.131593	0.00439	0.212481
-0.06598	0.15454	0.203604	9.22E-06	-0.38471	6.38E-18	-0.14055	0.00233	-0.28778
-0.10411	0.02445	0.133627	0.00382	-0.25027	4.22E-08	-0.06682	0.14939	-0.14635
0.13595	0.00324	-0.21656	2.32E-06	0.52128	6.78E-34	0.184704	5.93E-05	0.327206
0.252278	3.26E-08	0.098248	0.03379	0.500682	5.31E-31	0.280995	6.37E-10	0.394293
0.147626	0.00138	-0.06946	0.13391	0.561935	3.17E-40	0.344337	1.91E-14	0.428384
0.333118	1.45E-13	0.144232	0.00178	0.655345	1.21E-58	0.347773	1.01E-14	0.561739
0.116766	0.01156	-0.08072	0.08141	0.291993	1.24E-10	0.125569	0.00659	0.128116
-0.12834	0.00548	0.114278	0.01347	-0.29483	8.07E-11	-0.14208	0.00209	-0.2262
0.441945	9.48E-24	-0.03144	0.49798	0.267541	4.27E-09	0.035988	0.43782	0.236774
0.12561	0.00657	0.02862	0.53727	0.275369	1.43E-09	0.157769	0.00062	0.224877
0.561501	3.74E-40	0.000543	0.99066	0.460509	6.84E-26	0.253198	2.90E-08	0.378223
0.101176	0.0288	-0.26601	5.26E-09	0.280523	6.82E-10	0.015379	0.74028	0.149439
0.14542	0.00163	0.154396	0.00081	-0.08157	0.07824	-0.04456	0.33666	0.030252
0.151475	0.00102	0.346821	1.20E-14	-0.17487	0.00015	0.065202	0.1595	-0.09469
0.166557	0.0003	-0.12873	0.00534	0.232741	3.65E-07	0.113656	0.01399	0.108209
0.122377	0.00811	0.029195	0.52912	0.297795	5.11E-11	0.147391	0.0014	0.256254
-0.06608	0.15396	0.088816	0.05511	-0.25179	3.47E-08	-0.07676	0.09756	-0.10113
0.020605	0.65694	-0.27165	2.41E-09	0.142973	0.00195	0.023465	0.613	0.069868
0.046275	0.31834	0.335813	8.98E-14	-0.22195	1.27E-06	-0.02273	0.62419	-0.09844
0.348404	8.96E-15	0.184478	6.06E-05	0.686844	1.95E-66	0.397513	3.95E-19	0.555251
0.239968	1.53E-07	0.06129	0.18611	0.408514	3.28E-20	0.161093	0.00047	0.368468
0.279752	7.62E-10	0.039166	0.39842	0.338273	5.77E-14	0.200349	1.29E-05	0.199959
-0.12558	0.00658	-0.11385	0.01382	-0.402	1.45E-19	-0.26253	8.44E-09	-0.25947
0.186642	4.94E-05	-0.20859	5.48E-06	0.19062	3.38E-05	0.01683	0.7168	-0.04474
0.428165	3.05E-22	0.078221	0.09133	0.477451	5.78E-28	0.142177	0.00207	0.280805
0.241359	1.29E-07	-0.00042	0.99275	0.675404	1.71E-63	0.418067	3.51E-21	0.506814
0.215595	2.58E-06	-0.1472	0.00142	0.482749	1.23E-28	0.212418	3.64E-06	0.254844
0.026451	0.56855	0.357553	1.57E-15	-0.02848	0.53921	0.268278	3.85E-09	0.005939
0.019497	0.67431	0.049271	0.28798	-0.20477	8.17E-06	0.043693	0.34612	-0.2613
0.310592	6.67E-12	0.085026	0.06638	0.667305	1.73E-61	0.405119	7.15E-20	0.55444
0.279131	8.34E-10	-0.00554	0.90504	0.513047	1.03E-32	0.227183	7.00E-07	0.480701
0.622414	1.96E-51	0.142938	0.00196	0.400567	2.00E-19	0.187998	4.35E-05	0.384479
0.140482	0.00234	0.002	0.96561	0.288557	2.09E-10	0.076765	0.09754	0.153455
0.285487	3.30E-10	0.099269	0.03197	0.414133	8.89E-21	0.152216	0.00097	0.283586
0.219542	1.67E-06	0.549789	3.04E-38	0.108713	0.01877	0.32187	1.02E-12	0.124546
0.231165	4.40E-07	-0.00844	0.85566	0.362033	6.57E-16	0.08197	0.07679	0.280297
0.050916	0.27217	-0.25295	2.99E-08	0.143445	0.00189	-0.03055	0.51017	0.050821
0.041836	0.36702	-0.29779	5.11E-11	0.156872	0.00067	0.001426	0.97548	0.055123
0.239844	1.55E-07	-0.06922	0.13528	0.432485	1.04E-22	0.126676	0.00612	0.31361
0.186377	5.07E-05	-0.03753	0.41842	0.34023	4.05E-14	0.087286	0.05946	0.264561
0.161191	0.00047	-0.09059	0.05042	0.507763	5.66E-32	0.264802	6.21E-09	0.347109
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0.146408	0.00151	-0.24138	1.29E-07	0.19483	2.24E-05	-0.15557	0.00074	0.141131
-0.04176	0.36788	-0.26525	5.84E-09	0.240509	1.43E-07	0.039637	0.39277	0.188028
0.207956	5.85E-06	-0.03697	0.42537	0.43851	2.29E-23	0.225056	8.94E-07	0.241388
0.134576	0.00357	-0.21104	4.22E-06	0.423314	9.95E-22	0.217042	2.20E-06	0.206364
0.025021	0.58965	-0.20071	1.24E-05	0.351323	5.18E-15	0.182799	7.09E-05	0.144233
0.278045	9.75E-10	0.008805	0.84949	0.439402	1.82E-23	0.088747	0.0553	0.32526
-0.19413	2.40E-05	0.008959	0.84689	-0.3878	3.30E-18	-0.11135	0.01607	-0.37521
0.45904	1.02E-25	0.133237	0.00392	0.487605	2.91E-29	0.252048	3.36E-08	0.317275
0.127138	0.00594	0.034911	0.45167	0.305301	1.57E-11	0.160881	0.00048	0.274454
-0.01453	0.75422	0.072648	0.11693	-0.24567	7.56E-08	-0.14882	0.00126	-0.1115
0.306361	1.32E-11	0.038683	0.40427	0.42411	8.21E-22	0.099556	0.03148	0.398533
0.086533	0.06169	-0.14846	0.00129	0.304278	1.84E-11	0.14713	0.00143	0.213534
0.201773	1.11E-05	-0.02157	0.64205	0.328242	3.41E-13	0.012397	0.78933	0.260075
0.523696	3.01E-34	0.145221	0.00165	0.267619	4.22E-09	0.094295	0.04167	0.188634
0.223724	1.04E-06	0.099766	0.03112	0.430484	1.72E-22	0.208936	5.28E-06	0.36543
0.289094	1.93E-10	0.017455	0.70676	0.495678	2.51E-30	0.331398	1.97E-13	0.314965
0.470139	4.69E-27	0.001867	0.96791	0.39283	1.11E-18	0.170503	0.00021	0.296115
0.129758	0.00498	-0.0637	0.16936	0.301203	3.00E-11	0.058474	0.20719	0.171436
0.245592	7.63E-08	0.198246	1.59E-05	0.530489	2.96E-35	0.305633	1.49E-11	0.389427
0.215139	2.71E-06	-0.0706	0.12764	0.565614	7.65E-41	0.291806	1.28E-10	0.39217
0.028341	0.54125	-0.08075	0.08131	0.256266	1.94E-08	0.144362	0.00176	0.211489
0.476774	7.04E-28	0.204344	8.54E-06	0.611983	2.51E-49	0.271822	2.36E-09	0.518125
0.218239	1.93E-06	-0.15855	0.00058	0.450341	1.06E-24	0.097896	0.03443	0.27671
-0.10671	0.02108	-0.00515	0.91156	-0.26632	5.04E-09	0.059922	0.19614	-0.32333
0.003261	0.94396	-0.06439	0.16479	-0.31327	4.30E-12	-0.14654	0.0015	-0.29417
0.149696	0.00118	0.040308	0.3848	0.466073	1.47E-26	0.222068	1.26E-06	0.424677
0.208559	5.49E-06	0.162505	0.00042	0.364518	4.02E-16	0.18364	6.56E-05	0.299629
0.028603	0.53751	0.346556	1.27E-14	-0.28059	6.75E-10	0.109461	0.01797	-0.24946
0.146008	0.00156	0.025713	0.5794	0.440053	1.54E-23	0.413434	1.05E-20	0.278644
0.159609	0.00054	-0.02026	0.66232	0.489427	1.68E-29	0.363358	5.06E-16	0.304932
0.201009	1.20E-05	-0.07627	0.09974	0.515222	5.04E-33	0.270883	2.69E-09	0.296977
-0.00579	0.90061	0.099405	0.03174	-0.24329	1.02E-07	-0.12416	0.00722	-0.18045
0.478943	3.75E-28	-0.05941	0.2	0.459755	8.40E-26	0.179858	9.30E-05	0.374369
0.023556	0.61163	-0.17923	9.85E-05	0.311838	5.45E-12	0.117574	0.011	0.229343
0.155339	0.00076	-0.0871	0.06001	0.438842	2.10E-23	0.25831	1.48E-08	0.278963
0.304242	1.86E-11	0.075051	0.10527	0.627728	1.54E-52	0.345646	1.50E-14	0.493731
0.183372	6.72E-05	-0.04898	0.29089	0.323268	8.05E-13	0.093384	0.04369	0.214447
0.283696	4.29E-10	-0.00086	0.98513	0.347775	1.01E-14	0.051787	0.26405	0.350789
0.20984	4.80E-06	-0.15395	0.00084	0.449428	1.35E-24	0.264911	6.11E-09	0.239991
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0.288205	2.20E-10	0.071883	0.12084	0.477229	6.17E-28	0.242307	1.15E-07	0.569509
0.177123	0.00012	0.010546	0.82019	0.514137	7.20E-33	0.309175	8.40E-12	0.438007
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-0.00571	0.90209	-0.04929	0.28782	0.295694	7.07E-11	0.265342	5.77E-09	0.130444
0.000372	0.9936	-0.07443	0.10821	0.245974	7.27E-08	0.187986	4.35E-05	0.085931

-0.00209	0.9641	0.099167	0.03215	-0.25266	3.10E-08	-0.13415	0.00368	-0.19949
-0.02409	0.60352	-0.33098	2.12E-13	0.294095	9.03E-11	0.05943	0.19985	0.131701
-0.00504	0.91348	-0.38634	4.51E-18	0.004271	0.92666	-0.28371	4.28E-10	0.024113
0.120434	0.00918	-0.24377	9.59E-08	0.113128	0.01444	-0.0973	0.03555	0.006039
0.053109	0.25203	-0.22278	1.16E-06	0.093162	0.0442	-0.06223	0.17945	-0.03809
0.026573	0.56677	-0.2101	4.67E-06	0.388903	2.60E-18	0.144264	0.00177	0.281733
0.172985	0.00017	0.377731	2.76E-17	0.00856	0.85363	0.18263	7.20E-05	0.094597
0.283826	4.21E-10	0.063595	0.17006	0.691299	1.28E-67	0.381585	1.23E-17	0.553232
0.188786	4.03E-05	-0.18098	8.39E-05	0.290418	1.58E-10	0.059334	0.20058	0.106418
-0.03885	0.40226	-0.33609	8.55E-14	0.117365	0.01114	0.004473	0.9232	-0.05074
0.227676	6.61E-07	-0.07006	0.13057	0.31455	3.49E-12	-0.0475	0.30564	0.318288
0.01387	0.76498	-0.14878	0.00126	0.142226	0.00206	-0.0914	0.04837	0.035249
0.199248	1.44E-05	0.002916	0.94989	0.338755	5.29E-14	0.190399	3.45E-05	0.236716
0.252898	3.01E-08	0.078658	0.08953	0.423573	9.35E-22	0.241728	1.23E-07	0.209655
0.120524	0.00913	-0.1973	1.75E-05	0.159338	0.00055	0.052444	0.25802	0.087559
0.312082	5.23E-12	0.138241	0.00276	0.358065	1.42E-15	0.277081	1.12E-09	0.203855
-0.04737	0.30698	-0.2961	6.64E-11	-0.00366	0.93716	-0.21578	2.53E-06	-0.11576
0.213082	3.39E-06	0.001898	0.96737	0.393791	8.98E-19	0.117721	0.0109	0.237102
0.364137	4.34E-16	0.096869	0.03638	0.521575	6.14E-34	0.31215	5.17E-12	0.325572
0.10012	0.03052	0.047349	0.30723	0.321476	1.09E-12	0.199533	1.40E-05	0.280903
0.094255	0.04176	-0.06682	0.14935	0.294715	8.21E-11	0.153023	0.00091	0.160351
0.272012	2.29E-09	-0.01263	0.78538	0.616332	3.39E-50	0.332818	1.53E-13	0.527864
0.317788	2.03E-12	0.166992	0.00029	0.391811	1.38E-18	0.183454	6.67E-05	0.317443
0.111613	0.01582	0.041477	0.37116	0.357019	1.74E-15	0.251294	3.70E-08	0.173541
0.040238	0.38563	0.369825	1.39E-16	0.004142	0.92887	0.266277	5.07E-09	-0.00757
-0.09182	0.04736	0.105372	0.02277	-0.33258	1.60E-13	-0.08686	0.06072	-0.23918
0.209119	5.18E-06	-0.14376	0.00184	0.502311	3.19E-31	0.114595	0.01321	0.394309
0.235442	2.65E-07	-0.00873	0.85078	0.577748	6.22E-43	0.374117	5.82E-17	0.395586
0.052815	0.25467	0.178645	0.0001	-0.19236	2.85E-05	-0.09989	0.03091	0.017791
0.246213	7.06E-08	-0.04441	0.33829	0.449603	1.29E-24	0.111361	0.01606	0.37328
0.372973	7.35E-17	0.151333	0.00104	0.405858	6.04E-20	0.311715	5.56E-12	0.236952
0.368343	1.88E-16	0.073137	0.11448	0.569704	1.55E-41	0.169714	0.00023	0.50632
0.188801	4.02E-05	0.063876	0.16818	0.513835	7.94E-33	0.312745	4.69E-12	0.400818
0.142104	0.00208	0.004422	0.92407	0.271058	2.62E-09	0.054549	0.23938	0.231344
0.028599	0.53756	-0.10729	0.0204	0.254361	2.49E-08	0.080258	0.08318	0.183591
0.166882	0.00029	-0.0443	0.33941	0.264025	6.90E-09	0.194816	2.24E-05	0.196937
0.250493	4.10E-08	-0.11753	0.01103	0.435969	4.35E-23	0.05274	0.25535	0.294595
0.347036	1.16E-14	0.057057	0.21843	0.604799	6.39E-48	0.363372	5.05E-16	0.413607
0.320701	1.25E-12	0.150991	0.00106	0.627137	2.04E-52	0.355181	2.48E-15	0.521854
-0.34184	3.02E-14	-0.19656	1.88E-05	-0.48182	1.62E-28	-0.27522	1.46E-09	-0.42657
0.125327	0.00669	-0.21279	3.49E-06	0.29064	1.53E-10	0.134091	0.0037	0.086437
0.052205	0.26021	-0.10894	0.01852	0.475166	1.12E-27	0.332628	1.58E-13	0.293272
0.341074	3.47E-14	0.120869	0.00893	0.48488	6.55E-29	0.311407	5.84E-12	0.323319
0.18244	7.33E-05	-0.00963	0.83566	0.274049	1.72E-09	0.00492	0.91555	0.275211
0.065481	0.15772	-0.09687	0.03637	0.429146	2.39E-22	0.208935	5.28E-06	0.250927

0.283931	4.15E-10	0.126583	0.00616	0.350024	6.61E-15	0.151957	0.00099	0.356223
0.240254	1.48E-07	0.139596	0.0025	0.33015	2.45E-13	0.13304	0.00398	0.300044
0.267527	4.27E-09	-0.06695	0.14858	0.508095	5.09E-32	0.238529	1.83E-07	0.352354
0.03812	0.41115	-0.01031	0.82411	0.289803	1.73E-10	0.139922	0.00244	0.271631
0.22955	5.32E-07	-0.00028	0.99513	0.400832	1.88E-19	0.059078	0.20253	0.337904
-0.14113	0.00224	0.053779	0.24609	-0.4158	6.00E-21	-0.09356	0.0433	-0.39656
0.275971	1.31E-09	0.014782	0.75003	0.272188	2.24E-09	0.005227	0.9103	0.298934
0.097627	0.03493	-0.07405	0.11001	0.395886	5.67E-19	0.224097	9.97E-07	0.269779
-0.23745	2.08E-07	0.061662	0.18345	-0.45796	1.37E-25	-0.18878	4.03E-05	-0.28095
-0.18498	5.78E-05	-0.11958	0.0097	-0.4176	3.92E-21	-0.14445	0.00175	-0.36004
0.062727	0.17598	0.352943	3.81E-15	-0.2567	1.83E-08	-0.03325	0.47342	-0.20345
0.120864	0.00894	-0.06963	0.13295	0.234964	2.81E-07	0.015993	0.73031	0.097242
0.152464	0.00095	-0.04092	0.37763	0.262164	8.87E-09	0.034162	0.46144	0.199759
0.006629	0.88639	0.318098	1.93E-12	-0.14084	0.00228	-0.02744	0.55411	0.044489
0.163954	0.00037	-0.16486	0.00035	0.328728	3.14E-13	0.161731	0.00045	0.192228
0.270018	3.03E-09	-0.09621	0.03767	0.572286	5.56E-42	0.248392	5.36E-08	0.371176
-0.05287	0.25415	-0.25258	3.14E-08	0.170084	0.00022	0.008855	0.84865	-0.0173
0.59819	1.17E-46	0.090488	0.05067	0.610214	5.60E-49	0.325503	5.49E-13	0.494014
0.182977	6.97E-05	-0.05161	0.26566	0.273418	1.88E-09	0.043768	0.3453	0.263637
0.117371	0.01114	-0.23958	1.61E-07	0.399939	2.30E-19	-0.06145	0.18493	0.342687
0.132479	0.00413	0.488332	2.34E-29	0.025751	0.57884	0.321083	1.17E-12	0.045647
0.06279	0.17554	-0.24853	5.27E-08	0.250445	4.13E-08	0.036451	0.43194	0.141707
0.166327	0.00031	-0.13996	0.00243	0.258689	1.41E-08	0.169924	0.00023	0.023377
0.40275	1.22E-19	0.204972	8.00E-06	0.726769	7.18E-78	0.422941	1.09E-21	0.552061
0.151319	0.00104	-0.18251	7.28E-05	0.434265	6.69E-23	0.013438	0.7721	0.339244
0.055013	0.2354	-0.087	0.06029	0.31021	7.10E-12	0.236796	2.25E-07	0.175383
0.208224	5.69E-06	-0.05973	0.1976	0.26683	4.70E-09	0.207747	5.99E-06	0.129107
0.270182	2.96E-09	0.135821	0.00327	0.608977	9.81E-49	0.416741	4.80E-21	0.435404
0.128412	0.00545	-0.24221	1.16E-07	0.471806	2.92E-27	0.155085	0.00077	0.290711
0.321653	1.06E-12	0.125187	0.00675	0.541879	5.39E-37	0.363474	4.95E-16	0.438921
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0.337194	7.01E-14	0.117907	0.01077	0.478086	4.81E-28	0.33046	2.32E-13	0.290984
0.032119	0.48868	-0.28608	3.02E-10	0.125998	0.0064	-0.03671	0.42867	0.056189
0.096148	0.0378	-0.04019	0.38625	0.210756	4.35E-06	0.00661	0.88671	0.069794
0.003356	0.94234	0.166466	0.0003	-0.25642	1.90E-08	-0.06222	0.17949	-0.14353
0.14663	0.00149	-0.20026	1.30E-05	0.220289	1.53E-06	-0.14071	0.0023	0.202511
0.307133	1.17E-11	0.18612	5.19E-05	0.626128	3.32E-52	0.406297	5.46E-20	0.554872
0.322496	9.18E-13	0.118511	0.01037	0.659809	1.09E-59	0.434161	6.86E-23	0.50059
0.059312	0.20074	-0.26494	6.09E-09	0.398133	3.44E-19	-0.01346	0.77167	0.329257
-0.11076	0.01664	-0.04753	0.30541	-0.33947	4.65E-14	-0.09443	0.04139	-0.32566
0.363475	4.94E-16	0.039524	0.39412	0.465339	1.80E-26	0.093785	0.04279	0.290559
0.344714	1.78E-14	0.164879	0.00035	0.607295	2.09E-48	0.214694	2.84E-06	0.528558
0.159461	0.00054	-0.13125	0.0045	0.307802	1.05E-11	-0.0609	0.18892	0.165633
0.225161	8.83E-07	-0.10081	0.02938	0.301033	3.08E-11	0.099264	0.03198	0.110435
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-0.03154	0.49661	-0.30405	1.91E-11	0.095769	0.03856	-0.11876	0.01021	0.06656
0.110899	0.01651	-0.12485	0.00691	0.167667	0.00027	-0.0563	0.22463	0.11521
0.597484	1.59E-46	0.075491	0.10324	0.498586	1.02E-30	0.090841	0.04978	0.419099
0.261964	9.11E-09	0.621387	3.18E-51	0.09181	0.04738	0.332443	1.63E-13	0.135342
0.294365	8.67E-11	0.1665	0.0003	0.599268	7.31E-47	0.360219	9.37E-16	0.439009
0.23909	1.70E-07	0.053568	0.24795	0.448864	1.56E-24	0.344012	2.03E-14	0.345569
0.112528	0.01498	-0.03905	0.39984	0.229116	5.59E-07	0.013871	0.76497	0.233105
0.114246	0.0135	-0.23968	1.59E-07	0.221842	1.29E-06	-0.01854	0.68944	0.092514
0.260443	1.12E-08	0.008406	0.85624	0.485211	5.94E-29	0.266829	4.70E-09	0.367428
0.207135	6.38E-06	0.095119	0.03991	0.609338	8.33E-49	0.297948	4.99E-11	0.507928
0.365663	3.21E-16	0.152455	0.00095	0.742632	5.38E-83	0.505158	1.30E-31	0.522297
0.244602	8.64E-08	0.03413	0.46186	0.43411	6.95E-23	0.165901	0.00032	0.301322
0.015917	0.73155	-0.07491	0.10595	0.446695	2.76E-24	0.229552	5.32E-07	0.32518
0.236512	2.33E-07	-0.03018	0.51526	0.523455	3.26E-34	0.333507	1.35E-13	0.33305
0.221133	1.39E-06	-0.16223	0.00043	0.501005	4.80E-31	0.162162	0.00043	0.373417
0.348266	9.20E-15	0.069205	0.13535	0.577742	6.23E-43	0.253158	2.91E-08	0.466856
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0.111212	0.0162	-0.21497	2.76E-06	0.240059	1.51E-07	0.019936	0.66741	0.23905
0.231217	4.38E-07	0.102782	0.02635	0.398333	3.29E-19	0.219877	1.61E-06	0.291004
0.30901	8.63E-12	0.04051	0.38242	0.457231	1.67E-25	0.338323	5.72E-14	0.317964
-0.1058	0.02221	0.077244	0.09546	-0.45837	1.23E-25	-0.22218	1.24E-06	-0.34534
0.235871	2.52E-07	-0.01105	0.81176	0.361882	6.77E-16	0.212796	3.49E-06	0.170788
0.12577	0.0065	0.023281	0.61579	0.28899	1.96E-10	0.193047	2.67E-05	0.197517
0.144622	0.00173	-0.12473	0.00696	0.493846	4.40E-30	0.181372	8.09E-05	0.412647
0.304445	1.80E-11	0.019225	0.67859	0.598755	9.14E-47	0.290321	1.60E-10	0.444944
0.083427	0.07168	-0.1183	0.01051	0.255087	2.26E-08	0.139867	0.00245	0.076834
0.228122	6.28E-07	-0.12871	0.00534	0.340966	3.54E-14	0.035047	0.44991	0.195812
0.120908	0.00891	-0.16006	0.00052	0.314731	3.38E-12	0.167654	0.00027	0.174809
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0.211033	4.22E-06	0.121838	0.0084	0.348265	9.20E-15	0.280536	6.81E-10	0.267074
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0.284018	4.09E-10	0.001772	0.96954	0.513835	7.95E-33	0.252873	3.02E-08	0.415304
0.308887	8.80E-12	0.043233	0.35123	0.538033	2.12E-36	0.233288	3.43E-07	0.483124
0.128366	0.00547	0.024951	0.59069	0.277984	9.84E-10	0.048483	0.29578	0.25183
0.231605	4.18E-07	0.025881	0.57692	0.372885	7.48E-17	0.083396	0.07178	0.259517
0.012592	0.78608	-0.08384	0.07027	0.247716	5.84E-08	0.127791	0.00568	0.143516
0.131358	0.00446	-0.10262	0.02659	0.177497	0.00012	-0.12439	0.00712	0.337228
0.021526	0.64265	-0.17907	9.99E-05	0.312009	5.30E-12	0.189942	3.61E-05	0.158533
0.35284	3.88E-15	0.121971	0.00832	0.733155	6.87E-80	0.427578	3.52E-22	0.637507
0.039352	0.39618	-0.29565	7.11E-11	0.120939	0.00889	-0.0542	0.24241	-0.02839
0.230569	4.72E-07	0.037293	0.42138	0.557845	1.50E-39	0.306448	1.30E-11	0.455638
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0.081741	0.07762	0.309417	8.08E-12	-0.15673	0.00068	-0.06906	0.13619	0.14142
0.097895	0.03444	-0.07602	0.10082	0.269344	3.33E-09	0.135588	0.00333	0.22818
0.003133	0.94617	-0.27274	2.07E-09	0.259556	1.26E-08	0.070622	0.12751	0.199677

0.215046	2.74E-06	0.004613	0.92081	0.255445	2.16E-08	0.029432	0.52578	0.252231
-0.09702	0.03608	-0.4844	7.55E-29	-0.12846	0.00543	-0.42785	3.29E-22	-0.09451
0.226525	7.55E-07	-0.06804	0.1421	0.516542	3.27E-33	0.24492	8.30E-08	0.37583
0.413841	9.52E-21	0.082801	0.07384	0.613624	1.18E-49	0.245816	7.42E-08	0.487477
0.188892	3.99E-05	0.094993	0.04017	0.338469	5.57E-14	0.204161	8.71E-06	0.299508
0.329575	2.71E-13	0.07601	0.10089	0.574075	2.73E-42	0.277119	1.11E-09	0.508995
0.330756	2.20E-13	0.009328	0.84066	0.404531	8.17E-20	0.168571	0.00025	0.279398
0.13645	0.00313	-0.13416	0.00368	0.177058	0.00012	0.086064	0.06312	0.149818
0.359059	1.17E-15	0.096529	0.03704	0.557611	1.64E-39	0.247851	5.74E-08	0.440412
0.064493	0.1641	0.366226	2.87E-16	-0.20927	5.09E-06	0.109082	0.01837	-0.24093
0.131182	0.00452	-0.02321	0.61689	0.198902	1.49E-05	-0.03489	0.45198	0.265902
0.04087	0.37821	-0.13188	0.00431	0.383683	7.93E-18	0.208535	5.51E-06	0.293838
0.165729	0.00032	0.047633	0.30433	0.351039	5.46E-15	0.151501	0.00102	0.339471
0.127066	0.00596	-0.22851	6.00E-07	0.42195	1.38E-21	0.15178	0.001	0.248727
0.127473	0.00581	-0.18162	7.90E-05	0.164137	0.00037	-0.05789	0.21177	0.123515
0.344696	1.79E-14	0.047951	0.30111	0.504171	1.77E-31	0.243152	1.03E-07	0.453469
0.507164	6.85E-32	-0.09377	0.04282	0.257362	1.68E-08	-0.04577	0.32365	0.227661
-0.19456	2.30E-05	-0.0462	0.31915	-0.39943	2.58E-19	-0.07108	0.12507	-0.37672
0.154126	0.00083	-0.0107	0.81768	0.296115	6.62E-11	0.148218	0.00132	0.182338
0.256089	1.99E-08	0.153601	0.00087	-0.25631	1.93E-08	-0.03689	0.42642	-0.15305
0.265001	6.04E-09	-0.14428	0.00177	0.371322	1.03E-16	0.083837	0.07029	0.210716
0.325946	5.08E-13	0.054703	0.23806	0.719352	1.35E-75	0.367158	2.38E-16	0.563118
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0.234776	2.87E-07	-0.0676	0.14468	0.240107	1.51E-07	0.021761	0.63903	0.185096
0.071659	0.12201	-0.02716	0.55819	0.22922	5.53E-07	0.180423	8.83E-05	0.065511
0.229961	5.07E-07	-0.11052	0.01689	0.363748	4.69E-16	0.129844	0.00495	0.254221
0.325994	5.04E-13	0.131958	0.00428	0.402436	1.31E-19	0.29906	4.20E-11	0.283525
0.197598	1.70E-05	0.053279	0.25051	0.370595	1.19E-16	0.142428	0.00203	0.330074
0.209633	4.90E-06	-0.02551	0.58239	0.607126	2.26E-48	0.285698	3.20E-10	0.492326
0.1087	0.01879	0.338556	5.48E-14	0.002111	0.96371	0.332171	1.72E-13	-0.05501
0.22175	1.30E-06	-0.06281	0.1754	0.211255	4.12E-06	-0.01607	0.72911	0.187344
0.127913	0.00564	-0.03893	0.40124	0.381475	1.26E-17	0.193293	2.60E-05	0.302713
0.247126	6.29E-08	-0.06051	0.19175	0.264838	6.17E-09	0.031416	0.49824	0.343854
0.171053	0.0002	0.16674	0.0003	0.411315	1.72E-20	0.440437	1.40E-23	0.249686
0.358462	1.32E-15	0.232477	3.77E-07	0.60995	6.32E-49	0.470384	4.37E-27	0.528774
0.214087	3.04E-06	0.125592	0.00658	0.282258	5.30E-10	0.321025	1.18E-12	0.262329
0.230565	4.72E-07	0.182576	7.24E-05	0.622325	2.04E-51	0.461392	5.37E-26	0.494867
0.116746	0.01158	0.083263	0.07224	0.334068	1.23E-13	0.275487	1.40E-09	0.305281
0.198678	1.52E-05	0.19189	2.99E-05	0.501366	4.29E-31	0.342711	2.57E-14	0.583447
0.251327	3.69E-08	0.2032	9.61E-06	0.547499	7.05E-38	0.487054	3.43E-29	0.452166
0.356587	1.89E-15	0.263653	7.25E-09	0.723453	7.62E-77	0.500319	5.95E-31	0.695396
0.143917	0.00182	0.064148	0.16637	0.329398	2.79E-13	0.231393	4.29E-07	0.246783
-0.10668	0.02113	0.004049	0.93047	-0.41178	1.54E-20	-0.3827	9.76E-18	-0.2412
-0.0444	0.33837	-0.1481	0.00133	-0.23381	3.22E-07	-0.34896	8.08E-15	-0.27025
0.166346	0.00031	0.03043	0.51183	0.33519	1.00E-13	0.206971	6.49E-06	0.307464



0.250936	3.88E-08	0.061798	0.18248	0.346108	1.38E-14	0.287486	2.45E-10	0.259226
0.035441	0.44482	-0.03217	0.48802	-0.35504	2.55E-15	-0.27618	1.27E-09	-0.27129
0.297454	5.39E-11	0.242691	1.10E-07	0.588711	6.74E-45	0.467495	9.87E-27	0.49466
0.203389	9.43E-06	0.127836	0.00567	0.440503	1.37E-23	0.265992	5.28E-09	0.466445
0.074823	0.10634	0.002077	0.9643	0.225306	8.69E-07	0.153263	0.00089	0.230432
-0.11122	0.0162	-0.20713	6.38E-06	-0.31243	4.94E-12	-0.3418	3.04E-14	-0.27726
0.26733	4.39E-09	0.175594	0.00014	0.557146	1.96E-39	0.445044	4.25E-24	0.442822
0.032106	0.48885	-0.08242	0.07516	0.265202	5.88E-09	0.187489	4.56E-05	0.159358
-0.02791	0.54745	0.152055	0.00098	-0.35305	3.73E-15	-0.32613	4.92E-13	-0.22507
0.200067	1.32E-05	-0.02704	0.55997	0.535499	5.18E-36	0.366908	2.50E-16	0.39338
0.343934	2.06E-14	0.093886	0.04257	0.765801	3.35E-91	0.512062	1.42E-32	0.585009
-0.31209	5.23E-12	-0.18939	3.80E-05	-0.39434	7.96E-19	-0.32944	2.77E-13	-0.27755
0.380871	1.43E-17	0.279834	7.53E-10	0.530108	3.38E-35	0.442767	7.67E-24	0.510818
0.189726	3.68E-05	0.020213	0.66307	0.464998	1.98E-26	0.306148	1.37E-11	0.410784
-0.09215	0.04657	-0.05609	0.22638	-0.37385	6.14E-17	-0.24568	7.55E-08	-0.27912
0.350215	6.38E-15	0.242205	1.16E-07	0.650222	1.84E-57	0.435061	5.47E-23	0.573016
-0.17273	0.00018	-0.086	0.06331	-0.38215	1.10E-17	-0.32157	1.08E-12	-0.30012
0.076055	0.10068	-0.00072	0.9876	0.420314	2.05E-21	0.266617	4.84E-09	0.313925
-0.33575	9.09E-14	-0.18718	4.70E-05	-0.57979	2.71E-43	-0.38368	7.93E-18	-0.47969
0.225382	8.61E-07	0.103497	0.02531	0.614205	9.05E-50	0.469872	5.06E-27	0.434052
0.209135	5.17E-06	0.049502	0.28573	0.663269	1.63E-60	0.500936	4.91E-31	0.501818
0.120666	0.00905	0.166905	0.00029	0.419119	2.73E-21	0.301072	3.06E-11	0.367445
0.277753	1.02E-09	0.096046	0.038	0.651789	8.04E-58	0.434949	5.63E-23	0.524396
0.22637	7.69E-07	0.100214	0.03037	0.287757	2.35E-10	0.260758	1.07E-08	0.269454
0.291615	1.32E-10	0.373527	6.56E-17	0.663628	1.34E-60	0.579831	2.67E-43	0.536442
0.289717	1.75E-10	0.10712	0.02059	0.625771	3.94E-52	0.326056	4.99E-13	0.534881
0.2593	1.30E-08	0.281886	5.59E-10	0.56102	4.50E-40	0.518828	1.53E-33	0.387176
0.273046	1.98E-09	0.29412	9.00E-11	0.651807	7.97E-58	0.625973	3.58E-52	0.438096
0.319041	1.65E-12	0.166953	0.00029	0.646377	1.36E-56	0.416581	4.99E-21	0.526681
0.365487	3.32E-16	0.17274	0.00018	0.674828	2.38E-63	0.363447	4.97E-16	0.557545
-0.22074	1.46E-06	-0.22308	1.12E-06	-0.38572	5.14E-18	-0.43381	7.49E-23	-0.36593
0.243941	9.38E-08	0.142542	0.00202	0.364255	4.24E-16	0.294482	8.51E-11	0.279063
0.237799	1.99E-07	-0.02245	0.62841	0.431042	1.50E-22	0.296335	6.40E-11	0.290085
0.316526	2.51E-12	0.110872	0.01653	0.687452	1.35E-66	0.419973	2.22E-21	0.549557
0.251302	3.70E-08	0.243441	9.98E-08	0.562371	2.68E-40	0.5216	6.09E-34	0.365154
0.214733	2.83E-06	0.184663	5.96E-05	0.565257	8.79E-41	0.488907	1.97E-29	0.505506
0.099912	0.03087	0.127574	0.00577	0.322842	8.66E-13	0.223595	1.06E-06	0.318635
0.390251	1.94E-18	0.368966	1.66E-16	0.795395	#####	0.668856	7.21E-62	0.672931
0.348539	8.74E-15	0.182097	7.57E-05	0.684922	6.21E-66	0.416392	5.22E-21	0.644298
0.261669	9.48E-09	0.187878	4.40E-05	0.613167	1.46E-49	0.486515	4.03E-29	0.469079
0.224753	9.26E-07	0.047298	0.30775	0.609904	6.45E-49	0.379219	2.03E-17	0.443309
-0.00011	0.99815	-0.01877	0.68579	0.198616	1.53E-05	0.195937	2.01E-05	0.226824
0.263968	6.95E-09	0.134024	0.00371	0.644778	3.11E-56	0.457954	1.37E-25	0.435058
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0.152459	0.00095	-0.0255	0.58258	0.317996	1.96E-12	0.220969	1.42E-06	0.261833

0.308789	8.94E-12	0.112326	0.01516	0.744071	1.77E-83	0.496751	1.80E-30	0.564486
0.043905	0.34379	-0.01262	0.78554	0.263437	7.47E-09	0.306576	1.28E-11	0.133864
0.383758	7.80E-18	0.191323	3.16E-05	0.722704	1.29E-76	0.465327	1.81E-26	0.626226
0.366845	2.53E-16	0.232933	3.57E-07	0.745903	4.23E-84	0.603086	1.37E-47	0.560032
0.407401	4.24E-20	0.357278	1.66E-15	0.801245	#####	0.638153	9.04E-55	0.672207
0.364781	3.82E-16	0.1347	0.00354	0.568911	2.11E-41	0.417517	4.00E-21	0.380334
0.316875	2.37E-12	0.156206	0.00071	0.660752	6.50E-60	0.481984	1.54E-28	0.475141
0.153829	0.00085	0.100924	0.0292	0.41057	2.04E-20	0.300958	3.12E-11	0.363144
-0.20292	9.90E-06	-0.10498	0.02328	-0.54585	1.29E-37	-0.46082	6.29E-26	-0.37647
-0.27084	2.70E-09	-0.05018	0.27914	-0.4274	3.68E-22	-0.30983	7.56E-12	-0.29711
0.345614	1.51E-14	0.219569	1.66E-06	0.635376	3.62E-54	0.536014	4.32E-36	0.538394
0.162927	0.00041	0.077549	0.09415	0.572587	4.93E-42	0.382526	1.01E-17	0.507568
0.114184	0.01355	0.158822	0.00057	0.317053	2.30E-12	0.273656	1.82E-09	0.345199
0.051626	0.26553	0.016358	0.7244	0.507655	5.86E-32	0.303395	2.12E-11	0.39285
0.37589	4.04E-17	0.24455	8.69E-08	0.748895	4.00E-85	0.585921	2.17E-44	0.670195
0.226233	7.81E-07	-0.02705	0.55979	0.655708	9.98E-59	0.396956	4.47E-19	0.49518
0.052886	0.25403	-0.11541	0.01257	0.307603	1.08E-11	0.203598	9.23E-06	0.277634
0.067685	0.14417	-0.09048	0.0507	0.178661	0.0001	0.183836	6.44E-05	0.075978
0.324252	6.80E-13	0.091058	0.04923	0.592012	1.67E-45	0.31167	5.60E-12	0.535268
0.267769	4.13E-09	0.183523	6.63E-05	0.615961	4.02E-50	0.562448	2.60E-40	0.507296
0.05286	0.25426	0.017331	0.70873	0.433972	7.20E-23	0.323508	7.73E-13	0.442618
0.236915	2.22E-07	0.077939	0.09251	0.683846	1.19E-65	0.471788	2.94E-27	0.524598
0.237258	2.13E-07	0.228332	6.13E-07	0.632133	1.80E-53	0.562269	2.79E-40	0.475511
-0.25961	1.25E-08	0.063699	0.16937	-0.42143	1.57E-21	-0.20079	1.23E-05	-0.34965
0.252887	3.01E-08	0.327839	3.66E-13	0.612968	1.60E-49	0.561071	4.41E-40	0.578738
-0.19554	2.09E-05	-0.03503	0.45016	-0.39369	9.19E-19	-0.22224	1.23E-06	-0.38576
0.249991	4.37E-08	0.128824	0.0053	0.498441	1.07E-30	0.442493	8.23E-24	0.334686
0.125776	0.0065	-0.08929	0.05383	0.391606	1.45E-18	0.242762	1.09E-07	0.240067
0.087477	0.0589	0.018746	0.68618	-0.18069	8.61E-05	-0.24254	1.12E-07	-0.15643
0.02736	0.55534	-0.07632	0.09948	0.301023	3.09E-11	0.261049	1.03E-08	0.125241
0.335768	9.05E-14	0.33561	9.31E-14	0.766918	1.28E-91	0.675314	1.80E-63	0.557085
-0.13922	0.00257	-0.19322	2.62E-05	-0.39321	1.02E-18	-0.36081	8.35E-16	-0.37517
0.235168	2.74E-07	0.104902	0.02338	0.593145	1.03E-45	0.488436	2.27E-29	0.381474
0.254699	2.38E-08	0.176333	0.00013	0.608243	1.37E-48	0.438993	2.02E-23	0.494648
0.345015	1.68E-14	0.288008	2.27E-10	0.533212	1.15E-35	0.539677	1.18E-36	0.385143
0.404336	8.54E-20	0.278767	8.79E-10	0.710287	6.48E-73	0.481805	1.62E-28	0.623469
0.277373	1.07E-09	0.175164	0.00014	0.683291	1.65E-65	0.525266	1.77E-34	0.47969
0.296908	5.86E-11	0.142431	0.00203	0.69027	2.41E-67	0.537175	2.87E-36	0.534368
0.150807	0.00108	-0.16391	0.00038	0.374174	5.75E-17	0.290908	1.47E-10	0.154753
0.262065	8.98E-09	0.031558	0.49631	0.503353	2.30E-31	0.304379	1.82E-11	0.441596
0.126028	0.00639	-0.02826	0.54236	0.500639	5.39E-31	0.356249	2.02E-15	0.462195
-0.14154	0.00217	-0.10338	0.02548	-0.37487	4.98E-17	-0.36971	1.42E-16	-0.24733
0.331296	2.00E-13	0.254563	2.43E-08	0.60964	7.27E-49	0.5061	9.62E-32	0.493918
0.15934	0.00055	0.05581	0.22868	0.574834	2.01E-42	0.447917	2.00E-24	0.468361
0.171163	0.0002	0.100225	0.03035	0.443075	7.08E-24	0.275221	1.46E-09	0.375668

0.28189	5.59E-10	0.276019	1.30E-09	0.69544	9.70E-69	0.50048	5.66E-31	0.584287
0.354397	2.89E-15	0.28788	2.31E-10	0.642623	9.40E-56	0.511254	1.84E-32	0.502166
0.20798	5.84E-06	-0.11111	0.0163	0.276076	1.29E-09	0.199088	1.46E-05	0.231873
0.346222	1.35E-14	0.128682	0.00535	0.672553	8.82E-63	0.471809	2.92E-27	0.52847
0.112325	0.01516	0.04292	0.35474	0.286115	3.00E-10	0.297973	4.97E-11	0.262854
0.312636	4.78E-12	0.122722	0.00793	0.539911	1.09E-36	0.297311	5.51E-11	0.503707
0.299146	4.14E-11	0.152027	0.00098	0.678362	3.05E-64	0.508016	5.22E-32	0.552973
0.018433	0.69114	-0.17505	0.00014	0.385481	5.41E-18	0.247719	5.84E-08	0.247249
0.305433	1.53E-11	0.036748	0.4282	0.574859	1.99E-42	0.35917	1.15E-15	0.486449
0.370714	1.16E-16	0.222209	1.24E-06	0.568139	2.86E-41	0.378346	2.43E-17	0.478877
0.168851	0.00025	0.24687	6.50E-08	0.413108	1.13E-20	0.385892	4.96E-18	0.392653
-0.2625	8.48E-09	-0.20956	4.94E-06	-0.55715	1.96E-39	-0.45482	3.20E-25	-0.50168
0.19137	3.14E-05	0.143502	0.00188	0.640932	2.22E-55	0.422074	1.34E-21	0.577773
0.186379	5.07E-05	0.015622	0.73634	0.517131	2.69E-33	0.389154	2.46E-18	0.414756
0.110507	0.01689	0.242334	1.14E-07	0.416056	5.65E-21	0.559131	9.24E-40	0.312375
0.303976	1.94E-11	0.303065	2.24E-11	0.643971	4.72E-56	0.594066	6.94E-46	0.553309
0.220566	1.49E-06	0.085982	0.06338	0.488521	2.21E-29	0.421645	1.49E-21	0.342932
0.321965	1.01E-12	0.092575	0.04555	0.707374	4.48E-72	0.470852	3.83E-27	0.536273
0.170743	0.00021	0.342128	2.86E-14	0.44697	2.57E-24	0.610856	4.19E-49	0.311991
-0.07764	0.09376	0.116855	0.0115	-0.33092	2.14E-13	-0.24822	5.48E-08	-0.21194
0.274936	1.52E-09	0.170984	0.00021	0.728468	2.11E-78	0.545678	1.37E-37	0.580727
0.038883	0.40184	0.076995	0.09654	0.2084	5.59E-06	0.175488	0.00014	0.271992
0.271915	2.32E-09	0.179807	9.34E-05	0.522949	3.87E-34	0.421489	1.55E-21	0.425937
0.156033	0.00072	0.11503	0.01287	0.376574	3.51E-17	0.280461	6.88E-10	0.343616
0.170759	0.00021	0.361378	7.47E-16	0.389269	2.40E-18	0.542224	4.76E-37	0.326892
0.37955	1.89E-17	0.382371	1.05E-17	0.792952	#####	0.746853	2.01E-84	0.559746
-0.18986	3.63E-05	-0.15223	0.00097	-0.38395	7.49E-18	-0.3464	1.30E-14	-0.33791
0.247462	6.03E-08	0.176907	0.00012	0.565704	7.39E-41	0.518955	1.47E-33	0.40946
0.170186	0.00022	0.03777	0.41546	0.648015	5.83E-57	0.439834	1.63E-23	0.484658
0.210588	4.43E-06	0.220608	1.48E-06	0.612815	1.71E-49	0.621946	2.44E-51	0.466872
-0.23549	2.63E-07	-0.08338	0.07183	-0.53715	2.90E-36	-0.44884	1.57E-24	-0.40887
0.323778	7.38E-13	0.16145	0.00046	0.659326	1.41E-59	0.449216	1.42E-24	0.606106
0.008873	0.84834	0.184154	6.25E-05	-0.15286	0.00092	-0.09454	0.04115	-0.13552
0.390012	2.05E-18	0.186541	4.99E-05	0.66662	2.53E-61	0.380283	1.62E-17	0.582001
0.139301	0.00255	-0.02185	0.63771	0.539582	1.22E-36	0.319042	1.65E-12	0.463997
0.147294	0.00141	0.013717	0.76751	0.453709	4.31E-25	0.242313	1.15E-07	0.373617
0.185664	5.42E-05	-0.03851	0.40643	0.535567	5.06E-36	0.314989	3.24E-12	0.478116
0.262774	8.17E-09	0.131256	0.00449	0.351609	4.90E-15	0.310056	7.28E-12	0.33628
0.227787	6.53E-07	-0.04264	0.35791	0.249647	4.57E-08	0.287751	2.36E-10	0.09731
-0.16264	0.00042	-0.27452	1.61E-09	-0.34263	2.61E-14	-0.39895	2.87E-19	-0.35749
0.20597	7.21E-06	0.009244	0.84208	0.516916	2.89E-33	0.260391	1.12E-08	0.439583
0.331932	1.79E-13	0.338751	5.29E-14	0.602416	1.84E-47	0.608382	1.28E-48	0.471474
-0.17291	0.00017	-0.07069	0.12715	-0.50251	2.99E-31	-0.21641	2.36E-06	-0.53568
0.188503	4.14E-05	0.134181	0.00367	0.381641	1.22E-17	0.223293	1.09E-06	0.400854
0.126907	0.00603	0.194495	2.31E-05	0.412268	1.37E-20	0.436727	3.59E-23	0.346346

0.03047	0.51128	0.037815	0.41491	0.008616	0.85268	0.11372	0.01394	0.045597
0.18269	7.16E-05	0.214166	3.01E-06	0.461279	5.54E-26	0.36153	7.25E-16	0.328998
0.255577	2.12E-08	0.066179	0.15333	0.445726	3.56E-24	0.383635	8.01E-18	0.294239
0.297902	5.02E-11	0.209964	4.73E-06	0.681052	6.26E-65	0.435768	4.58E-23	0.601099
-0.03087	0.5057	-0.13066	0.00468	0.283994	4.11E-10	0.214368	2.95E-06	0.220435
0.331755	1.85E-13	0.360438	8.98E-16	0.666746	2.36E-61	0.561812	3.32E-40	0.591891
0.216451	2.35E-06	0.233158	3.48E-07	0.340279	4.01E-14	0.412088	1.43E-20	0.2982
0.276574	1.20E-09	0.258091	1.53E-08	0.506321	8.97E-32	0.45918	9.83E-26	0.405119
0.271058	2.62E-09	0.224672	9.34E-07	0.531789	1.89E-35	0.467665	9.41E-27	0.408184
-0.18132	8.13E-05	-0.20589	7.28E-06	-0.53623	4.01E-36	-0.46641	1.34E-26	-0.4319
0.374736	5.12E-17	0.346126	1.37E-14	0.818879	#####	0.722623	1.37E-76	0.61895
-0.08056	0.08202	-0.11732	0.01118	-0.50852	4.44E-32	-0.31611	2.69E-12	-0.38593
0.299784	3.75E-11	0.202398	1.04E-05	0.551881	1.40E-38	0.312389	4.97E-12	0.508896
0.294307	8.74E-11	0.336745	7.60E-14	0.70453	2.89E-71	0.6564	6.88E-59	0.551437
0.23368	3.27E-07	0.125587	0.00658	0.496366	2.03E-30	0.447436	2.27E-24	0.494344
0.25015	4.29E-08	0.198532	1.55E-05	0.522441	4.59E-34	0.525301	1.75E-34	0.425704
-0.2702	2.96E-09	-0.20412	8.74E-06	-0.34476	1.77E-14	-0.21751	2.09E-06	-0.34686
0.285635	3.23E-10	0.085622	0.06449	0.315722	2.87E-12	0.20703	6.45E-06	0.430916
0.036355	0.43316	-0.10304	0.02596	-0.32879	3.10E-13	-0.30432	1.83E-11	-0.30227
0.147858	0.00135	0.147003	0.00144	0.415065	7.14E-21	0.470892	3.79E-27	0.264426
0.139633	0.00249	0.053062	0.25245	0.45903	1.02E-25	0.392867	1.10E-18	0.305907
0.137384	0.00293	0.052372	0.25868	0.422623	1.18E-21	0.379283	2.00E-17	0.339304
0.165574	0.00033	-0.11191	0.01554	0.223212	1.10E-06	0.165307	0.00033	0.119669
0.412695	1.24E-20	0.337075	7.16E-14	0.780679	5.46E-97	0.627844	1.45E-52	0.671397
-0.28828	2.18E-10	-0.23329	3.42E-07	-0.48283	1.20E-28	-0.3888	2.66E-18	-0.47076
0.192303	2.87E-05	0.158617	0.00058	0.560728	5.03E-40	0.52916	4.68E-35	0.440786
0.271528	2.45E-09	0.216075	2.44E-06	0.645349	2.32E-56	0.63913	5.53E-55	0.467103
0.412554	1.29E-20	0.231819	4.08E-07	0.731901	1.73E-79	0.463815	2.75E-26	0.652725
0.19254	2.80E-05	0.036319	0.43362	0.446549	2.87E-24	0.307752	1.06E-11	0.36293
0.362816	5.63E-16	0.298615	4.50E-11	0.630841	3.38E-53	0.624385	7.66E-52	0.497471
0.186905	4.82E-05	0.228117	6.28E-07	0.518106	1.95E-33	0.537343	2.71E-36	0.350142
-0.12986	0.00494	0.078564	0.08991	-0.41894	2.84E-21	-0.2891	1.92E-10	-0.2941
0.417317	4.19E-21	0.27821	9.52E-10	0.713838	5.94E-74	0.567759	3.32E-41	0.574381
0.25812	1.52E-08	0.183877	6.41E-05	0.41734	4.17E-21	0.309965	7.39E-12	0.315629
0.128354	0.00547	0.071769	0.12144	0.381239	1.33E-17	0.358899	1.21E-15	0.294791
0.329035	2.97E-13	0.13871	0.00266	0.694225	2.08E-68	0.493894	4.34E-30	0.530262
0.228253	6.19E-07	0.287397	2.48E-10	0.53618	4.08E-36	0.577567	6.69E-43	0.486033
-0.01746	0.70666	0.047135	0.30942	0.299465	3.94E-11	0.268474	3.75E-09	0.158735
0.215069	2.73E-06	0.194673	2.27E-05	0.409749	2.47E-20	0.363053	5.37E-16	0.3326
0.257663	1.61E-08	0.309377	8.13E-12	0.64704	9.67E-57	0.637512	1.25E-54	0.478514
-0.204	8.85E-06	0.01334	0.77372	-0.44627	3.08E-24	-0.23896	1.73E-07	-0.29463
0.015918	0.73152	0.130999	0.00457	0.353483	3.43E-15	0.24697	6.42E-08	0.320601
0.348065	9.55E-15	0.354297	2.94E-15	0.62658	2.67E-52	0.608321	1.32E-48	0.49494
-0.14368	0.00185	-0.00627	0.89253	-0.36731	2.31E-16	-0.36833	1.88E-16	-0.26706
0.368009	2.01E-16	0.324364	6.67E-13	0.71732	5.50E-75	0.611089	3.76E-49	0.618512

0.422207	1.30E-21	0.285163	3.46E-10	0.779109	2.34E-96	0.548284	5.29E-38	0.643685
0.331568	1.91E-13	0.205606	7.49E-06	0.642779	8.68E-56	0.521673	5.94E-34	0.475711
0.213821	3.13E-06	0.073848	0.11099	0.541187	6.90E-37	0.467308	1.04E-26	0.318273
0.018198	0.69488	-0.01869	0.68699	0.266422	4.97E-09	0.216798	2.26E-06	0.218619
-0.35116	5.34E-15	-0.33586	8.90E-14	-0.49628	2.08E-30	-0.44338	6.55E-24	-0.44709
0.182942	7.00E-05	0.09424	0.04179	0.491794	8.22E-30	0.447751	2.09E-24	0.376073
0.197602	1.70E-05	0.062834	0.17524	0.49579	2.42E-30	0.353545	3.39E-15	0.322657
0.258628	1.42E-08	0.063392	0.17143	0.594028	7.05E-46	0.358157	1.40E-15	0.539432
0.119489	0.00975	0.053608	0.2476	0.3572	1.68E-15	0.323536	7.69E-13	0.250852
0.161413	0.00046	0.151496	0.00102	0.597396	1.65E-46	0.547366	7.40E-38	0.48852
0.37411	5.82E-17	0.20795	5.86E-06	0.591778	1.84E-45	0.375921	4.01E-17	0.550536
-0.13754	0.0029	-0.0451	0.3308	-0.40069	1.95E-19	-0.28957	1.79E-10	-0.35039
0.057102	0.21807	-0.04463	0.33583	0.331937	1.79E-13	0.195044	2.19E-05	0.288379
-0.1842	6.22E-05	-0.16754	0.00028	-0.42513	6.40E-22	-0.34831	9.12E-15	-0.36301
0.301544	2.84E-11	0.252177	3.30E-08	0.683093	1.86E-65	0.625625	4.23E-52	0.54817
0.164317	0.00036	0.210456	4.49E-06	0.59214	1.58E-45	0.629835	5.53E-53	0.379932
0.299711	3.79E-11	0.298505	4.57E-11	0.611848	2.66E-49	0.388635	2.75E-18	0.546192
0.249446	4.69E-08	0.239774	1.57E-07	0.61202	2.46E-49	0.529593	4.03E-35	0.539193
0.28619	2.97E-10	0.246086	7.17E-08	0.332625	1.58E-13	0.307476	1.11E-11	0.276228
0.290849	1.48E-10	0.145132	0.00166	0.622059	2.31E-51	0.340772	3.67E-14	0.545229
0.376185	3.80E-17	0.299672	3.81E-11	0.673662	4.66E-63	0.432421	1.06E-22	0.622605
0.087105	0.05999	0.15782	0.00062	0.290469	1.57E-10	0.315688	2.89E-12	0.274673
0.195864	2.02E-05	0.030514	0.51067	0.448145	1.89E-24	0.363937	4.51E-16	0.373418
0.09022	0.05136	0.05424	0.24206	0.379157	2.05E-17	0.355746	2.23E-15	0.366908
0.342209	2.82E-14	0.175532	0.00014	0.645606	2.03E-56	0.465685	1.64E-26	0.543041
0.370505	1.21E-16	0.200106	1.32E-05	0.7548	3.43E-87	0.543896	2.61E-37	0.619242
0.330368	2.36E-13	0.263223	7.69E-09	0.750216	1.40E-85	0.658533	2.18E-59	0.53085
0.111504	0.01592	-0.08712	0.05994	0.238296	1.88E-07	0.118707	0.01024	0.238854
0.407643	4.01E-20	0.385147	5.81E-18	0.748526	5.36E-85	0.723931	5.43E-77	0.578577
0.30166	2.79E-11	0.287467	2.46E-10	0.652013	7.15E-58	0.601851	2.36E-47	0.511929
0.098834	0.03273	-0.07768	0.09359	0.45494	3.10E-25	0.320421	1.31E-12	0.370022
0.195333	2.13E-05	-0.07086	0.12622	0.457446	1.58E-25	0.26121	1.01E-08	0.394114
0.138937	0.00262	0.043544	0.34778	0.578	5.61E-43	0.480918	2.11E-28	0.419324
0.197139	1.78E-05	0.158072	0.00061	0.509216	3.55E-32	0.482549	1.31E-28	0.425823
-0.0384	0.40772	-0.04986	0.28226	-0.24591	7.34E-08	-0.20727	6.29E-06	-0.25726
0.268141	3.93E-09	0.143163	0.00193	0.67974	1.36E-64	0.462387	4.08E-26	0.576202
0.064685	0.16284	0.338367	5.67E-14	-0.09825	0.03378	-0.01222	0.79232	-0.03889
0.285613	3.24E-10	0.408162	3.56E-20	0.639246	5.22E-55	0.54802	5.83E-38	0.596146
-0.13776	0.00285	-0.30394	1.95E-11	-0.3285	3.27E-13	-0.34864	8.58E-15	-0.37218
0.215298	2.66E-06	0.165393	0.00033	0.598727	9.26E-47	0.432745	9.78E-23	0.476677
0.256006	2.01E-08	0.205212	7.81E-06	0.558752	1.07E-39	0.536904	3.16E-36	0.404224
-0.11231	0.01517	-0.07002	0.13081	-0.29978	3.75E-11	-0.17211	0.00019	-0.37437
0.323234	8.10E-13	0.160635	0.00049	0.643795	5.16E-56	0.513076	1.02E-32	0.546639
0.180646	8.65E-05	0.102674	0.02651	0.369062	1.62E-16	0.202199	1.07E-05	0.398389
-0.08186	0.07719	-0.09414	0.04202	0.216875	2.24E-06	0.135956	0.00324	0.217411

0.29284	1.09E-10	0.140178	0.0024	0.583637	5.59E-44	0.404306	8.60E-20	0.381087
0.337667	6.44E-14	0.346478	1.28E-14	0.637973	9.90E-55	0.637289	1.39E-54	0.550329
0.185154	5.69E-05	0.263641	7.26E-09	0.628843	8.96E-53	0.551281	1.75E-38	0.534513
0.153833	0.00085	-0.01649	0.72225	0.546225	1.12E-37	0.374975	4.88E-17	0.406447
-0.03553	0.44365	0.08013	0.08367	0.325043	5.94E-13	0.266421	4.98E-09	0.340822
0.238029	1.94E-07	0.06433	0.16517	0.633911	7.48E-54	0.434903	5.70E-23	0.521683
-0.28989	1.71E-10	-0.14534	0.00164	-0.57489	1.97E-42	-0.33594	8.77E-14	-0.5283
0.240015	1.52E-07	0.187514	4.55E-05	0.612785	1.74E-49	0.501137	4.61E-31	0.42346
-0.00962	0.83579	-0.092	0.04692	-0.34809	9.51E-15	-0.31268	4.75E-12	-0.21027
0.128655	0.00536	0.030007	0.51771	0.332634	1.58E-13	0.17596	0.00013	0.346561
0.352615	4.05E-15	0.309957	7.40E-12	0.56001	6.61E-40	0.47592	9.00E-28	0.465993
0.286469	2.85E-10	0.202621	1.02E-05	0.606303	3.26E-48	0.513455	8.99E-33	0.481757
0.281272	6.12E-10	0.170005	0.00022	0.646657	1.18E-56	0.553675	7.21E-39	0.540286
0.203841	9.00E-06	0.230012	5.04E-07	0.474622	1.31E-27	0.488224	2.42E-29	0.295734
0.264972	6.06E-09	0.189448	3.78E-05	0.547942	5.99E-38	0.492989	5.71E-30	0.351461
0.30047	3.37E-11	0.104891	0.0234	0.699992	5.42E-70	0.445735	3.55E-24	0.541357
0.238041	1.94E-07	0.149529	0.00119	0.57585	1.34E-42	0.456053	2.30E-25	0.329943
0.140642	0.00232	-0.04591	0.32215	0.278775	8.78E-10	0.244684	8.55E-08	0.147039
-0.19123	3.18E-05	-0.33661	7.78E-14	-0.37536	4.50E-17	-0.35804	1.43E-15	-0.40683
-0.14448	0.00175	-0.0952	0.03974	-0.4728	2.20E-27	-0.37726	3.05E-17	-0.44679
-0.13049	0.00474	-0.37622	3.78E-17	-0.4338	7.51E-23	-0.48097	2.08E-28	-0.44174
0.139555	0.00251	0.031547	0.49646	0.399349	2.63E-19	0.382141	1.10E-17	0.352786
0.085306	0.06549	-0.02812	0.54444	0.304795	1.70E-11	0.238915	1.74E-07	0.240699
0.142343	0.00205	-0.0886	0.0557	0.462767	3.68E-26	0.343917	2.06E-14	0.312515
-0.01941	0.67574	0.122217	0.00819	0.242578	1.11E-07	0.214251	2.98E-06	0.297363
-0.29346	9.95E-11	-0.21518	2.70E-06	-0.52392	2.79E-34	-0.406	5.84E-20	-0.4178
-0.17719	0.00012	-0.08972	0.05267	-0.42259	1.19E-21	-0.30935	8.17E-12	-0.30667
0.096614	0.03688	0.001158	0.98009	0.300664	3.26E-11	0.221411	1.35E-06	0.25869
0.263028	7.89E-09	0.355745	2.23E-15	0.556478	2.52E-39	0.641964	1.32E-55	0.530579
0.401415	1.65E-19	0.298394	4.65E-11	0.814253	#####	0.587468	1.14E-44	0.707667
0.056501	0.22296	-0.06782	0.14334	0.287809	2.33E-10	0.158515	0.00059	0.214049
0.179891	9.27E-05	0.155264	0.00076	0.529593	4.03E-35	0.53692	3.14E-36	0.313532
0.315689	2.89E-12	0.208724	5.40E-06	0.656164	7.82E-59	0.47784	5.17E-28	0.551743
-0.16271	0.00042	-0.24832	5.41E-08	-0.37599	3.96E-17	-0.33251	1.61E-13	-0.36659
0.143143	0.00193	0.030051	0.51711	0.330768	2.20E-13	0.217884	2.00E-06	0.190887
0.322814	8.70E-13	0.295224	7.60E-11	0.59867	9.49E-47	0.492199	7.27E-30	0.463483
0.25083	3.93E-08	0.11868	0.01026	0.420714	1.86E-21	0.418508	3.16E-21	0.272349
0.335817	8.97E-14	0.19101	3.25E-05	0.621083	3.67E-51	0.497895	1.27E-30	0.505542
0.344744	1.77E-14	0.349495	7.31E-15	0.762435	5.97E-90	0.713211	9.08E-74	0.577135
0.343134	2.38E-14	0.15023	0.00113	0.50489	1.41E-31	0.326121	4.93E-13	0.454199
0.184825	5.87E-05	-0.01177	0.79967	0.37769	2.78E-17	0.270037	3.02E-09	0.281448
0.142201	0.00207	0.275086	1.49E-09	0.528589	5.70E-35	0.537814	2.29E-36	0.403349
0.110582	0.01682	0.123517	0.00753	0.301556	2.84E-11	0.227422	6.81E-07	0.30541
0.409347	2.71E-20	0.400921	1.85E-19	0.819971	#####	0.707657	3.72E-72	0.661273
0.224979	9.02E-07	0.05944	0.19977	0.601159	3.19E-47	0.351282	5.22E-15	0.482303

0.360276	9.27E-16	0.382646	9.87E-18	0.660044	9.57E-60	0.601964	2.24E-47	0.575913
0.132489	0.00413	0.22722	6.97E-07	-0.2448	8.43E-08	-0.11217	0.0153	-0.17696
0.26761	4.23E-09	0.386939	3.96E-18	0.585692	2.38E-44	0.584522	3.87E-44	0.482643
-0.10955	0.01788	-0.18599	5.26E-05	-0.41753	3.98E-21	-0.35431	2.93E-15	-0.39546
0.032423	0.48456	-0.06986	0.13171	-0.25166	3.53E-08	-0.28463	3.74E-10	-0.3155
-0.14725	0.00142	-0.09207	0.04675	-0.39908	2.79E-19	-0.31669	2.44E-12	-0.38254
0.082407	0.07523	-0.02634	0.57023	0.279631	7.76E-10	0.256091	1.99E-08	0.150974
0.245972	7.28E-08	0.05214	0.2608	0.282377	5.21E-10	0.322224	9.62E-13	0.148351
0.25688	1.79E-08	0.23445	2.98E-07	0.529898	3.63E-35	0.497319	1.51E-30	0.456314
0.14712	0.00143	0.024786	0.59315	0.29074	1.50E-10	0.206707	6.68E-06	0.217359
0.430028	1.92E-22	0.285579	3.25E-10	0.681077	6.16E-65	0.506889	7.48E-32	0.584135
0.265373	5.74E-09	0.238626	1.80E-07	0.621019	3.78E-51	0.520232	9.62E-34	0.494593
0.412834	1.20E-20	0.270096	3.00E-09	0.791088	#####	0.586384	1.79E-44	0.624544
0.216038	2.45E-06	0.012179	0.79294	0.429894	1.99E-22	0.298563	4.53E-11	0.348247
0.189758	3.67E-05	0.156429	0.00069	0.347416	1.08E-14	0.282452	5.15E-10	0.330677
0.334686	1.10E-13	0.400821	1.89E-19	0.737457	2.78E-81	0.596525	2.41E-46	0.644143
0.380244	1.64E-17	0.267179	4.48E-09	0.665928	3.73E-61	0.635576	3.28E-54	0.444631
0.027073	0.5595	-0.13931	0.00255	0.247174	6.25E-08	0.17984	9.31E-05	0.129333
0.303122	2.22E-11	0.253254	2.87E-08	0.610908	4.09E-49	0.572716	4.69E-42	0.503632
-0.16816	0.00026	0.053029	0.25275	-0.27845	9.20E-10	-0.13271	0.00407	-0.2208
0.176974	0.00012	0.162199	0.00043	0.519568	1.20E-33	0.400732	1.93E-19	0.501424
0.388949	2.57E-18	0.272259	2.22E-09	0.6604	7.88E-60	0.465849	1.56E-26	0.579059
0.156511	0.00069	0.184624	5.98E-05	-0.11664	0.01165	-0.09128	0.04867	-0.12895
-0.11825	0.01054	-0.07918	0.08741	-0.3747	5.16E-17	-0.36956	1.47E-16	-0.3399
-0.01108	0.81127	0.114423	0.01335	-0.29044	1.57E-10	-0.25095	3.87E-08	-0.19773
0.352888	3.85E-15	0.259269	1.31E-08	0.615478	5.03E-50	0.535868	4.55E-36	0.412098
0.449687	1.26E-24	0.273116	1.96E-09	0.778177	5.52E-96	0.637474	1.27E-54	0.608442
-0.14213	0.00208	-0.24952	4.64E-08	-0.33978	4.39E-14	-0.30379	1.99E-11	-0.34586
-0.0658	0.15571	-0.13737	0.00293	-0.43822	2.46E-23	-0.29582	6.94E-11	-0.38201
0.156422	0.00069	-0.01893	0.68333	0.276299	1.25E-09	0.16178	0.00045	0.307283
0.071564	0.1225	-0.00439	0.92461	0.462119	4.39E-26	0.430575	1.68E-22	0.302527
0.213784	3.14E-06	-0.00933	0.84062	0.618989	9.82E-51	0.371395	1.01E-16	0.442082
0.079696	0.08537	0.16372	0.00038	0.416956	4.57E-21	0.320707	1.24E-12	0.396734
0.248762	5.12E-08	0.21933	1.71E-06	0.616636	2.94E-50	0.533262	1.13E-35	0.499651
0.103223	0.0257	0.030219	0.51476	0.292131	1.22E-10	0.315699	2.88E-12	0.172453
-0.13825	0.00275	-0.18831	4.22E-05	-0.3287	3.15E-13	-0.44093	1.23E-23	-0.24049
0.156869	0.00067	0.102134	0.02731	0.42805	3.13E-22	0.503117	2.48E-31	0.262944
-0.01946	0.67488	0.080429	0.08252	-0.24159	1.25E-07	-0.10371	0.025	-0.21657
-0.23745	2.08E-07	-0.24507	8.15E-08	-0.38893	2.59E-18	-0.35908	1.17E-15	-0.28345
-0.12356	0.00751	0.030203	0.51499	-0.16942	0.00024	-0.07963	0.08563	-0.17497
0.233651	3.28E-07	0.115353	0.01262	0.401639	1.57E-19	0.367637	2.16E-16	0.267644
0.170142	0.00022	0.186917	4.82E-05	0.425565	5.76E-22	0.435346	5.09E-23	0.335996
0.322069	9.88E-13	0.182518	7.28E-05	0.680627	8.04E-65	0.481955	1.55E-28	0.570309
0.262523	8.45E-09	0.169828	0.00023	0.480699	2.25E-28	0.448895	1.55E-24	0.304909
0.200028	1.33E-05	0.022551	0.6269	0.609231	8.75E-49	0.437962	2.63E-23	0.503149

0.261065	1.03E-08	0.273399	1.89E-09	0.728192	2.58E-78	0.657698	3.42E-59	0.585956
-0.15466	0.0008	0.018812	0.68513	-0.34249	2.68E-14	-0.18385	6.43E-05	-0.24729
0.10802	0.01955	0.155528	0.00074	0.467241	1.06E-26	0.508042	5.17E-32	0.37296
0.179703	9.43E-05	0.196917	1.82E-05	0.483075	1.12E-28	0.362793	5.66E-16	0.479142
0.246575	6.75E-08	0.10124	0.0287	0.628795	9.17E-53	0.370884	1.12E-16	0.582621
0.343573	2.20E-14	0.16931	0.00024	0.632022	1.90E-53	0.426948	4.11E-22	0.478315
0.276514	1.21E-09	0.16484	0.00035	0.670871	2.30E-62	0.467517	9.81E-27	0.498809
0.141417	0.00219	0.068791	0.13772	0.539095	1.46E-36	0.462122	4.39E-26	0.419214
-0.1629	0.00041	-0.16315	0.0004	-0.48431	7.76E-29	-0.23405	3.13E-07	-0.45763
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0.102951	0.0261	0.002697	0.95365	0.312703	4.73E-12	0.205791	7.35E-06	0.233485
0.239974	1.53E-07	0.001515	0.97396	0.547612	6.76E-38	0.371504	9.91E-17	0.430705
0.061583	0.18401	0.260187	1.16E-08	0.451677	7.42E-25	0.469985	4.90E-27	0.385987
0.019434	0.67531	-0.16048	0.0005	-0.58429	4.26E-44	-0.35431	2.93E-15	-0.51353
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0.248357	5.39E-08	0.166184	0.00031	0.681507	4.78E-65	0.593024	1.08E-45	0.489786
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0.369631	1.45E-16	0.088029	0.05731	0.449787	1.22E-24	0.355806	2.20E-15	0.430016
0.143232	0.00192	0.28038	6.96E-10	0.441727	1.00E-23	0.666125	3.34E-61	0.254152
0.364782	3.82E-16	0.172713	0.00018	0.656416	6.83E-59	0.481924	1.57E-28	0.458037
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0.197649	1.69E-05	-0.02513	0.58809	0.556344	2.65E-39	0.339626	4.52E-14	0.441612
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0.417289	4.22E-21	0.217196	2.16E-06	0.463715	2.83E-26	0.36733	2.30E-16	0.364953
0.186046	5.23E-05	0.135134	0.00343	0.615236	5.62E-50	0.513295	9.48E-33	0.461209
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0.25238	3.22E-08	0.069354	0.13451	0.630584	3.84E-53	0.458547	1.17E-25	0.448271
0.314662	3.42E-12	0.317149	2.26E-12	0.642618	9.43E-56	0.606716	2.71E-48	0.497152
0.186892	4.83E-05	0.143693	0.00185	0.549935	2.88E-38	0.383841	7.67E-18	0.625789
0.107653	0.01997	0.126758	0.00609	0.555473	3.68E-39	0.5142	7.05E-33	0.430894
0.204694	8.24E-06	0.30939	8.11E-12	0.513105	1.01E-32	0.680505	8.64E-65	0.306479
0.272671	2.09E-09	0.057	0.21889	0.543762	2.74E-37	0.325403	5.58E-13	0.351273
0.013386	0.77295	0.108009	0.01956	-0.3246	6.41E-13	-0.23033	4.86E-07	-0.29159
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0.268867	3.55E-09	0.185523	5.50E-05	0.470285	4.50E-27	0.296518	6.22E-11	0.416013
0.20707	6.43E-06	0.258006	1.54E-08	0.533957	8.89E-36	0.53649	3.66E-36	0.498442
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0.271314	2.53E-09	0.208581	5.48E-06	0.618575	1.19E-50	0.474448	1.37E-27	0.522585
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0.220502	1.50E-06	0.071134	0.12477	0.581015	1.64E-43	0.481473	1.79E-28	0.463434
0.409449	2.65E-20	0.134331	0.00363	0.563831	1.53E-40	0.414397	8.35E-21	0.52257
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0.141522	0.00217	0.139724	0.00248	0.374017	5.94E-17	0.411498	1.65E-20	0.283876



0.097696	0.0348	0.043137	0.3523	-0.18282	7.07E-05	-0.11241	0.01508	-0.19479
0.267691	4.18E-09	0.196594	1.88E-05	0.506504	8.46E-32	0.248225	5.48E-08	0.45698
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0.098022	0.0342	0.006274	0.89244	0.354221	2.98E-15	0.325617	5.38E-13	0.220936
0.053216	0.25107	-0.00959	0.83626	0.296265	6.47E-11	0.196536	1.89E-05	0.211955
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0.230875	4.55E-07	0.060808	0.1896	0.485134	6.07E-29	0.418376	3.26E-21	0.410758
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0.292164	1.21E-10	0.277483	1.06E-09	0.731226	2.84E-79	0.622008	2.37E-51	0.610392
0.08597	0.06341	-0.16166	0.00045	0.369057	1.63E-16	0.250655	4.02E-08	0.174007
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0.261741	9.38E-09	0.160367	0.0005	0.644256	4.07E-56	0.478555	4.20E-28	0.471241
0.309067	8.55E-12	0.071511	0.12278	0.516059	3.83E-33	0.301854	2.71E-11	0.445961
0.154497	0.00081	0.025545	0.58187	0.587454	1.14E-44	0.427411	3.67E-22	0.389918
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0.193202	2.63E-05	-0.01939	0.67592	0.344696	1.79E-14	0.294909	7.97E-11	0.234905
0.024556	0.59658	-0.18112	8.28E-05	0.285615	3.23E-10	0.216854	2.24E-06	0.126839
0.019748	0.67036	0.00876	0.85024	0.350419	6.14E-15	0.28253	5.09E-10	0.300025
0.301949	2.67E-11	-0.0135	0.7711	0.396777	4.65E-19	0.172123	0.00019	0.329381
0.248049	5.60E-08	0.378825	2.20E-17	0.570376	1.19E-41	0.623679	1.07E-51	0.411548
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0.179389	9.70E-05	0.049759	0.28324	0.630247	4.52E-53	0.461937	4.62E-26	0.446822
0.332977	1.49E-13	0.359397	1.10E-15	0.646155	1.53E-56	0.634232	6.38E-54	0.536319
0.20364	9.19E-06	0.040384	0.3839	0.368332	1.88E-16	0.22779	6.53E-07	0.248173
0.286392	2.88E-10	0.353619	3.35E-15	0.598671	9.48E-47	0.629238	7.39E-53	0.397122
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0.262332	8.67E-09	0.003029	0.94796	0.507063	7.08E-32	0.340011	4.21E-14	0.349779
0.299707	3.79E-11	0.133497	0.00385	0.338309	5.73E-14	0.238674	1.79E-07	0.349078
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0.2781	9.67E-10	0.288603	2.07E-10	0.546193	1.13E-37	0.427547	3.55E-22	0.503633
0.132624	0.00409	0.157035	0.00066	0.272735	2.07E-09	0.314871	3.30E-12	0.217609
0.174763	0.00015	0.149054	0.00124	0.522451	4.58E-34	0.430095	1.89E-22	0.446065
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0.184597	5.99E-05	0.080701	0.08149	0.41487	7.47E-21	0.383931	7.52E-18	0.28865
0.180203	9.01E-05	0.044555	0.33668	0.538298	1.93E-36	0.468082	8.37E-27	0.409917
0.109208	0.01824	0.05518	0.23398	0.437128	3.25E-23	0.435958	4.37E-23	0.338996
0.291713	1.30E-10	0.347726	1.02E-14	0.574361	2.43E-42	0.528938	5.05E-35	0.469678
0.270855	2.70E-09	0.059295	0.20088	0.355631	2.28E-15	0.241716	1.24E-07	0.333727
0.299151	4.14E-11	0.260687	1.08E-08	0.607476	1.93E-48	0.667477	1.57E-61	0.399639
0.105271	0.0229	0.147289	0.00141	0.488171	2.45E-29	0.52763	7.91E-35	0.354071
0.228035	6.34E-07	0.132447	0.00414	0.496342	2.04E-30	0.437636	2.85E-23	0.38357
0.15671	0.00068	0.17056	0.00021	0.284962	3.56E-10	0.263115	7.80E-09	0.256503
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0.018809	0.68517	0.269392	3.30E-09	-0.24661	6.71E-08	-0.17685	0.00012	-0.18029
0.376344	3.68E-17	0.246988	6.40E-08	0.713901	5.69E-74	0.543121	3.45E-37	0.640176
0.357138	1.70E-15	0.128165	0.00554	0.696412	5.26E-69	0.371379	1.02E-16	0.609256
0.142642	0.002	-0.04224	0.36242	0.374796	5.06E-17	0.372152	8.69E-17	0.228925
0.251987	3.39E-08	0.297311	5.51E-11	0.522368	4.71E-34	0.456426	2.08E-25	0.427815
0.109318	0.01812	0.225466	8.53E-07	0.429049	2.45E-22	0.559551	7.88E-40	0.239153
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0.050904	0.27229	0.10264	0.02656	0.535964	4.40E-36	0.472398	2.47E-27	0.436932
0.164698	0.00035	0.192078	2.93E-05	0.58297	7.36E-44	0.458842	1.08E-25	0.531209
0.300297	3.46E-11	0.361194	7.74E-16	0.57201	6.21E-42	0.616871	2.64E-50	0.451835
0.273007	1.99E-09	0.188684	4.07E-05	0.594406	5.99E-46	0.597498	1.58E-46	0.453649
0.133101	0.00396	0.118334	0.01049	0.43517	5.33E-23	0.390898	1.69E-18	0.257603
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0.351172	5.33E-15	0.193905	2.45E-05	0.600307	4.64E-47	0.562115	2.96E-40	0.405322
0.160943	0.00048	0.148432	0.0013	0.621297	3.32E-51	0.554188	5.95E-39	0.474018
0.296023	6.72E-11	0.217507	2.09E-06	0.714478	3.85E-74	0.533715	9.67E-36	0.547007
0.236049	2.46E-07	0.132513	0.00412	0.555684	3.40E-39	0.555574	3.54E-39	0.351217
0.26628	5.07E-09	0.256771	1.82E-08	0.674894	2.29E-63	0.632774	1.31E-53	0.515095
0.237538	2.06E-07	0.156937	0.00067	0.669958	3.86E-62	0.518509	1.71E-33	0.541609
0.285046	3.52E-10	0.094049	0.04221	0.686668	2.17E-66	0.526216	1.28E-34	0.447939
0.146263	0.00153	0.035847	0.43962	0.298275	4.74E-11	0.166599	0.0003	0.280448
-0.13196	0.00428	-0.01672	0.71862	-0.32399	7.11E-13	-0.19501	2.20E-05	-0.18227
0.236384	2.37E-07	0.335169	1.01E-13	0.423536	9.43E-22	0.415483	6.47E-21	0.369478
0.102577	0.02665	0.123608	0.00749	0.366745	2.58E-16	0.405229	6.97E-20	0.250587
0.38547	5.42E-18	0.165921	0.00032	0.473747	1.68E-27	0.375876	4.05E-17	0.352099
-0.22013	1.56E-06	-0.4211	1.70E-21	-0.45213	6.58E-25	-0.50672	7.89E-32	-0.48884
0.229595	5.29E-07	0.15321	0.00089	0.626211	3.19E-52	0.599359	7.03E-47	0.413128
0.175008	0.00014	0.197403	1.73E-05	0.527967	7.05E-35	0.41702	4.50E-21	0.437442
0.178748	0.0001	0.142613	0.00201	0.648047	5.73E-57	0.54121	6.85E-37	0.502677
0.307776	1.05E-11	0.230719	4.64E-07	0.684615	7.47E-66	0.565125	9.25E-41	0.516736
0.207547	6.11E-06	0.07098	0.12559	0.57703	8.31E-43	0.423687	9.09E-22	0.451485
0.148874	0.00125	0.2996	3.86E-11	0.567351	3.89E-41	0.551109	1.87E-38	0.464926
0.261534	9.65E-09	0.167031	0.00029	0.545467	1.48E-37	0.353279	3.57E-15	0.508911
0.148368	0.0013	-0.01543	0.73943	0.460161	7.52E-26	0.265039	6.01E-09	0.352898
-0.14326	0.00191	-0.02747	0.55371	-0.38229	1.06E-17	-0.26556	5.59E-09	-0.33296
-0.09807	0.03411	-0.14696	0.00145	-0.36119	7.76E-16	-0.2977	5.18E-11	-0.27956
0.17718	0.00012	0.129123	0.0052	0.463167	3.29E-26	0.371784	9.36E-17	0.29543
-0.26208	8.97E-09	-0.20548	7.59E-06	-0.54723	7.78E-38	-0.39714	4.30E-19	-0.47061
0.485522	5.41E-29	0.298934	4.28E-11	0.746849	2.02E-84	0.613505	1.25E-49	0.525588
-0.07697	0.09667	0.001354	0.97672	-0.37247	8.14E-17	-0.24138	1.29E-07	-0.29374
-0.04314	0.35226	-0.185	5.77E-05	-0.28526	3.41E-10	-0.33103	2.10E-13	-0.26341
0.176376	0.00013	0.130689	0.00467	0.467509	9.83E-27	0.320055	1.39E-12	0.475666
0.14336	0.0019	-0.0328	0.47946	0.516261	3.59E-33	0.388592	2.78E-18	0.292145

0.227936	6.42E-07	0.008272	0.8585	0.456634	1.96E-25	0.21194	3.83E-06	0.387561
0.259971	1.19E-08	0.155749	0.00073	0.711256	3.39E-73	0.536785	3.30E-36	0.591718
0.163474	0.00039	0.005675	0.90265	0.475116	1.13E-27	0.335357	9.74E-14	0.332587
0.365038	3.63E-16	0.302175	2.57E-11	0.732971	7.87E-80	0.531425	2.14E-35	0.655838
0.29816	4.83E-11	0.069989	0.13097	0.575018	1.87E-42	0.401508	1.62E-19	0.491555
-0.08554	0.06475	-0.11919	0.00994	-0.36188	6.77E-16	-0.2776	1.04E-09	-0.42398
0.198362	1.57E-05	0.022359	0.62984	0.418119	3.46E-21	0.30788	1.04E-11	0.373077
0.315681	2.89E-12	0.093747	0.04288	0.675245	1.87E-63	0.47505	1.16E-27	0.536225
0.197518	1.71E-05	0.082027	0.07658	0.538444	1.83E-36	0.394675	7.40E-19	0.428899
0.175941	0.00013	0.008215	0.85946	0.32743	3.93E-13	0.214963	2.76E-06	0.14671
0.362454	6.05E-16	0.106079	0.02186	0.529201	4.62E-35	0.317792	2.03E-12	0.570571
-0.11502	0.01288	-0.21863	1.84E-06	-0.38409	7.27E-18	-0.28994	1.70E-10	-0.4267
0.040831	0.37866	-0.04943	0.28639	0.455863	2.42E-25	0.369257	1.56E-16	0.353419
0.287842	2.32E-10	-0.09203	0.04685	0.235867	2.52E-07	0.216369	2.37E-06	0.172063
0.196618	1.87E-05	0.042133	0.36363	0.358202	1.39E-15	0.239453	1.63E-07	0.328389
0.074584	0.10746	-0.10123	0.02871	0.32337	7.91E-13	0.224474	9.55E-07	0.131124
0.256411	1.90E-08	0.054756	0.2376	0.620382	5.11E-51	0.378325	2.44E-17	0.435092
0.102892	0.02618	0.045066	0.33117	0.326321	4.76E-13	0.152639	0.00094	0.329346
0.315469	2.99E-12	0.289357	1.85E-10	0.534911	6.37E-36	0.61181	2.71E-49	0.356798
0.311799	5.48E-12	0.127474	0.0058	0.653049	4.13E-58	0.486874	3.62E-29	0.514225
0.145281	0.00164	0.155844	0.00073	0.393171	1.03E-18	0.326413	4.69E-13	0.310379
0.192116	2.92E-05	0.178943	0.0001	0.345212	1.62E-14	0.285136	3.47E-10	0.349192
0.346992	1.17E-14	0.208413	5.58E-06	0.680583	8.26E-65	0.383544	8.17E-18	0.621539
0.325633	5.37E-13	0.110285	0.01712	0.404334	8.54E-20	0.269632	3.20E-09	0.38968
0.298052	4.91E-11	0.162878	0.00041	0.382932	9.29E-18	0.307318	1.13E-11	0.378944
0.166645	0.0003	0.233748	3.24E-07	0.483842	8.91E-29	0.359658	1.05E-15	0.498766
0.328789	3.10E-13	0.251753	3.49E-08	0.715716	1.65E-74	0.495786	2.43E-30	0.588034
0.168369	0.00026	0.133396	0.00388	0.390669	1.77E-18	0.341915	2.98E-14	0.278784
0.227079	7.09E-07	0.106826	0.02095	0.461545	5.15E-26	0.480475	2.40E-28	0.299778
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0.182171	7.51E-05	0.064533	0.16383	0.527943	7.11E-35	0.492524	6.59E-30	0.336426
0.349448	7.37E-15	0.227961	6.40E-07	0.569214	1.87E-41	0.583454	6.03E-44	0.437112
0.121568	0.00854	-0.01169	0.80106	0.389183	2.45E-18	0.192768	2.74E-05	0.256161
0.162497	0.00042	-0.0146	0.75304	0.3575	1.59E-15	0.335628	9.28E-14	0.111998
0.020136	0.66427	0.152561	0.00094	0.231294	4.34E-07	0.374787	5.07E-17	0.178274
0.081099	0.07999	-0.03146	0.49764	0.196434	1.91E-05	0.217884	2.00E-06	0.113742
0.334635	1.11E-13	0.072536	0.11749	0.5203	9.40E-34	0.374913	4.94E-17	0.389669
0.268825	3.57E-09	0.124788	0.00693	0.418841	2.92E-21	0.315487	2.98E-12	0.297565
0.377188	3.09E-17	0.277951	9.88E-10	0.676721	7.95E-64	0.552609	1.07E-38	0.472305
0.424225	7.98E-22	0.320202	1.36E-12	0.626697	2.53E-52	0.566952	4.55E-41	0.430284
0.160803	0.00049	0.025743	0.57896	0.310237	7.07E-12	0.230324	4.86E-07	0.197045
0.1951	2.18E-05	0.062243	0.17934	0.371614	9.69E-17	0.333234	1.42E-13	0.227733
0.234179	3.08E-07	0.114994	0.0129	0.361885	6.76E-16	0.248343	5.39E-08	0.313075
0.24505	8.17E-08	0.18824	4.25E-05	0.490877	1.09E-29	0.407393	4.25E-20	0.437461
0.186511	5.01E-05	0.117922	0.01076	0.331894	1.80E-13	0.170742	0.00021	0.380813

-0.15909	0.00056	0.025644	0.58042	-0.36031	9.21E-16	-0.26908	3.45E-09	-0.32666
0.091069	0.0492	0.139643	0.00249	0.345984	1.41E-14	0.363777	4.66E-16	0.185646
0.293458	9.95E-11	0.058757	0.20499	0.444417	5.00E-24	0.247963	5.66E-08	0.362327
0.037449	0.41943	-0.1988	1.51E-05	-0.21319	3.35E-06	-0.38193	1.15E-17	-0.22096
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0.374512	5.36E-17	0.308937	8.73E-12	0.641842	1.40E-55	0.434274	6.67E-23	0.636675
0.070018	0.13081	-0.00516	0.91148	-0.2229	1.14E-06	-0.17873	0.0001	-0.2345
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0.020699	0.65548	-0.1645	0.00036	-0.56601	6.56E-41	-0.47124	3.43E-27	-0.47173
0.029998	0.51785	0.025605	0.581	0.383369	8.47E-18	0.383045	9.08E-18	0.221631
0.221026	1.41E-06	0.098377	0.03355	0.329977	2.52E-13	0.202164	1.07E-05	0.302272
0.044161	0.34098	0.03861	0.40516	0.289698	1.76E-10	0.161396	0.00046	0.29477
0.250833	3.93E-08	0.133978	0.00372	0.496328	2.05E-30	0.29571	7.05E-11	0.434011
0.304699	1.73E-11	0.135942	0.00324	0.576542	1.01E-42	0.396886	4.54E-19	0.537233
0.1193	0.00987	0.015159	0.74388	0.49077	1.12E-29	0.442582	8.04E-24	0.346159
0.183281	6.78E-05	0.121528	0.00856	0.464757	2.12E-26	0.342269	2.79E-14	0.300129
0.15136	0.00103	0.107271	0.02042	0.315143	3.16E-12	0.236104	2.45E-07	0.31875
0.288597	2.08E-10	0.118189	0.01058	0.600086	5.11E-47	0.391471	1.49E-18	0.510131
0.318849	1.70E-12	-0.02557	0.58145	0.591055	2.50E-45	0.338742	5.30E-14	0.41985
0.260576	1.10E-08	0.184515	6.04E-05	0.462883	3.56E-26	0.34899	8.03E-15	0.425736
0.190234	3.51E-05	0.05326	0.25069	0.522541	4.44E-34	0.371317	1.03E-16	0.454287
0.102999	0.02603	0.078953	0.08833	0.445253	4.02E-24	0.428474	2.82E-22	0.379376
0.256606	1.86E-08	0.043904	0.3438	0.663517	1.42E-60	0.392376	1.22E-18	0.543637
0.181094	8.30E-05	0.029174	0.52942	0.528987	4.97E-35	0.363634	4.79E-16	0.381199
0.387791	3.30E-18	0.401906	1.48E-19	0.717104	6.38E-75	0.631526	2.42E-53	0.633783
0.217154	2.17E-06	0.174988	0.00014	0.581576	1.31E-43	0.510896	2.06E-32	0.480815
0.073464	0.11286	0.127131	0.00594	0.258773	1.39E-08	0.243064	1.05E-07	0.27256
0.186342	5.09E-05	0.104109	0.02445	0.412185	1.40E-20	0.269784	3.13E-09	0.286478
0.038433	0.40732	-0.01737	0.70818	0.486	4.70E-29	0.39206	1.31E-18	0.391491
-0.09403	0.04226	0.011817	0.79896	-0.3322	1.71E-13	-0.34428	1.93E-14	-0.23596
0.090322	0.0511	-0.0342	0.46091	0.367308	2.31E-16	0.240093	1.51E-07	0.44828
0.338192	5.86E-14	0.354241	2.97E-15	0.717446	5.04E-75	0.632489	1.51E-53	0.636995
0.260477	1.11E-08	0.226526	7.55E-07	0.645504	2.14E-56	0.50941	3.33E-32	0.472141
0.163765	0.00038	0.064361	0.16497	0.317391	2.17E-12	0.233789	3.23E-07	0.264138
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-0.20229	1.06E-05	-0.23675	2.26E-07	-0.33519	1.00E-13	-0.28781	2.33E-10	-0.32056
0.318561	1.79E-12	0.327479	3.90E-13	0.688189	8.60E-67	0.603777	1.01E-47	0.507438
0.369363	1.53E-16	0.355216	2.47E-15	0.724712	3.12E-77	0.696382	5.37E-69	0.519982
0.394189	8.23E-19	0.126953	0.00601	0.633427	9.50E-54	0.463231	3.23E-26	0.452889
0.123461	0.00756	0.01304	0.77867	0.422965	1.08E-21	0.366209	2.88E-16	0.39
0.210481	4.48E-06	0.238459	1.84E-07	0.503175	2.43E-31	0.42786	3.28E-22	0.414164
0.113809	0.01386	0.161936	0.00044	0.507926	5.37E-32	0.500848	5.05E-31	0.361351
0.227967	6.39E-07	0.068341	0.14031	0.489258	1.77E-29	0.282249	5.31E-10	0.429052

0.081016	0.0803	-0.07515	0.10481	0.240657	1.41E-07	0.183651	6.55E-05	0.217784
0.281326	6.07E-10	0.261791	9.32E-09	0.663179	1.71E-60	0.660171	8.93E-60	0.538902
0.048986	0.29079	-0.15211	0.00098	0.217377	2.12E-06	0.178969	0.0001	0.071257
0.219507	1.67E-06	0.151474	0.00102	0.51118	1.88E-32	0.284895	3.60E-10	0.479544
0.157337	0.00064	-0.05968	0.19793	0.452599	5.80E-25	0.440076	1.53E-23	0.265321
0.099764	0.03112	-0.03384	0.46565	-0.19257	2.79E-05	-0.27463	1.59E-09	-0.12013
0.325408	5.58E-13	0.059598	0.19858	0.469945	4.95E-27	0.213273	3.32E-06	0.378209
0.358302	1.36E-15	0.331874	1.81E-13	0.684857	6.46E-66	0.642862	8.32E-56	0.53087
0.214589	2.88E-06	0.074425	0.10822	0.61481	6.85E-50	0.438438	2.33E-23	0.511819
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0.120813	0.00897	0.056425	0.22358	0.499221	8.38E-31	0.406964	4.69E-20	0.341213
0.353055	3.73E-15	0.284141	4.02E-10	0.67061	2.67E-62	0.511056	1.96E-32	0.59616
0.202444	1.04E-05	0.085683	0.0643	0.493398	5.04E-30	0.345905	1.43E-14	0.33843
0.264016	6.90E-09	0.141987	0.0021	0.445967	3.34E-24	0.366013	2.99E-16	0.343457
0.188978	3.96E-05	0.074656	0.10712	0.334771	1.08E-13	0.340132	4.12E-14	0.182434
0.396261	5.22E-19	0.382571	1.00E-17	0.814129	#####	0.585555	2.52E-44	0.72753
-0.21748	2.10E-06	-0.16218	0.00043	-0.54129	6.66E-37	-0.40693	4.72E-20	-0.45936
0.269566	3.23E-09	0.167744	0.00027	0.663618	1.34E-60	0.447261	2.38E-24	0.557285
0.154299	0.00082	0.073037	0.11497	0.433795	7.52E-23	0.188585	4.11E-05	0.45742
0.181299	8.14E-05	0.007086	0.87862	0.38961	2.23E-18	0.261299	9.96E-09	0.216744
0.141254	0.00222	0.0671	0.14767	0.506145	9.48E-32	0.315614	2.92E-12	0.462784
0.234477	2.97E-07	0.077885	0.09273	0.480837	2.16E-28	0.333393	1.38E-13	0.355268
0.137383	0.00293	0.099558	0.03147	0.492121	7.44E-30	0.48022	2.58E-28	0.29902
0.216945	2.22E-06	0.070288	0.12933	0.677294	5.69E-64	0.486554	3.98E-29	0.54236
0.184209	6.22E-05	-0.11015	0.01725	0.21465	2.86E-06	0.115465	0.01253	0.160563
-0.22242	1.21E-06	-0.20233	1.05E-05	-0.44096	1.22E-23	-0.36443	4.09E-16	-0.42263
0.15858	0.00058	0.12985	0.00495	0.561785	3.35E-40	0.469784	5.18E-27	0.495977
-0.16677	0.0003	-0.11075	0.01665	-0.45727	1.65E-25	-0.27361	1.83E-09	-0.39235
0.372538	8.03E-17	0.269938	3.06E-09	0.710743	4.78E-73	0.617485	1.98E-50	0.558265
0.182315	7.42E-05	0.086791	0.06092	0.559075	9.44E-40	0.403147	1.12E-19	0.496848
0.010111	0.82749	-0.01875	0.68614	0.249503	4.65E-08	0.139615	0.0025	0.277018
0.175622	0.00014	0.19423	2.37E-05	0.478917	3.78E-28	0.47877	3.94E-28	0.415764
0.263179	7.73E-09	0.201619	1.13E-05	0.576981	8.48E-43	0.439754	1.66E-23	0.53126
0.249133	4.88E-08	0.27801	9.80E-10	0.431264	1.42E-22	0.553659	7.25E-39	0.302171
0.071768	0.12144	0.135524	0.00334	0.252525	3.16E-08	0.310483	6.79E-12	0.250561
0.285571	3.26E-10	0.163592	0.00039	0.509673	3.06E-32	0.476511	7.59E-28	0.359722
0.060031	0.19533	0.097367	0.03542	0.34201	2.93E-14	0.310385	6.90E-12	0.331198
0.050188	0.2791	0.042851	0.3555	0.225669	8.33E-07	0.162696	0.00042	0.196681
0.228357	6.11E-07	0.326881	4.32E-13	0.427715	3.40E-22	0.458564	1.16E-25	0.392812
0.1685	0.00025	0.218886	1.79E-06	0.571157	8.71E-42	0.544161	2.37E-37	0.346716
0.311033	6.21E-12	0.194013	2.43E-05	0.631446	2.52E-53	0.383292	8.61E-18	0.561865
0.251377	3.66E-08	0.119149	0.00996	0.449163	1.44E-24	0.414215	8.72E-21	0.325856
0.314706	3.40E-12	-0.01339	0.77286	0.444199	5.29E-24	0.293217	1.03E-10	0.319622
0.232725	3.66E-07	0.111567	0.01586	0.58194	1.12E-43	0.483066	1.12E-28	0.42376
0.321131	1.16E-12	0.250075	4.33E-08	0.561632	3.56E-40	0.43134	1.39E-22	0.400851

0.111199	0.01621	-0.06121	0.18669	0.426503	4.58E-22	0.353791	3.24E-15	0.291024
0.326712	4.45E-13	0.113317	0.01428	0.609402	8.10E-49	0.407647	4.01E-20	0.439686
0.34135	3.30E-14	0.2289	5.74E-07	0.564591	1.14E-40	0.478844	3.86E-28	0.401047
0.285794	3.15E-10	0.186464	5.03E-05	0.544516	2.08E-37	0.380023	1.71E-17	0.444868
0.166461	0.0003	0.043304	0.35044	0.246261	7.02E-08	0.089661	0.05283	0.220157
0.296795	5.96E-11	0.272314	2.20E-09	0.691299	1.28E-67	0.602907	1.48E-47	0.548698
0.141492	0.00218	-0.09299	0.04459	0.563781	1.56E-40	0.348204	9.31E-15	0.448753
0.101107	0.02891	0.096452	0.0372	0.274107	1.71E-09	0.178392	0.00011	0.317459
0.130971	0.00458	0.124897	0.00688	0.42178	1.44E-21	0.402021	1.44E-19	0.344853
0.321999	9.99E-13	0.117021	0.01138	0.563656	1.63E-40	0.385705	5.16E-18	0.472383
0.176057	0.00013	0.254207	2.54E-08	0.488149	2.47E-29	0.421099	1.70E-21	0.436492
-0.01018	0.82641	-0.04474	0.33469	-0.2488	5.09E-08	-0.3205	1.29E-12	-0.23213
0.187445	4.58E-05	-0.04365	0.34662	0.518474	1.73E-33	0.353175	3.64E-15	0.391786
0.211108	4.19E-06	-0.1471	0.00143	0.423069	1.06E-21	0.216276	2.39E-06	0.281456
0.278685	8.89E-10	0.148879	0.00125	0.535685	4.85E-36	0.343105	2.39E-14	0.399008
0.370618	1.19E-16	0.172263	0.00018	0.611122	3.71E-49	0.516879	2.93E-33	0.466934
0.130998	0.00457	0.056176	0.22564	0.363102	5.32E-16	0.271562	2.44E-09	0.286905
0.165981	0.00032	0.046503	0.31597	0.385398	5.51E-18	0.262875	8.06E-09	0.357324
0.092019	0.04687	-0.02686	0.56264	0.556608	2.40E-39	0.402131	1.41E-19	0.39506
0.042245	0.36236	0.093522	0.04338	0.407575	4.08E-20	0.357317	1.65E-15	0.309425
0.097605	0.03498	0.051226	0.26926	0.24344	9.98E-08	0.1501	0.00114	0.28064
0.220976	1.42E-06	0.083547	0.07127	0.494531	3.57E-30	0.358117	1.41E-15	0.334712
0.023889	0.60659	0.067559	0.14492	-0.34711	1.14E-14	-0.35625	2.02E-15	-0.17496
0.343587	2.19E-14	0.243176	1.03E-07	0.635403	3.57E-54	0.479057	3.63E-28	0.585874
0.281214	6.17E-10	0.142947	0.00196	0.744017	1.84E-83	0.561646	3.54E-40	0.54999
0.18967	3.70E-05	0.116202	0.01197	0.475552	1.00E-27	0.373683	6.36E-17	0.365323
0.097808	0.0346	0.052074	0.2614	0.459908	8.06E-26	0.258541	1.44E-08	0.378298
0.348855	8.24E-15	0.174676	0.00015	0.692833	4.94E-68	0.581145	1.56E-43	0.493327
0.140289	0.00238	-0.12666	0.00613	0.526163	1.30E-34	0.243463	9.95E-08	0.400505
0.194362	2.34E-05	0.287791	2.34E-10	0.511338	1.79E-32	0.601764	2.45E-47	0.410767
0.136574	0.0031	0.309356	8.16E-12	0.351492	5.01E-15	0.391683	1.42E-18	0.373312
0.360977	8.08E-16	0.251176	3.76E-08	0.726078	1.18E-77	0.572129	5.92E-42	0.607665
0.182507	7.28E-05	0.138989	0.00261	0.415287	6.77E-21	0.433338	8.44E-23	0.276363
0.248131	5.54E-08	0.035653	0.44211	0.243162	1.03E-07	0.228789	5.81E-07	0.169481
0.371156	1.06E-16	0.351325	5.17E-15	0.515422	4.72E-33	0.445743	3.54E-24	0.448543
0.079657	0.08552	0.123174	0.0077	0.426316	4.79E-22	0.436862	3.47E-23	0.270642
0.468996	6.47E-27	0.458409	1.21E-25	0.798617	#####	0.58981	4.24E-45	0.685232
0.333591	1.33E-13	0.099042	0.03237	0.742001	8.75E-83	0.507925	5.37E-32	0.570334
-0.12925	0.00515	0.134483	0.0036	-0.1891	3.91E-05	-0.08107	0.08008	-0.16991
0.281261	6.13E-10	0.198318	1.58E-05	0.645461	2.19E-56	0.420559	1.93E-21	0.580691
0.258658	1.42E-08	0.128606	0.00538	0.373126	7.12E-17	0.24387	9.46E-08	0.353952
0.400641	1.97E-19	0.285989	3.06E-10	0.76092	2.15E-89	0.620517	4.79E-51	0.628662
0.056192	0.22551	0.037861	0.41434	0.489142	1.83E-29	0.475395	1.05E-27	0.363974
0.002048	0.9648	0.048075	0.29986	0.458764	1.10E-25	0.337032	7.22E-14	0.3106
0.288981	1.96E-10	0.204477	8.42E-06	0.585703	2.37E-44	0.529787	3.77E-35	0.44627

0.210968	4.25E-06	0.144122	0.00179	0.606415	3.11E-48	0.482637	1.27E-28	0.361707
0.285888	3.11E-10	0.076632	0.09812	0.423254	1.01E-21	0.254461	2.46E-08	0.435105
0.199175	1.45E-05	0.100085	0.03058	0.476543	7.52E-28	0.396905	4.52E-19	0.379558
0.168458	0.00026	0.192974	2.69E-05	0.419098	2.74E-21	0.374619	5.25E-17	0.321266
-0.00085	0.98534	-0.06255	0.17723	-0.35523	2.46E-15	-0.3432	2.35E-14	-0.37863
0.399352	2.62E-19	0.254156	2.56E-08	0.708086	2.80E-72	0.496705	1.83E-30	0.579292
0.221732	1.30E-06	0.090929	0.04955	0.589538	4.75E-45	0.439075	1.98E-23	0.455209
0.164425	0.00036	-0.06506	0.16044	0.476815	6.95E-28	0.297035	5.75E-11	0.304728
0.086502	0.06179	0.067139	0.14744	0.358577	1.29E-15	0.263848	7.06E-09	0.237863
-0.00724	0.87608	-0.11985	0.00953	0.435993	4.33E-23	0.336091	8.54E-14	0.298502
0.093368	0.04373	0.041758	0.36792	0.340487	3.86E-14	0.204693	8.24E-06	0.402567
0.076876	0.09705	-0.04631	0.31796	0.378577	2.32E-17	0.24144	1.28E-07	0.36413
0.225454	8.54E-07	0.09507	0.04001	0.544776	1.90E-37	0.373487	6.62E-17	0.562539
0.306522	1.29E-11	0.122847	0.00787	0.644673	3.29E-56	0.395638	5.98E-19	0.530665
0.201823	1.11E-05	0.18725	4.67E-05	0.361472	7.33E-16	0.342611	2.62E-14	0.336435
0.068048	0.14202	0.019934	0.66744	0.428931	2.52E-22	0.335109	1.02E-13	0.308147
0.167526	0.00028	0.295749	7.01E-11	0.467196	1.07E-26	0.473964	1.58E-27	0.424168
0.142837	0.00197	0.195698	2.05E-05	0.508252	4.84E-32	0.494593	3.50E-30	0.345529
0.323558	7.66E-13	0.204807	8.14E-06	0.718151	3.10E-75	0.539261	1.37E-36	0.646229
0.323473	7.77E-13	0.307471	1.11E-11	0.554465	5.37E-39	0.60794	1.57E-48	0.396222
0.28864	2.06E-10	0.258752	1.40E-08	0.73876	1.04E-81	0.68692	1.86E-66	0.515394
0.265742	5.46E-09	-0.0599	0.19628	0.401026	1.80E-19	0.271604	2.43E-09	0.315476
-0.17176	0.00019	-0.12303	0.00777	-0.37234	8.36E-17	-0.226	8.02E-07	-0.32462
-0.16682	0.00029	-0.05972	0.19762	-0.38563	5.24E-18	-0.3181	1.93E-12	-0.31022
0.276357	1.24E-09	0.08559	0.0646	0.629886	5.39E-53	0.373467	6.64E-17	0.486837
0.170181	0.00022	0.096153	0.03779	0.393061	1.05E-18	0.227293	6.91E-07	0.330967
0.45274	5.59E-25	0.230316	4.86E-07	0.737784	2.17E-81	0.553113	8.89E-39	0.584474
0.09819	0.03389	0.096037	0.03802	-0.22508	8.91E-07	-0.1333	0.0039	-0.24732
0.261698	9.44E-09	0.076199	0.10004	0.537392	2.66E-36	0.396773	4.66E-19	0.348222
0.446486	2.92E-24	0.290375	1.59E-10	0.799076	#####	0.615936	4.07E-50	0.610607
-0.03407	0.46266	-0.2374	2.09E-07	-0.29499	7.88E-11	-0.37829	2.46E-17	-0.23435
0.258084	1.53E-08	0.133433	0.00387	0.588747	6.64E-45	0.451323	8.15E-25	0.42022
0.184184	6.23E-05	0.090485	0.05068	0.498391	1.08E-30	0.377685	2.79E-17	0.395029
0.298809	4.36E-11	0.186815	4.86E-05	0.739299	6.89E-82	0.528235	6.43E-35	0.610634
0.091219	0.04883	-0.05654	0.22268	0.285072	3.50E-10	0.146663	0.00148	0.234139
-0.08995	0.05207	-0.12729	0.00588	0.2002	1.31E-05	0.130839	0.00462	0.125363
0.297467	5.37E-11	0.273941	1.75E-09	0.612098	2.38E-49	0.430112	1.88E-22	0.516243
0.348496	8.81E-15	0.26543	5.70E-09	0.706338	8.87E-72	0.568755	2.24E-41	0.622252
0.270728	2.74E-09	0.289507	1.81E-10	0.705238	1.82E-71	0.650915	1.28E-57	0.586401
0.302261	2.54E-11	0.27064	2.78E-09	0.601857	2.35E-47	0.537543	2.52E-36	0.468398
0.244727	8.50E-08	0.136906	0.00303	0.582719	8.16E-44	0.321132	1.16E-12	0.540881
0.394796	7.20E-19	0.254849	2.34E-08	0.64131	1.83E-55	0.518713	1.59E-33	0.518415
0.159712	0.00053	0.094461	0.04131	0.5381	2.07E-36	0.520488	8.83E-34	0.353914
0.112225	0.01525	0.116919	0.01145	0.524738	2.12E-34	0.505685	1.10E-31	0.399953
-0.0573	0.21651	-0.04014	0.38679	0.370953	1.11E-16	0.356962	1.76E-15	0.300409

0.280704	6.64E-10	0.163975	0.00037	0.547919	6.04E-38	0.386637	4.23E-18	0.410973
0.396305	5.17E-19	0.22142	1.35E-06	0.682872	2.12E-65	0.44379	5.89E-24	0.553746
0.034802	0.45308	-0.12232	0.00814	0.222967	1.13E-06	0.219117	1.75E-06	0.162142
0.411954	1.48E-20	0.151187	0.00105	0.616846	2.67E-50	0.34053	3.83E-14	0.542267
0.110021	0.01739	0.052179	0.26044	-0.18534	5.59E-05	-0.16202	0.00044	-0.14211
0.167163	0.00029	-0.00811	0.86129	0.529688	3.90E-35	0.230552	4.73E-07	0.505045
0.264432	6.52E-09	0.12518	0.00676	0.33213	1.73E-13	0.190051	3.57E-05	0.338613
0.318897	1.69E-12	0.145222	0.00165	0.712469	1.50E-73	0.435014	5.54E-23	0.553391
0.024278	0.60076	-0.14594	0.00156	0.470663	4.04E-27	0.277697	1.02E-09	0.388082
0.373339	6.82E-17	0.102083	0.02739	0.636071	2.56E-54	0.409746	2.47E-20	0.51497
0.304857	1.68E-11	0.289183	1.90E-10	0.561526	3.70E-40	0.473448	1.83E-27	0.473179
0.260682	1.08E-08	0.055896	0.22796	0.40509	7.19E-20	0.207089	6.41E-06	0.351518
0.225	9.00E-07	0.307952	1.02E-11	0.557452	1.75E-39	0.562047	3.03E-40	0.39057
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0.287611	2.40E-10	0.347079	1.15E-14	0.532591	1.43E-35	0.5693	1.81E-41	0.412685
0.339982	4.24E-14	0.158078	0.00061	0.705417	1.62E-71	0.462973	3.47E-26	0.589792
-0.08677	0.06099	-0.16492	0.00035	-0.38285	9.45E-18	-0.31962	1.49E-12	-0.32577
0.084335	0.06863	0.070568	0.12781	-0.2814	6.00E-10	-0.22706	7.10E-07	-0.27747
0.312948	4.54E-12	0.426631	4.44E-22	0.669751	4.35E-62	0.658195	2.61E-59	0.585343
0.329983	2.52E-13	0.167446	0.00028	0.721732	2.56E-76	0.466354	1.36E-26	0.609239
0.364968	3.68E-16	0.373168	7.06E-17	0.547216	7.82E-38	0.579673	2.84E-43	0.483681
0.302489	2.45E-11	0.194363	2.34E-05	0.760662	2.67E-89	0.509565	3.17E-32	0.651666
0.10857	0.01893	-0.06116	0.18705	0.328632	3.19E-13	0.189485	3.77E-05	0.221426
0.35196	4.59E-15	0.32534	5.64E-13	0.7365	5.70E-81	0.651103	1.16E-57	0.607132
0.351296	5.20E-15	0.296312	6.43E-11	0.753929	6.99E-87	0.642392	1.06E-55	0.557952
0.014388	0.75648	0.130029	0.00489	-0.28327	4.57E-10	-0.19532	2.13E-05	-0.23818
0.287371	2.49E-10	0.144507	0.00174	0.649631	2.50E-57	0.372723	7.73E-17	0.57464
0.301539	2.85E-11	0.143431	0.00189	0.501664	3.91E-31	0.388125	3.07E-18	0.423365
0.212336	3.67E-06	0.041638	0.3693	0.547205	7.85E-38	0.309822	7.57E-12	0.504252
0.244034	9.27E-08	-0.08396	0.06989	0.397407	4.05E-19	0.200709	1.24E-05	0.296638
0.323175	8.18E-13	0.379639	1.86E-17	0.688799	5.93E-67	0.625311	4.92E-52	0.648076
-0.30556	1.50E-11	-0.13436	0.00363	-0.4581	1.32E-25	-0.22723	6.96E-07	-0.43483
0.010318	0.82402	0.06899	0.13658	0.3689	1.68E-16	0.323242	8.09E-13	0.313711
-0.01198	0.79624	-0.07943	0.08641	-0.29681	5.95E-11	-0.27221	2.23E-09	-0.30945
0.210548	4.45E-06	0.083785	0.07046	0.550668	2.20E-38	0.455297	2.82E-25	0.480794
0.182153	7.53E-05	0.131853	0.00431	0.657868	3.12E-59	0.549497	3.39E-38	0.559848
0.15634	0.0007	0.308388	9.54E-12	0.432094	1.15E-22	0.530066	3.43E-35	0.36566
0.375932	4.00E-17	0.211028	4.22E-06	0.670926	2.23E-62	0.549117	3.90E-38	0.457452
0.091821	0.04735	-0.10712	0.0206	0.40299	1.16E-19	0.323645	7.55E-13	0.260268
0.14802	0.00134	0.11439	0.01338	0.381856	1.17E-17	0.458523	1.18E-25	0.240111
0.161231	0.00047	0.042021	0.36492	0.355437	2.36E-15	0.287074	2.61E-10	0.190008
-0.3062	1.36E-11	-0.1758	0.00013	-0.51428	6.88E-33	-0.29589	6.85E-11	-0.52613
-0.05156	0.26612	0.20608	7.13E-06	-0.36771	2.13E-16	-0.2786	9.00E-10	-0.19645
-0.12372	0.00743	-0.0591	0.20234	-0.31197	5.33E-12	-0.15722	0.00065	-0.36476
0.008481	0.85496	-0.20762	6.06E-06	-0.66463	7.67E-61	-0.5346	7.09E-36	-0.54393



-0.12119	0.00875	-0.07196	0.12044	-0.33873	5.32E-14	-0.28474	3.68E-10	-0.34256
0.127009	0.00599	0.060332	0.19309	0.34196	2.95E-14	0.266931	4.64E-09	0.21255
0.165056	0.00034	0.155618	0.00074	0.465345	1.80E-26	0.403137	1.12E-19	0.394371
0.389837	2.12E-18	0.164074	0.00037	0.60549	4.69E-48	0.43977	1.66E-23	0.422061
0.385812	5.04E-18	0.328756	3.12E-13	0.682591	2.51E-65	0.558705	1.09E-39	0.605191
-0.20947	4.99E-06	-0.07213	0.11956	-0.34637	1.31E-14	-0.25827	1.49E-08	-0.29348
-0.006	0.89715	0.312723	4.71E-12	-0.05488	0.23655	0.036624	0.42976	-0.03004
-0.17338	0.00017	0.090142	0.05157	-0.24316	1.03E-07	-0.15783	0.00062	-0.20516
0.218796	1.81E-06	0.342881	2.50E-14	0.390921	1.68E-18	0.372592	7.94E-17	0.330324
0.170806	0.00021	0.018831	0.68483	0.545829	1.29E-37	0.343383	2.28E-14	0.468965
0.065283	0.15898	0.138111	0.00278	0.319698	1.48E-12	0.374871	4.98E-17	0.196625
-0.04808	0.29985	-0.14683	0.00146	0.230387	4.82E-07	0.183459	6.67E-05	0.172231
0.305208	1.59E-11	0.210581	4.43E-06	0.712621	1.35E-73	0.625944	3.63E-52	0.451267
0.422794	1.13E-21	0.012282	0.79123	0.495309	2.81E-30	0.387008	3.91E-18	0.328558
0.231362	4.30E-07	0.205103	7.89E-06	0.573119	3.99E-42	0.449884	1.19E-24	0.502749
0.07384	0.11103	0.015409	0.73979	0.224817	9.19E-07	0.264632	6.35E-09	0.177147
0.178189	0.00011	-0.08287	0.07361	0.380978	1.40E-17	0.301284	2.96E-11	0.201089
0.3968	4.63E-19	0.314858	3.31E-12	0.694075	2.28E-68	0.61445	8.08E-50	0.543921
0.254862	2.33E-08	0.07488	0.10607	0.405686	6.28E-20	0.192088	2.93E-05	0.383017
0.145353	0.00164	0.169778	0.00023	0.468259	7.96E-27	0.492128	7.43E-30	0.392837
0.393362	9.87E-19	0.29877	4.39E-11	0.529259	4.52E-35	0.446036	3.28E-24	0.446537
0.085224	0.06575	-0.15169	0.00101	0.296068	6.67E-11	0.201492	1.15E-05	0.22867
0.370044	1.33E-16	0.09456	0.0411	0.442525	8.16E-24	0.21031	4.56E-06	0.413622
0.043029	0.35351	-0.02678	0.56376	0.473008	2.08E-27	0.34013	4.12E-14	0.401875
0.146608	0.00149	-0.05711	0.21797	0.232781	3.64E-07	0.219717	1.63E-06	0.138302
0.323223	8.11E-13	0.276039	1.30E-09	0.763836	1.81E-90	0.537363	2.69E-36	0.637435
0.144988	0.00168	0.09188	0.04721	0.296409	6.33E-11	0.347958	9.74E-15	0.196425
-0.24088	1.37E-07	-0.16485	0.00035	-0.48644	4.12E-29	-0.2998	3.74E-11	-0.47459
0.169351	0.00024	0.110325	0.01708	0.416454	5.14E-21	0.328087	3.51E-13	0.322118
0.215222	2.68E-06	0.259772	1.22E-08	0.547187	7.90E-38	0.438655	2.20E-23	0.542988
-0.12191	0.00836	-0.1204	0.00921	-0.32337	7.91E-13	-0.21591	2.49E-06	-0.43864
-0.15588	0.00072	-0.12112	0.00879	-0.39357	9.43E-19	-0.32164	1.06E-12	-0.36513
0.265562	5.59E-09	0.125429	0.00665	0.558392	1.22E-39	0.448303	1.81E-24	0.381859
0.364114	4.36E-16	0.356288	2.01E-15	0.673497	5.13E-63	0.575596	1.48E-42	0.540397
0.158594	0.00058	0.131662	0.00437	0.52445	2.33E-34	0.35473	2.71E-15	0.420484
0.253047	2.95E-08	-0.07674	0.09765	0.354866	2.64E-15	0.203451	9.37E-06	0.247238
0.411627	1.60E-20	0.097306	0.03554	0.259563	1.26E-08	0.288875	1.99E-10	0.270496
0.415822	5.97E-21	0.073117	0.11458	0.435265	5.20E-23	0.318185	1.90E-12	0.394086
0.243507	9.90E-08	0.07398	0.11035	0.223201	1.10E-06	0.149014	0.00124	0.186309
0.248865	5.05E-08	-0.16503	0.00034	0.201164	1.18E-05	0.085492	0.0649	0.06014
0.302787	2.34E-11	0.071097	0.12497	0.406021	5.82E-20	0.350636	5.89E-15	0.330695
0.358398	1.34E-15	0.219329	1.71E-06	0.389586	2.24E-18	0.330055	2.49E-13	0.288793
0.23713	2.16E-07	0.109044	0.01841	0.568682	2.31E-41	0.549855	2.97E-38	0.289263
0.366655	2.63E-16	0.189611	3.72E-05	0.767846	5.70E-92	0.469926	4.98E-27	0.661837
0.195877	2.02E-05	0.087261	0.05953	0.362119	6.46E-16	0.188681	4.07E-05	0.32408

0.297607	5.26E-11	0.190201	3.52E-05	0.5883	8.01E-45	0.342735	2.56E-14	0.505882
0.115947	0.01216	-0.01997	0.66687	0.23634	2.38E-07	0.084936	0.06667	0.258118
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0.242906	1.07E-07	0.117209	0.01125	0.595395	3.92E-46	0.537984	2.16E-36	0.400459
0.433677	7.75E-23	0.167312	0.00028	0.622609	1.78E-51	0.531845	1.85E-35	0.524681
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0.357572	1.57E-15	0.196539	1.89E-05	0.672299	1.02E-62	0.450011	1.15E-24	0.581728
0.213507	3.23E-06	0.099858	0.03096	0.28906	1.94E-10	0.119134	0.00997	0.311249
0.243304	1.02E-07	-0.0035	0.93984	0.575567	1.50E-42	0.326238	4.83E-13	0.43815
0.314651	3.43E-12	0.183904	6.40E-05	0.696204	6.00E-69	0.528124	6.68E-35	0.530885
0.167073	0.00029	0.0104	0.82265	0.239151	1.69E-07	0.252525	3.16E-08	0.114084
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0.325666	5.33E-13	0.09124	0.04878	0.55019	2.63E-38	0.318022	1.96E-12	0.451964
0.276922	1.15E-09	0.135944	0.00324	0.641469	1.69E-55	0.538693	1.68E-36	0.491925
0.332393	1.65E-13	0.260969	1.04E-08	0.614003	9.93E-50	0.536913	3.15E-36	0.427836
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0.273179	1.95E-09	0.154893	0.00078	0.586021	2.08E-44	0.397238	4.20E-19	0.459845
0.393391	9.81E-19	0.150979	0.00107	0.47254	2.37E-27	0.256856	1.80E-08	0.452625
0.31509	3.19E-12	0.212424	3.64E-06	0.715896	1.46E-74	0.46779	9.09E-27	0.637526
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0.338468	5.57E-14	0.192186	2.90E-05	0.769858	9.79E-93	0.504655	1.52E-31	0.630706
0.022712	0.62445	0.241615	1.25E-07	-0.16304	0.0004	-0.09245	0.04585	-0.1278
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0.204355	8.53E-06	0.205228	7.79E-06	0.56205	3.03E-40	0.565292	8.67E-41	0.476265
0.23921	1.68E-07	-0.0865	0.06178	0.510209	2.58E-32	0.261857	9.24E-09	0.46011
0.183589	6.59E-05	0.086251	0.06255	0.348086	9.51E-15	0.247487	6.01E-08	0.335789
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0.210651	4.40E-06	0.098333	0.03363	0.472698	2.27E-27	0.310509	6.77E-12	0.572245
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0.368652	1.76E-16	0.247305	6.15E-08	0.719303	1.40E-75	0.556585	2.42E-39	0.573489
0.202968	9.85E-06	0.26497	6.07E-09	0.515749	4.24E-33	0.452237	6.39E-25	0.479645
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0.436585	3.73E-23	0.323472	7.77E-13	0.713352	8.25E-74	0.519604	1.19E-33	0.594231
0.265151	5.92E-09	0.130343	0.00478	0.424462	7.53E-22	0.31238	4.98E-12	0.421441
0.380297	1.62E-17	0.161339	0.00046	0.638636	7.09E-55	0.447714	2.11E-24	0.477636
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0.225947	8.07E-07	0.210443	4.50E-06	0.475816	9.28E-28	0.425788	5.46E-22	0.440891
0.176101	0.00013	-0.02217	0.63281	0.467732	9.23E-27	0.270663	2.77E-09	0.388406
0.205698	7.42E-06	0.052778	0.255	0.283982	4.12E-10	0.192937	2.70E-05	0.306812
0.283808	4.22E-10	0.188893	3.99E-05	0.749045	3.55E-85	0.562824	2.25E-40	0.582072
0.28349	4.42E-10	0.26782	4.11E-09	0.68108	6.15E-65	0.56883	2.18E-41	0.581436

0.023219	0.61673	0.149135	0.00123	-0.2819	5.58E-10	-0.18849	4.14E-05	-0.26063
0.200583	1.26E-05	0.220581	1.48E-06	0.51206	1.42E-32	0.504407	1.65E-31	0.36278
0.096789	0.03653	0.099059	0.03234	0.311698	5.57E-12	0.301033	3.08E-11	0.318352
0.265294	5.80E-09	0.145473	0.00162	0.53662	3.49E-36	0.3381	5.95E-14	0.487339
0.214149	3.02E-06	0.125866	0.00646	0.658049	2.83E-59	0.471749	2.97E-27	0.577738
0.28387	4.18E-10	0.131122	0.00454	0.57533	1.65E-42	0.472809	2.20E-27	0.56065
0.179356	9.73E-05	0.122493	0.00805	-0.08148	0.07856	-0.11112	0.01629	-0.16079
0.032348	0.48558	0.130419	0.00476	0.375183	4.67E-17	0.325837	5.18E-13	0.265993
0.263173	7.74E-09	0.185954	5.28E-05	0.357333	1.64E-15	0.275361	1.43E-09	0.403611
0.307531	1.10E-11	0.284168	4.00E-10	0.69636	5.44E-69	0.670542	2.78E-62	0.496945
0.339454	4.66E-14	0.302042	2.63E-11	0.751742	4.10E-86	0.5811	1.59E-43	0.65384
0.366125	2.92E-16	0.260024	1.18E-08	0.736319	6.53E-81	0.562941	2.15E-40	0.594506
0.114962	0.01292	0.072615	0.1171	0.34711	1.14E-14	0.272123	2.26E-09	0.265488
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0.02256	0.62677	0.132332	0.00417	0.39722	4.22E-19	0.389676	2.20E-18	0.272529
0.165015	0.00034	0.031339	0.4993	0.351354	5.15E-15	0.268568	3.70E-09	0.197522
0.235082	2.77E-07	0.255897	2.04E-08	0.62667	2.56E-52	0.598396	1.07E-46	0.532048
0.259357	1.29E-08	0.026153	0.57293	0.418309	3.31E-21	0.363284	5.13E-16	0.294814
0.170478	0.00021	0.252476	3.18E-08	0.403006	1.15E-19	0.398259	3.35E-19	0.301493
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0.174478	0.00015	0.167557	0.00028	0.52604	1.36E-34	0.45146	7.86E-25	0.370408
0.269286	3.35E-09	0.174013	0.00016	0.678644	2.58E-64	0.576655	9.67E-43	0.52577
0.311715	5.56E-12	0.163747	0.00038	0.628461	1.08E-52	0.413185	1.11E-20	0.512426
0.136388	0.00314	0.141519	0.00217	0.364986	3.67E-16	0.469039	6.40E-27	0.241726
0.315293	3.08E-12	0.22104	1.41E-06	0.70318	6.96E-71	0.57265	4.81E-42	0.53657
0.043962	0.34316	0.016402	0.7237	0.284619	3.75E-10	0.240386	1.46E-07	0.180295
0.042085	0.36418	-0.02133	0.6457	0.286032	3.04E-10	0.249207	4.83E-08	0.12088
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0.083023	0.07307	0.06156	0.18417	0.478405	4.39E-28	0.372368	8.31E-17	0.339784
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0.240061	1.51E-07	0.047624	0.30442	0.433209	8.71E-23	0.274372	1.65E-09	0.445105
0.195305	2.14E-05	0.012934	0.78042	0.570791	1.01E-41	0.389058	2.51E-18	0.415375
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0.209916	4.76E-06	0.187441	4.58E-05	0.663241	1.66E-60	0.544651	1.99E-37	0.525945
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0.259616	1.25E-08	0.115925	0.01218	0.545641	1.39E-37	0.383557	8.14E-18	0.439058
0.10298	0.02606	0.125612	0.00657	0.375358	4.51E-17	0.28867	2.05E-10	0.398736
0.46242	4.05E-26	0.262128	8.91E-09	0.700814	3.20E-70	0.528514	5.84E-35	0.504279
0.139532	0.00251	0.146156	0.00154	0.470706	3.99E-27	0.507469	6.22E-32	0.258465
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0.222364	1.21E-06	0.117607	0.01097	0.449659	1.27E-24	0.340342	3.97E-14	0.463451
0.081617	0.07808	0.043638	0.34673	0.228399	6.08E-07	0.281238	6.15E-10	0.114064

0.17767	0.00011	0.063615	0.16993	0.405085	7.20E-20	0.225411	8.58E-07	0.335136
0.075833	0.10169	0.056952	0.21928	0.533428	1.07E-35	0.35945	1.09E-15	0.473378
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0.073033	0.11499	-0.11166	0.01577	0.242149	1.17E-07	0.202639	1.02E-05	0.184732
0.351571	4.94E-15	0.278462	9.18E-10	0.777531	9.98E-96	0.617356	2.10E-50	0.646082
0.385878	4.97E-18	0.312483	4.90E-12	0.646519	1.27E-56	0.521087	7.23E-34	0.608482
0.210717	4.37E-06	0.014616	0.75275	0.440874	1.25E-23	0.357146	1.70E-15	0.222352
0.07831	0.09096	-0.07283	0.116	0.4681	8.33E-27	0.32535	5.63E-13	0.330764
0.216267	2.39E-06	0.187563	4.53E-05	0.684028	1.06E-65	0.527509	8.24E-35	0.542247
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0.318232	1.89E-12	0.148266	0.00131	0.738034	1.80E-81	0.539815	1.13E-36	0.582795
0.288287	2.17E-10	0.245343	7.87E-08	0.653717	2.89E-58	0.529904	3.62E-35	0.561319
0.317695	2.07E-12	0.114902	0.01297	0.678328	3.11E-64	0.435474	4.93E-23	0.579726
0.067522	0.14514	0.241	1.35E-07	-0.09819	0.03389	0.025747	0.5789	-0.11677
0.222761	1.16E-06	0.060836	0.1894	0.663988	1.10E-60	0.567036	4.40E-41	0.43922
0.35497	2.59E-15	0.346142	1.37E-14	0.805004	#####	0.662222	2.90E-60	0.688508
0.106545	0.02129	0.092657	0.04536	0.188702	4.06E-05	0.20141	1.16E-05	0.178411
-0.04377	0.34528	-0.02853	0.53858	0.266602	4.85E-09	0.130445	0.00475	0.346662
0.112935	0.01461	0.058872	0.20411	0.380577	1.53E-17	0.300241	3.49E-11	0.330878
0.182189	7.50E-05	0.010413	0.82243	0.279429	7.99E-10	0.220381	1.52E-06	0.208409
-0.05307	0.2524	-0.12515	0.00677	0.209624	4.91E-06	0.171195	0.0002	0.098431
0.177821	0.00011	-0.02879	0.53489	0.209379	5.04E-06	0.200448	1.27E-05	0.178446
-0.06496	0.16107	-0.06019	0.19415	0.183854	6.43E-05	0.09425	0.04177	0.164793
0.25515	2.25E-08	0.144941	0.00169	0.583672	5.51E-44	0.409152	2.83E-20	0.451519
0.315433	3.01E-12	0.224916	9.08E-07	0.714468	3.87E-74	0.558643	1.11E-39	0.596886
0.22422	9.83E-07	-0.01464	0.75238	0.372985	7.33E-17	0.309629	7.81E-12	0.241973
-0.29702	5.76E-11	-0.1305	0.00473	-0.39102	1.64E-18	-0.30483	1.69E-11	-0.26608
0.206246	7.01E-06	0.031805	0.49293	0.441979	9.40E-24	0.216052	2.45E-06	0.34996
-0.03171	0.49418	-0.22849	6.01E-07	-0.23643	2.35E-07	-0.36185	6.80E-16	-0.22005
0.256903	1.79E-08	0.339804	4.37E-14	0.603556	1.11E-47	0.50583	1.05E-31	0.498636
0.201564	1.14E-05	0.210541	4.45E-06	0.476717	7.15E-28	0.523938	2.77E-34	0.401783
0.323781	7.37E-13	0.312087	5.23E-12	0.496229	2.12E-30	0.489265	1.77E-29	0.461799
0.337934	6.13E-14	0.201607	1.13E-05	0.688938	5.45E-67	0.62397	9.33E-52	0.4578
0.171127	0.0002	0.327379	3.97E-13	0.568292	2.69E-41	0.706864	6.27E-72	0.382594
0.469461	5.68E-27	0.200136	1.32E-05	0.525629	1.56E-34	0.29496	7.91E-11	0.54344
-0.13205	0.00426	-0.13461	0.00356	-0.49809	1.19E-30	-0.37275	7.69E-17	-0.38184
0.071199	0.12443	0.043252	0.35102	0.389172	2.45E-18	0.216358	2.37E-06	0.368714
0.385874	4.98E-18	0.300018	3.61E-11	0.775677	5.41E-95	0.642192	1.17E-55	0.599264
0.359426	1.09E-15	0.220525	1.49E-06	0.742006	8.71E-83	0.602509	1.76E-47	0.612821
0.249455	4.68E-08	0.209233	5.11E-06	0.624742	6.46E-52	0.515954	3.97E-33	0.454478
0.059461	0.19961	-0.00225	0.96126	0.330046	2.49E-13	0.290302	1.61E-10	0.212538
0.175983	0.00013	0.128019	0.0056	0.638963	6.01E-55	0.527559	8.10E-35	0.489714
0.328582	3.22E-13	0.296127	6.61E-11	0.598717	9.30E-47	0.543404	3.11E-37	0.519204
0.065587	0.15705	-0.07607	0.10061	0.214405	2.93E-06	0.190768	3.33E-05	0.134617
0.21129	4.11E-06	-0.03148	0.49741	0.417661	3.86E-21	0.27741	1.07E-09	0.305577

0.26497	6.06E-09	0.043794	0.345	0.444292	5.17E-24	0.294679	8.26E-11	0.321072
-0.1044	0.02406	-0.19187	2.99E-05	-0.35742	1.61E-15	-0.39598	5.56E-19	-0.3264
0.22932	5.46E-07	0.153819	0.00085	0.476453	7.72E-28	0.318803	1.72E-12	0.502684
-0.12971	0.00499	0.043744	0.34557	-0.31592	2.78E-12	-0.21485	2.80E-06	-0.24656
0.273879	1.76E-09	0.158583	0.00058	0.528078	6.79E-35	0.44261	7.99E-24	0.433847
0.260454	1.11E-08	0.278371	9.30E-10	0.613656	1.16E-49	0.608124	1.44E-48	0.447179
0.144267	0.00177	0.152886	0.00092	0.516437	3.38E-33	0.29424	8.83E-11	0.419023
0.171391	0.0002	0.089223	0.05401	0.474214	1.47E-27	0.284472	3.83E-10	0.434774
-0.00972	0.83404	0.002488	0.95724	0.268306	3.84E-09	0.229267	5.50E-07	0.209361
0.23649	2.34E-07	0.051342	0.26818	0.5729	4.36E-42	0.365096	3.59E-16	0.495362
0.406188	5.60E-20	0.29962	3.84E-11	0.758799	1.27E-88	0.60114	3.22E-47	0.586973
-0.0289	0.53328	-0.07052	0.12807	0.240978	1.35E-07	0.123308	0.00764	0.27249
0.310671	6.59E-12	0.251603	3.56E-08	0.692865	4.84E-68	0.598387	1.07E-46	0.572514
0.099407	0.03173	0.118196	0.01058	0.468353	7.76E-27	0.317384	2.18E-12	0.40154
0.495647	2.53E-30	0.217532	2.08E-06	0.541721	5.70E-37	0.44675	2.72E-24	0.464038
0.160729	0.00049	0.165439	0.00033	0.557637	1.63E-39	0.507083	7.03E-32	0.378894
0.250881	3.90E-08	0.1892	3.87E-05	0.660053	9.52E-60	0.575756	1.39E-42	0.442778
0.00226	0.96115	0.039755	0.39137	-0.23374	3.24E-07	-0.21382	3.13E-06	-0.15388
-0.10365	0.0251	-0.29799	4.96E-11	-0.34815	9.41E-15	-0.46441	2.33E-26	-0.28524
0.264745	6.25E-09	0.152529	0.00094	0.61628	3.47E-50	0.407674	3.98E-20	0.461963
0.402283	1.36E-19	0.536325	3.88E-36	0.649868	2.21E-57	0.602738	1.59E-47	0.57283
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0.296881	5.88E-11	0.276266	1.26E-09	0.612675	1.83E-49	0.534889	6.42E-36	0.474965
0.454485	3.50E-25	0.344677	1.79E-14	0.754094	6.11E-87	0.564201	1.32E-40	0.671412
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0.191137	3.21E-05	0.147758	0.00136	0.393375	9.84E-19	0.284634	3.74E-10	0.432082
0.093193	0.04412	0.015849	0.73265	0.342718	2.57E-14	0.277566	1.04E-09	0.273525
0.100154	0.03047	0.021233	0.64719	0.40653	5.18E-20	0.271995	2.30E-09	0.308671
0.29775	5.14E-11	0.110134	0.01727	0.646626	1.20E-56	0.533548	1.02E-35	0.48413
-0.04516	0.33011	0.026843	0.56284	-0.4042	8.80E-20	-0.33389	1.26E-13	-0.27456
-0.41717	4.34E-21	-0.26268	8.27E-09	-0.50478	1.46E-31	-0.45575	2.49E-25	-0.40593
0.132972	0.00399	0.164646	0.00035	0.456089	2.27E-25	0.473385	1.86E-27	0.306577
0.335248	9.93E-14	0.202023	1.09E-05	0.495479	2.67E-30	0.384476	6.70E-18	0.410096
0.336939	7.34E-14	0.265513	5.63E-09	0.680147	1.07E-64	0.546645	9.62E-38	0.529881
0.01118	0.80959	-0.01232	0.79059	0.357797	1.50E-15	0.217928	1.99E-06	0.324371
0.357428	1.61E-15	0.148251	0.00131	0.636401	2.17E-54	0.456674	1.94E-25	0.4798
0.259345	1.29E-08	0.063971	0.16755	0.541982	5.19E-37	0.329368	2.81E-13	0.474462
0.318016	1.96E-12	0.194837	2.24E-05	0.692922	4.67E-68	0.528508	5.86E-35	0.600373
0.130839	0.00463	0.075323	0.10402	0.505433	1.19E-31	0.489722	1.54E-29	0.370784
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0.458981	1.04E-25	0.286391	2.88E-10	0.711065	3.85E-73	0.527184	9.21E-35	0.561172
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0.435449	4.96E-23	0.405825	6.08E-20	0.755619	1.76E-87	0.721368	3.31E-76	0.600495
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0.116772	0.01156	0.022881	0.62187	0.429021	2.47E-22	0.319223	1.60E-12	0.351057
0.140517	0.00234	0.088857	0.055	0.393894	8.78E-19	0.34928	7.61E-15	0.320451
-0.04504	0.33143	-0.04651	0.31591	-0.32246	9.23E-13	-0.27726	1.09E-09	-0.31581
0.136701	0.00308	0.104405	0.02405	0.572773	4.58E-42	0.42994	1.97E-22	0.49248
0.363601	4.82E-16	0.222769	1.16E-06	0.71812	3.17E-75	0.452821	5.47E-25	0.541638
-0.19482	2.24E-05	-0.06022	0.19391	-0.5214	6.50E-34	-0.32709	4.17E-13	-0.40311
0.249654	4.57E-08	0.144563	0.00174	0.394554	7.60E-19	0.408651	3.18E-20	0.354568
0.335849	8.92E-14	0.134974	0.00347	0.549117	3.90E-38	0.456539	2.01E-25	0.415668
0.231368	4.30E-07	0.075876	0.10149	0.479348	3.33E-28	0.405391	6.72E-20	0.401531
0.147756	0.00136	0.052498	0.25754	0.451289	8.23E-25	0.391643	1.44E-18	0.327441
0.142897	0.00196	0.114421	0.01335	0.55635	2.65E-39	0.549012	4.05E-38	0.400401
0.246071	7.19E-08	0.17379	0.00016	0.670046	3.68E-62	0.498775	9.63E-31	0.531868
0.079457	0.08631	0.12457	0.00703	0.483467	9.96E-29	0.485929	4.80E-29	0.33318
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0.184887	5.83E-05	0.15581	0.00073	0.515778	4.20E-33	0.471031	3.64E-27	0.327137
0.19107	3.23E-05	0.007324	0.87457	0.475771	9.40E-28	0.386646	4.22E-18	0.341134
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0.320891	1.21E-12	0.237568	2.05E-07	0.66119	5.11E-60	0.543183	3.37E-37	0.469169
0.193899	2.45E-05	0.134748	0.00353	0.432068	1.16E-22	0.403285	1.08E-19	0.327971
0.085052	0.0663	0.137219	0.00296	0.274772	1.55E-09	0.232671	3.69E-07	0.27903
0.123078	0.00775	0.038816	0.40265	0.365672	3.20E-16	0.205382	7.67E-06	0.279651
0.004588	0.92124	0.080868	0.08086	0.388446	2.87E-18	0.266665	4.81E-09	0.311445
0.257691	1.61E-08	0.119424	0.00979	0.559423	8.27E-40	0.435968	4.35E-23	0.507803
0.172286	0.00018	0.126618	0.00614	0.292918	1.08E-10	0.258233	1.50E-08	0.216028
-0.11615	0.01201	0.068481	0.1395	-0.42273	1.15E-21	-0.33932	4.78E-14	-0.28183
0.461938	4.62E-26	0.28682	2.71E-10	0.705095	2.00E-71	0.562906	2.18E-40	0.58731
0.367876	2.06E-16	0.249932	4.41E-08	0.696804	4.11E-69	0.588171	8.45E-45	0.495649
0.215958	2.48E-06	0.272871	2.03E-09	0.598733	9.23E-47	0.507671	5.83E-32	0.492365
0.219254	1.72E-06	0.289787	1.74E-10	0.611323	3.38E-49	0.566219	6.05E-41	0.5072
0.124069	0.00727	-0.14083	0.00229	0.508217	4.89E-32	0.310621	6.64E-12	0.382441
0.169067	0.00024	-0.0081	0.86137	0.417196	4.31E-21	0.223559	1.06E-06	0.380732
0.25422	2.54E-08	0.424389	7.67E-22	0.609403	8.09E-49	0.64328	6.72E-56	0.523926
-0.04546	0.32695	0.012395	0.78936	0.309994	7.36E-12	0.248065	5.59E-08	0.261699
0.120026	0.00943	0.181595	7.93E-05	0.440094	1.53E-23	0.39475	7.28E-19	0.293729
0.06566	0.15659	0.113224	0.01436	0.359603	1.06E-15	0.292027	1.24E-10	0.317226
0.334713	1.09E-13	0.212593	3.57E-06	0.478876	3.82E-28	0.413723	9.78E-21	0.346039
0.431635	1.29E-22	0.377911	2.66E-17	0.778914	2.80E-96	0.609343	8.31E-49	0.635773
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0.038758	0.40336	0.030814	0.50651	-0.32019	1.36E-12	-0.2636	7.30E-09	-0.26264
0.397282	4.16E-19	0.326082	4.97E-13	0.684104	1.02E-65	0.503256	2.37E-31	0.747122
0.23153	4.22E-07	0.251657	3.53E-08	0.516493	3.32E-33	0.530149	3.33E-35	0.419131
0.384827	6.22E-18	0.296803	5.96E-11	0.675718	1.42E-63	0.505079	1.33E-31	0.602751
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0.239676	1.59E-07	0.140643	0.00232	0.481622	1.71E-28	0.518971	1.46E-33	0.326866
0.454031	3.96E-25	0.372828	7.57E-17	0.590958	2.61E-45	0.587787	9.93E-45	0.484061

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0.336452	8.01E-14	0.323835	7.31E-13	0.668165	1.06E-61	0.547505	7.03E-38	0.555992
0.101033	0.02903	0.242864	1.07E-07	0.385783	5.08E-18	0.483378	1.02E-28	0.28925
0.307347	1.13E-11	0.063966	0.16758	0.570677	1.05E-41	0.395959	5.58E-19	0.387588
0.368787	1.72E-16	0.246818	6.54E-08	0.709358	1.20E-72	0.555655	3.43E-39	0.570506
0.270441	2.86E-09	0.093896	0.04255	0.621021	3.78E-51	0.462445	4.02E-26	0.492306
0.259857	1.21E-08	0.051657	0.26525	0.617873	1.65E-50	0.404397	8.42E-20	0.495034
0.258662	1.42E-08	0.077583	0.09401	0.650529	1.56E-57	0.413738	9.75E-21	0.423886
0.010536	0.82037	0.198907	1.49E-05	-0.35235	4.26E-15	-0.21837	1.90E-06	-0.25009
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0.043361	0.34981	-0.00893	0.84744	0.349021	7.99E-15	0.276961	1.14E-09	0.233567
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0.146887	0.00146	0.32006	1.39E-12	0.527732	7.64E-35	0.5031	2.49E-31	0.449357
0.280636	6.71E-10	0.091346	0.04851	0.341292	3.34E-14	0.309459	8.02E-12	0.226045
0.181851	7.74E-05	0.028252	0.54252	0.628209	1.22E-52	0.367372	2.28E-16	0.495764
0.279634	7.76E-10	0.145261	0.00165	0.524265	2.48E-34	0.44223	8.81E-24	0.35696
0.170966	0.00021	0.170721	0.00021	0.561316	4.02E-40	0.468331	7.81E-27	0.550565
0.361599	7.15E-16	0.326772	4.41E-13	0.775895	4.44E-95	0.530945	2.53E-35	0.728646
0.400595	1.99E-19	0.348223	9.27E-15	0.553742	7.03E-39	0.477655	5.45E-28	0.489986
0.323288	8.02E-13	0.2554	2.17E-08	0.743571	2.60E-83	0.475378	1.05E-27	0.676796
0.415676	6.18E-21	0.260926	1.05E-08	0.77516	8.63E-95	0.542744	3.95E-37	0.68452
0.183706	6.52E-05	0.183686	6.53E-05	0.438607	2.23E-23	0.465433	1.76E-26	0.338531
0.366441	2.74E-16	0.225025	8.97E-07	0.699492	7.46E-70	0.462248	4.24E-26	0.608554
0.2244	9.63E-07	-0.0672	0.1471	0.298815	4.36E-11	0.307243	1.15E-11	0.118309
0.02544	0.58343	0.16979	0.00023	0.415728	6.10E-21	0.342351	2.75E-14	0.393906
0.217477	2.10E-06	0.128086	0.00557	0.439313	1.86E-23	0.505809	1.06E-31	0.306912
0.323376	7.90E-13	0.276101	1.29E-09	0.72565	1.60E-77	0.643999	4.65E-56	0.583541
0.031743	0.49378	0.031492	0.49721	0.325835	5.18E-13	0.326101	4.95E-13	0.25857
0.331409	1.96E-13	0.255422	2.17E-08	0.683366	1.58E-65	0.589227	5.42E-45	0.56539
0.347178	1.13E-14	0.196029	1.99E-05	0.611131	3.69E-49	0.463938	2.66E-26	0.437928
0.293583	9.77E-11	0.148677	0.00127	0.511619	1.63E-32	0.500633	5.40E-31	0.441041
-0.06916	0.13563	-0.05853	0.20677	0.209853	4.79E-06	0.172808	0.00017	0.162931
0.286106	3.01E-10	0.243961	9.36E-08	0.483284	1.05E-28	0.420806	1.82E-21	0.538534
0.131945	0.00429	0.044851	0.33348	0.285122	3.48E-10	0.339415	4.69E-14	0.15461
0.416025	5.69E-21	0.051208	0.26943	-0.1451	0.00167	-0.17963	9.49E-05	-0.13125
0.069922	0.13135	-0.05044	0.27671	0.455509	2.66E-25	0.2642	6.73E-09	0.573298
-0.13649	0.00312	-0.25413	2.57E-08	-0.43954	1.76E-23	-0.3844	6.81E-18	-0.40733
0.043895	0.3439	0.134578	0.00357	0.388542	2.81E-18	0.345779	1.46E-14	0.375879
-0.2609	1.05E-08	-0.39861	3.09E-19	-0.53553	5.12E-36	-0.53665	3.45E-36	-0.52259
0.273496	1.86E-09	0.138137	0.00278	0.723723	6.29E-77	0.481521	1.77E-28	0.603319
0.19913	1.46E-05	0.106695	0.0211	0.626428	2.88E-52	0.464927	2.02E-26	0.502114
0.050333	0.27771	-0.06528	0.15901	0.266409	4.98E-09	0.186221	5.14E-05	0.154774
-0.04602	0.32097	-0.0502	0.27902	0.292472	1.16E-10	0.281117	6.26E-10	0.246672
0.182845	7.06E-05	0.069885	0.13155	0.287321	2.51E-10	0.204725	8.21E-06	0.220137

0.284286	3.94E-10	0.202672	1.02E-05	0.697445	2.74E-69	0.499387	7.96E-31	0.549852
0.497243	1.55E-30	0.383204	8.78E-18	0.731983	1.63E-79	0.545955	1.24E-37	0.623065
-0.16586	0.00032	0.045829	0.32303	-0.45325	4.88E-25	-0.27172	2.39E-09	-0.205
0.244721	8.51E-08	0.304782	1.70E-11	0.555497	3.65E-39	0.467596	9.59E-27	0.495974
0.342573	2.64E-14	0.25902	1.35E-08	0.640434	2.86E-55	0.431112	1.47E-22	0.587655
-0.14125	0.00222	0.060025	0.19538	-0.43056	1.69E-22	-0.27538	1.43E-09	-0.32524
0.179144	9.92E-05	0.035965	0.43811	0.562341	2.71E-40	0.375824	4.10E-17	0.437816
-0.16434	0.00036	-0.17965	9.47E-05	-0.27502	1.50E-09	-0.39352	9.53E-19	-0.24506
0.159701	0.00053	-0.01243	0.78884	0.303431	2.11E-11	0.27022	2.95E-09	0.285002
0.193925	2.45E-05	0.171887	0.00019	0.433022	9.13E-23	0.398086	3.48E-19	0.378628
-0.00483	0.91712	0.199696	1.38E-05	-0.25415	2.56E-08	-0.19811	1.61E-05	-0.14983
0.339915	4.29E-14	0.281888	5.59E-10	0.759708	5.94E-89	0.661691	3.89E-60	0.6274
0.318513	1.80E-12	0.153261	0.00089	0.608601	1.16E-48	0.461983	4.56E-26	0.485075
0.317091	2.28E-12	0.256612	1.85E-08	0.697012	3.61E-69	0.526046	1.36E-34	0.594119
0.321828	1.03E-12	0.177142	0.00012	0.658403	2.33E-59	0.508563	4.38E-32	0.473107
0.143561	0.00187	0.164256	0.00036	0.495172	2.93E-30	0.446404	2.98E-24	0.327184
0.298862	4.33E-11	0.183376	6.72E-05	0.562435	2.61E-40	0.358637	1.27E-15	0.460133
0.28758	2.42E-10	0.229209	5.53E-07	0.611695	2.86E-49	0.580778	1.81E-43	0.494411
0.12174	0.00845	0.167374	0.00028	0.408575	3.24E-20	0.35943	1.09E-15	0.423181
0.382354	1.05E-17	0.333263	1.41E-13	0.731606	2.15E-79	0.639183	5.38E-55	0.604934
0.377366	2.98E-17	0.330622	2.25E-13	0.716873	7.48E-75	0.579761	2.74E-43	0.660579
0.292485	1.15E-10	0.25091	3.89E-08	0.606571	2.89E-48	0.49334	5.13E-30	0.495038
0.396211	5.27E-19	0.333252	1.42E-13	0.764895	7.31E-91	0.659211	1.51E-59	0.638448
0.169818	0.00023	0.10321	0.02572	0.500565	5.51E-31	0.325307	5.67E-13	0.43998
0.239906	1.54E-07	0.212918	3.45E-06	0.645039	2.72E-56	0.527765	7.55E-35	0.541715
-0.18618	5.16E-05	0.125118	0.00678	-0.39385	8.86E-19	-0.2068	6.61E-06	-0.31994
0.136565	0.0031	-0.02214	0.63318	0.452718	5.62E-25	0.247109	6.31E-08	0.413547
0.150883	0.00107	-0.09066	0.05024	0.563829	1.53E-40	0.365977	3.01E-16	0.407656
0.43571	4.65E-23	0.288728	2.04E-10	0.793374	#####	0.580075	2.41E-43	0.665323
0.372175	8.65E-17	0.211998	3.81E-06	0.737794	2.15E-81	0.505382	1.21E-31	0.63581
0.304547	1.77E-11	0.240324	1.47E-07	0.596871	2.07E-46	0.514075	7.34E-33	0.520307
0.381193	1.34E-17	0.371774	9.38E-17	0.747165	1.57E-84	0.754422	4.68E-87	0.544521
0.214215	3.00E-06	0.043107	0.35264	0.516698	3.10E-33	0.359575	1.06E-15	0.377589
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0.353094	3.70E-15	0.255376	2.18E-08	0.659802	1.09E-59	0.590104	3.74E-45	0.497027
0.176302	0.00013	0.112581	0.01493	0.307261	1.14E-11	0.2701	3.00E-09	0.358233
0.001187	0.97958	0.118791	0.01019	-0.25178	3.48E-08	-0.14514	0.00166	-0.27869
0.190664	3.36E-05	0.123282	0.00765	0.595234	4.20E-46	0.432951	9.29E-23	0.44338
0.377067	3.17E-17	0.154244	0.00082	0.698313	1.58E-69	0.423727	9.01E-22	0.513487
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0.355201	2.47E-15	0.191833	3.00E-05	0.533639	9.93E-36	0.483751	9.15E-29	0.37736
0.210838	4.31E-06	0.024361	0.59951	0.559882	6.94E-40	0.504957	1.38E-31	0.402264
0.335059	1.03E-13	0.156243	0.0007	0.724177	4.56E-77	0.485765	5.04E-29	0.563511
0.124629	0.00701	0.024364	0.59946	0.373365	6.78E-17	0.302574	2.42E-11	0.260614
0.223668	1.05E-06	0.20292	9.90E-06	0.503054	2.52E-31	0.472509	2.39E-27	0.331876



0.219995	1.58E-06	0.140117	0.00241	0.41118	1.77E-20	0.387605	3.44E-18	0.319805
0.186034	5.24E-05	0.196686	1.86E-05	0.647631	7.12E-57	0.545728	1.34E-37	0.453439
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0.304657	1.74E-11	0.20031	1.29E-05	0.598005	1.27E-46	0.359938	9.90E-16	0.493407
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0.290453	1.57E-10	0.15142	0.00103	0.52082	7.90E-34	0.297839	5.07E-11	0.486268
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0.280572	6.77E-10	0.093719	0.04294	0.501556	4.04E-31	0.431536	1.32E-22	0.321566
0.233798	3.22E-07	0.059709	0.19774	0.525959	1.40E-34	0.287281	2.53E-10	0.452934
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0.239815	1.56E-07	0.293131	1.05E-10	0.337802	6.28E-14	0.476542	7.52E-28	0.247334
0.243689	9.68E-08	-0.0013	0.9776	0.601088	3.29E-47	0.371984	8.99E-17	0.420239
0.345282	1.60E-14	0.161226	0.00047	0.648352	4.89E-57	0.45146	7.86E-25	0.559852
0.488385	2.30E-29	0.071296	0.12391	0.567885	3.16E-41	0.303222	2.18E-11	0.496382
0.230106	4.98E-07	0.013208	0.77589	0.222405	1.21E-06	0.058443	0.20743	0.212718
0.237778	2.00E-07	0.157037	0.00066	0.560942	4.63E-40	0.407868	3.81E-20	0.463446
0.098914	0.03259	0.015476	0.73871	0.482155	1.47E-28	0.376761	3.38E-17	0.318039
0.159152	0.00056	0.167864	0.00027	0.384391	6.82E-18	0.399371	2.61E-19	0.295528
0.127618	0.00575	0.199631	1.38E-05	0.550908	2.01E-38	0.471593	3.11E-27	0.43044
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0.040658	0.38069	0.032584	0.4824	0.501974	3.55E-31	0.471883	2.86E-27	0.329129
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0.297428	5.41E-11	0.268272	3.86E-09	0.658747	1.94E-59	0.637046	1.57E-54	0.496234
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0.089478	0.05332	0.088396	0.05628	0.227638	6.64E-07	0.213318	3.30E-06	0.255938
-0.12102	0.00885	-0.14991	0.00116	-0.5268	1.05E-34	-0.40964	2.53E-20	-0.38981
0.379983	1.73E-17	0.293685	9.62E-11	0.769177	1.78E-92	0.6649	6.61E-61	0.6212
0.28918	1.90E-10	0.289121	1.92E-10	0.50501	1.36E-31	0.388867	2.62E-18	0.512065
0.204283	8.60E-06	0.077531	0.09423	0.619113	9.26E-51	0.511439	1.73E-32	0.413854
0.296692	6.06E-11	0.153782	0.00086	0.613517	1.24E-49	0.510961	2.02E-32	0.441505
0.155143	0.00077	0.016325	0.72493	0.445285	3.99E-24	0.346019	1.40E-14	0.24132
0.040069	0.38762	-0.04868	0.29385	0.231435	4.26E-07	0.132511	0.00412	0.234024
0.504635	1.53E-31	0.236696	2.28E-07	0.622024	2.35E-51	0.432689	9.92E-23	0.556409
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0.211459	4.03E-06	0.18458	6.00E-05	0.335449	9.58E-14	0.325756	5.25E-13	0.298095
0.126855	0.00605	0.097318	0.03552	0.306047	1.39E-11	0.239014	1.72E-07	0.290281
0.309083	8.53E-12	0.215928	2.48E-06	0.682279	3.02E-65	0.553626	7.34E-39	0.497994
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0.032286	0.48641	0.044742	0.33465	0.374057	5.89E-17	0.301653	2.79E-11	0.312698
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0.032965	0.47729	-0.048	0.30065	0.394327	7.99E-19	0.308107	9.99E-12	0.278456
0.413113	1.13E-20	0.275947	1.32E-09	0.694765	1.48E-68	0.504721	1.49E-31	0.550223
0.135535	0.00334	0.047045	0.31035	0.363849	4.59E-16	0.223162	1.11E-06	0.295417
0.340729	3.70E-14	0.118744	0.01022	0.673259	5.88E-63	0.408695	3.15E-20	0.515158
0.268706	3.63E-09	0.276715	1.18E-09	0.54166	5.83E-37	0.354332	2.92E-15	0.555565
0.190242	3.50E-05	0.220414	1.51E-06	0.419813	2.31E-21	0.316497	2.52E-12	0.382768
0.19273	2.75E-05	-0.04707	0.31005	0.421266	1.63E-21	0.288504	2.10E-10	0.296827
0.140835	0.00228	0.316028	2.73E-12	0.561726	3.43E-40	0.486773	3.73E-29	0.52613
0.273207	1.94E-09	0.32969	2.65E-13	0.532687	1.38E-35	0.413116	1.13E-20	0.512833
0.348335	9.08E-15	0.158862	0.00057	0.562529	2.52E-40	0.338937	5.12E-14	0.50343
0.305913	1.42E-11	0.22278	1.16E-06	0.643699	5.42E-56	0.425941	5.25E-22	0.589
0.20622	7.03E-06	0.20775	5.98E-06	0.59391	7.42E-46	0.374239	5.67E-17	0.560415
0.372423	8.22E-17	0.209557	4.94E-06	0.599557	6.44E-47	0.429835	2.02E-22	0.480198
0.07583	0.1017	0.058907	0.20384	0.243729	9.63E-08	0.293256	1.03E-10	0.171784
0.232427	3.79E-07	0.189095	3.91E-05	0.490468	1.23E-29	0.345217	1.62E-14	0.388788
0.197459	1.72E-05	0.17808	0.00011	0.645936	1.71E-56	0.538412	1.85E-36	0.464687
0.110694	0.01671	0.030119	0.51616	0.563897	1.49E-40	0.453715	4.31E-25	0.423085
0.393081	1.05E-18	0.298611	4.50E-11	0.628715	9.53E-53	0.548387	5.09E-38	0.477575
0.340018	4.21E-14	0.222041	1.26E-06	0.720346	6.75E-76	0.536252	3.98E-36	0.559601
0.219785	1.62E-06	0.072697	0.11668	0.564114	1.37E-40	0.471126	3.55E-27	0.39097
0.331031	2.10E-13	0.207522	6.13E-06	0.725394	1.92E-77	0.655436	1.16E-58	0.50802
0.106799	0.02098	-0.06646	0.15158	0.356415	1.96E-15	0.322888	8.59E-13	0.194798
0.404547	8.14E-20	0.265144	5.92E-09	0.774904	1.09E-94	0.618763	1.09E-50	0.6051
0.384248	7.03E-18	0.333792	1.29E-13	0.743689	2.38E-83	0.645829	1.81E-56	0.612608
0.317668	2.07E-12	0.266603	4.85E-09	0.722037	2.07E-76	0.518253	1.86E-33	0.66307
0.236401	2.36E-07	0.108492	0.01902	0.668105	1.10E-61	0.379456	1.93E-17	0.594444
0.177107	0.00012	0.107838	0.01976	0.37566	4.24E-17	0.250529	4.08E-08	0.311855
0.304741	1.71E-11	0.196682	1.86E-05	0.663037	1.85E-60	0.527281	8.91E-35	0.512177
0.01037	0.82315	-0.03119	0.50133	0.412368	1.34E-20	0.372208	8.59E-17	0.353828
0.045788	0.32347	0.036585	0.43026	0.465895	1.54E-26	0.325635	5.36E-13	0.404337
0.298103	4.87E-11	0.254224	2.53E-08	0.726468	8.91E-78	0.592451	1.38E-45	0.611922
0.253161	2.91E-08	0.316256	2.63E-12	0.600311	4.63E-47	0.584637	3.69E-44	0.679967
-0.1429	0.00196	-0.09762	0.03495	-0.26695	4.63E-09	-0.35815	1.40E-15	-0.2149
0.065842	0.15544	-0.00402	0.93102	0.42726	3.80E-22	0.300752	3.22E-11	0.368001
0.273543	1.85E-09	0.158176	0.0006	0.675564	1.56E-63	0.510758	2.16E-32	0.554411
0.259637	1.24E-08	0.113985	0.01371	0.617243	2.22E-50	0.470466	4.27E-27	0.456202
0.264687	6.30E-09	0.123505	0.00754	0.648548	4.41E-57	0.409639	2.53E-20	0.590381
0.296793	5.97E-11	0.155491	0.00075	0.702586	1.02E-70	0.530315	3.15E-35	0.57066
0.115087	0.01282	0.146461	0.00151	0.4394	1.82E-23	0.293218	1.03E-10	0.3867
0.006484	0.88886	-0.01203	0.79538	0.292447	1.16E-10	0.250826	3.93E-08	0.247724
0.213734	3.16E-06	-0.07663	0.09813	0.520276	9.48E-34	0.318797	1.72E-12	0.362165

0.411601	1.61E-20	0.293315	1.02E-10	0.817166	#####	0.583792	5.24E-44	0.702563
0.346126	1.37E-14	0.222057	1.26E-06	0.692057	7.99E-68	0.513733	8.21E-33	0.566494
0.122718	0.00793	0.042043	0.36466	0.612397	2.07E-49	0.409551	2.58E-20	0.449339
0.030871	0.50573	-0.1438	0.00184	0.287966	2.28E-10	0.202607	1.02E-05	0.14854
0.255355	2.19E-08	0.243803	9.54E-08	0.689223	4.57E-67	0.433921	7.29E-23	0.564887
0.138755	0.00266	0.11917	0.00995	0.452381	6.15E-25	0.463086	3.37E-26	0.291928
0.334249	1.19E-13	0.266862	4.68E-09	0.642115	1.22E-55	0.422416	1.24E-21	0.59448
0.234277	3.05E-07	0.059955	0.1959	0.583143	6.85E-44	0.493938	4.28E-30	0.399767
0.28307	4.70E-10	0.136452	0.00313	0.473457	1.83E-27	0.339984	4.23E-14	0.447732
0.261367	9.87E-09	0.251159	3.77E-08	0.735943	8.65E-81	0.497465	1.45E-30	0.620447
0.179969	9.20E-05	0.126178	0.00633	0.592104	1.60E-45	0.546316	1.09E-37	0.402894
0.19461	2.29E-05	0.13664	0.00309	0.350589	5.95E-15	0.261641	9.51E-09	0.29309
0.246027	7.23E-08	0.331291	2.00E-13	0.57592	1.30E-42	0.506907	7.44E-32	0.553537
0.070745	0.12686	0.012579	0.78631	0.255717	2.09E-08	0.30872	9.04E-12	0.129227
0.298044	4.91E-11	0.180115	9.08E-05	0.475955	8.91E-28	0.316828	2.39E-12	0.435256
0.230021	5.03E-07	0.123472	0.00755	0.308944	8.72E-12	0.10654	0.02129	0.406234
0.161671	0.00045	0.033864	0.46536	0.460575	6.72E-26	0.2756	1.38E-09	0.391809
0.250508	4.09E-08	0.113836	0.01384	0.428101	3.09E-22	0.170844	0.00021	0.351388
0.34137	3.29E-14	0.243736	9.62E-08	0.748392	5.96E-85	0.580143	2.35E-43	0.599574
-0.05287	0.25419	-0.13673	0.00307	-0.30448	1.79E-11	-0.23709	2.17E-07	-0.31648
-0.2247	9.31E-07	-0.15757	0.00063	-0.421	1.74E-21	-0.34326	2.33E-14	-0.40026
0.215657	2.56E-06	0.051809	0.26384	0.37444	5.44E-17	0.313683	4.02E-12	0.169739
0.221161	1.39E-06	0.238433	1.85E-07	0.481086	2.01E-28	0.419937	2.24E-21	0.401631
0.289181	1.90E-10	0.238249	1.89E-07	0.603273	1.26E-47	0.396415	5.04E-19	0.542658
0.146123	0.00154	-0.00402	0.93099	0.324809	6.18E-13	0.192741	2.75E-05	0.320245
0.354578	2.79E-15	0.203265	9.55E-06	0.753588	9.22E-87	0.467915	8.77E-27	0.640242
0.269748	3.15E-09	0.25134	3.68E-08	0.746668	2.32E-84	0.544646	1.99E-37	0.633819
0.39492	7.01E-19	0.146598	0.00149	0.671352	1.75E-62	0.46	7.86E-26	0.487965
-0.2185	1.87E-06	-0.00761	0.86968	-0.39739	4.06E-19	-0.2642	6.74E-09	-0.28755
-0.09255	0.04561	-0.11396	0.01374	-0.22224	1.23E-06	-0.2415	1.27E-07	-0.26572
0.203552	9.27E-06	0.250456	4.12E-08	0.591808	1.82E-45	0.55773	1.57E-39	0.454476
0.223493	1.07E-06	0.139778	0.00247	0.557835	1.51E-39	0.447202	2.42E-24	0.403928
0.383207	8.77E-18	0.145297	0.00164	0.511163	1.89E-32	0.346491	1.28E-14	0.428998
0.013535	0.77049	0.094608	0.04099	-0.33771	6.39E-14	-0.21994	1.59E-06	-0.1964
0.170112	0.00022	-0.05276	0.2552	0.287985	2.27E-10	0.213471	3.25E-06	0.234299
0.127866	0.00565	0.005925	0.89839	0.472345	2.51E-27	0.333346	1.39E-13	0.393137
0.287436	2.47E-10	0.226986	7.16E-07	0.513938	7.68E-33	0.468475	7.50E-27	0.48029
0.233255	3.44E-07	0.008395	0.85642	0.525229	1.79E-34	0.400687	1.95E-19	0.273225
-0.01294	0.7803	0.133294	0.00391	-0.2457	7.53E-08	-0.10162	0.02811	-0.21655
-0.12632	0.00627	-0.11526	0.01269	-0.37944	1.93E-17	-0.37608	3.88E-17	-0.28249
0.16379	0.00038	-0.04988	0.28202	0.461042	5.91E-26	0.286194	2.97E-10	0.3839
0.31582	2.82E-12	0.236345	2.38E-07	0.677339	5.55E-64	0.581417	1.39E-43	0.455623
0.091276	0.04869	-0.04609	0.32025	0.255309	2.20E-08	0.131007	0.00457	0.226582
0.342217	2.82E-14	0.202641	1.02E-05	0.721658	2.70E-76	0.468301	7.87E-27	0.589623
0.17991	9.25E-05	0.018009	0.69789	0.57795	5.73E-43	0.418605	3.09E-21	0.455343

0.23829	1.88E-07	0.06499	0.16086	0.40811	3.60E-20	0.114537	0.01326	0.470652
0.29764	5.23E-11	0.237186	2.15E-07	0.52182	5.65E-34	0.501412	4.23E-31	0.476827
0.307803	1.05E-11	0.109865	0.01755	0.720227	7.34E-76	0.469902	5.01E-27	0.562831
0.045834	0.32298	-0.07343	0.11303	0.27758	1.04E-09	0.145562	0.00161	0.192286
0.212939	3.44E-06	0.122767	0.00791	0.338585	5.46E-14	0.446087	3.24E-24	0.196425
0.192511	2.81E-05	0.228429	6.06E-07	0.370711	1.16E-16	0.428016	3.16E-22	0.298567
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0.244286	8.99E-08	0.129681	0.005	0.567154	4.20E-41	0.386873	4.02E-18	0.473906
0.236621	2.30E-07	0.092525	0.04567	0.598944	8.42E-47	0.44906	1.48E-24	0.48774
0.324761	6.23E-13	0.353462	3.45E-15	0.681377	5.16E-65	0.612145	2.33E-49	0.565784
0.284122	4.03E-10	0.246061	7.20E-08	0.629636	6.09E-53	0.57004	1.35E-41	0.508939
0.433877	7.37E-23	0.364466	4.07E-16	0.73442	2.69E-80	0.609174	8.98E-49	0.671478
0.085544	0.06474	0.02928	0.52793	0.340914	3.57E-14	0.348273	9.19E-15	0.274867
0.23037	4.83E-07	0.020284	0.66195	0.346478	1.28E-14	0.290334	1.60E-10	0.237641
-0.10335	0.02552	0.084379	0.06848	-0.3536	3.36E-15	-0.25038	4.16E-08	-0.19952
0.298364	4.68E-11	0.261753	9.37E-09	0.715704	1.67E-74	0.587278	1.23E-44	0.573079
0.239717	1.58E-07	0.094281	0.0417	0.505428	1.19E-31	0.418899	2.88E-21	0.411987
0.286885	2.68E-10	0.150563	0.0011	0.53545	5.27E-36	0.503186	2.42E-31	0.351981
0.293729	9.55E-11	0.27237	2.18E-09	0.389358	2.36E-18	0.437038	3.32E-23	0.297308
0.198604	1.54E-05	0.160993	0.00048	0.473127	2.01E-27	0.3685	1.82E-16	0.302695
0.215199	2.69E-06	-0.0166	0.72048	0.571264	8.34E-42	0.380688	1.49E-17	0.3446
0.208418	5.58E-06	0.355776	2.22E-15	0.400223	2.16E-19	0.604883	6.15E-48	0.255159
0.255783	2.07E-08	0.14505	0.00167	0.437191	3.20E-23	0.355135	2.51E-15	0.246397
0.125282	0.00671	0.064225	0.16586	0.647656	7.02E-57	0.435213	5.27E-23	0.4971
-0.02505	0.58926	0.01558	0.73701	-0.33807	5.99E-14	-0.23125	4.36E-07	-0.28951
0.242101	1.18E-07	-0.01335	0.77347	0.556137	2.87E-39	0.36306	5.37E-16	0.421536
0.244869	8.35E-08	0.146509	0.0015	0.643248	6.83E-56	0.504633	1.53E-31	0.474145
0.412098	1.43E-20	0.3905	1.84E-18	0.552149	1.27E-38	0.602937	1.46E-47	0.477128
0.007118	0.87807	0.061424	0.18515	-0.18488	5.84E-05	-0.15366	0.00086	-0.21996
0.326638	4.51E-13	0.313903	3.88E-12	0.662999	1.89E-60	0.660252	8.54E-60	0.504374
0.016487	0.72232	0.135542	0.00334	-0.1086	0.0189	-0.04522	0.32948	-0.0668
0.090241	0.05131	-0.01717	0.71139	0.300968	3.11E-11	0.214005	3.06E-06	0.232267
0.329007	2.99E-13	0.318627	1.77E-12	0.64206	1.25E-55	0.669306	5.59E-62	0.462823
0.098294	0.0337	0.268818	3.58E-09	0.28412	4.03E-10	0.338846	5.20E-14	0.295244
0.123047	0.00777	0.071104	0.12493	0.471901	2.85E-27	0.461145	5.74E-26	0.342305
0.355408	2.38E-15	0.093916	0.0425	0.551454	1.65E-38	0.310338	6.96E-12	0.507668
0.092411	0.04594	0.013805	0.76605	0.294009	9.15E-11	0.171286	0.0002	0.285215
0.370214	1.29E-16	0.187078	4.74E-05	0.686857	1.93E-66	0.513207	9.75E-33	0.522939
0.132942	0.004	0.219887	1.60E-06	-0.1329	0.00401	-0.06699	0.14836	-0.1284
0.341696	3.10E-14	0.314447	3.55E-12	0.71292	1.11E-73	0.633793	7.93E-54	0.566536
-0.23668	2.28E-07	-0.15655	0.00069	-0.40433	8.55E-20	-0.25312	2.92E-08	-0.37715
0.033507	0.47008	0.046632	0.31462	0.468467	7.51E-27	0.405781	6.15E-20	0.296645
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0.383018	9.13E-18	0.325784	5.23E-13	0.722748	1.25E-76	0.603239	1.28E-47	0.587472
0.380149	1.67E-17	0.252959	2.99E-08	0.608291	1.34E-48	0.573194	3.87E-42	0.508779

0.217041	2.20E-06	0.185234	5.65E-05	0.488208	2.43E-29	0.353346	3.53E-15	0.474819
0.247299	6.16E-08	0.088432	0.05618	0.471839	2.90E-27	0.316171	2.66E-12	0.367371
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0.230838	4.57E-07	0.14393	0.00182	0.485845	4.92E-29	0.421735	1.46E-21	0.360538
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0.100038	0.03066	0.057921	0.21153	0.521277	6.78E-34	0.43871	2.17E-23	0.411925
0.282973	4.77E-10	0.212039	3.79E-06	0.646827	1.08E-56	0.511976	1.46E-32	0.479981
0.356179	2.05E-15	0.10111	0.02891	0.545947	1.24E-37	0.333723	1.30E-13	0.484248
0.130832	0.00463	0.138695	0.00267	0.296296	6.44E-11	0.25667	1.84E-08	0.2256
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0.276445	1.23E-09	0.195944	2.00E-05	0.469465	5.67E-27	0.438746	2.15E-23	0.327233
0.270768	2.73E-09	0.296654	6.10E-11	0.562774	2.29E-40	0.492057	7.59E-30	0.478399
0.193024	2.67E-05	0.123713	0.00744	0.446414	2.97E-24	0.346635	1.25E-14	0.469779
0.310375	6.91E-12	-0.02475	0.59362	-0.23481	2.86E-07	-0.19315	2.64E-05	-0.22322
0.38855	2.80E-18	0.245219	8.00E-08	0.740472	2.82E-82	0.615653	4.64E-50	0.575228
0.009199	0.84284	0.037835	0.41466	0.252016	3.37E-08	0.166347	0.00031	0.244264
0.266172	5.15E-09	0.027523	0.55298	0.455626	2.58E-25	0.292024	1.24E-10	0.324402
0.337982	6.08E-14	0.324708	6.29E-13	0.662446	2.57E-60	0.657287	4.27E-59	0.490646
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0.27353	1.85E-09	0.067532	0.14508	0.680966	6.58E-65	0.470913	3.77E-27	0.513402
-0.03156	0.4963	-0.1412	0.00222	0.24395	9.37E-08	0.185699	5.40E-05	0.220046
0.067408	0.14582	0.236351	2.38E-07	-0.106	0.02196	-0.03523	0.44753	0.163053
0.430785	1.59E-22	0.369742	1.42E-16	0.779133	2.29E-96	0.658793	1.89E-59	0.607413
0.018976	0.68254	-0.11527	0.01268	-0.28584	3.13E-10	-0.25314	2.92E-08	-0.2905
0.313953	3.85E-12	0.205526	7.55E-06	0.503494	2.20E-31	0.442552	8.11E-24	0.526634
0.330457	2.32E-13	0.294482	8.51E-11	0.734186	3.20E-80	0.589257	5.35E-45	0.566279
-0.13282	0.00404	-0.05611	0.22615	-0.46304	3.40E-26	-0.35072	5.80E-15	-0.26198
0.006388	0.8905	0.148292	0.00131	0.337368	6.79E-14	0.255163	2.24E-08	0.341062
-0.09081	0.04985	-0.23651	2.33E-07	-0.41295	1.17E-20	-0.41893	2.86E-21	-0.41403
-0.03733	0.42097	0.085099	0.06615	-0.3409	3.59E-14	-0.26472	6.28E-09	-0.25065
0.132063	0.00425	-0.07891	0.08852	0.533206	1.15E-35	0.298825	4.35E-11	0.392586
0.052433	0.25812	-0.01525	0.74247	0.410568	2.04E-20	0.238059	1.93E-07	0.286684
0.424715	7.08E-22	0.276904	1.15E-09	0.818677	#####	0.626476	2.81E-52	0.61777
0.293911	9.29E-11	0.177455	0.00012	0.746512	2.62E-84	0.542648	4.09E-37	0.622965
0.160477	0.0005	0.146453	0.00151	0.410128	2.26E-20	0.31606	2.71E-12	0.427605
0.27294	2.01E-09	0.272905	2.02E-09	0.507088	7.02E-32	0.593281	9.70E-46	0.355457
0.211744	3.91E-06	0.182659	7.18E-05	0.640553	2.69E-55	0.613657	1.16E-49	0.465753
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0.384123	7.22E-18	0.271654	2.41E-09	0.668787	7.49E-62	0.48786	2.69E-29	0.626136
0.24332	1.01E-07	0.2007	1.24E-05	0.580011	2.48E-43	0.355467	2.35E-15	0.461094
0.175418	0.00014	0.086258	0.06253	0.444875	4.44E-24	0.362971	5.46E-16	0.216076
0.198192	1.60E-05	0.077896	0.09269	0.362351	6.17E-16	0.320352	1.32E-12	0.182293
0.041405	0.37199	-0.09441	0.04142	0.243503	9.91E-08	0.148644	0.00128	0.139428

0.37328	6.90E-17	0.178114	0.00011	0.722946	1.09E-76	0.503681	2.07E-31	0.591178
0.232258	3.87E-07	0.235245	2.71E-07	0.484891	6.53E-29	0.566916	4.61E-41	0.498538
-0.09891	0.0326	0.065513	0.15752	-0.35101	5.49E-15	-0.22604	7.99E-07	-0.19978
0.293885	9.33E-11	0.330792	2.19E-13	0.621141	3.57E-51	0.516328	3.51E-33	0.565409
-0.26173	9.40E-09	-0.07589	0.10143	-0.44421	5.27E-24	-0.35979	1.02E-15	-0.28822
0.30325	2.17E-11	0.202671	1.02E-05	0.72915	1.29E-78	0.579925	2.57E-43	0.552788
0.382025	1.13E-17	0.08569	0.06428	0.465868	1.56E-26	0.275312	1.44E-09	0.48401
-0.08356	0.07121	-0.04319	0.3517	-0.44315	6.95E-24	-0.30686	1.22E-11	-0.41053
0.058422	0.20759	-0.09487	0.04043	0.22106	1.41E-06	0.22128	1.37E-06	0.16357
0.115483	0.01251	0.021624	0.64114	0.458713	1.12E-25	0.228354	6.11E-07	0.499924
-0.13266	0.00408	-0.11922	0.00992	-0.39781	3.70E-19	-0.27388	1.76E-09	-0.41384
0.201737	1.12E-05	0.036294	0.43394	0.495004	3.09E-30	0.355487	2.34E-15	0.387728
-0.17931	9.78E-05	-0.01421	0.75944	-0.47909	3.59E-28	-0.30607	1.39E-11	-0.45123
-0.22419	9.86E-07	-0.10772	0.0199	-0.3857	5.16E-18	-0.20287	9.94E-06	-0.39407
0.047951	0.30111	-0.0014	0.97597	0.429052	2.45E-22	0.447809	2.06E-24	0.286918
0.17915	9.92E-05	0.06751	0.14521	0.38435	6.88E-18	0.308991	8.66E-12	0.368575
0.313287	4.29E-12	0.202818	1.00E-05	0.581028	1.63E-43	0.444579	4.80E-24	0.488438
0.266798	4.72E-09	0.105208	0.02298	0.520878	7.75E-34	0.404391	8.43E-20	0.398297
0.350187	6.41E-15	0.366992	2.46E-16	0.750366	1.24E-85	0.720965	4.38E-76	0.574299
0.330514	2.30E-13	0.087315	0.05937	0.634188	6.53E-54	0.471031	3.64E-27	0.47782
0.053489	0.24865	0.0278	0.549	0.252461	3.18E-08	0.225716	8.29E-07	0.24559
0.199549	1.40E-05	0.123045	0.00777	0.557101	1.99E-39	0.378314	2.45E-17	0.442927
0.016069	0.72909	0.117404	0.01111	-0.2456	7.63E-08	-0.15047	0.00111	-0.21811
0.146444	0.00151	0.20455	8.36E-06	0.539633	1.20E-36	0.468315	7.84E-27	0.406357
-0.00658	0.88715	-0.02149	0.64317	-0.39179	1.39E-18	-0.28295	4.79E-10	-0.27576
0.084017	0.06968	0.156896	0.00067	0.31708	2.29E-12	0.341774	3.06E-14	0.239332
0.35703	1.74E-15	0.336135	8.48E-14	0.70527	1.79E-71	0.517254	2.58E-33	0.630541
-0.25769	1.61E-08	-0.29485	8.05E-11	-0.5133	9.47E-33	-0.41427	8.61E-21	-0.4611
-0.04336	0.34981	0.00127	0.97817	-0.39606	5.46E-19	-0.35953	1.07E-15	-0.2828
0.224397	9.64E-07	0.184874	5.84E-05	0.319766	1.46E-12	0.235056	2.77E-07	0.280564
0.394111	8.37E-19	0.422005	1.37E-21	0.788149	#####	0.719964	8.82E-76	0.622337
0.2236	1.06E-06	0.032966	0.47728	0.556567	2.44E-39	0.252489	3.17E-08	0.438456
0.130482	0.00474	0.074834	0.10629	0.541968	5.22E-37	0.565459	8.13E-41	0.37076
0.24755	5.96E-08	0.03103	0.50354	0.64145	1.71E-55	0.478133	4.75E-28	0.424278
0.313973	3.83E-12	0.173328	0.00017	0.62784	1.46E-52	0.420182	2.12E-21	0.601864
0.355844	2.19E-15	0.15707	0.00066	0.729734	8.43E-79	0.473352	1.88E-27	0.628169
-0.19079	3.32E-05	-0.15682	0.00067	-0.30942	8.07E-12	-0.33429	1.18E-13	-0.24927
0.36169	7.03E-16	0.203294	9.52E-06	0.682982	1.99E-65	0.562357	2.69E-40	0.464426
0.009776	0.83313	0.080473	0.08235	-0.2967	6.06E-11	-0.22505	8.95E-07	-0.17951
0.346741	1.22E-14	0.384784	6.28E-18	0.618729	1.11E-50	0.572287	5.56E-42	0.541044
0.393127	1.04E-18	0.230484	4.77E-07	0.728651	1.85E-78	0.505689	1.10E-31	0.567634
0.290102	1.66E-10	0.203743	9.09E-06	0.645722	1.91E-56	0.490066	1.39E-29	0.527425
0.154704	0.0008	-0.0358	0.44018	0.300989	3.10E-11	0.278225	9.50E-10	0.197823
-0.13541	0.00337	-0.05937	0.20033	-0.41594	5.80E-21	-0.4085	3.29E-20	-0.36033
-0.24589	7.35E-08	-0.03553	0.44372	-0.38812	3.08E-18	-0.25941	1.28E-08	-0.34156

-0.03063	0.50909	0.058708	0.20538	-0.33793	6.14E-14	-0.2234	1.08E-06	-0.18949
0.270726	2.75E-09	0.326545	4.58E-13	0.707155	5.18E-72	0.598807	8.94E-47	0.599859
0.114709	0.01312	0.160008	0.00052	0.371941	9.07E-17	0.226152	7.88E-07	0.383963
0.341192	3.40E-14	0.353488	3.43E-15	0.679138	1.93E-64	0.554189	5.95E-39	0.572151
0.21808	1.96E-06	0.195085	2.18E-05	0.631292	2.71E-53	0.522386	4.68E-34	0.564611
0.17024	0.00022	0.016938	0.71505	0.363207	5.21E-16	0.278459	9.19E-10	0.200579
0.371959	9.03E-17	0.403897	9.43E-20	0.769912	9.33E-93	0.646989	9.94E-57	0.703645
0.031616	0.49552	-0.08207	0.07645	0.16505	0.00034	0.049995	0.28095	0.165735
0.351824	4.71E-15	0.192279	2.88E-05	0.696571	4.76E-69	0.427802	3.33E-22	0.583338
0.30412	1.89E-11	0.318541	1.79E-12	0.694685	1.56E-68	0.642759	8.77E-56	0.491317
0.348047	9.58E-15	0.193321	2.60E-05	0.490894	1.08E-29	0.284262	3.95E-10	0.484507
0.126202	0.00632	0.010562	0.81993	0.375007	4.84E-17	0.352746	3.95E-15	0.339046
0.358865	1.22E-15	0.302544	2.43E-11	0.75911	9.78E-89	0.654013	2.47E-58	0.547988
0.223994	1.01E-06	0.139246	0.00256	0.49571	2.48E-30	0.299817	3.73E-11	0.364267
0.009327	0.84068	-0.14692	0.00145	0.411555	1.62E-20	0.246714	6.63E-08	0.31982
0.093989	0.04234	0.111125	0.01629	0.394005	8.57E-19	0.249528	4.64E-08	0.403292
0.108878	0.01859	-0.11162	0.01582	0.151554	0.00102	0.059393	0.20013	0.103861
0.132557	0.00411	0.255363	2.18E-08	0.482069	1.50E-28	0.468519	7.40E-27	0.350228
-0.04098	0.37688	0.058839	0.20436	-0.25057	4.06E-08	-0.2509	3.89E-08	-0.13797
0.291542	1.33E-10	0.177556	0.00011	0.668586	8.40E-62	0.43238	1.07E-22	0.764501
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0.165219	0.00034	0.324153	6.92E-13	0.347229	1.12E-14	0.36242	6.09E-16	0.304415
0.170025	0.00022	0.077316	0.09515	0.54524	1.60E-37	0.39569	5.92E-19	0.399956
0.149323	0.00121	-0.07165	0.12207	0.50611	9.59E-32	0.338198	5.85E-14	0.350027
0.063054	0.17373	-0.12678	0.00608	0.425733	5.53E-22	0.194442	2.33E-05	0.343788
0.057426	0.21546	0.012523	0.78723	-0.29886	4.33E-11	-0.24619	7.08E-08	-0.25073
0.272218	2.23E-09	0.217861	2.01E-06	0.656491	6.56E-59	0.602624	1.68E-47	0.447715
0.273422	1.88E-09	0.103638	0.02511	0.572305	5.52E-42	0.344353	1.90E-14	0.494211
0.468479	7.49E-27	0.412395	1.33E-20	0.766791	1.43E-91	0.660017	9.71E-60	0.63423
0.245427	7.79E-08	0.169695	0.00023	0.430325	1.79E-22	0.295949	6.80E-11	0.479939
0.132444	0.00414	-0.05441	0.24054	0.401304	1.69E-19	0.340874	3.60E-14	0.225261
0.309789	7.61E-12	0.149358	0.00121	0.294713	8.22E-11	0.191463	3.11E-05	0.255206
0.160445	0.0005	0.028114	0.54449	0.289179	1.90E-10	0.299282	4.05E-11	0.224595
0.195243	2.15E-05	0.05683	0.22027	0.623522	1.16E-51	0.450839	9.27E-25	0.467541
0.169397	0.00024	0.098381	0.03355	0.632214	1.73E-53	0.404743	7.78E-20	0.490375
-0.00343	0.94105	-0.12055	0.00912	0.186303	5.10E-05	0.122443	0.00808	0.093641
0.200689	1.24E-05	-0.07748	0.09444	0.536464	3.69E-36	0.287694	2.38E-10	0.480137
0.324514	6.50E-13	0.106589	0.02123	0.671065	2.06E-62	0.463012	3.43E-26	0.48389
0.251617	3.55E-08	0.119027	0.01004	0.548815	4.35E-38	0.362716	5.74E-16	0.477856
0.11904	0.01003	0.057086	0.21819	0.428812	2.60E-22	0.356891	1.79E-15	0.326143
0.415281	6.78E-21	0.401772	1.53E-19	0.839931	#####	0.724632	3.30E-77	0.658917
0.302788	2.34E-11	0.162782	0.00041	0.698199	1.70E-69	0.520233	9.61E-34	0.540452
0.192623	2.78E-05	0.051465	0.26704	0.610046	6.05E-49	0.400779	1.91E-19	0.478897
0.260743	1.07E-08	0.205045	7.94E-06	0.503809	1.99E-31	0.459943	7.98E-26	0.447059
0.253861	2.66E-08	0.212266	3.70E-06	0.542284	4.66E-37	0.388645	2.75E-18	0.424543

-0.01123	0.8087	0.142686	0.00199	-0.33912	4.95E-14	-0.15321	0.00089	-0.25252
0.020701	0.65546	-0.00099	0.98306	0.277741	1.02E-09	0.222986	1.13E-06	0.13472
0.304533	1.77E-11	0.172174	0.00018	0.649693	2.42E-57	0.434077	7.01E-23	0.582979
0.027937	0.54703	0.066272	0.15275	0.456261	2.17E-25	0.296435	6.30E-11	0.431016
0.386717	4.16E-18	0.234863	2.84E-07	0.666867	2.21E-61	0.517787	2.17E-33	0.727599
0.306744	1.24E-11	0.080509	0.08222	0.59462	5.47E-46	0.422768	1.14E-21	0.453626
0.309199	8.37E-12	0.204202	8.67E-06	0.724431	3.81E-77	0.45758	1.52E-25	0.597367
0.280734	6.61E-10	0.179795	9.35E-05	0.650227	1.83E-57	0.466821	1.19E-26	0.608545
0.19048	3.42E-05	0.073669	0.11186	0.634436	5.77E-54	0.450756	9.47E-25	0.505252
0.096121	0.03785	0.024842	0.59232	0.402676	1.24E-19	0.356063	2.10E-15	0.266897
0.182497	7.29E-05	0.177642	0.00011	0.41108	1.81E-20	0.45538	2.75E-25	0.323728
0.310143	7.18E-12	0.233052	3.52E-07	0.676763	7.76E-64	0.594864	4.93E-46	0.567278
0.37067	1.17E-16	0.274063	1.72E-09	0.626186	3.23E-52	0.551803	1.45E-38	0.474604
0.331845	1.82E-13	0.226856	7.27E-07	0.694406	1.85E-68	0.474687	1.28E-27	0.791185
0.156749	0.00068	0.029007	0.53178	0.380593	1.52E-17	0.200789	1.23E-05	0.2803
0.340508	3.85E-14	0.179316	9.77E-05	0.708708	1.85E-72	0.531031	2.46E-35	0.579523
0.377525	2.88E-17	0.309421	8.07E-12	0.766998	1.19E-91	0.60394	9.35E-48	0.686235
0.349035	7.97E-15	0.269587	3.22E-09	0.653743	2.85E-58	0.570671	1.06E-41	0.50217
-0.12607	0.00637	-0.19477	2.25E-05	-0.34684	1.20E-14	-0.35104	5.46E-15	-0.33017
0.267419	4.34E-09	0.163316	0.00039	0.668697	7.89E-62	0.505592	1.13E-31	0.563238
0.290377	1.59E-10	0.25218	3.30E-08	0.653316	3.58E-58	0.624971	5.79E-52	0.447462
0.203606	9.22E-06	0.088739	0.05532	0.557137	1.97E-39	0.374732	5.13E-17	0.507379
0.245707	7.52E-08	-0.00273	0.953	0.560246	6.04E-40	0.361764	6.93E-16	0.449941
0.343088	2.40E-14	0.242322	1.15E-07	0.667525	1.52E-61	0.511875	1.50E-32	0.613467
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0.055083	0.23481	0.106542	0.02129	0.372737	7.71E-17	0.432413	1.06E-22	0.220955
0.212274	3.70E-06	0.194138	2.40E-05	0.532967	1.26E-35	0.559368	8.44E-40	0.545812
0.136668	0.00308	0.018915	0.68349	0.404366	8.48E-20	0.308037	1.01E-11	0.395929
0.193011	2.68E-05	0.079762	0.08511	0.565448	8.16E-41	0.441972	9.41E-24	0.41513
0.114116	0.0136	-0.03041	0.51216	0.374196	5.72E-17	0.360726	8.49E-16	0.304158
0.362609	5.86E-16	0.18542	5.55E-05	0.703232	6.73E-71	0.552875	9.71E-39	0.540198
0.340514	3.84E-14	0.063028	0.17391	0.516024	3.88E-33	0.287324	2.51E-10	0.360419
0.23396	3.16E-07	0.22011	1.56E-06	0.587387	1.17E-44	0.579843	2.65E-43	0.398098
0.302325	2.51E-11	0.112916	0.01463	0.523766	2.94E-34	0.422234	1.29E-21	0.356034
0.270157	2.97E-09	0.168978	0.00024	0.380484	1.56E-17	0.476445	7.74E-28	0.303438
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0.247127	6.29E-08	0.057334	0.2162	0.324982	6.00E-13	0.30043	3.39E-11	0.18098
0.390732	1.75E-18	0.34416	1.97E-14	0.711621	2.65E-73	0.602323	1.91E-47	0.592944
-0.20711	6.40E-06	-0.33688	7.42E-14	-0.47782	5.19E-28	-0.47425	1.45E-27	-0.4946
-0.06324	0.17249	0.108849	0.01863	-0.40856	3.25E-20	-0.22286	1.15E-06	-0.33945
0.251392	3.66E-08	0.246019	7.23E-08	0.552513	1.11E-38	0.439169	1.93E-23	0.437358
0.235427	2.65E-07	0.218698	1.83E-06	0.54879	4.39E-38	0.582974	7.35E-44	0.435263
0.287415	2.48E-10	0.386936	3.97E-18	0.645855	1.79E-56	0.652763	4.80E-58	0.489107
0.120786	0.00898	0.0632	0.17274	0.212866	3.47E-06	0.40591	5.97E-20	0.138113
0.109084	0.01837	-0.00265	0.95448	0.167537	0.00028	0.14921	0.00122	0.206496



0.065856	0.15535	-0.00574	0.90148	0.259404	1.28E-08	0.276622	1.20E-09	0.151893
0.273669	1.82E-09	0.177202	0.00012	0.458387	1.22E-25	0.518716	1.59E-33	0.277101
0.077205	0.09563	0.023336	0.61495	0.317185	2.25E-12	0.332642	1.58E-13	0.191342
0.21978	1.62E-06	0.044819	0.33383	0.607298	2.09E-48	0.423631	9.22E-22	0.503413
0.275443	1.41E-09	0.242949	1.06E-07	0.675501	1.61E-63	0.636992	1.62E-54	0.506575
0.327997	3.56E-13	0.246432	6.87E-08	0.619549	7.55E-51	0.497166	1.59E-30	0.660856
0.275536	1.40E-09	0.10396	0.02466	0.429709	2.08E-22	0.390667	1.78E-18	0.338717
0.355775	2.22E-15	0.172834	0.00017	0.457644	1.49E-25	0.328441	3.30E-13	0.370363
-0.02644	0.56876	0.166953	0.00029	0.297577	5.28E-11	0.311879	5.41E-12	0.283608
0.2935	9.89E-11	0.136202	0.00319	0.603527	1.12E-47	0.452582	5.83E-25	0.518383
0.160133	0.00051	-0.00952	0.83746	0.437542	2.92E-23	0.324418	6.61E-13	0.250636
0.339183	4.90E-14	0.275204	1.46E-09	0.674529	2.83E-63	0.507589	5.98E-32	0.600613
0.357279	1.66E-15	0.245396	7.82E-08	0.629577	6.27E-53	0.511448	1.73E-32	0.553863
0.42585	5.37E-22	0.315967	2.76E-12	0.719682	1.07E-75	0.538395	1.87E-36	0.596615
0.215681	2.55E-06	0.024384	0.59916	0.634871	4.65E-54	0.425158	6.36E-22	0.428646
0.387826	3.28E-18	0.299	4.24E-11	0.590334	3.40E-45	0.446582	2.85E-24	0.550513
0.299187	4.11E-11	0.168256	0.00026	0.26157	9.60E-09	0.273296	1.92E-09	0.270462
0.313104	4.42E-12	0.225752	8.26E-07	0.720815	4.87E-76	0.543678	2.82E-37	0.601204
0.285197	3.44E-10	0.209947	4.74E-06	0.377413	2.95E-17	0.287374	2.49E-10	0.377894
0.441037	1.20E-23	0.380526	1.54E-17	0.675688	1.45E-63	0.521277	6.78E-34	0.614171
0.293497	9.90E-11	0.272004	2.30E-09	0.633328	9.98E-54	0.540782	7.98E-37	0.532335
0.374134	5.80E-17	0.240483	1.44E-07	0.752816	1.72E-86	0.53447	7.43E-36	0.675437
0.14303	0.00194	0.039942	0.38914	0.382388	1.04E-17	0.313144	4.40E-12	0.339969
0.179179	9.89E-05	-0.09742	0.03533	0.225272	8.72E-07	0.109467	0.01796	0.2162
-0.01059	0.81953	0.030885	0.50553	0.334171	1.20E-13	0.349978	6.67E-15	0.226701
0.313263	4.31E-12	0.354982	2.58E-15	0.515665	4.36E-33	0.526935	1.00E-34	0.468195
0.292762	1.11E-10	0.211175	4.16E-06	0.553479	7.75E-39	0.611498	3.12E-49	0.359702
0.379627	1.86E-17	0.401028	1.80E-19	0.630744	3.55E-53	0.61258	1.91E-49	0.569012
0.327297	4.02E-13	0.201857	1.10E-05	0.425406	5.99E-22	0.305327	1.56E-11	0.347836
0.368252	1.91E-16	0.267097	4.53E-09	0.539611	1.21E-36	0.385498	5.39E-18	0.43738
-0.21587	2.50E-06	-0.20633	6.95E-06	-0.56575	7.27E-41	-0.39512	6.70E-19	-0.50803
0.050614	0.27504	0.069432	0.13407	0.258271	1.49E-08	0.334003	1.24E-13	0.205849
0.295006	7.86E-11	0.166589	0.0003	0.529335	4.41E-35	0.312521	4.87E-12	0.536458
0.124671	0.00699	-0.03174	0.4938	0.41539	6.61E-21	0.250729	3.98E-08	0.335962
0.384338	6.90E-18	0.352793	3.92E-15	0.715153	2.43E-74	0.653348	3.52E-58	0.577371
0.082827	0.07375	0.170116	0.00022	0.295752	7.00E-11	0.317177	2.25E-12	0.335367
0.246845	6.52E-08	0.299783	3.75E-11	0.637426	1.30E-54	0.504554	1.57E-31	0.562687
0.139019	0.00261	0.085323	0.06544	0.291791	1.28E-10	0.191658	3.05E-05	0.347896
0.39908	2.79E-19	0.294451	8.55E-11	0.71349	7.52E-74	0.477779	5.26E-28	0.618054
0.214533	2.89E-06	0.142645	0.002	0.508978	3.83E-32	0.574793	2.04E-42	0.337099
0.307035	1.19E-11	0.359702	1.04E-15	0.572636	4.84E-42	0.490659	1.16E-29	0.490773
0.242521	1.12E-07	0.25997	1.19E-08	0.385215	5.73E-18	0.378715	2.25E-17	0.381564
0.30285	2.31E-11	0.240748	1.39E-07	0.503234	2.39E-31	0.494918	3.17E-30	0.311645
0.29558	7.19E-11	0.16816	0.00026	0.65587	9.15E-59	0.460989	5.99E-26	0.603883
0.130244	0.00482	0.079975	0.08428	0.269124	3.43E-09	0.166173	0.00031	0.251169

0.033242	0.47359	-0.03541	0.44521	0.250864	3.91E-08	0.252729	3.08E-08	0.222013
0.161746	0.00045	-0.08065	0.08168	0.248163	5.52E-08	0.14736	0.00141	0.282521
0.424202	8.02E-22	0.294275	8.79E-11	0.652073	6.92E-58	0.558963	9.85E-40	0.571825
0.230184	4.94E-07	0.183841	6.43E-05	0.513674	8.37E-33	0.529135	4.72E-35	0.358931
0.255802	2.06E-08	0.213749	3.15E-06	0.455791	2.46E-25	0.397037	4.39E-19	0.427365
0.288115	2.23E-10	0.149764	0.00117	0.600892	3.59E-47	0.44255	8.11E-24	0.527145
0.29095	1.46E-10	0.203205	9.61E-06	0.51361	8.55E-33	0.492987	5.72E-30	0.418565
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0.359558	1.07E-15	0.086583	0.06154	0.592866	1.16E-45	0.339634	4.51E-14	0.530174
0.288443	2.12E-10	0.190049	3.57E-05	0.548914	4.20E-38	0.429285	2.31E-22	0.410547
0.189612	3.72E-05	0.024764	0.59348	0.444688	4.66E-24	0.327534	3.86E-13	0.381038
0.18735	4.62E-05	0.173894	0.00016	0.454627	3.37E-25	0.479026	3.66E-28	0.393271
0.121055	0.00883	0.091598	0.0479	0.325152	5.83E-13	0.349844	6.84E-15	0.262952
0.206498	6.83E-06	0.04978	0.28303	0.506835	7.61E-32	0.289993	1.68E-10	0.443536
0.299679	3.81E-11	0.266312	5.05E-09	0.645501	2.15E-56	0.497969	1.24E-30	0.61585
0.226944	7.20E-07	0.038185	0.41035	0.515172	5.13E-33	0.370638	1.18E-16	0.408447
0.239837	1.56E-07	0.050684	0.27437	0.337156	7.06E-14	0.299926	3.66E-11	0.226759
0.299826	3.72E-11	0.122626	0.00798	0.645801	1.84E-56	0.559311	8.63E-40	0.412488
0.23851	1.83E-07	0.138147	0.00277	0.525875	1.44E-34	0.444333	5.11E-24	0.424894
0.315436	3.01E-12	0.219762	1.63E-06	0.563695	1.61E-40	0.401487	1.63E-19	0.503262
0.177279	0.00012	0.223324	1.09E-06	0.488316	2.35E-29	0.36942	1.51E-16	0.462356
0.43479	5.86E-23	0.284589	3.76E-10	0.519289	1.32E-33	0.317826	2.02E-12	0.503891
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0.185937	5.28E-05	0.226665	7.43E-07	0.433889	7.35E-23	0.420234	2.09E-21	0.404056
0.2294	5.41E-07	0.126312	0.00627	0.524512	2.28E-34	0.457978	1.36E-25	0.344588
0.310235	7.07E-12	0.140647	0.00232	0.424528	7.41E-22	0.250195	4.26E-08	0.37146
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0.33902	5.04E-14	0.226132	7.90E-07	0.539432	1.29E-36	0.486273	4.33E-29	0.382818
0.210749	4.35E-06	0.212502	3.61E-06	0.391131	1.61E-18	0.374767	5.09E-17	0.358845
0.15357	0.00087	0.066597	0.15074	0.362923	5.51E-16	0.30826	9.74E-12	0.196197
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0.365466	3.33E-16	0.231834	4.07E-07	0.619727	6.95E-51	0.482897	1.18E-28	0.536218
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0.183203	6.83E-05	0.037616	0.41737	0.272016	2.29E-09	0.242958	1.06E-07	0.284699
0.296466	6.27E-11	0.034594	0.45579	0.487756	2.78E-29	0.413275	1.09E-20	0.324872
0.370978	1.10E-16	0.357125	1.71E-15	0.802118	#####	0.624606	6.89E-52	0.71423
0.243528	9.88E-08	-0.00834	0.8574	0.414216	8.72E-21	0.31712	2.27E-12	0.232869
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0.406252	5.52E-20	0.300642	3.28E-11	0.756885	6.20E-88	0.621913	2.48E-51	0.619283
0.177802	0.00011	0.101938	0.02761	0.463444	3.05E-26	0.386599	4.26E-18	0.336994
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0.22006	1.57E-06	0.221383	1.36E-06	0.496081	2.22E-30	0.345707	1.48E-14	0.481996

0.195926	2.01E-05	0.101608	0.02812	0.506959	7.32E-32	0.286793	2.72E-10	0.443708
0.301112	3.04E-11	0.110319	0.01708	0.462291	4.19E-26	0.228279	6.17E-07	0.406288
0.135718	0.0033	-0.04152	0.37065	0.295447	7.34E-11	0.265733	5.47E-09	0.292343
0.263736	7.17E-09	0.181067	8.32E-05	0.399498	2.54E-19	0.35355	3.39E-15	0.329665
0.254211	2.54E-08	0.089996	0.05195	0.410109	2.27E-20	0.288224	2.19E-10	0.344216
0.050569	0.27546	0.110746	0.01666	0.268894	3.54E-09	0.232861	3.60E-07	0.305588
0.140547	0.00233	0.098352	0.0336	0.401523	1.61E-19	0.243924	9.40E-08	0.40787
0.350737	5.78E-15	0.302626	2.40E-11	0.679088	1.99E-64	0.5543	5.71E-39	0.583376
0.168328	0.00026	0.126914	0.00603	0.308317	9.65E-12	0.132855	0.00403	0.343552
0.191172	3.20E-05	0.055311	0.23287	0.441377	1.10E-23	0.284136	4.02E-10	0.365744
0.246005	7.25E-08	0.146458	0.00151	0.419353	2.58E-21	0.367981	2.02E-16	0.402104
0.30273	2.36E-11	0.073603	0.11218	0.391176	1.59E-18	0.213391	3.28E-06	0.377904
0.14081	0.00229	0.131129	0.00453	0.338984	5.08E-14	0.229918	5.09E-07	0.353302
0.187273	4.66E-05	0.075322	0.10402	0.315813	2.83E-12	0.226252	7.79E-07	0.247957
0.241295	1.30E-07	0.186945	4.80E-05	0.432118	1.14E-22	0.405339	6.80E-20	0.40306
0.292144	1.22E-10	0.146677	0.00148	0.658594	2.11E-59	0.515478	4.64E-33	0.544899
0.230058	5.01E-07	0.134065	0.0037	0.370907	1.12E-16	0.305579	1.50E-11	0.222332
0.416732	4.81E-21	0.279273	8.17E-10	0.468366	7.73E-27	0.410852	1.91E-20	0.396424
0.012299	0.79095	-0.22286	1.15E-06	0.10894	0.01853	0.00528	0.9094	0.111708
0.225134	8.86E-07	0.062976	0.17426	0.415238	6.85E-21	0.341091	3.46E-14	0.326074
0.04178	0.36767	0.103239	0.02568	0.217593	2.07E-06	0.286609	2.79E-10	0.261791
-0.2061	7.12E-06	-0.27584	1.34E-09	-0.4937	4.60E-30	-0.42339	9.77E-22	-0.40971
0.203409	9.41E-06	0.079323	0.08685	0.488461	2.25E-29	0.34701	1.16E-14	0.421746
0.081386	0.07892	0.076066	0.10064	-0.20713	6.38E-06	-0.19883	1.50E-05	-0.09687
0.228307	6.15E-07	0.236931	2.21E-07	0.466331	1.37E-26	0.413639	9.98E-21	0.443361
0.342884	2.49E-14	0.357063	1.73E-15	0.434101	6.97E-23	0.50194	3.58E-31	0.314885
0.240344	1.46E-07	0.27336	1.90E-09	0.395847	5.72E-19	0.484691	6.93E-29	0.35359
0.360707	8.52E-16	0.142653	0.002	0.562015	3.07E-40	0.421719	1.46E-21	0.421322
0.333679	1.31E-13	0.255409	2.17E-08	0.615308	5.44E-50	0.473516	1.79E-27	0.490359
0.121163	0.00877	-0.13534	0.00339	0.366742	2.59E-16	0.191593	3.07E-05	0.282409
0.164873	0.00035	0.007392	0.87341	0.481113	1.99E-28	0.329655	2.67E-13	0.396987
0.312847	4.62E-12	0.165999	0.00031	0.67021	3.35E-62	0.509969	2.79E-32	0.542465
0.269997	3.04E-09	0.233842	3.21E-07	0.72147	3.08E-76	0.550392	2.44E-38	0.609315
0.348858	8.23E-15	0.26986	3.10E-09	0.730076	6.57E-79	0.534555	7.21E-36	0.66594
0.147852	0.00135	-0.05131	0.26851	0.176263	0.00013	0.156281	0.0007	0.033669
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0.035942	0.4384	-0.08643	0.062	0.102834	0.02627	0.175448	0.00014	-0.00497
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0.102423	0.02688	-0.02448	0.59773	0.08953	0.05318	0.096265	0.03757	0.153909
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0.026486	0.56804	0.153655	0.00086	-0.04833	0.29734	-0.17071	0.00021	0.016845
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0.061461	0.18488	0.235117	2.75E-07	0.065477	0.15775	0.301684	2.78E-11	0.048189
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0.096109	0.03788	0.018172	0.69529	0.030921	0.50504	0.067169	0.14726	-0.0093
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0.022371	0.62966	0.060452	0.19221	-0.04903	0.29032	-0.1053	0.02286	0.17485
0.025877	0.57698	-0.0091	0.84451	0.030232	0.51458	0.062874	0.17497	-0.1566
0.004826	0.91716	0.062487	0.17764	0.052027	0.26184	0.160621	0.00049	-0.02474
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-0.1341	0.00369	-0.15653	0.00069	-0.11284	0.0147	-0.00043	0.9926	-0.1805
0.15929	0.00055	0.115965	0.01215	0.365434	3.35E-16	0.363338	5.08E-16	0.217683
-0.07096	0.12567	-0.04138	0.37227	-0.01036	0.82327	0.095383	0.03936	-0.0639
-0.21058	4.43E-06	-0.33003	2.50E-13	-0.05167	0.2651	0.030802	0.50669	-0.19382
-0.0393	0.39675	-0.0259	0.57668	0.023992	0.60504	0.018514	0.68985	0.027367
-0.07973	0.08521	-0.06154	0.18433	0.008936	0.84728	-0.02331	0.61529	-0.02048
-0.13416	0.00368	-0.09415	0.04199	-0.14054	0.00233	-0.10361	0.02515	-0.22242
-0.26352	7.39E-09	-0.18964	3.71E-05	-0.20333	9.49E-06	-0.18304	6.93E-05	-0.19403
0.060029	0.19534	0.022384	0.62946	-0.00038	0.99346	-0.03549	0.44423	-0.03385
0.195317	2.13E-05	0.237207	2.14E-07	0.193005	2.68E-05	0.295803	6.95E-11	0.088331
0.032925	0.47783	-0.02682	0.56318	-0.1943	2.36E-05	-0.14632	0.00152	-0.12061
0.0571	0.21809	-0.12758	0.00577	-0.03825	0.4096	-0.09278	0.04509	-0.01122
0.04095	0.37727	-0.09647	0.03716	0.127376	0.00584	0.132018	0.00427	0.064497
-0.00218	0.96258	-0.0766	0.09826	-0.0822	0.07596	-0.08826	0.05667	-0.152
0.014195	0.75964	0.030059	0.517	0.148245	0.00131	0.186844	4.85E-05	0.115623
0.0214	0.6446	-0.11891	0.01011	0.174521	0.00015	0.118528	0.01036	0.066291
-0.05148	0.26689	-0.19484	2.24E-05	-0.15566	0.00074	-0.04735	0.30723	-0.15256
0.00073	0.98745	0.008139	0.86076	0.033531	0.46976	0.212681	3.54E-06	-0.05686

-0.09646	0.03717	-0.08061	0.08184	0.046447	0.31655	0.123667	0.00746	-0.00701
0.005334	0.90847	-0.19783	1.66E-05	-0.07138	0.12349	0.01792	0.69931	-0.16815
-0.24274	1.09E-07	-0.26272	8.22E-09	-0.26931	3.34E-09	-0.14889	0.00125	-0.28453
-0.11101	0.0164	-0.26207	8.97E-09	-0.1696	0.00023	-0.14337	0.0019	-0.19379
0.139815	0.00246	0.108616	0.01888	0.360161	9.48E-16	0.309869	7.51E-12	0.256867
-0.0412	0.37437	-0.20982	4.81E-06	-0.14475	0.00171	-0.06316	0.17298	-0.11117
0.113717	0.01394	0.091179	0.04893	0.166664	0.0003	0.206919	6.53E-06	0.055811
0.099118	0.03223	0.024711	0.59428	0.365342	3.42E-16	0.327959	3.59E-13	0.201755
0.297127	5.67E-11	0.108983	0.01848	0.265968	5.29E-09	0.241127	1.33E-07	0.203397
-0.17949	9.61E-05	-0.12142	0.00862	-0.10887	0.01861	-0.03494	0.45129	-0.09659
-0.12256	0.00801	-0.09002	0.05188	-0.28679	2.72E-10	-0.13373	0.00379	-0.2883
-0.09775	0.0347	-0.06589	0.15515	-0.14898	0.00124	-0.05	0.2809	-0.07894
-0.06721	0.14704	-0.09606	0.03797	-0.00498	0.91459	0.073009	0.11512	-0.06563
-0.10069	0.02958	-0.08062	0.08178	-0.03163	0.49537	-0.07536	0.10386	-0.06026
-0.08132	0.07916	-0.11679	0.01154	0.035201	0.44791	0.061838	0.18219	0.018139
-0.2091	5.19E-06	-0.09051	0.05061	-0.0358	0.44022	0.054905	0.23633	-0.02291
-0.14942	0.0012	-0.17269	0.00018	-0.11569	0.01236	-0.11444	0.01334	-0.14883
-0.1585	0.00059	-0.15257	0.00094	-0.08036	0.08278	-0.07014	0.13016	-0.10784
0.365357	3.41E-16	0.202328	1.05E-05	0.226843	7.28E-07	0.173185	0.00017	0.157167
-0.00431	0.92595	-0.10057	0.02978	0.020871	0.65281	0.094502	0.04122	-0.05883
0.330532	2.29E-13	0.468171	8.16E-27	0.218001	1.98E-06	0.33206	1.75E-13	0.161952
-0.04016	0.38651	-0.107	0.02074	0.001176	0.97978	0.04292	0.35474	-0.03484
0.02888	0.53357	-0.15977	0.00053	-0.04543	0.32722	-0.04788	0.3018	-0.11874
-0.22343	1.08E-06	-0.20412	8.74E-06	-0.11591	0.01219	-0.00896	0.84681	-0.16241
0.154389	0.00082	0.153071	0.0009	0.41208	1.44E-20	0.450735	9.53E-25	0.245553
0.014931	0.7476	-0.1967	1.86E-05	0.077364	0.09494	0.054901	0.23636	-0.05521
0.075244	0.10438	-0.08698	0.06037	0.103609	0.02515	0.102354	0.02698	0.140805
-0.0106	0.81929	0.072268	0.11886	0.082378	0.07533	0.186355	5.08E-05	0.102801
0.044247	0.34004	-0.08841	0.05624	0.11078	0.01662	0.086687	0.06123	0.009098
0.164855	0.00035	0.286258	2.94E-10	0.224963	9.04E-07	0.326653	4.50E-13	0.091443
0.318906	1.69E-12	0.288648	2.06E-10	0.523669	3.04E-34	0.513655	8.42E-33	0.429468
0.08345	0.0716	0.039311	0.39668	0.195634	2.07E-05	0.204965	8.01E-06	0.103804
-0.0052	0.91078	-0.06101	0.18811	0.072402	0.11818	0.087534	0.05873	-0.00355
0.006444	0.88953	-0.0598	0.19707	0.114437	0.01334	0.163934	0.00037	-0.01867
0.15679	0.00067	0.03797	0.41299	0.081008	0.08033	0.145709	0.00159	0.00966
-0.05946	0.19966	-0.26792	4.05E-09	-0.23756	2.05E-07	-0.16911	0.00024	-0.25379
0.017371	0.7081	-0.02832	0.5416	-0.01308	0.77809	0.014306	0.75783	-0.08958
0.024848	0.59223	-0.10613	0.0218	-0.00337	0.94203	0.019701	0.67109	-0.08884
0.048888	0.29176	0.042061	0.36445	-0.00441	0.92436	0.035953	0.43827	0.076449
-0.09271	0.04523	0.027245	0.557	-0.13965	0.00249	-0.06062	0.191	-0.03609
0.001886	0.96758	0.032391	0.485	0.007422	0.87291	0.012662	0.78492	0.085483
0.04464	0.33576	-0.07704	0.09634	0.058299	0.20856	0.091831	0.04733	-0.00306
0.15365	0.00086	0.134699	0.00354	0.327415	3.94E-13	0.452667	5.70E-25	0.230887
0.005624	0.90352	0.096622	0.03686	0.041708	0.36849	0.218553	1.86E-06	0.055354
0.014601	0.75299	-0.18341	6.70E-05	0.171129	0.0002	0.055611	0.23035	0.07586

-0.13987	0.00245	-0.01568	0.73532	-0.08362	0.07103	-0.0534	0.24948	-0.12331
0.106849	0.02092	0.077365	0.09494	0.067535	0.14506	0.100314	0.0302	0.052431
-0.1724	0.00018	-0.14798	0.00134	-0.16799	0.00027	-0.07492	0.1059	-0.18436
-0.1093	0.01814	-0.1565	0.00069	-0.02776	0.54953	-0.04942	0.28649	-0.09487
-0.09105	0.04925	-0.06285	0.17514	-0.17403	0.00016	-0.0833	0.07212	-0.11354
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0.036029	0.4373	0.117437	0.01109	-0.05293	0.2536	-0.07227	0.11884	0.044591
0.206109	7.11E-06	0.037393	0.42013	0.174843	0.00015	0.103156	0.0258	0.120949
0.07543	0.10352	0.055386	0.23224	0.414713	7.75E-21	0.433968	7.20E-23	0.195726
0.183906	6.40E-05	0.111879	0.01557	0.410811	1.93E-20	0.433778	7.56E-23	0.22668
0.044529	0.33696	-0.00878	0.84997	0.102017	0.02749	0.167349	0.00028	0.028676
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-0.02551	0.58245	-0.22056	1.49E-06	0.118021	0.01069	-0.00129	0.97786	0.030256
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-0.15231	0.00096	0.005806	0.90042	-0.12271	0.00794	-0.06266	0.17645	-0.00742
0.043	0.35383	-0.05357	0.24794	0.13651	0.00312	0.090468	0.05073	0.105655
0.097887	0.03445	0.04191	0.36618	0.20701	6.47E-06	0.149518	0.00119	0.098217
0.095527	0.03906	0.003583	0.93844	0.162889	0.00041	0.179893	9.27E-05	0.083888
0.062562	0.17712	-0.24318	1.03E-07	0.191851	3.00E-05	-0.00397	0.93177	0.113207
0.022018	0.63508	-0.00845	0.85546	0.074593	0.10742	0.141264	0.00221	0.02577
-0.02959	0.52362	0.009484	0.83804	0.064837	0.16186	0.234529	2.95E-07	-0.02909
-0.04207	0.36438	-0.04973	0.28352	-0.02239	0.62944	0.034087	0.46243	-0.01873
-0.00056	0.99037	-0.02804	0.54551	0.019369	0.67633	0.049978	0.28112	0.042665
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0.057168	0.21754	0.048664	0.29397	0.028268	0.54229	0.050015	0.28076	-0.10475
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0.106445	0.02141	0.004873	0.91635	0.212336	3.67E-06	0.26479	6.21E-09	0.033266
0.022167	0.63279	0.082365	0.07538	0.123845	0.00737	0.258664	1.41E-08	0.05952
0.120176	0.00934	0.341645	3.13E-14	0.163024	0.0004	0.408714	3.14E-20	0.091645
-0.09352	0.04337	-0.01547	0.73874	-0.01053	0.82052	0.122982	0.0078	-0.02251
-0.05832	0.20836	-0.05615	0.22584	-0.00884	0.84894	-0.01716	0.71153	0.001084
0.194804	2.24E-05	0.406189	5.60E-20	0.298726	4.42E-11	0.386645	4.22E-18	0.233951
0.100942	0.02918	-0.11828	0.01052	0.20953	4.96E-06	0.098943	0.03254	0.11214
0.157578	0.00063	0.235118	2.75E-07	0.354461	2.85E-15	0.369791	1.40E-16	0.269369
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0.22256	1.19E-06	0.354873	2.63E-15	0.320015	1.40E-12	0.396504	4.94E-19	0.254167
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0.084399	0.06842	0.194545	2.30E-05	-0.063	0.17411	0.108433	0.01908	-0.0267
-0.00999	0.82945	-0.0802	0.08338	-0.18413	6.26E-05	0.012278	0.7913	-0.19325
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0.205582	7.51E-06	0.098832	0.03274	0.356996	1.75E-15	0.311755	5.52E-12	0.189073

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0.03504	0.45	0.039901	0.38963	0.00124	0.97868	0.160944	0.00048	-0.09781
0.102801	0.02632	-0.0072	0.8767	0.206216	7.03E-06	0.239016	1.72E-07	0.033521
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0.076314	0.09953	-0.04827	0.29794	0.018343	0.69258	-0.10471	0.02363	0.023787
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0.226181	7.86E-07	0.015957	0.73091	0.165767	0.00032	0.22704	7.12E-07	0.160422
0.033409	0.47138	-0.04249	0.35962	0.029534	0.52435	0.025008	0.58985	0.010368
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0.02666	0.5655	-0.02319	0.61711	0.177781	0.00011	0.217054	2.20E-06	0.050287
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0.023161	0.6176	-0.07033	0.12912	-0.01921	0.67879	0.086385	0.06214	-0.07361
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0.0206	0.65702	-0.00363	0.93765	-0.06585	0.15541	-0.10583	0.02218	-0.01867
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0.021136	0.64869	-0.11684	0.01151	-0.06406	0.16694	-0.1206	0.00909	-0.00405
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0.092714	0.04523	0.198208	1.60E-05	0.080186	0.08345	0.194427	2.33E-05	0.068505
0.030566	0.50995	-0.00257	0.95578	-0.0717	0.12177	-0.02276	0.62368	-0.05228
0.184209	6.22E-05	0.458799	1.09E-25	0.070394	0.12875	0.35007	6.56E-15	0.080774
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0.024171	0.60236	0.024988	0.59014	0.017623	0.70407	0.05727	0.21671	-0.00341
0.094357	0.04153	-0.13827	0.00275	-0.01412	0.76085	-0.11166	0.01578	-0.08421
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0.00736	0.87396	0.044388	0.3385	0.093747	0.04287	0.19738	1.74E-05	0.03527
0.298825	4.35E-11	0.329103	2.94E-13	0.414934	7.36E-21	0.475238	1.10E-27	0.253573
0.05739	0.21575	0.117985	0.01072	0.098962	0.03251	0.229658	5.25E-07	0.043678
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-0.07407	0.10992	-0.07226	0.1189	-0.04575	0.32388	0.012624	0.78556	-0.05379
-0.04585	0.32284	-0.13605	0.00322	-0.00361	0.93798	0.07112	0.12485	-0.07116
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0.05904	0.20282	0.078924	0.08845	0.181504	7.99E-05	0.212858	3.47E-06	0.152027
0.031367	0.49891	-0.13928	0.00256	0.095803	0.0385	0.066109	0.15377	0.068467
0.141146	0.00223	0.028537	0.53844	0.028767	0.53518	-0.11553	0.01248	0.008872
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0.251469	3.62E-08	0.175084	0.00014	0.044046	0.34224	0.118164	0.0106	0.013048
0.167154	0.00029	0.426111	5.04E-22	0.194299	2.36E-05	0.385432	5.47E-18	0.183822
0.011955	0.79667	-0.05137	0.26788	0.079516	0.08608	0.118471	0.0104	0.030844
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0.073095	0.11469	0.037518	0.41858	0.270173	2.96E-09	0.20728	6.29E-06	0.256897
0.100521	0.02986	0.085963	0.06343	0.141176	0.00223	0.224713	9.30E-07	0.135434
-0.01644	0.72316	-0.00175	0.96991	-0.09618	0.03774	0.038585	0.40546	-0.1921
-0.10435	0.02412	-0.15503	0.00077	-0.10343	0.0254	-0.01112	0.81051	-0.16057
-0.05824	0.20902	0.03719	0.42266	0.0395	0.39441	0.136621	0.00309	0.014432
-0.10944	0.01799	-0.11099	0.01642	-0.08324	0.07232	0.012464	0.7882	-0.14515
-0.13153	0.00441	-0.18966	3.71E-05	-0.16001	0.00052	-0.05936	0.20036	-0.21474
0.114612	0.0132	0.319891	1.43E-12	0.199915	1.35E-05	0.296595	6.15E-11	0.139466
-0.05251	0.25746	3.66E-05	0.99937	-0.1319	0.0043	-0.00484	0.91692	-0.12701
-0.1073	0.02038	-0.19683	1.83E-05	-0.15253	0.00094	0.013496	0.77113	-0.25818
0.227395	6.83E-07	0.136142	0.0032	0.131454	0.00443	0.039311	0.39668	0.150625
0.050685	0.27436	-0.00527	0.90955	-0.00417	0.92844	-0.0926	0.0455	0.092685
0.022516	0.62744	0.081981	0.07675	0.068165	0.14134	0.110937	0.01647	0.172568
0.128699	0.00535	0.131066	0.00455	0.261095	1.02E-08	0.210712	4.37E-06	0.214128
0.180185	9.02E-05	0.091067	0.04921	0.175149	0.00014	0.18697	4.79E-05	0.010818
0.034445	0.45773	-0.05725	0.21689	-0.00622	0.89338	-0.00391	0.93279	-0.00929
0.112184	0.01529	0.02732	0.55591	-0.03711	0.42371	-0.00821	0.85954	-0.00843
-0.07436	0.10852	-0.17267	0.00018	-0.25549	2.15E-08	-0.14515	0.00166	-0.24728
0.079358	0.0867	0.038832	0.40247	0.271621	2.42E-09	0.341452	3.24E-14	0.140126
-0.03452	0.4568	-0.0232	0.61699	-0.00252	0.95667	0.101201	0.02876	-0.05503
-0.17345	0.00017	-0.21642	2.35E-06	-0.1256	0.00657	-0.04941	0.28661	-0.14619
0.043522	0.34802	0.033627	0.46849	0.135374	0.00338	0.20214	1.07E-05	0.060314
0.007188	0.87689	-0.04766	0.30403	-0.04321	0.35149	-0.01853	0.68965	0.03624
-0.16878	0.00025	-0.12623	0.0063	-0.14692	0.00145	-0.02338	0.61432	-0.18217
-0.1346	0.00357	-0.17009	0.00022	-0.13147	0.00443	-0.01935	0.67668	-0.15773
0.043044	0.35334	0.290544	1.55E-10	-0.01697	0.71452	0.302584	2.41E-11	-0.07818
0.036755	0.42812	-0.02978	0.52085	0.249001	4.96E-08	0.302382	2.49E-11	0.142481
0.046125	0.31992	0.108615	0.01888	0.150673	0.00109	0.134445	0.0036	0.066995
-0.16597	0.00032	-0.19807	1.62E-05	-0.11319	0.01439	-0.01401	0.76265	-0.17294
0.070049	0.13064	-0.06178	0.18263	0.160438	0.0005	0.137385	0.00293	0.034696
-0.11543	0.01256	-0.14067	0.00231	-0.15078	0.00108	-0.07044	0.12848	-0.14748
0.307818	1.05E-11	0.173137	0.00017	0.290611	1.53E-10	0.32286	8.63E-13	0.111338
-0.0665	0.15133	-0.07595	0.10117	-0.02477	0.59337	0.065316	0.15877	-0.08817
0.411877	1.51E-20	0.37463	5.23E-17	0.570982	9.33E-42	0.453556	4.49E-25	0.450603
0.067918	0.14279	0.080004	0.08416	0.204745	8.19E-06	0.242325	1.15E-07	0.087349
0.140104	0.00241	0.079309	0.0869	0.334734	1.09E-13	0.31821	1.89E-12	0.212666
-0.08232	0.07555	-0.07986	0.08473	-0.17586	0.00013	-0.06234	0.17868	-0.13526
-0.1183	0.01051	0.011644	0.80185	-0.18423	6.21E-05	-0.00512	0.91213	-0.14622
-0.06001	0.19545	-0.03402	0.46332	-0.16515	0.00034	-0.10482	0.0235	-0.13253
0.192859	2.72E-05	0.145149	0.00166	0.133266	0.00391	0.224757	9.25E-07	0.067403
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-0.03801	0.41252	-0.0996	0.0314	0.03532	0.44638	0.148166	0.00132	-0.07007
0.043291	0.35059	0.070395	0.12875	0.151664	0.00101	0.213079	3.39E-06	0.084569
0.066213	0.15312	0.068835	0.13746	0.260974	1.04E-08	0.342201	2.83E-14	0.158364
-0.0446	0.3362	-0.05435	0.2411	0.03774	0.41584	0.123377	0.0076	0.041977
-0.09222	0.04639	0.024878	0.59178	-0.30926	8.28E-12	-0.10345	0.02538	-0.23378
0.210141	4.64E-06	0.292488	1.15E-10	0.26904	3.47E-09	0.440194	1.49E-23	0.141244
0.042623	0.35807	0.064141	0.16642	0.231584	4.19E-07	0.259889	1.20E-08	0.176998
-0.08369	0.07077	-0.07299	0.11521	-0.0564	0.2238	0.058497	0.20701	-0.11465
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0.038576	0.40557	0.023041	0.61943	0.221847	1.29E-06	0.264144	6.78E-09	0.175318
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-0.01396	0.76344	-0.02349	0.61261	0.091622	0.04784	0.144422	0.00175	0.032372
0.075067	0.1052	0.128833	0.0053	0.137866	0.00283	0.166894	0.00029	0.182615
0.007841	0.86581	0.017033	0.71353	-0.09354	0.04334	0.056029	0.22685	-0.09152
-0.06651	0.15127	-0.01335	0.77351	-0.01709	0.71261	0.110151	0.01725	-0.05028
-0.11078	0.01663	-0.08239	0.0753	-0.16716	0.00029	-0.03434	0.45905	-0.16751
-0.14396	0.00182	-0.0442	0.34054	0.056334	0.22433	0.159827	0.00053	0.036321
0.147409	0.0014	0.024231	0.60146	0.147934	0.00135	0.074385	0.10841	0.082901
0.15537	0.00075	-0.12432	0.00715	0.184848	5.86E-05	-0.01986	0.66858	0.120486
-0.16487	0.00035	-0.0875	0.05883	0.063409	0.17132	0.122714	0.00794	0.022944
-0.0897	0.05273	-0.01974	0.67049	-0.08614	0.06289	0.076996	0.09653	-0.15217
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-0.1286	0.00538	-0.0804	0.08261	-0.06046	0.19217	0.041591	0.36985	-0.07561
-0.02366	0.61001	-0.06314	0.17313	0.023317	0.61524	0.00542	0.90701	-0.06975
0.070896	0.12604	0.034473	0.45737	0.106429	0.02143	0.065744	0.15606	0.059483
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0.278467	9.18E-10	0.203746	9.09E-06	0.226616	7.47E-07	0.327511	3.88E-13	0.098521
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0.064237	0.16578	0.233776	3.23E-07	0.052232	0.25996	-0.07243	0.11801	0.143879
-0.22003	1.58E-06	-0.28482	3.64E-10	-0.18843	4.17E-05	-0.22599	8.04E-07	-0.21202
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-0.0043	0.92621	-0.25037	4.17E-08	0.009807	0.8326	-0.00932	0.84088	-0.12634
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0.066315	0.15248	0.125108	0.00679	0.226791	7.33E-07	0.353743	3.27E-15	0.169449
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0.218097	1.96E-06	0.095678	0.03875	0.313465	4.17E-12	0.225973	8.05E-07	0.22981
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0.161578	0.00046	-0.05175	0.26435	-0.05589	0.22805	0.009185	0.84308	-0.06089
0.003883	0.9333	-0.03914	0.39873	-0.08963	0.0529	-0.02009	0.66492	-0.07119

0.047148	0.30929	0.015297	0.74162	0.072061	0.11992	0.058316	0.20842	0.167976
0.280063	7.29E-10	0.271322	2.53E-09	0.41004	2.31E-20	0.378312	2.45E-17	0.374599
0.200383	1.28E-05	0.201218	1.18E-05	0.367278	2.32E-16	0.334295	1.18E-13	0.25556
0.236577	2.31E-07	0.316368	2.58E-12	0.447155	2.45E-24	0.50842	4.58E-32	0.363408
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0.169297	0.00024	0.101138	0.02886	0.278918	8.60E-10	0.296731	6.02E-11	0.109393
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0.282403	5.19E-10	0.557422	1.77E-39	0.414761	7.67E-21	0.639663	4.23E-55	0.2714
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0.012953	0.78011	-0.02408	0.60367	-0.08232	0.07552	0.031019	0.50369	-0.12314
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-0.10702	0.02072	-0.11437	0.01339	-0.04822	0.29836	0.035485	0.44425	-0.07682
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0.009931	0.83052	-0.01041	0.82247	0.196925	1.82E-05	0.178576	0.0001	0.158816
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-0.23788	1.97E-07	-0.16304	0.0004	-0.26231	8.70E-09	-0.17095	0.00021	-0.23618
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0.066684	0.15021	-0.04381	0.34483	0.081523	0.07842	0.057653	0.21365	0.076955
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0.222696	1.17E-06	0.178799	0.0001	0.196613	1.87E-05	0.224371	9.67E-07	0.152409
0.194872	2.23E-05	0.098194	0.03389	0.28013	7.22E-10	0.318017	1.96E-12	0.23118
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0.275225	1.46E-09	-0.01295	0.78009	0.356695	1.86E-15	0.164428	0.00036	0.262604
0.061735	0.18292	0.252672	3.10E-08	0.303436	2.11E-11	0.485543	5.38E-29	0.19892
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0.125941	0.00643	0.068932	0.1369	0.009482	0.83807	-0.01531	0.74147	0.049377
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0.09527	0.03959	0.014264	0.75851	0.310187	7.13E-12	0.204815	8.13E-06	0.249438
0.198568	1.54E-05	-0.00109	0.98118	0.192428	2.83E-05	0.178824	0.0001	0.215594

0.187674	4.48E-05	0.009096	0.84457	0.162639	0.00042	0.06629	0.15264	0.192405
0.082838	0.07371	6.84E-05	0.99882	0.116705	0.01161	0.096843	0.03643	0.148177
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0.028507	0.53887	-0.14506	0.00167	0.102575	0.02665	0.006742	0.88447	-0.02762
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0.009777	0.8331	-0.06287	0.17499	0.136324	0.00316	0.127652	0.00574	0.131249
0.054992	0.23559	-0.12543	0.00665	-0.01282	0.78225	0.084157	0.06922	-0.01751
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0.061835	0.18221	0.175172	0.00014	-0.06323	0.1725	0.099682	0.03126	-0.02566
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0.0978	0.03461	0.04297	0.35417	0.0282	0.54325	0.024165	0.60245	0.00487
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0.166989	0.00029	0.124967	0.00685	0.42282	1.12E-21	0.295885	6.86E-11	0.517834
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0.005509	0.90549	-0.05693	0.21943	-0.03046	0.51138	0.030402	0.51222	-0.04874
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0.113658	0.01399	-0.04457	0.33655	0.018042	0.69737	-0.01046	0.82167	-0.10094
0.017386	0.70786	0.023896	0.60649	0.109548	0.01788	0.16001	0.00052	0.016477
-0.0318	0.49294	-0.04192	0.36611	0.014025	0.76244	-0.06762	0.14455	0.019894
0.04366	0.34648	-0.07781	0.09304	-0.14413	0.00179	-0.11232	0.01517	-0.09279
-0.06504	0.16053	-0.12966	0.00501	-0.0183	0.69323	0.023996	0.60499	-0.0665
-0.06788	0.143	-0.12704	0.00597	0.006344	0.89124	-0.02805	0.54537	-0.08894
-0.0132	0.77606	-0.09011	0.05164	0.103355	0.02551	0.009783	0.83301	0.039855
-0.065	0.16078	-0.18807	4.32E-05	-0.00361	0.93803	-0.08358	0.07115	-0.0429
-0.01131	0.80744	-0.01419	0.75967	0.170855	0.00021	0.135455	0.00336	0.140673
0.090989	0.0494	0.029749	0.52132	0.211191	4.15E-06	0.182658	7.18E-05	0.165929
0.238127	1.92E-07	0.035224	0.44762	0.194815	2.24E-05	0.239384	1.64E-07	0.154128
-0.00644	0.88956	-0.00162	0.97212	-0.04094	0.37743	0.056355	0.22416	-0.03698
-0.06037	0.19284	-0.08541	0.06515	-0.02378	0.60828	-0.00767	0.86862	0.011669
-0.05128	0.26873	-0.00781	0.8664	-0.11054	0.01686	0.007367	0.87385	-0.17323
0.172546	0.00018	0.030678	0.5084	0.223824	1.03E-06	0.134459	0.0036	0.198495
-0.09501	0.04015	-0.0567	0.22134	0.004166	0.92846	0.063077	0.17358	-0.01576
-0.04072	0.37996	-0.22144	1.35E-06	0.001365	0.97653	-0.00219	0.96241	-0.14786
-0.00222	0.96178	-0.03201	0.49013	0.214209	3.00E-06	0.183046	6.93E-05	0.141881
0.04987	0.28216	0.141897	0.00211	0.203459	9.36E-06	0.138696	0.00267	0.189022

-0.04694	0.31144	-0.13498	0.00347	0.068933	0.1369	0.076609	0.09822	0.019949
-0.05404	0.24376	-0.00431	0.92602	0.090009	0.05192	0.164597	0.00035	-0.02942
-0.24379	9.56E-08	-0.21939	1.70E-06	-0.37779	2.73E-17	-0.17937	9.72E-05	-0.36623
-0.05043	0.27678	-0.32055	1.28E-12	-0.09984	0.03099	-0.0579	0.21166	-0.17031
-0.19398	2.43E-05	-0.14032	0.00237	-0.21348	3.25E-06	-0.11502	0.01287	-0.20491
-0.0918	0.0474	-0.12088	0.00893	-0.26669	4.80E-09	-0.11032	0.01709	-0.29386
0.01888	0.68405	0.002256	0.96122	0.081233	0.07949	0.06538	0.15836	0.101664
-0.18336	6.73E-05	-0.23928	1.67E-07	-0.2669	4.66E-09	-0.21453	2.89E-06	-0.27779
-0.14332	0.0019	-0.16394	0.00037	-0.11773	0.01089	-0.00573	0.90174	-0.12879
-0.09689	0.03634	-0.2664	4.99E-09	-0.12485	0.0069	-0.13999	0.00243	-0.19005
-0.11721	0.01125	-0.14413	0.00179	-0.09338	0.04369	0.021943	0.63622	-0.13919
-0.0327	0.48089	0.0148	0.74974	-0.08491	0.06674	0.018732	0.6864	-0.10441
-0.03591	0.43882	-0.11251	0.01499	0.055128	0.23442	0.084444	0.06827	-0.01846
0.06565	0.15665	-0.05739	0.21576	0.19582	2.03E-05	0.145166	0.00166	0.101627
-0.04587	0.32259	-0.03613	0.43603	0.046727	0.31364	0.139616	0.0025	-0.00522
-0.00293	0.94973	-0.1063	0.0216	-0.02692	0.56167	-0.03102	0.50367	0.020226
-0.07209	0.11977	-0.17341	0.00017	0.014796	0.7498	0.011723	0.80053	-0.03825
-3.66E-05	0.99937	-0.09185	0.04729	0.145349	0.00164	0.115991	0.01213	0.083332
-0.01166	0.80157	-0.05077	0.27357	0.100701	0.02957	0.144767	0.00171	0.041677
-0.01112	0.81057	-0.06599	0.1545	0.211207	4.14E-06	0.158589	0.00058	0.151786
-0.07625	0.09979	-0.16149	0.00046	0.014378	0.75663	0.059547	0.19896	-0.06416
-0.15821	0.0006	-0.1546	0.0008	-0.10268	0.02649	-0.00981	0.83248	-0.14577
-0.16325	0.0004	-0.15404	0.00084	-0.09391	0.04251	0.002561	0.95598	-0.13506
0.120259	0.00929	-0.07399	0.11029	0.13488	0.0035	0.080285	0.08307	0.095269
-0.08864	0.05559	-0.05517	0.23409	-0.03821	0.41009	0.049999	0.28091	-0.111
0.12474	0.00696	0.079176	0.08743	0.32103	1.18E-12	0.310082	7.25E-12	0.187147
0.173557	0.00016	0.110697	0.01671	0.458358	1.23E-25	0.403242	1.09E-19	0.32138
0.097517	0.03514	0.011652	0.80171	-0.00655	0.88766	0.052715	0.25557	-0.04125
-0.08089	0.08077	-0.02637	0.56969	-0.13166	0.00437	-0.02662	0.5661	-0.12873
-0.11565	0.01239	-0.00117	0.97985	-0.0942	0.04187	-0.00571	0.90208	-0.01071
-0.0152	0.7432	0.136384	0.00315	-0.13889	0.00263	-0.01471	0.7512	-0.19616
0.158092	0.00061	0.110377	0.01702	0.144224	0.00178	0.140995	0.00226	0.169488
-0.09156	0.04798	-0.06098	0.18833	-0.04545	0.32707	0.04833	0.29731	-0.09694
-0.12185	0.00839	-0.16128	0.00047	-0.11956	0.00971	-0.04796	0.30101	-0.16074
-0.29702	5.76E-11	-0.20933	5.06E-06	-0.28005	7.30E-10	-0.17819	0.00011	-0.22192
-0.03296	0.47737	-0.07684	0.0972	0.078879	0.08863	0.136621	0.00309	0.005224
0.044385	0.33853	-0.29017	1.64E-10	-0.1424	0.00204	-0.15396	0.00084	-0.13839
0.079293	0.08696	-0.24143	1.28E-07	-0.11628	0.01191	-0.16602	0.00031	-0.09904
0.124694	0.00698	-0.20312	9.69E-06	-0.08766	0.05836	-0.10155	0.02821	-0.08152
-0.06407	0.16688	-0.23373	3.25E-07	-0.13509	0.00344	-0.21169	3.93E-06	-0.12994
0.139603	0.0025	0.0045	0.92274	0.150374	0.00112	0.064324	0.16521	-0.00977
-0.11589	0.0122	-0.26348	7.42E-09	-0.04935	0.28719	-0.11366	0.01399	-0.07692
0.045367	0.32794	0.010612	0.81909	0.353244	3.60E-15	0.381744	1.19E-17	0.199528
-0.13172	0.00435	-0.03042	0.512	0.088801	0.05516	0.030073	0.5168	0.080936
-0.02922	0.52881	0.024142	0.60279	0.025735	0.57907	0.115198	0.01274	-0.01367

0.041467	0.37128	0.055053	0.23506	0.007564	0.8705	0.125048	0.00682	-0.00433
-0.02414	0.60282	-0.07943	0.08641	0.326072	4.97E-13	0.275109	1.48E-09	0.220699
0.308371	9.57E-12	0.452043	6.73E-25	0.588517	7.31E-45	0.69773	2.29E-69	0.439765
0.169986	0.00022	0.402755	1.22E-19	0.11717	0.01128	0.228217	6.21E-07	0.067171
-0.05454	0.23943	-0.05531	0.23291	-0.03733	0.42094	0.118158	0.0106	-0.09258
0.085772	0.06403	0.110359	0.01704	-0.06215	0.17997	0.000748	0.98713	-0.12162
0.432694	9.91E-23	0.030478	0.51116	0.279964	7.39E-10	0.237166	2.15E-07	0.265216
0.111587	0.01584	0.241025	1.35E-07	0.154889	0.00078	0.32668	4.48E-13	0.057141
0.141476	0.00218	-0.03259	0.48229	0.213636	3.19E-06	0.163589	0.00039	0.203015
-0.12653	0.00618	-0.13999	0.00243	0.003895	0.93311	0.094494	0.04124	-0.04769
0.177961	0.00011	0.122364	0.00812	0.385653	5.22E-18	0.411924	1.49E-20	0.227055
-0.09759	0.03501	-0.19204	2.94E-05	-0.13413	0.00368	-0.17615	0.00013	-0.18155
0.018307	0.69315	0.032255	0.48684	-0.11715	0.01129	0.076604	0.09825	-0.04383
0.091992	0.04694	0.135043	0.00346	0.02306	0.61915	0.14802	0.00134	-0.03174
0.006263	0.89263	-0.06435	0.16502	0.105009	0.02324	0.137356	0.00294	0.072849
0.008775	0.84999	-0.15645	0.00069	-0.0518	0.26389	-0.1228	0.00789	-0.01667
-0.11607	0.01207	-0.11423	0.01351	-0.02912	0.53025	0.082666	0.07431	-0.05521
0.040686	0.38036	0.056243	0.22508	0.129921	0.00492	0.209645	4.90E-06	0.069999
0.260721	1.08E-08	0.274263	1.67E-09	0.309893	7.48E-12	0.365098	3.59E-16	0.188173
-0.13834	0.00274	-0.17862	0.0001	-0.13398	0.00372	-0.0625	0.17758	-0.1469
0.216643	2.30E-06	0.041251	0.37378	0.107831	0.01976	0.194806	2.24E-05	0.058775
-0.08877	0.05523	-0.09787	0.03449	0.120063	0.0094	0.164442	0.00036	0.017384
0.003823	0.93434	0.008337	0.85741	0.116259	0.01193	0.176149	0.00013	0.0587
-0.04459	0.33628	-0.0026	0.95529	0.09061	0.05036	0.182646	7.19E-05	0.042814
0.046463	0.31638	0.04866	0.29401	0.257796	1.59E-08	0.248024	5.62E-08	0.199879
0.045399	0.3276	0.041584	0.36992	0.101992	0.02753	0.064755	0.16239	0.08054
0.014347	0.75715	0.108826	0.01865	-0.16416	0.00037	0.084145	0.06926	-0.08943
0.306542	1.28E-11	0.183183	6.84E-05	0.199832	1.36E-05	0.177116	0.00012	0.104916
-0.0119	0.79761	-0.04523	0.32944	0.064207	0.16598	0.127432	0.00582	0.021879
0.190482	3.42E-05	-0.00265	0.95438	0.058909	0.20383	0.097161	0.03582	0.008929
-0.19205	2.94E-05	-0.04525	0.32916	-0.35315	3.66E-15	-0.03416	0.46143	-0.37524
-0.02927	0.52802	-0.02772	0.55008	0.042194	0.36294	0.135501	0.00335	-0.02078
-0.06486	0.16171	-0.16044	0.0005	0.048459	0.29602	0.036443	0.43205	-0.03519
0.350446	6.11E-15	0.109891	0.01752	0.330436	2.33E-13	0.216938	2.22E-06	0.244211
-0.02765	0.55114	-0.15861	0.00058	-0.02216	0.63291	0.007792	0.86663	-0.04022
-0.02995	0.51851	-0.05546	0.23159	0.16029	0.00051	0.171455	0.0002	0.096908
0.046128	0.31989	0.143287	0.00191	0.000358	0.99385	0.168738	0.00025	-0.04229
-0.02779	0.54916	-0.17788	0.00011	0.019979	0.66673	0.086003	0.06331	-0.08675
0.018615	0.68826	0.139143	0.00258	0.057158	0.21761	0.079491	0.08618	0.132954
-0.11729	0.01119	-0.10236	0.02697	-0.22365	1.05E-06	-0.06802	0.14221	-0.21184
-0.01173	0.80036	0.000974	0.98326	0.028421	0.54011	0.003349	0.94247	0.052205
0.181179	8.24E-05	0.158553	0.00058	0.06487	0.16164	0.031629	0.49534	0.057276
0.153632	0.00087	0.077687	0.09357	0.177727	0.00011	0.107617	0.02001	0.119276
0.082468	0.07501	-0.04294	0.35449	-0.01911	0.68036	0.004729	0.91882	-0.07169
-0.21218	3.73E-06	-0.33097	2.12E-13	-0.25324	2.88E-08	-0.27587	1.33E-09	-0.20392

-0.04097	0.37702	0.100604	0.02972	-0.14064	0.00232	-0.033	0.47687	-0.10723
0.291788	1.28E-10	0.41379	9.63E-21	0.46238	4.09E-26	0.512216	1.35E-32	0.386017
-0.10222	0.02718	-0.07539	0.1037	-0.07454	0.10765	-0.0251	0.58848	-0.03796
-0.20902	5.23E-06	-0.33007	2.48E-13	-0.01996	0.66699	-0.0719	0.12073	-0.14097
0.201312	1.17E-05	0.470194	4.62E-27	0.198417	1.56E-05	0.473878	1.62E-27	0.155489
0.068455	0.13965	0.044606	0.33613	0.126281	0.00628	0.129174	0.00518	0.068908
-0.07808	0.09191	-0.16387	0.00038	-0.09657	0.03697	-0.00325	0.94409	-0.22079
0.027253	0.55689	-0.02624	0.57168	0.099677	0.03127	0.185236	5.65E-05	-0.00267
0.149446	0.0012	0.072319	0.1186	0.222072	1.25E-06	0.203537	9.29E-06	0.210658
0.067226	0.14691	-0.07292	0.11556	0.081941	0.0769	0.061553	0.18422	0.036761
0.007615	0.86964	-0.06058	0.19129	0.088765	0.05525	0.153081	0.0009	0.005471
0.049614	0.28464	-0.11966	0.00965	0.115186	0.01275	0.13468	0.00355	-0.02268
0.145242	0.00165	-0.00616	0.8943	0.327588	3.83E-13	0.335313	9.82E-14	0.212583
0.068266	0.14075	-0.0552	0.23384	0.065691	0.15639	0.017346	0.70849	0.001978
-0.09227	0.04628	-0.12006	0.00941	-0.09738	0.0354	0.031603	0.49569	-0.15116
-0.12822	0.00552	-0.12333	0.00762	-0.20123	1.18E-05	-0.10467	0.02369	-0.20489
0.109275	0.01817	0.038255	0.4095	0.224332	9.71E-07	0.285347	3.37E-10	0.046572
-0.13451	0.00359	-0.14596	0.00156	-0.08921	0.05405	0.014161	0.76019	-0.147
0.074587	0.10745	0.030589	0.50962	0.416806	4.73E-21	0.335072	1.02E-13	0.394581
0.004442	0.92374	-0.01887	0.68429	-0.12005	0.00941	-0.08847	0.05608	-0.09779
-0.03366	0.46801	-0.05895	0.20349	-0.08838	0.05633	0.032577	0.48249	-0.09102
0.068613	0.13873	-0.03483	0.45265	0.117395	0.01112	0.086224	0.06263	0.100701
-0.1401	0.00241	-0.09152	0.04809	-0.14564	0.0016	-0.00923	0.84228	-0.16065
-0.08357	0.0712	-0.01993	0.6675	-0.19017	3.53E-05	-0.0424	0.36057	-0.1402
0.327433	3.93E-13	0.307839	1.04E-11	0.526852	1.03E-34	0.560292	5.94E-40	0.324364
-0.06538	0.15834	-0.11446	0.01332	0.020402	0.66011	0.098997	0.03245	-0.06667
0.204734	8.20E-06	0.100387	0.03008	0.297735	5.16E-11	0.211708	3.93E-06	0.280678
0.104969	0.02329	0.011774	0.79967	0.035052	0.44984	-0.09277	0.0451	0.051466
0.095552	0.03901	-0.0002	0.99648	0.197433	1.73E-05	0.150307	0.00112	0.153863
-0.00701	0.87991	0.074034	0.11009	-0.0204	0.66012	0.184656	5.96E-05	-0.08142
0.063262	0.17231	0.289371	1.85E-10	0.064389	0.16478	0.1503	0.00112	0.05899
0.027042	0.55994	0.017246	0.71009	0.110895	0.01651	0.222401	1.21E-06	0.030484
0.013693	0.7679	-0.06947	0.13385	0.005453	0.90644	0.102613	0.0266	-0.12217
-0.01185	0.79839	0.009978	0.82973	0.039538	0.39396	0.161032	0.00048	-0.02419
-0.05115	0.26996	-0.07028	0.12936	-0.06814	0.14151	-0.07864	0.0896	-0.02616
0.037069	0.42417	0.012542	0.78691	-0.00344	0.94095	0.082491	0.07493	0.029568
0.024105	0.60335	-0.1427	0.00199	0.033125	0.47516	-0.01947	0.67466	0.064421
-0.10967	0.01775	-0.12636	0.00625	-0.0828	0.07382	0.020705	0.65538	-0.14342
0.320117	1.37E-12	0.27602	1.30E-09	0.377226	3.07E-17	0.464276	2.42E-26	0.213012
-0.03578	0.4405	-0.04103	0.37635	-0.02147	0.64357	0.084717	0.06738	-0.09827
0.058774	0.20486	0.012992	0.77946	0.36156	7.21E-16	0.258353	1.47E-08	0.281887
-0.0311	0.50256	0.068865	0.13729	0.292645	1.13E-10	0.244772	8.46E-08	0.275768
0.026682	0.56518	-0.00197	0.96618	0.068822	0.13754	0.145196	0.00166	-0.00373
0.303932	1.95E-11	0.263659	7.25E-09	0.182962	6.98E-05	0.231273	4.35E-07	0.129914
0.024018	0.60465	-0.02661	0.5663	0.280247	7.10E-10	0.248309	5.42E-08	0.123026

-0.07088	0.1261	0.003887	0.93323	-0.04356	0.34761	0.013406	0.77262	-0.00194
0.040387	0.38387	-0.0194	0.6758	-0.07786	0.09283	-0.14884	0.00126	-0.12199
-0.18103	8.35E-05	-0.31052	6.75E-12	-0.23457	2.94E-07	-0.21263	3.56E-06	-0.32337
-0.03077	0.50709	-0.20584	7.31E-06	0.054551	0.23936	-0.06532	0.15873	0.023383
-0.034	0.46355	-0.09654	0.03702	-0.11015	0.01725	-0.08091	0.08069	-0.10537
-0.00132	0.97729	-0.10588	0.02211	0.014468	0.75517	0.044261	0.33989	-0.03248
0.160915	0.00048	0.374269	5.64E-17	0.344049	2.01E-14	0.427538	3.55E-22	0.335017
0.112263	0.01522	0.078113	0.09178	0.15355	0.00087	0.167881	0.00027	0.046736
-0.01043	0.82206	-0.03186	0.49225	0.066002	0.15443	0.108535	0.01897	0.009863
0.13344	0.00387	0.133962	0.00373	-0.03177	0.49347	0.117032	0.01137	0.067383
-0.14431	0.00177	-0.21979	1.62E-06	0.077442	0.09461	-0.0031	0.9468	0.00539
-0.00958	0.8364	-0.06543	0.15807	-0.03723	0.42215	0.001482	0.97453	-0.04041
0.084038	0.06961	-0.1021	0.02737	0.336432	8.04E-14	0.131303	0.00448	0.190006
-0.05188	0.26317	-0.11764	0.01095	0.105457	0.02266	0.10412	0.02444	0.102114
0.163815	0.00038	0.005741	0.90154	0.209243	5.11E-06	0.227268	6.93E-07	0.176714
-0.0453	0.32867	-0.0898	0.05246	-0.04307	0.35303	-0.06829	0.14059	0.019276
-0.09255	0.04562	0.009946	0.83026	-0.03522	0.44764	-0.08224	0.07583	0.011452
0.126982	0.006	0.019777	0.6699	0.099611	0.03138	0.030142	0.51584	0.089779
-0.11549	0.01251	-0.06282	0.17531	-0.11541	0.01257	-0.06881	0.13759	-0.09866
-0.14704	0.00144	-0.26932	3.34E-09	-0.16991	0.00023	-0.21138	4.07E-06	-0.15378
0.113211	0.01437	0.038449	0.40712	0.100021	0.03069	0.112225	0.01525	0.070104
-0.02719	0.55776	-0.05774	0.21294	-0.11863	0.01029	-0.05621	0.22534	-0.15088
-0.03468	0.45472	-0.03005	0.51714	-0.06643	0.15179	-0.01874	0.68622	-0.03656
0.198201	1.60E-05	0.1053	0.02286	0.004389	0.92464	0.09822	0.03384	-0.00694
0.00343	0.94107	-0.1264	0.00624	0.090646	0.05027	0.067591	0.14473	0.000586
0.179903	9.26E-05	0.103925	0.02471	0.392199	1.27E-18	0.375217	4.64E-17	0.248969
0.126318	0.00627	0.204526	8.38E-06	0.339665	4.49E-14	0.384931	6.08E-18	0.257113
0.051553	0.26621	0.090927	0.04956	0.014938	0.74748	0.063704	0.16933	-0.00047
0.123878	0.00736	0.018325	0.69286	0.110484	0.01692	0.168171	0.00026	-0.06569
-0.15116	0.00105	-0.00314	0.94603	-0.14221	0.00207	-0.07011	0.13032	-0.04481
-0.20308	9.73E-06	-0.22095	1.42E-06	-0.07026	0.1295	-0.04321	0.35152	-0.1011
0.177265	0.00012	0.03519	0.44805	0.344902	1.72E-14	0.298028	4.93E-11	0.27466
-0.01301	0.7792	-0.10994	0.01747	0.034683	0.45463	-0.10521	0.02298	-0.00551
-0.1031	0.02588	-0.13071	0.00466	-0.24985	4.45E-08	-0.22534	8.66E-07	-0.23708
-0.11428	0.01347	-0.1791	9.96E-05	-0.09683	0.03646	-0.01473	0.75095	-0.16696
0.005452	0.90645	-0.07482	0.10638	-0.0688	0.13765	0.024368	0.5994	-0.13071
-0.15839	0.00059	-0.14056	0.00233	-0.0457	0.32441	0.003074	0.94717	-0.09253
0.088932	0.05479	0.028749	0.53544	-0.00821	0.85959	0.161589	0.00046	-0.07418
0.013547	0.7703	-0.18755	4.54E-05	0.024156	0.60258	-0.07001	0.13085	-0.04491
-0.13403	0.00371	-0.11558	0.01244	-0.12249	0.00805	-0.02377	0.60841	-0.13878
-0.04655	0.31545	0.02583	0.57768	0.063689	0.16943	0.067677	0.14422	0.149924
0.159476	0.00054	0.148483	0.00129	0.356634	1.88E-15	0.264863	6.15E-09	0.299686
-0.04357	0.34754	-0.08411	0.06939	-0.05558	0.23057	0.038519	0.40626	-0.06532
0.052511	0.25742	-0.11256	0.01494	-0.11062	0.01678	-0.07618	0.10012	-0.13523
0.050066	0.28027	0.018402	0.69164	0.125087	0.0068	0.083027	0.07305	0.083724

0.110915	0.01649	0.087592	0.05856	0.322331	9.45E-13	0.310283	7.02E-12	0.155583
0.23205	3.97E-07	0.264553	6.42E-09	0.318057	1.94E-12	0.424607	7.27E-22	0.204395
0.071154	0.12467	-0.04119	0.37446	0.049428	0.28645	0.087283	0.05946	-0.09534
-0.08332	0.07206	-0.12255	0.00802	-0.19582	2.03E-05	-0.15111	0.00105	-0.23508
0.082826	0.07375	0.099336	0.03185	0.178839	0.0001	0.186804	4.87E-05	0.133979
0.078378	0.09068	-0.04709	0.30993	-0.14475	0.00171	-0.02176	0.63902	-0.22352
0.023199	0.61704	0.28772	2.37E-10	-0.03751	0.41867	0.045004	0.33183	0.008834
-0.19183	3.01E-05	-0.16223	0.00043	-0.28153	5.89E-10	-0.20938	5.04E-06	-0.20813
0.037131	0.4234	0.002559	0.95602	0.159982	0.00052	0.180487	8.78E-05	0.062394
0.052869	0.25419	0.010244	0.82526	0.126128	0.00635	0.090689	0.05016	0.074589
0.066335	0.15236	0.00445	0.92359	0.151443	0.00103	0.136995	0.00301	0.105823
-0.00511	0.91227	-0.09217	0.04652	0.074965	0.10567	0.041536	0.37048	0.044506
0.073176	0.11428	0.110528	0.01687	0.151217	0.00105	0.189381	3.81E-05	0.1066
0.179883	9.27E-05	0.040952	0.37725	0.163588	0.00039	0.173324	0.00017	0.028902
0.10232	0.02703	-0.15901	0.00056	0.109142	0.01831	0.005461	0.90631	0.05675
-0.05947	0.19958	-0.15402	0.00084	-0.07639	0.0992	-0.0597	0.19779	-0.12833
-0.06043	0.19241	-0.07109	0.12503	-0.05443	0.24041	-0.02982	0.52032	0.02441
-0.10538	0.02276	-0.13241	0.00415	-0.11906	0.01002	-0.2274	6.83E-07	-0.06635
-0.11571	0.01234	-0.07519	0.10464	-0.05128	0.26872	-0.00423	0.92738	-0.05116
-0.13914	0.00258	-0.11311	0.01446	0.105785	0.02223	0.185031	5.76E-05	0.0404
-0.03982	0.3906	-0.06034	0.19307	-0.1048	0.02351	0.009957	0.83008	-0.06269
0.069588	0.1332	0.046205	0.31908	0.012096	0.79432	-0.08103	0.08025	0.051286
-0.20811	5.76E-06	-0.22634	7.71E-07	-0.16756	0.00028	-0.11164	0.0158	-0.17002
0.083142	0.07265	0.112812	0.01472	0.240298	1.47E-07	0.300548	3.32E-11	0.173453
-0.02875	0.53542	-0.01835	0.69241	0.018352	0.69243	0.00836	0.85701	-0.01491
-0.08672	0.06114	-0.02545	0.58331	0.066942	0.14863	0.104787	0.02354	0.109216
-0.01293	0.78041	-0.1265	0.0062	-0.08164	0.07799	-0.13913	0.00258	-0.04757
-0.15644	0.00069	-0.20331	9.50E-06	-0.12011	0.00938	-0.08681	0.06085	-0.12111
-0.061	0.18822	-0.0518	0.26393	0.043541	0.34781	-0.02266	0.62518	0.033681
0.036916	0.4261	-0.05496	0.23584	0.111041	0.01637	0.226343	7.71E-07	0.011546
0.03879	0.40297	0.118392	0.01045	0.103402	0.02545	0.118776	0.0102	0.058626
-0.09916	0.03217	-0.06796	0.14255	-0.01856	0.68906	0.097245	0.03566	-0.06599
0.020737	0.65488	0.089426	0.05346	0.035493	0.44415	0.306841	1.22E-11	-0.02291
0.001824	0.96864	-0.06301	0.17401	0.162419	0.00043	0.124107	0.00725	0.1179
-0.05024	0.2786	-0.02933	0.52715	-0.07326	0.11389	-0.0227	0.62456	-0.01739
-0.15225	0.00096	-0.13843	0.00272	-0.0682	0.14111	-0.06001	0.19551	-0.11231
0.006743	0.88445	-0.0857	0.06424	0.009589	0.83627	-0.05106	0.2708	0.005103
-0.09237	0.04604	-0.04139	0.37217	0.000182	0.99687	0.010749	0.81679	0.030682
-0.09486	0.04046	-0.11636	0.01186	-0.12304	0.00777	-0.02346	0.61313	-0.20555
-0.14309	0.00194	-0.19491	2.22E-05	-0.10518	0.02302	-0.0586	0.20621	-0.07685
0.282584	5.05E-10	-0.08747	0.05892	0.27376	1.79E-09	0.211921	3.84E-06	0.147968
-0.10449	0.02393	-0.09631	0.03747	-0.07269	0.1167	0.034763	0.45358	-0.09153
-0.11318	0.0144	-0.1063	0.02159	-0.05462	0.23875	-0.01861	0.68833	-0.06896
0.071084	0.12504	-0.12059	0.0091	0.099418	0.03171	-0.02419	0.60209	0.093835
0.016814	0.71705	-0.18781	4.42E-05	-0.052	0.26211	-0.0603	0.19329	-0.09155



-0.11528	0.01267	-0.26816	3.92E-09	-0.10592	0.02206	-0.17589	0.00013	-0.21523
0.121976	0.00832	-0.07209	0.11978	0.059204	0.20157	-0.00363	0.93764	0.036991
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0.105054	0.02318	0.060016	0.19544	0.066923	0.14875	0.034872	0.45217	0.139509
0.026169	0.57269	-0.06132	0.18589	-0.0083	0.8581	0.012335	0.79035	0.085025
-0.04733	0.30743	-0.04378	0.34514	-0.02064	0.6564	-0.0043	0.92611	0.060517
0.006177	0.89409	-0.06318	0.17285	-0.12492	0.00687	-0.09033	0.05107	-0.04029
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0.135099	0.00344	0.286681	2.76E-10	0.142765	0.00198	0.292454	1.16E-10	0.030221
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-0.13209	0.00425	-0.11808	0.01065	0.057025	0.21869	0.061661	0.18345	0.010504
-0.03706	0.42427	0.021449	0.64384	0.173559	0.00016	0.274278	1.67E-09	0.127296
0.143157	0.00193	0.112444	0.01505	0.077535	0.09421	0.284877	3.61E-10	-0.05526
-0.18692	4.82E-05	-0.37836	2.42E-17	-0.26221	8.81E-09	-0.34593	1.42E-14	-0.22037
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0.016624	0.72011	-0.16611	0.00031	-0.09789	0.03445	-0.07004	0.1307	-0.09207
0.040097	0.38729	0.129484	0.00507	0.066084	0.15392	0.128554	0.0054	-0.03575
0.001762	0.96971	0.11406	0.01365	-0.12206	0.00828	0.11619	0.01198	-0.12699
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0.215115	2.72E-06	0.303553	2.07E-11	0.430142	1.87E-22	0.405256	6.93E-20	0.35919
0.2625	8.47E-09	0.389504	2.28E-18	0.459306	9.50E-26	0.587916	9.41E-45	0.338032
0.153837	0.00085	0.213933	3.09E-06	0.416855	4.68E-21	0.538922	1.55E-36	0.278323
0.037346	0.42072	-0.07909	0.08777	0.040506	0.38247	0.090577	0.05045	-0.03057
0.243395	1.00E-07	0.425341	6.08E-22	0.283222	4.60E-10	0.486262	4.34E-29	0.142622
0.129108	0.0052	0.110004	0.0174	0.139441	0.00253	0.126529	0.00618	0.143669
0.056485	0.22309	-0.05429	0.24162	0.163327	0.00039	0.10755	0.02009	0.038981
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-0.0677	0.14411	-0.1092	0.01824	0.018949	0.68295	0.083579	0.07116	-0.04361
0.034675	0.45474	-0.04366	0.34646	0.225586	8.41E-07	0.211275	4.11E-06	0.1422
0.015323	0.74119	-0.13073	0.00466	-0.03756	0.41805	0.018491	0.69022	-0.0863
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0.174284	0.00015	0.069448	0.13399	0.438586	2.24E-23	0.384589	6.54E-18	0.327431
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0.268069	3.97E-09	0.413184	1.11E-20	0.223069	1.12E-06	0.245869	7.37E-08	0.246761
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0.155894	0.00072	0.163029	0.0004	0.218383	1.90E-06	0.265796	5.42E-09	0.133705
0.135088	0.00345	0.037344	0.42075	0.245134	8.08E-08	0.221511	1.34E-06	0.122747
0.097336	0.03548	0.03098	0.50424	0.321956	1.01E-12	0.296496	6.25E-11	0.179513

0.201212	1.18E-05	0.020636	0.65647	0.346516	1.27E-14	0.234418	2.99E-07	0.20332
0.009307	0.84101	0.009936	0.83044	0.176763	0.00012	0.208172	5.72E-06	0.097999
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0.233486	3.35E-07	0.146323	0.00152	0.151974	0.00099	0.151331	0.00104	0.228009
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0.054054	0.24368	-0.03678	0.4278	-0.0256	0.58112	-0.05599	0.22719	-0.03742
0.046056	0.32065	-0.05372	0.24665	-0.04868	0.2938	-0.01449	0.75481	-0.03721
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0.070651	0.12736	0.153735	0.00086	0.022681	0.62493	0.000859	0.98523	0.028024
-0.10429	0.02421	-0.12814	0.00555	0.062242	0.17935	0.10028	0.03026	-0.06002
0.021172	0.64814	0.022568	0.62665	0.0705	0.12818	0.04474	0.33468	0.032841
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0.083337	0.07198	-0.02269	0.6248	0.424321	7.80E-22	0.308366	9.58E-12	0.312511
0.02692	0.56172	-0.02189	0.63703	0.038727	0.40374	0.059646	0.19821	-0.00638
0.11646	0.01178	0.106139	0.02179	0.050494	0.27618	0.085213	0.06579	0.034163
-0.06304	0.17386	-0.06653	0.15117	0.158799	0.00057	0.264035	6.89E-09	0.068297
0.05034	0.27764	0.001853	0.96814	0.161536	0.00046	0.271273	2.54E-09	0.091194
0.04906	0.29006	-0.05594	0.22756	0.092358	0.04607	0.156827	0.00067	0.099861
0.255344	2.19E-08	0.219825	1.61E-06	0.363331	5.09E-16	0.258316	1.48E-08	0.289981
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-0.17967	9.46E-05	-0.16394	0.00037	-0.09863	0.0331	-0.03288	0.47841	-0.13167
-0.13977	0.00247	-0.12132	0.00868	-0.09636	0.03738	0.000938	0.98387	-0.1288
0.163136	0.0004	0.05955	0.19894	0.25973	1.23E-08	0.089342	0.05368	0.198037
0.259616	1.25E-08	0.107238	0.02045	0.506949	7.34E-32	0.381578	1.24E-17	0.370477
0.055151	0.23423	-0.04037	0.38408	0.110702	0.0167	0.130875	0.00461	0.041763
0.085578	0.06463	0.155006	0.00078	0.08468	0.0675	0.149456	0.0012	0.005773
0.083842	0.07027	0.03308	0.47576	0.176908	0.00012	0.116214	0.01196	0.182102
0.196399	1.92E-05	0.00382	0.93438	-0.16897	0.00024	-0.01157	0.80312	-0.17618
-0.03471	0.45432	-0.25926	1.31E-08	-0.0215	0.64313	0.001055	0.98185	-0.053
0.103186	0.02576	0.018541	0.68942	0.151097	0.00106	0.172237	0.00018	0.122369
0.048162	0.29898	0.101534	0.02824	0.170859	0.00021	0.224729	9.28E-07	0.111384
-0.04691	0.31174	-0.1235	0.00754	0.05558	0.2306	0.039279	0.39706	-0.00069
-0.09162	0.04785	-0.18006	9.13E-05	-0.1465	0.0015	-0.1086	0.0189	-0.14991
0.177165	0.00012	-0.00619	0.8939	0.329705	2.65E-13	0.229766	5.19E-07	0.16866
-0.10713	0.02059	-0.07202	0.12015	-0.05527	0.2332	0.039047	0.39986	-0.0532
-0.1723	0.00018	-0.17964	9.48E-05	-0.07671	0.09777	0.064275	0.16553	-0.11645
-0.05291	0.25379	-0.14079	0.00229	-0.03639	0.43275	-0.06532	0.15877	-0.04474
-0.00078	0.98659	-0.0812	0.0796	0.027209	0.55753	-0.03285	0.47883	0.052748

0.172897	0.00017	0.302844	2.32E-11	0.150366	0.00112	0.297475	5.37E-11	0.095509
0.104991	0.02326	0.035864	0.4394	0.374871	4.98E-17	0.390526	1.83E-18	0.26412
0.166946	0.00029	0.13791	0.00282	0.278702	8.87E-10	0.345883	1.43E-14	0.201788
-0.10946	0.01797	-0.13978	0.00247	-0.04721	0.30862	0.018503	0.69002	-0.13272
0.118897	0.01012	0.141031	0.00225	0.268198	3.90E-09	0.277805	1.01E-09	0.242829
-0.01199	0.79614	-0.01621	0.72685	-0.04148	0.37118	-0.11373	0.01393	0.036863
-0.11089	0.01652	-0.0333	0.4728	-0.19269	2.76E-05	-0.08252	0.07484	-0.13645
0.119022	0.01004	-0.06834	0.1403	0.209814	4.81E-06	0.07792	0.09259	0.174096
-0.00919	0.84306	-0.11129	0.01613	0.10227	0.02711	0.097597	0.03499	0.027225
0.033163	0.47465	0.007531	0.87107	0.018249	0.69407	0.038345	0.4084	-0.06444
-0.10941	0.01802	-0.10597	0.022	-0.06664	0.15048	-0.05189	0.26307	-0.04178
0.011607	0.80245	0.04744	0.3063	0.109227	0.01822	0.055749	0.22919	0.170785
-0.19544	2.11E-05	-0.26334	7.56E-09	-0.16225	0.00043	-0.14004	0.00242	-0.20617
0.003744	0.93569	-0.03752	0.41861	0.064287	0.16545	0.11854	0.01035	0.019895
0.053978	0.24434	-0.08193	0.07694	0.108542	0.01896	0.046172	0.31942	0.094974
0.135574	0.00333	0.073149	0.11442	0.285868	3.12E-10	0.211962	3.82E-06	0.226937
-0.05859	0.20631	-0.08397	0.06985	0.069797	0.13204	0.143649	0.00186	0.045748
-0.16102	0.00048	-0.13888	0.00263	-0.13902	0.00261	-0.02541	0.58382	-0.14938
-0.04412	0.34147	-0.04021	0.38592	0.126883	0.00604	0.127547	0.00578	0.050966
-0.09748	0.03521	-0.10983	0.01758	-0.0356	0.44273	0.048799	0.29264	-0.09597
-0.14246	0.00203	-0.04021	0.38598	-0.14579	0.00158	0.040092	0.38736	-0.19759
0.011666	0.80148	0.087146	0.05987	-0.02498	0.59019	0.162113	0.00044	-0.10687
-0.00042	0.99286	0.078978	0.08823	0.226317	7.74E-07	0.210359	4.54E-06	0.199648
-0.00095	0.98368	-0.10489	0.02339	-0.07741	0.09474	0.036582	0.43029	-0.11141
0.067634	0.14447	0.015377	0.74031	0.090347	0.05104	0.098795	0.0328	0.041503
-0.03479	0.45327	-0.09413	0.04203	-0.033	0.47686	0.011448	0.80511	-0.09054
-0.13977	0.00247	-0.12764	0.00574	-0.14168	0.00215	0.002419	0.95843	-0.20609
-0.16693	0.00029	-0.2396	1.60E-07	-0.12468	0.00698	-0.01105	0.81183	-0.19888
0.086061	0.06313	0.090008	0.05192	0.368736	1.73E-16	0.437529	2.93E-23	0.183809
0.072808	0.11612	-0.10566	0.0224	-0.13055	0.00472	-0.07527	0.10428	-0.12691
0.022912	0.62139	0.035111	0.44908	0.137899	0.00282	0.187181	4.70E-05	0.149794
0.022437	0.62866	-0.01362	0.76905	0.13811	0.00278	0.173289	0.00017	0.05672
-0.07808	0.0919	-0.14774	0.00137	-0.13574	0.00329	-0.02404	0.60433	-0.16323
-0.0537	0.24675	-0.0358	0.44028	-0.17109	0.0002	-0.11802	0.01069	-0.16387
-0.12187	0.00838	-0.11359	0.01405	-0.09269	0.04529	0.028581	0.53782	-0.13009
0.061306	0.18599	0.048794	0.29268	0.251875	3.44E-08	0.231696	4.14E-07	0.191518
0.15265	0.00094	0.182205	7.49E-05	0.337003	7.25E-14	0.348592	8.65E-15	0.20879
-0.00662	0.88657	-0.0725	0.11768	0.024667	0.59493	0.094616	0.04097	-0.04588
0.06015	0.19444	-0.03766	0.41687	-0.09959	0.03141	-0.14717	0.00143	-0.12648
0.068403	0.13995	-0.14984	0.00116	-0.08422	0.06899	-0.0901	0.05168	-0.15203
-0.07402	0.11017	-0.03351	0.47005	-0.17766	0.00011	0.027515	0.5531	-0.27617
0.072798	0.11617	0.100553	0.02981	0.185955	5.28E-05	0.19421	2.38E-05	0.116773
0.299013	4.23E-11	0.344921	1.71E-14	0.610707	4.48E-49	0.647562	7.38E-57	0.471413
-0.05025	0.27847	-0.01029	0.8245	0.082363	0.07538	0.154979	0.00078	0.098036
0.171314	0.0002	-0.11602	0.01211	0.195011	2.20E-05	0.161412	0.00046	0.10872

0.062355	0.17856	-0.01903	0.68169	0.220643	1.47E-06	0.166213	0.00031	0.160401
-0.17866	0.0001	-0.21975	1.63E-06	-0.00569	0.90242	0.023699	0.60946	-0.08119
-0.05116	0.26985	-0.11182	0.01563	0.04368	0.34627	0.086911	0.06056	-0.02363
-0.13086	0.00462	-0.13354	0.00384	-0.02918	0.52929	0.133986	0.00372	-0.06716
-0.10497	0.02329	0.043611	0.34703	-0.03735	0.42066	-0.01826	0.69393	7.92E-05
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0.069028	0.13636	0.031947	0.491	-0.00531	0.90883	-0.05216	0.26059	-0.00973
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-0.13907	0.0026	-0.08587	0.06373	-0.11545	0.01254	0.010866	0.81484	-0.1379
-0.04526	0.32904	0.001798	0.96909	-0.04496	0.33227	-0.00829	0.85813	-0.0409
-0.00779	0.86673	0.045476	0.32678	0.004343	0.92542	-0.07336	0.11339	0.116978
-0.12025	0.00929	-0.15889	0.00057	-0.09734	0.03548	-0.15708	0.00066	-0.04221
0.013376	0.77312	-0.09859	0.03317	-0.06665	0.15041	-0.02262	0.62583	-0.08993
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0.012448	0.78848	0.012465	0.7882	0.157246	0.00065	0.110685	0.01672	0.171589
0.023479	0.61278	-0.02334	0.61496	0.047222	0.30853	0.025399	0.58403	-0.0099
0.095444	0.03923	0.068618	0.13871	0.157925	0.00061	0.220465	1.50E-06	0.082336
0.31156	5.70E-12	0.324017	7.08E-13	0.571436	7.79E-42	0.617849	1.67E-50	0.40024
0.241274	1.30E-07	0.125627	0.00656	0.415717	6.12E-21	0.371943	9.06E-17	0.214951
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0.115984	0.01214	0.187261	4.66E-05	0.089717	0.05268	0.192712	2.76E-05	0.078422
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0.201492	1.15E-05	0.071328	0.12375	0.270396	2.87E-09	0.369056	1.63E-16	0.154357
0.066204	0.15317	0.017324	0.70885	0.136304	0.00316	0.121916	0.00835	0.110409
-0.10141	0.02844	-0.13763	0.00288	-0.05033	0.27771	-0.00982	0.83238	-0.10134
0.165746	0.00032	0.375885	4.04E-17	0.119767	0.00958	0.391606	1.45E-18	0.021739
0.104557	0.02384	-0.18122	8.21E-05	0.022261	0.63134	-0.10301	0.02601	-0.07091
0.155643	0.00074	0.102335	0.02701	0.30375	2.01E-11	0.19556	2.08E-05	0.132305
0.06142	0.18518	0.176195	0.00013	0.111815	0.01563	0.217104	2.18E-06	0.002302
0.142938	0.00196	0.090111	0.05165	0.230775	4.61E-07	0.214359	2.95E-06	0.093975
0.095719	0.03867	0.088356	0.05639	0.112651	0.01487	-0.01767	0.70329	0.116719
0.205694	7.42E-06	0.330698	2.22E-13	0.386485	4.37E-18	0.435554	4.83E-23	0.277352
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0.149543	0.00119	0.288589	2.08E-10	0.12801	0.0056	0.289634	1.78E-10	0.063962
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0.130579	0.00471	0.139625	0.00249	0.185757	5.38E-05	0.27332	1.91E-09	0.060069
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0.06565	0.15665	-0.03338	0.47173	0.14934	0.00121	0.144399	0.00176	0.073414
-0.02169	0.64007	-0.04205	0.36462	0.015657	0.73576	0.111743	0.0157	-0.10997
0.138589	0.00269	-0.06336	0.17168	0.115867	0.01222	0.120693	0.00903	0.054887
-0.12623	0.0063	-0.17115	0.0002	-0.05378	0.24606	0.029562	0.52395	-0.11202
-0.0335	0.47023	0.291463	1.35E-10	-0.04783	0.30235	0.17129	0.0002	0.0028
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0.040505	0.38248	-0.08189	0.0771	-0.07068	0.12722	0.054494	0.23986	-0.20092
0.041861	0.36674	0.043174	0.35189	-0.00541	0.90713	0.167926	0.00027	-0.02379
0.072152	0.11945	-0.07621	0.10001	0.181145	8.26E-05	0.099627	0.03135	0.111511
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0.20794	5.86E-06	0.115767	0.0123	0.183345	6.74E-05	0.159693	0.00053	0.120229
0.344965	1.70E-14	0.34017	4.09E-14	0.434026	7.10E-23	0.359585	1.06E-15	0.301111
0.02828	0.54211	-0.09261	0.04548	-0.01635	0.72458	0.080786	0.08117	-0.07852
0.083621	0.07102	-0.09881	0.03277	0.073575	0.11232	0.041895	0.36635	0.056652
0.039979	0.3887	0.142076	0.00209	-0.07615	0.10027	-0.09301	0.04455	0.026188
0.024867	0.59194	0.200646	1.25E-05	-0.02062	0.65671	0.262147	8.89E-09	-0.03321
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0.005055	0.91324	-0.00595	0.89796	0.129934	0.00492	-0.04075	0.37964	0.232746
0.04127	0.37355	-0.13948	0.00252	-0.19347	2.56E-05	0.013912	0.76429	-0.23207
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0.091843	0.0473	0.036122	0.43611	0.192682	2.76E-05	0.213777	3.14E-06	0.143506
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-0.03818	0.41043	0.034942	0.45127	-0.03508	0.44948	0.007421	0.87293	0.044033
-0.04102	0.37646	-0.08129	0.0793	-0.05026	0.27837	0.094632	0.04094	-0.09957
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0.077029	0.09639	-0.01723	0.7104	0.212481	3.61E-06	0.184545	6.02E-05	0.175967
0.030579	0.50976	0.060621	0.19096	0.140213	0.00239	0.300764	3.21E-11	0.013208
0.521741	5.81E-34	0.324277	6.77E-13	0.53282	1.32E-35	0.514125	7.23E-33	0.362873
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0.041506	0.37082	0.048884	0.2918	0.25747	1.66E-08	0.233296	3.42E-07	0.219303
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0.102675	0.0265	0.044366	0.33874	0.130909	0.0046	0.210128	4.65E-06	0.089655
0.041627	0.36943	-0.2686	3.69E-09	0.13272	0.00406	-0.1182	0.01058	0.064004
0.203108	9.71E-06	0.087217	0.05966	0.074211	0.10924	0.078898	0.08855	-0.04283
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0.158516	0.00059	0.18173	7.83E-05	0.18713	4.72E-05	0.164581	0.00035	0.175857
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0.159999	0.00052	0.056343	0.22426	0.226601	7.49E-07	0.178775	0.0001	0.213398
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0.172473	0.00018	0.230822	4.58E-07	0.154772	0.00079	0.374076	5.87E-17	0.036146
0.102988	0.02604	0.05329	0.25042	0.266726	4.77E-09	0.229314	5.47E-07	0.138928
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0.313796	3.95E-12	0.141422	0.00219	0.273428	1.88E-09	0.22574	8.27E-07	0.136554
0.195579	2.08E-05	0.244442	8.81E-08	0.375691	4.21E-17	0.420449	1.99E-21	0.336957

-0.1683	0.00026	-0.17034	0.00022	-0.34272	2.57E-14	-0.1689	0.00025	-0.35114
-0.27069	2.76E-09	-0.25377	2.69E-08	-0.17844	0.00011	-0.12396	0.00732	-0.18319
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-0.05653	0.22275	-0.1075	0.02014	0.033062	0.47599	0.083584	0.07114	-0.03189
-0.06155	0.18424	-0.26952	3.25E-09	-0.04646	0.31644	-0.09426	0.04174	-0.05833
0.071319	0.12379	-0.04791	0.30151	0.075807	0.1018	0.022528	0.62725	0.045275
-0.00796	0.86377	0.020193	0.66338	0.057317	0.21634	0.172467	0.00018	-0.06944
0.068517	0.13929	-0.08961	0.05296	0.152925	0.00092	-0.0022	0.96226	0.130067
-0.18494	5.81E-05	-0.10473	0.02361	-0.10999	0.01742	0.038934	0.40122	-0.16213
-0.02144	0.64404	0.016694	0.71898	0.083408	0.07174	0.118046	0.01068	0.094413
-0.04906	0.29009	-0.07439	0.10836	-0.111	0.01641	-0.06817	0.14131	0.028093
-0.08841	0.05624	-0.27007	3.01E-09	-0.28456	3.78E-10	-0.21919	1.73E-06	-0.28892
-0.09087	0.04971	-0.09326	0.04398	-0.00873	0.85068	0.113102	0.01447	-0.09116
0.122271	0.00817	0.067632	0.14448	0.126584	0.00616	0.128881	0.00528	0.093905
-0.09262	0.04546	-0.00331	0.94305	0.168363	0.00026	0.309269	8.28E-12	0.027633
0.075213	0.10452	-0.1202	0.00932	0.231089	4.44E-07	0.251588	3.56E-08	0.055167
0.061291	0.1861	-0.13214	0.00423	0.186943	4.80E-05	0.139216	0.00257	0.059723
0.151548	0.00102	0.003276	0.94371	0.271828	2.35E-09	0.278492	9.14E-10	0.115743
0.075372	0.10379	0.049671	0.28409	0.107078	0.02064	0.098967	0.0325	0.133061
-0.30011	3.56E-11	-0.25951	1.26E-08	-0.40005	2.24E-19	-0.29141	1.36E-10	-0.31937
0.165896	0.00032	0.068302	0.14054	0.09215	0.04656	0.166698	0.0003	0.014442
0.005486	0.90588	-0.06426	0.16562	0.117935	0.01075	0.099611	0.03138	0.043201
-0.09814	0.03399	-0.06794	0.14269	-0.05364	0.24728	0.003809	0.93458	-0.1419
0.299268	4.06E-11	0.134404	0.00362	0.249248	4.81E-08	0.276315	1.25E-09	0.195633
-0.05328	0.2505	-0.09697	0.03619	-0.23956	1.61E-07	-0.18021	9.00E-05	-0.15119
-0.04669	0.31404	-0.09688	0.03635	-0.03896	0.40094	-0.1089	0.01856	-0.04076
0.133373	0.00388	0.290278	1.61E-10	0.104672	0.02369	0.233798	3.22E-07	0.142698
-0.09235	0.04608	0.021131	0.64877	0.004325	0.92574	-0.01274	0.78363	-0.00475
-0.00533	0.90861	-0.01352	0.77076	0.071824	0.12115	0.140877	0.00228	0.006852
0.303766	2.00E-11	0.28001	7.34E-10	0.491605	8.71E-30	0.353361	3.52E-15	0.394881
-0.02228	0.6311	-0.03324	0.47366	0.076001	0.10093	0.065816	0.1556	-0.0003
-0.04157	0.37009	-0.03667	0.42919	0.01347	0.77158	0.121774	0.00843	-0.06348
0.098289	0.03371	0.14076	0.0023	0.180223	8.99E-05	0.286862	2.69E-10	0.085101
-0.04567	0.32467	-0.01027	0.8248	0.032458	0.4841	0.151243	0.00104	-0.02884
0.057445	0.21531	-0.10862	0.01888	0.209582	4.93E-06	0.195275	2.14E-05	0.092299
0.149752	0.00117	0.076355	0.09935	0.34023	4.05E-14	0.271761	2.38E-09	0.253787
-0.12631	0.00627	-0.27919	8.27E-10	-0.06714	0.14743	-0.3209	1.21E-12	-0.09762
-0.07651	0.09865	-0.10066	0.02963	0.019748	0.67037	-0.02044	0.6595	0.095252
0.161777	0.00045	0.023786	0.60815	0.275421	1.42E-09	0.151164	0.00105	0.154786
-0.16916	0.00024	-0.21487	2.79E-06	-0.24807	5.59E-08	-0.16753	0.00028	-0.29605
-0.093	0.04456	-0.02796	0.54664	-0.01369	0.76791	0.023952	0.60565	-0.06994
0.005755	0.90129	-0.04913	0.28938	-0.10528	0.02288	-0.21448	2.91E-06	-0.06807
0.204942	8.03E-06	-0.01689	0.71578	0.220595	1.48E-06	0.128176	0.00554	0.142628
0.244889	8.33E-08	-0.01462	0.75264	-0.02495	0.59072	-0.06062	0.19095	-0.0473
-0.04364	0.34671	-0.09596	0.03818	-0.02549	0.58271	0.08676	0.06101	-0.09124

0.142868	0.00197	-0.09938	0.03178	0.163913	0.00038	0.041079	0.37577	0.145505
0.006311	0.8918	-0.26542	5.71E-09	-0.1252	0.00675	-0.11759	0.01098	-0.2126
-0.10241	0.0269	-0.10261	0.02661	-0.00764	0.86928	0.015989	0.73038	-0.06703
0.197155	1.78E-05	0.107719	0.01989	0.168567	0.00025	0.041132	0.37516	0.149012
-0.12044	0.00918	-0.26533	5.77E-09	-0.29176	1.29E-10	-0.30692	1.21E-11	-0.21685
0.060612	0.19103	0.043236	0.3512	0.034347	0.45901	0.037757	0.41562	0.073612
0.017955	0.69876	-0.22511	8.88E-07	0.107738	0.01987	0.017897	0.69968	-0.00873
-0.06168	0.18335	-0.17552	0.00014	-0.00819	0.85988	-0.04381	0.34481	-0.00349
0.099027	0.03239	0.058262	0.20885	0.139059	0.0026	0.163277	0.0004	0.078361
0.02128	0.64645	-0.03268	0.48112	0.115357	0.01261	0.151886	0.00099	0.032003
0.070161	0.13003	0.015928	0.73136	0.204093	8.77E-06	0.193975	2.43E-05	0.167247
0.226206	7.84E-07	-0.0209	0.65235	-0.23421	3.07E-07	-0.06406	0.16695	-0.21773
-0.00344	0.94097	-0.25917	1.32E-08	-0.0306	0.50953	-0.17067	0.00021	0.013537
0.010616	0.81903	0.10513	0.02308	0.130831	0.00463	0.042947	0.35443	0.202897
-0.16387	0.00038	-0.16234	0.00043	-0.16005	0.00052	-0.01761	0.70431	-0.1991
-0.04218	0.36312	-0.04734	0.30729	0.003307	0.94318	0.112753	0.01477	-0.05548
0.012913	0.78077	0.094245	0.04178	0.113632	0.01401	0.227921	6.43E-07	0.099004
-0.04643	0.31673	-0.116	0.01212	-0.0733	0.11366	-0.02957	0.52382	-0.04882
-0.09838	0.03355	-0.0704	0.12871	-0.04428	0.33967	0.017025	0.71366	-0.08527
-0.2506	4.05E-08	-0.1188	0.01019	-0.19589	2.01E-05	-0.18549	5.51E-05	-0.20415
0.018704	0.68684	-0.00122	0.97908	0.02519	0.58714	0.069948	0.1312	0.015563
-0.1285	0.00542	-0.10326	0.02564	-0.08743	0.05902	0.017725	0.70244	-0.12493
0.117873	0.01079	0.012913	0.78078	0.03955	0.39382	0.037122	0.42352	0.033803
-0.11204	0.01542	-0.02216	0.63291	-0.23993	1.54E-07	-0.18932	3.83E-05	-0.13142
-0.04492	0.33272	-0.06432	0.16524	0.047368	0.30704	0.024428	0.5985	0.040657
0.083026	0.07305	0.411683	1.58E-20	-0.04988	0.28203	0.228529	5.99E-07	0.001801
0.186711	4.91E-05	0.359597	1.06E-15	0.274918	1.52E-09	0.423542	9.42E-22	0.270012
0.095563	0.03899	0.044957	0.33233	0.312104	5.21E-12	0.32372	7.45E-13	0.214058
0.075838	0.10167	-0.03384	0.46569	0.117303	0.01118	0.11083	0.01657	0.093244
0.019169	0.67947	-0.01366	0.76844	0.047552	0.30516	0.032105	0.48887	0.092244
-0.00271	0.95339	-0.10383	0.02485	-0.22361	1.05E-06	-0.12157	0.00854	-0.16971
-0.00896	0.84685	-0.15416	0.00083	-0.00534	0.90843	0.003845	0.93395	-0.04271
-0.06795	0.14263	-0.21901	1.77E-06	-0.19911	1.46E-05	-0.22367	1.05E-06	-0.18802
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-0.1058	0.02221	-0.16308	0.0004	-0.03886	0.40207	0.047859	0.30204	-0.08532
0.093153	0.04422	0.056866	0.21998	0.12536	0.00668	0.171674	0.00019	0.114219
0.068503	0.13937	-0.00226	0.9612	0.176579	0.00013	0.234327	3.03E-07	0.011198
-0.05593	0.22765	-0.11909	0.01	0.010327	0.82387	0.031461	0.49763	-0.0108
0.201679	1.12E-05	-0.08088	0.08082	0.274799	1.55E-09	0.120949	0.00889	0.181238
0.114246	0.0135	0.110912	0.01649	0.055818	0.22861	-0.01478	0.75014	0.163359
-0.00175	0.96987	0.056894	0.21975	0.03856	0.40577	0.122591	0.008	0.018663
0.245995	7.26E-08	0.144566	0.00174	0.391261	1.56E-18	0.282544	5.08E-10	0.277853
-0.03	0.51779	0.022838	0.62252	-0.0432	0.35161	-0.01741	0.70754	-0.02605
0.138717	0.00266	0.089557	0.05311	-0.0348	0.45313	0.007549	0.87075	0.014725
-0.23233	3.84E-07	-0.22974	5.20E-07	-0.08234	0.07546	0.004763	0.91823	-0.11731

0.214869	2.79E-06	0.037004	0.42499	0.454109	3.87E-25	0.341437	3.25E-14	0.31061
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-0.01794	0.69892	-0.0285	0.53893	0.105333	0.02282	0.193242	2.62E-05	0.107936
-0.09868	0.03302	-0.11407	0.01364	0.009659	0.83509	0.015689	0.73525	0.049307
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0.153771	0.00086	0.208063	5.79E-06	0.016099	0.7286	0.073487	0.11275	0.034553
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0.001965	0.96622	0.098334	0.03363	0.017968	0.69854	0.075858	0.10157	-0.00449
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0.058273	0.20876	-0.00057	0.99022	-0.04427	0.33983	0.074101	0.10977	-0.17279
0.160623	0.00049	0.173477	0.00016	0.247284	6.17E-08	0.215014	2.75E-06	0.294603
0.002479	0.95739	-0.04043	0.38331	0.154115	0.00083	0.089651	0.05286	0.103846
0.121335	0.00867	-0.05678	0.22067	0.018471	0.69054	-0.04235	0.36119	0.062657
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0.030005	0.51775	-0.07809	0.09189	0.147629	0.00138	0.097153	0.03583	0.121613
0.104413	0.02404	-0.10021	0.03037	0.002763	0.95252	-0.03561	0.44272	-0.04214
0.022536	0.62714	-0.07091	0.12596	0.150168	0.00113	0.07269	0.11672	0.098776
0.027888	0.54772	0.001261	0.97832	0.128991	0.00524	0.12248	0.00806	0.162286
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0.204377	8.51E-06	-0.11379	0.01388	0.068739	0.13801	0.097626	0.03494	-0.02299
0.066284	0.15268	0.266138	5.17E-09	0.187457	4.58E-05	0.270794	2.72E-09	0.158876
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0.13872	0.00266	0.066551	0.15103	0.167206	0.00028	0.134847	0.0035	0.127343
-0.04471	0.33503	0.061567	0.18412	0.050215	0.27884	0.074937	0.10581	0.052784
-0.02392	0.60617	-0.04222	0.3626	0.147027	0.00144	0.135283	0.0034	0.099662
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0.102597	0.02662	0.151355	0.00103	0.368259	1.91E-16	0.400056	2.24E-19	0.287898
0.205395	7.66E-06	0.108987	0.01848	0.46004	7.78E-26	0.370581	1.19E-16	0.327339
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0.092334	0.04612	-0.05119	0.26961	0.315268	3.09E-12	0.217526	2.08E-06	0.195167
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0.026714	0.56472	-0.05864	0.20592	0.112282	0.0152	0.08267	0.0743	0.084601
0.176927	0.00012	0.081287	0.07929	0.077056	0.09627	0.184742	5.91E-05	-0.02303
0.133731	0.00379	-0.11598	0.01214	0.234063	3.12E-07	0.145885	0.00157	0.004952
0.132177	0.00422	0.056258	0.22496	0.302574	2.42E-11	0.213683	3.17E-06	0.182449
0.004595	0.92112	0.037959	0.41313	-0.04128	0.37342	0.04335	0.34993	-0.07877
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-0.14309	0.00194	-0.11183	0.01561	-0.16634	0.00031	-0.04804	0.30024	-0.20369
-0.14558	0.00161	-0.12713	0.00594	-0.13275	0.00406	-0.0179	0.69963	-0.14159
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0.033948	0.46425	-0.04287	0.35534	0.091703	0.04764	0.085241	0.0657	0.081411
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-0.05761	0.21399	0.033081	0.47575	-0.00544	0.90669	-0.0022	0.96224	0.027434
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0.00874	0.85058	-0.05746	0.21517	0.026877	0.56234	0.028975	0.53222	0.012864
-0.06988	0.13156	-0.10576	0.02227	-0.04517	0.33009	-0.06512	0.16003	-0.08965
-0.01898	0.68248	0.009712	0.8342	0.206915	6.53E-06	0.184731	5.92E-05	0.132784
0.008841	0.84887	0.027064	0.55963	0.107562	0.02007	0.117414	0.01111	0.099333
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-0.12702	0.00598	0.016174	0.72739	0.092982	0.04461	0.121061	0.00882	0.050823
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0.037391	0.42015	-0.09773	0.03475	-0.14467	0.00172	-0.09661	0.03688	-0.15108
0.19073	3.34E-05	0.239826	1.56E-07	0.329421	2.78E-13	0.427321	3.75E-22	0.398762
0.026579	0.56669	0.146425	0.00151	0.144594	0.00173	0.045011	0.33175	0.169945
0.114937	0.01294	0.181284	8.16E-05	0.135611	0.00332	0.26826	3.86E-09	0.11024
0.011846	0.79848	0.069452	0.13396	-0.05548	0.23143	-0.173	0.00017	0.02502
0.009488	0.83797	0.029448	0.52556	0.042178	0.36312	0.060854	0.18927	0.027251
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-0.25255	3.15E-08	-0.25828	1.49E-08	-0.11773	0.01089	-0.05951	0.19926	-0.14793
0.311781	5.50E-12	0.218348	1.90E-06	0.388241	3.00E-18	0.419367	2.57E-21	0.272117
0.076702	0.09782	-0.23495	2.81E-07	0.092692	0.04528	-0.05245	0.25799	0.081404
-0.12235	0.00812	-0.07445	0.10808	-0.20923	5.12E-06	-0.12355	0.00752	-0.15694
0.024864	0.59199	-0.12682	0.00606	0.063808	0.16863	0.0241	0.60342	0.011397
-0.09219	0.04645	-0.24516	8.05E-08	-0.09567	0.03878	-0.13714	0.00298	-0.12331
0.103357	0.02551	-0.12171	0.00847	0.204429	8.47E-06	0.001529	0.97372	0.118173
0.108955	0.01851	0.035562	0.44327	0.264504	6.46E-09	0.231107	4.43E-07	0.19228
0.188531	4.13E-05	-0.1024	0.02691	0.088976	0.05468	0.073829	0.11108	-0.05052
0.121757	0.00844	-0.06266	0.17646	0.039888	0.38978	0.044073	0.34194	0.006304
0.101166	0.02882	-0.2919	1.26E-10	-0.0161	0.72857	-0.15874	0.00058	-0.04215
-0.00753	0.87103	-0.15349	0.00088	0.050755	0.27369	0.084855	0.06693	-0.03355
0.017988	0.69822	-0.1619	0.00044	0.06434	0.1651	0.043782	0.34514	-0.00292
-0.13228	0.00419	-0.21008	4.67E-06	-0.05912	0.20222	-0.04688	0.31202	-0.12141
0.250553	4.07E-08	0.391901	1.36E-18	0.303245	2.17E-11	0.421753	1.45E-21	0.251199
0.200382	1.28E-05	0.103204	0.02573	0.189167	3.89E-05	0.159689	0.00053	0.011333
0.02222	0.63197	0.011369	0.80643	0.199132	1.46E-05	0.225547	8.45E-07	0.155647
0.001408	0.97578	-0.09834	0.03362	0.062631	0.17664	-0.00271	0.95345	0.037779
0.089411	0.0535	0.003721	0.93608	0.053282	0.25049	0.029178	0.52936	0.020779

0.074406	0.10831	-0.00289	0.95027	0.024542	0.5968	0.024276	0.60078	0.000314
0.148741	0.00127	-0.03583	0.43982	-0.04267	0.3575	-0.10663	0.02118	0.038464
0.052073	0.26142	0.215082	2.73E-06	0.061726	0.18299	-0.00208	0.96426	0.100959
0.007088	0.87858	-0.19096	3.27E-05	0.107017	0.02072	0.098293	0.03371	0.015959
-0.0613	0.18603	-0.237	2.20E-07	-0.14446	0.00175	-0.13194	0.00429	-0.1685
0.078198	0.09142	-0.03764	0.41712	0.064928	0.16126	0.116805	0.01153	0.026434
-0.07652	0.0986	-0.22971	5.22E-07	-0.07349	0.11276	-0.06307	0.17363	-0.13818
-0.00538	0.90768	-0.03859	0.4054	0.025706	0.5795	0.073871	0.11088	-0.04639
0.042107	0.36393	-0.00086	0.98523	-0.01268	0.78467	-0.04027	0.38522	0.013238
0.093736	0.0429	-0.05447	0.24006	0.156889	0.00067	0.084555	0.06791	0.080507
0.098947	0.03253	-0.09737	0.03543	0.092177	0.0465	0.037268	0.42169	0.031962
-0.05422	0.24222	-0.0928	0.04504	-0.07193	0.12058	-0.12172	0.00846	0.088418
-0.11455	0.01325	-0.13385	0.00376	-0.1771	0.00012	-0.12779	0.00568	-0.15375
-0.11132	0.0161	-0.16777	0.00027	-0.05193	0.26274	-0.02717	0.55809	-0.03644
0.022066	0.63433	-0.08391	0.07004	-0.07055	0.12793	-0.16189	0.00044	-0.1023
0.077346	0.09502	0.019214	0.67877	0.121863	0.00838	0.147447	0.0014	0.117425
-0.10381	0.02487	-0.01484	0.74909	-0.03665	0.42944	-0.10553	0.02256	0.043654
0.04434	0.33903	-0.00667	0.88577	0.112992	0.01456	0.109588	0.01784	0.082049
-0.13165	0.00438	-0.20186	1.10E-05	-0.18865	4.08E-05	-0.17337	0.00017	-0.12193
-0.17936	9.73E-05	-0.09825	0.03378	-0.12964	0.00502	0.016156	0.72768	-0.21066
0.255892	2.04E-08	0.306753	1.24E-11	0.074146	0.10955	0.150734	0.00109	0.148165
-0.11075	0.01666	-0.09206	0.04678	-0.01288	0.78127	0.04539	0.32769	-0.05092
-0.14027	0.00238	-0.1703	0.00022	-0.16036	0.0005	-0.21838	1.90E-06	-0.14805
-0.07853	0.09005	0.000266	0.99542	-0.28297	4.78E-10	-0.19859	1.54E-05	-0.25918
-0.06351	0.17063	-0.2271	7.07E-07	-0.0515	0.26673	-0.05614	0.22592	-0.16423
0.048902	0.29162	-0.01205	0.79516	-0.13119	0.00452	-0.10611	0.02183	-0.15807
-0.03172	0.49403	-0.05176	0.2643	0.027022	0.56023	0.141446	0.00218	-0.03747
0.011144	0.81019	0.055517	0.23113	0.152233	0.00097	0.128339	0.00548	0.216126
0.141739	0.00214	-0.11176	0.01568	0.236924	2.22E-07	0.231367	4.30E-07	0.00235
0.051958	0.26247	0.020351	0.66092	0.057448	0.21529	-0.0148	0.74979	0.071621
0.14737	0.00141	0.089483	0.05331	0.014111	0.76103	0.085964	0.06343	0.010252
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0.007491	0.87173	-0.02382	0.60769	0.078776	0.08905	0.01175	0.80007	0.081309
0.139632	0.00249	0.191327	3.15E-05	0.168819	0.00025	0.306976	1.20E-11	0.013968
0.136921	0.00303	0.118701	0.01025	0.343955	2.05E-14	0.267867	4.08E-09	0.390826
0.041887	0.36644	0.149556	0.00119	0.268382	3.80E-09	0.328237	3.42E-13	0.228398
0.003254	0.94408	-0.03254	0.48302	0.118431	0.01042	0.112374	0.01511	0.102246
0.013074	0.77811	-0.02192	0.63656	0.039124	0.39893	0.063917	0.1679	0.040687
-0.10181	0.02781	-0.08627	0.06249	-0.05999	0.19562	0.064257	0.16565	-0.10945
0.238007	1.94E-07	0.138547	0.0027	0.175628	0.00014	0.257885	1.57E-08	0.095579
-0.00506	0.91317	-0.16085	0.00048	0.059555	0.19891	0.127098	0.00595	-0.0846
0.168377	0.00026	0.385119	5.85E-18	0.104171	0.02437	0.328032	3.54E-13	0.063962
-0.02175	0.63924	0.064311	0.1653	-0.10186	0.02774	-0.00448	0.92305	-0.13615
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0.037191	0.42266	0.05964	0.19826	0.172437	0.00018	0.304141	1.89E-11	0.10378
0.038869	0.40202	0.004185	0.92813	-0.16246	0.00042	-0.09914	0.0322	-0.0735
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0.195932	2.01E-05	-0.05745	0.21529	0.256587	1.86E-08	0.149776	0.00117	0.211773
0.193112	2.65E-05	-0.05768	0.21345	-0.05794	0.21135	-0.06296	0.17438	0.046977
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0.123536	0.00752	-0.11487	0.013	0.084434	0.0683	0.020821	0.65359	0.060169
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0.054015	0.24402	-0.09347	0.0435	-0.03975	0.39138	-0.00808	0.86182	-0.09521
0.058639	0.20591	0.013484	0.77133	0.154082	0.00084	0.116817	0.01153	0.169688
0.068635	0.13861	0.087801	0.05796	0.227543	6.72E-07	0.321265	1.13E-12	0.112877
0.08225	0.07579	-0.09925	0.032	0.066908	0.14884	0.013198	0.77606	0.077779
0.008656	0.852	-0.00622	0.89334	0.051756	0.26434	0.153681	0.00086	-0.00823
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0.243134	1.04E-07	0.169468	0.00023	0.308531	9.33E-12	0.258077	1.53E-08	0.297987
0.077442	0.09461	-0.03292	0.47792	0.109972	0.01744	0.148165	0.00132	-0.00193
0.042635	0.35794	-0.06075	0.19004	0.011469	0.80476	0.114303	0.01345	-0.1483
0.105191	0.023	0.182355	7.39E-05	0.102088	0.02738	0.065801	0.15569	0.192984
0.041469	0.37125	0.107428	0.02023	-0.09061	0.05035	0.040312	0.38476	-0.10763
0.048951	0.29113	-0.13821	0.00276	-0.11519	0.01274	-0.08282	0.07376	-0.12819
0.032857	0.47874	0.001187	0.97959	0.079616	0.08568	0.036571	0.43043	0.131922
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0.103696	0.02503	-0.05787	0.2119	0.057938	0.21139	-0.01366	0.76843	-0.00727
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0.017663	0.70342	0.005968	0.89766	0.080924	0.08065	0.127053	0.00597	0.070156
0.024856	0.5921	-0.21406	3.05E-06	0.157378	0.00064	0.047009	0.31072	0.078889
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0.011981	0.79623	0.190914	3.28E-05	-0.05347	0.24877	0.106124	0.02181	0.071194
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0.164772	0.00035	0.365846	3.09E-16	0.105137	0.02307	0.250706	3.99E-08	0.127952
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0.023595	0.61103	-0.04019	0.38615	0.103221	0.02571	0.206295	6.97E-06	-0.00276
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0.020818	0.65363	0.024699	0.59445	0.109253	0.01819	0.162025	0.00044	0.183222
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0.048273	0.29788	0.033651	0.46817	0.052999	0.25302	0.074575	0.10751	0.05716
0.210915	4.28E-06	0.170429	0.00022	0.430305	1.80E-22	0.431196	1.44E-22	0.281558
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0.018156	0.69555	-0.13821	0.00276	-0.09249	0.04575	-0.08586	0.06376	-0.203
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0.191407	3.13E-05	0.079293	0.08696	0.322794	8.73E-13	0.343653	2.16E-14	0.222028
0.128283	0.0055	0.024348	0.59971	0.112127	0.01534	0.079859	0.08473	0.137673
0.010321	0.82397	-0.06652	0.15123	0.039856	0.39016	0.052532	0.25723	0.025668
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0.042819	0.35587	-0.00916	0.84342	0.053198	0.25124	0.176402	0.00013	-0.09324
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0.083513	0.07138	0.052719	0.25554	0.162877	0.00041	0.170892	0.00021	0.05056
0.000905	0.98444	0.098576	0.03319	-0.09624	0.03762	-0.03173	0.49401	-0.06177
0.018443	0.69098	-0.04478	0.33424	-0.02887	0.53375	0.064835	0.16187	0.013641
-0.19068	3.36E-05	-0.17245	0.00018	-0.23519	2.73E-07	-0.14002	0.00242	-0.22977
0.036469	0.43172	0.166495	0.0003	0.033734	0.46707	0.071971	0.12038	-0.02656
0.148401	0.0013	-0.09344	0.04357	0.176638	0.00012	0.092481	0.04578	0.104509
0.172031	0.00019	0.241833	1.22E-07	0.443727	5.98E-24	0.471254	3.42E-27	0.278296
0.03829	0.40907	0.086592	0.06152	0.002402	0.95871	-0.06615	0.15351	0.03324
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0.080014	0.08412	-0.00832	0.85767	0.079372	0.08665	0.049209	0.2886	0.126486
-0.04714	0.30937	-0.04446	0.33767	0.042375	0.36088	0.1273	0.00587	-0.00503
-0.0356	0.44278	-0.07653	0.09857	0.066182	0.15331	0.129073	0.00521	-0.02984
-0.01174	0.80017	0.022125	0.63343	0.154675	0.0008	0.244266	9.01E-08	0.070793
-0.14099	0.00226	0.068729	0.13807	-0.22961	5.28E-07	-0.11642	0.01181	-0.13769
0.425037	6.55E-22	0.278642	8.95E-10	0.36015	9.50E-16	0.379392	1.95E-17	0.270986
0.092925	0.04474	0.059485	0.19943	0.089549	0.05313	0.020625	0.65664	0.103995
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-0.17701	0.00012	-0.10759	0.02004	-0.06888	0.1372	-0.08085	0.08094	-0.06897
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0.226527	7.55E-07	0.149251	0.00122	0.460583	6.70E-26	0.391833	1.38E-18	0.510082
0.139986	0.00243	-0.09281	0.04501	0.050513	0.276	-0.02884	0.53413	-0.03847
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-0.01292	0.78064	-0.01477	0.75021	0.075582	0.10283	0.060262	0.19361	0.039687
-0.07139	0.12344	-0.00843	0.85584	-0.03787	0.4142	0.022666	0.62516	-0.04086
-0.10302	0.026	-0.05028	0.27825	-0.26157	9.60E-09	-0.11541	0.01257	-0.17399
-0.16525	0.00034	-0.02432	0.60012	-0.25776	1.60E-08	-0.15746	0.00064	-0.20153
0.033455	0.47077	0.046334	0.31773	0.019099	0.68058	0.116664	0.01164	-0.04875
0.033203	0.47411	-0.16211	0.00044	-0.02208	0.63412	-0.04165	0.36915	-0.13591

-0.1301	0.00486	-0.17309	0.00017	-0.08954	0.05314	-0.20168	1.12E-05	0.004541
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0.097759	0.03469	0.041153	0.37491	0.089504	0.05325	-0.01404	0.76226	0.104315
0.200008	1.33E-05	0.135278	0.0034	0.499957	6.67E-31	0.422262	1.28E-21	0.324491
-0.11637	0.01185	-0.14722	0.00142	-0.12176	0.00844	-0.0772	0.09567	-0.167
0.091066	0.04921	0.136502	0.00312	-0.00574	0.90161	-0.12801	0.0056	0.09287
-0.07026	0.1295	-0.05082	0.27307	0.018425	0.69127	-0.0298	0.52059	-0.03864
-0.11499	0.0129	-0.03367	0.46785	-0.07845	0.0904	-0.07404	0.11004	-0.13299
-0.15551	0.00075	-0.09999	0.03075	-0.0934	0.04365	-0.04923	0.28839	-0.15896
0.103624	0.02513	0.002395	0.95884	-0.01386	0.7652	0.041722	0.36834	-0.07487
-0.11134	0.01608	-0.09796	0.03431	0.006918	0.88147	0.062025	0.18087	-0.02977
-0.06802	0.1422	-0.03474	0.45387	-0.07435	0.10856	0.041714	0.36843	-0.10309
-0.02932	0.52734	0.192954	2.69E-05	-0.02352	0.61216	0.189155	3.89E-05	-0.02719
0.147289	0.00141	0.138385	0.00273	0.311447	5.80E-12	0.306499	1.29E-11	0.247612
-0.08754	0.0587	-0.05449	0.23986	-0.12885	0.00529	0.032744	0.48025	-0.1688
-0.07653	0.09858	-0.11597	0.01215	-0.13999	0.00243	-0.1215	0.00858	-0.21866
-0.01676	0.71786	0.014498	0.75467	0.112388	0.0151	0.123417	0.00758	0.090601
0.079755	0.08514	0.124917	0.00688	0.313179	4.37E-12	0.334174	1.20E-13	0.152505
0.068034	0.14211	0.015394	0.74004	0.160971	0.00048	0.164322	0.00036	0.053502
-0.06603	0.15428	-0.14451	0.00174	-0.09609	0.03791	0.000599	0.98971	-0.1281
-0.11522	0.01272	-0.13158	0.00439	-0.16565	0.00032	-0.04082	0.37876	-0.1427
0.068873	0.13724	0.024494	0.59751	0.14446	0.00175	0.189673	3.70E-05	0.082937
-0.06964	0.1329	-0.01738	0.70796	-0.02113	0.64875	0.147108	0.00143	-0.10016
0.260927	1.05E-08	0.196001	1.99E-05	0.480054	2.71E-28	0.422166	1.31E-21	0.352673
-0.0469	0.31189	-0.05727	0.21674	0.032609	0.48206	0.124845	0.00691	-0.03819
0.237925	1.96E-07	0.141807	0.00213	0.363217	5.20E-16	0.256204	1.96E-08	0.341202
0.152578	0.00094	0.100994	0.02909	0.296961	5.81E-11	0.256083	1.99E-08	0.221955
-0.04026	0.38534	-0.05834	0.20823	0.002935	0.94957	0.065527	0.15742	0.017357
0.186952	4.80E-05	0.214061	3.05E-06	0.321654	1.06E-12	0.244682	8.55E-08	0.300029
0.095014	0.04013	0.039871	0.38998	0.053323	0.25012	0.062767	0.1757	0.118775
0.148727	0.00127	-0.04312	0.35247	0.285844	3.13E-10	0.306935	1.21E-11	0.147081
-0.05373	0.24654	-0.21616	2.42E-06	-0.14748	0.00139	-0.12385	0.00737	-0.23874
-0.15395	0.00084	-0.20584	7.31E-06	-0.13382	0.00376	-0.06814	0.14148	-0.14416
0.121914	0.00836	-0.04067	0.38059	0.362212	6.34E-16	0.152713	0.00093	0.278658
-0.08992	0.05215	-0.07899	0.08816	-0.04043	0.38337	0.036344	0.4333	-0.06261
0.038593	0.40537	-0.00196	0.96631	0.274607	1.59E-09	0.269744	3.15E-09	0.198348
-0.06596	0.15467	-0.09795	0.03433	-0.00632	0.89173	0.033984	0.46377	-0.02202
-0.14006	0.00242	-0.09975	0.03114	-0.17719	0.00012	-0.23762	2.04E-07	-0.16199
0.206777	6.63E-06	0.270024	3.03E-09	0.371417	1.01E-16	0.358513	1.31E-15	0.324188
0.000945	0.98375	-0.10046	0.02996	0.084506	0.06807	0.142032	0.00209	-0.04736
-0.13842	0.00272	-0.02181	0.63834	-0.29446	8.54E-11	-0.13128	0.00449	-0.26979
-0.06261	0.17679	-0.03648	0.43159	-0.0485	0.29565	-0.01728	0.7096	-0.08678
0.483269	1.06E-28	0.221093	1.40E-06	0.039112	0.39908	0.237621	2.04E-07	-0.08569
-0.16636	0.00031	0.07709	0.09612	0.025415	0.5838	0.095567	0.03898	-0.02641

0.190971	3.26E-05	-0.01669	0.71902	0.036164	0.43559	-0.09799	0.03425	-0.0366
0.011017	0.81231	0.022011	0.63518	0.213607	3.20E-06	0.176387	0.00013	0.185105
0.046977	0.31105	-0.02469	0.59451	-0.01004	0.82874	-0.00249	0.95714	0.006956
0.067957	0.14256	-0.04003	0.38811	0.128718	0.00534	0.023663	0.61001	0.176436
-0.07228	0.11879	-0.11541	0.01257	-0.03882	0.40263	-0.077	0.09653	-0.04005
0.071315	0.12381	0.010881	0.81459	-0.03164	0.49516	-0.00403	0.93077	0.011432
-0.04917	0.28896	-0.05737	0.21593	-0.08313	0.07269	-0.08304	0.073	-0.10143
-0.11393	0.01376	-0.14656	0.00149	-0.07243	0.11804	-0.14694	0.00145	-0.05496
-0.03647	0.43166	-0.04455	0.33678	0.061769	0.18268	0.0884	0.05627	0.035911
-0.04168	0.36883	-0.11694	0.01144	0.021993	0.63546	0.017611	0.70426	-0.00646
0.129595	0.00503	0.104071	0.02451	0.191254	3.18E-05	0.145758	0.00159	0.136519
0.1155	0.0125	0.154213	0.00083	0.043047	0.35331	0.041134	0.37513	0.024354
-0.03847	0.40689	-0.08588	0.0637	-0.04693	0.31157	-0.04443	0.33804	-0.0553
0.179223	9.85E-05	0.121752	0.00844	0.114849	0.01301	0.030549	0.51018	0.05388
0.025178	0.58732	0.067158	0.14732	0.057764	0.21277	0.022608	0.62604	0.084259
-0.19472	2.26E-05	-0.20185	1.10E-05	-0.17546	0.00014	-0.0292	0.52905	-0.21486
-0.09844	0.03344	-0.14402	0.00181	-0.02423	0.60142	0.052434	0.25812	-0.09414
-0.01337	0.77328	-0.11848	0.01039	0.010565	0.81988	-0.081	0.08038	0.081724
-0.00576	0.90127	-0.18486	5.85E-05	-0.20014	1.31E-05	-0.15578	0.00073	-0.14072
-0.15892	0.00057	-0.2812	6.18E-10	0.009541	0.83708	-0.05973	0.19756	-0.035
-0.20759	6.09E-06	-0.08435	0.06857	-0.2423	1.15E-07	-0.10335	0.02552	-0.2336
0.023747	0.60874	0.004921	0.91554	-0.1941	2.41E-05	-0.15615	0.00071	-0.12062
0.06942	0.13414	-0.02069	0.65565	0.341935	2.97E-14	0.327607	3.81E-13	0.223504
0.1104	0.017	-0.18285	7.05E-05	0.201319	1.17E-05	0.127857	0.00566	0.000159
-0.18184	7.75E-05	-0.19541	2.11E-05	-0.15316	0.0009	-0.05137	0.2679	-0.19698
-0.00821	0.85953	0.017071	0.71291	0.131591	0.00439	0.184031	6.32E-05	0.063365
-0.14716	0.00143	-0.05184	0.26355	-0.21466	2.85E-06	-0.14526	0.00165	-0.21543
0.273886	1.76E-09	0.197326	1.75E-05	0.396356	5.11E-19	0.416151	5.52E-21	0.349373
-0.00057	0.99024	-0.10634	0.02154	0.251479	3.61E-08	0.209997	4.72E-06	0.164449
-0.01851	0.68996	-0.00721	0.87652	0.100703	0.02956	0.166768	0.0003	0.026997
-0.06207	0.18056	-0.07035	0.12897	0.018355	0.69238	0.081389	0.07891	-0.05512
-0.00558	0.90425	0.002378	0.95912	-0.04125	0.3738	-0.03837	0.40811	-0.07463
0.012485	0.78786	0.027778	0.54931	0.181243	8.19E-05	0.25306	2.95E-08	0.110684
-0.08031	0.08297	-0.31218	5.15E-12	-0.21696	2.22E-06	-0.29166	1.31E-10	-0.22231
0.170173	0.00022	0.495312	2.81E-30	0.249176	4.85E-08	0.445861	3.43E-24	0.27474
-0.03722	0.42229	-0.02747	0.55374	-0.02591	0.57646	0.071813	0.1212	-0.04638
-0.04061	0.38126	0.048428	0.29633	-0.15867	0.00058	-0.05706	0.2184	-0.11157
-0.0573	0.2165	-0.11531	0.01265	-0.0634	0.17141	0.040674	0.3805	-0.08633
-0.12919	0.00517	-0.38286	9.44E-18	-0.10054	0.02982	-0.19926	1.44E-05	-0.07071
0.191982	2.96E-05	0.201303	1.17E-05	0.365296	3.45E-16	0.457289	1.64E-25	0.233472
-0.01704	0.71338	-0.17724	0.00012	-0.08297	0.07325	-0.05774	0.21297	-0.1805
0.165914	0.00032	0.01259	0.78611	0.355543	2.32E-15	0.206763	6.64E-06	0.237584
-0.01555	0.73756	0.025872	0.57706	0.084652	0.06759	0.169302	0.00024	0.041605
0.210851	4.30E-06	-0.14507	0.00167	0.083495	0.07144	0.098631	0.0331	0.029209
0.074149	0.10953	0.142344	0.00205	0.085728	0.06416	0.196834	1.83E-05	0.039707

-0.00647	0.88902	0.173267	0.00017	0.066074	0.15398	0.27547	1.41E-09	0.073653
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0.029408	0.52611	0.005675	0.90266	-0.07545	0.10344	-0.06855	0.13908	0.013985
-0.03951	0.39426	-0.01813	0.69594	-0.02523	0.58649	0.026173	0.57262	0.084081
0.071322	0.12378	-0.0035	0.93993	0.041174	0.37466	-0.08919	0.05409	0.089104
0.06757	0.14486	-0.2331	3.50E-07	-0.10827	0.01927	-0.15184	0.001	-0.08784
0.172668	0.00018	0.100706	0.02956	0.122847	0.00787	0.130802	0.00464	0.04242
-0.26819	3.90E-09	-0.30652	1.29E-11	-0.19375	2.49E-05	-0.11109	0.01632	-0.17683
-0.11137	0.01605	-0.12506	0.00681	-0.15914	0.00056	-0.07966	0.08549	-0.181
0.062996	0.17413	-0.0079	0.86484	0.050126	0.27969	0.172253	0.00018	-0.02963
-0.05046	0.27652	-0.06206	0.18064	0.239135	1.70E-07	0.225869	8.14E-07	0.212056
0.083013	0.0731	0.127486	0.0058	0.230385	4.82E-07	0.403808	9.63E-20	0.092658
0.09111	0.0491	0.278288	9.41E-10	0.214093	3.04E-06	0.306115	1.38E-11	0.204288
0.239886	1.55E-07	0.278908	8.61E-10	0.256605	1.86E-08	0.354407	2.88E-15	0.165099
0.364596	3.96E-16	0.172291	0.00018	0.419656	2.40E-21	0.411218	1.76E-20	0.29108
0.242496	1.12E-07	0.120958	0.00888	0.309027	8.61E-12	0.346667	1.24E-14	0.203858
0.187097	4.73E-05	0.062545	0.17724	0.342715	2.57E-14	0.257291	1.70E-08	0.263547
0.00795	0.86395	-0.01408	0.76151	-0.26955	3.23E-09	-0.01366	0.76847	-0.28446
0.173226	0.00017	0.200574	1.26E-05	0.262711	8.24E-09	0.165975	0.00032	0.285654
-0.02634	0.57015	-0.08697	0.0604	0.06863	0.13864	0.111858	0.01559	-0.03754
-0.01065	0.81846	0.113948	0.01375	0.157596	0.00063	0.276659	1.19E-09	0.104585
-0.07423	0.10913	-0.31566	2.90E-12	-0.2449	8.32E-08	-0.25197	3.39E-08	-0.24001
-0.03178	0.49322	-0.15319	0.0009	0.0307	0.5081	-0.06001	0.19547	0.005959
0.126894	0.00603	0.16827	0.00026	0.248412	5.35E-08	0.287384	2.49E-10	0.218399
-0.12829	0.0055	-0.1092	0.01825	-0.02903	0.5314	0.053371	0.2497	-0.12844
-0.03918	0.3982	0.005958	0.89782	0.131976	0.00428	0.136772	0.00306	0.047057
0.044709	0.33501	-0.07901	0.08811	0.064786	0.16219	0.067318	0.14636	0.015871
-0.04072	0.37993	-0.05219	0.26034	0.007541	0.87089	0.046012	0.3211	-0.00589
0.021297	0.64619	0.18065	8.65E-05	0.148522	0.00129	0.164075	0.00037	0.139433
0.434036	7.08E-23	0.339908	4.29E-14	0.70884	1.70E-72	0.517591	2.31E-33	0.583337
0.34909	7.88E-15	0.062077	0.18051	0.42805	3.13E-22	0.26273	8.21E-09	0.313783
0.378302	2.45E-17	0.274389	1.64E-09	0.452516	5.93E-25	0.372254	8.51E-17	0.411596
0.272932	2.02E-09	0.193256	2.61E-05	0.376644	3.46E-17	0.249043	4.94E-08	0.320813
0.364052	4.41E-16	0.26374	7.17E-09	0.645806	1.83E-56	0.448658	1.65E-24	0.608675
0.102102	0.02736	0.056774	0.22073	0.211734	3.92E-06	0.179392	9.70E-05	0.149678
0.251016	3.84E-08	0.220371	1.52E-06	0.520951	7.57E-34	0.508437	4.56E-32	0.348943
0.267782	4.13E-09	0.248516	5.28E-08	0.184065	6.30E-05	0.208435	5.57E-06	0.087105
0.342255	2.80E-14	0.374252	5.66E-17	0.510167	2.61E-32	0.525063	1.90E-34	0.360639
0.227254	6.94E-07	0.279121	8.35E-10	0.251701	3.51E-08	0.273091	1.97E-09	0.123814
0.077735	0.09336	-0.14578	0.00158	0.190671	3.36E-05	0.024015	0.6047	0.123109
0.487642	2.88E-29	0.46068	6.52E-26	0.752304	2.61E-86	0.644178	4.24E-56	0.627082
0.352803	3.91E-15	0.421945	1.39E-21	0.540854	7.78E-37	0.614241	8.90E-50	0.407297
0.313492	4.15E-12	0.195857	2.02E-05	0.601176	3.17E-47	0.466903	1.16E-26	0.555172
0.329875	2.57E-13	0.131008	0.00457	0.484549	7.23E-29	0.363756	4.68E-16	0.374301
0.157973	0.00061	0.11206	0.0154	0.354697	2.72E-15	0.240819	1.38E-07	0.309018

0.239113	1.70E-07	0.059291	0.2009	0.450053	1.14E-24	0.33773	6.37E-14	0.332553
0.266397	4.99E-09	0.156251	0.0007	0.268864	3.55E-09	0.273254	1.93E-09	0.207035
0.308413	9.50E-12	0.12819	0.00553	0.221553	1.33E-06	0.135987	0.00323	0.094802
0.288321	2.16E-10	0.123702	0.00744	0.52209	5.17E-34	0.313067	4.45E-12	0.413887
0.29536	7.44E-11	0.506772	7.77E-32	0.318792	1.72E-12	0.387976	3.17E-18	0.270259
0.178534	0.0001	0.026841	0.56287	0.302905	2.29E-11	0.282185	5.35E-10	0.282736
0.204761	8.18E-06	0.20845	5.56E-06	0.218134	1.95E-06	0.292213	1.20E-10	0.166162
0.23573	2.56E-07	0.08058	0.08194	0.163333	0.00039	0.130967	0.00458	0.072254
0.294098	9.03E-11	0.327653	3.78E-13	0.66561	4.45E-61	0.581309	1.46E-43	0.533221
0.24711	6.31E-08	0.366783	2.56E-16	0.447723	2.11E-24	0.531939	1.79E-35	0.317454
0.28854	2.09E-10	0.184718	5.93E-05	0.535587	5.02E-36	0.458018	1.35E-25	0.500799
0.441252	1.13E-23	0.510236	2.56E-32	0.523691	3.01E-34	0.469426	5.73E-27	0.504707
0.439058	1.99E-23	0.480519	2.37E-28	0.661975	3.33E-60	0.566634	5.15E-41	0.610513
0.277132	1.11E-09	0.199495	1.40E-05	0.497858	1.28E-30	0.437836	2.71E-23	0.35333
0.160974	0.00048	0.162217	0.00043	0.536325	3.88E-36	0.436099	4.21E-23	0.487112
0.128747	0.00533	0.046433	0.3167	0.103504	0.0253	0.09656	0.03698	0.015386
0.29309	1.05E-10	0.209013	5.24E-06	0.588576	7.13E-45	0.517905	2.08E-33	0.450268
0.162758	0.00041	0.02928	0.52792	0.40503	7.29E-20	0.266208	5.12E-09	0.267835
0.264364	6.59E-09	0.077633	0.0938	0.285245	3.42E-10	0.07108	0.12506	0.209578
0.191635	3.06E-05	0.110842	0.01656	0.508519	4.44E-32	0.439462	1.79E-23	0.365381
0.393736	9.09E-19	0.252301	3.25E-08	0.624857	6.11E-52	0.458571	1.16E-25	0.498345
0.10013	0.03051	0.163724	0.00038	0.303026	2.25E-11	0.331079	2.08E-13	0.213012
0.219396	1.69E-06	0.301697	2.78E-11	0.510439	2.39E-32	0.463883	2.70E-26	0.438543
0.152979	0.00091	0.112009	0.01545	0.385027	5.96E-18	0.434656	6.06E-23	0.222819
0.321311	1.12E-12	0.349136	7.82E-15	0.404845	7.61E-20	0.357152	1.70E-15	0.341817
0.123198	0.00769	-0.0676	0.14465	0.181253	8.18E-05	0.067713	0.144	0.068876
0.270534	2.82E-09	0.020807	0.6538	0.505697	1.09E-31	0.336642	7.74E-14	0.402591
0.410963	1.86E-20	0.25566	2.10E-08	0.475838	9.22E-28	0.356378	1.97E-15	0.318867
0.349266	7.63E-15	0.377438	2.93E-17	0.435007	5.55E-23	0.486776	3.72E-29	0.350891
0.39878	2.98E-19	0.281378	6.02E-10	0.674515	2.85E-63	0.581084	1.60E-43	0.539169
0.327924	3.61E-13	0.157353	0.00064	0.567424	3.78E-41	0.405312	6.84E-20	0.558589
0.246979	6.41E-08	0.01393	0.76399	0.425645	5.65E-22	0.209098	5.19E-06	0.356879
0.173721	0.00016	0.045395	0.32765	0.243291	1.02E-07	0.19443	2.33E-05	0.153437
0.020431	0.65966	-0.00118	0.97963	0.157897	0.00062	0.05529	0.23305	0.190865
0.035966	0.43811	0.043665	0.34644	0.114867	0.013	0.045875	0.32255	0.120773
0.068554	0.13908	0.063345	0.17175	0.149735	0.00117	0.083189	0.07249	0.185887
0.111798	0.01565	0.13929	0.00256	0.099827	0.03101	0.075179	0.10468	0.12985
0.006032	0.89657	0.000202	0.99653	0.070423	0.1286	-0.00189	0.96755	0.138836
0.078047	0.09205	0.050229	0.2787	0.114812	0.01304	0.055146	0.23427	0.160749
-0.07351	0.11265	-0.06433	0.16516	0.101884	0.0277	0.093827	0.0427	0.084141
0.045432	0.32725	0.021005	0.65073	0.1587	0.00058	0.058511	0.20691	0.15869
0.041099	0.37553	0.010168	0.82653	0.134501	0.00359	0.052673	0.25595	0.178253
0.028734	0.53564	0.007582	0.87019	0.127811	0.00568	0.051283	0.26873	0.132252
-0.04551	0.32647	-0.06478	0.16225	-0.00844	0.85572	0.021271	0.64661	-0.04764
0.083254	0.07227	0.071566	0.12249	0.153161	0.0009	0.088412	0.05623	0.139185



0.001873	0.9678	-0.02198	0.63566	0.094512	0.0412	0.03393	0.46448	0.127682
-0.01073	0.81708	-0.00531	0.90888	0.046785	0.31304	-0.00545	0.90653	0.053185
0.027394	0.55485	0.009747	0.83361	0.139256	0.00256	0.051559	0.26616	0.134029
0.070903	0.12601	0.110249	0.01715	0.180904	8.45E-05	0.095363	0.0394	0.240856
0.194377	2.34E-05	0.13247	0.00413	0.335597	9.33E-14	0.252523	3.16E-08	0.280341
0.029753	0.52128	0.036238	0.43465	0.150396	0.00111	0.061345	0.18571	0.186508
0.058291	0.20862	0.046136	0.3198	0.095411	0.0393	0.053261	0.25068	0.10545
0.004645	0.92025	0.000859	0.98523	0.048726	0.29336	0.005636	0.90332	0.067634
-0.04452	0.33706	-0.07426	0.10902	0.010095	0.82776	-0.04611	0.32007	0.032432
-0.02056	0.65773	-0.08236	0.07541	0.041424	0.37177	-0.07346	0.11288	0.112225
-0.01175	0.80014	0.040739	0.37974	0.057642	0.21374	0.016349	0.72455	0.131717
0.019907	0.66787	0.016588	0.72069	0.10458	0.02381	0.068339	0.14033	0.136404
-0.07063	0.1275	-0.11572	0.01234	0.027987	0.54631	-0.06985	0.13173	0.078262
0.049012	0.29054	0.037588	0.41771	0.182386	7.37E-05	0.079243	0.08716	0.223197
0.010606	0.81918	0.006736	0.88456	0.126399	0.00623	0.043621	0.34692	0.148843
0.179053	0.0001	0.227103	7.07E-07	0.312319	5.03E-12	0.327777	3.70E-13	0.287145
0.05704	0.21857	0.031814	0.49281	0.140354	0.00237	0.057744	0.21292	0.17085
-0.02853	0.53857	-0.02995	0.51858	-0.03633	0.43343	-0.08064	0.08171	0.042904
0.002977	0.94885	0.00535	0.90821	0.071478	0.12295	0.0178	0.70123	0.065916
-0.03741	0.41994	0.02434	0.59982	0.110648	0.01675	0.098868	0.03267	0.102693
-0.02459	0.59612	-0.02774	0.54989	0.004551	0.92186	-0.07935	0.08672	0.025884
0.024036	0.60439	0.036606	0.43	0.147528	0.00139	0.074311	0.10876	0.176921
-0.08141	0.07884	-0.00665	0.88603	0.145235	0.00165	0.126091	0.00636	0.211201
0.056906	0.21965	0.017722	0.70247	0.097582	0.03502	0.037613	0.41741	0.123869
0.139402	0.00253	0.060393	0.19265	0.197602	1.70E-05	0.125928	0.00643	0.225037
0.076535	0.09855	0.092024	0.04686	0.130782	0.00464	0.091928	0.04709	0.176034
0.007538	0.87094	-0.01599	0.73038	0.142792	0.00198	0.055551	0.23085	0.161772
0.222967	1.13E-06	0.193569	2.53E-05	0.210102	4.66E-06	0.160926	0.00048	0.247085
0.041003	0.37665	0.017141	0.71179	0.174278	0.00015	0.06618	0.15332	0.189693
0.040575	0.38166	0.018712	0.68672	0.147309	0.00141	0.060892	0.18899	0.156405
-0.00388	0.93342	-0.03321	0.47407	0.05495	0.23595	-0.00963	0.83558	0.021635
0.043059	0.35317	0.023095	0.61861	0.145011	0.00168	0.061743	0.18287	0.155313
0.004651	0.92016	-0.02852	0.53875	0.072631	0.11701	-0.00679	0.88373	0.155116
0.032227	0.48722	-0.01853	0.68961	0.034264	0.4601	-0.02092	0.65202	0.096718
-0.01001	0.82914	-0.02496	0.59058	0.083596	0.0711	0.031027	0.50359	0.09128
0.008169	0.86025	-0.03914	0.39873	0.055411	0.23203	0.002176	0.96259	0.114564
0.095165	0.03981	0.086275	0.06248	0.122703	0.00794	0.071782	0.12137	0.13157
0.047448	0.30622	0.061234	0.18651	0.056701	0.22133	0.037227	0.4222	0.057643
0.095983	0.03813	0.062499	0.17756	0.119783	0.00957	0.040602	0.38134	0.160686
0.115237	0.01271	0.086856	0.06072	0.143449	0.00189	0.102264	0.02712	0.172297
0.022274	0.63115	0.029561	0.52396	0.058733	0.20518	0.071544	0.12261	0.094782
0.179995	9.18E-05	0.06808	0.14184	0.277831	1.01E-09	0.145897	0.00157	0.26382
-0.0136	0.76944	-0.05642	0.22358	0.002886	0.9504	-0.00386	0.93369	-0.00906
0.015602	0.73666	-0.01888	0.684	0.054498	0.23982	0.010724	0.81721	0.097079
-0.03662	0.42986	-0.08993	0.05212	-0.00775	0.86742	-0.06279	0.17553	0.045668

0.037179	0.4228	-0.00095	0.98375	0.202795	1.00E-05	0.088998	0.05462	0.213887
0.006727	0.88473	-0.03616	0.43558	0.099063	0.03233	0.037382	0.42027	0.129616
0.030623	0.50916	0.080866	0.08086	0.091154	0.04899	0.080207	0.08337	0.137412
-0.01409	0.76135	0.006138	0.89476	0.030818	0.50646	0.039207	0.39792	-0.00019
-0.01348	0.77141	-0.15058	0.0011	-0.02622	0.57201	-0.11496	0.01292	-0.09981
-0.01464	0.75232	-0.00855	0.85383	0.078366	0.09073	0.016924	0.71528	0.119004
0.010628	0.81882	-0.03157	0.49609	0.143725	0.00185	0.035777	0.44052	0.179954
0.008945	0.84713	0.045084	0.33097	0.125406	0.00666	0.077882	0.09274	0.192074
-0.00175	0.96986	-0.04227	0.36211	-0.07454	0.10769	-0.1485	0.00129	-0.00077
-0.01195	0.79668	-0.00751	0.87138	0.062726	0.17599	0.009675	0.83482	0.03663
0.038788	0.40299	0.050555	0.2756	0.162577	0.00042	0.074113	0.10971	0.192228
-0.00055	0.99054	-0.0699	0.13149	-0.0094	0.83951	-0.07449	0.10789	0.016153
0.05174	0.26448	0.01042	0.82231	0.127704	0.00572	0.059606	0.19852	0.135569
0.089585	0.05303	0.019333	0.67688	0.048749	0.29313	0.018519	0.68977	0.051593
0.022301	0.63073	0.009802	0.83268	0.146176	0.00154	0.04184	0.36698	0.199412
-0.03151	0.49696	-0.07164	0.12209	-0.01313	0.7772	-0.06762	0.14458	0.009461
-0.01154	0.80364	-0.02869	0.53624	0.044416	0.3382	-0.02425	0.60121	0.058322
0.063757	0.16897	0.033643	0.46827	0.137604	0.00288	0.059482	0.19945	0.17716
0.024579	0.59625	-0.01358	0.76975	0.167272	0.00028	0.052202	0.26023	0.189663
0.037207	0.42245	0.018548	0.68931	0.172342	0.00018	0.077565	0.09409	0.189525
-0.03773	0.416	-0.04273	0.35684	0.040999	0.3767	-0.01867	0.68731	0.045693
-0.00134	0.97695	-0.01173	0.80048	0.08131	0.0792	0.018553	0.68923	0.086161
0.060403	0.19257	0.057764	0.21277	0.133409	0.00387	0.085634	0.06446	0.183928
-0.00232	0.9602	-0.02855	0.53822	0.06917	0.13555	0.006351	0.89112	0.068229
0.108588	0.01891	0.01213	0.79375	0.135817	0.00327	0.064675	0.16291	0.153998
0.011601	0.80257	-0.00825	0.85895	0.090852	0.04975	0.018478	0.69042	0.134085
-0.00168	0.97111	-0.03351	0.47	0.062549	0.17721	-0.01275	0.78353	0.083875
0.081067	0.08011	0.049047	0.29018	0.172666	0.00018	0.072301	0.11869	0.145404
-0.01399	0.76293	0.090121	0.05162	0.122053	0.00828	0.140177	0.0024	0.191072
0.121467	0.0086	0.110669	0.01673	0.161795	0.00045	0.083106	0.07278	0.191587
-0.01951	0.67407	-0.04547	0.32686	0.012154	0.79336	-0.05075	0.27372	0.06354
-0.00763	0.86934	-0.01972	0.67079	0.016807	0.71716	-0.0055	0.9056	-0.01112
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-0.00922	0.84242	-0.0283	0.54179	0.094571	0.04107	0.019881	0.66827	0.114194
0.003813	0.93451	-0.00404	0.93061	0.136523	0.00311	0.052842	0.25443	0.157759
0.010599	0.81931	-0.00918	0.84312	0.115917	0.01219	0.043448	0.34884	0.121021
-0.03693	0.42587	-0.05023	0.27869	-0.00788	0.86511	-0.03811	0.41129	-0.03215
-0.0621	0.18033	-0.09656	0.03699	-0.01894	0.68308	-0.07691	0.09692	-0.03989
-0.01237	0.78969	0.002441	0.95804	0.089003	0.0546	0.031414	0.49828	0.102726
0.008248	0.8589	-0.06056	0.19138	0.020784	0.65416	-0.03298	0.47709	0.079718
-0.00938	0.83973	-0.02391	0.6063	0.101564	0.02819	0.033729	0.46714	0.07355
-0.0216	0.64145	-0.02269	0.62473	0.00831	0.85785	-0.02997	0.51827	0.02208
0.033868	0.46531	-0.05806	0.21046	0.060525	0.19167	-0.01257	0.78643	0.043193
-0.0051	0.91244	0.013866	0.76505	-0.02595	0.57587	-0.04151	0.37077	-0.0034
0.082431	0.07514	0.002033	0.96505	0.125131	0.00678	0.037642	0.41704	0.132931

0.047649	0.30417	-0.04506	0.33121	0.051602	0.26576	-0.01567	0.73559	0.107359
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-0.00148	0.9745	0.026656	0.56556	0.137573	0.00289	0.087233	0.05961	0.169089
0.063855	0.16832	0.071596	0.12234	0.153387	0.00088	0.085067	0.06625	0.123317
0.04029	0.38502	-0.03192	0.49135	0.044853	0.33346	-0.00162	0.9721	0.051451
-0.0216	0.64155	0.014594	0.7531	0.053627	0.24743	0.032669	0.48126	0.131215
0.024473	0.59782	0.031216	0.50099	0.135288	0.0034	0.065948	0.15477	0.113167
0.126996	0.00599	0.003774	0.93517	0.144235	0.00178	0.038677	0.40435	0.16085
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0.055421	0.23194	-0.00279	0.95199	0.145121	0.00166	0.049472	0.28602	0.1768
0.081767	0.07752	0.016447	0.72297	0.125825	0.00648	0.054485	0.23994	0.138305
0.22657	7.51E-07	0.056424	0.22359	0.174117	0.00016	0.085244	0.06569	0.138102
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0.040134	0.38686	0.017067	0.71298	0.148903	0.00125	0.0565	0.22297	0.177556
-0.07369	0.11177	-0.09998	0.03075	-0.11596	0.01215	-0.12422	0.0072	-0.09923
0.028961	0.53242	0.005811	0.90033	0.121804	0.00841	0.042904	0.35492	0.133364
0.016449	0.72293	-0.04719	0.30889	0.037643	0.41704	-0.0187	0.68684	0.084146
0.035758	0.44076	-0.01358	0.76969	0.078345	0.09082	0.034272	0.45999	0.075972
-0.01845	0.6909	-0.0242	0.60192	0.011272	0.80805	-0.01392	0.76417	0.049968
0.043211	0.35147	-0.01996	0.66704	0.031955	0.4909	0.023713	0.60925	0.053049
0.043668	0.3464	0.040389	0.38385	0.121231	0.00873	0.067953	0.14258	0.154086
0.023954	0.60562	0.002948	0.94933	0.183384	6.71E-05	0.053451	0.24899	0.217335
0.161936	0.00044	0.069447	0.13399	0.192689	2.76E-05	0.122441	0.00808	0.157755
0.022353	0.62993	0.003673	0.9369	0.150146	0.00114	0.070221	0.1297	0.165048
-0.00248	0.9574	-0.03186	0.49213	0.097439	0.03529	0.029339	0.52709	0.104022
0.07277	0.11631	-0.01055	0.82008	-0.04434	0.33905	-0.01866	0.68755	0.019393
-0.00314	0.94605	-0.03698	0.42525	0.121718	0.00846	0.005404	0.90728	0.151895
0.001748	0.96995	-0.10056	0.0298	0.04619	0.31923	-0.05581	0.2287	0.116204
0.042222	0.36262	-0.13371	0.00379	0.044024	0.34247	-0.09545	0.03923	0.108583
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0.003259	0.94401	-0.05337	0.24975	0.055334	0.23268	-0.01475	0.75047	0.059088
0.037532	0.41841	-0.03153	0.49671	0.016741	0.71822	-0.01649	0.72226	0.046485
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-0.04727	0.308	-0.15379	0.00085	0.011062	0.81156	-0.05605	0.22671	0.056418
0.000621	0.98932	-0.05504	0.23514	0.034886	0.45199	0.007896	0.86486	0.068001
0.037978	0.41289	-0.00256	0.95595	0.128237	0.00552	0.043674	0.34634	0.160337
0.011983	0.7962	-0.06768	0.14419	0.037374	0.42037	-0.02666	0.56555	0.106905
-0.03657	0.43039	-0.04881	0.29253	0.012412	0.78907	-0.00792	0.86439	0.017074
0.023645	0.61028	-0.01478	0.7501	0.032017	0.49006	-0.01363	0.76886	0.068401
-0.04231	0.3616	-0.0612	0.18672	0.030095	0.51649	-0.04566	0.32484	0.085214
-0.01839	0.69183	-0.09275	0.04514	0.002725	0.95316	-0.01375	0.76702	0.038546
-0.04429	0.33958	-0.10945	0.01798	-0.02909	0.53063	-0.06229	0.17898	0.020702
0.006166	0.89428	-0.01138	0.80624	0.179397	9.70E-05	0.071631	0.12216	0.177533
0.048198	0.29863	0.019457	0.67494	0.100532	0.02984	0.054911	0.23627	0.080554

0.004257	0.9269	-0.01427	0.75848	0.05533	0.23271	-0.00294	0.94939	0.085499
-0.02658	0.56673	-0.13333	0.00389	-0.08806	0.05724	-0.1254	0.00666	-0.03032
-0.00388	0.93342	-0.0206	0.657	0.066261	0.15282	-0.00041	0.99298	0.073467
0.028574	0.53792	-0.00069	0.9881	0.111389	0.01603	0.04737	0.30701	0.097387
0.026036	0.57464	0.034721	0.45414	0.10563	0.02243	0.042445	0.36009	0.116478
0.023647	0.61025	0.000786	0.98649	0.098951	0.03253	0.030184	0.51525	0.104683
0.022168	0.63277	0.009841	0.83203	0.155669	0.00074	0.064163	0.16627	0.192116
-0.0196	0.67269	-0.1072	0.0205	-0.02903	0.53146	-0.09103	0.04931	0.030182
0.024211	0.60175	-0.01641	0.72358	0.110588	0.01681	0.037889	0.414	0.133301
0.001592	0.97264	-0.06601	0.15438	0.046309	0.31799	-0.01884	0.68467	0.086062
0.011403	0.80586	-0.01875	0.68613	0.088142	0.05699	0.014071	0.76168	0.162033
0.033914	0.4647	0.014395	0.75636	0.147316	0.00141	0.063146	0.1731	0.158974
0.002191	0.96234	-0.00477	0.91818	0.0787	0.08936	0.034006	0.46349	0.10266
0.0441	0.34165	0.028383	0.54064	0.140741	0.0023	0.068729	0.13807	0.141398
-0.02119	0.64791	-0.02769	0.55059	-0.01108	0.81124	-0.01976	0.67015	-0.0422
0.012259	0.79161	-0.00067	0.98852	0.170415	0.00022	0.079417	0.08647	0.172403
-0.0253	0.58552	-0.05704	0.2186	-0.03921	0.39791	-0.07393	0.11061	0.02103
0.012247	0.79182	-0.02155	0.64235	0.119889	0.00951	0.010254	0.82509	0.163341
0.037389	0.42018	0.012909	0.78083	0.139595	0.0025	0.062422	0.1781	0.14411
0.030487	0.51104	0.012453	0.78838	0.144169	0.00179	0.060037	0.19529	0.16267
-0.02092	0.65199	-0.01188	0.79798	0.05341	0.24935	-0.00101	0.98269	0.090345
0.036934	0.42587	0.017605	0.70435	0.193331	2.59E-05	0.078432	0.09046	0.214192
0.04673	0.3136	-0.01554	0.73764	0.069217	0.13529	0.043452	0.34879	0.074846
0.034944	0.45124	-0.04931	0.2876	0.122217	0.00819	0.020706	0.65538	0.148146
-0.0192	0.67904	0.000156	0.99732	0.074522	0.10776	0.030039	0.51727	0.091327
0.052068	0.26146	-0.00275	0.95277	0.066516	0.15124	0.033074	0.47584	0.076738
0.0242	0.60192	-0.01661	0.72038	0.129157	0.00518	0.056417	0.22365	0.163483
-0.0113	0.8076	-0.09989	0.03092	0.032151	0.48824	-0.07239	0.11823	0.099163
-0.02366	0.61009	-0.08374	0.0706	0.087251	0.05956	0.089276	0.05386	0.081128
0.037579	0.41783	0.009233	0.84226	0.125079	0.0068	0.033101	0.47548	0.177488
0.027293	0.5563	0.016993	0.71417	0.11497	0.01291	0.038889	0.40177	0.137733
0.027358	0.55537	-0.03242	0.48459	0.019875	0.66837	0.010601	0.81926	0.03871
0.019688	0.67129	-0.0462	0.31916	0.020073	0.66526	-0.01748	0.70638	0.069281
0.04415	0.3411	0.017935	0.69907	0.136863	0.00304	0.059899	0.19631	0.142779
0.002801	0.95187	-0.03402	0.4633	0.073571	0.11234	-0.00766	0.8688	0.115755
0.02601	0.57502	0.006902	0.88175	0.144137	0.00179	0.043749	0.3455	0.164559
-0.01142	0.80564	-0.03235	0.48556	0.072252	0.11894	0.007295	0.87506	0.092399
0.05272	0.25552	-0.00521	0.9106	0.139187	0.00257	0.04876	0.29302	0.163509
0.008463	0.85527	-0.01748	0.70639	0.067736	0.14387	0.00052	0.99105	0.100151
0.01989	0.66814	0.010461	0.82162	0.190842	3.31E-05	0.090412	0.05087	0.196371
0.024073	0.60383	0.043307	0.35041	0.10705	0.02068	0.054977	0.23571	0.12963
0.007644	0.86914	-0.01928	0.67773	0.082781	0.07391	0.011891	0.79773	0.105468
0.070666	0.12728	-0.0082	0.85971	0.035653	0.4421	0.01273	0.78379	0.081269
-0.04882	0.29243	-0.09359	0.04323	-0.03657	0.43039	-0.0899	0.05219	-0.0349
-0.01165	0.80166	0.008599	0.85297	0.040781	0.37925	-0.017	0.71412	0.061892

0.025926	0.57625	-0.00576	0.90119	0.107897	0.01969	0.029932	0.51876	0.132046
0.008988	0.8464	-0.03043	0.51184	0.132629	0.00409	0.025198	0.58702	0.160719
-0.0074	0.87323	-0.02496	0.59061	0.070915	0.12594	0.022038	0.63477	0.073437
0.019624	0.67231	0.00092	0.98417	0.056369	0.22405	-0.00909	0.84463	0.116412
0.062874	0.17496	-0.01608	0.72895	0.107108	0.02061	0.02791	0.54741	0.10902
0.07938	0.08662	-0.00681	0.88331	0.021388	0.64479	0.02244	0.62861	0.037476
-0.02997	0.51824	-0.04352	0.34803	0.043249	0.35106	0.001713	0.97055	0.071649
0.016891	0.71582	0.011901	0.79757	0.122688	0.00795	0.050369	0.27736	0.134658
0.164594	0.00035	0.005814	0.90028	0.166605	0.0003	0.084068	0.06951	0.162431
0.086459	0.06192	0.017122	0.71209	0.116029	0.0121	0.062573	0.17705	0.106985
0.050539	0.27574	0.021033	0.6503	0.144656	0.00172	0.05856	0.20652	0.182162
0.022043	0.63468	0.006229	0.89321	0.018559	0.68914	-0.0389	0.40166	0.076855
0.007079	0.87873	0.003172	0.9455	0.12011	0.00938	0.037283	0.4215	0.162364
0.038704	0.40401	0.015247	0.74243	0.15158	0.00102	0.050058	0.28035	0.184204
0.042126	0.36371	0.020884	0.6526	0.149758	0.00117	0.060742	0.19008	0.170576
0.087736	0.05815	0.069952	0.13118	0.110124	0.01728	0.032258	0.48679	0.142534
0.002279	0.96082	-0.00252	0.95662	0.113601	0.01404	0.046891	0.31193	0.125253
-0.04765	0.30416	-0.00115	0.98025	0.005757	0.90126	0.01316	0.77668	0.037239
-5.91E-06	0.9999	-0.0003	0.99488	0.137697	0.00286	0.050023	0.28069	0.176174
0.05536	0.23246	0.005106	0.91237	0.124339	0.00714	0.038784	0.40304	0.158766
0.001242	0.97864	-0.00442	0.92413	0.091372	0.04845	0.026384	0.56954	0.078891
-0.03655	0.43065	-0.06303	0.17391	-0.00311	0.94656	-0.04197	0.36552	0.01541
-0.04569	0.32447	0.005477	0.90604	0.005368	0.9079	0.00284	0.95119	0.01415
0.018791	0.68546	-0.06645	0.15167	0.020497	0.65864	-0.03978	0.39111	0.068084
0.049553	0.28523	0.040478	0.3828	0.123848	0.00737	0.049938	0.2815	0.130286
0.045546	0.32603	0.009387	0.83967	0.06256	0.17714	0.016342	0.72467	0.075271
0.010925	0.81385	0.020304	0.66165	0.142505	0.00202	0.089199	0.05407	0.15955
-0.06972	0.13247	-0.03812	0.4112	0.00085	0.98539	0.034689	0.45455	0.031305
0.017756	0.70193	0.021191	0.64784	0.100432	0.03001	0.029486	0.52501	0.132429
0.091521	0.04808	0.000966	0.98339	0.098778	0.03283	0.034266	0.46007	0.142374
0.08023	0.08329	0.121431	0.00862	0.118459	0.0104	0.068033	0.14211	0.105853
0.010241	0.8253	-0.0227	0.62463	0.091164	0.04896	0.032023	0.48998	0.117797
-0.00468	0.91972	-0.04576	0.32374	0.076518	0.09863	0.02203	0.63489	0.087972
0.059378	0.20025	0.010972	0.81306	0.175278	0.00014	0.04501	0.33176	0.223464
0.04431	0.33935	0.051353	0.26807	0.119614	0.00967	0.079026	0.08803	0.103389
0.025261	0.58608	0.003402	0.94154	0.116096	0.01205	0.041913	0.36615	0.141522
-0.0976	0.03499	-0.15546	0.00075	-0.04578	0.32354	-0.11696	0.01143	0.015089
0.015805	0.73337	0.00666	0.88586	0.102123	0.02733	0.060779	0.18981	0.12252
0.007377	0.87368	0.071852	0.12101	0.046764	0.31325	0.034464	0.45749	0.108082
0.048202	0.29859	0.07664	0.09809	0.157235	0.00065	0.119428	0.00979	0.162076
0.004172	0.92835	-0.04626	0.31848	-0.00983	0.83216	-0.01585	0.73266	0.023494
0.092614	0.04546	-0.02725	0.55689	0.194778	2.25E-05	0.047065	0.31015	0.149915
0.033643	0.46828	-0.00741	0.87304	0.147761	0.00136	0.051493	0.26677	0.165728
-0.02849	0.53909	-0.03696	0.42548	-0.00438	0.92487	-0.03776	0.41554	-0.02384
0.060751	0.19002	0.04371	0.34593	0.088471	0.05607	0.03846	0.40698	0.096944

0.03294	0.47762	-0.02994	0.51859	0.055647	0.23004	-0.00302	0.94818	0.111615
0.088711	0.0554	0.017987	0.69824	0.144756	0.00171	0.076515	0.09864	0.166711
0.052504	0.25748	-0.05282	0.25461	0.062448	0.17791	-0.02277	0.62357	0.077555
0.049992	0.28098	-0.02009	0.66504	0.102141	0.0273	0.031567	0.49619	0.130984
0.011601	0.80255	-0.05407	0.24355	0.010785	0.81618	-0.04512	0.3306	0.071193
0.104974	0.02329	0.063271	0.17225	0.146499	0.0015	0.059332	0.20059	0.202952
0.129477	0.00507	0.037459	0.41932	0.19141	3.13E-05	0.090609	0.05036	0.227701
0.020179	0.6636	-0.03418	0.46121	0.094428	0.04138	0.035009	0.45039	0.105721
0.001417	0.97563	-0.0237	0.6094	0.052197	0.26028	-0.0034	0.94166	0.076973
0.039209	0.3979	0.030697	0.50814	0.129098	0.00521	0.053666	0.24709	0.097412
0.002496	0.95709	-0.04616	0.31958	0.07841	0.09055	0.015731	0.73456	0.082993
-0.04058	0.38156	-0.05246	0.25791	-0.05121	0.2694	-0.0779	0.09266	-0.04024
0.096108	0.03788	-0.09252	0.04568	0.021271	0.6466	-0.04346	0.34866	0.059946
0.027594	0.55196	0.026964	0.56108	0.069973	0.13106	0.008268	0.85858	0.128102
-0.01665	0.71974	0.010244	0.82526	-0.00845	0.85554	-0.02363	0.61054	-0.00485
-0.02119	0.64791	-0.02769	0.55059	-0.01108	0.81124	-0.01976	0.67015	-0.0422
0.04104	0.37623	0.033924	0.46457	0.131055	0.00456	0.063645	0.16972	0.153335
0.057659	0.21361	0.025905	0.57657	0.078307	0.09097	-0.00131	0.97752	0.183308
0.078798	0.08896	0.043053	0.35324	0.171832	0.00019	0.113845	0.01383	0.161401
-0.02703	0.56005	-0.03264	0.48164	0.155833	0.00073	0.096479	0.03714	0.182009
-0.03296	0.47736	0.047138	0.3094	0.004428	0.92396	0.011436	0.80531	0.078793
0.032009	0.49017	0.044331	0.33912	0.136869	0.00304	0.07025	0.12954	0.178182
0.055851	0.22834	0.061423	0.18515	0.175173	0.00014	0.093891	0.04256	0.204679
0.002668	0.95414	0.040178	0.38634	0.0679	0.1429	0.028504	0.53891	0.074364
0.054632	0.23867	0.010159	0.82668	0.118963	0.01008	0.086333	0.0623	0.117416
0.096516	0.03707	0.097205	0.03573	0.163683	0.00038	0.111296	0.01612	0.203789
0.027175	0.55801	0.017389	0.70781	0.122018	0.0083	0.04807	0.29991	0.148931
-0.24648	6.83E-08	-0.24384	9.50E-08	-0.06583	0.1555	-0.02055	0.65784	-0.10783
-0.22868	5.88E-07	-0.21725	2.15E-06	0.018976	0.68252	0.089102	0.05433	-0.00956
-0.21815	1.94E-06	-0.15584	0.00073	0.047426	0.30645	0.184193	6.23E-05	-0.02043
-0.01594	0.73115	-0.01134	0.80698	0.120063	0.0094	0.117087	0.01133	0.144027
-0.39601	5.51E-19	-0.3402	4.07E-14	-0.32182	1.03E-12	-0.1534	0.00088	-0.31926
-0.35309	3.70E-15	-0.34557	1.52E-14	-0.32184	1.03E-12	-0.21653	2.33E-06	-0.31843
-0.05648	0.22309	-0.15103	0.00106	0.036287	0.43403	-0.03356	0.46937	0.003554
-0.30745	1.11E-11	-0.34643	1.29E-14	-0.26298	7.94E-09	-0.12519	0.00675	-0.26184
-0.07424	0.10908	-0.05517	0.23406	0.077647	0.09374	0.057885	0.21181	0.070248
-0.194	2.43E-05	-0.24199	1.19E-07	-0.07523	0.10447	-0.06205	0.18073	-0.07928
-0.13037	0.00477	-0.28921	1.89E-10	-0.15155	0.00102	-0.18111	8.29E-05	-0.18227
-0.29217	1.21E-10	-0.27939	8.03E-10	-0.16955	0.00023	-0.02731	0.55602	-0.19795
-0.15777	0.00062	-0.25199	3.38E-08	0.110843	0.01656	0.09325	0.04399	0.070554
-0.27638	1.24E-09	-0.29793	5.00E-11	-0.17256	0.00018	-0.03286	0.47868	-0.2031
-0.0641	0.16667	-0.14551	0.00162	0.191307	3.16E-05	0.203347	9.47E-06	0.072055
-0.22232	1.22E-06	-0.04128	0.37347	-0.23178	4.10E-07	-0.08701	0.06026	-0.14339
0.124896	0.00688	0.021655	0.64067	0.363965	4.49E-16	0.432715	9.86E-23	0.150244
-0.13676	0.00306	-0.0891	0.05432	0.02538	0.58432	0.140762	0.0023	-0.03021

-0.22876	5.83E-07	-0.25265	3.11E-08	-0.02095	0.65165	-0.10241	0.0269	-0.02496
-0.26868	3.64E-09	-0.55249	1.12E-38	-0.21158	3.98E-06	-0.38794	3.20E-18	-0.22586
-0.22109	1.40E-06	-0.16051	0.0005	-0.1024	0.02691	-0.02703	0.56005	-0.09608
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-0.41396	9.25E-21	-0.34899	8.03E-15	-0.25334	2.84E-08	-0.20685	6.58E-06	-0.29857
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-0.1607	0.00049	-0.158	0.00061	-0.09939	0.03176	-0.02095	0.65158	-0.10943
-0.27421	1.68E-09	-0.19426	2.37E-05	-0.17196	0.00019	-0.06465	0.16305	-0.16461
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-0.14786	0.00135	-0.26093	1.05E-08	0.121642	0.0085	0.063267	0.17228	0.036304
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-0.13837	0.00273	-0.11462	0.01319	-0.11548	0.01252	-0.00229	0.96065	-0.15631
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-0.18084	8.50E-05	-0.14072	0.0023	-0.06011	0.19475	0.073826	0.1111	-0.12072
-0.21465	2.86E-06	-0.14322	0.00192	0.012477	0.788	0.154678	0.0008	-0.02711
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-0.24691	6.46E-08	-0.11457	0.01324	-0.03461	0.45556	0.095687	0.03873	-0.05739
-0.13362	0.00382	0.002935	0.94956	0.132888	0.00402	0.320594	1.27E-12	0.07324
-0.04486	0.33336	-0.04587	0.32257	0.093831	0.04269	0.061754	0.18279	0.07327
-0.1961	1.97E-05	-0.31714	2.27E-12	-0.1573	0.00065	-0.16662	0.0003	-0.183
-0.30071	3.24E-11	-0.24741	6.08E-08	-0.10912	0.01833	0.042278	0.36198	-0.14216
-0.25409	2.58E-08	-0.17335	0.00017	-0.19152	3.10E-05	-0.02191	0.63672	-0.30893
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-0.31059	6.67E-12	-0.34986	6.82E-15	-0.26732	4.40E-09	-0.18733	4.63E-05	-0.28975
-0.24674	6.61E-08	-0.35479	2.68E-15	-0.13767	0.00287	-0.13193	0.00429	-0.17046
-0.11422	0.01352	-0.23992	1.54E-07	-0.05192	0.2628	-0.15797	0.00061	-0.04194
-0.2316	4.18E-07	0.015072	0.7453	-0.18206	7.60E-05	0.089208	0.05404	-0.20289
-0.07937	0.08664	0.024946	0.59077	0.208258	5.67E-06	0.227066	7.10E-07	0.161891
-0.18283	7.07E-05	-0.12929	0.00514	-0.333	1.48E-13	-0.15119	0.00105	-0.22119
-0.29908	4.18E-11	-0.29516	7.67E-11	-0.24032	1.47E-07	-0.19443	2.33E-05	-0.23127
-0.08425	0.06892	-0.155	0.00078	0.046359	0.31746	0.020657	0.65614	0.018801
-0.08742	0.05907	-0.01423	0.75909	0.181269	8.17E-05	0.281107	6.27E-10	0.111097
-0.22109	1.40E-06	-0.11464	0.01318	0.013122	0.77731	0.194253	2.37E-05	-0.03423
-0.35108	5.42E-15	-0.37222	8.57E-17	-0.35656	1.91E-15	-0.21693	2.23E-06	-0.37088
-0.18123	8.19E-05	-0.16207	0.00044	0.064911	0.16138	0.108995	0.01847	0.050323
0.033119	0.47523	0.004836	0.91699	0.241174	1.32E-07	0.261958	9.11E-09	0.107745
-0.07224	0.11899	-0.30846	9.43E-12	0.136446	0.00313	0.03561	0.44266	0.051431
-0.10439	0.02407	-0.22333	1.09E-06	0.008247	0.85893	0.100515	0.02987	-0.01719
-0.16241	0.00043	-0.23496	2.81E-07	-0.09182	0.04735	-0.01114	0.81024	-0.16691
-0.0114	0.80587	-0.05518	0.23401	0.36204	6.56E-16	0.2625	8.47E-09	0.272269
-0.13147	0.00443	-0.2146	2.87E-06	-0.28619	2.97E-10	-0.18511	5.71E-05	-0.30598

-0.18802	4.34E-05	-0.19592	2.01E-05	-0.19159	3.08E-05	-0.06068	0.19056	-0.18651
-0.29796	4.98E-11	-0.16701	0.00029	-0.17542	0.00014	0.027607	0.55178	-0.20147
-0.00271	0.95341	-0.04728	0.30791	0.109603	0.01782	0.147881	0.00135	0.077758
-0.27784	1.00E-09	-0.10789	0.0197	-0.43861	2.23E-23	-0.17864	0.0001	-0.39155
-0.35256	4.10E-15	-0.20981	4.81E-06	-0.40303	1.15E-19	-0.20086	1.22E-05	-0.35318
-0.20949	4.98E-06	-0.25857	1.43E-08	-0.06052	0.19168	-0.02397	0.60544	-0.06516
-0.23098	4.50E-07	-0.19266	2.77E-05	0.017847	0.70048	0.08843	0.05618	-0.04445
0.121027	0.00884	0.021398	0.64464	0.388781	2.67E-18	0.28765	2.39E-10	0.293366
-0.28761	2.40E-10	-0.3353	9.84E-14	-0.19541	2.11E-05	-0.06701	0.14822	-0.2194
-0.168	0.00027	-0.14588	0.00157	-0.04839	0.29671	0.115002	0.01289	-0.1273
-0.30868	9.11E-12	-0.27093	2.67E-09	-0.44202	9.30E-24	-0.24357	9.82E-08	-0.452
-0.29786	5.05E-11	-0.1396	0.0025	-0.15351	0.00087	0.05092	0.27214	-0.19056
-0.09141	0.04835	-0.14947	0.0012	0.055423	0.23193	0.143351	0.0019	-0.03354
-0.15405	0.00084	0.016888	0.71586	0.046101	0.32017	0.20092	1.21E-05	-0.03752
-0.15956	0.00054	-0.09201	0.04691	0.13616	0.0032	0.161932	0.00044	0.09268
-0.22381	1.03E-06	-0.18641	5.05E-05	0.044991	0.33197	0.122841	0.00787	-0.04193
-0.20036	1.29E-05	-0.06225	0.17926	0.006752	0.8843	0.171668	0.00019	-0.05743
-0.25287	3.02E-08	-0.15975	0.00053	-0.01285	0.78179	0.11716	0.01128	-0.0736
-0.20659	6.76E-06	-0.16655	0.0003	-0.15221	0.00097	-0.02033	0.66121	-0.1303
-0.25791	1.56E-08	-0.20609	7.12E-06	-0.23193	4.02E-07	-0.12232	0.00814	-0.23998
-0.15948	0.00054	-0.13618	0.00319	-0.0497	0.28381	0.024425	0.59855	-0.0451
-0.26144	9.77E-09	-0.36115	7.81E-16	-0.27923	8.22E-10	-0.2644	6.55E-09	-0.36143
-0.08612	0.06295	-0.16015	0.00051	0.219231	1.73E-06	0.170405	0.00022	0.155259
-0.15843	0.00059	-0.27837	9.30E-10	-0.15861	0.00058	-0.1808	8.52E-05	-0.17051
-0.15038	0.00112	-0.13383	0.00376	-0.03347	0.47059	0.019154	0.67972	-0.00355
0.063005	0.17407	0.183887	6.41E-05	0.188436	4.17E-05	0.328531	3.25E-13	0.112386
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-0.45288	5.38E-25	-0.32434	6.70E-13	-0.3358	9.00E-14	-0.14056	0.00233	-0.34916
-0.1403	0.00237	-0.27107	2.62E-09	0.16938	0.00024	0.080895	0.08075	0.111233
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-0.06413	0.16647	0.120637	0.00907	0.119142	0.00997	0.18698	4.79E-05	0.14209
-0.2145	2.90E-06	-0.1019	0.02767	-0.19112	3.22E-05	0.050213	0.27886	-0.19084
0.126123	0.00635	0.081299	0.07925	0.096268	0.03756	0.027293	0.55631	0.166638
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-0.05174	0.26447	-0.0086	0.85299	0.015753	0.73421	0.090456	0.05076	0.01323
-0.08383	0.0703	0.019082	0.68085	0.092348	0.04609	0.155862	0.00073	0.11032
-0.01621	0.7268	0.058888	0.20399	0.057483	0.215	0.12723	0.0059	0.108234
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-0.2673	4.41E-09	-0.34276	2.55E-14	-0.3094	8.10E-12	-0.28274	4.94E-10	-0.27898
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-0.08839	0.05629	0.050197	0.27901	0.020372	0.66058	0.083032	0.07303	-0.03848
-0.42616	4.99E-22	-0.30138	2.92E-11	-0.27394	1.75E-09	-0.09666	0.03678	-0.29428
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-0.0314	0.49848	-0.11264	0.01487	0.163461	0.00039	0.257565	1.64E-08	0.056972
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-0.36225	6.29E-16	-0.19331	2.60E-05	-0.40702	4.62E-20	-0.1925	2.81E-05	-0.40556
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-0.25645	1.90E-08	-0.37149	9.94E-17	-0.14339	0.00189	-0.11363	0.01401	-0.17201
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-0.17754	0.00011	-0.16655	0.0003	-0.19333	2.59E-05	-0.08525	0.06566	-0.19904
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0.089422	0.05347	0.199223	1.44E-05	0.175761	0.00013	0.315889	2.79E-12	0.134119
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-0.14517	0.00166	-0.26424	6.70E-09	-0.03715	0.42318	0.010081	0.82799	-0.08381
-0.28348	4.43E-10	-0.26461	6.37E-09	-0.08074	0.08135	0.004053	0.9304	-0.12254
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-0.41023	2.21E-20	-0.44686	2.65E-24	-0.35819	1.39E-15	-0.23176	4.10E-07	-0.36901
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0.053784	0.24605	0.003825	0.93431	0.225174	8.82E-07	0.123951	0.00732	0.210256
0.087186	0.05975	0.01427	0.7584	0.207924	5.87E-06	-0.07112	0.12483	0.190764
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-0.21822	1.93E-06	-0.29567	7.09E-11	0.004688	0.91952	-0.01655	0.72131	-0.03808
-0.09466	0.04088	-0.04409	0.34174	0.169345	0.00024	0.253507	2.78E-08	0.082407
-0.09712	0.0359	-0.09288	0.04485	0.10006	0.03062	0.109675	0.01774	0.085235
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-0.31905	1.64E-12	-0.30055	3.32E-11	-0.2663	5.06E-09	-0.16064	0.00049	-0.26247
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-0.19957	1.39E-05	-0.2557	2.09E-08	-0.08567	0.06433	0.046607	0.31488	-0.16687
-0.32805	3.53E-13	-0.35072	5.80E-15	-0.19148	3.11E-05	-0.1278	0.00568	-0.19737
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-0.24366	9.72E-08	-0.1268	0.00607	-0.22425	9.81E-07	-0.04074	0.37971	-0.17996
-0.0674	0.14587	-0.00249	0.95717	0.084987	0.06651	0.224659	9.35E-07	0.033756
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0.348724	8.44E-15	0.301805	2.73E-11	0.625229	5.11E-52	0.419777	2.33E-21	0.477108
0.382963	9.23E-18	0.219122	1.75E-06	0.716883	7.43E-75	0.542833	3.82E-37	0.486312
0.394366	7.92E-19	0.133533	0.00384	0.654133	2.32E-58	0.32625	4.82E-13	0.455929
0.38222	1.08E-17	0.316139	2.68E-12	0.6576	3.61E-59	0.333943	1.25E-13	0.641949
0.358561	1.29E-15	0.257357	1.68E-08	0.665278	5.35E-61	0.411718	1.56E-20	0.483089
0.210578	4.43E-06	0.108074	0.01949	0.310761	6.49E-12	0.1396	0.0025	0.25749
0.411926	1.49E-20	-0.00081	0.98603	0.596892	2.05E-46	0.284395	3.87E-10	0.442304
0.385756	5.10E-18	0.263467	7.44E-09	0.375728	4.18E-17	0.207053	6.44E-06	0.323027

0.230118	4.98E-07	0.207839	5.93E-06	0.347168	1.13E-14	0.295169	7.66E-11	0.313916
0.367781	2.10E-16	0.280949	6.41E-10	0.662066	3.16E-60	0.434061	7.04E-23	0.555772
0.181936	7.68E-05	-0.035	0.45047	0.51382	7.98E-33	0.238629	1.80E-07	0.345087
0.520793	7.98E-34	0.330255	2.40E-13	0.825875	#####	0.507324	6.51E-32	0.673509
0.493872	4.37E-30	0.299972	3.64E-11	0.793482	#####	0.504875	1.42E-31	0.575331
0.235172	2.74E-07	-0.00295	0.94927	0.153148	0.0009	0.011047	0.8118	0.050763
0.481336	1.86E-28	0.462263	4.22E-26	0.759977	4.74E-89	0.596715	2.22E-46	0.624069
0.451097	8.65E-25	0.318097	1.93E-12	0.800568	#####	0.512396	1.27E-32	0.659404
0.317143	2.27E-12	0.195695	2.05E-05	0.390034	2.04E-18	0.296174	6.56E-11	0.243993
0.454736	3.27E-25	0.266528	4.90E-09	0.756353	9.61E-88	0.529273	4.50E-35	0.553155
0.27526	1.45E-09	0.158363	0.00059	0.312849	4.61E-12	0.068162	0.14136	0.314659
0.266638	4.83E-09	0.109112	0.01834	0.341786	3.05E-14	0.091671	0.04772	0.322017
0.39723	4.21E-19	0.138927	0.00262	0.68396	1.11E-65	0.365575	3.26E-16	0.471809
0.530519	2.93E-35	0.342423	2.71E-14	0.773367	4.34E-94	0.484922	6.47E-29	0.666865
0.401174	1.74E-19	0.12841	0.00545	0.445714	3.57E-24	0.14773	0.00137	0.340857
0.378612	2.30E-17	0.184608	5.99E-05	0.651876	7.68E-58	0.480739	2.22E-28	0.439577
0.409786	2.45E-20	0.29963	3.84E-11	0.7924	#####	0.516366	3.46E-33	0.628815
0.482609	1.28E-28	0.269703	3.16E-09	0.637656	1.16E-54	0.380396	1.58E-17	0.526274
0.349671	7.07E-15	0.099657	0.0313	0.564959	9.87E-41	0.272439	2.16E-09	0.401183
0.416618	4.95E-21	0.35892	1.21E-15	0.441114	1.17E-23	0.353941	3.15E-15	0.336067
0.423705	9.05E-22	0.246854	6.51E-08	0.73538	1.32E-80	0.422088	1.34E-21	0.594745
0.309925	7.44E-12	0.165771	0.00032	0.416207	5.45E-21	0.194875	2.23E-05	0.322006
0.579727	2.78E-43	0.245428	7.79E-08	0.715516	1.89E-74	0.378869	2.18E-17	0.570177
0.416074	5.63E-21	0.395948	5.59E-19	0.683535	1.43E-65	0.459973	7.92E-26	0.546914
0.392591	1.17E-18	0.187683	4.48E-05	0.575386	1.61E-42	0.239763	1.57E-07	0.488587
0.387733	3.34E-18	0.112634	0.01488	0.625966	3.59E-52	0.319831	1.44E-12	0.482102
0.272085	2.27E-09	0.228847	5.77E-07	0.623944	9.45E-52	0.381843	1.17E-17	0.463503
0.327902	3.62E-13	0.111164	0.01625	0.6953	1.06E-68	0.406123	5.68E-20	0.488637
0.29454	8.44E-11	0.106293	0.0216	0.580661	1.90E-43	0.286276	2.93E-10	0.496598
0.209906	4.76E-06	0.164099	0.00037	0.341488	3.22E-14	0.193655	2.51E-05	0.323948
0.370361	1.25E-16	0.148658	0.00127	0.546948	8.62E-38	0.316144	2.68E-12	0.323818
0.399864	2.34E-19	0.288444	2.12E-10	0.647585	7.29E-57	0.441067	1.19E-23	0.573797
0.252465	3.18E-08	0.072073	0.11986	0.641722	1.49E-55	0.425247	6.22E-22	0.425815
0.348985	8.04E-15	0.297632	5.24E-11	0.690976	1.56E-67	0.467326	1.03E-26	0.558763
0.507664	5.84E-32	0.419467	2.51E-21	0.751317	5.77E-86	0.557196	1.92E-39	0.620849
0.538088	2.08E-36	0.315683	2.89E-12	0.753198	1.26E-86	0.449265	1.41E-24	0.636265
0.326415	4.69E-13	0.160633	0.00049	0.711625	2.65E-73	0.4917	8.46E-30	0.516295
0.231787	4.09E-07	0.064205	0.16599	0.214901	2.78E-06	0.020434	0.65961	0.10101
0.422815	1.12E-21	0.360741	8.46E-16	0.690853	1.68E-67	0.496414	2.00E-30	0.551027
0.436034	4.28E-23	0.312284	5.06E-12	0.404416	8.39E-20	0.391192	1.58E-18	0.187838
0.380876	1.43E-17	0.4084	3.37E-20	0.521339	6.64E-34	0.471909	2.84E-27	0.326873
0.390856	1.70E-18	0.387389	3.60E-18	0.745058	8.19E-84	0.476757	7.07E-28	0.660252
0.20262	1.02E-05	-0.01069	0.81786	0.482038	1.52E-28	0.237588	2.05E-07	0.342665
0.287919	2.30E-10	0.295315	7.49E-11	0.456321	2.14E-25	0.305058	1.63E-11	0.326556
0.448887	1.55E-24	0.298253	4.76E-11	0.762922	3.95E-90	0.490154	1.35E-29	0.586588

0.460213	7.41E-26	0.259776	1.22E-08	0.618279	1.37E-50	0.422769	1.14E-21	0.36235
0.397806	3.70E-19	0.232524	3.75E-07	0.714489	3.82E-74	0.43576	4.59E-23	0.540136
0.353171	3.65E-15	0.285182	3.45E-10	0.709488	1.10E-72	0.530865	2.60E-35	0.526537
0.43541	5.01E-23	0.23948	1.63E-07	0.73523	1.47E-80	0.498635	1.01E-30	0.592434
0.36829	1.90E-16	0.274725	1.57E-09	0.455385	2.75E-25	0.388539	2.81E-18	0.28401
0.389624	2.22E-18	0.180662	8.64E-05	0.501143	4.60E-31	0.313222	4.34E-12	0.313406
0.595861	3.21E-46	0.570771	1.01E-41	0.841443	#####	0.76341	2.61E-90	0.653702
0.250539	4.08E-08	0.072611	0.11711	0.291204	1.40E-10	0.108515	0.01899	0.273768
0.418252	3.36E-21	0.19051	3.41E-05	0.681778	4.07E-65	0.381445	1.27E-17	0.486237
0.250941	3.87E-08	0.016804	0.71721	0.563026	2.08E-40	0.263273	7.63E-09	0.363946
0.349756	6.96E-15	0.125142	0.00677	0.545041	1.72E-37	0.37985	1.78E-17	0.347582
0.457156	1.70E-25	0.247774	5.80E-08	0.699208	8.95E-70	0.538687	1.68E-36	0.430777
0.367251	2.33E-16	0.218277	1.92E-06	0.736167	7.32E-81	0.485953	4.76E-29	0.530225
0.422521	1.21E-21	0.223795	1.03E-06	0.660481	7.54E-60	0.359197	1.14E-15	0.561699
0.361208	7.72E-16	0.068306	0.14052	0.676691	8.09E-64	0.431473	1.34E-22	0.46718
0.23095	4.51E-07	0.150186	0.00113	0.313353	4.25E-12	0.178253	0.00011	0.245861
0.323092	8.29E-13	0.220222	1.54E-06	0.44399	5.59E-24	0.297115	5.68E-11	0.282616
0.3974	4.05E-19	0.22051	1.50E-06	0.707252	4.86E-72	0.368052	1.99E-16	0.75184
0.267957	4.03E-09	0.153824	0.00085	0.496488	1.95E-30	0.453762	4.25E-25	0.276123
0.397487	3.98E-19	0.196641	1.87E-05	0.707221	4.96E-72	0.391708	1.42E-18	0.481904
0.36093	8.15E-16	0.21597	2.47E-06	0.692658	5.51E-68	0.390344	1.90E-18	0.526305
0.271543	2.45E-09	0.029291	0.52777	0.474198	1.48E-27	0.176741	0.00012	0.346128
0.373437	6.68E-17	0.20925	5.11E-06	0.412305	1.36E-20	0.208987	5.25E-06	0.362569
0.373138	7.10E-17	0.07308	0.11476	0.616549	3.06E-50	0.371479	9.96E-17	0.447674
0.263609	7.29E-09	0.254359	2.49E-08	0.405306	6.85E-20	0.296567	6.18E-11	0.28032
0.399733	2.41E-19	0.14156	0.00217	0.585321	2.78E-44	0.214303	2.97E-06	0.487923
0.333654	1.32E-13	0.079184	0.0874	0.578569	4.46E-43	0.253441	2.81E-08	0.476187
0.350637	5.89E-15	0.281327	6.07E-10	0.69661	4.65E-69	0.448023	1.95E-24	0.549168
0.266352	5.02E-09	0.06143	0.1851	0.444721	4.62E-24	0.128764	0.00532	0.342239
0.308204	9.83E-12	0.137051	0.003	0.479873	2.86E-28	0.22339	1.08E-06	0.346234
0.4805	2.38E-28	0.358632	1.28E-15	0.737911	1.97E-81	0.544534	2.07E-37	0.525881
0.449616	1.28E-24	0.304836	1.69E-11	0.713027	1.03E-73	0.477799	5.23E-28	0.49624
0.257236	1.71E-08	0.118633	0.01029	0.443757	5.94E-24	0.209594	4.92E-06	0.286757
0.351108	5.39E-15	0.137533	0.0029	0.641097	2.04E-55	0.339502	4.62E-14	0.480462
0.404948	7.43E-20	0.185021	5.76E-05	0.744866	9.52E-84	0.459373	9.33E-26	0.555264
0.4402	1.48E-23	0.185886	5.31E-05	0.569757	1.51E-41	0.243891	9.44E-08	0.566044
0.460415	7.02E-26	0.216762	2.27E-06	0.726082	1.17E-77	0.369105	1.61E-16	0.547141
0.244072	9.23E-08	0.125054	0.00681	0.524701	2.14E-34	0.244049	9.25E-08	0.429757
0.395096	6.74E-19	0.279479	7.93E-10	0.497149	1.59E-30	0.30711	1.17E-11	0.351182
0.444062	5.49E-24	0.29324	1.03E-10	0.715296	2.20E-74	0.368911	1.67E-16	0.615412
0.463394	3.09E-26	0.345642	1.50E-14	0.67613	1.12E-63	0.448591	1.68E-24	0.53196
0.454289	3.69E-25	0.351936	4.61E-15	0.745292	6.82E-84	0.475589	9.90E-28	0.581964
0.341172	3.41E-14	0.080904	0.08072	0.513805	8.02E-33	0.189687	3.70E-05	0.431283
0.45318	4.97E-25	0.377901	2.67E-17	0.697368	2.88E-69	0.664177	9.87E-61	0.442272
0.36141	7.42E-16	0.229816	5.16E-07	0.649607	2.54E-57	0.345236	1.62E-14	0.553199

0.410638	2.01E-20	0.201886	1.10E-05	0.588395	7.69E-45	0.254233	2.53E-08	0.53493
0.41202	1.46E-20	0.231697	4.13E-07	0.747801	9.51E-85	0.431925	1.20E-22	0.600095
0.338265	5.78E-14	0.192667	2.77E-05	0.483197	1.08E-28	0.241658	1.24E-07	0.349403
0.448472	1.73E-24	0.471197	3.47E-27	0.714458	3.90E-74	0.628303	1.16E-52	0.554539
0.413509	1.03E-20	0.393988	8.60E-19	0.698536	1.37E-69	0.714106	4.95E-74	0.421053
0.35038	6.19E-15	0.159145	0.00056	0.591827	1.80E-45	0.183332	6.75E-05	0.661055
0.447531	2.22E-24	0.39943	2.58E-19	0.676062	1.17E-63	0.4375	2.95E-23	0.602904
0.364443	4.08E-16	0.267339	4.39E-09	0.612474	2.00E-49	0.541337	6.54E-37	0.388398
0.400281	2.13E-19	0.293462	9.95E-11	0.72347	7.53E-77	0.62666	2.57E-52	0.477251
0.495607	2.56E-30	0.384999	6.00E-18	0.770196	7.27E-93	0.61099	3.94E-49	0.548849
0.303975	1.94E-11	0.15499	0.00078	0.553824	6.82E-39	0.285023	3.53E-10	0.441693
0.487026	3.46E-29	0.425689	5.59E-22	0.779036	2.50E-96	0.60104	3.37E-47	0.621429
0.4957	2.49E-30	0.368445	1.84E-16	0.846444	#####	0.566233	6.02E-41	0.678127
0.374091	5.85E-17	0.280107	7.24E-10	0.708242	2.53E-72	0.658313	2.45E-59	0.435961
0.411521	1.64E-20	0.405601	6.40E-20	0.785045	8.95E-99	0.612275	2.19E-49	0.626542
0.379676	1.84E-17	0.224921	9.08E-07	0.603569	1.10E-47	0.527437	8.45E-35	0.328693
0.307954	1.02E-11	0.054026	0.24392	0.539684	1.18E-36	0.241554	1.26E-07	0.366633
0.341308	3.33E-14	0.071884	0.12084	0.46616	1.43E-26	0.202191	1.07E-05	0.39439
0.372546	8.02E-17	0.180498	8.77E-05	0.515823	4.14E-33	0.30374	2.01E-11	0.317349
0.338182	5.87E-14	0.174824	0.00015	0.583606	5.66E-44	0.326843	4.35E-13	0.425666
0.472644	2.30E-27	0.368546	1.80E-16	0.820971	#####	0.59577	3.33E-46	0.657345
0.366157	2.90E-16	0.300765	3.21E-11	0.374144	5.78E-17	0.336049	8.61E-14	0.355828
0.391434	1.50E-18	0.18041	8.84E-05	0.514553	6.28E-33	0.240639	1.41E-07	0.320389
0.327885	3.63E-13	0.158399	0.00059	0.60436	7.76E-48	0.271734	2.38E-09	0.466195
0.467885	8.85E-27	0.412388	1.34E-20	0.810667	#####	0.640939	2.22E-55	0.665233
0.45535	2.78E-25	0.268097	3.95E-09	0.721011	4.24E-76	0.465865	1.56E-26	0.52773
0.353775	3.25E-15	0.155519	0.00075	0.733338	6.00E-80	0.49834	1.10E-30	0.518047
0.455761	2.48E-25	0.408928	2.98E-20	0.706721	6.89E-72	0.523863	2.84E-34	0.55897
0.350206	6.39E-15	0.135273	0.0034	0.697064	3.49E-69	0.387462	3.54E-18	0.517667
0.409792	2.44E-20	0.231733	4.12E-07	0.59733	1.70E-46	0.325128	5.85E-13	0.446167
0.455018	3.04E-25	0.359805	1.02E-15	0.693044	4.33E-68	0.417854	3.69E-21	0.803278
0.483923	8.70E-29	0.4272	3.86E-22	0.80216	#####	0.628741	9.41E-53	0.579312
0.316739	2.42E-12	0.134217	0.00366	0.339368	4.73E-14	0.101564	0.02819	0.304258
0.489697	1.55E-29	0.311742	5.53E-12	0.707086	5.42E-72	0.500573	5.50E-31	0.57503
0.353391	3.50E-15	0.165132	0.00034	0.528766	5.36E-35	0.225758	8.25E-07	0.42873
0.338823	5.23E-14	0.25762	1.62E-08	0.395084	6.76E-19	0.331916	1.79E-13	0.157779
0.262565	8.40E-09	0.093486	0.04346	0.356923	1.78E-15	0.235722	2.56E-07	0.158244
0.196824	1.84E-05	-0.13346	0.00386	0.436783	3.54E-23	0.277947	9.89E-10	0.178439
0.494669	3.42E-30	0.294049	9.10E-11	0.728926	1.52E-78	0.486358	4.22E-29	0.524238
0.494183	3.97E-30	0.383061	9.04E-18	0.736771	4.65E-81	0.518375	1.78E-33	0.58275
0.431405	1.37E-22	0.267346	4.38E-09	0.585242	2.87E-44	0.347643	1.03E-14	0.4309
0.287227	2.55E-10	0.006139	0.89474	0.618865	1.04E-50	0.253706	2.71E-08	0.456738
0.393461	9.66E-19	0.284939	3.57E-10	0.633619	8.65E-54	0.396233	5.25E-19	0.500897
0.433735	7.64E-23	0.315469	2.99E-12	0.783854	2.77E-98	0.57787	5.92E-43	0.589702
0.510393	2.43E-32	0.358279	1.37E-15	0.77924	2.07E-96	0.496354	2.04E-30	0.804315

0.319711	1.47E-12	0.187577	4.52E-05	0.5681	2.90E-41	0.266306	5.05E-09	0.5055
0.317498	2.13E-12	0.154943	0.00078	0.636323	2.26E-54	0.341796	3.04E-14	0.524231
0.368839	1.70E-16	0.318172	1.91E-12	0.628677	9.71E-53	0.401062	1.79E-19	0.488969
0.220054	1.57E-06	0.083981	0.0698	0.260469	1.11E-08	0.125593	0.00658	0.221358
0.435072	5.46E-23	0.276081	1.29E-09	0.754491	4.42E-87	0.452285	6.31E-25	0.611419
0.355008	2.57E-15	0.268099	3.95E-09	0.675331	1.78E-63	0.38499	6.01E-18	0.525952
0.386928	3.97E-18	0.370239	1.28E-16	0.723592	6.91E-77	0.478418	4.37E-28	0.565522
0.444937	4.37E-24	0.174847	0.00015	0.577632	6.52E-43	0.305169	1.60E-11	0.459099
0.422762	1.14E-21	0.369035	1.63E-16	0.765994	2.84E-91	0.689444	4.00E-67	0.548314
0.291909	1.26E-10	0.191561	3.08E-05	0.370181	1.30E-16	0.27812	9.64E-10	0.231933
0.339256	4.83E-14	0.063055	0.17372	0.528315	6.26E-35	0.222556	1.19E-06	0.391316
0.045644	0.32499	-0.1565	0.00069	0.012427	0.78882	-0.1088	0.01868	-0.00904
-0.02709	0.55929	-0.07024	0.12959	-0.01885	0.68449	-0.03718	0.42276	-0.0937
0.21494	2.77E-06	0.072137	0.11953	0.08299	0.07318	0.168478	0.00025	0.047722
-0.01101	0.81244	-0.05886	0.20419	-0.05489	0.23646	-0.05316	0.25153	-0.07674
0.016902	0.71563	-0.05963	0.19836	-0.03811	0.41132	-0.08475	0.06729	-0.09474
0.006848	0.88267	-0.03948	0.39465	-0.09	0.05193	-0.12558	0.00658	-0.05066
0.050561	0.27554	-0.1561	0.00071	-0.03637	0.43298	-0.0872	0.05971	-0.11724
0.022125	0.63343	-0.01663	0.72002	0.034786	0.45329	-0.02325	0.61625	0.072973
0.046689	0.31403	5.69E-05	0.99902	0.059862	0.19659	0.007372	0.87377	0.001829
-0.08298	0.07322	-0.06769	0.14416	-0.04533	0.32839	-0.0581	0.21008	-0.09303
-0.18934	3.82E-05	-0.20568	7.43E-06	-0.1425	0.00202	-0.17879	0.0001	-0.14068
0.0432	0.3516	0.028335	0.54132	0.066542	0.15108	0.036837	0.42709	0.019081
-0.04962	0.28456	-0.07922	0.08726	0.009348	0.84033	-0.0558	0.22877	-0.03295
0.087532	0.05874	0.006393	0.89041	0.101907	0.02766	0.048421	0.29639	0.02349
0.025374	0.58441	-0.04268	0.35748	0.005845	0.89975	0.021188	0.64789	-0.02914
-0.06714	0.14741	-0.07929	0.08697	0.008084	0.86169	0.030808	0.50661	-0.04272
0.134928	0.00348	0.072294	0.11873	0.189837	3.64E-05	0.116172	0.012	0.145761
-0.04152	0.37067	0.050872	0.27259	-0.03653	0.4309	-0.00854	0.85395	-0.07297
0.036116	0.43619	-0.00777	0.86703	0.070684	0.12718	0.030418	0.512	-0.07496
0.018949	0.68296	-0.11472	0.01311	0.100289	0.03024	-0.01903	0.6816	-0.01527
0.069273	0.13497	0.003597	0.93821	0.132575	0.0041	0.046386	0.31719	0.12234
-0.0262	0.5723	-0.11252	0.01498	0.024135	0.6029	-0.08948	0.0533	0.039226
0.083487	0.07147	-0.03743	0.41964	0.140129	0.0024	-0.07308	0.11476	0.128539
-0.03734	0.42084	-0.01684	0.71664	-0.00778	0.86676	-0.15904	0.00056	-0.00405
-0.05902	0.20294	-0.06662	0.1506	-0.00693	0.88119	-0.09151	0.04811	-0.03002
-0.00397	0.93178	-0.10758	0.02005	-0.03042	0.51198	-0.08384	0.07028	-0.08356
0.002916	0.94988	0.004389	0.92464	0.063918	0.1679	0.028237	0.54273	0.012144
-0.07796	0.09243	-0.13169	0.00436	-0.07051	0.12811	-0.04685	0.31232	-0.09388
-0.20273	1.01E-05	-0.12957	0.00504	-0.06794	0.14267	-0.08774	0.05815	-0.10966
-0.0945	0.04123	-0.13158	0.0044	-0.14092	0.00227	-0.17343	0.00017	-0.14832
-0.06881	0.13759	-0.12539	0.00667	-0.10782	0.01977	-0.17331	0.00017	-0.13727
-0.1787	0.0001	-0.08271	0.07415	-0.15394	0.00084	-0.2133	3.31E-06	-0.17821
0.019926	0.66757	0.000576	0.99009	0.031983	0.49052	-0.00501	0.91397	0.032156
0.033919	0.46463	-0.02544	0.58336	0.039527	0.39409	0.004478	0.92311	-0.00916

0.064115	0.16659	0.025331	0.58505	0.094117	0.04206	0.045623	0.32522	0.036866
-0.03534	0.44616	-0.1316	0.00439	-0.07349	0.11273	-0.17243	0.00018	-0.10542
-0.07602	0.10083	-0.2076	6.08E-06	-0.08298	0.07321	-0.19637	1.92E-05	-0.12576
-0.05913	0.20215	-0.19082	3.31E-05	-0.13269	0.00407	-0.20732	6.26E-06	-0.1496
-0.05484	0.23689	-0.14911	0.00123	-0.09839	0.03353	-0.14026	0.00238	-0.13582
0.111985	0.01547	0.042895	0.35501	0.040687	0.38035	0.024937	0.5909	0.011035
-0.08807	0.05718	-0.12652	0.00618	-0.0461	0.32014	-0.10434	0.02413	-0.03212
-0.0972	0.03575	-0.09332	0.04383	-0.08697	0.0604	-0.14352	0.00188	-0.10604
0.090794	0.0499	0.026885	0.56222	0.04171	0.36847	0.023549	0.61173	0.026318
-0.02271	0.62451	-0.08074	0.08135	-0.04613	0.31988	-0.11327	0.01432	-0.07945
0.003086	0.94697	0.002023	0.96522	0.040278	0.38516	0.014842	0.74905	-0.00693
0.034947	0.4512	0.033755	0.46679	0.079258	0.0871	0.047338	0.30735	0.04333
-0.01439	0.7564	-0.03233	0.48584	-0.0019	0.96731	-0.02418	0.60215	-0.04414
-0.00586	0.89943	0.008448	0.85552	0.02831	0.54169	0.013893	0.76461	-0.02252
-0.00764	0.86918	-0.052	0.26206	0.058293	0.2086	-0.01252	0.78724	-0.00054
-0.17172	0.00019	-0.12241	0.00809	-0.13502	0.00346	-0.17593	0.00013	-0.09172
-0.00235	0.95957	-0.11353	0.0141	-0.0632	0.17271	-0.18276	7.11E-05	-0.04639
0.05192	0.26282	0.082475	0.07498	0.092764	0.04511	0.086016	0.06327	0.085936
0.099173	0.03214	0.016729	0.71842	0.00718	0.87703	0.03542	0.44509	-0.06701
-0.03138	0.4988	-0.05899	0.2032	-0.07153	0.12266	-0.1796	9.52E-05	0.025478
-0.03517	0.44836	-0.15518	0.00077	-0.04521	0.32967	-0.13853	0.0027	-0.059
0.043112	0.35258	-0.10272	0.02644	-0.06813	0.14156	-0.14914	0.00123	-0.04148
-0.07031	0.12923	-0.10483	0.02348	-0.20728	6.29E-06	-0.26036	1.13E-08	-0.19041
0.049183	0.28885	-0.04971	0.28367	0.041489	0.37102	-0.09526	0.03962	0.033161
-0.12783	0.00567	-0.16573	0.00032	-0.10063	0.02968	-0.11659	0.01169	-0.10603
-0.18556	5.48E-05	-0.23485	2.84E-07	-0.25022	4.25E-08	-0.28069	6.66E-10	-0.19771
0.05786	0.21201	-0.01274	0.78357	0.022134	0.63329	-0.00853	0.85417	-0.03419
0.036049	0.43704	-0.06712	0.14754	0.076223	0.09993	-0.07747	0.09451	-0.03403
-0.02718	0.55797	-0.01935	0.67657	-0.04942	0.28648	-0.13469	0.00354	-0.03795
-0.03421	0.46085	-0.1403	0.00238	-0.02643	0.56886	-0.07207	0.11986	-0.08771
-0.01094	0.81353	-0.08815	0.05698	-0.00027	0.99541	-0.04761	0.30453	-0.05221
-0.0875	0.05884	-0.09262	0.04545	-0.09622	0.03765	-0.12332	0.00763	-0.065
-0.04118	0.37456	0.026715	0.5647	-0.1291	0.0052	-0.17125	0.0002	-0.15728
-0.05304	0.25264	-0.04365	0.34665	-0.11487	0.013	-0.09227	0.04627	-0.16072
0.033385	0.4717	-0.12023	0.0093	-0.13856	0.00269	-0.16847	0.00026	-0.142
-0.04785	0.30214	-0.13846	0.00271	-0.07215	0.11947	-0.14719	0.00142	-0.04634
0.044629	0.33588	-0.01339	0.77297	-0.11396	0.01374	-0.12517	0.00676	-0.11398
0.05416	0.24275	-0.08523	0.06574	-0.12136	0.00866	-0.23807	1.93E-07	-0.10489
-0.06887	0.13728	-0.0901	0.05169	-0.12359	0.0075	-0.17592	0.00013	-0.14463
-0.01932	0.67717	-0.10161	0.02812	-0.10173	0.02793	-0.147	0.00145	-0.06952
-0.03703	0.42461	-0.02568	0.57991	0.045385	0.32775	0.023502	0.61244	-0.01298
0.112727	0.0148	-0.03058	0.50975	0.091156	0.04899	0.038872	0.40197	0.081199
0.011598	0.8026	-0.05725	0.21689	0.037525	0.41849	-0.00128	0.97797	0.000329
0.013607	0.76931	-0.10884	0.01864	0.065853	0.15537	-0.03414	0.46171	0.020035
0.125486	0.00662	0.060476	0.19203	0.198831	1.50E-05	0.081265	0.07937	0.10757

0.052474	0.25775	-0.10558	0.0225	0.080176	0.08349	-0.00131	0.97746	-0.04948
-0.10433	0.02416	-0.12408	0.00726	-0.18748	4.57E-05	-0.19645	1.91E-05	-0.0863
-0.01395	0.76367	-0.01067	0.81807	0.043527	0.34796	0.060086	0.19492	-0.03324
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0.039241	0.39752	-0.03604	0.43713	0.039781	0.39105	0.006925	0.88136	-0.00771
-0.06099	0.18825	-0.07116	0.12462	0.007441	0.87259	-0.01917	0.6794	-0.03656
0.025992	0.57528	-0.01568	0.73542	0.056633	0.22188	0.03421	0.46081	0.005971
0.003706	0.93633	-0.10295	0.02611	-0.07839	0.09062	-0.11993	0.00948	-0.09945
0.000347	0.99403	-0.10679	0.02098	-0.07223	0.11905	-0.11975	0.00959	-0.11922
0.050342	0.27762	-0.0758	0.10183	-0.03114	0.50209	-0.07905	0.08794	-0.07701
0.041103	0.37549	-0.01042	0.82234	0.012567	0.7865	0.009793	0.83283	-0.02726
0.019894	0.66806	-0.07282	0.11608	-0.02527	0.58591	-0.05582	0.2286	-0.09477
-0.03944	0.39511	-0.10674	0.02105	-0.05702	0.21873	-0.089	0.05462	-0.09253
-0.01234	0.79034	-0.08772	0.0582	-0.01863	0.68803	-0.03237	0.48526	-0.06777
-0.01083	0.81536	-0.09355	0.04333	-0.04255	0.35891	-0.08717	0.0598	-0.07088
-0.04496	0.33228	-0.10692	0.02084	-0.03821	0.41001	-0.08837	0.05636	-0.08501
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0.09482	0.04054	-0.03192	0.49134	0.053209	0.25114	-0.02364	0.61029	0.037809
0.068301	0.14054	-0.02567	0.58003	0.083491	0.07146	0.007951	0.86394	0.018053
-0.03374	0.46697	-0.14122	0.00222	-0.08081	0.08107	-0.11001	0.01739	-0.09106
0.015675	0.73547	-0.09195	0.04704	0.040051	0.38785	-0.05494	0.23601	0.003449
-0.09166	0.04774	-0.2425	1.12E-07	-0.15684	0.00067	-0.21298	3.42E-06	-0.23271
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0.062957	0.1744	-0.05511	0.2346	-0.02509	0.58859	-0.03521	0.44785	-0.06755
0.006437	0.88966	-0.10511	0.02311	0.008337	0.8574	-0.03145	0.49776	-0.05357
0.131793	0.00433	-0.1081	0.01945	0.121076	0.00882	-0.05045	0.27655	0.094332
0.615539	4.89E-50	0.283747	4.26E-10	0.665301	5.28E-61	0.512265	1.32E-32	0.51923
0.45339	4.70E-25	-0.04999	0.28102	0.373923	6.05E-17	0.136768	0.00306	0.367104
0.651657	8.62E-58	0.245295	7.92E-08	0.701281	2.37E-70	0.485856	4.90E-29	0.550645
0.604909	6.08E-48	0.132259	0.0042	0.361274	7.62E-16	0.237246	2.13E-07	0.236681
0.65015	1.91E-57	0.223858	1.02E-06	0.496399	2.01E-30	0.46845	7.55E-27	0.310944
0.650303	1.76E-57	0.298677	4.45E-11	0.583659	5.54E-44	0.56984	1.46E-41	0.499214
0.463257	3.21E-26	-0.23234	3.83E-07	0.288214	2.20E-10	0.00809	0.86158	0.22371
0.501351	4.31E-31	0.043358	0.34984	0.21386	3.11E-06	0.074779	0.10654	0.151236
0.580314	2.19E-43	0.186408	5.05E-05	0.563963	1.45E-40	0.482582	1.29E-28	0.472367
0.674215	3.39E-63	0.201006	1.20E-05	0.626331	3.01E-52	0.386385	4.46E-18	0.459166
0.421067	1.71E-21	0.14628	0.00153	0.337998	6.07E-14	0.272587	2.12E-09	0.276046
0.700585	3.71E-70	0.450759	9.47E-25	0.71802	3.40E-75	0.650822	1.34E-57	0.611186
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0.438483	2.30E-23	-0.05847	0.20719	0.250499	4.10E-08	0.090654	0.05025	0.204731
0.710894	4.32E-73	0.44471	4.63E-24	0.626506	2.77E-52	0.630907	3.28E-53	0.511394
0.54526	1.59E-37	0.284629	3.74E-10	0.622877	1.57E-51	0.558536	1.16E-39	0.547503
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0.394436	7.80E-19	-0.03278	0.47978	0.382862	9.43E-18	0.286801	2.71E-10	0.243649
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0.72818	2.60E-78	0.376457	3.59E-17	0.814877	#####	0.604413	7.58E-48	0.651419
0.525944	1.41E-34	0.252026	3.37E-08	0.653756	2.83E-58	0.494655	3.43E-30	0.52504
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0.484382	7.59E-29	0.217976	1.98E-06	0.17663	0.00012	0.308955	8.71E-12	0.188826
0.684169	9.76E-66	0.322842	8.66E-13	0.642498	1.00E-55	0.598388	1.07E-46	0.497659
0.605334	5.03E-48	0.191096	3.23E-05	0.481453	1.80E-28	0.362923	5.51E-16	0.382396
0.742767	4.85E-83	0.346228	1.34E-14	0.737129	3.55E-81	0.519204	1.35E-33	0.575542
0.697575	2.52E-69	0.229086	5.61E-07	0.61361	1.19E-49	0.377545	2.87E-17	0.529726
0.348242	9.24E-15	-0.08835	0.05641	0.248689	5.16E-08	0.090815	0.04984	0.201551
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0.32546	5.53E-13	-0.00104	0.98203	0.228883	5.75E-07	0.104224	0.0243	0.109974
0.606445	3.06E-48	0.217272	2.14E-06	0.688209	8.49E-67	0.49134	9.44E-30	0.561155
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0.707657	3.72E-72	0.34814	9.42E-15	0.704644	2.69E-71	0.564026	1.42E-40	0.583589
0.363152	5.27E-16	-0.05113	0.27016	0.155345	0.00076	0.168842	0.00025	0.055597
0.414457	8.24E-21	-0.06538	0.15836	0.284595	3.76E-10	0.212172	3.74E-06	0.156317
0.657544	3.72E-59	0.31124	6.01E-12	0.513114	1.01E-32	0.497293	1.52E-30	0.371721
0.592006	1.67E-45	0.096374	0.03735	0.490581	1.19E-29	0.212076	3.77E-06	0.469915
0.647657	7.02E-57	0.265479	5.66E-09	0.563489	1.74E-40	0.501211	4.50E-31	0.434338
0.639664	4.22E-55	0.27819	9.55E-10	0.596708	2.22E-46	0.458232	1.27E-25	0.523658
0.340373	3.94E-14	-0.18813	4.29E-05	0.227003	7.15E-07	0.037263	0.42175	0.210899
0.479582	3.11E-28	0.122957	0.00781	0.442661	7.88E-24	0.411426	1.67E-20	0.309461
0.503558	2.15E-31	0.122247	0.00818	0.352641	4.03E-15	0.203503	9.32E-06	0.271568
0.57701	8.38E-43	0.148251	0.00131	0.564837	1.03E-40	0.45557	2.62E-25	0.438914
0.626801	2.40E-52	0.128895	0.00528	0.564652	1.11E-40	0.297215	5.59E-11	0.430977
0.631269	2.75E-53	0.16013	0.00051	0.455096	2.97E-25	0.384818	6.23E-18	0.31055
0.690551	2.02E-67	0.149842	0.00116	0.466819	1.19E-26	0.276537	1.21E-09	0.321992
0.433274	8.57E-23	0.095538	0.03904	0.350273	6.31E-15	0.347365	1.09E-14	0.20093
0.647613	7.18E-57	0.254526	2.44E-08	0.561405	3.88E-40	0.398609	3.10E-19	0.456958
0.270783	2.72E-09	0.002878	0.95054	0.253534	2.77E-08	0.238629	1.80E-07	0.175937
0.432661	9.99E-23	-0.00743	0.87283	0.318397	1.84E-12	0.220222	1.54E-06	0.314831
0.615454	5.08E-50	0.212675	3.54E-06	0.608204	1.39E-48	0.486208	4.41E-29	0.45334
0.626179	3.24E-52	0.049163	0.28905	0.380735	1.48E-17	0.218377	1.90E-06	0.208645
0.291272	1.39E-10	-0.11733	0.01116	0.254792	2.35E-08	0.196222	1.95E-05	0.06313
0.331409	1.96E-13	-0.05442	0.24052	0.261753	9.37E-09	0.065689	0.1564	0.169874
0.457899	1.39E-25	-0.02614	0.57307	0.340477	3.87E-14	0.142214	0.00207	0.231197
0.541094	7.14E-37	-0.03209	0.48907	0.245163	8.05E-08	0.088186	0.05687	0.162987
0.646274	1.44E-56	0.452939	5.30E-25	0.562075	3.00E-40	0.517181	2.65E-33	0.512429

0.439925	1.59E-23	-0.02593	0.57619	0.309863	7.51E-12	0.225316	8.68E-07	0.254765
0.316728	2.43E-12	-0.14964	0.00118	0.056985	0.21902	-0.04852	0.29543	0.071835
0.534101	8.45E-36	0.146174	0.00154	0.245049	8.17E-08	0.23665	2.29E-07	0.191076
0.454289	3.69E-25	-0.06377	0.16889	0.232585	3.72E-07	0.087914	0.05764	0.110884
0.308384	9.55E-12	-0.1488	0.00126	0.14533	0.00164	0.051877	0.26321	0.121773
0.625313	4.91E-52	0.218688	1.83E-06	0.591711	1.89E-45	0.379152	2.05E-17	0.52585
0.759621	6.38E-89	0.290338	1.60E-10	0.624287	8.02E-52	0.408763	3.10E-20	0.536843
0.409382	2.69E-20	-0.07674	0.09765	0.25899	1.35E-08	0.140648	0.00232	0.260462
0.627618	1.62E-52	0.308042	1.01E-11	0.782234	1.28E-97	0.555361	3.84E-39	0.665818
0.625093	5.46E-52	0.363292	5.13E-16	0.514446	6.51E-33	0.50067	5.34E-31	0.458
0.542388	4.49E-37	0.223968	1.01E-06	0.404034	9.15E-20	0.2205	1.50E-06	0.403944
0.640301	3.06E-55	0.183417	6.69E-05	0.641939	1.33E-55	0.458947	1.05E-25	0.538513
0.421276	1.63E-21	0.10724	0.02045	0.428295	2.95E-22	0.39418	8.25E-19	0.238433
0.429573	2.15E-22	-0.01046	0.82159	0.547675	6.61E-38	0.315271	3.09E-12	0.397045
0.756013	1.27E-87	0.326828	4.36E-13	0.592855	1.16E-45	0.415184	6.94E-21	0.51648
0.444367	5.07E-24	0.180317	8.91E-05	0.672082	1.15E-62	0.525804	1.47E-34	0.575811
0.543931	2.58E-37	0.092181	0.04649	0.442503	8.21E-24	0.388963	2.57E-18	0.39327
0.618721	1.11E-50	0.246126	7.14E-08	0.475097	1.14E-27	0.333618	1.33E-13	0.430008
0.511986	1.45E-32	0.253986	2.61E-08	0.439973	1.57E-23	0.428743	2.64E-22	0.40542
0.687002	1.77E-66	0.36902	1.64E-16	0.728325	2.34E-78	0.549781	3.05E-38	0.615103
0.662155	3.01E-60	0.267077	4.55E-09	0.642399	1.05E-55	0.482304	1.40E-28	0.515268
0.605796	4.09E-48	0.074366	0.1085	0.423188	1.03E-21	0.351204	5.29E-15	0.298193
0.630981	3.16E-53	0.263028	7.89E-09	0.456219	2.20E-25	0.426666	4.40E-22	0.326473
0.631837	2.08E-53	0.223522	1.06E-06	0.748208	6.89E-85	0.535503	5.17E-36	0.599609
0.350401	6.16E-15	-0.02692	0.56167	0.252491	3.17E-08	0.125955	0.00642	0.212501
0.346536	1.27E-14	-0.12099	0.00886	0.21877	1.82E-06	0.048585	0.29476	0.11297
0.440904	1.24E-23	0.019335	0.67686	0.519076	1.41E-33	0.343188	2.36E-14	0.360231
0.750535	1.08E-85	0.263166	7.75E-09	0.500915	4.94E-31	0.29104	1.44E-10	0.432233
0.74032	3.17E-82	0.283208	4.61E-10	0.657765	3.30E-59	0.444721	4.62E-24	0.534562
0.455652	2.56E-25	0.054828	0.23699	0.28805	2.25E-10	0.107094	0.02062	0.276818
0.699071	9.76E-70	0.334036	1.23E-13	0.600275	4.71E-47	0.506386	8.78E-32	0.482955
0.593728	8.01E-46	0.246345	6.94E-08	0.605268	5.18E-48	0.522703	4.20E-34	0.49293
0.738956	8.94E-82	0.367264	2.33E-16	0.716982	6.94E-75	0.60511	5.56E-48	0.576728
0.671475	1.63E-62	0.040694	0.38026	0.475525	1.01E-27	0.171971	0.00019	0.383393
0.538185	2.01E-36	0.196958	1.81E-05	0.645865	1.78E-56	0.615005	6.26E-50	0.450113
0.581172	1.54E-43	0.138547	0.0027	0.367755	2.11E-16	0.189155	3.89E-05	0.315229
0.617741	1.76E-50	0.183663	6.54E-05	0.626081	3.40E-52	0.323274	8.04E-13	0.557589
0.168463	0.00026	-0.08369	0.07078	0.053707	0.24673	0.136415	0.00314	0.050509
0.5567	2.32E-39	0.130574	0.00471	0.703545	5.49E-71	0.46889	6.67E-27	0.564332
0.635639	3.18E-54	0.223752	1.04E-06	0.394231	8.16E-19	0.170591	0.00021	0.371475
0.659458	1.32E-59	0.226559	7.52E-07	0.409436	2.65E-20	0.335186	1.00E-13	0.324703
0.496877	1.73E-30	-0.12108	0.00881	0.208332	5.63E-06	-0.07325	0.11393	0.195894
0.676568	8.69E-64	0.324947	6.04E-13	0.643182	7.07E-56	0.499461	7.78E-31	0.512976
0.582985	7.31E-44	0.292698	1.12E-10	0.568118	2.88E-41	0.603412	1.18E-47	0.434215
0.650532	1.56E-57	0.158374	0.00059	0.670106	3.55E-62	0.431597	1.30E-22	0.567492

0.589224	5.43E-45	0.227963	6.40E-07	0.481044	2.03E-28	0.317559	2.11E-12	0.444169
0.598989	8.26E-47	0.26585	5.38E-09	0.597496	1.58E-46	0.460844	6.24E-26	0.517512
0.729787	8.11E-79	0.263741	7.17E-09	0.404197	8.81E-20	0.30972	7.69E-12	0.316227
0.459274	9.58E-26	0.076974	0.09663	0.486465	4.09E-29	0.346199	1.35E-14	0.450177
0.664225	9.61E-61	0.268428	3.78E-09	0.743822	2.14E-83	0.562938	2.15E-40	0.585707
0.638924	6.14E-55	0.19507	2.19E-05	0.658258	2.53E-59	0.528103	6.73E-35	0.514985
0.488916	1.96E-29	0.131039	0.00456	0.483902	8.75E-29	0.267008	4.59E-09	0.461312
0.624985	5.75E-52	0.293177	1.04E-10	0.725017	2.51E-77	0.476899	6.79E-28	0.64208
0.62502	5.65E-52	0.164715	0.00035	0.525651	1.55E-34	0.279153	8.31E-10	0.404769
0.533557	1.02E-35	0.286356	2.90E-10	0.582142	1.03E-43	0.461089	5.83E-26	0.506749
0.029477	0.52515	-0.17797	0.00011	-0.11785	0.01081	-0.22306	1.12E-06	-0.11782
0.200244	1.30E-05	0.094156	0.04197	-0.07122	0.1243	-0.12316	0.00771	-0.04755
0.010191	0.82616	-0.23345	3.36E-07	-0.12174	0.00845	-0.23065	4.68E-07	-0.1293
0.161074	0.00048	0.03912	0.39898	-0.08649	0.06183	-0.16002	0.00052	-0.09293
-0.00761	0.86972	-0.25998	1.19E-08	-0.11859	0.01032	-0.34596	1.41E-14	-0.18985
0.209142	5.16E-06	0.001869	0.96788	0.010887	0.81449	-0.09138	0.04843	-0.07001
0.120575	0.0091	-0.02367	0.60989	0.073947	0.11051	-0.13681	0.00305	0.123542
0.322761	8.78E-13	0.121842	0.00839	0.105422	0.0227	-0.04996	0.2813	0.109229
0.106642	0.02117	0.036071	0.43677	0.054865	0.23667	-0.15735	0.00064	0.124196
0.11923	0.00991	-0.07798	0.09235	-0.1843	6.17E-05	-0.26099	1.04E-08	-0.14735
0.02745	0.55403	-0.23098	4.50E-07	-0.00864	0.85229	-0.23499	2.80E-07	-0.07499
0.022291	0.63088	0.036843	0.42701	-0.20649	6.83E-06	-0.20678	6.62E-06	-0.12082
0.065634	0.15675	-0.09997	0.03077	-0.22101	1.41E-06	-0.18979	3.66E-05	-0.15584
0.334276	1.18E-13	0.259223	1.31E-08	0.293494	9.90E-11	0.178612	0.0001	0.2358
-0.01165	0.80175	-0.18097	8.40E-05	-0.13002	0.00489	-0.24328	1.02E-07	-0.13002
0.218528	1.87E-06	0.089296	0.05381	0.243247	1.02E-07	0.073021	0.11505	0.188949
0.122572	0.00801	-0.10379	0.02489	0.004071	0.93008	-0.19881	1.50E-05	-0.00492
0.208933	5.28E-06	-0.07933	0.08682	0.13748	0.00291	-0.1281	0.00557	0.074669
0.293445	9.98E-11	0.115761	0.0123	0.256419	1.90E-08	0.071684	0.12188	0.143563
0.008359	0.85702	-0.1709	0.00021	0.119318	0.00986	-0.10037	0.0301	0.045477
0.135023	0.00346	-0.20749	6.15E-06	0.105814	0.0222	-0.18577	5.37E-05	0.064541
0.302343	2.51E-11	0.093163	0.04419	0.193999	2.43E-05	-0.01817	0.69526	0.232332
0.4238	8.85E-22	0.362776	5.68E-16	0.383734	7.84E-18	0.264021	6.90E-09	0.458937
-0.04569	0.32448	-0.13243	0.00415	-0.29672	6.03E-11	-0.33883	5.22E-14	-0.20397
0.122991	0.00779	-0.04385	0.34436	-0.0384	0.40778	-0.22145	1.35E-06	0.007598
0.267513	4.28E-09	0.113608	0.01403	0.020259	0.66235	-0.11523	0.01271	0.029653
0.037302	0.42127	-0.11103	0.01638	0.046206	0.31907	-0.05908	0.20254	-0.05884
0.102971	0.02607	-0.01924	0.67843	-0.21559	2.58E-06	-0.1795	9.61E-05	-0.14947
0.181059	8.33E-05	-0.0876	0.05854	0.143128	0.00193	-0.03598	0.43798	0.053256
0.123902	0.00735	0.038752	0.40344	-0.13087	0.00461	-0.18276	7.11E-05	-0.14613
0.17618	0.00013	-0.13807	0.00279	0.092495	0.04574	-0.11652	0.01174	0.054922
0.168286	0.00026	-0.12607	0.00637	-0.16891	0.00025	-0.17562	0.00014	-0.09559
0.223259	1.10E-06	0.031438	0.49794	-0.03848	0.40678	-0.10929	0.01816	-0.01308
0.019644	0.672	-0.11792	0.01076	-0.28089	6.47E-10	-0.23732	2.11E-07	-0.22126
0.310114	7.21E-12	0.308981	8.67E-12	0.175718	0.00014	0.117173	0.01127	0.16419

0.045158	0.33018	-0.16664	0.0003	-0.10298	0.02606	-0.25462	2.41E-08	-0.07504
0.155322	0.00076	-0.06685	0.1492	-0.0436	0.34715	-0.12482	0.00692	-0.072
-0.08891	0.05487	-0.0252	0.587	-0.28037	6.97E-10	-0.22973	5.21E-07	-0.17855
-0.01877	0.68575	-0.11963	0.00966	-0.22063	1.48E-06	-0.27788	9.99E-10	-0.16385
0.186168	5.17E-05	0.06356	0.1703	-0.02201	0.63513	-0.10196	0.02758	0.031752
0.358782	1.24E-15	0.253996	2.61E-08	0.246018	7.23E-08	0.084001	0.06974	0.395024
0.119055	0.01002	-0.02283	0.6226	0.013002	0.7793	-0.1841	6.28E-05	0.032029
0.053198	0.25123	-0.12205	0.00828	-0.17232	0.00018	-0.2571	1.74E-08	-0.14643
0.479178	3.50E-28	0.182039	7.61E-05	0.135578	0.00333	0.086875	0.06067	0.118462
0.2048	8.15E-06	0.074525	0.10774	0.283563	4.38E-10	0.103678	0.02506	0.181651
0.034729	0.45403	-0.18599	5.26E-05	0.025256	0.58616	-0.15891	0.00057	-0.04705
-0.11733	0.01116	-0.23378	3.23E-07	-0.19298	2.69E-05	-0.18678	4.88E-05	-0.24134
0.117815	0.01083	0.010573	0.81975	-0.1325	0.00413	-0.28483	3.63E-10	0.068766
0.031338	0.49931	-0.22598	8.04E-07	-0.11313	0.01444	-0.22862	5.93E-07	-0.14265
-0.01327	0.77484	-0.08884	0.05506	-0.19246	2.83E-05	-0.16829	0.00026	-0.17321
0.065408	0.15818	-0.0393	0.39679	-0.10388	0.02477	-0.13009	0.00487	-0.02698
-0.10908	0.01838	-0.14522	0.00165	-0.1568	0.00067	-0.21106	4.21E-06	-0.21416
0.037076	0.42409	-0.19943	1.41E-05	-0.02416	0.60246	-0.2451	8.12E-08	-0.0292
0.339972	4.24E-14	0.014395	0.75637	0.216456	2.34E-06	0.017784	0.70149	0.270615
0.249283	4.79E-08	-0.09627	0.03755	-0.09032	0.0511	-0.18023	8.98E-05	-0.10903
0.320247	1.34E-12	0.116933	0.01144	0.114151	0.01358	0.16475	0.00035	-0.00551
0.163273	0.0004	-0.1401	0.00241	0.066621	0.15059	-0.07181	0.12121	-0.00696
0.389302	2.39E-18	-0.0072	0.87664	0.185132	5.70E-05	0.053223	0.25101	0.146431
-0.22615	7.88E-07	-0.19628	1.94E-05	-0.11102	0.01639	-0.17041	0.00022	-0.12301
0.039806	0.39076	-0.11354	0.01409	-0.08804	0.05729	-0.23213	3.93E-07	-0.11465
0.231864	4.05E-07	0.021337	0.64558	-0.02762	0.5516	-0.14788	0.00135	-0.02043
0.100499	0.02989	-0.00959	0.83632	0.077988	0.0923	-0.12318	0.0077	0.085036
0.144845	0.0017	0.125985	0.00641	0.289251	1.88E-10	0.170389	0.00022	0.242527
-0.04045	0.38318	0.092309	0.04618	-0.29332	1.02E-10	-0.22918	5.56E-07	-0.24476
-0.10382	0.02486	0.019262	0.67801	-0.15415	0.00083	-0.16539	0.00033	-0.18013
0.017419	0.70734	0.107542	0.0201	-0.18939	3.80E-05	-0.2108	4.33E-06	-0.16064
-0.04424	0.34007	-0.13381	0.00377	0.022171	0.63272	-0.15979	0.00053	0.020608
0.102056	0.02743	0.01124	0.80858	-0.27129	2.54E-09	-0.24545	7.77E-08	-0.18176
0.208177	5.72E-06	-0.03091	0.50525	-0.12687	0.00604	-0.15941	0.00054	-0.16308
-0.06635	0.15226	-0.16854	0.00025	-0.07712	0.09599	-0.21074	4.36E-06	-0.12209
0.136209	0.00318	-0.10191	0.02765	0.08802	0.05734	-0.02533	0.5851	-0.01929
-0.11163	0.0158	-0.19416	2.39E-05	-0.25093	3.88E-08	-0.22467	9.35E-07	-0.26512
0.026418	0.56904	-0.11578	0.01229	-0.1946	2.29E-05	-0.2875	2.45E-10	-0.18309
-0.01899	0.68224	-0.10044	0.02999	-0.16159	0.00046	-0.11882	0.01017	-0.17432
0.073723	0.11159	-0.04564	0.32507	-0.17467	0.00015	-0.31022	7.09E-12	-0.10187
0.184793	5.89E-05	-0.11643	0.01181	-0.00788	0.8651	-0.11431	0.01344	0.031433
0.339715	4.45E-14	0.375561	4.32E-17	0.340399	3.93E-14	0.195705	2.05E-05	0.490098
0.43851	2.29E-23	0.283518	4.41E-10	0.467094	1.10E-26	0.221293	1.37E-06	0.400949
0.213647	3.19E-06	0.022965	0.6206	0.119107	0.00999	-0.07045	0.12846	0.06172
0.351981	4.57E-15	0.123223	0.00768	0.346872	1.19E-14	0.205072	7.92E-06	0.180289

0.343467	2.24E-14	0.226084	7.95E-07	0.22583	8.18E-07	0.149743	0.00117	0.13985
-0.02155	0.64225	0.053441	0.24908	-0.09177	0.04748	-0.13231	0.00418	-0.10114
0.290177	1.64E-10	0.138667	0.00267	0.342281	2.79E-14	0.232209	3.89E-07	0.251147
0.130118	0.00486	-0.12803	0.00559	-0.22928	5.49E-07	-0.25823	1.50E-08	-0.18952
0.016782	0.71757	-0.05314	0.25175	-0.12368	0.00745	-0.15984	0.00053	-0.04243
-0.03303	0.47641	-0.06826	0.14076	-0.0251	0.58845	-0.2296	5.29E-07	0.036189
0.169663	0.00023	-0.08562	0.06449	0.284736	3.68E-10	-0.0187	0.68687	0.191858
0.104384	0.02408	0.00883	0.84906	-0.09604	0.03802	-0.1156	0.01242	-0.10293
-0.08622	0.06265	-0.16661	0.0003	-0.27105	2.63E-09	-0.24113	1.33E-07	-0.26397
0.224297	9.75E-07	0.148427	0.0013	0.318578	1.78E-12	0.216766	2.27E-06	0.227203
0.108527	0.01898	0.031671	0.49477	-0.1164	0.01183	-0.20775	5.98E-06	-0.06121
-0.03778	0.41537	-0.18201	7.63E-05	0.108526	0.01898	-0.11483	0.01302	0.033695
-0.08213	0.07621	-0.30448	1.79E-11	-0.23635	2.37E-07	-0.35994	9.89E-16	-0.17489
0.178267	0.00011	-0.13791	0.00282	-0.02557	0.58157	-0.17141	0.0002	0.013973
0.246377	6.92E-08	0.106572	0.02125	0.123848	0.00737	0.111523	0.0159	0.060222
0.234058	3.13E-07	0.053349	0.24989	0.038229	0.40981	0.003529	0.93937	-0.07135
0.076528	0.09858	0.007347	0.87419	-0.19756	1.71E-05	-0.20001	1.33E-05	-0.15804
-0.07133	0.12376	-0.17283	0.00017	-0.12194	0.00834	-0.22381	1.03E-06	-0.09761
0.16915	0.00024	0.04003	0.38809	-0.10695	0.02079	-0.17797	0.00011	-0.06065
0.192467	2.82E-05	-0.12223	0.00819	-0.09594	0.03822	-0.25862	1.42E-08	-0.0638
0.091257	0.04873	-0.12621	0.00631	0.144024	0.00181	0.039887	0.38979	0.007284
0.156796	0.00067	-0.20922	5.12E-06	0.155344	0.00076	-0.21318	3.35E-06	0.139114
0.275087	1.49E-09	-0.08409	0.06945	-0.03663	0.42971	-0.18902	3.94E-05	0.021274
0.243167	1.03E-07	-0.03872	0.4038	-0.11915	0.00996	-0.16348	0.00039	-0.11241
0.148475	0.00129	-0.13613	0.0032	0.163325	0.00039	-0.1072	0.0205	0.125174
0.081093	0.08001	-0.08781	0.05794	-0.0708	0.12658	-0.09144	0.04827	-0.11421
0.0783	0.091	0.005099	0.9125	-0.27974	7.64E-10	-0.20196	1.09E-05	-0.14383
0.078864	0.08869	-0.11894	0.01009	0.102947	0.0261	-0.12167	0.00849	0.080616
0.103788	0.0249	-0.07163	0.12214	-0.03794	0.41338	-0.14791	0.00135	-0.06912
0.277852	1.00E-09	-0.0388	0.4029	0.242517	1.12E-07	0.000129	0.99778	0.086092
0.031397	0.4985	-0.22327	1.10E-06	-0.01701	0.71394	-0.19666	1.87E-05	-0.09853
0.143506	0.00188	-0.19281	2.73E-05	0.188989	3.95E-05	-0.1296	0.00503	0.120794
0.045466	0.32688	0.122583	0.008	-0.0722	0.11919	-0.04574	0.32393	-0.04336
0.043689	0.34617	-0.1498	0.00117	-0.01314	0.77706	-0.11988	0.00951	-0.07958
0.149386	0.0012	-0.16176	0.00045	0.056532	0.22271	-0.10025	0.03031	-0.07276
0.109503	0.01793	-0.20444	8.46E-06	-0.08164	0.07798	-0.18856	4.12E-05	-0.06209
-0.01572	0.73478	-0.06194	0.18148	-0.23016	4.95E-07	-0.18677	4.88E-05	-0.22045
0.141084	0.00224	-0.02151	0.64292	-0.07489	0.10602	-0.20643	6.87E-06	-0.08837
-0.12106	0.00882	-0.27477	1.56E-09	-0.29323	1.03E-10	-0.2389	1.74E-07	-0.29546
0.157916	0.00061	0.000599	0.9897	-0.03985	0.39024	-0.17242	0.00018	-0.08372
0.230812	4.59E-07	0.220963	1.42E-06	0.00735	0.87414	-0.05781	0.21238	0.050237
0.126419	0.00623	-0.02484	0.59235	-0.09226	0.04631	-0.26365	7.25E-09	-0.08351
0.004684	0.91959	-0.07275	0.11644	-0.3783	2.45E-17	-0.35624	2.03E-15	-0.34537
0.163488	0.00039	0.184586	6.00E-05	-0.18394	6.38E-05	-0.10031	0.0302	-0.06393
-0.09384	0.04268	-0.19008	3.56E-05	-0.30625	1.35E-11	-0.33063	2.25E-13	-0.32641

-0.06083	0.18947	-0.09676	0.0366	-0.28462	3.75E-10	-0.18783	4.41E-05	-0.30378
0.109093	0.01836	-0.04757	0.30501	-0.00402	0.93091	-0.09618	0.03773	0.009101
0.303081	2.23E-11	0.095854	0.03839	-0.04127	0.37355	-0.07115	0.12468	-0.05273
0.0441	0.34164	-0.16158	0.00046	-0.18336	6.73E-05	-0.21924	1.72E-06	-0.22982
0.11865	0.01028	-0.05957	0.19882	-0.1429	0.00196	-0.09855	0.03324	-0.14778
0.212707	3.53E-06	0.007847	0.8657	0.044139	0.34122	-0.10973	0.01769	-0.04826
0.049298	0.28772	-0.10145	0.02836	-0.20211	1.08E-05	-0.27977	7.61E-10	-0.15218
0.087932	0.05759	0.144274	0.00177	0.0013	0.97765	0.039941	0.38915	0.026614
-0.00716	0.87741	-0.15852	0.00059	-0.1656	0.00033	-0.21046	4.49E-06	-0.12628
0.120379	0.00922	-0.07509	0.10508	0.157349	0.00064	0.047993	0.30069	0.12551
0.212016	3.80E-06	-0.07199	0.1203	0.013172	0.77649	-0.08463	0.06765	-0.03821
0.04688	0.31205	-0.17269	0.00018	-0.12496	0.00686	-0.22827	6.17E-07	-0.12294
0.350399	6.16E-15	0.219206	1.73E-06	-0.10634	0.02153	0.035203	0.44788	-0.07998
0.084218	0.06901	-0.12098	0.00887	0.048595	0.29466	-0.00661	0.88676	-0.01859
0.11841	0.01044	0.19628	1.94E-05	-0.19752	1.71E-05	-0.13711	0.00299	-0.13303
0.15552	0.00075	0.049884	0.28203	0.119306	0.00986	-0.01132	0.80724	0.196061
0.012077	0.79463	-0.14119	0.00223	-0.24845	5.32E-08	-0.22052	1.49E-06	-0.24191
0.167004	0.00029	0.056239	0.22512	0.124306	0.00716	-0.01817	0.69525	0.058648
-0.03606	0.4369	-0.24674	6.61E-08	-0.23724	2.13E-07	-0.33728	6.90E-14	-0.17088
0.158682	0.00058	-0.09278	0.04508	-0.0967	0.03671	-0.22896	5.70E-07	-0.04212
0.47638	7.88E-28	-0.09626	0.03758	0.025522	0.58221	-0.12633	0.00626	0.018059
0.07605	0.10071	0.13859	0.00269	0.402945	1.17E-19	0.418307	3.31E-21	0.329094
0.288062	2.25E-10	0.17455	0.00015	0.530432	3.02E-35	0.453513	4.55E-25	0.405073
0.24588	7.36E-08	0.148069	0.00133	0.49121	9.81E-30	0.356576	1.90E-15	0.416789
0.267066	4.55E-09	0.002673	0.95407	0.473999	1.56E-27	0.27216	2.25E-09	0.38038
0.247909	5.70E-08	0.245141	8.08E-08	0.574944	1.92E-42	0.480276	2.54E-28	0.501253
0.383583	8.10E-18	0.432119	1.14E-22	0.624906	5.97E-52	0.588751	6.63E-45	0.568753
0.0431	0.35271	-0.07122	0.12434	0.120639	0.00907	0.144733	0.00171	0.135314
0.430009	1.93E-22	0.487064	3.42E-29	0.529301	4.46E-35	0.572697	4.72E-42	0.45724
0.158279	0.0006	0.063298	0.17207	0.296339	6.40E-11	0.215723	2.54E-06	0.282194
0.267769	4.13E-09	0.195241	2.15E-05	0.476991	6.61E-28	0.45071	9.59E-25	0.396376
0.223864	1.02E-06	0.315547	2.95E-12	0.377362	2.98E-17	0.485293	5.80E-29	0.311295
0.400143	2.20E-19	0.397423	4.03E-19	0.626239	3.15E-52	0.558903	1.01E-39	0.516849
0.265648	5.53E-09	0.240755	1.39E-07	0.450352	1.05E-24	0.474947	1.19E-27	0.345347
0.307658	1.07E-11	0.108007	0.01956	0.568627	2.36E-41	0.360282	9.26E-16	0.47337
0.202696	1.01E-05	0.175662	0.00014	0.503661	2.08E-31	0.379987	1.73E-17	0.4947
0.19375	2.49E-05	0.26324	7.67E-09	0.327493	3.89E-13	0.295844	6.91E-11	0.298444
0.31345	4.18E-12	0.248424	5.34E-08	0.55921	8.97E-40	0.397704	3.79E-19	0.477846
0.240552	1.43E-07	0.182478	7.30E-05	0.189232	3.86E-05	0.238037	1.94E-07	0.208547
0.2061	7.11E-06	0.029075	0.53082	0.431199	1.44E-22	0.263455	7.45E-09	0.393593
0.243421	1.00E-07	0.165324	0.00033	0.423963	8.51E-22	0.341513	3.20E-14	0.301486
0.290229	1.62E-10	0.072556	0.11739	0.568858	2.16E-41	0.373288	6.89E-17	0.463876
0.294749	8.17E-11	0.280756	6.59E-10	0.377101	3.15E-17	0.411901	1.50E-20	0.354729
0.232023	3.98E-07	0.051446	0.26721	0.253427	2.81E-08	0.296751	6.00E-11	0.166971
0.296451	6.29E-11	0.251916	3.42E-08	0.412469	1.31E-20	0.33801	6.05E-14	0.329622

0.241609	1.25E-07	0.287939	2.29E-10	0.240251	1.48E-07	0.308144	9.93E-12	0.271253
0.372116	8.75E-17	0.176848	0.00012	0.585991	2.10E-44	0.406335	5.41E-20	0.454353
0.227776	6.54E-07	0.133313	0.0039	0.450615	9.84E-25	0.36893	1.67E-16	0.316892
0.045549	0.326	-0.00914	0.84377	0.211127	4.18E-06	0.299673	3.81E-11	0.18839
0.135924	0.00325	-0.08931	0.05377	0.136219	0.00318	0.105436	0.02268	0.097021
0.081578	0.07822	0.010894	0.81436	-0.0256	0.58103	0.109459	0.01797	-0.01289
0.222429	1.21E-06	0.162518	0.00042	0.508702	4.19E-32	0.468122	8.28E-27	0.432645
0.195751	2.04E-05	0.082847	0.07368	0.309343	8.18E-12	0.242213	1.16E-07	0.21358
0.297618	5.25E-11	0.126185	0.00632	0.549732	3.11E-38	0.370399	1.24E-16	0.488555
0.236746	2.26E-07	0.222455	1.20E-06	0.467254	1.06E-26	0.485363	5.68E-29	0.303789
0.219802	1.62E-06	0.283655	4.32E-10	0.356164	2.06E-15	0.384494	6.68E-18	0.337103
0.330694	2.22E-13	0.239188	1.68E-07	0.384703	6.39E-18	0.38158	1.24E-17	0.325503
0.294777	8.14E-11	0.168277	0.00026	0.354908	2.62E-15	0.249187	4.85E-08	0.311453
0.338965	5.09E-14	0.205956	7.22E-06	0.628468	1.07E-52	0.496493	1.95E-30	0.523103
0.208549	5.50E-06	0.077302	0.09521	0.457445	1.58E-25	0.409563	2.58E-20	0.360965
0.271126	2.60E-09	0.188714	4.06E-05	0.557208	1.91E-39	0.410838	1.92E-20	0.413634
0.213425	3.26E-06	0.144225	0.00178	0.469471	5.66E-27	0.313635	4.05E-12	0.367719
0.109399	0.01803	0.058826	0.20447	0.319981	1.41E-12	0.277805	1.01E-09	0.272007
0.410369	2.14E-20	0.349916	6.75E-15	0.51497	5.48E-33	0.44079	1.28E-23	0.408019
0.253205	2.89E-08	0.282771	4.92E-10	0.32846	3.29E-13	0.312889	4.58E-12	0.319161
0.370137	1.31E-16	0.14467	0.00172	0.622608	1.78E-51	0.428224	3.00E-22	0.507243
0.003697	0.9365	0.051808	0.26385	-0.08767	0.05834	0.040781	0.37924	-0.01954
0.271107	2.60E-09	0.168614	0.00025	0.301042	3.08E-11	0.286114	3.00E-10	0.2465
0.205367	7.68E-06	0.074674	0.10704	0.278923	8.59E-10	0.235323	2.69E-07	0.184019
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0.2866	2.80E-10	0.087327	0.05934	0.301233	2.99E-11	0.317542	2.12E-12	0.056906
0.218899	1.79E-06	0.062782	0.1756	0.375573	4.31E-17	0.346308	1.33E-14	0.215898
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0.213016	3.41E-06	0.099987	0.03075	0.481334	1.87E-28	0.547485	7.08E-38	0.26501
0.162983	0.00041	0.092779	0.04508	0.334205	1.20E-13	0.416175	5.49E-21	0.151248
0.354915	2.61E-15	0.178781	0.0001	0.64457	3.47E-56	0.463856	2.72E-26	0.448994
0.210999	4.24E-06	0.061457	0.18491	0.336711	7.65E-14	0.318649	1.76E-12	0.145324
0.410348	2.15E-20	0.351066	5.43E-15	0.687603	1.23E-66	0.725475	1.81E-77	0.463037
0.005677	0.90262	-0.0524	0.2584	0.22506	8.94E-07	0.254654	2.40E-08	0.05408
0.351207	5.29E-15	0.31823	1.89E-12	0.585656	2.42E-44	0.623138	1.39E-51	0.393079
0.237765	2.00E-07	0.159009	0.00056	0.401867	1.49E-19	0.465749	1.61E-26	0.16722
0.052867	0.2542	0.009166	0.84339	0.240358	1.46E-07	0.319652	1.49E-12	0.055846
0.37895	2.14E-17	0.325899	5.12E-13	0.43381	7.49E-23	0.387985	3.17E-18	0.260773
0.114828	0.01303	-0.0976	0.03499	0.366854	2.53E-16	0.193494	2.55E-05	0.227613
0.23288	3.60E-07	0.077731	0.09338	0.314883	3.30E-12	0.229499	5.35E-07	0.212443
0.066305	0.15255	-0.08077	0.08121	0.262158	8.87E-09	0.14336	0.0019	0.174292
0.195601	2.07E-05	0.271579	2.44E-09	0.377987	2.62E-17	0.59869	9.40E-47	0.212623
0.258722	1.40E-08	0.196496	1.90E-05	0.526463	1.18E-34	0.500059	6.46E-31	0.285432
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0.225958	8.06E-07	0.145614	0.0016	0.268053	3.98E-09	0.364663	3.91E-16	0.043137
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0.272226	2.23E-09	0.191006	3.25E-05	0.694954	1.32E-68	0.648433	4.69E-57	0.465604
0.201729	1.12E-05	0.083036	0.07302	0.380489	1.55E-17	0.245718	7.51E-08	0.266024
0.309977	7.38E-12	0.068083	0.14182	0.469246	6.03E-27	0.384133	7.21E-18	0.232143
0.196168	1.96E-05	0.087415	0.05908	0.393038	1.06E-18	0.412227	1.39E-20	0.141983
0.220042	1.58E-06	0.203875	8.97E-06	0.454888	3.14E-25	0.545578	1.42E-37	0.245814
0.327901	3.62E-13	0.158307	0.0006	0.560193	6.17E-40	0.504782	1.46E-31	0.335517
0.38984	2.12E-18	0.498567	1.03E-30	0.46277	3.67E-26	0.582135	1.04E-43	0.321056
0.186744	4.90E-05	-0.10199	0.02753	0.245887	7.35E-08	0.097967	0.0343	0.146872
0.208654	5.44E-06	-0.00129	0.97778	0.317619	2.09E-12	0.192994	2.68E-05	0.081954
0.328899	3.05E-13	0.083287	0.07215	0.623491	1.17E-51	0.458282	1.26E-25	0.376134
0.405712	6.24E-20	0.452761	5.56E-25	0.685848	3.56E-66	0.672196	1.08E-62	0.490342
0.258876	1.38E-08	0.220918	1.43E-06	0.522156	5.05E-34	0.460245	7.35E-26	0.392259
0.180708	8.60E-05	-0.02301	0.61984	0.474039	1.55E-27	0.381055	1.38E-17	0.299877
0.368249	1.91E-16	0.202648	1.02E-05	0.745128	7.76E-84	0.599545	6.48E-47	0.539316
0.303201	2.19E-11	0.238168	1.91E-07	0.493504	4.88E-30	0.448561	1.69E-24	0.288594
0.322884	8.59E-13	0.077761	0.09326	0.492651	6.34E-30	0.312903	4.57E-12	0.311575
-0.14027	0.00238	-0.04752	0.30544	-0.28257	5.06E-10	-0.30263	2.40E-11	-0.12769
0.155268	0.00076	0.209759	4.84E-06	0.408562	3.25E-20	0.484861	6.59E-29	0.26992
0.21727	2.14E-06	0.250712	3.99E-08	0.260024	1.18E-08	0.357367	1.63E-15	0.247677
0.060324	0.19316	-0.03335	0.47221	0.169282	0.00024	0.259039	1.35E-08	-0.01776
0.171191	0.0002	0.058316	0.20843	0.306984	1.20E-11	0.244726	8.51E-08	0.139914
0.38541	5.49E-18	0.386972	3.94E-18	0.608984	9.78E-49	0.683905	1.14E-65	0.398064
0.241783	1.23E-07	0.159494	0.00054	0.560372	5.76E-40	0.533845	9.24E-36	0.329922
0.248316	5.41E-08	0.091773	0.04747	0.592997	1.10E-45	0.460164	7.51E-26	0.333599
0.263009	7.91E-09	0.388947	2.57E-18	0.433853	7.41E-23	0.560389	5.72E-40	0.330471
0.290314	1.60E-10	0.294861	8.03E-11	0.577806	6.07E-43	0.617404	2.06E-50	0.398428
0.046937	0.31146	-0.10082	0.02938	-0.23983	1.56E-07	-0.36865	1.77E-16	-0.1463
0.10633	0.02155	-0.01033	0.82388	0.253995	2.61E-08	0.20431	8.57E-06	0.096301
0.248725	5.14E-08	0.12346	0.00756	0.520212	9.68E-34	0.360867	8.26E-16	0.330295
0.424634	7.23E-22	0.192428	2.83E-05	0.521836	5.63E-34	0.387497	3.52E-18	0.351835
0.374679	5.18E-17	0.191908	2.98E-05	0.721094	4.01E-76	0.599661	6.16E-47	0.498287
0.426387	4.71E-22	0.326881	4.32E-13	0.650819	1.34E-57	0.613817	1.08E-49	0.4146
0.215126	2.71E-06	0.21103	4.22E-06	0.360438	8.98E-16	0.273329	1.91E-09	0.246115
0.288241	2.19E-10	0.187465	4.57E-05	0.405722	6.23E-20	0.403127	1.12E-19	0.253804
0.173586	0.00016	0.114186	0.01355	0.440001	1.56E-23	0.385518	5.37E-18	0.311898
0.349518	7.27E-15	0.386416	4.43E-18	0.676605	8.51E-64	0.755759	1.57E-87	0.446072
0.198942	1.48E-05	-0.00929	0.84127	0.40217	1.39E-19	0.282132	5.40E-10	0.141169
0.412718	1.24E-20	0.367399	2.27E-16	0.481587	1.73E-28	0.544781	1.89E-37	0.28279
0.525783	1.48E-34	0.438228	2.46E-23	0.699006	1.02E-69	0.679877	1.25E-64	0.499438
0.184133	6.26E-05	0.316728	2.43E-12	0.398893	2.91E-19	0.545603	1.41E-37	0.240385
0.380204	1.65E-17	0.175207	0.00014	0.4572	1.68E-25	0.282504	5.11E-10	0.316357
0.344792	1.76E-14	0.216728	2.28E-06	0.548083	5.69E-38	0.456979	1.79E-25	0.294498
0.353589	3.37E-15	0.147206	0.00142	0.536393	3.78E-36	0.35	6.64E-15	0.387094



0.172496	0.00018	0.093845	0.04266	0.360483	8.90E-16	0.435325	5.12E-23	0.182681
0.045021	0.33165	0.029561	0.52396	0.225611	8.39E-07	0.259917	1.20E-08	0.137888
0.132417	0.00415	-0.13598	0.00324	0.187259	4.66E-05	0.122383	0.00811	-0.04046
0.31358	4.09E-12	0.209934	4.75E-06	0.554085	6.18E-39	0.482803	1.21E-28	0.379819
0.337099	7.13E-14	0.101749	0.0279	0.608123	1.44E-48	0.392384	1.22E-18	0.447112
0.161634	0.00045	0.040166	0.38649	0.29145	1.35E-10	0.197119	1.78E-05	0.189274
0.412972	1.17E-20	0.23625	2.40E-07	0.637751	1.11E-54	0.55696	2.10E-39	0.367475
0.182883	7.03E-05	0.137656	0.00287	0.327817	3.68E-13	0.429104	2.42E-22	0.124962
0.431425	1.36E-22	0.202889	9.93E-06	0.390505	1.84E-18	0.228558	5.97E-07	0.240984
-0.10654	0.02129	0.006378	0.89066	-0.18614	5.18E-05	-0.20787	5.91E-06	-0.09568
0.169947	0.00022	0.104506	0.02391	0.431391	1.37E-22	0.435488	4.91E-23	0.261421
0.233366	3.39E-07	0.20753	6.12E-06	0.416081	5.62E-21	0.47409	1.52E-27	0.215871
-0.16914	0.00024	-0.02067	0.65598	-0.21508	2.73E-06	-0.20124	1.18E-05	-0.09019
0.027562	0.55243	0.153494	0.00088	0.307206	1.15E-11	0.461585	5.09E-26	0.214228
0.243142	1.04E-07	0.238426	1.85E-07	0.351866	4.67E-15	0.261569	9.60E-09	0.253483
0.114213	0.01352	-0.02045	0.65944	0.261971	9.10E-09	0.311254	5.99E-12	0.038519
0.172051	0.00019	-0.18557	5.47E-05	0.216829	2.25E-06	0.017597	0.70447	0.067981
0.210767	4.34E-06	0.017177	0.71122	0.440708	1.30E-23	0.327784	3.70E-13	0.280211
0.261055	1.03E-08	0.171931	0.00019	0.515857	4.10E-33	0.464974	1.99E-26	0.318571
0.323944	7.17E-13	0.398032	3.52E-19	0.66088	6.06E-60	0.710619	5.19E-73	0.542339
0.375275	4.59E-17	0.391337	1.53E-18	0.71624	1.16E-74	0.656925	5.19E-59	0.532997
0.22553	8.47E-07	0.173902	0.00016	0.511208	1.87E-32	0.456125	2.25E-25	0.294603
0.413345	1.07E-20	0.249786	4.49E-08	0.705019	2.10E-71	0.57108	8.97E-42	0.498855
0.309811	7.58E-12	0.291972	1.25E-10	0.654702	1.71E-58	0.647116	9.30E-57	0.561564
0.119137	0.00997	-0.13281	0.00404	0.242183	1.17E-07	0.131825	0.00432	0.120597
0.156127	0.00071	0.004126	0.92914	0.352035	4.52E-15	0.412502	1.30E-20	0.120656
0.159181	0.00055	0.234344	3.02E-07	0.444405	5.02E-24	0.519854	1.09E-33	0.254243
0.364492	4.04E-16	0.222011	1.26E-06	0.683776	1.24E-65	0.508038	5.18E-32	0.482877
0.3015	2.86E-11	0.103777	0.02492	0.352959	3.80E-15	0.235948	2.49E-07	0.215496
0.366331	2.81E-16	0.378189	2.51E-17	0.42275	1.14E-21	0.556692	2.33E-39	0.320795
0.236125	2.44E-07	0.000764	0.98686	0.485791	5.00E-29	0.384245	7.04E-18	0.245822
0.346044	1.39E-14	0.197519	1.71E-05	0.524857	2.03E-34	0.436749	3.57E-23	0.41768
0.305285	1.57E-11	-0.0378	0.41514	0.355082	2.53E-15	0.176307	0.00013	0.169735
0.299264	4.06E-11	0.101088	0.02894	0.312022	5.28E-12	0.24587	7.37E-08	0.193592
0.236125	2.44E-07	0.193777	2.48E-05	0.344481	1.86E-14	0.368937	1.66E-16	0.271657
0.195638	2.07E-05	0.31977	1.46E-12	0.344388	1.89E-14	0.535646	4.92E-36	0.221615
0.226763	7.35E-07	0.077017	0.09644	0.35092	5.59E-15	0.300187	3.52E-11	0.167059
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0.118438	0.01042	-0.09564	0.03882	0.348379	9.01E-15	0.21561	2.57E-06	0.135199
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0.331916	1.79E-13	0.290742	1.50E-10	0.537106	2.94E-36	0.54793	6.02E-38	0.308339
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0.233332	3.41E-07	0.380518	1.54E-17	0.411994	1.47E-20	0.547425	7.24E-38	0.277064
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0.161872	0.00044	0.093314	0.04385	0.342637	2.61E-14	0.282616	5.03E-10	0.198392
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0.339964	4.25E-14	0.377218	3.07E-17	0.692318	6.80E-68	0.721781	2.47E-76	0.501471
0.425545	5.79E-22	0.256729	1.83E-08	0.591698	1.91E-45	0.559349	8.50E-40	0.396913
0.072125	0.11959	0.043025	0.35355	0.309635	7.80E-12	0.347999	9.67E-15	0.121904
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0.344246	1.94E-14	0.22742	6.81E-07	0.712696	1.29E-73	0.584212	4.40E-44	0.542406
0.292682	1.12E-10	0.21963	1.65E-06	0.491355	9.39E-30	0.456927	1.81E-25	0.306586
0.234528	2.96E-07	0.09688	0.03636	0.219857	1.61E-06	0.25401	2.61E-08	0.092191
0.265295	5.80E-09	0.007579	0.87024	0.286387	2.89E-10	0.197665	1.69E-05	0.13588
0.266265	5.08E-09	0.141536	0.00217	0.365528	3.29E-16	0.337333	6.84E-14	0.326303
0.452255	6.36E-25	0.213682	3.17E-06	0.766992	1.20E-91	0.592702	1.24E-45	0.530935
0.187206	4.69E-05	0.047272	0.30801	0.293082	1.05E-10	0.171877	0.00019	0.185642
0.447295	2.36E-24	0.427074	3.98E-22	0.522432	4.61E-34	0.575817	1.36E-42	0.383701
0.279161	8.30E-10	0.372236	8.54E-17	0.565436	8.20E-41	0.608656	1.13E-48	0.329153
0.368968	1.65E-16	0.110479	0.01692	0.490201	1.33E-29	0.293598	9.75E-11	0.338816
0.243465	9.95E-08	0.063369	0.17159	0.260647	1.09E-08	0.194723	2.26E-05	0.091485
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0.117706	0.01091	0.290202	1.63E-10	0.231098	4.44E-07	0.470751	3.94E-27	0.130624
0.224717	9.29E-07	-0.03177	0.49338	0.257383	1.68E-08	0.145385	0.00163	0.213583
0.259884	1.20E-08	0.252213	3.29E-08	0.382308	1.06E-17	0.364066	4.40E-16	0.191359
0.311959	5.34E-12	0.148802	0.00126	0.635936	2.74E-54	0.479247	3.43E-28	0.464699
0.208526	5.51E-06	0.096621	0.03686	0.408296	3.45E-20	0.386719	4.16E-18	0.238003
0.448107	1.91E-24	0.423379	9.80E-22	0.695786	7.81E-69	0.722381	1.62E-76	0.477392
0.242717	1.09E-07	-0.02478	0.59319	0.402728	1.23E-19	0.213415	3.27E-06	0.245333
0.274053	1.72E-09	0.128631	0.00537	0.458735	1.11E-25	0.489401	1.70E-29	0.26006
0.255549	2.13E-08	0.170499	0.00021	0.643395	6.34E-56	0.56707	4.34E-41	0.410349
0.168067	0.00026	0.024303	0.60037	0.283656	4.32E-10	0.238979	1.73E-07	0.124903
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0.393539	9.49E-19	0.264467	6.49E-09	0.413276	1.09E-20	0.379379	1.96E-17	0.287369
0.239892	1.55E-07	0.008685	0.85152	0.271545	2.45E-09	0.215698	2.55E-06	0.200487
0.374797	5.06E-17	0.292898	1.08E-10	0.722423	1.58E-76	0.634103	6.81E-54	0.487949
0.341297	3.33E-14	0.243569	9.82E-08	0.661632	4.01E-60	0.510761	2.16E-32	0.545101
0.234989	2.80E-07	0.125004	0.00684	0.361292	7.60E-16	0.266317	5.05E-09	0.262145
0.355628	2.28E-15	0.176898	0.00012	0.505793	1.06E-31	0.479654	3.05E-28	0.289327
0.27836	9.32E-10	0.035784	0.44043	0.45426	3.72E-25	0.351878	4.66E-15	0.255045
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0.466925	1.16E-26	0.599287	7.25E-47	0.719614	1.12E-75	0.818141	#####	0.507334
0.279496	7.91E-10	0.183391	6.71E-05	0.593769	7.88E-46	0.572591	4.93E-42	0.376681
0.42064	1.90E-21	0.102117	0.02734	0.414685	7.80E-21	0.311637	5.63E-12	0.219606
0.248656	5.19E-08	0.299521	3.90E-11	0.600696	3.91E-47	0.61221	2.26E-49	0.367276
0.338308	5.73E-14	0.20008	1.32E-05	0.621456	3.08E-51	0.529572	4.06E-35	0.418315

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0.254973	2.30E-08	0.086169	0.0628	0.638628	7.12E-55	0.52323	3.52E-34	0.436112
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0.358233	1.38E-15	0.405343	6.79E-20	0.558543	1.16E-39	0.60383	9.82E-48	0.387713
0.434969	5.60E-23	0.420097	2.16E-21	0.494447	3.66E-30	0.568958	2.07E-41	0.333096
0.380339	1.60E-17	0.377853	2.69E-17	0.430578	1.68E-22	0.405004	7.34E-20	0.304566
0.105286	0.02288	-0.03519	0.44811	0.259767	1.22E-08	0.235498	2.63E-07	0.113397
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0.220493	1.50E-06	0.326382	4.71E-13	0.389652	2.21E-18	0.595904	3.15E-46	0.227501
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0.310556	6.71E-12	0.162344	0.00043	0.360234	9.34E-16	0.254458	2.46E-08	0.265371
0.282944	4.79E-10	0.083264	0.07223	0.49483	3.25E-30	0.359305	1.12E-15	0.303189
0.350904	5.60E-15	0.386593	4.27E-18	0.76916	1.81E-92	0.756727	7.06E-88	0.555803
0.302216	2.56E-11	0.090663	0.05023	0.368502	1.82E-16	0.335417	9.64E-14	0.223978
0.311727	5.55E-12	0.055346	0.23258	0.383078	9.01E-18	0.29912	4.16E-11	0.159139
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0.292569	1.14E-10	0.220105	1.56E-06	0.629916	5.32E-53	0.538525	1.78E-36	0.450548
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0.320513	1.29E-12	0.390712	1.76E-18	0.491876	8.02E-30	0.471967	2.79E-27	0.387506
0.27808	9.70E-10	0.412736	1.23E-20	0.396892	4.54E-19	0.526821	1.04E-34	0.32182
0.259742	1.23E-08	0.22617	7.87E-07	0.415567	6.34E-21	0.469313	5.92E-27	0.258415
0.381914	1.15E-17	0.279463	7.95E-10	0.577324	7.38E-43	0.56312	2.01E-40	0.404961
0.410478	2.09E-20	0.217272	2.14E-06	0.621449	3.09E-51	0.489845	1.48E-29	0.447467
0.333145	1.44E-13	0.295942	6.80E-11	0.447708	2.12E-24	0.478197	4.66E-28	0.274848
0.322148	9.74E-13	0.221089	1.40E-06	0.723355	8.17E-77	0.602445	1.81E-47	0.488881
0.224743	9.27E-07	-0.01484	0.74903	0.290913	1.47E-10	0.331019	2.10E-13	0.088259
0.204356	8.53E-06	0.032513	0.48336	0.375239	4.62E-17	0.234667	2.91E-07	0.291933
0.273921	1.75E-09	0.023023	0.6197	0.464321	2.39E-26	0.325787	5.22E-13	0.24682
0.318373	1.84E-12	0.224625	9.39E-07	0.341026	3.50E-14	0.298497	4.58E-11	0.207507
0.350566	5.97E-15	0.319583	1.50E-12	0.643229	6.90E-56	0.615227	5.65E-50	0.43428
0.505015	1.36E-31	0.44833	1.80E-24	0.75224	2.75E-86	0.687866	1.05E-66	0.545833
0.30171	2.77E-11	0.262554	8.41E-09	0.61708	2.39E-50	0.558078	1.38E-39	0.419907
0.45278	5.53E-25	0.373712	6.32E-17	0.813911	#####	0.679293	1.77E-64	0.632025
-0.08384	0.07028	-0.16144	0.00046	-0.30873	9.03E-12	-0.42165	1.49E-21	-0.16799
0.397725	3.77E-19	0.350346	6.22E-15	0.772017	1.45E-93	0.701754	1.75E-70	0.587248
0.053797	0.24594	0.072913	0.11559	0.299016	4.22E-11	0.347714	1.02E-14	0.184062
0.298657	4.47E-11	0.171115	0.0002	0.484287	7.81E-29	0.329623	2.68E-13	0.34284
0.393808	8.95E-19	0.322124	9.78E-13	0.795153	#####	0.665764	4.08E-61	0.609455
-0.13484	0.00351	-0.27661	1.20E-09	-0.32704	4.20E-13	-0.43605	4.27E-23	-0.231

0.252329	3.24E-08	0.194517	2.31E-05	0.47853	4.23E-28	0.411043	1.83E-20	0.416404
0.054974	0.23574	0.261253	1.00E-08	0.135385	0.00337	0.332781	1.54E-13	0.08597
0.057483	0.21501	-0.02396	0.60557	0.061942	0.18146	0.076419	0.09906	0.096245
0.186922	4.81E-05	0.122238	0.00818	0.51546	4.67E-33	0.469794	5.17E-27	0.353897
0.317052	2.30E-12	0.24843	5.34E-08	0.65531	1.24E-58	0.485635	5.23E-29	0.524525
0.007087	0.8786	0.224676	9.34E-07	0.221261	1.37E-06	0.235318	2.69E-07	0.239797
0.19118	3.20E-05	0.282982	4.77E-10	0.523943	2.77E-34	0.531344	2.20E-35	0.454427
0.362349	6.17E-16	0.333404	1.38E-13	0.648815	3.84E-57	0.49658	1.90E-30	0.565394
0.323714	7.46E-13	0.250535	4.08E-08	0.332245	1.69E-13	0.340883	3.60E-14	0.233598
0.084255	0.06889	0.247929	5.69E-08	0.321087	1.17E-12	0.371771	9.39E-17	0.377349
0.012783	0.78293	0.067502	0.14526	0.091308	0.04861	0.08373	0.07065	0.172912
-0.04052	0.38236	0.075545	0.103	0.132131	0.00423	0.139527	0.00251	0.162362
0.08593	0.06354	0.073779	0.11132	0.300975	3.11E-11	0.285236	3.42E-10	0.313292
0.126788	0.00608	0.145259	0.00165	0.320057	1.39E-12	0.267662	4.20E-09	0.298209
0.117191	0.01126	0.142452	0.00203	0.395091	6.75E-19	0.428336	2.92E-22	0.302985
0.059507	0.19927	0.141359	0.0022	0.050109	0.27986	0.201396	1.16E-05	0.117746
0.295924	6.82E-11	0.385155	5.80E-18	0.567099	4.29E-41	0.550779	2.11E-38	0.485535
0.344912	1.72E-14	0.235164	2.74E-07	0.487795	2.75E-29	0.426933	4.12E-22	0.460062
0.227484	6.76E-07	0.194425	2.33E-05	0.505472	1.17E-31	0.368349	1.87E-16	0.494541
0.199893	1.35E-05	0.225992	8.03E-07	0.404199	8.81E-20	0.378504	2.35E-17	0.359983
0.148923	0.00125	0.14506	0.00167	0.33013	2.46E-13	0.335703	9.16E-14	0.335567
0.123258	0.00766	0.027258	0.55681	0.175287	0.00014	0.225106	8.89E-07	0.20806
0.199551	1.40E-05	0.085293	0.06553	0.197384	1.74E-05	0.146638	0.00149	0.231908
0.223532	1.06E-06	0.267977	4.02E-09	0.527733	7.64E-35	0.48356	9.68E-29	0.48145
0.365537	3.29E-16	0.290972	1.45E-10	0.617217	2.24E-50	0.451156	8.52E-25	0.589194
0.054648	0.23853	0.108037	0.01953	0.277047	1.12E-09	0.253839	2.66E-08	0.312471
0.368551	1.80E-16	0.408038	3.66E-20	0.569586	1.62E-41	0.540404	9.13E-37	0.453102
0.283731	4.27E-10	0.187479	4.57E-05	0.528026	6.91E-35	0.425879	5.33E-22	0.375016
0.196347	1.93E-05	0.193479	2.56E-05	0.437401	3.03E-23	0.43078	1.60E-22	0.41389
0.236203	2.42E-07	0.140484	0.00234	0.500286	6.02E-31	0.348393	8.98E-15	0.449799
0.044865	0.33333	-0.07259	0.11723	0.281496	5.92E-10	0.165688	0.00032	0.229195
0.040047	0.38789	-0.01174	0.80021	0.12465	0.007	-0.00435	0.92525	0.186776
0.09241	0.04594	0.102573	0.02665	0.097719	0.03476	0.14486	0.0017	0.185982
0.15056	0.0011	0.164893	0.00035	0.434053	7.05E-23	0.367747	2.11E-16	0.371698
0.076638	0.0981	0.040152	0.38664	0.406736	4.94E-20	0.291146	1.41E-10	0.356547
0.276514	1.21E-09	0.219608	1.65E-06	0.480932	2.10E-28	0.383579	8.11E-18	0.437647
0.147146	0.00143	0.138168	0.00277	0.382795	9.57E-18	0.27927	8.17E-10	0.364145
0.090889	0.04965	0.166756	0.0003	0.292345	1.18E-10	0.203589	9.24E-06	0.378842
0.162665	0.00042	0.159781	0.00053	0.323331	7.96E-13	0.121163	0.00877	0.385694
0.214612	2.87E-06	0.278202	9.53E-10	0.289838	1.72E-10	0.329619	2.69E-13	0.318354
-0.01049	0.82115	-0.09853	0.03327	0.039996	0.38849	0.011313	0.80736	0.009859
0.005485	0.90589	-0.05512	0.2345	-0.00622	0.89334	0.021024	0.65044	-0.07451
0.083146	0.07264	-0.04751	0.30555	0.074686	0.10698	0.020261	0.66232	0.056293
0.162822	0.00041	0.034573	0.45607	0.177991	0.00011	0.131032	0.00456	0.084605
0.011486	0.80448	-0.0606	0.19114	0.081618	0.07807	0.121636	0.00851	0.008488

-0.08599	0.06336	-0.21253	3.59E-06	-0.21171	3.93E-06	-0.17149	0.0002	-0.22012
0.04679	0.31298	-0.01015	0.82679	0.021553	0.64223	-0.00432	0.9259	-0.04239
0.147662	0.00137	-0.21314	3.37E-06	0.15295	0.00091	0.011191	0.80939	-0.00786
-0.03086	0.50588	-0.07218	0.11931	-0.05083	0.27298	-0.00686	0.88241	-0.06822
-0.17678	0.00012	-0.21323	3.33E-06	-0.08673	0.06111	-0.04873	0.29331	-0.1742
0.077208	0.09561	-0.04976	0.28325	-0.07879	0.08898	-0.06355	0.17035	-0.12788
-0.00506	0.91313	-0.11282	0.01471	0.129459	0.00508	0.154369	0.00082	-0.03223
0.04881	0.29252	-0.10698	0.02076	0.045571	0.32577	0.030179	0.51532	-0.05089
0.058062	0.21041	-0.03706	0.42425	-0.01443	0.75584	-0.01068	0.81791	-0.06421
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0.011377	0.8063	-0.05584	0.22845	-0.01139	0.80605	-0.03697	0.42542	-0.04968
0.086351	0.06225	0.063012	0.17402	0.120026	0.00943	0.060019	0.19542	0.050998
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0.073603	0.11218	-0.06804	0.14209	-0.0595	0.19932	-0.02278	0.62341	-0.10022
0.049624	0.28455	-0.10216	0.02727	-0.04894	0.29126	-0.05605	0.22668	-0.07099
-0.07955	0.08594	-0.17699	0.00012	-0.19657	1.88E-05	-0.15894	0.00057	-0.21816
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0.069963	0.13112	0.026308	0.57064	0.123601	0.00749	0.150379	0.00112	0.06038
0.019836	0.66898	-0.01707	0.71297	-0.04503	0.33154	-0.01608	0.72887	-0.12771
-0.00185	0.96826	-0.14319	0.00192	0.11728	0.0112	0.023486	0.61268	-0.03288
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0.001211	0.97917	-0.05652	0.22277	0.042097	0.36404	0.026482	0.5681	-0.00538
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-0.04698	0.31104	-0.08223	0.07586	-0.12004	0.00942	-0.06839	0.14002	-0.175
0.012435	0.78869	-0.05512	0.23446	-0.08075	0.08132	-0.04601	0.32113	-0.17915
-0.01911	0.68035	-0.11944	0.00978	-0.15335	0.00089	-0.08515	0.06598	-0.15194
-0.08326	0.07225	-0.19001	3.58E-05	-0.19547	2.10E-05	-0.16375	0.00038	-0.19274
0.039281	0.39704	-0.04577	0.32364	-0.11446	0.01333	-0.05171	0.26479	-0.03684
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-0.23207	3.96E-07	-0.39226	1.26E-18	-0.31532	3.07E-12	-0.35164	4.88E-15	-0.30419
-0.05177	0.26418	-0.11446	0.01332	-0.12308	0.00775	-0.05049	0.2762	-0.16471
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-0.01083	0.81539	-0.14926	0.00122	0.029332	0.52719	0.052037	0.26175	-0.01298
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0.008824	0.84918	0.025791	0.57825	0.064799	0.16211	0.020222	0.66292	0.084008
0.138741	0.00266	0.222763	1.16E-06	0.198624	1.53E-05	0.205449	7.62E-06	0.129197
0.076113	0.10043	-0.03551	0.44399	0.04684	0.31246	0.022348	0.63002	-0.0655
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0.188056	4.32E-05	0.149156	0.00123	0.069598	0.13315	0.004505	0.92266	0.115715
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0.103575	0.0252	-0.00087	0.98497	0.084107	0.06938	-0.00253	0.95658	0.078622
0.247608	5.92E-08	0.067923	0.14276	0.218697	1.83E-06	0.228134	6.27E-07	0.091741
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0.2177	2.04E-06	0.031533	0.49664	0.199416	1.41E-05	0.147418	0.0014	0.089902
0.134686	0.00354	0.01291	0.78082	0.069417	0.13416	-0.00143	0.97545	0.044674
-0.03685	0.42691	-0.02423	0.60142	-0.02138	0.64498	-0.03172	0.49412	-0.05829
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-0.02325	0.61619	-0.04315	0.35218	-0.06202	0.18087	-0.0506	0.27516	-0.09889
-0.05238	0.25861	-0.04007	0.38767	-0.11025	0.01715	-0.08018	0.08349	-0.10172
0.143016	0.00195	-0.01466	0.75196	0.12531	0.0067	0.069584	0.13322	0.038136
0.045871	0.32259	-0.06498	0.16094	-0.04287	0.35526	-0.03421	0.4608	-0.14352
0.031871	0.49204	-0.04705	0.3103	-0.04254	0.35897	0.008513	0.85443	-0.12831
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0.005282	0.90936	-0.05784	0.21217	-0.07679	0.09741	-0.04857	0.29495	-0.12349
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0.020701	0.65545	-0.02764	0.55133	-0.02888	0.53356	-0.03245	0.4842	-0.04285
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0.037957	0.41315	-0.15031	0.00112	-0.00607	0.89584	-0.02113	0.64871	-0.09628
0.071636	0.12213	-0.0933	0.04388	-0.04936	0.2871	-0.04009	0.38733	-0.11989
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0.088654	0.05556	0.028549	0.53828	0.037581	0.41781	0.10146	0.02835	0.021842
0.013044	0.7786	-0.0197	0.67105	0.019759	0.67019	-0.02556	0.58168	-0.02863
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0.055279	0.23315	-0.084	0.06975	0.060959	0.1885	0.101795	0.02783	0.042334
0.029265	0.52813	-0.00453	0.92227	0.105178	0.02302	0.069921	0.13135	0.041385
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-0.015	0.7464	-0.05813	0.20988	0.032925	0.47782	0.012147	0.79347	0.0196
0.048886	0.29177	-0.07174	0.12158	0.013329	0.77389	-0.03975	0.39142	-0.02125
0.043497	0.3483	-0.04974	0.28344	-0.05346	0.24892	-0.04908	0.28983	-0.09108
0.005259	0.90976	-0.04634	0.31769	0.014622	0.75264	0.012287	0.79114	-0.02441
0.139846	0.00245	-0.08115	0.07978	0.179973	9.20E-05	0.123618	0.00748	0.0664
-0.05579	0.22886	-0.12611	0.00635	-0.02442	0.59867	0.032152	0.48822	-0.02263
0.098654	0.03305	-0.03574	0.44098	0.162844	0.00041	0.020345	0.66101	0.172443
0.145826	0.00158	-0.04862	0.29441	0.045128	0.3305	-0.06204	0.18075	0.015222
-0.02797	0.54659	-0.03026	0.51424	-0.01497	0.74704	-0.0238	0.60795	-0.02487
0.038303	0.4089	0.005094	0.91257	0.086648	0.06135	0.000314	0.99459	0.099006
-0.00022	0.99628	-0.01656	0.72117	0.223645	1.05E-06	0.177972	0.00011	0.127713
0.10225	0.02714	0.119751	0.00959	0.099576	0.03144	0.050273	0.27828	0.086769
-0.05464	0.23859	-0.0377	0.41628	0.030509	0.51073	-0.00706	0.87913	0.026338
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0.049516	0.2856	-0.08268	0.07427	-0.02787	0.54803	-0.07221	0.11914	-0.03803
0.244707	8.53E-08	-0.14356	0.00187	0.1675	0.00028	-0.00026	0.99556	0.032152
0.096752	0.03661	0.064458	0.16433	0.013311	0.77419	0.171596	0.00019	-0.07268
-0.08825	0.0567	-0.1815	8.00E-05	-0.15677	0.00067	-0.03949	0.39453	-0.20452
0.00918	0.84316	-0.05828	0.2087	-0.02289	0.62171	-0.03717	0.42296	-0.06601

0.077052	0.09629	-0.03512	0.44896	-0.04392	0.34364	-0.03251	0.48345	-0.05671
-0.10253	0.02672	-0.1753	0.00014	-0.13154	0.00441	-0.04758	0.30486	-0.18285
0.12191	0.00836	-0.01967	0.67156	0.09643	0.03724	0.114896	0.01297	0.027829
0.186828	4.86E-05	-0.04805	0.30013	0.13344	0.00387	-0.00212	0.96363	-0.00591
-0.02978	0.52084	-0.10822	0.01933	0.018949	0.68296	-0.02031	0.66158	-0.03931
-0.04154	0.37041	-0.1297	0.005	-0.12591	0.00644	-0.11999	0.00945	-0.14781
0.058861	0.2042	0.069616	0.13304	0.043295	0.35054	0.051776	0.26414	-0.01387
-0.00185	0.9682	-0.03382	0.46595	0.04693	0.31153	0.080366	0.08276	-0.04159
-0.0133	0.77439	-0.16014	0.00051	-0.17428	0.00015	-0.14385	0.00183	-0.18949
-0.06284	0.1752	-0.1618	0.00045	-0.19296	2.69E-05	-0.12643	0.00622	-0.1856
0.119601	0.00968	0.030019	0.51756	0.017502	0.706	0.019871	0.66843	-0.01115
-0.04357	0.3475	-0.14106	0.00225	-0.02959	0.52353	-0.02109	0.6494	-0.1125
-0.13872	0.00266	-0.15741	0.00064	-0.24818	5.51E-08	-0.30003	3.60E-11	-0.15088
-0.02577	0.57849	-0.05416	0.24274	0.016965	0.71462	-0.03722	0.42225	-0.01279
-0.05473	0.23783	-0.08382	0.07036	-0.10887	0.0186	-0.09043	0.05083	-0.14321
0.018629	0.68802	0.015819	0.73313	0.031928	0.49126	0.013793	0.76625	0.020205
0.030922	0.50503	-0.0231	0.6186	0.088445	0.05614	0.034707	0.45431	0.049254
-0.11889	0.01013	-0.07617	0.10018	-0.14996	0.00115	-0.10462	0.02376	-0.10251
0.10042	0.03002	-0.00603	0.89661	0.029412	0.52605	0.023361	0.61458	0.017574
-0.03304	0.47624	-0.121	0.00886	0.060174	0.19427	0.020438	0.65956	-0.06917
0.038295	0.409	-0.03373	0.46715	0.042024	0.36488	-0.01486	0.74881	-0.04199
0.053817	0.24575	0.062441	0.17796	0.009769	0.83324	0.089538	0.05316	0.001722
0.122512	0.00804	-0.07568	0.10239	0.119737	0.0096	0.125249	0.00673	0.005718
0.051055	0.27087	-0.06147	0.18478	-0.03251	0.48337	-0.02862	0.53732	-0.11532
-0.03986	0.39007	-0.15894	0.00057	0.089935	0.05211	-0.00561	0.90369	0.073619
-0.07014	0.13012	-0.17868	0.0001	-0.12112	0.00879	-0.03831	0.40876	-0.19029
0.011059	0.8116	-0.06068	0.19055	0.020848	0.65317	0.053	0.25301	-0.01057
0.216289	2.39E-06	0.036326	0.43353	0.180042	9.14E-05	0.068907	0.13705	0.078451
-0.13296	0.004	-0.15638	0.0007	-0.17421	0.00015	-0.18117	8.24E-05	-0.17078
-0.01353	0.77063	-0.06741	0.14582	0.104042	0.02455	0.036419	0.43235	0.049168
0.073776	0.11134	0.042885	0.35513	0.137735	0.00286	0.2164	2.36E-06	0.118352
-0.01631	0.72521	-0.05816	0.20968	-0.03565	0.44211	-0.04863	0.29433	-0.112
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0.054886	0.23649	-0.09867	0.03302	-0.04633	0.31779	-0.02015	0.66412	-0.10132
0.006458	0.88931	-0.01174	0.80026	0.02208	0.63412	-0.01876	0.68591	-0.01421
0.0708	0.12656	-0.10713	0.02059	0.005261	0.90972	0.064636	0.16316	-0.05699
0.036948	0.42569	-0.00629	0.89212	0.029574	0.52378	0.017562	0.70504	0.015913
-0.17649	0.00013	-0.36719	2.36E-16	-0.12751	0.00579	-0.11148	0.01595	-0.16063
0.171756	0.00019	0.052871	0.25416	0.150902	0.00107	0.094832	0.04052	0.133527
0.079165	0.08748	0.046186	0.31928	0.065541	0.15734	0.087679	0.05831	0.021675
0.077268	0.09536	-0.02792	0.54723	-0.00584	0.89989	-0.00131	0.97748	-0.0459
0.038946	0.40108	-0.1199	0.0095	-0.0932	0.04411	-0.04735	0.30727	-0.17556
0.078491	0.09021	0.076502	0.09869	0.056942	0.21936	0.018672	0.68735	0.05357
0.066902	0.14888	0.004161	0.92854	0.050056	0.28036	0.038764	0.40329	0.014302
0.058108	0.21005	-0.11603	0.0121	-0.03228	0.48653	-0.08814	0.057	-0.01809

0.101645	0.02806	0.036465	0.43178	0.118443	0.01042	0.027242	0.55705	0.019635
-0.10775	0.01986	-0.08545	0.06502	-0.04989	0.28194	-0.04028	0.38508	-0.09605
0.073585	0.11227	-0.05729	0.21657	0.050309	0.27794	0.064969	0.161	-0.08764
-0.14665	0.00148	-0.12539	0.00666	-0.0944	0.04145	-0.13928	0.00256	-0.04514
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0.068677	0.13837	-0.04951	0.28564	0.177883	0.00011	0.134982	0.00347	0.089586
0.059895	0.19635	-0.0627	0.17618	-0.04591	0.3222	0.003365	0.94219	-0.08178
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0.198756	1.51E-05	-0.08838	0.05632	0.134662	0.00355	0.153279	0.00089	0.004084
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0.097419	0.03533	-0.09329	0.04389	0.135556	0.00333	0.04319	0.35171	-0.04144
0.000768	0.9868	0.02959	0.52356	0.049726	0.28355	0.039654	0.39257	-0.02955
0.0503	0.27803	-0.25975	1.22E-08	0.07943	0.08642	-0.12189	0.00837	-0.04752
0.025872	0.57705	-0.10275	0.0264	0.022237	0.63171	0.027478	0.55364	-0.05318
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-0.12179	0.00842	-0.1465	0.0015	-0.20493	8.04E-06	-0.16245	0.00042	-0.16784
0.005613	0.90372	0.014942	0.74741	-0.06625	0.15288	-0.028	0.54607	-0.10248
0.019354	0.67656	0.076875	0.09706	0.128798	0.00531	0.015486	0.73855	0.212021
0.1763	0.00013	0.365684	3.19E-16	0.03544	0.44484	0.125588	0.00658	0.137519
0.051165	0.26984	0.077632	0.0938	0.208032	5.81E-06	0.054301	0.24153	0.273144
0.075095	0.10507	0.106096	0.02184	0.155827	0.00073	0.055935	0.22764	0.201214
0.094168	0.04195	0.028331	0.54139	0.15491	0.00078	0.01765	0.70364	0.209756
0.009737	0.83378	0.037488	0.41896	0.121361	0.00866	-0.01679	0.7175	0.205032
0.288949	1.97E-10	0.18728	4.65E-05	0.22168	1.31E-06	0.157793	0.00062	0.21999
0.136807	0.00305	0.0899	0.0522	0.202771	1.00E-05	0.036987	0.42521	0.249398
0.001602	0.97246	0.0257	0.5796	-0.10478	0.02354	-0.1003	0.03021	-0.00213
0.13199	0.00427	0.119368	0.00983	0.29547	7.32E-11	0.100596	0.02974	0.299354
0.015508	0.73818	0.008172	0.8602	0.090738	0.05004	-0.05438	0.24083	0.153852
0.169723	0.00023	0.108069	0.01949	0.245932	7.31E-08	0.033939	0.46437	0.33069
0.026202	0.5722	0.127863	0.00566	0.128643	0.00537	0.027774	0.54937	0.19326
0.016815	0.71704	-0.0345	0.457	0.064329	0.16517	-0.07948	0.0862	0.131151
0.136157	0.0032	0.211031	4.22E-06	0.135377	0.00338	0.063359	0.17165	0.212761
0.134505	0.00359	0.062451	0.17789	0.118305	0.01051	-0.00517	0.91131	0.14581
0.072226	0.11907	0.024203	0.60188	-0.06715	0.14738	-0.09378	0.0428	-0.00385
0.037781	0.41533	-0.02186	0.63753	0.034649	0.45507	0.001543	0.97347	0.079097
0.081966	0.07681	-0.08379	0.07044	0.13331	0.0039	-0.08018	0.08348	0.213083
0.137709	0.00286	-0.01802	0.69776	0.100633	0.02968	-0.06363	0.16982	0.206338
0.013247	0.77525	-0.03495	0.45121	-0.0552	0.23382	-0.19271	2.76E-05	0.055714
0.000299	0.99486	-0.0406	0.38138	0.142443	0.00203	-0.03671	0.42871	0.234847
0.118579	0.01033	0.161796	0.00045	0.143188	0.00192	-0.00671	0.88508	0.220266
0.161115	0.00047	0.092293	0.04622	0.14543	0.00163	0.020291	0.66185	0.157272
0.054665	0.23839	0.046405	0.31698	0.134712	0.00354	-0.05349	0.24864	0.208351
0.034563	0.45619	-0.01902	0.68176	0.111663	0.01577	-0.02303	0.61954	0.182894
0.170056	0.00022	0.180543	8.73E-05	0.294937	7.94E-11	0.169903	0.00023	0.315821
0.170243	0.00022	0.118262	0.01053	0.199212	1.44E-05	-0.01321	0.77578	0.274111



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0.046376	0.31729	0.089587	0.05303	0.150935	0.00107	-0.00996	0.83007	0.259015
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0.096822	0.03647	0.149058	0.00124	0.115214	0.01272	0.006476	0.889	0.243462
0.207995	5.83E-06	0.20143	1.15E-05	0.136885	0.00304	0.038588	0.40542	0.195298
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0.177199	0.00012	0.096492	0.03712	0.180229	8.99E-05	0.028611	0.53739	0.238204
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0.029112	0.53029	0.073479	0.11279	0.177266	0.00012	0.034061	0.46277	0.249518
0.03917	0.39837	0.056796	0.22055	0.140617	0.00232	0.022573	0.62657	0.207993
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0.202997	9.82E-06	0.251608	3.55E-08	0.159352	0.00055	0.155319	0.00076	0.184622
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0.03855	0.40589	0.003396	0.94165	0.138025	0.0028	-0.01203	0.79544	0.196793
0.109036	0.01842	0.124867	0.0069	-0.13241	0.00415	-0.13553	0.00334	-0.00091
0.275262	1.45E-09	0.042015	0.36498	0.142781	0.00198	0.097672	0.03485	0.16654
0.225667	8.34E-07	0.02512	0.58818	0.204705	8.23E-06	0.078917	0.08847	0.259413
0.134483	0.0036	0.047001	0.3108	0.149882	0.00116	0.022213	0.63208	0.192496
0.260503	1.11E-08	0.066453	0.15163	0.130202	0.00483	0.025605	0.58099	0.233271
0.202273	1.06E-05	0.279408	8.01E-10	0.043372	0.34969	0.027483	0.55357	0.159837
0.420424	2.00E-21	0.400714	1.93E-19	0.525502	1.63E-34	0.347191	1.12E-14	0.327105
0.211161	4.16E-06	0.096643	0.03682	0.134633	0.00356	-0.05779	0.21255	0.230431
0.266406	4.99E-09	0.290564	1.54E-10	0.408858	3.03E-20	0.247224	6.22E-08	0.419056
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0.271114	2.60E-09	0.334556	1.12E-13	0.201342	1.16E-05	0.205483	7.59E-06	0.176897
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0.189549	3.75E-05	0.188417	4.18E-05	0.143025	0.00195	0.029755	0.52125	0.226464
0.423679	9.11E-22	0.587433	1.15E-44	0.559213	8.96E-40	0.470746	3.95E-27	0.462364
0.506557	8.32E-32	0.519751	1.13E-33	0.629031	8.17E-53	0.453242	4.89E-25	0.613792
0.089855	0.05232	0.189193	3.88E-05	-0.04158	0.36998	-0.09128	0.04868	0.078832
0.131217	0.00451	0.126962	0.00601	0.123484	0.00755	-0.02989	0.51936	0.208285
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0.261246	1.00E-08	0.516005	3.90E-33	0.286469	2.85E-10	0.247892	5.71E-08	0.338379
0.41111	1.80E-20	0.50539	1.21E-31	0.411979	1.47E-20	0.419936	2.25E-21	0.381021
0.307654	1.07E-11	0.486574	3.96E-29	0.181355	8.10E-05	0.102371	0.02696	0.148144
0.238188	1.90E-07	0.189905	3.62E-05	0.223692	1.04E-06	0.15211	0.00098	0.138764
0.129816	0.00496	0.169218	0.00024	0.119881	0.00951	-0.02442	0.59866	0.246764
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0.152184	0.00097	-0.02001	0.66631	-0.09865	0.03307	-0.20674	6.65E-06	-0.04284
0.435474	4.93E-23	0.428925	2.53E-22	0.572173	5.82E-42	0.275306	1.44E-09	0.556692
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0.652173	6.57E-58	0.274489	1.62E-09	0.341787	3.05E-14	0.152469	0.00095	0.314277
0.104814	0.0235	0.21643	2.35E-06	0.058526	0.20679	-0.00149	0.9743	0.172417
0.191771	3.02E-05	0.245951	7.30E-08	0.161732	0.00045	0.024041	0.60431	0.188537
0.471174	3.50E-27	0.540967	7.47E-37	0.591112	2.44E-45	0.372275	8.47E-17	0.537867
0.300676	3.26E-11	0.282254	5.30E-10	0.346366	1.31E-14	0.130713	0.00466	0.390806
0.074463	0.10804	0.077048	0.09631	-0.04085	0.3784	-0.01823	0.69439	0.081257
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0.221907	1.28E-06	0.327281	4.03E-13	0.075222	0.10448	0.032959	0.47737	0.128981
0.125195	0.00675	-0.02697	0.56094	0.196524	1.89E-05	-0.03412	0.46197	0.129274
0.08475	0.06727	0.134447	0.0036	0.189315	3.83E-05	0.030869	0.50576	0.212895
0.47308	2.03E-27	0.599444	6.77E-47	0.649834	2.25E-57	0.557274	1.87E-39	0.622327
-0.02472	0.59409	0.127189	0.00592	0.276238	1.26E-09	0.038503	0.40646	0.252434
0.29075	1.50E-10	0.31006	7.28E-12	0.131462	0.00443	-0.03715	0.4232	0.150146
0.101808	0.02781	0.099006	0.03243	-0.07835	0.09081	-0.14064	0.00232	-0.08854
0.298641	4.48E-11	0.426907	4.15E-22	0.224335	9.71E-07	0.18081	8.52E-05	0.25782
0.598385	1.07E-46	0.44496	4.34E-24	0.583405	6.15E-44	0.297483	5.36E-11	0.585116
0.423502	9.51E-22	0.422646	1.17E-21	0.542263	4.69E-37	0.265229	5.85E-09	0.715033
0.436558	3.75E-23	0.417416	4.09E-21	0.607885	1.61E-48	0.372405	8.25E-17	0.565256
0.278293	9.41E-10	0.116534	0.01173	0.080491	0.08228	0.020244	0.66259	0.114351
0.075455	0.10341	0.206798	6.61E-06	-0.07871	0.08933	-0.09436	0.04152	-0.03819
0.061871	0.18196	-0.04371	0.34594	-0.08151	0.07845	-0.21575	2.53E-06	-0.07572
0.18348	6.65E-05	0.262541	8.43E-09	0.302517	2.44E-11	0.178065	0.00011	0.292086
0.345943	1.42E-14	0.652335	6.03E-58	0.256614	1.85E-08	0.38647	4.38E-18	0.267578
0.41183	1.52E-20	0.476067	8.63E-28	0.360237	9.34E-16	0.381355	1.30E-17	0.34795
0.356782	1.83E-15	0.523037	3.76E-34	0.367037	2.44E-16	0.201895	1.10E-05	0.395859
0.39823	3.37E-19	0.523524	3.19E-34	0.347865	9.92E-15	0.15342	0.00088	0.427467
0.210716	4.37E-06	0.29397	9.21E-11	-0.02864	0.53705	-0.13837	0.00273	0.039834
0.213144	3.36E-06	0.321614	1.07E-12	0.130798	0.00464	-0.03206	0.4895	0.190295
0.476272	8.13E-28	0.323876	7.25E-13	0.658422	2.31E-59	0.392846	1.10E-18	0.563173
0.184105	6.28E-05	0.41414	8.87E-21	-0.06409	0.16676	-0.0594	0.20011	0.029942
-0.06715	0.14739	-0.25291	3.01E-08	-0.00643	0.88971	-0.05249	0.25758	0.094901
0.292241	1.20E-10	0.060978	0.18836	0.312625	4.79E-12	-0.03656	0.43057	0.311746
0.33948	4.64E-14	0.487211	3.27E-29	0.188876	4.00E-05	0.041949	0.36573	0.24053
0.394278	8.07E-19	0.526639	1.11E-34	0.465241	1.85E-26	0.293418	1.00E-10	0.45519
0.376016	3.94E-17	0.471973	2.79E-27	0.437018	3.34E-23	0.398121	3.45E-19	0.319586
0.346778	1.21E-14	0.627595	1.64E-52	0.200976	1.21E-05	0.281434	5.97E-10	0.249125
0.419409	2.55E-21	0.390877	1.70E-18	0.597436	1.62E-46	0.338922	5.13E-14	0.511026
0.401426	1.65E-19	0.37498	4.87E-17	0.565124	9.26E-41	0.329856	2.58E-13	0.421084
0.325839	5.18E-13	0.31415	3.72E-12	0.56601	6.56E-41	0.28039	6.95E-10	0.505494
0.419186	2.69E-21	0.29581	6.94E-11	0.422181	1.31E-21	0.187591	4.52E-05	0.318487
0.454352	3.63E-25	0.445085	4.20E-24	0.590513	3.15E-45	0.371707	9.51E-17	0.490266
0.454271	3.71E-25	0.463388	3.10E-26	0.505666	1.10E-31	0.205075	7.92E-06	0.512787

0.447912	2.01E-24	0.491731	8.38E-30	0.548598	4.71E-38	0.305045	1.63E-11	0.504924
0.369442	1.50E-16	0.359998	9.78E-16	0.493331	5.15E-30	0.347725	1.02E-14	0.347395
0.270452	2.85E-09	0.355854	2.18E-15	0.116702	0.01161	-0.01689	0.7158	0.14496
0.462011	4.53E-26	0.581762	1.21E-43	0.55906	9.49E-40	0.420169	2.12E-21	0.517837
0.339759	4.41E-14	0.303822	1.98E-11	0.048525	0.29536	-0.03113	0.50215	0.103407
0.197031	1.80E-05	0.192729	2.75E-05	0.076762	0.09755	-0.06224	0.17937	0.113476
0.334643	1.11E-13	0.576089	1.21E-42	0.190863	3.30E-05	0.313331	4.26E-12	0.216058
0.268962	3.51E-09	0.367153	2.38E-16	-0.00314	0.94607	-0.0666	0.15073	0.03595
-0.16855	0.00025	-0.12562	0.00656	-0.16368	0.00038	-0.04784	0.30227	-0.13166
0.258807	1.39E-08	0.377931	2.65E-17	0.155693	0.00074	0.021777	0.63879	0.199337
0.10301	0.02601	0.388698	2.72E-18	0.062087	0.18044	0.06128	0.18618	0.16144
0.261953	9.12E-09	0.402682	1.24E-19	0.584931	3.27E-44	0.424012	8.40E-22	0.521578
0.282225	5.32E-10	0.467791	9.08E-27	0.251183	3.75E-08	0.207182	6.35E-06	0.259896
0.167673	0.00027	0.256075	1.99E-08	0.005172	0.91124	0.027815	0.54878	0.029743
0.263833	7.08E-09	0.272179	2.24E-09	0.096991	0.03614	0.049061	0.29005	0.195487
0.642076	1.24E-55	0.356049	2.10E-15	0.578305	4.96E-43	0.255152	2.25E-08	0.536051
0.174367	0.00015	-0.13852	0.0027	0.018799	0.68533	0.10111	0.02891	-0.0487
0.318504	1.80E-12	0.537201	2.85E-36	0.260957	1.04E-08	0.190359	3.46E-05	0.306999
0.21406	3.05E-06	0.355113	2.52E-15	0.139218	0.00257	0.129076	0.00521	0.254803
0.389164	2.46E-18	0.493913	4.31E-30	0.674372	3.10E-63	0.539823	1.12E-36	0.55442
0.384521	6.64E-18	0.507913	5.39E-32	0.478088	4.81E-28	0.336615	7.78E-14	0.506755
0.426599	4.47E-22	0.518678	1.61E-33	0.443935	5.67E-24	0.446738	2.73E-24	0.363823
0.326495	4.62E-13	0.140794	0.00229	0.174783	0.00015	-0.05721	0.21719	0.292807
0.171696	0.00019	0.101156	0.02883	0.044783	0.33422	-0.05245	0.25801	0.091441
0.064382	0.16482	-0.09891	0.03261	0.058926	0.20369	0.121044	0.00883	-0.02891
0.280545	6.80E-10	0.444726	4.62E-24	0.351741	4.78E-15	0.291198	1.40E-10	0.291521
0.437278	3.13E-23	0.383873	7.62E-18	0.593376	9.32E-46	0.306873	1.22E-11	0.517112
0.111891	0.01556	0.166511	0.0003	0.162315	0.00043	-0.00252	0.95666	0.257944
0.248186	5.50E-08	0.198195	1.60E-05	0.148256	0.00131	-0.00448	0.92302	0.157381
0.366829	2.54E-16	0.223174	1.11E-06	0.565497	8.01E-41	0.335205	1.00E-13	0.468427
0.194412	2.33E-05	-0.03234	0.48565	0.137041	0.003	-0.07119	0.12449	0.188529
0.267461	4.31E-09	0.134897	0.00349	0.227859	6.48E-07	0.042814	0.35593	0.32798
0.265598	5.57E-09	0.412953	1.17E-20	0.281533	5.89E-10	0.182008	7.63E-05	0.37437
0.381533	1.25E-17	0.527732	7.64E-35	0.564325	1.26E-40	0.44631	3.05E-24	0.586068
0.23096	4.51E-07	0.462978	3.47E-26	0.25749	1.65E-08	0.339326	4.77E-14	0.113402
0.448762	1.61E-24	0.629892	5.38E-53	0.414573	8.01E-21	0.387681	3.38E-18	0.421304
0.459044	1.02E-25	0.531984	1.77E-35	0.484294	7.79E-29	0.276147	1.28E-09	0.460262
0.387803	3.29E-18	0.481533	1.76E-28	0.313669	4.03E-12	0.149938	0.00115	0.299462
0.343066	2.41E-14	0.424416	7.62E-22	0.2638	7.11E-09	0.067565	0.14488	0.267369
0.193995	2.43E-05	0.350832	5.68E-15	0.105879	0.02212	-0.0275	0.55338	0.222031
0.34556	1.52E-14	0.287218	2.55E-10	0.415498	6.45E-21	0.23538	2.67E-07	0.521484
0.248784	5.10E-08	0.246616	6.71E-08	0.139568	0.0025	-0.10234	0.027	0.184395
0.646265	1.45E-56	0.512457	1.24E-32	0.252149	3.32E-08	0.201881	1.10E-05	0.272896
0.480547	2.35E-28	0.586816	1.49E-44	0.651629	8.75E-58	0.475624	9.80E-28	0.611582
0.19669	1.86E-05	0.287579	2.42E-10	0.065869	0.15527	0.011453	0.80503	0.209714

-0.0317	0.49432	-0.07841	0.09054	0.082868	0.0736	0.134752	0.00353	-0.03923
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0.467564	9.68E-27	0.597971	1.29E-46	0.436277	4.03E-23	0.353263	3.58E-15	0.424703
0.208276	5.66E-06	0.298313	4.71E-11	-0.00184	0.96836	-0.1634	0.00039	0.090533
0.343091	2.40E-14	0.45911	1.00E-25	0.306749	1.24E-11	0.108783	0.0187	0.36275
0.370147	1.30E-16	0.539275	1.37E-36	0.233506	3.34E-07	0.169087	0.00024	0.287116
0.267615	4.22E-09	0.338945	5.11E-14	0.15528	0.00076	-0.03859	0.40541	0.177864
0.395185	6.61E-19	0.474306	1.43E-27	0.363619	4.81E-16	0.192769	2.74E-05	0.287397
0.431415	1.36E-22	0.593231	9.91E-46	0.541966	5.22E-37	0.380519	1.54E-17	0.507932
0.426107	5.05E-22	0.487609	2.90E-29	0.442773	7.66E-24	0.231839	4.07E-07	0.442402
0.266952	4.63E-09	0.404517	8.20E-20	0.064927	0.16128	-0.02223	0.6318	0.157922
0.239644	1.59E-07	0.284511	3.81E-10	0.159616	0.00054	-0.00457	0.9216	0.212109
0.349882	6.79E-15	0.483258	1.06E-28	0.234626	2.92E-07	0.054578	0.23913	0.276174
0.34615	1.36E-14	0.271719	2.39E-09	0.362566	5.92E-16	0.269171	3.41E-09	0.238665
0.346072	1.38E-14	0.334435	1.15E-13	0.2695	3.26E-09	0.002306	0.96037	0.296223
0.109384	0.01805	-0.02511	0.5883	-0.04721	0.30864	-0.14194	0.00211	0.02516
0.517256	2.58E-33	0.678428	2.93E-64	0.528248	6.40E-35	0.435519	4.88E-23	0.517357
0.022287	0.63095	-0.03979	0.39091	-0.11	0.0174	-0.34303	2.43E-14	-0.01191
0.494143	4.02E-30	0.504767	1.47E-31	0.630163	4.71E-53	0.452849	5.43E-25	0.577337
0.17696	0.00012	0.403584	1.01E-19	0.008509	0.85449	0.021639	0.64091	0.115582
0.060723	0.19022	0.167286	0.00028	-0.09068	0.05018	-0.15362	0.00087	0.063124
0.379591	1.87E-17	0.546898	8.78E-38	0.317304	2.20E-12	0.197531	1.71E-05	0.370902
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0.372882	7.49E-17	0.559885	6.93E-40	0.311975	5.33E-12	0.167892	0.00027	0.389322
0.447937	1.99E-24	0.512438	1.25E-32	0.593938	7.33E-46	0.365833	3.10E-16	0.597028
0.607793	1.67E-48	0.464439	2.31E-26	0.528097	6.74E-35	0.275349	1.43E-09	0.52952
0.403063	1.14E-19	0.578959	3.80E-43	0.331425	1.96E-13	0.352177	4.40E-15	0.270008
0.393108	1.04E-18	0.372393	8.27E-17	0.526099	1.33E-34	0.20871	5.41E-06	0.522336
0.416111	5.58E-21	0.533299	1.12E-35	0.612782	1.74E-49	0.50709	7.02E-32	0.495225
0.712654	1.32E-73	0.476052	8.67E-28	0.530952	2.52E-35	0.312291	5.06E-12	0.539404
0.432607	1.01E-22	0.510402	2.42E-32	0.412161	1.41E-20	0.22939	5.42E-07	0.378083
0.283465	4.44E-10	0.326216	4.85E-13	0.266594	4.86E-09	0.00851	0.85447	0.286583
0.250451	4.12E-08	0.276254	1.26E-09	0.434182	6.83E-23	0.260936	1.05E-08	0.350029
0.432267	1.10E-22	0.567326	3.93E-41	0.449568	1.30E-24	0.359885	1.00E-15	0.397255
0.198517	1.55E-05	0.516297	3.54E-33	0.126584	0.00616	0.16879	0.00025	0.204181
0.404962	7.41E-20	0.518856	1.52E-33	0.433033	9.11E-23	0.262037	9.02E-09	0.426722
0.213176	3.35E-06	0.259736	1.23E-08	0.306158	1.37E-11	0.083773	0.0705	0.349234
0.509614	3.12E-32	0.320772	1.23E-12	0.584209	4.41E-44	0.276968	1.14E-09	0.501158
0.18595	5.28E-05	0.275627	1.38E-09	0.196573	1.88E-05	0.177876	0.00011	0.140573
0.039218	0.3978	0.305919	1.42E-11	0.036432	0.43219	0.06485	0.16177	0.14196
-0.22463	9.39E-07	-0.24361	9.77E-08	-0.12535	0.00668	-0.09396	0.0424	-0.15914
0.472297	2.54E-27	0.636832	1.75E-54	0.630117	4.82E-53	0.479553	3.14E-28	0.581372
0.280212	7.13E-10	0.255133	2.25E-08	0.183609	6.58E-05	-0.00826	0.85876	0.118888

0.344802	1.75E-14	0.428193	3.03E-22	0.27539	1.42E-09	0.172511	0.00018	0.243288
0.444385	5.04E-24	0.588751	6.63E-45	0.542342	4.56E-37	0.367141	2.39E-16	0.510065
0.440363	1.42E-23	0.62194	2.45E-51	0.374655	5.21E-17	0.328267	3.40E-13	0.399789
0.208583	5.48E-06	0.380524	1.54E-17	0.244483	8.77E-08	0.244781	8.45E-08	0.497185
0.334616	1.11E-13	0.354336	2.92E-15	0.297402	5.43E-11	0.207976	5.84E-06	0.266549
0.284858	3.62E-10	0.273805	1.78E-09	0.421857	1.42E-21	0.178207	0.00011	0.431796
0.109422	0.01801	0.164698	0.00035	0.057104	0.21805	-0.07631	0.09955	0.191315
-0.05057	0.27543	0.016325	0.72494	-0.09589	0.03831	0.232229	3.88E-07	-0.19262
0.235104	2.76E-07	0.12479	0.00693	0.197925	1.64E-05	-0.08063	0.08175	0.224421
0.562689	2.37E-40	0.548672	4.59E-38	0.683313	1.63E-65	0.46128	5.54E-26	0.603538
0.446878	2.63E-24	0.457332	1.63E-25	0.531986	1.76E-35	0.265642	5.53E-09	0.520975
0.401586	1.59E-19	0.282457	5.15E-10	0.618344	1.33E-50	0.29441	8.61E-11	0.508706
0.500167	6.24E-31	0.554604	5.09E-39	0.288855	2.00E-10	0.168906	0.00025	0.322171
0.346244	1.34E-14	0.545302	1.57E-37	0.229566	5.31E-07	0.180919	8.43E-05	0.24415
0.126591	0.00616	0.142437	0.00203	0.008062	0.86205	-0.14029	0.00238	0.205678
0.112179	0.01529	0.403394	1.06E-19	0.077707	0.09348	0.101668	0.02803	0.031981
0.003066	0.94731	-0.15469	0.0008	-0.04567	0.32474	-0.33974	4.43E-14	-0.0221
0.194132	2.40E-05	0.074794	0.10647	0.025061	0.58905	-0.20007	1.32E-05	0.05651
0.344171	1.97E-14	0.215601	2.57E-06	0.467763	9.15E-27	0.102541	0.0267	0.408939
0.033904	0.46483	-0.14106	0.00225	-0.1168	0.01154	-0.03133	0.49938	-0.15251
0.371385	1.02E-16	0.602282	1.95E-47	0.35614	2.07E-15	0.376269	3.74E-17	0.296137
0.414205	8.74E-21	0.516417	3.41E-33	0.456296	2.15E-25	0.432369	1.07E-22	0.426268
0.104338	0.02414	0.050902	0.27231	0.006698	0.88521	-0.19737	1.74E-05	0.093915
0.419456	2.52E-21	0.544047	2.47E-37	0.483442	1.00E-28	0.457431	1.58E-25	0.317397
0.20211	1.08E-05	0.125515	0.00661	0.071173	0.12457	-0.02906	0.5311	0.010163
0.270221	2.95E-09	0.499027	8.91E-31	0.442179	8.93E-24	0.434174	6.84E-23	0.344995
0.371598	9.72E-17	0.691575	1.08E-67	0.291887	1.26E-10	0.420724	1.86E-21	0.266534
0.377052	3.18E-17	0.562197	2.86E-40	0.339486	4.63E-14	0.256216	1.95E-08	0.293596
0.232906	3.58E-07	0.282396	5.19E-10	0.064868	0.16166	-0.01588	0.73216	0.04679
-0.15967	0.00053	-0.33981	4.37E-14	0.03363	0.46845	0.011636	0.80198	-0.04694
0.472462	2.42E-27	0.623325	1.27E-51	0.554116	6.11E-39	0.392751	1.13E-18	0.582692
0.176943	0.00012	0.196856	1.83E-05	0.232628	3.70E-07	0.086097	0.06302	0.212506
0.377451	2.93E-17	0.291426	1.36E-10	0.187993	4.35E-05	0.031971	0.49069	0.259528
0.432033	1.17E-22	0.4383	2.41E-23	0.496362	2.03E-30	0.288451	2.12E-10	0.408907
0.314599	3.46E-12	0.352173	4.41E-15	0.422324	1.26E-21	0.229306	5.47E-07	0.428769
0.270103	2.99E-09	0.329328	2.83E-13	0.556178	2.82E-39	0.408331	3.42E-20	0.514424
0.25507	2.27E-08	0.42116	1.67E-21	0.311159	6.09E-12	0.273844	1.77E-09	0.296729
-0.10352	0.02528	-0.24421	9.07E-08	0.037856	0.4144	0.039905	0.38957	-0.04412
-0.079	0.08815	-0.14061	0.00232	-0.08608	0.06308	0.09663	0.03684	-0.25414
-0.08999	0.05197	-0.23554	2.62E-07	-0.17666	0.00012	-0.10052	0.02986	-0.22353
0.741462	1.32E-82	0.472622	2.32E-27	0.625815	3.86E-52	0.391234	1.57E-18	0.538472
0.242923	1.06E-07	0.348322	9.10E-15	0.08713	0.05991	0.076005	0.10091	0.055639
0.290009	1.68E-10	0.393047	1.06E-18	0.076327	0.09947	0.099945	0.03082	0.07321
0.501341	4.32E-31	0.690149	2.59E-67	0.633516	9.09E-54	0.536635	3.47E-36	0.594014
0.201135	1.19E-05	0.231281	4.34E-07	0.235973	2.49E-07	0.123686	0.00745	0.203553

0.071238	0.12422	0.107032	0.0207	0.046721	0.3137	-0.03195	0.49102	0.01042
-0.06338	0.17151	-0.116	0.01212	-0.22636	7.70E-07	-0.30712	1.17E-11	-0.13226
0.428637	2.71E-22	0.287085	2.60E-10	0.59733	1.70E-46	0.277681	1.03E-09	0.479296
0.459253	9.64E-26	0.645306	2.37E-56	0.511866	1.51E-32	0.399574	2.50E-19	0.478231
0.43744	3.00E-23	0.464586	2.22E-26	0.587367	1.18E-44	0.341355	3.30E-14	0.546995
0.209178	5.15E-06	0.234132	3.10E-07	0.009019	0.84587	-0.04723	0.3084	0.05617
0.275115	1.48E-09	0.459321	9.46E-26	0.247149	6.27E-08	0.169961	0.00022	0.345625
0.477588	5.56E-28	0.5276	7.99E-35	0.584042	4.73E-44	0.322423	9.30E-13	0.575055
0.402931	1.17E-19	0.51379	8.06E-33	0.512782	1.12E-32	0.299858	3.70E-11	0.5009
0.114817	0.01304	0.222989	1.13E-06	0.320664	1.25E-12	0.165756	0.00032	0.277075
0.251726	3.50E-08	0.163492	0.00039	0.039961	0.38891	-0.0889	0.05487	0.204253
0.231319	4.32E-07	0.103788	0.0249	0.142104	0.00208	-0.10861	0.01889	0.155241
0.198389	1.57E-05	-0.01057	0.81973	-0.03356	0.46939	-0.25468	2.39E-08	0.019483
0.466621	1.26E-26	0.468307	7.86E-27	0.593669	8.22E-46	0.431882	1.21E-22	0.46255
-0.14792	0.00135	-0.01014	0.82705	-0.17506	0.00014	0.119686	0.00963	-0.17662
0.138003	0.0028	0.008561	0.85361	0.039484	0.39461	-0.20044	1.28E-05	-0.01735
0.380006	1.72E-17	0.422457	1.22E-21	0.578588	4.42E-43	0.299087	4.18E-11	0.511826
0.454753	3.26E-25	0.573304	3.71E-42	0.516272	3.57E-33	0.292849	1.09E-10	0.517057
0.515271	4.96E-33	0.470074	4.77E-27	0.612627	1.87E-49	0.35585	2.18E-15	0.584724
0.425084	6.48E-22	0.662771	2.15E-60	0.307867	1.04E-11	0.337461	6.68E-14	0.3877
0.394461	7.75E-19	0.672656	8.31E-63	0.358273	1.37E-15	0.498018	1.22E-30	0.435761
0.407946	3.74E-20	0.345494	1.54E-14	0.548893	4.23E-38	0.302546	2.43E-11	0.439481
0.280047	7.31E-10	0.24998	4.38E-08	0.014471	0.75512	0.001909	0.96718	0.007347
0.256762	1.82E-08	0.054557	0.23932	0.303262	2.17E-11	-0.02214	0.63325	0.276994
0.267686	4.18E-09	0.209004	5.24E-06	0.306016	1.40E-11	0.07433	0.10867	0.300874
0.312648	4.77E-12	0.304035	1.92E-11	0.306463	1.30E-11	0.10738	0.02029	0.397966
0.434119	6.94E-23	0.469717	5.28E-27	0.395621	6.01E-19	0.307696	1.07E-11	0.387506
0.136915	0.00303	0.21447	2.91E-06	0.088279	0.05661	0.016182	0.72726	0.123139
0.291709	1.30E-10	0.22901	5.66E-07	0.269248	3.37E-09	0.000895	0.9846	0.278302
0.236529	2.32E-07	0.478145	4.73E-28	0.144717	0.00172	0.214298	2.97E-06	0.144058
0.347184	1.13E-14	0.308379	9.56E-12	0.482121	1.48E-28	0.266879	4.67E-09	0.49702
0.459078	1.01E-25	0.613455	1.28E-49	0.503831	1.98E-31	0.355936	2.15E-15	0.670687
0.474261	1.45E-27	0.669602	4.73E-62	0.38371	7.88E-18	0.340083	4.16E-14	0.442188
0.309177	8.40E-12	0.445639	3.64E-24	0.231412	4.28E-07	0.228127	6.28E-07	0.192561
0.659196	1.52E-59	0.500585	5.48E-31	0.52151	6.27E-34	0.311063	6.18E-12	0.456508
0.312962	4.53E-12	0.527494	8.29E-35	0.117114	0.01132	0.137771	0.00285	0.105632
0.220669	1.47E-06	0.225626	8.38E-07	0.076434	0.099	-0.01953	0.67386	0.214136
0.250917	3.88E-08	0.360267	9.28E-16	0.041465	0.37129	-0.10185	0.02775	0.159812
0.310124	7.20E-12	0.332029	1.76E-13	0.228761	5.83E-07	0.022177	0.63263	0.267173
0.435353	5.08E-23	0.361573	7.19E-16	0.511778	1.55E-32	0.256374	1.91E-08	0.536045
0.294702	8.23E-11	0.203817	9.02E-06	0.43903	2.00E-23	0.230134	4.97E-07	0.335088
0.37424	5.67E-17	0.28017	7.18E-10	0.485122	6.10E-29	0.166476	0.0003	0.406967
0.226308	7.74E-07	0.312383	4.98E-12	-0.10195	0.0276	-0.0653	0.1589	-0.04645
0.517712	2.22E-33	0.500912	4.95E-31	0.618687	1.13E-50	0.345454	1.55E-14	0.589739
0.149355	0.00121	0.261156	1.02E-08	0.148706	0.00127	0.036793	0.42764	0.230343

0.367112	2.40E-16	0.338735	5.31E-14	0.291185	1.41E-10	0.203749	9.08E-06	0.236979
0.386443	4.41E-18	0.703089	7.39E-71	0.4117	1.57E-20	0.371501	9.91E-17	0.4197
0.436083	4.23E-23	0.314803	3.34E-12	0.522329	4.77E-34	0.341147	3.43E-14	0.368365
0.393638	9.29E-19	0.352845	3.88E-15	0.430727	1.62E-22	0.275452	1.41E-09	0.363746
0.324868	6.12E-13	0.219632	1.65E-06	0.431329	1.39E-22	0.117888	0.01078	0.379167
0.358168	1.40E-15	0.497951	1.24E-30	0.294617	8.34E-11	0.197604	1.70E-05	0.33253
0.046277	0.31832	-0.15621	0.00071	-0.18875	4.04E-05	-0.10845	0.01906	-0.24895
0.051276	0.26879	-0.05409	0.24334	0.03915	0.39862	0.150503	0.00111	0.008267
0.451816	7.15E-25	0.38631	4.53E-18	0.623033	1.46E-51	0.299516	3.91E-11	0.584775
0.26663	4.83E-09	0.319539	1.52E-12	0.053442	0.24906	0.044622	0.33595	0.005958
0.44669	2.77E-24	0.523081	3.70E-34	0.560816	4.86E-40	0.322167	9.71E-13	0.540445
0.3782	2.50E-17	0.581877	1.15E-43	0.328979	3.00E-13	0.432294	1.10E-22	0.323018
0.481504	1.77E-28	0.419771	2.34E-21	0.604272	8.07E-48	0.339422	4.69E-14	0.51372
0.360456	8.95E-16	0.306404	1.31E-11	0.306281	1.34E-11	0.218462	1.88E-06	0.303708
0.358934	1.20E-15	0.251585	3.57E-08	0.22727	6.93E-07	-0.04805	0.30012	0.287752
-0.24098	1.35E-07	-0.16812	0.00026	-0.16951	0.00023	0.027145	0.55845	-0.17805
0.271942	2.32E-09	0.405725	6.22E-20	0.329864	2.57E-13	0.290083	1.66E-10	0.252035
0.655827	9.36E-59	0.530323	3.14E-35	0.478024	4.90E-28	0.261135	1.02E-08	0.456245
0.39052	1.83E-18	0.493033	5.64E-30	0.469172	6.16E-27	0.399435	2.58E-19	0.40408
0.258269	1.49E-08	0.350375	6.19E-15	0.23765	2.03E-07	0.23002	5.03E-07	0.193309
0.492244	7.17E-30	0.666377	2.90E-61	0.561751	3.40E-40	0.503321	2.32E-31	0.478379
0.39838	3.26E-19	0.452991	5.23E-25	0.316987	2.32E-12	0.139308	0.00255	0.358577
0.238871	1.75E-07	0.294949	7.93E-11	0.208393	5.59E-06	0.179703	9.43E-05	0.245606
0.240868	1.37E-07	0.210842	4.31E-06	0.361462	7.35E-16	0.201878	1.10E-05	0.277254
0.207141	6.38E-06	0.001934	0.96676	0.121101	0.0088	-0.0285	0.53903	0.040087
0.296198	6.54E-11	0.484211	7.99E-29	0.38132	1.31E-17	0.359718	1.03E-15	0.334295
0.401921	1.47E-19	0.22908	5.62E-07	0.343911	2.06E-14	0.109163	0.01829	0.293411
0.051571	0.26605	0.077635	0.09379	0.06869	0.1383	-0.05171	0.26474	0.079622
0.36781	2.09E-16	0.578687	4.25E-43	0.305515	1.51E-11	0.243168	1.03E-07	0.289634
0.267509	4.29E-09	0.549727	3.11E-38	0.230414	4.81E-07	0.304278	1.84E-11	0.229153
0.194179	2.39E-05	-0.2991	4.17E-11	0.020751	0.65468	-0.06695	0.14859	-0.04781
0.409869	2.40E-20	0.471151	3.52E-27	0.307912	1.03E-11	0.142928	0.00196	0.298902
0.523256	3.49E-34	0.511079	1.95E-32	0.484466	7.41E-29	0.333249	1.42E-13	0.479051
0.402407	1.32E-19	0.502873	2.67E-31	0.516614	3.19E-33	0.324585	6.42E-13	0.502215
0.288119	2.23E-10	0.488866	1.99E-29	0.213471	3.25E-06	0.238222	1.89E-07	0.273527
0.363658	4.77E-16	0.532077	1.71E-35	0.221883	1.28E-06	0.237414	2.09E-07	0.297833
0.396905	4.52E-19	0.318382	1.84E-12	0.392382	1.22E-18	0.055359	0.23247	0.410382
0.225034	8.96E-07	0.182137	7.54E-05	0.222566	1.19E-06	-0.03181	0.49286	0.228984
0.399043	2.81E-19	0.446847	2.65E-24	0.568002	3.02E-41	0.329858	2.58E-13	0.557653
0.316488	2.53E-12	0.226038	7.99E-07	0.41057	2.04E-20	0.226682	7.42E-07	0.265109
0.4457	3.58E-24	0.418041	3.53E-21	0.483353	1.03E-28	0.228174	6.24E-07	0.485756
0.273009	1.99E-09	0.238386	1.86E-07	0.253071	2.94E-08	0.076617	0.09819	0.243672
0.336923	7.36E-14	0.411889	1.50E-20	0.219635	1.65E-06	0.16443	0.00036	0.168505
0.449914	1.18E-24	0.485483	5.48E-29	0.481861	1.60E-28	0.269297	3.35E-09	0.424096
0.167577	0.00028	0.193259	2.61E-05	-0.05379	0.24598	-0.12272	0.00793	-0.02011

0.351541	4.97E-15	0.575048	1.85E-42	0.313052	4.46E-12	0.372522	8.06E-17	0.303248
0.220847	1.44E-06	-0.13844	0.00272	0.071031	0.12532	-0.29421	8.88E-11	0.083525
0.426756	4.30E-22	0.569727	1.53E-41	0.502472	3.03E-31	0.451387	8.01E-25	0.475949
0.04922	0.28848	0.038614	0.40511	0.229291	5.48E-07	0.031081	0.50284	0.194561
0.180652	8.64E-05	0.110665	0.01674	0.069747	0.13231	-0.07481	0.10639	0.11361
-0.19204	2.94E-05	-0.279	8.50E-10	-0.10716	0.02055	-0.0181	0.69637	-0.19647
0.135619	0.00332	0.034794	0.45318	0.104733	0.02361	-0.07268	0.11678	0.161184
0.280266	7.08E-10	0.350767	5.75E-15	0.205085	7.91E-06	0.210413	4.51E-06	0.346033
0.521817	5.66E-34	0.557061	2.02E-39	0.642813	8.53E-56	0.421369	1.59E-21	0.624285
0.499451	7.80E-31	0.594699	5.29E-46	0.721596	2.82E-76	0.523135	3.64E-34	0.654161
0.34938	7.47E-15	0.41262	1.27E-20	0.199762	1.37E-05	0.037301	0.42128	0.159517
0.456373	2.11E-25	0.466196	1.42E-26	0.700881	3.07E-70	0.502781	2.75E-31	0.664629
0.281968	5.53E-10	0.379786	1.80E-17	0.101523	0.02826	0.040041	0.38796	0.220562
0.161469	0.00046	0.013483	0.77136	0.088349	0.05641	-0.14694	0.00145	0.115978
0.388476	2.85E-18	0.26221	8.81E-09	0.350497	6.05E-15	0.021452	0.6438	0.330024
0.188456	4.16E-05	-0.009	0.84624	0.151035	0.00106	-0.03767	0.41669	0.141053
0.263336	7.57E-09	0.210064	4.68E-06	0.184451	6.08E-05	0.065148	0.15985	0.139985
0.232181	3.91E-07	0.1976	1.70E-05	0.166994	0.00029	0.073144	0.11444	0.184868
-0.21032	4.56E-06	-0.16653	0.0003	-0.20962	4.91E-06	-0.04891	0.29153	-0.18226
-0.22307	1.12E-06	-0.23036	4.84E-07	-0.35745	1.60E-15	-0.1153	0.01266	-0.4321
0.310273	7.03E-12	0.495211	2.90E-30	0.348266	9.20E-15	0.211396	4.06E-06	0.345924
0.442453	8.32E-24	0.460257	7.33E-26	0.505717	1.09E-31	0.309781	7.62E-12	0.507429
0.174594	0.00015	0.049162	0.28905	0.289204	1.89E-10	-0.00935	0.84034	0.258975
0.1098	0.01762	0.32266	8.93E-13	0.166158	0.00031	0.228545	5.98E-07	0.154409
0.431682	1.28E-22	0.653351	3.51E-58	0.446477	2.92E-24	0.436319	3.98E-23	0.428287
0.110397	0.017	0.261396	9.83E-09	-0.02713	0.55868	-0.04161	0.36963	0.014925
0.5206	8.51E-34	0.67758	4.82E-64	0.574817	2.03E-42	0.502585	2.93E-31	0.558863
0.368326	1.88E-16	0.426908	4.15E-22	0.423328	9.92E-22	0.294315	8.73E-11	0.462095
0.42816	3.05E-22	0.489442	1.67E-29	0.37078	1.15E-16	0.258732	1.40E-08	0.44357
0.285258	3.41E-10	0.284251	3.96E-10	0.328046	3.53E-13	0.118809	0.01018	0.407988
0.441134	1.17E-23	0.469563	5.52E-27	0.454474	3.51E-25	0.210656	4.40E-06	0.459397
0.313537	4.12E-12	0.518594	1.66E-33	0.221703	1.31E-06	0.195221	2.15E-05	0.189054
0.421928	1.39E-21	0.44395	5.65E-24	0.460964	6.04E-26	0.37705	3.18E-17	0.361078
0.292573	1.14E-10	0.238354	1.86E-07	0.427802	3.33E-22	0.098742	0.0329	0.486637
0.183294	6.77E-05	0.444398	5.03E-24	0.192659	2.77E-05	0.243364	1.01E-07	0.165682
0.215251	2.68E-06	0.196874	1.83E-05	0.164217	0.00037	-0.00024	0.99587	0.275384
0.194044	2.42E-05	0.020104	0.66478	-0.05506	0.23502	-0.18942	3.79E-05	0.09599
0.442009	9.33E-24	0.686148	2.97E-66	0.465086	1.93E-26	0.390933	1.68E-18	0.440364
0.505382	1.21E-31	0.452398	6.12E-25	0.706464	8.16E-72	0.446108	3.22E-24	0.661493
0.322043	9.92E-13	0.352079	4.49E-15	0.361847	6.81E-16	0.326522	4.60E-13	0.219244
0.308139	9.94E-12	0.291693	1.30E-10	0.236915	2.22E-07	0.168391	0.00026	0.256583
-0.30047	3.37E-11	-0.37306	7.21E-17	-0.2593	1.30E-08	-0.19206	2.94E-05	-0.27411
0.126025	0.00639	0.173437	0.00017	0.078163	0.09157	-0.03637	0.43297	0.175072
0.329009	2.99E-13	0.251562	3.58E-08	0.244887	8.34E-08	0.105288	0.02288	0.195211
0.445856	3.44E-24	0.382803	9.55E-18	0.594595	5.53E-46	0.344987	1.69E-14	0.531925



0.031865	0.49212	0.036045	0.43709	-0.15455	0.00081	-0.23034	4.85E-07	-0.11855
0.36062	8.66E-16	0.265102	5.96E-09	0.438907	2.07E-23	0.117209	0.01125	0.33647
0.176424	0.00013	0.106486	0.02136	0.176549	0.00013	0.009584	0.83635	0.181512
0.325869	5.15E-13	0.149394	0.0012	0.359396	1.10E-15	0.097109	0.03592	0.339393
0.083884	0.07013	-0.12413	0.00724	0.036582	0.43029	-0.22611	7.92E-07	0.044071
0.200653	1.25E-05	0.298938	4.28E-11	0.095532	0.03905	0.049747	0.28335	0.191771
0.503046	2.53E-31	0.545063	1.71E-37	0.59871	9.33E-47	0.376786	3.36E-17	0.575171
0.364884	3.74E-16	0.357784	1.50E-15	0.287154	2.57E-10	0.08852	0.05593	0.276074
0.323892	7.24E-13	0.439836	1.63E-23	0.436844	3.49E-23	0.358988	1.19E-15	0.396252
0.159591	0.00054	0.314177	3.71E-12	-0.04943	0.28642	-0.05395	0.24462	-0.01735
0.459216	9.74E-26	0.413299	1.08E-20	0.451488	7.80E-25	0.30261	2.40E-11	0.37033
0.390404	1.88E-18	0.525671	1.54E-34	0.356335	1.99E-15	0.265219	5.86E-09	0.300141
0.244328	8.94E-08	0.207083	6.42E-06	0.248365	5.38E-08	0.151511	0.00102	0.240391
0.180606	8.68E-05	0.275909	1.32E-09	0.107032	0.0207	0.088778	0.05522	0.178455
0.248776	5.11E-08	0.514017	7.49E-33	0.119548	0.00971	0.121391	0.00864	0.196017
0.204217	8.66E-06	0.360701	8.53E-16	0.262513	8.46E-09	0.226407	7.66E-07	0.219052
0.311066	6.18E-12	0.427344	3.73E-22	0.237236	2.13E-07	0.308742	9.01E-12	0.212783
0.656033	8.38E-59	0.575006	1.88E-42	0.379656	1.85E-17	0.269409	3.30E-09	0.40096
0.386146	4.70E-18	0.409549	2.59E-20	0.569558	1.64E-41	0.381962	1.14E-17	0.520959
0.139855	0.00245	0.276154	1.28E-09	0.097593	0.035	0.049335	0.28736	0.266566
0.209089	5.19E-06	0.165481	0.00033	0.237113	2.17E-07	0.144537	0.00174	0.182668
0.376867	3.30E-17	0.450361	1.05E-24	0.259782	1.22E-08	0.108886	0.01859	0.321961
0.350558	5.98E-15	0.463597	2.92E-26	0.143922	0.00182	0.187169	4.70E-05	0.204511
0.171049	0.0002	0.231884	4.04E-07	0.092442	0.04587	-0.12037	0.00922	0.162614
0.377444	2.93E-17	0.600808	3.73E-47	0.39575	5.84E-19	0.411588	1.61E-20	0.386511
0.369061	1.62E-16	0.508206	4.91E-32	0.242516	1.12E-07	0.150213	0.00113	0.295701
0.471489	3.20E-27	0.547735	6.47E-38	0.57431	2.48E-42	0.393472	9.63E-19	0.500491
0.249304	4.77E-08	0.406079	5.74E-20	-0.00189	0.96755	-0.03569	0.44164	0.032001
0.31182	5.46E-12	0.437201	3.19E-23	0.250727	3.98E-08	0.228587	5.95E-07	0.198705
0.172494	0.00018	0.19327	2.61E-05	-0.00937	0.83988	-0.0818	0.0774	0.159226
0.432951	9.29E-23	0.59542	3.88E-46	0.480599	2.31E-28	0.47733	5.99E-28	0.466541
0.286752	2.73E-10	0.299981	3.63E-11	0.322134	9.77E-13	0.187854	4.41E-05	0.374924
0.589357	5.13E-45	0.492623	6.39E-30	0.716625	8.87E-75	0.45028	1.08E-24	0.663693
0.464754	2.12E-26	0.507523	6.11E-32	0.607505	1.90E-48	0.467306	1.04E-26	0.505164
0.433174	8.79E-23	0.637772	1.09E-54	0.577231	7.66E-43	0.44862	1.67E-24	0.573099
-0.01049	0.82113	-0.23742	2.09E-07	0.097958	0.03432	-0.23535	2.68E-07	0.075886
0.119371	0.00982	0.047063	0.31017	0.022717	0.62438	-0.15002	0.00115	0.032033
-0.37976	1.81E-17	-0.3199	1.43E-12	-0.32293	8.53E-13	-0.12105	0.00883	-0.39813
0.756317	9.90E-88	0.492408	6.82E-30	0.455079	2.99E-25	0.261654	9.49E-09	0.411603
0.21926	1.72E-06	0.204838	8.12E-06	0.233895	3.19E-07	0.108434	0.01908	0.228407
0.012028	0.79545	0.320837	1.22E-12	-0.07715	0.09585	-0.01095	0.81346	-0.01266
0.178824	0.0001	0.155509	0.00075	0.177545	0.00011	-0.03463	0.45532	0.213618
0.178343	0.00011	0.181087	8.31E-05	0.167316	0.00028	0.029809	0.52048	0.184306
0.220116	1.56E-06	0.049332	0.28739	0.339668	4.48E-14	-0.05442	0.24047	0.322889
0.400967	1.83E-19	0.432419	1.06E-22	0.500474	5.67E-31	0.424145	8.14E-22	0.710368

0.355504	2.33E-15	0.140154	0.0024	0.157881	0.00062	-0.09394	0.04245	0.231391
0.214568	2.88E-06	0.173734	0.00016	0.19489	2.22E-05	-0.07851	0.09015	0.2114
-0.23227	3.87E-07	-0.32911	2.94E-13	-0.17369	0.00016	-0.16469	0.00035	-0.11188
-0.29667	6.08E-11	-0.32039	1.31E-12	-0.29931	4.03E-11	-0.12938	0.00511	-0.35768
0.219566	1.66E-06	0.277047	1.12E-09	0.263165	7.75E-09	0.17986	9.29E-05	0.331728
0.366004	3.00E-16	0.364724	3.86E-16	0.428654	2.70E-22	0.250786	3.95E-08	0.370809
0.368063	1.98E-16	0.525134	1.85E-34	0.278884	8.64E-10	0.268209	3.89E-09	0.259534
0.465787	1.59E-26	0.524327	2.43E-34	0.645453	2.20E-56	0.372232	8.55E-17	0.611954
-0.21522	2.68E-06	-0.24214	1.17E-07	-0.20552	7.56E-06	-0.11405	0.01366	-0.17662
0.496646	1.86E-30	0.558781	1.06E-39	0.542626	4.12E-37	0.335773	9.04E-14	0.500475
0.606666	2.78E-48	0.400221	2.16E-19	0.592025	1.66E-45	0.297673	5.21E-11	0.562762
0.483485	9.90E-29	0.520839	7.86E-34	0.570684	1.05E-41	0.341225	3.38E-14	0.539404
0.42747	3.61E-22	0.513177	9.85E-33	0.58592	2.17E-44	0.342422	2.71E-14	0.539428
0.284119	4.03E-10	0.264953	6.08E-09	0.198929	1.49E-05	-0.04344	0.34893	0.219045
0.253694	2.72E-08	0.156481	0.00069	0.102558	0.02668	-0.07513	0.10493	0.221809
0.335557	9.40E-14	0.313242	4.32E-12	0.281291	6.10E-10	0.072145	0.11949	0.304557
0.478209	4.64E-28	0.504527	1.58E-31	0.708606	1.98E-72	0.493904	4.32E-30	0.631314
0.230276	4.89E-07	0.488599	2.16E-29	0.072769	0.11632	0.061943	0.18146	0.141858
0.354562	2.80E-15	0.407992	3.70E-20	0.455893	2.40E-25	0.189254	3.85E-05	0.465964
0.333712	1.31E-13	0.486244	4.37E-29	0.22484	9.16E-07	0.05425	0.24197	0.306088
0.414895	7.43E-21	0.47175	2.97E-27	0.396892	4.54E-19	0.154858	0.00079	0.405729
0.145367	0.00163	0.087681	0.05831	0.212921	3.45E-06	0.055287	0.23307	0.160069
0.300842	3.17E-11	0.314326	3.62E-12	0.120844	0.00895	-0.08643	0.06201	0.185444
0.199561	1.39E-05	0.19329	2.60E-05	0.035182	0.44816	-0.08432	0.06867	0.179837
0.232114	3.94E-07	0.243875	9.46E-08	0.334307	1.17E-13	0.201481	1.15E-05	0.30555
0.124799	0.00693	0.166447	0.0003	0.092777	0.04508	-0.07417	0.10944	0.303182
0.429135	2.40E-22	0.487847	2.70E-29	0.358883	1.22E-15	0.251144	3.77E-08	0.338245
0.409941	2.36E-20	0.557994	1.42E-39	0.416045	5.66E-21	0.295435	7.35E-11	0.43365
0.364026	4.43E-16	0.35113	5.37E-15	0.413355	1.07E-20	0.238183	1.90E-07	0.449563
0.418286	3.33E-21	0.459146	9.92E-26	0.412293	1.37E-20	0.165927	0.00032	0.368711
0.157753	0.00062	0.331581	1.90E-13	-0.00662	0.88656	0.056062	0.22658	0.074045
0.138908	0.00263	0.38682	4.07E-18	0.054912	0.23627	0.169205	0.00024	0.015967
0.479701	3.01E-28	0.366396	2.77E-16	0.653777	2.80E-58	0.359964	9.85E-16	0.593941
0.224427	9.61E-07	0.104272	0.02423	0.245898	7.34E-08	0.038348	0.40836	0.342492
0.227737	6.57E-07	0.282388	5.20E-10	0.318899	1.69E-12	0.173201	0.00017	0.195279
0.19311	2.65E-05	0.342998	2.44E-14	0.051033	0.27107	0.03677	0.42792	0.18967
0.088001	0.05739	-0.0174	0.70759	0.030906	0.50525	-0.18315	6.86E-05	0.030891
0.255149	2.25E-08	0.27449	1.62E-09	0.12572	0.00652	-0.00329	0.94348	0.178408
-0.00535	0.90817	-0.15289	0.00092	-0.02672	0.56465	-0.27317	1.95E-09	-0.01904
0.163468	0.00039	0.082154	0.07613	0.246555	6.76E-08	0.020224	0.6629	0.283485
0.443756	5.94E-24	0.420452	1.98E-21	0.468434	7.58E-27	0.245722	7.51E-08	0.403577
0.240113	1.50E-07	0.202989	9.83E-06	0.206312	6.96E-06	-0.02781	0.54885	0.144266
0.325417	5.57E-13	0.245877	7.36E-08	0.173516	0.00016	0.045951	0.32174	0.172202
0.246603	6.72E-08	0.157014	0.00066	0.29888	4.32E-11	0.035325	0.44631	0.325899
0.530815	2.65E-35	0.745932	4.14E-84	0.570029	1.36E-41	0.539282	1.36E-36	0.490985

0.385595	5.28E-18	0.258831	1.38E-08	0.394724	7.32E-19	0.199134	1.46E-05	0.419255
0.182553	7.25E-05	0.112361	0.01513	0.174652	0.00015	0.017745	0.70211	0.198193
0.177091	0.00012	0.121608	0.00852	0.121367	0.00865	0.032361	0.4854	-0.02985
-0.38274	9.67E-18	-0.32635	4.74E-13	-0.4618	4.79E-26	-0.24582	7.42E-08	-0.40324
0.311012	6.23E-12	0.365129	3.56E-16	0.479486	3.20E-28	0.283339	4.52E-10	0.444565
0.329378	2.80E-13	0.297102	5.69E-11	0.385453	5.44E-18	0.135196	0.00342	0.450751
0.202844	9.97E-06	0.42713	3.93E-22	-0.012	0.7959	0.034386	0.4585	-0.00784
0.241288	1.30E-07	0.518118	1.94E-33	0.026268	0.57124	0.087817	0.05792	0.083218
0.325785	5.23E-13	0.612883	1.66E-49	0.287617	2.40E-10	0.361118	7.86E-16	0.294851
0.025456	0.5832	-0.13128	0.00449	-0.0109	0.8143	-0.20818	5.72E-06	0.001068
-0.26007	1.17E-08	-0.28901	1.95E-10	-0.25215	3.31E-08	-0.21593	2.48E-06	-0.18397
-0.08727	0.05949	-0.01063	0.8188	-0.13517	0.00343	0.177728	0.00011	-0.2081
0.504685	1.51E-31	0.636981	1.63E-54	0.63163	2.30E-53	0.448004	1.96E-24	0.558101
0.107647	0.01998	0.175224	0.00014	-0.11399	0.01371	-0.15333	0.00089	-0.03302
0.330641	2.25E-13	0.458822	1.08E-25	0.297441	5.40E-11	0.325201	5.78E-13	0.323659
0.278028	9.77E-10	0.683569	1.40E-65	0.240858	1.37E-07	0.409311	2.73E-20	0.258641
0.189802	3.66E-05	0.016292	0.72548	-0.02853	0.53848	-0.1711	0.0002	0.039754
0.07361	0.11215	0.302029	2.63E-11	-0.01351	0.77092	-0.0455	0.32656	0.152775
0.184737	5.92E-05	0.217023	2.20E-06	0.183486	6.65E-05	0.077391	0.09483	0.289353
0.303212	2.18E-11	0.226804	7.31E-07	0.216181	2.42E-06	-0.06296	0.17439	0.220746
0.114605	0.01321	0.133776	0.00378	0.008059	0.86212	-0.11183	0.01561	0.115431
0.475995	8.81E-28	0.512217	1.35E-32	0.635104	4.14E-54	0.406256	5.51E-20	0.610204
0.453672	4.36E-25	0.480144	2.64E-28	0.502723	2.80E-31	0.224791	9.21E-07	0.498483
0.302172	2.58E-11	0.203481	9.34E-06	0.229831	5.15E-07	-0.07641	0.0991	0.267864
0.304601	1.75E-11	0.354965	2.59E-15	0.312916	4.56E-12	0.130686	0.00467	0.307311
0.387278	3.69E-18	0.34649	1.28E-14	0.409199	2.80E-20	0.104252	0.02426	0.508685
0.01768	0.70314	-0.03892	0.40137	-0.098	0.03423	-0.27233	2.19E-09	-0.08156
0.415545	6.37E-21	0.465794	1.59E-26	0.479586	3.11E-28	0.258269	1.49E-08	0.43875
0.17209	0.00019	0.244087	9.21E-08	0.039495	0.39447	-0.10826	0.01928	0.079508
0.402897	1.18E-19	0.38124	1.33E-17	0.543459	3.05E-37	0.22978	5.18E-07	0.566085
0.414542	8.07E-21	0.437211	3.18E-23	0.462511	3.94E-26	0.307167	1.16E-11	0.497888
0.291984	1.25E-10	0.239297	1.66E-07	0.42876	2.63E-22	0.199632	1.38E-05	0.40321
0.213648	3.19E-06	0.197514	1.71E-05	0.241553	1.26E-07	0.120632	0.00907	0.32054
0.259494	1.27E-08	0.339943	4.27E-14	0.120046	0.00941	0.037582	0.41779	0.128748
0.43624	4.07E-23	0.500572	5.50E-31	0.464236	2.45E-26	0.241745	1.23E-07	0.444227
0.312166	5.16E-12	0.322842	8.66E-13	0.236863	2.23E-07	0.150882	0.00107	0.259266
0.234321	3.03E-07	0.397659	3.83E-19	0.129077	0.00521	0.18353	6.62E-05	0.201063
0.257436	1.66E-08	0.434154	6.88E-23	0.277119	1.11E-09	0.342693	2.58E-14	0.236618
0.457563	1.53E-25	0.210716	4.37E-06	0.248287	5.43E-08	0.070144	0.13012	0.266224
0.15688	0.00067	-0.03855	0.40591	0.266449	4.96E-09	0.058666	0.2057	0.093797
-0.14886	0.00125	-0.27782	1.01E-09	-0.08117	0.07973	-0.07647	0.09884	-0.06676
0.464151	2.51E-26	0.550627	2.23E-38	0.470227	4.57E-27	0.362341	6.18E-16	0.496668
0.281328	6.07E-10	0.109195	0.01825	0.187814	4.42E-05	0.020858	0.653	0.207848
0.452534	5.90E-25	0.647275	8.56E-57	0.483491	9.89E-29	0.393171	1.03E-18	0.473234
0.341723	3.08E-14	0.281016	6.35E-10	0.304333	1.83E-11	0.019982	0.66668	0.308598

0.317129	2.27E-12	0.19702	1.80E-05	0.250236	4.24E-08	0.106728	0.02106	0.199818
0.292831	1.10E-10	0.281793	5.67E-10	0.558559	1.15E-39	0.292819	1.10E-10	0.526784
0.460811	6.30E-26	0.67395	3.95E-63	0.377158	3.11E-17	0.384336	6.90E-18	0.34561
0.335619	9.30E-14	0.16797	0.00027	0.313109	4.42E-12	0.113486	0.01414	0.293694
0.198023	1.63E-05	0.426533	4.55E-22	0.092763	0.04512	0.056862	0.22001	0.250475
0.225207	8.79E-07	0.536153	4.12E-36	0.069118	0.13585	0.146405	0.00151	0.085422
0.459336	9.42E-26	0.63621	2.39E-54	0.376229	3.77E-17	0.32102	1.18E-12	0.585254
0.534494	7.37E-36	0.584633	3.70E-44	0.682886	2.10E-65	0.515335	4.86E-33	0.6883
0.28492	3.58E-10	0.424875	6.81E-22	0.186149	5.18E-05	0.08394	0.06994	0.135154
0.372732	7.72E-17	0.750533	1.08E-85	0.242749	1.09E-07	0.371267	1.04E-16	0.330866
0.299194	4.11E-11	0.63581	2.92E-54	0.190374	3.46E-05	0.366476	2.73E-16	0.20448
0.360707	8.52E-16	0.491078	1.02E-29	0.338899	5.15E-14	0.251352	3.67E-08	0.279595
0.219214	1.73E-06	0.424663	7.18E-22	0.106374	0.0215	0.078221	0.09133	0.091396
0.123771	0.00741	0.513025	1.03E-32	0.037614	0.4174	0.126535	0.00618	0.122762
0.575868	1.33E-42	0.517372	2.49E-33	0.735236	1.47E-80	0.47224	2.58E-27	0.66218
0.061347	0.1857	0.098886	0.03264	0.069045	0.13626	-0.01867	0.6874	0.137562
0.194914	2.22E-05	0.220533	1.49E-06	0.140541	0.00233	-0.01469	0.75146	0.070593
0.411972	1.47E-20	0.43782	2.72E-23	0.560394	5.71E-40	0.356418	1.96E-15	0.770985
0.377535	2.88E-17	0.423204	1.02E-21	0.409112	2.86E-20	0.237521	2.06E-07	0.289798
0.399284	2.66E-19	0.575047	1.85E-42	0.36554	3.28E-16	0.236067	2.46E-07	0.392861
0.362159	6.41E-16	0.370526	1.21E-16	0.460087	7.68E-26	0.273787	1.79E-09	0.370377
0.12409	0.00726	0.288233	2.19E-10	0.279366	8.06E-10	0.034403	0.45828	0.279642
0.402124	1.41E-19	0.430514	1.71E-22	0.486227	4.39E-29	0.26054	1.10E-08	0.478867
0.454877	3.15E-25	0.679488	1.57E-64	0.522023	5.28E-34	0.472993	2.08E-27	0.503708
0.27154	2.45E-09	0.346502	1.28E-14	0.43311	8.93E-23	0.271713	2.39E-09	0.54693
0.261237	1.00E-08	0.291704	1.30E-10	0.038443	0.40719	-0.15607	0.00071	0.130953
0.236549	2.32E-07	0.250963	3.86E-08	0.197188	1.77E-05	0.090113	0.05164	0.259539
0.224753	9.26E-07	0.056919	0.21955	0.153968	0.00084	-0.05701	0.2188	0.112953
-0.06469	0.16282	-0.16382	0.00038	-0.06323	0.17252	-0.2892	1.90E-10	-0.02383
0.243599	9.79E-08	0.145971	0.00156	0.257937	1.56E-08	0.087751	0.05811	0.245525
0.421939	1.39E-21	0.32723	4.07E-13	0.613727	1.13E-49	0.365605	3.24E-16	0.527142
0.233938	3.17E-07	0.404497	8.23E-20	0.272423	2.17E-09	0.334717	1.09E-13	0.185241
0.274884	1.53E-09	0.599359	7.03E-47	0.25375	2.70E-08	0.314439	3.55E-12	0.280508
0.258594	1.43E-08	0.271755	2.38E-09	0.282088	5.43E-10	0.130581	0.00471	0.225541
0.433962	7.21E-23	0.352519	4.13E-15	0.45162	7.53E-25	0.169977	0.00022	0.418312
0.405638	6.35E-20	0.183927	6.38E-05	0.522137	5.09E-34	0.173064	0.00017	0.427123
0.448662	1.65E-24	0.554223	5.87E-39	0.443694	6.03E-24	0.269684	3.17E-09	0.453062
0.420086	2.17E-21	0.374747	5.11E-17	0.610756	4.38E-49	0.285579	3.25E-10	0.54814
0.392715	1.14E-18	0.414209	8.73E-21	0.392202	1.27E-18	0.127938	0.00563	0.397208
0.416554	5.02E-21	0.630675	3.67E-53	0.500097	6.38E-31	0.484077	8.31E-29	0.571876
0.492145	7.39E-30	0.566084	6.38E-41	0.7059	1.18E-71	0.457219	1.68E-25	0.636157
0.407371	4.27E-20	0.630259	4.50E-53	0.407608	4.04E-20	0.317866	2.01E-12	0.473626
0.015346	0.74082	-0.19341	2.57E-05	-0.07714	0.09589	-0.2651	5.96E-09	-0.10136
-0.11164	0.01579	-0.29501	7.86E-11	-0.12055	0.00912	-0.04592	0.32209	-0.11652
0.299498	3.92E-11	0.545112	1.68E-37	0.318291	1.87E-12	0.372473	8.14E-17	0.297923

0.477483	5.73E-28	0.78883	#####	0.539315	1.35E-36	0.653095	4.03E-58	0.519578
0.387562	3.47E-18	0.467837	8.97E-27	0.483123	1.10E-28	0.272771	2.06E-09	0.482822
0.624411	7.56E-52	0.489778	1.51E-29	0.481606	1.72E-28	0.273027	1.99E-09	0.460371
0.21893	1.78E-06	0.214307	2.97E-06	0.146688	0.00148	-0.02273	0.62424	0.24869
0.337376	6.78E-14	0.305899	1.42E-11	0.339315	4.78E-14	0.194706	2.27E-05	0.31098
-0.20144	1.15E-05	-0.43861	2.23E-23	-0.22383	1.03E-06	-0.16618	0.00031	-0.31074
0.233259	3.44E-07	0.004319	0.92583	0.231553	4.21E-07	-0.01045	0.82183	0.142276
0.426763	4.30E-22	0.447106	2.48E-24	0.565077	9.43E-41	0.352163	4.42E-15	0.513038
0.308794	8.94E-12	0.335032	1.03E-13	0.325815	5.20E-13	0.133086	0.00396	0.305012
0.07339	0.11323	0.094907	0.04036	0.02886	0.53386	-0.01466	0.75198	-0.06305
0.29789	5.03E-11	0.398005	3.54E-19	0.119571	0.0097	0.067991	0.14236	0.234319
0.235567	2.61E-07	0.200505	1.27E-05	0.098419	0.03348	-0.06937	0.13443	0.106632
0.276849	1.16E-09	0.323203	8.14E-13	-0.01225	0.79183	-0.0439	0.34379	0.04093
0.314653	3.43E-12	0.5173	2.55E-33	0.212974	3.43E-06	0.16384	0.00038	0.293227
-0.19769	1.68E-05	-0.29086	1.48E-10	-0.3601	9.59E-16	-0.11994	0.00948	-0.44144
0.056573	0.22237	-0.12535	0.00668	-0.05838	0.20789	-0.31307	4.45E-12	0.030736
-0.2857	3.19E-10	-0.37948	1.92E-17	-0.20026	1.30E-05	-0.11281	0.01472	-0.33362
0.201163	1.18E-05	0.462773	3.67E-26	-0.01481	0.74965	0.160187	0.00051	0.08659
-0.01547	0.73875	0.066508	0.15129	0.124531	0.00705	-0.03323	0.47371	0.263818
0.358865	1.22E-15	0.437601	2.88E-23	0.468821	6.80E-27	0.320728	1.24E-12	0.47649
0.438321	2.40E-23	0.419054	2.77E-21	0.620231	5.48E-51	0.372064	8.84E-17	0.559215
0.331395	1.97E-13	0.185289	5.62E-05	0.350032	6.60E-15	0.105335	0.02281	0.281514
-0.0538	0.24587	0.014134	0.76064	-0.16529	0.00033	-0.28263	5.02E-10	-0.03423
0.332249	1.69E-13	0.547244	7.74E-38	0.549427	3.48E-38	0.516932	2.88E-33	0.459259
0.250029	4.35E-08	0.322824	8.68E-13	0.378488	2.36E-17	0.269534	3.24E-09	0.337789
0.308721	9.04E-12	0.469728	5.27E-27	0.283867	4.19E-10	0.270491	2.84E-09	0.385464
0.416517	5.07E-21	0.544902	1.81E-37	0.26939	3.31E-09	0.241253	1.31E-07	0.27458
0.631328	2.67E-53	0.650429	1.65E-57	0.47002	4.85E-27	0.369796	1.40E-16	0.51223
0.455384	2.75E-25	0.523591	3.12E-34	0.651267	1.06E-57	0.482517	1.32E-28	0.609605
0.413516	1.03E-20	0.290582	1.54E-10	0.620707	4.38E-51	0.263908	7.01E-09	0.598815
0.347562	1.05E-14	0.06802	0.14219	0.140103	0.00241	-0.16028	0.00051	0.178623
0.470682	4.02E-27	0.453049	5.15E-25	0.520306	9.39E-34	0.370294	1.27E-16	0.474013
0.207573	6.10E-06	0.004446	0.92366	0.121623	0.00851	-0.1138	0.01387	0.124699
0.238146	1.91E-07	0.380637	1.51E-17	0.206847	6.58E-06	0.106821	0.02095	0.215765
0.422848	1.11E-21	0.315549	2.95E-12	0.396358	5.10E-19	0.233823	3.21E-07	0.269234
0.261709	9.42E-09	0.244669	8.57E-08	0.302011	2.64E-11	0.088198	0.05683	0.265579
0.493836	4.41E-30	0.530501	2.95E-35	0.455765	2.48E-25	0.29545	7.34E-11	0.432422
0.06938	0.13436	0.113564	0.01407	0.033187	0.47433	-0.08392	0.07002	0.125014
0.169269	0.00024	0.393645	9.28E-19	-0.03837	0.40812	0.071888	0.12081	0.003269
0.306338	1.33E-11	0.398707	3.03E-19	0.458982	1.04E-25	0.269087	3.45E-09	0.402734
0.401587	1.59E-19	0.511693	1.60E-32	0.437011	3.34E-23	0.258897	1.37E-08	0.369493
0.325361	5.62E-13	0.34121	3.39E-14	0.315722	2.87E-12	0.041597	0.36977	0.276656
0.363044	5.38E-16	0.492405	6.83E-30	0.375935	4.00E-17	0.236404	2.36E-07	0.413377
0.178791	0.0001	0.082032	0.07657	0.0671	0.14767	-0.11371	0.01394	0.08132
0.278207	9.53E-10	0.3668	2.55E-16	0.384378	6.84E-18	0.229544	5.32E-07	0.400914

0.179071	9.99E-05	0.566705	5.00E-41	0.020623	0.65666	0.180765	8.55E-05	0.098557
0.398655	3.07E-19	0.494511	3.59E-30	0.556503	2.50E-39	0.432637	1.01E-22	0.463639
0.233056	3.52E-07	0.568352	2.63E-41	0.082163	0.0761	0.208432	5.57E-06	0.227816
0.388332	2.94E-18	0.509751	2.99E-32	0.446228	3.12E-24	0.398103	3.47E-19	0.438283
0.502219	3.28E-31	0.636209	2.39E-54	0.647794	6.54E-57	0.476031	8.72E-28	0.582096
0.198937	1.48E-05	0.044235	0.34017	0.164155	0.00037	-0.00663	0.88643	0.132082
0.477903	5.07E-28	0.566412	5.61E-41	0.453009	5.20E-25	0.313292	4.29E-12	0.439992
0.264481	6.48E-09	-0.04645	0.31652	-0.05523	0.23353	0.075577	0.10285	-0.08111
0.306221	1.35E-11	0.239006	1.72E-07	0.204171	8.70E-06	-0.00242	0.95845	0.13205
0.174916	0.00015	0.144253	0.00178	0.003554	0.93895	-0.11685	0.0115	0.029678
0.418363	3.27E-21	0.459644	8.66E-26	0.391456	1.50E-18	0.215265	2.67E-06	0.347945
0.227637	6.64E-07	0.059207	0.20154	0.290171	1.64E-10	0.013949	0.76369	0.321107
0.027547	0.55264	-0.18575	5.38E-05	-0.09329	0.0439	-0.40595	5.91E-20	-0.09519
0.318641	1.76E-12	0.516016	3.89E-33	0.132251	0.0042	0.170342	0.00022	0.129792
0.268126	3.94E-09	0.645294	2.39E-56	0.133757	0.00378	0.276378	1.24E-09	0.248468
0.407741	3.92E-20	0.238351	1.86E-07	0.411786	1.54E-20	0.210841	4.31E-06	0.546012
0.09728	0.03559	0.244658	8.58E-08	0.013034	0.77878	-0.00693	0.88124	0.115052
0.242577	1.11E-07	0.214133	3.02E-06	0.277632	1.03E-09	0.119448	0.00978	0.219252
-0.37183	9.28E-17	-0.40496	7.41E-20	-0.3804	1.58E-17	-0.28397	4.12E-10	-0.33639
0.172002	0.00019	0.484351	7.66E-29	0.038021	0.41237	0.070199	0.12982	0.153765
0.445451	3.82E-24	0.518598	1.66E-33	0.457723	1.46E-25	0.3067	1.25E-11	0.487781
0.294461	8.54E-11	0.181467	8.02E-05	0.233853	3.20E-07	-0.014	0.76284	0.170165
0.317737	2.05E-12	0.420308	2.05E-21	0.417417	4.09E-21	0.362677	5.79E-16	0.303549
0.143446	0.00189	0.161169	0.00047	0.042319	0.36152	-0.0699	0.13147	0.111262
0.19056	3.40E-05	0.336376	8.12E-14	0.024198	0.60195	-0.0276	0.5519	0.13431
0.436928	3.42E-23	0.582451	9.11E-44	0.455319	2.80E-25	0.471954	2.80E-27	0.507664
0.202025	1.08E-05	0.196568	1.88E-05	0.027406	0.55468	-0.1642	0.00037	0.065963
0.052746	0.25529	0.088979	0.05467	-0.07482	0.10633	-0.03285	0.47883	-0.11596
0.26973	3.15E-09	0.066219	0.15308	0.117398	0.01112	0.006123	0.89501	-0.02848
-0.18215	7.53E-05	-0.31791	1.99E-12	-0.19313	2.65E-05	-0.18169	7.86E-05	-0.18131
0.11489	0.01298	0.153039	0.00091	0.052134	0.26086	-0.05752	0.21473	0.136565
0.249672	4.56E-08	0.177247	0.00012	0.109194	0.01825	-0.17355	0.00016	0.145387
0.407916	3.77E-20	0.462072	4.45E-26	0.562489	2.56E-40	0.380151	1.67E-17	0.499287
0.378303	2.45E-17	0.281897	5.58E-10	0.238859	1.75E-07	0.048466	0.29595	0.248863
-0.19921	1.45E-05	-0.35124	5.25E-15	-0.34444	1.87E-14	-0.14686	0.00146	-0.3573
0.244156	9.13E-08	0.348774	8.37E-15	0.06943	0.13408	-0.08103	0.08025	0.126886
0.432712	9.87E-23	0.320339	1.32E-12	0.683885	1.16E-65	0.439565	1.75E-23	0.553514
0.145098	0.00167	0.242588	1.11E-07	0.013778	0.76649	-0.10862	0.01888	0.021732
0.080159	0.08356	0.021206	0.64761	-0.12924	0.00516	-0.32257	9.07E-13	-0.05039
0.380187	1.66E-17	0.405429	6.66E-20	0.636143	2.47E-54	0.493122	5.49E-30	0.509724
0.190769	3.33E-05	0.118421	0.01043	0.060955	0.18853	-0.12276	0.00791	0.11323
0.371348	1.02E-16	0.527455	8.40E-35	0.424808	6.93E-22	0.331131	2.06E-13	0.435559
0.336756	7.58E-14	0.393584	9.40E-19	0.46338	3.10E-26	0.199306	1.43E-05	0.520876
0.505042	1.35E-31	0.520499	8.80E-34	0.568919	2.10E-41	0.381663	1.21E-17	0.481027
0.100328	0.03018	0.033767	0.46664	0.088139	0.057	-0.05017	0.27929	0.025973

0.343499	2.23E-14	0.374684	5.18E-17	0.404432	8.36E-20	0.189421	3.79E-05	0.526078
0.163878	0.00038	0.38404	7.35E-18	0.069769	0.13219	0.096778	0.03656	0.15004
0.284048	4.08E-10	0.476224	8.25E-28	0.142877	0.00197	0.176591	0.00012	0.161299
0.149383	0.0012	0.140356	0.00237	0.023481	0.61276	-0.17762	0.00011	0.057712
0.316586	2.49E-12	0.6622	2.94E-60	0.13561	0.00332	0.276184	1.27E-09	0.152756
0.117263	0.01121	0.222345	1.22E-06	-0.06588	0.15521	-0.15218	0.00097	-0.10034
0.432253	1.11E-22	0.36908	1.62E-16	0.421266	1.63E-21	0.149739	0.00117	0.390598
0.173677	0.00016	0.24453	8.72E-08	0.048514	0.29547	0.022719	0.62434	0.010626
0.159578	0.00054	0.361483	7.32E-16	-0.01358	0.7698	-0.00598	0.89747	-0.01332
0.070924	0.12589	-0.18534	5.59E-05	0.002694	0.9537	-0.27032	2.90E-09	0.025824
0.433148	8.85E-23	0.506887	7.49E-32	0.546655	9.59E-38	0.393691	9.18E-19	0.464438
0.421131	1.69E-21	0.506812	7.67E-32	0.595377	3.95E-46	0.410576	2.04E-20	0.608115
0.350832	5.68E-15	0.287485	2.45E-10	0.394063	8.46E-19	0.250994	3.85E-08	0.284114
0.444987	4.31E-24	0.397607	3.87E-19	0.436723	3.60E-23	0.316512	2.52E-12	0.35267
0.335553	9.41E-14	0.424362	7.72E-22	0.35608	2.09E-15	0.124537	0.00705	0.368197
0.283395	4.49E-10	0.211426	4.05E-06	-0.01808	0.69681	-0.06871	0.13819	0.035049
0.265924	5.32E-09	0.378075	2.57E-17	0.326732	4.44E-13	0.196802	1.84E-05	0.309267
0.29017	1.64E-10	0.545327	1.55E-37	0.278496	9.14E-10	0.252499	3.17E-08	0.210366
0.161034	0.00048	0.289339	1.86E-10	0.053059	0.25248	-0.09437	0.04151	0.089572
0.195662	2.06E-05	0.388459	2.86E-18	0.145315	0.00164	0.05369	0.24687	0.135954
0.459101	1.00E-25	0.591302	2.25E-45	0.508182	4.95E-32	0.448678	1.64E-24	0.440921
0.342775	2.54E-14	0.383064	9.04E-18	0.439407	1.82E-23	0.310481	6.80E-12	0.324917
0.475116	1.13E-27	0.542536	4.26E-37	0.531853	1.85E-35	0.38637	4.48E-18	0.428094
0.460381	7.08E-26	0.544069	2.45E-37	0.55567	3.42E-39	0.346728	1.23E-14	0.497402
0.220667	1.47E-06	0.15743	0.00064	0.148895	0.00125	-0.15061	0.0011	0.207548
0.380864	1.44E-17	0.461357	5.42E-26	0.221187	1.39E-06	0.103382	0.02548	0.265553
0.23927	1.67E-07	0.091412	0.04835	0.186842	4.85E-05	0.02328	0.61581	0.089441
0.2061	7.11E-06	0.150122	0.00114	0.291984	1.25E-10	0.040478	0.3828	0.507129
0.229664	5.25E-07	0.42388	8.68E-22	0.199316	1.43E-05	0.262661	8.29E-09	0.160472
0.326983	4.25E-13	0.554766	4.79E-39	0.102123	0.02733	0.11139	0.01603	0.160589
0.448032	1.95E-24	0.436317	3.99E-23	0.631009	3.12E-53	0.447043	2.52E-24	0.584615
0.145674	0.0016	0.162837	0.00041	0.154046	0.00084	-0.00147	0.97477	0.187922
0.101731	0.02793	-0.05171	0.26478	0.059339	0.20054	-0.14054	0.00233	0.01289
0.424223	7.99E-22	0.562582	2.47E-40	0.30989	7.48E-12	0.312215	5.12E-12	0.253205
0.359929	9.91E-16	0.162391	0.00043	0.480719	2.23E-28	0.12594	0.00643	0.38374
0.305476	1.52E-11	0.037742	0.41581	0.141682	0.00215	-0.06181	0.18237	0.18877
0.211434	4.04E-06	0.254551	2.43E-08	0.309057	8.57E-12	0.155103	0.00077	0.252162
0.24764	5.90E-08	0.271089	2.61E-09	-0.03229	0.48638	-0.12506	0.00681	0.071536
0.480256	2.56E-28	0.416211	5.45E-21	0.482762	1.23E-28	0.174643	0.00015	0.474963
0.48034	2.50E-28	0.509688	3.05E-32	0.616266	3.49E-50	0.422151	1.32E-21	0.635846
0.278148	9.61E-10	0.334963	1.05E-13	0.285682	3.20E-10	0.248215	5.48E-08	0.238386
0.331376	1.97E-13	0.486951	3.54E-29	0.289182	1.90E-10	0.145683	0.0016	0.281186
0.545843	1.29E-37	0.589415	5.01E-45	0.623675	1.07E-51	0.393373	9.84E-19	0.615429
0.243292	1.02E-07	0.396348	5.12E-19	0.344035	2.02E-14	0.288486	2.11E-10	0.511205
0.35667	1.86E-15	0.388929	2.59E-18	0.351218	5.28E-15	0.084777	0.06719	0.368925

0.421484	1.55E-21	0.582692	8.25E-44	0.427073	3.98E-22	0.326882	4.32E-13	0.49578
0.322154	9.73E-13	0.629519	6.45E-53	0.28309	4.69E-10	0.266875	4.68E-09	0.261365
-0.1268	0.00607	-0.38148	1.26E-17	-0.20725	6.30E-06	-0.14504	0.00167	-0.33911
-0.05781	0.21241	-0.27992	7.44E-10	-0.16418	0.00037	-0.12089	0.00892	-0.20973
0.346491	1.28E-14	0.452966	5.26E-25	0.524795	2.08E-34	0.377636	2.82E-17	0.522978
0.416539	5.04E-21	0.391037	1.64E-18	0.533266	1.13E-35	0.347121	1.14E-14	0.523379
0.364885	3.74E-16	0.406853	4.81E-20	0.547584	6.83E-38	0.346235	1.34E-14	0.517082
-0.32714	4.14E-13	-0.34658	1.26E-14	-0.18893	3.98E-05	-0.0633	0.17206	-0.22344
0.186935	4.81E-05	0.338569	5.47E-14	0.253441	2.81E-08	0.102867	0.02622	0.243648
0.369056	1.63E-16	0.284965	3.56E-10	0.289567	1.79E-10	0.075765	0.10199	0.303602
0.225545	8.45E-07	0.278659	8.93E-10	0.086115	0.06297	0.134195	0.00367	0.027784
0.187611	4.51E-05	0.221957	1.27E-06	0.072653	0.1169	-0.04938	0.2869	0.121736
0.292351	1.18E-10	0.244474	8.78E-08	0.182756	7.12E-05	0.069023	0.13639	0.177453
0.231847	4.06E-07	0.428604	2.73E-22	0.109634	0.01779	0.102961	0.02608	0.129751
0.125734	0.00652	0.198232	1.59E-05	-0.15948	0.00054	-0.2634	7.50E-09	0.078
0.11391	0.01378	0.19003	3.58E-05	-0.1056	0.02248	-0.18476	5.90E-05	-0.021
0.107025	0.02071	0.08767	0.05834	0.082432	0.07514	-0.1688	0.00025	0.150939
0.327896	3.63E-13	0.421469	1.55E-21	0.135812	0.00327	0.057903	0.21167	0.127478
0.489302	1.75E-29	0.510868	2.08E-32	0.719808	9.83E-76	0.503172	2.43E-31	0.601468
0.439203	1.92E-23	0.660388	7.93E-60	0.363465	4.95E-16	0.313171	4.38E-12	0.444518
0.429557	2.16E-22	0.573479	3.46E-42	0.550519	2.32E-38	0.440504	1.37E-23	0.487162
0.26073	1.07E-08	0.409746	2.47E-20	0.251665	3.53E-08	0.200206	1.31E-05	0.253362
0.458281	1.26E-25	0.259892	1.20E-08	0.562642	2.41E-40	0.272016	2.29E-09	0.427402
0.451965	6.87E-25	0.534788	6.65E-36	0.421413	1.57E-21	0.400603	1.98E-19	0.373929
0.337959	6.11E-14	0.515968	3.95E-33	0.242724	1.09E-07	0.180422	8.83E-05	0.312632
0.344046	2.01E-14	0.396282	5.19E-19	0.410091	2.28E-20	0.165433	0.00033	0.375706
0.167785	0.00027	0.309	8.64E-12	-0.05045	0.27662	-0.10128	0.02863	0.025727
0.263214	7.70E-09	0.058994	0.20317	0.300094	3.57E-11	0.110013	0.01739	0.176667
0.367397	2.27E-16	0.380461	1.56E-17	0.34858	8.67E-15	0.287672	2.38E-10	0.320678
0.188649	4.08E-05	0.086315	0.06235	0.00163	0.97198	-0.1333	0.0039	0.000867
0.198243	1.59E-05	0.402553	1.28E-19	0.163926	0.00038	0.182119	7.55E-05	0.14241
0.229871	5.12E-07	0.368767	1.72E-16	0.178752	0.0001	0.188357	4.20E-05	0.14142
0.371337	1.03E-16	0.691106	1.44E-67	0.374489	5.39E-17	0.447464	2.26E-24	0.28109
0.337639	6.47E-14	0.339739	4.43E-14	0.329992	2.52E-13	0.314701	3.40E-12	0.189805
0.375708	4.19E-17	0.374199	5.72E-17	0.322433	9.28E-13	0.24984	4.46E-08	0.317136
0.248803	5.09E-08	0.365305	3.44E-16	0.10495	0.02332	0.06255	0.1772	0.180705
0.336984	7.28E-14	0.55812	1.36E-39	0.218666	1.84E-06	0.356148	2.06E-15	0.1929
0.437725	2.79E-23	0.599129	7.77E-47	0.303931	1.95E-11	0.30893	8.74E-12	0.336979
0.416047	5.66E-21	0.305012	1.64E-11	0.49175	8.33E-30	0.297197	5.60E-11	0.395091
0.481934	1.56E-28	0.449343	1.38E-24	0.631983	1.93E-53	0.425434	5.95E-22	0.454689
0.344571	1.83E-14	0.414313	8.52E-21	0.330745	2.20E-13	0.116033	0.0121	0.300836
0.454505	3.48E-25	0.599724	5.99E-47	0.285013	3.54E-10	0.210309	4.56E-06	0.282772
0.268372	3.80E-09	0.419033	2.79E-21	0.236524	2.33E-07	0.205604	7.49E-06	0.434364
0.41303	1.15E-20	0.479722	2.99E-28	0.550598	2.26E-38	0.354168	3.01E-15	0.536776
0.275089	1.49E-09	0.295968	6.78E-11	0.16838	0.00026	0.045619	0.32526	0.203011



0.252835	3.03E-08	0.251361	3.67E-08	0.057655	0.21363	-0.03347	0.47058	0.045207
0.513653	8.43E-33	0.605952	3.82E-48	0.722796	1.21E-76	0.56984	1.46E-41	0.685449
0.272109	2.26E-09	0.203896	8.95E-06	0.278538	9.08E-10	0.082654	0.07435	0.205318
0.265755	5.45E-09	0.312732	4.70E-12	0.118856	0.01015	0.145388	0.00163	0.054815
0.318795	1.72E-12	0.32654	4.59E-13	0.390223	1.95E-18	0.250172	4.27E-08	0.430692
0.109896	0.01752	-0.04208	0.3642	0.147605	0.00138	-0.05761	0.21397	0.120751
0.491457	9.11E-30	0.371535	9.85E-17	0.735508	1.20E-80	0.511873	1.50E-32	0.62084
0.353048	3.73E-15	0.390348	1.90E-18	0.33955	4.58E-14	0.247217	6.22E-08	0.355213
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0.078371	0.09071	0.121583	0.00853	0.004287	0.92639	-0.13616	0.00319	0.08433
0.476836	6.91E-28	0.580094	2.39E-43	0.496906	1.72E-30	0.329069	2.96E-13	0.512596
0.533433	1.07E-35	0.61015	5.77E-49	0.700729	3.38E-70	0.483506	9.84E-29	0.644428
0.393597	9.37E-19	0.367453	2.24E-16	0.36629	2.83E-16	0.168492	0.00025	0.35123
0.231972	4.00E-07	0.278399	9.27E-10	0.135524	0.00334	-0.01888	0.68401	0.129515
0.05465	0.23851	-0.03212	0.48873	-0.08699	0.06032	-0.1341	0.00369	-0.11204
0.344264	1.93E-14	0.464094	2.55E-26	0.289867	1.72E-10	0.144099	0.0018	0.285012
0.392164	1.28E-18	0.519766	1.12E-33	0.347735	1.02E-14	0.223706	1.04E-06	0.361263
0.522362	4.71E-34	0.519143	1.38E-33	0.656001	8.53E-59	0.46175	4.86E-26	0.545064
0.479382	3.30E-28	0.621392	3.17E-51	0.609995	6.19E-49	0.561207	4.19E-40	0.538529
0.146159	0.00154	0.240104	1.51E-07	0.28304	4.73E-10	0.125135	0.00678	0.347716
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0.291964	1.25E-10	0.206221	7.03E-06	0.313069	4.45E-12	0.141683	0.00215	0.307829
0.286357	2.90E-10	0.359681	1.04E-15	0.276792	1.17E-09	0.166529	0.0003	0.321003
0.351135	5.36E-15	0.567481	3.70E-41	0.367945	2.03E-16	0.353522	3.41E-15	0.356559
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0.22838	6.10E-07	0.053423	0.24923	0.254436	2.47E-08	-0.03594	0.43842	0.253124
0.059921	0.19615	0.062349	0.1786	0.028198	0.54329	-0.09031	0.05113	0.051087
0.1828	7.09E-05	0.052425	0.2582	0.046654	0.3144	-0.18164	7.89E-05	0.042649
0.088073	0.05719	0.252833	3.04E-08	0.135877	0.00326	0.082276	0.07569	0.265772
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0.389599	2.24E-18	0.294639	8.31E-11	0.411523	1.64E-20	0.254471	2.45E-08	0.328051
0.144248	0.00178	0.203993	8.86E-06	0.082327	0.07551	0.014809	0.74959	0.265032
0.499296	8.19E-31	0.419426	2.54E-21	0.70858	2.02E-72	0.476602	7.40E-28	0.552745
0.498271	1.13E-30	0.391934	1.35E-18	0.667651	1.42E-61	0.364637	3.93E-16	0.649416
0.391935	1.35E-18	0.094889	0.04039	0.07982	0.08488	-0.17496	0.00014	0.177382
0.25452	2.44E-08	0.133865	0.00375	0.303342	2.14E-11	0.025872	0.57705	0.312457
0.407358	4.28E-20	0.653146	3.92E-58	0.310495	6.78E-12	0.335664	9.22E-14	0.307218
0.238068	1.93E-07	0.474126	1.51E-27	-0.04438	0.33862	0.054327	0.2413	0.032211
0.29591	6.84E-11	0.565436	8.20E-41	0.028565	0.53805	0.095874	0.03835	0.08948

0.394784	7.22E-19	0.752423	2.37E-86	0.300968	3.11E-11	0.3707	1.17E-16	0.327985
0.233811	3.22E-07	0.547222	7.80E-38	0.059783	0.19719	0.165037	0.00034	0.094248
-0.19067	3.36E-05	-0.22601	8.01E-07	-0.21478	2.82E-06	-0.06874	0.13801	-0.23088
0.125441	0.00664	0.134007	0.00372	-0.04787	0.30195	-0.11143	0.01599	0.057718
0.430829	1.58E-22	0.512996	1.04E-32	0.326555	4.58E-13	0.179195	9.88E-05	0.323585
0.18446	6.07E-05	0.339851	4.34E-14	-0.03129	0.49997	-0.07755	0.09414	0.048705
0.43883	2.11E-23	0.58275	8.06E-44	0.390946	1.67E-18	0.238275	1.88E-07	0.397939
0.456651	1.95E-25	0.646918	1.03E-56	0.614363	8.41E-50	0.496945	1.70E-30	0.612959
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0.228587	5.95E-07	0.283647	4.32E-10	0.397699	3.79E-19	0.200915	1.22E-05	0.383572
0.236556	2.32E-07	0.300402	3.40E-11	-0.01241	0.78908	-0.03101	0.50386	0.003853
0.41232	1.36E-20	0.292748	1.11E-10	0.483564	9.67E-29	0.167227	0.00028	0.44457
0.271592	2.43E-09	0.377843	2.70E-17	0.270663	2.77E-09	0.112961	0.01459	0.29161
0.494749	3.34E-30	0.728311	2.36E-78	0.494936	3.15E-30	0.5187	1.60E-33	0.474837
0.209855	4.79E-06	0.174578	0.00015	0.171471	0.0002	0.00106	0.98177	0.220553
0.152331	0.00096	0.210034	4.70E-06	-0.04355	0.34774	-0.14675	0.00147	0.048521
0.545043	1.72E-37	0.578276	5.02E-43	0.682833	2.17E-65	0.44325	6.77E-24	0.621315
0.144932	0.00169	0.327794	3.69E-13	0.015183	0.74349	0.076373	0.09927	0.122585
0.043312	0.35035	0.092061	0.04677	-0.07805	0.09206	-0.15957	0.00054	0.014685
0.137946	0.00281	0.211845	3.87E-06	0.160779	0.00049	0.02984	0.52005	0.291206
0.261423	9.79E-09	0.427934	3.22E-22	0.078125	0.09173	-0.00295	0.94922	0.141258
0.501791	3.75E-31	0.712542	1.43E-73	0.480631	2.29E-28	0.483727	9.22E-29	0.481005
0.437375	3.05E-23	0.55209	1.30E-38	0.586983	1.39E-44	0.497573	1.40E-30	0.558528
0.481576	1.74E-28	0.547896	6.10E-38	0.642693	9.07E-56	0.439209	1.91E-23	0.573123
0.209704	4.87E-06	0.341986	2.94E-14	0.025398	0.58406	0.101311	0.02859	0.106898
0.40313	1.12E-19	0.50863	4.29E-32	0.526712	1.08E-34	0.34901	8.00E-15	0.7079
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0.186221	5.14E-05	0.013238	0.7754	0.108357	0.01917	-0.04029	0.38498	-0.00489
0.232099	3.94E-07	0.460233	7.37E-26	0.091577	0.04795	0.118774	0.0102	0.111989
0.518877	1.51E-33	0.428819	2.59E-22	0.543112	3.46E-37	0.35012	6.50E-15	0.467351
0.619847	6.57E-51	0.285725	3.18E-10	0.350252	6.34E-15	0.154332	0.00082	0.347694
0.317351	2.19E-12	0.229679	5.24E-07	0.238568	1.82E-07	0.1287	0.00535	0.274721
-0.01931	0.67718	0.059565	0.19883	-0.1353	0.0034	-0.24891	5.02E-08	-0.08422
0.100579	0.02976	0.093725	0.04292	-0.04578	0.32359	-0.08002	0.08409	-0.02699
0.184254	6.19E-05	0.290515	1.56E-10	0.149726	0.00117	0.176718	0.00012	0.206553
0.322697	8.87E-13	0.252615	3.12E-08	0.429476	2.20E-22	0.229323	5.46E-07	0.378301
0.366481	2.72E-16	0.3287	3.15E-13	0.533862	9.19E-36	0.231021	4.48E-07	0.509085
0.32168	1.06E-12	0.496805	1.77E-30	0.239054	1.71E-07	0.233206	3.46E-07	0.268772
0.06909	0.13601	0.033601	0.46883	0.098506	0.03332	-0.09212	0.04663	0.102782
0.272568	2.12E-09	0.31702	2.31E-12	0.286147	2.99E-10	0.040687	0.38034	0.334457
0.16598	0.00032	0.201773	1.11E-05	-0.01338	0.7731	-0.04388	0.34406	-0.00462
0.497343	1.50E-30	0.433517	8.07E-23	0.449052	1.49E-24	0.188952	3.97E-05	0.430328
0.328429	3.31E-13	0.532298	1.58E-35	0.200959	1.21E-05	0.276191	1.27E-09	0.182215
0.386169	4.67E-18	0.67402	3.80E-63	0.390352	1.90E-18	0.332919	1.50E-13	0.442892
0.425175	6.33E-22	0.563976	1.44E-40	0.379379	1.96E-17	0.422284	1.28E-21	0.2725

0.159193	0.00055	0.226778	7.34E-07	-0.09152	0.04809	-0.20996	4.74E-06	-0.01579
0.054751	0.23765	-0.16578	0.00032	-0.04147	0.37119	-0.34028	4.01E-14	-0.07859
0.34132	3.32E-14	0.253378	2.83E-08	0.188113	4.30E-05	0.087036	0.06019	0.149899
-0.15843	0.00059	-0.23072	4.64E-07	-0.14201	0.0021	-0.03154	0.49662	-0.22183
0.136185	0.00319	-0.00277	0.95241	-0.09497	0.04021	-0.16169	0.00045	-0.14981
0.03102	0.50367	0.249337	4.75E-08	-0.0662	0.15322	-0.04907	0.28997	0.016884
0.415979	5.75E-21	0.376498	3.56E-17	0.688578	6.78E-67	0.438256	2.44E-23	0.63832
0.03873	0.4037	-0.05938	0.20025	-0.05931	0.20078	-0.22416	9.90E-07	0.005163
0.655922	8.90E-59	0.383157	8.86E-18	0.445393	3.88E-24	0.254946	2.31E-08	0.358838
0.180288	8.94E-05	0.181974	7.65E-05	0.054141	0.24292	-0.07476	0.10662	0.201749
0.198351	1.58E-05	0.31745	2.15E-12	0.167065	0.00029	0.046909	0.31175	0.338523
0.403889	9.45E-20	0.384206	7.10E-18	0.399104	2.77E-19	0.269459	3.27E-09	0.292102
0.537828	2.28E-36	0.522428	4.61E-34	0.69504	1.25E-68	0.513411	9.12E-33	0.644586
0.275519	1.40E-09	0.31239	4.97E-12	0.247948	5.67E-08	0.21432	2.96E-06	0.279962
-0.1331	0.00396	-0.19506	2.19E-05	-0.29527	7.54E-11	0.003892	0.93315	-0.38247
0.051848	0.26348	-0.0975	0.03517	0.105862	0.02214	-0.07503	0.10536	0.118383
-0.28453	3.80E-10	-0.45371	4.31E-25	-0.17732	0.00012	-0.14488	0.00169	-0.23274
0.269619	3.20E-09	0.345542	1.53E-14	0.249204	4.84E-08	0.137159	0.00298	0.261494
0.037352	0.42065	0.27012	2.99E-09	-0.179	0.0001	-0.20561	7.49E-06	-0.03541
0.402933	1.17E-19	0.662568	2.40E-60	0.33143	1.95E-13	0.368678	1.75E-16	0.309979
0.260269	1.14E-08	0.230313	4.86E-07	0.057878	0.21187	-0.14485	0.0017	0.270359
0.505496	1.17E-31	0.474734	1.27E-27	0.497792	1.31E-30	0.263081	7.83E-09	0.44663
0.262447	8.53E-09	0.10194	0.02761	0.241081	1.34E-07	0.055433	0.23184	0.121942
0.482392	1.37E-28	0.411616	1.60E-20	0.684022	1.07E-65	0.382712	9.74E-18	0.670595
-0.31588	2.80E-12	-0.38914	2.47E-18	-0.2481	5.57E-08	-0.25171	3.51E-08	-0.15026
0.341122	3.44E-14	0.285227	3.43E-10	0.445831	3.46E-24	0.303821	1.98E-11	0.331208
0.454545	3.45E-25	0.43676	3.56E-23	0.447724	2.11E-24	0.353033	3.74E-15	0.407553
-0.06171	0.18313	-0.14271	0.00199	0.047538	0.3053	0.034501	0.457	-0.05055
0.398426	3.23E-19	0.478174	4.69E-28	0.299759	3.76E-11	0.091373	0.04845	0.352156
0.52214	5.08E-34	0.583523	5.86E-44	0.763328	2.79E-90	0.582708	8.20E-44	0.715341
0.211877	3.86E-06	0.359608	1.06E-15	0.017918	0.69934	-0.07029	0.1293	0.127672
0.421313	1.61E-21	0.373	7.31E-17	0.463526	2.98E-26	0.374947	4.91E-17	0.41715
0.346629	1.25E-14	0.46567	1.64E-26	0.399988	2.28E-19	0.199445	1.41E-05	0.421846
0.287381	2.49E-10	0.392633	1.16E-18	0.062545	0.17723	-0.02193	0.6364	0.160286
0.235443	2.65E-07	0.037431	0.41967	0.11081	0.01659	-0.13349	0.00385	0.089299
0.297892	5.03E-11	0.191191	3.20E-05	0.264806	6.20E-09	0.225902	8.11E-07	0.257552
0.325379	5.60E-13	0.202878	9.94E-06	0.551264	1.77E-38	0.204815	8.13E-06	0.483528
0.275136	1.48E-09	0.102904	0.02617	0.319972	1.41E-12	0.048169	0.29891	0.334141
0.464417	2.33E-26	0.551803	1.45E-38	0.511943	1.47E-32	0.292816	1.10E-10	0.557717
0.178914	0.0001	0.141749	0.00214	0.330017	2.50E-13	0.077692	0.09355	0.302742
0.232476	3.77E-07	0.074727	0.10679	0.276984	1.13E-09	-0.01398	0.76314	0.280845
0.077591	0.09398	-0.15265	0.00093	0.094188	0.0419	-0.22455	9.47E-07	0.081131
0.362185	6.38E-16	0.298004	4.95E-11	0.294179	8.92E-11	0.001402	0.97589	0.294557
0.14886	0.00125	0.273387	1.89E-09	0.069753	0.13228	-0.04037	0.3841	0.089032
0.13645	0.00313	0.108731	0.01875	0.195946	2.00E-05	0.011853	0.79837	0.212661

0.376776	3.36E-17	0.511874	1.50E-32	0.393231	1.02E-18	0.219997	1.58E-06	0.358297
0.249091	4.91E-08	0.15509	0.00077	0.171731	0.00019	0.048382	0.29679	0.144576
0.012675	0.78471	-0.1873	4.64E-05	-0.07309	0.11473	-0.33442	1.15E-13	-0.05782
0.318421	1.83E-12	0.471287	3.39E-27	0.113362	0.01424	0.032615	0.48198	0.226543
0.139539	0.00251	-0.05395	0.24461	0.089658	0.05284	-0.13851	0.0027	0.032852
0.255995	2.01E-08	0.505493	1.17E-31	0.003114	0.9465	0.024453	0.59812	0.094021
0.608882	1.02E-48	0.532127	1.68E-35	0.333655	1.32E-13	0.210511	4.46E-06	0.329806
0.150648	0.00109	0.152976	0.00091	-0.04437	0.33869	-0.13396	0.00373	0.020479
0.138255	0.00275	0.263427	7.48E-09	0.156625	0.00068	0.033719	0.46727	0.294921
0.496258	2.10E-30	0.214421	2.93E-06	0.155422	0.00075	0.041707	0.36851	0.151177
0.106054	0.0219	0.348372	9.02E-15	0.035648	0.44217	0.068809	0.13761	0.01819
0.236774	2.26E-07	0.098623	0.03311	0.223767	1.04E-06	-0.0533	0.25031	0.135524
0.335775	9.04E-14	0.228488	6.02E-07	0.269471	3.27E-09	0.127486	0.0058	0.268837
0.516767	3.03E-33	0.534046	8.62E-36	0.523581	3.13E-34	0.339451	4.66E-14	0.510469
0.219935	1.59E-06	0.201738	1.12E-05	0.096056	0.03798	0.016502	0.72208	0.09644
0.502699	2.82E-31	0.55336	8.10E-39	0.499202	8.43E-31	0.398682	3.05E-19	0.463418
0.460415	7.02E-26	0.426321	4.79E-22	0.46865	7.14E-27	0.266265	5.08E-09	0.474008
0.412288	1.37E-20	0.512389	1.27E-32	0.487794	2.75E-29	0.39747	3.99E-19	0.349794
0.275687	1.37E-09	0.417097	4.42E-21	0.280062	7.29E-10	0.282825	4.88E-10	0.385214
0.495496	2.65E-30	0.733953	3.81E-80	0.626711	2.51E-52	0.547533	6.96E-38	0.635166
-0.10793	0.01965	-0.0679	0.1429	-0.09237	0.04604	0.040923	0.37759	-0.07309
0.008822	0.8492	-0.23083	4.58E-07	0.089173	0.05414	0.046834	0.31253	-0.01948
0.496756	1.80E-30	0.529055	4.85E-35	0.6636	1.36E-60	0.410814	1.93E-20	0.594674
0.354206	2.99E-15	0.610995	3.93E-49	0.317056	2.30E-12	0.325906	5.12E-13	0.433903
0.136361	0.00315	0.108717	0.01877	-0.00748	0.87199	-0.21799	1.98E-06	0.04498
0.352593	4.07E-15	0.531532	2.07E-35	0.393315	9.97E-19	0.365239	3.49E-16	0.413986
0.451013	8.85E-25	0.417587	3.93E-21	0.484657	7.00E-29	0.312299	5.05E-12	0.385499
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0.292476	1.16E-10	0.13548	0.00335	0.389413	2.33E-18	0.094173	0.04194	0.340605
0.228272	6.17E-07	0.166798	0.00029	0.066699	0.15012	-0.0086	0.85294	-0.0061
0.283345	4.52E-10	0.216499	2.33E-06	0.283672	4.31E-10	0.13708	0.00299	0.328245
0.36098	8.07E-16	0.336329	8.19E-14	0.42314	1.04E-21	0.088496	0.056	0.451703
0.419526	2.48E-21	0.419768	2.34E-21	0.521442	6.42E-34	0.272633	2.10E-09	0.506823
0.120498	0.00915	0.220244	1.54E-06	-0.00793	0.86433	-0.07126	0.12411	0.079767
0.303041	2.24E-11	0.330152	2.45E-13	0.280401	6.94E-10	0.148182	0.00132	0.255407
0.233939	3.17E-07	0.14468	0.00172	0.237029	2.19E-07	0.0271	0.5591	0.293576
0.302425	2.47E-11	0.456603	1.98E-25	0.342759	2.55E-14	0.209324	5.07E-06	0.287261
0.566071	6.41E-41	0.555013	4.37E-39	0.510904	2.06E-32	0.448332	1.80E-24	0.381629
0.234987	2.80E-07	0.409857	2.41E-20	0.338537	5.50E-14	0.215366	2.64E-06	0.304261
0.108711	0.01878	0.188197	4.26E-05	0.033074	0.47584	-0.0351	0.44923	0.16984
0.262303	8.70E-09	0.369703	1.43E-16	0.226471	7.60E-07	0.066539	0.1511	0.227879
0.419307	2.61E-21	0.460173	7.50E-26	0.558054	1.39E-39	0.384625	6.49E-18	0.501701
0.270539	2.82E-09	0.238359	1.86E-07	0.241561	1.26E-07	0.075595	0.10277	0.27537
0.396582	4.86E-19	0.377856	2.69E-17	0.539982	1.06E-36	0.325552	5.44E-13	0.536085
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0.303834	1.98E-11	0.488629	2.14E-29	0.182803	7.09E-05	0.272421	2.17E-09	0.173182
0.184658	5.96E-05	0.421699	1.47E-21	0.180668	8.63E-05	0.20953	4.96E-06	0.177718
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0.348782	8.35E-15	0.324155	6.92E-13	0.563276	1.89E-40	0.332959	1.49E-13	0.48492
0.261092	1.02E-08	0.340968	3.54E-14	0.483237	1.07E-28	0.333689	1.31E-13	0.510641
0.457984	1.36E-25	0.484558	7.21E-29	0.62432	7.90E-52	0.43654	3.77E-23	0.502766
0.13443	0.00361	0.169562	0.00023	0.053223	0.25101	-0.02626	0.57137	0.056824
0.156202	0.00071	0.262581	8.38E-09	0.254615	2.41E-08	0.151935	0.00099	0.34052
0.297061	5.72E-11	0.315617	2.92E-12	0.256045	2.00E-08	0.143631	0.00186	0.299205
0.295811	6.94E-11	0.220709	1.46E-06	0.396873	4.56E-19	0.171327	0.0002	0.432708
0.115405	0.01257	0.19157	3.08E-05	0.159145	0.00056	0.116451	0.01179	0.125796
0.550678	2.19E-38	0.469435	5.72E-27	0.488382	2.30E-29	0.261302	9.95E-09	0.537057
0.080701	0.08149	0.243585	9.80E-08	0.212981	3.42E-06	0.14896	0.00124	0.258059
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0.28515	3.47E-10	0.441865	9.68E-24	0.394795	7.21E-19	0.24862	5.21E-08	0.343798
0.472492	2.40E-27	0.537007	3.05E-36	0.294588	8.38E-11	0.361417	7.41E-16	0.265499
0.473146	2.00E-27	0.58288	7.64E-44	0.638519	7.52E-55	0.514439	6.52E-33	0.531183
0.464345	2.38E-26	0.495583	2.58E-30	0.334384	1.16E-13	0.185507	5.50E-05	0.313308
0.247954	5.67E-08	0.206227	7.02E-06	0.116362	0.01186	-0.01121	0.80913	0.278901
0.196181	1.96E-05	0.128845	0.00529	0.139973	0.00243	0.072545	0.11745	0.281143
0.241495	1.27E-07	0.189127	3.90E-05	0.181461	8.02E-05	0.190692	3.35E-05	0.208506
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0.187914	4.38E-05	0.278115	9.65E-10	0.244777	8.45E-08	0.247572	5.95E-08	0.293282
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0.140112	0.00241	0.128509	0.00542	0.131851	0.00432	0.154531	0.00081	0.160846
0.039255	0.39735	0.031466	0.49756	-0.09165	0.04777	0.025398	0.58405	0.000392
0.219958	1.59E-06	0.130612	0.0047	0.426532	4.55E-22	0.408406	3.37E-20	0.332274
0.073486	0.11276	0.143264	0.00191	0.109957	0.01745	0.221582	1.33E-06	0.174272
0.071731	0.12163	0.134622	0.00356	0.315669	2.90E-12	0.390762	1.74E-18	0.245066
0.024631	0.59546	0.010799	0.81596	0.105618	0.02245	0.197047	1.80E-05	0.131802
0.276347	1.24E-09	0.233709	3.26E-07	0.545953	1.24E-37	0.436004	4.32E-23	0.523559
0.161316	0.00047	0.23371	3.26E-07	0.367406	2.26E-16	0.427111	3.95E-22	0.308354
0.194858	2.23E-05	0.324748	6.25E-13	0.376964	3.24E-17	0.50677	7.77E-32	0.344721
0.019644	0.67199	-0.03092	0.50503	-0.17604	0.00013	-0.32477	6.23E-13	-0.15639
0.181618	7.91E-05	0.221568	1.33E-06	0.466949	1.15E-26	0.488968	1.93E-29	0.456697
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0.133493	0.00385	0.188016	4.34E-05	0.411972	1.47E-20	0.423657	9.16E-22	0.434609
0.305695	1.47E-11	0.275115	1.48E-09	0.642247	1.14E-55	0.546392	1.06E-37	0.584014
0.46943	5.73E-27	0.557558	1.68E-39	0.69916	9.22E-70	0.708767	1.78E-72	0.594958
0.170867	0.00021	0.222266	1.23E-06	0.565515	7.95E-41	0.598292	1.12E-46	0.490132
0.258353	1.47E-08	0.552632	1.06E-38	0.523614	3.09E-34	0.6062	3.42E-48	0.542698
0.351616	4.90E-15	0.306341	1.33E-11	0.585694	2.38E-44	0.585998	2.10E-44	0.497954
0.354507	2.83E-15	0.410299	2.17E-20	0.578786	4.08E-43	0.545284	1.58E-37	0.516858

0.161403	0.00046	0.060856	0.18925	0.199034	1.47E-05	0.267399	4.35E-09	0.172082
0.285214	3.43E-10	0.253521	2.78E-08	0.195492	2.10E-05	0.330238	2.41E-13	0.143808
0.360405	9.04E-16	0.491922	7.91E-30	0.568588	2.40E-41	0.644489	3.61E-56	0.521989
0.199885	1.35E-05	0.374625	5.24E-17	0.202574	1.03E-05	0.305214	1.59E-11	0.452812
-0.00649	0.88876	-0.01347	0.77159	0.112356	0.01513	0.198788	1.51E-05	0.050931
0.153549	0.00087	0.155144	0.00077	0.265227	5.86E-09	0.277109	1.11E-09	0.297619
0.117043	0.01137	0.123782	0.0074	0.339274	4.82E-14	0.395608	6.02E-19	0.326615
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0.285065	3.51E-10	0.361575	7.19E-16	0.224128	9.94E-07	0.302609	2.40E-11	0.298984
0.480792	2.19E-28	0.522405	4.65E-34	0.664968	6.36E-61	0.591521	2.05E-45	0.595269
0.259156	1.33E-08	0.229215	5.53E-07	0.358467	1.32E-15	0.34157	3.17E-14	0.357857
0.292243	1.20E-10	0.329235	2.87E-13	0.505375	1.21E-31	0.552359	1.18E-38	0.459731
0.051927	0.26275	0.207265	6.30E-06	0.061625	0.18371	0.201226	1.18E-05	0.123615
0.144874	0.0017	0.182096	7.57E-05	0.368793	1.71E-16	0.317811	2.03E-12	0.434504
0.020545	0.65788	0.090123	0.05162	-0.00059	0.98993	0.109557	0.01787	0.038795
0.187019	4.77E-05	0.104527	0.02388	0.493174	5.40E-30	0.393203	1.02E-18	0.45294
0.089587	0.05303	0.178286	0.00011	0.154568	0.0008	0.319506	1.52E-12	0.122164
0.189901	3.62E-05	0.42513	6.40E-22	0.285818	3.14E-10	0.452116	6.60E-25	0.279402
0.30836	9.59E-12	0.231525	4.22E-07	0.334364	1.16E-13	0.277842	1.00E-09	0.31959
0.300023	3.61E-11	0.312967	4.53E-12	0.526516	1.16E-34	0.560691	5.10E-40	0.417908
0.240437	1.45E-07	0.297042	5.74E-11	0.563394	1.81E-40	0.619377	8.18E-51	0.439694
0.426818	4.24E-22	0.557428	1.76E-39	0.642883	8.23E-56	0.562487	2.56E-40	0.58585
0.277739	1.02E-09	0.41093	1.88E-20	0.451709	7.36E-25	0.546228	1.12E-37	0.419609
0.099074	0.03231	0.025923	0.57631	0.143623	0.00186	0.223574	1.06E-06	0.156692
-0.03269	0.48097	0.09547	0.03918	0.236936	2.21E-07	0.384082	7.29E-18	0.255434
0.008315	0.85778	0.106119	0.02181	0.256776	1.82E-08	0.410913	1.88E-20	0.232953
0.056352	0.22418	-0.0497	0.28376	-0.09042	0.05084	0.002419	0.95843	-0.01951
0.252152	3.31E-08	0.153249	0.00089	0.458969	1.04E-25	0.458814	1.09E-25	0.421781
-0.13486	0.0035	-0.17124	0.0002	-0.22202	1.26E-06	-0.33579	9.02E-14	-0.24106
0.28378	4.24E-10	0.049565	0.28512	0.510222	2.57E-32	0.427119	3.94E-22	0.391609
0.491115	1.01E-29	0.54752	6.99E-38	0.728707	1.77E-78	0.657677	3.46E-59	0.62382
0.21659	2.31E-06	0.155856	0.00073	0.353133	3.67E-15	0.364147	4.33E-16	0.333418
0.300592	3.30E-11	0.121704	0.00847	0.336259	8.29E-14	0.222594	1.18E-06	0.365977
0.172594	0.00018	0.197637	1.69E-05	0.406341	5.41E-20	0.308618	9.20E-12	0.4128
-0.10573	0.0223	0.085492	0.0649	-0.04558	0.32564	0.206153	7.08E-06	-0.05312
0.193058	2.66E-05	0.068414	0.13989	0.418595	3.09E-21	0.356413	1.96E-15	0.387451
0.179965	9.21E-05	0.037301	0.42129	0.446396	2.99E-24	0.251568	3.57E-08	0.416473
-0.00674	0.88454	0.026836	0.56294	0.114097	0.01362	0.210261	4.59E-06	0.100889
0.031215	0.501	0.175883	0.00013	0.073545	0.11247	0.232566	3.73E-07	0.141456
-0.26493	6.10E-09	-0.34482	1.75E-14	-0.2993	4.04E-11	-0.44103	1.20E-23	-0.25554
0.018782	0.6856	-0.00755	0.87067	0.099482	0.0316	0.102151	0.02729	0.063849
0.092633	0.04542	-0.02603	0.57471	-0.01118	0.80959	-0.01119	0.80934	0.009559
0.43175	1.25E-22	0.522246	4.90E-34	0.736178	7.26E-81	0.640738	2.45E-55	0.658463
-0.10049	0.0299	-0.17508	0.00014	-0.21332	3.30E-06	-0.32057	1.27E-12	-0.23441
0.405449	6.63E-20	0.34485	1.74E-14	0.715647	1.73E-74	0.618412	1.29E-50	0.588267

0.245238	7.98E-08	0.283551	4.38E-10	0.360022	9.74E-16	0.376686	3.43E-17	0.299532
0.229192	5.55E-07	0.133726	0.00379	0.220651	1.47E-06	0.222805	1.15E-06	0.124306
0.240078	1.51E-07	0.195167	2.16E-05	0.587683	1.04E-44	0.40601	5.83E-20	0.540712
0.417677	3.85E-21	0.531557	2.05E-35	0.701504	2.05E-70	0.686201	2.87E-66	0.616969
0.358468	1.32E-15	0.368474	1.83E-16	0.701543	2.00E-70	0.64558	2.06E-56	0.586602
0.277594	1.04E-09	0.479437	3.25E-28	0.490065	1.39E-29	0.570179	1.28E-41	0.561473
0.432634	1.01E-22	0.550918	2.01E-38	0.590935	2.63E-45	0.657234	4.39E-59	0.508578
0.462243	4.25E-26	0.531293	2.24E-35	0.653583	3.11E-58	0.610574	4.76E-49	0.593851
0.113303	0.01429	0.132387	0.00416	0.402561	1.28E-19	0.387693	3.37E-18	0.366971
0.181317	8.13E-05	0.086342	0.06227	0.363636	4.79E-16	0.306612	1.27E-11	0.362922
0.434131	6.91E-23	0.594582	5.56E-46	0.665414	4.96E-61	0.700618	3.63E-70	0.624016
0.28515	3.46E-10	0.422532	1.20E-21	0.624319	7.90E-52	0.755078	2.74E-87	0.451116
0.459523	8.95E-26	0.703187	6.93E-71	0.594202	6.54E-46	0.645055	2.70E-56	0.554879
0.06922	0.13527	0.211147	4.17E-06	0.127772	0.00569	0.28892	1.98E-10	0.209965
0.128946	0.00526	0.181945	7.67E-05	0.212559	3.58E-06	0.308283	9.71E-12	0.219096
0.057385	0.21579	0.146851	0.00146	0.070502	0.12817	0.221457	1.34E-06	0.137053
0.029629	0.52301	0.131948	0.00429	-0.01381	0.76598	0.199144	1.45E-05	0.038549
0.294515	8.47E-11	0.300614	3.29E-11	0.695435	9.73E-69	0.6473	8.45E-57	0.598877
0.191616	3.07E-05	0.453086	5.10E-25	0.353138	3.67E-15	0.506018	9.88E-32	0.339569
0.308876	8.82E-12	0.373434	6.69E-17	0.527128	9.39E-35	0.507204	6.76E-32	0.478479
0.468546	7.35E-27	0.553796	6.89E-39	0.728468	2.11E-78	0.668372	9.47E-62	0.636719
0.070268	0.12944	0.40529	6.87E-20	0.258206	1.50E-08	0.475264	1.09E-27	0.247861
0.368698	1.75E-16	0.247429	6.06E-08	0.5795	3.05E-43	0.432171	1.13E-22	0.462382
0.244637	8.60E-08	0.358316	1.36E-15	0.25231	3.25E-08	0.313882	3.89E-12	0.348306
0.264814	6.19E-09	0.345195	1.63E-14	0.462572	3.88E-26	0.554548	5.20E-39	0.448069
0.485655	5.20E-29	0.472193	2.62E-27	0.646933	1.02E-56	0.594255	6.40E-46	0.585467
0.354706	2.72E-15	0.503809	1.99E-31	0.609196	8.89E-49	0.70126	2.40E-70	0.496362
0.53502	6.13E-36	0.300444	3.38E-11	0.388076	3.11E-18	0.333704	1.31E-13	0.429267
0.161977	0.00044	0.083254	0.07227	0.382095	1.11E-17	0.399101	2.78E-19	0.347672
0.429046	2.45E-22	0.656381	6.95E-59	0.650349	1.72E-57	0.722754	1.25E-76	0.619491
0.086479	0.06186	0.051035	0.27106	0.167386	0.00028	0.214925	2.77E-06	0.174054
-0.0431	0.35271	-0.00647	0.88918	0.146907	0.00146	0.209289	5.08E-06	0.156657
0.053259	0.25069	0.04527	0.32898	0.099199	0.03209	0.08064	0.08172	0.210891
0.34684	1.20E-14	0.342542	2.65E-14	0.681078	6.16E-65	0.578145	5.29E-43	0.589903
0.298013	4.94E-11	0.457139	1.71E-25	0.422026	1.36E-21	0.576276	1.13E-42	0.36358
0.15971	0.00053	0.284434	3.85E-10	0.203431	9.39E-06	0.29286	1.09E-10	0.258245
0.326318	4.77E-13	0.542342	4.56E-37	0.455136	2.94E-25	0.65189	7.62E-58	0.418579
0.305871	1.43E-11	0.131428	0.00444	0.527281	8.91E-35	0.348453	8.88E-15	0.527321
0.129727	0.00499	0.110803	0.0166	0.243753	9.60E-08	0.119399	0.00981	0.288709
0.058222	0.20916	0.14588	0.00157	0.081195	0.07963	0.253812	2.67E-08	0.066769
0.265889	5.35E-09	0.223629	1.05E-06	0.497985	1.23E-30	0.447825	2.05E-24	0.445467
0.376712	3.41E-17	0.640434	2.86E-55	0.478571	4.18E-28	0.642545	9.78E-56	0.442959
0.176557	0.00013	0.232815	3.62E-07	0.347376	1.09E-14	0.450555	9.99E-25	0.344012
0.230245	4.90E-07	0.107451	0.0202	0.22819	6.23E-07	0.106826	0.02095	0.248789
0.040465	0.38295	0.060461	0.19215	0.04672	0.3137	0.144945	0.00169	0.109449

0.338509	5.53E-14	0.450915	9.08E-25	0.550722	2.16E-38	0.544291	2.26E-37	0.514353
0.375694	4.21E-17	0.440756	1.29E-23	0.303387	2.12E-11	0.526476	1.17E-34	0.237045
0.365137	3.56E-16	0.502141	3.36E-31	0.659463	1.31E-59	0.577765	6.17E-43	0.642453
0.161324	0.00047	0.130575	0.00471	0.286142	2.99E-10	0.329093	2.94E-13	0.208032
0.264667	6.32E-09	0.137144	0.00298	0.612546	1.94E-49	0.443806	5.86E-24	0.556029
0.149257	0.00122	0.154546	0.00081	0.436051	4.26E-23	0.526619	1.12E-34	0.354367
0.223891	1.02E-06	0.253335	2.84E-08	0.580853	1.76E-43	0.567188	4.14E-41	0.507283
0.135141	0.00343	0.157678	0.00063	0.393257	1.01E-18	0.352745	3.95E-15	0.424147
0.124859	0.0069	0.262407	8.58E-09	0.274729	1.56E-09	0.35691	1.78E-15	0.201875
0.231196	4.39E-07	0.160567	0.0005	0.278389	9.28E-10	0.179587	9.53E-05	0.301397
0.081262	0.07938	0.203162	9.65E-06	0.279423	8.00E-10	0.494189	3.96E-30	0.191163
0.176981	0.00012	0.072851	0.1159	0.382759	9.64E-18	0.34102	3.51E-14	0.400094
-0.00736	0.87404	0.166387	0.0003	0.21445	2.92E-06	0.392897	1.09E-18	0.253018
0.122764	0.00791	0.333345	1.39E-13	0.405804	6.11E-20	0.477817	5.20E-28	0.341694
0.3916	1.45E-18	0.486367	4.21E-29	0.477029	6.54E-28	0.561343	3.97E-40	0.434769
0.471491	3.20E-27	0.505733	1.08E-31	0.551937	1.38E-38	0.574134	2.66E-42	0.500149
0.276356	1.24E-09	0.385704	5.16E-18	0.252669	3.10E-08	0.389865	2.11E-18	0.302987
0.09453	0.04116	0.049925	0.28163	0.319081	1.64E-12	0.227125	7.05E-07	0.386467
-0.10869	0.0188	-0.20794	5.87E-06	-0.33238	1.65E-13	-0.43127	1.41E-22	-0.33783
0.402388	1.33E-19	0.544657	1.98E-37	0.65357	3.13E-58	0.612915	1.64E-49	0.613788
0.364496	4.04E-16	0.523184	3.58E-34	0.519093	1.41E-33	0.610774	4.35E-49	0.47827
0.360701	8.53E-16	0.480093	2.68E-28	0.536557	3.57E-36	0.562437	2.61E-40	0.475112
0.198001	1.63E-05	0.153759	0.00086	0.509965	2.79E-32	0.512174	1.36E-32	0.452648
0.317675	2.07E-12	0.332701	1.56E-13	0.513683	8.35E-33	0.49794	1.25E-30	0.50451
0.285678	3.20E-10	0.229406	5.41E-07	0.606178	3.45E-48	0.549122	3.89E-38	0.535446
0.218235	1.93E-06	0.222494	1.20E-06	0.508798	4.06E-32	0.57972	2.79E-43	0.550185
0.290059	1.67E-10	0.239999	1.53E-07	0.559576	7.80E-40	0.533285	1.12E-35	0.527323
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0.328589	3.21E-13	0.258849	1.38E-08	0.509008	3.79E-32	0.396843	4.59E-19	0.490685
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0.449653	1.27E-24	0.547334	7.49E-38	0.716589	9.09E-75	0.679396	1.66E-64	0.631745
0.279315	8.12E-10	0.284364	3.89E-10	0.463895	2.69E-26	0.506935	7.37E-32	0.446591
0.290014	1.68E-10	0.396016	5.51E-19	0.479468	3.22E-28	0.596741	2.19E-46	0.366934
0.394887	7.06E-19	0.508337	4.71E-32	0.444374	5.06E-24	0.499641	7.36E-31	0.421036
0.148556	0.00128	0.186647	4.94E-05	0.428893	2.55E-22	0.538278	1.94E-36	0.320425
0.321439	1.10E-12	0.33366	1.32E-13	0.590361	3.36E-45	0.634466	5.69E-54	0.424988
0.359102	1.16E-15	0.435803	4.54E-23	0.630762	3.52E-53	0.610656	4.58E-49	0.574445
0.307069	1.18E-11	0.432666	9.98E-23	0.495118	2.98E-30	0.60588	3.94E-48	0.488438
0.168505	0.00025	0.313494	4.15E-12	0.404023	9.17E-20	0.446831	2.67E-24	0.439595
0.351155	5.34E-15	0.307446	1.11E-11	0.602981	1.43E-47	0.513336	9.35E-33	0.56896
0.048369	0.29691	0.063179	0.17288	0.12551	0.00661	0.153284	0.00089	0.182947
-0.00102	0.98246	-0.09248	0.04578	0.037418	0.41983	0.041414	0.37188	0.031208
0.214009	3.06E-06	0.236594	2.31E-07	0.56009	6.41E-40	0.504396	1.65E-31	0.56207
0.422927	1.09E-21	0.431157	1.45E-22	0.69855	1.36E-69	0.647826	6.43E-57	0.627331
0.371837	9.26E-17	0.404618	8.01E-20	0.555105	4.22E-39	0.562071	3.01E-40	0.525867



0.337117	7.11E-14	0.413493	1.03E-20	0.524069	2.65E-34	0.540577	8.59E-37	0.542034
0.079451	0.08633	-0.05719	0.21736	0.082385	0.0753	0.173577	0.00016	0.083011
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-0.01178	0.79955	0.029859	0.51979	0.118736	0.01023	0.162992	0.00041	0.129623
0.289829	1.73E-10	0.309722	7.69E-12	0.531189	2.33E-35	0.464712	2.15E-26	0.520135
0.036327	0.43351	0.128335	0.00548	0.067679	0.14421	0.079997	0.08419	0.128093
0.50723	6.71E-32	0.567212	4.11E-41	0.7649	7.29E-91	0.767391	8.47E-92	0.65766
0.121713	0.00846	0.103609	0.02515	0.1698	0.00023	0.254715	2.38E-08	0.181951
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0.362664	5.80E-16	0.378163	2.52E-17	0.750887	8.16E-86	0.668062	1.13E-61	0.682855
0.183871	6.42E-05	0.195995	1.99E-05	0.566603	5.21E-41	0.560498	5.49E-40	0.517622
0.283692	4.29E-10	0.232821	3.62E-07	0.506922	7.40E-32	0.551742	1.48E-38	0.348058
0.192696	2.76E-05	0.301738	2.76E-11	0.23545	2.65E-07	0.306949	1.20E-11	0.239876
-0.00981	0.83258	0.042826	0.35578	0.034623	0.45541	0.215162	2.70E-06	0.082737
0.335971	8.73E-14	0.264276	6.66E-09	0.523255	3.49E-34	0.521293	6.75E-34	0.46916
0.159703	0.00053	0.438638	2.21E-23	0.378336	2.43E-17	0.583822	5.18E-44	0.347994
0.338946	5.11E-14	0.201417	1.15E-05	0.448404	1.76E-24	0.339627	4.52E-14	0.400353
0.233893	3.19E-07	0.473374	1.87E-27	0.454677	3.33E-25	0.596156	2.82E-46	0.388934
0.125917	0.00644	0.112615	0.0149	0.231566	4.20E-07	0.182166	7.52E-05	0.298641
0.273941	1.75E-09	0.279829	7.54E-10	0.560093	6.41E-40	0.616557	3.05E-50	0.418591
0.191094	3.23E-05	0.094652	0.0409	0.107565	0.02007	0.050466	0.27644	0.249581
0.472478	2.41E-27	0.44873	1.62E-24	0.81603	#####	0.681191	5.76E-65	0.696919
0.371175	1.06E-16	0.383682	7.93E-18	0.571098	8.91E-42	0.567821	3.24E-41	0.530099
0.182086	7.57E-05	0.371079	1.08E-16	0.401151	1.75E-19	0.570554	1.10E-41	0.344984
0.330294	2.39E-13	0.323314	7.99E-13	0.366813	2.55E-16	0.362089	6.50E-16	0.406729
0.095455	0.03921	0.205337	7.70E-06	0.191395	3.13E-05	0.289206	1.89E-10	0.306314
0.17944	9.66E-05	0.06266	0.17644	0.432338	1.08E-22	0.326237	4.83E-13	0.344941
0.168643	0.00025	0.189027	3.94E-05	0.260393	1.12E-08	0.182441	7.33E-05	0.280546
0.417669	3.85E-21	0.106092	0.02185	0.198058	1.62E-05	0.160059	0.00052	0.218844
0.200822	1.23E-05	0.16631	0.00031	0.470899	3.78E-27	0.343717	2.14E-14	0.461086
0.083206	0.07243	0.231029	4.47E-07	0.340927	3.57E-14	0.392062	1.31E-18	0.278253
0.326107	4.94E-13	0.298359	4.68E-11	0.52319	3.57E-34	0.45386	4.14E-25	0.483709
0.293661	9.65E-11	0.456018	2.32E-25	0.388709	2.71E-18	0.443449	6.43E-24	0.425786
0.350079	6.55E-15	0.389111	2.49E-18	0.622664	1.74E-51	0.604898	6.11E-48	0.575387
0.332581	1.60E-13	0.52859	5.69E-35	0.363779	4.66E-16	0.464449	2.31E-26	0.417187
0.436886	3.45E-23	0.394483	7.72E-19	0.736283	6.71E-81	0.599115	7.82E-47	0.63652
0.449228	1.42E-24	0.536084	4.22E-36	0.445435	3.84E-24	0.547458	7.15E-38	0.434668
0.291762	1.29E-10	0.31573	2.87E-12	0.464789	2.10E-26	0.497199	1.57E-30	0.44557
0.217266	2.14E-06	0.243203	1.03E-07	0.476521	7.57E-28	0.392219	1.27E-18	0.462585
0.269184	3.40E-09	0.349477	7.33E-15	0.159939	0.00052	0.264144	6.79E-09	0.186019
0.307293	1.14E-11	0.314961	3.26E-12	0.426227	4.90E-22	0.473549	1.78E-27	0.381464
0.25661	1.86E-08	0.34431	1.92E-14	0.386552	4.31E-18	0.523191	3.57E-34	0.284894
0.276608	1.20E-09	0.137489	0.00291	0.155122	0.00077	0.190285	3.49E-05	0.171317
0.11836	0.01047	0.043402	0.34934	0.205327	7.71E-06	0.295654	7.11E-11	0.168106
0.177413	0.00012	0.087204	0.0597	0.239287	1.66E-07	0.344648	1.80E-14	0.166705

0.354274	2.95E-15	0.417697	3.83E-21	0.59797	1.29E-46	0.636915	1.68E-54	0.533114
0.20409	8.77E-06	0.21923	1.73E-06	0.308286	9.70E-12	0.305765	1.46E-11	0.351924
0.186945	4.80E-05	0.283014	4.74E-10	0.426472	4.62E-22	0.455686	2.54E-25	0.418524
-0.11123	0.01618	-0.18916	3.89E-05	-0.13278	0.00405	-0.01181	0.799	-0.07733
0.232235	3.88E-07	0.248975	4.98E-08	0.553344	8.15E-39	0.54964	3.21E-38	0.457385
0.026624	0.56603	0.024293	0.60052	0.115224	0.01272	0.149485	0.0012	0.12308
0.377304	3.02E-17	0.383135	8.90E-18	0.673144	6.28E-63	0.483219	1.07E-28	0.638634
0.516112	3.77E-33	0.592639	1.28E-45	0.722131	1.93E-76	0.681503	4.79E-65	0.711029
0.206527	6.80E-06	0.052207	0.26019	0.47655	7.51E-28	0.342846	2.51E-14	0.433601
0.265182	5.89E-09	0.407443	4.20E-20	0.311087	6.16E-12	0.453099	5.08E-25	0.270155
0.277132	1.11E-09	0.311724	5.55E-12	0.599644	6.20E-47	0.482359	1.38E-28	0.579864
0.191306	3.16E-05	0.23509	2.76E-07	0.504816	1.45E-31	0.557961	1.44E-39	0.421221
0.319849	1.44E-12	0.529958	3.56E-35	0.484227	7.95E-29	0.595721	3.41E-46	0.460961
-0.16389	0.00038	-0.2396	1.60E-07	-0.18088	8.46E-05	-0.29022	1.63E-10	-0.32589
-0.09755	0.03509	-0.10181	0.02781	-0.03128	0.50005	-0.01579	0.73366	0.06069
0.420632	1.90E-21	0.563557	1.70E-40	0.511753	1.56E-32	0.54304	3.55E-37	0.5104
0.090457	0.05075	0.129402	0.0051	0.379712	1.83E-17	0.34508	1.66E-14	0.338186
0.251915	3.42E-08	0.3593	1.12E-15	0.612139	2.33E-49	0.602191	2.03E-47	0.4931
0.253991	2.61E-08	0.339109	4.96E-14	0.486223	4.39E-29	0.587328	1.20E-44	0.383694
0.292113	1.22E-10	0.34772	1.02E-14	0.447169	2.44E-24	0.607548	1.87E-48	0.316374
0.19654	1.89E-05	0.135933	0.00325	0.461435	5.30E-26	0.418371	3.26E-21	0.365945
0.304434	1.80E-11	0.333914	1.26E-13	0.491774	8.27E-30	0.527096	9.49E-35	0.435504
0.148326	0.00131	0.122143	0.00823	0.528385	6.11E-35	0.517505	2.38E-33	0.443934
0.357957	1.45E-15	0.281366	6.03E-10	0.661151	5.22E-60	0.534749	6.74E-36	0.588437
0.484589	7.14E-29	0.419632	2.41E-21	0.642897	8.18E-56	0.592334	1.45E-45	0.519578
0.088408	0.05625	0.051308	0.2685	0.183683	6.53E-05	0.324189	6.88E-13	0.177368
0.287398	2.48E-10	0.239254	1.67E-07	0.603038	1.40E-47	0.561164	4.26E-40	0.533944
0.214418	2.93E-06	0.442581	8.05E-24	0.542244	4.73E-37	0.647273	8.57E-57	0.468574
0.087014	0.06026	0.105397	0.02273	0.225278	8.72E-07	0.358955	1.20E-15	0.192293
0.348044	9.59E-15	0.373191	7.03E-17	0.60332	1.23E-47	0.494631	3.46E-30	0.552611
0.51673	3.07E-33	0.549307	3.63E-38	0.615194	5.73E-50	0.57545	1.57E-42	0.554711
0.304157	1.88E-11	0.18232	7.41E-05	0.605927	3.86E-48	0.51502	5.39E-33	0.442983
0.14351	0.00188	0.145095	0.00167	0.338354	5.69E-14	0.314689	3.41E-12	0.352046
0.291248	1.39E-10	0.454403	3.58E-25	0.289923	1.70E-10	0.526319	1.24E-34	0.18312
0.363283	5.14E-16	0.4508	9.36E-25	0.510374	2.44E-32	0.491255	9.68E-30	0.451355
0.093848	0.04265	0.172656	0.00018	0.29801	4.94E-11	0.299619	3.85E-11	0.2605
0.118052	0.01067	0.238287	1.88E-07	0.202159	1.07E-05	0.407486	4.16E-20	0.175006
0.191224	3.19E-05	0.197526	1.71E-05	0.232005	3.99E-07	0.254435	2.47E-08	0.460217
0.381294	1.31E-17	0.293031	1.06E-10	0.675257	1.86E-63	0.554729	4.86E-39	0.56964
0.23923	1.68E-07	0.195935	2.01E-05	0.317284	2.21E-12	0.295937	6.81E-11	0.354866
0.09673	0.03665	0.15798	0.00061	0.136337	0.00316	0.24131	1.30E-07	0.140065
0.288507	2.10E-10	0.247556	5.96E-08	0.492186	7.30E-30	0.49689	1.73E-30	0.328451
0.30922	8.34E-12	0.369112	1.61E-16	0.515665	4.36E-33	0.452874	5.39E-25	0.493008
0.411949	1.48E-20	0.483582	9.62E-29	0.784354	1.73E-98	0.69776	2.25E-69	0.662639
0.064731	0.16255	0.067748	0.1438	0.202312	1.05E-05	0.187252	4.67E-05	0.240443

0.413121	1.13E-20	0.57399	2.82E-42	0.469662	5.36E-27	0.581795	1.19E-43	0.465865
0.234115	3.10E-07	0.279707	7.67E-10	0.44489	4.42E-24	0.468521	7.40E-27	0.428379
0.204989	7.99E-06	0.091868	0.04724	0.331437	1.95E-13	0.302792	2.33E-11	0.249354
0.240384	1.46E-07	0.205262	7.76E-06	0.395638	5.98E-19	0.324515	6.50E-13	0.350926
0.263712	7.19E-09	0.283238	4.59E-10	0.658177	2.64E-59	0.510766	2.15E-32	0.561167
0.276954	1.14E-09	0.24212	1.18E-07	0.529341	4.40E-35	0.429465	2.21E-22	0.449296
0.176924	0.00012	-0.00121	0.97927	0.209183	5.14E-06	0.231448	4.26E-07	0.140677
0.313886	3.89E-12	0.309443	8.05E-12	0.363952	4.50E-16	0.360215	9.38E-16	0.362726
0.274556	1.60E-09	0.246643	6.69E-08	0.331186	2.04E-13	0.304061	1.91E-11	0.348706
0.131759	0.00434	0.181882	7.72E-05	0.285822	3.14E-10	0.33453	1.13E-13	0.309084
0.311467	5.79E-12	0.245052	8.17E-08	0.415852	5.93E-21	0.415788	6.02E-21	0.39488
0.156511	0.00069	0.227748	6.56E-07	0.50291	2.64E-31	0.513318	9.40E-33	0.454997
0.204276	8.60E-06	0.183209	6.82E-05	0.412876	1.19E-20	0.407123	4.52E-20	0.37818
0.123238	0.00767	0.155888	0.00072	0.26728	4.42E-09	0.302408	2.48E-11	0.27919
0.00761	0.86972	0.091791	0.04742	0.109942	0.01747	0.245449	7.77E-08	0.137839
0.250953	3.87E-08	0.158027	0.00061	0.276793	1.17E-09	0.37416	5.77E-17	0.258113
0.199089	1.46E-05	0.178086	0.00011	0.157286	0.00065	0.137482	0.00291	0.210035
0.290066	1.66E-10	0.182783	7.10E-05	0.385961	4.89E-18	0.364084	4.38E-16	0.316243
0.474155	1.49E-27	0.541717	5.71E-37	0.726394	9.39E-78	0.72712	5.58E-78	0.670378
0.142915	0.00196	0.093645	0.0431	0.378542	2.33E-17	0.209928	4.75E-06	0.383251
0.438673	2.19E-23	0.366389	2.77E-16	0.663526	1.41E-60	0.461027	5.93E-26	0.616691
0.480012	2.75E-28	0.452256	6.36E-25	0.751663	4.37E-86	0.624434	7.48E-52	0.642787
0.292909	1.08E-10	0.302964	2.27E-11	0.503465	2.22E-31	0.398852	2.93E-19	0.464036
0.332087	1.74E-13	0.384505	6.66E-18	0.341244	3.37E-14	0.364185	4.30E-16	0.34842
0.228439	6.05E-07	0.332642	1.58E-13	0.408949	2.97E-20	0.418039	3.53E-21	0.38514
0.328414	3.31E-13	0.268164	3.92E-09	0.431567	1.31E-22	0.381423	1.28E-17	0.422594
0.284244	3.96E-10	0.171815	0.00019	0.577634	6.51E-43	0.42374	8.98E-22	0.501877
0.107887	0.0197	0.21821	1.93E-06	0.13972	0.00248	0.251123	3.78E-08	0.169304
0.392022	1.32E-18	0.359753	1.03E-15	0.606929	2.47E-48	0.575287	1.68E-42	0.52007
0.290513	1.56E-10	0.216559	2.32E-06	0.542948	3.67E-37	0.347522	1.06E-14	0.49199
0.251184	3.75E-08	0.352996	3.77E-15	0.424153	8.12E-22	0.360803	8.36E-16	0.385334
0.124742	0.00695	0.264116	6.81E-09	0.248865	5.05E-08	0.301603	2.82E-11	0.308014
0.148332	0.00131	0.260645	1.09E-08	0.120991	0.00886	0.306129	1.37E-11	0.14696
0.220462	1.50E-06	0.153163	0.0009	0.496498	1.95E-30	0.446563	2.86E-24	0.422437
0.250323	4.19E-08	0.23493	2.82E-07	0.261712	9.42E-09	0.272189	2.24E-09	0.266908
0.166708	0.0003	0.129465	0.00508	0.298429	4.63E-11	0.376192	3.80E-17	0.252707
0.264374	6.58E-09	0.277529	1.05E-09	0.455593	2.60E-25	0.418598	3.09E-21	0.439765
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0.284123	4.03E-10	0.287204	2.56E-10	0.461061	5.88E-26	0.509265	3.49E-32	0.355885
0.218278	1.92E-06	0.367122	2.40E-16	0.389613	2.23E-18	0.398648	3.07E-19	0.348957
0.522849	4.00E-34	0.517889	2.10E-33	0.770858	4.05E-93	0.636096	2.53E-54	0.671057
0.292874	1.09E-10	0.273212	1.94E-09	0.325479	5.51E-13	0.244213	9.07E-08	0.317854
0.413895	9.40E-21	0.554992	4.40E-39	0.704243	3.49E-71	0.761413	1.42E-89	0.631562
0.308447	9.45E-12	0.133658	0.00381	0.468485	7.47E-27	0.413649	9.96E-21	0.44169
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0.134343	0.00363	0.003639	0.93748	0.034597	0.45575	0.064787	0.16218	0.024297
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0.128419	0.00545	0.297693	5.19E-11	0.056725	0.22113	0.085216	0.06578	0.000854
0.131054	0.00456	0.071392	0.12341	0.058669	0.20568	0.001437	0.97529	0.098134
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0.030207	0.51493	-0.02768	0.55079	0.037273	0.42163	-0.08563	0.06448	0.091817
0.043936	0.34345	0.067446	0.14559	0.099847	0.03098	0.073695	0.11173	0.115108
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0.032021	0.49001	0.018194	0.69494	0.089984	0.05198	0.070866	0.1262	0.036981
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0.023806	0.60785	0.066519	0.15122	0.029776	0.52095	0.079968	0.0843	0.015243
0.042196	0.36291	-0.19555	2.08E-05	-0.07357	0.11233	-0.18206	7.59E-05	-0.05763
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0.061984	0.18117	0.054	0.24415	-0.07204	0.12001	-0.06009	0.19492	0.083533
0.261266	1.00E-08	0.448593	1.68E-24	0.268798	3.59E-09	0.488054	2.54E-29	0.158646
0.148057	0.00133	0.137207	0.00297	0.128241	0.00551	0.077835	0.09294	0.187419
0.126333	0.00626	0.090947	0.04951	0.172163	0.00019	0.130511	0.00473	0.015541
0.091702	0.04764	-0.18914	3.90E-05	-0.00235	0.95955	-0.06637	0.15216	0.033819
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0.019874	0.66838	-0.13311	0.00396	-0.07172	0.12169	-0.04046	0.38306	0.047683
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0.049537	0.28539	0.146046	0.00155	-0.01845	0.69087	0.000281	0.99516	0.021703
0.100673	0.02961	0.02825	0.54255	0.162198	0.00043	0.078936	0.0884	0.087395
0.094262	0.04174	0.015848	0.73266	0.225934	8.08E-07	0.074729	0.10678	0.230584
0.200837	1.22E-05	0.01841	0.6915	0.236853	2.24E-07	0.136464	0.00313	0.184841
0.081199	0.07962	0.060127	0.19462	0.180043	9.14E-05	0.118239	0.01055	0.243834
0.054296	0.24157	0.163674	0.00038	0.06533	0.15869	0.095894	0.03831	0.184692
-0.15864	0.00058	-0.05465	0.23853	-0.314	3.82E-12	-0.18493	5.81E-05	-0.1658
0.012323	0.79054	0.024082	0.60369	-0.01338	0.77307	-0.0437	0.34609	0.069466
0.0656	0.15696	-0.01462	0.75272	0.030765	0.50719	-0.03087	0.50576	0.074595
0.014025	0.76243	0.199852	1.35E-05	-0.03701	0.42498	0.077001	0.09651	-0.02043
0.066372	0.15213	0.096486	0.03713	0.082813	0.0738	0.066746	0.14983	0.032014
0.065002	0.16079	-0.01137	0.80635	0.039624	0.39293	0.036818	0.42732	0.018755
0.125489	0.00662	0.11441	0.01336	0.040691	0.3803	0.030707	0.50799	0.117053

0.111582	0.01585	0.145559	0.00161	0.144194	0.00178	0.117311	0.01118	0.066833
0.014301	0.75791	0.014858	0.74878	0.031303	0.49979	-0.02235	0.62999	0.079707
0.066186	0.15328	-0.05776	0.21284	0.134159	0.00368	0.040762	0.37947	0.149357
0.009443	0.83873	0.236424	2.35E-07	-0.02853	0.53853	0.084875	0.06687	0.048263
0.003301	0.94329	-0.02108	0.64958	0.004407	0.92433	-0.03838	0.40799	0.045499
0.031773	0.49337	0.165768	0.00032	0.040429	0.38338	0.09349	0.04345	0.092396
0.090681	0.05018	0.13746	0.00291	0.030031	0.51739	0.092716	0.04522	0.079854
0.038654	0.40462	0.007483	0.87188	0.024273	0.60083	0.026969	0.56101	0.004148
-0.04107	0.37582	0.008438	0.85569	-0.00805	0.86232	0.023718	0.60918	-0.02091
-0.01795	0.69883	-0.06072	0.19025	-0.0645	0.16403	-0.08357	0.07118	-0.03267
-0.04137	0.37237	-0.03726	0.42183	-0.07183	0.12114	-0.05066	0.27456	-0.02369
0.087369	0.05921	0.114127	0.0136	0.081622	0.07806	0.070563	0.12783	0.142566
-0.13641	0.00314	-0.19974	1.37E-05	-0.12278	0.0079	-0.19585	2.02E-05	-0.11602
-0.1082	0.01934	-0.1675	0.00028	-0.08762	0.05847	-0.11211	0.01535	-0.036
-0.00105	0.98199	0.076072	0.10061	-0.00478	0.91787	0.0092	0.84283	-0.00802
0.036895	0.42636	0.118604	0.01031	-0.05531	0.23285	-0.00075	0.98718	0.024476
0.02989	0.51936	0.121186	0.00875	0.033251	0.47348	0.036756	0.4281	0.090353
-0.03652	0.43108	-0.03438	0.45862	-0.13009	0.00487	-0.08202	0.07662	-0.08955
-0.09328	0.04393	-0.09937	0.0318	-0.02219	0.6325	-0.0572	0.21731	0.010518
-0.06542	0.15813	0.045646	0.32497	-0.02884	0.53415	0.018877	0.68409	0.026198
0.066439	0.15172	-0.07221	0.11916	0.067358	0.14612	-0.01293	0.78043	0.0561
0.086438	0.06198	0.026865	0.56252	0.013406	0.77263	-0.02953	0.52447	0.087081
0.102869	0.02622	0.100291	0.03024	0.104602	0.02378	0.101206	0.02875	0.054031
0.057426	0.21546	0.018992	0.68228	0.119666	0.00964	0.141262	0.00221	0.080412
0.021841	0.6378	0.171747	0.00019	0.027225	0.55729	0.057516	0.21474	0.140227
0.165914	0.00032	-0.00074	0.98721	0.193361	2.59E-05	0.104831	0.02348	0.062749
-0.0528	0.25481	-0.00591	0.89858	-0.02171	0.63976	-0.00108	0.98141	0.000666
0.264091	6.83E-09	0.159026	0.00056	0.326674	4.48E-13	0.227903	6.44E-07	0.230831
-0.07333	0.11351	-0.11527	0.01268	-0.10501	0.02324	-0.10956	0.01787	-0.07319
0.133241	0.00392	0.087999	0.0574	0.082066	0.07644	0.102496	0.02677	0.112871
0.00023	0.99604	0.038426	0.40741	0.048397	0.29663	0.032692	0.48095	0.090702
-0.06815	0.1414	-0.08037	0.08275	-0.09526	0.03961	-0.11109	0.01632	-0.10038
-0.07421	0.10925	-0.18905	3.93E-05	-0.16614	0.00031	-0.16811	0.00026	-0.16059
0.0933	0.04388	0.132099	0.00424	0.0575	0.21487	0.140873	0.00228	0.079712
0.008217	0.85944	0.005174	0.91121	0.028012	0.54595	0.016487	0.72232	0.044418
-0.07138	0.12347	-0.0246	0.59593	-0.07464	0.10721	-0.05707	0.21834	-0.05455
-0.08921	0.05403	-0.01316	0.77673	-0.04269	0.35737	-0.02827	0.54228	-0.01706
0.030174	0.51539	0.023643	0.61032	0.028003	0.54608	0.012203	0.79253	0.009313
0.079692	0.08538	0.026945	0.56135	-0.00399	0.93146	0.035587	0.44295	0.044509
0.056424	0.22359	0.073838	0.11104	0.035724	0.44119	0.054369	0.24094	0.022122
0.056053	0.22665	0.085976	0.0634	0.035981	0.43791	0.039782	0.39104	0.0324
0.136249	0.00318	0.132475	0.00413	0.07466	0.1071	0.040599	0.38138	0.068254
-0.0498	0.2828	0.121398	0.00864	0.083092	0.07283	0.209297	5.08E-06	0.095979
0.100117	0.03053	0.168906	0.00025	0.04028	0.38513	0.049907	0.2818	0.086253
0.033801	0.46619	0.13664	0.00309	-0.01975	0.6703	0.035301	0.44662	0.073567

0.002592	0.95545	0.250662	4.01E-08	0.003119	0.94641	0.108726	0.01876	0.119842
0.179866	9.29E-05	0.222288	1.22E-06	0.263006	7.91E-09	0.257876	1.57E-08	0.237459
-0.0983	0.0337	-0.16464	0.00035	-0.0857	0.06425	-0.09603	0.03803	-0.06966
0.123345	0.00762	-0.30412	1.89E-11	-0.05364	0.24732	-0.27348	1.87E-09	-0.08659
0.070594	0.12767	-0.06193	0.18158	-0.0055	0.90562	-0.07997	0.08427	0.026853
0.002462	0.95768	0.013127	0.77723	-0.05725	0.21686	-0.03922	0.39781	-0.10214
0.090587	0.05042	0.021982	0.63563	-0.16419	0.00037	-0.08004	0.08401	-0.18158
0.015569	0.7372	0.109015	0.01845	0.079858	0.08473	0.040124	0.38698	0.113105
-0.10768	0.01994	-0.09004	0.05185	-0.10922	0.01823	-0.05995	0.19595	-0.02514
-0.17307	0.00017	-0.27476	1.56E-09	-0.1473	0.00141	-0.3119	5.39E-12	-0.13208
-0.0094	0.8395	-0.02333	0.61508	-0.11204	0.01542	-0.12965	0.00501	-0.08032
0.023428	0.61357	-0.07082	0.12644	-0.0259	0.57671	-0.0618	0.18246	-0.0729
-0.2017	1.12E-05	-0.25456	2.42E-08	-0.33419	1.20E-13	-0.29311	1.05E-10	-0.27118
-0.16522	0.00034	0.075268	0.10427	-0.21349	3.24E-06	0.077734	0.09337	-0.23191
-0.08073	0.08139	-0.29467	8.27E-11	-0.2137	3.17E-06	-0.20839	5.59E-06	-0.15615
-0.00385	0.9339	-0.00491	0.91579	0.096109	0.03788	0.036438	0.43211	0.007205
-0.14629	0.00152	-0.09857	0.03321	-0.12597	0.00642	-0.0767	0.09781	-0.06723
-0.09372	0.04294	-0.20936	5.04E-06	-0.02638	0.56962	-0.15702	0.00066	0.015157
0.093461	0.04352	0.062384	0.17836	0.080023	0.08409	0.078352	0.09079	0.000149
0.056345	0.22424	-0.16318	0.0004	0.032037	0.48978	-0.20001	1.33E-05	0.057888
0.169625	0.00023	0.160438	0.0005	0.14389	0.00182	0.169906	0.00023	0.046783
0.208973	5.26E-06	0.18815	4.28E-05	0.047855	0.30208	0.064315	0.16527	0.020663
0.086843	0.06076	0.261024	1.03E-08	0.211814	3.88E-06	0.240986	1.35E-07	0.116687
0.073229	0.11402	-0.09432	0.04161	-0.00496	0.91495	-0.0863	0.0624	0.030641
0.363513	4.91E-16	0.095309	0.03951	0.103538	0.02525	0.109479	0.01795	0.074408
0.104441	0.024	0.027726	0.55007	0.179816	9.33E-05	0.015811	0.73327	0.171017
-0.1548	0.00079	-0.15342	0.00088	-0.06976	0.13223	-0.08061	0.08185	0.012933
0.128498	0.00542	0.056768	0.22077	-0.04248	0.35974	-0.05268	0.25591	0.021598
-0.10422	0.0243	0.00359	0.93832	-0.03661	0.42998	0.018534	0.68954	0.10317
-0.07982	0.08489	0.119483	0.00975	-0.0881	0.05711	-0.11086	0.01655	-0.0245
0.000102	0.99824	-0.00738	0.87365	0.170118	0.00022	0.184968	5.79E-05	0.071409
0.078062	0.09199	0.059816	0.19694	0.087997	0.0574	0.019166	0.67952	0.162893
-0.00017	0.99708	-0.11235	0.01514	-0.13781	0.00284	-0.14942	0.0012	-0.07422
-0.05666	0.22164	-0.25094	3.88E-08	-0.25876	1.40E-08	-0.29216	1.21E-10	-0.19694
-0.02731	0.5561	-0.11373	0.01393	0.002218	0.96187	-0.0764	0.09914	-0.05477
0.018428	0.69122	-0.12061	0.00908	0.006585	0.88715	-0.12793	0.00563	-0.0854
0.105516	0.02258	0.17195	0.00019	0.014337	0.75732	-0.05374	0.24647	0.146577
0.030642	0.5089	0.060227	0.19388	-0.03321	0.47401	0.018143	0.69576	0.034448
-0.21883	1.80E-06	-0.35913	1.16E-15	-0.0419	0.36629	-0.24964	4.57E-08	-0.0722
-0.06456	0.16368	-0.00303	0.94791	-0.10055	0.02982	-0.07225	0.11895	-0.2176
0.148683	0.00127	0.308911	8.77E-12	-0.05688	0.21985	0.049311	0.2876	0.015798
-0.02368	0.60982	-0.02058	0.65732	-0.05802	0.21076	-0.05113	0.27017	-0.07191
0.257018	1.76E-08	0.202999	9.81E-06	0.214798	2.81E-06	0.112218	0.01526	0.237141
0.213633	3.19E-06	0.407795	3.87E-20	0.247623	5.91E-08	0.36534	3.42E-16	0.244448
0.02576	0.57871	0.124732	0.00696	0.079791	0.08499	0.150391	0.00111	0.040188

-0.06319	0.17283	0.018924	0.68335	-0.05873	0.20519	-0.01801	0.69792	-0.09253
0.16624	0.00031	0.271411	2.49E-09	0.317389	2.17E-12	0.303122	2.22E-11	0.259377
0.1921	2.93E-05	-0.1811	8.29E-05	-0.22404	1.00E-06	-0.26595	5.30E-09	-0.15457
0.154686	0.0008	0.144264	0.00177	0.218809	1.81E-06	0.087329	0.05933	0.193914
-0.02512	0.58814	-0.14885	0.00126	-0.23008	5.00E-07	-0.10188	0.0277	-0.18238
-0.1415	0.00218	-0.10266	0.02652	-0.13606	0.00322	-0.17348	0.00016	-0.077
0.126145	0.00634	0.05076	0.27365	0.015856	0.73253	-0.1046	0.02379	0.188274
-0.00653	0.88813	-0.00021	0.99638	0.058379	0.20793	0.00367	0.93696	0.056123
-0.00125	0.97859	-0.10163	0.02809	-0.03123	0.50079	-0.07859	0.08981	0.05915
0.006272	0.89248	0.029558	0.52401	0.079913	0.08452	0.023318	0.61523	0.136382
-0.00928	0.8415	-0.14519	0.00166	-0.00502	0.91385	-0.11417	0.01356	-0.07721
-0.11843	0.01042	-0.06794	0.14264	0.13846	0.00271	0.030808	0.5066	0.134744
-0.12706	0.00597	-0.09659	0.03693	-0.0801	0.08381	-0.01182	0.79895	-0.0308
0.1455	0.00162	-0.02511	0.58828	-0.01791	0.69953	-0.10238	0.02695	-0.02772
0.274254	1.67E-09	0.065468	0.1578	-0.01461	0.75285	0.102066	0.02742	0.020979
0.046357	0.31748	0.063115	0.17331	-0.1183	0.01051	-0.09001	0.05191	-0.09947
0.03366	0.46804	-0.03206	0.48948	-0.01061	0.81915	-0.01818	0.69521	0.019782
-0.1113	0.01612	-0.06849	0.13946	-0.01326	0.77512	0.037673	0.41666	0.004591
0.395389	6.32E-19	0.423809	8.83E-22	0.267906	4.06E-09	0.269099	3.44E-09	0.232261
0.057285	0.21659	0.108649	0.01884	0.080216	0.08334	0.061727	0.18298	0.131774
-0.07184	0.12108	-0.05538	0.23231	-0.07227	0.11884	-0.0461	0.32018	-0.04634
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0.131316	0.00448	0.071921	0.12065	0.098007	0.03423	0.048373	0.29687	0.060893
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0.094904	0.04036	0.021198	0.64772	-0.04858	0.29478	-0.12746	0.00581	-0.04216
0.02521	0.58685	-0.13051	0.00473	0.110749	0.01665	0.025251	0.58624	0.028527
-0.03165	0.49503	-0.00259	0.95542	0.069817	0.13193	0.005889	0.899	0.138522
0.024436	0.59838	0.123883	0.00736	-0.04442	0.33811	-0.03189	0.49177	0.074642
-0.02778	0.54934	-0.10853	0.01897	0.020242	0.66262	-0.05777	0.2127	0.102305
-0.02399	0.60507	-0.03788	0.41412	-0.0525	0.25751	-0.06863	0.13862	0.009485
0.04602	0.32102	-0.05257	0.25685	0.079849	0.08477	-0.01088	0.81454	-0.11607
0.017464	0.7066	0.203312	9.50E-06	0.068579	0.13893	0.192326	2.86E-05	0.072072
0.052203	0.26022	0.051695	0.2649	0.038869	0.40202	0.01622	0.72663	-0.01182
0.099695	0.03124	0.058536	0.20671	0.255593	2.12E-08	0.149496	0.00119	0.180362
-0.03333	0.47238	0.033446	0.47089	0.0749	0.10598	0.106037	0.02192	0.070454
0.286172	2.98E-10	0.231068	4.45E-07	0.167608	0.00027	0.22265	1.18E-06	0.141191
0.378092	2.56E-17	0.149336	0.00121	0.26418	6.75E-09	0.269836	3.11E-09	0.120653
0.051027	0.27113	0.062883	0.17491	0.054831	0.23696	-0.00079	0.98647	0.068244
0.149436	0.0012	-0.18394	6.37E-05	0.101812	0.02781	-0.13713	0.00298	0.065741
-0.11225	0.01523	0.05141	0.26754	0.194094	2.41E-05	0.193454	2.56E-05	0.144792
0.025381	0.58431	-0.11225	0.01523	-0.04954	0.28532	-0.04715	0.30923	-0.06667
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-0.10245	0.02684	-0.29324	1.03E-10	-0.0364	0.43264	-0.12139	0.00864	-0.0263
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0.193058	2.66E-05	0.220417	1.51E-06	0.06943	0.13408	0.027982	0.54638	0.226509
0.031863	0.49215	0.022399	0.62923	-0.108	0.01957	-0.11649	0.01176	-0.12082
0.184046	6.31E-05	0.293995	9.17E-11	0.178128	0.00011	0.238064	1.93E-07	0.211046
0.089936	0.05211	-0.0544	0.24064	0.177648	0.00011	0.050998	0.2714	0.105242
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0.00015	0.99743	0.014822	0.74938	0.057455	0.21523	0.031787	0.49319	0.014011
-0.05896	0.20344	0.01004	0.82868	-0.00368	0.9368	0.00743	0.87278	-0.01885
0.057845	0.21213	0.069288	0.13489	0.059182	0.20174	0.047319	0.30754	0.169084
0.024555	0.59661	-0.03038	0.51258	0.006751	0.88432	0.089014	0.05457	-0.0832
0.009936	0.83044	-0.00787	0.86529	0.121377	0.00865	0.056733	0.22106	0.076438
0.033813	0.46603	-0.02615	0.57303	0.205748	7.38E-06	0.15266	0.00093	0.184779
0.230571	4.72E-07	0.227115	7.06E-07	0.247973	5.65E-08	0.187004	4.78E-05	0.279614
0.086543	0.06166	0.304894	1.67E-11	-0.08399	0.06977	0.025383	0.58428	0.063784
0.170307	0.00022	0.237105	2.17E-07	0.256923	1.78E-08	0.345933	1.42E-14	0.028297
-0.01093	0.8137	0.212688	3.53E-06	0.07909	0.08778	0.013023	0.77895	0.184377
0.052506	0.25747	0.052248	0.25981	0.066858	0.14915	0.018905	0.68366	0.047821
0.086442	0.06197	0.065451	0.15791	0.069375	0.13439	-0.01371	0.76755	0.142274
0.013271	0.77485	0.062554	0.17718	0.080228	0.08329	0.036368	0.433	0.096023
-0.00892	0.84757	0.040062	0.38772	0.070138	0.13015	0.027811	0.54883	0.06725
-0.0461	0.3202	0.035121	0.44894	0.108094	0.01946	-0.01431	0.75779	0.151476
0.03004	0.51726	0.085187	0.06587	0.017307	0.70912	0.016409	0.72359	-0.07228
-0.04776	0.30309	-0.02252	0.62734	-0.20522	7.80E-06	-0.13183	0.00432	-0.15283
-0.03332	0.47252	-0.19354	2.54E-05	-0.04423	0.34021	-0.23655	2.32E-07	0.043321
0.057314	0.21636	0.077103	0.09607	0.011549	0.80343	0.021866	0.63741	0.016558
-0.07477	0.10657	-0.129	0.00524	-0.05327	0.25064	-0.16236	0.00043	-0.05945
0.11155	0.01588	0.226564	7.52E-07	0.086638	0.06138	0.156526	0.00069	0.132788
0.10743	0.02023	-0.02814	0.54414	0.087549	0.05869	0.058202	0.20932	0.095196
-0.03009	0.51651	-0.00844	0.8557	-0.04337	0.34968	0.003841	0.93403	-0.07133
-0.01574	0.7344	0.143011	0.00195	-0.0343	0.45968	0.159829	0.00053	-0.00092
0.166788	0.00029	0.185578	5.47E-05	0.038056	0.41194	0.006859	0.88247	0.121746
-0.03044	0.51175	-0.04779	0.3027	-0.14685	0.00146	-0.10819	0.01936	-0.06656
-0.05574	0.22927	-0.10418	0.02436	-0.0666	0.15075	-0.05914	0.20209	-0.00875
0.024128	0.603	0.015871	0.7323	0.025781	0.57839	0.005905	0.89873	0.045828
0.069233	0.1352	-0.27195	2.31E-09	0.049865	0.2822	0.013044	0.77861	-0.11573
0.001334	0.97707	-0.01728	0.70956	0.019045	0.68144	-0.0254	0.58403	0.053354
0.291071	1.43E-10	0.113393	0.01421	0.292899	1.08E-10	0.30143	2.89E-11	0.158694
0.043226	0.35131	-0.16142	0.00046	-0.08122	0.07955	-0.0795	0.08612	-0.08096
0.119926	0.00949	0.043151	0.35214	0.22619	7.85E-07	0.022451	0.62844	0.245377
-0.12733	0.00586	-0.01467	0.75185	-0.12562	0.00656	0.067294	0.14651	-0.2291
0.033632	0.46842	0.050566	0.27548	-0.07674	0.09763	-0.07772	0.09342	-0.09493
0.304052	1.91E-11	0.327039	4.21E-13	0.260933	1.05E-08	0.303518	2.08E-11	0.198059
-0.1303	0.0048	-0.06326	0.17232	-0.15537	0.00075	-0.08238	0.07532	-0.08026
0.02927	0.52805	0.208462	5.55E-06	0.03093	0.50491	0.16913	0.00024	0.090526
0.045775	0.3236	0.000955	0.98358	0.057724	0.21309	-0.08014	0.08364	0.115558



-0.12867	0.00536	0.187398	4.60E-05	0.021891	0.63703	0.114717	0.01312	0.09901
0.173427	0.00017	0.398069	3.49E-19	0.019206	0.6789	0.155538	0.00074	0.124113
-0.03162	0.49541	0.021319	0.64585	-0.00728	0.87526	0.038982	0.40064	-0.03769
-0.01616	0.72757	-0.09818	0.03391	0.040989	0.37681	-0.01578	0.73385	0.05601
0.026429	0.56888	-0.0024	0.9588	-0.02728	0.55652	-0.08562	0.06451	0.04757
-0.04001	0.38833	-0.07417	0.10943	-0.06262	0.17675	-0.08821	0.05679	-0.10124
-0.00368	0.93679	0.010797	0.81599	0.045034	0.33151	-0.05323	0.25099	0.11021
-0.10489	0.0234	-0.1379	0.00282	-0.03677	0.42787	-0.11561	0.01242	-0.07724
0.013815	0.76589	-0.00858	0.85321	-0.05287	0.25422	-0.08412	0.06935	0.006015
0.03796	0.41311	-0.08702	0.06022	-0.10024	0.03032	-0.10785	0.01974	-0.15515
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0.162677	0.00042	0.152205	0.00097	0.162472	0.00042	0.080054	0.08397	0.212682
0.027063	0.55965	0.096031	0.03803	0.092236	0.04635	0.093786	0.04279	0.114342
0.039189	0.39814	0.084124	0.06933	0.08046	0.0824	-0.00273	0.95301	0.13129
-0.05753	0.21462	-0.04202	0.36489	-0.04447	0.33764	-0.03926	0.39727	0.007703
0.304488	1.78E-11	0.105397	0.02273	0.319469	1.53E-12	0.22066	1.47E-06	0.194463
0.043695	0.34611	0.009122	0.84414	-0.04815	0.29911	-0.00924	0.84213	-0.14116
0.131542	0.00441	0.098416	0.03348	0.093087	0.04437	0.077149	0.09587	0.035793
0.02917	0.52948	0.055971	0.22734	0.103414	0.02543	0.041888	0.36643	0.138678
0.016603	0.72045	0.061076	0.18765	0.050928	0.27206	0.050335	0.27769	0.051432
0.024152	0.60264	0.027222	0.55733	0.058777	0.20484	0.072152	0.11945	0.056837
0.008108	0.86128	-0.01089	0.81451	-0.06723	0.14689	-0.02552	0.58226	-0.06546
0.072318	0.1186	-0.08385	0.07024	-0.0845	0.06808	-0.10007	0.0306	-0.12127
-0.07269	0.11671	0.056242	0.22509	-0.19193	2.97E-05	-0.0913	0.04863	-0.11668
-0.14137	0.0022	-0.06594	0.1548	-0.1967	1.86E-05	-0.24195	1.20E-07	-0.08403
-0.098	0.03424	-0.17823	0.00011	-0.17191	0.00019	-0.29867	4.46E-11	-0.01679
0.003889	0.93321	-0.07933	0.08681	-0.01148	0.80452	-0.10917	0.01828	0.098135
0.02353	0.61202	0.02232	0.63044	0.120947	0.00889	0.053664	0.2471	0.126993
0.04269	0.35732	0.013264	0.77497	0.138614	0.00268	0.053208	0.25115	0.128807
0.042564	0.35874	0.153665	0.00086	0.060172	0.19428	0.129758	0.00498	0.094205
-0.06525	0.15919	0.013049	0.77853	-0.10401	0.02459	0.096132	0.03783	-0.03821
0.185321	5.60E-05	0.236536	2.32E-07	-0.05373	0.24649	0.031861	0.49218	0.011303
0.129034	0.00523	0.117635	0.01095	0.267953	4.03E-09	0.220456	1.50E-06	0.25095
-0.04365	0.34656	-0.03052	0.51061	-4.09E-05	0.9993	0.018154	0.69558	0.028108
0.09961	0.03138	-0.00094	0.98384	-0.02863	0.53718	-0.03879	0.40297	-0.05207
0.063174	0.17291	0.061688	0.18326	0.020737	0.65489	0.03767	0.4167	-0.00199
0.047342	0.3073	-0.03442	0.45802	-0.01442	0.75601	-0.08278	0.07392	0.004805
-0.02085	0.65321	-0.2044	8.49E-06	0.115864	0.01222	-0.01382	0.76575	0.143015
-0.01474	0.75078	0.062778	0.17563	0.151456	0.00103	0.077543	0.09418	0.102528
-0.03591	0.43876	0.017626	0.704	0.020625	0.65664	0.036244	0.43457	-0.02579
0.113913	0.01377	0.109164	0.01829	-0.07835	0.09079	-0.02997	0.51819	-0.07304
0.171434	0.0002	0.135616	0.00332	0.1299	0.00493	0.141755	0.00214	0.131467
-0.02495	0.5907	0.10735	0.02032	-0.0293	0.52766	-0.0652	0.15954	0.064729
-0.02085	0.65316	-0.02958	0.52366	0.064736	0.16251	0.025782	0.57838	0.021812
-0.00736	0.87401	0.039725	0.39172	0.072036	0.12005	0.067089	0.14774	0.060703

0.040553	0.38192	0.092908	0.04478	0.159102	0.00056	0.134116	0.00369	0.109654
-0.00757	0.87048	0.037502	0.41878	-0.0029	0.95023	-0.04694	0.31139	0.095919
0.082622	0.07446	0.064904	0.16142	0.123173	0.0077	0.014979	0.7468	0.16404
-0.03508	0.44942	-0.02074	0.65491	-0.00041	0.99293	0.019886	0.66819	-0.00688
0.064568	0.16361	0.16528	0.00033	0.1442	0.00178	0.098498	0.03334	0.230581
0.128125	0.00556	-0.01052	0.82063	0.036773	0.42789	-0.01826	0.6939	-0.05607
0.049455	0.28619	-0.11978	0.00958	-0.01309	0.77777	-0.05206	0.26158	-0.04816
0.011823	0.79886	-0.04651	0.31586	0.032314	0.48604	0.012959	0.78001	0.084117
0.069258	0.13505	0.014655	0.7521	0.192701	2.76E-05	0.103008	0.02602	0.172703
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0.176647	0.00012	-0.15556	0.00074	0.025258	0.58613	-0.11951	0.00974	0.021793
-0.04843	0.29633	-0.14599	0.00156	0.000275	0.99527	-0.14719	0.00142	-0.01012
-0.08235	0.07542	-0.11634	0.01187	-0.15922	0.00055	-0.23594	2.50E-07	-0.13263
0.047866	0.30197	0.012865	0.78156	-0.03446	0.45756	-0.05838	0.20793	0.044788
-0.0564	0.22375	0.033101	0.47548	0.227046	7.11E-07	0.195384	2.12E-05	0.046503
-0.15627	0.0007	-0.02034	0.66102	-0.0869	0.06059	-0.06418	0.16616	-0.12329
-0.07778	0.09316	-0.0034	0.94155	-0.02837	0.54084	-0.02309	0.61876	-0.18862
0.196329	1.93E-05	-0.03091	0.50522	-0.17259	0.00018	-0.04833	0.29729	-0.1322
0.135116	0.00344	0.181214	8.21E-05	0.293608	9.73E-11	0.250773	3.96E-08	0.218063
-0.04129	0.3733	0.013581	0.76975	0.108519	0.01899	0.093403	0.04365	0.033264
0.104353	0.02412	-0.14007	0.00241	0.01592	0.7315	-0.01241	0.78918	-0.06646
-0.06695	0.14858	-0.04648	0.31625	-0.13728	0.00295	-0.20613	7.09E-06	0.005943
-0.02987	0.51962	0.01485	0.74892	0.109324	0.01811	0.09486	0.04045	0.041478
0.121843	0.00839	0.361345	7.52E-16	0.139474	0.00252	0.23918	1.69E-07	0.199089
0.045161	0.33015	0.092023	0.04687	0.197193	1.77E-05	0.189584	3.73E-05	0.156355
0.146929	0.00145	0.114958	0.01292	0.08031	0.08298	0.027455	0.55397	0.100294
0.038092	0.4115	0.065997	0.15447	0.034031	0.46316	0.042705	0.35715	0.076686
0.06092	0.18878	0.164043	0.00037	-0.03183	0.49264	0.006355	0.89106	0.032512
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0.061713	0.18308	0.129518	0.00506	0.065152	0.15982	0.048798	0.29265	0.027453
0.010847	0.81516	0.003723	0.93605	-0.14667	0.00148	-0.04152	0.3707	-0.12094
0.009674	0.83484	-0.23224	3.88E-07	-0.09845	0.03342	-0.31806	1.94E-12	-0.16122
0.087479	0.05889	-0.13663	0.00309	-0.12523	0.00674	-0.14922	0.00122	-0.12847
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0.049193	0.28875	0.097141	0.03585	0.007513	0.87137	-0.01625	0.72609	0.095043
-0.01972	0.67083	-0.07452	0.10778	0.098779	0.03283	0.123473	0.00755	-0.04
0.039975	0.38874	0.077128	0.09596	-0.12375	0.00742	0.015331	0.74107	-0.1431
-0.00174	0.97001	-0.1545	0.00081	-0.08776	0.05807	-0.27248	2.15E-09	-0.05625
0.130176	0.00484	-0.00803	0.86262	-0.0584	0.2078	-0.1017	0.02799	-0.049
-0.09994	0.03083	-0.23517	2.74E-07	-0.26441	6.54E-09	-0.13868	0.00267	-0.22882
-0.04965	0.28424	-0.20838	5.60E-06	-0.00211	0.96373	-0.09799	0.03426	0.001963
0.071533	0.12267	-0.01783	0.70077	0.091623	0.04783	-0.03309	0.47565	0.138955
-0.02046	0.65922	0.024225	0.60155	-0.03875	0.40341	0.006549	0.88776	-0.04482
0.023206	0.61693	0.08271	0.07416	0.064345	0.16507	0.052606	0.25656	0.051749

-0.04704	0.31041	0.099657	0.0313	-0.12353	0.00753	-0.0294	0.5262	-0.00057
0.019197	0.67903	0.05835	0.20816	0.017027	0.71362	0.02871	0.53599	0.017459
-0.11641	0.01182	-0.04419	0.34066	-0.13689	0.00303	-0.06379	0.16875	-0.16364
0.174255	0.00015	0.015743	0.73437	0.121079	0.00881	0.076756	0.09758	0.072796
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0.35109	5.41E-15	0.452825	5.46E-25	0.207766	5.97E-06	0.345174	1.64E-14	0.10261
0.166467	0.0003	0.074823	0.10634	0.241986	1.20E-07	0.063875	0.16818	0.275764
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0.003105	0.94665	-0.06973	0.13243	-0.07289	0.11573	-0.0746	0.10737	-0.06596
-0.01106	0.8116	-0.04403	0.34238	-0.01502	0.74606	-0.03475	0.4538	-0.04434
0.055901	0.22792	-0.0243	0.60042	0.030893	0.50543	0.005121	0.91211	0.022685
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-0.09759	0.035	-0.02945	0.52551	-0.00026	0.99549	0.036788	0.4277	0.098612
0.042265	0.36214	0.028694	0.53622	0.146815	0.00147	0.047938	0.30125	0.150934
0.248387	5.36E-08	0.001679	0.97114	0.206446	6.86E-06	0.033116	0.47528	0.196248
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0.224406	9.63E-07	0.063682	0.16947	0.236011	2.47E-07	0.09634	0.03742	0.135299
-0.13743	0.00292	-0.4399	1.60E-23	-0.04575	0.32385	-0.15703	0.00066	-0.2108
0.016851	0.71646	0.11104	0.01637	-0.08077	0.08123	-0.06599	0.15448	-0.00747
0.02044	0.65952	0.046078	0.32041	0.037516	0.41861	0.013662	0.7684	0.09351
0.007643	0.86917	0.018003	0.69799	-0.13134	0.00447	-0.14478	0.00171	0.000136
0.007919	0.86448	0.133148	0.00395	-0.07313	0.11453	-0.03772	0.41604	0.03799
-0.20899	5.25E-06	-0.38755	3.47E-18	-0.21492	2.77E-06	-0.2931	1.05E-10	-0.21488
0.034437	0.45783	-0.11034	0.01706	0.140262	0.00238	0.110947	0.01646	0.060992
0.366341	2.80E-16	0.402249	1.37E-19	0.368023	2.00E-16	0.335369	9.72E-14	0.299442
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0.104198	0.02433	0.090436	0.05081	0.112675	0.01484	-0.00798	0.86349	0.16599
0.083628	0.07099	0.144203	0.00178	0.09157	0.04796	0.067568	0.14487	0.106589
-0.00145	0.9751	0.15419	0.00083	-0.12588	0.00645	0.181407	8.06E-05	-0.112
-0.05607	0.22648	0.100306	0.03021	0.076659	0.098	0.070187	0.12988	0.06793
0.037466	0.41923	0.154398	0.00081	0.175277	0.00014	0.159959	0.00052	0.176512
-0.08909	0.05436	-0.0593	0.20085	0.016173	0.7274	0.005249	0.90992	-0.02356
0.15238	0.00096	0.35692	1.78E-15	0.344907	1.72E-14	0.45968	8.58E-26	0.146108
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0.491646	8.60E-30	0.08137	0.07898	0.112978	0.01458	0.059478	0.19949	0.080506
0.260683	1.08E-08	0.22727	6.93E-07	0.078909	0.08851	0.120364	0.00923	0.072938
-0.00371	0.93635	0.042186	0.36302	-0.08108	0.08004	-0.00904	0.84554	-0.04223
0.053772	0.24615	0.092	0.04692	-0.09609	0.03791	-0.15743	0.00064	-0.11656
0.170757	0.00021	0.204153	8.71E-06	0.28336	4.51E-10	0.280751	6.60E-10	0.278835
-0.13321	0.00393	-0.0777	0.09349	-0.08804	0.05728	-0.02327	0.61603	-0.11197
0.180567	8.71E-05	0.150337	0.00112	0.070245	0.12957	-0.04158	0.36992	0.071091
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0.038779	0.4031	-0.08651	0.06178	0.002288	0.96067	-0.05921	0.2015	-0.02661
-0.05498	0.23567	-0.07364	0.11201	0.124877	0.00689	0.125181	0.00676	0.072537
0.203178	9.64E-06	-0.01482	0.74947	0.160499	0.0005	0.002929	0.94967	0.055859
-0.03302	0.47659	-0.10958	0.01784	0.224956	9.04E-07	0.128401	0.00546	0.128092
-0.03651	0.43115	0.127719	0.00571	0.022007	0.63524	0.093609	0.04318	0.105408
0.149512	0.00119	0.043037	0.35342	0.124006	0.0073	0.089401	0.05352	0.123634
0.069352	0.13452	-0.15598	0.00072	0.04463	0.33587	-0.10669	0.02111	0.03135
-0.01149	0.80433	-0.10759	0.02005	0.076687	0.09788	5.19E-06	0.99991	0.176852
0.09602	0.03806	0.051549	0.26625	-0.01087	0.81474	-0.04384	0.34446	0.070421
0.03967	0.39237	-0.09326	0.04397	-0.06836	0.14021	-0.04605	0.32066	-0.06675
-0.03609	0.43649	-0.32467	6.34E-13	-0.00758	0.87031	-0.12237	0.00811	-0.04913
0.034542	0.45646	0.038558	0.40579	0.082197	0.07598	0.065127	0.15999	-0.00916
-0.05688	0.21985	-0.00627	0.89255	-0.20161	1.13E-05	-0.17085	0.00021	-0.14328
0.16208	0.00044	0.182279	7.44E-05	0.229891	5.11E-07	0.156228	0.0007	0.134399
0.084502	0.06808	0.051002	0.27137	-0.02613	0.57332	0.044428	0.33806	-0.02182
0.135839	0.00327	0.094986	0.04019	-0.13889	0.00263	-0.03065	0.50877	-0.158
-0.03573	0.44107	-0.09999	0.03073	0.016282	0.72563	-0.02191	0.63666	0.017123
-0.08999	0.05196	-0.06651	0.15129	-0.08951	0.05324	-0.05965	0.19822	-0.11352
-0.096	0.03809	0.053634	0.24736	-0.20573	7.39E-06	-0.09712	0.0359	-0.13485
-0.00666	0.88584	-0.05923	0.20134	-0.01908	0.68086	-0.04659	0.31501	-0.02196
-0.01744	0.70696	-0.06209	0.18039	0.042336	0.36133	0.055403	0.2321	-0.02423
-0.16256	0.00042	-0.13376	0.00378	-0.31491	3.28E-12	-0.17279	0.00018	-0.21628
0.095569	0.03897	0.058556	0.20656	-0.09218	0.04649	-0.16128	0.00047	-0.09817
-0.19302	2.67E-05	-0.08166	0.07793	-0.13792	0.00282	-0.03972	0.39184	-0.17058
-0.25445	2.46E-08	-0.16524	0.00034	-0.18914	3.90E-05	-0.14014	0.0024	-0.11956
-0.04741	0.3066	0.152675	0.00093	-0.08248	0.07498	-0.02031	0.66151	-0.02253
0.055285	0.23309	-0.04543	0.32724	0.018497	0.69012	-0.08649	0.06183	-0.04001
-0.04497	0.33217	0.036525	0.43102	-0.01203	0.79548	0.121063	0.00882	-0.00985
-0.03388	0.46517	0.023535	0.61194	-0.12614	0.00634	-0.11237	0.01512	0.012859
0.062229	0.17944	0.114762	0.01308	0.125017	0.00683	0.044118	0.34145	0.178567
0.00356	0.93884	-0.10876	0.01872	0.026928	0.5616	0.06339	0.17144	-0.00352
0.036477	0.43162	0.033088	0.47566	0.162843	0.00041	0.161931	0.00044	0.122795
-0.01156	0.80317	-0.03965	0.39257	-0.22508	8.91E-07	-0.14411	0.0018	-0.09092
-0.05778	0.2126	-0.02187	0.63735	-0.0583	0.20854	-0.04068	0.38046	-0.06334
0.008135	0.86082	0.041518	0.37069	0.201211	1.18E-05	0.225752	8.25E-07	0.196207
0.123465	0.00756	0.42831	2.94E-22	0.080307	0.08299	0.294415	8.60E-11	0.067852
0.276255	1.26E-09	0.345831	1.45E-14	0.299546	3.89E-11	0.387028	3.89E-18	0.160589
-0.05517	0.2341	-0.02921	0.52893	-0.01443	0.75584	-0.12353	0.00752	-0.03418
0.081644	0.07798	0.082144	0.07617	0.167769	0.00027	0.07481	0.1064	0.101618
0.010091	0.82783	-0.05099	0.27145	-0.22465	9.36E-07	-0.15454	0.00081	-0.09655
0.157278	0.00065	0.076448	0.09894	0.089822	0.0524	0.046352	0.31754	0.066609
0.140217	0.00239	0.212289	3.69E-06	0.066939	0.14865	0.103025	0.02599	0.146401
-0.13547	0.00335	-0.11588	0.01221	-0.11001	0.01739	-0.14943	0.0012	-0.0441
0.105244	0.02293	-0.06167	0.18339	0.115041	0.01286	-0.04911	0.2896	0.079926
0.106589	0.02123	-6.41E-05	0.9989	0.009456	0.83851	-0.05936	0.20038	0.025549

0.019281	0.67772	-0.12051	0.00914	0.063883	0.16813	-0.01617	0.72746	0.033293
0.019762	0.67015	0.005247	0.90996	0.056163	0.22574	-0.0009	0.98445	0.132345
0.235595	2.60E-07	-0.01463	0.75254	0.197913	1.65E-05	-0.03662	0.42978	0.151179
-0.00839	0.85642	-0.06673	0.14995	0.073095	0.11469	0.092566	0.04557	0.017123
-0.0332	0.47411	0.008312	0.85782	-0.12605	0.00638	-0.1269	0.00603	-0.04981
0.096943	0.03624	-0.0647	0.16272	0.006478	0.88897	-0.0789	0.08853	-0.01492
-0.02112	0.64901	-0.05737	0.2159	0.02061	0.65688	-0.0539	0.24499	0.060949
-0.0084	0.8564	0.028672	0.53652	-0.02297	0.62048	-0.09129	0.04866	0.049058
-0.07408	0.10988	-0.14292	0.00196	-0.24291	1.07E-07	-0.22257	1.19E-06	-0.24333
-0.07393	0.11059	-0.02999	0.51802	-0.18686	4.84E-05	-0.14581	0.00158	-0.05892
-0.14267	0.002	-0.27438	1.64E-09	-0.23949	1.62E-07	-0.31758	2.11E-12	-0.24671
-0.1319	0.0043	-0.32685	4.35E-13	-0.14993	0.00116	-0.21843	1.89E-06	-0.22104
0.127487	0.0058	-0.13139	0.00445	-0.01832	0.69297	-0.07423	0.10915	-0.04656
0.023396	0.61405	0.153375	0.00088	-0.03168	0.49464	0.09379	0.04278	-0.15032
0.252241	3.28E-08	0.091788	0.04743	-0.0651	0.16019	-0.06964	0.13289	-0.02655
-0.0182	0.69477	-0.02269	0.62481	-0.18201	7.63E-05	-0.20821	5.70E-06	-0.02352
-0.03054	0.51024	-0.01771	0.70266	-0.03443	0.45792	-0.02202	0.63499	-0.02453
0.092461	0.04582	0.236825	2.24E-07	0.192289	2.87E-05	0.260267	1.14E-08	0.08025
0.309107	8.50E-12	0.248659	5.18E-08	0.323808	7.34E-13	0.222359	1.21E-06	0.290037
-0.00306	0.94738	0.00505	0.91333	0.084452	0.06824	0.097865	0.03449	0.094425
0.166548	0.0003	0.14087	0.00228	0.130199	0.00483	0.120873	0.00893	0.113238
0.068961	0.13674	-0.12989	0.00493	0.155325	0.00076	-0.08214	0.07617	0.137745
-0.22745	6.79E-07	-0.17509	0.00014	-0.18501	5.76E-05	-0.10769	0.01993	-0.22705
0.077044	0.09632	0.125628	0.00656	-0.07849	0.09022	-0.00418	0.92813	0.014153
0.050066	0.28027	-0.07695	0.09675	0.178955	0.0001	0.008401	0.85632	0.212308
0.174186	0.00015	0.447582	2.19E-24	0.231897	4.04E-07	0.420141	2.14E-21	0.100438
0.037381	0.42028	0.054128	0.24303	0.013184	0.7763	-0.00487	0.91648	0.055183
0.229453	5.38E-07	-0.19872	1.52E-05	-0.06162	0.18377	-0.15432	0.00082	-0.06155
0.033639	0.46832	-0.0252	0.58703	0.016389	0.7239	-0.04287	0.35525	0.079806
-0.02973	0.5216	-0.06442	0.1646	-0.14058	0.00233	-0.06692	0.14875	-0.1035
-0.20906	5.21E-06	-0.14383	0.00183	-0.08104	0.08022	-0.01759	0.70458	-0.01284
0.0642	0.16603	0.109739	0.01768	0.194828	2.24E-05	0.113718	0.01394	0.219907
-0.03678	0.42776	-0.06147	0.18484	-0.18717	4.70E-05	-0.11945	0.00978	-0.11722
0.055041	0.23517	-0.09377	0.04283	-0.06681	0.14946	-0.06561	0.15693	-0.04705
-0.03847	0.40684	-0.01598	0.73057	-0.03746	0.41931	-0.14963	0.00118	0.016294
-0.06652	0.15121	-0.13205	0.00426	-0.07965	0.08555	-0.16156	0.00046	-0.04231
-0.03664	0.42953	-0.07946	0.08631	0.027822	0.54867	-0.11341	0.0142	0.037211
0.13811	0.00278	-0.02006	0.6655	-0.08359	0.07113	-0.06859	0.1389	-0.04012
0.101376	0.02849	0.070923	0.1259	0.078922	0.08845	0.027954	0.54679	0.058539
0.042028	0.36483	0.118022	0.01069	0.006553	0.88769	0.004009	0.93114	0.0684
0.130601	0.0047	0.07562	0.10266	0.310095	7.24E-12	0.197224	1.76E-05	0.188512
-0.01146	0.80496	-0.03107	0.50305	0.081434	0.07875	0.04417	0.34088	0.186296
0.028504	0.53891	0.056673	0.22155	0.056332	0.22435	0.063176	0.1729	0.038135
0.145543	0.00161	0.3211	1.16E-12	0.079215	0.08728	0.207404	6.21E-06	-0.02762
0.079568	0.08587	-0.05727	0.21669	0.227529	6.73E-07	0.156845	0.00067	0.121025

0.140679	0.00231	-0.15314	0.0009	0.01631	0.72518	0.022538	0.62711	-0.02061
-0.12574	0.00651	-0.07784	0.0929	-0.09299	0.04458	-0.05323	0.25097	0.011594
-0.11141	0.01601	-0.11367	0.01398	-0.12342	0.00758	-0.18593	5.29E-05	-0.03272
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0.021688	0.64015	-0.00792	0.8644	0.011261	0.80824	-0.01539	0.74015	-0.02038
0.03325	0.47349	0.038686	0.40423	0.00022	0.99622	-0.033	0.47685	0.075151
0.049569	0.28507	0.068814	0.13758	0.055416	0.23198	0.030718	0.50785	0.113843
0.242212	1.16E-07	0.206908	6.54E-06	0.2664	4.99E-09	0.285012	3.54E-10	0.244388
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0.099014	0.03242	0.1471	0.00143	0.03053	0.51045	0.128161	0.00554	-0.07755
-0.04049	0.38261	-0.07771	0.09345	-0.184	6.34E-05	-0.18971	3.69E-05	-0.01619
0.119122	0.00998	-0.02413	0.60291	0.239306	1.66E-07	0.060391	0.19266	0.225838
0.156558	0.00069	0.153556	0.00087	0.25828	1.49E-08	0.220569	1.49E-06	0.243585
0.05697	0.21914	0.138996	0.00261	0.136795	0.00305	0.084151	0.06924	0.204759
-0.05443	0.24044	0.064091	0.16675	-0.07451	0.10784	-0.10162	0.0281	-0.10761
0.077239	0.09548	0.108698	0.01879	-0.0084	0.85639	0.151087	0.00106	-0.05509
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-0.05417	0.24265	-0.02551	0.58236	0.005584	0.9042	-0.02523	0.58651	-0.04551
-0.15713	0.00066	-0.04211	0.36395	-0.04972	0.28363	-0.02809	0.54488	0.002612
0.05364	0.24731	0.014357	0.75699	0.104048	0.02454	0.05549	0.23136	0.073557
-0.2416	1.25E-07	-0.28043	6.91E-10	-0.11737	0.01114	-0.21157	3.99E-06	-0.07036
0.114148	0.01358	0.083198	0.07246	0.119882	0.00951	0.078676	0.08946	0.13455
0.038439	0.40725	0.189376	3.81E-05	0.084202	0.06907	0.211241	4.13E-06	0.071378
-0.10992	0.01749	-0.27451	1.61E-09	-0.09721	0.03572	-0.08776	0.05809	-0.25155
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0.084771	0.0672	0.157456	0.00064	0.069823	0.13189	0.079226	0.08723	0.190419
0.059247	0.20124	0.194551	2.30E-05	0.135501	0.00335	0.246538	6.78E-08	0.194047
0.287553	2.43E-10	0.173556	0.00016	0.142979	0.00195	0.211102	4.19E-06	0.075595
0.081247	0.07944	0.187823	4.42E-05	0.108587	0.01891	0.221887	1.28E-06	0.012231
0.177972	0.00011	-0.12023	0.0093	0.126028	0.00639	-0.07493	0.10586	-0.00305
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0.000724	0.98755	0.049216	0.28853	0.053529	0.24829	0.082871	0.07359	0.018385
0.102572	0.02666	0.058105	0.21008	0.039594	0.39329	0.027288	0.55637	0.057016
-0.04433	0.33915	0.036991	0.42515	0.037598	0.41759	0.028825	0.53436	0.089949
-0.13116	0.00452	-0.06966	0.13278	0.138699	0.00267	0.07135	0.12363	0.160673
0.01174	0.80024	0.023938	0.60585	0.011705	0.80082	-0.11767	0.01093	-0.04015
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0.130728	0.00466	0.051606	0.26573	0.160833	0.00048	0.121638	0.0085	0.141762
0.052516	0.25737	-0.07718	0.09571	-0.0954	0.03932	-0.05419	0.2425	-0.06052
0.177914	0.00011	0.29419	8.90E-11	0.280919	6.44E-10	0.272051	2.28E-09	0.216147
0.118642	0.01029	0.072767	0.11633	0.10019	0.0304	0.115333	0.01263	0.011246
0.088027	0.05732	0.060692	0.19044	-0.09565	0.0388	-0.14259	0.00201	0.004622
0.074621	0.10729	0.039414	0.39544	-0.06114	0.18715	-0.07891	0.0885	-0.07264

-0.06717	0.14725	0.155084	0.00077	-0.02825	0.54259	0.143264	0.00191	0.065215
0.225834	8.18E-07	0.311932	5.36E-12	0.072891	0.1157	0.217941	1.99E-06	0.035226
0.0817	0.07777	-0.02696	0.56109	0.110712	0.01669	0.053723	0.24658	0.110468
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0.114316	0.01344	0.092329	0.04613	0.162717	0.00041	0.118135	0.01062	0.182846
0.137527	0.0029	0.078212	0.09137	0.12111	0.0088	0.069361	0.13447	0.139633
0.016234	0.72641	0.119752	0.00959	-0.01345	0.77187	-0.07512	0.10497	0.095846
0.117425	0.0111	-0.04125	0.3738	0.069614	0.13305	-0.12575	0.00651	0.195698
0.093132	0.04426	0.002589	0.9555	0.12879	0.00531	0.139306	0.00255	0.095279
-0.00045	0.9922	0.068113	0.14164	0.08233	0.0755	0.044476	0.33754	0.123265
0.314843	3.32E-12	0.100971	0.02913	0.059349	0.20046	0.021203	0.64765	0.141782
0.314665	3.42E-12	0.106273	0.02162	-0.1575	0.00064	0.027067	0.55958	-0.13727
-0.09937	0.0318	-0.18365	6.55E-05	-0.11438	0.01339	-0.16611	0.00031	-0.06995
-0.05723	0.21703	-0.08593	0.06354	-0.08708	0.06006	-0.15167	0.00101	-0.0264
-0.08846	0.05609	-0.25798	1.55E-08	-0.176	0.00013	-0.26042	1.12E-08	-0.18292
0.095772	0.03856	-0.18924	3.86E-05	-0.10646	0.02139	-0.09065	0.05027	-0.1781
-0.02661	0.56621	-0.03748	0.41905	-0.00764	0.86921	-0.05058	0.27531	0.02149
0.027535	0.55281	-0.07815	0.09162	-0.05112	0.27023	-0.08689	0.06062	-0.05371
0.140275	0.00238	-0.07726	0.09539	-0.04066	0.38071	-0.0578	0.21251	-0.08197
0.036244	0.43457	-0.02845	0.53973	-0.03981	0.39073	-0.15615	0.00071	0.042147
0.016876	0.71605	-0.01949	0.67436	0.022635	0.62562	-0.0474	0.30672	0.067937
-0.0154	0.73998	0.04649	0.3161	0.02861	0.53741	0.040262	0.38535	0.092357
0.174085	0.00016	-0.03823	0.40978	0.044372	0.33867	0.033829	0.46581	-6.01E-05
0.034273	0.45999	-0.01901	0.68207	0.055142	0.23431	0.056437	0.22348	0.0371
0.142144	0.00208	0.090019	0.05189	0.045037	0.33148	0.027928	0.54716	0.0895
0.003934	0.93243	0.032993	0.47692	0.001664	0.9714	-0.01734	0.70854	0.037547
0.11296	0.01459	-0.01147	0.80476	0.064987	0.16089	-0.0448	0.33402	0.038034
0.051886	0.26314	-0.01855	0.68925	0.109882	0.01753	-0.04557	0.32574	0.160182
0.027119	0.55883	-0.00023	0.99605	0.057383	0.2158	0.019451	0.67503	0.09745
-0.00529	0.9093	-0.05229	0.25944	0.000187	0.99678	-0.07043	0.12856	-0.0044
-0.06484	0.16184	0.014364	0.75687	-0.00545	0.90643	0.014739	0.75073	-0.03316
0.100148	0.03047	0.066036	0.15422	-0.03059	0.50964	-0.05632	0.22448	-0.01775
-0.03161	0.49562	-0.04696	0.31127	-0.04911	0.2896	-0.05633	0.2244	-0.07803
0.108237	0.0193	0.042199	0.36288	0.000965	0.98341	0.047425	0.30646	0.052091
-0.03084	0.50611	-0.02729	0.55642	0.018771	0.68578	0.130715	0.00466	0.065445
0.108176	0.01937	0.048109	0.29952	-0.12856	0.0054	0.029007	0.53178	-0.12309
-0.06395	0.1677	-0.04721	0.30866	-0.06637	0.15212	8.22E-05	0.99859	-0.0556
-0.11087	0.01654	-0.10342	0.02541	0.076888	0.097	-0.04237	0.36098	0.059377
0.122071	0.00827	-0.01179	0.79937	0.053437	0.24911	-0.05373	0.24656	0.049522
0.017505	0.70595	0.113956	0.01374	0.044119	0.34144	0.033381	0.47174	0.078761
0.096325	0.03745	-0.01147	0.80478	-0.01047	0.82152	-0.03312	0.4752	0.027785
-0.04469	0.33525	-0.0552	0.23383	-0.13584	0.00327	-0.12079	0.00898	-0.11679
0.111112	0.0163	0.054188	0.24251	0.098192	0.03389	0.000725	0.98754	0.206843
0.163851	0.00038	0.33245	1.63E-13	0.267709	4.17E-09	0.44022	1.48E-23	0.186548
0.13298	0.00399	0.2303	4.87E-07	0.134507	0.00359	0.083916	0.07002	0.242725

0.085777	0.06401	0.170669	0.00021	0.036661	0.4293	0.041937	0.36587	0.166039
0.047345	0.30727	0.084362	0.06854	-0.03329	0.47292	-0.04676	0.3133	0.011387
0.104172	0.02437	0.145089	0.00167	-0.00127	0.97813	0.019843	0.66886	-0.01307
0.124544	0.00705	0.354794	2.67E-15	0.026279	0.57108	0.205849	7.30E-06	-0.04498
-0.11775	0.01088	-0.11324	0.01434	-0.16797	0.00027	-0.03283	0.47912	-0.11528
0.071306	0.12386	0.218835	1.80E-06	0.150855	0.00108	0.103568	0.02521	0.237238
0.048034	0.30028	0.261348	9.89E-09	0.07898	0.08822	0.2688	3.59E-09	0.015879
0.161826	0.00045	0.154456	0.00081	0.18781	4.42E-05	0.173826	0.00016	0.115021
0.219695	1.64E-06	0.419148	2.71E-21	0.171315	0.0002	0.228471	6.03E-07	0.168748
0.137699	0.00286	0.17108	0.0002	0.077739	0.09335	0.058277	0.20873	0.135218
-0.05599	0.22716	-0.00155	0.9734	-0.12677	0.00608	-0.02402	0.60462	-0.04446
-0.02659	0.5665	-0.00611	0.89532	0.038103	0.41136	0.121201	0.00875	0.015008
0.13617	0.00319	0.134929	0.00348	0.058486	0.20709	0.021775	0.63882	0.106741
0.238112	1.92E-07	0.174242	0.00015	0.343236	2.34E-14	0.27801	9.80E-10	0.173503
0.220266	1.54E-06	0.334215	1.19E-13	0.287802	2.34E-10	0.448329	1.80E-24	0.14799
-0.07832	0.09091	-0.11867	0.01027	-0.04461	0.33613	0.040228	0.38575	-0.06559
0.079927	0.08446	0.049084	0.28983	-0.08377	0.07052	-0.06081	0.18958	-0.13072
0.123532	0.00753	0.07222	0.1191	0.294264	8.80E-11	0.276468	1.22E-09	0.143452
-0.09067	0.0502	0.114376	0.01339	-0.10436	0.02411	-0.06849	0.13944	-0.00302
-0.01884	0.68472	0.010644	0.81856	-0.07285	0.11592	-0.05766	0.21359	-0.01597
-0.01157	0.803	-0.01752	0.70574	-0.02659	0.56659	0.032047	0.48965	-0.01031
0.082735	0.07407	0.273789	1.79E-09	-0.03502	0.4502	0.20572	7.40E-06	-0.0306
0.028061	0.54525	0.257692	1.61E-08	0.21679	2.26E-06	0.355121	2.51E-15	0.178793
0.017171	0.7113	-0.02539	0.58414	-0.0741	0.10977	-0.09139	0.04841	-0.00772
0.037585	0.41775	0.03652	0.43108	0.011177	0.80964	0.003272	0.94379	0.002409
0.0985	0.03333	0.237774	2.00E-07	0.135893	0.00326	0.152632	0.00094	0.208113
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0.076809	0.09735	0.072441	0.11797	-0.12237	0.00811	-0.00362	0.93782	-0.08191
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0.068873	0.13724	-0.14129	0.00221	0.018052	0.69721	-0.10349	0.02532	-0.02412
0.072524	0.11755	0.014757	0.75044	-0.07817	0.09153	-0.05253	0.25722	-0.0821
0.259888	1.20E-08	0.094937	0.04029	0.013999	0.76287	0.019491	0.6744	0.193052
0.114785	0.01306	0.053823	0.2457	0.10837	0.01915	0.012108	0.79412	0.071825
0.3835	8.24E-18	-0.07331	0.11361	0.094785	0.04061	-0.08684	0.06078	0.077238
0.069681	0.13268	0.085003	0.06646	-0.00612	0.89506	0.051653	0.26528	0.055697
0.362254	6.29E-16	0.084911	0.06675	-0.02584	0.57755	0.077933	0.09253	0.003945
-0.01075	0.81679	0.003483	0.94017	-0.06643	0.15177	-0.09125	0.04875	-0.00212
0.009585	0.83634	0.011792	0.79939	-0.00905	0.84535	-0.00156	0.9731	0.005751
0.056873	0.21992	-0.05356	0.248	0.019895	0.66806	-0.01977	0.67004	0.059356
0.066441	0.1517	0.029331	0.52719	-0.02423	0.60152	-0.05599	0.22715	0.026461
0.047389	0.30682	0.145219	0.00165	-0.01624	0.72629	-0.00098	0.98319	0.076063



0.029263	0.52815	0.073382	0.11326	0.123217	0.00768	0.180144	9.06E-05	0.202635
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0.03755	0.41819	-0.19577	2.04E-05	0.009269	0.84165	-0.0279	0.5475	-0.03582
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0.196494	1.90E-05	0.297828	5.08E-11	0.114797	0.01305	0.239652	1.59E-07	0.053037
0.052541	0.25714	0.089187	0.0541	0.087925	0.05761	0.105458	0.02265	0.109495
0.092755	0.04513	0.068194	0.14117	0.037188	0.42269	0.043307	0.35041	0.022155
0.033139	0.47498	0.063364	0.17162	-0.13741	0.00292	-0.08545	0.06503	-0.07253
0.029196	0.5291	-0.16758	0.00028	0.074827	0.10632	-0.12735	0.00585	0.038662
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0.050184	0.27914	0.01844	0.69103	0.056803	0.22049	0.188652	4.08E-05	-0.0209
0.048656	0.29405	-0.10733	0.02034	0.077793	0.09312	0.031172	0.50159	0.091151
0.073645	0.11198	0.006924	0.88137	0.0153	0.74158	-0.03089	0.50547	-0.00423
-0.12908	0.00521	-0.17945	9.65E-05	-0.24642	6.88E-08	-0.16783	0.00027	-0.17255
0.289653	1.77E-10	-0.04074	0.37969	-0.16999	0.00022	-0.15451	0.00081	-0.10826
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0.111959	0.0155	0.050504	0.27607	0.085234	0.06572	0.08293	0.07339	0.179071
0.043174	0.35189	0.060265	0.19359	-0.00132	0.97725	-0.09103	0.04931	0.063843
0.131111	0.00454	0.084772	0.0672	0.030748	0.50743	0.02146	0.64368	0.047516
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0.103311	0.02558	0.239903	1.54E-07	0.195733	2.05E-05	0.248814	5.08E-08	0.226082
0.214578	2.88E-06	0.101654	0.02805	0.295906	6.84E-11	0.101982	0.02755	0.212051
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0.199176	1.45E-05	0.214794	2.81E-06	0.238348	1.87E-07	0.127022	0.00598	0.305476
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0.104395	0.02406	-0.06767	0.14427	0.124616	0.00701	0.063355	0.17168	0.025512
0.011586	0.80281	0.040702	0.38017	0.212281	3.69E-06	0.204715	8.22E-06	0.133982
0.059671	0.19803	-0.00029	0.99502	0.211293	4.11E-06	0.229297	5.48E-07	0.093738
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0.022651	0.62537	0.012156	0.79332	-0.02478	0.59327	0.087779	0.05803	-0.00908
0.173489	0.00016	0.126982	0.006	0.13218	0.00422	0.109943	0.01747	0.166054
0.01217	0.7931	-0.03714	0.42332	-0.031	0.50399	-0.07472	0.1068	-0.07238
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0.063587	0.17011	0.126122	0.00635	0.164978	0.00034	0.232051	3.97E-07	0.085942
0.166161	0.00031	-0.00727	0.87544	-0.11998	0.00946	-0.12803	0.00559	-0.17489
0.01019	0.82616	0.000411	0.99293	0.034678	0.45469	-0.00933	0.84068	0.099329
0.126706	0.00611	0.09356	0.04329	0.1942	2.38E-05	0.247442	6.05E-08	0.170214
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0.181439	8.04E-05	0.182748	7.12E-05	0.135892	0.00326	0.098371	0.03356	0.199945
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0.248099	5.56E-08	0.011247	0.80847	0.243935	9.39E-08	0.260084	1.17E-08	0.031902
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0.112632	0.01488	-0.00531	0.90881	-0.01079	0.81612	0.000277	0.99524	0.021954
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0.203574	9.25E-06	0.102042	0.02745	0.204688	8.24E-06	0.048626	0.29435	0.232689
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0.074063	0.10995	0.009957	0.83007	-0.07147	0.123	-0.10054	0.02982	-0.14342
-0.06946	0.13391	-0.38975	2.17E-18	-0.03389	0.46506	-0.21931	1.71E-06	-0.16946
0.056369	0.22404	0.046915	0.31169	0.071463	0.12303	0.03921	0.39789	0.139308
0.068316	0.14046	-0.03076	0.5072	-0.07942	0.08646	0.010785	0.8162	-0.09951
0.060303	0.19331	0.085808	0.06391	-0.00942	0.83919	-0.01839	0.69187	-0.0037
0.033139	0.47498	0.148247	0.00131	-0.09439	0.04147	-0.00765	0.86907	0.03113
0.13035	0.00478	0.080243	0.08324	0.032739	0.48032	-0.00984	0.83199	0.074836
0.012346	0.79016	-0.24128	1.30E-07	0.018725	0.68651	-0.04005	0.3878	-0.0115
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0.069048	0.13625	-0.15794	0.00061	-0.04527	0.32902	0.006663	0.88581	-0.02878
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-0.01281	0.78254	-0.0141	0.76113	-0.04099	0.3768	-0.04188	0.36651	0.028772
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0.068436	0.13976	0.001519	0.97388	0.030921	0.50505	-0.02861	0.53747	0.023352
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0.081806	0.07738	-0.13174	0.00435	0.12377	0.00741	-0.00436	0.92509	0.07137
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0.162844	0.00041	0.111842	0.0156	0.14687	0.00146	0.045199	0.32974	0.197107
0.048151	0.2991	0.112275	0.0152	0.125278	0.00671	0.046952	0.3113	0.231485
0.035962	0.43815	0.092148	0.04656	-0.00399	0.93155	-0.00841	0.85609	0.011464
0.169267	0.00024	0.114263	0.01348	0.06492	0.16132	0.009552	0.83688	0.0743
0.147591	0.00138	0.108426	0.01909	0.119147	0.00996	0.037345	0.42073	0.158226
0.044459	0.33773	0.062243	0.17934	-0.00534	0.90835	-0.04626	0.31853	0.090187
0.030538	0.51033	0.059479	0.19948	-0.18941	3.79E-05	-0.04753	0.30539	-0.11272
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0.134102	0.00369	-0.00893	0.84739	0.134647	0.00355	0.029272	0.52804	0.158926
0.04229	0.36184	-0.1218	0.00842	-0.04037	0.38406	-0.02313	0.61802	0.003587
0.102701	0.02647	0.101135	0.02887	-0.06965	0.13287	-0.04032	0.3847	0.082641
0.110816	0.01659	0.097548	0.03508	-0.06998	0.13104	-0.10205	0.02745	0.015611
0.106096	0.02184	0.064409	0.16465	0.193275	2.61E-05	0.166532	0.0003	0.133103
0.011776	0.79964	-0.05176	0.26429	-0.01537	0.74036	0.008978	0.84656	-0.00989
0.084991	0.06649	0.045324	0.3284	0.011875	0.798	-0.05256	0.25693	0.097486
0.079304	0.08692	-0.02508	0.58884	-0.12076	0.00899	-0.14248	0.00202	-0.10916
0.328915	3.04E-13	-0.05818	0.20951	0.202285	1.06E-05	-0.01886	0.68432	0.049259
0.002371	0.95925	0.045644	0.325	-0.20218	1.07E-05	-0.12766	0.00573	-0.14501
-0.17655	0.00013	-0.12764	0.00574	-0.19844	1.56E-05	-0.17114	0.0002	-0.07912
0.129809	0.00496	-0.04315	0.3522	-0.00657	0.88747	-0.09149	0.04816	-0.02734
-0.01923	0.67847	-0.05739	0.21572	0.019592	0.67281	-0.04944	0.28635	0.048999
-0.18822	4.26E-05	-0.26459	6.39E-09	-0.16049	0.0005	-0.27369	1.81E-09	-0.05429
-0.0134	0.77277	-0.12743	0.00582	-0.11955	0.00971	-0.09056	0.05048	-0.1742
-0.0883	0.05654	-0.074	0.11025	-0.03935	0.39615	-0.01964	0.67202	-0.05012
-0.00859	0.85307	-0.01975	0.67033	-0.10506	0.02317	-0.02113	0.64872	-0.0421
-0.19239	2.84E-05	-0.29763	5.24E-11	-0.11168	0.01576	-0.15133	0.00104	-0.2426
0.127216	0.00591	-0.08903	0.05453	-0.0792	0.08732	-0.17138	0.0002	0.06985
0.098876	0.03266	-0.09242	0.04593	0.13741	0.00292	0.164166	0.00037	0.008452
-0.11443	0.01334	-0.11621	0.01197	-0.15863	0.00058	-0.18408	6.29E-05	-0.01754
0.055416	0.23198	0.063535	0.17046	-0.03105	0.50325	-0.03152	0.49681	0.08669
0.011217	0.80896	0.109038	0.01842	0.075279	0.10422	0.057132	0.21783	0.101931
0.100902	0.02924	-0.07151	0.12277	0.069478	0.13382	-0.10258	0.02664	0.153947
0.117183	0.01127	-0.07913	0.08762	0.016158	0.72764	-0.06895	0.13681	0.079071
0.010336	0.82371	-0.03002	0.51759	0.067016	0.14819	0.068027	0.14215	0.015465
0.146611	0.00149	0.032318	0.48599	0.092933	0.04472	0.049068	0.28998	0.070379
0.042242	0.36239	0.032598	0.48221	0.052864	0.25423	-0.00626	0.89263	0.146539
0.101465	0.02835	-0.2929	1.08E-10	0.071708	0.12175	-0.09901	0.03242	0.007356
-0.08606	0.06312	0.127176	0.00592	-0.16149	0.00046	0.038511	0.40637	-0.16444
-0.01716	0.71146	-0.0847	0.06744	-0.05867	0.20565	-0.00856	0.85355	-0.07093
0.013742	0.76708	-0.00168	0.97112	0.008537	0.85401	-0.05421	0.24234	0.138068
0.083187	0.0725	0.08202	0.07661	0.080236	0.08326	0.082396	0.07527	0.114265
-0.18405	6.31E-05	-0.03193	0.49122	-0.04769	0.30373	0.002569	0.95584	0.043344
-0.08957	0.05308	0.223909	1.02E-06	0.098248	0.03379	0.064735	0.16252	0.132793
-0.08888	0.05493	0.027096	0.55916	-0.1819	7.70E-05	-0.02251	0.62746	-0.15277
0.171923	0.00019	-0.01016	0.82674	0.085874	0.06371	-0.02283	0.62272	0.034074
-0.10975	0.01767	-0.26598	5.29E-09	-0.15572	0.00073	-0.244	9.31E-08	-0.1054
0.072554	0.1174	0.074291	0.10886	-0.08327	0.07223	-0.09819	0.0339	-0.06546
-0.00792	0.86442	-0.17946	9.64E-05	-0.1795	9.61E-05	-0.07454	0.10768	-0.2329
-0.11828	0.01052	-0.04997	0.28117	-0.09781	0.03459	0.025647	0.58037	-0.0741
0.121284	0.0087	0.260563	1.10E-08	0.257199	1.72E-08	0.243538	9.86E-08	0.224597
0.1003	0.03022	0.142895	0.00196	0.271681	2.40E-09	0.264623	6.36E-09	0.246583
-0.20344	9.38E-06	-0.1292	0.00517	-0.23708	2.17E-07	-0.12975	0.00498	-0.21655
0.155018	0.00078	0.287544	2.43E-10	0.249364	4.74E-08	0.324197	6.87E-13	0.273843

0.036022	0.43739	0.087529	0.05875	0.066457	0.1516	0.046737	0.31353	0.115914
-0.08563	0.06448	0.039692	0.39211	-0.24838	5.37E-08	-0.06991	0.13141	-0.15071
0.056101	0.22626	0.075348	0.1039	-0.05869	0.20555	-0.05349	0.24862	0.014325
-0.00228	0.96076	0.038279	0.40919	0.064923	0.1613	0.036344	0.4333	-0.00481
0.073499	0.11269	0.026938	0.56145	-0.02603	0.57477	-0.07368	0.11181	0.094333
0.173813	0.00016	0.149008	0.00124	0.283234	4.59E-10	0.217259	2.15E-06	0.217867
0.180998	8.37E-05	0.261947	9.13E-09	0.148131	0.00133	0.362872	5.57E-16	0.165909
-0.03094	0.50475	-0.00228	0.96088	0.059607	0.19851	0.111103	0.01631	0.025172
0.12074	0.00901	0.226319	7.73E-07	-0.09816	0.03395	0.104045	0.02454	-0.11256
0.142843	0.00197	0.075766	0.10199	0.07023	0.12965	-0.03892	0.40141	0.102647
-0.10419	0.02434	0.011192	0.80939	-0.15255	0.00094	-0.09648	0.03713	-0.12501
0.071658	0.12201	0.351476	5.03E-15	0.189805	3.65E-05	0.482344	1.39E-28	0.000235
-0.12928	0.00514	0.119006	0.01005	0.051891	0.26308	0.080904	0.08072	0.085111
-0.14641	0.00151	-0.37567	4.22E-17	-0.25021	4.25E-08	-0.20736	6.23E-06	-0.31662
0.043225	0.35132	0.117134	0.0113	0.004643	0.92028	0.010524	0.82057	0.028975
-0.00037	0.99358	-0.04082	0.37879	-0.0428	0.35613	-0.10453	0.02388	0.034777
-0.06521	0.15947	0.052309	0.25926	0.023131	0.61807	0.035358	0.44589	0.038311
-0.05823	0.20907	-0.20088	1.22E-05	-0.1564	0.00069	-0.17714	0.00012	-0.20631
-0.06628	0.15272	0.005824	0.90011	-0.00729	0.8752	0.077144	0.09589	-0.05797
-0.01705	0.71321	0.031347	0.49918	0.058998	0.20314	0.062429	0.17804	0.043244
0.231328	4.32E-07	0.082246	0.0758	0.207581	6.09E-06	0.093354	0.04376	0.217059
0.218119	1.95E-06	0.104233	0.02428	0.254195	2.54E-08	0.097676	0.03484	0.240266
-0.02559	0.58117	-0.10606	0.02188	0.087322	0.05935	-0.01459	0.75323	-0.02004
-0.12669	0.00612	-0.03903	0.40012	-0.16817	0.00026	-0.13541	0.00337	-0.1134
0.037225	0.42223	0.048129	0.29932	-0.00102	0.98249	-0.07114	0.12472	0.097524
0.210288	4.57E-06	0.069133	0.13576	0.100072	0.0306	-0.02262	0.62591	0.065334
-0.16867	0.00025	-0.03926	0.39724	-0.12707	0.00596	-0.03747	0.41924	-0.14572
0.015312	0.74138	-0.09968	0.03126	0.069725	0.13243	0.017152	0.71161	0.015704
-0.08941	0.05351	-0.06265	0.17649	-0.10514	0.02306	-0.12424	0.00718	-0.06752
-0.06565	0.15667	-0.17697	0.00012	-0.10188	0.0277	-0.14743	0.0014	-0.1347
-0.06379	0.16878	-0.1863	5.11E-05	-0.09155	0.048	-0.13911	0.00259	-0.10801
-0.23088	4.55E-07	-0.11454	0.01326	-0.11483	0.01302	-0.04388	0.34409	-0.05073
0.054159	0.24277	-0.16583	0.00032	-0.00662	0.88657	-0.22753	6.73E-07	-0.10001
0.064563	0.16364	0.361323	7.55E-16	-0.01409	0.76135	0.179399	9.69E-05	-0.0447
-0.07477	0.10661	-0.14128	0.00221	0.106743	0.02105	0.080503	0.08224	-0.0602
0.210912	4.28E-06	0.064736	0.16251	0.265026	6.02E-09	0.210953	4.26E-06	0.226349
0.214049	3.05E-06	0.203598	9.23E-06	0.248741	5.13E-08	0.274684	1.57E-09	0.222382
0.014664	0.75196	-0.03281	0.47934	-0.0385	0.40649	-0.05077	0.27353	-0.04134
0.247298	6.16E-08	0.183524	6.63E-05	0.169191	0.00024	0.167346	0.00028	0.165577
-0.1504	0.00111	-0.05259	0.25671	-0.09831	0.03367	0.08835	0.05641	-0.2076
-0.30143	2.89E-11	-0.17819	0.00011	-0.29541	7.38E-11	-0.19428	2.36E-05	-0.23109
0.085766	0.06404	0.180402	8.84E-05	0.135439	0.00336	0.196947	1.81E-05	0.086196
-0.04992	0.28169	-0.18846	4.16E-05	-0.09898	0.03247	-0.11235	0.01513	-0.16319
0.023105	0.61846	-0.10141	0.02843	0.092759	0.04512	0.000405	0.99303	0.014847
0.068923	0.13696	0.096955	0.03621	0.173046	0.00017	0.123265	0.00766	0.095095

-0.00787	0.86533	-0.04053	0.38218	0.067773	0.14365	0.033416	0.47128	0.090143
-0.05727	0.21672	0.00211	0.96373	-0.16395	0.00037	-0.12655	0.00617	-0.07212
-0.11643	0.0118	-0.04214	0.36355	-0.07456	0.10757	-0.08823	0.05674	-0.09817
-0.00761	0.86965	0.030575	0.50983	0.071452	0.12309	0.033029	0.47644	0.05272
0.144909	0.00169	0.15324	0.00089	0.103617	0.02514	0.015595	0.73677	0.190406
-0.02714	0.55854	0.030277	0.51396	0.112767	0.01476	0.096993	0.03614	0.112218
0.147094	0.00143	0.051407	0.26757	0.212544	3.59E-06	0.141218	0.00222	0.161166
0.064227	0.16585	-0.00763	0.8694	0.016269	0.72584	-0.01337	0.77324	0.034668
-0.12508	0.0068	-0.11345	0.01417	-0.14777	0.00136	-0.08359	0.07111	-0.1439
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0.066443	0.15169	-0.05814	0.20978	0.049725	0.28356	-0.10904	0.01842	0.046164
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0.043618	0.34695	0.075336	0.10396	0.123279	0.00765	0.006492	0.88873	0.197666
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0.026975	0.56092	-0.048	0.30061	0.009587	0.8363	-0.04955	0.28531	-0.03036
-0.17172	0.00019	-0.16019	0.00051	-0.19229	2.87E-05	-0.14025	0.00238	-0.10164
0.069529	0.13353	0.144306	0.00177	-0.0423	0.3617	0.059971	0.19577	-0.01679
0.131736	0.00435	0.181039	8.34E-05	0.115122	0.0128	0.123599	0.00749	0.048658
0.173964	0.00016	-0.2025	1.03E-05	-0.14038	0.00236	-0.24274	1.09E-07	-0.06582
0.247538	5.97E-08	0.226157	7.88E-07	0.150886	0.00107	0.20412	8.74E-06	0.185034
0.034435	0.45787	0.083992	0.06977	0.004816	0.91734	-0.02818	0.54355	0.001037
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0.04521	0.32962	0.016805	0.71719	0.130441	0.00475	-0.019	0.68218	0.168027
0.077734	0.09337	0.214394	2.94E-06	0.041955	0.36566	0.130044	0.00488	0.082709
0.027908	0.54744	-0.00811	0.8613	-0.02934	0.52701	-0.0335	0.47013	-0.022
-0.19539	2.12E-05	-0.02294	0.62103	-0.08786	0.05779	-0.03936	0.3961	-0.04164
0.099697	0.03124	0.002548	0.9562	0.038873	0.40196	0.021999	0.63537	0.017015
0.001229	0.97886	0.073282	0.11376	0.054002	0.24413	0.082302	0.0756	0.081216
-0.18106	8.32E-05	-0.08864	0.05561	-0.24758	5.94E-08	-0.13462	0.00356	-0.09413
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0.022156	0.63295	0.117678	0.01093	0.012231	0.79207	-0.0004	0.99311	0.164747
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0.028946	0.53263	0.019623	0.67232	0.015993	0.73032	0.033226	0.47382	-0.00812
0.02742	0.55447	-0.04101	0.37653	-0.07364	0.11202	-0.03362	0.46852	-0.11326
0.003475	0.94029	-0.06552	0.1575	-0.10968	0.01774	-0.04656	0.31534	-0.13493
0.063535	0.17046	0.106272	0.02162	0.037547	0.41822	0.002854	0.95095	0.115889
-0.05311	0.25203	0.044846	0.33354	-0.05706	0.2184	0.017012	0.71386	0.060564
-0.09752	0.03513	0.029745	0.52138	-0.10218	0.02725	-0.05969	0.19789	-0.10636
-0.019	0.68211	0.24643	6.87E-08	0.094931	0.0403	0.144084	0.0018	0.107105
0.14175	0.00214	-0.00827	0.85853	0.024551	0.59666	-0.07694	0.09679	0.052026
0.030339	0.51309	0.033854	0.46549	0.10041	0.03004	0.050535	0.27578	0.137125

0.180092	9.10E-05	0.076385	0.09921	-0.05698	0.21906	-0.05877	0.20491	0.090834
0.07929	0.08697	0.21843	1.89E-06	0.014339	0.75728	0.133321	0.0039	0.107161
-0.17398	0.00016	-0.13897	0.00261	-0.27986	7.51E-10	-0.19896	1.48E-05	-0.2319
-0.08401	0.06971	0.02158	0.64183	-0.01166	0.80163	0.080994	0.08038	-0.0423
-0.04957	0.2851	0.026759	0.56406	0.037735	0.4159	0.085294	0.06553	0.012765
0.050453	0.27656	-0.15431	0.00082	0.041657	0.36908	0.027259	0.5568	-0.04412
0.097943	0.03435	0.056737	0.22103	0.013089	0.77786	0.097989	0.03426	-0.02225
0.133024	0.00398	0.022734	0.62411	0.046599	0.31496	0.103847	0.02482	-0.0192
0.183212	6.82E-05	0.108843	0.01863	0.207518	6.13E-06	0.187592	4.52E-05	0.189003
0.125837	0.00647	0.009196	0.84289	0.071521	0.12273	0.078056	0.09202	0.029944
-0.03252	0.4832	-0.02588	0.57699	-0.01107	0.81146	0.012206	0.79249	-0.00469
0.186932	4.81E-05	0.036881	0.42654	0.015694	0.73517	0.018292	0.69338	-0.00596
-0.06056	0.19144	-0.03638	0.43279	-0.08963	0.05291	-0.06842	0.13986	-0.05022
-0.0563	0.22458	0.019151	0.67976	-0.06811	0.14164	-0.03984	0.39033	-0.03509
0.020881	0.65266	0.106652	0.02116	-0.08507	0.06624	-0.07402	0.11016	-0.0275
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-0.10983	0.01758	-0.06115	0.1871	-0.07512	0.10495	-0.05742	0.21549	-0.06156
0.155624	0.00074	0.138866	0.00263	0.023789	0.60811	0.069089	0.13601	0.127986
0.03897	0.40079	0.063887	0.16811	0.163266	0.0004	0.111889	0.01556	0.08313
0.025394	0.58411	0.015985	0.73044	0.066449	0.15166	0.107158	0.02055	0.062995
-0.08486	0.06693	-0.01859	0.6887	-0.06971	0.13251	-0.0358	0.44021	-0.04529
-0.00142	0.97567	-0.00363	0.93766	0.110789	0.01661	0.154783	0.00079	0.074616
0.024897	0.59149	0.099256	0.03199	0.047945	0.30118	0.071332	0.12372	0.057875
-0.14391	0.00182	-0.21655	2.32E-06	-0.20798	5.84E-06	-0.29599	6.76E-11	-0.22687
0.17799	0.00011	0.160457	0.0005	0.149305	0.00121	0.09682	0.03647	0.124598
0.121783	0.00843	0.140774	0.00229	0.212872	3.46E-06	0.094823	0.04053	0.163122
0.101303	0.0286	0.435718	4.64E-23	0.174278	0.00015	0.421827	1.43E-21	0.170075
-0.0009	0.98449	0.027603	0.55183	-0.08885	0.05501	-0.14307	0.00194	-0.06989
0.092283	0.04624	-0.02542	0.58376	0.115252	0.01269	-0.00222	0.96176	0.158541
0.110993	0.01641	-0.00826	0.85873	0.06138	0.18546	0.002083	0.9642	0.086648
-0.0714	0.12339	-0.12988	0.00494	-0.30245	2.47E-11	-0.25158	3.57E-08	-0.2026
-0.00416	0.92849	-0.19492	2.22E-05	0.058345	0.2082	0.01515	0.74402	-0.01491
-0.09945	0.03165	-0.01648	0.72245	-0.07258	0.11725	-0.05733	0.21626	0.003905
0.029991	0.51794	-0.21453	2.90E-06	-0.04873	0.29327	-0.20732	6.26E-06	-0.10386
-0.01751	0.70583	0.028743	0.53552	0.055342	0.23261	0.093331	0.04381	-0.01897
0.041422	0.37179	-0.09595	0.0382	-0.08561	0.06454	-0.13138	0.00446	-0.07065
0.011826	0.79881	-0.09641	0.03728	-0.12473	0.00696	-0.08709	0.06002	-0.13195
0.203288	9.53E-06	0.080044	0.084	0.11802	0.01069	0.157866	0.00062	0.070418
-0.01955	0.67343	0.043482	0.34846	0.151375	0.00103	0.110144	0.01726	0.241545
-0.02388	0.60672	0.170951	0.00021	-0.08638	0.06216	0.030817	0.50648	-0.11903
0.145609	0.0016	0.200259	1.30E-05	0.102401	0.02691	0.059404	0.20004	0.225277
-0.01705	0.7133	-0.06299	0.17416	-0.0938	0.04276	-0.13057	0.00471	0.011337
0.10778	0.01982	0.011037	0.81198	0.128651	0.00536	0.043943	0.34337	0.107784
0.010406	0.82254	-0.05797	0.21116	-0.06744	0.14562	-0.04878	0.29279	0.012345
0.042407	0.36051	-0.0362	0.43512	0.059004	0.2031	0.080811	0.08107	0.06627

0.227334	6.88E-07	0.011861	0.79822	0.173059	0.00017	0.107697	0.01992	0.10326
0.061527	0.18441	-0.04192	0.36604	0.015196	0.74327	-0.07326	0.11389	-0.03423
-0.13795	0.00281	-0.19219	2.90E-05	-0.32161	1.07E-12	-0.19121	3.19E-05	-0.23432
-0.00699	0.88033	-0.05353	0.24832	-0.03927	0.39721	-0.05605	0.22668	-0.05515
-0.07939	0.08656	-0.05936	0.20041	-0.01792	0.69927	-0.00134	0.97695	0.031522
-0.04645	0.3165	-0.14257	0.00201	0.017718	0.70254	-0.05246	0.25792	0.087161
0.043859	0.34429	-0.02464	0.59528	0.095637	0.03883	-0.00934	0.84038	0.094772
0.179903	9.26E-05	0.064871	0.16164	0.150214	0.00113	0.063064	0.17367	0.109124
0.04702	0.31061	0.060424	0.19241	0.06231	0.17888	-0.00078	0.98655	0.118207
0.109322	0.01812	0.054592	0.23901	0.143101	0.00193	0.062832	0.17526	0.09442
0.010659	0.81831	-0.02638	0.56962	0.01132	0.80724	-0.05314	0.25172	0.019676
-0.09652	0.03707	-0.07294	0.11544	-0.05679	0.22063	-0.05631	0.22453	-0.0552
-0.09297	0.04464	-0.05654	0.22268	-0.07481	0.1064	-0.02541	0.58393	-0.05858
-0.01483	0.7492	-0.2257	8.30E-07	-0.12017	0.00934	-0.13204	0.00426	-0.12187
0.143591	0.00187	0.048091	0.2997	-0.03354	0.46962	0.037926	0.41354	-0.03225
-0.01954	0.6737	0.042942	0.35448	-0.13949	0.00252	-0.16414	0.00037	-0.01826
0.092417	0.04593	0.021315	0.64591	0.062218	0.17952	0.14747	0.00139	-0.05574
-0.0541	0.24324	-0.11126	0.01616	0.165831	0.00032	0.010193	0.82611	0.141577
0.236033	2.47E-07	-0.04197	0.36546	0.080418	0.08256	0.018161	0.69546	-0.01723
-0.07317	0.11431	-0.30896	8.70E-12	0.019106	0.68047	-0.04783	0.30238	-0.07821
-0.07166	0.12199	-0.01355	0.77025	0.044785	0.3342	0.074125	0.10965	-0.06277
-0.03557	0.44316	0.02259	0.62631	-0.07457	0.10751	-0.01271	0.78405	-0.00931
0.091505	0.04812	0.156955	0.00066	0.306939	1.21E-11	0.25684	1.80E-08	0.270728
0.420109	2.15E-21	0.166807	0.00029	0.124861	0.0069	0.108829	0.01865	0.139996
0.136332	0.00316	0.133351	0.00389	0.074081	0.10986	0.008597	0.85301	0.066855
-0.09128	0.04869	-0.07264	0.11696	-0.1176	0.01098	-0.0789	0.08854	-0.06577
0.08083	0.081	0.063659	0.16963	-0.02396	0.60547	-0.00471	0.91908	-0.03833
0.281528	5.89E-10	0.208332	5.63E-06	0.21394	3.09E-06	0.163704	0.00038	0.036662
-0.22744	6.80E-07	-0.13851	0.0027	-0.20055	1.26E-05	-0.17193	0.00019	-0.20633
-0.07537	0.10379	0.004182	0.92817	-0.1577	0.00063	-0.13537	0.00338	-0.11015
0.047242	0.30832	0.173847	0.00016	-0.10905	0.0184	-0.0632	0.17275	-0.05069
0.116007	0.01212	0.203555	9.27E-06	-0.09926	0.03199	-0.05896	0.20341	-0.0037
-0.12539	0.00666	-0.03159	0.4959	0.025699	0.57961	0.074651	0.10715	0.027467
-0.04293	0.35465	0.01003	0.82886	-0.01922	0.67863	-0.04789	0.3017	0.039985
0.016871	0.71613	-0.04819	0.2987	0.09479	0.0406	0.051591	0.26586	0.044294
-0.12744	0.00582	-0.12074	0.00901	-0.0123	0.79101	-0.07614	0.10031	0.054837
0.213629	3.19E-06	0.112094	0.01537	0.219863	1.61E-06	0.051855	0.26342	0.260168
0.044975	0.33214	0.015209	0.74306	-0.08151	0.07846	-0.05037	0.27732	0.035193
0.028782	0.53497	0.093406	0.04364	-0.00502	0.91382	-0.05042	0.2769	0.103696
-0.07913	0.08763	-0.01969	0.67134	0.17217	0.00019	0.06781	0.14343	0.182437
-0.23874	1.78E-07	-0.09333	0.04381	-0.05011	0.27985	-0.0287	0.53619	-0.03238
-0.08414	0.06927	-0.0992	0.03209	-0.13344	0.00387	-0.17533	0.00014	-0.10874
0.033817	0.46598	0.108914	0.01856	0.107899	0.01969	0.020957	0.65147	0.204064
-0.01386	0.76519	0.009904	0.83097	0.075698	0.1023	0.035623	0.44249	0.063602
-0.02505	0.58915	0.052708	0.25563	-0.00387	0.93345	-0.07405	0.11001	0.100424

-0.12165	0.0085	-0.11737	0.01113	-0.10374	0.02496	-0.08836	0.05637	-0.12739
0.246695	6.64E-08	-0.01711	0.71225	0.06524	0.15926	-0.01035	0.82344	0.105436
0.024043	0.60427	0.084092	0.06943	0.08991	0.05217	0.060629	0.19091	0.193641
0.201004	1.20E-05	0.035312	0.44649	0.141872	0.00212	0.132945	0.004	0.118227
-0.01912	0.68027	0.03132	0.49956	-0.08286	0.07365	-0.17151	0.0002	0.057099
-0.0452	0.32977	0.025517	0.5823	-0.10548	0.02263	-0.04271	0.35707	-0.06856
0.068964	0.13672	0.104781	0.02354	-0.01365	0.76853	-0.00064	0.98903	0.004104
-0.04922	0.28851	-0.02153	0.64261	-0.11572	0.01234	-0.09939	0.03176	-0.11404
0.026009	0.57504	-0.0078	0.86642	0.046044	0.32077	0.025888	0.57682	0.011632
0.040432	0.38334	0.095443	0.03924	0.08173	0.07766	0.018265	0.69381	0.149725
0.001673	0.97123	-0.02325	0.61631	0.031535	0.49662	0.011706	0.80081	-0.00432
-0.12001	0.00943	-0.11837	0.01046	-0.1575	0.00064	-0.13795	0.00281	-0.08546
-0.16737	0.00028	-0.19273	2.75E-05	-0.30893	8.74E-12	-0.30483	1.69E-11	-0.27799
0.020028	0.66597	-0.1064	0.02147	0.082253	0.07578	0.005623	0.90354	0.062774
0.390308	1.92E-18	0.01427	0.75842	-0.00373	0.93588	-0.00653	0.88814	0.051491
-0.14799	0.00134	-0.16428	0.00036	-0.14007	0.00241	-0.08998	0.05198	-0.14188
0.027629	0.55145	0.013287	0.77458	0.017012	0.71387	0.042786	0.35624	0.120852
0.215582	2.58E-06	-0.03377	0.46662	-0.05283	0.25457	-0.08826	0.05666	-0.02896
0.272159	2.25E-09	0.07659	0.09831	-0.06059	0.19121	-0.06617	0.15337	-0.03884
0.336806	7.52E-14	0.113448	0.01417	-0.04704	0.31038	-0.03402	0.46332	-0.01788
-0.08771	0.05822	-0.28199	5.51E-10	-0.20616	7.07E-06	-0.37692	3.27E-17	-0.14394
-0.03847	0.40689	-0.06701	0.1482	-0.07647	0.09885	-0.07664	0.09807	-0.11743
-0.08527	0.06562	-0.28936	1.85E-10	0.009239	0.84216	-0.1358	0.00328	0.017633
0.239467	1.63E-07	-0.07631	0.09954	0.058529	0.20676	-0.11281	0.01472	0.077419
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0.269015	3.48E-09	0.09068	0.05018	0.160012	0.00052	0.148288	0.00131	0.13734
0.083423	0.07169	0.221954	1.27E-06	0.057058	0.21842	0.234273	3.05E-07	0.034694
0.161919	0.00044	0.165873	0.00032	0.226357	7.70E-07	0.246293	6.99E-08	0.105611
-0.09031	0.05114	-0.14296	0.00195	-0.12033	0.00924	-0.15443	0.00081	-0.11825
-0.15232	0.00096	-0.0548	0.23724	-0.17113	0.0002	-0.08466	0.06755	-0.1105
0.009557	0.83681	0.149082	0.00123	-0.05694	0.21939	0.028838	0.53417	-0.0338
0.255372	2.18E-08	0.090738	0.05004	0.250326	4.19E-08	0.154779	0.00079	0.186246
0.257316	1.69E-08	-0.01836	0.69225	0.060246	0.19373	0.089284	0.05384	0.059272
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0.06782	0.14337	0.060369	0.19282	0.022244	0.63161	-0.02986	0.51982	0.098982
0.029727	0.52163	0.052729	0.25544	0.173719	0.00016	0.135331	0.00339	0.191623
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0.047788	0.30276	0.037774	0.41542	0.054739	0.23775	0.018589	0.68866	0.046014
0.052249	0.2598	0.031109	0.50245	0.118657	0.01028	0.091826	0.04734	0.144268
0.003509	0.93972	-0.02595	0.57589	-0.12759	0.00576	-0.15564	0.00074	-0.0686
-0.07527	0.10424	0.023125	0.61816	0.022044	0.63468	0.044163	0.34096	0.13118
0.019299	0.67742	0.018532	0.68957	0.102927	0.02613	0.071981	0.12034	0.128105
0.107653	0.01997	0.137612	0.00288	0.139461	0.00252	0.117818	0.01083	0.169827
0.050287	0.27815	0.067621	0.14455	0.105994	0.02197	0.059971	0.19578	0.126835



0.036656	0.42936	0.11999	0.00945	-0.03911	0.39913	0.081045	0.08019	-0.07592
0.132828	0.00403	0.240082	1.51E-07	0.164707	0.00035	0.143666	0.00186	0.13902
0.102015	0.0275	-0.04731	0.30767	0.187913	4.38E-05	0.156704	0.00068	0.001622
0.062783	0.17559	0.067925	0.14275	0.14182	0.00213	0.058951	0.2035	0.08835
0.14308	0.00194	0.159398	0.00055	0.084438	0.06829	0.04203	0.3648	0.162573
0.054133	0.24299	0.054998	0.23553	0.030686	0.50828	0.05369	0.24688	0.028028
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0.092778	0.04508	0.140141	0.0024	0.003559	0.93885	0.002607	0.9552	0.119638
0.148558	0.00128	0.093881	0.04258	0.145632	0.0016	0.034759	0.45363	0.244869
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0.027315	0.55599	0.018752	0.68608	0.010526	0.82053	-0.00076	0.98689	0.01708
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0.022175	0.63266	0.152248	0.00096	0.121226	0.00873	0.090181	0.05147	0.140573
0.07638	0.09924	0.041652	0.36914	-0.09477	0.04064	-0.09948	0.03161	-0.02571
0.087683	0.0583	0.141548	0.00217	0.062842	0.17519	0.048274	0.29786	0.129736
0.026871	0.56243	-0.00065	0.98877	0.022111	0.63364	-0.02106	0.64985	0.058998
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0.14129	0.00221	-0.04883	0.29231	0.011912	0.79739	0.015821	0.7331	-0.00747
0.158845	0.00057	0.078983	0.08821	0.13317	0.00394	0.077166	0.0958	0.170656
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0.336527	7.90E-14	0.452156	6.53E-25	0.2799	7.46E-10	0.421126	1.69E-21	0.136597
0.140976	0.00226	0.200188	1.31E-05	0.006304	0.89193	0.05447	0.24007	0.048568
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0.107742	0.01987	0.13592	0.00325	0.074129	0.10963	0.03174	0.49382	0.109507
0.064264	0.1656	0.039648	0.39264	0.010877	0.81465	-0.0235	0.61254	0.077323
0.194886	2.23E-05	0.027417	0.55451	0.156248	0.0007	0.011121	0.81057	0.212192
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0.097303	0.03555	0.080667	0.08161	0.008768	0.85011	0.015844	0.73273	0.01363
-0.04973	0.28355	-0.09471	0.04077	-0.03938	0.3959	-0.16852	0.00025	0.013964
-0.15479	0.00079	-0.07412	0.10966	-0.15727	0.00065	-0.12816	0.00554	-0.15137
0.043713	0.3459	0.092864	0.04488	0.136748	0.00306	0.081858	0.0772	0.154828
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0.076061	0.10066	0.091211	0.04885	0.13473	0.00353	0.150576	0.0011	0.102312
-0.1718	0.00019	-0.21253	3.59E-06	-0.26971	3.16E-09	-0.13089	0.00461	-0.23942

-0.01686	0.71634	0.019981	0.66671	0.011096	0.81099	-0.05499	0.23562	-0.03407
-0.03596	0.43819	-0.04813	0.2993	-0.13488	0.0035	-0.07876	0.0891	-0.10607
0.116907	0.01146	-0.03079	0.50689	0.047147	0.3093	-0.01486	0.74882	0.002459
0.217166	2.17E-06	0.078311	0.09096	0.149639	0.00118	0.091293	0.04864	0.178728
0.075917	0.10131	-0.00508	0.91285	-0.22269	1.17E-06	-0.08547	0.06499	-0.14981
-0.03223	0.48723	-0.02736	0.5553	-0.01573	0.7345	0.058766	0.20493	-0.00331
0.119685	0.00963	-0.01868	0.68716	0.106917	0.02084	0.03178	0.49327	0.078882
0.002877	0.95055	0.063752	0.16901	0.144844	0.0017	0.104054	0.02453	0.085132
0.037218	0.42232	0.028499	0.53899	0.063599	0.17003	0.038476	0.40679	0.064154
0.023662	0.61002	-0.16125	0.00047	0.139775	0.00247	-0.03492	0.45152	0.140882
0.012576	0.78636	0.026326	0.57038	-0.20414	8.72E-06	-0.06897	0.13666	-0.18398
0.078214	0.09136	0.103705	0.02502	-0.0295	0.5248	-0.0034	0.94164	0.013908
-0.13213	0.00423	-0.01947	0.67476	0.044562	0.3366	0.026748	0.56423	0.137729
0.229667	5.25E-07	0.099931	0.03084	0.166205	0.00031	0.044187	0.3407	0.166279
0.189194	3.88E-05	0.135599	0.00332	0.006829	0.88299	-0.0869	0.0606	0.16425
0.073531	0.11253	0.090955	0.04949	-0.06435	0.16506	-0.0592	0.20157	0.05951
-0.06539	0.15831	-0.13743	0.00292	-0.00703	0.87949	-0.06057	0.19132	-0.03312
-0.07952	0.08606	-0.31538	3.04E-12	-0.15923	0.00055	-0.17256	0.00018	-0.29458
-0.09881	0.03278	-0.10496	0.0233	-0.06464	0.16312	-0.08581	0.06392	-0.03481
0.022822	0.62276	0.050423	0.27685	0.163214	0.0004	0.068933	0.1369	0.105088
-0.02262	0.62587	-0.03154	0.49654	-0.17466	0.00015	-0.0742	0.10927	-0.1245
0.017691	0.70297	0.003534	0.9393	0.019744	0.67042	-0.00259	0.95543	0.021306
-0.14073	0.0023	-0.1589	0.00057	-0.06301	0.17401	-0.07897	0.08825	0.007763
0.06855	0.1391	0.11541	0.01257	-0.08287	0.07359	-0.06197	0.18124	0.101311
-0.02523	0.58649	-0.07242	0.11809	-0.02778	0.54932	-0.05149	0.26679	0.056938
-0.05431	0.24145	-0.07976	0.08512	-0.04941	0.28667	-0.10598	0.02199	-0.03736
-0.00733	0.87452	-0.03972	0.39177	-0.09224	0.04635	-0.04532	0.32841	-0.09459
-0.07974	0.08518	-0.04054	0.38207	-0.03334	0.47234	-0.05009	0.28005	0.078538
-0.07079	0.12661	-0.24154	1.26E-07	-0.21647	2.34E-06	-0.2319	4.04E-07	-0.17559
0.345401	1.57E-14	-0.12461	0.00701	-0.20249	1.03E-05	-0.24134	1.29E-07	-0.11722
-0.14471	0.00172	0.007495	0.87168	0.009248	0.84201	0.032389	0.48502	0.042538
0.06952	0.13358	0.045025	0.33161	-0.03797	0.41299	-0.00049	0.9916	-0.03003
-0.19145	3.12E-05	-0.13087	0.00461	-0.24916	4.86E-08	-0.20198	1.09E-05	-0.21268
-0.02987	0.51966	0.03602	0.43742	-0.01973	0.67063	-0.02374	0.60882	0.027964
-0.03669	0.42892	0.056569	0.2224	-0.03088	0.50558	-0.0421	0.364	-0.01042
-0.13242	0.00415	-0.02454	0.5968	-0.10133	0.02857	-0.03555	0.44348	-0.03483
-0.06794	0.14268	0.069059	0.13618	-0.18573	5.39E-05	0.044914	0.3328	-0.11219
-0.04765	0.30414	-0.02996	0.51835	-0.04357	0.34744	-0.07435	0.10857	-0.0145
0.036163	0.4356	0.120464	0.00917	0.058266	0.20882	0.033226	0.47381	0.109631
-0.06916	0.13563	-0.0135	0.77103	-0.00678	0.88382	-0.02681	0.56339	0.003068
-0.11449	0.0133	-0.18996	3.60E-05	-0.13394	0.00373	-0.08362	0.07103	-0.21371
-0.06874	0.13801	-0.01216	0.79318	-0.07424	0.1091	-0.0936	0.0432	-0.00055
-0.07076	0.12677	-0.03139	0.49858	-0.11158	0.01585	-0.12383	0.00738	0.012654
-0.07128	0.12402	-0.06709	0.14774	-0.09907	0.03232	-0.09729	0.03557	-0.07294
0.100231	0.03034	0.000464	0.99201	0.009148	0.84369	0.024805	0.59287	-0.06179

0.009954	0.83012	-0.03176	0.49359	0.011643	0.80186	-0.06361	0.16996	0.007656
0.242515	1.12E-07	0.163585	0.00039	0.202501	1.03E-05	0.143457	0.00188	0.192555
0.281882	5.60E-10	0.289415	1.84E-10	0.331685	1.87E-13	0.334843	1.07E-13	0.244756
0.142455	0.00203	0.133551	0.00384	0.135908	0.00325	0.069758	0.13225	0.119523
-0.25073	3.98E-08	-0.19638	1.92E-05	-0.26814	3.93E-09	-0.31148	5.78E-12	-0.21833
0.087131	0.05991	0.022991	0.62019	0.004234	0.92729	-0.03795	0.41321	0.065005
0.026242	0.57162	-0.00308	0.94711	0.001955	0.96639	-0.01174	0.80021	0.015639
0.10964	0.01778	0.131628	0.00438	0.034331	0.45922	0.007805	0.86641	0.064328
0.107026	0.02071	0.133174	0.00394	0.060636	0.19086	0.035955	0.43825	0.077826
0.107579	0.02005	0.152983	0.00091	0.085847	0.06379	0.062127	0.18016	0.094786
0.041999	0.36516	0.028989	0.53204	0.035964	0.43813	-0.03492	0.45152	0.067968
0.006825	0.88305	0.087494	0.05885	-0.02343	0.61359	0.027335	0.5557	-0.03503
0.002204	0.96212	0.000572	0.99017	0.017419	0.70733	-0.00473	0.91877	0.059293
0.055808	0.2287	0.056842	0.22018	0.050989	0.27148	-0.00186	0.96799	0.079077
0.028491	0.53911	0.039413	0.39545	0.042869	0.35531	-0.0163	0.72542	0.022695
0.067839	0.14326	0.084089	0.06944	0.064636	0.16316	0.041006	0.37661	0.089216
0.099333	0.03186	0.102952	0.0261	0.039522	0.39415	0.042642	0.35786	0.061859
0.035705	0.44144	0.10396	0.02466	0.05523	0.23356	0.065206	0.15948	0.053645
0.220945	1.42E-06	0.131306	0.00448	0.110225	0.01718	0.13699	0.00301	0.101992
0.027389	0.55492	-0.08777	0.05805	-0.1424	0.00204	-0.10107	0.02898	-0.11524
0.159562	0.00054	0.314003	3.81E-12	0.121519	0.00857	0.194406	2.33E-05	0.136787
0.198107	1.61E-05	-0.08771	0.05822	0.111183	0.01623	0.021004	0.65074	0.118477
0.11236	0.01513	0.079433	0.0864	0.142936	0.00196	0.125723	0.00652	0.110983
0.10639	0.02148	0.104703	0.02365	0.037683	0.41654	0.049398	0.28675	0.043122
0.002827	0.95142	0.0795	0.08614	-0.00147	0.97476	0.030983	0.50418	-0.02267
0.150883	0.00107	0.368179	1.94E-16	-0.02612	0.57346	0.039336	0.39638	0.103567
0.077317	0.09515	-0.00953	0.83732	-0.00113	0.98057	-0.04103	0.37632	0.013308
-0.01731	0.70901	-0.0029	0.95022	0.003882	0.93332	0.014767	0.75027	-0.01063
-0.07149	0.12289	-0.05096	0.27171	-0.05593	0.22771	-0.09724	0.03567	0.028188
0.116883	0.01148	0.151677	0.00101	0.1214	0.00864	0.125135	0.00678	0.111537
0.116067	0.01207	0.036464	0.43178	0.104991	0.02326	0.023302	0.61548	0.085686
-0.02719	0.55783	-0.01713	0.71196	0.059744	0.19747	0.063425	0.17121	0.058042
0.01431	0.75776	-0.03351	0.47008	0.000265	0.99545	-0.02373	0.60892	-0.05555
0.089086	0.05438	0.027902	0.54753	0.032646	0.48157	0.029132	0.53	0.06254
-0.00192	0.96707	-0.23717	2.15E-07	-0.03277	0.47989	-0.00359	0.9384	-0.13912
0.120971	0.00888	0.181424	8.05E-05	0.126564	0.00617	0.034673	0.45476	0.147648
0.065	0.1608	0.195908	2.01E-05	0.016796	0.71734	0.036899	0.42631	0.024625
0.071324	0.12377	0.007372	0.87376	0.193835	2.47E-05	0.168347	0.00026	0.182808
-0.0869	0.06061	0.002228	0.9617	-0.10348	0.02533	-0.07318	0.11428	-0.03053
-0.06041	0.19253	-0.13453	0.00358	-0.05738	0.21587	-0.08256	0.07468	-0.08918
0.089721	0.05267	0.114628	0.01319	0.236198	2.42E-07	0.182358	7.39E-05	0.179674
-0.13458	0.00357	-0.1506	0.0011	-0.13408	0.0037	-0.13135	0.00446	-0.12667
-0.15648	0.00069	-0.38704	3.88E-18	-0.19782	1.66E-05	-0.31754	2.12E-12	-0.24664
-0.05926	0.20112	-0.1467	0.00148	-0.07386	0.11094	-0.15708	0.00066	-0.06587
0.049409	0.28664	0.022538	0.6271	0.010774	0.81637	-0.01259	0.78605	0.00268

0.087612	0.05851	0.109317	0.01812	0.13499	0.00347	0.119507	0.00974	0.114446
0.062988	0.17418	0.077436	0.09464	0.073937	0.11056	0.074139	0.10959	0.079683
-0.08511	0.0661	-0.08958	0.05305	-0.03534	0.4461	-0.01739	0.70786	-0.04055
0.191931	2.97E-05	0.241628	1.25E-07	0.102354	0.02698	0.212008	3.80E-06	0.082103
-0.01855	0.68935	0.074868	0.10613	-0.17425	0.00015	-0.09589	0.03831	-0.08635
0.175999	0.00013	0.228621	5.93E-07	0.234552	2.95E-07	0.206508	6.82E-06	0.181676
-0.03192	0.49133	-0.07291	0.11559	-0.03177	0.49344	-0.05514	0.23431	-0.04619
-0.0346	0.45569	-0.14151	0.00217	-0.06788	0.14304	-0.13233	0.00418	-0.1004
-0.01317	0.77646	-0.01164	0.80195	0.017154	0.71158	-0.01562	0.73645	-0.0083
0.095306	0.03952	0.072231	0.11905	0.174006	0.00016	0.101902	0.02767	0.110597
0.101906	0.02766	0.195212	2.15E-05	0.042419	0.36038	0.121462	0.0086	0.032647
-0.00876	0.85032	0.13163	0.00438	-0.03073	0.50763	0.04299	0.35394	0.023833
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0.124909	0.00688	0.163012	0.0004	0.190719	3.35E-05	0.167453	0.00028	0.162098
0.025851	0.57736	-0.05635	0.22416	0.008675	0.85168	-0.05052	0.27589	0.008725
-0.01567	0.73549	-0.03397	0.46401	-0.05955	0.19896	-0.04033	0.38455	-0.06681
0.024785	0.59317	-0.04049	0.38267	-0.02086	0.65292	-0.01979	0.66965	0.002401
-0.0114	0.8059	-0.15083	0.00108	-0.06422	0.16593	-0.18165	7.89E-05	-0.13863
0.081627	0.07804	-0.08274	0.07407	0.085576	0.06464	0.057471	0.2151	0.012966
0.284384	3.88E-10	0.200233	1.30E-05	0.33561	9.31E-14	0.272984	2.00E-09	0.25335
0.204467	8.43E-06	0.173683	0.00016	0.217169	2.17E-06	0.069071	0.13612	0.32427
0.095867	0.03837	-0.06547	0.15779	0.098847	0.03271	-0.03954	0.39388	0.080576
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0.052989	0.25311	0.073562	0.11238	0.022794	0.6232	0.029216	0.52883	0.056441
0.022081	0.63411	0.006225	0.89327	-0.02773	0.54997	-0.03023	0.51461	0.041788
0.007983	0.8634	0.011267	0.80813	-0.16204	0.00044	-0.23713	2.16E-07	-0.07586
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0.036251	0.43449	-0.11552	0.01249	-0.16351	0.00039	-0.04688	0.31208	-0.2049
0.149404	0.0012	0.108177	0.01937	0.056863	0.22	1.40E-05	0.99976	0.013526
-0.1512	0.00105	-0.25758	1.63E-08	-0.12975	0.00498	-0.22559	8.41E-07	-0.10205
-0.03907	0.39955	-0.02816	0.54378	0.169679	0.00023	0.106876	0.02089	0.125144
0.189708	3.69E-05	0.019215	0.67875	0.096563	0.03698	0.070816	0.12647	0.062153
0.034392	0.45842	-0.20994	4.75E-06	-0.15825	0.0006	-0.2512	3.75E-08	-0.16013
0.032676	0.48116	-0.03189	0.49173	-0.02132	0.64584	-0.00807	0.86198	-0.04721
0.006046	0.89633	0.08998	0.05199	0.003482	0.94017	0.006573	0.88734	0.079337
0.106991	0.02075	0.261836	9.27E-09	0.239921	1.54E-07	0.330033	2.50E-13	0.185271
0.018534	0.68953	-0.16562	0.00033	-0.02137	0.64503	-0.08003	0.08406	-0.04757
0.01879	0.68548	0.03325	0.47349	0.133379	0.00388	0.055101	0.23465	0.117549
0.080448	0.08245	0.054898	0.23639	0.232178	3.91E-07	0.114778	0.01307	0.181467
-0.14558	0.00161	-0.20342	9.40E-06	-0.09354	0.04335	-0.1479	0.00135	-0.12021
0.064462	0.1643	0.030046	0.51718	0.061119	0.18734	-0.0023	0.96055	0.01568
0.188728	4.05E-05	0.230254	4.90E-07	0.268935	3.52E-09	0.21345	3.25E-06	0.230393
0.054773	0.23746	0.07346	0.11288	-0.00851	0.85455	-0.02061	0.65686	-0.04432
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0.010892	0.81441	0.051171	0.26978	-0.02901	0.53168	-0.05873	0.20524	0.034524

0.055655	0.22998	0.067408	0.14582	-0.03767	0.41669	-0.04151	0.37075	-0.01639
-0.05596	0.22745	-0.1819	7.71E-05	0.010002	0.82932	-0.09491	0.04034	-0.00091
0.387773	3.32E-18	0.159348	0.00055	0.33793	6.14E-14	0.263735	7.17E-09	0.217353
0.155462	0.00075	0.28817	2.21E-10	0.346507	1.28E-14	0.378255	2.48E-17	0.190214
-0.1459	0.00157	0.01643	0.72324	-0.04258	0.35858	-0.00487	0.91645	-0.05265
-0.2371	2.17E-07	-0.38015	1.67E-17	-0.11586	0.01223	-0.19541	2.11E-05	-0.13963
0.063326	0.17188	-0.03962	0.39301	0.094158	0.04197	-0.0785	0.09016	0.15442
-0.03088	0.50563	-0.0871	0.06001	-0.04787	0.30192	-0.02975	0.52137	-0.06858
0.067535	0.14506	0.095437	0.03925	0.069469	0.13386	0.044957	0.33234	0.131384
0.062795	0.17551	0.023942	0.6058	0.003964	0.93191	-0.02937	0.52666	0.099358
0.097636	0.03492	-0.03968	0.39221	-0.12345	0.00757	-0.06062	0.19101	-0.05262
-0.0581	0.21015	-0.12959	0.00503	0.097229	0.03569	0.02415	0.60267	0.025053
0.110266	0.01714	0.04195	0.36573	0.037842	0.41458	-0.02364	0.61032	0.119022
-0.0529	0.25387	-0.093	0.04456	0.064905	0.16142	0.000719	0.98764	0.038439
0.017611	0.70425	-0.04859	0.29475	-0.01428	0.75829	-0.11272	0.01481	-0.02366
0.185511	5.50E-05	0.021202	0.64766	0.063139	0.17315	-0.01532	0.74124	0.03658
-0.09312	0.04428	0.001196	0.97944	0.068675	0.13838	0.063333	0.17183	0.079738
-0.07878	0.08904	-0.10217	0.02727	-0.05803	0.2107	-0.07967	0.08548	0.05466
0.042392	0.36069	-0.03523	0.4475	-0.04708	0.31003	-0.09297	0.04463	-0.02674
-0.02144	0.64392	0.020067	0.66535	-0.01335	0.77363	-0.04045	0.38313	-0.02714
-0.05477	0.23747	-0.01397	0.76331	-0.08359	0.07113	-0.07086	0.12626	-0.04082
-0.12384	0.00738	-0.23671	2.27E-07	-0.29321	1.03E-10	-0.30313	2.21E-11	-0.22523
-0.01768	0.70307	-0.08533	0.06541	-0.12287	0.00785	-0.04728	0.30796	-0.0568
0.329415	2.78E-13	0.282938	4.80E-10	0.178005	0.00011	0.264668	6.32E-09	0.186428
-0.14857	0.00128	-0.05031	0.27796	-0.17536	0.00014	-0.19311	2.65E-05	-9.88E-05
-0.04041	0.38362	0.013183	0.7763	-0.03583	0.43988	-0.05373	0.24648	-0.02452
-0.19298	2.68E-05	-0.14451	0.00174	-0.07204	0.12004	0.001029	0.9823	-0.1318
0.040109	0.38715	-0.01728	0.70953	0.135684	0.0033	0.050992	0.27145	0.078983
-0.03539	0.44553	-0.02976	0.5212	0.020015	0.66617	-0.01116	0.80988	0.056699
0.029832	0.52017	0.049024	0.29042	0.032606	0.48211	-0.02488	0.59181	0.01799
-0.19954	1.40E-05	-0.10252	0.02673	-0.044	0.34269	-0.0242	0.60187	-0.04906
-0.06532	0.15876	-0.02248	0.62805	0.032348	0.48558	-0.05295	0.25346	0.003281
0.072746	0.11643	0.018966	0.68268	-0.01288	0.78127	-0.03568	0.4417	0.04919
0.128953	0.00526	-1.31E-05	0.99977	0.075573	0.10287	0.035402	0.44533	0.114931
-0.12923	0.00516	-0.09189	0.04719	0.059233	0.20135	0.094448	0.04134	-0.00204
-0.07229	0.11873	-0.05741	0.2156	-0.26	1.18E-08	-0.17803	0.00011	-0.25611
0.166143	0.00031	0.115218	0.01272	-0.11573	0.01233	0.017266	0.70978	-0.05667
0.029784	0.52084	0.024048	0.60421	0.118401	0.01044	0.106157	0.02177	0.126583
0.109791	0.01762	0.093072	0.0444	0.168998	0.00024	0.112381	0.01511	0.210945
-0.16703	0.00029	-0.30723	1.15E-11	0.005847	0.89972	-0.03232	0.48601	-0.10277
0.038607	0.4052	0.056575	0.22235	0.102633	0.02657	0.140764	0.0023	0.075845
0.128259	0.00551	-0.10378	0.02492	0.211262	4.12E-06	0.051956	0.26249	0.009017
-0.03832	0.40865	-0.27351	1.86E-09	0.068553	0.13908	-0.05816	0.20968	0.000739
0.080872	0.08084	-0.04896	0.29109	-0.03897	0.40078	-0.046	0.32119	-0.04362
0.106498	0.02135	0.115182	0.01275	-0.00844	0.85562	0.039949	0.38905	-0.01661

-0.00904	0.84544	0.042606	0.35827	-0.00959	0.83633	0.02907	0.53089	0.015053
-0.04106	0.37601	0.024259	0.60104	-0.03262	0.48196	0.005454	0.90642	-0.01518
-0.02948	0.52511	0.167647	0.00027	-0.14655	0.00149	0.017833	0.7007	-0.03587
-0.00548	0.90596	-0.00337	0.94216	0.031647	0.49509	-0.02108	0.64963	0.038984
0.090032	0.05185	0.006299	0.89202	0.081216	0.07955	0.070792	0.1266	0.111158
0.018822	0.68496	0.080839	0.08096	0.111635	0.0158	0.077245	0.09546	0.141879
0.260104	1.17E-08	0.245543	7.68E-08	0.293107	1.05E-10	0.1763	0.00013	0.353951
-0.00849	0.85478	0.049418	0.28655	-0.0448	0.33401	-0.06827	0.14074	0.022117
0.020238	0.66268	0.054889	0.23647	0.058655	0.20579	0.025427	0.58362	0.072601
-0.04134	0.37276	-0.00888	0.84822	0.025163	0.58754	0.003089	0.94692	0.012825
0.188726	4.05E-05	0.023211	0.61685	0.257117	1.74E-08	0.134423	0.00361	0.101126
0.037964	0.41307	0.018391	0.69181	0.080469	0.08237	0.035454	0.44465	0.088028
0.021456	0.64374	-0.0099	0.83112	-0.03253	0.48316	-0.02145	0.64388	0.012677
0.150221	0.00113	0.087137	0.05989	0.128617	0.00538	0.081598	0.07814	0.226489
0.004589	0.92122	-0.03189	0.49173	-0.16716	0.00029	-0.16317	0.0004	-0.20632
-0.09807	0.03412	-0.0275	0.55338	0.016214	0.72674	0.125768	0.0065	-0.01042
0.173363	0.00017	-0.02083	0.65345	0.223729	1.04E-06	0.213372	3.28E-06	0.016987
-0.06486	0.16168	0.031322	0.49953	-0.04952	0.28555	0.017301	0.70922	0.090624
0.020285	0.66195	-0.04453	0.33698	0.093815	0.04272	0.097561	0.03506	0.044823
0.027069	0.55956	0.06198	0.18119	-0.11799	0.01071	-0.15595	0.00072	-0.04025
-0.13051	0.00473	-0.07039	0.12879	-0.07857	0.08987	0.002557	0.95605	-0.27867
0.107747	0.01986	0.067032	0.14809	0.070049	0.13064	0.006847	0.88268	0.056217
0.107556	0.02008	0.439371	1.83E-23	0.048856	0.29207	0.225411	8.58E-07	0.098668
0.032114	0.48874	-0.03509	0.44939	0.107423	0.02024	-0.00464	0.92032	-0.02876
0.080454	0.08243	-0.06287	0.17498	0.167336	0.00028	0.071562	0.12252	0.10643
0.189242	3.86E-05	0.236914	2.22E-07	0.170094	0.00022	0.111511	0.01592	0.152243
0.032733	0.4804	0.151261	0.00104	-0.11717	0.01127	-0.00213	0.96338	-0.04069
-0.00296	0.94911	0.264216	6.72E-09	0.011065	0.81151	0.232891	3.59E-07	-0.09275
0.074551	0.10762	0.139644	0.00249	0.145057	0.00167	0.13054	0.00472	0.161041
0.011954	0.79669	0.11775	0.01088	0.083318	0.07205	0.098089	0.03408	0.169785
-0.06863	0.13864	0.02149	0.64321	0.011283	0.80786	0.100578	0.02977	-0.00607
-0.05428	0.24168	-0.04282	0.35582	-0.2285	6.01E-07	-0.17398	0.00016	-0.14407
-0.02504	0.58941	-0.012	0.79584	-0.10414	0.02442	-0.04203	0.36485	-0.06275
-0.09694	0.03625	-0.09183	0.04733	-0.14307	0.00194	-0.11694	0.01144	-0.12198
-0.08536	0.06533	-0.15945	0.00054	-0.16406	0.00037	-0.18083	8.51E-05	-0.13336
0.022369	0.62969	-0.1181	0.01064	-0.18357	6.60E-05	-0.14006	0.00242	-0.22571
0.036221	0.43487	0.050532	0.27581	0.038995	0.40049	0.021171	0.64815	0.021578
0.013827	0.76569	0.072341	0.11849	0.062078	0.1805	0.090784	0.04992	0.029155
0.014049	0.76205	0.111664	0.01577	0.086138	0.0629	0.124666	0.00699	0.044845
0.05919	0.20168	-0.00476	0.91837	0.041083	0.37572	0.07028	0.12937	-0.00844
0.095033	0.04009	0.033295	0.4729	0.052734	0.2554	0.046572	0.31524	0.027609
0.013292	0.7745	0.017307	0.70913	0.014437	0.75568	-0.00195	0.96639	0.030735
0.02059	0.65719	0.028442	0.5398	0.078748	0.08916	0.054809	0.23714	0.036223
0.080247	0.08322	0.092711	0.04524	-0.00532	0.90869	0.024166	0.60244	0.058887
-0.06302	0.17395	0.107567	0.02007	-0.13625	0.00317	-0.07917	0.08746	0.021396

0.117798	0.01084	0.005677	0.90263	0.068212	0.14106	0.030007	0.51771	0.062407
-0.03245	0.48415	-0.03747	0.41918	0.005346	0.90827	-0.05359	0.24771	0.060713
0.060553	0.19147	-0.05944	0.19978	-0.05524	0.23349	-0.02747	0.5537	-0.13837
0.092114	0.04665	-0.02863	0.53719	-0.03854	0.40605	-0.02023	0.66287	-0.06613
-0.03157	0.49614	-0.24556	7.67E-08	-0.30543	1.54E-11	-0.30145	2.88E-11	-0.28964
0.051221	0.26931	-0.08385	0.07024	0.107642	0.01998	-0.002	0.96564	-0.00228
0.317886	2.00E-12	-0.16661	0.0003	-0.00218	0.96245	-0.18336	6.73E-05	0.012633
0.088309	0.05652	0.053386	0.24956	0.107002	0.02073	0.097669	0.03486	0.061193
0.160462	0.0005	0.185617	5.45E-05	0.040185	0.38626	0.000356	0.99388	0.099534
-0.05569	0.22972	-0.17154	0.0002	-0.03249	0.48365	-0.16008	0.00052	-0.0299
-0.02281	0.623	-0.22671	7.40E-07	-0.16828	0.00026	-0.12779	0.00568	-0.17306
-0.01896	0.68284	0.018114	0.69622	0.072655	0.11689	0.047343	0.30729	0.068059
0.06525	0.1592	-0.0357	0.44148	0.04558	0.32567	-0.0727	0.11669	0.084127
0.009576	0.83648	-0.29271	1.12E-10	-0.18676	4.89E-05	-0.29047	1.57E-10	-0.21072
0.120572	0.0091	0.025906	0.57656	0.222276	1.23E-06	0.012942	0.78028	0.166517
0.17728	0.00012	0.184074	6.30E-05	-0.07213	0.11957	-0.08009	0.08382	0.027514
0.142022	0.00209	0.212549	3.59E-06	0.070957	0.12572	0.194511	2.31E-05	-0.01903
0.043193	0.35168	-0.03779	0.41523	-0.11531	0.01265	-0.1428	0.00198	-0.14072
-0.08212	0.07624	0.041842	0.36696	-0.05931	0.20079	-0.08484	0.06699	-0.02175
0.135076	0.00345	0.046706	0.31386	0.169827	0.00023	0.197165	1.77E-05	0.059841
-0.08349	0.07145	-0.07761	0.09391	0.007909	0.86464	-0.04027	0.3852	-0.01237
0.101613	0.02812	-0.07301	0.11512	-0.00719	0.8769	-0.01594	0.73121	-0.10753
0.096083	0.03793	-0.02025	0.66241	0.232017	3.98E-07	0.070781	0.12666	0.212105
0.107529	0.02011	0.046662	0.31431	0.171874	0.00019	0.149258	0.00122	0.060535
0.024051	0.60416	0.073633	0.11204	0.183959	6.36E-05	0.137246	0.00296	0.195288
0.053958	0.24452	0.036886	0.42647	0.035452	0.44468	-0.02882	0.53442	0.000129
0.130735	0.00466	0.047173	0.30903	0.186207	5.15E-05	0.122032	0.00829	0.198269
-0.05858	0.20634	-0.02504	0.58937	0.060774	0.18985	0.066118	0.15371	0.078257
0.063995	0.16739	0.118355	0.01047	-0.06276	0.17573	0.025917	0.57639	0.005817
0.090068	0.05176	0.085031	0.06637	0.071496	0.12286	0.042853	0.35549	-0.03527
0.123545	0.00752	0.080265	0.08315	0.195091	2.18E-05	0.147247	0.00142	0.126165
0.04638	0.31724	-0.00413	0.9291	0.030195	0.51509	0.046194	0.31919	0.029656
0.10826	0.01928	0.120477	0.00916	-0.00092	0.98426	-0.07344	0.11296	0.091091
0.101778	0.02786	0.024172	0.60234	0.050806	0.27322	0.026996	0.56061	0.054909
-0.00738	0.87365	0.03581	0.4401	0.007976	0.86351	0.024277	0.60076	-0.00412
0.007529	0.87109	0.047287	0.30787	-0.0497	0.28377	-0.11125	0.01617	0.025291
0.125263	0.00672	0.192989	2.68E-05	-0.04119	0.37447	-0.02667	0.56537	0.0229
0.084757	0.06725	0.075156	0.10479	0.08187	0.07715	0.020873	0.65278	0.048427
0.064654	0.16305	0.070229	0.12965	0.085727	0.06417	0.017113	0.71223	0.032971
0.160926	0.00048	0.173986	0.00016	0.089816	0.05242	0.026508	0.56773	0.108939
0.180092	9.10E-05	0.016283	0.72562	0.094738	0.04071	0.099307	0.03191	0.0043
0.259166	1.32E-08	0.072816	0.11608	0.188399	4.18E-05	0.150949	0.00107	0.108276
0.102883	0.0262	0.050338	0.27766	0.026708	0.56481	-0.08446	0.06823	0.045281
0.105179	0.02302	0.188594	4.11E-05	0.141922	0.00211	0.136352	0.00315	0.188157
-0.07635	0.09938	0.084662	0.06756	0.199487	1.40E-05	0.224318	9.73E-07	0.234532

-0.07407	0.10994	0.104473	0.02396	-0.14497	0.00168	-0.05686	0.22005	-0.08391
0.188501	4.14E-05	0.15069	0.00109	0.144222	0.00178	0.008992	0.84634	0.23034
0.145448	0.00162	0.071124	0.12483	0.040969	0.37705	-0.04246	0.35995	0.112035
0.15947	0.00054	0.102012	0.0275	0.072812	0.1161	-0.03914	0.39868	0.16353
0.305514	1.51E-11	0.098474	0.03338	0.16567	0.00032	0.143839	0.00183	0.151183
0.140531	0.00234	0.178948	0.0001	0.028362	0.54094	0.037178	0.42282	-0.03424
0.062721	0.17602	0.034374	0.45866	0.020393	0.66025	0.012381	0.78959	0.045528
-0.05354	0.24816	-0.07503	0.10536	-0.08458	0.06782	-0.07734	0.09503	-0.06802
0.013754	0.76689	0.052594	0.25666	0.088738	0.05533	0.152981	0.00091	0.046918
0.053916	0.24489	-0.12864	0.00537	-0.04759	0.30473	-0.04933	0.28736	-0.01713
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-0.15573	0.00073	-0.37985	1.78E-17	-0.20569	7.42E-06	-0.20215	1.07E-05	-0.14248
0.332767	1.54E-13	-0.00013	0.99769	0.231323	4.32E-07	0.066541	0.15109	0.168857
0.187599	4.51E-05	0.17697	0.00012	0.195252	2.15E-05	0.138257	0.00275	0.171432
0.04546	0.32695	0.051046	0.27095	-0.06563	0.15678	-0.01591	0.73171	-0.0545
0.289129	1.92E-10	0.421707	1.47E-21	0.282552	5.08E-10	0.409292	2.74E-20	0.177054
0.039902	0.38961	0.091469	0.04821	0.121475	0.00859	0.25412	2.57E-08	0.051675
0.109525	0.0179	0.196804	1.84E-05	0.105768	0.02226	0.228728	5.85E-07	0.021076
0.166178	0.00031	0.155265	0.00076	0.121989	0.00832	0.112728	0.0148	0.10969
0.071322	0.12378	0.356902	1.78E-15	0.035027	0.45016	0.260776	1.07E-08	-0.01765
-0.07469	0.10697	-0.16021	0.00051	-0.21608	2.44E-06	-0.18261	7.21E-05	-0.12646
0.024161	0.60251	0.023886	0.60664	0.059735	0.19754	0.027549	0.5526	0.096886
-0.07718	0.09572	0.083683	0.07081	-0.12386	0.00737	-0.03854	0.40603	-3.67E-05
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0.029816	0.5204	-0.12201	0.0083	0.163029	0.0004	0.1832	6.83E-05	-0.03852
-0.01712	0.71211	-0.12983	0.00495	-0.00245	0.95791	-0.06262	0.17673	-0.01792
0.03134	0.49929	0.079296	0.08695	0.065259	0.15914	-0.02205	0.63461	0.207902
-0.29154	1.33E-10	-0.44257	8.08E-24	-0.18946	3.78E-05	-0.3148	3.34E-12	-0.15674
-0.05164	0.26536	-0.07758	0.09403	-0.03395	0.46421	-0.08801	0.05735	0.006393
-0.05917	0.20182	0.067951	0.1426	0.040737	0.37976	0.056512	0.22286	0.133462
-0.12945	0.00508	-0.07164	0.12208	-0.15957	0.00054	-0.09837	0.03357	-0.16623
0.007694	0.86829	0.044147	0.34113	0.079181	0.08741	0.048271	0.2979	0.067909
0.04856	0.29501	0.058834	0.20441	0.037144	0.42324	0.011154	0.81002	0.073497
-0.05057	0.27542	0.000824	0.98583	0.136485	0.00312	0.083023	0.07307	0.120069
0.012051	0.79507	0.106604	0.02122	0.005279	0.90942	-0.00219	0.96229	0.027543
-0.01394	0.76391	0.051935	0.26268	-0.04467	0.33542	-0.00285	0.95101	-0.05137
0.059709	0.19774	-0.00657	0.88735	-0.00457	0.92153	-0.01104	0.81198	0.012716
-0.00877	0.85001	0.053433	0.24915	-0.05282	0.25459	0.005666	0.9028	0.033985
-0.04727	0.308	-0.01513	0.74428	-0.04024	0.38565	-0.00454	0.92204	0.002679
-0.05143	0.2674	-0.01512	0.74458	-0.02159	0.64165	-0.02198	0.63563	0.080979
0.069874	0.13161	0.094365	0.04152	0.028919	0.53303	-0.00743	0.87284	0.10305
0.108859	0.01861	0.077185	0.09571	-0.00949	0.83801	-0.02164	0.64091	0.03896
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-0.21775	2.03E-06	-0.2329	3.59E-07	-0.20418	8.68E-06	-0.17633	0.00013	-0.18367
-0.00457	0.92153	0.016907	0.71556	0.005686	0.90246	-0.023	0.61999	0.016488



-0.04159	0.36985	0.005507	0.90551	-0.02279	0.62321	0.023819	0.60765	-0.03525
0.066955	0.14855	0.04661	0.31485	0.106374	0.0215	0.055073	0.23489	0.048076
0.025803	0.57808	0.056312	0.22451	0.086708	0.06117	0.023547	0.61175	0.094364
0.024771	0.59338	0.08633	0.06231	0.129094	0.00521	0.00499	0.91436	0.223609
0.047087	0.30991	0.149342	0.00121	0.080233	0.08328	-0.00261	0.95514	0.184198
0.232236	3.88E-07	0.352126	4.45E-15	0.074525	0.10774	0.098083	0.03409	0.065952
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-0.05684	0.22022	-0.1375	0.00291	-0.15875	0.00057	0.004315	0.92591	-0.17319
-0.07445	0.1081	-0.21327	3.32E-06	-0.0249	0.59149	-0.14989	0.00116	0.034151
-0.05388	0.24519	0.017354	0.70837	-0.08848	0.05605	-0.01766	0.7035	-0.04735
0.236179	2.42E-07	-0.05505	0.23507	0.169542	0.00023	0.033333	0.47238	0.135377
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-0.06576	0.15595	0.024731	0.59396	-0.16509	0.00034	-0.13926	0.00256	-0.06002
0.059622	0.1984	0.146279	0.00153	0.05525	0.23339	0.104502	0.02392	0.083347
0.023308	0.61538	-0.03535	0.44599	-0.00192	0.96701	0.074764	0.10661	-0.00952
0.032931	0.47774	0.002255	0.96123	-0.00047	0.99195	-0.0235	0.61248	-0.00547
0.214646	2.86E-06	0.249017	4.95E-08	0.069965	0.1311	0.173765	0.00016	0.080515
0.080755	0.08128	-0.14943	0.0012	0.060844	0.18934	-0.00567	0.90268	-0.04395
0.138399	0.00272	0.104112	0.02445	0.246424	6.87E-08	0.268255	3.87E-09	0.104906
-0.02524	0.58634	-0.24042	1.45E-07	-0.03467	0.45479	-0.08511	0.0661	-0.13033
0.051508	0.26663	0.023074	0.61894	0.174989	0.00014	0.084484	0.06814	0.142098
0.207886	5.90E-06	0.203077	9.74E-06	0.245762	7.47E-08	0.190067	3.56E-05	0.163959
-0.08716	0.05982	-0.12455	0.00704	-0.26341	7.49E-09	-0.21131	4.10E-06	-0.16596
0.094371	0.0415	0.071962	0.12044	0.118899	0.01012	0.052423	0.25822	0.027164
-0.1267	0.00611	-0.23768	2.02E-07	-0.03411	0.46207	-0.15689	0.00067	-0.04847
0.057315	0.21635	-0.01482	0.74946	-0.01183	0.79881	-0.06239	0.17831	0.059273
0.075245	0.10438	0.054637	0.23863	0.147929	0.00135	0.062205	0.17961	0.270168
0.134258	0.00365	0.110978	0.01643	0.035918	0.43871	-0.03831	0.40884	0.097846
0.183255	6.80E-05	0.149915	0.00116	0.157576	0.00063	0.115724	0.01233	0.09959
0.051646	0.26535	0.031587	0.49591	0.057891	0.21176	0.026721	0.56461	0.109726
-0.04592	0.32207	-0.01748	0.70631	-0.01445	0.75542	-0.08491	0.06675	0.002664
-0.04608	0.32035	0.053946	0.24463	-0.10087	0.02929	-0.10713	0.02059	0.036475
-0.03993	0.38925	0.000482	0.99171	0.07119	0.12448	0.069012	0.13645	0.039579
-0.0238	0.60789	0.029156	0.52967	-0.01797	0.69847	-0.05335	0.24986	0.110076
0.147721	0.00137	0.067889	0.14296	0.104907	0.02338	0.018907	0.68362	0.150651
-0.13629	0.00317	-0.02354	0.61183	-0.04263	0.35799	-0.08474	0.06731	0.060842
-0.05215	0.26073	0.019807	0.66944	0.207759	5.98E-06	0.1168	0.01154	0.28937
0.027898	0.54758	0.070342	0.12903	0.134263	0.00365	0.102639	0.02656	0.192211
0.148603	0.00128	-0.05683	0.22024	0.155616	0.00074	-0.03483	0.45276	0.112222
0.085887	0.06367	-0.00523	0.91022	0.128112	0.00556	-0.00746	0.87226	0.186653
0.177209	0.00012	0.224306	9.74E-07	0.259828	1.21E-08	0.116968	0.01142	0.306569
0.010308	0.82418	0.018116	0.69618	0.15203	0.00098	0.068388	0.14004	0.145645
-0.02825	0.54249	-0.12404	0.00728	0.117315	0.01118	0.09997	0.03077	0.074491
0.084217	0.06902	0.093119	0.04429	0.065991	0.1545	0.064129	0.1665	0.076733
-0.1432	0.00192	-0.27724	1.09E-09	-8.65E-05	0.99851	-0.13096	0.00459	-0.0044

-0.07671	0.09776	-0.17132	0.0002	0.117035	0.01137	0.015041	0.7458	-0.03824
-0.05363	0.24739	-0.03464	0.45514	-0.02783	0.54858	-0.03277	0.47996	-0.05724
0.302563	2.42E-11	0.058156	0.20967	0.132525	0.00412	0.275708	1.36E-09	0.032293
0.116519	0.01174	0.197098	1.79E-05	0.048391	0.29669	0.102488	0.02678	0.035375
0.088226	0.05675	0.056081	0.22642	0.16674	0.0003	0.190585	3.39E-05	0.147031
0.025501	0.58252	0.168829	0.00025	-0.01949	0.67439	0.094708	0.04078	-0.04487
0.083175	0.07254	-0.04597	0.32155	-0.01384	0.7655	-0.11203	0.01543	-0.11727
-0.24524	7.97E-08	-0.2446	8.64E-08	-0.26743	4.33E-09	-0.21408	3.04E-06	-0.21224
0.242797	1.08E-07	0.0267	0.56492	0.124985	0.00684	0.148957	0.00124	0.100271
-0.00461	0.92083	-0.00789	0.86503	-0.04988	0.28205	-0.04221	0.36272	-0.0069
0.116367	0.01185	0.070359	0.12894	0.058232	0.20908	0.06109	0.18755	0.031448
0.010902	0.81423	-0.14621	0.00153	0.12119	0.00875	-0.06249	0.17759	0.151456
0.131255	0.0045	-0.00596	0.89783	0.084694	0.06745	-0.00841	0.85625	0.102766
-0.04903	0.29039	0.01352	0.77074	-0.01602	0.72985	-0.09196	0.04702	0.107964
0.096354	0.03739	0.138781	0.00265	0.044349	0.33892	0.173024	0.00017	0.059562
0.12891	0.00527	0.15557	0.00074	0.176483	0.00013	0.075525	0.10309	0.210416
0.131863	0.00431	0.172028	0.00019	0.015923	0.73144	-0.06684	0.14924	0.101773
0.091035	0.04929	0.176496	0.00013	0.169172	0.00024	0.156964	0.00066	0.216859
0.017396	0.70769	-0.00014	0.99768	0.011987	0.79613	-0.0197	0.67113	0.067007
0.200462	1.27E-05	0.421305	1.62E-21	0.279715	7.67E-10	0.431413	1.36E-22	0.196899
0.183396	6.71E-05	0.443741	5.96E-24	0.223172	1.11E-06	0.458188	1.29E-25	0.093371
-0.01714	0.71179	-0.05466	0.23841	-0.21549	2.61E-06	-0.12245	0.00807	-0.17092
0.032314	0.48604	0.069049	0.13624	-0.05494	0.23604	-0.03508	0.44946	0.020853
-0.11747	0.01107	0.023105	0.61846	-0.00984	0.83208	0.058301	0.20854	-0.03334
-0.04954	0.28536	-0.1669	0.00029	-0.19224	2.89E-05	-0.21977	1.63E-06	-0.14715
-0.21379	3.14E-06	-0.27294	2.01E-09	-0.36579	3.13E-16	-0.25513	2.25E-08	-0.33925
0.004743	0.91859	-0.16831	0.00026	-0.05353	0.24828	-0.09928	0.03196	-0.0794
-0.03817	0.41058	-0.01475	0.75063	-0.05736	0.21602	-0.0901	0.05168	-0.03952
0.094583	0.04105	-0.05288	0.25406	0.039968	0.38883	0.102743	0.0264	0.007088
0.056152	0.22583	0.083214	0.0724	-0.01344	0.77211	-0.05044	0.27671	0.095759
0.069936	0.13126	-0.06307	0.17364	0.012849	0.78183	0.018088	0.69663	-0.0653
0.299841	3.71E-11	0.093907	0.04252	0.300185	3.52E-11	0.143866	0.00183	0.20159
-0.19461	2.29E-05	-0.04207	0.36433	-0.23485	2.84E-07	-0.07534	0.10395	-0.16291
0.086666	0.06129	0.010074	0.82811	-0.05322	0.25106	0.039137	0.39877	-0.02694
0.018772	0.68577	0.231014	4.48E-07	0.010194	0.82611	0.039403	0.39557	0.12186
0.012279	0.79128	0.030769	0.50714	0.012853	0.78176	-0.053	0.25305	-0.02055
0.038817	0.40265	-0.16371	0.00038	-0.02906	0.53101	-0.02079	0.65411	-0.06772
-0.06701	0.1482	-0.12877	0.00532	-0.05597	0.22736	-0.122	0.00831	-0.08416
0.073957	0.11046	0.077152	0.09586	0.046039	0.32082	0.027145	0.55845	0.045771
-0.03548	0.4443	-0.17243	0.00018	-0.21214	3.75E-06	-0.1906	3.38E-05	-0.28622
0.028935	0.53279	0.005578	0.90431	0.144582	0.00173	0.054924	0.23616	0.184647
0.040601	0.38136	-0.01192	0.79726	-0.05828	0.20867	-0.08572	0.06419	-0.00986
-0.10607	0.02188	-0.16779	0.00027	0.091786	0.04744	-0.09512	0.03991	0.031744
0.166173	0.00031	0.136118	0.0032	0.068349	0.14027	0.063057	0.17371	0.114273
0.146532	0.0015	0.093616	0.04317	0.163873	0.00038	0.078305	0.09098	0.197873

0.1883	4.22E-05	-0.10833	0.0192	-0.1041	0.02447	-0.09475	0.04068	-0.12974
0.061119	0.18734	-0.07234	0.1185	0.123486	0.00755	-0.00333	0.94273	0.01554
-0.02799	0.54629	-0.05986	0.19661	-0.05044	0.27671	-0.13011	0.00486	-0.0216
0.297482	5.36E-11	0.233904	3.18E-07	0.25253	3.16E-08	0.139734	0.00247	0.29045
-0.01614	0.72791	-0.00894	0.84713	-0.12752	0.00579	-0.04077	0.37941	-0.00939
-0.0619	0.18179	-0.17166	0.00019	-0.03054	0.5103	-0.26022	1.15E-08	0.192266
-0.12525	0.00673	-0.13596	0.00324	-0.13033	0.00479	-0.1136	0.01404	-0.18575
0.071285	0.12397	0.096727	0.03666	0.12047	0.00916	0.06684	0.14925	0.11729
-0.09094	0.04952	0.033009	0.47671	0.001881	0.96767	0.080037	0.08403	-0.0428
-0.01403	0.76232	0.046437	0.31665	-0.06662	0.15061	-0.03042	0.51202	0.016563
0.04427	0.33979	0.006845	0.88272	0.027293	0.55631	-0.10121	0.02875	-0.00406
-0.00885	0.84865	0.068513	0.13931	0.17946	9.64E-05	0.055782	0.22891	0.247127
-0.01491	0.74794	-0.0684	0.13996	0.00184	0.96836	0.014996	0.74653	0.001093
-0.05018	0.27916	-0.15327	0.00089	-0.15257	0.00094	-0.14874	0.00127	-0.21519
0.09993	0.03084	0.104861	0.02344	0.245587	7.64E-08	0.223465	1.07E-06	0.224476
0.058769	0.2049	0.048719	0.29343	0.067042	0.14803	-0.0275	0.55335	0.128057
0.013022	0.77897	0.089286	0.05384	-0.00641	0.8902	0.026871	0.56243	0.006942
0.074128	0.10964	0.027198	0.55768	0.050091	0.28003	-0.01598	0.73051	0.087542
0.027888	0.54773	0.075694	0.10232	0.046519	0.31579	0.037555	0.41812	0.059531
0.178445	0.00011	0.086908	0.06057	0.061132	0.18725	0.042152	0.36341	0.166194
0.086245	0.06257	0.025472	0.58296	0.038415	0.40754	0.032178	0.48788	0.076342
0.072807	0.11613	-0.08659	0.06151	0.163284	0.0004	0.18667	4.93E-05	0.070628
0.086755	0.06103	0.135436	0.00336	0.227108	7.06E-07	0.202246	1.06E-05	0.136984
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0.09319	0.04413	0.118067	0.01066	0.011732	0.80037	0.005231	0.91023	0.025328
-0.17897	0.0001	-0.30969	7.73E-12	-0.2689	3.54E-09	-0.37513	4.72E-17	-0.23845
-0.10512	0.02309	0.017744	0.70212	-0.13434	0.00363	-0.12227	0.00817	-0.08809
0.192477	2.82E-05	0.348264	9.20E-15	0.318252	1.88E-12	0.419962	2.23E-21	0.201948
-0.05593	0.22767	-0.17582	0.00013	0.013225	0.77562	-0.05832	0.2084	-0.07887
0.150211	0.00113	0.015041	0.7458	0.113088	0.01448	0.04587	0.3226	0.111776
-0.02011	0.6646	0.040525	0.38225	0.048315	0.29746	0.005727	0.90176	0.067593
-0.0222	0.63221	-0.05811	0.21005	0.115757	0.01231	0.071051	0.12522	0.067095
-0.09806	0.03412	-0.04781	0.30252	-0.20781	5.95E-06	-0.15341	0.00088	-0.18547
-0.08463	0.06767	-0.04155	0.37029	0.168162	0.00026	0.15972	0.00053	0.097852
0.187158	4.71E-05	-0.0262	0.5723	0.098733	0.03291	0.063708	0.16931	-0.01771
0.004106	0.92948	0.025636	0.58053	-0.13548	0.00335	-0.03298	0.47714	-0.12069
-0.01834	0.69264	-0.0713	0.12387	-0.03588	0.43916	-0.0641	0.16669	-0.04677
-0.03982	0.39058	0.036684	0.42901	0.016059	0.72925	0.06978	0.13213	0.02096
0.087343	0.05929	-0.06024	0.19377	-0.06068	0.19055	-0.12162	0.00851	-0.12888
0.019062	0.68117	0.072502	0.11767	0.005071	0.91297	0.000483	0.99169	0.029328
0.063136	0.17317	0.001704	0.97071	0.110591	0.01681	0.061917	0.18164	0.110597
-0.12011	0.00938	0.018944	0.68304	-0.0545	0.23979	-0.02269	0.62486	-0.00192
0.130366	0.00478	0.066668	0.15031	0.010081	0.828	0.003059	0.94743	0.011993
-0.13713	0.00298	-0.02472	0.59416	-0.24178	1.23E-07	-0.25281	3.05E-08	-0.09078

0.07418	0.10939	0.031642	0.49516	0.008956	0.84693	-0.0608	0.18966	0.094267
-0.08402	0.06966	-0.0094	0.83941	-0.18488	5.84E-05	-0.1434	0.00189	-0.16589
0.149298	0.00121	0.240475	1.44E-07	0.162106	0.00044	0.133384	0.00388	0.055097
0.001857	0.96807	0.243308	1.01E-07	0.019255	0.67812	0.079163	0.08748	0.003591
0.056733	0.22106	0.153018	0.00091	-0.03945	0.39503	0.05541	0.23203	-0.04572
-0.0393	0.39686	-0.18831	4.22E-05	-0.15369	0.00086	-0.0807	0.08147	-0.21152
0.003797	0.93478	-0.00396	0.93199	0.086278	0.06247	0.044188	0.34068	0.187834
-0.00105	0.9819	-0.04179	0.3676	-0.26314	7.77E-09	-0.15166	0.00101	-0.23833
0.007956	0.86384	-0.0346	0.45575	-0.08418	0.06916	0.00576	0.90121	-0.06547
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0.091197	0.04888	-0.0125	0.78759	0.006153	0.89449	0.031795	0.49307	0.016627
0.020237	0.66269	-0.05294	0.25355	-0.0401	0.38732	-0.02553	0.5821	0.02368
0.099092	0.03228	0.146043	0.00155	-0.0261	0.57373	-0.06041	0.19252	0.108852
0.015805	0.73336	0.140757	0.0023	-0.14508	0.00167	-0.10536	0.02279	-0.01102
0.058387	0.20787	0.104739	0.0236	0.097979	0.03428	0.021089	0.64943	0.175779
0.105479	0.02263	-0.07944	0.08636	0.04513	0.33047	-0.08647	0.06188	0.027324
0.181842	7.75E-05	0.129943	0.00492	0.267732	4.16E-09	0.249736	4.52E-08	0.267796
0.105279	0.02289	0.123757	0.00742	0.004053	0.9304	0.121319	0.00868	-0.13865
-0.03059	0.50962	-0.07391	0.11069	-0.00974	0.83376	-0.0639	0.16799	0.034558
-0.0562	0.22547	-0.03767	0.41673	-0.04735	0.3072	-0.00472	0.91901	-0.03788
-0.04572	0.32418	-0.03564	0.44221	-0.00318	0.94535	0.045693	0.32447	0.006667
0.057795	0.21252	-0.03805	0.41195	0.032198	0.4876	0.112622	0.01489	0.040291
0.236085	2.45E-07	0.106761	0.02102	0.078156	0.0916	0.033377	0.47181	0.082254
0.003004	0.94837	0.020887	0.65256	-0.01563	0.73626	-0.01739	0.70783	-0.02489
-0.04804	0.30025	-0.26988	3.09E-09	-0.26997	3.05E-09	-0.21022	4.60E-06	-0.24374
0.066569	0.15091	-0.09337	0.04373	-0.17914	9.92E-05	-0.11702	0.01138	-0.15576
0.050551	0.27564	-0.08456	0.06788	0.033818	0.46596	-0.11076	0.01665	0.031913
0.069004	0.13649	0.060965	0.18846	0.007645	0.86912	0.078663	0.08951	-0.0261
0.088155	0.05696	-0.05589	0.22798	0.115257	0.01269	0.015391	0.7401	0.195399
0.090681	0.05018	-0.07189	0.12081	-0.02058	0.65734	-0.13303	0.00398	0.004772
0.00163	0.97198	0.135788	0.00328	-0.11235	0.01514	0.008232	0.85917	-0.08076
0.060798	0.18967	0.021048	0.65006	-0.06282	0.17535	-0.0124	0.78927	-0.00749
0.0061	0.8954	-0.09694	0.03623	-0.08559	0.0646	-0.03093	0.50489	-0.18966
0.229463	5.37E-07	0.367697	2.14E-16	0.243065	1.05E-07	0.387232	3.72E-18	0.149511
0.016438	0.72312	0.052196	0.26029	0.075623	0.10264	0.108036	0.01953	0.072616
-0.03568	0.44171	0.013261	0.77501	-0.08335	0.07194	-0.05708	0.21827	-0.0232
0.080777	0.0812	0.08434	0.06861	0.036806	0.42747	0.005591	0.90409	0.089655
-0.04975	0.28335	0.027001	0.56054	-0.13024	0.00482	-0.05627	0.22483	-0.06697
-0.07854	0.09002	0.140725	0.0023	-0.1592	0.00055	-0.01622	0.72668	-0.13332
-0.07627	0.09972	-0.08656	0.06161	-0.07299	0.11522	-0.10395	0.02467	-0.04452
-0.1066	0.02122	-0.11343	0.01419	-0.19276	2.74E-05	-0.21132	4.10E-06	-0.11177
0.122787	0.0079	0.104867	0.02343	0.196994	1.80E-05	0.30028	3.47E-11	0.092617
0.314909	3.28E-12	0.380037	1.71E-17	0.302136	2.59E-11	0.326145	4.91E-13	0.309821
-0.08056	0.08202	0.054247	0.242	-0.09017	0.05149	-0.08932	0.05373	-0.03048
-0.12774	0.0057	-0.16292	0.00041	-0.18072	8.59E-05	-0.19011	3.55E-05	-0.18535

0.014414	0.75605	0.006187	0.89391	-0.02517	0.58737	-0.02709	0.55922	0.065363
-0.03189	0.49182	0.123907	0.00734	0.12766	0.00573	0.144848	0.0017	0.215278
-0.06499	0.16085	-0.03121	0.5011	0.046934	0.31149	0.133163	0.00394	0.03245
-0.06583	0.15551	0.013938	0.76387	-0.04691	0.31174	0.00049	0.99157	-0.03282
0.072079	0.11983	0.05646	0.22329	0.031628	0.49536	0.064834	0.16187	0.025873
0.156134	0.00071	-0.0032	0.94502	0.003613	0.93793	0.02728	0.5565	0.008671
0.028688	0.5363	0.208311	5.64E-06	0.028488	0.53914	0.028684	0.53636	0.110689
-0.09321	0.04408	0.006567	0.88745	-0.03703	0.42462	0.002049	0.96478	-0.02304
0.020062	0.66543	0.019229	0.67853	-0.06741	0.14584	-0.06975	0.1323	0.011947
0.015573	0.73712	-0.17231	0.00018	-0.15705	0.00066	-0.16468	0.00035	-0.1462
-0.14888	0.00125	-0.04282	0.35588	-0.14998	0.00115	-0.04782	0.30239	-0.06376
-0.01645	0.72286	-0.07657	0.0984	0.121732	0.00845	0.101398	0.02845	0.131136
-0.11329	0.0143	-0.14213	0.00208	-0.07029	0.12934	-0.17467	0.00015	-0.03578
-0.01114	0.81026	-0.01	0.82942	0.045972	0.32153	0.109788	0.01763	0.020541
-0.00635	0.89108	-0.0532	0.25125	-0.02919	0.52919	-0.02302	0.61968	0.008385
0.176146	0.00013	0.043517	0.34807	-0.0478	0.30261	-0.03525	0.44727	0.060831
-0.13292	0.00401	-0.11359	0.01405	-0.03891	0.40157	-0.02907	0.53087	-0.06442
0.029192	0.52916	-0.13609	0.00321	0.006836	0.88288	-0.13539	0.00337	-0.15356
-0.02359	0.61107	-0.07422	0.10918	-0.08598	0.06338	-0.12971	0.00499	-0.02885
-0.04752	0.30547	-0.09577	0.03856	-0.22792	6.43E-07	-0.14321	0.00192	-0.10428
-0.17237	0.00018	-0.29477	8.15E-11	-0.22216	1.24E-06	-0.2809	6.46E-10	-0.16462
-0.0997	0.03123	-0.1076	0.02003	-0.05913	0.20214	-0.11171	0.01573	0.033374
0.03403	0.46317	-0.04418	0.34077	-0.10162	0.0281	-0.07197	0.1204	-0.03009
-0.0718	0.12127	-0.11449	0.0133	-0.08637	0.0622	-0.07242	0.11809	-0.01383
0.006903	0.88172	-0.07647	0.09883	-0.07027	0.12942	-0.18414	6.26E-05	-0.01797
0.021036	0.65025	-0.01128	0.80798	-0.00379	0.93498	-0.12126	0.00871	0.031072
0.05826	0.20886	0.116145	0.01202	-0.02798	0.54636	-0.06406	0.16695	-0.0566
0.157456	0.00064	0.162242	0.00043	-0.00717	0.87716	-0.04282	0.35587	0.086261
0.148243	0.00131	0.168132	0.00026	0.147089	0.00144	0.153696	0.00086	0.128096
0.076959	0.09669	0.150174	0.00113	-0.12696	0.00601	0.03064	0.50892	-0.10986
0.015635	0.73613	0.088228	0.05675	0.004018	0.93098	0.016299	0.72535	0.016125
0.026463	0.56838	-0.10321	0.02572	0.11165	0.01578	-0.0972	0.03574	0.077917
-0.02304	0.61944	0.053498	0.24857	-0.11724	0.01123	-0.05688	0.21989	-0.08374
0.179754	9.38E-05	0.197923	1.64E-05	0.241263	1.31E-07	0.208837	5.33E-06	0.243749
-0.09255	0.04562	-0.22172	1.31E-06	-0.00549	0.90582	-0.04377	0.34527	-0.06511
-0.13051	0.00473	-0.01582	0.73312	-0.13656	0.00311	-0.05098	0.27157	-0.07694
-0.1652	0.00034	-0.23245	3.78E-07	-0.12324	0.00767	-0.24424	9.04E-08	-0.009
-0.00885	0.84874	-0.1373	0.00295	-0.02759	0.55198	0.00883	0.84906	-0.0814
0.057731	0.21303	0.056084	0.2264	0.046591	0.31505	-0.04549	0.32664	0.142085
-0.04647	0.31633	-0.06814	0.14148	-0.0092	0.84285	-0.05017	0.27927	0.053076
0.0459	0.32229	-0.01662	0.72015	-0.00545	0.90651	0.023652	0.61018	0.050388
0.029193	0.52914	-0.0313	0.49989	-0.06192	0.1816	-0.08322	0.07237	0.037585
0.032485	0.48373	-0.02406	0.60406	-0.09924	0.03201	-0.09895	0.03254	-0.11077
-0.07209	0.11979	0.103846	0.02482	-0.16559	0.00033	-0.14883	0.00126	-0.0277
-0.02165	0.64071	0.018221	0.69452	-0.14589	0.00157	0.005276	0.90946	-0.06079

0.050717	0.27405	0.122242	0.00818	0.025001	0.58994	-0.04762	0.30445	0.1687
0.161064	0.00048	-0.02142	0.64429	-0.09783	0.03456	-0.17128	0.0002	0.021898
-0.05099	0.27151	-0.08142	0.07879	0.069426	0.13411	-0.0287	0.53611	0.06157
-0.24417	9.12E-08	-0.13069	0.00467	-0.2496	4.60E-08	-0.12222	0.00819	-0.24699
-0.02284	0.62244	0.029975	0.51817	-0.07178	0.12137	0.02584	0.57752	-0.03189
-0.02205	0.63451	-0.0869	0.0606	-0.093	0.04456	-0.09601	0.03807	-0.02783
-0.14144	0.00219	-0.09989	0.03091	-0.30748	1.10E-11	-0.20638	6.91E-06	-0.22917
0.088947	0.05475	-0.05533	0.23274	-0.01431	0.75782	0.003003	0.9484	-0.0697
0.027964	0.54664	-0.01223	0.79202	0.006662	0.88583	0.039075	0.39953	0.005434
-0.03582	0.43996	-0.03438	0.45863	0.017707	0.70271	0.000636	0.98907	8.69E-05
0.157883	0.00062	0.249975	4.38E-08	0.167039	0.00029	0.265386	5.73E-09	0.087372
-0.1648	0.00035	-0.29756	5.30E-11	-0.13486	0.0035	-0.23207	3.96E-07	-0.15271
0.000381	0.99344	0.018902	0.68371	0.055973	0.22732	0.007143	0.87765	0.088562
-0.06827	0.14074	-0.03234	0.48572	-0.13253	0.00412	-0.11934	0.00984	-0.11921
0.045977	0.32147	-0.01475	0.75056	0.193557	2.54E-05	0.098414	0.03349	0.097592
0.002669	0.95412	-0.04746	0.30613	0.009545	0.83701	-0.0243	0.60044	0.011258
-0.02537	0.58453	0.021885	0.63712	-0.03792	0.41361	0.042575	0.35861	-0.01727
-0.004	0.93134	-0.02553	0.58204	-0.03967	0.39241	-0.03508	0.44953	-0.0756
0.032316	0.48601	-0.00937	0.84001	0.064109	0.16663	0.022499	0.6277	0.099553
-0.1241	0.00725	-0.03694	0.42573	-0.05399	0.24424	-0.00769	0.86843	0.031779
0.00676	0.88415	-0.03047	0.51127	0.120985	0.00887	-0.02527	0.58598	0.158243
0.161189	0.00047	0.162952	0.00041	0.20535	7.69E-06	0.092945	0.04469	0.19349
0.169519	0.00023	0.171796	0.00019	0.18661	4.96E-05	0.103797	0.02489	0.265874
-0.02345	0.61329	-0.01786	0.70024	-0.00674	0.88457	0.03169	0.4945	-0.00805
-0.02058	0.65734	0.013729	0.76731	-0.11002	0.01739	-0.04915	0.28916	-0.05974
0.194181	2.39E-05	0.169337	0.00024	0.076837	0.09723	0.061364	0.18557	0.12093
0.131436	0.00444	0.159982	0.00052	0.034602	0.45568	0.018902	0.68369	0.06628
0.128924	0.00527	0.017073	0.71288	0.060526	0.19167	0.083226	0.07236	0.002377
-0.01212	0.79393	-0.01651	0.72199	0.021708	0.63985	-0.01836	0.69226	-0.01903
0.014184	0.75982	-0.01603	0.72975	0.099253	0.032	0.039206	0.39794	0.125492
0.140845	0.00228	0.119823	0.00955	0.20593	7.24E-06	0.192829	2.72E-05	0.163203
0.079107	0.08771	0.046814	0.31274	0.002254	0.96126	0.042196	0.36292	-0.07062
0.107228	0.02047	0.325157	5.82E-13	0.131022	0.00457	0.24327	1.02E-07	0.115522
0.07138	0.12347	-0.16674	0.0003	0.104356	0.02412	-0.03089	0.50547	0.161162
0.003537	0.93924	-0.04413	0.34135	0.16868	0.00025	0.129862	0.00494	0.116331
-0.11547	0.01253	-0.07197	0.12038	-0.12971	0.00499	-0.16603	0.00031	-0.04259
-0.01147	0.80479	0.023754	0.60863	-0.13632	0.00316	-0.17501	0.00014	-0.04463
-0.1133	0.01429	-0.40646	5.26E-20	-0.19693	1.82E-05	-0.40635	5.39E-20	-0.17695
0.080724	0.0814	0.026934	0.56151	0.082108	0.07629	0.140851	0.00228	-0.03039
0.257508	1.65E-08	0.008388	0.85653	0.201395	1.16E-05	0.038593	0.40536	0.228312
-0.20918	5.15E-06	-0.26744	4.33E-09	-0.0521	0.26115	-0.06672	0.14997	-0.16581
-0.06385	0.16832	-0.17132	0.0002	-0.29561	7.16E-11	-0.21617	2.42E-06	-0.2829
0.051213	0.26939	-0.02545	0.58324	-0.02642	0.56901	-0.06022	0.19395	-0.02157
0.051961	0.26244	-0.28591	3.10E-10	0.066365	0.15218	-0.01335	0.77355	-0.14703
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-0.09727	0.03562	0.097646	0.0349	0.061745	0.18286	0.062345	0.17863	0.090898
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0.043893	0.34391	0.046279	0.3183	-0.14677	0.00147	0.006062	0.89605	-0.18535
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0.192263	2.88E-05	0.172901	0.00017	0.209013	5.24E-06	0.153507	0.00087	0.165856
0.06197	0.18126	0.048508	0.29553	0.217432	2.11E-06	0.143636	0.00186	0.16338
0.062567	0.17709	-0.03536	0.44581	0.158925	0.00057	0.060736	0.19013	0.157275
0.116672	0.01163	0.165744	0.00032	0.017153	0.7116	0.029324	0.5273	0.132148
0.067787	0.14356	0.157698	0.00063	0.108901	0.01857	0.083591	0.07112	0.184104
0.024798	0.59296	0.22829	6.16E-07	-0.0426	0.35829	0.049879	0.28208	0.111526
-0.00183	0.96846	0.045504	0.32648	0.013292	0.7745	0.042018	0.36495	0.079301
0.066858	0.14915	0.084608	0.06773	0.088797	0.05517	0.08378	0.07048	0.078035
0.000401	0.9931	0.053099	0.25212	0.008079	0.86177	-0.01901	0.68203	0.050404
0.19237	2.85E-05	0.297309	5.51E-11	0.094826	0.04053	0.159467	0.00054	0.099418
0.133621	0.00382	0.214995	2.75E-06	0.148864	0.00125	0.1407	0.00231	0.262728
-0.01575	0.7342	-0.08429	0.06878	0.050072	0.28021	-0.03427	0.46001	0.057364
0.027788	0.54916	-0.125	0.00684	0.041109	0.37542	-0.01109	0.81108	0.033129
0.035263	0.44712	0.052664	0.25604	0.208899	5.30E-06	0.09014	0.05157	0.203807
-0.25037	4.17E-08	-0.35128	5.22E-15	-0.28144	5.97E-10	-0.22225	1.23E-06	-0.29175
0.109934	0.01748	0.038148	0.4108	0.102879	0.0262	0.149211	0.00122	0.140401
0.033478	0.47046	0.022426	0.62882	-0.00088	0.98483	-0.00453	0.92217	0.061043
0.028631	0.53711	0.01703	0.71357	-0.01008	0.82793	-0.01046	0.82169	0.070083
0.029344	0.52702	-0.12687	0.00604	-0.16335	0.00039	-0.12861	0.00538	-0.22125
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0.079619	0.08567	0.073265	0.11385	0.237984	1.95E-07	0.135965	0.00324	0.162779
0.087521	0.05877	0.075657	0.10249	-0.07839	0.09062	0.005869	0.89934	-0.05121
0.002801	0.95186	0.009564	0.83668	0.013179	0.77637	-0.01322	0.77569	-0.03377
0.009361	0.8401	-0.04606	0.32057	-0.01023	0.82556	-0.05395	0.24461	0.018836
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0.030418	0.512	-0.01966	0.67174	-0.0968	0.03651	-0.13003	0.00489	-0.1056
0.000465	0.99201	-0.00397	0.93174	0.118666	0.01027	0.036285	0.43405	0.156761
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0.090227	0.05135	0.122012	0.0083	-0.00722	0.87635	-0.0559	0.22795	0.059719
0.199773	1.36E-05	0.170214	0.00022	0.035791	0.44034	0.107211	0.02049	-0.01768
0.129707	0.005	0.006232	0.89315	-0.08109	0.08002	-0.04655	0.31544	-0.01164
0.128596	0.00538	0.060443	0.19228	0.076777	0.09749	0.051495	0.26675	0.056963
0.136975	0.00302	0.109222	0.01822	0.00365	0.9373	0.057727	0.21306	0.000222
0.012691	0.78444	0.011702	0.80088	0.033932	0.46446	-0.04228	0.36197	0.067388
-0.00055	0.99062	0.00142	0.97559	-0.03573	0.44108	-0.06778	0.14363	-0.00794
0.077547	0.09416	0.038596	0.40533	-0.00095	0.98366	-0.08518	0.06588	0.094766
0.100023	0.03068	0.124462	0.00708	0.044251	0.34	-0.00999	0.82948	0.224077
0.047269	0.30804	-0.05543	0.23186	-0.03009	0.51662	-0.08005	0.08397	-0.0334

0.066264	0.1528	0.050416	0.27691	0.00985	0.83188	-0.07502	0.10543	0.066311
-0.01783	0.70081	0.015655	0.7358	-0.02024	0.66264	-0.03455	0.45633	0.020307
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0.029547	0.52417	-0.10097	0.02913	0.05078	0.27346	-0.0462	0.31911	0.030843
0.113702	0.01395	0.08213	0.07622	0.039978	0.3887	0.016108	0.72846	0.057835
0.061847	0.18213	0.062484	0.17766	0.084613	0.06772	0.024515	0.5972	0.13584
0.038834	0.40244	-0.00141	0.97577	0.084895	0.06681	0.020462	0.65918	0.091967
0.108636	0.01886	0.003102	0.9467	0.084921	0.06672	0.024711	0.59427	0.087628
0.001983	0.96591	-0.0299	0.51918	-0.04301	0.35367	-0.0671	0.1477	-0.00674
0.030235	0.51454	-0.19654	1.89E-05	0.045433	0.32724	-0.08613	0.06291	0.104249
0.064587	0.16348	0.066243	0.15293	0.154746	0.00079	0.028072	0.54509	0.104924
0.0841	0.06941	0.014364	0.75687	0.047069	0.3101	-0.00786	0.86542	0.143913
-0.06706	0.14789	0.01241	0.7891	0.189811	3.65E-05	0.227717	6.58E-07	0.08691
0.033113	0.47531	0.026784	0.56369	-0.14854	0.00129	-0.04707	0.31006	-0.04687
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-0.11741	0.01111	-0.07822	0.09132	-0.07699	0.09655	-0.1598	0.00053	-0.03958
-0.04962	0.28456	-0.18259	7.23E-05	-0.18361	6.57E-05	-0.20571	7.41E-06	-0.15288
-0.09894	0.03255	-0.09326	0.04397	0.012837	0.78202	-0.03243	0.48447	0.041887
0.032567	0.48262	0.17894	0.0001	-0.08438	0.06847	-0.07739	0.09484	0.04345
0.094318	0.04162	0.112118	0.01535	0.151501	0.00102	0.095713	0.03868	0.200065
-0.11289	0.01465	-0.05532	0.23284	-0.22714	7.03E-07	-0.17572	0.00014	-0.09004
0.337736	6.36E-14	0.301957	2.66E-11	0.269231	3.38E-09	0.259711	1.23E-08	0.284419
-0.00206	0.96452	0.045363	0.32799	-0.03581	0.44015	-0.05886	0.20424	0.015593
0.042144	0.36351	0.001906	0.96723	0.010983	0.81288	-0.02283	0.6226	0.007519
-0.01972	0.67076	-0.30435	1.82E-11	-0.13183	0.00432	-0.25648	1.89E-08	-0.17097
0.107386	0.02028	0.135154	0.00343	0.095346	0.03944	-0.03576	0.44068	0.220765
0.00358	0.93851	-0.19211	2.92E-05	-0.14193	0.00211	-0.17719	0.00012	-0.18452
0.046514	0.31585	0.077105	0.09606	0.277011	1.13E-09	0.158784	0.00057	0.175403
-0.16609	0.00031	-0.21692	2.23E-06	-0.30039	3.41E-11	-0.36911	1.61E-16	-0.18171
-0.04933	0.28738	-0.23587	2.52E-07	-0.17037	0.00022	-0.17591	0.00013	-0.25682
-0.08248	0.07497	0.028784	0.53493	-0.06114	0.18719	-0.07507	0.10519	0.012934
0.026946	0.56135	0.114703	0.01313	-0.13921	0.00257	-0.07493	0.10586	0.01991
-0.09345	0.04355	0.063647	0.16971	-0.11428	0.01347	-0.0439	0.3439	-0.01853
-0.00173	0.97028	-0.12386	0.00737	-0.21672	2.28E-06	-0.22397	1.01E-06	-0.24025
0.089443	0.05341	-0.1683	0.00026	0.02992	0.51893	-0.09974	0.03116	0.017154
0.064812	0.16202	0.056955	0.21926	-0.07741	0.09473	-0.16131	0.00047	0.073429
-0.11156	0.01587	-0.22272	1.17E-06	-0.20668	6.69E-06	-0.1323	0.00418	-0.26475
-0.12352	0.00753	-0.08737	0.05922	-0.17883	0.0001	-0.29247	1.16E-10	-0.13854
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0.048802	0.29261	-0.0446	0.33623	-0.03551	0.44392	-0.10841	0.01911	0.027631
0.030533	0.51041	0.0535	0.24855	0.085267	0.06561	0.096265	0.03757	0.107933
0.046608	0.31487	0.110526	0.01688	0.128217	0.00552	0.04871	0.29352	0.160178
0.095694	0.03872	0.047972	0.3009	0.031439	0.49793	-0.00242	0.95838	0.068667
-0.12493	0.00687	-0.17846	0.00011	-0.30511	1.62E-11	-0.28283	4.87E-10	-0.2562
-0.08071	0.08144	-0.0417	0.36854	-0.00506	0.91323	-0.00625	0.89288	0.119796



0.041187	0.37451	0.049377	0.28695	0.082981	0.07321	0.104592	0.0238	0.133313
0.062423	0.17808	0.052886	0.25403	0.051792	0.264	0.001155	0.98015	0.115794
0.113831	0.01384	0.108381	0.01914	0.116502	0.01175	0.058599	0.20622	0.144572
0.003713	0.93621	0.024899	0.59146	0.11189	0.01556	0.046286	0.31822	0.158433
0.000911	0.98434	-0.03811	0.41122	0.00245	0.95789	-0.11919	0.00994	0.050902
0.129509	0.00506	0.07389	0.11078	0.055351	0.23254	0.050684	0.27437	0.068975
0.031802	0.49298	0.014581	0.75332	0.184869	5.84E-05	0.194954	2.21E-05	0.044229
-0.0016	0.97247	0.010993	0.81271	0.02033	0.66125	0.002894	0.95027	0.080328
0.067593	0.14471	0.08541	0.06516	0.140702	0.00231	0.071412	0.1233	0.095371
0.039808	0.39073	0.056568	0.22241	0.060264	0.1936	0.010183	0.82629	0.04624
0.010721	0.81726	0.039088	0.39936	0.023078	0.61888	-0.00925	0.84198	0.035453
0.105461	0.02265	0.149117	0.00123	0.119171	0.00995	0.049518	0.28557	0.113399
-0.0774	0.09481	-0.24829	5.43E-08	-0.15439	0.00082	-0.235	2.79E-07	-0.1969
0.078666	0.0895	0.223775	1.03E-06	-0.01263	0.78548	-0.03841	0.40761	0.157089
-0.15252	0.00094	-0.19127	3.17E-05	-0.25777	1.59E-08	-0.23607	2.46E-07	-0.22016
-0.02268	0.62494	-0.22884	5.78E-07	-0.07565	0.1025	-0.20751	6.14E-06	-0.04354
-0.01015	0.82675	0.045244	0.32926	0.031581	0.496	0.006049	0.89627	0.102066
0.131223	0.00451	0.080409	0.0826	0.14564	0.0016	0.158126	0.0006	0.172279
0.056629	0.22191	0.056277	0.2248	-0.03922	0.39779	-0.14826	0.00131	0.017741
0.099589	0.03142	-0.17404	0.00016	-0.05339	0.24953	-0.07226	0.11892	-0.09352
0.055165	0.23411	-0.11802	0.01069	0.096728	0.03665	0.006489	0.88877	0.007006
-0.01449	0.75474	0.042781	0.3563	0.025114	0.58827	-0.01096	0.81329	0.002785
-0.08948	0.05332	-0.13943	0.00253	-0.14842	0.0013	-0.1386	0.00269	-0.15551
0.065804	0.15567	0.147762	0.00136	0.057605	0.21403	0.05594	0.22759	0.167662
0.009512	0.83757	-0.02115	0.64846	0.029426	0.52586	0.008311	0.85784	0.088902
-0.04912	0.28948	-0.15568	0.00074	-0.21567	2.56E-06	-0.23779	2.00E-07	-0.17694
0.0042	0.92787	0.075177	0.10469	-0.22915	5.57E-07	-0.10054	0.02983	-0.15256
-0.16278	0.00041	-0.07657	0.09838	-0.26807	3.97E-09	-0.11442	0.01335	-0.19088
0.06782	0.14337	0.069145	0.13569	0.02491	0.5913	0.021019	0.6505	0.001775
0.21077	4.34E-06	0.111284	0.01613	0.089462	0.05336	-0.01349	0.77121	0.099017
0.140852	0.00228	0.109642	0.01778	0.240871	1.37E-07	0.283704	4.29E-10	0.13608
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0.033504	0.47012	-0.13161	0.00439	-0.00369	0.93669	0.014999	0.74648	0.023577
0.00774	0.86751	-0.10333	0.02555	-0.10325	0.02567	-0.14849	0.00129	-0.04042
-0.18839	4.19E-05	-0.10666	0.02115	-0.17538	0.00014	-0.0682	0.14113	-0.11801
0.116237	0.01195	-0.05083	0.27297	0.197045	1.80E-05	0.176035	0.00013	0.074966
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-0.00221	0.96202	-0.01402	0.76258	0.116275	0.01192	0.066999	0.14829	0.108767
0.111263	0.01615	0.105171	0.02303	0.042949	0.35441	-0.01289	0.78113	0.1287
0.001326	0.97719	0.071984	0.12032	0.058613	0.20611	0.05511	0.23458	0.019652
0.049412	0.28661	0.087323	0.05935	-0.0108	0.81588	-0.04224	0.36237	0.061995
0.042531	0.35912	0.079418	0.08646	0.043499	0.34828	0.052623	0.2564	0.080938
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-0.02152	0.64272	0.012346	0.79016	0.197036	1.80E-05	0.197965	1.64E-05	0.178718
0.178899	0.0001	0.061457	0.18491	0.168351	0.00026	0.096864	0.03639	0.064012
0.165294	0.00033	0.07631	0.09955	0.097547	0.03508	0.028864	0.5338	0.125122
0.055665	0.22989	-0.0656	0.15694	-0.13331	0.0039	-0.03024	0.51454	-0.11135
0.011573	0.80303	-0.02845	0.53974	-0.09539	0.03934	-0.03996	0.38894	-0.01758
0.040533	0.38215	0.030188	0.5152	0.113664	0.01398	0.087128	0.05992	0.127165
0.213594	3.20E-06	0.21315	3.36E-06	0.228394	6.09E-07	0.265922	5.33E-09	0.22324
0.025494	0.58263	0.090365	0.05099	-0.05608	0.22642	-0.05709	0.21819	0.042056
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0.04847	0.29591	0.020146	0.66411	-0.01413	0.76068	-0.03098	0.50417	-0.04944
0.046871	0.31215	0.112833	0.0147	0.02367	0.60991	-0.00742	0.87301	0.017268
0.150525	0.0011	-0.03992	0.38939	0.186932	4.81E-05	0.024973	0.59036	0.126756
0.051611	0.26567	-0.14449	0.00174	0.048535	0.29525	-0.16541	0.00033	0.100645
0.292588	1.14E-10	0.268632	3.67E-09	0.313692	4.02E-12	0.307401	1.12E-11	0.1402
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0.088563	0.05581	-0.14668	0.00148	-0.21246	3.62E-06	-0.20817	5.72E-06	-0.19464
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0.270618	2.79E-09	0.048892	0.29172	0.080585	0.08192	-0.0166	0.72053	0.174006
0.065891	0.15513	0.006429	0.8898	-0.10069	0.02959	-0.03154	0.4966	-0.06209
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0.105252	0.02292	0.059662	0.19809	0.007738	0.86755	0.004664	0.91993	0.025469
0.019449	0.67506	-0.03903	0.40012	0.024315	0.60019	-0.03684	0.4271	0.008569
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0.035823	0.43992	-0.02165	0.64073	-0.00853	0.85413	-0.02174	0.63942	0.004485
0.094724	0.04075	0.030684	0.50832	0.192878	2.71E-05	0.244416	8.84E-08	0.090129
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0.019698	0.67115	-0.0135	0.77103	0.020957	0.65147	0.044215	0.34039	-0.0166
0.320378	1.32E-12	0.044422	0.33813	0.278363	9.31E-10	0.052603	0.25658	0.170565
0.159256	0.00055	0.130973	0.00458	0.141522	0.00217	0.080848	0.08093	0.275323
0.050852	0.27278	0.120035	0.00942	-0.08509	0.06617	-0.03494	0.4513	0.03106
0.160909	0.00048	0.099294	0.03193	0.105165	0.02303	0.038222	0.4099	0.169902
0.085798	0.06395	0.071714	0.12172	0.018005	0.69795	0.008318	0.85772	0.020356
0.177337	0.00012	-0.01971	0.67094	0.215842	2.51E-06	0.06503	0.16061	0.205537

0.163744	0.00038	0.151227	0.00104	0.141944	0.00211	0.14941	0.0012	0.034421
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0.116941	0.01144	-0.05093	0.27204	0.049653	0.28426	0.001454	0.975	-0.00075
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0.20478	8.16E-06	0.153224	0.00089	0.131305	0.00448	0.049037	0.29028	0.180028
0.057147	0.2177	-0.00351	0.9397	0.092099	0.04668	0.072732	0.1165	0.068965
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0.103542	0.02525	0.145753	0.00159	0.164953	0.00034	0.040663	0.38062	0.230889
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0.05194	0.26263	-0.00484	0.91699	-0.05805	0.21054	-0.06297	0.1743	-0.00197
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0.141077	0.00224	0.025465	0.58306	0.099203	0.03209	0.128442	0.00544	0.139687
0.003055	0.9475	0.020424	0.65977	0.118335	0.01049	0.097402	0.03536	0.078525
0.096598	0.03691	0.061474	0.18478	0.126692	0.00612	0.079598	0.08575	-0.06615
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0.041939	0.36585	0.020856	0.65304	-0.02301	0.61985	-0.00627	0.89247	0.032938
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0.085442	0.06506	0.040275	0.38519	0.058845	0.20432	0.020405	0.66007	0.107765
0.185363	5.58E-05	-0.05549	0.23135	0.104354	0.02412	0.013479	0.77142	0.050833
0.070643	0.12741	-0.02506	0.58912	-0.06027	0.19356	-0.08099	0.08041	-0.00409
0.053674	0.24702	0.048642	0.29419	-0.11206	0.0154	-0.09166	0.04774	0.064645
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0.019439	0.67523	-0.04955	0.28531	0.064387	0.1648	-0.05265	0.25613	0.059719
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-0.255	2.29E-08	-0.39852	3.16E-19	-0.27149	2.47E-09	-0.39144	1.50E-18	-0.26816
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0.025418	0.58375	-0.01041	0.82243	-0.05579	0.2288	-0.10422	0.0243	0.019839
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0.134325	0.00364	0.106074	0.02187	0.159728	0.00053	0.032233	0.48714	0.23184
0.214817	2.81E-06	0.045309	0.32857	0.21832	1.91E-06	0.0762	0.10004	0.177228
0.132868	0.00402	0.18378	6.47E-05	0.17511	0.00014	0.070204	0.12979	0.280464
0.31701	2.32E-12	0.215624	2.57E-06	0.274564	1.60E-09	0.174103	0.00016	0.287127
0.046598	0.31497	0.210412	4.51E-06	0.315746	2.86E-12	0.282234	5.32E-10	0.35167

-0.01944	0.6752	-0.05637	0.224	0.018233	0.69433	-0.04279	0.35621	0.015684
-0.1651	0.00034	-0.2015	1.14E-05	-0.27373	1.80E-09	-0.25096	3.86E-08	-0.2586
0.163283	0.0004	-0.06455	0.16376	0.204019	8.83E-06	0.067221	0.14695	0.130065
0.040408	0.38362	-0.02046	0.65926	-0.08154	0.07834	-0.0915	0.04812	0.004138
0.066985	0.14837	-0.03925	0.39738	0.05824	0.20902	-0.03879	0.40302	0.020537
-0.02447	0.59783	-0.06899	0.13658	-0.01523	0.74269	-0.09919	0.03211	-0.01529
-0.09996	0.0308	-0.17194	0.00019	-0.10406	0.02452	-0.17237	0.00018	-0.07569
0.073354	0.1134	0.065638	0.15673	0.009048	0.84538	0.019452	0.67501	-0.01534
-0.02463	0.59554	0.062911	0.17471	-0.00248	0.95729	0.019423	0.67548	0.026455
0.162827	0.00041	0.151815	0.001	0.205029	7.96E-06	0.156554	0.00069	0.23173
0.087367	0.05922	-0.04646	0.31646	0.114779	0.01307	0.039775	0.39112	0.084054
0.42802	3.16E-22	0.279214	8.24E-10	0.032762	0.48001	0.096748	0.03661	0.112648
0.37954	1.89E-17	0.230006	5.04E-07	0.049548	0.28528	0.125227	0.00674	0.151428
0.158325	0.00059	0.048968	0.29097	0.189792	3.66E-05	0.093342	0.04379	0.145441
0.035015	0.45032	-0.11497	0.01291	0.055829	0.22852	-0.0852	0.06583	0.050034
0.001141	0.98038	0.074012	0.11019	0.118971	0.01008	0.033424	0.47118	0.222776
-0.06386	0.16828	-0.11238	0.01511	-0.17364	0.00016	-0.20058	1.26E-05	-0.17146
0.113981	0.01372	0.125753	0.00651	-0.01436	0.75688	-0.10589	0.0221	0.132219
-0.06635	0.1523	-0.02608	0.57406	-0.18889	3.99E-05	-0.04614	0.31981	-0.14674
-0.01313	0.77724	-0.03768	0.41661	-0.0735	0.11267	-0.02063	0.65651	0.015255
-0.11267	0.01485	-0.16265	0.00042	-0.20908	5.20E-06	-0.19443	2.33E-05	-0.08408
0.096512	0.03708	0.145126	0.00166	0.137514	0.0029	0.087502	0.05883	0.137992
0.042629	0.358	-0.15476	0.00079	-0.10123	0.02872	-0.1543	0.00082	-0.11192
-0.02556	0.5816	-0.04397	0.34309	0.051393	0.26771	-0.00736	0.87395	0.04758
0.240454	1.44E-07	-0.00278	0.95224	0.187661	4.49E-05	0.093234	0.04403	0.091771
0.005901	0.89881	0.102851	0.02624	0.125534	0.0066	0.248173	5.51E-08	0.089466
0.103443	0.02539	0.146871	0.00146	0.049321	0.2875	0.057008	0.21882	0.139046
0.138794	0.00265	0.076463	0.09887	0.003745	0.93566	-0.12432	0.00715	0.039122
0.212489	3.61E-06	0.046529	0.3157	0.288576	2.08E-10	0.032201	0.48757	0.291607
-0.11342	0.01419	-0.04749	0.30577	-0.00444	0.92376	0.049993	0.28097	-0.03162
0.096411	0.03728	0.144226	0.00178	0.175793	0.00013	0.14085	0.00228	0.178246
0.054453	0.24021	0.012447	0.78849	0.028015	0.5459	-0.0876	0.05854	0.1453
0.086104	0.063	0.126629	0.00614	0.088349	0.05641	0.087946	0.05755	0.117542
-0.05794	0.21139	-0.21628	2.39E-06	-0.10739	0.02028	-0.20215	1.07E-05	-0.03692
-0.00946	0.83847	0.074033	0.1101	0.05107	0.27072	0.02461	0.59578	0.189851
-0.07367	0.11184	-0.07949	0.08617	0.053702	0.24677	0.065379	0.15837	0.035646
0.097034	0.03606	0.020062	0.66544	-0.00844	0.8557	-0.0533	0.25034	-0.00664
-0.00059	0.98983	-0.08632	0.06235	-0.2097	4.86E-06	-0.22321	1.10E-06	-0.13403
0.142074	0.00209	0.09161	0.04786	0.198147	1.61E-05	0.156362	0.0007	0.149828
0.262679	8.27E-09	0.227375	6.85E-07	0.272733	2.07E-09	0.168655	0.00025	0.273834
0.063204	0.17271	-0.00273	0.95313	-0.00022	0.99624	-0.0547	0.23805	0.070033
0.110805	0.0166	0.146779	0.00147	0.158812	0.00057	0.217955	1.99E-06	0.187135
0.136551	0.00311	0.011458	0.80495	0.125037	0.00682	0.03846	0.40698	0.181166
-0.09928	0.03195	-0.249	4.96E-08	-0.19274	2.75E-05	-0.24638	6.91E-08	-0.14494
0.04377	0.34528	-0.03151	0.49698	0.009968	0.8299	-0.09417	0.04195	0.099534

-0.08022	0.08333	-0.04859	0.29473	-0.09952	0.03154	-0.06254	0.17728	0.007893
0.007822	0.86613	0.08927	0.05388	0.004344	0.92542	0.000176	0.99697	0.007938
0.099041	0.03237	-0.09502	0.04013	0.222185	1.24E-06	-0.01015	0.82682	0.098917
0.32728	4.04E-13	0.257054	1.75E-08	0.267852	4.09E-09	0.230126	4.97E-07	0.277501
0.138488	0.00271	-0.02322	0.61664	-0.20143	1.15E-05	-0.12766	0.00573	-0.16654
0.02355	0.61172	0.116919	0.01145	-0.07185	0.12101	0.002013	0.9654	-0.03357
0.043156	0.35209	-0.03215	0.48825	0.049413	0.2866	-0.09514	0.03987	0.129328
-0.02767	0.55089	0.031278	0.50014	-0.01801	0.69785	-0.03578	0.44049	-0.04356
0.247778	5.80E-08	0.033201	0.47415	0.209033	5.22E-06	0.077752	0.09329	0.092579
0.114486	0.0133	0.108136	0.01942	0.103437	0.0254	0.108173	0.01938	0.080881
-0.01101	0.81249	0.000854	0.98531	-0.02341	0.61378	0.053367	0.24974	-0.01538
-0.05043	0.27675	0.086792	0.06092	-0.04897	0.29097	0.006697	0.88523	0.009355
-0.10258	0.02665	-0.0153	0.74161	-0.17843	0.00011	-0.11892	0.0101	-0.08562
0.172319	0.00018	0.084497	0.0681	0.015207	0.74309	0.05202	0.2619	0.035436
0.060337	0.19306	0.144553	0.00174	0.016689	0.71907	0.065823	0.15556	0.004472
0.016072	0.72903	0.001146	0.9803	0.034099	0.46227	-0.00293	0.9497	-0.01811
-0.00998	0.82964	-0.01304	0.77867	-0.03744	0.41958	-0.04616	0.3195	0.008907
-0.03499	0.45062	0.067249	0.14678	0.025831	0.57766	0.08611	0.06298	0.063814
0.272919	2.02E-09	0.330959	2.12E-13	0.342142	2.86E-14	0.393042	1.06E-18	0.170377
0.029108	0.53035	0.113443	0.01417	0.052538	0.25718	0.031297	0.49988	0.110349
0.060985	0.18831	0.140635	0.00232	-0.05755	0.21448	-0.02396	0.60552	0.015755
-0.25693	1.78E-08	-0.16285	0.00041	-0.08302	0.07307	-0.04439	0.33846	-0.07324
-0.02068	0.65583	0.009503	0.83771	-0.01681	0.71715	-0.04486	0.3334	0.013782
0.05394	0.24468	0.078187	0.09147	-0.00408	0.92994	0.002614	0.95507	0.035903
-0.00463	0.92043	0.019158	0.67965	-0.0758	0.10182	-0.05601	0.22699	-0.0379
-0.03036	0.51276	-0.19289	2.71E-05	-0.02006	0.66545	-0.22925	5.51E-07	-0.05485
-0.04869	0.29369	0.074332	0.10866	-0.17788	0.00011	-0.1315	0.00442	0.002559
0.068272	0.14072	0.006598	0.88692	-0.16964	0.00023	-0.18031	8.92E-05	-0.16406
0.025211	0.58682	0.013817	0.76585	0.095983	0.03813	0.041536	0.37048	0.006171
0.019374	0.67624	-0.02836	0.54092	0.069629	0.13297	0.082519	0.07483	0.068829
0.321766	1.04E-12	0.269814	3.12E-09	0.321475	1.09E-12	0.323636	7.56E-13	0.248015
0.022203	0.63223	-0.00237	0.95928	-0.059	0.20312	-0.0033	0.94333	-0.01754
-0.08918	0.05412	-0.112	0.01545	-0.13589	0.00326	-0.14096	0.00226	-0.13836
0.089697	0.05274	0.073121	0.11456	-0.00347	0.94047	0.034064	0.46272	-0.01824
-0.2371	2.17E-07	-0.01994	0.66734	-0.29119	1.40E-10	-0.12632	0.00627	-0.20144
0.179538	9.57E-05	0.148599	0.00128	0.082767	0.07396	0.134302	0.00364	0.026817
0.007594	0.87	0.105926	0.02206	0.023676	0.6098	-0.01535	0.74079	0.088421
0.10284	0.02626	0.13633	0.00316	0.08797	0.05748	0.10676	0.02103	0.066607
0.006662	0.88582	0.1213	0.00869	-0.02327	0.61599	-0.02855	0.53831	0.060825
-0.08858	0.05577	-0.17206	0.00019	0.01043	0.82214	-0.08379	0.07045	-0.03509
0.175114	0.00014	0.201449	1.15E-05	0.223037	1.13E-06	0.221553	1.33E-06	0.052752
0.083475	0.07151	0.041154	0.3749	0.055479	0.23146	0.01759	0.7046	0.050346
0.024271	0.60086	-0.00542	0.90693	-0.02035	0.66094	-0.06111	0.18738	0.075698
0.151209	0.00105	0.036214	0.43495	0.042208	0.36277	0.072358	0.1184	0.022848
-0.02124	0.64706	0.007571	0.87039	-0.01131	0.80742	0.029851	0.51991	0.029979

0.106201	0.02171	0.012554	0.78672	-0.09594	0.03822	-0.18361	6.58E-05	-0.10645
-0.0041	0.92967	0.031357	0.49905	0.082279	0.07568	0.051148	0.26999	0.07703
0.158256	0.0006	0.272671	2.09E-09	0.122731	0.00793	0.25859	1.43E-08	-0.02619
0.021162	0.64829	-0.04639	0.31713	0.147521	0.00139	0.094159	0.04197	0.104063
0.061135	0.18723	0.010784	0.81621	0.179147	9.92E-05	0.065228	0.15934	0.037143
-0.02936	0.5268	-0.09382	0.04271	-0.00899	0.84644	-0.13787	0.00283	0.001866
-0.25448	2.45E-08	-0.37886	2.18E-17	-0.2993	4.04E-11	-0.29779	5.12E-11	-0.25041
-0.21557	2.58E-06	-0.13231	0.00418	-0.29902	4.22E-11	-0.1347	0.00354	-0.24732
-0.10335	0.02553	-0.10733	0.02034	-0.05303	0.2527	-0.02595	0.57586	-0.04725
-0.06337	0.17158	-0.0256	0.58106	-0.02971	0.52191	0.029519	0.52456	-0.02272
0.00322	0.94467	0.027117	0.55886	-0.04562	0.32521	-0.00222	0.96184	-0.0414
-0.06389	0.16811	0.033781	0.46646	-0.0711	0.12493	-0.04002	0.3882	0.043699
-0.00604	0.89649	0.203412	9.41E-06	-0.0391	0.39922	-0.02318	0.61735	0.014563
-0.04748	0.30587	-0.02348	0.61272	-0.02758	0.55216	-0.03474	0.45392	0.005497
0.086204	0.06269	-0.01532	0.7413	0.094419	0.0414	0.016966	0.7146	0.185463
-0.07838	0.09068	-0.14396	0.00181	-0.01473	0.75086	-0.13994	0.00244	0.031076
-0.07893	0.08843	-0.24082	1.38E-07	-0.02133	0.64569	-0.18108	8.31E-05	-0.0058
-0.01476	0.75034	0.073523	0.11257	0.0126	0.78596	0.118875	0.01014	0.045271
-0.00636	0.89096	-0.07818	0.0915	0.026233	0.57175	0.06278	0.17561	-0.03758
-0.04704	0.31035	-0.0795	0.08613	-0.09479	0.04061	-0.1653	0.00033	-0.0649
0.195168	2.16E-05	-0.12522	0.00674	-0.12523	0.00673	-0.13757	0.00289	-0.12293
0.085628	0.06448	0.050143	0.27953	0.089132	0.05425	0.055704	0.22956	0.212149
-0.02025	0.66251	0.05297	0.25328	-0.13804	0.0028	-0.09348	0.04347	-0.02157
0.034696	0.45445	-0.05569	0.22964	0.041731	0.36823	-0.089	0.0546	0.100249
-0.03246	0.4841	0.067564	0.14489	-0.02366	0.61006	0.018297	0.69331	0.051771
0.158924	0.00057	0.015139	0.7442	0.1158	0.01227	0.103812	0.02487	0.068963
0.206631	6.73E-06	0.403055	1.14E-19	0.066909	0.14883	0.209147	5.16E-06	0.018766
0.000383	0.99342	-0.04347	0.34855	-0.02206	0.63447	-0.05837	0.208	-0.04284
0.107234	0.02046	0.139076	0.00259	0.180406	8.84E-05	0.126814	0.00607	0.129317
0.090985	0.04941	-0.25676	1.82E-08	0.067248	0.14678	-0.15122	0.00105	-0.09847
0.00774	0.86752	0.183095	6.90E-05	0.150384	0.00112	0.157521	0.00063	0.170113
-0.18276	7.12E-05	-0.38365	7.99E-18	-0.23267	3.69E-07	-0.38224	1.08E-17	-0.27104
0.020942	0.6517	-0.12035	0.00923	0.062657	0.17646	-0.05938	0.20019	0.054972
0.021888	0.63707	0.046115	0.32002	-0.02353	0.61197	-0.02987	0.51957	0.072785
-0.00988	0.83135	0.078256	0.09119	-0.09089	0.04964	0.114277	0.01347	-0.0783
0.026585	0.56659	-0.05356	0.248	-0.02373	0.60901	-0.00605	0.89626	-0.05503
0.01985	0.66876	-0.07561	0.10268	-0.02267	0.62514	-0.09006	0.05178	-0.02038
-0.01008	0.82795	0.091952	0.04703	-0.03945	0.39495	0.015713	0.73486	-0.02516
-0.06967	0.13276	0.051685	0.26499	-0.15902	0.00056	0.010719	0.81729	-0.22138
0.242972	1.06E-07	0.309944	7.42E-12	0.281048	6.32E-10	0.314966	3.25E-12	0.151842
0.217427	2.11E-06	0.324589	6.42E-13	0.14485	0.0017	0.305476	1.52E-11	0.004176
0.022646	0.62545	-0.03861	0.40516	0.00623	0.89319	-0.02205	0.63457	0.059366
-0.0048	0.91769	-0.06468	0.16291	-0.18176	7.81E-05	-0.13619	0.00319	-0.13495
0.000741	0.98726	-0.03321	0.47402	0.070803	0.12654	0.088797	0.05517	0.000542
0.065614	0.15688	0.337522	6.61E-14	0.029165	0.52955	0.2191	1.75E-06	0.018066

0.044554	0.3367	-0.03362	0.46853	0.173347	0.00017	0.025513	0.58235	0.154829
0.043082	0.35291	-0.00592	0.8985	-0.16782	0.00027	-0.08193	0.07693	-0.14653
0.090556	0.0505	0.133718	0.00379	0.104534	0.02387	0.091954	0.04703	0.120634
-0.04297	0.35418	0.06214	0.18006	-0.10893	0.01854	-0.05345	0.24899	-0.06052
0.081715	0.07771	0.004344	0.9254	-0.02366	0.61001	0.017051	0.71324	0.003177
0.24003	1.52E-07	0.198332	1.58E-05	0.099477	0.03161	0.088678	0.05549	0.174215
0.077104	0.09606	0.067256	0.14674	0.045688	0.32453	0.049231	0.28838	0.106837
0.193866	2.46E-05	0.080289	0.08306	-0.05462	0.23875	-0.01507	0.74532	0.019633
-0.03819	0.4103	-0.24399	9.32E-08	-0.02843	0.53999	-0.26078	1.07E-08	-0.05107
-0.01438	0.75653	-0.08312	0.07274	0.009355	0.84021	-0.05386	0.24534	-0.0946
0.341616	3.15E-14	0.138499	0.0027	0.351417	5.09E-15	0.161077	0.00048	0.274066
0.056971	0.21913	0.032838	0.479	0.156957	0.00066	0.143384	0.00189	0.215363
0.041062	0.37596	-0.00712	0.87809	-0.02735	0.55547	-0.04194	0.36587	0.021733
0.314756	3.37E-12	0.354787	2.68E-15	0.337233	6.96E-14	0.462362	4.11E-26	0.21891
-0.05034	0.27765	0.045482	0.32671	-0.08195	0.07687	-0.01835	0.69244	-0.01183
0.047502	0.30566	0.018738	0.6863	0.001425	0.9755	-0.00837	0.85685	-0.01965
0.124724	0.00696	0.15361	0.00087	-0.00388	0.93337	0.029628	0.52303	-0.02423
0.00456	0.92171	0.062559	0.17714	0.006912	0.88158	-0.00939	0.8397	0.0568
0.004072	0.93007	0.005483	0.90594	-0.03867	0.40439	-0.08647	0.06189	-0.07789
0.050369	0.27737	0.012778	0.783	0.041178	0.37462	-0.03361	0.46872	0.010646
-0.05898	0.20327	-0.10777	0.01983	-0.0734	0.11319	-0.05582	0.22862	-0.11096
-0.06943	0.13407	-0.07275	0.11642	-0.0378	0.41505	-0.09161	0.04786	-0.06734
0.090108	0.05166	0.180061	9.13E-05	0.141904	0.00211	0.131433	0.00444	0.084322
0.127138	0.00594	0.145013	0.00168	0.107858	0.01973	0.151543	0.00102	0.091834
-0.06577	0.15589	0.06795	0.1426	0.051368	0.26793	0.039652	0.39259	0.065886
0.074321	0.10872	0.113267	0.01432	-0.13711	0.00299	-0.10688	0.02088	-0.07533
0.182909	7.02E-05	0.02822	0.54297	0.088566	0.05581	0.003241	0.94431	0.085307
0.172654	0.00018	0.175728	0.00014	0.211251	4.12E-06	0.105013	0.02323	0.297501
0.118577	0.01033	0.162434	0.00042	0.151501	0.00102	0.092114	0.04665	0.110383
0.281897	5.58E-10	0.171529	0.0002	0.247988	5.64E-08	0.221521	1.33E-06	0.134716
0.063565	0.17026	0.19367	2.51E-05	0.091687	0.04768	0.129501	0.00507	0.115139
-0.02884	0.53419	0.105153	0.02305	0.05987	0.19653	0.086066	0.06312	0.044095
0.018967	0.68268	0.134396	0.00362	0.092679	0.04531	0.135362	0.00338	0.063473
0.079246	0.08715	-0.03816	0.41066	0.165381	0.00033	0.060271	0.19354	0.105468
0.158874	0.00057	0.084213	0.06903	0.13884	0.00264	0.083963	0.06986	0.076691
0.171796	0.00019	0.141733	0.00214	0.145475	0.00162	0.142452	0.00203	0.091153
0.300062	3.59E-11	0.091723	0.04759	0.04635	0.31756	0.032894	0.47825	-0.01618
0.114901	0.01297	0.166773	0.00029	-0.06261	0.17679	0.03924	0.39753	0.02365
0.125213	0.00674	0.058761	0.20497	0.007935	0.8642	-0.01055	0.82009	0.061563
0.205586	7.51E-06	0.092871	0.04486	0.041379	0.37228	-0.07828	0.09108	0.104796
0.153857	0.00085	0.050311	0.27792	0.02637	0.56974	0.005094	0.91258	-0.00865
0.176127	0.00013	0.075778	0.10194	0.00569	0.9024	0.017704	0.70276	-0.01244
0.081171	0.07972	0.091052	0.04925	0.086052	0.06316	0.06052	0.19171	0.07154
0.103851	0.02481	0.131136	0.00453	0.059795	0.19709	0.046478	0.31622	0.058061
0.064863	0.16169	0.137697	0.00286	0.037735	0.4159	0.112788	0.01474	0.032755

0.103312	0.02558	0.041531	0.37053	0.026356	0.56995	0.070446	0.12847	-0.00764
0.091404	0.04837	0.068679	0.13836	0.0142	0.75956	0.081172	0.07972	0.003808
0.141451	0.00218	0.098694	0.03298	0.000176	0.99697	0.037827	0.41476	-0.00988
0.10244	0.02685	0.066444	0.15168	0.084255	0.06889	0.041272	0.37352	0.046384
0.123915	0.00734	0.142447	0.00203	0.107853	0.01974	0.053403	0.24941	0.112384
0.030064	0.51693	-0.15893	0.00057	-0.16618	0.00031	-0.11821	0.01057	-0.23451
-0.02526	0.58609	0.047749	0.30315	-0.05251	0.25745	0.002718	0.95328	-0.04041
-0.03285	0.47883	0.03713	0.42341	0.059114	0.20225	0.136074	0.00321	0.081421
0.173339	0.00017	-0.01506	0.74553	-0.08558	0.06462	-0.06304	0.17385	-0.0155
0.017381	0.70793	-0.05818	0.20948	-0.0145	0.75467	0.006266	0.89257	-0.03336
-0.2368	2.25E-07	-0.2754	1.42E-09	-0.21966	1.64E-06	-0.17693	0.00012	-0.33052
-0.01276	0.78322	-0.06603	0.15424	-0.10002	0.03069	-0.11298	0.01457	-0.16208
0.059315	0.20072	0.114421	0.01336	0.175449	0.00014	0.109388	0.01805	0.218656
-0.04484	0.33355	-0.10595	0.02202	-0.04936	0.28716	-0.11504	0.01286	-0.00714
0.325286	5.70E-13	0.242306	1.15E-07	0.146378	0.00151	0.072761	0.11636	0.251046
-0.04701	0.3107	0.019752	0.67029	0.098614	0.03313	0.154169	0.00083	0.038304
-0.18046	8.80E-05	-0.10195	0.0276	0.098771	0.03285	0.076167	0.10018	0.034506
0.082342	0.07546	0.065889	0.15514	0.042508	0.35937	0.035926	0.43862	0.048314
-0.01644	0.7231	0.016664	0.71947	0.021906	0.6368	-0.01977	0.67001	0.129676
-0.01951	0.67406	0.014218	0.75927	-0.04851	0.29556	0.035232	0.44751	-0.08192
-0.02039	0.66029	-0.18454	6.03E-05	0.002477	0.95743	-0.04528	0.32885	-0.03947
-0.009	0.84619	-0.0444	0.33837	0.016923	0.71529	-0.01811	0.69627	0.010972
0.063952	0.16767	-0.03759	0.41772	0.156234	0.0007	0.078177	0.09151	0.114565
-0.02542	0.58365	-0.01815	0.69569	0.018648	0.68772	-0.01839	0.69186	0.027552
0.080968	0.08048	0.128052	0.00558	0.092412	0.04594	0.079007	0.08811	0.141276
0.10389	0.02476	0.317639	2.08E-12	0.025631	0.58061	0.225518	8.48E-07	0.057605
0.145034	0.00168	-0.06293	0.17457	-0.09792	0.03438	-0.05893	0.20369	-0.1332
0.036051	0.43702	0.106937	0.02081	-0.13807	0.00279	-0.03066	0.5086	-0.1533
-0.17348	0.00016	0.060606	0.19108	-0.15784	0.00062	-0.00035	0.99394	0.002927
-0.01626	0.72604	-0.06565	0.15664	-0.11705	0.01136	-0.09104	0.04928	-0.14642
-0.06175	0.18282	-0.08732	0.05934	-0.05863	0.20597	-0.00029	0.9951	-0.04733
0.180677	8.62E-05	0.201049	1.20E-05	0.298605	4.50E-11	0.319445	1.54E-12	0.139194
0.071967	0.12041	0.053609	0.24759	-0.19627	1.94E-05	0.024948	0.59073	-0.1151
-0.00481	0.9174	-0.13594	0.00325	0.062612	0.17677	-0.02553	0.58216	0.073156
-0.06749	0.14531	-0.07366	0.1119	-0.011	0.81255	0.021172	0.64813	-0.05195
0.098893	0.03263	0.075891	0.10143	0.076535	0.09855	0.086931	0.0605	0.026186
-0.01837	0.69219	-0.01062	0.81893	0.009544	0.83703	0.005018	0.91387	-0.00179
-0.08838	0.05632	-0.00172	0.97048	-0.06887	0.13724	0.002978	0.94882	0.012776
0.119098	0.00999	0.223533	1.06E-06	0.143026	0.00195	0.130543	0.00472	0.189727
-0.06366	0.16964	-0.16305	0.0004	0.003387	0.94181	-0.00815	0.86055	-0.02732
0.139733	0.00247	0.140946	0.00227	0.061222	0.1866	0.044709	0.33502	0.073397
-0.03763	0.41719	-2.69E-05	0.99954	-0.23776	2.00E-07	-0.18529	5.62E-05	-0.1035
0.221879	1.28E-06	0.347812	1.00E-14	0.26942	3.29E-09	0.213967	3.08E-06	0.223325
-0.01605	0.7294	-0.03773	0.41591	0.005274	0.9095	-0.03608	0.43663	0.022045
-0.07275	0.11643	-0.06749	0.14532	-0.01364	0.7687	-0.03869	0.40414	-0.01732



-0.00848	0.85499	-0.05097	0.27171	0.015805	0.73337	-0.0327	0.48089	-0.01669
0.027362	0.5553	0.089808	0.05244	0.12811	0.00556	0.040447	0.38316	0.160102
0.173396	0.00017	0.069428	0.1341	0.002022	0.96524	-0.06808	0.14186	0.053298
0.064654	0.16304	0.009741	0.83371	-0.01479	0.74991	-0.04359	0.34731	0.086399
-0.0187	0.68684	-0.04306	0.35322	-0.02623	0.57176	-0.06319	0.1728	-0.03007
-0.00285	0.95107	-0.02745	0.55409	0.032049	0.48963	-0.08634	0.06228	0.027684
0.091368	0.04846	-0.05276	0.25513	0.137049	0.003	0.068789	0.13772	0.078379
-0.06766	0.14432	-0.07278	0.11626	-0.15778	0.00062	-0.16371	0.00038	-0.01945
0.17941	9.68E-05	0.1099	0.01751	-0.06459	0.16343	-0.13156	0.0044	-0.00439
-0.00201	0.9654	-0.01663	0.71999	0.063477	0.17086	0.028714	0.53593	0.033041
0.114542	0.01326	0.152091	0.00098	-0.02913	0.5301	0.146046	0.00155	-0.04618
0.192934	2.70E-05	0.233639	3.29E-07	0.222236	1.23E-06	0.305953	1.41E-11	0.128786
0.119101	0.00999	0.176255	0.00013	0.077629	0.09381	0.210287	4.57E-06	0.059047
-0.05529	0.23306	0.039545	0.39387	-0.10367	0.02507	-0.03385	0.46555	-0.05725
0.211791	3.89E-06	0.146608	0.00149	0.109577	0.01785	0.167813	0.00027	-0.00795
0.325145	5.83E-13	0.059493	0.19937	0.206301	6.97E-06	0.031699	0.49438	0.195964
0.087287	0.05945	0.061638	0.18362	0.080724	0.0814	0.032063	0.48943	0.108364
0.104368	0.0241	0.062729	0.17596	0.041459	0.37137	-0.01907	0.68098	0.079943
0.118033	0.01069	0.199515	1.40E-05	0.098549	0.03324	0.029352	0.5269	0.244287
-0.27943	7.98E-10	-0.1895	3.76E-05	-0.22189	1.28E-06	-0.10337	0.02549	-0.28786
0.059666	0.19807	0.092459	0.04583	0.272433	2.16E-09	0.342179	2.84E-14	0.120189
-0.12858	0.00539	-0.13685	0.00304	-0.02594	0.57603	0.066522	0.1512	-0.18051
0.063214	0.17264	0.193139	2.64E-05	0.226133	7.90E-07	0.391639	1.44E-18	0.112568
0.024735	0.59391	0.012285	0.79117	-0.02767	0.55083	-0.00941	0.83928	0.041993
-0.02472	0.59413	0.193393	2.58E-05	-0.07507	0.10519	0.102709	0.02645	-0.05022
0.064914	0.16135	-0.0023	0.96055	0.023177	0.61737	0.016246	0.72622	-0.04392
0.200974	1.21E-05	0.045626	0.32518	0.134555	0.00358	0.150932	0.00107	0.088183
-0.1172	0.01126	-0.05069	0.27427	-0.24747	6.03E-08	-0.15937	0.00055	-0.27176
-0.03537	0.44579	-0.11157	0.01586	0.087376	0.05919	0.046906	0.31178	0.040287
-0.01774	0.70212	-0.05109	0.27053	-0.21571	2.54E-06	-0.21059	4.42E-06	-0.17527
0.122814	0.00788	-0.02948	0.52511	0.010912	0.81407	-0.02195	0.63613	0.027764
0.017083	0.71272	0.001397	0.97598	0.044888	0.33308	0.019368	0.67633	0.064464
-0.05651	0.22286	0.040826	0.37871	-0.00146	0.97493	0.021472	0.64349	0.112871
0.269372	3.31E-09	0.271875	2.34E-09	0.247582	5.94E-08	0.290788	1.49E-10	0.11498
0.162628	0.00042	0.015593	0.7368	0.25161	3.55E-08	0.081622	0.07806	0.179194
-0.00067	0.98853	0.056358	0.22413	0.069329	0.13465	0.048381	0.29679	0.152295
-0.07887	0.08867	-0.01864	0.68778	-0.12345	0.00756	0.018869	0.68422	-0.08838
0.020618	0.65675	0.130358	0.00478	0.07051	0.12812	-0.02524	0.58637	0.177378
-0.06447	0.16424	-0.05579	0.22882	-0.19115	3.21E-05	-0.16626	0.00031	-0.13989
-0.16929	0.00024	-0.06659	0.15079	-0.10057	0.02978	-0.05457	0.23921	-0.07658
0.057645	0.21371	0.173506	0.00016	0.068192	0.14118	0.015727	0.73463	0.097085
-0.05313	0.25182	-0.0369	0.42632	0.015526	0.73789	0.059277	0.20101	-0.047
-0.15489	0.00078	-0.08388	0.07014	-0.06318	0.1729	-0.10777	0.01983	-0.02761
-0.00952	0.83745	-0.0163	0.72531	-0.0303	0.5137	-0.0813	0.07924	-0.05381
-0.08902	0.05455	-0.03967	0.39242	-0.07744	0.09462	-0.07716	0.09584	-0.08278

-0.00554	0.90502	-0.05261	0.25654	-0.02636	0.56995	-0.08965	0.05287	-0.00427
-0.03056	0.51008	0.03381	0.46607	-0.03385	0.46556	-0.06439	0.16478	0.052358
0.127789	0.00568	0.042648	0.35779	0.13745	0.00292	0.052881	0.25408	0.195634
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0.132405	0.00415	-0.02237	0.6297	0.102624	0.02658	0.059114	0.20226	0.077216
-0.132	0.00427	-0.16253	0.00042	-0.23696	2.21E-07	-0.1666	0.0003	-0.19
0.057076	0.21827	0.127865	0.00566	-0.02636	0.56987	-0.05111	0.27035	0.075421
0.024361	0.5995	-0.04784	0.30222	0.099767	0.03112	0.027577	0.55221	0.312808
0.03777	0.41546	0.180283	8.94E-05	0.025356	0.58467	0.144668	0.00172	-0.00191
0.020276	0.66209	0.037208	0.42244	0.05965	0.19818	-0.01172	0.80051	0.147968
0.031443	0.49787	0.086862	0.06071	0.109149	0.0183	-0.023	0.6201	0.168221
0.039389	0.39574	0.156611	0.00068	0.072929	0.11551	0.097988	0.03426	0.080066
-0.00406	0.93026	0.05085	0.2728	0.026756	0.56411	0.064599	0.1634	0.012377
-0.23162	4.17E-07	-0.17573	0.00014	-0.21401	3.06E-06	-0.14743	0.0014	-0.19732
-0.03563	0.44246	-0.12366	0.00746	-0.09318	0.04416	-0.10993	0.01748	-0.14444
-0.0277	0.55039	-0.32436	6.68E-13	-0.02383	0.60742	-0.16476	0.00035	-0.10647
0.267397	4.35E-09	0.077838	0.09293	0.144598	0.00173	0.116695	0.01161	0.154809
-0.05984	0.19675	-0.22984	5.14E-07	-0.28155	5.87E-10	-0.21969	1.64E-06	-0.25347
0.075331	0.10398	0.048803	0.2926	-0.09734	0.03548	-0.13747	0.00291	-0.0188
-3.22E-05	0.99945	-0.1328	0.00404	0.034176	0.46125	-0.08404	0.06959	0.004668
0.123647	0.00747	-0.10827	0.01927	-0.06488	0.16157	-0.05949	0.19937	-0.13608
0.056448	0.2234	-0.01481	0.74951	0.112857	0.01468	0.04522	0.32951	0.037372
-0.02294	0.62095	-0.01761	0.7043	-0.05337	0.24974	-0.09681	0.0365	0.002115
0.031836	0.49251	-0.08829	0.05658	0.00321	0.94484	0.022361	0.62981	-0.02374
-0.06877	0.13781	-0.0984	0.03352	-0.2192	1.73E-06	-0.24868	5.17E-08	-0.10412
0.027217	0.55741	0.035555	0.44336	0.044773	0.33433	-0.07166	0.122	0.033554
0.013445	0.77198	0.007629	0.8694	0.065678	0.15647	0.019261	0.67803	0.055554
0.096363	0.03737	0.119074	0.01001	-0.03821	0.4101	-0.00537	0.90781	-0.04218
0.053616	0.24753	-0.04074	0.37978	0.044027	0.34244	-0.02345	0.61321	-0.01367
0.039813	0.39067	0.072256	0.11892	0.06017	0.1943	0.038606	0.40521	0.010324
-0.07364	0.11201	-0.03849	0.40661	0.02987	0.51964	-0.00628	0.89231	0.060426
0.123609	0.00749	-0.0414	0.37204	0.212295	3.69E-06	0.152474	0.00095	0.172361
0.187651	4.49E-05	0.013463	0.77168	0.110619	0.01678	0.070115	0.13028	0.074827
-0.04995	0.28143	0.003149	0.9459	0.091376	0.04844	0.080271	0.08313	0.111776
0.070013	0.13084	0.078717	0.08929	0.230321	4.86E-07	0.236507	2.33E-07	0.19088
-0.09138	0.04844	-0.12096	0.00888	-0.25628	1.94E-08	-0.30595	1.41E-11	-0.10025
0.082382	0.07532	0.008906	0.84778	0.166467	0.0003	0.136775	0.00306	0.08855
0.196802	1.84E-05	0.224363	9.68E-07	0.079489	0.08618	0.149674	0.00118	0.134614
0.053533	0.24826	0.076412	0.09909	0.010855	0.81501	0.035069	0.44962	0.065618
-0.12791	0.00564	-0.12419	0.00721	-0.02295	0.62077	-0.07668	0.0979	-0.02737
0.099799	0.03106	0.138956	0.00262	0.115192	0.01274	0.041752	0.368	0.064551
0.183326	6.75E-05	0.196345	1.93E-05	0.122333	0.00813	0.119159	0.00996	0.06418
0.000533	0.99084	0.03662	0.42981	-0.17257	0.00018	-0.00186	0.96803	-0.16536
-0.06452	0.16395	0.12115	0.00877	0.159169	0.00056	0.243525	9.88E-08	0.081475
0.070363	0.12892	-0.15271	0.00093	-0.13188	0.00431	-0.21146	4.03E-06	-0.10145

-0.17004	0.00022	-0.24785	5.74E-08	-0.29603	6.71E-11	-0.19711	1.78E-05	-0.36305
0.04264	0.35788	-0.0786	0.08976	0.004783	0.91789	-0.14145	0.00218	0.051607
-0.00843	0.85583	0.02227	0.63121	-0.01876	0.68596	0.001707	0.97065	-0.00407
-0.01077	0.81643	-0.01516	0.74382	-0.00105	0.98199	-0.02426	0.60106	0.013653
0.11916	0.00996	-0.02626	0.57134	0.01551	0.73816	-0.02618	0.57252	-0.03213
0.074035	0.11008	-0.00382	0.93439	0.06237	0.17845	0.02409	0.60357	0.016794
0.056655	0.22169	0.028182	0.54351	0.019923	0.6676	0.007647	0.86908	0.033466
0.066192	0.15325	0.093921	0.04249	0.046825	0.31262	0.059184	0.20172	0.042007
-0.02285	0.62228	-0.11002	0.01739	-0.08566	0.06436	-0.11571	0.01234	0.008846
0.051867	0.2633	-0.16348	0.00039	-0.09777	0.03466	-0.24691	6.46E-08	-0.1445
-0.00081	0.9861	0.037568	0.41796	-0.09731	0.03553	-0.00669	0.88533	-0.08376
-0.12328	0.00765	-0.12889	0.00528	-0.04995	0.28134	-0.07073	0.12693	-0.03801
-0.03744	0.41954	0.038095	0.41146	0.05308	0.25229	0.059214	0.20149	0.118592
-0.10175	0.02791	-0.03054	0.51037	-0.05907	0.20257	-0.05396	0.24447	-0.01434
0.032365	0.48536	-0.20028	1.30E-05	-0.09245	0.04585	-0.11203	0.01543	-0.09824
0.003956	0.93205	-0.01488	0.74842	0.157281	0.00065	0.002143	0.96316	0.231816
0.046872	0.31213	-0.10045	0.02997	0.120399	0.0092	-0.13004	0.00488	0.111288
-0.03905	0.39985	0.050332	0.27772	0.010488	0.82116	0.010051	0.8285	0.057296
0.027081	0.55938	0.098021	0.0342	-0.05535	0.23251	-0.03557	0.44315	0.051213
0.138673	0.00267	0.03401	0.46344	0.069079	0.13607	0.018813	0.68511	0.10537
-0.10863	0.01887	-0.06592	0.15495	-0.20285	9.97E-06	-0.19646	1.90E-05	-0.15371
0.052273	0.25958	0.000928	0.98405	0.026196	0.57229	0.001322	0.97726	-0.01971
-0.00881	0.84935	0.006735	0.88459	-0.0587	0.2054	-0.10381	0.02487	0.062712
-0.01895	0.68292	-0.14	0.00243	0.03563	0.4424	-0.02489	0.5916	-0.02093
-0.09616	0.03777	-0.10007	0.03061	0.085185	0.06588	-0.00568	0.90257	0.059583
0.006673	0.88564	0.001585	0.97276	0.0544	0.24067	0.018079	0.69678	0.030544
0.033571	0.46923	0.072911	0.11561	0.128445	0.00544	0.111039	0.01637	0.112184
0.03401	0.46344	-0.11868	0.01026	-0.04883	0.29228	-0.04132	0.373	-0.03214
-0.02862	0.5373	-0.21544	2.62E-06	-0.07355	0.11243	0.006893	0.88189	-0.10815
0.052547	0.2571	0.020025	0.66602	-0.16111	0.00047	-0.09914	0.0322	-0.08112
-0.12011	0.00938	-0.05322	0.25107	-0.04287	0.35531	-0.00373	0.93586	-0.04238
-0.13694	0.00302	-0.15821	0.0006	0.121849	0.00839	-0.01142	0.80562	0.086883
-0.19518	2.16E-05	-0.38256	1.00E-17	-0.18404	6.32E-05	-0.28286	4.85E-10	-0.27106
0.07435	0.10857	-0.17038	0.00022	-0.01495	0.74722	-0.10608	0.02186	0.02509
0.123391	0.00759	-0.0278	0.54894	0.21279	3.50E-06	0.019897	0.66802	0.200901
-0.15714	0.00065	-0.19346	2.56E-05	0.027458	0.55392	0.019237	0.6784	-0.00439
-0.07084	0.12636	-0.00374	0.93581	-0.08349	0.07146	-0.00947	0.83823	-0.049
0.071541	0.12262	-0.10424	0.02427	-0.16223	0.00043	-0.12517	0.00676	-0.14424
-0.09355	0.04332	0.0393	0.3968	-0.16011	0.00051	-0.14644	0.00151	-0.12772
-0.10825	0.01929	-0.02214	0.63323	-0.1444	0.00176	-0.14036	0.00236	-0.01636
-0.00227	0.96101	0.114065	0.01365	0.083903	0.07006	-0.02608	0.57401	0.082529
0.022411	0.62905	0.038967	0.40082	0.030346	0.51299	0.089866	0.05229	-0.07973
0.027009	0.56042	-0.04094	0.37743	0.08837	0.05635	0.01495	0.74728	0.009817
-0.01459	0.75314	0.055433	0.23184	-0.00644	0.88958	-0.00797	0.86364	0.033487
0.000881	0.98485	0.062909	0.17473	0.187565	4.53E-05	0.203643	9.18E-06	0.192138

-0.12829	0.0055	-0.2748	1.55E-09	-0.24736	6.11E-08	-0.36196	6.67E-16	-0.13754
-0.02006	0.66541	0.074667	0.10707	0.094447	0.04134	0.116962	0.01142	0.102339
-0.00187	0.96777	-0.01785	0.70042	0.081658	0.07793	0.049115	0.28952	0.081155
0.066005	0.15442	0.178031	0.00011	0.324111	6.97E-13	0.224084	9.99E-07	0.246313
0.183385	6.71E-05	0.27973	7.65E-10	0.090548	0.05052	0.09888	0.03265	0.040422
0.192244	2.88E-05	0.093931	0.04247	0.276311	1.25E-09	0.09743	0.0353	0.378331
-0.07367	0.11186	0.014817	0.74945	-0.03324	0.47361	-0.06615	0.15351	0.111062
-0.06937	0.13441	-0.14142	0.00219	0.092172	0.04651	0.091183	0.04892	0.069761
-0.13128	0.00449	-0.15189	0.00099	-0.08119	0.07966	-0.00842	0.85592	-0.12062
-0.04499	0.33201	0.171525	0.0002	-0.02484	0.59236	-0.01396	0.7635	0.024685
0.19365	2.51E-05	0.049464	0.2861	0.149914	0.00116	0.016178	0.72731	0.152059
0.244733	8.50E-08	0.057788	0.21258	0.20258	1.02E-05	0.007347	0.87419	0.200253
0.197998	1.63E-05	0.438561	2.26E-23	0.221742	1.30E-06	0.299263	4.07E-11	0.102455
-0.16446	0.00036	0.020103	0.66479	-0.12718	0.00592	0.041659	0.36906	-0.08835
-0.03016	0.51564	0.040153	0.38664	-0.16808	0.00026	-0.08197	0.0768	-0.17475
0.018597	0.68854	-0.0134	0.77276	0.14793	0.00135	-0.01794	0.69906	0.147945
-0.00178	0.96946	0.032459	0.48408	0.166262	0.00031	0.179417	9.68E-05	0.11738
-0.03605	0.43707	-0.06352	0.17054	-0.11631	0.0119	-0.09475	0.04069	-0.04601
0.067399	0.14587	0.09688	0.03636	0.095812	0.03848	0.083231	0.07235	0.066907
-0.03269	0.48102	0.037338	0.42082	0.041922	0.36605	0.082033	0.07656	0.044799
-0.00062	0.98929	-0.0268	0.56343	0.032052	0.48958	-0.00578	0.90094	0.023021
0.107791	0.01981	0.337122	7.10E-14	0.012868	0.78151	0.109784	0.01763	0.135437
0.029852	0.51989	0.097326	0.0355	0.096825	0.03646	0.080365	0.08277	0.130619
0.117971	0.01073	-0.01932	0.67717	-0.05736	0.21601	-0.05522	0.23362	-0.00769
-0.07107	0.12512	-0.07536	0.10383	-0.11888	0.01013	-0.1105	0.0169	-0.0406
-0.03339	0.47157	-0.08983	0.05238	-0.10691	0.02084	-0.12219	0.00821	-0.00489
-0.12032	0.00925	-0.13651	0.00312	-0.07965	0.08553	-0.16068	0.00049	0.000409
-0.01602	0.72983	-0.00187	0.96789	0.032322	0.48593	0.034017	0.46334	0.020128
0.012599	0.78597	0.052776	0.25502	0.004652	0.92014	0.0924	0.04597	0.081575
0.006605	0.8868	0.021888	0.63707	-0.07673	0.0977	-0.05998	0.19574	0.049248
0.099319	0.03188	0.072522	0.11757	0.064238	0.16577	0.029629	0.52301	0.081088
0.18395	6.37E-05	-0.02035	0.6609	-0.09912	0.03223	-0.1869	4.82E-05	-0.1194
0.069897	0.13148	0.047286	0.30788	0.015873	0.73225	-0.03315	0.47481	0.05665
-0.11737	0.01114	-0.09288	0.04483	-0.27078	2.72E-09	-0.23663	2.30E-07	-0.13498
0.062962	0.17436	-0.17538	0.00014	-0.05396	0.24452	-0.12372	0.00743	-0.02692
0.024809	0.59281	0.053092	0.25219	0.112155	0.01532	0.036211	0.43499	0.120205
-0.09572	0.03866	-0.11948	0.00976	-0.11584	0.01224	-0.15652	0.00069	-0.08842
-0.01814	0.69578	-0.07589	0.10143	0.168948	0.00024	0.122281	0.00816	0.108067
0.058783	0.2048	0.060306	0.19329	0.076645	0.09807	0.052159	0.26063	0.07788
0.003319	0.94297	0.052949	0.25347	0.021994	0.63544	0.010845	0.81519	0.06903
0.042763	0.35649	-0.04403	0.34239	-0.03306	0.47598	-0.03483	0.45271	-0.0442
0.295454	7.33E-11	-0.07062	0.12753	0.198576	1.54E-05	0.059019	0.20298	0.096434
-0.05744	0.21536	-0.11503	0.01287	-0.08495	0.06661	-0.18023	8.99E-05	-0.02096
0.026305	0.57069	-0.11713	0.0113	-0.11419	0.01355	-0.14926	0.00122	-0.04169
0.16129	0.00047	0.042952	0.35437	0.065373	0.15841	0.023712	0.60927	0.021091

0.026906	0.56192	-0.02305	0.61933	-0.06669	0.15016	-0.03523	0.44753	-0.06121
0.0356	0.44278	0.041843	0.36695	0.126718	0.0061	0.07169	0.12184	0.18819
0.126459	0.00621	0.089711	0.0527	0.097682	0.03483	0.027258	0.55681	0.181923
0.188862	4.00E-05	-0.01624	0.72627	-0.00233	0.96001	-0.12429	0.00716	0.048959
-0.17088	0.00021	-0.0426	0.35831	-0.30515	1.61E-11	-0.24654	6.77E-08	-0.14291
0.083903	0.07006	0.117614	0.01097	0.017371	0.7081	-0.04384	0.34448	0.131947
0.035113	0.44904	0.059948	0.19595	0.101288	0.02863	0.107008	0.02073	0.073206
-0.00547	0.9061	0.023934	0.60592	0.008826	0.84914	-0.01883	0.68477	0.045272
-0.04157	0.37003	-0.16538	0.00033	-0.22467	9.35E-07	-0.14001	0.00243	-0.30168
-0.07992	0.08447	-0.25	4.37E-08	-0.18662	4.95E-05	-0.15308	0.0009	-0.18993
-0.01081	0.81572	0.072656	0.11689	-0.06031	0.19328	-0.07078	0.12665	0.03478
0.078379	0.09067	-0.00312	0.94643	0.195213	2.15E-05	0.006714	0.88495	0.294571
-0.09827	0.03374	-0.12555	0.00659	-0.06224	0.17933	-0.09746	0.03524	0.056822
0.120049	0.00941	0.101362	0.02851	0.07225	0.11895	-0.06098	0.18835	0.137376
0.085858	0.06376	-0.01701	0.71394	0.040165	0.38649	0.051852	0.26344	0.084764
0.045625	0.3252	0.099029	0.03239	-0.04113	0.37512	-0.03283	0.47905	0.085045
0.019837	0.66896	0.02478	0.59323	0.0191	0.68057	0.008238	0.85908	0.074053
0.03071	0.50795	0.061982	0.18118	0.103014	0.02601	0.009657	0.83513	0.194823
-0.10695	0.0208	-0.09816	0.03394	-0.15183	0.001	-0.22153	1.33E-06	-0.08507
0.043341	0.35002	-0.01505	0.74565	0.094426	0.04138	0.122713	0.00794	0.011715
-0.02247	0.62816	-0.18414	6.26E-05	-0.16752	0.00028	-0.17307	0.00017	-0.14012
0.141102	0.00224	0.13703	0.003	0.198766	1.51E-05	0.144196	0.00178	0.025068
-0.05578	0.22893	-0.03492	0.45157	0.114061	0.01365	0.108107	0.01945	0.071729
-0.00682	0.88306	0.069315	0.13473	0.054782	0.23738	0.054223	0.24221	0.020958
0.188812	4.02E-05	0.077235	0.0955	0.223154	1.11E-06	0.196323	1.93E-05	0.193361
0.170772	0.00021	0.027806	0.54891	0.089632	0.05291	0.08725	0.05956	0.069995
-0.11976	0.00959	-0.06125	0.18638	-0.10798	0.01959	-0.08448	0.06814	-0.08795
-0.16994	0.00022	-0.02357	0.61137	-0.13001	0.00489	0.016884	0.71592	-0.14559
-0.00249	0.95716	-0.04172	0.36842	-0.13524	0.00341	-0.19511	2.18E-05	-0.14884
-0.11584	0.01225	-0.04341	0.34929	-0.12765	0.00574	-0.12974	0.00499	-0.01403
-0.02321	0.61681	-0.06457	0.1636	0.039116	0.39902	0.030063	0.51694	0.03396
0.016948	0.71489	0.111963	0.01549	-0.04147	0.37118	-0.01996	0.66707	0.048862
0.070001	0.13091	0.09214	0.04658	0.190645	3.37E-05	0.172345	0.00018	0.213797
0.116278	0.01192	0.159616	0.00054	0.2136	3.20E-06	0.13668	0.00308	0.379361
0.22852	6.00E-07	-0.03731	0.42111	0.147996	0.00134	0.1511	0.00106	0.075186
0.22371	1.04E-06	-0.09472	0.04074	0.132652	0.00408	-0.04496	0.33229	0.058849
-0.00369	0.93659	-0.11657	0.0117	-0.16209	0.00044	-0.09499	0.04018	-0.16435
-0.30987	7.51E-12	-0.20109	1.19E-05	-0.25264	3.11E-08	-0.24229	1.15E-07	-0.21606
0.083918	0.07001	0.020171	0.66372	0.052809	0.25473	0.034695	0.45447	0.036319
0.06084	0.18936	-0.04859	0.29475	0.15421	0.00083	-0.04909	0.28976	0.146402
0.179523	9.59E-05	0.072233	0.11904	0.163509	0.00039	-0.01061	0.81908	0.153273
0.23136	4.30E-07	0.023758	0.60857	0.270213	2.95E-09	0.155572	0.00074	0.25303
-0.09621	0.03767	-0.12862	0.00538	-0.21994	1.59E-06	-0.09094	0.04953	-0.24313
0.00351	0.93971	-0.10033	0.03017	0.157563	0.00063	-0.00321	0.94481	0.007535
-0.01099	0.81282	0.018582	0.68877	-0.13255	0.00411	-0.07698	0.09662	-0.04063

0.042633	0.35796	0.06642	0.15183	0.118039	0.01068	0.087496	0.05884	0.147025
0.200958	1.21E-05	0.139028	0.0026	0.23362	3.29E-07	0.12107	0.00882	0.247589
-0.03355	0.46952	0.049248	0.28821	0.026645	0.56573	0.016615	0.72026	0.095072
-0.26318	7.73E-09	-0.23668	2.28E-07	-0.15619	0.00071	-0.2218	1.29E-06	-0.1202
-0.10328	0.02563	-0.03136	0.49898	-0.03177	0.49348	0.006998	0.88012	-0.01865
-0.12138	0.00865	-0.0534	0.24945	-0.06394	0.16774	-0.01717	0.71139	-0.04648
-0.0991	0.03227	-0.0214	0.64462	-0.03169	0.49453	-0.00785	0.86562	-0.01533
-0.04172	0.36834	-0.00813	0.86088	-0.00877	0.85002	0.003476	0.94028	-0.0194
-0.00927	0.84164	0.116274	0.01192	-0.01046	0.82155	-0.03016	0.51553	0.055673
0.076789	0.09743	-0.0241	0.60349	0.059858	0.19662	-0.0203	0.66175	0.099903
0.165414	0.00033	0.057607	0.21402	-0.16521	0.00034	-0.0783	0.091	-0.10168
0.035154	0.44852	-0.04587	0.32256	-0.02973	0.52162	-0.117	0.0114	-0.07306
0.022607	0.62605	-0.19847	1.56E-05	-0.03363	0.46848	-0.17952	9.59E-05	-0.09296
0.069612	0.13307	0.01844	0.69103	-0.08536	0.06531	-0.06095	0.18859	-0.0423
0.148092	0.00133	0.155143	0.00077	-0.0895	0.05325	-0.10303	0.02599	0.00483
0.0307	0.50809	0.066719	0.15	0.073414	0.11311	0.057535	0.21459	0.010809
0.039448	0.39504	-0.07831	0.09096	0.010956	0.81333	0.091053	0.04924	0.008074
0.011452	0.80504	-0.10921	0.01824	-0.00839	0.85654	-0.06812	0.14162	-0.10313
0.152028	0.00098	-0.06154	0.1843	-0.01477	0.75022	0.016405	0.72365	-0.02456
-0.10954	0.01788	0.015635	0.73612	-0.09304	0.04448	-0.04839	0.29668	0.040127
0.052729	0.25544	0.091718	0.0476	0.089028	0.05453	0.034262	0.46013	0.129394
-0.07514	0.10488	-0.13728	0.00295	-0.29544	7.35E-11	-0.28464	3.74E-10	-0.21004
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0.007748	0.86737	-0.11311	0.01446	-0.06581	0.15562	-0.16866	0.00025	-0.09797
-0.15119	0.00105	-0.16921	0.00024	0.054259	0.24189	-0.08607	0.06309	0.121665
-0.04184	0.36696	-0.02753	0.55283	0.0433	0.35048	-0.05865	0.20582	0.107034
-0.11476	0.01308	-0.22725	6.95E-07	-0.14184	0.00212	-0.20456	8.35E-06	-0.11484
0.126351	0.00625	0.027624	0.55152	-0.14187	0.00212	-0.21187	3.86E-06	-0.03275
0.011257	0.8083	0.043277	0.35073	0.031035	0.50347	0.036943	0.42575	0.032889
-0.15605	0.00071	-0.09111	0.0491	-0.13863	0.00268	-0.03767	0.41668	-0.12705
-0.09367	0.04305	-0.06635	0.15224	-0.10336	0.02551	-0.07275	0.1164	-0.08527
-0.04702	0.31064	-0.12652	0.00619	-0.10947	0.01796	-0.09275	0.04515	-0.10323
-0.04304	0.35336	-0.01154	0.80359	-0.03494	0.4513	-0.06289	0.17484	-0.02161
-0.01628	0.72562	-0.16211	0.00044	-0.15324	0.00089	-0.11377	0.0139	-0.14244
0.043162	0.35202	0.018769	0.68581	-0.04532	0.32846	-0.00201	0.96544	-0.05027
0.032965	0.47729	-0.07685	0.09717	-0.07257	0.1173	0.016558	0.72118	-0.0988
-0.03208	0.48919	-0.05864	0.20589	-0.10078	0.02944	-0.03747	0.41921	-0.07569
-0.011	0.81266	0.059672	0.19802	-0.01199	0.79615	-0.06866	0.13845	0.032473
-0.14553	0.00161	-0.03172	0.49405	-0.10095	0.02917	-0.13149	0.00442	-0.00807
-0.02602	0.57488	0.055369	0.23238	-0.01504	0.74586	-0.05299	0.2531	0.076049
-0.0078	0.8665	0.107282	0.0204	-0.07188	0.12087	-0.06171	0.18313	0.06475
-0.03463	0.4553	-0.03782	0.41489	-0.06129	0.18611	-0.0761	0.10049	-0.04898
-0.03372	0.46726	-0.06668	0.15021	-0.20636	6.93E-06	-0.00465	0.9202	-0.22094
-0.02898	0.53211	0.11679	0.01155	0.155521	0.00075	0.221457	1.34E-06	0.085241
0.172195	0.00018	-0.02204	0.63473	0.063978	0.1675	0.083035	0.07302	0.03824

0.151569	0.00102	0.100899	0.02924	0.048573	0.29488	0.012972	0.77979	0.129033
0.00509	0.91264	0.128032	0.00559	-0.08933	0.05371	-0.12451	0.00706	0.020336
0.142087	0.00208	0.369632	1.45E-16	0.084675	0.06752	0.326774	4.40E-13	0.016722
-0.01125	0.80842	0.006252	0.89281	0.017344	0.70853	-0.06694	0.14864	0.019666
0.040297	0.38493	0.074603	0.10737	0.070718	0.127	0.033293	0.47292	0.057938
-0.03441	0.45813	-0.09565	0.03881	0.010414	0.8224	-0.04717	0.30903	-0.0314
-0.04862	0.2944	-0.01835	0.69248	0.000529	0.99091	0.0193	0.67741	-0.04022
0.090721	0.05008	0.024741	0.59382	0.036767	0.42796	0.012399	0.78928	0.041757
0.017031	0.71356	0.064406	0.16467	-0.02706	0.55962	-0.02904	0.53134	-0.00529
-0.08527	0.06562	-0.05938	0.20021	-0.02568	0.57995	-0.10019	0.0304	-0.04099
0.014014	0.76261	-0.08848	0.05604	0.004447	0.92365	-0.04524	0.32925	-0.07129
0.025848	0.57741	-0.03058	0.50981	-0.04043	0.38342	-0.06919	0.13542	0.011353
0.083041	0.073	0.006859	0.88247	0.020996	0.65086	-0.0087	0.85132	0.03985
0.029701	0.522	-0.07874	0.08921	0.015351	0.74075	-0.08574	0.06413	0.038161
0.01079	0.81611	-0.02443	0.59842	-0.00517	0.91124	-0.02875	0.53547	0.066435
0.02461	0.59578	0.088524	0.05592	-0.01755	0.70516	0.003135	0.94613	-0.03519
-0.02973	0.52162	-0.0171	0.71239	-0.14545	0.00162	-0.1592	0.00055	-0.11434
-0.04979	0.28293	-0.02763	0.55145	-0.16736	0.00028	-0.1666	0.0003	-0.10063
-0.14517	0.00166	-0.17749	0.00012	-0.13837	0.00273	-0.17651	0.00013	-0.09689
-0.06326	0.17236	0.068798	0.13767	-0.00453	0.92215	-0.09914	0.03219	0.07182
-3.38E-06	0.99994	-0.00309	0.94684	0.03522	0.44766	0.003319	0.94297	0.052578
-0.0524	0.25845	-0.04669	0.31404	-0.05656	0.22245	-0.041	0.3767	-0.05452
0.045706	0.32433	0.044416	0.3382	0.083957	0.06988	0.064771	0.16229	0.078844
-0.00211	0.96373	0.024575	0.5963	-0.02204	0.63471	-0.05287	0.2542	0.009353
0.015611	0.73652	-0.20049	1.27E-05	-0.1492	0.00122	-0.16706	0.00029	-0.14106
0.00869	0.85143	-0.12359	0.0075	-0.33204	1.76E-13	-0.24762	5.92E-08	-0.18678
-0.06115	0.18714	-0.0809	0.08074	-0.13088	0.00461	-0.14034	0.00237	-0.07756
0.055937	0.22762	-0.06453	0.16388	-0.23938	1.65E-07	-0.12924	0.00516	-0.13203
-0.26319	7.73E-09	-0.13408	0.0037	-0.30785	1.04E-11	-0.21601	2.46E-06	-0.20919
0.114577	0.01323	-0.05019	0.27905	0.124132	0.00724	-0.06384	0.16841	0.182764
0.009717	0.83411	0.024936	0.59092	0.073266	0.11384	0.064977	0.16095	0.088408
0.061583	0.18401	0.086904	0.06058	0.102078	0.0274	0.085696	0.06426	0.099288
0.06232	0.1788	-0.06021	0.19398	-0.01053	0.82046	-0.02964	0.52292	-0.16167
0.001025	0.98238	0.074794	0.10647	0.068917	0.13699	0.203276	9.54E-06	0.050447
0.156633	0.00068	0.025243	0.58635	0.11539	0.01259	-0.03755	0.41821	0.164372
-0.19699	1.81E-05	-0.17568	0.00014	0.111574	0.01586	0.006035	0.89651	0.026633
-0.00144	0.97525	-0.23682	2.24E-07	-0.05202	0.26188	-0.28748	2.45E-10	0.004753
-0.13574	0.00329	-0.3332	1.43E-13	-0.18606	5.22E-05	-0.26845	3.76E-09	-0.17156
-0.21119	4.15E-06	-0.17758	0.00011	-0.19074	3.34E-05	-0.18968	3.70E-05	-0.11338
0.042272	0.36205	-0.07258	0.11725	0.070927	0.12588	-0.11034	0.01706	0.089073
0.158234	0.0006	0.123198	0.00769	0.235755	2.55E-07	0.178198	0.00011	0.290522
-0.13612	0.0032	-0.01989	0.66818	0.065041	0.16054	0.126621	0.00614	0.026869
-0.02021	0.66319	-0.06886	0.13733	-0.13091	0.0046	-0.17045	0.00021	-0.06154
0.127543	0.00578	0.077632	0.0938	-0.00584	0.8998	-0.01594	0.73121	0.06364
0.092415	0.04593	0.036555	0.43063	-0.0843	0.06875	-0.08632	0.06235	-0.10503

0.005487	0.90586	-0.00863	0.85249	0.037711	0.41619	-0.03239	0.48506	0.020768
-0.06385	0.16836	-0.02109	0.64936	-0.02504	0.58933	-0.00516	0.91141	-0.03571
0.118667	0.01027	-0.0417	0.36862	0.035987	0.43783	-0.01998	0.66678	-0.00506
0.009158	0.84353	-0.00429	0.92638	0.025144	0.58783	-0.01045	0.82185	-0.02411
-0.00933	0.84056	0.002599	0.95534	0.04037	0.38407	0.009527	0.83731	0.015609
0.013346	0.77362	-0.01553	0.73789	0.02274	0.62401	-0.00549	0.9058	0.016987
0.023487	0.61266	-0.03188	0.49186	-0.04982	0.28263	-0.04175	0.36806	-0.03839
0.079297	0.08695	0.110067	0.01734	0.045468	0.32687	0.02014	0.66421	0.143672
0.162959	0.00041	0.123891	0.00735	0.267676	4.19E-09	0.202717	1.01E-05	0.214435
-0.10024	0.03033	0.018107	0.69633	-0.06646	0.15157	0.002253	0.96126	-0.03289
-0.20754	6.12E-06	-0.15454	0.00081	-0.28127	6.12E-10	-0.18392	6.38E-05	-0.2499
0.070167	0.12999	0.03832	0.40869	-0.04807	0.29995	0.011888	0.79777	-0.07565
0.046806	0.31282	-0.01513	0.74427	-0.08723	0.05962	-0.02565	0.58027	-0.07934
0.089336	0.0537	0.006874	0.88222	0.002989	0.94864	0.036194	0.4352	0.016504
-0.09385	0.04264	-0.07645	0.09891	-0.0576	0.21405	-0.08616	0.06284	0.012088
0.125079	0.0068	0.173802	0.00016	0.061599	0.18389	0.078977	0.08823	0.132463
-0.07017	0.12997	-0.11632	0.01189	-0.1741	0.00016	-0.1006	0.02973	-0.19569
0.072378	0.1183	-0.06415	0.16635	-0.10329	0.02561	-0.15774	0.00062	-0.11528
0.045814	0.3232	-0.06178	0.18257	-0.05677	0.22079	-0.04186	0.36674	0.006985
0.083086	0.07285	0.064159	0.1663	0.014728	0.75091	0.119262	0.00989	0.047356
0.089181	0.05412	0.073968	0.11041	0.052338	0.259	0.048016	0.30045	0.055688
0.006058	0.89611	-0.0016	0.97252	-0.03322	0.47393	-0.03159	0.49592	-0.0793
0.189259	3.85E-05	0.087469	0.05892	0.102779	0.02635	0.004343	0.92543	0.087235
0.047972	0.30091	0.00044	0.99243	0.075731	0.10215	0.064978	0.16094	0.178899
-0.0593	0.20081	0.041417	0.37185	0.144429	0.00175	0.286983	2.64E-10	0.093391
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0.019464	0.67482	-0.05759	0.21416	-0.02695	0.56128	-0.03147	0.49757	-0.0953
-0.05046	0.27647	-0.02597	0.5756	-0.07185	0.12101	-0.08086	0.08089	-0.02045
-0.14439	0.00176	0.058014	0.21079	0.018854	0.68446	0.147229	0.00142	-0.05345
-0.03309	0.4756	-0.00554	0.90501	-0.04769	0.30375	-0.03104	0.50339	-0.04023
-0.03153	0.49662	0.049852	0.28233	-0.02365	0.61021	-0.05588	0.22811	-0.0007
0.02789	0.5477	0.16421	0.00037	-0.07133	0.12371	-0.08968	0.05277	0.017985
0.001147	0.98028	-0.0981	0.03405	-0.11267	0.01485	-0.1259	0.00645	-0.14269
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0.01123	0.80874	0.037654	0.41689	0.029882	0.51947	0.048128	0.29933	0.045241
0.227799	6.52E-07	0.09125	0.04875	0.235033	2.78E-07	0.146705	0.00148	0.178232
0.015407	0.73983	0.023459	0.6131	0.007013	0.87986	-0.01763	0.70392	0.006843
-0.09782	0.03458	-0.11829	0.01051	-0.06168	0.18331	-0.12186	0.00839	-0.09691
-0.00125	0.97847	0.0873	0.05942	0.095962	0.03817	0.060319	0.19319	0.135736
0.050223	0.27877	0.057047	0.21851	0.029338	0.5271	0.03631	0.43373	0.100632
0.005888	0.89901	-0.00726	0.87564	-0.02043	0.65961	-0.10178	0.02785	0.038003
0.098419	0.03348	0.126233	0.0063	0.039324	0.39652	0.011908	0.79744	0.097042
0.040653	0.38074	0.047944	0.30118	0.039127	0.39889	0.019953	0.66714	0.069075
0.023252	0.61623	0.101782	0.02785	-0.04551	0.32642	-0.03315	0.47489	0.012621
0.066908	0.14884	0.054037	0.24382	0.079323	0.08684	0.046894	0.3119	0.140819



0.21315	3.36E-06	0.04058	0.3816	0.052563	0.25695	0.026938	0.56146	0.069079
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0.064576	0.16355	0.138606	0.00268	-0.14971	0.00117	-0.05028	0.27824	-0.03329
0.004263	0.92679	-0.09091	0.04961	0.087303	0.0594	-0.05007	0.28022	0.128503
-0.03631	0.4337	0.077914	0.09261	-0.07846	0.09035	0.06602	0.15432	-0.07199
-0.09131	0.0486	0.005164	0.91138	-0.13524	0.00341	-0.0326	0.48216	-0.10149
0.074443	0.10813	0.065229	0.15933	0.048215	0.29846	0.005883	0.8991	0.037417
0.080528	0.08214	0.394368	7.92E-19	-0.02216	0.63295	0.181808	7.77E-05	0.084118
0.031451	0.49776	-0.09733	0.0355	-0.261	1.04E-08	-0.10377	0.02493	-0.21774
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0.118716	0.01024	-0.18284	7.07E-05	-0.10386	0.0248	-0.06903	0.13632	-0.15527
-0.1005	0.0299	-0.03432	0.45933	-0.03914	0.3987	-0.06778	0.14363	-0.02805
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0.040165	0.38649	0.059811	0.19697	0.082318	0.07554	0.0583	0.20855	0.121716
-0.04361	0.34702	-0.00745	0.87238	0.009013	0.84598	-0.09724	0.03566	0.065956
-0.01387	0.76497	-0.00301	0.94828	0.023402	0.61396	0.002676	0.954	-0.11406
0.039353	0.39617	0.04738	0.30692	0.061446	0.18499	0.008444	0.85559	0.077597
0.024076	0.60378	-0.04851	0.29549	-0.01843	0.69123	-0.05086	0.27271	-0.01716
0.180315	8.92E-05	-0.00653	0.88811	0.052931	0.25363	0.041651	0.36915	0.031066
0.142072	0.00209	0.263182	7.73E-09	0.261021	1.03E-08	0.210069	4.68E-06	0.257925
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0.106405	0.02146	0.066368	0.15215	-0.11576	0.0123	0.024563	0.59649	-0.11873
0.129312	0.00513	0.136218	0.00318	0.032305	0.48616	-0.03326	0.47334	0.09939
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0.069398	0.13427	0.079399	0.08654	0.091758	0.0475	0.05974	0.19751	0.21077
0.048549	0.29512	0.155497	0.00075	0.118286	0.01052	0.079857	0.08473	0.14763
-0.02204	0.63473	0.021252	0.6469	0.0139	0.76449	0.036131	0.436	0.020131
-0.0477	0.30363	0.029796	0.52066	-0.1839	6.40E-05	-0.11994	0.00948	-0.03844
0.003631	0.93762	-0.00988	0.83134	-0.04034	0.38447	-0.0709	0.12604	0.015154
0.196455	1.90E-05	0.216964	2.22E-06	0.293149	1.04E-10	0.131307	0.00448	0.232198
0.048393	0.29667	0.009365	0.84005	0.271372	2.51E-09	0.156421	0.00069	0.144351
-0.19662	1.87E-05	-0.19737	1.74E-05	-0.22123	1.38E-06	-0.2695	3.26E-09	-0.15587
0.058503	0.20696	0.068994	0.13655	0.116642	0.01165	0.009974	0.82978	0.191077
-0.18025	8.97E-05	-0.03076	0.50726	-0.08904	0.0545	-0.01379	0.76632	-0.1306
-0.07631	0.09956	-0.06237	0.17846	-0.17439	0.00015	-0.16943	0.00023	-0.04653
0.095709	0.03869	0.037082	0.42401	0.26327	7.64E-09	0.175616	0.00014	0.224747
0.15147	0.00103	0.004666	0.9199	0.111968	0.01549	0.007226	0.87623	0.178846
-0.00438	0.92486	-0.03663	0.42967	0.048665	0.29397	0.117739	0.01088	0.044017
0.142011	0.0021	0.025726	0.57921	0.021929	0.63644	0.002846	0.95109	-0.00159
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-0.00194	0.96659	-0.03189	0.49181	0.218135	1.95E-06	0.140261	0.00238	0.111948
-0.0541	0.24328	0.016984	0.71431	0.029062	0.53099	0.035875	0.43927	0.006917

0.297678	5.20E-11	0.087664	0.05836	0.174141	0.00016	0.135536	0.00334	0.157211
-0.16652	0.0003	-0.14381	0.00184	-0.2651	5.96E-09	-0.14475	0.00171	-0.20639
0.018671	0.68736	0.144808	0.0017	-0.07445	0.10808	-0.08136	0.07902	0.127159
-0.06769	0.14415	-0.09547	0.03918	-0.10643	0.02143	-0.0944	0.04143	-0.05196
0.009448	0.83863	0.021463	0.64363	-0.01406	0.7618	0.057213	0.21718	-0.02023
0.100681	0.0296	-0.03729	0.42136	0.058686	0.20555	-0.11495	0.01293	0.142578
0.090858	0.04973	0.034689	0.45455	-0.01739	0.70772	-0.05769	0.21338	-0.0422
0.173661	0.00016	0.090405	0.05089	0.032764	0.47998	-0.03217	0.488	0.079214
0.049597	0.28481	0.02704	0.55998	0.034935	0.45135	0.024554	0.59662	0.077292
0.049676	0.28404	0.12053	0.00913	0.208219	5.69E-06	0.212409	3.64E-06	0.056194
0.152893	0.00092	-0.00153	0.97372	0.111902	0.01555	0.038554	0.40585	0.065276
0.067034	0.14808	0.149328	0.00121	0.106453	0.0214	0.18314	6.87E-05	0.147545
-0.00557	0.9044	0.101314	0.02858	-0.01839	0.69178	0.026942	0.5614	0.068378
-0.1385	0.0027	-0.19292	2.70E-05	0.099589	0.03142	-0.02245	0.62847	0.009877
0.026072	0.57411	-0.01812	0.69608	0.203107	9.71E-06	0.09479	0.0406	0.156788
-0.07562	0.10266	-0.09843	0.03347	-0.03255	0.48281	-0.03758	0.41786	-0.01388
0.164327	0.00036	0.054889	0.23646	0.025968	0.57564	-0.04666	0.31431	0.113476
0.163315	0.00039	0.013104	0.77761	0.079903	0.08456	0.046728	0.31362	0.076226
-0.08443	0.06831	-0.13812	0.00278	-0.05274	0.25536	-0.0588	0.20464	-0.09419
-0.008	0.86312	-0.08514	0.06603	-0.08846	0.0561	-0.13231	0.00418	-0.16192
0.099307	0.0319	-0.03684	0.42707	-0.06049	0.19196	0.083615	0.07103	-0.0587
0.158804	0.00057	0.099802	0.03106	0.113449	0.01417	0.043466	0.34864	0.090458
-0.15598	0.00072	-0.24952	4.65E-08	-0.02418	0.60229	-0.06245	0.17787	-0.05616
0.129755	0.00498	0.056866	0.21998	0.201223	1.18E-05	0.096568	0.03697	0.222486
0.165886	0.00032	0.038308	0.40884	0.006174	0.89415	-0.09301	0.04455	0.106244
-0.02566	0.58011	-0.064	0.16736	-0.05534	0.23263	-0.16795	0.00027	0.00406
0.053012	0.2529	0.030913	0.50515	0.04422	0.34033	-0.00881	0.84943	0.055844
0.007097	0.87844	-0.06276	0.17572	-0.01252	0.7873	-0.05088	0.27249	0.014284
0.255503	2.15E-08	0.006912	0.88158	0.058947	0.20353	0.00715	0.87753	-0.00693
-0.0022	0.96215	-0.14396	0.00181	-0.24648	6.83E-08	-0.16314	0.0004	-0.17663
-0.16838	0.00026	-0.36695	2.48E-16	-0.14622	0.00153	-0.27553	1.40E-09	-0.08126
0.04576	0.32376	0.00058	0.99002	-0.10913	0.01832	-0.08005	0.08399	-0.04605
-0.00787	0.86536	0.038453	0.40707	-0.06268	0.17629	-0.06906	0.13619	-0.05312
0.056323	0.22442	0.002244	0.96142	0.09863	0.0331	0.025342	0.58489	0.099214
-0.04969	0.28394	-0.17413	0.00016	0.018057	0.69712	-0.01506	0.74544	-0.09067
0.124523	0.00705	0.055942	0.22758	0.141365	0.0022	0.117427	0.0111	0.15118
0.136935	0.00302	0.068315	0.14046	0.202923	9.89E-06	0.310578	6.69E-12	0.123265
-0.11948	0.00975	-0.03889	0.40178	-0.14885	0.00126	-0.05059	0.27523	-0.09852
0.102614	0.02659	0.135521	0.00334	-0.05054	0.27573	-0.10106	0.02899	0.169764
-0.00713	0.87782	0.05862	0.20606	0.104249	0.02426	0.075378	0.10376	0.04582
-0.01756	0.7051	0.138981	0.00261	-0.13135	0.00447	-0.01364	0.76872	-0.08427
0.040638	0.38092	0.092241	0.04634	-0.04081	0.37896	-0.00944	0.83883	-0.02343
-0.186	5.25E-05	-0.14334	0.0019	-0.19509	2.18E-05	-0.23775	2.01E-07	-0.09668
-0.10926	0.01818	-0.12133	0.00867	-0.1397	0.00248	-0.15779	0.00062	-0.12664
-0.01063	0.81879	0.131528	0.00441	0.029879	0.51951	-0.01628	0.7256	0.082775

0.1152	0.01273	0.160809	0.00049	0.055836	0.22846	0.013524	0.77068	0.111394
0.15278	0.00093	0.261417	9.80E-09	0.252301	3.25E-08	0.48952	1.64E-29	0.117821
0.066342	0.15232	0.057451	0.21526	-0.00824	0.85899	-0.04666	0.31437	0.042707
-0.1061	0.02184	-0.29946	3.94E-11	-0.26713	4.52E-09	-0.27112	2.60E-09	-0.22521
0.065725	0.15618	-0.04092	0.37757	0.047224	0.30851	-0.05339	0.24957	0.081046
0.032813	0.47932	-0.03509	0.44941	-0.04316	0.352	-0.09365	0.04309	-0.01961
0.04463	0.33587	0.126975	0.006	0.182818	7.08E-05	0.095497	0.03912	0.251685
-0.15652	0.00069	-0.06274	0.17588	-0.20775	5.98E-06	-0.08668	0.06124	-0.121
-0.01987	0.66845	-0.2916	1.32E-10	0.013081	0.778	-0.12245	0.00807	-0.17297
0.082368	0.07536	0.014668	0.75189	-0.02302	0.61975	-0.00962	0.83582	0.009464
0.095343	0.03944	0.082992	0.07317	-0.03983	0.39048	-0.0843	0.06875	0.046166
-0.0432	0.35159	-0.0426	0.35834	0.101758	0.02789	0.136832	0.00305	0.044375
-0.15785	0.00062	-0.07636	0.09933	-0.08176	0.07754	-0.0293	0.52763	-0.01505
0.095349	0.03943	0.136766	0.00306	0.120245	0.0093	0.053739	0.24644	0.189352
0.069564	0.13333	0.136389	0.00314	0.133934	0.00374	0.067361	0.1461	0.171763
0.080767	0.08124	0.171931	0.00019	0.114946	0.01293	0.039459	0.3949	0.187886
0.004995	0.91427	0.072001	0.12023	0.071947	0.12051	0.029978	0.51813	0.104188
0.035013	0.45034	0.110735	0.01667	0.129946	0.00491	0.054753	0.23763	0.159168
0.08066	0.08164	0.1318	0.00433	0.100735	0.02951	0.035993	0.43776	0.147557
0.040503	0.38251	0.118463	0.0104	0.145632	0.0016	0.066092	0.15387	0.154084
0.109779	0.01764	0.108561	0.01894	0.076517	0.09863	0.073879	0.11084	0.088713
0.084786	0.06716	0.145717	0.00159	0.112549	0.01496	0.059794	0.19711	0.12631
0.038928	0.40129	0.030853	0.50598	0.027574	0.55224	-0.02624	0.57163	0.07428
0.079322	0.08685	0.103149	0.02581	0.124742	0.00695	0.065292	0.15892	0.164774
0.013804	0.76607	-0.01588	0.7322	0.055275	0.23318	0.020962	0.65139	0.067416
0.252834	3.04E-08	0.158246	0.0006	0.210544	4.45E-06	0.127748	0.0057	0.193938
0.051933	0.2627	0.094954	0.04026	0.038764	0.40329	0.032692	0.48095	0.069976
0.049794	0.28289	0.051905	0.26296	0.038697	0.4041	-0.01812	0.69607	0.081897
0.049501	0.28574	0.029644	0.5228	0.007397	0.87334	-0.02581	0.57796	0.029367
0.095961	0.03818	0.123546	0.00752	0.109824	0.01759	0.061756	0.18277	0.129639
0.115776	0.01229	0.090625	0.05032	0.081072	0.08009	0.032713	0.48067	0.119096
0.033493	0.47026	0.025769	0.57857	0.039151	0.3986	-0.04388	0.34411	0.093742
0.077012	0.09646	0.035597	0.44282	0.07606	0.10066	0.040548	0.38197	0.071279
0.263882	7.03E-09	0.212559	3.58E-06	0.228355	6.11E-07	0.137284	0.00295	0.201715
0.143345	0.0019	0.221504	1.34E-06	0.175774	0.00013	0.223811	1.03E-06	0.15237
0.029834	0.52013	-0.0156	0.73662	0.02161	0.64137	-0.04456	0.33665	0.059514
0.130799	0.00464	0.142542	0.00202	0.058969	0.20337	0.087186	0.05975	0.096616
0.196523	1.89E-05	0.223943	1.01E-06	0.030093	0.51652	0.039562	0.39367	0.001559
-0.03126	0.50041	-0.12219	0.00821	-0.16092	0.00048	-0.11901	0.01005	-0.19874
-0.06632	0.15243	0.144407	0.00176	-0.05362	0.24753	0.050225	0.27874	0.063571
0.246778	6.58E-08	-0.0699	0.13147	0.071379	0.12347	-0.15323	0.00089	0.016305
0.027528	0.55291	-0.35756	1.57E-15	-0.0034	0.94166	-0.16804	0.00026	-0.10926
-0.12426	0.00718	-0.19685	1.83E-05	0.056628	0.22192	0.016767	0.71781	0.005205
-0.12768	0.00572	0.034898	0.45184	-0.17444	0.00015	-0.01818	0.6951	-0.14259
0.114086	0.01363	0.081903	0.07703	0.060235	0.19381	0.022559	0.62679	0.030564

0.006459	0.88929	-0.06254	0.1773	0.130699	0.00467	0.17042	0.00022	0.088989
0.196784	1.84E-05	0.438653	2.20E-23	0.24926	4.80E-08	0.39633	5.14E-19	0.230585
0.214906	2.78E-06	0.103035	0.02598	0.133622	0.00382	0.061064	0.18774	0.16453
0.072592	0.11721	0.100414	0.03003	-0.04951	0.28566	0.121465	0.0086	-0.0369
0.042223	0.36261	-0.08694	0.06047	-0.14144	0.00219	-0.14099	0.00226	-0.06362
-0.1603	0.00051	-0.23962	1.60E-07	-0.04274	0.35676	-0.08747	0.05891	-0.12141
0.008414	0.8561	0.061036	0.18794	0.062185	0.17975	-0.01223	0.79217	0.133409
-0.18796	4.36E-05	-0.20446	8.44E-06	-0.26914	3.42E-09	-0.26661	4.85E-09	-0.20734
-0.05857	0.20642	-0.03447	0.45741	0.177474	0.00012	0.129651	0.00501	0.129889
0.148835	0.00126	-0.00471	0.91906	0.131689	0.00436	0.051319	0.2684	0.15268
-0.04486	0.33334	-0.0263	0.5707	-0.05844	0.20748	-0.05119	0.2696	-0.00079
-0.19717	1.77E-05	-0.34435	1.90E-14	-0.35497	2.58E-15	-0.30044	3.38E-11	-0.27554
0.36797	2.02E-16	-0.13914	0.00258	-0.05556	0.23076	-0.21014	4.64E-06	-0.03992
-0.0016	0.97242	-0.04147	0.37122	0.019315	0.67718	0.018632	0.68798	0.033121
0.300368	3.42E-11	0.009287	0.84135	0.156041	0.00071	0.214847	2.80E-06	0.03617
0.016338	0.72473	0.073815	0.11115	-0.01289	0.78108	-0.02771	0.55025	0.083175
0.078719	0.08928	-0.1255	0.00661	0.082666	0.07431	-0.01722	0.71056	0.054582
-0.05145	0.26713	-0.23179	4.09E-07	0.021556	0.6422	-0.12042	0.00919	-0.0012
0.154279	0.00082	0.070346	0.12901	0.044425	0.3381	-0.01172	0.80051	-0.00094
-0.04565	0.32498	-0.18797	4.36E-05	-0.22582	8.19E-07	-0.13573	0.00329	-0.23427
-0.0207	0.65551	0.048332	0.29728	0.099411	0.03172	0.038954	0.40098	0.076758
-0.00323	0.94453	-0.00554	0.90499	-0.13625	0.00317	-0.17466	0.00015	-0.12609
-0.02269	0.62478	-0.20651	6.82E-06	0.033629	0.46847	-0.1345	0.00359	0.060128
0.18407	6.30E-05	-0.13422	0.00366	-0.02731	0.55603	-0.02894	0.53268	-0.05514
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0.087957	0.05752	-0.01648	0.72236	0.069376	0.13439	-0.01681	0.71704	0.067933
0.04794	0.30122	0.002303	0.96041	-0.08723	0.05963	-0.10806	0.0195	0.027785
-0.07279	0.11623	0.015287	0.74179	0.117581	0.01099	0.076101	0.10048	0.178209
0.110457	0.01694	-0.05613	0.22599	0.147356	0.00141	0.129492	0.00507	0.038977
-0.05831	0.20846	-0.07991	0.08451	-0.15888	0.00057	-0.1813	8.14E-05	-0.11157
0.164862	0.00035	0.358662	1.27E-15	0.152577	0.00094	0.263808	7.10E-09	0.141956
0.118961	0.01008	0.207518	6.13E-06	0.302057	2.62E-11	0.22366	1.05E-06	0.30469
-0.17083	0.00021	-0.1681	0.00026	-0.19806	1.62E-05	-0.09446	0.04131	-0.18689
0.041639	0.36929	0.161667	0.00045	-0.06339	0.17141	0.032172	0.48796	0.01627
0.092596	0.04551	0.288015	2.26E-10	0.168203	0.00026	0.192323	2.86E-05	0.149083
0.185518	5.50E-05	0.01615	0.72778	0.113151	0.01442	-0.04297	0.35414	0.218771
0.085021	0.0664	0.170037	0.00022	-0.0131	0.77768	0.117628	0.01096	-0.14758
-0.06678	0.14962	0.017978	0.69839	-0.11127	0.01614	-0.05841	0.20766	-0.04783
0.222892	1.14E-06	0.266708	4.78E-09	0.197366	1.74E-05	0.306629	1.27E-11	0.104348
-0.09345	0.04355	0.084205	0.06906	-0.18192	7.69E-05	-0.01346	0.77178	-0.1383
0.10364	0.02511	0.381717	1.20E-17	0.268123	3.94E-09	0.370742	1.16E-16	0.24882
0.06263	0.17665	-0.03967	0.39233	0.127904	0.00564	0.086949	0.06045	0.13674
0.066013	0.15436	-0.09298	0.04461	0.022488	0.62786	-0.03575	0.4409	0.001065
0.07091	0.12597	-0.05109	0.27056	-0.03588	0.43917	-0.1039	0.02474	0.064122
-0.08759	0.05857	-0.20164	1.13E-05	-0.02089	0.65253	-0.20915	5.16E-06	-0.00374

0.095105	0.03994	0.11597	0.01215	0.183393	6.71E-05	0.091739	0.04755	0.160551
0.131216	0.00451	0.118108	0.01064	-0.0725	0.1177	-0.03998	0.38864	-0.03632
-0.06876	0.13791	-0.17681	0.00012	-0.03549	0.44422	-0.0927	0.04526	-0.12518
0.209098	5.19E-06	0.116997	0.0114	-0.07292	0.11558	-0.06481	0.16206	0.000195
2.02E-05	0.99965	0.04	0.38845	0.200238	1.30E-05	0.079216	0.08727	0.205054
-0.1049	0.02339	-0.14324	0.00191	-0.33478	1.08E-13	-0.23446	2.98E-07	-0.23069
-0.22023	1.54E-06	-0.14343	0.00189	-0.21632	2.38E-06	-0.26593	5.32E-09	-0.12041
-0.02696	0.56114	0.010369	0.82316	0.125697	0.00653	0.168768	0.00025	0.00606
-0.18952	3.76E-05	-0.00795	0.86397	-0.14972	0.00117	-0.10181	0.0278	-0.09617
0.020051	0.66561	0.139027	0.0026	-0.07279	0.11621	-0.06226	0.17924	-0.00705
0.016079	0.72892	0.082642	0.0744	0.066784	0.1496	-0.01597	0.73063	0.130426
-0.15037	0.00112	-0.19374	2.49E-05	-0.03546	0.44454	-0.09878	0.03283	-0.06043
0.000584	0.98995	-0.0212	0.64768	-0.17529	0.00014	-0.22806	6.32E-07	-0.02525
0.026659	0.56552	0.015568	0.73721	-0.0766	0.09824	0.010877	0.81466	-0.07745
-0.02223	0.63184	-0.10407	0.02451	-0.09124	0.04877	-0.12105	0.00883	-0.11832
0.060005	0.19553	-0.19772	1.68E-05	-0.0109	0.81427	-0.0598	0.19708	-0.04239
0.141821	0.00213	0.123453	0.00756	-0.00646	0.88925	-0.05753	0.21464	0.05666
-0.16521	0.00034	-0.11175	0.01569	-0.27049	2.84E-09	-0.23472	2.89E-07	-0.2026
-0.10702	0.02071	-0.06894	0.13686	-0.15184	0.001	-0.17832	0.00011	-0.15558
-0.16067	0.00049	-0.14465	0.00172	-0.00147	0.9748	-0.12234	0.00813	0.064807
0.101119	0.02889	0.064905	0.16142	0.099825	0.03102	0.026911	0.56185	0.104615
0.31953	1.52E-12	0.25939	1.28E-08	0.276938	1.14E-09	0.199476	1.41E-05	0.20007
0.52026	9.53E-34	0.263118	7.80E-09	0.122989	0.0078	0.192303	2.87E-05	0.089257
-0.0178	0.70121	-0.06393	0.1678	-0.17939	9.70E-05	-0.13105	0.00456	-0.17597
0.009393	0.83956	0.024016	0.60469	-0.02823	0.54283	-0.03012	0.51614	-0.05349
-0.02124	0.64711	-0.02369	0.6096	-0.10312	0.02586	-0.02227	0.63123	-0.14092
-0.10493	0.02334	-0.20798	5.84E-06	0.046902	0.31182	-0.14568	0.0016	-0.0429
0.037095	0.42385	-0.03737	0.42039	0.020209	0.66312	-0.01522	0.74281	-0.03659
-0.04486	0.3334	-0.11287	0.01467	-0.04621	0.31907	-0.04964	0.28441	-0.10945
0.074704	0.1069	-0.03903	0.40001	0.017537	0.70544	-0.0543	0.24151	-0.08738
-0.00017	0.99709	0.056625	0.22194	0.074791	0.10649	0.081572	0.07824	0.08905
-0.10479	0.02353	-0.08374	0.07063	-0.19054	3.40E-05	-0.19487	2.23E-05	-0.12063
0.072439	0.11799	0.100653	0.02964	0.01211	0.79409	-0.01924	0.67843	-0.01718
-0.04013	0.38691	-0.10959	0.01784	-0.00959	0.83627	-0.14214	0.00208	0.04822
0.037326	0.42097	-0.1329	0.00401	0.020188	0.66346	-0.06505	0.16047	-0.11947
-0.04108	0.37579	-0.14501	0.00168	-0.11128	0.01614	-0.12549	0.00662	-0.17223
0.126561	0.00617	0.136034	0.00322	0.168769	0.00025	0.018746	0.68617	0.303946
-0.06356	0.17032	-0.03614	0.43588	-0.09261	0.04547	-0.03172	0.49416	-0.05704
0.188257	4.24E-05	0.060139	0.19452	0.141044	0.00225	0.068018	0.1422	0.028663
0.210105	4.66E-06	0.273455	1.87E-09	0.16401	0.00037	0.163611	0.00039	0.306864
-0.05171	0.26474	0.096338	0.03742	0.178769	0.0001	0.127118	0.00594	0.244213
0.051717	0.26469	-0.03542	0.44509	0.123039	0.00777	0.122877	0.00785	0.002711
0.186613	4.96E-05	0.144348	0.00176	0.308679	9.11E-12	0.326842	4.35E-13	0.247564
0.013037	0.77872	-0.19826	1.59E-05	-0.01383	0.76568	-0.03266	0.48144	-0.05906
0.0089	0.84788	-0.22807	6.32E-07	-0.05951	0.19922	-0.2286	5.94E-07	0.015465

-0.09996	0.03078	-0.21274	3.51E-06	0.042672	0.35753	-0.03815	0.41079	0.005611
-0.05433	0.24124	0.002895	0.95025	-0.23741	2.09E-07	-0.16956	0.00023	-0.12444
-0.07534	0.10394	-0.11712	0.01131	-0.19262	2.78E-05	-0.15595	0.00072	-0.123
0.028269	0.54227	0.00948	0.83811	0.109897	0.01751	0.024078	0.60376	0.089501
-0.02759	0.55207	-0.06863	0.13865	0.081283	0.07931	-0.03592	0.43874	0.065806
-0.18571	5.40E-05	-0.1824	7.36E-05	-0.22964	5.26E-07	-0.18998	3.59E-05	-0.25032
-0.00322	0.94461	0.02069	0.65563	0.081869	0.07716	0.011357	0.80662	0.150505
-0.07399	0.11029	-0.08854	0.05589	-0.14421	0.00178	-0.09835	0.0336	-0.09697
-0.02834	0.54127	-0.02229	0.63092	0.00641	0.89012	-0.0222	0.63222	0.048913
0.016567	0.72103	-0.0146	0.75308	0.085554	0.06471	0.001089	0.98128	0.07943
-0.08024	0.08324	-0.04021	0.38599	0.025184	0.58723	-0.00543	0.90677	0.006616
-0.0055	0.90573	-0.00674	0.88452	0.056413	0.22368	-0.00896	0.84688	0.088142
0.081743	0.07761	0.019846	0.66882	-0.0787	0.08937	-0.02155	0.64235	-0.17047
0.097756	0.03469	-0.07296	0.11534	0.087849	0.05783	-0.03137	0.4989	0.034984
0.055404	0.23209	-0.02595	0.57588	0.052208	0.26017	0.017945	0.69891	0.065567
0.035323	0.44634	0.002647	0.95451	0.103046	0.02596	0.049634	0.28444	0.112794
-0.03193	0.49129	-0.16802	0.00027	-0.11002	0.01738	-0.16192	0.00044	-0.08489
0.062182	0.17977	-0.22431	9.73E-07	0.070962	0.12569	-0.0558	0.22872	-0.10849
0.250743	3.97E-08	0.106412	0.02145	0.328737	3.13E-13	0.261127	1.02E-08	0.216921
0.027146	0.55844	0.115347	0.01262	0.017229	0.71038	0.016131	0.72808	0.103065
-0.19909	1.46E-05	-0.16138	0.00046	-0.18337	6.73E-05	-0.08917	0.05415	-0.15069
0.124807	0.00692	0.304943	1.66E-11	0.234464	2.98E-07	0.346294	1.33E-14	0.165528
-0.02844	0.53982	0.061926	0.18157	0.033463	0.47065	0.060462	0.19213	-0.08008
0.029746	0.52137	-0.0368	0.42752	-0.014	0.76292	-0.0807	0.08149	-0.02331
0.081609	0.0781	-0.0138	0.7661	0.085573	0.06465	-0.01521	0.74311	0.10723
-0.00045	0.99222	0.082062	0.07646	0.066265	0.15279	0.072117	0.11963	0.174273
-0.11529	0.01267	-0.04603	0.32087	-0.00949	0.83791	0.071729	0.12164	-0.02724
-0.14789	0.00135	-0.22504	8.96E-07	-0.18471	5.93E-05	-0.16593	0.00032	-0.16891
-0.10828	0.01926	-0.04728	0.30797	-0.06641	0.15189	-0.02836	0.54092	0.047876
0.01323	0.77552	0.063476	0.17086	0.002881	0.95049	0.079238	0.08718	0.004547
0.114789	0.01306	0.235829	2.53E-07	0.252104	3.34E-08	0.393718	9.13E-19	0.176008
-0.01908	0.68087	-0.03047	0.51129	-0.00491	0.91569	-0.03615	0.43576	-0.03499
0.257339	1.69E-08	0.088078	0.05717	0.246106	7.16E-08	0.11117	0.01624	0.231024
0.105804	0.02221	0.237248	2.13E-07	-0.01883	0.68485	0.073575	0.11232	-0.10106
0.07967	0.08547	0.05461	0.23885	0.170767	0.00021	0.09756	0.03506	0.15343
0.200332	1.29E-05	0.063763	0.16894	0.048132	0.29929	0.006016	0.89684	0.016729
-0.11061	0.0168	-0.02717	0.55816	-0.23758	2.05E-07	-0.29633	6.40E-11	0.004548
0.069175	0.13553	0.070411	0.12866	0.075827	0.10171	0.146574	0.00149	0.100676
-0.14976	0.00117	0.032039	0.48976	0.064101	0.16668	0.180637	8.66E-05	0.003592
0.195897	2.01E-05	0.330984	2.11E-13	-0.00065	0.98887	0.06786	0.14313	0.031124
0.070223	0.12969	0.10069	0.02958	-0.02923	0.5286	-0.07481	0.10641	0.074257
0.030205	0.51496	0.034383	0.45854	0.094376	0.04149	0.02767	0.55087	0.099916
0.028434	0.53992	-0.01	0.8294	-0.00272	0.95322	0.015855	0.73255	-0.01682
0.017725	0.70243	0.065056	0.16044	0.124689	0.00698	0.118983	0.01007	0.149597
-0.16926	0.00024	-0.10152	0.02825	-0.16634	0.00031	-0.16006	0.00052	-0.14205

-0.03303	0.47636	-0.00079	0.9864	-0.12314	0.00772	-0.12684	0.00605	-0.00927
0.074654	0.10714	0.007688	0.86839	-0.03611	0.43629	0.123853	0.00737	-0.15216
-0.08188	0.0771	0.051482	0.26688	-0.25166	3.53E-08	-0.09946	0.03164	-0.13592
-0.03379	0.46639	-0.14243	0.00203	-0.13103	0.00457	-0.17467	0.00015	-0.18888
-0.02876	0.53526	-0.02947	0.52525	0.07832	0.09092	0.133786	0.00377	-0.0035
0.063273	0.17224	0.17858	0.0001	-0.02218	0.63255	0.003264	0.94392	0.055497
0.012652	0.78509	0.071311	0.12384	-0.04765	0.30416	-0.01337	0.77315	-0.01426
-0.26763	4.21E-09	0.005101	0.91245	-0.20339	9.42E-06	-0.14974	0.00117	-0.1456
-0.03596	0.43814	0.126575	0.00616	-0.09303	0.0445	-0.13658	0.0031	-0.02919
-0.03457	0.45607	0.163195	0.0004	-0.0429	0.35492	-0.07821	0.09136	0.024107
-0.0202	0.66329	-0.15385	0.00085	-0.09425	0.04177	-0.17143	0.0002	-0.0667
-0.15148	0.00102	0.0497	0.28381	-0.08972	0.05269	-0.10299	0.02605	-0.02428
-0.01152	0.80397	0.011713	0.80069	-0.16056	0.0005	-0.11982	0.00955	-0.15524
0.047887	0.30176	-0.12831	0.00549	-0.08636	0.06222	-0.15014	0.00114	-0.05481
-0.04205	0.36456	-0.08788	0.05772	0.012186	0.79282	-0.01083	0.81537	0.037861
-0.06632	0.15244	0.121636	0.00851	0.004283	0.92645	0.285716	3.19E-10	-0.03404
-0.10023	0.03034	-0.14826	0.00131	-0.06914	0.13574	-0.10593	0.02205	-0.07073
0.02495	0.5907	0.073056	0.11488	-0.03209	0.48907	0.033949	0.46423	-0.02099
-0.1154	0.01258	0.021684	0.64021	-0.19492	2.22E-05	-0.04036	0.38415	-0.1269
-0.1176	0.01098	-0.10088	0.02928	-0.17057	0.00021	-0.09732	0.03551	-0.14297
-0.15656	0.00069	0.028837	0.53418	-0.12448	0.00707	0.016831	0.71677	-0.02654
-0.10444	0.02401	-0.09154	0.04804	-0.17429	0.00015	-0.0735	0.11271	-0.13916
-0.12084	0.00895	-0.08049	0.0823	-0.18583	5.34E-05	-0.0827	0.0742	-0.11721
-0.0333	0.47289	-0.07692	0.09688	-0.09781	0.03458	-0.03288	0.47837	-0.05699
-0.14109	0.00224	0.044713	0.33497	-0.12741	0.00583	0.010896	0.81433	-0.04461
0.153636	0.00087	-0.02273	0.62413	0.200556	1.26E-05	0.083698	0.07075	0.338417
-0.16111	0.00047	-0.25501	2.29E-08	-0.00984	0.83202	-0.02467	0.59491	-0.05274
-0.13742	0.00292	-0.03713	0.4234	-0.16131	0.00047	-0.06543	0.15804	-0.12559
0.127229	0.0059	0.084906	0.06677	0.202255	1.06E-05	0.106584	0.02124	0.153603
-0.12211	0.00825	-0.18093	8.42E-05	-0.01682	0.71702	-0.1623	0.00043	-0.02013
-0.05583	0.2285	-0.12557	0.00658	-0.08747	0.05891	-0.152	0.00098	-0.04276
-0.03678	0.42782	-0.07316	0.11435	-0.09408	0.04214	-0.13958	0.0025	-0.02996
0.013801	0.76612	-0.20663	6.73E-06	-0.16009	0.00052	-0.09003	0.05185	-0.2328
-0.02381	0.60785	-0.10196	0.02758	0.010463	0.82159	-0.01716	0.71147	-0.01621
0.150324	0.00112	0.223667	1.05E-06	0.121047	0.00883	0.156872	0.00067	0.086827
-0.20332	9.50E-06	-0.33489	1.06E-13	-0.31262	4.79E-12	-0.2323	3.85E-07	-0.36959
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0.082163	0.0761	0.016468	0.72263	-0.02073	0.65507	-0.0471	0.3098	-0.03026
-0.02547	0.58295	0.036695	0.42887	0.014856	0.74881	0.029061	0.53101	0.002122
0.011459	0.80492	-0.09094	0.04952	-0.05551	0.23116	-0.09222	0.0464	-0.08301
-0.03409	0.4624	-0.01543	0.7395	-0.10226	0.02713	-0.07316	0.11439	-0.08389
-0.02184	0.63775	-0.0137	0.76774	-0.08558	0.06463	-0.07988	0.08465	-0.03598
0.095335	0.03946	0.081472	0.07861	0.052174	0.26049	0.014811	0.74956	0.142328
0.205754	7.38E-06	-0.04443	0.3381	0.023795	0.60801	-0.03258	0.48251	-0.04999
-0.05581	0.22864	-0.02182	0.63807	-0.00292	0.94981	-0.0717	0.12178	-0.06546

0.028551	0.53825	0.025853	0.57733	0.007474	0.87203	-0.00702	0.8797	-0.01448
0.240207	1.49E-07	0.131188	0.00452	0.100925	0.0292	0.07837	0.09071	0.15169
-0.22875	5.84E-07	-0.03585	0.43961	-0.19901	1.47E-05	-0.00109	0.98128	-0.17
0.050442	0.27667	0.095858	0.03838	0.001253	0.97845	0.008785	0.84983	0.070439
0.102459	0.02683	0.087155	0.05984	-0.00378	0.93506	-0.00261	0.95512	0.054395
0.044517	0.33709	0.077088	0.09613	0.116617	0.01167	0.0667	0.15011	0.144875
0.035588	0.44293	0.072788	0.11622	0.055126	0.23444	0.04628	0.31829	0.066823
-0.08147	0.07863	-0.055	0.23552	-0.06154	0.1843	-0.03637	0.43303	-0.10344
0.216252	2.40E-06	0.320576	1.27E-12	0.348695	8.49E-15	0.324577	6.43E-13	0.226107
0.090303	0.05115	0.390778	1.73E-18	0.109928	0.01748	0.208637	5.45E-06	0.11003
-0.00407	0.93013	-0.01934	0.67678	-0.10486	0.02344	-0.05258	0.2568	-0.1129
-0.03752	0.41853	0.11701	0.01139	-0.12506	0.00681	-0.02775	0.54968	-0.08213
-0.04023	0.38575	0.090793	0.0499	-0.15905	0.00056	-0.08036	0.08278	-0.0842
0.064797	0.16211	-0.00628	0.89235	0.110655	0.01675	0.053326	0.2501	0.171496
0.012613	0.78574	-0.07052	0.12805	-0.0815	0.07849	-0.0538	0.24591	-0.00869
-0.11067	0.01673	-0.03658	0.43028	-0.09093	0.04955	-0.08432	0.06867	-0.05172
-0.01919	0.6791	-0.01441	0.75607	-0.00339	0.94184	-0.04631	0.31793	-0.00668
-0.12149	0.00858	-0.37656	3.51E-17	-0.14493	0.00169	-0.18969	3.69E-05	-0.2553
0.074102	0.10976	0.026484	0.56808	0.021993	0.63545	0.001187	0.97959	0.087924
0.251808	3.46E-08	-0.00175	0.96986	0.206662	6.71E-06	0.078183	0.09149	0.142754
-0.02903	0.53143	-0.06067	0.1906	-0.06471	0.16268	-0.13104	0.00456	0.002311
-0.22807	6.32E-07	-0.15952	0.00054	-0.04705	0.31027	-0.00261	0.9552	-0.04379
0.095775	0.03855	0.167302	0.00028	0.078915	0.08848	0.022382	0.62949	0.138233
0.058932	0.20365	0.067669	0.14426	0.045222	0.32949	0.032886	0.47835	0.057187
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-0.0042	0.92788	0.013665	0.76836	0.091089	0.04915	0.143699	0.00185	0.08588
0.107379	0.02029	0.158337	0.00059	0.02688	0.5623	0.071957	0.12046	0.032553
0.061803	0.18244	-0.00427	0.9267	-0.18809	4.31E-05	-0.17166	0.00019	-0.12173
-0.14129	0.00221	-0.1021	0.02737	-0.07975	0.08516	-0.10143	0.02841	-0.08725
0.004327	0.92569	0.01842	0.69135	-0.0395	0.39447	0.020003	0.66636	-0.02982
0.052602	0.25659	0.065739	0.15608	0.002741	0.95289	-0.0688	0.13768	0.085013
0.007527	0.87112	-0.00068	0.98834	-0.00805	0.86233	-0.00326	0.94395	-0.0193
-0.02993	0.51878	0.061628	0.18369	0.03093	0.50491	0.08126	0.07939	0.07655
-0.05789	0.21175	-0.24593	7.32E-08	-0.13262	0.00409	-0.15638	0.0007	-0.19168
-0.01722	0.71059	-0.19508	2.18E-05	0.012813	0.78242	-0.12878	0.00532	-0.0725
0.003133	0.94617	-0.08082	0.08102	-0.02612	0.5734	-0.01983	0.66906	-0.06836
0.091316	0.04859	-0.10868	0.01881	-0.0794	0.08654	-0.12775	0.0057	-0.1623
0.072757	0.11638	-0.09171	0.04762	0.002034	0.96503	0.056817	0.22038	-0.00675
0.279369	8.06E-10	0.142564	0.00201	0.226987	7.16E-07	0.15604	0.00071	0.228821
-0.01544	0.73931	0.095834	0.03843	-0.21017	4.63E-06	-0.07919	0.08736	-0.1889
0.023841	0.60732	0.076088	0.10054	0.05944	0.19977	0.066373	0.15212	0.094271
-0.01911	0.68037	-0.01877	0.68577	-0.07876	0.08912	-0.0901	0.05167	-0.01695
0.242883	1.07E-07	0.096163	0.03777	0.238949	1.73E-07	0.239718	1.58E-07	0.114636
-0.10587	0.02213	-0.05541	0.23201	-0.20266	1.02E-05	-0.04701	0.31071	-0.14014
0.088536	0.05589	0.083642	0.07094	0.019269	0.6779	-0.03241	0.48475	0.151797



0.129755	0.00498	0.138735	0.00266	0.073366	0.11335	0.005514	0.90541	0.179842
0.216958	2.22E-06	0.083504	0.07141	0.21993	1.60E-06	0.139985	0.00243	0.330858
0.055529	0.23103	0.092965	0.04465	0.209617	4.91E-06	0.207972	5.85E-06	0.172254
0.031727	0.494	0.074769	0.10659	-0.00901	0.84607	-0.01506	0.7455	0.06878
0.048308	0.29752	-0.17124	0.0002	-0.0268	0.56344	-0.1749	0.00015	0.035046
0.182107	7.56E-05	0.099145	0.03219	0.300195	3.51E-11	0.130289	0.0048	0.249586
-0.063	0.17407	-0.20108	1.19E-05	-0.23002	5.03E-07	-0.31805	1.95E-12	-0.23154
0.048406	0.29654	0.013375	0.77314	0.050836	0.27293	0.028734	0.53565	0.045091
0.259379	1.29E-08	0.289705	1.76E-10	0.345086	1.66E-14	0.307165	1.16E-11	0.314352
0.050218	0.27881	-0.02088	0.65263	0.101593	0.02815	0.072282	0.11879	0.063013
0.146392	0.00151	0.17933	9.76E-05	0.061166	0.187	-0.01688	0.71603	0.061505
-0.03337	0.47185	-0.01028	0.82471	-0.14771	0.00137	-0.13437	0.00362	-0.12291
0.220344	1.52E-06	0.025835	0.5776	0.178498	0.00011	0.063916	0.16791	0.203213
-0.04996	0.28127	0.083603	0.07108	-0.01452	0.75433	-0.00682	0.88322	0.052944
0.197321	1.75E-05	0.073666	0.11187	0.323872	7.26E-13	0.126542	0.00618	0.245794
0.206965	6.50E-06	0.254685	2.39E-08	0.127831	0.00567	0.197061	1.79E-05	0.053305
0.076149	0.10026	0.129123	0.0052	0.075984	0.10101	0.031595	0.4958	0.123597
-0.07354	0.11248	-0.02329	0.61565	-0.05248	0.25772	-0.09308	0.04437	0.001314
-0.0899	0.05221	-0.08275	0.07403	-0.29879	4.37E-11	-0.19352	2.55E-05	-0.28853
-0.0181	0.69639	0.002806	0.95177	0.009787	0.83293	-0.01718	0.7111	0.038487
0.130174	0.00484	0.060473	0.19205	0.186448	5.04E-05	0.136255	0.00317	0.122104
0.011451	0.80507	-0.00079	0.98639	0.052564	0.25694	-0.01033	0.82384	0.03703
-0.08599	0.06336	-0.11153	0.01589	-0.17118	0.0002	-0.16413	0.00037	-0.07227
0.063146	0.1731	0.044371	0.33869	0.04392	0.34362	0.031025	0.50361	0.094575
0.089195	0.05408	0.058634	0.20595	0.051548	0.26626	0.037225	0.42223	0.04736
0.063254	0.17237	0.014719	0.75106	-0.01242	0.78895	-0.04097	0.377	0.062184
0.031292	0.49995	-0.03785	0.41447	0.022601	0.62615	-0.01137	0.80643	0.006825
0.077995	0.09227	0.081134	0.07986	0.036641	0.42955	0.073807	0.11118	0.065896
-0.0024	0.95868	-0.05131	0.26846	0.070953	0.12574	-0.06957	0.13332	0.039988
-0.15045	0.00111	-0.17848	0.00011	-0.08704	0.06019	-0.08123	0.0795	-0.09053
0.076032	0.10079	0.003841	0.93402	-0.14233	0.00205	-0.14922	0.00122	-0.13249
0.305847	1.44E-11	0.209014	5.24E-06	0.315246	3.11E-12	0.178355	0.00011	0.268631
0.197262	1.76E-05	0.049073	0.28993	0.236331	2.38E-07	0.172139	0.00019	0.158096
0.062172	0.17984	-0.18476	5.91E-05	0.064282	0.16548	0.056804	0.22049	-0.01259
-0.00885	0.84871	-0.02874	0.53562	0.044558	0.33665	0.034635	0.45526	0.074194
-0.06089	0.18901	0.032889	0.47831	-0.15095	0.00107	-0.10518	0.02301	-0.00883
0.018286	0.69348	-0.10317	0.02578	0.129074	0.00521	0.084182	0.06914	0.118824
0.305749	1.46E-11	0.278222	9.50E-10	0.1263	0.00628	0.116907	0.01146	0.175709
0.124221	0.0072	0.034242	0.46039	-0.00496	0.91495	0.012736	0.7837	-0.00976
0.193698	2.50E-05	0.281054	6.31E-10	0.162854	0.00041	0.182518	7.28E-05	0.184837
0.031048	0.50329	0.002013	0.96539	-0.06388	0.16815	-0.05176	0.26429	0.033988
-0.05801	0.21085	-0.06284	0.17519	-0.03149	0.49729	-0.07798	0.09235	-0.0514
0.154221	0.00083	0.046345	0.31761	0.053992	0.24422	-0.0892	0.05407	0.134971
0.078241	0.09125	0.001827	0.9686	0.016094	0.72868	0.049762	0.28321	0.001577
-0.11246	0.01504	-0.19709	1.79E-05	-0.15469	0.0008	-0.2358	2.54E-07	-0.16059

0.148109	0.00133	-0.05228	0.25952	0.236365	2.37E-07	0.098428	0.03346	0.034749
-0.14913	0.00123	-0.13836	0.00273	-0.0374	0.41999	-0.12648	0.0062	0.002164
0.320997	1.18E-12	-0.07008	0.13048	-0.19797	1.64E-05	-0.13668	0.00308	-0.21072
0.113646	0.014	0.175603	0.00014	0.109532	0.0179	0.022194	0.63237	0.135196
0.060433	0.19235	0.090532	0.05056	0.102379	0.02694	0.078481	0.09025	0.117913
0.035812	0.44007	-0.00982	0.83243	0.014201	0.75955	-0.04922	0.28853	0.092692
0.014178	0.75992	0.0497	0.2838	-0.08214	0.07618	-0.09962	0.03137	-0.0138
0.057097	0.2181	-0.0728	0.11616	-0.10032	0.03019	-0.19743	1.73E-05	0.024836
-0.06393	0.16779	-0.01087	0.81472	-0.09195	0.04705	-0.06456	0.16366	-0.00971
0.116263	0.01193	0.106088	0.02185	0.163423	0.00039	0.061544	0.18429	0.224759
0.252516	3.16E-08	0.112741	0.01479	0.100434	0.03	0.076174	0.10015	0.065631
0.200014	1.33E-05	0.053213	0.25111	0.031157	0.50179	0.052192	0.26033	-0.02764
0.101882	0.0277	0.097474	0.03522	0.005967	0.89767	0.026362	0.56986	0.074879
0.013873	0.76494	0.040659	0.38068	0.00264	0.95462	-0.01766	0.70339	-0.01852
-0.00373	0.936	0.080961	0.0805	-0.04653	0.3157	-0.08603	0.06322	-0.0051
0.106282	0.02161	0.156921	0.00067	0.037283	0.42151	0.013509	0.77093	0.063522
0.117164	0.01128	0.029982	0.51806	0.126899	0.00603	0.14946	0.0012	0.111261
0.005757	0.90126	-0.0509	0.27232	-0.00128	0.97806	-0.04619	0.31928	0.114267
0.141374	0.0022	0.147295	0.00141	0.050851	0.27279	0.038699	0.40408	0.042995
-0.01882	0.68502	-0.00661	0.88669	0.015547	0.73756	-0.00314	0.94601	0.04533
-0.01856	0.68905	0.048479	0.29581	-0.00551	0.90539	-0.01281	0.78246	0.055148
0.04731	0.30763	0.113834	0.01384	0.016748	0.71811	0.002539	0.95637	-0.09399
0.063553	0.17035	0.032895	0.47823	0.2455	7.72E-08	0.183996	6.34E-05	0.194381
-0.02865	0.53688	-0.05019	0.27911	0.020383	0.6604	-0.02832	0.54152	0.029246
0.03217	0.48799	0.01509	0.74501	-0.0268	0.56341	-0.0136	0.76947	-0.02724
0.107002	0.02074	0.117997	0.01071	0.046332	0.31775	-0.02101	0.65058	0.080416
0.051252	0.26902	0.093012	0.04454	0.027971	0.54653	0.029368	0.52668	0.054833
0.087304	0.0594	0.083337	0.07198	0.023035	0.61952	-0.0566	0.22211	0.154665
-0.11478	0.01306	-0.35428	2.95E-15	-0.11784	0.01082	-0.20934	5.06E-06	-0.263
0.218563	1.86E-06	0.250001	4.37E-08	-0.04059	0.38145	-0.01553	0.73781	-0.02871
0.042991	0.35393	0.328379	3.33E-13	0.069258	0.13506	0.122784	0.0079	0.078461
0.152299	0.00096	0.147321	0.00141	0.212236	3.71E-06	0.076293	0.09962	0.288213
0.159989	0.00052	-0.06762	0.14453	0.094021	0.04227	0.025027	0.58956	0.050187
-0.01516	0.74388	-0.03341	0.47141	0.02283	0.62264	0.045798	0.32336	0.090845
0.142176	0.00207	0.131578	0.0044	0.080159	0.08356	0.311564	5.69E-12	-0.02325
-0.0594	0.20007	-0.13809	0.00278	-0.05912	0.20217	-0.06552	0.1575	-0.08484
-0.2007	1.24E-05	-0.12375	0.00742	-0.23852	1.83E-07	-0.1383	0.00274	-0.22854
0.117019	0.01138	0.027757	0.54961	0.053653	0.2472	0.080852	0.08092	-0.00538
0.175646	0.00014	0.112027	0.01543	-0.07521	0.10453	0.05899	0.2032	-0.07654
0.176382	0.00013	0.128477	0.00543	0.1763	0.00013	0.106258	0.02164	0.210146
-0.04748	0.30589	-0.11193	0.01552	0.077476	0.09447	-0.08307	0.07291	0.131295
-0.0728	0.11615	-0.01579	0.73357	-0.03633	0.4335	-0.05053	0.27579	0.087035
-0.07605	0.1007	-0.09509	0.03997	-0.03165	0.49505	-0.06007	0.19505	-0.08793
0.016152	0.72773	0.001355	0.97671	0.113805	0.01386	0.106574	0.02125	0.153412
0.013724	0.76739	0.084478	0.06816	0.159062	0.00056	0.139719	0.00248	0.132562

-0.00627	0.89253	-0.10362	0.02514	-0.00437	0.92495	-0.10854	0.01896	0.000947
-0.05837	0.20798	0.061244	0.18644	-0.10662	0.02119	-0.08623	0.06262	-0.05143
0.10479	0.02353	0.135674	0.00331	-0.00618	0.89404	0.108642	0.01885	0.004604
0.024749	0.5937	0.046026	0.32095	0.017866	0.70018	-0.01617	0.72741	0.11689
-0.13364	0.00381	-0.09828	0.03372	-0.09375	0.04286	-0.11767	0.01093	-0.08139
0.007441	0.87259	-0.01273	0.78381	-0.00499	0.91434	-0.05145	0.26718	0.06446
-0.06357	0.17024	0.100119	0.03052	-0.13799	0.00281	0.068564	0.13902	-0.03481
-0.03556	0.44326	0.000314	0.9946	-0.01987	0.66845	0.001502	0.97418	-0.01634
-0.17954	9.57E-05	-0.14942	0.0012	-0.27386	1.77E-09	-0.1523	0.00096	-0.17949
-0.16154	0.00046	-0.12048	0.00916	-0.17725	0.00012	-0.06313	0.17319	-0.15706
-0.00814	0.86068	0.030246	0.51439	-0.03022	0.5148	0.031824	0.49268	-0.02917
-0.0319	0.49166	-0.09584	0.03841	-0.08532	0.06543	-0.09922	0.03206	-0.01928
-0.16299	0.00041	-0.16878	0.00025	-0.26688	4.67E-09	-0.1819	7.71E-05	-0.18901
-0.02646	0.56836	0.044585	0.33636	-0.16552	0.00033	0.010889	0.81445	-0.0921
-0.02775	0.54976	0.045566	0.32582	-0.16315	0.0004	-0.03478	0.45342	-0.09562
-0.02457	0.59639	-0.07147	0.12298	-0.05268	0.25591	-0.01807	0.69688	-0.0353
0.086619	0.06144	0.176168	0.00013	0.101121	0.02889	0.127426	0.00582	0.128378
-0.01832	0.69288	0.001624	0.97209	-0.12014	0.00936	0.00653	0.88808	-0.07094
0.037083	0.424	-0.06332	0.17189	0.13482	0.00351	0.108663	0.01883	0.084887
-0.0681	0.14173	0.009152	0.84364	-0.01121	0.80903	0.036101	0.43639	0.034186
-0.02184	0.63783	0.007927	0.86434	-0.01339	0.77285	-0.04391	0.34377	0.001899
0.125437	0.00664	0.082582	0.07461	0.049238	0.28831	0.013794	0.76623	0.029982
0.101938	0.02761	0.038415	0.40754	0.097847	0.03452	0.069883	0.13156	0.059558
-0.03874	0.4036	-0.04853	0.29532	-0.04265	0.35779	-0.0765	0.09871	-0.02861
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0.10092	0.02921	0.038161	0.41065	0.002594	0.95542	-0.05734	0.21618	0.12726
-0.08306	0.07292	-0.13777	0.00285	-0.09251	0.04572	-0.10366	0.02508	0.009589
0.036229	0.43476	0.002924	0.94976	0.017645	0.70371	-0.01963	0.67227	0.037062
-0.03738	0.42027	0.090808	0.04986	-0.14378	0.00184	-0.13173	0.00435	-0.05355
0.001439	0.97526	0.021684	0.64022	-0.00585	0.89963	-0.02423	0.60144	0.049724
-0.08789	0.0577	0.068148	0.14144	-0.19993	1.34E-05	-0.06711	0.14764	-0.17309
-0.02891	0.53319	-0.04456	0.33661	-0.03704	0.42455	-0.09481	0.04057	0.018052
0.088491	0.05601	0.115837	0.01225	0.01168	0.80124	0.015553	0.73745	-0.03863
-0.10257	0.02665	-0.05043	0.27682	-0.06502	0.16065	-0.06754	0.14504	-0.04247
0.103698	0.02503	0.06525	0.15919	0.040506	0.38246	0.003414	0.94134	0.052094
-0.00901	0.84606	-0.12807	0.00558	0.053766	0.24621	0.056109	0.22619	0.057383
-0.03034	0.51308	-0.02448	0.59772	-0.01469	0.75156	-0.01715	0.7116	-0.01299
-0.01157	0.80305	-0.12067	0.00905	0.05995	0.19594	-0.10935	0.01809	0.057369
0.067451	0.14556	0.049155	0.28913	0.073853	0.11096	-0.05644	0.22348	0.026415
-0.027	0.56051	-0.0359	0.43893	0.074613	0.10733	0.004761	0.91827	0.32799
0.272209	2.23E-09	0.177911	0.00011	0.324601	6.41E-13	0.162815	0.00041	0.351902
-0.04565	0.32494	-0.036	0.43763	0.109491	0.01794	0.063537	0.17045	0.152204
-0.07906	0.08789	-0.07593	0.10124	-0.05999	0.19563	0.049116	0.28951	-0.04738
-0.00715	0.87749	0.005593	0.90405	0.042362	0.36103	0.033114	0.4753	0.059591
-0.20358	9.24E-06	-0.15049	0.00111	-0.28297	4.78E-10	-0.13587	0.00326	-0.31816

0.078535	0.09003	0.138413	0.00272	0.234787	2.87E-07	0.111536	0.01589	0.29527
0.083756	0.07056	0.182567	7.24E-05	-0.04712	0.30955	0.021501	0.64304	-0.0162
0.190784	3.32E-05	0.035458	0.4446	0.071544	0.12261	0.111157	0.01586	0.02224
0.006189	0.89388	-0.05815	0.20974	-0.19388	2.46E-05	-0.14693	0.00145	-0.0824
0.020063	0.66541	0.065963	0.15468	0.077811	0.09304	0.131003	0.00457	0.046723
-0.01299	0.77951	0.048857	0.29206	0.119317	0.00986	0.100087	0.03058	0.122974
0.187577	4.52E-05	0.262908	8.02E-09	0.008356	0.85708	0.026147	0.57301	0.093315
-0.11811	0.01063	-0.09711	0.03592	-0.10695	0.0208	-0.13543	0.00336	-0.04931
-0.04413	0.34127	-0.10989	0.01752	-0.04979	0.28296	-0.11722	0.01124	-0.06225
0.178897	0.0001	0.272058	2.28E-09	-0.02535	0.58478	0.099528	0.03152	-0.08135
0.126291	0.00628	0.143138	0.00193	-0.08028	0.08308	0.027278	0.55653	0.027701
-0.02992	0.51894	0.032063	0.48943	-0.00404	0.93053	0.033859	0.46543	0.094595
0.002158	0.96291	0.090275	0.05122	0.025854	0.57731	0.006117	0.89511	0.148643
-0.03184	0.49251	-0.11413	0.01359	0.060943	0.18862	-0.11817	0.0106	0.144462
-0.28904	1.94E-10	-0.11342	0.01419	-0.22562	8.38E-07	-0.06052	0.1917	-0.15846
0.077677	0.09361	0.053472	0.2488	0.161899	0.00044	0.062204	0.17961	0.189385
-0.09092	0.04959	-0.09967	0.03128	-0.1229	0.00784	-0.10999	0.01742	-0.01394
0.052076	0.26139	-0.08528	0.06557	0.118546	0.01035	0.054383	0.24082	0.062595
0.023034	0.61954	0.135664	0.00331	0.08363	0.07099	0.095102	0.03995	0.048916
0.094055	0.04219	0.06615	0.15351	0.02705	0.55983	-0.02997	0.51824	0.075117
0.170881	0.00021	0.110903	0.0165	0.172556	0.00018	0.225005	8.99E-07	-0.01893
-0.0212	0.64766	-0.18738	4.61E-05	-0.02004	0.66576	-0.08913	0.05427	-0.05377
0.040362	0.38416	0.049857	0.28228	0.0701	0.13036	0.029714	0.52181	0.082433
0.470751	3.94E-27	0.190043	3.57E-05	0.241199	1.32E-07	0.203405	9.41E-06	0.25565
0.205721	7.40E-06	0.11401	0.01369	0.275896	1.33E-09	0.263087	7.83E-09	0.153319
0.034311	0.45948	0.100713	0.02955	-0.01075	0.81674	-0.07095	0.12573	0.119866
0.153678	0.00086	0.206254	7.00E-06	0.105772	0.02225	0.127723	0.00571	0.11094
0.197494	1.72E-05	0.055669	0.22986	0.240465	1.44E-07	0.15123	0.00104	0.215763
0.115431	0.01255	0.095452	0.03922	0.0484	0.2966	0.071545	0.12261	0.067794
-0.05183	0.2636	-0.04624	0.31873	0.010271	0.8248	0.028419	0.54013	-0.00849
0.048662	0.29399	-0.0429	0.35498	0.055675	0.22981	0.009607	0.83597	0.072317
0.104818	0.02349	-0.07211	0.11968	0.122273	0.00816	0.092359	0.04606	0.055634
0.189143	3.89E-05	0.124343	0.00714	0.155258	0.00076	0.12732	0.00586	0.144155
-0.09727	0.03561	-0.03602	0.43741	0.053953	0.24456	0.054808	0.23716	0.003891
0.146919	0.00145	-0.08264	0.07441	0.090157	0.05153	0.056571	0.22239	-0.01248
0.0236	0.61097	-0.02128	0.64648	0.012923	0.7806	-0.01233	0.79043	0.105556
-0.05281	0.25472	-0.08688	0.06064	0.100514	0.02987	-0.00937	0.83997	0.071713
-0.18538	5.57E-05	-0.11607	0.01207	0.099121	0.03223	0.014966	0.74703	0.068666
-0.0145	0.75465	0.00073	0.98745	-0.04628	0.31827	-0.09483	0.04052	0.02395
0.172878	0.00017	0.231844	4.06E-07	0.299215	4.10E-11	0.401322	1.69E-19	0.213685
0.294497	8.49E-11	-0.00933	0.8407	-0.163	0.00041	-0.08445	0.06823	-0.1853
-0.04016	0.38655	0.152026	0.00098	0.120997	0.00886	0.252088	3.34E-08	-0.06008
0.075337	0.10395	-0.05909	0.20245	-0.11128	0.01614	-0.0168	0.71734	-0.12891
0.15025	0.00113	-0.04863	0.29428	-0.06299	0.17415	0.010196	0.82606	-0.0958
0.103762	0.02494	-0.12137	0.00865	-0.12565	0.00655	-0.18944	3.79E-05	0.034846

-0.11258	0.01493	-0.24789	5.71E-08	-0.22186	1.29E-06	-0.23655	2.32E-07	-0.15902
-0.01476	0.75037	-0.02162	0.64121	0.074987	0.10557	0.015325	0.74118	0.024156
0.081464	0.07864	0.015396	0.74002	0.074779	0.10655	-0.041	0.37669	0.13996
-0.07126	0.12412	-0.09444	0.04136	-0.07249	0.11774	-0.06453	0.16386	-0.07227
0.078282	0.09107	0.017639	0.70381	-0.10445	0.02399	-0.03758	0.41778	-0.06525
-0.08189	0.0771	-0.01607	0.72908	-0.09549	0.03914	-0.10313	0.02583	-0.08627
-0.01718	0.71118	0.057216	0.21714	0.114908	0.01296	0.077031	0.09638	0.161361
0.050133	0.27963	0.053945	0.24463	0.112143	0.01533	0.072748	0.11642	0.056575
0.021024	0.65043	0.034002	0.46354	-0.05304	0.25269	-0.04479	0.33416	-0.01935
-0.00247	0.95747	0.001616	0.97221	-0.06014	0.19449	-0.08845	0.05613	-0.03437
-0.02034	0.66115	-0.09175	0.04753	0.011415	0.80566	-0.14098	0.00226	0.107326
0.144178	0.00179	0.006751	0.88432	0.059734	0.19756	0.022804	0.62304	-0.01075
0.057997	0.21093	0.059562	0.19885	0.120886	0.00892	-0.00354	0.93926	0.131537
0.00055	0.99054	-0.0216	0.64152	-0.05517	0.23404	-0.01444	0.7556	-0.13128
0.000578	0.99005	0.116143	0.01202	-0.00054	0.99068	0.043766	0.34532	0.082377
0.020865	0.6529	-0.01688	0.71606	-0.04232	0.36155	-0.14894	0.00125	-0.01794
-0.07282	0.11606	-0.0699	0.13146	-0.04744	0.30629	-0.05845	0.20741	-0.05349
-0.01491	0.74799	0.036454	0.43191	0.03037	0.51266	-0.04728	0.30797	0.108209
0.191558	3.08E-05	0.105593	0.02248	0.210565	4.44E-06	0.059018	0.20299	0.299461
0.103722	0.02499	-0.06265	0.17649	-0.05681	0.22043	-0.12762	0.00575	0.044975
0.031864	0.49214	-0.08879	0.05519	-0.02334	0.61492	-0.06088	0.18906	0.006078
0.015572	0.73716	0.063321	0.17191	0.095668	0.03877	0.074319	0.10872	0.084113
-0.08138	0.07896	-0.1082	0.01935	-0.04859	0.29474	-0.07714	0.09591	-0.0416
0.026565	0.56689	0.070117	0.13027	0.043192	0.35169	0.056394	0.22384	0.049319
-0.03087	0.50572	-0.08247	0.075	-0.06092	0.18878	-0.13823	0.00276	0.034616
-0.06069	0.19044	-0.13624	0.00318	-0.08024	0.08326	-0.09157	0.04796	-0.09434
0.011146	0.81016	-0.01103	0.81209	0.064536	0.16382	0.002709	0.95345	0.056282
0.123392	0.00759	0.055366	0.23241	0.042753	0.35661	-0.01248	0.78792	0.115857
0.00411	0.92942	0.01652	0.72178	0.128968	0.00525	0.109706	0.01771	0.104538
-0.02982	0.52038	-0.07781	0.09306	-0.0283	0.54187	-0.05157	0.26602	0.042377
0.1634	0.00039	-0.04122	0.37416	0.030386	0.51244	-0.01917	0.67948	0.05057
-0.00857	0.8535	0.019068	0.68107	0.069701	0.13257	0.025792	0.57823	0.125729
-0.03424	0.46041	-0.21497	2.76E-06	-0.04985	0.28238	-0.16895	0.00024	-0.08261
-0.07112	0.12483	-0.09712	0.0359	-0.09397	0.04237	-0.10549	0.02261	-0.06746
-0.09516	0.03983	-0.16295	0.00041	-0.10914	0.01831	-0.14187	0.00212	-0.05234
0.039286	0.39698	-0.11117	0.01624	0.072711	0.11661	-0.00554	0.90491	0.029922
-0.10455	0.02386	-0.07008	0.13045	-0.00508	0.91284	0.050388	0.27719	0.001695
-0.051	0.27137	-0.03378	0.46647	-0.0054	0.90736	-0.01703	0.71361	-0.01883
-0.05533	0.23275	-0.07912	0.08767	-0.11271	0.01481	-0.09878	0.03283	-0.12676
0.06646	0.15159	-0.10752	0.02013	-0.01667	0.71933	-0.05327	0.25059	0.008313
0.195532	2.09E-05	0.047608	0.30459	0.012562	0.78659	0.058875	0.20409	0.043749
-0.00703	0.87954	0.00127	0.97816	0.018985	0.68239	0.028515	0.53876	0.061323
0.120317	0.00925	-0.04818	0.29876	-0.0141	0.76124	-0.01472	0.75106	0.003834
-0.03484	0.45255	-0.04004	0.38803	-0.00564	0.90324	-0.03594	0.4385	0.037235
-0.02114	0.64858	-0.08443	0.06833	-0.04023	0.38578	-0.06135	0.18565	-0.00587

-0.05229	0.25946	-0.02341	0.6139	-0.04302	0.35365	-0.00012	0.99802	-0.03241
0.031186	0.5014	0.016134	0.72803	0.063298	0.17207	0.02144	0.64398	0.031357
-0.02709	0.55923	0.050781	0.27345	-0.05423	0.24211	-0.02431	0.60028	-0.06884
0.056152	0.22583	0.036665	0.42925	0.060294	0.19338	0.018656	0.6876	-0.00902
0.005503	0.90559	-0.0067	0.8852	0.056951	0.21929	-0.02133	0.64568	0.081005
-0.04569	0.32451	-0.01881	0.68517	-0.00029	0.99498	-0.02948	0.52504	0.03193
0.041033	0.37631	-0.03088	0.50554	0.005604	0.90386	-0.01131	0.80741	-0.02514
-0.06702	0.14818	-0.03782	0.41487	-0.00914	0.84386	-0.00016	0.99724	-0.00206
0.033208	0.47405	0.025648	0.58036	0.074045	0.11004	-0.01716	0.71154	0.1445
-0.03966	0.39255	-0.06146	0.18491	0.025102	0.58845	-0.02285	0.62239	0.030534
0.031456	0.4977	-0.03401	0.46337	-0.08513	0.06604	-0.06606	0.15408	-0.01094
-0.06909	0.13599	-0.08652	0.06173	-0.05589	0.22799	-0.08924	0.05395	-0.0123
-0.04417	0.34085	-0.01774	0.70219	-0.05419	0.24253	-0.06598	0.15457	0.0125
0.073784	0.1113	0.072356	0.11841	0.093601	0.0432	0.076841	0.09721	0.12646
0.079868	0.08469	-0.02008	0.66513	0.029209	0.52892	-0.01664	0.71986	0.022865
0.054427	0.24044	-0.06482	0.16195	-0.07183	0.12113	-0.06425	0.16572	-0.03762
-0.00454	0.92205	-0.0229	0.62163	-0.04231	0.36164	-0.02358	0.61124	-0.04937
0.121311	0.00868	0.053716	0.24664	0.05538	0.23229	0.057159	0.21761	0.084948
0.005052	0.9133	-0.05865	0.20579	-0.02893	0.53292	-0.03011	0.51633	-0.01646
0.022515	0.62746	-0.06169	0.18327	-0.02024	0.66263	-0.09368	0.04304	-0.00859
0.050777	0.27349	0.123741	0.00742	-2.13E-05	0.99963	0.034744	0.45383	0.102659
0.115432	0.01255	-0.10518	0.02301	-0.13716	0.00298	-0.05949	0.19936	-0.15349
0.149396	0.0012	-0.06237	0.17849	-0.11371	0.01394	-0.00833	0.85755	-0.14883
0.187093	4.74E-05	0.098819	0.03276	0.064598	0.16341	0.042438	0.36017	-0.01441
0.25074	3.97E-08	0.012898	0.78102	0.228143	6.27E-07	0.01664	0.71985	0.223587
0.090752	0.05	-0.00213	0.96343	0.142079	0.00209	-0.06711	0.14759	0.23973
-0.19563	2.07E-05	-0.27456	1.60E-09	-0.27639	1.24E-09	-0.16686	0.00029	-0.36196
0.033466	0.47062	0.159184	0.00055	-0.10758	0.02006	0.029149	0.52977	-0.06182
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0.215138	2.71E-06	0.201175	1.18E-05	0.235076	2.77E-07	0.269256	3.37E-09	0.122577
-0.03023	0.51465	0.073391	0.11322	0.041913	0.36615	0.107307	0.02037	0.101085
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0.014	0.76285	0.045546	0.32604	0.000778	0.98661	-0.06272	0.17606	0.027086
0.02819	0.5434	-0.03653	0.43101	-0.01912	0.68031	-0.08354	0.07129	0.006572
-0.00336	0.94225	0.0122	0.7926	0.078312	0.09095	-0.03259	0.48237	0.029323
0.142821	0.00197	0.092502	0.04573	0.0779	0.09267	0.069008	0.13647	0.073116
0.253836	2.67E-08	0.050207	0.27891	0.003678	0.93682	-0.01083	0.81551	-0.00553
0.041418	0.37184	0.049362	0.28709	0.028488	0.53915	-0.00788	0.8652	0.003795
-0.03474	0.45387	-0.03728	0.4216	-0.11858	0.01033	-0.17322	0.00017	-0.10689
0.081865	0.07717	0.082155	0.07612	0.013433	0.77219	-0.02569	0.57974	0.06802
0.022062	0.6344	-0.00789	0.86491	0.026563	0.56692	0.015102	0.74479	0.044134
-0.12147	0.00859	-0.0826	0.07454	-0.20856	5.49E-06	-0.26249	8.48E-09	-0.07074
-0.0471	0.30973	0.160446	0.0005	-0.03137	0.49894	0.096475	0.03715	-0.07218
-0.10833	0.0192	0.107922	0.01966	-0.14232	0.00205	-0.05266	0.25609	-0.01336
0.2645	6.46E-09	0.02893	0.53287	0.141814	0.00213	-0.01894	0.68306	0.236096

-0.16008	0.00052	-0.08889	0.0549	-0.18697	4.79E-05	-0.11205	0.01541	-0.13839
0.186789	4.88E-05	0.170163	0.00022	0.269036	3.47E-09	0.194222	2.38E-05	0.261333
-0.02039	0.66025	-0.1938	2.48E-05	-0.10168	0.02801	-0.31611	2.69E-12	-0.02268
-0.02949	0.52492	0.009432	0.83892	-0.17351	0.00016	-0.14234	0.00205	-0.17786
0.06493	0.16125	0.141575	0.00216	-0.11173	0.01571	-0.06116	0.18704	-0.10951
0.027325	0.55585	-0.09396	0.04241	0.111283	0.01613	0.014157	0.76027	-0.0187
0.168727	0.00025	0.205283	7.75E-06	0.141276	0.00221	0.186971	4.79E-05	0.089016
0.129315	0.00513	0.101437	0.02839	-0.05761	0.21396	-0.06746	0.14551	0.081924
0.037314	0.42112	0.100217	0.03036	0.103721	0.025	0.074288	0.10887	0.143646
0.023808	0.60782	0.060546	0.19152	0.027121	0.5588	0.030686	0.50828	0.049388
0.072669	0.11682	-0.17865	0.0001	0.093511	0.0434	-0.07892	0.08845	0.143139
0.132135	0.00423	0.219517	1.67E-06	0.312236	5.10E-12	0.217912	2.00E-06	0.337375
-0.01196	0.79659	0.054143	0.2429	-0.01794	0.69898	0.021669	0.64045	0.036089
-0.1769	0.00012	-0.4608	6.32E-26	-0.26517	5.90E-09	-0.38502	5.97E-18	-0.26172
-0.01217	0.79303	-0.11232	0.01516	0.186665	4.93E-05	0.036551	0.43069	0.041376
0.010474	0.8214	0.12955	0.00505	-0.1435	0.00188	-0.08021	0.08337	-0.11682
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0.117786	0.01085	-0.05808	0.21028	0.027406	0.55467	-0.10628	0.02162	-0.00275
0.054915	0.23624	0.091842	0.0473	0.059482	0.19945	0.009672	0.83488	0.066774
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-0.04705	0.31031	0.072946	0.11543	-0.25989	1.20E-08	-0.18818	4.27E-05	-0.21563
0.124632	0.007	0.125846	0.00647	0.012189	0.79277	-0.00272	0.95321	0.109334
0.063677	0.16951	0.137905	0.00282	0.024014	0.60471	-0.03032	0.51341	0.101525
0.001612	0.97229	0.045582	0.32565	-0.00888	0.84822	-0.08119	0.07964	0.069969
0.077092	0.09612	0.108443	0.01907	0.115898	0.0122	0.075034	0.10536	0.103344
0.001993	0.96574	0.028062	0.54524	-0.08842	0.0562	-0.09502	0.04012	-0.05631
0.315027	3.22E-12	0.504868	1.42E-31	0.281368	6.03E-10	0.43639	3.91E-23	0.228814
0.314427	3.56E-12	0.158999	0.00056	0.353606	3.36E-15	0.229901	5.11E-07	0.221715
0.019911	0.6678	-0.12616	0.00634	-0.09845	0.03342	-0.21019	4.62E-06	-0.07445
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0.086181	0.06276	0.099743	0.03116	-0.12668	0.00612	-0.07611	0.10044	-0.02124
0.047414	0.30657	-0.01305	0.77854	0.134352	0.00363	0.096633	0.03684	0.154547
0.034955	0.45109	-0.01975	0.67028	0.103994	0.02461	-0.02271	0.62445	0.08013
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0.110291	0.01711	0.035385	0.44554	0.025285	0.58573	-0.05466	0.23842	0.11678
0.09683	0.03646	0.018789	0.68549	0.077651	0.09372	0.069069	0.13613	0.013456
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0.079285	0.08699	0.127659	0.00573	0.269836	3.11E-09	0.092902	0.04479	0.365373
0.227843	6.49E-07	0.000108	0.99814	-0.19997	1.34E-05	-0.12385	0.00737	-0.15226
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-0.00756	0.87051	-0.0131	0.77773	0.139026	0.0026	0.132313	0.00418	0.104257
0.128296	0.00549	0.059614	0.19846	0.154326	0.00082	0.057539	0.21456	0.067785
-0.12542	0.00665	-0.1847	5.94E-05	-0.08058	0.08195	-0.08904	0.05451	-0.16416
-0.02052	0.65828	-0.0587	0.20541	-0.11501	0.01288	-0.1166	0.01168	-0.06489

-0.08709	0.06003	-0.01523	0.74264	-0.15303	0.00091	-0.06373	0.16914	-0.11799
0.046772	0.31316	0.071559	0.12253	0.07811	0.09179	0.027568	0.55234	0.101775
0.292161	1.21E-10	0.055862	0.22825	0.1529	0.00092	0.115133	0.01279	0.066464
0.167765	0.00027	-0.0478	0.30259	-0.00527	0.90951	-0.00051	0.99126	0.022345
0.041248	0.3738	0.086049	0.06317	0.072057	0.11994	0.046195	0.31918	0.128349
0.109049	0.01841	0.045464	0.32691	0.072912	0.1156	0.079775	0.08506	0.091113
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0.237875	1.98E-07	0.1001	0.03055	0.122708	0.00794	0.088065	0.05721	0.119899
0.031791	0.49313	0.013686	0.76801	0.013202	0.776	0.00403	0.93079	0.064218
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-0.08083	0.081	0.02996	0.51838	-0.26063	1.09E-08	-0.20153	1.14E-05	-0.0896
0.124156	0.00723	-0.06184	0.18216	-0.05176	0.2643	-0.23609	2.45E-07	0.00485
0.176927	0.00012	0.05717	0.21752	0.286418	2.87E-10	0.234096	3.11E-07	0.107543
-0.06662	0.15058	-0.30727	1.14E-11	-0.06607	0.15401	-0.26699	4.60E-09	-0.05424
0.023415	0.61375	0.05948	0.19947	0.119562	0.00971	0.097398	0.03537	0.117821
0.138146	0.00277	0.017933	0.69911	0.196526	1.89E-05	0.080944	0.08057	0.240136
0.086451	0.06194	-0.0091	0.84455	0.118627	0.0103	0.022711	0.62446	0.146912
0.048447	0.29614	0.050444	0.27665	0.055011	0.23542	0.020237	0.66269	0.120238
0.041978	0.3654	-0.01984	0.66899	0.20327	9.54E-06	0.07241	0.11813	0.167525
-0.00655	0.8877	-0.02699	0.56073	0.020697	0.65552	-0.03218	0.4879	0.079677
0.106489	0.02136	-0.15091	0.00107	-0.06107	0.1877	-0.12323	0.00767	-0.04551
-0.00968	0.83471	-0.07132	0.12376	0.104719	0.02363	-0.04578	0.3235	0.159767
-0.04093	0.37746	-0.10022	0.03035	0.03363	0.46844	-0.09043	0.05083	0.07044
-0.08906	0.05444	-0.17845	0.00011	0.011724	0.80051	-0.10074	0.0295	0.038657
-0.08099	0.0804	-0.23409	3.11E-07	-0.03871	0.4039	-0.15129	0.00104	-0.03951
-0.04757	0.30495	-0.15709	0.00066	0.035536	0.44361	0.002946	0.94938	-0.04061
0.081292	0.07927	-0.20939	5.03E-06	0.093129	0.04427	-0.09699	0.03614	0.02779
0.022397	0.62926	-0.14931	0.00121	0.093053	0.04445	-0.05785	0.21211	0.064667
-0.14273	0.00199	-0.23281	3.62E-07	-0.08453	0.06799	-0.15913	0.00056	-0.10545
-0.00964	0.83538	-0.15358	0.00087	0.152929	0.00091	0.044769	0.33437	0.066199
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0.184527	6.03E-05	0.039433	0.39522	0.161619	0.00045	0.08244	0.07511	0.123261
0.125813	0.00648	0.025982	0.57544	0.217315	2.13E-06	0.10789	0.0197	0.19174
0.02003	0.66594	0.040438	0.38328	0.089447	0.0534	0.089525	0.05319	0.102493
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0.006565	0.88749	-0.00997	0.82991	0.123982	0.00731	0.002895	0.95025	0.150198
0.140256	0.00238	-0.04852	0.29539	0.241015	1.35E-07	0.114163	0.01357	0.122639
0.04698	0.31102	-0.12249	0.00805	0.15867	0.00058	-0.02802	0.54587	0.136882
-0.01655	0.72131	-0.12529	0.00671	0.119313	0.00986	0.030962	0.50447	0.06802
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0.03531	0.44651	0.029151	0.52973	0.039973	0.38877	-0.01728	0.70955	0.085592
0.030496	0.51092	0.060332	0.19309	0.088555	0.05583	0.093654	0.04308	0.134665
0.071984	0.12032	0.043322	0.35024	0.053012	0.2529	0.12454	0.00705	0.045656
0.053697	0.24681	-0.05004	0.2805	0.080306	0.08299	0.016579	0.72084	0.072129



0.132269	0.00419	0.110058	0.01735	0.106588	0.02123	0.067396	0.14589	0.0804
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-0.03833	0.40863	-0.0643	0.16539	0.123968	0.00732	0.099351	0.03183	0.081298
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0.279777	7.60E-10	0.158016	0.00061	0.2965	6.24E-11	0.222619	1.18E-06	0.216412
0.058376	0.20796	0.232732	3.66E-07	0.039017	0.40022	0.0241	0.60342	0.124679
0.113842	0.01383	0.042862	0.35539	0.010295	0.8244	0.05424	0.24206	0.022279
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0.047871	0.30193	-0.03248	0.48374	-0.0483	0.29761	-0.06056	0.19144	0.058892
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0.288242	2.19E-10	0.309516	7.95E-12	0.303349	2.14E-11	0.301142	3.03E-11	0.226387
0.019584	0.67294	0.152754	0.00093	-0.00931	0.84094	-0.00824	0.85907	0.066906
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-0.01797	0.69847	0.034394	0.4584	-0.0695	0.1337	-0.04848	0.29583	-0.08422
0.304799	1.70E-11	0.092332	0.04613	0.148545	0.00128	0.097708	0.03478	0.096766
-0.004	0.93127	-0.0137	0.7677	0.010014	0.82913	-0.02304	0.61944	0.060022
0.027924	0.54722	0.012331	0.79041	-0.07797	0.09236	-0.05402	0.24399	-0.0826
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0.027405	0.55469	0.008815	0.84932	-0.04458	0.33646	-0.04214	0.36352	0.037356
0.237393	2.09E-07	0.121416	0.00863	0.133096	0.00396	0.154071	0.00084	0.101793
0.361271	7.63E-16	0.030876	0.50567	0.065585	0.15706	0.064584	0.16351	0.13915
0.078973	0.08825	-0.02976	0.52123	-0.0643	0.16535	0.051709	0.26476	-0.05689
0.210752	4.35E-06	0.206525	6.81E-06	0.266402	4.99E-09	0.206047	7.15E-06	0.218724
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0.039743	0.3915	-0.16522	0.00034	0.181181	8.23E-05	0.012576	0.78635	0.122218
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0.062855	0.1751	0.069969	0.13108	0.00352	0.93952	-0.03185	0.49237	0.038361
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0.045884	0.32246	-0.05516	0.23419	-0.07504	0.10532	-0.04547	0.3268	-0.04109
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0.18859	4.11E-05	-0.04402	0.34253	0.145091	0.00167	-0.00471	0.91915	0.140443
-0.05598	0.22729	-0.00456	0.92164	0.02457	0.59637	0.017181	0.71114	0.083528
-0.00207	0.96438	0.082757	0.07399	0.038105	0.41134	0.06579	0.15576	-0.04792
0.146539	0.0015	0.031647	0.49509	0.179373	9.72E-05	0.163651	0.00038	0.122056
0.139103	0.00259	0.209552	4.94E-06	0.162811	0.00041	0.369012	1.64E-16	0.057659

0.020389	0.66032	0.046967	0.31116	0.029735	0.52152	0.010502	0.82093	0.031548
0.017595	0.7045	-0.06531	0.15883	-0.01118	0.80957	-0.0669	0.14887	0.061962
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0.069508	0.13365	-0.24717	6.26E-08	0.102724	0.02643	-0.04778	0.30285	0.054995
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0.073932	0.11058	0.101805	0.02782	0.008205	0.85963	-0.00796	0.86373	0.083454
0.014104	0.76114	0.000807	0.98613	0.001789	0.96925	-0.04082	0.37876	0.124566
0.382834	9.49E-18	0.368089	1.97E-16	0.317719	2.06E-12	0.291581	1.32E-10	0.338057
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-0.29579	6.96E-11	-0.34398	2.04E-14	-0.22176	1.30E-06	-0.34109	3.46E-14	-0.13232
0.104289	0.02421	0.370955	1.11E-16	0.062692	0.17622	0.390065	2.02E-18	-0.02648
0.28068	6.67E-10	0.244937	8.28E-08	0.347071	1.15E-14	0.393517	9.54E-19	0.193318
0.04414	0.34121	-0.069	0.13652	-0.19752	1.71E-05	-0.15541	0.00075	-0.07943
0.135539	0.00334	0.010189	0.82619	0.095785	0.03853	0.098364	0.03358	0.080473
0.10937	0.01807	0.036124	0.43609	0.069923	0.13134	0.043584	0.34734	0.136639
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0.071828	0.12113	0.012754	0.78339	0.150601	0.0011	0.204137	8.73E-06	0.037773
0.127595	0.00576	0.189311	3.83E-05	0.018946	0.68301	0.029936	0.51871	0.124619
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0.269272	3.36E-09	0.326873	4.33E-13	0.235416	2.66E-07	0.293358	1.01E-10	0.183604
0.024528	0.597	0.016384	0.72399	0.076435	0.09899	-0.04514	0.33042	0.140645
0.120727	0.00901	0.162366	0.00043	0.22646	7.61E-07	0.260342	1.13E-08	0.095259
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0.167534	0.00028	0.133401	0.00388	0.15212	0.00097	0.072913	0.1156	0.153269
0.030107	0.51632	0.080701	0.08148	0.035631	0.44238	-0.02068	0.65574	0.137816
0.052768	0.25509	0.132386	0.00416	-0.00792	0.86441	-0.03652	0.43107	0.012882
0.129257	0.00515	-0.01184	0.79864	-0.00831	0.85789	-0.03288	0.47848	-0.02655
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0.00148	0.97456	-0.19804	1.63E-05	-0.10871	0.01878	-0.03123	0.50073	-0.26014
0.149431	0.0012	-0.11306	0.01451	0.132195	0.00421	0.05854	0.20668	0.086913
0.17523	0.00014	0.156106	0.00071	0.221381	1.36E-06	0.190875	3.30E-05	0.258325
0.083509	0.0714	0.184031	6.32E-05	0.139525	0.00251	0.194286	2.36E-05	0.128673
0.060451	0.19222	-0.028	0.54614	0.134178	0.00367	0.046375	0.31729	0.19764
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0.075474	0.10332	0.08696	0.06042	-0.07467	0.10707	-0.14792	0.00135	-0.04708
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0.05629	0.2247	-0.16113	0.00047	-0.16352	0.00039	-0.05158	0.26599	-0.177
0.275688	1.37E-09	0.009869	0.83156	0.276071	1.29E-09	0.245989	7.26E-08	0.067399
0.196223	1.95E-05	0.002542	0.9563	-0.00419	0.92812	-0.06512	0.16003	0.04515

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0.087408	0.0591	0.197205	1.77E-05	0.059848	0.1967	0.0248	0.59293	0.126439
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0.013614	0.7692	-0.16945	0.00023	-0.10169	0.028	-0.11351	0.01411	-0.10643
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0.075229	0.10445	0.090299	0.05116	0.210866	4.30E-06	0.129382	0.00511	0.224642
0.027666	0.55092	-0.09458	0.04106	0.109301	0.01814	-0.00198	0.9659	0.080435
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0.161518	0.00046	-0.02885	0.53393	0.100232	0.03033	0.12892	0.00527	0.040947
0.315268	3.09E-12	0.190737	3.34E-05	0.230071	5.00E-07	0.257528	1.64E-08	0.164236
0.150655	0.00109	0.113724	0.01393	-0.02919	0.52917	-0.0301	0.51636	-0.01757
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0.102473	0.0268	-0.19623	1.95E-05	-0.00023	0.99598	-0.07251	0.11764	-0.08528
0.23267	3.69E-07	-0.02125	0.64694	0.027043	0.55994	-0.07289	0.11573	-0.00471
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0.20837	5.60E-06	0.093956	0.04241	0.062422	0.1781	0.000726	0.98751	0.117573
0.078964	0.08829	0.083877	0.07015	0.020008	0.66627	-0.00793	0.86437	0.017116
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0.14965	0.00118	-0.01598	0.73047	0.028748	0.53544	0.040336	0.38447	-0.08657
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0.09505	0.04005	-0.18025	8.97E-05	0.023004	0.62	-0.1026	0.02661	-0.1363
0.047203	0.30873	-0.02019	0.6634	-0.17097	0.00021	-0.02081	0.65382	-0.10238
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0.057322	0.2163	0.182027	7.62E-05	-0.03507	0.44955	0.014483	0.75491	-0.03626
-0.21819	1.94E-06	-0.0749	0.10596	-0.17057	0.00021	-0.14777	0.00136	-0.03045
0.082869	0.0736	-0.28918	1.90E-10	-0.00295	0.94932	-0.10194	0.02761	-0.03835
0.101986	0.02754	-0.05258	0.2568	0.047911	0.30151	-0.07518	0.10468	0.086536
-0.02036	0.66079	-0.28841	2.13E-10	-0.07941	0.0865	-0.17867	0.0001	-0.00485
0.165332	0.00033	0.182978	6.97E-05	0.303021	2.25E-11	0.255387	2.18E-08	0.253479
-0.09944	0.03168	-0.07921	0.08729	-0.07108	0.12504	-0.04555	0.32601	-0.07541
-0.03179	0.49316	0.008505	0.85456	0.012086	0.79449	0.011258	0.80829	0.045357
0.032727	0.48049	0.057789	0.21257	-0.10508	0.02315	-0.07328	0.11377	0.024183
-0.01217	0.79317	0.064131	0.16648	0.122931	0.00782	0.103649	0.0251	0.107615
0.081043	0.0802	0.171499	0.0002	-0.00731	0.87487	-0.02783	0.54855	0.145262
0.0288	0.53471	0.134844	0.00351	-0.14801	0.00134	-0.04143	0.37175	-0.02284

0.013968	0.76337	0.104935	0.02334	0.220836	1.44E-06	0.169593	0.00023	0.249457
-0.02479	0.5931	-0.01642	0.72341	-0.1292	0.00517	-0.09662	0.03687	-0.12241
0.127442	0.00582	0.143368	0.0019	0.059024	0.20294	0.027065	0.55962	0.139918
0.22106	1.41E-06	-0.04422	0.34029	0.129546	0.00505	-0.0918	0.04739	0.169644
-0.04451	0.33716	0.038349	0.40834	0.088853	0.05501	0.158232	0.0006	-0.01469
0.072226	0.11907	0.134206	0.00367	0.011009	0.81244	-0.05109	0.27051	0.092613
-0.21186	3.86E-06	-0.2012	1.18E-05	-0.32055	1.28E-12	-0.31399	3.82E-12	-0.25558
0.096741	0.03663	0.04416	0.34099	0.183094	6.90E-05	0.096607	0.03689	0.094207
0.013382	0.77303	-0.06967	0.13275	-0.14115	0.00223	-0.09962	0.03136	-0.06908
-0.07463	0.10726	-0.12344	0.00757	-0.08081	0.08109	-0.05287	0.25417	-0.09642
-0.07377	0.11137	-0.0101	0.82763	-0.02569	0.57977	0.053918	0.24487	-0.01378
0.091913	0.04713	0.138221	0.00276	0.120335	0.00924	0.137937	0.00282	0.076108
0.01443	0.75578	0.016645	0.71978	-0.05907	0.20258	-0.06653	0.15117	-0.00871
-0.08769	0.05828	-0.03022	0.51481	-0.0629	0.17475	-0.03008	0.51665	-0.08074
-0.0176	0.70448	-0.07535	0.1039	-0.0175	0.70607	-0.09198	0.04696	-0.02389
0.082661	0.07433	0.042712	0.35707	0.109311	0.01813	0.08124	0.07946	0.127783
-0.02661	0.56627	-0.03186	0.49219	-0.13201	0.00427	-0.09298	0.04462	-0.13782
0.190508	3.41E-05	0.128905	0.00527	-0.04486	0.3334	-0.04144	0.37162	-0.05292
-0.03136	0.49908	-0.1256	0.00657	-0.22743	6.81E-07	-0.20688	6.56E-06	-0.24173
-0.00893	0.84734	0.142933	0.00196	-0.04906	0.29007	0.051539	0.26634	-0.07734
0.045984	0.3214	-0.03487	0.45221	-0.00385	0.93382	-0.00281	0.95165	-0.01389
0.204179	8.69E-06	0.130345	0.00478	0.143682	0.00185	0.132408	0.00415	0.093398
0.020604	0.65696	0.049223	0.28846	0.049525	0.2855	0.013326	0.77394	0.060459
0.069464	0.1339	0.062362	0.17851	0.096861	0.03639	0.031253	0.50048	0.07078
0.126741	0.0061	0.097591	0.035	0.063956	0.16765	0.008292	0.85816	0.097008
-0.00792	0.86451	-0.02157	0.64196	0.009898	0.83107	0.020438	0.65955	0.03366
0.023802	0.60791	0.059366	0.20033	0.021837	0.63786	0.018856	0.68442	0.050891
0.009426	0.83901	-0.10606	0.02189	0.002374	0.95919	-0.09645	0.0372	-0.02108
0.00643	0.88977	0.12738	0.00584	-0.01752	0.70574	0.094149	0.04199	0.030987
0.055386	0.23224	-0.0302	0.51503	-0.0256	0.58104	0.062714	0.17607	0.030283
0.230234	4.91E-07	0.136533	0.00311	0.13557	0.00333	0.16391	0.00038	0.050089
0.039025	0.40012	0.137725	0.00286	-0.00182	0.96879	-0.05977	0.19729	0.106785
0.234108	3.11E-07	0.031483	0.49734	0.065773	0.15587	0.055962	0.22741	0.167224
-0.02526	0.58616	0.050696	0.27425	0.11846	0.0104	0.067485	0.14536	0.173715
-0.04246	0.35994	-0.0915	0.04813	0.130539	0.00472	0.040249	0.38549	0.155079
-0.09139	0.04841	-0.08148	0.07857	-0.05114	0.27004	-0.09889	0.03264	-0.03886
-0.00075	0.98718	0.006606	0.88677	0.092541	0.04563	0.063369	0.17159	0.18972
-0.04097	0.37704	-0.16972	0.00023	-0.01187	0.79805	-0.1166	0.01168	-0.06442
0.063855	0.16832	0.139583	0.0025	0.079214	0.08728	0.059612	0.19847	0.033641
0.093156	0.04421	0.035681	0.44175	-0.13493	0.00348	0.012337	0.79031	-0.07308
0.062619	0.17672	0.20342	9.40E-06	0.093915	0.0425	0.129875	0.00494	0.120468
0.005307	0.90894	0.139883	0.00245	0.0004	0.99313	0.067856	0.14316	0.004106
-0.04778	0.30287	-0.09631	0.03747	-0.04687	0.31216	-0.0707	0.12707	-0.17899
0.140663	0.00231	0.227886	6.45E-07	0.293224	1.03E-10	0.410821	1.93E-20	0.192361
0.180919	8.43E-05	0.06826	0.14079	-0.06979	0.13206	0.01519	0.74337	-0.02794

-0.01697	0.71452	0.113676	0.01397	-0.09023	0.05133	-0.05259	0.25672	-0.02864
0.044657	0.33557	-0.13962	0.00249	0.081454	0.07867	-0.06993	0.13129	-0.0341
0.102006	0.02751	-0.07264	0.11696	-0.00796	0.86386	0.025637	0.58053	-0.06086
0.28369	4.30E-10	0.252873	3.02E-08	0.28174	5.71E-10	0.353962	3.14E-15	0.210284
0.07774	0.09335	0.177695	0.00011	-0.03766	0.41686	0.058459	0.2073	-0.04845
-0.13888	0.00263	-0.01244	0.78856	0.052971	0.25327	0.157581	0.00063	0.020986
-0.00833	0.85756	-0.02377	0.60836	0.060902	0.18892	0.057982	0.21104	0.101719
0.066381	0.15208	0.082665	0.07432	-0.03371	0.46739	-0.01585	0.73269	0.025425
0.154725	0.00079	-0.06031	0.19323	-0.09815	0.03397	-0.02187	0.63738	-0.17464
0.013616	0.76916	0.097282	0.03558	0.077693	0.09354	0.032406	0.48479	0.13129
0.167104	0.00029	-0.13662	0.00309	0.073383	0.11326	-0.01114	0.81028	-0.0485
0.02634	0.57018	-0.05157	0.26603	-0.19216	2.91E-05	-0.25544	2.16E-08	-0.11087
0.013827	0.76569	0.092837	0.04494	0.035743	0.44095	0.190051	3.57E-05	0.081304
0.045104	0.33076	0.057827	0.21227	-0.0122	0.79264	0.074986	0.10558	0.026861
0.05997	0.19578	0.020728	0.65503	0.041644	0.36923	0.00947	0.83828	0.10686
-0.00959	0.83622	-0.14207	0.00209	-0.00763	0.86934	-0.02199	0.63553	-0.09987
-0.00224	0.96143	0.102279	0.0271	0.102309	0.02705	0.134923	0.00349	0.17035
-0.13919	0.00257	-0.16716	0.00029	-0.03823	0.40976	0.020722	0.65512	-0.06919
-0.04995	0.28141	0.020574	0.65742	-0.05419	0.24252	-0.0754	0.10367	0.001429
-0.03891	0.40146	-0.13825	0.00275	-0.00847	0.85513	-0.0415	0.37091	-0.0748
-0.08512	0.06607	-0.01983	0.66911	0.132534	0.00412	0.142304	0.00205	0.152011
-0.08756	0.05866	-0.20003	1.33E-05	-0.23316	3.48E-07	-0.20355	9.27E-06	-0.27297
0.158344	0.00059	0.151739	0.001	0.214675	2.85E-06	0.134326	0.00363	0.233479
-0.05702	0.21876	-0.00545	0.90654	-0.14349	0.00188	-0.1251	0.00679	-0.03698
0.193302	2.60E-05	0.215499	2.60E-06	0.139358	0.00254	0.060901	0.18892	0.266741
0.099684	0.03126	0.078753	0.08914	0.050327	0.27777	0.038128	0.41105	0.012078
0.283808	4.22E-10	0.079472	0.08625	-0.02264	0.62557	0.006101	0.89538	-0.04587
0.016865	0.71622	0.006443	0.88955	-0.05743	0.21542	-0.02799	0.54621	-0.00754
0.108175	0.01937	0.136468	0.00313	-0.06328	0.17221	-0.09086	0.04973	0.099285
-0.02043	0.65973	0.010178	0.82636	0.026747	0.56423	0.108934	0.01853	-0.05243
0.073126	0.11453	0.149937	0.00115	0.002793	0.95199	0.049819	0.28265	0.080921
0.090212	0.05138	-0.00221	0.96201	-0.04299	0.35399	-0.02052	0.65825	-0.0353
0.052083	0.26132	-0.11507	0.01283	-0.03881	0.40269	-0.20379	9.04E-06	0.079831
0.094005	0.0423	-0.08935	0.05366	0.000206	0.99645	0.014795	0.74981	-0.0248
-0.11697	0.01141	-0.01388	0.76477	0.043408	0.34929	0.088901	0.05488	0.080758
-0.02815	0.54396	0.017128	0.71201	-0.03405	0.46291	-0.0241	0.60341	0.038641
-0.04019	0.38617	-0.0171	0.71244	-0.015	0.74644	0.072448	0.11794	0.01671
0.271099	2.61E-09	0.347466	1.07E-14	0.26839	3.80E-09	0.356722	1.85E-15	0.235045
0.059522	0.19915	0.11429	0.01346	0.082486	0.07495	0.182073	7.58E-05	0.120074
-0.01562	0.73643	-0.14972	0.00117	-0.02236	0.6298	-0.01614	0.72788	-0.14022
0.075107	0.10501	0.032428	0.4845	0.086819	0.06083	0.098123	0.03401	0.068634
-0.18031	8.92E-05	-0.06523	0.15929	-0.20765	6.05E-06	-0.13649	0.00312	-0.22591
-0.0613	0.18603	0.020644	0.65634	-0.08193	0.07694	-0.06168	0.18333	-0.05413
-0.00162	0.97218	0.043499	0.34827	0.068214	0.14105	0.040314	0.38473	0.064071
0.162842	0.00041	0.115621	0.01241	0.305453	1.53E-11	0.233329	3.41E-07	0.240138

0.182571	7.24E-05	0.131027	0.00457	0.29907	4.19E-11	0.140483	0.00234	0.277596
-0.04624	0.31867	0.055355	0.2325	0.02168	0.64028	0.066556	0.15099	0.027501
0.030091	0.51655	-0.04379	0.345	-0.26298	7.94E-09	-0.15907	0.00056	-0.21123
-0.08687	0.06068	-0.07126	0.12408	-0.07577	0.10198	-0.04443	0.33806	-0.0433
-0.20864	5.45E-06	-0.36131	7.57E-16	-0.20679	6.62E-06	-0.30322	2.18E-11	-0.1999
0.035414	0.44517	0.172281	0.00018	-0.0345	0.45705	0.050368	0.27737	0.016353
0.029272	0.52803	-0.00159	0.97267	-0.01323	0.77551	-0.06921	0.13534	-0.03836
0.040886	0.37802	0.080808	0.08108	0.092169	0.04652	0.04668	0.31412	0.157017
0.16518	0.00034	0.014075	0.76161	0.06351	0.17064	0.012223	0.79221	0.10619
0.03287	0.47856	-0.03296	0.4773	-0.02657	0.56683	-0.12054	0.00912	0.078087
0.137467	0.00291	0.003064	0.94735	0.026679	0.56522	0.002816	0.9516	0.089996
0.104279	0.02422	-0.01335	0.77362	0.169762	0.00023	0.076121	0.10039	0.08767
-0.05559	0.23054	-0.03134	0.49931	-0.05053	0.2758	-0.04932	0.28751	-0.03978
-0.08488	0.06684	-0.0505	0.27608	-0.07707	0.09622	-0.04693	0.31152	-0.05074
0.106351	0.02153	0.12947	0.00508	0.071258	0.12412	0.0731	0.11466	0.092759
0.046022	0.321	-0.02495	0.59076	-0.0091	0.84455	-0.02691	0.56181	-0.02399
0.1046	0.02379	0.145506	0.00162	-0.05619	0.22549	0.09445	0.04133	-0.05455
-0.05679	0.2206	-0.0152	0.74316	-0.05004	0.28055	-0.02646	0.56836	-0.04117
0.049084	0.28983	0.00547	0.90615	-0.01974	0.67046	0.013234	0.77546	0.02259
-0.04785	0.30212	-0.09116	0.04897	-0.02944	0.5256	-0.08699	0.06033	-0.01607
0.015675	0.73547	0.015275	0.74197	-0.0242	0.60192	-0.02883	0.53427	-0.00377
-0.11418	0.01355	-0.16195	0.00044	-0.01349	0.77129	-0.08962	0.05293	-0.05148
0.12017	0.00934	0.072279	0.1188	0.006398	0.89032	-0.04001	0.38834	0.043421
0.140733	0.0023	0.073502	0.11268	0.037101	0.42378	0.041349	0.37263	0.086593
0.033555	0.46944	0.125379	0.00667	-0.0177	0.7028	-0.055	0.2355	0.04453
0.173641	0.00016	0.089158	0.05418	0.164968	0.00034	0.14426	0.00178	0.034713
0.061129	0.18727	0.079962	0.08432	-0.04008	0.38746	-0.07012	0.13023	0.054053
-0.06926	0.13503	-0.05895	0.2035	-0.12646	0.00621	-0.15086	0.00107	-0.12542
-0.06231	0.17884	-0.12989	0.00493	-0.13042	0.00476	-0.08584	0.06382	-0.11578
-0.00104	0.98213	0.047652	0.30415	-0.24247	1.13E-07	-0.16715	0.00029	-0.15121
0.150232	0.00113	0.042739	0.35676	-0.07093	0.12588	-0.07165	0.12204	0.072927
0.080549	0.08206	0.073646	0.11197	-0.12095	0.00888	-0.14327	0.00191	0.044303
0.125133	0.00678	0.045627	0.32517	0.146506	0.0015	0.097276	0.0356	0.193844
-0.03444	0.45777	-0.07736	0.09496	-0.05688	0.21985	-0.04207	0.36435	-0.16069
-0.12667	0.00612	-0.00571	0.90203	-0.09354	0.04334	0.023617	0.6107	-0.06215
-0.12212	0.00824	-0.08073	0.08137	-0.1435	0.00188	-0.13706	0.003	-0.10545
0.023102	0.61851	-0.03534	0.44606	-0.01943	0.67529	-0.02552	0.58224	-0.00979
0.089739	0.05262	-0.13168	0.00437	0.036396	0.43264	-0.12477	0.00694	-0.01424
-0.0592	0.20163	-0.02541	0.58395	-0.06071	0.19034	-0.09309	0.04436	0.008027
-0.00501	0.914	-0.14132	0.0022	-0.1428	0.00198	-0.19686	1.83E-05	-0.07796
0.049837	0.28248	-0.03083	0.50625	0.027386	0.55496	0.008661	0.85191	-0.02135
0.213961	3.08E-06	-0.18646	5.03E-05	-0.14651	0.0015	-0.16608	0.00031	-0.20126
-0.05344	0.24912	-0.01203	0.79545	-0.04317	0.35199	-0.06882	0.13756	0.049562
0.041218	0.37416	0.115035	0.01286	0.029904	0.51916	0.021012	0.65061	0.033057
-0.06203	0.18082	0.076062	0.10065	-0.07476	0.10665	0.061301	0.18603	-0.05356

-0.12283	0.00788	0.004524	0.92232	-0.0416	0.36976	0.095624	0.03886	-0.16326
0.22157	1.33E-06	0.395659	5.96E-19	0.238647	1.80E-07	0.259883	1.20E-08	0.324041
0.209613	4.91E-06	0.16638	0.0003	0.284008	4.10E-10	0.216126	2.43E-06	0.277667
-0.06849	0.13947	-0.16733	0.00028	-0.12786	0.00566	-0.15733	0.00064	-0.18646
0.098953	0.03252	-0.06223	0.17946	0.068057	0.14197	0.113591	0.01405	-0.02045
0.099861	0.03096	-0.04711	0.30967	0.008272	0.8585	0.029857	0.51981	-0.03387
0.026213	0.57204	0.005947	0.89802	-0.14489	0.00169	-0.11671	0.0116	-0.11115
-0.21733	2.13E-06	-0.1666	0.0003	-0.17909	9.97E-05	-0.19758	1.70E-05	-0.09396
-0.00275	0.95265	0.153791	0.00085	0.139225	0.00257	0.210099	4.66E-06	0.088242
0.215234	2.68E-06	0.29688	5.89E-11	0.361742	6.95E-16	0.363732	4.70E-16	0.158628
0.07263	0.11702	0.088452	0.05612	0.020878	0.6527	-0.03167	0.49471	0.147887
0.170879	0.00021	-0.02912	0.53024	0.178871	0.0001	0.138957	0.00262	0.025627
0.073608	0.11215	0.129219	0.00516	0.13527	0.0034	0.061926	0.18157	0.137031
0.013971	0.76333	0.108953	0.01851	-0.08888	0.05493	-0.04657	0.3153	-0.05514
0.036598	0.43009	0.038107	0.4113	0.075562	0.10292	-0.0131	0.77765	0.165254
-0.00776	0.86715	0.030715	0.50788	0.125362	0.00668	0.120742	0.00901	0.070903
0.06389	0.16809	-0.06603	0.15423	-0.11593	0.01218	-0.15484	0.00079	-0.0612
0.042712	0.35707	-0.16503	0.00034	0.106435	0.02142	-0.06734	0.14624	0.041775
0.008339	0.85737	-0.04035	0.38425	-0.19323	2.62E-05	-0.16333	0.00039	0.024863
-0.14169	0.00215	0.041288	0.37334	0.014207	0.75944	0.087061	0.06012	-0.00451
0.004365	0.92505	-0.09832	0.03365	-0.24462	8.62E-08	-0.10968	0.01774	-0.2889
0.049452	0.28622	0.058427	0.20756	0.135405	0.00337	0.09993	0.03084	0.190877
-0.0605	0.19189	-0.01483	0.7493	-0.0185	0.69005	-0.01148	0.80451	0.019926
-0.17117	0.0002	-0.08427	0.06883	-0.05716	0.21761	-0.08407	0.0695	-0.09477
-0.17452	0.00015	-0.1691	0.00024	0.031595	0.4958	0.019199	0.67901	0.042809
0.021509	0.64291	-0.05535	0.23252	0.006362	0.89094	-0.10144	0.02838	0.008471
-0.09222	0.0464	-0.29173	1.29E-10	-0.14013	0.0024	-0.25782	1.58E-08	-0.13402
-0.1712	0.0002	-0.33509	1.02E-13	-0.14167	0.00215	-0.25779	1.59E-08	-0.05231
0.06529	0.15894	0.020529	0.65813	0.040624	0.38109	-0.01454	0.75404	-0.03426
0.006938	0.88113	-0.09214	0.04659	-0.03787	0.41417	-0.07182	0.12119	-0.04717
0.096536	0.03703	0.205721	7.40E-06	0.255484	2.15E-08	0.307092	1.18E-11	0.187111
0.11653	0.01173	0.201643	1.13E-05	0.174135	0.00016	0.112957	0.01459	0.272006
0.000881	0.98484	0.08303	0.07304	-0.0554	0.23214	-0.03058	0.50977	0.039392
0.238968	1.73E-07	0.238277	1.88E-07	0.161577	0.00046	0.099485	0.0316	0.193152
-0.12765	0.00574	-0.01128	0.80787	-0.04924	0.28832	-0.0641	0.16666	0.109384
0.111264	0.01615	-0.01844	0.69107	0.179868	9.29E-05	0.007063	0.87901	0.234827
-0.12692	0.00602	0.052391	0.25851	0.011977	0.79629	0.038545	0.40595	0.004134
-0.0841	0.06941	0.030327	0.51327	0.096268	0.03756	0.11592	0.01218	0.083351
0.4052	7.01E-20	0.173347	0.00017	-0.09416	0.04196	0.058149	0.20973	-0.05308
-0.01924	0.67835	-0.00056	0.99035	-0.09995	0.03081	-0.09301	0.04454	-0.01231
0.051451	0.26716	-0.18699	4.78E-05	-0.15312	0.0009	-0.28204	5.47E-10	-0.17595
0.245437	7.78E-08	0.232111	3.94E-07	0.278369	9.31E-10	0.210076	4.68E-06	0.20835
-0.19893	1.49E-05	-0.16826	0.00026	-0.17976	9.38E-05	-0.04688	0.312	-0.17187
0.197453	1.72E-05	0.183944	6.37E-05	0.089595	0.05301	0.151963	0.00099	0.045298
-0.04321	0.35144	-0.0174	0.70758	0.101489	0.02831	0.091351	0.0485	0.044652

-0.14955	0.00119	0.007673	0.86864	-0.11624	0.01195	-0.06177	0.18271	-0.11926
-0.00245	0.95791	0.089915	0.05216	0.078839	0.08879	0.040339	0.38443	0.201405
0.229761	5.19E-07	-0.03933	0.39642	0.045134	0.33044	-0.11492	0.01295	0.025268
0.333914	1.26E-13	0.181023	8.35E-05	0.282128	5.40E-10	0.188548	4.12E-05	0.200958
-0.03724	0.42204	-0.25483	2.34E-08	-0.12299	0.00779	-0.17256	0.00018	-0.08706
-0.1014	0.02845	0.076029	0.1008	-0.11423	0.01351	-0.03508	0.44949	-0.22
0.123833	0.00738	0.097028	0.03607	0.271461	2.48E-09	0.128716	0.00534	0.142242
0.063643	0.16974	-0.1342	0.00367	-0.07292	0.11556	-0.13224	0.0042	-0.05457
0.184415	6.10E-05	0.056846	0.22015	0.183521	6.63E-05	0.049692	0.28388	0.110598
0.063952	0.16767	0.076014	0.10087	0.132989	0.00399	0.155967	0.00072	0.095027
0.032294	0.48631	-0.02216	0.63295	-0.0533	0.25032	-0.00326	0.94393	-0.03265
0.035185	0.44812	-0.06777	0.14369	0.010268	0.82486	-0.06107	0.1877	0.100506
-0.04513	0.3305	-0.03834	0.40848	-0.02434	0.59975	-0.0105	0.82088	-0.00613
0.199123	1.46E-05	0.27327	1.92E-09	0.13975	0.00247	0.18659	4.97E-05	0.213505
0.065547	0.1573	0.321246	1.14E-12	0.186014	5.25E-05	0.306452	1.30E-11	0.063165
0.057942	0.21136	0.029149	0.52977	0.027566	0.55236	0.093965	0.04239	-0.00616
0.079143	0.08757	-0.03439	0.45841	0.078585	0.08983	0.050546	0.27568	-0.07154
0.049614	0.28465	-0.04082	0.37875	6.12E-05	0.99895	-0.0477	0.30369	0.047684
-0.09857	0.03321	-0.27613	1.28E-09	-0.24325	1.02E-07	-0.29608	6.66E-11	-0.1845
0.047705	0.30361	0.047878	0.30185	0.067596	0.1447	0.032253	0.48687	0.114438
-0.09937	0.03179	-0.13918	0.00258	0.041595	0.36979	0.095315	0.0395	0.02482
0.035524	0.44375	-0.30159	2.82E-11	-0.02039	0.66023	-0.08331	0.07206	-0.08867
0.045903	0.32225	0.089334	0.05371	0.09327	0.04395	0.063065	0.17365	0.204773
0.034683	0.45462	-0.04283	0.35579	0.109603	0.01782	0.047066	0.31014	0.063019
-0.11209	0.01538	-0.09726	0.03562	-0.15876	0.00057	-0.09078	0.04993	-0.13066
-0.05893	0.20368	-0.11851	0.01037	-0.13404	0.00371	-0.14053	0.00234	-0.19124
-0.06144	0.18501	0.067674	0.14423	-0.10066	0.02963	-0.05247	0.25775	-0.01947
-0.01333	0.77381	-0.04086	0.37827	0.033577	0.46915	-0.05063	0.27485	0.063675
0.034485	0.4572	-0.03068	0.50832	0.058558	0.20654	0.020597	0.65707	0.095921
-0.00221	0.96202	0.013829	0.76566	-0.0815	0.07849	-0.17219	0.00018	-0.0125
0.216833	2.25E-06	0.116154	0.01201	0.232729	3.66E-07	0.216159	2.42E-06	0.246331
0.071761	0.12148	0.048328	0.29733	-0.0771	0.09609	-0.05528	0.2331	0.009616
-0.0005	0.99132	0.092383	0.04601	-0.17262	0.00018	-0.05372	0.24659	-0.07696
0.05231	0.25924	0.147438	0.0014	0.085942	0.0635	0.020094	0.66494	0.118588
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-0.08182	0.07733	0.018659	0.68755	0.028781	0.53498	-0.02857	0.53803	0.057478
0.079162	0.08749	0.019245	0.67827	0.009345	0.84038	-0.05066	0.27463	0.074056
-0.0707	0.12712	0.028754	0.53537	-0.06337	0.17157	0.039888	0.38978	-0.0815
0.06329	0.17212	0.162222	0.00043	0.169862	0.00023	0.228606	5.94E-07	0.141337
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0.142276	0.00206	0.155688	0.00074	0.211572	3.99E-06	0.235967	2.49E-07	0.23817
0.064204	0.166	0.142945	0.00196	0.123072	0.00775	0.086799	0.06089	0.062836
0.265586	5.58E-09	0.282852	4.86E-10	0.291014	1.44E-10	0.339749	4.42E-14	0.19789
0.218847	1.80E-06	0.116511	0.01175	0.241334	1.30E-07	0.314352	3.60E-12	0.146345
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0.06609	0.15388	0.133014	0.00398	0.139987	0.00243	0.07501	0.10546	0.154401
0.051755	0.26434	0.023072	0.61896	-0.07209	0.11977	-0.08098	0.08044	-0.00779
0.063343	0.17176	-0.13734	0.00294	0.127471	0.00581	0.02865	0.53684	0.029414
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0.148891	0.00125	0.087816	0.05792	0.106347	0.02153	-0.00137	0.97653	0.095849
0.201177	1.18E-05	0.025617	0.58081	0.207087	6.42E-06	0.050398	0.27709	0.246168
0.222112	1.25E-06	0.28175	5.71E-10	0.354555	2.80E-15	0.341838	3.02E-14	0.235267
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0.04516	0.33015	0.093873	0.0426	-0.014	0.76278	-1.09E-05	0.99981	-0.08401
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0.00026	0.99553	0.170063	0.00022	-0.03074	0.50752	5.50E-05	0.99905	0.072083
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0.009248	0.84202	-0.04274	0.35671	0.003333	0.94273	-0.04909	0.28978	-0.01371
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0.020146	0.66412	0.050357	0.27748	0.023498	0.6125	0.01634	0.72469	-0.00308
0.236132	2.44E-07	-0.02593	0.57622	0.09744	0.03529	0.012781	0.78295	0.070284
0.125478	0.00663	0.073886	0.1108	0.123505	0.00754	-0.00053	0.99094	0.054035
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0.182553	7.25E-05	-0.13339	0.00388	0.037179	0.4228	-0.14187	0.00212	-0.06861
0.238305	1.88E-07	-0.04538	0.32784	-0.00248	0.95732	-0.03901	0.40031	-0.02619
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0.166776	0.00029	0.135663	0.00331	0.069868	0.13164	0.07551	0.10316	0.099302
0.024446	0.59823	-0.02331	0.61532	-0.04019	0.38615	-0.03178	0.4933	0.025941
0.048634	0.29427	0.133515	0.00385	-0.04616	0.31955	0.061185	0.18687	0.01474
0.075693	0.10232	0.056694	0.22138	0.033131	0.47508	-0.01162	0.80226	0.047929
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0.204353	8.53E-06	0.018338	0.69266	-0.04302	0.35365	-0.04914	0.28926	0.002557
0.180909	8.44E-05	0.099264	0.03198	-0.04766	0.30407	-0.00279	0.95197	0.064283
0.077239	0.09548	0.002912	0.94995	0.040094	0.38733	0.041642	0.36926	0.092613
0.089001	0.05461	-0.00751	0.87149	0.045942	0.32184	0.016912	0.71547	0.012498
0.067865	0.1431	0.019551	0.67345	0.077673	0.09363	0.047771	0.30293	0.036078
0.177835	0.00011	0.022575	0.62653	-0.0125	0.78754	-0.0142	0.75962	-0.01438
0.201632	1.13E-05	0.348133	9.43E-15	0.033021	0.47655	0.23024	4.91E-07	0.068255
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0.044627	0.3359	-0.00673	0.88459	-0.19845	1.56E-05	-0.13422	0.00366	-0.15415
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0.032136	0.48845	-0.12142	0.00863	-0.01662	0.72025	-0.01328	0.77475	-0.17505
0.227131	7.04E-07	0.074083	0.10985	0.085149	0.06599	0.119481	0.00976	0.083534
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0.048509	0.29551	0.080605	0.08185	0.016658	0.71956	-0.0523	0.25937	0.129743
-0.20771	6.01E-06	-0.45684	1.86E-25	-0.25407	2.59E-08	-0.32035	1.32E-12	-0.27636
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0.222359	1.21E-06	0.037277	0.42158	0.155447	0.00075	0.040583	0.38156	0.094516
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0.038175	0.41047	-0.00756	0.87057	-0.04726	0.30816	-0.06304	0.1738	0.051977
0.154637	0.0008	-0.0018	0.96908	-0.01355	0.77028	-0.11241	0.01508	0.091564
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0.002901	0.95014	0.02997	0.51824	-0.01272	0.78396	-0.03195	0.49098	0.060426
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0.082255	0.07577	-0.05483	0.23699	0.131822	0.00432	0.018196	0.69491	-0.00694
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0.044533	0.33693	-0.12343	0.00757	0.038635	0.40486	-0.06528	0.15901	-0.00337
0.073187	0.11423	0.028216	0.54303	0.101819	0.0278	0.102674	0.02651	0.033509
0.035939	0.43844	0.072045	0.12001	-0.04699	0.31095	0.043465	0.34865	-0.06446
0.255472	2.15E-08	0.078137	0.09168	0.153943	0.00084	0.036994	0.42512	0.025397
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0.067767	0.14368	0.016546	0.72137	0.121442	0.00861	0.08707	0.06009	0.136685
0.094122	0.04205	0.050818	0.2731	0.130159	0.00484	0.059391	0.20014	0.150833
0.172308	0.00018	0.251235	3.73E-08	0.061711	0.1831	0.140755	0.0023	0.144173
0.136056	0.00322	0.149634	0.00118	0.21815	1.94E-06	0.159601	0.00054	0.287292
0.029148	0.52978	-0.06757	0.14488	-0.13742	0.00292	-0.10204	0.02747	-0.13923
0.000357	0.99386	-0.00236	0.95944	-0.04433	0.33911	-0.01077	0.81639	-0.042
0.037213	0.42237	0.150949	0.00107	0.053372	0.24969	0.131956	0.00428	0.029691
0.136655	0.00309	0.189954	3.60E-05	0.048431	0.29629	0.096085	0.03793	0.074321
0.035025	0.45019	0.012277	0.79131	0.010833	0.81538	-0.02978	0.5209	0.031838
0.095286	0.03956	0.195255	2.15E-05	0.129283	0.00514	0.150447	0.00111	0.109634
0.178329	0.00011	0.22616	7.88E-07	0.185452	5.53E-05	0.205745	7.38E-06	0.133456
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0.07562	0.10266	0.118704	0.01025	0.015981	0.7305	-0.00573	0.90164	0.1291
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0.153874	0.00085	0.213553	3.22E-06	0.037347	0.42071	0.162124	0.00044	-0.05687
-0.05437	0.24097	-0.01677	0.71768	-0.17654	0.00013	-0.00074	0.98734	-0.27813
0.069249	0.1351	0.054152	0.24282	0.017166	0.71138	0.059509	0.19925	0.001734
0.034453	0.45763	0.167121	0.00029	0.064693	0.16279	0.032158	0.48815	0.131379
0.177333	0.00012	0.105424	0.0227	0.132798	0.00404	0.136722	0.00307	0.035018
0.117787	0.01085	0.243938	9.38E-08	0.182369	7.38E-05	0.198788	1.51E-05	0.118962
0.20358	9.24E-06	0.051694	0.2649	0.100493	0.0299	0.071994	0.12027	0.04061
0.154571	0.0008	0.102958	0.02609	0.12231	0.00814	0.243953	9.37E-08	0.058224
0.230999	4.49E-07	0.099786	0.03108	0.309592	7.85E-12	0.179289	9.79E-05	0.236773
-0.02241	0.62903	0.012151	0.79341	-0.11512	0.01279	-0.08138	0.07893	-0.05723

0.113694	0.01396	0.046594	0.31502	0.094266	0.04173	-0.00686	0.88241	0.151871
0.042396	0.36064	0.046025	0.32097	0.112945	0.0146	0.018743	0.68622	0.150717
0.057261	0.21679	0.004221	0.92751	0.088255	0.05667	0.060505	0.19182	0.124429
0.143089	0.00194	0.179409	9.68E-05	0.09168	0.04769	0.117144	0.01129	0.130131
0.117511	0.01104	0.096458	0.03718	0.081929	0.07694	0.017591	0.70457	0.170702
-0.16031	0.00051	-0.14276	0.00198	-0.14851	0.00129	-0.15168	0.00101	-0.14283
-0.10859	0.01891	-0.12444	0.0071	-0.12192	0.00835	-0.1056	0.02247	-0.02024
0.007017	0.8798	0.116392	0.01183	0.008634	0.85237	0.010237	0.82538	0.078699
-0.00631	0.89182	0.055229	0.23357	-0.13373	0.00379	-0.04899	0.29074	-0.04788
-0.11913	0.00997	-0.09417	0.04195	-0.14275	0.00199	-0.14841	0.0013	-0.13775
-0.08512	0.06607	-0.08574	0.06413	-0.1739	0.00016	-0.14845	0.00129	-0.13857
0.127767	0.00569	-0.12658	0.00616	-0.01495	0.74726	-0.15589	0.00072	0.070667
0.213357	3.29E-06	-0.03834	0.4085	0.238871	1.75E-07	0.071391	0.12341	0.207091
-0.0184	0.6917	-0.13065	0.00468	0.034215	0.46074	0.047291	0.30783	-0.03767
-0.01413	0.76069	0.028663	0.53666	0.169084	0.00024	0.123124	0.00773	0.207502
-0.09543	0.03926	0.060625	0.19093	-0.10431	0.02418	0.023181	0.61731	-0.05266
-0.05189	0.26307	0.131507	0.00442	-0.1846	5.99E-05	0.061868	0.18198	-0.10064
0.147005	0.00144	0.048832	0.29231	0.045649	0.32495	0.024835	0.59242	0.044309
-0.11027	0.01713	-0.23224	3.88E-07	0.04095	0.37727	0.064568	0.1636	-0.10639
0.225378	8.62E-07	-0.07547	0.10333	-0.02354	0.6118	0.011117	0.81063	-0.07171
0.176299	0.00013	0.002026	0.96517	0.091993	0.04694	0.011813	0.79903	0.045965
-0.03337	0.47189	0.084695	0.06745	0.004868	0.91644	0.101635	0.02808	0.060375
0.031687	0.49454	0.05126	0.26895	0.136568	0.0031	0.051278	0.26878	0.144428
0.000337	0.99421	0.044127	0.34135	0.040631	0.381	0.039856	0.39016	-0.01292
-0.05649	0.22309	-0.20294	9.88E-06	-0.0406	0.38141	-0.15817	0.0006	-0.08502
0.010921	0.81391	-0.07777	0.0932	-0.00582	0.90024	-0.07563	0.10262	-0.01726
0.040409	0.38361	-0.08533	0.06541	0.001974	0.96607	-0.00947	0.83834	-0.01883
-0.00935	0.84036	0.004839	0.91693	0.04908	0.28986	0.03979	0.39094	0.051355
-0.20471	8.22E-06	-0.40615	5.65E-20	-0.23331	3.41E-07	-0.24085	1.37E-07	-0.21062
0.120423	0.00919	-0.03258	0.48246	-0.08475	0.06727	-0.13013	0.00485	-0.01179
0.076724	0.09772	-0.02506	0.58903	0.034272	0.45999	-0.02041	0.65995	0.039516
0.059218	0.20146	-0.02411	0.6032	0.012573	0.7864	-0.01002	0.82894	0.002856
0.004595	0.9211	-0.01368	0.76811	-0.04916	0.28911	0.019142	0.6799	-0.01716
-0.00756	0.87059	-0.13213	0.00423	0.023238	0.61645	-0.09271	0.04523	0.011817
0.054074	0.2435	0.051034	0.27106	0.055862	0.22824	0.04232	0.36151	0.005345
0.062775	0.17565	0.024156	0.60258	0.066346	0.15229	0.073888	0.1108	0.01625
0.036393	0.43268	0.015872	0.73227	0.050753	0.27371	0.019822	0.66919	0.029038
-0.00697	0.88061	0.037682	0.41654	0.019746	0.6704	0.013268	0.77491	0.039395
0.089618	0.05294	0.056241	0.2251	0.100774	0.02945	0.029689	0.52217	0.061843
0.020852	0.65311	0.005913	0.8986	0.023779	0.60826	-0.0101	0.82766	0.037687
-0.10386	0.0248	0.009462	0.83841	-0.15904	0.00056	0.001185	0.97962	-0.13958
0.064103	0.16667	-0.01045	0.82179	0.102649	0.02654	0.081452	0.07868	0.070905
-0.07521	0.10452	0.057194	0.21733	-0.0716	0.1223	0.068085	0.14181	0.000416
-0.07141	0.12334	0.135067	0.00345	0.005125	0.91204	0.105675	0.02238	0.061196
0.102064	0.02742	0.094603	0.041	0.03049	0.511	0.063759	0.16896	0.040037

0.126655	0.00613	0.170909	0.00021	0.116789	0.01155	0.128128	0.00556	0.066485
0.141032	0.00225	0.167529	0.00028	-0.06317	0.17295	0.049399	0.28673	-0.01919
-0.07399	0.11029	-0.01032	0.82406	0.039465	0.39482	0.100903	0.02924	-0.00881
0.029305	0.52756	0.274074	1.72E-09	-0.06514	0.15989	0.131197	0.00451	-0.0963
0.089454	0.05338	0.021381	0.6449	0.160006	0.00052	0.067276	0.14661	0.164794
0.162296	0.00043	0.019004	0.68208	-0.04849	0.29574	-0.05994	0.19602	-0.00689
-0.01507	0.74537	0.05288	0.25408	-0.05216	0.26066	-0.0152	0.7432	-0.08619
0.058478	0.20716	0.082965	0.07326	0.055489	0.23137	0.007499	0.87161	0.078769
0.11074	0.01666	0.153047	0.00091	0.17838	0.00011	0.116969	0.01142	0.199463
0.129943	0.00492	0.387919	3.21E-18	0.08511	0.06611	0.199315	1.43E-05	0.125937
-0.07122	0.12432	-0.04242	0.36032	-0.0362	0.43516	-0.02122	0.64742	-0.04136
0.130628	0.00469	0.155189	0.00077	0.05106	0.27082	0.190738	3.34E-05	0.009598
-0.09474	0.04072	-0.15661	0.00068	-0.12775	0.0057	-0.11275	0.01478	-0.11804
0.138558	0.00269	0.248713	5.15E-08	0.054254	0.24194	0.101762	0.02788	0.112699
0.001604	0.97242	0.018273	0.69368	0.054885	0.2365	0.014089	0.76139	0.058829
0.00838	0.85667	0.088183	0.05688	0.016694	0.71898	0.009842	0.83201	-0.00029
0.019832	0.66905	0.054194	0.24246	-0.07156	0.12254	-0.02747	0.55381	-0.06288
0.327086	4.17E-13	0.291844	1.27E-10	0.287577	2.42E-10	0.225971	8.05E-07	0.287665
0.019534	0.67373	0.070389	0.12878	0.072742	0.11645	0.113186	0.01439	0.015845
0.138062	0.00279	0.099136	0.0322	0.093024	0.04451	0.020073	0.66526	0.078299
0.090156	0.05153	0.040573	0.38168	0.054283	0.24168	0.058726	0.20523	0.021489
0.048754	0.29308	0.157981	0.00061	0.04948	0.28594	0.09698	0.03616	0.110359
0.095331	0.03947	0.072576	0.11729	0.096311	0.03747	0.074278	0.10892	0.072579
0.063431	0.17117	0.24671	6.63E-08	0.132772	0.00405	0.136199	0.00319	0.071374
-0.01294	0.78033	0.043055	0.35322	0.009044	0.84545	0.036257	0.43441	0.00485
0.132883	0.00402	0.394537	7.63E-19	0.084771	0.06721	0.215911	2.49E-06	0.037654
0.031359	0.49903	-0.06802	0.14221	0.072744	0.11644	-0.01273	0.78382	0.109256
0.04236	0.36105	0.046815	0.31272	0.151289	0.00104	0.074092	0.10981	0.078146
0.137497	0.00291	0.066322	0.15244	0.125956	0.00642	0.129558	0.00505	0.077927
-0.04715	0.30928	-0.01785	0.70043	0.008019	0.86279	-0.01037	0.82314	0.048786
-0.20196	1.09E-05	-0.09958	0.03143	-0.13759	0.00289	-0.1032	0.02574	-0.11018
-0.01489	0.74826	0.036521	0.43106	0.021139	0.64865	0.046155	0.3196	-0.0037
0.127126	0.00594	-0.00718	0.87704	0.095934	0.03823	0.08323	0.07235	0.042702
0.119673	0.00964	0.362572	5.91E-16	0.210567	4.44E-06	0.273957	1.74E-09	0.190701
-0.09834	0.03362	-0.11257	0.01494	-0.28477	3.66E-10	-0.09615	0.0378	-0.22483
0.042287	0.36188	-0.03749	0.41891	0.130573	0.00471	0.030895	0.5054	0.146325
0.005301	0.90903	0.027975	0.54648	0.043779	0.34518	0.022793	0.62321	0.114622
0.126058	0.00638	0.027904	0.5475	0.233963	3.16E-07	0.164716	0.00035	0.143849
0.090409	0.05088	0.206382	6.91E-06	0.16324	0.0004	0.183395	6.71E-05	0.130887
0.268369	3.81E-09	0.143298	0.00191	0.117935	0.01075	0.118727	0.01023	0.108239
0.004198	0.92791	0.220223	1.54E-06	0.072054	0.11996	0.168427	0.00026	0.089289
0.0045	0.92274	0.006544	0.88784	0.066195	0.15323	0.043387	0.34952	0.010009
0.105188	0.023	0.145355	0.00164	0.168168	0.00026	0.1712	0.0002	0.127282
0.024489	0.59759	-0.00305	0.94766	0.128264	0.00551	0.122565	0.00801	0.054848
0.020531	0.65811	-0.04859	0.29476	-0.01272	0.78394	-0.03932	0.39652	0.007553

-0.00172	0.9704	0.106126	0.02181	0.071155	0.12466	0.096469	0.03716	0.012088
0.093602	0.0432	0.096424	0.03725	0.152236	0.00097	0.123556	0.00751	0.15796
0.050238	0.27862	0.044355	0.33886	0.089865	0.05229	0.051387	0.26775	-0.00247
0.02648	0.56813	-0.21987	1.61E-06	0.051935	0.26268	-0.14876	0.00126	-0.01466
0.002954	0.94923	0.043843	0.34447	0.03821	0.41004	0.051923	0.2628	0.02996
0.132421	0.00415	0.152931	0.00091	0.114464	0.01332	0.090096	0.05169	0.122776
0.039562	0.39366	0.059473	0.19952	0.114382	0.01339	0.079647	0.08556	0.139946
-0.17791	0.00011	-0.27394	1.75E-09	-0.1557	0.00073	-0.23205	3.97E-07	-0.10285
0.098101	0.03406	-0.00596	0.8978	0.013141	0.77699	0.009277	0.84152	0.001798
0.07723	0.09552	0.016123	0.72821	0.039423	0.39534	0.043849	0.3444	0.030237
0.259942	1.19E-08	0.116674	0.01163	0.180298	8.93E-05	0.105239	0.02294	0.123839
0.167071	0.00029	0.185438	5.54E-05	0.057484	0.215	0.132377	0.00416	0.012688
0.007934	0.86422	0.05917	0.20182	0.065956	0.15472	0.072985	0.11523	0.046027
0.125399	0.00666	0.288824	2.01E-10	0.093564	0.04328	0.320243	1.35E-12	-0.00153
0.122991	0.00779	0.154563	0.0008	0.028055	0.54534	0.121237	0.00873	-0.03769
0.318738	1.73E-12	0.240028	1.52E-07	0.251221	3.74E-08	0.199176	1.45E-05	0.239524
0.279615	7.78E-10	0.125821	0.00648	0.210834	4.31E-06	0.249167	4.86E-08	0.15706
0.071871	0.1209	-0.00168	0.97119	0.071817	0.12118	0.02314	0.61793	0.04716
0.072015	0.12016	0.092902	0.04479	0.072618	0.11708	0.100585	0.02975	0.055574
0.110747	0.01666	0.110058	0.01735	0.098439	0.03344	0.105709	0.02233	0.071078
0.158052	0.00061	0.125551	0.00659	0.315096	3.18E-12	0.154872	0.00078	0.251199
0.088714	0.0554	0.076266	0.09974	0.102076	0.0274	0.074626	0.10727	0.07055
0.180511	8.76E-05	0.284567	3.78E-10	0.16304	0.0004	0.196449	1.91E-05	0.237672
-0.03433	0.45922	0.043942	0.34338	-0.04111	0.37545	0.066474	0.1515	-0.01038
0.221867	1.28E-06	0.148162	0.00132	0.035391	0.44547	0.052807	0.25475	0.062819
0.042352	0.36114	0.087744	0.05813	0.060869	0.18915	0.074693	0.10695	0.040561
0.034794	0.45319	0.104517	0.0239	0.176737	0.00012	0.161508	0.00046	0.115493
0.210874	4.29E-06	0.151918	0.00099	0.080245	0.08323	0.140702	0.00231	0.044296
0.205554	7.53E-06	0.26763	4.21E-09	0.127353	0.00585	0.106504	0.02134	0.120094
0.089236	0.05397	0.227298	6.91E-07	0.121717	0.00846	0.154051	0.00084	0.063343
-0.08427	0.06884	-0.04217	0.36321	-0.26261	8.35E-09	-0.01786	0.70032	-0.27084
0.016117	0.72831	-0.01371	0.76759	-0.09737	0.03541	0.037211	0.4224	-0.03945
0.07559	0.10279	0.115694	0.01235	0.08707	0.06009	0.101559	0.0282	0.096377
0.125957	0.00642	0.135485	0.00335	0.044912	0.33282	0.068743	0.13799	0.092824
0.046243	0.31868	0.135094	0.00344	-0.10595	0.02203	0.040793	0.3791	-0.07819
0.03179	0.49314	0.033756	0.46678	0.109313	0.01813	0.057177	0.21746	0.126379
-0.00734	0.87429	0.167867	0.00027	-0.09995	0.0308	0.035332	0.44623	0.00756
0.122204	0.0082	0.073386	0.11325	0.142145	0.00208	0.078723	0.08926	0.103963
0.020666	0.65599	0.016011	0.73002	-0.01666	0.71953	-0.00836	0.85704	-0.01505
-0.0273	0.55617	-0.00593	0.89826	0.018314	0.69303	0.056706	0.22128	0.006962
0.066946	0.14861	-0.00203	0.96502	0.076741	0.09764	0.007487	0.87181	0.012676
0.213672	3.18E-06	0.038617	0.40507	0.218564	1.86E-06	0.045731	0.32407	0.143155
-0.01846	0.69065	-0.01685	0.71653	0.007607	0.86978	0.011618	0.80228	-0.0278
0.081595	0.07815	0.221616	1.32E-06	-0.07838	0.09068	-0.03114	0.50206	-0.0268
-0.03864	0.40478	0.091351	0.0485	0.008191	0.85987	0.104933	0.02334	0.019342

-0.04253	0.35908	-0.03531	0.44653	-0.00777	0.86706	-0.01613	0.72802	0.033767
0.019421	0.67551	0.054725	0.23787	0.045987	0.32137	0.051021	0.27118	0.046338
-0.05437	0.24091	-0.12378	0.0074	-0.01442	0.75602	-0.09408	0.04214	0.000464
-0.0816	0.07812	-0.06367	0.16953	-0.09936	0.03182	-0.06195	0.18137	-0.06386
0.251535	3.59E-08	0.342122	2.87E-14	0.149195	0.00122	0.178628	0.0001	0.228216
0.154369	0.00082	0.244509	8.74E-08	0.263185	7.73E-09	0.22915	5.57E-07	0.214614
0.20013	1.32E-05	0.347237	1.11E-14	0.218542	1.86E-06	0.295582	7.19E-11	0.181588
0.100335	0.03016	0.13752	0.0029	0.004358	0.92518	0.156278	0.0007	-0.03383
0.112301	0.01518	0.155296	0.00076	0.068671	0.1384	0.028439	0.53984	0.100627
0.227444	6.79E-07	0.02901	0.53174	0.227395	6.83E-07	0.148264	0.00131	0.158516
0.008213	0.8595	-0.00227	0.96106	-0.05501	0.23542	-0.03917	0.3984	-0.01731
0.197103	1.79E-05	0.151866	0.00099	0.16489	0.00035	0.148994	0.00124	0.171527
-0.05722	0.21708	-0.11991	0.0095	-0.06945	0.13398	-0.01747	0.70658	-0.20686
0.040177	0.38635	-0.06112	0.18734	-0.13034	0.00479	-0.04723	0.30845	-0.09947
0.033867	0.46532	0.13792	0.00282	0.121833	0.0084	0.175182	0.00014	0.083274
-0.01869	0.68705	-0.083	0.07315	-0.0931	0.04435	-0.1104	0.017	-0.02907
0.055416	0.23199	0.289351	1.85E-10	0.032723	0.48053	0.073208	0.11413	0.095471
-0.02046	0.65915	-0.05054	0.27574	-0.14105	0.00225	-0.09147	0.04822	-0.14931
0.00315	0.94587	-0.02577	0.5785	-0.00781	0.86629	-0.01264	0.78525	-0.04473
0.048414	0.29647	0.069145	0.13569	-0.05616	0.22575	-0.08485	0.06696	-0.0285
0.029803	0.52057	0.009428	0.83898	0.150363	0.00112	0.16596	0.00032	0.066866
0.220924	1.43E-06	0.139796	0.00246	0.235215	2.72E-07	0.11618	0.01199	0.236992
0.084059	0.06954	-0.08098	0.08044	-0.06315	0.17309	-0.12076	0.009	-0.1167
0.341407	3.27E-14	0.044652	0.33564	-0.16438	0.00036	0.015815	0.7332	-0.13073
0.191696	3.04E-05	0.406045	5.79E-20	0.254222	2.54E-08	0.409676	2.51E-20	0.107037
0.072078	0.11983	0.080581	0.08194	0.057311	0.21639	0.065634	0.15675	0.023707
-0.12633	0.00626	-0.30559	1.50E-11	-0.04688	0.31202	-0.20392	8.93E-06	-0.08586
0.120743	0.00901	0.040133	0.38688	0.087685	0.0583	0.04997	0.28119	0.07673
0.017572	0.70487	0.085465	0.06499	-0.0334	0.47156	-0.08143	0.07876	0.045539
0.004028	0.93082	-0.16637	0.00031	-0.04143	0.37171	-0.17251	0.00018	0.028168
0.030684	0.50832	-0.01583	0.73295	0.052505	0.25747	-0.02017	0.66367	0.032043
-0.0828	0.07385	0.003505	0.93978	-0.12591	0.00644	-0.09436	0.04154	-0.03215
-0.01021	0.82583	-0.18796	4.36E-05	-0.12521	0.00674	-0.25033	4.19E-08	-0.08298
-0.04165	0.36922	-0.12744	0.00582	-0.0701	0.13038	-0.05806	0.21041	-0.06033
0.145288	0.00164	-0.08445	0.06825	-0.02389	0.60653	-0.07137	0.1235	-0.02452
0.08973	0.05265	0.025362	0.58459	0.045627	0.32518	0.010555	0.82005	0.094147
0.07578	0.10193	0.082576	0.07463	0.051047	0.27094	0.018698	0.68693	0.064422
0.004398	0.92449	0.088461	0.0561	-0.02488	0.59174	-0.01946	0.67497	0.018015
0.103956	0.02467	-0.22171	1.31E-06	0.055464	0.23158	-0.13865	0.00268	0.029814
-0.09567	0.03876	-0.11528	0.01268	-0.10247	0.02681	-0.20029	1.29E-05	-0.08844
0.484345	7.68E-29	0.029237	0.52853	-0.00442	0.92408	-0.08373	0.07065	-0.05585
0.170345	0.00022	0.36231	6.22E-16	0.253522	2.78E-08	0.393705	9.16E-19	0.167617
0.011993	0.79603	-0.02228	0.63098	0.06227	0.17915	0.098183	0.03391	0.056284
0.040413	0.38357	-0.03448	0.45722	0.05117	0.26979	-0.02469	0.59452	0.01414
0.213583	3.21E-06	0.03629	0.43399	-0.03218	0.48788	-0.03807	0.41175	-0.05373

-0.1797	9.43E-05	-0.22373	1.04E-06	-0.07011	0.13031	-0.05237	0.25871	-0.11179
0.102794	0.02633	0.053947	0.24462	0.01643	0.72324	0.011577	0.80296	0.063515
0.089288	0.05383	0.024453	0.59813	0.066693	0.15015	0.087367	0.05922	0.048923
0.122116	0.00825	0.168688	0.00025	0.011102	0.81088	-0.05396	0.2445	0.141553
0.096502	0.0371	0.22645	7.62E-07	0.108346	0.01918	0.188298	4.22E-05	0.01323
0.078482	0.09025	0.183062	6.92E-05	-0.01794	0.69907	-0.01673	0.71845	0.03701
-0.09278	0.04507	-0.0387	0.40412	-0.17948	9.62E-05	-0.10961	0.01781	-0.17953
-0.08847	0.05609	0.151006	0.00106	-0.12849	0.00542	-0.01039	0.82289	-0.13206
-0.02477	0.59339	0.147993	0.00134	-0.10177	0.02787	-0.067	0.1483	0.015055
-0.15871	0.00058	0.062832	0.17525	-0.22204	1.26E-06	-0.09365	0.04308	-0.22256
-0.13522	0.00341	-0.14571	0.00159	-0.15299	0.00091	-0.2348	2.86E-07	-0.06395
-0.04513	0.33043	0.078717	0.08929	-0.06973	0.1324	-0.0621	0.18036	-0.03137
-0.04461	0.33611	-0.09898	0.03248	-0.25088	3.91E-08	-0.19806	1.62E-05	-0.25685
-0.04414	0.34121	-0.11097	0.01644	-0.16795	0.00027	-0.1427	0.00199	-0.21542
0.002828	0.9514	-0.03805	0.41203	-0.1449	0.00169	-0.08321	0.07241	-0.17553
-0.07653	0.09858	-0.04712	0.30962	-0.18179	7.79E-05	-0.0926	0.04549	-0.19065
0.206698	6.68E-06	0.333677	1.31E-13	0.085647	0.06442	0.19605	1.98E-05	0.033897
0.013157	0.77674	0.118743	0.01022	-0.11484	0.01302	0.09823	0.03382	-0.15645
0.070462	0.12838	0.080669	0.08161	0.08861	0.05568	0.063531	0.17049	0.091805
0.135931	0.00325	0.033164	0.47464	0.016859	0.71632	0.014963	0.74707	0.004675
0.061274	0.18622	0.007075	0.8788	0.02736	0.55533	-0.09425	0.04177	0.132241
0.028845	0.53407	0.093467	0.0435	0.004164	0.92849	0.090471	0.05072	0.001159
0.119819	0.00955	0.300902	3.15E-11	0.324193	6.87E-13	0.432391	1.07E-22	0.198185
-0.00674	0.88455	-0.05768	0.21342	-0.0281	0.54466	0.001721	0.97042	-0.05499
0.042727	0.3569	-0.13586	0.00326	0.087595	0.05856	-0.14349	0.00188	0.160073
0.261936	9.14E-09	0.150794	0.00108	0.094606	0.041	0.121792	0.00842	-0.01872
0.032037	0.48978	0.293803	9.44E-11	-0.09782	0.03457	0.017674	0.70324	-0.03278
0.02549	0.58269	0.169207	0.00024	-0.14455	0.00174	0.014576	0.75339	-0.07476
-0.07039	0.12879	-0.12488	0.00689	-0.18644	5.04E-05	-0.08581	0.06391	-0.17298
0.327468	3.91E-13	0.074458	0.10806	0.194887	2.23E-05	0.146807	0.00147	0.178293
0.282981	4.77E-10	0.344105	1.99E-14	0.095918	0.03826	0.246302	6.98E-08	0.205621
-0.05604	0.22678	-0.01218	0.79293	-0.03311	0.47539	-0.02722	0.55731	-0.0116
-0.09229	0.04622	-0.42513	6.40E-22	-0.20094	1.21E-05	-0.37466	5.21E-17	-0.221
0.087439	0.05901	0.005228	0.9103	0.084942	0.06665	0.072479	0.11778	0.118748
0.014212	0.75937	-0.14619	0.00154	-0.03109	0.50265	-0.09127	0.04871	-0.12975
0.072679	0.11677	0.120559	0.00911	0.002592	0.95545	-0.02353	0.61201	0.068897
-0.01828	0.69364	-0.17315	0.00017	-0.14768	0.00137	-0.24141	1.28E-07	-0.12253
0.08947	0.05334	0.005497	0.90569	0.242674	1.10E-07	0.236991	2.20E-07	0.084968
0.030152	0.5157	0.080441	0.08247	0.190957	3.27E-05	0.05821	0.20926	0.199116
0.054428	0.24043	0.074559	0.10758	0.088659	0.05555	0.101139	0.02886	0.059056
0.092433	0.04589	0.108797	0.01868	0.113808	0.01386	0.085913	0.06359	0.092201
0.010632	0.81876	0.160044	0.00052	0.08242	0.07518	0.148378	0.0013	0.124988
0.015465	0.73889	0.022407	0.62912	-0.06871	0.13817	-0.0485	0.29559	-0.03842
0.020588	0.65721	0.042756	0.35657	-0.07472	0.10681	-0.04061	0.3812	-0.05811
0.070307	0.12923	0.064435	0.16448	0.028071	0.54511	0.059265	0.2011	0.027428

0.070275	0.1294	0.050031	0.2806	0.033102	0.47546	-0.03238	0.48511	0.042536
0.1095	0.01793	0.063257	0.17235	0.043271	0.35081	0.065502	0.15759	0.019025
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0.071722	0.12168	0.070787	0.12663	0.04395	0.3433	-0.01032	0.824	0.080529
-0.17005	0.00022	-0.10673	0.02106	-0.10111	0.0289	-0.0944	0.04145	-0.01704
0.04507	0.33112	0.058054	0.21048	0.073643	0.11198	-0.02546	0.5832	0.189187
0.105566	0.02252	0.076795	0.09741	0.213656	3.18E-06	0.117722	0.0109	0.19646
-0.11958	0.00969	-0.09906	0.03234	-0.34113	3.44E-14	-0.20826	5.67E-06	-0.17124
0.245003	8.22E-08	0.18448	6.06E-05	0.341723	3.08E-14	0.26486	6.16E-09	0.240119
0.027104	0.55904	0.089405	0.05352	-0.00466	0.92003	-0.01162	0.80217	0.094136
0.095053	0.04005	0.007242	0.87596	0.026807	0.56336	-0.00082	0.98594	0.051146
0.103896	0.02475	-0.04284	0.35565	-0.01729	0.70946	-0.06789	0.14293	-0.02469
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0.248222	5.48E-08	-0.04577	0.32368	0.10673	0.02106	-0.07844	0.09043	0.192559
0.094732	0.04073	0.085591	0.06459	-0.20832	5.63E-06	-0.16917	0.00024	-0.00664
0.045161	0.33014	0.073733	0.11155	-0.00475	0.91845	-0.05776	0.21276	0.086449
-0.14938	0.00121	-0.14927	0.00122	-0.10428	0.02422	-0.12538	0.00667	-0.15769
0.119001	0.01006	0.066323	0.15244	-0.04313	0.3524	-0.06135	0.18568	-0.09482
0.05958	0.19871	-0.13063	0.00469	0.023127	0.61813	-0.08218	0.07604	0.050683
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0.076739	0.09765	0.086788	0.06093	0.057198	0.21729	-0.02136	0.64522	0.106382
0.114795	0.01305	0.033449	0.47084	0.189729	3.68E-05	0.09875	0.03288	0.21531
0.342363	2.74E-14	0.411088	1.81E-20	0.279603	7.79E-10	0.40392	9.39E-20	0.144273
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0.095238	0.03966	0.000548	0.99057	0.037542	0.41829	-0.08798	0.05746	0.138989
-0.06896	0.13677	-0.11875	0.01022	-0.01398	0.76325	-0.00738	0.8736	0.038995
-0.13625	0.00318	-0.10084	0.02934	-0.09532	0.03948	0.04829	0.2977	-0.16445
0.122193	0.00821	0.128035	0.00559	0.01498	0.74679	0.02033	0.66124	0.061368
0.067145	0.1474	0.11098	0.01643	0.216225	2.40E-06	0.153077	0.0009	0.118313
-0.38046	1.56E-17	-0.26919	3.40E-09	-0.32504	5.94E-13	-0.26119	1.01E-08	-0.26847
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0.307483	1.10E-11	0.154085	0.00084	0.202284	1.06E-05	0.047593	0.30474	0.228341
0.016212	0.72677	-0.10563	0.02244	0.048334	0.29727	-0.11311	0.01446	0.025667
0.152663	0.00093	-0.06918	0.13551	-0.00368	0.93673	-0.06967	0.13277	0.009521
0.057383	0.21581	-0.04408	0.34182	0.142126	0.00208	0.072	0.12023	0.144255
0.128418	0.00545	0.046395	0.31709	-0.00313	0.94613	0.004371	0.92495	0.106791
-0.0203	0.66167	0.011754	0.8	0.101551	0.02821	0.097939	0.03435	0.146769
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5.44E-05	0.99907	0.004581	0.92135	0.020576	0.6574	-0.02316	0.61759	0.030989
0.251237	3.73E-08	0.215355	2.65E-06	0.298149	4.84E-11	0.203589	9.24E-06	0.219391
0.099315	0.03189	-0.29935	4.01E-11	-0.02337	0.61445	-0.11827	0.01053	-0.13195
0.024739	0.59386	0.083792	0.07044	0.084252	0.0689	0.028451	0.53968	0.155947
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0.01784	0.70059	0.029123	0.53013	0.086455	0.06193	0.037875	0.41417	-0.01259
0.133943	0.00373	0.1887	4.06E-05	0.168648	0.00025	0.185402	5.56E-05	0.067912
0.151473	0.00103	0.11494	0.01294	0.080022	0.08409	0.098413	0.03349	0.157797
0.174522	0.00015	0.148139	0.00133	0.098356	0.03359	0.128445	0.00544	0.042634
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0.05598	0.22726	-0.17902	0.0001	-0.11913	0.00998	-0.06668	0.15025	-0.20342
0.033631	0.46843	-0.18449	6.06E-05	-0.02262	0.62592	-0.00569	0.90238	-0.13866
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0.024287	0.60061	0.022061	0.63441	0.065892	0.15512	0.115213	0.01272	-0.07901
0.085832	0.06384	0.010148	0.82687	0.085478	0.06495	0.034384	0.45853	0.062771
0.089831	0.05238	-0.12532	0.00669	-0.00765	0.86902	-0.06977	0.1322	-0.0767
0.040525	0.38225	-0.04162	0.36947	-0.01231	0.79077	-0.04745	0.30624	-0.04
0.035054	0.44982	-0.10694	0.02081	0.000393	0.99323	-0.07429	0.10884	0.004792
0.088106	0.05709	0.010821	0.81559	0.226585	7.50E-07	0.134226	0.00366	0.107951
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0.183224	6.81E-05	0.214539	2.89E-06	0.26011	1.17E-08	0.323208	8.13E-13	0.189553
-0.04404	0.34233	0.218415	1.89E-06	-0.09837	0.03357	0.103681	0.02505	-0.02671
0.095747	0.03861	0.068651	0.13852	0.122788	0.0079	0.025653	0.58028	0.042469
0.244568	8.68E-08	0.221916	1.28E-06	0.243074	1.04E-07	0.192534	2.80E-05	0.241485
0.016033	0.72967	-0.02033	0.66119	0.019092	0.68069	-0.03681	0.42748	0.016284
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0.411112	1.80E-20	0.043314	0.35033	-0.00998	0.82972	-0.03612	0.43615	-0.014
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0.014406	0.75619	0.051757	0.26432	-0.06637	0.15216	0.04325	0.35104	-0.01217
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0.209879	4.78E-06	0.052874	0.25414	0.052108	0.26109	0.035807	0.44014	0.051932
0.018318	0.69297	0.02051	0.65842	0.066026	0.15429	0.01126	0.80825	0.034537
0.07704	0.09634	-0.08657	0.06157	-0.01995	0.66713	-0.03765	0.41689	-0.04057
0.157989	0.00061	-0.00982	0.83243	0.033603	0.46881	-0.01812	0.69609	0.033754
0.028028	0.54573	-0.00349	0.94008	0.067342	0.14622	0.025844	0.57747	0.044073
0.188779	4.03E-05	0.060185	0.19418	-0.05201	0.26195	-0.02977	0.52097	-0.00806
0.197889	1.65E-05	0.106713	0.02108	0.211464	4.03E-06	0.158967	0.00056	0.189193
0.090633	0.0503	-0.0287	0.53617	0.215712	2.54E-06	0.228612	5.93E-07	0.164682
-0.04029	0.38496	0.074262	0.109	0.035723	0.4412	0.030587	0.50966	0.110956
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-0.00627	0.89253	0.005446	0.90657	-0.0425	0.35943	-0.05535	0.23251	-0.01689
-0.08377	0.0705	-0.2304	4.81E-07	0.04057	0.38172	-0.11163	0.0158	-0.06219
-0.11839	0.01045	-0.33172	1.86E-13	-0.2956	7.18E-11	-0.31272	4.72E-12	-0.28227
0.02344	0.61338	-0.00711	0.87816	0.077975	0.09235	0.092454	0.04584	0.138271
-0.20174	1.12E-05	-0.37834	2.43E-17	-0.31921	1.60E-12	-0.29762	5.25E-11	-0.28468
-0.08474	0.0673	-0.06443	0.16449	-0.17056	0.00021	0.018143	0.69576	-0.12434
-0.08504	0.06632	-0.10993	0.01748	-0.11033	0.01707	-0.20153	1.14E-05	-0.04591
0.04868	0.29382	0.139618	0.0025	0.045978	0.32146	-0.02976	0.52115	0.106054

0.030131	0.51599	0.095473	0.03917	0.086359	0.06222	0.158193	0.0006	0.070509
0.138776	0.00265	0.180543	8.73E-05	0.206209	7.03E-06	0.112626	0.01489	0.227833
-0.18084	8.49E-05	-0.29608	6.66E-11	-0.31648	2.53E-12	-0.32777	3.71E-13	-0.28666
-0.1681	0.00026	-0.19338	2.58E-05	-0.02144	0.64396	-0.10137	0.02849	-0.01237
-0.13522	0.00341	-0.16323	0.0004	-0.04937	0.28704	-0.07973	0.08525	-0.07421
-0.15629	0.0007	-0.02534	0.58494	-0.17057	0.00021	-0.06304	0.17382	-0.15944
0.007098	0.87842	-0.00928	0.84143	0.081547	0.07833	0.088473	0.05606	0.0888
0.071935	0.12057	0.025592	0.58119	0.141017	0.00225	0.106221	0.02169	0.115326
0.031328	0.49945	0.136529	0.00311	-0.02466	0.59501	0.022369	0.62969	0.042544
-0.10542	0.0227	-0.06516	0.1598	-0.03583	0.43982	-0.00741	0.87313	-0.11085
0.073209	0.11412	-0.03351	0.47008	0.060482	0.19199	0.029931	0.51878	0.057781
-0.00131	0.97746	0.028105	0.54461	0.085301	0.06551	0.052611	0.25651	0.129687
0.247551	5.96E-08	0.002835	0.95128	-0.01246	0.78828	-0.04845	0.2961	-0.00892
0.112174	0.0153	0.080035	0.08404	0.140091	0.00241	-0.02909	0.53064	0.206075
0.157682	0.00063	0.111204	0.01621	0.132122	0.00424	0.055298	0.23298	0.198797
0.015303	0.74153	0.257287	1.70E-08	-0.01878	0.68562	0.128553	0.0054	-0.05168
-0.08056	0.082	-0.18786	4.40E-05	-0.28042	6.92E-10	-0.15297	0.00091	-0.18376
0.058823	0.20449	-0.21193	3.84E-06	0.154903	0.00078	-0.06601	0.15437	0.117219
0.068347	0.14028	-0.0386	0.40522	0.10223	0.02717	0.007966	0.86368	0.117993
0.046539	0.31559	-0.03449	0.45718	0.078965	0.08828	0.003578	0.93854	0.035711
0.051674	0.26509	0.043573	0.34745	0.118015	0.0107	0.115636	0.0124	0.142274
0.054572	0.23918	-0.04239	0.3607	-0.01966	0.67173	-0.06289	0.17487	-0.01753
-0.01875	0.68606	0.031172	0.50159	0.039809	0.39072	-0.09178	0.04744	0.153224
0.048401	0.2966	0.096908	0.0363	-0.01293	0.78042	0.104299	0.02419	0.009902
-0.02382	0.60763	8.81E-05	0.99848	-0.06054	0.19154	0.095622	0.03886	-0.188
0.136539	0.00311	0.228731	5.85E-07	0.015923	0.73144	0.203276	9.54E-06	0.020902
0.268242	3.87E-09	0.129415	0.00509	0.17051	0.00021	0.020707	0.65535	0.211344
0.059584	0.19868	0.012344	0.7902	-0.02316	0.61756	-0.12041	0.0092	0.023081
0.009977	0.82974	0.039622	0.39295	-7.33E-05	0.99874	-0.09233	0.04613	0.098508
-0.10131	0.02859	-0.04897	0.29092	-0.17222	0.00018	-0.01876	0.68594	-0.1691
0.025322	0.58518	0.050511	0.27602	0.085713	0.06421	0.069155	0.13564	0.11271
-0.02042	0.65985	-0.16019	0.00051	-0.13158	0.0044	-0.05734	0.21617	-0.1271
0.129051	0.00522	0.118614	0.0103	-0.00129	0.9779	-0.04998	0.28108	-0.00838
-0.01948	0.67451	-0.0039	0.93293	0.00196	0.96631	-0.0239	0.60641	0.030988
0.084728	0.06734	0.036972	0.42539	0.017796	0.70129	-0.03087	0.5057	0.021845
0.151712	0.00101	0.060029	0.19534	0.141745	0.00214	0.073858	0.11094	0.198916
0.102523	0.02673	0.063949	0.16769	0.040028	0.38811	0.015388	0.74015	0.077685
-0.11125	0.01616	0.108561	0.01894	-0.2043	8.58E-06	-0.17802	0.00011	-0.05746
0.022342	0.63011	-0.09016	0.05152	-0.25552	2.14E-08	-0.26779	4.12E-09	-0.22825
0.082715	0.07414	-0.17087	0.00021	-0.14575	0.00159	-0.20909	5.19E-06	-0.10124
-0.01612	0.72831	-0.09102	0.04933	-0.02049	0.65875	-0.06437	0.1649	0.003024
-0.16669	0.0003	-0.1099	0.01751	-0.0946	0.04102	-0.0535	0.24859	-0.08373
0.000691	0.98811	-0.0051	0.91242	0.069601	0.13313	0.038068	0.41179	0.11721
0.072239	0.11901	-0.02638	0.56953	0.024805	0.59287	-0.06751	0.14522	0.09763
-0.0453	0.32866	-0.04292	0.35479	-0.08895	0.05474	-0.11592	0.01218	0.036268

0.147603	0.00138	0.013823	0.76575	0.252096	3.34E-08	0.191617	3.07E-05	0.102356
0.163353	0.00039	-0.09543	0.03927	0.101907	0.02766	-0.0597	0.19779	0.0125
-0.24789	5.72E-08	-0.19565	2.06E-05	-0.14779	0.00136	-0.22436	9.68E-07	-0.07154
-0.00391	0.93277	0.039937	0.38919	0.151504	0.00102	0.097243	0.03566	0.126511
0.195068	2.19E-05	-0.05313	0.25184	0.033018	0.47659	-0.01536	0.74054	0.015052
0.008798	0.8496	0.060853	0.18927	0.219987	1.59E-06	0.258936	1.36E-08	0.086927
-0.05782	0.21229	0.055474	0.2315	-0.00658	0.8873	0.049311	0.2876	0.068853
-0.00445	0.92364	0.003814	0.93448	0.036808	0.42745	-0.0048	0.91762	0.025826
-0.00678	0.88387	0.089252	0.05393	-0.01198	0.79628	-0.01178	0.79951	0.080919
-0.09398	0.04236	0.047075	0.31004	-0.12103	0.00884	-0.11319	0.01439	-0.02843
0.011828	0.79877	-0.0539	0.24503	-0.04608	0.3204	-0.07888	0.08863	-0.05831
-0.04343	0.34905	-0.12562	0.00656	0.071721	0.12168	-0.03244	0.48435	0.109771
0.040381	0.38394	-0.01174	0.80026	0.033353	0.47211	-0.02605	0.57447	0.055026
-0.0849	0.0668	0.000874	0.98497	-0.04445	0.33783	-0.07468	0.10701	0.069396
0.036839	0.42706	-0.12051	0.00914	0.186159	5.18E-05	0.163223	0.0004	0.025622
0.085386	0.06524	0.106567	0.02126	0.216068	2.45E-06	0.11472	0.01311	0.174052
-0.04872	0.29346	-0.1102	0.0172	0.04587	0.32261	-0.00797	0.8636	-0.05524
-0.20617	7.06E-06	-0.12996	0.00491	-0.26626	5.08E-09	-0.29586	6.89E-11	-0.24556
0.015793	0.73356	-0.01267	0.78477	-0.04832	0.29736	-0.08351	0.07139	0.065612
-0.01681	0.71717	-0.24255	1.11E-07	0.039142	0.39871	-0.19618	1.96E-05	0.188773
-0.18728	4.65E-05	-0.00911	0.84442	-0.11976	0.00959	-0.11668	0.01162	-0.06883
-0.08184	0.07727	-0.03504	0.45004	-0.1071	0.02062	-0.10485	0.02345	-0.05405
0.141441	0.00219	0.190235	3.51E-05	0.118666	0.01027	0.032363	0.48538	0.266588
-0.09688	0.03636	-0.23949	1.62E-07	-0.27619	1.27E-09	-0.23974	1.57E-07	-0.33953
0.002402	0.95871	0.039789	0.39095	-0.13358	0.00383	-0.13965	0.00249	0.025643
0.005662	0.90288	-0.01165	0.80178	0.009152	0.84363	-0.00604	0.89642	-0.00096
-0.0928	0.04503	0.044984	0.33204	-0.10388	0.02478	-0.02815	0.54401	-0.01483
-0.09357	0.04327	-0.04619	0.31926	-0.00301	0.94835	0.013749	0.76697	0.048012
-0.07089	0.12605	0.065608	0.15691	-0.06374	0.16912	0.010433	0.82209	-0.06214
0.121642	0.0085	0.003942	0.9323	0.108691	0.0188	0.123084	0.00775	-0.04242
0.175912	0.00013	0.211803	3.89E-06	0.270776	2.73E-09	0.272846	2.04E-09	0.227072
0.040813	0.37887	-0.05756	0.21442	0.100407	0.03005	0.029074	0.53083	0.042601
0.228285	6.16E-07	0.360666	8.59E-16	0.25099	3.85E-08	0.303571	2.06E-11	0.182959
0.00908	0.84485	-0.11774	0.01088	-0.22065	1.47E-06	-0.16812	0.00026	-0.16442
-0.1033	0.0256	-0.0659	0.15504	-0.18415	6.25E-05	-0.01365	0.76856	-0.1153
0.028999	0.53188	-0.12818	0.00554	-0.05317	0.25153	-0.01105	0.81183	0.033601
0.196413	1.91E-05	0.299894	3.68E-11	0.08992	0.05215	0.201104	1.19E-05	0.097009
-0.12416	0.00722	0.025904	0.57658	-0.22997	5.06E-07	-0.15281	0.00092	-0.12133
0.006884	0.88205	-0.08958	0.05305	-0.15094	0.00107	-0.10131	0.02859	-0.24213
0.037748	0.41573	0.034374	0.45866	-0.12628	0.00628	-0.09077	0.04996	-0.06853
0.016117	0.7283	-0.03866	0.40453	-0.03471	0.45433	-0.04775	0.30319	-0.01686
-0.01529	0.74169	-0.32829	3.38E-13	-0.13823	0.00276	-0.29009	1.66E-10	-0.12021
0.234994	2.80E-07	0.076181	0.10012	0.164684	0.00035	0.075145	0.10484	0.201175
0.06491	0.16139	-0.00132	0.97727	0.050872	0.27259	0.035766	0.44066	0.091244
-0.1487	0.00127	-0.13312	0.00395	0.021798	0.63846	0.049432	0.28642	-0.03712

0.167957	0.00027	0.145757	0.00159	0.228854	5.77E-07	0.19811	1.61E-05	0.25281
-0.01103	0.81208	-0.1384	0.00272	-0.04641	0.31693	-0.13541	0.00337	-0.03757
0.136998	0.00301	0.069296	0.13484	-0.20505	7.93E-06	-0.1302	0.00483	-0.1155
0.004336	0.92555	-0.03393	0.4645	0.039274	0.39712	0.00744	0.8726	0.01037
-0.10103	0.02903	-0.07447	0.10798	-0.05244	0.25808	-0.12893	0.00526	-0.04554
-0.10545	0.02266	-0.12007	0.0094	-0.1754	0.00014	-0.24002	1.52E-07	-0.1004
-0.0038	0.93478	-0.19445	2.32E-05	0.145505	0.00162	-0.0089	0.84789	0.103407
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0.042205	0.36281	-0.02605	0.57447	0.031986	0.49048	-0.04027	0.38523	0.120672
0.109591	0.01783	-0.04885	0.29213	0.17598	0.00013	0.084469	0.06819	0.092695
-0.00379	0.93492	0.030162	0.51556	-0.09059	0.05041	-0.15233	0.00096	0.027529
0.05897	0.20336	-0.0143	0.75785	-0.00624	0.89297	-0.06815	0.14141	-0.00786
-0.03741	0.41991	-0.00574	0.90162	0.078013	0.0922	0.056696	0.22136	0.100393
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-0.0218	0.6385	-0.2482	5.49E-08	-0.04749	0.30582	-0.23753	2.06E-07	-0.19872
0.247297	6.16E-08	0.2323	3.85E-07	0.262653	8.30E-09	0.30476	1.71E-11	0.160468
0.154908	0.00078	0.033133	0.47505	0.102102	0.02736	0.082801	0.07384	0.079978
-0.08566	0.06437	-0.09326	0.04397	-0.07613	0.10036	-0.20248	1.04E-05	-0.00603
0.039681	0.39225	0.161978	0.00044	0.333824	1.28E-13	0.242642	1.10E-07	0.254178
-0.17916	9.91E-05	-0.27865	8.94E-10	-0.11147	0.01596	-0.32486	6.13E-13	-0.19839
0.040905	0.3778	-0.10286	0.02623	-0.22974	5.20E-07	-0.18303	6.94E-05	-0.09839
0.00882	0.84923	-0.00417	0.9284	0.024616	0.59568	-0.05904	0.20285	0.097513
0.118645	0.01028	-0.18186	7.73E-05	-0.24252	1.12E-07	-0.18617	5.17E-05	-0.33188
0.045884	0.32246	-0.05563	0.23018	0.050272	0.27829	0.029825	0.52027	0.021656
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0.083715	0.0707	0.017454	0.70676	-0.01145	0.80508	-0.10781	0.01978	0.048951
-0.23935	1.65E-07	-0.21264	3.55E-06	-0.33328	1.41E-13	-0.21961	1.65E-06	-0.26867
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-0.04287	0.35531	0.052476	0.25774	-0.05745	0.21526	-0.08026	0.08317	0.006398
0.194552	2.30E-05	0.10939	0.01804	0.260094	1.17E-08	0.18374	6.50E-05	0.194306
0.023454	0.61316	-0.00851	0.85447	0.049409	0.28664	-0.03509	0.44928	0.052031
-0.05725	0.21691	-0.21396	3.08E-06	-0.04126	0.37367	-0.03143	0.49802	-0.03691
-0.07412	0.1097	-0.2841	4.04E-10	-0.19886	1.50E-05	-0.29548	7.30E-11	-0.28008
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0.117098	0.01133	0.149691	0.00118	0.185535	5.49E-05	0.154648	0.0008	0.191918
-0.03159	0.49591	-0.07227	0.11887	-0.04906	0.29003	-0.04951	0.28568	-0.03604
0.168151	0.00026	-0.11631	0.01189	0.023032	0.61957	-0.06764	0.14445	-0.03171
-0.01613	0.72815	-0.18309	6.90E-05	-0.20678	6.63E-06	-0.3336	1.33E-13	-0.20189
-0.03445	0.4576	-0.08811	0.05707	-0.13005	0.00488	-0.13613	0.0032	0.014763
-0.0476	0.30464	-0.1128	0.01473	-0.18675	4.89E-05	-0.22233	1.22E-06	-0.11908
-0.04537	0.32796	-0.11659	0.01169	-0.10789	0.01969	-0.13289	0.00402	-0.08389
0.068206	0.1411	-0.00772	0.86784	0.034298	0.45966	0.031518	0.49686	0.098943
-0.00146	0.97496	0.033821	0.46593	-0.05224	0.25986	-0.02719	0.55786	0.02526
0.099943	0.03082	0.119928	0.00948	0.047534	0.30535	-0.01775	0.70203	0.158989
-0.0746	0.10739	0.044052	0.34218	-0.05028	0.27824	-0.05115	0.26999	0.080526

0.138645	0.00268	0.183069	6.91E-05	0.184412	6.10E-05	0.108972	0.01849	0.231922
0.133667	0.00381	0.026339	0.57019	0.068005	0.14228	0.05001	0.28081	0.051068
-0.00953	0.83725	-0.17059	0.00021	-0.01021	0.82589	-0.12394	0.00733	-0.08305
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0.035471	0.44444	-0.06771	0.14402	0.056849	0.22011	0.011393	0.80603	0.105555
0.009496	0.83783	-0.06516	0.15979	-0.10432	0.02417	-0.2606	1.09E-08	-0.00668
-0.11808	0.01066	-0.1354	0.00337	-0.03544	0.44487	-0.20198	1.09E-05	0.043837
0.017133	0.71192	0.084996	0.06648	0.005593	0.90405	-0.04468	0.33534	0.1011
0.154646	0.0008	0.134653	0.00355	0.343278	2.32E-14	0.210649	4.40E-06	0.20159
0.003506	0.93977	-0.01191	0.79744	-0.00403	0.93077	-0.01014	0.82708	0.030877
0.043518	0.34806	-0.02776	0.54953	0.11632	0.01189	0.131921	0.00429	0.070063
0.133059	0.00397	-0.09628	0.03753	-0.02862	0.53722	-0.10718	0.02052	0.0813
0.194382	2.34E-05	0.040236	0.38566	0.247335	6.13E-08	0.061826	0.18228	0.225134
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-0.11072	0.01668	-0.01126	0.80818	-0.05628	0.22479	-0.03491	0.45164	0.012154
-0.10532	0.02283	-0.15606	0.00071	-0.23053	4.74E-07	-0.25258	3.14E-08	-0.16989
0.236611	2.30E-07	0.104622	0.02376	0.233492	3.34E-07	0.090162	0.05152	0.13774
0.149525	0.00119	-0.00706	0.87908	0.099382	0.03177	0.02385	0.60718	0.094076
0.205976	7.21E-06	0.008504	0.85458	0.15686	0.00067	0.016258	0.72603	0.056739
-0.02211	0.63369	-0.06323	0.17255	-0.13464	0.00356	-0.09057	0.05047	-0.09367
-0.03046	0.51139	-0.28769	2.38E-10	0.003966	0.93188	-0.14189	0.00212	0.057278
0.002209	0.96203	0.003498	0.9399	-0.0026	0.95539	0.022027	0.63493	-0.02946
0.10296	0.02609	0.060206	0.19403	0.102848	0.02625	0.080944	0.08057	0.075374
0.134117	0.00369	0.112505	0.015	0.172177	0.00018	0.055663	0.22991	0.203003
0.130062	0.00488	0.113599	0.01404	0.294782	8.13E-11	0.25546	2.16E-08	0.173812
0.059102	0.20234	0.076894	0.09698	0.063176	0.1729	0.043244	0.35111	0.137131
0.06563	0.15677	-0.01436	0.75701	-0.04528	0.32884	-0.09369	0.04301	0.010352
0.099354	0.03182	0.055516	0.23115	0.125048	0.00682	0.058522	0.20682	0.179911
0.026373	0.5697	-0.00812	0.86107	0.031021	0.50367	0.028594	0.53764	0.054991
0.116537	0.01173	0.0607	0.19039	0.157839	0.00062	0.189222	3.87E-05	0.054566
0.026682	0.56519	0.070206	0.12978	-0.03874	0.40361	-0.05045	0.27655	-0.00038
-0.08937	0.05362	0.039131	0.39885	-0.14601	0.00156	-0.08515	0.066	-0.05461
0.227731	6.57E-07	0.279371	8.06E-10	0.256778	1.81E-08	0.198455	1.56E-05	0.325105
-0.13583	0.00327	-0.16535	0.00033	0.036951	0.42565	-0.09369	0.043	0.045312
0.10473	0.02361	0.106397	0.02147	0.118259	0.01054	-0.01062	0.81896	0.122467
0.062848	0.17515	0.091152	0.04899	-0.07002	0.13082	0.05584	0.22843	0.029559
-0.13682	0.00305	0.036108	0.4363	-0.04985	0.28231	-0.06675	0.1498	-0.00157
0.005295	0.90915	0.166977	0.00029	-0.0478	0.30261	0.075152	0.10481	-0.01995
0.259984	1.19E-08	0.40886	3.03E-20	0.215794	2.52E-06	0.40883	3.05E-20	0.322654
0.055937	0.22762	-0.01573	0.73454	0.017189	0.71101	-0.06125	0.18643	0.087202
0.044107	0.34157	-0.02161	0.64135	-0.13553	0.00334	-0.05052	0.27595	-0.12746
-0.03212	0.48866	0.050317	0.27786	-0.12062	0.00907	-0.13666	0.00308	-0.09491
-0.03386	0.46541	0.009273	0.84159	0.158481	0.00059	0.159136	0.00056	0.050311
0.18557	5.47E-05	0.401357	1.67E-19	0.25183	3.46E-08	0.406556	5.15E-20	0.234215
-0.02144	0.64406	-0.05233	0.25903	0.054843	0.23685	-0.01905	0.68141	0.05193

-0.00277	0.95235	-0.14559	0.00161	-0.13976	0.00247	-0.10848	0.01904	-0.27906
-0.03323	0.47376	-0.07812	0.09176	-0.03622	0.43488	-0.01522	0.74281	-0.06387
0.012771	0.78312	0.050799	0.27328	0.04534	0.32823	0.041848	0.36689	0.040007
-0.04672	0.31373	0.08479	0.06714	-0.00201	0.96545	0.057421	0.2155	0.024333
0.082429	0.07515	0.003689	0.93662	0.024747	0.59374	0.006071	0.8959	0.032809
0.434582	6.17E-23	0.312305	5.04E-12	0.094167	0.04195	0.139243	0.00256	0.129528
-0.16132	0.00047	-0.10266	0.02653	-0.02032	0.66134	-0.05701	0.21883	0.008808
0.266394	4.99E-09	0.269224	3.38E-09	0.351746	4.78E-15	0.372206	8.59E-17	0.252041
0.019081	0.68086	-0.02067	0.65588	0.010361	0.82329	0.079275	0.08704	-0.00676
0.099418	0.03171	0.441372	1.10E-23	0.145895	0.00157	0.357115	1.71E-15	0.107984
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0.176578	0.00013	-0.05243	0.25812	0.202948	9.87E-06	0.024239	0.60133	0.321775
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0.106854	0.02091	0.206395	6.90E-06	0.024854	0.59213	0.061146	0.18714	-0.07867
0.012997	0.77937	0.092384	0.04601	0.037132	0.42338	0.05502	0.23535	0.174937
-0.07537	0.10381	-0.04434	0.33899	0.05493	0.23611	0.003212	0.94481	0.072067
0.087687	0.05829	0.13589	0.00326	0.066318	0.15246	0.050454	0.27655	0.078646
0.113575	0.01406	0.089905	0.05219	0.068525	0.13924	0.078741	0.08919	0.063327
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-0.04696	0.31121	-0.08437	0.06851	0.084783	0.06717	0.010273	0.82478	0.129138
0.297244	5.56E-11	0.032403	0.48484	0.166982	0.00029	0.056877	0.21989	0.077588
0.055789	0.22885	0.108272	0.01926	0.087165	0.05981	0.058231	0.20909	0.071495
0.096837	0.03644	0.147866	0.00135	0.223326	1.09E-06	0.129384	0.00511	0.203158
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0.085829	0.06385	0.132446	0.00414	0.04472	0.33489	0.004647	0.92022	0.050746
0.234133	3.10E-07	-0.20694	6.51E-06	0.060197	0.1941	-0.05507	0.23492	0.075573
0.065203	0.1595	0.077524	0.09426	0.09253	0.04566	0.018732	0.68639	0.083137
0.114602	0.01321	0.14389	0.00182	0.067581	0.14479	0.036039	0.43717	0.161613
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0.146648	0.00148	-0.13913	0.00258	0.046122	0.31995	-0.03964	0.39277	-0.02185
0.217749	2.03E-06	0.144187	0.00178	0.165309	0.00033	0.073842	0.11102	0.186311
0.113021	0.01454	0.090222	0.05136	0.118023	0.01069	0.076599	0.09827	0.137812
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0.028531	0.53854	0.031834	0.49255	0.010438	0.82201	-0.01775	0.70205	0.060745
0.021817	0.63817	0.009941	0.83034	0.018948	0.68297	-0.0301	0.51648	0.001036
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0.052769	0.25509	0.001225	0.97894	0.139151	0.00258	0.067701	0.14407	0.197584
0.095246	0.03964	0.078592	0.0898	0.090519	0.05059	0.060426	0.1924	0.064721
0.032627	0.48182	0.031469	0.49752	0.038077	0.41168	0.042192	0.36296	0.028186
0.02456	0.59653	0.026866	0.5625	-0.02902	0.53153	-0.03004	0.51727	0.024283
0.076392	0.09918	0.042288	0.36187	0.050495	0.27617	0.062462	0.17781	0.04851
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0.014169	0.76006	-0.03347	0.47055	-0.02543	0.58359	-0.04978	0.28305	-0.04731
0.072382	0.11828	0.056454	0.22334	0.064498	0.16406	0.035228	0.44756	0.041977
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0.110208	0.0172	0.059712	0.19772	0.071325	0.12376	0.024964	0.59049	0.050282
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0.010281	0.82463	0.08242	0.07518	0.121408	0.00863	0.0891	0.05434	0.156321
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0.048672	0.29389	0.002253	0.96127	0.028846	0.53406	-0.05964	0.19825	0.02606
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0.219713	1.63E-06	0.193862	2.46E-05	0.156365	0.0007	0.038226	0.40985	0.207704
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0.041965	0.36556	0.013165	0.7766	0.147557	0.00139	0.138153	0.00277	0.050169
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-0.18894	3.97E-05	-0.16463	0.00035	-0.1005	0.02989	-0.15681	0.00067	-0.14743
-0.00737	0.87372	0.056867	0.21997	-0.03216	0.48818	-0.04083	0.37863	0.040196



0.074052	0.11	0.018348	0.69249	-0.12104	0.00884	-0.0539	0.24506	-0.03157
0.041376	0.37232	-0.07081	0.12649	0.105324	0.02283	-0.02702	0.56027	0.134562
-0.12072	0.00902	-0.07081	0.12648	-0.18835	4.20E-05	-0.26754	4.27E-09	-0.07896
0.222311	1.22E-06	0.101461	0.02835	0.21436	2.95E-06	0.12814	0.00555	0.143921
-0.00681	0.88329	0.021581	0.6418	-0.11803	0.01069	-0.07674	0.09765	-0.07767
0.040309	0.38479	0.097922	0.03439	-0.01193	0.79705	0.060102	0.1948	0.104076
-6.15E-06	0.99989	0.117591	0.01098	-0.01847	0.69054	0.042065	0.36441	-0.02926
0.024682	0.5947	0.058994	0.20317	0.084716	0.06738	0.050976	0.27161	0.119902
0.025327	0.5851	0.044229	0.34023	0.069255	0.13507	0.036921	0.42603	0.046305
-0.16751	0.00028	-0.17776	0.00011	-0.25194	3.41E-08	-0.23611	2.44E-07	-0.2151
0.039496	0.39445	0.082009	0.07665	-0.02746	0.55384	0.01323	0.77553	0.041143
0.230869	4.56E-07	0.119831	0.00954	0.185792	5.36E-05	0.178063	0.00011	0.235615
0.000252	0.99567	0.187673	4.48E-05	0.117421	0.0111	0.187624	4.50E-05	0.122545
-0.08102	0.08028	-0.12143	0.00862	-0.25681	1.81E-08	-0.32553	5.46E-13	-0.17602
-0.01418	0.75995	-0.2584	1.47E-08	-0.27564	1.37E-09	-0.27901	8.48E-10	-0.17469
-0.18477	5.90E-05	-0.07382	0.11111	-0.12172	0.00846	-0.06365	0.16967	-0.0128
0.196981	1.81E-05	0.004407	0.92432	-0.01384	0.76545	-0.10881	0.01866	0.094335
-0.00737	0.87386	-0.00655	0.8878	0.066713	0.15003	0.021632	0.64101	0.094499
0.000589	0.98987	0.017344	0.70853	0.040371	0.38406	0.061619	0.18375	0.104428
0.010818	0.81564	0.023056	0.6192	0.107466	0.02019	0.072576	0.11729	0.121592
0.071121	0.12484	0.05755	0.21447	-0.04946	0.28619	-0.02307	0.61899	-0.00319
0.08212	0.07625	0.058892	0.20396	0.040537	0.38211	0.070955	0.12573	0.045703
0.004025	0.93087	0.013847	0.76536	-0.16213	0.00044	-0.11862	0.0103	-0.15688
-0.06383	0.1685	0.046156	0.31959	-0.02756	0.5524	-0.00633	0.89154	-0.01632
0.188414	4.18E-05	0.037465	0.41924	0.056568	0.22241	0.091154	0.04899	0.0448
-0.02049	0.65868	0.115967	0.01215	0.033876	0.4652	0.110546	0.01686	0.038957
-0.08117	0.07971	-0.00178	0.96938	-0.03	0.5178	-0.00332	0.94293	0.030694
-0.19106	3.24E-05	-0.21965	1.65E-06	-0.13164	0.00438	-0.12994	0.00492	-0.03072
0.052358	0.25881	0.114047	0.01366	-0.03961	0.39307	-0.02568	0.57986	0.002616
0.120854	0.00894	0.322302	9.49E-13	0.185571	5.47E-05	0.320856	1.21E-12	0.12352
0.084346	0.06859	0.166314	0.00031	0.031703	0.49433	0.072229	0.11906	0.030507
0.168727	0.00025	0.28282	4.88E-10	0.343775	2.12E-14	0.334059	1.23E-13	0.319195
-0.05785	0.21206	-0.03075	0.50734	-0.09257	0.04557	-0.15862	0.00058	0.004222
0.053845	0.24551	0.050069	0.28024	0.10551	0.02259	0.038063	0.41186	0.251632
-0.03745	0.41941	-0.02372	0.60916	-0.00561	0.90377	-0.1137	0.01395	0.020385
0.214841	2.80E-06	-0.02982	0.5203	0.099818	0.03103	-0.01061	0.81904	0.087132
-0.05702	0.21876	0.002107	0.96379	-0.08339	0.07181	-0.06919	0.13545	-0.00324
0.064638	0.16315	0.071746	0.12156	0.054859	0.23672	0.06766	0.14432	0.018874
-0.0118	0.79928	-0.12078	0.00898	-0.00964	0.83535	-0.15979	0.00053	0.114497
-0.11221	0.01526	-0.33519	1.00E-13	-0.19041	3.45E-05	-0.25897	1.36E-08	-0.21867
0.130272	0.00481	0.052118	0.261	0.001142	0.98036	0.00707	0.87889	-0.00596
-0.00977	0.83318	0.029297	0.52768	0.005336	0.90844	-0.01463	0.75252	0.010984
0.059686	0.19791	0.02905	0.53116	0.132657	0.00408	0.068681	0.13834	0.134919
-0.00361	0.93791	-0.00819	0.8599	-0.08833	0.05647	-0.04059	0.38146	-0.08012
0.256647	1.85E-08	0.315378	3.04E-12	0.257839	1.58E-08	0.311358	5.89E-12	0.141779

0.222723	1.17E-06	0.245132	8.08E-08	0.217277	2.14E-06	0.258354	1.47E-08	0.06064
-0.03167	0.49479	-0.07498	0.10563	-0.1496	0.00118	-0.0295	0.52489	-0.14414
0.075738	0.10212	0.009326	0.8407	-0.15268	0.00093	-0.14348	0.00188	-0.1484
0.110909	0.0165	0.122746	0.00792	0.091929	0.04709	0.059901	0.1963	0.138657
0.087749	0.05811	0.064991	0.16086	0.044017	0.34256	0.003748	0.93562	-0.00102
0.061593	0.18394	0.11307	0.01449	0.113229	0.01436	0.127748	0.0057	0.091392
0.276101	1.29E-09	0.36626	2.85E-16	0.317706	2.06E-12	0.353863	3.20E-15	0.269185
0.054049	0.24373	-0.01651	0.72189	-0.1193	0.00987	-0.09578	0.03854	-0.05331
-0.0399	0.38965	-0.09251	0.04571	-0.11868	0.01026	-0.19736	1.74E-05	-0.04748
-0.00161	0.97225	0.023434	0.61347	0.020533	0.65807	0.003251	0.94413	0.050265
0.032828	0.47912	-0.00187	0.9678	0.119111	0.00999	0.038765	0.40327	0.117923
-0.06234	0.17864	-0.12701	0.00599	-0.23243	3.79E-07	-0.25857	1.43E-08	-0.22775
-0.00841	0.85615	-0.07542	0.10355	-0.08297	0.07324	-0.02245	0.62843	-0.20796
-0.00183	0.9686	-0.25383	2.67E-08	-0.01227	0.79135	-0.21731	2.13E-06	-0.04453
-0.1031	0.02588	-0.38159	1.23E-17	-0.17771	0.00011	-0.29895	4.27E-11	-0.27217
0.07154	0.12263	-0.17843	0.00011	0.14283	0.00197	0.013274	0.7748	0.082153
-0.17242	0.00018	-0.22523	8.76E-07	-0.19515	2.17E-05	-0.17471	0.00015	-0.29137
0.183419	6.69E-05	0.056431	0.22353	0.097153	0.03583	-0.04856	0.29497	0.140381
-0.09451	0.04121	-0.26534	5.77E-09	-0.09813	0.03401	-0.24784	5.75E-08	-0.0124
0.070762	0.12676	0.012385	0.78952	0.060125	0.19463	-0.05554	0.23093	0.112309
-0.02307	0.61907	0.026526	0.56747	0.016005	0.73011	0.009856	0.83178	0.077249
0.046046	0.32075	0.108701	0.01879	0.015788	0.73364	0.051799	0.26394	0.078416
0.00038	0.99346	0.007661	0.86885	-0.02594	0.576	-0.02628	0.57107	0.001982
-0.08513	0.06606	0.046147	0.31969	-0.1388	0.00265	-0.05412	0.24307	-0.11289
0.01455	0.75382	0.172549	0.00018	-0.0283	0.54182	0.055152	0.23422	0.006809
0.050548	0.27566	0.109102	0.01835	0.025102	0.58844	0.060505	0.19182	0.09084
0.046779	0.31309	0.093642	0.04311	0.064498	0.16407	0.076647	0.09806	0.041401
0.000216	0.99628	0.093009	0.04455	0.022826	0.62271	0.056378	0.22397	0.01877
0.05208	0.26135	0.010432	0.8221	-0.00471	0.9191	-0.02336	0.61464	0.02749
-0.07993	0.08444	-0.05872	0.20527	-0.09382	0.04272	-0.11189	0.01556	-0.05391
0.058194	0.20938	0.089318	0.05375	0.096027	0.03804	0.076837	0.09722	0.134013
-0.01148	0.80452	0.26043	1.12E-08	-0.01306	0.77837	0.149559	0.00119	0.022047
0.297064	5.72E-11	0.352338	4.27E-15	0.147892	0.00135	0.221948	1.27E-06	0.191771
-0.05556	0.2308	0.030885	0.50553	-0.13775	0.00285	-0.01394	0.76385	-0.03772
0.034201	0.46093	0.060441	0.19229	0.05316	0.25158	0.014874	0.74853	0.150373
-0.10742	0.02023	-0.10436	0.02411	-0.08602	0.06325	-0.0904	0.05091	-0.0059
-0.05302	0.25284	0.022503	0.62764	-0.01573	0.73455	-0.0166	0.72051	-0.05096
0.119076	0.01001	0.029912	0.51905	0.065278	0.15902	-0.00906	0.84515	0.04307
0.252871	3.02E-08	0.045955	0.32171	0.214311	2.96E-06	0.144055	0.0018	0.169155
0.132104	0.00424	-0.08651	0.06177	-0.0267	0.56497	-0.02824	0.54274	0.084274
0.214426	2.93E-06	-0.06749	0.14534	0.222468	1.20E-06	0.003838	0.93407	0.164948
0.130046	0.00488	0.108081	0.01948	0.12933	0.00512	0.091607	0.04787	0.110575
0.110306	0.0171	0.099363	0.03181	0.114214	0.01352	0.057021	0.21872	0.114976
-0.07593	0.10126	-0.12252	0.00804	-0.11077	0.01663	-0.18104	8.34E-05	-0.09388
-0.1213	0.00869	-0.10674	0.02105	-0.19195	2.97E-05	-0.14021	0.00239	-0.15276

0.002381	0.95908	0.070792	0.1266	-0.13211	0.00424	-0.03921	0.39787	-0.12594
0.067642	0.14443	-0.0346	0.45572	-0.1053	0.02286	-0.02497	0.59038	-0.08516
0.106902	0.02085	-0.01261	0.78585	0.003493	0.94	-0.007	0.88011	-0.00623
0.042945	0.35446	0.022386	0.62943	0.058669	0.20567	0.064803	0.16208	0.031163
0.212293	3.69E-06	0.182771	7.11E-05	0.187943	4.37E-05	0.124944	0.00686	0.244964
0.080903	0.08072	-0.04035	0.38433	0.092125	0.04662	-0.03556	0.44326	0.12402
0.119358	0.00983	0.102232	0.02717	0.062245	0.17933	0.046766	0.31323	0.02836
0.039399	0.39563	-0.15423	0.00083	-0.04679	0.31301	-0.02862	0.53728	-0.16322
0.052745	0.2553	-0.0147	0.75137	-0.00239	0.95899	-0.06668	0.15023	0.01817
0.121759	0.00844	0.023278	0.61584	0.105181	0.02301	0.043863	0.34425	0.100161
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0.153272	0.00089	0.078759	0.08912	0.14931	0.00121	0.105659	0.0224	0.161011
0.005971	0.89759	-0.16633	0.00031	-0.04718	0.30899	-0.06747	0.14542	-0.10947
0.016244	0.72626	0.104084	0.02449	0.120366	0.00922	0.083191	0.07248	0.130815
0.069786	0.1321	0.05443	0.24041	0.112082	0.01538	0.038702	0.40404	0.090731
0.393339	9.92E-19	0.232556	3.74E-07	0.245799	7.44E-08	0.136904	0.00303	0.271743
0.063779	0.16883	0.026536	0.56732	0.035272	0.44699	0.015804	0.73338	0.068336
0.08038	0.08271	0.089395	0.05354	0.18533	5.60E-05	0.139592	0.0025	0.196606
-0.0884	0.05627	-0.24165	1.25E-07	-0.27545	1.41E-09	-0.25444	2.46E-08	-0.34641
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0.015525	0.73792	-0.05348	0.24873	-0.02469	0.59465	-0.01359	0.76963	-0.03436
0.00782	0.86615	-0.09198	0.04697	-0.26855	3.71E-09	-0.23262	3.71E-07	-0.21978
0.277667	1.03E-09	0.232664	3.69E-07	0.231426	4.27E-07	0.165998	0.00031	0.259671
0.243733	9.63E-08	0.227095	7.07E-07	0.150725	0.00109	0.179329	9.76E-05	0.208412
0.164438	0.00036	0.086517	0.06174	0.177191	0.00012	0.103603	0.02516	0.242612
0.056056	0.22663	-0.00643	0.8897	0.05535	0.23254	-0.0125	0.78754	0.062056
0.051787	0.26404	-0.01393	0.76399	0.098261	0.03376	0.035482	0.4443	0.081442
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-0.20882	5.35E-06	-0.03691	0.42612	-0.1337	0.0038	-0.04409	0.34177	0.011402
-0.07556	0.10292	-0.19076	3.33E-05	-0.24722	6.22E-08	-0.12197	0.00832	-0.31766
0.046825	0.31262	-0.21173	3.92E-06	-0.02961	0.52331	-0.10452	0.02389	-0.1204
0.157203	0.00065	0.023744	0.60878	0.211313	4.10E-06	0.085596	0.06458	0.203677
0.080698	0.0815	-4.18E-05	0.99928	0.08469	0.06747	0.01259	0.78612	0.06717
0.042059	0.36448	0.079082	0.08781	-0.02804	0.54555	-0.05858	0.20634	0.006737
0.159874	0.00052	0.005912	0.89862	-0.15828	0.0006	-0.10187	0.02772	-0.0267
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0.039613	0.39306	0.023242	0.61638	0.046352	0.31754	0.011807	0.79912	0.051868
0.206092	7.12E-06	0.014146	0.76045	0.15161	0.00101	0.073167	0.11433	0.140705
-0.00364	0.93746	0.080506	0.08223	0.078548	0.08998	0.100316	0.0302	0.078595
0.084672	0.06753	0.077074	0.0962	0.114819	0.01303	0.075039	0.10533	0.228397
0.039478	0.39467	0.166064	0.00031	-0.05464	0.23859	-0.00346	0.94048	0.152833
0.196212	1.95E-05	0.412749	1.23E-20	0.287641	2.39E-10	0.367548	2.20E-16	0.181443
0.196613	1.87E-05	-0.038	0.41267	0.126725	0.0061	-0.08373	0.07064	0.160039
0.035124	0.44891	-0.02268	0.62498	-0.03005	0.51708	-0.07711	0.09605	-0.05851
0.116778	0.01155	0.075145	0.10484	0.118275	0.01053	0.145354	0.00164	0.089974

0.094763	0.04066	0.011865	0.79817	0.071209	0.12437	0.038194	0.41024	0.049922
0.085238	0.06571	-0.01534	0.74093	0.249048	4.93E-08	0.070923	0.1259	0.118037
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0.218356	1.90E-06	0.197987	1.63E-05	0.285318	3.38E-10	0.308828	8.89E-12	0.229635
0.127982	0.00561	0.275055	1.49E-09	0.247663	5.88E-08	0.163807	0.00038	0.2897
0.10966	0.01776	0.256541	1.87E-08	0.260482	1.11E-08	0.212076	3.77E-06	0.218741
0.042514	0.3593	0.053369	0.24971	0.026492	0.56796	0.043254	0.35099	0.017987
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0.08932	0.05374	-0.0279	0.54759	0.016157	0.72766	-0.07155	0.12256	0.049188
0.060285	0.19344	0.082778	0.07392	-0.04092	0.37764	-0.02727	0.55665	0.009748
-0.00731	0.87476	-0.00658	0.88729	-0.11776	0.01087	-0.09947	0.03163	-0.02464
0.060416	0.19248	0.052345	0.25893	0.078596	0.08978	0.047112	0.30966	0.127547
0.016991	0.7142	-0.11296	0.0146	-0.16323	0.0004	-0.17272	0.00018	-0.05299
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0.382539	1.01E-17	0.219022	1.77E-06	0.116938	0.01144	0.216543	2.32E-06	0.183991
0.171522	0.0002	0.028196	0.54331	-0.01207	0.79476	-0.01224	0.79195	0.013545
-0.16459	0.00035	-0.12116	0.00877	-0.14767	0.00137	-0.07564	0.10257	-0.06829
0.119511	0.00974	0.057082	0.21823	0.004821	0.91724	-0.01461	0.75285	0.033448
0.026317	0.57052	-0.02247	0.62811	0.161384	0.00046	0.058566	0.20648	0.190706
0.011572	0.80304	-0.3096	7.85E-12	-0.10746	0.0202	-0.22716	7.02E-07	-0.14424
0.152142	0.00097	-0.02204	0.63478	0.082591	0.07457	0.142094	0.00208	-0.00248
-0.10005	0.03065	-0.15177	0.001	-0.07861	0.08972	-0.03255	0.4828	-0.07722
-0.03085	0.50595	0.022728	0.6242	0.004919	0.91557	-0.03185	0.49233	0.035236
-0.13273	0.00406	-0.30369	2.02E-11	-0.18674	4.90E-05	-0.19313	2.65E-05	-0.19392
0.108843	0.01863	-0.00773	0.86765	0.011419	0.8056	-0.02484	0.59233	0.082573
0.042319	0.36152	0.099506	0.03156	0.010702	0.81757	-0.03052	0.51053	0.063237
-0.06564	0.1567	-0.10165	0.02805	0.063661	0.16962	-0.01853	0.68965	0.02196
0.152752	0.00093	0.033226	0.47381	0.274969	1.51E-09	0.178784	0.0001	0.209472
0.104651	0.02372	0.200992	1.21E-05	0.169921	0.00023	0.119513	0.00974	0.227339
0.184803	5.88E-05	-0.12567	0.00654	0.085559	0.06469	-0.00639	0.89041	0.064161
0.028142	0.54408	-0.18275	7.12E-05	-0.06855	0.1391	-0.21647	2.34E-06	-0.07239
0.101475	0.02833	0.033762	0.4667	-0.10472	0.02363	-0.03005	0.51714	-0.15951
0.06082	0.18951	0.130514	0.00473	0.070536	0.12798	0.038212	0.41002	0.111134
-0.03516	0.44846	-0.18832	4.21E-05	0.10557	0.02251	-0.08672	0.06112	0.093065
0.236433	2.35E-07	-0.15313	0.0009	0.067684	0.14417	0.059882	0.19645	0.019814
-0.02985	0.51997	-0.00282	0.95161	-0.0513	0.2686	-0.02332	0.6152	-0.0442
0.028587	0.53774	0.036128	0.43604	-0.01865	0.68773	0.007207	0.87656	0.018462
0.080977	0.08045	0.129807	0.00496	-0.01711	0.71234	-0.0319	0.49169	0.078657
0.081121	0.07991	0.079706	0.08533	-0.00033	0.9944	-0.04631	0.31795	0.101531
-0.1955	2.09E-05	-0.08825	0.0567	-0.0443	0.33942	0.020517	0.65833	-0.08804
-0.01846	0.69077	0.072073	0.11986	-0.04017	0.38647	-0.0739	0.11073	0.034862
-0.00905	0.84531	-0.02275	0.62392	0.00052	0.99106	-0.02833	0.5414	-0.03327
-0.04113	0.37516	0.00799	0.86327	0.022365	0.62975	0.005319	0.90873	-0.04972
-0.09975	0.03114	0.093469	0.0435	-0.12201	0.0083	-0.05578	0.22896	-0.01742
-0.17629	0.00013	-0.10635	0.02153	0.056458	0.22331	-0.05813	0.20986	0.055677

0.032175	0.48791	0.105277	0.02289	0.222538	1.19E-06	0.09766	0.03487	0.218109
-0.0784	0.0906	-0.17498	0.00014	-0.10144	0.02838	-0.13057	0.00471	-0.04489
0.196251	1.94E-05	0.260725	1.08E-08	0.29544	7.35E-11	0.321184	1.15E-12	0.291471
-0.06478	0.16226	-0.29077	1.50E-10	-0.19368	2.51E-05	-0.21358	3.21E-06	-0.17874
0.089558	0.0531	0.092576	0.04555	-0.04929	0.28778	0.053583	0.24782	-0.01733
0.016447	0.72297	0.067514	0.14519	0.177743	0.00011	0.199571	1.39E-05	0.163427
0.128226	0.00552	0.095936	0.03823	0.000578	0.99007	0.020003	0.66636	0.00018
0.143622	0.00186	0.112373	0.01512	0.149562	0.00119	0.068092	0.14177	0.202932
-0.23565	2.59E-07	-0.23124	4.36E-07	-0.26509	5.96E-09	-0.19255	2.80E-05	-0.30341
0.269379	3.31E-09	0.166472	0.0003	0.22689	7.24E-07	0.218102	1.96E-06	0.189047
-0.08814	0.05699	-0.19219	2.90E-05	-0.25493	2.31E-08	-0.2819	5.58E-10	-0.13176
-0.07101	0.12545	-0.05884	0.20439	-0.15787	0.00062	-0.08571	0.06422	-0.18786
-0.10742	0.02025	-0.04634	0.31762	-0.07804	0.09206	-0.05016	0.27938	-0.03847
-0.00701	0.87991	0.039393	0.39569	0.07653	0.09857	0.062822	0.17532	0.08617
-0.02962	0.52311	0.008801	0.84955	-0.00581	0.90033	0.037276	0.42159	0.007332
-0.01139	0.80602	-0.19312	2.65E-05	-0.13779	0.00285	-0.1543	0.00082	-0.18029
-0.07311	0.11462	-0.12902	0.00523	-0.15464	0.0008	-0.10167	0.02803	-0.1648
0.125551	0.00659	0.112571	0.01494	-0.0291	0.53046	-0.02701	0.56036	-0.0245
-0.07996	0.08432	-0.24453	8.72E-08	-0.31631	2.60E-12	-0.31283	4.63E-12	-0.17038
0.073887	0.1108	-0.08437	0.06851	0.105682	0.02237	0.178845	0.0001	-0.00114
0.017853	0.70039	0.049417	0.28656	-0.08248	0.07496	-0.05719	0.21737	-0.05137
0.091351	0.0485	0.050323	0.2778	0.086193	0.06273	0.030307	0.51354	0.046766
0.097609	0.03497	0.186189	5.16E-05	0.082227	0.07587	0.083833	0.0703	0.134366
0.059922	0.19614	-0.02907	0.53089	0.129121	0.0052	0.181027	8.35E-05	-0.01223
0.113651	0.01399	0.066037	0.15421	0.152397	0.00095	0.02209	0.63397	0.161948
-0.0993	0.03192	-0.03011	0.51627	-0.15615	0.00071	-0.12545	0.00664	-0.08198
-0.04713	0.30949	-0.00896	0.84695	0.082084	0.07638	0.016306	0.72524	0.107771
0.073083	0.11475	0.092202	0.04644	0.131801	0.00433	0.085326	0.06543	0.074592
-0.03302	0.47655	-0.00032	0.99447	-0.15948	0.00054	-0.14718	0.00143	-0.12544
0.006961	0.88073	0.114323	0.01344	0.02267	0.62508	0.038161	0.41064	0.013006
0.226981	7.17E-07	0.471353	3.32E-27	0.161426	0.00046	0.341992	2.94E-14	0.085502
0.00078	0.98659	0.015035	0.74589	0.0041	0.92959	-0.01611	0.72841	0.019384
0.097254	0.03564	-0.13763	0.00288	-0.03531	0.44656	-0.06297	0.17427	-0.0926
0.005324	0.90864	0.033375	0.47183	-0.07082	0.12646	-0.00509	0.91259	-0.04283
0.120322	0.00925	0.022672	0.62506	0.091376	0.04844	0.004787	0.91783	0.091559
-0.00617	0.89418	0.115697	0.01235	0.024992	0.59008	0.100274	0.03027	0.079048
-0.01128	0.80791	-0.02572	0.5793	0.046012	0.3211	0.064522	0.16391	0.035496
0.00894	0.8472	-0.26917	3.41E-09	-0.17272	0.00018	-0.19683	1.83E-05	-0.24
-0.05769	0.21335	-0.06973	0.13239	0.020145	0.66413	0.021368	0.6451	-0.04136
-0.02779	0.5491	-0.0404	0.38367	0.146248	0.00153	0.074875	0.10609	0.080314
0.041961	0.3656	-0.04845	0.29612	0.063655	0.16966	0.006006	0.89701	0.080727
-0.03335	0.47217	-0.02546	0.58307	0.141401	0.00219	0.137559	0.00289	0.060213
0.118342	0.01048	-0.01881	0.6851	0.087003	0.06029	0.106088	0.02185	0.07942
-0.01144	0.80531	-0.0176	0.7045	0.110322	0.01708	0.145258	0.00165	0.086706
0.087276	0.05948	0.078596	0.08978	0.001938	0.96668	0.005428	0.90686	-0.08173

0.088265	0.05665	0.007852	0.86561	-0.04739	0.30684	-0.04394	0.34338	0.048944
0.170676	0.00021	0.203622	9.20E-06	0.193095	2.65E-05	0.313706	4.01E-12	0.112164
0.08298	0.07321	0.02011	0.66468	-0.05567	0.22988	-0.00713	0.87791	-0.09208
0.006846	0.88271	0.208142	5.74E-06	-0.08486	0.06691	0.171213	0.0002	-0.04373
-0.03169	0.49455	0.112882	0.01466	-0.07452	0.10778	-0.01249	0.78785	-0.04379
-0.03087	0.50572	0.040633	0.38098	-0.05042	0.27688	-0.04752	0.30545	-0.03368
0.03783	0.41473	0.034585	0.4559	-0.01455	0.75383	0.018951	0.68293	0.002098
0.11627	0.01192	0.006099	0.89542	-0.02892	0.533	-0.0547	0.23806	0.028541
-0.00937	0.83996	0.022504	0.62762	-0.02221	0.6321	-0.14264	0.002	0.145261
0.127625	0.00575	-0.01436	0.75702	0.017305	0.70915	-0.05119	0.26959	0.004205
0.120481	0.00916	0.090891	0.04965	0.108216	0.01933	0.075559	0.10293	0.137799
0.059251	0.20121	0.078285	0.09106	-0.09099	0.0494	-0.0824	0.07525	0.017751
0.347738	1.02E-14	-0.0077	0.86817	-0.01199	0.79605	-0.17232	0.00018	0.10423
0.107723	0.01989	0.068341	0.14031	0.14423	0.00178	0.279056	8.43E-10	0.035195
0.477412	5.85E-28	0.287109	2.59E-10	0.07576	0.10202	0.118661	0.01027	0.135903
-0.038	0.41258	0.033511	0.47002	-0.04786	0.30199	-0.06146	0.18488	-0.01524
0.057696	0.21331	0.036297	0.4339	0.029236	0.52853	-0.03553	0.44365	0.141913
-0.00959	0.83625	-0.00309	0.94692	-0.08378	0.07047	-0.05572	0.22942	-0.07651
0.003575	0.93859	0.036591	0.43019	-0.06283	0.17529	-0.02425	0.60115	-0.07445
0.123152	0.00771	-0.01107	0.81147	0.147773	0.00136	0.20718	6.35E-06	0.019344
0.21358	3.21E-06	0.256988	1.77E-08	0.212818	3.48E-06	0.261192	1.01E-08	0.102919
-0.02043	0.6597	0.098937	0.03255	-0.10352	0.02527	-0.08318	0.07252	0.043258
-0.02138	0.64494	-0.00593	0.8983	-0.00926	0.84185	-0.02698	0.56088	0.06676
-0.00307	0.94722	0.055011	0.23542	0.004111	0.9294	0.047283	0.3079	-0.02498
-0.061	0.18824	-0.0466	0.31492	0.026178	0.57255	0.020834	0.65338	0.005317
-0.09097	0.04945	0.014956	0.74718	-0.07486	0.10618	-0.03848	0.40676	-0.0723
0.068789	0.13773	0.055555	0.23082	-0.04687	0.31214	-0.04569	0.32455	0.033419
0.060521	0.1917	0.233725	3.25E-07	0.030814	0.50652	0.141705	0.00214	-0.01274
0.101476	0.02833	0.152905	0.00092	0.043618	0.34695	0.100166	0.03044	0.015777
-0.06511	0.1601	-0.16084	0.00048	-0.07116	0.12463	-0.00347	0.94044	-0.20534
0.014789	0.74991	0.041651	0.36916	0.160424	0.0005	0.167582	0.00028	0.120794
0.036403	0.43255	0.049933	0.28155	0.018051	0.69723	-0.07244	0.11799	0.103037
0.018279	0.6936	-0.05978	0.19724	-0.02449	0.59756	-0.12142	0.00862	0.024096
-0.01576	0.73412	-0.12363	0.00748	0.228006	6.37E-07	0.087063	0.06011	0.204653
0.160319	0.00051	0.147874	0.00135	0.25499	2.29E-08	0.086785	0.06094	0.29804
0.025706	0.5795	-0.10836	0.01916	-0.04532	0.32841	-0.04898	0.29085	-0.10233
0.074846	0.10623	0.009981	0.82967	0.250057	4.34E-08	0.164391	0.00036	0.213051
0.060845	0.18933	-0.10311	0.02586	0.062358	0.17854	5.05E-05	0.99913	0.030961
0.05936	0.20038	-0.04039	0.38383	0.14909	0.00123	0.052602	0.2566	0.117876
0.02871	0.53599	0.210059	4.68E-06	0.047866	0.30197	0.003215	0.94475	0.073536
0.034583	0.45593	0.051865	0.26333	-0.02105	0.6501	-0.11619	0.01198	0.05472
0.027027	0.56017	-0.01117	0.80968	-0.23993	1.54E-07	-0.20582	7.33E-06	-0.14674
-0.19105	3.24E-05	-0.27939	8.03E-10	-0.22438	9.65E-07	-0.19118	3.20E-05	-0.27452
-0.02155	0.64235	-0.14206	0.00209	0.132875	0.00402	-0.06413	0.16652	0.098788
-0.0817	0.07777	-0.03208	0.48921	-0.249	4.96E-08	-0.1713	0.0002	-0.10041

0.015291	0.74172	0.018444	0.69097	0.057909	0.21162	0.060535	0.1916	0.011505
0.090005	0.05192	0.161326	0.00047	0.118044	0.01068	0.146064	0.00155	0.082224
0.082167	0.07608	-0.09248	0.04579	0.147126	0.00143	0.058763	0.20495	0.051261
0.176723	0.00012	0.086833	0.06079	0.214489	2.91E-06	0.121533	0.00856	0.209125
0.161843	0.00045	0.115351	0.01262	0.170739	0.00021	0.160422	0.0005	0.15629
0.004502	0.92271	0.101467	0.02834	-0.02813	0.54428	-0.00165	0.9716	-0.05609
0.095869	0.03836	0.006333	0.89143	0.184557	6.02E-05	0.07817	0.09154	0.185991
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0.109791	0.01762	-0.15873	0.00058	0.115387	0.01259	-0.01637	0.72415	0.019634
-0.01456	0.75371	0.036681	0.42904	0.047918	0.30145	0.032652	0.48149	0.09707
0.009627	0.83562	-0.06865	0.13853	-0.00014	0.99756	-0.05888	0.20406	-0.00391
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0.241383	1.29E-07	0.042582	0.35853	0.05402	0.24397	0.011429	0.80543	0.003523
0.068826	0.13751	0.002224	0.96177	0.038725	0.40376	0.156125	0.00071	0.060337
0.166893	0.00029	0.013882	0.76478	-0.15562	0.00074	-0.06805	0.14199	-0.10525
-0.14761	0.00138	-0.0375	0.41875	-0.03491	0.4517	0.02778	0.54928	-0.00799
0.446828	2.67E-24	0.213987	3.07E-06	0.151665	0.00101	0.08076	0.08126	0.19574
0.004744	0.91856	-0.05766	0.21359	-0.0003	0.99486	0.005235	0.91017	-0.11275
0.094654	0.04089	0.021642	0.64087	0.159996	0.00052	0.075446	0.10345	0.187474
-0.05463	0.23868	0.013181	0.77634	-0.0622	0.17966	-0.04721	0.30866	-0.0005
0.047342	0.3073	-0.17399	0.00016	0.072376	0.11831	-0.04448	0.33745	0.001018
0.152645	0.00094	-0.06816	0.14137	0.083777	0.07049	0.015	0.74647	-0.02763
0.145451	0.00162	0.15918	0.00055	-0.05487	0.23662	0.004539	0.92207	-0.20891
0.030924	0.505	0.069953	0.13117	0.129222	0.00516	0.098399	0.03351	0.147315
0.006984	0.88035	0.013642	0.76874	0.028348	0.54115	0.010953	0.81338	0.017441
0.016141	0.72792	0.115429	0.01256	0.137749	0.00285	0.121862	0.00838	0.162443
0.035167	0.44835	-0.03699	0.42517	0.131951	0.00429	0.043453	0.34878	0.085179
0.164764	0.00035	-0.11063	0.01677	0.240606	1.42E-07	0.102043	0.02745	0.107244
-0.12071	0.00903	-0.02341	0.6138	-0.07518	0.10467	-0.10626	0.02164	-0.03405
0.172005	0.00019	0.229991	5.05E-07	0.23015	4.96E-07	0.170366	0.00022	0.28315
0.030006	0.51773	0.187253	4.67E-05	-0.02145	0.6439	-0.06682	0.14938	0.119384
0.096316	0.03746	0.192779	2.74E-05	0.20994	4.74E-06	0.159289	0.00055	0.190154
0.000651	0.98881	-0.0669	0.14889	0.037272	0.42164	-0.02423	0.60152	0.053701
0.175432	0.00014	0.102821	0.02629	0.129219	0.00516	0.176828	0.00012	0.145716
0.103882	0.02477	0.099704	0.03122	0.118428	0.01042	0.053345	0.24993	0.200059
-0.03089	0.50545	0.105831	0.02218	0.014692	0.7515	0.073719	0.11162	0.061848
0.060833	0.18941	-0.04656	0.31539	-0.07366	0.11192	-0.02936	0.52682	-0.07593
-0.10722	0.02047	-0.05481	0.23712	-0.0264	0.56933	-0.04982	0.28266	0.025304
0.099743	0.03116	0.071551	0.12257	0.126717	0.0061	0.127348	0.00585	0.073176
-0.12758	0.00576	-0.04879	0.29276	-0.1801	9.09E-05	-0.06223	0.17943	-0.17468
0.064297	0.16539	0.031101	0.50256	0.010791	0.81609	-0.05971	0.19772	0.004978
0.119474	0.00976	0.123983	0.00731	0.125132	0.00678	0.056254	0.22499	0.133161
0.224773	9.23E-07	0.241658	1.24E-07	0.211731	3.92E-06	0.19107	3.23E-05	0.222182
0.08999	0.05196	0.106059	0.02189	-0.15603	0.00072	-0.06783	0.14331	-0.02931

0.071836	0.12109	0.122098	0.00826	0.170628	0.00021	0.115836	0.01225	0.251355
0.001194	0.97947	0.013234	0.77546	0.16648	0.0003	0.052525	0.25729	0.293608
-0.01218	0.79296	0.026253	0.57145	0.143435	0.00189	0.148167	0.00132	0.118898
0.035683	0.44172	-0.04271	0.35712	0.086996	0.06031	-0.00223	0.96171	0.110567
0.562458	2.59E-40	0.216779	2.26E-06	-0.0145	0.75465	0.01745	0.70683	0.004872
0.050491	0.27621	0.097642	0.03491	0.163011	0.0004	0.100202	0.03039	0.03096
0.10623	0.02168	0.162092	0.00044	0.184276	6.18E-05	0.153402	0.00088	0.10564
0.202702	1.01E-05	0.004891	0.91605	-0.03404	0.46308	-0.08138	0.07896	0.028294
0.192208	2.90E-05	0.037455	0.41937	0.234486	2.97E-07	0.123045	0.00777	0.122523
0.169504	0.00023	-0.05148	0.26691	0.10991	0.0175	-0.00674	0.88444	0.002105
0.154435	0.00081	0.015975	0.73061	0.126413	0.00623	-0.03275	0.4801	0.048739
0.167037	0.00029	0.140505	0.00234	0.258851	1.38E-08	0.178225	0.00011	0.147233
0.159983	0.00052	0.320043	1.39E-12	0.220255	1.54E-06	0.336415	8.06E-14	0.274463
0.184513	6.04E-05	0.332483	1.62E-13	0.132285	0.00419	0.223104	1.12E-06	0.063261
0.282544	5.08E-10	0.037072	0.42414	0.003582	0.93847	-0.06099	0.18827	0.095653
-0.13086	0.00462	-0.00943	0.83902	-0.11547	0.01253	-0.06835	0.14024	-0.0991
0.009091	0.84467	-0.0128	0.78265	0.001078	0.98147	-0.03027	0.51405	-0.00858
0.068613	0.13874	0.077132	0.09594	-0.02564	0.58054	-0.00482	0.91733	0.014763
-0.06012	0.1947	-0.00583	0.90002	-0.15828	0.0006	-0.14094	0.00227	-0.12752
0.226625	7.47E-07	0.014116	0.76094	0.143733	0.00185	0.067346	0.14619	0.131661
-0.02666	0.56547	-0.02497	0.59046	0.097465	0.03524	0.038254	0.4095	0.077292
0.077682	0.09359	-0.12462	0.00701	0.139886	0.00245	-0.12161	0.00852	0.175305
0.013128	0.77721	0.028236	0.54274	0.017142	0.71177	0.032296	0.48628	-0.0095
0.217405	2.11E-06	0.269734	3.15E-09	0.137078	0.00299	0.167057	0.00029	0.055695
-0.07326	0.11386	-0.0138	0.76607	-0.03712	0.42355	-0.02074	0.65483	-0.06891
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-0.01183	0.79868	0.00878	0.84991	0.067691	0.14413	0.099233	0.03203	0.066614
-0.18756	4.53E-05	0.046175	0.31939	-0.08094	0.08058	-0.03961	0.3931	0.03933
-0.06748	0.14539	-0.05068	0.27439	0.034847	0.45249	0.034898	0.45184	0.029951
0.046383	0.31721	0.018357	0.69235	0.207637	6.06E-06	0.216924	2.23E-06	0.128875
0.054379	0.24085	0.039866	0.39004	0.035532	0.44366	-0.00163	0.972	0.067261
0.003573	0.93863	0.046127	0.3199	0.019785	0.66978	0.026365	0.56982	0.041713
0.115859	0.01223	-0.03353	0.46982	0.133747	0.00378	0.056334	0.22433	0.097892
0.147831	0.00136	-0.01998	0.66674	0.026208	0.57212	-0.00586	0.89952	0.007256
0.013962	0.76348	-0.00772	0.86792	0.032605	0.48212	-0.06334	0.17176	0.154406
-0.12568	0.00654	-0.33369	1.31E-13	-0.20586	7.30E-06	-0.34611	1.37E-14	-0.24033
0.187358	4.62E-05	-0.03118	0.50148	-0.03894	0.4011	-0.10059	0.02975	0.031706
0.043927	0.34354	-0.05277	0.25507	-0.16721	0.00028	-0.08512	0.0661	-0.16582
0.021601	0.64149	-0.00423	0.92731	0.090851	0.04975	0.006305	0.89191	0.128357
-0.14093	0.00227	-0.0018	0.96914	-0.19494	2.21E-05	-0.06808	0.14182	-0.12056
-0.02644	0.5687	0.11276	0.01477	-0.05355	0.24811	0.027959	0.54671	0.003464
0.163074	0.0004	0.085294	0.06553	0.262757	8.18E-09	0.186625	4.95E-05	0.223
0.056759	0.22085	-0.17508	0.00014	0.070993	0.12553	-0.1354	0.00337	0.063553



0.093353	0.04376	0.128512	0.00541	0.1058	0.02222	0.060421	0.19244	0.118787
0.036716	0.4286	0.021596	0.64158	-0.03118	0.50145	-0.02837	0.54082	-0.02943
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0.107616	0.02001	0.453078	5.11E-25	0.035402	0.44533	0.159549	0.00054	0.165706
0.023438	0.6134	-0.00925	0.84202	-0.07583	0.1017	-0.10517	0.02303	0.008428
0.065098	0.16017	-0.12188	0.00838	-0.11706	0.01135	-0.18572	5.39E-05	-0.0681
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0.199087	1.46E-05	0.032549	0.48288	0.13853	0.0027	0.081813	0.07736	0.105362
0.047529	0.30539	-0.19968	1.38E-05	-0.15084	0.00108	-0.14302	0.00195	-0.24288
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0.000166	0.99715	-0.14115	0.00223	0.171263	0.0002	0.148866	0.00125	0.00962
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0.200597	1.26E-05	0.105737	0.0223	0.190409	3.45E-05	0.073317	0.11359	0.236142
-0.15509	0.00077	-0.14638	0.00151	-0.14839	0.0013	-0.10077	0.02945	-0.10378
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0.038853	0.40221	0.008127	0.86095	-0.04629	0.31818	-0.01312	0.77734	-0.01257
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0.034024	0.46325	0.070448	0.12846	0.028415	0.54019	-0.02501	0.58985	0.081705
0.12065	0.00906	0.024834	0.59243	-0.07983	0.08483	-0.03393	0.46454	-0.02056
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0.055748	0.2292	0.04467	0.33544	0.063201	0.17273	-0.03985	0.39028	0.181304
0.161481	0.00046	0.03185	0.49232	0.247561	5.96E-08	0.216993	2.21E-06	0.208289
0.105165	0.02304	0.029277	0.52796	0.015715	0.73483	0.038988	0.40058	-0.10145
0.249586	4.61E-08	0.271526	2.46E-09	0.223403	1.08E-06	0.286764	2.73E-10	0.097868
0.315011	3.23E-12	0.26457	6.40E-09	0.244341	8.92E-08	0.178627	0.0001	0.30436
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0.010899	0.81429	0.031332	0.4994	0.04797	0.30092	0.000894	0.98463	0.071199
0.154287	0.00082	0.193117	2.65E-05	0.252284	3.26E-08	0.243725	9.64E-08	0.197832
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0.178782	0.0001	0.300951	3.12E-11	0.082781	0.07391	0.199595	1.39E-05	0.002084
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0.035203	0.44789	-0.02903	0.53144	-0.04052	0.38234	0.040004	0.3884	-0.11108
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0.244313	8.96E-08	0.241606	1.25E-07	0.265852	5.38E-09	0.349763	6.95E-15	0.123048
0.105501	0.0226	0.240656	1.41E-07	0.025655	0.58025	0.172818	0.00017	0.001911
0.053948	0.24461	0.174838	0.00015	0.153624	0.00087	0.192151	2.91E-05	0.246546
0.098655	0.03305	0.319588	1.50E-12	0.176056	0.00013	0.322555	9.09E-13	0.035612
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0.142248	0.00206	0.224771	9.24E-07	0.106452	0.0214	0.205681	7.43E-06	0.142166
0.150296	0.00112	0.223007	1.13E-06	0.137669	0.00287	0.129927	0.00492	0.244356

0.141352	0.0022	-0.01864	0.68788	0.178575	0.0001	0.031339	0.4993	0.123732
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0.052944	0.25351	0.032341	0.48567	-0.00741	0.87313	-0.04871	0.29351	0.043222
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0.0158	0.73345	0.020867	0.65288	0.063984	0.16746	0.062086	0.18044	0.099954
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0.097707	0.03478	0.040188	0.38623	0.041067	0.3759	0.070182	0.12991	0.032721
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0.119539	0.00972	0.096552	0.037	0.107271	0.02042	0.014265	0.75849	0.122239
0.34015	4.11E-14	0.059492	0.19938	0.263755	7.15E-09	0.154758	0.00079	0.153345
0.142003	0.0021	0.076064	0.10065	-0.03689	0.42644	0.065071	0.16034	-0.08876
0.055906	0.22788	0.133418	0.00387	0.054637	0.23862	0.042333	0.36136	0.077203
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0.018134	0.6959	-0.12438	0.00712	0.088421	0.05621	-0.00069	0.98811	0.046945
0.030509	0.51074	-0.00246	0.95769	-0.02036	0.66079	-0.11788	0.01079	0.122256
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0.109343	0.01809	0.010257	0.82504	-0.13968	0.00248	-0.0951	0.03995	-0.04539
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0.166502	0.0003	0.371734	9.46E-17	0.290354	1.59E-10	0.297902	5.02E-11	0.306167
0.182437	7.33E-05	0.271771	2.37E-09	0.106473	0.02138	0.222747	1.16E-06	-0.00217
0.138779	0.00265	0.09806	0.03413	0.015739	0.73444	0.037042	0.42451	-0.05543
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0.068378	0.1401	-0.08634	0.06229	-0.00577	0.90099	0.006957	0.88081	-0.00319
0.041531	0.37054	0.234325	3.03E-07	0.068132	0.14153	0.12179	0.00842	0.024712
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0.006736	0.88457	-0.00427	0.92675	0.057144	0.21773	0.008688	0.85146	0.035974
0.00496	0.91488	-0.04725	0.30827	0.059963	0.19584	-0.01187	0.79805	0.094248
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0.029239	0.5285	0.124926	0.00687	0.21965	1.65E-06	0.178678	0.0001	0.212572
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0.397525	3.94E-19	-0.01602	0.72982	0.186293	5.11E-05	0.026137	0.57316	0.176649
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0.059005	0.20309	-0.00846	0.85526	0.169684	0.00023	0.069941	0.13124	0.067093
0.123149	0.00772	0.098718	0.03294	0.046158	0.31958	0.018211	0.69467	0.100166
0.014613	0.75279	0.072423	0.11807	0.019507	0.67415	0.042981	0.35405	0.067814
0.017661	0.70346	0.079836	0.08482	0.026945	0.56135	0.05079	0.27336	0.039839
0.110219	0.01718	-0.09837	0.03356	0.040812	0.37889	-0.09283	0.04495	-0.01476
0.194347	2.35E-05	0.076988	0.09656	0.266962	4.62E-09	0.112217	0.01526	0.297602
0.026275	0.57114	0.048237	0.29823	0.010458	0.82168	-0.09665	0.0368	0.12658
0.023377	0.61433	0.086403	0.06209	0.019559	0.67333	0.044656	0.33559	0.026149
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-0.21063	4.41E-06	-0.22664	7.46E-07	-0.23792	1.97E-07	-0.15935	0.00055	-0.2185
0.159223	0.00055	0.32659	4.55E-13	0.221085	1.40E-06	0.303525	2.08E-11	0.092118
0.058138	0.20982	-0.10829	0.01925	-0.0895	0.05325	-0.09376	0.04284	-0.09574
0.029856	0.51982	-0.11824	0.01055	0.238652	1.80E-07	0.163728	0.00038	0.102743
-0.02282	0.62276	-0.07168	0.12192	-0.0291	0.53043	-0.01819	0.69498	-0.03127
0.247696	5.86E-08	0.394156	8.29E-19	0.176359	0.00013	0.243037	1.05E-07	0.164633
-0.14372	0.00185	-0.22668	7.42E-07	-0.22117	1.39E-06	-0.21257	3.58E-06	-0.1909
0.084356	0.06856	-0.13442	0.00361	0.113952	0.01374	0.039181	0.39824	-0.05167
0.079298	0.08694	0.130963	0.00459	0.128472	0.00543	0.112748	0.01478	0.038625
0.131904	0.0043	0.059578	0.19873	-0.06665	0.15039	-0.04058	0.38165	-0.0715
-0.06001	0.1955	-0.36136	7.49E-16	-0.01251	0.78749	-0.06942	0.13416	-0.12105
0.016263	0.72594	-0.2823	5.26E-10	0.047849	0.30214	-0.14262	0.002	-0.09351
0.067922	0.14276	0.077262	0.09538	0.131568	0.0044	0.113185	0.01439	0.098004
0.236881	2.23E-07	0.208797	5.36E-06	0.273647	1.82E-09	0.307462	1.11E-11	0.248681
-0.0569	0.21972	-0.01051	0.82077	-0.0741	0.10979	-0.0547	0.23812	-0.02958
0.064183	0.16614	-0.0036	0.93822	-0.00522	0.91042	0.002158	0.9629	0.007245
0.058346	0.20819	0.09011	0.05165	0.043293	0.35057	0.024522	0.59709	0.062762
-0.15808	0.00061	-0.1071	0.02062	-0.11596	0.01215	-0.0989	0.03261	-0.06073
0.135219	0.00341	0.031822	0.4927	0.074207	0.10926	-0.02122	0.64736	0.196231
0.002814	0.95165	-0.01003	0.8289	0.037185	0.42272	0.100369	0.03011	0.018505

0.096236	0.03762	0.094563	0.04109	0.037762	0.41556	0.057284	0.2166	0.045558
0.031504	0.49704	-0.12226	0.00817	0.138886	0.00263	0.136657	0.00308	-0.03615
-0.10023	0.03033	-0.04128	0.37348	-0.06526	0.15913	-0.04412	0.34139	-0.05725
0.3121	5.22E-12	0.142635	0.002	0.129518	0.00506	0.201965	1.09E-05	0.086595
-0.10972	0.0177	-0.07385	0.11098	-0.24315	1.04E-07	-0.18462	5.98E-05	-0.2506
0.066435	0.15174	-0.00073	0.98746	0.135575	0.00333	0.147932	0.00135	0.057952
0.034219	0.46069	0.061945	0.18144	0.15337	0.00088	0.12413	0.00724	0.119215
-0.18885	4.01E-05	-0.24185	1.22E-07	-0.19161	3.07E-05	-0.13349	0.00385	-0.17407
0.030017	0.51758	-0.03013	0.51599	0.020006	0.66632	-0.01687	0.71616	0.066603
-0.11192	0.01553	-0.14837	0.0013	-0.27912	8.35E-10	-0.19876	1.51E-05	-0.23509
-0.12021	0.00932	-0.30161	2.81E-11	-0.31098	6.26E-12	-0.28448	3.83E-10	-0.26396
0.139513	0.00251	-0.11615	0.01201	0.215033	2.74E-06	0.038524	0.40621	0.09071
0.120579	0.0091	0.131731	0.00435	0.115207	0.01273	-0.01187	0.79807	0.117078
-0.00727	0.87542	0.104709	0.02364	0.022303	0.63071	0.029872	0.5196	0.053853
0.051167	0.26981	-0.19302	2.67E-05	0.006736	0.88457	-0.08886	0.05499	-0.08951
-0.07253	0.11753	-0.07952	0.08606	-0.0662	0.15322	-0.04937	0.28704	-0.1
0.075025	0.1054	-0.04318	0.35187	0.003027	0.94799	-0.01583	0.73298	-0.04473
-0.07366	0.1119	0.006756	0.88423	-0.07063	0.12748	-0.11218	0.01529	0.002666
-0.02555	0.58187	-0.02149	0.6432	-0.11494	0.01294	-0.07641	0.0991	-0.0786
4.08E-05	0.9993	0.002722	0.95323	-0.06414	0.16641	-0.08197	0.07678	-0.04347
0.072553	0.11741	0.097238	0.03567	0.122193	0.00821	0.021488	0.64324	0.161739
0.083748	0.07058	0.035976	0.43797	-0.10435	0.02412	-0.03164	0.49516	-0.04627
-0.12521	0.00675	-0.03637	0.43301	-0.08357	0.07119	-0.0337	0.46755	-0.01563
-0.06034	0.19302	0.061362	0.18559	0.021717	0.63971	-0.05916	0.20191	0.100422
-0.24839	5.36E-08	-0.22626	7.79E-07	-0.23948	1.63E-07	-0.3082	9.83E-12	-0.15059
0.137429	0.00292	0.018347	0.6925	0.180434	8.82E-05	0.003522	0.93949	0.163562
-0.06074	0.19007	0.016738	0.71828	-0.01719	0.71099	0.014495	0.75472	0.013348
-0.25645	1.90E-08	-0.06377	0.16889	-0.09317	0.04417	-0.10224	0.02715	0.011326
-0.00835	0.85721	-0.01048	0.82122	0.197218	1.76E-05	0.214019	3.06E-06	0.07893
0.071255	0.12413	0.064881	0.16157	0.087334	0.05932	0.037403	0.42001	0.057449
0.077359	0.09497	0.099141	0.03219	0.067305	0.14644	0.039108	0.39913	0.073353
0.078997	0.08815	0.169626	0.00023	0.04771	0.30355	-0.01888	0.68407	0.197558
0.062082	0.18047	0.06919	0.13544	-0.01842	0.69129	-0.03857	0.4056	0.001757
0.093843	0.04266	0.115041	0.01286	0.071289	0.12395	0.041666	0.36898	0.053052
-0.20017	1.31E-05	-0.03303	0.47642	-0.12079	0.00898	-0.078	0.09226	-0.04883
0.115712	0.01234	-0.07991	0.08454	0.021147	0.64853	-0.09736	0.03544	-0.00194
-0.03432	0.45934	-0.04869	0.29373	0.01899	0.68232	-0.03227	0.4866	0.002882
0.179991	9.18E-05	0.133657	0.00381	0.283814	4.22E-10	0.145101	0.00167	0.266354
0.058509	0.20692	0.063531	0.17049	0.213872	3.11E-06	0.13127	0.00449	0.171641
0.021822	0.63809	0.043454	0.34877	0.065275	0.15904	-0.00705	0.87918	0.021712
-0.06389	0.16805	-0.07992	0.0845	-0.1987	1.52E-05	-0.1032	0.02574	-0.202
0.280294	7.05E-10	0.23752	2.06E-07	0.256063	1.99E-08	0.145269	0.00165	0.360326
0.356432	1.95E-15	0.402453	1.31E-19	0.28898	1.96E-10	0.366555	2.68E-16	0.265453
0.104801	0.02352	-0.02031	0.66155	0.074818	0.10636	-0.01813	0.69599	0.039731
0.075181	0.10467	-0.25635	1.92E-08	0.008808	0.84943	-0.14179	0.00213	-0.05987

0.108609	0.01889	0.144978	0.00168	0.099105	0.03226	0.072983	0.11524	0.092028
0.08483	0.06701	0.097026	0.03608	0.051028	0.27112	0.111586	0.01584	0.001996
0.057276	0.21666	-0.04399	0.34286	-0.11965	0.00965	-0.11367	0.01398	-0.15723
-0.08297	0.07326	0.0658	0.1557	0.118192	0.01058	0.166788	0.00029	0.055523
-0.10555	0.02253	-0.07477	0.10658	-0.05598	0.22725	0.008903	0.84783	-0.03775
0.048658	0.29404	0.137849	0.00283	-0.09265	0.04538	0.010218	0.8257	-0.0142
0.192253	2.88E-05	0.077734	0.09337	0.221933	1.27E-06	0.077865	0.09282	0.197352
0.174747	0.00015	0.165588	0.00033	0.333321	1.40E-13	0.231277	4.34E-07	0.16195
0.000648	0.98885	-0.00395	0.93215	-0.08165	0.07796	-0.0701	0.13034	-0.0831
0.187623	4.50E-05	-0.17257	0.00018	0.116401	0.01183	0.016635	0.71993	-0.04938
0.128302	0.00549	0.062042	0.18076	0.247924	5.69E-08	0.113186	0.01439	0.17082
0.153143	0.0009	-0.03181	0.49293	0.121783	0.00843	-0.02797	0.54658	0.080046
0.119858	0.00953	0.009269	0.84166	0.033433	0.47105	0.043524	0.34799	0.067025
-0.1302	0.00483	-0.33758	6.54E-14	-0.19263	2.78E-05	-0.23436	3.02E-07	-0.18954
0.043012	0.35371	-0.08434	0.06861	0.032846	0.47889	-0.02985	0.51988	-0.04747
0.152128	0.00097	0.161374	0.00046	0.19266	2.77E-05	0.111228	0.01619	0.236884
0.127424	0.00582	0.123204	0.00769	0.136678	0.00308	0.123797	0.0074	0.129972
-0.09065	0.05027	-0.27931	8.13E-10	-0.13083	0.00463	-0.17447	0.00015	-0.17303
0.186478	5.02E-05	0.067011	0.14821	0.167311	0.00028	0.193392	2.58E-05	0.135936
-0.04301	0.35367	0.098664	0.03304	-0.1407	0.00231	-0.11569	0.01236	0.102049
0.416751	4.79E-21	0.13802	0.0028	0.348049	9.58E-15	0.209207	5.13E-06	0.276769
0.017891	0.69977	0.19291	2.70E-05	-0.07689	0.09698	0.035545	0.44348	-0.07113
0.11226	0.01522	0.07223	0.11905	0.184577	6.01E-05	0.086968	0.06039	0.23051
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0.157161	0.00065	0.138066	0.00279	0.22638	7.68E-07	0.117749	0.01088	0.193468
0.091651	0.04777	-0.02367	0.60997	0.076385	0.09921	0.034297	0.45967	0.105641
-0.03112	0.50229	0.00477	0.91813	-0.08649	0.06183	-0.11682	0.01152	-0.0392
-0.02447	0.59787	-0.04625	0.3186	0.001169	0.9799	-0.04494	0.3325	-0.01943
0.142092	0.00208	0.131944	0.00429	0.024855	0.59212	-0.05027	0.27829	0.117503
0.284422	3.86E-10	0.049834	0.28251	0.042134	0.36362	-0.0004	0.9932	0.042053
0.075212	0.10453	0.065211	0.15944	0.064147	0.16638	-0.04014	0.38677	0.076359
0.081223	0.07953	0.094306	0.04165	0.105964	0.02201	0.060326	0.19314	0.125285
0.195752	2.04E-05	0.073311	0.11362	0.077966	0.09239	0.039507	0.39432	0.116787
0.132846	0.00403	0.103676	0.02506	0.132887	0.00402	0.036162	0.43561	0.130386
-0.03342	0.4712	0.007073	0.87884	0.13503	0.00346	0.101086	0.02895	0.192295
0.014326	0.75749	0.074155	0.10951	0.221709	1.31E-06	0.170512	0.00021	0.129071
-0.08029	0.08307	-0.34834	9.08E-15	-0.1908	3.32E-05	-0.38278	9.60E-18	-0.12333
0.107038	0.02069	-0.06067	0.1906	0.020309	0.66157	-0.04494	0.33254	0.040191
0.061958	0.18134	0.206721	6.67E-06	0.087845	0.05784	0.03905	0.39982	0.249358
0.047374	0.30698	0.040314	0.38473	-0.13911	0.00259	-0.06265	0.17648	-0.01064
-0.12282	0.00788	-0.00922	0.84253	-0.00013	0.99782	0.031746	0.49374	0.085211
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0.247924	5.69E-08	0.124108	0.00725	0.076224	0.09993	0.083641	0.07095	0.082501
0.161464	0.00046	0.092978	0.04462	0.244832	8.39E-08	0.215356	2.64E-06	0.193647
0.011905	0.7975	-0.07169	0.12182	-0.02855	0.53824	-0.01354	0.77042	-0.09683

0.353	3.77E-15	0.388464	2.86E-18	0.293566	9.79E-11	0.371942	9.07E-17	0.208251
0.194724	2.26E-05	0.209587	4.93E-06	0.289295	1.87E-10	0.282308	5.26E-10	0.309845
0.224096	9.97E-07	0.362665	5.80E-16	0.330481	2.31E-13	0.412299	1.37E-20	0.224631
0.015811	0.73327	-0.07367	0.11187	-0.10718	0.02052	-0.03121	0.50103	-0.10862
0.216453	2.35E-06	0.165875	0.00032	0.229842	5.14E-07	0.126092	0.00636	0.158758
0.140243	0.00238	-0.16593	0.00032	-0.11629	0.01191	-0.12355	0.00752	-0.18991
-0.01663	0.71994	0.128184	0.00554	0.079086	0.08779	0.151137	0.00105	0.223652
-0.06499	0.16086	0.129631	0.00502	0.163449	0.00039	0.189695	3.69E-05	0.210162
0.083935	0.06996	0.138408	0.00272	0.18861	4.10E-05	0.190323	3.48E-05	0.132039
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0.021581	0.64181	-0.22325	1.10E-06	0.001916	0.96706	-0.16418	0.00037	-0.01616
-0.13715	0.00298	-0.37542	4.45E-17	-0.34383	2.10E-14	-0.45075	9.50E-25	-0.20877
0.003749	0.93561	0.1165	0.01175	0.047054	0.31026	0.105408	0.02272	0.035471
0.080204	0.08338	-0.0134	0.77268	0.080949	0.08055	0.07125	0.12416	0.091623
0.032153	0.48821	0.011769	0.79975	0.173664	0.00016	0.05456	0.23929	0.16407
-0.01743	0.70715	-0.02243	0.62871	-0.16093	0.00048	-0.11576	0.0123	-0.17318
0.282332	5.24E-10	0.033372	0.47187	0.185949	5.28E-05	0.167914	0.00027	0.104529
0.12826	0.00551	0.099197	0.0321	0.014386	0.75652	0.079444	0.08636	0.082218
0.154507	0.00081	0.395764	5.82E-19	0.0542	0.24241	0.279202	8.25E-10	0.083338
0.06605	0.15413	0.059035	0.20286	0.112441	0.01505	0.113031	0.01453	0.193419
-0.13563	0.00332	-0.22401	1.01E-06	0.02261	0.62601	-0.10349	0.02532	0.024713
0.020693	0.65558	-0.09062	0.05034	-0.22704	7.12E-07	-0.18114	8.26E-05	-0.12517
-0.07507	0.10517	0.043623	0.3469	0.076386	0.09921	0.115699	0.01235	0.146458
0.025174	0.58738	0.046521	0.31578	0.063742	0.16907	-0.01439	0.75642	0.056065
0.058183	0.20947	-0.04883	0.29235	0.009689	0.83458	0.029045	0.53124	0.000826
0.050414	0.27693	-0.05285	0.25439	-0.15731	0.00065	-0.13461	0.00356	-0.14519
-0.02894	0.53269	-0.15679	0.00067	-0.15013	0.00114	-0.30608	1.38E-11	-0.10401
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0.126957	0.00601	-0.0288	0.53468	-0.08181	0.07739	-0.08065	0.08166	-0.03315
-0.07954	0.08599	0.159409	0.00054	0.080648	0.08169	0.03753	0.41844	0.188172
0.304717	1.72E-11	0.053255	0.25073	0.282862	4.85E-10	0.154529	0.00081	0.227048
0.237591	2.05E-07	0.185748	5.38E-05	0.171686	0.00019	0.278184	9.56E-10	0.165039
0.00197	0.96613	0.14542	0.00163	0.147397	0.0014	0.174986	0.00014	0.127012
0.164526	0.00036	0.196033	1.99E-05	0.271917	2.32E-09	0.335575	9.37E-14	0.240988
-0.12692	0.00602	-0.28967	1.77E-10	-0.29858	4.52E-11	-0.40139	1.66E-19	-0.20306
0.126106	0.00636	0.153227	0.00089	-0.02724	0.55707	-0.04376	0.34542	0.012214
0.133737	0.00379	0.08592	0.06357	0.274329	1.66E-09	0.265278	5.82E-09	0.149549
0.129988	0.0049	0.074833	0.10629	0.068356	0.14023	0.041434	0.37165	0.154954
0.224901	9.10E-07	0.327175	4.11E-13	0.355341	2.41E-15	0.327248	4.06E-13	0.279011
-0.02428	0.60067	0.086707	0.06117	0.091714	0.04761	0.134299	0.00364	0.156775
0.233744	3.24E-07	0.051799	0.26393	0.091699	0.04765	0.006467	0.88915	0.133233
0.115612	0.01242	0.100596	0.02974	0.219226	1.73E-06	0.061104	0.18745	0.214058
-0.19558	2.08E-05	-0.15887	0.00057	-0.1583	0.0006	-0.05613	0.226	-0.20545
0.088542	0.05587	-0.03577	0.44065	0.005145	0.9117	-0.11074	0.01667	-0.01136
0.020704	0.65541	0.149934	0.00115	0.046929	0.31155	0.215887	2.50E-06	0.022229

-0.05259	0.25667	-0.17944	9.66E-05	-0.25177	3.48E-08	-0.27473	1.56E-09	-0.13507
0.093597	0.04321	0.017259	0.7099	0.110929	0.01648	0.107139	0.02057	0.067181
0.086238	0.06259	0.097591	0.035	-0.13216	0.00423	-0.04331	0.35038	-0.05356
0.334388	1.16E-13	0.083464	0.07155	0.300342	3.43E-11	0.15234	0.00096	0.248469
-0.12451	0.00706	0.034895	0.45187	-0.18349	6.65E-05	-0.08792	0.05762	-0.13671
0.132157	0.00423	0.128721	0.00534	-0.02902	0.53162	0.029216	0.52883	0.09664
0.104934	0.02334	0.124032	0.00728	0.242664	1.10E-07	0.288768	2.02E-10	0.195346
0.102291	0.02708	0.159613	0.00054	0.268957	3.51E-09	0.258346	1.48E-08	0.201397
0.023233	0.61651	0.077191	0.09569	0.120112	0.00937	0.068296	0.14057	0.127889
-0.11547	0.01253	-0.04542	0.32741	0.071821	0.12116	0.011082	0.81123	0.036707
-0.06114	0.18717	0.163204	0.0004	0.054117	0.24313	0.07234	0.11849	0.161494
0.061763	0.18273	0.130583	0.00471	-0.01908	0.68082	-0.02824	0.5427	-0.07735
-0.04323	0.35122	-0.02089	0.65247	-0.00245	0.95783	0.048617	0.29445	0.005188
0.008877	0.84828	-0.01883	0.68481	0.000437	0.99248	-0.0313	0.49979	-0.00045
-0.08116	0.07976	0.054104	0.24324	-0.18575	5.38E-05	-0.05632	0.22443	-0.10202
-0.01116	0.81	-0.00717	0.87722	-0.07385	0.11098	-0.08865	0.05558	-0.01793
0.240655	1.41E-07	0.213755	3.15E-06	0.288456	2.12E-10	0.191638	3.06E-05	0.170563
0.140427	0.00235	0.132377	0.00416	0.299775	3.75E-11	0.260036	1.18E-08	0.267155
-0.01247	0.78808	-0.0044	0.9245	-0.03947	0.39476	-0.03165	0.49501	-0.01799
0.057759	0.21281	-0.03633	0.4335	-0.05567	0.22982	-0.13883	0.00264	0.04327
0.128383	0.00546	-0.07729	0.09524	0.053026	0.25277	-0.12809	0.00557	0.129259
-0.04966	0.28421	-0.31512	3.17E-12	0.012823	0.78227	-0.0451	0.33078	-0.10305
-0.29198	1.25E-10	-0.09556	0.039	-0.32965	2.67E-13	-0.13378	0.00378	-0.3167
-0.2379	1.97E-07	-0.11542	0.01256	-0.22636	7.70E-07	-0.14362	0.00186	-0.25841
-0.05761	0.21397	-0.03797	0.41296	0.180445	8.81E-05	0.177825	0.00011	0.033944
-0.10893	0.01854	-0.08485	0.06696	-0.07102	0.12537	-0.05431	0.24149	-0.07059
-0.0022	0.96212	0.056977	0.21908	-0.0103	0.82424	0.023364	0.61453	-0.12635
-0.26829	3.85E-09	-0.10999	0.01742	-0.11566	0.01238	0.007001	0.88006	-0.19682
-0.20299	9.82E-06	-0.05999	0.19567	-0.17859	0.0001	-0.05709	0.21817	-0.22893
-0.1974	1.73E-05	0.024741	0.59382	-0.06663	0.15057	0.048646	0.29415	-0.1036
-0.04437	0.33869	0.066358	0.15222	-0.08236	0.07538	0.041872	0.36661	-0.11472
-0.08512	0.06607	0.044393	0.33845	0.020858	0.653	0.111161	0.01625	0.008241
-0.21131	4.10E-06	-0.10068	0.02959	-0.18611	5.20E-05	-0.11538	0.0126	-0.22387
-0.2363	2.39E-07	-0.16757	0.00028	-0.23563	2.59E-07	-0.13838	0.00273	-0.25396
0.010598	0.81932	-0.06968	0.13268	-0.25966	1.24E-08	-0.1184	0.01044	-0.20817
-0.2283	6.15E-07	-0.30775	1.06E-11	-0.30014	3.54E-11	-0.29741	5.42E-11	-0.27806
-0.17829	0.00011	-0.29335	1.01E-10	-0.22427	9.78E-07	-0.25871	1.41E-08	-0.27739
-0.08814	0.057	-0.00794	0.86419	-0.29567	7.09E-11	-0.17749	0.00012	-0.27221
-0.03392	0.46463	-0.01948	0.6745	0.111968	0.01549	0.047283	0.3079	0.081424
-0.02642	0.56902	0.099277	0.03196	-0.08174	0.07763	-0.02457	0.59643	-0.06686
-0.11173	0.01571	0.002798	0.95192	-0.01241	0.78907	0.030484	0.51108	-0.05918
-0.11057	0.01683	-0.07797	0.09236	-0.13785	0.00283	-0.12802	0.0056	-0.13386
-0.15412	0.00083	0.030224	0.5147	-0.09432	0.04161	0.024966	0.59046	-0.0868
-0.19181	3.01E-05	-0.16	0.00052	-0.11789	0.01078	-0.09546	0.0392	-0.14115
-0.13916	0.00258	-0.01691	0.71548	-0.18632	5.09E-05	-0.06971	0.1325	-0.16248

-0.25671	1.83E-08	-0.13216	0.00422	-0.22139	1.35E-06	-0.10752	0.02012	-0.22078
-0.21469	2.85E-06	0.035735	0.44106	-0.18875	4.04E-05	-0.02805	0.54545	-0.23262
-0.12499	0.00684	-0.03193	0.49126	0.008811	0.84938	0.02821	0.54312	-0.04362
-0.12075	0.009	-0.00136	0.97654	-0.01094	0.81363	0.013245	0.77529	-0.0778
-0.23164	4.16E-07	-0.23068	4.66E-07	-0.20901	5.24E-06	-0.23487	2.84E-07	-0.2364
0.003572	0.93863	-0.02291	0.62143	-0.01749	0.70615	-0.09823	0.03381	0.001698
-0.07917	0.08744	0.040099	0.38727	-0.16284	0.00041	-0.07082	0.12643	-0.14577
-0.13475	0.00353	0.048449	0.29612	-0.09389	0.04255	0.04056	0.38183	-0.16225
-0.15192	0.00099	-0.02411	0.60334	-0.07641	0.09912	0.027023	0.56021	-0.10135
-0.19291	2.70E-05	-0.05533	0.23274	-0.13318	0.00394	-0.05211	0.26104	-0.17777
-0.14295	0.00196	-0.10697	0.02077	-0.23076	4.61E-07	-0.1681	0.00026	-0.2671
-0.05791	0.2116	0.013588	0.76962	0.09203	0.04685	0.070446	0.12847	0.052529
-0.27202	2.29E-09	-0.27783	1.01E-09	-0.23784	1.99E-07	-0.2501	4.31E-08	-0.26228
-0.04217	0.36318	0.05706	0.2184	0.050059	0.28033	0.038132	0.41101	-0.00512
-0.20536	7.69E-06	-0.05913	0.20212	-0.24188	1.21E-07	-0.11835	0.01048	-0.2984
-0.21971	1.63E-06	-0.12356	0.00751	-0.1761	0.00013	-0.07892	0.08847	-0.24675
-0.06441	0.16464	-0.03123	0.50073	0.030544	0.51025	0.030229	0.51463	-0.0408
-0.19671	1.86E-05	-0.17831	0.00011	-0.11867	0.01027	-0.05536	0.23245	-0.14931
-0.12189	0.00837	0.048174	0.29886	-0.04658	0.31517	0.0293	0.52764	-0.09494
-0.1392	0.00257	-0.12977	0.00497	-0.0947	0.04079	-0.06295	0.17442	-0.17002
-0.13425	0.00365	-0.01855	0.68926	-0.20586	7.30E-06	-0.08534	0.06539	-0.26227
-0.18287	7.04E-05	-0.03829	0.40907	-0.19748	1.72E-05	-0.12113	0.00878	-0.18608
-0.28796	2.28E-10	-0.181	8.37E-05	-0.34211	2.87E-14	-0.25625	1.95E-08	-0.35371
-0.1628	0.00041	-0.05485	0.23683	-0.20941	5.02E-06	-0.17216	0.00019	-0.18164
-0.12499	0.00684	-0.05271	0.25563	-0.13405	0.00371	-0.09535	0.03942	-0.15646
-0.2215	1.34E-06	-0.0574	0.21565	-0.25429	2.51E-08	-0.09767	0.03484	-0.22578
-0.12975	0.00498	0.000526	0.99096	-0.02522	0.58665	0.052677	0.25592	-0.10649
-0.11519	0.01274	-0.04837	0.29695	-0.13888	0.00263	-0.08077	0.08122	-0.17339
-0.11905	0.01003	-0.01236	0.78987	-0.00728	0.8754	0.069627	0.13298	-0.04841
-0.10795	0.01963	0.064917	0.16134	0.077951	0.09246	0.222562	1.19E-06	0.066009
-0.15607	0.00071	-0.19346	2.56E-05	-0.15623	0.0007	-0.14434	0.00176	-0.13694
-0.26482	6.19E-09	-0.13009	0.00487	-0.29819	4.80E-11	-0.22936	5.44E-07	-0.31196
-0.21727	2.14E-06	-0.28001	7.35E-10	-0.20047	1.27E-05	-0.187	4.78E-05	-0.19524
-0.06637	0.15214	0.073991	0.11029	0.04543	0.32727	0.086165	0.06281	0.004185
-0.25195	3.40E-08	-0.12408	0.00726	-0.23145	4.25E-07	-0.13123	0.0045	-0.29436
-0.08805	0.05725	0.005493	0.90576	-0.07428	0.10892	-0.03399	0.46367	-0.14988
-0.23587	2.52E-07	-0.0488	0.29265	-0.21889	1.79E-06	-0.08669	0.06121	-0.21018
0.044327	0.33916	0.183797	6.46E-05	0.085373	0.06528	0.145136	0.00166	0.016518
0.039437	0.39517	0.115198	0.01274	0.112991	0.01456	0.0894	0.05353	0.025738
-0.22373	1.04E-06	-0.15192	0.00099	-0.24352	9.89E-08	-0.17547	0.00014	-0.27463
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-0.14416	0.00179	-0.03409	0.46239	0.012229	0.79211	0.020363	0.66073	-0.07264
-0.14434	0.00177	0.022177	0.63264	-0.21723	2.15E-06	-0.09548	0.03915	-0.14429
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-0.03491	0.45169	0.037068	0.42419	-0.30468	1.73E-11	-0.2039	8.95E-06	-0.23996



0.181697	7.85E-05	0.165119	0.00034	0.202289	1.06E-05	0.129467	0.00508	0.130259
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0.269614	3.20E-09	0.288776	2.02E-10	0.155905	0.00072	0.20666	6.71E-06	0.071079
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0.012461	0.78825	-0.0999	0.03089	-0.05761	0.21396	-0.0031	0.94669	-0.07186
-0.095	0.04017	-0.03289	0.47833	-0.08342	0.07171	-0.04137	0.3724	-0.09762
-0.17122	0.0002	-0.15	0.00115	-0.23652	2.33E-07	-0.25669	1.84E-08	-0.21166
-0.10424	0.02427	-0.14494	0.00169	-0.18336	6.73E-05	-0.23998	1.53E-07	-0.17402
0.044163	0.34096	0.127961	0.00562	0.144286	0.00177	0.075288	0.10418	0.128099
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-0.22467	9.34E-07	0.048762	0.29301	-0.25347	2.80E-08	-0.07247	0.11782	-0.24695
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0.023293	0.6156	-0.01289	0.78118	-0.09631	0.03748	-0.00948	0.83808	-0.12833
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-0.01943	0.67534	0.068142	0.14147	0.094168	0.04195	0.070677	0.12722	0.036077
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-0.08924	0.05395	-0.00268	0.95391	0.016211	0.72679	0.071179	0.12453	-0.05352
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0.166037	0.00031	0.043463	0.34867	0.120814	0.00896	0.038841	0.40235	0.06277

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-0.27402	1.73E-09	-0.20676	6.64E-06	-0.14873	0.00127	-0.06462	0.16329	-0.1939
-0.2293	5.48E-07	-0.23128	4.34E-07	-0.1718	0.00019	-0.19572	2.05E-05	-0.19664
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-0.0678	0.14351	0.001897	0.96738	-0.05882	0.20451	-0.07951	0.0861	-0.09773
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-0.1414	0.00219	0.017232	0.71033	-0.24502	8.20E-08	-0.20123	1.18E-05	-0.24446
0.15391	0.00085	0.334846	1.07E-13	0.072052	0.11997	0.190284	3.49E-05	0.012836
-0.18109	8.30E-05	-0.14728	0.00141	-0.14792	0.00135	-0.09716	0.03582	-0.19897
-0.0993	0.03192	-0.03304	0.47627	0.115675	0.01237	0.102618	0.02659	0.057563
0.081021	0.08028	0.121268	0.00871	0.004269	0.92669	0.060367	0.19284	-0.00503
0.108939	0.01853	-0.17774	0.00011	-0.01733	0.70873	-0.13445	0.0036	-0.03737
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-0.20683	6.59E-06	0.04511	0.33069	-0.06964	0.13292	0.135664	0.00331	-0.11184
-0.10954	0.01789	0.038341	0.40845	0.05216	0.26061	0.113206	0.01438	0.0212
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-0.10012	0.03053	0.022428	0.62879	0.07039	0.12877	0.099976	0.03076	0.041213
0.030085	0.51664	0.028856	0.53391	0.114961	0.01292	0.100226	0.03034	0.105014
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-0.04284	0.35562	-0.08714	0.05988	0.019891	0.66811	-0.05352	0.24841	-0.0219
-0.15923	0.00055	-0.10086	0.02931	-0.13629	0.00317	-0.1161	0.01205	-0.20038
-0.07934	0.08676	0.006259	0.89269	0.065754	0.15599	0.145461	0.00162	-0.01854
-0.1375	0.0029	-0.04128	0.3734	-0.19625	1.94E-05	-0.15189	0.00099	-0.20132
-0.15187	0.00099	-0.15036	0.00112	-0.17213	0.00019	-0.13203	0.00426	-0.17601
-0.05205	0.26165	0.118326	0.01049	-0.18214	7.53E-05	-0.12045	0.00917	-0.05628
-0.25935	1.29E-08	-0.00712	0.87812	-0.25895	1.36E-08	-0.10477	0.02355	-0.17853
-0.16497	0.00034	-0.08467	0.06754	-0.20827	5.66E-06	-0.14724	0.00142	-0.19802
-0.21242	3.64E-06	-0.06505	0.16046	-0.16012	0.00051	-0.05183	0.26362	-0.13828
0.049387	0.28685	0.009265	0.84172	-0.05729	0.21659	0.052916	0.25377	-0.13951
-0.10762	0.02001	-0.02994	0.51871	-0.03621	0.43503	0.010068	0.82822	-0.05835
-0.14812	0.00133	-0.18642	5.05E-05	-0.20664	6.73E-06	-0.25875	1.40E-08	-0.2107
-0.07215	0.11948	-0.05563	0.23015	-0.08215	0.07614	-0.1202	0.00932	-0.07805
-0.15335	0.00089	-0.03128	0.50006	-0.20681	6.60E-06	-0.13436	0.00363	-0.22708
-0.17478	0.00015	-0.1071	0.02062	-0.09052	0.05058	-0.05302	0.25282	-0.09213
-0.25526	2.22E-08	-0.13689	0.00303	-0.25703	1.76E-08	-0.18358	6.59E-05	-0.261
-0.21881	1.81E-06	-0.00909	0.84468	-0.2022	1.07E-05	-0.07694	0.09677	-0.23576
-0.20109	1.19E-05	-0.18651	5.00E-05	0.003349	0.94246	0.062276	0.17911	-0.07544
-0.02963	0.52303	-0.16173	0.00045	-0.10986	0.01755	-0.15431	0.00082	-0.10598
-0.03854	0.40602	-0.08881	0.05512	-0.05578	0.22893	-0.06899	0.1366	-0.09766
-0.27281	2.05E-09	-0.21335	3.29E-06	-0.20555	7.53E-06	-0.1196	0.00968	-0.20963

-0.04668	0.31407	0.089294	0.05381	-0.09462	0.04097	-0.07254	0.11749	-0.00315
-0.06402	0.16723	-0.09522	0.0397	0.082978	0.07322	-0.00254	0.95642	0.016212
-0.14298	0.00195	-0.11459	0.01322	-0.1332	0.00393	-0.12212	0.00824	-0.1445
-0.14607	0.00155	-0.10423	0.02429	0.010265	0.82491	0.006615	0.88663	0.013292
-0.1687	0.00025	-0.20844	5.56E-06	-0.19005	3.57E-05	-0.05867	0.20567	-0.29461
-0.13176	0.00434	-0.01046	0.82161	-0.17703	0.00012	-0.10048	0.02992	-0.18668
0.081628	0.07803	0.106799	0.02098	0.053899	0.24504	0.016758	0.71795	0.045611
-0.12315	0.00771	-0.03788	0.41408	-0.14957	0.00119	-0.13848	0.00271	-0.13722
-0.14726	0.00142	-0.1333	0.0039	-0.13687	0.00304	-0.13283	0.00403	-0.17113
-0.17866	0.0001	-0.03846	0.40701	-0.0633	0.17204	-0.03656	0.43058	-0.12881
-0.24205	1.19E-07	-0.06131	0.18595	-0.3088	8.94E-12	-0.19055	3.40E-05	-0.28729
-0.15617	0.00071	-0.03359	0.46902	-0.16774	0.00027	-0.10426	0.02425	-0.17699
-0.07963	0.08564	0.05353	0.24829	0.040294	0.38497	0.115459	0.01253	-0.00582
-0.06511	0.16009	-0.00669	0.88527	-0.11026	0.01714	-0.05363	0.24736	-0.14175
-0.1905	3.42E-05	-0.11188	0.01557	-0.11226	0.01522	-0.0487	0.29361	-0.14063
-0.19509	2.18E-05	-0.10965	0.01777	-0.20791	5.88E-06	-0.15744	0.00064	-0.21227
-0.26576	5.45E-09	-0.16383	0.00038	-0.29874	4.41E-11	-0.19224	2.88E-05	-0.30919
-0.10467	0.02369	-0.0655	0.15757	-0.02213	0.6334	-0.01724	0.71013	-0.08861
-0.00125	0.97856	0.105173	0.02302	-0.10985	0.01757	-0.07433	0.10865	-0.02234
-0.06305	0.17373	-0.07388	0.11082	-0.06199	0.18115	-0.07911	0.08771	-0.04434
-0.13508	0.00345	-0.03919	0.39819	-0.13023	0.00482	-0.06367	0.16955	-0.10357
-0.31099	6.25E-12	-0.16398	0.00037	-0.34902	7.99E-15	-0.23219	3.90E-07	-0.36356
-0.16671	0.0003	-0.09397	0.04239	-0.13963	0.00249	-0.10451	0.02391	-0.20157
-0.14826	0.00131	-0.03826	0.40937	-0.08555	0.06473	-0.02969	0.5222	-0.06066
-0.00115	0.9803	0.047871	0.30192	0.039863	0.39007	0.064338	0.16512	-0.00716
-0.24677	6.58E-08	-0.22728	6.92E-07	-0.27641	1.23E-09	-0.24154	1.26E-07	-0.34644
-0.29506	7.79E-11	-0.11029	0.01711	-0.3186	1.77E-12	-0.11221	0.01526	-0.30287
-0.07278	0.11628	0.09699	0.03615	0.049204	0.28864	0.132979	0.00399	-0.01202
-0.08631	0.06238	-0.06339	0.17144	0.088018	0.05734	0.073223	0.11405	0.046919
0.129702	0.005	0.198644	1.53E-05	-0.14012	0.00241	-0.09787	0.03448	-0.0176
-0.13975	0.00247	-0.02005	0.66565	-0.13782	0.00284	-0.07768	0.0936	-0.18152
-0.11564	0.0124	0.006579	0.88724	-0.12613	0.00635	-0.02439	0.59912	-0.1885
-0.14715	0.00143	-0.05092	0.27216	-0.08574	0.06414	-0.02607	0.57412	-0.12783
-0.13143	0.00444	-0.01899	0.68228	-0.05657	0.22241	-0.02405	0.60416	-0.07515
-0.10935	0.01809	0.005214	0.91053	-0.03204	0.4898	0.018025	0.69763	-0.06755
-0.04947	0.28602	0.050378	0.27728	-0.02311	0.61839	-0.02215	0.63306	-0.05234
-0.21476	2.82E-06	-0.16113	0.00047	-0.27608	1.29E-09	-0.19034	3.47E-05	-0.26013
-0.1156	0.01242	0.000644	0.98892	-0.10781	0.01979	-0.06318	0.17285	-0.14202
-0.32061	1.27E-12	-0.22055	1.49E-06	-0.3738	6.21E-17	-0.26328	7.63E-09	-0.33986
-0.09434	0.04157	0.067984	0.1424	-0.03357	0.46922	-0.00568	0.9026	-0.03998
-0.18021	9.00E-05	-0.16109	0.00047	-0.0822	0.07597	-0.09037	0.05097	-0.12974
-0.09036	0.051	-0.05085	0.27282	-0.16568	0.00032	-0.16807	0.00026	-0.12105
-0.07551	0.10315	0.031977	0.49059	0.04636	0.31745	0.117897	0.01078	0.003987
-0.12965	0.00501	-0.04202	0.36494	-0.26763	4.22E-09	-0.15888	0.00057	-0.23812
-0.15999	0.00052	0.025059	0.58908	-0.12522	0.00674	-0.02814	0.54411	-0.1332

-0.12923	0.00516	-0.0488	0.29262	-0.13249	0.00413	-0.11617	0.012	-0.12405
-0.26302	7.90E-09	-0.12378	0.00741	-0.09	0.05195	0.019979	0.66673	-0.12392
-0.00648	0.88885	0.025174	0.58738	0.174409	0.00015	0.160181	0.00051	0.092538
-0.02329	0.61564	0.096914	0.03629	0.038428	0.40738	0.073804	0.1112	-0.03411
-0.24369	9.68E-08	-0.11959	0.00969	-0.26624	5.10E-09	-0.17575	0.00013	-0.2721
-0.11792	0.01076	0.002767	0.95244	-0.06067	0.19063	0.016183	0.72724	-0.06668
-0.14161	0.00216	0.041621	0.36949	-0.12154	0.00856	0.010643	0.81857	-0.11751
-0.16795	0.00027	-0.12909	0.00521	-0.2166	2.31E-06	-0.16591	0.00032	-0.21831
-0.04624	0.31874	0.049183	0.28885	-0.05322	0.25105	-0.00585	0.89962	-0.07605
-0.12632	0.00627	-0.03244	0.48436	-0.09343	0.04359	-0.02669	0.56505	-0.09476
-0.02249	0.62784	-0.02453	0.59693	0.064921	0.16131	-0.02541	0.58382	0.044763
-0.20034	1.29E-05	-0.25484	2.34E-08	-0.21686	2.24E-06	-0.11631	0.01189	-0.21526
-0.03301	0.47671	0.067862	0.14312	0.087732	0.05816	0.112151	0.01532	0.032304
-0.0483	0.29762	0.065711	0.15626	0.108495	0.01901	0.132823	0.00404	0.071133
-0.23069	4.65E-07	-0.0674	0.14587	-0.16403	0.00037	-0.03245	0.48419	-0.15952
-0.0005	0.99148	0.054958	0.23587	0.058021	0.21074	0.066122	0.15368	0.018061
-0.19665	1.87E-05	-0.11404	0.01367	-0.16919	0.00024	-0.10336	0.0255	-0.19749
-0.18145	8.03E-05	-0.15543	0.00075	-0.31808	1.94E-12	-0.30538	1.55E-11	-0.24769
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-0.23703	2.19E-07	-0.05609	0.22637	-0.10154	0.02822	-0.01035	0.82343	-0.0838
-0.26781	4.11E-09	-0.20787	5.91E-06	-0.29067	1.52E-10	-0.22359	1.06E-06	-0.31154
-0.14784	0.00136	-0.03018	0.51531	-0.07521	0.10455	-0.08066	0.08165	-0.1095
-0.00428	0.92646	0.104287	0.02421	-0.07708	0.09619	-0.08022	0.08331	-0.03277
-0.03852	0.4063	0.074165	0.10946	0.003799	0.93475	-0.02502	0.58967	0.075676
-0.20308	9.74E-06	-0.1772	0.00012	-0.09591	0.03827	-0.12709	0.00595	-0.10164
-0.19968	1.38E-05	-0.08531	0.06549	-0.1971	1.79E-05	-0.08213	0.07623	-0.21635
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0.024219	0.60164	0.061847	0.18213	0.006135	0.8948	0.00325	0.94416	0.001239
0.034461	0.45753	0.033236	0.47368	0.096285	0.03753	0.075412	0.10361	0.077651
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-0.06018	0.19421	0.011309	0.80744	0.010002	0.82932	0.010271	0.8248	0.014974
-0.03566	0.44205	-0.02441	0.59882	0.089863	0.0523	0.10257	0.02666	0.043927
0.011338	0.80695	0.054614	0.23883	0.052952	0.25344	0.02007	0.6653	0.031474
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-0.03136	0.49907	-0.03016	0.51556	0.103736	0.02497	0.067517	0.14517	0.129096
0.027492	0.55343	0.056481	0.22312	0.050305	0.27798	0.034628	0.45535	0.022083
0.00805	0.86227	-0.01768	0.70312	0.200504	1.27E-05	0.083979	0.06981	0.187871
0.006838	0.88284	-0.03199	0.49039	0.093395	0.04366	0.011278	0.80795	0.139188
0.073795	0.11125	0.106047	0.0219	0.072959	0.11536	0.036879	0.42656	0.058314
0.03742	0.4198	0.11188	0.01557	0.006475	0.88901	0.003158	0.94573	0.014455
0.031348	0.49917	0.063805	0.16865	0.126589	0.00616	0.075618	0.10266	0.149007
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-0.00365	0.93726	0.138211	0.00276	0.023445	0.61331	0.037481	0.41904	0.015988
-0.00671	0.88507	0.007828	0.86602	0.041834	0.36705	-0.01473	0.75084	0.034347
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0.018479	0.6904	-0.00078	0.98652	-0.01306	0.77836	-0.01842	0.69143	-0.02437
0.04982	0.28264	0.095179	0.03978	0.058883	0.20402	0.052623	0.2564	-0.0025
0.09907	0.03232	0.12678	0.00608	0.089288	0.05383	0.081692	0.0778	0.029211
0.058806	0.20462	0.067927	0.14274	0.084464	0.0682	0.074571	0.10752	0.045289
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0.031657	0.49496	0.076047	0.10072	0.086709	0.06116	0.061576	0.18406	0.045849
0.105604	0.02247	0.159941	0.00052	0.173812	0.00016	0.132014	0.00427	0.192847
0.043318	0.35029	0.086384	0.06215	0.067253	0.14675	0.03942	0.39537	0.05492
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0.02866	0.5367	0.039832	0.39045	-0.01339	0.77287	-0.0039	0.93307	-0.03208
0.068275	0.1407	0.056386	0.22391	0.08115	0.0798	0.035076	0.44953	0.054769
0.018739	0.68629	0.005075	0.91291	0.025868	0.57711	0.003135	0.94613	-0.0135
0.057497	0.2149	0.071237	0.12423	0.065609	0.1569	0.045466	0.32689	0.03396
0.024673	0.59484	0.023874	0.60682	0.038835	0.40242	0.005147	0.91167	0.018028
0.105737	0.0223	0.131768	0.00434	0.000702	0.98792	0.025805	0.57803	0.007981
0.06738	0.14599	0.084051	0.06957	0.055997	0.22712	0.048328	0.29733	0.00603
0.109447	0.01798	0.101225	0.02872	0.005789	0.90072	0.043349	0.34994	-0.02701
0.047127	0.30951	0.058339	0.20825	0.029879	0.5195	0.023909	0.60629	-0.0136
0.025054	0.58916	0.029811	0.52047	0.047942	0.3012	0.029027	0.53149	0.030438
0.066779	0.14963	0.052137	0.26083	0.040191	0.38619	0.03069	0.50823	0.017642
0.076312	0.09954	0.078844	0.08877	0.107246	0.02044	0.0722	0.11921	0.047773
0.028654	0.53678	0.079351	0.08673	0.098711	0.03295	0.045378	0.32782	0.067301
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-0.06598	0.15457	-0.09021	0.05139	-0.00634	0.89132	-0.04089	0.37793	0.064307
0.10297	0.02607	0.174273	0.00015	0.173333	0.00017	0.122641	0.00797	0.14493
0.004415	0.92418	0.030054	0.51706	0.044116	0.34147	0.005178	0.91114	0.008843
0.048633	0.29428	0.091879	0.04721	0.084884	0.06684	0.080806	0.08109	0.026229
0.005677	0.90263	0.04325	0.35104	0.066426	0.15179	0.048058	0.30003	0.016769
0.044853	0.33346	0.085928	0.06354	0.094192	0.04189	0.086382	0.06215	0.035189
0.009418	0.83914	0.033551	0.46949	0.111012	0.0164	0.033978	0.46385	0.086341
0.06824	0.1409	0.089651	0.05286	0.120556	0.00911	0.078734	0.08922	0.075996
-0.06119	0.18686	-0.0723	0.1187	-0.04871	0.29353	-0.10795	0.01963	-0.02053
0.105379	0.02276	0.134037	0.00371	0.102483	0.02679	0.079106	0.08771	0.046062
-0.01609	0.72873	-0.00132	0.97732	-0.02174	0.63937	-0.02288	0.62181	-0.01287
0.050833	0.27296	0.040592	0.38146	0.080996	0.08037	0.028264	0.54234	0.078393
0.026594	0.56646	0.051806	0.26387	0.108171	0.01938	0.048598	0.29463	0.099608
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-0.11445	0.01333	-0.25283	3.04E-08	0.054626	0.23872	-0.08716	0.05982	-0.00935
0.163382	0.00039	0.158234	0.0006	0.212769	3.50E-06	0.079953	0.08436	0.192415
0.028223	0.54293	-0.00072	0.98754	0.131199	0.00451	0.043627	0.34686	0.157492
0.047737	0.30328	0.146023	0.00156	0.056441	0.22345	0.045133	0.33045	0.063957
-0.08838	0.05633	-0.09889	0.03264	0.211233	4.13E-06	0.166551	0.0003	0.173997
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-0.162	0.00044	-0.07119	0.12446	-0.04126	0.37365	-0.0082	0.85977	-0.09733
-0.22825	6.18E-07	-0.07722	0.09555	-0.06906	0.13616	0.041992	0.36524	-0.14318
0.030594	0.50956	0.012896	0.78105	0.141812	0.00213	0.05698	0.21906	0.07122
-0.19862	1.53E-05	-0.07573	0.10215	-0.03164	0.4952	0.052933	0.2536	-0.04962
-0.05478	0.23738	-0.09671	0.03669	-0.03818	0.41037	-0.09293	0.04474	-0.08326
0.048989	0.29076	0.130151	0.00485	0.048417	0.29643	0.03469	0.45454	0.067328
-0.01819	0.695	-0.04343	0.34902	0.01333	0.77387	-0.04321	0.35148	-0.05818
0.011253	0.80836	0.013434	0.77217	0.163846	0.00038	0.123047	0.00777	0.077322
-0.04705	0.31033	0.096969	0.03619	0.062053	0.18068	0.089009	0.05458	0.037591
-0.00491	0.91578	0.044903	0.33292	0.127353	0.00585	0.094231	0.04181	0.091281
-0.0341	0.4622	0.019904	0.66792	0.074207	0.10926	0.049113	0.28954	-0.00093
-0.08389	0.07011	0.031201	0.50119	0.050535	0.27579	0.175082	0.00014	0.026216
0.057017	0.21876	0.132127	0.00423	0.156623	0.00068	0.095415	0.03929	0.184678
-0.03299	0.47691	-0.07295	0.1154	0.043823	0.34469	-0.02539	0.58415	0.04574
-0.03355	0.4695	-0.04504	0.33145	0.036842	0.42702	0.093687	0.04301	-0.06686
0.047771	0.30293	0.122094	0.00826	0.092317	0.04616	0.058984	0.20325	0.047021
-0.0956	0.0389	-0.1049	0.02338	0.101598	0.02814	-0.0078	0.86642	0.070994
0.021057	0.64992	0.120624	0.00907	0.038464	0.40693	0.041293	0.37329	0.015804
0.029686	0.52221	0.063025	0.17393	0.20536	7.69E-06	0.081698	0.07778	0.165421
-0.03463	0.45537	-0.13098	0.00458	0.094526	0.04117	-0.01198	0.79625	0.051877
0.078971	0.08826	-0.08994	0.05209	0.137078	0.00299	-0.05523	0.23355	0.107341
-0.14955	0.00119	-0.05514	0.23436	-0.06025	0.19367	-0.02701	0.56044	-0.09969
0.048303	0.29758	0.101952	0.02759	0.163291	0.0004	0.023937	0.60588	0.12894
-0.02679	0.56355	0.001825	0.96863	-0.0176	0.70437	-0.09515	0.03985	0.060723
0.015461	0.73895	-0.00844	0.85561	0.045424	0.32733	0.037837	0.41463	-0.00992
-0.05235	0.25887	-0.06846	0.13965	-0.0818	0.07742	-0.02885	0.53401	-0.14231
-0.04017	0.38649	0.00457	0.92154	0.212581	3.57E-06	0.12521	0.00674	0.243862
-0.03334	0.47232	0.047134	0.30943	0.068056	0.14198	0.046579	0.31517	0.018413
-0.01466	0.75202	-0.01628	0.7256	0.206023	7.17E-06	0.16325	0.0004	0.143057
0.003704	0.93637	0.032782	0.47974	0.167754	0.00027	0.103047	0.02596	0.101502
-0.11208	0.01538	-0.09073	0.05007	-0.06592	0.15495	-0.03683	0.42716	-0.12912
-0.08605	0.06315	-0.08006	0.08393	0.040517	0.38234	0.002534	0.95644	-0.05974
-0.00527	0.90964	0.107944	0.01963	0.2273	6.91E-07	0.221005	1.41E-06	0.165172
0.073127	0.11453	0.102783	0.02634	0.221464	1.34E-06	0.082352	0.07542	0.211495
0.013271	0.77485	0.005913	0.89859	0.158844	0.00057	0.049977	0.28113	0.124215
0.032254	0.48685	0.176665	0.00012	0.116533	0.01173	0.131093	0.00455	0.055868
0.029133	0.53	-0.10752	0.02012	-0.01011	0.82756	0.044576	0.33645	-0.07136
-0.04964	0.28436	0.115638	0.0124	0.05922	0.20144	0.09331	0.04386	0.051732
-0.04049	0.3827	0.029734	0.52154	0.117816	0.01083	0.071693	0.12183	0.140112
0.004782	0.91792	0.150989	0.00106	0.157587	0.00063	0.189041	3.93E-05	0.118602
-0.01386	0.76523	0.045706	0.32434	0.035271	0.44701	0.025223	0.58665	0.071576
0.086562	0.06161	0.090757	0.04999	0.187371	4.61E-05	0.084355	0.06856	0.149236
0.01661	0.72034	0.008828	0.8491	0.195444	2.11E-05	0.092655	0.04537	0.167628
0.222906	1.14E-06	0.15173	0.001	0.313474	4.16E-12	0.197138	1.78E-05	0.233087
-0.07138	0.12349	0.107308	0.02037	-0.01788	0.69996	0.081932	0.07693	-0.02978

-0.20681	6.61E-06	-0.06678	0.14961	-0.06819	0.1412	-0.02107	0.64974	-0.10957
0.010521	0.82061	-0.12422	0.0072	0.137575	0.00289	-0.00651	0.88849	0.117537
-0.11383	0.01385	-0.1054	0.02273	-0.06498	0.16095	-0.06776	0.14374	-0.07263
-0.11348	0.01414	-0.11281	0.01473	0.092047	0.04681	0.021122	0.64891	0.041381
0.06802	0.14219	0.197545	1.71E-05	0.202443	1.04E-05	0.128935	0.00526	0.145469
0.020972	0.65124	0.15325	0.00089	0.103684	0.02505	0.135066	0.00345	0.024635
0.145751	0.00159	-0.00103	0.9823	0.130902	0.00461	0.122071	0.00827	-0.02168
0.153979	0.00084	0.232395	3.81E-07	0.189032	3.94E-05	0.125172	0.00676	0.124243
0.119539	0.00972	0.234499	2.97E-07	0.175835	0.00013	0.151566	0.00102	0.123594
0.012004	0.79585	0.121907	0.00836	0.168566	0.00025	0.133601	0.00382	0.138904
0.054861	0.2367	0.090993	0.04939	0.239833	1.56E-07	0.155618	0.00074	0.1421
0.092252	0.04632	-0.01593	0.73129	0.390419	1.87E-18	0.319283	1.58E-12	0.233774
0.001965	0.96622	-0.04788	0.30183	0.146429	0.00151	0.099876	0.03093	0.147767
0.061853	0.18209	-0.04157	0.37008	0.206907	6.54E-06	0.09757	0.03504	0.154247
-0.32229	9.51E-13	-0.31413	3.74E-12	-0.17528	0.00014	-0.24724	6.20E-08	-0.0321
-0.00668	0.88559	0.076656	0.09801	0.022014	0.63514	0.008365	0.85693	0.029479
-0.03946	0.39492	-0.10118	0.02879	0.253373	2.83E-08	0.144686	0.00172	0.158598
-0.076	0.10092	-0.1399	0.00244	0.098249	0.03379	-0.04403	0.34246	0.030363
0.050658	0.27461	-0.02957	0.52377	0.237905	1.97E-07	0.073643	0.11198	0.207916
-0.21944	1.69E-06	-0.12279	0.0079	-0.01941	0.67564	0.001541	0.97351	-0.09344
0.064496	0.16408	0.111451	0.01597	0.225472	8.52E-07	0.232963	3.56E-07	0.198841
-0.0664	0.15193	-0.16832	0.00026	0.078168	0.09155	-0.12988	0.00494	0.080608
-0.07675	0.09762	-0.22542	8.57E-07	-0.004	0.93134	-0.14138	0.0022	0.001392
-0.02604	0.57458	0.147858	0.00135	0.217937	1.99E-06	0.266243	5.10E-09	0.157066
-0.05826	0.20883	0.051424	0.26741	0.137757	0.00285	0.169341	0.00024	0.059219
0.08032	0.08294	0.144102	0.0018	0.31091	6.34E-12	0.260914	1.05E-08	0.254755
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0.056698	0.22135	0.111843	0.0156	0.169916	0.00023	0.114418	0.01336	0.080529
0.124595	0.00702	0.27831	9.39E-10	0.176165	0.00013	0.157079	0.00066	0.106188
-0.13606	0.00322	-0.10619	0.02173	-0.04733	0.30745	-0.10552	0.02257	-0.07778
-0.03916	0.39848	0.014328	0.75747	0.209742	4.85E-06	0.238469	1.84E-07	0.090107
-0.29081	1.49E-10	-0.24071	1.40E-07	-0.14177	0.00213	-0.099	0.03244	-0.17237
-0.05795	0.21128	-0.00796	0.86385	0.017374	0.70805	0.018391	0.69181	0.028292
0.037445	0.41949	0.051076	0.27067	0.101441	0.02838	0.005638	0.90329	0.100544
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0.143472	0.00188	0.175119	0.00014	0.283751	4.26E-10	0.135149	0.00343	0.217154
0.03692	0.42604	0.080542	0.08209	0.229405	5.41E-07	0.179591	9.53E-05	0.161756
-0.16958	0.00023	-0.09713	0.03587	0.005038	0.91353	0.074184	0.10937	-0.0443
-0.14564	0.0016	-0.0566	0.22218	0.028261	0.54238	0.102315	0.02704	0.003237
0.1317	0.00436	0.253346	2.84E-08	0.299448	3.95E-11	0.266277	5.07E-09	0.234774
-0.11583	0.01225	0.032715	0.48065	-0.01782	0.7009	0.130468	0.00474	-0.08121
-0.03387	0.46526	0.023152	0.61774	0.128591	0.00539	0.147388	0.0014	0.028792
-0.01579	0.73356	0.068725	0.13809	0.259719	1.23E-08	0.187934	4.37E-05	0.237905
-0.07297	0.11529	-0.03926	0.39732	0.151165	0.00105	0.045741	0.32397	0.183963
-0.03628	0.43405	0.029404	0.52617	0.215064	2.73E-06	0.20327	9.55E-06	0.151878

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-0.04083	0.37871	0.063855	0.16832	0.106398	0.02147	0.108018	0.01955	0.068095
-0.04232	0.36146	-0.0381	0.41135	0.253344	2.84E-08	0.179945	9.22E-05	0.224622
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-0.20228	1.06E-05	-0.30172	2.77E-11	-0.02257	0.62657	-0.19432	2.35E-05	-0.02613
-0.12793	0.00563	-0.035	0.45054	0.038303	0.40891	0.05796	0.21122	-0.00844
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0.065737	0.1561	-0.15524	0.00076	0.102638	0.02656	-0.11579	0.01228	0.045942
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-0.0049	0.91581	0.021364	0.64515	0.059998	0.19558	0.055194	0.23387	0.038471
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0.049435	0.28638	-0.01448	0.7549	0.121584	0.00853	0.041592	0.36983	0.054239
0.09069	0.05016	0.039173	0.39834	0.208181	5.72E-06	0.10899	0.01847	0.140991
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0.042791	0.35618	0.080486	0.0823	0.099815	0.03104	0.029018	0.53161	0.057056
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0.032221	0.4873	0.07611	0.10044	0.0844	0.06841	0.028226	0.54288	0.126548
0.029624	0.52308	-0.25641	1.91E-08	0.013353	0.7735	-0.18561	5.45E-05	-0.10934
0.209602	4.92E-06	0.218305	1.91E-06	0.400615	1.98E-19	0.226435	7.63E-07	0.363288
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0.058107	0.21006	0.059635	0.1983	-0.02466	0.59507	-0.04629	0.31821	0.015049
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-0.06371	0.1693	-0.05244	0.25804	0.078565	0.08991	0.050129	0.27967	0.032669
-0.02157	0.64198	0.007022	0.8797	0.220326	1.53E-06	0.146446	0.00151	0.177643
-0.02348	0.61281	0.033899	0.46489	0.193363	2.59E-05	0.172666	0.00018	0.172221
0.179261	9.82E-05	0.220476	1.50E-06	0.299641	3.83E-11	0.308689	9.09E-12	0.19271
-0.10171	0.02797	-0.02941	0.52614	0.066877	0.14903	0.108744	0.01874	0.032036
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0.266288	5.07E-09	0.350218	6.38E-15	0.438432	2.33E-23	0.395523	6.14E-19	0.282208
0.016878	0.71601	0.006795	0.88357	0.099046	0.03236	0.049971	0.28119	0.027005
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0.251528	3.59E-08	0.146448	0.00151	0.338479	5.56E-14	0.182035	7.61E-05	0.366709
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0.104445	0.024	0.077513	0.09431	0.227208	6.98E-07	0.127719	0.00571	0.123454
0.156261	0.0007	0.067112	0.1476	0.234383	3.01E-07	0.125371	0.00667	0.174092
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-0.08944	0.05341	-0.15831	0.0006	-0.05716	0.21758	-0.18016	9.04E-05	-0.01394
0.15708	0.00066	0.212153	3.74E-06	0.298981	4.25E-11	0.13857	0.00269	0.221868
0.055895	0.22797	0.152404	0.00095	0.205468	7.60E-06	0.170416	0.00022	0.132487
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0.055766	0.22905	0.038713	0.40391	0.080735	0.08136	0.126687	0.00612	-0.02135
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0.031315	0.49963	0.13316	0.00394	0.205916	7.25E-06	0.181794	7.78E-05	0.162821
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0.073486	0.11275	0.052899	0.25392	0.145559	0.00161	0.064067	0.16691	0.067872
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0.043332	0.35013	0.221223	1.38E-06	0.230362	4.84E-07	0.193891	2.46E-05	0.225441
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0.263705	7.20E-09	0.22742	6.81E-07	0.19227	2.88E-05	0.164247	0.00037	0.173039
-0.0265	0.56783	-0.08372	0.07068	-0.02166	0.64064	-0.08114	0.07985	0.022838
0.139463	0.00252	0.238931	1.74E-07	0.164313	0.00036	0.23835	1.87E-07	0.101027
0.105365	0.02277	0.168485	0.00025	0.254132	2.56E-08	0.191099	3.22E-05	0.224559
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-0.10163	0.02809	-0.04296	0.35431	-0.0843	0.06875	-0.04746	0.3061	-0.0129
-0.01764	0.70374	0.077376	0.09489	0.183012	6.95E-05	0.159724	0.00053	0.151748
-0.07355	0.11245	-0.17467	0.00015	0.14491	0.00169	0.009611	0.83589	0.08849
0.119333	0.00985	0.108824	0.01865	0.248751	5.12E-08	0.076065	0.10064	0.218819
-0.27403	1.73E-09	-0.16089	0.00048	-0.13557	0.00333	-0.11061	0.01679	-0.11236
-0.11505	0.01286	-0.07859	0.08982	-0.04309	0.35286	-0.11292	0.01463	-0.03435
0.118267	0.01053	0.174364	0.00015	0.146466	0.0015	0.156432	0.00069	0.154239
0.029022	0.53157	0.117877	0.01079	0.186646	4.94E-05	0.139388	0.00254	0.125525
-0.09308	0.04439	-0.11037	0.01703	0.222945	1.14E-06	0.166529	0.0003	0.182873
-0.03747	0.41918	-0.15713	0.00066	0.000362	0.99377	-0.18604	5.24E-05	0.041699
-0.23574	2.56E-07	-0.17687	0.00012	-0.03066	0.50862	-0.04686	0.31229	-0.0645
-0.22483	9.17E-07	-0.08819	0.05685	-0.03075	0.50741	0.048566	0.29495	-0.05476
-0.07548	0.10331	-0.12777	0.00569	0.117152	0.01129	-0.00654	0.88783	0.102935
-0.01039	0.82289	0.017572	0.70488	0.158562	0.00058	0.156063	0.00071	0.066489
0.008111	0.86123	0.013662	0.76841	0.274494	1.62E-09	0.189939	3.61E-05	0.166166
0.183262	6.79E-05	0.195607	2.07E-05	0.389506	2.28E-18	0.382624	9.92E-18	0.268668
0.069216	0.13529	0.065599	0.15697	0.303279	2.16E-11	0.212179	3.73E-06	0.196041
0.014946	0.74734	-0.02867	0.53661	0.192015	2.95E-05	0.118667	0.01027	0.171307
0.016188	0.72715	-0.08696	0.06041	0.064971	0.16099	0.066433	0.15175	0.029728
-0.13325	0.00392	-0.1092	0.01825	0.092931	0.04473	0.119915	0.00949	-0.03411
0.115525	0.01248	0.201927	1.10E-05	0.290143	1.65E-10	0.304337	1.83E-11	0.182984

-0.03441	0.45819	0.059306	0.20079	0.246228	7.05E-08	0.230109	4.98E-07	0.18862
-0.16715	0.00029	0.012065	0.79483	0.147742	0.00137	0.230896	4.54E-07	0.108465
0.05713	0.21784	0.162952	0.00041	0.286572	2.81E-10	0.253779	2.69E-08	0.209966
-0.08851	0.05597	-0.02407	0.60389	0.031232	0.50077	0.002017	0.96532	-0.02246
-0.01848	0.69036	-0.00909	0.84466	0.249341	4.75E-08	0.096435	0.03723	0.20426
-0.05013	0.27966	-0.04468	0.33529	-0.03193	0.49125	-0.10038	0.0301	-0.04477
-0.03554	0.44357	-0.11076	0.01664	0.040039	0.38799	-0.09239	0.04599	0.036082
-0.05152	0.26654	-0.04981	0.28276	0.034597	0.45575	-0.03087	0.50576	0.079229
-0.13039	0.00477	-0.0751	0.10506	0.050891	0.27241	0.007885	0.86505	-0.0008
-0.08217	0.07609	0.006059	0.89611	0.150725	0.00109	0.133174	0.00394	0.06422
0.019398	0.67587	-0.21349	3.24E-06	0.107711	0.0199	-0.08109	0.08003	0.045913
-0.0507	0.27424	-0.14763	0.00138	0.079689	0.0854	0.085029	0.06637	0.037249
-0.12988	0.00494	-0.18857	4.12E-05	0.05849	0.20707	-0.02025	0.66252	-0.01734
-0.06288	0.17492	0.02527	0.58596	0.14502	0.00168	0.102538	0.02671	0.132756
-0.02812	0.54435	-0.17009	0.00022	0.006412	0.89009	-0.07506	0.10521	-0.07352
0.153442	0.00088	0.273542	1.85E-09	0.294391	8.63E-11	0.227841	6.49E-07	0.275145
0.05311	0.25202	-0.03626	0.43439	0.154255	0.00082	0.054556	0.23932	0.092104
-0.00179	0.96916	0.146666	0.00148	0.238502	1.83E-07	0.265582	5.58E-09	0.126941
0.147864	0.00135	0.118056	0.01067	0.28879	2.02E-10	0.212454	3.62E-06	0.2043
0.037212	0.42238	0.011187	0.80947	0.234973	2.80E-07	0.195115	2.18E-05	0.113567
-0.03556	0.44329	0.092107	0.04666	-0.00823	0.85916	0.074732	0.10677	-0.02568
-0.12693	0.00602	-0.17986	9.30E-05	-0.0265	0.56786	-0.16752	0.00028	-0.10364
0.167057	0.00029	0.16169	0.00045	0.44436	5.08E-24	0.307488	1.10E-11	0.377298
-0.12774	0.0057	-0.18762	4.51E-05	0.007161	0.87734	-0.10328	0.02563	-0.00514
0.056827	0.22029	0.092966	0.04465	0.183144	6.87E-05	0.082679	0.07427	0.164029
0.095556	0.039	0.139345	0.00255	0.286613	2.79E-10	0.172527	0.00018	0.272745
0.081441	0.07872	0.005407	0.90723	0.342833	2.52E-14	0.289161	1.91E-10	0.214783
-0.13251	0.00412	-0.07019	0.12986	0.009338	0.8405	0.052282	0.2595	-0.0318
0.206098	7.12E-06	0.056355	0.22416	0.217936	1.99E-06	0.132216	0.00421	0.122982
0.108744	0.01874	0.016247	0.7262	0.232148	3.92E-07	0.160344	0.0005	0.217447
0.065745	0.15605	0.066538	0.15111	0.220003	1.58E-06	0.152288	0.00096	0.165438
0.042021	0.36491	0.05684	0.22019	0.193767	2.49E-05	0.07122	0.12432	0.166836
-0.05467	0.2383	-0.11908	0.01001	0.258835	1.38E-08	0.159977	0.00052	0.188795
-0.13395	0.00373	-0.09822	0.03385	0.014518	0.75435	0.033898	0.46491	-0.02238
-0.11246	0.01504	-0.16001	0.00052	0.143096	0.00194	-0.0017	0.9708	0.081487
-0.12533	0.00669	-0.12978	0.00497	0.070672	0.12725	0.043931	0.3435	0.078658
0.076375	0.09926	0.162445	0.00042	0.293946	9.24E-11	0.306839	1.22E-11	0.231015
0.072325	0.11857	0.232934	3.57E-07	0.126042	0.00638	0.17307	0.00017	0.088382
-0.04599	0.32133	-0.07768	0.0936	0.038621	0.40503	0.014314	0.75769	0.019968
0.078234	0.09127	0.000875	0.98495	0.046411	0.31692	-0.00525	0.90996	0.048202
-0.09491	0.04035	0.022226	0.63188	0.181601	7.92E-05	0.192	2.95E-05	0.105066
-0.04512	0.33059	-0.02783	0.54857	0.084248	0.06891	0.017185	0.71109	0.033937
-0.04144	0.37161	0.035332	0.44622	0.079523	0.08605	0.021156	0.64838	0.000429
0.031104	0.50253	-0.09392	0.04248	0.03127	0.50024	-0.07295	0.11541	-0.018
-0.13892	0.00262	-0.06121	0.18665	0.134802	0.00352	0.164304	0.00036	0.032132

-0.19946	1.41E-05	-0.22995	5.08E-07	-0.05944	0.1998	-0.12608	0.00637	-0.07673
-0.04436	0.33878	-0.05081	0.27316	0.053807	0.24584	-0.02178	0.63873	0.064212
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-0.04415	0.34106	-0.04568	0.32458	0.055229	0.23357	-0.02301	0.61995	0.102314
0.014707	0.75125	-0.05	0.28095	-0.05348	0.2487	-0.08439	0.06845	-0.05468
-0.02474	0.59387	-0.00904	0.84549	-0.00599	0.89723	-0.01134	0.80685	-0.02206
0.02104	0.65017	0.063164	0.17298	0.014504	0.75457	0.112599	0.01491	0.011929
-0.02965	0.52266	-0.03135	0.49913	-0.04419	0.34062	-0.02929	0.52779	-0.03275
-0.01766	0.70348	0.020954	0.65152	0.00472	0.91897	0.014822	0.74938	0.040962
-0.04387	0.34421	-0.03987	0.39002	0.024474	0.59781	-0.00331	0.94308	0.020129
-0.02276	0.62376	0.011335	0.80699	-0.02651	0.56773	0.016981	0.71436	-0.01707
-0.02189	0.63707	0.005953	0.89791	0.00295	0.94931	0.086877	0.06066	-0.01786
0.040249	0.3855	-0.00262	0.95491	0.092668	0.04534	0.012365	0.78985	0.092248
0.004369	0.92498	-0.04538	0.32776	-0.04164	0.36932	-0.01643	0.72328	-0.07398
-0.03628	0.43413	-0.04636	0.31749	-0.00752	0.87124	-0.0197	0.6711	-0.01343
-0.04548	0.32669	-0.06225	0.1793	-0.07184	0.12108	-0.06513	0.15999	-0.07035
0.033795	0.46627	0.061976	0.18122	0.095702	0.0387	0.110601	0.0168	0.05528
-0.06417	0.1662	-0.01468	0.75173	0.050594	0.27522	-0.01533	0.74112	0.086504
-0.06142	0.18515	0.002525	0.95661	0.056566	0.22243	0.030295	0.51371	0.051459
0.036085	0.43659	-0.04582	0.32309	0.042779	0.35631	0.007238	0.87603	0.015297
-0.04973	0.28347	-0.03346	0.47072	-0.03523	0.44748	-0.06254	0.17728	-0.03284
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0.012423	0.78888	-0.05953	0.19912	-0.01454	0.75393	-0.0136	0.7694	-0.07152
0.054159	0.24276	-0.05126	0.26895	-0.01604	0.72954	-0.01261	0.78576	-0.07786
-0.04526	0.32904	-0.06239	0.17832	-0.01415	0.76044	-0.0347	0.45439	-0.0386
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-0.10682	0.02096	-0.21682	2.25E-06	0.018588	0.68867	-0.08407	0.0695	-0.02769
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0.035574	0.44312	0.070395	0.12875	0.038491	0.40661	0.020854	0.65307	0.028829
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-0.01225	0.79178	-0.02921	0.52889	0.042331	0.36138	-0.01562	0.73643	0.052607
-0.07951	0.08609	-0.06371	0.16926	-0.04112	0.37528	-0.02759	0.55206	-0.02929
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0.030712	0.50792	0.103145	0.02582	0.092206	0.04643	0.098073	0.03411	0.115906
0.056389	0.22388	0.035329	0.44626	0.126927	0.00602	0.092324	0.04615	0.103645
-0.02738	0.55508	-0.112	0.01546	-0.02108	0.64958	-0.0359	0.43893	-0.03159
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0.01919	0.67915	-0.04423	0.34026	0.03007	0.51684	0.006281	0.89231	-0.00058
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-0.02392	0.60608	-0.01777	0.70176	0.014379	0.75663	-0.01515	0.74397	0.034723
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0.085667	0.06435	0.000488	0.99161	0.117648	0.01095	0.068915	0.13701	0.129121
-0.05355	0.24815	-0.04756	0.30508	0.110281	0.01712	0.054917	0.23623	0.124925
0.009435	0.83885	0.012098	0.79428	0.044268	0.3398	0.059247	0.20124	0.059093
0.080057	0.08396	0.062238	0.17938	0.030649	0.50879	0.09227	0.04627	0.021689
-0.07951	0.08609	-0.16422	0.00037	0.009935	0.83045	0.035683	0.44172	-0.02548
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0.014392	0.75641	-0.01326	0.77499	0.013277	0.77476	-0.02134	0.64561	-0.00094
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-0.05305	0.2526	-0.03304	0.47635	-0.0369	0.42627	6.84E-05	0.99882	-0.01302
-0.05924	0.20127	-0.08786	0.05779	-0.03941	0.39545	-0.08425	0.0689	-0.01916
0.224656	9.36E-07	0.029416	0.52601	-0.01957	0.67323	-0.08484	0.06698	0.049477
-0.03733	0.42088	-0.0147	0.75134	-0.06032	0.19315	-0.07446	0.10804	-0.03163
-0.03008	0.51671	-0.02061	0.6568	0.000586	0.98992	0.032597	0.48223	-0.01996
0.002769	0.95242	-0.02242	0.62895	-0.01013	0.82714	-0.03036	0.51276	-0.04404
0.023454	0.61317	0.07246	0.11788	0.074608	0.10735	0.091006	0.04936	0.037894
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-0.07801	0.0922	-0.00573	0.90167	-0.1185	0.01038	-0.08641	0.06205	-0.04381
-0.12576	0.0065	-0.05413	0.24298	-0.04052	0.38225	0.025781	0.57839	-0.04456
0.149756	0.00117	0.125498	0.00662	0.10418	0.02436	-0.04726	0.30818	0.132609
0.350139	6.47E-15	0.412082	1.44E-20	0.393209	1.02E-18	0.376956	3.24E-17	0.33145
0.219995	1.58E-06	0.163605	0.00039	0.251831	3.45E-08	0.096318	0.03746	0.181611
0.224116	9.95E-07	0.188983	3.95E-05	0.130045	0.00488	-0.10213	0.02732	0.16121
0.264254	6.68E-09	0.133585	0.00383	0.256793	1.81E-08	-0.02239	0.62931	0.176846
0.300714	3.24E-11	0.349305	7.57E-15	0.194101	2.40E-05	0.168078	0.00026	0.200376
0.164383	0.00036	0.20577	7.36E-06	0.209566	4.94E-06	0.079798	0.08497	0.108316
0.263263	7.64E-09	0.172544	0.00018	0.245157	8.06E-08	0.084908	0.06676	0.203828
0.15231	0.00096	-0.00181	0.96894	0.115023	0.01287	-0.01368	0.76813	0.043179
0.148847	0.00126	0.293797	9.45E-11	0.11042	0.01698	0.102742	0.02641	0.130838
0.398902	2.90E-19	0.382639	9.89E-18	0.449724	1.25E-24	0.238727	1.78E-07	0.316077
0.255864	2.05E-08	0.093358	0.04375	0.267631	4.21E-09	0.006447	0.8895	0.198808
0.202806	1.00E-05	0.059021	0.20296	0.147629	0.00138	0.022355	0.62991	0.017929
-0.15242	0.00095	-0.09893	0.03256	-0.3234	7.87E-13	-0.07563	0.10261	-0.25552
0.24421	9.07E-08	0.514598	6.19E-33	0.27402	1.73E-09	0.388292	2.97E-18	0.145821
0.305508	1.52E-11	0.342073	2.89E-14	0.302409	2.48E-11	0.27657	1.20E-09	0.219973
0.46102	5.94E-26	0.327102	4.16E-13	0.345942	1.42E-14	0.198125	1.61E-05	0.31981
0.251541	3.59E-08	0.253785	2.68E-08	0.428909	2.54E-22	0.180059	9.13E-05	0.326806
0.194412	2.33E-05	0.186931	4.81E-05	0.267781	4.13E-09	0.146555	0.00149	0.142438
0.311268	5.98E-12	0.290919	1.46E-10	0.29513	7.71E-11	0.087053	0.06014	0.223514
0.432019	1.17E-22	0.557473	1.73E-39	0.554035	6.30E-39	0.499504	7.68E-31	0.409222
0.272448	2.16E-09	0.429426	2.23E-22	0.249492	4.66E-08	0.187386	4.61E-05	0.214737
0.172443	0.00018	0.202095	1.08E-05	0.198063	1.62E-05	0.154096	0.00083	0.123446
0.279889	7.47E-10	0.311318	5.93E-12	0.301803	2.73E-11	0.158471	0.00059	0.274914
0.163202	0.0004	0.310791	6.46E-12	0.078392	0.09062	0.064622	0.16326	0.002348

0.413078	1.14E-20	0.475861	9.16E-28	0.381359	1.29E-17	0.32547	5.52E-13	0.239
0.428465	2.83E-22	0.560667	5.15E-40	0.603165	1.32E-47	0.417427	4.08E-21	0.550348
0.204302	8.58E-06	0.083701	0.07074	0.216511	2.33E-06	-0.07269	0.11672	0.278719
0.273456	1.87E-09	0.367553	2.20E-16	0.275339	1.43E-09	0.261326	9.92E-09	0.228317
0.400127	2.21E-19	0.350785	5.73E-15	0.361458	7.35E-16	0.220713	1.46E-06	0.524198
0.007447	0.87248	-0.00633	0.89145	-0.02743	0.55425	-0.12713	0.00594	-0.03015
0.158982	0.00056	0.154597	0.0008	-0.00858	0.85323	-0.05486	0.23671	-0.02537
0.327205	4.09E-13	0.393827	8.91E-19	0.23967	1.59E-07	0.170148	0.00022	0.241541
0.290063	1.67E-10	0.49153	8.91E-30	0.39285	1.10E-18	0.305268	1.58E-11	0.33103
0.453009	5.20E-25	0.470355	4.41E-27	0.572016	6.19E-42	0.364174	4.31E-16	0.472272
0.346491	1.28E-14	0.37287	7.50E-17	0.444788	4.54E-24	0.186187	5.16E-05	0.405373
0.12826	0.00551	0.310894	6.35E-12	0.078438	0.09043	0.051326	0.26833	0.054449
0.323996	7.11E-13	0.301349	2.93E-11	0.458528	1.17E-25	0.236505	2.33E-07	0.337836
0.237263	2.13E-07	0.138179	0.00277	0.133598	0.00382	0.020653	0.6562	0.018315
0.300716	3.24E-11	0.483346	1.03E-28	0.161297	0.00047	0.185186	5.67E-05	0.134151
0.426405	4.69E-22	0.553768	6.96E-39	0.623696	1.06E-51	0.489429	1.68E-29	0.517202
0.289838	1.72E-10	0.269519	3.25E-09	0.264384	6.57E-09	0.112351	0.01514	0.160141
0.344778	1.76E-14	0.305896	1.42E-11	0.41891	2.87E-21	0.191739	3.03E-05	0.330265
0.286438	2.86E-10	0.195948	2.00E-05	0.157338	0.00064	0.06855	0.1391	-0.02128
0.442891	7.43E-24	0.367831	2.08E-16	0.421038	1.72E-21	0.251265	3.72E-08	0.28875
0.303801	1.99E-11	0.23489	2.83E-07	0.327746	3.72E-13	0.107551	0.02009	0.313697
-0.13731	0.00295	-0.01173	0.80034	-0.22596	8.06E-07	0.005593	0.90406	-0.15669
0.255327	2.19E-08	0.184763	5.90E-05	0.183535	6.62E-05	0.111658	0.01578	0.115479
0.304188	1.87E-11	0.247924	5.69E-08	0.305354	1.55E-11	0.138169	0.00277	0.258133
0.211018	4.23E-06	0.0352	0.44793	0.130266	0.00481	-0.04791	0.30153	0.128205
0.116528	0.01173	0.230978	4.50E-07	0.137535	0.0029	0.188578	4.11E-05	0.025478
0.114185	0.01355	0.133791	0.00377	0.007145	0.87762	0.028951	0.53257	-0.09558
0.396416	5.04E-19	0.468794	6.85E-27	0.296173	6.56E-11	0.206706	6.68E-06	0.255471
0.252215	3.29E-08	0.082264	0.07574	0.134918	0.00349	-0.02354	0.6118	0.105916
0.283843	4.20E-10	0.171229	0.0002	0.341183	3.40E-14	0.126401	0.00623	0.179649
0.261585	9.58E-09	0.043456	0.34875	0.23352	3.33E-07	-0.00046	0.99213	0.107537
0.142281	0.00205	-0.01626	0.72606	0.099472	0.03162	-0.14378	0.00184	0.071477
0.494815	3.27E-30	0.54484	1.85E-37	0.58381	5.20E-44	0.391142	1.60E-18	0.538503
0.128243	0.00551	-0.03837	0.40806	-0.03404	0.46305	-0.09119	0.04891	-0.19506
0.312611	4.80E-12	0.206007	7.18E-06	0.251444	3.63E-08	0.162918	0.00041	0.03886
0.126012	0.0064	0.092098	0.04668	0.037752	0.41568	-0.02962	0.52314	-0.08313
0.246897	6.48E-08	0.22723	6.96E-07	0.217283	2.14E-06	0.145507	0.00162	0.143062
0.089744	0.05261	0.174234	0.00015	0.154847	0.00079	0.027448	0.55406	0.068874
0.222694	1.17E-06	0.44242	8.39E-24	0.166561	0.0003	0.155951	0.00072	0.143437
0.298279	4.74E-11	0.263242	7.67E-09	0.344694	1.79E-14	0.097844	0.03453	0.312594
0.36307	5.36E-16	0.15584	0.00073	0.358829	1.23E-15	-0.01345	0.77187	0.375359
0.266114	5.19E-09	0.219218	1.73E-06	0.161316	0.00047	0.074369	0.10849	0.080691
0.113933	0.01376	0.160482	0.0005	0.103374	0.02549	-0.0229	0.62161	-0.00165
0.164787	0.00035	0.011153	0.81003	0.298991	4.24E-11	0.026758	0.56408	0.204588
0.330505	2.30E-13	0.401319	1.69E-19	0.477897	5.08E-28	0.357847	1.49E-15	0.326811

0.240434	1.45E-07	0.183825	6.44E-05	0.203789	9.05E-06	0.077039	0.09635	0.136491
0.125624	0.00656	0.15952	0.00054	0.114275	0.01347	0.041904	0.36624	0.069148
0.637754	1.10E-54	0.416403	5.20E-21	0.357582	1.56E-15	0.236033	2.47E-07	0.291518
0.233291	3.42E-07	0.332756	1.55E-13	0.303637	2.04E-11	0.300756	3.22E-11	0.221501
0.249783	4.49E-08	0.301587	2.82E-11	0.224078	1.00E-06	0.152353	0.00096	0.14666
0.249124	4.89E-08	0.26816	3.92E-09	0.205232	7.79E-06	0.115041	0.01286	0.099686
0.340004	4.22E-14	0.267813	4.11E-09	0.357519	1.58E-15	0.284903	3.59E-10	0.214548
0.314666	3.42E-12	0.127694	0.00572	0.436533	3.77E-23	0.14444	0.00175	0.332388
0.170209	0.00022	0.223779	1.03E-06	0.186986	4.78E-05	0.019388	0.67602	0.225233
0.202467	1.04E-05	0.246494	6.82E-08	0.337852	6.23E-14	0.209597	4.92E-06	0.213369
0.617944	1.60E-50	0.421262	1.63E-21	0.335655	9.24E-14	0.221826	1.29E-06	0.235497
0.22705	7.11E-07	0.228889	5.74E-07	0.087689	0.05828	0.020331	0.66122	0.067404
0.480029	2.73E-28	0.579196	3.45E-43	0.531239	2.29E-35	0.359149	1.15E-15	0.502992
0.0441	0.34165	0.014541	0.75397	-0.02954	0.52427	-0.04723	0.30848	-0.16436
0.3943	8.04E-19	0.439483	1.78E-23	0.464636	2.19E-26	0.322903	8.57E-13	0.386877
0.298334	4.70E-11	0.32812	3.49E-13	0.370617	1.19E-16	0.250755	3.97E-08	0.231284
0.285401	3.34E-10	0.331939	1.79E-13	0.262899	8.03E-09	0.315468	2.99E-12	0.056653
0.056666	0.22161	0.062778	0.17563	0.109278	0.01816	-0.02555	0.58184	0.071302
0.427637	3.47E-22	0.576415	1.07E-42	0.505215	1.27E-31	0.486279	4.32E-29	0.403304
0.272356	2.19E-09	0.196285	1.94E-05	0.325646	5.35E-13	0.124151	0.00723	0.191067
0.323828	7.31E-13	0.376165	3.82E-17	0.460306	7.23E-26	0.326451	4.66E-13	0.426888
0.37176	9.41E-17	0.377639	2.81E-17	0.362369	6.15E-16	0.264743	6.26E-09	0.2707
0.344709	1.78E-14	0.228252	6.19E-07	0.518672	1.62E-33	0.216946	2.22E-06	0.379084
0.164829	0.00035	0.245591	7.63E-08	0.187383	4.61E-05	0.154856	0.00079	0.18812
0.469918	4.99E-27	0.581089	1.59E-43	0.621609	2.86E-51	0.459011	1.03E-25	0.508412
0.293281	1.02E-10	0.455508	2.66E-25	0.346739	1.22E-14	0.333053	1.47E-13	0.253436
0.334851	1.07E-13	0.500589	5.47E-31	0.399285	2.66E-19	0.379839	1.78E-17	0.326672
0.100745	0.02949	0.107067	0.02066	0.153873	0.00085	-0.0545	0.23977	0.146197
0.435045	5.50E-23	0.498487	1.05E-30	0.570594	1.09E-41	0.38742	3.58E-18	0.42858
0.21478	2.82E-06	0.216522	2.33E-06	0.207919	5.88E-06	0.130118	0.00486	0.16987
0.388113	3.08E-18	0.420976	1.75E-21	0.290062	1.67E-10	0.171996	0.00019	0.22808
-0.0242	0.60193	0.080847	0.08093	0.103623	0.02513	0.002773	0.95234	0.03622
0.467769	9.14E-27	0.611247	3.50E-49	0.605909	3.89E-48	0.539452	1.28E-36	0.472775
0.215971	2.47E-06	0.160498	0.0005	0.098342	0.03362	-0.07162	0.12223	0.016974
0.083195	0.07247	-0.01377	0.7666	0.125862	0.00646	0.006062	0.89605	0.023925
-0.05442	0.24046	-0.17119	0.0002	-0.05054	0.27576	-0.17465	0.00015	-0.14159
0.225204	8.79E-07	0.066359	0.15221	0.230789	4.60E-07	-0.00897	0.84671	0.241395
0.118059	0.01067	0.159786	0.00053	-0.08567	0.06433	-0.1555	0.00075	-0.05778
0.512278	1.32E-32	0.61974	6.90E-51	0.627075	2.11E-52	0.557041	2.04E-39	0.442055
0.308651	9.15E-12	0.403357	1.07E-19	0.411575	1.62E-20	0.416885	4.64E-21	0.237349
0.317797	2.03E-12	0.25402	2.60E-08	0.49929	8.20E-31	0.280547	6.80E-10	0.364338
0.245312	7.91E-08	0.288058	2.25E-10	0.228035	6.34E-07	0.092245	0.04633	0.193048
0.267119	4.52E-09	0.460433	6.98E-26	0.206066	7.14E-06	0.284374	3.89E-10	0.151425
0.107216	0.02048	0.109104	0.01835	-0.0453	0.32866	-0.08692	0.06054	-0.05533
-0.31552	2.97E-12	-0.32919	2.89E-13	-0.35675	1.84E-15	-0.24398	9.34E-08	-0.24767

-0.06805	0.14201	-0.17435	0.00015	0.03734	0.42079	0.061134	0.18723	0.059907
-0.30969	7.73E-12	-0.28793	2.29E-10	-0.27254	2.13E-09	-0.14143	0.00219	-0.18895
-0.3137	4.01E-12	-0.20612	7.10E-06	-0.45545	2.70E-25	-0.2797	7.69E-10	-0.30882
-0.22232	1.22E-06	-0.11345	0.01416	-0.26775	4.14E-09	-0.07346	0.11289	-0.15194
-0.29851	4.57E-11	-0.34262	2.62E-14	-0.30083	3.18E-11	-0.18562	5.45E-05	-0.19854
-0.25708	1.74E-08	-0.29685	5.91E-11	-0.28659	2.80E-10	-0.19028	3.49E-05	-0.17884
-0.18873	4.05E-05	-0.14455	0.00174	-0.24557	7.65E-08	-0.09325	0.044	-0.11409
-0.21185	3.87E-06	-0.04587	0.32257	-0.26923	3.38E-09	-0.00525	0.90998	-0.1491
-0.29054	1.55E-10	-0.33139	1.97E-13	-0.28364	4.32E-10	-0.20132	1.17E-05	-0.19615
-0.28104	6.33E-10	-0.52623	1.28E-34	-0.22773	6.57E-07	-0.30238	2.49E-11	-0.17939
-0.34711	1.14E-14	-0.45761	1.51E-25	-0.27391	1.76E-09	-0.23814	1.91E-07	-0.18211
-0.32634	4.75E-13	-0.25543	2.17E-08	-0.28709	2.60E-10	-0.11172	0.01572	-0.19249
0.053761	0.24625	-0.00451	0.92262	0.087196	0.05972	-0.12869	0.00535	0.170323
0.316667	2.45E-12	0.405378	6.74E-20	0.33453	1.13E-13	0.315104	3.18E-12	0.239072
0.160895	0.00048	0.035847	0.43962	0.214938	2.77E-06	-0.01674	0.71824	0.146932
0.376533	3.54E-17	0.526946	9.99E-35	0.531621	2.00E-35	0.419471	2.51E-21	0.449182
0.366117	2.93E-16	0.588946	6.10E-45	0.232652	3.69E-07	0.314292	3.64E-12	0.213089
0.023684	0.6097	0.028625	0.53719	0.121571	0.00854	0.097156	0.03583	-0.04454
0.092725	0.0452	0.236186	2.42E-07	0.062699	0.17617	-0.04579	0.32343	0.117536
0.456308	2.14E-25	0.446375	3.00E-24	0.638424	7.89E-55	0.415695	6.15E-21	0.520473
0.394072	8.45E-19	0.334744	1.09E-13	0.484894	6.52E-29	0.317436	2.16E-12	0.364381
0.146803	0.00147	0.338291	5.75E-14	0.103001	0.02603	0.104607	0.02378	-0.00587
0.450626	9.81E-25	0.664424	8.60E-61	0.568866	2.15E-41	0.542563	4.21E-37	0.422459
0.235085	2.76E-07	0.068451	0.13968	0.165819	0.00032	0.000715	0.9877	0.123323
0.30876	8.99E-12	0.159744	0.00053	0.276626	1.19E-09	0.179626	9.50E-05	0.10782
0.22534	8.65E-07	0.131273	0.00449	0.258218	1.50E-08	0.030016	0.51759	0.241081
0.224531	9.49E-07	0.178544	0.0001	0.283181	4.63E-10	0.032379	0.48516	0.256325
0.254651	2.40E-08	0.13094	0.00459	0.172071	0.00019	-0.05286	0.25426	0.103543
0.40063	1.97E-19	0.279323	8.11E-10	0.547004	8.44E-38	0.250015	4.36E-08	0.435659
0.185034	5.75E-05	-0.06962	0.13303	0.163855	0.00038	-0.12258	0.00801	0.098945
0.078238	0.09126	0.195973	2.00E-05	0.003804	0.93466	-0.05455	0.23935	-0.01144
0.076276	0.0997	-0.09871	0.03295	0.159427	0.00054	-0.07493	0.10584	0.124115
0.298669	4.46E-11	0.270001	3.04E-09	0.557895	1.48E-39	0.31546	3.00E-12	0.375163
0.37065	1.18E-16	0.307343	1.13E-11	0.533964	8.87E-36	0.249177	4.85E-08	0.402426
0.210642	4.40E-06	0.084625	0.06768	0.252858	3.03E-08	0.039251	0.39741	0.130114
0.067065	0.14789	0.165591	0.00033	-0.0581	0.21014	-0.148	0.00134	-0.04658
0.337188	7.02E-14	0.298405	4.65E-11	0.226455	7.61E-07	0.206895	6.55E-06	0.054399
0.321673	1.06E-12	-0.01048	0.82128	0.301521	2.85E-11	-0.00096	0.98343	0.134443
0.205267	7.76E-06	-0.04514	0.33036	-0.04473	0.33477	-0.17913	9.93E-05	-0.03531
0.505053	1.34E-31	0.584587	3.77E-44	0.673978	3.89E-63	0.466335	1.37E-26	0.617965
0.224934	9.07E-07	0.08162	0.07806	0.285715	3.19E-10	0.022917	0.62132	0.274806
0.475194	1.11E-27	0.581522	1.33E-43	0.593513	8.79E-46	0.417275	4.23E-21	0.506495
0.292368	1.18E-10	0.216923	2.23E-06	0.360767	8.42E-16	0.132185	0.00422	0.274346
0.087438	0.05901	0.00582	0.90018	0.160567	0.0005	-0.06361	0.16998	0.198364
0.348	9.67E-15	0.348647	8.57E-15	0.173709	0.00016	0.168989	0.00024	0.126627

0.429036	2.46E-22	0.376665	3.44E-17	0.470848	3.84E-27	0.418086	3.49E-21	0.313291
0.28763	2.40E-10	0.322021	9.96E-13	0.087504	0.05882	0.028877	0.53362	0.054841
0.339364	4.74E-14	0.371395	1.01E-16	0.470608	4.11E-27	0.200824	1.23E-05	0.404822
0.166439	0.0003	0.161887	0.00044	0.144533	0.00174	-0.02308	0.61886	0.045268
0.32941	2.79E-13	0.394266	8.09E-19	0.371514	9.89E-17	0.274895	1.53E-09	0.271716
0.172178	0.00018	0.43973	1.67E-23	0.138505	0.0027	0.208227	5.69E-06	0.081984
0.155273	0.00076	0.199786	1.36E-05	0.013213	0.77581	0.02981	0.52047	-0.07463
0.387213	3.74E-18	0.464307	2.40E-26	0.452127	6.58E-25	0.271417	2.49E-09	0.343354
0.311507	5.75E-12	0.155601	0.00074	0.375434	4.44E-17	0.176254	0.00013	0.223978
0.024328	0.59999	-0.09683	0.03646	0.035162	0.44842	-0.22147	1.34E-06	0.037227
0.159318	0.00055	0.097332	0.03549	0.251065	3.81E-08	0.008323	0.85763	0.196218
0.333541	1.35E-13	0.384853	6.19E-18	0.43364	7.82E-23	0.275429	1.42E-09	0.419382
0.347542	1.05E-14	0.229673	5.24E-07	0.257257	1.70E-08	0.006782	0.88379	0.231402
0.173683	0.00016	0.204769	8.17E-06	0.359473	1.08E-15	0.293128	1.05E-10	0.186325
0.149654	0.00118	0.122088	0.00826	0.008316	0.85776	-0.13058	0.00471	-0.00794
0.133829	0.00376	0.038424	0.40743	0.206145	7.08E-06	0.002567	0.95588	0.081136
0.298868	4.32E-11	0.328359	3.35E-13	0.381163	1.35E-17	0.178977	0.0001	0.31376
0.320051	1.39E-12	0.414362	8.42E-21	0.40217	1.39E-19	0.382166	1.09E-17	0.221009
0.024474	0.59782	0.173327	0.00017	0.096452	0.03719	0.060722	0.19023	0.002043
0.014171	0.76004	-0.05577	0.22903	0.008945	0.84712	-0.19622	1.95E-05	0.021463
0.345011	1.69E-14	0.54983	3.00E-38	0.378415	2.40E-17	0.354557	2.80E-15	0.314843
0.416328	5.30E-21	0.577993	5.63E-43	0.350127	6.49E-15	0.372646	7.86E-17	0.275794
0.336648	7.73E-14	0.512953	1.06E-32	0.396207	5.28E-19	0.338363	5.68E-14	0.326344
0.312975	4.52E-12	0.453937	4.06E-25	0.426331	4.78E-22	0.349779	6.93E-15	0.320707
0.329284	2.85E-13	0.459754	8.41E-26	0.422698	1.16E-21	0.394832	7.15E-19	0.277739
0.236414	2.36E-07	0.152303	0.00096	0.243651	9.72E-08	0.189548	3.75E-05	0.068241
0.264659	6.33E-09	0.208898	5.30E-06	0.285221	3.43E-10	0.01723	0.71036	0.204553
0.19013	3.54E-05	-0.0182	0.69481	0.198072	1.62E-05	-0.01763	0.70402	0.133868
0.374125	5.81E-17	0.313325	4.27E-12	0.229326	5.46E-07	0.126655	0.00613	0.149585
0.263351	7.55E-09	0.210454	4.49E-06	0.126323	0.00627	-0.01995	0.66724	0.074382
0.141829	0.00212	0.005881	0.89914	0.219307	1.71E-06	0.004905	0.91581	0.157946
0.254886	2.33E-08	0.130098	0.00486	0.262712	8.23E-09	0.106328	0.02155	0.184783
0.109954	0.01746	0.131408	0.00445	0.077679	0.0936	0.027918	0.54729	0.004859
0.354851	2.64E-15	0.284257	3.95E-10	0.222549	1.19E-06	0.098731	0.03292	0.131433
0.11574	0.01232	0.282908	4.82E-10	0.050358	0.27747	-0.02988	0.5195	0.065723
0.410836	1.92E-20	0.450231	1.09E-24	0.573551	3.36E-42	0.363023	5.41E-16	0.418571
0.092764	0.04511	-0.12937	0.00511	0.081506	0.07848	-0.16168	0.00045	0.13878
0.163001	0.00041	0.138786	0.00265	0.099801	0.03106	0.148503	0.00129	0.103986
0.339266	4.82E-14	0.326614	4.53E-13	0.418836	2.92E-21	0.325946	5.08E-13	0.208077
0.348065	9.55E-15	0.250204	4.26E-08	0.380956	1.41E-17	0.161695	0.00045	0.257478
0.292375	1.17E-10	0.313287	4.29E-12	0.4368	3.53E-23	0.237805	1.99E-07	0.314606
0.354173	3.01E-15	0.413331	1.07E-20	0.50305	2.53E-31	0.268124	3.94E-09	0.502887
0.319621	1.49E-12	0.310491	6.78E-12	0.262994	7.93E-09	0.220886	1.43E-06	0.239618
0.252933	3.00E-08	0.41157	1.62E-20	0.124009	0.0073	0.1105	0.0169	0.057314
0.124019	0.00729	-0.10771	0.0199	0.245987	7.26E-08	0.028721	0.53583	0.015446



0.235354	2.68E-07	0.20985	4.79E-06	0.293351	1.01E-10	0.180607	8.68E-05	0.15123
0.038879	0.4019	-0.01579	0.7336	0.051602	0.26576	-0.00421	0.92774	-0.08495
0.101623	0.0281	0.122926	0.00783	0.119919	0.00949	0.046522	0.31576	0.08387
0.322366	9.39E-13	0.497861	1.28E-30	0.219838	1.61E-06	0.270137	2.98E-09	0.183871
0.353702	3.29E-15	0.538226	1.98E-36	0.493294	5.21E-30	0.435895	4.44E-23	0.38934
0.070908	0.12598	0.057927	0.21148	-0.0093	0.84113	-0.08608	0.06308	-0.07125
0.297688	5.19E-11	0.275439	1.41E-09	0.378525	2.34E-17	0.236768	2.26E-07	0.278216
0.305114	1.61E-11	0.151822	0.001	0.437717	2.80E-23	0.118908	0.01012	0.332904
0.212173	3.74E-06	0.213441	3.26E-06	0.331249	2.02E-13	0.192801	2.73E-05	0.238401
0.236649	2.29E-07	0.249559	4.62E-08	0.150924	0.00107	0.167372	0.00028	0.055582
0.24373	9.63E-08	0.442628	7.95E-24	0.258387	1.47E-08	0.195813	2.03E-05	0.252026
0.174826	0.00015	0.108979	0.01848	0.002199	0.9622	-0.18676	4.89E-05	-0.03202
0.159244	0.00055	0.02985	0.51991	0.181705	7.85E-05	-0.03166	0.49494	0.043804
0.255976	2.02E-08	0.36853	1.81E-16	0.272273	2.21E-09	0.207384	6.22E-06	0.232091
0.229565	5.31E-07	0.228519	6.00E-07	0.365294	3.45E-16	0.273138	1.96E-09	0.219321
0.332078	1.74E-13	0.5078	5.59E-32	0.359301	1.12E-15	0.358798	1.24E-15	0.234164
0.206919	6.53E-06	0.106247	0.02165	0.287067	2.61E-10	0.120568	0.00911	0.147693
0.138058	0.00279	-0.04816	0.29899	0.103497	0.02531	-0.10601	0.02196	0.079176
0.365004	3.65E-16	0.553582	7.46E-39	0.442372	8.49E-24	0.502443	3.06E-31	0.317261
0.221371	1.36E-06	0.35837	1.34E-15	0.107285	0.0204	0.133084	0.00396	0.049632
0.042269	0.36209	0.138282	0.00275	0.036787	0.42771	-0.02933	0.52717	0.090241
-0.00034	0.99415	0.194534	2.30E-05	-0.07381	0.11118	-0.04539	0.32768	0.019071
-0.12645	0.00621	-0.05483	0.23699	-0.23566	2.58E-07	-0.09754	0.03509	-0.1773
0.216986	2.21E-06	0.178322	0.00011	0.251902	3.42E-08	0.116642	0.01165	0.223074
0.272925	2.02E-09	0.267928	4.05E-09	0.374012	5.94E-17	0.227559	6.70E-07	0.339893
0.238774	1.77E-07	0.165135	0.00034	0.474709	1.28E-27	0.314214	3.68E-12	0.391603
0.08469	0.06747	0.125365	0.00668	0.277101	1.12E-09	0.225326	8.67E-07	0.252298
0.316333	2.59E-12	0.280643	6.70E-10	0.37056	1.20E-16	0.239216	1.68E-07	0.35619
0.374258	5.65E-17	0.300635	3.28E-11	0.614155	9.26E-50	0.374583	5.29E-17	0.553224
0.055551	0.23085	0.196621	1.87E-05	0.154885	0.00078	0.101334	0.02855	0.120071
0.071086	0.12503	0.084235	0.06896	0.068278	0.14068	0.07433	0.10867	0.095136
0.094151	0.04198	-0.10258	0.02665	0.022044	0.63468	-0.24909	4.91E-08	0.098721
0.107524	0.02012	0.263764	7.14E-09	0.2215	1.34E-06	0.187092	4.74E-05	0.27379
0.174162	0.00016	0.166059	0.00031	0.206351	6.93E-06	0.126772	0.00608	0.192044
0.052395	0.25848	0.123243	0.00767	-0.14002	0.00242	-0.0557	0.22959	-0.12065
0.149505	0.00119	0.120113	0.00937	0.225103	8.89E-07	0.277941	9.90E-10	0.140783
-0.07371	0.11168	0.044416	0.33819	-0.1763	0.00013	-0.1653	0.00033	-0.10542
0.217488	2.09E-06	0.305922	1.42E-11	0.221363	1.36E-06	0.189404	3.80E-05	0.212211
0.154808	0.00079	0.253736	2.70E-08	0.212297	3.69E-06	0.158202	0.0006	0.211893
0.096114	0.03787	0.152411	0.00095	-0.11764	0.01095	-0.10113	0.02887	-0.03607
0.28421	3.98E-10	0.229003	5.67E-07	0.375896	4.04E-17	0.245631	7.60E-08	0.313547
0.179313	9.77E-05	0.30333	2.14E-11	0.241319	1.30E-07	0.188334	4.21E-05	0.25001
0.130874	0.00461	0.220289	1.53E-06	0.308864	8.84E-12	0.229308	5.47E-07	0.274858
0.119344	0.00984	0.217468	2.10E-06	0.225426	8.57E-07	0.157962	0.00061	0.185286
0.205718	7.40E-06	0.348105	9.48E-15	0.465649	1.65E-26	0.449193	1.43E-24	0.369084

0.097624	0.03494	0.186342	5.09E-05	0.119666	0.00964	0.085373	0.06528	0.135941
0.031536	0.4966	0.071987	0.1203	-0.24548	7.74E-08	-0.19952	1.40E-05	-0.1774
0.15716	0.00065	0.13207	0.00425	0.106111	0.02182	0.048194	0.29867	0.180458
-0.01947	0.67479	0.165753	0.00032	-0.25568	2.09E-08	-0.21173	3.92E-06	-0.17074
0.220115	1.56E-06	0.198825	1.50E-05	0.167723	0.00027	0.009798	0.83276	0.204007
0.235466	2.64E-07	0.21583	2.51E-06	0.370872	1.13E-16	0.189553	3.74E-05	0.267899
-0.0512	0.26954	-0.035	0.45055	-0.20843	5.57E-06	-0.26108	1.03E-08	-0.08463
0.11893	0.0101	0.123534	0.00752	0.028315	0.54162	-0.05553	0.23099	0.076709
0.034364	0.45879	0.137824	0.00284	0.068179	0.14125	-0.0418	0.36741	0.185007
0.345734	1.47E-14	0.452423	6.08E-25	0.379814	1.79E-17	0.392105	1.30E-18	0.307291
0.065672	0.15651	0.138879	0.00263	0.044178	0.34079	-0.05305	0.25258	0.082701
0.13499	0.00347	0.145131	0.00166	0.104285	0.02421	0.030445	0.51162	0.0768
0.178472	0.00011	0.05129	0.26866	0.202859	9.96E-06	-0.03141	0.49835	0.17243
0.085197	0.06584	0.210761	4.35E-06	-0.00988	0.8313	-0.05379	0.24603	0.049267
0.061828	0.18227	0.199089	1.46E-05	0.104332	0.02415	0.123069	0.00776	0.143403
-0.04165	0.36918	-0.0219	0.63693	-0.18704	4.76E-05	-0.26928	3.36E-09	-0.08596
0.214612	2.87E-06	0.117351	0.01115	0.286655	2.77E-10	0.096084	0.03793	0.303416
0.252279	3.26E-08	0.146799	0.00147	0.331844	1.82E-13	0.161686	0.00045	0.291983
0.266944	4.63E-09	0.316657	2.46E-12	0.435978	4.34E-23	0.323778	7.38E-13	0.402816
0.019516	0.67401	-0.04637	0.3174	0.135404	0.00337	-0.10014	0.03049	0.159535
0.148294	0.00131	0.200489	1.27E-05	0.197617	1.70E-05	0.080602	0.08186	0.208435
-0.05303	0.25273	0.115661	0.01238	-0.07087	0.12618	0.020095	0.66492	-0.01092
0.035443	0.4448	0.097433	0.0353	-0.07851	0.09013	-0.04412	0.34138	-0.01785
0.229649	5.26E-07	0.180587	8.70E-05	0.390651	1.78E-18	0.25006	4.34E-08	0.310555
0.117678	0.01093	0.090965	0.04946	0.255915	2.03E-08	0.195634	2.07E-05	0.194547
0.089609	0.05297	0.06125	0.1864	0.05523	0.23356	-0.02773	0.55006	0.102047
0.14801	0.00134	0.229864	5.13E-07	0.353552	3.39E-15	0.379922	1.75E-17	0.302131
0.110202	0.0172	0.330481	2.31E-13	0.093708	0.04296	0.16224	0.00043	0.125388
-0.08618	0.06276	0.082971	0.07325	0.032483	0.48376	0.054027	0.24392	0.087325
0.28785	2.32E-10	0.279894	7.47E-10	0.403184	1.11E-19	0.170571	0.00021	0.378759
0.127552	0.00577	0.03426	0.46016	0.138604	0.00268	-0.02372	0.60913	0.177626
0.162863	0.00041	0.126569	0.00616	0.079457	0.08631	-0.0897	0.05273	0.166638
0.023401	0.61397	0.115046	0.01285	0.035861	0.43944	0.064279	0.1655	0.11568
0.187179	4.70E-05	-0.0082	0.8598	0.156292	0.0007	-0.00951	0.83766	0.067792
0.08372	0.07068	0.115486	0.01251	0.127368	0.00585	0.161919	0.00044	-0.02054
0.333971	1.25E-13	0.187579	4.52E-05	0.308961	8.70E-12	0.240934	1.36E-07	0.245009
0.051443	0.26724	0.16809	0.00026	0.183135	6.87E-05	0.225327	8.67E-07	0.099495
-0.02977	0.52108	-0.01292	0.78067	-0.06247	0.17775	-0.11707	0.01134	-0.05399
0.342526	2.66E-14	0.119519	0.00973	0.290475	1.57E-10	0.034461	0.45752	0.213817
0.033463	0.47066	-0.05312	0.25193	0.155339	0.00076	0.020084	0.66508	0.146953
-0.01931	0.67719	-0.21942	1.69E-06	0.110349	0.01705	-0.11921	0.00992	0.126615
0.409067	2.89E-20	0.505476	1.17E-31	0.825557	#####	0.760864	2.25E-89	0.649288
-0.15987	0.00052	-0.31467	3.41E-12	-0.39018	1.97E-18	-0.40898	2.95E-20	-0.36451
0.423589	9.31E-22	0.21494	2.77E-06	0.646511	1.27E-56	0.424669	7.16E-22	0.498834
0.508212	4.90E-32	0.641198	1.94E-55	0.870871	#####	0.762324	6.56E-90	0.755419

0.339978	4.24E-14	0.353323	3.54E-15	0.757286	4.45E-88	0.677257	5.82E-64	0.584211
-0.24884	5.06E-08	-0.25965	1.24E-08	-0.62079	4.22E-51	-0.39789	3.64E-19	-0.52775
0.39948	2.55E-19	0.084	0.06974	0.493993	4.21E-30	0.217797	2.02E-06	0.32577
0.3849	6.12E-18	0.2461	7.16E-08	0.739766	4.84E-82	0.550733	2.15E-38	0.603286
0.522131	5.09E-34	0.492435	6.77E-30	0.778873	2.91E-96	0.707912	3.14E-72	0.600024
0.223252	1.10E-06	0.291686	1.30E-10	0.416579	4.99E-21	0.397088	4.34E-19	0.272261
0.454679	3.32E-25	0.242671	1.10E-07	0.687398	1.39E-66	0.485924	4.80E-29	0.49734
0.468822	6.80E-27	0.468986	6.49E-27	0.545902	1.26E-37	0.490271	1.30E-29	0.389663
0.488553	2.19E-29	0.360376	9.09E-16	0.739459	6.10E-82	0.540872	7.73E-37	0.571894
0.581902	1.14E-43	0.539165	1.42E-36	0.883272	#####	0.696322	5.57E-69	0.724849
0.368044	1.99E-16	0.365583	3.26E-16	0.651263	1.06E-57	0.399547	2.51E-19	0.56963
0.584879	3.34E-44	0.633381	9.72E-54	0.74565	5.16E-84	0.734981	1.77E-80	0.6139
0.316881	2.37E-12	0.228679	5.89E-07	0.681186	5.78E-65	0.476058	8.65E-28	0.485031
0.177406	0.00012	0.181207	8.21E-05	0.498747	9.72E-31	0.460637	6.60E-26	0.267191
0.29105	1.44E-10	0.207729	6.00E-06	0.50431	1.70E-31	0.269874	3.09E-09	0.469937
0.464769	2.11E-26	0.535592	5.01E-36	0.560501	5.48E-40	0.467744	9.20E-27	0.461332
0.308268	9.73E-12	0.349044	7.95E-15	0.567069	4.34E-41	0.473939	1.59E-27	0.455731
0.393438	9.71E-19	0.398736	3.01E-19	0.469291	5.96E-27	0.453044	5.15E-25	0.305246
0.304201	1.87E-11	0.292411	1.17E-10	0.744577	1.19E-83	0.628872	8.83E-53	0.605015
0.419862	2.29E-21	0.435407	5.02E-23	0.613738	1.12E-49	0.36634	2.80E-16	0.580411
0.421644	1.49E-21	0.510103	2.67E-32	0.618695	1.13E-50	0.670843	2.34E-62	0.555807
0.489473	1.66E-29	0.465671	1.64E-26	0.821366	#####	0.735506	1.20E-80	0.577848
0.429862	2.00E-22	0.33036	2.36E-13	0.718923	1.82E-75	0.545067	1.71E-37	0.586435
0.31291	4.57E-12	0.256352	1.92E-08	0.618082	1.50E-50	0.46144	5.30E-26	0.476341
0.620894	4.01E-51	0.378216	2.50E-17	0.742735	4.97E-83	0.567598	3.53E-41	0.595397
0.315484	2.99E-12	0.207201	6.34E-06	0.399915	2.31E-19	0.235649	2.58E-07	0.342043
0.480242	2.57E-28	0.404779	7.72E-20	0.769403	1.46E-92	0.500078	6.42E-31	0.636835
0.302836	2.32E-11	0.301969	2.66E-11	0.477755	5.30E-28	0.326124	4.93E-13	0.418287
0.202545	1.03E-05	0.305032	1.64E-11	0.54455	2.06E-37	0.542074	5.02E-37	0.427385
0.307978	1.02E-11	0.244018	9.29E-08	0.374662	5.20E-17	0.325346	5.64E-13	0.329986
0.498929	9.18E-31	0.64729	8.50E-57	0.592468	1.37E-45	0.58619	1.94E-44	0.522578
0.354519	2.82E-15	0.386234	4.61E-18	0.600626	4.04E-47	0.463733	2.81E-26	0.523798
0.46137	5.40E-26	0.506151	9.46E-32	0.709749	9.28E-73	0.555885	3.15E-39	0.631533
0.39627	5.21E-19	0.304322	1.83E-11	0.590424	3.27E-45	0.383894	7.58E-18	0.518187
0.370524	1.21E-16	0.633557	8.91E-54	0.489322	1.74E-29	0.641525	1.64E-55	0.364424
0.46745	9.99E-27	0.225395	8.60E-07	0.532467	1.49E-35	0.320297	1.33E-12	0.409166
-0.1975	1.72E-05	-0.24403	9.28E-08	-0.50452	1.59E-31	-0.45633	2.13E-25	-0.36961
0.317632	2.09E-12	0.414399	8.35E-21	0.638028	9.63E-55	0.564386	1.23E-40	0.46957
0.264242	6.70E-09	0.152534	0.00094	0.552622	1.07E-38	0.421672	1.48E-21	0.374743
0.426112	5.04E-22	0.381373	1.29E-17	0.803439	#####	0.657506	3.79E-59	0.650251
0.251828	3.46E-08	0.335043	1.03E-13	0.470714	3.98E-27	0.467339	1.03E-26	0.382879
0.206573	6.77E-06	0.126723	0.0061	0.356683	1.86E-15	0.151555	0.00102	0.22997
0.486382	4.19E-29	0.31623	2.64E-12	0.767152	1.04E-91	0.620554	4.71E-51	0.487392
0.441091	1.18E-23	0.289291	1.87E-10	0.776207	3.34E-95	0.523794	2.91E-34	0.584773
0.441757	9.95E-24	0.408331	3.42E-20	0.789513	#####	0.662146	3.03E-60	0.625241

0.508457	4.53E-32	0.601105	3.27E-47	0.82707	#####	0.721069	4.08E-76	0.645632
0.407115	4.53E-20	0.527462	8.38E-35	0.646031	1.63E-56	0.640499	2.77E-55	0.469872
0.382063	1.12E-17	0.190254	3.50E-05	0.721021	4.22E-76	0.485147	6.05E-29	0.462923
0.440589	1.34E-23	0.420681	1.88E-21	0.674874	2.32E-63	0.581822	1.18E-43	0.491963
0.438827	2.11E-23	0.459364	9.35E-26	0.686283	2.73E-66	0.518586	1.66E-33	0.54255
0.361579	7.18E-16	0.337305	6.87E-14	0.572867	4.42E-42	0.454441	3.54E-25	0.444032
0.415683	6.17E-21	0.398081	3.48E-19	0.838615	#####	0.643221	6.93E-56	0.681006
0.427972	3.19E-22	0.384218	7.08E-18	0.787835	#####	0.561999	3.09E-40	0.702523
0.394088	8.42E-19	0.607308	2.08E-48	0.591239	2.32E-45	0.628449	1.08E-52	0.494613
0.382215	1.08E-17	0.296025	6.72E-11	0.643125	7.27E-56	0.54151	6.15E-37	0.462324
0.430246	1.82E-22	0.400081	2.23E-19	0.545308	1.56E-37	0.459317	9.47E-26	0.466165
0.362525	5.96E-16	0.345174	1.64E-14	0.654931	1.51E-58	0.588999	5.97E-45	0.425911
0.416879	4.65E-21	0.482845	1.20E-28	0.458795	1.09E-25	0.535364	5.43E-36	0.335243
0.28966	1.77E-10	0.293544	9.83E-11	0.5595	8.03E-40	0.355427	2.37E-15	0.434981
0.467217	1.07E-26	0.633588	8.78E-54	0.781489	2.56E-97	0.746996	1.79E-84	0.638231
0.25891	1.37E-08	0.149031	0.00124	0.531496	2.09E-35	0.336965	7.30E-14	0.506101
0.534309	7.86E-36	0.689023	5.17E-67	0.717038	6.68E-75	0.640916	2.24E-55	0.611596
0.339684	4.47E-14	0.409856	2.41E-20	0.682382	2.84E-65	0.639003	5.89E-55	0.534608
0.404666	7.92E-20	0.37588	4.05E-17	0.764671	8.87E-91	0.617151	2.31E-50	0.610877
0.417356	4.15E-21	0.422334	1.26E-21	0.526195	1.29E-34	0.422374	1.25E-21	0.407845
0.462126	4.39E-26	0.453676	4.35E-25	0.710468	5.74E-73	0.561916	3.19E-40	0.582381
0.392065	1.31E-18	0.343918	2.06E-14	0.677332	5.57E-64	0.558199	1.32E-39	0.483335
0.479703	3.01E-28	0.21553	2.59E-06	0.59586	3.21E-46	0.395656	5.96E-19	0.484375
0.366405	2.76E-16	0.43102	1.50E-22	0.588999	5.97E-45	0.521001	7.44E-34	0.534799
0.440138	1.51E-23	0.272595	2.11E-09	0.698211	1.69E-69	0.442699	7.81E-24	0.594811
0.347999	9.67E-15	0.507025	7.16E-32	0.543965	2.54E-37	0.564309	1.27E-40	0.375057
0.249909	4.42E-08	0.305609	1.49E-11	0.562943	2.15E-40	0.561819	3.31E-40	0.382077
0.454196	3.79E-25	0.251848	3.45E-08	0.707028	5.63E-72	0.404263	8.68E-20	0.59499
0.477371	5.92E-28	0.407647	4.01E-20	0.800123	#####	0.629428	6.74E-53	0.636259
0.43283	9.58E-23	0.31386	3.91E-12	0.519275	1.32E-33	0.422758	1.14E-21	0.382956
0.304788	1.70E-11	0.251589	3.56E-08	0.643105	7.35E-56	0.460444	6.96E-26	0.480952
0.365461	3.34E-16	0.255359	2.19E-08	0.489564	1.61E-29	0.355101	2.52E-15	0.407413
0.34465	1.80E-14	0.438784	2.13E-23	0.659759	1.12E-59	0.671212	1.90E-62	0.489694
0.617035	2.44E-50	0.749534	2.40E-85	0.781334	2.96E-97	0.744164	1.64E-83	0.679234
0.36975	1.41E-16	0.299413	3.97E-11	0.703842	4.53E-71	0.534526	7.29E-36	0.521447
0.334095	1.22E-13	0.259178	1.32E-08	0.665103	5.90E-61	0.506382	8.79E-32	0.489615
0.318034	1.95E-12	0.149114	0.00123	0.527535	8.17E-35	0.38526	5.67E-18	0.345545
0.345606	1.51E-14	0.335957	8.75E-14	0.39742	4.04E-19	0.312746	4.69E-12	0.334576
-0.13283	0.00403	-0.34425	1.94E-14	-0.35035	6.22E-15	-0.39564	5.98E-19	-0.33587
0.549164	3.83E-38	0.559382	8.40E-40	0.886017	#####	0.839762	#####	0.706843
0.285748	3.17E-10	0.437395	3.03E-23	0.505472	1.17E-31	0.525238	1.79E-34	0.344331
0.418534	3.14E-21	0.388553	2.80E-18	0.793988	#####	0.663204	1.69E-60	0.625486
0.356765	1.83E-15	0.475624	9.80E-28	0.636024	2.62E-54	0.557635	1.63E-39	0.556889
0.492946	5.79E-30	0.418543	3.13E-21	0.633389	9.69E-54	0.594592	5.54E-46	0.566094
0.501947	3.58E-31	0.583434	6.08E-44	0.56589	6.88E-41	0.452735	5.60E-25	0.478757

0.281854	5.62E-10	0.47401	1.56E-27	0.447387	2.30E-24	0.482527	1.31E-28	0.332912
0.379577	1.88E-17	0.365204	3.51E-16	0.422535	1.20E-21	0.361563	7.20E-16	0.349856
0.442555	8.10E-24	0.337843	6.24E-14	0.666395	2.87E-61	0.449242	1.41E-24	0.543582
0.379874	1.77E-17	0.555982	3.04E-39	0.565399	8.32E-41	0.612885	1.66E-49	0.426829
0.361292	7.60E-16	0.457307	1.64E-25	0.699263	8.64E-70	0.605044	5.73E-48	0.65914
0.432366	1.08E-22	0.251111	3.79E-08	0.566613	5.19E-41	0.445099	4.19E-24	0.418329
0.413766	9.69E-21	0.453383	4.71E-25	0.762877	4.10E-90	0.644815	3.06E-56	0.551782
0.329459	2.76E-13	0.202824	9.99E-06	0.636943	1.66E-54	0.42253	1.20E-21	0.436565
0.354855	2.64E-15	0.458589	1.15E-25	0.533893	9.09E-36	0.58931	5.24E-45	0.40477
0.415274	6.79E-21	0.539864	1.11E-36	0.505798	1.06E-31	0.494124	4.04E-30	0.359983
0.445689	3.59E-24	0.569726	1.53E-41	0.815233	#####	0.638675	6.95E-55	0.680658
0.20333	9.49E-06	0.08064	0.08172	0.37555	4.33E-17	0.284354	3.90E-10	0.237904
0.418445	3.21E-21	0.548307	5.24E-38	0.604276	8.06E-48	0.652509	5.49E-58	0.485136
0.379232	2.02E-17	0.517644	2.27E-33	0.748091	7.56E-85	0.733808	4.24E-80	0.603953
0.442819	7.57E-24	0.46105	5.90E-26	0.8243	#####	0.73687	4.32E-81	0.607297
0.394064	8.46E-19	0.473745	1.68E-27	0.575386	1.61E-42	0.505193	1.28E-31	0.488045
0.441629	1.03E-23	0.453238	4.89E-25	0.627506	1.71E-52	0.435769	4.58E-23	0.407374
0.378047	2.59E-17	0.245905	7.34E-08	0.552566	1.09E-38	0.43233	1.09E-22	0.415529
0.356804	1.82E-15	0.202618	1.02E-05	0.694308	1.97E-68	0.464151	2.51E-26	0.523495
0.370441	1.23E-16	0.42875	2.64E-22	0.693152	4.05E-68	0.564967	9.84E-41	0.588833
0.368453	1.84E-16	0.554849	4.65E-39	0.559167	9.12E-40	0.619312	8.44E-51	0.379687
0.236685	2.28E-07	0.25467	2.39E-08	0.415447	6.52E-21	0.516862	2.94E-33	0.256616
0.4762	8.30E-28	0.671004	2.13E-62	0.744221	1.57E-83	0.720949	4.43E-76	0.641209
0.284354	3.90E-10	0.373464	6.65E-17	0.609343	8.31E-49	0.476985	6.62E-28	0.514637
0.430854	1.57E-22	0.487834	2.71E-29	0.593652	8.28E-46	0.565531	7.90E-41	0.430845
0.431683	1.28E-22	0.389125	2.48E-18	0.515917	4.02E-33	0.382808	9.54E-18	0.418949
-0.19015	3.53E-05	-0.09138	0.04844	-0.36066	8.60E-16	-0.14303	0.00194	-0.30662
0.429653	2.11E-22	0.434284	6.66E-23	0.811301	#####	0.681284	5.45E-65	0.691527
0.469741	5.25E-27	0.486832	3.66E-29	0.827739	#####	0.641282	1.86E-55	0.726032
0.400738	1.92E-19	0.512852	1.09E-32	0.427261	3.80E-22	0.507594	5.97E-32	0.352586
0.556976	2.09E-39	0.513521	8.80E-33	0.791672	#####	0.694124	2.21E-68	0.643727
0.229149	5.57E-07	0.3795	1.91E-17	0.508653	4.25E-32	0.560745	4.99E-40	0.310506
0.459419	9.21E-26	0.484291	7.80E-29	0.738565	1.20E-81	0.682516	2.62E-65	0.50715
0.575291	1.67E-42	0.508707	4.18E-32	0.812258	#####	0.589891	4.10E-45	0.687671
0.464837	2.07E-26	0.39591	5.64E-19	0.810214	#####	0.641363	1.79E-55	0.65846
0.507443	6.27E-32	0.440358	1.43E-23	0.705147	1.93E-71	0.58304	7.15E-44	0.555226
0.265093	5.96E-09	0.338485	5.55E-14	0.408802	3.07E-20	0.294296	8.76E-11	0.367299
0.412036	1.45E-20	0.410527	2.06E-20	0.695644	8.53E-69	0.660367	8.02E-60	0.521003
0.196538	1.89E-05	0.301857	2.71E-11	0.529953	3.56E-35	0.584686	3.62E-44	0.333014
0.22076	1.45E-06	0.166876	0.00029	0.66369	1.29E-60	0.430697	1.63E-22	0.522036
0.334682	1.10E-13	0.232418	3.80E-07	0.640594	2.64E-55	0.382348	1.05E-17	0.572852
0.36669	2.61E-16	0.283016	4.74E-10	0.689084	4.98E-67	0.457567	1.52E-25	0.540687
0.34439	1.89E-14	0.259387	1.29E-08	0.636664	1.91E-54	0.550447	2.39E-38	0.442007
0.217649	2.06E-06	0.235702	2.57E-07	0.524667	2.17E-34	0.350481	6.07E-15	0.376358
0.511641	1.62E-32	0.4815	1.78E-28	0.729525	9.81E-79	0.612168	2.30E-49	0.586346

0.325106	5.87E-13	0.402654	1.25E-19	0.695115	1.19E-68	0.603824	9.85E-48	0.562231
0.203433	9.39E-06	-0.02022	0.66293	0.29594	6.80E-11	0.214242	2.99E-06	0.09523
0.46934	5.88E-27	0.436562	3.75E-23	0.669	6.64E-62	0.496511	1.94E-30	0.506897
0.346891	1.19E-14	0.264996	6.04E-09	0.535454	5.26E-36	0.381897	1.16E-17	0.439321
0.230611	4.70E-07	0.259186	1.32E-08	0.559917	6.85E-40	0.580794	1.80E-43	0.330977
0.498349	1.10E-30	0.425156	6.36E-22	0.714295	4.35E-74	0.645839	1.80E-56	0.50776
0.507031	7.15E-32	0.574918	1.94E-42	0.68429	9.08E-66	0.546507	1.01E-37	0.647867
0.39738	4.07E-19	0.459605	8.76E-26	0.495054	3.04E-30	0.416203	5.46E-21	0.443685
0.46641	1.34E-26	0.567597	3.53E-41	0.664275	9.34E-61	0.615125	5.92E-50	0.559831
0.350692	5.83E-15	0.451371	8.05E-25	0.545535	1.44E-37	0.634812	4.79E-54	0.330942
0.25936	1.29E-08	0.216461	2.34E-06	0.36702	2.45E-16	0.398308	3.31E-19	0.292294
0.405515	6.53E-20	0.293836	9.40E-11	0.711096	3.77E-73	0.576958	8.56E-43	0.57182
0.391438	1.50E-18	0.372626	7.89E-17	0.541982	5.19E-37	0.440403	1.41E-23	0.463654
0.425747	5.51E-22	0.388707	2.71E-18	0.751799	3.92E-86	0.563131	2.00E-40	0.590633
0.521123	7.14E-34	0.565733	7.31E-41	0.765943	2.97E-91	0.617245	2.22E-50	0.634195
0.332461	1.63E-13	0.27757	1.04E-09	0.606005	3.73E-48	0.618318	1.34E-50	0.379376
0.305511	1.52E-11	0.192457	2.83E-05	0.546012	1.21E-37	0.326885	4.32E-13	0.414124
0.385923	4.93E-18	0.421363	1.59E-21	0.663303	1.60E-60	0.500571	5.50E-31	0.634341
0.34282	2.52E-14	0.285805	3.15E-10	0.648436	4.68E-57	0.351964	4.58E-15	0.578028
0.452668	5.70E-25	0.594794	5.07E-46	0.612356	2.11E-49	0.511778	1.55E-32	0.495635
0.483301	1.05E-28	0.545678	1.37E-37	0.609683	7.13E-49	0.502965	2.60E-31	0.524694
0.408556	3.25E-20	0.464066	2.57E-26	0.59736	1.68E-46	0.466766	1.21E-26	0.531179
0.399103	2.77E-19	0.31506	3.20E-12	0.677976	3.82E-64	0.526159	1.31E-34	0.590551
0.351426	5.08E-15	0.408459	3.33E-20	0.627848	1.45E-52	0.511533	1.68E-32	0.564146
0.201732	1.12E-05	0.433786	7.54E-23	0.425601	5.71E-22	0.604988	5.87E-48	0.297529
0.41484	7.53E-21	0.515193	5.09E-33	0.791133	#####	0.704556	2.85E-71	0.609059
-0.32883	3.08E-13	-0.2205	1.50E-06	-0.35512	2.51E-15	-0.25644	1.90E-08	-0.27061
0.626409	2.90E-52	0.583513	5.88E-44	0.86504	#####	0.699553	7.18E-70	0.722608
0.401112	1.77E-19	0.323788	7.36E-13	0.527923	7.15E-35	0.329189	2.90E-13	0.451438
0.23101	4.48E-07	0.123969	0.00731	0.403062	1.14E-19	0.293526	9.85E-11	0.26152
0.297754	5.14E-11	0.2676	4.23E-09	0.564176	1.34E-40	0.337436	6.71E-14	0.431862
-0.2863	2.92E-10	-0.28327	4.57E-10	-0.46845	7.56E-27	-0.32903	2.97E-13	-0.48226
0.195385	2.12E-05	0.32316	8.20E-13	0.44365	6.10E-24	0.434349	6.55E-23	0.387794
0.339381	4.72E-14	0.37215	8.69E-17	0.68762	1.22E-66	0.593799	7.78E-46	0.589007
0.228746	5.84E-07	0.142473	0.00203	0.398948	2.87E-19	0.30708	1.18E-11	0.287133
0.419873	2.28E-21	0.523159	3.61E-34	0.773315	4.55E-94	0.566109	6.31E-41	0.668683
0.354529	2.81E-15	0.239668	1.59E-07	0.583168	6.78E-44	0.309446	8.04E-12	0.594595
0.504716	1.49E-31	0.635544	3.33E-54	0.787229	1.10E-99	0.666555	2.63E-61	0.676296
0.477738	5.32E-28	0.360328	9.17E-16	0.68097	6.57E-65	0.4789	3.80E-28	0.595444
0.237305	2.12E-07	0.064422	0.16457	0.40298	1.16E-19	0.207375	6.22E-06	0.306052
0.391228	1.57E-18	0.446991	2.56E-24	0.799898	#####	0.726792	7.06E-78	0.626578
0.382908	9.34E-18	0.494448	3.66E-30	0.642445	1.03E-55	0.662425	2.60E-60	0.539129
0.475779	9.38E-28	0.518058	1.98E-33	0.56899	2.05E-41	0.55736	1.81E-39	0.525845
0.379535	1.90E-17	0.398219	3.38E-19	0.650725	1.41E-57	0.377375	2.97E-17	0.580255
0.374549	5.32E-17	0.44301	7.20E-24	0.672274	1.03E-62	0.560726	5.03E-40	0.508812

0.427368	3.71E-22	0.267215	4.46E-09	0.641612	1.57E-55	0.382573	1.00E-17	0.523732
0.240874	1.37E-07	0.259597	1.25E-08	0.424745	7.03E-22	0.370946	1.11E-16	0.289791
0.314372	3.59E-12	0.353157	3.66E-15	0.470236	4.56E-27	0.5086	4.33E-32	0.43591
0.608635	1.15E-48	0.380233	1.64E-17	0.701825	1.67E-70	0.543635	2.87E-37	0.588735
0.464	2.61E-26	0.488952	1.94E-29	0.806369	#####	0.728106	2.74E-78	0.65711
0.389253	2.41E-18	0.221539	1.33E-06	0.632076	1.85E-53	0.517795	2.16E-33	0.465698
0.420219	2.10E-21	0.499615	7.42E-31	0.670604	2.68E-62	0.608517	1.21E-48	0.522374
-0.30973	7.68E-12	-0.42252	1.21E-21	-0.43884	2.10E-23	-0.44091	1.24E-23	-0.36557
0.420153	2.13E-21	0.300463	3.37E-11	0.730785	3.92E-79	0.492732	6.18E-30	0.555524
0.474356	1.41E-27	0.287528	2.43E-10	0.633829	7.79E-54	0.444857	4.46E-24	0.461934
-0.38711	3.82E-18	-0.22223	1.23E-06	-0.4382	2.48E-23	-0.23542	2.65E-07	-0.39365
0.302483	2.45E-11	0.154977	0.00078	0.6336	8.73E-54	0.372074	8.83E-17	0.49208
0.246689	6.65E-08	0.249023	4.95E-08	0.39249	1.19E-18	0.462279	4.20E-26	0.236076
0.449282	1.40E-24	0.494942	3.15E-30	0.483914	8.72E-29	0.434361	6.53E-23	0.450379
0.38216	1.09E-17	0.338415	5.63E-14	0.76279	4.42E-90	0.630691	3.64E-53	0.535614
0.466576	1.28E-26	0.503467	2.22E-31	0.59878	9.04E-47	0.613729	1.13E-49	0.484853
0.207392	6.21E-06	0.427109	3.95E-22	0.477968	4.98E-28	0.505991	9.96E-32	0.511985
0.248765	5.11E-08	0.267178	4.48E-09	0.564984	9.77E-41	0.553017	9.21E-39	0.421949
0.32032	1.33E-12	0.461747	4.87E-26	0.7262	1.08E-77	0.708439	2.22E-72	0.549608
0.45261	5.79E-25	0.444858	4.46E-24	0.515326	4.88E-33	0.45869	1.12E-25	0.393748
0.455317	2.80E-25	0.320169	1.36E-12	0.726298	1.01E-77	0.530378	3.08E-35	0.561079
0.462022	4.51E-26	0.391729	1.41E-18	0.732609	1.03E-79	0.637931	1.01E-54	0.50496
0.442277	8.70E-24	0.537234	2.81E-36	0.619262	8.64E-51	0.522035	5.26E-34	0.607219
0.448016	1.95E-24	0.473263	1.93E-27	0.553551	7.55E-39	0.341448	3.24E-14	0.517373
0.173465	0.00017	-0.00649	0.88872	0.263455	7.45E-09	0.144124	0.00179	0.102504
0.530112	3.37E-35	0.586865	1.46E-44	0.660158	8.99E-60	0.682839	2.16E-65	0.529969
0.501262	4.43E-31	0.702617	1.00E-70	0.714337	4.23E-74	0.760461	3.16E-89	0.557735
0.45937	9.34E-26	0.261416	9.80E-09	0.744548	1.22E-83	0.53019	3.28E-35	0.523238
0.441684	1.01E-23	0.184784	5.89E-05	0.557407	1.78E-39	0.277196	1.10E-09	0.448992
0.291347	1.37E-10	0.232973	3.56E-07	0.501567	4.03E-31	0.406699	4.98E-20	0.33285
0.385964	4.88E-18	0.439438	1.80E-23	0.681491	4.82E-65	0.610968	3.98E-49	0.462577
0.409733	2.48E-20	0.573992	2.82E-42	0.714468	3.87E-74	0.698541	1.37E-69	0.597675
0.323011	8.41E-13	0.34209	2.88E-14	0.591337	2.22E-45	0.53978	1.14E-36	0.467896
0.361477	7.33E-16	0.245579	7.65E-08	0.455265	2.84E-25	0.332723	1.56E-13	0.227367
0.399505	2.54E-19	0.487171	3.31E-29	0.705537	1.50E-71	0.686387	2.57E-66	0.50172
0.268626	3.67E-09	0.26616	5.16E-09	0.476422	7.79E-28	0.398392	3.25E-19	0.258768
0.388261	2.98E-18	0.42259	1.19E-21	0.610509	4.90E-49	0.501585	4.01E-31	0.473593
0.460482	6.89E-26	0.38364	8.00E-18	0.744614	1.16E-83	0.531783	1.89E-35	0.603744
0.46936	5.84E-27	0.326819	4.37E-13	0.52571	1.52E-34	0.388328	2.94E-18	0.479807
0.176069	0.00013	0.350884	5.62E-15	0.475585	9.91E-28	0.472108	2.68E-27	0.436806
0.521498	6.30E-34	0.585057	3.10E-44	0.60882	1.05E-48	0.565706	7.38E-41	0.50942
0.424336	7.77E-22	0.343604	2.18E-14	0.736523	5.60E-81	0.594627	5.45E-46	0.57005
0.458824	1.08E-25	0.386842	4.05E-18	0.656892	5.28E-59	0.429519	2.18E-22	0.60427
0.080901	0.08073	0.19983	1.36E-05	0.450224	1.09E-24	0.35461	2.77E-15	0.313964
-0.24876	5.12E-08	-0.3769	3.28E-17	-0.63193	1.99E-53	-0.47215	2.65E-27	-0.5555

0.405915	5.96E-20	0.199457	1.41E-05	0.552593	1.08E-38	0.456713	1.92E-25	0.358982
0.392698	1.14E-18	0.497853	1.28E-30	0.526239	1.27E-34	0.574505	2.29E-42	0.422548
0.356507	1.92E-15	0.400986	1.82E-19	0.637956	9.98E-55	0.643573	5.78E-56	0.446909
0.415061	7.14E-21	0.345343	1.58E-14	0.450116	1.12E-24	0.346947	1.18E-14	0.390675
0.417254	4.25E-21	0.303255	2.17E-11	0.740418	2.94E-82	0.614766	6.99E-50	0.503441
0.447115	2.47E-24	0.389721	2.18E-18	0.739669	5.21E-82	0.482193	1.45E-28	0.623905
0.409142	2.84E-20	0.340749	3.68E-14	0.696266	5.77E-69	0.525035	1.91E-34	0.554833
0.391467	1.49E-18	0.375345	4.52E-17	0.805311	#####	0.661692	3.88E-60	0.655312
0.515741	4.25E-33	0.632029	1.89E-53	0.815119	#####	0.799246	#####	0.688776
0.4464	2.98E-24	0.727977	3.01E-78	0.680075	1.11E-64	0.752562	2.12E-86	0.503502
0.474274	1.44E-27	0.377244	3.05E-17	0.496121	2.19E-30	0.391909	1.36E-18	0.368352
0.378571	2.32E-17	0.462122	4.39E-26	0.647655	7.03E-57	0.501822	3.72E-31	0.567048
0.388298	2.96E-18	0.350381	6.18E-15	0.682596	2.50E-65	0.578662	4.29E-43	0.450199
-0.16798	0.00027	-0.24243	1.13E-07	-0.43526	5.21E-23	-0.33702	7.24E-14	-0.37262
0.436841	3.49E-23	0.357268	1.66E-15	0.722655	1.34E-76	0.583665	5.52E-44	0.625515
0.49897	9.06E-31	0.230454	4.79E-07	0.653339	3.54E-58	0.360412	9.02E-16	0.504142
0.520486	8.84E-34	0.512326	1.30E-32	0.870661	#####	0.695398	9.96E-69	0.71797
0.509161	3.61E-32	0.329843	2.58E-13	0.669503	5.00E-62	0.483466	9.96E-29	0.550587
0.458116	1.31E-25	0.537764	2.33E-36	0.618765	1.09E-50	0.539852	1.11E-36	0.486303
0.438797	2.12E-23	0.603962	9.27E-48	0.746331	3.03E-84	0.669289	5.64E-62	0.617872
0.514641	6.10E-33	0.527102	9.47E-35	0.83596	#####	0.654045	2.43E-58	0.706291
0.300381	3.41E-11	0.369185	1.58E-16	0.533286	1.12E-35	0.432709	9.87E-23	0.352922
0.492578	6.48E-30	0.39438	7.89E-19	0.804142	#####	0.526252	1.27E-34	0.664241
0.397085	4.35E-19	0.289316	1.86E-10	0.845969	#####	0.626436	2.87E-52	0.650979
0.53485	6.50E-36	0.465035	1.96E-26	0.804544	#####	0.62024	5.46E-51	0.630521
0.383531	8.19E-18	0.471874	2.87E-27	0.632039	1.88E-53	0.608582	1.17E-48	0.480357
0.33353	1.35E-13	0.398429	3.22E-19	0.459182	9.83E-26	0.360634	8.64E-16	0.358684
0.55496	4.46E-39	0.626691	2.53E-52	0.779895	1.13E-96	0.647598	7.24E-57	0.702367
0.4213	1.62E-21	0.520635	8.41E-34	0.562942	2.15E-40	0.543394	3.13E-37	0.402424
0.265008	6.03E-09	0.125441	0.00664	0.250735	3.98E-08	0.20493	8.04E-06	0.142662
0.388453	2.86E-18	0.140771	0.0023	0.439192	1.92E-23	0.184596	6.00E-05	0.425815
0.497511	1.42E-30	0.355123	2.51E-15	0.781156	3.50E-97	0.660127	9.15E-60	0.537938
0.279897	7.47E-10	0.110264	0.01714	0.404143	8.92E-20	0.267052	4.56E-09	0.237192
0.371876	9.19E-17	0.397629	3.85E-19	0.750031	1.62E-85	0.649346	2.91E-57	0.571286
0.46422	2.46E-26	0.430243	1.82E-22	0.779687	1.37E-96	0.552514	1.11E-38	0.604087
0.499031	8.89E-31	0.45426	3.72E-25	0.740018	3.99E-82	0.535303	5.55E-36	0.566682
0.421742	1.45E-21	0.426513	4.57E-22	0.637735	1.11E-54	0.543943	2.56E-37	0.488114
0.388913	2.59E-18	0.491986	7.76E-30	0.541912	5.33E-37	0.411245	1.74E-20	0.483891
0.314761	3.37E-12	0.415281	6.78E-21	0.570096	1.32E-41	0.614892	6.59E-50	0.443628
0.438754	2.15E-23	0.525639	1.56E-34	0.755268	2.34E-87	0.653834	2.72E-58	0.654404
0.348615	8.62E-15	0.432804	9.64E-23	0.370432	1.23E-16	0.411339	1.71E-20	0.316088
0.493384	5.07E-30	0.522783	4.09E-34	0.682576	2.53E-65	0.586545	1.67E-44	0.593874
0.351605	4.91E-15	0.511082	1.94E-32	0.648984	3.51E-57	0.605886	3.93E-48	0.543806
0.537589	2.48E-36	0.719984	8.70E-76	0.758769	1.30E-88	0.687122	1.65E-66	0.703468
0.186914	4.82E-05	0.200972	1.21E-05	0.550705	2.17E-38	0.485039	6.25E-29	0.312111



0.424216	8.00E-22	0.481735	1.66E-28	0.858621	#####	0.719193	1.51E-75	0.720249
-0.2812	6.18E-10	-0.29493	7.95E-11	-0.42229	1.27E-21	-0.33577	9.05E-14	-0.3189
0.297957	4.98E-11	0.165884	0.00032	0.399686	2.44E-19	0.19835	1.58E-05	0.280202
0.393951	8.67E-19	0.192197	2.90E-05	0.551429	1.66E-38	0.271693	2.40E-09	0.411779
0.412552	1.29E-20	0.499137	8.61E-31	0.687439	1.36E-66	0.700483	3.96E-70	0.560255
0.398028	3.53E-19	0.534061	8.57E-36	0.631378	2.60E-53	0.613947	1.02E-49	0.557774
0.060566	0.19137	-0.2252	8.79E-07	-0.44863	1.66E-24	-0.3271	4.16E-13	-0.43082
0.485386	5.64E-29	0.543496	3.01E-37	0.559625	7.66E-40	0.610593	4.72E-49	0.463982
-0.30197	2.66E-11	-0.34951	7.29E-15	-0.58787	9.59E-45	-0.52217	5.03E-34	-0.48437
0.57147	7.69E-42	0.437607	2.87E-23	0.819288	#####	0.605793	4.10E-48	0.643133
0.475061	1.15E-27	0.420699	1.87E-21	0.690628	1.93E-67	0.547124	8.08E-38	0.557329
0.296703	6.05E-11	0.489127	1.84E-29	0.522319	4.78E-34	0.528065	6.81E-35	0.382334
0.461168	5.71E-26	0.303823	1.98E-11	0.600396	4.46E-47	0.418552	3.12E-21	0.366292
0.392078	1.31E-18	0.460809	6.30E-26	0.503701	2.06E-31	0.455992	2.33E-25	0.351111
0.434618	6.12E-23	0.222773	1.16E-06	0.700662	3.53E-70	0.423625	9.23E-22	0.585193
0.512004	1.44E-32	0.621652	2.80E-51	0.789638	#####	0.641423	1.73E-55	0.635021
0.347229	1.12E-14	0.320722	1.24E-12	0.548997	4.07E-38	0.481839	1.61E-28	0.41962
0.492447	6.74E-30	0.683451	1.50E-65	0.759798	5.51E-89	0.730731	4.08E-79	0.59303
0.391003	1.65E-18	0.568632	2.35E-41	0.7613	1.56E-89	0.716047	1.32E-74	0.602039
0.384499	6.67E-18	0.242687	1.10E-07	0.592259	1.50E-45	0.393788	8.99E-19	0.499566
0.389285	2.39E-18	0.247406	6.07E-08	0.792375	#####	0.558814	1.04E-39	0.552442
0.38438	6.84E-18	0.391905	1.36E-18	0.703817	4.60E-71	0.496116	2.19E-30	0.612476
0.401779	1.52E-19	0.466741	1.22E-26	0.424681	7.14E-22	0.512431	1.26E-32	0.282193
0.320675	1.25E-12	0.250156	4.28E-08	0.504704	1.50E-31	0.377427	2.94E-17	0.37375
0.287593	2.41E-10	0.183179	6.84E-05	0.403186	1.11E-19	0.277892	9.97E-10	0.288891
0.357016	1.74E-15	0.434518	6.27E-23	0.676299	1.02E-63	0.611009	3.90E-49	0.460978
0.488991	1.92E-29	0.663044	1.85E-60	0.742467	6.11E-83	0.728752	1.72E-78	0.622172
0.300143	3.54E-11	0.2796	7.79E-10	0.474701	1.28E-27	0.374033	5.92E-17	0.387199
0.453699	4.32E-25	0.44889	1.55E-24	0.683552	1.41E-65	0.583491	5.94E-44	0.543093
0.245662	7.57E-08	0.15566	0.00074	0.512493	1.23E-32	0.384754	6.32E-18	0.261698
0.470168	4.65E-27	0.488509	2.22E-29	0.783398	4.27E-98	0.584896	3.32E-44	0.62811
-0.33161	1.89E-13	-0.16847	0.00025	-0.51079	2.14E-32	-0.31315	4.39E-12	-0.39412
0.401823	1.51E-19	0.192487	2.82E-05	0.640378	2.94E-55	0.509935	2.82E-32	0.469186
-0.12142	0.00862	-0.22962	5.28E-07	-0.42362	9.24E-22	-0.23714	2.16E-07	-0.42095
0.450706	9.60E-25	0.471853	2.88E-27	0.873561	#####	0.71448	3.84E-74	0.720362
0.361105	7.88E-16	0.348812	8.30E-15	0.63347	9.30E-54	0.518234	1.87E-33	0.457987
0.222074	1.25E-06	0.17211	0.00019	0.351248	5.25E-15	0.222621	1.18E-06	0.291935
0.414425	8.30E-21	0.344095	2.00E-14	0.697408	2.81E-69	0.569585	1.62E-41	0.515906
0.476183	8.35E-28	0.331475	1.94E-13	0.64673	1.14E-56	0.449825	1.21E-24	0.538103
0.33361	1.33E-13	0.398296	3.32E-19	0.634087	6.86E-54	0.485218	5.93E-29	0.427175
0.294633	8.32E-11	0.275502	1.40E-09	0.502867	2.68E-31	0.49662	1.88E-30	0.314118
-0.27374	1.80E-09	-0.17233	0.00018	-0.38735	3.63E-18	-0.26838	3.80E-09	-0.27877
0.331687	1.87E-13	0.324488	6.53E-13	0.519752	1.13E-33	0.473538	1.78E-27	0.432446
0.353821	3.22E-15	0.416402	5.21E-21	0.556194	2.81E-39	0.489739	1.53E-29	0.527048
0.442817	7.57E-24	0.452201	6.45E-25	0.775904	4.40E-95	0.648518	4.48E-57	0.630243

0.350171	6.43E-15	0.396716	4.72E-19	0.458665	1.13E-25	0.487652	2.87E-29	0.360235
0.419908	2.26E-21	0.406639	5.05E-20	0.562047	3.03E-40	0.497874	1.27E-30	0.474467
0.494074	4.10E-30	0.388378	2.91E-18	0.759326	8.17E-89	0.622029	2.35E-51	0.63155
0.376583	3.50E-17	0.413082	1.14E-20	0.415035	7.19E-21	0.52838	6.12E-35	0.339782
0.322438	9.27E-13	0.439218	1.91E-23	0.458975	1.04E-25	0.608335	1.31E-48	0.370965
0.356143	2.06E-15	0.505309	1.24E-31	0.552885	9.67E-39	0.636693	1.88E-54	0.452776
0.334697	1.10E-13	0.437201	3.19E-23	0.624486	7.30E-52	0.418807	2.94E-21	0.588992
0.242445	1.13E-07	0.402635	1.26E-19	0.356584	1.90E-15	0.438066	2.56E-23	0.30183
0.236966	2.21E-07	0.437599	2.88E-23	0.403521	1.03E-19	0.464959	2.00E-26	0.378534
0.489943	1.44E-29	0.452578	5.84E-25	0.715481	1.94E-74	0.576321	1.11E-42	0.595768
0.36563	3.23E-16	0.468155	8.20E-27	0.56659	5.24E-41	0.544658	1.98E-37	0.440153
0.362836	5.61E-16	0.418431	3.22E-21	0.635077	4.20E-54	0.611353	3.34E-49	0.488148
0.444464	4.94E-24	0.52528	1.76E-34	0.498352	1.10E-30	0.483882	8.80E-29	0.403099
0.504752	1.48E-31	0.531583	2.03E-35	0.634739	4.97E-54	0.411669	1.58E-20	0.72928
0.565278	8.72E-41	0.70839	2.29E-72	0.693622	3.02E-68	0.699434	7.74E-70	0.558988
0.314301	3.63E-12	0.284915	3.59E-10	0.395416	6.29E-19	0.311303	5.94E-12	0.268648
0.452502	5.96E-25	0.511534	1.68E-32	0.769464	1.38E-92	0.750476	1.13E-85	0.553014
0.312786	4.66E-12	0.393668	9.23E-19	0.694058	2.30E-68	0.598474	1.03E-46	0.543864
0.462784	3.66E-26	0.267931	4.04E-09	0.545664	1.38E-37	0.298275	4.74E-11	0.493543
0.337452	6.69E-14	0.30563	1.49E-11	0.527526	8.19E-35	0.369443	1.50E-16	0.34524
0.214041	3.05E-06	0.334293	1.18E-13	0.551109	1.87E-38	0.448353	1.79E-24	0.509492
0.321474	1.09E-12	0.143392	0.00189	0.604089	8.76E-48	0.409328	2.72E-20	0.458676
0.326183	4.88E-13	0.511292	1.82E-32	0.499532	7.61E-31	0.497495	1.43E-30	0.373008
0.368409	1.85E-16	0.165186	0.00034	0.509884	2.86E-32	0.327894	3.63E-13	0.385314
0.295782	6.97E-11	0.476197	8.31E-28	0.690868	1.67E-67	0.735164	1.55E-80	0.566068
0.411787	1.54E-20	0.353129	3.67E-15	0.486244	4.37E-29	0.379805	1.79E-17	0.36817
-0.38139	1.29E-17	-0.19902	1.47E-05	-0.41375	9.72E-21	-0.2764	1.23E-09	-0.3079
0.428257	2.98E-22	0.21175	3.91E-06	0.708042	2.88E-72	0.446426	2.96E-24	0.551403
0.250135	4.29E-08	0.06993	0.1313	0.346511	1.28E-14	0.201933	1.10E-05	0.243925
0.337302	6.87E-14	0.220729	1.46E-06	0.483258	1.06E-28	0.36491	3.72E-16	0.428415
0.505871	1.03E-31	0.420555	1.94E-21	0.83651	#####	0.646523	1.27E-56	0.666835
0.445018	4.28E-24	0.273569	1.84E-09	0.825614	#####	0.546316	1.08E-37	0.617288
0.387613	3.43E-18	0.470227	4.57E-27	0.790728	#####	0.785372	6.55E-99	0.674513
0.28692	2.67E-10	0.458909	1.06E-25	0.624998	5.71E-52	0.667754	1.34E-61	0.522558
0.403382	1.06E-19	0.362545	5.94E-16	0.694656	1.59E-68	0.557737	1.57E-39	0.454118
0.55371	7.11E-39	0.525851	1.45E-34	0.682705	2.34E-65	0.437872	2.69E-23	0.597605
0.463531	2.98E-26	0.495635	2.54E-30	0.681189	5.77E-65	0.657863	3.13E-59	0.576859
0.435779	4.57E-23	0.204405	8.49E-06	0.595588	3.61E-46	0.470906	3.77E-27	0.379957
0.426871	4.19E-22	0.379508	1.91E-17	0.518056	1.98E-33	0.458431	1.21E-25	0.390105
0.395601	6.03E-19	0.379715	1.83E-17	0.517772	2.18E-33	0.362961	5.47E-16	0.442393
0.311229	6.02E-12	0.272739	2.07E-09	0.560396	5.71E-40	0.402717	1.23E-19	0.453869
0.373434	6.69E-17	0.324006	7.10E-13	0.503945	1.91E-31	0.341085	3.47E-14	0.302732
0.484665	6.98E-29	0.58501	3.16E-44	0.667161	1.87E-61	0.594652	5.39E-46	0.493193
0.386283	4.56E-18	0.368766	1.72E-16	0.475819	9.27E-28	0.417923	3.63E-21	0.361222
0.437531	2.93E-23	0.347303	1.10E-14	0.678037	3.69E-64	0.569475	1.69E-41	0.437998

0.351821	4.71E-15	0.267583	4.24E-09	0.630167	4.70E-53	0.476747	7.09E-28	0.452797
0.307959	1.02E-11	0.344432	1.88E-14	0.527771	7.54E-35	0.420373	2.02E-21	0.357933
0.33797	6.10E-14	0.500215	6.15E-31	0.649672	2.45E-57	0.703343	6.26E-71	0.528214
0.084474	0.06817	0.276367	1.24E-09	0.375892	4.04E-17	0.452155	6.53E-25	0.267096
0.54729	7.61E-38	0.40603	5.81E-20	0.770927	3.81E-93	0.575465	1.56E-42	0.647516
0.550168	2.65E-38	0.560995	4.54E-40	0.877069	#####	0.713524	7.35E-74	0.749776
0.385244	5.69E-18	0.443291	6.70E-24	0.605945	3.83E-48	0.576473	1.04E-42	0.438517
0.461534	5.16E-26	0.337606	6.51E-14	0.618836	1.05E-50	0.446071	3.25E-24	0.42067
0.45096	8.98E-25	0.363947	4.50E-16	0.819057	#####	0.607654	1.78E-48	0.715293
0.533286	1.12E-35	0.449516	1.32E-24	0.717798	3.96E-75	0.640073	3.44E-55	0.617571
0.319568	1.51E-12	0.451178	8.47E-25	0.567892	3.15E-41	0.529497	4.17E-35	0.649107
0.431318	1.40E-22	0.240615	1.41E-07	0.696181	6.09E-69	0.507002	7.22E-32	0.589981
0.539744	1.16E-36	0.610051	6.03E-49	0.752688	1.91E-86	0.710814	4.56E-73	0.627471
0.355571	2.30E-15	0.431791	1.24E-22	0.736777	4.63E-81	0.700784	3.26E-70	0.576235
0.404777	7.73E-20	0.291072	1.43E-10	0.554192	5.94E-39	0.402637	1.25E-19	0.455832
0.389755	2.16E-18	0.26703	4.58E-09	0.690537	2.04E-67	0.461897	4.67E-26	0.533299
0.467138	1.09E-26	0.623583	1.12E-51	0.689296	4.37E-67	0.620864	4.07E-51	0.540606
0.411987	1.47E-20	0.368227	1.92E-16	0.730637	4.37E-79	0.515448	4.69E-33	0.583871
0.443199	6.86E-24	0.606347	3.20E-48	0.716997	6.87E-75	0.666054	3.47E-61	0.618368
0.508325	4.73E-32	0.589546	4.74E-45	0.728926	1.52E-78	0.624879	6.05E-52	0.647018
0.429719	2.08E-22	0.426175	4.96E-22	0.643437	6.20E-56	0.474255	1.45E-27	0.479173
0.531497	2.09E-35	0.476624	7.35E-28	0.759014	1.06E-88	0.582111	1.05E-43	0.577545
0.336181	8.41E-14	0.320608	1.27E-12	0.385193	5.75E-18	0.468078	8.38E-27	0.248061
0.431801	1.24E-22	0.348347	9.06E-15	0.835045	#####	0.624551	7.07E-52	0.686627
0.446985	2.56E-24	0.410255	2.20E-20	0.715599	1.79E-74	0.463416	3.07E-26	0.626748
0.345172	1.64E-14	0.447702	2.12E-24	0.73717	3.45E-81	0.641597	1.59E-55	0.564304
0.507916	5.39E-32	0.450858	9.22E-25	0.802294	#####	0.611572	3.02E-49	0.646452
0.440182	1.49E-23	0.453885	4.11E-25	0.734778	2.06E-80	0.687712	1.15E-66	0.593671
0.501711	3.85E-31	0.675723	1.42E-63	0.700665	3.52E-70	0.638492	7.62E-55	0.602294
0.323674	7.51E-13	0.403759	9.73E-20	0.488588	2.17E-29	0.484606	7.11E-29	0.352889
0.195581	2.08E-05	0.214008	3.06E-06	0.365902	3.06E-16	0.334969	1.04E-13	0.229635
0.256333	1.92E-08	0.278645	8.94E-10	0.375556	4.33E-17	0.310765	6.49E-12	0.315502
0.334038	1.23E-13	0.23429	3.04E-07	0.508046	5.17E-32	0.406723	4.95E-20	0.319946
0.53768	2.40E-36	0.59341	9.18E-46	0.817982	#####	0.591922	1.73E-45	0.674966
0.410352	2.15E-20	0.323564	7.65E-13	0.748119	7.39E-85	0.541504	6.16E-37	0.525112
0.392409	1.22E-18	0.405527	6.51E-20	0.481637	1.71E-28	0.518502	1.71E-33	0.345379
0.484046	8.39E-29	0.544068	2.45E-37	0.746564	2.52E-84	0.568204	2.79E-41	0.659489
0.533505	1.04E-35	0.552349	1.18E-38	0.799397	#####	0.631803	2.11E-53	0.707632
0.554569	5.16E-39	0.649895	2.18E-57	0.748845	4.16E-85	0.593333	9.49E-46	0.644641
0.100163	0.03045	0.317668	2.07E-12	0.448324	1.80E-24	0.463296	3.18E-26	0.377567
0.422991	1.08E-21	0.324555	6.46E-13	0.482989	1.15E-28	0.353911	3.17E-15	0.334683
0.327699	3.75E-13	0.453913	4.08E-25	0.621402	3.16E-51	0.700336	4.35E-70	0.477
0.33954	4.59E-14	0.306526	1.29E-11	0.383107	8.96E-18	0.391783	1.39E-18	0.170773
-0.19577	2.04E-05	-0.0775	0.09436	-0.44353	6.29E-24	-0.19507	2.19E-05	-0.40021
0.409746	2.47E-20	0.258321	1.48E-08	0.81943	#####	0.599505	6.59E-47	0.654605

0.176636	0.00012	0.155484	0.00075	0.45637	2.11E-25	0.36756	2.19E-16	0.345395
0.386822	4.06E-18	0.531592	2.02E-35	0.550128	2.69E-38	0.558062	1.39E-39	0.475705
0.438867	2.09E-23	0.641634	1.56E-55	0.661883	3.50E-60	0.653164	3.88E-58	0.558201
0.476579	7.44E-28	0.305315	1.56E-11	0.630014	5.07E-53	0.522668	4.25E-34	0.535188
-0.14791	0.00135	-0.20897	5.26E-06	-0.42759	3.51E-22	-0.29196	1.25E-10	-0.37499
0.280245	7.10E-10	0.165782	0.00032	0.386817	4.07E-18	0.250678	4.01E-08	0.229031
0.493017	5.67E-30	0.350472	6.08E-15	0.716179	1.20E-74	0.421725	1.46E-21	0.604854
0.444285	5.18E-24	0.643811	5.12E-56	0.726975	6.19E-78	0.694272	2.02E-68	0.614995
0.375441	4.43E-17	0.471327	3.35E-27	0.588519	7.30E-45	0.695453	9.62E-69	0.434945
0.420679	1.88E-21	0.460714	6.46E-26	0.72965	8.96E-79	0.644582	3.45E-56	0.595541
0.220552	1.49E-06	0.318398	1.84E-12	0.541592	5.97E-37	0.461381	5.38E-26	0.433259
0.382176	1.09E-17	0.409408	2.67E-20	0.816127	#####	0.635796	2.94E-54	0.672172
0.546327	1.08E-37	0.544292	2.26E-37	0.862291	#####	0.681612	4.49E-65	0.695852
0.769853	9.83E-93	0.669055	6.44E-62	0.859355	#####	0.71421	4.61E-74	0.709983
0.316362	2.58E-12	0.296258	6.48E-11	0.674098	3.63E-63	0.444664	4.69E-24	0.576902
0.407561	4.09E-20	0.342156	2.85E-14	0.508512	4.45E-32	0.332616	1.59E-13	0.508434
0.415378	6.63E-21	0.456437	2.07E-25	0.804479	#####	0.651531	9.22E-58	0.612195
0.305646	1.48E-11	0.363527	4.89E-16	0.669636	4.64E-62	0.618819	1.06E-50	0.461944
0.361853	6.81E-16	0.478235	4.61E-28	0.634577	5.38E-54	0.66442	8.62E-61	0.515454
0.414288	8.57E-21	0.45792	1.39E-25	0.515841	4.12E-33	0.382643	9.88E-18	0.459387
0.350621	5.91E-15	0.324366	6.67E-13	0.735006	1.74E-80	0.586948	1.41E-44	0.578902
0.211325	4.09E-06	0.140393	0.00236	0.405874	6.02E-20	0.234646	2.91E-07	0.350289
0.404303	8.60E-20	0.467305	1.04E-26	0.642237	1.14E-55	0.517708	2.22E-33	0.600331
0.45073	9.54E-25	0.559605	7.72E-40	0.68527	5.04E-66	0.645886	1.76E-56	0.537497
0.45868	1.13E-25	0.2909	1.47E-10	0.526381	1.21E-34	0.283815	4.22E-10	0.509974
0.348448	8.89E-15	0.236248	2.40E-07	0.564523	1.17E-40	0.397287	4.16E-19	0.380544
-0.4221	1.33E-21	-0.46788	8.85E-27	-0.66537	5.08E-61	-0.64871	4.05E-57	-0.59093
0.543154	3.41E-37	0.531637	1.99E-35	0.640356	2.98E-55	0.522748	4.14E-34	0.534158
-0.18173	7.83E-05	-0.42887	2.56E-22	-0.56792	3.11E-41	-0.40743	4.21E-20	-0.53027
0.21612	2.43E-06	0.422528	1.20E-21	0.492361	6.92E-30	0.438437	2.33E-23	0.504742
0.357147	1.70E-15	0.457088	1.74E-25	0.413397	1.06E-20	0.505031	1.35E-31	0.284078
0.307436	1.11E-11	0.39423	8.16E-19	0.548967	4.12E-38	0.46714	1.09E-26	0.468175
0.361161	7.79E-16	0.334294	1.18E-13	0.662236	2.88E-60	0.602249	1.98E-47	0.482979
0.165925	0.00032	0.469725	5.27E-27	0.452182	6.48E-25	0.54017	9.93E-37	0.321687
0.335062	1.03E-13	0.260992	1.04E-08	0.538638	1.71E-36	0.453156	5.00E-25	0.427568
0.22669	7.41E-07	0.434014	7.12E-23	0.442705	7.79E-24	0.57051	1.12E-41	0.4271
0.364001	4.46E-16	0.323902	7.22E-13	0.695755	7.96E-69	0.607924	1.58E-48	0.546402
0.31124	6.00E-12	0.505866	1.04E-31	0.465201	1.87E-26	0.432497	1.04E-22	0.361356
0.31332	4.27E-12	0.14155	0.00217	0.365749	3.15E-16	0.263765	7.14E-09	0.245173
0.286412	2.87E-10	0.299671	3.81E-11	0.617027	2.45E-50	0.509814	2.93E-32	0.502537
0.435599	4.78E-23	0.452739	5.59E-25	0.652675	5.03E-58	0.616647	2.93E-50	0.484573
0.334477	1.14E-13	0.250192	4.26E-08	0.408339	3.42E-20	0.268911	3.53E-09	0.320193
0.425645	5.65E-22	0.341881	3.00E-14	0.722608	1.38E-76	0.555726	3.34E-39	0.589572
0.34591	1.43E-14	0.319244	1.59E-12	0.68653	2.36E-66	0.524296	2.46E-34	0.482906
0.240137	1.50E-07	0.220677	1.47E-06	0.60593	3.86E-48	0.455301	2.81E-25	0.401539

0.324056	7.03E-13	0.258485	1.45E-08	0.778174	5.53E-96	0.581943	1.12E-43	0.553093
0.398566	3.13E-19	0.318664	1.76E-12	0.740461	2.85E-82	0.573043	4.12E-42	0.558089
0.389843	2.12E-18	0.29367	9.64E-11	0.835519	#####	0.583311	6.39E-44	0.610513
0.366681	2.62E-16	0.288016	2.26E-10	0.749762	2.00E-85	0.578176	5.23E-43	0.55802
0.501049	4.74E-31	0.574394	2.40E-42	0.709505	1.09E-72	0.578777	4.10E-43	0.552989
0.361153	7.81E-16	0.262112	8.93E-09	0.685968	3.31E-66	0.606008	3.72E-48	0.459238
0.382877	9.40E-18	0.338214	5.83E-14	0.559658	7.56E-40	0.445243	4.03E-24	0.502499
0.450127	1.12E-24	0.567779	3.29E-41	0.613399	1.31E-49	0.535392	5.38E-36	0.540132
0.365979	3.01E-16	0.367506	2.22E-16	0.579525	3.02E-43	0.347258	1.11E-14	0.524198
0.208069	5.79E-06	0.333969	1.25E-13	0.435101	5.42E-23	0.431666	1.28E-22	0.325862
0.254979	2.30E-08	0.312917	4.56E-12	0.599283	7.26E-47	0.601331	2.96E-47	0.447221
0.496995	1.67E-30	0.690401	2.22E-67	0.757318	4.33E-88	0.758464	1.67E-88	0.57471
0.477508	5.69E-28	0.54806	5.74E-38	0.587116	1.32E-44	0.468594	7.25E-27	0.497125
0.395707	5.89E-19	0.433724	7.66E-23	0.743617	2.51E-83	0.757817	2.87E-88	0.583943
0.30792	1.03E-11	0.217956	1.99E-06	0.583576	5.73E-44	0.535344	5.47E-36	0.449258
0.451531	7.71E-25	0.418611	3.08E-21	0.761589	1.22E-89	0.626658	2.58E-52	0.559228
0.408159	3.56E-20	0.452192	6.47E-25	0.658039	2.84E-59	0.608643	1.14E-48	0.528006
0.439656	1.71E-23	0.301562	2.84E-11	0.518823	1.54E-33	0.38298	9.20E-18	0.411092
0.363507	4.91E-16	0.267765	4.14E-09	0.712129	1.89E-73	0.524901	2.00E-34	0.529861
0.386772	4.11E-18	0.331313	2.00E-13	0.737918	1.96E-81	0.594404	6.00E-46	0.571735
0.242635	1.10E-07	0.288169	2.21E-10	0.585644	2.43E-44	0.461434	5.31E-26	0.483751
0.396388	5.07E-19	0.293662	9.65E-11	0.690591	1.98E-67	0.548625	4.67E-38	0.52758
0.437351	3.07E-23	0.281212	6.17E-10	0.641827	1.41E-55	0.474378	1.40E-27	0.498094
0.399728	2.41E-19	0.354683	2.73E-15	0.821532	#####	0.624739	6.47E-52	0.625962
0.512112	1.39E-32	0.486122	4.53E-29	0.7219	2.28E-76	0.525509	1.63E-34	0.536082
0.484985	6.35E-29	0.41381	9.59E-21	0.775681	5.39E-95	0.545716	1.35E-37	0.635798
0.375107	4.75E-17	0.399732	2.41E-19	0.527708	7.70E-35	0.629428	6.74E-53	0.457206
0.429856	2.01E-22	0.575472	1.56E-42	0.807461	#####	0.778914	2.80E-96	0.657314
0.456355	2.12E-25	0.485198	5.96E-29	0.818175	#####	0.682273	3.03E-65	0.680714
0.458433	1.21E-25	0.275084	1.49E-09	0.648546	4.42E-57	0.463185	3.27E-26	0.517244
0.343901	2.07E-14	0.404441	8.34E-20	0.651499	9.38E-58	0.557046	2.03E-39	0.569463
0.434791	5.86E-23	0.397598	3.88E-19	0.595636	3.53E-46	0.591435	2.13E-45	0.419462
0.584576	3.79E-44	0.488423	2.27E-29	0.707738	3.52E-72	0.605809	4.07E-48	0.611438
-0.36593	3.04E-16	-0.27406	1.72E-09	-0.36175	6.95E-16	-0.2044	8.49E-06	-0.29562
0.463377	3.11E-26	0.447664	2.14E-24	0.595719	3.41E-46	0.541249	6.75E-37	0.390068
0.220795	1.45E-06	0.246867	6.50E-08	0.464415	2.33E-26	0.400414	2.07E-19	0.299208
0.336178	8.41E-14	0.194098	2.41E-05	0.612735	1.78E-49	0.388952	2.57E-18	0.489468
-0.09305	0.04444	-0.17969	9.44E-05	-0.40995	2.35E-20	-0.34147	3.23E-14	-0.28641
-0.2839	4.16E-10	-0.21726	2.15E-06	-0.36727	2.33E-16	-0.2984	4.65E-11	-0.24442
0.353907	3.17E-15	0.397976	3.57E-19	0.566943	4.56E-41	0.537356	2.69E-36	0.477681
0.339104	4.97E-14	0.346897	1.19E-14	0.687217	1.55E-66	0.470373	4.39E-27	0.607259
0.323925	7.19E-13	0.224046	1.00E-06	0.699985	5.45E-70	0.473669	1.72E-27	0.55821
-0.35937	1.11E-15	-0.43938	1.83E-23	-0.49515	2.95E-30	-0.31299	4.51E-12	-0.49493
0.282161	5.37E-10	0.431539	1.32E-22	0.54392	2.59E-37	0.536045	4.28E-36	0.500262
0.433691	7.72E-23	0.475133	1.13E-27	0.745915	4.19E-84	0.506144	9.49E-32	0.659741

0.502505	3.00E-31	0.509088	3.70E-32	0.855005	#####	0.723945	5.38E-77	0.722926
0.389925	2.08E-18	0.242861	1.07E-07	0.684409	8.46E-66	0.555858	3.18E-39	0.453078
-0.02388	0.60673	-0.22162	1.32E-06	-0.38172	1.20E-17	-0.24014	1.50E-07	-0.31625
0.477481	5.73E-28	0.306341	1.33E-11	0.699548	7.20E-70	0.389291	2.39E-18	0.56281
0.462333	4.14E-26	0.427878	3.27E-22	0.681223	5.65E-65	0.593833	7.66E-46	0.687421
-0.13755	0.0029	-0.20072	1.24E-05	-0.37854	2.33E-17	-0.24023	1.48E-07	-0.39342
0.230532	4.74E-07	0.387951	3.19E-18	0.418107	3.47E-21	0.452326	6.24E-25	0.258959
0.548122	5.61E-38	0.645119	2.61E-56	0.747103	1.65E-84	0.719643	1.10E-75	0.611343
0.454727	3.28E-25	0.585692	2.38E-44	0.747078	1.68E-84	0.663164	1.73E-60	0.641298
0.397405	4.05E-19	0.305252	1.58E-11	0.738433	1.33E-81	0.500403	5.80E-31	0.600013
0.264814	6.19E-09	0.22417	9.89E-07	0.422949	1.09E-21	0.298549	4.54E-11	0.334538
0.396776	4.65E-19	0.339629	4.52E-14	0.663047	1.84E-60	0.501784	3.76E-31	0.512086
0.365495	3.31E-16	0.282886	4.83E-10	0.697427	2.77E-69	0.524019	2.70E-34	0.51299
0.379104	2.08E-17	0.157377	0.00064	0.575158	1.77E-42	0.443966	5.62E-24	0.383744
0.500761	5.18E-31	0.601996	2.21E-47	0.709874	8.54E-73	0.561845	3.28E-40	0.62304
0.484414	7.52E-29	0.471732	2.98E-27	0.762265	6.89E-90	0.630733	3.57E-53	0.59895
0.443232	6.80E-24	0.443194	6.87E-24	0.783364	4.41E-98	0.674427	3.00E-63	0.680827
0.32622	4.85E-13	0.453301	4.81E-25	0.540625	8.44E-37	0.556494	2.51E-39	0.38448
0.34157	3.17E-14	0.304419	1.80E-11	0.71931	1.39E-75	0.662789	2.12E-60	0.47843
0.079401	0.08653	0.19118	3.20E-05	0.308619	9.19E-12	0.411251	1.74E-20	0.206588
0.478578	4.17E-28	0.55029	2.53E-38	0.546551	9.96E-38	0.562759	2.31E-40	0.504366
0.470023	4.84E-27	0.508983	3.83E-32	0.664474	8.37E-61	0.662145	3.03E-60	0.567243
-0.26022	1.15E-08	-0.4093	2.74E-20	-0.46494	2.01E-26	-0.48592	4.80E-29	-0.33943
0.302824	2.32E-11	0.301664	2.79E-11	0.71398	5.39E-74	0.545009	1.74E-37	0.563929
0.474084	1.53E-27	0.300077	3.58E-11	0.591373	2.19E-45	0.457187	1.69E-25	0.497175
-0.09839	0.03353	-0.24216	1.17E-07	-0.32636	4.74E-13	-0.38038	1.59E-17	-0.31444
0.048421	0.2964	0.188652	4.08E-05	0.378065	2.58E-17	0.246473	6.83E-08	0.309285
0.45353	4.52E-25	0.336448	8.01E-14	0.689649	3.52E-67	0.545499	1.46E-37	0.487084
0.430319	1.79E-22	0.291312	1.38E-10	0.776175	3.44E-95	0.564537	1.16E-40	0.612418
0.458934	1.05E-25	0.503281	2.35E-31	0.717161	6.14E-75	0.699239	8.77E-70	0.540355
0.370895	1.12E-16	0.458606	1.15E-25	0.464623	2.20E-26	0.487379	3.11E-29	0.233619
0.551646	1.53E-38	0.56532	8.58E-41	0.728283	2.41E-78	0.645698	1.94E-56	0.547648
0.217466	2.10E-06	0.527115	9.43E-35	0.501339	4.33E-31	0.595061	4.52E-46	0.500505
0.431097	1.48E-22	0.402912	1.18E-19	0.785117	8.36E-99	0.750854	8.37E-86	0.547177
0.437567	2.90E-23	0.56836	2.62E-41	0.594878	4.89E-46	0.525574	1.59E-34	0.524649
0.491825	8.14E-30	0.566889	4.66E-41	0.542493	4.32E-37	0.465448	1.75E-26	0.423275
0.467351	1.03E-26	0.598992	8.24E-47	0.6214	3.16E-51	0.543858	2.64E-37	0.60821
0.334192	1.20E-13	0.401377	1.67E-19	0.591638	1.95E-45	0.41117	1.78E-20	0.540967
0.330223	2.42E-13	0.412189	1.40E-20	0.631614	2.32E-53	0.592325	1.46E-45	0.447219
0.388408	2.89E-18	0.483315	1.04E-28	0.595639	3.53E-46	0.54627	1.10E-37	0.394506
0.230284	4.88E-07	0.122162	0.00822	0.361907	6.73E-16	0.150836	0.00108	0.358445
0.400002	2.27E-19	0.311432	5.82E-12	0.59698	1.98E-46	0.49449	3.61E-30	0.470395
0.288442	2.12E-10	0.201958	1.09E-05	0.377159	3.11E-17	0.293843	9.39E-11	0.256184
-0.3424	2.73E-14	-0.42846	2.84E-22	-0.43641	3.89E-23	-0.44974	1.24E-24	-0.36008
-0.13822	0.00276	-0.20747	6.16E-06	-0.37467	5.20E-17	-0.29399	9.18E-11	-0.31443

0.135458	0.00336	0.199197	1.45E-05	0.359619	1.05E-15	0.338962	5.10E-14	0.250315
0.405385	6.73E-20	0.336913	7.37E-14	0.582136	1.04E-43	0.43432	6.60E-23	0.487103
0.373299	6.88E-17	0.371181	1.06E-16	0.606062	3.64E-48	0.495255	2.86E-30	0.427832
0.425727	5.54E-22	0.245823	7.41E-08	0.594721	5.24E-46	0.409754	2.47E-20	0.45843
0.353597	3.36E-15	0.459645	8.66E-26	0.573194	3.87E-42	0.600253	4.75E-47	0.456293
0.299349	4.01E-11	0.253715	2.71E-08	0.607982	1.54E-48	0.493583	4.77E-30	0.538875
0.245916	7.33E-08	0.206177	7.06E-06	0.339356	4.74E-14	0.238753	1.78E-07	0.319386
0.535955	4.41E-36	0.579845	2.65E-43	0.829114	#####	0.702776	9.05E-71	0.635444
0.35049	6.06E-15	0.320879	1.21E-12	0.508087	5.10E-32	0.372003	8.95E-17	0.480259
0.382885	9.39E-18	0.331887	1.80E-13	0.780953	4.23E-97	0.614547	7.73E-50	0.608876
0.396321	5.15E-19	0.611723	2.82E-49	0.593626	8.37E-46	0.690465	2.14E-67	0.439339
0.400628	1.97E-19	0.238625	1.80E-07	0.646014	1.65E-56	0.353964	3.13E-15	0.523053
0.468143	8.23E-27	0.277514	1.05E-09	0.78591	3.92E-99	0.513441	9.03E-33	0.610976
0.307729	1.06E-11	0.473978	1.57E-27	0.498038	1.21E-30	0.56986	1.45E-41	0.324427
0.597729	1.43E-46	0.694977	1.30E-68	0.781333	2.97E-97	0.677036	6.62E-64	0.675117
0.381335	1.30E-17	0.478756	3.96E-28	0.597561	1.54E-46	0.512376	1.28E-32	0.465207
0.446225	3.12E-24	0.542728	3.97E-37	0.775849	4.63E-95	0.71876	2.03E-75	0.597004
0.440418	1.40E-23	0.652318	6.08E-58	0.483292	1.05E-28	0.482406	1.36E-28	0.381024
0.335674	9.20E-14	0.291177	1.41E-10	0.484932	6.45E-29	0.531886	1.83E-35	0.200531
0.426582	4.49E-22	0.473201	1.96E-27	0.619614	7.32E-51	0.510911	2.05E-32	0.490638
0.513056	1.02E-32	0.658492	2.22E-59	0.630514	3.97E-53	0.581652	1.27E-43	0.508556
0.544212	2.33E-37	0.589137	5.63E-45	0.666408	2.85E-61	0.494535	3.56E-30	0.621056
0.392751	1.13E-18	0.325119	5.86E-13	0.703982	4.14E-71	0.608865	1.03E-48	0.485264
0.38352	8.21E-18	0.382171	1.09E-17	0.54685	8.93E-38	0.370459	1.22E-16	0.519741
0.369489	1.49E-16	0.318365	1.85E-12	0.55993	6.82E-40	0.515103	5.25E-33	0.377648
0.450155	1.11E-24	0.433925	7.28E-23	0.528162	6.59E-35	0.438065	2.56E-23	0.462184
0.45176	7.26E-25	0.463107	3.35E-26	0.584591	3.77E-44	0.58007	2.42E-43	0.448845
0.369554	1.47E-16	0.468595	7.25E-27	0.692697	5.38E-68	0.580544	1.99E-43	0.606311
0.256798	1.81E-08	0.439725	1.68E-23	0.456511	2.03E-25	0.524762	2.10E-34	0.274949
0.332822	1.53E-13	0.490329	1.28E-29	0.542296	4.64E-37	0.538235	1.97E-36	0.504549
0.320731	1.24E-12	0.310235	7.07E-12	0.72432	4.12E-77	0.541988	5.18E-37	0.556296
0.361742	6.96E-16	0.312966	4.53E-12	0.585279	2.83E-44	0.459295	9.53E-26	0.507777
0.368836	1.70E-16	0.274138	1.70E-09	0.752216	2.80E-86	0.556515	2.49E-39	0.60251
0.315966	2.76E-12	0.604476	7.37E-48	0.495007	3.08E-30	0.518751	1.57E-33	0.464331
0.488813	2.02E-29	0.610503	4.91E-49	0.653279	3.65E-58	0.598693	9.39E-47	0.602589
0.415743	6.08E-21	0.290576	1.54E-10	0.668036	1.14E-61	0.549885	2.94E-38	0.489854
0.320305	1.33E-12	0.303972	1.94E-11	0.644909	2.91E-56	0.420123	2.15E-21	0.54147
-0.1999	1.35E-05	-0.4604	7.05E-26	-0.39681	4.62E-19	-0.34683	1.20E-14	-0.36376
0.525176	1.82E-34	0.572435	5.24E-42	0.838415	#####	0.660397	7.89E-60	0.714342
0.356415	1.96E-15	0.372505	8.08E-17	0.770889	3.94E-93	0.589065	5.80E-45	0.644982
0.52628	1.25E-34	0.585152	2.98E-44	0.784808	1.12E-98	0.553483	7.74E-39	0.744702
0.386907	3.99E-18	0.481593	1.73E-28	0.648993	3.50E-57	0.577639	6.50E-43	0.576603
-0.19394	2.44E-05	-0.23116	4.40E-07	-0.33455	1.12E-13	-0.28602	3.05E-10	-0.33217
0.488278	2.38E-29	0.614387	8.32E-50	0.72428	4.24E-77	0.682905	2.08E-65	0.566763
0.379703	1.83E-17	0.345704	1.48E-14	0.791232	#####	0.617772	1.73E-50	0.62774

0.270438	2.86E-09	0.25811	1.52E-08	0.58089	1.73E-43	0.421088	1.70E-21	0.499135
0.372017	8.93E-17	0.298424	4.63E-11	0.64321	6.97E-56	0.474171	1.49E-27	0.498955
0.451419	7.95E-25	0.48219	1.45E-28	0.712205	1.79E-73	0.58265	8.40E-44	0.620659
0.35964	1.05E-15	0.217816	2.02E-06	0.672791	7.69E-63	0.479241	3.44E-28	0.549837
0.448332	1.80E-24	0.383356	8.50E-18	0.447693	2.13E-24	0.383457	8.32E-18	0.399432
0.386214	4.63E-18	0.307527	1.10E-11	0.711333	3.22E-73	0.544595	2.03E-37	0.515092
0.314698	3.40E-12	0.31555	2.95E-12	0.409945	2.36E-20	0.320537	1.28E-12	0.359773
0.411876	1.51E-20	0.2297	5.23E-07	0.656966	5.08E-59	0.526007	1.38E-34	0.458392
0.418502	3.16E-21	0.440605	1.34E-23	0.844484	#####	0.684277	9.15E-66	0.67257
0.220541	1.49E-06	0.140353	0.00237	0.470514	4.22E-27	0.401923	1.47E-19	0.276966
0.169532	0.00023	0.217511	2.09E-06	0.458497	1.18E-25	0.394156	8.29E-19	0.357203
0.487535	2.97E-29	0.498469	1.06E-30	0.635148	4.06E-54	0.543432	3.08E-37	0.509834
0.312953	4.54E-12	0.247351	6.12E-08	0.626232	3.16E-52	0.514135	7.20E-33	0.423739
-0.35194	4.61E-15	-0.38816	3.05E-18	-0.44891	1.54E-24	-0.39973	2.41E-19	-0.47403
0.392038	1.32E-18	0.560008	6.62E-40	0.579155	3.51E-43	0.51164	1.62E-32	0.478897
0.369529	1.48E-16	0.445057	4.24E-24	0.579466	3.09E-43	0.63724	1.43E-54	0.51446
0.43853	2.27E-23	0.598807	8.94E-47	0.605354	4.99E-48	0.612383	2.09E-49	0.572707
0.382557	1.01E-17	0.298121	4.86E-11	0.520147	9.90E-34	0.394863	7.10E-19	0.408335
0.448359	1.79E-24	0.423954	8.52E-22	0.651057	1.18E-57	0.484422	7.51E-29	0.466054
0.446885	2.63E-24	0.468069	8.40E-27	0.718725	2.08E-75	0.624153	8.55E-52	0.604408
0.217189	2.16E-06	0.237264	2.13E-07	0.431939	1.20E-22	0.385896	4.95E-18	0.279224
0.382784	9.59E-18	0.144866	0.0017	0.563372	1.82E-40	0.293674	9.63E-11	0.427226
0.431991	1.18E-22	0.547315	7.54E-38	0.77048	5.66E-93	0.657655	3.50E-59	0.638231
0.554894	4.57E-39	0.689363	4.20E-67	0.734661	2.25E-80	0.628999	8.30E-53	0.639669
0.440081	1.53E-23	0.403231	1.10E-19	0.772611	8.53E-94	0.601439	2.82E-47	0.576272
-0.18723	4.68E-05	-0.37311	7.14E-17	-0.26507	5.98E-09	-0.26694	4.63E-09	-0.19593
-0.27585	1.34E-09	-0.40015	2.20E-19	-0.40435	8.51E-20	-0.34656	1.26E-14	-0.31957
-0.28157	5.86E-10	-0.32432	6.72E-13	-0.50261	2.90E-31	-0.30771	1.07E-11	-0.49062
0.467065	1.11E-26	0.496323	2.06E-30	0.751752	4.07E-86	0.508324	4.73E-32	0.697828
0.431837	1.23E-22	0.566281	5.91E-41	0.699356	8.14E-70	0.65319	3.83E-58	0.600487
0.36306	5.37E-16	0.450246	1.08E-24	0.644733	3.19E-56	0.712945	1.09E-73	0.499708
0.479317	3.36E-28	0.477103	6.40E-28	0.690356	2.28E-67	0.677295	5.69E-64	0.501992
0.446256	3.10E-24	0.427047	4.01E-22	0.826553	#####	0.677761	4.33E-64	0.635501
0.267312	4.40E-09	0.261164	1.01E-08	0.515691	4.33E-33	0.43422	6.76E-23	0.321379
0.384371	6.85E-18	0.542501	4.31E-37	0.661344	4.70E-60	0.603946	9.33E-48	0.531687
0.340332	3.97E-14	0.39353	9.51E-19	0.577576	6.66E-43	0.484271	7.85E-29	0.474952
0.480776	2.20E-28	0.572199	5.76E-42	0.842012	#####	0.75226	2.70E-86	0.721241
0.433735	7.64E-23	0.345316	1.59E-14	0.799002	#####	0.592292	1.48E-45	0.650507
0.463627	2.90E-26	0.557223	1.90E-39	0.836161	#####	0.720872	4.68E-76	0.703281
0.478423	4.36E-28	0.433845	7.43E-23	0.640036	3.50E-55	0.508043	5.17E-32	0.556444
0.3125	4.89E-12	0.265867	5.37E-09	0.447965	1.98E-24	0.39691	4.52E-19	0.272176
0.511075	1.95E-32	0.708035	2.90E-72	0.651585	8.96E-58	0.615915	4.11E-50	0.563201
0.53241	1.52E-35	0.615727	4.48E-50	0.677019	6.68E-64	0.614505	7.88E-50	0.526705
0.366857	2.53E-16	0.157251	0.00065	0.664872	6.71E-61	0.462347	4.13E-26	0.450998
0.14368	0.00185	0.168664	0.00025	0.337593	6.52E-14	0.204394	8.50E-06	0.292807



0.309942	7.42E-12	0.221906	1.28E-06	0.484479	7.38E-29	0.36313	5.29E-16	0.375807
0.419123	2.73E-21	0.330024	2.50E-13	0.745425	6.15E-84	0.495109	2.99E-30	0.667468
-0.16668	0.0003	-0.29149	1.34E-10	-0.36876	1.72E-16	-0.3275	3.88E-13	-0.36371
0.402929	1.17E-19	0.468083	8.37E-27	0.621451	3.08E-51	0.521756	5.78E-34	0.47963
0.32043	1.30E-12	0.372486	8.12E-17	0.639403	4.82E-55	0.578227	5.12E-43	0.506337
0.385638	5.23E-18	0.456228	2.19E-25	0.697552	2.56E-69	0.606754	2.67E-48	0.531195
0.605463	4.75E-48	0.661459	4.41E-60	0.864056	#####	0.759093	9.92E-89	0.714291
0.390637	1.79E-18	0.40094	1.84E-19	0.694855	1.40E-68	0.66724	1.79E-61	0.52308
0.471823	2.91E-27	0.376934	3.26E-17	0.578318	4.93E-43	0.350329	6.24E-15	0.458502
0.471625	3.08E-27	0.351793	4.74E-15	0.852069	#####	0.606481	3.01E-48	0.72099
0.329363	2.81E-13	0.269731	3.15E-09	0.601974	2.23E-47	0.313665	4.03E-12	0.54747
0.284511	3.81E-10	0.298649	4.47E-11	0.590955	2.61E-45	0.528462	5.95E-35	0.490469
0.468319	7.83E-27	0.417951	3.61E-21	0.719454	1.26E-75	0.551851	1.42E-38	0.665795
0.135103	0.00344	0.18864	4.09E-05	0.323615	7.59E-13	0.425456	5.91E-22	0.118332
0.419367	2.57E-21	0.221108	1.40E-06	0.760777	2.42E-89	0.532404	1.53E-35	0.595647
0.386404	4.44E-18	0.518368	1.79E-33	0.666738	2.37E-61	0.634568	5.41E-54	0.568142
0.22542	8.57E-07	0.291012	1.44E-10	0.513437	9.05E-33	0.432267	1.10E-22	0.46477
0.399128	2.76E-19	0.538317	1.92E-36	0.62772	1.54E-52	0.469572	5.50E-27	0.543107
0.535911	4.48E-36	0.64028	3.09E-55	0.811134	#####	0.650508	1.58E-57	0.728635
0.330907	2.14E-13	0.427768	3.36E-22	0.593989	7.17E-46	0.627531	1.69E-52	0.450707
0.38127	1.32E-17	0.236157	2.43E-07	0.684722	7.01E-66	0.405547	6.48E-20	0.504607
0.407986	3.71E-20	0.367316	2.30E-16	0.626099	3.37E-52	0.442536	8.14E-24	0.458731
0.494895	3.19E-30	0.499077	8.77E-31	0.769382	1.49E-92	0.699677	6.63E-70	0.63089
0.37324	6.96E-17	0.292212	1.20E-10	0.544194	2.34E-37	0.290828	1.48E-10	0.481941
0.455809	2.45E-25	0.37797	2.63E-17	0.821046	#####	0.644028	4.58E-56	0.64048
0.349991	6.66E-15	0.196673	1.86E-05	0.47317	1.98E-27	0.292473	1.16E-10	0.300724
0.381347	1.30E-17	0.121501	0.00858	0.441947	9.48E-24	0.22899	5.68E-07	0.377601
0.32365	7.54E-13	0.080039	0.08403	0.579656	2.86E-43	0.37457	5.30E-17	0.345807
0.511662	1.61E-32	0.434177	6.84E-23	0.750191	1.42E-85	0.572796	4.54E-42	0.626099
0.456695	1.93E-25	0.428711	2.66E-22	0.732457	1.15E-79	0.562276	2.78E-40	0.627309
0.25198	3.39E-08	0.246023	7.23E-08	0.444479	4.92E-24	0.308406	9.52E-12	0.402112
0.421688	1.47E-21	0.28827	2.18E-10	0.741647	1.15E-82	0.525115	1.86E-34	0.571583
0.416535	5.04E-21	0.25876	1.40E-08	0.550735	2.15E-38	0.376986	3.22E-17	0.398057
0.298067	4.90E-11	0.369787	1.40E-16	0.587486	1.13E-44	0.58626	1.88E-44	0.481256
0.341706	3.09E-14	0.463103	3.35E-26	0.503245	2.38E-31	0.616911	2.59E-50	0.435053
0.444257	5.21E-24	0.485297	5.79E-29	0.746875	1.97E-84	0.726581	8.21E-78	0.504452
0.393355	9.88E-19	0.457998	1.36E-25	0.709609	1.02E-72	0.632973	1.19E-53	0.638573
0.243909	9.42E-08	0.291386	1.36E-10	0.507736	5.71E-32	0.395271	6.49E-19	0.461899
0.389496	2.29E-18	0.490202	1.33E-29	0.516101	3.78E-33	0.518923	1.49E-33	0.418926
0.433074	9.01E-23	0.351802	4.73E-15	0.650721	1.41E-57	0.471361	3.32E-27	0.613592
0.436928	3.42E-23	0.538084	2.08E-36	0.595827	3.25E-46	0.553023	9.19E-39	0.520131
0.352214	4.37E-15	0.455574	2.61E-25	0.665099	5.91E-61	0.550768	2.12E-38	0.575811
0.54124	6.77E-37	0.527847	7.34E-35	0.71069	4.95E-73	0.702071	1.43E-70	0.518675
0.375664	4.23E-17	0.350745	5.77E-15	0.599513	6.57E-47	0.457576	1.52E-25	0.517088
0.477623	5.50E-28	0.455486	2.68E-25	0.677332	5.57E-64	0.470335	4.43E-27	0.533282

0.434557	6.21E-23	0.456025	2.31E-25	0.776261	3.18E-95	0.674582	2.75E-63	0.630679
0.455909	2.39E-25	0.216993	2.21E-06	0.686759	2.05E-66	0.488956	1.94E-29	0.473618
0.385426	5.48E-18	0.497119	1.61E-30	0.614146	9.29E-50	0.482602	1.29E-28	0.506747
0.357788	1.50E-15	0.238168	1.91E-07	0.613755	1.11E-49	0.376818	3.34E-17	0.540935
0.18389	6.40E-05	0.227861	6.47E-07	0.54316	3.40E-37	0.357011	1.75E-15	0.426249
0.221452	1.35E-06	0.217573	2.07E-06	0.419658	2.40E-21	0.372574	7.97E-17	0.359579
0.559563	7.84E-40	0.509523	3.22E-32	0.739634	5.35E-82	0.578261	5.05E-43	0.595139
0.376411	3.63E-17	0.290252	1.62E-10	0.631137	2.93E-53	0.372702	7.77E-17	0.545027
0.38593	4.92E-18	0.286806	2.71E-10	0.464061	2.57E-26	0.397502	3.96E-19	0.388455
0.40819	3.54E-20	0.488823	2.02E-29	0.671455	1.65E-62	0.66199	3.30E-60	0.500537
0.375086	4.77E-17	0.186157	5.18E-05	0.513716	8.26E-33	0.250817	3.94E-08	0.378868
0.118645	0.01028	0.234916	2.82E-07	0.424803	6.93E-22	0.474557	1.33E-27	0.23547
0.380255	1.63E-17	0.16341	0.00039	0.581713	1.23E-43	0.28198	5.52E-10	0.470562
0.406493	5.22E-20	0.344127	1.98E-14	0.51432	6.78E-33	0.517586	2.32E-33	0.358158
0.416981	4.54E-21	0.4387	2.18E-23	0.550639	2.22E-38	0.5146	6.19E-33	0.513406
-0.14655	0.00149	-0.31904	1.65E-12	-0.35155	4.96E-15	-0.39317	1.03E-18	-0.33522
-0.2502	4.26E-08	-0.40953	2.60E-20	-0.44877	1.60E-24	-0.49843	1.07E-30	-0.42915
0.512198	1.35E-32	0.607927	1.58E-48	0.696052	6.60E-69	0.537821	2.29E-36	0.651933
0.369131	1.60E-16	0.518214	1.88E-33	0.678341	3.09E-64	0.750147	1.47E-85	0.567489
0.504885	1.42E-31	0.564699	1.09E-40	0.64677	1.11E-56	0.567141	4.22E-41	0.430115
0.313689	4.02E-12	0.28147	5.94E-10	0.470909	3.77E-27	0.388334	2.94E-18	0.351676
0.425867	5.35E-22	0.634141	6.68E-54	0.575328	1.65E-42	0.605977	3.78E-48	0.522762
0.301308	2.95E-11	0.448483	1.73E-24	0.442351	8.54E-24	0.4118	1.53E-20	0.3644
0.374744	5.11E-17	0.271125	2.60E-09	0.453947	4.05E-25	0.381894	1.16E-17	0.321766
0.450551	1.00E-24	0.367076	2.42E-16	0.687151	1.62E-66	0.581933	1.13E-43	0.577241
0.31868	1.75E-12	0.424092	8.24E-22	0.398612	3.10E-19	0.369177	1.59E-16	0.30164
0.392443	1.21E-18	0.311562	5.70E-12	0.557225	1.90E-39	0.458594	1.15E-25	0.334825
0.537253	2.79E-36	0.538587	1.74E-36	0.774823	1.17E-94	0.530069	3.42E-35	0.693706
0.48367	9.37E-29	0.58833	7.91E-45	0.796086	#####	0.747577	1.13E-84	0.598483
0.502818	2.72E-31	0.617604	1.87E-50	0.782067	1.49E-97	0.722564	1.43E-76	0.689871
0.45046	1.02E-24	0.572608	4.89E-42	0.855573	#####	0.796443	#####	0.711538
0.301332	2.94E-11	0.27488	1.53E-09	0.628671	9.73E-53	0.436834	3.50E-23	0.492337
0.394609	7.51E-19	0.396335	5.13E-19	0.676148	1.11E-63	0.607839	1.64E-48	0.563959
0.367045	2.43E-16	0.45615	2.24E-25	0.654928	1.52E-58	0.635951	2.72E-54	0.562069
0.342677	2.59E-14	0.219766	1.63E-06	0.522566	4.40E-34	0.37015	1.30E-16	0.336664
0.366709	2.60E-16	0.455055	3.01E-25	0.707231	4.93E-72	0.656337	7.12E-59	0.566937
0.46791	8.78E-27	0.490639	1.17E-29	0.817663	#####	0.67987	1.26E-64	0.656956
0.495687	2.50E-30	0.612847	1.69E-49	0.791643	#####	0.748319	6.31E-85	0.665971
0.285936	3.08E-10	0.265151	5.92E-09	0.71199	2.07E-73	0.505703	1.09E-31	0.59021
0.173516	0.00016	0.190057	3.57E-05	0.399401	2.60E-19	0.359688	1.04E-15	0.334901
0.437181	3.20E-23	0.366281	2.83E-16	0.694356	1.91E-68	0.553964	6.47E-39	0.504742
0.311829	5.45E-12	0.189714	3.69E-05	0.576758	9.28E-43	0.342892	2.49E-14	0.464031
0.43178	1.24E-22	0.426903	4.15E-22	0.756835	6.46E-88	0.598381	1.08E-46	0.603043
0.294402	8.62E-11	0.283259	4.58E-10	0.521579	6.13E-34	0.348451	8.89E-15	0.395251
0.558442	1.20E-39	0.754887	3.20E-87	0.722524	1.47E-76	0.727717	3.63E-78	0.642288

0.48745	3.05E-29	0.692882	4.79E-68	0.735514	1.19E-80	0.703304	6.42E-71	0.633887
0.570951	9.44E-42	0.582322	9.61E-44	0.888913	#####	0.657979	2.94E-59	0.742587
0.228553	5.97E-07	0.185402	5.56E-05	0.446699	2.76E-24	0.371	1.10E-16	0.35465
0.510564	2.30E-32	0.570338	1.20E-41	0.66084	6.19E-60	0.626525	2.75E-52	0.465083
0.277406	1.07E-09	0.178399	0.00011	0.547809	6.29E-38	0.348967	8.07E-15	0.471557
0.484958	6.40E-29	0.607719	1.73E-48	0.632794	1.30E-53	0.522161	5.04E-34	0.579137
0.388051	3.12E-18	0.421954	1.38E-21	0.697102	3.41E-69	0.584249	4.34E-44	0.551133
0.527448	8.42E-35	0.640727	2.47E-55	0.769502	1.34E-92	0.657141	4.62E-59	0.668635
0.39821	3.39E-19	0.340433	3.90E-14	0.568566	2.42E-41	0.299569	3.88E-11	0.528063
-0.26678	4.74E-09	-0.14955	0.00119	-0.44814	1.89E-24	-0.37285	7.53E-17	-0.32509
0.388343	2.93E-18	0.425651	5.64E-22	0.553102	8.92E-39	0.497243	1.55E-30	0.459705
0.399452	2.57E-19	0.401534	1.61E-19	0.499253	8.30E-31	0.372773	7.65E-17	0.389185
0.492245	7.17E-30	0.369401	1.52E-16	0.747235	1.49E-84	0.567384	3.84E-41	0.523403
0.373203	7.01E-17	0.318077	1.94E-12	0.637793	1.08E-54	0.560824	4.85E-40	0.454711
0.384264	7.01E-18	0.222086	1.25E-06	0.551102	1.87E-38	0.418964	2.83E-21	0.468132
0.52631	1.24E-34	0.70267	9.69E-71	0.758772	1.30E-88	0.746289	3.13E-84	0.639237
0.31098	6.27E-12	0.292705	1.12E-10	0.663785	1.23E-60	0.502545	2.96E-31	0.510075
0.227319	6.89E-07	0.431455	1.35E-22	0.472431	2.45E-27	0.410943	1.87E-20	0.39578
0.463429	3.06E-26	0.348879	8.20E-15	0.753413	1.06E-86	0.500723	5.25E-31	0.667327
0.355427	2.37E-15	0.237431	2.08E-07	0.809331	#####	0.552189	1.25E-38	0.647776
0.424333	7.78E-22	0.461892	4.68E-26	0.46459	2.22E-26	0.40958	2.57E-20	0.348313
0.203923	8.92E-06	0.218609	1.85E-06	0.408384	3.38E-20	0.310799	6.45E-12	0.375192
-0.22277	1.16E-06	-0.17434	0.00015	-0.50217	3.33E-31	-0.29943	3.96E-11	-0.50112
0.447277	2.37E-24	0.432531	1.03E-22	0.546193	1.13E-37	0.425356	6.06E-22	0.42248
0.333966	1.25E-13	0.291828	1.28E-10	0.595902	3.15E-46	0.395156	6.66E-19	0.498896
0.458898	1.06E-25	0.437528	2.93E-23	0.772988	6.09E-94	0.574693	2.13E-42	0.618387
0.23632	2.38E-07	0.434303	6.62E-23	0.585581	2.50E-44	0.627242	1.94E-52	0.548435
0.406233	5.54E-20	0.38482	6.23E-18	0.808803	#####	0.71662	8.90E-75	0.63475
0.470832	3.85E-27	0.451509	7.76E-25	0.789983	#####	0.639132	5.52E-55	0.612057
0.328046	3.53E-13	0.40997	2.35E-20	0.726677	7.67E-78	0.681124	6.00E-65	0.621691
0.207504	6.14E-06	0.062792	0.17553	0.336113	8.51E-14	0.21376	3.15E-06	0.120336
0.423115	1.04E-21	0.43888	2.08E-23	0.685768	3.73E-66	0.701516	2.04E-70	0.564112
0.197986	1.63E-05	0.356082	2.09E-15	0.252253	3.27E-08	0.234037	3.13E-07	0.22593
0.487472	3.03E-29	0.367264	2.33E-16	0.532369	1.54E-35	0.351612	4.90E-15	0.450678
0.333817	1.28E-13	0.213983	3.07E-06	0.451747	7.28E-25	0.423003	1.07E-21	0.378198
0.387282	3.68E-18	0.426285	4.83E-22	0.75613	1.15E-87	0.61729	2.17E-50	0.616959
0.196121	1.97E-05	0.198451	1.56E-05	0.416583	4.99E-21	0.296106	6.63E-11	0.401328
0.244238	9.04E-08	0.343956	2.05E-14	0.491457	9.10E-30	0.422078	1.34E-21	0.398397
0.340664	3.74E-14	0.571982	6.28E-42	0.54917	3.82E-38	0.590751	2.85E-45	0.518959
0.44271	7.78E-24	0.426144	5.00E-22	0.739295	6.92E-82	0.647932	6.09E-57	0.581204
0.552807	9.96E-39	0.530964	2.51E-35	0.710984	4.07E-73	0.551553	1.59E-38	0.608644
0.440462	1.39E-23	0.640143	3.32E-55	0.519746	1.13E-33	0.526223	1.28E-34	0.384499
0.461337	5.45E-26	0.605685	4.30E-48	0.601034	3.37E-47	0.511995	1.45E-32	0.559366
0.163145	0.0004	0.25704	1.75E-08	0.502977	2.59E-31	0.465013	1.97E-26	0.348085
0.38176	1.19E-17	0.268399	3.79E-09	0.711049	3.89E-73	0.493015	5.67E-30	0.613219

0.259038	1.35E-08	0.437	3.35E-23	0.67626	1.04E-63	0.71984	9.61E-76	0.554448
0.417531	3.98E-21	0.318527	1.80E-12	0.577676	6.40E-43	0.411783	1.54E-20	0.463658
0.277373	1.07E-09	0.210721	4.37E-06	0.715421	2.02E-74	0.489081	1.87E-29	0.576423
0.501193	4.53E-31	0.595812	3.27E-46	0.713115	9.69E-74	0.655623	1.04E-58	0.579083
0.372405	8.25E-17	0.440504	1.37E-23	0.691651	1.03E-67	0.552996	9.28E-39	0.541996
0.479835	2.89E-28	0.195705	2.05E-05	0.610677	4.54E-49	0.379502	1.91E-17	0.473107
0.377382	2.97E-17	0.567215	4.10E-41	0.517886	2.10E-33	0.612885	1.66E-49	0.379514
0.399179	2.73E-19	0.557933	1.46E-39	0.789618	#####	0.803033	#####	0.665047
0.447489	2.24E-24	0.556568	2.44E-39	0.587322	1.21E-44	0.52267	4.25E-34	0.523376
0.539465	1.28E-36	0.564986	9.77E-41	0.669145	6.12E-62	0.627185	2.00E-52	0.562567
0.369109	1.61E-16	0.331867	1.81E-13	0.64005	3.48E-55	0.591732	1.88E-45	0.444416
0.487144	3.34E-29	0.530131	3.35E-35	0.687947	9.96E-67	0.652824	4.65E-58	0.552619
0.376707	3.41E-17	0.366465	2.73E-16	0.515683	4.34E-33	0.416687	4.87E-21	0.444542
0.53449	7.38E-36	0.548469	4.94E-38	0.73449	2.56E-80	0.651943	7.41E-58	0.565289
0.337137	7.08E-14	0.283141	4.66E-10	0.781277	3.13E-97	0.581825	1.18E-43	0.594258
0.368505	1.82E-16	0.339518	4.61E-14	0.693285	3.73E-68	0.603245	1.27E-47	0.528915
0.275254	1.45E-09	0.250012	4.36E-08	0.442969	7.28E-24	0.416887	4.64E-21	0.305427
0.355864	2.18E-15	0.393231	1.02E-18	0.620381	5.11E-51	0.598054	1.24E-46	0.396368
0.5407	8.22E-37	0.239689	1.58E-07	0.50287	2.68E-31	0.314587	3.46E-12	0.355345
0.365204	3.51E-16	0.340583	3.80E-14	0.650702	1.43E-57	0.608333	1.31E-48	0.42684
0.333487	1.36E-13	0.239526	1.62E-07	0.346385	1.31E-14	0.416048	5.66E-21	0.255273
0.480427	2.43E-28	0.599424	6.83E-47	0.606851	2.55E-48	0.642937	8.01E-56	0.540519
0.306491	1.30E-11	0.395878	5.68E-19	0.541746	5.65E-37	0.5136	8.58E-33	0.333618
0.369545	1.47E-16	0.341259	3.36E-14	0.73971	5.05E-82	0.662377	2.67E-60	0.51018
0.527523	8.20E-35	0.604358	7.77E-48	0.661305	4.80E-60	0.528455	5.96E-35	0.609263
0.317686	2.07E-12	0.370078	1.32E-16	0.636931	1.67E-54	0.53415	8.31E-36	0.559896
0.512582	1.20E-32	0.414416	8.32E-21	0.700684	3.48E-70	0.561761	3.39E-40	0.561311
0.406369	5.37E-20	0.499415	7.89E-31	0.815881	#####	0.71943	1.28E-75	0.682703
0.414825	7.55E-21	0.242536	1.12E-07	0.567359	3.88E-41	0.380838	1.44E-17	0.368601
0.251018	3.84E-08	0.428037	3.14E-22	0.416333	5.29E-21	0.4175	4.01E-21	0.392785
0.255458	2.16E-08	0.224096	9.97E-07	0.44961	1.28E-24	0.419729	2.36E-21	0.342563
0.472888	2.15E-27	0.543396	3.12E-37	0.752089	3.10E-86	0.712519	1.45E-73	0.623534
0.412289	1.37E-20	0.373698	6.34E-17	0.591956	1.71E-45	0.557273	1.87E-39	0.432713
0.483975	8.57E-29	0.518273	1.85E-33	0.812707	#####	0.629035	8.16E-53	0.667844
-0.14442	0.00175	-0.28725	2.54E-10	-0.44031	1.44E-23	-0.40527	6.90E-20	-0.42899
-0.26867	3.65E-09	-0.39805	3.51E-19	-0.37338	6.76E-17	-0.35145	5.05E-15	-0.29412
0.286175	2.98E-10	0.32496	6.02E-13	0.341667	3.12E-14	0.322094	9.83E-13	0.211105
0.561118	4.33E-40	0.730083	6.54E-79	0.814242	#####	0.766176	2.43E-91	0.707427
0.436138	4.17E-23	0.56668	5.05E-41	0.798929	#####	0.634015	7.11E-54	0.716812
0.517782	2.17E-33	0.504607	1.55E-31	0.685486	4.42E-66	0.527711	7.69E-35	0.598558
0.525634	1.56E-34	0.353321	3.54E-15	0.752109	3.05E-86	0.577352	7.30E-43	0.609382
0.361046	7.97E-16	0.492221	7.22E-30	0.702672	9.67E-71	0.685607	4.11E-66	0.578571
0.345028	1.68E-14	0.473413	1.85E-27	0.580734	1.84E-43	0.485518	5.42E-29	0.507422
-0.48459	7.15E-29	-0.18034	8.89E-05	-0.44863	1.66E-24	-0.22537	8.62E-07	-0.3247
0.249628	4.58E-08	0.511359	1.78E-32	0.64412	4.37E-56	0.604852	6.24E-48	0.560329

0.4187	3.02E-21	0.375173	4.68E-17	0.735157	1.56E-80	0.594054	6.97E-46	0.745739
0.457939	1.38E-25	0.523954	2.76E-34	0.75708	5.28E-88	0.697228	3.15E-69	0.619235
0.392047	1.32E-18	0.386099	4.74E-18	0.576815	9.07E-43	0.362959	5.48E-16	0.502369
0.214659	2.85E-06	0.210713	4.37E-06	0.480629	2.29E-28	0.461366	5.41E-26	0.32317
0.476989	6.61E-28	0.584376	4.12E-44	0.627277	1.91E-52	0.536463	3.69E-36	0.542251
0.320115	1.38E-12	0.333731	1.30E-13	0.518317	1.82E-33	0.50459	1.55E-31	0.343363
0.43686	3.47E-23	0.572233	5.68E-42	0.565482	8.06E-41	0.505331	1.23E-31	0.505105
0.233342	3.40E-07	0.289045	1.94E-10	0.390153	1.98E-18	0.431305	1.40E-22	0.238483
0.438565	2.25E-23	0.627087	2.09E-52	0.609888	6.50E-49	0.716859	7.55E-75	0.539623
0.40632	5.43E-20	0.563641	1.64E-40	0.628529	1.04E-52	0.595143	4.37E-46	0.533984
0.372697	7.77E-17	0.327501	3.88E-13	0.639132	5.52E-55	0.63874	6.73E-55	0.527688
0.211278	4.11E-06	0.412637	1.26E-20	0.551489	1.62E-38	0.595749	3.36E-46	0.462135
0.430184	1.85E-22	0.418319	3.30E-21	0.697661	2.39E-69	0.527058	9.61E-35	0.598042
0.267566	4.25E-09	0.189739	3.68E-05	0.598731	9.24E-47	0.51301	1.04E-32	0.401513
0.476016	8.76E-28	0.568795	2.21E-41	0.723746	6.19E-77	0.746463	2.73E-84	0.626073
0.369071	1.62E-16	0.350472	6.08E-15	0.564994	9.74E-41	0.414514	8.13E-21	0.38787
0.480352	2.49E-28	0.344312	1.92E-14	0.830284	#####	0.604098	8.72E-48	0.627477
0.419858	2.29E-21	0.377453	2.92E-17	0.655437	1.15E-58	0.604516	7.24E-48	0.666432
0.481183	1.95E-28	0.348746	8.41E-15	0.746696	2.27E-84	0.566514	5.39E-41	0.576902
0.345336	1.59E-14	0.2119	3.85E-06	0.658603	2.10E-59	0.505069	1.33E-31	0.493025
0.487305	3.18E-29	0.31157	5.69E-12	0.804069	#####	0.56659	5.23E-41	0.595432
0.255557	2.13E-08	0.386108	4.74E-18	0.433463	8.18E-23	0.520466	8.90E-34	0.364334
0.416897	4.63E-21	0.441511	1.06E-23	0.766597	1.69E-91	0.710384	6.08E-73	0.604927
0.521922	5.47E-34	0.574665	2.15E-42	0.698654	1.27E-69	0.539972	1.07E-36	0.669574
-0.29959	3.86E-11	-0.29314	1.04E-10	-0.57636	1.09E-42	-0.41899	2.81E-21	-0.50451
0.356687	1.86E-15	0.37514	4.71E-17	0.624378	7.68E-52	0.513912	7.75E-33	0.567258
0.373852	6.14E-17	0.433661	7.78E-23	0.795776	#####	0.742909	4.34E-83	0.638093
0.550282	2.54E-38	0.654288	2.13E-58	0.778205	5.38E-96	0.659668	1.17E-59	0.634275
0.350179	6.42E-15	0.372323	8.39E-17	0.507516	6.12E-32	0.460049	7.76E-26	0.374767
0.331815	1.83E-13	0.38056	1.53E-17	0.38939	2.34E-18	0.392534	1.18E-18	0.355093
0.519991	1.04E-33	0.654468	1.94E-58	0.749579	2.32E-85	0.685708	3.87E-66	0.550262
0.27612	1.28E-09	0.428751	2.64E-22	0.599472	6.69E-47	0.609678	7.15E-49	0.503329
0.233799	3.22E-07	0.304194	1.87E-11	0.472305	2.54E-27	0.453339	4.76E-25	0.288846
-0.18833	4.21E-05	-0.21995	1.59E-06	-0.37236	8.32E-17	-0.24343	1.00E-07	-0.36634
0.390311	1.92E-18	0.292499	1.15E-10	0.619633	7.26E-51	0.502175	3.33E-31	0.488247
0.379957	1.74E-17	0.182568	7.24E-05	0.412519	1.30E-20	0.21447	2.91E-06	0.42712
0.120128	0.00936	0.198503	1.55E-05	0.392787	1.12E-18	0.287661	2.39E-10	0.267481
0.456857	1.85E-25	0.451138	8.56E-25	0.819499	#####	0.751719	4.18E-86	0.608262
0.42984	2.01E-22	0.171113	0.0002	0.587144	1.30E-44	0.335971	8.73E-14	0.460536
0.491632	8.63E-30	0.379615	1.87E-17	0.632201	1.74E-53	0.365365	3.40E-16	0.510575
0.43622	4.09E-23	0.391444	1.50E-18	0.548678	4.58E-38	0.532359	1.55E-35	0.418308
0.443027	7.17E-24	0.335931	8.79E-14	0.805527	#####	0.581973	1.11E-43	0.619828
0.488441	2.26E-29	0.384829	6.22E-18	0.754092	6.12E-87	0.658652	2.04E-59	0.570431
0.4859	4.84E-29	0.448923	1.54E-24	0.805381	#####	0.660002	9.79E-60	0.63644
0.359591	1.06E-15	0.279316	8.12E-10	0.595494	3.75E-46	0.487302	3.18E-29	0.476553

0.394053	8.48E-19	0.361215	7.71E-16	0.774979	1.02E-94	0.731519	2.29E-79	0.536864
0.485296	5.79E-29	0.341712	3.09E-14	0.618315	1.35E-50	0.506064	9.73E-32	0.494507
0.338262	5.78E-14	0.257217	1.71E-08	0.538966	1.52E-36	0.394278	8.07E-19	0.392377
0.457447	1.58E-25	0.159739	0.00053	0.629033	8.17E-53	0.424202	8.03E-22	0.44471
0.515902	4.04E-33	0.683265	1.68E-65	0.716706	8.39E-75	0.629014	8.24E-53	0.640273
-0.23482	2.85E-07	-0.24511	8.11E-08	-0.45302	5.19E-25	-0.28142	5.99E-10	-0.43853
0.580494	2.03E-43	0.574357	2.44E-42	0.749222	3.08E-85	0.561421	3.86E-40	0.682173
0.190559	3.40E-05	0.225314	8.68E-07	0.330715	2.22E-13	0.166511	0.0003	0.276129
0.301618	2.81E-11	0.30245	2.46E-11	0.602142	2.07E-47	0.538689	1.68E-36	0.395286
0.496401	2.01E-30	0.494069	4.11E-30	0.883262	#####	0.702374	1.17E-70	0.692762
0.279275	8.17E-10	0.407902	3.78E-20	0.499747	7.12E-31	0.658495	2.22E-59	0.267901
0.486242	4.37E-29	0.484507	7.32E-29	0.779133	2.29E-96	0.698654	1.27E-69	0.683715
0.538462	1.82E-36	0.444155	5.35E-24	0.846274	#####	0.705221	1.84E-71	0.71164
-0.11197	0.01549	-0.11065	0.01676	-0.38357	8.11E-18	-0.26424	6.70E-09	-0.25408
0.469804	5.15E-27	0.58311	6.95E-44	0.829836	#####	0.766544	1.77E-91	0.686445
0.401831	1.51E-19	0.424399	7.65E-22	0.592559	1.32E-45	0.505838	1.05E-31	0.436892
0.445965	3.34E-24	0.302226	2.55E-11	0.665857	3.88E-61	0.567193	4.14E-41	0.47508
0.433893	7.34E-23	0.381358	1.29E-17	0.698144	1.76E-69	0.566707	5.00E-41	0.589871
0.452195	6.46E-25	0.457654	1.49E-25	0.647047	9.64E-57	0.616964	2.52E-50	0.513074
0.381635	1.22E-17	0.444144	5.37E-24	0.684124	1.00E-65	0.578061	5.48E-43	0.563233
0.25006	4.34E-08	0.434715	5.97E-23	0.460956	6.05E-26	0.431978	1.18E-22	0.388453
0.209502	4.97E-06	0.211532	4.00E-06	0.52667	1.10E-34	0.453226	4.91E-25	0.381521
0.363235	5.18E-16	0.477396	5.88E-28	0.654855	1.58E-58	0.665352	5.14E-61	0.492593
0.507632	5.90E-32	0.501147	4.60E-31	0.784051	2.30E-98	0.637309	1.38E-54	0.694338
0.409648	2.53E-20	0.55466	4.99E-39	0.609689	7.11E-49	0.539604	1.21E-36	0.600832
0.499398	7.93E-31	0.519457	1.25E-33	0.864785	#####	0.714086	5.02E-74	0.712195
0.287053	2.61E-10	0.320093	1.38E-12	0.549656	3.20E-38	0.489557	1.62E-29	0.301575
0.455602	2.59E-25	0.36595	3.03E-16	0.781416	2.75E-97	0.62053	4.76E-51	0.628266
0.350076	6.55E-15	0.073256	0.11389	0.350271	6.31E-15	0.09084	0.04978	0.253123
0.327166	4.12E-13	0.272988	2.00E-09	0.387836	3.27E-18	0.316075	2.71E-12	0.311266
0.352444	4.19E-15	0.433095	8.96E-23	0.532689	1.38E-35	0.516638	3.17E-33	0.377862
0.353897	3.17E-15	0.199945	1.34E-05	0.34016	4.10E-14	0.275573	1.39E-09	0.187027
0.496168	2.16E-30	0.48061	2.31E-28	0.614565	7.66E-50	0.561119	4.33E-40	0.477742
0.293932	9.26E-11	0.134674	0.00355	0.581646	1.27E-43	0.346812	1.21E-14	0.428518
0.284028	4.09E-10	0.450733	9.53E-25	0.527889	7.24E-35	0.696964	3.72E-69	0.333106
0.271953	2.31E-09	0.364925	3.71E-16	0.355474	2.35E-15	0.400542	2.01E-19	0.340655
0.230507	4.76E-07	0.119315	0.00986	0.454997	3.05E-25	0.281578	5.85E-10	0.335211
0.299162	4.13E-11	0.386166	4.68E-18	0.541507	6.16E-37	0.473358	1.88E-27	0.510673
0.41252	1.30E-20	0.324243	6.81E-13	0.802434	#####	0.555806	3.25E-39	0.61091
0.381444	1.27E-17	0.339416	4.69E-14	0.778212	5.35E-96	0.597951	1.30E-46	0.509413
0.492414	6.81E-30	0.402848	1.20E-19	0.863133	#####	0.66885	7.23E-62	0.657443
0.304673	1.73E-11	0.43181	1.24E-22	0.396722	4.71E-19	0.458078	1.33E-25	0.237569
0.569255	1.84E-41	0.521022	7.39E-34	0.798186	#####	0.630837	3.39E-53	0.637569
0.494622	3.47E-30	0.459968	7.93E-26	0.772844	6.92E-94	0.622945	1.52E-51	0.59669
0.599477	6.67E-47	0.540918	7.60E-37	0.767696	6.49E-92	0.493009	5.68E-30	0.693199

0.548598	4.71E-38	0.264706	6.29E-09	0.692078	7.89E-68	0.479606	3.09E-28	0.558035
0.395311	6.43E-19	0.326339	4.75E-13	0.726366	9.58E-78	0.563759	1.57E-40	0.585032
0.143843	0.00183	0.299356	4.01E-11	0.457722	1.46E-25	0.51877	1.56E-33	0.325512
0.454697	3.31E-25	0.405851	6.05E-20	0.705937	1.15E-71	0.563533	1.71E-40	0.502894
0.295925	6.82E-11	0.400329	2.11E-19	0.488848	2.00E-29	0.510474	2.37E-32	0.3352
0.343628	2.18E-14	0.481587	1.73E-28	0.531091	2.41E-35	0.540098	1.02E-36	0.500171
0.374508	5.37E-17	0.269229	3.38E-09	0.74284	4.58E-83	0.510941	2.03E-32	0.624318
0.374428	5.46E-17	0.428093	3.10E-22	0.686853	1.94E-66	0.607331	2.06E-48	0.568199
0.312005	5.30E-12	0.339516	4.61E-14	0.598368	1.08E-46	0.489359	1.72E-29	0.466414
0.399474	2.55E-19	0.260745	1.07E-08	0.632384	1.59E-53	0.376425	3.62E-17	0.533399
0.313084	4.44E-12	0.43616	4.15E-23	0.603846	9.76E-48	0.495701	2.49E-30	0.54765
0.30542	1.54E-11	0.316407	2.56E-12	0.672939	7.07E-63	0.562781	2.29E-40	0.547511
0.356934	1.77E-15	0.432168	1.13E-22	0.476229	8.24E-28	0.459424	9.20E-26	0.461708
0.518569	1.67E-33	0.564322	1.26E-40	0.714577	3.59E-74	0.531568	2.04E-35	0.568685
0.477718	5.35E-28	0.40837	3.39E-20	0.588234	8.23E-45	0.437969	2.62E-23	0.473965
0.475485	1.02E-27	0.466752	1.22E-26	0.791783	#####	0.660967	5.78E-60	0.612504
0.360541	8.80E-16	0.252418	3.20E-08	0.446547	2.87E-24	0.242399	1.14E-07	0.392587
0.377833	2.70E-17	0.457748	1.45E-25	0.75606	1.22E-87	0.736172	7.29E-81	0.668863
0.420012	2.20E-21	0.445157	4.13E-24	0.706078	1.05E-71	0.590361	3.36E-45	0.616615
0.34758	1.05E-14	0.327975	3.58E-13	0.737832	2.09E-81	0.589956	3.99E-45	0.527522
0.447905	2.01E-24	0.352283	4.32E-15	0.665345	5.16E-61	0.568079	2.93E-41	0.559395
0.373285	6.90E-17	0.279399	8.02E-10	0.553145	8.78E-39	0.359073	1.17E-15	0.457442
0.261107	1.02E-08	0.51758	2.32E-33	0.593655	8.27E-46	0.696745	4.27E-69	0.467369
0.182006	7.63E-05	0.277554	1.05E-09	0.177547	0.00011	0.257546	1.64E-08	0.077423
0.566543	5.33E-41	0.572058	6.09E-42	0.83985	#####	0.711433	3.01E-73	0.668224
0.58936	5.13E-45	0.637626	1.18E-54	0.864755	#####	0.728029	2.90E-78	0.764159
0.30921	8.36E-12	0.266631	4.83E-09	0.675694	1.44E-63	0.614521	7.82E-50	0.492998
0.433575	7.95E-23	0.557376	1.80E-39	0.620327	5.24E-51	0.53807	2.09E-36	0.519909
0.58065	1.91E-43	0.404636	7.98E-20	0.717189	6.02E-75	0.507214	6.74E-32	0.622936
0.325536	5.46E-13	0.583986	4.84E-44	0.506612	8.17E-32	0.601316	2.98E-47	0.498709
0.208272	5.66E-06	0.32257	9.07E-13	0.43791	2.66E-23	0.459298	9.52E-26	0.364221
0.393765	9.04E-19	0.4101	2.28E-20	0.608559	1.18E-48	0.691271	1.30E-67	0.359965
-0.27181	2.36E-09	-0.32952	2.73E-13	-0.33938	4.73E-14	-0.48392	8.71E-29	-0.2723
0.333834	1.28E-13	0.324634	6.37E-13	0.655117	1.37E-58	0.569818	1.48E-41	0.53544
-0.23922	1.68E-07	-0.32687	4.33E-13	-0.43085	1.57E-22	-0.31193	5.36E-12	-0.35237
0.497451	1.45E-30	0.529269	4.51E-35	0.807138	#####	0.747204	1.52E-84	0.670544
0.389528	2.27E-18	0.321924	1.01E-12	0.551705	1.50E-38	0.355654	2.27E-15	0.502049
0.498852	9.40E-31	0.636613	1.95E-54	0.718884	1.87E-75	0.701433	2.15E-70	0.618224
0.369737	1.42E-16	0.52031	9.37E-34	0.537228	2.82E-36	0.683359	1.59E-65	0.383273
0.500202	6.17E-31	0.531757	1.91E-35	0.677775	4.30E-64	0.553051	9.09E-39	0.592209
-0.27658	1.20E-09	-0.33868	5.37E-14	-0.55033	2.49E-38	-0.44259	8.02E-24	-0.50251
0.460427	6.99E-26	0.592519	1.34E-45	0.676331	9.98E-64	0.533853	9.22E-36	0.57562
0.245742	7.49E-08	0.245095	8.12E-08	0.475355	1.06E-27	0.420058	2.18E-21	0.24452
0.49884	9.44E-31	0.45128	8.25E-25	0.655313	1.23E-58	0.491714	8.42E-30	0.53915
0.510669	2.22E-32	0.646869	1.06E-56	0.687671	1.18E-66	0.6645	8.25E-61	0.536298

0.438637	2.21E-23	0.543853	2.65E-37	0.667193	1.84E-61	0.586309	1.84E-44	0.747847
0.365995	3.00E-16	0.274772	1.55E-09	0.523881	2.83E-34	0.462638	3.81E-26	0.289133
0.070462	0.12838	0.089188	0.0541	0.386703	4.17E-18	0.284649	3.73E-10	0.255868
0.371483	9.95E-17	0.37844	2.38E-17	0.575995	1.26E-42	0.484618	7.08E-29	0.448027
0.519268	1.33E-33	0.568224	2.76E-41	0.818813	#####	0.661377	4.62E-60	0.720761
0.267669	4.19E-09	0.186762	4.89E-05	0.400771	1.91E-19	0.305017	1.64E-11	0.290992
0.43385	7.42E-23	0.512061	1.42E-32	0.793253	#####	0.742491	6.00E-83	0.593734
0.502037	3.48E-31	0.540534	8.72E-37	0.775887	4.47E-95	0.714593	3.56E-74	0.732298
0.352986	3.78E-15	0.349349	7.51E-15	0.64495	2.85E-56	0.597877	1.34E-46	0.484479
0.372342	8.36E-17	0.422169	1.31E-21	0.722759	1.24E-76	0.722597	1.39E-76	0.539086
0.445245	4.03E-24	0.426361	4.74E-22	0.537191	2.86E-36	0.503589	2.13E-31	0.475524
0.530974	2.51E-35	0.480961	2.08E-28	0.650227	1.83E-57	0.511669	1.61E-32	0.561891
0.404903	7.51E-20	0.456892	1.83E-25	0.613398	1.31E-49	0.596373	2.57E-46	0.524159
0.45439	3.59E-25	0.303722	2.02E-11	0.587948	9.28E-45	0.500765	5.18E-31	0.385716
0.439325	1.86E-23	0.276381	1.24E-09	0.488714	2.08E-29	0.350386	6.18E-15	0.438675
0.212254	3.70E-06	0.318614	1.77E-12	0.502834	2.71E-31	0.5366	3.52E-36	0.286289
0.453122	5.05E-25	0.576054	1.23E-42	0.682564	2.55E-65	0.64079	2.39E-55	0.524927
0.422071	1.34E-21	0.389954	2.07E-18	0.792556	#####	0.668777	7.54E-62	0.677786
0.46698	1.14E-26	0.606854	2.55E-48	0.675968	1.23E-63	0.655196	1.31E-58	0.551223
0.391689	1.42E-18	0.451843	7.10E-25	0.747809	9.45E-85	0.680393	9.23E-65	0.592088
0.159279	0.00055	0.194026	2.42E-05	0.37431	5.59E-17	0.4177	3.83E-21	0.226516
0.475743	9.47E-28	0.205863	7.29E-06	0.52392	2.79E-34	0.294437	8.57E-11	0.354905
0.443876	5.76E-24	0.374686	5.18E-17	0.733103	7.14E-80	0.569097	1.96E-41	0.549494
0.404951	7.42E-20	0.384932	6.08E-18	0.704864	2.33E-71	0.665338	5.18E-61	0.549733
0.559309	8.63E-40	0.553636	7.31E-39	0.749777	1.98E-85	0.685482	4.44E-66	0.585507
0.444707	4.64E-24	0.466552	1.28E-26	0.782748	7.88E-98	0.623229	1.33E-51	0.62394
0.274354	1.65E-09	0.275083	1.49E-09	0.436429	3.88E-23	0.369432	1.51E-16	0.296689
0.376794	3.35E-17	0.317707	2.06E-12	0.745284	6.87E-84	0.630059	4.96E-53	0.580772
0.413865	9.46E-21	0.634604	5.31E-54	0.589333	5.19E-45	0.734274	3.00E-80	0.490078
0.356129	2.07E-15	0.381548	1.24E-17	0.612044	2.44E-49	0.622158	2.21E-51	0.459656
0.395647	5.97E-19	0.402056	1.43E-19	0.705587	1.45E-71	0.624598	6.91E-52	0.556407
0.564022	1.42E-40	0.561237	4.14E-40	0.64174	1.47E-55	0.584954	3.24E-44	0.530494
0.515169	5.13E-33	0.534236	8.06E-36	0.788054	#####	0.719927	9.04E-76	0.606951
-0.27771	1.02E-09	-0.49996	6.66E-31	-0.49	1.41E-29	-0.46444	2.31E-26	-0.48489
0.503579	2.14E-31	0.34837	9.02E-15	0.644452	3.68E-56	0.420893	1.78E-21	0.531207
0.377042	3.18E-17	0.173702	0.00016	0.762568	5.33E-90	0.509857	2.89E-32	0.57632
0.251609	3.55E-08	0.240351	1.46E-07	0.443043	7.14E-24	0.325759	5.25E-13	0.283966
0.327113	4.15E-13	0.331849	1.82E-13	0.483951	8.63E-29	0.567061	4.36E-41	0.268262
0.248541	5.26E-08	0.26818	3.91E-09	0.366824	2.54E-16	0.463007	3.44E-26	0.211962
0.447026	2.53E-24	0.635343	3.68E-54	0.531524	2.07E-35	0.570366	1.19E-41	0.432329
0.389032	2.53E-18	0.378073	2.57E-17	0.607504	1.90E-48	0.602577	1.71E-47	0.419756
0.466306	1.38E-26	0.396239	5.24E-19	0.785878	4.04E-99	0.567009	4.45E-41	0.632378
0.13694	0.00302	0.267048	4.57E-09	0.403036	1.15E-19	0.372302	8.43E-17	0.289303
0.44846	1.74E-24	0.50601	9.90E-32	0.587708	1.03E-44	0.604514	7.25E-48	0.409502
0.380063	1.70E-17	0.419645	2.41E-21	0.551063	1.90E-38	0.564534	1.16E-40	0.45032



0.431191	1.44E-22	0.44978	1.23E-24	0.566859	4.71E-41	0.585054	3.11E-44	0.428644
0.431897	1.21E-22	0.600722	3.87E-47	0.580594	1.95E-43	0.609062	9.44E-49	0.516923
0.274234	1.68E-09	0.166004	0.00031	0.5613	4.04E-40	0.341552	3.18E-14	0.346285
0.435911	4.42E-23	0.354379	2.90E-15	0.793792	#####	0.636617	1.95E-54	0.582518
0.36701	2.45E-16	0.118538	0.01035	0.424825	6.90E-22	0.289464	1.82E-10	0.355439
0.491444	9.14E-30	0.543583	2.92E-37	0.832584	#####	0.698653	1.27E-69	0.659454
0.458179	1.29E-25	0.316174	2.66E-12	0.849683	#####	0.620247	5.44E-51	0.639514
0.41629	5.35E-21	0.532856	1.30E-35	0.636646	1.92E-54	0.587104	1.32E-44	0.619403
0.560784	4.92E-40	0.456331	2.13E-25	0.819283	#####	0.592276	1.49E-45	0.675163
0.547331	7.49E-38	0.517351	2.50E-33	0.867721	#####	0.717745	4.10E-75	0.694767
0.134229	0.00366	0.257757	1.60E-08	0.461643	5.01E-26	0.427563	3.53E-22	0.364367
0.277786	1.01E-09	0.432137	1.14E-22	0.628631	9.93E-53	0.601792	2.42E-47	0.681448
-0.18165	7.89E-05	-0.3404	3.93E-14	-0.46408	2.56E-26	-0.35581	2.20E-15	-0.41474
0.528773	5.35E-35	0.430048	1.91E-22	0.717772	4.03E-75	0.686963	1.81E-66	0.501444
0.322371	9.38E-13	0.337251	6.94E-14	0.491415	9.22E-30	0.531325	2.22E-35	0.385734
0.418634	3.06E-21	0.446978	2.56E-24	0.555402	3.78E-39	0.56143	3.84E-40	0.522707
0.417415	4.09E-21	0.328997	2.99E-13	0.587523	1.11E-44	0.43233	1.09E-22	0.515429
0.446216	3.13E-24	0.522907	3.93E-34	0.544192	2.34E-37	0.618226	1.40E-50	0.376376
0.4645	2.28E-26	0.410761	1.95E-20	0.617295	2.16E-50	0.587361	1.19E-44	0.499637
0.600871	3.62E-47	0.375294	4.57E-17	0.671531	1.58E-62	0.645482	2.17E-56	0.483826
0.409202	2.80E-20	0.242342	1.14E-07	0.457131	1.72E-25	0.298972	4.25E-11	0.388928
0.552371	1.17E-38	0.609929	6.38E-49	0.623556	1.14E-51	0.478747	3.97E-28	0.553957
0.47119	3.48E-27	0.402839	1.20E-19	0.84657	#####	0.666707	2.41E-61	0.667296
0.350747	5.77E-15	0.343858	2.08E-14	0.516818	2.98E-33	0.441552	1.05E-23	0.344147
0.53938	1.31E-36	0.670928	2.23E-62	0.75834	1.86E-88	0.6776	4.76E-64	0.640027
0.016883	0.71594	0.252745	3.07E-08	0.40437	8.47E-20	0.481264	1.90E-28	0.312361
0.205836	7.31E-06	0.327012	4.23E-13	0.424504	7.46E-22	0.369942	1.36E-16	0.393734
0.368861	1.69E-16	0.263106	7.81E-09	0.489726	1.54E-29	0.457432	1.58E-25	0.27589
0.414864	7.48E-21	0.574721	2.10E-42	0.544605	2.02E-37	0.504962	1.38E-31	0.469989
0.264419	6.54E-09	0.41292	1.18E-20	0.423725	9.01E-22	0.503081	2.50E-31	0.444561
0.432125	1.14E-22	0.546994	8.47E-38	0.634116	6.76E-54	0.64216	1.19E-55	0.504619
0.375587	4.30E-17	0.541399	6.40E-37	0.603496	1.14E-47	0.590085	3.78E-45	0.466658
0.404023	9.17E-20	0.2667	4.79E-09	0.585815	2.26E-44	0.407811	3.86E-20	0.414846
0.234799	2.86E-07	0.27286	2.04E-09	0.448695	1.63E-24	0.400795	1.90E-19	0.320125
0.297621	5.25E-11	0.367332	2.30E-16	0.67746	5.17E-64	0.58917	5.55E-45	0.509681
0.468854	6.74E-27	0.436348	3.96E-23	0.682038	3.48E-65	0.564637	1.12E-40	0.61605
0.431144	1.46E-22	0.313798	3.95E-12	0.69513	1.18E-68	0.540841	7.81E-37	0.590152
0.230717	4.64E-07	0.201468	1.15E-05	0.527407	8.54E-35	0.311388	5.86E-12	0.418124
0.356939	1.77E-15	0.331786	1.84E-13	0.620381	5.11E-51	0.47798	4.96E-28	0.469081
0.282402	5.19E-10	0.355775	2.22E-15	0.593271	9.75E-46	0.58844	7.55E-45	0.425958
0.450341	1.06E-24	0.549698	3.15E-38	0.636963	1.64E-54	0.630752	3.54E-53	0.564088
0.314489	3.52E-12	0.247938	5.68E-08	0.514239	6.96E-33	0.383318	8.57E-18	0.365636
0.479365	3.32E-28	0.521643	6.00E-34	0.6594	1.36E-59	0.641686	1.52E-55	0.490311
0.407725	3.94E-20	0.488215	2.42E-29	0.741976	8.91E-83	0.667793	1.31E-61	0.610016
0.398811	2.96E-19	0.534978	6.22E-36	0.77462	1.41E-94	0.747205	1.52E-84	0.629275

0.545136	1.67E-37	0.667952	1.20E-61	0.758233	2.03E-88	0.734134	3.33E-80	0.691604
0.435522	4.87E-23	0.469726	5.27E-27	0.562211	2.85E-40	0.485354	5.69E-29	0.417786
0.437904	2.67E-23	0.342035	2.91E-14	0.793108	#####	0.561835	3.29E-40	0.584982
0.252505	3.17E-08	0.159252	0.00055	0.439352	1.84E-23	0.279259	8.19E-10	0.422916
0.468024	8.51E-27	0.438813	2.12E-23	0.735362	1.34E-80	0.557084	2.01E-39	0.603957
0.519861	1.09E-33	0.672549	8.84E-63	0.70861	1.98E-72	0.723592	6.90E-77	0.540224
0.397045	4.38E-19	0.333548	1.34E-13	0.710548	5.45E-73	0.623637	1.09E-51	0.549273
0.310456	6.82E-12	0.379271	2.00E-17	0.443736	5.97E-24	0.421184	1.66E-21	0.257525
0.465291	1.83E-26	0.390756	1.74E-18	0.779296	1.97E-96	0.537655	2.42E-36	0.6981
0.341977	2.94E-14	0.305487	1.52E-11	0.595844	3.23E-46	0.468053	8.44E-27	0.457026
0.404985	7.37E-20	0.466709	1.23E-26	0.773663	3.33E-94	0.689077	5.00E-67	0.604958
0.374919	4.93E-17	0.413342	1.07E-20	0.715097	2.52E-74	0.517567	2.33E-33	0.58477
0.23963	1.60E-07	0.34692	1.18E-14	0.50051	5.61E-31	0.535123	5.91E-36	0.296801
0.450597	9.88E-25	0.469664	5.36E-27	0.687543	1.27E-66	0.614576	7.63E-50	0.570413
0.446595	2.84E-24	0.377031	3.19E-17	0.697892	2.07E-69	0.530342	3.12E-35	0.63381
0.381591	1.23E-17	0.307158	1.16E-11	0.566786	4.85E-41	0.552087	1.30E-38	0.46403
0.519572	1.20E-33	0.544039	2.48E-37	0.814308	#####	0.604101	8.71E-48	0.710877
0.483681	9.34E-29	0.489333	1.73E-29	0.712037	2.01E-73	0.492725	6.19E-30	0.650134
0.441539	1.05E-23	0.4567	1.93E-25	0.803946	#####	0.743968	1.91E-83	0.643007
0.390433	1.87E-18	0.26375	7.16E-09	0.587802	9.87E-45	0.324675	6.33E-13	0.55293
0.367027	2.44E-16	0.211864	3.86E-06	0.741342	1.45E-82	0.488877	1.98E-29	0.567
0.360884	8.23E-16	0.42004	2.19E-21	0.655118	1.37E-58	0.55119	1.81E-38	0.57433
0.305699	1.47E-11	0.224352	9.69E-07	0.561801	3.33E-40	0.426161	4.98E-22	0.38576
0.527462	8.38E-35	0.565163	9.12E-41	0.751299	5.86E-86	0.691571	1.08E-67	0.556433
0.55694	2.12E-39	0.682412	2.79E-65	0.717521	4.79E-75	0.649593	2.55E-57	0.584949
0.29621	6.53E-11	0.431341	1.39E-22	0.457614	1.51E-25	0.459943	7.98E-26	0.350075
0.501476	4.15E-31	0.628062	1.31E-52	0.520781	8.01E-34	0.530875	2.59E-35	0.428745
0.320023	1.40E-12	0.303428	2.11E-11	0.511495	1.70E-32	0.332497	1.62E-13	0.430961
0.411978	1.47E-20	0.358497	1.31E-15	0.795302	#####	0.663186	1.71E-60	0.610116
0.23166	4.15E-07	0.207328	6.26E-06	0.529242	4.55E-35	0.305283	1.57E-11	0.516555
0.412896	1.19E-20	0.246954	6.43E-08	0.463124	3.33E-26	0.323528	7.70E-13	0.393093
0.287929	2.29E-10	0.475696	9.60E-28	0.463345	3.13E-26	0.404379	8.46E-20	0.406311
0.383442	8.34E-18	0.319567	1.51E-12	0.7576	3.43E-88	0.624523	7.17E-52	0.563861
0.295244	7.57E-11	0.166076	0.00031	0.441865	9.68E-24	0.291997	1.24E-10	0.349835
0.441731	1.00E-23	0.427529	3.56E-22	0.698376	1.52E-69	0.483437	1.00E-28	0.616316
0.30184	2.71E-11	0.318906	1.69E-12	0.626558	2.70E-52	0.475741	9.48E-28	0.577998
0.531921	1.80E-35	0.649082	3.34E-57	0.820884	#####	0.744781	1.02E-83	0.683243
0.432721	9.84E-23	0.464967	2.00E-26	0.769138	1.84E-92	0.694984	1.29E-68	0.56123
0.406715	4.96E-20	0.290763	1.50E-10	0.783772	3.00E-98	0.580671	1.89E-43	0.602623
-0.18399	6.35E-05	-0.1697	0.00023	-0.43876	2.14E-23	-0.27893	8.58E-10	-0.35374
0.506994	7.23E-32	0.499503	7.68E-31	0.824181	#####	0.633004	1.17E-53	0.703625
0.54873	4.49E-38	0.597957	1.29E-46	0.843094	#####	0.663645	1.32E-60	0.707613
0.405265	6.91E-20	0.430002	1.94E-22	0.62794	1.39E-52	0.459213	9.74E-26	0.515838
0.374289	5.61E-17	0.611471	3.16E-49	0.587681	1.04E-44	0.582846	7.74E-44	0.484237
-0.17926	9.82E-05	-0.29465	8.29E-11	-0.40976	2.46E-20	-0.36603	2.98E-16	-0.28408

0.449913	1.18E-24	0.376648	3.45E-17	0.594247	6.42E-46	0.480023	2.74E-28	0.356879
0.460001	7.86E-26	0.253583	2.75E-08	0.772661	8.16E-94	0.544388	2.18E-37	0.644607
0.355363	2.40E-15	0.26893	3.52E-09	0.704409	3.13E-71	0.475128	1.13E-27	0.580514
0.298341	4.69E-11	0.269473	3.27E-09	0.424982	6.64E-22	0.412003	1.46E-20	0.307408
0.251121	3.78E-08	0.462641	3.81E-26	0.58684	1.48E-44	0.699723	6.44E-70	0.434832
0.319543	1.51E-12	0.550735	2.15E-38	0.490537	1.20E-29	0.599994	5.32E-47	0.441447
0.46284	3.60E-26	0.460009	7.84E-26	0.644293	4.00E-56	0.415456	6.51E-21	0.592154
-0.39877	2.99E-19	-0.35859	1.29E-15	-0.62989	5.38E-53	-0.49009	1.38E-29	-0.53667
-0.25424	2.53E-08	-0.47204	2.74E-27	-0.55336	8.11E-39	-0.58843	7.59E-45	-0.51801
0.525491	1.64E-34	0.455746	2.49E-25	0.76888	2.31E-92	0.499881	6.83E-31	0.675642
0.293642	9.68E-11	0.325829	5.19E-13	0.57216	5.85E-42	0.580091	2.40E-43	0.288518
0.408858	3.03E-20	0.513528	8.78E-33	0.718718	2.09E-75	0.497102	1.62E-30	0.670103
0.431131	1.46E-22	0.30818	9.87E-12	0.616677	2.88E-50	0.456073	2.28E-25	0.517912
0.390114	2.00E-18	0.439208	1.91E-23	0.422519	1.21E-21	0.301739	2.76E-11	0.558782
0.356666	1.87E-15	0.24154	1.26E-07	0.640106	3.38E-55	0.487392	3.10E-29	0.506028
0.371469	9.98E-17	0.203457	9.36E-06	0.42183	1.42E-21	0.223885	1.02E-06	0.26634
0.420311	2.05E-21	0.560064	6.48E-40	0.669253	5.76E-62	0.631577	2.36E-53	0.58736
-0.28259	5.04E-10	-0.3077	1.07E-11	-0.5602	6.15E-40	-0.44379	5.88E-24	-0.51607
0.253911	2.64E-08	0.157598	0.00063	0.372059	8.85E-17	0.205539	7.54E-06	0.218984
0.577358	7.28E-43	0.505333	1.23E-31	0.767166	1.03E-91	0.547789	6.34E-38	0.691139
0.481495	1.78E-28	0.671936	1.25E-62	0.710174	6.99E-73	0.693577	3.11E-68	0.51954
0.524335	2.42E-34	0.551151	1.84E-38	0.749492	2.49E-85	0.581757	1.21E-43	0.596067
0.652072	6.93E-58	0.688823	5.84E-67	0.808247	#####	0.757961	2.55E-88	0.622635
0.497973	1.24E-30	0.468445	7.56E-27	0.819842	#####	0.610842	4.21E-49	0.70935
0.305816	1.44E-11	0.462966	3.48E-26	0.548707	4.53E-38	0.587238	1.25E-44	0.526417
0.43489	5.71E-23	0.417011	4.51E-21	0.811534	#####	0.708325	2.39E-72	0.583421
0.397721	3.77E-19	0.347575	1.05E-14	0.726956	6.27E-78	0.609917	6.41E-49	0.612423
0.53422	8.11E-36	0.466325	1.37E-26	0.867847	#####	0.648195	5.31E-57	0.706006
-0.35354	3.40E-15	-0.26435	6.60E-09	-0.48872	2.08E-29	-0.27129	2.54E-09	-0.3628
0.546501	1.01E-37	0.537464	2.59E-36	0.634487	5.63E-54	0.549605	3.26E-38	0.50939
0.465816	1.58E-26	0.558294	1.27E-39	0.674321	3.19E-63	0.513272	9.55E-33	0.602667
0.352399	4.22E-15	0.160414	0.0005	0.373444	6.67E-17	0.35992	9.93E-16	0.198687
0.373718	6.31E-17	0.375186	4.67E-17	0.635927	2.75E-54	0.453797	4.21E-25	0.572936
0.537008	3.05E-36	0.60749	1.92E-48	0.818272	#####	0.654513	1.89E-58	0.713408
0.45621	2.20E-25	0.277364	1.07E-09	0.790249	#####	0.564382	1.23E-40	0.605668
0.33312	1.45E-13	0.334524	1.13E-13	0.466824	1.19E-26	0.478365	4.44E-28	0.357682
0.487598	2.91E-29	0.38097	1.40E-17	0.874956	#####	0.680571	8.31E-65	0.639238
-0.28566	3.21E-10	-0.33807	5.99E-14	-0.48656	3.98E-29	-0.3603	9.22E-16	-0.43538
0.442219	8.84E-24	0.533262	1.13E-35	0.744139	1.68E-83	0.68237	2.86E-65	0.612068
0.151407	0.00103	0.278518	9.11E-10	0.293619	9.71E-11	0.364611	3.95E-16	0.210348
0.31372	4.00E-12	0.148565	0.00128	0.692674	5.45E-68	0.54476	1.91E-37	0.53971
0.330619	2.25E-13	0.20023	1.30E-05	0.359488	1.08E-15	0.232268	3.87E-07	0.29056
0.313965	3.84E-12	0.393299	1.00E-18	0.558856	1.03E-39	0.564172	1.34E-40	0.504174
0.285395	3.34E-10	0.27418	1.69E-09	0.38184	1.17E-17	0.416299	5.33E-21	0.227684
0.489875	1.47E-29	0.398237	3.37E-19	0.75021	1.40E-85	0.593435	9.09E-46	0.568948

0.196747	1.85E-05	0.412767	1.22E-20	0.629862	5.46E-53	0.637114	1.52E-54	0.465542
0.440326	1.44E-23	0.25491	2.32E-08	0.618074	1.51E-50	0.411885	1.50E-20	0.44054
0.434315	6.60E-23	0.350457	6.10E-15	0.735747	1.00E-80	0.538383	1.87E-36	0.607263
0.181753	7.81E-05	0.224951	9.05E-07	0.526038	1.36E-34	0.480366	2.48E-28	0.354835
-0.05702	0.21875	-0.23382	3.22E-07	-0.34688	1.19E-14	-0.3828	9.56E-18	-0.25139
0.444815	4.51E-24	0.396517	4.93E-19	0.469356	5.85E-27	0.364102	4.37E-16	0.381848
0.381451	1.27E-17	0.41218	1.40E-20	0.436354	3.95E-23	0.417826	3.71E-21	0.393679
0.289478	1.82E-10	0.266792	4.73E-09	0.397041	4.39E-19	0.371492	9.93E-17	0.270911
0.552778	1.01E-38	0.424315	7.81E-22	0.750354	1.25E-85	0.587666	1.04E-44	0.614904
0.606127	3.53E-48	0.479921	2.82E-28	0.697242	3.12E-69	0.528305	6.28E-35	0.624912
0.331476	1.94E-13	0.431374	1.38E-22	0.504373	1.66E-31	0.598222	1.15E-46	0.298702
-0.07022	0.12969	-0.19233	2.86E-05	-0.35978	1.02E-15	-0.24967	4.56E-08	-0.35582
0.333504	1.35E-13	0.506176	9.39E-32	0.443309	6.67E-24	0.45602	2.32E-25	0.292759
0.392822	1.11E-18	0.362795	5.65E-16	0.768974	2.13E-92	0.603882	9.60E-48	0.629742
0.469816	5.14E-27	0.421981	1.37E-21	0.574053	2.75E-42	0.49089	1.08E-29	0.557313
0.343772	2.12E-14	0.316071	2.71E-12	0.601746	2.47E-47	0.420252	2.08E-21	0.499431
0.553259	8.42E-39	0.572494	5.12E-42	0.735161	1.55E-80	0.607031	2.36E-48	0.637657
0.550034	2.78E-38	0.541815	5.51E-37	0.804663	#####	0.567809	3.25E-41	0.657007
0.009415	0.83919	-0.28766	2.39E-10	-0.11594	0.01217	-0.31555	2.96E-12	-0.09572
0.255712	2.09E-08	-0.01715	0.71159	0.361851	6.81E-16	0.023169	0.6175	0.211218
0.357544	1.58E-15	-0.01468	0.75175	0.420756	1.84E-21	0.157582	0.00063	0.177803
0.12546	0.00663	-0.18833	4.21E-05	0.249361	4.74E-08	-0.06193	0.18157	0.130355
-0.00855	0.85381	-0.17634	0.00013	-0.07893	0.0884	-0.16398	0.00037	-0.10089
0.039897	0.38967	-0.16655	0.0003	0.054169	0.24268	-0.14963	0.00118	0.164737
-0.02741	0.55458	-0.35956	1.07E-15	0.085048	0.06631	-0.23404	3.13E-07	0.054293
-0.01127	0.80801	-0.23131	4.33E-07	0.241471	1.27E-07	0.132587	0.0041	0.084899
0.036953	0.42563	-0.17889	0.0001	0.32959	2.70E-13	-0.00684	0.88285	0.283145
0.241746	1.23E-07	-0.07722	0.09557	0.251661	3.53E-08	0.057317	0.21634	0.12363
0.060377	0.19276	-0.2798	7.57E-10	-0.07298	0.11528	-0.30496	1.65E-11	-0.08834
0.05374	0.24644	-0.18534	5.59E-05	0.283823	4.21E-10	-0.02007	0.6653	0.177299
-0.11457	0.01323	-0.27841	9.26E-10	0.144987	0.00168	0.021198	0.64773	0.030606
0.124855	0.0069	-0.26394	6.97E-09	0.422211	1.30E-21	0.07095	0.12576	0.224819
-0.08382	0.07035	-0.40547	6.60E-20	0.122084	0.00826	-0.12358	0.0075	0.015512
0.175871	0.00013	-0.18351	6.64E-05	0.227428	6.81E-07	-0.1465	0.0015	0.15372
-0.04647	0.31635	-0.34925	7.64E-15	-0.05338	0.24961	-0.3089	8.79E-12	-0.1305
0.17359	0.00016	-0.01396	0.76356	0.378904	2.16E-17	0.15711	0.00066	0.130136
0.203556	9.27E-06	-0.13189	0.0043	0.341428	3.26E-14	0.109362	0.01807	0.219453
0.175819	0.00013	-0.1431	0.00193	0.32808	3.51E-13	0.010548	0.82016	0.286903
0.228506	6.01E-07	-0.00279	0.95213	0.400022	2.26E-19	0.19165	3.06E-05	0.267351
0.212927	3.44E-06	-0.17964	9.48E-05	0.357409	1.62E-15	0.012461	0.78826	0.311884
-0.08182	0.07732	0.260559	1.10E-08	-0.37572	4.19E-17	-0.04069	0.38027	-0.25975
0.351896	4.64E-15	0.094776	0.04063	0.270041	3.02E-09	0.140867	0.00228	0.262036
-0.0888	0.05516	-0.37949	1.92E-17	-0.12403	0.00729	-0.40077	1.91E-19	-0.10569
-0.01309	0.77786	-0.3184	1.83E-12	-0.10794	0.01964	-0.18227	7.44E-05	-0.12991
-0.01266	0.78498	-0.42182	1.43E-21	0.10247	0.02681	-0.21795	1.99E-06	0.066013

0.247447	6.04E-08	-0.19264	2.78E-05	0.431681	1.28E-22	0.066945	0.14862	0.307884
0.094338	0.04158	-0.16461	0.00035	0.294632	8.32E-11	0.050216	0.27883	0.215163
0.372965	7.36E-17	0.289842	1.72E-10	0.587664	1.05E-44	0.495507	2.64E-30	0.374434
0.095121	0.03991	-0.21849	1.87E-06	0.45995	7.97E-26	0.16578	0.00032	0.319492
-0.04501	0.33182	-0.39309	1.05E-18	0.093182	0.04415	-0.1725	0.00018	0.056964
0.128761	0.00532	-0.22058	1.48E-06	0.172543	0.00018	-0.13864	0.00268	0.123775
0.169917	0.00023	-0.03933	0.39643	0.164535	0.00036	0.030959	0.50451	0.108369
0.034623	0.45541	-0.41089	1.89E-20	-0.09913	0.03222	-0.37178	9.38E-17	-0.09112
0.020324	0.66133	-0.0083	0.85802	-0.10666	0.02115	-0.18151	7.99E-05	-0.05038
0.245684	7.54E-08	-0.09919	0.03212	0.416696	4.86E-21	0.047331	0.30742	0.373164
0.216098	2.44E-06	0.053832	0.24563	0.43886	2.09E-23	0.410787	1.94E-20	0.233097
0.345962	1.41E-14	0.17336	0.00017	0.436393	3.91E-23	0.249048	4.93E-08	0.349391
-0.00243	0.95827	0.31317	4.38E-12	-0.29071	1.51E-10	0.008689	0.85145	-0.18658
0.009356	0.8402	-0.36219	6.37E-16	0.263967	6.95E-09	-0.11777	0.01086	0.17307
0.291302	1.38E-10	0.032663	0.48134	0.52667	1.10E-34	0.266294	5.06E-09	0.292617
0.339996	4.22E-14	0.125267	0.00672	0.484379	7.60E-29	0.27614	1.28E-09	0.402844
0.166381	0.0003	-0.19008	3.56E-05	0.388523	2.82E-18	0.109176	0.01827	0.206571
0.193941	2.44E-05	-0.04509	0.33091	0.318273	1.88E-12	0.054898	0.23639	0.303154
0.131662	0.00437	-0.07858	0.08984	0.229437	5.39E-07	-0.01377	0.76665	0.251805
0.283267	4.57E-10	-0.08937	0.0536	0.487236	3.25E-29	0.125074	0.0068	0.431535
0.188121	4.30E-05	0.008904	0.84781	0.360323	9.18E-16	0.209234	5.11E-06	0.258782
-0.19117	3.20E-05	-0.23644	2.35E-07	-0.12146	0.0086	-0.29034	1.60E-10	-0.08788
0.165555	0.00033	-0.17177	0.00019	0.340092	4.15E-14	0.103135	0.02583	0.203821
0.128369	0.00547	-0.11036	0.01704	0.367384	2.27E-16	0.083353	0.07193	0.266256
0.229482	5.36E-07	0.085609	0.06453	0.48269	1.25E-28	0.3524	4.22E-15	0.263342
0.049689	0.28391	-0.15293	0.00091	0.062086	0.18045	-0.27474	1.56E-09	0.081586
0.096345	0.03741	0.121575	0.00854	0.220612	1.48E-06	0.23881	1.76E-07	0.125171
-0.05954	0.19905	-0.29944	3.96E-11	-0.05455	0.23938	-0.06441	0.16464	-0.18059
0.043726	0.34576	-0.22267	1.17E-06	0.169996	0.00022	-0.12088	0.00893	0.104788
-0.03602	0.43741	-0.10346	0.02536	-0.13473	0.00353	-0.1704	0.00022	-0.16084
0.146293	0.00152	0.02961	0.52327	0.335223	9.98E-14	0.054188	0.24251	0.33355
-0.0496	0.28475	-0.3688	1.71E-16	0.177942	0.00011	-0.18462	5.98E-05	0.114292
0.277918	9.93E-10	0.073179	0.11427	0.436687	3.63E-23	0.220363	1.52E-06	0.318686
0.018835	0.68477	-0.26368	7.23E-09	-0.01429	0.75806	-0.28367	4.31E-10	0.014738
-0.05228	0.25955	-0.11663	0.01166	0.179175	9.89E-05	0.110534	0.01687	0.025973
0.265945	5.31E-09	-0.10288	0.02621	0.395844	5.72E-19	0.041907	0.36622	0.347187
-0.11417	0.01356	0.175541	0.00014	-0.29787	5.05E-11	-0.00095	0.98371	-0.22384
0.413432	1.05E-20	0.236081	2.45E-07	0.560129	6.32E-40	0.405211	7.00E-20	0.323902
0.038695	0.40412	-0.2474	6.08E-08	0.08393	0.06997	-0.13514	0.00343	0.080897
0.006153	0.89449	-0.16454	0.00036	0.02516	0.58758	-0.04543	0.32729	-0.0868
0.125303	0.0067	0.047289	0.30784	0.289753	1.74E-10	0.152662	0.00093	0.236882
-0.11427	0.01348	-0.39084	1.71E-18	-0.1279	0.00564	-0.38305	9.07E-18	-0.137
-0.01022	0.82566	0.223504	1.07E-06	-0.18136	8.10E-05	0.077435	0.09464	-0.08598
0.012003	0.79586	-0.25721	1.71E-08	0.281989	5.51E-10	0.072768	0.11632	0.147207
-0.00933	0.84056	-0.32461	6.39E-13	0.199149	1.45E-05	-0.11734	0.01116	0.157231

0.036467	0.43175	-0.23514	2.75E-07	0.061522	0.18445	-0.18183	7.75E-05	-0.06046
0.039852	0.39021	-0.26282	8.12E-09	-0.06578	0.15583	-0.29227	1.19E-10	-0.05584
-0.04777	0.3029	-0.43106	1.49E-22	0.201048	1.20E-05	-0.10462	0.02376	0.148373
0.21406	3.05E-06	0.017138	0.71184	0.543181	3.38E-37	0.275403	1.42E-09	0.467813
0.013808	0.766	-0.20748	6.15E-06	-0.06393	0.1678	-0.20284	9.98E-06	-0.04752
0.071709	0.12175	-0.22048	1.50E-06	0.002314	0.96023	-0.04327	0.35077	-0.10155
-0.09928	0.03196	-0.15583	0.00073	-0.23157	4.20E-07	-0.20022	1.30E-05	-0.23155
0.153997	0.00084	-0.18343	6.69E-05	0.256895	1.79E-08	-0.02842	0.54015	0.180774
0.054046	0.24375	-0.11457	0.01324	0.340596	3.79E-14	0.117077	0.01134	0.292761
0.228888	5.75E-07	0.024592	0.59605	0.461908	4.66E-26	0.253122	2.92E-08	0.239009
-0.05842	0.20763	-0.13931	0.00255	-0.05507	0.23488	-0.20484	8.11E-06	0.003346
0.018418	0.69138	-0.25674	1.82E-08	0.106512	0.02133	-0.07445	0.10809	-0.0137
0.201084	1.19E-05	-0.03244	0.48433	0.345847	1.44E-14	0.20441	8.48E-06	0.19966
0.055287	0.23308	-0.23878	1.77E-07	0.283712	4.28E-10	-0.01166	0.80156	0.118278
0.164731	0.00035	-0.2492	4.84E-08	0.229328	5.46E-07	-0.14061	0.00232	0.128381
0.280443	6.90E-10	-0.06001	0.19549	0.346892	1.19E-14	-0.00827	0.85848	0.249621
0.081973	0.07678	-0.09793	0.03436	0.000237	0.99592	-0.08338	0.07183	-0.05305
0.233545	3.32E-07	0.117737	0.01089	0.326296	4.78E-13	0.082437	0.07512	0.230725
0.155194	0.00076	-0.02885	0.53402	0.330055	2.49E-13	0.023055	0.61922	0.228674
0.209119	5.18E-06	0.17338	0.00017	0.421733	1.46E-21	0.334024	1.24E-13	0.298573
-0.04909	0.28978	-0.25723	1.71E-08	-0.0556	0.2304	-0.21128	4.11E-06	-0.11923
0.035476	0.44437	-0.19119	3.20E-05	-0.131	0.00457	-0.30087	3.16E-11	-0.1413
-0.01352	0.77079	-0.23745	2.08E-07	0.115868	0.01222	-0.0868	0.06089	-0.02119
0.294418	8.60E-11	-0.04062	0.38112	0.370116	1.31E-16	0.061974	0.18123	0.131317
-0.0582	0.20935	-0.39229	1.25E-18	0.088547	0.05586	-0.15615	0.00071	0.089017
0.088603	0.0557	-0.35608	2.09E-15	0.249703	4.54E-08	-0.0943	0.04166	0.162143
0.199549	1.40E-05	0.005624	0.90353	0.385346	5.57E-18	0.124148	0.00723	0.323851
0.157419	0.00064	-0.09055	0.05051	0.251298	3.70E-08	-0.01816	0.69552	0.143477
0.203534	9.29E-06	0.099096	0.03227	0.332599	1.59E-13	0.105033	0.02321	0.244353
0.064153	0.16634	-0.20665	6.72E-06	0.157641	0.00063	-0.02845	0.53971	0.093949
-0.09191	0.04713	-0.21297	3.43E-06	-0.01609	0.72882	-0.24425	9.02E-08	-0.01666
0.068826	0.13751	-0.04218	0.36311	0.136816	0.00305	0.012593	0.78607	0.091953
0.076907	0.09692	-0.24378	9.57E-08	0.096124	0.03785	-0.04465	0.33569	0.02443
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-0.10388	0.02478	-0.42006	2.18E-21	0.059105	0.20233	-0.31948	1.53E-12	0.007502
0.245305	7.91E-08	0.136864	0.00304	0.310856	6.39E-12	0.135052	0.00345	0.200243
0.149486	0.0012	-0.26805	3.98E-09	0.28775	2.36E-10	-0.04991	0.28174	0.146317
0.06761	0.14462	-0.02747	0.55369	0.3127	4.73E-12	0.229833	5.15E-07	0.108273
-0.08488	0.06686	0.302272	2.53E-11	-0.24504	8.18E-08	0.050186	0.27912	-0.16844
0.255794	2.06E-08	0.192809	2.73E-05	0.257663	1.61E-08	0.015474	0.73874	0.126109
-0.13354	0.00384	0.227792	6.53E-07	-0.35853	1.30E-15	-0.15597	0.00072	-0.18036
0.212676	3.54E-06	0.01415	0.76038	0.435654	4.71E-23	0.192535	2.80E-05	0.318129
0.141376	0.0022	-0.15449	0.00081	0.434921	5.67E-23	0.21111	4.19E-06	0.233594
0.231103	4.43E-07	0.243163	1.03E-07	0.571162	8.69E-42	0.584854	3.38E-44	0.36002
0.126288	0.00628	-0.04871	0.29347	0.339369	4.73E-14	0.166454	0.0003	0.283564

0.291815	1.28E-10	0.297868	5.05E-11	0.612685	1.82E-49	0.430784	1.59E-22	0.446326
0.027862	0.5481	-0.07659	0.09829	0.088225	0.05676	-0.035	0.45049	0.115582
0.040846	0.37849	-0.2248	9.21E-07	0.440698	1.31E-23	0.114705	0.01313	0.373435
0.10379	0.0249	-0.32547	5.52E-13	0.392196	1.27E-18	0.027805	0.54892	0.301477
0.046841	0.31245	-0.31632	2.60E-12	0.263604	7.30E-09	-0.04027	0.38522	0.142217
0.07576	0.10202	-0.02655	0.56717	0.146781	0.00147	0.035564	0.44325	0.125235
-0.04499	0.33198	-0.35081	5.71E-15	0.137756	0.00285	-0.13721	0.00297	0.092848
0.176047	0.00013	0.013185	0.77628	0.501235	4.47E-31	0.232508	3.76E-07	0.393734
0.238275	1.88E-07	-0.02618	0.57247	0.4874	3.09E-29	0.300103	3.56E-11	0.318484
-0.04582	0.32309	-0.1907	3.35E-05	0.027472	0.55372	-0.04191	0.36613	0.039334
0.134655	0.00355	-0.33367	1.31E-13	0.21037	4.53E-06	-0.15668	0.00068	0.114199
0.057397	0.21569	-0.27937	8.06E-10	0.132122	0.00424	-0.27912	8.35E-10	0.117504
0.17249	0.00018	-0.06919	0.13541	0.461133	5.76E-26	0.178432	0.00011	0.323796
0.087101	0.06	-0.17186	0.00019	0.316578	2.49E-12	0.050303	0.278	0.23064
0.20961	4.91E-06	-0.07304	0.11498	0.302734	2.36E-11	0.082559	0.07469	0.199559
-0.03946	0.39488	-0.35056	5.98E-15	-0.02557	0.58145	-0.28347	4.44E-10	-0.16561
0.009557	0.8368	0.263916	7.00E-09	-0.24446	8.79E-08	0.006871	0.88228	-0.13821
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0.046351	0.31755	-0.12383	0.00738	-0.0374	0.42004	-0.1804	8.84E-05	-0.00791
0.094504	0.04122	-0.15498	0.00078	0.123663	0.00746	-0.10565	0.02241	0.00802
0.067424	0.14573	-0.21356	3.22E-06	0.364952	3.69E-16	0.228895	5.74E-07	0.162059
-0.12898	0.00525	-0.45795	1.37E-25	0.096371	0.03736	-0.26822	3.89E-09	0.02851
0.119423	0.00979	-0.15243	0.00095	-0.01516	0.7439	-0.12088	0.00892	-0.02831
0.048132	0.29929	-0.38933	2.37E-18	0.166259	0.00031	-0.12151	0.00858	-0.00156
0.361535	7.24E-16	0.135597	0.00332	0.522084	5.18E-34	0.267121	4.52E-09	0.328696
0.162041	0.00044	-0.07974	0.0852	0.1759	0.00013	-0.14238	0.00204	0.121875
0.02971	0.52188	-0.12696	0.00601	0.231432	4.27E-07	0.073133	0.1145	0.066647
0.023661	0.61004	-0.22258	1.19E-06	-0.17803	0.00011	-0.1984	1.57E-05	-0.12645
0.241889	1.21E-07	-0.00182	0.96867	0.470179	4.64E-27	0.232975	3.55E-07	0.341453
0.23497	2.80E-07	0.231515	4.22E-07	0.391449	1.50E-18	0.375595	4.29E-17	0.244364
-0.03388	0.46518	-0.20522	7.80E-06	0.097761	0.03468	-0.00746	0.87223	-0.06582
0.093916	0.0425	-0.1706	0.00021	0.335699	9.16E-14	0.078209	0.09138	0.196471
0.136095	0.00321	-0.26735	4.38E-09	0.305237	1.58E-11	-0.15144	0.00103	0.244834
0.226201	7.84E-07	-0.12543	0.00665	0.304543	1.77E-11	-0.02338	0.61435	0.181144
0.177573	0.00011	-0.05414	0.24292	0.346975	1.17E-14	0.132925	0.00401	0.232121
0.009201	0.8428	-0.14983	0.00116	0.107759	0.01985	-0.11359	0.01405	0.022926
0.234082	3.12E-07	0.090869	0.04971	0.286719	2.75E-10	0.057153	0.21766	0.145563
-0.10774	0.01987	0.269983	3.04E-09	-0.37166	9.61E-17	-0.12946	0.00508	-0.23713
0.094739	0.04071	-0.32521	5.78E-13	0.144348	0.00176	-0.26953	3.24E-09	0.066968
0.076555	0.09846	-0.34672	1.23E-14	0.271631	2.42E-09	-0.02856	0.53819	0.195802
-0.05806	0.21043	-0.3387	5.34E-14	0.186263	5.12E-05	-0.09654	0.03701	0.124255
0.133162	0.00394	-0.17335	0.00017	0.106237	0.02167	-0.12291	0.00784	0.088828
0.047192	0.30884	-0.01034	0.82367	0.211745	3.91E-06	0.011267	0.80813	0.293473
0.23742	2.09E-07	0.078459	0.09034	0.321436	1.10E-12	0.086673	0.06127	0.288283
0.150218	0.00113	-0.14806	0.00133	0.434725	5.96E-23	-0.01502	0.74608	0.360147

0.150583	0.0011	-0.204	8.85E-06	0.396539	4.91E-19	-0.02747	0.55369	0.277327
0.263547	7.36E-09	0.209813	4.81E-06	0.438635	2.21E-23	0.298801	4.37E-11	0.325901
0.023861	0.60702	-0.06064	0.19083	0.293635	9.69E-11	0.195273	2.14E-05	0.133666
0.108594	0.01891	-0.15217	0.00097	0.412325	1.36E-20	0.166571	0.0003	0.27568
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0.241913	1.21E-07	-0.14021	0.00239	0.43912	1.96E-23	0.042044	0.36465	0.315673
0.094698	0.0408	-0.12036	0.00923	0.338455	5.58E-14	0.26946	3.27E-09	0.164012
-0.04734	0.30735	-0.11393	0.01376	0.19769	1.68E-05	-0.04243	0.36022	0.234219
0.054481	0.23997	-0.17282	0.00017	0.227688	6.60E-07	0.028005	0.54605	0.118537
0.140945	0.00227	-0.246	7.25E-08	0.33871	5.33E-14	0.040572	0.3817	0.157503
0.301367	2.92E-11	0.225923	8.09E-07	0.412603	1.27E-20	0.237114	2.17E-07	0.284929
0.146286	0.00153	-0.17172	0.00019	0.249241	4.81E-08	-0.04448	0.33746	0.144506
0.123588	0.0075	-0.04638	0.31726	0.39642	5.04E-19	0.130424	0.00476	0.363434
0.008698	0.85129	-0.30557	1.50E-11	-0.04059	0.38154	-0.18951	3.76E-05	-0.13226
0.135596	0.00333	-0.13579	0.00328	0.356779	1.83E-15	0.087214	0.05967	0.265537
0.288024	2.26E-10	-0.01154	0.80354	0.477898	5.08E-28	0.327377	3.97E-13	0.342008
0.025617	0.58081	-0.20921	5.13E-06	0.017758	0.70189	-0.09856	0.03322	-0.00274
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0.012598	0.78598	-0.28678	2.72E-10	0.007435	0.87269	-0.23382	3.22E-07	0.032032
0.023966	0.60544	-0.38784	3.26E-18	0.220175	1.55E-06	-0.12733	0.00586	0.184521
0.293173	1.04E-10	0.087647	0.05841	0.48007	2.70E-28	0.164673	0.00035	0.3383
0.128423	0.00545	-0.19393	2.45E-05	0.276799	1.17E-09	0.026805	0.56339	0.171962
0.164827	0.00035	-0.1344	0.00362	0.40822	3.51E-20	0.126196	0.00632	0.23445
0.326296	4.79E-13	0.111228	0.01619	0.439845	1.63E-23	0.210911	4.28E-06	0.289072
0.058553	0.20658	-0.19585	2.02E-05	0.208339	5.62E-06	-0.10162	0.0281	0.121248
0.325805	5.21E-13	-0.15	0.00115	0.387113	3.82E-18	-0.00289	0.9504	0.29482
0.038566	0.40569	-0.36192	6.72E-16	0.088358	0.05638	-0.18865	4.08E-05	0.070575
0.006144	0.89466	-0.29279	1.10E-10	-0.11196	0.0155	-0.26455	6.42E-09	-0.20815
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0.265629	5.54E-09	0.148754	0.00126	0.326774	4.41E-13	0.100793	0.02942	0.151793
0.301183	3.01E-11	-0.00491	0.91568	0.561248	4.12E-40	0.193679	2.51E-05	0.364888
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0.021566	0.64204	-0.11156	0.01587	0.23998	1.53E-07	0.005756	0.90127	0.191103
0.116829	0.01152	-0.21685	2.24E-06	0.261662	9.48E-09	-0.04344	0.34887	0.197145
-0.04989	0.28198	-0.29369	9.62E-11	0.010108	0.82754	-0.10932	0.01812	-0.10521
0.174465	0.00015	-0.11373	0.01392	0.228909	5.73E-07	-0.08329	0.07214	0.148177
0.157108	0.00066	-0.0752	0.10456	0.32765	3.78E-13	0.112541	0.01496	0.211664
0.181333	8.12E-05	-0.04556	0.32584	0.418414	3.23E-21	0.295797	6.96E-11	0.222642
0.207983	5.84E-06	-0.11295	0.0146	0.362406	6.10E-16	0.078687	0.08941	0.240053
-0.04683	0.31262	-0.46728	1.05E-26	0.039901	0.38962	-0.25367	2.72E-08	0.037826
0.308195	9.85E-12	0.045772	0.32364	0.416799	4.74E-21	0.193353	2.59E-05	0.248492
0.111562	0.01587	-0.0851	0.06613	0.309365	8.15E-12	0.032137	0.48844	0.214857
0.066614	0.15064	-0.26267	8.28E-09	0.176815	0.00012	-0.028	0.54609	0.032774
0.415862	5.91E-21	0.211208	4.14E-06	0.397691	3.80E-19	0.289978	1.69E-10	0.154011



-0.05582	0.2286	-0.2054	7.66E-06	0.110175	0.01723	0.009699	0.83442	-0.04523
0.350354	6.22E-15	0.259106	1.33E-08	0.686739	2.07E-66	0.471222	3.45E-27	0.521834
-0.15148	0.00102	-0.52505	1.90E-34	-0.04505	0.33134	-0.32708	4.17E-13	-0.07693
0.289453	1.83E-10	-0.01025	0.82517	0.356671	1.86E-15	0.148408	0.0013	0.214211
0.167684	0.00027	0.12086	0.00894	0.321213	1.14E-12	0.227953	6.40E-07	0.189561
0.163755	0.00038	-0.12423	0.00719	0.264766	6.24E-09	-0.01078	0.81621	0.163007
0.022321	0.63042	-0.1504	0.00111	0.271916	2.32E-09	0.04777	0.30294	0.16302
0.23669	2.28E-07	-0.08334	0.07197	0.338689	5.35E-14	0.099253	0.032	0.184411
-0.11478	0.01307	-0.33995	4.26E-14	0.142322	0.00205	0.021688	0.64016	-0.0099
0.057899	0.2117	-0.17618	0.00013	0.070693	0.12713	-0.05342	0.24928	-0.01178
0.025446	0.58334	-0.17699	0.00012	0.233093	3.51E-07	0.009876	0.83145	0.119224
0.092372	0.04603	-0.15047	0.00111	0.333463	1.36E-13	0.040407	0.38363	0.254044
0.051589	0.26588	-0.09923	0.03204	-0.01847	0.69048	-0.079	0.08814	-0.02498
-0.09797	0.03429	-0.31421	3.68E-12	-0.17242	0.00018	-0.27493	1.52E-09	-0.21416
-0.0298	0.52066	-0.14178	0.00213	0.219171	1.74E-06	0.143662	0.00186	0.052474
0.020798	0.65395	-0.10674	0.02105	-0.03841	0.40765	-0.12581	0.00648	-0.01787
-0.17089	0.00021	-0.42794	3.22E-22	-0.21794	1.99E-06	-0.27725	1.09E-09	-0.20046
0.218497	1.87E-06	0.132381	0.00416	0.249008	4.96E-08	0.145325	0.00164	0.100893
0.31149	5.76E-12	0.181041	8.34E-05	0.460412	7.02E-26	0.373864	6.12E-17	0.255445
0.269817	3.11E-09	-0.04329	0.3506	0.442798	7.61E-24	0.060522	0.1917	0.345417
0.165409	0.00033	-0.08651	0.06178	0.353376	3.51E-15	0.013451	0.77189	0.31835
0.245297	7.92E-08	0.179209	9.86E-05	0.391937	1.35E-18	0.141108	0.00224	0.319513
-0.04758	0.30483	-0.40053	2.01E-19	-0.00748	0.87192	-0.25848	1.45E-08	-0.06707
0.399194	2.72E-19	0.124408	0.00711	0.478581	4.17E-28	0.242199	1.16E-07	0.250639
0.046967	0.31116	-0.26654	4.89E-09	0.210072	4.68E-06	0.071043	0.12526	0.108392
0.010017	0.82907	-0.41419	8.76E-21	-0.00632	0.89171	-0.28978	1.74E-10	-0.08658
0.116091	0.01206	0.095657	0.03879	0.154304	0.00082	0.102141	0.0273	0.140125
0.349062	7.93E-15	-0.09714	0.03585	0.343066	2.41E-14	0.075592	0.10278	0.262108
0.176227	0.00013	0.030041	0.51724	0.519736	1.13E-33	0.320587	1.27E-12	0.353712
0.151344	0.00104	-0.11222	0.01525	0.296739	6.02E-11	0.054228	0.24216	0.178119
-0.04443	0.33805	-0.08517	0.06591	-0.02066	0.65601	-0.0387	0.40403	-0.03302
0.099132	0.03221	-0.02583	0.57763	0.33532	9.81E-14	0.133194	0.00393	0.192307
0.038878	0.40191	-0.32411	6.97E-13	0.258619	1.42E-08	-0.11094	0.01647	0.189031
0.0191	0.68057	-0.21018	4.63E-06	0.244412	8.85E-08	0.033957	0.46413	0.113009
0.24965	4.57E-08	0.111182	0.01623	0.394026	8.53E-19	0.175362	0.00014	0.29729
-0.05167	0.26509	-0.33193	1.79E-13	-0.04208	0.36421	-0.10244	0.02685	-0.16312
-0.12295	0.00781	-0.20438	8.51E-06	-0.12195	0.00833	-0.29467	8.28E-11	-0.06844
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0.377543	2.87E-17	0.12131	0.00869	0.476196	8.31E-28	0.226118	7.92E-07	0.302703
0.136716	0.00307	0.008809	0.84942	0.333287	1.41E-13	0.208859	5.32E-06	0.172373
0.136574	0.0031	-0.1175	0.01105	0.285969	3.07E-10	-0.00886	0.8485	0.162819
0.145421	0.00163	-0.08008	0.08388	0.295885	6.86E-11	-0.04989	0.28201	0.225592
0.112702	0.01482	-0.3023	2.53E-11	0.250229	4.24E-08	-0.08932	0.05374	0.086054
0.132042	0.00426	-0.14307	0.00194	0.190837	3.31E-05	-0.07415	0.10952	0.147137
0.285726	3.18E-10	-0.06856	0.13903	0.459643	8.66E-26	0.084558	0.0679	0.358106

0.291422	1.36E-10	0.002585	0.95557	0.291277	1.39E-10	0.00853	0.85414	0.201193
0.150527	0.0011	-0.14385	0.00183	0.059284	0.20095	-0.08407	0.06952	-0.00257
0.105309	0.02285	-0.13074	0.00466	0.181559	7.95E-05	-0.08046	0.08241	0.113187
0.266052	5.23E-09	0.05167	0.26513	0.520921	7.64E-34	0.27345	1.87E-09	0.364885
0.331042	2.09E-13	0.195257	2.15E-05	0.519317	1.30E-33	0.233547	3.32E-07	0.419778
0.01733	0.70875	-0.34328	2.32E-14	0.147967	0.00134	-0.16007	0.00052	0.004388
0.327123	4.15E-13	0.328931	3.03E-13	0.518785	1.56E-33	0.346155	1.36E-14	0.389945
0.123213	0.00768	-0.29313	1.05E-10	0.093522	0.04338	-0.13419	0.00367	0.029678
0.158822	0.00057	-0.20942	5.01E-06	0.440967	1.22E-23	0.082286	0.07565	0.275557
-0.03935	0.39624	-0.24528	7.94E-08	0.077109	0.09604	-0.09227	0.04628	0.017219
0.415527	6.40E-21	0.189418	3.79E-05	0.48615	4.49E-29	0.223281	1.09E-06	0.275045
0.215439	2.62E-06	-0.07412	0.10968	0.380291	1.62E-17	0.161003	0.00048	0.196987
-0.03767	0.41675	-0.47088	3.80E-27	-0.13625	0.00317	-0.38662	4.25E-18	-0.13186
0.175547	0.00014	-0.05582	0.22861	0.487432	3.06E-29	0.247237	6.21E-08	0.290971
0.383644	8.00E-18	0.11052	0.01688	0.55734	1.82E-39	0.263842	7.07E-09	0.422648
0.103254	0.02566	-0.36193	6.71E-16	0.050882	0.27249	-0.22473	9.28E-07	-0.1025
0.149385	0.0012	-0.05082	0.27307	0.188146	4.28E-05	-0.02274	0.62406	0.047524
0.13745	0.00292	-0.14398	0.00181	0.190266	3.50E-05	-0.09667	0.03676	0.164595
0.204261	8.62E-06	0.106172	0.02175	0.300035	3.60E-11	0.128079	0.00557	0.106314
0.077997	0.09226	-0.20814	5.74E-06	0.303719	2.02E-11	0.030967	0.50441	0.158783
-0.06866	0.13847	-0.32851	3.26E-13	0.05363	0.2474	-0.04425	0.34001	-0.03243
0.011537	0.80363	-0.24142	1.28E-07	0.276449	1.23E-09	0.034631	0.45531	0.106726
0.166664	0.0003	-0.26099	1.04E-08	0.254735	2.37E-08	-0.09182	0.04736	0.141913
0.281596	5.83E-10	0.068703	0.13822	0.281867	5.61E-10	0.042652	0.35774	0.198156
0.130824	0.00463	-0.05171	0.26476	0.274853	1.54E-09	0.106078	0.02187	0.251197
0.348427	8.93E-15	0.129279	0.00514	0.701009	2.83E-70	0.363679	4.75E-16	0.506753
0.207156	6.37E-06	-0.16031	0.00051	0.231746	4.11E-07	0.020576	0.6574	0.09933
0.288105	2.23E-10	-0.028	0.54619	0.530964	2.51E-35	0.228055	6.33E-07	0.273821
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0.173536	0.00016	0.041194	0.37443	0.420742	1.85E-21	0.167512	0.00028	0.316682
0.136074	0.00321	-0.30385	1.97E-11	0.228112	6.29E-07	-0.11181	0.01563	0.126401
0.052474	0.25776	-0.10485	0.02345	0.278448	9.20E-10	-0.01028	0.82463	0.167935
0.023538	0.61189	0.017243	0.71015	0.310209	7.10E-12	0.14285	0.00197	0.219936
0.218041	1.97E-06	-0.16586	0.00032	0.324911	6.07E-13	-0.03362	0.46856	0.2687
0.189459	3.78E-05	-0.06924	0.13518	0.40641	5.32E-20	0.099498	0.03157	0.293312
0.141687	0.00215	-0.18816	4.28E-05	0.206432	6.87E-06	-0.04132	0.37299	0.227084
0.097874	0.03447	-0.16799	0.00027	0.14794	0.00135	-0.04567	0.32473	-0.01941
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0.159771	0.00053	-0.20328	9.53E-06	0.255556	2.13E-08	-0.1492	0.00122	0.180001
-0.19218	2.90E-05	-0.40989	2.39E-20	-0.08743	0.05903	-0.27896	8.55E-10	-0.14277
-0.10264	0.02656	-0.35967	1.04E-15	-0.29931	4.03E-11	-0.48713	3.35E-29	-0.24071
0.01909	0.68073	0.056358	0.22413	0.349286	7.60E-15	0.122311	0.00814	0.370271
0.005699	0.90225	-0.28524	3.42E-10	0.207181	6.35E-06	-0.02186	0.63754	0.101092
0.207758	5.98E-06	-0.26124	1.00E-08	0.456093	2.27E-25	0.021722	0.63963	0.304085
0.060325	0.19315	-0.19112	3.22E-05	0.160985	0.00048	-0.03136	0.49902	0.101681

0.186861	4.84E-05	-0.11917	0.00995	0.322137	9.76E-13	0.062817	0.17536	0.260312
0.023379	0.6143	-0.24101	1.35E-07	0.011499	0.80427	-0.22483	9.18E-07	-0.07289
-0.17374	0.00016	-0.31743	2.16E-12	-0.24528	7.94E-08	-0.36149	7.30E-16	-0.1843
0.005444	0.9066	-0.3575	1.59E-15	0.103557	0.02523	-0.10631	0.02157	0.06739
0.179028	0.0001	-0.08924	0.05396	0.272844	2.04E-09	0.059278	0.20101	0.172477
0.188683	4.07E-05	-0.09563	0.03884	0.412603	1.27E-20	0.115022	0.01287	0.259743
0.091473	0.0482	-0.25932	1.30E-08	0.043601	0.34714	-0.06494	0.16119	-0.01014
-0.05577	0.22904	-0.21612	2.43E-06	0.269237	3.38E-09	0.108	0.01957	0.109494
0.276899	1.15E-09	0.343971	2.04E-14	0.189493	3.77E-05	0.16664	0.0003	0.079774
0.109825	0.01759	-0.08077	0.08121	0.331571	1.91E-13	0.125936	0.00643	0.176064
0.117788	0.01085	-0.28805	2.25E-10	0.31883	1.71E-12	0.008975	0.84662	0.233195
0.007784	0.86676	-0.31769	2.07E-12	0.363473	4.95E-16	0.059235	0.20133	0.199345
0.087347	0.05928	-0.09612	0.03786	0.312173	5.15E-12	0.186951	4.80E-05	0.162224
0.059588	0.19865	-0.21064	4.40E-06	0.249463	4.68E-08	-0.15761	0.00063	0.208818
0.374613	5.25E-17	0.316748	2.42E-12	0.543194	3.36E-37	0.418357	3.27E-21	0.467744
0.167208	0.00028	-0.01839	0.69176	0.361425	7.40E-16	0.13733	0.00294	0.29772
0.037477	0.4191	-0.12312	0.00773	0.231436	4.26E-07	-0.03012	0.5161	0.286382
0.144849	0.0017	-0.22277	1.16E-06	0.312886	4.59E-12	0.020622	0.65669	0.144584
0.131967	0.00428	-0.27967	7.71E-10	0.387743	3.34E-18	0.02959	0.52356	0.331939
0.137368	0.00293	-0.11086	0.01654	0.179697	9.43E-05	-0.10567	0.02238	0.195484
0.021243	0.64704	-0.25498	2.30E-08	0.149912	0.00116	-0.03121	0.50113	0.002995
0.307516	1.10E-11	0.119359	0.00983	0.512775	1.12E-32	0.29561	7.16E-11	0.345799
0.022085	0.63405	-0.33979	4.38E-14	0.201749	1.12E-05	-0.0469	0.31183	0.110771
0.066954	0.14856	-0.15142	0.00103	0.262913	8.01E-09	0.019344	0.67672	0.210022
-0.02506	0.58908	-0.24168	1.24E-07	-0.1604	0.0005	-0.26784	4.09E-09	-0.12
0.110765	0.01664	-0.18725	4.66E-05	0.195783	2.04E-05	0.045304	0.32862	0.094341
0.432941	9.32E-23	0.400036	2.25E-19	0.567347	3.90E-41	0.402802	1.21E-19	0.523709
0.087222	0.05964	-0.30208	2.61E-11	0.295546	7.23E-11	0.036088	0.43655	0.127744
-0.01134	0.80695	-0.04852	0.29538	0.025521	0.58223	-0.05943	0.19984	0.025633
0.171771	0.00019	-0.10716	0.02055	0.33876	5.29E-14	0.086745	0.06106	0.177982
-0.11707	0.01134	-0.32993	2.55E-13	-0.07345	0.11295	-0.17844	0.00011	-0.15706
0.047745	0.3032	-0.31414	3.73E-12	0.0988	0.0328	-0.10654	0.02129	-0.06092
0.291104	1.42E-10	0.046938	0.31146	0.483339	1.03E-28	0.207347	6.24E-06	0.322944
0.271546	2.45E-09	0.08387	0.07017	0.358501	1.31E-15	0.211559	3.99E-06	0.23823
-0.03016	0.51557	-0.05086	0.27273	0.150893	0.00107	0.051713	0.26474	0.141974
0.307981	1.02E-11	0.226361	7.70E-07	0.422859	1.11E-21	0.329543	2.72E-13	0.27186
0.233868	3.20E-07	0.070287	0.12934	0.254787	2.36E-08	0.064436	0.16447	0.174085
0.010064	0.82828	-0.07541	0.10363	0.175939	0.00013	0.113881	0.0138	0.031348
-0.00123	0.97888	-0.24782	5.77E-08	0.149766	0.00117	-0.11871	0.01024	0.060958
0.233082	3.51E-07	0.144744	0.00171	0.253006	2.97E-08	0.115757	0.01231	0.23277
0.219504	1.67E-06	-0.08442	0.06835	0.207486	6.15E-06	0.100395	0.03007	0.005045
0.075179	0.10468	-0.31408	3.76E-12	0.043795	0.34499	-0.16556	0.00033	0.022468
0.067396	0.14589	-0.28545	3.32E-10	0.239691	1.58E-07	0.029053	0.53113	0.119277
0.436352	3.95E-23	0.179901	9.26E-05	0.552362	1.17E-38	0.384984	6.02E-18	0.307922
0.365965	3.02E-16	0.200578	1.26E-05	0.482935	1.16E-28	0.287594	2.41E-10	0.393175

-0.1249	0.00688	-0.20814	5.74E-06	-0.04521	0.32959	-0.21038	4.53E-06	-0.02811
-0.02088	0.65272	-0.22432	9.73E-07	0.164136	0.00037	-0.1152	0.01273	0.176921
-0.01148	0.80461	-0.28378	4.24E-10	0.013698	0.76781	-0.2737	1.81E-09	-0.08669
0.100197	0.03039	0.027884	0.54778	0.431306	1.40E-22	0.169298	0.00024	0.365581
0.166993	0.00029	-0.02598	0.57551	0.217895	2.00E-06	0.017308	0.7091	0.131505
0.110506	0.0169	-0.17575	0.00013	-0.05235	0.25887	-0.19099	3.26E-05	-0.04339
0.20938	5.04E-06	-0.2077	6.02E-06	0.322534	9.12E-13	-0.07346	0.11286	0.176268
0.015151	0.744	-0.22035	1.52E-06	-0.14869	0.00127	-0.25508	2.27E-08	-0.17438
0.19524	2.15E-05	-0.18442	6.10E-05	0.327903	3.62E-13	0.101889	0.02769	0.235514
0.280247	7.10E-10	0.072047	0.11999	0.485808	4.97E-29	0.147685	0.00137	0.397875
-0.02063	0.65655	-0.29312	1.05E-10	-0.12811	0.00556	-0.21775	2.03E-06	-0.08446
0.07069	0.12715	-0.04736	0.30714	0.274328	1.66E-09	0.191007	3.25E-05	0.182455
0.221277	1.37E-06	0.159489	0.00054	0.442232	8.80E-24	0.330419	2.33E-13	0.25383
0.003364	0.9422	-0.3141	3.76E-12	0.263611	7.29E-09	0.030275	0.51399	0.127265
0.095252	0.03963	-0.20573	7.39E-06	0.1071	0.02062	-0.10956	0.01786	0.036513
0.126095	0.00636	-0.10197	0.02756	0.357541	1.58E-15	0.124522	0.00706	0.210616
0.039239	0.39754	0.283314	4.54E-10	-0.21727	2.14E-06	0.089556	0.05311	-0.18939
0.291953	1.25E-10	-0.01035	0.82355	0.528177	6.56E-35	0.143601	0.00186	0.413781
0.158091	0.00061	-0.08822	0.05677	0.122167	0.00822	0.007521	0.87122	0.077598
-0.17612	0.00013	-0.31987	1.43E-12	-0.1497	0.00118	-0.23945	1.63E-07	-0.20383
0.259151	1.33E-08	0.006756	0.88423	0.338699	5.34E-14	0.114663	0.01316	0.299614
-0.04341	0.34926	-0.18357	6.60E-05	0.289229	1.89E-10	0.120011	0.00943	0.175598
-0.06404	0.16712	0.252642	3.11E-08	-0.2933	1.02E-10	-0.02787	0.54792	-0.20363
-0.05703	0.21868	-0.28766	2.39E-10	0.03515	0.44857	-0.16815	0.00026	-0.1023
0.062837	0.17522	-0.30121	2.99E-11	0.050794	0.27332	-0.13167	0.00437	-0.02682
-0.11779	0.01085	-0.39909	2.78E-19	-0.0985	0.03333	-0.24324	1.02E-07	-0.19754
-0.07994	0.08442	-0.3754	4.47E-17	0.013113	0.77747	-0.12745	0.00581	-0.01742
0.013756	0.76685	-0.23825	1.89E-07	0.123234	0.00767	0.004952	0.915	-0.08046
0.216162	2.42E-06	0.035575	0.44311	0.456093	2.27E-25	0.317956	1.98E-12	0.287265
-0.07325	0.11391	-0.2861	3.01E-10	-0.13453	0.00358	-0.42668	4.39E-22	-0.12819
0.348348	9.06E-15	0.123831	0.00738	0.56955	1.64E-41	0.286491	2.84E-10	0.483428
0.075973	0.10105	-0.27613	1.28E-09	0.149185	0.00122	-0.0339	0.46491	0.078089
-0.02941	0.5261	-0.28838	2.14E-10	0.231358	4.30E-07	-0.00515	0.91154	0.088852
-0.03077	0.5071	-0.23181	4.08E-07	0.326078	4.97E-13	0.119901	0.0095	0.21961
-0.20437	8.52E-06	-0.3364	8.09E-14	-0.17623	0.00013	-0.24031	1.47E-07	-0.15437
0.161183	0.00047	-0.10738	0.02029	0.371736	9.45E-17	0.066884	0.14899	0.292639
0.282373	5.21E-10	-0.06086	0.18921	0.302057	2.62E-11	-0.056	0.22706	0.290723
-0.02173	0.6395	-0.3383	5.74E-14	0.114447	0.01333	-0.04725	0.30822	-0.00052
0.175976	0.00013	-0.21586	2.50E-06	0.332281	1.68E-13	-0.0194	0.67577	0.256666
0.40277	1.22E-19	-0.06013	0.19462	0.196491	1.90E-05	0.04384	0.34451	0.125981
0.004654	0.9201	-0.17385	0.00016	-0.03268	0.48113	-0.053	0.25305	-0.12516
0.026898	0.56204	-0.26066	1.08E-08	0.202662	1.02E-05	-0.08113	0.07987	0.068056
0.11224	0.01524	-0.16144	0.00046	0.164421	0.00036	-0.06302	0.17393	0.126469
0.107904	0.01968	-0.3023	2.52E-11	0.065037	0.16056	-0.24578	7.45E-08	-0.01466
0.133637	0.00381	-0.3389	5.16E-14	0.149284	0.00121	-0.19748	1.72E-05	0.051548

0.100013	0.0307	-0.13056	0.00471	0.076875	0.09706	-0.10408	0.0245	0.054394
0.329184	2.90E-13	0.179047	0.0001	0.442032	9.27E-24	0.265495	5.65E-09	0.398329
0.043701	0.34604	-0.1961	1.97E-05	-0.07819	0.09148	-0.21181	3.88E-06	-0.10844
-0.00802	0.86272	-0.43892	2.06E-23	0.000291	0.995	-0.20204	1.08E-05	-0.08633
-0.06795	0.14262	-0.40246	1.31E-19	0.164383	0.00036	-0.08342	0.07168	0.029905
-0.06525	0.15917	-0.11644	0.0118	0.110558	0.01684	0.026461	0.56841	0.058975
-0.00918	0.84308	-0.06983	0.13185	0.186128	5.19E-05	0.048434	0.29626	0.177265
-0.2282	6.22E-07	-0.30713	1.17E-11	-0.0294	0.5262	-0.13629	0.00317	-0.06855
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0.053836	0.24559	0.041569	0.37009	0.151327	0.00104	0.067623	0.14454	0.119579
-0.32569	5.31E-13	-0.2791	8.38E-10	-0.23526	2.71E-07	-0.13366	0.00381	-0.24981
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-0.09043	0.05083	-0.11542	0.01256	0.058072	0.21034	-0.02471	0.59436	0.012299
0.100792	0.02942	0.042491	0.35956	0.218885	1.79E-06	0.095961	0.03818	0.172855
-0.19757	1.70E-05	-0.2409	1.37E-07	0.106596	0.02123	0.072863	0.11585	-0.00714
-0.23507	2.77E-07	-0.34578	1.46E-14	-0.12531	0.0067	-0.21612	2.43E-06	-0.15844
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-0.14317	0.00192	-0.20529	7.75E-06	0.136732	0.00307	0.045448	0.32708	0.04079
0.096473	0.03715	-0.08534	0.06537	0.249765	4.50E-08	0.040258	0.38539	0.240817
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0.029798	0.52064	-0.04945	0.28623	0.22552	8.48E-07	0.109556	0.01787	0.151517
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0.084403	0.0684	0.017463	0.70662	0.210591	4.43E-06	0.114254	0.01349	0.164462
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-0.17101	0.0002	-0.11922	0.00992	0.042343	0.36124	0.063832	0.16847	-0.01134
-0.31646	2.54E-12	-0.28921	1.89E-10	-0.1895	3.76E-05	-0.07434	0.10864	-0.26847
0.091665	0.04773	0.034081	0.4625	0.255385	2.18E-08	0.24788	5.72E-08	0.126794
0.047735	0.3033	-0.0176	0.70441	0.336653	7.73E-14	0.218836	1.80E-06	0.208718
-0.11036	0.01704	-0.05006	0.28033	0.215153	2.70E-06	0.205831	7.32E-06	0.170456
-0.18401	6.33E-05	-0.24655	6.76E-08	0.124405	0.00711	0.05915	0.20198	0.02948
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-0.07562	0.10267	-0.31587	2.80E-12	0.053592	0.24774	-0.12289	0.00784	-0.04303
0.022518	0.62741	0.063569	0.17024	0.268084	3.96E-09	0.219174	1.74E-06	0.165121
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-0.41237	1.34E-20	-0.34369	2.15E-14	-0.28677	2.73E-10	-0.1744	0.00015	-0.316
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-0.03849	0.40668	-0.19143	3.12E-05	0.00804	0.86243	-0.15225	0.00096	-0.03906
-0.12325	0.00767	-0.04052	0.38236	0.206385	6.91E-06	0.244836	8.39E-08	0.101932
-0.20371	9.12E-06	-0.18284	7.06E-05	-0.17281	0.00017	-0.20603	7.17E-06	-0.16933

0.002013	0.9654	-0.1314	0.00445	0.142725	0.00199	-0.00503	0.91368	0.03625
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0.073488	0.11274	0.019282	0.67769	0.164805	0.00035	0.18214	7.54E-05	0.062463
-0.34834	9.07E-15	-0.24656	6.76E-08	-0.22151	1.34E-06	-0.13254	0.00412	-0.13881
-0.10369	0.02503	-0.30852	9.34E-12	0.144637	0.00173	0.030667	0.50855	0.038377
-0.12453	0.00705	-0.30967	7.76E-12	0.072316	0.11861	-0.12066	0.00905	0.022583
0.005469	0.90617	0.025998	0.5752	0.069407	0.13422	0.012855	0.78172	0.112895
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-0.2572	1.72E-08	-0.33367	1.31E-13	-0.1462	0.00153	-0.13027	0.00481	-0.20742
-0.1106	0.0168	-0.15417	0.00083	0.189196	3.87E-05	0.142618	0.002	0.06301
-0.06643	0.15177	-0.14205	0.00209	0.069194	0.13542	-0.09087	0.04969	0.106959
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-0.26765	4.21E-09	-0.22751	6.74E-07	-0.07934	0.08679	-0.10703	0.0207	-0.10829
0.030709	0.50797	-0.09052	0.05059	0.214784	2.82E-06	0.046062	0.32058	0.142352
-0.27844	9.22E-10	-0.24869	5.16E-08	-0.10484	0.02347	-0.02701	0.56037	-0.15124
0.040854	0.37839	-0.09214	0.04659	0.058697	0.20546	0.013555	0.77017	-0.06145
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-0.23447	2.97E-07	-0.18493	5.81E-05	-0.01337	0.77326	0.020422	0.65981	-0.09588
0.026428	0.56889	-0.05804	0.2106	0.280624	6.72E-10	0.221928	1.28E-06	0.217993
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-0.03579	0.44031	-0.21166	3.95E-06	-0.2257	8.30E-07	-0.33905	5.01E-14	-0.20126
0.074191	0.10934	0.119323	0.00985	0.036708	0.42871	0.030764	0.50721	0.015508
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-0.0489	0.29163	0.249497	4.66E-08	-0.00857	0.85345	0.167119	0.00029	-0.06363
-0.02083	0.65345	0.037505	0.41874	-0.0468	0.31288	-0.07871	0.0893	0.020843
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-0.20322	9.59E-06	-0.01708	0.71272	-0.12891	0.00527	-0.0127	0.78425	-0.15676
-0.16998	0.00022	-0.0936	0.0432	-0.28303	4.73E-10	-0.17865	0.0001	-0.30419
0.037673	0.41667	0.345392	1.57E-14	-0.08987	0.05228	0.059657	0.19813	-0.0442
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0.004789	0.91779	0.102217	0.02719	0.009932	0.8305	0.048886	0.29178	0.045151
-0.12303	0.00778	0.057797	0.21251	-0.2639	7.02E-09	-0.19961	1.39E-05	-0.21091
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-0.09918	0.03212	0.00134	0.97697	-0.17289	0.00017	0.018549	0.68929	-0.12504
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-0.03411	0.46206	0.120909	0.00891	0.052963	0.25334	0.048325	0.29735	0.006374
0.156397	0.00069	0.239192	1.68E-07	0.089718	0.05268	0.101325	0.02857	0.076884
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-0.09341	0.04363	0.072541	0.11747	-0.15538	0.00075	0.051636	0.26544	-0.12325
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-0.08768	0.05832	0.084585	0.06781	-0.21713	2.18E-06	-0.14663	0.00149	-0.12026
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-0.08793	0.0576	-0.16338	0.00039	-0.14167	0.00215	-0.11827	0.01053	-0.15716
-0.03701	0.42491	0.10813	0.01942	-0.20276	1.01E-05	-0.20298	9.84E-06	-0.11985
-0.17049	0.00021	-0.04977	0.28309	-0.15075	0.00108	-0.15174	0.001	-0.05141
-0.19421	2.38E-05	0.05054	0.27574	-0.22996	5.07E-07	-0.00042	0.99284	-0.27
-0.1081	0.01946	-0.0618	0.18249	-0.25385	2.66E-08	-0.21792	2.00E-06	-0.23301
0.012145	0.79351	0.072098	0.11973	0.070503	0.12816	0.124513	0.00706	-0.06282
-0.11381	0.01386	0.109255	0.01819	-0.33658	7.83E-14	-0.10762	0.02001	-0.28697
-0.06277	0.17566	0.052428	0.25817	-0.0535	0.24852	-0.05138	0.26778	-0.01939
0.035056	0.44979	0.142373	0.00204	0.06386	0.16829	-0.0078	0.86656	0.088381
-0.10424	0.02427	0.061496	0.18463	0.009225	0.8424	0.101184	0.02879	-0.02691
-0.0324	0.48487	0.119869	0.00952	-0.13011	0.00486	-0.04967	0.28405	-0.05237
-0.06182	0.1823	0.182674	7.17E-05	-0.09855	0.03325	-0.01405	0.76207	-0.10285
-0.07933	0.08681	0.086472	0.06188	-0.17219	0.00018	-0.06839	0.14005	-0.14528
-0.08686	0.06072	0.082334	0.07548	0.007265	0.87557	0.050019	0.28072	-0.05809
-0.03214	0.48844	0.115006	0.01289	-0.03682	0.42733	0.018149	0.69566	-0.05592
0.082109	0.07629	0.208066	5.79E-06	0.121671	0.00849	0.068484	0.13948	0.100801
0.121234	0.00873	0.269098	3.44E-09	0.107726	0.01988	0.082097	0.07633	0.109703
-0.21029	4.57E-06	-0.13356	0.00383	-0.2752	1.46E-09	-0.22854	5.98E-07	-0.31421
-0.05618	0.22558	-0.03477	0.45343	0.032381	0.48513	0.028255	0.54248	-0.01957
-0.26497	6.07E-09	-0.22118	1.39E-06	-0.13182	0.00432	-0.04596	0.32166	-0.19554
-0.08762	0.05848	-0.1128	0.01473	0.025901	0.57662	0.034469	0.45742	-0.04023
-0.13751	0.0029	-0.02644	0.56877	-0.12596	0.00642	-0.12505	0.00682	-0.16512
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0.024569	0.59639	0.113334	0.01427	0.051999	0.2621	-0.01302	0.77903	0.091289
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-0.09419	0.04191	0.018472	0.69053	-0.12613	0.00635	-0.11588	0.01221	-0.11831
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0.064794	0.16213	0.335426	9.62E-14	0.040519	0.38232	0.150405	0.00111	0.009647
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-0.22833	6.13E-07	-0.21001	4.71E-06	-0.36237	6.15E-16	-0.25634	1.92E-08	-0.41641
0.088419	0.05621	0.400505	2.03E-19	-0.0701	0.13037	0.128161	0.00554	-0.05504

0.035419	0.44511	0.400108	2.22E-19	-0.18712	4.73E-05	0.028803	0.53466	-0.12934
-0.09101	0.04934	-0.0843	0.06876	-0.04681	0.31274	-0.15382	0.00085	-0.08579
-0.09624	0.03762	0.001133	0.98051	-0.17208	0.00019	-0.13278	0.00405	-0.13713
-0.06067	0.1906	-0.29338	1.01E-10	-0.13636	0.00315	-0.136	0.00323	-0.21443
0.028553	0.53822	0.14059	0.00233	0.050489	0.27623	-0.00959	0.83625	0.112647
-0.20982	4.81E-06	-0.06053	0.19166	-0.24535	7.86E-08	-0.10681	0.02096	-0.27065
-0.19444	2.33E-05	-0.25296	2.99E-08	-0.06679	0.14955	-0.13926	0.00256	-0.0868
0.026843	0.56284	0.034353	0.45893	-0.11395	0.01375	-0.11405	0.01366	-0.06411
-0.05603	0.22684	-0.10583	0.02218	-0.18087	8.47E-05	-0.27865	8.94E-10	-0.11652
-0.00939	0.83954	0.085923	0.06356	-0.21228	3.69E-06	-0.18857	4.12E-05	-0.10039
-0.1488	0.00126	-0.05348	0.24872	-0.22084	1.44E-06	-0.18431	6.16E-05	-0.17757
0.021126	0.64885	-0.06447	0.16423	-0.13513	0.00344	-0.25699	1.76E-08	-0.03757
-0.37665	3.45E-17	-0.4178	3.74E-21	-0.36196	6.67E-16	-0.36525	3.48E-16	-0.31845
-0.09881	0.03277	-0.08437	0.06853	-0.06443	0.16451	-0.09526	0.03962	-0.08685
0.013864	0.76508	0.073312	0.11361	-0.00209	0.96402	0.089928	0.05213	-0.13082
-0.10496	0.0233	-0.02689	0.56208	-0.25137	3.67E-08	-0.16233	0.00043	-0.27229
-0.11486	0.013	-0.02839	0.54058	-0.12902	0.00523	-0.0468	0.31288	-0.17633
0.038581	0.40551	0.037024	0.42475	0.035299	0.44665	9.97E-05	0.99829	-0.01098
0.049752	0.2833	0.062588	0.17694	-0.05407	0.2435	-0.14286	0.00197	-0.04348
-0.05028	0.27818	0.03286	0.4787	-0.12359	0.0075	-0.18986	3.63E-05	-0.05578
-0.06839	0.14006	0.000589	0.98987	-0.03054	0.51024	-0.06222	0.17951	-0.04157
-0.10899	0.01847	-0.10284	0.02626	-0.13765	0.00288	-0.19283	2.72E-05	-0.14173
-0.06816	0.14134	-0.09979	0.03108	-0.03935	0.39623	-0.13544	0.00336	-0.06987
-0.10463	0.02374	-0.0743	0.10882	-0.03705	0.42443	-0.06771	0.14404	-0.07007
0.00186	0.96802	0.01753	0.70554	0.016827	0.71683	-0.07785	0.09289	-0.02273
-0.06731	0.14639	0.011787	0.79947	-0.08859	0.05573	-0.04986	0.28222	-0.09089
-0.06953	0.13353	-0.01749	0.70619	-0.06334	0.17175	-0.09733	0.0355	-0.1016
-0.0104	0.82262	-0.09244	0.04586	-0.03707	0.42413	-0.03891	0.40155	0.032833
-0.0891	0.05433	-0.00558	0.90422	-0.10275	0.0264	-0.1108	0.01661	-0.13487
-0.08569	0.06429	-0.09833	0.03364	-0.20882	5.34E-06	-0.30947	8.01E-12	-0.15718
-0.19692	1.82E-05	-0.06833	0.14035	-0.18792	4.38E-05	-0.18203	7.62E-05	-0.18692
-0.03894	0.4011	0.016617	0.72022	-0.02066	0.65611	-0.08456	0.06789	-0.05297
-0.07683	0.09726	-0.10963	0.01779	-0.09358	0.04324	-0.1726	0.00018	-0.08604
-0.05327	0.25061	0.012871	0.78147	-0.0315	0.49714	-0.05383	0.24567	-0.05095
0.062979	0.17425	0.112948	0.0146	-0.06131	0.18595	-0.00816	0.86037	-0.0027
0.00684	0.8828	0.019077	0.68093	-0.1999	1.35E-05	-0.18378	6.47E-05	-0.17657
-0.11646	0.01178	-0.24221	1.16E-07	-0.23869	1.79E-07	-0.32432	6.73E-13	-0.15705
-0.1083	0.01924	-0.08239	0.0753	-0.1501	0.00114	-0.2457	7.53E-08	-0.0896
-0.2254	8.59E-07	-0.18264	7.19E-05	-0.28867	2.05E-10	-0.25878	1.39E-08	-0.30858
-0.01218	0.79298	0.028686	0.53633	-0.07321	0.1141	-0.04217	0.36324	-0.04167
-0.02244	0.62854	-0.0338	0.46617	-0.17677	0.00012	-0.06903	0.13633	-0.3159
-0.38444	6.75E-18	-0.42202	1.36E-21	-0.41782	3.71E-21	-0.40635	5.40E-20	-0.3894
-0.00722	0.87639	0.226485	7.59E-07	-0.21839	1.89E-06	-0.00718	0.87708	-0.192
-0.18879	4.03E-05	-0.15073	0.00109	-0.19122	3.19E-05	-0.11823	0.01056	-0.23826
-0.06798	0.14241	0.003182	0.94532	-0.06886	0.13734	-0.06398	0.16746	-0.04254

-0.166	0.00031	-0.22305	1.12E-06	-0.35404	3.09E-15	-0.26097	1.04E-08	-0.314
-0.08964	0.05288	-0.04967	0.2841	-0.10127	0.02866	-0.12823	0.00552	-0.09131
-0.07925	0.08714	0.011373	0.80637	-0.12709	0.00596	-0.12793	0.00563	-0.10132
-0.02205	0.63466	0.043884	0.34402	-0.06391	0.16798	-0.11322	0.01437	-0.04789
-0.15082	0.00108	-0.07491	0.10593	-0.17574	0.00013	-0.1678	0.00027	-0.11593
-0.13409	0.0037	-0.08071	0.08145	-0.14189	0.00212	-0.12092	0.0089	-0.07482
-0.2278	6.52E-07	-0.06093	0.18868	-0.30132	2.94E-11	-0.16923	0.00024	-0.2838
-0.27283	2.04E-09	-0.16415	0.00037	-0.3462	1.35E-14	-0.14042	0.00235	-0.36335
-0.253	2.97E-08	-0.12434	0.00714	-0.16757	0.00028	-0.09041	0.05088	-0.18207
-0.18951	3.76E-05	-0.07192	0.12066	-0.38136	1.29E-17	-0.24899	4.97E-08	-0.34925
-0.13974	0.00247	-0.40211	1.41E-19	-0.32441	6.62E-13	-0.29966	3.82E-11	-0.36099
-0.09819	0.0339	0.034908	0.4517	-0.19617	1.96E-05	-0.09981	0.03104	-0.21423
-0.19241	2.84E-05	-0.19328	2.61E-05	-0.17947	9.63E-05	-0.1556	0.00074	-0.13674
-0.27401	1.73E-09	-0.16514	0.00034	-0.26504	6.01E-09	-0.23703	2.19E-07	-0.27043
-0.08916	0.05416	-0.0844	0.0684	-0.27328	1.92E-09	-0.2654	5.72E-09	-0.28217
-0.22993	5.09E-07	-0.08954	0.05316	-0.33339	1.38E-13	-0.24512	8.10E-08	-0.33894
0.043624	0.34688	0.139353	0.00254	0.019431	0.67534	0.047441	0.30629	-0.00476
-0.14874	0.00127	-0.00473	0.91889	-0.17754	0.00011	-0.17719	0.00012	-0.08041
-0.42208	1.34E-21	-0.18776	4.45E-05	-0.43716	3.22E-23	-0.20472	8.22E-06	-0.44484
-0.04419	0.34063	0.042631	0.35798	-0.13142	0.00444	-0.12884	0.0053	-0.06735
-0.2319	4.04E-07	-0.14405	0.0018	-0.24943	4.70E-08	-0.09782	0.03458	-0.24214
-0.05039	0.27718	-0.00902	0.84587	-0.31073	6.53E-12	-0.21758	2.07E-06	-0.28789
-0.11401	0.01369	-0.01567	0.73563	-0.10692	0.02084	-0.02773	0.54994	-0.06236
-0.02801	0.54604	-0.05121	0.26937	-0.18329	6.77E-05	-0.17806	0.00011	-0.11493
0.457785	1.44E-25	0.633684	8.37E-54	0.748539	5.30E-85	0.797542	#####	0.617861
0.401163	1.75E-19	0.764914	7.20E-91	0.556099	2.91E-39	0.768823	2.43E-92	0.471009
0.386445	4.41E-18	0.407343	4.30E-20	0.657087	4.76E-59	0.707997	2.97E-72	0.465002
0.32408	7.01E-13	0.530832	2.63E-35	0.392096	1.30E-18	0.592381	1.42E-45	0.242145
0.402952	1.17E-19	0.611718	2.83E-49	0.768089	4.61E-92	0.787826	#####	0.638879
0.349216	7.70E-15	0.545517	1.45E-37	0.534504	7.34E-36	0.684119	1.01E-65	0.394892
0.242442	1.13E-07	0.470094	4.75E-27	0.364279	4.22E-16	0.601591	2.64E-47	0.249565
0.404247	8.71E-20	0.641248	1.89E-55	0.735989	8.36E-81	0.851174	#####	0.529268
0.359816	1.01E-15	0.507122	6.94E-32	0.638531	7.48E-55	0.7374	2.90E-81	0.439522
0.427817	3.32E-22	0.586882	1.45E-44	0.636067	2.57E-54	0.708453	2.20E-72	0.56546
0.409841	2.42E-20	0.55611	2.90E-39	0.672121	1.13E-62	0.809078	#####	0.461961
0.421609	1.50E-21	0.626463	2.83E-52	0.771556	2.18E-93	0.821309	#####	0.5904
0.411759	1.55E-20	0.590589	3.05E-45	0.531276	2.26E-35	0.726758	7.24E-78	0.399702
0.38226	1.07E-17	0.477531	5.65E-28	0.355047	2.55E-15	0.546081	1.18E-37	0.296341
0.155862	0.00073	0.344339	1.91E-14	0.285315	3.38E-10	0.479684	3.02E-28	0.216463
0.452508	5.95E-25	0.571169	8.66E-42	0.578142	5.30E-43	0.731148	3.00E-79	0.438604
0.313034	4.48E-12	0.578494	4.59E-43	0.404674	7.91E-20	0.657635	3.54E-59	0.20354
0.42504	6.55E-22	0.649683	2.44E-57	0.505352	1.22E-31	0.676146	1.11E-63	0.517769
0.519861	1.09E-33	0.600297	4.66E-47	0.75814	2.19E-88	0.771024	3.50E-93	0.591843
0.36943	1.51E-16	0.578015	5.58E-43	0.583489	5.94E-44	0.657983	2.93E-59	0.509955
0.199853	1.35E-05	0.470182	4.63E-27	0.393094	1.05E-18	0.669123	6.20E-62	0.264361

0.178516	0.00011	0.355518	2.33E-15	0.569015	2.03E-41	0.628581	1.02E-52	0.382025
0.512272	1.32E-32	0.63951	4.56E-55	0.725855	1.38E-77	0.756299	1.00E-87	0.570045
0.422791	1.13E-21	0.562688	2.37E-40	0.677639	4.66E-64	0.754859	3.27E-87	0.47911
0.331315	1.99E-13	0.505972	1.00E-31	0.623357	1.25E-51	0.718823	1.95E-75	0.408611
0.378984	2.13E-17	0.486683	3.83E-29	0.651418	9.78E-58	0.734563	2.42E-80	0.444423
0.440441	1.40E-23	0.663617	1.34E-60	0.708402	2.27E-72	0.766844	1.36E-91	0.588817
0.431477	1.34E-22	0.70649	8.02E-72	0.625549	4.39E-52	0.85072	#####	0.456178
0.25451	2.44E-08	0.488765	2.05E-29	0.5653	8.65E-41	0.684885	6.35E-66	0.440934
0.281039	6.33E-10	0.595111	4.43E-46	0.381932	1.15E-17	0.655453	1.14E-58	0.332958
0.49437	3.75E-30	0.519896	1.08E-33	0.726139	1.13E-77	0.782907	6.78E-98	0.55185
0.358756	1.25E-15	0.512798	1.11E-32	0.729425	1.05E-78	0.827763	#####	0.538097
0.178193	0.00011	0.371075	1.08E-16	0.348118	9.46E-15	0.501069	4.71E-31	0.251947
0.313929	3.86E-12	0.505829	1.05E-31	0.515531	4.56E-33	0.680125	1.08E-64	0.418675
0.393254	1.01E-18	0.534486	7.39E-36	0.657795	3.24E-59	0.706091	1.04E-71	0.54445
0.364984	3.67E-16	0.552443	1.14E-38	0.377509	2.89E-17	0.575335	1.64E-42	0.237659
0.2558	2.06E-08	0.460233	7.37E-26	0.486987	3.50E-29	0.63319	1.07E-53	0.341109
0.239829	1.56E-07	0.517377	2.48E-33	0.424146	8.13E-22	0.610926	4.05E-49	0.240291
0.404405	8.41E-20	0.517716	2.22E-33	0.678522	2.78E-64	0.717602	4.53E-75	0.585418
0.369706	1.43E-16	0.68653	2.35E-66	0.441075	1.19E-23	0.650348	1.72E-57	0.317992
0.330718	2.22E-13	0.5087	4.19E-32	0.473665	1.72E-27	0.606513	2.97E-48	0.411962
0.373139	7.10E-17	0.593641	8.32E-46	0.701277	2.38E-70	0.747378	1.33E-84	0.5671
0.362207	6.35E-16	0.597966	1.29E-46	0.61658	3.02E-50	0.672003	1.21E-62	0.57678
0.436004	4.31E-23	0.527422	8.49E-35	0.673628	4.76E-63	0.74848	5.56E-85	0.558484
0.326377	4.72E-13	0.559507	8.01E-40	0.553014	9.22E-39	0.710585	5.31E-73	0.616058
0.400384	2.08E-19	0.556649	2.36E-39	0.663644	1.33E-60	0.737274	3.19E-81	0.485495
0.344564	1.83E-14	0.499372	8.00E-31	0.598287	1.12E-46	0.649018	3.45E-57	0.420062
0.401798	1.52E-19	0.530507	2.94E-35	0.475062	1.15E-27	0.61346	1.27E-49	0.301105
0.249929	4.41E-08	0.491088	1.02E-29	0.490446	1.24E-29	0.701003	2.84E-70	0.306724
0.49579	2.42E-30	0.670185	3.40E-62	0.752321	2.57E-86	0.788303	#####	0.603569
0.309312	8.22E-12	0.589932	4.03E-45	0.428161	3.05E-22	0.648323	4.96E-57	0.339231
0.322419	9.30E-13	0.476748	7.09E-28	0.403629	1.00E-19	0.519459	1.24E-33	0.200631
0.302922	2.29E-11	0.487389	3.10E-29	0.361743	6.95E-16	0.603812	9.90E-48	0.292016
0.418678	3.03E-21	0.544322	2.24E-37	0.715689	1.68E-74	0.784478	1.53E-98	0.559529
0.458522	1.18E-25	0.699322	8.32E-70	0.689581	3.67E-67	0.77992	1.11E-96	0.532716
0.457498	1.55E-25	0.734961	1.80E-80	0.564298	1.27E-40	0.737947	1.92E-81	0.494274
0.392323	1.24E-18	0.514204	7.04E-33	0.701859	1.64E-70	0.7539	7.15E-87	0.529618
0.469018	6.43E-27	0.713881	5.77E-74	0.71083	4.51E-73	0.849614	#####	0.558857
0.096111	0.03787	0.409771	2.46E-20	0.294943	7.93E-11	0.507207	6.76E-32	0.219722
0.466254	1.40E-26	0.5556	3.51E-39	0.617752	1.75E-50	0.705191	1.88E-71	0.481221
0.377883	2.68E-17	0.506445	8.62E-32	0.585597	2.48E-44	0.620896	4.01E-51	0.459331
0.440154	1.50E-23	0.638941	6.08E-55	0.668362	9.52E-62	0.751998	3.34E-86	0.560421
0.375399	4.47E-17	0.592221	1.53E-45	0.479818	2.91E-28	0.62724	1.95E-52	0.300947
0.288917	1.98E-10	0.571716	6.97E-42	0.419841	2.30E-21	0.692145	7.57E-68	0.24602
0.295213	7.61E-11	0.519673	1.16E-33	0.500776	5.16E-31	0.590294	3.46E-45	0.422895
0.481174	1.96E-28	0.554251	5.81E-39	0.760371	3.41E-89	0.796703	#####	0.555786

0.42672	4.34E-22	0.58882	6.43E-45	0.782153	1.38E-97	0.796756	#####	0.656659
0.382381	1.04E-17	0.540811	7.90E-37	0.754628	3.95E-87	0.773586	3.57E-94	0.548229
0.415714	6.12E-21	0.546245	1.11E-37	0.727866	3.26E-78	0.776294	3.09E-95	0.594514
0.452763	5.55E-25	0.619799	6.71E-51	0.664506	8.22E-61	0.820223	#####	0.433963
0.318731	1.74E-12	0.621524	2.98E-51	0.334092	1.22E-13	0.632808	1.29E-53	0.174465
0.463604	2.92E-26	0.549861	2.96E-38	0.588095	8.73E-45	0.642256	1.13E-55	0.343581
0.282195	5.35E-10	0.5789	3.90E-43	0.52336	3.37E-34	0.70461	2.75E-71	0.386068
0.448263	1.83E-24	0.529188	4.64E-35	0.666075	3.43E-61	0.799995	#####	0.484008
0.186129	5.19E-05	0.300075	3.58E-11	0.313647	4.05E-12	0.510486	2.36E-32	0.182826
0.396642	4.79E-19	0.702044	1.45E-70	0.566482	5.46E-41	0.805691	#####	0.502579
0.328545	3.24E-13	0.491044	1.03E-29	0.341708	3.09E-14	0.553049	9.10E-39	0.129847
0.328093	3.50E-13	0.504152	1.79E-31	0.414775	7.64E-21	0.541131	7.04E-37	0.241334
0.416455	5.14E-21	0.583056	7.10E-44	0.674194	3.43E-63	0.756923	6.01E-88	0.544927
0.312838	4.62E-12	0.678579	2.69E-64	0.536945	3.11E-36	0.684119	1.01E-65	0.433711
0.461079	5.85E-26	0.540524	8.75E-37	0.729091	1.34E-78	0.76035	3.47E-89	0.566172
0.383948	7.50E-18	0.737215	3.33E-81	0.59804	1.25E-46	0.766149	2.49E-91	0.472863
0.214487	2.91E-06	0.500268	6.05E-31	0.44155	1.05E-23	0.694599	1.64E-68	0.217117
0.427861	3.28E-22	0.608205	1.39E-48	0.590659	2.96E-45	0.674596	2.72E-63	0.473479
0.483796	9.03E-29	0.737646	2.41E-81	0.70462	2.73E-71	0.813692	#####	0.512513
0.452212	6.43E-25	0.658574	2.13E-59	0.696023	6.73E-69	0.855305	#####	0.568031
0.385211	5.73E-18	0.63219	1.75E-53	0.547646	6.68E-38	0.692683	5.42E-68	0.365258
0.431671	1.28E-22	0.649353	2.90E-57	0.809435	#####	0.856693	#####	0.724283
0.257929	1.56E-08	0.514441	6.52E-33	0.29155	1.33E-10	0.534354	7.74E-36	0.195195
0.285044	3.52E-10	0.457525	1.54E-25	0.431649	1.29E-22	0.601452	2.81E-47	0.324604
0.266349	5.02E-09	0.353365	3.51E-15	0.196897	1.82E-05	0.499532	7.61E-31	0.015533
0.502406	3.10E-31	0.623988	9.25E-52	0.743207	3.45E-83	0.75124	6.14E-86	0.600104
0.511406	1.75E-32	0.679038	2.05E-64	0.766254	2.27E-91	0.767632	6.87E-92	0.637408
0.342081	2.89E-14	0.53882	1.60E-36	0.661943	3.38E-60	0.710965	4.12E-73	0.482067
0.374499	5.38E-17	0.597321	1.71E-46	0.626139	3.30E-52	0.677785	4.27E-64	0.525554
0.512896	1.08E-32	0.595073	4.50E-46	0.786478	2.27E-99	0.784063	2.27E-98	0.69108
0.367413	2.26E-16	0.573187	3.89E-42	0.620473	4.89E-51	0.719701	1.06E-75	0.457783
0.401657	1.57E-19	0.602082	2.13E-47	0.669201	5.93E-62	0.729148	1.29E-78	0.568467
0.379382	1.96E-17	0.547114	8.11E-38	0.467681	9.37E-27	0.586022	2.08E-44	0.312169
0.409604	2.55E-20	0.461497	5.21E-26	0.695547	9.07E-69	0.697546	2.57E-69	0.635152
0.450229	1.09E-24	0.544579	2.04E-37	0.778693	3.44E-96	0.804669	#####	0.5733
0.325751	5.26E-13	0.386214	4.63E-18	0.328777	3.11E-13	0.51673	3.07E-33	0.173986
0.440098	1.52E-23	0.638975	5.98E-55	0.695145	1.17E-68	0.826476	#####	0.494421
0.449528	1.31E-24	0.42268	1.16E-21	0.670336	3.12E-62	0.71627	1.13E-74	0.446037
0.145056	0.00167	0.309948	7.41E-12	0.205546	7.54E-06	0.475092	1.14E-27	-0.00462
0.365915	3.05E-16	0.633674	8.41E-54	0.487164	3.32E-29	0.668824	7.34E-62	0.365431
0.283895	4.17E-10	0.645022	2.75E-56	0.532296	1.58E-35	0.815548	#####	0.385653
0.463582	2.93E-26	0.692442	6.30E-68	0.747757	9.85E-85	0.80383	#####	0.608296
0.377678	2.79E-17	0.541401	6.39E-37	0.734592	2.37E-80	0.766855	1.35E-91	0.579546
0.402138	1.40E-19	0.672668	8.26E-63	0.732261	1.33E-79	0.80516	#####	0.630088
0.30183	2.72E-11	0.489993	1.42E-29	0.406231	5.55E-20	0.55225	1.22E-38	0.226001

0.454146	3.84E-25	0.646718	1.14E-56	0.784241	1.92E-98	0.812731	#####	0.59864
0.28686	2.69E-10	0.586014	2.08E-44	0.514282	6.86E-33	0.691029	1.51E-67	0.393263
0.251688	3.52E-08	0.476357	7.94E-28	0.567254	4.04E-41	0.699011	1.01E-69	0.481534
0.387827	3.28E-18	0.616389	3.30E-50	0.617694	1.80E-50	0.710538	5.48E-73	0.458734
0.50314	2.46E-31	0.591621	1.97E-45	0.682391	2.82E-65	0.777915	7.02E-96	0.51952
0.330587	2.27E-13	0.611715	2.83E-49	0.445985	3.33E-24	0.622978	1.50E-51	0.298101
0.328514	3.26E-13	0.497911	1.26E-30	0.492294	7.06E-30	0.592614	1.29E-45	0.412735
0.550526	2.32E-38	0.698465	1.44E-69	0.762236	7.06E-90	0.789169	#####	0.60659
0.346194	1.35E-14	0.616099	3.77E-50	0.496471	1.97E-30	0.668906	7.01E-62	0.389926
0.074613	0.10733	0.359018	1.18E-15	0.195038	2.19E-05	0.466245	1.40E-26	0.118785
0.203203	9.61E-06	0.426404	4.69E-22	0.236107	2.45E-07	0.485425	5.57E-29	0.103283
0.304973	1.65E-11	0.482736	1.24E-28	0.643019	7.68E-56	0.73167	2.05E-79	0.466462
0.359023	1.18E-15	0.703282	6.52E-71	0.454289	3.69E-25	0.779692	1.36E-96	0.364978
0.259161	1.32E-08	0.52058	8.56E-34	0.399309	2.65E-19	0.573331	3.67E-42	0.319523
0.370089	1.32E-16	0.603329	1.23E-47	0.534234	8.07E-36	0.676054	1.17E-63	0.326498
0.440744	1.29E-23	0.401714	1.55E-19	0.566351	5.74E-41	0.57994	2.55E-43	0.461903
0.417594	3.92E-21	0.716298	1.11E-74	0.683769	1.24E-65	0.789354	#####	0.559204
0.313828	3.93E-12	0.538737	1.65E-36	0.405992	5.86E-20	0.716415	1.02E-74	0.283716
0.355003	2.57E-15	0.475321	1.07E-27	0.532078	1.71E-35	0.651853	7.77E-58	0.468082
0.466013	1.49E-26	0.606479	3.02E-48	0.651657	8.62E-58	0.692691	5.40E-68	0.580652
0.475873	9.13E-28	0.557542	1.69E-39	0.738893	9.38E-82	0.677201	6.01E-64	0.638883
0.33188	1.81E-13	0.566091	6.36E-41	0.491837	8.11E-30	0.678487	2.84E-64	0.318223
0.555816	3.23E-39	0.534935	6.31E-36	0.751742	4.10E-86	0.729582	9.41E-79	0.606001
0.365415	3.37E-16	0.660892	6.02E-60	0.684046	1.05E-65	0.834155	#####	0.580055
0.453405	4.68E-25	0.557981	1.43E-39	0.82853	#####	0.84193	#####	0.58894
0.392694	1.14E-18	0.497918	1.26E-30	0.695904	7.25E-69	0.776477	2.61E-95	0.520775
0.398088	3.48E-19	0.569343	1.78E-41	0.690025	2.80E-67	0.71169	2.53E-73	0.576111
0.299014	4.23E-11	0.439134	1.95E-23	0.599743	5.94E-47	0.659867	1.05E-59	0.444447
0.347988	9.69E-15	0.55242	1.15E-38	0.734825	1.99E-80	0.750433	1.17E-85	0.606481
0.443597	6.19E-24	0.628477	1.07E-52	0.60035	4.55E-47	0.730823	3.81E-79	0.512947
0.27222	2.23E-09	0.493328	5.15E-30	0.386578	4.28E-18	0.610692	4.51E-49	0.213023
0.432891	9.43E-23	0.631135	2.93E-53	0.626654	2.58E-52	0.826389	#####	0.408651
0.424215	8.00E-22	0.565748	7.26E-41	0.652799	4.71E-58	0.731188	2.92E-79	0.528591
0.384863	6.17E-18	0.63342	9.54E-54	0.653585	3.10E-58	0.801893	#####	0.502905
0.520656	8.35E-34	0.762724	4.67E-90	0.575932	1.29E-42	0.754555	4.20E-87	0.44141
0.431375	1.38E-22	0.51244	1.25E-32	0.744451	1.31E-83	0.715672	1.70E-74	0.571538
0.301819	2.72E-11	0.583446	6.05E-44	0.509405	3.34E-32	0.669927	3.93E-62	0.460149
-0.02092	0.65204	-0.04539	0.32769	0.021864	0.63744	-0.01759	0.70453	0.057639
0.002063	0.96453	-0.09271	0.04524	0.003437	0.94095	-0.04309	0.35278	-0.04003
-0.01784	0.70055	0.007078	0.87875	0.047421	0.3065	0.034577	0.456	0.014765
0.145407	0.00163	-0.04009	0.38741	0.05763	0.21384	-0.05088	0.27254	0.040922
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0.073929	0.1106	0.024331	0.59995	0.051292	0.26864	0.017704	0.70277	0.066206
0.0221	0.63382	-0.04301	0.35371	0.006696	0.88526	-0.01048	0.82132	-0.0357

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0.008781	0.8499	0.040725	0.3799	0.052626	0.25638	0.028742	0.53553	0.055508
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0.023206	0.61693	-0.02819	0.54342	0.028604	0.53749	0.01454	0.75399	-0.01521
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0.001838	0.96839	-0.02659	0.56657	0.027048	0.55986	0.011418	0.80561	-0.00633
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-0.01224	0.79192	-0.02834	0.54122	0.018281	0.69356	-0.00501	0.91407	-0.00842
0.02857	0.53797	-0.02201	0.63519	0.035887	0.43911	0.01131	0.80741	-0.00904
-0.00024	0.9958	-0.02014	0.66428	0.009886	0.83127	-0.00209	0.96415	-0.01249
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0.043144	0.35223	-0.03818	0.41038	0.012748	0.7835	-0.00885	0.84877	-0.05731
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0.112949	0.0146	0.055828	0.22853	0.111291	0.01613	0.096946	0.03623	0.074699
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0.025809	0.57798	-0.02976	0.52118	0.02582	0.57781	0.006432	0.88975	-0.02385
0.007141	0.87768	-0.05698	0.21906	0.006452	0.8894	-0.02045	0.65934	-0.02939
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0.035876	0.43925	0.044661	0.33554	0.048438	0.29623	0.053519	0.24839	0.070165
-0.01881	0.68509	-0.01703	0.71363	0.023608	0.61084	0.001915	0.96708	-0.00416
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-0.0431	0.35272	-0.05905	0.20274	-0.0697	0.13257	-0.06061	0.19108	-0.06559
-0.03668	0.42912	-0.09122	0.04884	-0.0199	0.66801	-0.06299	0.17417	-0.03587
-0.07706	0.09624	-0.11031	0.01709	-0.09525	0.03964	-0.09427	0.04172	-0.0397
-0.07095	0.12573	-0.02446	0.59797	-0.02223	0.6318	-0.05388	0.24524	0.050113
-0.07769	0.09355	-0.09252	0.04568	-0.07199	0.1203	-0.09578	0.03855	-0.0757
-0.03385	0.4655	-0.04657	0.31523	-0.04855	0.29514	-0.04679	0.31293	-0.02183
-0.1479	0.00135	-0.16748	0.00028	-0.35161	4.90E-15	-0.32999	2.52E-13	-0.35125
-0.29333	1.02E-10	-0.37091	1.12E-16	-0.4977	1.34E-30	-0.41264	1.26E-20	-0.49888
-0.03018	0.51534	-0.03737	0.42036	-0.28257	5.06E-10	-0.15585	0.00073	-0.32519
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-0.09191	0.04713	-0.14559	0.00161	-0.31622	2.64E-12	-0.19514	2.17E-05	-0.27894
-0.10396	0.02467	-0.37793	2.65E-17	-0.34283	2.52E-14	-0.43869	2.18E-23	-0.36962
-0.17096	0.00021	-0.39629	5.18E-19	-0.35694	1.77E-15	-0.506	9.94E-32	-0.31329
-0.11225	0.01523	-0.08488	0.06685	-0.30996	7.39E-12	-0.25093	3.88E-08	-0.3821
-0.01856	0.68908	0.117905	0.01077	-0.31424	3.67E-12	-0.03217	0.48798	-0.37364
-0.10646	0.02139	-0.27718	1.10E-09	-0.32511	5.87E-13	-0.28908	1.93E-10	-0.38196
-0.00567	0.90273	-0.32617	4.89E-13	0.032624	0.48186	-0.22977	5.18E-07	-0.12683
-0.19323	2.62E-05	-0.42692	4.14E-22	-0.35509	2.53E-15	-0.42652	4.57E-22	-0.39168
-0.04572	0.32419	0.170735	0.00021	-0.35598	2.13E-15	-0.12962	0.00503	-0.30633
-0.29542	7.37E-11	-0.15691	0.00067	-0.66883	7.31E-62	-0.4067	4.99E-20	-0.59559
0.002191	0.96233	-0.01629	0.72557	-0.14604	0.00155	-0.10176	0.02789	-0.24506
-0.10984	0.01758	0.017419	0.70733	-0.34008	4.16E-14	-0.16247	0.00042	-0.32182
-0.18038	8.87E-05	-0.33681	7.50E-14	-0.31658	2.49E-12	-0.33373	1.30E-13	-0.35715
-0.03991	0.38955	0.016022	0.72985	-0.30775	1.06E-11	-0.07715	0.09587	-0.38072
-0.1131	0.01447	-0.05403	0.24392	-0.5298	3.76E-35	-0.33639	8.09E-14	-0.50556
-0.15101	0.00106	0.032414	0.4847	-0.26574	5.46E-09	-0.06419	0.16611	-0.3123
-0.09704	0.03604	0.083095	0.07282	-0.46569	1.63E-26	-0.13389	0.00375	-0.4575
0.064681	0.16287	0.108928	0.01854	-0.1582	0.0006	-0.03957	0.39356	-0.24643
0.045571	0.32577	0.028176	0.5436	-0.14554	0.00161	-0.11105	0.01636	-0.23137
-0.13751	0.0029	-0.12484	0.00691	-0.25154	3.59E-08	-0.16792	0.00027	-0.3038
-0.19056	3.40E-05	-0.04483	0.33372	-0.4869	3.59E-29	-0.18433	6.15E-05	-0.48242
0.039878	0.3899	0.132347	0.00417	-0.26662	4.84E-09	-0.16947	0.00023	-0.20819

-0.12363	0.00748	0.107637	0.01999	-0.30041	3.40E-11	-0.20316	9.65E-06	-0.26272
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0.018937	0.68315	-0.07294	0.11548	-0.2328	3.63E-07	-0.16445	0.00036	-0.30763
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0.065382	0.15835	-0.08428	0.06881	-0.03633	0.43342	-0.12995	0.00491	-0.11736
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-0.00429	0.92626	0.09901	0.03242	-0.23306	3.52E-07	-0.12611	0.00635	-0.26593
-0.01113	0.8105	0.008759	0.85026	-0.13823	0.00276	-0.08774	0.05814	-0.25959
-0.24548	7.74E-08	-0.25079	3.95E-08	-0.35929	1.12E-15	-0.28209	5.43E-10	-0.39406
0.206592	6.76E-06	0.286991	2.64E-10	0.1162	0.01197	0.103969	0.02465	0.061861
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0.093518	0.04339	-0.00527	0.90963	-0.17943	9.67E-05	-0.10296	0.02608	-0.20327
0.008987	0.84642	-0.27876	8.80E-10	-0.03976	0.39132	-0.27733	1.08E-09	-0.10331
0.055796	0.2288	0.209969	4.73E-06	-0.04207	0.36431	-0.00196	0.96632	-0.0645
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0.225133	8.86E-07	0.330425	2.33E-13	0.090268	0.05124	0.149837	0.00116	-0.05832
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-0.05715	0.21768	-0.2399	1.54E-07	-0.20032	1.29E-05	-0.3067	1.25E-11	-0.2793
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0.101714	0.02796	0.077902	0.09266	-0.09084	0.04977	-0.0605	0.19186	-0.18144
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0.069892	0.13151	0.024886	0.59166	-0.16808	0.00026	-0.03406	0.46283	-0.31544
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0.07566	0.10247	0.204292	8.59E-06	-0.05276	0.25516	0.145489	0.00162	-0.11796
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0.025367	0.58451	-0.0501	0.27997	-0.09459	0.04104	-0.15501	0.00078	-0.06083

0.0246	0.59592	0.024196	0.60198	0.109528	0.0179	0.104149	0.0244	0.102598
0.031451	0.49776	-0.06197	0.18125	-0.06046	0.19211	-0.05905	0.20273	-0.03553
0.065108	0.16011	-0.06988	0.13156	-0.08774	0.05814	-0.07692	0.09686	-0.11125
0.015098	0.74487	-0.01315	0.77685	-0.04013	0.38687	-0.04304	0.35334	-0.01268
-0.03854	0.40602	-0.08253	0.07478	-0.03667	0.42916	-0.04467	0.33542	0.038308
-0.06361	0.16995	-0.15	0.00115	-0.12841	0.00545	-0.12441	0.00711	-0.07908
-0.0292	0.52903	-0.08073	0.08139	0.109244	0.0182	-0.00385	0.93392	0.164918
-0.01095	0.8135	-0.10396	0.02466	-0.02549	0.58275	-0.06914	0.13571	0.072052
-0.21976	1.63E-06	-0.24668	6.66E-08	-0.27325	1.93E-09	-0.26367	7.24E-09	-0.23634
0.003258	0.94402	0.022637	0.62559	-0.05838	0.20789	-0.0521	0.26115	0.029947
-0.01397	0.76334	-0.01768	0.70311	-0.03285	0.47879	-0.06151	0.1845	-0.01229
-0.02712	0.55882	-0.0545	0.23985	-0.10028	0.03026	-0.05134	0.26817	-0.08021
0.044499	0.33729	0.027102	0.55908	-0.01567	0.73554	-0.03056	0.51009	0.041932
0.033546	0.46956	0.006364	0.8909	-0.06481	0.16204	-0.06883	0.13747	-0.00877
-0.06038	0.19271	-0.11524	0.0127	-0.10956	0.01786	-0.09623	0.03763	-0.06846
-0.07287	0.11582	-0.14965	0.00118	-0.13558	0.00333	-0.14388	0.00183	-0.05615
-0.02506	0.58906	-0.06828	0.14067	0.002629	0.95481	-0.04443	0.33806	0.043264
-0.07336	0.11339	-0.04753	0.30542	0.056138	0.22595	0.07271	0.11661	0.05824
-0.03042	0.51192	-0.06351	0.17061	-0.06328	0.17221	-0.04599	0.32135	-0.01098
-0.09402	0.04226	-0.03606	0.43687	-0.07296	0.11536	-0.07759	0.09398	-0.01386
-0.04482	0.33379	-0.06137	0.18555	-0.05805	0.21052	-0.04473	0.33478	-0.02329
-0.0293	0.5277	-0.12468	0.00698	-0.07169	0.12185	-0.08116	0.07975	-0.02513
-0.06254	0.1773	-0.12915	0.00519	-0.05878	0.20481	-0.06062	0.19101	-0.03004
-0.02063	0.65656	-0.03975	0.39137	-0.0006	0.98964	-0.00595	0.89792	0.040359
-0.08166	0.07793	-0.14999	0.00115	-0.07193	0.1206	-0.11445	0.01333	-0.02213
-0.04263	0.35794	-0.12941	0.0051	-0.0443	0.33941	-0.03083	0.50634	0.007008
-0.02802	0.54584	-0.08706	0.06011	-0.02915	0.52974	-0.02874	0.5356	-0.01398
0.016432	0.72321	0.013256	0.7751	-0.0732	0.11417	-0.05903	0.20291	-0.01264
-0.12279	0.0079	-0.16027	0.00051	-0.19406	2.41E-05	-0.16163	0.00045	-0.15761
-0.0999	0.03089	-0.12239	0.0081	-0.10144	0.02839	-0.10836	0.01917	-0.08123
-0.20933	5.06E-06	-0.17748	0.00012	-0.1835	6.64E-05	-0.12733	0.00586	-0.09092
-0.04913	0.28942	-0.05504	0.23514	-0.00931	0.84093	-0.05312	0.25194	0.024842
-0.07164	0.12211	-0.14416	0.00179	-0.10201	0.0275	-0.13171	0.00436	-0.01802
0.007962	0.86374	-0.0131	0.77773	0.021982	0.63562	0.016573	0.72094	0.08663
-0.09666	0.03679	-0.16068	0.00049	-0.12506	0.00681	-0.12138	0.00865	-0.0536
-0.0807	0.08148	-0.06597	0.15462	0.001272	0.97814	-0.0541	0.24329	0.062243
0.024346	0.59973	-0.07435	0.10858	-0.0063	0.89202	-0.05973	0.19759	0.010649
0.001014	0.98257	-0.04522	0.3295	0.008299	0.85804	-0.02019	0.66345	0.042563
-0.0101	0.82764	-0.15483	0.00079	0.080042	0.08401	-0.03473	0.45408	0.070132
0.012358	0.78997	0.021086	0.64946	-0.07884	0.08877	-0.06468	0.16289	0.080113
-0.05854	0.20671	-0.08071	0.08145	-0.00937	0.84003	-0.04481	0.33389	0.036761
0.001515	0.97395	-0.03921	0.3979	-0.05014	0.27955	-0.03661	0.42999	-0.00874
0.065089	0.16023	0.011907	0.79746	-0.08982	0.0524	-0.07149	0.1229	-0.05371
0.053321	0.25014	-0.08554	0.06474	-0.00196	0.96623	-0.02171	0.63989	0.002743
0.054486	0.23993	-0.06088	0.1891	-0.08535	0.06535	-0.08092	0.08066	-0.05686

0.038738	0.4036	-0.02656	0.5669	-0.0158	0.73352	-0.03675	0.42818	0.046341
-0.07229	0.11877	-0.14621	0.00153	-0.13258	0.0041	-0.11858	0.01032	-0.06948
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0.017738	0.70222	-0.00245	0.95796	-0.01715	0.71161	-0.006	0.89716	0.00504
0.028803	0.53466	-0.01106	0.81165	-0.0001	0.99823	-0.0033	0.94322	0.069444
-0.1373	0.00295	-0.05322	0.25108	-0.29318	1.04E-10	-0.23266	3.69E-07	-0.17961
-0.07951	0.08609	-0.11128	0.01613	-0.14673	0.00147	-0.12309	0.00775	-0.08271
-0.06276	0.17576	-0.07926	0.0871	-0.09833	0.03364	-0.09934	0.03185	-0.001
-0.1058	0.02221	-0.17055	0.00021	-0.12941	0.0051	-0.15035	0.00112	-0.06303
-0.00371	0.93634	-0.0626	0.17686	0.02922	0.52877	0.025261	0.58609	0.099077
0.010845	0.81518	-0.01927	0.67788	-0.07765	0.0937	-0.0743	0.1088	-0.03682
-0.02713	0.55868	-0.10546	0.02265	0.032436	0.48439	-0.02512	0.58813	0.082274
-0.08553	0.06478	-0.13412	0.00369	-0.09761	0.03497	-0.10681	0.02096	-0.06177
-0.04275	0.35669	-0.12837	0.00547	-0.10698	0.02076	-0.10936	0.01807	-0.04195
-0.0955	0.03911	-0.21444	2.92E-06	-0.15828	0.0006	-0.18173	7.83E-05	-0.11892
0.028896	0.53335	-0.08892	0.05484	-0.05606	0.22662	-0.04385	0.34443	-0.06106
-0.10525	0.02292	-0.12029	0.00927	-0.16521	0.00034	-0.14651	0.0015	-0.10154
-0.05637	0.22407	-0.14164	0.00215	-0.09142	0.04834	-0.10823	0.01931	-0.04872
-0.09635	0.0374	-0.04006	0.38778	-0.16417	0.00037	-0.14286	0.00197	-0.1366
-0.00167	0.97128	-0.05827	0.20881	-0.07969	0.08537	-0.0787	0.08935	-0.0709
-0.01167	0.80142	-0.03982	0.39061	-0.03354	0.46963	-0.03277	0.47989	0.014317
0.038308	0.40885	-0.08954	0.05314	-0.08579	0.06398	-0.09401	0.0423	-0.07571
-0.08198	0.07677	-0.08914	0.05423	-0.21362	3.20E-06	-0.20204	1.08E-05	-0.1023
-0.07074	0.12688	-0.02287	0.62201	-0.05351	0.24847	-0.07382	0.11112	0.016069
-0.11882	0.01017	-0.15677	0.00067	-0.14593	0.00157	-0.11748	0.01106	-0.08847
-0.08535	0.06535	-0.05234	0.25896	-0.08414	0.06927	-0.05436	0.24101	-0.01527
-0.0745	0.10787	-0.13747	0.00291	-0.09297	0.04464	-0.12136	0.00865	-0.04208
-0.01025	0.82509	-0.11361	0.01403	-0.06955	0.13341	-0.10951	0.01792	-0.00678
0.021207	0.64759	0.017625	0.70402	0.027948	0.54687	-0.03572	0.44131	0.152248
0.007688	0.8684	0.058766	0.20493	-0.05038	0.27724	-0.05606	0.22656	0.03023
0.103233	0.02569	-0.04986	0.28224	0.006116	0.89514	-0.03792	0.41365	0.083177
0.053489	0.24865	-0.03498	0.45073	0.062727	0.17598	-0.04004	0.38798	0.130612
-0.01796	0.69867	-0.08529	0.06553	-0.05124	0.26909	-0.10061	0.02972	0.010822
-0.09743	0.03531	-0.16574	0.00032	-0.0554	0.23214	-0.10274	0.02641	0.002377
-0.06524	0.15926	-0.11556	0.01246	-0.11612	0.01203	-0.09169	0.04767	-0.06541
-0.07498	0.10559	-0.12957	0.00504	-0.11337	0.01424	-0.1079	0.01968	-0.05935
-0.05765	0.21369	-0.02336	0.61455	-0.12541	0.00666	-0.07868	0.08944	-0.0403
-0.08365	0.07092	-0.16585	0.00032	-0.17878	0.0001	-0.1778	0.00011	-0.10765
-0.01157	0.80315	-0.04772	0.3035	-0.1674	0.00028	-0.17902	0.0001	-0.02492
-0.02366	0.61006	-0.035	0.45055	-0.04323	0.35123	-0.06217	0.17987	0.009612
-0.23644	2.35E-07	-0.18711	4.73E-05	-0.2012	1.18E-05	-0.18386	6.42E-05	-0.18127
-0.07633	0.09945	-0.155	0.00078	0.012264	0.79152	-0.07332	0.11355	0.057763
-0.08276	0.074	-0.10617	0.02175	-0.22078	1.45E-06	-0.15708	0.00066	-0.11746
-0.02516	0.58765	-0.06161	0.18379	-0.03902	0.4002	-0.02524	0.58635	-0.03846
-0.05452	0.23963	-0.15528	0.00076	-0.08842	0.05621	-0.10025	0.0303	-0.016

-0.0161	0.72865	-0.11944	0.00978	-0.02895	0.53258	-0.10401	0.0246	0.056316
-0.00399	0.93144	-0.08177	0.0775	-0.13216	0.00422	-0.17127	0.0002	0.061372
-0.00483	0.91701	-0.1089	0.01857	-0.0863	0.0624	-0.17186	0.00019	0.049814
-0.17419	0.00015	-0.15123	0.00104	-0.09678	0.03656	-0.08015	0.0836	0.015866
-0.05496	0.23587	-0.03931	0.39675	-0.05796	0.21124	-0.09625	0.03759	0.000164
0.020944	0.65168	-0.00526	0.90978	-0.13171	0.00436	-0.10515	0.02306	-0.03076
-0.01771	0.70259	-0.03089	0.50549	-0.03011	0.51622	-0.03915	0.39863	-0.01167
0.2557	2.09E-08	-0.16523	0.00034	-0.0611	0.18748	-0.12282	0.00788	-0.04097
0.126078	0.00637	-0.20196	1.09E-05	-0.31138	5.87E-12	-0.17702	0.00012	-0.25502
-0.04661	0.31481	-0.01384	0.76541	-0.00985	0.83182	-0.01023	0.82543	0.039717
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-0.01573	0.73457	-0.08832	0.0565	-0.0662	0.15319	-0.0592	0.20161	-0.02779
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0.015947	0.73106	-0.03988	0.38992	0.024179	0.60224	0.01474	0.75071	0.052008
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0.049052	0.29014	-0.00757	0.8704	-0.00479	0.91773	-0.08203	0.07659	0.172857
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0.078191	0.09146	0.039618	0.393	-0.02067	0.65596	-0.03666	0.42931	0.046782
0.013779	0.76648	-0.09952	0.03153	-0.00519	0.911	-0.07791	0.09264	0.091906
-0.0873	0.05941	-0.19343	2.57E-05	-0.15457	0.0008	-0.18632	5.10E-05	-0.09277
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-0.01845	0.69093	-0.0267	0.56492	-0.00632	0.89167	-0.08531	0.06547	0.040791
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0.005173	0.91123	-0.1015	0.02829	-0.09849	0.03335	-0.08342	0.07169	-0.05011
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0.042688	0.35734	-0.13511	0.00344	0.009256	0.84189	-0.11376	0.0139	0.011361
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-0.00197	0.96606	-0.11673	0.01159	0.060726	0.1902	-0.01858	0.68879	0.127835
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0.003567	0.93873	-0.05473	0.23785	-0.00365	0.93726	-0.00703	0.87957	0.036929
0.052868	0.25419	-0.09242	0.04592	-0.03286	0.47871	-0.03656	0.43059	-0.01059
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0.059788	0.19715	-0.02728	0.55653	0.031284	0.50005	-0.00238	0.95917	0.117264
0.031323	0.49952	-0.10456	0.02384	-0.09029	0.05119	-0.0733	0.11367	-0.11627
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-0.05698	0.21904	-0.13227	0.00419	-0.06703	0.1481	-0.11028	0.01713	-0.00621
-0.01399	0.76308	-0.0595	0.1993	-0.052	0.26206	-0.08289	0.07352	0.032383
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0.021905	0.63682	-0.03258	0.48251	0.055278	0.23316	0.01973	0.67064	0.074065
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-0.04869	0.29369	-0.12722	0.00591	-0.05312	0.2519	-0.05658	0.22233	-0.02216
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0.04562	0.32525	0.025086	0.58869	-0.01575	0.73432	0.036713	0.42864	0.030782
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-0.02945	0.52559	-0.18382	6.44E-05	-0.21636	2.37E-06	-0.20631	6.96E-06	-0.17703
0.01119	0.80942	-0.09062	0.05033	-0.15038	0.00112	-0.08771	0.05822	-0.14075
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0.016462	0.72272	-0.0502	0.27896	-0.01691	0.71552	-0.08614	0.06289	0.056759
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0.025584	0.5813	-0.01149	0.80443	-0.03025	0.51433	-0.08206	0.07648	0.035797
0.005075	0.9129	-0.05769	0.21335	-0.03682	0.4273	-0.03597	0.43805	0.03594
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-0.0926	0.04549	-0.17951	9.60E-05	-0.1699	0.00023	-0.18651	5.01E-05	-0.09611
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-0.0232	0.61706	-0.10223	0.02717	-0.00768	0.86847	-0.08756	0.05864	0.057719
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0.042535	0.35907	0.085894	0.06365	0.00703	0.87956	-0.01754	0.70537	0.059695
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0.011287	0.80781	-0.09309	0.04436	-0.00935	0.84036	-0.06688	0.14902	0.077247
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-0.13031	0.00479	-0.24213	1.17E-07	-0.2071	6.41E-06	-0.21446	2.92E-06	-0.16402
-0.05527	0.2332	-0.06076	0.18996	-0.03197	0.49068	-0.0427	0.35719	0.042771
0.031107	0.50248	-0.06935	0.13453	-0.03911	0.3991	-0.05926	0.20114	0.030087
-0.03916	0.39854	-0.08808	0.05717	0.023541	0.61185	-0.03303	0.47643	0.105879
-0.0164	0.7237	-0.13421	0.00367	0.029075	0.53081	0.025623	0.58073	0.002806
0.031638	0.49521	-0.00582	0.90014	0.056494	0.22302	0.010733	0.81705	0.181101
0.056115	0.22614	0.014142	0.76051	-0.05805	0.21048	0.03769	0.41645	-0.06535
-0.25133	3.68E-08	-0.26149	9.70E-09	-0.20686	6.57E-06	-0.1421	0.00208	-0.14831
-0.04162	0.36951	-0.11426	0.01349	-0.06551	0.1575	-0.05689	0.21982	-0.05225
-0.0501	0.27995	-0.18704	4.76E-05	-0.13035	0.00478	-0.17313	0.00017	-0.08029
0.031132	0.50214	-0.10232	0.02703	-0.08539	0.06522	-0.05923	0.2014	-0.06194
-0.02442	0.59861	-0.06949	0.13377	0.035436	0.44489	-0.03946	0.39485	0.099423
-0.09781	0.03458	-0.13208	0.00425	-0.00802	0.86271	-0.08803	0.0573	0.069043
-0.01565	0.73593	0.049499	0.28576	-0.0834	0.07176	-0.09046	0.05074	-0.02141
-0.00169	0.97094	0.017992	0.69816	-0.09108	0.04918	-0.0837	0.07075	-0.03224
0.005141	0.91177	0.104561	0.02384	0.000237	0.99592	-0.0152	0.74327	0.030203
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-0.06307	0.17362	-0.06197	0.18125	-0.06135	0.18568	-0.05156	0.26617	-0.03128
-0.04782	0.30239	-0.10703	0.0207	-0.0539	0.24505	-0.07343	0.11305	-0.01146
0.059118	0.20222	-0.03525	0.44732	0.078202	0.09141	-0.02943	0.52583	0.082229
-0.06256	0.17712	-0.01206	0.79485	-0.02227	0.63116	-0.03757	0.41798	-0.00104



-0.08153	0.0784	-0.11575	0.01231	-0.09802	0.03421	-0.10746	0.02019	-0.02985
0.00864	0.85228	-0.12016	0.00935	-0.0143	0.75797	-0.0867	0.0612	-0.0432
-0.1297	0.005	-0.2203	1.53E-06	-0.23262	3.71E-07	-0.22045	1.51E-06	-0.10856
0.032647	0.48155	-0.01729	0.70943	-0.01635	0.72459	-0.10391	0.02474	0.101333
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0.142867	0.00197	0.036429	0.43223	0.121975	0.00832	0.020955	0.6515	0.190212
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-0.10125	0.02868	-0.18209	7.57E-05	-0.18088	8.46E-05	-0.19035	3.47E-05	-0.10457
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0.126317	0.00627	-0.00849	0.85486	0.00213	0.96339	-0.03722	0.42229	0.054192
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0.077607	0.09391	0.012044	0.79519	0.026657	0.56555	0.047602	0.30465	-0.00297
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0.05189	0.26309	-0.03295	0.47751	0.010907	0.81415	0.034887	0.45198	0.028891
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0.020976	0.65117	-0.03147	0.49752	0.033335	0.47236	-0.03459	0.45582	0.081554
-0.02187	0.63738	-0.05144	0.26724	-0.03889	0.40177	-0.046	0.3212	0.020466
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0.009027	0.84574	-0.04024	0.38556	-0.01291	0.78087	-0.06177	0.18266	0.036523
0.01908	0.68088	0.001188	0.97957	-0.01736	0.70821	0.003526	0.93942	-0.01146
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0.076472	0.09883	0.002916	0.94989	0.068266	0.14075	0.028959	0.53245	0.09999
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0.10183	0.02778	0.023784	0.60818	0.114571	0.01323	0.027679	0.55074	0.214139
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0.012036	0.79531	-0.03264	0.48162	-0.03454	0.45646	-0.06397	0.16754	-0.01018
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-0.03914	0.39868	-0.08235	0.07542	-0.06771	0.144	-0.09318	0.04416	-0.01689
-0.0465	0.31595	-0.15248	0.00095	-0.07412	0.10969	-0.14945	0.0012	0.016665
-0.05335	0.24985	-0.19004	3.57E-05	-0.1472	0.00142	-0.17203	0.00019	-0.07435
-0.10319	0.02575	-0.18021	9.00E-05	-0.16482	0.00035	-0.17468	0.00015	-0.09832
-0.03412	0.46193	-0.14162	0.00216	-0.11658	0.01169	-0.12894	0.00526	-0.0521
-0.0297	0.52202	-0.15852	0.00059	-0.13501	0.00347	-0.14359	0.00187	-0.06987
-0.07454	0.10769	-0.14978	0.00117	-0.11685	0.0115	-0.14506	0.00167	-0.03553
-0.01983	0.66901	-0.03786	0.41431	-0.05303	0.25272	-0.06334	0.17179	0.040637
-0.05823	0.20913	-0.09826	0.03376	-0.15112	0.00105	-0.14203	0.00209	-0.08504
-0.00638	0.89069	-0.08256	0.07469	0.006671	0.88568	-0.02291	0.62147	0.027634
0.016912	0.71547	-0.11121	0.01621	-0.04861	0.29456	-0.08044	0.08246	0.024127
-0.03744	0.41958	-0.15672	0.00068	-0.14355	0.00187	-0.16796	0.00027	-0.0901
-0.05246	0.25791	-0.10601	0.02195	-0.09321	0.04409	-0.10294	0.02612	-0.04099
-0.0483	0.29756	-0.15696	0.00066	-0.14057	0.00233	-0.16344	0.00039	-0.07041
-0.05696	0.21923	-0.15646	0.00069	-0.15393	0.00085	-0.16103	0.00048	-0.08975
-0.06714	0.14742	-0.1473	0.00141	-0.11648	0.01177	-0.158	0.00061	-0.04878
-0.11413	0.01359	-0.17254	0.00018	-0.17704	0.00012	-0.19203	2.94E-05	-0.12559
-0.01574	0.73436	-0.12139	0.00864	-0.09381	0.04274	-0.11662	0.01167	-0.03708
-0.05774	0.21299	-0.14349	0.00188	-0.14298	0.00195	-0.11903	0.01004	-0.09536
-0.09278	0.04508	-0.18457	6.01E-05	-0.16436	0.00036	-0.18009	9.10E-05	-0.0951
-0.0308	0.50665	-0.10561	0.02246	-0.07216	0.1194	-0.09054	0.05054	-0.02224
0.009938	0.8304	-0.07696	0.09671	-0.07068	0.12722	-0.07568	0.10237	-0.07101
-0.03773	0.41592	-0.03651	0.43121	-0.01221	0.79234	-0.02525	0.5863	0.004024
-0.05904	0.20284	-0.09312	0.04429	-0.0593	0.20082	-0.07906	0.08791	0.006958
-0.07075	0.12682	-0.1348	0.00352	-0.08768	0.05831	-0.11261	0.0149	-0.04384
-0.0458	0.32333	-0.12055	0.00912	-0.07355	0.11244	-0.09766	0.03487	-0.02425
-0.04094	0.3774	-0.10174	0.02792	-0.01169	0.80102	-0.05746	0.21519	0.026263
-0.09376	0.04284	-0.17608	0.00013	-0.16039	0.0005	-0.16108	0.00047	-0.10586
-0.0626	0.17687	-0.14608	0.00155	-0.14479	0.00171	-0.14231	0.00205	-0.08045
-0.02212	0.63357	-0.11628	0.01192	-0.0466	0.31492	-0.06914	0.13574	-0.0157
-0.0879	0.05767	-0.16714	0.00029	-0.14403	0.00181	-0.12767	0.00573	-0.09106
-0.04473	0.33483	-0.09118	0.04892	-0.03193	0.49124	-0.07964	0.08559	0.025186
-0.02696	0.56115	-0.07828	0.0911	-0.05815	0.2097	-0.05223	0.25996	-0.03459
-0.05899	0.20322	-0.14448	0.00175	-0.1071	0.02062	-0.11638	0.01184	-0.05957
-0.01312	0.77743	-0.06472	0.16259	-0.01639	0.72389	-0.05279	0.25493	0.03548
-0.02269	0.62474	-0.08319	0.07248	-0.05715	0.2177	-0.06351	0.17065	0.016552
-0.02357	0.61147	-0.12667	0.00612	-0.09284	0.04494	-0.10259	0.02663	-0.04441
-0.04417	0.34092	-0.16022	0.00051	-0.04248	0.35965	-0.10215	0.02729	-0.03165
-0.08368	0.07083	-0.15339	0.00088	-0.13619	0.00319	-0.1501	0.00114	-0.0676
-0.09864	0.03308	-0.14453	0.00174	-0.14088	0.00228	-0.13863	0.00268	-0.07748
0.038509	0.40639	-0.0452	0.32974	-0.02313	0.61806	-0.02594	0.57599	0.001976
-0.04323	0.35127	-0.13569	0.0033	-0.11509	0.01282	-0.11965	0.00966	-0.053
-0.05411	0.24316	-0.126	0.0064	-0.11938	0.00982	-0.09472	0.04075	-0.07989
-0.0675	0.14525	-0.15429	0.00082	-0.09903	0.03238	-0.11892	0.01011	-0.0471
-0.00077	0.98674	-0.09628	0.03753	-0.03704	0.4246	-0.0804	0.08263	0.022168

-0.07258	0.11727	-0.1302	0.00483	-0.03227	0.48657	-0.0986	0.03314	0.029625
-0.06424	0.16579	-0.12905	0.00522	-0.12922	0.00516	-0.10576	0.02227	-0.07533
-0.03494	0.45124	-0.15616	0.00071	0.037041	0.42453	-0.08022	0.08334	0.053314
-0.00362	0.93788	-0.12831	0.00549	0.042808	0.35599	-0.06438	0.16487	0.109247
-0.04568	0.32463	-0.11893	0.0101	-0.08305	0.07297	-0.1037	0.02503	-0.03897
-0.06933	0.13467	-0.11229	0.01519	-0.05811	0.21004	-0.05967	0.19803	-0.01321
-0.00404	0.93065	-0.04577	0.32364	-0.02757	0.55236	-0.01756	0.70503	-0.00543
-0.11408	0.01364	-0.23702	2.19E-07	-0.20016	1.31E-05	-0.21221	3.72E-06	-0.13938
-0.06864	0.1386	-0.17075	0.00021	-0.09021	0.05138	-0.15048	0.00111	-0.01938
0.055335	0.23267	-0.08415	0.06925	0.037089	0.42393	-0.03965	0.39256	0.066604
-0.03509	0.44929	-0.11683	0.01152	-0.04584	0.32287	-0.0705	0.12819	-0.00483
-0.04081	0.37889	-0.12349	0.00755	-0.08833	0.05648	-0.10528	0.02288	-0.03414
-0.00479	0.91785	-0.0512	0.26949	-0.00804	0.8624	-0.0155	0.73838	0.005188
-0.03807	0.41178	-0.11746	0.01107	-0.09882	0.03275	-0.09802	0.03421	-0.05314
-0.0333	0.47289	-0.10249	0.02677	-0.06864	0.13857	-0.09622	0.03765	-0.05124
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0.061449	0.18496	-0.04807	0.29996	-0.00049	0.99151	-0.01552	0.73804	-0.00108
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-0.01553	0.73783	-0.12853	0.00541	-0.10986	0.01755	-0.13013	0.00485	-0.04328
-0.09684	0.03643	-0.10045	0.02997	-0.04815	0.29915	-0.07325	0.11391	-0.02143
-0.0519	0.26302	-0.13766	0.00287	-0.11028	0.01712	-0.12781	0.00567	-0.03684
-0.09616	0.03777	-0.14503	0.00168	-0.11571	0.01234	-0.14444	0.00175	-0.07543
-0.04623	0.31886	-0.10763	0.01999	-0.06628	0.15268	-0.08453	0.06798	-0.0175
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-0.02568	0.57994	-0.04033	0.38456	-0.03065	0.5088	-0.0444	0.33835	0.018018
-0.06654	0.1511	-0.1151	0.01281	-0.11077	0.01663	-0.14598	0.00156	-0.03994
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-0.04731	0.30766	-0.09757	0.03504	-0.10079	0.02943	-0.08465	0.0676	-0.04415
-0.03638	0.43285	-0.06442	0.16457	-0.07313	0.1145	-0.0475	0.30572	-0.02591
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-0.09774	0.03472	-0.19325	2.61E-05	-0.14569	0.00159	-0.16501	0.00034	-0.08632
-0.09069	0.05016	-0.17145	0.0002	-0.17602	0.00013	-0.1689	0.00025	-0.10985
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-0.09293	0.04472	-0.1403	0.00237	-0.05394	0.24471	-0.02508	0.58883	0.025011
-0.07447	0.108	-0.13901	0.00261	-0.10454	0.02387	-0.14201	0.0021	-0.05425
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0.010639	0.81864	-0.03957	0.39361	-0.02825	0.54252	-0.06168	0.18329	0.020624
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0.072424	0.11807	0.045806	0.32328	0.124467	0.00708	0.08829	0.05658	0.142523
0.160618	0.00049	0.102803	0.02632	0.240143	1.50E-07	0.123569	0.00751	0.186376
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-0.12106	0.00882	-0.18035	8.89E-05	-0.21048	4.48E-06	-0.18831	4.22E-05	-0.13912
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0.092036	0.04683	0.008005	0.86302	0.04274	0.35676	0.005161	0.91143	0.059047
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0.006228	0.89322	-0.01012	0.82729	-0.05505	0.23508	-0.0145	0.75472	0.006453
0.01784	0.70059	-0.00268	0.95394	0.0772	0.09565	0.05042	0.27688	0.094223
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-0.05707	0.21836	-0.103	0.02603	-0.1177	0.01091	-0.08334	0.07197	-0.07517
0.019491	0.6744	0.007003	0.88003	-0.02658	0.56674	-0.02407	0.60389	-0.00426
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0.035252	0.44726	-0.04492	0.33269	-0.00287	0.95065	-0.02847	0.53942	0.015171
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0.054552	0.23935	-0.11323	0.01436	-0.03439	0.45839	-0.0511	0.27045	0.074786
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0.009972	0.82983	-0.08648	0.06186	-0.03085	0.50595	-0.06888	0.13718	0.07786
0.037516	0.41861	0.018004	0.69797	-0.0286	0.53749	-0.07132	0.12377	-0.03011
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0.024413	0.59873	-0.01178	0.79953	-0.04295	0.35442	-0.06404	0.16706	0.000481
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-0.07219	0.11927	-0.16211	0.00044	-0.15545	0.00075	-0.19176	3.02E-05	-0.08912
0.097003	0.03612	-0.06986	0.13171	0.044189	0.34068	0.008357	0.85706	0.057372

-0.03482	0.45287	-0.09387	0.04259	-0.09923	0.03204	-0.09253	0.04566	-0.07067
-0.04196	0.36565	-0.09608	0.03793	-0.06065	0.19073	-0.12035	0.00923	0.010855
-0.02124	0.64703	0.068391	0.14002	-0.14832	0.00131	-0.06416	0.16632	-0.02651
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0.007511	0.8714	-0.0609	0.1889	0.023105	0.61846	-0.02815	0.54403	0.025287
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0.09156	0.04799	-0.01794	0.69897	-0.13996	0.00243	-0.05615	0.22586	-0.07693
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-0.02614	0.57309	-0.15427	0.00082	-0.02792	0.54724	-0.13185	0.00431	0.050118
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-0.02284	0.62251	-0.14811	0.00133	-0.06463	0.16321	-0.0801	0.08381	0.011504
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-0.02804	0.54555	-0.04294	0.35447	-0.04029	0.38502	-0.04486	0.33341	-0.0106
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-0.06032	0.19321	-0.07182	0.12116	-0.10487	0.02343	-0.10171	0.02796	-0.06848
-0.07348	0.11276	-0.11023	0.01718	-0.09053	0.05057	-0.10446	0.02397	-0.02305
-0.08569	0.06427	-0.16654	0.0003	-0.15518	0.00077	-0.14794	0.00135	-0.10328
-0.01261	0.78579	-0.08359	0.07114	-0.0626	0.17684	-0.0783	0.091	-0.00689
-0.02535	0.58475	-0.05959	0.19864	-0.10404	0.02455	-0.09313	0.04427	-0.04827
-0.09903	0.03239	-0.10362	0.02514	-0.03483	0.45275	0.004134	0.929	-0.00289
0.005428	0.90688	0.020916	0.65211	-0.0142	0.75956	0.012459	0.78828	0.062332
0.042237	0.36245	0.023505	0.6124	-0.02747	0.5537	-0.00517	0.91125	0.012835
-0.0105	0.82093	-0.09608	0.03793	-0.05562	0.23028	-0.06493	0.16125	0.005763
-0.19594	2.01E-05	-0.15706	0.00066	-0.18003	9.15E-05	-0.13017	0.00484	-0.11819
-0.12913	0.00519	-0.09932	0.03189	-0.20181	1.11E-05	-0.14091	0.00227	-0.1233
-0.04481	0.33394	0.008604	0.85289	-0.04947	0.28601	-0.01192	0.79721	-0.03492
-0.06218	0.17977	-0.1293	0.00513	-0.10278	0.02635	-0.09332	0.04383	-0.06159
-0.00147	0.97481	-0.01279	0.78276	0.032095	0.489	0.004383	0.92474	0.044685
-0.06419	0.16608	-0.121	0.00886	-0.14063	0.00232	-0.12729	0.00588	-0.09373
-0.03219	0.48767	-0.11494	0.01294	-0.01748	0.70635	-0.01827	0.69377	0.020189
0.012433	0.78872	-0.03327	0.47325	-0.01431	0.75775	-0.00538	0.90767	-0.00088
0.052263	0.25968	0.028027	0.54573	-0.02663	0.56598	-0.01819	0.69507	0.016539
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0.0451	0.3308	0.010313	0.82409	0.070249	0.12955	0.042083	0.3642	0.063269
-0.04922	0.28852	-0.16686	0.00029	-0.13507	0.00345	-0.16005	0.00052	-0.05617
-0.03869	0.40419	-0.15263	0.00094	-0.10211	0.02736	-0.12574	0.00651	-0.06149
-0.08803	0.05732	-0.1076	0.02002	-0.13264	0.00409	-0.10025	0.03031	-0.09353
-0.03417	0.46127	-0.07204	0.12005	-0.04511	0.3307	-0.0674	0.14588	-0.01357
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-0.07736	0.09497	-0.12786	0.00566	-0.11662	0.01167	-0.13365	0.00381	-0.05858
0.014342	0.75724	-0.07584	0.10166	-0.04854	0.29525	-0.06308	0.17354	-0.01141
-0.06217	0.17984	-0.16107	0.00048	-0.12709	0.00596	-0.12341	0.00759	-0.06594
-0.0204	0.66019	-0.05903	0.20292	-0.10903	0.01843	-0.09691	0.0363	-0.06793
0.074966	0.10567	-0.05732	0.21632	-0.06765	0.14439	-0.13545	0.00336	0.050579
-0.00937	0.83998	-0.01959	0.67289	0.001133	0.98052	-0.02963	0.52293	0.037278
0.004835	0.917	-0.04587	0.3226	0.030529	0.51046	0.002698	0.95363	0.082512
-0.02884	0.5342	-0.06034	0.19306	-0.04955	0.2853	-0.06044	0.1923	0.005782
-0.02674	0.56433	-0.07878	0.08905	0.024105	0.60334	-0.05744	0.21533	0.098586
0.118102	0.01064	-0.00264	0.9546	0.084399	0.06842	0.028416	0.54017	0.172362
-0.03217	0.48798	0.024711	0.59426	-0.11105	0.01636	-0.05254	0.25712	-0.03607
-0.02226	0.63142	-0.10304	0.02597	-0.02024	0.66271	-0.07485	0.10622	0.026266
-0.01736	0.70828	-0.07684	0.0972	-0.01938	0.67619	-0.02708	0.55934	-0.01552
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0.015621	0.73635	0.037162	0.42301	0.004348	0.92533	0.008875	0.8483	-0.02601
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0.076149	0.10027	-0.06808	0.14182	-0.04152	0.37071	-0.05618	0.22561	-0.01143
-0.04726	0.30816	-0.16091	0.00048	-0.11531	0.01265	-0.14305	0.00194	-0.0638
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-0.05744	0.21534	-0.16306	0.0004	-0.07422	0.10918	-0.14898	0.00124	0.013846
-0.06953	0.13355	-0.05478	0.23742	-0.17379	0.00016	-0.11883	0.01016	-0.11552
0.043349	0.34994	0.011322	0.80722	0.042692	0.35729	0.044529	0.33697	0.064369
0.012985	0.77958	-0.11557	0.01245	0.010171	0.82648	-0.0682	0.14112	0.074202
0.06505	0.16048	-0.0527	0.25573	-0.00679	0.8837	-0.02369	0.60959	-0.05174
-0.09276	0.04511	-0.10591	0.02208	-0.07644	0.09898	-0.08762	0.05849	0.0383
-0.12431	0.00715	-0.11471	0.01312	-0.14268	0.002	-0.08259	0.07457	-0.09218
-0.08419	0.0691	-0.14918	0.00122	-0.06531	0.15882	-0.08838	0.05631	-0.05206
-0.1164	0.01183	-0.08511	0.06613	-0.13658	0.0031	-0.08297	0.07324	-0.04866
-0.04533	0.32837	-0.06296	0.1744	-0.04437	0.33865	-0.06244	0.17796	-0.04809
-0.07574	0.10211	-0.09647	0.03716	-0.09189	0.04719	-0.08835	0.05642	-0.08006
-0.04014	0.38675	-0.12726	0.00589	-0.11292	0.01463	-0.12677	0.00608	-0.10027
-0.0291	0.53049	-0.07518	0.10468	-0.03268	0.48117	-0.07195	0.1205	0.00071
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-0.07375	0.11145	-0.13285	0.00403	-0.17226	0.00018	-0.1636	0.00039	-0.12865
0.025769	0.57857	0.010757	0.81665	-0.04493	0.33263	-0.07666	0.09801	-0.02338
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-0.04027	0.38529	-0.05485	0.23678	-0.04788	0.30179	-0.03166	0.49494	0.010742
-0.01634	0.72464	-0.04174	0.36814	-0.02671	0.56482	-0.02372	0.60908	0.022787
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0.0252	0.58699	-0.04188	0.36655	-0.03149	0.49723	-0.04393	0.34351	-0.01828
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0.017789	0.7014	0.009336	0.84053	-0.05526	0.23334	-0.07289	0.11571	0.02339
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-0.16874	0.00025	-0.19076	3.33E-05	0.036441	0.43207	0.042875	0.35524	0.05228
0.029971	0.51823	-0.01344	0.77204	0.05784	0.21217	-0.04243	0.36024	0.167125
-0.05593	0.22769	-0.18427	6.18E-05	-0.14461	0.00173	-0.16114	0.00047	-0.09072
-0.05795	0.21129	-0.06586	0.15531	-0.13736	0.00293	-0.14842	0.0013	-0.02524
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0.311011	6.23E-12	0.37026	1.27E-16	0.590225	3.56E-45	0.557397	1.78E-39	0.765323
0.383933	7.52E-18	0.243105	1.04E-07	0.695794	7.77E-69	0.383917	7.55E-18	0.788033
0.478364	4.44E-28	0.592971	1.11E-45	0.769993	8.69E-93	0.675873	1.30E-63	0.877239
0.312107	5.21E-12	0.312047	5.26E-12	0.604549	7.14E-48	0.393614	9.34E-19	0.823128
0.338984	5.08E-14	0.315962	2.76E-12	0.461408	5.34E-26	0.282672	4.99E-10	0.61437
0.492536	6.56E-30	0.369866	1.38E-16	0.754709	3.70E-87	0.554248	5.82E-39	0.838749
0.37649	3.57E-17	0.700538	3.82E-70	0.325203	5.78E-13	0.378701	2.26E-17	0.56928
0.223734	1.04E-06	0.171331	0.0002	0.40123	1.72E-19	0.148269	0.00131	0.563889
0.531559	2.05E-35	0.653915	2.60E-58	0.568579	2.40E-41	0.517532	2.36E-33	0.78387
0.363212	5.21E-16	0.230133	4.97E-07	0.72371	6.35E-77	0.486664	3.85E-29	0.814128
0.507288	6.59E-32	0.621573	2.91E-51	0.591589	2.00E-45	0.443972	5.61E-24	0.817529
0.328004	3.56E-13	0.436947	3.40E-23	0.530794	2.67E-35	0.398362	3.27E-19	0.737558
0.35783	1.49E-15	0.331394	1.97E-13	0.715925	1.43E-74	0.578506	4.57E-43	0.817476
0.471496	3.19E-27	0.429374	2.26E-22	0.626484	2.80E-52	0.447264	2.38E-24	0.782063
0.269101	3.44E-09	0.485354	5.69E-29	0.522935	3.89E-34	0.560215	6.12E-40	0.676324
0.236763	2.26E-07	0.359731	1.03E-15	0.406275	5.49E-20	0.418725	3.00E-21	0.540922
0.502625	2.89E-31	0.577522	6.81E-43	0.758851	1.21E-88	0.727175	5.36E-78	0.83323
0.360188	9.43E-16	0.672681	8.19E-63	0.441738	1.00E-23	0.513899	7.78E-33	0.664408
0.07615	0.10026	0.132292	0.00419	0.318079	1.94E-12	0.124876	0.00689	0.555307
0.274721	1.57E-09	0.171659	0.00019	0.443395	6.52E-24	0.214987	2.75E-06	0.577467
0.417212	4.30E-21	0.386437	4.41E-18	0.766966	1.23E-91	0.520577	8.57E-34	0.863151
0.288746	2.03E-10	0.333484	1.36E-13	0.292802	1.10E-10	0.288074	2.24E-10	0.530803
0.427142	3.92E-22	0.425906	5.30E-22	0.698225	1.67E-69	0.642159	1.19E-55	0.762942
0.437331	3.08E-23	0.337946	6.12E-14	0.703905	4.35E-71	0.478178	4.69E-28	0.798405
0.347445	1.07E-14	0.305822	1.44E-11	0.663065	1.82E-60	0.444158	5.35E-24	0.839914
0.384212	7.09E-18	0.559531	7.94E-40	0.531268	2.26E-35	0.477747	5.31E-28	0.655528

0.511782	1.55E-32	0.513494	8.88E-33	0.706708	6.95E-72	0.551145	1.84E-38	0.778808
0.392841	1.11E-18	0.537519	2.54E-36	0.511417	1.74E-32	0.491201	9.84E-30	0.68421
0.456525	2.02E-25	0.662855	2.05E-60	0.484967	6.38E-29	0.390329	1.91E-18	0.670115
0.385198	5.75E-18	0.747535	1.17E-84	0.494237	3.90E-30	0.577914	5.81E-43	0.621784
0.393792	8.98E-19	0.326823	4.37E-13	0.721424	3.18E-76	0.503668	2.08E-31	0.78087
0.464837	2.07E-26	0.731857	1.79E-79	0.555446	3.72E-39	0.608259	1.36E-48	0.748053
0.485105	6.13E-29	0.46354	2.97E-26	0.704633	2.71E-71	0.498466	1.06E-30	0.762606
0.423406	9.73E-22	0.408915	2.99E-20	0.774151	2.15E-94	0.610655	4.59E-49	0.7925
0.300645	3.27E-11	0.020963	0.65138	0.616143	3.70E-50	0.285175	3.45E-10	0.69221
0.360093	9.60E-16	0.544768	1.90E-37	0.419235	2.65E-21	0.392427	1.21E-18	0.698658
0.310354	6.94E-12	0.561025	4.49E-40	0.389696	2.19E-18	0.39852	3.16E-19	0.692239
0.354762	2.69E-15	0.452055	6.71E-25	0.568366	2.61E-41	0.388139	3.06E-18	0.748078
0.286311	2.92E-10	0.335772	9.05E-14	0.583317	6.38E-44	0.470599	4.12E-27	0.659532
0.429908	1.98E-22	0.496341	2.05E-30	0.767621	6.93E-92	0.586103	2.01E-44	0.868459
0.201304	1.17E-05	0.019334	0.67688	0.237995	1.95E-07	0.054523	0.2396	0.445762
0.473273	1.92E-27	0.441679	1.02E-23	0.694398	1.86E-68	0.648243	5.17E-57	0.739612
0.367885	2.06E-16	0.378104	2.56E-17	0.667336	1.69E-61	0.521703	5.88E-34	0.744771
0.477135	6.34E-28	0.732987	7.78E-80	0.58539	2.70E-44	0.634757	4.92E-54	0.778786
0.336776	7.56E-14	0.152838	0.00092	0.588493	7.39E-45	0.301414	2.90E-11	0.745241
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0.495928	2.32E-30	0.50562	1.12E-31	0.771116	3.22E-93	0.562386	2.66E-40	0.874389
0.331815	1.83E-13	0.372521	8.06E-17	0.692616	5.65E-68	0.553432	7.89E-39	0.839259
0.274289	1.66E-09	0.500433	5.74E-31	0.512268	1.32E-32	0.547211	7.83E-38	0.668863
0.261036	1.03E-08	0.212861	3.47E-06	0.54478	1.89E-37	0.404151	8.90E-20	0.718094
0.397795	3.71E-19	0.446335	3.03E-24	0.724247	4.34E-77	0.579594	2.94E-43	0.84688
0.422531	1.20E-21	0.363463	4.96E-16	0.478445	4.34E-28	0.312069	5.24E-12	0.651067
0.512555	1.21E-32	0.462462	4.00E-26	0.733094	7.18E-80	0.541218	6.83E-37	0.852077
0.315371	3.04E-12	0.35782	1.49E-15	0.638721	6.80E-55	0.527079	9.55E-35	0.79219
0.416244	5.40E-21	0.229789	5.17E-07	0.739872	4.46E-82	0.420267	2.07E-21	0.827141
0.462071	4.45E-26	0.644763	3.14E-56	0.656884	5.31E-59	0.633483	9.25E-54	0.804877
0.515192	5.09E-33	0.67313	6.33E-63	0.799024	#####	0.736979	3.98E-81	0.845483
0.279859	7.51E-10	0.575533	1.52E-42	0.205323	7.72E-06	0.21507	2.73E-06	0.519508
0.318937	1.68E-12	0.340904	3.58E-14	0.633235	1.04E-53	0.402226	1.38E-19	0.785763
0.407146	4.50E-20	0.492701	6.24E-30	0.663844	1.19E-60	0.627025	2.16E-52	0.752815
0.400688	1.95E-19	0.50297	2.59E-31	0.537166	2.88E-36	0.471554	3.14E-27	0.660972
0.507021	7.17E-32	0.529263	4.52E-35	0.563942	1.46E-40	0.428235	2.99E-22	0.673442
0.215212	2.69E-06	0.212978	3.43E-06	0.278359	9.32E-10	0.150517	0.0011	0.472521
0.504244	1.73E-31	0.722907	1.12E-76	0.714254	4.48E-74	0.702899	8.35E-71	0.826948
0.391653	1.43E-18	0.39056	1.82E-18	0.739492	5.95E-82	0.575915	1.30E-42	0.85656
0.263911	7.00E-09	0.041408	0.37195	0.573954	2.86E-42	0.233486	3.35E-07	0.738451
0.359429	1.09E-15	0.422632	1.17E-21	0.687659	1.19E-66	0.579332	3.27E-43	0.831079
0.458821	1.08E-25	0.599372	6.99E-47	0.672712	8.05E-63	0.55275	1.02E-38	0.856784
0.270349	2.89E-09	0.32553	5.46E-13	0.61163	2.94E-49	0.505145	1.30E-31	0.737978
0.375638	4.25E-17	0.472109	2.68E-27	0.700229	4.66E-70	0.681572	4.59E-65	0.777858
0.192737	2.75E-05	0.203686	9.14E-06	0.20097	1.21E-05	0.194694	2.27E-05	0.440713

0.191366	3.14E-05	0.077799	0.09309	0.277439	1.06E-09	0.113334	0.01427	0.516419
0.131793	0.00433	0.308165	9.89E-12	0.364009	4.45E-16	0.27125	2.55E-09	0.573443
0.32568	5.32E-13	0.115837	0.01225	0.510132	2.64E-32	0.233691	3.27E-07	0.698426
0.322259	9.56E-13	0.397248	4.19E-19	0.314391	3.58E-12	0.29661	6.14E-11	0.618737
0.331083	2.08E-13	0.507361	6.43E-32	0.451272	8.26E-25	0.459237	9.68E-26	0.731319
-0.21296	3.43E-06	-0.0833	0.0721	-0.1783	0.00011	-0.12461	0.00702	-0.16486
-0.2098	4.82E-06	-0.03333	0.47247	-0.17662	0.00012	-0.09125	0.04876	-0.18242
0.009938	0.83039	-0.03979	0.391	0.154044	0.00084	0.100091	0.03057	0.087497
0.144084	0.0018	0.158936	0.00057	0.219869	1.61E-06	0.276068	1.29E-09	0.104922
0.012127	0.7938	0.072655	0.11689	-0.0627	0.17617	-0.06412	0.16656	-0.08589
0.138628	0.00268	-0.04794	0.30126	0.195757	2.04E-05	0.10736	0.02031	0.069014
0.092659	0.04536	-0.04971	0.28374	0.172347	0.00018	0.178497	0.00011	0.041248
-0.03657	0.43047	-0.02476	0.59347	-0.05984	0.19673	0.041782	0.36765	-0.12278
0.04829	0.2977	-0.07718	0.09572	0.109006	0.01846	0.132414	0.00415	-0.00746
-0.08234	0.07547	-0.03847	0.40686	-0.2445	8.75E-08	-0.21332	3.30E-06	-0.15302
-0.08517	0.06592	-0.12475	0.00695	-0.21669	2.29E-06	-0.13412	0.00369	-0.26656
0.011493	0.80435	0.07503	0.10537	-0.11962	0.00967	-0.11541	0.01257	-0.10521
0.153117	0.0009	0.082715	0.07414	0.256651	1.85E-08	0.252088	3.34E-08	0.11621
-0.11759	0.01099	-0.12938	0.00511	-0.33082	2.18E-13	-0.25296	2.99E-08	-0.31702
-0.03932	0.39653	-0.03946	0.39486	-0.1944	2.33E-05	-0.12772	0.00571	-0.18767
-0.03617	0.43554	-0.09547	0.03917	-0.18776	4.45E-05	-0.18314	6.87E-05	-0.18552
-0.21731	2.14E-06	-0.11586	0.01223	-0.2317	4.13E-07	-0.08882	0.0551	-0.2532
-0.13869	0.00267	-0.0152	0.74317	-0.25093	3.88E-08	-0.13333	0.0039	-0.23258
-0.11434	0.01342	-0.31905	1.64E-12	-0.24461	8.63E-08	-0.33831	5.74E-14	-0.25988
0.085319	0.06545	0.060956	0.18853	0.018767	0.68585	-0.00621	0.89348	0.001971
-0.10107	0.02898	0.087707	0.05823	-0.24722	6.22E-08	-0.11204	0.01542	-0.24503
-0.10038	0.03009	-0.10752	0.02012	-0.20442	8.48E-06	-0.19061	3.38E-05	-0.17072
-0.41952	2.48E-21	-0.44011	1.52E-23	-0.45189	7.02E-25	-0.33444	1.15E-13	-0.44887
-0.27479	1.55E-09	-0.16084	0.00048	-0.37536	4.51E-17	-0.2878	2.34E-10	-0.30157
-0.05228	0.25948	-0.02813	0.5442	-0.21042	4.51E-06	-0.17086	0.00021	-0.1608
-0.14359	0.00187	-0.1364	0.00314	-0.31362	4.06E-12	-0.25449	2.45E-08	-0.3644
-0.27221	2.23E-09	-0.24227	1.15E-07	-0.30745	1.11E-11	-0.28981	1.73E-10	-0.33994
-0.02033	0.66132	-0.13762	0.00288	-0.13317	0.00394	-0.19493	2.22E-05	-0.07152
-0.23854	1.82E-07	-0.34644	1.29E-14	-0.29196	1.25E-10	-0.34375	2.13E-14	-0.33286
-0.05454	0.23948	-0.01968	0.6714	-0.29718	5.62E-11	-0.18031	8.92E-05	-0.25774
-0.10381	0.02487	0.011904	0.79751	-0.22747	6.77E-07	-0.14128	0.00221	-0.24111
-0.0189	0.68373	-0.00739	0.87339	-0.16751	0.00028	-0.10133	0.02857	-0.16345
0.100138	0.03049	0.040269	0.38526	0.017651	0.70362	-0.07982	0.08487	-0.00651
0.040624	0.38108	0.203521	9.30E-06	0.005701	0.9022	0.028715	0.53591	0.038578
-0.11276	0.01477	-0.25278	3.06E-08	-0.3778	2.72E-17	-0.42582	5.42E-22	-0.32141
-0.11772	0.0109	-0.27072	2.75E-09	-0.24746	6.03E-08	-0.29212	1.22E-10	-0.20677
0.028487	0.53916	-0.0519	0.26302	0.189493	3.77E-05	0.190803	3.32E-05	0.07563
-0.22316	1.11E-06	-0.24356	9.83E-08	-0.35081	5.70E-15	-0.25868	1.41E-08	-0.31351
0.009581	0.8364	0.070328	0.12911	0.057208	0.21722	-0.07107	0.12513	0.012674
0.038484	0.40669	0.085736	0.06414	-0.31087	6.38E-12	-0.27805	9.74E-10	-0.17766

0.007757	0.86722	0.030433	0.51179	-0.27821	9.53E-10	-0.11513	0.01279	-0.23587
-0.11291	0.01464	0.031496	0.49715	-0.24896	4.99E-08	-0.17165	0.00019	-0.24347
0.055641	0.23009	0.314004	3.81E-12	-0.08786	0.05781	-0.01212	0.79386	-0.03355
-0.07317	0.11433	-0.11065	0.01675	0.227115	7.06E-07	0.082401	0.07525	0.217657
0.043692	0.34614	0.247081	6.33E-08	-0.20703	6.45E-06	-0.06199	0.18115	-0.16326
0.171201	0.0002	0.190913	3.28E-05	-0.05473	0.23784	0.006661	0.88585	-0.09015
0.45141	7.97E-25	0.284225	3.97E-10	-0.12989	0.00493	-0.10815	0.0194	-0.07863
0.072706	0.11664	0.3619	6.74E-16	-0.11317	0.01441	0.103197	0.02574	-0.05651
0.196152	1.96E-05	0.331265	2.01E-13	-0.07258	0.11726	-0.04169	0.36873	-0.05507
0.002354	0.95953	0.276102	1.29E-09	-0.1823	7.43E-05	-0.10961	0.01782	-0.03685
-0.11479	0.01306	0.117531	0.01103	-0.44921	1.43E-24	-0.28547	3.31E-10	-0.41301
0.118089	0.01065	0.474988	1.18E-27	-0.20091	1.22E-05	0.013714	0.76755	-0.08918
0.094834	0.04051	0.370161	1.30E-16	-0.20106	1.20E-05	0.015176	0.7436	-0.16547
0.260244	1.15E-08	0.680895	6.87E-65	0.083719	0.07068	0.376036	3.92E-17	0.067532
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0.14993	0.00116	0.36992	1.37E-16	-0.20071	1.24E-05	-0.05512	0.23445	-0.10245
0.149286	0.00121	0.577162	7.88E-43	-0.0145	0.75459	0.240249	1.48E-07	-0.01336
0.170617	0.00021	0.6475	7.62E-57	-0.01283	0.78208	0.303601	2.05E-11	0.001699
0.093733	0.04291	0.321734	1.05E-12	-0.10538	0.02275	0.131075	0.00455	-0.13255
0.004762	0.91825	0.34353	2.21E-14	-0.33894	5.12E-14	-0.10892	0.01855	-0.25974
0.066324	0.15242	0.359999	9.78E-16	-0.16599	0.00032	-0.06086	0.18924	-0.07492
0.041409	0.37194	0.331342	1.98E-13	-0.1756	0.00014	0.098688	0.03299	-0.15952
0.188748	4.04E-05	0.33314	1.44E-13	-0.03114	0.50204	0.026049	0.57445	-0.07213
0.013429	0.77225	0.159353	0.00055	-0.21837	1.90E-06	-0.13966	0.00249	-0.16268
-0.01612	0.7282	0.132797	0.00404	-0.25004	4.35E-08	-0.14862	0.00128	-0.12621
0.1756	0.00014	0.395415	6.29E-19	-0.03004	0.51722	0.187594	4.52E-05	-0.10199
0.036562	0.43055	0.028588	0.53773	-0.27829	9.41E-10	-0.1732	0.00017	-0.28109
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0.057398	0.21569	0.158217	0.0006	-0.21071	4.37E-06	-0.05968	0.19794	-0.14617
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0.044005	0.34269	0.101115	0.0289	-0.18222	7.48E-05	-0.10955	0.01787	-0.16874
0.282203	5.34E-10	0.531298	2.24E-35	0.011619	0.80227	0.141082	0.00224	0.030003
0.339372	4.73E-14	0.49622	2.12E-30	0.023559	0.61158	0.257908	1.56E-08	-0.03978
0.079751	0.08515	0.345791	1.46E-14	-0.20324	9.58E-06	-0.03171	0.49426	-0.12205
-0.18958	3.73E-05	-0.0197	0.67113	-0.57869	4.24E-43	-0.31776	2.04E-12	-0.46315
0.07252	0.11758	0.262275	8.73E-09	-0.08526	0.06565	0.022274	0.63115	-0.10306
0.018862	0.68434	0.253479	2.79E-08	-0.29053	1.55E-10	-0.13074	0.00466	-0.22184
0.054831	0.23696	0.088769	0.05524	-0.28553	3.27E-10	-0.12771	0.00571	-0.23402
0.128234	0.00552	0.308632	9.18E-12	-0.14637	0.00152	-0.07793	0.09256	-0.08529
0.468914	6.62E-27	0.34624	1.34E-14	-0.14549	0.00162	0.009678	0.83478	-0.03939
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0.073816	0.11114	0.183139	6.87E-05	-0.28287	4.84E-10	-0.18875	4.04E-05	-0.14055
0.167104	0.00029	0.169081	0.00024	0.010633	0.81874	0.044837	0.33363	-0.06869
0.051962	0.26243	0.354932	2.60E-15	-0.15114	0.00105	0.037111	0.42366	-0.13561
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-0.09456	0.0411	0.13457	0.00357	-0.21898	1.77E-06	-0.09868	0.03301	-0.21638
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0.09576	0.03858	-0.01724	0.71015	-0.26074	1.07E-08	-0.21781	2.02E-06	-0.17931
0.152999	0.00091	0.357373	1.63E-15	-0.12799	0.00561	-0.07507	0.1052	-0.07128
0.217139	2.17E-06	0.371576	9.77E-17	-0.18249	7.29E-05	-0.11017	0.01724	-0.06469
0.055523	0.23108	0.221734	1.30E-06	-0.22721	6.98E-07	-0.10257	0.02666	-0.10816
0.246655	6.68E-08	0.321651	1.06E-12	-0.07175	0.12151	-0.0174	0.70758	-0.10294
0.307464	1.11E-11	0.619842	6.58E-51	0.126636	0.00614	0.351624	4.89E-15	0.139286
0.036453	0.43192	0.220077	1.57E-06	-0.12451	0.00706	-0.08703	0.06021	0.009054
-0.0115	0.8042	0.116096	0.01205	-0.22471	9.31E-07	-0.0306	0.50948	-0.13685
0.289811	1.73E-10	0.544994	1.75E-37	0.047155	0.30922	0.257841	1.58E-08	0.002744
0.091059	0.04923	0.27303	1.99E-09	-0.09901	0.03243	-0.00718	0.87704	-0.0224
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0.072267	0.11886	0.270705	2.75E-09	-0.10814	0.01942	0.012899	0.781	-0.13085
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0.123629	0.00748	0.153077	0.0009	-0.2573	1.69E-08	-0.13547	0.00336	-0.19395
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0.147586	0.00138	0.315332	3.06E-12	-0.10898	0.01848	0.043001	0.35383	-0.16241
0.010688	0.81782	0.089837	0.05237	-0.19946	1.41E-05	-0.01547	0.73875	-0.31326
0.172552	0.00018	0.431195	1.44E-22	-0.00547	0.90614	0.080516	0.08219	-0.01661
0.00682	0.88313	0.055353	0.23252	-0.14528	0.00165	-0.106	0.02197	-0.24386
0.18438	6.12E-05	0.529452	4.23E-35	-0.06465	0.16308	0.221979	1.27E-06	-0.02611
-0.00181	0.96894	0.232438	3.79E-07	-0.35542	2.37E-15	-0.14349	0.00188	-0.3202
0.233676	3.27E-07	0.505821	1.05E-31	0.024966	0.59046	0.212459	3.62E-06	0.207925
0.044258	0.33992	0.202734	1.01E-05	-0.08324	0.07232	0.001408	0.97579	-0.13218
0.179719	9.42E-05	0.410843	1.92E-20	0.026448	0.5686	0.234329	3.03E-07	-0.07462
0.106966	0.02078	0.253469	2.80E-08	-0.22392	1.02E-06	-0.0698	0.132	-0.1995
-0.02128	0.64639	0.191487	3.11E-05	-0.42313	1.04E-21	-0.20504	7.94E-06	-0.28872
0.083983	0.0698	0.312328	5.03E-12	-0.28134	6.06E-10	-0.07274	0.11647	-0.23932
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0.339017	5.05E-14	0.625551	4.38E-52	0.102359	0.02698	0.303012	2.25E-11	0.087168
0.017899	0.69965	0.267736	4.15E-09	-0.23551	2.63E-07	-0.10278	0.02635	-0.12372
0.173295	0.00017	0.530526	2.92E-35	0.043405	0.34931	0.394435	7.80E-19	-0.01765
0.057851	0.21208	-0.0071	0.87841	-0.24852	5.27E-08	-0.16697	0.00029	-0.18152
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0.027469	0.55376	0.502241	3.26E-31	-0.24282	1.08E-07	0.024915	0.59122	-0.10758
0.114501	0.01329	0.097047	0.03603	-0.16756	0.00028	-0.04732	0.30755	-0.17756
-0.02366	0.61005	0.139122	0.00259	-0.20736	6.23E-06	-0.07241	0.11811	-0.09791
0.127662	0.00573	0.365722	3.17E-16	-0.12736	0.00585	0.029233	0.52859	-0.02479
0.038261	0.40942	0.290854	1.48E-10	-0.09191	0.04715	-0.02997	0.51817	-0.03231
-0.02539	0.58424	0.108498	0.01901	-0.25525	2.22E-08	-0.09197	0.04699	-0.21841
-0.05286	0.25424	0.019755	0.67025	-0.35476	2.69E-15	-0.21177	3.90E-06	-0.38736
0.122373	0.00811	0.217946	1.99E-06	-0.17897	0.0001	-0.04587	0.32262	-0.05259
0.123366	0.00761	0.250565	4.06E-08	-0.14271	0.00199	-0.04668	0.31417	-0.12608

-0.11936	0.00983	-0.00572	0.90185	-0.43774	2.78E-23	-0.23724	2.13E-07	-0.40579
-0.1485	0.00129	0.15774	0.00062	-0.52243	4.61E-34	-0.14612	0.00154	-0.48512
0.025178	0.58732	0.266499	4.92E-09	-0.16161	0.00045	-0.03435	0.45898	-0.18711
0.204423	8.47E-06	0.472257	2.57E-27	-0.02471	0.59435	0.144538	0.00174	-0.0667
0.072249	0.11896	0.286514	2.83E-10	-0.16849	0.00025	-0.05337	0.24973	-0.14672
0.107044	0.02068	0.23652	2.33E-07	-0.12745	0.00581	-0.01824	0.69415	-0.14899
0.017419	0.70733	-0.00759	0.86998	-0.21839	1.89E-06	-0.18524	5.64E-05	-0.29528
0.025027	0.58956	0.177914	0.00011	-0.2207	1.46E-06	-0.07996	0.08435	-0.15169
0.008516	0.85438	0.07316	0.11436	-0.25833	1.48E-08	-0.1197	0.00962	-0.16958
0.19147	3.11E-05	-0.0123	0.79089	0.57573	1.40E-42	0.319276	1.58E-12	0.483586
0.121337	0.00867	0.275277	1.45E-09	-0.19919	1.45E-05	-0.08401	0.0697	-0.05909
-0.00344	0.94088	0.241461	1.28E-07	-0.15733	0.00064	-0.09678	0.03656	-0.0776
-0.01575	0.73421	-0.1046	0.02379	-0.36241	6.11E-16	-0.22292	1.14E-06	-0.36807
0.247671	5.87E-08	0.472071	2.71E-27	0.077585	0.094	0.243716	9.65E-08	0.111284
-0.14618	0.00154	-0.04631	0.31794	-0.52	1.04E-33	-0.33111	2.07E-13	-0.45031
-0.01471	0.75126	0.068935	0.13689	-0.41434	8.47E-21	-0.27684	1.16E-09	-0.33767
-0.16926	0.00024	0.00235	0.95961	-0.54099	7.41E-37	-0.36349	4.93E-16	-0.41951
-0.01532	0.74118	0.04937	0.28702	-0.26155	9.63E-09	-0.11474	0.0131	-0.22338
0.084905	0.06677	0.413609	1.00E-20	-0.24231	1.15E-07	0.013123	0.77729	-0.11432
0.307477	1.11E-11	0.574492	2.31E-42	0.010955	0.81334	0.119993	0.00945	0.09825
0.024501	0.5974	0.278298	9.40E-10	-0.15902	0.00056	-0.08144	0.07873	-0.06163
-0.09044	0.05081	0.2906	1.54E-10	-0.44099	1.21E-23	-0.11066	0.01675	-0.34102
0.028702	0.5361	0.173329	0.00017	-0.21162	3.96E-06	-0.12278	0.0079	-0.17718
0.22629	7.76E-07	0.514	7.53E-33	-0.06857	0.13901	0.062378	0.1784	0.071027
-0.07237	0.11836	-0.11981	0.00956	-0.25574	2.08E-08	-0.20241	1.04E-05	-0.25923
0.101201	0.02876	0.389776	2.15E-18	-0.03381	0.4661	0.112327	0.01516	-0.00684
-0.11712	0.01131	0.026465	0.56835	-0.24997	4.38E-08	-0.10755	0.02009	-0.29187
0.051114	0.27031	0.47107	3.60E-27	-0.02643	0.56882	0.165251	0.00034	-0.01462
0.03379	0.46633	0.349203	7.72E-15	-0.12241	0.00809	0.092816	0.04499	-0.17105
0.063355	0.17168	-0.07611	0.10043	-0.30526	1.58E-11	-0.18297	6.98E-05	-0.32892
0.260174	1.16E-08	0.368517	1.81E-16	0.058933	0.20364	0.224439	9.59E-07	0.042713
-0.21874	1.82E-06	-0.14838	0.0013	-0.30313	2.21E-11	-0.24318	1.03E-07	-0.27524
0.041964	0.36557	-0.24692	6.46E-08	0.098993	0.03245	-0.01093	0.8138	0.23552
0.030201	0.51502	0.307179	1.16E-11	-0.27759	1.04E-09	0.087464	0.05894	-0.25364
0.108057	0.01951	0.418698	3.02E-21	-0.175	0.00014	0.108217	0.01933	-0.1775
0.07137	0.12353	0.259617	1.25E-08	-0.25344	2.81E-08	-0.21694	2.22E-06	-0.1852
0.242361	1.14E-07	0.480994	2.06E-28	0.016633	0.71997	0.169145	0.00024	0.004401
-0.11691	0.01146	-0.27132	2.53E-09	0.095496	0.03912	-0.0272	0.55767	0.118054
0.151657	0.00101	0.455895	2.40E-25	-0.01744	0.70695	0.224963	9.04E-07	-0.07981
0.131697	0.00436	0.479227	3.45E-28	-0.09469	0.04082	0.052052	0.26161	0.016149
0.299633	3.84E-11	0.277649	1.03E-09	-0.18726	4.66E-05	-0.02239	0.62943	-0.08262
0.073577	0.11231	0.086424	0.06202	-0.15674	0.00068	-0.10946	0.01797	-0.17135
0.071733	0.12162	0.197556	1.71E-05	-0.15597	0.00072	0.011452	0.80504	-0.0979
-0.05277	0.25507	-0.08857	0.05579	0.207263	6.30E-06	0.052142	0.26078	0.209929
0.219447	1.68E-06	0.325732	5.27E-13	-0.17658	0.00013	-0.10056	0.02979	-0.07193

0.253044	2.95E-08	0.148848	0.00126	-0.40353	1.02E-19	-0.21913	1.74E-06	-0.33052
0.047931	0.30132	0.314226	3.68E-12	-0.08323	0.07235	-0.02286	0.62216	-0.02582
0.011156	0.80998	0.015878	0.73219	-0.24703	6.37E-08	-0.14109	0.00224	-0.22582
0.196741	1.85E-05	-0.01521	0.74299	0.568871	2.14E-41	0.271544	2.45E-09	0.493372
0.074536	0.10769	0.122176	0.00822	-0.2434	1.00E-07	-0.20384	9.00E-06	-0.20529
0.142458	0.00203	0.356509	1.92E-15	-0.15489	0.00078	-0.01791	0.69953	-0.07663
-0.02672	0.56469	0.036246	0.43455	-0.2483	5.42E-08	-0.01031	0.82408	-0.34395
0.2905	1.56E-10	0.482352	1.38E-28	0.201067	1.20E-05	0.277264	1.09E-09	0.120019
0.033366	0.47195	0.15598	0.00072	-0.16587	0.00032	-0.07675	0.09761	-0.21383
0.047302	0.30771	-0.14523	0.00165	0.492474	6.68E-30	0.317722	2.06E-12	0.380022
0.123021	0.00778	0.225546	8.45E-07	-0.23291	3.58E-07	-0.13881	0.00265	-0.1137
0.069125	0.13581	-0.02223	0.63188	-0.21038	4.53E-06	-0.1917	3.04E-05	-0.16609
0.051852	0.26345	0.324947	6.04E-13	-0.23622	2.41E-07	-0.07961	0.08571	-0.10145
0.008525	0.85423	0.179325	9.76E-05	-0.26295	7.98E-09	-0.09034	0.05104	-0.20896
0.155583	0.00074	0.193815	2.47E-05	-0.1122	0.01528	-0.0187	0.68689	-0.22949
-0.01786	0.70026	0.062352	0.17858	-0.21628	2.39E-06	-0.20938	5.04E-06	-0.16443
0.026866	0.56251	0.360622	8.66E-16	-0.31805	1.95E-12	-0.12436	0.00713	-0.20314
0.219379	1.70E-06	0.470268	4.52E-27	-0.15125	0.00104	-0.01989	0.66807	-0.04979
0.217415	2.11E-06	0.448805	1.59E-24	0.081968	0.0768	0.261754	9.37E-09	0.059358
0.199274	1.44E-05	0.596349	2.60E-46	0.037978	0.4129	0.244226	9.05E-08	0.021687
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0.111882	0.01557	0.433313	8.49E-23	-0.0434	0.34933	0.189595	3.73E-05	-0.05113
-0.11099	0.01642	0.049619	0.28459	-0.49003	1.40E-29	-0.24422	9.06E-08	-0.44505
0.313002	4.50E-12	0.259258	1.31E-08	-0.29523	7.59E-11	-0.03202	0.49002	-0.21923
-0.06535	0.15854	0.246644	6.69E-08	-0.40377	9.72E-20	-0.14785	0.00135	-0.35304
0.272858	2.04E-09	0.521409	6.49E-34	0.148211	0.00132	0.33461	1.11E-13	0.111987
0.153963	0.00084	0.333214	1.43E-13	-0.05492	0.23616	-0.00337	0.94213	-0.01617
-0.17726	0.00012	-0.05489	0.23649	-0.54987	2.95E-38	-0.2587	1.41E-08	-0.53968
0.096083	0.03793	0.501729	3.83E-31	-0.19507	2.18E-05	0.082076	0.07641	-0.10073
0.17628	0.00013	0.296217	6.52E-11	-0.13162	0.00438	-0.01466	0.75197	-0.0328
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0.188249	4.24E-05	0.593651	8.29E-46	-0.02205	0.63453	0.234945	2.81E-07	-0.01024
0.147748	0.00137	0.37149	9.94E-17	-0.07474	0.10675	0.059532	0.19908	0.059685
0.112936	0.01461	0.493166	5.42E-30	0.015682	0.73536	0.099628	0.03135	0.09007
-0.08867	0.05551	-0.08029	0.08304	0.229256	5.50E-07	0.098423	0.03347	0.180317
0.13619	0.00319	0.189338	3.82E-05	-0.16251	0.00042	-0.13231	0.00418	0.010318
0.076908	0.09691	0.158177	0.0006	-0.14618	0.00154	-0.08244	0.07511	-0.07297
-0.02308	0.61885	0.098759	0.03287	-0.22376	1.04E-06	-0.12548	0.00663	-0.15604
0.148908	0.00125	0.123801	0.0074	-0.14655	0.0015	-0.1325	0.00413	-0.11441
0.169255	0.00024	0.498524	1.04E-30	-0.12946	0.00508	0.138383	0.00273	-0.10715
0.109802	0.01761	0.390939	1.67E-18	-0.21394	3.09E-06	0.011147	0.81013	-0.14206
-0.17523	0.00014	0.108106	0.01945	-0.54535	1.54E-37	-0.35363	3.34E-15	-0.42141
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0.227859	6.48E-07	0.342618	2.62E-14	-0.07723	0.09552	-0.00555	0.90471	-0.0747
0.02145	0.64383	0.053242	0.25084	-0.17807	0.00011	-0.04733	0.30745	-0.30345

0.034524	0.4567	0.206792	6.62E-06	-0.1731	0.00017	-0.02186	0.63744	-0.13725
0.098227	0.03383	0.489831	1.49E-29	-0.17729	0.00012	0.15604	0.00072	-0.09153
0.112264	0.01522	0.380065	1.70E-17	-0.02093	0.6519	0.119114	0.00998	-0.04416
-0.1385	0.00271	0.143673	0.00185	-0.54758	6.83E-38	-0.28592	3.09E-10	-0.42077
0.014654	0.75212	0.242836	1.08E-07	-0.40096	1.83E-19	-0.06947	0.13387	-0.36139
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0.113266	0.01432	0.291244	1.39E-10	-0.07963	0.08562	0.075373	0.10378	-0.1235
0.116509	0.01175	0.380857	1.44E-17	-0.1685	0.00025	0.129777	0.00497	-0.21378
0.00012	0.99793	0.292762	1.11E-10	-0.24351	9.90E-08	-0.15228	0.00096	-0.18432
0.077991	0.09229	0.295575	7.20E-11	-0.26562	5.55E-09	-0.14155	0.00217	-0.17654
0.262801	8.14E-09	0.514272	6.89E-33	-0.02132	0.64588	0.143544	0.00187	0.004472
0.347172	1.13E-14	0.498273	1.13E-30	0.162974	0.00041	0.335881	8.87E-14	0.153546
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0.179255	9.82E-05	0.520358	9.22E-34	-0.06296	0.17435	0.067935	0.14269	0.225261
0.245942	7.30E-08	0.519238	1.34E-33	0.117899	0.01078	0.439936	1.59E-23	0.036788
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0.043592	0.34724	0.276325	1.25E-09	-0.32521	5.77E-13	-0.1999	1.35E-05	-0.23483
-0.23704	2.19E-07	-0.083	0.07315	-0.62015	5.69E-51	-0.47755	5.62E-28	-0.49321
0.008997	0.84624	0.097991	0.03426	-0.28257	5.07E-10	-0.12841	0.00545	-0.2501
0.089789	0.05249	0.43457	6.19E-23	-0.17198	0.00019	0.014754	0.75048	-0.08553
0.176897	0.00012	0.44318	6.89E-24	-0.14254	0.00202	-0.00827	0.85855	-0.089
0.058478	0.20716	0.22968	5.24E-07	-0.20018	1.31E-05	0.005948	0.898	-0.13262
0.165042	0.00034	0.365644	3.22E-16	-0.05094	0.27195	0.108719	0.01877	-0.13514
0.16891	0.00025	0.519735	1.14E-33	-0.04104	0.37622	0.108489	0.01902	0.070736
-0.00495	0.91497	0.050159	0.27937	-0.3843	6.96E-18	-0.2377	2.02E-07	-0.26416
0.158718	0.00058	0.334736	1.09E-13	-0.16928	0.00024	-0.09288	0.04485	-0.11291
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0.015727	0.73464	0.355119	2.51E-15	-0.11659	0.01169	0.084419	0.06835	-0.13488
0.087324	0.05934	0.424546	7.38E-22	-0.1325	0.00413	-0.03723	0.42218	-0.08827
0.032317	0.486	-0.20307	9.74E-06	0.201558	1.14E-05	0.01363	0.76893	0.13235
0.08509	0.06618	0.397179	4.26E-19	-0.09239	0.046	0.108318	0.01921	-0.00247
-0.08077	0.08124	0.053596	0.2477	-0.2058	7.34E-06	-0.04883	0.29236	-0.25401
0.178735	0.0001	0.530849	2.62E-35	0.006404	0.89023	0.287309	2.52E-10	-0.03741
0.194544	2.30E-05	0.476204	8.29E-28	0.052699	0.25572	0.131773	0.00434	0.039531
0.152238	0.00097	0.366177	2.89E-16	-0.05004	0.2805	0.177775	0.00011	-0.05559
0.086579	0.06155	0.21003	4.70E-06	-0.25341	2.82E-08	-0.08194	0.07691	-0.24547
0.133484	0.00385	0.537913	2.21E-36	-0.16809	0.00026	0.120201	0.00932	-0.01993
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0.014569	0.75352	-0.10311	0.02587	-0.31746	2.15E-12	-0.25529	2.21E-08	-0.28269
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0.034174	0.46128	0.262838	8.10E-09	-0.14257	0.00201	-0.09186	0.04725	-0.06141
0.179953	9.22E-05	0.593567	8.59E-46	0.023969	0.60539	0.312477	4.90E-12	0.089469
0.387253	3.71E-18	0.247965	5.66E-08	-0.23478	2.87E-07	-0.03353	0.46972	-0.19071
0.06014	0.19452	0.125016	0.00683	-0.19547	2.10E-05	-0.13641	0.00314	-0.22575
0.350532	6.01E-15	0.202017	1.09E-05	-0.19749	1.72E-05	-0.04815	0.29907	-0.16137



0.1539	0.00085	0.381394	1.29E-17	-0.02913	0.53004	0.12306	0.00776	0.038729
0.191796	3.01E-05	0.479863	2.87E-28	-0.03952	0.39418	0.036714	0.42863	0.106205
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0.065057	0.16043	0.224208	9.85E-07	-0.31871	1.74E-12	-0.14538	0.00163	-0.23925
0.17876	0.0001	0.395017	6.86E-19	-0.19429	2.36E-05	-0.04581	0.32328	-0.0996
0.110857	0.01655	0.488426	2.27E-29	-0.10527	0.0229	0.103742	0.02497	-0.00096
0.043572	0.34746	0.314025	3.80E-12	-0.15039	0.00112	0.062387	0.17834	-0.14326
0.148373	0.0013	0.108823	0.01865	-0.09363	0.04314	-0.09165	0.04776	-0.06937
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0.155694	0.00074	0.489511	1.64E-29	-0.06988	0.13155	0.046738	0.31352	0.03356
0.037164	0.42299	0.227662	6.62E-07	-0.37507	4.78E-17	-0.09931	0.03191	-0.284
0.058	0.2109	0.23765	2.03E-07	-0.18565	5.43E-05	0.041383	0.37224	-0.26316
0.05391	0.24494	0.206277	6.98E-06	-0.26	1.18E-08	-0.10375	0.02496	-0.21254
0.179828	9.32E-05	0.46358	2.94E-26	-0.05464	0.23857	0.20021	1.31E-05	0.055749
0.095988	0.03812	0.489392	1.70E-29	-0.11512	0.0128	0.061201	0.18675	-0.06072
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-0.02252	0.62741	0.24407	9.23E-08	-0.27393	1.75E-09	-0.09672	0.03668	-0.2858
0.088514	0.05595	0.176585	0.00013	-0.16192	0.00044	-0.1768	0.00012	-0.07931
0.025111	0.58831	0.328813	3.09E-13	-0.21209	3.77E-06	0.000521	0.99104	-0.24214
0.169353	0.00024	0.529812	3.74E-35	-0.01651	0.72203	0.200164	1.31E-05	-0.00519
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0.100441	0.02999	0.472609	2.33E-27	0.090992	0.04939	0.228903	5.74E-07	0.00753
0.22248	1.20E-06	0.52249	4.52E-34	0.09154	0.04804	0.256279	1.94E-08	0.096565
0.040074	0.38757	0.117998	0.01071	-0.26958	3.22E-09	-0.20727	6.30E-06	-0.17682
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-0.00898	0.8466	-0.01339	0.77282	-0.36442	4.10E-16	-0.20805	5.80E-06	-0.32533
0.077225	0.09554	0.089322	0.05374	-0.23935	1.65E-07	-0.1649	0.00035	-0.30436
-0.05061	0.27505	0.143772	0.00184	-0.23598	2.48E-07	-0.12041	0.0092	-0.10903
-0.03536	0.44591	-0.02599	0.57527	-0.38396	7.47E-18	-0.25401	2.61E-08	-0.37198
-0.1107	0.0167	-0.18481	5.87E-05	0.197393	1.73E-05	0.082849	0.07367	0.152002
0.143623	0.00186	0.490072	1.38E-29	-0.01502	0.74608	0.254392	2.48E-08	-0.00089
0.011382	0.80622	0.161465	0.00046	-0.15596	0.00072	-0.06213	0.18011	-0.17174
0.04481	0.33392	-0.13828	0.00275	-0.30405	1.91E-11	-0.26632	5.05E-09	-0.21461
-0.10833	0.0192	-0.14455	0.00174	-0.43692	3.42E-23	-0.38027	1.63E-17	-0.37047
-0.08223	0.07585	0.181324	8.13E-05	-0.45873	1.11E-25	-0.2823	5.27E-10	-0.35281
0.118118	0.01063	0.222394	1.21E-06	-0.1131	0.01447	-0.00482	0.91726	-0.17564
-0.12842	0.00545	0.09111	0.0491	-0.58755	1.09E-44	-0.38716	3.78E-18	-0.43443
0.109444	0.01799	0.437936	2.64E-23	-0.03472	0.45409	0.164192	0.00037	0.006955
0.151103	0.00105	0.423649	9.18E-22	0.000527	0.99094	0.150216	0.00113	0.050068
0.138319	0.00274	0.325081	5.90E-13	-0.03896	0.40091	0.017042	0.71338	-0.08322
0.154185	0.00083	0.455197	2.89E-25	-0.17866	0.0001	0.073534	0.11252	-0.06362
0.179279	9.80E-05	0.283704	4.29E-10	-0.08676	0.06101	-0.00624	0.89302	-0.02928
0.013755	0.76687	0.281132	6.24E-10	-0.28622	2.96E-10	-0.04539	0.32765	-0.2379
0.01081	0.81577	0.089181	0.05412	-0.20999	4.72E-06	-0.11743	0.01109	-0.23419

0.105279	0.02289	0.246971	6.42E-08	-0.15393	0.00085	-0.0864	0.06211	-0.01674
0.127496	0.0058	0.432204	1.12E-22	-0.14375	0.00184	-0.04111	0.37545	-0.0093
0.147312	0.00141	0.3813	1.31E-17	0.197093	1.79E-05	0.434701	5.99E-23	0.12782
0.166433	0.0003	0.461423	5.32E-26	-0.07159	0.12235	0.154592	0.0008	-0.06187
-0.18257	7.24E-05	0.027333	0.55573	-0.50337	2.29E-31	-0.35859	1.29E-15	-0.38124
0.111006	0.0164	0.339636	4.51E-14	-0.0723	0.11867	0.248993	4.97E-08	-0.21622
-0.16767	0.00027	0.015414	0.73972	-0.54982	3.01E-38	-0.25905	1.34E-08	-0.4584
0.137125	0.00298	0.493062	5.59E-30	-0.1455	0.00162	0.12734	0.00586	-0.07111
0.13139	0.00445	0.529337	4.41E-35	-0.12603	0.00639	0.142154	0.00207	-0.02942
-0.16357	0.00039	-0.22051	1.50E-06	0.122849	0.00787	0.022191	0.63242	0.117555
0.002075	0.96433	0.072907	0.11562	-0.26638	5.00E-09	-0.1286	0.00538	-0.25251
0.170885	0.00021	0.397961	3.58E-19	-0.13031	0.0048	0.068978	0.13664	-0.08306
0.239008	1.72E-07	0.439463	1.79E-23	-0.04861	0.29453	0.113955	0.01374	0.007929
0.040004	0.3884	0.301198	3.00E-11	-0.1775	0.00012	-0.0572	0.21731	-0.19609
0.034493	0.4571	0.372353	8.34E-17	-0.26852	3.73E-09	-0.07412	0.10966	-0.16847
0.122437	0.00808	0.424953	6.69E-22	-0.17065	0.00021	0.012623	0.78556	-0.1123
0.168094	0.00026	0.471248	3.42E-27	-0.05176	0.26431	0.135348	0.00338	0.033669
0.050757	0.27367	0.198906	1.49E-05	-0.29373	9.55E-11	-0.05912	0.20219	-0.31045
0.327814	3.68E-13	0.617372	2.09E-50	0.075167	0.10474	0.263543	7.36E-09	0.14363
-0.12837	0.00547	0.057056	0.21844	-0.49417	3.99E-30	-0.25421	2.54E-08	-0.44174
0.440959	1.22E-23	0.164624	0.00035	-0.11056	0.01684	0.027118	0.55884	-0.19103
-0.12606	0.00638	0.099942	0.03082	-0.44678	2.70E-24	-0.29657	6.18E-11	-0.35904
0.191228	3.18E-05	0.470004	4.87E-27	-0.00674	0.88449	0.161444	0.00046	0.019208
-0.03152	0.49681	0.098333	0.03363	-0.33699	7.27E-14	-0.21331	3.31E-06	-0.2578
-0.01753	0.70554	0.25152	3.60E-08	-0.18209	7.57E-05	-0.03852	0.40624	-0.09926
0.038778	0.40312	0.215031	2.74E-06	-0.20211	1.08E-05	0.039135	0.39879	-0.27957
-0.0498	0.28286	0.251023	3.83E-08	-0.43094	1.53E-22	-0.1342	0.00367	-0.36046
0.257377	1.68E-08	0.367753	2.11E-16	0.134924	0.00349	0.25044	4.13E-08	0.075544
0.198167	1.60E-05	0.378068	2.57E-17	0.007599	0.8699	0.062553	0.17718	-0.00818
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-0.26897	3.50E-09	-0.04543	0.32726	-0.66157	4.15E-60	-0.40664	5.05E-20	-0.55381
0.083771	0.07051	0.267492	4.30E-09	-0.34696	1.17E-14	-0.13412	0.00369	-0.28904
0.028041	0.54553	0.240005	1.52E-07	-0.23374	3.25E-07	-0.14306	0.00194	-0.12518
0.082609	0.07451	0.218807	1.81E-06	0.020856	0.65305	0.051164	0.26984	-0.04801
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0.043929	0.34353	0.326881	4.32E-13	-0.13694	0.00302	-0.06719	0.14712	-0.04206
0.052698	0.25573	0.339457	4.66E-14	-0.15761	0.00063	-0.06029	0.19337	-0.11054
0.053434	0.24914	0.074333	0.10866	-0.26672	4.77E-09	-0.13879	0.00265	-0.20389
0.030332	0.51319	0.324092	6.99E-13	-0.19769	1.68E-05	0.004213	0.92765	-0.04546
0.032233	0.48713	0.169094	0.00024	-0.25903	1.35E-08	-0.05805	0.21051	-0.27796
0.045628	0.32516	0.071496	0.12286	-0.19744	1.73E-05	-0.191	3.26E-05	-0.03855
0.208654	5.44E-06	0.439906	1.60E-23	0.087978	0.05746	0.22016	1.56E-06	0.063704
-0.05573	0.22936	-0.01084	0.81531	-0.38097	1.41E-17	-0.25239	3.22E-08	-0.3062
0.085604	0.06455	0.200602	1.25E-05	-0.10617	0.02175	-0.02098	0.65109	-0.07889
0.188977	3.96E-05	0.334216	1.19E-13	-0.09663	0.03684	-0.03256	0.48266	-0.04871

0.011159	0.80994	0.262	9.06E-09	-0.21711	2.18E-06	-0.07603	0.10082	-0.22279
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0.00311	0.94656	0.224194	9.86E-07	-0.20051	1.27E-05	-0.07736	0.09497	-0.10013
-0.10159	0.02815	0.190982	3.26E-05	-0.41258	1.28E-20	-0.13578	0.00328	-0.27639
0.162458	0.00042	0.41197	1.47E-20	0.037228	0.42219	0.289276	1.87E-10	-0.06443
0.26138	9.85E-09	0.404858	7.58E-20	-0.02645	0.56859	0.058384	0.20789	-0.08176
0.149626	0.00118	0.534109	8.43E-36	0.098465	0.03339	0.217402	2.11E-06	0.099268
0.085323	0.06544	0.311171	6.07E-12	-0.11681	0.01153	-0.00639	0.89045	-0.02026
0.063824	0.16852	0.396407	5.05E-19	-0.20319	9.63E-06	0.060383	0.19272	-0.10196
0.05126	0.26895	0.116408	0.01182	-0.17774	0.00011	-0.07874	0.08918	-0.24424
0.212687	3.53E-06	0.562364	2.69E-40	0.130107	0.00486	0.291335	1.37E-10	0.114808
-0.09057	0.05046	-0.04287	0.3553	-0.34694	1.18E-14	-0.13089	0.00461	-0.39433
0.086075	0.06309	0.404258	8.69E-20	-0.2443	8.97E-08	-0.01966	0.67181	-0.12962
-0.03098	0.50425	0.242382	1.14E-07	-0.41714	4.38E-21	-0.23136	4.30E-07	-0.24018
0.082082	0.07639	0.289613	1.78E-10	-0.3046	1.75E-11	-0.05091	0.27224	-0.30435
-0.01675	0.71811	0.137377	0.00293	-0.18056	8.72E-05	-0.0023	0.96047	-0.30999
0.216197	2.41E-06	0.336517	7.92E-14	-0.05866	0.20574	0.049983	0.28107	-0.08375
0.093515	0.0434	0.076476	0.09881	-0.21731	2.13E-06	-0.17644	0.00013	-0.16903
0.159238	0.00055	0.170366	0.00022	0.029418	0.52598	-0.0017	0.97076	-0.09768
0.166724	0.0003	0.50143	4.21E-31	-0.05587	0.2282	0.151961	0.00099	0.016853
-0.05613	0.22604	-0.01811	0.69621	-0.35939	1.10E-15	-0.23331	3.42E-07	-0.40483
0.168358	0.00026	0.300503	3.35E-11	-0.11531	0.01265	-0.115	0.01289	-0.06673
0.035191	0.44804	0.33731	6.86E-14	-0.12376	0.00741	-0.07471	0.10685	0.025209
0.324645	6.36E-13	0.589115	5.68E-45	0.00953	0.83726	0.2939	9.31E-11	0.053527
0.013586	0.76966	0.179112	9.95E-05	-0.16186	0.00045	-0.06225	0.17927	-0.23094
-0.00462	0.92066	-0.14016	0.0024	0.442512	8.19E-24	0.314561	3.48E-12	0.319259
0.238197	1.90E-07	0.596217	2.75E-46	0.126057	0.00638	0.322456	9.25E-13	0.120297
0.014415	0.75603	0.100136	0.03049	-0.18457	6.01E-05	-0.02724	0.55711	-0.26027
0.16871	0.00025	0.411405	1.68E-20	-0.0574	0.21567	0.066484	0.15144	-0.02694
0.039465	0.39483	0.102859	0.02623	-0.32393	7.19E-13	-0.26561	5.56E-09	-0.17663
0.029823	0.5203	-0.07287	0.11582	-0.16386	0.00038	-0.15771	0.00063	-0.08722
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0.020626	0.65662	-0.00488	0.91626	0.232507	3.76E-07	0.109931	0.01748	0.255513
0.079589	0.08579	-0.0822	0.07596	0.124998	0.00684	-0.03365	0.4682	0.077495
0.052971	0.25327	-0.05706	0.21841	0.182882	7.04E-05	0.028971	0.53229	0.205938
-0.12515	0.00677	-0.15816	0.0006	0.048767	0.29295	0.028742	0.53554	0.095095
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0.026748	0.56423	-0.00488	0.91624	0.247546	5.97E-08	0.112055	0.01541	0.269993
-0.03903	0.40006	-0.06086	0.18922	-0.01669	0.719	-0.05189	0.26308	-0.01502
-0.01105	0.81176	-0.04902	0.29045	0.002906	0.95006	-0.03302	0.47655	0.077483
-0.06784	0.14325	-0.13177	0.00434	-0.10817	0.01938	-0.16309	0.0004	-0.0007
0.024586	0.59614	0.004042	0.93058	0.216891	2.23E-06	0.08427	0.06884	0.238846
0.011147	0.81014	-0.00123	0.97885	0.25857	1.43E-08	0.116609	0.01168	0.276119

0.012775	0.78305	-0.03573	0.44112	0.100184	0.03042	0.112425	0.01507	0.131942
0.053402	0.24942	0.028705	0.53606	0.233028	3.53E-07	0.10621	0.0217	0.267943
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0.003628	0.93768	-0.06523	0.1593	0.220098	1.57E-06	0.053518	0.24839	0.255281
0.089296	0.05381	-0.00445	0.92365	0.272134	2.25E-09	0.054081	0.24344	0.288292
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0.029598	0.52345	0.010545	0.8202	0.241785	1.23E-07	0.110845	0.01656	0.264648
0.024248	0.6012	-0.0401	0.3872	0.209663	4.89E-06	0.067493	0.14532	0.236609
0.012308	0.7908	-0.02888	0.5336	0.240848	1.37E-07	0.068483	0.13949	0.296414
0.034188	0.46109	-0.02832	0.54159	0.148981	0.00124	0.05073	0.27393	0.19931
0.00114	0.9804	0.025521	0.58223	0.146472	0.0015	0.070361	0.12893	0.159833
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0.032719	0.48059	-0.11254	0.01496	0.227653	6.63E-07	0.043635	0.34677	0.199239
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0.015394	0.74004	-0.00015	0.99748	0.249004	4.96E-08	0.090037	0.05184	0.284478
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0.008678	0.85163	0.034978	0.4508	0.237781	2.00E-07	0.12088	0.00893	0.286253
0.009674	0.83484	-0.02575	0.57889	0.24742	6.06E-08	0.088162	0.05694	0.281848
-0.00964	0.83535	-0.06876	0.13787	0.205662	7.45E-06	0.030323	0.51332	0.257086
0.103254	0.02566	0.071723	0.12167	0.266649	4.82E-09	0.131757	0.00434	0.313844
0.056285	0.22473	0.014541	0.75397	0.314259	3.66E-12	0.169709	0.00023	0.285347
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0.074614	0.10732	-0.03752	0.4186	0.365659	3.21E-16	0.089717	0.05268	0.38112
0.017057	0.71313	-0.03446	0.45751	0.269311	3.34E-09	0.093434	0.04358	0.298834
0.033203	0.47411	-0.02639	0.56946	0.202036	1.08E-05	0.073622	0.11209	0.245304
0.003757	0.93546	-0.10412	0.02444	0.120867	0.00893	-0.04271	0.35711	0.14794
0.066818	0.14939	0.038551	0.40588	0.312925	4.56E-12	0.12991	0.00493	0.419506
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0.041118	0.37531	-0.05726	0.21678	0.218397	1.89E-06	0.084502	0.06808	0.262442
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0.028281	0.5421	0.023108	0.61842	0.182843	7.06E-05	0.115185	0.01275	0.193272
0.221389	1.35E-06	0.062228	0.17945	0.340115	4.13E-14	0.163527	0.00039	0.370082
0.127248	0.00589	0.106306	0.02158	0.383661	7.97E-18	0.265232	5.85E-09	0.389505
0.004305	0.92608	-0.0811	0.08	0.040207	0.38599	-0.12574	0.00651	0.144681
-0.0052	0.91075	0.003268	0.94385	0.12949	0.00507	0.011796	0.79931	0.184623
0.031491	0.49722	0.020277	0.66207	-0.00636	0.89089	-0.03675	0.42813	0.087913
0.139766	0.00247	0.349144	7.80E-15	0.19876	1.51E-05	0.180756	8.56E-05	0.284581
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0.087828	0.05789	0.082618	0.07448	0.227172	7.01E-07	0.10162	0.0281	0.261075
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0.153188	0.0009	0.073695	0.11173	0.161821	0.00045	0.125889	0.00645	0.258426
0.144512	0.00174	-0.0163	0.72529	0.085207	0.0658	0.034826	0.45277	0.132348
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0.058096	0.21014	-0.05755	0.21447	0.141732	0.00214	0.100321	0.03019	0.06099
0.079959	0.08434	-0.05478	0.23741	0.127671	0.00573	0.014627	0.75256	0.117274
0.158313	0.0006	-0.06222	0.17953	0.141658	0.00215	0.026273	0.57117	0.157691
0.138794	0.00265	0.160484	0.0005	0.340872	3.60E-14	0.38255	1.01E-17	0.301343
0.084303	0.06874	0.020646	0.65631	0.207118	6.40E-06	0.115814	0.01226	0.253204
-0.0135	0.7711	0.041056	0.37604	0.202897	9.92E-06	0.084063	0.06953	0.298223
-0.02301	0.61988	-0.10506	0.02317	0.112902	0.01464	-0.02075	0.65477	0.187488
0.057777	0.21267	0.014152	0.76034	0.261051	1.03E-08	0.135939	0.00325	0.27631
0.162394	0.00043	0.090834	0.04979	0.246517	6.79E-08	0.218162	1.94E-06	0.254602
0.012034	0.79536	0.000847	0.98544	0.215963	2.47E-06	0.101723	0.02794	0.239555
0.14179	0.00213	0.029721	0.52172	0.355776	2.21E-15	0.203274	9.54E-06	0.321838
-0.00974	0.83373	-0.05885	0.20429	0.168732	0.00025	0.05087	0.27261	0.19802
0.000511	0.99122	-0.02236	0.6298	0.196429	1.91E-05	0.058053	0.21049	0.227151
-0.02286	0.62227	-0.02699	0.56064	0.096497	0.03711	0.040413	0.38357	0.134377
0.035598	0.4428	0.060913	0.18883	0.192017	2.95E-05	0.131272	0.00449	0.192172
-0.02204	0.6347	-0.06123	0.18653	0.211359	4.08E-06	0.060163	0.19435	0.24213
0.041832	0.36708	0.023421	0.61367	0.247893	5.71E-08	0.154532	0.00081	0.209411
0.051254	0.26901	-0.04855	0.2951	0.21065	4.40E-06	0.062216	0.17953	0.257336
-0.15818	0.0006	-0.11859	0.01032	0.060197	0.19409	0.01189	0.79775	0.100498
0.020913	0.65215	0.013602	0.76939	0.280879	6.48E-10	0.131901	0.0043	0.305124
-0.03057	0.50989	-0.13896	0.00262	0.044736	0.33472	-0.0101	0.82766	0.087166
0.062664	0.17642	0.076075	0.10059	0.337374	6.79E-14	0.293433	9.99E-11	0.320339
0.109433	0.018	0.269429	3.29E-09	0.251231	3.73E-08	0.274654	1.58E-09	0.257397
0.047338	0.30734	0.230655	4.67E-07	0.113893	0.01379	0.35088	5.63E-15	0.021538
0.041401	0.37204	0.07312	0.11456	0.27313	1.96E-09	0.19342	2.57E-05	0.256195
-0.06675	0.14978	-0.03034	0.51308	0.042233	0.36249	0.066917	0.14879	0.067529
0.079336	0.08679	0.042613	0.35819	0.374549	5.32E-17	0.210226	4.60E-06	0.373814
0.097149	0.03584	0.041139	0.37508	0.386358	4.49E-18	0.180028	9.15E-05	0.384038
0.070445	0.12848	0.048113	0.29948	0.355995	2.12E-15	0.203219	9.60E-06	0.350488
-0.03776	0.41564	-0.05449	0.23991	0.040563	0.3818	0.023857	0.60708	0.101376
0.053174	0.25145	-0.12117	0.00877	0.259201	1.32E-08	0.011769	0.79976	0.281489
0.079302	0.08693	0.023198	0.61705	0.233952	3.17E-07	0.055636	0.23014	0.268345
-0.01559	0.73678	0.009007	0.84608	0.142692	0.00199	0.07476	0.10663	0.102499
0.067279	0.1466	0.211001	4.24E-06	0.30134	2.94E-11	0.310974	6.27E-12	0.347132
0.293133	1.05E-10	0.320597	1.27E-12	0.50191	3.62E-31	0.414121	8.91E-21	0.51422
0.009378	0.83983	0.030791	0.50683	0.17041	0.00022	0.092514	0.0457	0.172844
0.028672	0.53653	0.028166	0.54374	0.231448	4.26E-07	0.175012	0.00014	0.228339
0.105855	0.02215	0.129542	0.00505	0.111786	0.01566	0.055867	0.2282	0.159816
0.07229	0.11875	-0.102	0.02753	0.045537	0.32614	-0.08698	0.06036	0.093284
0.006203	0.89364	-0.00096	0.98352	-0.1475	0.00139	-0.13263	0.00409	-0.25069
0.066358	0.15222	-0.01171	0.80067	0.352206	4.38E-15	0.187851	4.41E-05	0.31972
0.163331	0.00039	0.194156	2.39E-05	0.37582	4.10E-17	0.320747	1.24E-12	0.363885
-0.02725	0.55688	0.018239	0.69423	0.08276	0.07398	0.155955	0.00072	0.036249
-0.02981	0.52048	0.078839	0.08879	0.147476	0.00139	0.206246	7.01E-06	0.178923
0.002235	0.96159	-0.03065	0.50882	0.09391	0.04251	0.015893	0.73193	0.125946

0.021981	0.63565	-0.01952	0.67401	0.139055	0.0026	0.048474	0.29587	0.168248
-0.09232	0.04615	-0.07285	0.1159	-0.16417	0.00037	-0.19457	2.30E-05	-0.01023
-0.00801	0.86299	-0.07607	0.10063	0.109506	0.01792	-0.0142	0.75951	0.131415
0.182075	7.58E-05	-0.01344	0.77205	0.374787	5.07E-17	0.099284	0.03194	0.349842
0.055335	0.23267	-0.01481	0.74964	0.227391	6.84E-07	0.141056	0.00225	0.22781
0.140425	0.00235	0.114041	0.01367	0.326137	4.92E-13	0.190085	3.56E-05	0.326374
0.088766	0.05525	-0.03591	0.43886	0.184315	6.16E-05	0.093804	0.04275	0.215991
0.052256	0.25974	0.122597	0.008	-0.05322	0.25107	-0.01517	0.74368	-0.14111
-0.0049	0.91593	-0.01177	0.7997	0.203918	8.93E-06	0.078039	0.09209	0.231606
-0.07434	0.10862	-0.06125	0.18642	0.110105	0.0173	0.030036	0.51731	0.093342
0.051974	0.26232	0.007234	0.87611	0.225242	8.75E-07	0.071977	0.12035	0.286255
-0.0083	0.85808	-0.06186	0.18207	0.215521	2.60E-06	0.055421	0.23194	0.270694
0.019763	0.67012	-0.12916	0.00518	0.192571	2.79E-05	0.082818	0.07378	0.200364
0.011877	0.79797	-0.04756	0.30508	0.158072	0.00061	0.026576	0.56674	0.242327
0.100203	0.03038	0.083698	0.07076	0.304481	1.79E-11	0.152265	0.00096	0.312686
-0.03766	0.41685	-0.2498	4.48E-08	0.112568	0.01494	-0.05879	0.20473	0.119558
0.139865	0.00245	0.218869	1.80E-06	0.370332	1.26E-16	0.306841	1.22E-11	0.348092
-0.2108	4.33E-06	-0.19992	1.34E-05	-0.29332	1.02E-10	-0.14839	0.0013	-0.34667
0.022335	0.63021	-0.00862	0.85264	0.233671	3.27E-07	0.086884	0.06064	0.274827
0.043967	0.34311	0.008687	0.85148	0.252985	2.98E-08	0.123933	0.00733	0.299855
-0.01234	0.79025	0.05683	0.22027	0.109687	0.01773	0.090183	0.05146	0.157718
0.037113	0.42363	-0.02412	0.60307	0.173402	0.00017	0.06967	0.13274	0.203395
0.044853	0.33345	0.033758	0.46675	0.121311	0.00868	0.055962	0.22741	0.184419
0.017487	0.70624	-0.0243	0.60041	0.213318	3.30E-06	0.078092	0.09187	0.240671
0.018694	0.687	-0.03208	0.48923	0.135523	0.00334	0.015766	0.734	0.235341
0.040088	0.3874	0.04697	0.31113	-0.05091	0.27219	0.036447	0.432	-0.02619
0.259064	1.34E-08	0.10465	0.02372	0.158385	0.00059	0.17022	0.00022	0.191831
0.093552	0.04331	0.052281	0.25952	0.16863	0.00025	0.067943	0.14264	0.201193
0.122825	0.00788	-0.09364	0.0431	0.266481	4.93E-09	0.037446	0.41948	0.283889
0.010713	0.81739	0.12525	0.00673	0.135446	0.00336	0.199933	1.34E-05	0.161958
0.005213	0.91054	-0.02435	0.59968	0.224693	9.32E-07	0.061695	0.18321	0.277561
0.113876	0.0138	0.026844	0.56282	0.265012	6.03E-09	0.122524	0.00803	0.287822
0.114877	0.01299	0.09433	0.04159	0.153946	0.00084	0.004163	0.92851	0.22546
0.064413	0.16462	-0.00485	0.91667	0.17641	0.00013	0.021878	0.63722	0.214052
0.002883	0.95046	-0.05035	0.27753	0.294737	8.19E-11	0.15712	0.00066	0.281171
8.15E-05	0.9986	-0.02226	0.63136	0.22821	6.22E-07	0.093421	0.04361	0.272646
0.002041	0.96492	0.097865	0.03449	0.116324	0.01188	0.072843	0.11595	0.199035
0.044932	0.33261	-0.00701	0.87995	0.171907	0.00019	0.060126	0.19462	0.20171
-0.06735	0.14616	0.045968	0.32157	0.056541	0.22263	0.167388	0.00028	0.079851
0.246902	6.47E-08	0.391688	1.42E-18	0.454415	3.57E-25	0.4326	1.01E-22	0.447241
0.07339	0.11322	0.078721	0.08927	0.310791	6.46E-12	0.196956	1.81E-05	0.331195
-0.0154	0.73993	-0.08362	0.07102	0.183808	6.45E-05	0.041027	0.37638	0.223196
0.034958	0.45106	0.064284	0.16547	0.213364	3.28E-06	0.116574	0.0117	0.274984
-0.00304	0.94779	-0.04642	0.31682	0.243915	9.41E-08	0.160467	0.0005	0.234204
-0.00435	0.92525	-0.02315	0.61781	0.199493	1.40E-05	0.113866	0.01381	0.203582

0.007793	0.86662	-0.02972	0.52179	0.226517	7.56E-07	0.070788	0.12662	0.277273
0.051657	0.26525	-0.0206	0.65698	0.177667	0.00011	0.08299	0.07318	0.230391
0.04419	0.34066	-0.02713	0.55867	0.133714	0.00379	0.025429	0.5836	0.143419
-0.00014	0.99757	0.279607	7.79E-10	0.09632	0.03746	0.245942	7.30E-08	-0.0079
0.00803	0.8626	0.041302	0.37318	0.028396	0.54045	-0.04987	0.28219	0.174263
-0.00324	0.94438	-0.02764	0.55128	0.190857	3.30E-05	0.084831	0.06701	0.239358
0.25861	1.42E-08	0.251746	3.49E-08	0.345546	1.53E-14	0.306183	1.36E-11	0.392966
-0.03149	0.49726	-0.03707	0.42416	0.255801	2.06E-08	0.163871	0.00038	0.263524
0.014033	0.7623	-0.03836	0.40825	0.223076	1.12E-06	0.108103	0.01945	0.200836
0.037127	0.42346	0.061313	0.18594	0.229236	5.52E-07	0.213155	3.36E-06	0.21456
0.078374	0.0907	0.073645	0.11197	0.262242	8.77E-09	0.188552	4.12E-05	0.223364
0.062441	0.17796	-0.00387	0.93347	0.257992	1.55E-08	0.109811	0.0176	0.272924
0.037675	0.41664	0.025645	0.5804	0.270494	2.84E-09	0.14789	0.00135	0.279106
0.11687	0.01149	0.097171	0.0358	0.265887	5.35E-09	0.175903	0.00013	0.258393
0.095267	0.0396	0.067533	0.14507	0.302246	2.55E-11	0.189585	3.73E-05	0.273835
0.175526	0.00014	0.137926	0.00282	0.283532	4.40E-10	0.287147	2.58E-10	0.280382
-0.03323	0.47374	-0.04725	0.30821	0.138404	0.00272	0.031115	0.50237	0.195031
0.056905	0.21966	0.129654	0.00501	0.132521	0.00412	0.079075	0.08784	0.21892
0.168856	0.00025	0.281475	5.94E-10	0.0187	0.6869	0.103754	0.02495	0.049094
-0.03004	0.51731	-0.08842	0.05621	0.160933	0.00048	0.038779	0.40311	0.147084
0.184756	5.91E-05	0.061527	0.1844	0.440631	1.33E-23	0.225685	8.32E-07	0.410989
0.060248	0.19371	-0.04587	0.32265	0.288725	2.04E-10	0.144025	0.00181	0.289367
0.03894	0.40116	0.00286	0.95086	0.211529	4.00E-06	0.055443	0.23176	0.296156
-0.15002	0.00115	-0.02881	0.53459	-0.29251	1.15E-10	-0.20465	8.27E-06	-0.26185
0.067575	0.14483	-0.02452	0.59709	0.13225	0.0042	5.34E-05	0.99908	0.174646
0.131884	0.00431	0.367864	2.07E-16	0.236773	2.26E-07	0.394092	8.41E-19	0.250636
0.148919	0.00125	0.161138	0.00047	0.241596	1.25E-07	0.177228	0.00012	0.231276
0.040088	0.3874	-0.01965	0.67194	0.185728	5.39E-05	0.061789	0.18255	0.19042
0.005181	0.91108	-0.00668	0.88551	0.132313	0.00418	0.041133	0.37514	0.139862
-0.10551	0.02258	-0.15385	0.00085	0.024536	0.59688	0.055577	0.23063	0.047356
0.007048	0.87926	-0.08274	0.07405	0.049769	0.28314	-0.01115	0.81001	0.0939
-0.05189	0.26311	-0.07175	0.12153	0.0757	0.10229	0.026622	0.56607	0.148565
0.00054	0.99072	-0.01799	0.69819	0.134613	0.00356	0.049523	0.28553	0.195775
-0.01005	0.82853	-0.08346	0.07156	0.020921	0.65203	0.050123	0.27972	0.011412
0.05591	0.22784	0.020427	0.65973	0.230541	4.74E-07	0.061541	0.18431	0.300284
0.040701	0.38018	-0.05314	0.25175	0.123794	0.0074	0.001449	0.97509	0.155785
-0.16366	0.00038	-0.18882	4.02E-05	-0.10557	0.0225	-0.2019	1.10E-05	-0.02193
0.099388	0.03177	0.055716	0.22947	0.08408	0.06947	0.054455	0.24019	0.112764
-0.00908	0.84489	0.025996	0.57522	0.123466	0.00756	0.070223	0.12969	0.106844
-0.04529	0.32872	-0.16217	0.00043	0.221833	1.29E-06	0.038846	0.40229	0.231088
0.082031	0.07657	-0.01024	0.82531	-0.09939	0.03175	-0.16132	0.00047	-0.10919
0.104287	0.02421	0.068127	0.14156	0.228006	6.37E-07	0.124374	0.00712	0.239964
-0.08654	0.06168	-0.04457	0.33653	0.15817	0.0006	0.124552	0.00704	0.198044
0.107816	0.01978	-0.02404	0.60426	0.017776	0.70162	-0.01995	0.66713	-0.05992
0.048789	0.29273	-0.02971	0.52193	-0.00588	0.8991	-0.06724	0.14681	0.111832

0.104202	0.02433	0.097878	0.03447	-0.10929	0.01815	0.011738	0.80028	-0.20507
0.039962	0.3889	0.024424	0.59856	0.175898	0.00013	0.067782	0.14359	0.24165
0.022704	0.62457	-0.1413	0.00221	0.03725	0.42192	-0.07674	0.09765	0.034595
0.009745	0.83364	-0.01795	0.69882	0.173978	0.00016	0.09781	0.03459	0.186064
0.034759	0.45364	-0.15147	0.00103	0.072363	0.11837	-0.0518	0.26391	0.040218
0.012817	0.78236	0.007866	0.86537	0.120974	0.00887	0.047987	0.30075	0.164075
0.188485	4.15E-05	-0.0027	0.95351	0.351621	4.89E-15	0.192175	2.90E-05	0.314808
0.002523	0.95663	-0.02527	0.58589	0.221253	1.38E-06	0.048894	0.2917	0.260948
0.093951	0.04242	0.039467	0.3948	0.3513	5.20E-15	0.192925	2.70E-05	0.350194
-0.00364	0.93739	-0.02397	0.60543	0.252893	3.01E-08	0.092322	0.04615	0.282942
-0.01383	0.76558	-0.02067	0.65586	0.008056	0.86215	0.018828	0.68487	0.030285
0.008257	0.85876	-0.02446	0.598	0.214723	2.83E-06	0.073499	0.11269	0.262893
-0.17774	0.00011	-0.12763	0.00574	-0.19911	1.46E-05	-0.0558	0.2288	-0.22544
-0.08818	0.05688	-0.01138	0.80623	-0.07218	0.11929	-0.08039	0.08266	0.017947
-0.00117	0.97987	-0.03113	0.50212	0.161347	0.00046	0.031176	0.50154	0.250762
-0.10045	0.02998	-0.16586	0.00032	-0.00572	0.9019	-0.04423	0.3402	0.080024
0.006546	0.8878	-0.00491	0.91576	0.154248	0.00082	0.05849	0.20707	0.168477
0.015893	0.73194	-0.00644	0.88956	0.157667	0.00063	0.048042	0.30019	0.206866
-0.04291	0.35481	-0.03545	0.44465	0.240808	1.38E-07	0.158797	0.00057	0.287374
-0.04704	0.31041	-0.02778	0.54923	0.097855	0.03451	-0.04477	0.33438	0.217264
0.177753	0.00011	0.072355	0.11841	0.201999	1.09E-05	0.098967	0.0325	0.265774
-0.05748	0.21506	-0.05691	0.2196	0.08324	0.07231	0.035158	0.44847	0.112287
0.253548	2.77E-08	0.340681	3.73E-14	0.255788	2.07E-08	0.213867	3.11E-06	0.306846
-0.01258	0.7863	-0.03156	0.49632	0.207992	5.83E-06	0.083307	0.07208	0.220695
-0.01994	0.66737	-0.04836	0.29704	0.118905	0.01012	0.044717	0.33493	0.148712
-0.01253	0.78712	-0.01756	0.70511	0.068437	0.13975	0.03766	0.41683	0.049848
0.045131	0.33047	-0.00945	0.83858	0.048735	0.29327	-0.02285	0.62231	0.12599
0.019225	0.6786	0.013468	0.7716	0.056467	0.22324	0.005666	0.90281	0.138761
0.046062	0.32058	-0.06757	0.14485	0.357805	1.50E-15	0.285121	3.48E-10	0.298378
-0.01731	0.70915	-0.03131	0.49975	0.135772	0.00328	0.036351	0.43322	0.159381
-0.04089	0.378	-0.1136	0.01404	0.021945	0.6362	-0.04441	0.33829	0.030002
0.314597	3.46E-12	0.340882	3.60E-14	0.481924	1.57E-28	0.407969	3.72E-20	0.439173
0.115809	0.01227	0.078542	0.09	0.344176	1.97E-14	0.159153	0.00056	0.338132
-0.00914	0.8439	-0.0676	0.14465	0.142636	0.002	0.002435	0.95815	0.217915
0.387267	3.70E-18	0.227012	7.14E-07	0.310262	7.04E-12	0.234714	2.89E-07	0.34753
0.020984	0.65106	0.06089	0.189	0.304686	1.73E-11	0.199138	1.46E-05	0.313227
-0.16375	0.00038	-0.24754	5.98E-08	-0.12087	0.00893	-0.15706	0.00066	-0.06981
0.101726	0.02794	-0.01245	0.78845	0.271867	2.34E-09	0.160827	0.00048	0.268276
-0.01905	0.68138	-0.06142	0.18521	0.071003	0.12547	-0.03816	0.41063	0.155998
-0.05179	0.26399	-0.16441	0.00036	0.054166	0.2427	-0.10843	0.01909	0.129355
0.147282	0.00141	-0.08042	0.08254	0.324874	6.11E-13	0.094587	0.04104	0.334456
0.078216	0.09135	0.012995	0.77942	0.080192	0.08343	0.037223	0.42226	0.118495
0.111053	0.01636	0.122498	0.00805	0.355064	2.54E-15	0.268613	3.68E-09	0.376534
0.097966	0.0343	0.059603	0.19854	0.182585	7.23E-05	0.107996	0.01958	0.18138
-0.02286	0.62211	0.160128	0.00051	-0.09706	0.036	0.01931	0.67725	-0.09361



0.088302	0.05654	-0.07005	0.13062	0.129607	0.00503	0.03405	0.46291	0.169516
0.00983	0.83221	-0.05322	0.25107	0.110441	0.01696	0.046699	0.31393	0.152824
0.002686	0.95384	-0.05114	0.27007	0.097822	0.03457	0.051607	0.26571	0.122684
0.01132	0.80725	-0.04755	0.30515	0.158011	0.00061	0.028699	0.53614	0.207325
0.076359	0.09933	-0.01746	0.70667	0.178019	0.00011	0.141611	0.00216	0.161322
0.017422	0.70727	0.148307	0.00131	0.1509	0.00107	0.178861	0.0001	0.157258
0.238898	1.75E-07	0.090757	0.04999	0.274151	1.70E-09	0.145719	0.00159	0.339769
0.168163	0.00026	0.02502	0.58967	0.297333	5.49E-11	0.251519	3.60E-08	0.256018
-0.0639	0.16799	-0.10301	0.02601	0.13806	0.00279	0.025189	0.58715	0.204527
0.100725	0.02953	0.038916	0.40144	0.146032	0.00155	0.014109	0.76105	0.221729
0.029112	0.53029	0.015519	0.73801	0.145924	0.00157	0.035858	0.43949	0.173276
-0.19035	3.47E-05	-0.21574	2.53E-06	0.039416	0.39541	-0.08268	0.07428	0.084783
0.089931	0.05212	0.062394	0.17829	0.185457	5.53E-05	0.051459	0.26709	0.331151
0.067302	0.14646	0.020446	0.65942	0.296873	5.89E-11	0.153174	0.0009	0.32399
0.122057	0.00828	0.069388	0.13432	0.2227	1.17E-06	0.128858	0.00529	0.223786
0.016159	0.72763	-0.05305	0.25255	0.24287	1.07E-07	0.09907	0.03232	0.250769
-0.14349	0.00188	-0.12199	0.00831	-0.31187	5.42E-12	-0.25752	1.65E-08	-0.25084
0.022794	0.6232	0.040595	0.38143	0.179496	9.61E-05	0.17045	0.00022	0.216266
0.052958	0.25338	-0.09371	0.04295	0.092279	0.04625	-0.02647	0.56826	0.160767
0.047489	0.3058	-0.0053	0.90912	0.237799	1.99E-07	0.079691	0.08539	0.277767
0.050222	0.27877	-0.07034	0.12907	0.145624	0.0016	0.061676	0.18335	0.169139
0.02449	0.59758	-0.0093	0.84115	0.195811	2.03E-05	0.067507	0.14523	0.221863
0.122029	0.00829	0.021626	0.64111	0.186786	4.88E-05	0.037837	0.41464	0.26985
0.056435	0.2235	0.03991	0.38951	0.13877	0.00265	0.054344	0.24116	0.220873
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0.031653	0.495	0.127216	0.00591	0.089182	0.05411	0.077751	0.0933	0.18539
0.026541	0.56725	0.014996	0.74653	0.191855	3.00E-05	0.089398	0.05353	0.227061
0.026937	0.56148	0.122368	0.00811	0.07841	0.09055	0.058348	0.20818	0.129754
0.012472	0.78807	-0.03006	0.51698	0.14455	0.00174	0.050627	0.27491	0.139464
-0.01648	0.72248	-0.02377	0.60843	0.193047	2.67E-05	0.063335	0.17182	0.227685
0.039396	0.39566	-0.02727	0.55657	0.052328	0.25908	0.011102	0.81088	0.09064
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-0.03603	0.43735	-0.09423	0.04182	0.150821	0.00108	-0.00158	0.97292	0.196849
0.095681	0.03875	-0.02886	0.53385	0.195032	2.19E-05	0.219593	1.66E-06	0.186959
0.02281	0.62296	-0.03063	0.50905	0.222275	1.23E-06	0.086876	0.06067	0.260421
0.020537	0.65801	-0.00415	0.92878	0.273538	1.85E-09	0.121483	0.00859	0.324328
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0.062376	0.17842	0.004353	0.92526	0.128328	0.00548	0.026772	0.56387	0.181396
0.001113	0.98086	-0.09584	0.03842	0.162693	0.00042	-0.02234	0.63019	0.209062
-0.02157	0.64194	-0.07337	0.1133	0.077427	0.09468	-0.04954	0.28538	0.175336
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0.203122	9.69E-06	0.087293	0.05944	0.342504	2.67E-14	0.162129	0.00044	0.356138
-0.02288	0.62184	-0.06057	0.19131	0.180907	8.44E-05	0.052164	0.26058	0.214701
0.030783	0.50695	-0.0455	0.3265	0.264846	6.17E-09	0.068089	0.14178	0.317845

0.019432	0.67533	-0.04549	0.32668	0.236182	2.42E-07	0.104257	0.02425	0.20674
-0.13931	0.00255	-0.19531	2.13E-05	-0.32398	7.13E-13	-0.26152	9.66E-09	-0.22608
0.013815	0.76589	-0.02378	0.6082	0.079183	0.0874	-0.03133	0.49937	0.158399
0.029418	0.52598	-0.00881	0.84942	-0.07195	0.12048	-0.03982	0.39065	-0.02265
-0.03696	0.42555	-0.12311	0.00774	-0.04168	0.36877	-0.13884	0.00264	0.033328
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0.098527	0.03328	0.006927	0.88133	0.271001	2.64E-09	0.119051	0.01002	0.272637
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0.021501	0.64304	-0.02007	0.66531	0.269505	3.25E-09	0.200718	1.24E-05	0.24355
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0.036764	0.42801	-0.00197	0.9662	0.261223	1.01E-08	0.120461	0.00917	0.284544
0.062874	0.17496	0.037118	0.42356	0.182909	7.02E-05	0.158924	0.00057	0.131802
0.014819	0.74943	0.01867	0.68737	0.197464	1.72E-05	0.062243	0.17934	0.257811
0.033147	0.47486	0.005796	0.90059	0.112544	0.01496	-0.03437	0.45869	0.120874
-0.05405	0.24373	-0.02565	0.58033	0.16139	0.00046	0.086677	0.06126	0.172046
-0.04847	0.29591	-0.03623	0.4348	0.207985	5.84E-06	0.120408	0.0092	0.201034
-0.10527	0.0229	-0.06976	0.13223	0.198017	1.63E-05	0.183328	6.75E-05	0.182233
0.026448	0.56861	-0.03869	0.40416	0.239374	1.65E-07	0.075232	0.10444	0.287736
0.006075	0.89583	0.127916	0.00564	0.043137	0.35231	0.065638	0.15672	0.118811
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0.095209	0.03972	0.014705	0.75129	0.227718	6.58E-07	0.105002	0.02325	0.285781
0.001829	0.96856	0.024781	0.59322	0.145373	0.00163	0.081148	0.07981	0.193413
0.028424	0.54006	0.0635	0.1707	0.118369	0.01046	0.063699	0.16936	0.227388
0.091645	0.04778	0.001963	0.96626	0.149105	0.00123	-0.01645	0.72287	0.234927
0.004975	0.91462	-0.11237	0.01512	0.116018	0.01211	0.015368	0.74046	0.07401
0.133093	0.00396	0.029337	0.52711	0.243698	9.67E-08	0.128168	0.00554	0.255107
0.196196	1.95E-05	0.230996	4.49E-07	-0.00744	0.87267	0.036734	0.42838	0.057932
0.013264	0.77497	-0.00466	0.92001	0.228983	5.68E-07	0.096204	0.03769	0.182816
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0.019476	0.67464	0.019851	0.66874	0.164874	0.00035	0.073788	0.11128	0.196718
0.015591	0.73685	0.053067	0.25241	0.186762	4.89E-05	0.127739	0.0057	0.196249
0.073173	0.1143	0.078134	0.09169	-0.19202	2.95E-05	-0.06116	0.18706	-0.14738
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0.06424	0.16576	0.021441	0.64397	0.16531	0.00033	0.003618	0.93784	0.215974
0.001479	0.97457	-0.03136	0.499	0.20923	5.12E-06	0.09654	0.03702	0.23708
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0.087442	0.059	-0.16055	0.0005	0.060683	0.19051	-0.0679	0.1429	0.066817
0.047106	0.30973	-0.04996	0.28131	0.276255	1.26E-09	0.057527	0.21465	0.303861
0.010963	0.81321	-0.01942	0.67549	0.208573	5.49E-06	0.069985	0.13099	0.240239
-0.01322	0.77563	-0.025	0.58999	0.17331	0.00017	0.076885	0.09701	0.210734
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0.013649	0.76863	0.037603	0.41753	0.207701	6.01E-06	0.112435	0.01506	0.196591
0.003747	0.93563	0.030277	0.51396	0.13628	0.00317	0.047887	0.30177	0.187371

-0.01519	0.74339	-0.01505	0.74567	0.206822	6.60E-06	0.068157	0.14138	0.248301
0.021213	0.6475	0.000909	0.98438	0.146625	0.00149	0.081666	0.0779	0.133561
0.001944	0.96658	-0.029	0.53188	0.234627	2.92E-07	0.091844	0.0473	0.263476
0.050296	0.27806	0.035249	0.44729	0.186012	5.25E-05	0.110746	0.01666	0.192441
0.073103	0.11465	0.000486	0.99165	0.285444	3.32E-10	0.084635	0.06765	0.257571
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0.087179	0.05977	-0.02011	0.66471	0.314028	3.80E-12	0.118966	0.01008	0.352839
0.125747	0.00651	0.107858	0.01973	0.178847	0.0001	0.077684	0.09358	0.209242
0.057945	0.21134	0.002878	0.95054	-0.2083	5.65E-06	-0.13498	0.00347	-0.14922
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0.162402	0.00043	-0.03062	0.50924	0.305781	1.45E-11	0.09669	0.03673	0.251424
0.038381	0.40796	-0.02129	0.64625	0.047706	0.30359	-0.05983	0.19685	0.156967
0.076954	0.09671	0.119655	0.00965	0.220572	1.49E-06	0.077226	0.09554	0.29992
0.012743	0.78359	0.021348	0.6454	0.136004	0.00323	0.08021	0.08336	0.170631
0.08066	0.08164	0.071638	0.12212	0.229126	5.59E-07	0.103381	0.02548	0.244455
0.109357	0.01808	0.159336	0.00055	0.186795	4.87E-05	0.08998	0.05199	0.310531
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-0.04542	0.32736	-0.16397	0.00037	0.107265	0.02042	-0.0606	0.1911	0.147506
0.009255	0.84189	-0.02253	0.62718	0.240848	1.37E-07	0.083155	0.07261	0.278659
0.091233	0.04879	0.12597	0.00641	-0.00122	0.97908	0.022179	0.63261	-0.00291
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0.087304	0.0594	0.075724	0.10218	0.395512	6.15E-19	0.164399	0.00036	0.365522
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0.050797	0.2733	0.05514	0.23433	0.109979	0.01743	0.061323	0.18587	0.124313
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0.150159	0.00113	0.166738	0.0003	0.295735	7.02E-11	0.182094	7.57E-05	0.311771
0.040247	0.38552	-0.00116	0.97998	0.210075	4.68E-06	0.098602	0.03315	0.262193
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0.196243	1.95E-05	-0.09354	0.04334	0.124487	0.00707	-0.01365	0.76864	0.161157
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0.08229	0.07564	0.021521	0.64273	0.117938	0.01075	0.137664	0.00287	0.166086
0.08672	0.06113	-0.03041	0.51208	0.195176	2.16E-05	0.03311	0.47536	0.295675
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0.008844	0.84883	0.10231	0.02705	0.202093	1.08E-05	0.172937	0.00017	0.20081
0.181061	8.33E-05	0.166977	0.00029	0.378883	2.17E-17	0.341974	2.95E-14	0.342276
0.031733	0.49391	0.071031	0.12532	0.102119	0.02734	0.061379	0.18547	0.26176
0.113516	0.01411	0.092355	0.04607	0.244043	9.26E-08	0.165444	0.00033	0.245858
0.021374	0.645	-0.01476	0.75046	0.132085	0.00425	0.013143	0.77697	0.136483

0.019839	0.66894	0.049481	0.28594	0.208465	5.55E-06	0.14672	0.00148	0.238434
0.011502	0.80421	0.10834	0.01919	0.112113	0.01535	0.149671	0.00118	0.163492
0.07455	0.10763	0.110153	0.01725	0.224321	9.72E-07	0.154673	0.0008	0.242104
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0.017776	0.70161	0.04202	0.36492	0.15884	0.00057	0.057486	0.21498	0.238676
0.021824	0.63806	0.198321	1.58E-05	0.13497	0.00347	0.181766	7.80E-05	0.251791
0.065759	0.15596	0.115633	0.0124	0.074166	0.10946	0.026599	0.56639	0.173867
-0.03722	0.42235	-0.00975	0.83362	-0.17812	0.00011	-0.08075	0.08132	-0.1812
-0.03186	0.49223	-0.01203	0.79541	0.171951	0.00019	0.10073	0.02952	0.195797
0.003613	0.93794	-0.03082	0.50638	0.225551	8.45E-07	0.067079	0.1478	0.257921
0.092162	0.04653	-0.05155	0.26626	0.228211	6.22E-07	-0.00578	0.90081	0.231599
0.021044	0.65012	0.027939	0.54699	0.152877	0.00092	0.088485	0.05603	0.10785
-0.03953	0.39405	-0.19749	1.72E-05	0.202607	1.02E-05	0.038511	0.40636	0.196079
0.216706	2.28E-06	0.116226	0.01196	0.516418	3.41E-33	0.36335	5.07E-16	0.475718
-0.00536	0.908	-0.04268	0.35741	0.097968	0.0343	-0.01191	0.79736	0.177519
0.126705	0.00611	0.136349	0.00315	0.242702	1.09E-07	0.244183	9.10E-08	0.412564
0.118753	0.01021	-0.02344	0.61341	0.182821	7.08E-05	0.125774	0.0065	0.149169
-0.00711	0.87813	-0.04285	0.35553	0.127138	0.00594	0.020456	0.65927	0.174579
0.143332	0.0019	0.248197	5.50E-08	0.364891	3.74E-16	0.314568	3.47E-12	0.401145
0.01468	0.7517	-0.0557	0.22956	0.121188	0.00875	0.011176	0.80965	0.145685
-0.10032	0.03018	-0.07951	0.08611	0.15032	0.00112	0.138586	0.00269	0.137605
0.002085	0.96415	-0.05056	0.27553	0.111666	0.01577	-0.04909	0.28977	0.198885
0.090384	0.05094	-0.00645	0.88947	0.258262	1.49E-08	0.164517	0.00036	0.172089
0.032586	0.48237	-0.02891	0.5331	0.237095	2.17E-07	0.093086	0.04437	0.247188
0.216829	2.25E-06	0.299388	3.99E-11	-0.05651	0.22289	-0.04186	0.36675	-0.01089
-0.00219	0.96231	-0.00661	0.88679	0.083483	0.07148	0.002098	0.96393	0.138272
-0.02395	0.60575	-0.02332	0.61526	0.155308	0.00076	0.138172	0.00277	0.174123
0.07114	0.12474	-0.07892	0.08847	-0.2784	9.26E-10	-0.2336	3.30E-07	-0.20725
0.061345	0.18572	0.074386	0.1084	-0.12633	0.00626	0.008112	0.86121	-0.30259
-0.00552	0.90538	-0.01317	0.77645	0.206866	6.57E-06	0.083788	0.07045	0.252765
0.047286	0.30787	0.007985	0.86336	0.108004	0.01957	0.020525	0.6582	0.17552
-0.01792	0.69939	0.031437	0.49796	0.021039	0.6502	0.071458	0.12306	-0.12946
0.074591	0.10743	0.023985	0.60515	0.127572	0.00577	0.057526	0.21466	0.163318
0.010553	0.82007	0.023518	0.61221	0.162432	0.00042	0.082946	0.07333	0.181804
-0.1241	0.00725	-0.04214	0.36355	0.107965	0.01961	0.117155	0.01129	0.093422
0.006755	0.88425	-0.07383	0.11106	0.086979	0.06036	0.023146	0.61783	0.096354
-0.04422	0.34036	-0.03614	0.43592	-0.04485	0.33349	-0.06867	0.13839	0.07464
0.169758	0.00023	0.121264	0.00871	0.355235	2.46E-15	0.257621	1.62E-08	0.406548
-0.00874	0.85058	-0.13172	0.00435	0.048613	0.29448	-0.10755	0.02008	0.067444
-0.1545	0.00081	-0.18971	3.69E-05	-0.12007	0.0094	-0.1146	0.01321	-0.05617
0.001375	0.97636	-0.08998	0.052	0.13581	0.00328	0.037556	0.41811	0.150256
0.032703	0.48081	-0.02003	0.66592	0.141937	0.00211	0.050112	0.27982	0.164439
0.002513	0.95681	-0.00363	0.93759	0.097773	0.03466	0.041294	0.37327	0.117139
-0.02636	0.56992	-0.08758	0.05859	0.057637	0.21378	-0.03386	0.46543	0.124761
-0.08626	0.06253	-0.0766	0.09825	0.018117	0.69617	0.011761	0.79989	0.054902

0.012105	0.79416	0.002021	0.96526	0.148848	0.00126	0.053835	0.2456	0.196061
0.054831	0.23696	-0.02175	0.63915	0.0071	0.87838	-0.00101	0.98271	0.084382
0.049712	0.28369	0.067043	0.14802	0.100229	0.03034	0.005358	0.90807	0.145322
0.114008	0.0137	0.153377	0.00088	0.249411	4.71E-08	0.177569	0.00011	0.282232
-0.00213	0.96333	-0.04523	0.32943	0.178169	0.00011	0.067479	0.1454	0.166605
0.07779	0.09314	-0.05562	0.23026	0.374888	4.96E-17	0.138796	0.00265	0.374965
0.047255	0.30819	-0.10129	0.02861	0.30582	1.44E-11	0.067363	0.14609	0.318896
0.093887	0.04256	0.053589	0.24776	0.260797	1.06E-08	0.070931	0.12586	0.309052
0.313626	4.06E-12	0.451556	7.66E-25	0.131016	0.00457	0.254235	2.53E-08	0.069831
0.075073	0.10517	-0.00647	0.88903	0.314473	3.53E-12	0.156188	0.00071	0.321405
-0.06085	0.18926	0.011775	0.79966	0.104639	0.02373	0.099805	0.03105	0.128733
-0.01891	0.68353	-0.04479	0.33416	0.080993	0.08039	-0.02931	0.5275	0.15551
0.052041	0.2617	0.08026	0.08317	0.181137	8.27E-05	0.04316	0.35204	0.235739
0.057519	0.21472	0.01017	0.82649	0.25969	1.23E-08	0.106442	0.02141	0.27591
0.001335	0.97705	-0.07506	0.10525	0.137235	0.00296	0.070605	0.12761	0.17873
0.006571	0.88738	-0.05665	0.22175	0.18555	5.48E-05	0.039923	0.38936	0.23914
0.093927	0.04248	-0.06234	0.17866	0.234537	2.95E-07	0.042321	0.36149	0.227598
-0.06473	0.16255	-0.16796	0.00027	-0.40303	1.15E-19	-0.32451	6.50E-13	-0.35105
0.146694	0.00148	0.141206	0.00222	0.331755	1.85E-13	0.344081	2.00E-14	0.244529
0.051031	0.27109	-0.05163	0.26554	0.08129	0.07928	0.016606	0.7204	0.146772
0.157983	0.00061	0.102384	0.02694	0.23136	4.30E-07	0.149206	0.00122	0.260774
-1.34E-05	0.99977	-0.07846	0.09036	0.085494	0.0649	0.025893	0.57674	0.109412
0.061279	0.18619	0.097587	0.03501	0.134468	0.0036	0.059858	0.19662	0.144895
-0.12981	0.00496	-0.06785	0.14317	-0.05852	0.20687	-0.04764	0.30424	0.021904
0.027595	0.55195	-0.03047	0.51122	0.204877	8.08E-06	0.089849	0.05234	0.227523
0.083143	0.07265	-0.06923	0.13519	0.094264	0.04174	0.063503	0.17068	0.069802
0.241438	1.28E-07	-0.05672	0.22115	0.326368	4.73E-13	0.123765	0.00741	0.323758
0.005289	0.90925	-0.05464	0.23856	0.200417	1.28E-05	0.051154	0.26994	0.248387
0.019151	0.67976	0.018069	0.69693	0.083427	0.07168	-0.02382	0.60767	0.223328
-0.08161	0.07809	-0.04185	0.36685	0.059932	0.19607	-0.03155	0.49647	0.079222
-0.02501	0.58979	-0.09055	0.05053	0.108145	0.01941	-0.00304	0.94772	0.163286
0.024529	0.59699	-0.17512	0.00014	0.041952	0.3657	-0.08651	0.06175	0.093404
0.028961	0.53242	0.005635	0.90333	0.212192	3.73E-06	0.09149	0.04816	0.230672
0.021234	0.64717	0.010479	0.82131	0.224418	9.62E-07	0.096525	0.03705	0.22328
0.016856	0.71637	-0.03926	0.39727	0.132543	0.00411	0.057108	0.21802	0.15814
0.01495	0.74728	-0.0251	0.58854	0.209152	5.16E-06	0.052502	0.2575	0.276408
-0.0201	0.66478	-0.01181	0.79912	0.170958	0.00021	0.079772	0.08507	0.163611
-0.00758	0.87027	-0.02902	0.53155	0.148043	0.00133	0.058372	0.20799	0.178982
0.045974	0.3215	0.00031	0.99466	0.24313	1.04E-07	0.088255	0.05667	0.274733
-0.06328	0.17217	-0.0672	0.14708	0.007536	0.87097	-0.03899	0.40055	0.11147
0.03292	0.47789	-0.03855	0.4059	0.105352	0.02279	0.040128	0.38693	0.116935
-0.12797	0.00562	-0.21616	2.42E-06	0.040805	0.37896	-0.10263	0.02657	0.050711
0.038806	0.40278	-0.06446	0.16429	0.18325	6.80E-05	0.040194	0.38615	0.182735
0.016671	0.71935	-0.03896	0.40087	0.058807	0.20461	-0.04298	0.35402	0.122139
-0.01468	0.75163	-0.03542	0.44511	0.17945	9.65E-05	0.072286	0.11877	0.209071

-0.0405	0.38252	-0.05108	0.27064	0.159954	0.00052	0.050298	0.27805	0.179485
-0.06784	0.14327	-0.06384	0.16844	0.073941	0.11054	0.03872	0.40382	0.068365
-0.0257	0.57956	-0.02198	0.63569	0.107338	0.02034	0.05926	0.20114	0.092981
0.02829	0.54197	-0.00779	0.86659	0.121489	0.00859	0.082886	0.07354	0.118143
0.023856	0.6071	-0.01419	0.75975	0.115689	0.01236	0.042245	0.36236	0.16068
-0.05086	0.27268	-0.108	0.01958	-0.00356	0.93881	-0.09222	0.0464	0.076763
0.04152	0.37066	0.043937	0.34343	0.120047	0.00941	0.051687	0.26497	0.15013
0.009821	0.83236	-0.01184	0.79863	0.2026	1.02E-05	0.07478	0.10654	0.22011
-0.05089	0.27242	-0.07279	0.11622	0.039003	0.40039	-0.02382	0.6076	0.094772
-0.0167	0.71897	-0.11466	0.01316	0.070131	0.13019	-0.03295	0.47751	0.141411
-0.02188	0.63718	-0.04292	0.35478	0.129385	0.00511	0.043644	0.34667	0.17521
-0.01478	0.75011	-0.01401	0.7627	0.172364	0.00018	0.069641	0.1329	0.19049
-0.07518	0.10468	-0.09986	0.03096	-0.00711	0.87825	-0.05839	0.20783	0.06075
-0.04816	0.29903	-0.1551	0.00077	0.071745	0.12156	-0.05478	0.23741	0.121237
-0.00189	0.96742	-0.01729	0.70941	0.192948	2.69E-05	0.075197	0.1046	0.220104
0.028545	0.53834	-0.00504	0.91355	0.158048	0.00061	0.057433	0.21541	0.192966
0.025746	0.57891	-0.00924	0.84221	0.175014	0.00014	0.057077	0.21827	0.215684
0.037148	0.42319	0.010736	0.81702	0.192424	2.83E-05	0.066825	0.14935	0.230977
0.020896	0.65242	0.035988	0.43783	0.101699	0.02798	0.062016	0.18094	0.121104
-0.00481	0.91745	-0.04924	0.28826	0.183711	6.51E-05	0.046996	0.31086	0.208835
0.042607	0.35825	-0.05414	0.24292	0.190673	3.36E-05	0.053201	0.25121	0.185082
0.00651	0.88842	-0.02714	0.55846	0.189068	3.92E-05	0.063466	0.17093	0.215211
0.082226	0.07587	-0.02751	0.55317	0.067905	0.14287	0.040274	0.3852	0.075101
-0.01006	0.8284	-0.01722	0.71052	0.181756	7.81E-05	0.07731	0.09518	0.212083
-0.02061	0.65681	-0.04396	0.34324	0.085628	0.06448	-0.02558	0.58132	0.148337
0.045315	0.3285	-0.00416	0.92852	0.167911	0.00027	0.075034	0.10536	0.201344
-0.0202	0.66332	-0.07794	0.0925	0.133044	0.00397	-0.00737	0.87383	0.188877
0.091438	0.04829	0.001852	0.96816	0.123186	0.0077	0.03617	0.4355	0.129
-0.06862	0.13871	-0.09143	0.0483	0.021884	0.63714	-0.08212	0.07627	0.093285
-0.01163	0.80213	-0.05658	0.22232	0.183828	6.44E-05	0.044692	0.3352	0.225468
0.094551	0.04112	0.037295	0.42135	0.153567	0.00087	0.091096	0.04913	0.209323
-0.02093	0.65186	3.17E-05	0.99945	0.08833	0.05646	0.068436	0.13976	0.075793
0.038448	0.40713	0.002433	0.95818	0.151335	0.00104	0.063019	0.17397	0.172895
-0.08914	0.05422	-0.30985	7.53E-12	0.014898	0.74813	-0.2047	8.23E-06	0.056748
0.27525	1.45E-09	0.106731	0.02106	0.255704	2.09E-08	0.085763	0.06406	0.270624
0.029098	0.53048	-0.04563	0.32514	0.188494	4.14E-05	0.043385	0.34954	0.220997
-0.02593	0.57625	-0.0596	0.19854	0.196059	1.98E-05	0.087815	0.05792	0.175059
0.007325	0.87455	-0.01578	0.73383	0.183705	6.52E-05	0.056342	0.22427	0.215181
0.032547	0.4829	0.020359	0.66079	0.190268	3.49E-05	0.072327	0.11856	0.235277
-0.00773	0.86769	-0.04207	0.36433	0.133057	0.00397	0.018459	0.69073	0.181441
-0.00119	0.97955	-0.03028	0.51397	0.174771	0.00015	0.051513	0.26659	0.221303
0.008891	0.84804	-0.02909	0.53061	0.225877	8.14E-07	0.082378	0.07533	0.251275
0.092104	0.04667	0.049666	0.28413	0.232895	3.59E-07	0.104752	0.02358	0.251603
-0.02716	0.55823	-0.05637	0.22399	0.174625	0.00015	0.105503	0.0226	0.151586
0.052441	0.25805	-0.04848	0.29579	0.106075	0.02187	0.003367	0.94216	0.071069

0.049199	0.28869	-0.1467	0.00148	0.087862	0.05779	-0.05426	0.24184	0.075462
0.014005	0.76277	-0.03613	0.43602	0.211684	3.94E-06	0.056689	0.22142	0.260837
-0.08053	0.08212	-0.11035	0.01705	0.267736	4.15E-09	0.150156	0.00114	0.197058
-0.00781	0.8664	-0.06562	0.15686	0.168288	0.00026	0.024567	0.59641	0.225643
-0.0558	0.22874	-0.21318	3.35E-06	0.152204	0.00097	0.015635	0.73612	0.120585
0.083703	0.07074	-0.00377	0.93525	0.241503	1.27E-07	0.099203	0.03209	0.285829
0.072956	0.11538	0.13447	0.0036	0.136366	0.00315	0.195825	2.03E-05	0.201653
-0.05457	0.23922	-0.01397	0.76339	0.197895	1.65E-05	0.150399	0.00111	0.225947
-0.14027	0.00238	0.078615	0.08971	-0.13502	0.00346	-0.03208	0.48927	-0.1721
-0.00598	0.89742	-0.02612	0.57334	-0.02435	0.59962	-0.0494	0.28677	0.008115
0.112771	0.01476	0.185685	5.41E-05	0.283008	4.75E-10	0.255991	2.01E-08	0.261939
-0.12874	0.00533	-0.18637	5.07E-05	-0.16505	0.00034	-0.13865	0.00268	-0.04978
0.057523	0.21469	0.018199	0.69487	0.262675	8.28E-09	0.150825	0.00108	0.277129
-0.00925	0.84191	-0.08455	0.06793	0.098174	0.03392	-0.03684	0.42699	0.139634
-0.00894	0.84725	-0.05363	0.24738	0.194333	2.35E-05	0.055378	0.2323	0.237792
0.093758	0.04285	0.038575	0.40559	0.191374	3.14E-05	0.062807	0.17543	0.286015
-0.05001	0.28076	-0.08309	0.07283	0.159316	0.00055	-0.01492	0.7477	0.225388
-0.08692	0.06053	-0.18255	7.26E-05	0.156288	0.0007	-0.08623	0.06262	0.194782
-0.07074	0.12685	-0.10175	0.0279	0.06806	0.14195	-0.00597	0.89768	0.060973
0.043188	0.35173	0.067798	0.1435	0.190031	3.58E-05	0.13983	0.00246	0.193674
0.00676	0.88417	-0.03633	0.43345	0.208782	5.37E-06	0.086367	0.0622	0.231638
0.066324	0.15243	0.085939	0.06351	0.177341	0.00012	0.038476	0.40679	0.228767
0.04264	0.35788	0.023152	0.61775	0.316496	2.52E-12	0.167151	0.00029	0.341921
0.020641	0.65639	-0.00712	0.87797	0.208773	5.37E-06	0.076934	0.0968	0.213136
0.040671	0.38053	-0.05992	0.19614	0.087528	0.05875	-0.00624	0.8931	0.078783
0.09647	0.03716	0.029242	0.52845	0.064415	0.16461	-0.00915	0.84373	0.182417
0.001427	0.97546	-0.01739	0.70784	0.113954	0.01374	0.007592	0.87002	0.113869
0.086512	0.06176	0.025743	0.57895	0.206627	6.73E-06	0.063028	0.17391	0.267868
0.083609	0.07106	0.16025	0.00051	-0.06779	0.14357	-0.09311	0.04431	-0.09723
0.028557	0.53816	0.097164	0.03581	0.164187	0.00037	0.134602	0.00357	0.233084
-0.01441	0.75607	0.007298	0.87502	0.182454	7.32E-05	0.093936	0.04246	0.24865
0.006678	0.88556	-0.12797	0.00562	0.245485	7.74E-08	0.082098	0.07633	0.241198
-0.25748	1.65E-08	-0.33324	1.42E-13	-0.07523	0.10444	-0.14772	0.00137	-0.04039
-0.12693	0.00602	-0.12287	0.00786	0.079871	0.08468	0.030034	0.51734	0.070312
0.088288	0.05658	0.042944	0.35447	0.266894	4.66E-09	0.172857	0.00017	0.303833
0.076818	0.09731	-0.01601	0.73001	0.0898	0.05246	-0.03066	0.50866	0.167777
-0.0062	0.89371	-0.03607	0.43676	0.213249	3.33E-06	0.07523	0.10445	0.25766
-0.00567	0.90269	-0.01675	0.71802	0.050175	0.27922	-0.01128	0.80793	0.155853
0.073461	0.11288	-0.00912	0.84417	0.030026	0.51745	-0.07688	0.09704	0.203521
-0.01523	0.74272	-0.0602	0.1941	0.198945	1.48E-05	0.051502	0.26669	0.240343
-0.05133	0.26833	-0.10598	0.02199	0.036067	0.43682	-0.05254	0.25716	0.068427
-0.01174	0.8002	-0.05564	0.23011	0.086827	0.06081	-0.00242	0.95839	0.118774
0.012982	0.77963	-0.01255	0.78676	0.047633	0.30433	-0.01894	0.68311	0.100865
-0.00054	0.99073	-0.00122	0.97904	0.145528	0.00161	0.046799	0.31289	0.187099
-0.02678	0.56383	-0.08019	0.08345	0.058115	0.21	-0.02308	0.61889	0.098859

-0.01868	0.68724	-0.03706	0.4243	0.123851	0.00737	0.030362	0.51278	0.150166
0.028996	0.53193	0.218861	1.80E-06	-0.18579	5.36E-05	-0.00666	0.88591	-0.14808
-0.18029	8.94E-05	-0.02634	0.57015	0.029683	0.52225	0.150344	0.00112	0.006496
0.028509	0.53885	-0.04891	0.29157	0.265062	5.99E-09	0.100609	0.02971	0.256747
0.021283	0.64641	-0.00899	0.84632	0.121438	0.00861	0.022831	0.62264	0.139396
0.067608	0.14462	-0.06652	0.15122	-0.11406	0.01365	-0.15297	0.00091	-0.19309
0.072116	0.11964	0.036739	0.42832	0.281874	5.60E-10	0.04926	0.28809	0.326858
0.029475	0.52517	0.12187	0.00838	0.148204	0.00132	0.156704	0.00068	0.20413
0.023668	0.60993	0.018211	0.69467	0.23358	3.31E-07	0.083363	0.07189	0.318141
0.039358	0.39611	0.021196	0.64776	0.180052	9.13E-05	0.070068	0.13054	0.232468
0.052885	0.25404	-0.00149	0.97432	0.246867	6.50E-08	0.174939	0.00014	0.273645
0.160753	0.00049	-0.12137	0.00865	0.384686	6.41E-18	0.055734	0.22931	0.300272
0.245351	7.87E-08	0.141864	0.00212	0.384246	7.04E-18	0.159303	0.00055	0.408242
-0.07166	0.122	0.042698	0.35723	0.291839	1.27E-10	0.208465	5.55E-06	0.304934
-0.02601	0.57496	-0.06663	0.15056	0.098536	0.03327	-0.00763	0.8693	0.176741
-0.01349	0.77121	-0.01021	0.8259	0.189477	3.77E-05	0.080363	0.08277	0.247471
0.051323	0.26835	0.022447	0.6285	0.128268	0.0055	0.028735	0.53564	0.156299
0.126181	0.00633	0.012317	0.79064	0.12044	0.00918	0.050413	0.27694	0.118318
-0.10334	0.02554	-0.10142	0.02842	0.040769	0.37938	-0.00118	0.97963	0.044521
0.062172	0.17984	-0.00471	0.91915	0.10534	0.02281	0.022056	0.63449	0.168396
0.036619	0.42983	0.053162	0.25156	0.16888	0.00025	0.098824	0.03275	0.181675
0.054452	0.24022	0.044623	0.33595	0.10577	0.02225	0.043764	0.34535	0.136527
0.081773	0.0775	0.084485	0.06814	0.360938	8.14E-16	0.246626	6.70E-08	0.417473
0.067573	0.14484	0.090977	0.04943	0.236778	2.26E-07	0.202001	1.09E-05	0.246817
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-0.21059	4.43E-06	-0.17011	0.00022	-0.13055	0.00472	-0.12047	0.00916	-0.09975
-0.01759	0.7046	-0.07027	0.12945	0.192382	2.85E-05	0.035181	0.44817	0.253371
0.016624	0.72011	-0.01572	0.73479	0.238035	1.94E-07	0.125491	0.00662	0.258318
-0.06362	0.16986	-0.09353	0.04335	0.080153	0.08358	-0.0099	0.83103	0.121162
0.242882	1.07E-07	0.242231	1.16E-07	0.14964	0.00118	0.199769	1.37E-05	0.048524
0.102902	0.02617	0.042985	0.35401	0.156115	0.00071	0.093866	0.04261	0.225466
-0.12155	0.00855	-0.20456	8.36E-06	-0.14096	0.00226	-0.14912	0.00123	-0.26471
0.399695	2.43E-19	0.169612	0.00023	0.495607	2.56E-30	0.33091	2.14E-13	0.487501
0.053551	0.2481	0.022975	0.62044	0.278518	9.11E-10	0.160002	0.00052	0.298052
0.016729	0.71841	-0.01726	0.70994	0.224326	9.72E-07	0.134561	0.00358	0.189253
-0.12982	0.00496	-0.26367	7.24E-09	-0.05572	0.22939	-0.11367	0.01397	-0.00539
-0.03422	0.4607	-0.05378	0.24609	0.226816	7.30E-07	0.102227	0.02717	0.250102
-0.05936	0.2004	-0.05392	0.24483	0.21409	3.04E-06	0.14242	0.00203	0.190379
0.068274	0.1407	0.015227	0.74276	0.264443	6.51E-09	0.129098	0.00521	0.299475
0.071899	0.12076	0.028409	0.54027	0.166677	0.0003	0.074957	0.10571	0.208846
0.016367	0.72427	0.021447	0.64388	0.140937	0.00227	0.101298	0.02861	0.101932
0.062337	0.17869	-0.05107	0.27077	0.218675	1.83E-06	0.183682	6.53E-05	0.264642
0.000309	0.99469	-0.09886	0.03269	0.241662	1.24E-07	0.069416	0.13416	0.262732
0.118572	0.01033	0.02421	0.60177	0.291427	1.36E-10	0.134523	0.00359	0.295091
0.140202	0.00239	0.059943	0.19599	0.321437	1.10E-12	0.132974	0.00399	0.312891



0.173331	0.00017	0.069112	0.13588	0.388214	3.02E-18	0.210677	4.39E-06	0.358458
0.014339	0.75728	0.02178	0.63873	0.156208	0.00071	0.087647	0.05841	0.141899
0.053328	0.25008	0.014588	0.7532	0.225744	8.26E-07	0.150112	0.00114	0.273599
0.031706	0.49428	-0.02583	0.57773	0.263643	7.26E-09	0.099516	0.03154	0.304759
0.056611	0.22205	0.028095	0.54476	0.246611	6.71E-08	0.110308	0.01709	0.280201
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0.014291	0.75807	-0.07128	0.12401	0.158005	0.00061	0.019152	0.67975	0.175071
0.23516	2.74E-07	0.191859	3.00E-05	0.403982	9.25E-20	0.297787	5.11E-11	0.388566
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0.019109	0.68043	-0.03494	0.45128	0.056435	0.2235	0.000454	0.99219	0.101432
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0.097505	0.03516	0.029181	0.52931	0.331249	2.02E-13	0.211349	4.08E-06	0.289463
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0.091014	0.04934	-0.06561	0.15688	0.278785	8.77E-10	0.113501	0.01412	0.310093
0.122504	0.00804	0.040856	0.37837	0.251013	3.84E-08	0.088763	0.05526	0.232749
0.191534	3.09E-05	0.140389	0.00236	0.282667	4.99E-10	0.179259	9.82E-05	0.340894
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0.089603	0.05298	0.011288	0.80778	0.193797	2.48E-05	0.025544	0.5819	0.215115
0.076079	0.10058	0.040802	0.379	0.164907	0.00035	0.085479	0.06494	0.193071
0.084904	0.06677	0.055459	0.23163	0.299721	3.78E-11	0.172591	0.00018	0.313786
0.091417	0.04834	0.112915	0.01463	0.218864	1.80E-06	0.187168	4.70E-05	0.236075
0.018407	0.69156	0.011893	0.79769	0.242625	1.10E-07	0.119158	0.00996	0.262027
0.159077	0.00056	0.111658	0.01578	0.295514	7.27E-11	0.188068	4.32E-05	0.291958
0.074399	0.10834	0.057313	0.21637	0.20848	5.54E-06	0.078606	0.08974	0.270384
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0.055517	0.23113	0.07607	0.10062	0.125882	0.00645	0.107061	0.02066	0.102618
0.067301	0.14647	0.048657	0.29404	0.146224	0.00153	0.052247	0.25982	0.192952
0.145621	0.0016	0.500681	5.32E-31	0.154923	0.00078	0.373691	6.35E-17	0.227697
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0.125999	0.0064	0.168073	0.00026	0.141033	0.00225	0.026168	0.5727	0.135196
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0.00914	0.84383	0.05389	0.24511	0.161719	0.00045	0.061027	0.18801	0.232866
0.137765	0.00285	-0.00745	0.87237	0.18583	5.34E-05	0.059908	0.19625	0.217085
0.067703	0.14406	-0.05141	0.26752	-0.11641	0.01182	-0.16341	0.00039	-0.1653
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0.116876	0.01148	-0.06859	0.13885	-0.01678	0.71766	0.044673	0.33541	-0.03043
0.110021	0.01739	0.068563	0.13903	0.118884	0.01013	0.025839	0.57754	0.222202
0.057699	0.21329	0.026941	0.56142	0.165082	0.00034	0.046027	0.32095	0.193892
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0.228513	6.00E-07	0.160854	0.00048	0.285201	3.44E-10	0.247163	6.26E-08	0.430927
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0.08326	0.07225	-0.05493	0.23609	0.161148	0.00047	0.113522	0.0141	0.121291
0.109072	0.01838	0.065514	0.15751	0.259017	1.35E-08	0.152823	0.00092	0.315115
0.068244	0.14088	0.050698	0.27424	0.215899	2.49E-06	0.121552	0.00855	0.23531
-0.00402	0.93091	0.032518	0.48329	0.149226	0.00122	0.120793	0.00898	0.13362
0.066759	0.14975	0.031779	0.49329	0.145765	0.00159	0.039304	0.39676	0.215546
0.192594	2.79E-05	-0.01327	0.77484	0.148672	0.00127	0.058085	0.21024	0.124025
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0.043721	0.34582	0.058017	0.21077	0.185791	5.36E-05	0.113964	0.01373	0.218746
0.082027	0.07658	0.268925	3.53E-09	0.238787	1.77E-07	0.30573	1.46E-11	0.298548
0.167134	0.00029	0.224884	9.12E-07	0.156442	0.00069	0.182846	7.06E-05	0.17087
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0.047503	0.30566	0.010498	0.821	0.198376	1.57E-05	0.104302	0.02419	0.216243
0.001871	0.96783	0.018681	0.6872	0.126986	0.006	0.005331	0.90853	0.176285
0.015508	0.73819	0.032427	0.48451	0.12323	0.00767	0.089749	0.0526	0.102693
-0.01862	0.68819	0.030989	0.50411	0.076616	0.09819	0.027676	0.55077	0.127433
0.021347	0.64543	-0.10123	0.02871	0.25602	2.00E-08	0.032514	0.48334	0.331413
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0.025601	0.58106	-0.01558	0.73703	0.263827	7.08E-09	0.105748	0.02228	0.297551
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0.236894	2.22E-07	0.276421	1.23E-09	0.354783	2.68E-15	0.292389	1.17E-10	0.360281
0.059602	0.19855	0.120612	0.00908	0.03365	0.46818	0.034858	0.45235	-0.08567
0.056331	0.22436	0.047149	0.30928	0.30374	2.01E-11	0.217681	2.05E-06	0.275238
0.012613	0.78574	-0.00116	0.97998	0.158615	0.00058	0.058511	0.2069	0.173455
0.033775	0.46653	-0.01758	0.70482	0.13439	0.00362	0.013533	0.77053	0.122428
0.102477	0.0268	-0.10009	0.03056	0.129932	0.00492	-0.04385	0.34435	0.117043
0.07495	0.10575	0.130676	0.00468	0.2365	2.33E-07	0.208988	5.25E-06	0.289416
0.063748	0.16904	-0.01311	0.77744	0.262246	8.77E-09	0.081387	0.07892	0.310363
0.14015	0.0024	-0.03694	0.42575	0.264994	6.04E-09	0.061352	0.18566	0.306096
0.118999	0.01006	-0.0203	0.66179	0.127134	0.00594	0.019619	0.67239	0.151378
0.001343	0.97692	-0.07866	0.0895	0.152317	0.00096	0.006691	0.88534	0.217469
0.067618	0.14457	-0.04765	0.30417	0.006968	0.88062	-0.13756	0.00289	0.089336
0.069583	0.13323	0.008792	0.84971	0.203076	9.74E-06	0.087186	0.05975	0.20332
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0.086735	0.06109	-0.0343	0.45968	0.101479	0.02832	0.062597	0.17687	0.068051
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0.073227	0.11403	0.135192	0.00342	0.123831	0.00738	0.055882	0.22807	0.229063
0.050889	0.27243	-0.01418	0.75992	0.264098	6.83E-09	0.150578	0.0011	0.276654
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0.030944	0.50473	0.002103	0.96386	0.247205	6.23E-08	0.093363	0.04374	0.278291
0.037549	0.4182	0.029323	0.52731	0.263398	7.51E-09	0.095325	0.03948	0.337624
0.080379	0.08271	0.074898	0.10599	0.153658	0.00086	0.042599	0.35835	0.264992
0.031524	0.49677	0.139415	0.00253	0.139619	0.0025	0.097374	0.03541	0.230551
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-0.09178	0.04745	-0.10626	0.02164	0.027549	0.55261	-0.09449	0.04125	0.060381
0.096879	0.03636	0.078368	0.09072	0.162561	0.00042	0.097916	0.0344	0.163235
0.088045	0.05727	0.027014	0.56035	0.309113	8.49E-12	0.146236	0.00153	0.330722
-0.01815	0.69559	-0.02231	0.63062	0.037483	0.41902	-0.02054	0.65796	0.077997
0.035623	0.44248	0.010498	0.82099	0.087776	0.05804	0.00228	0.9608	0.130427
-0.05783	0.21224	-0.19095	3.27E-05	-0.12573	0.00652	-0.10517	0.02302	-0.179
-0.006	0.89708	-0.13766	0.00287	0.075514	0.10314	-0.02091	0.65219	0.096579
-0.02796	0.54666	0.029291	0.52777	0.095967	0.03816	0.015884	0.73207	0.194711
0.081495	0.07852	-0.01442	0.75591	0.189222	3.87E-05	0.089937	0.0521	0.217136
0.027056	0.55974	-0.01924	0.67841	0.25371	2.71E-08	0.091534	0.04805	0.295095
0.10402	0.02458	0.191777	3.02E-05	0.429554	2.16E-22	0.385039	5.95E-18	0.441117
0.02677	0.5639	0.056473	0.22319	0.303446	2.11E-11	0.176628	0.00012	0.346482
0.165125	0.00034	0.125431	0.00665	0.430123	1.88E-22	0.292592	1.14E-10	0.43138
-0.01145	0.80509	-0.06575	0.15602	0.240947	1.36E-07	0.063935	0.16779	0.274999
0.002818	0.95158	-0.02211	0.63365	0.248888	5.03E-08	0.083126	0.07271	0.29385
0.047784	0.3028	0.042329	0.36141	0.341156	3.42E-14	0.165257	0.00034	0.364626
-0.04711	0.3097	-0.02562	0.58071	0.196506	1.89E-05	0.149343	0.00121	0.245045
0.008248	0.8589	-0.02532	0.58517	0.197857	1.66E-05	0.059837	0.19678	0.255864
-0.00935	0.84028	-0.03721	0.42237	0.18718	4.70E-05	0.045196	0.32977	0.221629
0.02959	0.52356	-0.0203	0.66172	0.189466	3.78E-05	0.073435	0.113	0.203709
0.001331	0.97711	-0.0094	0.83943	0.223587	1.06E-06	0.08204	0.07654	0.277421
0.013551	0.77023	-0.01457	0.75349	0.257012	1.76E-08	0.096096	0.0379	0.301674
0.020607	0.65692	-0.01279	0.78286	0.272127	2.26E-09	0.100866	0.0293	0.309015
-0.03654	0.43082	-0.06026	0.19362	0.09243	0.04589	-0.00899	0.84637	0.13215
0.087962	0.0575	-0.00959	0.8363	0.188113	4.30E-05	0.06218	0.17978	0.216258
-0.00294	0.94945	-0.07253	0.11755	0.182675	7.17E-05	0.066629	0.15055	0.195429
0.074526	0.10774	-0.02835	0.54105	0.181494	8.00E-05	0.045905	0.32223	0.201804
0.012284	0.7912	0.00108	0.98144	0.099351	0.03183	0.06089	0.18901	0.092212
0.045708	0.32432	-0.00521	0.9106	0.164812	0.00035	0.050203	0.27895	0.212313
0.059256	0.20117	0.001327	0.97718	0.179821	9.33E-05	0.188941	3.97E-05	0.190013
0.074669	0.10706	-0.07655	0.09849	0.121209	0.00874	0.031904	0.49159	0.162507
0.040768	0.3794	0.112817	0.01472	0.200624	1.25E-05	0.178307	0.00011	0.268623
-0.13598	0.00324	-0.07399	0.11032	-0.1561	0.00071	-0.1412	0.00222	-0.0531
0.080462	0.08239	0.024886	0.59166	0.314155	3.72E-12	0.226897	7.24E-07	0.271766
0.074993	0.10555	0.177131	0.00012	0.073832	0.11106	0.098516	0.0333	0.120445

0.056956	0.21925	0.063052	0.17375	0.150477	0.00111	0.060328	0.19312	0.157766
-0.03578	0.44048	0.068783	0.13776	-0.24547	7.75E-08	-0.10613	0.0218	-0.20846
0.001961	0.96628	-0.02026	0.66231	0.251474	3.62E-08	0.080931	0.08062	0.308095
0.10811	0.01945	0.217141	2.17E-06	0.106576	0.02125	0.118762	0.01021	0.055114
-0.05281	0.25469	-0.30235	2.50E-11	-0.17743	0.00012	-0.2428	1.08E-07	-0.30163
0.011109	0.81077	-0.03259	0.48236	0.171652	0.00019	0.032249	0.48692	0.212491
0.008084	0.86168	-0.00404	0.93055	0.097343	0.03547	0.031384	0.49869	0.145231
0.011612	0.80237	-0.0132	0.77605	0.113309	0.01429	0.048697	0.29365	0.162951
0.015679	0.73542	-0.00941	0.83923	0.078012	0.0922	-0.03181	0.49282	0.158779
-0.03491	0.45174	-0.05384	0.24552	0.186044	5.23E-05	0.057189	0.21737	0.204717
-0.11028	0.01712	-0.13383	0.00376	0.095345	0.03944	-0.02787	0.548	0.109069
-0.02567	0.58009	-0.10151	0.02827	0.097123	0.03589	-0.00129	0.97774	0.132711
0.032697	0.48089	-0.00749	0.8717	0.144991	0.00168	0.047295	0.30779	0.22077
0.046163	0.31952	0.035616	0.44257	0.158383	0.00059	0.036462	0.43181	0.149559
-0.01538	0.74019	-0.05812	0.20995	0.049014	0.29051	-0.02273	0.62413	0.117007
-0.20179	1.11E-05	-0.35759	1.56E-15	-0.25196	3.40E-08	-0.34407	2.01E-14	-0.32494
-0.02232	0.63046	0.122082	0.00827	0.250581	4.06E-08	0.269742	3.15E-09	0.190377
0.250508	4.09E-08	0.121759	0.00844	0.47994	2.81E-28	0.225737	8.27E-07	0.453304
0.00422	0.92753	-0.15018	0.00113	0.24846	5.32E-08	-0.00246	0.95779	0.276969
0.040032	0.38807	-0.00528	0.90939	0.18738	4.61E-05	0.060819	0.18952	0.205041
0.012553	0.78674	-0.04079	0.37917	0.186131	5.19E-05	0.041881	0.36652	0.257901
0.007413	0.87307	-0.00635	0.89112	0.064643	0.16312	0.145405	0.00163	0.03112
-0.15282	0.00092	-0.04955	0.28528	0.061167	0.18699	0.118317	0.0105	0.043252
-0.01964	0.672	0.005542	0.90492	0.125041	0.00682	-0.00321	0.94481	0.220531
-0.00443	0.92397	-0.02703	0.56014	0.150623	0.00109	0.044579	0.33643	0.161196
0.042595	0.35839	0.018583	0.68876	0.141584	0.00216	0.084147	0.06925	0.166133
-0.02221	0.63217	-0.05913	0.20209	0.168047	0.00026	0.047996	0.30066	0.189328
0.053308	0.25026	-0.13818	0.00277	0.133069	0.00397	-0.03313	0.4751	0.16992
0.201195	1.18E-05	0.230285	4.88E-07	0.077408	0.09476	0.06228	0.17908	0.076899
0.167653	0.00027	0.052487	0.25763	0.194294	2.36E-05	0.119921	0.00949	0.209695
-0.08526	0.06565	-0.0948	0.04059	0.077229	0.09552	-0.07194	0.12057	0.115977
-0.01333	0.77385	-0.07027	0.12941	0.178947	0.0001	0.034027	0.46321	0.231541
-0.00313	0.94629	0.002907	0.95005	0.084251	0.06891	0.088771	0.05524	0.074359
0.115778	0.01229	-0.11802	0.0107	0.292257	1.20E-10	0.135921	0.00325	0.287695
0.076219	0.09995	-0.19662	1.87E-05	0.300901	3.15E-11	0.074993	0.10554	0.264249
0.034981	0.45075	-0.00482	0.91724	0.28211	5.41E-10	0.137858	0.00283	0.293952
0.086958	0.06042	0.083802	0.0704	0.068565	0.13901	0.021169	0.64818	0.09882
0.005289	0.90925	-0.12967	0.00501	0.139777	0.00247	-0.04919	0.28877	0.234245
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0.025256	0.58615	-0.00391	0.93287	0.205951	7.23E-06	0.09852	0.03329	0.214904
-0.02323	0.61663	-0.00605	0.89617	0.11079	0.01661	0.085757	0.06407	0.085182
0.082055	0.07648	0.085172	0.06592	0.302688	2.37E-11	0.153403	0.00088	0.356773
0.00025	0.9957	-0.08047	0.08235	0.220632	1.48E-06	0.057572	0.2143	0.248583
-0.24997	4.39E-08	-0.20045	1.27E-05	-0.00482	0.91725	0.064628	0.16322	-0.00757
-0.0121	0.79429	-0.03617	0.43551	0.177994	0.00011	0.053724	0.24657	0.211061

-0.00579	0.90061	-0.01369	0.76787	0.162571	0.00042	0.04706	0.3102	0.208661
-0.11806	0.01067	-0.23812	1.92E-07	-0.21715	2.17E-06	-0.27774	1.02E-09	-0.26451
-0.00146	0.97496	0.008336	0.85742	0.192252	2.88E-05	0.105421	0.0227	0.232083
-0.00753	0.87113	-0.0475	0.30573	0.089741	0.05262	-0.0193	0.67741	0.117686
0.028925	0.53294	-0.09745	0.03526	0.140929	0.00227	-0.00943	0.83893	0.17922
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2.33E-05	0.9996	-0.03574	0.44099	0.086683	0.06124	0.021395	0.64468	0.118111
-0.02294	0.62095	-0.02701	0.56044	0.176953	0.00012	0.178002	0.00011	0.18547
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0.149016	0.00124	0.093611	0.04318	0.195404	2.11E-05	0.13735	0.00294	0.298959
0.005966	0.8977	-0.04626	0.31855	0.168116	0.00026	0.067026	0.14813	0.201524
-0.04482	0.33383	-0.16134	0.00046	-0.21061	4.42E-06	-0.15544	0.00075	-0.18905
0.126255	0.00629	0.087868	0.05777	0.086641	0.06137	0.143346	0.0019	0.206679
0.193011	2.68E-05	0.129899	0.00493	0.475713	9.56E-28	0.328541	3.24E-13	0.448398
0.049076	0.2899	-0.08146	0.07864	0.094841	0.0405	0.054871	0.23662	0.112228
0.03607	0.43678	0.023003	0.62001	0.10579	0.02223	0.010058	0.82838	0.152875
0.056658	0.22168	-0.00906	0.84518	0.250345	4.18E-08	0.166043	0.00031	0.252422
0.007639	0.86923	-0.07366	0.1119	0.110723	0.01668	0.000986	0.98305	0.157572
0.171961	0.00019	0.141322	0.0022	0.321226	1.14E-12	0.127593	0.00576	0.407302
0.050716	0.27406	0.048181	0.2988	0.120991	0.00886	0.02802	0.54584	0.220679
0.049568	0.28509	0.20805	5.80E-06	-0.00596	0.89784	0.057771	0.21271	-0.00647
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0.102163	0.02727	-0.07739	0.09484	-0.08132	0.07916	-0.16786	0.00027	-0.16846
0.023657	0.6101	0.237332	2.11E-07	-0.07953	0.08603	0.07571	0.10224	0.011756
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0.025344	0.58486	-0.01046	0.8216	0.101145	0.02885	0.036928	0.42595	0.142401
0.032827	0.47913	0.016624	0.72011	0.142583	0.00201	0.052603	0.25659	0.166468
-0.08027	0.08312	-0.11117	0.01625	0.178548	0.0001	0.097255	0.03564	0.197896
-0.01522	0.74286	-0.16931	0.00024	0.070968	0.12566	-0.01	0.82936	0.055638
0.036499	0.43134	0.119077	0.01001	0.16356	0.00039	0.126215	0.00631	0.24116
0.134786	0.00352	0.171852	0.00019	0.267261	4.43E-09	0.157062	0.00066	0.365265
0.234695	2.90E-07	0.101991	0.02753	0.495714	2.48E-30	0.302275	2.53E-11	0.484024
-0.10988	0.01754	-0.10669	0.02111	0.235926	2.50E-07	0.202381	1.05E-05	0.189073
-0.13264	0.00409	-0.00066	0.98863	0.098999	0.03244	0.105257	0.02291	0.190289
0.044012	0.34262	0.0829	0.07349	0.313656	4.04E-12	0.2736	1.83E-09	0.332139
0.171577	0.00019	0.179176	9.89E-05	0.364821	3.79E-16	0.268119	3.94E-09	0.361353
0.130501	0.00473	-0.01005	0.82848	0.366299	2.82E-16	0.149112	0.00123	0.345837
-0.01279	0.7828	0.001341	0.97694	0.130305	0.0048	0.036182	0.43535	0.200941
0.307858	1.04E-11	0.063242	0.17245	0.301408	2.90E-11	0.142521	0.00202	0.261555
0.008997	0.84624	0.012454	0.78837	0.110513	0.01689	-0.00588	0.89914	0.172819
0.003709	0.93629	0.055216	0.23368	0.117088	0.01133	0.111755	0.01569	0.199475
0.183866	6.42E-05	-0.02033	0.66123	0.47275	2.23E-27	0.16725	0.00028	0.428396
0.2257	8.30E-07	0.042936	0.35455	0.487197	3.28E-29	0.254632	2.40E-08	0.414242
0.267957	4.03E-09	0.221714	1.31E-06	0.395838	5.73E-19	0.201552	1.14E-05	0.444816
0.202479	1.04E-05	0.101819	0.0278	0.4619	4.67E-26	0.337522	6.61E-14	0.387834

0.000391	0.99328	0.021922	0.63655	0.142002	0.0021	0.023634	0.61045	0.248539
-0.00503	0.91361	0.008578	0.85333	0.119152	0.00996	0.043889	0.34397	0.211498
-0.01646	0.72279	0.010163	0.82662	0.163256	0.0004	0.124916	0.00688	0.176544
0.041562	0.37017	-0.0362	0.43515	0.167033	0.00029	0.107497	0.02015	0.146215
0.090752	0.05	0.016381	0.72404	0.372816	7.59E-17	0.191859	3.00E-05	0.37907
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-0.23703	2.19E-07	-0.13632	0.00316	-0.37396	6.01E-17	-0.08911	0.0543	-0.42369
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0.412384	1.34E-20	0.469213	6.09E-27	0.719593	1.14E-75	0.502181	3.32E-31	0.619268
0.111598	0.01583	0.162734	0.00041	0.298948	4.27E-11	0.168994	0.00024	0.282993
0.158749	0.00057	0.109001	0.01846	0.398807	2.96E-19	0.130239	0.00482	0.419701
0.232213	3.89E-07	0.255437	2.16E-08	0.427769	3.36E-22	0.299269	4.06E-11	0.49619
0.041972	0.36546	0.107941	0.01964	0.355253	2.45E-15	0.172098	0.00019	0.420484
0.417257	4.25E-21	0.43353	8.04E-23	0.720086	8.10E-76	0.538511	1.79E-36	0.629294
0.353171	3.65E-15	0.355504	2.33E-15	0.662446	2.57E-60	0.461494	5.22E-26	0.654477
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0.243739	9.62E-08	0.28986	1.72E-10	0.437416	3.02E-23	0.337217	6.98E-14	0.458964
0.35606	2.10E-15	0.341025	3.50E-14	0.651225	1.08E-57	0.482104	1.49E-28	0.628633
0.400226	2.16E-19	0.313909	3.87E-12	0.705872	1.20E-71	0.442536	8.14E-24	0.691614
0.317849	2.01E-12	0.245677	7.55E-08	0.540634	8.41E-37	0.292472	1.16E-10	0.506048
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0.276397	1.23E-09	0.375564	4.32E-17	0.382545	1.01E-17	0.320733	1.24E-12	0.327058
0.209851	4.79E-06	0.192801	2.73E-05	0.321928	1.01E-12	0.158897	0.00057	0.281239
0.381197	1.34E-17	0.436268	4.04E-23	0.490244	1.31E-29	0.362461	6.04E-16	0.424294
0.504367	1.67E-31	0.520394	9.11E-34	0.766651	1.61E-91	0.673808	4.29E-63	0.691097
0.336087	8.55E-14	0.377446	2.93E-17	0.487348	3.14E-29	0.38734	3.64E-18	0.470816
0.444567	4.81E-24	0.554227	5.87E-39	0.669848	4.11E-62	0.589107	5.70E-45	0.611507
0.171002	0.0002	-0.00465	0.92016	0.165935	0.00032	-0.02921	0.5289	0.305552
0.298704	4.44E-11	0.193727	2.49E-05	0.431575	1.31E-22	0.229306	5.47E-07	0.395852
0.233	3.54E-07	0.2843	3.93E-10	0.344271	1.93E-14	0.249852	4.45E-08	0.39384
0.358637	1.27E-15	0.351943	4.60E-15	0.487361	3.13E-29	0.356291	2.01E-15	0.50236
0.274796	1.55E-09	0.484916	6.48E-29	0.454228	3.75E-25	0.385535	5.35E-18	0.498007
0.045566	0.32582	0.169684	0.00023	0.320389	1.31E-12	0.233715	3.26E-07	0.268978
0.290431	1.58E-10	0.227609	6.66E-07	0.379045	2.10E-17	0.180623	8.67E-05	0.420633
0.465532	1.71E-26	0.562183	2.88E-40	0.806992	#####	0.674278	3.27E-63	0.710067
0.479094	3.59E-28	0.525887	1.43E-34	0.774514	1.55E-94	0.602073	2.14E-47	0.754617
0.374332	5.57E-17	0.461368	5.40E-26	0.469244	6.04E-27	0.412026	1.45E-20	0.480957
0.351277	5.22E-15	0.235826	2.53E-07	0.278196	9.54E-10	0.230159	4.95E-07	0.312477
0.367081	2.42E-16	0.450314	1.07E-24	0.501253	4.44E-31	0.449655	1.27E-24	0.415069
0.394439	7.79E-19	0.325503	5.49E-13	0.76836	3.64E-92	0.530432	3.02E-35	0.683846
0.389079	2.50E-18	0.398116	3.46E-19	0.566953	4.54E-41	0.427124	3.93E-22	0.494001
0.463146	3.31E-26	0.298253	4.76E-11	0.555072	4.27E-39	0.314289	3.64E-12	0.535244
0.423271	1.01E-21	0.307885	1.04E-11	0.650186	1.87E-57	0.446501	2.91E-24	0.627662
0.197253	1.76E-05	0.114087	0.01363	0.297258	5.55E-11	0.12413	0.00724	0.337412

0.07618	0.10013	-0.18825	4.24E-05	0.057364	0.21596	-0.2051	7.90E-06	0.138822
0.281073	6.30E-10	0.181494	8.00E-05	0.530341	3.12E-35	0.241295	1.30E-07	0.529567
0.346015	1.40E-14	0.440939	1.23E-23	0.530936	2.54E-35	0.438197	2.47E-23	0.486209
0.350581	5.95E-15	0.343612	2.18E-14	0.45451	3.48E-25	0.355402	2.38E-15	0.428546
0.176914	0.00012	0.251259	3.72E-08	0.375505	4.37E-17	0.292076	1.23E-10	0.356796
0.179336	9.75E-05	0.27174	2.38E-09	0.408825	3.06E-20	0.259263	1.31E-08	0.472409
0.144248	0.00178	0.110616	0.01679	0.279952	7.41E-10	0.138986	0.00261	0.335376
0.486735	3.77E-29	0.567126	4.25E-41	0.823841	#####	0.707165	5.14E-72	0.750589
0.111958	0.0155	0.279427	7.99E-10	0.338642	5.40E-14	0.228878	5.75E-07	0.316879
0.201095	1.19E-05	0.131659	0.00437	0.192492	2.82E-05	0.110729	0.01667	0.318688
0.094327	0.0416	0.331639	1.88E-13	0.325987	5.05E-13	0.358764	1.24E-15	0.378209
0.466054	1.48E-26	0.447262	2.38E-24	0.781636	2.24E-97	0.630377	4.24E-53	0.684932
0.365648	3.21E-16	0.381557	1.24E-17	0.709024	1.50E-72	0.497635	1.37E-30	0.656081
0.272791	2.06E-09	0.25066	4.02E-08	0.382997	9.17E-18	0.283686	4.30E-10	0.386825
0.473791	1.66E-27	0.470401	4.35E-27	0.731628	2.11E-79	0.512463	1.24E-32	0.641667
-0.04542	0.32733	-0.19014	3.54E-05	-0.31444	3.55E-12	-0.17094	0.00021	-0.36658
-0.1416	0.00216	-0.21263	3.56E-06	-0.37739	2.96E-17	-0.23378	3.23E-07	-0.41514
0.219308	1.71E-06	0.185906	5.30E-05	0.383119	8.93E-18	0.188799	4.03E-05	0.37375
0.345068	1.67E-14	0.38786	3.25E-18	0.683046	1.91E-65	0.523948	2.76E-34	0.65431
0.122207	0.0082	0.271991	2.30E-09	0.383079	9.01E-18	0.286085	3.02E-10	0.404558
0.354684	2.73E-15	0.475057	1.15E-27	0.565478	8.07E-41	0.508915	3.91E-32	0.585067
0.351764	4.76E-15	0.36664	2.64E-16	0.645109	2.63E-56	0.481016	2.05E-28	0.643492
0.440641	1.33E-23	0.468787	6.86E-27	0.789102	#####	0.599871	5.62E-47	0.766127
0.470041	4.82E-27	0.377859	2.69E-17	0.719404	1.30E-75	0.43273	9.82E-23	0.668754
-0.16894	0.00025	-0.23991	1.54E-07	-0.24573	7.50E-08	-0.11049	0.01691	-0.39496
0.263878	7.03E-09	0.395158	6.65E-19	0.31891	1.68E-12	0.330932	2.13E-13	0.361744
0.479642	3.06E-28	0.413294	1.08E-20	0.765058	6.36E-91	0.565197	9.00E-41	0.689948
-0.21834	1.91E-06	-0.39105	1.63E-18	-0.36015	9.49E-16	-0.27433	1.65E-09	-0.41074
0.324486	6.53E-13	0.293888	9.32E-11	0.389915	2.09E-18	0.267734	4.15E-09	0.453455
0.472481	2.41E-27	0.290468	1.57E-10	0.758039	2.38E-88	0.466015	1.49E-26	0.673284
0.499995	6.59E-31	0.448667	1.65E-24	0.741709	1.09E-82	0.579894	2.60E-43	0.60808
0.488135	2.48E-29	0.41825	3.36E-21	0.720758	5.07E-76	0.504202	1.76E-31	0.653295
0.454389	3.59E-25	0.313927	3.86E-12	0.712848	1.16E-73	0.429731	2.07E-22	0.600269
0.348828	8.28E-15	0.411135	1.79E-20	0.343841	2.09E-14	0.385021	5.97E-18	0.363934
0.311799	5.48E-12	0.246346	6.94E-08	0.721657	2.70E-76	0.435283	5.18E-23	0.640743
-0.27564	1.38E-09	-0.26844	3.77E-09	-0.34887	8.21E-15	-0.27651	1.21E-09	-0.38618
-0.21237	3.66E-06	-0.15488	0.00078	-0.40478	7.72E-20	-0.21085	4.31E-06	-0.40644
0.348115	9.46E-15	0.275451	1.41E-09	0.673939	3.98E-63	0.42632	4.79E-22	0.627956
0.085319	0.06545	-0.07956	0.08591	0.118669	0.01027	-0.16188	0.00044	0.233384
0.374698	5.16E-17	0.25524	2.22E-08	0.591052	2.51E-45	0.412485	1.31E-20	0.62639
0.390643	1.78E-18	0.355736	2.23E-15	0.710769	4.69E-73	0.500613	5.43E-31	0.658419
0.445836	3.46E-24	0.472558	2.36E-27	0.779775	1.26E-96	0.571328	8.13E-42	0.75847
0.406738	4.94E-20	0.336392	8.10E-14	0.663547	1.40E-60	0.404637	7.98E-20	0.584949
-0.02686	0.56258	-0.13143	0.00444	-0.26259	8.37E-09	-0.11185	0.0156	-0.32212
-0.34815	9.40E-15	-0.24423	9.04E-08	-0.41044	2.10E-20	-0.27448	1.62E-09	-0.39022

0.291842	1.27E-10	0.192575	2.79E-05	0.302195	2.57E-11	0.147989	0.00134	0.336029
-0.25202	3.37E-08	-0.34976	6.95E-15	-0.43281	9.64E-23	-0.3893	2.38E-18	-0.45708
0.08992	0.05215	0.113507	0.01412	0.304388	1.81E-11	0.144385	0.00176	0.370105
0.440389	1.41E-23	0.364749	3.84E-16	0.773444	4.05E-94	0.574153	2.64E-42	0.679784
0.275339	1.43E-09	0.295083	7.76E-11	0.578672	4.27E-43	0.455429	2.72E-25	0.532799
0.238381	1.86E-07	0.180713	8.60E-05	0.335473	9.54E-14	0.182884	7.03E-05	0.241811
0.20908	5.20E-06	0.259676	1.24E-08	0.312234	5.10E-12	0.292822	1.10E-10	0.373781
0.455578	2.61E-25	0.439941	1.59E-23	0.637412	1.31E-54	0.447339	2.33E-24	0.572328
-0.1259	0.00645	-0.22679	7.33E-07	-0.33922	4.86E-14	-0.2194	1.69E-06	-0.37251
0.19998	1.34E-05	0.246461	6.84E-08	0.338982	5.08E-14	0.222131	1.25E-06	0.297135
-0.01098	0.81301	0.122296	0.00815	0.214029	3.06E-06	0.157803	0.00062	0.252358
0.197726	1.68E-05	0.177407	0.00012	0.285227	3.43E-10	0.162305	0.00043	0.358987
0.45434	3.64E-25	0.401669	1.56E-19	0.759697	5.99E-89	0.636584	1.98E-54	0.648896
0.45018	1.10E-24	0.319294	1.58E-12	0.417341	4.17E-21	0.22193	1.27E-06	0.471496
0.525348	1.72E-34	0.357203	1.68E-15	0.569716	1.54E-41	0.353892	3.18E-15	0.550867
0.421131	1.69E-21	0.42432	7.80E-22	0.660703	6.67E-60	0.55009	2.72E-38	0.620984
0.436081	4.23E-23	0.376529	3.54E-17	0.656525	6.44E-59	0.420844	1.81E-21	0.651373
0.263541	7.36E-09	0.204806	8.14E-06	0.366315	2.81E-16	0.198941	1.48E-05	0.380084
0.487989	2.59E-29	0.474811	1.24E-27	0.785739	4.61E-99	0.609066	9.42E-49	0.717274
0.459663	8.62E-26	0.136685	0.00308	0.409109	2.86E-20	0.158941	0.00057	0.394847
0.347154	1.13E-14	0.356636	1.88E-15	0.519021	1.44E-33	0.34594	1.42E-14	0.488557
0.338497	5.54E-14	0.381169	1.35E-17	0.636056	2.58E-54	0.549242	3.72E-38	0.581928
0.404815	7.66E-20	0.320852	1.21E-12	0.374851	5.00E-17	0.336183	8.40E-14	0.371181
0.498474	1.06E-30	0.519886	1.08E-33	0.73922	7.32E-82	0.607453	1.95E-48	0.69538
0.249654	4.57E-08	0.277831	1.01E-09	0.389185	2.45E-18	0.238949	1.73E-07	0.393545
0.389939	2.08E-18	0.472821	2.19E-27	0.566611	5.19E-41	0.533321	1.11E-35	0.57099
0.441053	1.19E-23	0.427183	3.88E-22	0.757446	3.90E-88	0.540176	9.91E-37	0.691689
0.249309	4.77E-08	0.502551	2.96E-31	0.383336	8.53E-18	0.427464	3.62E-22	0.385241
0.174972	0.00014	0.161423	0.00046	0.279763	7.61E-10	0.131252	0.0045	0.310171
0.25657	1.87E-08	0.357508	1.59E-15	0.426428	4.67E-22	0.391961	1.34E-18	0.383052
0.423228	1.02E-21	0.621743	2.69E-51	0.696295	5.67E-69	0.618669	1.14E-50	0.6827
0.49053	1.21E-29	0.481703	1.67E-28	0.796841	#####	0.576272	1.13E-42	0.756639
0.55049	2.35E-38	0.523486	3.23E-34	0.801816	#####	0.63418	6.55E-54	0.676768
0.424136	8.16E-22	0.516444	3.38E-33	0.748729	4.56E-85	0.616967	2.52E-50	0.685656
0.280273	7.07E-10	0.257353	1.68E-08	0.594003	7.13E-46	0.352754	3.95E-15	0.535989
0.172196	0.00018	0.388329	2.94E-18	0.378129	2.54E-17	0.338605	5.43E-14	0.438868
0.473286	1.92E-27	0.459205	9.76E-26	0.724148	4.66E-77	0.51722	2.61E-33	0.692244
0.283257	4.58E-10	0.406405	5.33E-20	0.532701	1.38E-35	0.366982	2.46E-16	0.497109
0.065983	0.15455	0.065687	0.15641	0.272105	2.26E-09	0.093433	0.04358	0.32614
0.122255	0.00817	0.121762	0.00844	0.334542	1.13E-13	0.160788	0.00049	0.399579
0.287759	2.35E-10	0.398468	3.20E-19	0.39732	4.13E-19	0.338702	5.34E-14	0.419206
0.257464	1.66E-08	0.23906	1.71E-07	0.455669	2.55E-25	0.277579	1.04E-09	0.496239
-0.118	0.01071	-0.18267	7.18E-05	-0.30862	9.19E-12	-0.1691	0.00024	-0.38648
0.387252	3.71E-18	0.40316	1.11E-19	0.365674	3.20E-16	0.332703	1.56E-13	0.347388
0.557172	1.94E-39	0.44455	4.83E-24	0.796339	#####	0.613189	1.44E-49	0.682403



0.293121	1.05E-10	0.283851	4.20E-10	0.6271	2.08E-52	0.413441	1.05E-20	0.626969
-0.00161	0.9724	0.121453	0.00861	0.219864	1.61E-06	0.134629	0.00356	0.392768
-0.11492	0.01295	-0.16976	0.00023	-0.24958	4.61E-08	-0.07927	0.08706	-0.32571
0.344819	1.75E-14	0.488273	2.38E-29	0.454003	3.99E-25	0.437158	3.22E-23	0.430398
0.206358	6.93E-06	0.297831	5.08E-11	0.354659	2.74E-15	0.256779	1.81E-08	0.315441
0.347808	1.00E-14	0.385007	5.99E-18	0.505137	1.31E-31	0.331454	1.95E-13	0.56425
0.541191	6.89E-37	0.586195	1.93E-44	0.718776	2.01E-75	0.6671	1.94E-61	0.593677
0.187983	4.35E-05	0.292356	1.18E-10	0.318744	1.73E-12	0.275172	1.47E-09	0.399826
0.283202	4.61E-10	0.26886	3.56E-09	0.437185	3.20E-23	0.287476	2.45E-10	0.412485
0.354569	2.79E-15	0.546423	1.04E-37	0.547661	6.64E-38	0.512464	1.24E-32	0.548071
0.426846	4.21E-22	0.444201	5.29E-24	0.724215	4.44E-77	0.583514	5.88E-44	0.670523
0.273717	1.80E-09	0.236313	2.39E-07	0.407927	3.76E-20	0.27529	1.44E-09	0.417535
0.53266	1.40E-35	0.37492	4.93E-17	0.767858	5.64E-92	0.517821	2.14E-33	0.683403
0.422049	1.35E-21	0.377886	2.67E-17	0.742359	6.64E-83	0.542258	4.70E-37	0.697873
0.228046	6.34E-07	0.243526	9.88E-08	0.276619	1.20E-09	0.192005	2.95E-05	0.312656
0.358895	1.21E-15	0.205164	7.84E-06	0.662673	2.26E-60	0.385022	5.97E-18	0.626294
-0.18177	7.80E-05	-0.1853	5.61E-05	-0.35267	4.01E-15	-0.17652	0.00013	-0.27737
0.3909	1.69E-18	0.281764	5.69E-10	0.777815	7.70E-96	0.549621	3.24E-38	0.671665
-0.31387	3.90E-12	-0.17031	0.00022	-0.34569	1.49E-14	-0.17889	0.0001	-0.3544
0.38529	5.64E-18	0.357316	1.65E-15	0.342517	2.67E-14	0.233557	3.32E-07	0.386564
0.264518	6.45E-09	0.068075	0.14187	0.439377	1.83E-23	0.107224	0.02047	0.445317
0.268429	3.77E-09	0.419295	2.62E-21	0.480455	2.41E-28	0.384659	6.45E-18	0.482407
0.180202	9.01E-05	0.274872	1.53E-09	0.336165	8.43E-14	0.272248	2.22E-09	0.349141
0.367235	2.34E-16	0.571356	8.04E-42	0.469956	4.94E-27	0.545101	1.69E-37	0.504413
0.370018	1.34E-16	0.408349	3.41E-20	0.613322	1.36E-49	0.448848	1.57E-24	0.625427
0.225566	8.43E-07	0.227331	6.88E-07	0.411346	1.70E-20	0.212068	3.78E-06	0.505397
0.508913	3.91E-32	0.45688	1.84E-25	0.803847	#####	0.577597	6.61E-43	0.700171
0.21068	4.38E-06	0.376511	3.55E-17	0.339101	4.97E-14	0.323083	8.31E-13	0.404635
0.284978	3.55E-10	0.407485	4.16E-20	0.428038	3.14E-22	0.364254	4.24E-16	0.435172
0.252023	3.37E-08	0.126596	0.00615	0.311221	6.02E-12	0.18629	5.11E-05	0.336778
0.179215	9.86E-05	0.260252	1.15E-08	0.387302	3.67E-18	0.253737	2.70E-08	0.314038
0.42567	5.61E-22	0.371617	9.68E-17	0.697558	2.55E-69	0.435014	5.54E-23	0.625176
0.302592	2.41E-11	0.345302	1.60E-14	0.527093	9.50E-35	0.307607	1.08E-11	0.519255
0.169899	0.00023	0.176657	0.00012	0.382432	1.03E-17	0.152509	0.00095	0.41152
0.447616	2.17E-24	0.476299	8.07E-28	0.688516	7.04E-67	0.537774	2.32E-36	0.639073
0.304414	1.80E-11	0.396935	4.49E-19	0.590088	3.77E-45	0.411793	1.54E-20	0.624448
0.303678	2.03E-11	0.31073	6.53E-12	0.598281	1.12E-46	0.463451	3.04E-26	0.521972
0.549079	3.95E-38	0.575832	1.35E-42	0.822402	#####	0.689403	4.10E-67	0.697326
0.20686	6.57E-06	0.345168	1.64E-14	0.364942	3.70E-16	0.230127	4.97E-07	0.409682
0.412609	1.27E-20	0.480819	2.17E-28	0.757347	4.23E-88	0.584364	4.14E-44	0.650864
0.257045	1.75E-08	0.4246	7.29E-22	0.347932	9.79E-15	0.263508	7.40E-09	0.414824
-0.03739	0.42016	-0.09385	0.04265	-0.31668	2.45E-12	-0.11946	0.00977	-0.3082
0.318532	1.80E-12	0.418245	3.36E-21	0.710347	6.23E-73	0.541122	7.07E-37	0.665166
0.190167	3.53E-05	0.21805	1.97E-06	0.43001	1.93E-22	0.281201	6.18E-10	0.51166
0.275328	1.44E-09	0.121954	0.00833	0.294643	8.31E-11	0.151746	0.001	0.339377

0.451104	8.64E-25	0.333996	1.24E-13	0.680648	7.95E-65	0.397913	3.62E-19	0.584578
0.379807	1.79E-17	0.362247	6.30E-16	0.616774	2.76E-50	0.416978	4.54E-21	0.628602
0.214565	2.88E-06	0.319505	1.52E-12	0.313834	3.92E-12	0.286476	2.85E-10	0.418381
0.228521	6.00E-07	0.158207	0.0006	0.399643	2.46E-19	0.267576	4.25E-09	0.365362
-0.13248	0.00413	-0.28613	3.00E-10	-0.23951	1.62E-07	-0.18129	8.15E-05	-0.27705
0.1624	0.00043	0.185188	5.67E-05	0.314123	3.74E-12	0.254248	2.53E-08	0.318753
0.203515	9.31E-06	0.262953	7.97E-09	0.489971	1.43E-29	0.294075	9.06E-11	0.491911
0.402199	1.39E-19	0.506818	7.65E-32	0.656303	7.25E-59	0.536903	3.16E-36	0.595195
0.223695	1.04E-06	0.218469	1.88E-06	0.369156	1.59E-16	0.255684	2.09E-08	0.344662
-0.18636	5.08E-05	-0.35362	3.35E-15	-0.42618	4.95E-22	-0.32975	2.62E-13	-0.47123
-0.03495	0.45121	-0.07053	0.12801	-0.25053	4.08E-08	-0.08629	0.06243	-0.34496
0.376074	3.89E-17	0.227831	6.50E-07	0.309846	7.54E-12	0.296277	6.46E-11	0.309226
0.309613	7.83E-12	0.497749	1.32E-30	0.482761	1.23E-28	0.440324	1.44E-23	0.431811
0.396019	5.50E-19	0.309965	7.39E-12	0.506826	7.63E-32	0.286161	2.98E-10	0.482719
0.41876	2.97E-21	0.507898	5.42E-32	0.694696	1.55E-68	0.543051	3.54E-37	0.663164
0.209323	5.07E-06	0.397317	4.13E-19	0.376767	3.37E-17	0.402788	1.21E-19	0.382356
0.357497	1.59E-15	0.42191	1.40E-21	0.617148	2.32E-50	0.431675	1.28E-22	0.631721
0.357118	1.71E-15	0.253853	2.66E-08	0.704472	3.01E-71	0.461077	5.85E-26	0.688936
0.278427	9.23E-10	0.383071	9.02E-18	0.409866	2.40E-20	0.319475	1.53E-12	0.424227
0.204721	8.21E-06	0.194852	2.23E-05	0.364219	4.27E-16	0.18518	5.68E-05	0.383645
0.502228	3.27E-31	0.598319	1.11E-46	0.708931	1.60E-72	0.604508	7.27E-48	0.626398
0.23981	1.56E-07	0.183901	6.40E-05	0.285648	3.22E-10	0.204572	8.34E-06	0.290252
0.526778	1.06E-34	0.628803	9.13E-53	0.767802	5.92E-92	0.654246	2.18E-58	0.728591
0.372158	8.68E-17	0.232484	3.77E-07	0.525329	1.73E-34	0.210878	4.29E-06	0.567455
0.290242	1.62E-10	0.209612	4.91E-06	0.498796	9.57E-31	0.318325	1.86E-12	0.514426
0.228438	6.05E-07	0.214755	2.82E-06	0.367552	2.20E-16	0.276355	1.24E-09	0.384022
0.508481	4.50E-32	0.425442	5.93E-22	0.807167	#####	0.571091	8.94E-42	0.68213
0.447006	2.55E-24	0.479301	3.38E-28	0.56786	3.19E-41	0.541353	6.51E-37	0.546066
0.233396	3.38E-07	0.309102	8.50E-12	0.313805	3.94E-12	0.318765	1.73E-12	0.297909
0.372275	8.47E-17	0.383147	8.88E-18	0.564428	1.21E-40	0.404279	8.65E-20	0.541757
0.431234	1.43E-22	0.253499	2.78E-08	0.476979	6.63E-28	0.261144	1.02E-08	0.429186
0.203232	9.58E-06	0.333669	1.32E-13	0.419962	2.23E-21	0.399127	2.76E-19	0.387381
0.426018	5.16E-22	0.398462	3.20E-19	0.568857	2.16E-41	0.469105	6.28E-27	0.488626
0.284928	3.58E-10	0.232831	3.62E-07	0.364712	3.87E-16	0.239567	1.61E-07	0.257378
0.525918	1.42E-34	0.543575	2.93E-37	0.807012	#####	0.653973	2.52E-58	0.747657
0.312515	4.87E-12	0.269411	3.30E-09	0.278213	9.52E-10	0.206482	6.84E-06	0.338932
0.262774	8.17E-09	0.206636	6.73E-06	0.297415	5.42E-11	0.190671	3.36E-05	0.364611
0.41798	3.58E-21	0.381153	1.35E-17	0.385098	5.87E-18	0.373792	6.22E-17	0.403827
0.024743	0.59379	0.241282	1.30E-07	0.276086	1.29E-09	0.295162	7.67E-11	0.269993
0.317036	2.31E-12	0.389797	2.14E-18	0.556814	2.22E-39	0.449548	1.30E-24	0.574788
0.333521	1.35E-13	0.240283	1.47E-07	0.456756	1.90E-25	0.240041	1.52E-07	0.406384
0.059962	0.19585	-0.22915	5.57E-07	-0.01506	0.7455	-0.21197	3.82E-06	-0.10198
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0.124028	0.00729	0.242514	1.12E-07	0.260623	1.09E-08	0.179956	9.21E-05	0.184073
-0.08552	0.06483	-0.09908	0.03231	-0.02521	0.58682	0.094934	0.0403	-0.126

0.118785	0.01019	-0.1476	0.00138	0.064128	0.16651	0.079126	0.08763	-0.07368
-0.00384	0.93401	-0.3035	2.09E-11	-0.05156	0.26615	-0.04661	0.31483	-0.15969
-0.02837	0.54081	-0.09178	0.04745	-0.1677	0.00027	-0.16236	0.00043	-0.14852
0.234008	3.14E-07	-0.3291	2.94E-13	-0.19676	1.85E-05	-0.28601	3.05E-10	-0.22369
0.125976	0.00641	-0.00868	0.85158	-0.02125	0.64688	0.021499	0.64307	-0.20557
0.133738	0.00379	-0.15273	0.00093	0.018772	0.68577	0.032063	0.48943	-0.13588
0.092313	0.04617	-0.10212	0.02734	-0.06031	0.19329	-0.0552	0.2338	-0.13504
-0.00764	0.86923	-0.09439	0.04147	-0.15053	0.0011	-0.12073	0.00901	-0.17757
0.160283	0.00051	-0.12439	0.00712	-0.00464	0.92034	-0.02481	0.59276	-0.0909
0.054242	0.24204	-0.10389	0.02475	0.033148	0.47484	0.022714	0.62442	-0.05671
-0.10064	0.02966	0.087677	0.05832	-0.089	0.0546	-0.10383	0.02485	0.017187
-0.05634	0.22429	-0.1595	0.00054	-0.12583	0.00648	-0.04505	0.33138	-0.18029
0.139959	0.00243	-0.16908	0.00024	-0.00785	0.86559	0.016444	0.72302	-0.14033
0.010724	0.8172	-0.17865	0.0001	-0.12477	0.00694	-0.0741	0.10978	-0.20276
0.114228	0.01351	-0.12367	0.00746	0.080299	0.08302	0.079037	0.08799	-0.13173
0.256041	2.00E-08	0.001238	0.97871	0.137788	0.00285	0.139806	0.00246	0.13332
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0.065116	0.16005	-0.13329	0.00391	-0.01097	0.81316	-0.02529	0.58565	0.028557
0.056883	0.21984	-0.14062	0.00232	0.02982	0.52033	-0.01652	0.72175	-0.04876
0.155137	0.00077	-0.01651	0.7219	-0.06104	0.18792	0.020983	0.65106	-0.10573
0.123986	0.00731	-0.16062	0.00049	-0.00336	0.94229	-0.059	0.20313	-0.04076
0.00633	0.89149	-0.25679	1.81E-08	-0.1326	0.0041	-0.15513	0.00077	-0.21925
0.090382	0.05095	0.183415	6.69E-05	0.096661	0.03678	-0.0052	0.91082	0.195047
0.015672	0.73552	0.219489	1.68E-06	0.142374	0.00204	0.108739	0.01875	0.209215
-0.04375	0.34545	-0.28047	6.88E-10	-0.16867	0.00025	-0.06861	0.13876	-0.30884
0.369792	1.40E-16	-0.04066	0.38066	-0.06301	0.17404	0.004259	0.92687	-0.14709
-0.06594	0.15483	-0.19449	2.32E-05	-0.0053	0.90897	0.026644	0.56574	-0.14778
0.103765	0.02493	-0.05571	0.22952	-0.07147	0.12298	-0.08635	0.06224	-0.14107
0.136984	0.00301	-0.00614	0.89466	0.012443	0.78855	0.005831	0.89999	-0.06447
0.187956	4.36E-05	-0.10856	0.01894	-0.04585	0.32282	-0.00571	0.90211	-0.12442
0.108413	0.01911	-0.02715	0.55837	-0.01511	0.74467	-0.01916	0.67964	-0.00348
0.189986	3.59E-05	-0.08954	0.05315	0.142016	0.0021	0.042313	0.36158	0.046347
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0.11705	0.01136	0.015622	0.73634	0.135569	0.00333	0.104305	0.02419	0.201128
0.132401	0.00415	0.005159	0.91147	0.12081	0.00897	0.114164	0.01357	-0.00056
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0.203405	9.41E-06	-0.11192	0.01553	0.047534	0.30534	0.0386	0.40528	-0.0101
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0.25412	2.57E-08	-0.00942	0.8391	-0.03749	0.41895	0.004503	0.92269	-0.07824
0.119189	0.00994	-0.23734	2.11E-07	0.075323	0.10402	-0.06744	0.14562	-0.08816
0.112689	0.01483	-0.00025	0.99562	0.068737	0.13802	0.049402	0.28671	0.066208
0.042569	0.35869	-0.11372	0.01394	0.112122	0.01535	0.169346	0.00024	-0.00153
0.010537	0.82034	-0.04054	0.38205	-0.098	0.03425	-0.02865	0.53678	-0.16531
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0.118467	0.0104	-0.15031	0.00112	0.097326	0.0355	0.060776	0.18983	-0.01996

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0.034387	0.45848	0.092688	0.04529	-0.0753	0.10414	-0.14225	0.00206	0.019412
0.245943	7.30E-08	0.101849	0.02775	0.124626	0.00701	0.17556	0.00014	0.021768
0.059458	0.19964	-0.07086	0.12622	-0.04452	0.33706	0.037387	0.42021	-0.18087
0.099557	0.03147	-0.08058	0.08196	0.100041	0.03065	0.063838	0.16843	-0.07321
0.175715	0.00014	0.030645	0.50886	0.131217	0.00451	0.118706	0.01024	-0.05567
0.180807	8.52E-05	0.016719	0.71858	0.221251	1.38E-06	0.15767	0.00063	0.125611
0.262481	8.50E-09	0.110345	0.01706	0.179626	9.49E-05	0.123246	0.00767	0.143406
0.002261	0.96113	-0.18429	6.17E-05	0.005797	0.90057	-0.02864	0.53695	-0.1552
0.098445	0.03343	0.007579	0.87025	-0.11025	0.01715	-0.07005	0.13064	-0.06588
-0.19782	1.66E-05	-0.07098	0.12558	0.05054	0.27574	-0.00251	0.95679	0.081098
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0.082615	0.07449	-0.14253	0.00202	-0.12175	0.00844	-0.10846	0.01905	-0.13248
0.141236	0.00222	0.082106	0.0763	0.202501	1.03E-05	0.236163	2.43E-07	0.045319
0.029831	0.52018	-0.09529	0.03955	-0.02348	0.6127	-0.02353	0.61195	-0.09625
0.02653	0.5674	-0.20069	1.24E-05	-0.2158	2.52E-06	-0.23825	1.89E-07	-0.18858
-0.04461	0.33603	0.05274	0.25535	0.03478	0.45337	0.017174	0.71127	0.175186
0.149999	0.00115	0.241275	1.30E-07	0.263583	7.32E-09	0.144911	0.00169	0.28474
0.002757	0.95262	0.173992	0.00016	0.057567	0.21434	0.094865	0.04045	0.101428
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-0.03233	0.48586	0.185877	5.31E-05	0.150059	0.00114	0.083672	0.07084	0.215069
-0.11264	0.01487	-0.21078	4.34E-06	-0.13494	0.00348	-0.0104	0.82263	-0.24219
-0.03951	0.39432	-0.17198	0.00019	-0.03099	0.50406	0.063932	0.16781	-0.18202
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0.023811	0.60777	0.092981	0.04461	0.063217	0.17262	-0.01382	0.76582	0.119965
0.004548	0.92191	-0.29158	1.32E-10	-0.0781	0.09183	-0.0884	0.05628	-0.2231
0.002207	0.96207	-0.20167	1.13E-05	-0.07268	0.11677	-0.0377	0.41638	-0.1764
0.039084	0.39942	0.110229	0.01717	0.04472	0.3349	-0.07112	0.12486	0.168584
-0.12882	0.0053	-0.35337	3.51E-15	-0.28752	2.44E-10	-0.24509	8.12E-08	-0.28719
0.024983	0.59021	-0.21353	3.23E-06	-0.22876	5.83E-07	-0.1663	0.00031	-0.26867
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0.093644	0.0431	0.18133	8.12E-05	0.016445	0.72301	-0.05108	0.27059	0.11576
0.278687	8.89E-10	0.009444	0.8387	0.256881	1.79E-08	0.212216	3.72E-06	0.099262
0.270268	2.93E-09	0.109987	0.01742	0.226893	7.24E-07	0.159368	0.00055	0.138157
0.052773	0.25505	-0.26289	8.04E-09	0.013192	0.77616	-0.05667	0.22156	-0.02536
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0.04902	0.29045	-0.05761	0.214	0.007029	0.87959	0.090898	0.04963	-0.04943
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0.131401	0.00445	-0.0502	0.27895	0.059175	0.20179	0.060366	0.19284	0.054051
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0.095602	0.03891	-0.21949	1.68E-06	-0.13889	0.00263	-0.10498	0.02328	-0.21271

0.24639	6.90E-08	0.075934	0.10123	0.208096	5.77E-06	0.124852	0.0069	0.075617
-0.02562	0.58072	-0.08296	0.0733	-0.18908	3.92E-05	-0.12345	0.00757	-0.15259
0.035445	0.44478	-0.09842	0.03348	0.128729	0.00534	0.021302	0.64612	0.036364
0.047581	0.30486	-0.21658	2.31E-06	-0.17512	0.00014	-0.222	1.26E-06	-0.15644
0.043153	0.35212	-0.19303	2.67E-05	-0.16366	0.00038	-0.14649	0.0015	-0.2235
0.222896	1.14E-06	0.155659	0.00074	0.201633	1.13E-05	0.187899	4.39E-05	0.091547
0.106644	0.02117	-0.07777	0.0932	-0.10416	0.02438	-0.08666	0.06132	-0.12154
0.094133	0.04202	0.13695	0.00302	-0.02824	0.54268	-0.08908	0.05439	0.136308
-0.03376	0.46673	-0.1343	0.00364	-0.10621	0.0217	-0.05207	0.26146	-0.16172
0.216571	2.32E-06	-0.10584	0.02217	-0.11876	0.01021	-0.05114	0.27005	-0.16889
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0.199295	1.43E-05	0.069838	0.13181	0.150691	0.00109	0.133423	0.00387	0.030309
-0.12362	0.00748	-0.23834	1.87E-07	-0.26898	3.50E-09	-0.13364	0.00381	-0.31716
-0.05961	0.19847	-0.18329	6.77E-05	-0.18951	3.76E-05	-0.08296	0.07329	-0.21712
0.133552	0.00384	0.013659	0.76845	0.157272	0.00065	0.128338	0.00548	0.023262
-0.00309	0.94698	-0.18226	7.45E-05	-0.07876	0.08913	0.002769	0.95242	-0.18943
0.040819	0.3788	-0.23466	2.91E-07	-0.06256	0.17712	-0.06627	0.15275	-0.15279
-0.07152	0.12273	-0.00066	0.98858	-0.05215	0.2607	-0.11886	0.01015	0.059118
-0.03078	0.50704	-0.02365	0.61025	0.015454	0.73907	-0.07272	0.11656	0.083375
0.036488	0.43148	-0.16271	0.00042	-0.13822	0.00276	-0.06864	0.13861	-0.25948
0.003304	0.94324	-0.08466	0.06758	-0.2088	5.36E-06	-0.09411	0.04208	-0.19902
0.162786	0.00041	-0.04242	0.36033	-0.03147	0.49757	-0.02762	0.55155	-0.09863
0.012101	0.79423	-0.10666	0.02115	0.008409	0.85618	-0.02167	0.64039	-0.093
0.150488	0.00111	0.095819	0.03846	0.195309	2.13E-05	0.175984	0.00013	0.030711
0.126004	0.0064	0.148004	0.00134	0.126271	0.00629	0.2068	6.61E-06	0.047887
0.386885	4.01E-18	0.231066	4.45E-07	0.276821	1.16E-09	0.229277	5.49E-07	0.232562
0.229039	5.65E-07	-0.00757	0.87036	0.160041	0.00052	0.128311	0.00549	0.008842
-0.02004	0.66576	-0.19522	2.15E-05	-0.18467	5.96E-05	-0.11028	0.01712	-0.31285
0.05488	0.23654	-0.13869	0.00267	0.036675	0.42912	-0.01235	0.79015	-0.11868
0.048585	0.29476	-0.10943	0.018	-0.1185	0.01038	-0.09507	0.04002	-0.14578
0.019726	0.6707	-0.10453	0.02388	-0.11728	0.0112	-0.05126	0.26895	-0.20214
0.220626	1.48E-06	0.152323	0.00096	0.138495	0.00271	0.191604	3.07E-05	-0.01014
0.061854	0.18208	-0.33556	9.39E-14	-0.19533	2.13E-05	-0.27792	9.93E-10	-0.1619
0.055827	0.22853	-0.10254	0.02671	-0.12656	0.00617	-0.17117	0.0002	-0.05387
0.105399	0.02273	0.280713	6.63E-10	0.001306	0.97754	-0.01744	0.70701	0.178606
-0.0777	0.09352	-0.42076	1.84E-21	-0.19937	1.42E-05	-0.21124	4.13E-06	-0.33597
-0.05931	0.20077	-0.25328	2.87E-08	-0.22679	7.32E-07	-0.2018	1.11E-05	-0.27485
-0.10641	0.02145	-0.26379	7.12E-09	-0.06297	0.17431	-0.10905	0.01841	-0.22345
0.049018	0.29047	-0.07118	0.12455	-0.01757	0.70498	0.088152	0.05696	-0.15476
-0.12986	0.00494	-0.19156	3.08E-05	-0.21179	3.89E-06	-0.10845	0.01907	-0.21223
0.164236	0.00037	0.198643	1.53E-05	0.106246	0.02166	0.031185	0.50142	0.214951
-0.18928	3.84E-05	-0.07414	0.1096	-0.06241	0.17818	0.088286	0.05659	-0.11122
0.053117	0.25196	-0.19251	2.81E-05	-0.12186	0.00839	-0.05331	0.25027	-0.21657
-0.03467	0.45486	-0.20465	8.28E-06	-0.1471	0.00143	-0.09107	0.04921	-0.22883
-0.03957	0.39363	-0.22085	1.44E-06	0.060847	0.18932	0.090434	0.05081	-0.01555

0.050358	0.27747	0.139725	0.00248	-0.17755	0.00011	-0.05477	0.23745	-0.16246
0.070504	0.12816	-0.0618	0.18249	0.368227	1.92E-16	0.106807	0.02097	0.318647
0.089354	0.05365	-0.0813	0.07923	0.314087	3.76E-12	0.128231	0.00552	0.28933
0.062267	0.17918	-0.11345	0.01416	0.292431	1.16E-10	0.128913	0.00527	0.210348
0.116433	0.0118	0.000626	0.98924	0.254655	2.40E-08	0.103764	0.02494	0.177602
0.203802	9.03E-06	0.028784	0.53493	0.401044	1.80E-19	0.196302	1.93E-05	0.493725
0.135069	0.00345	0.016993	0.71416	0.26134	9.90E-09	0.101036	0.02902	0.262612
0.046342	0.31764	-0.07883	0.08883	0.361718	6.99E-16	0.01482	0.7494	0.346967
0.10925	0.01819	-0.01606	0.72922	0.440425	1.40E-23	0.073388	0.11324	0.606633
0.194853	2.23E-05	0.106026	0.02193	0.575802	1.36E-42	0.356324	1.99E-15	0.517519
-0.11699	0.0114	0.069589	0.1332	-0.24568	7.55E-08	0.009107	0.84439	-0.32604
-0.13085	0.00462	-0.30415	1.88E-11	0.298469	4.60E-11	0.131923	0.00429	0.147998
0.032268	0.48666	0.162238	0.00043	-0.24234	1.14E-07	-0.11304	0.01452	-0.16754
0.081365	0.079	-0.03539	0.44546	0.223693	1.04E-06	0.11115	0.01626	0.231347
0.016001	0.73019	0.102315	0.02704	-0.30851	9.35E-12	-0.18651	5.01E-05	-0.27031
0.26452	6.45E-09	-0.00155	0.97334	0.607014	2.37E-48	0.233742	3.25E-07	0.560154
0.091781	0.04745	-0.20258	1.02E-05	0.305126	1.61E-11	0.127043	0.00597	0.214902
0.124558	0.00704	0.433274	8.57E-23	-0.162	0.00044	0.069108	0.1359	-0.11471
0.05873	0.20521	-0.00956	0.83678	0.15348	0.00088	-0.00797	0.8636	0.240854
0.254112	2.57E-08	0.055836	0.22846	0.684837	6.54E-66	0.35305	3.73E-15	0.562732
0.027305	0.55614	0.140943	0.00227	-0.33366	1.32E-13	-0.02647	0.56826	-0.32782
0.065552	0.15727	0.260029	1.18E-08	-0.26399	6.93E-09	-0.0699	0.13146	-0.20984
-0.13511	0.00344	-0.5262	1.29E-34	0.032007	0.4902	-0.17831	0.00011	-0.09307
0.078302	0.09099	0.198349	1.58E-05	-0.13345	0.00386	0.050731	0.27392	-0.10029
0.444633	4.73E-24	-0.08511	0.06611	0.544155	2.38E-37	0.110813	0.01659	0.435789
-0.01221	0.79244	0.176898	0.00012	-0.25687	1.79E-08	-0.12431	0.00715	-0.11781
0.105086	0.02314	0.582048	1.08E-43	-0.0937	0.04298	0.228611	5.93E-07	0.000212
0.191481	3.11E-05	-0.07203	0.12007	0.606332	3.22E-48	0.200823	1.23E-05	0.51719
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0.216243	2.40E-06	-0.02624	0.57169	0.597375	1.67E-46	0.350619	5.91E-15	0.48223
0.214282	2.97E-06	0.085076	0.06622	0.573348	3.64E-42	0.212911	3.45E-06	0.485461
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0.27087	2.69E-09	0.353613	3.35E-15	0.071272	0.12404	0.226275	7.77E-07	0.067817
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0.120163	0.00934	-0.0554	0.23211	0.312472	4.91E-12	0.14612	0.00154	0.300138
0.070877	0.12614	0.108125	0.01943	0.324373	6.66E-13	0.15767	0.00063	0.376425
0.218822	1.81E-06	0.079735	0.08521	0.542278	4.67E-37	0.318171	1.91E-12	0.498352
0.042674	0.3575	0.392158	1.28E-18	-0.18481	5.87E-05	0.148504	0.00129	-0.11943
0.150969	0.00107	-0.04476	0.33444	0.560892	4.72E-40	0.228714	5.86E-07	0.463406
0.090583	0.05043	0.151606	0.00101	-0.1536	0.00087	0.057375	0.21587	-0.18704
0.146699	0.00148	-0.0905	0.05063	0.279979	7.38E-10	-0.03004	0.51733	0.20156
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0.068149	0.14144	0.224813	9.19E-07	-0.23042	4.80E-07	0.027769	0.54943	-0.20813
-0.00127	0.97809	0.021619	0.64123	0.286928	2.66E-10	0.148751	0.00126	0.249984
0.131441	0.00444	0.052621	0.25643	0.244529	8.72E-08	0.094635	0.04094	0.313379

0.132484	0.00413	0.036232	0.43472	0.439905	1.60E-23	0.236858	2.23E-07	0.363944
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0.059031	0.20289	0.005033	0.91363	0.301075	3.06E-11	0.187825	4.42E-05	0.22013
0.080599	0.08187	-0.21313	3.37E-06	0.383878	7.61E-18	0.073212	0.1141	0.317782
-0.01514	0.74424	0.193299	2.60E-05	-0.35817	1.40E-15	-0.15554	0.00074	-0.28078
0.09269	0.04529	-0.02368	0.6097	0.257005	1.76E-08	0.097122	0.03589	0.304808
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0.019946	0.66725	-0.13099	0.00458	0.431664	1.28E-22	0.210853	4.30E-06	0.324622
0.173518	0.00016	0.033048	0.47618	0.30659	1.27E-11	0.120873	0.00893	0.253147
0.209504	4.97E-06	0.014973	0.7469	0.414044	9.07E-21	0.170548	0.00021	0.299806
-0.04919	0.28875	0.102702	0.02646	-0.26079	1.07E-08	-0.03937	0.396	-0.23116
-0.06155	0.18427	0.223578	1.06E-06	-0.29436	8.67E-11	-0.03547	0.4444	-0.26461
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-0.10289	0.02619	0.230778	4.61E-07	-0.2911	1.42E-10	0.056178	0.22562	-0.34993
-0.05937	0.20033	-0.11025	0.01716	0.33374	1.30E-13	0.211073	4.20E-06	0.287799
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-0.02699	0.56074	-0.05133	0.26827	0.355165	2.49E-15	0.172534	0.00018	0.317079
-0.19653	1.89E-05	0.051171	0.26977	-0.55619	2.81E-39	-0.25474	2.37E-08	-0.43116
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0.162361	0.00043	-0.0124	0.78924	0.451516	7.74E-25	0.222446	1.20E-06	0.351532
0.175083	0.00014	-0.0895	0.05326	0.546803	9.09E-38	0.250745	3.97E-08	0.446658
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0.067997	0.14233	0.223022	1.13E-06	-0.16022	0.00051	0.047875	0.30188	-0.12711
0.196484	1.90E-05	0.367952	2.03E-16	-0.03074	0.50748	0.111784	0.01566	-0.07202
0.083322	0.07203	-0.12638	0.00624	0.385798	5.06E-18	0.045164	0.33011	0.298086
0.2343	3.04E-07	0.099697	0.03124	0.55553	3.60E-39	0.333213	1.43E-13	0.360616
0.108938	0.01853	0.00044	0.99244	0.292242	1.20E-10	0.085183	0.06588	0.300401
0.004454	0.92353	0.298096	4.87E-11	-0.26087	1.05E-08	0.010012	0.82915	-0.17753
-0.29328	1.02E-10	0.066085	0.15392	-0.57586	1.33E-42	-0.2179	2.00E-06	-0.49125
0.286245	2.95E-10	0.081304	0.07923	0.42919	2.37E-22	0.159906	0.00052	0.367396
0.078743	0.08918	-0.0961	0.03789	0.376853	3.31E-17	0.168564	0.00025	0.282995
0.153163	0.0009	-0.0004	0.99316	0.432737	9.80E-23	0.207043	6.45E-06	0.389444
0.15155	0.00102	-0.1175	0.01105	0.456948	1.80E-25	0.189373	3.81E-05	0.344965
0.10077	0.02945	-0.12099	0.00886	0.278507	9.12E-10	0.115268	0.01268	0.175202
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0.03848	0.40675	-0.36159	7.16E-16	0.063605	0.16999	-0.20718	6.36E-06	-0.05363
0.154165	0.00083	0.033859	0.46542	0.602825	1.53E-47	0.336935	7.34E-14	0.544949
0.008945	0.84713	-0.15174	0.001	0.145529	0.00161	-0.05002	0.28068	0.154762
0.045979	0.32146	-0.17302	0.00017	0.283562	4.38E-10	-0.00475	0.91847	0.304547
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0.008631	0.85244	-0.0986	0.03315	0.214396	2.94E-06	0.059819	0.19692	0.199965
0.258581	1.43E-08	0.022048	0.63461	0.436891	3.45E-23	0.14529	0.00164	0.379247
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0.12274	0.00792	-0.12905	0.00522	0.304736	1.71E-11	0.012055	0.795	0.334962

0.113467	0.01415	-0.26336	7.54E-09	0.403449	1.04E-19	0.03986	0.39011	0.372601
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0.080572	0.08198	-0.12521	0.00674	0.211625	3.96E-06	0.026009	0.57504	0.148123
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0.122038	0.00829	0.015241	0.74254	0.291702	1.30E-10	0.112806	0.01473	0.260684
0.119187	0.00994	0.104832	0.02347	0.314239	3.67E-12	0.060462	0.19213	0.329613
0.156572	0.00069	-0.06707	0.14784	0.354169	3.01E-15	0.05698	0.21905	0.407705
0.107151	0.02056	-0.0877	0.05824	0.352148	4.43E-15	0.132873	0.00402	0.212341
0.102573	0.02665	0.265253	5.84E-09	-0.07211	0.11968	0.034921	0.45153	0.010892
0.042378	0.36085	-0.17294	0.00017	0.096078	0.03794	-0.08217	0.07608	0.228232
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0.050597	0.27519	-0.25213	3.32E-08	0.301609	2.81E-11	-0.02336	0.61454	0.397658
0.299694	3.80E-11	0.080292	0.08305	0.549297	3.65E-38	0.24054	1.43E-07	0.499666
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0.272491	2.14E-09	-0.10078	0.02944	0.583297	6.43E-44	0.265172	5.90E-09	0.468626
0.172002	0.00019	-0.04599	0.32137	0.27736	1.08E-09	0.046712	0.31379	0.13548
0.082842	0.07369	-0.3018	2.73E-11	0.383216	8.75E-18	-0.03128	0.50012	0.271636
0.025323	0.58517	-0.1329	0.00402	0.452307	6.27E-25	0.23583	2.53E-07	0.377993
0.032443	0.4843	-0.36335	5.07E-16	0.198725	1.52E-05	-0.05604	0.22677	0.118219
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0.19514	2.17E-05	-0.03769	0.41644	0.287487	2.45E-10	0.046365	0.3174	0.298619
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0.1098	0.01761	-0.04305	0.35323	0.2593	1.30E-08	0.073709	0.11166	0.236653
0.177851	0.00011	0.012744	0.78356	0.237934	1.96E-07	0.107069	0.02066	0.217414
0.102908	0.02616	-0.08758	0.05861	0.205267	7.76E-06	0.00554	0.90496	0.255133
0.121069	0.00882	0.031098	0.50261	0.262224	8.79E-09	0.068754	0.13792	0.227355
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0.184592	6.00E-05	-0.05655	0.22257	0.268516	3.73E-09	-0.044	0.34274	0.212964
-0.00658	0.88727	-0.28749	2.45E-10	0.338958	5.10E-14	0.045943	0.32183	0.259676
0.113031	0.01453	-0.12322	0.00768	0.226214	7.83E-07	-0.02857	0.53804	0.140804
0.067697	0.1441	-0.17168	0.00019	0.251623	3.55E-08	0.098983	0.03247	0.219812
0.143263	0.00191	0.273989	1.74E-09	-0.11515	0.01277	0.01886	0.68437	-0.12981
0.099591	0.03142	-0.18099	8.38E-05	0.464309	2.40E-26	0.222438	1.20E-06	0.34743
-0.06684	0.14927	0.328045	3.53E-13	-0.18641	5.05E-05	0.157134	0.00065	-0.2137
-0.03823	0.40981	0.138722	0.00266	-0.27988	7.48E-10	-0.06358	0.17014	-0.20645
0.076621	0.09817	-0.10473	0.02361	0.527156	9.30E-35	0.260555	1.10E-08	0.410399
-0.01755	0.7053	0.265478	5.66E-09	-0.22826	6.18E-07	-0.02274	0.62398	-0.18826
-0.06559	0.15704	-0.06675	0.14981	0.309249	8.30E-12	0.158416	0.00059	0.264096
-0.09187	0.04724	0.119253	0.0099	-0.40333	1.07E-19	-0.14457	0.00173	-0.34584
-0.03411	0.46209	0.233832	3.21E-07	-0.41649	5.09E-21	-0.10142	0.02842	-0.35763
0.051615	0.26564	-0.04345	0.3488	0.315683	2.89E-12	0.134965	0.00348	0.310254
0.087703	0.05824	0.388121	3.08E-18	-0.18637	5.07E-05	-0.01839	0.69178	-0.09291
0.083684	0.0708	-0.2069	6.54E-06	0.483405	1.01E-28	0.181882	7.72E-05	0.394335
0.135925	0.00325	0.414881	7.45E-21	-0.13565	0.00331	0.121644	0.0085	-0.08636



-0.03034	0.5131	-0.31103	6.21E-12	0.158005	0.00061	-0.08135	0.07907	0.145084
-0.0553	0.23298	-0.17753	0.00011	0.153169	0.0009	0.075742	0.1021	0.123535
0.233241	3.44E-07	-0.23969	1.58E-07	0.127432	0.00582	-0.18479	5.89E-05	0.136741
0.029638	0.52289	0.053697	0.24681	-0.26884	3.57E-09	-0.05405	0.24371	-0.2645
-0.04163	0.36938	0.01445	0.75546	-0.24097	1.35E-07	-0.13468	0.00355	-0.12304
-0.0807	0.08149	0.256825	1.80E-08	-0.31284	4.62E-12	0.000439	0.99245	-0.29494
0.215655	2.56E-06	0.155887	0.00072	0.407909	3.77E-20	0.115491	0.01251	0.400232
0.055421	0.23194	-0.04474	0.33466	0.243091	1.04E-07	0.044336	0.33907	0.212312
-0.09156	0.04799	-0.21922	1.73E-06	0.188813	4.02E-05	0.013877	0.76487	0.188141
-0.13747	0.00291	-0.33355	1.34E-13	0.112597	0.01491	-0.07813	0.09169	0.077962
0.062233	0.17941	-0.10846	0.01906	0.192006	2.95E-05	0.003762	0.93537	0.124661
0.24137	1.29E-07	0.005058	0.91319	0.298102	4.87E-11	0.126071	0.00637	0.242624
0.102704	0.02646	-0.03395	0.46418	0.574451	2.34E-42	0.325025	5.96E-13	0.454847
-0.17108	0.0002	-0.52795	7.08E-35	0.016077	0.72895	-0.27589	1.33E-09	-0.05563
0.341644	3.13E-14	0.484801	6.71E-29	0.284641	3.74E-10	0.401718	1.54E-19	0.207576
0.029593	0.52352	-0.16798	0.00027	0.160744	0.00049	0.031314	0.49965	0.187147
0.019322	0.67707	-0.24126	1.31E-07	0.329299	2.84E-13	0.152286	0.00096	0.208046
0.06359	0.1701	0.223403	1.08E-06	-0.12346	0.00756	0.124445	0.00709	-0.15009
-0.06975	0.13232	-0.37034	1.25E-16	0.143497	0.00188	0.026607	0.56628	0.033676
0.302659	2.38E-11	0.258208	1.50E-08	-0.31148	5.77E-12	-0.11535	0.01262	-0.22524
-0.17495	0.00014	0.048108	0.29953	-0.41744	4.07E-21	-0.19695	1.81E-05	-0.32513
0.177584	0.00011	-0.06893	0.13689	0.468875	6.70E-27	0.180303	8.92E-05	0.441106
0.090381	0.05095	-0.01838	0.69203	0.435648	4.72E-23	0.229602	5.29E-07	0.397125
0.071258	0.12411	-0.18728	4.65E-05	0.382578	1.00E-17	0.015777	0.73382	0.37687
0.249655	4.57E-08	0.44651	2.90E-24	-0.03471	0.45433	0.166483	0.0003	-0.00157
0.103088	0.0259	-0.32386	7.27E-13	0.262542	8.43E-09	-0.18801	4.34E-05	0.275385
0.106096	0.02184	-0.19228	2.87E-05	0.332243	1.69E-13	0.104295	0.0242	0.221893
0.118484	0.01039	0.308401	9.52E-12	-0.04862	0.29437	0.177719	0.00011	-0.14239
-0.09465	0.04091	0.165335	0.00033	-0.37563	4.26E-17	-0.14347	0.00188	-0.32958
0.076931	0.09681	-0.03293	0.47783	0.327827	3.67E-13	0.153799	0.00085	0.348201
0.109088	0.01837	0.243207	1.03E-07	-0.12202	0.0083	-0.04215	0.36341	-0.11352
0.465261	1.84E-26	-0.03441	0.45813	0.472716	2.26E-27	0.152912	0.00092	0.406477
0.435549	4.84E-23	0.342412	2.72E-14	-0.14919	0.00122	-0.02853	0.53852	-0.07453
0.345903	1.43E-14	0.241826	1.22E-07	-0.25844	1.46E-08	-0.1514	0.00103	-0.15608
0.163366	0.00039	-0.1348	0.00352	0.327672	3.77E-13	0.122498	0.00805	0.292997
0.175701	0.00014	0.349697	7.03E-15	-0.1627	0.00042	0.032885	0.47836	-0.1827
0.355685	2.25E-15	0.390423	1.87E-18	-0.04567	0.32474	0.202137	1.07E-05	-0.02401
-0.01468	0.75169	0.165101	0.00034	-0.21967	1.64E-06	0.007745	0.86744	-0.1878
0.174463	0.00015	-0.11749	0.01105	0.323673	7.51E-13	0.026093	0.57381	0.312645
0.175278	0.00014	-0.27022	2.95E-09	0.277345	1.08E-09	-0.03709	0.42393	0.156928
0.066923	0.14875	-0.21663	2.30E-06	0.330466	2.32E-13	0.014644	0.75228	0.324377
0.12014	0.00936	-0.18971	3.69E-05	0.398516	3.16E-19	0.058848	0.2043	0.36173
-0.03416	0.46149	-0.38416	7.17E-18	0.266991	4.60E-09	-0.08606	0.06313	0.169273
-0.0167	0.71888	0.119554	0.00971	-0.16629	0.00031	0.002685	0.95385	-0.24979
0.034103	0.46221	0.168769	0.00025	-0.21722	2.15E-06	0.0209	0.65236	-0.11614

0.000199	0.99657	-0.10271	0.02645	0.273125	1.96E-09	0.146321	0.00152	0.234213
0.212823	3.48E-06	-0.1041	0.02447	0.600558	4.16E-47	0.247865	5.73E-08	0.47952
-0.04187	0.36665	0.267987	4.01E-09	-0.29802	4.94E-11	-0.08783	0.05788	-0.25337
0.138566	0.00269	-0.044	0.34277	0.253808	2.68E-08	0.0577	0.21328	0.205554
0.17234	0.00018	0.093908	0.04252	0.346576	1.26E-14	0.191427	3.12E-05	0.316619
0.121502	0.00858	-0.11448	0.0133	0.295644	7.12E-11	0.022256	0.63143	0.287171
0.064983	0.16091	0.194841	2.24E-05	-0.24922	4.82E-08	-0.03361	0.46865	-0.23488
-0.19278	2.74E-05	0.036834	0.42712	-0.39926	2.68E-19	-0.18006	9.13E-05	-0.34368
0.16453	0.00036	-0.07987	0.0847	0.338871	5.18E-14	0.004149	0.92875	0.342559
0.299647	3.83E-11	0.060245	0.19374	0.431435	1.36E-22	0.195032	2.19E-05	0.495337
0.020193	0.66338	0.187142	4.71E-05	-0.14821	0.00132	0.165625	0.00033	-0.24495
0.418235	3.37E-21	0.460685	6.52E-26	-0.12788	0.00565	0.082147	0.07615	-0.01248
-0.18262	7.21E-05	-0.00015	0.99749	-0.37574	4.17E-17	-0.08112	0.07991	-0.41903
-0.02556	0.58169	0.14062	0.00232	-0.17051	0.00021	0.08247	0.075	-0.13276
-0.10137	0.0285	0.007039	0.87941	-0.40692	4.73E-20	-0.24769	5.86E-08	-0.35352
0.170568	0.00021	-0.07296	0.11534	0.534193	8.18E-36	0.214435	2.92E-06	0.471246
0.030431	0.51181	-0.13988	0.00245	0.267872	4.08E-09	0.080442	0.08247	0.269688
0.043561	0.34759	-0.1965	1.90E-05	0.404684	7.89E-20	0.183971	6.36E-05	0.293924
-0.07124	0.12423	-0.31063	6.63E-12	0.196611	1.88E-05	-0.03713	0.42335	0.143924
-0.02011	0.66463	-0.27048	2.84E-09	0.222749	1.16E-06	-0.01772	0.70258	0.111469
-0.0623	0.17891	-0.08436	0.06854	0.195467	2.10E-05	0.110224	0.01718	0.136947
0.161747	0.00045	0.017935	0.69907	0.319005	1.66E-12	0.177681	0.00011	0.25483
-0.0261	0.5737	0.239661	1.59E-07	-0.15017	0.00113	0.152635	0.00094	-0.23225
0.017229	0.71038	0.044128	0.34134	0.360045	9.69E-16	0.123941	0.00733	0.396741
-0.02241	0.629	-0.12788	0.00565	0.197697	1.68E-05	-0.06761	0.1446	0.247968
0.306725	1.25E-11	0.065263	0.15911	0.490651	1.16E-29	0.275709	1.36E-09	0.428622
-0.12969	0.005	0.022338	0.63017	-0.24822	5.48E-08	-0.07902	0.08806	-0.1729
-0.01269	0.78439	0.282236	5.32E-10	-0.09481	0.04056	0.210912	4.28E-06	-0.18335
-0.0163	0.72534	0.212453	3.62E-06	-0.20968	4.88E-06	-0.01105	0.81182	-0.12857
0.083117	0.07274	0.01247	0.7881	0.38342	8.38E-18	0.181748	7.81E-05	0.400038
-0.0182	0.69489	-0.20177	1.11E-05	0.331464	1.94E-13	0.098209	0.03386	0.284983
-0.08266	0.07434	-0.21534	2.65E-06	0.069303	0.1348	0.004099	0.9296	0.129862
0.110613	0.01679	-0.15253	0.00094	0.308421	9.49E-12	0.089987	0.05197	0.27048
-0.26212	8.92E-09	-0.43764	2.85E-23	-0.11562	0.01241	-0.25114	3.77E-08	-0.04087
0.067347	0.14618	0.254939	2.31E-08	-0.17128	0.0002	0.093223	0.04406	-0.18484
0.10812	0.01943	-0.18218	7.51E-05	0.470133	4.70E-27	0.182753	7.12E-05	0.351842
0.087457	0.05896	0.011531	0.80373	0.261445	9.76E-09	0.075244	0.10438	0.32008
0.140979	0.00226	-0.17383	0.00016	0.36987	1.38E-16	0.084888	0.06683	0.296456
0.110242	0.01716	-0.02272	0.62433	0.328289	3.39E-13	0.138233	0.00276	0.190429
0.029088	0.53063	-0.274	1.74E-09	0.339043	5.02E-14	0.064543	0.16377	0.242059
0.074831	0.1063	-0.22815	6.26E-07	0.211468	4.03E-06	0.057651	0.21367	0.066746
0.161873	0.00044	0.128178	0.00554	0.459648	8.65E-26	0.21099	4.24E-06	0.427361
0.046746	0.31344	0.379889	1.76E-17	-0.19001	3.58E-05	0.163308	0.00039	-0.15487
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-0.03597	0.43802	0.173886	0.00016	-0.27183	2.35E-09	-0.06839	0.14003	-0.2594

0.060571	0.19134	0.44451	4.88E-24	-0.10858	0.01892	0.236949	2.21E-07	-0.09861
0.096182	0.03773	-0.22748	6.76E-07	0.270169	2.97E-09	-0.12692	0.00602	0.296406
0.140545	0.00233	-0.11624	0.01195	0.526292	1.25E-34	0.204917	8.05E-06	0.408982
-0.12795	0.00562	-0.02487	0.59188	-0.50503	1.35E-31	-0.26852	3.73E-09	-0.51379
-0.01526	0.74229	0.05085	0.2728	-0.3452	1.63E-14	-0.17824	0.00011	-0.24727
0.005969	0.89764	-0.21025	4.59E-06	0.349061	7.93E-15	0.016931	0.71517	0.374535
0.072393	0.11822	0.511892	1.50E-32	-0.12315	0.00772	0.175828	0.00013	-0.03169
-0.10512	0.02309	-0.24345	9.97E-08	0.18443	6.09E-05	0.120484	0.00916	0.034861
0.241111	1.33E-07	-0.09734	0.03548	0.489754	1.52E-29	0.138143	0.00277	0.420398
-0.1994	1.42E-05	0.202379	1.05E-05	-0.36973	1.42E-16	-0.05842	0.20758	-0.33845
-0.04083	0.37868	0.307785	1.05E-11	-0.27678	1.17E-09	-0.0147	0.75144	-0.14041
0.202111	1.08E-05	0.103434	0.0254	0.509374	3.37E-32	0.231671	4.15E-07	0.510597
0.00404	0.93062	-0.13171	0.00436	0.339865	4.33E-14	0.095461	0.0392	0.342057
0.212251	3.70E-06	-0.1436	0.00186	0.605546	4.58E-48	0.200064	1.32E-05	0.49043
0.282337	5.24E-10	0.022914	0.62136	0.638833	6.42E-55	0.24496	8.26E-08	0.541596
0.112865	0.01468	-0.12261	0.00799	0.514529	6.33E-33	0.215132	2.71E-06	0.575373
0.150215	0.00113	-0.10918	0.01827	0.513416	9.11E-33	0.264517	6.45E-09	0.327903
0.249926	4.41E-08	-0.21929	1.71E-06	0.446238	3.11E-24	0.08633	0.06231	0.348737
0.162801	0.00041	-0.14348	0.00188	0.420584	1.92E-21	0.061706	0.18313	0.309868
0.166675	0.0003	-0.09975	0.03115	0.503158	2.44E-31	0.199117	1.46E-05	0.42804
0.18798	4.35E-05	-0.09326	0.04398	0.380923	1.42E-17	0.147384	0.0014	0.294465
0.092864	0.04488	-0.12449	0.00707	0.317271	2.22E-12	0.019404	0.67577	0.246746
-0.01365	0.7686	-0.09118	0.04893	0.172226	0.00018	0.028831	0.53427	0.171099
0.011239	0.8086	0.211748	3.91E-06	-0.19921	1.44E-05	0.06592	0.15495	-0.1835
0.10547	0.02264	-0.12008	0.00939	0.344648	1.80E-14	0.114402	0.01337	0.27196
0.100344	0.03015	-0.21043	4.50E-06	0.381744	1.19E-17	0.128139	0.00555	0.297249
0.058134	0.20985	-0.20957	4.93E-06	0.334365	1.16E-13	0.191687	3.05E-05	0.204839
0.030125	0.51607	-0.1885	4.14E-05	0.197085	1.79E-05	0.065494	0.15764	0.217872
0.07673	0.09769	-0.2122	3.73E-06	0.435761	4.59E-23	0.134492	0.00359	0.316894
0.085232	0.06573	-0.09034	0.05106	0.19512	2.17E-05	0.112165	0.01531	0.199953
0.025197	0.58704	-0.20753	6.12E-06	0.328679	3.16E-13	-0.02742	0.55454	0.331593
0.094819	0.04054	-0.11814	0.01061	0.329626	2.68E-13	0.135248	0.00341	0.31971
0.144166	0.00179	-0.17976	9.38E-05	0.387669	3.39E-18	0.031044	0.50335	0.342268
0.247235	6.21E-08	-0.04471	0.33505	0.519691	1.15E-33	0.221969	1.27E-06	0.405095
0.337753	6.34E-14	0.147568	0.00138	0.613169	1.46E-49	0.318864	1.70E-12	0.543694
0.197358	1.74E-05	-0.0335	0.47022	0.344114	1.99E-14	0.200314	1.29E-05	0.2542
0.216914	2.23E-06	-0.12037	0.00922	0.320049	1.39E-12	0.048425	0.29635	0.305394
0.166853	0.00029	-0.13318	0.00394	0.363309	5.11E-16	0.104386	0.02408	0.344412
0.276054	1.30E-09	0.075145	0.10484	0.4787	4.03E-28	0.233559	3.32E-07	0.411066
0.062038	0.18078	-0.14324	0.00192	0.485976	4.73E-29	0.217426	2.11E-06	0.37805
-0.097	0.03613	-0.30605	1.39E-11	0.146837	0.00146	-0.0069	0.88181	0.092304
0.272583	2.12E-09	0.065664	0.15656	0.520674	8.30E-34	0.135462	0.00336	0.453832
-0.04432	0.33924	-0.02042	0.6599	0.215441	2.62E-06	0.142786	0.00198	0.255938
0.179347	9.74E-05	-0.04196	0.3656	0.36293	5.51E-16	0.061968	0.18127	0.287129
0.345414	1.56E-14	0.105365	0.02277	0.524867	2.03E-34	0.239633	1.60E-07	0.487619

0.090887	0.04966	-0.14185	0.00212	0.152845	0.00092	-0.08254	0.07475	0.193528
0.205092	7.90E-06	-0.06618	0.15335	0.366456	2.74E-16	0.092251	0.04632	0.31341
0.143023	0.00195	-0.19657	1.88E-05	0.428624	2.72E-22	0.056765	0.2208	0.374051
0.193293	2.60E-05	-0.0238	0.60789	0.373963	6.00E-17	0.155978	0.00072	0.356308
0.337577	6.54E-14	0.204221	8.65E-06	0.411824	1.52E-20	0.193648	2.51E-05	0.387597
0.134255	0.00365	-0.18734	4.63E-05	0.357418	1.61E-15	0.181308	8.14E-05	0.27436
0.367634	2.16E-16	0.122883	0.00785	0.628581	1.02E-52	0.3244	6.63E-13	0.540575
-0.01364	0.76882	0.276646	1.19E-09	-0.24742	6.07E-08	-0.0724	0.11818	-0.16924
0.077806	0.09307	-0.18287	7.04E-05	0.240732	1.39E-07	-0.06298	0.17421	0.151591
0.195228	2.15E-05	0.08191	0.07701	0.499987	6.60E-31	0.260397	1.12E-08	0.463607
-0.01505	0.74567	0.00814	0.86073	0.063735	0.16912	0.075467	0.10335	0.07172
0.101504	0.02829	0.101988	0.02754	0.045349	0.32814	-0.018	0.69798	0.103208
-0.09185	0.04729	-0.02893	0.53292	0.054603	0.23892	0.097244	0.03566	0.068678
0.007953	0.8639	0.023066	0.61906	0.031544	0.4965	0.009373	0.83991	0.106857
-0.05054	0.27571	-0.02518	0.58727	-0.10528	0.02289	-0.11719	0.01126	0.002623
-0.03176	0.49349	0.065469	0.15779	0.029247	0.52838	-0.01299	0.77944	0.094936
0.016211	0.72678	0.009974	0.8298	-0.01343	0.77221	-0.03198	0.49052	-0.00315
0.074845	0.10624	0.066417	0.15185	0.036585	0.43025	0.021848	0.6377	0.084444
-0.08225	0.07579	-0.04157	0.3701	-0.10704	0.02069	-0.04127	0.37352	-0.06631
0.029627	0.52304	0.077873	0.09278	0.085121	0.06608	0.111205	0.01621	0.095475
-0.01787	0.70009	-0.0396	0.39319	0.048303	0.29757	0.022538	0.62711	0.142526
0.1341	0.00369	0.010324	0.82392	0.026599	0.5664	-0.03676	0.42799	0.07798
0.083796	0.07042	0.113589	0.01405	-0.02728	0.55652	-0.01938	0.6761	0.056198
-0.07128	0.12398	-0.05741	0.21562	-0.0125	0.78763	0.002805	0.95179	-0.04127
-0.0023	0.96046	0.032097	0.48897	0.036654	0.42939	0.070394	0.12876	0.052405
0.06532	0.15875	0.027497	0.55337	-0.03603	0.43729	-0.03675	0.4282	0.058602
0.060851	0.18929	0.061026	0.18802	0.184329	6.15E-05	0.080946	0.08056	0.220074
0.013459	0.77175	0.013145	0.77693	-0.01154	0.80354	-0.02342	0.61367	0.012535
0.099274	0.03196	0.061282	0.18616	0.034809	0.45299	-0.03403	0.46321	0.040079
0.021127	0.64883	0.031082	0.50283	0.082952	0.07331	0.048271	0.29789	0.127795
0.068685	0.13832	0.037669	0.41671	0.061761	0.18274	0.033177	0.47446	0.124618
0.086341	0.06228	0.069996	0.13094	0.088864	0.05498	0.037288	0.42145	0.149525
-0.05652	0.22279	-0.08661	0.06145	-0.00215	0.9631	0.022487	0.62788	-0.00149
0.173492	0.00016	-0.03634	0.43332	0.018565	0.68905	0.039692	0.39212	0.003429
0.01661	0.72033	0.018576	0.68887	0.013675	0.76819	-0.00307	0.94729	0.053948
0.024962	0.59053	0.025132	0.588	0.092595	0.04551	0.038737	0.40361	0.16193
0.013553	0.77021	0.013104	0.77761	0.072115	0.11964	0.106418	0.02144	0.074424
0.034329	0.45925	0.11918	0.00994	0.032706	0.48076	0.056832	0.22026	0.0677
0.025465	0.58306	-0.01163	0.80207	0.168172	0.00026	0.127624	0.00575	0.174149
0.106517	0.02132	-0.03589	0.43909	0.184153	6.25E-05	0.204364	8.52E-06	0.130247
0.05964	0.19826	0.074862	0.10616	0.110221	0.01718	0.057452	0.21525	0.142579
0.095641	0.03883	0.044257	0.33993	0.030945	0.50472	0.044379	0.3386	0.082548
0.202122	1.07E-05	0.239168	1.69E-07	0.089829	0.05239	0.092303	0.0462	0.198923
0.055475	0.23149	0.114687	0.01314	-0.02428	0.6007	-0.01379	0.76628	0.076589
0.006352	0.89111	-0.07033	0.12911	-0.04832	0.29736	-0.08236	0.07539	-0.01199

-0.02774	0.54992	-0.00483	0.91709	0.025066	0.58898	0.074088	0.10983	0.067089
0.017856	0.70033	0.044436	0.33798	-0.05779	0.21252	-0.08578	0.06401	0.026403
-0.01136	0.8065	-0.00035	0.99401	0.010191	0.82614	0.016031	0.72969	0.063965
0.095994	0.03811	0.067282	0.14658	0.122894	0.00784	0.032538	0.48302	0.165486
0.126561	0.00617	0.076872	0.09707	0.067259	0.14671	0.058356	0.20811	0.080609
0.135673	0.00331	0.065245	0.15923	0.023351	0.61472	0.008845	0.84881	0.086835
0.024483	0.59768	0.053142	0.25174	0.017964	0.69862	0.038929	0.40128	0.032223
-0.0834	0.07178	-0.02051	0.65849	-0.05922	0.20147	-0.02414	0.60283	-0.0111
-0.01124	0.80857	-0.05019	0.2791	-0.08189	0.07709	-0.09051	0.05062	-0.0302
-0.01967	0.67166	-0.07566	0.10246	-0.08077	0.08124	-0.11028	0.01712	-0.01036
-0.05909	0.20247	-0.06628	0.15268	-0.08707	0.0601	-0.06417	0.1662	-0.05902
0.043667	0.34641	0.01367	0.76827	0.118443	0.01041	0.050365	0.2774	0.146621
0.021596	0.64157	0.033632	0.46842	-0.01302	0.77896	0.011591	0.80272	0.036015
0.079316	0.08687	0.128291	0.0055	0.056776	0.22071	0.03985	0.39024	0.088578
0.038318	0.40873	0.013477	0.77146	-0.01369	0.76799	-0.05993	0.19612	0.08908
0.048465	0.29596	0.041611	0.36961	0.019813	0.66933	0.001396	0.97599	0.060016
0.071362	0.12357	-0.03615	0.43574	0.079072	0.08785	0.005249	0.90993	0.125955
-0.00057	0.99018	0.049966	0.28124	0.046165	0.3195	0.043569	0.3475	0.098631
0.00653	0.88807	-0.04461	0.33604	-0.03742	0.41975	-0.08379	0.07045	-0.03528
0.118308	0.0105	0.055515	0.23115	0.147531	0.00139	0.133864	0.00375	0.13587
0.059799	0.19707	0.095519	0.03908	0.134674	0.00355	0.126948	0.00601	0.196765
-0.07404	0.11008	-0.01018	0.8263	0.078782	0.08902	0.109489	0.01794	0.059433
0.025217	0.58674	0.086206	0.06269	0.094993	0.04017	0.058223	0.20915	0.140332
0.007344	0.87423	0.073134	0.11449	0.050289	0.27813	0.027278	0.55653	0.106614
0.06347	0.1709	0.121531	0.00856	0.006336	0.89138	0.013474	0.77151	0.123226
0.081776	0.07749	0.039255	0.39735	0.068257	0.1408	0.017317	0.70897	0.076819
0.040536	0.38212	0.080365	0.08277	0.016909	0.71552	0.012577	0.78634	0.062379
0.228048	6.33E-07	0.076357	0.09934	0.159235	0.00055	0.100024	0.03068	0.226037
-0.0169	0.71559	0.013976	0.76324	-0.09455	0.04111	-0.08936	0.05364	-0.05697
-0.0226	0.6262	-0.11953	0.00973	0.196694	1.86E-05	0.030743	0.50749	0.167351
0.030328	0.51324	-0.00715	0.87747	0.003662	0.9371	-0.00203	0.96509	0.010606
0.079682	0.08542	0.072364	0.11837	0.058575	0.2064	0.022273	0.63116	0.119113
-0.02863	0.53709	-0.10216	0.02727	-0.06452	0.1639	-0.16086	0.00048	0.006143
0.062123	0.18018	0.074068	0.10992	0.034203	0.4609	-0.00856	0.85366	0.127703
0.034163	0.46142	0.046871	0.31214	0.046186	0.31928	0.049415	0.28657	0.003847
0.140732	0.0023	0.106659	0.02115	0.082508	0.07487	0.017231	0.71034	0.110573
0.096676	0.03675	0.085026	0.06638	0.08003	0.08406	0.055273	0.23319	0.062017
0.047993	0.30069	0.03571	0.44137	0.079591	0.08578	0.018499	0.69009	0.166554
0.058204	0.2093	0.072015	0.12016	0.057687	0.21338	0.032644	0.4816	0.092802
-0.07156	0.12255	-0.09096	0.04947	-0.02937	0.52661	-0.02714	0.55849	0.029172
0.037219	0.4223	0.040813	0.37887	0.115186	0.01275	0.074026	0.11013	0.161918
0.073405	0.11315	0.048252	0.29809	0.076836	0.09723	0.031655	0.49498	0.116282
0.019243	0.67832	0.04442	0.33815	0.034546	0.45642	-0.00276	0.95257	0.079272
0.078368	0.09072	0.054371	0.24092	-0.0476	0.30464	-0.03758	0.41775	-0.00898
0.076846	0.09719	0.036673	0.42915	0.101982	0.02755	0.029591	0.52355	0.126847

-0.03893	0.40133	-0.11713	0.0113	-0.08444	0.06828	-0.14313	0.00193	-0.03709
0.014594	0.75311	-0.01329	0.77453	-0.02856	0.53819	-0.05031	0.27793	0.086794
0.067587	0.14475	0.044008	0.34265	0.095027	0.0401	0.050005	0.28086	0.09547
0.076495	0.09873	0.042855	0.35546	0.014994	0.74657	-0.01368	0.76811	0.02735
-0.00526	0.90974	0.014696	0.75143	0.014936	0.74751	-0.02093	0.65183	0.004861
-0.0011	0.98105	0.010379	0.82299	0.044154	0.34106	-0.00691	0.88167	0.019584
0.080561	0.08202	-0.02507	0.58894	0.05698	0.21905	-0.08751	0.05881	0.05483
0.106415	0.02145	0.100675	0.02961	0.024799	0.59296	0.019142	0.67991	0.059876
0.078637	0.08961	0.031324	0.4995	0.108318	0.01921	0.017963	0.69863	0.158056
0.11522	0.01272	0.057096	0.21811	0.076827	0.09727	0.036206	0.43505	0.056407
0.118298	0.01051	0.100973	0.02913	0.072066	0.11989	0.043131	0.35237	0.12347
0.199913	1.35E-05	0.050408	0.277	0.013993	0.76296	-0.00131	0.97741	0.043434
0.038161	0.41064	0.06386	0.16828	-0.0318	0.49296	-0.0491	0.2897	0.03209
0.027404	0.5547	0.035003	0.45047	0.023113	0.61835	0.007652	0.86901	0.052727
0.082486	0.07495	0.034758	0.45365	-0.06745	0.14556	-0.07766	0.09367	0.043222
0.207209	6.33E-06	0.11149	0.01594	0.123888	0.00735	0.042495	0.35952	0.113817
0.01086	0.81494	0.054748	0.23767	0.011469	0.80476	0.020471	0.65903	0.068186
0.130579	0.00471	0.147733	0.00137	0.076176	0.10014	0.04521	0.32962	0.152859
0.034925	0.45149	0.072789	0.11622	0.07207	0.11988	0.050483	0.27628	0.125346
0.06868	0.13835	0.090915	0.04959	0.102314	0.02704	0.073611	0.11214	0.145771
0.014094	0.76131	-0.02091	0.65217	0.02101	0.65065	-0.02805	0.54542	0.067771
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0.152277	0.00096	0.257898	1.57E-08	0.239059	1.71E-07	0.50135	4.31E-31	0.034642
0.184359	6.13E-05	0.451427	7.93E-25	-0.05959	0.19864	0.202125	1.07E-05	-0.05463
0.053501	0.24855	0.19085	3.30E-05	0.080844	0.08095	0.279424	7.99E-10	-0.04063
0.213878	3.11E-06	0.210966	4.25E-06	0.332863	1.52E-13	0.193673	2.51E-05	0.27934
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0.178486	0.00011	0.377896	2.67E-17	0.274134	1.70E-09	0.419706	2.37E-21	0.230025
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0.097077	0.03598	0.423135	1.04E-21	0.057876	0.21188	0.376209	3.78E-17	-0.04252
0.199868	1.35E-05	0.504723	1.49E-31	0.080406	0.08261	0.315738	2.86E-12	0.007565
0.198724	1.52E-05	0.432182	1.13E-22	0.212465	3.62E-06	0.348705	8.47E-15	0.182739
0.033989	0.46371	-0.17298	0.00017	-0.01436	0.75692	-0.26488	6.14E-09	0.044029
0.103353	0.02552	0.301565	2.83E-11	-0.06065	0.19076	0.251764	3.48E-08	-0.11273
0.155261	0.00076	0.321324	1.12E-12	0.143639	0.00186	0.304096	1.90E-11	-0.03332
0.139125	0.00259	0.393028	1.06E-18	0.116771	0.01156	0.212466	3.62E-06	0.304758
0.012507	0.78749	0.237358	2.10E-07	0.053247	0.2508	0.257054	1.75E-08	-0.09638
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-0.11941	0.0098	0.037034	0.42462	-0.02685	0.56278	0.095973	0.03815	-0.21233
-0.15594	0.00072	0.041263	0.37363	-0.28715	2.57E-10	0.109837	0.01758	-0.35468
-0.29055	1.55E-10	-0.19519	2.16E-05	-0.45375	4.27E-25	-0.23054	4.74E-07	-0.48491
0.250098	4.31E-08	0.333715	1.30E-13	0.305704	1.47E-11	0.44051	1.37E-23	0.145153
0.054504	0.23977	0.36561	3.24E-16	-0.06891	0.13701	0.254723	2.37E-08	-0.0955
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0.007791	0.86664	0.156673	0.00068	-0.13175	0.00434	0.004389	0.92464	-0.1104
0.058383	0.2079	0.354471	2.84E-15	-0.01586	0.73248	0.151219	0.00105	0.021702
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0.21965	1.65E-06	0.56703	4.41E-41	0.146292	0.00152	0.546376	1.06E-37	0.036141
0.196066	1.98E-05	0.503358	2.29E-31	0.138774	0.00265	0.503296	2.34E-31	0.042706
0.261173	1.01E-08	0.688228	8.40E-67	0.235747	2.55E-07	0.527701	7.72E-35	0.14652
0.017696	0.7029	-0.17863	0.0001	-0.02961	0.52328	-0.20766	6.04E-06	0.107534
0.04471	0.33501	-0.17242	0.00018	0.246959	6.43E-08	-0.0526	0.25659	0.27727
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-0.17637	0.00013	0.19552	2.09E-05	-0.42687	4.18E-22	0.015054	0.74559	-0.40888
0.164016	0.00037	0.398655	3.07E-19	0.063105	0.17339	0.169092	0.00024	0.007726
0.002802	0.95185	-0.30223	2.55E-11	0.007715	0.86794	-0.18507	5.73E-05	-0.08298
-0.10604	0.02192	-0.28381	4.22E-10	-0.0783	0.091	-0.38606	4.78E-18	0.028088
-0.09993	0.03084	0.014516	0.75438	-0.23897	1.73E-07	-0.04485	0.33353	-0.25583
0.348472	8.85E-15	0.568657	2.33E-41	0.342471	2.69E-14	0.57006	1.34E-41	0.17753
0.115976	0.01214	0.310586	6.68E-12	0.19363	2.52E-05	0.324816	6.17E-13	0.112276
-0.00661	0.88672	-0.3703	1.27E-16	-0.14172	0.00214	-0.30441	1.81E-11	-0.14906
-0.15208	0.00098	0.118949	0.01009	-0.48681	3.69E-29	-0.26532	5.78E-09	-0.29118
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0.174562	0.00015	0.367469	2.24E-16	0.079189	0.08738	0.20741	6.20E-06	0.119915
0.103576	0.0252	0.380922	1.42E-17	0.177006	0.00012	0.301481	2.87E-11	0.113886
0.044628	0.33589	0.265227	5.86E-09	-0.1957	2.05E-05	0.086929	0.06051	-0.23445
-0.15565	0.00074	0.128181	0.00554	-0.16185	0.00045	0.120769	0.00899	-0.23628
0.156128	0.00071	0.240946	1.36E-07	0.109216	0.01823	0.247279	6.17E-08	0.003223
0.018577	0.68886	0.371303	1.03E-16	-0.05943	0.19985	0.314446	3.55E-12	-0.11402
-0.11892	0.01011	0.088463	0.05609	-0.31518	3.14E-12	0.024654	0.59513	-0.31859
-0.25962	1.25E-08	-0.06769	0.14417	-0.51907	1.42E-33	-0.16168	0.00045	-0.53201
-0.05854	0.20664	0.234759	2.87E-07	-0.21043	4.50E-06	0.068994	0.13655	-0.22848
0.037991	0.41274	0.449211	1.43E-24	-0.09419	0.04191	0.305242	1.58E-11	-0.05648
-0.01191	0.79746	0.179856	9.30E-05	0.017888	0.69982	0.352888	3.85E-15	-0.06512
0.131161	0.00452	0.378173	2.52E-17	0.302872	2.31E-11	0.39793	3.60E-19	0.213247
-0.27172	2.39E-09	-0.02794	0.547	-0.55291	9.59E-39	-0.21191	3.84E-06	-0.47958
-0.15124	0.00104	0.079597	0.08576	-0.37149	9.94E-17	-0.137	0.00301	-0.30665
-0.07112	0.12484	0.212612	3.56E-06	-0.26441	6.55E-09	0.061856	0.18207	-0.3182
0.139945	0.00244	0.444404	5.02E-24	0.208508	5.52E-06	0.444805	4.52E-24	0.130619
0.216118	2.43E-06	0.62024	5.46E-51	0.33991	4.29E-14	0.629193	7.56E-53	0.297013
0.260613	1.09E-08	0.51348	8.92E-33	0.149604	0.00118	0.371432	1.01E-16	0.069987
0.004	0.9313	0.297163	5.63E-11	-0.07639	0.0992	0.247649	5.89E-08	-0.16353
0.010105	0.82759	0.291964	1.25E-10	-0.09809	0.03408	0.130953	0.00459	-0.18078
0.170212	0.00022	0.639254	5.19E-55	0.039437	0.39516	0.466059	1.47E-26	0.056216
0.20368	9.15E-06	0.519135	1.39E-33	0.17918	9.89E-05	0.450688	9.65E-25	0.05656
0.022055	0.6345	0.307978	1.02E-11	-0.11752	0.01103	0.168943	0.00024	-0.24832
-0.05394	0.24465	0.376426	3.62E-17	-0.22854	5.98E-07	0.160218	0.00051	-0.23172
-0.29037	1.59E-10	-0.16199	0.00044	-0.68924	4.52E-67	-0.47363	1.74E-27	-0.56588

-0.11556	0.01246	0.125839	0.00647	-0.34607	1.39E-14	-0.00307	0.94731	-0.33752
-0.16008	0.00052	-0.05213	0.26086	-0.26909	3.45E-09	-0.01805	0.69729	-0.3459
0.15788	0.00062	0.483064	1.12E-28	0.062889	0.17486	0.275213	1.46E-09	0.280564
-0.01292	0.78071	0.330028	2.50E-13	-0.12059	0.0091	0.230496	4.76E-07	-0.13743
-0.03686	0.42674	0.328622	3.20E-13	-0.24228	1.15E-07	0.149478	0.0012	-0.20181
-0.07059	0.12768	0.247718	5.84E-08	-0.20004	1.33E-05	0.218772	1.82E-06	-0.24046
-0.07524	0.1044	0.33643	8.04E-14	-0.34104	3.49E-14	0.075151	0.10481	-0.31133
0.187409	4.60E-05	0.557977	1.43E-39	0.062204	0.17962	0.341346	3.30E-14	0.107278
-0.11914	0.00997	0.111755	0.01569	-0.43601	4.31E-23	-0.11945	0.00977	-0.44046
0.028444	0.53978	0.509292	3.46E-32	-0.12947	0.00508	0.259246	1.31E-08	-0.05151
-0.02348	0.61283	0.30407	1.91E-11	-0.05475	0.23762	0.124553	0.00704	-0.04296
-0.09911	0.03225	0.335404	9.66E-14	-0.16528	0.00033	0.198347	1.58E-05	-0.22746
-0.0678	0.14349	0.17585	0.00013	-0.35475	2.70E-15	-0.04556	0.32586	-0.29439
0.072553	0.11741	0.368952	1.66E-16	-0.12687	0.00604	0.148818	0.00126	-0.12105
-0.02102	0.65044	0.382612	9.94E-18	-0.253	2.97E-08	0.10355	0.02524	-0.23872
0.182406	7.35E-05	0.645291	2.39E-56	0.130217	0.00483	0.441053	1.19E-23	0.159747
0.001729	0.97028	0.38301	9.14E-18	0.011445	0.80516	0.372987	7.33E-17	-0.07495
0.221843	1.29E-06	0.499874	6.84E-31	0.140132	0.0024	0.298994	4.24E-11	0.099773
0.022044	0.63467	0.388484	2.85E-18	0.07112	0.12485	0.403063	1.14E-19	0.01523
0.235207	2.72E-07	0.632779	1.31E-53	0.212535	3.59E-06	0.578387	4.80E-43	0.145845
0.241148	1.33E-07	0.501194	4.53E-31	0.303417	2.11E-11	0.440192	1.49E-23	0.417094
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0.092751	0.04514	0.495306	2.81E-30	0.108388	0.01913	0.517582	2.32E-33	0.071366
-0.09978	0.0311	-0.05353	0.24826	-0.27371	1.81E-09	-0.16385	0.00038	-0.35063
-0.2884	2.14E-10	-0.09545	0.03922	-0.57101	9.21E-42	-0.27632	1.25E-09	-0.55283
-0.26878	3.60E-09	-0.00837	0.85685	-0.56384	1.52E-40	-0.27499	1.51E-09	-0.51343
0.08998	0.05199	0.496827	1.76E-30	-0.13642	0.00314	0.167817	0.00027	-0.06122
-0.18075	8.56E-05	0.057439	0.21536	-0.4439	5.72E-24	-0.14346	0.00188	-0.42081
0.089348	0.05367	0.266126	5.18E-09	0.029389	0.52639	0.118573	0.01033	-0.0285
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-0.19822	1.60E-05	-0.02564	0.58042	-0.41744	4.07E-21	-0.11364	0.01401	-0.45574
0.130823	0.00463	0.51882	1.54E-33	0.095022	0.04011	0.368862	1.69E-16	0.043154
0.058579	0.20637	0.444291	5.17E-24	-0.05496	0.23587	0.300494	3.35E-11	-0.08431
-0.08015	0.08361	0.080793	0.08114	-0.3384	5.64E-14	-0.1006	0.02974	-0.28886
0.011372	0.80638	0.380945	1.41E-17	-0.30084	3.18E-11	0.016643	0.71981	-0.20347
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0.112096	0.01537	0.600599	4.08E-47	0.005331	0.90853	0.365664	3.20E-16	0.204314
0.106378	0.02149	0.490188	1.34E-29	0.154456	0.00081	0.487624	2.89E-29	0.050821
0.097002	0.03612	0.515017	5.40E-33	0.012638	0.78532	0.333441	1.37E-13	0.005152
0.268622	3.68E-09	0.701436	2.15E-70	0.344757	1.77E-14	0.679488	1.57E-64	0.25027
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0.417436	4.07E-21	0.471951	2.80E-27	0.095456	0.03921	0.338589	5.45E-14	0.083449
0.086304	0.06239	0.385878	4.97E-18	0.037499	0.41882	0.234175	3.08E-07	0.018726
-0.28235	5.23E-10	-0.2355	2.63E-07	-0.56047	5.56E-40	-0.38868	2.73E-18	-0.53795
0.089796	0.05247	0.357402	1.62E-15	-0.03166	0.49487	0.142737	0.00199	-0.04642



-0.14079	0.00229	0.071213	0.12435	-0.33349	1.36E-13	-0.09235	0.04609	-0.31515
0.222956	1.14E-06	0.576116	1.20E-42	0.341003	3.52E-14	0.617227	2.23E-50	0.221648
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-0.18249	7.30E-05	-0.10547	0.02263	-0.37523	4.63E-17	-0.24732	6.14E-08	-0.36646
0.023701	0.60943	0.276342	1.24E-09	-0.07101	0.12545	0.263741	7.17E-09	-0.15151
0.257877	1.57E-08	0.673475	5.20E-63	0.212659	3.55E-06	0.53423	8.08E-36	0.196345
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-0.11975	0.00959	0.161818	0.00045	-0.38187	1.16E-17	-0.01988	0.66836	-0.3832
-0.10464	0.02374	0.159408	0.00054	-0.34769	1.02E-14	-0.10191	0.02765	-0.29242
0.216786	2.26E-06	0.320162	1.36E-12	0.07837	0.09071	0.274908	1.53E-09	-0.00595
-0.06904	0.13629	-0.31195	5.34E-12	-0.10745	0.0202	-0.37543	4.44E-17	-0.07067
-0.12066	0.00905	-0.27717	1.10E-09	-0.10192	0.02764	-0.26984	3.11E-09	-0.15552
-0.08897	0.05469	0.087767	0.05806	0.030331	0.51321	0.252962	2.99E-08	-0.19335
0.164482	0.00036	0.456906	1.82E-25	0.082153	0.07613	0.386407	4.44E-18	-0.00608
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0.059535	0.19906	-0.27381	1.78E-09	0.00858	0.85329	-0.27062	2.79E-09	-0.03783
0.051876	0.26323	0.286852	2.69E-10	-0.03981	0.39067	0.231012	4.48E-07	-0.09823
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-0.18772	4.46E-05	-0.0072	0.87676	-0.49089	1.08E-29	-0.3284	3.32E-13	-0.41478
0.055357	0.23248	0.410003	2.33E-20	-0.13204	0.00426	0.190252	3.50E-05	-0.14095
-0.01969	0.67134	0.188273	4.23E-05	-0.21127	4.12E-06	-0.03659	0.43014	-0.08855
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0.228381	6.09E-07	0.463211	3.25E-26	0.071416	0.12328	0.383593	8.08E-18	0.007972
-0.04589	0.32242	0.075724	0.10218	-0.29339	1.01E-10	-0.16571	0.00032	-0.26641
0.193022	2.67E-05	0.357255	1.67E-15	0.009036	0.84559	0.229754	5.19E-07	0.024516
0.200536	1.26E-05	0.171752	0.00019	-0.03771	0.41618	-0.14109	0.00224	0.137291
-0.08813	0.05701	-0.03142	0.49815	-0.45225	6.37E-25	-0.36578	3.13E-16	-0.15515
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0.066709	0.15006	-0.09382	0.04271	-0.02859	0.53771	-0.19513	2.17E-05	0.159054
-0.01028	0.82463	0.086117	0.06296	-0.26174	9.39E-09	-0.31238	4.98E-12	-0.23313
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0.05987	0.19653	0.172114	0.00019	-0.21959	1.66E-06	-0.13635	0.00315	0.05999
-0.05036	0.27742	-0.09942	0.03171	0.283662	4.31E-10	0.280106	7.24E-10	0.112931
0.02274	0.62402	-0.13007	0.00487	-0.18122	8.20E-05	-0.39221	1.27E-18	-0.13253
0.143399	0.00189	0.223021	1.13E-06	-0.22351	1.07E-06	-0.15093	0.00107	0.04457
-0.10046	0.02996	-0.23374	3.25E-07	-0.35675	1.84E-15	-0.46049	6.87E-26	-0.07101
0.071491	0.12289	0.058691	0.20551	-0.16405	0.00037	-0.26938	3.31E-09	0.046857
-0.06297	0.17433	0.002249	0.96134	-0.41703	4.48E-21	-0.36369	4.74E-16	-0.05231
-0.11559	0.01243	-0.14433	0.00177	-0.4552	2.89E-25	-0.43865	2.20E-23	-0.14415
-0.00642	0.88988	-0.03944	0.39513	-0.19593	2.01E-05	-0.26933	3.33E-09	-0.19185
0.180533	8.74E-05	0.196686	1.86E-05	-0.12474	0.00696	-0.26434	6.61E-09	0.038262
0.237645	2.03E-07	0.288465	2.12E-10	-0.00021	0.99638	-0.05645	0.2234	0.15611
0.021395	0.64468	0.21499	2.75E-06	-0.0858	0.06395	-0.15469	0.0008	-0.01861
0.000463	0.99203	-0.10785	0.01974	-0.04213	0.36371	-0.24185	1.21E-07	-0.01919

-0.04983	0.28253	0.031896	0.49171	-0.49314	5.46E-30	-0.435	5.56E-23	-0.24561
0.029322	0.52732	-0.01435	0.75706	-0.23387	3.20E-07	-0.02385	0.60721	-0.16195
0.117929	0.01076	0.009675	0.83482	-0.09252	0.04569	-0.12686	0.00605	-0.0223
0.008162	0.86036	0.096421	0.03726	-0.37045	1.23E-16	-0.30804	1.01E-11	-0.09661
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0.007339	0.87432	-0.14605	0.00155	-0.33966	4.49E-14	-0.43944	1.80E-23	-0.08745
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0.029972	0.51821	-0.05101	0.27133	-0.21578	2.53E-06	-0.19404	2.42E-05	-0.10578
-0.01972	0.67074	-0.31416	3.72E-12	-0.27143	2.49E-09	-0.44421	5.28E-24	-0.07323
0.138136	0.00278	0.152559	0.00094	-0.03051	0.51071	-0.14124	0.00222	0.000188
0.032183	0.48781	0.095506	0.03911	-0.27103	2.63E-09	-0.26058	1.10E-08	0.001499
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0.04777	0.30294	0.110659	0.01674	-0.15625	0.0007	-0.19807	1.62E-05	-0.06781
-0.01433	0.75742	-0.01265	0.78508	-0.33356	1.34E-13	-0.393	1.07E-18	-0.25351
-0.13854	0.0027	-0.31462	3.45E-12	-0.2826	5.04E-10	-0.48354	9.75E-29	-0.25884
0.03496	0.45103	-0.22008	1.57E-06	-0.13662	0.00309	-0.3314	1.97E-13	-0.11051
0.188299	4.22E-05	0.080409	0.0826	-0.01228	0.7913	-0.07544	0.10346	0.218593
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0.130773	0.00465	0.014529	0.75417	-0.09682	0.03648	-0.17818	0.00011	0.169486
-0.08374	0.0706	0.013381	0.77304	-0.30114	3.03E-11	-0.23339	3.39E-07	-0.0041
-0.16058	0.0005	-0.22483	9.18E-07	-0.41806	3.51E-21	-0.45243	6.08E-25	-0.31201
0.209302	5.08E-06	0.143401	0.00189	0.001193	0.97949	-0.08831	0.05652	0.008609
0.052399	0.25843	0.068231	0.14095	-0.26642	4.98E-09	-0.30231	2.52E-11	-0.08813
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0.169857	0.00023	0.003458	0.94059	0.070225	0.12968	-0.1043	0.02419	0.046231
-0.12662	0.00614	-0.00998	0.82968	-0.35258	4.08E-15	-0.27179	2.37E-09	-0.18846
0.002523	0.95664	-0.0368	0.42757	-0.10942	0.01801	-0.25108	3.81E-08	0.033896
-0.14676	0.00147	-0.04792	0.30143	-0.41425	8.64E-21	-0.42129	1.62E-21	-0.309
0.11692	0.01145	-0.12676	0.00609	-0.11427	0.01348	-0.28291	4.82E-10	0.059195
-0.05849	0.20708	-0.08296	0.07327	-0.2926	1.14E-10	-0.36433	4.17E-16	-0.22723
0.086828	0.06081	0.217494	2.09E-06	-0.07781	0.09305	-0.14582	0.00158	-0.0391
0.122526	0.00803	0.284425	3.86E-10	-0.2484	5.35E-08	-0.18844	4.17E-05	-0.07514
-0.08922	0.054	-0.07381	0.11117	-0.42672	4.35E-22	-0.37299	7.33E-17	-0.18193
0.048259	0.29801	0.174671	0.00015	-0.14762	0.00138	-0.15687	0.00067	-0.11673
-0.00917	0.84331	0.006988	0.88029	-0.2121	3.77E-06	-0.31847	1.81E-12	0.047731
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0.028936	0.53278	0.077439	0.09462	-0.18932	3.83E-05	-0.33128	2.00E-13	-0.09457
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0.046829	0.31258	-0.06036	0.19291	-0.31848	1.81E-12	-0.3271	4.16E-13	-0.13006
0.112256	0.01522	0.079406	0.08651	-0.11518	0.01275	-0.09981	0.03104	-0.0734
0.111931	0.01552	-0.04591	0.32215	-0.05656	0.22247	-0.25652	1.88E-08	0.196483
-0.11856	0.01034	-0.10335	0.02552	-0.34032	3.98E-14	-0.39612	5.38E-19	-0.27226
-0.18756	4.53E-05	-0.14823	0.00132	-0.57319	3.88E-42	-0.47464	1.30E-27	-0.25412
0.10393	0.0247	0.005169	0.91129	-0.11824	0.01055	-0.30305	2.24E-11	-0.0427
0.095251	0.03963	-0.06411	0.16665	-0.15087	0.00107	-0.30986	7.51E-12	-0.10559

-0.08559	0.06458	-0.0566	0.22214	-0.40282	1.20E-19	-0.38818	3.04E-18	-0.13704
-0.12375	0.00742	-0.15892	0.00057	-0.08002	0.0841	-0.2466	6.72E-08	0.153556
0.037893	0.41395	-0.02962	0.52315	-0.30427	1.85E-11	-0.43208	1.15E-22	-0.07274
0.131468	0.00443	0.195148	2.17E-05	-0.03623	0.4347	0.005561	0.90459	0.045525
0.059593	0.19862	0.212822	3.48E-06	-0.16863	0.00025	-0.23445	2.98E-07	-0.03479
0.135717	0.0033	-0.02156	0.64215	-0.04782	0.30241	-0.17968	9.45E-05	0.060519
-0.03649	0.43144	-0.02269	0.62482	-0.24093	1.36E-07	-0.26432	6.63E-09	0.053411
0.061781	0.1826	0.191069	3.23E-05	-0.10421	0.02432	-0.03333	0.47239	0.14831
0.003397	0.94164	-0.19757	1.70E-05	-0.02872	0.53591	-0.28687	2.68E-10	0.168905
0.007975	0.86353	-0.03465	0.45505	-0.18325	6.80E-05	-0.15949	0.00054	0.133734
0.020586	0.65725	-0.05543	0.23189	-0.38825	2.99E-18	-0.44816	1.88E-24	-0.14478
0.023991	0.60506	-0.07089	0.12608	0.013909	0.76435	-0.16821	0.00026	0.00022
0.110908	0.0165	-0.01663	0.72005	-0.1398	0.00246	-0.31033	6.96E-12	-0.14241
-0.21277	3.50E-06	-0.12283	0.00788	-0.59895	8.42E-47	-0.39811	3.46E-19	-0.33678
0.013118	0.77738	0.039979	0.3887	-0.04663	0.3146	-0.21222	3.72E-06	-0.00497
-0.06401	0.16731	-0.26824	3.88E-09	-0.28579	3.15E-10	-0.39777	3.74E-19	-0.01249
-0.09805	0.03416	-0.12509	0.0068	-0.23978	1.57E-07	-0.29895	4.27E-11	0.033264
-0.00192	0.96706	-0.10888	0.01859	-0.18118	8.24E-05	-0.15926	0.00055	0.096526
0.274072	1.72E-09	0.256655	1.84E-08	0.233399	3.38E-07	0.116147	0.01201	0.49695
0.244209	9.07E-08	0.186779	4.88E-05	0.105475	0.02263	-0.04498	0.33208	0.424805
0.053755	0.2463	0.133936	0.00374	-0.23651	2.33E-07	-0.12118	0.00876	-0.22911
0.003887	0.93323	0.033051	0.47614	-0.29667	6.08E-11	-0.244	9.32E-08	-0.28108
-0.12635	0.00626	-0.1422	0.00207	-0.51422	7.01E-33	-0.50325	2.37E-31	-0.44044
0.120725	0.00902	0.286527	2.83E-10	0.02426	0.60101	0.050216	0.27883	-0.03458
-0.03692	0.4261	0.026147	0.573	-0.38018	1.66E-17	-0.369	1.64E-16	-0.30034
0.005571	0.90443	-0.00597	0.89771	-0.18122	8.20E-05	-0.28087	6.48E-10	-0.14422
-0.16107	0.00048	-0.15552	0.00075	-0.35528	2.43E-15	-0.33387	1.27E-13	-0.33052
0.021869	0.63736	0.100662	0.02963	-0.32384	7.30E-13	-0.16579	0.00032	-0.27885
-0.00451	0.92254	0.207014	6.47E-06	-0.34333	2.30E-14	-0.1686	0.00025	-0.2208
-0.07181	0.1212	0.065646	0.15667	-0.39276	1.13E-18	-0.27541	1.42E-09	-0.29059
-0.00872	0.85086	0.110002	0.01741	-0.23156	4.20E-07	-0.21178	3.90E-06	-0.15443
-0.08511	0.06611	-0.16025	0.00051	-0.18616	5.18E-05	-0.28936	1.85E-10	-0.18667
-0.01751	0.70581	0.214619	2.87E-06	-0.2893	1.87E-10	-0.2335	3.34E-07	-0.20031
-0.08305	0.07297	-0.2046	8.31E-06	-0.40327	1.09E-19	-0.43319	8.74E-23	-0.38826
-0.11106	0.01635	-0.21852	1.87E-06	-0.36511	3.58E-16	-0.39364	9.28E-19	-0.30066
-0.00652	0.8882	0.098865	0.03268	-0.26375	7.15E-09	-0.26055	1.10E-08	-0.2063
-0.06466	0.16299	0.061996	0.18108	-0.4344	6.46E-23	-0.26179	9.32E-09	-0.31552
-0.04441	0.33828	0.065937	0.15484	-0.29063	1.53E-10	-0.10442	0.02403	-0.2796
0.052226	0.26001	0.15791	0.00062	-0.25543	2.17E-08	-0.0433	0.35045	-0.23101
0.06214	0.18006	0.131159	0.00452	-0.18442	6.10E-05	-0.21112	4.18E-06	-0.13671
0.063536	0.17046	0.160034	0.00052	-0.25202	3.37E-08	-0.19586	2.02E-05	-0.16926
0.11726	0.01121	0.21395	3.08E-06	-0.0955	0.03913	-0.12603	0.00639	-0.11292
-0.12752	0.00579	0.047948	0.30115	-0.4124	1.33E-20	-0.25975	1.22E-08	-0.29488
-0.02124	0.6471	0.067449	0.14558	-0.30798	1.02E-11	-0.32032	1.33E-12	-0.16791
-0.13201	0.00427	0.060809	0.18959	-0.40779	3.88E-20	-0.31668	2.45E-12	-0.29237

0.020413	0.65994	0.100609	0.02972	-0.32807	3.52E-13	-0.29726	5.55E-11	-0.24362
-0.11015	0.01725	-0.04646	0.3164	-0.40301	1.15E-19	-0.30832	9.64E-12	-0.28356
-0.04525	0.32916	0.028239	0.54269	-0.4588	1.09E-25	-0.32184	1.03E-12	-0.33507
0.064581	0.16352	0.17958	9.53E-05	-0.2181	1.95E-06	-0.23127	4.35E-07	-0.09359
0.0332	0.47416	-0.05	0.28086	-0.27603	1.30E-09	-0.3321	1.74E-13	-0.10573
-0.04432	0.33923	0.029743	0.52141	-0.39332	9.97E-19	-0.26027	1.14E-08	-0.314
0.061121	0.18733	0.132583	0.0041	-0.31724	2.23E-12	-0.23529	2.70E-07	-0.2304
-0.06231	0.17885	0.093452	0.04354	-0.32479	6.20E-13	-0.28361	4.35E-10	-0.18347
-0.09287	0.04486	0.073653	0.11193	-0.4226	1.18E-21	-0.31852	1.80E-12	-0.3369
0.083337	0.07198	0.201346	1.16E-05	-0.09699	0.03614	-0.12354	0.00752	9.42E-05
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0.060537	0.19158	0.157788	0.00062	-0.23168	4.14E-07	-0.20033	1.29E-05	-0.2249
-0.05144	0.2673	0.078423	0.09049	-0.32606	4.99E-13	-0.10819	0.01936	-0.272
0.014292	0.75806	0.143008	0.00195	-0.07643	0.09899	-0.1057	0.02235	-0.05049
-0.05552	0.23108	-0.05671	0.22125	-0.42175	1.45E-21	-0.3968	4.63E-19	-0.30404
-0.03656	0.43058	0.139618	0.0025	-0.34817	9.37E-15	-0.18945	3.78E-05	-0.32065
-0.0655	0.15759	-0.02306	0.61911	-0.40341	1.05E-19	-0.38216	1.09E-17	-0.31478
-0.1081	0.01946	-0.1262	0.00632	-0.39696	4.47E-19	-0.30679	1.23E-11	-0.369
0.129954	0.00491	0.225686	8.32E-07	-0.12517	0.00676	-0.13685	0.00304	-0.15661
-0.08143	0.07876	-0.00445	0.92363	-0.30739	1.12E-11	-0.20803	5.81E-06	-0.35548
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0.019262	0.678	0.269571	3.22E-09	-0.31911	1.63E-12	-0.13937	0.00254	-0.16042
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0.213962	3.08E-06	0.443197	6.86E-24	-0.07981	0.08491	0.097906	0.03441	-0.0111
0.120084	0.00939	0.195014	2.20E-05	-0.24284	1.07E-07	-0.13631	0.00316	-0.15377
0.003227	0.94456	0.088497	0.056	-0.16643	0.0003	-0.14885	0.00126	-0.23306
0.079242	0.08717	0.103416	0.02543	-0.27878	8.77E-10	-0.18525	5.64E-05	-0.26125
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-0.0914	0.04838	-0.0995	0.03158	-0.32496	6.03E-13	-0.34529	1.60E-14	-0.32651
0.017228	0.7104	0.280587	6.76E-10	-0.20838	5.60E-06	-0.07968	0.08544	-0.219
-0.13327	0.00391	0.137991	0.00281	-0.45644	2.07E-25	-0.2615	9.69E-09	-0.38848
0.203085	9.73E-06	0.333508	1.35E-13	0.043125	0.35244	0.046493	0.31607	-0.02234
0.087927	0.0576	0.216616	2.30E-06	-0.24729	6.17E-08	-0.23478	2.87E-07	-0.15922
0.022749	0.62388	0.132378	0.00416	-0.40533	6.81E-20	-0.24023	1.48E-07	-0.30431
-0.069	0.13654	0.036996	0.42509	-0.39552	6.14E-19	-0.3196	1.50E-12	-0.37888
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0.035379	0.44562	0.174916	0.00015	-0.17902	0.0001	-0.14209	0.00208	-0.16345
0.016517	0.72183	0.146631	0.00149	-0.33731	6.86E-14	-0.10661	0.02121	-0.29962
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-0.08321	0.07242	0.062744	0.17586	-0.28722	2.55E-10	-0.18938	3.81E-05	-0.25874
-0.16582	0.00032	0.036252	0.43447	-0.52434	2.42E-34	-0.29548	7.30E-11	-0.47732
0.054879	0.23655	0.342618	2.62E-14	-0.235	2.79E-07	-0.06246	0.17784	-0.19937
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-0.29563	7.13E-11	-0.13084	0.00462	-0.62681	2.39E-52	-0.5109	2.06E-32	-0.48439
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0.095744	0.03862	0.058907	0.20384	-0.20389	8.95E-06	-0.2059	7.26E-06	-0.17236
-0.07546	0.10336	0.029424	0.52589	-0.49562	2.55E-30	-0.31329	4.29E-12	-0.3827
0.102349	0.02699	0.158204	0.0006	-0.31069	6.57E-12	-0.2644	6.55E-09	-0.23917
0.08046	0.0824	-0.03383	0.46581	0.448814	1.58E-24	0.338294	5.75E-14	0.365407
0.072239	0.11901	0.084396	0.06843	-0.29048	1.57E-10	-0.14873	0.00127	-0.22356
-0.09881	0.03278	-0.00972	0.83405	-0.41697	4.55E-21	-0.30171	2.77E-11	-0.34962
0.037963	0.41308	0.159919	0.00052	-0.28322	4.60E-10	-0.27459	1.60E-09	-0.24843
0.142848	0.00197	0.363072	5.35E-16	-0.14534	0.00164	-0.02279	0.62319	-0.09483
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-0.29194	1.25E-10	-0.1752	0.00014	-0.64926	3.03E-57	-0.51892	1.49E-33	-0.51243
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0.155525	0.00074	0.161556	0.00046	-0.05552	0.23112	-0.11908	0.01001	-0.08986
0.10617	0.02175	0.180819	8.51E-05	-0.16459	0.00035	-0.22087	1.44E-06	-0.11333
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0.135279	0.0034	0.211387	4.06E-06	0.011942	0.79688	-0.11155	0.01588	0.045502
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-0.19341	2.57E-05	0.022909	0.62145	-0.488	2.58E-29	-0.28571	3.19E-10	-0.39589
-0.03852	0.40629	-0.24626	7.02E-08	-0.31152	5.74E-12	-0.32797	3.58E-13	-0.2819
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0.025215	0.58676	0.064229	0.16584	-0.15841	0.00059	-0.27142	2.49E-09	-0.0943
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0.193063	2.66E-05	0.232539	3.74E-07	-0.1215	0.00858	-0.04746	0.30609	-0.05192
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0.053125	0.25189	0.00251	0.95686	-0.12815	0.00555	-0.2299	5.11E-07	-0.12575
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0.018162	0.69545	0.053539	0.2482	-0.24684	6.53E-08	-0.24419	9.10E-08	-0.16152
-0.19732	1.75E-05	-0.17156	0.0002	-0.46923	6.06E-27	-0.4581	1.32E-25	-0.37453
0.022563	0.62672	0.134813	0.00351	-0.33174	1.85E-13	-0.26287	8.06E-09	-0.24614
-0.00036	0.99381	0.061333	0.1858	-0.31422	3.68E-12	-0.3269	4.31E-13	-0.26741
0.040458	0.38303	-0.06704	0.14805	-0.18999	3.59E-05	-0.30703	1.19E-11	-0.25587
0.149757	0.00117	0.120798	0.00897	-0.01294	0.78028	-0.04417	0.34093	-0.04886
0.068507	0.13935	0.17609	0.00013	-0.27289	2.03E-09	-0.17691	0.00012	-0.26613
0.009302	0.84109	0.170349	0.00022	-0.29301	1.07E-10	-0.10625	0.02165	-0.21503
-0.02705	0.55988	0.262747	8.20E-09	-0.30027	3.47E-11	-0.07388	0.11085	-0.25005
-0.1482	0.00132	-0.03342	0.47127	-0.42457	7.35E-22	-0.36841	1.85E-16	-0.30413

0.006297	0.89204	0.130126	0.00486	-0.29784	5.07E-11	-0.21763	2.06E-06	-0.27739
0.060415	0.19248	0.113548	0.01408	-0.18746	4.57E-05	-0.18203	7.62E-05	0.00424
-0.29302	1.06E-10	-0.27383	1.78E-09	-0.55396	6.47E-39	-0.55918	9.08E-40	-0.44609
-0.03023	0.51467	-0.02904	0.5313	-0.3277	3.75E-13	-0.25472	2.38E-08	-0.28333
-0.06766	0.14434	0.124511	0.00706	-0.38552	5.37E-18	-0.20685	6.58E-06	-0.27968
0.09591	0.03828	0.318824	1.71E-12	-0.18688	4.83E-05	-0.09888	0.03265	-0.13647
-0.084	0.06973	0.00674	0.88449	-0.34555	1.52E-14	-0.23409	3.11E-07	-0.35282
-0.10991	0.0175	-0.08118	0.07967	-0.41706	4.46E-21	-0.43361	7.89E-23	-0.2897
-0.13865	0.00267	-0.07119	0.12449	-0.52132	6.68E-34	-0.42821	3.01E-22	-0.42529
0.069924	0.13133	0.206719	6.67E-06	-0.18461	5.99E-05	-0.11451	0.01329	-0.13384
-0.02496	0.59063	0.052638	0.25627	-0.2287	5.87E-07	-0.22921	5.53E-07	-0.23163
-0.01246	0.7883	0.160741	0.00049	-0.30393	1.95E-11	-0.19292	2.70E-05	-0.23517
-0.06796	0.14252	0.040016	0.38826	-0.42785	3.29E-22	-0.28735	2.50E-10	-0.35704
0.146007	0.00156	0.125857	0.00646	-0.08211	0.07629	-0.07285	0.11592	-0.13338
0.027559	0.55246	0.105668	0.02238	-0.31276	4.68E-12	-0.20461	8.31E-06	-0.21875
-0.20127	1.17E-05	-0.17409	0.00016	-0.48063	2.29E-28	-0.46533	1.81E-26	-0.44548
-0.01073	0.81711	-0.04028	0.38518	-0.3118	5.48E-12	-0.35851	1.31E-15	-0.24667
-0.01586	0.73255	0.231814	4.08E-07	-0.28338	4.50E-10	-0.06095	0.18854	-0.24597
-0.0019	0.96728	0.120339	0.00924	-0.34597	1.41E-14	-0.09968	0.03127	-0.26738
-0.01846	0.69071	-0.12337	0.00761	-0.06868	0.13835	-0.28037	6.98E-10	-0.0795
-0.00735	0.87415	0.023101	0.61852	-0.32784	3.66E-13	-0.19342	2.57E-05	-0.2402
0.017017	0.71379	0.178424	0.00011	-0.27799	9.82E-10	-0.10809	0.01947	-0.19232
-0.10739	0.02028	0.025281	0.58579	-0.46654	1.29E-26	-0.25871	1.41E-08	-0.40497
0.216469	2.34E-06	0.42605	5.12E-22	0.140591	0.00233	0.319869	1.43E-12	0.105453
0.299466	3.94E-11	0.537086	2.96E-36	0.273554	1.85E-09	0.383982	7.44E-18	0.2214
0.3378	6.29E-14	0.588821	6.43E-45	0.387698	3.37E-18	0.451692	7.39E-25	0.340898
-0.183	6.96E-05	-0.58986	4.16E-45	-0.15414	0.00083	-0.41736	4.15E-21	-0.22749
0.468211	8.07E-27	0.734373	2.79E-80	0.461389	5.37E-26	0.534114	8.41E-36	0.359015
0.288826	2.01E-10	0.738148	1.65E-81	0.287958	2.28E-10	0.545049	1.72E-37	0.278002
0.149996	0.00115	0.54856	4.78E-38	0.142739	0.00199	0.300714	3.24E-11	0.184016
0.361975	6.64E-16	0.70334	6.28E-71	0.247971	5.66E-08	0.522772	4.11E-34	0.210154
0.431545	1.32E-22	0.823925	#####	0.362012	6.60E-16	0.600881	3.61E-47	0.35593
-0.30708	1.18E-11	-0.49054	1.20E-29	-0.32694	4.28E-13	-0.41257	1.28E-20	-0.39824
0.517557	2.34E-33	0.790593	#####	0.566242	5.99E-41	0.650585	1.52E-57	0.476147
0.47795	5.01E-28	0.668261	1.01E-61	0.53145	2.12E-35	0.575012	1.87E-42	0.454784
0.124025	0.00729	0.430457	1.73E-22	0.250388	4.16E-08	0.403958	9.31E-20	0.203384
0.53432	7.83E-36	0.834792	#####	0.657386	4.05E-59	0.696421	5.24E-69	0.631604
0.285614	3.24E-10	0.440516	1.37E-23	0.233492	3.34E-07	0.316396	2.57E-12	0.217116
0.538186	2.01E-36	0.799972	#####	0.754087	6.14E-87	0.804876	#####	0.703303
0.375126	4.73E-17	0.810533	#####	0.375755	4.15E-17	0.587637	1.06E-44	0.353075
0.339179	4.90E-14	0.670681	2.56E-62	0.369758	1.41E-16	0.517684	2.24E-33	0.343814
0.233783	3.23E-07	0.648269	5.10E-57	0.097941	0.03435	0.321448	1.10E-12	0.11735
0.36916	1.59E-16	0.71798	3.49E-75	0.297233	5.57E-11	0.556956	2.11E-39	0.216049
0.348216	9.29E-15	0.76198	8.77E-90	0.342459	2.70E-14	0.622675	1.73E-51	0.323046
0.429517	2.18E-22	0.766252	2.27E-91	0.486831	3.66E-29	0.72519	2.22E-77	0.331928

0.355851	2.18E-15	0.719343	1.36E-75	0.244384	8.88E-08	0.531537	2.06E-35	0.243142
0.415606	6.28E-21	0.652257	6.28E-58	0.435959	4.36E-23	0.500411	5.78E-31	0.42572
0.391047	1.63E-18	0.815633	#####	0.354148	3.03E-15	0.603528	1.12E-47	0.526377
0.24158	1.26E-07	0.567046	4.38E-41	0.248125	5.55E-08	0.36557	3.26E-16	0.348273
0.347966	9.73E-15	0.546632	9.67E-38	0.4123	1.36E-20	0.399982	2.28E-19	0.404097
0.572194	5.77E-42	0.787505	#####	0.665773	4.06E-61	0.680117	1.09E-64	0.642357
0.268679	3.65E-09	0.682238	3.09E-65	0.310407	6.88E-12	0.528724	5.44E-35	0.308043
0.550837	2.07E-38	0.696535	4.87E-69	0.685421	4.60E-66	0.70031	4.42E-70	0.500717
0.477097	6.41E-28	0.84277	#####	0.388864	2.62E-18	0.536085	4.22E-36	0.442953
0.485661	5.19E-29	0.812537	#####	0.601677	2.54E-47	0.722054	2.04E-76	0.541722
0.497985	1.23E-30	0.738991	8.71E-82	0.623909	9.61E-52	0.636519	2.05E-54	0.559076
0.350389	6.17E-15	0.574659	2.16E-42	0.393825	8.92E-19	0.512407	1.27E-32	0.270222
0.513287	9.50E-33	0.683253	1.69E-65	0.719153	1.55E-75	0.692487	6.12E-68	0.651177
0.198304	1.58E-05	0.612773	1.75E-49	0.290512	1.56E-10	0.566147	6.22E-41	0.188141
0.396262	5.21E-19	0.565044	9.55E-41	0.330215	2.42E-13	0.419648	2.41E-21	0.316812
0.196019	1.99E-05	0.477455	5.78E-28	0.225433	8.56E-07	0.225264	8.73E-07	0.472757
0.381771	1.19E-17	0.649701	2.41E-57	0.405309	6.84E-20	0.454356	3.63E-25	0.354219
0.343742	2.13E-14	0.662402	2.63E-60	0.452049	6.72E-25	0.537602	2.47E-36	0.372559
0.174181	0.00015	0.492243	7.17E-30	0.09802	0.0342	0.271038	2.63E-09	0.102123
0.525405	1.69E-34	0.747698	1.03E-84	0.543295	3.24E-37	0.639991	3.58E-55	0.463766
0.467986	8.60E-27	0.735281	1.42E-80	0.49727	1.54E-30	0.49918	8.49E-31	0.54816
0.346389	1.31E-14	0.605775	4.13E-48	0.412972	1.17E-20	0.580044	2.44E-43	0.439625
0.660072	9.42E-60	0.736722	4.83E-81	0.30206	2.62E-11	0.50149	4.13E-31	0.260549
0.491161	9.96E-30	0.673245	5.93E-63	0.278793	8.76E-10	0.538082	2.08E-36	0.270651
0.460442	6.96E-26	0.707691	3.64E-72	0.363478	4.94E-16	0.586566	1.66E-44	0.294576
0.301298	2.96E-11	0.667648	1.42E-61	0.112547	0.01496	0.376007	3.94E-17	0.194818
0.109925	0.01749	0.534351	7.74E-36	-0.08607	0.06311	0.187209	4.68E-05	0.236973
0.384143	7.19E-18	0.646175	1.51E-56	0.548585	4.74E-38	0.656322	7.18E-59	0.436475
-0.33947	4.64E-14	-0.67392	4.03E-63	-0.43611	4.20E-23	-0.54376	2.74E-37	-0.42448
0.473265	1.93E-27	0.767489	7.78E-92	0.564073	1.39E-40	0.695518	9.24E-69	0.5469
0.229463	5.37E-07	0.439265	1.89E-23	0.30246	2.46E-11	0.370865	1.13E-16	0.309671
0.518199	1.89E-33	0.738559	1.21E-81	0.628613	1.00E-52	0.67197	1.23E-62	0.544425
0.131098	0.00454	0.509888	2.86E-32	0.08008	0.08387	0.206184	7.05E-06	0.155605
0.188316	4.22E-05	0.483985	8.54E-29	0.302387	2.49E-11	0.488374	2.31E-29	0.223311
0.276817	1.16E-09	0.75782	2.86E-88	0.289736	1.75E-10	0.595915	3.13E-46	0.306675
0.437788	2.75E-23	0.768978	2.12E-92	0.508002	5.24E-32	0.569549	1.64E-41	0.504719
0.341183	3.40E-14	0.617856	1.67E-50	0.293673	9.63E-11	0.493653	4.67E-30	0.217708
0.28852	2.10E-10	0.590804	2.78E-45	0.086463	0.06191	0.27545	1.41E-09	0.078828
0.375279	4.58E-17	0.589002	5.96E-45	0.333468	1.36E-13	0.484512	7.31E-29	0.42011
0.578979	3.77E-43	0.77788	7.25E-96	0.71905	1.66E-75	0.689506	3.85E-67	0.629941
0.205733	7.39E-06	0.650001	2.06E-57	0.133753	0.00378	0.396238	5.24E-19	0.148938
0.504063	1.84E-31	0.711299	3.29E-73	0.624174	8.47E-52	0.650897	1.29E-57	0.589839
0.474455	1.37E-27	0.698971	1.04E-69	0.532208	1.63E-35	0.597146	1.84E-46	0.356716
0.210806	4.33E-06	0.576368	1.09E-42	0.345521	1.53E-14	0.504821	1.44E-31	0.23844
0.52239	4.67E-34	0.845078	#####	0.689624	3.58E-67	0.7443	1.48E-83	0.60724

0.381776	1.19E-17	0.69632	5.58E-69	0.326682	4.48E-13	0.48176	1.65E-28	0.354121
0.360848	8.29E-16	0.700262	4.56E-70	0.348395	8.98E-15	0.362075	6.52E-16	0.335308
0.306774	1.24E-11	0.598994	8.24E-47	0.297543	5.31E-11	0.48272	1.24E-28	0.276996
0.376297	3.71E-17	0.715534	1.87E-74	0.40345	1.04E-19	0.47432	1.43E-27	0.452337
-0.18423	6.21E-05	-0.44834	1.80E-24	-0.14702	0.00144	-0.19025	3.50E-05	-0.33503
0.320006	1.40E-12	0.529413	4.29E-35	0.375446	4.43E-17	0.487576	2.93E-29	0.32772
0.285823	3.14E-10	0.709705	9.56E-73	0.454551	3.44E-25	0.644388	3.81E-56	0.335253
0.308435	9.47E-12	0.632143	1.79E-53	0.338715	5.33E-14	0.464516	2.27E-26	0.36256
0.154206	0.00083	0.385974	4.87E-18	0.0599	0.19631	0.168264	0.00026	0.092718
0.264485	6.48E-09	0.585342	2.76E-44	0.33233	1.67E-13	0.520303	9.39E-34	0.282395
0.418248	3.36E-21	0.767277	9.35E-92	0.5034	2.26E-31	0.619175	9.00E-51	0.408555
0.441861	9.69E-24	0.589575	4.68E-45	0.499732	7.15E-31	0.546715	9.38E-38	0.435694
0.219428	1.69E-06	0.469757	5.22E-27	0.14011	0.00241	0.263519	7.38E-09	0.19149
0.51578	4.20E-33	0.84981	#####	0.550428	2.40E-38	0.683171	1.77E-65	0.468797
0.342462	2.69E-14	0.757278	4.48E-88	0.376099	3.87E-17	0.626575	2.68E-52	0.287345
0.399735	2.41E-19	0.64011	3.37E-55	0.495733	2.47E-30	0.495796	2.42E-30	0.408507
0.325179	5.80E-13	0.501613	3.97E-31	0.335359	9.74E-14	0.340042	4.19E-14	0.280457
0.382974	9.21E-18	0.675845	1.32E-63	0.460137	7.57E-26	0.592209	1.53E-45	0.44145
0.201213	1.18E-05	0.457676	1.48E-25	0.262204	8.82E-09	0.392851	1.10E-18	0.277251
0.318963	1.67E-12	0.647778	6.59E-57	0.312577	4.82E-12	0.590075	3.79E-45	0.221894
0.317331	2.20E-12	0.663394	1.52E-60	0.285854	3.12E-10	0.412664	1.25E-20	0.293348
0.299432	3.96E-11	0.613506	1.25E-49	0.331479	1.94E-13	0.423857	8.73E-22	0.332596
0.197638	1.69E-05	0.639951	3.65E-55	0.128458	0.00543	0.38563	5.24E-18	0.168752
0.414327	8.49E-21	0.654827	1.60E-58	0.323823	7.32E-13	0.41742	4.09E-21	0.319815
0.498131	1.18E-30	0.742924	4.29E-83	0.668253	1.01E-61	0.681353	5.23E-65	0.616099
0.43032	1.79E-22	0.684542	7.81E-66	0.576323	1.11E-42	0.531047	2.44E-35	0.509384
0.350815	5.70E-15	0.638862	6.33E-55	0.354945	2.60E-15	0.368106	1.97E-16	0.378479
0.333783	1.29E-13	0.70971	9.52E-73	0.373731	6.29E-17	0.495529	2.63E-30	0.321651
0.38944	2.32E-18	0.733539	5.17E-80	0.354366	2.90E-15	0.488316	2.35E-29	0.380204
0.523395	3.33E-34	0.674812	2.41E-63	0.614126	9.38E-50	0.557674	1.61E-39	0.574508
0.247116	6.30E-08	0.497226	1.56E-30	0.098051	0.03415	0.262975	7.95E-09	0.114373
0.25601	2.01E-08	0.53811	2.06E-36	0.320347	1.32E-12	0.358288	1.36E-15	0.269522
0.42594	5.26E-22	0.736463	5.86E-81	0.486181	4.45E-29	0.729199	1.24E-78	0.324243
0.368498	1.82E-16	0.70748	4.18E-72	0.551513	1.61E-38	0.689315	4.32E-67	0.449146
0.279411	8.01E-10	0.564949	9.91E-41	0.256048	2.00E-08	0.356172	2.05E-15	0.315425
0.3139	3.88E-12	0.638658	7.01E-55	0.2109	4.28E-06	0.46445	2.31E-26	0.210412
0.497313	1.52E-30	0.688165	8.72E-67	0.271493	2.47E-09	0.412069	1.44E-20	0.203894
0.645298	2.38E-56	0.704218	3.55E-71	0.592654	1.27E-45	0.687983	9.75E-67	0.55801
0.166595	0.0003	0.456222	2.19E-25	0.389966	2.07E-18	0.498097	1.19E-30	0.3006
0.426103	5.05E-22	0.49632	2.06E-30	0.427722	3.40E-22	0.491587	8.75E-30	0.285377
0.459039	1.02E-25	0.683578	1.39E-65	0.532821	1.32E-35	0.649789	2.31E-57	0.383173
0.277029	1.13E-09	0.594739	5.20E-46	0.265917	5.33E-09	0.427253	3.81E-22	0.248071
0.310548	6.72E-12	0.500831	5.07E-31	0.40714	4.50E-20	0.472821	2.19E-27	0.368439
0.463608	2.91E-26	0.82833	#####	0.685667	3.97E-66	0.833857	#####	0.598772
0.518136	1.93E-33	0.763206	3.10E-90	0.529845	3.70E-35	0.562022	3.06E-40	0.474772



0.408875	3.02E-20	0.665259	5.41E-61	0.355871	2.17E-15	0.556116	2.89E-39	0.334497
0.563676	1.62E-40	0.66906	6.42E-62	0.695419	9.83E-69	0.666549	2.63E-61	0.593433
0.574805	2.03E-42	0.764788	8.02E-91	0.717171	6.09E-75	0.756554	8.14E-88	0.596349
0.425366	6.05E-22	0.604876	6.17E-48	0.528892	5.13E-35	0.576645	9.71E-43	0.450701
0.602051	2.16E-47	0.787889	#####	0.682628	2.45E-65	0.646967	1.00E-56	0.602936
0.117906	0.01077	0.513283	9.51E-33	0.17429	0.00015	0.344299	1.92E-14	0.257376
0.337407	6.75E-14	0.625509	4.47E-52	0.379813	1.79E-17	0.501396	4.25E-31	0.554411
0.476662	7.27E-28	0.661008	5.65E-60	0.494091	4.08E-30	0.501711	3.85E-31	0.429805
0.448981	1.52E-24	0.664733	7.25E-61	0.556216	2.78E-39	0.518087	1.96E-33	0.458077
0.39939	2.60E-19	0.749886	1.82E-85	0.425146	6.38E-22	0.636455	2.12E-54	0.385887
0.345748	1.47E-14	0.723773	6.08E-77	0.222308	1.22E-06	0.337127	7.09E-14	0.305032
0.253258	2.87E-08	0.480706	2.24E-28	0.320251	1.34E-12	0.335285	9.87E-14	0.330348
0.383105	8.96E-18	0.668738	7.70E-62	0.380784	1.46E-17	0.563757	1.57E-40	0.359971
0.226711	7.39E-07	0.524588	2.23E-34	0.182414	7.35E-05	0.327058	4.19E-13	0.198436
0.379354	1.97E-17	0.602871	1.50E-47	0.406735	4.94E-20	0.496629	1.87E-30	0.352723
0.121487	0.00859	0.471612	3.09E-27	0.20406	8.80E-06	0.319806	1.45E-12	0.249671
0.391932	1.35E-18	0.693687	2.90E-68	0.514726	5.94E-33	0.655723	9.90E-59	0.440447
0.327107	4.16E-13	0.685384	4.71E-66	0.154273	0.00082	0.469497	5.62E-27	0.14283
0.452543	5.89E-25	0.764002	1.57E-90	0.558667	1.10E-39	0.609402	8.10E-49	0.407562
0.53536	5.44E-36	0.660481	7.54E-60	0.686788	2.01E-66	0.639675	4.20E-55	0.520535
0.517416	2.45E-33	0.829765	#####	0.456275	2.16E-25	0.583323	6.36E-44	0.425836
0.427412	3.67E-22	0.808377	#####	0.433769	7.57E-23	0.555147	4.16E-39	0.441994
0.425647	5.65E-22	0.765966	2.91E-91	0.597323	1.70E-46	0.697714	2.31E-69	0.546812
0.519822	1.10E-33	0.792805	#####	0.663304	1.60E-60	0.701164	2.56E-70	0.589156
0.433035	9.10E-23	0.761075	1.88E-89	0.508284	4.79E-32	0.54373	2.77E-37	0.499147
0.481798	1.63E-28	0.690957	1.58E-67	0.402741	1.23E-19	0.504835	1.44E-31	0.393003
0.401448	1.64E-19	0.729365	1.10E-78	0.358744	1.25E-15	0.461248	5.58E-26	0.272108
-0.27941	8.00E-10	-0.52258	4.39E-34	-0.34206	2.90E-14	-0.41805	3.52E-21	-0.32139
0.374873	4.98E-17	0.690894	1.64E-67	0.631673	2.25E-53	0.807493	#####	0.510473
0.41527	6.80E-21	0.751303	5.84E-86	0.632144	1.79E-53	0.696637	4.57E-69	0.572614
0.323753	7.41E-13	0.516469	3.35E-33	0.198019	1.63E-05	0.391674	1.43E-18	0.133853
0.53229	1.59E-35	0.769864	9.73E-93	0.460413	7.02E-26	0.522864	3.98E-34	0.387687
-0.26371	7.20E-09	-0.64963	2.51E-57	-0.28372	4.28E-10	-0.494	4.20E-30	-0.34637
0.395588	6.05E-19	0.623087	1.42E-51	0.427993	3.18E-22	0.498633	1.01E-30	0.392713
-0.29532	7.48E-11	-0.55823	1.30E-39	-0.28689	2.68E-10	-0.43234	1.08E-22	-0.33331
0.476599	7.40E-28	0.68693	1.85E-66	0.624754	6.42E-52	0.662134	3.05E-60	0.591863
0.536982	3.07E-36	0.765095	6.16E-91	0.618455	1.26E-50	0.754011	6.53E-87	0.580754
0.502128	3.38E-31	0.721694	2.63E-76	0.595803	3.29E-46	0.65698	5.04E-59	0.537598
0.412246	1.38E-20	0.811967	#####	0.491776	8.27E-30	0.705669	1.38E-71	0.429829
0.274532	1.61E-09	0.583881	5.05E-44	0.235789	2.54E-07	0.455392	2.74E-25	0.205031
0.417362	4.15E-21	0.763697	2.04E-90	0.563102	2.02E-40	0.708197	2.60E-72	0.51778
0.360223	9.36E-16	0.734029	3.60E-80	0.449511	1.32E-24	0.545365	1.53E-37	0.437861
0.540044	1.04E-36	0.740581	2.60E-82	0.671579	1.54E-62	0.705065	2.04E-71	0.557007
0.463519	2.99E-26	0.689516	3.82E-67	0.543131	3.44E-37	0.593384	9.29E-46	0.49533
0.262404	8.58E-09	0.554812	4.71E-39	0.236462	2.34E-07	0.330927	2.14E-13	0.183847

0.379467	1.92E-17	0.747729	1.01E-84	0.189616	3.72E-05	0.362155	6.41E-16	0.201646
0.586898	1.44E-44	0.721901	2.27E-76	0.65941	1.35E-59	0.624588	6.95E-52	0.576203
0.314036	3.79E-12	0.642059	1.25E-55	0.22613	7.90E-07	0.366391	2.77E-16	0.296497
0.338895	5.16E-14	0.717071	6.53E-75	0.44736	2.32E-24	0.535312	5.53E-36	0.40958
0.471101	3.57E-27	0.753953	6.85E-87	0.569543	1.65E-41	0.618765	1.09E-50	0.564406
0.209293	5.08E-06	0.542182	4.83E-37	0.350323	6.25E-15	0.609996	6.19E-49	0.31171
0.218349	1.90E-06	0.547743	6.45E-38	0.270002	3.04E-09	0.421177	1.67E-21	0.216482
0.323003	8.42E-13	0.67834	3.09E-64	0.41232	1.36E-20	0.531595	2.02E-35	0.456685
0.349972	6.68E-15	0.698642	1.28E-69	0.301162	3.02E-11	0.464284	2.42E-26	0.256422
0.52986	3.68E-35	0.754665	3.84E-87	0.74623	3.28E-84	0.764955	6.95E-91	0.623086
0.35009	6.53E-15	0.600831	3.69E-47	0.492071	7.56E-30	0.599892	5.57E-47	0.45701
-0.27328	1.92E-09	-0.58124	1.50E-43	-0.17094	0.00021	-0.42018	2.12E-21	-0.24746
0.385746	5.11E-18	0.646075	1.60E-56	0.305276	1.57E-11	0.488699	2.09E-29	0.245347
0.353129	3.67E-15	0.632443	1.54E-53	0.240045	1.52E-07	0.323262	8.06E-13	0.19612
0.454167	3.82E-25	0.787468	#####	0.454623	3.38E-25	0.552731	1.02E-38	0.426331
0.507544	6.07E-32	0.772392	1.04E-93	0.421075	1.71E-21	0.50147	4.15E-31	0.362771
0.415883	5.89E-21	0.754795	3.45E-87	0.367466	2.24E-16	0.564919	1.00E-40	0.278038
0.29431	8.74E-11	0.619745	6.89E-51	0.164903	0.00035	0.39436	7.93E-19	0.175075
0.233591	3.30E-07	0.544976	1.76E-37	0.39585	5.71E-19	0.565504	7.99E-41	0.193606
0.30126	2.97E-11	0.60674	2.68E-48	0.343601	2.19E-14	0.419038	2.78E-21	0.40116
0.516555	3.25E-33	0.78441	1.64E-98	0.657713	3.39E-59	0.713076	9.95E-74	0.588468
0.409102	2.87E-20	0.701055	2.74E-70	0.279712	7.67E-10	0.427299	3.77E-22	0.332633
0.514745	5.90E-33	0.750918	7.95E-86	0.551978	1.36E-38	0.50321	2.40E-31	0.5412
0.411859	1.51E-20	0.860119	#####	0.419997	2.21E-21	0.620908	3.98E-51	0.411482
0.572978	4.22E-42	0.822193	#####	0.577964	5.70E-43	0.595804	3.29E-46	0.590853
0.231941	4.02E-07	0.523016	3.78E-34	0.115757	0.01231	0.407909	3.77E-20	0.100762
0.39005	2.03E-18	0.621495	3.02E-51	0.494653	3.44E-30	0.596197	2.77E-46	0.38372
0.272661	2.09E-09	0.553075	9.01E-39	0.450154	1.11E-24	0.574683	2.14E-42	0.381961
0.30328	2.16E-11	0.703886	4.40E-71	0.270859	2.69E-09	0.50526	1.26E-31	0.234062
0.312397	4.97E-12	0.520332	9.30E-34	0.410072	2.29E-20	0.47744	5.80E-28	0.366023
0.487345	3.14E-29	0.691551	1.09E-67	0.570538	1.11E-41	0.608804	1.06E-48	0.454807
0.426565	4.51E-22	0.676082	1.15E-63	0.366836	2.54E-16	0.449976	1.16E-24	0.302236
0.367864	2.07E-16	0.488771	2.05E-29	0.373187	7.03E-17	0.411249	1.74E-20	0.278713
0.265955	5.30E-09	0.644607	3.40E-56	0.251597	3.56E-08	0.40874	3.12E-20	0.243236
0.305591	1.50E-11	0.74406	1.78E-83	0.327692	3.76E-13	0.52616	1.31E-34	0.397998
0.286712	2.75E-10	0.571466	7.70E-42	0.152269	0.00096	0.351532	4.98E-15	0.150204
-0.30736	1.13E-11	-0.51896	1.47E-33	-0.29038	1.59E-10	-0.29482	8.08E-11	-0.37584
0.311722	5.55E-12	0.522684	4.23E-34	0.336588	7.81E-14	0.40012	2.21E-19	0.366954
-0.42506	6.51E-22	-0.60514	5.49E-48	-0.37756	2.86E-17	-0.53242	1.52E-35	-0.17685
0.526437	1.19E-34	0.708782	1.77E-72	0.560931	4.65E-40	0.645725	1.91E-56	0.381688
-0.21491	2.78E-06	-0.49581	2.41E-30	-0.24262	1.11E-07	-0.38798	3.17E-18	-0.32282
0.40262	1.26E-19	0.599983	5.35E-47	0.390991	1.65E-18	0.403174	1.11E-19	0.575645
0.350422	6.14E-15	0.748305	6.38E-85	0.314324	3.62E-12	0.519953	1.06E-33	0.246105
0.431933	1.20E-22	0.536286	3.93E-36	0.426682	4.38E-22	0.491892	7.98E-30	0.311175
0.451284	8.24E-25	0.617818	1.70E-50	0.52694	1.00E-34	0.623447	1.20E-51	0.403018

0.130692	0.00467	0.440078	1.53E-23	0.29892	4.29E-11	0.35898	1.19E-15	0.31743
0.370342	1.25E-16	0.572573	4.96E-42	0.362658	5.81E-16	0.349842	6.84E-15	0.308247
0.542748	3.94E-37	0.613124	1.49E-49	0.254189	2.55E-08	0.382988	9.18E-18	0.277764
0.386588	4.27E-18	0.746071	3.71E-84	0.478124	4.76E-28	0.590597	3.04E-45	0.397532
0.333296	1.41E-13	0.799104	#####	0.361316	7.56E-16	0.569329	1.79E-41	0.375462
0.357555	1.57E-15	0.701036	2.78E-70	0.409747	2.47E-20	0.484142	8.15E-29	0.395961
0.381252	1.32E-17	0.780923	4.35E-97	0.373039	7.25E-17	0.515727	4.27E-33	0.298236
0.457371	1.61E-25	0.758708	1.37E-88	0.743306	3.20E-83	0.766823	1.39E-91	0.695624
0.439762	1.66E-23	0.610346	5.28E-49	0.555115	4.21E-39	0.523404	3.32E-34	0.498172
0.489621	1.59E-29	0.702932	8.18E-71	0.389417	2.33E-18	0.468531	7.38E-27	0.372901
0.330011	2.51E-13	0.675148	1.98E-63	0.425402	5.99E-22	0.634863	4.67E-54	0.371646
0.336888	7.41E-14	0.535038	6.09E-36	0.376254	3.75E-17	0.455445	2.71E-25	0.346156
0.212077	3.77E-06	0.647632	7.11E-57	0.247703	5.85E-08	0.563709	1.60E-40	0.270209
0.455103	2.97E-25	0.709749	9.28E-73	0.570257	1.24E-41	0.567363	3.87E-41	0.461356
0.377205	3.08E-17	0.697526	2.60E-69	0.45425	3.73E-25	0.507956	5.32E-32	0.466955
0.654741	1.68E-58	0.598971	8.32E-47	0.368726	1.74E-16	0.371272	1.04E-16	0.340868
0.279599	7.79E-10	0.639473	4.65E-55	0.243276	1.02E-07	0.528954	5.03E-35	0.203173
0.418556	3.12E-21	0.710532	5.50E-73	0.586668	1.59E-44	0.709876	8.53E-73	0.488225
0.325787	5.22E-13	0.488364	2.32E-29	0.346871	1.19E-14	0.413304	1.08E-20	0.311484
0.230319	4.86E-07	0.532963	1.26E-35	0.427551	3.54E-22	0.609357	8.26E-49	0.314762
0.375731	4.17E-17	0.562498	2.55E-40	0.272496	2.14E-09	0.385432	5.47E-18	0.210369
0.189866	3.63E-05	0.482214	1.44E-28	0.138925	0.00262	0.319665	1.48E-12	0.160146
0.400131	2.20E-19	0.601786	2.42E-47	0.46843	7.59E-27	0.542554	4.23E-37	0.35599
0.451929	6.94E-25	0.814619	#####	0.665105	5.89E-61	0.753538	9.60E-87	0.536668
0.403464	1.04E-19	0.728076	2.80E-78	0.406642	5.05E-20	0.530784	2.67E-35	0.416887
0.323057	8.35E-13	0.713253	8.83E-74	0.375681	4.22E-17	0.580543	1.99E-43	0.342986
0.214093	3.04E-06	0.526196	1.29E-34	0.301694	2.78E-11	0.428536	2.78E-22	0.283341
0.230213	4.92E-07	0.485385	5.64E-29	0.307202	1.16E-11	0.360663	8.59E-16	0.330453
0.211431	4.05E-06	0.632145	1.79E-53	0.305134	1.61E-11	0.540394	9.17E-37	0.209116
0.430879	1.56E-22	0.609904	6.45E-49	0.414636	7.90E-21	0.484012	8.47E-29	0.254028
0.312013	5.29E-12	0.638191	8.87E-55	0.190336	3.47E-05	0.34951	7.29E-15	0.171459
0.467572	9.66E-27	0.785957	3.74E-99	0.417312	4.20E-21	0.511497	1.70E-32	0.433087
0.47532	1.07E-27	0.473753	1.68E-27	0.540945	7.53E-37	0.430878	1.56E-22	0.497647
0.454523	3.47E-25	0.588071	8.82E-45	0.481669	1.69E-28	0.462581	3.87E-26	0.419371
0.469197	6.12E-27	0.71655	9.34E-75	0.598893	8.61E-47	0.646695	1.16E-56	0.494127
0.257864	1.57E-08	0.589348	5.15E-45	0.220921	1.43E-06	0.456732	1.91E-25	0.228886
0.374171	5.75E-17	0.671953	1.24E-62	0.437915	2.66E-23	0.657364	4.10E-59	0.363841
0.289233	1.89E-10	0.499048	8.85E-31	0.27272	2.08E-09	0.3083	9.68E-12	0.288387
0.550255	2.56E-38	0.784792	1.14E-98	0.783686	3.25E-98	0.837214	#####	0.690655
0.443055	7.12E-24	0.817905	#####	0.465803	1.58E-26	0.630615	3.78E-53	0.472489
0.628637	9.90E-53	0.748439	5.74E-85	0.316794	2.40E-12	0.447918	2.00E-24	0.326933
0.419504	2.49E-21	0.810039	#####	0.317051	2.30E-12	0.448989	1.51E-24	0.329943
0.346769	1.22E-14	0.491908	7.94E-30	0.347336	1.09E-14	0.434334	6.57E-23	0.279141
0.483268	1.06E-28	0.581787	1.20E-43	0.490309	1.29E-29	0.541226	6.81E-37	0.367488
0.425671	5.61E-22	0.767804	5.91E-92	0.396295	5.18E-19	0.651256	1.07E-57	0.304741

0.562944	2.15E-40	0.732383	1.21E-79	0.73402	3.62E-80	0.708085	2.80E-72	0.646836
0.563321	1.86E-40	0.761892	9.45E-90	0.651831	7.87E-58	0.661384	4.60E-60	0.584118
0.580273	2.23E-43	0.846146	#####	0.708968	1.56E-72	0.770035	8.37E-93	0.61799
0.371962	9.03E-17	0.393493	9.59E-19	0.449783	1.23E-24	0.359767	1.02E-15	0.388525
0.550452	2.38E-38	0.860359	#####	0.746092	3.65E-84	0.781001	4.05E-97	0.677818
0.37937	1.96E-17	0.727717	3.63E-78	0.283949	4.14E-10	0.456426	2.08E-25	0.263278
0.519838	1.10E-33	0.778886	2.87E-96	0.603787	1.00E-47	0.726449	9.03E-78	0.540631
0.311567	5.69E-12	0.569808	1.48E-41	0.259218	1.31E-08	0.341552	3.18E-14	0.222558
0.529219	4.59E-35	0.881821	#####	0.65628	7.34E-59	0.734838	1.97E-80	0.62002
0.465058	1.95E-26	0.788681	#####	0.556861	2.18E-39	0.686432	2.50E-66	0.491735
0.347748	1.01E-14	0.560202	6.14E-40	0.318279	1.87E-12	0.314607	3.45E-12	0.347621
0.47371	1.70E-27	0.785959	3.74E-99	0.563219	1.93E-40	0.620727	4.34E-51	0.505702
0.480243	2.57E-28	0.860394	#####	0.541917	5.32E-37	0.799416	#####	0.416405
0.488333	2.34E-29	0.68732	1.46E-66	0.614598	7.55E-50	0.678056	3.65E-64	0.52537
-0.30279	2.34E-11	-0.64571	1.93E-56	-0.20753	6.12E-06	-0.45772	1.46E-25	-0.20343
0.361634	7.10E-16	0.676827	7.48E-64	0.506453	8.60E-32	0.578458	4.66E-43	0.458251
0.445129	4.16E-24	0.762504	5.63E-90	0.423464	9.60E-22	0.689442	4.00E-67	0.396648
0.356269	2.01E-15	0.756746	6.95E-88	0.409208	2.80E-20	0.701743	1.76E-70	0.355554
0.38445	6.74E-18	0.566024	6.53E-41	0.465732	1.62E-26	0.454903	3.13E-25	0.487235
0.288349	2.15E-10	0.746965	1.84E-84	0.155541	0.00074	0.47661	7.38E-28	0.200497
0.265473	5.66E-09	0.536616	3.50E-36	0.250311	4.20E-08	0.429606	2.14E-22	0.15987
0.539842	1.12E-36	0.702524	1.06E-70	0.475823	9.26E-28	0.514631	6.12E-33	0.481559
0.288635	2.06E-10	0.536108	4.18E-36	0.309737	7.67E-12	0.441055	1.19E-23	0.261115
0.325286	5.69E-13	0.59491	4.83E-46	0.391573	1.46E-18	0.438628	2.22E-23	0.316441
0.221824	1.29E-06	0.615591	4.77E-50	0.441267	1.13E-23	0.622458	1.91E-51	0.417566
0.257457	1.66E-08	0.546899	8.77E-38	0.27195	2.31E-09	0.494993	3.10E-30	0.2154
0.35609	2.09E-15	0.596004	3.01E-46	0.261073	1.03E-08	0.333294	1.41E-13	0.183788
0.359687	1.04E-15	0.589848	4.17E-45	0.321255	1.13E-12	0.366663	2.63E-16	0.328013
0.360794	8.37E-16	0.776506	2.54E-95	0.431928	1.20E-22	0.674171	3.48E-63	0.400596
0.500888	4.98E-31	0.788484	#####	0.469285	5.97E-27	0.575758	1.39E-42	0.353813
0.379923	1.75E-17	0.655533	1.10E-58	0.563375	1.82E-40	0.610165	5.73E-49	0.550271
0.522931	3.89E-34	0.813589	#####	0.652814	4.67E-58	0.691834	9.18E-68	0.641171
-0.09635	0.0374	-0.44654	2.87E-24	-0.28313	4.66E-10	-0.41928	2.63E-21	-0.28241
0.414797	7.60E-21	0.68936	4.20E-67	0.222862	1.15E-06	0.330746	2.20E-13	0.229343
0.304291	1.84E-11	0.603873	9.64E-48	0.174114	0.00016	0.456765	1.89E-25	0.087776
0.233828	3.21E-07	0.426944	4.11E-22	0.277497	1.05E-09	0.296324	6.41E-11	0.278154
0.369419	1.51E-16	0.587856	9.65E-45	0.392281	1.25E-18	0.461576	5.10E-26	0.326142
0.534803	6.61E-36	0.741884	9.57E-83	0.708478	2.16E-72	0.699816	6.07E-70	0.629659
0.452133	6.57E-25	0.639025	5.83E-55	0.550295	2.52E-38	0.566777	4.87E-41	0.512831
0.207043	6.45E-06	0.687077	1.69E-66	0.192053	2.94E-05	0.530054	3.44E-35	0.370071
0.486845	3.65E-29	0.854567	#####	0.605435	4.81E-48	0.760257	3.75E-89	0.519839
0.445198	4.08E-24	0.694849	1.41E-68	0.502832	2.71E-31	0.578313	4.94E-43	0.446665
0.592471	1.37E-45	0.790397	#####	0.824216	#####	0.780346	7.45E-97	0.696065
0.446789	2.70E-24	0.762646	4.99E-90	0.549972	2.84E-38	0.70635	8.80E-72	0.441081
0.373968	6.00E-17	0.622016	2.36E-51	0.382183	1.09E-17	0.517414	2.45E-33	0.29058

0.371574	9.77E-17	0.566058	6.44E-41	0.377963	2.63E-17	0.57733	7.36E-43	0.355315
-0.22619	7.85E-07	-0.62857	1.02E-52	-0.46662	1.26E-26	-0.55804	1.39E-39	-0.4546
0.029265	0.52814	-0.12175	0.00844	0.246042	7.21E-08	0.260366	1.13E-08	0.131
-0.07823	0.09127	-0.10116	0.02882	0.033059	0.47604	0.168384	0.00026	0.020493
-0.1984	1.57E-05	-0.17821	0.00011	0.069463	0.1339	0.146041	0.00155	0.025694
-0.2662	5.13E-09	-0.18826	4.24E-05	0.044336	0.33907	0.162019	0.00044	-0.02598
-0.20135	1.16E-05	-0.1878	4.43E-05	0.034747	0.4538	0.155754	0.00073	-0.02016
0.184898	5.83E-05	-0.0609	0.18896	0.186937	4.81E-05	-0.04999	0.28104	0.121531
-0.22734	6.88E-07	-0.21741	2.11E-06	0.090575	0.05045	0.161817	0.00045	0.044779
-0.20475	8.19E-06	-0.10841	0.0191	0.082442	0.0751	0.181403	8.07E-05	0.021826
0.021887	0.63709	0.108445	0.01907	-0.23325	3.44E-07	-0.21919	1.73E-06	-0.1002
0.220992	1.42E-06	0.058896	0.20392	0.234214	3.07E-07	0.084427	0.06833	0.132083
-0.22868	5.88E-07	-0.15195	0.00099	0.095294	0.03954	0.186892	4.83E-05	0.023868
-0.28379	4.23E-10	-0.21573	2.54E-06	-0.03797	0.41294	-0.01554	0.73773	-0.03894
0.487607	2.91E-29	0.473738	1.68E-27	0.37921	2.03E-17	0.32192	1.01E-12	0.315303
-0.14444	0.00175	-0.19294	2.69E-05	-0.06298	0.17423	-0.04206	0.36446	-0.00509
-0.12873	0.00534	-0.07276	0.11638	0.136982	0.00301	0.128525	0.00541	0.092484
-0.23766	2.03E-07	-0.17992	9.24E-05	-0.06795	0.14262	0.03995	0.38904	-0.14228
0.102705	0.02646	-0.00124	0.97876	0.190008	3.58E-05	0.222199	1.24E-06	0.113662
-0.29263	1.13E-10	-0.23917	1.69E-07	-0.11657	0.01171	-0.00321	0.94476	-0.1949
-0.08438	0.06847	-0.04618	0.31931	-0.04581	0.32324	0.011532	0.80371	-0.0524
-0.26981	3.12E-09	-0.21282	3.48E-06	-0.13097	0.00458	-0.00866	0.85199	-0.18386
-0.13985	0.00245	-0.31732	2.20E-12	0.122899	0.00784	-0.02345	0.61324	0.036542
0.243875	9.46E-08	0.185424	5.55E-05	0.170525	0.00021	0.064178	0.16617	0.203481
0.079067	0.08787	0.068533	0.1392	-0.17323	0.00017	-0.14819	0.00132	-0.0837
-0.12236	0.00812	-0.02615	0.57296	-0.09469	0.04081	-0.0133	0.7744	-0.04677
0.026405	0.56923	-0.01962	0.67233	0.266089	5.21E-09	0.252174	3.31E-08	0.167008
-0.28325	4.58E-10	-0.16077	0.00049	-0.16102	0.00048	-0.05349	0.24867	-0.08869
-0.03846	0.40696	-0.05477	0.23752	0.220438	1.51E-06	0.164878	0.00035	0.185801
-0.28539	3.34E-10	-0.33432	1.17E-13	-0.17521	0.00014	-0.11932	0.00986	-0.17387
-0.10312	0.02586	-0.10344	0.02539	0.158264	0.0006	0.174915	0.00015	0.137166
-0.28944	1.83E-10	-0.27622	1.27E-09	-0.07836	0.09074	-0.04453	0.33691	-0.10706
-0.08323	0.07234	-0.2024	1.04E-05	0.057577	0.21426	0.033147	0.47486	0.016548
-0.16181	0.00045	-0.12016	0.00934	0.055008	0.23544	0.050287	0.27815	0.079949
-0.35654	1.91E-15	-0.23091	4.54E-07	-0.17294	0.00017	-0.05475	0.23766	-0.15576
-0.14631	0.00152	-0.15245	0.00095	0.01116	0.80992	0.024037	0.60436	0.071903
-0.19903	1.47E-05	-0.18671	4.91E-05	-0.02495	0.59074	0.015192	0.74333	-0.03426
-0.1412	0.00222	-0.27443	1.63E-09	0.101383	0.02848	-0.13116	0.00452	0.081565
-0.06757	0.14483	-0.09522	0.03969	-0.01061	0.8192	-0.04308	0.35297	0.038219
-0.19266	2.77E-05	-0.12687	0.00604	-0.01595	0.73094	-0.05904	0.20279	0.089969
-0.02801	0.54597	-0.00567	0.90271	0.069454	0.13395	0.112035	0.01542	0.082877
-0.27105	2.62E-09	-0.19674	1.85E-05	-0.03705	0.42443	0.11704	0.01137	-0.07872
-0.20313	9.69E-06	-0.0812	0.07963	-0.07473	0.10678	0.075635	0.10259	0.07313
0.080772	0.08122	-0.03832	0.40873	-0.11365	0.01399	-0.20008	1.32E-05	-0.03464
-0.16657	0.0003	-0.0928	0.04503	-0.01465	0.75224	0.083158	0.0726	0.003707

-0.20436	8.53E-06	-0.27901	8.48E-10	-0.0757	0.10229	-0.043	0.35388	-0.14156
-0.30206	2.62E-11	-0.24362	9.76E-08	-0.29436	8.68E-11	-0.18965	3.71E-05	-0.27183
-0.23337	3.39E-07	-0.1903	3.48E-05	0.039834	0.39042	0.076258	0.09978	0.01217
-0.17075	0.00021	-0.18167	7.87E-05	0.063797	0.16871	0.06453	0.16386	-0.01809
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0.31213	5.19E-12	0.174455	0.00015	0.144738	0.00171	0.043426	0.34909	0.067254
-0.04372	0.34587	-0.21554	2.59E-06	-0.10846	0.01905	-0.34515	1.64E-14	-0.05293
0.086225	0.06263	0.112329	0.01516	-0.02964	0.52285	-0.17524	0.00014	0.003552
-0.16329	0.0004	-0.20539	7.66E-06	0.254643	2.40E-08	0.149086	0.00123	0.19192
0.228499	6.01E-07	0.328111	3.49E-13	0.179053	0.0001	0.156114	0.00071	0.131137
-0.09324	0.04402	-0.14108	0.00224	0.200862	1.22E-05	0.114885	0.01298	0.186993
-0.06638	0.15205	0.015527	0.73788	0.071637	0.12212	0.124449	0.00709	0.108868
-0.19507	2.19E-05	-0.17643	0.00013	0.121043	0.00883	0.189355	3.82E-05	0.053806
0.342221	2.82E-14	0.108167	0.01938	0.292326	1.18E-10	0.135011	0.00346	0.139361
-0.05319	0.25129	0.004695	0.91941	0.181608	7.92E-05	0.220927	1.43E-06	0.051006
-0.28784	2.33E-10	-0.19109	3.23E-05	0.0097	0.83439	0.104578	0.02382	-0.01942
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0.065738	0.15609	0.047751	0.30314	0.233041	3.53E-07	0.171991	0.00019	0.109453
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0.061466	0.18484	-0.07669	0.09788	0.121382	0.00864	0.097439	0.03529	0.078022
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0.044982	0.33207	-0.01826	0.69395	0.254762	2.36E-08	0.178923	0.0001	0.283795
0.013854	0.76525	-0.10519	0.023	0.13999	0.00243	0.189699	3.69E-05	0.068546
-0.1245	0.00707	-0.10415	0.0244	0.188567	4.12E-05	0.184027	6.32E-05	0.178851
-0.20239	1.04E-05	-0.15241	0.00095	-0.01786	0.70031	0.018125	0.69605	0.080028
-0.24976	4.51E-08	-0.15003	0.00115	0.007231	0.87616	0.134092	0.00369	-0.04168
-0.12838	0.00546	-0.0333	0.47288	0.097432	0.0353	0.035882	0.43917	0.173546
0.049012	0.29053	-0.15679	0.00067	0.005153	0.91156	0.073152	0.1144	-0.07015
0.248571	5.24E-08	0.227751	6.56E-07	0.013515	0.77083	0.072075	0.11985	0.003378
-0.23362	3.29E-07	-0.16749	0.00028	0.040296	0.38494	0.090933	0.04954	-0.01006
-0.02486	0.5921	0.029425	0.52588	0.186565	4.98E-05	0.203448	9.37E-06	0.18303
0.068558	0.13906	-0.0437	0.34604	-0.2114	4.06E-06	-0.24895	4.99E-08	-0.09332
-0.11253	0.01497	-0.14748	0.00139	0.166484	0.0003	0.262633	8.32E-09	0.037016
-0.14992	0.00116	-0.03405	0.46285	-0.01731	0.70905	0.074242	0.10909	-0.09275
-0.25234	3.23E-08	-0.21799	1.98E-06	-0.05038	0.27728	0.065419	0.15812	-0.10858
-0.15954	0.00054	-0.14042	0.00235	0.052445	0.25802	0.149013	0.00124	0.009047
0.320782	1.23E-12	0.259386	1.29E-08	0.083773	0.0705	0.011245	0.80849	-0.00833
-0.05216	0.26065	0.142791	0.00198	0.246407	6.89E-08	0.343228	2.34E-14	0.229537
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0.030592	0.50959	-0.00554	0.90494	-0.10104	0.02901	-0.26653	4.90E-09	-0.12543
0.323534	7.69E-13	0.161184	0.00047	0.095199	0.03974	-0.05461	0.23886	0.047415
-0.34028	4.01E-14	-0.22969	5.23E-07	-0.20081	1.23E-05	0.008771	0.85006	-0.23558
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-0.19037	3.46E-05	-0.10821	0.01933	-0.14731	0.00141	-0.03228	0.48645	-0.09955
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-0.17704	0.00012	-0.12678	0.00608	0.024837	0.59239	0.094821	0.04054	-0.02209
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0.024829	0.59251	-0.01672	0.71854	0.200103	1.32E-05	0.174334	0.00015	0.178201
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-0.02577	0.57853	-0.23775	2.01E-07	0.110812	0.01659	0.05343	0.24918	0.049711
-0.20559	7.51E-06	-0.34383	2.10E-14	0.036114	0.43622	-0.11301	0.01454	0.039573
0.235267	2.71E-07	0.077499	0.09437	0.005196	0.91084	-0.06033	0.19315	0.02656
-0.17777	0.00011	-0.00458	0.92143	0.004516	0.92246	0.152409	0.00095	0.042712
0.078678	0.08945	0.024991	0.5901	0.255225	2.22E-08	0.228614	5.93E-07	0.174269
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0.347149	1.13E-14	0.242628	1.10E-07	0.202615	1.02E-05	0.067088	0.14775	0.169741
0.005443	0.90661	0.021851	0.63764	0.236079	2.45E-07	0.182796	7.09E-05	0.258546
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0.040701	0.38018	0.053385	0.24957	0.203792	9.04E-06	0.229458	5.38E-07	0.223466
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-0.25625	1.95E-08	-0.15811	0.00061	-0.15014	0.00114	-0.14637	0.00152	-0.09296
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0.187449	4.58E-05	0.069541	0.13346	-0.08522	0.06576	-0.11455	0.01325	-0.02704
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-0.05119	0.26959	-0.02704	0.55991	0.137779	0.00285	0.049189	0.28879	0.101108
-0.3732	7.01E-17	-0.30204	2.63E-11	-0.22516	8.84E-07	-0.09875	0.03288	-0.25312
-0.09886	0.03269	-0.06647	0.1515	0.038427	0.40739	0.115833	0.01225	0.018328
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-0.17728	0.00012	-0.13021	0.00483	0.059196	0.20163	0.187512	4.55E-05	-0.02477
0.204603	8.32E-06	0.278824	8.72E-10	0.06773	0.1439	-0.00419	0.92798	0.01209
0.079188	0.08739	-0.06333	0.17183	0.36097	8.09E-16	0.271704	2.39E-09	0.162039
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-0.09147	0.0482	-0.25341	2.82E-08	-0.35787	1.48E-15	-0.43223	1.11E-22	-0.28788
0.031012	0.50379	-0.26491	6.11E-09	-0.1991	1.46E-05	-0.39728	4.16E-19	-0.20047
-0.22133	1.36E-06	-0.18997	3.60E-05	-0.08008	0.08388	0.05977	0.19729	-0.08119
0.104815	0.0235	-0.06876	0.13791	-0.09023	0.05135	-0.22921	5.53E-07	-0.02143
0.029971	0.51822	0.057999	0.21091	-0.31516	3.15E-12	-0.31727	2.22E-12	-0.2115
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-0.03559	0.44294	-0.18995	3.60E-05	0.164604	0.00035	0.066454	0.15163	0.132723
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-0.09046	0.05075	-0.07537	0.10378	0.138226	0.00276	0.130725	0.00466	0.114288
-0.18586	5.32E-05	-0.15321	0.00089	0.107502	0.02014	0.136677	0.00308	0.083448
-0.18657	4.98E-05	-0.08702	0.06025	-0.13874	0.00266	-0.06241	0.17815	-0.0969
-0.01492	0.7478	-0.18762	4.50E-05	-0.11379	0.01388	-0.2516	3.56E-08	-0.14532
-0.35206	4.50E-15	-0.30333	2.14E-11	-0.0896	0.05299	-0.07386	0.11094	-0.11634
0.089421	0.05347	0.074614	0.10732	0.33005	2.49E-13	0.357706	1.53E-15	0.251502

0.128835	0.0053	0.123056	0.00776	0.015639	0.73607	-0.07654	0.09852	0.034729
-0.08751	0.05881	-0.00078	0.9865	0.007549	0.87076	0.090204	0.05141	-0.02557
-0.05582	0.22857	-0.04455	0.33672	0.190133	3.54E-05	0.153158	0.0009	0.192617
0.162223	0.00043	0.216693	2.28E-06	0.404098	9.01E-20	0.404575	8.09E-20	0.323304
-0.07542	0.10359	-0.03281	0.47941	0.112885	0.01466	0.17687	0.00012	0.079302
0.212646	3.55E-06	0.101242	0.0287	-0.01125	0.8084	-0.12837	0.00547	-0.01598
-0.18404	6.32E-05	-0.12924	0.00515	-0.11658	0.0117	-0.03845	0.40709	-0.10855
-0.13502	0.00346	-0.0579	0.21172	0.095208	0.03972	0.212769	3.50E-06	0.045906
0.071699	0.1218	-0.02507	0.5889	0.257015	1.76E-08	0.303836	1.98E-11	0.185316
0.177345	0.00012	0.02947	0.52524	-0.05661	0.22206	-0.15083	0.00108	-0.03334
-0.1201	0.00938	-0.09669	0.03673	-0.06956	0.13337	-0.01721	0.71074	-0.06262
-0.01794	0.69898	0.058422	0.20759	0.194174	2.39E-05	0.167558	0.00028	0.24097
-0.2267	7.40E-07	-0.13629	0.00317	-0.04286	0.35544	-0.01087	0.81472	-0.01145
-0.02328	0.61575	-0.05921	0.20155	0.067212	0.147	0.069827	0.13187	-0.01319
-0.06132	0.18592	0.068359	0.14021	0.120309	0.00926	0.12282	0.00788	0.23342
-0.02192	0.63666	0.047456	0.30614	-0.20305	9.76E-06	-0.11069	0.01671	-0.1271
-0.06574	0.15609	-0.13821	0.00276	0.020607	0.65691	0.008357	0.85706	0.039545
-0.24254	1.12E-07	-0.17889	0.0001	0.061399	0.18532	0.146249	0.00153	-0.00622
-0.03527	0.44704	-0.17005	0.00022	0.121724	0.00846	0.044457	0.33775	0.142857
-0.24328	1.02E-07	-0.15208	0.00098	-0.1352	0.00342	-0.0263	0.57074	-0.09438
-0.03788	0.41406	0.070968	0.12566	0.094134	0.04202	0.200577	1.26E-05	0.088576
-0.24229	1.15E-07	-0.17771	0.00011	0.045716	0.32423	0.038085	0.41158	0.06168
0.126102	0.00636	0.116734	0.01159	0.367754	2.11E-16	0.484392	7.57E-29	0.236779
0.109578	0.01785	-0.02005	0.66555	0.205669	7.44E-06	0.168589	0.00025	0.117938
-0.02817	0.54368	0.057209	0.2172	0.259315	1.30E-08	0.284094	4.05E-10	0.21791
-0.36508	3.60E-16	-0.27259	2.12E-09	-0.22579	8.22E-07	-0.04218	0.36315	-0.26845
-0.00488	0.91621	0.179018	0.0001	0.260975	1.04E-08	0.507375	6.41E-32	0.155393
-0.17567	0.00014	-0.17316	0.00017	-0.02471	0.59428	0.005678	0.9026	-0.03526
-0.31538	3.04E-12	-0.28085	6.51E-10	-0.11195	0.0155	0.003067	0.9473	-0.17625
-0.13924	0.00256	0.011704	0.80085	-0.13665	0.00309	0.060889	0.18901	-0.14731
-0.11604	0.0121	0.004453	0.92354	0.160036	0.00052	0.115399	0.01258	0.157008
0.012665	0.78487	-0.00561	0.90379	0.134246	0.00366	0.168768	0.00025	0.050867
-0.07406	0.10996	-0.12381	0.00739	-0.24763	5.91E-08	-0.25148	3.61E-08	-0.25059
0.019028	0.68171	0.084307	0.06872	-0.2248	9.20E-07	-0.16083	0.00048	-0.11837
-0.02867	0.53652	-0.0076	0.86992	0.080135	0.08365	0.256097	1.98E-08	0.025809
0.319459	1.54E-12	0.096434	0.03723	-0.08839	0.0563	-0.073	0.11514	-0.09936
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-0.27088	2.69E-09	-0.1668	0.00029	-0.146	0.00156	0.020734	0.65494	-0.14322
-0.37899	2.12E-17	-0.35198	4.57E-15	-0.31967	1.48E-12	-0.19697	1.81E-05	-0.31056
-0.24718	6.25E-08	-0.15458	0.0008	0.095487	0.03914	0.213774	3.14E-06	0.031251
-0.23253	3.75E-07	-0.12875	0.00533	-0.17798	0.00011	-0.09013	0.05161	-0.18895
-0.20998	4.73E-06	-0.07438	0.10842	0.00119	0.97954	0.079761	0.08511	-0.04203
-0.12164	0.0085	-0.06076	0.18998	-0.12483	0.00691	0.003427	0.94113	-0.08791
0.367255	2.33E-16	0.456347	2.12E-25	0.367417	2.26E-16	0.338435	5.60E-14	0.292991
0.032824	0.47918	0.040605	0.3813	0.095238	0.03966	0.135248	0.00341	0.044218



-0.08931	0.05377	0.113681	0.01397	0.110388	0.01701	0.24857	5.24E-08	0.074225
0.050612	0.27505	0.014582	0.75329	0.013214	0.7758	0.114616	0.0132	0.038761
-0.19872	1.52E-05	-0.17176	0.00019	0.025045	0.58929	0.107828	0.01977	-0.00545
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-0.11793	0.01075	-0.0047	0.91924	0.148809	0.00126	0.202251	1.06E-05	0.163386
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-0.25574	2.08E-08	-0.17792	0.00011	-0.18541	5.56E-05	-0.03366	0.46806	-0.15111
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-0.11666	0.01164	-0.03853	0.40614	0.1621	0.00044	0.221207	1.38E-06	0.153007
-0.23678	2.26E-07	-0.17484	0.00015	0.033038	0.47631	0.142607	0.00201	0.034781
-0.14604	0.00155	-0.1367	0.00308	-0.09937	0.0318	-0.00684	0.88287	-0.09007
-0.0423	0.36174	-0.23136	4.30E-07	0.181139	8.27E-05	0.163677	0.00038	0.062891
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0.298862	4.33E-11	0.425854	5.37E-22	0.303114	2.22E-11	0.336494	7.95E-14	0.283393
0.057875	0.21189	-0.01663	0.72002	0.139477	0.00252	0.055698	0.22962	0.20603
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-0.05862	0.20609	-0.20552	7.56E-06	-0.02071	0.65538	-0.10403	0.02457	-0.08273
0.413402	1.05E-20	0.353144	3.66E-15	0.308288	9.70E-12	0.26171	9.42E-09	0.223443
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-0.17738	0.00012	-0.08698	0.06036	0.001495	0.97429	0.016344	0.72464	0.021413
-0.21839	1.89E-06	-0.23008	5.00E-07	-0.06785	0.14316	0.086666	0.06129	-0.10351
0.272738	2.07E-09	0.334536	1.13E-13	0.081807	0.07738	0.1494	0.0012	0.05677
-0.20776	5.98E-06	-0.11915	0.00996	-0.00931	0.84095	0.139213	0.00257	-0.08913
0.128952	0.00526	0.208828	5.34E-06	0.074557	0.10759	-0.04639	0.31712	0.111655
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0.09579	0.03852	-0.0208	0.65385	0.16912	0.00024	0.24687	6.50E-08	0.097688
0.036528	0.43098	0.138768	0.00265	0.160634	0.00049	0.264991	6.05E-09	0.143319
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0.009917	0.83075	-0.0946	0.04101	-0.19444	2.33E-05	-0.2292	5.54E-07	-0.15758
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-0.05548	0.23145	-0.00344	0.94098	0.315989	2.75E-12	0.322988	8.44E-13	0.271129
-0.1441	0.0018	-0.0702	0.12984	-0.02478	0.59317	0.054564	0.23926	-0.059
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-0.15999	0.00052	-0.12591	0.00644	-0.07198	0.12036	-0.04606	0.32059	-0.03157
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0.033054	0.47611	0.106593	0.02123	0.368381	1.86E-16	0.418095	3.48E-21	0.212667
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0.103685	0.02505	0.162927	0.00041	0.003206	0.94491	0.006011	0.89693	0.082436
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0.105426	0.0227	0.132714	0.00407	0.173821	0.00016	0.243357	1.01E-07	0.131912
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0.05661	0.22207	0.133348	0.00389	0.070203	0.1298	0.222948	1.14E-06	-0.02162
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-0.1032	0.02574	-0.0905	0.05064	0.100121	0.03052	0.116093	0.01205	0.08837
0.061493	0.18465	0.013443	0.77202	0.190859	3.30E-05	0.215934	2.48E-06	0.17315
-0.19849	1.55E-05	-0.07211	0.11966	-0.00263	0.95472	0.132133	0.00423	0.019512
-0.26523	5.86E-09	-0.23575	2.55E-07	0.116203	0.01197	0.184682	5.95E-05	0.016371
-0.00309	0.94684	-0.11402	0.01369	0.106504	0.02134	0.18207	7.58E-05	0.148149
-0.29876	4.39E-11	-0.19367	2.51E-05	-0.21538	2.64E-06	-0.1376	0.00288	-0.19222
-0.30592	1.42E-11	-0.37278	7.64E-17	-0.15721	0.00065	-0.15218	0.00097	-0.19598
0.002034	0.96503	-0.0115	0.80417	0.333467	1.36E-13	0.40019	2.18E-19	0.293648
-0.15596	0.00072	-0.0677	0.14409	0.062014	0.18095	0.170046	0.00022	0.044484
-0.1228	0.00789	-0.16804	0.00026	0.284285	3.94E-10	0.167128	0.00029	0.239045
-0.15777	0.00062	-0.15933	0.00055	0.073894	0.11076	0.116044	0.01209	-0.00181
-0.17976	9.38E-05	-0.13768	0.00287	-0.06247	0.17773	0.004998	0.91422	-0.05839
-0.02586	0.57717	-0.04049	0.38272	0.136175	0.00319	0.245459	7.76E-08	0.051999
-0.34477	1.76E-14	-0.26774	4.15E-09	-0.13195	0.00429	-0.00204	0.96501	-0.16352
-0.12961	0.00503	-0.20893	5.28E-06	0.064045	0.16705	0.094683	0.04083	0.016352
-0.12302	0.00778	-0.25156	3.58E-08	-0.00624	0.89303	0.008709	0.85111	-0.02173
-0.10627	0.02162	-0.15556	0.00074	-0.02218	0.63266	0.122616	0.00799	-0.1054
0.025025	0.58959	0.051829	0.26366	-0.22352	1.06E-06	-0.21475	2.82E-06	-0.16357
-0.17406	0.00016	-0.23865	1.80E-07	0.035873	0.43929	0.069146	0.13569	0.02068
-0.17777	0.00011	-0.10985	0.01756	-0.00528	0.9094	0.087487	0.05887	-0.04276
-0.13926	0.00256	-0.25535	2.19E-08	-0.14284	0.00197	-0.04703	0.31056	-0.24152

-0.21308	3.39E-06	-0.28222	5.32E-10	0.086088	0.06305	0.038181	0.4104	-0.02712
-0.21873	1.82E-06	-0.34027	4.02E-14	-0.13866	0.00267	-0.09427	0.04172	-0.1817
-0.16665	0.0003	-0.11123	0.01619	0.087422	0.05906	0.171373	0.0002	0.034466
0.017748	0.70206	-0.01394	0.76376	-0.09071	0.0501	0.022522	0.62735	0.028721
-0.20704	6.45E-06	-0.14302	0.00195	-0.09577	0.03857	-0.00391	0.93289	-0.06347
-0.16199	0.00044	-0.11038	0.01702	0.063184	0.17284	0.157634	0.00063	0.010435
0.021051	0.65002	0.002067	0.96447	0.357938	1.46E-15	0.407048	4.60E-20	0.178737
-0.24445	8.80E-08	-0.25924	1.31E-08	0.087178	0.05977	0.024737	0.59388	0.058924
-0.24564	7.58E-08	-0.18366	6.54E-05	-0.00582	0.90015	0.09956	0.03147	-0.03553
-0.07867	0.08948	-0.01287	0.78146	0.110414	0.01699	0.176629	0.00012	0.07088
-0.08766	0.05837	-0.06407	0.16687	0.236152	2.43E-07	0.281948	5.54E-10	0.134843
-0.19126	3.18E-05	-0.17016	0.00022	0.079287	0.08699	0.11076	0.01664	0.026628
-0.00209	0.964	-0.02658	0.56665	0.277662	1.03E-09	0.324386	6.65E-13	0.170525
-0.19688	1.82E-05	-0.12883	0.0053	0.105481	0.02262	0.137933	0.00282	0.053681
-0.15155	0.00102	-0.06601	0.15437	-0.04284	0.35559	-0.00048	0.99171	0.00564
-0.13685	0.00304	-0.04741	0.30657	0.010641	0.81861	0.035018	0.45028	0.031697
0.080494	0.08227	-0.14699	0.00145	0.213493	3.24E-06	0.090694	0.05015	0.140907
-0.1099	0.01751	-0.14399	0.00181	0.158905	0.00057	0.196702	1.86E-05	0.068572
-0.12984	0.00495	-0.13514	0.00343	0.09308	0.04438	0.147399	0.0014	-0.00373
-0.22939	5.42E-07	-0.0941	0.04209	0.00253	0.95652	0.158706	0.00058	-0.03807
0.108579	0.01892	0.128632	0.00537	-0.05952	0.19919	-0.12222	0.00819	-0.05359
0.415265	6.81E-21	0.462829	3.61E-26	0.186003	5.25E-05	0.15339	0.00088	0.163506
0.205353	7.69E-06	0.125863	0.00646	0.02192	0.63659	-0.07962	0.08568	0.039343
0.079783	0.08502	0.085144	0.06601	0.233632	3.29E-07	0.216953	2.22E-06	0.190048
-0.13312	0.00395	-0.14838	0.0013	0.009343	0.84041	0.056093	0.22633	-0.00057
-0.22331	1.09E-06	-0.36271	5.75E-16	0.030953	0.5046	-0.08096	0.08053	-0.02819
0.043718	0.34584	-0.00566	0.90292	0.221079	1.40E-06	0.147578	0.00138	0.235225
0.065473	0.15777	0.008276	0.85844	0.185252	5.64E-05	0.167059	0.00029	0.171907
-0.28047	6.87E-10	-0.17565	0.00014	0.060375	0.19278	0.174082	0.00016	-0.02361
0.109917	0.01749	0.050144	0.27952	0.193402	2.58E-05	0.28828	2.18E-10	0.085495
-0.17169	0.00019	-0.13113	0.00453	0.185768	5.37E-05	0.189196	3.87E-05	0.115215
0.064329	0.16518	0.072812	0.1161	-0.09099	0.04941	-0.14774	0.00137	-0.14068
-0.21951	1.67E-06	-0.05862	0.20603	-0.14128	0.00221	0.042646	0.35781	-0.11096
-0.26891	3.53E-09	-0.21657	2.32E-06	-0.06326	0.17232	-0.00164	0.97175	-0.04339
0.159485	0.00054	0.088912	0.05485	0.013833	0.76559	-0.0228	0.62305	0.016596
-0.26347	7.44E-09	-0.13451	0.00359	-0.12425	0.00718	0.014943	0.7474	-0.1437
0.00111	0.98091	-0.09333	0.04381	0.260426	1.12E-08	0.284748	3.68E-10	0.115576
-0.14947	0.0012	-0.09407	0.04215	0.129587	0.00504	0.124686	0.00698	0.072321
-0.16992	0.00023	-0.11787	0.0108	0.045256	0.32913	0.147094	0.00143	-0.0021
-0.35538	2.39E-15	-0.3289	3.04E-13	-0.18769	4.48E-05	-0.09441	0.04143	-0.19554
-0.08883	0.05507	-0.16636	0.00031	0.216884	2.24E-06	0.092101	0.04668	0.221781
-0.23964	1.59E-07	-0.17693	0.00012	-0.10812	0.01944	0.010492	0.8211	-0.05837
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-0.0372	0.42253	-0.23896	1.73E-07	-0.00803	0.86258	-0.01367	0.76827	-0.09374
-0.0388	0.40286	-0.10536	0.02278	0.253095	2.93E-08	0.242547	1.12E-07	0.185942
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-0.11153	0.0159	-0.02148	0.64331	0.077632	0.0938	0.080218	0.08333	0.077818
-0.00333	0.94284	0.066167	0.1534	0.254635	2.40E-08	0.328085	3.51E-13	0.193947
-0.25243	3.20E-08	-0.12333	0.00762	-0.07065	0.12735	0.049621	0.28457	-0.10692
0.016704	0.71881	-0.05866	0.20575	0.158134	0.0006	0.157464	0.00064	0.157296
0.307908	1.03E-11	0.12075	0.009	0.099956	0.0308	-0.15059	0.0011	0.05614
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-0.27908	8.40E-10	-0.18677	4.88E-05	-0.0631	0.17339	0.076458	0.09889	-0.10465
-0.15257	0.00094	-0.1452	0.00166	0.180662	8.64E-05	0.185248	5.64E-05	0.064938
-0.05923	0.20139	-0.14166	0.00215	0.136717	0.00307	0.086934	0.06049	0.093854
-0.10559	0.02248	-0.1892	3.87E-05	-0.03446	0.45756	0.025646	0.58039	-0.05835
-0.13473	0.00353	-0.06961	0.1331	-0.03369	0.46761	-0.04423	0.34022	-0.00548
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-0.19972	1.37E-05	-0.13488	0.0035	-0.05854	0.20668	-0.05827	0.2088	0.028198
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0.367277	2.32E-16	0.10724	0.02045	0.399254	2.68E-19	0.081343	0.07908	0.352925
0.034467	0.45745	0.186563	4.98E-05	0.324109	6.97E-13	0.474922	1.20E-27	0.173686
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-0.00833	0.85754	-0.16643	0.0003	-0.29689	5.87E-11	-0.35082	5.69E-15	-0.26433
-0.23568	2.57E-07	-0.25031	4.20E-08	0.020445	0.65944	0.079514	0.08608	-0.07061
-0.03335	0.47214	0.000895	0.98461	0.299764	3.76E-11	0.198318	1.58E-05	0.156359
-0.14051	0.00234	0.030877	0.50565	0.180802	8.53E-05	0.207168	6.36E-06	0.188051
-0.24642	6.88E-08	-0.15489	0.00078	0.032814	0.47931	0.119501	0.00974	0.017834
-0.02635	0.5701	-0.02072	0.6551	0.068757	0.13791	0.093902	0.04253	0.045111
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-0.19441	2.33E-05	-0.18101	8.36E-05	-0.18106	8.33E-05	-0.08848	0.05603	-0.07032
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0.197403	1.73E-05	0.133992	0.00372	-0.10098	0.02911	-0.13268	0.00408	-0.11508
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-0.21393	3.09E-06	-0.1504	0.00111	0.140482	0.00234	0.202297	1.06E-05	0.055904
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-0.21344	3.26E-06	-0.18106	8.33E-05	-0.19309	2.66E-05	0.015527	0.73788	-0.24316
-0.1833	6.77E-05	-0.10505	0.02319	0.018934	0.6832	0.100277	0.03026	0.028734
-0.32048	1.29E-12	-0.21282	3.49E-06	-0.22298	1.13E-06	-0.16582	0.00032	-0.1871
-0.12326	0.00766	-0.22601	8.02E-07	-0.06556	0.15721	-0.05658	0.22229	-0.04952
0.32025	1.34E-12	0.243805	9.54E-08	-0.02631	0.5706	0.028774	0.53507	0.050321
0.545475	1.47E-37	0.344796	1.75E-14	0.103403	0.02545	0.144154	0.00179	0.097742
-0.06323	0.17253	-0.07947	0.08624	0.012276	0.79133	-0.01098	0.81285	0.133311
-0.10777	0.01983	-0.19042	3.44E-05	0.136903	0.00303	0.12712	0.00594	0.031999
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0.021704	0.6399	0.157992	0.00061	0.264095	6.83E-09	0.288386	2.14E-10	0.249331
0.007234	0.87611	-0.02665	0.56566	0.378799	2.21E-17	0.334976	1.04E-13	0.236052
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-0.31193	5.36E-12	-0.21637	2.37E-06	-0.10455	0.02386	-0.00079	0.98647	-0.16048
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-0.46381	2.75E-26	-0.22889	5.75E-07	-0.42425	7.93E-22	-0.20379	9.05E-06	-0.39397
0.168867	0.00025	0.286566	2.81E-10	0.118978	0.01007	-0.03	0.51786	0.098817
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0.162089	0.00044	-0.03819	0.4103	-0.20457	8.35E-06	-0.31189	5.40E-12	-0.13179
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0.090253	0.05128	0.056491	0.22304	0.338158	5.89E-14	0.317823	2.02E-12	0.256642
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0.156992	0.00066	0.177929	0.00011	-0.01439	0.75651	-0.06484	0.16183	0.019772
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0.088858	0.055	0.106803	0.02097	0.102334	0.02701	-0.05318	0.25136	0.050968
-0.39423	8.15E-19	-0.27931	8.13E-10	-0.26447	6.49E-09	-0.06977	0.1322	-0.23568
0.194139	2.40E-05	0.0545	0.2398	-0.11517	0.01276	-0.14043	0.00235	-0.13095
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0.037571	0.41792	-0.07898	0.08823	0.260731	1.07E-08	0.282605	5.04E-10	0.179974
0.207269	6.29E-06	0.190379	3.46E-05	0.126594	0.00615	0.089725	0.05266	0.17453
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0.234755	2.88E-07	0.075133	0.1049	-0.17052	0.00021	-0.20938	5.04E-06	-0.09122
0.02076	0.65453	0.029849	0.51993	0.121101	0.0088	0.073094	0.11469	0.269102
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0.105118	0.0231	0.056655	0.2217	0.218732	1.82E-06	0.261955	9.12E-09	0.203535
0.022088	0.634	-0.16744	0.00028	0.099962	0.03079	0.083309	0.07208	0.03879
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-0.20335	9.46E-06	-0.18752	4.55E-05	0.032745	0.48025	0.105886	0.02211	0.011355
-0.17152	0.0002	-0.12002	0.00943	-0.08083	0.08101	0.001097	0.98114	-0.05905
-0.02368	0.60978	-0.08128	0.07931	0.036767	0.42796	0.069319	0.13471	0.061509
-0.05218	0.26048	-0.09642	0.03727	0.217559	2.08E-06	0.291918	1.26E-10	0.085918
-0.2136	3.20E-06	-0.09888	0.03266	-0.10578	0.02225	0.005555	0.9047	-0.06697
-0.0969	0.03632	-0.15733	0.00064	0.028482	0.53923	0.061658	0.18348	-0.06345

0.023332	0.61502	-0.07438	0.10844	0.138974	0.00261	-0.00208	0.9642	0.189413
0.003291	0.94345	0.181737	7.82E-05	0.038092	0.41149	0.302289	2.53E-11	0.086049
-0.10701	0.02073	-0.0672	0.14705	0.123396	0.00759	0.166567	0.0003	0.060684
-0.14839	0.0013	-0.19518	2.16E-05	-0.10499	0.02326	-0.12114	0.00878	-0.09268
-0.00303	0.94799	0.029923	0.51889	0.205305	7.73E-06	0.220782	1.45E-06	0.20906
-0.22652	7.56E-07	-0.27795	9.89E-10	-0.03197	0.49071	-0.06209	0.18039	-0.05481
-0.20024	1.30E-05	-0.11326	0.01433	0.075079	0.10514	0.177188	0.00012	0.032887
-0.24994	4.40E-08	-0.18424	6.20E-05	-0.01095	0.81349	0.049023	0.29043	0.002643
-0.04841	0.29651	0.057968	0.21115	0.243379	1.01E-07	0.288592	2.08E-10	0.145662
-0.03168	0.49463	0.191188	3.20E-05	-0.16642	0.0003	-0.073	0.11515	-0.10751
0.005888	0.89902	-0.13224	0.0042	-0.02155	0.64227	0.071069	0.12512	-0.11921
0.210903	4.28E-06	0.081019	0.08029	0.096028	0.03804	-0.03976	0.39129	0.041013
-0.07189	0.12078	0.020095	0.66491	0.022849	0.62236	0.123241	0.00767	0.061888
-0.08706	0.06012	-0.15867	0.00058	0.232033	3.97E-07	0.144362	0.00176	0.171605
-0.22044	1.51E-06	-0.18959	3.73E-05	0.015939	0.73119	0.132019	0.00427	-0.02469
-0.3199	1.43E-12	-0.2938	9.45E-11	-0.12945	0.00508	-0.0785	0.09018	-0.13471
-0.21661	2.31E-06	-0.13068	0.00468	-0.02125	0.64691	0.134334	0.00363	-0.06619
-0.28498	3.55E-10	-0.29531	7.49E-11	-0.07624	0.09987	0.022852	0.62231	-0.09123
-0.16738	0.00028	0.038284	0.40914	-0.01741	0.70749	0.017632	0.70392	0.086623
-0.12723	0.0059	-0.17373	0.00016	0.076383	0.09922	0.128759	0.00533	0.083747
-0.00795	0.86396	0.040985	0.37686	0.37839	2.41E-17	0.335887	8.86E-14	0.308195
-0.1819	7.70E-05	-0.11862	0.0103	-0.20917	5.15E-06	-0.10004	0.03065	-0.16592
-0.22578	8.23E-07	-0.04315	0.35216	-0.04057	0.38171	0.103238	0.02568	-0.06553
-0.16952	0.00023	-0.08296	0.07327	0.088312	0.05651	0.103909	0.02473	0.046697
-0.18713	4.72E-05	-0.11687	0.01149	0.04005	0.38786	0.172555	0.00018	-0.00819
0.045544	0.32606	0.032503	0.48349	0.236371	2.37E-07	0.263602	7.30E-09	0.212258
-0.21079	4.33E-06	-0.09738	0.03541	0.151313	0.00104	0.240835	1.38E-07	0.097053
-0.22626	7.79E-07	-0.14444	0.00175	0.065755	0.15599	0.185388	5.57E-05	0.007251
-0.25409	2.58E-08	-0.18889	3.99E-05	-0.01812	0.69615	0.10993	0.01748	-0.05925
-0.26539	5.73E-09	-0.04029	0.38497	-0.15304	0.00091	-0.0239	0.60645	-0.13943
-0.20863	5.45E-06	-0.19573	2.05E-05	0.023619	0.61067	0.142499	0.00202	-0.03152
-0.11859	0.01032	-0.15561	0.00074	0.030509	0.51073	0.058123	0.20994	-0.0429
-0.10628	0.02162	-0.02979	0.52076	0.03712	0.42354	0.188332	4.21E-05	0.015216
-0.12078	0.00898	-0.06167	0.18337	0.112862	0.01468	0.18686	4.84E-05	0.065692
-0.18909	3.91E-05	-0.17545	0.00014	0.135269	0.0034	0.16053	0.0005	0.063279
0.067166	0.14728	0.157127	0.00066	0.330095	2.47E-13	0.456068	2.29E-25	0.216333
0.503856	1.96E-31	0.143036	0.00194	-0.13068	0.00468	-0.1972	1.77E-05	-0.08151
-0.23405	3.13E-07	-0.31781	2.02E-12	0.0377	0.41633	-0.12478	0.00694	-0.00166
-0.30531	1.56E-11	-0.24727	6.18E-08	-0.06205	0.18071	-0.01729	0.70947	-0.06888
-0.23088	4.55E-07	-0.1633	0.0004	0.055198	0.23383	0.146506	0.0015	-0.00515
-0.07854	0.09001	-0.14542	0.00163	0.070981	0.12559	-0.04321	0.35147	0.11956
-0.09029	0.05119	-0.01854	0.68938	0.083645	0.07093	0.122189	0.00821	0.022814
-0.01376	0.76675	-0.21721	2.16E-06	-0.00618	0.89399	0.057691	0.21335	-0.19524
-0.14599	0.00156	-0.06984	0.13182	0.14038	0.00236	0.122888	0.00785	0.173831
-0.07691	0.09693	0.073475	0.11281	0.076168	0.10018	0.154456	0.00081	0.078737

-0.13086	0.00462	-0.19511	2.18E-05	0.065295	0.15891	0.107177	0.02053	-0.01163
-0.16244	0.00042	-0.09613	0.03783	0.043869	0.34419	0.122606	0.00799	0.011418
-0.21922	1.73E-06	-0.17866	0.0001	0.083655	0.0709	0.009276	0.84154	0.069745
-0.21629	2.39E-06	-0.31638	2.57E-12	-0.19714	1.78E-05	-0.20689	6.55E-06	-0.16869
-0.10073	0.02952	-0.24055	1.43E-07	0.115311	0.01265	0.049876	0.2821	0.070436
-0.34533	1.59E-14	-0.20305	9.76E-06	-0.13245	0.00414	0.049988	0.28102	-0.16139
-0.26728	4.42E-09	-0.26185	9.25E-09	0.051586	0.26591	0.10259	0.02663	-0.02687
0.018298	0.69329	-0.08951	0.05324	0.357121	1.71E-15	0.285957	3.08E-10	0.269698
-0.06176	0.18277	-0.17069	0.00021	0.260871	1.05E-08	0.197922	1.64E-05	0.151062
0.018365	0.69223	-0.10949	0.01794	0.113416	0.01419	0.168973	0.00024	0.131353
-0.21272	3.52E-06	-0.15543	0.00075	0.040898	0.37788	0.181818	7.76E-05	-0.02462
-0.1777	0.00011	-0.11909	0.01	0.045815	0.32318	0.164975	0.00034	0.002263
0.398449	3.21E-19	0.419296	2.62E-21	0.240237	1.48E-07	0.202951	9.86E-06	0.25924
-0.19157	3.08E-05	-0.11334	0.01426	0.119723	0.00961	0.135678	0.00331	0.140411
-0.02478	0.59323	-0.05529	0.23306	0.211627	3.96E-06	0.203729	9.10E-06	0.187932
-0.04874	0.29323	-0.08617	0.0628	0.263069	7.85E-09	0.273734	1.80E-09	0.164848
-0.15545	0.00075	-0.13506	0.00345	0.049963	0.28126	0.121236	0.00873	0.01931
-0.16445	0.00036	-0.23507	2.77E-07	0.133107	0.00396	0.140885	0.00228	0.045719
-0.08853	0.0559	-0.02651	0.56768	0.331297	2.00E-13	0.228661	5.90E-07	0.249093
-0.27891	8.61E-10	-0.15489	0.00078	-0.27735	1.08E-09	-0.20374	9.09E-06	-0.18759
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-0.24165	1.25E-07	-0.09752	0.03513	-0.10867	0.01882	-0.0442	0.3406	0.007663
-0.14494	0.00169	-0.29816	4.82E-11	0.238707	1.79E-07	0.152033	0.00098	0.089356
-0.02043	0.65963	0.003729	0.93594	0.156118	0.00071	0.177437	0.00012	0.133604
-0.08326	0.07226	-0.0691	0.13594	0.148073	0.00133	0.159115	0.00056	0.112077
0.086853	0.06074	-0.00316	0.94576	0.199126	1.46E-05	0.082826	0.07375	0.197602
-0.02136	0.64522	-0.13939	0.00254	0.206223	7.02E-06	0.089304	0.05378	0.138646
0.026585	0.5666	-0.04555	0.32601	0.130571	0.00471	0.143032	0.00194	0.083152
-0.04263	0.35798	-0.09218	0.04648	-0.04209	0.36417	0.021306	0.64606	0.020866
0.021966	0.63588	0.020413	0.65995	0.144375	0.00176	0.169188	0.00024	0.121174
-0.01139	0.80607	0.044148	0.34112	-0.17788	0.00011	-0.16874	0.00025	-0.12698
-0.16056	0.0005	-0.15968	0.00053	-0.00369	0.93665	0.074632	0.10724	-0.04285
-0.04149	0.37097	-0.09041	0.05088	0.001321	0.97728	-0.06093	0.18868	0.02457
0.064927	0.16127	-0.04884	0.2922	-0.1573	0.00065	-0.1712	0.0002	-0.17321
0.080248	0.08322	0.065322	0.15874	-0.15653	0.00069	-0.25545	2.16E-08	-0.1928
-0.11373	0.01392	-0.11685	0.0115	0.102762	0.02638	0.183201	6.83E-05	0.093266
-0.14248	0.00202	-0.12558	0.00658	0.069362	0.13447	0.133629	0.00382	0.037442
-0.25654	1.87E-08	-0.2285	6.01E-07	-0.21172	3.92E-06	-0.05018	0.27915	-0.19243
-0.15363	0.00087	-0.159	0.00056	0.081786	0.07746	0.076012	0.10088	0.104116
-0.17251	0.00018	-0.06018	0.1942	0.065471	0.15778	0.176425	0.00013	0.026886
-0.06483	0.16191	-0.12346	0.00756	0.151375	0.00103	0.111401	0.01602	0.117791
-0.11093	0.01647	-0.09311	0.04432	0.136704	0.00307	0.142386	0.00204	0.154733
-0.1425	0.00202	-0.13635	0.00315	-0.0785	0.09019	-0.02969	0.5222	-0.07243
-0.0465	0.31604	-0.04682	0.31266	0.042148	0.36347	0.071284	0.12398	-0.01868
0.019688	0.6713	-0.03518	0.44822	-0.07784	0.09291	-0.10537	0.02277	-0.13529



-0.24763	5.91E-08	-0.21791	2.00E-06	0.012054	0.79501	0.047182	0.30894	-0.04835
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0.014211	0.75938	0.019362	0.67644	-0.27324	1.93E-09	-0.30122	2.99E-11	-0.23003
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-0.19137	3.14E-05	-0.15369	0.00086	-0.24048	1.44E-07	-0.13281	0.00404	-0.19606
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-0.29136	1.37E-10	-0.28228	5.28E-10	-0.09762	0.03495	-0.06395	0.16772	-0.13266
-0.16312	0.0004	-0.10732	0.02036	0.114299	0.01345	0.091819	0.04736	0.12069
-0.09972	0.0312	0.010282	0.82462	0.234921	2.82E-07	0.303449	2.10E-11	0.149688
-0.07971	0.08529	-0.01622	0.72662	0.102092	0.02738	0.271218	2.56E-09	-0.0026
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-0.10627	0.02163	-0.12593	0.00643	0.005163	0.9114	0.053826	0.24568	-0.02238
-0.16597	0.00032	-0.12795	0.00562	-0.00227	0.96095	0.06702	0.14816	-0.02383
-0.11972	0.00961	-0.06858	0.13893	-0.01569	0.73523	0.068548	0.13911	-0.04889
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0.0504	0.27707	0.153581	0.00087	-0.0036	0.93818	0.000953	0.98362	-0.05569
0.171642	0.00019	-0.04294	0.35456	-0.04794	0.30123	-0.19854	1.55E-05	-0.10428
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-0.00316	0.94565	-0.08026	0.08316	0.019761	0.67016	-0.00776	0.86725	0.081073
0.000296	0.99491	0.112702	0.01482	0.103242	0.02568	0.353219	3.61E-15	0.016142
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0.291164	1.41E-10	0.077915	0.09261	-0.07891	0.08849	-0.01535	0.74074	-0.06478
0.25217	3.31E-08	0.258519	1.44E-08	0.100217	0.03036	0.066797	0.14952	0.03347
0.116352	0.01186	0.153632	0.00087	0.014954	0.74722	-0.15002	0.00115	-0.0031
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-0.18008	9.11E-05	-0.07894	0.0884	0.021916	0.63664	0.14387	0.00183	0.038519
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0.011152	0.81005	-0.07525	0.10434	0.183867	6.42E-05	0.116076	0.01207	0.149677
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0.087136	0.0599	-0.04068	0.38044	0.228571	5.96E-07	0.150942	0.00107	0.165769
-0.11219	0.01528	-0.13065	0.00469	0.0097	0.8344	0.003052	0.94756	0.047329
0.017072	0.7129	0.105952	0.02202	0.121078	0.00881	0.068044	0.14205	0.215924
-0.12446	0.00708	-0.15318	0.0009	0.035303	0.4466	-0.00457	0.92155	0.016602
-0.22743	6.80E-07	-0.19071	3.35E-05	0.004371	0.92495	0.074836	0.10628	-0.01401

-0.23597	2.49E-07	-0.31564	2.91E-12	-0.0986	0.03315	-0.17524	0.00014	0.001532
-0.22105	1.41E-06	-0.14272	0.00199	-0.05467	0.23833	-0.00656	0.88762	-0.04442
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0.047626	0.30441	0.031573	0.4961	0.338269	5.78E-14	0.373415	6.71E-17	0.222229
0.143721	0.00185	0.136953	0.00302	0.027687	0.55062	-0.05801	0.21081	0.030803
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-0.07947	0.08628	-0.05011	0.27986	0.18277	7.11E-05	0.137878	0.00283	0.109695
-0.11835	0.01047	-0.0781	0.09183	0.145584	0.00161	0.136464	0.00313	0.170874
-0.30725	1.15E-11	-0.28354	4.39E-10	-0.12087	0.00894	-0.02595	0.57592	-0.16222
-0.12493	0.00687	-0.08926	0.0539	0.057529	0.21464	0.136236	0.00318	0.004408
-0.1809	8.45E-05	-0.12343	0.00758	0.009368	0.84	0.058457	0.20732	0.014039
-0.071	0.12546	0.088116	0.05707	0.166652	0.0003	0.253865	2.66E-08	0.10554
-0.3578	1.50E-15	-0.31018	7.14E-12	-0.13275	0.00406	-0.07767	0.09365	-0.23192
-0.0552	0.23383	0.031243	0.50061	0.111887	0.01556	0.156992	0.00066	0.163862
0.059417	0.19995	0.080625	0.08177	-0.17645	0.00013	-0.16546	0.00033	-0.19682
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0.097153	0.03583	0.216467	2.34E-06	0.167724	0.00027	0.430103	1.89E-22	0.097886
-0.20859	5.47E-06	-0.14232	0.00205	0.14683	0.00146	0.215333	2.65E-06	0.086285
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0.06371	0.16929	-0.0281	0.54472	-0.05449	0.23993	-0.20684	6.58E-06	-0.02602
-0.04468	0.33531	-0.28345	4.45E-10	0.104968	0.02329	0.027505	0.55325	-0.01968
-0.41204	1.45E-20	-0.30642	1.31E-11	-0.27543	1.42E-09	-0.1515	0.00102	-0.22063
0.133129	0.00395	0.253557	2.76E-08	0.287279	2.53E-10	0.377083	3.16E-17	0.198919
-0.29422	8.87E-11	-0.14061	0.00232	-0.02148	0.64343	0.169885	0.00023	-0.06174
-0.20093	1.21E-05	-0.11893	0.0101	-0.16463	0.00035	-0.02307	0.61902	-0.11941
-0.16967	0.00023	-0.14628	0.00153	-0.05008	0.28013	-0.01066	0.81827	-0.05827
-0.13494	0.00348	-0.09299	0.04459	0.085727	0.06417	0.108904	0.01857	0.030023
-0.20793	5.87E-06	-0.28574	3.17E-10	-0.19649	1.90E-05	-0.15069	0.00109	-0.14299
-0.1545	0.00081	-0.1775	0.00012	0.035935	0.4385	0.059231	0.20136	-0.02878
0.14078	0.00229	0.170791	0.00021	-0.04974	0.28344	0.01695	0.71487	-0.08869
-0.09248	0.04579	-0.06251	0.17749	0.174125	0.00016	0.190202	3.52E-05	0.144624
-0.07672	0.09776	-0.12599	0.00641	-0.1455	0.00162	-0.17071	0.00021	-0.07199
-0.45393	4.07E-25	-0.40767	3.98E-20	-0.26956	3.23E-09	-0.13142	0.00445	-0.31836
0.356314	2.00E-15	0.238939	1.74E-07	0.253932	2.63E-08	0.165135	0.00034	0.202678
0.050984	0.27154	-0.09044	0.05079	-0.11935	0.00984	-0.21293	3.44E-06	-0.10721
0.274675	1.58E-09	0.14723	0.00142	0.356468	1.94E-15	0.078155	0.0916	0.255299
-0.14776	0.00136	-0.15399	0.00084	0.082863	0.07362	0.171502	0.0002	0.019605
-0.27407	1.72E-09	-0.28912	1.92E-10	-0.13408	0.0037	-0.08092	0.08067	-0.11344
0.367195	2.36E-16	0.30696	1.20E-11	0.331218	2.03E-13	0.269516	3.25E-09	0.220392
-0.09896	0.03252	-0.04275	0.35661	0.089147	0.05421	0.277052	1.12E-09	-0.01834
0.181377	8.09E-05	0.073691	0.11175	-0.06929	0.13489	-0.11861	0.01031	-0.00178
-0.14005	0.00242	-0.01107	0.8114	0.030392	0.51236	0.136455	0.00313	-0.02275
0.113975	0.01372	0.143743	0.00184	0.189327	3.83E-05	0.264632	6.35E-09	0.062391
-0.05901	0.20307	-0.0495	0.2857	0.015916	0.73157	0.116299	0.0119	-0.09933

-0.09334	0.04379	-0.02617	0.5726	0.049178	0.2889	0.059465	0.19958	0.02069
-0.11429	0.01346	-0.01374	0.76717	0.064589	0.16347	0.191786	3.02E-05	0.036671
-0.15015	0.00114	-0.08469	0.06746	0.041895	0.36635	0.134316	0.00364	0.050056
-0.21467	2.85E-06	-0.13361	0.00382	-0.18737	4.61E-05	-0.03634	0.43339	-0.17444
-0.23804	1.94E-07	-0.13703	0.003	-0.25679	1.81E-08	-0.11284	0.01469	-0.22059
0.113758	0.0139	0.002999	0.94846	0.005411	0.90717	-0.14587	0.00157	0.067115
0.097887	0.03445	-0.08997	0.05202	0.117102	0.01132	0.086994	0.06032	0.151434
0.14915	0.00123	0.209921	4.75E-06	0.317465	2.15E-12	0.409686	2.50E-20	0.211342
-0.10609	0.02186	-0.02896	0.53237	0.076799	0.09739	0.19899	1.48E-05	0.03133
-0.08339	0.0718	-0.01976	0.67015	0.110421	0.01698	0.195119	2.17E-05	0.069632
-0.31409	3.76E-12	-0.22672	7.39E-07	-0.19476	2.25E-05	-0.06103	0.18795	-0.20315
-0.27069	2.76E-09	-0.06484	0.16182	-0.15516	0.00077	0.027627	0.55148	-0.14436
-0.17596	0.00013	-0.03067	0.50855	0.018994	0.68224	0.150034	0.00115	-0.0062
-0.20482	8.13E-06	-0.10652	0.02132	-0.03931	0.39665	0.090394	0.05092	-0.05903
-0.26017	1.16E-08	-0.11162	0.01581	-0.15464	0.0008	0.002701	0.95357	-0.04722
-0.26723	4.45E-09	-0.20976	4.84E-06	-0.05366	0.24714	0.081821	0.07733	-0.09834
-0.30638	1.32E-11	-0.2018	1.11E-05	-0.02352	0.6121	0.066085	0.15392	-0.06212
-0.07579	0.10186	-0.18252	7.28E-05	0.013837	0.76552	-0.0639	0.16805	0.002136
-0.13303	0.00398	-0.14325	0.00191	0.015501	0.73831	0.056139	0.22594	0.017658
-0.15458	0.0008	-0.17303	0.00017	0.100102	0.03055	0.128959	0.00525	0.041616
-0.15705	0.00066	-0.10354	0.02525	-0.00076	0.98696	0.090316	0.05112	-0.10567
-0.36321	5.21E-16	-0.22373	1.04E-06	-0.2798	7.57E-10	-0.15224	0.00097	-0.28445
0.066567	0.15093	0.019725	0.67072	-0.0852	0.06584	-0.19167	3.05E-05	-0.11748
-0.19795	1.64E-05	-0.18564	5.44E-05	0.068272	0.14071	0.02108	0.64955	0.09959
-0.29656	6.19E-11	-0.31214	5.18E-12	-0.17636	0.00013	-0.22703	7.13E-07	-0.0765
-0.0359	0.439	-0.1479	0.00135	0.085119	0.06608	0.058955	0.20347	0.025954
-0.37052	1.21E-16	-0.15295	0.00091	-0.30276	2.35E-11	-0.1165	0.01175	-0.24392
-0.13699	0.00301	-0.10116	0.02883	-0.06474	0.16249	-0.00429	0.92629	-0.08183
-0.05542	0.23192	-0.08464	0.06763	0.193754	2.49E-05	0.33835	5.69E-14	0.10402
0.291729	1.29E-10	-0.11392	0.01377	-0.1815	8.00E-05	-0.23254	3.74E-07	-0.18418
0.410397	2.12E-20	0.06453	0.16386	0.073061	0.11485	-0.08028	0.0831	0.093665
-0.17401	0.00016	-0.14392	0.00182	-0.00372	0.93615	0.022745	0.62395	0.036813
0.206629	6.73E-06	-0.09103	0.0493	-0.20663	6.73E-06	-0.31424	3.67E-12	-0.14618
-0.03226	0.48677	0.01322	0.77569	-0.07332	0.11359	0.07103	0.12533	-0.05127
-0.06898	0.13665	0.098892	0.03263	0.118462	0.0104	0.207531	6.12E-06	0.106382
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0.03754	0.41831	-0.05233	0.25909	0.280873	6.48E-10	0.193005	2.68E-05	0.27823
-0.18581	5.35E-05	-0.33742	6.73E-14	-0.07641	0.0991	-0.13859	0.00269	-0.05033
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-0.19732	1.75E-05	-0.28818	2.21E-10	0.145343	0.00164	0.048183	0.29878	0.068986
-0.05631	0.22452	0.015578	0.73706	0.10842	0.0191	0.129261	0.00515	0.147117
-0.14748	0.00139	-0.13812	0.00278	0.044645	0.33571	0.115068	0.01284	-0.01452
0.071391	0.12341	0.277886	9.97E-10	0.277148	1.11E-09	0.473734	1.69E-27	0.139677
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-0.18836	4.20E-05	-0.13425	0.00365	-0.08432	0.06867	-0.03473	0.45396	-0.00368
-0.19306	2.66E-05	-0.14434	0.00176	0.094786	0.04061	0.199652	1.38E-05	0.015685
-0.07811	0.09179	-0.15207	0.00098	0.074189	0.10934	0.037209	0.42242	0.10468
-0.19389	2.45E-05	-0.06873	0.13808	-0.05283	0.25449	0.082538	0.07476	-0.02262
-0.02103	0.65035	-0.1432	0.00192	0.01753	0.70555	-0.0033	0.94329	-0.05119
-0.15097	0.00107	-0.05028	0.27824	0.099248	0.03201	0.221945	1.27E-06	0.050259
0.185139	5.70E-05	-0.20789	5.89E-06	0.084031	0.06964	0.087144	0.05987	0.037892
-0.0559	0.22789	-0.20093	1.21E-05	0.210108	4.66E-06	0.188142	4.29E-05	0.133818
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-0.16143	0.00046	-0.25451	2.44E-08	-0.05691	0.21963	-0.0854	0.0652	-0.04484
-0.14759	0.00138	-0.11536	0.01261	0.080419	0.08256	0.197838	1.66E-05	0.043536
-0.20286	9.95E-06	-0.09404	0.04223	0.030045	0.51719	0.15961	0.00054	-0.03616
-0.08017	0.08351	-0.02872	0.53579	0.224709	9.30E-07	0.33358	1.34E-13	0.141299
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-0.2514	3.65E-08	-0.17111	0.0002	-0.03105	0.50321	0.119295	0.00987	-0.08322
-0.24809	5.57E-08	-0.29897	4.25E-11	0.032874	0.47851	0.037345	0.42074	-0.05122
-0.04488	0.33313	-0.06588	0.1552	0.301286	2.96E-11	0.301622	2.81E-11	0.201847
-0.21648	2.34E-06	-0.19299	2.68E-05	-0.10278	0.02635	-0.03683	0.42722	-0.10345
-0.12988	0.00494	-0.09362	0.04317	0.065737	0.1561	0.068934	0.1369	0.074378
-0.14077	0.0023	-0.14066	0.00231	-0.01355	0.77027	0.036266	0.43429	-0.02742
-0.11428	0.01347	-0.06599	0.15453	-0.02981	0.52042	0.036122	0.43612	-0.03016
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-0.19652	1.89E-05	-0.08663	0.06141	-0.0732	0.11415	0.083281	0.07217	-0.05206
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-0.12667	0.00612	-0.11648	0.01177	0.147994	0.00134	0.150076	0.00114	0.109981
-0.17314	0.00017	-0.24435	8.91E-08	-0.03379	0.46629	0.061443	0.18501	-0.1474
-0.20742	6.20E-06	-0.16665	0.0003	0.032273	0.48659	0.1482	0.00132	-0.05164
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0.01088	0.8146	-0.07641	0.09912	0.063841	0.16841	0.132334	0.00417	-0.02149
0.043884	0.34402	-0.11232	0.01516	0.321754	1.04E-12	0.159152	0.00056	0.216522
-0.05249	0.25757	0.010744	0.81688	0.257542	1.64E-08	0.281656	5.78E-10	0.199331
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0.016194	0.72706	-0.13116	0.00452	0.275755	1.35E-09	0.202302	1.05E-05	0.202517
-0.20495	8.02E-06	-0.12513	0.00678	0.011482	0.80455	0.116349	0.01187	0.012914
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0.069189	0.13544	-0.23531	2.69E-07	-0.00089	0.98471	-0.00152	0.9739	-0.02876
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-0.36996	1.36E-16	-0.26147	9.73E-09	-0.18024	8.97E-05	-0.01135	0.80678	-0.2252
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0.110839	0.01657	-0.08719	0.05975	0.185991	5.26E-05	0.13307	0.00397	0.131294
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-0.07856	0.08995	-0.20197	1.09E-05	0.217137	2.18E-06	0.145782	0.00158	0.050286
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-0.1425	0.00202	-0.07507	0.10519	0.176739	0.00012	0.171498	0.0002	0.112781
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-0.21363	3.19E-06	-0.20337	9.44E-06	-0.01343	0.77215	0.079252	0.08713	-0.03671
-0.2171	2.18E-06	-0.13997	0.00243	0.039954	0.38899	0.166248	0.00031	-0.01413
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-0.08213	0.07623	-0.16545	0.00033	0.028679	0.53643	0.034442	0.45777	-0.01373
-0.22279	1.16E-06	-0.24478	8.45E-08	0.084695	0.06745	0.042424	0.36032	0.06443
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0.178641	0.0001	0.429322	2.29E-22	-0.03969	0.3921	0.119912	0.00949	0.056419
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-0.12965	0.00502	-0.12358	0.0075	-0.05705	0.2185	0.050362	0.27744	-0.08709
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-0.13725	0.00296	-0.02061	0.65688	0.074517	0.10778	0.103855	0.02481	0.10004
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-0.31647	2.53E-12	-0.22173	1.30E-06	-0.14989	0.00116	0.021326	0.64575	-0.16861
-0.17534	0.00014	-0.16898	0.00024	0.111909	0.01554	0.147028	0.00144	0.040876
0.018043	0.69736	-0.07418	0.10939	0.293045	1.06E-10	0.297769	5.13E-11	0.224597
-0.35999	9.80E-16	-0.33377	1.29E-13	-0.36126	7.65E-16	-0.19469	2.27E-05	-0.30269
0.018124	0.69606	-0.04359	0.34723	0.181935	7.68E-05	0.220293	1.53E-06	0.084381
-0.04581	0.32319	-0.0343	0.45967	0.071332	0.12372	0.114738	0.0131	0.089105
0.037929	0.4135	-0.0628	0.17548	0.180844	8.49E-05	0.286029	3.04E-10	0.052749
-0.22977	5.18E-07	-0.08376	0.07056	0.004483	0.92303	0.104317	0.02417	0.004783
-0.28593	3.09E-10	-0.23789	1.97E-07	-0.09022	0.05136	0.043224	0.35133	-0.15206
0.056076	0.22646	0.18454	6.03E-05	0.204041	8.81E-06	0.256455	1.89E-08	0.235211
-0.10206	0.02742	-0.14882	0.00126	0.203726	9.11E-06	0.213079	3.39E-06	0.141241
-0.22294	1.14E-06	-0.16642	0.0003	-0.01529	0.74177	-0.00955	0.83686	-0.02754
0.02106	0.64987	-0.13045	0.00475	0.18924	3.86E-05	0.201171	1.18E-05	0.014883

0.041029	0.37635	-0.09726	0.03562	-0.30255	2.43E-11	-0.39062	1.79E-18	-0.26427
-0.07892	0.08847	-0.05285	0.25435	0.151117	0.00105	0.145594	0.00161	0.105077
-0.0478	0.30265	-0.02526	0.58613	0.168317	0.00026	0.329851	2.58E-13	0.076846
-0.01425	0.75872	-0.14967	0.00118	0.36725	2.34E-16	0.270899	2.68E-09	0.272592
-0.08101	0.08033	0.028712	0.53595	0.205838	7.31E-06	0.226562	7.52E-07	0.229482
-0.03569	0.44158	0.009886	0.83127	0.108722	0.01876	0.135733	0.00329	0.113616
-0.25494	2.31E-08	-0.48895	1.94E-29	-0.04284	0.35558	-0.19954	1.40E-05	-0.07
-0.08926	0.05391	-0.12376	0.00741	0.045931	0.32196	0.194609	2.29E-05	-0.07074
-0.26985	3.10E-09	-0.29255	1.14E-10	-0.11768	0.01092	-0.08886	0.05499	-0.15788
-0.39369	9.19E-19	-0.34652	1.27E-14	-0.28072	6.63E-10	-0.16943	0.00023	-0.2691
-0.11104	0.01637	-0.03715	0.42317	0.260515	1.11E-08	0.300955	3.12E-11	0.213919
-0.03967	0.39243	0.034501	0.45699	0.326276	4.80E-13	0.320508	1.29E-12	0.220027
-0.15722	0.00065	-0.12254	0.00803	0.173201	0.00017	0.157507	0.00064	0.149118
-0.3562	2.04E-15	-0.21794	1.99E-06	-0.10279	0.02633	0.107579	0.02005	-0.13246
-0.12281	0.00789	-0.05784	0.2122	0.052889	0.25401	0.08658	0.06155	0.014086
-0.19963	1.39E-05	-0.11303	0.01453	0.01492	0.74777	0.037902	0.41383	-0.00438
-0.18537	5.58E-05	-0.31664	2.46E-12	-0.02001	0.66631	-0.12412	0.00724	-0.03234
-0.36117	7.78E-16	-0.3702	1.29E-16	-0.21529	2.66E-06	-0.10919	0.01826	-0.23822
-0.16325	0.0004	-0.06514	0.15989	-0.0737	0.11171	0.098248	0.03379	-0.10318
-0.07708	0.09618	0.035927	0.4386	0.081722	0.07769	0.107003	0.02073	0.081055
0.070183	0.12991	0.186366	5.07E-05	-0.12796	0.00562	-0.13558	0.00333	-0.07723
-0.0832	0.07246	0.059017	0.203	0.07323	0.11402	0.208584	5.48E-06	0.078672
-0.01716	0.7115	0.119144	0.00997	0.131539	0.00441	0.170157	0.00022	0.088131
-0.2081	5.77E-06	-0.14515	0.00166	0.072031	0.12008	0.141218	0.00222	0.041702
-0.12191	0.00836	-0.07906	0.08789	0.14036	0.00236	0.244117	9.18E-08	0.037618
0.058432	0.20752	0.033982	0.4638	0.230471	4.78E-07	0.196009	1.99E-05	0.202198
-0.05591	0.22782	-0.03155	0.49636	0.133213	0.00393	0.112963	0.01459	0.136667
-0.08857	0.05581	0.077308	0.09519	0.110883	0.01652	0.182202	7.49E-05	0.186603
-0.1681	0.00026	-0.0671	0.14767	0.029187	0.52924	0.063112	0.17334	0.039509
-0.08165	0.07796	0.026744	0.56428	0.197965	1.64E-05	0.275423	1.42E-09	0.225272
-0.23146	4.25E-07	-0.15773	0.00062	0.062907	0.17474	0.189567	3.74E-05	0.01359
-0.04599	0.32137	-0.14646	0.0015	0.110018	0.01739	0.047699	0.30367	0.12836
-0.00837	0.85688	-0.01654	0.72146	0.290373	1.59E-10	0.287793	2.34E-10	0.213146
-0.08361	0.07106	-0.15339	0.00088	0.016248	0.72618	0.144265	0.00177	-0.06686
0.241441	1.28E-07	0.43484	5.79E-23	0.080055	0.08396	0.156566	0.00069	0.082397
-0.20808	5.78E-06	-0.19198	2.96E-05	0.012431	0.78876	0.137953	0.00281	-0.09526
-0.02289	0.6218	0.00788	0.86514	0.131608	0.00439	0.138094	0.00278	0.094544
-0.02479	0.59304	-0.09435	0.04156	0.219069	1.76E-06	0.16392	0.00038	0.122251
0.106712	0.02108	0.114308	0.01345	0.080461	0.0824	0.007939	0.86414	-0.01753
-0.07805	0.09202	-0.14545	0.00162	0.0373	0.42129	0.042082	0.36421	0.076769
-0.06633	0.15237	-0.22337	1.08E-06	0.176822	0.00012	0.113935	0.01376	0.101815
-0.18234	7.40E-05	-0.10415	0.0244	-0.02204	0.63476	0.124669	0.00699	-0.03956
0.053034	0.2527	0.161878	0.00044	0.271413	2.49E-09	0.293468	9.94E-11	0.276713
-0.0802	0.08338	-0.10568	0.02236	0.110166	0.01724	0.15737	0.00064	0.130199
-0.303	2.26E-11	-0.25613	1.98E-08	-0.24208	1.18E-07	-0.21022	4.61E-06	-0.20213

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-0.15048	0.00111	-0.32056	1.28E-12	0.09578	0.03854	0.02449	0.59757	0.032453
0.105595	0.02248	-0.09671	0.0367	0.199638	1.38E-05	0.175708	0.00014	0.042524
0.337986	6.08E-14	0.187089	4.74E-05	0.084212	0.06904	0.043412	0.34924	0.036638
-0.21033	4.55E-06	-0.07736	0.09496	0.067206	0.14704	0.056878	0.21988	0.035459
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-0.13772	0.00286	-0.12262	0.00798	0.053391	0.24952	0.089048	0.05448	0.039039
-0.25962	1.25E-08	-0.21465	2.86E-06	-0.02711	0.55901	0.104408	0.02405	-0.07614
-0.11773	0.01089	-0.24045	1.44E-07	0.116601	0.01168	0.15119	0.00105	-0.01001
-0.17568	0.00014	-0.14693	0.00145	0.00873	0.85076	0.057297	0.21649	0.041165
0.184617	5.98E-05	0.033539	0.46965	-0.08966	0.05283	-0.19803	1.63E-05	-0.04993
-0.09186	0.04726	-0.09496	0.04024	0.026873	0.56241	0.053189	0.25132	-0.00738
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-0.23792	1.96E-07	-0.20708	6.42E-06	-0.0897	0.05274	-0.09804	0.03416	-0.0459
-0.05388	0.24518	-0.07104	0.12527	0.246872	6.50E-08	0.200289	1.29E-05	0.226899
-0.17428	0.00015	-0.12532	0.0067	0.045294	0.32872	0.13531	0.00339	-0.00012
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0.040144	0.38674	-0.41381	9.58E-21	-0.00702	0.87966	-0.10624	0.02166	-0.06137
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-0.01243	0.78881	0.012703	0.78424	0.193918	2.45E-05	0.287882	2.31E-10	0.057697
0.024321	0.60011	-0.13877	0.00265	0.185707	5.40E-05	0.115983	0.01214	0.096324
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0.004243	0.92713	0.01631	0.72518	-0.15109	0.00106	-0.19891	1.49E-05	-0.16134
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-0.31195	5.35E-12	-0.22751	6.74E-07	-0.14711	0.00143	0.012965	0.7799	-0.18763
-0.03722	0.42229	-0.10163	0.02808	0.090416	0.05086	0.082759	0.07399	0.038746
-0.1307	0.00467	-0.11262	0.01489	-0.04091	0.37771	-0.04098	0.37689	-0.05799
0.230584	4.71E-07	0.043918	0.34364	-0.12379	0.0074	-0.20405	8.81E-06	-0.11068
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-0.21066	4.39E-06	-0.10716	0.02054	-0.05121	0.2694	-0.01041	0.82247	-0.06473

0.305143	1.61E-11	0.251263	3.72E-08	0.363794	4.64E-16	0.203178	9.64E-06	0.293456
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0.40467	7.92E-20	0.100106	0.03055	-0.19581	2.03E-05	-0.15589	0.00072	-0.1114
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0.023225	0.61664	0.26471	6.28E-09	-0.14959	0.00119	-0.11096	0.01645	-0.11336
0.283412	4.48E-10	0.234037	3.13E-07	0.166856	0.00029	0.065981	0.15457	0.293659
0.080336	0.08288	-0.09875	0.03288	0.160434	0.0005	0.163363	0.00039	0.110788
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0.579156	3.51E-43	0.288082	2.24E-10	0.156894	0.00067	0.117274	0.0112	0.119462
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0.243797	9.55E-08	-0.02707	0.55955	0.268447	3.77E-09	-0.03456	0.45621	0.235206
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0.132725	0.00406	0.009605	0.836	-0.09421	0.04184	-0.27985	7.52E-10	-0.03501
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0.091528	0.04807	0.030162	0.51556	0.168835	0.00025	0.255268	2.21E-08	0.149673
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0.0577	0.21328	0.08025	0.08321	0.274873	1.53E-09	0.388535	2.81E-18	0.198946
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0.130417	0.00476	-0.11162	0.01582	0.133115	0.00395	-0.10027	0.03028	0.023813
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0.242965	1.06E-07	0.17159	0.00019	0.031765	0.49348	-0.06868	0.13834	0.027817
-0.11642	0.01181	-0.04695	0.31132	-0.04119	0.37451	-0.02451	0.5973	-0.01615
-0.02776	0.54957	-0.12469	0.00698	0.102383	0.02694	0.113417	0.01419	0.062997
-0.15142	0.00103	0.006332	0.89144	0.13994	0.00244	0.250028	4.35E-08	0.093153
-0.17576	0.00013	-0.24866	5.18E-08	-0.06535	0.15855	0.034296	0.45968	-0.09753
-0.01935	0.67659	-0.10901	0.01845	0.174301	0.00015	0.157238	0.00065	0.142657
-0.1975	1.72E-05	-0.08517	0.06594	-0.17147	0.0002	-0.00116	0.98012	-0.08566
-0.23918	1.69E-07	-0.21255	3.59E-06	-0.15007	0.00114	-0.02611	0.57353	-0.12977
-0.14052	0.00234	-0.13392	0.00374	-0.09268	0.04531	-0.05219	0.26035	-0.06181
0.011725	0.8005	-0.09425	0.04176	0.158062	0.00061	0.199881	1.35E-05	0.23171
-0.25094	3.87E-08	-0.10836	0.01916	-0.01235	0.79004	0.169853	0.00023	-0.04382
-0.0459	0.32225	-0.01396	0.76355	0.095297	0.03954	0.083038	0.07301	0.14937
-0.09648	0.03715	-0.12281	0.00789	-0.03149	0.49721	-0.04814	0.29925	0.053973
-0.16451	0.00036	-0.17765	0.00011	-0.05454	0.23944	0.038829	0.40249	-0.09146
-0.15803	0.00061	0.006613	0.88667	0.013381	0.77304	0.127738	0.0057	0.043315
0.117694	0.01091	0.275431	1.42E-09	0.361032	7.99E-16	0.363494	4.93E-16	0.413155
-0.2083	5.64E-06	-0.13744	0.00292	-0.10668	0.02113	-0.00245	0.95796	-0.17544
-0.25197	3.39E-08	-0.2776	1.04E-09	-0.01775	0.70207	-0.04662	0.3147	-0.01283
-0.15019	0.00113	-0.04637	0.3174	0.078889	0.08859	0.266264	5.08E-09	-0.01141
-0.0863	0.0624	0.011998	0.79595	0.046803	0.31285	0.133277	0.00391	0.119339
-0.22268	1.17E-06	-0.1829	7.02E-05	-0.08023	0.0833	0.038505	0.40644	-0.09339
-0.17402	0.00016	-0.09596	0.03817	-0.10086	0.0293	-0.08379	0.07046	0.000274
-0.1897	3.69E-05	-0.13457	0.00357	0.02769	0.55057	0.135573	0.00333	-0.00359
0.006436	0.88969	-0.07344	0.11296	0.187114	4.73E-05	0.143049	0.00194	0.136242
-0.08738	0.05919	-0.03824	0.40962	0.074492	0.1079	0.146996	0.00145	0.074251
-0.08313	0.07269	-0.03883	0.40245	0.068121	0.14159	0.097706	0.03479	0.035377
-0.2491	4.90E-08	-0.15681	0.00067	-0.01474	0.75073	0.075759	0.10202	-0.10745
-0.19979	1.36E-05	-0.20045	1.27E-05	0.112259	0.01522	0.148653	0.00127	-0.00548
0.086553	0.06163	0.110585	0.01682	-0.1897	3.69E-05	-0.24471	8.52E-08	-0.04736
-0.1286	0.00538	-0.00316	0.94571	0.204226	8.65E-06	0.220765	1.45E-06	0.192173
-0.00332	0.94302	-0.0973	0.03555	0.267371	4.37E-09	0.22617	7.87E-07	0.186
-0.06289	0.17485	-0.20346	9.36E-06	0.095284	0.03956	0.079338	0.08678	0.034887

0.065173	0.15969	-0.09366	0.04306	0.182561	7.25E-05	0.205749	7.38E-06	0.040186
-0.0618	0.18244	-0.1145	0.01329	0.140784	0.00229	0.117453	0.01108	0.113486
-0.25831	1.48E-08	-0.28095	6.41E-10	-0.10684	0.02093	0.026035	0.57465	-0.15611
-0.02566	0.58018	-0.09716	0.03582	0.21399	3.07E-06	0.137118	0.00299	0.12917
-0.28477	3.66E-10	-0.19322	2.62E-05	-0.15393	0.00085	-0.04842	0.29637	-0.1254
0.017218	0.71055	-0.15661	0.00068	0.191181	3.20E-05	0.084104	0.06939	0.180209
0.008512	0.85444	-0.1999	1.35E-05	0.104996	0.02326	0.147314	0.00141	-0.06843
0.119846	0.00953	0.168206	0.00026	0.2811	6.27E-10	0.283735	4.27E-10	0.158365
-0.17363	0.00016	-0.16417	0.00037	0.009854	0.83181	0.05324	0.25086	0.040637
-0.00303	0.94794	-0.0602	0.19405	0.22165	1.32E-06	0.090959	0.04948	0.169005
0.248898	5.03E-08	0.049443	0.28631	0.08337	0.07187	-0.07532	0.10405	0.091962
-0.19049	3.42E-05	0.002637	0.95467	0.08059	0.08191	0.209461	4.99E-06	0.045568
-0.05858	0.20635	0.074141	0.10957	0.155917	0.00072	0.206754	6.64E-06	0.167851
0.088121	0.05705	0.180151	9.05E-05	0.225079	8.92E-07	0.40165	1.57E-19	0.066128
-0.15792	0.00061	-0.288	2.27E-10	-0.19304	2.67E-05	-0.17935	9.74E-05	-0.10538
-0.01749	0.70625	0.036085	0.43659	0.25375	2.70E-08	0.232269	3.86E-07	0.199515
-0.24164	1.25E-07	-0.18947	3.77E-05	-0.05372	0.2466	0.064885	0.16155	-0.11578
-0.0216	0.64156	0.060629	0.19091	0.070879	0.12613	0.133639	0.00381	0.116405
-0.22728	6.92E-07	-0.1186	0.01031	-0.17141	0.0002	-0.02435	0.59961	-0.13354
0.1979	1.65E-05	0.31559	2.93E-12	0.049977	0.28112	0.149491	0.00119	-0.02323
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-0.22978	5.18E-07	-0.15767	0.00063	-0.06041	0.19255	0.032344	0.48563	-0.06793
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-0.24042	1.45E-07	-0.16435	0.00036	0.088122	0.05705	0.195327	2.13E-05	0.055083
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0.117733	0.01089	0.177485	0.00012	0.358152	1.40E-15	0.358296	1.36E-15	0.280328
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0.040786	0.37919	0.06349	0.17077	-0.24833	5.40E-08	-0.24939	4.72E-08	-0.21039
0.095172	0.0398	0.100727	0.02952	0.425164	6.35E-22	0.407943	3.74E-20	0.369454
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-0.12947	0.00508	-0.15923	0.00055	-0.05129	0.26864	0.037573	0.41791	-0.08387
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-0.17526	0.00014	-0.17407	0.00016	-0.05229	0.25939	-0.05178	0.26415	-0.0591
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0.215045	2.74E-06	0.062348	0.17861	0.159938	0.00052	-0.06773	0.1439	0.255185
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0.357489	1.59E-15	0.359548	1.07E-15	0.183239	6.81E-05	0.289978	1.69E-10	0.138704
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-0.1564	0.00069	-0.07858	0.08986	0.062934	0.17455	0.172654	0.00018	0.000373
-0.073	0.11516	0.031678	0.49467	0.170291	0.00022	0.136663	0.00308	0.156028
-0.13202	0.00426	-0.0205	0.65862	-0.13009	0.00487	-0.02233	0.63033	-0.1385
-0.19109	3.23E-05	-0.0898	0.05248	0.108772	0.01871	0.258478	1.45E-08	0.044314

0.403741	9.77E-20	0.081419	0.0788	0.106949	0.0208	-0.01503	0.74605	0.173108
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-0.01559	0.7368	-0.15319	0.0009	0.28767	2.38E-10	0.235939	2.50E-07	0.128476
-0.19133	3.15E-05	-0.03695	0.42571	-0.11442	0.01336	-0.01686	0.71636	-0.02376
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-0.27763	1.04E-09	-0.16733	0.00028	-0.06386	0.1683	-0.08556	0.06467	0.032462
-0.21496	2.76E-06	-0.19894	1.48E-05	0.084061	0.06954	0.100719	0.02954	0.061266
0.199332	1.43E-05	0.009295	0.84121	0.094707	0.04078	-0.07163	0.12214	0.041649
0.010319	0.82399	-0.10862	0.01888	0.08874	0.05532	0.141286	0.00221	0.037704
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0.078477	0.09027	0.027979	0.54643	-0.07545	0.10343	-0.11025	0.01715	-0.00988
-0.06944	0.13405	0.061062	0.18775	0.187428	4.59E-05	0.235217	2.72E-07	0.159945
0.046593	0.31503	0.188702	4.06E-05	0.012921	0.78064	0.076006	0.10091	0.024572
-0.26893	3.52E-09	-0.1331	0.00396	-0.16948	0.00023	-0.01881	0.68513	-0.14843
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-0.00367	0.93695	0.074134	0.10961	0.129697	0.005	0.211207	4.14E-06	0.092717
-0.0929	0.0448	-0.12602	0.00639	0.148771	0.00126	0.133494	0.00385	0.075288
0.062909	0.17473	-0.11726	0.01121	0.159875	0.00052	0.026355	0.56996	0.068592
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0.023737	0.60889	-0.09529	0.03954	0.201743	1.12E-05	0.166814	0.00029	0.067854
-0.24327	1.02E-07	-0.122	0.00831	0.027328	0.5558	0.135263	0.0034	-0.00929
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-0.12283	0.00788	-0.12477	0.00694	0.01264	0.78529	0.052771	0.25507	0.023531
-0.21349	3.24E-06	-0.20166	1.13E-05	-0.026	0.57521	-0.0298	0.52055	-0.00479
-0.10764	0.01998	-0.15683	0.00067	-0.02124	0.64703	-0.0325	0.48356	-0.08165
-0.22172	1.31E-06	-0.30914	8.45E-12	0.063519	0.17058	0.010808	0.81581	0.004809
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-0.20922	5.12E-06	-0.26296	7.96E-09	0.058526	0.20678	0.04395	0.34329	0.031283
-0.26275	8.19E-09	-0.28954	1.80E-10	0.086296	0.06241	0.038454	0.40706	0.020357
-0.16449	0.00036	-0.19494	2.21E-05	0.105444	0.02267	0.083477	0.0715	0.076126
-0.14332	0.0019	-0.21315	3.36E-06	0.069618	0.13303	0.014025	0.76243	0.076765
-0.09259	0.04551	-0.23001	5.04E-07	0.135948	0.00324	0.035694	0.44158	0.142987
-0.09628	0.03753	-0.15424	0.00082	0.118914	0.01011	0.076883	0.09702	0.012974
-0.18402	6.33E-05	-0.33384	1.28E-13	0.062989	0.17418	-0.06161	0.18381	-0.03199
0.112296	0.01519	-0.0181	0.69651	-0.03519	0.44802	-0.14272	0.00199	0.021786
-0.07075	0.12681	-0.07392	0.11066	0.194015	2.43E-05	0.163867	0.00038	0.188968
-0.16809	0.00026	-0.06809	0.14177	0.098337	0.03363	0.203356	9.46E-06	0.038149
-0.13392	0.00374	-0.07943	0.08641	-0.06391	0.16796	0.061832	0.18224	-0.05731
-0.10927	0.01817	-0.08933	0.0537	0.027125	0.55875	0.11416	0.01357	0.009302
-0.27896	8.54E-10	-0.2352	2.73E-07	-0.08118	0.07969	0.060163	0.19435	-0.1035
-0.10602	0.02194	-0.10984	0.01757	0.24247	1.13E-07	0.254885	2.33E-08	0.155319
-0.17301	0.00017	-0.12026	0.00928	0.154608	0.0008	0.176962	0.00012	0.116782
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0.110627	0.01677	0.039525	0.39411	0.143721	0.00185	0.195748	2.04E-05	0.079869
0.378843	2.19E-17	0.282274	5.29E-10	0.293207	1.03E-10	0.135525	0.00334	0.18799
0.070803	0.12654	-0.01387	0.76505	0.321389	1.11E-12	0.354726	2.71E-15	0.173246
-0.22594	8.08E-07	-0.24069	1.40E-07	-0.24351	9.90E-08	-0.18398	6.35E-05	-0.16874
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-0.16693	0.00029	-0.01351	0.77089	0.044861	0.33337	0.075371	0.10379	0.082685
-0.22662	7.47E-07	-0.09797	0.03429	-0.11682	0.01152	0.017292	0.70936	-0.11936
-0.05455	0.23934	-0.15114	0.00105	0.079217	0.08727	0.143489	0.00188	-0.00366
-0.19276	2.74E-05	-0.13554	0.00334	-0.00553	0.90507	0.115107	0.01281	-0.04766
-0.27104	2.63E-09	-0.37814	2.53E-17	-0.08683	0.06081	-0.03544	0.44478	-0.11279
0.172312	0.00018	0.175648	0.00014	0.255912	2.03E-08	0.14305	0.00194	0.219665
-0.24548	7.74E-08	-0.16769	0.00027	0.047655	0.30411	0.137507	0.0029	0.037375
-0.08721	0.05969	-0.11874	0.01022	-0.17118	0.0002	-0.15881	0.00057	-0.08971
-0.04503	0.3316	0.018734	0.68636	0.040072	0.3876	0.113973	0.01372	0.056009
-0.19142	3.13E-05	-0.20589	7.27E-06	0.016971	0.71452	0.037005	0.42498	-0.03991
-0.08298	0.0732	-0.10614	0.02179	0.15647	0.00069	0.149294	0.00121	0.115157
0.188459	4.16E-05	0.099045	0.03236	0.144209	0.00178	-0.04746	0.30612	0.156767
0.114144	0.01358	-0.07203	0.12007	-0.0244	0.59892	-0.11469	0.01314	-0.09206
0.205922	7.25E-06	0.161694	0.00045	0.134405	0.00361	-0.06237	0.17843	0.058066
-0.17798	0.00011	-0.155	0.00078	0.019345	0.6767	0.129304	0.00513	-0.05108
-0.02761	0.55168	0.086939	0.06048	-0.04353	0.34793	0.167374	0.00028	-0.0236
-0.19917	1.45E-05	-0.11291	0.01463	-0.08497	0.06655	0.041398	0.37207	-0.13538
0.021205	0.64763	0.028942	0.5327	-0.05715	0.21772	-0.12211	0.00825	-0.08869
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-0.21285	3.47E-06	-0.18537	5.57E-05	-0.09677	0.03657	-0.01403	0.76235	-0.09873
-0.18074	8.57E-05	-0.14917	0.00123	0.037024	0.42474	0.146214	0.00153	-0.01773
-0.08427	0.06885	-0.15099	0.00106	0.121201	0.00875	0.077264	0.09537	0.071383
-0.06392	0.16791	-0.09902	0.0324	0.099146	0.03218	0.143506	0.00188	0.037248
-0.32615	4.91E-13	-0.16935	0.00024	-0.17493	0.00015	-0.01672	0.71858	-0.17513
-0.09913	0.03221	-0.05534	0.23266	-0.09284	0.04493	-0.23777	2.00E-07	-0.03947
-0.1192	0.00993	-0.13005	0.00488	-0.00807	0.86188	0.08394	0.06994	0.014352
0.076061	0.10066	-0.00407	0.93014	0.398297	3.32E-19	0.397445	4.01E-19	0.233471
-0.39673	4.70E-19	-0.46835	7.76E-27	-0.32092	1.20E-12	-0.28703	2.62E-10	-0.26881
-0.04242	0.36038	-0.1206	0.00909	0.363417	5.00E-16	0.343853	2.09E-14	0.265714
-0.19041	3.45E-05	-0.06909	0.13602	-0.08519	0.06587	0.152652	0.00093	-0.12138
0.064402	0.16469	0.000145	0.9975	-0.04379	0.34509	-0.22247	1.20E-06	-0.12081
-0.09574	0.03862	-0.13937	0.00254	-0.00786	0.86554	0.05325	0.25078	-0.01989
-0.05797	0.21113	-0.18342	6.69E-05	0.163959	0.00037	0.167042	0.00029	0.096471
-0.28568	3.20E-10	-0.16843	0.00026	-0.15193	0.00099	0.025413	0.58383	-0.15503

-0.29641	6.32E-11	-0.28083	6.52E-10	-0.07746	0.09453	-0.03095	0.50469	-0.11307
-0.16568	0.00032	-0.1035	0.02531	0.098397	0.03352	0.187252	4.67E-05	0.060053
0.136129	0.0032	0.073997	0.11027	0.042865	0.35535	-0.15121	0.00105	0.156136
-0.09332	0.04384	-0.07501	0.10545	0.171875	0.00019	0.198691	1.52E-05	0.146116
-0.12904	0.00523	-0.22979	5.17E-07	-0.15138	0.00103	-0.03392	0.46464	-0.10978
-0.30113	3.04E-11	-0.18214	7.53E-05	-0.1654	0.00033	-0.00324	0.94438	-0.1319
-0.18833	4.21E-05	-0.10883	0.01864	0.07318	0.11426	0.196059	1.98E-05	0.005344
0.038263	0.4094	0.062065	0.1806	-0.08493	0.06669	-0.15555	0.00074	-0.06616
-0.14017	0.0024	-0.08959	0.05302	0.036704	0.42876	0.110689	0.01671	5.42E-05
-0.12176	0.00844	-0.11444	0.01334	0.198099	1.62E-05	0.27443	1.63E-09	0.117059
-0.25027	4.22E-08	-0.30112	3.04E-11	-0.09028	0.05121	-0.01021	0.8258	-0.11983
-0.13383	0.00376	-0.07608	0.10058	0.220828	1.44E-06	0.213432	3.26E-06	0.097352
-0.18204	7.61E-05	-0.17333	0.00017	0.024746	0.59374	0.117838	0.01082	-0.06529
-0.07088	0.12614	-0.04933	0.28738	-0.27381	1.78E-09	-0.3017	2.77E-11	-0.17286
-0.15765	0.00063	-0.06824	0.1409	-0.14393	0.00182	-0.03694	0.4258	-0.08771
-0.30193	2.67E-11	-0.30732	1.13E-11	-0.12154	0.00856	-0.05415	0.24283	-0.12944
0.352346	4.26E-15	0.118245	0.01054	-0.00581	0.90039	-0.09273	0.04518	0.046034
0.202973	9.84E-06	0.220504	1.50E-06	0.025958	0.57579	-0.03872	0.4038	-0.03351
-0.11884	0.01016	-0.15996	0.00052	-0.02911	0.53033	-0.10492	0.02336	0.002545
-0.24535	7.87E-08	-0.11138	0.01604	-0.10013	0.0305	0.079221	0.08725	-0.09213
-0.04701	0.31072	-0.24005	1.52E-07	-0.22696	7.19E-07	-0.40682	4.84E-20	-0.21738
0.04595	0.32176	0.036237	0.43466	0.267016	4.59E-09	0.216164	2.42E-06	0.215482
-0.29056	1.55E-10	-0.23526	2.71E-07	-0.09214	0.04658	-0.00197	0.96613	-0.05492
-0.29779	5.11E-11	-0.20217	1.07E-05	-0.1276	0.00576	0.001413	0.9757	-0.14704
0.307838	1.04E-11	0.028814	0.53451	0.095902	0.03829	-0.00141	0.97579	0.108684
-0.2199	1.60E-06	-0.19164	3.06E-05	-0.08534	0.0654	-0.01813	0.69604	-0.09967
-0.13428	0.00365	-0.05335	0.24984	0.152945	0.00091	0.202277	1.06E-05	0.117478
-0.15306	0.00091	-0.19716	1.77E-05	0.108904	0.01857	0.174128	0.00016	0.050665
-0.15416	0.00083	0.02476	0.59354	-0.12738	0.00584	0.062821	0.17533	-0.02924
-0.19797	1.64E-05	0.050641	0.27478	-0.25556	2.13E-08	-0.01905	0.68133	-0.17556
-0.13895	0.00262	-0.06238	0.17842	0.039328	0.39647	0.029962	0.51835	-0.01154
-0.13878	0.00265	-0.13572	0.0033	0.106574	0.02125	0.176239	0.00013	0.04573
0.273558	1.85E-09	0.134223	0.00366	0.068144	0.14146	-0.00296	0.94909	0.084305
-0.15074	0.00108	-0.12055	0.00912	0.131115	0.00454	0.046197	0.31917	0.124116
-0.01103	0.81215	-0.03578	0.44044	0.229081	5.62E-07	0.27354	1.85E-09	0.151944
-0.24128	1.30E-07	-0.15066	0.00109	-0.00134	0.9769	0.1329	0.00401	-0.05154
-0.24455	8.70E-08	-0.23257	3.73E-07	-0.10331	0.02558	0.027193	0.55776	-0.15095
-0.01547	0.73887	0.044201	0.34054	0.185798	5.35E-05	0.250204	4.26E-08	0.087498
-0.16368	0.00038	-0.14104	0.00225	0.086297	0.06241	0.174721	0.00015	0.077063
-0.02332	0.61523	-0.01875	0.68612	0.046364	0.31742	0.026221	0.57193	0.134638
0.013649	0.76863	0.008145	0.86065	0.234383	3.01E-07	0.228337	6.13E-07	0.238155
-0.07909	0.08776	-0.11243	0.01506	0.162779	0.00041	0.187485	4.56E-05	0.012101
0.062546	0.17723	-0.09789	0.03444	-0.04966	0.28416	-0.17562	0.00014	0.006504
-0.32358	7.63E-13	-0.15606	0.00071	-0.33602	8.65E-14	-0.12632	0.00627	-0.27453
0.143717	0.00185	0.012334	0.79037	0.139198	0.00257	-0.08107	0.08011	0.110606

0.028438	0.53986	-0.04477	0.33441	0.220121	1.56E-06	0.202078	1.08E-05	0.20766
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-0.00513	0.91194	-0.08938	0.05358	0.204395	8.50E-06	0.184904	5.82E-05	0.180516
-0.13806	0.00279	-0.10924	0.0182	0.03426	0.46015	0.078963	0.08829	-0.00678
-0.11677	0.01156	0.040431	0.38335	0.201365	1.16E-05	0.207807	5.95E-06	0.258746
-0.10361	0.02515	-0.20094	1.21E-05	-0.04861	0.29447	-0.02128	0.64643	-0.10755
-0.22416	9.90E-07	-0.03127	0.50026	-0.06787	0.14308	0.112229	0.01525	-0.11811
-0.11541	0.01257	0.008241	0.85903	0.243339	1.01E-07	0.29783	5.08E-11	0.156946
0.196465	1.90E-05	0.101998	0.02752	0.034339	0.45912	-0.02334	0.61488	0.064813
-0.15828	0.0006	-0.13267	0.00408	0.031531	0.49667	0.018897	0.68378	0.01654
-0.09867	0.03303	-0.10558	0.0225	0.081768	0.07752	0.093409	0.04364	0.039989
0.126595	0.00615	-0.08178	0.07749	-0.15397	0.00084	-0.19597	2.00E-05	-0.08409
0.045434	0.32723	-0.06859	0.13889	-0.29444	8.57E-11	-0.28187	5.61E-10	-0.18511
-0.11743	0.0111	-0.08997	0.05202	0.061743	0.18287	0.092029	0.04685	0.066123
-0.15176	0.001	0.026705	0.56484	-0.09465	0.04089	0.143512	0.00188	-0.12557
-0.13335	0.00389	-0.058	0.21088	-0.02658	0.56665	0.122932	0.00782	-0.01758
0.124077	0.00726	-0.06603	0.15425	0.206043	7.16E-06	0.21948	1.68E-06	0.095524
-2.20E-05	0.99962	-0.02836	0.54094	0.179408	9.69E-05	0.157959	0.00061	0.074397
-0.02477	0.59341	0.018746	0.68617	0.107851	0.01974	0.133432	0.00387	0.084595
-0.13926	0.00256	-0.11872	0.01024	0.140366	0.00236	0.199839	1.36E-05	0.0447
-0.16683	0.00029	-0.04245	0.36006	-0.02325	0.61633	0.072644	0.11695	-0.02605
-0.29641	6.33E-11	-0.13005	0.00488	-0.14874	0.00127	0.037791	0.4152	-0.15115
-0.08532	0.06544	-0.26877	3.60E-09	0.08926	0.0539	0.053528	0.2483	-0.04238
-0.18787	4.40E-05	-0.29594	6.80E-11	-0.17535	0.00014	-0.07441	0.10829	-0.24096
-0.08315	0.07263	-0.13187	0.00431	0.077583	0.09401	0.085778	0.06401	0.025589
-0.2565	1.88E-08	-0.17657	0.00013	0.001384	0.9762	0.092768	0.0451	-0.01864
-0.18169	7.86E-05	-0.1651	0.00034	-0.12267	0.00796	-0.06152	0.18449	-0.12958
-0.33844	5.60E-14	-0.18075	8.57E-05	-0.28645	2.86E-10	-0.10506	0.02317	-0.23323
-0.23563	2.59E-07	-0.32423	6.82E-13	0.026814	0.56326	0.023475	0.61285	-0.06018
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-0.10317	0.02578	0.069798	0.13203	0.071132	0.12478	0.181169	8.24E-05	0.025055
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0.0662	0.1532	0.029052	0.53114	0.09265	0.04538	0.181947	7.67E-05	0.090992
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0.00675	0.88433	-0.06411	0.16665	-0.33953	4.60E-14	-0.31102	6.22E-12	-0.29537
0.040037	0.38801	-0.03854	0.40605	0.188431	4.17E-05	0.153091	0.0009	0.144479
-0.17246	0.00018	-0.13644	0.00313	7.77E-05	0.99866	0.141358	0.0022	-0.08817
-0.02951	0.52475	-0.03055	0.5102	0.126845	0.00605	0.103804	0.02488	0.026915
-0.05047	0.27644	-0.10823	0.01931	0.086067	0.06312	0.1256	0.00657	-0.03186
-0.32254	9.11E-13	-0.17136	0.0002	-0.12327	0.00766	0.021817	0.63817	-0.17334
-0.17365	0.00016	-0.03925	0.39747	0.0928	0.04503	0.171683	0.00019	0.055885
0.26142	9.80E-09	0.100607	0.02972	0.076771	0.09751	-0.10322	0.0257	0.060972

-0.14199	0.0021	-0.08135	0.07905	-0.0458	0.3233	0.05898	0.20328	-0.02719
0.310172	7.15E-12	0.174966	0.00014	0.148767	0.00126	-0.03266	0.48132	0.15539
-0.07259	0.11722	-0.21634	2.37E-06	0.087502	0.05883	-0.01146	0.80497	0.089431
0.099473	0.03162	0.063109	0.17336	-0.18445	6.08E-05	-0.12063	0.00907	-0.15866
0.076698	0.09783	0.035529	0.44369	-0.05017	0.27924	-0.03473	0.45404	-0.14088
0.105447	0.02267	-0.00609	0.89564	0.514933	5.55E-33	0.375223	4.63E-17	0.377719
-0.1719	0.00019	-0.05073	0.2739	0.213389	3.28E-06	0.201113	1.19E-05	0.123531
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0.032585	0.48239	0.183517	6.63E-05	0.199254	1.44E-05	0.303149	2.21E-11	0.223799
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0.056395	0.22383	0.022463	0.62825	0.252014	3.37E-08	0.279557	7.84E-10	0.211565
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-0.38274	9.68E-18	-0.28324	4.59E-10	-0.30096	3.12E-11	-0.109	0.01847	-0.31615
-0.0702	0.12983	-0.10194	0.02761	0.235729	2.56E-07	0.258809	1.39E-08	0.165143
-0.3866	4.26E-18	-0.13612	0.0032	-0.31221	5.12E-12	-0.12883	0.0053	-0.2813
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-0.10754	0.0201	-0.0791	0.08772	0.025096	0.58853	0.098531	0.03328	0.005754
-0.22697	7.18E-07	-0.3952	6.60E-19	-0.1948	2.24E-05	-0.16405	0.00037	-0.20161
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-0.33824	5.80E-14	-0.24458	8.66E-08	-0.14975	0.00117	-0.00215	0.96308	-0.18431
-0.15844	0.00059	-0.13244	0.00414	0.119188	0.00994	0.151827	0.001	0.095993
-0.0641	0.16672	-0.0242	0.60191	0.319316	1.57E-12	0.310323	6.97E-12	0.233642
-0.03268	0.48114	-0.15072	0.00109	0.387351	3.63E-18	0.254016	2.60E-08	0.213927
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-0.09674	0.03662	-0.06928	0.13491	0.074462	0.10804	0.150676	0.00109	-0.01523
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0.162755	0.00041	-0.01626	0.726	0.133833	0.00376	-0.00676	0.88415	0.097207
-0.1231	0.00774	-0.09065	0.05026	0.185305	5.61E-05	0.229971	5.06E-07	0.140814
-0.05962	0.19838	0.135789	0.00328	-0.04962	0.28457	0.125293	0.00671	0.066481
-0.11588	0.01221	-0.09435	0.04156	0.006234	0.89312	0.036312	0.4337	-0.00666
-0.06619	0.15323	-0.08079	0.08115	0.143855	0.00183	0.159074	0.00056	0.071295
-0.05788	0.21185	-0.09227	0.04628	0.208859	5.32E-06	0.200617	1.25E-05	0.142216
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-0.01253	0.78704	-0.05065	0.27468	0.133189	0.00393	0.214296	2.97E-06	0.057328
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0.099858	0.03096	0.192147	2.91E-05	0.000596	0.98976	-0.02584	0.57755	0.009326
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-0.18903	3.94E-05	-0.09716	0.03581	0.009177	0.84321	0.187306	4.64E-05	-0.02098
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0.121797	0.00842	-0.18915	3.89E-05	0.184357	6.13E-05	0.206798	6.61E-06	0.075208
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-0.0434	0.34935	0.050858	0.27272	0.131254	0.0045	0.182634	7.20E-05	0.192319
-0.11637	0.01185	-0.04025	0.38551	0.046088	0.3203	0.172281	0.00018	-0.00433
-0.04375	0.34546	0.007061	0.87904	0.215414	2.63E-06	0.174023	0.00016	0.17133
-0.1052	0.02299	-0.00435	0.92538	-0.07895	0.08834	0.015432	0.73942	-0.00521
-0.14007	0.00241	-0.26833	3.82E-09	0.004211	0.92769	-0.00211	0.96365	-0.07563
0.015224	0.74282	-0.03909	0.39936	0.043829	0.34462	0.045179	0.32996	-0.0157
0.054753	0.23763	0.054731	0.23782	-0.11124	0.01618	-0.11372	0.01394	-0.09917
0.188881	3.99E-05	0.065072	0.16034	0.256394	1.91E-08	0.051208	0.26943	0.253795
-0.15564	0.00074	-0.07483	0.10631	0.05253	0.25725	0.137165	0.00298	0.088182
-0.12341	0.00758	-0.18894	3.97E-05	-0.10204	0.02746	-0.08273	0.07408	-0.09441
-0.10459	0.02381	-0.08547	0.06498	0.077638	0.09378	0.01016	0.82667	0.100361
0.224858	9.14E-07	0.202427	1.04E-05	0.034518	0.45678	-0.01692	0.71539	0.025225
-0.12776	0.0057	0.004309	0.92601	-0.05917	0.20182	0.197825	1.66E-05	-0.09151
-0.14607	0.00155	0.019574	0.6731	-0.04428	0.33967	0.038408	0.40762	0.045223
0.059833	0.19681	-0.03206	0.48945	0.319855	1.44E-12	0.199858	1.35E-05	0.299243
-0.15551	0.00075	-0.08529	0.06555	0.091519	0.04809	0.153052	0.00091	0.048301
0.037306	0.42122	0.026224	0.57188	0.156031	0.00072	0.178144	0.00011	0.19108
-0.03922	0.39782	-0.00989	0.83115	0.100876	0.02928	0.111878	0.01557	0.086823
-0.10026	0.03028	-0.0738	0.1112	0.02235	0.62998	0.082248	0.07579	0.001942
0.006418	0.88999	0.207817	5.94E-06	0.177042	0.00012	0.344369	1.90E-14	0.145744
-0.02285	0.6224	0.099265	0.03198	0.119072	0.01001	0.279279	8.16E-10	0.066673
-0.08362	0.071	-0.03047	0.51132	0.073029	0.11501	0.174494	0.00015	0.02111
0.111096	0.01631	0.170963	0.00021	-0.00764	0.86925	-0.10653	0.02131	0.034245
-0.06234	0.17868	-0.11211	0.01536	-0.02326	0.61617	0.065373	0.15841	-0.01168
0.088946	0.05476	-0.03386	0.46534	-0.05573	0.22934	-0.13105	0.00456	-0.12295
-0.18381	6.45E-05	-0.34651	1.28E-14	0.052751	0.25525	-0.01396	0.76354	0.021973
-0.00379	0.93493	0.026645	0.56572	0.093652	0.04309	0.130655	0.00468	0.116053
-0.33577	9.04E-14	-0.2496	4.60E-08	-0.12973	0.00499	0.020213	0.66306	-0.15927
-0.10077	0.02945	0.022672	0.62505	0.074615	0.10732	0.160795	0.00049	0.13103
0.13022	0.00482	0.090958	0.04948	-0.10937	0.01807	-0.19587	2.02E-05	-0.05911
0.289901	1.71E-10	0.412522	1.30E-20	0.146225	0.00153	0.161157	0.00047	0.051429
-0.08283	0.07372	-0.05732	0.2163	0.111085	0.01632	0.206534	6.80E-06	0.120267
-0.26787	4.08E-09	-0.17079	0.00021	0.035386	0.44554	0.152564	0.00094	-0.01153
-0.18206	7.59E-05	-0.23967	1.59E-07	-0.02256	0.62672	0.022386	0.62943	-0.0389
0.020923	0.652	-0.05539	0.23222	0.11867	0.01027	0.092711	0.04524	0.128635
-0.16733	0.00028	-0.10961	0.01781	0.093297	0.04389	0.173672	0.00016	0.069721
0.098406	0.0335	-0.04555	0.32603	-0.28558	3.25E-10	-0.23462	2.92E-07	-0.24501
-0.17887	0.0001	-0.26428	6.66E-09	0.063286	0.17215	0.032249	0.48692	-0.01251
0.087125	0.05993	-0.04829	0.29774	-0.31281	4.64E-12	-0.32083	1.22E-12	-0.17904
-0.18305	6.93E-05	-0.11543	0.01256	0.132506	0.00412	0.097092	0.03595	0.16193
-0.06846	0.13961	-0.041	0.37669	0.131018	0.00457	0.111876	0.01557	0.140913
0.058949	0.20352	0.05327	0.25059	0.35101	5.49E-15	0.393206	1.02E-18	0.232028
-0.11046	0.01694	-0.20382	9.02E-06	0.076682	0.0979	0.116335	0.01188	-0.00314
0.230946	4.52E-07	0.085591	0.06459	0.105482	0.02262	-0.03861	0.40515	0.08411
-0.11712	0.01131	-0.34096	3.54E-14	-0.12789	0.00565	-0.1366	0.0031	-0.16129



-0.15953	0.00054	-0.12862	0.00537	-0.03709	0.42387	0.068045	0.14204	-0.04747
-0.26132	9.93E-09	-0.29331	1.02E-10	-0.19698	1.81E-05	-0.18638	5.07E-05	-0.15972
-0.19018	3.52E-05	-0.2239	1.02E-06	-0.23236	3.82E-07	-0.13438	0.00362	-0.21905
-0.16505	0.00034	-0.09712	0.03589	0.013798	0.76617	0.087615	0.0585	-0.02487
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-0.17263	0.00018	-0.1066	0.02122	0.056708	0.22126	0.164053	0.00037	0.0031
-0.08505	0.0663	-0.0678	0.14347	0.134867	0.0035	0.140134	0.0024	0.100073
0.067985	0.1424	0.002211	0.962	0.007987	0.86333	-0.15927	0.00055	-0.04318
-0.18936	3.82E-05	-0.09617	0.03776	0.08787	0.05777	0.205834	7.32E-06	0.016063
0.146673	0.00148	-0.07513	0.10492	-0.07743	0.09464	-0.26429	6.65E-09	-0.12536
-0.2022	1.07E-05	-0.14246	0.00203	-0.00307	0.94729	0.096421	0.03726	-0.03153
-0.09182	0.04735	-0.11596	0.01216	0.079109	0.0877	0.082811	0.0738	0.059
-0.04402	0.3425	-0.0404	0.38373	-0.24038	1.46E-07	-0.00739	0.87338	-0.20227
0.242963	1.06E-07	-0.002	0.9657	-0.07646	0.09888	-0.12481	0.00692	0.03944
-0.05538	0.23226	-0.16749	0.00028	0.147887	0.00135	0.051518	0.26654	0.087368
0.257193	1.72E-08	0.257915	1.56E-08	0.193495	2.55E-05	0.106624	0.02119	0.152006
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-0.19882	1.50E-05	0.02217	0.63275	0.02291	0.62143	0.173089	0.00017	0.055066
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-0.20971	4.86E-06	-0.1491	0.00123	-0.14286	0.00197	-0.02303	0.61958	-0.18545
0.175075	0.00014	-0.05652	0.22277	0.198119	1.61E-05	0.20179	1.11E-05	0.202679
-0.06399	0.16745	-0.06659	0.15081	0.131337	0.00447	0.219753	1.63E-06	-0.01925
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-0.04278	0.35626	-0.13879	0.00265	0.318167	1.91E-12	0.249529	4.64E-08	0.193814
0.022397	0.62927	-0.03776	0.41553	-0.2275	6.75E-07	-0.25349	2.79E-08	-0.23655
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0.047318	0.30755	0.088437	0.05616	0.287626	2.40E-10	0.27137	2.51E-09	0.217088
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0.173058	0.00017	0.176895	0.00012	0.438271	2.43E-23	0.569139	1.93E-41	0.286142
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-0.11551	0.01249	-0.12295	0.00782	0.180851	8.49E-05	0.139896	0.00245	0.099823
-0.25107	3.81E-08	-0.30535	1.55E-11	-0.31535	3.05E-12	-0.1638	0.00038	-0.30938
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0.314889	3.30E-12	0.259573	1.25E-08	0.198318	1.58E-05	0.146609	0.00149	0.096554
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-0.17572	0.00014	-0.17967	9.46E-05	0.008416	0.85606	-0.03179	0.49313	0.009581
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0.279164	8.30E-10	0.008305	0.85794	0.117919	0.01076	-0.05446	0.24019	0.132365
-0.00947	0.83835	-0.13071	0.00466	0.123332	0.00762	0.115357	0.01261	0.084819
-0.08203	0.07657	0.025555	0.58173	-0.08537	0.06528	-0.20955	4.95E-06	-0.08327
-0.17509	0.00014	-0.11579	0.01228	0.167603	0.00027	0.177013	0.00012	0.135667

-0.18478	5.89E-05	-0.14537	0.00163	-0.00985	0.83182	0.107284	0.0204	-0.05211
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0.10085	0.02932	-0.01774	0.7022	-0.11105	0.01636	-0.20554	7.54E-06	-0.10515
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0.067566	0.14488	-0.04872	0.29339	-0.20311	9.70E-06	-0.25258	3.14E-08	-0.13038
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0.043301	0.35047	-0.08497	0.06655	-0.22706	7.10E-07	-0.31458	3.47E-12	-0.15419
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-0.01161	0.80238	-0.15963	0.00054	0.03606	0.4369	0.057124	0.21789	0.004072
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0.060537	0.19159	-0.06412	0.16655	-0.02116	0.64839	-0.18737	4.62E-05	-0.03884
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0.044905	0.33289	0.058202	0.20932	0.322062	9.89E-13	0.362036	6.57E-16	0.196332
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0.035438	0.44487	-0.10215	0.02729	0.226665	7.43E-07	0.256563	1.87E-08	0.069646
0.108262	0.01928	-0.08266	0.07433	0.017741	0.70217	-0.19538	2.12E-05	-0.01961
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0.033301	0.47282	-0.1788	0.0001	-0.0197	0.67113	-0.28944	1.83E-10	0.023803
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0.050335	0.27769	-0.18474	5.92E-05	-0.13452	0.00359	-0.19784	1.66E-05	-0.25331
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-0.14413	0.00179	-0.28938	1.85E-10	0.004773	0.91807	0.02187	0.63735	-0.0932
-0.21342	3.27E-06	-0.19482	2.24E-05	0.073815	0.11115	0.146071	0.00155	0.0388
-0.11525	0.0127	-0.21037	4.53E-06	0.147446	0.0014	0.18123	8.20E-05	0.020589
0.16665	0.0003	0.140901	0.00227	0.143617	0.00186	0.021773	0.63884	0.135015
-0.06028	0.19351	-0.1543	0.00082	0.089092	0.05436	0.10106	0.02899	0.037547
-0.16251	0.00042	0.052778	0.255	-0.05967	0.19806	0.052184	0.2604	0.029843
-0.02345	0.61326	-0.00874	0.85062	0.158869	0.00057	0.209709	4.86E-06	0.155969
-0.13273	0.00406	-0.0297	0.52197	-0.02112	0.64898	0.095056	0.04004	0.010938
-0.23934	1.65E-07	-0.24327	1.02E-07	-0.18371	6.51E-05	-0.17064	0.00021	-0.13624
-0.12722	0.00591	-0.0843	0.06873	0.160318	0.00051	0.210476	4.48E-06	0.059682
0.009643	0.83536	-0.08908	0.05439	0.087573	0.05862	0.083879	0.07015	0.075617
-0.23688	2.23E-07	-0.25952	1.26E-08	-0.08892	0.05482	-0.06798	0.1424	-0.1039
0.01552	0.73799	0.020879	0.65268	0.180779	8.54E-05	0.163498	0.00039	0.189942
-0.26691	4.65E-09	-0.29154	1.33E-10	0.025515	0.58232	0.035159	0.44846	-0.05228
-0.12306	0.00776	-0.12675	0.00609	0.291185	1.41E-10	0.187245	4.67E-05	0.23657

0.229769	5.18E-07	0.03229	0.48636	0.115164	0.01276	0.02666	0.56551	0.011858
-0.19832	1.58E-05	-0.17485	0.00015	0.097471	0.03523	0.096419	0.03726	0.04566
-0.2193	1.71E-06	-0.21588	2.50E-06	0.125933	0.00643	0.152912	0.00092	0.090769
-0.19142	3.12E-05	-0.26179	9.32E-09	0.000675	0.98839	0.028455	0.53962	-0.00298
-0.13228	0.00419	-0.14404	0.0018	0.053868	0.24531	0.088502	0.05598	0.046443
-0.31542	3.02E-12	-0.31536	3.05E-12	-0.13859	0.00269	-0.11755	0.01102	-0.18743
-0.25561	2.11E-08	-0.22366	1.05E-06	0.051152	0.26995	0.143518	0.00188	-0.01892
-0.18239	7.36E-05	-0.11908	0.01001	0.00675	0.88434	0.047127	0.3095	-0.02691
-0.10429	0.0242	-0.11657	0.0117	0.056154	0.22582	0.053721	0.2466	0.040881
-0.23567	2.58E-07	-0.16027	0.00051	-0.02057	0.65748	0.106833	0.02094	-0.04134
-0.13821	0.00276	-0.08007	0.08391	0.043906	0.34378	0.084219	0.06901	0.067807
-0.1493	0.00121	-0.15538	0.00075	0.111443	0.01598	0.201902	1.10E-05	0.048779
-0.07264	0.11695	-0.10038	0.03009	0.093643	0.04311	0.118605	0.01031	0.008327
-0.15204	0.00098	-0.1775	0.00012	0.214672	2.85E-06	0.207357	6.24E-06	0.151526
-0.16669	0.0003	-0.2123	3.68E-06	-0.07835	0.09078	0.000548	0.99058	-0.09889
-0.25855	1.44E-08	-0.13548	0.00335	-0.08942	0.05348	0.052125	0.26094	-0.14225
-0.23614	2.44E-07	-0.16821	0.00026	-0.02354	0.61188	0.108857	0.01862	-0.04724
0.127494	0.0058	0.289783	1.74E-10	-0.04647	0.31635	-0.01023	0.82543	-0.058
-0.01329	0.77447	0.118895	0.01012	-0.28008	7.27E-10	-0.25814	1.52E-08	-0.1915
-0.1789	0.0001	-0.08803	0.05731	0.123946	0.00733	0.172845	0.00017	0.074924
-0.10736	0.02031	-0.20324	9.57E-06	0.2096	4.92E-06	0.13691	0.00303	0.113973
0.291181	1.41E-10	0.299809	3.73E-11	0.049259	0.28811	-0.04717	0.30906	0.063054
-0.09007	0.05177	-0.07092	0.12592	0.247898	5.71E-08	0.18815	4.28E-05	0.156244
-0.25179	3.47E-08	-0.17853	0.0001	-0.14734	0.00141	-0.05884	0.20434	-0.19437
-0.16369	0.00038	-0.14837	0.0013	0.08279	0.07388	0.160162	0.00051	0.039803
-0.06341	0.17128	-0.17367	0.00016	0.109001	0.01846	0.106747	0.02104	0.093338
0.201585	1.13E-05	0.249964	4.39E-08	0.445977	3.33E-24	0.6065	2.99E-48	0.274532
0.001269	0.97818	0.085245	0.06568	0.106146	0.02178	0.212851	3.47E-06	0.05606
0.050701	0.27421	0.16946	0.00023	0.094509	0.04121	0.329917	2.55E-13	0.018556
0.067428	0.1457	0.345677	1.49E-14	0.200429	1.28E-05	0.503648	2.09E-31	0.134027
-0.05369	0.24689	0.119882	0.00951	0.077528	0.09424	0.151614	0.00101	0.096824
-0.18096	8.40E-05	-0.10819	0.01936	0.022982	0.62033	0.169304	0.00024	-0.01786
-0.19428	2.36E-05	-0.02744	0.55421	0.100779	0.02944	0.285332	3.37E-10	0.0268
-0.2252	8.80E-07	-0.17937	9.72E-05	-0.04625	0.31863	0.07356	0.11239	-0.0941
-0.26161	9.56E-09	-0.17829	0.00011	-0.05129	0.26865	0.098999	0.03244	-0.09137
-0.18078	8.55E-05	-0.10432	0.02416	0.207073	6.43E-06	0.235141	2.75E-07	0.139351
-0.2726	2.11E-09	-0.13512	0.00344	0.139639	0.00249	0.09512	0.03991	0.117958
-0.0493	0.28774	-0.09453	0.04115	-0.07365	0.11194	0.033777	0.4665	-0.05137
-0.02791	0.54738	-0.15053	0.0011	0.026981	0.56083	-0.02097	0.6513	0.07745
-0.14704	0.00144	-0.13282	0.00404	0.024927	0.59105	0.141636	0.00215	-0.05493
-0.0837	0.07075	-0.04517	0.33009	0.148209	0.00132	0.139353	0.00254	0.177854
0.312887	4.58E-12	0.063285	0.17215	0.123789	0.0074	-0.01758	0.70473	0.138529
-0.07384	0.11101	-0.02599	0.57538	0.078613	0.08971	0.153452	0.00088	0.021952
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-0.20715	6.37E-06	-0.20317	9.64E-06	0.061646	0.18356	0.015306	0.74148	-0.05496

-0.15625	0.0007	-0.0755	0.10321	0.147884	0.00135	0.194284	2.36E-05	0.157335
-0.39082	1.72E-18	-0.35679	1.82E-15	-0.13991	0.00244	-0.12787	0.00565	-0.18907
0.006945	0.88102	-0.0673	0.14648	0.050207	0.27892	0.032207	0.48749	0.048562
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-0.21785	2.01E-06	-0.24904	4.94E-08	-0.00027	0.99541	0.013062	0.7783	-0.13596
-0.10157	0.02818	-0.00762	0.86951	0.147344	0.00141	0.088997	0.05462	0.272649
-0.06442	0.16456	-0.06263	0.17663	0.182602	7.22E-05	0.158905	0.00057	0.165175
-0.20548	7.59E-06	-0.0889	0.05488	0.070007	0.13088	0.078576	0.08986	0.063475
-0.2181	1.96E-06	-0.29392	9.28E-11	0.00795	0.86395	-0.0309	0.50526	-0.05671
-0.07382	0.11112	-0.09089	0.04966	0.110341	0.01706	0.170616	0.00021	-0.01179
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0.051612	0.26567	0.09857	0.0332	-0.24047	1.44E-07	-0.22012	1.56E-06	-0.16885
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-0.01907	0.68109	-0.04619	0.31922	0.150125	0.00114	0.140442	0.00235	0.173292
-0.13325	0.00392	-0.39626	5.22E-19	0.100701	0.02957	-0.05936	0.20037	-0.01643
0.073514	0.11262	0.083221	0.07238	-0.24687	6.50E-08	-0.24894	5.00E-08	-0.1278
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0.051186	0.26964	-0.10186	0.02773	-0.19738	1.74E-05	-0.27441	1.64E-09	-0.16675
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0.338302	5.74E-14	0.330845	2.17E-13	0.188405	4.18E-05	0.120538	0.00912	0.087823
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0.050346	0.27759	-0.14104	0.00225	-0.29735	5.47E-11	-0.36247	6.03E-16	-0.28051
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0.044477	0.33754	0.011653	0.80169	0.235368	2.67E-07	0.241301	1.30E-07	0.15717
0.004721	0.91896	-0.00112	0.98077	0.356806	1.82E-15	0.313488	4.15E-12	0.282909
0.012112	0.79405	-0.03734	0.42085	0.262382	8.61E-09	0.295796	6.96E-11	0.13694
0.023918	0.60617	0.118092	0.01065	0.30125	2.98E-11	0.329963	2.53E-13	0.318605
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-0.04343	0.349	-0.03354	0.46963	0.136985	0.00301	0.144009	0.00181	0.068361
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0.084842	0.06697	0.044788	0.33416	0.04545	0.32706	-0.11056	0.01684	0.095584
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-0.32852	3.25E-13	-0.43859	2.24E-23	-0.21768	2.05E-06	-0.08396	0.06989	-0.26738
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0.163913	0.00038	0.207166	6.36E-06	-0.03733	0.42087	-0.14796	0.00134	-0.07855
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-0.27901	8.49E-10	0.022313	0.63054	-0.21952	1.67E-06	0.024036	0.60439	-0.18461
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0.142005	0.0021	0.071614	0.12224	-0.22166	1.31E-06	-0.17712	0.00012	-0.18717
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0.143684	0.00185	0.024594	0.59602	-0.09155	0.04802	-0.24092	1.36E-07	-0.07492
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0.009178	0.84319	0.041964	0.36556	0.308556	9.29E-12	0.325917	5.11E-13	0.146842
0.044968	0.33222	-0.03691	0.42617	0.204151	8.71E-06	0.20364	9.19E-06	0.14395
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-0.00386	0.93372	0.031509	0.49697	0.160389	0.0005	0.175477	0.00014	0.118912
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-0.06855	0.13908	0.035497	0.4441	0.04032	0.38467	0.020498	0.65862	0.101509
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-0.00102	0.98253	0.050073	0.2802	-0.25417	2.55E-08	-0.21844	1.88E-06	-0.21856
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0.244939	8.28E-08	0.255532	2.14E-08	0.069475	0.13384	0.091584	0.04793	-0.02606
0.344784	1.76E-14	0.211659	3.95E-06	0.034155	0.46152	0.025119	0.58819	0.138433
-0.12417	0.00722	-0.02471	0.59425	0.031904	0.49159	0.059407	0.20002	-0.02276
-0.18213	7.54E-05	-0.10512	0.0231	0.095896	0.03831	0.170851	0.00021	0.080454
-0.10102	0.02905	-0.14765	0.00138	0.16363	0.00038	0.102263	0.02712	0.109808
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0.000766	0.98683	0.044602	0.33617	0.152404	0.00095	0.256994	1.76E-08	0.152056
0.180072	9.12E-05	0.238931	1.74E-07	0.051416	0.26749	-0.05867	0.2057	0.033942
-0.19984	1.36E-05	-0.17886	0.0001	-0.00107	0.98158	0.029423	0.5259	-0.00954
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0.074856	0.10619	0.023685	0.60968	-0.17902	0.0001	-0.22916	5.57E-07	-0.12732
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-0.12633	0.00626	-0.06934	0.13459	0.01741	0.70747	0.078568	0.0899	0.025856
-0.19981	1.36E-05	-0.3369	7.39E-14	-0.1339	0.00374	-0.15112	0.00105	-0.16672
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0.160481	0.0005	0.072159	0.11942	-0.00304	0.94771	-0.16476	0.00035	-0.07025
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0.109134	0.01832	0.031956	0.49089	0.053383	0.24959	0.128012	0.0056	0.086078
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-0.05533	0.23275	0.050246	0.27855	0.074668	0.10707	0.132319	0.00418	0.045814
-0.35228	4.32E-15	-0.17085	0.00021	-0.12604	0.00638	0.008286	0.85827	-0.12228
-0.11049	0.01692	-0.06405	0.16704	0.149474	0.0012	0.22442	9.61E-07	0.116204
0.112096	0.01537	0.102906	0.02616	0.270116	2.99E-09	0.453977	4.01E-25	0.10697
0.091265	0.04872	-0.14286	0.00197	0.141784	0.00213	0.222625	1.18E-06	-0.00131
0.166504	0.0003	0.365801	3.12E-16	-0.02234	0.63006	0.027235	0.55715	-0.00208
0.144084	0.0018	0.114849	0.01301	-0.1266	0.00615	-0.11731	0.01118	-0.09054
-0.13614	0.0032	-0.16301	0.0004	-0.03795	0.41327	-0.02815	0.54395	-0.07026
-0.05226	0.2597	-0.09849	0.03336	-0.25541	2.17E-08	-0.25635	1.92E-08	-0.27052
-0.10684	0.02093	-0.18259	7.23E-05	-0.32115	1.15E-12	-0.41336	1.07E-20	-0.24349
0.347804	1.00E-14	0.152301	0.00096	-0.28367	4.31E-10	-0.16501	0.00034	-0.26474
0.009111	0.84432	0.05618	0.2256	0.239096	1.70E-07	0.230992	4.49E-07	0.254
0.053888	0.24513	0.068638	0.13859	0.222344	1.22E-06	0.221003	1.42E-06	0.263911
-0.02608	0.57397	-0.00149	0.97441	0.196034	1.99E-05	0.188791	4.03E-05	0.184322
-0.10398	0.02463	-0.20193	1.10E-05	-0.1259	0.00644	0.052752	0.25524	-0.21753
-0.22201	1.26E-06	-0.19936	1.42E-05	-0.07728	0.09531	-0.0829	0.0735	-0.10532
-0.0655	0.15758	-0.03919	0.3981	0.028467	0.53944	0.064402	0.1647	-0.02375
0.263536	7.37E-09	0.177509	0.00012	0.292717	1.11E-10	0.179104	9.96E-05	0.276502
-0.17669	0.00012	-0.13402	0.00371	0.141627	0.00216	0.176809	0.00012	0.086365
-0.2218	1.29E-06	-0.0824	0.07523	-0.00564	0.90322	0.171518	0.0002	-0.01281
-0.37393	6.04E-17	-0.36844	1.84E-16	-0.19196	2.96E-05	-0.09816	0.03395	-0.22221
-0.01649	0.72233	-0.04926	0.28807	-0.18355	6.61E-05	-0.14301	0.00195	-0.21673
-0.2275	6.75E-07	-0.17979	9.36E-05	-0.01297	0.77989	0.116569	0.0117	-0.05573
-0.19245	2.83E-05	-0.09152	0.0481	0.008545	0.85389	0.127458	0.00581	-0.02091
-0.05318	0.25139	-0.03964	0.3927	0.002905	0.95008	0.080676	0.08158	0.014892
0.021502	0.64302	0.026783	0.56371	0.259768	1.22E-08	0.230885	4.55E-07	0.221852
0.393878	8.81E-19	0.157464	0.00064	0.325025	5.96E-13	0.207939	5.87E-06	0.176683
-0.08872	0.05537	-0.03011	0.51622	0.053449	0.24901	0.099168	0.03215	0.045848
-0.25515	2.25E-08	-0.21455	2.89E-06	-0.10125	0.02868	-3.76E-06	0.99994	-0.09636
-0.09057	0.05047	-0.13558	0.00333	0.087326	0.05934	0.088156	0.05695	0.09199
-0.32438	6.65E-13	-0.22792	6.43E-07	-0.20338	9.43E-06	-0.08345	0.07159	-0.18298
-0.12836	0.00547	-0.1338	0.00377	0.071947	0.12051	0.039966	0.38885	0.091053
-0.19364	2.52E-05	-0.14492	0.00169	-0.0043	0.92621	0.03879	0.40297	-0.06434
-0.18235	7.39E-05	-0.06464	0.16311	0.002109	0.96375	0.083565	0.0712	0.009319
-0.13664	0.00309	-0.24187	1.21E-07	0.108196	0.01935	-0.00981	0.83258	0.101194
-0.06276	0.17574	0.045745	0.32392	0.30523	1.58E-11	0.238195	1.90E-07	0.323933
0.00522	0.91042	-0.04563	0.32519	0.163545	0.00039	0.107285	0.0204	0.095426
-0.15905	0.00056	-0.09994	0.03083	-0.08275	0.074	-0.0032	0.94508	-0.08343
-0.20884	5.33E-06	-0.19776	1.67E-05	0.058208	0.20927	0.047908	0.30155	0.018299
0.252192	3.30E-08	0.239313	1.66E-07	0.151033	0.00106	0.164607	0.00035	-0.01028

-0.20191	1.10E-05	-0.11307	0.01449	0.013203	0.77598	0.074259	0.10901	0.074029
0.264204	6.73E-09	0.302339	2.51E-11	0.151007	0.00106	0.206983	6.49E-06	0.041159
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-0.04926	0.2881	-0.19962	1.39E-05	0.151849	0.001	0.209167	5.15E-06	0.010219
-0.28462	3.74E-10	-0.18904	3.93E-05	-0.18182	7.76E-05	-0.1202	0.00932	-0.06186
-0.15613	0.00071	-0.32963	2.68E-13	0.024244	0.60126	-0.08212	0.07626	-0.01126
-0.06197	0.18129	-0.04554	0.32609	0.187912	4.38E-05	0.192657	2.77E-05	0.193535
-0.12066	0.00905	-0.10943	0.018	0.097261	0.03563	0.182	7.63E-05	-0.00597
0.063456	0.171	0.198568	1.54E-05	0.276932	1.14E-09	0.33287	1.52E-13	0.224124
-0.29202	1.24E-10	-0.23689	2.23E-07	0.006264	0.89261	0.078182	0.09149	-0.04557
-0.16025	0.00051	-0.14472	0.00171	0.007501	0.87157	0.050741	0.27383	-0.00678
-0.08188	0.07713	-0.0299	0.51919	0.193947	2.44E-05	0.137005	0.00301	0.293922
-0.13751	0.0029	-0.11083	0.01657	-0.05988	0.19649	-0.05388	0.24517	0.013636
0.017426	0.70722	0.042642	0.35786	0.191001	3.26E-05	0.214815	2.81E-06	0.187969
0.091049	0.04925	0.033575	0.46918	-0.0755	0.10322	-0.15008	0.00114	-0.10575
-0.23097	4.51E-07	-0.16014	0.00051	0.150797	0.00108	0.212603	3.57E-06	0.066825
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0.309832	7.55E-12	0.473483	1.81E-27	0.219362	1.70E-06	0.259499	1.27E-08	0.310128
-0.08967	0.05281	-0.0258	0.5781	0.075738	0.10212	0.129965	0.00491	0.092451
-0.00927	0.84163	0.076243	0.09985	0.150731	0.00109	0.138225	0.00276	0.207661
0.110033	0.01737	0.055639	0.23011	0.428245	2.99E-22	0.486191	4.44E-29	0.317967
-0.06515	0.15985	0.034539	0.4565	0.025521	0.58224	0.124527	0.00705	0.263734
-0.15475	0.00079	-0.11564	0.0124	0.069097	0.13596	0.077636	0.09379	0.115947
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-0.08513	0.06605	-0.08352	0.07134	0.129267	0.00515	0.128464	0.00543	0.160008
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-0.10435	0.02412	-0.14349	0.00188	0.114899	0.01297	0.135608	0.00332	0.056684
-0.13516	0.00343	-0.07105	0.12524	0.043837	0.34454	0.240605	1.42E-07	0.006756
0.008585	0.8532	0.150825	0.00108	0.259393	1.28E-08	0.368965	1.66E-16	0.287412
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0.002492	0.95717	0.09404	0.04223	0.074375	0.10846	0.210734	4.36E-06	0.080391
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0.389291	2.39E-18	-0.16191	0.00044	-0.17145	0.0002	-0.29409	9.04E-11	-0.20612
-0.13002	0.00489	-0.05181	0.2638	0.067113	0.1476	0.132167	0.00422	0.044325
-0.04419	0.34065	0.073171	0.11431	0.192965	2.69E-05	0.214268	2.98E-06	0.218024
-0.03307	0.47592	0.096282	0.03753	0.178172	0.00011	0.304473	1.79E-11	0.178722
-0.19228	2.88E-05	-0.1471	0.00143	-0.07991	0.08451	-0.0126	0.786	-0.03518
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-0.36647	2.73E-16	-0.38609	4.75E-18	-0.27292	2.02E-09	-0.21759	2.07E-06	-0.32723
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0.027897	0.5476	0.00059	0.98986	0.0563	0.22462	-0.03491	0.45167	0.13197
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0.028619	0.53728	-0.01707	0.71292	0.110623	0.01678	0.049542	0.28534	0.145632
0.021265	0.64669	0.07308	0.11476	0.120941	0.00889	0.092584	0.04553	0.136875
0.008368	0.85688	0.010447	0.82185	0.147007	0.00144	0.063994	0.1674	0.192749
0.099055	0.03235	-0.03942	0.39542	0.087889	0.05771	0.058954	0.20348	0.049111
0.00357	0.93866	-0.00909	0.84472	-0.01939	0.67601	-0.03197	0.49066	-0.01862
0.003434	0.94099	-0.02662	0.56611	0.055156	0.23419	0.003136	0.94612	0.083546
0.035129	0.44885	-0.0409	0.37784	0.068265	0.14076	0.091659	0.04775	0.093286
0.00582	0.90018	-0.03815	0.41079	0.035068	0.44964	0.000339	0.99416	0.071413
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-0.00382	0.93435	-0.04621	0.31899	0.104825	0.02348	-0.0101	0.82768	0.148393
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0.029816	0.52039	0.007805	0.86641	0.093295	0.04389	-0.00966	0.83511	0.131886
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0.096989	0.03615	0.069399	0.13426	0.101285	0.02863	0.089087	0.05437	0.095618
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0.014544	0.75392	0.014677	0.75174	0.109288	0.01815	0.04377	0.34527	0.112924
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0.057292	0.21654	-0.08264	0.07439	0.195596	2.07E-05	0.043363	0.34978	0.16482
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0.038534	0.40609	-0.01075	0.8168	0.037306	0.42122	0.012208	0.79245	0.052521
0.097054	0.03602	0.105721	0.02232	0.175501	0.00014	0.124239	0.00719	0.135475
0.107674	0.01994	0.071821	0.12116	0.096957	0.03621	0.044207	0.34048	0.109154
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0.030218	0.51478	0.025754	0.57879	0.138009	0.0028	0.069306	0.13479	0.159721
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0.020531	0.6581	0.091935	0.04708	0.116491	0.01176	0.111967	0.01549	0.120158
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0.014246	0.75881	-0.00207	0.96438	0.148173	0.00132	0.05591	0.22784	0.171639
0.012946	0.78022	0.004646	0.92023	0.092451	0.04585	0.046636	0.31458	0.088612
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0.071944	0.12052	0.009819	0.8324	0.119603	0.00968	0.082346	0.07544	0.158043
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0.014457	0.75534	-0.02995	0.5185	0.180544	8.73E-05	0.12309	0.00774	0.169732
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0.041032	0.37632	0.058675	0.20564	-0.00197	0.9661	0.026894	0.56209	0.031419
0.068887	0.13716	0.006505	0.8885	0.079716	0.08529	0.026818	0.5632	0.095132
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0.020544	0.65789	-0.00483	0.91701	0.072307	0.11866	0.02048	0.6589	0.129041
0.004751	0.91845	-0.07002	0.13081	-0.02064	0.65648	-0.04215	0.36341	0.072811
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0.033946	0.46427	0.001961	0.96628	0.033404	0.47144	-0.01297	0.77979	0.089038
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0.030687	0.50828	-0.01546	0.7389	0.081296	0.07926	0.039855	0.39017	0.114379
0.006979	0.88044	0.003398	0.94161	0.05135	0.26811	0.018948	0.68298	0.060523
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-0.02978	0.52092	-0.09168	0.04769	-0.00274	0.95287	-0.07483	0.10629	0.076234
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0.004008	0.93117	-0.0147	0.75138	0.077982	0.09232	0.016648	0.71972	0.118976
0.035762	0.44071	-0.01612	0.7283	0.089714	0.05269	0.008425	0.85592	0.147846
0.025145	0.58781	-0.03222	0.4873	0.085813	0.0639	0.038127	0.41106	0.130818
0.018564	0.68907	-0.02196	0.63596	0.107351	0.02032	0.024384	0.59916	0.130576
-0.00778	0.86682	-0.02751	0.55323	0.115717	0.01234	0.03413	0.46185	0.153057
-0.06517	0.15971	-0.07752	0.09428	0.113712	0.01394	0.007872	0.86527	0.194652
0.077728	0.0934	0.03207	0.48934	0.034535	0.45655	0.007469	0.87211	0.116607
0.081481	0.07857	-0.00052	0.9911	0.105417	0.02271	0.062978	0.17425	0.149295
0.004302	0.92612	0.012067	0.79481	0.050804	0.27324	0.02532	0.58521	0.055496
0.042527	0.35916	0.004563	0.92165	0.014619	0.7527	-0.01644	0.72301	0.081297
0.065288	0.15895	-0.01485	0.74898	0.061824	0.18229	0.005416	0.90708	0.125975
0.086769	0.06098	0.001328	0.97716	0.076604	0.09825	0.013568	0.76996	0.144668
-0.05983	0.19686	-0.08967	0.0528	0.053372	0.24969	-0.04283	0.35573	0.021339
0.052976	0.25323	-0.04553	0.32616	0.037324	0.421	-0.02966	0.52264	0.113586
0.030808	0.5066	-0.01055	0.8201	0.050913	0.2722	-0.01471	0.75122	0.11977
-0.00337	0.94218	0.001035	0.9822	0.070257	0.1295	0.087678	0.05832	0.091054

-0.00214	0.96325	-0.01726	0.7099	-0.02229	0.63084	-0.05958	0.19872	0.02923
0.015253	0.74233	-0.04209	0.36416	0.031158	0.50178	-0.00897	0.84666	0.055636
0.011123	0.81054	0.034753	0.45371	0.1347	0.00354	0.093984	0.04235	0.135141
-0.00085	0.98539	-0.01961	0.6725	0.049116	0.28951	0.012985	0.77958	0.058981
-0.00401	0.93116	-0.01778	0.70158	0.089056	0.05446	0.043252	0.35102	0.09146
-0.02184	0.63784	0.008458	0.85535	0.074046	0.11003	0.020823	0.65356	0.111227
-0.05497	0.23575	-0.0283	0.5418	0.070996	0.12551	0.087402	0.05912	0.058003
-0.01859	0.68867	-0.03912	0.39897	0.006078	0.89578	-0.05566	0.22993	0.048815
-0.0212	0.64772	-0.03107	0.50306	0.060392	0.19265	0.010968	0.81312	0.109241
0.006299	0.89201	-0.0268	0.56351	0.073779	0.11132	-0.00106	0.98177	0.134788
0.014541	0.75396	-0.06766	0.1443	0.056689	0.22142	-0.00346	0.94058	0.034066
-0.01962	0.67238	-0.03947	0.39477	0.073441	0.11297	0.00596	0.89778	0.127497
0.047265	0.30809	0.00858	0.85329	0.101002	0.02908	0.050085	0.28009	0.130617
0.032391	0.48501	-0.03294	0.47757	0.063682	0.16948	0.010367	0.8232	0.096633
0.029815	0.52041	-0.0185	0.69007	0.068393	0.14001	0.038556	0.40582	0.069303
0.065393	0.15828	0.035974	0.438	0.101491	0.02831	0.027457	0.55393	0.151847
-0.03676	0.42801	-0.03383	0.46578	0.038353	0.40829	-0.00652	0.88828	0.068571
0.05133	0.26829	0.053556	0.24806	0.143124	0.00193	0.217301	2.14E-06	0.136821
0.008601	0.85293	-0.01087	0.8147	0.141481	0.00218	0.044716	0.33494	0.180111
0.057486	0.21499	0.040962	0.37713	0.024961	0.59055	0.006603	0.88684	0.123583
0.002505	0.95694	-0.03254	0.48293	0.078543	0.09	0.030215	0.51483	0.122352
-0.01451	0.75453	-0.06837	0.14015	0.076012	0.10088	-0.00752	0.87123	0.134828
-0.00082	0.98585	-0.02863	0.5371	0.098394	0.03352	0.018712	0.6867	0.145158
-0.00495	0.91504	0.02097	0.65126	0.150474	0.00111	0.100147	0.03048	0.104457
-0.03412	0.46203	-0.05224	0.2599	0.006469	0.88912	-0.01359	0.76956	0.060715
0.028331	0.54139	0.022721	0.6243	0.109781	0.01763	0.049973	0.28117	0.097348
0.080947	0.08056	0.124181	0.00721	0.148359	0.0013	0.137831	0.00284	0.146875
0.031025	0.50361	0.006328	0.89152	0.118176	0.01059	0.039751	0.39141	0.161833
0.041664	0.369	-0.01533	0.74116	0.022934	0.62106	-0.04694	0.31148	0.004306
-0.01328	0.77473	-0.0297	0.52204	0.036654	0.42939	0.000621	0.98933	0.076668
0.079263	0.08708	0.013489	0.77125	0.119109	0.00999	0.039429	0.39526	0.177865
-0.02177	0.63896	-0.04323	0.35126	0.042746	0.35669	-0.01084	0.81524	0.081273
-0.01409	0.76139	-0.03339	0.47167	0.038043	0.4121	-0.03517	0.4483	0.0983
0.070292	0.12931	-0.04463	0.33585	0.026868	0.56248	-0.01618	0.7273	0.013123
0.137307	0.00295	0.018079	0.69678	0.097336	0.03548	0.015413	0.73973	0.142504
-0.05825	0.20896	-0.04756	0.30503	-0.02972	0.52173	-0.05386	0.2454	-0.02293
-0.00459	0.92121	-0.08038	0.08271	0.002842	0.95115	-0.017	0.714	0.000144
0.100359	0.03013	0.107534	0.02011	0.254673	2.39E-08	0.154201	0.00083	0.285243
0.031126	0.50222	0.03155	0.49641	0.1264	0.00623	0.060488	0.19195	0.149648
-0.00747	0.87214	-0.01599	0.73037	-0.01688	0.71593	-0.01526	0.74224	-0.00309
0.012698	0.78434	0.041353	0.37259	0.033334	0.47238	0.051361	0.268	0.059306
0.025367	0.58451	-0.01171	0.80075	0.064072	0.16688	0.017667	0.70336	0.107638
0.097362	0.03543	0.031136	0.50208	0.009521	0.83742	0.051117	0.27029	0.010689
0.028356	0.54102	-0.0559	0.22791	-0.00657	0.88742	0.002975	0.94887	-0.02492
-0.02278	0.62345	-0.01194	0.79687	-0.02456	0.59652	-0.03274	0.48025	0.03348

-0.02627	0.57114	-0.05258	0.25679	-0.0367	0.42887	-0.01145	0.80505	0.000333
-0.01938	0.6762	-0.06189	0.18184	-0.01476	0.75033	-0.01875	0.68604	0.01284
-0.05065	0.27472	-0.04086	0.37834	-0.03771	0.41616	-0.03573	0.44116	0.012899
-0.04551	0.32642	-0.06294	0.17448	-0.01705	0.71321	-0.01759	0.70459	0.013441
-0.10205	0.02744	-0.06365	0.16967	-0.09109	0.04915	-0.02883	0.53433	-0.08363
0.041041	0.37621	0.12658	0.00616	-0.01269	0.78446	0.024825	0.59257	0.042252
-0.0425	0.35941	-0.05864	0.2059	-0.06955	0.13339	-0.07023	0.12963	-0.03498
-0.11001	0.01739	-0.22109	1.40E-06	-0.05509	0.23473	-0.08551	0.06484	-0.05271
-0.02047	0.65901	-0.09012	0.05161	0.014641	0.75233	-0.03406	0.46273	0.072076
-0.04243	0.36022	-0.08726	0.05954	-0.01763	0.70393	-0.03078	0.50697	0.027748
0.045449	0.32707	0.073956	0.11046	0.045053	0.3313	0.075285	0.10419	0.055155
-0.02853	0.53859	-0.06929	0.1349	-0.04606	0.32061	-0.02903	0.53143	-0.01712
0.099664	0.03129	0.077414	0.09473	0.176203	0.00013	0.131327	0.00447	0.22173
-0.09609	0.03792	-0.0117	0.80083	-0.00657	0.88744	-0.02895	0.53257	0.074118
0.005949	0.89798	-0.01756	0.70509	0.034909	0.45169	0.000934	0.98394	0.073711
-0.03811	0.41129	-0.04335	0.34997	0.011109	0.81078	-0.01398	0.76317	0.04771
-0.0029	0.95012	-0.05248	0.25767	-0.00113	0.98061	-0.02543	0.58352	0.024414
-0.02886	0.53382	-0.01208	0.79463	-0.07869	0.0894	-0.06207	0.18057	0.023236
-0.00102	0.98244	-0.03609	0.43658	0.045851	0.3228	0.005676	0.90263	0.087689
-0.03975	0.39148	0.05698	0.21905	-0.01447	0.75517	0.004291	0.92632	0.062394
0.077149	0.09587	0.068164	0.14135	0.111112	0.0163	0.066095	0.15385	0.166242
0.049487	0.28587	-0.03558	0.44301	0.084771	0.0672	0.029234	0.52856	0.084469
0.034784	0.45331	-0.01181	0.79905	0.09225	0.04632	0.013413	0.77252	0.029182
-0.00714	0.87776	-0.04921	0.28854	0.020989	0.65098	-0.01934	0.67681	0.070607
0.023761	0.60853	-0.02241	0.62901	0.000236	0.99595	0.008891	0.84804	0.041712
-0.02436	0.59955	-0.04922	0.28851	0.041661	0.36903	0.013719	0.76746	0.073098
-0.05832	0.20838	-0.1003	0.03022	-0.09283	0.04496	-0.07439	0.1084	-0.04657
0.008644	0.85221	-0.02535	0.58471	0.019702	0.67109	-0.00381	0.93453	0.049797
0.014382	0.75657	0.049155	0.28912	-0.0408	0.37901	-0.00843	0.85586	0.008776
-0.07302	0.11506	-0.06319	0.17283	-0.20192	1.10E-05	-0.07321	0.11412	-0.08827
-0.03708	0.4241	-0.02223	0.63189	-0.12825	0.00551	-0.06658	0.15082	-0.08361
0.063829	0.16849	-0.05453	0.23959	-0.06692	0.14876	-0.02358	0.61127	-0.04528
0.014582	0.7533	-0.05734	0.21613	-0.05377	0.24617	0.015216	0.74295	-0.01556
0.017189	0.71101	0.003867	0.93357	0.014147	0.76044	0.017746	0.70209	0.042397
0.028477	0.5393	0.049952	0.28137	0.074215	0.10922	0.042667	0.35757	0.10937
-0.05461	0.23887	-0.06953	0.13353	-0.01474	0.75065	-0.0326	0.48215	0.010211
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-0.02342	0.61362	-0.04584	0.32291	-0.00488	0.91626	-0.01287	0.78155	0.038372
-0.03313	0.47502	-0.03302	0.47661	0.023907	0.60632	0.004153	0.92868	0.043956
0.005943	0.89808	-0.00782	0.86613	-0.00923	0.8423	-0.00169	0.97088	0.044728
0.009219	0.84251	0.014252	0.7587	0.011084	0.81118	0.003022	0.94807	0.032379
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-0.02095	0.65157	0.056357	0.22414	-0.00945	0.83862	0.012557	0.78666	0.027447
-0.11063	0.01677	-0.11198	0.01547	-0.04283	0.35574	-0.05034	0.27764	0.029388
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-0.02371	0.60925	0.004701	0.9193	-0.00799	0.86327	-0.0433	0.35047	-0.01196
-0.03677	0.42791	-0.00878	0.84983	0.008524	0.85424	0.036707	0.42871	0.03381
-0.0623	0.17894	-0.02166	0.64058	-0.13141	0.00445	-0.08005	0.08398	-0.12248
-0.11602	0.01211	-0.1075	0.02015	-0.17344	0.00017	-0.14164	0.00215	-0.15775
-0.01794	0.69907	-0.02519	0.58715	0.000413	0.9929	-0.01851	0.68993	-0.00698
0.126324	0.00627	0.077542	0.09418	0.102329	0.02702	0.091425	0.04832	0.073941
-0.10802	0.01954	-0.09431	0.04164	-0.03267	0.48119	-0.01313	0.77722	0.018069
-0.0416	0.3698	-0.01675	0.71811	-0.01548	0.73869	-0.01779	0.70135	0.029209
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0.035993	0.43776	-0.1056	0.02247	-0.01935	0.67664	-0.01824	0.69426	-0.02109
0.078274	0.09111	0.125254	0.00672	0.074714	0.10685	0.063577	0.17019	0.166307
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-0.06203	0.18082	-0.01909	0.68077	0.03092	0.50506	0.027885	0.54777	0.038669
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0.058317	0.20842	0.065888	0.15515	0.032933	0.47772	0.033119	0.47524	0.041305
0.017711	0.70266	-0.00929	0.84134	0.006182	0.89401	0.003836	0.93411	-0.02151
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0.096102	0.03789	-0.05784	0.21214	0.044769	0.33437	5.24E-05	0.9991	0.032844
0.07641	0.0991	0.014759	0.75041	0.139432	0.00253	0.043583	0.34734	0.173317
0.025507	0.58244	-0.03036	0.51281	0.032943	0.47759	0.015887	0.73203	0.055024
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0.041585	0.36991	0.004874	0.91634	0.044146	0.34114	-0.02334	0.61494	0.083026
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-0.03204	0.4898	-0.01044	0.82193	-0.01793	0.69915	-0.02104	0.65023	0.003727
-0.10624	0.02167	-0.02342	0.61365	-0.12456	0.00704	-0.04334	0.35008	-0.02909
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-0.02937	0.52667	-0.07617	0.10016	-0.00814	0.86074	-0.03558	0.44308	0.032602
0.004049	0.93047	-0.01247	0.78806	0.018011	0.69786	-0.00022	0.9962	0.018248
-0.03033	0.51324	-0.08475	0.06727	-1.01E-05	0.99983	-0.04411	0.34158	0.029595
0.091623	0.04783	0.001155	0.98014	-0.00562	0.9036	0.017424	0.70724	-0.02114
-0.04504	0.33142	-0.02818	0.54352	0.066312	0.1525	0.059481	0.19946	0.061334
-0.02698	0.56077	-0.05941	0.2	0.004931	0.91536	-0.03141	0.49837	0.049214
0.009102	0.84447	-0.0322	0.48764	-0.01574	0.73444	-0.01573	0.73464	0.006636
-0.02049	0.65867	-0.0429	0.35492	0.015385	0.7402	-0.0304	0.51224	0.053485
-0.04621	0.31901	-0.02194	0.6362	-0.01212	0.79391	-0.01054	0.8203	0.024168
-0.06495	0.16113	-0.09236	0.04606	-0.07536	0.10385	-0.06801	0.14224	-0.03511
-0.04009	0.38743	-0.04894	0.29123	0.014071	0.76168	-0.02554	0.58193	0.041293
-0.05594	0.22759	-0.0283	0.54186	-0.02447	0.59786	-0.02585	0.57739	0.007585
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0.020547	0.65785	-0.02027	0.66218	0.023791	0.60808	0.007603	0.86983	0.069772
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-0.04717	0.30906	-0.02675	0.56412	-0.06945	0.13397	-0.03967	0.39241	-0.03238
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0.010451	0.82178	-0.0112	0.8093	0.035804	0.44018	0.009691	0.83455	0.067356
-0.05553	0.23099	-0.07903	0.088	0.029311	0.52749	-0.04001	0.38829	0.089356
-0.02455	0.59665	-0.02389	0.60658	0.021654	0.64069	0.000215	0.9963	0.047426
-0.02592	0.57634	-0.04601	0.32114	-0.00586	0.89955	-0.01721	0.71076	0.012541
0.007204	0.87661	0.008085	0.86167	0.023306	0.61541	-0.01645	0.7229	0.01416
0.013753	0.76691	0.057731	0.21303	0.044793	0.33411	0.038784	0.40305	0.01902
-0.00488	0.9163	-0.0106	0.81922	0.017524	0.70565	0.019048	0.68139	0.015596
0.034837	0.45262	0.014228	0.75911	0.035418	0.44512	0.02268	0.62494	0.027213
-0.052	0.26209	-0.08697	0.0604	0.01062	0.81895	-0.01225	0.79169	0.023173
0.027896	0.54762	0.028761	0.53526	-0.12695	0.00601	-0.11829	0.01051	-0.0043
-0.11331	0.01428	-0.06858	0.13892	-0.0107	0.81756	0.098166	0.03394	0.003145
-0.0228	0.62309	-0.0516	0.26578	-0.01731	0.70903	-0.01313	0.77717	-0.00101
-0.07529	0.10418	-0.05451	0.23975	-0.06973	0.13243	-0.05042	0.2769	-0.02184
-0.0917	0.04764	-0.13683	0.00305	-0.05291	0.25378	-0.05344	0.24905	0.009584
-0.04854	0.29518	0.012541	0.78694	0.029492	0.52493	0.084466	0.0682	0.018779
-0.00721	0.87656	-0.04137	0.3724	-0.00086	0.98526	-0.02436	0.59955	0.047554
-0.07134	0.12367	-0.04545	0.32705	0.0615	0.1846	0.011251	0.8084	0.037714
0.016205	0.72687	0.02545	0.58328	0.037422	0.41978	0.052256	0.25974	0.017934
0.060068	0.19505	0.004493	0.92286	-0.00521	0.91061	-0.04197	0.36548	0.091611
0.048683	0.29379	-0.00851	0.85451	0.019927	0.66754	0.024832	0.59246	0.009013
-0.03587	0.43928	-0.08195	0.07687	-0.10645	0.0214	-0.07091	0.12595	-0.065
0.005245	0.91	-0.03488	0.45203	-0.00729	0.8751	-0.04109	0.37562	0.064653
0.002271	0.96097	-0.00587	0.8993	0.067891	0.14295	0.016729	0.71841	0.104567
-0.13686	0.00304	-0.1112	0.01621	-0.21182	3.88E-06	-0.07141	0.12331	-0.1762
0.017438	0.70703	-0.00625	0.89289	0.037733	0.41592	0.036395	0.43266	0.025244
-0.00527	0.90962	-0.028	0.54609	0.009229	0.84233	0.009844	0.83198	0.04569
-0.07411	0.10975	-0.05687	0.21995	-0.03749	0.41898	-0.0259	0.57664	-0.02736
-0.05056	0.27558	-0.06538	0.15839	0.012165	0.79317	-0.01588	0.73209	0.037244
-0.029	0.53181	-0.06932	0.13473	0.009607	0.83597	0.011038	0.81195	0.029265
-0.01476	0.75031	-0.03815	0.41075	0.019646	0.67196	-0.01421	0.75933	0.045528
0.035485	0.44426	0.034233	0.46051	0.017389	0.70781	-0.01318	0.77638	0.06144
0.059856	0.19664	0.070168	0.12999	0.077523	0.09426	0.059037	0.20284	0.117124
-0.06107	0.18768	-0.04155	0.37035	-0.00736	0.87392	0.071814	0.1212	-0.02666
-0.06398	0.16748	-0.07966	0.08553	-0.02605	0.5744	-0.0563	0.22458	-0.04625
-0.07342	0.1131	-0.06959	0.1332	-0.14148	0.00218	-0.09904	0.03237	-0.05629
-0.02442	0.59861	-0.07613	0.10035	-0.04891	0.29155	-0.0557	0.22961	0.014557
-0.11596	0.01215	-0.0481	0.29966	-0.11693	0.01145	-0.04705	0.3103	-0.07077
-0.03403	0.46319	-0.07728	0.09529	-0.05024	0.27864	-0.0582	0.20933	-0.00296
-0.03493	0.45148	-0.07013	0.1302	0.010511	0.82078	-0.05163	0.26546	0.179597
0.038346	0.40838	-0.00952	0.83745	0.04673	0.31361	-0.00072	0.98769	0.08123
-0.08055	0.08205	-0.08669	0.06121	-0.07294	0.11548	-0.07186	0.12097	-0.02082
-0.04722	0.30857	-0.05784	0.2122	-0.04143	0.37173	-0.0379	0.41382	-0.01561
-0.01116	0.80994	0.016868	0.71618	-0.13937	0.00254	-0.11387	0.01381	-0.03566

-0.02562	0.58075	-0.0407	0.38017	-0.01498	0.7468	-0.01792	0.69932	0.015439
0.014448	0.75549	0.003689	0.93664	0.109204	0.01824	0.096109	0.03788	0.103757
-0.04363	0.34682	-0.09063	0.05031	-0.05222	0.26004	-0.05422	0.2422	-0.00254
0.748577	5.14E-85	0.442325	8.60E-24	0.724296	4.19E-77	0.601355	2.93E-47	0.597316
0.705126	1.96E-71	0.460621	6.63E-26	0.764992	6.73E-91	0.601094	3.29E-47	0.701807
0.745903	4.23E-84	0.558177	1.33E-39	0.627315	1.88E-52	0.57133	8.13E-42	0.553824
0.69028	2.39E-67	0.588305	7.99E-45	0.534325	7.82E-36	0.567387	3.83E-41	0.420021
0.601984	2.22E-47	0.241974	1.20E-07	0.265361	5.75E-09	0.326519	4.60E-13	0.175671
0.714286	4.38E-74	0.205943	7.23E-06	0.152792	0.00092	0.043836	0.34454	0.140439
0.68215	3.26E-65	0.241446	1.28E-07	0.443644	6.11E-24	0.235896	2.51E-07	0.309437
0.790799	#####	0.536371	3.81E-36	0.615331	5.38E-50	0.582936	7.46E-44	0.489926
0.81373	#####	0.392977	1.07E-18	0.461024	5.94E-26	0.373248	6.95E-17	0.35478
0.69953	7.28E-70	0.241088	1.33E-07	0.479775	2.94E-28	0.240336	1.46E-07	0.407725
0.77675	2.04E-95	0.738728	1.06E-81	0.546824	9.02E-38	0.611731	2.81E-49	0.493384
0.719791	9.94E-76	0.403142	1.12E-19	0.655919	8.92E-59	0.412828	1.21E-20	0.572244
0.703481	5.73E-71	0.388138	3.06E-18	0.478523	4.24E-28	0.414435	8.28E-21	0.368308
0.662991	1.90E-60	0.488075	2.53E-29	0.307723	1.06E-11	0.313981	3.83E-12	0.306103
0.475939	8.95E-28	0.138585	0.00269	0.134181	0.00367	0.062931	0.17457	0.11675
0.811427	#####	0.403753	9.75E-20	0.544454	2.13E-37	0.46183	4.76E-26	0.410734
0.572176	5.81E-42	0.554082	6.19E-39	0.395967	5.57E-19	0.483297	1.05E-28	0.394583
0.633099	1.12E-53	0.461612	5.05E-26	0.497737	1.33E-30	0.515518	4.58E-33	0.387472
0.808955	#####	0.532675	1.39E-35	0.419109	2.74E-21	0.36471	3.87E-16	0.382843
0.68269	2.36E-65	0.259533	1.26E-08	0.187164	4.70E-05	0.270968	2.65E-09	0.15977
0.645173	2.54E-56	0.351012	5.49E-15	0.290114	1.65E-10	0.269935	3.06E-09	0.219012
0.673234	5.97E-63	0.585751	2.33E-44	0.292303	1.19E-10	0.447406	2.29E-24	0.304089
0.800194	#####	0.461976	4.57E-26	0.745758	4.74E-84	0.51717	2.66E-33	0.624101
0.468757	6.92E-27	0.088755	0.05528	0.07065	0.12737	-0.08822	0.05678	0.098377
0.65706	4.83E-59	0.367919	2.04E-16	0.219021	1.77E-06	0.185236	5.65E-05	0.110846
0.636977	1.63E-54	0.205336	7.71E-06	0.299408	3.97E-11	0.150213	0.00113	0.295297
0.505583	1.13E-31	0.031961	0.49082	0.27394	1.75E-09	0.029488	0.52499	0.180649
0.431617	1.30E-22	-0.01371	0.76766	0.157852	0.00062	-0.09294	0.04471	0.142131
0.737226	3.31E-81	0.472045	2.73E-27	0.512037	1.43E-32	0.605542	4.59E-48	0.385905
0.562176	2.89E-40	0.203773	9.06E-06	0.234608	2.93E-07	0.048813	0.2925	0.250371
0.573649	3.23E-42	0.575933	1.29E-42	0.319107	1.63E-12	0.43823	2.45E-23	0.260375
0.770122	7.76E-93	0.461245	5.59E-26	0.513394	9.17E-33	0.563903	1.48E-40	0.350779
0.60245	1.81E-47	0.435491	4.91E-23	0.083816	0.07036	0.265043	6.00E-09	0.072219
0.558751	1.07E-39	0.269151	3.42E-09	0.191917	2.98E-05	0.186251	5.13E-05	0.172606
0.735907	8.89E-81	0.377776	2.74E-17	0.743751	2.26E-83	0.519174	1.37E-33	0.582913
0.774338	1.81E-94	0.325824	5.19E-13	0.520397	9.10E-34	0.277742	1.02E-09	0.440038
0.763769	1.92E-90	0.348627	8.60E-15	0.466079	1.47E-26	0.229816	5.16E-07	0.4316
0.624431	7.49E-52	0.407367	4.27E-20	0.032464	0.48401	0.127939	0.00563	0.042096
0.567716	3.37E-41	0.295645	7.12E-11	0.017124	0.71207	0.100161	0.03045	0.000508
0.735491	1.21E-80	0.613268	1.39E-49	0.720128	7.86E-76	0.587327	1.20E-44	0.65665
0.595691	3.45E-46	0.307838	1.04E-11	0.252531	3.16E-08	0.166416	0.0003	0.206976
0.571993	6.25E-42	0.044338	0.33904	0.26957	3.22E-09	-0.00254	0.95642	0.111352

0.697338	2.93E-69	0.622865	1.58E-51	0.488991	1.92E-29	0.645465	2.19E-56	0.418997
0.589473	4.89E-45	0.466484	1.31E-26	0.313161	4.38E-12	0.445274	4.00E-24	0.254239
0.719915	9.12E-76	0.570673	1.05E-41	0.424345	7.75E-22	0.404816	7.66E-20	0.366146
0.74247	6.09E-83	0.471089	3.58E-27	0.459633	8.69E-26	0.511385	1.76E-32	0.284211
0.568776	2.23E-41	0.164184	0.00037	0.10712	0.02059	0.02243	0.62876	0.013039
0.809477	#####	0.674241	3.34E-63	0.743069	3.84E-83	0.759239	8.78E-89	0.584493
0.534506	7.33E-36	0.217754	2.03E-06	0.215275	2.67E-06	0.280643	6.70E-10	0.088089
0.80965	#####	0.457585	1.52E-25	0.743279	3.26E-83	0.554093	6.17E-39	0.604492
0.764964	6.90E-91	0.464232	2.45E-26	0.517274	2.57E-33	0.421937	1.39E-21	0.455123
0.618679	1.14E-50	0.573195	3.87E-42	0.536941	3.12E-36	0.448868	1.56E-24	0.521659
0.760428	3.25E-89	0.364574	3.98E-16	0.530097	3.39E-35	0.255574	2.13E-08	0.432605
0.600607	4.07E-47	0.237622	2.04E-07	0.393841	8.89E-19	0.366306	2.82E-16	0.255045
0.72603	1.22E-77	0.402431	1.31E-19	0.591567	2.01E-45	0.478632	4.11E-28	0.503863
0.629792	5.65E-53	0.270037	3.02E-09	0.243889	9.44E-08	0.263314	7.59E-09	0.181227
0.72422	4.43E-77	0.354997	2.57E-15	0.450498	1.01E-24	0.378466	2.37E-17	0.360737
0.588303	8.00E-45	0.227801	6.52E-07	0.258037	1.54E-08	0.132541	0.00411	0.280134
0.745437	6.10E-84	0.457206	1.68E-25	0.224389	9.65E-07	0.2348	2.86E-07	0.222708
0.585005	3.17E-44	0.383316	8.57E-18	0.312777	4.67E-12	0.316229	2.64E-12	0.325779
0.720477	6.16E-76	0.361531	7.25E-16	0.21177	3.90E-06	0.231501	4.23E-07	0.184641
0.733347	5.96E-80	0.438489	2.30E-23	0.587643	1.05E-44	0.540141	1.00E-36	0.442404
0.667602	1.46E-61	0.235879	2.51E-07	0.189093	3.91E-05	0.066339	0.15233	0.111932
0.527266	8.96E-35	0.392169	1.28E-18	0.17389	0.00016	0.281738	5.72E-10	0.174234
0.808527	#####	0.482135	1.47E-28	0.491353	9.40E-30	0.378953	2.14E-17	0.460085
0.547464	7.14E-38	0.259895	1.20E-08	0.194168	2.39E-05	0.196281	1.94E-05	0.01401
0.778267	5.08E-96	0.603292	1.25E-47	0.757278	4.48E-88	0.661965	3.34E-60	0.653305
0.54712	8.09E-38	0.152491	0.00095	-0.03745	0.41941	-0.11442	0.01335	-0.0331
0.58968	4.48E-45	0.306151	1.37E-11	0.335272	9.89E-14	0.333333	1.40E-13	0.270323
0.809198	#####	0.453044	5.15E-25	0.666296	3.03E-61	0.538924	1.55E-36	0.544692
0.552368	1.17E-38	-0.0226	0.6262	0.06018	0.19422	-0.08474	0.06731	0.008338
0.626946	2.24E-52	0.054904	0.23633	0.267632	4.21E-09	-0.02009	0.66503	0.224293
0.497357	1.49E-30	0.270645	2.78E-09	0.417309	4.20E-21	0.350037	6.60E-15	0.275762
0.470934	3.74E-27	0.019316	0.67717	0.132778	0.00405	0.016948	0.71489	0.119286
0.74615	3.49E-84	0.528267	6.36E-35	0.404456	8.31E-20	0.47723	6.17E-28	0.29997
0.77615	3.52E-95	0.573802	3.04E-42	0.702523	1.06E-70	0.653072	4.08E-58	0.55301
0.657049	4.85E-59	0.235447	2.65E-07	0.377564	2.86E-17	0.282578	5.06E-10	0.309339
0.670387	3.03E-62	0.372993	7.32E-17	0.223044	1.12E-06	0.156992	0.00066	0.249106
0.724512	3.60E-77	0.465963	1.51E-26	0.466637	1.25E-26	0.56073	5.02E-40	0.330728
0.843562	#####	0.587417	1.16E-44	0.63568	3.11E-54	0.546514	1.01E-37	0.568602
0.846528	#####	0.553866	6.71E-39	0.689387	4.14E-67	0.530374	3.08E-35	0.593447
0.789441	#####	0.681702	4.26E-65	0.564453	1.20E-40	0.527786	7.50E-35	0.438594
0.812731	#####	0.619223	8.80E-51	0.721116	3.94E-76	0.737153	3.49E-81	0.571759
0.753664	8.67E-87	0.481909	1.58E-28	0.554073	6.21E-39	0.456445	2.07E-25	0.425287
0.694389	1.87E-68	0.409483	2.63E-20	0.528729	5.43E-35	0.545778	1.32E-37	0.410425
0.679725	1.37E-64	0.351464	5.04E-15	0.256063	1.99E-08	0.251818	3.46E-08	0.140029
0.744729	1.06E-83	0.487517	2.98E-29	0.533224	1.15E-35	0.361215	7.71E-16	0.459712



0.815933	#####	0.564541	1.16E-40	0.59033	3.40E-45	0.541839	5.47E-37	0.502461
0.782948	6.52E-98	0.591404	2.16E-45	0.666864	2.21E-61	0.663173	1.72E-60	0.5422
0.689165	4.74E-67	0.437701	2.81E-23	0.423739	8.98E-22	0.360429	8.99E-16	0.45424
0.802066	#####	0.354279	2.95E-15	0.405256	6.93E-20	0.349145	7.80E-15	0.351822
0.624079	8.86E-52	0.233158	3.48E-07	0.383168	8.84E-18	0.127996	0.00561	0.330726
0.807004	#####	0.562006	3.08E-40	0.748582	5.12E-85	0.627458	1.75E-52	0.646816
0.560883	4.74E-40	0.117173	0.01127	0.138861	0.00264	0.158242	0.0006	0.112863
0.727889	3.21E-78	0.385363	5.55E-18	0.39268	1.15E-18	0.392829	1.11E-18	0.320439
0.68433	8.87E-66	0.488566	2.18E-29	0.235435	2.65E-07	0.274157	1.70E-09	0.232657

p.MMplur	MMroyalb	p.MMroya	MMsiennap	MMsien	MMivory	p.MMivor	MMfloralvp	MMflor
2.27E-07	0.323919	7.20E-13	0.112281	0.0152	0.175774	0.00013	0.152192	0.00097
0.45207	-0.00642	0.8899	0.046716	0.31375	0.038012	0.41248	-0.14863	0.00128
0.28511	0.007668	0.86873	0.07255	0.11742	0.095105	0.03994	-0.02173	0.63955
0.58413	0.031708	0.49426	0.024339	0.59983	0.028771	0.53511	-0.01036	0.82331
0.71183	0.083064	0.07292	0.084014	0.06969	0.120332	0.00924	0.037731	0.41595
0.3525	0.107034	0.0207	0.057027	0.21867	0.065702	0.15632	0.028671	0.53654
0.00354	0.153271	0.00089	0.102021	0.02749	0.072222	0.1191	0.10582	0.02219
0.93205	0.124666	0.00699	0.0884	0.05627	0.063507	0.17065	-0.05811	0.21001
0.77695	0.065309	0.15882	0.038534	0.40608	0.090287	0.05119	-0.05628	0.22477
0.98952	0.088018	0.05735	0.040059	0.38774	0.188518	4.14E-05	-0.09208	0.04672
0.55939	0.098269	0.03375	0.122473	0.00806	0.130173	0.00484	0.103517	0.02528
0.08862	0.122892	0.00784	0.048791	0.29271	0.21127	4.12E-06	-0.02425	0.60116
0.7079	0.026459	0.56845	0.123978	0.00731	0.048619	0.29442	-0.14378	0.00184
0.01568	0.152139	0.00097	0.089979	0.05199	0.084874	0.06687	0.063947	0.16771
0.87146	0.051485	0.26685	0.192994	2.68E-05	0.101596	0.02814	-0.05047	0.27636
0.80443	0.055884	0.22806	0.081155	0.07978	0.103187	0.02576	-0.09232	0.04615
0.99575	0.029796	0.52067	0.228613	5.93E-07	0.076765	0.09754	-0.11037	0.01703
0.17315	0.123661	0.00746	0.1298	0.00496	0.156609	0.00068	0.132123	0.00424
0.71355	0.08186	0.07719	0.042732	0.35684	-0.00126	0.97839	-0.07464	0.10718
0.9372	0.049488	0.28587	0.142981	0.00195	0.048489	0.29572	-0.09449	0.04124
0.03369	0.171383	0.0002	0.106535	0.0213	0.0713	0.1239	0.027194	0.55774
0.05137	-0.03987	0.38999	0.042152	0.36342	0.060667	0.19063	0.061208	0.1867
0.00414	0.194207	2.38E-05	0.099316	0.03189	0.086474	0.06187	0.051198	0.26952
0.29435	0.117476	0.01106	0.074846	0.10623	0.054373	0.24091	0.02014	0.6642
0.85432	0.017308	0.7091	0.031388	0.49863	0.235768	2.55E-07	-0.02522	0.58673
0.09878	0.130511	0.00473	0.230809	4.59E-07	0.040216	0.38589	-0.04042	0.38344
0.91972	0.021779	0.63875	0.095908	0.03828	0.100843	0.02934	-7.35E-05	0.99874
0.22695	0.170872	0.00021	0.052958	0.25338	0.287924	2.30E-10	-0.07777	0.0932
0.65308	0.048573	0.29488	0.101958	0.02758	0.096985	0.03615	-0.05412	0.24309
0.00461	-0.10103	0.02903	0.084333	0.06864	0.071183	0.12451	-0.0511	0.27045
0.27758	-0.04495	0.33245	0.073842	0.11102	0.047407	0.30664	-0.11277	0.01476
0.06294	0.137447	0.00292	0.03339	0.47163	0.079477	0.08623	-0.12282	0.00788
0.99851	0.053295	0.25038	0.25758	1.63E-08	0.039926	0.38932	-0.12623	0.00631
0.28386	-0.03018	0.51535	-0.01772	0.70249	-0.02623	0.57178	-0.04574	0.324
0.10957	0.154081	0.00084	0.135162	0.00343	0.17319	0.00017	0.047138	0.3094
0.16778	-0.06727	0.14663	0.023266	0.61601	0.014819	0.74942	-0.08821	0.0568
0.14382	0.099367	0.0318	0.393187	1.03E-18	0.141394	0.00219	0.020631	0.65654
0.44871	-0.02135	0.64537	0.012415	0.78901	0.052392	0.2585	0.005017	0.91389
0.69235	-0.04818	0.29881	0.015167	0.74374	0.147319	0.00141	0.005602	0.9039
0.0019	0.202682	1.01E-05	0.162873	0.00041	0.068218	0.14103	0.013119	0.77737
0.51866	-0.02308	0.61888	0.322149	9.74E-13	0.076451	0.09892	-0.12308	0.00775
0.9109	0.089986	0.05197	0.03086	0.50588	0.069715	0.13249	-0.15467	0.0008
7.02E-24	0.48472	6.87E-29	0.073921	0.11064	0.02884	0.53415	0.163137	0.0004
1.36E-25	0.546571	9.89E-38	0.060733	0.19015	0.015224	0.74282	0.045867	0.32263

0.00668	0.08622	0.06265	0.039397	0.39564	-0.0515	0.26668	0.002195	0.96227
0.36236	0.101562	0.02819	-0.04413	0.34127	-0.03094	0.50477	-0.22695	7.19E-07
0.00241	0.207618	6.07E-06	0.041649	0.36917	0.053562	0.24801	-0.03729	0.42136
8.42E-09	0.331172	2.05E-13	0.002579	0.95567	0.095255	0.03963	0.091997	0.04693
5.03E-06	0.275938	1.32E-09	0.095066	0.04002	0.111143	0.01627	0.003542	0.93915
0.00015	0.149927	0.00116	-0.02398	0.60519	0.017863	0.70023	-0.11959	0.00969
5.67E-16	0.503253	2.37E-31	0.055387	0.23223	0.028641	0.53696	0.174932	0.00014
3.34E-09	0.291032	1.44E-10	0.061388	0.1854	0.059001	0.20312	0.100532	0.02984
5.81E-06	0.24894	5.00E-08	0.118619	0.0103	0.11973	0.0096	-0.0319	0.49162
8.73E-08	0.241602	1.25E-07	-0.10015	0.03047	-0.02682	0.56311	0.158488	0.00059
1.93E-16	0.38178	1.18E-17	0.046124	0.31993	0.147891	0.00135	0.141577	0.00216
1.25E-08	0.254815	2.35E-08	-0.11735	0.01115	-0.01582	0.73319	-0.07916	0.08749
2.29E-35	0.70327	6.57E-71	0.013255	0.77511	0.107599	0.02003	0.195721	2.05E-05
9.54E-21	0.309212	8.35E-12	-0.06842	0.13984	-0.02025	0.66244	0.121416	0.00863
2.15E-18	0.543516	2.99E-37	0.004131	0.92906	0.12311	0.00773	0.139543	0.00251
5.45E-07	0.221111	1.40E-06	-0.03433	0.4592	0.035877	0.43923	0.186421	5.05E-05
0.59998	0.109284	0.01816	-0.00356	0.93888	0.024491	0.59755	-0.07028	0.12935
4.71E-43	0.778439	4.34E-96	0.061886	0.18186	0.162583	0.00042	0.183912	6.39E-05
0.00048	0.227477	6.77E-07	-0.01653	0.7217	0.028073	0.54507	-0.0981	0.03406
0.0218	-0.05501	0.23542	0.048724	0.29338	0.030457	0.51146	0.015742	0.73439
6.81E-44	0.690829	1.71E-67	0.046625	0.3147	0.134774	0.00352	0.279474	7.94E-10
1.61E-06	0.173331	0.00017	-0.0829	0.0735	-0.10314	0.02583	0.057721	0.21311
1.09E-16	0.408769	3.10E-20	0.090185	0.05146	0.047355	0.30717	0.01183	0.79874
0.01209	-0.14815	0.00132	0.108723	0.01876	0.009152	0.84364	0.045178	0.32996
9.46E-15	0.558876	1.02E-39	0.012843	0.78193	0.200337	1.29E-05	0.032707	0.48075
1.95E-07	0.390822	1.72E-18	0.061931	0.18154	0.133514	0.00385	-0.0219	0.63688
0.00144	0.144744	0.00171	0.011299	0.8076	0.012754	0.78339	-0.06887	0.13728
3.34E-07	0.344557	1.83E-14	-0.0079	0.86487	0.105673	0.02238	0.139389	0.00254
1.14E-19	0.595287	4.10E-46	0.035728	0.44114	0.101591	0.02815	0.053006	0.25295
0.00114	0.239842	1.56E-07	-0.08836	0.05637	0.112449	0.01505	-0.05578	0.22889
3.88E-05	0.366959	2.48E-16	0.093536	0.04335	0.013741	0.7671	-0.06936	0.13448
4.81E-25	0.490904	1.08E-29	0.02356	0.61157	0.063484	0.17081	0.19996	1.34E-05
2.77E-17	0.517634	2.28E-33	0.038683	0.40427	0.056448	0.22339	0.142067	0.00209
6.38E-15	-0.35137	5.13E-15	-0.05685	0.22015	-0.0117	0.80094	0.015972	0.73066
3.63E-15	0.42688	4.18E-22	0.010333	0.82377	0.099645	0.03132	-0.06594	0.15485
1.13E-26	0.611441	3.21E-49	0.148472	0.00129	0.168362	0.00026	0.134188	0.00367
3.02E-10	0.26378	7.13E-09	-0.05325	0.25075	-0.00713	0.87782	-0.08238	0.07531
0.61227	-0.15419	0.00083	0.00038	0.99346	-0.03865	0.40463	0.009424	0.83905
1.66E-25	0.606493	3.00E-48	0.050678	0.27443	0.065888	0.15515	0.175609	0.00014
0.00047	0.124504	0.00706	-0.08528	0.06557	0.03203	0.48988	0.068583	0.13891
5.31E-15	0.467825	9.00E-27	-0.00338	0.9419	0.052893	0.25397	0.079898	0.08458
1.05E-08	0.351884	4.65E-15	-0.03806	0.41189	0.164227	0.00037	0.056377	0.22398
2.42E-20	0.414884	7.45E-21	-0.03232	0.48591	0.054391	0.24075	-0.06972	0.13248
3.51E-17	0.506948	7.34E-32	0.076672	0.09794	0.112333	0.01515	0.053132	0.25183
0.001	0.270992	2.65E-09	0.052529	0.25726	0.002675	0.95402	-0.01721	0.71076

7.68E-07	0.308877	8.82E-12	0.053274	0.25056	0.038542	0.40598	0.124667	0.00699
5.19E-05	0.249536	4.64E-08	-0.00251	0.95683	0.019419	0.67553	0.002164	0.96281
1.22E-57	0.704945	2.21E-71	0.130055	0.00488	0.130333	0.00479	0.159477	0.00054
1.52E-11	0.47883	3.88E-28	-0.00172	0.97039	0.068449	0.13968	0.128704	0.00535
4.19E-28	0.499807	6.98E-31	0.034845	0.45252	0.094108	0.04208	0.296327	6.41E-11
5.06E-28	0.581226	1.51E-43	0.08414	0.06927	0.100289	0.03024	0.171856	0.00019
1.91E-10	0.369798	1.40E-16	0.008404	0.85627	-0.03376	0.46667	0.062379	0.17839
2.63E-08	0.38406	7.32E-18	0.106049	0.0219	0.042932	0.3546	0.02189	0.63704
1.08E-26	0.592724	1.23E-45	0.024737	0.59388	0.140138	0.0024	0.182299	7.43E-05
4.46E-20	0.514671	6.04E-33	0.056063	0.22657	0.089204	0.05406	-0.02124	0.64712
0.04117	-0.02904	0.53133	-0.08726	0.05954	-0.06165	0.18356	-0.2273	6.91E-07
2.14E-25	0.547839	6.22E-38	0.109109	0.01834	0.07961	0.0857	0.116634	0.01166
1.74E-14	0.313509	4.14E-12	0.049583	0.28494	0.060797	0.18968	-0.03597	0.43804
1.36E-21	0.449951	1.17E-24	0.002482	0.95734	0.034785	0.4533	0.145866	0.00157
0.28329	0.178272	0.00011	-0.0124	0.78924	0.064328	0.16518	-0.07708	0.09618
0.00018	0.195034	2.19E-05	-0.01705	0.71325	0.022189	0.63245	-0.14721	0.00142
1.04E-15	0.470702	4.00E-27	0.01388	0.76482	0.10382	0.02486	0.223697	1.04E-06
1.60E-16	0.388476	2.85E-18	0.085637	0.06445	-0.04868	0.29382	-0.11384	0.01384
5.89E-13	0.412087	1.43E-20	-0.08576	0.06408	0.027513	0.55313	0.000621	0.98932
2.99E-07	0.423046	1.06E-21	0.154281	0.00082	0.102805	0.02631	-0.03477	0.45347
1.75E-05	-0.18553	5.49E-05	0.041004	0.37664	0.029911	0.51905	-0.03065	0.50877
1.05E-07	0.293965	9.21E-11	0.077846	0.0929	0.044637	0.3358	-0.03416	0.46148
2.66E-28	-0.55753	1.69E-39	0.033899	0.4649	-0.04457	0.3365	-0.09945	0.03166
1.44E-28	0.656946	5.13E-59	-0.01425	0.75872	0.12487	0.0069	0.211378	4.07E-06
0.00035	0.174609	0.00015	-0.05951	0.19926	-0.02345	0.6132	-0.11145	0.01597
0.33632	0.241698	1.24E-07	0.040988	0.37683	0.076003	0.10092	0.055403	0.2321
0.07785	-0.01768	0.70311	-0.04145	0.37151	-0.09774	0.03472	-0.11015	0.01726
2.76E-07	0.298234	4.77E-11	-0.01819	0.69494	0.104762	0.02357	0.011788	0.79944
9.93E-17	0.468926	6.60E-27	0.084052	0.06957	0.129494	0.00507	0.181221	8.20E-05
2.86E-14	-0.36063	8.64E-16	0.024834	0.59243	-0.0244	0.59895	-0.08028	0.08308
0.59883	0.041605	0.36969	0.018999	0.68216	-0.02809	0.54479	0.056423	0.2236
0.07347	-0.07089	0.12609	-0.01389	0.76473	-0.02812	0.54437	-0.19655	1.89E-05
0.07367	-0.17546	0.00014	0.136642	0.00309	-0.07491	0.10592	0.034209	0.46082
2.96E-09	-0.25588	2.04E-08	0.007607	0.86977	-0.03496	0.45108	-0.12579	0.00649
4.81E-09	0.430213	1.84E-22	0.007746	0.86741	0.098096	0.03407	0.17319	0.00017
0.24725	-0.05245	0.25798	-0.04109	0.37569	0.152913	0.00092	-0.0323	0.48619
5.22E-07	0.272049	2.28E-09	-0.08314	0.07265	-0.04083	0.37869	-0.06958	0.13327
0.02852	-0.01676	0.71797	0.087006	0.06028	0.02204	0.63474	0.007245	0.87592
0.00328	-0.16023	0.00051	0.116882	0.01148	-0.02336	0.61465	0.10646	0.02139
2.92E-20	-0.47497	1.18E-27	-0.07728	0.09531	-0.116	0.01212	-0.08195	0.07686
4.36E-10	0.403386	1.06E-19	-0.04914	0.28924	0.124607	0.00702	0.027682	0.55069
0.00024	0.194052	2.42E-05	0.022353	0.62994	0.018423	0.6913	-0.22148	1.34E-06
4.72E-33	0.565848	6.99E-41	0.049696	0.28384	0.092652	0.04537	0.135161	0.00343
5.04E-16	0.394265	8.10E-19	0.073808	0.11118	0.059838	0.19678	0.084997	0.06648
4.51E-33	0.59765	1.48E-46	0.091461	0.04823	0.050937	0.27198	0.086734	0.06109

3.63E-24	-0.42628	4.83E-22	-0.08015	0.08359	-0.08235	0.07544	-0.27543	1.42E-09
5.68E-32	0.53611	4.18E-36	0.002508	0.95689	0.040234	0.38568	0.206439	6.87E-06
4.63E-16	-0.46653	1.29E-26	-0.15029	0.00112	-0.02607	0.57409	-0.09545	0.03921
2.50E-07	-0.20651	6.82E-06	0.008236	0.85911	0.003605	0.93807	-0.02277	0.62351
1.05E-07	-0.42972	2.07E-22	-0.08493	0.06668	-0.1233	0.00764	-0.08718	0.05976
0.73953	0.010386	0.82288	0.219784	1.62E-06	0.125589	0.00658	0.033542	0.46962
9.65E-13	-0.39831	3.31E-19	-0.01354	0.77038	-0.08094	0.0806	-0.08171	0.07774
2.10E-23	0.599728	5.98E-47	0.15604	0.00072	0.105612	0.02246	0.102506	0.02675
7.81E-06	-0.15116	0.00105	0.068988	0.13659	0.0356	0.44278	-0.02275	0.62386
6.16E-18	0.349343	7.52E-15	-0.06722	0.14697	-0.0243	0.60039	-0.0804	0.08262
6.61E-51	0.707087	5.42E-72	0.103654	0.02509	0.030812	0.50654	0.172981	0.00017
1.13E-12	-0.36626	2.84E-16	-0.02319	0.61723	-0.16601	0.00031	-0.15928	0.00055
1.24E-12	-0.4204	2.01E-21	-0.06745	0.14555	-0.10528	0.02289	0.009355	0.84021
5.47E-32	0.632152	1.78E-53	0.004281	0.92648	0.153904	0.00085	0.197889	1.65E-05
9.06E-06	0.241303	1.30E-07	0.123971	0.00731	0.126037	0.00639	-0.02418	0.6022
0.04925	0.193835	2.47E-05	0.039524	0.39412	0.03721	0.42241	-0.16711	0.00029
2.20E-20	0.472344	2.51E-27	0.038662	0.40453	0.030583	0.50972	-0.02733	0.55579
6.01E-14	-0.44427	5.20E-24	-0.06879	0.1377	-0.0434	0.34932	-0.10062	0.0297
1.32E-20	0.472996	2.08E-27	-0.02168	0.64021	-0.01224	0.79194	0.04377	0.34528
0.23426	-0.11436	0.01341	0.037096	0.42384	-0.00135	0.97672	0.077199	0.09565
5.26E-28	0.500572	5.50E-31	0.013928	0.76403	0.010872	0.81473	0.101951	0.02759
2.24E-09	0.289319	1.86E-10	0.105706	0.02234	0.0927	0.04526	0.043291	0.35059
0.0031	0.247599	5.93E-08	-0.00594	0.89821	0.022056	0.63449	-0.05611	0.22621
1.36E-06	-0.15927	0.00055	0.041372	0.37237	-0.0239	0.60649	-0.108	0.01957
2.03E-16	0.36307	5.36E-16	0.046746	0.31344	0.021757	0.63909	0.21823	1.93E-06
4.83E-07	0.326667	4.49E-13	-0.0121	0.79426	0.068505	0.13936	-0.11734	0.01116
3.32E-13	0.453038	5.16E-25	0.126181	0.00633	-0.0032	0.94496	0.094867	0.04044
3.79E-18	0.410029	2.31E-20	0.014579	0.75335	0.064013	0.16727	0.171242	0.0002
0.81319	-0.13446	0.0036	0.016052	0.72936	-0.01484	0.74913	0.035458	0.4446
1.32E-07	0.24596	7.29E-08	0.060493	0.19191	0.042121	0.36376	-0.04326	0.35089
5.98E-27	-0.53558	5.04E-36	0.023752	0.60866	-0.05835	0.20819	0.041114	0.37536
2.26E-17	0.543902	2.60E-37	0.090289	0.05119	0.113238	0.01435	-0.03328	0.47309
0.02493	0.107566	0.02007	0.002485	0.95729	-0.01488	0.74845	-0.06277	0.17567
0.00044	0.164468	0.00036	-0.02914	0.52987	0.02139	0.64476	-0.07748	0.09445
1.26E-09	0.283244	4.59E-10	-0.07759	0.09398	0.141018	0.00225	0.01023	0.82549
0.02886	0.147807	0.00136	-0.02479	0.59314	-0.00675	0.8843	-0.14551	0.00162
2.23E-06	-0.19704	1.80E-05	0.036356	0.43315	-0.02631	0.57066	0.150613	0.0011
1.39E-35	0.629832	5.54E-53	0.083542	0.07128	0.05214	0.2608	0.037367	0.42046
8.09E-22	0.446719	2.74E-24	-0.0445	0.33727	0.010514	0.82073	0.09565	0.03881
5.07E-24	0.427338	3.73E-22	0.019389	0.676	0.057177	0.21746	0.307397	1.12E-11
4.74E-12	0.472245	2.58E-27	0.06858	0.13893	0.159762	0.00053	0.1788	0.0001
0.59732	-0.14033	0.00237	0.07786	0.09284	-0.09249	0.04575	0.019164	0.67956
6.13E-12	0.322837	8.66E-13	-0.11114	0.01627	-0.07126	0.12413	0.092492	0.04575
2.38E-14	0.393954	8.67E-19	0.056229	0.2252	-0.00258	0.95568	0.018135	0.69589
1.51E-24	0.520396	9.11E-34	-0.05625	0.22503	0.021317	0.64588	0.065852	0.15537

6.24E-11	0.371039	1.09E-16	0.075807	0.10181	0.170611	0.00021	-0.01459	0.75317
0.00234	0.296794	5.96E-11	0.100559	0.0298	0.127452	0.00581	-0.02123	0.64719
1.15E-09	0.251572	3.57E-08	-0.10001	0.0307	-0.11939	0.00981	-0.12099	0.00886
3.05E-18	0.50884	4.01E-32	0.060766	0.1899	0.188467	4.16E-05	0.079585	0.0858
0.87721	0.086457	0.06192	-0.00832	0.85771	-0.06574	0.15611	-0.13301	0.00398
3.27E-17	0.491306	9.53E-30	-0.12072	0.00902	0.036525	0.43101	-0.03623	0.43478
1.32E-07	0.243771	9.58E-08	-0.08888	0.05493	0.080976	0.08045	-0.02947	0.5253
0.00013	0.252503	3.17E-08	0.032722	0.48055	0.026061	0.57427	0.055077	0.23486
0.01577	0.253411	2.82E-08	0.092158	0.04654	0.092551	0.04561	-0.07052	0.12806
6.45E-17	0.632617	1.42E-53	0.133369	0.00389	0.218018	1.97E-06	0.087278	0.05948
4.13E-09	0.341407	3.27E-14	0.04043	0.38336	-0.04338	0.34963	0.062341	0.17866
1.16E-20	0.567416	3.79E-41	0.072345	0.11847	0.10982	0.01759	0.111768	0.01567
3.62E-32	0.554627	5.05E-39	0.007246	0.8759	0.099635	0.03134	0.261573	9.60E-09
1.94E-06	-0.13383	0.00376	0.02109	0.6494	0.025571	0.58149	0.005325	0.90863
8.64E-05	0.304285	1.84E-11	-0.05152	0.26653	0.052589	0.25672	0.022639	0.62556
6.30E-44	0.663129	1.76E-60	0.038357	0.40825	0.131056	0.00456	0.191881	2.99E-05
4.01E-10	0.314751	3.37E-12	0.036707	0.42872	-0.07806	0.09201	0.052421	0.25824
1.07E-07	0.220372	1.52E-06	0.042318	0.36153	-0.03363	0.46842	0.215642	2.56E-06
0.56377	0.026521	0.56754	-0.04773	0.3033	-0.0513	0.26858	-0.04599	0.32131
5.58E-16	0.407193	4.45E-20	-0.07691	0.09689	0.018486	0.6903	0.026742	0.5643
2.92E-05	0.195789	2.04E-05	0.040003	0.38841	0.092397	0.04597	-0.20735	6.24E-06
0.01056	0.241816	1.22E-07	0.026751	0.56418	0.093979	0.04236	-0.20415	8.71E-06
2.46E-17	0.346528	1.27E-14	0.025625	0.5807	0.059713	0.19771	-0.00194	0.96673
4.97E-21	0.494947	3.14E-30	0.006318	0.89169	0.063276	0.17222	-0.00495	0.91502
1.76E-28	0.491453	9.12E-30	0.005576	0.90435	0.056581	0.2223	0.070046	0.13066
1.59E-20	0.38125	1.32E-17	0.005815	0.90027	0.03816	0.41066	0.146009	0.00156
2.22E-08	0.286643	2.78E-10	0.050947	0.27189	0.070789	0.12661	0.026955	0.5612
8.36E-07	0.248328	5.41E-08	-0.01131	0.80742	-0.02486	0.592	0.0303	0.51364
8.83E-07	0.205477	7.59E-06	0.020705	0.65539	-0.12235	0.00812	0.212567	3.58E-06
0.85121	0.099391	0.03176	-0.01171	0.80078	-0.01039	0.82275	-0.02651	0.56766
0.13946	0.153791	0.00085	-0.02746	0.55384	0.063548	0.17038	-0.02589	0.57679
1.13E-22	0.428591	2.74E-22	-0.06586	0.15531	-0.10881	0.01866	0.079799	0.08496
5.89E-12	0.44645	2.94E-24	0.181702	7.85E-05	0.095616	0.03888	0.019212	0.67881
3.40E-13	0.486649	3.87E-29	0.110812	0.01659	0.15903	0.00056	-0.00783	0.86603
0.27032	-0.07208	0.1198	0.111758	0.01568	0.049602	0.28476	0.065476	0.15775
7.76E-08	0.330494	2.30E-13	-0.04094	0.37738	0.008139	0.86076	-0.01263	0.78543
5.01E-07	0.16798	0.00027	-0.0507	0.2742	0.053071	0.25238	-0.07216	0.11942
8.22E-24	0.502317	3.18E-31	0.082385	0.0753	-0.03233	0.48583	0.056389	0.22388
3.05E-17	0.372083	8.81E-17	-0.03827	0.40933	0.085762	0.06406	0.321793	1.03E-12
6.54E-07	0.318778	1.72E-12	0.094259	0.04175	0.039557	0.39373	0.006257	0.89273
0.34854	0.115478	0.01252	0.00063	0.98916	0.042791	0.35618	-0.07531	0.10407
2.02E-10	0.32925	2.86E-13	-0.10385	0.02482	-0.02805	0.54538	-0.03433	0.4592
6.18E-15	0.459879	8.12E-26	0.084185	0.06912	0.087229	0.05962	0.069945	0.13122
8.02E-23	0.601619	2.61E-47	0.086014	0.06328	0.081919	0.07698	0.037888	0.41401
0.53871	-0.01937	0.67628	-0.02152	0.64273	-0.0201	0.66485	-0.02082	0.65356

6.46E-13	0.337476	6.66E-14	0.093143	0.04424	0.00071	0.98779	0.048115	0.29946
8.82E-13	0.392667	1.15E-18	0.028364	0.54091	0.03322	0.47389	0.230911	4.54E-07
2.40E-28	0.505037	1.35E-31	0.081071	0.08009	-0.02732	0.55597	0.027705	0.55035
3.05E-10	-0.33663	7.76E-14	0.063448	0.17105	-0.03582	0.43992	-0.0518	0.26388
3.71E-31	0.586871	1.46E-44	0.06535	0.15855	0.066671	0.15029	0.079428	0.08643
4.12E-06	0.342111	2.87E-14	-0.00042	0.9927	0.055954	0.22748	-0.11173	0.01571
7.58E-23	0.426693	4.37E-22	-0.0056	0.90386	0.054296	0.24157	0.186504	5.01E-05
0.00021	0.198352	1.58E-05	0.049545	0.28532	-0.00159	0.97269	0.024861	0.59203
1.24E-26	0.606419	3.10E-48	0.059067	0.20262	0.137859	0.00283	0.090688	0.05016
0.12068	-0.12673	0.0061	-0.04033	0.38456	0.050792	0.27335	0.011869	0.79809
2.26E-31	0.573824	3.01E-42	0.032924	0.47784	0.099895	0.0309	0.353566	3.38E-15
1.23E-16	0.400432	2.06E-19	0.022902	0.62156	0.108589	0.01891	-0.06296	0.17439
0.25229	0.014007	0.76273	-0.10898	0.01848	0.005474	0.90608	-0.03168	0.49468
4.58E-08	-0.15566	0.00074	-0.00882	0.84922	0.075156	0.10479	-0.07822	0.09132
0.18743	0.153988	0.00084	-0.03615	0.43575	-0.01474	0.75067	0.009098	0.84455
3.52E-25	0.545886	1.27E-37	-0.01563	0.73625	0.121404	0.00863	0.058579	0.20638
1.19E-16	0.404827	7.64E-20	-0.00889	0.84812	0.053762	0.24624	0.229462	5.37E-07
1.20E-19	0.499441	7.83E-31	-0.01534	0.741	0.103539	0.02525	0.236039	2.47E-07
0.03007	0.104806	0.02351	-0.03669	0.429	0.040877	0.37813	0.04605	0.3207
1.41E-07	-0.23153	4.22E-07	-0.03249	0.48372	0.071904	0.12073	0.0666	0.15072
0.00363	0.276776	1.17E-09	-0.03151	0.49694	0.074509	0.10782	0.092598	0.0455
4.11E-42	0.73459	2.37E-80	0.045334	0.3283	0.094483	0.04126	0.144954	0.00169
1.14E-07	0.326545	4.58E-13	0.049549	0.28527	0.017342	0.70856	-0.12163	0.00851
1.26E-08	0.30822	9.81E-12	-0.03538	0.44556	-0.06035	0.19295	-0.00851	0.85452
1.36E-31	0.581362	1.43E-43	0.054091	0.24336	0.105976	0.02199	0.016654	0.71963
0.00427	0.168414	0.00026	-0.03168	0.49462	-0.10178	0.02786	0.006231	0.89317
9.54E-08	-0.39331	9.99E-19	-0.0501	0.27991	-0.08565	0.0644	-0.12982	0.00496
1.54E-15	0.416792	4.75E-21	0.067384	0.14596	0.048382	0.29679	-0.09146	0.04824
1.28E-06	0.253304	2.86E-08	0.071587	0.12239	0.036711	0.42867	0.030104	0.51636
0.99201	-0.01925	0.67824	-0.06916	0.13558	0.054115	0.24314	0.084365	0.06853
2.21E-11	0.292965	1.07E-10	0.101321	0.02857	0.074978	0.10561	0.121878	0.00837
3.86E-27	0.594847	4.96E-46	0.073024	0.11504	0.086289	0.06243	0.070227	0.12967
8.96E-08	0.25111	3.79E-08	-0.05247	0.25781	-0.04744	0.30627	0.114102	0.01362
2.23E-12	0.43758	2.90E-23	0.134552	0.00358	0.070198	0.12982	-0.00448	0.92312
5.66E-12	0.367485	2.23E-16	0.005011	0.914	-0.02189	0.63699	0.17129	0.0002
0.80383	-0.02689	0.56214	0.088423	0.0562	-0.05561	0.23032	-0.19512	2.18E-05
3.03E-10	0.355237	2.46E-15	-0.03309	0.47568	0.005761	0.90119	0.25463	2.40E-08
1.34E-09	0.196056	1.98E-05	-0.00818	0.86001	-0.0108	0.81591	0.195169	2.16E-05
0.06589	-0.01251	0.78747	-0.10779	0.01981	-0.0923	0.0462	0.077043	0.09633
3.24E-18	0.512078	1.41E-32	0.069595	0.13316	0.152499	0.00095	0.060226	0.19388
1.47E-15	0.459892	8.09E-26	0.088687	0.05547	0.081729	0.07767	0.154666	0.0008
5.27E-09	0.288397	2.14E-10	-0.01552	0.73805	0.06257	0.17707	-0.11954	0.00972
1.54E-32	0.617166	2.30E-50	-0.01246	0.78834	0.058031	0.21066	0.044033	0.34238
1.01E-12	0.380852	1.44E-17	0.132111	0.00424	0.01409	0.76137	0.040549	0.38196
1.82E-15	0.414912	7.40E-21	0.002015	0.96536	-0.01258	0.78621	-0.05947	0.19958

1.58E-08	0.385333	5.59E-18	0.251047	3.82E-08	0.13608	0.00321	0.070265	0.12946
1.18E-05	0.273161	1.95E-09	-0.00474	0.91862	0.050895	0.27238	0.133042	0.00397
0.00196	0.143522	0.00188	0.076705	0.0978	-0.04947	0.28607	0.035278	0.44692
0.00194	0.161253	0.00047	0.087308	0.05939	0.079407	0.08651	0.001273	0.97811
2.95E-11	0.284932	3.58E-10	-0.07782	0.09301	0.018704	0.68683	0.063429	0.17118
0.00391	0.116979	0.01141	-0.05733	0.21622	-0.07652	0.0986	-0.13307	0.00397
2.27E-14	0.519613	1.18E-33	0.052354	0.25885	0.101072	0.02897	0.033645	0.46825
5.90E-10	0.221034	1.41E-06	0.044607	0.33612	0.021583	0.64178	0.011249	0.80843
3.17E-08	0.246389	6.91E-08	-0.01932	0.67706	0.045938	0.32189	0.085306	0.06549
0.06107	-0.21825	1.92E-06	-0.05561	0.23039	-0.04177	0.36775	-0.10662	0.02119
1.57E-30	0.610278	5.44E-49	0.053663	0.24711	0.029229	0.52864	0.098463	0.0334
0.6593	0.063873	0.1682	-0.02083	0.6535	-0.01164	0.80191	-0.09627	0.03756
6.89E-05	-0.23389	3.19E-07	0.048856	0.29207	0.012906	0.78089	0.085083	0.0662
1.05E-21	0.496891	1.73E-30	0.039099	0.39923	0.023767	0.60844	0.00921	0.84265
3.50E-18	-0.44031	1.44E-23	-0.06897	0.13667	0.049715	0.28366	-0.20812	5.75E-06
4.26E-22	-0.52638	1.21E-34	-0.03764	0.41705	-0.10845	0.01906	-0.07748	0.09446
4.05E-05	0.310843	6.41E-12	-0.00913	0.84392	0.020511	0.65841	-0.0742	0.10931
2.76E-34	0.535064	6.03E-36	0.015397	0.74	0.024528	0.597	-0.00486	0.91657
9.23E-48	0.740449	2.87E-82	0.118548	0.01035	0.098259	0.03377	0.218044	1.97E-06
1.86E-44	0.60475	6.53E-48	0.041603	0.3697	0.033828	0.46583	0.237727	2.01E-07
1.47E-05	0.333017	1.48E-13	0.030259	0.51421	0.130726	0.00466	0.120645	0.00906
1.82E-06	0.307658	1.07E-11	0.004819	0.91728	0.017916	0.69937	-0.05555	0.23088
3.86E-15	0.324559	6.45E-13	0.024639	0.59535	0.01991	0.66782	0.147775	0.00136
0.03736	-0.11469	0.01314	0.009423	0.83906	-0.00523	0.91027	0.429169	2.38E-22
2.36E-29	0.577672	6.41E-43	0.025235	0.58648	0.129749	0.00498	0.005813	0.90031
1.45E-07	-0.2958	6.95E-11	0.063966	0.16758	0.0044	0.92444	-0.10486	0.02344
0.01616	-0.12182	0.00841	0.101258	0.02867	-0.03901	0.40031	-0.01389	0.76457
0.27958	0.160341	0.0005	-0.07015	0.13011	0.003588	0.93836	-0.06003	0.19535
2.08E-11	0.33269	1.56E-13	-0.02646	0.56842	0.032305	0.48615	0.073925	0.11062
2.34E-08	0.213288	3.31E-06	0.015996	0.73027	-0.09167	0.04773	0.08195	0.07686
1.98E-09	0.388126	3.07E-18	0.064495	0.16408	0.020282	0.66199	0.146789	0.00147
2.43E-25	-0.55846	1.19E-39	-0.00081	0.98606	-0.0634	0.1714	-0.16544	0.00033
1.79E-09	-0.27092	2.67E-09	-0.00133	0.97708	-0.03914	0.39869	-0.038	0.41262
1.02E-09	0.412436	1.32E-20	0.376336	3.69E-17	0.016684	0.71914	-0.02331	0.61542
1.63E-18	0.533459	1.06E-35	0.109407	0.01803	0.070834	0.12637	0.093913	0.04251
6.80E-19	0.437289	3.12E-23	0.017406	0.70753	0.03064	0.50892	0.130569	0.00471
1.67E-18	0.397465	4.00E-19	-0.00639	0.8905	-0.00466	0.91994	0.050075	0.28018
0.00862	0.18539	5.56E-05	0.038073	0.41172	0.0562	0.22543	-0.03475	0.45377
5.42E-09	0.199821	1.36E-05	-0.04939	0.28686	-0.09512	0.0399	0.054225	0.24219
4.87E-05	0.144996	0.00168	-0.02362	0.61063	0.04678	0.31309	-0.01782	0.70094
7.96E-30	0.490671	1.16E-29	-0.01487	0.74859	0.013201	0.77601	-0.00232	0.96011
0.0129	0.178051	0.00011	-0.06806	0.14194	-0.12089	0.00892	0.084275	0.06883
1.82E-11	0.380072	1.70E-17	-0.0083	0.85798	0.026405	0.56922	0.077938	0.09251
0.2198	0.047638	0.30428	-0.09837	0.03356	-0.0519	0.26296	0.062701	0.17616
8.21E-12	0.392677	1.15E-18	0.025538	0.58198	-0.01419	0.7597	0.005568	0.90449



4.47E-18	0.485758	5.05E-29	0.089271	0.05387	0.106314	0.02157	0.227069	7.09E-07
2.29E-14	0.3782	2.50E-17	-0.01915	0.67975	-0.03289	0.47835	0.010631	0.81877
6.11E-08	-0.20668	6.69E-06	0.002256	0.96122	-0.0238	0.60791	-0.15118	0.00105
0.01161	0.224383	9.65E-07	-0.04649	0.3161	0.023996	0.60499	-0.13551	0.00334
5.40E-10	0.434771	5.89E-23	0.058918	0.20375	0.15782	0.00062	0.071585	0.12239
1.61E-17	0.491237	9.73E-30	0.017613	0.70422	0.099226	0.03205	0.047658	0.30408
2.08E-25	0.549998	2.82E-38	0.186855	4.84E-05	0.044369	0.33871	0.027103	0.55905
1.72E-22	0.528855	5.20E-35	-0.00248	0.95737	0.043457	0.34874	-0.07114	0.12474
1.37E-29	0.582846	7.75E-44	0.078282	0.09107	0.103816	0.02486	0.073743	0.1115
6.46E-20	0.51824	1.87E-33	-0.01054	0.82031	0.092945	0.04469	0.122691	0.00795
0.00195	0.284124	4.03E-10	0.065131	0.15996	0.164243	0.00037	-0.01985	0.66878
2.92E-21	0.52247	4.55E-34	0.03929	0.39693	0.078026	0.09214	0.121138	0.00878
4.83E-32	0.583864	5.09E-44	0.020388	0.66033	0.009079	0.84486	0.153402	0.00088
0.67739	-0.01529	0.74175	-0.08235	0.07544	-0.00538	0.90777	-0.06041	0.19253
0.00015	0.326764	4.41E-13	-0.01369	0.76788	-0.00538	0.90773	0.097331	0.03549
6.53E-10	0.332332	1.67E-13	0.136442	0.00313	0.13481	0.00351	0.032623	0.48187
6.91E-23	0.434526	6.26E-23	-0.01496	0.74708	-0.05265	0.25614	0.119754	0.00959
5.51E-13	0.442094	9.12E-24	0.128805	0.00531	0.153558	0.00087	0.116571	0.0117
6.91E-12	0.383935	7.52E-18	0.017448	0.70686	-0.01604	0.72961	0.113211	0.01437
2.93E-13	0.302365	2.50E-11	0.117489	0.01106	0.091385	0.04842	0.005876	0.89923
6.85E-10	0.405999	5.85E-20	0.042248	0.36232	0.095041	0.04007	0.121525	0.00857
1.04E-12	0.312763	4.68E-12	-0.05262	0.2564	-0.0497	0.28384	0.166086	0.00031
1.90E-18	0.494423	3.69E-30	0.021291	0.64629	-0.00225	0.96135	0.205257	7.77E-06
7.92E-38	0.675401	1.71E-63	0.01326	0.77504	0.102441	0.02685	0.034315	0.45943
9.01E-19	0.504196	1.76E-31	0.010736	0.81701	0.113569	0.01406	0.037187	0.42271
0.76267	-0.12167	0.00849	-0.09204	0.04683	-0.20338	9.44E-06	0.050403	0.27704
7.73E-37	0.666238	3.13E-61	0.175922	0.00013	0.110891	0.01651	0.179935	9.23E-05
6.03E-10	0.489518	1.64E-29	0.100896	0.02925	0.175542	0.00014	-0.02386	0.60699
1.76E-19	0.342887	2.49E-14	-0.02311	0.61842	-0.00826	0.8587	-0.05062	0.27497
2.06E-16	0.518308	1.82E-33	0.062648	0.17653	0.046597	0.31498	-0.05463	0.23866
1.48E-09	0.281885	5.59E-10	-0.04763	0.30432	0.163561	0.00039	0.221637	1.32E-06
4.37E-18	0.50639	8.77E-32	0.070703	0.12708	0.118134	0.01062	-0.05114	0.2701
1.40E-13	0.438794	2.13E-23	0.06791	0.14284	0.086133	0.06291	0.022037	0.63479
0.00026	-0.24553	7.69E-08	0.007061	0.87904	-0.04197	0.36549	-0.05498	0.23567
8.50E-12	0.450246	1.08E-24	-0.06481	0.16204	0.061422	0.18516	0.099087	0.03229
1.73E-38	0.646364	1.37E-56	0.062246	0.17933	0.121463	0.0086	0.02801	0.54598
0.08808	0.042299	0.36174	-0.06645	0.15162	-0.04377	0.34523	-0.08346	0.07155
0.00702	0.278749	8.81E-10	0.032059	0.48949	0.004204	0.9278	-0.10136	0.02851
0.09174	0.031365	0.49894	-0.01264	0.78521	-0.08913	0.05425	0.058185	0.20945
0.84762	0.119213	0.00992	0.025303	0.58546	0.014679	0.75171	-0.03566	0.44198
4.89E-12	0.30203	2.63E-11	-0.06589	0.15513	0.061598	0.1839	0.110739	0.01666
6.94E-11	-0.43242	1.06E-22	0.07897	0.08826	-0.02453	0.59697	-0.08314	0.07266
6.40E-09	0.361647	7.09E-16	0.100957	0.02915	0.063838	0.16843	0.13129	0.00448
1.25E-19	0.514799	5.80E-33	0.089791	0.05249	0.024882	0.59172	0.153597	0.00087
9.04E-31	0.497236	1.55E-30	-0.05739	0.21571	0.004059	0.93028	0.236855	2.24E-07

1.70E-17	0.536082	4.22E-36	-0.00811	0.86132	0.072673	0.1168	0.165253	0.00034
5.78E-14	0.275252	1.45E-09	-0.05756	0.21436	0.009447	0.83866	0.299413	3.97E-11
6.28E-06	0.332384	1.65E-13	-0.02218	0.63253	0.03871	0.40394	0.024263	0.60098
0.00219	-0.20372	9.12E-06	-0.11089	0.01652	-0.17189	0.00019	-0.2071	6.40E-06
8.31E-16	0.403224	1.10E-19	0.051845	0.26352	-0.04943	0.28642	0.28087	6.48E-10
0.00185	-0.12301	0.00778	-0.05368	0.24696	-0.09217	0.04651	-0.19243	2.83E-05
0.00133	0.085133	0.06604	-0.04844	0.29616	-0.02498	0.59025	0.100465	0.02995
0.00106	0.174104	0.00016	-0.11418	0.01355	0.045799	0.32336	-0.09013	0.0516
0.17757	-0.05832	0.20836	-0.04021	0.38599	0.063898	0.16803	0.110712	0.01669
9.23E-17	0.484777	6.76E-29	0.094456	0.04132	0.111949	0.0155	0.082367	0.07537
5.14E-18	0.44627	3.09E-24	0.012337	0.79032	0.118344	0.01048	0.046277	0.31832
0.04081	0.0638	0.16869	0.00193	0.96682	-0.08211	0.07628	-0.07833	0.09089
2.03E-06	-0.31629	2.61E-12	0.043711	0.34592	-0.0761	0.1005	0.103277	0.02563
2.24E-16	0.47988	2.85E-28	-0.0212	0.64773	0.134411	0.00361	0.143306	0.00191
0.30879	0.044025	0.34247	-0.01327	0.77481	-0.06381	0.16859	-0.10525	0.02292
2.12E-10	-0.36966	1.44E-16	0.012193	0.7927	-0.06969	0.13264	-0.11677	0.01156
1.16E-08	0.330146	2.45E-13	-0.00342	0.94121	0.072399	0.11819	0.064303	0.16535
4.31E-05	0.180918	8.44E-05	-0.0177	0.70275	-0.03747	0.41913	-0.11378	0.01389
0.00038	0.172319	0.00018	-0.15711	0.00066	0.088597	0.05572	-0.11744	0.01109
3.01E-11	0.407159	4.48E-20	-0.00679	0.88364	0.115809	0.01227	0.130125	0.00486
1.48E-28	0.498121	1.18E-30	0.021409	0.64446	-0.02092	0.65202	0.107782	0.01982
4.17E-08	0.396611	4.83E-19	0.018149	0.69567	0.050191	0.27907	-0.14172	0.00214
0.00081	0.214391	2.94E-06	0.094237	0.04179	-0.03002	0.51747	0.116047	0.01209
0.00012	0.293359	1.01E-10	0.057346	0.2161	0.084641	0.06763	-0.0674	0.14585
1.40E-10	-0.34226	2.79E-14	0.165259	0.00034	-0.06697	0.14843	-0.15225	0.00097
8.35E-05	0.237628	2.04E-07	-0.07581	0.10181	-0.02428	0.60066	0.103246	0.02567
5.49E-05	0.165667	0.00032	0.007117	0.87809	-0.13014	0.00485	0.0884	0.05627
4.09E-26	0.582736	8.10E-44	-0.00423	0.92732	0.154201	0.00083	0.059257	0.20116
3.09E-30	0.561355	3.96E-40	0.095988	0.03812	0.055215	0.23369	0.181073	8.32E-05
7.67E-07	0.360272	9.27E-16	-0.03957	0.3936	0.082387	0.0753	0.131586	0.00439
1.75E-17	0.413016	1.15E-20	0.04358	0.34738	0.056855	0.22007	0.098597	0.03316
3.32E-30	0.588199	8.36E-45	-0.00734	0.87422	0.097075	0.03598	0.13794	0.00282
2.72E-07	0.335337	9.78E-14	0.125878	0.00645	0.067382	0.14598	-0.06591	0.15503
0.91481	0.063245	0.17243	0.05522	0.23364	0.059067	0.20261	0.165216	0.00034
3.77E-13	0.391727	1.41E-18	0.056488	0.22307	0.017034	0.71351	0.192068	2.93E-05
1.64E-11	-0.373	7.31E-17	-0.08608	0.06307	-0.053	0.25297	-0.07218	0.11929
1.96E-10	-0.26053	1.10E-08	0.027705	0.55037	-0.02082	0.65363	-0.08765	0.0584
0.10301	-0.07383	0.11108	0.088331	0.05646	0.009894	0.83113	0.054773	0.23746
0.05637	0.173436	0.00017	-0.07836	0.09074	0.121475	0.00859	-0.00444	0.92381
3.65E-07	0.224384	9.65E-07	-0.01872	0.68662	-0.08479	0.06713	-0.03826	0.4094
0.14617	-0.0933	0.04388	-0.01312	0.77741	0.004272	0.92664	-0.077	0.09651
1.70E-14	-0.49077	1.12E-29	-0.03059	0.50957	-0.10207	0.02742	-0.22945	5.38E-07
0.00012	0.332112	1.73E-13	-0.05961	0.19851	0.143185	0.00192	-0.13566	0.00331
7.04E-16	0.441948	9.47E-24	0.089866	0.05229	0.026452	0.56855	0.199809	1.36E-05
0.60886	0.102906	0.02616	-0.03417	0.46128	0.073198	0.11417	0.138873	0.00263

3.99E-22	0.517339	2.51E-33	0.040559	0.38184	0.119052	0.01002	0.134062	0.0037
4.43E-28	0.571213	8.51E-42	0.02673	0.56448	0.044189	0.34067	0.166012	0.00031
4.47E-08	0.291024	1.44E-10	0.043379	0.34961	-0.04542	0.32743	0.207499	6.14E-06
5.38E-14	0.361876	6.77E-16	0.026441	0.5687	0.039752	0.3914	-0.13967	0.00249
2.91E-11	0.44669	2.77E-24	0.008596	0.85302	0.157545	0.00063	0.020904	0.65229
0.68128	0.051447	0.2672	-0.03365	0.46822	-0.0801	0.08378	-0.13662	0.00309
0.00124	-0.22726	6.94E-07	-0.04881	0.2925	-0.09102	0.04934	-0.00062	0.98926
0.00109	0.072824	0.11604	-0.06404	0.16708	-0.06554	0.15737	0.102399	0.02691
0.00132	0.141245	0.00222	-0.10409	0.02448	0.000712	0.98776	0.062535	0.17731
0.40094	-0.01565	0.73592	-0.05407	0.24355	-0.07102	0.12538	-0.14481	0.0017
0.00011	0.170756	0.00021	-0.09785	0.03453	-0.06616	0.15344	0.087616	0.0585
0.00153	0.197476	1.72E-05	-0.01993	0.66749	0.05423	0.24214	0.128869	0.00529
3.96E-14	0.398327	3.30E-19	-0.00359	0.93835	0.013264	0.77498	0.121652	0.0085
1.70E-11	0.43418	6.83E-23	0.042758	0.35655	0.043104	0.35267	-0.00771	0.86801
9.48E-25	0.441776	9.90E-24	-0.03313	0.47512	-0.00564	0.90323	0.026222	0.5719
1.45E-21	0.554611	5.08E-39	0.085268	0.06561	0.12706	0.00597	0.090961	0.04947
1.08E-08	0.276591	1.20E-09	-0.00212	0.96354	0.047576	0.30491	0.141423	0.00219
0.00018	0.131833	0.00432	0.000414	0.99288	-0.01906	0.68123	0.035044	0.44994
0.06923	-0.23942	1.64E-07	-0.02068	0.65577	-0.02281	0.62289	0.022153	0.633
0.00126	-0.31695	2.34E-12	0.065979	0.15457	-0.10601	0.02195	-0.01997	0.6669
8.61E-09	-0.3819	1.16E-17	-0.04407	0.34195	0.003304	0.94323	-0.04294	0.35449
0.00048	0.072657	0.11688	0.047463	0.30607	0.058572	0.20643	0.207104	6.40E-06
9.00E-06	0.347531	1.06E-14	-0.10542	0.02271	0.152243	0.00097	0.087431	0.05903
2.84E-10	-0.40466	7.94E-20	-0.00211	0.96373	-0.07742	0.09468	-0.18203	7.61E-05
8.09E-05	0.335261	9.91E-14	0.04782	0.30244	0.051378	0.26784	-0.03894	0.40118
1.42E-05	0.254394	2.48E-08	0.018219	0.69455	0.08679	0.06092	0.153598	0.00087
1.37E-08	0.231594	4.19E-07	-0.09076	0.04998	-0.13048	0.00474	-0.00479	0.91774
0.06973	0.193578	2.53E-05	0.041839	0.36699	0.076694	0.09785	-0.03383	0.46577
2.93E-08	0.336349	8.16E-14	0.06361	0.16996	0.128169	0.00554	-0.00375	0.93563
1.16E-17	0.405858	6.04E-20	0.059926	0.19611	0.106682	0.02112	0.116124	0.01203
4.53E-05	0.197938	1.64E-05	0.065411	0.15817	-0.01771	0.70266	0.078363	0.09074
1.10E-24	-0.59962	6.27E-47	-0.11665	0.01165	-0.10466	0.0237	-0.21308	3.39E-06
0.0394	0.224045	1.00E-06	0.072182	0.1193	0.077153	0.09585	-0.03864	0.40482
1.65E-16	0.458468	1.19E-25	0.113636	0.01401	0.087676	0.05832	0.19566	2.06E-05
1.17E-11	0.453447	4.63E-25	-0.04381	0.34483	0.099357	0.03182	0.080288	0.08306
0.6351	0.223397	1.08E-06	-0.08614	0.06289	0.090017	0.05189	-0.00317	0.9456
4.49E-08	-0.23604	2.46E-07	-0.04095	0.37729	-0.02615	0.5729	-0.02592	0.57629
5.87E-12	0.297857	5.06E-11	0.022647	0.62544	0.000721	0.98761	-0.11625	0.01194
4.66E-21	0.610491	4.94E-49	0.110559	0.01684	0.12973	0.00499	0.19006	3.57E-05
2.80E-24	0.503757	2.02E-31	-0.01946	0.67492	0.016042	0.72952	0.162213	0.00043
0.00021	0.151621	0.00101	0.014391	0.75643	-0.0852	0.06584	0.090836	0.04979
1.69E-60	0.821978	#####	0.093554	0.04331	0.141421	0.00219	0.2482	5.49E-08
1.13E-39	0.691519	1.11E-67	0.117104	0.01132	0.143544	0.00187	0.142126	0.00208
0.14497	-0.04037	0.38411	-0.02492	0.59108	-0.07182	0.12117	0.037857	0.41438
0.43654	0.194771	2.25E-05	0.035023	0.45022	-0.04473	0.33474	0.043532	0.3479

7.57E-22	0.503776	2.01E-31	0.028613	0.53736	0.068551	0.13909	0.157882	0.00062
4.35E-07	-0.35548	2.34E-15	-0.10009	0.03057	-0.11968	0.00963	-0.09649	0.03712
0.00093	-0.2157	2.55E-06	0.024265	0.60095	-0.07638	0.09925	-0.03944	0.39514
3.38E-15	0.379911	1.75E-17	-0.05563	0.23015	-0.07846	0.09034	0.219266	1.72E-06
4.81E-05	-0.14922	0.00122	-0.01857	0.68892	0.059904	0.19628	-0.06422	0.16587
3.15E-09	-0.25917	1.32E-08	0.020119	0.66453	-0.004	0.93135	-0.08622	0.06266
1.64E-16	0.427852	3.29E-22	0.067463	0.14549	0.016543	0.72141	0.093073	0.0444
9.33E-13	-0.42281	1.13E-21	-0.00383	0.93427	-0.08585	0.06379	-0.04545	0.32701
0.0007	0.151434	0.00103	0.054022	0.24396	0.062916	0.17468	0.017634	0.70389
7.88E-21	0.48807	2.53E-29	0.005578	0.9043	0.088062	0.05722	0.053779	0.24609
1.90E-16	0.424385	7.68E-22	-0.13068	0.00467	-0.05901	0.20301	0.099168	0.03215
5.25E-16	0.451804	7.17E-25	0.061032	0.18797	0.031858	0.49222	0.137674	0.00287
0.00272	0.100667	0.02962	-0.12554	0.0066	-0.09884	0.03273	-0.03893	0.40133
0.03611	0.227236	6.96E-07	0.033806	0.46612	0.181529	7.97E-05	0.082944	0.07334
0.01857	0.212113	3.76E-06	0.004271	0.92666	0.018163	0.69544	0.00428	0.92651
0.06375	0.179146	9.92E-05	-0.0165	0.72217	0.063521	0.17056	-0.18719	4.69E-05
0.11065	0.11888	0.01013	-0.05758	0.21422	-0.00539	0.90756	0.070168	0.12999
4.20E-08	-0.35644	1.95E-15	-0.01372	0.76742	-0.07772	0.09344	-0.01964	0.67203
0.29726	0.117648	0.01095	0.026694	0.56501	0.017218	0.71056	-0.22976	5.19E-07
2.27E-14	0.302513	2.44E-11	-0.00471	0.9191	0.101611	0.02812	0.114373	0.01339
0.04281	-0.15692	0.00067	-0.00648	0.88887	-0.08157	0.07826	0.070425	0.12858
0.00212	-0.28679	2.72E-10	-0.03354	0.46961	-0.04799	0.30075	-0.02975	0.52131
1.13E-05	0.318716	1.74E-12	-0.02606	0.57433	-0.04378	0.34514	0.146314	0.00152
3.44E-08	0.338729	5.31E-14	0.176424	0.00013	0.07245	0.11793	-0.17415	0.00016
0.00349	0.224323	9.72E-07	-0.0251	0.58845	0.095978	0.03814	0.014427	0.75584
5.13E-09	0.43171	1.27E-22	0.092911	0.04477	0.118861	0.01015	-0.13729	0.00295
6.78E-07	0.421349	1.60E-21	0.023526	0.61208	0.084556	0.06791	0.145201	0.00165
1.41E-14	0.445264	4.01E-24	-0.04017	0.38645	0.021485	0.64329	0.104894	0.02339
5.51E-07	0.389828	2.13E-18	0.052215	0.26011	0.05275	0.25526	-0.06744	0.14564
9.26E-05	0.332421	1.64E-13	-0.05852	0.2068	0.042907	0.35488	-0.06471	0.16268
0.00344	0.180308	8.92E-05	0.013041	0.77866	-0.04185	0.36691	-0.19423	2.38E-05
8.39E-10	0.284422	3.86E-10	0.003281	0.94363	0.004169	0.92841	0.204769	8.17E-06
7.57E-17	0.355429	2.37E-15	0.037772	0.41543	0.037796	0.41514	0.141758	0.00214
1.65E-05	-0.18862	4.09E-05	0.024385	0.59914	0.018927	0.6833	0.190451	3.43E-05
0.00048	0.34781	1.00E-14	0.033598	0.46887	0.079262	0.08709	-0.08084	0.08097
0.02372	0.164143	0.00037	-0.09466	0.04088	0.000639	0.98902	-0.09519	0.03976
0.03262	0.20056	1.26E-05	-0.0055	0.90559	0.027014	0.56036	-0.00487	0.91643
1.38E-08	0.222799	1.16E-06	-0.14474	0.00171	-0.0384	0.40778	0.016957	0.71475
0.009	0.189468	3.77E-05	-0.13311	0.00395	-0.07575	0.10205	0.061708	0.18312
0.00038	0.204608	8.31E-06	0.054819	0.23706	0.025493	0.58265	-0.02305	0.61929
0.12837	0.19061	3.38E-05	0.157835	0.00062	0.048323	0.29738	-0.08049	0.08229
2.56E-08	-0.25785	1.58E-08	0.005312	0.90885	0.023053	0.61926	0.073772	0.11135
2.65E-52	0.783945	2.54E-98	0.096351	0.03739	0.122073	0.00827	0.190127	3.54E-05
7.13E-14	0.423945	8.54E-22	0.114427	0.01335	0.053223	0.25102	0.036247	0.43454
0.00955	0.072171	0.11935	0.016282	0.72563	-0.07945	0.08634	-0.09161	0.04786

0.49304	-0.01739	0.70786	-0.09185	0.04727	-0.05285	0.25432	-0.15504	0.00077
0.3342	0.087021	0.06023	0.054987	0.23563	0.010436	0.82203	-0.09634	0.03742
5.77E-08	0.305485	1.52E-11	-0.00327	0.94377	-0.05277	0.25504	0.106752	0.02104
5.85E-14	0.54745	7.18E-38	0.051189	0.2696	0.123835	0.00738	0.127098	0.00595
0.08846	0.170232	0.00022	0.005154	0.91155	0.111155	0.01626	-0.10006	0.03062
9.74E-08	0.300156	3.54E-11	0.043664	0.34645	0.005559	0.90463	0.135923	0.00325
5.60E-20	0.416316	5.31E-21	0.075409	0.10362	0.0445	0.33728	0.263729	7.18E-09
0.00111	0.200639	1.25E-05	-0.03704	0.42457	0.057395	0.21571	-0.1262	0.00632
1.03E-11	0.373739	6.28E-17	0.053244	0.25083	0.065549	0.15729	-0.06171	0.18312
1.11E-18	0.56344	1.77E-40	0.046442	0.3166	0.155871	0.00072	0.001667	0.97134
0.00019	-0.2748	1.55E-09	0.006881	0.88211	-0.07739	0.09482	-0.07332	0.11359
6.12E-21	0.556169	2.83E-39	0.080029	0.08407	0.107112	0.0206	0.190263	3.50E-05
2.05E-08	0.334503	1.13E-13	-0.01365	0.76863	-0.00536	0.90808	-0.03326	0.47336
2.32E-29	0.572612	4.89E-42	0.072446	0.11795	0.104565	0.02383	0.194252	2.37E-05
0.00584	0.211554	3.99E-06	-0.04321	0.35151	0.062112	0.18026	-0.01249	0.78785
6.01E-32	0.579862	2.63E-43	0.075798	0.10185	0.077008	0.09648	0.209422	5.01E-06
8.30E-08	0.267433	4.33E-09	-0.04211	0.36394	0.085764	0.06405	-0.02377	0.60843
2.91E-15	0.431949	1.19E-22	-0.06552	0.15748	0.001681	0.97111	0.223159	1.11E-06
1.46E-05	0.359292	1.12E-15	0.09155	0.04801	0.064539	0.1638	0.122167	0.00822
2.14E-06	0.338051	6.01E-14	0.045221	0.3295	0.077677	0.09361	-0.03758	0.41777
3.20E-27	0.526334	1.23E-34	0.01526	0.74222	0.032204	0.48753	0.26681	4.72E-09
1.51E-08	-0.3646	3.96E-16	-0.01673	0.71838	-0.07912	0.08767	0.018331	0.69276
7.02E-14	-0.37449	5.39E-17	-0.02471	0.59432	-0.06473	0.16254	-0.11932	0.00986
0.00029	0.34854	8.74E-15	0.050056	0.28037	0.064561	0.16366	-0.08962	0.05295
5.78E-21	0.528535	5.80E-35	0.093401	0.04365	0.092182	0.04648	0.034664	0.45487
5.27E-20	0.432194	1.12E-22	0.091535	0.04805	0.066492	0.15139	0.145266	0.00165
4.35E-15	0.429057	2.44E-22	0.128254	0.00551	0.075185	0.10465	0.141606	0.00216
4.29E-12	0.430551	1.69E-22	0.048662	0.29399	0.105623	0.02244	-0.04385	0.34436
1.60E-07	0.307333	1.13E-11	0.178867	0.0001	0.030324	0.5133	0.197745	1.67E-05
1.61E-15	0.450609	9.85E-25	-0.04644	0.31662	-0.00881	0.84938	0.228731	5.85E-07
2.16E-14	0.449193	1.43E-24	-0.03501	0.45039	0.085511	0.06484	0.175795	0.00013
5.12E-12	0.218232	1.93E-06	-0.00801	0.86289	-0.05091	0.27223	0.254631	2.40E-08
4.00E-19	-0.44495	4.35E-24	0.067055	0.14795	-0.09834	0.03362	0.005386	0.90759
6.14E-24	0.494022	4.17E-30	0.115116	0.0128	0.117935	0.01075	0.081377	0.07895
9.09E-08	-0.44231	8.64E-24	-0.09424	0.04178	-0.13243	0.00415	-0.14222	0.00206
4.95E-11	0.402956	1.17E-19	-0.0415	0.37091	0.047375	0.30696	0.188549	4.12E-05
9.10E-29	0.556547	2.46E-39	0.031845	0.49239	0.074652	0.10714	0.046263	0.31847
5.51E-21	0.44574	3.54E-24	-0.00768	0.86859	0.046747	0.31342	0.043168	0.35196
1.54E-13	0.433909	7.31E-23	0.083077	0.07288	0.13974	0.00247	-0.02651	0.56776
8.41E-37	0.613594	1.20E-49	0.106635	0.02118	0.075569	0.10288	0.251495	3.61E-08
7.91E-06	-0.24606	7.19E-08	-0.00883	0.84913	-0.01376	0.76681	-0.12928	0.00514
1.67E-42	0.646876	1.05E-56	0.15036	0.00112	0.069131	0.13577	0.186037	5.23E-05
1.27E-29	0.556387	2.61E-39	0.030657	0.50869	0.037852	0.41444	0.189815	3.65E-05
0.00023	0.335127	1.01E-13	0.0711	0.12496	-0.01048	0.82135	-0.02533	0.58509
4.28E-07	0.340203	4.07E-14	-0.02449	0.59752	0.021764	0.63899	-0.06615	0.15348

5.39E-06	-0.26304	7.87E-09	0.05084	0.27289	0.021758	0.63907	-0.08977	0.05255
1.23E-11	0.462973	3.47E-26	-0.0149	0.74815	0.052061	0.26153	0.031641	0.49517
3.61E-06	0.30623	1.35E-11	0.0585	0.20699	-0.01404	0.76214	0.012696	0.78436
2.35E-10	-0.25688	1.79E-08	-0.01291	0.78079	0.037757	0.41562	-0.16592	0.00032
0.00152	-0.19062	3.38E-05	-0.06005	0.19518	-0.03327	0.47321	0.085808	0.06391
4.09E-13	0.406627	5.06E-20	-0.00513	0.9119	0.071139	0.12475	0.148908	0.00125
8.05E-19	0.478991	3.70E-28	0.014904	0.74803	0.131055	0.00456	0.004115	0.92933
2.89E-22	0.559554	7.87E-40	0.150761	0.00108	0.154963	0.00078	-0.03694	0.42573
3.41E-40	0.733673	4.69E-80	0.039483	0.39462	0.164197	0.00037	0.112279	0.0152
0.00556	0.234049	3.13E-07	-0.01868	0.68716	0.181202	8.22E-05	0.002399	0.95876
7.84E-07	-0.37113	1.07E-16	-0.05762	0.21395	-0.08169	0.0778	0.075994	0.10096
2.26E-07	0.249171	4.86E-08	-0.01944	0.67523	-0.07976	0.08512	0.039643	0.39269
9.12E-07	0.251217	3.74E-08	0.024946	0.59077	-0.02183	0.63798	0.052202	0.26024
2.49E-17	0.494947	3.14E-30	0.0954	0.03932	0.0515	0.2667	0.050326	0.27778
0.0012	0.145623	0.0016	-0.06158	0.18399	-0.02566	0.58019	0.20069	1.24E-05
0.51431	0.110119	0.01729	-0.0245	0.59746	-0.03589	0.43908	0.04129	0.37332
0.04082	-0.09725	0.03564	-0.01263	0.7855	-0.05149	0.26677	-0.04805	0.30013
0.01933	0.005912	0.8986	-0.18518	5.68E-05	-0.13015	0.00485	0.003032	0.9479
1.94E-08	0.434265	6.69E-23	0.029372	0.52662	0.132341	0.00417	-0.16528	0.00033
0.02888	-0.09157	0.04796	0.136146	0.0032	0.018331	0.69276	0.017911	0.69946
0.13164	0.162816	0.00041	0.020916	0.6521	0.026136	0.57318	-0.12994	0.00492
0.03344	-0.01783	0.70077	0.006896	0.88185	0.004973	0.91465	0.046568	0.31528
4.00E-39	0.665287	5.33E-61	0.11054	0.01686	0.149197	0.00122	0.226885	7.25E-07
1.83E-16	0.504826	1.44E-31	0.020773	0.65434	0.1649	0.00035	0.016644	0.71979
1.34E-05	0.126015	0.0064	-0.05069	0.27433	0.034558	0.45625	-0.03467	0.45475
1.27E-08	-0.26459	6.39E-09	0.044573	0.33649	-0.01055	0.8202	0.033167	0.4746
0.33463	-0.0899	0.05221	-0.06523	0.15931	-0.028	0.54618	0.010462	0.8216
6.55E-10	0.248047	5.60E-08	-0.01054	0.82026	-0.01406	0.76183	0.129369	0.00511
7.66E-32	0.484688	6.94E-29	-0.00356	0.93882	0.052946	0.25349	0.105223	0.02296
2.34E-08	0.233377	3.39E-07	-0.04767	0.30391	0.012227	0.79214	0.056119	0.22611
0.89815	-0.13865	0.00268	0.065288	0.15895	0.090957	0.04948	-0.0334	0.47147
9.95E-09	-0.34435	1.91E-14	-0.03632	0.43359	-0.04911	0.28953	-0.1387	0.00267
5.42E-39	0.621246	3.40E-51	-0.04124	0.37387	0.156093	0.00071	0.213748	3.15E-06
2.25E-28	0.553474	7.77E-39	0.06164	0.1836	0.144447	0.00175	0.137967	0.00281
6.70E-18	0.535627	4.95E-36	-0.0088	0.84965	0.105593	0.02248	0.146961	0.00145
0.00088	0.252692	3.09E-08	-0.00234	0.95972	0.08466	0.06756	0.056867	0.21997
4.36E-10	0.3148	3.34E-12	-0.01281	0.78248	0.047668	0.30397	0.023558	0.61159
0.00704	0.031591	0.49585	-0.04706	0.31023	0.01789	0.69979	-0.02158	0.64179
7.05E-10	0.326841	4.35E-13	0.036924	0.426	0.028167	0.54373	0.209891	4.77E-06
0.27308	-0.01847	0.69055	-0.00757	0.87034	-0.047	0.31086	-0.01344	0.7721
0.23447	0.049193	0.28875	-0.06093	0.18871	-0.01052	0.82068	-0.16443	0.00036
4.07E-12	0.320775	1.23E-12	-0.00174	0.97001	0.035661	0.44201	0.153185	0.0009
6.41E-09	0.2792	8.26E-10	-0.07142	0.12327	-0.00871	0.85113	0.293405	1.00E-10
1.14E-14	0.43755	2.92E-23	0.128472	0.00543	0.039038	0.39997	-0.02323	0.61662
0.21391	0.229308	5.47E-07	0.089341	0.05369	0.091041	0.04927	-0.06384	0.16844

0.00224	0.210424	4.51E-06	0.044989	0.33199	0.006045	0.89635	0.172836	0.00017
4.33E-05	0.350562	5.98E-15	0.06499	0.16087	0.092743	0.04516	-0.12724	0.00589
1.29E-07	0.164251	0.00036	0.044635	0.33581	0.01525	0.74239	0.142713	0.00199
6.92E-06	0.297367	5.46E-11	-0.03291	0.47797	0.033788	0.46636	0.050672	0.27448
0.00178	0.197115	1.78E-05	-0.05582	0.22858	0.010908	0.81414	-0.05027	0.27831
5.72E-13	0.335159	1.01E-13	-0.02712	0.55876	0.013708	0.76765	0.173133	0.00017
4.64E-17	-0.42788	3.27E-22	-0.02495	0.59068	-0.02541	0.58389	-0.19313	2.65E-05
2.22E-12	0.477167	6.28E-28	0.104853	0.02345	0.184356	6.13E-05	0.106232	0.02167
1.63E-09	0.298846	4.34E-11	-0.03894	0.40113	0.015227	0.74277	0.0234	0.61398
0.01593	-0.05194	0.26265	0.054499	0.23982	-0.04763	0.30439	-0.04326	0.35094
3.15E-19	0.463405	3.08E-26	0.047466	0.30604	0.047237	0.30838	0.104435	0.02401
3.22E-06	0.295744	7.01E-11	-0.03252	0.48328	-0.04405	0.34218	-0.01386	0.76522
1.17E-08	0.395572	6.07E-19	0.081531	0.07839	0.158907	0.00057	0.182422	7.34E-05
4.09E-05	0.202799	1.00E-05	-0.10352	0.02528	-0.00931	0.84089	-0.0328	0.47951
3.36E-16	0.412581	1.28E-20	0.022732	0.62415	0.17288	0.00017	0.0565	0.22297
3.25E-12	0.248292	5.43E-08	-0.09446	0.0413	0.027758	0.5496	-0.03509	0.44939
6.62E-11	0.366509	2.71E-16	0.078669	0.08949	0.023829	0.6075	-0.09432	0.04161
0.0002	0.180272	8.95E-05	-0.07155	0.12255	-0.02238	0.62948	0.084904	0.06678
2.32E-18	0.414268	8.61E-21	0.018936	0.68317	0.138003	0.0028	0.150931	0.00107
1.28E-18	0.462519	3.94E-26	-0.02317	0.61741	-0.00256	0.95599	-0.02212	0.63345
4.02E-06	0.310158	7.16E-12	0.021301	0.64613	0.053742	0.24641	-0.12188	0.00837
1.94E-33	0.561199	4.20E-40	-0.05287	0.25415	0.132077	0.00425	0.182177	7.51E-05
1.18E-09	0.353496	3.43E-15	-0.01603	0.72965	0.007053	0.87919	0.082792	0.07387
7.96E-13	-0.55122	1.79E-38	-0.07334	0.11349	-0.16899	0.00024	-0.18137	8.09E-05
8.93E-11	-0.40783	3.85E-20	-0.05983	0.19687	-0.1552	0.00076	0.01709	0.71261
7.15E-22	0.480733	2.22E-28	0.060682	0.19052	-0.06357	0.17025	0.119078	0.01001
3.84E-11	0.424196	8.04E-22	0.027686	0.55063	0.100841	0.02934	0.005079	0.91283
4.68E-08	-0.34557	1.52E-14	-0.0213	0.64615	-0.04917	0.28898	-0.12078	0.00899
8.95E-10	0.23764	2.03E-07	-0.03112	0.5023	-0.04306	0.35314	-0.07659	0.09829
1.66E-11	0.331248	2.02E-13	-0.01199	0.79609	0.046773	0.31316	-0.1074	0.02026
5.80E-11	0.369065	1.62E-16	0.051182	0.26968	0.046445	0.31657	-0.00908	0.84487
8.81E-05	-0.28587	3.12E-10	0.033438	0.47099	0.015243	0.7425	0.114694	0.01313
5.52E-17	0.442398	8.43E-24	0.04085	0.37844	0.107434	0.02022	0.209652	4.89E-06
5.45E-07	0.245648	7.58E-08	0.003166	0.9456	0.03809	0.41152	0.163564	0.00039
8.54E-10	0.285414	3.33E-10	0.078422	0.0905	-0.02628	0.57104	0.066374	0.15212
4.56E-30	0.591855	1.78E-45	0.056351	0.2242	0.165063	0.00034	0.163066	0.0004
2.92E-06	0.267176	4.49E-09	0.012522	0.78725	-0.03183	0.49264	0.128821	0.0053
5.73E-15	0.32023	1.35E-12	-0.03776	0.41556	-0.06324	0.17249	0.142569	0.00201
1.53E-07	0.218278	1.92E-06	-0.17073	0.00021	-0.02751	0.55313	0.173461	0.00017
8.12E-12	-0.35852	1.30E-15	-0.08239	0.07527	-0.04313	0.35242	-0.03519	0.44802
1.67E-41	0.455699	2.53E-25	0.090527	0.05057	-0.01613	0.72804	0.11185	0.0156
2.60E-23	0.544647	1.99E-37	-0.0555	0.23131	0.125121	0.00678	-0.05811	0.21001
4.97E-08	-0.26175	9.37E-09	-0.04337	0.3497	0.030567	0.50993	0.083531	0.07132
0.00475	0.176695	0.00012	-0.08358	0.07114	0.076001	0.10093	-0.098	0.03424
0.06353	0.056489	0.22306	-0.08204	0.07654	0.03727	0.42167	-0.14385	0.00183

1.40E-05	-0.22144	1.35E-06	0.004572	0.9215	-0.09309	0.04436	-0.00566	0.90291
0.00436	0.159914	0.00052	0.047739	0.30325	0.000542	0.99067	-0.04747	0.30604
0.60323	0.13598	0.00324	-0.03465	0.4551	0.03736	0.42055	0.143877	0.00183
0.89644	-0.05011	0.27981	-0.02808	0.54504	-0.11325	0.01434	-0.07911	0.08769
0.41155	-0.06661	0.15068	0.023015	0.61984	-0.08124	0.07945	-0.15043	0.00111
5.72E-10	0.421435	1.57E-21	0.054877	0.23657	0.098847	0.03271	-0.05982	0.19687
0.04102	0.081808	0.07738	0.151721	0.00101	0.067657	0.14433	0.229309	5.47E-07
8.50E-39	0.678124	3.51E-64	0.058136	0.20983	0.096238	0.03762	0.1196	0.00968
0.02144	0.159592	0.00054	-0.0653	0.15885	-0.04006	0.38779	0.044564	0.33659
0.27382	-0.17245	0.00018	-0.10239	0.02692	-0.09551	0.03909	-0.17368	0.00016
1.87E-12	0.473497	1.80E-27	0.076931	0.09681	0.057847	0.21211	0.190277	3.49E-05
0.44729	0.109765	0.01765	0.060395	0.19263	-0.02772	0.55013	-0.03501	0.45035
2.27E-07	0.412418	1.33E-20	0.040081	0.38749	0.127708	0.00571	0.090464	0.05074
4.89E-06	0.168259	0.00026	-0.05995	0.19594	0.00486	0.91658	-0.0613	0.18605
0.05866	0.089769	0.05254	-0.0444	0.33834	0.057838	0.21218	-0.17793	0.00011
8.99E-06	0.100685	0.02959	-0.04063	0.38102	-0.1446	0.00173	-0.09018	0.05147
0.01231	0.032646	0.48157	-0.06767	0.14423	-0.00622	0.89343	-0.08617	0.06279
2.17E-07	0.347137	1.14E-14	-0.03969	0.39217	-0.08416	0.06922	0.173811	0.00016
5.42E-13	0.461318	5.48E-26	0.003379	0.94195	0.110722	0.01668	0.154934	0.00078
6.45E-10	0.450208	1.10E-24	-0.00434	0.9254	0.123341	0.00762	-0.00717	0.87717
0.0005	0.152164	0.00097	-0.01071	0.81753	0.023361	0.61457	0.067624	0.14453
7.30E-35	0.638591	7.25E-55	0.100911	0.02923	0.122565	0.00801	0.093768	0.04283
2.15E-12	0.561536	3.69E-40	0.017757	0.70191	0.024814	0.59273	0.073906	0.11071
0.00016	0.099298	0.03192	0.03272	0.48058	0.110284	0.01712	-0.07554	0.103
0.87043	-0.04611	0.32012	-0.06046	0.19216	-0.07529	0.10417	-0.03192	0.49138
1.69E-07	-0.28677	2.72E-10	0.075266	0.10428	-0.03531	0.4465	-0.12325	0.00767
8.02E-19	0.490603	1.18E-29	-0.00571	0.90199	0.040071	0.3876	0.030645	0.50885
6.05E-19	0.488323	2.34E-29	0.043126	0.35243	0.140573	0.00233	0.082296	0.07562
0.70138	0.069039	0.13629	0.22519	8.80E-07	0.046132	0.31984	0.018584	0.68875
6.90E-17	0.438175	2.49E-23	0.020772	0.65435	0.010351	0.82346	0.219142	1.74E-06
2.21E-07	0.327148	4.13E-13	0.128855	0.00529	0.039592	0.39331	-0.02846	0.53955
8.97E-32	0.627084	2.10E-52	0.07092	0.12591	0.087952	0.05753	0.277323	1.08E-09
1.89E-19	0.500444	5.73E-31	-0.01744	0.70694	0.069708	0.13253	0.007371	0.87378
4.31E-07	0.232495	3.76E-07	0.037342	0.42077	-0.02241	0.62913	-0.05189	0.26313
6.59E-05	0.256544	1.87E-08	0.014718	0.75107	-0.05089	0.2724	-0.05326	0.2507
1.82E-05	0.192913	2.70E-05	0.020405	0.66007	-0.05261	0.25656	-0.11651	0.01174
8.37E-11	0.467176	1.08E-26	0.06181	0.1824	0.030795	0.50678	0.020082	0.66513
1.01E-20	0.483465	9.96E-29	-0.0002	0.9966	-0.03884	0.40241	-0.00191	0.96709
5.59E-34	0.573456	3.49E-42	0.100548	0.02981	0.109837	0.01758	0.180227	8.99E-05
4.50E-22	-0.48753	2.98E-29	-0.04278	0.35629	-0.09553	0.03905	-0.13802	0.0028
0.06199	0.011119	0.81061	0.047112	0.30966	-0.0702	0.12984	-0.12595	0.00642
1.02E-10	0.416116	5.57E-21	-0.0957	0.03871	-0.01002	0.82899	-0.01515	0.74396
7.98E-13	0.263631	7.27E-09	0.005239	0.9101	-0.16033	0.00051	0.121711	0.00846
1.46E-09	0.452449	6.04E-25	0.03886	0.40213	0.07327	0.11382	-0.00303	0.94794
3.88E-08	0.256107	1.98E-08	-0.02871	0.53604	-0.01993	0.66745	0.008008	0.86297



2.03E-15	0.394503	7.68E-19	0.05698	0.21905	0.044902	0.33293	0.00483	0.91708
3.60E-11	0.496746	1.80E-30	0.003123	0.94634	0.087789	0.058	-0.04312	0.35246
4.26E-15	0.357736	1.52E-15	-0.01129	0.80778	0.021653	0.64069	0.09336	0.04374
2.42E-09	0.301229	2.99E-11	0.057487	0.21497	0.101814	0.0278	-0.13568	0.0033
6.17E-14	0.552487	1.12E-38	0.057982	0.21105	0.055266	0.23325	-0.00138	0.97621
4.88E-19	-0.55578	3.28E-39	-0.11359	0.01404	-0.11289	0.01465	-0.08936	0.05363
4.28E-11	0.226132	7.90E-07	0.118967	0.01008	0.037116	0.42359	0.249824	4.47E-08
3.13E-09	0.340974	3.54E-14	0.0429	0.35496	-0.03574	0.44104	-0.07439	0.10839
6.41E-10	-0.29828	4.74E-11	0.010517	0.82068	0.031173	0.50158	0.020656	0.65616
9.70E-16	-0.39184	1.38E-18	-0.03	0.51781	-0.01672	0.71857	-0.06228	0.1791
9.37E-06	-0.31423	3.68E-12	-0.10293	0.02613	-0.05142	0.26748	0.043348	0.34995
0.03566	0.220776	1.45E-06	-0.08883	0.05508	-0.02185	0.63763	0.016915	0.71543
1.37E-05	0.041449	0.37148	-0.02602	0.57486	-0.15474	0.00079	0.098783	0.03283
0.3374	0.045918	0.3221	-0.00628	0.89228	0.013534	0.77051	0.107176	0.02053
2.89E-05	0.138854	0.00264	-0.08822	0.05678	-0.03799	0.41269	-0.06863	0.13864
1.06E-16	0.45138	8.03E-25	-0.0386	0.40533	0.022771	0.62355	0.158279	0.0006
0.70926	0.029739	0.52147	-0.06096	0.18848	-0.02003	0.666	-0.17328	0.00017
4.18E-30	0.584923	3.28E-44	0.049712	0.28369	0.055769	0.22902	0.137685	0.00287
7.27E-09	0.367666	2.15E-16	0.084714	0.06739	0.022248	0.63154	0.13866	0.00267
2.59E-14	0.486028	4.66E-29	0.093271	0.04395	0.045691	0.3245	0.206719	6.67E-06
0.32496	-0.00262	0.95502	0.092141	0.04658	0.04527	0.32897	-0.08196	0.07684
0.00214	0.115388	0.01259	0.064713	0.16266	0.061411	0.18524	-0.0766	0.09826
0.61433	0.01987	0.66845	-0.06678	0.1496	-0.02348	0.61277	-0.13663	0.00309
1.31E-38	0.653524	3.21E-58	0.015395	0.74003	0.084349	0.06858	0.199913	1.35E-05
4.84E-14	0.497032	1.65E-30	0.088327	0.05647	0.073691	0.11175	0.138293	0.00275
0.00014	0.225034	8.96E-07	-0.09148	0.04819	-0.04222	0.36262	-0.11305	0.01451
0.0052	0.16004	0.00052	-0.02957	0.52384	-0.02338	0.61434	-0.14199	0.0021
5.02E-23	0.454376	3.61E-25	-0.03868	0.40432	0.04441	0.33826	-0.00435	0.9253
1.51E-10	0.407036	4.61E-20	0.013753	0.7669	-0.01261	0.78587	0.021412	0.64443
2.06E-23	0.486893	3.60E-29	0.065462	0.15784	0.068799	0.13767	0.15759	0.00063
8.32E-07	0.304462	1.79E-11	0.214497	2.90E-06	0.025497	0.5826	-0.08996	0.05205
1.45E-10	0.269072	3.45E-09	0.04559	0.32557	0.020571	0.65748	0.160377	0.0005
0.22553	0.095033	0.04009	-0.00511	0.91238	0.037912	0.41371	-0.01724	0.7102
0.13205	0.183882	6.41E-05	0.054909	0.23629	0.037453	0.41939	0.003135	0.94613
0.00187	-0.05813	0.20991	0.086291	0.06243	0.019411	0.67566	0.014616	0.75275
1.03E-05	0.289983	1.69E-10	0.135871	0.00326	0.083174	0.07254	0.160864	0.00048
4.61E-39	0.619035	9.61E-51	0.068791	0.13771	-0.02521	0.5868	0.072491	0.11772
5.47E-31	0.570472	1.14E-41	0.049204	0.28865	0.099334	0.03186	-0.03096	0.5045
2.86E-13	0.441013	1.21E-23	0.104041	0.02455	0.034051	0.4629	0.204755	8.19E-06
5.34E-13	-0.37726	3.05E-17	-0.04855	0.29507	-0.05985	0.19672	-0.066	0.15447
1.55E-10	0.366045	2.97E-16	-0.03175	0.49364	-0.00632	0.89171	0.239805	1.56E-07
5.76E-35	0.633965	7.28E-54	0.074667	0.10707	0.101026	0.02904	0.315376	3.04E-12
0.00032	0.221751	1.30E-06	-0.07387	0.11088	0.086543	0.06166	0.076311	0.09954
0.01697	0.115607	0.01242	0.076565	0.09842	0.089147	0.05421	-0.04463	0.33588
0.08919	0.07549	0.10325	0.0758	0.10184	0.000636	0.98906	-0.09115	0.04899

0.15097	0.219755	1.63E-06	0.029308	0.52753	0.111551	0.01588	-0.12557	0.00659
0.01273	0.138355	0.00273	0.051433	0.26733	-0.02297	0.6205	-0.04655	0.3155
2.74E-21	0.518774	1.56E-33	0.058063	0.21041	0.080845	0.08094	0.201261	1.17E-05
0.00338	0.013152	0.77683	-0.00292	0.94982	0.059669	0.19804	0.117822	0.01083
2.01E-23	0.423895	8.65E-22	-0.01774	0.70224	0.022855	0.62226	0.08977	0.05254
1.52E-14	0.470853	3.83E-27	0.054195	0.24245	0.142896	0.00196	-0.12593	0.00643
3.50E-07	0.376612	3.48E-17	0.032154	0.48821	0.134654	0.00355	-0.01117	0.80981
0.0457	0.106633	0.02118	-0.03761	0.41739	-0.04444	0.33789	0.150362	0.00112
2.25E-16	0.3566	1.89E-15	-0.04671	0.31386	0.01816	0.69549	0.141547	0.00217
5.37E-32	0.57483	2.01E-42	0.040735	0.37978	0.047733	0.30332	0.220517	1.49E-06
4.82E-34	0.620479	4.88E-51	-0.05133	0.2683	0.122234	0.00818	0.074029	0.11011
2.94E-11	0.390897	1.69E-18	-0.06353	0.17047	-0.04595	0.32174	0.150874	0.00107
5.80E-13	0.446653	2.79E-24	0.038116	0.4112	0.081173	0.07971	-0.02624	0.5717
1.47E-13	0.412667	1.25E-20	-0.11809	0.01065	0.034784	0.45331	0.01293	0.78049
6.71E-17	0.411517	1.64E-20	0.030361	0.51279	0.071977	0.12035	-0.01382	0.76574
1.18E-26	0.483017	1.14E-28	0.016519	0.7218	0.065374	0.1584	0.131628	0.00438
0.00566	-0.03546	0.44463	-0.10138	0.02848	0.016922	0.71531	-0.20133	1.16E-05
1.71E-07	0.359789	1.02E-15	0.099517	0.03154	0.072006	0.1202	0.073296	0.11369
1.45E-10	0.248217	5.48E-08	-0.12485	0.00691	-0.04632	0.31789	0.085318	0.06545
1.97E-12	0.266117	5.19E-09	-0.08061	0.08184	0.124383	0.00712	-0.05658	0.22235
1.59E-14	-0.30873	9.03E-12	-0.00435	0.92528	0.036055	0.43697	-0.07232	0.11861
0.00021	0.243549	9.85E-08	-0.02876	0.53525	0.023144	0.61787	0.032425	0.48455
1.71E-05	0.288764	2.02E-10	-0.12909	0.00521	0.059119	0.20222	-0.09949	0.03158
1.26E-20	0.491044	1.03E-29	0.167705	0.00027	0.101099	0.02893	0.103732	0.02498
4.36E-24	0.555728	3.34E-39	0.038616	0.40509	0.091622	0.04783	0.045749	0.32389
0.09724	0.134464	0.0036	-0.14051	0.00234	0.043832	0.34459	-0.07235	0.11844
2.03E-05	0.20766	6.04E-06	-0.05138	0.26786	0.022444	0.62854	0.096139	0.03782
0.00015	0.272033	2.29E-09	0.054896	0.23641	0.029891	0.51934	0.009052	0.84532
6.77E-14	-0.3318	1.83E-13	0.100785	0.02943	-0.07476	0.10662	-0.03946	0.39488
4.55E-09	0.404739	7.79E-20	-0.01549	0.7385	0.080665	0.08162	-0.09616	0.03778
0.00034	-0.12521	0.00674	0.028983	0.53211	0.038543	0.40598	0.0468	0.31288
6.75E-21	0.44169	1.01E-23	0.009124	0.8441	0.010722	0.81725	0.120988	0.00887
1.10E-28	0.560164	6.24E-40	0.026989	0.56071	0.139163	0.00258	0.219313	1.71E-06
3.45E-08	0.28956	1.80E-10	0.162585	0.00042	0.042956	0.35432	0.070682	0.12719
1.26E-08	0.257935	1.56E-08	0.007065	0.87898	-0.02763	0.55141	0.027787	0.54918
0.00188	0.048853	0.2921	-0.06004	0.19525	-0.02167	0.6404	0.01309	0.77785
6.97E-14	0.403436	1.05E-19	0.105488	0.02262	0.017705	0.70276	0.196114	1.97E-05
0.00058	0.225205	8.79E-07	-0.13471	0.00354	-0.01248	0.78791	-0.09556	0.03899
1.25E-54	0.733133	6.98E-80	0.075568	0.10289	0.118299	0.01051	0.152309	0.00096
0.54058	0.066101	0.15381	0.045564	0.32584	-0.02252	0.62731	-0.17503	0.00014
2.57E-25	0.596515	2.42E-46	-0.10469	0.02366	0.123685	0.00745	0.095213	0.03971
5.96E-06	-0.18972	3.68E-05	0.03224	0.48704	0.060534	0.1916	0.017738	0.70222
0.00219	0.083287	0.07215	0.136236	0.00318	0.042911	0.35483	0.214088	3.04E-06
6.24E-07	0.322722	8.84E-13	-0.01397	0.76337	-0.04222	0.36266	-0.09855	0.03324
1.38E-05	0.322594	9.03E-13	0.092369	0.04604	0.050705	0.27417	-0.15296	0.00091

3.28E-08	0.44775	2.09E-24	0.058232	0.20908	0.103282	0.02562	-0.03771	0.41622
0.0412	0.071245	0.12418	0.019702	0.67108	0.024048	0.60421	-0.04293	0.35465
4.09E-17	0.401676	1.56E-19	0.05006	0.28033	0.082981	0.07321	0.101899	0.02767
3.02E-29	0.538806	1.61E-36	0.010066	0.82824	0.064968	0.16101	0.262883	8.05E-09
3.91E-11	0.342875	2.50E-14	0.046443	0.31659	0.122544	0.00802	0.064305	0.16533
3.81E-32	0.692524	5.98E-68	0.14733	0.00141	0.134398	0.00362	0.101703	0.02797
8.02E-10	0.240192	1.49E-07	0.040232	0.3857	-0.00537	0.90787	0.080308	0.08298
0.00117	0.188509	4.14E-05	-0.0097	0.83439	0.012143	0.79354	-0.19156	3.08E-05
1.41E-23	0.44201	9.32E-24	0.013839	0.76549	0.026181	0.57251	0.25223	3.28E-08
1.36E-07	-0.32804	3.54E-13	-0.01719	0.71098	-0.05989	0.19635	-0.10508	0.02315
5.34E-09	0.402501	1.29E-19	0.048277	0.29783	0.155041	0.00077	-0.05055	0.27569
9.39E-11	0.462634	3.81E-26	0.017563	0.70502	0.165602	0.00033	0.004618	0.92072
4.65E-14	0.500946	4.89E-31	0.074403	0.10832	0.130768	0.00465	0.102992	0.02604
5.14E-08	0.282549	5.08E-10	0.013269	0.77489	0.025343	0.58487	0.103258	0.02565
0.00753	0.350108	6.51E-15	-0.03999	0.38862	0.120514	0.00914	0.056457	0.22332
4.60E-25	0.529339	4.40E-35	0.070926	0.12588	0.102996	0.02603	0.114392	0.01338
6.62E-07	0.35907	1.17E-15	-0.007	0.88007	0.048786	0.29276	0.019727	0.67069
3.40E-17	-0.45518	2.90E-25	-0.06409	0.16673	-0.11103	0.01637	-0.08741	0.0591
7.40E-05	0.327161	4.12E-13	0.013507	0.77097	0.125818	0.00648	0.006268	0.89253
0.00091	-0.18309	6.90E-05	0.008727	0.85081	0.004985	0.91445	-0.00196	0.96634
4.37E-06	0.283176	4.63E-10	0.069873	0.13162	0.016	0.7302	0.026131	0.57325
2.01E-40	0.669373	5.38E-62	0.006933	0.88122	0.090285	0.0512	0.205503	7.57E-06
9.24E-19	-0.41479	7.61E-21	0.046749	0.3134	-0.03195	0.49101	-0.22239	1.21E-06
5.72E-05	0.232557	3.74E-07	0.084617	0.0677	0.037532	0.41841	-0.03769	0.41645
0.15753	0.123404	0.00759	0.044998	0.3319	0.016197	0.72701	-0.02547	0.58304
2.54E-08	0.39274	1.13E-18	0.085477	0.06495	0.031903	0.4916	0.084907	0.06677
4.40E-10	0.341875	3.00E-14	-0.00179	0.96915	0.041059	0.376	-0.08346	0.07155
2.48E-13	0.395461	6.22E-19	0.059656	0.19814	0.009728	0.83392	0.185017	5.76E-05
6.99E-30	0.626401	2.91E-52	0.064076	0.16685	0.113149	0.01443	0.082518	0.07483
0.23543	-0.19714	1.78E-05	-0.02982	0.52028	-0.09002	0.05189	-0.11458	0.01323
4.63E-05	0.209081	5.20E-06	-0.0275	0.55325	0.028398	0.54043	0.038901	0.40163
2.36E-11	0.490746	1.13E-29	0.064765	0.16232	0.075851	0.10161	-0.04482	0.33377
2.09E-14	0.535508	5.16E-36	0.079541	0.08598	0.066301	0.15257	0.158716	0.00058
4.55E-08	0.293983	9.19E-11	0.077733	0.09338	-0.02432	0.60007	0.002087	0.96412
5.35E-35	0.554172	5.99E-39	0.033002	0.4768	0.049719	0.28362	0.170414	0.00022
8.67E-09	0.22294	1.14E-06	0.013868	0.76502	0.068844	0.13741	0.179913	9.25E-05
3.22E-30	0.67311	6.41E-63	0.062445	0.17793	0.130519	0.00473	0.07376	0.11141
1.57E-11	0.366508	2.71E-16	0.108422	0.0191	0.035627	0.44244	0.149715	0.00117
6.05E-44	0.620445	4.96E-51	0.187201	4.69E-05	0.136521	0.00311	0.242288	1.15E-07
6.51E-25	0.393201	1.02E-18	0.148081	0.00133	0.104264	0.02424	-0.02224	0.63163
9.97E-69	0.788492	#####	0.135627	0.00332	0.133668	0.00381	0.260781	1.07E-08
6.57E-08	0.278656	8.93E-10	0.019698	0.67115	-0.00057	0.99015	0.148436	0.0013
1.32E-07	-0.22734	6.87E-07	0.048453	0.29608	0.005342	0.90834	0.031962	0.4908
2.93E-09	-0.23516	2.74E-07	-0.01091	0.81418	-0.06324	0.17247	-0.04916	0.28908
1.11E-11	0.260682	1.08E-08	0.115379	0.01259	-0.00404	0.93068	0.085011	0.06643

1.31E-08	0.232614	3.71E-07	0.133944	0.00373	-0.0613	0.18605	0.000172	0.99705
2.54E-09	-0.26155	9.62E-09	0.024559	0.59654	-0.05216	0.26065	0.101939	0.02761
3.43E-30	0.636645	1.92E-54	-0.02555	0.58178	0.152425	0.00095	0.104308	0.02418
1.32E-26	0.618522	1.22E-50	0.126312	0.00627	0.164216	0.00037	0.258859	1.38E-08
4.80E-07	0.333248	1.42E-13	0.298383	4.66E-11	0.110614	0.01679	0.096503	0.03709
1.09E-09	-0.30478	1.70E-11	-0.07115	0.12471	-0.0982	0.03388	-0.04692	0.31169
7.56E-24	0.370063	1.33E-16	-0.00021	0.99645	-0.0624	0.17825	0.077494	0.09439
0.00055	0.245367	7.85E-08	0.080478	0.08234	-0.00197	0.96616	0.063501	0.1707
8.93E-07	-0.20752	6.13E-06	0.014073	0.76164	-0.00598	0.89753	-0.05803	0.21067
9.83E-19	0.390889	1.69E-18	-0.00444	0.92384	-0.03277	0.47996	0.082635	0.07442
3.17E-44	0.622852	1.59E-51	0.024115	0.60319	0.09602	0.03806	0.162358	0.00043
1.05E-09	-0.31526	3.10E-12	0.032649	0.48153	-0.0213	0.64615	-0.20718	6.35E-06
2.12E-32	0.482911	1.17E-28	0.10552	0.02257	0.056803	0.22049	0.13156	0.0044
1.94E-20	0.527377	8.62E-35	0.172457	0.00018	0.061617	0.18376	0.139994	0.00243
8.35E-10	-0.39141	1.51E-18	-0.10469	0.02366	-0.11286	0.01468	-0.04743	0.30644
4.16E-42	0.599697	6.06E-47	0.119871	0.00952	0.076941	0.09677	0.296834	5.93E-11
3.55E-11	-0.33603	8.64E-14	-0.04585	0.32285	-0.11005	0.01736	0.044406	0.33831
3.86E-12	0.319014	1.66E-12	-0.02377	0.60837	-0.0399	0.38962	0.132247	0.0042
3.02E-28	-0.46259	3.86E-26	-0.00085	0.98531	-0.06016	0.19435	-0.261	1.04E-08
7.05E-23	0.506469	8.55E-32	0.026144	0.57306	0.06671	0.15005	0.14614	0.00154
3.72E-31	0.558656	1.11E-39	0.008902	0.84784	0.070704	0.12707	0.168197	0.00026
2.25E-16	0.414504	8.14E-21	0.123282	0.00765	0.079681	0.08543	0.207145	6.38E-06
2.38E-34	0.59114	2.41E-45	0.151444	0.00103	0.050078	0.28015	0.266203	5.13E-09
3.28E-09	0.353641	3.33E-15	0.154276	0.00082	0.136829	0.00305	0.041998	0.36517
3.72E-36	0.648769	3.93E-57	-0.0031	0.94676	0.119458	0.00977	0.228239	6.20E-07
6.43E-36	0.609391	8.14E-49	0.00609	0.89558	0.161962	0.00044	0.349676	7.06E-15
3.77E-18	0.437387	3.04E-23	0.020946	0.65165	0.189662	3.71E-05	0.012074	0.79469
2.54E-23	0.528743	5.40E-35	0.024187	0.60211	0.12924	0.00516	-0.06361	0.16995
1.09E-34	0.664311	9.16E-61	0.080234	0.08327	0.102001	0.02752	0.351818	4.71E-15
1.69E-39	0.706106	1.03E-71	0.124706	0.00697	0.112655	0.01486	0.230331	4.85E-07
3.04E-16	-0.34211	2.87E-14	-0.0836	0.07107	-0.02018	0.66358	-0.07583	0.1017
8.42E-10	0.369925	1.36E-16	0.050326	0.27778	-0.00864	0.85231	-0.00717	0.87726
1.66E-10	0.253584	2.75E-08	0.018516	0.68982	-0.08769	0.05828	0.11749	0.01105
3.31E-38	0.658684	2.01E-59	0.075844	0.10164	0.063786	0.16878	0.097261	0.03562
3.55E-16	0.382876	9.41E-18	0.115989	0.01213	0.04263	0.35799	-0.08299	0.07319
1.16E-31	0.521736	5.82E-34	0.077259	0.09539	0.08876	0.05527	0.210074	4.68E-06
1.76E-12	0.465365	1.79E-26	0.132278	0.00419	0.062517	0.17743	0.205423	7.64E-06
7.10E-63	0.671741	1.40E-62	0.056749	0.22093	0.094133	0.04202	0.177691	0.00011
3.99E-56	0.725109	2.35E-77	0.113795	0.01387	0.109671	0.01775	0.275346	1.43E-09
6.32E-27	0.566017	6.54E-41	0.08673	0.0611	0.035828	0.43986	-0.08348	0.0715
6.67E-24	0.495724	2.47E-30	-0.01998	0.66668	0.083978	0.06981	0.154112	0.00083
7.30E-07	0.257526	1.64E-08	0.099436	0.03168	0.089674	0.0528	0.113265	0.01432
5.48E-23	0.451507	7.76E-25	0.02783	0.54856	0.086397	0.0621	0.215881	2.50E-06
2.02E-09	-0.29488	8.00E-11	-0.01193	0.79715	-0.11902	0.01004	-0.08405	0.06956
9.27E-09	0.380382	1.59E-17	0.226889	7.24E-07	0.098268	0.03375	-0.00438	0.92476

1.19E-40	0.637279	1.40E-54	0.09055	0.05052	0.15828	0.0006	0.144408	0.00176
0.00375	0.219092	1.75E-06	0.270315	2.91E-09	0.064242	0.16575	-0.06631	0.15254
3.17E-52	0.663019	1.87E-60	0.081878	0.07712	0.103986	0.02463	0.163937	0.00037
6.56E-40	0.654015	2.47E-58	-0.02224	0.6317	0.119137	0.00997	0.044163	0.34096
1.07E-62	0.66147	4.39E-60	0.03535	0.446	0.115078	0.01283	0.117818	0.01083
1.61E-17	0.477843	5.16E-28	-0.04246	0.35996	0.004992	0.91432	0.077756	0.09328
1.13E-27	0.474941	1.19E-27	-0.07175	0.12153	0.06574	0.15608	0.217404	2.11E-06
5.28E-16	0.353488	3.43E-15	-0.00977	0.83324	0.023275	0.61588	0.338341	5.70E-14
3.59E-17	-0.31712	2.27E-12	0.063334	0.17182	0.062386	0.17835	0.01881	0.68516
5.68E-11	-0.26987	3.09E-09	0.025676	0.57995	0.044394	0.33844	-0.06624	0.15292
1.87E-36	0.50553	1.15E-31	0.00031	0.99466	-0.01585	0.73257	0.179269	9.81E-05
6.02E-32	0.520022	1.03E-33	0.028598	0.53757	0.098973	0.03249	0.133206	0.00393
1.63E-14	0.476828	6.93E-28	0.115693	0.01235	0.240749	1.39E-07	0.10999	0.01742
1.10E-18	0.446173	3.17E-24	-0.02465	0.59511	0.063274	0.17223	0.211189	4.15E-06
3.38E-62	0.703571	5.40E-71	0.078019	0.09217	0.124187	0.00721	0.201591	1.13E-05
2.92E-30	0.515238	5.02E-33	0.0284	0.5404	0.037748	0.41573	0.128603	0.00538
1.03E-09	0.345659	1.49E-14	0.012269	0.79145	0.055669	0.22986	0.086433	0.062
0.10103	0.103746	0.02496	0.04885	0.29213	0.100349	0.03014	-0.10879	0.01869
5.62E-36	0.623947	9.43E-52	0.062882	0.17491	0.186202	5.15E-05	0.349592	7.17E-15
6.57E-32	0.547007	8.43E-38	0.112305	0.01518	0.076436	0.09899	0.042135	0.36361
7.97E-24	0.474737	1.27E-27	0.058358	0.20809	0.059245	0.20125	0.086291	0.06243
2.22E-34	0.558824	1.04E-39	0.079817	0.08489	0.110171	0.01723	0.205668	7.44E-06
1.01E-27	0.613248	1.40E-49	0.059994	0.1956	0.112327	0.01516	0.108534	0.01897
7.10E-15	-0.29791	5.02E-11	-0.05188	0.2632	-0.03394	0.46431	-0.24486	8.36E-08
4.16E-43	0.471073	3.60E-27	0.078464	0.09032	0.0492	0.28868	0.127209	0.00591
5.10E-18	-0.33926	4.83E-14	-0.027	0.56058	-0.00924	0.84214	-0.12049	0.00915
1.10E-13	0.306636	1.27E-11	0.03946	0.39489	0.011547	0.80346	0.008415	0.85608
1.51E-07	0.285275	3.40E-10	0.140348	0.00237	0.002847	0.95108	0.117629	0.01096
0.00069	-0.18632	5.10E-05	0.047668	0.30398	-0.19658	1.88E-05	-0.02472	0.59414
0.00673	0.111792	0.01565	-0.08324	0.07232	0.003797	0.93479	-0.11799	0.01071
2.00E-39	0.535408	5.35E-36	-0.02782	0.54869	0.088775	0.05523	0.111914	0.01554
4.68E-17	-0.42898	2.49E-22	-0.04068	0.38042	-0.15021	0.00113	0.002327	0.96001
1.26E-17	0.409041	2.91E-20	-0.10402	0.02458	0.046568	0.31528	0.001517	0.97393
3.44E-30	0.62115	3.55E-51	0.036407	0.43251	0.092562	0.04559	0.160516	0.0005
5.82E-18	0.45888	1.07E-25	0.019068	0.68107	0.023696	0.60951	-0.10305	0.02595
1.18E-51	0.708064	2.84E-72	0.103568	0.02521	0.175788	0.00013	0.360498	8.87E-16
3.02E-28	0.542335	4.58E-37	0.022959	0.62068	0.083114	0.07275	0.139149	0.00258
7.70E-36	0.626971	2.21E-52	0.051444	0.26723	0.094324	0.04161	0.091667	0.04773
0.00079	0.183688	6.53E-05	-0.05204	0.26168	0.01797	0.69852	-0.10882	0.01866
1.04E-23	0.593149	1.03E-45	0.150638	0.00109	0.129419	0.00509	0.237236	2.13E-07
4.30E-26	0.516584	3.22E-33	0.073821	0.11112	0.085092	0.06617	0.188683	4.07E-05
6.13E-08	-0.18321	6.83E-05	-0.11308	0.01449	-0.0169	0.71567	0.048525	0.29536
4.30E-30	0.460478	6.90E-26	0.126534	0.00618	0.055226	0.23359	0.089402	0.05352
7.74E-27	0.582846	7.75E-44	0.09058	0.05044	0.13629	0.00317	0.215106	2.72E-06
4.23E-17	0.548723	4.50E-38	0.203046	9.77E-06	0.10439	0.02407	0.149011	0.00124

4.27E-44	0.664721	7.29E-61	0.120457	0.00917	0.146637	0.00149	0.14171	0.00214
3.34E-31	0.627291	1.90E-52	0.037644	0.41703	0.08516	0.06596	0.129941	0.00492
4.05E-07	0.235297	2.70E-07	-0.00478	0.91801	-0.01932	0.67716	-0.06962	0.13302
5.93E-35	0.572637	4.84E-42	0.157885	0.00062	0.145289	0.00164	0.182932	7.00E-05
8.08E-09	0.190079	3.56E-05	0.044431	0.33803	-0.01128	0.8079	-0.00366	0.93704
2.05E-31	0.625436	4.63E-52	0.079791	0.08499	0.110713	0.01669	0.420502	1.96E-21
9.36E-39	0.602383	1.86E-47	0.077271	0.09534	0.13706	0.003	0.240385	1.46E-07
6.20E-08	0.307017	1.19E-11	0.127975	0.00561	-0.02732	0.55592	0.108825	0.01865
4.11E-29	0.49544	2.70E-30	0.032971	0.47721	0.120319	0.00925	0.243508	9.90E-08
3.82E-28	0.571462	7.71E-42	0.183282	6.78E-05	0.076473	0.09882	0.229733	5.21E-07
1.15E-18	0.550245	2.57E-38	0.143234	0.00192	0.0793	0.08693	0.053287	0.25044
3.89E-31	-0.5228	4.06E-34	-0.09631	0.03747	-0.0628	0.1755	-0.14797	0.00134
6.15E-43	0.643741	5.31E-56	0.077126	0.09597	0.071176	0.12455	0.209695	4.87E-06
7.68E-21	0.520661	8.34E-34	0.048689	0.29373	0.095515	0.03909	0.256448	1.90E-08
4.99E-12	0.264717	6.28E-09	0.035157	0.44848	0.033402	0.47147	0.142429	0.00203
8.26E-39	0.71585	1.51E-74	0.090404	0.05089	0.156761	0.00067	-0.01656	0.72109
2.47E-14	0.41459	7.98E-21	0.098681	0.03301	0.118815	0.01017	0.112472	0.01503
3.95E-36	0.620345	5.20E-51	0.028525	0.53861	0.085977	0.06339	0.160305	0.00051
5.31E-12	0.20893	5.28E-06	0.025053	0.58918	0.017922	0.69929	-0.07355	0.11245
3.83E-06	-0.30554	1.51E-11	-0.05058	0.27537	-0.09509	0.03997	-0.1334	0.00388
1.85E-43	0.653687	2.94E-58	0.074444	0.10813	0.122387	0.0081	0.245182	8.03E-08
2.30E-09	0.427906	3.25E-22	0.075702	0.10228	0.051944	0.2626	0.042465	0.35986
5.26E-22	0.625376	4.77E-52	0.141777	0.00213	0.148769	0.00126	0.01643	0.72325
2.18E-14	0.446994	2.55E-24	0.012177	0.79297	0.070975	0.12562	0.134348	0.00363
4.32E-13	0.356762	1.83E-15	0.046405	0.31699	0.10297	0.02607	0.059958	0.19588
7.31E-40	0.549971	2.85E-38	-0.00911	0.84431	0.059704	0.19778	0.02755	0.55259
6.16E-14	-0.38212	1.10E-17	-0.00766	0.8688	-0.09004	0.05182	-0.1568	0.00067
2.64E-20	0.434696	6.00E-23	-0.05902	0.20297	0.099502	0.03157	0.002009	0.96546
7.00E-29	0.60387	9.65E-48	0.018345	0.69254	0.112753	0.01477	0.071194	0.12446
1.18E-26	0.478393	4.40E-28	0.034556	0.45628	0.062468	0.17777	0.0488	0.29262
3.03E-20	-0.44595	3.36E-24	-0.01737	0.70814	-0.0478	0.3026	0.067181	0.14718
3.56E-48	0.639936	3.68E-55	0.135055	0.00345	0.094006	0.0423	0.270383	2.88E-09
0.00334	-0.17828	0.00011	-0.03668	0.42909	-0.10087	0.02928	-0.10982	0.01759
1.10E-43	0.655696	1.00E-58	0.20636	6.92E-06	0.121706	0.00847	0.349016	7.99E-15
2.62E-26	0.523517	3.20E-34	0.058228	0.20912	0.142055	0.00209	0.220868	1.44E-06
6.44E-17	0.436768	3.56E-23	0.003372	0.94206	0.114985	0.0129	0.203411	9.41E-06
4.77E-28	0.529355	4.38E-35	0.02499	0.59011	0.007158	0.87739	0.161217	0.00047
8.26E-14	0.3426	2.63E-14	0.14031	0.00237	-0.05755	0.2145	0.081969	0.0768
0.03553	0.058972	0.20334	-0.03891	0.40155	-0.05811	0.21005	-0.12784	0.00567
1.59E-15	-0.36651	2.71E-16	-0.13993	0.00244	-0.05298	0.25316	-0.2173	2.14E-06
1.74E-23	0.548687	4.56E-38	0.081284	0.0793	0.117381	0.01113	0.122184	0.00821
3.21E-27	0.462991	3.46E-26	0.036312	0.4337	-0.01293	0.78053	0.057448	0.21529
4.85E-36	-0.60559	4.50E-48	-0.00556	0.90454	-0.09827	0.03375	-0.28261	5.03E-10
1.87E-19	0.494224	3.92E-30	0.012555	0.7867	0.20684	6.58E-06	0.06303	0.1739
1.32E-14	0.384771	6.30E-18	0.067293	0.14651	0.050484	0.27627	0.082176	0.07605

0.32549	0.013348	0.77359	-0.01174	0.80017	0.058347	0.20818	0.081447	0.0787
2.99E-13	0.551052	1.91E-38	-0.08336	0.0719	0.185099	5.72E-05	0.044225	0.34027
8.84E-11	0.337077	7.16E-14	0.016441	0.72306	0.02059	0.65718	0.079493	0.08617
3.28E-47	0.685893	3.46E-66	0.118723	0.01023	0.121986	0.00832	0.304234	1.86E-11
1.51E-06	0.336445	8.02E-14	0.066029	0.15426	0.132653	0.00408	0.118123	0.01063
1.76E-45	0.69908	9.71E-70	-0.05702	0.21873	0.194871	2.23E-05	0.172086	0.00019
4.80E-11	0.423096	1.05E-21	0.03811	0.41127	0.067396	0.14589	-0.00863	0.85236
7.15E-20	0.461153	5.73E-26	0.001522	0.97384	0.12277	0.00791	0.043971	0.34307
3.54E-20	0.384309	6.94E-18	0.03555	0.44342	0.051636	0.26544	0.244534	8.71E-08
1.21E-22	-0.46121	5.64E-26	-0.12364	0.00747	-0.045	0.33183	0.029024	0.53153
1.00E-50	0.669315	5.56E-62	0.058969	0.20337	0.115443	0.01255	0.02074	0.65485
4.91E-18	-0.49169	8.48E-30	-0.01399	0.76296	-0.14803	0.00134	-0.18147	8.02E-05
3.93E-32	0.54665	9.61E-38	0.077044	0.09632	0.164335	0.00036	0.166328	0.00031
1.66E-38	0.60687	2.53E-48	0.04679	0.31298	0.106482	0.02137	0.074282	0.1089
3.78E-30	0.40989	2.39E-20	0.151337	0.00104	0.046607	0.31488	0.038522	0.40623
5.57E-22	0.406868	4.79E-20	0.129204	0.00517	0.082474	0.07499	0.174075	0.00016
1.20E-14	-0.35112	5.38E-15	-0.01911	0.68034	-0.12757	0.00577	-0.17141	0.0002
1.54E-22	0.331801	1.83E-13	0.009048	0.84538	0.000135	0.99768	0.27258	2.12E-09
2.53E-11	-0.33776	6.33E-14	-0.04481	0.33393	-0.13671	0.00307	-0.1063	0.02159
6.53E-09	0.267417	4.34E-09	0.037122	0.42351	0.014029	0.76237	-0.18009	9.10E-05
1.42E-11	0.218996	1.77E-06	0.13054	0.00472	0.091821	0.04735	-0.01748	0.70635
4.79E-14	0.411064	1.82E-20	-0.01649	0.72229	0.088389	0.0563	-0.04471	0.33496
0.00964	0.01498	0.7468	0.0672	0.14707	-0.01761	0.70428	-0.01601	0.73009
1.71E-62	0.689194	4.66E-67	0.098032	0.03418	0.096581	0.03694	0.170585	0.00021
3.94E-27	-0.52074	8.12E-34	-0.11722	0.01124	-0.11159	0.01584	-0.13424	0.00366
1.28E-23	0.503864	1.95E-31	0.022439	0.62862	0.046486	0.31614	0.099867	0.03095
1.10E-26	0.459294	9.53E-26	0.045295	0.32871	0.013107	0.77756	-0.01817	0.69531
4.90E-58	0.784027	2.35E-98	0.134122	0.00369	0.146355	0.00152	0.244598	8.64E-08
5.51E-16	0.37506	4.79E-17	-0.04397	0.34302	0.085839	0.06382	0.203922	8.92E-06
1.44E-30	0.511707	1.59E-32	0.022245	0.63159	0.081076	0.08007	-0.02552	0.5822
6.47E-15	0.396357	5.11E-19	-0.01556	0.73741	-0.02023	0.66278	0.154693	0.0008
9.03E-11	-0.33852	5.52E-14	-0.03371	0.46743	-0.01792	0.6993	-0.11664	0.01165
2.41E-42	0.635465	3.46E-54	0.112148	0.01532	0.008451	0.85547	0.121403	0.00863
2.91E-12	0.422722	1.15E-21	0.0162	0.72697	0.068306	0.14052	0.215069	2.73E-06
8.12E-11	0.335907	8.83E-14	0.096478	0.03714	0.152294	0.00096	0.219091	1.75E-06
3.20E-35	0.536704	3.39E-36	0.056244	0.22508	0.028313	0.54165	0.204549	8.36E-06
4.65E-29	0.609244	8.70E-49	0.063169	0.17295	0.067892	0.14294	-0.00073	0.98745
0.00058	0.253911	2.64E-08	-0.01936	0.6764	-0.02673	0.56453	-0.07581	0.1018
1.59E-13	0.360011	9.76E-16	0.044771	0.33434	-0.06652	0.15124	-0.00232	0.96017
4.25E-28	0.593232	9.91E-46	0.10049	0.02991	0.107724	0.01989	0.089211	0.05404
8.33E-11	-0.35904	1.18E-15	0.017083	0.71272	-0.03224	0.48699	-0.18589	5.31E-05
1.27E-12	0.459201	9.78E-26	0.210131	4.65E-06	0.253303	2.86E-08	0.167697	0.00027
3.15E-30	0.568447	2.53E-41	0.130994	0.00458	0.046064	0.32055	0.113406	0.0142
4.56E-09	-0.25696	1.77E-08	0.075957	0.10113	-0.00981	0.83257	-0.03284	0.47892
1.23E-50	0.662097	3.11E-60	-0.02114	0.64858	0.111929	0.01552	0.159475	0.00054

5.46E-56	0.800941	#####	0.087283	0.05946	0.150377	0.00112	0.190487	3.42E-05
9.56E-28	0.510988	2.00E-32	0.083714	0.0707	0.12346	0.00756	0.178556	0.0001
1.88E-12	0.268701	3.64E-09	-0.03962	0.39303	0.032753	0.48013	0.078344	0.09082
1.85E-06	0.211972	3.82E-06	-0.01704	0.71337	0.062157	0.17994	0.058976	0.20331
2.49E-24	-0.53424	8.06E-36	-0.24148	1.27E-07	-0.18422	6.21E-05	-0.20097	1.21E-05
3.89E-17	0.311235	6.01E-12	-0.02504	0.58936	-0.00615	0.8945	0.100125	0.03051
8.93E-13	0.463225	3.24E-26	0.036256	0.43442	-0.02647	0.56823	0.062965	0.17434
1.29E-36	0.660943	5.85E-60	0.080352	0.08282	0.113347	0.01425	0.24177	1.23E-07
3.92E-08	0.303631	2.04E-11	0.180712	8.60E-05	0.034924	0.4515	-0.07769	0.09357
2.21E-29	0.572684	4.75E-42	0.130634	0.00469	0.14148	0.00218	0.102555	0.02668
2.31E-38	0.658615	2.08E-59	0.130883	0.00461	0.093399	0.04366	0.144268	0.00177
6.18E-15	-0.44022	1.48E-23	-0.1135	0.01412	-0.05876	0.20499	0.001095	0.98117
2.14E-10	0.405888	6.00E-20	0.115071	0.01284	0.134883	0.0035	0.085535	0.06477
5.42E-16	-0.3663	2.82E-16	0.043392	0.34946	-0.04242	0.36034	-0.26215	8.88E-09
5.51E-38	0.615291	5.48E-50	0.075561	0.10292	0.098557	0.03323	0.142688	0.00199
1.75E-17	0.405387	6.72E-20	0.01959	0.67284	0.075431	0.10352	0.00575	0.90137
1.14E-37	0.654236	2.19E-58	0.137453	0.00291	0.150946	0.00107	0.402986	1.16E-19
1.41E-36	0.629936	5.26E-53	0.12888	0.00528	0.141144	0.00223	0.212186	3.73E-06
1.26E-09	0.316822	2.39E-12	0.041899	0.36631	0.124912	0.00688	0.238885	1.75E-07
1.61E-37	0.721484	3.05E-76	0.127505	0.00579	0.175953	0.00013	0.300082	3.58E-11
1.79E-51	0.732235	1.35E-79	0.157783	0.00062	0.1564	0.00069	0.36725	2.34E-16
1.58E-09	0.343157	2.37E-14	0.051186	0.26964	0.085326	0.06543	0.201199	1.18E-05
6.71E-17	0.463363	3.12E-26	0.05191	0.26292	0.081378	0.07895	-0.12374	0.00742
2.50E-16	0.388263	2.98E-18	0.126131	0.00635	0.105079	0.02315	0.11187	0.01558
3.55E-37	0.622873	1.57E-51	0.193563	2.54E-05	0.119197	0.00993	0.293046	1.06E-10
8.72E-51	0.656567	6.29E-59	0.085999	0.06332	0.061528	0.1844	0.212813	3.49E-06
2.62E-35	0.501402	4.24E-31	0.001107	0.98097	0.03185	0.49232	0.068691	0.13829
1.75E-07	0.249827	4.47E-08	0.068177	0.14127	-0.06859	0.13887	0.274974	1.51E-09
4.44E-43	0.659419	1.34E-59	0.008959	0.84689	0.119008	0.01005	0.017262	0.70984
1.48E-32	0.561428	3.85E-40	0.028941	0.53271	0.098837	0.03273	0.197285	1.75E-05
1.34E-16	0.417768	3.77E-21	0.062568	0.17708	0.063882	0.16814	0.190559	3.40E-05
8.37E-19	0.524758	2.10E-34	0.095835	0.03843	0.115347	0.01262	0.154347	0.00082
2.60E-21	0.423022	1.07E-21	0.087313	0.05938	0.131729	0.00435	0.193277	2.61E-05
5.41E-22	0.466182	1.42E-26	0.079246	0.08715	0.076165	0.1002	0.212105	3.76E-06
1.70E-08	-0.33364	1.32E-13	-0.12425	0.00718	-0.04935	0.28719	-0.1923	2.87E-05
1.16E-42	0.67355	4.98E-63	0.115448	0.01254	0.07311	0.11461	0.15801	0.00061
0.40171	-0.04501	0.33179	0.019078	0.68091	-0.0775	0.09435	-0.09341	0.04364
2.83E-46	0.596252	2.71E-46	0.189225	3.86E-05	0.155094	0.00077	0.325751	5.26E-13
8.63E-17	-0.4262	4.93E-22	-0.15542	0.00075	-0.0813	0.07926	-0.19291	2.70E-05
7.24E-28	0.554148	6.04E-39	0.018481	0.69038	0.140235	0.00239	0.051682	0.26501
8.76E-20	0.354059	3.08E-15	-0.00925	0.84191	0.006508	0.88846	-0.05182	0.26372
5.52E-17	-0.57066	1.06E-41	-0.19417	2.39E-05	-0.16875	0.00025	-0.04645	0.31655
9.64E-38	0.56688	4.67E-41	0.088555	0.05584	0.176433	0.00013	0.201786	1.11E-05
3.25E-19	0.460236	7.37E-26	0.050199	0.27899	0.132145	0.00423	0.320441	1.30E-12
2.11E-06	0.408008	3.69E-20	0.086398	0.0621	0.104404	0.02405	-0.03919	0.39808



1.37E-17	0.398415	3.23E-19	-0.00611	0.89524	-0.04443	0.33805	0.037109	0.42367
2.49E-38	0.624787	6.32E-52	0.065935	0.15486	0.10308	0.02591	0.023007	0.61996
7.32E-36	0.556556	2.45E-39	-0.00557	0.90444	0.060079	0.19497	-9.67E-05	0.99834
5.28E-20	0.377354	2.99E-17	0.034349	0.45899	-0.0027	0.95364	0.123087	0.00775
3.64E-14	0.436486	3.82E-23	0.046946	0.31137	0.044254	0.33996	0.057611	0.21398
5.92E-34	0.537723	2.37E-36	0.041577	0.37	0.05821	0.20925	0.272382	2.18E-09
6.28E-35	-0.66497	6.35E-61	-0.12659	0.00616	-0.12687	0.00604	-0.26366	7.25E-09
9.61E-22	0.477003	6.59E-28	0.03643	0.43222	0.061826	0.18228	0.089449	0.0534
4.58E-06	-0.3067	1.25E-11	0.048122	0.29939	-0.08727	0.0595	-0.02916	0.52955
1.26E-14	0.308843	8.87E-12	-0.01329	0.7745	0.087603	0.05853	0.267259	4.44E-09
1.50E-26	0.608124	1.44E-48	0.079817	0.08489	0.136277	0.00317	0.244094	9.20E-08
1.65E-28	0.57536	1.63E-42	0.131015	0.00457	0.058496	0.20702	0.101125	0.02888
9.52E-37	0.457343	1.62E-25	0.00406	0.93028	0.023277	0.61584	0.15102	0.00106
7.02E-11	0.398135	3.44E-19	0.131598	0.00439	0.202331	1.05E-05	0.03195	0.49097
5.04E-15	0.423483	9.55E-22	0.106321	0.02156	-0.02416	0.60245	0.121778	0.00843
6.50E-37	0.576611	9.85E-43	0.122313	0.00814	0.073767	0.11138	0.106598	0.02122
2.54E-13	0.35621	2.04E-15	-0.06902	0.13642	0.082798	0.07385	0.10438	0.02408
0.00144	0.201833	1.11E-05	-0.00778	0.86683	0.101283	0.02863	-0.05296	0.25333
4.83E-20	-0.53331	1.11E-35	-0.0909	0.04962	-0.21457	2.88E-06	-0.17669	0.00012
2.69E-24	-0.52788	7.25E-35	-0.08426	0.06886	-0.08442	0.06833	-0.09745	0.03527
9.99E-24	-0.48154	1.76E-28	-0.14862	0.00128	-0.12138	0.00864	-0.13409	0.0037
3.92E-15	0.283162	4.64E-10	0.0119	0.79758	0.104534	0.02387	0.100299	0.03022
1.40E-07	0.165787	0.00032	0.104345	0.02413	0.070001	0.1309	0.178065	0.00011
4.87E-12	0.270906	2.68E-09	0.133671	0.0038	-0.01994	0.66732	0.149654	0.00118
5.46E-11	0.389455	2.31E-18	0.095725	0.03866	0.030826	0.50635	0.124689	0.00698
3.73E-21	-0.45283	5.46E-25	-0.03846	0.40701	-0.09233	0.04613	-0.08367	0.07084
1.26E-11	-0.38924	2.42E-18	-0.00106	0.98172	-0.12251	0.00804	-0.09718	0.03579
1.41E-08	0.387011	3.90E-18	0.025565	0.58158	0.131109	0.00454	0.023944	0.60577
2.87E-35	0.582359	9.47E-44	0.12258	0.008	0.14158	0.00216	0.047757	0.30307
3.70E-72	0.819527	#####	0.081853	0.07722	0.113357	0.01425	0.194611	2.29E-05
3.05E-06	0.21823	1.93E-06	0.003577	0.93855	0.033785	0.4664	0.139152	0.00258
4.12E-12	0.343329	2.30E-14	0.102623	0.02658	0.005012	0.91398	-0.06826	0.14077
1.48E-38	0.677684	4.53E-64	0.110945	0.01646	0.103073	0.02592	0.070431	0.12855
2.66E-16	-0.36374	4.69E-16	-0.25851	1.44E-08	-0.11366	0.01398	-0.13733	0.00294
3.29E-05	0.230741	4.63E-07	0.007332	0.87445	0.097986	0.03427	0.078675	0.08946
3.02E-26	0.555437	3.73E-39	0.118139	0.01062	0.128076	0.00558	0.269323	3.34E-09
2.19E-09	0.33966	4.49E-14	-0.01194	0.79689	0.077	0.09651	-0.1531	0.0009
1.15E-31	0.537992	2.15E-36	0.019738	0.67052	0.088375	0.05634	-0.00888	0.84818
7.97E-43	0.637014	1.60E-54	0.059297	0.20085	0.113973	0.01372	0.061911	0.18168
3.78E-25	0.56632	5.82E-41	0.004362	0.9251	0.100546	0.02982	0.126439	0.00622
5.96E-10	0.430474	1.72E-22	0.113858	0.01382	0.126213	0.00631	0.133786	0.00377
1.07E-19	0.395294	6.46E-19	-0.00029	0.99504	-0.0484	0.2966	0.096001	0.03809
1.54E-11	0.380388	1.59E-17	0.084733	0.06733	0.089251	0.05393	0.157358	0.00064
4.89E-60	0.711346	3.19E-73	0.028564	0.53806	0.126554	0.00617	0.157031	0.00066
1.40E-28	0.641255	1.89E-55	0.025251	0.58624	0.122537	0.00803	0.157677	0.00063

1.30E-42	0.642149	1.20E-55	0.104642	0.02373	0.087929	0.0576	0.040835	0.37861
0.00012	-0.21234	3.67E-06	-0.07623	0.09992	-0.07388	0.11082	-0.16659	0.0003
1.27E-28	0.560116	6.35E-40	0.085911	0.0636	0.125633	0.00656	0.07042	0.12861
6.23E-19	-0.38617	4.67E-18	-0.10972	0.0177	-0.04527	0.32899	-0.14068	0.00231
2.98E-12	-0.4165	5.09E-21	-0.12108	0.00881	-0.06862	0.13871	0.014115	0.76096
1.01E-17	-0.49112	1.01E-29	-0.09369	0.043	-0.19833	1.58E-05	0.057075	0.21829
0.00107	0.179717	9.42E-05	0.027037	0.56002	0.020671	0.65591	0.120564	0.00911
0.0013	0.143495	0.00188	0.082235	0.07584	-0.06196	0.18133	-0.05765	0.21371
2.14E-25	0.401883	1.49E-19	0.102567	0.02666	0.008409	0.85619	0.095771	0.03856
2.12E-06	0.26815	3.92E-09	-0.03413	0.46182	0.082784	0.0739	0.065949	0.15477
4.55E-44	0.665799	4.00E-61	0.076627	0.09814	0.167157	0.00029	0.149852	0.00116
3.50E-30	0.577308	7.43E-43	0.002306	0.96037	0.090031	0.05186	0.053454	0.24896
7.10E-52	0.774518	1.54E-94	0.085338	0.06539	0.160501	0.0005	0.142437	0.00203
9.23E-15	0.369624	1.45E-16	-0.05431	0.24146	0.059004	0.2031	0.019214	0.67877
2.23E-13	0.323012	8.41E-13	-0.13936	0.00254	0.089149	0.05421	0.131714	0.00436
4.32E-56	0.679491	1.57E-64	0.099063	0.03233	0.185212	5.66E-05	0.295305	7.50E-11
4.73E-24	0.468288	7.90E-27	0.010135	0.82708	0.071255	0.12413	0.010118	0.82737
0.00512	0.197056	1.79E-05	0.044535	0.3369	0.07823	0.09129	0.072285	0.11877
2.10E-31	0.496352	2.04E-30	0.059394	0.20012	0.11482	0.01303	0.106169	0.02175
1.45E-06	-0.10686	0.02091	-0.02269	0.62485	0.02115	0.64847	-0.20942	5.01E-06
4.21E-31	0.47247	2.42E-27	0.071787	0.12134	0.092096	0.04669	0.237196	2.14E-07
3.65E-43	0.551185	1.82E-38	0.113056	0.01451	0.028997	0.53191	0.272324	2.20E-09
0.00526	-0.20434	8.55E-06	-0.06438	0.16485	-0.13315	0.00394	-0.09365	0.04308
4.30E-14	-0.30515	1.60E-11	-0.11521	0.01273	0.03278	0.47977	-0.1345	0.00359
1.68E-05	-0.21578	2.52E-06	-0.03579	0.44041	0.007804	0.86642	-0.04399	0.34281
1.43E-20	0.478845	3.86E-28	-0.08491	0.06674	0.008271	0.85852	0.037851	0.41446
1.25E-48	0.645362	2.31E-56	0.088545	0.05586	0.100836	0.02935	0.132518	0.00412
1.44E-14	-0.34225	2.80E-14	-0.15325	0.00089	-0.03584	0.43972	-0.1804	8.84E-05
1.13E-17	-0.55313	8.84E-39	-0.11876	0.01021	-0.14421	0.00178	-0.07862	0.08967
1.14E-11	0.323781	7.37E-13	0.102037	0.02746	0.105796	0.02222	0.119295	0.00987
2.43E-11	0.278777	8.78E-10	0.100612	0.02971	0.045377	0.32783	0.152686	0.00093
9.15E-24	0.532381	1.54E-35	0.128006	0.0056	0.080323	0.08293	0.126693	0.00611
4.70E-19	0.552829	9.88E-39	0.073984	0.11033	0.249541	4.63E-08	0.115734	0.01232
7.33E-31	0.541573	6.01E-37	0.084204	0.06906	0.118406	0.01044	0.035345	0.44606
0.00018	0.151813	0.001	-0.01803	0.6975	0.037538	0.41834	0.10133	0.02856
1.44E-07	-0.19543	2.11E-05	0.167029	0.00029	-0.052	0.26212	-0.05924	0.20128
7.98E-09	0.275116	1.48E-09	-0.05384	0.24551	0.072815	0.11609	-0.11845	0.01041
2.32E-06	-0.2201	1.57E-06	0.036683	0.42902	-0.07022	0.12971	-0.15498	0.00078
4.45E-10	-0.3626	5.88E-16	-0.09972	0.0312	-0.10607	0.02187	-0.11957	0.0097
0.00014	-0.27727	1.09E-09	0.028103	0.54464	-0.16258	0.00042	-0.22916	5.57E-07
4.21E-09	0.37229	8.45E-17	-0.08771	0.05823	0.04966	0.2842	0.012944	0.78026
8.69E-14	0.357341	1.64E-15	0.128924	0.00527	-0.01692	0.71536	0.082557	0.07469
1.22E-41	0.643428	6.23E-56	0.096875	0.03637	0.012061	0.79489	0.280668	6.68E-10
1.67E-11	0.253271	2.87E-08	0.028927	0.53291	0.02577	0.57855	-0.05949	0.19939
2.45E-31	0.536904	3.16E-36	0.106484	0.02136	0.099955	0.0308	0.236698	2.28E-07

2.13E-44	0.565617	7.64E-41	0.062032	0.18082	0.098447	0.03343	0.191614	3.07E-05
6.16E-08	-0.39276	1.13E-18	-0.01886	0.68441	-0.04871	0.29355	-0.18773	4.46E-05
7.37E-17	0.390362	1.90E-18	0.113695	0.01396	0.07704	0.09634	-0.03181	0.49285
3.54E-28	0.471131	3.54E-27	0.212904	3.45E-06	0.042589	0.35846	0.118895	0.01012
8.50E-44	0.717509	4.83E-75	0.043471	0.34858	0.145236	0.00165	0.222306	1.22E-06
4.50E-28	0.526756	1.07E-34	0.002311	0.96027	0.037685	0.41651	0.198484	1.55E-05
9.53E-31	0.625154	5.30E-52	0.103267	0.02564	0.156818	0.00067	0.207329	6.25E-06
2.67E-21	0.554956	4.46E-39	0.030966	0.50442	0.111952	0.0155	0.049107	0.2896
1.50E-25	-0.55798	1.43E-39	-0.08001	0.08413	-0.13232	0.00418	-0.2182	1.93E-06
2.44E-07	-0.28488	3.61E-10	0.0008	0.98624	0.038237	0.40971	0.045247	0.32923
3.35E-07	0.276881	1.15E-09	0.166507	0.0003	-0.00513	0.91204	0.028208	0.54314
1.63E-22	0.545206	1.62E-37	0.003141	0.94602	0.078636	0.08962	0.166164	0.00031
4.86E-18	0.347883	9.88E-15	0.032221	0.4873	0.1284	0.00546	0.202215	1.06E-05
8.79E-33	-0.65922	1.50E-59	-0.08422	0.06901	-0.14679	0.00147	-0.13525	0.00341
9.70E-17	-0.52795	7.10E-35	-0.05396	0.24453	-0.13482	0.00351	-0.20874	5.39E-06
1.51E-29	0.500975	4.85E-31	0.091057	0.04923	0.041336	0.37278	0.1497	0.00118
6.02E-07	0.22362	1.05E-06	0.027266	0.5567	0.118497	0.01038	0.114073	0.01364
1.93E-22	0.526162	1.30E-34	0.106676	0.02113	0.187851	4.41E-05	0.016678	0.71925
2.56E-08	0.188654	4.08E-05	-0.06937	0.13445	0.011515	0.80399	-0.04549	0.3266
1.34E-25	0.487495	3.00E-29	0.007466	0.87216	0.006414	0.89006	0.185472	5.52E-05
8.72E-24	-0.46101	5.96E-26	-0.10605	0.0219	-0.14211	0.00208	0.011652	0.80171
0.00018	-0.24432	8.95E-08	-0.03724	0.42202	-0.09187	0.04723	-0.10643	0.02143
1.03E-23	0.573536	3.38E-42	0.065788	0.15578	0.161836	0.00045	0.132285	0.00419
2.88E-06	-0.17795	0.00011	-0.00396	0.93193	-0.05857	0.20646	-0.2009	1.22E-05
3.69E-16	0.385669	5.20E-18	-0.0134	0.7727	0.05369	0.24687	0.142059	0.00209
5.64E-26	0.499976	6.63E-31	0.071343	0.12367	0.079206	0.08731	0.15348	0.00088
1.96E-06	-0.1653	0.00033	0.005803	0.90047	-0.02522	0.58667	-0.22159	1.32E-06
1.83E-24	0.491279	9.61E-30	-0.0005	0.99144	-0.0418	0.36748	0.033364	0.47197
1.59E-30	0.572666	4.78E-42	0.059713	0.19771	0.103874	0.02478	0.175419	0.00014
3.91E-52	0.531193	2.32E-35	0.09977	0.03111	0.024364	0.59946	0.172379	0.00018
1.55E-22	0.508476	4.50E-32	0.162424	0.00043	0.08805	0.05725	-0.11652	0.01174
1.30E-11	0.299372	4.00E-11	-0.07871	0.08933	0.014094	0.76131	-0.21246	3.62E-06
5.23E-15	0.401658	1.56E-19	-0.09149	0.04815	0.079145	0.08755	0.121776	0.00843
1.32E-10	-0.29496	7.91E-11	-0.12119	0.00875	0.030581	0.50975	-0.14582	0.00158
4.91E-11	-0.29814	4.84E-11	-0.04103	0.37631	-0.04046	0.38304	-0.22266	1.17E-06
1.62E-06	-0.19649	1.90E-05	0.027642	0.55126	-0.04117	0.37469	-0.12385	0.00737
5.71E-21	0.475519	1.01E-27	0.082642	0.07439	0.137703	0.00286	0.265749	5.45E-09
1.07E-30	0.590799	2.79E-45	0.056655	0.2217	0.071405	0.12334	-0.0497	0.28381
3.57E-13	0.339726	4.44E-14	-0.07097	0.12567	0.181879	7.72E-05	0.041159	0.37484
4.37E-34	0.574246	2.55E-42	0.024064	0.60396	0.053117	0.25196	0.205459	7.61E-06
1.80E-07	-0.2611	1.02E-08	-0.04034	0.38438	-0.05791	0.2116	-0.07078	0.12669
3.06E-26	0.511318	1.80E-32	0.064424	0.16455	0.055887	0.22804	0.132976	0.00399
4.40E-34	0.557433	1.76E-39	0.117261	0.01121	0.054466	0.2401	0.269539	3.24E-09
1.24E-12	-0.29762	5.25E-11	0.043816	0.34477	-0.00975	0.83363	-0.1119	0.01555
4.18E-10	0.266683	4.80E-09	-0.08621	0.06268	0.023958	0.60556	0.062414	0.17815

2.25E-05	-0.26156	9.62E-09	-0.0905	0.05065	-0.15323	0.00089	-0.14502	0.00168
1.79E-25	0.601019	3.40E-47	0.034753	0.45371	0.087919	0.05763	0.238791	1.77E-07
1.77E-18	0.308159	9.90E-12	-0.01914	0.67995	-0.0226	0.62617	0.157902	0.00062
1.43E-06	0.158062	0.00061	-0.03645	0.43199	0.051609	0.26569	-0.04228	0.36191
3.82E-06	0.20757	6.10E-06	-0.09223	0.04638	0.039976	0.38874	0.07249	0.11773
3.22E-33	0.605155	5.45E-48	0.02941	0.52609	0.099779	0.0311	0.350306	6.27E-15
1.95E-20	0.466669	1.24E-26	0.048094	0.29967	0.068219	0.14102	0.082885	0.07354
1.47E-07	0.386076	4.77E-18	0.119996	0.00944	0.073537	0.1125	0.058789	0.20475
3.65E-16	-0.31992	1.42E-12	-0.0482	0.29857	-0.02853	0.53851	-0.10112	0.02889
5.17E-49	0.6659	3.78E-61	0.052564	0.25694	0.07683	0.09726	0.12557	0.00659
0.00016	0.122721	0.00793	0.018577	0.68886	-0.12939	0.0051	-0.04322	0.35138
0.00028	-0.1727	0.00018	0.066015	0.15435	0.046656	0.31437	-0.07837	0.09073
3.43E-27	0.586091	2.02E-44	0.040503	0.3825	0.108837	0.01864	0.080118	0.08372
3.35E-24	0.488701	2.09E-29	0.148147	0.00132	0.091141	0.04902	0.31614	2.68E-12
2.09E-18	0.482089	1.49E-28	0.10451	0.02391	0.066556	0.15099	0.208644	5.44E-06
1.78E-12	-0.35628	2.01E-15	-0.12492	0.00688	-0.06908	0.13604	-0.08432	0.06869
2.83E-07	0.325602	5.39E-13	-0.02654	0.56731	-0.10745	0.0202	-0.12059	0.00909
0.00606	0.075214	0.10452	-0.06588	0.1552	-0.04929	0.28778	0.000143	0.99755
3.61E-11	0.191902	2.98E-05	0.0215	0.64306	0.008031	0.86258	0.038079	0.41166
2.80E-13	0.347882	9.88E-15	0.072881	0.11575	-0.03684	0.42707	0.153442	0.00088
1.63E-20	0.422564	1.19E-21	0.010694	0.81771	0.024132	0.60294	0.073919	0.11065
1.32E-16	-0.51615	3.72E-33	-0.00101	0.98271	-0.08919	0.05411	-0.13149	0.00442
2.67E-24	0.53193	1.80E-35	0.002182	0.9625	0.046812	0.31275	0.235941	2.50E-07
3.88E-36	0.544203	2.33E-37	0.045582	0.32566	0.018803	0.68527	0.080825	0.08102
5.51E-08	0.196175	1.96E-05	-0.02909	0.53064	-0.0225	0.62775	0.282454	5.15E-10
4.31E-19	0.51809	1.96E-33	0.039381	0.39584	0.180722	8.59E-05	-0.03335	0.47219
3.85E-31	0.475212	1.10E-27	0.085542	0.06474	-0.0521	0.26117	0.101691	0.02799
6.93E-15	0.405828	6.08E-20	-0.03596	0.43815	0.012051	0.79507	0.065747	0.15604
7.90E-15	0.417142	4.37E-21	0.121717	0.00846	0.131159	0.00452	0.237382	2.10E-07
4.10E-09	0.239907	1.54E-07	0.047269	0.30805	-0.02754	0.55275	-0.16543	0.00033
2.10E-31	0.618786	1.08E-50	0.195112	2.18E-05	0.067652	0.14437	0.082194	0.07598
2.06E-06	0.286901	2.67E-10	0.135208	0.00342	0.089388	0.05356	0.007095	0.87846
3.26E-24	0.429393	2.25E-22	0.35924	1.13E-15	0.147386	0.0014	0.111424	0.016
2.70E-29	0.567413	3.80E-41	0.062177	0.17981	0.060517	0.19173	0.345619	1.51E-14
2.06E-10	0.215812	2.52E-06	0.16685	0.00029	0.012089	0.79444	0.043314	0.35032
2.37E-20	0.465874	1.55E-26	0.0704	0.12872	0.055586	0.23056	0.021366	0.64513
5.06E-14	0.331729	1.85E-13	-0.03575	0.44081	0.056503	0.22295	0.068095	0.14175
5.34E-27	0.634914	4.55E-54	0.059052	0.20273	0.137639	0.00288	0.091474	0.0482
1.30E-13	0.303997	1.93E-11	0.006736	0.88457	0.123088	0.00775	0.055999	0.22711
2.46E-19	0.457247	1.66E-25	0.004995	0.91428	0.056219	0.22528	-0.07669	0.09787
3.07E-15	0.397432	4.02E-19	0.003185	0.94527	0.078892	0.08858	-0.05507	0.23494
8.12E-18	0.469537	5.56E-27	0.052806	0.25475	0.055769	0.22902	0.144899	0.00169
1.88E-08	0.446102	3.22E-24	0.261428	9.79E-09	0.232087	3.95E-07	0.050168	0.27929
4.03E-34	0.498935	9.16E-31	0.090879	0.04968	0.040306	0.38483	-0.04261	0.35817
1.47E-06	0.238538	1.82E-07	0.034735	0.45395	0.047025	0.31055	0.155173	0.00077

8.94E-05	-0.18465	5.96E-05	-0.03139	0.49866	-0.01776	0.70195	-0.07954	0.08598
3.26E-55	0.694039	2.33E-68	0.08964	0.05289	0.177324	0.00012	0.183951	6.37E-05
8.65E-49	0.730436	5.05E-79	0.044552	0.33672	0.135694	0.0033	0.279098	8.38E-10
5.72E-07	0.143096	0.00194	-0.07936	0.08671	-0.04966	0.28421	0.133396	0.00388
3.32E-22	0.568743	2.25E-41	0.213	3.42E-06	0.22931	5.47E-07	0.056668	0.22159
1.69E-07	0.252041	3.36E-08	-0.04163	0.36937	0.016513	0.7219	0.051229	0.26924
7.86E-12	-0.37476	5.09E-17	0.021584	0.64176	-0.08262	0.07447	-0.18796	4.36E-05
1.24E-08	-0.24864	5.20E-08	0.030495	0.51094	-0.0411	0.37549	-0.02504	0.58933
3.41E-23	0.508323	4.73E-32	0.080779	0.08119	0.116313	0.01189	0.136115	0.00321
2.31E-35	0.60342	1.18E-47	0.107812	0.01979	0.111788	0.01565	0.200512	1.27E-05
7.11E-25	0.437329	3.09E-23	0.012809	0.78249	0.038275	0.40925	0.115359	0.01261
4.38E-25	0.482734	1.24E-28	-0.00065	0.9888	0.092436	0.04588	0.022472	0.62811
1.63E-08	0.231474	4.24E-07	-0.08827	0.05664	-0.05259	0.25673	-0.05549	0.23138
0.00031	-0.09955	0.03148	0.015941	0.73116	0.015985	0.73044	-0.08793	0.05761
2.63E-43	-0.63807	9.43E-55	-0.08799	0.05743	-0.10296	0.02608	-0.15783	0.00062
6.82E-20	0.430005	1.93E-22	0.000686	0.9882	0.028169	0.5437	-0.00428	0.92649
1.55E-27	0.567635	3.48E-41	-0.00549	0.90573	0.058034	0.21064	-0.0216	0.64156
8.43E-38	0.628561	1.03E-52	0.08833	0.05646	0.039385	0.39579	0.192393	2.84E-05
5.28E-15	0.260905	1.05E-08	-0.12316	0.00771	-0.0117	0.80083	0.007964	0.86371
5.26E-33	0.532479	1.49E-35	0.080945	0.08056	0.106476	0.02137	0.041972	0.36547
5.94E-37	0.643902	4.89E-56	0.095224	0.03969	0.120015	0.00943	0.108954	0.01851
1.99E-24	0.54598	1.23E-37	-0.05891	0.2038	0.050161	0.27936	0.032056	0.48952
6.89E-10	0.28127	6.12E-10	0.038339	0.40846	0.042706	0.35714	0.160299	0.00051
7.44E-05	-0.14288	0.00197	0.076517	0.09863	0.060189	0.19415	-0.11311	0.01446
1.49E-16	0.467817	9.02E-27	0.107985	0.01959	0.123229	0.00768	0.077917	0.0926
4.05E-08	0.227072	7.09E-07	0.018724	0.68652	0.005593	0.90406	0.03942	0.39537
4.47E-15	0.421829	1.42E-21	0.057616	0.21395	-0.00243	0.95816	0.098035	0.03418
2.01E-29	-0.55623	2.77E-39	-0.11844	0.01042	-0.12641	0.00623	-0.09053	0.05056
1.12E-20	0.41215	1.41E-20	-0.00302	0.94803	0.013105	0.7776	0.051509	0.26662
3.00E-23	0.507656	5.85E-32	0.044515	0.33712	0.113655	0.01399	0.043166	0.35198
2.84E-31	0.553401	7.98E-39	0.151371	0.00103	0.086009	0.06329	0.071741	0.12158
3.07E-33	0.503451	2.23E-31	-0.00349	0.94004	0.053147	0.25169	0.154244	0.00082
7.81E-25	0.562197	2.86E-40	0.065387	0.15832	0.127242	0.0059	0.161858	0.00045
2.02E-26	0.52981	3.74E-35	0.017886	0.69985	0.090755	0.04999	0.040141	0.38677
3.92E-32	0.509964	2.79E-32	0.093652	0.04309	0.044928	0.33265	0.289357	1.85E-10
3.84E-15	0.360288	9.24E-16	0.022434	0.6287	0.074798	0.10646	0.264448	6.51E-09
1.49E-13	-0.40944	2.65E-20	-0.0461	0.32021	-0.17274	0.00018	-0.25509	2.26E-08
7.83E-10	-0.1675	0.00028	-0.02651	0.56762	0.027396	0.55481	-0.09954	0.0315
7.36E-11	0.288337	2.16E-10	0.05471	0.238	0.156043	0.00071	0.086992	0.06032
4.10E-27	-0.46387	2.71E-26	-0.08034	0.08284	-0.03837	0.40803	-0.27276	2.06E-09
1.59E-34	0.579746	2.76E-43	0.043851	0.34438	0.059389	0.20016	0.13896	0.00262
9.53E-11	-0.17546	0.00014	0.001528	0.97373	-0.06518	0.15962	-0.18642	5.05E-05
7.49E-09	-0.27623	1.26E-09	-0.09254	0.04564	-0.02466	0.59506	-0.08866	0.05555
9.69E-28	0.499752	7.11E-31	0.016494	0.72222	0.118901	0.01012	0.175047	0.00014
1.22E-10	0.328321	3.37E-13	-0.05602	0.2269	-0.01401	0.76267	0.034213	0.46077

3.47E-18	0.405865	6.03E-20	-0.11689	0.01147	0.05751	0.21479	0.232039	3.97E-07
1.89E-45	0.60143	2.84E-47	0.052144	0.26076	0.108688	0.0188	0.21942	1.69E-06
1.59E-13	0.313685	4.02E-12	0.048004	0.30058	0.056793	0.22057	0.161198	0.00047
9.31E-59	0.726059	1.19E-77	0.091069	0.0492	0.113866	0.01381	0.225858	8.15E-07
8.84E-30	0.532611	1.42E-35	-0.03838	0.40802	0.084488	0.06813	0.08695	0.06045
8.47E-22	-0.44296	7.30E-24	-0.15088	0.00107	-0.1567	0.00068	-0.14125	0.00222
7.19E-17	0.331755	1.85E-13	-0.05246	0.25785	-0.01312	0.77732	0.108664	0.01883
4.01E-36	0.63753	1.24E-54	0.027875	0.54792	0.143192	0.00192	0.145107	0.00167
2.54E-22	0.411501	1.64E-20	0.008824	0.84917	0.031848	0.49236	0.253966	2.62E-08
0.00148	0.202471	1.04E-05	-0.03299	0.477	0.114326	0.01343	-0.01854	0.68947
1.10E-41	0.433875	7.37E-23	-0.06936	0.13447	-0.07057	0.1278	0.144744	0.00171
4.37E-22	-0.45795	1.37E-25	-0.10987	0.01754	-0.05776	0.21279	-0.20005	1.33E-05
3.48E-15	0.387863	3.25E-18	-0.005	0.91413	0.077001	0.09651	0.069192	0.13543
0.00019	0.218774	1.81E-06	0.153736	0.00086	0.089111	0.05431	0.101977	0.02755
3.33E-13	0.245572	7.65E-08	0.075487	0.10326	0.001662	0.97142	0.076441	0.09897
0.00454	0.130851	0.00462	0.025349	0.58478	0.137903	0.00282	0.119041	0.01003
5.43E-23	0.465101	1.93E-26	0.035266	0.44708	0.0147	0.75138	0.26544	5.69E-09
2.82E-13	0.307838	1.04E-11	-0.03029	0.51382	0.052809	0.25473	0.245704	7.53E-08
1.82E-15	0.365493	3.32E-16	-0.06416	0.16631	-0.04934	0.28732	-0.07113	0.12479
7.00E-33	0.57115	8.73E-42	0.041335	0.37279	0.025066	0.58898	0.23391	3.18E-07
6.91E-12	0.273987	1.74E-09	0.075294	0.10415	-0.04333	0.35013	0.00199	0.9658
7.73E-15	0.466225	1.41E-26	0.235605	2.60E-07	0.183261	6.79E-05	-0.00996	0.83001
2.96E-51	0.696349	5.48E-69	0.137891	0.00283	0.122093	0.00826	0.494425	3.68E-30
2.20E-18	0.394602	7.52E-19	0.049298	0.28772	0.009879	0.83139	0.270835	2.70E-09
2.15E-17	0.39451	7.67E-19	0.056929	0.21947	0.146836	0.00146	0.144686	0.00172
9.66E-31	0.562486	2.56E-40	0.159346	0.00055	0.144157	0.00179	0.14159	0.00216
8.95E-45	0.72774	3.57E-78	0.011453	0.80502	0.130366	0.00478	0.184888	5.83E-05
8.77E-10	0.352728	3.97E-15	0.077365	0.09494	0.061638	0.18361	-0.04599	0.32134
3.75E-11	0.276424	1.23E-09	0.06625	0.15289	0.010212	0.8258	0.054628	0.2387
2.42E-05	-0.18416	6.24E-05	0.018028	0.69759	-0.05634	0.2243	-0.06716	0.14733
8.04E-14	0.339542	4.59E-14	0.012762	0.78327	-0.07079	0.12659	-0.08142	0.07879
3.26E-23	0.454438	3.55E-25	0.067538	0.14504	0.090073	0.05175	-0.06344	0.17113
1.97E-08	0.22418	9.88E-07	0.026094	0.57379	0.039475	0.39471	0.176457	0.00013
0.01546	0.088534	0.05589	-0.01787	0.70007	-0.09095	0.04949	-0.09502	0.04012
0.00011	0.21454	2.89E-06	0.117003	0.01139	0.004555	0.9218	0.119105	0.00999
0.01392	0.172634	0.00018	0.025303	0.58546	-0.0361	0.4364	0.06297	0.17431
2.20E-18	0.45925	9.65E-26	-0.02452	0.59705	0.068259	0.14079	0.234769	2.87E-07
5.29E-11	0.332628	1.58E-13	-0.00886	0.84861	0.129228	0.00516	-0.03166	0.49488
2.54E-27	0.522435	4.60E-34	-0.02669	0.56511	0.041338	0.37276	0.168871	0.00025
1.81E-22	0.465898	1.54E-26	0.090353	0.05102	0.131895	0.0043	0.04131	0.37309
1.80E-05	0.27245	2.16E-09	0.004229	0.92737	0.119664	0.00964	-0.07314	0.11446
6.57E-07	0.182783	7.10E-05	0.026737	0.56438	0.017374	0.70805	-0.08549	0.06489
4.45E-12	0.311343	5.91E-12	-0.03559	0.4429	0.040285	0.38508	0.133917	0.00374
2.98E-23	0.563363	1.83E-40	-0.10979	0.01763	0.136769	0.00306	0.085302	0.0655
1.45E-17	0.360525	8.83E-16	0.19078	3.33E-05	0.081951	0.07686	0.28008	7.27E-10

4.50E-13	-0.38011	1.68E-17	-0.08072	0.08142	-0.01812	0.69618	-0.04362	0.34694
5.43E-05	0.337499	6.64E-14	-0.09063	0.05031	0.118651	0.01028	-0.08131	0.07921
6.20E-16	0.400849	1.88E-19	-0.0709	0.126	0.069537	0.13349	0.242905	1.07E-07
1.42E-06	-0.18068	8.62E-05	-0.11749	0.01106	-0.08561	0.06452	-0.08796	0.05752
7.05E-06	-0.37065	1.18E-16	-0.03679	0.42773	-0.16095	0.00048	-0.11006	0.01735
2.89E-11	-0.27018	2.96E-09	-0.06437	0.16491	-0.04668	0.31407	-0.01861	0.68827
1.89E-54	0.659591	1.22E-59	0.069998	0.13092	0.087083	0.06005	0.258293	1.49E-08
2.96E-07	-0.28652	2.83E-10	0.032761	0.48003	-0.11504	0.01286	-0.09449	0.04125
4.10E-18	-0.39448	7.73E-19	-0.10562	0.02245	-0.09987	0.03094	-0.24539	7.83E-08
2.98E-27	-0.58597	2.12E-44	-0.06426	0.16566	-0.116	0.01212	-0.12708	0.00596
1.32E-06	0.166013	0.00031	0.067261	0.14671	0.00882	0.84924	0.04456	0.33663
2.53E-11	0.413102	1.13E-20	0.037106	0.42372	0.099757	0.03113	0.096636	0.03683
8.15E-11	0.329693	2.65E-13	-0.02528	0.58581	0.103275	0.02563	0.104516	0.0239
7.13E-23	0.530553	2.90E-35	0.079722	0.08526	0.204715	8.22E-06	0.097285	0.03558
2.81E-36	0.628792	9.18E-53	0.139858	0.00245	0.157981	0.00061	0.243044	1.05E-07
1.36E-14	0.400462	2.05E-19	0.09824	0.0338	0.119308	0.00986	0.029762	0.52115
3.55E-11	0.341939	2.97E-14	-0.00555	0.90473	0.041193	0.37444	0.113763	0.0139
1.73E-12	0.517295	2.55E-33	0.058151	0.20972	0.11462	0.01319	0.070148	0.1301
2.64E-32	0.445074	4.22E-24	0.067058	0.14793	0.009508	0.83763	0.21707	2.19E-06
2.29E-21	0.470851	3.83E-27	0.002813	0.95166	0.041058	0.37601	0.129754	0.00498
5.52E-22	0.548335	5.19E-38	0.036783	0.42776	0.093405	0.04364	-0.0182	0.69482
3.69E-25	0.482489	1.33E-28	0.042936	0.35456	0.040587	0.38151	0.131196	0.00451
1.96E-17	0.475105	1.14E-27	0.093963	0.0424	0.106737	0.02105	0.119075	0.01001
2.86E-37	0.657607	3.59E-59	0.003156	0.94577	0.202233	1.06E-05	0.25872	1.40E-08
1.34E-17	0.337034	7.21E-14	0.042531	0.35912	-0.0208	0.65389	-0.03541	0.44528
7.97E-54	0.626441	2.86E-52	0.131329	0.00447	0.075204	0.10457	0.303726	2.01E-11
2.17E-28	0.521809	5.68E-34	0.049663	0.28416	0.018147	0.6957	-0.02123	0.64723
2.12E-09	0.466388	1.35E-26	0.114726	0.01311	0.165822	0.00032	0.092448	0.04585
2.85E-10	0.285401	3.34E-10	0.076868	0.09709	0.010544	0.82022	0.260433	1.12E-08
1.48E-18	0.414988	7.27E-21	0.10854	0.01897	0.116651	0.01165	0.146938	0.00145
2.49E-07	-0.23131	4.33E-07	-0.07234	0.11851	-0.0298	0.52056	0.054184	0.24254
1.82E-24	0.375041	4.81E-17	0.032994	0.4769	0.095966	0.03817	0.257928	1.56E-08
1.61E-54	0.686211	2.86E-66	0.129888	0.00493	0.092272	0.04627	0.092852	0.04491
2.66E-27	0.541956	5.24E-37	0.001334	0.97706	0.128489	0.00542	0.120596	0.00909
6.79E-09	0.240647	1.41E-07	0.157852	0.00062	-0.02934	0.52706	0.014805	0.74966
0.00034	-0.18198	7.65E-05	0.018465	0.69064	-0.07373	0.11157	-0.13313	0.00395
6.34E-22	-0.58684	1.47E-44	-0.07241	0.11811	-0.13184	0.00432	-0.12382	0.00739
1.28E-12	-0.32002	1.40E-12	-0.21172	3.92E-06	-0.00964	0.83546	-0.23971	1.58E-07
6.28E-32	0.495774	2.44E-30	-0.02284	0.62246	0.076108	0.10045	0.198435	1.56E-05
1.05E-33	0.505896	1.03E-31	0.09507	0.04001	0.063576	0.17019	0.129289	0.00514
5.37E-25	0.455492	2.67E-25	0.085959	0.06345	0.006728	0.88471	0.085306	0.06549
2.05E-18	0.437187	3.20E-23	0.104468	0.02396	0.069856	0.13171	-0.00996	0.83007
8.82E-21	0.393228	1.02E-18	0.03936	0.39608	0.044949	0.33242	0.069544	0.13345
7.51E-16	0.374847	5.01E-17	-0.09024	0.05132	-0.03897	0.40076	-0.02565	0.58028
2.45E-22	0.436782	3.54E-23	-0.01675	0.71801	-0.00432	0.92577	0.389088	2.50E-18

2.03E-06	0.367845	2.07E-16	0.094455	0.04132	0.104734	0.02361	-0.12731	0.00587
1.56E-36	0.536332	3.87E-36	0.047118	0.3096	0.07092	0.12591	0.037834	0.41467
0.12412	0.114083	0.01363	-0.04	0.3885	-0.05978	0.19721	-0.00601	0.8969
3.15E-28	0.588395	7.70E-45	0.085821	0.06387	0.223591	1.06E-06	0.23882	1.76E-07
5.78E-09	0.277596	1.04E-09	-0.02033	0.66131	0.015655	0.7358	-0.03533	0.44621
0.00936	-0.2346	2.93E-07	0.070319	0.12916	-0.09275	0.04514	-0.03938	0.3959
2.50E-17	0.408229	3.51E-20	-0.01441	0.75617	-0.08613	0.06293	0.305693	1.47E-11
2.60E-35	0.588441	7.55E-45	0.068159	0.14137	0.009677	0.83479	-0.0069	0.88182
1.53E-32	0.596664	2.27E-46	0.104432	0.02401	0.126989	0.006	0.331649	1.88E-13
0.00131	0.212877	3.46E-06	0.033581	0.4691	0.072615	0.11709	0.197404	1.73E-05
3.39E-14	0.388792	2.66E-18	0.041362	0.37249	0.035405	0.44529	-0.05664	0.22185
2.82E-46	0.653096	4.03E-58	0.112224	0.01525	0.16631	0.00031	0.418751	2.98E-21
5.61E-14	0.43793	2.65E-23	0.119052	0.01002	0.050677	0.27443	0.237734	2.01E-07
2.24E-14	0.43027	1.81E-22	0.02456	0.59652	0.096803	0.03651	0.177288	0.00012
7.33E-05	0.146208	0.00153	0.019215	0.67875	-0.07632	0.09951	0.053761	0.24625
4.15E-78	0.777722	8.39E-96	0.098787	0.03282	0.10801	0.01956	0.280192	7.15E-10
9.35E-26	-0.53263	1.41E-35	-0.14932	0.00121	-0.12132	0.00868	-0.11967	0.00964
1.86E-39	0.602095	2.12E-47	0.010919	0.81396	0.036394	0.43266	0.180045	9.14E-05
1.59E-25	0.541253	6.74E-37	-0.004	0.93128	0.071336	0.12371	0.380567	1.53E-17
2.27E-06	0.293784	9.47E-11	0.18846	4.16E-05	0.022079	0.63415	0.150599	0.0011
3.66E-26	0.574298	2.49E-42	0.102909	0.02616	0.319619	1.50E-12	0.068332	0.14036
2.44E-15	0.43342	8.26E-23	0.018944	0.68303	-0.01319	0.77617	0.21029	4.57E-06
4.22E-11	0.348532	8.75E-15	0.11242	0.01507	0.094792	0.0406	0.062966	0.17433
4.53E-37	0.60526	5.20E-48	0.076729	0.0977	0.068009	0.14225	0.145932	0.00157
0.0005	0.177363	0.00012	0.011214	0.80901	0.101213	0.02874	0.024874	0.59183
1.17E-21	-0.49697	1.68E-30	-0.15815	0.0006	-0.07549	0.10327	-0.17034	0.00022
2.29E-30	0.588231	8.24E-45	0.039358	0.39612	0.132104	0.00424	0.131874	0.00431
1.23E-18	-0.50447	1.62E-31	-0.0587	0.20545	-0.06652	0.15122	-0.18803	4.33E-05
1.28E-39	0.58879	6.52E-45	0.031946	0.49102	0.062782	0.1756	0.001948	0.96652
1.75E-30	0.602634	1.67E-47	0.09681	0.03649	0.093319	0.04384	0.304485	1.78E-11
1.13E-09	0.527579	8.05E-35	0.120376	0.00922	0.089438	0.05343	0.061761	0.18274
6.05E-21	0.333407	1.38E-13	0.142165	0.00207	0.092883	0.04484	0.032261	0.48676
2.27E-35	0.626744	2.47E-52	0.222353	1.22E-06	0.084851	0.06695	0.13108	0.00455
2.58E-11	0.260361	1.13E-08	0.040054	0.38781	0.022143	0.63316	-0.01874	0.68633
4.07E-08	0.142271	0.00206	0.020431	0.65966	0.067981	0.14242	0.03519	0.44806
1.03E-15	0.319849	1.44E-12	0.011632	0.80205	0.042706	0.35713	0.02047	0.65906
2.04E-13	0.394332	7.98E-19	0.056887	0.2198	0.241979	1.20E-07	0.112747	0.01478
1.86E-05	0.426004	5.17E-22	0.091962	0.04701	0.085275	0.06559	0.151819	0.001
1.11E-18	0.428663	2.69E-22	0.039453	0.39497	0.153421	0.00088	0.079421	0.08645
1.23E-14	0.318926	1.68E-12	0.012111	0.79406	0.074993	0.10554	-0.08861	0.05568
3.25E-40	0.673989	3.87E-63	0.005218	0.91046	0.059739	0.19751	0.19868	1.52E-05
5.16E-13	0.324894	6.09E-13	0.047382	0.30689	0.089309	0.05377	0.150469	0.00111
1.49E-12	0.18771	4.47E-05	-9.68E-05	0.99834	-0.03516	0.44845	0.143869	0.00183
8.93E-22	0.407426	4.22E-20	-0.05039	0.27717	0.000468	0.99195	0.061411	0.18524
1.88E-19	0.382886	9.39E-18	0.033129	0.4751	0.041386	0.37221	0.232934	3.57E-07



1.44E-10	0.361566	7.20E-16	0.030124	0.51609	0.031685	0.49457	-0.05322	0.25109
1.69E-23	0.446024	3.29E-24	0.153576	0.00087	0.087413	0.05909	0.18008	9.11E-05
1.80E-19	0.502681	2.84E-31	0.019841	0.6689	0.090622	0.05033	0.13564	0.00331
4.45E-24	0.476722	7.14E-28	0.139542	0.00251	0.084239	0.06894	0.265755	5.45E-09
1.56E-06	0.302543	2.43E-11	0.088455	0.05611	0.110905	0.0165	0.178725	0.0001
4.54E-38	0.602254	1.97E-47	0.054116	0.24314	0.084214	0.06903	0.209354	5.05E-06
1.61E-24	0.495927	2.32E-30	0.043852	0.34437	0.105427	0.02269	0.177596	0.00011
2.15E-12	0.398644	3.07E-19	0.123806	0.00739	0.160766	0.00049	0.067388	0.14594
1.74E-14	0.48319	1.08E-28	0.08435	0.06858	0.225991	8.03E-07	0.066006	0.15441
2.48E-27	0.453781	4.23E-25	0.032881	0.47842	-0.00172	0.97035	0.218723	1.83E-06
3.81E-23	0.525416	1.68E-34	-0.07317	0.11432	0.085975	0.0634	0.229384	5.42E-07
3.93E-07	-0.28995	1.69E-10	-0.04223	0.36255	-0.11256	0.01495	-0.11951	0.00974
1.39E-18	0.510969	2.02E-32	0.026426	0.56892	0.127822	0.00567	0.177891	0.00011
5.95E-10	0.352851	3.87E-15	0.105783	0.02224	-2.94E-05	0.99949	0.100362	0.03012
2.83E-19	0.408556	3.25E-20	0.035168	0.44834	0.019284	0.67767	0.187376	4.61E-05
1.15E-26	0.489833	1.49E-29	0.096631	0.03684	0.147458	0.0014	0.145188	0.00166
2.67E-10	0.284666	3.72E-10	-0.01308	0.77794	0.006654	0.88597	0.085162	0.06595
1.64E-15	0.549965	2.85E-38	0.060431	0.19237	0.134424	0.00361	0.119689	0.00963
6.80E-19	0.36625	2.85E-16	-0.0221	0.63384	-0.081	0.08034	-0.00183	0.96854
8.07E-12	0.31883	1.71E-12	-0.03139	0.49865	-0.02711	0.55901	0.009273	0.84159
6.70E-10	0.419688	2.38E-21	0.072298	0.11871	0.089352	0.05366	0.157808	0.00062
1.09E-13	0.438375	2.36E-23	0.166998	0.00029	0.144591	0.00173	0.075121	0.10495
0.00014	-0.09899	0.03247	-0.00554	0.90503	0.020664	0.65603	-0.02724	0.5571
2.21E-44	0.631959	1.96E-53	0.115273	0.01268	0.043494	0.34832	0.172606	0.00018
2.83E-38	0.593809	7.74E-46	0.066711	0.15004	0.085582	0.06462	0.165533	0.00033
3.43E-16	0.449441	1.34E-24	0.222725	1.17E-06	0.124613	0.00701	-0.0426	0.35835
2.45E-17	0.557952	1.44E-39	0.003869	0.93355	0.069738	0.13236	0.120729	0.00901
5.15E-30	0.581097	1.59E-43	0.049818	0.28267	0.136469	0.00313	0.002191	0.96234
2.03E-19	0.415276	6.79E-21	0.07354	0.11249	0.045908	0.3222	0.265414	5.71E-09
1.95E-20	0.477391	5.89E-28	0.05673	0.22109	0.111945	0.01551	0.105305	0.02285
6.86E-17	0.506481	8.52E-32	0.147244	0.00142	0.131786	0.00433	0.203232	9.58E-06
1.77E-48	0.725255	2.12E-77	0.101312	0.02859	0.075486	0.10326	0.053907	0.24497
1.24E-09	0.317463	2.15E-12	0.115657	0.01238	-0.01223	0.7921	-0.07513	0.10491
0.00023	0.289692	1.76E-10	0.028638	0.53701	0.056764	0.22081	-0.04828	0.29782
1.70E-24	0.506399	8.75E-32	0.135575	0.00333	0.160659	0.00049	0.332506	1.62E-13
2.78E-09	0.320168	1.36E-12	-0.0386	0.4053	0.000901	0.98452	-0.25502	2.29E-08
5.15E-66	0.721444	3.13E-76	0.105488	0.02262	0.121565	0.00854	0.329102	2.94E-13
1.21E-41	0.640626	2.60E-55	0.03338	0.47177	0.112852	0.01469	0.149765	0.00117
0.00023	-0.18625	5.13E-05	-0.08216	0.07611	0.057453	0.21524	-0.02612	0.57336
1.88E-43	0.658662	2.03E-59	0.079231	0.08721	0.119546	0.00972	0.401492	1.62E-19
3.14E-15	0.45746	1.57E-25	0.091669	0.04772	0.13375	0.00378	-0.03486	0.45235
9.78E-53	0.661621	4.04E-60	0.056691	0.2214	0.111394	0.01603	0.087358	0.05924
4.48E-16	0.35715	1.70E-15	-0.04027	0.38521	-0.04926	0.28809	-0.0513	0.26855
6.67E-12	0.308715	9.05E-12	-0.07704	0.09634	0.036108	0.43629	0.084781	0.06717
3.09E-24	0.454131	3.85E-25	0.009883	0.83132	0.040007	0.38837	0.134367	0.00362

7.00E-16	0.33529	9.86E-14	-0.04414	0.34125	0.008791	0.84973	0.012247	0.79181
5.41E-23	0.461511	5.19E-26	0.118066	0.01066	0.044894	0.33302	0.121851	0.00839
1.89E-17	0.296553	6.19E-11	-0.05442	0.24048	-0.05855	0.20658	0.102533	0.02671
1.13E-12	0.361952	6.67E-16	0.043375	0.34965	0.108104	0.01945	0.185907	5.30E-05
2.29E-17	-0.41416	8.82E-21	-0.12004	0.00942	-0.1089	0.01857	-0.14336	0.0019
3.32E-43	0.592184	1.55E-45	0.097961	0.03431	0.095878	0.03834	0.253573	2.76E-08
2.88E-25	0.543252	3.29E-37	0.073607	0.11216	0.088628	0.05563	0.187956	4.36E-05
1.72E-11	0.248501	5.29E-08	-0.02233	0.63024	0.022905	0.62151	0.170485	0.00021
1.98E-07	0.351097	5.40E-15	0.147672	0.00137	0.113992	0.01371	-0.03558	0.44298
4.58E-11	0.314927	3.27E-12	-0.02745	0.55398	-0.01399	0.76307	-0.07253	0.11751
1.27E-19	0.56212	2.95E-40	0.08582	0.06388	0.216883	2.24E-06	0.162346	0.00043
4.34E-16	0.571213	8.51E-42	0.117038	0.01137	0.184172	6.24E-05	0.172874	0.00017
2.51E-40	0.572905	4.35E-42	0.069487	0.13377	0.150578	0.0011	0.08426	0.06888
2.79E-35	0.678755	2.42E-64	0.070527	0.12803	0.168501	0.00025	0.172545	0.00018
8.03E-14	0.450441	1.03E-24	0.015569	0.7372	0.195112	2.18E-05	0.141997	0.0021
9.92E-12	0.232268	3.87E-07	-0.06169	0.18322	-0.01363	0.76889	0.108232	0.01931
8.09E-22	0.321622	1.07E-12	0.022834	0.62258	0.020237	0.66269	0.13054	0.00472
1.53E-14	0.430244	1.82E-22	0.025888	0.57682	0.117681	0.01092	-0.13603	0.00322
1.47E-56	0.71375	6.31E-74	0.092403	0.04596	0.09225	0.04632	0.234012	3.14E-07
5.26E-19	0.357593	1.56E-15	0.105484	0.02262	0.132479	0.00413	0.002172	0.96266
4.77E-33	0.467341	1.03E-26	-0.00541	0.90711	0.070939	0.12581	0.048208	0.29853
2.99E-12	0.285614	3.24E-10	0.097702	0.03479	0.004676	0.91973	0.240878	1.37E-07
6.39E-13	-0.44343	6.45E-24	-0.07799	0.09231	-0.11516	0.01277	-0.11606	0.01208
7.10E-12	-0.31578	2.84E-12	0.030472	0.51124	-0.00388	0.93331	-0.05173	0.26454
3.66E-29	0.576813	9.07E-43	0.065619	0.15685	0.080226	0.0833	0.240198	1.49E-07
2.12E-13	0.426759	4.30E-22	0.04059	0.38148	0.069737	0.13237	0.098635	0.03309
3.95E-44	0.578412	4.75E-43	0.011127	0.81047	0.026445	0.56865	0.2169	2.23E-06
6.14E-08	-0.34469	1.79E-14	-0.11646	0.01179	-0.07757	0.09405	-0.12719	0.00592
9.28E-15	0.265337	5.77E-09	0.094821	0.04054	0.004986	0.91442	0.06054	0.19156
4.69E-49	0.672554	8.81E-63	0.069737	0.13237	0.063255	0.17236	0.116312	0.01189
3.02E-07	-0.14093	0.00227	-0.00834	0.85739	-0.05979	0.1971	-0.10344	0.02539
2.10E-21	0.367685	2.14E-16	-0.01015	0.82687	0.065529	0.15741	0.181316	8.13E-05
6.84E-19	0.475312	1.07E-27	-0.07381	0.11119	0.01266	0.78496	0.183411	6.70E-05
4.63E-49	0.672535	8.91E-63	0.069098	0.13596	0.065326	0.15871	0.306117	1.38E-11
3.10E-07	0.262704	8.24E-09	0.013944	0.76377	0.056477	0.22316	0.131421	0.00444
0.00668	0.136571	0.0031	0.006061	0.89607	-0.03842	0.40748	0.023721	0.60913
3.61E-33	0.656813	5.51E-59	0.087112	0.05997	0.117107	0.01132	0.269647	3.19E-09
2.11E-51	0.717529	4.76E-75	0.008946	0.84711	0.075548	0.10298	0.133069	0.00397
1.77E-44	0.611717	2.83E-49	0.067018	0.14817	0.077403	0.09478	0.050115	0.2798
7.66E-27	0.49864	1.00E-30	0.00939	0.83962	0.106524	0.02131	0.269697	3.17E-09
7.70E-37	0.649663	2.46E-57	0.148218	0.00132	0.095303	0.03952	0.167043	0.00029
1.76E-33	0.519419	1.26E-33	0.039801	0.39082	0.013109	0.77753	0.136288	0.00317
3.16E-15	0.368207	1.93E-16	0.083506	0.07141	0.093479	0.04348	-0.16362	0.00038
2.29E-19	0.448119	1.90E-24	0.060986	0.18831	0.034164	0.46142	0.038558	0.40579
3.40E-11	0.391581	1.46E-18	0.06434	0.1651	0.068501	0.13938	0.027138	0.55856

1.86E-20	0.543665	2.83E-37	0.149666	0.00118	0.045773	0.32362	0.205426	7.63E-06
7.02E-39	0.642972	7.87E-56	0.073932	0.11058	0.093364	0.04374	0.064288	0.16545
0.00044	0.097391	0.03538	-0.0203	0.66176	0.058762	0.20496	-0.0739	0.11074
4.69E-37	0.589184	5.52E-45	0.013521	0.77074	-0.00352	0.93951	0.32353	7.70E-13
0.00208	-0.12004	0.00942	-0.14267	0.002	0.017739	0.70221	-0.0912	0.04887
1.35E-31	0.65333	3.55E-58	0.085041	0.06633	0.16269	0.00042	0.290866	1.48E-10
5.43E-14	0.376465	3.59E-17	-0.18585	5.33E-05	0.013787	0.76635	0.216252	2.40E-06
8.01E-39	0.691578	1.07E-67	0.018312	0.69307	0.156772	0.00067	0.225645	8.36E-07
3.10E-18	0.470242	4.55E-27	0.09165	0.04777	0.148353	0.0013	0.037334	0.42087
5.48E-33	0.568749	2.25E-41	0.009217	0.84253	0.075095	0.10507	0.190116	3.55E-05
1.98E-27	0.573565	3.34E-42	-0.02127	0.64656	0.14748	0.00139	0.026031	0.57472
4.99E-15	0.373364	6.78E-17	-0.05599	0.22722	0.00854	0.85397	0.159205	0.00055
1.81E-18	0.335532	9.44E-14	0.056855	0.22007	0.074107	0.10974	0.194948	2.21E-05
1.20E-07	0.237203	2.14E-07	0.000368	0.99367	0.044965	0.33225	-0.17876	0.0001
1.25E-20	0.412508	1.30E-20	-0.01557	0.73719	-0.00837	0.85679	0.15046	0.00111
4.27E-45	0.680748	7.49E-65	0.012262	0.79156	0.107089	0.02063	0.135317	0.00339
5.24E-13	-0.38406	7.31E-18	-0.17854	0.0001	-0.13575	0.00329	-0.19636	1.92E-05
1.06E-09	-0.2648	6.21E-09	-0.16082	0.00049	-0.0542	0.24242	-0.15382	0.00085
2.75E-44	0.595894	3.16E-46	0.072555	0.1174	0.080664	0.08163	0.180288	8.94E-05
8.71E-49	0.716017	1.35E-74	0.021398	0.64464	0.13762	0.00288	0.358395	1.34E-15
9.34E-29	0.48552	5.42E-29	0.04059	0.38149	0.115688	0.01236	0.128544	0.0054
8.58E-58	0.723066	1.00E-76	0.036755	0.42811	0.146815	0.00147	0.204688	8.24E-06
1.35E-06	0.302792	2.34E-11	0.085253	0.06566	0.061896	0.18179	0.078376	0.09069
2.25E-48	0.62142	3.13E-51	0.028202	0.54323	0.064468	0.16426	0.15631	0.0007
1.45E-39	0.652644	5.12E-58	0.038797	0.40288	0.1205	0.00915	0.091239	0.04878
1.90E-07	-0.3342	1.20E-13	-0.08501	0.06644	-0.13673	0.00307	-0.11181	0.01563
2.17E-42	0.64598	1.68E-56	0.138485	0.00271	0.098497	0.03334	0.348425	8.93E-15
9.83E-22	0.570735	1.03E-41	0.112917	0.01463	0.060416	0.19247	0.190434	3.44E-05
1.73E-31	0.571302	8.22E-42	0.136411	0.00314	0.087478	0.05889	0.16288	0.00041
6.11E-11	0.323806	7.34E-13	-0.01545	0.73905	-0.04348	0.3485	0.17021	0.00022
5.64E-57	0.610962	3.99E-49	0.087682	0.0583	0.088525	0.05592	0.258028	1.54E-08
5.81E-23	-0.50769	5.79E-32	-0.07879	0.08898	-0.10306	0.02594	-0.25979	1.22E-08
4.00E-12	0.428008	3.17E-22	0.006305	0.89191	0.158896	0.00057	-0.01616	0.72753
8.03E-12	-0.38776	3.33E-18	-0.10796	0.01962	0.020275	0.6621	-0.15664	0.00068
2.18E-28	0.542615	4.14E-37	0.129414	0.0051	0.114957	0.01292	0.225316	8.68E-07
7.03E-40	0.617081	2.39E-50	0.073197	0.11418	0.140751	0.0023	0.098702	0.03297
3.21E-16	0.336348	8.16E-14	0.116265	0.01193	0.068928	0.13693	0.026393	0.56941
1.57E-25	0.48038	2.47E-28	0.084212	0.06903	0.012591	0.7861	0.05576	0.22909
1.14E-08	0.351662	4.85E-15	0.012191	0.79274	0.112158	0.01531	-0.00206	0.9645
1.50E-07	0.203134	9.68E-06	-0.10688	0.02088	-0.07062	0.1275	-0.08177	0.0775
3.58E-05	0.28915	1.91E-10	-0.06627	0.15276	-0.10141	0.02844	-0.00425	0.92709
1.32E-34	-0.65047	1.61E-57	-0.15154	0.00102	-0.15175	0.001	-0.09827	0.03376
1.90E-05	-0.14482	0.0017	0.004777	0.918	0.021612	0.64133	-0.03991	0.3895
3.83E-16	-0.44427	5.19E-24	-0.14665	0.00148	-0.03064	0.50888	-0.18333	6.75E-05
2.58E-37	-0.59272	1.23E-45	-0.03707	0.4241	-0.05319	0.25131	-0.08787	0.05776

2.65E-14	-0.39334	9.93E-19	-0.03753	0.41847	-0.11735	0.01115	-0.20973	4.85E-06
3.59E-06	0.271271	2.54E-09	0.094327	0.0416	0.013892	0.76462	-0.04551	0.3264
7.91E-19	0.465949	1.52E-26	0.057727	0.21306	0.042578	0.35858	0.050286	0.27816
1.35E-21	0.452542	5.89E-25	0.068134	0.14152	0.038751	0.40344	0.167969	0.00027
5.36E-48	0.761626	1.18E-89	0.075591	0.10279	0.153023	0.00091	0.140066	0.00242
9.93E-11	-0.36653	2.70E-16	-0.06906	0.13616	-0.05338	0.24958	-0.0497	0.28382
0.51724	-0.09999	0.03074	0.027025	0.56019	0.027083	0.55935	-0.10969	0.01773
7.85E-06	-0.28508	3.50E-10	0.010611	0.8191	-0.00564	0.90331	-0.12555	0.00659
2.37E-13	0.387568	3.46E-18	0.14226	0.00206	0.051723	0.26464	0.168048	0.00026
6.53E-27	0.478967	3.73E-28	0.070808	0.12651	-0.0276	0.55191	0.084122	0.06934
1.87E-05	0.280532	6.81E-10	-0.04351	0.34811	0.115137	0.01278	0.077702	0.0935
0.00018	0.238487	1.83E-07	0.087024	0.06023	-0.01173	0.80045	0.05864	0.20591
8.27E-25	0.422917	1.10E-21	-0.01579	0.73365	0.01163	0.80208	0.033755	0.4668
3.23E-13	0.459005	1.03E-25	0.11079	0.01661	0.055679	0.22978	0.011486	0.80448
2.78E-31	0.639038	5.79E-55	0.102679	0.0265	0.041938	0.36586	0.145821	0.00158
0.00012	0.212743	3.51E-06	0.104152	0.0244	0.091757	0.04751	-0.06415	0.16633
1.19E-05	0.099919	0.03086	-0.06775	0.14377	-0.10267	0.02651	-0.02081	0.65373
2.58E-37	0.680437	9.00E-65	0.075047	0.10529	0.140306	0.00237	0.107978	0.0196
9.13E-18	0.35462	2.76E-15	0.128663	0.00536	-0.002	0.96556	0.266612	4.85E-09
1.11E-18	0.394842	7.13E-19	0.043673	0.34634	0.082571	0.07465	-0.14823	0.00132
2.88E-24	0.497225	1.56E-30	0.010787	0.81616	0.025818	0.57785	0.234875	2.84E-07
5.89E-07	0.219978	1.59E-06	-0.05867	0.20568	-0.08863	0.05564	-0.00462	0.92072
1.00E-20	0.389844	2.12E-18	-0.04632	0.31788	-0.09387	0.04261	0.339602	4.54E-14
1.49E-19	0.484831	6.65E-29	0.102925	0.02614	0.143596	0.00186	0.211889	3.85E-06
0.00274	0.116411	0.01182	-0.02366	0.61004	0.037036	0.42459	-0.04194	0.36589
1.30E-54	0.672277	1.03E-62	0.079818	0.08489	0.14341	0.00189	0.320934	1.20E-12
1.91E-05	0.234101	3.11E-07	-0.03219	0.4877	0.049603	0.28475	-0.02784	0.54847
1.32E-27	-0.58439	4.08E-44	-0.12396	0.00732	-0.12721	0.00591	-0.11532	0.01264
9.79E-13	0.332006	1.77E-13	0.036088	0.43655	0.005383	0.90763	0.281571	5.86E-10
3.62E-37	0.656816	5.50E-59	0.108208	0.01934	0.037541	0.41829	0.127652	0.00574
2.21E-23	-0.4621	4.41E-26	-0.16837	0.00026	-0.13782	0.00284	-0.22045	1.51E-06
3.57E-16	-0.34434	1.91E-14	-0.138	0.0028	-0.05468	0.23826	-0.10748	0.02017
1.17E-17	0.386838	4.05E-18	0.035406	0.44528	0.01076	0.81661	0.110246	0.01716
9.15E-37	0.588138	8.57E-45	0.129465	0.00508	0.086881	0.06065	0.1806	8.69E-05
1.97E-21	0.486408	4.16E-29	0.090596	0.0504	0.077182	0.09573	0.182665	7.18E-05
6.20E-08	0.307428	1.11E-11	0.006494	0.8887	0.030613	0.5093	0.002249	0.96135
2.83E-09	0.349571	7.20E-15	0.078404	0.09057	0.08838	0.05632	0.062477	0.17771
8.42E-19	0.527267	8.95E-35	0.119187	0.00994	0.128831	0.0053	0.139853	0.00245
5.10E-05	0.242314	1.15E-07	-0.01127	0.80801	0.060807	0.1896	0.062654	0.17648
0.19452	0.041055	0.37605	0.010019	0.82904	0.041897	0.36633	-0.05314	0.25174
2.22E-13	0.379821	1.79E-17	0.048205	0.29855	0.129568	0.00504	0.108812	0.01867
2.02E-10	0.442751	7.70E-24	0.229983	5.06E-07	0.237359	2.10E-07	0.196525	1.89E-05
1.88E-10	0.322062	9.89E-13	-0.01851	0.68998	0.010147	0.82689	-0.11517	0.01276
3.59E-60	0.695559	9.01E-69	0.018381	0.69196	0.044503	0.33725	0.194593	2.29E-05
7.01E-13	0.354981	2.58E-15	0.13865	0.00268	0.121536	0.00856	0.198958	1.48E-05

1.03E-31	0.590242	3.53E-45	0.131987	0.00427	0.069554	0.13339	0.232098	3.94E-07
1.52E-08	0.306791	1.23E-11	-0.01182	0.79898	-0.04023	0.38577	0.186069	5.22E-05
6.55E-20	-0.50632	8.97E-32	-0.06336	0.17162	-0.08124	0.07945	-0.13301	0.00398
2.05E-19	0.390027	2.04E-18	0.031326	0.49948	0.082631	0.07443	0.088549	0.05585
2.16E-34	0.524449	2.33E-34	0.226165	7.87E-07	0.052241	0.25988	0.103599	0.02517
8.26E-06	0.298874	4.32E-11	-0.00099	0.98296	0.086268	0.0625	-0.09164	0.0478
1.23E-43	0.637601	1.19E-54	0.106351	0.02153	0.118846	0.01015	0.225109	8.89E-07
6.00E-12	0.420859	1.80E-21	0.036841	0.42703	0.097237	0.03567	0.174311	0.00015
2.50E-23	0.553939	6.53E-39	0.041636	0.36933	0.133884	0.00375	0.275378	1.43E-09
2.58E-35	0.556845	2.20E-39	0.035609	0.44267	-0.03515	0.44853	0.045433	0.32724
0.01363	0.07512	0.10495	-0.12269	0.00795	-0.00457	0.92148	0.038863	0.40209
7.61E-10	-0.29964	3.83E-11	-0.12753	0.00578	-0.08216	0.0761	-0.02668	0.56519
4.66E-09	-0.30676	1.24E-11	-0.05004	0.28053	-0.09348	0.04347	-0.0615	0.18461
6.87E-25	0.448447	1.74E-24	0.043865	0.34422	0.07513	0.10491	0.220371	1.52E-06
7.90E-30	0.528131	6.66E-35	0.039966	0.38885	0.069803	0.132	0.172421	0.00018
3.30E-22	0.510692	2.21E-32	-0.04343	0.34904	0.020473	0.65901	0.15682	0.00067
5.55E-05	0.134657	0.00355	0.000347	0.99403	0.035368	0.44576	0.010109	0.82753
8.20E-26	0.476166	8.39E-28	0.144107	0.0018	0.085698	0.06426	0.197139	1.78E-05
5.76E-25	0.379374	1.96E-17	0.056072	0.2265	-0.05498	0.23567	0.251862	3.44E-08
1.24E-54	0.788427	#####	0.07785	0.09288	0.139803	0.00246	0.305343	1.56E-11
6.45E-15	-0.46619	1.42E-26	-0.07801	0.09221	-0.05008	0.28014	-0.18913	3.90E-05
3.62E-53	0.733067	7.33E-80	0.139249	0.00256	0.152238	0.00097	0.221701	1.31E-06
0.00568	-0.20558	7.51E-06	-0.09528	0.03958	0.024508	0.59731	-0.09118	0.04893
3.52E-19	-0.37886	2.19E-17	-0.1335	0.00385	-0.07342	0.11309	-0.15462	0.0008
8.15E-28	0.513276	9.53E-33	0.042706	0.35714	0.018316	0.693	-0.05036	0.2775
7.63E-26	0.579443	3.12E-43	0.086546	0.06166	0.131492	0.00442	0.148443	0.00129
9.02E-14	0.384848	6.19E-18	0.046731	0.3136	0.033005	0.47676	0.179741	9.40E-05
1.14E-20	0.383678	7.94E-18	-0.10271	0.02646	-0.01919	0.67916	0.198015	1.63E-05
0.0674	-0.1402	0.00239	-0.02554	0.58195	-0.0618	0.18249	-0.07151	0.12276
5.65E-42	0.459374	9.32E-26	0.055568	0.23071	0.031572	0.49612	0.1204	0.0092
4.11E-20	-0.48735	3.13E-29	-0.16542	0.00033	-0.04643	0.31677	-0.16622	0.00031
3.44E-42	0.655334	1.22E-58	0.037704	0.41628	0.121092	0.00881	0.262164	8.86E-09
3.06E-28	0.46295	3.49E-26	0.044676	0.33538	0.061411	0.18524	0.066775	0.14965
2.48E-10	-0.31971	1.47E-12	-0.01732	0.70887	-0.14298	0.00195	-0.06543	0.15806
1.31E-09	-0.36354	4.88E-16	-0.08416	0.0692	-0.14217	0.00207	-0.15707	0.00066
5.16E-20	-0.51552	4.57E-33	0.010439	0.82198	-0.13844	0.00272	-0.00772	0.86793
6.46E-46	0.677048	6.57E-64	0.046061	0.32059	0.092252	0.04632	0.339348	4.75E-14
1.56E-21	0.381569	1.24E-17	0.079776	0.08505	0.067458	0.14552	-0.04626	0.31848
5.48E-28	0.580112	2.38E-43	0.110919	0.01649	0.077567	0.09408	0.008992	0.84633
4.90E-17	-0.35542	2.37E-15	-0.16529	0.00033	-0.09711	0.03592	-0.22513	8.86E-07
1.24E-23	0.398878	2.92E-19	0.195128	2.17E-05	0.060431	0.19237	0.162989	0.00041
2.89E-18	0.428416	2.86E-22	0.044656	0.33559	0.083982	0.0698	0.168132	0.00026
1.23E-11	0.280477	6.86E-10	0.125041	0.00682	-0.06825	0.14084	0.146103	0.00155
1.07E-43	0.651921	7.50E-58	0.098694	0.03298	0.087929	0.0576	0.144192	0.00178
1.38E-43	0.68473	6.97E-66	0.031146	0.50194	0.071885	0.12083	0.047579	0.30489

1.09E-08	-0.25737	1.68E-08	-0.07315	0.11439	0.005861	0.89948	-0.14425	0.00178
5.67E-16	0.329142	2.92E-13	0.003976	0.93171	0.06181	0.1824	0.026799	0.56347
1.85E-12	0.425328	6.10E-22	0.062027	0.18086	0.056361	0.22411	0.029173	0.52943
3.15E-29	0.603691	1.04E-47	0.157661	0.00063	0.207303	6.27E-06	0.243013	1.05E-07
6.24E-43	0.632253	1.69E-53	0.042354	0.36112	0.070333	0.12909	0.262319	8.68E-09
5.18E-40	0.434314	6.60E-23	0.026186	0.57244	-0.01209	0.79449	0.111719	0.01572
0.00049	-0.25348	2.79E-08	-0.15985	0.00053	-0.07094	0.12578	-0.07642	0.09905
5.27E-09	0.451192	8.44E-25	-0.03195	0.49103	0.12224	0.00818	0.077314	0.09516
1.01E-19	0.469798	5.16E-27	0.120024	0.00943	0.057268	0.21673	0.056889	0.21979
1.70E-30	0.517973	2.04E-33	0.041611	0.36961	0.07057	0.1278	0.096018	0.03806
2.71E-58	0.813632	#####	0.104625	0.02375	0.143353	0.0019	0.158547	0.00058
5.74E-46	0.605704	4.27E-48	0.080248	0.08322	0.131218	0.00451	0.176103	0.00013
5.65E-09	0.351685	4.83E-15	-0.00648	0.889	0.163094	0.0004	-0.08213	0.0762
0.00013	-0.25745	1.66E-08	-0.02145	0.64377	-0.07126	0.12409	-0.10848	0.01903
2.13E-09	0.435572	4.81E-23	0.077672	0.09363	0.125819	0.00648	-0.02925	0.52839
1.71E-05	0.284133	4.03E-10	-0.10553	0.02257	-0.04572	0.32419	0.139484	0.00252
1.73E-35	0.569539	1.65E-41	0.029846	0.51998	0.09632	0.03746	0.06308	0.17355
8.09E-11	0.410833	1.92E-20	0.017346	0.7085	0.107288	0.0204	-0.06988	0.13156
2.87E-11	0.374891	4.96E-17	0.08327	0.07221	0.091455	0.04824	0.158994	0.00056
0.01457	-0.17235	0.00018	-0.03784	0.41455	0.093116	0.0443	-0.07151	0.12278
1.24E-16	0.38986	2.11E-18	0.071036	0.1253	0.072195	0.11923	0.08693	0.06051
1.49E-34	0.574567	2.24E-42	0.058414	0.20766	0.140215	0.00239	0.115355	0.01261
1.26E-32	0.581606	1.29E-43	-0.02055	0.65783	0.027093	0.5592	-0.02813	0.54426
1.23E-07	0.174518	0.00015	0.049718	0.28363	-0.07787	0.0928	-0.09058	0.05045
3.55E-36	0.494603	3.49E-30	-0.00681	0.88326	0.003244	0.94426	0.086699	0.06119
8.93E-05	0.283994	4.11E-10	-0.0158	0.73351	0.169437	0.00023	0.012461	0.78826
0.00893	0.159146	0.00056	0.030518	0.51061	0.091395	0.04839	0.011452	0.80504
1.26E-05	0.180939	8.42E-05	0.042784	0.35626	-0.083	0.07313	0.114383	0.01339
4.39E-14	0.393077	1.05E-18	-0.0499	0.28184	0.007521	0.87122	-0.01328	0.77475
0.01995	0.007958	0.86382	-0.00663	0.88636	-0.03161	0.49561	-0.02901	0.53168
4.18E-24	0.328038	3.54E-13	-0.03246	0.48401	-0.02995	0.51855	0.134728	0.00353
6.63E-21	0.451478	7.82E-25	0.062974	0.17428	0.06731	0.14641	-0.00419	0.92808
0.17946	0.18093	8.43E-05	0.033657	0.46809	0.172279	0.00018	0.023157	0.61767
1.40E-34	0.625749	3.99E-52	0.062149	0.18	0.075872	0.10151	0.105423	0.0227
3.10E-06	-0.12057	0.00911	-0.01825	0.69403	-0.01862	0.6881	0.100114	0.03053
1.99E-23	0.514068	7.36E-33	-0.03521	0.44778	0.102316	0.02704	0.123079	0.00775
3.01E-19	0.581204	1.52E-43	0.210718	4.37E-06	0.149039	0.00124	0.122655	0.00797
1.71E-31	0.506841	7.60E-32	0.072111	0.11966	-0.00752	0.87118	0.057514	0.21476
1.45E-08	0.305305	1.57E-11	-0.03021	0.51494	0.072444	0.11796	-0.19397	2.43E-05
4.13E-13	-0.29242	1.17E-10	0.005499	0.90566	-0.08713	0.0599	-0.1107	0.0167
1.71E-30	-0.5563	2.70E-39	-0.06652	0.15119	-0.09029	0.05118	-0.14124	0.00222
1.11E-08	-0.31457	3.47E-12	-0.06368	0.16948	-0.1157	0.01235	-0.07983	0.08485
3.50E-18	-0.47218	2.63E-27	-0.0671	0.14765	-0.09935	0.03183	-0.17642	0.00013
3.04E-26	0.499413	7.90E-31	0.142959	0.00195	0.233645	3.28E-07	0.148103	0.00133
0.01365	0.160063	0.00052	-0.00076	0.98687	0.042769	0.35643	0.0605	0.19186

1.01E-13	0.308324	9.64E-12	-0.01264	0.78524	-0.02115	0.64849	0.177252	0.00012
1.87E-27	0.531806	1.88E-35	-0.0202	0.66326	0.041184	0.37454	0.255093	2.26E-08
7.87E-86	0.698421	1.48E-69	0.155603	0.00074	0.12461	0.00701	0.354673	2.74E-15
5.92E-05	0.329157	2.91E-13	0.117318	0.01117	0.105864	0.02213	-0.09066	0.05023
1.59E-56	0.77275	7.54E-94	0.116589	0.01169	0.110601	0.0168	0.151389	0.00103
1.23E-48	0.718226	2.95E-75	0.105535	0.02256	0.164385	0.00036	0.339588	4.55E-14
1.22E-06	0.084619	0.0677	-0.03412	0.46201	-0.04033	0.38455	0.102954	0.02609
2.20E-13	0.455245	2.86E-25	0.144834	0.0017	0.109562	0.01786	0.098323	0.03365
4.72E-37	0.582238	9.95E-44	0.116287	0.01191	0.076122	0.10038	0.11323	0.01436
1.37E-24	-0.48005	2.72E-28	-0.14013	0.0024	-0.12485	0.00691	-0.0715	0.12285
7.91E-44	0.617597	1.88E-50	0.004761	0.91826	0.090079	0.05173	0.205057	7.93E-06
4.01E-40	0.638427	7.88E-55	0.0261	0.5737	0.127508	0.00579	0.136799	0.00305
2.78E-43	0.665102	5.90E-61	0.100083	0.03058	0.139214	0.00257	0.227897	6.45E-07
0.01156	-0.16518	0.00034	0.066844	0.14923	-0.01591	0.73158	-0.08905	0.05449
1.91E-23	0.441819	9.79E-24	0.007085	0.87864	0.086161	0.06283	-0.06615	0.15348
7.08E-67	0.766049	2.71E-91	0.070338	0.12906	0.08845	0.05613	0.145893	0.00157
0.00011	0.163036	0.0004	0.06799	0.14237	0.064645	0.1631	0.089876	0.05226
1.24E-14	0.46304	3.41E-26	0.06643	0.15177	0.01929	0.67757	0.128103	0.00557
2.15E-13	0.22927	5.50E-07	-0.03674	0.42836	-0.04168	0.36887	0.209151	5.16E-06
5.58E-06	0.102473	0.0268	-0.13008	0.00487	-0.1132	0.01438	0.087751	0.05811
0.03345	0.027424	0.55442	-0.08239	0.0753	-0.01249	0.78776	0.020281	0.662
0.00011	0.160129	0.00051	0.069988	0.13098	-0.02637	0.56974	-0.01607	0.72912
0.00035	0.268607	3.68E-09	0.240853	1.37E-07	0.112866	0.01467	0.143424	0.00189
7.74E-25	0.40648	5.24E-20	-0.05365	0.24722	0.019602	0.67266	0.132762	0.00405
2.06E-46	0.687613	1.22E-66	0.119947	0.00947	0.094514	0.0412	0.248637	5.20E-08
1.20E-07	0.177	0.00012	-0.04733	0.30744	-0.00911	0.84433	0.013747	0.76701
5.21E-09	-0.20073	1.24E-05	-0.05695	0.21928	-0.14479	0.00171	-0.04395	0.34328
6.69E-15	0.4063	5.46E-20	-0.11784	0.01081	0.050345	0.2776	0.181173	8.24E-05
1.57E-06	-0.22283	1.15E-06	0.040483	0.38274	-0.0662	0.15319	-0.23266	3.69E-07
1.01E-30	0.662847	2.06E-60	-0.03294	0.47768	0.105179	0.02302	0.084376	0.0685
1.52E-19	0.487016	3.47E-29	-0.03551	0.44389	0.005941	0.89811	0.033276	0.47314
4.80E-26	0.60919	8.91E-49	0.059847	0.1967	0.132849	0.00403	-0.02827	0.54231
1.43E-25	0.481303	1.88E-28	0.018428	0.69122	0.105811	0.0222	0.133343	0.00389
9.98E-18	0.393143	1.04E-18	-0.02086	0.65296	0.057361	0.21598	-0.0519	0.26299
3.07E-37	0.640104	3.38E-55	0.171331	0.0002	0.106456	0.0214	0.421444	1.56E-21
1.17E-17	-0.41829	3.32E-21	-0.00034	0.99413	-0.06638	0.1521	-0.16428	0.00036
1.74E-16	0.556914	2.14E-39	0.103935	0.0247	0.142797	0.00198	0.098733	0.03291
7.32E-47	0.663614	1.35E-60	0.078392	0.09062	0.128914	0.00527	0.171556	0.0002
1.71E-49	0.614399	8.27E-50	0.121844	0.00839	0.002736	0.95298	0.104569	0.02383
3.51E-25	0.5614	3.89E-40	-0.0202	0.66325	0.127001	0.00599	-0.01189	0.79777
3.59E-06	0.185474	5.52E-05	0.008619	0.85263	0.063662	0.16961	0.044105	0.34159
1.54E-29	0.578547	4.50E-43	0.061504	0.18457	0.127786	0.00568	0.034325	0.4593
1.35E-33	0.645122	2.61E-56	0.025843	0.57748	0.012085	0.7945	0.001764	0.96967
0.00356	0.023551	0.61171	-0.07411	0.10975	-0.04061	0.38122	-0.06019	0.19415
1.50E-11	0.300324	3.44E-11	0.188253	4.24E-05	0.044734	0.33474	0.011608	0.80243

1.17E-12	0.381238	1.33E-17	-0.0657	0.15636	-0.05293	0.2536	0.252392	3.21E-08
4.70E-13	-0.37979	1.80E-17	-0.12632	0.00627	-0.08014	0.08362	-0.12009	0.00939
2.84E-31	0.670509	2.83E-62	0.229611	5.28E-07	0.152416	0.00095	0.239757	1.57E-07
6.76E-08	-0.16669	0.0003	-0.02692	0.56168	0.089629	0.05292	0.006808	0.88334
7.42E-23	0.395316	6.43E-19	0.072295	0.11872	0.02837	0.54083	0.048293	0.29767
2.43E-24	0.498424	1.07E-30	0.077185	0.09571	0.101668	0.02803	-0.00085	0.98531
2.79E-21	0.553815	6.84E-39	0.005496	0.9057	0.092885	0.04483	0.195682	2.06E-05
5.88E-23	0.466913	1.16E-26	0.065667	0.15654	0.110412	0.01699	0.272111	2.26E-09
5.05E-06	0.199044	1.47E-05	-0.06915	0.13564	-0.05773	0.21301	-0.0437	0.34602
2.76E-30	0.584467	3.96E-44	0.078128	0.09172	0.05235	0.25888	0.135079	0.00345
1.40E-44	0.69261	5.67E-68	-0.01881	0.68511	0.174787	0.00015	0.095876	0.03835
2.14E-09	0.209629	4.90E-06	0.003661	0.93712	0.03884	0.40236	0.18606	5.22E-05
5.08E-42	0.588289	8.04E-45	0.050659	0.27461	0.033045	0.47622	0.140003	0.00243
1.61E-19	0.520356	9.23E-34	0.083233	0.07234	0.025706	0.5795	0.197179	1.77E-05
2.59E-26	0.518789	1.55E-33	0.129051	0.00522	0.143872	0.00183	0.022224	0.63191
2.17E-17	0.429402	2.25E-22	0.02641	0.56916	0.041111	0.3754	-0.07367	0.11187
7.65E-24	0.511737	1.57E-32	-0.02872	0.53582	0.084136	0.06929	0.017851	0.70042
0.00085	-0.09456	0.0411	-0.03346	0.47074	-0.06168	0.18333	-0.17736	0.00012
3.42E-10	-0.24549	7.73E-08	0.055988	0.2272	-0.05419	0.24248	-0.03946	0.39489
4.59E-26	0.648737	4.00E-57	0.045481	0.32672	0.099509	0.03156	0.081638	0.078
4.48E-42	0.665589	4.50E-61	0.106791	0.02099	0.113863	0.01382	0.03143	0.49805
3.15E-09	-0.22787	6.47E-07	-0.11108	0.01633	0.0171	0.71244	-0.08713	0.05992
1.18E-27	0.517171	2.66E-33	-0.00903	0.84576	0.108396	0.01912	0.143206	0.00192
1.69E-62	0.773587	3.56E-94	0.0839	0.07008	0.166254	0.00031	0.260239	1.15E-08
1.42E-05	-0.12361	0.00749	0.00043	0.99261	0.068102	0.14171	-0.14597	0.00156
1.15E-22	0.519976	1.05E-33	0.115784	0.01229	0.163455	0.00039	0.204652	8.27E-06
1.85E-09	0.370752	1.15E-16	0.039444	0.39509	0.125316	0.0067	0.184452	6.08E-05
9.12E-12	0.373778	6.23E-17	-0.01605	0.72935	0.032471	0.48392	0.092956	0.04467
8.18E-29	0.544795	1.88E-37	0.108892	0.01858	0.064386	0.1648	0.206246	7.01E-06
1.60E-09	-0.30966	7.76E-12	0.081711	0.07773	-0.02058	0.65736	-0.02694	0.56147
5.94E-20	-0.41635	5.28E-21	-0.05801	0.21079	-0.03723	0.42219	-0.12501	0.00684
1.28E-11	0.341384	3.28E-14	-0.0958	0.03849	0.114476	0.01331	0.114868	0.013
2.28E-20	0.533023	1.23E-35	0.244092	9.21E-08	0.099385	0.03177	0.200325	1.29E-05
3.65E-35	0.558683	1.10E-39	0.031619	0.49547	0.028869	0.53373	0.082239	0.07582
6.66E-13	0.48331	1.04E-28	0.064698	0.16276	0.066755	0.14977	0.144983	0.00168
2.92E-28	0.548637	4.65E-38	0.032395	0.48494	0.060185	0.19419	0.307946	1.02E-11
1.37E-27	0.540876	7.72E-37	-0.02501	0.58977	0.173822	0.00016	0.184088	6.29E-05
4.51E-47	0.696374	5.39E-69	0.031067	0.50303	0.107731	0.01988	0.111548	0.01588
1.15E-16	0.410641	2.01E-20	0.087118	0.05995	0.077153	0.09585	0.108304	0.01923
1.54E-10	-0.274	1.73E-09	-0.0423	0.36171	-0.00893	0.84731	-0.00358	0.93857
4.24E-40	0.658102	2.75E-59	0.104391	0.02407	0.17108	0.0002	0.290345	1.60E-10
4.69E-08	-0.34767	1.03E-14	0.020949	0.6516	-0.06776	0.14375	0.040082	0.38747
5.34E-05	-0.10234	0.027	-0.07036	0.12897	-0.04426	0.33989	0.024723	0.59409
4.27E-47	0.631836	2.08E-53	0.088397	0.05627	0.082572	0.07464	0.07691	0.09691
4.09E-07	-0.27592	1.32E-09	-0.0944	0.04145	-0.17042	0.00022	-0.0757	0.10228



5.44E-15	0.408881	3.02E-20	0.020686	0.65569	0.101383	0.02847	0.011784	0.79951
1.30E-12	0.441681	1.01E-23	0.019483	0.67453	0.160632	0.00049	0.098581	0.03318
2.83E-12	-0.35153	4.98E-15	-0.20314	9.67E-06	-0.04647	0.31627	-0.05635	0.2242
6.67E-30	0.588099	8.71E-45	0.051206	0.26945	0.223319	1.09E-06	0.153136	0.0009
5.88E-37	0.691187	1.37E-67	0.103904	0.02474	0.159084	0.00056	0.275838	1.34E-09
1.13E-19	-0.33461	1.11E-13	-0.00938	0.8397	-0.03887	0.40198	-0.12009	0.00939
2.79E-15	0.464911	2.03E-26	0.072191	0.11925	0.08145	0.07869	0.022991	0.6202
6.19E-21	0.475785	9.36E-28	0.055654	0.22998	0.047707	0.30359	-0.00454	0.92197
1.61E-19	0.476243	8.20E-28	0.137812	0.00284	0.150447	0.00111	0.009182	0.84312
3.92E-13	0.329273	2.85E-13	0.044605	0.33614	0.174686	0.00015	-0.03521	0.44774
2.08E-19	0.391752	1.40E-18	0.044608	0.33611	0.052366	0.25874	0.092111	0.04665
1.84E-35	0.636314	2.27E-54	0.041275	0.37349	0.037689	0.41646	0.051973	0.26233
1.43E-13	0.378527	2.34E-17	0.22046	1.50E-06	0.104253	0.02426	0.00761	0.86973
6.62E-22	-0.47241	2.46E-27	-0.04553	0.32616	-0.0594	0.20011	-0.22148	1.34E-06
4.14E-13	0.343748	2.13E-14	0.050249	0.27851	0.055101	0.23466	-0.01252	0.78729
3.43E-14	0.40773	3.93E-20	0.051908	0.26293	-0.01913	0.68012	0.026864	0.56253
5.42E-22	-0.5	6.57E-31	-0.04158	0.37	-0.12687	0.00604	-0.14951	0.00119
6.17E-27	0.534687	6.89E-36	-0.04357	0.34752	0.078942	0.08837	0.031978	0.49058
3.58E-13	0.327169	4.11E-13	0.064424	0.16455	0.065424	0.15809	0.123341	0.00762
8.46E-10	0.452502	5.95E-25	0.232862	3.60E-07	0.096937	0.03625	0.13505	0.00346
7.74E-10	0.427705	3.41E-22	0.08758	0.0586	0.081496	0.07852	0.185725	5.39E-05
5.81E-12	0.418942	2.85E-21	-0.04619	0.31923	0.15703	0.00066	0.128164	0.00554
5.59E-32	0.496109	2.20E-30	0.132852	0.00403	0.056409	0.22371	0.287841	2.32E-10
2.46E-06	0.319113	1.63E-12	0.110423	0.01698	0.075023	0.1054	0.04901	0.29055
5.64E-10	-0.27468	1.57E-09	0.032132	0.4885	-0.03569	0.44166	-0.03339	0.47167
1.21E-44	0.570479	1.14E-41	0.013647	0.76866	0.035733	0.44108	0.192865	2.71E-05
2.53E-30	0.567852	3.20E-41	-0.00985	0.83186	0.136634	0.00309	0.126653	0.00613
6.91E-30	0.496531	1.93E-30	0.140127	0.00241	0.062054	0.18067	0.15471	0.00079
6.77E-32	0.568226	2.76E-41	0.102889	0.02619	0.121358	0.00866	0.013769	0.76665
1.03E-17	0.396071	5.44E-19	0.037456	0.41935	0.089875	0.05226	0.179962	9.21E-05
1.48E-17	0.476624	7.35E-28	0.15775	0.00062	0.061868	0.18198	0.122629	0.00798
2.78E-34	0.562427	2.62E-40	0.071123	0.12483	0.117367	0.01114	0.199462	1.41E-05
9.44E-09	0.290615	1.53E-10	-0.00213	0.96346	0.127401	0.00583	0.087497	0.05884
9.55E-11	0.335853	8.92E-14	0.103473	0.02535	-0.04842	0.29641	-0.07628	0.09969
2.23E-12	0.426865	4.19E-22	-0.0035	0.93989	0.038419	0.40748	0.102988	0.02604
1.39E-14	0.368611	1.78E-16	0.028043	0.54551	0.094947	0.04027	0.024095	0.6035
2.97E-54	0.730994	3.36E-79	0.085659	0.06438	0.114895	0.01297	0.192105	2.92E-05
5.62E-17	-0.27318	1.95E-09	0.00085	0.98539	-0.04902	0.29047	-0.12454	0.00705
8.32E-09	-0.22258	1.18E-06	-0.03041	0.51214	-0.01638	0.72399	-0.08475	0.06728
1.62E-84	0.783374	4.36E-98	0.155505	0.00075	0.18641	5.05E-05	0.343096	2.40E-14
2.72E-21	0.503141	2.46E-31	0.044224	0.34029	0.163522	0.00039	0.144446	0.00175
1.58E-47	0.65592	8.91E-59	0.11837	0.01046	0.136869	0.00304	0.349422	7.41E-15
2.02E-09	-0.21414	3.02E-06	-0.00259	0.9555	-0.00379	0.93491	-0.15475	0.00079
4.34E-13	0.393877	8.82E-19	0.016673	0.71932	0.0007	0.98796	-0.10218	0.02724
8.35E-29	0.57453	2.27E-42	0.087723	0.05819	0.035189	0.44807	-0.06018	0.19421

1.33E-15	0.536901	3.16E-36	0.126244	0.0063	0.165576	0.00033	0.065111	0.16008
3.03E-39	0.661802	3.66E-60	0.008319	0.8577	0.15194	0.00099	0.165537	0.00033
1.88E-10	0.218976	1.77E-06	-0.05656	0.22246	0.102773	0.02636	0.031938	0.49114
3.45E-18	0.423241	1.01E-21	0.009086	0.84475	0.060315	0.19322	0.028518	0.53872
1.13E-41	0.566177	6.15E-41	0.065082	0.16027	0.098817	0.03277	0.099267	0.03198
7.04E-30	0.573575	3.33E-42	0.046278	0.31831	0.030758	0.50729	0.103043	0.02596
3.06E-30	0.544929	1.80E-37	0.01278	0.78297	0.055715	0.22947	0.113572	0.01406
8.67E-22	0.527711	7.69E-35	-0.03364	0.46829	0.150663	0.00109	0.184438	6.08E-05
4.32E-08	-0.22141	1.35E-06	-0.04456	0.33659	-0.00426	0.92687	-0.02518	0.58723
6.70E-16	-0.37449	5.38E-17	-0.04033	0.38454	-0.1548	0.00079	-0.14098	0.00226
3.31E-07	0.225096	8.90E-07	0.002187	0.9624	0.024556	0.59659	-0.02739	0.55497
9.86E-07	0.366886	2.51E-16	0.062024	0.18088	0.162347	0.00043	0.000459	0.99211
5.41E-45	-0.58768	1.04E-44	-0.11995	0.00947	-0.10033	0.03017	-0.23361	3.30E-07
1.37E-24	0.584814	3.43E-44	0.040289	0.38502	0.101834	0.02777	0.022136	0.63326
7.98E-07	0.241125	1.33E-07	0.059746	0.19746	-0.00096	0.98357	0.063129	0.17322
2.44E-30	0.64425	4.09E-56	0.125874	0.00646	0.244838	8.39E-08	0.243405	1.00E-07
1.76E-15	0.547049	8.31E-38	0.180382	8.86E-05	0.23913	1.70E-07	0.116683	0.01162
2.29E-38	0.663269	1.63E-60	0.167081	0.00029	0.142414	0.00203	0.237391	2.10E-07
1.86E-78	0.857751	#####	0.135159	0.00343	0.151792	0.001	0.310705	6.55E-12
1.42E-29	0.455278	2.83E-25	0.153202	0.0009	0.047315	0.30758	0.184787	5.89E-05
7.61E-64	0.792679	#####	0.038519	0.40627	0.127695	0.00572	0.259942	1.19E-08
7.91E-66	0.744466	1.30E-83	0.121311	0.00868	0.162712	0.00041	0.298369	4.67E-11
5.51E-14	0.482805	1.21E-28	0.099469	0.03163	0.072177	0.11933	0.036852	0.42689
1.19E-48	0.697302	3.00E-69	0.131934	0.00429	0.080219	0.08333	0.208891	5.30E-06
0.0105	0.137683	0.00287	-0.02073	0.65494	-0.0599	0.19634	-0.12694	0.00601
8.76E-19	0.465284	1.83E-26	-0.03776	0.4156	0.06812	0.1416	0.085115	0.0661
1.21E-11	0.300777	3.21E-11	-0.03035	0.51301	-0.0366	0.43002	-0.00282	0.95153
5.81E-44	0.58131	1.46E-43	0.022015	0.63511	0.024945	0.59078	-0.02816	0.54382
1.43E-08	0.200784	1.23E-05	-0.00624	0.89297	-0.05376	0.24625	-0.08778	0.05802
8.35E-41	0.586889	1.45E-44	0.012051	0.79506	0.033712	0.46737	0.084503	0.06808
2.65E-23	0.394327	7.99E-19	0.056443	0.22344	0.050806	0.27322	0.122531	0.00803
1.20E-23	0.529006	4.94E-35	-0.0269	0.56203	0.048545	0.29516	-0.05889	0.20394
0.00041	0.323841	7.30E-13	-0.04003	0.38812	0.140607	0.00232	0.055494	0.23133
1.78E-36	0.459188	9.81E-26	-0.05225	0.25976	0.024277	0.60076	0.153663	0.00086
0.0008	0.184804	5.88E-05	-0.07182	0.12119	0.006708	0.88505	0.062907	0.17474
0.0045	-0.144	0.00181	0.001961	0.96628	-0.02402	0.6046	-0.11614	0.01202
3.72E-42	0.504982	1.37E-31	0.08303	0.07304	0.014092	0.76133	0.151367	0.00103
4.31E-20	-0.43243	1.06E-22	-0.09399	0.04234	-0.03535	0.446	-0.11486	0.013
4.05E-17	0.486198	4.43E-29	0.041884	0.36647	0.108634	0.01886	0.185573	5.47E-05
4.37E-34	-0.57549	1.55E-42	-0.10715	0.02056	-0.16284	0.00041	-0.11591	0.01219
1.23E-47	0.670929	2.23E-62	0.058322	0.20838	0.124763	0.00694	0.125731	0.00652
3.39E-31	0.600311	4.63E-47	0.088998	0.05462	0.070422	0.1286	0.085998	0.06333
0.00079	0.184649	5.97E-05	0.03602	0.43741	0.068328	0.14039	-0.04378	0.3452
6.66E-08	0.202448	1.04E-05	0.162307	0.00043	0.063118	0.17329	0.123407	0.00759
1.56E-06	0.336714	7.64E-14	0.088634	0.05562	0.111231	0.01618	0.033954	0.46417

2.97E-38	0.582677	8.31E-44	0.088205	0.05681	0.1074	0.02026	0.277944	9.89E-10
1.44E-51	0.743694	2.37E-83	0.100809	0.02939	0.167002	0.00029	0.344127	1.98E-14
7.98E-06	-0.42179	1.44E-21	-0.06117	0.18695	-0.12566	0.00655	-0.19645	1.91E-05
2.29E-30	0.588274	8.09E-45	0.067369	0.14606	0.234941	2.81E-07	0.159991	0.00052
1.05E-44	0.743156	3.59E-83	0.170793	0.00021	0.149429	0.0012	0.039539	0.39394
5.74E-13	-0.30163	2.80E-11	0.002559	0.95602	-0.00228	0.96084	-0.16784	0.00027
2.73E-23	0.511688	1.60E-32	0.065828	0.15553	0.008061	0.86207	0.030812	0.50654
8.16E-08	-0.253	2.97E-08	0.017283	0.70951	-0.11767	0.01093	-0.14097	0.00226
3.54E-10	0.125318	0.0067	0.033269	0.47324	-0.02525	0.58626	0.089023	0.05455
2.29E-17	0.514577	6.23E-33	0.124643	0.007	0.169324	0.00024	-0.02099	0.65098
0.00116	-0.21287	3.47E-06	-0.06904	0.1363	0.045398	0.32761	-0.08142	0.07878
1.80E-52	0.692131	7.64E-68	0.03278	0.47977	0.087559	0.05866	0.10802	0.01955
6.18E-29	0.542211	4.78E-37	0.086381	0.06215	0.033145	0.47489	0.075383	0.10374
6.78E-46	0.714277	4.41E-74	0.061205	0.18672	0.135016	0.00346	0.109447	0.01798
2.02E-27	0.369457	1.50E-16	-0.0222	0.63229	0.084016	0.06968	0.183335	6.74E-05
4.10E-13	0.372381	8.29E-17	0.141406	0.00219	0.011919	0.79726	-0.05683	0.22023
7.58E-26	0.549138	3.87E-38	0.07449	0.10791	0.166572	0.0003	0.27592	1.32E-09
3.70E-30	0.519013	1.44E-33	0.114153	0.01357	0.130882	0.00461	0.227754	6.55E-07
1.03E-21	0.529588	4.04E-35	0.092254	0.04631	0.093338	0.0438	0.18303	6.94E-05
6.01E-48	0.599887	5.58E-47	0.008748	0.85045	0.183915	6.39E-05	0.058138	0.20982
7.14E-60	0.760138	4.14E-89	0.081373	0.07897	0.128495	0.00542	0.10439	0.02407
3.05E-30	0.671338	1.76E-62	0.207593	6.08E-06	0.196336	1.93E-05	0.159152	0.00056
7.79E-55	0.608975	9.82E-49	-0.00757	0.87035	0.097481	0.03521	0.161035	0.00048
1.57E-23	0.514286	6.86E-33	0.101483	0.02832	0.147456	0.0014	0.182135	7.54E-05
5.71E-37	0.597592	1.52E-46	0.096042	0.03801	0.120139	0.00936	0.124895	0.00688
1.42E-12	-0.26807	3.96E-09	-0.07152	0.12272	-0.05321	0.25115	-0.22054	1.49E-06
1.02E-20	0.504873	1.42E-31	-0.06811	0.14164	0.038279	0.4092	0.134304	0.00364
4.00E-20	0.426036	5.13E-22	0.035096	0.44927	0.067815	0.1434	0.11203	0.01543
5.22E-61	0.747258	1.46E-84	0.069877	0.13159	0.114391	0.01338	0.237639	2.03E-07
2.92E-54	0.770946	3.75E-93	0.015508	0.73818	0.152972	0.00091	0.224853	9.15E-07
9.38E-34	0.645652	1.99E-56	0.138634	0.00268	0.121493	0.00858	0.227979	6.39E-07
2.08E-37	0.502667	2.85E-31	-0.00347	0.94034	0.048179	0.29882	0.000804	0.98618
2.84E-17	0.45687	1.84E-25	0.161161	0.00047	0.080318	0.08295	0.117138	0.0113
2.26E-29	-0.56569	7.42E-41	-0.04922	0.28847	-0.0828	0.07384	-0.01541	0.73976
1.66E-30	0.46661	1.26E-26	0.040732	0.37982	0.050628	0.2749	0.002391	0.95891
1.38E-15	0.256017	2.01E-08	0.118814	0.01018	0.029334	0.52715	-0.07397	0.11041
8.88E-10	-0.33444	1.15E-13	-0.10318	0.02576	-0.0531	0.25216	-0.01834	0.69254
6.55E-24	0.464313	2.40E-26	0.033676	0.46783	0.129291	0.00514	0.013332	0.77384
8.90E-33	0.502611	2.90E-31	0.039864	0.39006	0.084257	0.06889	0.224799	9.21E-07
2.58E-08	0.257606	1.63E-08	-0.04061	0.38129	0.039921	0.38938	0.059626	0.19837
2.98E-17	0.404616	8.01E-20	0.057811	0.21239	-0.03201	0.49018	0.086972	0.06038
1.36E-19	0.357273	1.66E-15	-0.05115	0.26998	-0.00804	0.86251	0.077605	0.09392
1.73E-40	0.620284	5.35E-51	0.064723	0.1626	0.077977	0.09235	0.104752	0.02358
1.09E-08	0.235798	2.54E-07	-0.09803	0.03419	-0.03336	0.47199	-0.05772	0.2131
1.81E-13	0.390992	1.65E-18	-0.00529	0.90926	0.07047	0.12834	0.102983	0.02605

1.45E-12	0.397273	4.17E-19	0.056053	0.22666	0.038007	0.41253	-0.01599	0.73044
4.64E-25	0.529241	4.55E-35	-0.11319	0.01439	0.061736	0.18292	-0.04127	0.37354
6.28E-31	0.53083	2.63E-35	0.081234	0.07949	0.154203	0.00083	0.112292	0.01519
1.36E-33	0.585384	2.71E-44	-0.06179	0.18255	0.092462	0.04582	0.024286	0.60064
5.03E-30	0.464106	2.54E-26	-0.00305	0.94759	-0.00917	0.84331	0.284326	3.91E-10
7.12E-25	0.502645	2.87E-31	0.01716	0.71148	0.054681	0.23825	-0.14102	0.00225
1.04E-16	0.373073	7.20E-17	0.102784	0.02634	-0.02768	0.55072	-0.06401	0.16728
0.00019	-0.24961	4.59E-08	-0.00905	0.84536	-0.06503	0.16062	-0.07669	0.09786
4.33E-29	0.568974	2.06E-41	0.028402	0.54037	0.127749	0.0057	0.05466	0.23843
4.34E-05	0.129036	0.00523	-0.02265	0.62536	0.047825	0.30238	-0.1096	0.01782
1.08E-12	0.305356	1.55E-11	-0.01463	0.75254	0.098512	0.03331	0.045153	0.33024
5.31E-25	0.391429	1.50E-18	-0.07686	0.09714	-0.02517	0.58737	0.220817	1.44E-06
4.52E-14	0.343275	2.32E-14	-0.01458	0.75341	-0.00107	0.98153	0.071121	0.12484
6.13E-08	0.206242	7.01E-06	0.000211	0.99637	0.025707	0.57949	-0.08884	0.05504
2.09E-21	0.493846	4.40E-30	0.067135	0.14746	0.016674	0.71931	0.24857	5.24E-08
7.02E-40	0.676909	7.13E-64	0.030966	0.50442	0.085191	0.06585	0.153733	0.00086
2.02E-30	0.573874	2.95E-42	0.036523	0.43104	0.057402	0.21565	0.210472	4.48E-06
3.52E-06	0.410679	1.99E-20	0.102952	0.0261	0.150569	0.0011	0.266563	4.88E-09
3.05E-26	0.433028	9.12E-23	0.008369	0.85686	0.012422	0.78891	0.156456	0.00069
1.95E-12	0.280171	7.18E-10	-0.0771	0.09609	-0.04707	0.31007	0.148678	0.00127
7.25E-11	0.258313	1.48E-08	0.065465	0.15782	0.008652	0.85207	-0.03945	0.39503
1.74E-22	0.496788	1.78E-30	0.131838	0.00432	0.139712	0.00248	-0.00587	0.8993
0.00183	-0.06885	0.13738	0.01768	0.70315	0.018262	0.69387	0.004652	0.92013
6.80E-10	0.31106	6.18E-12	0.079425	0.08644	-0.02028	0.66202	-0.00369	0.93668
2.93E-13	0.369784	1.40E-16	0.003576	0.93857	-0.04206	0.36445	-0.05036	0.27745
1.95E-09	-0.34012	4.13E-14	-0.0056	0.90402	-0.05877	0.20492	-0.11628	0.01191
1.82E-07	-0.2441	9.20E-08	-0.23534	2.68E-07	0.005484	0.90591	-0.15111	0.00105
7.03E-05	-0.02954	0.5243	0.013474	0.77151	-0.04931	0.28762	-0.01642	0.72335
2.11E-30	0.434894	5.71E-23	0.038984	0.40062	0.046927	0.31156	0.133209	0.00393
4.62E-16	-0.46687	1.18E-26	-0.05378	0.24608	-0.2166	2.31E-06	-0.02392	0.60614
2.03E-08	0.414401	8.34E-21	0.087124	0.05993	0.106546	0.02129	-0.07745	0.09457
2.13E-18	-0.46297	3.47E-26	-0.14277	0.00198	-0.11596	0.01215	-0.09938	0.03178
3.47E-51	0.659311	1.43E-59	0.038584	0.40548	0.104697	0.02366	0.036288	0.43401
1.41E-32	0.646154	1.53E-56	0.063891	0.16808	0.057388	0.21576	0.332434	1.64E-13
9.49E-21	0.378232	2.49E-17	-0.03386	0.46537	0.012587	0.78616	0.054322	0.24134
1.06E-23	0.414608	7.95E-21	0.016676	0.71928	0.044128	0.34133	0.201594	1.13E-05
1.30E-07	0.318651	1.76E-12	0.091948	0.04705	0.009189	0.84302	-0.17873	0.0001
3.14E-07	0.290071	1.66E-10	0.019978	0.66675	0.0031	0.94673	0.125363	0.00668
2.59E-39	0.566105	6.32E-41	0.014685	0.75162	0.037067	0.4242	0.229683	5.24E-07
1.15E-12	-0.42071	1.87E-21	-0.14101	0.00226	-0.12279	0.0079	-0.06791	0.14286
7.06E-10	-0.33712	7.10E-14	-0.00504	0.91342	-0.05288	0.25412	-0.18843	4.17E-05
4.88E-11	0.473917	1.60E-27	0.185655	5.43E-05	0.195787	2.04E-05	-0.00885	0.84873
1.61E-10	0.274505	1.61E-09	0.088637	0.05561	0.065589	0.15703	0.26275	8.19E-09
1.23E-30	0.50567	1.10E-31	-0.03929	0.3969	0.083386	0.07181	0.070045	0.13066
9.16E-21	0.509998	2.76E-32	0.057766	0.21276	0.012168	0.79312	0.084924	0.06671

2.56E-14	-0.39696	4.47E-19	-0.13749	0.00291	-0.1353	0.0034	-0.23095	4.52E-07
3.45E-10	-0.40148	1.63E-19	-0.0099	0.83103	-0.02933	0.52726	-0.04837	0.29687
4.73E-12	0.373887	6.10E-17	0.089981	0.05199	0.08993	0.05212	0.197397	1.73E-05
8.92E-07	-0.20804	5.80E-06	0.008	0.86311	0.021246	0.64699	-0.12856	0.0054
9.19E-10	0.380249	1.63E-17	0.120428	0.00919	0.064475	0.16421	0.11817	0.01059
2.59E-38	0.566292	5.88E-41	0.005292	0.9092	0.051233	0.2692	0.34803	9.62E-15
7.38E-11	0.438342	2.39E-23	0.119522	0.00973	0.220943	1.42E-06	0.046379	0.31726
5.15E-33	0.582696	8.24E-44	0.174913	0.00015	0.070143	0.13013	0.120432	0.00919
3.55E-39	0.635711	3.06E-54	0.034096	0.4623	0.129566	0.00504	0.293752	9.52E-11
9.62E-18	0.499937	6.71E-31	0.237906	1.97E-07	0.063967	0.16757	0.181882	7.72E-05
5.93E-11	0.243078	1.04E-07	0.06957	0.1333	-0.0161	0.72857	0.019137	0.67998
1.32E-34	0.669616	4.69E-62	0.034785	0.45331	0.188841	4.01E-05	0.144733	0.00171
1.10E-32	0.698077	1.84E-69	0.047827	0.30237	0.141451	0.00218	0.274887	1.53E-09
2.24E-31	0.652802	4.70E-58	0.027285	0.55642	0.179446	9.65E-05	0.146401	0.00151
5.97E-45	0.577351	7.30E-43	0.129911	0.00493	0.076953	0.09672	0.361527	7.25E-16
5.67E-40	0.660403	7.87E-60	0.085513	0.06484	0.264886	6.13E-09	0.26788	4.07E-09
2.60E-28	0.572788	4.55E-42	0.057868	0.21194	0.088018	0.05734	0.089252	0.05393
0.00019	0.218305	1.91E-06	0.103683	0.02505	0.090133	0.05159	0.044085	0.34181
2.66E-18	0.45929	9.54E-26	-0.06281	0.1754	0.077719	0.09344	0.191288	3.17E-05
2.16E-26	0.410384	2.13E-20	0.039421	0.39535	0.05306	0.25247	0.02296	0.62066
1.05E-21	0.422214	1.30E-21	0.029197	0.52909	0.05197	0.26236	0.014	0.76284
5.58E-28	0.519546	1.21E-33	0.013898	0.76452	0.044395	0.33842	0.144104	0.0018
7.73E-40	0.647704	6.85E-57	0.026906	0.56192	0.132097	0.00424	0.255947	2.02E-08
1.66E-18	0.47987	2.86E-28	-0.01173	0.80044	0.085581	0.06462	0.025685	0.57981
5.21E-32	0.555661	3.43E-39	-0.00653	0.88804	0.102166	0.02727	-0.04463	0.3359
2.25E-05	0.198678	1.52E-05	0.069078	0.13607	0.07571	0.10224	-0.099	0.03245
5.59E-48	0.650469	1.61E-57	0.014387	0.75649	0.12129	0.0087	0.13737	0.00293
1.88E-49	0.607467	1.94E-48	0.147463	0.0014	0.018582	0.68878	0.228133	6.27E-07
1.82E-60	0.77728	1.26E-95	0.099098	0.03227	0.150488	0.00111	0.2576	1.63E-08
5.90E-46	0.723454	7.61E-77	0.083239	0.07232	0.17034	0.00022	0.31162	5.64E-12
5.43E-12	0.487051	3.43E-29	0.102142	0.0273	0.129844	0.00495	0.080223	0.08331
1.36E-32	0.557983	1.43E-39	-0.06581	0.15566	0.072145	0.11949	0.130398	0.00477
3.22E-15	0.309131	8.46E-12	0.073251	0.11391	0.104544	0.02386	0.077129	0.09596
8.54E-20	0.450067	1.14E-24	0.068601	0.13881	0.180157	9.05E-05	0.122782	0.0079
2.58E-49	0.621833	2.57E-51	0.120551	0.00912	0.095507	0.0391	0.242269	1.15E-07
1.19E-64	0.571651	7.16E-42	0.076115	0.10042	0.027199	0.55767	0.090851	0.04975
2.78E-06	-0.19603	1.99E-05	0.092833	0.04495	0.004175	0.9283	-0.04446	0.33771
2.01E-16	0.352892	3.84E-15	0.082216	0.07591	-0.05582	0.22863	0.02295	0.62082
5.47E-39	0.704912	2.26E-71	0.027885	0.54778	0.177076	0.00012	0.029778	0.52092
2.21E-25	0.428525	2.79E-22	-0.03188	0.49196	0.000634	0.9891	0.115051	0.01285
3.33E-45	0.778286	5.00E-96	0.198354	1.57E-05	0.146438	0.00151	0.154862	0.00079
1.06E-41	0.65626	7.42E-59	0.12419	0.00721	0.046772	0.31317	0.083931	0.06997
4.17E-18	0.50464	1.53E-31	-0.02856	0.53808	0.049106	0.28961	0.042959	0.3543
5.84E-08	0.264165	6.77E-09	0.055218	0.23366	0.076777	0.09748	0.132679	0.00408
6.40E-16	0.465047	1.95E-26	0.000824	0.98582	0.031236	0.50071	0.12445	0.00709

1.04E-70	0.836478	#####	0.103966	0.02465	0.105481	0.02262	0.133854	0.00376
5.43E-41	0.692731	5.26E-68	0.14938	0.00121	0.149596	0.00119	0.119	0.01006
1.38E-24	0.452892	5.37E-25	0.068759	0.1379	0.072374	0.11832	0.123092	0.00774
0.00129	0.173997	0.00016	-0.01542	0.7396	-0.08919	0.05408	0.093631	0.04314
1.01E-40	0.651481	9.46E-58	0.108755	0.01873	0.1978	1.66E-05	0.320086	1.38E-12
1.26E-10	0.360677	8.57E-16	0.023099	0.61856	0.01693	0.71518	-0.01537	0.74044
5.81E-46	0.691993	8.31E-68	0.146017	0.00156	0.165912	0.00032	0.360983	8.07E-16
2.39E-19	0.487801	2.74E-29	-0.0054	0.9074	0.022765	0.62364	0.01721	0.71068
2.10E-24	0.533744	9.57E-36	0.065305	0.15884	0.016552	0.72128	0.044979	0.3321
4.95E-51	0.753296	1.17E-86	0.106431	0.02143	0.085043	0.06633	0.177991	0.00011
1.18E-19	0.401558	1.60E-19	-0.06815	0.14144	0.071876	0.12088	0.046552	0.31545
1.05E-10	0.422559	1.19E-21	0.038499	0.40651	0.008437	0.85571	0.172209	0.00018
7.59E-39	0.621115	3.61E-51	0.240274	1.48E-07	0.173074	0.00017	0.118031	0.01069
0.00516	0.091057	0.04923	-0.01258	0.78627	0.11823	0.01055	-0.14799	0.00134
5.21E-23	0.511035	1.97E-32	0.02587	0.57709	0.054085	0.24341	0.239834	1.56E-07
5.54E-20	0.515014	5.40E-33	0.103294	0.0256	0.203563	9.26E-06	0.249754	4.51E-08
1.39E-18	0.249631	4.58E-08	-0.04987	0.28213	-0.06059	0.1912	0.124634	0.007
5.11E-15	0.439567	1.75E-23	0.075533	0.10305	0.069423	0.13413	0.347896	9.86E-15
6.40E-47	0.664724	7.28E-61	0.105366	0.02277	0.086569	0.06158	0.135009	0.00347
2.53E-12	-0.5071	6.99E-32	-0.07953	0.08601	-0.17214	0.00019	-0.07616	0.10023
2.14E-19	-0.50465	1.52E-31	-0.14443	0.00175	-0.10463	0.02374	-0.07423	0.10916
0.00023	0.196069	1.98E-05	-0.07392	0.11063	0.031485	0.49731	-0.07693	0.09682
1.57E-19	0.461634	5.02E-26	0.10096	0.02915	0.030144	0.5158	0.00175	0.96992
4.07E-37	0.689506	3.84E-67	0.12105	0.00883	0.187857	4.40E-05	0.241196	1.32E-07
1.35E-12	0.433846	7.43E-23	0.133988	0.00372	0.243437	9.99E-08	0.173598	0.00016
3.15E-55	0.697487	2.67E-69	0.082974	0.07323	0.068739	0.13801	0.214022	3.06E-06
7.83E-54	0.657583	3.64E-59	0.114802	0.01305	0.121019	0.00885	0.190567	3.40E-05
2.61E-29	0.541658	5.83E-37	0.056956	0.21925	-0.02014	0.66421	0.203475	9.35E-06
2.43E-10	-0.30031	3.45E-11	-0.05768	0.21342	-0.05531	0.23286	-0.02457	0.59633
5.48E-09	-0.28545	3.32E-10	-0.05369	0.24685	-0.07844	0.09044	-0.10996	0.01745
3.51E-25	0.545797	1.31E-37	-0.00111	0.98089	0.046003	0.3212	0.034916	0.45161
9.37E-20	0.4916	8.72E-30	-0.00607	0.89597	0.155083	0.00077	0.275397	1.42E-09
2.48E-22	0.402852	1.20E-19	0.027779	0.5493	0.009122	0.84413	0.242147	1.17E-07
1.91E-05	-0.16699	0.00029	0.002003	0.96557	0.017011	0.71387	-0.08669	0.06123
3.04E-07	0.309948	7.41E-12	-0.01531	0.74137	0.020255	0.66241	-0.02793	0.54711
1.04E-18	0.414548	8.06E-21	-0.00241	0.95862	-0.00099	0.98302	0.001425	0.97551
2.53E-28	0.489572	1.61E-29	0.014517	0.75437	0.051531	0.26642	0.111966	0.01549
1.93E-09	0.227133	7.04E-07	0.047942	0.3012	-0.00817	0.86021	-0.04179	0.36754
2.32E-06	-0.25208	3.35E-08	0.044839	0.3336	-0.04487	0.33323	-0.2041	8.76E-06
5.12E-10	-0.25535	2.19E-08	0.000732	0.98741	-0.00481	0.91743	-0.00615	0.8946
7.57E-18	0.427416	3.66E-22	0.158989	0.00056	0.181659	7.88E-05	0.12589	0.00645
2.58E-25	0.515422	4.73E-33	0.002592	0.95545	0.072419	0.11809	0.109738	0.01768
7.50E-07	0.286077	3.02E-10	0.108164	0.01938	0.020927	0.65193	0.147219	0.00142
4.59E-45	0.764214	1.31E-90	0.029997	0.51786	0.108027	0.01954	0.090311	0.05113
2.78E-25	0.544515	2.09E-37	0.100179	0.03042	0.040801	0.37902	0.091183	0.04892

4.06E-27	0.608099	1.46E-48	0.062747	0.17584	0.168421	0.00026	0.190711	3.35E-05
6.93E-28	0.453664	4.37E-25	0.108583	0.01892	0.121836	0.0084	-0.00515	0.9116
2.24E-40	0.666613	2.54E-61	0.055476	0.23148	0.128098	0.00557	0.263764	7.14E-09
2.87E-05	0.251581	3.57E-08	0.136645	0.00309	-0.00742	0.87289	0.085924	0.06355
1.91E-05	0.130857	0.00462	-0.03977	0.39124	-0.04438	0.33863	-0.08847	0.05607
4.53E-11	0.294901	7.98E-11	0.051842	0.26354	0.054667	0.23837	-0.05589	0.22805
2.78E-06	0.34513	1.65E-14	0.052707	0.25564	0.122986	0.0078	0.157622	0.00063
1.61E-27	0.583982	4.84E-44	0.099214	0.03207	0.03314	0.47495	0.237376	2.10E-07
2.79E-29	0.447099	2.48E-24	0.017088	0.71264	0.121416	0.00863	0.165847	0.00032
7.16E-41	0.645724	1.91E-56	0.132955	0.004	0.076606	0.09824	0.0998	0.03106
3.88E-32	0.542068	5.04E-37	-0.01373	0.76721	0.077452	0.09457	0.192586	2.79E-05
1.63E-62	0.714758	3.18E-74	0.121826	0.0084	0.113567	0.01407	0.171086	0.0002
1.53E-09	0.224361	9.68E-07	0.018879	0.68407	0.05624	0.22511	0.002796	0.95194
2.03E-07	0.318561	1.79E-12	0.16565	0.00032	0.038888	0.40179	0.078076	0.09193
1.40E-05	-0.16381	0.00038	0.066508	0.15129	0.020798	0.65394	-0.0869	0.06061
4.06E-42	0.699598	6.98E-70	0.080445	0.08246	0.143403	0.00189	0.166453	0.0003
1.47E-20	0.45783	1.42E-25	-0.01	0.82927	0.070548	0.12791	0.169489	0.00023
4.57E-15	0.340803	3.65E-14	-0.01025	0.8252	0.053166	0.25152	-0.10753	0.02011
5.51E-11	0.338575	5.47E-14	-0.00198	0.96593	0.055043	0.23515	-0.01141	0.80567
2.37E-11	0.385161	5.79E-18	-0.02433	0.59991	0.054028	0.24391	0.062771	0.17567
1.82E-14	0.383853	7.65E-18	-0.03948	0.39468	0.104884	0.02341	0.011886	0.79782
2.24E-08	0.20045	1.27E-05	-0.05466	0.23844	0.068372	0.14013	0.10278	0.02635
6.90E-08	0.315861	2.80E-12	0.068269	0.14073	-0.03204	0.48978	0.047882	0.30181
1.62E-30	0.645485	2.16E-56	-0.00359	0.93828	0.165313	0.00033	0.072204	0.11919
1.81E-10	-0.29872	4.42E-11	0.009231	0.8423	-0.02729	0.55641	-0.11995	0.00947
1.53E-21	0.405233	6.96E-20	0.029799	0.52063	0.10227	0.02711	0.23867	1.79E-07
1.50E-27	0.570301	1.22E-41	0.102833	0.02627	0.09548	0.03916	0.101869	0.02772
6.35E-28	0.569183	1.90E-41	0.144815	0.0017	0.133422	0.00387	0.014935	0.74752
1.59E-06	-0.17439	0.00015	-0.23581	2.53E-07	-0.04217	0.36327	-0.13913	0.00259
1.66E-31	0.481566	1.74E-28	0.013339	0.77373	0.067036	0.14806	0.202288	1.06E-05
0.14953	0.089067	0.05443	0.131371	0.00446	0.092662	0.04535	-0.08083	0.08098
3.87E-07	0.266081	5.21E-09	-0.01637	0.72427	0.046962	0.31121	0.162161	0.00043
3.62E-26	0.425633	5.66E-22	-0.06314	0.17317	0.054985	0.23564	0.030608	0.50937
7.57E-11	0.444137	5.38E-24	0.212899	3.45E-06	0.196755	1.85E-05	0.170546	0.00021
2.77E-14	0.388993	2.55E-18	0.061174	0.18694	0.080564	0.08201	0.033882	0.46513
5.83E-32	0.559093	9.37E-40	0.011764	0.79984	0.044591	0.33629	0.248558	5.25E-08
3.43E-10	0.459487	9.04E-26	-0.01331	0.77413	0.045826	0.32307	0.088044	0.05727
3.88E-34	0.593323	9.53E-46	0.122983	0.0078	0.057469	0.21512	0.101063	0.02898
0.00545	-0.20906	5.21E-06	-0.09703	0.03607	-0.04163	0.36941	-0.15047	0.00111
5.35E-41	0.604317	7.91E-48	0.03481	0.45297	0.056063	0.22657	0.113657	0.01399
3.11E-17	-0.44089	1.25E-23	-0.0767	0.0978	-0.08828	0.05661	-0.34818	9.35E-15
6.10E-11	0.326996	4.24E-13	-0.06871	0.1382	0.00082	0.98591	-0.01691	0.71544
2.12E-05	-0.25148	3.61E-08	-0.03495	0.45112	-0.00952	0.83749	-0.20083	1.23E-05
1.13E-44	0.650222	1.84E-57	0.120128	0.00936	0.131637	0.00438	0.203473	9.35E-06
4.09E-32	0.462764	3.68E-26	0.060153	0.19442	0.024844	0.59228	0.093365	0.04373

1.24E-27	0.670323	3.14E-62	0.082625	0.07445	0.24767	5.88E-08	0.146882	0.00146
2.28E-16	0.300282	3.47E-11	-0.03272	0.48055	-0.0058	0.90044	0.120148	0.00935
3.52E-11	-0.35055	6.00E-15	-0.07697	0.09663	-0.1253	0.00671	-0.12971	0.00499
8.80E-16	0.302635	2.39E-11	-0.0615	0.1846	0.019694	0.6712	0.02861	0.53741
1.76E-08	-0.333	1.48E-13	-0.0603	0.19337	-0.1211	0.0088	-0.16422	0.00037
9.53E-27	-0.5931	1.05E-45	-0.13844	0.00272	-0.17351	0.00016	-0.15599	0.00072
1.49E-20	0.481579	1.74E-28	0.105486	0.02262	-0.03132	0.49953	0.000627	0.98921
2.77E-28	0.490877	1.09E-29	0.088527	0.05591	0.038165	0.4106	0.11598	0.01214
7.90E-29	0.624118	8.70E-52	0.024226	0.60152	0.121894	0.00837	0.15143	0.00103
8.40E-07	0.343532	2.21E-14	-0.02701	0.56038	0.099182	0.03212	-0.09764	0.0349
1.14E-13	-0.36893	1.67E-16	-0.14236	0.00204	-0.1825	7.29E-05	-0.06988	0.1316
1.86E-06	-0.29224	1.20E-10	0.066926	0.14873	-0.15203	0.00098	-0.1173	0.01119
4.07E-13	0.247843	5.75E-08	-0.01162	0.80233	-0.06694	0.14863	0.107109	0.02061
4.39E-28	0.547577	6.85E-38	0.071259	0.12411	0.065703	0.15632	0.1872	4.69E-05
5.19E-27	0.43168	1.28E-22	0.245795	7.44E-08	0.076023	0.10083	-0.02797	0.54649
1.10E-06	-0.34057	3.81E-14	-0.0908	0.04988	-0.07418	0.10941	-0.12321	0.00769
1.72E-42	0.541553	6.06E-37	0.006907	0.88166	0.090619	0.05034	0.182913	7.02E-05
9.01E-08	0.4366	3.71E-23	0.052796	0.25485	0.171237	0.0002	0.056172	0.22567
6.63E-13	0.29774	5.15E-11	-0.052	0.26212	0.171749	0.00019	0.062053	0.18068
1.16E-29	0.489176	1.81E-29	0.075552	0.10296	0.052972	0.25326	0.076482	0.09878
5.46E-11	-0.34559	1.51E-14	-0.15198	0.00099	-0.14955	0.00119	-0.15903	0.00056
9.15E-33	0.558242	1.29E-39	0.002069	0.96443	0.102123	0.02733	0.114601	0.01321
1.58E-06	0.342965	2.46E-14	0.028504	0.53891	0.178541	0.0001	0.141321	0.0022
0.0004	0.01943	0.67537	0.009915	0.83078	-0.04072	0.38	-0.09687	0.03639
1.98E-48	0.697885	2.07E-69	0.119669	0.00964	0.179565	9.55E-05	0.031408	0.49836
1.56E-10	-0.38335	8.52E-18	-0.05267	0.25597	-0.12789	0.00565	-0.06685	0.14921
1.11E-34	0.451347	8.10E-25	0.038158	0.41068	0.067873	0.14305	0.216784	2.26E-06
5.91E-41	0.65328	3.65E-58	0.062629	0.17665	0.087237	0.0596	0.222012	1.26E-06
9.09E-09	-0.23092	4.53E-07	-0.02908	0.53076	-0.03564	0.44221	-0.11221	0.01526
3.48E-14	0.464664	2.17E-26	0.105273	0.02289	0.055487	0.23139	-0.00396	0.93203
9.11E-21	-0.51415	7.16E-33	-0.10122	0.02874	-0.15428	0.00082	-0.12138	0.00865
4.02E-08	-0.29183	1.27E-10	0.046248	0.31863	-0.04173	0.36825	-0.00274	0.95284
1.17E-18	0.482387	1.37E-28	0.028673	0.53652	0.074013	0.11019	0.179741	9.40E-05
2.76E-10	0.426313	4.80E-22	0.083877	0.07015	0.02349	0.61262	0.047208	0.30867
1.74E-50	0.622005	2.37E-51	0.060065	0.19507	0.07095	0.12575	0.143417	0.00189
1.51E-51	0.644321	3.94E-56	0.040461	0.383	0.075367	0.10381	0.212447	3.63E-06
3.50E-22	0.313991	3.82E-12	-0.01203	0.7955	0.004902	0.91585	0.21627	2.39E-06
2.36E-15	0.331361	1.98E-13	-0.02719	0.55782	0.113018	0.01454	0.156073	0.00071
1.61E-26	0.525459	1.66E-34	0.071335	0.12371	0.153061	0.00091	-0.02294	0.62096
2.79E-05	-0.14508	0.00167	-0.1449	0.00169	0.004368	0.92499	-0.10421	0.02432
3.31E-52	0.647657	7.02E-57	0.103476	0.02534	0.084676	0.06751	0.267547	4.26E-09
5.82E-26	0.614958	6.39E-50	0.026118	0.57343	0.128955	0.00526	0.204504	8.40E-06
2.44E-06	0.298199	4.80E-11	-0.11885	0.01015	0.092878	0.04485	0.021396	0.64467
7.43E-05	0.307455	1.11E-11	-0.02995	0.51853	0.008263	0.85866	-0.00023	0.99602
0.00253	0.217591	2.07E-06	0.021505	0.64298	-0.00152	0.97393	0.063608	0.16997



2.38E-45	0.601994	2.21E-47	0.051454	0.26714	0.002601	0.9553	0.206915	6.53E-06
1.04E-30	0.351137	5.36E-15	0.101588	0.02815	-0.01078	0.81627	0.062615	0.17676
1.36E-05	-0.09034	0.05105	0.014149	0.7604	0.088536	0.05589	-0.05035	0.27755
8.29E-41	0.668931	6.91E-62	0.051391	0.26772	0.134591	0.00357	0.124963	0.00685
2.20E-10	-0.30063	3.28E-11	0.000344	0.99409	-0.07183	0.12113	-0.15413	0.00083
1.00E-38	0.548186	5.48E-38	0.023217	0.61676	0.074541	0.10767	0.192165	2.91E-05
8.48E-29	0.297986	4.96E-11	-0.10399	0.02462	-0.00921	0.84267	0.230742	4.63E-07
2.06E-20	-0.47204	2.73E-27	-0.09775	0.03471	-0.1204	0.0092	-0.10013	0.0305
0.00039	0.273205	1.94E-09	0.014161	0.76019	0.033022	0.47653	0.038086	0.41157
6.73E-31	0.677604	4.75E-64	0.134939	0.00348	0.173688	0.00016	0.202122	1.07E-05
9.53E-21	-0.57797	5.68E-43	-0.10538	0.02276	-0.19572	2.05E-05	-0.20048	1.27E-05
3.35E-18	0.547388	7.34E-38	0.039105	0.39916	0.174297	0.00015	-0.04752	0.30549
8.36E-25	-0.44165	1.02E-23	-0.08706	0.06011	-0.0106	0.81924	-0.21509	2.72E-06
8.46E-19	-0.509	3.80E-32	-0.12242	0.00809	-0.24265	1.10E-07	-0.0883	0.05655
2.67E-10	0.338605	5.44E-14	0.050217	0.27882	0.152194	0.00097	0.114592	0.01322
1.79E-16	0.493668	4.64E-30	0.039635	0.39279	0.081356	0.07903	0.142127	0.00208
2.26E-29	0.579403	3.17E-43	0.108127	0.01943	0.107023	0.02071	0.254891	2.32E-08
3.32E-19	0.445619	3.66E-24	0.024361	0.5995	0.179402	9.69E-05	0.123842	0.00738
2.49E-42	0.634042	7.02E-54	0.098808	0.03278	0.106328	0.02155	0.073129	0.11452
5.20E-28	0.545456	1.48E-37	0.041587	0.36989	0.031251	0.50051	0.081003	0.08035
7.63E-08	0.186868	4.84E-05	0.140098	0.00241	0.016408	0.72359	0.164288	0.00036
7.36E-24	0.549349	3.58E-38	0.123719	0.00743	0.095296	0.03954	0.060539	0.19157
1.95E-06	-0.35236	4.25E-15	-0.12942	0.00509	-0.07073	0.12693	-0.21051	4.46E-06
5.39E-20	0.55202	1.33E-38	-0.02735	0.55542	0.15925	0.00055	-0.05111	0.27034
1.35E-09	-0.40999	2.34E-20	-0.04389	0.34391	-0.15286	0.00092	-0.02862	0.53728
1.66E-07	0.310829	6.42E-12	-0.04725	0.30826	-0.02512	0.58822	0.1516	0.00102
3.92E-53	0.62076	4.27E-51	0.03988	0.38987	0.112942	0.01461	0.355614	2.29E-15
5.81E-26	-0.41255	1.29E-20	-0.03755	0.41817	-0.07273	0.11654	-0.19403	2.42E-05
4.90E-10	-0.24725	6.19E-08	-0.06515	0.15984	-0.09034	0.05105	0.022847	0.62239
6.78E-10	0.326556	4.57E-13	0.105141	0.02307	0.090415	0.05086	0.239337	1.65E-07
2.03E-51	0.601117	3.25E-47	0.080613	0.08182	0.061091	0.18754	0.169607	0.00023
2.32E-23	0.518626	1.64E-33	0.060575	0.19131	0.124564	0.00704	0.272759	2.07E-09
1.15E-16	0.35268	4.00E-15	-0.07135	0.12362	-0.02707	0.55947	-0.02744	0.55421
7.88E-22	0.388441	2.87E-18	-0.02169	0.64018	0.00368	0.93678	0.130793	0.00464
2.34E-47	0.713326	8.40E-74	0.103544	0.02525	0.095016	0.04012	0.275694	1.36E-09
1.24E-52	0.637466	1.28E-54	0.063676	0.16952	0.068964	0.13672	0.23098	4.50E-07
4.80E-08	-0.24897	4.98E-08	-0.1214	0.00864	0.015865	0.73239	-0.06294	0.17453
2.32E-26	0.402292	1.36E-19	-0.03844	0.40727	-0.00918	0.84312	0.123888	0.00735
9.59E-05	-0.21843	1.89E-06	0.049324	0.28747	-0.07325	0.11393	-0.07812	0.09177
7.26E-37	0.637017	1.60E-54	0.040978	0.37695	0.136204	0.00319	0.255481	2.15E-08
3.48E-41	0.531172	2.34E-35	0.077242	0.09547	0.077572	0.09406	0.21449	2.91E-06
8.48E-35	0.667476	1.57E-61	0.111076	0.01633	0.17153	0.0002	0.199936	1.34E-05
1.66E-05	0.229492	5.36E-07	0.052352	0.25887	0.082915	0.07344	-0.02995	0.51847
9.17E-16	-0.4381	2.54E-23	-0.16557	0.00033	0.009093	0.84463	-0.07468	0.10703
3.18E-14	-0.29831	4.71E-11	-0.1147	0.01313	0.013588	0.76963	-0.26236	8.64E-09

3.77E-05	-0.13509	0.00345	0.157688	0.00063	-0.05275	0.25528	-0.12871	0.00534
5.65E-47	0.627614	1.62E-52	0.079195	0.08736	0.013378	0.77309	0.170315	0.00022
7.47E-18	0.412767	1.22E-20	0.08588	0.06369	0.157885	0.00062	0.164928	0.00034
5.87E-42	0.623886	9.71E-52	0.180263	8.96E-05	0.147238	0.00142	0.250284	4.21E-08
1.13E-40	0.616076	3.81E-50	0.012786	0.78287	0.087026	0.06022	0.153851	0.00085
1.26E-05	0.189742	3.68E-05	0.084568	0.06786	-0.07221	0.11917	0.180651	8.65E-05
5.15E-71	0.742937	4.25E-83	0.016392	0.72386	0.10984	0.01757	0.253664	2.73E-08
0.00032	0.297178	5.62E-11	0.008339	0.85736	0.160241	0.00051	0.08696	0.06042
6.32E-44	0.624683	6.64E-52	0.057905	0.21165	0.139513	0.00251	0.181108	8.29E-05
9.50E-30	0.537862	2.25E-36	0.043609	0.34706	0.110336	0.01707	0.095107	0.03993
7.32E-29	0.667767	1.33E-61	0.117509	0.01104	0.194089	2.41E-05	0.218622	1.85E-06
5.02E-14	0.20153	1.14E-05	-0.02663	0.56601	-0.07331	0.1136	0.103049	0.02596
5.89E-38	0.522386	4.68E-34	-0.0129	0.78095	0.061175	0.18693	0.168171	0.00026
4.23E-16	0.393146	1.03E-18	-0.0175	0.70604	0.057544	0.21452	0.198077	1.62E-05
1.45E-12	0.325575	5.42E-13	-0.02111	0.64904	-0.03558	0.44308	0.182562	7.25E-05
1.08E-19	0.584403	4.07E-44	0.130714	0.00466	0.108086	0.01947	0.065355	0.15852
0.0248	0.149003	0.00124	-0.01411	0.76109	0.095505	0.03911	0.151382	0.00103
6.36E-15	0.387733	3.34E-18	0.105525	0.02257	-0.05291	0.25385	-0.05964	0.19829
0.00281	-0.08955	0.05313	-0.01361	0.76927	0.046449	0.31653	0.089959	0.05205
1.03E-90	0.678162	3.43E-64	0.083951	0.0699	0.076934	0.0968	0.394906	7.03E-19
9.79E-08	-0.23588	2.51E-07	-0.02006	0.66547	-0.01509	0.74499	-0.23091	4.53E-07
1.80E-11	0.403356	1.07E-19	-0.01108	0.81125	0.045325	0.3284	0.289242	1.88E-10
2.29E-19	0.486682	3.83E-29	0.116175	0.01199	0.10092	0.02921	0.294156	8.95E-11
6.61E-15	0.324702	6.30E-13	0.061576	0.18406	-0.02299	0.62023	0.277417	1.07E-09
2.11E-14	0.380508	1.55E-17	0.068133	0.14153	0.055991	0.22717	0.247364	6.11E-08
3.98E-08	-0.1546	0.0008	0.037677	0.41661	0.064758	0.16237	-0.053	0.25297
2.11E-24	0.460685	6.52E-26	-0.01747	0.70657	0.005813	0.9003	0.051288	0.26869
3.93E-30	0.539597	1.22E-36	0.07573	0.10216	0.094709	0.04078	0.164859	0.00035
6.39E-54	0.658107	2.74E-59	-0.00411	0.92946	0.019298	0.67745	0.128364	0.00547
2.81E-28	0.647315	8.39E-57	0.116927	0.01145	0.114001	0.0137	0.256516	1.88E-08
8.73E-07	0.159498	0.00054	-0.10487	0.02342	-0.01236	0.78999	0.093344	0.04378
2.23E-08	0.376407	3.63E-17	0.074577	0.1075	0.093943	0.04244	0.137655	0.00287
9.42E-07	0.280258	7.09E-10	0.022655	0.62531	0.124968	0.00685	-0.06203	0.18081
9.74E-27	0.447887	2.02E-24	0.032966	0.47728	0.007533	0.87103	0.012376	0.78966
1.26E-29	0.533497	1.04E-35	-0.0094	0.83945	0.054102	0.24326	0.113829	0.01384
0.04311	0.135898	0.00326	0.098032	0.03418	0.091728	0.04758	0.224815	9.19E-07
2.65E-28	0.463092	3.36E-26	-0.00265	0.95443	0.070734	0.12691	0.265316	5.79E-09
8.78E-29	0.573536	3.38E-42	-0.0007	0.98803	0.062251	0.17929	0.124195	0.00721
5.14E-28	0.513315	9.42E-33	0.219593	1.66E-06	0.019179	0.67932	0.192544	2.80E-05
4.91E-13	0.451999	6.81E-25	0.009842	0.83201	0.104826	0.02348	0.031065	0.50305
1.77E-59	0.701422	2.17E-70	0.047338	0.30734	0.113286	0.01431	0.109552	0.01787
8.98E-37	0.552562	1.09E-38	0.129925	0.00492	0.024264	0.60096	0.032039	0.48976
3.80E-28	0.51569	4.33E-33	0.071547	0.12259	0.204927	8.04E-06	0.137336	0.00294
2.51E-24	0.504676	1.51E-31	0.031842	0.49244	0.126874	0.00604	0.098099	0.03406
7.39E-22	0.492049	7.61E-30	-0.0032	0.94504	0.095964	0.03817	0.247507	6.00E-08

3.16E-08	-0.27501	1.50E-09	-0.00093	0.98406	-0.04195	0.36575	-0.13204	0.00426
0.00354	0.115924	0.01218	-0.06348	0.17083	-0.05941	0.19999	0.080805	0.08109
7.33E-44	0.588973	6.03E-45	0.064405	0.16467	0.127784	0.00569	0.19408	2.41E-05
1.51E-22	0.524973	1.95E-34	0.066505	0.15131	0.130695	0.00467	0.191074	3.23E-05
3.95E-78	0.536307	3.90E-36	0.060459	0.19216	-0.03712	0.42357	0.06143	0.1851
4.41E-25	0.462557	3.89E-26	0.082403	0.07524	0.03706	0.42429	0.170579	0.00021
1.67E-46	0.681246	5.58E-65	0.033252	0.47347	0.129901	0.00493	0.293424	1.00E-10
1.19E-48	0.695603	8.76E-69	0.118863	0.01014	0.133614	0.00382	0.306343	1.33E-11
1.26E-31	0.587621	1.06E-44	-0.19253	2.81E-05	0.06119	0.18682	-0.0048	0.91762
4.66E-09	0.461988	4.56E-26	0.049842	0.28243	0.080112	0.08374	0.019258	0.67808
7.44E-13	0.395674	5.94E-19	-0.02292	0.62133	-0.03417	0.4614	0.009772	0.83319
4.00E-41	0.631728	2.19E-53	0.0346	0.4557	0.097947	0.03434	-0.00324	0.94432
1.31E-27	0.41753	3.98E-21	-0.02585	0.57732	0.104373	0.02409	0.110361	0.01704
#####	0.70341	6.00E-71	0.09885	0.03271	0.112859	0.01468	0.21353	3.23E-06
7.04E-10	0.344641	1.80E-14	0.048725	0.29337	0.154434	0.00081	0.156125	0.00071
3.02E-43	0.642516	9.93E-56	0.043704	0.346	0.028283	0.54207	0.112317	0.01517
2.81E-66	0.771925	1.57E-93	0.125558	0.00659	0.136982	0.00301	0.218477	1.88E-06
3.33E-31	0.614912	6.53E-50	0.04102	0.37645	0.053506	0.2485	-0.08506	0.06626
2.44E-13	-0.32332	7.97E-13	-0.06887	0.13728	-0.0605	0.19187	-0.07481	0.10639
1.92E-40	0.563585	1.68E-40	0.095649	0.03881	0.062578	0.17701	0.182797	7.09E-05
2.26E-24	0.595011	4.62E-46	0.028983	0.53212	0.098467	0.03339	-0.00974	0.83366
6.40E-32	0.623246	1.32E-51	0.063316	0.17195	0.104738	0.0236	0.174902	0.00015
1.18E-24	0.537249	2.80E-36	0.051045	0.27097	0.069932	0.13129	0.190446	3.44E-05
1.27E-49	0.692388	6.51E-68	0.180584	8.70E-05	0.113918	0.01377	0.223572	1.06E-06
2.10E-09	-0.2928	1.10E-10	-0.17688	0.00012	-0.0918	0.04739	-0.24813	5.55E-08
1.42E-06	0.2709	2.68E-09	-0.0073	0.87496	0.129148	0.00519	0.013355	0.77347
1.30E-37	0.47155	3.14E-27	0.063058	0.1737	0.098166	0.03394	-0.00556	0.90457
5.61E-19	0.460703	6.48E-26	0.175636	0.00014	0.104204	0.02432	0.118887	0.01013
7.03E-21	0.515029	5.38E-33	-0.0262	0.57217	0.060366	0.19285	0.034695	0.45447
1.88E-11	0.360501	8.87E-16	0.060359	0.1929	0.030751	0.50739	0.114398	0.01337
9.83E-37	0.572712	4.70E-42	0.10064	0.02966	0.068071	0.14189	0.078274	0.09111
9.01E-16	0.399532	2.52E-19	0.089301	0.05379	-0.03359	0.46898	0.197152	1.78E-05
3.47E-19	0.429503	2.19E-22	-0.02388	0.60675	0.101047	0.02901	0.043223	0.35134
2.11E-15	0.334054	1.23E-13	-0.01375	0.76698	-0.01626	0.72603	0.245627	7.60E-08
2.11E-11	0.256191	1.96E-08	0.034649	0.45507	0.115527	0.01248	0.034083	0.46248
5.75E-20	-0.47863	4.11E-28	-0.07973	0.08523	-0.20665	6.72E-06	-0.09467	0.04087
8.39E-05	0.140916	0.00227	-0.02797	0.54657	-0.09383	0.04269	0.004115	0.92933
1.12E-45	0.683017	1.95E-65	0.185003	5.77E-05	0.121264	0.00871	0.28373	4.27E-10
3.49E-30	-0.49477	3.32E-30	-0.10926	0.01818	-0.08473	0.06735	-0.06287	0.17501
4.67E-14	-0.37694	3.25E-17	-0.03299	0.477	-0.10442	0.02403	-0.14329	0.00191
3.06E-23	0.496729	1.81E-30	0.048012	0.30049	-0.0169	0.71566	0.161614	0.00045
5.20E-23	0.416331	5.29E-21	0.065354	0.15853	-0.0534	0.24942	0.083243	0.07231
1.85E-29	0.519626	1.18E-33	0.033072	0.47587	0.13688	0.00304	0.038126	0.41107
0.00278	0.155087	0.00077	-0.0438	0.34499	0.019136	0.68	-0.09533	0.03946
6.83E-06	0.36526	3.47E-16	0.112376	0.01511	0.100775	0.02944	-0.01187	0.79813

0.00099	0.226016	8.01E-07	-0.08928	0.05385	0.009305	0.84106	-0.09335	0.04377
1.12E-09	0.347144	1.13E-14	-0.00441	0.92436	0.064412	0.16463	-0.09459	0.04103
3.15E-05	0.223944	1.01E-06	-0.02344	0.6134	0.172002	0.00019	-0.01628	0.72569
2.25E-31	0.606169	3.47E-48	0.05998	0.19571	0.056153	0.22583	0.153888	0.00085
8.27E-32	0.529461	4.22E-35	0.019599	0.67271	0.079995	0.0842	0.196454	1.90E-05
6.14E-60	0.598357	1.09E-46	0.179294	9.79E-05	0.106554	0.02128	0.083435	0.07165
5.33E-14	0.372368	8.31E-17	0.045742	0.32396	-0.0064	0.89021	0.085796	0.06395
1.25E-16	0.540736	8.11E-37	0.047108	0.3097	0.168495	0.00025	0.040327	0.38458
4.35E-10	0.469139	6.22E-27	0.051451	0.26716	0.241454	1.28E-07	0.021475	0.64344
1.78E-33	0.73268	9.75E-80	0.05821	0.20925	0.16871	0.00025	0.073734	0.11154
4.03E-08	0.311329	5.92E-12	0.019847	0.6688	0.144384	0.00176	0.136691	0.00308
4.06E-47	0.758485	1.65E-88	0.112573	0.01493	0.20206	1.08E-05	0.169978	0.00022
6.72E-39	0.587216	1.26E-44	-0.0388	0.40287	0.06101	0.18813	0.22478	9.23E-07
2.31E-46	0.753601	9.12E-87	0.028756	0.53534	0.12972	0.00499	0.15301	0.00091
2.71E-22	0.451384	8.02E-25	0.031575	0.49607	0.097741	0.03472	0.145322	0.00164
2.33E-38	0.630892	3.30E-53	0.128961	0.00525	0.084689	0.06747	0.238642	1.80E-07
2.85E-09	0.300105	3.56E-11	0.076592	0.0983	0.046112	0.32005	0.173502	0.00016
3.13E-47	0.731603	2.15E-79	0.062378	0.1784	0.144732	0.00171	0.15198	0.00099
2.67E-17	0.411458	1.66E-20	0.078329	0.09088	0.139848	0.00245	0.326585	4.55E-13
9.19E-50	0.705439	1.60E-71	0.105404	0.02272	0.133606	0.00382	0.196816	1.84E-05
1.56E-35	0.679658	1.42E-64	0.061746	0.18285	0.152512	0.00095	0.13993	0.00244
1.68E-63	0.774757	1.24E-94	0.072298	0.11871	0.118889	0.01013	0.239325	1.66E-07
4.25E-14	0.411135	1.79E-20	-0.01065	0.81838	0.099209	0.03208	0.147239	0.00142
2.41E-06	0.33708	7.15E-14	0.089353	0.05365	0.064642	0.16312	0.142199	0.00207
7.40E-07	0.370553	1.20E-16	0.004815	0.91735	0.116118	0.01204	-0.08708	0.06008
8.11E-27	0.567219	4.10E-41	0.111999	0.01546	0.111916	0.01554	0.168478	0.00025
1.04E-15	0.401178	1.74E-19	0.050841	0.27288	-0.00743	0.87282	-0.0639	0.16803
2.03E-41	0.604783	6.43E-48	0.081144	0.07982	0.168559	0.00025	0.070951	0.12575
9.97E-15	0.536516	3.62E-36	0.049994	0.28097	0.142829	0.00197	-0.0024	0.95869
3.05E-23	0.494064	4.12E-30	0.052341	0.25897	0.1781	0.00011	0.273978	1.74E-09
5.20E-32	-0.51324	9.66E-33	-0.10282	0.02629	-0.03545	0.44473	-0.23086	4.56E-07
7.30E-06	0.317951	1.98E-12	0.028522	0.53866	0.133784	0.00377	-0.07833	0.09087
3.70E-36	0.583058	7.10E-44	-0.02076	0.65451	0.12049	0.00915	0.227375	6.85E-07
8.74E-14	0.389304	2.38E-18	0.044155	0.34104	0.095954	0.03819	0.195249	2.15E-05
7.24E-43	0.622802	1.63E-51	0.026321	0.57046	0.089745	0.05261	0.1868	4.87E-05
9.72E-14	0.504601	1.55E-31	0.034363	0.45881	0.196453	1.91E-05	0.152543	0.00094
2.37E-40	0.607148	2.24E-48	0.062724	0.176	0.091161	0.04897	0.367803	2.09E-16
9.86E-15	0.440959	1.22E-23	0.096526	0.03705	0.107229	0.02046	0.15209	0.00098
1.52E-50	0.711839	2.29E-73	0.083801	0.07041	0.135316	0.00339	0.215207	2.69E-06
7.13E-14	0.360173	9.46E-16	0.026839	0.5629	0.043475	0.34853	0.078361	0.09075
1.12E-29	0.563189	1.96E-40	0.055711	0.22951	0.192329	2.86E-05	0.13667	0.00308
1.24E-17	0.431161	1.45E-22	0.132148	0.00423	0.197871	1.65E-05	0.07591	0.10134
5.62E-12	0.369959	1.35E-16	0.024346	0.59974	0.112445	0.01505	-0.03183	0.49256
9.60E-48	0.660238	8.61E-60	0.02063	0.65656	0.122103	0.00825	0.320617	1.26E-12
3.76E-08	0.323857	7.28E-13	-0.0468	0.31283	0.089578	0.05305	0.187638	4.50E-05

1.26E-06	0.400056	2.24E-19	0.079903	0.08455	0.141323	0.0022	-0.00756	0.8705
5.10E-10	0.386804	4.08E-18	0.104086	0.02449	0.140968	0.00226	0.042086	0.36417
6.68E-42	0.612493	1.98E-49	-0.01068	0.81803	0.033928	0.46451	0.201183	1.18E-05
1.20E-15	0.361655	7.07E-16	-0.0646	0.1634	-0.00686	0.88248	0.079213	0.08728
3.71E-22	0.616035	3.89E-50	0.127136	0.00594	0.186861	4.84E-05	0.03275	0.48018
9.33E-35	0.656653	6.01E-59	0.048932	0.29132	0.151124	0.00105	0.123024	0.00778
3.11E-21	0.49568	2.51E-30	0.007595	0.86997	0.099747	0.03115	0.062241	0.17936
3.82E-17	-0.30363	2.04E-11	-0.02788	0.5479	-0.00101	0.98263	-0.14652	0.0015
3.30E-35	0.624335	7.84E-52	0.0689	0.13709	0.134511	0.00359	0.244608	8.63E-08
2.05E-20	0.490423	1.25E-29	0.044045	0.34224	0.142512	0.00202	0.139912	0.00244
1.38E-17	0.364023	4.44E-16	0.000508	0.99127	0.02922	0.52877	-0.01146	0.80495
1.01E-18	0.52135	6.62E-34	0.103061	0.02594	0.116041	0.01209	0.06884	0.13743
7.97E-09	0.333496	1.36E-13	0.154548	0.00081	0.204222	8.65E-06	0.134794	0.00352
6.29E-24	0.548881	4.25E-38	0.070202	0.1298	0.185331	5.60E-05	0.141294	0.00221
4.23E-50	0.722617	1.37E-76	0.128183	0.00554	0.15825	0.0006	0.434939	5.64E-23
3.33E-20	0.501611	3.97E-31	0.114678	0.01315	0.033491	0.47029	0.276394	1.23E-09
7.35E-07	0.252564	3.14E-08	0.093583	0.04324	0.193572	2.53E-05	0.023804	0.60788
1.31E-20	0.496069	2.22E-30	0.078325	0.0909	0.026554	0.56705	0.069458	0.13393
6.78E-22	0.468396	7.66E-27	0.015393	0.74006	0.137171	0.00297	0.308153	9.91E-12
2.36E-31	0.613748	1.12E-49	0.027747	0.54975	0.157818	0.00062	0.149209	0.00122
4.12E-26	0.694783	1.46E-68	0.134932	0.00348	0.23723	2.14E-07	0.2428	1.08E-07
1.94E-31	0.562498	2.55E-40	0.048083	0.29979	0.109165	0.01828	0.231718	4.12E-07
4.57E-13	0.363398	5.02E-16	0.070972	0.12564	0.195896	2.01E-05	0.112788	0.01474
9.10E-20	0.48997	1.43E-29	-0.06343	0.17115	0.132431	0.00415	0.018507	0.68997
1.82E-14	0.382612	9.94E-18	-0.02573	0.5791	0.113698	0.01396	-0.00934	0.8404
1.00E-16	0.356547	1.91E-15	0.06168	0.18332	0.087438	0.05901	0.318219	1.89E-12
4.33E-14	-0.24364	9.74E-08	-0.04155	0.37028	0.026851	0.56272	-0.10057	0.02977
2.07E-31	-0.51027	2.53E-32	-0.07444	0.10813	-0.06069	0.19044	-0.18292	7.01E-05
9.52E-18	0.571862	6.58E-42	0.044872	0.33325	0.170678	0.00021	0.076329	0.09946
1.22E-15	0.470906	3.77E-27	0.034469	0.45742	0.169922	0.00023	0.085682	0.06431
1.95E-05	0.232217	3.89E-07	-0.07255	0.11742	0.045658	0.32484	0.078027	0.09214
2.35E-17	0.426054	5.11E-22	0.015392	0.74008	0.155541	0.00074	0.134855	0.0035
2.97E-13	0.373903	6.08E-17	0.005377	0.90773	0.064577	0.16355	0.000887	0.98474
4.02E-36	0.674161	3.50E-63	0.04296	0.35428	0.095954	0.03819	0.093236	0.04403
6.46E-16	-0.25389	2.65E-08	-0.06722	0.14696	-0.05996	0.19584	-0.12134	0.00867
3.70E-10	0.279686	7.70E-10	0.12388	0.00736	0.067665	0.14429	0.176365	0.00013
6.11E-13	0.428908	2.54E-22	-0.0134	0.77273	0.001938	0.96668	0.002814	0.95164
4.55E-74	0.852379	#####	0.071618	0.12222	0.147498	0.00139	0.255389	2.18E-08
3.60E-07	0.246435	6.87E-08	0.030111	0.51627	0.027766	0.54949	0.158413	0.00059
1.28E-14	-0.31084	6.41E-12	0.003559	0.93886	-0.05882	0.20453	-0.10555	0.02254
8.55E-51	0.616903	2.60E-50	0.046784	0.31305	0.131442	0.00444	0.17601	0.00013
7.27E-14	0.447984	1.97E-24	0.071265	0.12408	0.050933	0.27202	0.025085	0.5887
3.65E-09	0.321688	1.05E-12	0.041823	0.36718	0.062672	0.17636	-0.11323	0.01435
1.27E-11	0.519522	1.22E-33	0.063652	0.16968	0.238203	1.90E-07	0.053328	0.25008
1.54E-28	0.6178	1.71E-50	0.191804	3.01E-05	0.215594	2.58E-06	0.401429	1.65E-19

6.01E-24	0.522717	4.18E-34	0.147796	0.00136	0.178027	0.00011	0.200424	1.28E-05
5.47E-20	0.543907	2.60E-37	0.034347	0.45902	0.098593	0.03316	0.358415	1.33E-15
1.18E-10	0.183465	6.66E-05	0.035466	0.44451	-0.03693	0.42588	-0.03424	0.46046
2.66E-13	0.506389	8.77E-32	0.079424	0.08644	0.210851	4.31E-06	0.026284	0.571
1.95E-14	0.392983	1.07E-18	0.141403	0.00219	0.108366	0.01916	0.28855	2.09E-10
1.50E-11	0.4598	8.30E-26	0.092317	0.04616	0.161836	0.00045	0.187079	4.74E-05
3.81E-20	0.534328	7.81E-36	0.086166	0.06281	0.066911	0.14882	0.242655	1.10E-07
6.22E-44	0.651943	7.41E-58	0.062597	0.17688	0.119184	0.00994	0.306928	1.21E-11
2.21E-14	0.49057	1.19E-29	0.18242	7.34E-05	0.169907	0.00023	0.323546	7.68E-13
3.15E-16	0.394496	7.70E-19	0.00942	0.83912	0.090578	0.05044	0.148119	0.00133
1.42E-19	0.380416	1.58E-17	0.075965	0.10109	0.069396	0.13428	0.116891	0.01147
2.66E-17	0.417204	4.30E-21	0.048677	0.29385	0.106891	0.02087	0.190842	3.31E-05
3.56E-15	0.491644	8.60E-30	0.143719	0.00185	0.16751	0.00028	0.158632	0.00058
5.67E-08	0.36196	6.66E-16	0.041878	0.36655	0.080969	0.08047	0.108714	0.01877
1.14E-19	0.506595	8.22E-32	0.115688	0.01236	0.140555	0.00233	0.132709	0.00407
1.81E-37	0.529962	3.55E-35	0.086107	0.06299	0.014489	0.75482	0.206939	6.52E-06
1.22E-06	0.214107	3.03E-06	-0.07923	0.08723	0.029396	0.52628	0.155686	0.00074
5.03E-19	0.407321	4.32E-20	0.07968	0.08543	-0.00318	0.94543	0.001187	0.9796
0.01573	0.181381	8.08E-05	0.046708	0.31383	0.106048	0.0219	0.246677	6.66E-08
4.97E-13	0.428389	2.88E-22	0.033665	0.46798	0.079435	0.0864	0.062003	0.18103
9.32E-09	0.292661	1.12E-10	0.100478	0.02993	0.085269	0.06561	0.125049	0.00682
2.49E-20	-0.33355	1.34E-13	-0.00492	0.91561	-0.03136	0.49896	-0.2405	1.43E-07
1.45E-21	0.538552	1.76E-36	0.114801	0.01305	0.151512	0.00102	0.385146	5.81E-18
0.03638	-0.0921	0.04669	0.066164	0.15342	-0.00403	0.93076	-0.04326	0.35092
6.58E-24	0.640674	2.53E-55	0.162497	0.00042	0.085396	0.06521	0.038546	0.40594
3.30E-12	0.416196	5.47E-21	0.061634	0.18364	0.036986	0.42522	-0.08085	0.08092
3.37E-15	0.542341	4.56E-37	0.100988	0.0291	0.116273	0.01192	-0.11155	0.01588
1.61E-21	0.445596	3.68E-24	-0.07444	0.10813	0.075384	0.10374	0.106812	0.02096
1.27E-29	0.509908	2.84E-32	0.019363	0.67641	0.09965	0.03132	0.14688	0.00146
5.18E-10	0.309955	7.40E-12	-0.03193	0.49123	0.061942	0.18146	0.181918	7.69E-05
4.44E-19	0.50987	2.88E-32	0.071194	0.12446	0.028986	0.53208	0.0365	0.43133
4.37E-37	0.64235	1.08E-55	0.092981	0.04461	0.126214	0.00631	0.104601	0.02379
8.42E-49	0.742427	6.30E-83	0.058204	0.2093	0.128354	0.00547	0.111178	0.01623
3.70E-61	0.777295	1.24E-95	0.04362	0.34693	0.076522	0.09861	0.241118	1.33E-07
0.46793	0.112543	0.01496	0.001856	0.9681	0.122874	0.00785	-0.04119	0.37447
0.13283	0.099401	0.03174	0.094078	0.04214	0.055124	0.23446	0.283006	4.75E-10
0.72751	-0.01773	0.70239	0.032969	0.47724	0.02306	0.61915	0.063893	0.16807
0.10907	-0.03724	0.42204	0.027097	0.55914	0.074749	0.10668	0.139907	0.00244
0.00018	-0.07538	0.10375	0.034235	0.46048	0.031201	0.50119	-0.07732	0.09513
0.91468	-0.10356	0.02523	0.002974	0.94889	0.012271	0.79142	-0.07157	0.12248
0.19815	-0.05467	0.23833	-0.0078	0.86651	-0.01266	0.78491	0.03866	0.40455
0.00353	0.03005	0.51712	-0.05255	0.25705	-0.02593	0.57618	0.032595	0.48226
7.83E-05	-0.24872	5.14E-08	-0.04654	0.31558	-0.02144	0.64394	0.058082	0.21026
0.49282	-0.00551	0.90545	0.017067	0.71297	-0.03165	0.49506	0.074958	0.10571
0.08038	0.09675	0.03661	-0.01199	0.79616	-0.04805	0.30008	-0.06823	0.14094

0.09275	0.082734	0.07407	0.025848	0.5774	-0.01714	0.71186	0.155908	0.00072
0.00806	-0.23182	4.07E-07	-0.0955	0.03911	-0.09151	0.0481	-0.03447	0.45747
0.00165	-0.22221	1.24E-06	-0.04545	0.32709	-0.0241	0.60339	0.082279	0.07568
0.41264	-0.00789	0.86504	-0.07578	0.10192	-0.08503	0.06638	-0.00209	0.96399
6.42E-06	-0.15311	0.0009	-0.04672	0.31373	-0.07169	0.12183	0.035629	0.44241
0.57355	-0.07527	0.10426	-0.06844	0.13973	-0.01112	0.81066	0.079401	0.08653
0.00085	0.055512	0.23118	0.002009	0.96546	-0.02801	0.54593	0.11541	0.01257
0.00011	-0.15479	0.00079	-0.0376	0.41751	-0.02295	0.6208	0.009122	0.84414
0.71655	0.014011	0.76267	0.091407	0.04836	0.028777	0.53503	0.025857	0.57727
0.25041	-0.05738	0.21587	0.042285	0.36191	0.079842	0.08479	0.112774	0.01476
0.13454	-0.1452	0.00166	0.000379	0.99349	-0.00363	0.93759	0.087122	0.05994
0.00341	-0.07129	0.12393	0.147394	0.0014	0.011414	0.80568	-0.00099	0.98302
0.29872	0.049058	0.29008	0.11767	0.01093	-0.08815	0.05696	0.032379	0.48517
0.27699	-0.0751	0.10505	-0.05113	0.27014	-0.02848	0.53931	0.076259	0.09978
0.00869	-0.27514	1.48E-09	0.002393	0.95887	-0.08288	0.07358	-0.04325	0.351
0.22538	-0.11428	0.01347	-0.08496	0.0666	-0.01439	0.75648	-0.0298	0.52067
0.97223	-0.06283	0.17525	-0.0059	0.89884	-0.01729	0.70947	0.153823	0.00085
0.00701	-0.13926	0.00256	-0.07167	0.12196	-0.11052	0.01688	-0.06671	0.15003
0.18497	-0.14569	0.00159	-0.00909	0.84473	-0.01572	0.73471	0.094224	0.04182
0.91653	-0.06631	0.1525	0.00748	0.87193	0.069973	0.13106	-0.0057	0.90223
0.84121	-0.04032	0.38469	-0.05263	0.25634	-0.11732	0.01117	-0.0025	0.95699
0.04309	-0.09219	0.04647	0.011617	0.8023	-0.02073	0.65497	0.090341	0.05105
0.0212	0.204216	8.66E-06	-0.05676	0.22088	0.087229	0.05962	0.056347	0.22423
0.00015	0.040332	0.38452	-0.02881	0.53452	-0.05679	0.22057	0.037787	0.41526
0.00068	-0.24763	5.90E-08	-0.16595	0.00032	-0.17567	0.00014	0.00195	0.96648
0.59387	-0.08303	0.07304	-0.09786	0.03451	-0.10709	0.02063	0.066382	0.15207
0.20955	-0.04764	0.3043	-0.03949	0.39454	-0.07164	0.12209	0.102865	0.02622
8.77E-05	-0.26586	5.37E-09	-0.06553	0.15739	-0.06968	0.13268	-0.00014	0.99767
2.05E-06	0.200687	1.24E-05	-0.0231	0.61856	0.014672	0.75183	0.181393	8.07E-05
0.16802	-0.14775	0.00137	-0.0451	0.3308	-0.03775	0.41577	0.040741	0.37971
2.47E-05	-0.19105	3.24E-05	-0.04652	0.31581	-0.13065	0.00468	-0.08402	0.06969
0.55524	-0.06988	0.13155	-0.07681	0.09735	-0.03251	0.48338	0.030989	0.5041
0.65889	-0.03877	0.4032	0.075819	0.10175	-0.00895	0.84709	0.103773	0.02492
1.21E-06	-0.23365	3.28E-07	-0.05492	0.23623	-0.09195	0.04704	-0.05143	0.26732
2.42E-05	-0.10609	0.02185	-0.03503	0.45012	-0.03935	0.39617	0.019961	0.66701
0.46555	0.006076	0.89582	0.071554	0.12256	-0.04307	0.35307	-0.09398	0.04235
0.05646	-0.01098	0.81291	-0.08107	0.08011	-0.06532	0.15874	0.00937	0.83995
0.00908	-0.19448	2.32E-05	0.063856	0.16831	-0.0703	0.12929	0.018051	0.69723
0.80895	-0.10493	0.02335	0.173606	0.00016	-0.05531	0.23289	0.064715	0.16265
0.16407	0.044941	0.33251	-0.10133	0.02855	-0.0533	0.25029	0.184282	6.17E-05
0.00098	-0.16015	0.00051	-0.10457	0.02383	-0.06814	0.14151	0.050372	0.27734
0.01241	0.114894	0.01297	0.056341	0.22427	0.024271	0.60086	0.217767	2.03E-06
0.15263	0.070752	0.12681	0.125212	0.00674	-0.02871	0.53593	0.179306	9.78E-05
0.00094	-0.18578	5.36E-05	-0.05714	0.21776	-0.01012	0.82738	-0.02739	0.55496
0.22002	-0.13606	0.00322	-0.08309	0.07283	-0.05106	0.2708	0.058846	0.20431

0.87987	-0.03433	0.45919	-0.00125	0.97843	-0.01415	0.76035	0.207623	6.06E-06
0.00026	-0.27532	1.44E-09	-0.0399	0.38962	-0.0744	0.10834	0.044687	0.33526
3.79E-10	-0.30174	2.76E-11	0.112674	0.01484	-0.02096	0.65143	0.034097	0.46229
2.48E-05	-0.21558	2.58E-06	-0.0977	0.0348	-0.06304	0.17386	0.085641	0.06443
1.79E-08	0.41165	1.59E-20	0.06158	0.18403	0.12521	0.00674	0.151215	0.00105
0.01574	-0.2789	8.62E-10	-0.09227	0.04628	-0.08469	0.06748	-0.01278	0.78294
0.22867	-0.09994	0.03082	-0.07108	0.12506	-0.0529	0.25389	0.066207	0.15316
1.12E-05	0.174755	0.00015	-0.01946	0.67481	0.017133	0.71191	0.111197	0.01622
9.42E-06	0.276148	1.28E-09	-0.01444	0.75569	0.0452	0.32973	0.138852	0.00264
0.03692	0.006509	0.88844	0.037739	0.41584	0.067392	0.14592	0.028376	0.54074
2.17E-10	-0.40801	3.68E-20	-0.04086	0.37837	-0.08786	0.05781	0.01032	0.82399
0.0884	-0.09734	0.03547	-0.06257	0.17703	-0.00259	0.95543	-0.01833	0.69276
0.15679	-0.15247	0.00095	-0.04011	0.38716	-0.03676	0.42805	0.038101	0.41139
0.19366	-0.05536	0.23246	0.004789	0.9178	-0.02755	0.55263	0.127117	0.00594
0.69583	-0.06853	0.13923	0.007297	0.87503	-0.00862	0.8526	0.179171	9.90E-05
0.62136	-0.05165	0.26529	0.038367	0.40813	0.005734	0.90164	0.009845	0.83196
0.00126	-0.15955	0.00054	-0.04205	0.36461	-0.02722	0.55733	0.043132	0.35235
0.01975	-0.09186	0.04725	-0.00287	0.95074	0.022336	0.6302	0.07687	0.09708
0.00065	0.131725	0.00435	-0.02557	0.58151	0.096703	0.0367	-0.05061	0.27508
0.20444	-0.13648	0.00312	-0.01348	0.77135	-0.02883	0.53428	0.083768	0.07052
0.00044	0.008183	0.86001	0.039342	0.39631	-0.00436	0.92509	0.072255	0.11892
0.45265	-0.02876	0.53532	0.062006	0.18101	0.017218	0.71056	0.087551	0.05868
0.01022	-0.18014	9.06E-05	-0.04313	0.35233	-0.115	0.01289	-0.02878	0.53493
0.00043	-0.17162	0.00019	-0.00048	0.99181	-0.01138	0.80623	-0.01087	0.81475
7.67E-08	0.141464	0.00218	0.111569	0.01586	-0.06998	0.13101	0.143303	0.00191
0.23373	-0.14582	0.00158	-0.11375	0.01391	-0.1074	0.02026	0.047067	0.31012
0.00229	0.135429	0.00336	0.249327	4.76E-08	0.04424	0.34012	-0.04168	0.36885
0.02632	0.213795	3.13E-06	0.248243	5.46E-08	0.118412	0.01044	0.161771	0.00045
0.84454	-0.07888	0.08862	0.018142	0.69577	-0.07154	0.12263	0.217618	2.06E-06
0.04827	-0.00641	0.89019	-0.06512	0.16003	-0.00193	0.96674	-0.11788	0.01079
2.21E-22	0.444952	4.35E-24	0.065143	0.15988	0.084232	0.06897	0.237593	2.04E-07
0.02488	0.153188	0.0009	0.01083	0.81544	0.049677	0.28403	0.226135	7.90E-07
0.93898	-0.07658	0.09837	-0.08277	0.07396	-0.05406	0.24365	0.126899	0.00603
0.6874	-0.02747	0.55377	-0.04479	0.33417	-0.04563	0.32515	0.035043	0.44996
0.83507	-0.08654	0.06167	-0.0355	0.4441	-0.06987	0.13161	-0.04606	0.32064
2.68E-08	-0.2607	1.08E-08	-0.04861	0.29449	-0.02045	0.65929	-0.04527	0.32902
0.05304	-0.21928	1.72E-06	-0.1058	0.02222	-0.11455	0.01325	0.032057	0.48952
0.05506	-0.08272	0.0741	0.148531	0.00129	0.00161	0.97232	-0.0265	0.5678
0.09893	0.086356	0.06223	0.090083	0.05172	-0.01745	0.70675	0.2723	2.20E-09
0.43651	-0.10113	0.02888	0.163968	0.00037	-0.02992	0.51894	-0.02037	0.66058
0.06493	0.0471	0.30978	0.054671	0.23833	0.030697	0.50813	0.010899	0.81429
0.94737	-6.34E-05	0.99891	0.012335	0.79035	0.034765	0.45356	0.084955	0.06661
4.55E-07	0.209107	5.18E-06	0.020777	0.65426	-0.04881	0.29253	-0.02685	0.5628
0.23251	0.026666	0.56542	-0.03946	0.39489	0.076067	0.10063	0.02477	0.59339
0.10156	0.061912	0.18167	0.148571	0.00128	-0.01274	0.78365	0.145937	0.00157



0.00763	-0.1041	0.02446	-0.0927	0.04526	0.054586	0.23906	-0.06767	0.14427
0.25814	0.023779	0.60826	0.062957	0.17439	0.065037	0.16056	0.194358	2.34E-05
6.13E-05	-0.28107	6.30E-10	-0.05466	0.2384	-0.03063	0.50906	0.050951	0.27184
0.04043	-0.1471	0.00143	-0.06266	0.17643	-0.07437	0.1085	0.112935	0.01461
0.01409	-0.10653	0.02131	-0.06345	0.17104	-0.00111	0.98098	0.093632	0.04313
7.58E-12	-0.2922	1.21E-10	-0.09256	0.04559	-0.0512	0.26954	0.00295	0.9493
1.72E-17	-0.43637	3.93E-23	-0.11535	0.01262	-0.10527	0.0229	-0.01293	0.78057
0.0007	-0.26638	5.01E-09	-0.0703	0.12929	-0.05444	0.24033	0.053642	0.2473
0.3363	0.035687	0.44166	0.148447	0.00129	0.066257	0.15285	0.041538	0.37045
0.00889	0.142976	0.00195	0.010819	0.81562	0.010335	0.82374	0.183442	6.68E-05
2.05E-05	0.266074	5.22E-09	-0.0816	0.07815	0.04005	0.38785	-0.03303	0.47644
7.42E-07	0.168708	0.00025	-0.03423	0.46054	0.037611	0.41743	0.042546	0.35894
0.53647	0.050055	0.28037	-0.06066	0.1907	0.034005	0.4635	-0.00715	0.87748
0.14703	-0.10362	0.02513	-0.0142	0.7596	-0.07429	0.10888	0.051195	0.26956
0.51425	0.127832	0.00567	0.026857	0.56263	0.046669	0.31423	0.050529	0.27584
0.07108	0.087119	0.05995	0.054053	0.24369	0.028569	0.53799	0.169052	0.00024
0.00267	-0.16973	0.00023	-0.02424	0.60132	0.002584	0.95559	0.044693	0.33519
0.87291	0.108028	0.01954	0.186576	4.97E-05	0.144376	0.00176	0.015191	0.74334
0.0224	0.043077	0.35297	0.007741	0.86749	0.023611	0.61079	0.254468	2.46E-08
0.03384	0.116115	0.01204	-0.03301	0.47671	-0.03603	0.43734	-0.09079	0.04991
0.07011	-0.03411	0.46208	-0.08215	0.07613	-0.06365	0.1697	0.130458	0.00475
0.01438	0.254235	2.53E-08	0.065113	0.16007	0.049255	0.28814	0.163334	0.00039
0.57856	-0.04713	0.30949	0.004289	0.92636	-0.01229	0.7911	0.08186	0.07719
0.53054	-0.08618	0.06277	-0.0613	0.18604	-0.05189	0.26309	-0.05904	0.20285
0.68642	0.020505	0.6585	0.180818	8.51E-05	0.140253	0.00238	0.089321	0.05374
0.3576	0.03344	0.47096	0.063701	0.16935	0.02964	0.52286	0.173776	0.00016
0.02055	-0.18099	8.38E-05	-0.02688	0.56236	-0.01752	0.70569	0.087793	0.05799
0.02359	-0.06531	0.15878	-0.12316	0.00771	-0.02445	0.59812	0.040757	0.37953
0.23591	-0.04741	0.30658	-0.03916	0.39848	-0.05421	0.24233	0.135242	0.00341
0.47328	-0.00084	0.98562	0.041065	0.37593	-0.09603	0.03804	-0.03067	0.50848
0.19916	0.020553	0.65776	-0.05701	0.21883	-0.01858	0.68882	0.030465	0.51135
0.04778	0.066704	0.15009	-0.04898	0.29089	0.087426	0.05905	-0.0088	0.84956
0.62758	-0.1031	0.02589	-0.00371	0.93627	0.000983	0.9831	0.01414	0.76055
0.98136	-0.04749	0.30581	0.013374	0.77316	0.025346	0.58483	0.108875	0.0186
3.17E-07	0.320041	1.39E-12	0.054118	0.24312	0.150672	0.00109	0.159806	0.00053
0.01533	0.07118	0.12453	0.063709	0.16929	-0.02553	0.5821	0.264439	6.52E-09
3.31E-09	0.358334	1.35E-15	0.023598	0.611	0.080533	0.08212	0.108288	0.01925
0.62072	0.070061	0.13057	0.030332	0.51319	-0.00777	0.86699	0.122074	0.00827
2.55E-08	0.107291	0.02039	0.06472	0.16262	-0.0807	0.0815	0.191028	3.25E-05
0.00048	-0.19439	2.34E-05	-0.11001	0.0174	-0.05984	0.19676	-0.09612	0.03786
0.56491	-0.04781	0.30249	-0.10121	0.02875	-0.07558	0.10285	-0.0066	0.88697
2.61E-05	-0.12867	0.00536	0.076791	0.09742	-0.05186	0.26335	-0.12896	0.00525
0.20999	-0.14756	0.00139	-0.04179	0.36761	-0.02977	0.521	0.100834	0.02935
0.25692	-0.17251	0.00018	-0.11206	0.0154	-0.09309	0.04436	0.047837	0.30227
3.92E-05	0.142116	0.00208	-0.07966	0.08552	-0.04415	0.34105	0.109886	0.01753

0.00056	-0.22768	6.61E-07	-0.05206	0.26157	-0.03244	0.48441	0.046769	0.3132
0.00559	-0.18021	9.00E-05	-0.03093	0.50489	-0.05444	0.2403	0.065449	0.15792
0.00374	-0.17618	0.00013	0.194022	2.42E-05	0.028365	0.5409	0.072486	0.11775
0.0346	-0.13677	0.00306	-0.06349	0.17076	-0.08103	0.08025	-0.01284	0.782
0.46988	-0.04789	0.30169	-0.06047	0.19207	-0.02694	0.56138	-0.03142	0.49814
2.64E-06	-0.26781	4.11E-09	-0.04107	0.37591	-0.04592	0.32209	0.045616	0.32529
0.60813	-0.06608	0.15394	-0.05948	0.19946	0.084264	0.06886	-0.03652	0.43108
0.0364	0.000117	0.99799	0.07814	0.09167	0.021521	0.64274	-0.05246	0.25789
0.0005	0.195198	2.16E-05	0.083179	0.07253	0.01298	0.77966	0.230135	4.97E-07
0.82319	-0.03643	0.43217	0.042842	0.35561	0.018794	0.68541	0.150124	0.00114
0.95992	-0.07692	0.09687	0.064585	0.1635	0.064187	0.16611	0.138641	0.00268
0.00277	-0.22504	8.96E-07	-0.04691	0.31177	-0.03128	0.50004	0.046217	0.31895
0.27815	0.081677	0.07786	-0.02351	0.61225	-0.09833	0.03364	-0.02269	0.62477
0.42428	-0.07209	0.11977	-0.12361	0.00749	0.00065	0.98882	0.166212	0.00031
0.11213	-0.17202	0.00019	-0.03817	0.41054	-0.04188	0.36658	0.026327	0.57037
0.00104	-0.25276	3.07E-08	-0.06763	0.14447	-0.04316	0.35202	0.0405	0.38254
2.61E-10	-0.31605	2.72E-12	-0.04612	0.31996	-0.03983	0.39048	0.05394	0.24468
0.44868	-0.07062	0.12751	-0.01383	0.76571	-0.0297	0.52201	0.053907	0.24497
0.6873	0.092549	0.04562	0.110017	0.01739	0.076214	0.09998	-0.0596	0.19854
0.00151	-0.20696	6.50E-06	-0.02851	0.53886	-0.04267	0.35752	0.007851	0.86562
0.93049	0.069473	0.13385	0.134302	0.00364	-0.01584	0.73276	0.046742	0.31348
0.00017	-0.24613	7.13E-08	-0.06404	0.16706	-0.03776	0.41561	-0.01456	0.75371
0.13936	0.098951	0.03253	-0.05104	0.27104	-0.05926	0.20114	0.020195	0.66334
0.25954	-0.08388	0.07016	0.013437	0.77211	-0.03306	0.47602	0.133856	0.00376
0.08121	-0.03521	0.44775	-0.04192	0.36605	0.023752	0.60867	0.077372	0.09491
9.36E-05	-0.23361	3.30E-07	-0.02583	0.5777	-0.02149	0.64328	0.064829	0.16191
0.16493	0.092663	0.04535	0.006935	0.88118	0.03261	0.48206	-0.09695	0.03621
0.94141	0.010194	0.8261	0.011307	0.80747	0.019067	0.68109	-0.00752	0.87132
0.06903	-0.14597	0.00156	0.097079	0.03597	-0.03825	0.40955	0.056233	0.22516
0.13378	-0.11325	0.01434	-0.05169	0.26496	-0.02668	0.5652	0.085097	0.06616
0.00101	-0.12759	0.00576	0.033231	0.47375	-0.00049	0.99161	0.100079	0.03059
0.5857	-0.08983	0.05239	-0.01074	0.8169	-0.00443	0.92402	0.055004	0.23548
1.31E-10	-0.28953	1.80E-10	-0.05863	0.20595	-0.06843	0.13982	-0.08715	0.05984
0.75996	-0.02663	0.56601	-0.13844	0.00272	-0.01178	0.79963	0.112626	0.01489
0.44703	-0.03368	0.46779	-0.00478	0.91801	-0.01421	0.75934	0.106298	0.02159
2.76E-08	0.191537	3.09E-05	0.002851	0.951	-0.00145	0.97512	0.163771	0.00038
0.34629	-0.02062	0.65667	-0.04303	0.35354	-0.00062	0.98931	0.117886	0.01078
0.00397	-0.17911	9.95E-05	-0.06813	0.14155	-0.04204	0.36475	0.060219	0.19393
0.24596	-0.08169	0.07781	0.044792	0.33412	0.028638	0.53701	0.111741	0.0157
0.12461	-0.08654	0.06168	0.002344	0.95971	-0.01472	0.75097	0.040853	0.3784
0.35411	-0.08764	0.05844	-0.05504	0.23519	-0.03591	0.43877	0.060256	0.19366
0.00098	0.13131	0.00448	0.020349	0.66094	0.043365	0.34976	0.288421	2.13E-10
0.13958	0.055923	0.22774	0.059575	0.19875	0.067724	0.14394	0.205643	7.46E-06
0.84835	0.030877	0.50565	0.060372	0.1928	-0.07937	0.08665	0.007039	0.87941
0.37965	0.023311	0.61533	0.024931	0.591	0.045354	0.32808	0.0659	0.15507

0.77853	-0.10845	0.01906	-0.12127	0.00871	-0.02663	0.56587	0.08862	0.05566
6.45E-05	0.109854	0.01756	-0.05968	0.19795	-0.08549	0.0649	-0.00873	0.85081
0.5061	-0.04474	0.3347	-0.03068	0.5083	-0.02755	0.55253	0.095379	0.03937
0.05709	-0.15495	0.00078	-0.02893	0.5328	-0.027	0.56053	0.044816	0.33386
1.79E-08	0.141322	0.0022	0.081191	0.07965	-0.00196	0.96636	0.265331	5.77E-09
0.00336	0.128363	0.00547	0.049532	0.28544	-0.02799	0.54624	-0.08612	0.06296
2.93E-05	-0.29712	5.67E-11	-0.14407	0.0018	-0.06637	0.15212	0.036888	0.42645
0.0005	-0.19986	1.35E-05	-0.03677	0.42797	-0.04142	0.37179	0.052675	0.25594
0.75576	-0.01091	0.81406	-0.01016	0.82666	-0.01675	0.71813	-0.00404	0.93067
0.00166	-0.19845	1.56E-05	-0.05559	0.23055	-0.03286	0.47865	0.015057	0.74553
2.83E-06	-0.27181	2.36E-09	-0.05173	0.26461	-0.02204	0.63479	0.004872	0.91638
0.00252	0.136837	0.00305	0.004759	0.91831	0.05008	0.28014	0.175186	0.00014
0.00599	-0.08569	0.06428	0.006005	0.89703	-0.00817	0.86019	0.071096	0.12498
1.51E-08	-0.33901	5.05E-14	-0.05296	0.25338	-0.08904	0.05449	-0.12284	0.00787
0.00109	0.162612	0.00042	0.060541	0.19156	0.093164	0.04419	0.174407	0.00015
0.0453	0.270567	2.81E-09	0.169759	0.00023	0.100944	0.02917	-0.00125	0.97851
0.00018	0.200519	1.27E-05	0.015379	0.74029	0.007213	0.87647	0.045552	0.32598
3.02E-06	0.075412	0.10361	0.074555	0.1076	-0.03247	0.48398	0.125365	0.00668
0.81564	-0.08307	0.0729	-0.07361	0.11216	-0.08406	0.06955	0.107636	0.01999
0.84129	-0.0763	0.09958	-0.03618	0.43544	-0.02896	0.53248	0.019747	0.67037
0.85588	-0.07582	0.10176	-0.02814	0.54413	-0.06096	0.18851	0.106117	0.02182
6.17E-08	-0.45626	2.17E-25	-0.17295	0.00017	-0.11461	0.0132	0.012391	0.78942
0.00241	0.177008	0.00012	0.050439	0.2767	0.049055	0.29011	0.13703	0.003
0.23528	-0.13423	0.00366	-0.07794	0.09249	-0.03573	0.44118	0.064463	0.16429
0.00154	-0.13548	0.00335	-0.08119	0.07967	-0.01692	0.71528	-0.12387	0.00736
0.19323	0.006849	0.88264	-0.0481	0.29962	0.002487	0.95726	0.102742	0.0264
0.43462	0.027739	0.54987	0.059655	0.19815	0.070486	0.12825	0.267625	4.22E-09
7.52E-05	-0.24739	6.08E-08	-0.04333	0.35012	-0.04209	0.36408	0.062369	0.17846
0.00062	-0.23093	4.52E-07	-0.00578	0.90083	-0.01711	0.71221	0.0309	0.50534
0.09151	-0.25717	1.72E-08	-0.15776	0.00062	-0.10221	0.02719	-0.04218	0.36306
0.00202	0.083458	0.07157	-0.07954	0.08598	0.012727	0.78385	0.098648	0.03306
0.14831	0.115739	0.01232	-0.01272	0.78396	0.094718	0.04076	0.135096	0.00344
0.00017	-0.22425	9.80E-07	-0.03282	0.47922	-0.02243	0.62883	0.0437	0.34604
0.45446	-0.02811	0.54458	-0.10093	0.0292	-0.00044	0.99238	0.103327	0.02556
0.00139	-0.2142	3.00E-06	-0.03611	0.43621	-0.05797	0.21113	0.054332	0.24126
0.01608	-0.0164	0.7237	-0.11552	0.01249	-0.08568	0.0643	0.07765	0.09373
0.05692	-0.11928	0.00988	-0.0205	0.65862	0.009019	0.84588	0.087351	0.05927
9.87E-25	0.505718	1.09E-31	0.039041	0.39993	0.103226	0.0257	0.25397	2.62E-08
0.05927	0.055929	0.22769	-0.09781	0.0346	-0.02684	0.56294	0.125427	0.00665
3.54E-06	0.210223	4.60E-06	-0.00906	0.84512	0.023825	0.60757	0.243232	1.02E-07
0.0034	-0.13967	0.00249	0.018418	0.69137	0.002969	0.94898	0.06361	0.16996
0.00153	-0.16169	0.00045	-0.01942	0.67558	-0.01531	0.74145	0.057391	0.21574
0.00412	-0.12268	0.00795	-0.07329	0.11374	-0.03288	0.47842	0.137688	0.00287
0.14585	-0.12969	0.005	-0.10084	0.02935	-0.06435	0.16504	0.0932	0.04411
0.00096	-0.19472	2.26E-05	-0.02685	0.56271	-0.02888	0.53364	0.051151	0.26996

0.13052	-0.16741	0.00028	-0.0843	0.06874	-0.08557	0.06467	0.016725	0.71849
0.06786	0.041655	0.36911	-0.02977	0.52109	-0.01078	0.81626	0.125085	0.0068
0.00059	0.058114	0.21	-0.0397	0.39197	-0.05291	0.25382	0.069312	0.13475
0.36541	0.053112	0.25201	0.094426	0.04139	0.016582	0.72079	0.181223	8.20E-05
3.23E-07	-0.22742	6.81E-07	0.003893	0.93314	-0.07107	0.1251	0.016393	0.72384
0.00222	0.089061	0.05444	-0.05056	0.27555	-0.07655	0.09849	0.003715	0.93619
0.00012	0.241678	1.24E-07	0.028165	0.54375	0.049949	0.28139	0.29444	8.57E-11
0.01317	-0.14257	0.00201	-0.03388	0.4651	-0.04886	0.292	0.006588	0.88708
0.03258	-0.15396	0.00084	-0.03079	0.50679	-0.00848	0.85496	0.099722	0.03119
0.00014	0.189916	3.62E-05	0.046727	0.31363	0.045288	0.32878	0.152872	0.00092
0.00078	-0.1704	0.00022	-0.09439	0.04146	-0.0396	0.39316	0.047161	0.30916
4.06E-06	-0.28182	5.65E-10	-0.0633	0.17207	-0.05954	0.19902	0.026719	0.56464
1.73E-08	-0.25504	2.28E-08	-0.02373	0.60903	-0.06474	0.16251	0.083634	0.07097
0.00091	-0.22751	6.74E-07	-0.01941	0.67563	-0.03035	0.51291	0.088141	0.05699
0.48526	0.008719	0.85094	-0.0247	0.59445	0.011091	0.81107	0.141932	0.00211
7.21E-05	0.212852	3.47E-06	0.084386	0.06846	0.043113	0.35257	0.119345	0.00984
0.04809	-0.10922	0.01823	-0.06109	0.18755	-0.04016	0.38654	-0.02873	0.53565
0.27824	-0.04721	0.30865	-0.06036	0.19285	-0.02755	0.55266	-0.09244	0.04587
0.00028	-0.25711	1.74E-08	-0.02512	0.58817	-0.02162	0.64127	0.07058	0.12774
0.4336	0.024044	0.60426	0.048014	0.30048	0.007155	0.87744	-0.02795	0.54688
0.07349	0.141419	0.00219	-0.00579	0.90077	0.001157	0.9801	0.080462	0.0824
0.00915	0.050298	0.27804	0.023916	0.60618	-0.1172	0.01126	0.10734	0.02033
0.62091	0.083519	0.07136	-0.01125	0.80837	-0.01458	0.75326	-0.05639	0.22383
0.00097	-0.26939	3.30E-09	-0.08211	0.07628	-0.0752	0.10457	-0.00058	0.99004
0.11674	-0.10261	0.0266	0.01994	0.66734	-0.0084	0.85639	0.054694	0.23813
0.10269	-0.10753	0.02011	0.011401	0.8059	-0.03543	0.44501	-0.05188	0.26316
0.13228	-0.12418	0.00721	-0.07751	0.09433	-0.08872	0.05539	0.093665	0.04306
0.19944	-0.03259	0.48236	-0.06506	0.16039	-0.03184	0.49242	0.121777	0.00843
1.34E-06	-0.31109	6.15E-12	-0.11213	0.01533	-0.08871	0.05541	0.012999	0.77934
0.03329	0.054663	0.2384	-0.0875	0.05883	-0.05201	0.26201	-0.03073	0.5077
0.0068	-0.25548	2.15E-08	-0.01359	0.7696	-0.05139	0.26774	0.043121	0.35248
0.81042	-0.12733	0.00586	-0.08096	0.08052	-0.02066	0.65609	0.093059	0.04443
0.00183	0.283752	4.26E-10	0.132215	0.00421	0.137436	0.00292	0.076708	0.09779
3.80E-06	-0.16925	0.00024	0.022773	0.62351	-0.01072	0.81728	0.130111	0.00486
0.06457	-0.16631	0.00031	-0.01708	0.71283	-0.02181	0.6383	0.048303	0.29757
0.0001	-0.26868	3.65E-09	-0.05986	0.19664	-0.04287	0.35531	0.035249	0.4473
0.00626	-0.12322	0.00768	-0.10255	0.02669	-0.05717	0.21751	-0.03342	0.47118
0.46078	0.060778	0.18982	0.026221	0.57193	-0.00497	0.91473	0.000857	0.98526
0.00015	-0.36236	6.16E-16	-0.04178	0.36772	-0.08602	0.06326	-0.06288	0.17489
0.00023	0.13422	0.00366	0.019548	0.6735	-0.00758	0.87023	-0.08616	0.06282
0.77845	-0.04498	0.33209	0.036767	0.42796	0.037173	0.42288	0.070804	0.12654
5.16E-07	0.130972	0.00458	-0.01384	0.76542	-0.09288	0.04483	0.235567	2.61E-07
3.99E-05	-0.19728	1.75E-05	-0.07005	0.13065	-0.01105	0.8117	-0.00339	0.9417
0.18898	-0.14999	0.00115	0.085032	0.06636	-0.04105	0.37615	0.016325	0.72494
0.12446	-0.08355	0.07125	0.065702	0.15632	0.035893	0.43903	0.003166	0.94559

0.00027	0.2517	3.51E-08	0.084721	0.06737	0.109066	0.01839	0.018394	0.69177
5.27E-17	0.464021	2.60E-26	0.141595	0.00216	0.17434	0.00015	0.062622	0.1767
2.13E-08	0.246702	6.64E-08	0.053361	0.24979	0.034537	0.45653	0.1094	0.01803
5.01E-16	0.343982	2.04E-14	0.045715	0.32424	0.09035	0.05103	0.197996	1.63E-05
0.14134	-0.01599	0.73034	-0.04348	0.34848	-0.0323	0.48618	-0.07153	0.1227
0.01804	0.029637	0.5229	-0.05622	0.2253	-0.07972	0.08527	0.164003	0.00037
0.8498	0.004163	0.9285	0.087512	0.0588	0.065789	0.15577	0.035618	0.44255
0.01213	0.063475	0.17087	-0.04425	0.33996	0.002305	0.96039	-0.03575	0.44092
0.57333	-0.04185	0.3669	-0.03481	0.453	-0.0257	0.57956	0.144791	0.00171
2.50E-09	0.199364	1.42E-05	-0.09181	0.04737	-0.00759	0.87007	-0.0318	0.49298
0.87415	-0.05149	0.26675	-0.03712	0.42355	-0.0006	0.98968	0.13928	0.00256
0.00772	-0.21339	3.28E-06	-0.09015	0.05155	-0.05859	0.20627	0.047069	0.3101
0.00432	-0.14183	0.00212	-0.02995	0.51849	-0.05086	0.27266	0.046667	0.31426
0.09731	-0.12573	0.00652	-0.01244	0.78855	-0.04268	0.35741	-0.03974	0.39158
0.41115	-0.09142	0.04833	-0.07278	0.11628	-0.01701	0.71394	0.029533	0.52435
0.00057	0.199007	1.47E-05	0.055882	0.22808	0.038516	0.40631	0.36354	4.88E-16
0.02099	-0.15544	0.00075	-0.04843	0.29627	-0.04031	0.38473	0.056344	0.22425
0.65974	-0.0763	0.09958	-0.01231	0.79073	-0.04376	0.34536	-0.01632	0.72506
0.21893	-0.08269	0.07422	-0.00042	0.99278	-0.0102	0.82595	0.124101	0.00725
0.07126	0.088892	0.05491	-0.02373	0.60901	-0.03655	0.43066	0.157188	0.00065
0.1575	0.052462	0.25787	0.002718	0.95328	0.030794	0.5068	0.146129	0.00154
0.00219	-0.23853	1.83E-07	0.001076	0.9815	-0.03012	0.51618	0.104507	0.02391
0.00011	-0.24512	8.09E-08	-0.03861	0.40511	-0.0168	0.71725	0.053534	0.24825
0.39473	0.085992	0.06335	-0.13449	0.00359	-0.08429	0.06877	-0.07614	0.10031
2.42E-07	-0.28134	6.06E-10	0.281702	5.75E-10	-0.0264	0.56937	0.11673	0.01159
0.02438	-0.1577	0.00063	-0.01004	0.8287	-0.03777	0.41548	0.092769	0.0451
0.02622	-0.19318	2.63E-05	-0.06289	0.17488	-0.05202	0.26194	0.035867	0.43937
0.05187	-0.12993	0.00492	-0.06748	0.14538	-0.04697	0.31116	0.085296	0.06552
0.09237	0.065726	0.15617	0.31631	2.60E-12	0.02437	0.59937	-0.02483	0.59255
0.00341	-0.11031	0.01709	0.011228	0.80878	0.022677	0.62498	0.046376	0.31729
0.71256	-0.04689	0.3119	0.024468	0.59791	-0.05028	0.27819	0.160265	0.00051
0.67805	-0.02912	0.53013	0.047575	0.30493	0.068497	0.13941	0.122306	0.00815
6.23E-05	-0.2602	1.15E-08	-0.09877	0.03285	-0.02619	0.57231	0.097976	0.03429
0.09671	0.121206	0.00874	0.164866	0.00035	-0.00706	0.87901	0.044922	0.33272
0.03231	0.115793	0.01228	0.108525	0.01898	0.08465	0.0676	0.311968	5.33E-12
0.00095	0.101098	0.02893	-0.03766	0.41684	-0.00799	0.86332	0.06613	0.15363
4.39E-07	0.261566	9.61E-09	0.02072	0.65516	0.085612	0.06453	0.24695	6.43E-08
0.00979	-0.12792	0.00563	-0.01382	0.76581	-0.0676	0.14465	-0.0076	0.86994
8.36E-09	0.287369	2.49E-10	0.032493	0.48363	-0.09332	0.04384	0.195973	2.00E-05
1.49E-05	0.088803	0.05515	-0.07458	0.10746	-0.02177	0.63889	-0.06917	0.13554
0.00136	-0.22316	1.11E-06	-0.04663	0.31468	-0.0354	0.44537	0.017999	0.69805
0.28695	0.014785	0.74998	0.19024	3.50E-05	0.068627	0.13866	0.090405	0.05089
0.74343	-0.05192	0.26284	0.026692	0.56504	0.022157	0.63294	0.172417	0.00018
4.69E-08	0.239093	1.70E-07	0.13256	0.00411	0.055351	0.23254	0.319542	1.51E-12
2.58E-06	0.18034	8.89E-05	0.001331	0.97711	-0.00389	0.93317	0.01312	0.77735

2.84E-05	0.197478	1.72E-05	0.072331	0.11854	0.038595	0.40534	0.167981	0.00027
0.00132	0.090989	0.0494	0.127782	0.00569	0.018719	0.68659	0.086699	0.0612
0.75373	-0.07304	0.11495	0.025168	0.58747	-0.02904	0.53126	0.07427	0.10896
0.5516	-0.07208	0.11984	0.014274	0.75834	-0.10878	0.0187	0.068349	0.14026
3.08E-06	-0.24041	1.45E-07	-0.09599	0.03812	-0.06954	0.13349	0.02047	0.65905
0.0045	0.014417	0.756	-0.01325	0.77516	0.029279	0.52793	0.0717	0.12179
0.70595	-0.05703	0.21864	-0.00311	0.94661	-0.05399	0.24424	0.020446	0.65943
0.00021	-0.15983	0.00053	0.209	5.24E-06	-0.07522	0.10451	-0.15027	0.00113
0.19294	0.015912	0.73163	0.071412	0.1233	0.052436	0.2581	-0.00917	0.84328
0.90539	0.045438	0.32719	0.141783	0.00213	0.045223	0.32948	-0.08488	0.06684
3.27E-30	-0.54761	6.78E-38	-0.12235	0.00812	-0.14149	0.00218	-0.04809	0.29973
0.58014	-0.03308	0.4757	0.024	0.60493	-0.01017	0.82657	0.024317	0.60017
0.23056	-0.15862	0.00058	-0.10483	0.02348	-0.12352	0.00753	0.10669	0.02111
0.09769	-0.23164	4.16E-07	-0.09247	0.0458	-0.08861	0.05569	0.041501	0.37088
0.54831	-0.02603	0.57468	-0.01706	0.71316	-0.00396	0.93206	0.162894	0.00041
0.91641	0.039615	0.39304	0.031056	0.50318	0.020524	0.65821	0.222855	1.15E-06
0.86791	0.020777	0.65426	0.059899	0.19632	0.001313	0.97743	-0.02142	0.64422
0.88578	-0.01784	0.7006	0.037067	0.4242	-0.04614	0.31977	0.00349	0.94003
0.05781	-0.00634	0.89136	0.030674	0.50845	0.134683	0.00355	0.104408	0.02405
5.44E-05	-0.16775	0.00027	0.088194	0.05685	-0.06284	0.1752	-0.10838	0.01914
2.13E-33	0.420663	1.89E-21	0.076606	0.09824	0.050583	0.27532	0.350556	5.98E-15
0.85813	-0.00137	0.97648	0.050385	0.27721	-0.01331	0.77421	0.009631	0.83556
0.29327	-0.06142	0.18514	0.044963	0.33227	0.011471	0.80473	0.059801	0.19705
0.55928	-0.10738	0.02028	-0.01313	0.77711	-0.0077	0.86815	0.017878	0.69999
1.12E-06	-0.23071	4.65E-07	-0.12332	0.00763	-0.04291	0.35483	-0.13606	0.00322
0.02119	-0.11845	0.01041	0.001224	0.97895	-0.01601	0.73004	0.1211	0.0088
0.02918	-0.15409	0.00083	-0.16582	0.00032	-0.09048	0.05069	-0.03488	0.45206
0.72248	-0.07293	0.11553	0.097123	0.03589	-0.08742	0.05905	0.029899	0.51923
0.66807	0.031263	0.50035	-0.04567	0.32473	-0.04622	0.31893	0.156141	0.00071
0.04506	-0.24982	4.47E-08	-0.07617	0.10018	-0.11689	0.01147	0.060032	0.19532
0.15136	-0.1286	0.00538	-0.03584	0.43966	-0.06972	0.13248	0.061119	0.18734
0.05477	-0.12952	0.00506	-0.09007	0.05174	-0.07706	0.09625	0.114092	0.01363
0.39017	0.005029	0.91369	-0.05627	0.22486	-0.05604	0.22679	0.157932	0.00061
0.35495	-0.07199	0.12031	0.033195	0.47422	-0.00488	0.91616	0.245176	8.04E-08
0.00231	0.138135	0.00278	0.026432	0.56883	0.044414	0.33822	0.367064	2.42E-16
0.00032	0.164963	0.00034	0.116238	0.01195	0.085077	0.06622	0.310474	6.80E-12
0.00083	0.068251	0.14084	-0.00599	0.8973	-0.02548	0.58287	0.047881	0.30182
0.42525	0.071434	0.12319	0.063987	0.16744	-0.00244	0.95814	0.021052	0.64999
0.80143	-0.02186	0.63745	0.006965	0.88067	-0.02674	0.5643	0.049138	0.28929
0.00017	-0.31921	1.60E-12	-0.14211	0.00208	-0.07407	0.10993	-0.01029	0.82454
1.55E-05	0.126668	0.00612	0.012424	0.78888	-0.01436	0.75701	0.110941	0.01646
0.73408	0.009962	0.83	0.068635	0.13861	0.018286	0.69348	-0.07528	0.10419
0.00135	-0.1795	9.61E-05	-0.10199	0.02754	-0.00071	0.98786	-0.12632	0.00627
0.00212	0.147245	0.00142	0.010486	0.8212	0.023143	0.61788	0.339227	4.86E-14
3.94E-05	0.268394	3.79E-09	-0.00032	0.99452	-0.00812	0.86112	0.25993	1.20E-08

0.66721	0.003043	0.94771	0.032281	0.48649	-0.00017	0.99715	0.204449	8.45E-06
0.52597	0.004732	0.91876	-0.07708	0.09615	0.008456	0.85538	-0.07447	0.10802
2.86E-16	-0.46902	6.43E-27	-0.10963	0.01779	-0.14054	0.00233	-0.02585	0.57735
0.00022	-0.19438	2.34E-05	-0.06612	0.15373	-0.11299	0.01456	-0.08493	0.06668
8.05E-06	-0.30159	2.82E-11	-0.09301	0.04454	-0.19747	1.72E-05	-0.05496	0.23582
9.37E-11	-0.48885	2.00E-29	-0.17748	0.00012	-0.12767	0.00573	-0.02028	0.662
0.02804	0.103517	0.02528	0.075482	0.10329	0.028699	0.53615	0.202133	1.07E-05
1.01E-09	-0.24584	7.40E-08	-0.05001	0.2808	-0.04024	0.3856	0.054937	0.23605
0.00531	-0.18793	4.37E-05	-0.03307	0.47592	-0.03381	0.46601	0.038418	0.4075
3.57E-05	-0.25433	2.50E-08	-0.08144	0.07874	-0.09006	0.05177	-0.07506	0.10523
0.00257	-0.23075	4.62E-07	-0.05124	0.26916	-0.03634	0.4334	0.071027	0.12534
0.02404	-0.17817	0.00011	-0.08138	0.07895	-0.05757	0.21429	0.082117	0.07626
0.69066	-0.06262	0.17674	0.050884	0.27247	-0.0139	0.76449	0.156847	0.00067
0.02809	0.074817	0.10637	0.008774	0.85001	0.022083	0.63408	0.259201	1.32E-08
0.91046	-0.07293	0.11549	-0.01312	0.77742	0.00343	0.94106	0.15592	0.00072
0.66286	-0.00074	0.98722	0.198031	1.63E-05	0.058923	0.20372	0.108717	0.01877
0.40959	-0.10846	0.01906	-0.00634	0.89131	-0.03692	0.42606	0.169693	0.00023
0.072	0.048937	0.29127	-0.01434	0.75721	-0.03024	0.51452	0.248629	5.20E-08
0.36885	0.027718	0.55017	-0.01338	0.77313	-0.01277	0.78307	0.218364	1.90E-06
0.001	0.176044	0.00013	0.029125	0.53011	0.010143	0.82695	0.369247	1.56E-16
0.1663	-0.13555	0.00334	-0.03883	0.40244	-0.03369	0.46761	0.078175	0.09152
0.00159	-0.1978	1.67E-05	0.037406	0.41997	-0.01779	0.70137	0.067452	0.14556
0.00345	-0.1866	4.96E-05	-0.02471	0.59424	-0.02489	0.59153	0.034285	0.45983
0.0396	0.017073	0.71288	0.092972	0.04463	-0.02871	0.53598	0.151743	0.001
0.0164	-0.15642	0.00069	-0.07753	0.09422	-0.07547	0.10336	0.090396	0.05091
4.71E-05	0.109458	0.01797	-0.10455	0.02386	-0.05309	0.25222	0.098154	0.03396
1.11E-12	0.290137	1.65E-10	-0.04385	0.34434	-0.00054	0.99073	0.175852	0.00013
0.37382	-0.1534	0.00088	-0.09904	0.03237	-0.11486	0.013	-0.0204	0.66007
0.00534	-0.12679	0.00608	-0.10795	0.01962	-0.01348	0.77142	0.060216	0.19395
0.81741	-0.04961	0.28469	0.155411	0.00075	0.027272	0.5566	0.147567	0.00138
1.96E-05	-0.31986	1.44E-12	-0.13917	0.00258	-0.01269	0.78449	-0.0047	0.9194
0.00023	0.148206	0.00132	0.000728	0.98748	-0.01894	0.68315	0.019324	0.67704
0.03625	-0.14258	0.00201	-0.05511	0.23458	-0.03345	0.47086	0.046068	0.32052
0.00049	-0.22925	5.51E-07	-0.06283	0.17528	-0.03791	0.41371	0.071788	0.12134
1.28E-06	-0.22293	1.14E-06	0.006432	0.88975	-0.00255	0.95614	0.192573	2.79E-05
0.91036	-0.04865	0.29408	-0.00299	0.94865	-0.02341	0.61378	0.157714	0.00062
0.00273	-0.17255	0.00018	-0.00651	0.88837	-0.04986	0.28224	0.020965	0.65134
0.03236	-0.08528	0.06556	-0.00944	0.83876	-0.02486	0.592	0.003179	0.94537
0.07842	-0.08825	0.05668	-0.01558	0.73694	-0.04214	0.36355	-0.02769	0.55058
0.00492	-0.09778	0.03465	-0.01046	0.82167	-0.01239	0.78942	0.022881	0.62187
0.83323	-0.00265	0.95443	-0.03047	0.51131	0.013915	0.76424	0.054997	0.23554
0.09684	-0.04354	0.34782	-0.02227	0.63124	-0.03258	0.48252	0.20513	7.87E-06
1.40E-05	0.237947	1.96E-07	0.06287	0.17499	0.032551	0.48285	0.024422	0.5986
0.0806	0.08481	0.06708	0.032796	0.47955	0.01772	0.7025	0.045016	0.3317
0.76826	-0.08602	0.06325	-0.02548	0.58282	-0.00712	0.878	0.116361	0.01186

0.92565	-0.04649	0.31606	0.002318	0.96016	-0.02273	0.6241	0.047991	0.30071
1.46E-06	0.316494	2.52E-12	0.055466	0.23156	0.138571	0.00269	0.197345	1.74E-05
1.66E-23	0.4328	9.65E-23	-0.08231	0.07556	0.008905	0.84779	0.04006	0.38773
0.14725	-0.04022	0.38581	0.01736	0.70827	0.042258	0.36221	0.035195	0.448
0.04555	-0.19242	2.84E-05	-0.05205	0.26163	-0.04463	0.33588	-0.00186	0.96809
0.00852	-0.30355	2.07E-11	-0.13724	0.00296	-0.13089	0.00461	0.078081	0.09191
5.86E-09	0.240027	1.52E-07	0.09815	0.03397	0.056694	0.22138	0.12978	0.00497
0.21776	-0.01334	0.77365	-0.0881	0.0571	-0.00328	0.94364	0.120403	0.0092
9.80E-06	0.279501	7.91E-10	0.022267	0.63125	0.044804	0.33399	0.153049	0.00091
0.30376	-0.02767	0.55086	0.052751	0.25525	0.051397	0.26767	0.062584	0.17697
7.11E-07	0.245694	7.54E-08	0.010421	0.82229	0.076958	0.09669	0.110287	0.01712
7.95E-05	-0.23506	2.77E-07	-0.10334	0.02554	-0.0672	0.14704	-0.01271	0.78411
0.34456	-0.08728	0.05946	-0.00416	0.92849	-0.11189	0.01556	-0.01448	0.75489
0.49383	-0.11659	0.01169	-0.01751	0.70593	0.047614	0.30453	-0.02778	0.54927
0.11591	0.049704	0.28377	0.057838	0.21219	0.023473	0.61289	0.166214	0.00031
0.71933	-0.1662	0.00031	0.045167	0.33008	-0.0955	0.03911	-0.00221	0.96205
0.23372	-0.12152	0.00857	-0.0437	0.3461	-0.01686	0.71627	-0.00192	0.96698
0.13092	0.00044	0.99244	-0.0075	0.8716	-0.00284	0.95113	0.171306	0.0002
4.27E-05	0.14463	0.00173	0.00737	0.8738	0.036857	0.42683	0.178062	0.00011
0.00146	-0.18051	8.76E-05	-0.03953	0.39401	-0.0183	0.6932	0.062043	0.18074
0.20486	0.071202	0.12441	0.012767	0.78318	-0.02645	0.56851	0.105416	0.02271
0.70789	0.024898	0.59148	-0.01677	0.71782	-0.02348	0.61277	0.163816	0.00038
0.20544	0.018128	0.696	-0.00578	0.90094	-0.00076	0.98696	0.125322	0.00669
0.35592	0.056627	0.22193	-0.0291	0.5304	0.011019	0.81228	0.124416	0.0071
1.35E-05	0.230825	4.58E-07	-0.03557	0.44321	-0.03514	0.44865	0.129602	0.00503
0.0821	-0.06962	0.13304	-0.12779	0.00568	-0.08679	0.06091	0.12895	0.00526
0.05344	-0.11479	0.01306	-0.01875	0.68606	-0.09588	0.03835	-0.16721	0.00028
0.02336	0.015918	0.73152	0.073028	0.11502	0.035019	0.45027	0.101248	0.02869
0.63722	0.06844	0.13974	0.074619	0.1073	0.025193	0.5871	-0.02019	0.66337
0.84739	-0.18372	6.51E-05	-0.16686	0.00029	-0.03099	0.50409	0.035174	0.44827
4.62E-17	-0.49299	5.72E-30	-0.13067	0.00468	-0.05206	0.26155	-0.12	0.00944
0.65427	-0.10376	0.02494	-0.05573	0.22937	-0.02753	0.55288	0.079788	0.085
0.44812	-0.05798	0.21109	-0.03728	0.42158	-0.00141	0.97569	0.150618	0.0011
9.07E-08	0.234302	3.04E-07	0.055312	0.23287	-0.06503	0.16061	0.158117	0.0006
0.38586	-0.08721	0.05969	0.030707	0.50799	0.007203	0.87662	0.168826	0.00025
0.0363	0.171726	0.00019	0.097081	0.03597	0.087415	0.05908	0.009157	0.84355
0.36185	-0.17094	0.00021	-0.11272	0.0148	-0.1231	0.00774	0.01971	0.67095
0.06105	-0.20053	1.26E-05	-0.05712	0.21791	-0.0892	0.05407	0.011444	0.80518
0.004	0.139782	0.00247	-0.03809	0.41155	-0.06861	0.13875	0.085524	0.0648
3.87E-06	-0.1607	0.00049	-0.01938	0.67622	0.05167	0.26513	0.045704	0.32436
0.26021	0.235502	2.63E-07	0.134126	0.00369	0.03181	0.49287	0.115036	0.01286
0.21667	0.063572	0.17022	-0.02606	0.57432	0.030782	0.50697	-0.03644	0.43206
0.00988	0.175026	0.00014	-0.00953	0.83734	0.08106	0.08014	-0.08014	0.08362
0.12187	-0.18427	6.18E-05	-0.15725	0.00065	-0.0895	0.05327	-0.01835	0.69252
8.92E-06	-0.16094	0.00048	0.042936	0.35456	0.043224	0.35134	-0.01501	0.74634



0.02046	-0.03652	0.43106	0.038744	0.40353	-0.06223	0.17943	0.023004	0.62
4.83E-18	0.362332	6.19E-16	0.043257	0.35097	0.014148	0.76041	0.123118	0.00773
0.41312	-0.04156	0.37016	0.154177	0.00083	0.076091	0.10053	0.00769	0.86836
0.00226	-0.16693	0.00029	0.018931	0.68325	-0.14183	0.00212	-0.15357	0.00087
0.00075	0.117774	0.01086	0.043811	0.34483	0.003145	0.94596	0.049446	0.28627
0.13704	0.03972	0.39178	-0.14433	0.00177	0.01572	0.73474	0.166227	0.00031
1.45E-06	-0.32363	7.57E-13	-0.09514	0.03985	-0.14871	0.00127	0.009023	0.84581
0.95414	-0.03139	0.49859	-0.1071	0.02062	-0.01631	0.72516	-0.06384	0.16841
4.39E-06	0.100267	0.03028	0.020058	0.6655	0.031515	0.4969	0.3743	5.60E-17
0.42803	0.067091	0.14773	0.199582	1.39E-05	0.168522	0.00025	0.123717	0.00744
0.90613	-0.06976	0.13227	-0.02017	0.66373	-0.03472	0.45419	0.109491	0.01794
0.62489	0.026867	0.56249	-0.07587	0.10152	0.003715	0.93618	-0.14564	0.0016
3.57E-06	0.226909	7.23E-07	0.016869	0.71616	0.035549	0.44343	-0.16708	0.00029
0.966	0.057236	0.21699	0.01624	0.72631	0.026876	0.56236	0.032926	0.47782
0.00105	-0.23867	1.79E-07	-0.0692	0.13541	-0.05285	0.25432	0.038642	0.40477
8.07E-06	-0.244	9.32E-08	0.011816	0.79898	0.069926	0.13132	0.103025	0.02599
0.31525	-0.10388	0.02478	-0.13541	0.00337	-0.12046	0.00917	-0.11656	0.01171
0.00144	-0.16428	0.00036	0.012357	0.78998	-0.0005	0.99137	0.052225	0.26003
7.55E-19	0.481451	1.80E-28	0.111829	0.01562	0.033258	0.47339	0.188268	4.24E-05
0.03463	-0.08284	0.07369	-0.08332	0.07203	-0.02498	0.59024	0.035195	0.448
0.04933	-0.17262	0.00018	-0.05128	0.26876	-0.04091	0.37771	-0.04096	0.37714
0.02957	0.169182	0.00024	0.244347	8.92E-08	0.228253	6.19E-07	0.085503	0.06487
0.00049	-0.23959	1.60E-07	-0.05088	0.27251	-0.0358	0.44017	0.050269	0.27832
0.00239	-0.16561	0.00033	0.024728	0.59401	-0.00611	0.89523	0.201473	1.15E-05
6.67E-13	0.33718	7.03E-14	-0.01128	0.80789	-0.04781	0.30254	0.093308	0.04386
0.15031	-0.15868	0.00058	-0.05387	0.24532	-0.03167	0.49482	0.063065	0.17366
6.67E-10	0.290832	1.48E-10	0.085535	0.06477	0.002004	0.96555	0.276935	1.14E-09
0.26702	0.113891	0.01379	0.168858	0.00025	0.044041	0.3423	0.012128	0.79379
0.00085	0.230251	4.90E-07	0.011607	0.80245	0.047347	0.30725	0.311207	6.04E-12
0.07881	-0.09107	0.04921	-0.05016	0.27934	0.048543	0.29518	-0.05161	0.26572
0.2032	-0.00153	0.97364	0.114776	0.01307	0.092241	0.04634	0.00039	0.99329
0.51109	-0.03573	0.44111	-0.00283	0.95145	-0.02775	0.54977	0.144095	0.0018
0.00822	-0.20524	7.78E-06	0.001539	0.97354	-0.10367	0.02506	0.039775	0.39112
0.60209	-0.08606	0.06314	-0.04714	0.30934	-0.03843	0.40735	0.062951	0.17443
0.57287	-0.01353	0.77059	0.020562	0.65762	0.114812	0.01304	0.058737	0.20515
0.52387	-0.08552	0.06482	-0.10185	0.02775	-0.07336	0.11339	-0.09541	0.0393
0.16457	0.009017	0.84591	-0.07481	0.1064	-0.06017	0.19433	-0.00109	0.9813
0.00189	-0.23577	2.55E-07	-0.0558	0.22879	-0.0447	0.3351	0.042999	0.35385
3.41E-06	0.233785	3.23E-07	-0.0077	0.86827	0.060346	0.19299	-0.01574	0.73444
0.03375	-0.1576	0.00063	-0.10747	0.02018	-0.06674	0.14987	0.094987	0.04019
5.59E-10	0.325876	5.14E-13	0.055038	0.23519	0.111505	0.01592	0.364349	4.16E-16
1.35E-09	0.398683	3.05E-19	0.015801	0.73343	0.172752	0.00018	0.20953	4.96E-06
0.93598	-0.00918	0.84312	0.03878	0.4031	0.014649	0.7522	0.06063	0.1909
0.00493	-0.04369	0.34612	-0.07492	0.10587	-0.00903	0.84562	0.130865	0.00462
0.00778	0.095252	0.03963	-0.10265	0.02654	-0.03046	0.51142	0.054324	0.24133

0.96657	-0.0539	0.24501	0.042528	0.35914	0.004282	0.92647	0.032723	0.48053
0.00831	-0.1329	0.00401	-0.11273	0.0148	-0.04803	0.30027	0.017583	0.7047
7.92E-13	-0.27774	1.02E-09	-0.08041	0.08261	-0.10969	0.01772	-0.07087	0.12618
0.61424	0.005018	0.91388	0.035366	0.44579	0.000988	0.98302	0.141588	0.00216
0.02276	-0.10875	0.01873	0.047187	0.30889	-0.03407	0.46264	-0.01906	0.68123
0.48381	-0.0992	0.03209	0.020246	0.66255	0.001665	0.97138	0.025169	0.58745
1.04E-13	0.348694	8.49E-15	0.0553	0.23297	0.101175	0.0288	0.271961	2.31E-09
0.31355	-0.03796	0.41307	0.156463	0.00069	-0.06345	0.17106	0.077869	0.0928
0.83166	-0.02648	0.56813	-0.01688	0.71592	-0.03079	0.50687	0.187934	4.37E-05
0.14597	-0.06353	0.17052	-0.03355	0.46949	-0.0015	0.97418	0.100341	0.03016
0.90752	0.08105	0.08017	0.028496	0.53903	0.078094	0.09186	0.016798	0.7173
0.38362	-0.02856	0.53817	0.059279	0.201	0.124677	0.00698	0.136782	0.00306
3.58E-05	0.224599	9.42E-07	0.033669	0.46794	-0.04798	0.30085	0.287331	2.51E-10
0.02735	0.05303	0.25274	0.021929	0.63644	0.0124	0.78927	0.069316	0.13473
0.00012	0.184478	6.06E-05	0.002755	0.95265	-1.71E-05	0.99971	0.054433	0.24038
0.67778	-0.10896	0.0185	-0.01752	0.70568	-0.00749	0.87168	0.143978	0.00181
0.80504	-0.08407	0.0695	-0.06915	0.13565	-0.04706	0.31018	0.038045	0.41207
0.05252	0.00756	0.87056	-0.02218	0.63257	-0.10676	0.02103	0.093746	0.04288
0.03304	-0.17045	0.00021	0.116221	0.01196	-0.02351	0.6123	0.059517	0.19919
0.00086	-0.1133	0.0143	0.058551	0.20659	0.103287	0.02561	0.105562	0.02252
0.13034	0.071905	0.12073	0.010534	0.8204	-0.02221	0.63216	0.140654	0.00231
0.00107	-0.20656	6.78E-06	-0.15391	0.00085	-0.08389	0.07012	0.053686	0.24691
0.43059	-0.0922	0.04645	-0.03516	0.44838	0.025114	0.58827	0.108091	0.01947
0.88104	-0.08036	0.08279	-0.07632	0.09948	-0.07503	0.10536	-0.06073	0.1902
0.98992	-0.07731	0.09517	-0.04599	0.3213	-0.05145	0.26713	0.189162	3.89E-05
4.98E-08	0.250918	3.88E-08	0.070755	0.1268	0.027451	0.55402	0.260763	1.07E-08
1.74E-08	0.28627	2.94E-10	0.036465	0.43177	0.004344	0.92541	0.174895	0.00015
0.99198	0.088274	0.05662	0.039752	0.3914	0.06534	0.15862	-0.06588	0.15517
0.15642	-0.16003	0.00052	-0.15679	0.00067	-0.15413	0.00083	-0.02249	0.6279
0.33397	0.015715	0.73482	-0.12698	0.006	0.011355	0.80666	-0.02637	0.56976
0.02892	-0.1713	0.0002	-0.10353	0.02527	-0.15221	0.00097	-0.00817	0.86017
1.58E-09	0.339698	4.46E-14	0.013364	0.77331	-0.0341	0.46223	0.086823	0.06083
0.90546	-0.03905	0.39986	-0.11839	0.01045	-0.04252	0.35923	0.075218	0.1045
2.18E-07	-0.19806	1.62E-05	-0.01798	0.69841	0.004895	0.91599	0.066813	0.14942
0.00029	-0.24765	5.89E-08	-0.05738	0.21585	-0.03014	0.51586	0.039263	0.39725
0.00466	-0.245	8.22E-08	-0.09388	0.04258	-0.05615	0.22585	0.028727	0.53574
0.04565	0.035297	0.44668	0.054354	0.24107	-0.02569	0.57966	-0.01327	0.77485
0.1094	-0.22172	1.31E-06	-0.07044	0.12852	-0.09506	0.04003	-0.09427	0.04173
0.33283	-0.15868	0.00058	-0.0592	0.20163	-0.00032	0.99447	0.033161	0.47468
0.00265	-0.19253	2.80E-05	0.026899	0.56203	-0.02787	0.54798	0.093631	0.04313
0.00116	0.107929	0.01965	0.126139	0.00634	-0.00222	0.96192	0.193964	2.44E-05
3.80E-11	0.269053	3.46E-09	0.142489	0.00202	-0.00782	0.86607	0.349417	7.41E-15
0.15877	-0.09568	0.03876	0.095396	0.03933	-0.01259	0.78609	0.022555	0.62684
0.00341	-0.16085	0.00048	-0.04942	0.28656	-0.05237	0.25866	-0.14109	0.00224
0.07067	0.152974	0.00091	0.394909	7.03E-19	0.070572	0.12779	0.25201	3.38E-08

0.00074	0.12133	0.00867	-0.08394	0.06993	-0.05505	0.23513	-0.01317	0.77659
8.50E-06	0.172818	0.00017	-0.10036	0.03012	0.117647	0.01095	-0.03902	0.40024
0.03944	-0.10205	0.02744	-0.05956	0.19883	-0.0394	0.39556	0.074465	0.10803
2.77E-07	-0.25149	3.61E-08	-0.07623	0.09991	0.015124	0.74445	0.047969	0.30093
0.00372	0.106376	0.0215	-0.03454	0.45644	0.059067	0.20262	0.128393	0.00546
1.06E-06	-0.2532	2.90E-08	-0.05684	0.22017	-0.10518	0.02301	-0.13322	0.00393
0.84899	0.1176	0.01098	0.011477	0.80463	0.058105	0.21007	-0.10554	0.02255
5.75E-06	-0.23222	3.89E-07	0.058988	0.20322	0.051817	0.26377	0.070814	0.12648
0.17829	0.111727	0.01571	0.026914	0.5618	-0.03886	0.40212	0.230856	4.56E-07
0.10744	0.132686	0.00407	0.049519	0.28557	0.062495	0.17759	0.193783	2.48E-05
0.02219	0.147064	0.00144	0.081587	0.07819	0.015269	0.74209	0.229461	5.37E-07
0.33721	0.065404	0.15821	0.020381	0.66044	-0.016	0.73027	0.157253	0.00065
0.02122	0.147175	0.00143	0.064115	0.16659	-0.02577	0.57859	0.127583	0.00576
0.53326	-0.1124	0.01509	-0.20538	7.67E-06	-0.0909	0.04963	0.042713	0.35706
0.22092	-0.0667	0.15009	-0.02328	0.61574	-0.07095	0.12575	0.010901	0.81425
0.00548	-0.20192	1.10E-05	-0.03101	0.50387	-0.03263	0.48185	-0.01598	0.73055
0.59877	0.034311	0.45948	0.077905	0.09265	0.092381	0.04601	0.141719	0.00214
0.1523	0.005158	0.91149	-0.11082	0.01658	0.072124	0.1196	-0.0907	0.05013
0.26993	-0.01875	0.68619	0.074841	0.10626	0.010566	0.81986	-0.05636	0.22415
0.38372	0.10513	0.02308	0.037319	0.42106	0.10655	0.02128	0.027558	0.55249
0.17622	-0.06096	0.18847	0.068729	0.13807	-0.01376	0.76681	-0.03247	0.48394
0.2687	0.101069	0.02897	0.043132	0.35235	0.145935	0.00157	0.060903	0.18891
0.00022	-0.22489	9.11E-07	-0.02319	0.61715	-0.04052	0.38234	0.084746	0.06729
0.00017	0.210869	4.30E-06	0.04427	0.33978	-0.03636	0.43309	0.159504	0.00054
0.7479	0.099496	0.03158	0.014069	0.76172	0.009498	0.8378	0.11284	0.0147
0.01823	0.058495	0.20703	-0.01342	0.77233	0.073299	0.11367	0.113257	0.01433
0.30497	-0.01202	0.79564	0.20174	1.12E-05	0.080939	0.08059	0.072826	0.11603
0.0088	-0.19421	2.38E-05	-0.03056	0.50997	-0.02661	0.56626	0.098382	0.03354
0.46777	0.137581	0.00289	0.105541	0.02255	0.167253	0.00028	0.003834	0.93414
0.80348	-0.0207	0.65545	-0.01279	0.78289	-0.06118	0.18689	0.048242	0.29818
0.20601	0.10295	0.0261	-0.03106	0.50309	-0.0235	0.61244	0.049594	0.28484
0.15454	-0.13828	0.00275	-0.02824	0.54268	-0.04326	0.35093	0.034187	0.46111
0.62144	0.017867	0.70015	-0.02863	0.53716	-0.03663	0.42967	-0.09842	0.03348
0.01078	0.131664	0.00437	0.061048	0.18786	0.051211	0.2694	0.320723	1.24E-12
0.70779	-0.05802	0.21075	0.054484	0.23995	0.05705	0.21848	0.063532	0.17048
0.01517	-0.11909	0.01	-0.07626	0.09976	-0.09789	0.03444	0.014086	0.76143
0.91243	0.101462	0.02835	0.032872	0.47854	0.050218	0.27881	0.166378	0.0003
0.50834	0.053301	0.25032	0.103324	0.02556	0.079083	0.08781	0.258063	1.53E-08
7.53E-06	-0.30669	1.26E-11	-0.03135	0.49909	-0.05101	0.27133	0.01652	0.7218
0.09717	-0.10079	0.02943	-0.07174	0.1216	-0.08533	0.0654	0.035896	0.439
0.00134	0.12432	0.00715	-0.00491	0.91569	0.019412	0.67565	-0.02144	0.64395
0.04807	-0.09105	0.04926	0.046906	0.31178	0.012921	0.78063	-0.00223	0.96166
0.13672	-0.05752	0.21469	0.011628	0.80211	-0.01011	0.82756	0.122634	0.00798
0.04268	0.114904	0.01297	0.025768	0.57858	-0.03276	0.4801	0.068902	0.13708
0.04801	-0.12161	0.00852	-0.10065	0.02964	-0.03428	0.45983	0.011433	0.80536

2.68E-06	-0.2452	8.02E-08	-0.08977	0.05253	-0.04887	0.29193	-0.00829	0.8582
0.42515	-0.08682	0.06083	-0.12857	0.00539	-0.12998	0.0049	0.123259	0.00766
0.02177	-0.11697	0.01142	0.049041	0.29024	0.02848	0.53925	0.163766	0.00038
0.00252	0.087081	0.06006	-0.09441	0.04142	-0.04194	0.36586	0.074068	0.10992
0.06639	0.054267	0.24182	-0.05836	0.20805	-0.00293	0.94959	0.076563	0.09842
0.19173	0.016247	0.72621	-0.04983	0.2825	-0.00238	0.95906	0.118764	0.01021
0.38505	-0.11723	0.01124	-0.08668	0.06126	-0.05714	0.21774	0.045617	0.32528
0.61862	-0.10154	0.02823	-0.10611	0.02182	-0.10436	0.02411	0.0702	0.12982
0.02716	-0.04384	0.34446	-0.04547	0.32686	-0.02844	0.53978	0.103021	0.026
0.29466	-0.06638	0.15207	0.051293	0.26863	-0.02086	0.653	0.056373	0.22401
0.51474	-0.18619	5.16E-05	-0.05555	0.23087	-0.01023	0.82547	0.030104	0.51636
0.00014	-0.20121	1.18E-05	0.033947	0.46427	0.001942	0.96662	0.02922	0.52877
0.69887	0.018546	0.68934	0.089799	0.05247	-0.01545	0.73917	-0.13344	0.00387
0.82089	0.010319	0.824	-0.01349	0.77119	-0.0181	0.69644	0.207391	6.21E-06
0.00587	0.14692	0.00145	0.012656	0.78502	0.005361	0.90801	0.152199	0.00097
0.23329	-0.19502	2.20E-05	-0.04948	0.28592	-0.10992	0.01749	-0.00021	0.99645
1.52E-06	-0.15469	0.0008	-0.00087	0.985	0.009564	0.83669	0.121986	0.00832
2.70E-06	-0.16428	0.00036	-0.06044	0.1923	-0.0248	0.59288	-0.04456	0.33658
0.04674	-0.01305	0.7785	0.001884	0.96761	0.017402	0.7076	0.065834	0.15549
0.44082	-0.03024	0.51443	-0.05453	0.23954	-0.07021	0.12977	-0.02122	0.64743
0.00599	-0.17617	0.00013	0.089439	0.05342	0.002759	0.95258	0.035425	0.44503
2.07E-07	-0.33206	1.75E-13	-0.14467	0.00172	-0.06783	0.14331	0.007325	0.87455
0.46245	-0.01876	0.68588	-0.00098	0.98318	0.046844	0.31242	-0.04713	0.30951
1.15E-15	0.450913	9.09E-25	0.013407	0.77261	0.10273	0.02642	0.076679	0.09792
6.03E-14	0.338453	5.59E-14	0.041564	0.37015	0.048077	0.29984	0.071349	0.12364
9.37E-10	0.226534	7.55E-07	-0.07232	0.1186	0.022815	0.62288	0.089857	0.05231
0.50995	-0.06566	0.15657	-0.00656	0.88764	-0.02522	0.58673	0.045155	0.33021
0.002	0.10522	0.02296	-0.04744	0.30627	0.014039	0.7622	-0.17162	0.00019
0.00185	0.230853	4.57E-07	0.236602	2.30E-07	0.056152	0.22583	0.084901	0.06678
0.40065	0.058941	0.20358	-0.00296	0.94913	-0.06581	0.15566	0.02287	0.62203
0.00011	-0.17742	0.00012	-0.08971	0.0527	-0.01443	0.75584	0.111517	0.01591
0.99625	-0.11889	0.01012	-0.01989	0.6682	-0.01482	0.74948	0.030779	0.507
0.07854	-0.09648	0.03714	0.022097	0.63387	0.032614	0.482	0.146164	0.00154
0.34707	-0.11087	0.01653	-0.02846	0.53953	-0.02569	0.57967	0.103684	0.02505
0.00207	0.117714	0.0109	0.021193	0.64781	0.037599	0.41758	0.173944	0.00016
0.06239	-0.0305	0.5108	0.057622	0.2139	0.118369	0.01046	-0.12201	0.0083
0.1772	-0.07844	0.09044	-0.01316	0.77661	-0.01991	0.66785	0.00811	0.86125
3.93E-13	0.377276	3.03E-17	0.000734	0.98738	0.112495	0.01501	0.234309	3.03E-07
0.21421	0.002322	0.96008	0.039674	0.39233	-0.03276	0.48005	0.108834	0.01864
6.59E-08	0.26518	5.89E-09	0.047988	0.30074	0.067936	0.14268	0.169777	0.00023
0.19921	-0.11662	0.01166	-0.05624	0.22512	-0.03438	0.45853	0.195761	2.04E-05
0.04209	-0.09194	0.04706	0.027812	0.54882	-0.06139	0.18538	0.013127	0.77723
0.0038	0.132569	0.00411	-0.02376	0.60861	0.082673	0.07429	0.140894	0.00227
0.00792	0.110532	0.01687	0.037564	0.41802	-0.00762	0.86952	0.207257	6.30E-06
9.59E-05	0.20424	8.63E-06	-0.09792	0.03439	-0.00921	0.84257	0.050529	0.27584

9.50E-06	0.198775	1.51E-05	0.079698	0.08536	0.045558	0.32591	0.099707	0.03122
0.03424	0.004683	0.91961	-0.0234	0.614	-0.02649	0.56799	0.190385	3.46E-05
0.3407	-0.15719	0.00065	-0.00881	0.84936	-0.04185	0.36683	0.010652	0.81842
0.63466	-0.10233	0.02701	-0.04064	0.38095	-0.03875	0.40347	0.097519	0.03514
0.06296	-0.04115	0.37492	0.091793	0.04742	0.111193	0.01622	0.053768	0.24618
6.36E-07	0.240517	1.43E-07	-0.00633	0.8915	0.016647	0.71973	0.191031	3.25E-05
0.00044	-0.23268	3.68E-07	-0.11827	0.01053	-0.02418	0.60226	-0.02431	0.60022
0.00318	-0.07986	0.08473	-0.05341	0.24933	-0.03695	0.42564	0.086099	0.06302
0.55435	-0.08354	0.07129	-0.01184	0.79862	-0.01036	0.82324	0.212774	3.50E-06
0.41978	-0.04459	0.33625	-0.07391	0.1107	-0.02944	0.52569	0.032199	0.48759
0.42239	-0.05045	0.27662	0.094462	0.04131	0.048653	0.29409	0.077581	0.09402
0.01628	0.200606	1.25E-05	0.083705	0.07073	0.047933	0.30129	0.05423	0.24214
0.71254	0.02428	0.60072	0.153326	0.00089	0.033154	0.47477	-0.04274	0.35678
0.06617	-0.15817	0.0006	-0.02348	0.61277	-0.0072	0.87668	0.127728	0.00571
0.54578	0.135995	0.00323	0.15518	0.00077	0.045844	0.32287	-0.19318	2.63E-05
0.19538	-0.10954	0.01788	-0.04788	0.30183	-0.07614	0.10032	0.041892	0.36638
0.47895	0.115403	0.01258	0.121092	0.00881	0.096955	0.03621	0.109818	0.0176
0.65022	0.031839	0.49247	-0.07633	0.09947	-0.02476	0.59361	0.113675	0.01397
4.88E-12	0.331699	1.86E-13	0.044863	0.33335	0.179341	9.75E-05	0.363869	4.57E-16
0.89059	0.048804	0.29259	-0.08006	0.08396	-0.06054	0.1916	0.039525	0.39411
0.46143	0.004456	0.92348	0.044709	0.33501	0.072425	0.11806	0.216355	2.37E-06
0.14057	0.059729	0.19759	0.00208	0.96425	-0.00997	0.82993	0.007657	0.86893
0.04889	0.125373	0.00667	-0.05603	0.22687	-0.00053	0.99085	0.034445	0.45774
0.03096	0.023336	0.61495	0.053492	0.24862	-0.03682	0.42725	0.096755	0.0366
1.69E-10	0.283088	4.69E-10	0.087813	0.05793	-0.00779	0.86672	0.259091	1.34E-08
0.09273	-0.06466	0.163	0.008124	0.86101	0.004499	0.92276	0.067445	0.1456
0.7469	-0.03305	0.47616	0.041475	0.37118	-0.00087	0.98497	0.104628	0.02375
0.00437	-0.03991	0.38948	0.044073	0.34194	0.223578	1.06E-06	0.008662	0.8519
0.00531	-0.19518	2.16E-05	-0.03006	0.51703	-0.01637	0.72415	0.040593	0.38145
1.63E-05	0.281724	5.73E-10	0.063117	0.1733	0.069253	0.13508	0.267699	4.17E-09
1.22E-16	0.374796	5.06E-17	-0.01453	0.75412	0.022387	0.62941	0.326116	4.94E-13
0.36787	0.042442	0.36012	0.009499	0.83778	0.011334	0.80701	0.104403	0.02405
0.90099	-0.11932	0.00986	-0.11361	0.01403	-0.047	0.31083	0.128713	0.00534
7.56E-05	0.140544	0.00233	0.053837	0.24558	0.025236	0.58646	0.283625	4.34E-10
0.00013	-0.27525	1.45E-09	-0.10573	0.0223	-0.04774	0.30327	-0.02929	0.52785
0.25303	-0.02327	0.61593	-0.01866	0.68752	-0.02098	0.65114	-0.05327	0.25061
0.00811	0.173787	0.00016	0.019839	0.66893	0.020406	0.66005	0.067063	0.1479
0.01604	0.153423	0.00088	0.067082	0.14778	0.070444	0.12848	0.152011	0.00098
0.98808	-0.03708	0.42403	0.028745	0.53549	-0.01306	0.77833	0.213733	3.16E-06
0.00116	-0.23779	2.00E-07	-0.08622	0.06265	-0.13429	0.00365	-0.05896	0.20345
0.00025	0.162673	0.00042	-0.03939	0.39577	0.078019	0.09217	0.120308	0.00926
0.25122	-0.15384	0.00085	-0.00387	0.93349	-0.01209	0.79436	0.054627	0.23871
0.01179	-0.12527	0.00672	0.022945	0.62089	-0.03092	0.50499	-0.13998	0.00243
0.33473	-0.10903	0.01843	0.047913	0.3015	0.01919	0.67915	0.174298	0.00015
0.25527	-0.02788	0.54783	0.015208	0.74307	-0.00093	0.98407	0.241505	1.27E-07

0.0391	0.087053	0.06014	0.032689	0.481	-0.01685	0.71646	0.082633	0.07443
6.81E-09	0.326544	4.58E-13	0.028755	0.53535	0.086658	0.06132	0.038742	0.40355
1.11E-05	0.138505	0.0027	-0.01631	0.72526	0.009138	0.84387	0.158186	0.0006
0.00406	-0.18743	4.59E-05	-0.05482	0.23709	-0.07955	0.08593	0.039274	0.39712
1.08E-07	0.339585	4.55E-14	0.056636	0.22185	0.035438	0.44486	0.307897	1.03E-11
0.42676	0.051734	0.26454	-0.07029	0.12931	0.014027	0.7624	0.101769	0.02787
0.00313	-0.11133	0.01608	0.064974	0.16097	0.052569	0.25689	0.091315	0.04859
0.00016	0.241847	1.22E-07	-0.00836	0.85694	0.172539	0.00018	0.183877	6.41E-05
0.55729	-0.01719	0.71102	0.016248	0.72619	0.003951	0.93214	0.192974	2.69E-05
0.16445	-0.02717	0.55809	0.009635	0.83549	0.027192	0.55777	0.050439	0.2767
0.36765	-0.02239	0.62941	0.210919	4.27E-06	-0.00589	0.89904	0.024722	0.59411
0.00021	0.202515	1.03E-05	-0.06582	0.15557	0.092757	0.04513	0.117808	0.01084
7.06E-06	-0.25955	1.26E-08	-0.02682	0.56316	0.023282	0.61578	0.021115	0.64902
0.66806	-0.0241	0.60336	-0.01575	0.73429	-0.04433	0.33912	0.177675	0.00011
0.04021	0.08091	0.0807	-0.1363	0.00316	0.034739	0.45389	0.053885	0.24516
7.20E-07	0.108582	0.01892	-0.10464	0.02373	-0.01114	0.81027	0.128854	0.00529
0.32389	-0.03468	0.45464	0.002689	0.95378	0.011149	0.8101	0.210054	4.69E-06
0.00121	-0.22374	1.04E-06	0.019658	0.67178	-0.04591	0.32217	0.017531	0.70553
0.2717	0.009097	0.84457	-0.06062	0.19095	-0.04707	0.31009	-0.0538	0.24595
0.03815	-0.17817	0.00011	-0.03668	0.42904	-0.03018	0.51532	0.084457	0.06823
1.70E-05	-0.27287	2.03E-09	-0.11127	0.01615	-0.06942	0.13415	-0.0033	0.94328
0.02089	-0.10912	0.01833	-0.05702	0.21876	-0.02854	0.53841	0.023959	0.60554
1.38E-05	0.312823	4.63E-12	0.069454	0.13395	0.151017	0.00106	0.192173	2.90E-05
0.01601	-0.22778	6.54E-07	0.008291	0.85818	-0.04537	0.32789	0.017167	0.71137
0.37086	0.062581	0.17699	-0.01694	0.7151	-0.01656	0.72118	-0.04204	0.36473
0.05055	-0.13375	0.00379	-0.05733	0.21621	-0.02977	0.52102	0.076486	0.09877
7.12E-06	-0.29693	5.84E-11	-0.07239	0.11824	-0.03415	0.46156	0.028007	0.54602
1.49E-05	-0.24351	9.89E-08	-0.05092	0.27213	-0.02947	0.52528	0.024439	0.59833
6.45E-05	0.21989	1.60E-06	0.003782	0.93503	0.042716	0.35703	-0.00615	0.89454
0.00603	-0.19906	1.47E-05	0.037647	0.41698	-0.09708	0.03596	0.062393	0.17829
0.00117	0.035971	0.43804	-0.03442	0.45801	0.006256	0.89274	0.157342	0.00064
0.22116	0.048233	0.29827	0.065951	0.15475	0.004338	0.9255	0.202257	1.06E-05
0.0004	-0.25551	2.14E-08	-0.03849	0.40661	-0.03106	0.50319	0.042432	0.36024
0.00038	-0.21653	2.33E-06	-0.07232	0.11861	0.027582	0.55213	0.052049	0.26164
0.00487	-0.18397	6.36E-05	-0.00516	0.91147	0.000226	0.99611	0.089005	0.0546
3.10E-05	0.228001	6.37E-07	0.00133	0.97714	0.032063	0.48944	0.258641	1.42E-08
5.36E-06	0.238192	1.90E-07	-0.00106	0.9817	0.014529	0.75416	0.152527	0.00094
0.32252	-0.14967	0.00118	-0.09365	0.04309	-0.03363	0.46848	0.064668	0.16295
0.0062	-0.18546	5.53E-05	-0.00592	0.89847	-0.05377	0.24617	0.011416	0.80565
0.00098	-0.17469	0.00015	-0.0716	0.1223	-0.05243	0.25813	0.014625	0.7526
1.28E-09	-0.37077	1.15E-16	-0.0469	0.31186	-0.08595	0.06346	-0.09962	0.03136
0.01156	0.084709	0.0674	-0.01195	0.79675	-0.08108	0.08005	0.114962	0.01292
3.27E-27	0.455087	2.98E-25	-0.08194	0.07691	0.068677	0.13837	0.077747	0.09331
0.03417	0.181324	8.13E-05	0.008319	0.85771	0.024954	0.59064	0.12078	0.00898
0.01877	0.021765	0.63897	-0.02819	0.54339	-0.03338	0.47171	0.099017	0.03241

0.0005	0.195092	2.18E-05	0.020992	0.65092	0.019634	0.67216	0.301786	2.74E-11
0.07966	-0.06857	0.13901	-0.00679	0.88368	0.080043	0.08401	-0.00518	0.91103
0.61053	-0.09964	0.03132	-0.03716	0.42302	-0.03748	0.41906	0.111465	0.01596
0.14733	-0.08066	0.08162	-0.00649	0.88869	-0.02622	0.57195	-0.10251	0.02675
0.99864	-0.07862	0.08969	0.008746	0.85048	0.023474	0.61287	-0.11881	0.01018
0.9081	-0.08379	0.07046	-0.02853	0.53853	-0.06918	0.13549	0.135104	0.00344
0.83389	0.042699	0.35722	-0.06827	0.14071	0.045209	0.32963	0.021632	0.64102
0.00045	-0.21484	2.80E-06	-0.02665	0.56564	-0.04907	0.28997	-0.12438	0.00712
0.00282	-0.12254	0.00802	-0.0011	0.98101	-0.00826	0.85864	0.032515	0.48334
0.37782	-0.04268	0.35739	0.0641	0.16669	0.018933	0.68321	0.014225	0.75914
0.01141	0.183912	6.39E-05	0.130026	0.00489	0.096874	0.03637	-0.02383	0.60756
0.36273	0.041454	0.37142	0.072449	0.11794	-0.02869	0.53634	-0.06446	0.16434
0.05213	-0.22375	1.04E-06	-0.01588	0.73216	-0.06183	0.18225	0.063818	0.16857
0.02954	-0.10349	0.02532	0.019992	0.66653	0.029043	0.53126	-0.00354	0.93915
0.00019	0.133298	0.0039	0.068592	0.13886	0.019059	0.68123	0.151467	0.00103
0.83104	-0.05857	0.20643	-0.04835	0.29711	-0.02948	0.52517	0.111912	0.01554
0.07548	0.119704	0.00962	-0.03183	0.49265	0.001545	0.97343	0.073541	0.11248
2.15E-19	0.422627	1.18E-21	0.110578	0.01682	0.086765	0.061	0.037828	0.41474
2.76E-06	0.111851	0.0156	-0.03526	0.4471	0.041104	0.37548	0.183086	6.90E-05
2.22E-05	-0.10582	0.02219	-0.05669	0.22142	0.019115	0.68033	0.032186	0.48777
0.0905	0.075895	0.10141	-0.02186	0.63758	-0.01148	0.80452	0.128006	0.0056
0.00922	0.18113	8.27E-05	-0.08601	0.06328	0.064756	0.16238	0.030887	0.50551
0.00082	0.146474	0.0015	0.02813	0.54426	0.115457	0.01254	0.049797	0.28286
0.01699	-0.06813	0.14157	-0.03891	0.40148	-0.03857	0.40567	0.176943	0.00012
0.02854	-0.11563	0.0124	-0.0299	0.51922	-0.05812	0.20996	0.121374	0.00865
0.63938	-0.18212	7.55E-05	-0.08407	0.06952	-0.16496	0.00034	-0.02512	0.58825
0.12599	-0.07883	0.08884	-0.04496	0.33232	-0.14972	0.00117	-0.04165	0.36912
0.00418	0.097655	0.03488	-0.17572	0.00014	-0.04644	0.31659	0.082294	0.07563
0.96042	0.080175	0.0835	-0.12826	0.00551	0.050262	0.27839	-0.04695	0.3113
0.04237	0.184344	6.14E-05	-0.03431	0.45944	0.070153	0.13007	0.035595	0.44284
0.0116	0.153277	0.00089	-0.01904	0.68155	0.045775	0.3236	0.0934	0.04365
1.08E-09	0.307865	1.04E-11	-0.02533	0.58501	0.029883	0.51945	0.16329	0.0004
0.47142	0.073589	0.11225	0.151084	0.00106	0.124524	0.00705	0.092891	0.04482
0.22111	-0.05292	0.25374	0.010781	0.81625	0.058496	0.20702	0.172151	0.00019
0.001	-0.11021	0.01719	0.027816	0.54877	-0.00225	0.96134	0.091616	0.04785
0.1676	-0.00888	0.84821	-0.05798	0.21106	0.005488	0.90584	0.077817	0.09302
0.00888	-0.2101	4.67E-06	-0.03297	0.47728	-0.02809	0.54486	0.060661	0.19067
0.19505	0.084688	0.06747	-0.11065	0.01675	0.123201	0.00769	-0.09	0.05195
0.00021	-0.23274	3.65E-07	-0.0546	0.23892	-0.03592	0.43871	-0.01838	0.69196
0.11311	0.018743	0.68622	-0.08547	0.06499	0.016175	0.72737	0.060074	0.19501
0.01744	-0.23509	2.76E-07	-0.11602	0.01211	-0.07856	0.08994	-0.04655	0.31547
0.23648	-0.00264	0.95471	0.007365	0.87388	0.00191	0.96716	0.184137	6.26E-05
0.01544	-0.1629	0.00041	-0.05579	0.22886	-0.06505	0.16049	0.022517	0.62743
0.95188	0.009366	0.84002	0.041572	0.37006	0.007919	0.86449	0.01069	0.81777
0.01099	-0.23792	1.97E-07	-0.05252	0.25733	-0.06598	0.15457	0.001771	0.96955

1.21E-05	-0.28639	2.88E-10	-0.14679	0.00147	-0.0054	0.90743	-0.0994	0.03175
0.60804	-0.1208	0.00897	0.020063	0.66542	-0.00824	0.85904	-0.02087	0.65287
0.01592	0.084082	0.06947	-0.01222	0.79227	0.026972	0.56096	0.211717	3.92E-06
0.00038	-0.25423	2.53E-08	-0.02018	0.66355	-0.10032	0.03019	0.029756	0.52123
0.00327	-0.01028	0.82458	-0.00338	0.94186	-0.04073	0.37988	0.131884	0.00431
0.0093	0.021714	0.63975	-0.0043	0.92611	-0.09267	0.04533	0.140155	0.0024
3.04E-11	0.213942	3.09E-06	-0.00362	0.93786	-0.04338	0.34964	0.230639	4.68E-07
0.09011	-0.13433	0.00363	-0.02567	0.58	0.008702	0.85122	0.03653	0.43094
0.22173	-0.04095	0.37729	-0.02118	0.64804	-0.00281	0.95172	0.139985	0.00243
0.57241	0.165276	0.00033	0.099806	0.03105	-0.01295	0.78023	0.006543	0.88786
0.47409	-0.17811	0.00011	-0.07879	0.08897	-0.05124	0.26914	-0.10554	0.02255
0.75002	-0.02859	0.53771	0.025574	0.58145	-0.00777	0.86695	0.040431	0.38336
0.06168	0.077212	0.0956	-0.11987	0.00952	0.075779	0.10193	-0.05741	0.21563
3.65E-07	0.175933	0.00013	-0.00805	0.86221	-0.02946	0.52541	0.040193	0.38617
3.96E-07	-0.3442	1.96E-14	-0.01036	0.82333	-0.09498	0.0402	-0.06711	0.1476
0.07828	0.023047	0.61935	0.030733	0.50763	0.017006	0.71395	0.279822	7.55E-10
0.00188	0.161604	0.00045	-0.03583	0.43988	0.033661	0.46803	0.181153	8.26E-05
0.55228	-0.02426	0.601	-0.01369	0.76793	-0.0114	0.80593	0.171786	0.00019
0.34238	0.058839	0.20437	0.087432	0.05903	0.010215	0.82575	0.006738	0.88454
0.03146	-0.21433	2.96E-06	-0.03467	0.45484	-0.0869	0.06059	-0.05102	0.27121
0.07097	-0.10917	0.01828	-0.14541	0.00163	0.028333	0.54135	-0.08501	0.06644
0.00013	0.208915	5.29E-06	0.086028	0.06323	0.059589	0.19864	0.060696	0.19042
0.7759	-0.08571	0.06421	-0.11278	0.01475	-0.06874	0.13803	0.00305	0.94758
5.57E-16	0.401884	1.49E-19	-0.02227	0.63122	0.032825	0.47917	0.04669	0.31402
0.3215	-0.07221	0.11916	-0.01883	0.68481	-0.00114	0.98033	0.136774	0.00306
8.03E-05	-0.18973	3.68E-05	0.006373	0.89074	-0.03532	0.44632	-0.01678	0.71757
1.71E-06	0.288366	2.15E-10	0.054335	0.24124	0.111292	0.01612	0.304497	1.78E-11
0.62434	-0.09964	0.03132	-0.10106	0.02899	-0.00724	0.87595	0.047761	0.30304
0.05285	0.106346	0.02153	-0.03286	0.47871	0.002003	0.96557	0.155852	0.00073
0.16733	0.142775	0.00198	0.125291	0.00671	-0.00174	0.97004	0.103743	0.02496
0.35579	-0.17558	0.00014	0.040033	0.38806	-0.09056	0.05048	0.072781	0.11626
0.66592	0.065421	0.1581	0.049501	0.28574	0.130536	0.00472	0.158046	0.00061
0.96325	0.084265	0.06886	0.055743	0.22924	0.023739	0.60886	0.014298	0.75796
0.00013	0.291102	1.42E-10	0.153583	0.00087	0.031726	0.49401	0.193956	2.44E-05
0.00873	-0.03626	0.43435	0.04761	0.30457	0.011393	0.80603	-0.14049	0.00234
0.0034	-0.25926	1.31E-08	-0.06132	0.18588	-0.04192	0.36604	0.095226	0.03969
3.27E-06	0.268468	3.75E-09	0.049853	0.28232	-0.01776	0.70193	0.102361	0.02697
0.16563	-0.10809	0.01947	-0.08343	0.07167	-0.08814	0.05701	-0.07488	0.10605
0.43582	-0.11943	0.00979	-0.05365	0.24724	-0.01866	0.68747	-0.07188	0.12087
0.00262	0.113346	0.01426	-0.0096	0.83613	-0.03739	0.42014	0.195224	2.15E-05
0.14093	-0.14778	0.00136	-0.01655	0.72126	-0.04599	0.32129	0.129629	0.00502
9.36E-05	-0.21225	3.71E-06	0.001761	0.96973	-0.04917	0.28895	-0.01083	0.81546
0.0009	-0.18708	4.74E-05	-0.10968	0.01774	-0.10611	0.02183	0.003886	0.93326
0.00311	0.080369	0.08275	-0.02804	0.54554	-0.08039	0.08268	0.069045	0.13626
7.31E-14	0.271863	2.34E-09	-0.01042	0.82229	0.013782	0.76643	0.280171	7.18E-10



5.36E-15	-0.42346	9.62E-22	-0.09556	0.039	-0.09539	0.03935	0.007465	0.87218
6.84E-05	-0.12888	0.00528	0.014048	0.76205	-0.00075	0.98702	0.068515	0.1393
0.13393	-0.15452	0.00081	-0.05966	0.19815	-0.0262	0.57218	0.030014	0.51761
0.49184	-0.1246	0.00702	-0.04498	0.33208	-0.02326	0.61617	0.180888	8.46E-05
0.20832	-0.03801	0.41254	0.069441	0.13402	0.088663	0.05554	0.080511	0.08221
0.32893	0.027358	0.55537	0.024349	0.59968	0.202919	9.90E-06	0.135357	0.00338
0.13405	-0.14169	0.00215	-0.11782	0.01083	-0.07695	0.09671	0.022895	0.62166
0.00487	0.017289	0.70942	-0.06134	0.18578	-0.03055	0.51018	0.128282	0.0055
0.00044	-0.24717	6.26E-08	-0.03856	0.40571	-0.08491	0.06676	-0.01373	0.76735
0.04141	0.183467	6.66E-05	0.066683	0.15022	0.09615	0.0378	0.04074	0.37972
0.54479	0.015791	0.7336	0.043582	0.34735	0.022314	0.63053	0.008194	0.85981
1.98E-10	-0.37051	1.21E-16	-0.16992	0.00023	-0.09931	0.03191	-0.05136	0.26798
0.04897	-0.08741	0.05908	-0.03079	0.50683	-0.01821	0.69467	-0.02082	0.65357
0.04253	0.074811	0.1064	-0.02591	0.57647	0.011358	0.80662	-0.00077	0.98669
0.5514	-0.06991	0.1314	-0.07891	0.08852	-0.06234	0.17863	-0.05248	0.25769
0.2341	0.047277	0.30796	-0.10607	0.02187	-0.01426	0.75863	-0.08935	0.05368
0.19764	-0.05512	0.2345	-0.07938	0.08663	-0.04526	0.32912	-0.05288	0.25408
0.01232	0.027081	0.55937	-0.07534	0.10395	-0.0822	0.07597	0.116083	0.01206
0.00397	0.283708	4.28E-10	0.112912	0.01463	0.117173	0.01127	0.129975	0.00491
1.56E-12	-0.3984	3.25E-19	-0.07887	0.08865	-0.01235	0.79007	-0.04406	0.34204
0.75559	0.048197	0.29864	-0.09453	0.04117	0.016959	0.71471	-0.21436	2.95E-06
0.35159	0.007517	0.8713	0.025383	0.58427	0.00105	0.98195	0.048542	0.29518
0.00211	-0.27854	9.08E-10	-0.19369	2.50E-05	-0.11272	0.01481	-0.10138	0.02848
2.07E-05	0.078665	0.0895	-0.03402	0.46326	-0.05982	0.19693	-0.00925	0.84206
0.00105	-0.21102	4.23E-06	-0.00094	0.98388	-0.05175	0.26436	-0.09989	0.03091
0.37954	-0.05465	0.23852	-0.01117	0.80976	-0.01557	0.73722	0.130282	0.0048
0.00199	0.173606	0.00016	0.09664	0.03683	0.086854	0.06073	0.09282	0.04498
0.91849	0.100356	0.03013	0.126881	0.00604	0.046036	0.32085	-0.15117	0.00105
0.88259	-0.14299	0.00195	-0.02191	0.6368	0.015809	0.7333	0.061443	0.18501
7.07E-19	0.428607	2.73E-22	-0.02574	0.57896	0.016384	0.72399	0.274002	1.73E-09
0.99489	-0.04731	0.30766	-0.01624	0.72633	-0.02533	0.5851	0.152287	0.00096
0.17086	-0.1172	0.01125	-0.01514	0.74417	-0.04481	0.33389	0.038918	0.40142
0.06614	0.036658	0.42933	-0.02295	0.62076	0.004857	0.91662	0.118821	0.01017
0.5342	-0.12307	0.00776	-0.02865	0.53677	-0.02705	0.55979	0.074768	0.1066
0.04621	0.0072	0.87668	-0.06156	0.18418	0.013317	0.7741	-0.01526	0.74226
2.68E-08	0.111475	0.01595	-0.08692	0.06054	-0.04768	0.30385	0.041105	0.37546
0.03494	-0.05332	0.25018	-0.07724	0.09547	0.007744	0.86744	0.130742	0.00466
0.03963	-0.04561	0.32532	-0.04171	0.36851	-0.03648	0.43162	0.195929	2.01E-05
0.00079	0.176934	0.00012	-0.02638	0.56958	-0.06459	0.16343	0.080642	0.08171
6.69E-11	-0.39469	7.37E-19	-0.03994	0.38915	-0.07536	0.10383	0.010895	0.81436
0.13122	-0.10557	0.02251	0.072369	0.11834	-0.01577	0.73399	0.209342	5.06E-06
0.14189	-0.06979	0.13209	-0.01593	0.73138	-0.11229	0.01519	-0.12512	0.00678
0.002	0.106031	0.02192	-0.0987	0.03298	-0.00983	0.83223	0.159315	0.00055
0.30775	-0.05106	0.27078	-0.01359	0.76963	-0.03715	0.42322	-0.06457	0.16356
0.04878	-0.17023	0.00022	0.041724	0.36831	-0.03971	0.39192	0.112373	0.01512

0.00162	0.105775	0.02225	-0.06671	0.15005	-0.08329	0.07214	0.146617	0.00149
3.57E-06	-0.33124	2.02E-13	-0.09815	0.03397	-0.11614	0.01202	0.020838	0.65333
0.14813	-0.10736	0.02031	0.004887	0.91612	-0.01932	0.67717	0.045886	0.32244
0.00124	0.266416	4.98E-09	0.150492	0.00111	0.045497	0.32656	0.0354	0.44535
2.24E-06	-0.1079	0.01969	-0.13075	0.00465	0.010632	0.81874	0.10141	0.02843
0.11214	0.082555	0.0747	0.116677	0.01163	0.088448	0.05613	0.12873	0.00534
0.85072	-0.02896	0.53237	-0.09729	0.03558	-0.13389	0.00375	-0.09139	0.04841
0.94009	0.122334	0.00813	-0.08876	0.05526	0.104748	0.02359	-0.06539	0.15832
0.09075	-0.1093	0.01814	-0.09202	0.04688	-0.0278	0.54895	0.164855	0.00035
0.49024	0.004535	0.92214	-0.06218	0.17976	-0.03948	0.39462	0.084079	0.06948
0.00028	0.149005	0.00124	0.047423	0.30647	0.091656	0.04775	0.129686	0.005
2.04E-06	-0.2059	7.26E-06	0.014969	0.74698	0.046796	0.31292	0.008145	0.86066
0.77047	0.044568	0.33654	0.011359	0.80659	-0.05911	0.20227	0.077143	0.09589
9.92E-06	0.155631	0.00074	-0.01843	0.69124	-0.03835	0.40828	0.126135	0.00634
1.46E-05	-0.28717	2.57E-10	-0.05483	0.23695	-0.04307	0.35308	0.02474	0.59383
0.23143	-0.11779	0.01085	0.001545	0.97344	-0.06523	0.15935	0.019837	0.66895
0.03243	-0.00438	0.92487	-0.01875	0.68603	0.001773	0.96953	0.110112	0.01729
0.29243	-0.11076	0.01665	0.030901	0.50532	0.048526	0.29534	0.110119	0.01729
0.0656	-0.05907	0.20263	0.042813	0.35593	0.004436	0.92383	-0.05902	0.20298
8.71E-06	-0.17389	0.00016	-0.00835	0.85723	0.017181	0.71115	0.059135	0.2021
0.73729	0.018015	0.69779	0.013116	0.77741	-0.01364	0.76877	0.047433	0.30637
0.00687	-0.16914	0.00024	-0.05061	0.27507	-0.03324	0.47361	0.018867	0.68426
0.46616	0.014697	0.75141	-0.0078	0.86645	-0.00341	0.94134	0.00376	0.93541
0.00445	-0.06424	0.16575	-0.01732	0.70895	-0.00041	0.99299	-0.01307	0.77817
0.3807	0.084991	0.06649	0.009112	0.8443	0.013855	0.76524	0.084689	0.06747
0.96903	-0.08364	0.07097	-0.01249	0.78783	-0.02528	0.58583	0.04515	0.33027
3.03E-09	0.214975	2.76E-06	-0.00765	0.86905	-0.02032	0.66133	0.026718	0.56465
3.05E-06	0.209164	5.15E-06	0.106772	0.02101	0.073026	0.11503	0.137163	0.00298
0.04401	0.164703	0.00035	0.102538	0.02671	0.081205	0.07959	0.09575	0.0386
0.04634	0.188564	4.12E-05	0.150058	0.00114	0.02141	0.64444	0.100496	0.0299
0.00023	-0.26242	8.56E-09	-0.09854	0.03325	-0.0644	0.16474	0.008313	0.85781
0.35712	-0.14707	0.00144	-0.0353	0.44665	-0.01642	0.72343	0.109028	0.01843
4.34E-05	-0.13274	0.00406	-0.01369	0.7679	0.061759	0.18276	0.135643	0.00331
0.00878	-0.13265	0.00408	0.018882	0.68401	-0.07005	0.13064	0.031763	0.49351
0.06545	-0.08549	0.0649	0.074781	0.10654	0.039798	0.39085	-0.00085	0.9854
0.01352	0.23237	3.82E-07	0.02927	0.52806	0.097014	0.0361	0.065693	0.15638
0.80929	0.000829	0.98575	-0.11309	0.01448	-0.03711	0.42363	-0.05044	0.27673
0.8159	-0.08017	0.0835	0.009752	0.83352	-0.00221	0.96198	0.134698	0.00354
8.19E-05	0.246689	6.65E-08	0.050612	0.27505	-0.0761	0.10047	0.12643	0.00622
0.00039	0.23838	1.86E-07	0.030129	0.51602	0.035634	0.44234	0.039857	0.39015
0.68748	-0.04945	0.28623	-0.11178	0.01566	-0.06909	0.13598	0.01026	0.82499
1.00E-09	0.245274	7.94E-08	-0.0251	0.58849	-0.06879	0.13771	0.220053	1.57E-06
0.57441	-0.04191	0.36621	-0.03384	0.46568	0.089754	0.05259	0.082745	0.07403
0.75096	-0.05993	0.19605	-0.01599	0.73038	-0.02151	0.64286	0.092355	0.04607
0.01118	-0.17143	0.0002	-0.02681	0.56331	-0.0275	0.55325	-0.01933	0.67691

6.66E-12	0.325486	5.50E-13	-0.02074	0.65481	0.070157	0.13005	0.230142	4.96E-07
0.05443	-0.04749	0.30577	-0.07041	0.12869	0.034831	0.45271	-0.04144	0.37161
0.01964	0.067656	0.14434	0.023911	0.60626	0.036674	0.42914	0.092684	0.0453
0.28764	-0.00836	0.85703	-0.00154	0.9736	-0.02265	0.62541	0.108213	0.01933
0.10236	0.08344	0.07163	-0.03414	0.46173	-0.03005	0.51714	-0.00973	0.83387
0.45632	0.128777	0.00532	0.169155	0.00024	0.120328	0.00925	0.053551	0.24811
0.00056	-0.22771	6.58E-07	-0.06515	0.15985	-0.02297	0.62054	0.04965	0.28429
0.9229	-0.07449	0.10792	0.041095	0.37559	-0.04795	0.30116	0.122563	0.00801
0.00729	-0.20976	4.84E-06	-0.0374	0.42004	-0.02699	0.56065	0.030355	0.51287
4.50E-06	-0.30541	1.54E-11	-0.13094	0.00459	-0.11108	0.01633	-0.16775	0.00027
0.09199	-0.11708	0.01134	-0.1651	0.00034	-0.01335	0.77349	-0.13296	0.004
0.00018	-0.14859	0.00128	-0.10664	0.02117	-0.0265	0.56777	-0.06324	0.17247
8.36E-11	0.324634	6.37E-13	0.232758	3.65E-07	0.111195	0.01622	0.204081	8.78E-06
0.02482	0.031323	0.49952	-0.05809	0.21023	-0.01416	0.76029	0.170062	0.00022
0.17646	-0.00394	0.93228	0.057063	0.21838	-0.01572	0.73475	0.136584	0.0031
0.01799	-0.20256	1.03E-05	-0.06293	0.17459	-0.04097	0.37708	0.056955	0.21926
0.00852	0.114919	0.01295	0.044031	0.3424	0.012562	0.78658	0.320166	1.36E-12
0.3636	-0.03027	0.51405	-0.0024	0.95876	0.005197	0.91082	-0.02003	0.66591
0.03284	0.124315	0.00715	0.025235	0.58648	0.031129	0.50218	0.247714	5.84E-08
0.00043	0.218218	1.93E-06	0.127515	0.00579	0.135749	0.00329	0.201594	1.13E-05
0.45294	-0.05555	0.23088	0.025447	0.58333	-0.01528	0.74185	0.136258	0.00317
0.62017	-0.05518	0.23396	0.000421	0.99276	-0.02991	0.51906	0.066014	0.15436
0.00057	0.153046	0.00091	0.053425	0.24922	0.069011	0.13646	0.131484	0.00443
0.98966	-0.02363	0.61044	0.053224	0.251	0.01298	0.77966	0.17414	0.00016
0.00586	0.059818	0.19692	-0.03972	0.3918	0.007521	0.87124	0.230898	4.54E-07
0.25495	0.05116	0.26988	0.029815	0.52041	0.05288	0.25409	0.169722	0.00023
0.0313	0.103241	0.02568	0.008355	0.8571	-0.07369	0.11176	-0.12292	0.00783
0.11453	-0.05993	0.19606	0.075495	0.10323	0.062548	0.17722	0.050141	0.27955
2.30E-10	0.326084	4.96E-13	0.001288	0.97786	0.059357	0.2004	0.162132	0.00044
3.99E-13	0.313589	4.08E-12	0.020763	0.65449	0.120309	0.00926	0.264351	6.60E-09
2.58E-09	-0.30382	1.98E-11	-0.0747	0.10693	-0.01335	0.77358	-0.02073	0.65504
0.00097	-0.23848	1.84E-07	-0.07811	0.09178	-0.08234	0.07546	0.015791	0.73359
0.21188	-0.08798	0.05744	-0.00143	0.97537	-0.0211	0.64923	0.116976	0.01141
0.67534	-0.00864	0.85236	0.020365	0.66069	-0.00425	0.92699	0.163814	0.00038
6.28E-06	-0.22474	9.27E-07	-0.02475	0.5937	-0.01362	0.76908	0.052393	0.25849
2.16E-05	0.180635	8.66E-05	-0.02602	0.57494	-0.00896	0.8468	0.218075	1.96E-06
0.83093	-0.04732	0.30752	-0.0515	0.26668	-0.01382	0.76588	0.105443	0.02267
0.31067	-0.07592	0.10127	0.005254	0.90984	-0.02022	0.66291	0.044052	0.34217
0.06776	0.04573	0.32408	0.07364	0.112	-0.03228	0.48656	0.011977	0.7963
0.61968	-0.02528	0.58587	-0.19664	1.87E-05	-0.07942	0.08647	-0.16203	0.00044
0.91501	0.003801	0.93471	-0.08704	0.06019	-0.02467	0.59495	-0.01056	0.81994
7.32E-05	0.221466	1.34E-06	-0.04013	0.38686	0.047154	0.30923	0.209169	5.15E-06
0.08909	-0.31674	2.42E-12	-0.06696	0.14853	-0.11982	0.00955	0.120065	0.0094
1.96E-09	-0.41605	5.65E-21	-0.15762	0.00063	-0.14631	0.00152	-0.11782	0.01083
0.01795	-0.22817	6.25E-07	-0.05051	0.27601	-0.05198	0.26225	0.021547	0.64233

9.14E-06	-0.32176	1.04E-12	-0.13858	0.00269	-0.09268	0.04532	-0.02991	0.51913
0.00216	-0.26418	6.76E-09	-0.07411	0.10971	-0.07358	0.11231	-0.05173	0.26456
1.70E-05	-0.37554	4.34E-17	-0.17838	0.00011	-0.16303	0.0004	-0.06694	0.14867
1.20E-11	-0.37044	1.23E-16	-0.02566	0.58022	-0.07863	0.08963	-0.08553	0.06479
0.07883	0.056781	0.22067	0.046719	0.31372	0.015242	0.74253	0.162981	0.00041
0.00098	-0.2744	1.64E-09	-0.09014	0.05156	-0.07898	0.08821	-0.00471	0.91917
0.07277	-0.14704	0.00144	-0.10405	0.02454	-0.03433	0.45928	0.011639	0.80193
0.55427	0.163383	0.00039	0.056385	0.22391	0.078135	0.09169	-0.1362	0.00319
2.79E-06	-0.26398	6.94E-09	0.013302	0.77435	-0.00188	0.96767	0.04855	0.2951
0.78159	-0.03186	0.49213	0.031727	0.49399	0.037418	0.41982	0.180191	9.02E-05
0.05285	-0.09814	0.03398	0.113582	0.01405	0.019447	0.6751	0.064977	0.16095
0.00405	0.069846	0.13177	-0.05953	0.19909	-0.01719	0.71102	0.057448	0.21529
0.03186	0.025989	0.57534	-0.06585	0.15541	-0.03171	0.49423	0.054688	0.23819
0.14372	-0.22116	1.39E-06	0.080187	0.08345	-0.07552	0.10311	-0.04678	0.31313
5.31E-13	-0.41097	1.86E-20	-0.08257	0.07466	-0.09024	0.05132	-0.04731	0.30764
3.13E-06	-0.30393	1.95E-11	-0.06652	0.1512	-0.07017	0.12998	0.020278	0.66206
0.27305	-0.01536	0.74055	-0.07349	0.11276	-0.01754	0.7054	-0.08798	0.05746
0.18497	0.049974	0.28116	-0.04615	0.31967	0.093547	0.04332	-0.08174	0.07764
0.23799	0.110064	0.01734	0.036609	0.42995	0.029682	0.52227	0.185694	5.41E-05
0.00106	-0.10014	0.03049	0.040095	0.38732	-0.04735	0.30722	0.142808	0.00198
2.99E-19	0.191184	3.20E-05	0.06065	0.19075	-0.08572	0.0642	0.12236	0.00812
0.00022	0.230679	4.66E-07	0.024043	0.60429	0.17337	0.00017	0.093307	0.04387
0.01716	-0.03147	0.49751	-0.05469	0.23817	-0.00783	0.86602	-0.09578	0.03853
0.58967	0.097074	0.03598	0.062873	0.17497	-0.01483	0.74917	0.026962	0.5611
0.55691	0.076683	0.0979	0.03672	0.42856	0.154071	0.00084	0.010378	0.82301
0.08959	-0.16996	0.00022	-0.14288	0.00197	-0.09152	0.04808	0.09604	0.03802
0.00135	-0.12071	0.00903	0.018503	0.69003	-0.01723	0.71035	-0.09914	0.03219
2.26E-09	0.197574	1.70E-05	-0.11261	0.0149	-0.07464	0.10721	0.072821	0.11606
0.07886	0.052717	0.25555	0.015252	0.74235	-0.03764	0.41703	0.207784	5.96E-06
0.00067	-0.32412	6.95E-13	-0.0361	0.43639	-0.057	0.21887	0.066282	0.15269
0.80596	0.097157	0.03582	-0.01483	0.74927	0.0619	0.18175	0.086763	0.061
0.00764	-0.24504	8.18E-08	-0.0626	0.17682	-0.10606	0.02189	0.021898	0.63692
0.01059	0.096323	0.03745	-0.197	1.80E-05	-0.02034	0.66111	0.139087	0.00259
2.87E-05	0.173329	0.00017	-0.03769	0.4164	0.02393	0.60598	0.130094	0.00487
0.27591	-0.06903	0.13637	-0.07377	0.11135	-0.11314	0.01443	0.036429	0.43223
0.89193	-0.00395	0.93223	0.024022	0.60459	0.025491	0.58268	0.014858	0.74879
0.36339	-0.0454	0.32763	0.124071	0.00727	-0.07574	0.10209	0.009518	0.83747
0.46944	-0.08178	0.07749	0.031796	0.49306	-0.05022	0.27881	0.068059	0.14196
0.94984	-0.08912	0.05428	-0.0746	0.10739	-0.06767	0.14427	0.042297	0.36177
0.00863	-0.17226	0.00018	-0.02078	0.65428	-0.04092	0.37768	0.056365	0.22408
3.75E-08	0.234915	2.82E-07	0.018796	0.68539	0.025555	0.58173	0.117351	0.01115
0.80703	-0.06426	0.16561	-0.04371	0.34594	-0.1002	0.0304	0.024268	0.6009
0.00074	0.144232	0.00178	-0.04199	0.36531	-0.00516	0.91149	-0.06885	0.13737
0.41535	-0.01928	0.67781	0.015626	0.73626	-0.0602	0.19405	0.153238	0.00089
0.65424	0.039991	0.38856	0.045977	0.32147	0.04337	0.3497	0.050639	0.2748

0.99461	0.024695	0.59451	-0.03448	0.45727	0.089203	0.05406	0.102887	0.02619
0.40694	0.128902	0.00527	0.051822	0.26372	0.149453	0.0012	-0.01139	0.80606
0.02915	0.050642	0.27476	-0.013	0.77941	-0.02809	0.54481	-0.06246	0.17781
0.73087	-0.11106	0.01635	-0.10065	0.02964	-0.13008	0.00487	-0.03287	0.4785
0.00025	-0.19754	1.71E-05	-0.11958	0.0097	-0.15577	0.00073	0.044213	0.34041
0.5688	0.073324	0.11355	0.04917	0.28898	0.034957	0.45106	-0.04946	0.28612
0.00277	-0.22422	9.84E-07	-0.05931	0.20076	-0.07149	0.1229	-0.03924	0.39758
0.31715	-0.07906	0.08791	0.013553	0.7702	-0.01859	0.68866	0.042446	0.36008
0.77539	0.169005	0.00024	0.101261	0.02867	0.053778	0.2461	-0.08376	0.07056
0.08222	0.094192	0.04189	-0.01727	0.70973	-0.05556	0.23076	0.112567	0.01494
0.49081	0.106091	0.02185	0.07839	0.09063	0.074987	0.10557	0.124022	0.00729
0.05622	-0.00529	0.90921	-0.02383	0.60756	-0.0397	0.39201	0.074848	0.10622
0.00086	-0.20121	1.18E-05	0.055124	0.23446	0.026026	0.57478	0.085031	0.06637
0.43209	0.006323	0.8916	0.09598	0.03814	0.130663	0.00468	0.083436	0.07164
0.02707	-0.19407	2.41E-05	-0.09246	0.04581	-0.05911	0.20225	0.045416	0.32742
0.0111	0.214222	2.99E-06	0.114215	0.01352	0.079234	0.0872	0.271554	2.45E-09
0.34655	-0.00346	0.9406	0.077944	0.09248	-0.0168	0.71722	0.028103	0.54464
0.07651	0.11158	0.01585	0.076279	0.09968	0.17144	0.0002	0.094651	0.0409
0.00835	-0.12922	0.00516	-0.03201	0.49015	-0.05369	0.24685	0.122117	0.00825
4.39E-06	-0.30437	1.82E-11	-0.11306	0.0145	-0.08841	0.05623	0.043932	0.34349
0.00132	0.132232	0.0042	0.085644	0.06443	-0.04125	0.37382	0.017788	0.70142
0.27214	-0.05022	0.27883	0.000322	0.99446	0.058261	0.20885	-0.09521	0.03972
0.00133	-0.15447	0.00081	-0.07973	0.08523	0.013605	0.76935	-0.02001	0.66632
1.32E-08	-0.33553	9.45E-14	-0.11313	0.01445	-0.08434	0.06861	0.092731	0.04519
0.00037	-0.28829	2.17E-10	-0.05613	0.22598	-0.07943	0.08642	0.024265	0.60095
0.00061	-0.10337	0.02549	-0.0278	0.549	0.051123	0.27023	-0.07501	0.10549
0.41912	-0.12477	0.00694	-0.03052	0.51063	-0.03607	0.43674	0.039183	0.39822
2.43E-06	0.123236	0.00767	0.042011	0.36503	0.000494	0.99151	0.063888	0.1681
0.9596	-0.07994	0.0844	-0.06115	0.1871	-0.09445	0.04134	-0.05357	0.24791
0.12221	0.175954	0.00013	0.081696	0.07779	0.052043	0.26169	0.071164	0.12461
0.82512	-0.1156	0.01242	-0.24722	6.22E-08	-0.05676	0.22085	0.010096	0.82773
0.54584	-0.00663	0.8863	0.047831	0.30232	-0.00098	0.98317	-0.07874	0.0892
0.07921	0.204138	8.73E-06	0.182798	7.09E-05	0.038894	0.40171	0.12233	0.00813
0.76337	-0.09023	0.05135	-0.06726	0.14673	-0.05251	0.25744	0.043449	0.34883
1.71E-18	0.253691	2.72E-08	0.058693	0.2055	-0.04064	0.38085	0.301133	3.03E-11
6.08E-07	0.318441	1.82E-12	0.076507	0.09867	0.026768	0.56393	0.038479	0.40676
0.02714	0.150885	0.00107	0.012749	0.78349	0.000311	0.99464	0.238766	1.77E-07
0.38034	0.095785	0.03853	0.047484	0.30586	-0.00555	0.90477	0.04724	0.30835
0.01798	-0.15061	0.0011	-0.00224	0.96148	0.003391	0.94175	0.045282	0.32885
0.03895	0.041782	0.36764	-0.03877	0.40322	-0.0246	0.59598	0.141103	0.00224
0.06776	-0.2268	7.32E-07	-0.09134	0.04853	-0.0692	0.13537	0.002829	0.95139
0.16761	0.060546	0.19152	-0.04974	0.28337	0.006258	0.89272	0.065374	0.1584
0.0032	-0.24361	9.77E-08	-0.02499	0.59017	-0.03653	0.43094	0.124941	0.00686
0.65189	0.012944	0.78026	0.026837	0.56292	0.023761	0.60852	0.029265	0.52814
4.53E-06	0.191239	3.18E-05	-0.06577	0.15591	0.013533	0.77053	0.082888	0.07353

0.51012	0.097222	0.0357	0.148258	0.00131	-0.00897	0.84667	0.299141	4.14E-11
4.23E-07	0.256147	1.97E-08	-0.04272	0.35696	0.059384	0.2002	0.035602	0.44276
0.18413	-0.14427	0.00177	-0.0222	0.63232	-0.02194	0.63631	0.073271	0.11381
0.1346	-0.17023	0.00022	-0.09137	0.04846	-0.09641	0.03727	0.124437	0.00709
0.00076	-0.20334	9.47E-06	-0.06333	0.17185	-0.01916	0.67969	0.068043	0.14206
0.02491	0.116948	0.01143	-0.0275	0.55332	0.032895	0.47823	0.10322	0.02571
0.11268	-0.07116	0.12462	0.107469	0.02018	0.017865	0.70019	0.059307	0.20078
3.06E-11	-0.28707	2.60E-10	0.051961	0.26245	-0.00225	0.9614	-0.02466	0.59503
2.46E-20	-0.5334	1.08E-35	-0.09427	0.04172	-0.13157	0.0044	-0.09156	0.04798
3.90E-06	0.12142	0.00862	-0.0777	0.09353	0.026764	0.56399	0.265436	5.69E-09
0.31105	0.079803	0.08495	0.181336	8.12E-05	0.02952	0.52455	0.025946	0.57597
0.45089	-0.10641	0.02145	-0.02683	0.56309	-0.02594	0.576	0.071339	0.12369
0.19431	0.149165	0.00123	-0.04167	0.36891	0.079243	0.08716	0.150173	0.00113
0.63331	0.110297	0.01711	0.121959	0.00833	0.093652	0.04309	0.100741	0.0295
0.00107	0.18418	6.23E-05	-0.01594	0.73109	0.025554	0.58174	0.228687	5.88E-07
0.03972	-0.10563	0.02244	-0.10921	0.01824	-0.07732	0.09513	-0.06409	0.16673
0.00023	0.252288	3.26E-08	0.440916	1.24E-23	0.062807	0.17543	0.154942	0.00078
0.01466	0.17698	0.00012	-0.03928	0.39706	0.025196	0.58705	0.112555	0.01495
0.09318	0.171558	0.0002	-0.0955	0.03911	0.060481	0.192	0.125747	0.00651
0.85928	-0.10687	0.02089	-0.03593	0.43859	-0.03858	0.40556	0.069607	0.13309
0.00467	-0.20383	9.01E-06	-0.03482	0.45287	-0.0336	0.46883	0.039217	0.39781
4.96E-11	0.241365	1.29E-07	0.070824	0.12643	-0.01604	0.72963	0.177451	0.00012
0.9669	-0.09541	0.03931	-0.04181	0.36734	-0.01774	0.70215	0.052496	0.25755
0.00131	-0.21239	3.65E-06	-0.18472	5.93E-05	-0.01378	0.76654	-0.02842	0.54018
2.68E-05	0.295233	7.59E-11	0.070797	0.12657	0.163397	0.00039	-0.00872	0.85094
0.02	-0.09831	0.03367	-0.036	0.43764	-0.03452	0.45672	-0.04161	0.36961
0.00553	-0.15417	0.00083	-0.01006	0.8284	0.036281	0.43409	-0.17952	9.59E-05
0.00429	0.204785	8.16E-06	0.137878	0.00283	0.065931	0.15488	0.192251	2.88E-05
3.92E-06	0.119103	0.00999	0.072121	0.11961	0.037407	0.41996	0.17088	0.00021
0.0006	0.23813	1.92E-07	-0.04453	0.33695	0.041632	0.36937	0.074119	0.10968
0.21197	-0.07756	0.09412	0.022659	0.62526	0.02188	0.63719	0.119524	0.00973
0.01349	-0.14902	0.00124	-0.05787	0.21192	-0.03665	0.42945	0.079359	0.0867
0.87544	-0.08537	0.06528	-0.00315	0.94583	-0.12144	0.00861	0.15093	0.00107
0.93571	0.037785	0.41528	0.050162	0.27934	-0.00199	0.96577	0.011739	0.80026
0.90151	0.011816	0.79897	0.008581	0.85327	0.044268	0.33981	0.002332	0.95992
0.13005	0.026327	0.57037	0.037027	0.4247	0.025361	0.58459	0.05534	0.23263
0.08859	0.019255	0.67812	-0.11453	0.01326	-0.12429	0.00716	0.148115	0.00133
0.13634	-0.08687	0.06068	0.087366	0.05922	-0.02197	0.63585	-0.02378	0.6082
0.12446	0.097543	0.03509	0.128975	0.00525	0.038047	0.41205	0.016958	0.71473
0.00077	-0.22549	8.51E-07	-0.03174	0.49377	-0.02991	0.51901	0.039862	0.39008
0.0917	0.075371	0.10379	0.285212	3.43E-10	0.034319	0.45939	-0.00957	0.83654
0.00562	0.02092	0.65205	0.037036	0.42458	-0.01099	0.81279	0.089366	0.05362
2.81E-06	-0.28221	5.33E-10	-0.04298	0.35402	-0.04417	0.34091	0.054214	0.24228
0.95261	-0.00335	0.94246	-0.09514	0.03987	-0.01594	0.73113	0.000978	0.98318
0.99786	0.08903	0.05453	-0.05049	0.27619	0.038155	0.41072	-0.03558	0.44303

6.82E-05	0.219621	1.65E-06	0.017174	0.71127	0.090373	0.05097	0.061089	0.18756
0.01177	-0.18758	4.52E-05	-0.06006	0.19512	-0.04977	0.28313	0.017299	0.70925
1.31E-05	-0.22023	1.54E-06	-0.09089	0.04966	-0.03876	0.40328	0.037036	0.42459
4.77E-05	-0.24443	8.83E-08	-0.00795	0.86391	-0.0242	0.60193	0.032874	0.4785
1.86E-06	-0.322	9.99E-13	-0.06904	0.1363	-0.03874	0.40362	0.057501	0.21486
0.2176	0.043777	0.3452	0.028965	0.53237	0.046436	0.31666	0.025474	0.58294
5.87E-10	0.28846	2.12E-10	0.018232	0.69433	0.025992	0.57529	0.247435	6.05E-08
8.65E-09	-0.36808	1.98E-16	-0.00374	0.93582	-0.08329	0.07215	-0.03584	0.43965
9.81E-06	-0.27982	7.55E-10	-0.05823	0.20907	-0.08504	0.06633	-0.04755	0.30518
0.08988	0.181999	7.63E-05	-0.02215	0.63312	0.095884	0.03833	0.037257	0.42183
1.26E-06	0.196284	1.94E-05	-0.02729	0.55629	0.011918	0.79729	0.139969	0.00243
0.00287	-0.00143	0.9754	0.028035	0.54562	-0.01872	0.68651	0.114012	0.01369
0.58006	0.029936	0.51871	0.073242	0.11396	0.028681	0.5364	0.147887	0.00135
0.36365	-0.03537	0.4457	0.071784	0.12135	0.061126	0.18729	0.1807	8.61E-05
0.04401	-0.17801	0.00011	-0.03254	0.48297	-0.04413	0.34132	-0.00977	0.8332
5.97E-08	-0.33834	5.70E-14	-0.13979	0.00246	-0.08539	0.06523	-0.06083	0.18947
0.27554	-0.04444	0.33794	0.034329	0.45925	-0.03918	0.3982	0.101043	0.02901
0.18268	-0.13347	0.00386	0.062155	0.17996	0.095591	0.03893	0.101635	0.02808
0.76874	-0.01275	0.78342	0.057541	0.21454	0.038006	0.41255	0.135918	0.00325
5.18E-07	-0.2408	1.38E-07	-0.03023	0.51455	0.068273	0.14071	-0.00101	0.98267
0.56702	0.02965	0.52271	0.022497	0.62772	0.045906	0.32222	0.084681	0.0675
0.02391	-0.00582	0.90022	0.013471	0.77155	-0.08309	0.07284	0.182437	7.33E-05
9.40E-10	0.339538	4.59E-14	-0.01411	0.76104	-0.0141	0.76118	0.001022	0.98243
0.47362	0.115186	0.01274	0.265564	5.59E-09	0.036808	0.42745	0.042372	0.36091
0.37416	-0.03873	0.4037	-0.07312	0.11458	-0.05009	0.28004	0.005795	0.9006
0.00173	-0.18676	4.89E-05	-0.00713	0.87793	-0.02169	0.64019	0.026345	0.57011
0.0062	0.161201	0.00047	0.031313	0.49965	0.02202	0.63504	0.019641	0.67204
0.91368	-0.05913	0.20215	-0.00864	0.85235	-0.02797	0.54653	0.070698	0.1271
0.52004	-0.112	0.01546	-0.10722	0.02048	-0.03078	0.50702	0.013942	0.76379
0.1266	0.023134	0.61803	-0.01076	0.81667	-0.02322	0.61665	0.142535	0.00202
0.00287	-0.11902	0.01005	-0.01779	0.70136	-0.05873	0.20518	0.107816	0.01978
2.65E-09	0.099096	0.03227	0.024908	0.59133	-0.0358	0.44017	0.030942	0.50475
0.02461	0.232589	3.72E-07	0.07096	0.1257	0.091821	0.04735	-0.07442	0.10825
0.48562	-0.03369	0.46767	-0.01351	0.77099	0.054782	0.23738	0.015253	0.74234
0.13666	-0.11873	0.01023	0.08458	0.06783	-0.02447	0.59789	0.04947	0.28604
0.63599	-0.06512	0.16006	0.052458	0.2579	-0.11906	0.01002	0.024109	0.60328
2.69E-32	0.465341	1.80E-26	-0.00619	0.89392	0.067509	0.14522	0.249594	4.60E-08
0.40683	-0.1108	0.0166	-0.13061	0.0047	-0.08976	0.05258	0.051537	0.26636
0.06371	-0.01183	0.79874	0.039293	0.3969	-0.06974	0.13233	0.052457	0.25791
0.39218	0.08485	0.06695	0.090773	0.04995	0.05374	0.24643	0.090989	0.0494
0.37831	-0.12821	0.00553	-0.01094	0.8136	-0.07423	0.10916	0.051053	0.27088
0.00016	-0.19569	2.05E-05	0.062311	0.17887	-0.02401	0.60477	0.005752	0.90134
1.14E-05	-0.18442	6.10E-05	-0.01362	0.76912	0.02309	0.61869	0.098475	0.03338
0.29311	-0.11939	0.00981	-0.01527	0.742	0.059142	0.20204	0.11879	0.01019
0.00325	-0.2342	3.07E-07	0.007268	0.87552	-0.04711	0.30971	0.061556	0.1842

0.92204	0.093775	0.04281	0.151499	0.00102	0.076018	0.10085	0.014162	0.76018
0.89896	-0.03686	0.42681	0.090556	0.0505	-0.01175	0.8001	0.049815	0.2827
6.07E-07	-0.33055	2.28E-13	-0.06841	0.13989	-0.0681	0.14172	-0.02698	0.56092
0.02417	0.132078	0.00425	0.052547	0.2571	0.007204	0.87661	0.207473	6.16E-06
6.53E-13	0.346075	1.38E-14	-0.12602	0.00639	0.017729	0.70236	0.104214	0.02431
0.00029	-0.24942	4.71E-08	-0.03664	0.42954	-0.03202	0.49008	0.200165	1.31E-05
0.04487	0.133351	0.00389	0.117507	0.01104	-0.00156	0.97325	0.112267	0.01521
0.40481	0.044694	0.33518	0.031976	0.49062	-0.0253	0.58545	0.088904	0.05487
0.00399	-0.09475	0.04068	0.001987	0.96584	-0.0546	0.23898	0.040815	0.37884
0.00056	-0.19304	2.67E-05	-0.03414	0.46173	-0.08692	0.06052	0.102085	0.02739
0.10612	0.011505	0.80416	-0.02493	0.59101	0.019129	0.68011	-0.06835	0.14026
0.52108	-0.0853	0.06551	-0.00675	0.88435	-0.0222	0.63231	0.163831	0.00038
0.02589	-0.08656	0.06163	0.061757	0.18277	0.01012	0.82734	-0.06968	0.13269
0.55785	-0.04229	0.36184	0.100692	0.02958	-0.00877	0.85009	-0.06579	0.15578
5.92E-08	0.274159	1.70E-09	0.018679	0.68724	0.020016	0.66616	0.281543	5.88E-10
0.00025	-0.23933	1.66E-07	-0.06812	0.14163	-0.01071	0.81753	0.043484	0.34844
1.84E-06	-0.27024	2.94E-09	-0.20402	8.83E-06	-0.12573	0.00652	0.042117	0.36382
0.05038	0.111146	0.01627	0.017416	0.70738	0.010528	0.82049	0.247701	5.85E-08
0.00095	0.173074	0.00017	-0.0828	0.07383	-0.002	0.96563	-0.05976	0.19734
0.24853	-0.04413	0.34137	-0.10929	0.01815	-0.07172	0.12169	0.062548	0.17722
0.00557	-0.15902	0.00056	0.00838	0.85668	-0.0196	0.67263	0.052533	0.25722
0.00199	-0.21538	2.64E-06	-0.02224	0.63162	-0.01274	0.78365	0.125674	0.00654
0.07336	0.088441	0.05615	-0.00431	0.92599	0.043162	0.35202	0.191957	2.97E-05
0.03046	-0.15707	0.00066	-0.04802	0.30041	-0.01329	0.77448	0.005699	0.90224
4.01E-15	0.313492	4.15E-12	-0.00189	0.96746	0.021839	0.63783	0.150566	0.0011
0.4103	-0.10589	0.0221	-0.03046	0.51141	-0.03754	0.41831	0.072103	0.11971
3.39E-14	0.453819	4.19E-25	0.026822	0.56315	0.007038	0.87943	0.141995	0.0021
1.27E-06	0.309443	8.05E-12	-0.03137	0.49887	-0.00062	0.9893	0.106468	0.02138
0.70832	0.092916	0.04476	0.095206	0.03973	0.032398	0.4849	0.087668	0.05835
3.61E-11	0.344781	1.76E-14	0.021976	0.63572	0.103389	0.02547	0.296457	6.28E-11
0.0102	0.044283	0.33965	0.0281	0.54469	-0.02716	0.55824	0.177013	0.00012
0.00144	0.113359	0.01424	-0.1031	0.02588	-0.01486	0.74883	-0.0599	0.19631
1.78E-07	-0.30189	2.69E-11	-0.11319	0.01439	-0.08867	0.05551	-0.15237	0.00096
0.00179	-0.21271	3.52E-06	-0.03982	0.39058	-0.04614	0.31975	0.103597	0.02517
8.93E-10	0.336911	7.37E-14	0.07362	0.1121	0.024037	0.60437	0.176752	0.00012
0.17679	-0.04397	0.34305	0.071041	0.12527	0.041643	0.36924	0.053302	0.25031
1.58E-05	0.145921	0.00157	0.070659	0.12732	0.00828	0.85836	0.050184	0.27914
0.63508	-0.00709	0.87855	-0.00072	0.9877	-0.0023	0.96055	0.146537	0.0015
0.00044	-0.18853	4.13E-05	0.057585	0.21419	-0.10627	0.02163	-0.08375	0.07058
6.88E-13	0.416224	5.43E-21	0.138493	0.00271	0.082327	0.07551	0.280119	7.23E-10
0.30713	-0.147	0.00144	-0.16087	0.00048	-0.11365	0.014	0.027204	0.55759
3.13E-09	-0.28665	2.77E-10	-0.09042	0.05085	-0.03617	0.43549	0.094778	0.04063
0.06097	-0.08392	0.07002	0.064674	0.16292	-0.00792	0.86443	-0.00938	0.83979
0.06428	-0.17595	0.00013	-0.05549	0.23134	-0.07128	0.124	-0.04619	0.31918
0.56911	0.048449	0.29611	-0.0881	0.05711	0.011197	0.80931	0.151116	0.00105



0.43006	-0.04218	0.36306	0.182768	7.11E-05	0.023666	0.60997	-0.05742	0.21552
5.72E-05	0.229688	5.23E-07	0.02898	0.53215	0.052462	0.25786	0.331658	1.88E-13
0.88083	0.020925	0.65197	0.120011	0.00943	-0.01523	0.74275	0.119189	0.00994
0.00013	0.228843	5.78E-07	0.083217	0.07239	0.056023	0.2269	0.176948	0.00012
0.38789	-0.17351	0.00016	-0.09944	0.03167	-0.066	0.15447	0.138436	0.00272
0.80538	0.024479	0.59773	0.035369	0.44575	0.062815	0.17537	0.05172	0.26466
0.02841	-0.08679	0.06093	0.080806	0.08109	-0.02372	0.60915	0.067548	0.14498
0.23589	0.022832	0.62261	0.054533	0.23952	-0.00889	0.84808	-0.11909	0.01
0.43881	0.066495	0.15137	0.169087	0.00024	0.03062	0.50919	0.005114	0.91224
0.88927	0.061382	0.18545	-0.08074	0.08132	0.001549	0.97337	-0.00027	0.99542
0.00312	0.27532	1.44E-09	0.163354	0.00039	0.058707	0.20538	0.201668	1.13E-05
0.59961	0.083945	0.06992	0.101173	0.02881	0.033676	0.46783	-0.00624	0.89296
0.23301	-0.0763	0.09959	-0.01438	0.75661	-0.01499	0.74669	0.212647	3.55E-06
0.24521	0.029489	0.52498	0.003737	0.93581	-0.01335	0.77349	0.111576	0.01585
0.06888	0.185546	5.48E-05	0.18928	3.84E-05	0.11641	0.01182	-0.15383	0.00085
2.79E-06	-0.26548	5.66E-09	-0.04716	0.30922	-0.04482	0.33376	0.005352	0.90817
0.04201	-0.16926	0.00024	-0.00402	0.93097	-0.03773	0.41595	0.04784	0.30224
0.07768	0.15633	0.0007	0.05724	0.21695	0.138238	0.00276	0.143827	0.00183
0.0023	-0.26151	9.68E-09	-0.02685	0.56273	-0.02081	0.65368	0.059321	0.20067
0.4505	0.04215	0.36344	0.018139	0.69582	-0.04354	0.34787	-0.00216	0.9628
3.30E-07	-0.29083	1.48E-10	0.000831	0.98572	-0.11786	0.01081	-0.0078	0.86657
0.00907	-0.11403	0.01368	0.048865	0.29198	0.001714	0.97053	0.089872	0.05227
1.07E-06	0.330043	2.49E-13	-0.06996	0.13114	0.084957	0.0666	0.03556	0.4433
0.99726	-0.05529	0.23306	-0.12053	0.00913	-0.12247	0.00806	0.010762	0.81657
1.81E-05	-0.26383	7.08E-09	-0.05682	0.22037	-0.0448	0.33401	0.025769	0.57857
0.17161	0.026141	0.5731	-0.02525	0.58618	-0.02135	0.64543	0.202319	1.05E-05
2.62E-06	-0.20592	7.25E-06	-0.04214	0.36359	-0.01063	0.81876	0.005944	0.89807
7.48E-15	0.422564	1.19E-21	0.009095	0.84459	0.024117	0.60317	0.067457	0.14553
0.00036	0.193428	2.57E-05	0.018957	0.68284	0.035086	0.4494	0.111682	0.01575
0.56061	-0.01309	0.77782	-0.03533	0.44626	-0.01219	0.79276	0.1004	0.03006
0.23449	-0.10527	0.0229	-0.03058	0.50982	-0.02028	0.66204	0.110198	0.01721
0.10726	-0.09496	0.04023	-0.02363	0.61055	0.004971	0.91468	0.057987	0.211
0.01672	0.027189	0.55782	-0.05114	0.27005	-0.03147	0.49757	0.146489	0.0015
1.22E-06	-0.19954	1.40E-05	-0.04421	0.34046	-0.02569	0.5798	0.066297	0.15259
1.56E-09	0.283417	4.47E-10	0.068079	0.14185	0.117196	0.01126	0.170358	0.00022
0.31724	-0.11442	0.01336	-0.02089	0.65245	0.003337	0.94267	0.163063	0.0004
0.01586	-0.17469	0.00015	0.063718	0.16924	0.019191	0.67914	0.038748	0.40348
0.06231	-0.18174	7.82E-05	-0.01881	0.68511	-0.02704	0.56003	0.090133	0.05159
0.12702	-0.05019	0.27904	-0.00485	0.91676	-0.02337	0.61437	0.029327	0.52726
3.35E-07	0.155003	0.00078	0.005417	0.90707	0.031138	0.50205	-0.03001	0.51763
8.77E-05	-0.26108	1.02E-08	-0.00932	0.84074	-0.04688	0.31202	-0.02458	0.59618
2.05E-07	0.207373	6.23E-06	-0.00756	0.87055	0.09427	0.04172	0.272638	2.10E-09
0.36968	0.012338	0.7903	-0.02135	0.64536	0.034966	0.45095	0.154635	0.0008
0.52892	-0.12069	0.00904	0.094612	0.04098	-0.03963	0.39287	-0.01735	0.70848
0.39193	0.013895	0.76457	-0.01815	0.69557	-0.01952	0.6739	0.093813	0.04273

0.11193	0.14097	0.00226	0.091949	0.04704	-0.02885	0.53402	-0.06859	0.13887
7.98E-14	-0.43918	1.92E-23	-0.12435	0.00714	-0.15501	0.00078	-0.1487	0.00127
0.76309	0.082261	0.07574	0.147319	0.00141	-0.00705	0.8792	0.121221	0.00873
0.06947	0.116236	0.01195	0.125302	0.0067	-0.0042	0.92781	-0.00217	0.96266
0.05433	0.010891	0.81442	-0.00753	0.87114	-0.02862	0.53722	0.003169	0.94554
0.05785	-0.04459	0.33629	0.169607	0.00023	0.067218	0.14696	0.102268	0.02711
0.36037	0.057498	0.21488	-0.08884	0.05505	-0.03632	0.43361	0.02835	0.54112
0.00012	-0.20673	6.66E-06	-0.00872	0.85097	-0.06378	0.1688	-0.07918	0.0874
8.37E-05	-0.28133	6.07E-10	-0.08342	0.0717	-0.02545	0.58335	0.053623	0.24747
0.52302	-0.07553	0.10305	-0.02029	0.66189	-0.01346	0.77173	0.039778	0.39109
3.78E-06	0.328992	3.00E-13	0.068501	0.13938	0.081466	0.07863	0.041749	0.36803
0.04536	0.073812	0.11116	-0.05344	0.24904	-0.02219	0.63238	0.021308	0.64603
8.59E-06	0.215318	2.66E-06	0.044229	0.34024	0.096585	0.03693	0.244431	8.83E-08
0.00034	0.205023	7.96E-06	0.027074	0.55948	-0.02861	0.53747	0.041993	0.36523
1.43E-10	0.335758	9.07E-14	0.023573	0.61137	0.087654	0.05839	-0.00095	0.98362
8.98E-06	0.222822	1.15E-06	-0.07847	0.09031	-0.02049	0.65867	0.074353	0.10856
7.36E-09	0.319321	1.57E-12	0.045141	0.33036	0.0265	0.56785	0.25764	1.62E-08
3.83E-10	-0.34367	2.16E-14	-0.19025	3.50E-05	-0.04811	0.29954	-0.17767	0.00011
3.22E-10	0.336422	8.05E-14	0.07167	0.12195	0.14295	0.00196	0.242723	1.09E-07
0.41835	-0.08873	0.05536	-0.04776	0.30309	-0.00434	0.92552	0.077328	0.0951
0.02381	0.033622	0.46856	-0.02659	0.56654	-0.00821	0.85949	0.161057	0.00048
1.52E-07	-0.25376	2.69E-08	-0.09958	0.03143	-0.04616	0.31951	0.004847	0.91679
0.89782	0.048266	0.29794	-0.11214	0.01533	0.08346	0.07156	0.002162	0.96283
1.89E-06	0.357349	1.64E-15	0.095518	0.03908	0.117364	0.01114	0.067515	0.14518
0.00544	-0.07047	0.12834	0.064237	0.16578	0.036353	0.43319	0.044612	0.33606
0.31023	0.108555	0.01895	0.017918	0.69935	0.043901	0.34383	0.19712	1.78E-05
0.73229	-0.07125	0.12417	-0.02626	0.57129	0.025893	0.57674	0.063804	0.16866
0.89897	0.041024	0.37641	0.175817	0.00013	0.559094	9.37E-40	0.02132	0.64584
0.00253	0.227896	6.45E-07	0.007379	0.87364	0.096582	0.03694	0.265058	5.99E-09
6.33E-44	0.527616	7.95E-35	0.030712	0.50793	0.082531	0.07479	0.088049	0.05726
3.96E-12	0.22477	9.24E-07	-0.07968	0.08541	-0.03897	0.40077	0.049713	0.28367
1.61E-20	0.310403	6.88E-12	0.02317	0.61748	0.013755	0.76688	0.052069	0.26145
1.22E-12	0.138846	0.00264	-0.00744	0.87262	-0.01046	0.82167	0.112264	0.01522
1.12E-48	0.56367	1.62E-40	0.046588	0.31507	0.125534	0.0066	0.233783	3.23E-07
0.00118	0.044757	0.3345	-0.09044	0.05078	-0.04137	0.37237	0.027981	0.5464
8.10E-15	0.250124	4.30E-08	-0.03147	0.49752	0.088018	0.05734	-0.03345	0.47084
0.05999	-0.03632	0.43358	-0.0664	0.15197	0.000541	0.9907	-0.08366	0.0709
8.63E-16	0.222374	1.21E-06	-0.04643	0.31675	-0.02005	0.66568	-0.03566	0.44199
0.00739	-0.03387	0.46527	-0.05006	0.28035	-0.0089	0.84789	-0.08087	0.08084
0.00774	0.041705	0.36853	0.011214	0.80902	0.096808	0.0365	0.143147	0.00193
2.10E-52	0.562433	2.62E-40	0.014034	0.76228	0.069463	0.1339	0.125996	0.0064
4.34E-20	0.262049	9.00E-09	-0.00667	0.88567	0.011025	0.81217	-0.02692	0.56166
4.12E-39	0.455533	2.64E-25	0.018691	0.68705	0.12665	0.00613	0.153618	0.00087
5.60E-17	0.267664	4.19E-09	-0.07667	0.09794	0.024398	0.59896	0.152365	0.00096
8.62E-12	0.264036	6.89E-09	0.031671	0.49476	0.07121	0.12437	0.111387	0.01603

1.60E-13	0.212081	3.77E-06	-0.08164	0.07801	0.043944	0.34336	0.022099	0.63384
6.45E-06	0.082379	0.07533	-0.02826	0.54246	0.031179	0.50149	0.10225	0.02714
0.04058	-0.07609	0.10052	-0.0839	0.07006	-0.11991	0.0095	0.007206	0.87659
9.41E-21	0.334645	1.11E-13	-0.02088	0.6527	0.114739	0.0131	0.175095	0.00014
2.93E-09	0.083112	0.07276	-0.09091	0.04961	0.048707	0.29355	0.102285	0.02709
4.94E-10	0.276552	1.21E-09	0.047108	0.3097	0.105387	0.02275	0.208115	5.76E-06
0.00031	-0.04546	0.327	-0.06627	0.15276	-0.0583	0.20858	0.110518	0.01688
0.11893	-0.05594	0.22757	-0.13765	0.00287	-0.04524	0.32926	-0.06417	0.16623
1.15E-35	0.428439	2.85E-22	0.114489	0.0133	0.052367	0.25873	0.118955	0.01009
2.15E-12	0.146843	0.00146	-0.07578	0.10195	0.019144	0.67987	0.043339	0.35004
5.12E-31	0.41279	1.22E-20	0.059992	0.19562	0.06629	0.15264	0.016762	0.71788
1.50E-31	0.3102	7.11E-12	-0.01441	0.75606	0.005192	0.9109	0.069237	0.13518
4.89E-49	0.536905	3.16E-36	0.044634	0.33583	0.127538	0.00578	0.152229	0.00097
3.54E-15	0.235209	2.72E-07	-0.04408	0.34184	0.081927	0.07695	0.080084	0.08385
3.37E-29	0.493277	5.23E-30	0.086829	0.06081	0.18145	8.03E-05	0.142148	0.00208
0.74018	-0.13181	0.00433	-0.08608	0.06308	-0.06099	0.18829	-0.20872	5.40E-06
1.08E-24	0.358693	1.26E-15	-0.02963	0.52303	0.02819	0.5434	0.141162	0.00223
4.10E-09	0.293416	1.00E-10	-0.08745	0.05898	-0.05926	0.20114	0.077458	0.09454
4.93E-06	0.192439	2.83E-05	-0.02436	0.59951	0.132899	0.00401	0.019846	0.66882
3.39E-16	0.274339	1.65E-09	-0.03474	0.45388	0.007838	0.86585	-0.07419	0.10935
1.10E-30	0.423361	9.84E-22	0.01937	0.67631	0.077413	0.09474	0.096139	0.03782
3.41E-06	0.104389	0.02407	-0.1129	0.01465	0.044829	0.33372	0.010471	0.82145
2.27E-23	0.326053	4.99E-13	-0.02272	0.6244	0.029533	0.52436	0.04231	0.36162
1.15E-06	0.04905	0.29016	-0.03829	0.40901	-0.06533	0.15867	-0.10355	0.02524
3.03E-14	0.203514	9.31E-06	-0.053	0.25298	0.005435	0.90675	-0.02586	0.57723
0.13723	-0.03944	0.39512	-0.12683	0.00606	0.053929	0.24477	0.078514	0.09012
1.27E-19	0.367234	2.34E-16	-0.03201	0.49016	0.091267	0.04871	0.105043	0.02319
1.70E-12	0.217476	2.10E-06	-0.05286	0.25428	0.017931	0.69913	-0.00934	0.84048
5.62E-15	0.269629	3.20E-09	-0.02605	0.57442	-0.00115	0.98028	0.006148	0.89459
1.42E-36	0.412755	1.23E-20	0.003834	0.93414	0.046366	0.3174	0.116121	0.01203
1.13E-39	0.506449	8.61E-32	0.03321	0.47402	0.091858	0.04726	0.274726	1.56E-09
1.79E-15	0.292799	1.10E-10	0.003649	0.93731	0.070455	0.12842	0.077133	0.09594
0.00088	0.134693	0.00354	-0.05903	0.20288	-0.02758	0.55213	-0.11678	0.01155
3.30E-05	0.216355	2.37E-06	0.152614	0.00094	0.177622	0.00011	0.310936	6.31E-12
0.00899	0.174791	0.00015	0.108137	0.01942	0.122298	0.00815	0.179257	9.82E-05
5.31E-05	0.173653	0.00016	0.063422	0.17123	0.064265	0.1656	0.271	2.64E-09
0.00495	0.141034	0.00225	0.070575	0.12777	0.168192	0.00026	0.149745	0.00117
0.00264	0.144269	0.00177	0.092959	0.04466	0.092979	0.04462	0.189637	3.71E-05
0.00049	0.152022	0.00098	0.075173	0.10471	0.080516	0.08219	0.283883	4.18E-10
0.06927	0.147814	0.00136	0.14188	0.00212	0.173134	0.00017	0.127121	0.00594
0.00058	0.248516	5.28E-08	0.114439	0.01334	0.140322	0.00237	0.285827	3.14E-10
0.00011	0.167503	0.00028	0.127963	0.00562	0.148974	0.00124	0.206806	6.61E-06
0.0042	0.173276	0.00017	0.147738	0.00137	0.188963	3.96E-05	0.220402	1.51E-06
0.30431	-0.05556	0.23076	0.023955	0.60561	0.001154	0.98016	-0.03691	0.4262
0.00257	0.166629	0.0003	0.089651	0.05286	0.111054	0.01636	0.158671	0.00058

0.00572	0.155915	0.00072	0.187127	4.72E-05	0.215233	2.68E-06	0.296465	6.28E-11
0.25136	0.089305	0.05378	0.104409	0.02404	0.168298	0.00026	0.195638	2.07E-05
0.00371	0.204178	8.69E-06	0.152589	0.00094	0.169832	0.00023	0.285068	3.51E-10
1.37E-07	0.244264	9.01E-08	0.062052	0.18068	0.073146	0.11443	0.238566	1.82E-07
7.00E-10	0.281367	6.03E-10	0.095677	0.03875	0.098688	0.03299	0.235148	2.74E-07
5.01E-05	0.20894	5.28E-06	0.154572	0.0008	0.149704	0.00118	0.342402	2.72E-14
0.02266	0.168855	0.00025	0.115351	0.01262	0.124337	0.00714	0.173996	0.00016
0.14447	0.120248	0.00929	0.088062	0.05722	0.1062	0.02171	0.166216	0.00031
0.48444	0.077963	0.09241	0.241993	1.19E-07	0.201132	1.19E-05	0.198008	1.63E-05
0.01525	0.143935	0.00182	0.154161	0.00083	0.182776	7.10E-05	0.323698	7.48E-13
0.00436	0.215436	2.62E-06	0.147655	0.00137	0.176047	0.00013	0.189718	3.68E-05
0.00314	0.133571	0.00383	0.149415	0.0012	0.181838	7.75E-05	0.239156	1.69E-07
0.09116	0.184694	5.94E-05	0.12411	0.00725	0.147669	0.00137	0.163253	0.0004
1.10E-06	0.273021	1.99E-09	0.141501	0.00218	0.182442	7.33E-05	0.311156	6.09E-12
0.00126	0.183098	6.90E-05	0.142799	0.00198	0.166291	0.00031	0.261045	1.03E-08
2.58E-10	0.363465	4.95E-16	0.206424	6.88E-06	0.167723	0.00027	0.173359	0.00017
0.00021	0.211971	3.82E-06	0.554781	4.77E-39	0.189464	3.78E-05	0.272829	2.05E-09
0.35491	0.024697	0.59448	0.102189	0.02723	0.117769	0.01086	0.172818	0.00017
0.15497	0.107377	0.02029	0.209239	5.11E-06	0.08805	0.05725	0.177278	0.00012
0.02648	0.181158	8.25E-05	0.138378	0.00273	0.07752	0.09428	0.174604	0.00015
0.57687	0.087947	0.05755	0.10209	0.02738	0.178204	0.00011	0.205039	7.95E-06
0.00012	0.191863	2.99E-05	0.155518	0.00075	0.170723	0.00021	0.322599	9.02E-13
4.15E-06	0.246656	6.68E-08	0.223875	1.02E-06	0.074824	0.10634	0.131551	0.0044
0.00736	0.092147	0.04657	0.086323	0.06233	0.106944	0.0208	0.101537	0.02823
8.96E-07	0.213961	3.08E-06	0.095013	0.04013	0.129887	0.00493	0.27242	2.17E-09
0.00013	0.109432	0.018	0.089054	0.05446	0.057882	0.21183	0.260278	1.14E-08
0.00045	0.185348	5.59E-05	0.102256	0.02713	0.142373	0.00204	0.241291	1.30E-07
6.33E-08	0.319764	1.46E-12	0.124697	0.00698	0.119866	0.00952	0.175912	0.00013
3.69E-05	0.235068	2.77E-07	0.1504	0.00111	0.177613	0.00011	0.32863	3.19E-13
0.00069	0.204203	8.67E-06	0.14687	0.00146	0.180479	8.78E-05	0.25578	2.07E-08
0.64097	0.095663	0.03878	0.092772	0.0451	0.123824	0.00738	0.11328	0.01431
0.00076	0.185301	5.61E-05	0.203765	9.07E-06	0.171507	0.0002	0.252157	3.31E-08
0.00077	0.152218	0.00097	0.162478	0.00042	0.161802	0.00045	0.306669	1.26E-11
0.03667	0.096611	0.03688	0.158298	0.0006	0.149861	0.00116	0.252299	3.25E-08
0.04868	0.122287	0.00816	0.121801	0.00842	0.145957	0.00156	0.177486	0.00012
0.01324	0.174943	0.00014	0.201376	1.16E-05	0.228725	5.86E-07	0.249167	4.86E-08
0.0044	0.226419	7.65E-07	0.127156	0.00593	0.107038	0.02069	0.11899	0.01006
0.21373	0.141103	0.00224	0.218965	1.78E-06	0.125344	0.00668	0.070265	0.12945
0.00049	0.2009	1.22E-05	0.175176	0.00014	0.212256	3.70E-06	0.303018	2.25E-11
0.00018	0.211898	3.85E-06	0.18573	5.39E-05	0.150955	0.00107	0.232935	3.57E-07
0.04062	0.093619	0.04316	0.144308	0.00177	0.14977	0.00117	0.184385	6.11E-05
7.09E-09	0.370573	1.20E-16	0.206792	6.62E-06	0.216619	2.30E-06	0.317021	2.31E-12
0.84514	-0.00307	0.9473	0.061191	0.18682	0.061784	0.18258	0.06824	0.1409
0.03597	0.118459	0.0104	0.114473	0.01331	0.127766	0.00569	0.212185	3.73E-06
0.32474	0.066129	0.15364	0.200927	1.21E-05	0.250622	4.03E-08	0.20919	5.14E-06

3.10E-06	0.264337	6.61E-09	0.189293	3.84E-05	0.198278	1.59E-05	0.3943	8.03E-19
0.00503	0.187331	4.63E-05	0.244139	9.15E-08	0.252471	3.18E-08	0.294551	8.42E-11
0.00292	0.121148	0.00878	0.137143	0.00298	0.067716	0.14398	0.106832	0.02094
0.99679	0.035982	0.4379	0.042644	0.35784	0.025123	0.58814	-0.01047	0.82146
0.03105	-0.05997	0.19582	-0.01414	0.76058	-0.03069	0.50821	-0.07136	0.12358
0.01005	0.160724	0.00049	0.122216	0.00819	0.135698	0.0033	0.282095	5.43E-10
9.22E-05	0.220322	1.53E-06	0.203349	9.47E-06	0.221208	1.38E-06	0.360201	9.40E-16
2.93E-05	0.20183	1.11E-05	0.183396	6.71E-05	0.198196	1.60E-05	0.210671	4.39E-06
0.98684	0.003947	0.93221	0.072341	0.11849	0.077709	0.09347	0.108408	0.01911
0.42968	0.213063	3.39E-06	0.128506	0.00542	0.182552	7.25E-05	0.112338	0.01515
2.89E-05	0.285896	3.10E-10	0.195781	2.04E-05	0.2219	1.28E-06	0.31485	3.32E-12
0.72773	0.126084	0.00637	0.109816	0.0176	0.11417	0.01356	0.170273	0.00022
0.00333	0.138729	0.00266	0.087109	0.05997	0.115582	0.01244	0.175032	0.00014
0.26584	0.094851	0.04047	0.046837	0.3125	0.03917	0.39838	0.176922	0.00012
1.42E-05	0.227304	6.90E-07	0.155695	0.00073	0.204985	7.99E-06	0.30698	1.20E-11
0.83843	0.056601	0.22214	0.224694	9.32E-07	0.17347	0.00017	0.205224	7.80E-06
0.20837	0.070735	0.12691	0.157234	0.00065	0.116686	0.01162	0.263426	7.48E-09
0.00012	0.178882	0.0001	0.125021	0.00683	0.183805	6.46E-05	0.255452	2.16E-08
3.70E-05	0.22021	1.55E-06	0.139768	0.00247	0.153771	0.00086	0.33268	1.57E-13
3.75E-05	0.218929	1.78E-06	0.148098	0.00133	0.166531	0.0003	0.29645	6.29E-11
0.32448	0.095123	0.0399	0.082154	0.07613	0.12039	0.00921	0.170776	0.00021
0.06283	0.145503	0.00162	0.13924	0.00256	0.186641	4.94E-05	0.196758	1.85E-05
6.38E-05	0.211711	3.93E-06	0.106909	0.02085	0.141004	0.00226	0.216275	2.39E-06
0.14097	0.13602	0.00323	0.10588	0.02212	0.265272	5.82E-09	0.254903	2.32E-08
0.00084	0.092882	0.04484	0.079818	0.08489	0.095379	0.03937	0.181497	8.00E-05
0.0037	0.142523	0.00202	0.611706	2.84E-49	0.140662	0.00231	0.236656	2.29E-07
0.07016	0.099431	0.03169	0.177899	0.00011	0.173315	0.00017	0.22152	1.34E-06
0.00163	0.232297	3.85E-07	0.266167	5.15E-09	0.172081	0.00019	0.253876	2.65E-08
3.23E-05	0.219483	1.68E-06	0.101533	0.02824	0.061131	0.18725	0.125349	0.00668
3.08E-05	0.244204	9.08E-08	0.36066	8.60E-16	0.11461	0.0132	0.284272	3.94E-10
0.17043	0.095281	0.03957	0.133839	0.00376	0.154154	0.00083	0.174671	0.00015
0.81052	0.083437	0.07164	0.133131	0.00395	0.084509	0.06806	0.052744	0.25531
0.39848	-0.02018	0.66363	0.059515	0.19921	0.101318	0.02858	0.14015	0.0024
0.01354	0.178635	0.0001	0.104189	0.02434	0.144723	0.00171	0.216322	2.38E-06
0.00062	0.17895	0.0001	0.13004	0.00488	0.15761	0.00063	0.281354	6.04E-10
0.00885	0.151961	0.00099	0.124371	0.00713	0.12989	0.00493	0.232322	3.84E-07
0.4882	0.03458	0.45597	0.05911	0.20229	0.079903	0.08456	0.062574	0.17704
0.38977	0.005411	0.90716	0.022699	0.62465	0.066423	0.15182	0.009125	0.84408
0.02643	0.131532	0.00441	0.12207	0.00827	0.154917	0.00078	0.246847	6.52E-08
0.08528	0.063218	0.17262	0.137428	0.00292	0.140598	0.00232	0.23632	2.38E-07
0.11244	0.143832	0.00183	0.116869	0.01149	0.182541	7.26E-05	0.157092	0.00066
0.63413	0.090135	0.05159	0.09695	0.03622	0.14427	0.00177	0.115863	0.01223
0.35167	0.08834	0.05644	0.124639	0.007	0.14068	0.00231	0.150131	0.00114
0.9416	0.019005	0.68206	0.070116	0.13028	0.08816	0.05694	0.197888	1.65E-05
0.00401	0.184635	5.97E-05	0.116352	0.01186	0.183206	6.83E-05	0.173513	0.00016

0.02031	0.130872	0.00461	0.228966	5.69E-07	0.189538	3.75E-05	0.256559	1.87E-08
0.08143	0.082903	0.07348	0.149049	0.00124	0.145215	0.00165	0.327323	4.01E-13
0.00024	0.217361	2.12E-06	0.172524	0.00018	0.179194	9.88E-05	0.238697	1.79E-07
0.00763	0.191358	3.14E-05	0.093475	0.04348	0.437324	3.09E-23	0.20043	1.28E-05
0.26717	0.100059	0.03062	0.149528	0.00119	0.191208	3.19E-05	0.204966	8.01E-06
0.00451	0.098454	0.03341	0.077329	0.09509	0.053339	0.24998	0.204481	8.42E-06
0.01441	0.201498	1.14E-05	0.155007	0.00078	0.197718	1.68E-05	0.255676	2.10E-08
0.00048	0.157105	0.00066	0.094932	0.0403	0.102972	0.02607	0.271753	2.38E-09
0.09023	-0.08065	0.08167	0.068111	0.14166	0.103034	0.02598	0.133284	0.00391
0.00012	0.211846	3.87E-06	0.162149	0.00043	0.195863	2.02E-05	0.352684	4.00E-15
0.00274	0.168129	0.00026	0.128598	0.00538	0.147613	0.00138	0.225349	8.65E-07
0.00278	0.213054	3.40E-06	0.144568	0.00173	0.179764	9.38E-05	0.086101	0.06301
0.08086	0.089416	0.05348	0.130556	0.00472	0.14448	0.00175	0.181988	7.64E-05
0.04311	0.134276	0.00365	0.144411	0.00176	0.311584	5.68E-12	0.204936	8.03E-06
0.00011	0.189378	3.81E-05	0.144564	0.00174	0.169748	0.00023	0.28506	3.51E-10
0.03205	-0.04468	0.33534	0.025252	0.58622	0.060556	0.19144	-0.00563	0.90347
0.00389	0.171977	0.00019	0.145936	0.00157	0.186175	5.17E-05	0.23915	1.69E-07
0.06926	0.093649	0.04309	0.165816	0.00032	0.167728	0.00027	0.247409	6.07E-08
0.10106	0.111875	0.01557	0.143809	0.00184	0.181324	8.13E-05	0.218335	1.91E-06
0.28121	0.0928	0.04503	0.106521	0.02132	0.179083	9.98E-05	0.197895	1.65E-05
0.25257	0.073754	0.11145	0.149782	0.00117	0.205202	7.81E-06	0.148654	0.00127
0.00084	0.17052	0.00021	0.136954	0.00302	0.183854	6.43E-05	0.202204	1.07E-05
2.13E-06	0.270672	2.77E-09	0.17462	0.00015	0.191628	3.06E-05	0.499283	8.22E-31
0.00062	0.22917	5.56E-07	0.052699	0.25571	0.068774	0.13781	0.127585	0.00576
0.00034	0.203475	9.34E-06	0.12761	0.00575	0.141308	0.00221	0.335857	8.91E-14
0.02458	0.159471	0.00054	0.152484	0.00095	0.181561	7.95E-05	0.243588	9.80E-08
0.67594	0.049043	0.29023	0.062664	0.17641	0.108527	0.01898	0.136002	0.00323
0.00099	0.246615	6.71E-08	0.170485	0.00021	0.197942	1.64E-05	0.322853	8.64E-13
0.01197	0.115212	0.01272	0.118643	0.01028	0.119371	0.00982	0.295515	7.26E-11
0.01892	0.099435	0.03168	0.052828	0.25455	0.076676	0.09793	0.215116	2.72E-06
0.977	0.074146	0.10955	0.072213	0.11914	0.108666	0.01883	0.183445	6.68E-05
0.20246	0.152587	0.00094	0.139419	0.00253	0.138136	0.00278	0.270173	2.96E-09
0.31615	0.115277	0.01267	0.122753	0.00792	0.172342	0.00018	0.218476	1.88E-06
0.00142	0.199	1.48E-05	0.191467	3.11E-05	0.21164	3.96E-06	0.353001	3.77E-15
0.22364	0.098339	0.03362	0.152211	0.00097	0.150208	0.00113	0.13357	0.00383
0.1423	-0.00877	0.85015	0.034383	0.45854	0.025601	0.58106	0.134165	0.00368
0.0005	0.187055	4.75E-05	0.145934	0.00157	0.165102	0.00034	0.300563	3.32E-11
0.02085	0.110038	0.01737	0.125386	0.00667	0.097702	0.03479	0.214293	2.97E-06
0.71286	0.052285	0.25947	0.118469	0.0104	0.150594	0.0011	0.180165	9.04E-05
0.13996	0.111299	0.01612	0.128614	0.00538	0.144757	0.00171	0.184558	6.02E-05
0.06578	0.163775	0.00038	0.176317	0.00013	0.11928	0.00988	0.227296	6.91E-07
0.40594	0.064895	0.16148	0.15101	0.00106	0.169583	0.00023	0.087836	0.05786
0.65543	0.047875	0.30188	0.16855	0.00025	0.158734	0.00058	0.171497	0.0002
0.00011	0.244027	9.28E-08	0.133925	0.00374	0.144275	0.00177	0.355855	2.18E-15
0.08204	0.139573	0.0025	0.114621	0.01319	0.150582	0.0011	0.217904	2.00E-06

0.06488	0.113815	0.01386	0.111969	0.01549	0.145457	0.00162	0.160792	0.00049
0.51331	0.019413	0.67564	0.136695	0.00308	0.202591	1.02E-05	0.060164	0.19434
0.11285	0.165856	0.00032	0.116749	0.01157	0.175549	0.00014	0.197327	1.75E-05
0.03539	0.156324	0.0007	0.132296	0.00418	0.178464	0.00011	0.222501	1.20E-06
0.01177	0.177665	0.00011	0.142842	0.00197	0.182947	6.99E-05	0.198478	1.56E-05
0.02367	0.135685	0.0033	0.133572	0.00383	0.158337	0.00059	0.214231	2.99E-06
2.92E-05	0.200424	1.28E-05	0.14254	0.00202	0.164143	0.00037	0.295363	7.44E-11
0.51528	0.071285	0.12397	0.165661	0.00032	0.179226	9.85E-05	0.185623	5.44E-05
0.0039	0.161319	0.00047	0.165706	0.00032	0.190291	3.49E-05	0.277707	1.02E-09
0.06313	0.11246	0.01504	0.171033	0.0002	0.199607	1.39E-05	0.218865	1.80E-06
0.00044	0.127248	0.00589	0.083327	0.07202	0.154014	0.00084	0.149221	0.00122
0.00056	0.190085	3.56E-05	0.14643	0.00151	0.184931	5.81E-05	0.262371	8.62E-09
0.02653	0.133629	0.00382	0.095619	0.03887	0.114428	0.01335	0.189159	3.89E-05
0.00219	0.168194	0.00026	0.167083	0.00029	0.146287	0.00152	0.222597	1.18E-06
0.36282	0.030934	0.50486	0.047861	0.30202	0.088606	0.05569	-0.00287	0.95066
0.00018	0.225726	8.28E-07	0.15121	0.00105	0.183235	6.81E-05	0.296038	6.70E-11
0.65033	0.047009	0.31072	0.13562	0.00332	0.160472	0.0005	0.236244	2.41E-07
0.00039	0.179263	9.81E-05	0.154636	0.0008	0.167562	0.00028	0.34834	9.07E-15
0.0018	0.159557	0.00054	0.125268	0.00672	0.159025	0.00056	0.285655	3.22E-10
0.00042	0.178726	0.0001	0.143671	0.00185	0.173565	0.00016	0.265368	5.74E-09
0.05104	0.109346	0.01809	0.136706	0.00307	0.141376	0.0022	0.190645	3.37E-05
3.00E-06	0.281437	5.97E-10	0.156606	0.00068	0.185099	5.72E-05	0.328685	3.16E-13
0.10623	0.093177	0.04416	0.12038	0.00922	0.178291	0.00011	0.173125	0.00017
0.00132	0.189717	3.69E-05	0.160656	0.00049	0.168122	0.00026	0.306792	1.23E-11
0.04856	0.140446	0.00235	0.119818	0.00955	0.130479	0.00474	0.153952	0.00084
0.09766	0.118613	0.0103	0.120538	0.00912	0.204939	8.03E-06	0.208123	5.75E-06
0.00039	0.187742	4.45E-05	0.204459	8.44E-06	0.253514	2.78E-08	0.301954	2.67E-11
0.03216	0.166751	0.0003	0.206398	6.90E-06	0.199102	1.46E-05	0.278173	9.57E-10
0.07988	0.156161	0.00071	0.135658	0.00331	0.12276	0.00791	0.108655	0.01884
0.00012	0.244108	9.19E-08	0.147436	0.0014	0.157343	0.00064	0.297629	5.24E-11
0.00286	0.182524	7.27E-05	0.139362	0.00254	0.176694	0.00012	0.230772	4.61E-07
0.40394	0.06253	0.17734	0.132242	0.0042	0.144157	0.00179	0.171277	0.0002
0.13492	0.088747	0.05531	0.163228	0.0004	0.167897	0.00027	0.181097	8.30E-05
0.00198	0.193662	2.51E-05	0.14318	0.00192	0.170978	0.00021	0.277386	1.07E-09
0.01231	0.158857	0.00057	0.131745	0.00435	0.166924	0.00029	0.242966	1.06E-07
0.00036	0.217495	2.09E-06	0.187109	4.73E-05	0.192216	2.89E-05	0.29204	1.24E-10
0.04597	0.134023	0.00371	0.148624	0.00128	0.178076	0.00011	0.188934	3.97E-05
0.00039	0.211428	4.05E-06	0.151815	0.001	0.171328	0.0002	0.355774	2.22E-15
0.03047	0.132928	0.00401	0.127611	0.00575	0.157398	0.00064	0.230581	4.71E-07
1.92E-05	0.236176	2.43E-07	0.143014	0.00195	0.153492	0.00088	0.345941	1.42E-14
0.00502	0.134402	0.00362	0.073944	0.11052	0.098923	0.03258	0.23365	3.28E-07
0.02264	0.141228	0.00222	0.128626	0.00537	0.208306	5.64E-06	0.213188	3.35E-06
0.07936	0.09013	0.0516	0.113622	0.01402	0.146107	0.00155	0.196771	1.85E-05
0.4518	-0.02549	0.58273	0.065946	0.15478	0.067593	0.14472	0.112679	0.01484
0.18181	0.111362	0.01606	0.113552	0.01408	0.160105	0.00051	0.196395	1.92E-05

0.00426	0.168434	0.00026	0.135055	0.00345	0.160993	0.00048	0.275284	1.45E-09
0.00049	0.212625	3.56E-06	0.148065	0.00133	0.175149	0.00014	0.301984	2.65E-11
0.11299	0.11348	0.01414	0.15156	0.00102	0.111857	0.01559	0.166263	0.00031
0.01182	0.13608	0.00321	0.079393	0.08656	0.099146	0.03219	0.267554	4.26E-09
0.01844	0.181037	8.34E-05	0.135087	0.00345	0.158945	0.00057	0.29839	4.66E-11
0.41911	0.037712	0.41618	0.104465	0.02397	0.115633	0.0124	0.129195	0.00517
0.12206	0.123811	0.00739	0.112276	0.0152	0.140784	0.00229	0.195343	2.13E-05
0.00355	0.164586	0.00035	0.139929	0.00244	0.176598	0.00012	0.231512	4.23E-07
0.00042	0.174858	0.00015	0.115747	0.01231	0.144211	0.00178	0.22875	5.84E-07
0.02076	0.107494	0.02015	0.136832	0.00305	0.156058	0.00071	0.231605	4.18E-07
7.52E-05	0.178155	0.00011	0.134354	0.00363	0.171282	0.0002	0.260749	1.07E-08
0.09714	0.115194	0.01274	0.146689	0.00148	0.168435	0.00026	0.232347	3.83E-07
0.00043	0.174846	0.00015	0.168414	0.00026	0.187243	4.67E-05	0.334325	1.17E-13
6.22E-05	0.203241	9.57E-06	0.160932	0.00048	0.186312	5.10E-05	0.349589	7.18E-15
0.00021	0.188403	4.18E-05	0.142182	0.00207	0.169575	0.00023	0.275241	1.45E-09
0.00202	0.185553	5.48E-05	0.125655	0.00655	0.126199	0.00632	0.259247	1.31E-08
0.00673	0.153931	0.00085	0.138815	0.00264	0.176056	0.00013	0.24104	1.34E-07
0.42205	0.050137	0.27959	0.069338	0.1346	0.107288	0.02039	0.073336	0.11349
0.00013	0.196557	1.89E-05	0.141062	0.00225	0.174302	0.00015	0.320005	1.40E-12
0.00057	0.176417	0.00013	0.170953	0.00021	0.174208	0.00015	0.290151	1.64E-10
0.08858	0.151209	0.00105	0.171594	0.00019	0.176573	0.00013	0.202441	1.04E-05
0.73978	0.078761	0.08911	0.150114	0.00114	0.18348	6.65E-05	0.215974	2.47E-06
0.76038	0.064735	0.16252	0.091937	0.04707	0.126334	0.00626	0.166671	0.0003
0.14181	0.088596	0.05572	0.176742	0.00012	0.194239	2.37E-05	0.200471	1.27E-05
0.0048	0.212228	3.71E-06	0.123076	0.00775	0.20629	6.98E-06	0.201825	1.11E-05
0.10425	0.100037	0.03066	0.118461	0.0104	0.151214	0.00105	0.234132	3.10E-07
0.00054	0.203159	9.66E-06	0.179637	9.49E-05	0.222512	1.19E-06	0.240822	1.38E-07
0.49977	0.068916	0.137	0.11923	0.00991	0.120091	0.00939	0.11397	0.01373
0.00415	0.144	0.00181	0.139677	0.00248	0.173067	0.00017	0.243036	1.05E-07
0.00204	0.114828	0.01303	0.065382	0.15835	0.110069	0.01734	0.191332	3.15E-05
0.02215	0.125905	0.00644	0.187015	4.77E-05	0.132279	0.00419	0.159575	0.00054
0.01084	0.160304	0.00051	0.155139	0.00077	0.197092	1.79E-05	0.255044	2.28E-08
0.05748	0.123256	0.00766	0.114843	0.01302	0.14858	0.00128	0.191559	3.08E-05
1.07E-06	0.251776	3.48E-08	0.128411	0.00545	0.236674	2.28E-07	0.440742	1.29E-23
0.02547	0.184061	6.30E-05	0.339956	4.26E-14	0.201573	1.14E-05	0.124852	0.0069
0.00217	0.154925	0.00078	0.124668	0.00699	0.149418	0.0012	0.292666	1.12E-10
0.74501	0.059343	0.20051	0.129801	0.00496	0.109215	0.01823	0.211112	4.19E-06
0.00804	0.153949	0.00084	0.183715	6.51E-05	0.19186	3.00E-05	0.256104	1.98E-08
0.01948	0.142495	0.00202	0.299559	3.88E-11	0.097775	0.03466	0.107869	0.01972
0.00044	0.172209	0.00018	0.112306	0.01518	0.114467	0.01332	0.236269	2.40E-07
0.61256	0.075737	0.10212	0.117257	0.01122	0.137738	0.00286	0.080535	0.08212
0.00116	0.215647	2.56E-06	0.081837	0.07727	0.110015	0.01739	0.272166	2.24E-09
0.00032	0.208413	5.58E-06	0.185664	5.42E-05	0.176187	0.00013	0.296164	6.57E-11
0.60737	0.007902	0.86476	0.036304	0.43381	0.026745	0.56426	0.019913	0.66777
0.03623	0.144212	0.00178	0.10923	0.01821	0.080691	0.08152	0.071455	0.12308



0.01582	0.13474	0.00353	0.238506	1.83E-07	0.212694	3.53E-06	0.184315	6.16E-05
0.0003	0.16544	0.00033	0.135145	0.00343	0.160024	0.00052	0.216722	2.28E-06
0.09413	0.128923	0.00527	0.146063	0.00155	0.137577	0.00289	0.18822	4.25E-05
0.00458	0.151478	0.00102	0.106249	0.02165	0.128889	0.00528	0.224709	9.30E-07
0.12446	0.082606	0.07452	0.141655	0.00215	0.131405	0.00445	0.229859	5.13E-07
9.86E-06	0.225247	8.75E-07	0.453978	4.01E-25	0.139247	0.00256	0.272751	2.07E-09
6.59E-07	0.195888	2.02E-05	0.118053	0.01067	0.258277	1.49E-08	0.283095	4.69E-10
0.02232	0.140622	0.00232	0.144391	0.00176	0.16041	0.0005	0.241492	1.27E-07
0.09663	0.085987	0.06336	0.113364	0.01424	0.141867	0.00212	0.142732	0.00199
0.03534	0.181312	8.14E-05	0.110309	0.01709	0.126596	0.00615	0.207127	6.39E-06
0.07317	0.12889	0.00528	0.159741	0.00053	0.175953	0.00013	0.238034	1.94E-07
0.38559	0.032194	0.48765	0.09229	0.04623	0.112805	0.01473	0.072269	0.11886
0.19597	0.071766	0.12145	0.142551	0.00201	0.144265	0.00177	0.195479	2.10E-05
0.00557	0.135836	0.00327	0.08959	0.05302	0.081879	0.07712	0.181652	7.88E-05
0.91667	0.071597	0.12233	0.101864	0.02773	0.107554	0.02008	0.043507	0.34819
0.36282	0.030934	0.50486	0.047861	0.30202	0.088606	0.05569	-0.00287	0.95066
0.00089	0.200001	1.33E-05	0.148663	0.00127	0.170383	0.00022	0.260925	1.05E-08
6.76E-05	0.187674	4.48E-05	0.151731	0.001	0.156084	0.00071	0.227622	6.65E-07
0.00046	0.154814	0.00079	0.137767	0.00285	0.140819	0.00229	0.244494	8.76E-08
7.63E-05	0.191513	3.10E-05	0.130904	0.0046	0.132024	0.00426	0.237945	1.96E-07
0.08898	0.07594	0.1012	0.131114	0.00454	0.139439	0.00253	0.15709	0.00066
0.00011	0.180117	9.08E-05	0.119498	0.00975	0.137301	0.00295	0.181324	8.13E-05
8.25E-06	0.253357	2.84E-08	0.099148	0.03218	0.173254	0.00017	0.188982	3.95E-05
0.10851	0.138804	0.00265	0.062538	0.17729	0.071513	0.12277	0.104013	0.02459
0.01111	0.118697	0.01025	0.133614	0.00382	0.150231	0.00113	0.232326	3.84E-07
9.05E-06	0.160233	0.00051	0.084287	0.06879	0.102614	0.02659	0.286174	2.98E-10
0.00125	0.172318	0.00018	0.14393	0.00182	0.198248	1.59E-05	0.228705	5.87E-07
0.01976	-0.12581	0.00648	-0.06844	0.13972	-0.03083	0.50636	-0.13352	0.00384
0.83668	-0.02396	0.60556	-0.02046	0.65923	-0.03265	0.48155	-0.12173	0.00846
0.65962	0.020339	0.66109	-0.01094	0.81361	0.003136	0.94612	-0.19437	2.34E-05
0.00181	0.201981	1.09E-05	0.045196	0.32977	-0.02368	0.60974	0.011294	0.80768
1.59E-12	-0.34965	7.10E-15	-0.04176	0.36789	-0.07746	0.09454	-0.20519	7.83E-06
1.83E-12	-0.32587	5.15E-13	-0.05294	0.25351	-0.04502	0.3317	-0.15453	0.00081
0.93894	-0.01463	0.75252	0.06947	0.13386	0.046885	0.312	-0.00659	0.88701
9.26E-09	-0.24754	5.97E-08	0.017845	0.70051	-0.06486	0.16174	-0.20179	1.11E-05
0.12955	0.182984	6.97E-05	0.164875	0.00035	-0.03875	0.40342	-0.08191	0.07701
0.08701	-0.15333	0.00089	0.031594	0.49581	-0.02295	0.6208	-0.06272	0.17604
7.44E-05	-0.22476	9.25E-07	-0.00983	0.83229	-0.08392	0.07001	-0.15918	0.00056
1.64E-05	-0.22336	1.09E-06	-0.02045	0.65934	0.005105	0.91239	-0.25536	2.19E-08
0.12789	0.092202	0.04644	0.081336	0.07911	-0.01907	0.68102	-0.07038	0.12883
9.72E-06	-0.20638	6.91E-06	-0.04001	0.38828	-0.05057	0.27542	-0.20716	6.36E-06
0.11995	0.107177	0.02053	0.038317	0.40874	-0.0192	0.67891	-0.06482	0.16194
0.00189	-0.10191	0.02766	-0.00738	0.87364	-0.07573	0.10214	-0.11623	0.01195
0.00113	0.091158	0.04898	-0.05334	0.24993	-0.00179	0.96917	-0.0744	0.10832
0.51494	0.004394	0.92456	0.043328	0.35017	-0.03254	0.48295	-0.16948	0.00023

0.5905	0.008576	0.85336	-0.02245	0.62847	-0.04036	0.38417	0.038835	0.40243
8.15E-07	-0.1565	0.00069	0.009	0.84619	-0.02386	0.60705	-0.07724	0.09549
0.03794	-0.10559	0.02249	-0.04703	0.3105	-0.07983	0.08483	-0.04963	0.28444
0.01727	-0.13157	0.0044	-0.04271	0.35711	-0.07311	0.11463	-0.04824	0.29816
4.53E-11	-0.22043	1.51E-06	0.061689	0.18325	-0.03966	0.39247	-0.19024	3.51E-05
7.18E-05	0.14737	0.00141	0.001994	0.96572	0.042709	0.35711	0.004137	0.92896
0.01801	-0.09486	0.04045	0.188105	4.30E-05	0.078642	0.0896	-0.07634	0.09943
0.00035	-0.12847	0.00543	0.219188	1.73E-06	0.060589	0.1912	-0.16524	0.00034
7.66E-06	-0.21152	4.01E-06	0.038692	0.40416	-0.03684	0.42705	-0.17558	0.00014
0.00142	-0.08566	0.06439	0.212231	3.71E-06	0.026783	0.56371	-0.22653	7.55E-07
0.13703	-0.06395	0.1677	-0.02548	0.58289	-0.01716	0.71147	-0.22887	5.76E-07
0.43381	0.042481	0.35968	0.013695	0.76786	0.045669	0.32473	-0.05937	0.2003
0.00296	-0.14355	0.00187	0.027719	0.55016	-0.14057	0.00233	-0.12282	0.00788
0.06162	-0.11359	0.01404	-0.0383	0.409	0.006669	0.88572	-0.15651	0.00069
0.0007	-0.04753	0.30534	0.040462	0.38298	0.024571	0.59636	-0.16783	0.00027
5.24E-17	-0.3369	7.40E-14	0.007992	0.86325	-0.04249	0.35962	-0.20048	1.27E-05
0.00902	-0.13185	0.00431	-0.0501	0.27991	-0.02907	0.53085	-0.21788	2.00E-06
0.55894	-0.00164	0.97187	-0.00769	0.8684	0.056612	0.22205	-0.17207	0.00019
0.08721	-0.09367	0.04305	-0.00532	0.90876	-0.0555	0.2313	-0.08717	0.05978
1.43E-05	-0.23219	3.90E-07	0.018031	0.69754	-0.05118	0.26967	-0.28756	2.42E-10
0.21572	-0.03724	0.4221	0.058096	0.21015	0.019438	0.67523	-0.07437	0.10847
0.11397	0.075371	0.10379	0.006665	0.88578	-0.02888	0.53353	-0.12708	0.00596
0.11382	0.098924	0.03258	0.050046	0.28046	0.128138	0.00555	-0.07196	0.12042
6.96E-05	-0.15691	0.00067	0.016188	0.72715	0.055285	0.23309	-0.16268	0.00042
0.00207	-0.12944	0.00508	-0.00851	0.85454	-0.02771	0.55035	-0.21629	2.39E-06
8.74E-12	-0.35309	3.70E-15	-0.01276	0.78324	-0.01507	0.7454	-0.23386	3.20E-07
0.71445	0.124229	0.00719	0.018885	0.68397	-0.01433	0.75748	-0.1323	0.00418
1.75E-10	-0.30666	1.26E-11	0.001623	0.9721	-0.03836	0.40819	-0.1625	0.00042
0.00021	-0.15424	0.00083	-0.02166	0.64058	-0.00403	0.93071	-0.17614	0.00013
0.36585	0.009525	0.83734	0.043128	0.3524	-0.01914	0.67995	0.00703	0.87957
9.92E-06	-0.25048	4.11E-08	-0.03518	0.44816	0.042076	0.36428	-0.19607	1.98E-05
0.00044	0.227424	6.81E-07	-0.04742	0.30648	0.029508	0.52472	-0.06263	0.17665
1.39E-06	-0.24683	6.53E-08	0.047403	0.30667	0.003912	0.93281	-0.19059	3.39E-05
4.35E-07	-0.2334	3.38E-07	0.00951	0.8376	-0.03546	0.44458	-0.15787	0.00062
0.6853	0.034003	0.46352	0.308322	9.65E-12	0.072718	0.11658	0.012811	0.78245
0.01631	0.089478	0.05332	0.006138	0.89476	0.004232	0.92732	-0.09219	0.04647
0.4605	-0.03373	0.46708	0.02544	0.58343	-0.0149	0.74814	-0.17034	0.00022
1.12E-16	-0.35979	1.02E-15	-0.06725	0.14679	-0.07879	0.08898	-0.25959	1.25E-08
0.2778	0.084186	0.06912	0.009266	0.8417	0.055684	0.22973	-0.11102	0.01639
0.01986	0.131873	0.00431	0.02707	0.55954	0.021522	0.64272	-0.04363	0.34683
0.26735	-0.02848	0.53929	-0.04948	0.28598	-0.1137	0.01396	-0.07557	0.1029
0.71095	-0.07316	0.11434	0.032052	0.48958	-0.02271	0.62453	-0.15092	0.00107
0.00029	-0.15593	0.00072	0.013107	0.77756	-0.05219	0.26036	-0.28235	5.23E-10
2.21E-09	0.252095	3.34E-08	0.196163	1.96E-05	-0.03114	0.50209	0.042751	0.35663
1.41E-11	-0.35774	1.52E-15	-0.04361	0.34703	-0.04817	0.29894	-0.21767	2.05E-06

5.01E-05	-0.20324	9.58E-06	-0.01484	0.74908	-0.05565	0.23003	-0.23586	2.52E-07
1.15E-05	-0.2023	1.05E-05	-0.01989	0.66806	-0.06527	0.15909	-0.26575	5.45E-09
0.09327	0.086785	0.06094	0.201745	1.12E-05	-0.0228	0.62309	-0.14119	0.00223
1.46E-18	-0.44443	4.98E-24	-0.03706	0.4243	-0.07953	0.08603	-0.22603	8.00E-07
3.64E-15	-0.32085	1.21E-12	0.021761	0.63903	0.082548	0.07473	-0.23903	1.72E-07
0.1598	-0.02014	0.66421	0.042436	0.36019	-0.0376	0.4176	-0.09232	0.04615
0.33781	-0.01965	0.67193	0.176435	0.00013	-0.02449	0.59754	-0.12431	0.00715
1.01E-10	0.298097	4.87E-11	-0.00695	0.88095	0.062688	0.17625	0.042634	0.35795
1.69E-06	-0.18946	3.78E-05	0.066927	0.14873	-0.03724	0.4221	-0.25211	3.33E-08
0.00587	-0.17034	0.00022	-0.04139	0.37216	-0.04375	0.3455	-0.17739	0.00012
6.82E-25	-0.47339	1.86E-27	-0.04031	0.38478	-0.03787	0.41427	-0.17165	0.00019
3.40E-05	-0.20555	7.54E-06	-0.01774	0.70212	-0.06911	0.13589	-0.20315	9.66E-06
0.46965	-0.09132	0.04858	0.029859	0.51978	-0.08063	0.08174	-0.0936	0.04319
0.4186	-0.05049	0.27623	-0.01503	0.74605	-0.04132	0.37301	-0.10239	0.02693
0.04531	0.117271	0.01121	0.079432	0.08641	0.022524	0.62732	0.031631	0.4953
0.36592	-0.04396	0.34317	-0.00735	0.87418	-0.04001	0.38838	-0.14813	0.00133
0.21544	-0.08025	0.08319	-0.00299	0.94861	-0.04403	0.34244	-0.17568	0.00014
0.11218	-0.06591	0.15502	0.018194	0.69495	-0.03797	0.413	-0.16965	0.00023
0.0048	-0.15218	0.00097	0.0413	0.3732	-0.02787	0.548	-0.15671	0.00068
1.53E-07	-0.27011	2.99E-09	-0.02819	0.54341	-0.05553	0.231	-0.21697	2.21E-06
0.33083	-0.08065	0.08167	0.006467	0.88914	-0.07008	0.13049	-0.14757	0.00138
7.40E-16	-0.35487	2.64E-15	-0.07344	0.11297	-0.01493	0.74769	-0.30036	3.42E-11
0.00076	0.173862	0.00016	0.040548	0.38197	0.019166	0.67952	-0.03876	0.40335
0.00021	-0.19753	1.71E-05	0.03929	0.39693	-0.00922	0.84243	-0.13861	0.00268
0.93909	0.036087	0.43657	0.074086	0.10984	0.061188	0.18684	0.116779	0.01155
0.0151	0.003377	0.94198	-0.02216	0.63296	-0.10414	0.02441	-0.19944	1.41E-05
0.03384	0.022983	0.62032	-0.04896	0.29105	-0.06373	0.16917	0.037802	0.41506
7.78E-15	-0.3498	6.90E-15	-0.01493	0.74759	-0.09444	0.04136	-0.2453	7.92E-08
0.01618	0.193155	2.64E-05	0.063764	0.16893	0.092512	0.0457	-0.10017	0.03044
0.00922	-0.11174	0.0157	-0.00195	0.96653	-0.02221	0.63208	-0.201	1.20E-05
0.00208	0.229808	5.16E-07	0.063706	0.16932	0.077457	0.09455	-0.1086	0.0189
3.31E-05	-0.22395	1.01E-06	0.029566	0.5239	-0.02479	0.5931	-0.18806	4.32E-05
0.0003	0.218867	1.80E-06	0.082919	0.07342	-0.03501	0.45042	0.106973	0.02077
0.30469	0.076795	0.09741	0.085487	0.06492	-0.0053	0.90908	0.007523	0.8712
0.77553	0.035437	0.44488	0.151964	0.00099	-0.02882	0.5345	-0.00837	0.8569
0.01708	0.158667	0.00058	0.053515	0.24842	0.002435	0.95815	0.084298	0.06875
0.01931	0.154581	0.0008	0.069277	0.13495	-0.01905	0.6813	0.008344	0.85728
0.00666	0.147681	0.00137	0.102487	0.02678	-0.03117	0.5016	-0.08236	0.0754
0.01466	-0.0929	0.0448	0.066276	0.15273	-0.02929	0.52779	-0.10383	0.02485
8.52E-10	-0.27193	2.32E-09	0.006393	0.89041	-0.19242	2.84E-05	-0.22504	8.96E-07
0.00512	-0.04356	0.3476	0.082346	0.07544	-0.00442	0.92417	-0.16036	0.0005
2.59E-05	-0.1833	6.77E-05	0.040743	0.37968	0.001457	0.97495	-0.1085	0.01901
0.40676	0.071255	0.12413	0.008106	0.86131	-0.06448	0.1642	-0.15562	0.00074
8.78E-11	-0.27231	2.20E-09	-0.01204	0.7952	-0.07634	0.09939	-0.20168	1.12E-05
0.00178	-0.18897	3.96E-05	-0.05819	0.20944	-0.07603	0.10079	-0.09542	0.03927

0.21912	-0.00742	0.87293	-0.05952	0.19917	-0.05621	0.22536	-0.0942	0.04188
1.25E-07	-0.21898	1.77E-06	0.006931	0.88125	-0.0412	0.37431	-0.08565	0.06442
3.59E-12	-0.39484	7.13E-19	-0.01529	0.74181	-0.08853	0.0559	-0.15213	0.00097
0.76983	0.010089	0.82786	0.008288	0.85823	0.037677	0.41661	0.008533	0.85409
0.25062	0.161757	0.00045	0.086298	0.06241	0.002718	0.95328	0.150804	0.00108
0.01318	0.095503	0.03911	0.018981	0.68246	0.017238	0.71022	0.054882	0.23653
0.74019	0.034871	0.45219	0.029174	0.52942	-0.00099	0.98293	-0.05669	0.22141
2.35E-11	-0.31719	2.25E-12	-0.00959	0.8363	-0.03268	0.48112	-0.27507	1.49E-09
0.03288	0.120145	0.00935	-0.00555	0.90475	0.027573	0.55226	-0.15397	0.00084
0.14946	0.124061	0.00727	0.050416	0.27691	-0.00558	0.90433	-0.06846	0.13962
0.61665	0.107836	0.01976	0.172335	0.00018	0.049497	0.28578	-0.15618	0.00071
6.47E-20	-0.32973	2.63E-13	0.034532	0.45659	-0.00763	0.86943	-0.16116	0.00047
1.20E-07	-0.35376	3.26E-15	-0.03125	0.50051	-0.06256	0.17715	-0.20424	8.63E-06
0.0031	0.21114	4.17E-06	0.046957	0.31126	0.092954	0.04467	-0.1882	4.26E-05
3.13E-08	-0.31355	4.11E-12	0.14372	0.00185	-0.00681	0.88333	-0.1014	0.02844
0.66057	0.043852	0.34437	0.00287	0.95068	-0.01197	0.79644	-0.07721	0.0956
0.02001	-0.08086	0.0809	-0.00193	0.96685	-0.01034	0.82365	-0.20196	1.09E-05
0.31971	0.053241	0.25085	0.013771	0.76662	0.00218	0.96252	-0.16997	0.00022
0.83477	-0.08647	0.0619	-0.02386	0.60696	-0.0661	0.1538	-0.07411	0.10974
0.00019	-0.14171	0.00214	0.011864	0.79818	-0.02331	0.61541	-0.16085	0.00048
0.07016	-0.04671	0.3138	0.050737	0.27386	0.10928	0.01816	-0.12784	0.00566
0.01872	0.08865	0.05557	-0.08265	0.07437	-0.06119	0.1868	0.002425	0.95832
0.00209	-0.23622	2.41E-07	-0.02074	0.65479	-0.0313	0.49984	-0.02305	0.61937
0.03902	-0.15625	0.0007	-0.00877	0.85006	-0.05108	0.27063	-0.11961	0.00968
0.70801	0.016632	0.71999	0.059783	0.19718	0.024625	0.59556	-0.02731	0.55608
0.06248	-0.07578	0.10191	0.062102	0.18033	-0.01262	0.78562	-0.13544	0.00336
0.11304	0.122373	0.00811	0.010731	0.8171	0.053562	0.248	0.044194	0.34062
0.07288	-0.09691	0.0363	-0.01899	0.68228	0.011571	0.80306	-0.08749	0.05885
0.30597	-0.05088	0.27252	0.153847	0.00085	-0.02717	0.55816	-0.1051	0.02312
1.22E-18	-0.4199	2.26E-21	-0.01084	0.81522	-0.07385	0.11097	-0.21428	2.97E-06
0.02033	-0.02765	0.55117	0.065534	0.15738	-0.0511	0.27048	-0.10287	0.02621
0.86665	-0.06872	0.13815	0.034052	0.46289	-0.04943	0.28639	-0.17199	0.00019
2.26E-06	-0.27134	2.52E-09	-0.03474	0.4539	0.034752	0.45373	-0.28254	5.08E-10
0.0357	-0.08054	0.08211	0.160361	0.0005	-0.02916	0.52962	-0.14243	0.00203
0.02687	0.020348	0.66096	-0.0954	0.03933	-0.14045	0.00235	-0.07632	0.09948
7.92E-05	-0.1505	0.00111	0.026912	0.56184	0.012216	0.79233	-0.05899	0.20319
0.63752	0.026293	0.57087	-0.00097	0.98331	-0.01264	0.78524	-0.07767	0.09365
2.90E-12	-0.31361	4.07E-12	0.01366	0.76844	-0.03078	0.50699	-0.24814	5.53E-08
2.99E-11	-0.44405	5.51E-24	-0.09125	0.04876	-0.12186	0.00839	-0.15446	0.00081
5.39E-08	-0.25732	1.69E-08	0.051347	0.26813	0.000342	0.99412	-0.15578	0.00073
4.21E-05	-0.16573	0.00032	0.150132	0.00114	-0.02753	0.55285	-0.14138	0.00219
1.47E-05	-0.10484	0.02347	0.032062	0.48945	0.074143	0.10956	-0.06641	0.15191
0.03642	-0.02343	0.61356	0.059731	0.19758	-0.01887	0.68426	-0.10928	0.01816
0.00369	0.096936	0.03625	-0.05088	0.27247	0.036988	0.42519	-0.0099	0.831
0.00032	0.134295	0.00364	0.046907	0.31177	-0.00996	0.83	-0.06706	0.14794

0.05875	-0.05447	0.24004	0.009902	0.831	0.050034	0.28058	-0.1674	0.00028
8.83E-05	-0.19408	2.41E-05	-0.03868	0.4043	-0.04127	0.37358	-0.27176	2.38E-09
0.73224	0.003172	0.9455	0.023827	0.60754	-0.01638	0.72412	-0.14895	0.00125
0.07039	-0.06789	0.14298	-0.01801	0.69788	-0.0682	0.14114	-0.20616	7.07E-06
0.00803	-0.14574	0.00159	-0.02729	0.5564	-0.03977	0.39117	-0.16745	0.00028
0.51862	-0.13279	0.00404	-0.01025	0.82523	0.092337	0.04612	-0.15276	0.00093
1.91E-06	-0.19895	1.48E-05	-0.00988	0.83129	-0.01674	0.71828	-0.11659	0.01169
0.56361	0.04402	0.34252	0.016241	0.7263	0.042631	0.35799	-0.01522	0.74295
0.13291	0.07549	0.10325	0.123373	0.0076	0.035671	0.44188	-0.00315	0.9459
0.02236	0.223516	1.07E-06	0.115396	0.01258	0.01775	0.70203	0.020427	0.65973
1.64E-16	-0.34237	2.74E-14	-0.02789	0.5477	-0.06619	0.15326	-0.2288	5.81E-07
0.94167	0.05814	0.20981	0.108977	0.01849	-0.00441	0.92429	-0.17802	0.00011
4.59E-06	0.299891	3.69E-11	0.025885	0.57686	0.11269	0.01483	0.011677	0.80129
3.33E-05	0.235723	2.56E-07	-0.07207	0.11987	0.022259	0.63137	0.112031	0.01543
0.69492	0.046279	0.31831	0.051367	0.26795	0.007732	0.86764	-0.06696	0.14851
5.49E-07	-0.22607	7.96E-07	0.003275	0.94374	-0.02216	0.63284	-0.19898	1.48E-05
0.41165	0.019056	0.68126	0.068185	0.14122	0.006763	0.8841	-0.15766	0.00063
0.07523	0.064603	0.16338	0.02149	0.64322	-0.02643	0.56886	-0.01782	0.70086
0.06572	0.066752	0.14979	0.086289	0.06243	0.014229	0.75909	0.136375	0.00315
0.96885	0.022615	0.62592	0.036182	0.43535	-0.02285	0.62234	-0.03146	0.4976
8.51E-09	-0.26992	3.07E-09	0.020719	0.65517	-0.04892	0.29141	-0.251	3.85E-08
0.83299	-0.02988	0.51943	-0.00157	0.97303	-0.00559	0.90415	-0.14633	0.00152
1.94E-06	-0.15476	0.00079	-0.05377	0.24618	-0.06194	0.18147	-0.17032	0.00022
1.29E-06	0.278689	8.89E-10	-0.07026	0.12948	-0.02333	0.61498	-0.04673	0.31364
0.25591	-0.04385	0.34441	0.130139	0.00485	0.097616	0.03495	-0.15934	0.00055
0.00029	-0.13416	0.00368	-0.02038	0.66039	0.003391	0.94174	-0.19598	2.00E-05
1.74E-05	-0.12921	0.00517	-0.01317	0.77645	0.001551	0.97334	-0.19032	3.48E-05
0.05103	0.022277	0.63111	0.077901	0.09267	-0.07953	0.08601	-0.02161	0.64136
0.1006	0.101279	0.02864	0.006148	0.89458	-0.00232	0.9602	-0.14655	0.00149
5.93E-12	-0.30265	2.39E-11	0.030834	0.50624	-0.04774	0.30324	-0.26621	5.12E-09
6.61E-13	-0.30512	1.61E-11	0.021782	0.6387	-0.02698	0.56088	-0.19544	2.11E-05
0.77231	0.013367	0.77327	0.141753	0.00214	-0.01143	0.80538	-0.01693	0.71516
9.21E-05	-0.16576	0.00032	-0.02574	0.57903	-0.02403	0.6045	-0.08486	0.06692
0.46678	-0.01134	0.80695	-0.03512	0.44901	-0.07309	0.11471	-0.09176	0.0475
9.76E-07	-0.22364	1.05E-06	-0.05712	0.21794	-0.02058	0.65737	-0.1142	0.01353
4.08E-08	-0.3017	2.77E-11	-0.05022	0.2788	-0.06826	0.14078	-0.10824	0.01929
0.21435	-0.0251	0.58845	0.016506	0.72202	0.01425	0.75874	-0.12988	0.00494
6.39E-28	0.541449	6.29E-37	0.085865	0.06374	0.06659	0.15079	0.054096	0.24331
4.28E-29	0.467607	9.56E-27	0.033167	0.4746	0.036562	0.43055	0.073179	0.11427
2.37E-25	0.52264	4.29E-34	-0.00039	0.99338	0.048329	0.29732	0.161624	0.00045
1.33E-55	0.766553	1.75E-91	0.085917	0.06358	0.127728	0.00571	0.362857	5.59E-16
1.11E-28	0.604482	7.35E-48	0.107545	0.02009	0.10975	0.01767	-0.00286	0.95079
1.65E-08	0.292168	1.21E-10	0.052853	0.25433	0.102092	0.02738	0.040189	0.3862
8.64E-24	0.498889	9.30E-31	0.041538	0.37045	-0.05138	0.26778	0.010754	0.8167
8.39E-13	0.381405	1.28E-17	0.045947	0.32179	0.075787	0.1019	0.0242	0.60191

3.87E-12	0.475366	1.06E-27	0.087145	0.05987	0.095826	0.03845	-0.07363	0.11204
3.29E-39	0.658586	2.11E-59	0.029668	0.52246	0.097393	0.03538	-0.04564	0.32508
1.66E-14	0.43142	1.36E-22	0.079809	0.08492	0.001418	0.97563	0.084106	0.06939
5.09E-63	0.776863	1.84E-95	0.102355	0.02698	0.146013	0.00156	0.184941	5.80E-05
1.65E-42	0.645097	2.64E-56	0.010708	0.81747	0.080927	0.08063	0.193165	2.64E-05
0.27362	0.123491	0.00755	0.046511	0.31588	-0.01841	0.69149	-0.14175	0.00214
8.90E-52	0.732008	1.60E-79	0.129352	0.00512	0.136801	0.00305	0.056506	0.22292
1.36E-59	0.751234	6.17E-86	0.023729	0.60901	0.102816	0.0263	0.166131	0.00031
9.32E-08	0.357845	1.49E-15	0.08516	0.06596	0.00888	0.84821	0.03797	0.41299
8.75E-39	0.619569	7.48E-51	0.008613	0.85273	0.066617	0.15062	-0.0011	0.98112
3.42E-12	0.488218	2.42E-29	0.104822	0.02349	0.102251	0.02714	0.079514	0.08609
9.96E-13	0.467971	8.64E-27	0.085362	0.06531	0.049976	0.28113	-0.07361	0.11213
2.92E-27	0.497062	1.64E-30	-0.07367	0.11186	0.030528	0.51047	0.110018	0.01739
2.21E-61	0.78216	1.37E-97	0.078277	0.0911	0.138293	0.00275	0.248676	5.17E-08
3.61E-14	0.334148	1.21E-13	0.109854	0.01756	0.016618	0.7202	-0.04055	0.38191
1.74E-23	0.481249	1.91E-28	0.005198	0.9108	0.088619	0.05566	0.008933	0.84733
9.08E-53	0.708779	1.77E-72	0.040787	0.37918	0.060513	0.19176	0.119684	0.00963
1.26E-34	0.658364	2.38E-59	0.083193	0.07248	0.111321	0.0161	0.030658	0.50868
1.74E-19	0.538427	1.84E-36	-0.05661	0.22207	0.130683	0.00467	0.045933	0.32194
8.58E-14	0.413256	1.09E-20	0.050501	0.27611	-0.04738	0.30687	0.080022	0.08409
5.18E-46	0.64925	3.06E-57	-0.03314	0.475	0.066136	0.1536	0.195125	2.17E-05
9.98E-13	0.449574	1.30E-24	0.036788	0.4277	0.119535	0.00972	0.055129	0.23442
1.28E-41	0.660329	8.19E-60	0.052799	0.25481	0.062952	0.17443	0.107014	0.02072
8.73E-38	0.631284	2.72E-53	0.045146	0.33031	0.132046	0.00426	0.088198	0.05684
2.17E-29	0.554584	5.13E-39	0.046717	0.31374	0.005109	0.91231	0.093563	0.04329
1.49E-28	0.585781	2.30E-44	0.084641	0.06763	0.035362	0.44584	-0.0507	0.27425
3.00E-26	0.516603	3.20E-33	0.040803	0.37899	0.083699	0.07075	0.043971	0.34306
2.13E-29	0.520307	9.38E-34	-0.02122	0.64733	0.040337	0.38447	0.031176	0.50153
1.89E-30	0.566824	4.78E-41	0.052658	0.25608	0.050078	0.28015	0.12285	0.00787
7.17E-13	0.389597	2.24E-18	0.182918	7.01E-05	0.045806	0.32328	0.017424	0.70725
7.33E-13	0.404279	8.65E-20	-0.04712	0.30954	0.035664	0.44196	0.13017	0.00484
3.05E-42	0.6137	1.14E-49	0.102725	0.02643	0.102495	0.02677	0.011469	0.80477
5.42E-22	0.517621	2.29E-33	0.045693	0.32448	0.004616	0.92075	0.04514	0.33037
1.06E-39	0.616142	3.70E-50	0.074968	0.10566	0.072816	0.11608	0.00273	0.95308
4.10E-51	0.65055	1.55E-57	0.062684	0.17627	0.083432	0.07166	0.08254	0.07476
2.33E-54	0.776932	1.73E-95	0.079245	0.08715	0.129347	0.00512	0.252038	3.36E-08
3.55E-33	0.585959	2.13E-44	0.040118	0.38705	-0.00369	0.93663	0.00095	0.98366
0.02907	0.206133	7.09E-06	-0.03487	0.4522	0.012636	0.78535	-0.06056	0.19142
1.93E-38	0.667911	1.23E-61	0.017398	0.70766	0.157043	0.00066	-0.03352	0.46993
4.41E-05	0.137059	0.003	0.006778	0.88386	-0.12385	0.00737	-0.02957	0.52391
4.33E-13	0.317122	2.27E-12	-0.02751	0.55319	-0.00963	0.8356	-0.05381	0.24584
8.54E-60	0.719867	9.43E-76	0.031565	0.4962	0.122225	0.00819	0.226171	7.87E-07
2.60E-14	0.384813	6.24E-18	0.053141	0.25175	-0.02813	0.54429	0.036577	0.43036
4.57E-13	0.405923	5.95E-20	-0.03221	0.48743	0.11349	0.01413	-0.03217	0.488
1.64E-44	0.623344	1.26E-51	0.021335	0.64561	0.067848	0.14321	0.212169	3.74E-06

6.17E-16	0.439664	1.70E-23	0.014121	0.76086	0.063782	0.16881	0.098263	0.03376
1.00E-36	0.636926	1.67E-54	-0.00237	0.95923	0.049758	0.28324	0.120958	0.00888
1.15E-34	0.655413	1.17E-58	0.085763	0.06406	0.023751	0.60867	-0.04992	0.28165
1.39E-45	0.649594	2.55E-57	0.081733	0.07765	0.10853	0.01898	0.138127	0.00278
4.10E-10	0.39215	1.29E-18	0.023893	0.60654	0.038565	0.40571	-0.18263	7.20E-05
4.21E-12	0.221747	1.30E-06	-0.02967	0.52241	-0.07823	0.0913	-0.03185	0.49233
2.92E-58	0.6059	3.91E-48	0.020307	0.6616	0.026999	0.56058	0.006302	0.89197
1.79E-09	0.398799	2.97E-19	0.127337	0.00586	0.076983	0.09659	-0.07153	0.1227
4.38E-29	0.519329	1.30E-33	0.053031	0.25273	-0.02822	0.54303	0.12219	0.00821
4.51E-16	0.386474	4.38E-18	0.074392	0.10837	-0.0093	0.84109	0.067213	0.147
1.05E-14	0.43696	3.39E-23	0.07566	0.10247	0.009333	0.84057	0.063303	0.17203
1.60E-22	0.483186	1.08E-28	0.051164	0.26985	-0.01628	0.72571	0.052653	0.25613
3.24E-35	0.643948	4.77E-56	-0.00693	0.88135	0.142433	0.00203	0.110068	0.01734
3.47E-40	0.645022	2.75E-56	0.046704	0.31388	0.093863	0.04262	0.236657	2.29E-07
1.08E-26	0.542862	3.79E-37	0.023337	0.61494	0.030494	0.51094	-0.02251	0.62752
7.38E-08	0.444044	5.51E-24	-0.02617	0.57268	0.16782	0.00027	-0.07093	0.12584
5.03E-10	0.273704	1.81E-09	0.008023	0.86272	-0.01679	0.71744	-0.1321	0.00424
3.79E-86	0.701729	1.78E-70	0.044799	0.33404	0.02929	0.52778	0.12881	0.00531
1.28E-09	0.229207	5.54E-07	-0.04805	0.30012	-0.10996	0.01745	0.041801	0.36743
1.58E-28	0.506739	7.85E-32	0.028928	0.53289	0.03973	0.39166	0.207689	6.02E-06
1.24E-34	0.612372	2.10E-49	0.022933	0.62107	0.030237	0.51451	0.125969	0.00641
1.37E-14	0.420744	1.85E-21	0.003802	0.93469	0.047821	0.30243	-0.00685	0.88268
5.91E-16	0.471377	3.30E-27	0.044807	0.33395	0.143179	0.00192	-0.01226	0.79163
2.14E-24	0.572531	5.05E-42	-0.01463	0.75255	0.065684	0.15643	-0.05462	0.23874
7.02E-10	0.367429	2.25E-16	-0.00821	0.85963	-0.04798	0.30083	-0.03625	0.43447
2.64E-29	0.555157	4.14E-39	0.014737	0.75077	0.027213	0.55747	0.111982	0.01547
8.34E-28	0.602957	1.45E-47	0.062643	0.17656	0.043523	0.34801	0.029805	0.52055
3.82E-38	0.594741	5.19E-46	0.006604	0.88682	0.093496	0.04344	0.068458	0.13964
2.81E-14	0.445943	3.36E-24	0.018764	0.68588	0.088429	0.05619	0.027873	0.54794
1.34E-14	0.519239	1.34E-33	-0.04422	0.34028	0.172292	0.00018	0.007239	0.87601
1.44E-34	0.536787	3.29E-36	0.075283	0.1042	0.024766	0.59345	0.210166	4.63E-06
2.11E-30	0.537502	2.56E-36	0.129682	0.005	0.020571	0.65748	0.173264	0.00017
2.73E-10	0.325676	5.33E-13	0.065676	0.15649	0.017743	0.70214	0.048188	0.29873
2.41E-28	0.499779	7.05E-31	0.038913	0.40148	0.070215	0.12973	0.160373	0.0005
3.98E-39	0.593282	9.70E-46	0.027665	0.55094	0.086507	0.06177	0.194836	2.24E-05
6.47E-41	0.663952	1.12E-60	0.022778	0.62345	0.136287	0.00317	0.210478	4.48E-06
8.03E-38	0.549927	2.89E-38	0.041047	0.37614	0.014705	0.75128	0.138899	0.00263
2.06E-22	0.468741	6.95E-27	0.124021	0.00729	0.11601	0.01212	0.153998	0.00084
5.32E-15	0.463025	3.42E-26	0.065001	0.1608	0.051504	0.26667	-0.0852	0.06581
5.18E-50	0.687732	1.14E-66	0.13007	0.00487	0.065463	0.15783	0.18473	5.92E-05
1.78E-35	0.687147	1.62E-66	0.041198	0.37439	0.144781	0.00171	0.104296	0.0242
1.11E-43	0.622327	2.04E-51	0.023924	0.60608	0.11368	0.01397	0.160643	0.00049
1.41E-22	0.444504	4.89E-24	0.105357	0.02278	0.057927	0.21148	0.124032	0.00728
8.71E-24	0.455172	2.91E-25	0.02302	0.61976	-0.00541	0.90725	0.010344	0.82358
8.61E-39	0.653699	2.92E-58	0.075245	0.10438	0.135943	0.00324	0.125593	0.00658

6.32E-36	0.719816	9.77E-76	0.064401	0.1647	0.1208	0.00897	0.165443	0.00033
5.09E-47	0.644463	3.66E-56	0.015306	0.74147	0.047932	0.3013	0.122804	0.00789
7.43E-15	0.500741	5.22E-31	0.136524	0.00311	0.181397	8.07E-05	0.068786	0.13774
5.22E-39	0.551031	1.92E-38	-0.0365	0.43132	0.077095	0.0961	-0.00758	0.87026
1.72E-21	0.376317	3.70E-17	0.013282	0.77467	-0.08478	0.06716	-0.02353	0.61207
5.51E-60	0.67291	7.19E-63	0.129495	0.00507	0.10413	0.02443	0.288254	2.18E-10
1.48E-47	0.614116	9.42E-50	0.049193	0.28875	0.021654	0.64068	0.019043	0.68147
2.90E-18	0.40136	1.67E-19	0.025309	0.58537	-0.11582	0.01226	0.06101	0.18813
6.13E-28	0.417219	4.29E-21	0.018877	0.6841	-0.0703	0.12926	0.011811	0.79906
4.30E-38	0.49274	6.16E-30	-0.01108	0.8112	-0.06295	0.17447	0.043586	0.34731
1.01E-23	0.53871	1.67E-36	-0.0126	0.78595	0.092584	0.04553	0.033952	0.46419
3.12E-51	0.694917	1.35E-68	0.122264	0.00817	0.135363	0.00338	0.065658	0.1566
3.50E-64	0.76698	1.21E-91	0.102236	0.02716	0.160214	0.00051	0.181821	7.76E-05
4.36E-23	0.42269	1.16E-21	0.04717	0.30906	-0.02001	0.66621	-0.06684	0.14928
2.72E-52	0.668345	9.61E-62	0.045044	0.3314	0.103988	0.02462	0.070417	0.12863
3.16E-13	0.413291	1.08E-20	0.005696	0.9023	-0.0107	0.81759	-0.16025	0.00051
2.64E-16	0.403062	1.14E-19	-0.07074	0.12691	0.004462	0.92339	0.008831	0.84905
7.88E-19	0.484965	6.39E-29	0.121175	0.00876	0.111721	0.01572	-0.03413	0.46186
2.19E-12	0.389742	2.17E-18	0.022982	0.62033	0.08477	0.06721	-0.12723	0.0059
5.62E-22	0.583669	5.52E-44	0.081851	0.07722	0.116401	0.01183	-0.00305	0.94764
4.14E-59	0.698947	1.06E-69	-0.00435	0.92536	0.044865	0.33333	0.072666	0.11684
2.19E-15	0.350217	6.38E-15	0.079073	0.08784	-0.01654	0.72153	-0.11717	0.01128
1.31E-12	0.240782	1.39E-07	0.057047	0.21851	-0.0462	0.31911	0.15314	0.0009
1.42E-26	0.539679	1.18E-36	0.114201	0.01354	0.070972	0.12564	0.135337	0.00339
5.49E-61	0.713286	8.63E-74	0.131881	0.00431	0.121002	0.00886	0.028077	0.54502
7.64E-35	0.619492	7.76E-51	-0.02639	0.56941	0.10339	0.02547	0.001381	0.97626
1.99E-33	0.579396	3.18E-43	0.07548	0.10329	-0.02195	0.63607	0.01554	0.73767
9.82E-40	0.639122	5.55E-55	-0.01916	0.67966	0.059405	0.20004	0.07459	0.10744
2.25E-33	0.582501	8.93E-44	-0.00712	0.87807	0.008221	0.85936	0.063884	0.16812
3.17E-24	0.483747	9.16E-29	0.095203	0.03973	0.043332	0.35013	0.034298	0.45966
#####	0.784655	1.30E-98	0.111274	0.01614	0.112544	0.01496	0.194115	2.40E-05
3.29E-43	0.647916	6.14E-57	0.008649	0.85213	0.035941	0.43843	-0.00225	0.96134
1.85E-11	0.398884	2.91E-19	0.112381	0.01511	-0.02182	0.63809	-0.00538	0.90764
1.86E-42	0.615815	4.30E-50	0.09382	0.04271	0.103682	0.02505	0.040871	0.37819
2.65E-22	0.46026	7.32E-26	0.158145	0.0006	-0.0181	0.69641	0.139343	0.00255
0.00062	0.216132	2.43E-06	-0.05601	0.22697	-0.06608	0.15393	-0.14056	0.00233
0.0006	0.228682	5.88E-07	0.023959	0.60554	0.032012	0.49012	-0.09015	0.05156
0.00011	0.251988	3.39E-08	-0.0184	0.69163	-0.04773	0.30334	-0.09997	0.03078
2.51E-34	0.600778	3.77E-47	-0.03436	0.45885	0.107137	0.02057	0.12144	0.00861
8.06E-44	0.710247	6.66E-73	-0.00369	0.93653	0.067987	0.14238	0.004771	0.9181
1.55E-22	0.457025	1.77E-25	-0.00295	0.94932	0.089329	0.05372	0.010641	0.81861
1.91E-25	0.473746	1.68E-27	0.108502	0.01901	0.028705	0.53606	0.084294	0.06876
4.97E-31	0.570885	9.70E-42	-0.07258	0.11729	0.131461	0.00443	0.09987	0.03094
4.44E-45	0.555987	3.03E-39	0.076772	0.09751	0.016377	0.72411	0.108612	0.01889
#####	0.798339	#####	0.056624	0.22195	0.080982	0.08043	0.240607	1.42E-07



1.16E-31	0.649789	2.30E-57	0.013672	0.76825	0.122543	0.00802	0.246629	6.70E-08
2.51E-34	0.649721	2.39E-57	0.058034	0.21064	0.178047	0.00011	0.15633	0.0007
1.93E-29	0.647375	8.13E-57	0.145095	0.00167	0.091198	0.04888	-0.02227	0.63127
1.36E-06	0.383628	8.02E-18	0.10411	0.02445	0.093365	0.04373	-0.16518	0.00034
3.24E-49	0.740487	2.79E-82	0.061444	0.185	0.098267	0.03375	0.136933	0.00302
1.40E-34	0.540939	7.54E-37	0.041844	0.36693	0.047317	0.30756	0.071739	0.12159
7.93E-41	0.654756	1.66E-58	0.005555	0.90469	0.05292	0.25373	0.040288	0.38504
1.01E-25	0.61066	4.58E-49	0.057459	0.2152	0.20001	1.33E-05	0.096067	0.03796
5.23E-38	0.592374	1.43E-45	0.036527	0.43098	0.048717	0.29344	0.063177	0.17289
4.02E-07	0.212426	3.63E-06	-0.02206	0.63435	-0.00392	0.93259	-0.06598	0.15458
1.54E-18	0.522042	5.25E-34	0.040455	0.38307	0.146644	0.00148	0.273572	1.84E-09
0.84549	-0.07254	0.11747	0.059114	0.20225	-0.04425	0.34001	0.05684	0.22019
0.04299	-0.09766	0.03487	-0.047	0.31082	-0.0687	0.13825	-0.01277	0.78314
0.30343	0.093088	0.04436	0.050817	0.27311	0.034524	0.4567	-0.10157	0.02819
0.09764	-0.05646	0.2233	0.031579	0.49602	0.063137	0.17316	0.049248	0.28822
0.04072	-0.15127	0.00104	-0.01314	0.77701	-0.05749	0.21495	-0.03892	0.40137
0.27463	-0.09146	0.04823	0.206673	6.70E-06	-0.04477	0.33438	-0.05456	0.23925
0.01123	-0.20574	7.39E-06	0.006115	0.89514	-0.03748	0.41906	-0.02681	0.56336
0.11529	0.049791	0.28293	0.039687	0.39217	0.012766	0.7832	0.073818	0.11113
0.96855	0.039777	0.39111	-0.00231	0.96033	-0.02393	0.60595	-0.01557	0.73711
0.0445	-0.09547	0.03917	-0.00204	0.96492	-0.01211	0.79413	-0.05324	0.25082
0.00231	-0.18473	5.92E-05	0.020943	0.65169	-0.00413	0.92916	-0.09008	0.05173
0.68088	0.013619	0.76911	0.04856	0.29501	-0.00983	0.83224	0.003054	0.94751
0.47755	-0.08927	0.05387	-0.01309	0.77788	-0.0312	0.50117	-0.02355	0.61176
0.61262	0.011348	0.80677	0.00977	0.83322	-0.02929	0.52784	-0.05521	0.23374
0.52985	-0.02803	0.54574	0.038187	0.41032	-0.02613	0.57321	-0.05622	0.22527
0.35695	-0.13162	0.00439	-0.02939	0.52632	-0.01061	0.81913	-0.1353	0.00339
0.00159	0.153889	0.00085	0.038827	0.40252	0.130349	0.00478	0.102305	0.02706
0.11532	-0.13733	0.00294	-0.04326	0.35097	-0.05149	0.26676	-0.05475	0.23764
0.1057	-0.11376	0.01391	-0.11258	0.01493	-0.08278	0.07391	0.004161	0.92855
0.7421	-0.08671	0.06116	-0.09248	0.04577	-0.07886	0.08869	0.018158	0.69552
0.00813	0.0487	0.29362	-0.04689	0.31193	-0.06093	0.18874	-0.00736	0.87397
0.3977	0.016653	0.71965	0.006237	0.89306	0.023421	0.61367	0.099145	0.03219
0.0054	0.190188	3.52E-05	0.015794	0.73355	-0.0426	0.35835	0.081505	0.07848
0.93043	0.028297	0.54187	-0.0464	0.31701	-0.01593	0.7313	0.157207	0.00065
0.51754	-0.00248	0.95743	0.017076	0.71283	-0.01429	0.75803	-0.04783	0.30233
0.07123	-0.12381	0.00739	-0.0221	0.63376	-0.0478	0.30266	-0.06899	0.13659
0.79352	0.036273	0.4342	0.036719	0.42857	0.026466	0.56834	0.029965	0.51831
0.04257	-0.08121	0.07956	0.036552	0.43067	-0.01068	0.81798	-0.07109	0.12501
0.01776	-0.09446	0.04132	-0.03839	0.4079	-0.00799	0.86326	0.002852	0.95098
0.00131	-0.12056	0.00911	-0.02592	0.57642	0.085426	0.06511	-0.03293	0.47782
0.00295	-0.19403	2.42E-05	-0.0628	0.17548	-0.05023	0.27873	-0.02785	0.5483
0.00011	-0.05531	0.23289	-0.08035	0.08284	0.054465	0.24011	0.045387	0.32773
0.48818	-0.00857	0.85347	0.014087	0.76142	0.004397	0.9245	-0.03552	0.44381
0.8435	-0.05035	0.27755	-0.00915	0.84359	-0.04435	0.33892	-0.05986	0.19664

0.42673	0.032148	0.48829	0.030497	0.51091	-0.01721	0.71063	-0.06922	0.13525
0.02271	-0.0356	0.44275	0.089736	0.05263	0.052913	0.25379	0.012213	0.79237
0.00651	-0.15915	0.00056	-0.04414	0.34125	-0.03617	0.43547	-0.01991	0.66775
0.00118	-0.16825	0.00026	-0.02162	0.64116	-0.05232	0.25914	-0.03806	0.4119
0.00327	-0.13395	0.00373	-0.02189	0.63703	-0.04061	0.38123	-0.0244	0.5989
0.81201	0.037713	0.41617	0.045746	0.32391	-0.00093	0.98396	-0.03309	0.47562
0.48861	-0.04007	0.38763	0.097979	0.03428	0.051284	0.26872	0.008267	0.85858
0.02191	-0.10814	0.01942	0.001783	0.96934	-0.0052	0.91075	-0.01975	0.67038
0.57051	-0.01376	0.76677	0.049185	0.28883	0.06856	0.13904	-0.04022	0.38588
0.08634	-0.08239	0.0753	0.006451	0.88942	-0.03024	0.51449	-0.04151	0.37072
0.88129	0.000422	0.99275	-0.00197	0.96618	-0.00986	0.83177	-0.01274	0.78368
0.35015	0.076441	0.09897	0.082676	0.07427	0.063665	0.16959	0.091555	0.048
0.34121	-0.04582	0.32314	-0.00799	0.86333	-0.02875	0.53544	-0.01629	0.72549
0.62733	-0.03217	0.48796	-0.0057	0.90229	-0.02644	0.56878	-0.03576	0.44073
0.99073	-0.01686	0.71626	0.003705	0.93636	-0.02081	0.65368	-0.01598	0.73054
0.04759	-0.1108	0.01661	-0.03823	0.40986	-0.058	0.21092	0.039137	0.39877
0.31714	-0.07364	0.11201	0.077878	0.09276	-0.06638	0.15205	-0.06155	0.18426
0.06352	0.105103	0.02312	0.057732	0.21302	0.020703	0.65542	-0.03151	0.49698
0.14825	-0.12709	0.00596	-0.00551	0.9054	-0.0606	0.19111	-0.07441	0.10829
0.58287	0.038285	0.40912	0.205409	7.65E-06	-0.03669	0.42891	0.085097	0.06615
0.20316	-0.07686	0.09712	0.012271	0.79141	-0.01762	0.70414	-0.03291	0.47802
0.37108	-0.00947	0.83834	0.043777	0.3452	-0.00453	0.92228	0.046689	0.31403
3.45E-05	-0.16108	0.00048	-0.06953	0.13353	-0.0626	0.17686	0.060026	0.19537
0.47467	0.040068	0.38764	0.230155	4.96E-07	0.052874	0.25414	-0.01429	0.75816
0.02193	-0.13458	0.00357	0.015907	0.73171	0.004637	0.92039	0.03307	0.47589
1.68E-05	-0.17857	0.0001	-0.01229	0.79113	-0.03826	0.40938	-0.05777	0.21271
0.46112	-0.04961	0.28472	0.026022	0.57484	-0.04104	0.37627	-0.05566	0.22993
0.46322	-0.02702	0.56025	-0.03278	0.47975	-0.04907	0.28992	0.032549	0.48288
0.41328	7.42E-05	0.99872	0.002227	0.96172	0.02078	0.65422	0.029675	0.52237
0.05823	-0.12561	0.00657	-0.0055	0.90571	0.02392	0.60613	-0.00969	0.83463
0.26018	-0.10189	0.02769	-0.02464	0.59539	-0.05158	0.26596	-0.08867	0.05551
0.16078	-0.10389	0.02475	-0.00453	0.92219	-0.02392	0.60613	0.149197	0.00122
0.00065	-0.09602	0.03806	-0.10071	0.02955	0.008223	0.85934	0.074322	0.10871
0.00049	-0.19299	2.68E-05	-0.02	0.66635	-0.04699	0.31087	-0.08888	0.05494
0.0021	-0.15266	0.00093	-0.02567	0.57996	-0.05453	0.23956	0.023517	0.61221
0.31763	-0.04226	0.36221	0.002229	0.96168	0.046299	0.31809	0.032546	0.48292
0.01372	-0.14243	0.00203	-0.00882	0.84916	-0.06654	0.15108	0.137167	0.00297
0.0234	-0.10588	0.02211	-0.00744	0.87264	-0.07253	0.11752	0.146629	0.00149
0.00173	-0.26014	1.16E-08	-0.06564	0.15671	-0.09237	0.04604	0.017556	0.70514
0.13358	-0.11016	0.01725	-0.01023	0.82542	-0.03785	0.41442	-0.03333	0.47244
0.77971	0.024275	0.60079	0.025087	0.58867	0.029809	0.52049	-0.09939	0.03176
0.07962	0.036157	0.43568	0.048299	0.29761	-0.00386	0.93376	0.007257	0.87571
0.99433	-0.02928	0.52797	0.047634	0.30433	0.005863	0.89945	0.007578	0.87027
0.66586	0.040381	0.38394	0.030016	0.51759	-0.02331	0.61535	-0.00771	0.86807
0.02006	0.10791	0.01967	0.112068	0.01539	0.041452	0.37145	0.006424	0.88988

0.28592	-0.13793	0.00282	0.038573	0.40561	-0.09962	0.03137	-0.01487	0.74863
0.06241	-0.14005	0.00242	-0.01931	0.67724	-0.06449	0.1641	-0.01372	0.76748
0.47365	-0.08753	0.05874	-0.01329	0.77452	-0.00372	0.93613	-0.04258	0.35853
0.44699	-0.10514	0.02307	0.006534	0.88801	-0.02315	0.61775	0.012649	0.78515
0.86804	-0.07882	0.08888	-0.00811	0.86124	0.022347	0.63003	-0.03267	0.4812
0.4306	-0.10408	0.0245	-0.02342	0.61363	-0.04712	0.30955	-0.05905	0.20276
0.8976	-0.03619	0.43532	0.013053	0.77846	-0.02719	0.55781	-0.04834	0.29725
0.03166	-0.15422	0.00083	-0.03359	0.46893	-0.05283	0.25454	-0.06496	0.16104
0.00992	-0.16405	0.00037	-0.04405	0.34225	-0.05181	0.26385	-0.05796	0.2112
0.09646	-0.10091	0.02923	-0.02241	0.629	-0.05216	0.26062	-0.03913	0.39881
0.55684	-0.03454	0.45648	0.007177	0.87708	-0.02333	0.615	-0.05946	0.19963
0.04065	-0.14842	0.0013	-0.03642	0.43235	-0.05502	0.23532	-0.07493	0.10583
0.04567	-0.12761	0.00575	-0.00735	0.8742	-0.04033	0.38453	-0.08085	0.08091
0.14369	-0.07849	0.09022	0.003224	0.9446	-0.02299	0.62018	-0.09578	0.03855
0.12614	-0.05799	0.21098	0.015561	0.73733	-0.01313	0.77723	-0.04317	0.35193
0.06645	-0.13218	0.00422	-0.03526	0.44719	-0.05027	0.27834	-0.03905	0.39987
0.16382	-0.14114	0.00223	-0.02101	0.6506	-0.06768	0.14421	-0.00394	0.93233
0.41498	0.035177	0.44823	0.052544	0.25712	0.012244	0.79187	-0.03113	0.50217
0.6972	0.010935	0.81368	0.023633	0.61046	-0.00898	0.84651	-0.05084	0.27285
0.04922	-0.11802	0.01069	0.047586	0.30481	0.030752	0.50737	-0.0725	0.11767
0.94075	-0.05058	0.27537	0.170839	0.00021	-0.03492	0.45158	-0.0027	0.95356
3.67E-07	-0.25222	3.29E-08	-0.04436	0.33879	-0.01277	0.78317	-0.0145	0.75461
0.51365	0.008746	0.85048	0.048046	0.30015	-0.03934	0.39628	0.045209	0.32963
0.14498	-0.10535	0.0228	0.011768	0.79978	-0.03119	0.50138	-0.03207	0.48929
0.24791	-0.08997	0.05201	0.113717	0.01394	-0.01288	0.78134	0.026208	0.57212
0.04159	-0.00045	0.99221	-0.01659	0.7206	-0.07078	0.12667	0.183619	6.57E-05
1.34E-33	0.480116	2.66E-28	0.055837	0.22846	0.028464	0.53948	0.120283	0.00927
2.40E-16	0.432424	1.06E-22	0.092735	0.04518	0.101753	0.0279	0.368564	1.79E-16
2.22E-38	0.536921	3.14E-36	0.10593	0.02205	0.019254	0.67814	0.161015	0.00048
2.28E-07	0.152519	0.00094	0.064735	0.16252	-0.11163	0.0158	0.042944	0.35446
6.30E-12	0.198817	1.50E-05	-0.01822	0.69454	-0.07058	0.12774	-0.07049	0.12826
8.40E-31	0.53432	7.83E-36	0.042508	0.35938	0.069936	0.13126	0.140617	0.00232
1.04E-06	0.295699	7.06E-11	0.042859	0.35542	0.035251	0.44727	0.03718	0.42279
0.00104	0.304435	1.80E-11	0.140371	0.00236	0.044969	0.33221	-0.05309	0.25222
2.49E-27	0.502848	2.69E-31	0.066145	0.15354	0.066382	0.15207	0.193208	2.63E-05
9.87E-26	0.525255	1.78E-34	0.01482	0.7494	0.070742	0.12687	0.099053	0.03235
1.30E-09	0.263523	7.38E-09	-0.07779	0.09315	-0.02456	0.59653	0.014621	0.75266
3.60E-49	0.627422	1.78E-52	0.053696	0.24682	0.044519	0.33708	0.141264	0.00221
8.75E-36	0.501909	3.62E-31	0.05917	0.20182	-0.01301	0.77911	0.181702	7.85E-05
8.21E-06	0.206353	6.93E-06	0.128919	0.00527	0.048346	0.29714	-0.0126	0.786
1.76E-32	0.502677	2.84E-31	-0.00134	0.97698	0.027679	0.55074	0.17264	0.00018
7.04E-38	0.599405	6.89E-47	0.078945	0.08836	0.114982	0.01291	0.083052	0.07296
1.29E-22	0.406891	4.77E-20	0.05576	0.22909	-0.07395	0.11051	0.148585	0.00128
9.73E-08	0.318789	1.72E-12	0.042942	0.35449	0.079855	0.08474	0.098668	0.03303
5.38E-37	0.560092	6.41E-40	0.138604	0.00268	0.039034	0.40001	0.250974	3.86E-08

9.78E-58	0.637953	1.00E-54	0.061051	0.18784	0.054389	0.24077	0.126593	0.00616
1.91E-34	0.571547	7.46E-42	0.143482	0.00188	0.167577	0.00028	0.182518	7.28E-05
6.99E-41	0.604526	7.21E-48	0.119958	0.00947	0.092869	0.04487	0.347839	9.96E-15
5.43E-29	0.499803	6.99E-31	0.091748	0.04753	0.029875	0.51957	0.148266	0.00131
3.02E-10	0.33062	2.25E-13	-0.01743	0.70721	0.025228	0.58658	0.095911	0.03828
6.58E-27	0.435673	4.69E-23	-0.04332	0.35029	-0.00976	0.83339	0.19311	2.65E-05
4.01E-05	0.288662	2.06E-10	0.034784	0.45332	0.085793	0.06396	0.093342	0.04379
1.36E-30	0.482088	1.49E-28	0.127682	0.00572	-0.01798	0.69833	0.054814	0.23711
1.04E-17	0.36337	5.05E-16	0.07018	0.12992	-0.01648	0.72236	0.30553	1.51E-11
1.51E-42	0.615427	5.15E-50	0.088911	0.05485	0.074116	0.10969	0.176694	0.00012
3.85E-35	0.608078	1.47E-48	0.049721	0.2836	0.037386	0.42023	0.087965	0.0575
1.14E-05	0.207169	6.36E-06	0.116793	0.01154	-0.01155	0.80336	0.06068	0.19053
0.27453	0.138401	0.00272	-0.03911	0.3991	0.001795	0.96914	-0.08363	0.07098
1.80E-38	0.545649	1.38E-37	0.038161	0.41065	0.034593	0.4558	0.176777	0.00012
2.20E-31	0.523134	3.64E-34	-0.01752	0.70571	0.090874	0.04969	0.082636	0.07442
6.20E-26	0.497353	1.50E-30	0.018172	0.69529	0.090385	0.05094	0.1667	0.0003
5.39E-13	0.319979	1.41E-12	0.031918	0.49141	-0.00182	0.96873	0.384493	6.68E-18
0.01744	0.159649	0.00053	0.056086	0.22638	-0.09872	0.03294	0.116067	0.01207
4.27E-40	0.61222	2.25E-49	0.083645	0.07093	0.05679	0.2206	0.246607	6.72E-08
8.33E-27	0.532168	1.66E-35	0.154274	0.00082	0.007984	0.86337	0.009735	0.83381
5.70E-44	0.56794	3.09E-41	0.070707	0.12706	0.05644	0.22346	0.156597	0.00068
0.23046	-0.00587	0.89934	0.060668	0.19062	-0.04228	0.36192	0.027239	0.55709
0.0007	0.127475	0.0058	-0.06837	0.14017	-0.06132	0.18589	0.022918	0.62131
9.48E-17	0.414471	8.21E-21	0.060917	0.1888	-0.01765	0.7036	0.120198	0.00932
5.00E-27	0.620694	4.41E-51	0.082156	0.07612	0.144366	0.00176	0.218923	1.78E-06
6.57E-23	0.440169	1.50E-23	0.002177	0.96257	-0.00908	0.84482	0.037425	0.41974
3.05E-34	0.552117	1.29E-38	0.091815	0.04737	0.105047	0.02319	0.338761	5.28E-14
4.28E-06	0.347453	1.07E-14	0.001417	0.97564	0.07804	0.09208	0.077956	0.09244
8.02E-12	0.317858	2.01E-12	-0.13795	0.00281	-0.06792	0.14276	0.015389	0.74013
2.44E-09	0.267714	4.17E-09	0.059648	0.1982	-0.0046	0.92099	0.172738	0.00018
2.06E-23	0.43242	1.06E-22	0.081979	0.07676	0.06448	0.16418	-0.01075	0.81678
1.52E-22	0.501623	3.96E-31	-0.057	0.21892	0.101439	0.02839	0.164177	0.00037
6.72E-12	0.2966	6.15E-11	0.073766	0.11138	0.069676	0.13271	-0.0091	0.84458
1.00E-12	0.350113	6.50E-15	0.008459	0.85533	0.029146	0.52981	0.0297	0.52202
1.21E-05	0.201327	1.17E-05	0.085268	0.06561	-0.02959	0.52359	0.043416	0.34919
1.80E-25	0.406094	5.72E-20	0.086038	0.0632	-0.00063	0.98915	0.216382	2.36E-06
0.00013	0.177009	0.00012	0.028427	0.54001	-0.01856	0.68906	-0.02233	0.63035
3.33E-12	0.412886	1.19E-20	0.094683	0.04083	0.131089	0.00455	0.233009	3.54E-07
4.76E-25	0.436084	4.23E-23	0.041434	0.37165	0.020342	0.66106	0.064491	0.16411
5.44E-06	0.171744	0.00019	-0.08971	0.0527	-0.05583	0.22849	0.00333	0.94279
0.17321	0.1161	0.01205	-0.08151	0.07845	-0.08839	0.05628	-0.1051	0.02312
0.00023	0.273489	1.86E-09	0.110274	0.01713	0.075604	0.10273	0.075641	0.10256
4.39E-07	0.304627	1.74E-11	0.066816	0.1494	0.076242	0.09985	0.078372	0.0907
0.00041	0.1839	6.40E-05	-0.07744	0.09464	-0.00486	0.91658	-0.00431	0.92591
1.26E-32	0.572789	4.55E-42	0.101248	0.02869	0.09704	0.03605	0.099919	0.03086

2.36E-08	0.218938	1.78E-06	-0.00012	0.99796	0.023926	0.60604	0.134796	0.00352
0.12109	0.187864	4.40E-05	0.047291	0.30782	0.046425	0.31678	0.164084	0.00037
3.23E-05	0.168474	0.00026	0.040275	0.38519	0.039941	0.38915	0.107242	0.02045
0.01652	0.084808	0.06708	0.048834	0.29229	-0.00355	0.93898	0.155185	0.00077
0.00843	0.120459	0.00917	0.11085	0.01655	0.005119	0.91216	0.099091	0.03228
1.45E-34	0.657438	3.94E-59	0.080363	0.08278	0.14764	0.00138	0.18595	5.28E-05
3.23E-36	0.650629	1.48E-57	0.03215	0.48825	0.076843	0.0972	0.103538	0.02525
1.11E-08	0.435652	4.72E-23	0.056204	0.2254	0.126461	0.00621	0.077514	0.0943
3.96E-61	0.694159	2.16E-68	0.083023	0.07306	0.06486	0.16171	0.190402	3.45E-05
1.36E-25	0.356514	1.92E-15	0.035689	0.44164	-0.03921	0.39784	0.067011	0.14822
9.34E-20	0.474653	1.30E-27	0.125644	0.00655	0.032439	0.48435	0.07024	0.12959
1.79E-36	0.547827	6.25E-38	0.102085	0.02739	0.0423	0.36173	0.205024	7.96E-06
1.85E-07	0.220144	1.56E-06	0.13753	0.0029	-0.00936	0.84012	0.196681	1.86E-05
4.38E-19	0.46598	1.51E-26	0.051052	0.27089	0.046781	0.31307	0.19298	2.68E-05
3.34E-33	0.583353	6.28E-44	0.111644	0.01579	0.120952	0.00889	0.169833	0.00023
1.36E-42	0.619934	6.30E-51	0.057781	0.21264	0.088801	0.05515	0.336187	8.40E-14
1.01E-18	0.455	3.05E-25	0.124491	0.00707	0.05811	0.21004	0.087221	0.05965
1.93E-22	0.464148	2.51E-26	0.043321	0.35025	0.165946	0.00032	0.188166	4.28E-05
6.67E-20	0.432595	1.02E-22	-8.63E-05	0.99852	0.04147	0.37124	0.116981	0.01141
5.98E-50	0.702522	1.07E-70	0.080637	0.08173	0.142731	0.00199	0.176597	0.00012
4.97E-33	0.602182	2.04E-47	0.096721	0.03667	0.115046	0.01286	0.146275	0.00153
4.80E-11	0.308062	1.01E-11	0.05593	0.22767	-0.02974	0.52145	0.117264	0.01121
4.64E-13	0.316385	2.57E-12	0.075437	0.10349	-0.02318	0.61739	0.16102	0.00048
6.30E-47	0.614847	6.73E-50	0.06327	0.17226	0.084717	0.06738	0.130434	0.00475
3.61E-06	0.252026	3.37E-08	0.137161	0.00298	0.123642	0.00747	-0.0639	0.16799
0.01458	0.05035	0.27754	0.034963	0.45099	-0.0184	0.6917	0.104081	0.02449
9.35E-16	0.285714	3.19E-10	-0.05298	0.25317	-0.07414	0.10957	0.100938	0.02918
1.11E-22	0.517419	2.45E-33	0.095112	0.03992	0.035724	0.44119	0.127911	0.00564
7.19E-36	0.572941	4.29E-42	0.111773	0.01567	0.079628	0.08564	0.263227	7.68E-09
1.16E-09	0.398838	2.94E-19	0.191543	3.09E-05	0.148172	0.00132	0.052428	0.25817
1.16E-28	0.531646	1.99E-35	0.077946	0.09248	0.116382	0.01184	0.159474	0.00054
5.82E-30	0.549715	3.13E-38	0.031996	0.49035	0.089896	0.05221	0.150902	0.00107
9.39E-43	0.635346	3.67E-54	0.057572	0.2143	0.088104	0.0571	0.085081	0.06621
8.43E-18	0.395405	6.30E-19	0.078283	0.09107	-0.03588	0.43917	0.128788	0.00531
1.12E-24	0.441067	1.19E-23	0.031301	0.49981	0.001706	0.97067	-0.08176	0.07756
3.11E-12	0.435724	4.63E-23	0.048988	0.29077	0.124897	0.00688	0.337664	6.44E-14
1.66E-39	0.68887	5.67E-67	0.088246	0.0567	0.106784	0.021	0.167431	0.00028
0.27603	-0.03221	0.48742	0.047998	0.30064	-0.0917	0.04765	-0.03557	0.44315
1.26E-40	0.615766	4.40E-50	0.123573	0.00751	0.108864	0.01861	0.228444	6.05E-07
9.97E-17	0.387085	3.84E-18	0.023963	0.60549	0.023367	0.61448	0.202757	1.01E-05
6.30E-13	0.188927	3.98E-05	0.051266	0.26889	0.02458	0.59622	0.098088	0.03408
2.01E-05	0.304246	1.85E-11	-0.01692	0.71539	0.065269	0.15907	0.082142	0.07617
1.05E-32	0.499344	8.07E-31	0.09867	0.03303	0.053797	0.24593	0.251448	3.63E-08
6.77E-23	0.446531	2.88E-24	0.071866	0.12093	0.060221	0.19392	0.052825	0.25458
3.68E-41	0.608935	1.00E-48	0.150979	0.00107	0.09124	0.04878	0.211985	3.81E-06

5.33E-24	0.421009	1.74E-21	-0.04985	0.2824	-0.01493	0.74762	0.162286	0.00043
2.37E-33	0.510522	2.33E-32	0.069873	0.13161	0.071949	0.1205	0.250531	4.08E-08
2.64E-12	0.343237	2.34E-14	0.079044	0.08796	0.025841	0.57752	0.016807	0.71717
1.10E-24	0.515201	5.08E-33	0.080176	0.0835	0.12748	0.0058	0.371737	9.45E-17
2.37E-44	0.597321	1.71E-46	0.095861	0.03838	0.062648	0.17653	0.202524	1.03E-05
5.45E-33	0.570047	1.35E-41	0.089613	0.05296	0.081958	0.07683	0.124332	0.00714
5.49E-26	0.517824	2.14E-33	0.119768	0.00958	0.090685	0.05017	0.506922	7.40E-32
1.24E-55	0.701803	1.70E-70	0.083841	0.07027	0.118887	0.01013	0.260595	1.09E-08
7.74E-20	0.482758	1.23E-28	0.027486	0.55352	0.055295	0.23301	0.156136	0.00071
7.82E-32	0.598109	1.21E-46	0.07252	0.11757	0.167387	0.00028	0.351575	4.94E-15
0.01083	-0.17969	9.44E-05	-0.02841	0.54028	-0.15193	0.00099	0.056568	0.22241
0.30518	-0.1118	0.01564	-0.01264	0.78535	-0.18998	3.59E-05	0.126098	0.00636
0.00513	-0.16837	0.00026	0.002389	0.95894	-0.14757	0.00138	0.062151	0.17999
0.04473	-0.17313	0.00017	-0.01986	0.66863	-0.18607	5.22E-05	0.113233	0.01435
3.64E-05	-0.11027	0.01713	-0.09339	0.04369	-0.07483	0.10629	0.028624	0.53722
0.13084	-0.21854	1.86E-06	-0.05735	0.21608	-0.21415	3.02E-06	0.070096	0.13038
0.00752	0.216774	2.26E-06	-0.03739	0.42019	-0.036	0.43768	0.185233	5.65E-05
0.01822	0.068253	0.14083	-0.04349	0.34834	-0.17987	9.29E-05	0.097468	0.03523
0.00721	0.233426	3.37E-07	-0.04868	0.2938	-0.10202	0.02748	0.193706	2.50E-05
0.00141	-0.24412	9.17E-08	-0.06191	0.18167	-0.1005	0.0299	0.067046	0.148
0.10556	-0.06391	0.16793	-0.13607	0.00322	-0.12059	0.00909	-0.08086	0.0809
0.00896	-0.15532	0.00076	-0.00581	0.9003	-0.11035	0.01705	0.062189	0.17972
0.00073	-0.27393	1.75E-09	-0.16269	0.00042	-0.17108	0.0002	0.062479	0.1777
2.54E-07	0.198748	1.51E-05	-0.07376	0.11142	-0.04148	0.37107	0.252449	3.19E-08
0.00489	-0.18784	4.41E-05	0.00757	0.87039	-0.11541	0.01257	0.049317	0.28754
3.97E-05	0.214561	2.88E-06	0.068047	0.14203	-0.088	0.05741	0.01454	0.75399
0.91562	-0.06087	0.18914	-0.07023	0.12967	-0.13435	0.00363	0.112326	0.01516
0.10706	0.011857	0.79829	-0.03937	0.39598	-0.15574	0.00073	0.184034	6.32E-05
0.00187	0.106257	0.02164	-0.05352	0.2484	-0.09888	0.03266	0.208564	5.49E-06
0.32677	0.126456	0.00621	-0.14759	0.00138	-0.03459	0.45588	0.120109	0.00938
0.16378	0.205192	7.82E-06	-0.07925	0.08713	-0.01436	0.7569	0.105611	0.02246
3.84E-07	0.296519	6.22E-11	0.022089	0.63398	-0.02068	0.65583	0.264547	6.42E-09
1.05E-25	0.299047	4.20E-11	0.009063	0.84513	-0.17927	9.81E-05	0.125889	0.00645
8.88E-06	-0.20786	5.92E-06	-0.1726	0.00018	-0.12403	0.00728	0.091514	0.0481
0.86992	0.007344	0.87423	-0.08784	0.05786	-0.12726	0.00589	0.138262	0.00275
0.52268	-0.02694	0.56136	-0.06062	0.19098	-0.16938	0.00024	0.132985	0.00399
0.20433	-0.156	0.00072	-0.14204	0.00209	-0.14967	0.00118	0.039058	0.39973
0.0012	-0.1564	0.00069	-0.08221	0.07591	-0.11333	0.01427	0.074096	0.10979
0.25072	0.018135	0.69589	0.012065	0.79484	-0.12222	0.00819	0.079015	0.08808
0.00154	-0.24274	1.09E-07	-0.12124	0.00873	-0.17963	9.49E-05	0.086665	0.0613
0.23618	0.13914	0.00258	-0.01025	0.82508	-0.10606	0.02188	0.071656	0.12203
0.03894	-0.11088	0.01652	-0.06862	0.13868	-0.11725	0.01122	0.027081	0.55938
0.77798	-0.03441	0.45819	-0.05089	0.27244	-0.19989	1.35E-05	0.142099	0.00208
1.38E-06	-0.26841	3.78E-09	-0.016	0.73013	-0.10688	0.02088	-0.01302	0.77902
0.00037	0.126043	0.00638	-0.05926	0.20116	-0.15534	0.00076	0.18458	6.00E-05

0.1053	-0.09247	0.0458	-0.10872	0.01876	-0.11453	0.01327	0.029219	0.52878
0.12025	-0.14752	0.00139	-0.05991	0.19623	-0.11178	0.01567	0.007164	0.87729
0.0001	-0.14331	0.0019	-0.11155	0.01587	-0.07487	0.10611	0.121104	0.0088
0.00038	-0.16493	0.00034	-0.15746	0.00064	-0.11032	0.01708	0.025075	0.58885
0.49366	0.044341	0.33901	0.035608	0.44268	-0.10169	0.028	0.20952	4.96E-06
6.85E-19	0.279466	7.95E-10	0.041888	0.36643	-0.10876	0.01873	0.260168	1.16E-08
0.48989	-0.00022	0.99625	-0.06029	0.19343	-0.04936	0.28716	0.236986	2.20E-07
0.00151	-0.11594	0.01217	-0.08726	0.05952	-0.12617	0.00633	0.003726	0.936
0.0104	0.032572	0.48256	-0.00393	0.93243	-0.11449	0.0133	0.170101	0.00022
7.88E-05	0.16352	0.00039	-0.08622	0.06265	-0.1133	0.0143	0.099233	0.03203
0.3103	-0.13782	0.00284	-0.12583	0.00647	-0.15949	0.00054	-0.05896	0.20344
1.29E-07	-0.27938	8.04E-10	0.005398	0.90739	-0.15228	0.00096	-0.01975	0.67039
0.13785	-0.03773	0.41596	-0.00187	0.96792	-0.08615	0.06286	0.145702	0.00159
0.002	-0.25387	2.65E-08	-0.03251	0.48344	-0.16525	0.00034	0.048931	0.29133
0.00017	-0.30685	1.22E-11	-0.0742	0.10929	-0.14642	0.00151	0.083165	0.07257
0.56087	-0.07377	0.11135	-0.05872	0.2053	-0.08876	0.05528	0.054059	0.24364
3.01E-06	-0.14758	0.00138	-0.13492	0.00349	-0.06474	0.1625	0.03943	0.39525
0.5291	-0.05335	0.24988	-0.04525	0.32918	-0.17599	0.00013	0.095783	0.03854
2.79E-09	0.134877	0.0035	-0.02606	0.57426	-0.12515	0.00677	0.207169	6.36E-06
0.01843	-0.15155	0.00102	-0.17144	0.0002	-0.0588	0.20465	0.049569	0.28508
0.90551	-0.06064	0.19086	0.032181	0.48784	-0.1518	0.001	0.038925	0.40134
0.88071	-0.05822	0.20916	-0.07207	0.11985	-0.18269	7.16E-05	0.027446	0.5541
0.00151	0.059444	0.19974	-0.02059	0.65725	-0.07061	0.12759	0.182761	7.11E-05
0.00779	0.001227	0.9789	-0.00804	0.86237	-0.03823	0.40981	-0.04742	0.30647
0.01317	-0.02292	0.62129	-0.04899	0.29079	-0.0613	0.18602	-0.02308	0.6189
0.65965	-0.06311	0.17338	-0.05315	0.25165	-0.14814	0.00133	0.116913	0.01146
0.06635	0.145204	0.00165	0.048435	0.29626	-0.04748	0.30585	0.109487	0.01794
1.12E-07	0.225074	8.92E-07	-0.10749	0.02016	-0.03434	0.45911	0.19743	1.73E-05
8.47E-08	-0.32518	5.80E-13	-0.02752	0.55306	-0.13255	0.00411	0.073077	0.11477
9.07E-05	-0.13463	0.00356	-0.1947	2.27E-05	-0.05757	0.21428	0.039214	0.39785
0.00049	-0.20518	7.83E-06	-0.04143	0.37175	-0.10729	0.02039	0.092474	0.04579
0.6569	0.047403	0.30668	0.044679	0.33534	-0.10071	0.02955	0.042255	0.36225
7.80E-05	-0.27762	1.04E-09	-0.05731	0.2164	-0.1249	0.00688	0.019781	0.66984
0.0004	-0.24154	1.26E-07	-0.04158	0.36992	-0.21694	2.22E-06	0.057164	0.21757
0.00826	-0.03541	0.44517	-0.07888	0.08863	-0.09783	0.03455	0.049071	0.28996
0.67762	-0.05048	0.27627	-0.12981	0.00496	-0.12781	0.00568	-0.00402	0.93095
5.94E-09	-0.28613	3.00E-10	-0.14611	0.00155	-0.14753	0.00139	0.046217	0.31895
6.90E-05	-0.1776	0.00011	-0.12693	0.00602	-0.09495	0.04026	0.12981	0.00496
0.00015	-0.27613	1.28E-09	-0.12034	0.00924	-0.18426	6.19E-05	0.02036	0.66078
0.02772	-0.09903	0.03239	-0.07063	0.12746	-0.15486	0.00079	0.034126	0.46191
0.49802	0.099138	0.0322	-0.10596	0.02201	-0.0652	0.15949	0.067888	0.14297
1.37E-29	0.418169	3.42E-21	0.052787	0.25493	0.000165	0.99715	0.243927	9.40E-08
1.84E-19	0.403787	9.67E-20	0.028186	0.54345	-0.0889	0.05489	0.248096	5.57E-08
0.18303	0.014464	0.75524	0.063963	0.1676	-0.19565	2.06E-05	0.127516	0.00579
8.94E-05	0.132503	0.00413	-0.04829	0.29767	-0.09749	0.0352	0.151533	0.00102

0.00245	0.058967	0.20338	-0.07848	0.09026	-0.10523	0.02295	0.202591	1.02E-05
0.02886	-0.08198	0.07675	-0.09257	0.04556	-0.06914	0.13571	0.11003	0.01738
3.77E-08	0.234575	2.94E-07	0.05709	0.21817	-0.05713	0.21781	0.245128	8.09E-08
3.76E-05	-0.19781	1.66E-05	-0.09546	0.03919	-0.16477	0.00035	0.06251	0.17748
0.36022	0.05735	0.21607	-0.03234	0.48572	-0.09015	0.05156	0.083363	0.07189
0.43527	0.064464	0.16429	-0.04831	0.29753	-0.09401	0.04229	0.144086	0.0018
3.00E-05	0.220271	1.54E-06	-0.01614	0.72801	-0.02951	0.52471	0.202036	1.08E-05
0.02613	-0.17975	9.39E-05	-0.05738	0.2158	-0.14925	0.00122	0.091947	0.04705
6.95E-09	-0.2825	5.12E-10	-0.11482	0.01304	-0.15874	0.00058	0.012695	0.78437
6.99E-07	0.081622	0.07806	-0.06302	0.17399	-0.10708	0.02064	0.074678	0.10702
0.1867	-0.14751	0.00139	-0.04787	0.3019	-0.1607	0.00049	0.081765	0.07753
0.46759	0.161543	0.00046	-0.07423	0.10915	-0.04187	0.36666	0.050556	0.27558
0.00015	-0.22322	1.10E-06	-0.04132	0.37296	-0.09843	0.03346	0.008792	0.84971
0.76328	-0.02717	0.55806	0.018122	0.69609	-0.14073	0.0023	0.046244	0.31867
0.19391	-0.09039	0.05092	-0.20485	8.11E-06	-0.18583	5.34E-05	-0.00451	0.9226
0.12361	-0.08618	0.06277	-0.09694	0.03625	-0.17244	0.00018	0.041898	0.36632
0.00061	-0.29066	1.52E-10	-0.17771	0.00011	-0.18923	3.86E-05	0.104845	0.02346
0.03497	-0.08666	0.06131	-0.02019	0.66345	-0.09686	0.03639	0.103305	0.02559
0.19078	-0.14033	0.00237	-0.24981	4.47E-08	-0.15243	0.00095	0.113264	0.01433
0.16871	-0.01725	0.70997	0.009556	0.83682	-0.12799	0.00561	0.043312	0.35035
0.87525	-0.11479	0.01306	-0.09372	0.04294	-0.22075	1.46E-06	0.025863	0.57719
0.00259	0.189562	3.74E-05	-0.05674	0.22097	-0.03573	0.44108	0.057754	0.21285
0.64655	-0.04606	0.32065	-0.02781	0.54887	-0.09819	0.03389	0.15408	0.00084
0.01508	-0.19827	1.59E-05	-0.0626	0.17685	-0.18528	5.62E-05	0.050531	0.27582
0.00676	0.125198	0.00675	0.037298	0.42132	-0.08819	0.05686	0.112447	0.01505
0.01352	-0.14097	0.00226	-0.10069	0.02959	-0.07728	0.0953	0.018304	0.69319
0.00183	-0.23293	3.58E-07	0.000399	0.99314	-0.09499	0.04019	0.04029	0.38502
0.08181	0.128415	0.00545	-0.08508	0.06621	-0.09716	0.03581	0.109183	0.01827
0.13583	-0.04534	0.32826	-0.03494	0.45124	-0.13274	0.00406	0.123282	0.00765
0.06304	0.040334	0.38449	-0.1802	9.01E-05	-0.15894	0.00057	0.093231	0.04404
0.03328	-0.1107	0.0167	-0.15188	0.00099	-0.11933	0.00985	-0.01964	0.67203
0.00898	0.145189	0.00166	-0.09105	0.04926	-0.10261	0.02661	0.140074	0.00241
0.34984	-0.09682	0.03648	-0.0096	0.83605	-0.14527	0.00165	0.060982	0.18834
0.08584	-0.00051	0.99123	-0.13778	0.00285	-0.04521	0.32966	0.06088	0.18908
0.11636	-0.14945	0.0012	-0.00753	0.87105	-0.20078	1.23E-05	0.058826	0.20447
0.18042	-0.05608	0.22647	0.020151	0.66405	-0.14655	0.00149	0.076174	0.10015
1.51E-06	-0.25599	2.01E-08	-0.15074	0.00109	-0.11407	0.01364	0.034462	0.45751
0.05634	-0.08471	0.06739	-0.10394	0.02469	-0.1602	0.00051	0.027145	0.55846
7.33E-11	-0.31621	2.65E-12	0.054236	0.2421	-0.03968	0.39221	0.061405	0.18528
0.07069	-0.14479	0.00171	-0.13558	0.00333	-0.15035	0.00112	0.097958	0.03432
0.27863	0.019566	0.67322	-0.05954	0.19904	-0.10445	0.02398	0.129135	0.00519
0.07139	-0.11378	0.01389	-0.03693	0.42597	-0.14613	0.00154	0.101424	0.02841
1.58E-14	-0.4773	6.05E-28	-0.12646	0.00621	-0.14671	0.00148	0.040635	0.38095
0.16785	-0.16584	0.00032	-0.00077	0.98675	-0.08563	0.06446	0.075715	0.10222
4.69E-13	-0.36916	1.59E-16	-0.11228	0.0152	-0.23172	4.12E-07	-0.04523	0.32939



2.00E-11	-0.48506	6.22E-29	-0.06277	0.17569	-0.15484	0.00079	0.041144	0.37501
0.84449	-0.03559	0.44289	-0.12463	0.00701	-0.18588	5.31E-05	0.107316	0.02036
0.2554	-0.18416	6.25E-05	-0.10588	0.02211	-0.17551	0.00014	-0.03343	0.47106
5.16E-07	-0.36353	4.89E-16	-0.18026	8.96E-05	-0.21776	2.03E-06	0.070725	0.12696
0.00136	-0.23268	3.68E-07	-0.1936	2.53E-05	-0.21684	2.25E-06	0.015525	0.73791
0.29805	-0.07245	0.11792	-0.08904	0.05449	-0.1223	0.00815	-0.03536	0.44588
0.00097	-0.17024	0.00022	-0.0583	0.20854	-0.19404	2.42E-05	0.084604	0.06775
0.56617	-0.01711	0.71227	-0.18011	9.09E-05	-0.00943	0.83899	0.055657	0.22996
0.00629	-0.22187	1.28E-06	-0.03375	0.4668	-0.1313	0.00448	0.079225	0.08723
0.00661	0.135948	0.00324	-0.03037	0.51267	-0.15527	0.00076	0.035657	0.44206
0.4101	-0.12064	0.00906	-0.09135	0.0485	-0.16033	0.00051	-0.00984	0.83201
0.00782	-0.18098	8.38E-05	-0.05515	0.2342	-0.20455	8.36E-06	-0.02312	0.61827
0.08424	-0.19814	1.61E-05	-0.0342	0.46089	-0.18209	7.57E-05	-0.01195	0.79667
0.68867	-0.14191	0.00211	-0.09579	0.03853	-0.15121	0.00105	0.07965	0.08555
0.00398	-0.24471	8.52E-08	-0.00719	0.87689	-0.18789	4.39E-05	0.090844	0.04977
1.98E-05	0.181459	8.03E-05	-0.10519	0.02301	-0.08901	0.05458	0.234604	2.93E-07
1.21E-07	-0.23188	4.05E-07	-0.20529	7.75E-06	-0.1086	0.0189	0.043654	0.34656
0.20584	0.11022	0.01718	-0.057	0.21891	-0.01782	0.70098	0.128413	0.00545
0.00021	-0.16032	0.00051	-0.0181	0.69647	-0.07471	0.10686	-0.08858	0.05578
0.36378	-0.03648	0.43163	-0.0687	0.13824	-0.11473	0.01311	-0.02703	0.56018
0.6971	-0.04234	0.36128	-0.02785	0.54821	-0.13798	0.00281	0.019098	0.68061
2.94E-13	0.466922	1.16E-26	0.075889	0.10143	0.185252	5.64E-05	0.013944	0.76377
7.22E-20	0.507227	6.72E-32	0.020951	0.65156	0.062874	0.17496	0.024289	0.60059
4.75E-21	0.524193	2.54E-34	0.075499	0.10321	0.158215	0.0006	0.012545	0.78686
1.59E-17	0.470127	4.70E-27	0.091619	0.04784	0.038756	0.40339	0.073521	0.11258
4.44E-31	0.661345	4.70E-60	0.116344	0.01187	0.206389	6.90E-06	0.115381	0.01259
2.25E-41	0.656663	5.98E-59	0.120235	0.0093	0.114991	0.0129	0.116695	0.01161
0.00339	0.202699	1.01E-05	0.096326	0.03745	0.117592	0.01098	0.02339	0.61414
1.67E-25	0.511759	1.56E-32	0.090725	0.05007	0.0956	0.03891	-0.01885	0.6846
5.35E-10	0.367638	2.16E-16	0.125814	0.00648	-0.00022	0.99624	0.07066	0.12731
5.09E-19	0.459403	9.25E-26	0.118308	0.0105	0.100227	0.03034	0.036382	0.43283
5.95E-12	0.319529	1.52E-12	0.08461	0.06773	0.054013	0.24404	0.069856	0.13171
2.95E-33	0.601628	2.60E-47	0.184745	5.91E-05	0.098216	0.03385	0.070135	0.13017
1.58E-14	0.430599	1.67E-22	0.095227	0.03968	0.079979	0.08426	0.020163	0.66385
1.87E-27	0.572613	4.88E-42	0.112448	0.01505	0.111401	0.01602	0.127876	0.00565
3.39E-30	0.574377	2.42E-42	0.161494	0.00046	0.116271	0.01192	0.198461	1.56E-05
4.62E-11	0.455729	2.51E-25	0.138609	0.00268	0.182227	7.48E-05	0.128755	0.00533
5.16E-28	0.570498	1.13E-41	0.10322	0.02571	0.141532	0.00217	0.28573	3.18E-10
5.50E-06	0.25364	2.73E-08	0.048574	0.29487	0.112736	0.01479	-0.03567	0.44187
9.38E-19	0.516275	3.57E-33	0.077208	0.09561	0.152198	0.00097	-0.01183	0.79877
2.87E-11	0.369418	1.51E-16	-0.02525	0.58626	0.089	0.05461	-0.02328	0.61576
2.70E-26	0.561799	3.34E-40	0.075032	0.10536	0.129064	0.00522	0.146	0.00156
2.71E-15	0.42088	1.79E-21	0.041844	0.36693	0.104653	0.02372	0.099186	0.03212
0.00029	0.167676	0.00027	0.004987	0.91441	0.09764	0.03491	0.010344	0.82357
2.68E-13	0.441107	1.18E-23	0.030764	0.50721	0.098756	0.03287	-0.02806	0.54528

2.55E-09	0.347424	1.08E-14	0.079567	0.08588	0.155103	0.00077	0.125935	0.00643
3.63E-25	0.580605	1.94E-43	0.127981	0.00561	0.075957	0.10113	0.043241	0.35114
2.36E-12	0.408004	3.69E-20	0.010074	0.82812	0.157787	0.00062	0.081162	0.07975
4.19E-05	0.278138	9.62E-10	0.051007	0.27131	0.148167	0.00132	-0.02103	0.6503
0.03609	0.186679	4.93E-05	0.007445	0.87252	0.116888	0.01148	0.114297	0.01346
0.78121	-0.01143	0.80536	-0.00074	0.9873	0.041485	0.37107	-0.01693	0.71517
1.00E-22	0.551421	1.67E-38	0.11099	0.01642	0.170153	0.00022	0.021595	0.64159
3.21E-06	0.363184	5.24E-16	0.063267	0.17228	0.138473	0.00271	0.077022	0.09642
2.19E-29	0.591011	2.55E-45	0.136376	0.00315	0.152746	0.00093	0.059414	0.19997
1.99E-11	0.412178	1.40E-20	0.03898	0.40067	0.18855	4.12E-05	0.003521	0.9395
7.12E-14	0.464451	2.31E-26	0.001344	0.97689	0.113309	0.01429	0.142566	0.00201
5.49E-13	0.420237	2.09E-21	-0.03569	0.44163	0.154384	0.00082	0.066127	0.15365
5.80E-12	0.385832	5.02E-18	0.055243	0.23345	0.127646	0.00574	0.162578	0.00042
3.67E-34	0.628893	8.74E-53	0.072173	0.11935	0.159633	0.00053	0.103682	0.02505
8.10E-16	0.433585	7.93E-23	0.086741	0.06107	0.142653	0.002	0.019251	0.67818
9.99E-21	0.515706	4.30E-33	-0.03199	0.49039	0.158239	0.0006	0.045263	0.32906
2.13E-16	0.463674	2.86E-26	0.033997	0.46361	0.141979	0.0021	0.08535	0.06535
2.30E-09	0.354744	2.70E-15	0.057718	0.21314	0.13062	0.00469	0.022005	0.63528
3.68E-20	0.457478	1.56E-25	-0.00418	0.92824	0.077572	0.09406	0.029528	0.52442
1.62E-12	0.390932	1.68E-18	0.102292	0.02708	0.141687	0.00215	0.109446	0.01799
6.68E-32	0.594406	5.99E-46	0.032738	0.48034	0.131023	0.00457	0.131117	0.00454
0.67365	0.01812	0.69612	0.07452	0.10777	0.084539	0.06796	0.248871	5.05E-08
6.81E-08	0.287978	2.28E-10	0.019677	0.67147	0.114609	0.0132	0.085344	0.06537
6.33E-05	0.208619	5.46E-06	0.031849	0.49234	0.058265	0.20882	0.162052	0.00044
0.055	0.168581	0.00025	0.022574	0.62656	0.080895	0.08075	-0.13138	0.00446
0.00012	0.14	0.00243	-0.08239	0.07528	-0.00236	0.9595	0.102855	0.02624
0.21966	0.014035	0.76228	-0.07768	0.09361	-0.13901	0.00261	-0.15555	0.00074
2.49E-06	0.124694	0.00698	-0.10733	0.02035	-0.02141	0.64439	-0.03139	0.49858
0.01989	0.051804	0.26389	-0.04423	0.34018	-0.13415	0.00368	-0.04037	0.38409
6.03E-09	0.251623	3.55E-08	-0.01985	0.6687	-0.01074	0.81693	-0.14454	0.00174
0.00104	0.011335	0.807	-0.04234	0.36126	-0.09516	0.03983	-0.12348	0.00755
1.51E-24	0.365085	3.60E-16	-0.03558	0.44298	-0.02094	0.65167	0.2176	2.07E-06
0.00164	-0.0209	0.65243	-0.08991	0.05218	-0.11	0.0174	0.03995	0.38904
3.41E-26	0.363731	4.70E-16	-0.05447	0.24004	-0.01888	0.68398	0.046866	0.3122
0.24345	-0.00948	0.83818	-0.14279	0.00198	-0.00986	0.83166	-0.10675	0.02104
1.05E-18	0.261224	1.01E-08	0.023127	0.61813	-0.00881	0.84946	0.001109	0.98094
0.00028	0.005719	0.9019	-0.14055	0.00233	-0.03548	0.44431	-0.12349	0.00755
0.22838	0.006807	0.88336	-0.06628	0.15267	0.009824	0.83231	-0.06228	0.17905
1.07E-08	0.19978	1.36E-05	0.104798	0.02352	0.037891	0.41397	0.097035	0.03606
6.66E-07	0.119392	0.00981	-0.00867	0.85179	-0.14429	0.00177	0.099793	0.03107
3.63E-06	0.221466	1.34E-06	-0.04927	0.28799	-0.05169	0.26495	0.145742	0.00159
0.00015	0.097631	0.03493	-0.13658	0.0031	-0.09212	0.04664	0.026911	0.56184
3.56E-06	0.049691	0.28389	-0.10253	0.02672	-0.08744	0.05901	-0.06515	0.15985
3.32E-10	0.23524	2.71E-07	-0.04475	0.33455	0.043048	0.3533	0.06543	0.15805
0.04204	-0.01952	0.67396	0.054397	0.2407	0.075867	0.10153	-0.19492	2.22E-05

0.3523	-0.00559	0.90411	-0.03281	0.47941	-0.17796	0.00011	-0.04097	0.37702
0.60713	-0.03692	0.42601	0.14362	0.00186	-0.03535	0.446	-0.01557	0.73723
1.67E-26	0.441533	1.05E-23	-0.07081	0.12649	-0.00108	0.98136	0.021767	0.63894
5.25E-09	0.177414	0.00012	-0.05563	0.23016	0.004775	0.91803	0.003275	0.94372
3.92E-07	0.181384	8.08E-05	-0.09761	0.03497	-0.06919	0.13543	-0.05332	0.25017
0.0021	0.173976	0.00016	-0.04387	0.34413	-0.05373	0.24653	-0.08182	0.07734
7.42E-08	0.1893	3.84E-05	-0.05784	0.2122	0.000233	0.996	0.05708	0.21824
9.47E-14	0.270133	2.98E-09	-0.03678	0.4278	-0.06816	0.14138	0.084376	0.0685
1.17E-12	0.203773	9.06E-06	-0.07489	0.106	0.002396	0.95882	0.055364	0.23243
0.00146	0.029393	0.52633	0.001976	0.96603	-0.06675	0.14979	0.082757	0.07399
0.07685	-0.01978	0.66989	-0.17301	0.00017	-0.09798	0.03428	0.077103	0.09607
3.84E-17	0.328948	3.02E-13	-0.02212	0.63343	0.014055	0.76194	0.073816	0.11114
1.28E-29	0.388954	2.57E-18	9.52E-05	0.99836	-0.06714	0.14745	0.105701	0.02234
1.26E-18	0.348621	8.61E-15	0.057942	0.21136	-0.04524	0.32928	0.085537	0.06476
3.69E-11	0.286526	2.83E-10	-0.06502	0.16067	-0.03618	0.43537	0.131072	0.00455
1.35E-36	0.529293	4.47E-35	-0.00409	0.92977	0.016414	0.72351	0.132063	0.00425
2.08E-10	0.166477	0.0003	-0.09133	0.04856	0.006534	0.888	0.072116	0.11964
5.69E-12	0.269214	3.39E-09	-0.1365	0.00312	-0.03267	0.48131	0.162148	0.00043
0.00572	0.01096	0.81326	0.025786	0.57832	0.122227	0.00819	-0.07921	0.08731
3.07E-09	0.176283	0.00013	-0.11086	0.01655	-0.05982	0.19694	0.014506	0.75454
5.87E-08	0.04045	0.38313	-0.03193	0.49126	-0.07764	0.09375	0.143398	0.00189
0.70193	-0.06529	0.15893	-0.00803	0.86262	-0.11009	0.01732	-0.03444	0.45779
0.00244	0.043604	0.34711	-0.19446	2.32E-05	-0.03231	0.48603	0.118364	0.01047
3.50E-19	0.287298	2.52E-10	-0.07233	0.11852	-0.0287	0.53617	0.028249	0.54255
2.55E-13	0.256386	1.91E-08	0.005441	0.90664	0.014735	0.75079	-0.02537	0.58444
1.33E-13	0.245312	7.90E-08	-0.0646	0.16339	-0.02758	0.55209	0.122969	0.00781
2.31E-13	0.217466	2.10E-06	0.032877	0.47847	-0.08012	0.0837	0.092284	0.04624
3.23E-19	0.332117	1.73E-13	0.036026	0.43734	-0.03513	0.44889	-0.02183	0.63793
0.00152	0.022977	0.6204	-0.03126	0.50045	0.027587	0.55206	-0.06364	0.16977
0.03749	0.046682	0.3141	0.103966	0.02465	-0.01237	0.78983	0.128873	0.00528
2.39E-13	0.221193	1.39E-06	0.00073	0.98744	0.000822	0.98586	0.088268	0.05664
4.70E-15	0.30564	1.48E-11	0.130251	0.00481	-0.05502	0.23536	0.151399	0.00103
1.12E-30	0.503826	1.98E-31	-0.01808	0.69676	0.085752	0.06409	0.141653	0.00215
7.96E-21	0.358422	1.33E-15	-0.00348	0.9403	-0.02438	0.59926	-0.0169	0.71568
7.15E-08	0.157413	0.00064	-0.07701	0.09647	-0.081	0.08038	0.166566	0.0003
2.68E-08	0.092151	0.04656	0.005445	0.90657	-0.02815	0.54396	0.012137	0.79365
5.39E-12	0.216139	2.43E-06	-0.01145	0.80514	0.001636	0.97187	0.148587	0.00128
3.25E-24	0.411193	1.77E-20	0.004328	0.92568	0.127013	0.00599	-0.08863	0.05564
0.00223	0.048468	0.29592	-0.0374	0.42	-0.15532	0.00076	0.035169	0.44832
4.90E-10	0.256955	1.77E-08	-0.0657	0.15633	0.011281	0.8079	-0.03597	0.43804
7.84E-31	0.486346	4.24E-29	-0.00741	0.87304	0.059319	0.20069	0.112428	0.01507
1.46E-07	0.126094	0.00636	-0.04075	0.37961	-0.04037	0.38405	-0.13903	0.0026
2.58E-12	0.398511	3.17E-19	-0.02116	0.6483	-0.07889	0.08858	0.167294	0.00028
8.49E-11	0.217986	1.98E-06	-0.0521	0.26115	-0.06038	0.1927	0.112312	0.01517
3.83E-18	0.333074	1.46E-13	0.012506	0.78752	-0.00788	0.86515	0.24141	1.28E-07

7.17E-05	0.116147	0.01201	-0.08478	0.06717	-0.13666	0.00308	-0.07324	0.11396
0.00283	-0.08753	0.05874	-0.05088	0.27252	-0.06822	0.14104	0.035729	0.44113
0.38297	0.000735	0.98736	-0.07207	0.11987	-0.03019	0.51515	-0.03625	0.43451
1.79E-17	0.312161	5.16E-12	0.017653	0.70358	-0.08466	0.06758	0.119993	0.00945
2.48E-24	0.40406	9.09E-20	-0.05339	0.24953	-0.00695	0.88093	0.132884	0.00402
3.85E-05	0.087772	0.05805	-0.08145	0.07869	-0.1088	0.01868	0.152918	0.00092
2.23E-16	0.290808	1.49E-10	-0.0408	0.37905	-0.0183	0.69318	-0.0277	0.55037
0.00685	-0.04751	0.30554	-0.08777	0.05804	-0.11575	0.01231	0.005373	0.90781
1.35E-07	0.140776	0.00229	-0.01631	0.72518	-0.02775	0.54968	0.11098	0.01643
0.03874	0.031761	0.49353	0.067466	0.14547	0.025449	0.5833	-0.12237	0.00811
9.80E-09	0.139246	0.00256	-0.06639	0.15199	-0.06109	0.18752	-0.13959	0.0025
2.50E-06	0.177301	0.00012	-0.04528	0.32883	0.001934	0.96676	-0.0829	0.07348
0.05145	0.002116	0.96362	-0.01127	0.80802	0.068018	0.1422	-0.14369	0.00185
2.99E-06	0.215151	2.70E-06	-0.08582	0.06386	-0.04835	0.29714	-0.05172	0.26463
2.79E-08	0.189218	3.87E-05	0.036	0.43766	0.071605	0.12229	0.12407	0.00727
0.40626	0.033991	0.46369	-0.10604	0.02192	-0.09767	0.03486	-0.1825	7.29E-05
0.14242	-0.00307	0.94733	-0.08081	0.08107	-0.09952	0.03153	0.144057	0.0018
7.13E-10	0.17259	0.00018	0.092177	0.0465	-0.09129	0.04866	0.071205	0.1244
1.78E-12	0.283844	4.20E-10	-0.02976	0.52114	-0.08616	0.06283	0.110554	0.01685
4.57E-37	0.407207	4.43E-20	-0.0711	0.12497	0.031393	0.49855	0.019921	0.66764
1.24E-35	0.498008	1.22E-30	0.040553	0.38192	0.063283	0.17217	0.260879	1.05E-08
8.36E-11	0.256737	1.82E-08	0.001638	0.97183	-0.01828	0.69357	0.026139	0.57313
9.39E-31	0.519164	1.37E-33	-0.04857	0.29489	0.029611	0.52326	0.093941	0.04245
3.65E-40	0.491376	9.33E-30	-0.01723	0.71042	-0.0832	0.07247	0.000647	0.98887
0.00909	-0.01654	0.7215	0.006643	0.88615	-0.10218	0.02725	0.000482	0.99172
0.00906	0.005404	0.90729	-0.10806	0.0195	-0.06188	0.18187	-0.1075	0.02014
2.53E-08	0.105446	0.02267	0.015044	0.74575	0.017887	0.69984	-0.04037	0.38412
1.18E-28	0.391319	1.54E-18	-0.0489	0.29162	0.012669	0.78481	0.206655	6.71E-06
2.60E-06	0.099051	0.03235	-0.11367	0.01398	-0.01091	0.81403	0.122856	0.00786
1.23E-12	0.19832	1.58E-05	0.117243	0.01123	-0.06365	0.16971	-0.00196	0.96636
7.42E-08	0.210914	4.28E-06	0.140023	0.00242	-0.06832	0.14042	-0.00938	0.83984
3.84E-21	0.248604	5.22E-08	-0.06021	0.19403	-0.04086	0.37827	0.020237	0.66269
0.00023	0.109119	0.01833	-0.01486	0.74875	-0.19822	1.60E-05	0.029474	0.52518
2.53E-05	0.089681	0.05278	0.014744	0.75065	-0.13097	0.00458	0.025542	0.58193
2.41E-09	0.211112	4.19E-06	-0.04355	0.34773	-0.04852	0.29542	0.203085	9.73E-06
1.32E-06	0.088108	0.05709	-0.05037	0.27733	-0.0083	0.85795	-0.1179	0.01078
0.00029	0.088138	0.057	-0.11375	0.01391	-0.11755	0.01101	0.041869	0.36665
0.00511	0.10322	0.02571	-0.00556	0.90461	-0.03755	0.41817	0.074744	0.10671
0.00357	-0.02238	0.62948	0.019349	0.67664	0.010992	0.81273	0.083229	0.07235
0.00342	0.054139	0.24294	-0.15391	0.00085	-0.11924	0.0099	0.117951	0.01074
0.01104	-0.01945	0.67506	0.05289	0.25399	0.033737	0.46703	-0.04895	0.29119
9.62E-12	0.207255	6.30E-06	-0.10586	0.02215	-0.07535	0.10388	-0.04093	0.37756
4.20E-07	0.233885	3.19E-07	-0.0804	0.08265	0.002152	0.96301	0.014845	0.749
1.12E-09	0.132341	0.00417	-0.11292	0.01463	-0.03511	0.44914	-0.05987	0.19651
6.12E-22	0.325667	5.33E-13	0.001848	0.96823	-0.05089	0.27246	0.124898	0.00688

4.29E-07	-0.10682	0.02095	0.032414	0.48469	-0.01876	0.686	-0.08426	0.06887
1.57E-05	0.044228	0.34025	-0.11309	0.01447	-0.06518	0.15965	0.123201	0.00769
0.00027	-0.03839	0.40779	0.059165	0.20186	0.019827	0.66911	-0.105	0.02325
4.65E-08	0.138717	0.00266	-0.11541	0.01257	-0.07196	0.12044	0.050943	0.27192
6.76E-36	0.46407	2.56E-26	0.023364	0.61453	0.040657	0.3807	0.147214	0.00142
4.15E-31	0.529054	4.85E-35	-0.04239	0.36067	0.095694	0.03872	0.131677	0.00437
4.52E-19	0.349648	7.10E-15	-0.07659	0.09831	-0.04122	0.37412	0.139199	0.00257
0.00836	0.058413	0.20767	-0.13318	0.00394	-0.07153	0.12269	-0.15628	0.0007
0.11334	0.058361	0.20807	0.014033	0.7623	-0.02089	0.65257	-0.13517	0.00343
4.46E-37	0.519151	1.38E-33	0.145129	0.00166	0.009066	0.84509	0.108164	0.01939
1.28E-11	0.162652	0.00042	-0.10505	0.02318	-0.10423	0.02428	0.068247	0.14086
0.04646	0.014619	0.75269	-0.01805	0.69725	-0.10597	0.022	0.030308	0.51352
0.00326	0.10162	0.0281	0.01176	0.7999	-0.12209	0.00826	0.04614	0.31976
4.78E-13	0.185514	5.50E-05	0.029014	0.53168	-0.09442	0.0414	-0.01777	0.70174
2.54E-35	0.494401	3.71E-30	0.008954	0.84697	0.03363	0.46845	0.082298	0.07561
5.43E-05	0.121233	0.00873	0.057362	0.21598	-0.09181	0.04739	0.154641	0.0008
7.90E-18	0.295666	7.10E-11	0.034079	0.46253	-0.04565	0.32496	0.15598	0.00072
2.91E-13	0.199537	1.40E-05	0.026845	0.56281	-0.03783	0.41467	0.004336	0.92555
5.23E-14	0.313777	3.96E-12	0.01017	0.8265	-0.12253	0.00803	0.173801	0.00016
0.04817	-0.02772	0.55016	0.111566	0.01586	-0.04862	0.29446	0.180777	8.55E-05
2.50E-27	0.460451	6.95E-26	-0.06347	0.17094	-0.00772	0.8679	0.154463	0.00081
0.00469	-0.09494	0.04029	0.004786	0.91785	-0.13083	0.00463	-0.15909	0.00056
3.21E-06	0.073521	0.11258	0.003558	0.93887	-0.11153	0.0159	0.116897	0.01147
3.14E-05	0.058906	0.20385	-0.14489	0.00169	-0.05799	0.21097	-0.01785	0.70048
2.15E-26	0.419777	2.33E-21	0.005236	0.91016	-0.03568	0.44178	0.18367	6.54E-05
1.95E-07	0.117548	0.01101	0.050742	0.27381	-0.01281	0.7824	0.117897	0.01078
5.88E-28	0.369796	1.40E-16	-0.0234	0.614	-0.06173	0.18293	0.003279	0.94365
7.88E-08	0.112906	0.01464	-0.07782	0.09302	-0.08188	0.0771	0.118991	0.01006
1.18E-08	0.104365	0.0241	-0.08898	0.05467	-0.03531	0.44655	-0.12046	0.00917
2.15E-20	0.404167	8.87E-20	-0.02927	0.52807	-0.01168	0.8013	-0.0276	0.55185
0.00688	0.027651	0.55113	-0.0692	0.13536	-0.0653	0.15885	-0.03415	0.46155
9.06E-06	0.105101	0.02312	-0.10223	0.02717	-0.06452	0.16395	0.111608	0.01582
2.49E-10	0.326396	4.70E-13	-0.08349	0.07146	-0.03632	0.4336	0.067722	0.14395
1.27E-05	0.057272	0.2167	-0.1198	0.00956	-0.03704	0.42448	0.054209	0.24233
2.62E-29	0.426802	4.26E-22	-0.02659	0.56652	0.023051	0.61928	-0.01863	0.68807
1.69E-37	0.462351	4.12E-26	-0.0323	0.48621	-0.06137	0.1855	0.227115	7.06E-07
8.89E-09	0.24809	5.57E-08	-0.11214	0.01533	-0.0904	0.05089	0.222246	1.23E-06
1.86E-10	0.228776	5.82E-07	0.024562	0.5965	-0.12434	0.00714	0.048662	0.29399
2.28E-08	0.255971	2.02E-08	-0.16048	0.0005	-0.0807	0.08148	0.061227	0.18656
2.44E-05	0.04245	0.36003	-0.06324	0.17247	-0.11424	0.0135	0.012197	0.79263
6.49E-32	0.455952	2.36E-25	-0.03636	0.43307	0.017409	0.70749	-0.00504	0.91343
3.43E-17	0.315476	2.99E-12	-0.08243	0.07515	0.016527	0.72168	0.036683	0.42902
1.65E-06	0.146578	0.00149	-0.00903	0.84566	-0.0451	0.33084	0.162229	0.00043
2.32E-16	0.325555	5.44E-13	0.009039	0.84553	-0.00283	0.95139	0.09136	0.04848
3.31E-21	0.31537	3.04E-12	-0.09388	0.04258	-0.03868	0.40432	0.189981	3.59E-05

1.05E-13	0.194055	2.42E-05	-0.00533	0.90852	0.013745	0.76704	-0.03395	0.46428
4.20E-23	0.448137	1.89E-24	0.045207	0.32966	0.029993	0.51791	0.153123	0.0009
0.13581	0.026535	0.56733	-0.06622	0.15306	-0.10131	0.02858	-0.08776	0.05808
0.10431	0.030857	0.50593	-0.05408	0.24344	-0.08716	0.05984	0.01962	0.67237
1.60E-19	0.278069	9.72E-10	-0.00106	0.9817	-0.03399	0.46365	-0.0189	0.6838
3.36E-18	0.225558	8.44E-07	-0.0828	0.07384	-0.04529	0.32876	-0.00552	0.90537
1.46E-13	0.237632	2.03E-07	0.143081	0.00194	-0.07778	0.09318	-0.00627	0.89258
1.76E-11	0.148817	0.00126	-0.05455	0.23934	-0.05623	0.22522	0.190775	3.33E-05
0.01421	0.013425	0.77231	-0.15895	0.00057	-0.05165	0.26532	-0.13249	0.00413
3.91E-28	0.451401	7.98E-25	0.025169	0.58745	-0.03371	0.46736	0.163615	0.00038
4.18E-14	0.285425	3.33E-10	0.042722	0.35695	-0.10537	0.02277	0.101718	0.02795
0.00034	-0.08431	0.06871	0.033483	0.4704	0.107489	0.02016	-0.15683	0.00067
6.75E-07	0.123759	0.00742	0.006913	0.88156	0.020214	0.66305	-0.20301	9.81E-06
0.73499	0.020152	0.66402	-0.00536	0.9081	-0.07845	0.09039	-0.04807	0.29987
5.74E-09	0.143664	0.00186	-0.06489	0.1615	-0.14298	0.00195	0.0534	0.24944
2.19E-11	0.239152	1.69E-07	-0.07884	0.0888	-0.04013	0.38685	-0.01767	0.70338
3.25E-39	0.508674	4.23E-32	-0.01303	0.77883	0.039527	0.39408	0.043675	0.34633
1.01E-06	0.185845	5.33E-05	-0.09776	0.03468	-0.02133	0.64567	0.044244	0.34007
0.00056	0.078143	0.09165	-0.05067	0.27453	-0.09797	0.03429	0.147527	0.00139
3.71E-18	0.244065	9.24E-08	-0.07642	0.09906	-0.06801	0.14222	0.20275	1.01E-05
4.72E-31	0.381322	1.30E-17	-0.01161	0.80247	-0.01865	0.68764	-0.01027	0.82484
1.00E-24	0.394056	8.48E-19	0.005683	0.90252	0.010823	0.81555	0.115564	0.01245
0.02888	0.030854	0.50597	0.009289	0.84132	-0.03924	0.39757	0.091202	0.04887
2.41E-05	-0.05479	0.23734	0.00222	0.96184	-0.06982	0.13193	-0.22034	1.52E-06
3.51E-18	0.288105	2.23E-10	0.022207	0.63217	0.029402	0.5262	0.235516	2.63E-07
1.03E-12	0.162419	0.00043	0.041949	0.36573	-0.07255	0.1174	0.023376	0.61435
1.46E-08	0.197422	1.73E-05	-0.07041	0.12866	-0.13794	0.00281	-0.10065	0.02964
7.41E-20	0.238075	1.93E-07	0.004665	0.91991	-0.13309	0.00396	0.006818	0.88318
2.26E-24	0.438563	2.25E-23	0.012307	0.79082	-0.05162	0.26556	0.151604	0.00101
1.54E-09	0.114814	0.01304	-0.01837	0.69213	-0.04486	0.33334	-0.08255	0.07474
1.98E-29	0.39508	6.77E-19	-0.07353	0.11251	-0.01496	0.74715	0.090885	0.04966
0.05666	0.024287	0.60062	0.003171	0.94552	-0.07828	0.09108	-0.05287	0.25414
1.26E-10	0.254379	2.48E-08	-0.01421	0.75945	-0.05433	0.24132	0.040612	0.38123
6.54E-08	0.194905	2.22E-05	-0.11556	0.01246	-0.01081	0.81579	0.175052	0.00014
6.14E-06	0.07376	0.11142	0.025784	0.57835	-0.12507	0.00681	0.08813	0.05703
6.66E-23	0.312833	4.63E-12	-0.01499	0.7467	-0.06302	0.17397	0.048303	0.29757
1.29E-37	0.465179	1.88E-26	-0.02439	0.59906	-0.0266	0.56639	0.147964	0.00134
2.26E-21	0.36233	6.20E-16	-0.05877	0.20493	-0.04436	0.33877	0.117084	0.01134
1.90E-53	0.648318	4.98E-57	0.015592	0.73683	0.016521	0.72177	0.129565	0.00504
0.00027	-0.03802	0.41237	0.066999	0.14829	0.100702	0.02956	-0.00159	0.97272
1.24E-44	0.570668	1.06E-41	-0.01554	0.73774	0.006819	0.88315	0.090222	0.05136
6.30E-05	0.141935	0.00211	-0.05564	0.23012	-0.10137	0.02849	0.144464	0.00175
2.51E-14	0.230693	4.65E-07	-0.06952	0.13359	-0.03015	0.51577	0.158273	0.0006
7.90E-49	0.564442	1.21E-40	-0.03484	0.45264	0.022847	0.62239	0.111188	0.01623
4.49E-07	-0.08029	0.08306	0.030387	0.51243	0.093148	0.04423	-0.01453	0.75419

5.20E-21	0.540423	9.07E-37	0.085081	0.06621	0.133822	0.00377	0.184768	5.90E-05
0.06341	0.19723	1.76E-05	0.181626	7.90E-05	0.149253	0.00122	-0.12488	0.00689
0.0376	0.218577	1.86E-06	0.146858	0.00146	0.083662	0.07087	0.162498	0.00042
3.17E-15	0.544722	1.94E-37	0.064917	0.16134	0.142968	0.00195	0.11276	0.01477
2.27E-34	0.678473	2.86E-64	0.079955	0.08435	0.168566	0.00025	0.224131	9.93E-07
1.56E-07	0.448701	1.63E-24	0.200538	1.26E-05	0.25365	2.73E-08	0.15438	0.00082
3.56E-25	0.621359	3.22E-51	0.127391	0.00584	0.143703	0.00185	0.031745	0.49376
8.33E-41	0.696457	5.12E-69	0.100417	0.03003	0.155747	0.00073	0.266241	5.10E-09
3.30E-07	0.353424	3.47E-15	0.142236	0.00206	0.134392	0.00362	-0.04541	0.32743
2.99E-17	0.562429	2.62E-40	0.153722	0.00086	0.160186	0.00051	0.051809	0.26384
0.00017	0.419766	2.34E-21	0.120324	0.00925	0.097649	0.03489	0.091565	0.04797
0.00043	0.413721	9.79E-21	0.109485	0.01794	0.220356	1.52E-06	0.078418	0.09051
4.29E-12	0.488407	2.29E-29	0.152841	0.00092	0.1641	0.00037	0.165214	0.00034
4.79E-11	0.511112	1.93E-32	0.172497	0.00018	0.264249	6.69E-09	0.177524	0.00011
2.26E-11	0.483806	9.00E-29	0.103138	0.02583	0.169063	0.00024	0.01947	0.67473
0.01088	0.230259	4.90E-07	0.139309	0.00255	0.066159	0.15345	0.012471	0.78809
5.39E-29	0.613135	1.48E-49	0.129639	0.00502	0.167127	0.00029	0.109677	0.01774
7.73E-26	0.633897	7.53E-54	0.096396	0.03731	0.141044	0.00225	0.184086	6.29E-05
3.56E-30	0.720658	5.43E-76	0.132652	0.00408	0.164106	0.00037	0.268528	3.72E-09
9.81E-16	0.536841	3.23E-36	0.200641	1.25E-05	0.229087	5.61E-07	0.217184	2.16E-06
9.38E-14	0.521144	7.09E-34	0.154359	0.00082	0.193175	2.63E-05	0.22444	9.59E-07
5.79E-06	0.327086	4.17E-13	0.152266	0.00096	0.167723	0.00027	0.173539	0.00016
4.03E-07	0.370884	1.12E-16	0.075718	0.10221	0.141286	0.00221	0.217986	1.98E-06
1.80E-28	0.664269	9.38E-61	0.174115	0.00016	0.199041	1.47E-05	0.188452	4.16E-05
5.50E-45	0.728839	1.61E-78	0.140031	0.00242	0.188411	4.18E-05	0.264717	6.28E-09
4.91E-12	0.49248	6.67E-30	0.217306	2.14E-06	0.229467	5.37E-07	0.143541	0.00187
5.07E-25	0.591178	2.38E-45	0.218201	1.93E-06	0.225172	8.82E-07	0.112323	0.01516
4.84E-17	0.536749	3.34E-36	0.0974	0.03536	0.191997	2.96E-05	0.194262	2.37E-05
9.41E-21	0.527526	8.20E-35	0.142273	0.00206	0.191845	3.00E-05	0.234236	3.06E-07
1.22E-24	0.65284	4.61E-58	0.132552	0.00411	0.18375	6.49E-05	0.19994	1.34E-05
5.54E-07	0.433115	8.92E-23	0.028219	0.54298	0.149168	0.00122	0.118537	0.01035
4.88E-05	0.380194	1.65E-17	0.139753	0.00247	0.124801	0.00693	0.174864	0.00015
5.26E-05	0.356044	2.10E-15	0.076432	0.09901	0.165569	0.00033	-0.00986	0.83173
9.53E-17	0.488789	2.04E-29	0.095614	0.03888	0.128328	0.00548	0.194985	2.20E-05
1.91E-15	0.505192	1.28E-31	0.087491	0.05886	0.188507	4.14E-05	0.216067	2.45E-06
2.85E-23	0.515479	4.64E-33	0.084237	0.06895	0.137013	0.00301	0.338463	5.58E-14
4.33E-16	0.556249	2.75E-39	0.160686	0.00049	0.219287	1.71E-06	0.274996	1.51E-09
2.19E-17	0.565288	8.68E-41	0.187354	4.62E-05	0.237036	2.19E-07	0.222701	1.17E-06
5.17E-18	0.594762	5.15E-46	0.209365	5.04E-06	0.19414	2.40E-05	0.377141	3.12E-17
1.85E-12	0.509477	3.26E-32	0.100273	0.03027	0.172086	0.00019	0.085661	0.06437
0.83173	0.034455	0.4576	0.035885	0.43913	-0.01021	0.82587	0.06934	0.13459
0.10779	-0.12609	0.00636	0.019843	0.66887	-0.03751	0.41866	0.030033	0.51736
0.22467	0.046515	0.31584	-0.01596	0.7309	0.002854	0.95095	-0.11061	0.01679
0.06774	0.071954	0.12047	0.059565	0.19883	0.006291	0.89215	-0.0287	0.53612
0.85485	-0.0831	0.07281	-0.05719	0.21732	-0.08424	0.06894	-0.16103	0.00048

1.56E-06	-0.22396	1.01E-06	0.004943	0.91516	-0.05904	0.2028	-0.14826	0.00131
0.36071	-0.01397	0.76327	0.064248	0.16571	0.004963	0.91482	-0.02736	0.55533
0.86544	0.040162	0.38653	0.021017	0.65053	-0.0526	0.2566	-0.12917	0.00518
0.141	-0.0726	0.11718	0.126925	0.00602	0.022794	0.6232	-0.01154	0.80361
0.00015	-0.13809	0.00278	-0.05359	0.24771	-0.05992	0.19619	-0.14121	0.00222
0.00565	-0.11953	0.00973	0.040675	0.38048	0.011164	0.80985	-0.04744	0.30628
0.48711	0.003792	0.93487	-0.07325	0.11394	-0.05693	0.21943	-0.22961	5.28E-07
0.27245	-0.09344	0.04357	0.002853	0.95097	-0.09507	0.04001	-0.24215	1.17E-07
0.16596	-0.06224	0.17938	0.088073	0.05719	0.00281	0.9517	-0.01949	0.67449
0.00036	-0.16018	0.00051	0.080366	0.08276	-0.04305	0.35326	-0.17878	0.0001
0.28402	-0.04281	0.35594	0.120074	0.0094	0.001282	0.97796	-0.04514	0.33036
0.2714	0.09712	0.0359	0.10776	0.01985	0.013807	0.76603	0.030591	0.5096
0.00022	-0.2304	4.81E-07	-0.03238	0.48521	-0.06192	0.18164	-0.08186	0.07719
0.03036	-0.17583	0.00013	0.008441	0.85564	-0.03939	0.3957	-0.02449	0.59764
0.12555	-0.05416	0.2428	0.053263	0.25066	-0.00378	0.93507	-0.01402	0.76252
1.94E-06	-0.20448	8.42E-06	0.030627	0.5091	0.005978	0.89748	-0.03274	0.48025
8.20E-06	-0.22468	9.33E-07	0.039909	0.38953	0.017629	0.70396	-0.03696	0.42557
0.19274	0.058126	0.20991	0.119167	0.00995	0.009897	0.83108	-0.00787	0.86523
0.00572	-0.14788	0.00135	0.023713	0.60925	-0.04335	0.34991	-0.05904	0.20283
0.47844	0.011982	0.79621	-0.03452	0.45678	-0.04868	0.2938	-0.02638	0.56961
0.01238	-0.09858	0.03319	0.087871	0.05776	0.000148	0.99745	-0.04305	0.35332
0.9077	-0.03208	0.48921	0.029555	0.52405	0.013365	0.7733	-0.00673	0.88469
0.0016	-0.08222	0.07589	0.15892	0.00057	0.076994	0.09654	0.062196	0.17967
0.00014	-0.20175	1.12E-05	-0.01907	0.68099	-0.03268	0.48111	-0.07031	0.12922
9.92E-05	-0.15305	0.00091	-0.0173	0.70928	-0.06083	0.18944	-0.10413	0.02442
0.00099	-0.25136	3.67E-08	-0.00421	0.92777	-0.06884	0.13745	-0.09811	0.03404
2.75E-05	-0.26917	3.41E-09	0.008595	0.85304	-0.03502	0.45032	-0.07633	0.09947
0.4271	-0.16121	0.00047	0.0578	0.21249	-0.03774	0.41582	-0.05487	0.23666
0.00145	-0.11329	0.0143	0.069091	0.136	-0.00023	0.99606	0.007176	0.87709
1.87E-11	-0.26525	5.84E-09	0.068414	0.13989	0.041633	0.36936	-0.05598	0.22728
0.00035	-0.31567	2.89E-12	-0.05079	0.2734	-0.02048	0.65884	-0.06496	0.16109
2.20E-05	-0.207	6.48E-06	0.028007	0.54602	-0.03919	0.3981	-0.07229	0.11875
0.7796	-0.066	0.15446	0.0132	0.77603	0.009803	0.83267	-0.02684	0.5629
0.00015	-0.17598	0.00013	0.0455	0.32653	-0.0094	0.83945	-0.0284	0.54043
0.01089	-0.12599	0.0064	0.048763	0.29299	-0.00753	0.87111	-0.03832	0.40875
0.06971	0.127018	0.00598	0.068379	0.14009	0.023802	0.60791	0.086305	0.06238
0.00517	0.161647	0.00045	0.23079	4.60E-07	0.083784	0.07046	0.014938	0.74747
0.1576	-0.05765	0.21366	-0.00955	0.83694	-0.06271	0.17607	-0.07276	0.11638
0.00016	-0.20705	6.44E-06	-0.03004	0.51732	-0.07236	0.1184	-0.0791	0.08775
0.01234	0.236241	2.41E-07	0.123659	0.00746	0.136923	0.00303	0.0163	0.72534
7.50E-10	-0.2972	5.60E-11	0.001724	0.97035	-0.05108	0.27061	-0.05855	0.20659
0.08967	0.055406	0.23207	0.140819	0.00229	0.050756	0.27369	0.002673	0.95407
0.04755	-0.00491	0.91567	0.078389	0.09063	-0.11755	0.01101	-0.12053	0.00913
0.81128	0.020545	0.65788	-0.01183	0.79867	-0.05287	0.25416	0.06541	0.15817
0.04462	-0.17239	0.00018	-0.05366	0.2471	-0.05546	0.23158	-0.0825	0.07491



0.0522	0.055787	0.22887	-0.03062	0.50914	0.016439	0.72309	-0.02774	0.54989
0.33539	0.056708	0.22126	0.043854	0.34435	0.040129	0.38692	0.002486	0.95727
0.20866	-0.03145	0.49782	0.131625	0.00438	0.024593	0.59603	-0.02242	0.6289
0.12705	-0.12714	0.00594	-0.03426	0.46012	-0.04364	0.34667	-0.04716	0.30917
0.03264	-0.08259	0.07459	0.066016	0.15434	-0.00995	0.83026	-0.05659	0.22221
0.02796	-0.05408	0.24345	0.090531	0.05056	-0.00718	0.87702	-0.04069	0.3803
0.41096	-0.01265	0.78518	-0.05266	0.25604	-0.09068	0.05019	-0.06852	0.13926
0.00188	-0.12256	0.00801	0.01218	0.79292	-0.02954	0.52421	-0.04068	0.38037
0.00549	-0.17184	0.00019	-0.00576	0.90118	-0.04791	0.30148	-0.06665	0.15044
0.00051	-0.1722	0.00018	0.032477	0.48384	-0.02091	0.6522	-0.07125	0.12414
0.00754	-0.12334	0.00762	0.033426	0.47115	-0.02084	0.65327	-0.01895	0.68295
0.01188	-0.12428	0.00717	0.0463	0.31808	-0.00352	0.93958	-0.05946	0.1996
0.05247	-0.23794	1.96E-07	0.045945	0.32181	-0.06026	0.19363	-0.04635	0.31754
0.35554	0.047844	0.30219	0.150658	0.00109	0.083377	0.07184	-0.04037	0.38413
0.24502	-0.00783	0.86593	0.026796	0.56352	0.122451	0.00807	-9.18E-05	0.99842
0.03754	-0.17377	0.00016	-0.10521	0.02298	-0.12225	0.00818	-0.12701	0.00599
0.00951	-0.21906	1.76E-06	-0.02617	0.5727	-0.06735	0.14618	-0.03425	0.46025
0.00048	-0.11027	0.01713	0.042959	0.35429	0.001094	0.98119	-0.12349	0.00754
0.63778	0.003355	0.94235	0.033218	0.47392	-0.01528	0.74185	-0.07996	0.08434
0.5371	0.01259	0.78612	0.227264	6.94E-07	0.036448	0.43199	0.0404	0.38372
0.13753	-0.05549	0.23139	0.13191	0.0043	-0.02753	0.55285	-0.07827	0.09113
0.36134	-0.0375	0.41886	-0.04232	0.36153	-0.03967	0.39241	-0.01539	0.7401
0.37221	0.131219	0.00451	0.151666	0.00101	0.053967	0.24444	0.074868	0.10613
0.19117	-0.04108	0.37572	0.061578	0.18405	0.038355	0.40827	0.038825	0.40255
7.84E-06	-0.24815	5.53E-08	0.020036	0.66584	-0.04523	0.32938	-0.04203	0.36486
0.5303	-0.15218	0.00097	-0.07109	0.125	-0.09607	0.03796	-0.17401	0.00016
0.67269	0.042935	0.35456	0.064374	0.16488	0.041263	0.37364	0.03389	0.46501
0.64695	-0.04308	0.35291	0.070295	0.12929	-0.00048	0.9918	0.029918	0.51896
0.04917	-0.07348	0.11276	0.307623	1.08E-11	0.101023	0.02905	0.04344	0.34893
0.59881	-0.01423	0.75902	0.028611	0.5374	0.027846	0.54833	0.012412	0.78908
0.15195	0.075063	0.10522	-0.01878	0.68565	-0.07058	0.12774	-0.04615	0.31967
0.62573	-0.02505	0.58917	0.047218	0.30857	-0.04435	0.33888	-0.0742	0.10928
0.00018	0.238379	1.86E-07	0.090154	0.05154	0.02745	0.55403	-0.03539	0.44546
0.74284	0.077241	0.09547	0.183526	6.63E-05	0.086567	0.06159	0.031118	0.50233
0.59195	0.026695	0.56499	0.084468	0.06819	0.044278	0.3397	0.027696	0.55049
0.03243	0.124044	0.00728	0.368841	1.70E-16	0.012626	0.78553	0.088987	0.05464
0.00571	0.166521	0.0003	-0.03863	0.4049	0.024898	0.59147	-0.15449	0.00081
0.06099	0.13808	0.00279	0.1498	0.00117	-0.00674	0.8845	-0.00418	0.92827
0.57021	0.033627	0.46848	0.028702	0.53611	0.041577	0.37001	0.161994	0.00044
0.21373	0.007054	0.87916	0.109953	0.01746	0.035039	0.45001	0.031095	0.50264
0.41232	0.008045	0.86234	0.142441	0.00203	0.080253	0.0832	0.10732	0.02036
0.48823	0.046542	0.31556	0.084444	0.06827	-0.00991	0.83092	0.001068	0.98163
0.11676	-0.12655	0.00617	-0.05928	0.20101	-0.08154	0.07835	-0.10027	0.03027
8.39E-06	-0.2519	3.42E-08	-0.02194	0.63621	-0.0543	0.24153	-0.10835	0.01918
0.1544	-0.10127	0.02865	0.031491	0.49721	0.048525	0.29536	-0.04194	0.36578

0.22126	-0.04543	0.32732	0.067238	0.14684	-0.00696	0.88073	-0.04164	0.36928
7.05E-05	-0.24622	7.05E-08	-0.06763	0.14452	-0.09528	0.03958	-0.17622	0.00013
0.54857	-0.07806	0.092	-0.09022	0.05135	-0.11005	0.01735	-0.10089	0.02926
0.89858	0.038288	0.40909	-0.03152	0.49687	-0.01969	0.67125	-0.03287	0.47856
0.39664	-0.03159	0.49585	0.056332	0.22435	0.017767	0.70175	-0.11281	0.01472
0.00136	-0.14219	0.00207	0.026492	0.56795	-0.03735	0.42062	-0.06352	0.17058
0.76501	0.025816	0.57788	0.087377	0.05919	0.022908	0.62146	-0.0424	0.36064
0.36985	-0.11736	0.01114	-0.03262	0.48186	-0.11564	0.01239	-0.14412	0.00179
3.77E-05	-0.26216	8.87E-09	0.131352	0.00447	-0.04832	0.29745	-0.01444	0.75567
5.45E-05	-0.19617	1.96E-05	0.072243	0.11899	-0.00873	0.85074	-0.04237	0.36093
0.81015	0.027967	0.5466	0.106015	0.02194	0.045316	0.32849	0.036877	0.42658
0.015	-0.10786	0.01974	0.011289	0.80777	-0.0306	0.50947	-0.09418	0.04193
0.00107	-0.10454	0.02387	0.090458	0.05075	-0.00749	0.87176	-0.01146	0.80483
0.78277	0.030133	0.51596	0.143982	0.00181	0.110527	0.01687	0.100613	0.02971
0.00192	-0.13107	0.00455	-0.02435	0.59968	-0.07591	0.10132	-0.10094	0.02918
0.6632	0.033783	0.46642	0.120537	0.00912	0.031982	0.49054	0.049869	0.28217
0.28815	0.078095	0.09185	0.112331	0.01515	0.026574	0.56676	0.107765	0.01984
0.02674	-0.09575	0.03861	0.066722	0.14998	-0.00447	0.92329	-0.05192	0.2628
0.70484	0.021615	0.64128	0.254351	2.49E-08	0.071265	0.12408	-0.03477	0.45352
0.13558	-0.1377	0.00286	0.001999	0.96564	-0.09137	0.04845	-0.04072	0.37992
0.36524	-0.01507	0.74525	0.046351	0.31755	0.027127	0.55871	-0.04791	0.30154
0.9704	-0.09243	0.0459	-0.03197	0.49066	-0.03989	0.38977	-0.03648	0.43153
0.90192	-0.00048	0.99181	0.185312	5.61E-05	-0.02799	0.54626	-0.09696	0.0362
0.01264	-0.11584	0.01224	0.014782	0.75002	-0.03272	0.48052	-0.03848	0.4067
0.1121	0.055006	0.23546	0.106055	0.02189	-0.03336	0.47204	0.071721	0.12168
3.49E-05	-0.26544	5.69E-09	-0.04767	0.304	-0.08386	0.07022	-0.09631	0.03747
0.81971	0.02999	0.51796	-0.00282	0.95148	0.055557	0.23079	-0.15224	0.00097
0.09038	0.128947	0.00526	-0.00919	0.84294	-0.09175	0.04752	-0.02081	0.65371
0.00021	-0.13089	0.00461	0.083826	0.07032	0.007137	0.87776	-0.02236	0.62984
0.289	0.083984	0.06979	0.237321	2.11E-07	0.031391	0.49859	0.027543	0.55269
0.01047	0.12769	0.00572	0.074829	0.10631	0.140957	0.00226	-0.05027	0.27827
0.01546	-0.07883	0.08881	0.065846	0.15541	0.073414	0.11311	-0.0589	0.20388
0.00742	-0.17164	0.00019	0.0607	0.19039	-0.04608	0.32034	-0.09606	0.03797
0.02858	-0.12056	0.00911	0.228844	5.78E-07	0.006977	0.88046	-0.02144	0.64405
0.75935	0.004609	0.92088	0.081085	0.08004	0.003251	0.94414	-0.03996	0.38891
0.21898	-0.15173	0.001	-0.03693	0.42588	-0.06896	0.13672	-0.11056	0.01684
0.73162	0.053367	0.24973	0.131609	0.00439	0.130529	0.00472	-0.00665	0.88607
0.00049	-0.22055	1.49E-06	-0.04684	0.31245	-0.11766	0.01094	-0.19001	3.58E-05
0.00384	0.067416	0.14578	-0.02756	0.55252	-0.06792	0.14281	-0.06898	0.13665
0.64036	0.012167	0.79313	0.041804	0.36739	-0.01122	0.80886	-0.00087	0.98501
0.32231	-0.09743	0.0353	0.021391	0.64474	-0.01459	0.75324	-0.01672	0.71857
0.00014	-0.22244	1.20E-06	-0.00828	0.85831	-0.11806	0.01067	-0.16445	0.00036
0.24794	0.078912	0.08849	0.034778	0.45339	-0.02257	0.62662	-0.0598	0.19707
0.75788	0.010648	0.81848	0.019662	0.67172	0.007843	0.86577	-0.06007	0.19502
0.69657	0.002745	0.95282	0.093349	0.04377	-0.001	0.98281	-0.05967	0.19806

0.67213	0.059541	0.199	0.09199	0.04694	0.087426	0.05905	0.069989	0.13097
0.038	-0.075	0.10551	0.105977	0.02199	0.012612	0.78575	-0.00566	0.90287
0.05842	-0.1072	0.0205	-0.05193	0.26273	-0.0755	0.10318	-0.10727	0.02041
0.33032	-0.01987	0.66838	0.07784	0.09292	0.009177	0.84321	0.04033	0.38455
6.27E-08	-0.27862	8.97E-10	0.015217	0.74293	-0.00797	0.86353	0.01503	0.74598
0.05303	0.135157	0.00343	-0.05045	0.27661	0.031421	0.49818	-0.03472	0.45417
0.07747	-0.08785	0.05782	0.047798	0.30266	-0.00863	0.85239	-0.06993	0.13133
3.44E-05	-0.28541	3.34E-10	-0.03313	0.47511	-0.17234	0.00018	-0.15401	0.00084
0.92985	-0.12995	0.00491	-0.12042	0.00919	-0.18783	4.42E-05	-0.17325	0.00017
5.46E-05	-0.22523	8.76E-07	0.00065	0.98882	0.04398	0.34296	-0.07955	0.08592
0.3716	-0.15101	0.00106	-0.11609	0.01206	-0.12486	0.0069	-0.10737	0.0203
0.52411	-0.06696	0.14854	0.208802	5.35E-06	-0.00994	0.83033	-0.04352	0.34803
0.30547	0.001354	0.97672	-0.05659	0.22227	-0.09326	0.04398	-0.05317	0.25148
0.25136	-0.13164	0.00438	-0.03007	0.51683	-0.05901	0.20303	-0.13263	0.00409
0.86493	0.033781	0.46646	0.108678	0.01881	0.013667	0.76833	0.042555	0.35884
0.00027	-0.06451	0.16397	0.045218	0.32953	-0.05674	0.22099	-0.09259	0.04553
0.0268	-0.07516	0.10477	0.062193	0.17969	-0.00515	0.9116	-0.0631	0.17338
3.80E-06	0.213591	3.20E-06	0.11094	0.01647	0.070576	0.12777	0.852613	#####
0.0029	0.080744	0.08132	-0.0018	0.96901	0.040034	0.38805	0.523144	3.62E-34
1.96E-09	0.317607	2.10E-12	0.112584	0.01493	0.113126	0.01445	0.862015	#####
1.18E-05	0.19741	1.73E-05	0.093724	0.04293	0.07048	0.12829	0.838119	#####
4.84E-06	0.296337	6.40E-11	0.068901	0.13708	0.144733	0.00171	0.508734	4.14E-32
7.95E-06	0.248268	5.45E-08	0.092814	0.045	0.061983	0.18117	0.85993	#####
1.59E-06	0.193953	2.44E-05	0.004508	0.92259	-0.01323	0.77557	0.439339	1.85E-23
4.72E-08	0.216626	2.30E-06	0.034173	0.4613	0.0507	0.27422	0.820265	#####
0.96332	-0.11653	0.01173	0.049134	0.28933	-0.05406	0.24358	0.617571	1.90E-50
4.01E-11	0.292648	1.13E-10	-0.00337	0.9421	0.031994	0.49037	0.775201	8.32E-95
0.00085	0.182384	7.37E-05	0.088553	0.05584	0.071163	0.12462	0.820945	#####
2.23E-13	0.348054	9.57E-15	0.06323	0.17253	0.018287	0.69346	0.878967	#####
2.61E-05	0.151444	0.00103	0.076587	0.09832	0.021043	0.65014	0.690945	1.59E-67
0.00453	0.088323	0.05648	0.030246	0.5144	0.00403	0.93079	0.769647	1.18E-92
3.51E-06	0.168019	0.00027	0.075815	0.10177	0.027976	0.54647	0.831436	#####
0.00158	0.130967	0.00458	0.006188	0.8939	0.035006	0.45043	0.672629	8.44E-63
0.93384	0.002397	0.95879	0.018097	0.69649	0.03961	0.39309	0.553412	7.95E-39
0.08775	0.009504	0.83769	0.038614	0.40511	0.034795	0.45318	0.563865	1.51E-40
3.39E-06	0.218107	1.95E-06	0.116502	0.01175	0.015179	0.74354	0.826699	#####
6.94E-06	0.116344	0.01187	0.088286	0.05659	-0.02557	0.58145	0.705568	1.47E-71
0.22948	0.060014	0.19545	0.053626	0.24744	0.022347	0.63003	0.493353	5.11E-30
2.84E-07	0.273237	1.93E-09	0.126049	0.00638	0.095935	0.03823	0.841921	#####
1.54E-06	0.211388	4.06E-06	-0.03167	0.4948	-0.04223	0.36254	0.657914	3.04E-59
0.00065	0.178946	0.0001	0.036425	0.43228	-0.02564	0.58049	0.367525	2.21E-16
5.62E-06	0.252646	3.11E-08	0.090078	0.05173	0.044094	0.34171	0.829759	#####
7.03E-05	0.173379	0.00017	0.145159	0.00166	0.061002	0.18819	0.744546	1.22E-83
2.82E-12	0.371786	9.36E-17	0.063437	0.17113	0.111518	0.01591	0.758628	1.46E-88
1.71E-09	0.356865	1.80E-15	0.115757	0.01231	0.113818	0.01385	0.81612	#####

4.34E-05	0.13645	0.00313	0.047267	0.30806	0.050268	0.27833	0.831742	#####
1.35E-08	0.301759	2.75E-11	0.088978	0.05467	0.052673	0.25595	0.870474	#####
0.00125	0.123301	0.00764	0.066022	0.15431	0.053056	0.25251	0.58305	7.12E-44
0.71303	-0.05629	0.22467	-0.00428	0.92659	0.030585	0.50969	0.758281	1.95E-88
0.00553	0.182834	7.07E-05	0.10745	0.02021	0.075847	0.10162	0.769394	1.47E-92
9.96E-08	0.250699	4.00E-08	0.026879	0.56232	0.028728	0.53573	0.706725	6.87E-72
2.14E-05	0.165648	0.00032	-0.04497	0.33222	-0.00038	0.99342	0.661182	5.14E-60
0.08853	0.12798	0.00561	0.064926	0.16128	0.042165	0.36327	0.746589	2.47E-84
1.90E-07	0.257535	1.64E-08	0.077245	0.09545	0.131923	0.00429	0.693838	2.64E-68
0.01403	0.143594	0.00187	0.061771	0.18267	0.058447	0.2074	0.749227	3.07E-85
0.02086	0.157867	0.00062	0.09131	0.0486	0.074878	0.10608	0.825838	#####
4.65E-08	0.327661	3.78E-13	0.116487	0.01176	0.092771	0.0451	0.828187	#####
5.83E-06	0.209132	5.17E-06	0.071201	0.12442	0.070263	0.12947	0.897255	#####
0.00123	0.179617	9.50E-05	0.054656	0.23846	0.064099	0.1667	0.858469	#####
0.00116	0.197288	1.75E-05	0.149185	0.00122	0.110603	0.0168	0.61907	9.45E-51
1.30E-05	0.263337	7.57E-09	0.048241	0.2982	0.051266	0.26889	0.677654	4.61E-64
5.98E-05	0.186578	4.97E-05	0.055326	0.23275	0.003384	0.94186	0.369951	1.36E-16
3.39E-07	0.2445	8.75E-08	0.063592	0.17008	0.051719	0.26468	0.595095	4.46E-46
0.00018	0.216116	2.43E-06	0.117899	0.01078	0.112629	0.01489	0.749976	1.69E-85
1.84E-05	0.249302	4.78E-08	0.085939	0.06351	0.077691	0.09355	0.861111	#####
0.98428	-0.04055	0.38196	0.059254	0.20118	0.082456	0.07505	0.597344	1.69E-46
0.0003	0.05924	0.2013	0.009852	0.83184	-0.00894	0.84722	0.448844	1.57E-24
1.28E-08	0.223412	1.08E-06	0.064273	0.16555	0.071543	0.12261	0.738441	1.32E-81
2.81E-05	0.23868	1.79E-07	0.059439	0.19978	0.081705	0.07775	0.765262	5.34E-91
3.43E-07	0.208478	5.54E-06	0.148547	0.00128	0.144989	0.00168	0.468893	6.66E-27
0.00053	0.242072	1.18E-07	0.06554	0.15734	0.143268	0.00191	0.406808	4.86E-20
4.16E-13	0.313578	4.09E-12	-0.03192	0.49139	-0.00962	0.83569	0.230243	4.90E-07
4.80E-07	0.378069	2.57E-17	0.070183	0.1299	0.101069	0.02897	0.049686	0.28394
2.77E-21	0.340604	3.78E-14	0.065924	0.15492	0.028276	0.54217	0.288669	2.05E-10
3.45E-08	-0.19127	3.17E-05	0.064811	0.16203	-0.06021	0.19401	-0.22418	9.88E-07
0.00012	0.119985	0.00945	0.080402	0.08263	0.02268	0.62493	0.136097	0.00321
0.34516	0.088696	0.05544	0.060175	0.19426	0.052701	0.2557	0.054049	0.24372
8.91E-10	0.264218	6.72E-09	0.002782	0.95218	0.034619	0.45547	0.052154	0.26067
7.61E-07	0.402648	1.25E-19	0.187712	4.47E-05	0.037443	0.41951	0.197535	1.71E-05
4.11E-26	0.505958	1.01E-31	-0.03476	0.45365	0.036297	0.4339	0.191857	3.00E-05
1.09E-49	0.739597	5.50E-82	0.105603	0.02247	0.13817	0.00277	0.10555	0.02254
0.08882	0.200126	1.32E-05	0.156254	0.0007	0.089555	0.05311	0.084044	0.06959
5.66E-06	0.381009	1.39E-17	0.209825	4.80E-06	0.15003	0.00115	0.051515	0.26657
9.96E-05	-0.16987	0.00023	0.040751	0.37959	-0.08984	0.05235	-0.19913	1.46E-05
5.66E-14	0.380175	1.66E-17	0.133633	0.00381	0.052396	0.25846	0.178862	0.0001
1.39E-17	0.421512	1.54E-21	0.009333	0.84058	0.070175	0.12995	0.055096	0.2347
0.00132	0.165165	0.00034	-0.02065	0.65621	0.050189	0.27909	0.013629	0.76895
0.00265	0.178123	0.00011	0.040275	0.38519	0.080264	0.08316	0.10849	0.01902
6.59E-08	0.459173	9.85E-26	0.176494	0.00013	0.173355	0.00017	0.132986	0.00399
1.11E-08	-0.29994	3.66E-11	0.041257	0.3737	-0.00527	0.90958	-0.09205	0.04681

0.35564	-0.01305	0.7785	0.057942	0.21136	-0.01271	0.78419	-0.04382	0.34478
2.33E-39	0.609421	8.03E-49	0.159997	0.00052	0.109664	0.01776	0.337632	6.48E-14
0.03001	0.121462	0.0086	-0.06624	0.15292	-0.05288	0.25405	0.116695	0.01161
3.65E-12	0.370509	1.21E-16	0.019445	0.67513	0.009784	0.83299	-0.05443	0.2404
0.00018	0.27733	1.08E-09	0.145362	0.00163	0.19394	2.44E-05	0.078831	0.08882
4.13E-05	0.241277	1.30E-07	0.03057	0.50989	-0.06789	0.14293	0.104573	0.02382
2.25E-36	0.608262	1.35E-48	0.069455	0.13394	0.117306	0.01118	0.331768	1.84E-13
1.72E-18	0.514439	6.52E-33	0.127088	0.00596	0.128171	0.00554	0.338322	5.72E-14
0.0794	0.165067	0.00034	0.150351	0.00112	0.093935	0.04246	0.057374	0.21588
0.31209	-0.00109	0.98126	-0.0464	0.31704	-0.09799	0.03427	-0.1328	0.00404
0.00525	0.185421	5.55E-05	0.16222	0.00043	0.065702	0.15632	0.108727	0.01876
0.00514	0.210742	4.36E-06	0.033526	0.46983	0.068119	0.14161	0.205736	7.39E-06
3.46E-06	0.35203	4.53E-15	0.038988	0.40057	0.030994	0.50403	0.140047	0.00242
2.04E-51	0.594935	4.78E-46	0.092986	0.0446	0.093237	0.04402	0.20064	1.25E-05
3.20E-08	0.376051	3.91E-17	0.139018	0.00261	-0.00137	0.97651	0.30502	1.64E-11
0.00114	0.216267	2.39E-06	0.062117	0.18023	0.037164	0.42299	0.218681	1.83E-06
0.05589	-0.09394	0.04246	-0.04603	0.32091	-0.00164	0.9718	-0.08054	0.08211
1.58E-08	0.285257	3.41E-10	0.099577	0.03144	0.021084	0.64949	0.06923	0.13521
3.03E-44	0.698273	1.62E-69	0.173149	0.00017	0.127218	0.0059	0.378277	2.46E-17
2.64E-74	0.688299	8.04E-67	0.19848	1.55E-05	0.067105	0.14765	0.28934	1.86E-10
8.79E-41	0.725146	2.29E-77	0.140844	0.00228	0.194068	2.41E-05	0.426481	4.60E-22
0.01341	0.217786	2.02E-06	-0.0343	0.45965	0.131949	0.00429	0.103798	0.02489
0.41027	0.068984	0.13661	0.071597	0.12233	0.046807	0.31281	-0.0117	0.80097
0.10218	0.022437	0.62865	0.079631	0.08562	-0.01571	0.73498	-0.01022	0.8257
1.23E-10	0.219498	1.67E-06	0.009425	0.83904	0.052511	0.25742	0.131333	0.00447
4.24E-09	0.135834	0.00327	-0.00309	0.94686	-0.01123	0.80874	0.042702	0.35718
9.76E-15	0.337023	7.23E-14	0.024773	0.59334	0.104452	0.02399	0.086387	0.06214
5.70E-19	0.468178	8.15E-27	0.034591	0.45583	0.108881	0.01859	0.255186	2.24E-08
3.62E-22	0.499797	7.01E-31	0.139075	0.0026	0.135156	0.00343	0.285283	3.40E-10
0.39042	0.073447	0.11295	0.04465	0.33565	0.02207	0.63428	0.192557	2.80E-05
3.49E-05	0.25157	3.57E-08	0.066218	0.15309	0.053617	0.24752	0.097278	0.03559
1.97E-40	0.675168	1.96E-63	0.153929	0.00085	0.102303	0.02706	0.215996	2.47E-06
0.51862	0.021222	0.64735	-0.04124	0.3739	0.033148	0.47484	0.041844	0.36693
0.04037	0.121859	0.00838	0.083682	0.07081	-0.04055	0.38192	-0.00625	0.89293
5.53E-12	0.484449	7.44E-29	0.070401	0.12872	0.057639	0.21376	0.223633	1.05E-06
1.43E-07	0.287696	2.37E-10	0.058921	0.20374	0.073411	0.11312	0.230249	4.90E-07
2.90E-25	0.558251	1.29E-39	0.133327	0.0039	0.102076	0.0274	0.325463	5.52E-13
1.50E-12	0.249097	4.90E-08	-0.01693	0.71522	0.084812	0.06707	0.104051	0.02453
4.88E-08	0.184346	6.14E-05	0.108847	0.01863	0.030784	0.50693	0.099035	0.03238
1.98E-32	0.668669	8.01E-62	0.035514	0.44388	0.12952	0.00506	0.277129	1.11E-09
1.70E-21	0.502539	2.97E-31	0.05587	0.22817	0.109943	0.01747	0.25762	1.62E-08
1.17E-31	0.650602	1.50E-57	0.083721	0.07068	0.110275	0.01713	0.479335	3.35E-28
1.81E-12	0.282457	5.15E-10	0.09097	0.04945	-0.01324	0.77544	0.178025	0.00011
1.31E-29	0.634659	5.17E-54	0.058161	0.20964	0.20882	5.34E-06	0.272455	2.16E-09
1.12E-32	0.627393	1.81E-52	0.10033	0.03017	0.101915	0.02765	0.337331	6.84E-14

1.40E-31	0.589339	5.17E-45	0.045622	0.32523	0.100107	0.03054	0.306732	1.25E-11
1.08E-14	0.345697	1.48E-14	0.129836	0.00495	0.087869	0.05777	0.134879	0.0035
0.00168	0.247384	6.09E-08	-0.04872	0.29341	0.037904	0.41381	0.02602	0.57487
2.13E-33	0.52631	1.24E-34	0.089395	0.05354	0.06147	0.18482	0.121974	0.00832
0.02544	0.077279	0.09531	0.038145	0.41084	0.022502	0.62765	0.027065	0.55961
0.01414	0.205706	7.41E-06	0.038895	0.4017	0.054422	0.24048	0.009458	0.83847
2.45E-06	0.258261	1.49E-08	0.14168	0.00215	0.116948	0.01143	0.068804	0.13764
0.43831	0.085973	0.0634	-0.00723	0.87614	0.049114	0.28953	0.122316	0.00814
0.00437	-0.21286	3.47E-06	-0.04149	0.37096	-0.09112	0.04907	-0.13575	0.00329
1.43E-05	0.345278	1.60E-14	0.028912	0.53312	0.104672	0.02369	0.21509	2.72E-06
0.00046	0.237964	1.95E-07	0.03485	0.45246	0.150602	0.0011	0.078963	0.08829
6.13E-34	0.676262	1.04E-63	0.134829	0.00351	0.214007	3.06E-06	0.246172	7.10E-08
1.20E-08	0.407929	3.76E-20	0.082464	0.07502	0.127134	0.00594	0.110642	0.01676
0.52141	0.105964	0.02201	0.066436	0.15173	-0.00197	0.96619	0.013553	0.77021
2.10E-05	0.315379	3.04E-12	0.214264	2.98E-06	0.090669	0.05021	0.123236	0.00767
4.27E-36	0.700022	5.32E-70	0.14748	0.00139	0.107484	0.02016	0.30407	1.91E-11
0.2936	-0.14331	0.00191	0.16015	0.00051	-0.13435	0.00363	-0.17906	1.00E-04
1.19E-11	0.31559	2.93E-12	0.093586	0.04324	0.033517	0.46994	0.061502	0.18459
2.35E-08	0.434792	5.86E-23	0.114585	0.01322	0.108914	0.01855	0.106119	0.02181
5.46E-39	0.609086	9.34E-49	0.025151	0.58772	0.111874	0.01557	0.158044	0.00061
7.81E-32	0.678891	2.24E-64	0.147387	0.0014	0.155122	0.00077	0.331148	2.05E-13
4.62E-16	0.340899	3.58E-14	0.139311	0.00255	-0.00811	0.86125	-0.01969	0.67133
1.10E-10	0.451088	8.68E-25	0.108498	0.01901	0.173281	0.00017	0.091474	0.0482
0.04828	0.081771	0.07751	0.016882	0.71596	0.021396	0.64467	-0.05242	0.25825
0.53311	-0.15534	0.00076	-0.07083	0.12642	-0.05823	0.20908	-0.04823	0.29835
1.34E-10	0.246647	6.68E-08	-0.025	0.58992	0.009081	0.84484	0.165713	0.00032
2.71E-33	0.569012	2.03E-41	0.077157	0.09583	0.110055	0.01735	0.404321	8.57E-20
1.56E-08	0.351352	5.15E-15	0.178908	0.0001	0.076643	0.09807	0.054585	0.23908
0.00064	0.254672	2.39E-08	0.029597	0.52346	0.078471	0.0903	0.071716	0.12171
7.60E-27	0.648485	4.56E-57	0.109245	0.0182	0.145498	0.00162	0.199258	1.44E-05
4.13E-05	0.266669	4.81E-09	0.03807	0.41177	0.014308	0.75778	0.176762	0.00012
3.57E-13	0.445438	3.84E-24	0.167458	0.00028	0.133494	0.00385	0.064578	0.16354
5.52E-17	0.54793	6.02E-38	0.134007	0.00372	0.190042	3.57E-05	0.349177	7.76E-15
2.04E-44	0.661785	3.69E-60	0.134251	0.00365	0.124412	0.00711	0.411903	1.50E-20
0.01421	0.177042	0.00012	0.037706	0.41625	0.10925	0.01819	0.065102	0.16014
1.62E-21	0.574926	1.94E-42	0.176457	0.00013	0.168564	0.00025	0.133732	0.00379
7.32E-26	0.484659	6.99E-29	0.075562	0.10292	0.086671	0.06128	0.26998	3.05E-09
3.94E-11	0.333515	1.35E-13	0.02283	0.62265	0.074033	0.11009	0.194796	2.25E-05
4.37E-09	0.319162	1.61E-12	0.013164	0.77662	0.083871	0.07017	0.282291	5.27E-10
1.26E-06	0.337249	6.94E-14	0.034769	0.45351	0.108409	0.01911	0.250967	3.86E-08
6.33E-34	0.431529	1.32E-22	0.190757	3.33E-05	0.024936	0.59092	0.191631	3.06E-05
6.11E-05	0.257495	1.65E-08	0.090902	0.04962	0.093913	0.04251	0.200039	1.33E-05
2.03E-09	0.246567	6.75E-08	-0.01727	0.70976	0.127076	0.00596	0.024069	0.60389
3.01E-49	0.543938	2.57E-37	0.112484	0.01502	0.062547	0.17722	0.252395	3.21E-08
4.86E-06	0.223168	1.11E-06	0.122465	0.00806	0.110041	0.01737	0.051285	0.26871

0.39759	-0.0804	0.08261	-0.11994	0.00948	-0.07396	0.11046	-0.11362	0.01402
8.65E-14	-0.33371	1.31E-13	-0.17973	9.40E-05	-0.06716	0.14731	-0.3523	4.30E-15
7.10E-22	0.370436	1.23E-16	0.026565	0.56689	0.017385	0.70788	0.078448	0.09039
0.05056	0.142108	0.00208	0.017093	0.71256	0.042291	0.36183	0.222018	1.26E-06
5.71E-16	0.407261	4.38E-20	0.078941	0.08838	0.153774	0.00086	0.271645	2.41E-09
2.59E-10	0.369126	1.60E-16	0.118586	0.01032	0.097248	0.03565	0.189824	3.65E-05
0.00011	0.238629	1.80E-07	0.060764	0.18992	0.027065	0.55962	0.222408	1.21E-06
2.48E-10	0.326225	4.84E-13	0.031742	0.4938	0.100439	0.02999	0.206711	6.67E-06
5.36E-32	0.652028	7.09E-58	0.088337	0.05644	0.152511	0.00095	0.235056	2.77E-07
8.43E-24	0.440962	1.22E-23	0.095891	0.03832	0.114094	0.01362	0.316578	2.49E-12
0.00061	0.205944	7.23E-06	0.107352	0.02032	0.048721	0.29341	0.163546	0.00039
3.76E-06	0.298261	4.75E-11	0.091702	0.04764	0.07087	0.12618	0.097575	0.03503
1.27E-09	0.351526	4.98E-15	0.025959	0.57577	0.082639	0.0744	0.198838	1.50E-05
1.80E-07	0.226282	7.77E-07	0.010339	0.82366	0.030141	0.51586	0.059337	0.20055
6.51E-11	0.392639	1.16E-18	0.082523	0.07481	0.066558	0.15098	0.204777	8.17E-06
0.58759	0.03257	0.48259	0.105042	0.0232	0.003693	0.93656	-0.06328	0.17217
2.50E-33	0.500134	6.31E-31	0.102006	0.02751	0.069751	0.13229	0.275951	1.32E-09
0.79739	0.080625	0.08177	0.009621	0.83573	0.016356	0.72445	0.2363	2.39E-07
7.34E-43	0.684488	8.06E-66	0.160887	0.00048	0.128766	0.00532	0.102384	0.02694
0.01244	0.239079	1.71E-07	0.097572	0.03504	0.13978	0.00247	0.12287	0.00786
0.17325	0.26539	5.73E-09	0.099214	0.03207	0.06736	0.14611	0.139095	0.00259
1.12E-16	0.358446	1.32E-15	0.14264	0.002	0.032397	0.48492	0.219509	1.67E-06
0.00154	0.222085	1.25E-06	-0.11794	0.01075	0.022224	0.63192	0.115661	0.01238
0.48057	-0.07615	0.10025	0.019321	0.67708	-0.00683	0.88304	0.135258	0.0034
0.04726	0.257123	1.73E-08	0.162745	0.00041	0.159978	0.00052	0.103892	0.02476
2.37E-18	0.472858	2.17E-27	0.09541	0.0393	0.101384	0.02847	0.256156	1.97E-08
1.94E-46	0.657902	3.06E-59	0.130876	0.00461	0.164027	0.00037	0.373365	6.78E-17
4.14E-35	0.614555	7.70E-50	0.124334	0.00714	0.10977	0.01765	0.354102	3.05E-15
3.03E-09	0.306156	1.37E-11	0.033851	0.46552	0.096633	0.03684	0.072042	0.12002
4.76E-34	0.649535	2.63E-57	0.184727	5.92E-05	0.18944	3.78E-05	0.36705	2.43E-16
2.88E-30	0.533413	1.07E-35	0.04972	0.28361	0.087207	0.05969	0.261225	1.01E-08
1.30E-36	0.651156	1.12E-57	0.143501	0.00188	0.157618	0.00063	0.307985	1.02E-11
2.57E-17	0.357839	1.49E-15	0.067609	0.14462	0.059347	0.20048	0.29585	6.90E-11
2.80E-10	0.440335	1.43E-23	0.056529	0.22273	0.130136	0.00485	0.215452	2.62E-06
6.61E-15	0.501866	3.67E-31	0.226488	7.59E-07	0.115971	0.01214	0.255994	2.01E-08
4.19E-19	0.397918	3.61E-19	0.064755	0.16239	0.06757	0.14485	0.261181	1.01E-08
8.69E-06	0.201333	1.16E-05	0.001209	0.97921	0.020452	0.65934	0.101211	0.02875
4.34E-22	0.451734	7.31E-25	0.050787	0.27339	0.084971	0.06656	0.288642	2.06E-10
7.67E-15	0.489876	1.47E-29	0.169062	0.00024	0.087805	0.05795	0.250139	4.29E-08
4.58E-31	0.582163	1.03E-43	0.164081	0.00037	0.123278	0.00765	0.205897	7.27E-06
0.00233	0.32312	8.26E-13	0.047075	0.31004	0.093287	0.04391	0.12674	0.0061
0.0021	0.101334	0.02855	-0.00254	0.9563	0.140191	0.00239	0.006928	0.88131
0.00056	-0.19697	1.81E-05	0.001495	0.9743	-0.04321	0.35149	-0.11359	0.01404
1.42E-43	0.594359	6.12E-46	0.180138	9.06E-05	0.128148	0.00555	0.237078	2.18E-07
0.01013	0.122824	0.00788	0.02637	0.56974	0.043575	0.34743	0.151383	0.00103

1.02E-07	0.240345	1.46E-07	0.049153	0.28914	0.031398	0.49849	0.062015	0.18094
2.70E-32	0.570252	1.24E-41	0.137472	0.00291	0.155189	0.00077	0.228737	5.85E-07
2.38E-19	0.456818	1.87E-25	0.089893	0.05222	0.062433	0.17802	0.214647	2.86E-06
1.58E-30	0.42865	2.70E-22	0.11204	0.01542	-0.03108	0.50284	0.004205	0.92778
4.89E-09	0.277914	9.93E-10	0.186052	5.23E-05	0.123211	0.00768	0.034155	0.46152
1.24E-22	0.60136	2.92E-47	0.082538	0.07476	0.079445	0.08636	0.103664	0.02508
3.16E-05	0.292528	1.15E-10	0.061782	0.18259	0.045822	0.32311	0.020994	0.6509
2.78E-05	-0.29269	1.12E-10	-0.04934	0.28729	-0.0455	0.32649	-0.33399	1.24E-13
9.61E-07	0.376717	3.41E-17	0.171207	0.0002	0.135379	0.00338	0.236587	2.31E-07
1.12E-47	0.68713	1.64E-66	0.070417	0.12863	0.135736	0.00329	0.237949	1.96E-07
7.50E-34	0.637994	9.79E-55	0.161422	0.00046	0.174272	0.00015	0.267804	4.11E-09
4.18E-32	0.62751	1.71E-52	0.096072	0.03795	0.130918	0.0046	0.164688	0.00035
9.71E-13	0.385689	5.18E-18	0.086827	0.06081	0.076152	0.10025	0.126807	0.00607
9.14E-08	0.216309	2.38E-06	0.03043	0.51184	0.038511	0.40636	0.242071	1.18E-07
7.44E-06	0.302888	2.30E-11	0.045837	0.32296	0.091168	0.04896	0.088361	0.05638
0.49055	0.005197	0.91081	-0.00355	0.93904	-0.06238	0.17836	-0.04085	0.37849
0.63376	-0.0291	0.53045	0.037348	0.42069	0.03861	0.40516	0.164649	0.00035
0.22288	0.124281	0.00717	0.040494	0.38262	0.008908	0.84775	0.117872	0.01079
2.98E-20	0.509874	2.87E-32	0.16884	0.00025	0.11384	0.01384	0.268541	3.72E-09
0.00095	-0.12967	0.00501	-0.09798	0.03428	-0.0358	0.44026	-0.14859	0.00128
6.60E-11	0.205037	7.95E-06	0.110015	0.01739	0.072741	0.11646	0.274503	1.62E-09
4.85E-22	0.394318	8.00E-19	0.045673	0.32469	0.058136	0.20983	0.245785	7.45E-08
0.0425	0.154582	0.0008	0.049695	0.28385	0.0421	0.36401	0.039333	0.39641
2.17E-12	0.233824	3.21E-07	-0.01657	0.72094	-0.01124	0.8086	0.05053	0.27583
0.82661	0.133775	0.00378	0.006953	0.88088	0.045826	0.32307	-0.03032	0.51333
1.69E-14	0.22942	5.40E-07	0.005199	0.91078	-0.0248	0.59302	0.087212	0.05967
4.90E-09	0.274888	1.53E-09	0.079989	0.08422	0.077217	0.09558	0.028347	0.54116
9.75E-11	0.392818	1.11E-18	-0.07962	0.08565	0.045978	0.32146	0.146699	0.00148
0.31299	0.111881	0.01557	0.095995	0.03811	0.002134	0.96332	-0.05031	0.27794
0.31145	-0.07317	0.11433	0.006071	0.8959	-0.02729	0.55632	-0.15503	0.00077
8.25E-44	0.656943	5.14E-59	0.118763	0.01021	0.159796	0.00053	0.225781	8.23E-07
3.60E-06	0.323551	7.67E-13	0.025458	0.58316	0.222533	1.19E-06	0.064646	0.1631
1.26E-08	0.287971	2.28E-10	0.040092	0.38735	0.071206	0.12439	0.105356	0.02279
3.00E-20	0.413265	1.09E-20	0.065005	0.16077	0.048817	0.29246	0.088307	0.05653
2.63E-22	0.500357	5.88E-31	0.139352	0.00254	0.042778	0.35632	0.070116	0.13027
6.55E-33	0.498431	1.07E-30	0.112879	0.01466	0.056233	0.22517	0.03457	0.45609
6.02E-11	0.360527	8.82E-16	-0.00173	0.97028	0.11684	0.01151	0.171645	0.00019
0.34147	-0.01133	0.80704	-0.00346	0.94054	-0.05043	0.27679	-0.14431	0.00177
2.56E-08	-0.29587	6.88E-11	-0.18787	4.40E-05	-0.08455	0.06792	-0.23048	4.77E-07
1.06E-06	-0.20442	8.47E-06	0.024636	0.59539	-0.1054	0.02273	-0.1261	0.00636
1.81E-36	0.573843	2.99E-42	0.071274	0.12403	0.059523	0.19915	0.242935	1.06E-07
0.23011	0.150009	0.00115	0.021282	0.64644	0.000821	0.98589	-0.17625	0.00013
0.11411	0.019284	0.67767	-9.88E-05	0.9983	-0.04207	0.36439	0.073054	0.11489
7.09E-46	0.626627	2.61E-52	0.111472	0.01595	0.104835	0.02347	0.17982	9.33E-05
9.27E-06	0.407155	4.49E-20	0.091365	0.04847	0.177265	0.00012	0.088074	0.05719



0.8223	0.140768	0.0023	-0.07074	0.12689	0.08824	0.05672	-0.1569	0.00067
0.0042	0.039442	0.39511	0.092216	0.0464	0.07333	0.11352	-0.02514	0.58795
3.38E-28	0.576163	1.18E-42	0.101844	0.02776	0.087808	0.05794	0.072207	0.11917
4.61E-28	0.497869	1.28E-30	0.046716	0.31375	0.096655	0.0368	0.141203	0.00222
8.47E-38	0.655874	9.13E-59	0.077934	0.09253	0.177676	0.00011	0.24051	1.43E-07
0.22568	0.130157	0.00484	0.11453	0.01327	-0.00282	0.95152	0.080337	0.08287
1.50E-14	0.461814	4.78E-26	0.09588	0.03834	0.107172	0.02053	0.055306	0.23292
1.84E-42	0.670311	3.16E-62	0.117054	0.01136	0.137735	0.00286	0.358206	1.39E-15
4.97E-31	0.59458	5.56E-46	0.098814	0.03277	0.13842	0.00272	0.284051	4.07E-10
1.12E-09	0.326071	4.97E-13	0.141973	0.0021	0.0405	0.38254	0.07546	0.10338
8.62E-06	0.284763	3.67E-10	0.183789	6.47E-05	0.067966	0.14251	0.094243	0.04178
0.00076	0.213119	3.37E-06	0.026326	0.57038	0.014567	0.75354	0.106667	0.02114
0.67453	-0.02309	0.61874	0.000488	0.99162	-0.02541	0.58386	-0.01239	0.78951
3.90E-26	0.483215	1.07E-28	0.070719	0.12699	0.094805	0.04057	0.11019	0.01721
0.00012	-0.22515	8.84E-07	-0.10908	0.01838	-0.14886	0.00125	-0.18882	4.02E-05
0.70851	0.082443	0.0751	-0.09022	0.05136	0.01154	0.80357	-0.02679	0.56366
1.53E-32	0.574138	2.66E-42	0.029675	0.52236	0.126591	0.00616	0.383012	9.14E-18
2.76E-33	0.581623	1.28E-43	0.0867	0.06119	0.104689	0.02367	0.294309	8.74E-11
3.56E-44	0.679874	1.25E-64	0.176216	0.00013	0.15276	0.00093	0.379131	2.06E-17
3.37E-18	0.422129	1.33E-21	0.067261	0.1467	0.082233	0.07584	0.154752	0.00079
4.59E-23	0.53006	3.43E-35	0.090535	0.05055	0.065988	0.15452	0.101761	0.02789
1.78E-23	0.514743	5.90E-33	0.079185	0.08739	0.070337	0.12906	0.078966	0.08828
0.87418	-0.03603	0.4373	-0.05174	0.26446	-0.08305	0.07298	-0.05006	0.28033
1.13E-09	0.327481	3.90E-13	0.104138	0.02442	0.016419	0.72342	0.127458	0.00581
3.16E-11	0.532861	1.30E-35	0.027576	0.55222	0.188055	4.32E-05	0.211148	4.17E-06
3.57E-19	0.430537	1.70E-22	0.010913	0.81404	0.05942	0.19993	0.272502	2.14E-09
3.51E-18	0.429068	2.44E-22	0.19214	2.91E-05	0.177322	0.00012	0.191606	3.07E-05
0.00772	0.230825	4.58E-07	0.215511	2.60E-06	0.226926	7.21E-07	0.132998	0.00399
9.40E-10	0.397612	3.87E-19	0.001438	0.97528	0.038832	0.40246	0.054795	0.23727
0.0018	0.117986	0.01072	0.004251	0.927	-0.02099	0.65093	0.028258	0.54243
1.66E-30	0.670321	3.15E-62	0.069095	0.13598	0.142853	0.00197	0.192532	2.80E-05
2.55E-62	0.561168	4.25E-40	0.14747	0.00139	0.059424	0.19989	0.208671	5.43E-06
8.91E-24	0.526156	1.31E-34	0.150357	0.00112	0.153316	0.00089	0.17033	0.00022
2.80E-05	0.233979	3.16E-07	0.00628	0.89233	-0.04116	0.3748	-0.08915	0.0542
2.03E-25	0.500423	5.76E-31	0.119921	0.00949	0.108672	0.01882	0.233496	3.34E-07
0.02243	0.071106	0.12492	-0.04452	0.33709	0.00555	0.90479	0.114065	0.01365
3.02E-06	0.322739	8.81E-13	0.23207	3.96E-07	0.173514	0.00016	0.118995	0.01006
0.00053	0.242084	1.18E-07	0.122866	0.00786	0.089201	0.05406	0.171875	0.00019
4.49E-09	0.31001	7.34E-12	0.113422	0.01419	0.060406	0.19255	0.203873	8.97E-06
4.28E-36	0.688655	6.47E-67	0.112277	0.0152	0.11802	0.01069	0.260585	1.10E-08
1.02E-13	0.319595	1.50E-12	0.027241	0.55706	0.107544	0.0201	0.268768	3.60E-09
4.69E-20	0.525391	1.70E-34	0.064761	0.16235	0.032707	0.48075	0.253921	2.64E-08
0.31655	-0.04882	0.29242	0.10538	0.02276	0.024189	0.60209	0.059001	0.20312
4.37E-45	0.697014	3.60E-69	0.067093	0.14772	0.108433	0.01908	0.333927	1.26E-13
4.85E-07	0.246567	6.75E-08	0.028137	0.54416	0.111943	0.01551	0.040892	0.37795

2.20E-07	0.258753	1.40E-08	0.013828	0.76567	0.033441	0.47095	0.05102	0.2712
2.38E-21	0.404333	8.55E-20	0.076745	0.09763	0.055237	0.2335	0.181822	7.76E-05
1.87E-16	0.375425	4.45E-17	-0.0277	0.5504	0.067305	0.14644	0.077416	0.09472
4.69E-16	0.376404	3.63E-17	0.101315	0.02858	0.110575	0.01683	0.142827	0.00197
2.05E-17	0.45557	2.62E-25	0.036255	0.43444	0.064484	0.16416	0.125448	0.00664
1.61E-13	0.434485	6.33E-23	0.07861	0.08973	0.101433	0.0284	0.179416	9.68E-05
4.99E-08	-0.32155	1.08E-12	-0.09436	0.04153	-0.12007	0.0094	-0.09789	0.03444
0.85859	-0.01289	0.78121	0.004324	0.92575	0.015584	0.73695	-0.1371	0.00299
3.49E-44	0.649793	2.30E-57	0.067925	0.14275	0.070597	0.12765	0.344428	1.88E-14
0.89783	0.063204	0.17271	-0.09491	0.04036	0.043218	0.35139	-0.09283	0.04496
9.00E-37	0.646863	1.06E-56	0.150846	0.00108	0.069168	0.13556	0.33425	1.19E-13
8.40E-13	0.238771	1.77E-07	0.036228	0.43477	0.0319	0.49165	0.034096	0.4623
8.25E-33	0.512902	1.08E-32	0.090057	0.05179	0.094586	0.04104	0.295687	7.08E-11
2.02E-11	0.330042	2.49E-13	0.014935	0.74753	0.10412	0.02444	0.120292	0.00927
2.35E-10	0.463855	2.72E-26	0.086973	0.06038	0.094074	0.04215	0.196609	1.88E-05
0.00011	-0.13081	0.00463	0.096728	0.03665	-0.07566	0.10247	-0.18012	9.07E-05
3.37E-08	0.267431	4.33E-09	0.054559	0.2393	-0.03235	0.48551	0.101761	0.02789
2.18E-25	0.508709	4.18E-32	0.147161	0.00143	0.10948	0.01795	0.250487	4.11E-08
9.05E-20	0.490762	1.12E-29	0.03321	0.47403	0.028447	0.53973	0.013343	0.77367
2.60E-05	0.260575	1.10E-08	0.08406	0.06954	0.02912	0.53018	-0.04418	0.34072
4.42E-28	0.590415	3.28E-45	0.103242	0.02568	0.175139	0.00014	0.165313	0.00033
1.29E-15	0.413034	1.15E-20	0.124579	0.00703	0.073087	0.11473	0.279714	7.67E-10
7.62E-08	0.165082	0.00034	0.058307	0.2085	-0.08147	0.07861	-0.01746	0.70663
1.09E-09	0.302331	2.51E-11	-0.00253	0.95654	0.117445	0.01108	0.083076	0.07288
0.38741	-0.06492	0.16129	-0.10063	0.02967	-0.01889	0.68383	-0.00907	0.84498
1.18E-13	0.367396	2.27E-16	0.05686	0.22003	0.06537	0.15843	0.136498	0.00312
1.00E-10	0.339151	4.92E-14	0.151791	0.001	0.04422	0.34033	0.194855	2.23E-05
0.08566	0.1615	0.00046	-0.03945	0.39503	9.24E-05	0.99841	0.200454	1.27E-05
1.78E-10	0.307903	1.03E-11	0.045788	0.32347	0.040008	0.38835	0.14189	0.00211
5.57E-07	0.307178	1.16E-11	0.041077	0.37579	0.05021	0.27889	-0.00469	0.91946
0.30257	-0.01856	0.68912	0.080401	0.08263	-0.02777	0.5494	-0.12927	0.00515
4.30E-11	0.378058	2.58E-17	0.106273	0.02162	0.089867	0.05229	0.1275	0.00579
3.63E-28	0.575403	1.60E-42	0.352771	3.93E-15	0.166602	0.0003	0.226956	7.19E-07
3.29E-31	0.63286	1.26E-53	0.266392	4.99E-09	0.156925	0.00067	0.223803	1.03E-06
1.85E-09	0.315993	2.74E-12	0.200972	1.21E-05	0.224276	9.77E-07	0.233836	3.21E-07
5.08E-11	0.370067	1.33E-16	0.295721	7.04E-11	0.128197	0.00553	0.303008	2.26E-11
2.13E-20	0.515141	5.18E-33	0.123082	0.00775	0.110532	0.01687	0.232579	3.73E-07
5.68E-07	0.271862	2.34E-09	0.113396	0.01421	0.109864	0.01755	0.278024	9.78E-10
1.62E-39	0.693124	4.12E-68	0.216532	2.32E-06	0.192398	2.84E-05	0.453614	4.42E-25
5.95E-09	0.350783	5.73E-15	0.097329	0.0355	-0.02245	0.62844	0.137652	0.00287
5.05E-29	0.560052	6.51E-40	0.116056	0.01208	0.095612	0.03889	0.308941	8.73E-12
9.70E-08	0.431138	1.46E-22	0.175811	0.00013	0.112648	0.01487	-0.04027	0.38522
0.00025	0.283511	4.41E-10	0.131198	0.00451	0.155379	0.00075	0.004702	0.91928
8.24E-22	0.463648	2.88E-26	0.074886	0.10604	0.066924	0.14875	0.30938	8.13E-12
0.66462	0.000969	0.98334	0.02068	0.65578	0.020962	0.65139	-0.06757	0.14488

2.17E-11	0.24399	9.32E-08	0.018106	0.69634	0.017968	0.69855	-0.07546	0.1034
0.07134	0.12669	0.00612	-0.03197	0.49074	0.009567	0.83664	0.106731	0.02106
8.93E-28	0.570878	9.72E-42	0.100664	0.02963	0.121429	0.00862	0.238083	1.93E-07
2.30E-05	0.296941	5.83E-11	-0.05194	0.26267	0.078456	0.09036	0.020249	0.6625
0.01403	0.218981	1.77E-06	-0.0549	0.23641	0.058095	0.21016	0.090132	0.05159
1.90E-05	-0.28679	2.72E-10	-0.04294	0.35451	-0.07776	0.09324	-0.22855	5.97E-07
0.00047	0.342481	2.69E-14	0.143505	0.00188	0.125233	0.00673	0.049369	0.28703
1.39E-14	0.291862	1.27E-10	0.340487	3.86E-14	0.117784	0.01085	0.172605	0.00018
8.03E-52	0.732532	1.09E-79	0.15305	0.00091	0.159014	0.00056	0.220652	1.47E-06
2.28E-58	0.751966	3.42E-86	0.085717	0.0642	0.114336	0.01342	0.185486	5.51E-05
0.00054	0.184403	6.10E-05	0.032503	0.4835	0.038623	0.405	0.123194	0.00769
7.68E-61	0.763048	3.55E-90	0.179187	9.88E-05	0.169895	0.00023	0.182099	7.56E-05
1.49E-06	0.142671	0.002	0.08749	0.05886	0.045094	0.33087	0.012914	0.78075
0.01214	0.262775	8.17E-09	0.023626	0.61056	0.083757	0.07056	0.080308	0.08298
2.50E-13	0.423123	1.04E-21	0.095235	0.03967	0.058529	0.20676	0.190064	3.56E-05
0.00225	0.189456	3.78E-05	0.096338	0.03742	0.010141	0.82699	0.005442	0.90663
0.00243	0.139733	0.00247	0.023608	0.61084	0.028575	0.53791	0.145399	0.00163
5.84E-05	0.298044	4.91E-11	0.074638	0.10721	0.104392	0.02407	0.027257	0.55682
7.46E-05	-0.35242	4.20E-15	-0.08577	0.06402	-0.0897	0.05274	-0.10628	0.02161
1.15E-22	-0.50986	2.88E-32	0.023394	0.61408	-0.14063	0.00232	-0.23131	4.33E-07
1.42E-14	0.308598	9.23E-12	0.054124	0.24307	0.042571	0.35866	0.1634	0.00039
6.30E-32	0.596463	2.47E-46	0.193282	2.61E-05	0.129569	0.00504	0.316578	2.49E-12
1.36E-08	0.350776	5.74E-15	0.07934	0.08677	0.08419	0.06911	0.046866	0.3122
0.00081	0.145677	0.0016	-0.07763	0.09383	0.109303	0.01814	0.03276	0.48004
2.96E-22	0.489827	1.49E-29	0.090615	0.05035	0.192673	2.77E-05	0.159062	0.00056
0.74768	0.112024	0.01544	-0.00098	0.98322	0.078386	0.09065	-0.01591	0.73166
1.02E-39	0.57657	1.00E-42	0.108301	0.01923	0.099818	0.03103	0.124526	0.00705
4.42E-26	0.597446	1.62E-46	0.072961	0.11535	0.145143	0.00166	0.33931	4.78E-14
6.23E-24	0.384549	6.60E-18	0.086246	0.06257	0.047878	0.30185	0.14305	0.00194
3.71E-20	0.51063	2.25E-32	0.171577	0.00019	0.13281	0.00404	0.087676	0.05832
9.27E-26	0.560159	6.25E-40	0.102319	0.02704	0.14944	0.0012	0.268274	3.86E-09
3.93E-05	0.11937	0.00982	0.06184	0.18218	0.044689	0.33523	0.124687	0.00698
7.92E-16	0.29194	1.25E-10	0.074007	0.11022	0.065729	0.15615	0.167313	0.00028
3.88E-29	0.554368	5.56E-39	0.067265	0.14668	0.095614	0.03888	0.220886	1.43E-06
0.00032	0.078149	0.09163	0.014483	0.75491	-0.00186	0.96809	0.013397	0.77277
1.43E-09	0.414865	7.48E-21	0.037561	0.41805	0.047889	0.30174	0.161371	0.00046
0.03812	0.20784	5.93E-06	0.082623	0.07446	0.077935	0.09252	0.059519	0.19917
1.42E-23	0.490009	1.41E-29	0.13898	0.00261	0.081358	0.07903	0.188315	4.22E-05
4.33E-60	0.768818	2.44E-92	0.127132	0.00594	0.125931	0.00643	0.191319	3.16E-05
1.72E-06	0.278668	8.91E-10	-0.01485	0.74896	0.088633	0.05562	-0.08697	0.06038
1.86E-08	0.389944	2.08E-18	0.2143	2.97E-06	0.157506	0.00064	-0.0165	0.72213
1.71E-09	-0.30696	1.20E-11	-0.04056	0.3818	-0.07228	0.11879	-0.13644	0.00313
0.00014	0.402869	1.19E-19	0.243026	1.05E-07	0.166132	0.00031	0.164297	0.00036
2.16E-05	0.232955	3.56E-07	0.098236	0.03381	0.009492	0.8379	0.093862	0.04262
1.80E-35	0.637073	1.55E-54	0.180034	9.15E-05	0.031677	0.49469	0.219423	1.69E-06

0.01034	-0.06915	0.13564	0.140507	0.00234	-0.06852	0.13927	-0.11816	0.0106
7.98E-14	0.431373	1.38E-22	0.045452	0.32704	0.05843	0.20753	0.214435	2.92E-06
7.99E-05	0.319481	1.53E-12	-0.00559	0.90408	-0.0125	0.78761	-0.01337	0.77317
4.71E-14	0.5117	1.59E-32	-0.04933	0.28741	0.061181	0.1869	0.085683	0.0643
0.34196	0.214368	2.95E-06	0.014716	0.7511	0.005349	0.90823	0.042074	0.36431
3.02E-05	0.295118	7.72E-11	0.094625	0.04096	0.095636	0.03884	-0.00928	0.84143
1.76E-42	0.605269	5.18E-48	0.053316	0.25018	0.105895	0.0221	0.168869	0.00025
1.29E-09	0.339428	4.68E-14	0.074373	0.10846	0.065091	0.16021	0.19055	3.40E-05
5.23E-19	0.405579	6.43E-20	0.168874	0.00025	0.090766	0.04997	0.101133	0.02887
0.70848	-0.02987	0.51957	-0.01634	0.72473	-0.00221	0.96206	0.131699	0.00436
1.26E-16	0.340342	3.97E-14	0.05474	0.23774	-0.02882	0.53436	0.171039	0.0002
3.54E-11	0.2015	1.14E-05	-0.00701	0.87986	0.053097	0.25214	0.118517	0.01037
1.45E-07	0.242878	1.07E-07	0.047892	0.30171	0.004077	0.92998	0.142311	0.00205
0.00011	0.324357	6.68E-13	0.168088	0.00026	0.113994	0.01371	-0.01317	0.7766
1.99E-05	0.268297	3.84E-09	0.097385	0.03539	0.047464	0.30606	0.138345	0.00273
1.76E-06	0.225787	8.22E-07	0.021165	0.64825	-0.03133	0.49944	-0.02489	0.59157
3.50E-06	0.228771	5.82E-07	0.085476	0.06495	0.085485	0.06493	0.244827	8.40E-08
1.83E-19	0.457883	1.40E-25	0.041987	0.3653	0.043532	0.34791	0.181012	8.36E-05
7.55E-34	0.579237	3.40E-43	0.109149	0.0183	0.165883	0.00032	0.363915	4.53E-16
4.88E-09	0.390018	2.04E-18	0.190824	3.31E-05	0.079761	0.08511	0.125059	0.00681
7.18E-05	0.339062	5.00E-14	0.027141	0.55851	0.083375	0.07185	0.035879	0.43922
1.01E-12	0.430358	1.77E-22	0.122202	0.0082	0.101114	0.0289	0.218815	1.81E-06
8.40E-06	0.173609	0.00016	0.104655	0.02371	0.001187	0.97959	-0.06627	0.15278
0.00042	0.241673	1.24E-07	0.032168	0.48801	0.012989	0.77951	0.155861	0.00073
4.34E-18	0.432347	1.08E-22	0.081609	0.0781	0.105688	0.02236	0.07632	0.0995
7.06E-11	0.250097	4.32E-08	0.0393	0.39681	0.084116	0.06935	0.177781	0.00011
5.64E-31	0.565643	7.57E-41	0.096014	0.03807	0.074264	0.10898	0.207662	6.04E-06
0.49027	0.007613	0.86966	-0.06726	0.14673	0.064375	0.16487	0.191149	3.21E-05
1.52E-05	0.173947	0.00016	-0.01514	0.74416	-0.01956	0.67328	0.037404	0.42
0.00055	0.30963	7.81E-12	0.247592	5.93E-08	0.056151	0.22585	0.064751	0.16242
1.29E-26	0.411039	1.83E-20	0.164383	0.00036	0.05937	0.2003	0.122505	0.00804
4.93E-17	0.516213	3.64E-33	0.114113	0.01361	0.135533	0.00334	0.101947	0.0276
1.29E-60	0.671616	1.51E-62	0.131671	0.00437	0.081167	0.07974	0.213082	3.39E-06
1.30E-31	0.469134	6.23E-27	0.075999	0.10094	0.062686	0.17626	0.041692	0.36868
4.02E-42	0.519401	1.27E-33	0.058897	0.20392	0.109747	0.01767	0.145215	0.00165
0.10145	0.116876	0.01148	-0.04266	0.35763	0.01782	0.70091	0.174752	0.00015
0.48985	0.018044	0.69734	-0.08563	0.06446	0.025038	0.5894	-0.04559	0.32556
3.45E-19	-0.40303	1.15E-19	-0.05921	0.20156	0.015043	0.74576	-0.25016	4.28E-08
1.61E-20	0.431759	1.25E-22	0.009046	0.84542	0.102567	0.02666	0.147591	0.00138
6.08E-07	0.403216	1.10E-19	0.046021	0.32101	0.125008	0.00683	0.090156	0.05153
0.78498	0.059074	0.20256	0.112712	0.01481	0.019761	0.67015	0.093087	0.04437
3.20E-06	0.178278	0.00011	-0.01199	0.79613	-0.00799	0.86327	0.140397	0.00236
6.16E-05	0.313554	4.11E-12	0.08025	0.08321	0.134308	0.00364	0.111961	0.01549
8.59E-13	0.418799	2.95E-21	0.072331	0.11854	0.05997	0.19579	0.149951	0.00115
6.14E-73	0.49884	9.44E-31	0.089629	0.05292	0.02671	0.56477	0.227101	7.07E-07

4.29E-07	0.341073	3.47E-14	0.092255	0.04631	0.062087	0.18044	0.260892	1.05E-08
4.06E-06	0.226953	7.19E-07	0.087297	0.05942	-0.04826	0.29799	0.015939	0.73119
0.01557	-0.09089	0.04965	0.020698	0.6555	-0.08249	0.07492	-0.09235	0.04609
1.54E-15	-0.49902	8.91E-31	-0.03505	0.44986	-0.13613	0.0032	-0.0929	0.04481
1.85E-13	0.423031	1.07E-21	-0.00578	0.90092	0.104878	0.02341	0.196169	1.96E-05
1.14E-16	0.388915	2.59E-18	0.003054	0.94752	0.081899	0.07705	0.154329	0.00082
1.26E-08	0.172466	0.00018	0.035468	0.44447	0.039294	0.39689	0.22434	9.70E-07
2.54E-49	0.763495	2.42E-90	0.153265	0.00089	0.139215	0.00257	0.315392	3.03E-12
0.00012	-0.01167	0.80148	0.007626	0.86945	0.06476	0.16236	-0.08262	0.07446
5.67E-31	0.552274	1.21E-38	0.065019	0.16068	0.123497	0.00754	0.269001	3.49E-09
2.30E-40	0.656675	5.94E-59	0.138523	0.0027	0.151595	0.00102	0.357594	1.56E-15
1.30E-36	0.638785	6.58E-55	0.099242	0.03202	0.141409	0.00219	0.269487	3.26E-09
1.29E-36	0.660393	7.91E-60	0.145923	0.00157	0.162669	0.00042	0.315485	2.99E-12
1.76E-06	0.361869	6.78E-16	0.099407	0.03173	0.120934	0.0089	0.175931	0.00013
1.29E-06	0.366769	2.57E-16	0.088355	0.05639	0.079744	0.08518	0.083144	0.07265
1.76E-11	0.383476	8.28E-18	0.10336	0.02551	0.102293	0.02707	0.215627	2.57E-06
2.68E-53	0.708593	2.00E-72	0.086437	0.06198	0.138903	0.00263	0.288895	1.98E-10
0.00212	0.199608	1.39E-05	0.041741	0.36812	0.073752	0.11146	0.16764	0.00027
1.51E-26	0.565376	8.39E-41	0.142933	0.00196	0.115571	0.01245	0.300795	3.20E-11
1.38E-11	0.38332	8.56E-18	0.079314	0.08688	0.096851	0.03641	0.243505	9.90E-08
6.22E-20	0.470224	4.58E-27	0.116662	0.01164	0.093587	0.04323	0.275708	1.36E-09
0.00052	0.235433	2.65E-07	0.061249	0.1864	0.142788	0.00198	0.228642	5.91E-07
5.54E-05	0.296837	5.93E-11	0.066265	0.1528	0.063255	0.17236	0.201739	1.12E-05
9.31E-05	0.234699	2.90E-07	0.098474	0.03338	0.050562	0.27553	0.135436	0.00336
1.51E-11	0.437028	3.33E-23	-0.08454	0.06796	0.067271	0.14665	0.156137	0.00071
2.20E-11	0.348941	8.11E-15	0.147483	0.00139	0.060128	0.1946	0.16859	0.00025
5.80E-14	0.395817	5.75E-19	0.003959	0.93201	0.103287	0.02561	0.127257	0.00589
7.80E-23	0.473154	1.99E-27	0.043533	0.3479	0.086907	0.06057	0.285954	3.08E-10
1.30E-24	0.55568	3.40E-39	0.153669	0.00086	0.13683	0.00305	0.341953	2.96E-14
1.74E-16	0.419028	2.79E-21	-0.01017	0.82651	0.067171	0.14724	0.265183	5.89E-09
0.11004	0.185062	5.74E-05	0.081294	0.07926	0.082914	0.07344	-0.11737	0.01114
0.73073	-0.03857	0.40559	-0.02024	0.66265	-0.04932	0.28748	-0.11907	0.01001
7.32E-46	0.62556	4.36E-52	0.098755	0.03287	0.103764	0.02494	0.213785	3.14E-06
2.68E-14	0.25894	1.36E-08	-0.0634	0.17138	-0.05754	0.21456	0.061075	0.18766
2.14E-05	0.13319	0.00393	-0.08878	0.05521	0.031499	0.4971	0.082633	0.07443
3.70E-05	0.298745	4.41E-11	0.027234	0.55716	0.015722	0.7347	0.048654	0.29407
0.50546	0.047756	0.30309	-0.03714	0.42335	0.10474	0.0236	0.047998	0.30064
0.00011	0.198058	1.62E-05	0.096961	0.0362	0.021182	0.64798	0.099808	0.03105
0.68158	0.120949	0.00889	0.056416	0.22366	-0.00807	0.8619	-0.03057	0.50991
4.43E-10	0.285911	3.10E-10	0.033993	0.46365	0.094532	0.04116	0.273312	1.91E-09
1.01E-19	0.456632	1.96E-25	0.029255	0.52827	0.077112	0.09603	0.175411	0.00014
0.00177	0.175277	0.00014	0.0089	0.84788	0.025308	0.58539	0.039181	0.39825
0.00018	0.220265	1.54E-06	0.022248	0.63154	0.054809	0.23715	0.046806	0.31281
5.12E-13	0.464865	2.06E-26	0.074308	0.10878	0.037066	0.42421	0.077387	0.09485
1.05E-29	0.496518	1.94E-30	0.13515	0.00343	0.069185	0.13547	0.155493	0.00075

2.64E-21	0.413158	1.12E-20	-0.03877	0.40316	0.011789	0.79943	0.270757	2.73E-09
1.60E-05	0.352839	3.88E-15	0.021888	0.63708	0.062615	0.17675	0.025057	0.58912
0.51988	-0.01141	0.80582	-0.03567	0.44193	0.039272	0.39715	-0.10594	0.02204
1.09E-19	-0.46667	1.24E-26	-0.00709	0.87852	-0.00287	0.95063	-0.0948	0.04059
4.81E-24	0.578666	4.28E-43	-0.00911	0.84427	0.05968	0.19796	0.269664	3.18E-09
9.49E-25	0.646314	1.41E-56	0.097332	0.03549	0.141635	0.00215	0.149038	0.00124
0.86586	0.010885	0.81451	-0.01794	0.69894	0.035024	0.45021	-0.08679	0.06092
0.07239	0.043269	0.35083	0.03962	0.39297	-0.00274	0.9529	0.055973	0.22732
8.04E-11	0.332834	1.53E-13	0.108452	0.01906	0.03081	0.50657	0.196867	1.83E-05
0.98163	0.036663	0.42927	0.056616	0.22202	0.021897	0.63694	-0.05179	0.26405
6.36E-05	-0.17751	0.00012	0.028139	0.54413	-0.05201	0.26199	-0.17052	0.00021
5.77E-06	-0.19742	1.73E-05	-0.07964	0.08558	-0.0644	0.16473	-0.19663	1.87E-05
1.37E-39	0.581073	1.60E-43	0.077013	0.09646	0.097672	0.03485	0.228735	5.85E-07
0.47654	-0.04401	0.34261	0.083712	0.07071	0.022775	0.62348	-0.00875	0.85036
7.53E-13	0.452615	5.78E-25	0.040097	0.38729	0.030273	0.51401	-0.03678	0.42779
1.42E-08	0.310393	6.89E-12	-0.02445	0.59822	0.051126	0.2702	0.025602	0.58103
0.39138	0.100548	0.02981	0.019513	0.67405	0.089127	0.05426	0.042602	0.35831
0.00093	0.22166	1.31E-06	0.080422	0.08255	0.150336	0.00112	0.096497	0.03711
1.85E-10	0.379681	1.84E-17	0.308766	8.98E-12	0.169894	0.00023	0.111767	0.01567
1.46E-06	0.285222	3.43E-10	0.047527	0.30541	0.008768	0.85012	0.173921	0.00016
0.01256	0.299634	3.84E-11	0.073806	0.11119	0.178176	0.00011	0.071547	0.12259
5.63E-49	0.694449	1.81E-68	0.121866	0.00838	0.147784	0.00136	0.313573	4.10E-12
1.05E-30	0.590236	3.54E-45	0.129792	0.00497	0.147712	0.00137	0.25895	1.36E-08
4.08E-09	0.377291	3.02E-17	0.062875	0.17496	0.093121	0.04429	0.15254	0.00094
1.14E-11	0.430548	1.69E-22	-0.0143	0.75799	0.060523	0.19169	0.018351	0.69245
4.21E-32	0.478419	4.37E-28	0.10373	0.02498	0.074466	0.10802	0.224726	9.28E-07
0.07827	0.002887	0.95039	0.029255	0.52828	-0.00839	0.85659	0.059847	0.1967
2.15E-23	0.524282	2.47E-34	0.105955	0.02202	0.099255	0.032	0.102322	0.02703
0.08611	0.158723	0.00058	0.056602	0.22213	-0.01164	0.80195	0.01219	0.79276
6.37E-41	0.752042	3.22E-86	0.184063	6.30E-05	0.177259	0.00012	0.336036	8.63E-14
1.27E-30	0.63204	1.88E-53	0.185984	5.26E-05	0.069194	0.13542	0.21117	4.16E-06
1.10E-19	0.536714	3.38E-36	0.085277	0.06558	0.101916	0.02765	0.002287	0.96068
1.28E-12	0.4038	9.64E-20	0.057692	0.21334	0.04106	0.37599	0.059985	0.19567
0.00533	0.186355	5.08E-05	-0.02544	0.58339	-0.01289	0.78114	0.057109	0.21801
5.26E-24	0.50037	5.86E-31	0.075919	0.1013	0.123078	0.00775	0.281371	6.03E-10
1.31E-08	0.349162	7.78E-15	0.029703	0.52198	0.059865	0.19657	0.143366	0.0019
1.20E-05	0.248172	5.51E-08	0.067511	0.14521	0.102612	0.0266	0.026172	0.57264
2.30E-07	0.17679	0.00012	0.050073	0.28021	-0.02105	0.6501	0.038826	0.40253
5.11E-09	0.364725	3.86E-16	-0.03998	0.38869	0.152109	0.00098	0.126397	0.00624
0.04277	0.068395	0.14	-0.10751	0.02014	-0.06674	0.14988	-0.0436	0.34713
0.14972	-0.18185	7.74E-05	-0.02566	0.58012	-0.16175	0.00045	-0.0051	0.91243
1.85E-30	0.628558	1.03E-52	0.123469	0.00756	0.115871	0.01222	0.208366	5.61E-06
5.92E-06	0.193541	2.54E-05	0.131303	0.00448	-0.04274	0.35677	0.13803	0.0028
1.95E-27	0.549494	3.39E-38	0.059933	0.19606	0.156668	0.00068	0.138786	0.00265
9.22E-12	0.374223	5.69E-17	0.076987	0.09657	0.056414	0.22367	0.324364	6.67E-13

1.36E-05	0.30705	1.18E-11	0.081341	0.07909	0.097358	0.03544	0.159892	0.00052
1.06E-34	0.662851	2.05E-60	0.161207	0.00047	0.196307	1.93E-05	0.428022	3.16E-22
1.51E-14	0.307957	1.02E-11	0.045791	0.32344	0.097107	0.03592	0.203583	9.24E-06
9.60E-11	0.43091	1.55E-22	0.076703	0.09781	0.033864	0.46535	0.110993	0.01641
4.11E-08	0.341545	3.19E-14	0.118958	0.01008	0.169779	0.00023	0.064942	0.16117
0.06512	0.146594	0.00149	-0.06059	0.19118	0.070463	0.12838	-0.07172	0.12169
2.86E-44	0.413258	1.09E-20	0.050369	0.27736	0.056284	0.22475	0.122949	0.00782
8.03E-67	0.731214	2.86E-79	0.028578	0.53787	0.092819	0.04499	0.202745	1.01E-05
0.00343	0.123427	0.00758	-0.03217	0.48802	0.010553	0.82008	0.006351	0.89113
2.16E-13	0.373816	6.19E-17	0.061907	0.18171	0.140406	0.00236	0.180843	8.49E-05
8.42E-06	0.13738	0.00293	-0.02684	0.56284	-0.00913	0.84408	0.027066	0.55959
7.80E-10	0.278647	8.94E-10	0.065552	0.15727	0.043325	0.35021	0.058708	0.20538
0.04839	0.080784	0.08117	-0.13069	0.00467	0.082134	0.0762	0.004124	0.92917
0.00791	0.044845	0.33355	0.036687	0.42897	-0.0099	0.83097	0.010524	0.82056
2.97E-60	0.772469	9.68E-94	0.058498	0.207	0.089087	0.05437	0.186515	5.00E-05
0.00289	0.190357	3.46E-05	-0.06004	0.19527	0.101267	0.02866	0.075881	0.10147
0.12767	0.050122	0.27973	-0.02579	0.57822	-0.01539	0.74016	0.003424	0.94117
3.62E-93	0.798908	#####	0.175734	0.00013	0.154732	0.00079	0.359419	1.10E-15
1.73E-10	0.230601	4.70E-07	0.083643	0.07094	0.009779	0.83307	0.150745	0.00108
1.10E-18	0.478878	3.82E-28	0.07487	0.10612	0.103196	0.02574	0.217273	2.14E-06
1.25E-16	0.378091	2.56E-17	0.110287	0.01712	0.009467	0.83833	-0.00354	0.93924
7.75E-10	0.392257	1.26E-18	0.012691	0.78445	0.075551	0.10297	0.209561	4.94E-06
3.83E-28	0.497371	1.49E-30	0.111733	0.01571	0.04972	0.28361	0.178354	0.00011
2.05E-31	0.548484	4.91E-38	0.019226	0.67857	0.085677	0.06432	0.178417	0.00011
8.68E-38	0.550844	2.06E-38	0.198731	1.52E-05	0.187258	4.66E-05	0.279895	7.47E-10
0.00459	0.17436	0.00015	0.069851	0.13174	0.051859	0.26338	0.222895	1.14E-06
1.26E-08	0.401478	1.63E-19	0.058789	0.20475	0.028289	0.54198	0.098827	0.03275
0.0146	0.200503	1.27E-05	0.093927	0.04248	0.076035	0.10077	0.283948	4.14E-10
0.60753	0.146149	0.00154	0.055601	0.23043	0.031831	0.49259	0.101845	0.02776
7.70E-08	0.340905	3.58E-14	0.018903	0.68369	0.05771	0.2132	0.164729	0.00035
9.34E-35	0.573486	3.45E-42	0.086674	0.06127	0.154914	0.00078	0.220099	1.57E-06
5.64E-05	0.150511	0.0011	-0.01105	0.81183	0.062146	0.18002	0.048707	0.29355
6.83E-10	0.363523	4.90E-16	0.030497	0.51091	0.125985	0.00641	0.136584	0.0031
8.46E-07	0.341377	3.29E-14	-0.00329	0.9434	0.141161	0.00223	0.006558	0.8876
3.31E-21	0.562932	2.16E-40	0.070946	0.12578	0.057381	0.21582	0.128987	0.00524
3.93E-22	0.488757	2.06E-29	0.135181	0.00342	0.081503	0.07849	0.160903	0.00048
5.13E-25	0.486136	4.51E-29	0.059744	0.19748	0.086506	0.06178	0.285617	3.23E-10
5.57E-38	0.641473	1.69E-55	0.165625	0.00033	0.096353	0.03739	0.21984	1.61E-06
4.23E-19	0.49902	8.92E-31	0.075174	0.1047	0.085435	0.06508	0.249903	4.42E-08
6.55E-42	0.662561	2.41E-60	0.07229	0.11875	0.167335	0.00028	0.065297	0.1589
2.45E-54	0.738062	1.76E-81	0.019563	0.67327	0.084518	0.06803	0.258607	1.43E-08
1.74E-27	0.571696	7.03E-42	0.091693	0.04766	0.120263	0.00928	0.24187	1.21E-07
0.02851	0.01284	0.78198	0.076289	0.09964	0.022191	0.63242	-0.06141	0.18527
0.01174	-0.18449	6.06E-05	-0.03084	0.5061	0.009554	0.83686	-0.22984	5.14E-07
5.01E-11	0.383147	8.88E-18	0.160162	0.00051	0.141402	0.00219	0.286941	2.66E-10

1.20E-33	0.544181	2.35E-37	0.072847	0.11592	0.120459	0.00917	0.107659	0.01996
1.20E-28	0.575691	1.43E-42	0.18976	3.67E-05	0.144338	0.00176	0.288198	2.20E-10
7.10E-26	0.457662	1.49E-25	0.091237	0.04878	0.054289	0.24163	0.28902	1.95E-10
5.16E-08	0.319023	1.65E-12	0.089725	0.05266	0.139305	0.00255	0.125315	0.0067
6.27E-12	0.34898	8.05E-15	0.166248	0.00031	0.217922	1.99E-06	0.215181	2.70E-06
6.52E-12	-0.39313	1.04E-18	-0.10368	0.02505	-0.05271	0.2556	-0.14683	0.00146
0.00206	0.197335	1.74E-05	-0.03097	0.5043	0.089064	0.05443	0.257205	1.72E-08
1.03E-32	0.666367	2.92E-61	0.013493	0.7712	0.095599	0.03891	0.075582	0.10283
1.64E-11	0.332885	1.51E-13	0.051185	0.26965	-0.00644	0.88956	0.087361	0.05924
0.17374	-0.019	0.68215	-0.05828	0.2087	0.076243	0.09984	-0.00814	0.86072
3.03E-07	0.295768	6.99E-11	0.171545	0.0002	0.023612	0.61078	0.123508	0.00754
0.02118	0.156533	0.00069	0.043911	0.34373	0.047412	0.30658	0.037418	0.41982
0.3775	0.112559	0.01495	0.070516	0.12809	0.058597	0.20623	0.056695	0.22137
1.03E-10	0.356028	2.11E-15	0.080937	0.0806	0.098376	0.03355	0.044951	0.3324
1.08E-23	-0.5961	2.89E-46	-0.12176	0.00844	-0.12097	0.00887	-0.22415	9.91E-07
0.5076	0.171324	0.0002	0.01809	0.69661	0.046538	0.3156	0.172579	0.00018
1.33E-13	-0.30807	1.00E-11	-0.10507	0.02317	-0.10186	0.02774	-0.24749	6.01E-08
0.06152	-0.00141	0.97576	0.092343	0.0461	0.03302	0.47656	-0.06654	0.1511
7.09E-09	0.372788	7.63E-17	0.109144	0.01831	0.095304	0.03952	0.26955	3.23E-09
7.64E-28	0.53829	1.94E-36	0.082378	0.07533	0.094417	0.04141	0.253112	2.93E-08
8.95E-40	0.658947	1.74E-59	0.185986	5.26E-05	0.09314	0.04425	0.154506	0.00081
5.91E-10	0.383545	8.17E-18	-0.02642	0.56898	-0.00867	0.85183	0.207131	6.39E-06
0.46049	0.039212	0.39787	0.043732	0.34569	0.10684	0.02093	-0.02209	0.63397
9.62E-26	0.469643	5.39E-27	-0.05125	0.26907	-0.00525	0.90992	0.20654	6.79E-06
6.30E-14	0.393014	1.06E-18	0.128282	0.0055	0.070039	0.1307	0.139145	0.00258
5.43E-18	0.428232	3.00E-22	0.067201	0.14707	0.132463	0.00414	0.316638	2.46E-12
1.60E-09	0.222265	1.23E-06	0.016977	0.71442	0.011171	0.80973	0.231653	4.16E-07
1.34E-32	0.573177	3.90E-42	0.154277	0.00082	0.110403	0.017	0.248083	5.58E-08
7.39E-49	0.755868	1.43E-87	0.105057	0.02318	0.142515	0.00202	0.158522	0.00059
8.91E-47	0.736895	4.24E-81	0.155887	0.00072	0.158768	0.00057	0.331919	1.79E-13
0.0001	0.211085	4.20E-06	0.069822	0.1319	-0.02016	0.66384	0.143502	0.00188
1.56E-27	0.524695	2.15E-34	0.015613	0.73648	0.136863	0.00304	0.241662	1.24E-07
0.00697	0.209423	5.01E-06	0.035368	0.44577	0.073772	0.11135	-0.00172	0.97042
2.53E-06	0.353502	3.42E-15	-0.02601	0.575	0.117022	0.01138	0.110259	0.01714
3.38E-09	0.308568	9.27E-12	-0.02306	0.61914	0.001639	0.97182	0.153552	0.00087
5.58E-09	0.235958	2.49E-07	-0.03161	0.49566	0.058823	0.20449	0.142923	0.00196
1.06E-22	0.466484	1.31E-26	0.052381	0.2586	0.081197	0.07962	0.287053	2.61E-10
0.00683	0.236359	2.37E-07	0.154199	0.00083	0.135594	0.00333	0.083531	0.07132
0.94384	0.074851	0.10621	0.004949	0.91506	0.043744	0.34557	-0.02649	0.56795
1.23E-19	0.533134	1.18E-35	0.008843	0.84885	0.149507	0.00119	0.136964	0.00302
1.49E-16	0.420825	1.81E-21	0.015145	0.74411	0.062375	0.17842	0.199802	1.36E-05
1.19E-09	0.36591	3.05E-16	0.067346	0.14619	0.06926	0.13504	0.209024	5.23E-06
1.06E-20	0.420449	1.99E-21	0.040144	0.38674	0.123131	0.00772	0.288248	2.19E-10
0.07917	0.113981	0.01372	-0.00526	0.90982	0.033597	0.46888	0.090627	0.05032
1.85E-19	0.480861	2.14E-28	0.190283	3.49E-05	0.164263	0.00036	0.386198	4.64E-18



0.03323	0.103587	0.02518	0.066452	0.15164	0.06803	0.14213	-0.08649	0.06181
2.89E-26	0.423171	1.03E-21	-0.00542	0.90702	0.072523	0.11756	0.049461	0.28613
6.51E-07	0.325041	5.94E-13	0.048087	0.29974	0.069869	0.13164	0.03508	0.44947
2.42E-23	0.473813	1.65E-27	0.120563	0.00911	0.09638	0.03734	0.020655	0.65617
1.05E-43	0.678464	2.87E-64	0.114472	0.01331	0.138155	0.00277	0.276243	1.26E-09
0.00425	0.24314	1.04E-07	0.006985	0.88034	0.125715	0.00652	0.225407	8.59E-07
1.57E-23	0.375422	4.45E-17	0.053561	0.24801	0.078694	0.08938	0.226964	7.18E-07
0.07993	-0.06869	0.13829	0.073468	0.11284	-0.03665	0.42938	-0.25241	3.21E-08
0.00426	0.140222	0.00239	0.020654	0.65619	-0.00398	0.93163	0.093515	0.04339
0.52232	-0.03244	0.48429	0.046665	0.31428	-0.08122	0.07953	0.030951	0.50462
9.77E-15	0.357409	1.62E-15	0.071977	0.12036	0.046903	0.31181	0.123947	0.00733
1.16E-12	0.46289	3.55E-26	0.108891	0.01858	0.127048	0.00597	0.165312	0.00033
0.03975	0.065072	0.16034	-0.03602	0.43746	0.011148	0.81013	0.057738	0.21298
0.00497	0.19648	1.90E-05	0.084674	0.06752	0.00993	0.83053	0.019133	0.68004
5.31E-08	0.301034	3.08E-11	0.12202	0.0083	0.088089	0.05714	0.152472	0.00095
1.21E-37	0.455965	2.35E-25	0.048688	0.29374	0.082407	0.07523	0.294302	8.75E-11
0.01285	0.154132	0.00083	0.100125	0.03051	0.037171	0.42291	0.068277	0.14069
1.72E-06	0.169687	0.00023	0.104672	0.02369	-0.00667	0.88565	0.146926	0.00145
8.10E-14	-0.30205	2.62E-11	-0.07729	0.09525	-0.02214	0.63321	-0.20276	1.01E-05
0.00086	0.188563	4.12E-05	0.067231	0.14689	0.068572	0.13897	0.022042	0.63471
2.76E-29	0.479097	3.59E-28	0.081806	0.07738	0.08855	0.05585	0.206783	6.62E-06
0.00022	0.17141	0.0002	0.003524	0.93946	0.021182	0.64798	0.046826	0.31261
2.07E-11	0.27541	1.42E-09	-0.00326	0.94404	-0.01927	0.67786	0.028072	0.54509
0.01615	0.175591	0.00014	-0.03123	0.50078	-0.03646	0.43179	0.072935	0.11548
0.00364	0.223757	1.04E-06	0.123873	0.00736	0.091659	0.04775	0.202998	9.82E-06
5.84E-32	0.575628	1.46E-42	0.120371	0.00922	0.098652	0.03306	0.152296	0.00096
0.15468	0.08867	0.05552	0.033487	0.47034	0.040472	0.38287	0.128465	0.00543
0.01216	-0.13365	0.00381	-0.0572	0.21726	-0.05476	0.23761	-0.10146	0.02836
0.53927	-0.025	0.59001	-0.08564	0.06444	-0.0815	0.07851	0.031821	0.49271
8.14E-05	-0.17735	0.00012	-0.05397	0.24443	0.092632	0.04542	-0.24458	8.67E-08
0.0031	0.220319	1.53E-06	0.094907	0.04036	0.100111	0.03054	0.056212	0.22534
0.00163	0.20586	7.30E-06	0.039373	0.39593	0.071282	0.12399	0.186388	5.06E-05
8.21E-31	0.510669	2.22E-32	0.048906	0.29158	0.110363	0.01704	0.3176	2.10E-12
5.05E-08	0.110548	0.01685	0.029509	0.52469	-0.00774	0.8675	0.167516	0.00028
1.65E-15	-0.35691	1.78E-15	0.014224	0.75916	-0.05457	0.23918	-0.1568	0.00067
0.00604	0.116172	0.012	-0.00036	0.99384	0.062531	0.17734	0.218594	1.85E-06
7.65E-39	0.662949	1.94E-60	0.199155	1.45E-05	0.069374	0.1344	0.152048	0.00098
0.63948	0.070571	0.12779	0.020414	0.65993	0.066905	0.14886	0.067435	0.14566
0.27718	0.036099	0.43641	0.043721	0.34582	0.03084	0.50616	0.02485	0.59219
3.01E-32	0.558092	1.37E-39	-0.03217	0.48799	0.090495	0.05066	0.135452	0.00336
0.01436	0.196967	1.81E-05	0.119886	0.00951	0.064808	0.16204	0.145039	0.00167
4.83E-23	0.476138	8.45E-28	0.182354	7.39E-05	0.105395	0.02274	0.296733	6.02E-11
7.76E-34	0.665862	3.87E-61	0.140889	0.00228	0.17496	0.00014	0.454383	3.60E-25
2.04E-28	0.59669	2.24E-46	0.039066	0.39963	0.098983	0.03247	0.164283	0.00036
0.57557	0.194147	2.39E-05	-0.00717	0.87724	0.041236	0.37394	-0.00876	0.85033

1.34E-34	0.482762	1.23E-28	0.151101	0.00106	0.115153	0.01277	0.196958	1.81E-05
0.00115	0.24776	5.81E-08	0.067651	0.14437	0.017805	0.70115	0.153804	0.00085
0.00047	0.048864	0.29199	0.012782	0.78295	-0.01033	0.82381	0.028456	0.5396
0.21318	0.062044	0.18074	0.064654	0.16305	0.012942	0.78029	0.083826	0.07032
0.00093	0.139833	0.00246	-0.01998	0.66671	0.02518	0.58728	0.053797	0.24593
0.03016	-0.04555	0.32596	-0.07529	0.10419	0.009921	0.83069	-0.06364	0.16977
1.80E-18	0.458122	1.31E-25	0.097656	0.03488	0.090218	0.05137	0.233295	3.42E-07
0.81885	-0.08198	0.07676	-0.07462	0.10731	-0.00504	0.91345	-0.08134	0.07908
0.77403	-0.03057	0.50989	0.029756	0.52123	0.019051	0.68134	-0.0996	0.0314
0.57776	0.129256	0.00515	-0.01864	0.6878	-0.02151	0.6429	0.073606	0.11217
2.31E-26	0.523142	3.63E-34	0.138962	0.00262	0.112155	0.01531	0.053976	0.24436
1.45E-48	0.729852	7.73E-79	0.122869	0.00786	0.154965	0.00078	0.21859	1.85E-06
4.04E-10	0.275999	1.31E-09	-0.00945	0.8386	-0.02564	0.58051	0.090704	0.05012
4.01E-15	0.422656	1.17E-21	-0.03254	0.48301	0.147369	0.00141	0.034981	0.45076
1.93E-16	0.470384	4.37E-27	0.077877	0.09277	0.12238	0.00811	0.261881	9.21E-09
0.44987	0.07492	0.10589	0.150102	0.00114	0.017465	0.70659	0.067301	0.14646
8.28E-12	0.403746	9.76E-20	0.024632	0.59545	0.04807	0.29991	0.154421	0.00081
4.53E-06	0.156035	0.00072	-0.02187	0.63731	-0.02738	0.55508	0.103853	0.02481
0.05307	0.090382	0.05095	0.040814	0.37885	0.060394	0.19264	0.04524	0.3293
0.00324	0.15257	0.00094	0.072685	0.11674	-0.01312	0.77733	0.080287	0.08307
1.23E-23	0.400385	2.08E-19	0.084448	0.06826	-0.05502	0.23538	-0.033	0.47682
6.07E-13	0.379156	2.05E-17	0.103479	0.02534	0.089999	0.05194	0.030094	0.51651
3.10E-22	0.476439	7.75E-28	0.035914	0.43876	0.09952	0.03154	0.092068	0.04676
1.47E-30	0.511641	1.62E-32	0.04986	0.28226	0.022344	0.63007	0.230394	4.82E-07
6.11E-06	0.307123	1.17E-11	0.04293	0.35462	0.036911	0.42615	0.074668	0.10707
5.60E-09	0.355722	2.24E-15	0.118088	0.01065	0.08235	0.07543	0.114682	0.01314
0.05342	0.08169	0.07781	-0.03953	0.39408	0.027925	0.54719	-0.02175	0.63921
6.93E-32	0.306358	1.32E-11	0.079006	0.08811	-0.03872	0.40387	0.038518	0.40628
0.0005	0.137455	0.00291	0.02293	0.62113	-0.03505	0.44987	-0.08436	0.06853
0.00049	0.174115	0.00016	0.070208	0.12977	0.073424	0.11306	0.164451	0.00036
3.73E-44	0.61527	5.54E-50	0.124054	0.00727	0.026815	0.56324	0.125435	0.00665
4.38E-05	0.086634	0.06139	0.099031	0.03239	-0.01058	0.81969	0.163739	0.00038
0.78115	0.027253	0.55689	0.064796	0.16212	0.028754	0.53536	-0.05092	0.27216
2.89E-08	0.198637	1.53E-05	-0.00738	0.87362	0.000969	0.98334	0.020064	0.6654
7.83E-18	0.512255	1.33E-32	0.063461	0.17097	0.087312	0.05938	0.207825	5.94E-06
4.04E-05	0.171633	0.00019	0.093337	0.0438	0.018267	0.69379	0.05035	0.27755
3.31E-08	0.322905	8.56E-13	0.031977	0.4906	0.04639	0.31714	0.099362	0.03181
0.12265	0.096559	0.03698	-0.07118	0.12453	0.086537	0.06168	0.049433	0.2864
1.19E-27	0.557964	1.44E-39	0.110736	0.01667	0.101805	0.02782	0.246611	6.72E-08
2.86E-54	0.704172	3.65E-71	0.133403	0.00388	0.194356	2.35E-05	0.299073	4.19E-11
1.86E-07	0.286971	2.65E-10	0.041734	0.3682	-0.05546	0.23165	-0.11399	0.01371
6.19E-10	0.287358	2.50E-10	0.01657	0.72098	0.078559	0.08993	0.225555	8.44E-07
5.14E-50	0.725539	1.73E-77	0.177616	0.00011	0.143494	0.00188	0.281959	5.53E-10
1.87E-32	0.479091	3.59E-28	0.19646	1.90E-05	0.079586	0.0858	0.347955	9.75E-15
1.67E-16	0.500897	4.97E-31	0.087367	0.05922	0.100059	0.03062	0.283956	4.13E-10

2.43E-30	0.605991	3.75E-48	0.145534	0.00161	0.152829	0.00092	0.113317	0.01428
9.87E-09	0.295261	7.55E-11	0.038199	0.41018	0.026647	0.5657	0.091318	0.04858
4.96E-14	-0.32503	5.95E-13	-0.1943	2.36E-05	-0.0686	0.13881	-0.29217	1.21E-10
4.85E-06	-0.30624	1.35E-11	-0.03366	0.4681	-0.0995	0.03156	-0.03419	0.46112
3.83E-34	0.586704	1.56E-44	0.144579	0.00173	0.197578	1.70E-05	0.296499	6.24E-11
3.35E-34	0.573139	3.96E-42	0.162399	0.00043	0.081622	0.07805	0.510332	2.48E-32
2.74E-33	0.64986	2.22E-57	0.249638	4.58E-08	0.134474	0.0036	0.194539	2.30E-05
1.07E-06	-0.26687	4.68E-09	-0.08812	0.05706	-0.15747	0.00064	-0.07789	0.09273
9.73E-08	0.23961	1.60E-07	0.00444	0.92376	0.008901	0.84787	0.150014	0.00115
2.05E-11	0.305019	1.64E-11	0.073779	0.11132	-0.0208	0.65399	0.193896	2.45E-05
0.54923	0.050505	0.27607	0.046926	0.31157	0.031107	0.50249	-0.05053	0.27584
0.00845	0.131156	0.00453	-0.02594	0.57612	-0.02933	0.52727	-0.04661	0.31487
0.00012	0.274757	1.56E-09	0.000778	0.98662	0.15049	0.00111	0.034935	0.45136
0.00498	0.248462	5.31E-08	0.088847	0.05503	0.119563	0.00971	0.19895	1.48E-05
0.09225	0.015056	0.74555	0.071409	0.12332	0.053535	0.24824	0.158809	0.00057
0.65074	-0.07227	0.11883	-0.01806	0.69708	-0.02578	0.57847	0.028478	0.53929
0.00107	0.190582	3.39E-05	0.086029	0.06323	0.069074	0.1361	0.189282	3.84E-05
0.0058	0.130521	0.00473	0.044656	0.33559	0.005021	0.91383	-0.00834	0.85733
2.79E-47	0.651949	7.39E-58	0.050507	0.27605	0.078834	0.08881	0.22037	1.52E-06
4.87E-24	0.581171	1.54E-43	0.126316	0.00627	0.11469	0.01314	0.155562	0.00074
3.32E-29	0.589211	5.46E-45	0.157382	0.00064	0.111612	0.01582	0.125153	0.00677
2.83E-08	0.316882	2.37E-12	-0.05351	0.24849	0.173098	0.00017	0.039791	0.39094
3.67E-22	0.456533	2.02E-25	0.052518	0.25736	0.056231	0.22518	0.204785	8.16E-06
6.04E-17	0.425701	5.57E-22	0.103321	0.02556	0.050905	0.27228	0.063742	0.16907
4.78E-12	0.391874	1.37E-18	0.130224	0.00482	0.09471	0.04078	0.168085	0.00026
4.20E-17	0.502836	2.70E-31	0.032084	0.48915	0.106766	0.02102	0.196711	1.86E-05
0.57919	0.078284	0.09107	0.063617	0.16991	0.049969	0.28121	0.070015	0.13083
0.00012	0.243501	9.91E-08	0.030517	0.51063	0.099538	0.03151	0.077171	0.09577
1.25E-12	0.338951	5.11E-14	-0.061	0.18821	0.043146	0.3522	0.170446	0.00022
0.98509	0.126039	0.00639	0.025455	0.58321	0.105996	0.02197	0.155442	0.00075
0.00204	0.192563	2.80E-05	0.017088	0.71265	0.056016	0.22696	-0.08972	0.05268
0.00219	0.121172	0.00876	0.048997	0.29068	0.040872	0.37818	-0.00068	0.98834
6.28E-10	0.27496	1.51E-09	0.121491	0.00859	0.077112	0.09603	0.119791	0.00957
3.65E-05	0.22197	1.27E-06	0.016453	0.72288	0.020965	0.65135	0.0519	0.263
2.27E-12	0.310701	6.56E-12	-0.0047	0.91925	-0.04475	0.33454	0.040129	0.38692
8.60E-05	0.268679	3.65E-09	0.095077	0.04	-0.00779	0.86675	0.061523	0.18444
2.71E-05	0.145128	0.00166	-0.08846	0.05609	-0.0355	0.44407	0.020222	0.66293
7.29E-14	0.424111	8.21E-22	0.02203	0.63489	0.11534	0.01263	0.120029	0.00942
6.75E-19	0.45033	1.06E-24	0.064243	0.16574	0.099303	0.03191	0.18463	5.98E-05
3.32E-25	0.44924	1.42E-24	0.055061	0.235	0.060211	0.19399	0.051666	0.26517
3.18E-11	0.301281	2.96E-11	0.046749	0.31341	0.058886	0.204	0.291872	1.27E-10
4.91E-10	0.291261	1.39E-10	0.04368	0.34627	0.0553	0.23296	0.141853	0.00212
6.52E-23	0.29918	4.12E-11	-0.01257	0.78649	-0.0284	0.54036	-0.04002	0.38818
3.31E-36	0.611619	2.96E-49	0.113687	0.01396	0.081677	0.07785	0.2991	4.17E-11
9.80E-06	0.257732	1.60E-08	0.016702	0.71885	0.084942	0.06665	0.09114	0.04903

0.32965	-0.01526	0.74216	0.009046	0.84542	-0.0166	0.72054	0.124833	0.00691
4.52E-66	0.786915	1.49E-99	0.073105	0.11464	0.131652	0.00437	0.281109	6.26E-10
7.72E-06	0.097818	0.03458	-0.06268	0.17631	-0.00727	0.87544	0.163949	0.00037
0.2371	0.016906	0.71556	0.042083	0.3642	0.088097	0.05712	-0.06888	0.13723
1.63E-22	0.572238	5.67E-42	0.116985	0.01141	0.16862	0.00025	0.271024	2.63E-09
0.009	0.227891	6.45E-07	0.030717	0.50786	-0.07125	0.12414	0.194766	2.25E-05
4.11E-51	0.786267	2.78E-99	0.140665	0.00231	0.131615	0.00439	0.155811	0.00073
2.47E-15	0.341214	3.38E-14	0.03471	0.45428	0.044567	0.33655	0.081799	0.07741
2.16E-11	0.315949	2.76E-12	0.274909	1.53E-09	0.142482	0.00202	0.162103	0.00044
1.72E-08	-0.23419	3.08E-07	0.036488	0.43148	-0.14026	0.00238	-0.22133	1.36E-06
1.06E-12	0.297126	5.67E-11	0.130313	0.00479	0.075367	0.10381	0.016328	0.72489
1.42E-23	0.552399	1.16E-38	0.137387	0.00293	0.137181	0.00297	0.279623	7.77E-10
5.48E-19	0.409052	2.90E-20	0.079898	0.08458	0.133323	0.0039	0.121901	0.00836
0.00323	-0.18861	4.10E-05	0.023164	0.61757	0.016636	0.71992	-0.1493	0.00121
0.06865	0.176734	0.00012	0.018301	0.69325	0.074971	0.10565	0.169465	0.00023
1.19E-32	0.591257	2.30E-45	0.154305	0.00082	0.154471	0.00081	0.326984	4.25E-13
3.73E-56	0.736314	6.55E-81	0.126949	0.00601	0.148649	0.00127	0.299194	4.11E-11
5.27E-15	0.334905	1.06E-13	0.074633	0.10723	0.145034	0.00168	0.283293	4.55E-10
0.00506	0.142657	0.002	0.004568	0.92157	0.054122	0.24309	-0.0059	0.89874
0.01542	-0.08089	0.08077	0.083385	0.07182	0.037399	0.42006	-0.19339	2.58E-05
3.54E-10	0.352612	4.05E-15	0.097247	0.03565	0.102794	0.02633	0.269339	3.33E-09
7.64E-16	0.382735	9.69E-18	0.021217	0.64743	0.06589	0.15514	0.28059	6.75E-10
1.71E-37	0.655377	1.19E-58	0.069635	0.13294	0.165244	0.00034	0.255821	2.06E-08
1.78E-36	0.500734	5.23E-31	0.018071	0.6969	0.102843	0.02626	0.058616	0.20609
1.02E-14	0.492605	6.42E-30	0.070685	0.12718	0.126466	0.00621	0.275925	1.32E-09
0.31003	-0.03941	0.39551	0.168255	0.00026	-0.04694	0.31142	-0.16504	0.00034
1.04E-11	0.251958	3.40E-08	0.04523	0.32941	0.046644	0.31449	0.283359	4.51E-10
1.18E-12	0.399064	2.80E-19	0.012613	0.78574	0.126189	0.00632	0.108063	0.0195
1.91E-15	0.261185	1.01E-08	0.087511	0.0588	0.000621	0.98931	0.250481	4.11E-08
1.30E-10	-0.29375	9.51E-11	-0.00495	0.91496	-0.03395	0.46423	-0.14018	0.0024
0.27985	0.109723	0.01769	0.009381	0.83977	0.01156	0.80324	0.104479	0.02395
2.92E-08	0.278873	8.65E-10	0.024508	0.59731	0.005244	0.91001	0.213254	3.32E-06
0.27057	0.221128	1.40E-06	0.033595	0.46891	-0.00031	0.99462	0.025099	0.58849
0.35779	0.172564	0.00018	0.039887	0.3898	0.045036	0.33149	0.023424	0.61362
5.44E-09	0.406399	5.34E-20	0.189878	3.63E-05	0.135504	0.00335	0.018173	0.69528
0.55568	0.044659	0.33555	0.055964	0.2274	0.09725	0.03565	0.090937	0.04953
3.53E-13	0.474603	1.31E-27	-0.04718	0.30892	0.086295	0.06242	0.051448	0.26719
6.01E-09	0.314856	3.31E-12	0.305832	1.44E-11	0.136276	0.00317	0.220168	1.55E-06
1.02E-38	0.57059	1.09E-41	0.061236	0.1865	0.012529	0.78714	0.208869	5.32E-06
2.80E-57	0.765895	3.09E-91	0.118896	0.01012	0.166955	0.00029	0.300344	3.43E-11
0.00012	0.282462	5.14E-10	0.116359	0.01186	0.1003	0.03022	0.15212	0.00097
4.92E-12	0.473415	1.85E-27	0.022074	0.63421	0.037097	0.42383	0.032754	0.48012
1.15E-11	0.223462	1.07E-06	-0.01246	0.7882	-0.01072	0.81727	0.209217	5.12E-06
0.48743	0.013971	0.76332	0.010375	0.82307	-0.01679	0.71736	-0.03801	0.41251
0.05331	0.125102	0.00679	0.018767	0.68584	0.027384	0.55499	-0.00556	0.90462

3.57E-13	0.284429	3.85E-10	-0.0112	0.80931	0.087275	0.05949	0.119846	0.00953
0.04177	0.03088	0.50561	0.012654	0.78506	-0.04914	0.28924	0.062089	0.18043
4.55E-07	-0.26981	3.12E-09	-0.11325	0.01434	-0.07838	0.09068	-0.22039	1.52E-06
0.21313	0.214858	2.79E-06	0.059399	0.20008	0.125804	0.00649	-0.02274	0.62398
7.63E-13	0.416326	5.30E-21	0.068185	0.14122	0.092386	0.046	0.272243	2.22E-09
0.29357	0.135866	0.00326	0.092779	0.04508	0.072812	0.1161	0.211107	4.19E-06
3.60E-19	0.491994	7.74E-30	0.152038	0.00098	0.098712	0.03295	0.214255	2.98E-06
1.60E-49	0.683956	1.11E-65	0.101648	0.02806	0.160799	0.00049	0.175738	0.00013
4.50E-08	-0.34421	1.96E-14	-0.06912	0.13583	-0.12944	0.00509	-0.2971	5.69E-11
8.12E-18	0.478273	4.56E-28	0.162912	0.00041	0.126588	0.00616	0.136509	0.00312
0.93381	0.072177	0.11933	0.023293	0.61561	-0.00972	0.83407	-0.12744	0.00582
4.81E-24	0.561858	3.26E-40	0.081414	0.07882	0.077673	0.09363	0.399023	2.82E-19
1.32E-10	0.241921	1.20E-07	0.032665	0.48132	0.064599	0.16341	0.07308	0.11476
1.23E-27	0.497208	1.56E-30	0.075946	0.10118	0.088082	0.05716	0.109439	0.01799
1.49E-06	0.350835	5.68E-15	0.132274	0.00419	0.037538	0.41834	-0.02039	0.66032
0.2954	0.134347	0.00363	0.02549	0.58269	0.01652	0.72179	0.14824	0.00132
3.29E-51	0.696289	5.69E-69	0.091382	0.04842	0.155776	0.00073	0.284032	4.09E-10
0.008	0.185126	5.70E-05	0.192866	2.71E-05	0.073877	0.11084	0.189401	3.80E-05
0.75161	0.075887	0.10144	0.096345	0.03741	-0.00237	0.9592	0.063887	0.1681
1.40E-10	0.437224	3.17E-23	0.210193	4.62E-06	0.119536	0.00972	0.085723	0.06418
0.00221	0.197083	1.79E-05	0.000108	0.99814	0.076826	0.09727	0.171547	0.0002
2.05E-28	0.58036	2.15E-43	0.026441	0.5687	0.120829	0.00896	0.118082	0.01065
1.16E-39	0.61653	3.09E-50	0.047391	0.3068	0.190598	3.39E-05	0.179582	9.53E-05
3.99E-42	0.606684	2.75E-48	0.058572	0.20643	0.045374	0.32787	0.205836	7.31E-06
0.02086	0.066353	0.15225	0.090536	0.05055	0.081102	0.07998	-0.00929	0.84127
3.17E-72	0.658333	2.43E-59	0.228157	6.25E-07	0.098339	0.03362	0.354954	2.59E-15
4.14E-08	0.327959	3.59E-13	0.13923	0.00257	0.049218	0.2885	0.072772	0.1163
0.91605	0.012519	0.7873	-0.08942	0.05347	0.001194	0.97947	-0.07158	0.12244
0.01547	0.180671	8.63E-05	-0.00578	0.90089	0.060582	0.19125	-0.03075	0.50735
1.03E-26	0.46311	3.34E-26	0.017406	0.70754	0.022149	0.63307	0.216962	2.22E-06
1.02E-14	0.492243	7.17E-30	0.100207	0.03038	0.107357	0.02031	0.15297	0.00091
1.57E-09	0.340966	3.54E-14	-0.15121	0.00105	0.05872	0.20528	0.064093	0.16673
0.06902	0.020958	0.65146	0.097566	0.03505	0.020224	0.6629	0.004385	0.9247
0.56072	0.008256	0.85878	0.005315	0.9088	-0.00279	0.95206	0.056451	0.22337
6.79E-06	0.32665	4.50E-13	0.006687	0.8854	0.048236	0.29825	-0.1209	0.00892
2.45E-17	0.508403	4.61E-32	-0.00184	0.96845	0.120765	0.00899	0.194377	2.34E-05
3.70E-32	0.474436	1.38E-27	0.074384	0.10841	0.052438	0.25808	0.284814	3.64E-10
3.60E-09	0.285184	3.45E-10	0.016266	0.72589	-0.01476	0.75036	0.072741	0.11646
0.02635	0.219764	1.63E-06	0.093187	0.04414	0.009427	0.839	0.115398	0.01258
1.14E-13	0.447637	2.16E-24	0.080033	0.08405	0.140434	0.00235	0.321476	1.09E-12
0.92064	-0.00795	0.86398	0.054435	0.24037	0.029326	0.52728	0.001033	0.98224
1.79E-22	0.521047	7.33E-34	0.128854	0.00529	0.06415	0.16636	0.176056	0.00013
7.48E-05	0.070879	0.12613	-0.01622	0.72662	-0.00349	0.94001	0.117377	0.01113
7.43E-24	0.461361	5.41E-26	0.119856	0.00953	0.140748	0.0023	0.142118	0.00208
2.14E-09	0.227888	6.45E-07	0.126734	0.0061	0.100764	0.02946	0.099078	0.0323

0.73359	0.011879	0.79794	0.027415	0.55454	0.011335	0.80699	0.169847	0.00023
0.08979	0.036636	0.42962	-0.08436	0.06855	0.050075	0.28018	0.019863	0.66855
0.00116	0.139913	0.00244	0.097531	0.03511	-0.02768	0.55071	0.003998	0.93133
1.29E-06	-0.15334	0.00089	-0.00248	0.9574	-0.04184	0.36699	-0.23414	3.09E-07
0.00117	-0.11169	0.01575	0.113024	0.01454	0.003135	0.94614	0.016011	0.73003
0.71592	0.044439	0.33794	0.082736	0.07406	0.076047	0.10072	0.162464	0.00042
8.31E-55	0.803549	#####	0.177634	0.00011	0.190165	3.53E-05	0.184656	5.96E-05
0.9114	0.106556	0.02127	0.087464	0.05893	-0.01731	0.70909	-0.02547	0.583
1.23E-15	0.414454	8.24E-21	0.076139	0.10031	0.098119	0.03402	0.166527	0.0003
1.12E-05	0.250444	4.13E-08	0.175086	0.00014	0.047937	0.30125	0.050131	0.27964
5.52E-14	0.479566	3.13E-28	0.157958	0.00061	0.074864	0.10615	0.127913	0.00564
1.22E-10	0.344953	1.70E-14	0.013316	0.7741	0.086496	0.06181	0.081265	0.07937
3.44E-56	0.696167	6.14E-69	0.102256	0.02713	0.13218	0.00422	0.26024	1.15E-08
7.40E-10	0.397245	4.19E-19	0.133167	0.00394	0.194476	2.32E-05	0.038156	0.4107
1.02E-17	-0.44411	5.42E-24	-0.11597	0.01215	-0.13088	0.00461	-0.33024	2.41E-13
0.01045	0.231049	4.46E-07	0.10239	0.02693	0.122411	0.00809	0.005605	0.90386
3.66E-07	-0.19638	1.92E-05	0.014589	0.75318	-0.02274	0.62407	-0.20369	9.14E-06
9.70E-09	0.269891	3.08E-09	-0.04035	0.38436	0.018599	0.68851	0.03373	0.46713
0.44516	-0.05155	0.26624	0.032079	0.48922	0.023718	0.60917	0.081711	0.07773
7.38E-12	0.314271	3.65E-12	0.126011	0.0064	0.098095	0.03407	0.032938	0.47766
2.89E-09	0.22393	1.02E-06	0.062523	0.17739	0.057373	0.21589	0.133853	0.00376
2.81E-24	0.542826	3.84E-37	0.072241	0.119	0.13622	0.00318	0.297676	5.20E-11
0.00834	0.146722	0.00148	0.062892	0.17484	0.051753	0.26436	0.131386	0.00446
2.69E-62	0.8608	#####	0.161311	0.00047	0.15755	0.00063	0.252328	3.24E-08
0.00113	-0.09129	0.04866	0.033913	0.46471	-0.02722	0.55732	-0.03097	0.5044
2.03E-13	0.347369	1.09E-14	-0.08929	0.05383	0.077893	0.0927	0.063411	0.1713
4.10E-20	0.40926	2.76E-20	0.015422	0.73958	-0.01959	0.6729	0.141494	0.00218
0.27564	-0.13896	0.00262	0.018906	0.68365	-0.13575	0.00329	-0.19709	1.79E-05
4.42E-15	0.461325	5.47E-26	0.085989	0.06336	0.112444	0.01505	0.275446	1.41E-09
2.14E-74	0.83356	#####	0.113887	0.0138	0.167992	0.00027	0.239293	1.66E-07
0.00573	0.248596	5.22E-08	-0.00096	0.9835	0.120411	0.0092	0.153335	0.00089
4.36E-21	0.513075	1.02E-32	0.128232	0.00552	0.109781	0.01763	0.181522	7.98E-05
1.42E-21	0.519993	1.04E-33	0.077829	0.09297	0.108576	0.01893	0.239236	1.67E-07
0.00051	0.255843	2.05E-08	0.066548	0.15104	0.089611	0.05296	0.205278	7.75E-06
0.0538	0.168126	0.00026	0.000518	0.99109	0.019152	0.67975	0.043919	0.34364
1.64E-08	0.346797	1.21E-14	0.084917	0.06673	-0.03777	0.41541	-0.05731	0.2164
9.78E-29	0.608582	1.17E-48	0.058103	0.21009	0.104989	0.02327	0.262769	8.17E-09
1.21E-13	0.578081	5.43E-43	0.120481	0.00916	0.214239	2.99E-06	0.187203	4.69E-05
1.58E-39	0.696292	5.68E-69	0.115571	0.01245	0.139894	0.00245	0.31578	2.84E-12
2.35E-11	0.428739	2.64E-22	0.19429	2.36E-05	0.161874	0.00044	0.118413	0.01043
6.51E-10	0.402889	1.19E-19	0.060989	0.18828	0.05331	0.25024	0.218297	1.91E-06
0.07987	0.136274	0.00317	-0.03665	0.42944	0.037508	0.41871	0.046738	0.31352
8.42E-11	0.292088	1.23E-10	-0.01122	0.80899	-0.01721	0.71061	0.113425	0.01419
0.05452	0.226235	7.81E-07	-0.00249	0.95719	0.088478	0.05605	-0.0067	0.88525
3.54E-06	0.214102	3.03E-06	0.037414	0.41987	0.018815	0.68507	0.020442	0.65949

1.36E-15	0.403789	9.67E-20	0.044178	0.34079	0.091196	0.04889	0.184107	6.28E-05
0.00173	0.198091	1.62E-05	-0.02779	0.54918	0.051367	0.26794	-0.10462	0.02375
0.2123	0.014634	0.75245	-0.02758	0.55212	-0.00544	0.90674	0.170773	0.00021
7.54E-07	0.280524	6.82E-10	0.066252	0.15287	0.089101	0.05433	0.257438	1.66E-08
0.47881	0.181726	7.83E-05	-0.10028	0.03026	0.073273	0.1138	-0.09636	0.03737
0.04227	0.100595	0.02974	0.098131	0.034	0.03646	0.43184	0.079287	0.08699
2.60E-13	0.294329	8.71E-11	0.071582	0.12241	0.037889	0.41399	0.192925	2.70E-05
0.65891	-0.03081	0.50652	0.070352	0.12898	0.024594	0.59602	-0.08801	0.05738
7.96E-11	0.459048	1.02E-25	0.187011	4.77E-05	0.061697	0.1832	0.051748	0.26441
0.00105	0.177378	0.00012	0.085656	0.06439	0.05935	0.20045	0.049818	0.28266
0.69501	0.005054	0.91326	-0.02473	0.59405	-0.06288	0.17492	0.110979	0.01643
0.00334	0.143474	0.00188	0.022737	0.62406	0.060109	0.19475	0.184585	6.00E-05
3.57E-09	0.270998	2.64E-09	0.21921	1.73E-06	0.097592	0.035	0.096671	0.03676
2.37E-32	0.633491	9.21E-54	0.063263	0.17231	0.10963	0.01779	0.132058	0.00425
0.03722	0.214463	2.92E-06	0.007847	0.8657	0.094484	0.04126	0.030039	0.51727
3.07E-26	0.540323	9.40E-37	0.122487	0.00805	0.053309	0.25024	-0.01084	0.81524
1.56E-27	0.571236	8.44E-42	0.05077	0.27355	0.073899	0.11074	0.105708	0.02233
6.91E-15	0.244873	8.35E-08	-0.01241	0.78913	0.011524	0.80384	0.070394	0.12876
5.73E-18	0.206884	6.55E-06	-0.0144	0.75625	0.007626	0.86945	0.08607	0.0631
4.02E-54	0.643487	6.05E-56	0.125823	0.00648	0.040392	0.38381	0.223583	1.06E-06
0.11472	-0.02696	0.56111	0.05781	0.2124	0.010015	0.8291	-0.15946	0.00054
0.67458	-0.08283	0.07375	-0.06172	0.18306	-0.02145	0.64376	-0.18603	5.24E-05
5.34E-46	0.696178	6.10E-69	0.14513	0.00166	0.157002	0.00066	0.221743	1.30E-06
7.32E-23	0.58515	2.99E-44	0.132396	0.00416	0.150515	0.0011	0.080647	0.08169
0.33209	0.156908	0.00067	0.196203	1.95E-05	0.069243	0.13514	0.211005	4.23E-06
9.20E-21	0.544669	1.97E-37	0.080248	0.08322	0.092497	0.04574	0.184912	5.82E-05
5.39E-18	0.391322	1.54E-18	0.060029	0.19534	0.052529	0.25725	0.158603	0.00058
1.41E-13	-0.39357	9.42E-19	-0.16164	0.00045	-0.1015	0.02829	-0.34623	1.34E-14
3.78E-14	0.444944	4.36E-24	0.020783	0.65417	0.113904	0.01378	0.209104	5.19E-06
0.89547	-0.00506	0.91322	-0.0091	0.84444	-0.06614	0.15358	0.032597	0.48223
3.41E-13	0.392397	1.22E-18	0.090044	0.05182	0.037047	0.42446	0.056845	0.22015
7.37E-25	0.6229	1.55E-51	0.075975	0.10104	0.130244	0.00482	0.227084	7.08E-07
7.64E-32	0.613487	1.26E-49	0.13042	0.00476	0.131594	0.00439	0.330898	2.15E-13
0.08509	0.144353	0.00176	0.14685	0.00146	0.056859	0.22004	0.107352	0.02032
2.17E-08	0.480707	2.24E-28	0.00061	0.98951	0.178564	0.0001	0.034226	0.46059
9.78E-11	0.235521	2.62E-07	0.1338	0.00377	0.130567	0.00471	0.205179	7.83E-06
2.53E-10	0.271171	2.58E-09	0.064538	0.1638	-0.00503	0.91374	0.122414	0.00809
1.22E-17	0.354528	2.81E-15	-0.03395	0.46424	0.06249	0.17762	0.124768	0.00694
1.85E-11	0.363988	4.47E-16	0.034923	0.45151	0.010416	0.82238	0.048746	0.29317
0.00023	0.312361	5.00E-12	0.150104	0.00114	0.079558	0.08591	0.144457	0.00175
6.46E-07	0.24827	5.45E-08	0.093484	0.04346	0.040759	0.3795	0.044398	0.33839
3.86E-31	0.495678	2.51E-30	0.096398	0.0373	0.059613	0.19846	0.067768	0.14368
1.43E-09	0.414509	8.14E-21	0.127545	0.00578	0.18546	5.53E-05	0.147659	0.00137
4.22E-36	0.705721	1.33E-71	0.021262	0.64673	0.188883	3.99E-05	0.317067	2.29E-12
6.12E-15	-0.47132	3.36E-27	-0.04973	0.2835	-0.1873	4.65E-05	-0.20479	8.16E-06

0.00017	0.237473	2.07E-07	0.127763	0.00569	0.071664	0.12198	-0.08253	0.0748
0.00011	0.143369	0.0019	-0.0236	0.611	0.034363	0.4588	-0.01903	0.68166
1.91E-14	-0.31112	6.12E-12	-0.06807	0.14191	-0.15199	0.00098	-0.25866	1.42E-08
6.47E-29	0.606938	2.46E-48	0.126402	0.00623	0.242736	1.09E-07	0.276013	1.30E-09
2.24E-32	0.623438	1.20E-51	0.138949	0.00262	0.215742	2.54E-06	0.442585	8.04E-24
2.76E-31	0.542344	4.56E-37	0.167188	0.00028	0.032903	0.47812	0.187483	4.56E-05
0.22032	0.145786	0.00158	-0.07838	0.09066	0.045171	0.33004	0.014588	0.75321
3.84E-14	0.508409	4.60E-32	0.144634	0.00173	0.230614	4.70E-07	0.273788	1.79E-09
4.10E-11	0.42891	2.54E-22	0.138092	0.00278	0.13071	0.00467	0.183908	6.39E-05
9.87E-23	0.539874	1.10E-36	0.115072	0.01283	0.06848	0.1395	0.219157	1.74E-06
0.00649	0.286975	2.64E-10	-0.08371	0.0707	0.081097	0.08	-0.0256	0.58104
2.99E-36	0.633127	1.10E-53	0.182065	7.59E-05	0.18578	5.36E-05	0.437952	2.63E-23
1.53E-08	0.391183	1.59E-18	0.147573	0.00138	0.114144	0.01358	0.267082	4.54E-09
0.06196	-0.10127	0.02866	0.020618	0.65675	-0.03917	0.39841	-0.15577	0.00073
2.11E-14	0.430221	1.83E-22	0.016672	0.71934	0.135111	0.00344	0.06462	0.16327
5.64E-09	0.318431	1.83E-12	-0.00395	0.93211	-0.06079	0.18976	0.162928	0.00041
2.33E-35	0.556091	2.92E-39	0.117721	0.0109	0.119166	0.00995	0.255084	2.27E-08
4.28E-12	0.316769	2.41E-12	0.041019	0.37647	0.056117	0.22613	0.212187	3.73E-06
8.62E-10	0.346921	1.18E-14	0.198861	1.50E-05	0.125522	0.00661	0.253413	2.82E-08
6.23E-10	0.444964	4.34E-24	0.26709	4.54E-09	0.121285	0.0087	0.120342	0.00924
5.52E-06	0.238429	1.85E-07	0.003167	0.94557	0.031304	0.49977	0.022227	0.63187
3.57E-14	-0.38936	2.35E-18	-0.07797	0.09238	-0.06728	0.14659	-0.16028	0.00051
1.02E-10	0.340544	3.82E-14	0.051975	0.26231	0.084045	0.06959	0.183426	6.69E-05
0.00432	-0.08689	0.06062	0.046738	0.31352	-0.00958	0.83641	0.055857	0.22829
0.00048	0.241109	1.33E-07	0.058682	0.20557	0.008695	0.85135	0.081989	0.07672
0.99326	0.004534	0.92216	0.062661	0.17643	-0.00234	0.95976	0.109745	0.01767
1.68E-13	0.388254	2.99E-18	-0.0021	0.96396	0.081737	0.07764	0.218065	1.96E-06
0.00015	0.262156	8.87E-09	0.029981	0.51808	0.065314	0.15878	0.062017	0.18093
8.15E-08	0.210288	4.57E-06	0.080681	0.08156	0.02823	0.54283	0.066719	0.15
0.00433	0.17827	0.00011	0.025007	0.58986	-0.03093	0.50496	0.155896	0.00072
3.15E-34	0.531309	2.23E-35	0.094867	0.04044	0.14568	0.0016	0.338845	5.20E-14
9.60E-12	0.412481	1.31E-20	0.050176	0.27922	0.085157	0.06596	0.060492	0.19191
1.78E-14	0.417549	3.97E-21	0.03543	0.44497	0.058789	0.20475	0.042902	0.35494
0.0007	-0.14549	0.00162	-0.04184	0.36704	-0.07525	0.10437	-0.04821	0.29855
1.93E-25	0.553302	8.28E-39	0.032518	0.48329	0.051028	0.27112	0.009499	0.83779
6.11E-05	-0.18642	5.05E-05	0.009143	0.84379	-0.02386	0.60696	0.026112	0.57353
1.44E-06	-0.12489	0.00689	-0.06695	0.1486	0.020979	0.65113	-0.16652	0.0003
2.28E-08	-0.39148	1.49E-18	-0.0877	0.05826	-0.08535	0.06534	-0.02958	0.52368
6.13E-23	0.520967	7.52E-34	0.180123	9.07E-05	0.072895	0.11569	0.249558	4.62E-08
4.78E-44	0.682547	2.57E-65	0.110942	0.01646	0.159255	0.00055	0.28572	3.19E-10
4.73E-46	0.602144	2.07E-47	0.098866	0.03268	0.083174	0.07254	0.107623	0.02
1.36E-29	0.552535	1.10E-38	0.081026	0.08026	0.122523	0.00803	0.053969	0.24442
4.02E-37	0.611441	3.21E-49	0.072483	0.11776	0.15352	0.00087	0.119831	0.00954
1.24E-30	0.595348	4.00E-46	0.102349	0.02699	0.059641	0.19825	0.064577	0.16355
2.95E-33	0.574448	2.35E-42	0.095349	0.03943	0.072664	0.11685	0.235328	2.69E-07



0.00019	0.248692	5.16E-08	0.015192	0.74333	0.043646	0.34664	-0.04195	0.36576
0.00184	0.128638	0.00537	-0.02972	0.5218	-0.01154	0.80362	0.151761	0.001
5.34E-34	0.495889	2.35E-30	0.147912	0.00135	0.0592	0.2016	0.110782	0.01662
5.48E-25	0.437635	2.86E-23	0.140029	0.00242	0.082462	0.07503	0.245907	7.34E-08
0.27204	0.100724	0.02953	0.115706	0.01234	0.008082	0.86171	0.012177	0.79298
5.25E-11	0.439509	1.77E-23	0.202088	1.08E-05	0.147163	0.00143	0.103745	0.02496
4.53E-13	0.364411	4.11E-16	0.244611	8.63E-08	0.071412	0.1233	0.101279	0.02864
0.91772	0.067659	0.14432	0.105827	0.02218	0.052338	0.25899	0.166496	0.0003
4.25E-11	0.349558	7.22E-15	0.156465	0.00069	0.159844	0.00053	0.217496	2.09E-06
4.14E-46	0.588279	8.08E-45	0.10082	0.02937	0.104312	0.02418	0.223811	1.03E-06
1.48E-15	0.477361	5.94E-28	0.10543	0.02269	0.093175	0.04417	0.235196	2.73E-07
8.46E-26	0.504047	1.85E-31	0.085338	0.06539	0.188464	4.16E-05	0.228664	5.90E-07
0.00749	0.197857	1.66E-05	0.089471	0.05334	0.079939	0.08441	0.135077	0.00345
6.30E-23	0.562879	2.20E-40	0.093053	0.04444	0.085494	0.0649	0.242279	1.15E-07
0.40291	0.101981	0.02755	0.008233	0.85916	0.010511	0.82078	0.111254	0.01616
5.30E-25	0.584971	3.22E-44	0.047474	0.30595	0.117266	0.01121	0.206342	6.94E-06
0.00822	0.147072	0.00144	-0.05896	0.20341	0.007377	0.87367	0.079529	0.08603
8.02E-10	0.244305	8.96E-08	-0.02631	0.57056	0.033627	0.46848	0.122214	0.0082
1.50E-12	0.354045	3.09E-15	-0.01667	0.71933	0.025701	0.57958	0.202235	1.06E-05
3.64E-21	0.449977	1.16E-24	-0.0434	0.34932	0.052008	0.26201	0.180067	9.12E-05
1.69E-23	0.519151	1.38E-33	-0.00574	0.9015	0.098734	0.03291	0.088856	0.055
2.23E-44	0.665222	5.52E-61	0.147753	0.00136	0.211835	3.87E-06	0.296807	5.95E-11
2.43E-21	0.538503	1.80E-36	-0.01182	0.7989	0.109324	0.01811	0.173133	0.00017
0.00068	0.191564	3.08E-05	0.003472	0.94035	0.041526	0.37059	0.173406	0.00017
2.16E-08	0.276952	1.14E-09	0.066329	0.1524	0.055526	0.23105	0.046583	0.31513
3.56E-07	0.317364	2.18E-12	0.098155	0.03396	0.079792	0.08499	0.045012	0.33175
0.67407	0.070155	0.13006	-0.00321	0.94478	0.037287	0.42145	0.009242	0.84211
1.44E-21	0.403287	1.08E-19	0.051703	0.26482	0.01221	0.79243	0.14527	0.00165
1.34E-07	-0.27021	2.95E-09	0.070443	0.12848	-0.04864	0.29425	-0.07484	0.10626
1.45E-18	0.476207	8.29E-28	0.013602	0.76939	0.011799	0.79927	0.145157	0.00166
1.00E-51	0.741757	1.06E-82	0.049662	0.28418	0.132526	0.00412	0.155749	0.00073
1.38E-13	0.461168	5.71E-26	0.124128	0.00724	0.115844	0.01224	0.087507	0.05881
3.01E-16	0.496168	2.16E-30	0.105073	0.02316	0.103203	0.02573	0.094068	0.04216
1.21E-20	0.537696	2.39E-36	0.076774	0.0975	0.12576	0.0065	0.326027	5.01E-13
0.25197	0.016075	0.72899	0.015268	0.7421	0.034979	0.45078	-0.05857	0.20641
3.55E-18	0.494701	3.39E-30	0.118616	0.0103	0.084637	0.06764	0.100485	0.02992
5.12E-21	0.475741	9.48E-28	0.050822	0.27306	0.138592	0.00269	0.388291	2.97E-18
0.02926	0.201104	1.19E-05	0.076522	0.09861	0.095345	0.03944	0.088836	0.05506
0.00218	0.212668	3.54E-06	0.028668	0.53658	0.010459	0.82166	-0.07675	0.09762
2.14E-08	-0.25269	3.09E-08	-0.12781	0.00567	-0.00479	0.91772	-0.05616	0.22576
0.16836	0.095671	0.03877	-0.02925	0.52838	-0.04193	0.36595	0.224977	9.02E-07
0.83677	0.081419	0.0788	0.06532	0.15874	0.083835	0.07029	0.154342	0.00082
2.26E-59	0.741465	1.32E-82	0.112522	0.01498	0.142461	0.00203	0.117804	0.01084
3.00E-07	-0.37522	4.64E-17	-0.01011	0.82745	-0.11645	0.01179	-0.08409	0.06944
8.12E-45	0.632989	1.18E-53	0.112156	0.01531	0.041922	0.36604	0.216159	2.42E-06

3.90E-11	0.373724	6.30E-17	0.069676	0.13271	0.193408	2.57E-05	0.207849	5.92E-06
0.00716	0.22089	1.43E-06	0.129528	0.00506	0.005729	0.90174	0.182323	7.41E-05
8.18E-37	0.598375	1.08E-46	0.174909	0.00015	0.133457	0.00386	0.395753	5.83E-19
2.52E-50	0.611805	2.72E-49	0.123729	0.00743	0.07035	0.129	0.129277	0.00514
1.63E-44	0.678554	2.72E-64	0.081043	0.0802	0.137574	0.00289	0.120481	0.00916
3.78E-40	0.448387	1.77E-24	-0.01701	0.71396	0.098716	0.03294	0.187545	4.54E-05
4.36E-32	0.594848	4.96E-46	0.142025	0.00209	0.059631	0.19833	0.037307	0.42121
7.61E-46	0.710094	7.37E-73	0.105204	0.02298	0.136535	0.00311	0.206864	6.57E-06
2.47E-16	0.371279	1.04E-16	0.085164	0.06594	0.131546	0.00441	0.268063	3.97E-09
5.51E-16	0.459258	9.63E-26	0.112513	0.01499	0.117126	0.01131	0.14371	0.00185
9.13E-52	0.69415	2.18E-68	0.115811	0.01226	0.09674	0.03663	0.171993	0.00019
8.61E-25	0.467597	9.59E-27	-0.00421	0.92763	0.069063	0.13616	-0.01968	0.67136
4.60E-39	0.610008	6.15E-49	0.118671	0.01027	0.109122	0.01833	0.201584	1.13E-05
4.73E-06	0.157649	0.00063	0.116364	0.01185	0.048616	0.29445	0.152903	0.00092
1.75E-06	0.24397	9.35E-08	0.061587	0.18398	0.063688	0.16944	0.190113	3.55E-05
0.003	0.174665	0.00015	0.047265	0.30809	0.118502	0.01038	0.082411	0.07521
0.40591	0.077609	0.0939	-0.00375	0.9355	0.086989	0.06033	0.002234	0.9616
8.67E-47	0.683109	1.84E-65	0.037263	0.42175	0.133472	0.00386	0.03923	0.39765
4.57E-14	0.428	3.17E-22	0.191374	3.14E-05	0.145292	0.00164	0.211054	4.21E-06
4.29E-28	0.509752	2.99E-32	0.178235	0.00011	0.040129	0.38692	0.210844	4.31E-06
1.85E-54	0.725314	2.03E-77	0.028789	0.53486	0.145011	0.00168	0.168136	0.00026
5.73E-08	0.306635	1.27E-11	0.035709	0.44139	0.082275	0.0757	-0.12363	0.00748
4.09E-26	0.603307	1.24E-47	0.047328	0.30745	0.120657	0.00905	0.117198	0.01126
9.13E-15	0.519494	1.23E-33	0.159438	0.00054	0.140544	0.00233	0.253193	2.90E-08
1.93E-24	0.527165	9.27E-35	0.073091	0.11471	0.079033	0.08801	0.17562	0.00014
2.62E-44	0.649948	2.12E-57	0.140589	0.00233	0.092049	0.0468	0.14309	0.00194
2.03E-30	0.481387	1.84E-28	-0.04381	0.34482	0.078452	0.09037	0.204286	8.59E-06
2.32E-22	0.567726	3.36E-41	0.072165	0.11939	0.191167	3.20E-05	0.196669	1.86E-05
1.03E-14	0.453268	4.85E-25	0.117705	0.01091	0.012591	0.78611	0.039543	0.3939
7.76E-51	0.602911	1.48E-47	0.073264	0.11385	0.119399	0.00981	0.160445	0.0005
0.00016	0.202343	1.05E-05	0.088239	0.05672	0.042013	0.36501	0.054154	0.24281
0.00068	0.15836	0.00059	0.049869	0.28217	0.082612	0.0745	0.036052	0.43701
4.29E-06	0.400048	2.25E-19	0.123445	0.00757	0.168594	0.00025	0.166846	0.00029
4.08E-45	0.577562	6.70E-43	0.015739	0.73443	0.111984	0.01547	0.33109	2.07E-13
4.84E-16	0.48345	1.00E-28	0.101347	0.02853	0.063244	0.17243	-0.00773	0.86773
1.50E-08	0.370438	1.23E-16	0.111158	0.01585	0.044614	0.33604	0.129658	0.00501
3.10E-21	0.482635	1.27E-28	0.069144	0.1357	0.093723	0.04293	0.022378	0.62955
8.79E-35	0.628742	9.41E-53	0.102878	0.0262	0.105327	0.02282	0.26627	5.08E-09
2.04E-10	0.383904	7.57E-18	0.149503	0.00119	0.127834	0.00567	0.271081	2.61E-09
0.14969	0.14835	0.0013	-0.04484	0.33361	0.010333	0.82377	-0.11942	0.00979
3.81E-24	0.501927	3.60E-31	0.15606	0.00071	0.155329	0.00076	0.202589	1.02E-05
7.30E-24	0.498667	9.96E-31	0.009911	0.83085	0.026422	0.56898	0.153677	0.00086
2.03E-14	0.465054	1.95E-26	0.057091	0.21816	0.146452	0.00151	0.031761	0.49353
5.10E-08	0.403285	1.08E-19	0.131892	0.0043	0.159619	0.00054	0.151998	0.00098
0.01798	0.174346	0.00015	0.100619	0.0297	0.046611	0.31484	0.144296	0.00177

6.71E-33	0.596571	2.36E-46	0.152228	0.00097	0.108013	0.01956	0.155069	0.00077
2.18E-07	0.212655	3.55E-06	0.094036	0.04224	0.100532	0.02984	0.00202	0.96528
1.03E-55	0.785364	6.60E-99	0.099194	0.0321	0.172008	0.00019	0.292413	1.17E-10
5.81E-06	0.239651	1.59E-07	-0.01796	0.69872	0.008775	0.85	0.170401	0.00022
2.98E-39	0.611299	3.42E-49	0.066995	0.14831	0.10599	0.02198	0.284994	3.55E-10
2.90E-15	0.385078	5.90E-18	0.007546	0.87081	0.022469	0.62815	0.186357	5.08E-05
6.60E-32	0.528122	6.68E-35	0.04857	0.29491	0.104765	0.02356	0.143556	0.00187
8.13E-22	0.54365	2.85E-37	0.15225	0.00096	0.152346	0.00096	0.217782	2.03E-06
1.10E-05	0.355902	2.16E-15	-0.03051	0.51077	0.091705	0.04763	0.011152	0.81005
2.91E-11	0.375608	4.28E-17	0.086838	0.06078	0.075935	0.10123	0.215273	2.67E-06
3.20E-05	0.231919	4.03E-07	-0.03464	0.45524	-0.01576	0.73416	-0.10328	0.02562
2.22E-19	0.45052	1.01E-24	0.102627	0.02657	0.114624	0.01319	0.228039	6.34E-07
2.96E-08	0.318953	1.67E-12	0.114002	0.0137	0.108067	0.0195	0.057688	0.21337
3.10E-14	0.4038	9.65E-20	0.066331	0.15239	0.071883	0.12084	0.124452	0.00709
5.89E-23	0.475822	9.26E-28	0.003304	0.94323	0.096421	0.03726	0.050371	0.27735
6.28E-31	0.48822	2.42E-29	0.132504	0.00413	0.045794	0.3234	0.149172	0.00122
2.26E-11	0.303108	2.22E-11	0.04956	0.28516	0.00748	0.87193	0.153361	0.00088
4.39E-18	0.504091	1.82E-31	0.131685	0.00436	0.094705	0.04078	0.187304	4.64E-05
6.25E-14	-0.40783	3.84E-20	-0.03016	0.51558	-0.09523	0.03968	-0.11666	0.01164
1.10E-49	0.745222	7.21E-84	0.052501	0.25751	0.123192	0.00769	0.092818	0.04499
4.56E-28	0.519502	1.23E-33	0.147882	0.00135	0.092538	0.04564	0.147712	0.00137
1.14E-27	0.62121	3.46E-51	-0.01435	0.75716	0.116657	0.01164	0.041512	0.37075
5.73E-25	0.499576	7.51E-31	-0.00745	0.87235	0.016836	0.71669	0.152201	0.00097
1.59E-31	0.548567	4.77E-38	0.109585	0.01784	0.184038	6.32E-05	0.230138	4.97E-07
5.28E-36	0.59449	5.78E-46	0.126812	0.00607	0.099985	0.03075	0.084853	0.06694
2.63E-38	0.447978	1.97E-24	0.04702	0.31061	0.00667	0.88569	0.109073	0.01838
8.78E-35	0.660442	7.70E-60	0.113917	0.01377	0.179392	9.70E-05	0.075799	0.10184
0.06982	0.040036	0.38802	0.027863	0.54809	0.04193	0.36595	0.081206	0.07959
1.15E-29	0.577407	7.14E-43	0.079641	0.08558	0.188404	4.18E-05	0.318615	1.77E-12
0.00013	0.177058	0.00012	0.043975	0.34302	0.089138	0.05423	0.195144	2.17E-05
2.17E-53	0.693801	2.70E-68	0.129379	0.00511	0.12828	0.0055	0.18253	7.27E-05
2.84E-24	0.547297	7.59E-38	0.048704	0.29358	0.130105	0.00486	0.123947	0.00732
2.49E-16	0.416725	4.82E-21	0.008636	0.85234	0.078353	0.09078	0.029551	0.52411
1.72E-21	0.530823	2.64E-35	-0.0222	0.63225	0.160565	0.0005	0.138034	0.0028
1.31E-12	0.301803	2.73E-11	-0.04774	0.30324	0.088709	0.05541	0.021459	0.6437
6.63E-22	0.490148	1.35E-29	0.03254	0.483	0.096295	0.03751	-0.03902	0.40015
2.35E-42	0.615871	4.19E-50	0.111924	0.01553	0.085553	0.06471	0.0954	0.03932
2.26E-29	0.513292	9.48E-33	0.078858	0.08871	0.08089	0.08077	0.075258	0.10431
1.73E-23	0.622974	1.50E-51	0.082629	0.07444	0.101339	0.02854	0.090069	0.05176
2.07E-41	0.607027	2.36E-48	0.116231	0.01195	0.12377	0.00741	0.361588	7.17E-16
6.99E-05	0.348292	9.15E-15	0.120239	0.0093	0.141102	0.00224	0.065814	0.15561
0.50109	0.002312	0.96026	0.032463	0.48403	-0.03262	0.48186	0.196635	1.87E-05
3.01E-40	0.664607	7.77E-61	0.108366	0.01916	0.106764	0.02102	0.22026	1.54E-06
1.86E-52	0.691827	9.22E-68	0.068446	0.1397	0.145747	0.00159	0.137669	0.00287
1.44E-34	0.542173	4.85E-37	0.098168	0.03393	0.097719	0.03476	0.170073	0.00022

5.10E-37	0.649049	3.40E-57	0.118945	0.01009	0.171428	0.0002	0.20214	1.07E-05
0.07311	0.066597	0.15074	-0.05363	0.24743	0.059022	0.20295	0.012574	0.78638
0.0002	0.167638	0.00027	0.004721	0.91895	0.091288	0.04866	0.078557	0.08994
0.00502	0.214262	2.98E-06	0.160263	0.00051	0.106286	0.02161	0.134213	0.00366
9.93E-34	0.667369	1.66E-61	0.107734	0.01988	0.106592	0.02123	0.226824	7.30E-07
0.00557	0.291119	1.42E-10	0.084626	0.06768	0.107882	0.01971	0.184534	6.03E-05
3.49E-59	0.68776	1.12E-66	0.045958	0.32167	0.101258	0.02867	0.105583	0.02249
7.67E-05	0.187533	4.54E-05	0.032159	0.48814	0.036283	0.43407	0.167265	0.00028
4.94E-46	0.651343	1.02E-57	0.195617	2.07E-05	0.15171	0.00101	0.374537	5.34E-17
2.14E-65	0.755723	1.61E-87	0.05708	0.21825	0.10756	0.02008	0.173292	0.00017
2.29E-33	0.548174	5.51E-38	0.074795	0.10647	0.098477	0.03337	0.109251	0.01819
9.56E-15	0.348011	9.65E-15	-0.04489	0.33302	0.010536	0.82036	0.085231	0.06573
1.55E-07	0.346786	1.21E-14	0.029455	0.52545	0.137932	0.00282	0.176068	0.00013
0.07406	0.199482	1.41E-05	0.095099	0.03995	0.036639	0.42958	-0.05528	0.23311
6.18E-27	0.528461	5.95E-35	0.038164	0.4106	0.075031	0.10537	0.108686	0.0188
9.68E-15	0.305897	1.42E-11	0.023928	0.60601	0.053444	0.24905	-0.01071	0.81752
2.10E-19	0.507476	6.20E-32	0.040329	0.38456	0.096339	0.03742	0.321407	1.10E-12
2.58E-18	0.419103	2.74E-21	0.079538	0.08599	0.14002	0.00242	0.1971	1.79E-05
4.48E-11	0.407702	3.96E-20	0.124313	0.00715	0.114164	0.01357	0.139889	0.00245
3.10E-21	0.462503	3.95E-26	0.046395	0.31709	0.113456	0.01416	0.125819	0.00648
4.61E-08	0.247002	6.39E-08	0.168489	0.00025	0.020993	0.65091	0.171471	0.0002
3.82E-69	0.73644	5.96E-81	0.058855	0.20424	0.113078	0.01449	0.239548	1.61E-07
3.39E-35	0.624831	6.19E-52	0.062315	0.17884	0.106305	0.02158	0.156185	0.00071
1.69E-14	0.368098	1.97E-16	0.022276	0.63112	-0.01851	0.68993	-0.14763	0.00138
4.95E-20	0.499766	7.07E-31	0.078567	0.0899	0.108593	0.01891	0.141985	0.0021
1.33E-11	0.386592	4.27E-18	0.102034	0.02747	0.047667	0.30399	0.104337	0.02414
1.71E-14	0.397573	3.90E-19	-0.04218	0.36305	0.041362	0.37249	0.226316	7.74E-07
6.80E-10	0.490245	1.31E-29	0.018801	0.68531	0.167593	0.00028	0.068389	0.14003
1.80E-06	0.275571	1.39E-09	0.103907	0.02474	0.029694	0.5221	0.165087	0.00034
5.84E-26	0.586777	1.52E-44	0.104496	0.02393	0.188481	4.15E-05	0.375372	4.49E-17
9.46E-10	0.356293	2.01E-15	0.07299	0.11521	0.058285	0.20866	0.112355	0.01513
9.27E-29	0.583264	6.52E-44	0.023636	0.61041	0.128805	0.00531	0.150624	0.00109
5.46E-22	0.529925	3.60E-35	0.175913	0.00013	0.155852	0.00073	0.243531	9.87E-08
1.61E-42	0.595642	3.52E-46	0.051218	0.26934	0.151133	0.00105	0.187762	4.44E-05
4.32E-21	0.485222	5.92E-29	0.075086	0.10511	0.138988	0.00261	0.230435	4.80E-07
2.05E-54	0.664185	9.82E-61	0.122839	0.00787	0.117133	0.0113	0.213895	3.10E-06
6.04E-23	0.514071	7.36E-33	0.028953	0.53254	0.073271	0.11381	0.104	0.02461
3.71E-24	0.536616	3.50E-36	0.086352	0.06224	0.11276	0.01477	0.146796	0.00147
3.86E-26	0.553702	7.14E-39	0.086618	0.06144	0.281527	5.89E-10	0.198719	1.52E-05
5.24E-05	0.313991	3.82E-12	0.117246	0.01122	0.16673	0.0003	0.062349	0.1786
1.27E-17	0.347422	1.08E-14	-0.00416	0.92864	-0.02222	0.63194	0.211683	3.94E-06
3.60E-10	0.252348	3.23E-08	0.039546	0.39386	0.047964	0.30098	0.066215	0.15311
0.0002	0.290286	1.61E-10	0.050655	0.27464	0.100134	0.0305	0.027128	0.55869
0.00026	0.272909	2.02E-09	0.071155	0.12466	0.087458	0.05895	0.061608	0.18383
0.0003	0.21138	4.07E-06	0.044632	0.33585	0.138585	0.00269	-0.01215	0.7934

1.19E-35	0.604358	7.77E-48	0.04042	0.38348	0.119634	0.00966	0.133323	0.0039
4.62E-15	0.419115	2.73E-21	0.080292	0.08305	0.144955	0.00169	0.177397	0.00012
3.15E-21	0.585268	2.84E-44	0.11046	0.01694	0.090378	0.05096	0.085314	0.06546
0.0951	-0.02298	0.62033	0.050095	0.27999	0.04626	0.31851	-0.02272	0.62429
1.60E-25	0.539003	1.50E-36	0.055151	0.23423	0.106865	0.0209	0.091284	0.04867
0.00775	0.051821	0.26373	0.018558	0.68915	-0.02595	0.57589	0.216736	2.27E-06
7.10E-55	0.72329	8.55E-77	0.149774	0.00117	0.15325	0.00089	0.459846	8.20E-26
3.94E-73	0.801566	#####	0.088405	0.05625	0.135047	0.00346	0.219388	1.70E-06
7.90E-23	0.469166	6.17E-27	0.101882	0.0277	0.079174	0.08744	0.343109	2.39E-14
2.97E-09	0.30626	1.34E-11	0.010542	0.82026	0.005039	0.91351	0.086336	0.06229
2.63E-43	0.640172	3.27E-55	0.115701	0.01235	0.155754	0.00073	0.408196	3.53E-20
1.65E-21	0.408415	3.36E-20	-0.01886	0.68431	0.050397	0.2771	0.069153	0.13565
6.04E-26	0.5045	1.60E-31	0.096111	0.03787	0.097045	0.03604	0.160035	0.00052
5.13E-13	-0.37519	4.67E-17	-0.20354	9.29E-06	-0.08259	0.07459	-0.07579	0.1019
0.19046	0.20591	7.26E-06	0.073366	0.11335	0.128834	0.0053	0.217488	2.09E-06
2.42E-32	0.519269	1.33E-33	0.032949	0.4775	0.079637	0.0856	0.116749	0.01157
5.86E-14	0.441546	1.05E-23	0.099932	0.03084	0.157222	0.00065	0.15134	0.00104
5.52E-30	0.56243	2.62E-40	0.13656	0.00311	0.131229	0.0045	0.28567	3.21E-10
7.91E-18	0.515234	5.03E-33	0.044275	0.33973	0.120373	0.00922	-0.05756	0.21438
2.58E-12	0.419185	2.69E-21	0.035924	0.43864	0.131106	0.00454	-0.07297	0.11531
3.03E-16	0.445248	4.03E-24	0.050855	0.27275	0.112051	0.01541	0.229494	5.35E-07
4.90E-23	0.524109	2.62E-34	0.068231	0.14095	0.115051	0.01285	0.099532	0.03152
5.67E-24	0.56807	2.94E-41	0.099025	0.0324	0.158161	0.0006	0.080164	0.08354
7.56E-45	0.727266	5.02E-78	0.076534	0.09855	0.169458	0.00023	0.241092	1.33E-07
1.20E-33	0.626829	2.37E-52	-0.02021	0.66305	0.124763	0.00694	0.144252	0.00178
0.00012	0.212391	3.65E-06	0.061406	0.18528	-0.01601	0.73002	-0.07209	0.11979
8.93E-36	0.511852	1.52E-32	-0.01918	0.67931	-0.00126	0.97842	0.152504	0.00095
7.29E-27	0.542212	4.78E-37	0.084008	0.06971	0.100658	0.02963	0.159539	0.00054
2.87E-05	0.251972	3.39E-08	0.079708	0.08532	0.085904	0.06362	0.058346	0.20819
1.07E-38	0.664255	9.45E-61	0.086855	0.06073	0.120023	0.00943	0.305748	1.46E-11
4.89E-39	0.578822	4.02E-43	0.071951	0.12049	0.107002	0.02073	0.239427	1.64E-07
7.25E-24	0.529567	4.07E-35	0.021249	0.64694	0.075822	0.10174	0.078096	0.09185
4.51E-15	0.453605	4.43E-25	0.060429	0.19238	0.110636	0.01677	0.302999	2.26E-11
6.88E-05	0.129046	0.00522	-0.01853	0.68957	0.040842	0.37854	0.029417	0.52599
8.08E-25	0.534469	7.43E-36	0.049844	0.28241	0.112182	0.01529	0.219216	1.73E-06
1.11E-08	0.425106	6.44E-22	0.063542	0.17042	0.150285	0.00112	0.015233	0.74267
0.00014	0.201626	1.13E-05	0.052112	0.26106	0.012445	0.78852	0.028544	0.53834
7.41E-26	0.448338	1.79E-24	0.039259	0.3973	0.07434	0.10862	0.027237	0.55712
1.58E-41	0.624678	6.66E-52	0.098382	0.03354	0.140263	0.00238	0.290123	1.65E-10
2.64E-15	0.466172	1.43E-26	0.162582	0.00042	0.178292	0.00011	0.285103	3.49E-10
0.00242	0.163562	0.00039	0.041406	0.37198	0.064314	0.16528	0.125775	0.0065
3.29E-13	0.401896	1.48E-19	0.043688	0.34617	0.143441	0.00189	0.098698	0.03298
5.68E-30	0.609405	8.09E-49	0.179237	9.84E-05	0.129666	0.00501	0.200089	1.32E-05
2.31E-60	0.748954	3.81E-85	0.11434	0.01342	0.118605	0.01031	0.216886	2.24E-06
1.44E-07	0.374453	5.43E-17	0.082367	0.07537	0.157513	0.00064	0.078172	0.09153

1.56E-26	0.554769	4.79E-39	0.126693	0.00611	0.131831	0.00432	0.093757	0.04285
2.89E-22	0.542638	4.10E-37	0.111595	0.01584	0.155566	0.00074	0.16602	0.00031
4.74E-08	0.289018	1.95E-10	0.076155	0.10024	0.086879	0.06066	0.178359	0.00011
5.58E-15	0.489374	1.71E-29	0.087683	0.0583	0.133976	0.00372	0.206311	6.96E-06
4.25E-40	0.683264	1.68E-65	0.12746	0.00581	0.13812	0.00278	0.228184	6.24E-07
1.39E-24	0.606765	2.65E-48	0.089372	0.0536	0.152029	0.00098	0.269437	3.28E-09
0.00231	0.20039	1.28E-05	0.002178	0.96256	0.137655	0.00287	0.1329	0.00401
5.73E-16	0.38734	3.64E-18	0.113721	0.01393	0.108506	0.019	0.300706	3.24E-11
8.47E-15	0.545353	1.54E-37	0.128042	0.00559	0.145873	0.00157	0.160037	0.00052
8.53E-12	0.38226	1.07E-17	0.149135	0.00123	0.117944	0.01075	0.249129	4.88E-08
7.07E-19	0.372061	8.85E-17	0.07225	0.11895	0.073169	0.11432	0.203261	9.55E-06
3.05E-25	0.495436	2.70E-30	0.116934	0.01144	0.170922	0.00021	0.096363	0.03737
2.52E-17	0.477092	6.42E-28	0.110012	0.0174	0.163576	0.00039	0.267774	4.13E-09
8.27E-10	0.418485	3.17E-21	0.058754	0.20502	0.09927	0.03197	0.117526	0.01103
0.00284	0.218188	1.94E-06	0.059858	0.19662	0.149847	0.00116	0.060885	0.18904
1.52E-08	0.234918	2.82E-07	-0.04529	0.32874	0.072977	0.11527	-0.03813	0.41098
4.70E-06	0.265112	5.95E-09	0.02352	0.61217	0.060757	0.18997	0.229554	5.32E-07
2.63E-12	0.451497	7.78E-25	0.039604	0.39317	0.192445	2.83E-05	0.124947	0.00686
3.05E-62	0.755919	1.37E-87	0.117831	0.01082	0.117489	0.01106	0.22804	6.34E-07
8.69E-18	0.481842	1.61E-28	0.12428	0.00717	0.135642	0.00331	0.434384	6.49E-23
2.87E-50	0.708188	2.62E-72	0.111321	0.0161	0.152087	0.00098	0.332341	1.66E-13
8.65E-56	0.700878	3.07E-70	0.126837	0.00606	0.078289	0.09105	0.248056	5.60E-08
2.59E-26	0.534028	8.67E-36	0.102435	0.02686	0.159218	0.00055	0.293012	1.07E-10
8.94E-15	0.413633	9.99E-21	0.072655	0.11689	0.136055	0.00322	0.18023	8.98E-05
5.82E-18	0.577017	8.36E-43	0.128841	0.0053	0.175263	0.00014	0.095182	0.03978
1.18E-21	0.504693	1.50E-31	0.137153	0.00298	0.117429	0.0111	0.207312	6.27E-06
3.66E-31	0.595719	3.41E-46	0.057711	0.21319	0.135667	0.00331	0.275128	1.48E-09
0.00024	0.268076	3.96E-09	0.059043	0.2028	0.17246	0.00018	0.157021	0.00066
1.02E-33	0.558736	1.07E-39	-0.00726	0.87565	0.083863	0.0702	0.190026	3.58E-05
7.75E-30	0.712485	1.48E-73	0.172445	0.00018	0.155427	0.00075	0.275892	1.33E-09
5.58E-18	0.556627	2.38E-39	0.058158	0.20966	0.159407	0.00054	0.16247	0.00042
1.01E-11	0.387105	3.83E-18	0.150941	0.00107	0.160798	0.00049	0.223648	1.05E-06
0.00145	0.220813	1.45E-06	0.043982	0.34294	0.058436	0.20749	-0.02826	0.54244
1.23E-21	0.473719	1.69E-27	0.140041	0.00242	0.09552	0.03908	0.356715	1.85E-15
4.65E-09	0.364374	4.14E-16	0.138429	0.00272	0.071545	0.12261	0.191952	2.97E-05
3.09E-08	0.225161	8.83E-07	0.070077	0.13049	0.039525	0.39411	0.168253	0.00026
1.66E-23	0.508738	4.14E-32	0.076057	0.10068	0.052392	0.2585	0.218209	1.93E-06
0.01389	0.161102	0.00047	0.042823	0.35582	0.047801	0.30264	0.080313	0.08296
2.17E-15	0.457476	1.56E-25	0.030991	0.50408	0.121128	0.00879	0.092041	0.04682
8.08E-15	0.463879	2.70E-26	0.089099	0.05434	0.186786	4.88E-05	0.22202	1.26E-06
2.07E-62	0.741619	1.17E-82	0.10853	0.01898	0.077018	0.09644	0.189785	3.66E-05
2.01E-12	0.390387	1.89E-18	0.021636	0.64096	0.116124	0.01203	0.187709	4.47E-05
2.38E-53	0.710767	4.70E-73	0.083013	0.0731	0.136949	0.00302	0.094982	0.0402
1.01E-23	0.542175	4.85E-37	0.033278	0.47311	0.1019	0.02767	0.10897	0.01849
1.29E-08	0.388733	2.70E-18	0.02718	0.55794	0.09336	0.04375	0.123259	0.00766

0.54655	0.073956	0.11046	0.168602	0.00025	0.202311	1.05E-05	0.131736	0.00435
2.09E-08	-0.40427	8.67E-20	-0.14754	0.00139	-0.16486	0.00035	-0.06579	0.15578
0.00275	0.138214	0.00276	0.028117	0.54444	0.000685	0.98821	0.183669	6.54E-05
0.60046	0.0585	0.20699	0.057368	0.21593	0.054974	0.23574	0.01339	0.77289
1.41E-05	0.071427	0.12322	-0.03983	0.3905	0.039754	0.39138	0.041109	0.37541
0.01852	0.03856	0.40576	0.068538	0.13917	0.105709	0.02233	0.168498	0.00025
3.52E-11	0.354476	2.84E-15	0.052434	0.25812	0.047443	0.30627	0.091932	0.04708
0.98532	0.096343	0.03741	-0.00129	0.9779	0.069488	0.13376	0.105156	0.02305
0.034	0.259583	1.25E-08	0.065237	0.15928	0.13135	0.00447	0.041544	0.37039
0.00017	-0.15021	0.00113	0.039713	0.39186	0.031521	0.4968	-0.0609	0.18891
0.99138	0.109734	0.01768	0.178439	0.00011	0.114565	0.01324	-0.12329	0.00765
0.04736	0.187315	4.64E-05	0.041037	0.37625	-0.00084	0.98548	0.130429	0.00476
0.01281	0.19592	2.01E-05	0.093285	0.04392	0.114578	0.01323	0.1592	0.00055
0.84036	0.060351	0.19296	0.095315	0.0395	0.113407	0.0142	-0.07889	0.08858
0.5546	-0.13841	0.00272	0.080396	0.08265	-0.00652	0.88819	0.045025	0.33161
0.06638	-0.03752	0.41857	0.064643	0.16312	0.09541	0.0393	0.132367	0.00416
0.42528	0.052541	0.25715	0.09476	0.04067	0.002852	0.95099	0.045493	0.3266
1.21E-05	-0.24301	1.05E-07	-0.07244	0.11796	-0.14782	0.00136	-0.02372	0.60919
0.21879	-0.02951	0.52473	0.236135	2.44E-07	0.037206	0.42246	-0.11058	0.01682
0.7425	0.131294	0.00448	-0.01637	0.72423	-0.02944	0.52561	-0.0395	0.39441
0.21381	-0.1604	0.0005	-0.06147	0.18485	-0.06139	0.18536	0.111168	0.01624
0.11689	0.264755	6.24E-09	0.116777	0.01155	0.356014	2.12E-15	0.029744	0.5214
0.07131	0.197016	1.80E-05	0.160367	0.0005	0.078903	0.08853	0.091683	0.04769
0.00058	0.10694	0.02081	0.037374	0.42038	0.045298	0.32868	0.007849	0.86567
4.59E-05	0.176907	0.00012	0.088893	0.0549	0.045776	0.32359	0.018001	0.69803
0.73765	0.034226	0.46059	-0.14339	0.00189	0.002321	0.96011	-0.01652	0.72173
0.46596	0.002039	0.96495	0.050256	0.27845	-0.07259	0.11721	-0.17483	0.00015
6.56E-06	-0.04967	0.28406	0.016307	0.72523	0.055128	0.23442	-0.06295	0.17445
5.63E-06	0.189866	3.63E-05	-0.01189	0.79768	-0.04229	0.36184	0.036333	0.43344
0.30383	0.061852	0.18209	0.122797	0.00789	-0.05467	0.23836	-0.08535	0.06534
0.04509	-0.18954	3.75E-05	-0.00741	0.87318	-0.14859	0.00128	-0.1954	2.11E-05
0.35179	0.037126	0.42346	-0.00088	0.98479	-0.01631	0.72523	0.212344	3.67E-06
0.63993	-0.01285	0.78177	0.052195	0.26029	-0.02703	0.56017	0.023158	0.61766
0.05914	0.126132	0.00635	-0.0213	0.64615	0.034986	0.45069	-0.03906	0.39976
4.71E-07	0.317136	2.27E-12	0.001322	0.97727	0.093617	0.04317	0.031382	0.49871
5.86E-05	0.27792	9.93E-10	0.06995	0.13119	0.212804	3.49E-06	0.065827	0.15553
9.51E-08	0.299613	3.85E-11	0.03414	0.46172	0.036449	0.43197	0.089078	0.0544
5.94E-05	0.139549	0.00251	0.08258	0.07462	0.051247	0.26907	0.17775	0.00011
0.00032	-0.14668	0.00148	0.00097	0.98332	0.059175	0.20179	-0.01144	0.80526
0.13388	0.072284	0.11878	0.057643	0.21373	0.054648	0.23853	0.129871	0.00494
0.10741	0.121759	0.00844	0.208978	5.26E-06	0.042963	0.35425	0.218499	1.87E-06
0.65968	-0.03428	0.4599	-0.0254	0.58405	-0.01456	0.75359	-0.0247	0.59449
0.49009	0.076512	0.09865	-0.01796	0.69868	0.048574	0.29487	-0.02066	0.65609
0.68603	0.034585	0.45591	0.004675	0.91974	-0.00777	0.86693	-0.02976	0.52121
0.01136	0.114765	0.01308	0.03234	0.48569	0.017483	0.7063	0.017423	0.70727

0.1493	0.073747	0.11148	0.077075	0.09619	-0.01129	0.80781	-0.01414	0.76049
0.08532	0.152304	0.00096	0.062839	0.17521	0.110962	0.01644	0.168999	0.00024
0.00121	0.169573	0.00023	0.034693	0.45449	0.048667	0.29395	0.114724	0.01311
0.29797	0.007195	0.87676	0.110378	0.01702	0.040701	0.38018	0.045476	0.32678
0.32654	0.056826	0.22031	0.06562	0.15684	0.114534	0.01326	0.078094	0.09186
0.04597	0.116729	0.01159	0.122989	0.0078	-0.01165	0.80178	0.215066	2.73E-06
0.08475	0.042037	0.36473	0.034435	0.45786	0.007507	0.87147	0.039205	0.39796
0.92877	-0.01963	0.6722	-0.01354	0.77049	-0.01721	0.71061	-0.02841	0.5403
0.65213	-0.04473	0.33483	0.005207	0.91064	0.015074	0.74525	0.004572	0.9215
0.48118	-0.02514	0.58783	0.140462	0.00235	0.036468	0.43174	0.012229	0.79211
0.60967	-0.00393	0.93258	0.015636	0.73611	0.001066	0.98166	0.003181	0.94534
0.00201	0.142011	0.0021	-0.00164	0.97186	-0.01935	0.67658	0.140323	0.00237
0.01211	-0.1164	0.01183	0.011328	0.80711	-0.03557	0.44311	-0.0343	0.45963
0.43765	-0.00566	0.90283	0.059803	0.19703	0.023548	0.61174	-0.04162	0.36951
0.86278	0.020627	0.65661	0.041157	0.37487	-0.03318	0.47439	0.0162	0.72696
0.59778	-0.018	0.69798	-0.00582	0.90012	0.001258	0.97837	0.044841	0.33359
0.05102	0.068444	0.13972	0.01237	0.78976	-0.0272	0.55765	0.006113	0.89518
0.05313	-0.09657	0.03696	0.075353	0.10388	0.07246	0.11788	0.085139	0.06602
0.82067	0.068722	0.13811	0.050147	0.27949	0.066384	0.15206	0.107422	0.02024
0.57226	0.117974	0.01073	0.019025	0.68175	0.17179	0.00019	0.052991	0.25309
0.22627	0.099309	0.0319	-0.02403	0.60446	-0.06035	0.19297	0.028465	0.53947
0.06006	0.053136	0.25179	0.028994	0.53195	0.164102	0.00037	0.054865	0.23667
0.24388	0.10085	0.02932	-0.00474	0.91859	-0.01458	0.75329	0.014086	0.76144
0.08258	0.056079	0.22644	-0.02752	0.55299	0.070542	0.12795	-0.13396	0.00373
0.00239	0.076335	0.09944	0.117023	0.01138	0.019054	0.68129	0.170568	0.00021
0.17583	0.097179	0.03578	0.017752	0.70199	-0.06037	0.1928	0.066114	0.15373
0.98854	-0.00519	0.9109	0.021257	0.64682	0.047959	0.30104	-0.01012	0.82732
4.58E-07	0.288697	2.04E-10	0.06569	0.1564	-0.01869	0.68699	0.051005	0.27134
0.1142	-0.02789	0.54764	0.069831	0.13184	0.088169	0.05692	0.006446	0.8895
0.01467	0.054504	0.23977	0.154001	0.00084	-0.02446	0.59808	-0.0816	0.07814
0.05013	0.060898	0.18894	0.042089	0.36413	-0.04548	0.32669	0.001611	0.9723
0.0301	-0.11812	0.01063	-0.03499	0.45059	-0.02843	0.54	0.025933	0.57615
0.00049	-0.12895	0.00526	-0.02551	0.58241	-0.0434	0.3494	-0.02399	0.60507
0.0853	0.089518	0.05321	0.000781	0.98657	0.049992	0.28098	0.056165	0.22573
0.33817	0.076725	0.09771	-0.02616	0.57287	0.000698	0.988	-0.06998	0.13101
0.23933	-0.00996	0.82995	0.014781	0.75005	0.019119	0.68027	-0.02609	0.57391
0.71314	0.002919	0.94983	0.028511	0.53882	-0.00834	0.85739	0.056254	0.22499
0.84092	0.006148	0.89459	-0.01226	0.79152	-0.02126	0.64678	-0.03084	0.50616
0.33719	0.003803	0.93468	0.001162	0.98002	0.124703	0.00697	-0.02029	0.66189
0.63348	0.020612	0.65684	-0.01277	0.78319	0.006704	0.88511	-0.01858	0.68879
0.48488	0.065129	0.15997	-0.00284	0.95126	-0.00758	0.87026	0.05226	0.25971
0.14082	0.079582	0.08581	0.002618	0.95501	-0.04525	0.32923	0.056213	0.22533
0.03814	0.14836	0.0013	0.085812	0.0639	0.046108	0.32009	0.046569	0.31528
0.06254	0.145987	0.00156	0.037074	0.42412	0.036968	0.42545	0.065765	0.15592
0.11236	0.067988	0.14238	0.389687	2.20E-18	0.097196	0.03575	0.143554	0.00187



0.00954	0.277486	1.06E-09	0.094652	0.0409	0.131342	0.00447	0.106634	0.02118
2.08E-07	0.298361	4.68E-11	0.031224	0.50088	0.05664	0.22182	0.195094	2.18E-05
0.13279	0.016284	0.72561	0.030252	0.51431	0.091416	0.04834	0.069761	0.13224
0.06151	-0.0276	0.5519	-0.06095	0.1886	-0.11331	0.01429	-8.22E-06	0.99986
0.56269	0.035125	0.44889	-0.03376	0.46672	-0.04135	0.37267	0.026192	0.57235
0.02731	-0.00417	0.92842	-0.02995	0.51845	-0.01891	0.6836	0.027714	0.55023
7.93E-05	-0.0872	0.0597	-0.04274	0.35681	-0.08839	0.05629	-0.0141	0.76123
0.01446	0.12628	0.00628	0.062839	0.17521	0.076979	0.09661	0.134538	0.00358
0.58782	-0.02868	0.53641	-0.00809	0.86151	-0.00805	0.86222	-0.03992	0.38939
0.00425	-0.03158	0.49604	0.011317	0.8073	0.056672	0.22156	0.156374	0.0007
0.08294	-0.22718	7.00E-07	-0.04062	0.38111	-0.06986	0.13167	-0.002	0.96557
0.11565	-0.05618	0.22558	0.051069	0.27073	0.099755	0.03114	0.02932	0.52736
2.58E-09	-0.30984	7.55E-12	0.09935	0.03183	-0.05258	0.2568	-0.03088	0.50563
4.03E-07	-0.22415	9.92E-07	-0.07862	0.08969	-0.0234	0.61404	-0.26049	1.11E-08
0.00071	-0.21097	4.25E-06	-0.08941	0.05349	-0.0828	0.07385	-0.1308	0.00464
0.87659	-0.01343	0.77224	-0.00198	0.96605	-0.05343	0.24914	0.09198	0.04697
0.14691	0.005862	0.89946	0.116136	0.01202	0.064521	0.16392	-0.08161	0.0781
0.74391	0.184801	5.88E-05	0.117517	0.01104	0.047276	0.30797	-0.07348	0.1128
0.99743	-0.02215	0.63309	-0.07591	0.10134	-0.03323	0.47377	-0.05056	0.27559
0.21179	0.135398	0.00337	0.10367	0.02507	-0.04249	0.35963	0.153795	0.00085
0.31306	-0.002	0.96569	0.032997	0.47686	-0.05747	0.21507	-0.12063	0.00907
0.65605	-0.0218	0.63843	-0.01399	0.763	-0.06898	0.13664	0.093496	0.04344
0.01162	0.135579	0.00333	0.065161	0.15977	0.006423	0.8899	0.083377	0.07184
0.50891	-0.20575	7.38E-06	-0.15109	0.00106	-0.08483	0.06702	0.034631	0.45531
0.1083	0.018804	0.68526	-0.06593	0.1549	-0.01991	0.66783	0.117443	0.01109
0.0002	0.218717	1.83E-06	0.179287	9.79E-05	-0.06082	0.18953	0.160408	0.0005
0.78044	0.107469	0.02018	0.054205	0.24237	0.023432	0.6135	-0.1158	0.01227
0.64155	0.03614	0.43589	0.014433	0.75573	0.015033	0.74592	-0.05547	0.23152
0.02578	0.196343	1.93E-05	0.131208	0.00451	0.072283	0.11878	0.207597	6.08E-06
0.59743	0.097326	0.0355	-0.10269	0.02648	-0.02291	0.62147	0.041454	0.37142
0.12332	0.069851	0.13174	-0.10593	0.02205	-0.05095	0.27187	0.082745	0.07403
0.00041	0.150795	0.00108	0.298675	4.45E-11	0.100072	0.0306	0.164352	0.00036
0.10919	-0.05701	0.21878	0.102938	0.02612	-0.01757	0.70488	-0.09253	0.04566
1.81E-05	-0.16262	0.00042	0.064322	0.16522	0.054425	0.24046	-0.08841	0.05624
0.23749	-0.03594	0.4384	-0.02121	0.64749	-0.01387	0.76501	0.004772	0.91809
0.06519	-0.09382	0.04271	-0.19863	1.53E-05	-0.01392	0.76415	-0.16511	0.00034
0.00149	0.2249	9.10E-07	0.214158	3.01E-06	0.021365	0.64514	0.077325	0.09511
0.45769	0.089434	0.05344	0.250072	4.33E-08	0.114741	0.0131	0.016169	0.72746
0.11922	0.008672	0.85173	-0.02361	0.61079	-0.05603	0.22682	-0.13761	0.00288
2.07E-06	-0.29905	4.21E-11	-0.10757	0.02006	-0.0371	0.42374	-0.10544	0.02267
0.73347	0.082296	0.07562	0.101976	0.02756	0.158948	0.00057	-0.01584	0.73284
0.12073	0.072452	0.11792	0.08925	0.05393	0.078004	0.09223	0.057846	0.21212
2.16E-07	0.384543	6.61E-18	0.045772	0.32363	0.095099	0.03995	0.111116	0.01629
8.81E-08	0.233321	3.41E-07	0.198932	1.49E-05	0.006329	0.89151	0.127394	0.00584
0.38622	0.068779	0.13778	-0.00241	0.95855	-0.07172	0.12168	0.000773	0.98672

0.04565	-0.00493	0.91538	0.046763	0.31326	0.22961	5.28E-07	-0.04785	0.30214
1.29E-08	0.33081	2.18E-13	0.005776	0.90093	0.066478	0.15147	0.162794	0.00041
0.0008	-0.29902	4.23E-11	-0.06789	0.14296	-0.15388	0.00085	-0.1174	0.01111
2.45E-05	0.451272	8.26E-25	0.026762	0.56402	0.215274	2.67E-06	0.072149	0.11947
7.37E-05	-0.1116	0.01584	-0.00839	0.85645	0.005463	0.90627	-0.09183	0.04733
0.0965	0.010564	0.8199	0.02407	0.60387	0.0052	0.91076	0.069973	0.13106
4.23E-05	0.277496	1.05E-09	-0.01535	0.74069	0.092407	0.04595	0.160089	0.00052
0.22607	0.278081	9.70E-10	0.030714	0.5079	0.189398	3.80E-05	0.071968	0.1204
0.20198	0.080812	0.08106	0.070465	0.12837	0.131113	0.00454	-0.0182	0.69486
0.00315	0.188003	4.34E-05	0.124262	0.00718	0.177244	0.00012	0.160918	0.00048
0.09562	0.070547	0.12792	-0.07679	0.09743	0.052424	0.25821	-0.05803	0.21071
0.00353	0.213882	3.11E-06	-0.03445	0.45766	0.062006	0.18101	0.206489	6.83E-06
0.50677	0.027981	0.5464	0.116133	0.01202	0.01846	0.69071	-0.0948	0.04058
0.55021	-0.0935	0.04342	0.005004	0.91412	-0.13988	0.00245	-0.17251	0.00018
0.65112	0.060046	0.19522	0.096768	0.03657	-0.00554	0.90503	-0.20716	6.37E-06
0.03163	-0.03084	0.50615	0.020407	0.66004	-0.04892	0.29145	-0.07867	0.08949
0.66983	-0.07305	0.1149	0.065553	0.15726	-0.01509	0.74495	0.016347	0.72459
0.92117	0.037682	0.41656	0.063857	0.1683	0.043122	0.35247	-0.1006	0.02973
3.87E-07	0.155145	0.00077	-0.00151	0.97401	-0.03164	0.49522	0.037986	0.4128
0.00434	0.172122	0.00019	0.064132	0.16647	0.057039	0.21858	0.157879	0.00062
0.31769	-0.02129	0.64637	0.046993	0.31089	0.02671	0.56478	-0.01261	0.78579
0.9447	-0.00275	0.95266	-0.01454	0.75405	-0.02279	0.62323	-0.01206	0.79486
0.18898	-0.10339	0.02546	-0.08009	0.08383	-0.01979	0.66975	0.092122	0.04663
0.0004	-0.12767	0.00573	0.055288	0.23307	0.012897	0.78103	-0.00722	0.87642
0.36328	0.074745	0.1067	0.053007	0.25295	0.059447	0.19972	-0.01336	0.77342
0.53858	-0.03952	0.39413	0.076858	0.09713	-0.03911	0.39907	-0.07326	0.11386
0.0027	0.292631	1.13E-10	0.036891	0.4264	0.065432	0.15803	-0.0237	0.60942
0.10719	0.193392	2.58E-05	0.153859	0.00085	0.094781	0.04062	-0.00116	0.98007
0.02706	0.029419	0.52596	0.044577	0.33644	-0.02842	0.54013	-0.02649	0.56791
0.83801	0.028585	0.53777	-0.01834	0.69265	-0.0446	0.33621	-0.05501	0.23547
0.01207	-0.19757	1.70E-05	-0.00359	0.93839	-0.02512	0.58824	-0.00999	0.82956
0.11987	0.151646	0.00101	0.112975	0.01458	0.179102	9.96E-05	0.011276	0.80798
0.79899	0.032128	0.48856	-0.01897	0.68263	-0.00746	0.8723	0.053506	0.2485
8.88E-05	0.172312	0.00018	-0.06724	0.14684	0.044606	0.33613	0.135026	0.00346
0.12843	0.081361	0.07902	0.045569	0.32579	0.069999	0.13092	0.021716	0.63973
0.00223	0.086497	0.0618	0.079298	0.08694	-0.04527	0.32901	-0.0226	0.62609
0.00906	0.033096	0.47555	-0.06855	0.1391	-0.06437	0.1649	0.028232	0.5428
0.14088	0.192075	2.93E-05	0.080944	0.08057	0.028517	0.53874	0.054441	0.24032
0.15607	0.073195	0.11419	-0.02282	0.62283	-0.08075	0.08129	-0.0388	0.4028
0.00171	0.125893	0.00645	0.105918	0.02207	-0.05659	0.22223	-0.04953	0.28544
0.15028	-0.04817	0.29895	0.075903	0.10137	0.010072	0.82814	-0.02838	0.54068
0.08794	0.127311	0.00587	-0.04868	0.29378	0.062777	0.17563	0.049508	0.28568
0.57076	0.134084	0.0037	-0.01215	0.79347	0.054764	0.23753	-0.20296	9.86E-06
0.00015	0.218565	1.86E-06	-0.04589	0.32244	-0.01096	0.81318	-0.05116	0.26988
0.49189	0.107416	0.02025	0.186794	4.87E-05	0.111582	0.01585	0.088437	0.05616

7.57E-07	0.250719	3.99E-08	0.038264	0.40939	-0.05788	0.21186	0.051874	0.26325
0.00896	-0.20461	8.31E-06	0.028875	0.53365	-0.1152	0.01273	-0.03484	0.45256
4.22E-06	0.24263	1.10E-07	0.065062	0.1604	-0.07406	0.10998	0.068868	0.13727
0.02293	0.089191	0.05409	0.062497	0.17757	-0.08165	0.07794	0.111025	0.01638
0.56375	0.047651	0.30415	0.043256	0.35098	-0.02402	0.60456	0.142563	0.00201
0.6653	0.106542	0.02129	0.09575	0.0386	0.085761	0.06406	0.079071	0.08785
0.76266	0.090566	0.05047	0.043568	0.34751	0.06654	0.15109	0.159152	0.00056
0.68458	0.134971	0.00347	0.07573	0.10216	0.080315	0.08296	-0.03143	0.49799
0.00024	0.098321	0.03365	0.050237	0.27863	-0.00451	0.92263	-0.03683	0.42718
0.07244	-0.05379	0.24597	0.011996	0.79598	-0.07246	0.11786	-0.15013	0.00114
0.09898	0.176484	0.00013	0.006982	0.88038	0.051909	0.26293	-0.06222	0.17953
5.89E-05	0.195898	2.01E-05	0.023128	0.61812	-0.00181	0.96895	0.055532	0.23101
7.78E-10	0.413817	9.57E-21	0.122087	0.00826	0.100389	0.03008	0.029942	0.51863
0.16879	0.189152	3.89E-05	0.053043	0.25262	0.090651	0.05026	0.040811	0.37889
0.54187	-0.02737	0.55514	0.03462	0.45545	0.062134	0.18011	-0.19239	2.84E-05
6.12E-05	0.295357	7.44E-11	-0.03647	0.43176	0.105823	0.02219	0.047275	0.30798
0.30243	0.009778	0.83309	-0.02821	0.54311	-0.06616	0.15343	0.055144	0.23429
0.00206	0.067956	0.14256	-0.01676	0.71793	-0.02075	0.65465	0.177394	0.00012
0.03805	0.024411	0.59876	0.002258	0.96118	-0.01518	0.74347	0.037274	0.42161
0.14677	-0.00733	0.8744	0.017608	0.70429	0.013932	0.76396	0.038516	0.4063
0.00102	0.191098	3.23E-05	0.089191	0.05409	-0.0081	0.86142	0.218507	1.87E-06
0.1188	-0.16006	0.00052	0.023857	0.60708	-0.08388	0.07014	-0.12393	0.00733
0.00092	-0.12555	0.00659	0.210934	4.27E-06	0.085522	0.06481	0.022218	0.632
0.35025	0.194842	2.24E-05	0.136617	0.00309	0.041582	0.36995	0.002651	0.95444
0.72117	0.088845	0.05503	0.091024	0.04932	0.089272	0.05387	-0.00972	0.83413
0.19967	-0.02441	0.59871	0.028488	0.53915	0.034318	0.45939	-0.01114	0.81018
0.00404	0.122972	0.0078	0.083007	0.07312	-0.00153	0.97373	0.052775	0.25503
0.03975	0.142141	0.00208	0.072705	0.11664	0.073985	0.11032	0.124607	0.00702
0.12372	-0.0608	0.18969	0.010413	0.82243	0.013194	0.77613	0.089016	0.05457
0.98413	-0.15611	0.00071	-0.00728	0.87525	-0.01481	0.74953	-0.06422	0.1659
0.00845	0.204468	8.43E-06	0.006905	0.8817	0.048474	0.29586	0.017704	0.70277
0.15097	-0.07854	0.09001	0.025015	0.58973	-0.00399	0.9314	0.119045	0.01003
0.85042	-0.01419	0.75979	0.037023	0.42476	0.047014	0.31067	0.046476	0.31625
0.32305	0.087753	0.0581	0.028696	0.53619	0.015081	0.74515	0.022432	0.62873
0.01232	-0.18313	6.87E-05	-0.0907	0.05013	-0.15546	0.00075	-0.2059	7.27E-06
0.24984	0.055231	0.23355	0.022686	0.62484	0.031848	0.49235	0.11415	0.01358
0.00058	0.117726	0.01089	0.019217	0.67872	-0.04417	0.34088	-0.0183	0.69327
0.08049	-0.11407	0.01364	-0.02881	0.53455	-0.0535	0.24858	-0.08307	0.07289
7.84E-08	0.312777	4.67E-12	0.182985	6.97E-05	0.101623	0.0281	0.181626	7.90E-05
5.60E-07	-0.31566	2.90E-12	-0.10668	0.02112	-0.1048	0.02352	-0.13336	0.00389
0.04031	-0.1175	0.01105	0.069604	0.13311	0.018991	0.68229	-0.05603	0.22688
1.62E-05	0.144221	0.00178	-0.11031	0.01709	0.054131	0.24301	-0.09841	0.0335
0.08316	-0.02274	0.62396	0.00535	0.90821	-0.01599	0.73034	0.044322	0.33921
0.05058	0.195537	2.09E-05	0.084235	0.06896	-0.00194	0.96657	-0.00655	0.88768
0.01246	0.310285	7.02E-12	0.096018	0.03806	0.074349	0.10858	0.10953	0.0179

0.03242	0.179228	9.85E-05	0.06913	0.13578	-0.01714	0.71183	-0.04344	0.34891
0.00725	0.208387	5.59E-06	0.12582	0.00648	0.090164	0.05151	0.192452	2.83E-05
0.41641	-0.01592	0.73147	0.132655	0.00408	0.118451	0.01041	0.084546	0.06794
0.22701	0.183594	6.58E-05	0.045595	0.32552	0.124073	0.00727	0.13006	0.00488
0.30498	0.082865	0.07361	0.306086	1.38E-11	0.025553	0.58175	0.002148	0.96307
0.0287	-0.06974	0.13238	0.003973	0.93176	-0.00931	0.84102	-0.01598	0.73048
0.01719	0.151677	0.00101	0.094248	0.04177	0.048414	0.29647	0.2292	5.54E-07
0.09549	-0.01296	0.78003	-0.03925	0.39746	-0.02025	0.66244	0.105405	0.02272
0.89686	0.001103	0.98103	-0.09416	0.04195	-0.00187	0.96785	0.04488	0.33317
0.00077	-0.17119	0.0002	-0.11757	0.011	-0.07719	0.09571	0.028575	0.53791
0.03774	-0.05007	0.28026	-0.03955	0.39382	-0.04706	0.31018	0.052824	0.25459
3.54E-06	0.442572	8.07E-24	0.120302	0.00926	0.287526	2.44E-10	0.15989	0.00052
0.01342	0.275656	1.37E-09	0.062408	0.17819	0.01706	0.71309	0.006885	0.88204
0.00448	0.219501	1.67E-06	0.084384	0.06847	0.103227	0.0257	0.053894	0.24508
0.86815	-0.0122	0.79262	0.005269	0.90959	-0.01468	0.75173	0.000955	0.98358
2.32E-05	0.135155	0.00343	0.014954	0.74722	-0.05925	0.20123	0.078123	0.09174
0.00223	-0.20867	5.43E-06	-0.05187	0.26328	-0.07403	0.1101	0.00284	0.9512
0.44031	0.1611	0.00047	0.159475	0.00054	0.053153	0.25164	-0.02742	0.55443
0.00267	0.157803	0.00062	0.104789	0.02353	0.08905	0.05447	0.097309	0.03553
0.26734	0.038975	0.40073	0.002544	0.95627	0.00692	0.88144	-0.01256	0.78669
0.22022	0.114456	0.01333	0.082477	0.07498	0.03112	0.50231	0.008111	0.86122
0.15783	0.007262	0.87563	0.119161	0.00996	0.076249	0.09982	-0.00313	0.94629
0.00871	-0.20895	5.27E-06	-0.08463	0.06765	-0.03321	0.474	0.018001	0.69803
0.01163	-0.12296	0.00781	0.03572	0.44124	0.07359	0.11225	0.165173	0.00034
0.06964	0.001454	0.975	0.003129	0.94623	-0.01566	0.73574	0.068694	0.13827
0.71736	0.141775	0.00213	0.031655	0.49498	0.049613	0.28465	-0.06033	0.19313
0.03399	0.035283	0.44686	0.022859	0.62221	0.007212	0.87648	0.044021	0.34251
0.00599	0.166017	0.00031	0.029484	0.52504	0.024583	0.59618	0.085321	0.06544
0.00531	0.150412	0.00111	0.017693	0.70294	0.018331	0.69276	0.108163	0.01939
0.04186	0.066837	0.14927	0.028166	0.54374	0.034024	0.46324	0.078644	0.08959
0.41007	0.059103	0.20234	0.039703	0.39199	-0.01153	0.80379	-0.00743	0.87271
0.80753	0.091871	0.04723	0.051619	0.2656	0.042601	0.35832	0.117649	0.01095
3.87E-08	0.281808	5.66E-10	0.013658	0.76847	0.131911	0.0043	0.154255	0.00082
0.54457	0.058757	0.205	0.033173	0.47452	0.020408	0.66002	-0.01973	0.67063
0.26144	-0.17413	0.00016	-0.07771	0.09347	0.024766	0.59345	0.030563	0.50999
0.96585	0.072801	0.11616	0.064014	0.16726	0.054181	0.24258	0.03918	0.39825
0.91751	-0.05311	0.25198	0.067287	0.14655	-0.03401	0.46348	-0.00485	0.91675
0.00195	0.163014	0.0004	0.127774	0.00569	0.036414	0.43242	-0.01766	0.70346
0.02672	0.138932	0.00262	-0.02448	0.59765	0.082347	0.07544	0.033172	0.47453
0.57826	0.048887	0.29177	0.062063	0.18061	0.080198	0.08341	-0.18075	8.56E-05
0.11496	-0.04157	0.3701	-0.11305	0.01452	0.045969	0.32156	-0.11951	0.00974
0.00443	0.197741	1.67E-05	0.248892	5.03E-08	0.200806	1.23E-05	0.183291	6.77E-05
0.16256	0.139422	0.00253	0.033781	0.46646	0.073228	0.11403	0.171141	0.0002
0.63825	0.079549	0.08594	0.086006	0.0633	0.151877	0.00099	0.064962	0.16105
0.19036	0.111411	0.01601	0.035959	0.4382	0.131579	0.0044	0.10867	0.01882

0.01777	0.233686	3.27E-07	0.028104	0.54463	0.3333	1.40E-13	0.130055	0.00488
0.03826	0.244597	8.64E-08	0.086321	0.06234	0.099527	0.03153	0.060695	0.19042
0.00037	0.238693	1.79E-07	0.049446	0.28628	0.011482	0.80455	0.165278	0.00033
0.88212	0.077748	0.09331	0.323704	7.47E-13	0.023149	0.61779	-0.0441	0.34163
4.71E-07	0.399542	2.52E-19	0.203795	9.04E-06	0.174537	0.00015	0.200632	1.25E-05
0.22653	0.1412	0.00222	0.036662	0.42929	-0.01818	0.69518	-0.04694	0.31142
0.29902	-0.19969	1.38E-05	0.015086	0.74507	0.022305	0.63067	-0.01641	0.72353
0.06935	0.275533	1.40E-09	0.267479	4.30E-09	0.108506	0.019	0.045404	0.32754
0.00018	0.215852	2.51E-06	0.09552	0.03907	0.086106	0.06299	0.166477	0.0003
0.66528	0.06089	0.189	0.190172	3.53E-05	0.001112	0.98088	0.077808	0.09306
0.63853	0.068162	0.14136	-0.03751	0.41871	0.009378	0.83982	0.070098	0.13037
0.82738	0.038149	0.41079	0.025149	0.58774	0.071546	0.1226	0.122115	0.00825
0.00409	-0.15044	0.00111	-0.06315	0.17305	-0.06195	0.18143	0.065737	0.1561
0.33416	0.103833	0.02484	0.079739	0.0852	0.051866	0.26332	0.03417	0.46133
0.31596	-0.06361	0.16996	0.033301	0.47281	-0.14143	0.00219	0.052376	0.25864
0.00764	-0.06156	0.18414	-0.0909	0.04962	-0.16279	0.00041	0.029978	0.51813
4.10E-05	-0.29429	8.76E-11	-0.07115	0.1247	-0.0975	0.03518	0.018041	0.69738
0.00421	-0.1984	1.57E-05	0.052303	0.25931	0.000795	0.98633	0.054104	0.24324
1.96E-06	0.192947	2.69E-05	-0.0203	0.66164	-0.07707	0.0962	0.023701	0.60943
0.47331	0.03596	0.43818	0.092491	0.04575	-0.09861	0.03314	0.010116	0.82741
0.1516	0.056819	0.22036	0.113061	0.0145	-0.01185	0.79835	-0.08793	0.0576
0.89808	0.043544	0.34777	0.017445	0.70691	-0.01012	0.8273	0.160216	0.00051
0.37114	0.071582	0.12241	0.02412	0.60312	0.055912	0.22783	0.146112	0.00155
1.46E-05	0.21774	2.04E-06	0.120556	0.00911	0.026244	0.57159	-0.0331	0.47545
0.0007	0.196034	1.99E-05	-0.0233	0.61557	-0.03217	0.48799	-0.08791	0.05766
0.03023	0.081926	0.07695	0.075754	0.10205	-0.03227	0.48658	0.055582	0.23059
0.09788	0.035659	0.44203	-0.01486	0.74877	-0.0159	0.7318	0.06171	0.1831
0.48337	-0.01338	0.77306	0.038147	0.41082	-0.04986	0.28228	-0.03528	0.44695
0.00759	-0.12622	0.00631	-0.04401	0.3426	-0.02996	0.5184	0.014159	0.76024
0.55399	0.102282	0.02709	-0.02521	0.58681	-0.03853	0.40619	-0.01781	0.70114
0.00889	-0.14973	0.00117	-0.02725	0.5569	0.030734	0.50763	0.153784	0.00086
0.00047	-0.2504	4.15E-08	0.005429	0.90685	-0.16595	0.00032	0.024738	0.59387
0.00543	-0.09779	0.03462	0.033514	0.46998	-0.07691	0.0969	-0.04315	0.35216
2.24E-05	-0.07935	0.08675	0.100251	0.0303	0.07811	0.09179	-0.14754	0.00139
6.10E-10	-0.33034	2.37E-13	-0.11037	0.01703	-0.07007	0.13054	-0.03091	0.50522
0.04007	0.292861	1.09E-10	0.16818	0.00026	0.121078	0.00881	0.012885	0.78123
0.38851	-0.06833	0.1404	-0.02809	0.54477	-0.03084	0.50622	-0.07368	0.11178
0.00193	-0.18193	7.68E-05	0.063768	0.1689	-0.04615	0.31961	-0.00417	0.92831
0.22504	0.074312	0.10876	0.08818	0.05689	0.060405	0.19256	0.128969	0.00525
0.29062	-0.06374	0.16908	-0.03619	0.43525	-0.01948	0.67458	0.106997	0.02074
5.79E-07	-0.15901	0.00056	0.002928	0.94969	0.038741	0.40357	-0.11005	0.01736
0.96625	0.017996	0.69809	0.09059	0.05041	0.174756	0.00015	-0.04764	0.30429
0.00262	0.233017	3.54E-07	0.051575	0.26601	0.016467	0.72265	0.011308	0.80744
0.33381	0.004747	0.91851	0.051959	0.26246	0.065671	0.15651	-0.03498	0.45081
0.2644	0.126844	0.00605	0.082424	0.07517	0.15271	0.00093	0.087196	0.05972

0.99012	0.091622	0.04784	0.08342	0.0717	0.132787	0.00405	0.006011	0.89692
0.70669	0.003451	0.94072	0.045545	0.32604	0.066428	0.15179	0.003775	0.93516
0.00038	-0.10631	0.02158	0.064104	0.16666	-0.1083	0.01923	-0.11944	0.00978
0.11618	0.041835	0.36704	-0.12145	0.00861	-0.13828	0.00275	0.029099	0.53047
0.00081	-0.01184	0.79851	-0.01198	0.79624	0.064525	0.16389	0.05355	0.24811
0.0266	0.058277	0.20873	0.046066	0.32054	0.079994	0.0842	0.046721	0.3137
1.35E-09	0.392899	1.09E-18	0.115922	0.01218	0.202891	9.93E-06	0.164038	0.00037
0.1606	-0.06358	0.17015	0.012134	0.79369	-0.03861	0.4051	-0.0192	0.67905
0.15472	-0.06901	0.13647	-0.00094	0.98386	-0.04327	0.35087	-0.03226	0.48684
0.33904	-0.04802	0.30041	-0.00564	0.90319	0.01114	0.81025	0.086747	0.06105
0.62486	0.064217	0.16591	0.104065	0.02452	-0.00324	0.94435	-0.01171	0.80081
0.38933	-0.03854	0.40601	0.00496	0.91487	0.106439	0.02142	0.121332	0.00867
0.01817	-0.05708	0.21822	0.000739	0.9873	-0.04897	0.29095	0.005352	0.90817
0.03233	0.019732	0.67061	-0.0118	0.7993	-0.00932	0.84084	-0.14985	0.00116
0.57729	0.078294	0.09103	0.094919	0.04033	-0.04308	0.35296	-0.21355	3.22E-06
0.03313	0.083976	0.06982	0.065115	0.16006	0.025378	0.58436	-0.07106	0.12519
0.00107	0.06663	0.15054	0.051216	0.26935	-0.07635	0.09938	0.051754	0.26436
1.94E-05	0.20903	5.23E-06	0.030206	0.51494	-0.02886	0.53391	-0.02496	0.59058
0.00126	-0.14374	0.00184	0.023641	0.61033	-0.0372	0.42259	-0.14866	0.00127
0.0034	0.115686	0.01236	0.031993	0.49039	0.043576	0.34741	0.052419	0.25825
4.33E-06	-0.20857	5.49E-06	-0.06875	0.13797	-0.10361	0.02515	-0.23109	4.44E-07
0.87203	0.056521	0.2228	0.000685	0.98822	0.092784	0.04507	-0.00681	0.88324
0.04341	0.177957	0.00011	0.090709	0.05011	0.062477	0.17771	0.010518	0.82067
0.99766	0.049796	0.28288	-0.00862	0.85266	-0.04637	0.31739	0.141809	0.00213
0.41274	-0.03907	0.39961	0.030696	0.50814	0.107077	0.02065	0.018267	0.69378
2.78E-06	-0.17705	0.00012	0.055278	0.23316	-0.11084	0.01656	-0.06192	0.18163
0.18826	0.113941	0.01375	0.024493	0.59753	-0.09585	0.03839	0.090713	0.0501
3.95E-11	0.267918	4.05E-09	0.01848	0.69039	-0.02398	0.60525	0.005818	0.90022
0.49235	0.117564	0.011	0.121521	0.00857	0.099056	0.03234	-0.02169	0.64007
0.00032	0.185512	5.50E-05	0.097097	0.03594	0.081476	0.07859	0.22051	1.50E-06
0.02123	0.235697	2.57E-07	0.101869	0.02772	0.277294	1.09E-09	0.030049	0.51713
0.01546	-0.18107	8.32E-05	-0.02429	0.60062	-0.03803	0.41221	-0.14202	0.00209
0.14272	0.085848	0.06379	-0.00815	0.86064	-0.02882	0.53446	0.126026	0.00639
0.00013	0.273026	1.99E-09	0.006266	0.89257	0.110542	0.01686	0.154078	0.00084
0.61155	0.056992	0.21896	0.02201	0.63519	-0.02819	0.54347	-0.00409	0.92969
0.00155	0.089166	0.05416	0.086811	0.06086	-0.08449	0.06813	-0.05046	0.2765
3.72E-09	-0.35079	5.72E-15	-0.12909	0.00521	-0.03076	0.50723	-0.17479	0.00015
0.08223	0.059845	0.19672	0.042226	0.36257	-0.0608	0.18962	-0.16393	0.00037
0.11547	-0.00171	0.97063	0.064963	0.16104	0.087804	0.05796	-0.01306	0.77831
0.36255	0.082338	0.07547	0.123099	0.00774	0.122226	0.00819	-0.06582	0.15555
0.01171	-0.05332	0.25018	-0.14969	0.00118	-0.02638	0.56961	-0.00528	0.90938
8.70E-10	0.403429	1.05E-19	0.063062	0.17368	0.090935	0.04954	0.068213	0.14106
0.01548	-0.1646	0.00035	-0.00631	0.89191	0.039844	0.3903	0.059299	0.20085
0.125	0.045916	0.32212	0.097311	0.03553	-0.09775	0.03471	-0.06273	0.17598
1.12E-07	-0.25608	1.99E-08	-0.05281	0.25468	-0.11651	0.01175	-0.08678	0.06097

0.5662	-0.07776	0.09324	0.042436	0.36019	-0.01252	0.78735	0.058369	0.20801
0.11749	0.189325	3.83E-05	0.00658	0.88723	0.09116	0.04898	-0.03299	0.4769
0.22827	0.018814	0.68509	-0.04794	0.30118	-0.08524	0.06572	0.083721	0.07068
0.00557	0.116529	0.01173	-0.0602	0.19407	-0.03133	0.49939	0.034598	0.45574
0.02272	0.215511	2.60E-06	0.09012	0.05163	0.167229	0.00028	-0.11419	0.01354
0.00748	0.110517	0.01688	-0.00178	0.96937	-0.0107	0.81763	-0.00607	0.89597
0.49915	-0.03093	0.50498	-0.0622	0.17963	-0.02657	0.56687	-0.06966	0.13277
0.00012	0.297455	5.38E-11	-0.01187	0.798	0.089864	0.0523	-0.08893	0.05481
0.12861	0.117873	0.01079	0.071433	0.12319	0.031186	0.5014	0.078277	0.0911
0.14982	-0.17639	0.00013	-0.06395	0.1677	-0.12036	0.00923	-0.22468	9.33E-07
0.28938	0.083152	0.07262	0.085074	0.06623	0.04191	0.36618	-0.07822	0.09135
0.84342	0.026027	0.57478	0.112679	0.01484	0.112483	0.01502	0.011228	0.80878
0.00191	-0.07827	0.09111	-0.02862	0.53731	-0.03847	0.40686	-0.07504	0.10532
0.00362	0.239735	1.58E-07	-0.01745	0.70681	0.012441	0.78859	-0.03707	0.42416
0.63805	-0.02844	0.53989	0.074251	0.10905	0.032751	0.48016	-0.04428	0.33966
0.00061	-0.19522	2.15E-05	0.082687	0.07424	-0.07122	0.12432	-0.04071	0.38008
0.71207	0.101629	0.02809	0.133647	0.00381	0.103531	0.02526	0.085855	0.06377
0.0141	-0.08874	0.05533	0.241228	1.31E-07	0.026723	0.56458	0.070262	0.12947
0.0035	-0.07105	0.12524	0.112879	0.01466	0.087468	0.05893	-0.03264	0.48167
0.63601	-0.04012	0.38702	-0.01852	0.6897	0.093332	0.04381	-0.09565	0.03881
0.60147	-0.0351	0.44924	-0.06005	0.19518	-0.06176	0.18273	-0.15407	0.00084
2.39E-06	-0.2001	1.32E-05	0.143957	0.00182	-0.03244	0.48439	-0.0688	0.13767
0.03393	-0.17284	0.00017	-0.03177	0.49338	-0.12711	0.00595	0.002316	0.96019
0.00021	-0.21315	3.36E-06	-0.06274	0.17588	-0.12386	0.00737	-0.28016	7.19E-10
0.00971	-0.06006	0.1951	0.035443	0.4448	0.014684	0.75163	0.059349	0.20046
0.62726	-0.03172	0.49413	0.029874	0.51957	-0.05335	0.24992	-0.00699	0.88017
0.38832	0.008118	0.86111	-0.05442	0.24049	0.030759	0.50728	-0.02062	0.65675
0.83181	0.076711	0.09778	0.058045	0.21055	0.069714	0.1325	-0.08923	0.05398
0.78166	0.094659	0.04088	0.056061	0.22658	-0.02564	0.58045	-0.03266	0.48142
0.0001	0.328631	3.19E-13	0.048917	0.29147	0.045347	0.32816	0.041987	0.3653
0.93948	0.055961	0.22742	0.021401	0.64459	-0.0288	0.53467	-0.18046	8.80E-05
0.00789	0.281581	5.85E-10	0.090383	0.05094	0.241448	1.28E-07	0.01885	0.68452
0.04957	-0.08808	0.05716	0.124657	0.00699	-0.03718	0.42279	0.000575	0.99011
0.17175	-0.04246	0.35991	0.074433	0.10818	0.053202	0.2512	0.031123	0.50227
1.95E-05	0.201099	1.19E-05	0.041945	0.36578	-0.03596	0.43814	0.017954	0.69877
0.14318	-0.0429	0.35496	-0.0743	0.10883	-0.11119	0.01622	-0.09402	0.04227
0.00049	0.131849	0.00432	0.056014	0.22698	-0.01923	0.67855	0.063086	0.17351
0.4612	0.0895	0.05326	0.127538	0.00578	0.020985	0.65104	0.073242	0.11396
0.02811	0.022407	0.62911	-0.01645	0.7229	-0.0176	0.70443	0.233684	3.27E-07
0.03701	-0.08671	0.06117	-0.01986	0.66864	-0.07413	0.10962	0.061862	0.18203
0.15067	0.064815	0.162	0.026435	0.56879	0.009289	0.84133	0.003519	0.93954
0.00151	0.193224	2.62E-05	0.324147	6.93E-13	0.074664	0.10709	0.020647	0.65629
0.34163	-0.01489	0.7483	0.00126	0.97833	0.041777	0.36771	0.018673	0.68733
0.08447	0.156313	0.0007	0.116363	0.01186	-0.00463	0.92053	0.165874	0.00032
0.58181	0.063977	0.16751	0.162775	0.00041	0.01576	0.7341	0.031036	0.50345

0.47292	0.100289	0.03024	0.080786	0.08117	0.00013	0.99777	0.147695	0.00137
0.00417	0.126496	0.00619	0.060595	0.19116	0.063302	0.17204	0.069499	0.1337
0.00105	0.131876	0.00431	0.212869	3.47E-06	-0.06242	0.17809	0.027321	0.5559
0.71207	0.044239	0.34012	-0.00954	0.83708	0.026901	0.56199	-0.1119	0.01555
0.28272	0.022471	0.62812	0.196445	1.91E-05	0.220941	1.42E-06	0.002902	0.95013
0.7477	0.018706	0.68681	0.005961	0.89778	0.012884	0.78126	0.002826	0.95144
0.18857	0.145501	0.00162	-0.00311	0.94657	0.05465	0.23851	0.1081	0.01946
0.29008	0.055392	0.23219	0.086074	0.06309	0.106008	0.02195	0.141975	0.0021
1.01E-07	-0.25335	2.84E-08	-0.05302	0.25285	0.045789	0.32346	0.027824	0.54864
0.20377	-0.0609	0.18891	0.095861	0.03838	0.065121	0.16002	0.079809	0.08492
6.63E-08	-0.17944	9.65E-05	-0.00318	0.94538	-0.01472	0.75099	-0.13524	0.00341
1.41E-06	-0.23764	2.03E-07	0.040196	0.38613	0.010211	0.82581	-0.07951	0.08612
0.31542	-0.14125	0.00222	0.038696	0.40411	-0.05365	0.24723	0.02933	0.52721
0.00112	-0.27909	8.39E-10	-0.09869	0.03299	-0.14694	0.00145	-0.10314	0.02583
0.56709	-0.19036	3.47E-05	0.034424	0.458	-0.05687	0.21998	-0.09077	0.04996
0.61219	0.094483	0.04126	0.145575	0.00161	-0.00177	0.96963	0.10521	0.02298
0.59699	-0.1539	0.00085	-0.01781	0.70109	-0.10829	0.01924	0.045289	0.32878
0.08321	0.020358	0.6608	-0.04437	0.33872	-0.15407	0.00084	-0.09985	0.03098
1.67E-10	0.412846	1.20E-20	0.040744	0.37968	0.071371	0.12352	-0.0091	0.84453
0.04139	0.098844	0.03272	0.018817	0.68504	0.082397	0.07526	-0.05706	0.21843
0.01435	0.117151	0.01129	0.009542	0.83706	0.045979	0.32146	0.078512	0.09013
0.00285	0.193791	2.48E-05	-0.0977	0.03481	0.039322	0.39654	0.148631	0.00128
7.11E-07	-0.29348	9.93E-11	-0.04288	0.35515	-0.06341	0.17134	-0.06349	0.17079
0.76033	0.212779	3.50E-06	0.051734	0.26454	0.101285	0.02863	0.033297	0.47287
3.68E-06	0.264205	6.73E-09	0.047641	0.30426	0.06414	0.16642	-0.00798	0.86341
0.02999	-0.02266	0.62518	-0.09897	0.0325	-0.04254	0.35901	-0.05394	0.24466
0.23396	0.056562	0.22246	0.096432	0.03723	0.061284	0.18615	0.038177	0.41045
0.18425	-0.05132	0.26843	0.01592	0.73149	0.008331	0.8575	0.103036	0.02598
0.08493	0.084353	0.06857	0.079478	0.08623	0.088364	0.05637	0.16876	0.00025
0.02531	-0.04146	0.37139	0.281678	5.77E-10	-0.02638	0.56956	-0.06578	0.15585
0.78195	0.067143	0.14742	0.074993	0.10555	0.130327	0.00479	-0.10687	0.02089
1.60E-06	0.24311	1.04E-07	0.037123	0.4235	0.184202	6.22E-05	0.060067	0.19506
0.01124	-0.16936	0.00024	-0.01768	0.70321	-0.15158	0.00102	-0.02537	0.58441
0.31032	0.03027	0.51405	0.076228	0.09991	0.007049	0.87925	-0.10337	0.02549
0.72544	0.057611	0.21399	0.020393	0.66025	-0.11012	0.01728	0.103962	0.02466
0.36161	-0.04513	0.3305	0.066928	0.14872	0.041643	0.36925	0.053574	0.2479
0.42241	0.140198	0.00239	-0.0707	0.1271	-0.04613	0.31983	0.100533	0.02984
0.38702	0.083574	0.07117	0.021679	0.64029	0.026945	0.56136	-0.05456	0.23931
0.20668	0.130356	0.00478	0.158131	0.0006	0.202374	1.05E-05	-0.05497	0.23578
0.13997	0.152526	0.00094	0.032642	0.48162	0.090121	0.05162	-0.08421	0.06903
4.14E-05	0.128693	0.00535	-0.03479	0.45318	-0.03382	0.46598	0.07434	0.10862
5.11E-05	0.170969	0.00021	0.032845	0.47889	0.075262	0.1043	-0.03049	0.51093
0.41096	0.053585	0.2478	0.043102	0.35269	-0.00932	0.84078	-0.02253	0.62729
0.55162	-0.13837	0.00273	-0.05723	0.21703	-0.09103	0.04931	-0.11295	0.0146
0.00884	0.00543	0.90684	0.050231	0.27868	-0.03422	0.46071	-0.0712	0.12441



0.6569	-0.04236	0.36103	0.040855	0.37838	-0.02683	0.56303	-0.17858	0.0001
0.80268	-0.02301	0.61994	0.180143	9.06E-05	0.143747	0.00184	-0.1181	0.01064
0.48056	0.061614	0.18379	0.111315	0.0161	0.123621	0.00748	0.018005	0.69796
0.23839	-0.01402	0.7625	-0.0005	0.99147	-0.01197	0.7964	0.006768	0.88402
0.00064	-0.21997	1.59E-06	-0.03851	0.4064	-0.09856	0.03322	0.042145	0.3635
0.66042	0.015283	0.74184	0.142195	0.00207	0.039026	0.40011	0.084657	0.06758
0.10481	0.118857	0.01015	0.087918	0.05763	0.108615	0.01888	0.112688	0.01483
0.01383	0.225987	8.04E-07	0.126118	0.00635	0.012836	0.78205	0.028903	0.53325
8.87E-08	0.141229	0.00222	0.010238	0.82536	-0.02932	0.52734	-0.06012	0.19468
0.59991	-0.0703	0.12924	0.334626	1.11E-13	-0.05184	0.26353	0.040847	0.37848
0.09413	-0.24304	1.05E-07	-0.0232	0.61702	-0.06269	0.17621	-0.0511	0.27044
0.72709	0.148606	0.00128	-0.00715	0.87754	0.025683	0.57983	-0.03668	0.4291
8.17E-07	0.184674	5.95E-05	-0.06562	0.15683	-0.08884	0.05504	-0.02516	0.58764
9.80E-08	0.260823	1.06E-08	0.03361	0.46871	0.062142	0.18005	0.073661	0.1119
8.18E-06	0.286926	2.66E-10	0.085055	0.06629	-0.02597	0.5756	0.081706	0.07775
0.02002	0.023845	0.60726	-0.02249	0.6279	0.044091	0.34175	-0.02735	0.55549
0.23474	-0.0723	0.11871	0.015821	0.73311	0.028748	0.53545	-0.08557	0.06466
0.00023	-0.23262	3.71E-07	-0.08454	0.06795	-0.12518	0.00676	0.022589	0.62632
0.32639	-0.02875	0.53539	-0.05557	0.2307	-0.03291	0.47809	0.079799	0.08496
0.95512	0.046468	0.31633	0.057515	0.21475	0.14725	0.00142	0.070045	0.13066
0.1124	0.022016	0.6351	0.062914	0.17469	0.01347	0.77156	0.039228	0.39768
0.12894	-0.06336	0.17162	0.099147	0.03218	0.132969	0.00399	0.04975	0.28332
0.00358	0.180958	8.40E-05	0.140981	0.00226	0.103612	0.02515	-0.01877	0.68578
0.12348	0.184783	5.89E-05	-0.05362	0.24753	0.093179	0.04416	-0.16083	0.00048
3.58E-08	-0.30897	8.69E-12	-0.12392	0.00734	-0.07659	0.0983	-0.28466	3.72E-10
0.17914	0.2077	6.02E-06	0.070519	0.12807	0.085884	0.06368	-0.12367	0.00746
3.44E-05	0.338927	5.13E-14	0.121785	0.00842	0.047078	0.31001	-0.05953	0.19912
2.42E-05	0.327964	3.58E-13	0.046925	0.31159	0.088095	0.05713	-0.05779	0.2126
0.10277	-0.05395	0.24456	-0.02364	0.61042	-0.04379	0.34502	-0.12976	0.00498
0.79207	-0.00405	0.93039	0.074868	0.10613	0.018607	0.68837	-0.09953	0.03152
0.94754	-0.05118	0.26972	-0.01251	0.78743	-0.02736	0.55529	0.044679	0.33534
0.34177	-0.05962	0.19845	0.082874	0.07358	0.054012	0.24405	-0.06117	0.18695
0.69191	-0.03276	0.48008	0.013757	0.76684	-0.01532	0.7412	0.0139	0.76448
0.21876	0.061809	0.1824	0.029697	0.52205	-3.87E-05	0.99933	-0.04388	0.34402
0.05207	0.193079	2.66E-05	0.106777	0.02101	0.056394	0.22384	0.206225	7.02E-06
0.00049	0.197045	1.80E-05	0.001629	0.972	0.048216	0.29844	0.133328	0.0039
0.38667	0.051432	0.26734	0.037444	0.4195	-0.09229	0.04624	0.048761	0.29301
5.16E-07	-0.13075	0.00465	-0.15206	0.00098	-0.05292	0.2537	-0.10044	0.02999
0.01981	-0.03727	0.42161	0.04255	0.3589	0.002779	0.95224	0.119016	0.01005
0.00213	0.128956	0.00526	-0.00278	0.95214	0.071029	0.12533	0.095389	0.03935
0.19174	-0.0653	0.15887	0.086941	0.06047	0.054474	0.24003	-0.00534	0.90834
2.43E-06	0.239366	1.65E-07	-0.01084	0.81532	0.077049	0.0963	-0.08917	0.05416
0.80849	-0.02537	0.58449	-0.13959	0.0025	-0.10767	0.01995	0.18866	4.08E-05
0.92065	0.025438	0.58346	0.051288	0.26869	0.023846	0.60724	-0.01328	0.77477
0.11697	-0.09967	0.03128	-0.15937	0.00055	-0.04218	0.36307	-0.0991	0.03226

0.15942	0.049261	0.28808	0.018966	0.68269	0.064332	0.16515	-0.08248	0.07498
0.44759	-0.0264	0.56933	-0.0036	0.93811	-0.03974	0.39158	-0.12398	0.00731
0.01693	0.229411	5.41E-07	-0.02438	0.59918	-0.04876	0.29305	0.063221	0.1726
0.04842	-0.05411	0.24317	-0.10008	0.0306	-0.00623	0.89313	-0.11822	0.01056
7.06E-05	0.279757	7.62E-10	0.017724	0.70244	0.164967	0.00034	0.042587	0.35848
0.00249	0.074839	0.10627	0.068943	0.13684	0.110178	0.01723	0.05908	0.20251
0.03841	0.246945	6.44E-08	0.131644	0.00438	0.117015	0.01139	0.022159	0.63292
2.05E-05	0.234446	2.98E-07	0.164313	0.00036	-0.03373	0.4671	0.057989	0.21099
0.03957	-0.02081	0.65369	0.352359	4.25E-15	-0.054	0.24413	-0.04813	0.29931
0.00766	0.187309	4.64E-05	0.067034	0.14807	0.247618	5.91E-08	0.104453	0.02398
0.00213	0.170585	0.00021	0.04904	0.29026	0.009324	0.84073	0.077444	0.0946
0.00295	-0.15653	0.00069	-0.09496	0.04025	-0.04932	0.28752	-0.14309	0.00194
0.13121	-0.08208	0.07641	0.013896	0.76455	-0.00646	0.88929	0.006552	0.88769
0.56923	0.064119	0.16656	0.069412	0.13419	0.039214	0.39785	0.034214	0.46076
7.01E-05	-0.14097	0.00226	-0.00446	0.92345	0.003485	0.94014	0.017649	0.70364
0.00011	-0.27539	1.43E-09	-0.03893	0.40127	-0.08817	0.05691	-0.07885	0.08873
0.64322	0.07249	0.11773	0.018663	0.68748	0.131657	0.00437	0.002969	0.94897
0.24668	0.023262	0.61607	0.058182	0.20948	0.140351	0.00237	-0.01187	0.79805
0.07678	-0.09844	0.03344	0.042505	0.35941	0.021859	0.63752	0.008047	0.86232
0.36348	0.199994	1.33E-05	0.092089	0.04671	0.070314	0.12919	0.076041	0.10075
0.14268	0.117846	0.01081	0.174798	0.00015	0.075823	0.10173	0.219779	1.62E-06
0.04607	0.206946	6.51E-06	0.080985	0.08041	0.054944	0.236	-0.04388	0.34405
0.99897	0.009803	0.83267	-0.00781	0.86637	-0.03345	0.47079	-0.08129	0.07928
0.42379	0.048199	0.29862	0.031986	0.49048	0.03214	0.4884	0.059218	0.20146
0.05326	0.222698	1.17E-06	-0.00236	0.95945	0.076417	0.09907	-0.04031	0.38483
0.41822	0.087632	0.05845	0.143527	0.00187	0.08807	0.0572	-0.00626	0.89271
0.41221	0.029754	0.52126	-0.01534	0.7409	-0.09338	0.0437	-0.05456	0.23926
0.00051	0.333071	1.46E-13	0.105988	0.02198	0.293157	1.04E-10	0.055086	0.23478
0.03527	0.087649	0.0584	0.087624	0.05847	0.106526	0.02131	0.075328	0.10399
0.9244	-0.05109	0.27053	0.137791	0.00285	0.109285	0.01816	0.06448	0.16419
0.47466	-0.07521	0.10455	-0.01796	0.69871	0.035285	0.44683	0.075626	0.10263
0.70197	0.166335	0.00031	0.053204	0.25118	0.151084	0.00106	0.005011	0.914
0.09213	-0.00024	0.99594	0.109219	0.01823	0.079989	0.08422	0.108647	0.01885
0.26125	0.167402	0.00028	0.11299	0.01457	-0.00325	0.94418	-0.08037	0.08274
0.15795	0.146364	0.00152	0.010392	0.82277	-0.00784	0.86575	-0.16876	0.00025
0.00775	-0.15149	0.00102	0.019875	0.66837	-0.05429	0.24163	0.110628	0.01677
0.23047	-0.05769	0.2134	-0.00285	0.95102	-0.01924	0.67837	-0.04632	0.31791
0.20025	0.120368	0.00922	0.032097	0.48898	-0.04145	0.37145	0.116239	0.01195
0.28554	0.07597	0.10107	-0.02168	0.64032	0.02999	0.51796	0.061794	0.1825
0.08911	0.157026	0.00066	-0.01324	0.77532	0.007911	0.86461	0.080995	0.08038
0.54922	0.022147	0.6331	0.097949	0.03433	0.068955	0.13678	0.073794	0.11125
0.01154	-0.1748	0.00015	-0.06361	0.16997	-0.03551	0.44391	0.065618	0.15685
6.58E-06	0.307737	1.06E-11	0.141241	0.00222	0.038533	0.4061	0.052983	0.25316
4.99E-05	0.095828	0.03845	0.092583	0.04554	0.063972	0.16754	0.031174	0.50157
1.09E-07	0.225067	8.93E-07	0.085132	0.06604	0.026517	0.56759	0.208972	5.26E-06

0.00031	0.208426	5.57E-06	0.04189	0.3664	0.085369	0.06529	0.124287	0.00716
0.80613	-0.02253	0.62729	0.031715	0.49417	0.070242	0.12958	0.08883	0.05508
0.77812	-0.00912	0.84416	0.037942	0.41334	-0.02679	0.5636	0.094669	0.04086
0.33211	-0.0126	0.78598	-0.05891	0.20379	0.130852	0.00462	-0.15816	0.0006
0.01267	-0.10113	0.02888	0.040417	0.38352	0.088827	0.05508	0.043254	0.351
2.13E-07	0.221798	1.29E-06	0.128477	0.00543	-0.01472	0.75103	0.209658	4.89E-06
0.73216	0.018321	0.69293	0.044758	0.33448	0.118622	0.0103	-0.07965	0.08556
0.01287	0.075587	0.10281	-0.06165	0.18351	-0.05863	0.20595	0.139012	0.00261
0.00025	0.122103	0.00825	-0.03966	0.39253	-0.04857	0.29488	-0.0293	0.5276
0.00341	0.173378	0.00017	-0.01115	0.81006	-0.13975	0.00247	-0.00796	0.86376
0.33768	-0.04975	0.28337	0.066446	0.15167	0.009388	0.83965	0.049288	0.28782
0.74633	0.03472	0.45415	0.072231	0.11905	0.024756	0.59359	-0.0794	0.08654
0.02105	0.22726	6.94E-07	0.212628	3.56E-06	0.188007	4.34E-05	0.134476	0.0036
0.00016	0.188687	4.07E-05	-0.04997	0.28117	0.020029	0.66596	-0.09992	0.03085
0.00134	0.163758	0.00038	0.008803	0.84953	-0.00794	0.86414	-0.02293	0.62109
0.15703	-0.02688	0.56237	0.019675	0.67151	0.051936	0.26268	-0.15944	0.00054
0.00466	-0.12621	0.00631	0.097907	0.03441	-0.02153	0.64265	-0.07962	0.08566
0.00188	0.186943	4.80E-05	-0.08834	0.05643	0.034509	0.45689	-0.02475	0.59361
0.94815	0.018971	0.6826	0.01461	0.75283	-0.00222	0.96188	0.027795	0.54906
0.73075	0.009873	0.8315	0.072362	0.11838	0.144442	0.00175	0.142131	0.00208
0.82418	-0.00526	0.90967	0.090776	0.04994	-0.02398	0.60528	-0.09838	0.03354
0.50951	-0.11453	0.01327	0.033488	0.47033	-0.00889	0.84801	-0.06512	0.16
0.0001	0.163536	0.00039	-0.01417	0.76005	0.009041	0.8455	-0.0304	0.51226
0.8678	0.047918	0.30144	0.198413	1.57E-05	0.133759	0.00378	0.02773	0.55
0.95859	0.048226	0.29835	0.132265	0.00419	0.082225	0.07587	0.01489	0.74826
5.76E-06	0.328382	3.33E-13	0.075312	0.10407	0.080658	0.08165	0.121091	0.00881
0.22699	0.006334	0.89142	-0.03748	0.41911	-0.02757	0.55223	0.050597	0.2752
0.07699	-0.21159	3.98E-06	0.067529	0.1451	-0.075	0.10551	-0.03956	0.39367
0.01685	-0.00251	0.95681	0.118145	0.01061	0.057847	0.21211	-0.0252	0.58706
0.67004	0.035082	0.44945	0.057335	0.21619	0.006898	0.88181	-0.26247	8.51E-09
0.0022	-0.14164	0.00215	0.059267	0.20108	0.015789	0.73363	-0.08103	0.08026
0.15819	-0.08542	0.06514	0.155147	0.00077	0.045322	0.32843	0.089234	0.05397
0.90908	0.201894	1.10E-05	0.069192	0.13543	0.04439	0.33848	0.030068	0.51686
0.60308	-0.04842	0.2964	-0.07824	0.09126	-0.11664	0.01165	0.078698	0.08937
0.07634	-0.04129	0.37326	0.129627	0.00502	0.288989	1.96E-10	0.051826	0.26368
2.67E-05	0.283852	4.20E-10	0.130032	0.00489	0.048766	0.29296	0.058735	0.20517
0.12114	0.171575	0.00019	0.16056	0.0005	0.108702	0.01879	-0.18601	5.25E-05
0.09549	0.165251	0.00034	-0.00906	0.84518	0.024069	0.60388	0.031911	0.4915
0.22962	0.05353	0.24829	0.211469	4.03E-06	0.059193	0.20165	0.157336	0.00064
0.93224	-0.02149	0.6432	0.046394	0.3171	0.016863	0.71626	0.029231	0.52861
0.96348	0.068295	0.14058	0.265684	5.50E-09	0.085749	0.0641	0.152699	0.00093
0.90135	0.049442	0.28631	0.067913	0.14282	0.034937	0.45132	0.037964	0.41307
0.20041	0.145675	0.0016	0.035984	0.43788	-0.00901	0.84595	0.099888	0.03091
0.56841	0.096609	0.03689	0.067823	0.14335	0.005767	0.90109	0.024575	0.5963
0.10065	0.145285	0.00164	0.01412	0.76087	0.068352	0.14025	0.020201	0.66325

1.02E-05	0.254159	2.56E-08	0.058425	0.20757	0.226709	7.39E-07	0.112866	0.01467
4.55E-07	-0.28665	2.77E-10	-0.11875	0.01022	-0.12582	0.00648	-0.03971	0.39189
0.39482	0.029264	0.52815	0.027784	0.54922	0.020446	0.65943	-0.06888	0.13719
0.40374	0.048316	0.29745	0.02776	0.54957	0.060631	0.1909	0.058218	0.20919
0.43993	0.009823	0.83234	-0.03397	0.46396	-0.12103	0.00884	-0.09289	0.04483
0.12981	-0.08461	0.06773	0.032132	0.4885	0.234045	3.13E-07	-0.05605	0.22671
0.25268	0.019827	0.66912	-0.00432	0.92586	-0.11418	0.01355	-0.0492	0.28869
0.01793	0.137325	0.00294	0.107902	0.01968	0.049875	0.28211	0.032643	0.4816
0.63297	0.02873	0.5357	-0.01397	0.76329	-0.00098	0.98307	-0.02263	0.62562
0.11754	-0.074	0.11024	0.086703	0.06118	-0.05463	0.23869	-0.04328	0.35075
0.40453	0.16722	0.00028	-0.00142	0.97566	-0.02695	0.5613	-0.03166	0.49488
0.00018	-0.1708	0.00021	-0.07208	0.11984	-0.05656	0.22249	-0.13671	0.00307
0.6524	-0.08442	0.06835	-0.03393	0.46452	0.028419	0.54013	-0.15478	0.00079
0.049	0.131845	0.00432	-0.0204	0.66012	-0.04413	0.34137	-0.02121	0.64757
0.92731	-0.05204	0.26172	-0.0706	0.12763	-0.10564	0.02241	0.07392	0.11064
0.00018	-0.20395	8.90E-06	0.040625	0.38108	-0.09634	0.03743	0.019566	0.67321
0.01928	-0.07537	0.10378	0.067906	0.14286	-0.07083	0.12638	0.043725	0.34577
2.76E-07	0.371025	1.09E-16	0.0473	0.30773	0.023949	0.60569	0.068788	0.13773
0.13348	0.024732	0.59396	-0.02493	0.59101	-0.04892	0.29141	0.022902	0.62155
9.99E-05	0.119297	0.00987	0.027801	0.54897	0.028716	0.5359	0.118145	0.01061
0.1684	0.095286	0.03956	0.093029	0.0445	0.043153	0.35212	0.098096	0.03406
0.30553	0.107775	0.01983	0.079748	0.08516	0.055589	0.23053	0.107676	0.01994
0.00027	-0.1046	0.02378	0.046852	0.31234	-0.02042	0.65978	0.042742	0.35673
0.23124	-0.04539	0.32767	0.039614	0.39304	0.026028	0.57476	0.085997	0.06333
7.95E-07	0.287278	2.53E-10	0.18651	5.01E-05	0.089651	0.05286	0.024157	0.60257
3.78E-06	0.213778	3.14E-06	0.044628	0.33589	-0.06571	0.15628	0.259138	1.33E-08
0.21705	0.05573	0.22934	0.08591	0.0636	0.042524	0.35919	0.067547	0.14499
1.52E-11	0.461146	5.74E-26	0.192172	2.91E-05	0.169023	0.00024	0.241407	1.28E-07
0.11693	-0.02853	0.53851	-0.03518	0.44814	-0.08338	0.07183	-0.11397	0.01373
0.03009	-0.07376	0.11143	-0.04226	0.36215	-0.09088	0.04968	-0.13727	0.00295
3.66E-05	-0.29904	4.21E-11	-0.04028	0.38517	-0.07204	0.12003	-0.0306	0.50953
0.58237	-0.01044	0.82199	-0.01939	0.67596	-0.08434	0.0686	0.15292	0.00092
0.00372	0.215891	2.49E-06	0.026614	0.56618	0.057509	0.2148	0.066275	0.15273
0.0429	0.122783	0.0079	0.045169	0.33006	0.033212	0.474	-0.05528	0.23318
0.97874	-7.56E-05	0.9987	0.143018	0.00195	-0.01052	0.8207	0.000997	0.98286
0.00973	-0.09582	0.03845	0.050943	0.27192	-0.00092	0.98418	0.029604	0.52337
0.84489	-0.13235	0.00417	0.11234	0.01515	-0.06745	0.14554	-0.0411	0.37554
0.00031	0.349484	7.32E-15	0.157289	0.00065	0.172769	0.00018	0.157217	0.00065
0.11827	0.053126	0.25188	0.102608	0.0266	0.015648	0.73591	0.028084	0.54492
0.01183	0.215955	2.48E-06	0.157584	0.00063	0.187341	4.63E-05	0.113919	0.01377
0.0635	0.141701	0.00214	-0.01653	0.72157	0.034686	0.45459	-0.01845	0.6908
0.00015	-0.12161	0.00852	0.052847	0.25438	-0.09779	0.03463	-0.07502	0.10541
0.03187	0.067983	0.14241	0.065317	0.15876	0.058934	0.20363	0.055025	0.23531
0.00022	0.074422	0.10823	-0.06689	0.14894	-0.13981	0.00246	0.04479	0.33414
0.62619	-0.14761	0.00138	-0.09608	0.03794	0.06015	0.19444	-0.16393	0.00037

0.07012	0.025752	0.57883	0.062908	0.17473	0.0688	0.13766	0.161865	0.00045
0.05785	0.082671	0.07429	0.000834	0.98565	0.020814	0.65369	-0.11973	0.0096
0.86979	0.030118	0.51617	0.116448	0.01179	0.060201	0.19407	0.124953	0.00686
0.84063	0.006876	0.8822	0.059539	0.19902	0.042432	0.36024	-0.02409	0.60363
9.44E-07	-0.30114	3.03E-11	-0.02429	0.60062	-0.07452	0.10775	-0.07347	0.11284
0.78033	0.034926	0.45148	0.100352	0.03014	0.072388	0.11824	0.095445	0.03923
1.34E-05	0.291787	1.28E-10	0.078653	0.08955	0.132839	0.00403	0.187117	4.73E-05
0.0447	0.10521	0.02298	0.048157	0.29904	-0.00658	0.88728	-0.18974	3.68E-05
0.49162	-0.00962	0.83571	0.039921	0.38939	-0.0793	0.08694	-0.07176	0.12148
0.49853	0.128232	0.00552	0.076964	0.09667	0.071117	0.12486	0.066961	0.14852
0.63606	-0.07308	0.11475	-0.03311	0.47534	-0.01317	0.77647	-0.00862	0.85259
0.00702	-0.21363	3.19E-06	-0.0504	0.27705	-0.16994	0.00022	-0.07393	0.11059
0.03392	0.253732	2.70E-08	0.074561	0.10757	0.123528	0.00753	0.093777	0.04281
3.68E-07	0.14013	0.0024	-0.0268	0.56352	0.019443	0.67515	0.11571	0.01234
0.87623	0.041319	0.37299	0.058731	0.2052	0.016999	0.71407	-0.02817	0.54371
0.00189	-0.10183	0.02778	-0.02798	0.54639	-0.01638	0.72404	-0.05809	0.21023
0.00023	-0.08503	0.06636	-0.03186	0.49217	-0.06733	0.14627	0.039885	0.38981
0.00255	0.059773	0.19726	-0.04708	0.30994	-0.13548	0.00335	0.083541	0.07129
0.03156	-0.07522	0.10448	-0.03114	0.50198	-0.10342	0.02542	-0.03795	0.41329
0.93644	0.085015	0.06642	0.07609	0.10053	0.034833	0.45268	0.057358	0.21601
0.50216	0.182624	7.21E-05	0.139092	0.00259	0.158049	0.00061	0.03867	0.40443
0.10628	0.260367	1.13E-08	0.296826	5.94E-11	0.176979	0.00012	0.074411	0.10828
0.80419	0.021349	0.6454	0.084406	0.0684	-0.01527	0.74199	0.053992	0.24422
0.01511	0.011096	0.81099	0.16125	0.00047	0.035094	0.4493	-0.00062	0.9894
0.00977	-0.08941	0.05351	0.04028	0.38513	0.040164	0.3865	-0.05315	0.25166
0.00468	0.229046	5.64E-07	0.111943	0.01551	0.113533	0.01409	0.091376	0.04844
0.00114	-0.02477	0.59344	0.008148	0.86059	0.07285	0.11591	-0.01078	0.81624
0.53494	-0.08543	0.06511	-0.03931	0.3967	-0.08892	0.05484	-0.17795	0.00011
0.9683	0.068898	0.1371	0.077101	0.09608	0.073051	0.1149	0.021332	0.64565
0.5351	0.036433	0.43217	0.029657	0.52261	0.031315	0.49963	0.06927	0.13499
0.00111	0.244469	8.78E-08	0.030051	0.51711	0.03219	0.48771	-0.02958	0.52376
0.61472	0.067461	0.14551	-0.00605	0.89628	-0.01737	0.70811	-0.07959	0.08578
0.97412	0.053833	0.24561	0.096896	0.03633	0.090378	0.05096	0.040898	0.37788
0.12639	0.133725	0.00379	0.070392	0.12876	0.139393	0.00254	0.026141	0.5731
0.12352	0.010871	0.81475	-0.11241	0.01509	0.021291	0.64628	0.069726	0.13243
0.27849	0.070044	0.13067	0.068751	0.13794	0.072629	0.11702	3.40E-05	0.99941
0.40158	0.063924	0.16786	0.105076	0.02315	0.117095	0.01133	0.147945	0.00134
1.78E-05	0.223031	1.13E-06	0.093775	0.04281	0.072123	0.1196	0.273392	1.89E-09
4.24E-07	0.210905	4.28E-06	0.048949	0.29116	0.168299	0.00026	0.137539	0.0029
0.80484	0.051794	0.26398	0.015414	0.73972	0.106028	0.02193	-0.02634	0.57021
0.10881	0.197101	1.79E-05	0.078051	0.09204	0.012162	0.79321	0.00834	0.85735
0.0006	0.273939	1.75E-09	0.017608	0.7043	0.00879	0.84974	0.036365	0.43303
0.05145	0.122801	0.00789	0.347224	1.12E-14	0.002495	0.95712	0.029406	0.52614
0.0148	-0.16197	0.00044	0.063614	0.16993	0.006342	0.89128	0.048537	0.29524
0.15189	-0.01834	0.69266	0.077847	0.09289	0.039388	0.39575	0.000742	0.98725

0.00057	0.263046	7.87E-09	0.161918	0.00044	-0.00074	0.98725	-0.03519	0.44799
0.93838	0.054887	0.23648	0.015122	0.74447	0.176079	0.00013	-0.0746	0.10738
0.0744	0.073161	0.11436	0.133825	0.00376	0.04835	0.29711	-0.02041	0.66005
0.73651	0.030475	0.51121	0.192405	2.84E-05	0.011127	0.81047	-0.00655	0.88777
0.00396	0.213881	3.11E-06	0.358298	1.36E-15	0.063203	0.17272	0.074796	0.10647
0.8312	0.033606	0.46876	0.05613	0.22602	-0.06623	0.15298	-0.1612	0.00047
0.0352	0.183377	6.72E-05	0.069248	0.13511	0.205476	7.59E-06	0.027093	0.55921
0.01829	-0.16859	0.00025	0.186105	5.20E-05	-0.00899	0.84632	0.039299	0.39682
0.28811	0.029549	0.52413	-0.04124	0.37384	-0.02262	0.62578	-0.03776	0.41557
0.00168	-0.11514	0.01278	-0.09191	0.04714	-0.02044	0.65947	0.11493	0.01295
0.08765	-0.10611	0.02183	-0.02833	0.54137	-0.06005	0.19521	0.071616	0.12223
0.55566	-0.03145	0.49782	-0.07886	0.08871	-0.0716	0.1223	0.076112	0.10043
0.29066	0.038403	0.40768	-0.00339	0.94173	-0.0174	0.70769	0.10706	0.02067
0.24159	0.080291	0.08305	0.155397	0.00075	0.030767	0.50717	-0.07138	0.12347
0.00015	-0.24312	1.04E-07	-0.02043	0.65964	-0.07426	0.109	0.020953	0.65154
0.27971	-0.10504	0.0232	-0.01488	0.74835	-0.03422	0.4607	0.136662	0.00308
0.36404	-0.05658	0.22232	0.038739	0.40359	-0.00394	0.93235	0.008408	0.8562
1.11E-07	-0.32501	5.98E-13	-0.13423	0.00366	-0.15949	0.00054	-0.04585	0.32278
0.13174	0.064751	0.16242	0.19492	2.22E-05	-0.04356	0.34755	0.048179	0.29881
0.85545	0.025944	0.57599	-0.06034	0.19304	-0.12495	0.00686	-0.0128	0.78263
0.70536	0.055099	0.23467	0.059668	0.19805	0.060449	0.19223	0.047003	0.31079
0.06122	0.060015	0.19545	0.057121	0.21791	0.024756	0.59359	0.048547	0.29513
0.02762	0.23603	2.47E-07	0.144849	0.0017	0.113047	0.01451	0.070648	0.12738
0.00084	0.161859	0.00045	-0.04263	0.35794	0.099163	0.03216	0.025855	0.57731
0.08785	0.023989	0.60509	0.02193	0.63642	0.015885	0.73206	0.065673	0.15651
0.73889	0.107166	0.02054	0.144499	0.00174	-0.0214	0.64454	-0.04385	0.34434
0.12883	0.136029	0.00322	0.00236	0.95943	0.010533	0.82042	-0.03768	0.41657
0.0015	0.193523	2.55E-05	0.063696	0.16938	0.051862	0.26335	0.069213	0.13531
0.87403	-0.0046	0.92098	0.125498	0.00662	-0.14452	0.00174	0.041955	0.36567
0.00036	-0.09449	0.04124	0.013832	0.76561	0.012061	0.7949	0.082196	0.07598
0.12586	-0.07704	0.09635	0.035903	0.4389	-0.00778	0.86687	0.143093	0.00194
0.00279	0.185435	5.54E-05	0.158484	0.00059	0.079834	0.08483	0.279796	7.58E-10
0.01348	0.153017	0.00091	0.02326	0.61611	0.000479	0.99176	-0.0441	0.34162
0.34999	0.105126	0.02309	0.000617	0.9894	0.056462	0.22328	-0.11916	0.00996
0.00404	0.137357	0.00293	0.045121	0.33057	0.053273	0.25057	-0.0102	0.82603
0.00093	-0.27948	7.93E-10	0.024011	0.60475	-0.14092	0.00227	-0.13053	0.00472
0.4626	-0.00674	0.88445	0.017279	0.70957	0.085255	0.06565	0.05209	0.26126
0.02273	0.036113	0.43623	0.155748	0.00073	0.048346	0.29714	-0.03857	0.40563
0.15785	-0.03096	0.50452	-0.04239	0.36067	-0.09035	0.05103	0.084029	0.06964
3.59E-07	-0.22688	7.25E-07	0.046611	0.31483	0.000255	0.99561	-0.08871	0.05542
0.10976	-0.05601	0.22698	-0.18878	4.03E-05	-0.00972	0.83401	-0.2021	1.08E-05
9.42E-07	0.192573	2.79E-05	0.158776	0.00057	0.061935	0.18151	0.025988	0.57535
6.74E-08	0.29426	8.81E-11	0.102168	0.02726	0.033154	0.47478	0.043779	0.34517
2.32E-06	-0.22614	7.90E-07	0.191012	3.25E-05	0.025462	0.5831	-0.03448	0.45725
1.77E-09	0.314203	3.69E-12	0.0222	0.63228	0.06362	0.1699	-0.03878	0.40308

0.01219	0.14284	0.00197	0.111459	0.01597	0.07687	0.09708	0.059632	0.19832
0.00109	-0.18144	8.04E-05	-0.03017	0.51541	0.008311	0.85784	-0.00573	0.90176
0.75751	0.063597	0.17005	0.117591	0.01099	0.100435	0.03	0.089434	0.05344
0.91743	0.09588	0.03834	0.089598	0.053	0.066306	0.15254	-0.03739	0.42012
0.04159	0.101867	0.02772	0.278706	8.87E-10	0.05747	0.21511	0.08135	0.07906
2.01E-06	0.299372	4.00E-11	0.010761	0.81659	0.011998	0.79595	0.115573	0.01245
0.00032	0.097133	0.03587	-0.00524	0.91005	0.032946	0.47755	-0.06688	0.14902
0.58741	0.082308	0.07558	0.038964	0.40086	0.088198	0.05683	0.049036	0.2903
0.01495	-0.13544	0.00336	0.011831	0.79873	-0.02823	0.54286	-0.0385	0.40655
0.02655	0.22996	5.07E-07	0.064287	0.16545	0.020906	0.65226	0.036115	0.43621
0.00684	0.010441	0.82195	0.092025	0.04686	0.092553	0.04561	0.083205	0.07244
0.99595	0.012158	0.7933	-0.03558	0.44306	0.006528	0.88811	-0.13555	0.00334
0.06611	0.247576	5.95E-08	-0.00634	0.89124	0.07643	0.09901	-0.05935	0.20047
2.47E-12	-0.25011	4.31E-08	-0.02241	0.629	-0.122	0.00831	-0.19095	3.27E-05
0.53223	0.113191	0.01439	0.266069	5.22E-09	0.124333	0.00714	0.011752	0.80004
0.4534	0.072353	0.11842	0.01941	0.67568	0.028945	0.53266	-0.02957	0.5238
0.4088	-0.02286	0.6222	-0.02431	0.60029	-0.0072	0.87663	-0.0342	0.4609
6.96E-06	-0.30199	2.65E-11	-0.06082	0.1895	-0.08938	0.05359	-0.05303	0.25273
0.21112	-0.06832	0.14043	0.036674	0.42914	0.010674	0.81805	-0.06721	0.14702
0.3511	0.031238	0.50069	0.012247	0.79181	0.061898	0.18177	-0.02455	0.59663
2.19E-06	0.272592	2.11E-09	0.084324	0.06867	0.001536	0.97359	0.248179	5.51E-08
1.48E-07	0.331343	1.98E-13	0.078048	0.09205	0.11125	0.01617	0.280829	6.52E-10
0.6658	-0.05983	0.19685	-0.02947	0.52523	0.011381	0.80623	-0.03133	0.49947
0.0142	-0.02245	0.62844	0.108766	0.01872	-0.00707	0.87895	-0.12109	0.00881
0.03513	0.192107	2.92E-05	0.074573	0.10752	0.031832	0.49257	0.114986	0.0129
0.15865	0.207279	6.29E-06	0.025739	0.57901	0.042675	0.35748	-0.00966	0.83503
0.00159	-0.15035	0.00112	0.079023	0.08805	0.097405	0.03535	-0.08596	0.06344
0.73501	0.036593	0.43015	0.024994	0.59005	0.040541	0.38206	0.069032	0.13634
0.14518	-0.0612	0.18676	0.012655	0.78504	0.021556	0.64219	0.040822	0.37877
0.00354	-0.10079	0.02942	-0.02979	0.5208	-0.04045	0.38315	0.031525	0.49676
0.01956	-0.06708	0.14781	-0.04376	0.34542	-0.04567	0.32474	0.056255	0.22498
0.27395	0.100271	0.03027	0.077754	0.09329	-0.00297	0.94901	-0.03548	0.44431
0.03071	-0.12231	0.00814	-0.18683	4.86E-05	-0.03281	0.47936	0.018393	0.69178
0.33515	-0.09417	0.04194	-0.10992	0.01749	-0.0017	0.97085	-0.07758	0.09402
0.19405	-0.1407	0.00231	-0.01397	0.7634	-0.03883	0.40245	-0.07102	0.12535
7.71E-07	0.214904	2.78E-06	-0.0586	0.20624	-0.06227	0.17917	0.058671	0.20566
1.21E-06	0.079368	0.08667	0.045362	0.328	-0.17523	0.00014	0.084055	0.06956
0.37275	-0.02827	0.5423	0.039735	0.3916	0.013852	0.76528	0.07476	0.10663
0.00033	0.273728	1.80E-09	0.119619	0.00967	0.009277	0.84152	0.047729	0.30336
6.08E-06	-0.28347	4.44E-10	-0.05122	0.26928	-0.12738	0.00584	-0.2467	6.64E-08
4.44E-07	-0.2965	6.24E-11	0.097022	0.03608	-0.05858	0.20636	-0.10751	0.02013
0.06272	0.141713	0.00214	-0.06124	0.18648	0.110341	0.01706	-0.0263	0.57081
0.0004	-0.18616	5.17E-05	-0.01002	0.82901	-0.09078	0.04992	-0.20353	9.30E-06
0.74897	0.180136	9.06E-05	-0.04726	0.30809	0.011714	0.80068	-0.14854	0.00129
0.03996	0.204649	8.28E-06	0.055071	0.23491	0.176653	0.00012	0.063128	0.17323

0.05156	0.120061	0.0094	0.078414	0.09053	0.083683	0.0708	0.06345	0.17104
0.1196	-0.14298	0.00195	0.033789	0.46634	0.034722	0.45412	0.069302	0.13481
0.03394	0.019041	0.6815	-0.02415	0.60261	0.015425	0.73954	0.073446	0.11295
0.25553	0.071692	0.12184	0.055246	0.23342	0.01096	0.81326	0.035981	0.43791
3.45E-05	0.243322	1.01E-07	0.022975	0.62043	0.028142	0.54409	0.198224	1.60E-05
0.01526	0.226145	7.89E-07	0.06552	0.15747	0.028499	0.53899	0.108578	0.01892
0.00047	0.225934	8.08E-07	0.137611	0.00288	0.017296	0.70931	-0.10593	0.02205
0.45483	0.119527	0.00973	0.068534	0.13919	0.122026	0.0083	0.005237	0.91014
0.00182	-0.08266	0.07432	0.063898	0.16803	0.009811	0.83253	-0.10544	0.02267
0.46472	-0.03236	0.48537	0.069689	0.13264	0.011493	0.80437	0.203602	9.22E-06
0.31951	0.15552	0.00075	-0.04066	0.38063	-0.0087	0.85119	-0.00959	0.83632
0.29917	-0.02732	0.55592	0.106086	0.02186	0.200331	1.29E-05	-0.07062	0.12755
1.69E-05	0.402025	1.44E-19	0.008697	0.85132	0.087252	0.05956	0.119866	0.00952
0.03241	-0.17544	0.00014	-0.0506	0.27514	0.009751	0.83354	-0.05887	0.20415
0.51274	0.031167	0.50166	0.047443	0.30627	0.026688	0.5651	0.060898	0.18894
0.02807	-0.07588	0.10146	-0.02496	0.59054	-0.01597	0.73071	-0.20952	4.96E-06
0.71746	0.011229	0.80877	0.027643	0.55125	0.017265	0.7098	-0.00617	0.89429
0.29403	0.068815	0.13758	-0.02359	0.61111	-0.01717	0.71127	-0.12105	0.00883
0.15554	-0.03909	0.39939	0.006741	0.88449	-0.07792	0.09259	-0.04359	0.34726
5.75E-05	0.285684	3.20E-10	0.009679	0.83475	0.010281	0.82464	0.005398	0.90738
0.98217	0.146869	0.00146	0.176927	0.00012	0.135444	0.00336	0.029074	0.53083
0.1524	0.051792	0.264	-0.01674	0.71831	0.038127	0.41107	-0.13879	0.00265
0.00026	0.342672	2.59E-14	0.10931	0.01813	0.008023	0.86271	0.194659	2.28E-05
0.07416	0.121277	0.0087	0.062273	0.17913	0.141499	0.00218	-0.06834	0.14035
0.63528	0.004808	0.91747	0.070545	0.12793	0.063191	0.1728	0.106721	0.02107
0.36922	0.01118	0.80959	0.005716	0.90196	0.030973	0.50432	0.057044	0.21854
0.71382	0.014665	0.75193	0.012294	0.79104	0.012091	0.7944	0.105981	0.02199
0.07955	0.088036	0.05729	-0.00628	0.8923	-0.01926	0.67797	-0.08573	0.06415
0.04202	-0.01272	0.78403	0.133247	0.00392	0.016722	0.71853	-0.03828	0.40913
0.03463	-0.09791	0.03441	0.02024	0.66265	0.014184	0.75983	0.057717	0.21314
0.05367	-0.176	0.00013	-0.02345	0.61322	-0.078	0.09227	0.004917	0.9156
0.26537	-0.11391	0.01378	0.017545	0.70531	-0.06223	0.17947	0.081059	0.08014
0.46297	-0.10274	0.02641	-0.02401	0.60474	-0.05832	0.20841	0.063473	0.17089
0.00035	0.141428	0.00219	0.126079	0.00637	-0.01371	0.76758	0.074348	0.10858
0.47156	0.02808	0.54497	0.020748	0.65472	-0.0667	0.15011	0.053269	0.25061
0.28662	-0.14027	0.00238	0.004075	0.93001	-0.09913	0.03221	-0.04035	0.38431
0.86111	-0.05389	0.24513	0.016936	0.71509	0.008608	0.85281	0.013529	0.77059
0.01433	-0.1673	0.00028	0.02465	0.59519	0.01894	0.68311	0.039741	0.39153
0.00349	-0.19665	1.87E-05	0.034272	0.46	0.0372	0.42255	0.048401	0.29659
0.01221	0.302425	2.47E-11	0.160837	0.00048	0.125263	0.00672	0.088406	0.05625
0.19139	0.109209	0.01824	0.088138	0.057	0.074791	0.10649	-0.0832	0.07244
0.02152	0.007275	0.87541	0.053213	0.25111	0.198111	1.61E-05	-0.00939	0.83969
0.02061	0.20747	6.16E-06	0.193387	2.58E-05	0.157785	0.00062	-0.06109	0.18757
0.26185	-0.008	0.86308	0.029011	0.53171	0.056516	0.22283	0.072078	0.11983
0.00298	0.207431	6.19E-06	0.177154	0.00012	0.057599	0.21408	0.124572	0.00703



0.04979	-0.00371	0.93623	-0.06011	0.19472	0.005278	0.90943	0.026423	0.56897
0.02055	0.251728	3.50E-08	0.020185	0.6635	0.133746	0.00379	0.030853	0.50598
4.04E-07	-0.21846	1.88E-06	-0.02043	0.65965	-0.02719	0.5578	0.047481	0.30589
0.36179	-0.04692	0.31169	0.014719	0.75106	0.034382	0.45855	-0.03102	0.50368
0.78321	0.01383	0.76564	0.041425	0.37176	0.020967	0.65131	-0.06117	0.18697
0.34148	-0.0455	0.3265	-0.02937	0.52658	-0.00554	0.90491	-0.05041	0.27695
0.63153	-0.01399	0.76303	0.033183	0.47438	0.014954	0.74722	0.006159	0.89439
0.67895	-0.0319	0.49168	-0.0012	0.97932	-0.02355	0.6117	-0.03581	0.44004
3.95E-05	0.258814	1.39E-08	0.115694	0.01235	0.004569	0.92155	0.156002	0.00072
0.51859	0.03976	0.39131	0.060558	0.19143	0.052525	0.2573	0.076755	0.09758
0.91952	0.019512	0.67407	-0.00968	0.83472	-0.0277	0.55039	0.07466	0.10711
0.89771	0.020498	0.65861	0.0429	0.35495	0.030658	0.50867	0.037842	0.41457
0.27876	-0.03325	0.47349	0.010436	0.82204	-0.00176	0.96978	0.01556	0.73734
0.4493	0.032851	0.47882	0.071171	0.12458	0.028032	0.54566	0.034756	0.45368
0.55332	0.06751	0.14521	0.047525	0.30543	0.021196	0.64777	0.006526	0.88815
0.06271	-0.08444	0.0683	-0.00809	0.86155	-0.02905	0.53123	0.026734	0.56442
0.18417	-0.07728	0.0953	-0.00136	0.97656	-0.02045	0.65931	-0.02164	0.64087
0.00561	0.094419	0.0414	0.088999	0.05461	0.024792	0.59306	-0.13245	0.00414
0.07269	0.133284	0.00391	-0.01511	0.74465	0.003202	0.94498	0.080908	0.0807
0.17414	0.044108	0.34156	0.044041	0.3423	0.018708	0.68678	-0.07487	0.10612
0.32876	-0.01608	0.72889	0.020584	0.65728	0.106883	0.02088	-0.03339	0.47168
0.10731	0.079272	0.08705	0.084241	0.06894	-0.0023	0.9604	-0.08446	0.06823
0.21189	0.046792	0.31296	-0.01261	0.78576	-0.02877	0.5352	0.016757	0.71797
7.26E-07	-0.21277	3.50E-06	-0.07981	0.08493	-0.02718	0.55795	-0.05309	0.25224
0.00702	0.16713	0.00029	-0.0155	0.7383	0.001757	0.96979	-0.06304	0.17386
0.0004	0.211719	3.92E-06	-0.07846	0.09036	0.057729	0.21305	0.029882	0.51946
0.00022	0.156349	0.0007	-0.00435	0.92535	-0.01412	0.76095	0.048066	0.29995
0.13152	-0.02058	0.65732	-0.06856	0.13906	-0.02341	0.61385	0.040667	0.38058
0.00058	0.222439	1.20E-06	0.340534	3.83E-14	0.020073	0.66526	0.091	0.04937
0.06135	0.075737	0.10212	0.282346	5.23E-10	0.017346	0.7085	-0.01787	0.70011
1.02E-05	-0.13821	0.00276	0.025593	0.58117	-0.03624	0.43467	-0.03063	0.50909
0.74794	-0.02031	0.66155	-0.04064	0.38088	-0.05132	0.26836	-0.10231	0.02705
0.93293	0.085401	0.06519	0.155806	0.00073	0.103107	0.02587	0.069809	0.13197
0.0248	-0.00608	0.89571	0.034275	0.45996	0.024479	0.59774	0.106971	0.02077
0.6826	0.073117	0.11458	0.175034	0.00014	0.047882	0.30181	-0.11885	0.01015
0.12735	-0.04964	0.28437	-0.03896	0.4009	-0.01426	0.75854	0.107834	0.01976
0.00429	-0.17953	9.58E-05	0.012642	0.78525	-0.01237	0.78971	0.017792	0.70136
0.12862	0.073686	0.11177	-0.04916	0.28906	-0.01416	0.76022	0.015355	0.74068
1.26E-07	0.322671	8.91E-13	0.041558	0.37022	0.08285	0.07367	0.041554	0.37027
0.01004	-0.18723	4.68E-05	-0.07588	0.10146	-0.05528	0.23314	-0.22409	9.98E-07
8.72E-07	0.310699	6.56E-12	0.066923	0.14875	0.147805	0.00136	0.142676	0.002
0.80697	0.006638	0.88623	0.028169	0.54371	0.04642	0.31683	0.063957	0.16764
0.01982	0.236465	2.34E-07	0.173632	0.00016	0.075681	0.10238	0.062471	0.17775
0.79019	0.013914	0.76425	0.274224	1.68E-09	0.025194	0.58708	-0.00353	0.93932
0.15276	0.016595	0.72058	0.009945	0.83028	0.016161	0.7276	0.02601	0.57503

0.02565	0.17031	0.00022	0.306212	1.35E-11	-0.01642	0.72336	-0.01949	0.67441
0.46054	0.012279	0.79128	0.042071	0.36434	0.071468	0.12301	-0.00041	0.99303
3.03E-07	-0.28161	5.82E-10	0.046512	0.31587	-0.01105	0.8118	0.026372	0.56971
0.23423	-0.02833	0.54139	0.136164	0.00319	0.035371	0.44572	0.079117	0.08767
0.49679	0.042934	0.35458	0.062053	0.18068	0.093475	0.04348	-0.06517	0.15971
0.05982	0.082504	0.07488	0.09367	0.04305	0.121049	0.00883	0.13107	0.00455
0.04064	0.244121	9.17E-08	0.163001	0.00041	0.231652	4.16E-07	-0.01117	0.80978
0.01833	0.078324	0.0909	0.295785	6.97E-11	0.148476	0.00129	0.030836	0.50621
0.01057	0.20061	1.25E-05	0.065279	0.15901	0.0442	0.34055	0.007679	0.86855
0.0414	0.196222	1.95E-05	0.178315	0.00011	0.074249	0.10906	0.103237	0.02568
0.67149	0.120873	0.00893	0.412906	1.18E-20	0.05308	0.25229	0.010089	0.82787
0.23384	-0.00253	0.95652	0.135447	0.00336	0.120323	0.00925	0.07965	0.08555
0.20635	-0.02523	0.58648	0.065905	0.15504	0.040104	0.38721	-0.05274	0.25536
0.00838	-0.17211	0.00019	0.064449	0.16439	-0.05925	0.20125	-0.07062	0.12753
0.48692	0.050951	0.27185	-0.0164	0.72369	0.056183	0.22558	-0.14255	0.00201
0.69388	0.087697	0.05826	0.085647	0.06442	0.074136	0.1096	0.047061	0.31019
0.22928	0.010503	0.82092	-0.0941	0.04209	0.041034	0.37629	-0.32853	3.25E-13
0.00216	0.285524	3.28E-10	0.093668	0.04305	0.05115	0.26998	0.032645	0.48158
0.71039	-0.02839	0.54051	-0.05677	0.22072	0.020038	0.66581	-0.04136	0.37246
0.09137	-0.14775	0.00137	-0.06983	0.13186	0.029219	0.52877	-0.13653	0.00311
0.17569	-0.02455	0.59669	0.02441	0.59877	-0.03274	0.48027	-0.07396	0.11043
0.84096	0.002928	0.94969	0.354658	2.74E-15	0.016074	0.729	-0.09288	0.04485
2.74E-09	0.282662	4.99E-10	-0.00581	0.90031	-0.01787	0.70017	-0.06569	0.1564
0.00243	0.169302	0.00024	0.23417	3.08E-07	0.09642	0.03726	-0.07312	0.11454
0.14916	0.148541	0.00129	0.038521	0.40624	0.0462	0.31913	-0.12124	0.00873
0.15587	-0.02675	0.56416	0.074365	0.1085	0.044685	0.33527	-0.01216	0.79317
0.40853	-0.00741	0.87308	0.044063	0.34205	0.021813	0.63823	-0.02501	0.58979
0.42929	0.042779	0.35632	-0.07548	0.10329	0.037811	0.41496	-0.06768	0.14419
6.95E-06	-0.1621	0.00044	-0.02172	0.63965	-0.00512	0.91205	-0.07098	0.12559
0.01726	-0.09929	0.03193	0.115925	0.01218	0.042537	0.35905	0.108656	0.01884
0.27434	-0.10431	0.02418	0.078882	0.08862	-0.06612	0.15372	0.036302	0.43383
0.93649	-0.07125	0.12414	0.071831	0.12111	-0.07909	0.08776	0.073209	0.11412
0.55379	0.052575	0.25684	-0.03277	0.47989	-0.01718	0.71112	0.021301	0.64613
0.38863	0.07398	0.11035	0.317858	2.01E-12	0.058309	0.20848	0.099857	0.03096
0.33953	-0.05996	0.19588	-0.04332	0.35021	-0.05565	0.22999	0.060676	0.19057
0.23691	0.148999	0.00124	-0.13538	0.00338	-0.01244	0.78867	0.035045	0.44993
1.16E-08	0.465945	1.52E-26	0.160467	0.0005	0.062928	0.17459	0.083524	0.07134
0.44801	0.104825	0.02349	0.042892	0.35504	0.02304	0.61946	0.052957	0.25339
0.02503	0.302455	2.46E-11	0.070448	0.12846	0.030774	0.50707	0.034432	0.4579
7.33E-05	0.319613	1.50E-12	0.009916	0.83077	0.033449	0.47085	0.024109	0.60329
0.48521	-0.07269	0.11671	0.02026	0.66234	-0.09393	0.04247	-0.00817	0.86026
0.01874	-0.12209	0.00826	0.230553	4.73E-07	-0.02445	0.5982	0.098945	0.03254
8.79E-06	0.332192	1.71E-13	0.024244	0.60126	0.031814	0.49282	0.209777	4.83E-06
0.17002	0.003064	0.94735	-0.0064	0.89033	-0.00159	0.9726	-0.02156	0.64215
0.03002	0.237805	1.99E-07	0.078423	0.09049	0.166375	0.00031	0.149551	0.00119

0.00584	-0.10551	0.02259	0.01123	0.80875	-0.02528	0.58576	-0.05983	0.19687
0.02268	0.01533	0.74109	0.036692	0.42891	-0.09237	0.04603	-0.00034	0.9941
2.52E-05	0.224032	1.00E-06	0.040569	0.38172	0.059979	0.19572	0.207616	6.07E-06
0.01056	0.097374	0.03541	0.036779	0.42781	-0.00574	0.90161	0.070841	0.12634
0.21809	0.218218	1.93E-06	0.029718	0.52176	0.054655	0.23847	0.094469	0.04129
0.13903	0.040021	0.3882	0.097458	0.03525	0.087572	0.05862	0.091851	0.04728
0.92951	0.121524	0.00857	0.067734	0.14388	0.040623	0.38109	0.072393	0.11822
0.01367	0.024288	0.6006	0.066565	0.15094	0.054541	0.23945	0.062011	0.18098
0.80204	0.021924	0.63652	0.033047	0.4762	0.007563	0.87051	0.016581	0.72081
0.00117	0.181364	8.10E-05	0.080103	0.08378	0.033859	0.46542	0.129806	0.00496
0.92579	0.030347	0.51298	0.036972	0.42539	0.015414	0.73972	-0.03235	0.48553
0.065	-0.0562	0.22542	-0.00976	0.83346	0.00611	0.89523	0.119526	0.00973
9.82E-10	-0.31284	4.62E-12	-0.1153	0.01266	-0.07354	0.11249	-0.00211	0.96367
0.17566	0.068629	0.13865	0.13234	0.00417	-0.0309	0.50532	0.039583	0.39342
0.26679	0.16396	0.00037	0.051292	0.26864	0.066834	0.14929	-0.01525	0.74237
0.00212	-0.15898	0.00056	-0.02248	0.62805	-0.01324	0.7753	0.077164	0.0958
0.00894	-0.01468	0.75176	0.05526	0.23331	0.070974	0.12563	0.155597	0.00074
0.53246	0.015703	0.73502	0.061645	0.18356	0.056486	0.22308	0.020951	0.65156
0.40237	-0.06868	0.13835	0.031122	0.50228	-0.04882	0.29245	-0.00144	0.97531
0.69999	-0.05172	0.26468	0.067196	0.1471	-0.04674	0.31348	0.034904	0.45176
0.00182	-0.11993	0.00948	-0.01152	0.80397	-0.07381	0.11119	-0.09135	0.04851
0.0111	-0.14943	0.0012	0.015284	0.74184	-0.06004	0.19527	0.052289	0.25944
0.7039	-0.02978	0.52091	-0.04327	0.35078	-0.09903	0.03238	-0.09873	0.03291
0.09471	0.265752	5.45E-09	0.076323	0.09949	0.074594	0.10742	-0.1171	0.01132
0.29822	0.215478	2.61E-06	0.136475	0.00312	0.102985	0.02605	0.040369	0.38408
0.00294	0.150198	0.00113	-0.07631	0.09955	-0.01565	0.73591	-0.05075	0.27375
0.45449	-0.01076	0.81658	-0.03172	0.4941	0.008952	0.847	-0.06931	0.13475
0.02246	0.08295	0.07332	-0.0358	0.44023	0.054282	0.2417	-0.04596	0.32164
0.01054	-0.09889	0.03264	-0.01193	0.79702	-0.00285	0.95104	0.026503	0.5678
0.0169	-0.17384	0.00016	0.009232	0.84228	0.011856	0.79832	0.173684	0.00016
0.46621	-0.03522	0.44766	-0.08508	0.0662	-0.01634	0.72468	-0.01499	0.7466
5.13E-05	0.125996	0.0064	0.035748	0.44089	-0.09356	0.0433	-0.08256	0.0747
0.20105	0.003909	0.93285	0.035055	0.44981	-0.03933	0.39642	0.079328	0.08682
0.1262	0.110763	0.01664	0.044419	0.33816	0.028071	0.5451	-0.02233	0.63027
0.03247	0.143748	0.00184	0.123074	0.00775	0.050108	0.27987	0.182073	7.58E-05
3.06E-05	0.350778	5.74E-15	0.103262	0.02565	0.135065	0.00345	0.011485	0.80449
0.55944	-0.06621	0.15312	-0.03262	0.48194	0.027537	0.55278	-0.0578	0.21247
0.23216	-0.00731	0.87486	-0.06154	0.18431	0.109897	0.01751	0.032456	0.48412
0.32109	0.069656	0.13282	0.348573	8.69E-15	0.021229	0.64725	0.019873	0.6684
0.00177	0.248104	5.56E-08	0.257895	1.57E-08	0.078281	0.09108	0.035936	0.43848
0.13883	-0.0587	0.20542	0.153384	0.00088	-0.03255	0.48281	0.111671	0.01576
0.00452	0.245937	7.31E-08	0.114198	0.01354	0.165228	0.00034	-0.11244	0.01505
0.00556	0.176618	0.00012	0.184122	6.27E-05	0.219476	1.68E-06	0.057715	0.21316
0.00023	0.094615	0.04098	0.03088	0.50561	0.060084	0.19493	0.021746	0.63926
0.00606	0.182464	7.31E-05	0.115895	0.0122	0.140137	0.0024	0.122754	0.00791

0.10129	-0.03773	0.41599	0.004898	0.91593	0.002189	0.96237	-0.23154	4.21E-07
0.00261	0.132289	0.00419	0.127086	0.00596	-0.02011	0.66475	0.095075	0.04
0.97211	0.057458	0.21521	-0.15868	0.00058	-0.02126	0.64675	-0.10423	0.02429
0.05641	0.214729	2.83E-06	0.042847	0.35555	0.257096	1.74E-08	0.048595	0.29466
0.00042	0.373413	6.72E-17	0.124445	0.00709	0.072309	0.11865	0.091278	0.04868
0.54572	0.079951	0.08437	-8.57E-05	0.99853	0.051518	0.26654	-0.05674	0.22104
0.04763	-0.19158	3.08E-05	-0.08113	0.07988	-0.0697	0.13258	-0.03561	0.44266
0.46133	0.050734	0.2739	-0.17747	0.00012	-0.03159	0.4959	-0.08158	0.0782
0.0041	0.182553	7.25E-05	0.156882	0.00067	0.151827	0.001	0.15519	0.00077
0.0053	0.289987	1.68E-10	0.085326	0.06543	0.124183	0.00721	0.071369	0.12353
0.00966	0.212123	3.76E-06	0.016837	0.71668	0.073389	0.11323	0.047123	0.30954
8.35E-08	0.32538	5.60E-13	0.122426	0.00808	0.091413	0.04835	0.133444	0.00387
0.24035	0.195013	2.20E-05	-0.01621	0.72684	0.161021	0.00048	0.039318	0.39659
0.03337	-0.05564	0.2301	-0.04415	0.34109	-0.01858	0.68885	-0.01774	0.70219
0.71276	-0.01302	0.77892	-0.00468	0.91961	0.049326	0.28745	-0.03028	0.51398
5.96E-05	0.24144	1.28E-07	0.057947	0.21132	0.038015	0.41244	0.256444	1.90E-08
7.37E-05	0.259694	1.23E-08	0.059994	0.19561	0.022914	0.62137	0.156561	0.00069
0.88466	0.048183	0.29878	-0.01054	0.82028	0.069577	0.13326	0.125613	0.00657
0.16243	0.280012	7.34E-10	0.085404	0.06518	0.111023	0.01639	-0.12028	0.00927
0.00233	0.353637	3.34E-15	0.018491	0.69022	0.065072	0.16034	0.067259	0.14671
0.57946	0.134114	0.00369	-0.05881	0.20462	0.107937	0.01964	0.031599	0.49575
0.00499	0.241791	1.22E-07	0.094474	0.04128	0.196616	1.87E-05	-0.00511	0.91233
0.20315	0.12576	0.0065	0.057225	0.21708	0.01187	0.79808	0.114049	0.01366
0.00027	-0.11842	0.01043	0.004484	0.923	0.084069	0.06951	-0.09516	0.03983
0.87211	-0.07552	0.1031	-0.00127	0.97808	-0.04128	0.37343	-0.142	0.0021
0.00021	0.103032	0.02598	-0.01028	0.82471	-0.02983	0.52024	-0.00142	0.9756
0.15425	0.047799	0.30265	0.016655	0.71961	0.002545	0.95626	-0.00389	0.93315
0.0031	0.091878	0.04721	-0.00507	0.91302	0.080698	0.0815	-0.11003	0.01738
0.29493	-0.03933	0.39646	0.038244	0.40963	-0.05593	0.22764	0.097987	0.03427
0.88338	0.070679	0.12721	0.033623	0.46854	0.002852	0.951	0.088358	0.05638
0.00437	-0.2148	2.81E-06	-0.06876	0.13788	-0.03726	0.42181	-0.02296	0.62063
0.12457	-0.05568	0.2298	0.106771	0.02101	0.070198	0.12983	0.044995	0.33193
0.88871	0.093325	0.04382	0.159494	0.00054	0.082855	0.07365	-0.02116	0.64826
0.39309	0.009007	0.84608	0.065106	0.16012	0.024725	0.59405	0.131492	0.00442
0.01792	0.176642	0.00012	0.031422	0.49817	0.032423	0.48457	0.110679	0.01672
0.09512	0.130283	0.0048	0.033595	0.46891	0.006487	0.88881	0.17899	0.0001
3.73E-06	0.228704	5.87E-07	-0.09638	0.03733	-0.03052	0.5106	0.178289	0.00011
0.78435	0.057776	0.21268	0.094615	0.04098	0.111675	0.01576	0.000837	0.98561
0.76892	0.105828	0.02218	0.080341	0.08286	0.119908	0.0095	0.062075	0.18052
0.76343	0.016661	0.71951	0.000726	0.98752	0.151394	0.00103	0.080095	0.08381
0.00103	-0.16838	0.00026	0.042833	0.35571	0.028813	0.53452	0.044398	0.33839
0.00079	0.12038	0.00922	-0.00374	0.93571	0.001448	0.97511	0.014731	0.75086
0.35431	0.152963	0.00091	0.0003	0.99485	0.02729	0.55636	0.108697	0.01879
0.02705	0.135503	0.00335	0.071492	0.12288	0.072949	0.11541	0.199685	1.38E-05
1.64E-07	-0.25835	1.48E-08	-0.05503	0.23522	-0.08451	0.06804	-0.14714	0.00143

0.46267	0.027367	0.55524	0.059429	0.19985	0.038102	0.41137	0.000989	0.983
0.02187	-0.12403	0.00729	0.049987	0.28103	-0.01741	0.70753	-0.0255	0.58249
0.95774	-0.00673	0.88459	0.129429	0.00509	-0.00757	0.87041	0.056035	0.22681
0.0001	0.194546	2.30E-05	0.059761	0.19735	0.101722	0.02795	0.092804	0.04502
0.00117	-0.28639	2.89E-10	0.093366	0.04373	-0.03174	0.49381	-0.05921	0.20149
0.94316	0.060728	0.19018	0.081186	0.07967	0.075651	0.10251	0.024434	0.59842
0.08862	0.068513	0.13931	0.022049	0.6346	-0.05294	0.25354	0.083898	0.07008
0.06605	0.189503	3.76E-05	0.033453	0.47079	0.176226	0.00013	0.021429	0.64416
0.16633	0.098891	0.03263	0.109085	0.01837	0.059653	0.19817	0.124252	0.00718
0.00228	0.145593	0.00161	-0.00496	0.91488	0.01622	0.72665	0.015875	0.73223
6.35E-05	-0.16709	0.00029	-0.02045	0.65936	0.023732	0.60897	0.065274	0.15904
0.76436	0.178303	0.00011	0.076089	0.10053	0.232454	3.78E-07	-0.04695	0.31133
0.00286	0.213116	3.37E-06	0.075287	0.10418	-0.00287	0.95075	-0.0965	0.0371
0.00031	0.349209	7.71E-15	0.024065	0.60395	-0.0162	0.72697	0.013893	0.7646
0.00036	0.156958	0.00066	0.044631	0.33586	0.212356	3.66E-06	0.059393	0.20013
0.19924	0.181538	7.97E-05	-0.01403	0.76242	0.016172	0.72741	-0.05218	0.26042
0.47528	-0.00978	0.83305	0.223872	1.02E-06	0.155225	0.00076	0.00976	0.83338
8.39E-11	-0.43038	1.76E-22	-0.08069	0.08154	-0.17676	0.00012	-0.26717	4.49E-09
0.45296	0.177207	0.00012	0.102128	0.02732	0.153275	0.00089	-0.0361	0.43644
0.02314	0.112916	0.01463	0.051893	0.26307	-0.00985	0.83184	0.028232	0.5428
0.00706	-0.18603	5.24E-05	-0.08355	0.07124	-0.02523	0.58648	-0.21363	3.19E-06
0.64606	0.036911	0.42615	0.004799	0.91762	0.001547	0.97341	0.000346	0.99404
0.86713	0.081619	0.07807	0.073921	0.11063	0.070295	0.12929	-0.10791	0.01967
0.02859	0.148022	0.00134	0.313487	4.15E-12	0.085729	0.06416	0.067158	0.14733
0.21939	0.035824	0.43992	0.058769	0.20491	0.045732	0.32407	0.04304	0.35338
0.42059	0.042587	0.35848	0.053192	0.25129	0.059298	0.20085	-0.00958	0.8364
0.04102	-0.06161	0.18379	0.044514	0.33713	0.03095	0.50464	-0.00195	0.96646
0.09002	0.223889	1.02E-06	0.088165	0.05693	0.126523	0.00618	-0.06273	0.17596
0.00014	-0.01199	0.79602	0.073994	0.11028	0.028749	0.53543	-0.11483	0.01302
0.01124	-0.02763	0.55143	-0.04194	0.36585	0.005308	0.90893	-0.1347	0.00354
0.35904	0.093875	0.04259	-0.00362	0.93777	0.028601	0.53753	-0.07176	0.12146
0.51744	-0.03809	0.41149	0.193346	2.59E-05	0.045887	0.32243	0.031201	0.50119
3.54E-06	-0.2117	3.93E-06	-0.01257	0.7865	-0.0042	0.9279	0.099521	0.03154
0.54663	0.067404	0.14584	0.012191	0.79274	0.267759	4.14E-09	0.055127	0.23443
0.82228	0.036803	0.42751	-0.00338	0.94193	0.246346	6.94E-08	0.049931	0.28157
0.45271	0.048374	0.29686	0.029443	0.52562	0.004923	0.91551	-0.03466	0.45495
0.01529	-0.10321	0.02572	0.030115	0.51622	-0.00382	0.93446	-0.02088	0.65266
0.75462	-0.03863	0.40495	0.212532	3.59E-06	-0.01224	0.79189	0.014213	0.75935
0.01779	0.133791	0.00377	0.340434	3.90E-14	0.121566	0.00854	0.005811	0.90032
0.94728	-0.03872	0.40377	-0.03221	0.48745	-0.04245	0.36007	0.039525	0.39411
3.16E-06	-0.27537	1.43E-09	-0.07922	0.08724	-0.08582	0.06388	-0.03407	0.46259
0.99055	0.005865	0.8994	0.014122	0.76084	0.021157	0.64836	0.050568	0.27547
0.78505	0.01035	0.82348	0.087419	0.05907	0.009359	0.84014	0.10766	0.01996
0.11546	-0.0095	0.8377	0.033776	0.46652	0.055404	0.23208	0.025147	0.58778
0.18255	-0.0675	0.14528	0.02528	0.5858	-0.01175	0.8001	-0.035	0.45049

0.86893	0.065037	0.16056	0.089164	0.05416	0.036288	0.43401	0.049976	0.28114
2.80E-05	0.159546	0.00054	0.041421	0.37181	0.021207	0.64759	0.074858	0.10618
8.47E-08	0.356996	1.75E-15	-0.09622	0.03765	0.048449	0.29612	-0.08846	0.05609
0.00973	0.2227	1.17E-06	0.148638	0.00128	0.025053	0.58918	0.20182	1.11E-05
1.91E-06	-0.18713	4.72E-05	-0.05673	0.22105	-0.06064	0.19083	0.054877	0.23656
0.16077	0.07702	0.09643	0.058936	0.20362	0.072905	0.11563	0.059476	0.1995
0.73607	0.075659	0.10248	0.041633	0.36936	0.023928	0.60602	0.031073	0.50296
0.16518	0.163514	0.00039	0.299702	3.80E-11	0.208974	5.26E-06	0.031274	0.50019
0.09298	0.105922	0.02206	0.010428	0.82216	0.149049	0.00124	0.037362	0.42052
0.04061	0.17288	0.00017	0.403449	1.04E-19	0.105069	0.02316	0.044543	0.33681
0.1425	0.117143	0.0113	0.027462	0.55386	0.064916	0.16134	0.040702	0.38017
0.45017	-0.04607	0.32046	0.001759	0.96976	0.012554	0.78672	0.045257	0.32912
0.20089	0.048132	0.29929	-0.00456	0.92171	0.001766	0.96964	-0.00532	0.90877
0.08783	0.175373	0.00014	0.138123	0.00278	0.163196	0.0004	0.090403	0.05089
0.62471	0.024217	0.60166	0.003584	0.93842	-0.03143	0.49803	0.006091	0.89555
0.05402	0.143189	0.00192	0.049012	0.29053	0.026639	0.56581	0.014058	0.76189
0.18205	0.096195	0.03771	0.031615	0.49552	0.034457	0.45758	-0.02095	0.65164
0.24727	0.092434	0.04589	0.087713	0.05822	0.132348	0.00417	0.000693	0.98809
0.02753	0.059482	0.19945	-0.00322	0.94463	-0.08446	0.06822	0.020151	0.66404
0.0127	-0.13342	0.00387	0.016104	0.72851	-0.02927	0.52808	0.087837	0.05786
0.00306	0.140067	0.00242	0.091683	0.04769	0.082029	0.07658	-0.04285	0.35556
0.01039	0.117054	0.01136	0.01724	0.7102	0.004863	0.91652	0.144822	0.0017
0.01642	0.019279	0.67774	-0.05676	0.22085	-0.042	0.36513	0.029746	0.52137
0.35247	0.082961	0.07328	0.045065	0.33118	0.013874	0.76491	0.022847	0.62238
0.62504	-0.02395	0.60567	-0.00587	0.89936	-0.00107	0.9816	0.030091	0.51655
0.02521	0.107088	0.02063	0.080797	0.08112	0.062669	0.17638	0.07828	0.09109
0.77425	0.008071	0.8619	-0.0173	0.70928	0.012574	0.78639	-0.00979	0.83291
0.81874	-0.02742	0.55444	-0.01836	0.69238	-0.01487	0.74861	0.004544	0.92199
0.54343	0.082622	0.07446	0.087512	0.0588	0.036291	0.43397	0.0865	0.06179
0.01589	0.122796	0.00789	0.062162	0.17991	-0.05288	0.25411	-0.01403	0.76229
0.06429	0.126035	0.00639	0.120465	0.00917	0.119371	0.00982	0.112156	0.01531
0.21057	0.05511	0.23458	0.035133	0.44879	0.06287	0.17499	0.045752	0.32385
0.23082	-0.01691	0.7155	-0.00783	0.86599	-0.01387	0.76501	-0.04594	0.32192
0.17727	0.033247	0.47353	-0.01141	0.80577	-0.00853	0.85419	0.033167	0.47459
0.00259	-0.17481	0.00015	-0.03923	0.39761	-0.06985	0.13175	-0.07847	0.09028
0.00138	0.405853	6.04E-20	0.075374	0.10378	0.262823	8.11E-09	0.071998	0.12025
0.59556	0.019186	0.67921	0.247689	5.86E-08	0.079656	0.08552	0.155699	0.00073
7.08E-05	0.224666	9.35E-07	0.094163	0.04196	0.03969	0.39214	0.101475	0.02833
0.51049	0.013791	0.76628	0.029885	0.51942	-0.00719	0.87684	0.070375	0.12886
0.05411	-0.08965	0.05285	-0.02473	0.59405	0.000779	0.9866	-0.02012	0.66446
9.45E-05	0.190303	3.48E-05	0.035567	0.44321	0.027961	0.54668	-0.02365	0.61027
0.00613	-0.11598	0.01214	-0.0052	0.91077	-0.01162	0.80231	-0.05395	0.24456
6.69E-08	-0.20399	8.86E-06	-0.06445	0.16439	-0.00598	0.8974	-0.02696	0.56114
0.15529	-0.03769	0.41648	-0.04209	0.36415	-0.05376	0.24628	0.012908	0.78085
0.95394	0.006156	0.89445	-0.02918	0.52939	0.102786	0.02634	-0.02371	0.60937

0.01333	0.136728	0.00307	0.096583	0.03694	-0.0112	0.80931	-0.02674	0.56436
0.08542	0.12415	0.00723	0.003627	0.93768	-0.01213	0.79372	-0.05585	0.22836
0.38199	-0.00934	0.84039	0.062836	0.17522	0.034603	0.45567	0.002555	0.95608
0.07631	0.127093	0.00595	0.020283	0.66197	0.079736	0.08521	-0.06244	0.17797
0.06225	-0.08052	0.08216	0.053736	0.24647	0.030164	0.51553	0.001402	0.9759
7.87E-05	0.190963	3.27E-05	-0.00404	0.93053	0.073615	0.11212	-0.02535	0.58477
0.31918	-0.03337	0.4719	-0.01768	0.70314	0.015878	0.73218	-0.00772	0.8679
0.03006	-0.05076	0.27367	-0.02287	0.62198	-0.00451	0.92259	-0.009	0.84623
0.8581	0.038728	0.40372	-0.00825	0.85887	-0.01607	0.72912	-0.01018	0.82627
0.0168	0.185684	5.41E-05	0.084805	0.06709	0.075748	0.10207	0.013293	0.7745
0.48155	0.025705	0.57952	-0.02408	0.60368	-0.03061	0.50935	-0.06986	0.13167
0.60745	-0.07505	0.10528	-0.02553	0.58215	-0.02248	0.62795	0.021822	0.63809
0.01132	-0.14622	0.00153	0.02087	0.65283	-0.04513	0.33051	-0.12715	0.00593
0.00044	0.150906	0.00107	0.027535	0.55282	0.06398	0.16749	0.015165	0.74378
0.85084	0.05412	0.2431	-0.01983	0.66905	-0.03604	0.43712	-0.00176	0.96975
0.14942	-0.08587	0.06374	-0.0061	0.89536	-0.02266	0.62526	-0.00866	0.85188
0.95873	-0.00647	0.88915	0.042125	0.36372	0.063012	0.17402	0.147557	0.00139
0.00268	-0.0937	0.04297	-0.13647	0.00313	-0.00926	0.84185	-0.02104	0.65022
0.7799	-0.08495	0.06663	0.004652	0.92014	-0.01068	0.81803	-0.05368	0.247
2.84E-08	0.163684	0.00038	0.008314	0.85779	-0.00154	0.97355	0.04747	0.30599
6.78E-13	0.319668	1.48E-12	-0.01855	0.68932	-0.00068	0.98835	0.068853	0.13736
0.08196	0.087187	0.05975	0.118777	0.0102	0.038616	0.40508	0.010927	0.81382
0.8081	0.016533	0.72158	-0.09501	0.04015	0.04126	0.37367	0.035437	0.44487
0.22345	0.017266	0.70978	0.077782	0.09317	0.052272	0.25959	0.05475	0.23765
0.36758	0.006545	0.88783	0.150467	0.00111	0.106645	0.02117	0.099976	0.03076
0.10156	-0.0804	0.08262	-0.02912	0.5302	-0.03962	0.39292	0.015203	0.74316
0.00252	-0.11839	0.01045	-0.04819	0.29874	-0.05823	0.20908	0.03208	0.4892
8.06E-06	-0.33766	6.44E-14	-0.09515	0.03984	-0.15734	0.00064	-0.11958	0.0097
0.77064	-0.10226	0.02713	-0.09321	0.04409	-0.0457	0.32439	0.181924	7.69E-05
0.02744	-0.20081	1.23E-05	-0.19241	2.84E-05	-0.16653	0.0003	0.000344	0.99408
0.00677	0.284666	3.72E-10	0.018716	0.68664	0.018756	0.68602	0.004105	0.92951
0.17997	0.06751	0.14521	0.019468	0.67476	0.019854	0.6687	0.081654	0.07794
0.00051	-0.01532	0.74117	0.034122	0.46196	0.017599	0.70445	0.035355	0.44592
0.30866	0.08434	0.06861	0.040211	0.38594	0.007093	0.87849	-0.03352	0.46987
0.08679	0.27967	7.72E-10	0.172442	0.00018	0.086292	0.06243	0.07679	0.09743
5.63E-05	0.265375	5.74E-09	-0.0071	0.8783	0.075113	0.10498	0.055443	0.23176
0.30502	-0.13548	0.00335	-0.05719	0.21739	-0.13836	0.00273	-0.08762	0.05848
0.01101	0.176833	0.00012	0.004393	0.92457	-0.01836	0.69225	0.104724	0.02362
8.02E-05	0.110559	0.01684	-0.04963	0.28453	-0.05163	0.26553	0.210934	4.27E-06
0.00932	-0.15352	0.00087	0.007753	0.86729	-0.05113	0.27014	0.145316	0.00164
0.73539	0.023464	0.61302	-0.11935	0.00984	-0.05451	0.23968	-0.00949	0.8379
4.82E-07	0.324417	6.61E-13	-0.00442	0.92405	0.043911	0.34372	0.092271	0.04627
0.3392	0.021335	0.64561	0.084934	0.06668	-0.02636	0.56982	-0.05062	0.27496
0.30452	-0.00657	0.8874	-0.02074	0.65484	0.144734	0.00171	-0.04403	0.3424
0.4567	0.110048	0.01736	0.048288	0.29772	0.061524	0.18443	0.06817	0.14131

0.72381	0.181326	8.12E-05	0.023715	0.60922	-0.00625	0.89289	0.00463	0.92051
0.98437	0.141997	0.0021	0.092574	0.04556	-0.0027	0.95357	-0.07126	0.12409
2.12E-06	0.102161	0.02727	0.053166	0.25152	-0.10897	0.0185	0.023357	0.61464
3.51E-05	0.114306	0.01345	-0.00553	0.90511	0.004558	0.92175	0.060942	0.18863
0.25617	-0.13975	0.00247	-0.09356	0.04328	-0.07945	0.08632	-0.08059	0.08189
0.00249	-0.21501	2.75E-06	-0.09697	0.03618	-0.08818	0.05687	-0.23285	3.61E-07
0.00081	0.302268	2.54E-11	0.132753	0.00405	0.089864	0.05229	-0.0338	0.46618
0.13894	-0.0319	0.4917	0.005293	0.90917	-0.02335	0.61473	-0.05793	0.21149
0.00446	0.043526	0.34797	0.026679	0.56523	0.005998	0.89714	0.091744	0.04754
0.03182	0.158517	0.00059	0.084604	0.06775	0.056569	0.2224	0.031087	0.50276
0.25639	-0.07993	0.08447	0.01877	0.6858	-0.0148	0.74965	-0.07592	0.10129
0.58917	-0.03081	0.50652	-0.03012	0.51608	0.045405	0.32754	-0.00582	0.90022
0.01004	0.112659	0.01486	-0.0046	0.92108	0.142217	0.00206	0.059298	0.20085
0.40724	0.128807	0.00531	0.055711	0.2295	0.079677	0.08544	-0.12364	0.00747
0.61007	0.216294	2.39E-06	0.072849	0.11591	0.048897	0.29166	0.046852	0.31235
0.43032	0.01501	0.74631	0.173635	0.00016	-0.01249	0.7878	0.108163	0.01939
0.0852	0.137523	0.0029	0.023794	0.60803	0.000974	0.98326	-0.02747	0.55381
0.23843	-0.00883	0.84902	0.033576	0.46916	0.010413	0.82243	0.058095	0.21016
0.56434	-0.01686	0.71627	-0.00511	0.91238	0.014246	0.75881	0.050111	0.27984
0.55858	0.0138	0.76613	0.002915	0.94991	0.00506	0.91316	0.143064	0.00194
0.3788	-0.01779	0.70146	0.007352	0.8741	0.031819	0.49275	0.058931	0.20366
8.76E-07	-0.24593	7.32E-08	-0.02245	0.62847	-0.05254	0.25718	0.058291	0.20862
0.22048	-0.07855	0.08999	0.089558	0.05311	0.01465	0.75219	0.03693	0.42592
5.05E-05	0.290617	1.53E-10	0.069512	0.13363	0.064223	0.16588	0.037904	0.4138
0.9983	0.077464	0.09452	0.088233	0.05674	0.015593	0.73681	0.028946	0.53264
0.59719	0.132463	0.00414	0.042414	0.36044	0.117453	0.01108	0.031873	0.49201
0.00433	-0.11215	0.01532	0.037772	0.41544	-0.03523	0.4476	-0.06337	0.17159
0.08821	0.112926	0.01462	0.124764	0.00694	0.047458	0.30611	0.12163	0.00851
0.22134	0.010661	0.81827	0.021022	0.65046	0.003188	0.94522	0.047146	0.30931
0.6982	0.030358	0.51284	-0.0736	0.11221	-0.06975	0.13231	-0.04122	0.37415
0.29002	-0.00697	0.88052	0.018778	0.68567	-0.0324	0.48486	-0.08015	0.08361
0.94363	0.036676	0.42911	0.003204	0.94495	-0.04388	0.34402	0.010605	0.8192
0.28878	0.110044	0.01736	0.052979	0.25319	0.018113	0.69624	0.057443	0.21532
0.01295	0.09207	0.04675	0.042225	0.36258	-0.00607	0.89598	0.051598	0.26579
0.96498	0.015131	0.74433	0.041472	0.37121	0.016715	0.71865	-0.03457	0.4561
1.98E-08	-0.30231	2.52E-11	-0.03145	0.49782	-0.00406	0.93029	-0.0349	0.45184
0.22154	-0.13679	0.00306	-0.03863	0.40489	-0.08413	0.0693	0.090685	0.05017
0.00616	0.178276	0.00011	-0.00663	0.88643	0.062022	0.1809	-0.17996	9.21E-05
4.26E-06	0.32482	6.17E-13	0.28903	1.95E-10	0.172177	0.00018	0.021209	0.64756
0.02636	-0.03251	0.48337	-0.10755	0.02009	-0.07653	0.09858	-0.25687	1.79E-08
0.10163	0.124442	0.00709	0.058037	0.21061	0.088128	0.05703	-0.08132	0.07917
0.8459	-0.01754	0.70541	0.014053	0.76197	-0.09161	0.04787	-0.06066	0.19065
0.9873	0.037863	0.41432	0.046257	0.31853	-0.00649	0.88872	0.080327	0.08291
0.34698	-0.16115	0.00047	-0.02787	0.54794	-0.09965	0.03132	0.067751	0.14378
0.72034	0.030787	0.50689	0.008446	0.85556	-0.02494	0.59085	-0.03039	0.51245



0.74561	0.003232	0.94446	0.012058	0.79495	-0.0149	0.74813	-0.03258	0.48247
0.74352	-0.0134	0.77279	0.011915	0.79733	-0.01095	0.81335	-0.0305	0.51089
0.43931	-0.00688	0.88214	0.041851	0.36686	-0.04341	0.34924	-0.07207	0.11986
0.40062	0.084972	0.06656	0.098358	0.03359	0.058387	0.20787	0.014844	0.74902
0.01625	0.091993	0.04694	0.034078	0.46253	0.096296	0.0375	0.090138	0.05158
0.00212	0.321602	1.07E-12	0.014144	0.76048	0.00421	0.9277	0.005786	0.90077
3.14E-15	0.421932	1.39E-21	0.1325	0.00413	0.043041	0.35338	-0.01599	0.7303
0.63356	0.043627	0.34685	0.033549	0.46952	0.050832	0.27297	0.097311	0.03553
0.11717	0.175428	0.00014	0.065528	0.15742	0.058991	0.20319	0.15873	0.00058
0.78223	0.002619	0.95498	-0.00185	0.96812	0.00419	0.92805	0.029771	0.52102
0.02888	0.107131	0.02058	-0.0784	0.09059	-0.02644	0.56871	0.069668	0.13275
0.05732	0.185331	5.60E-05	0.182385	7.37E-05	0.104771	0.02356	0.031261	0.50037
0.78467	-0.03217	0.48797	0.051478	0.26692	0.05915	0.20198	0.103809	0.02487
7.58E-07	0.126447	0.00622	0.098656	0.03305	0.037302	0.42127	0.061461	0.18488
6.95E-06	-0.24798	5.65E-08	0.081327	0.07914	-0.01988	0.66828	-0.04633	0.31773
0.8223	0.008872	0.84835	0.096987	0.03615	0.056345	0.22424	-0.07624	0.09984
0.71426	-0.02486	0.59204	-0.14955	0.00119	-0.05875	0.20503	-0.17349	0.00016
0.05033	0.22341	1.08E-06	0.046689	0.31403	0.087899	0.05768	0.086968	0.06039
0.33379	0.040546	0.382	0.020839	0.65331	0.001867	0.96791	-0.12671	0.00611
0.38548	0.058288	0.20864	0.028545	0.53833	0.012431	0.78875	0.072819	0.11607
8.91E-10	-0.30851	9.35E-12	0.005013	0.91396	0.004487	0.92296	-0.13425	0.00366
0.2253	0.11734	0.01116	0.086864	0.0607	0.016375	0.72413	0.044658	0.33557
0.03303	0.053773	0.24614	0.027483	0.55357	0.018287	0.69347	0.005832	0.89998
0.53534	-0.10167	0.02802	-0.09954	0.03151	-0.01466	0.75201	-0.02067	0.65599
0.02143	0.00287	0.95068	-0.0531	0.25215	-0.06497	0.16102	-0.02994	0.51871
0.00097	0.14814	0.00133	0.098021	0.0342	0.248183	5.51E-08	0.027879	0.54786
0.38035	0.053326	0.2501	0.091458	0.04824	0.066971	0.14846	0.087304	0.0594
0.04515	-0.17924	9.84E-05	-0.11408	0.01364	0.026184	0.57246	-0.03344	0.47102
0.00048	0.342945	2.47E-14	0.256958	1.77E-08	0.111579	0.01585	0.050042	0.2805
0.00023	0.15139	0.00103	0.030037	0.5173	-1.24E-05	0.99979	0.170568	0.00021
0.89595	-0.00422	0.92748	0.071998	0.12025	0.099008	0.03243	0.04883	0.29233
0.0018	-0.19779	1.67E-05	0.082172	0.07607	-0.01709	0.71257	0.008652	0.85207
0.17583	-0.12569	0.00653	0.045856	0.32275	0.00872	0.85093	-0.03632	0.43359
0.00832	-0.12686	0.00605	-0.00299	0.9487	-0.02437	0.59932	0.03501	0.45039
0.00389	-0.12264	0.00797	-0.0057	0.90215	-0.01873	0.68646	0.005266	0.90963
8.29E-07	-0.2954	7.39E-11	0.027361	0.55532	-0.11419	0.01354	0.006739	0.88451
0.64185	0.034797	0.45315	-0.00067	0.98843	0.01298	0.77966	-0.02136	0.64524
0.52969	0.029884	0.51944	-0.01519	0.74331	0.043164	0.352	0.077592	0.09397
0.33355	0.019424	0.67546	-0.01645	0.723	0.021197	0.64775	-0.00375	0.93562
0.85559	-0.00071	0.98786	-0.00288	0.95056	0.009278	0.84151	-0.04509	0.33095
0.55175	0.031022	0.50365	-0.00869	0.85147	-0.00832	0.85766	0.026695	0.56499
0.50761	0.02181	0.63827	-0.00432	0.92578	-0.00421	0.92763	0.041914	0.36613
0.43483	0.042363	0.36102	-0.01753	0.70559	-0.0128	0.78257	0.003374	0.94203
0.20399	-0.02422	0.60163	-0.0096	0.83615	-0.01796	0.6986	0.022098	0.63385
0.64467	0.001007	0.98268	0.183826	6.44E-05	0.003695	0.93653	0.14635	0.00152

0.1782	0.075183	0.10466	0.045133	0.33045	0.042682	0.35741	0.149358	0.00121
0.19029	0.060012	0.19547	0.049636	0.28442	0.030403	0.51221	0.078252	0.0912
0.00273	-0.23765	2.03E-07	-0.08697	0.06038	-0.09166	0.04775	-0.062	0.18105
0.15364	-0.10744	0.02022	-0.01365	0.76868	-0.01914	0.67999	0.019147	0.67983
1.78E-10	-0.36871	1.74E-16	-0.05322	0.25103	-0.15149	0.00102	-0.05677	0.22074
0.96089	0.097103	0.03593	0.013695	0.76786	-0.01645	0.72293	-0.10392	0.02472
0.7854	0.214055	3.05E-06	0.078576	0.08987	0.136377	0.00315	0.022268	0.63124
0.1868	-0.01936	0.67646	-0.04594	0.32183	-0.05836	0.20811	0.056776	0.22071
0.03151	0.100887	0.02926	0.127493	0.0058	-0.03236	0.48545	-0.0211	0.6492
0.51926	0.106633	0.02118	0.013428	0.77226	-0.03611	0.43623	-0.01273	0.78388
0.00017	-0.23065	4.68E-07	-0.01993	0.66753	-0.06758	0.1448	-0.08734	0.0593
0.14196	0.227076	7.09E-07	0.267426	4.33E-09	0.119684	0.00963	-0.00997	0.82984
0.06932	0.150216	0.00113	0.04472	0.3349	0.036343	0.43331	0.135349	0.00338
4.37E-06	-0.21156	3.99E-06	-0.06836	0.14021	-0.10019	0.03041	-0.12836	0.00547
0.0003	0.09752	0.03514	-0.00581	0.90033	0.0091	0.84451	0.094442	0.04135
0.55312	0.043523	0.34801	0.142447	0.00203	0.01695	0.71487	0.009937	0.83041
0.68168	-0.12054	0.00912	-0.04541	0.32752	-0.00574	0.90154	-0.07794	0.09248
0.0023	-0.07918	0.0874	0.002803	0.95183	0.059543	0.19899	0.033877	0.46518
0.63916	-0.04469	0.33524	0.168289	0.00026	0.060504	0.19183	0.066695	0.15014
0.19675	-0.12771	0.00571	-0.00479	0.91772	-0.13225	0.0042	-0.20944	5.00E-06
0.78977	-0.03361	0.46866	-0.02691	0.56191	-0.05164	0.26542	0.097129	0.03588
0.02011	-0.25042	4.14E-08	0.024204	0.60186	-0.16611	0.00031	-0.09185	0.04728
3.76E-06	0.208156	5.73E-06	0.0289	0.53328	0.120053	0.00941	0.2327	3.67E-07
0.1916	0.125037	0.00682	-0.01985	0.66869	0.002472	0.95751	-0.12477	0.00694
2.14E-05	0.380616	1.51E-17	0.092099	0.04668	0.162219	0.00043	0.089882	0.05225
0.99778	0.115181	0.01275	0.234714	2.89E-07	0.29687	5.89E-11	-0.00971	0.83416
1.59E-05	0.228859	5.77E-07	0.02147	0.64352	0.066367	0.15216	0.161763	0.00045
0.09118	0.088767	0.05525	0.054432	0.2404	0.165098	0.00034	-0.0166	0.72048
0.90023	0.023038	0.61948	0.055524	0.23108	0.149274	0.00121	0.054677	0.23828
0.44707	-0.06549	0.15767	0.06218	0.17978	-0.07288	0.11578	0.0077	0.86819
0.00633	0.170343	0.00022	0.107478	0.02017	0.123279	0.00765	0.036449	0.43197
0.52262	0.065845	0.15542	0.151322	0.00104	0.064138	0.16643	-0.03471	0.45428
0.04915	0.328258	3.41E-13	0.079501	0.08613	0.120507	0.00914	0.14904	0.00124
0.23629	0.152069	0.00098	-0.00362	0.93774	0.073088	0.11472	-0.12244	0.00808
0.92922	0.107274	0.02041	0.06609	0.15389	0.088346	0.05642	-0.07684	0.09721
0.58564	0.182659	7.18E-05	0.216335	2.38E-06	0.207521	6.13E-06	0.022575	0.62654
0.62159	0.149234	0.00122	0.314386	3.58E-12	0.132427	0.00415	0.030215	0.51481
0.29634	0.094804	0.04057	0.159765	0.00053	0.215244	2.68E-06	-0.01066	0.81823
0.47722	0.097432	0.0353	0.105341	0.02281	0.231076	4.45E-07	0.016339	0.72471
0.01853	0.278582	9.03E-10	0.109232	0.01821	0.051871	0.26327	0.064054	0.16699
0.92616	-0.1107	0.0167	-0.11228	0.0152	-0.07415	0.10955	-0.08787	0.05775
0.01926	0.031588	0.4959	-0.16363	0.00038	-0.04934	0.28733	-0.06892	0.137
0.32886	0.159485	0.00054	0.012603	0.7859	-0.00674	0.88456	0.069624	0.133
4.28E-05	0.169109	0.00024	0.230394	4.82E-07	0.045183	0.32991	0.095869	0.03836
2.95E-07	0.331847	1.82E-13	0.044461	0.3377	0.077659	0.09369	0.089162	0.05417

0.07005	-0.01006	0.82834	-0.06381	0.16864	-0.00424	0.92722	0.049348	0.28723
4.85E-07	0.335161	1.01E-13	0.046865	0.31221	0.005217	0.91047	0.166815	0.00029
0.01543	0.134637	0.00356	0.092065	0.04676	0.009639	0.83543	0.021583	0.64177
0.00039	0.248142	5.53E-08	0.057988	0.211	-0.00612	0.89502	0.044395	0.33842
0.00105	0.133257	0.00392	-0.02916	0.52958	0.073317	0.11358	0.025282	0.58577
0.46045	-0.05382	0.24574	-0.03276	0.47999	0.092144	0.04657	0.044493	0.33736
0.32622	0.064654	0.16304	0.035724	0.4412	0.033659	0.46806	-0.02361	0.61079
0.14218	-0.00126	0.97838	0.044796	0.33407	0.027883	0.5478	0.052929	0.25365
0.31166	0.117384	0.01113	0.008663	0.85189	-0.00677	0.88403	-0.11869	0.01025
0.71193	-0.15889	0.00057	-0.17926	9.82E-05	-0.17022	0.00022	-0.06924	0.13516
0.3681	0.098746	0.03289	0.137852	0.00283	0.061717	0.18306	-0.03718	0.42278
0.00202	-0.13434	0.00363	0.031032	0.50352	-0.00943	0.83891	0.110259	0.01714
0.00025	0.29182	1.28E-10	0.032353	0.48551	0.134715	0.00354	0.044245	0.34006
0.0002	0.105803	0.02221	0.146661	0.00148	0.051068	0.27075	0.072359	0.11839
0.23984	-0.16568	0.00032	-0.06133	0.18581	-0.16284	0.00041	-0.05291	0.25385
0.00012	0.028226	0.54288	-0.06961	0.13309	-0.08272	0.07411	-0.05834	0.20827
0.26509	0.082851	0.07366	0.168266	0.00026	-0.05911	0.20229	-0.12356	0.00751
0.64963	-0.0511	0.27048	-0.04499	0.33198	-0.01374	0.76707	0.016078	0.72895
0.01773	0.159616	0.00054	0.014236	0.75897	-0.002	0.96563	-0.00059	0.98993
0.70362	-0.07357	0.11234	0.013216	0.77576	-0.04436	0.3388	-0.14601	0.00156
0.00621	-0.06606	0.15406	0.042361	0.36105	0.136832	0.00305	0.130435	0.00475
0.03635	0.151048	0.00106	0.064496	0.16408	0.133839	0.00376	0.099349	0.03183
0.99937	-0.01598	0.73056	0.060632	0.19089	0.126227	0.00631	0.146923	0.00145
0.20807	0.070536	0.12798	0.141304	0.00221	0.044798	0.33405	-0.05328	0.25053
0.40625	-0.08649	0.06182	-0.06065	0.19074	-0.13493	0.00348	-0.06649	0.1514
0.69935	0.101339	0.02854	-0.03627	0.43428	-0.05078	0.27349	-0.04062	0.38118
5.89E-06	0.36522	3.50E-16	0.096931	0.03626	0.224451	9.58E-07	0.140034	0.00242
0.00068	-0.06365	0.16968	0.126702	0.00611	-0.02541	0.58383	-0.06808	0.14184
0.89041	-0.01204	0.79526	-0.1401	0.00241	-0.05676	0.22081	-0.09601	0.03808
0.00386	0.291853	1.27E-10	0.137487	0.00291	0.135617	0.00332	-0.01614	0.72798
0.00031	-0.0757	0.10227	-0.057	0.21891	0.039745	0.39148	-0.01178	0.79952
0.14284	0.115385	0.01259	0.097973	0.03429	0.056386	0.2239	0.132312	0.00418
0.1127	0.108221	0.01932	0.245149	8.07E-08	0.010747	0.81683	0.078888	0.08859
0.0094	0.079	0.08814	-0.07494	0.10579	-0.08694	0.06046	0.04911	0.28957
0.5527	0.044075	0.34193	0.220035	1.58E-06	0.003903	0.93297	0.060798	0.18967
0.26791	-0.01126	0.80827	0.176777	0.00012	0.219775	1.62E-06	0.092626	0.04544
0.78403	0.057883	0.21183	0.072794	0.11619	0.074081	0.10986	0.149921	0.00116
0.46377	0.026689	0.56508	0.070047	0.13065	0.048122	0.29939	0.051321	0.26838
0.95395	0.021759	0.63907	0.076731	0.09769	0.120248	0.00929	0.102333	0.02701
0.08044	0.046793	0.31295	0.171614	0.00019	0.042565	0.35873	0.146568	0.00149
0.02595	0.214529	2.89E-06	0.3462	1.35E-14	0.262198	8.82E-09	0.069868	0.13164
0.40091	0.069016	0.13643	0.068108	0.14167	0.031036	0.50346	0.082866	0.07361
0.21998	0.129006	0.00524	0.333173	1.44E-13	0.067364	0.14608	0.001765	0.96966
6.54E-05	-0.04603	0.32097	0.376523	3.54E-17	-0.00551	0.9055	-0.1476	0.00138
0.72231	0.154553	0.0008	0.055758	0.22912	0.179902	9.26E-05	-0.01494	0.74739

0.44723	0.001309	0.97749	0.044956	0.33235	0.030738	0.50757	-0.0393	0.39686
0.29985	0.131055	0.00456	0.080913	0.08069	0.061931	0.18154	0.080278	0.0831
0.04152	0.201833	1.11E-05	0.049518	0.28558	0.020848	0.65316	0.000768	0.9868
1.05E-06	0.293906	9.30E-11	0.28471	3.70E-10	0.183199	6.83E-05	0.265853	5.38E-09
6.22E-05	0.250971	3.86E-08	0.208712	5.41E-06	0.103208	0.02573	0.135022	0.00346
0.15475	0.121043	0.00883	0.039444	0.39508	-0.03657	0.43042	0.019451	0.67503
5.71E-08	-0.10133	0.02856	0.063865	0.16825	0.038213	0.41	-0.05737	0.21592
0.00017	-0.02607	0.57414	0.000225	0.99612	0.076843	0.0972	-0.17898	0.0001
0.46158	0.082941	0.07335	0.006079	0.89576	-0.00885	0.84867	-0.01906	0.68127
0.30723	-0.08479	0.06716	0.043217	0.3514	0.08504	0.06634	0.069396	0.13428
0.00338	0.041648	0.36919	0.016914	0.71545	-0.10348	0.02534	0.150268	0.00113
0.17431	0.034267	0.46006	0.04384	0.3445	0.015359	0.74062	0.1402	0.00239
0.19544	0.124236	0.00719	0.091129	0.04905	0.144783	0.00171	-0.06603	0.15428
0.07195	0.130698	0.00467	0.060038	0.19527	-0.0287	0.53612	-0.04139	0.37221
0.83746	0.059179	0.20176	0.063628	0.16984	0.01063	0.81878	-0.04211	0.36391
0.90623	-0.00753	0.87115	0.066693	0.15015	-0.0124	0.78929	-0.02793	0.54714
0.08219	0.151788	0.001	0.015182	0.74349	0.014284	0.75818	0.127319	0.00587
0.34327	-0.16096	0.00048	-0.03049	0.51099	-0.06087	0.18912	-0.0672	0.14705
0.02338	0.02208	0.63412	-0.16807	0.00026	-0.0215	0.643	-0.02477	0.59333
0.00479	-0.16129	0.00047	-0.08683	0.06079	-0.0603	0.1933	-0.11899	0.01006
0.00208	0.1661	0.00031	0.006687	0.8854	-0.01181	0.79906	0.117322	0.01117
0.00037	0.226622	7.47E-07	-0.12387	0.00736	0.058464	0.20727	-0.12822	0.00552
0.00032	-0.06373	0.16918	-0.0261	0.57366	-0.0425	0.35945	-0.0176	0.70444
0.55818	0.052926	0.25367	-0.05555	0.23083	-0.01491	0.74796	-0.09549	0.03913
0.29587	-0.10379	0.02489	-0.0996	0.0314	-0.10394	0.02468	-0.06873	0.13804
0.20104	0.074624	0.10727	0.061474	0.18479	0.010757	0.81666	-0.07454	0.10767
2.97E-09	0.216442	2.35E-06	-0.02556	0.58164	0.025491	0.58267	0.050589	0.27527
0.03453	0.128957	0.00525	0.111927	0.01552	0.021495	0.64314	0.022581	0.62645
0.03142	0.203184	9.63E-06	0.041684	0.36877	0.099958	0.03079	0.036503	0.43129
0.01769	0.172563	0.00018	0.079835	0.08482	0.06784	0.14325	0.143441	0.00189
0.95421	0.048544	0.29517	-0.07769	0.09357	0.053152	0.25165	0.054624	0.23873
0.43164	0.047914	0.30149	0.198298	1.58E-05	0.036269	0.43425	0.0773	0.09522
0.39346	0.07644	0.09897	-0.0001	0.9982	0.010054	0.82844	-0.0409	0.37789
0.01733	0.091538	0.04804	0.117182	0.01127	0.054224	0.2422	0.05856	0.20652
0.00109	0.149587	0.00119	-0.0109	0.81421	0.06414	0.16642	0.142467	0.00203
0.18935	0.213301	3.31E-06	0.10784	0.01975	0.089139	0.05423	-0.11302	0.01453
1.85E-10	0.394235	8.15E-19	0.128251	0.00551	0.136353	0.00315	0.099103	0.03226
2.89E-05	0.283458	4.44E-10	-0.01158	0.80297	0.087962	0.0575	-0.14592	0.00157
0.01525	0.238595	1.81E-07	0.080763	0.08125	0.149028	0.00124	0.026666	0.56542
4.94E-05	0.149728	0.00117	0.02026	0.66234	-0.02969	0.52216	0.142019	0.00209
1.28E-11	0.468649	7.14E-27	-0.02001	0.66627	0.113428	0.01419	0.147559	0.00138
0.0016	0.296775	5.98E-11	0.048353	0.29708	0.165168	0.00034	0.058318	0.20841
0.1079	0.002432	0.9582	-0.05426	0.2419	-0.05192	0.26278	-0.02173	0.63944
0.09768	0.080071	0.0839	0.088682	0.05548	-0.00799	0.86321	0.079274	0.08704
0.92442	0.162257	0.00043	-0.03452	0.45677	0.095714	0.03868	-0.07467	0.10706

0.40967	-0.09187	0.04724	-0.20616	7.07E-06	-0.07256	0.11739	-0.06875	0.13794
0.21699	-0.00362	0.93787	0.048551	0.2951	0.09017	0.05149	0.124588	0.00702
0.48632	-0.07838	0.09069	-0.11097	0.01644	-0.08886	0.05499	-0.09414	0.04201
0.44567	0.044807	0.33395	0.001294	0.97774	0.006453	0.88939	-0.05613	0.22605
0.00144	0.223277	1.09E-06	0.179419	9.68E-05	0.058166	0.20959	-0.04013	0.38691
0.33327	-0.14511	0.00167	0.076909	0.09691	0.037913	0.41369	0.018456	0.69078
0.01121	-0.18116	8.25E-05	-0.04422	0.34032	-0.00601	0.89693	-0.00739	0.87347
3.71E-06	-0.19474	2.26E-05	0.046667	0.31426	0.040345	0.38437	-0.07047	0.12835
0.03027	0.087465	0.05893	0.062439	0.17798	0.044571	0.33651	-0.02853	0.5385
0.88183	0.078318	0.09093	0.22291	1.14E-06	0.154177	0.00083	0.031542	0.49652
0.49781	0.119279	0.00988	0.136041	0.00322	0.076477	0.0988	0.076355	0.09935
0.00103	0.276726	1.18E-09	0.064611	0.16332	0.010453	0.82175	-0.0004	0.99305
0.02637	-0.0843	0.06876	0.08534	0.06538	-0.06684	0.14924	0.031857	0.49223
0.01961	0.128116	0.00556	0.121001	0.00886	-0.00574	0.90158	0.045726	0.32413
0.19885	0.118966	0.01008	-0.00728	0.87525	-0.03529	0.44677	0.05343	0.24917
4.51E-06	0.421658	1.48E-21	0.328187	3.45E-13	0.083917	0.07002	0.088729	0.05535
0.02787	0.243854	9.48E-08	0.102511	0.02675	0.204203	8.67E-06	0.168687	0.00025
2.24E-06	0.351364	5.14E-15	0.356802	1.82E-15	0.152935	0.00091	0.021996	0.63542
0.14824	0.076279	0.09968	0.079801	0.08495	0.063309	0.17199	0.090641	0.05028
1.82E-05	0.127542	0.00578	-0.16473	0.00035	-0.01293	0.78049	-0.06863	0.13863
0.04372	-0.09411	0.04206	-0.12764	0.00574	-0.05904	0.2028	-0.09637	0.03735
0.00021	-0.21564	2.56E-06	0.015307	0.74146	-0.03026	0.51413	0.073887	0.1108
0.65309	0.032406	0.4848	-0.06547	0.15777	-0.09258	0.04555	-0.05741	0.21557
0.47231	0.00091	0.98435	-0.06581	0.15561	-0.14785	0.00135	-0.0244	0.59897
0.00143	-0.25341	2.82E-08	0.092684	0.0453	-0.16418	0.00037	0.001762	0.96971
4.84E-14	-0.34322	2.34E-14	-0.01046	0.82158	-0.17264	0.00018	-0.30524	1.58E-11
0.08653	-0.09665	0.0368	0.086371	0.06218	-0.10421	0.02432	0.004658	0.92004
0.39412	0.038756	0.40339	0.088815	0.05512	0.017038	0.71344	-0.00133	0.97718
0.87859	0.057826	0.21228	-0.02317	0.61754	-0.01406	0.76188	-0.1184	0.01044
0.03859	0.074652	0.10714	0.183355	6.73E-05	0.053012	0.2529	0.001855	0.96811
0.15885	-0.13795	0.00281	0.070318	0.12917	-0.06563	0.15679	-0.03456	0.45623
1.13E-05	0.214702	2.84E-06	0.043558	0.34762	-0.04566	0.32488	0.045523	0.32628
0.00041	-0.11059	0.01681	0.056742	0.22099	-0.01491	0.74798	-0.01555	0.73755
0.56144	-0.03294	0.47769	0.086951	0.06044	-0.0098	0.83278	-0.07737	0.0949
0.00838	0.258245	1.50E-08	0.08382	0.07034	0.253838	2.66E-08	-0.02965	0.52266
0.65775	-0.00875	0.85038	-0.01387	0.76494	0.023501	0.61245	-0.06021	0.19403
0.14397	-0.19235	2.85E-05	-0.03454	0.45651	-0.06779	0.14355	0.011605	0.80249
0.06922	0.003725	0.936	0.2169	2.23E-06	0.058609	0.20614	0.108893	0.01858
0.32365	0.110538	0.01686	0.09705	0.03603	0.109697	0.01772	0.154461	0.00081
2.96E-10	-0.29717	5.63E-11	-0.00851	0.85446	-0.06896	0.13676	-0.01243	0.78877
5.97E-05	0.322881	8.60E-13	0.203181	9.63E-06	0.074136	0.1096	0.007025	0.87966
0.8317	0.071218	0.12433	0.104349	0.02413	0.002188	0.96239	0.018033	0.69752
0.49376	0.164439	0.00036	-0.09531	0.03951	0.016092	0.72871	-0.03446	0.45756
0.01348	0.07748	0.09445	0.190278	3.49E-05	0.01726	0.70987	-0.04599	0.32134
1.65E-05	0.34309	2.40E-14	0.151876	0.00099	0.105074	0.02315	0.017518	0.70574

0.00498	-0.10865	0.01885	0.023861	0.60703	-0.03259	0.48239	-0.19279	2.73E-05
0.73767	0.070547	0.12792	0.00343	0.94108	-0.03123	0.50076	-0.26277	8.17E-09
0.64144	0.129648	0.00502	0.037157	0.42308	0.041247	0.37382	0.071912	0.12069
1.57E-10	0.432501	1.04E-22	0.169401	0.00024	-0.00741	0.87313	0.058709	0.20537
0.83969	0.067123	0.14754	0.053979	0.24433	-0.01107	0.81143	0.031592	0.49584
2.88E-05	0.231029	4.47E-07	0.11825	0.01054	0.029569	0.52385	0.237277	2.12E-07
5.38E-05	-0.22605	7.98E-07	-0.04677	0.31317	-0.08985	0.05234	-0.01218	0.7929
0.01119	0.161982	0.00044	0.008872	0.84836	0.022883	0.62184	0.055265	0.23326
0.35605	0.008343	0.85731	0.000797	0.9863	0.057739	0.21296	-0.00956	0.83671
0.7211	0.083659	0.07089	0.026526	0.56745	0.090983	0.04942	0.029186	0.52924
0.93032	0.195554	2.08E-05	-0.1499	0.00116	0.069339	0.1346	0.047526	0.30543
6.29E-08	0.174097	0.00016	-0.01555	0.73749	-0.02927	0.52801	0.133386	0.00388
0.9812	0.083675	0.07083	0.056707	0.22127	0.083881	0.07014	-0.02361	0.61077
2.69E-06	-0.24004	1.52E-07	-0.02495	0.5907	-0.02711	0.55894	-0.02503	0.58954
9.55E-07	0.276014	1.30E-09	0.256088	1.99E-08	0.057804	0.21245	0.079016	0.08808
0.00558	0.140123	0.00241	0.075125	0.10493	0.070197	0.12983	0.264049	6.87E-09
0.88107	0.203894	8.95E-06	0.065049	0.16048	0.082796	0.07385	-0.03683	0.4272
0.05871	0.15774	0.00062	0.058284	0.20868	0.083705	0.07073	0.073824	0.1111
0.19908	0.146152	0.00154	0.313503	4.14E-12	0.065412	0.15816	0.005349	0.90821
0.00031	0.230207	4.93E-07	0.041529	0.37056	-0.00165	0.97165	-0.14546	0.00162
0.0994	-0.02455	0.59667	-0.00503	0.9137	-0.0143	0.75787	0.02021	0.66312
0.12748	-0.02129	0.64636	-0.12645	0.00621	-0.07816	0.0916	-0.15789	0.00062
0.00301	0.189495	3.77E-05	-0.09766	0.03488	-0.03638	0.43282	0.082697	0.0742
4.38E-05	-0.22224	1.23E-06	-0.06255	0.17721	-0.01746	0.70672	-0.19264	2.78E-05
0.91573	-0.00503	0.91371	0.006552	0.8877	-0.08433	0.06863	-0.08143	0.07876
0.58509	0.177573	0.00011	0.165749	0.00032	-0.0047	0.91929	0.02621	0.57208
1.84E-07	-0.11631	0.01189	-0.01279	0.78289	-0.06251	0.17748	-0.08812	0.05706
0.05714	0.013142	0.77698	0.023772	0.60836	-0.03195	0.49101	0.022952	0.62078
1.09E-05	0.21875	1.82E-06	0.060026	0.19537	0.206762	6.64E-06	0.060545	0.19153
0.08865	-0.18999	3.59E-05	-0.06371	0.1693	0.006714	0.88495	-0.10095	0.02916
0.01567	0.077086	0.09614	0.102416	0.02689	0.120169	0.00934	0.008712	0.85106
0.14472	0.323562	7.66E-13	0.128264	0.00551	0.165664	0.00032	0.025378	0.58435
0.1477	0.059727	0.19761	-0.00329	0.94347	0.020823	0.65355	-0.05038	0.27724
5.52E-05	-0.18692	4.82E-05	-0.02571	0.57946	-0.03841	0.40758	0.042402	0.36057
0.03451	0.05915	0.20198	-0.10935	0.01808	-0.05807	0.21032	0.041478	0.37115
0.70268	0.003049	0.94761	0.033853	0.46551	-0.03448	0.45724	0.043868	0.3442
0.00904	-0.1211	0.0088	0.012825	0.78223	0.039915	0.38945	-0.08606	0.06315
0.31315	-0.03514	0.44876	-0.01763	0.70393	-0.02081	0.65379	-0.04642	0.31679
0.65143	0.00174	0.97008	0.014705	0.75129	-0.06135	0.18569	0.015871	0.73229
0.00528	-0.23842	1.85E-07	0.117773	0.01086	-0.08077	0.08123	-0.03055	0.51019
0.52725	0.035055	0.4498	0.035209	0.44782	0.047936	0.30126	0.02722	0.55736
0.0168	0.08574	0.06413	0.015388	0.74014	0.031954	0.49092	0.099148	0.03218
0.96708	0.141685	0.00215	0.003695	0.93653	0.127372	0.00584	0.012895	0.78106
0.79604	0.033008	0.47671	0.044462	0.3377	0.125506	0.00661	0.036109	0.43628
0.04992	0.007129	0.87789	0.030074	0.51678	0.002638	0.95466	-0.04362	0.34689

0.04173	0.103695	0.02503	0.099159	0.03216	0.018343	0.69257	-0.01553	0.73782
0.00032	-0.18501	5.76E-05	0.019594	0.67278	-0.02617	0.57268	-0.14176	0.00213
0.23469	0.020009	0.66626	-0.03821	0.41	0.062779	0.17562	-0.00833	0.85753
0.93831	0.10994	0.01747	0.048831	0.29232	0.008314	0.85779	-0.04616	0.31954
0.32421	0.031651	0.49504	0.111177	0.01624	0.050195	0.27903	-0.17132	0.0002
4.01E-06	-0.28872	2.04E-10	-0.00354	0.93914	-0.11049	0.01691	-0.16103	0.00048
4.41E-05	0.266122	5.18E-09	0.004559	0.92173	0.074744	0.10671	-0.04931	0.28761
1.87E-07	-0.29225	1.20E-10	0.019498	0.67429	-0.05242	0.25824	-0.19646	1.90E-05
0.1578	-0.11212	0.01534	0.024583	0.59618	-0.06468	0.16291	-0.12901	0.00524
0.34405	0.028918	0.53304	0.037076	0.42409	0.027432	0.5543	-0.03291	0.47808
0.72007	0.176646	0.00012	0.048788	0.29274	0.006563	0.88751	-0.05776	0.21277
0.60975	0.01993	0.6675	0.090983	0.04942	0.078847	0.08876	-0.15936	0.00055
0.01862	0.222616	1.18E-06	0.165872	0.00032	0.058297	0.20857	0.021524	0.64269
0.81227	0.073279	0.11377	0.026377	0.56964	0.00237	0.95927	0.082598	0.07455
0.00013	0.296516	6.23E-11	0.088066	0.05721	0.260387	1.12E-08	0.235326	2.69E-07
0.55585	0.078912	0.0885	-0.02431	0.60026	0.004506	0.92264	-0.25177	3.48E-08
4.12E-09	0.27576	1.35E-09	0.109248	0.0182	-0.01431	0.75777	0.105587	0.02249
0.00268	-0.20313	9.69E-06	-0.08884	0.05504	-0.02807	0.54512	-0.10334	0.02554
0.45626	0.12553	0.0066	0.240061	1.51E-07	0.11247	0.01503	0.064205	0.166
0.4141	0.033542	0.46961	0.124972	0.00685	0.131093	0.00455	0.019701	0.67109
0.88574	0.087441	0.059	0.219659	1.64E-06	0.12345	0.00757	-0.0235	0.61241
0.385	-0.07579	0.10188	-0.05931	0.20076	-0.10373	0.02498	-0.03628	0.43407
0.07577	0.144712	0.00172	-0.00787	0.86539	0.013927	0.76405	-0.04659	0.31506
0.59165	0.067046	0.148	0.060728	0.19018	0.051563	0.26612	0.046508	0.31591
9.62E-08	-0.37026	1.27E-16	-0.10957	0.01786	-0.07614	0.1003	-0.12667	0.00613
0.00073	-0.14525	0.00165	0.059884	0.19643	0.070973	0.12563	0.15418	0.00083
0.49147	0.166021	0.00031	0.108709	0.01878	-0.02783	0.54855	0.059391	0.20014
0.57367	-0.03308	0.47578	0.065464	0.15783	0.048973	0.29092	0.018444	0.69097
2.12E-05	0.233858	3.20E-07	-0.02979	0.52073	0.053393	0.2495	-0.04662	0.31473
0.91808	0.106524	0.02131	-0.06314	0.17312	0.032497	0.48358	-0.04239	0.36066
0.08128	-0.14413	0.00179	0.10541	0.02272	-0.00148	0.97451	0.03228	0.48649
0.8717	-0.04052	0.38229	0.023609	0.61082	0.000891	0.98469	0.065859	0.15533
3.70E-05	-0.1805	8.77E-05	0.012012	0.79571	-0.00226	0.96115	-0.10103	0.02904
0.00119	0.047313	0.3076	-0.06959	0.13321	0.02686	0.5626	0.064163	0.16627
0.11709	0.128434	0.00544	0.107111	0.0206	0.100016	0.0307	-0.06844	0.13976
0.61706	0.159874	0.00052	0.25692	1.78E-08	0.12062	0.00908	-0.03643	0.43226
0.05285	0.158198	0.0006	0.109856	0.01756	0.206089	7.12E-06	0.038663	0.40451
0.14846	0.025003	0.58992	0.111992	0.01547	0.107595	0.02004	0.091826	0.04734
0.0039	-0.04514	0.33038	0.06624	0.15295	0.139994	0.00243	0.060081	0.19496
0.33711	0.126255	0.00629	-0.03171	0.49423	0.041973	0.36546	0.062762	0.17574
0.01568	0.010218	0.82569	-0.03645	0.43193	-0.01163	0.80206	-0.12589	0.00645
0.04546	-0.03829	0.40909	0.089374	0.0536	0.053503	0.24852	-0.12563	0.00656
7.57E-12	0.302962	2.27E-11	0.040699	0.38021	-0.10021	0.03038	0.064938	0.1612
0.51118	-0.02336	0.61458	0.017955	0.69876	-0.08151	0.07848	-0.08047	0.08236
5.58E-05	-0.15983	0.00053	0.129854	0.00495	0.068026	0.14215	-0.10466	0.02371

0.15847	0.069014	0.13644	0.053326	0.2501	0.048716	0.29346	0.091171	0.04895
2.67E-06	0.429771	2.05E-22	0.160106	0.00051	0.136185	0.00319	0.191722	3.04E-05
0.48421	0.052109	0.26109	0.054369	0.24094	0.050637	0.27481	0.006359	0.89098
0.47925	-0.01937	0.6763	-0.01908	0.68094	-0.03274	0.48032	-0.00582	0.90015
0.57703	0.033772	0.46657	0.016741	0.71823	-0.00936	0.84007	-0.01734	0.70864
0.85175	0.017906	0.69953	0.011577	0.80296	-0.00599	0.89734	0.049343	0.28728
0.01671	0.334078	1.22E-13	0.168666	0.00025	0.0358	0.44022	0.059261	0.20113
0.61945	-0.01704	0.7134	0.002386	0.95899	-0.00074	0.9872	0.007586	0.87013
0.79679	0.036905	0.42623	0.167576	0.00028	-0.02753	0.55282	-0.02333	0.61501
0.00153	-0.26399	6.92E-09	-0.04225	0.36227	-0.08405	0.06957	-0.0381	0.4114
0.16895	-0.11459	0.01322	0.155258	0.00076	0.023693	0.60956	-0.15113	0.00105
0.00453	0.137144	0.00298	0.017995	0.69812	-0.0116	0.80257	0.144088	0.0018
0.44044	-0.03949	0.39454	0.008014	0.86287	0.001355	0.9767	0.052281	0.25952
0.65795	-0.04053	0.38214	0.047211	0.30865	-0.04543	0.32731	-0.14738	0.0014
0.85659	0.118816	0.01017	0.053863	0.24535	0.034356	0.4589	-0.12189	0.00837
0.18943	0.13504	0.00346	0.02511	0.58833	0.074374	0.10846	-0.027	0.56061
0.16455	-0.01627	0.72584	0.01211	0.79408	0.022281	0.63104	-0.12502	0.00683
0.00087	-0.18889	3.99E-05	-0.16291	0.00041	-0.05016	0.27939	-0.02417	0.60239
0.53403	0.017101	0.71244	0.13592	0.00325	0.094388	0.04147	0.123225	0.00768
0.02422	-0.05304	0.25264	-0.07995	0.08439	0.045728	0.3241	-0.12254	0.00803
0.00035	-0.17496	0.00014	0.023137	0.61798	-0.00713	0.87779	-0.03438	0.45857
0.47184	0.076354	0.09935	0.072724	0.11654	0.087794	0.05798	0.198449	1.56E-05
0.51653	-0.04565	0.32494	0.202452	1.04E-05	0.063984	0.16746	0.111092	0.01632
0.76571	0.023972	0.60534	0.183601	6.58E-05	-0.03513	0.44886	0.101201	0.02876
0.69855	-0.00647	0.88915	0.044728	0.33481	-0.05421	0.24233	0.021589	0.64168
0.50296	0.035462	0.44456	0.057659	0.2136	-0.0382	0.41011	0.145094	0.00167
0.22213	-0.06463	0.16322	-0.15978	0.00053	-0.04163	0.36935	-0.06177	0.18271
0.06252	0.251227	3.73E-08	0.150748	0.00108	0.131181	0.00452	0.033521	0.46989
0.00557	0.215258	2.67E-06	0.097957	0.03432	0.163606	0.00039	0.069399	0.13426
0.01755	-0.16573	0.00032	0.102724	0.02643	-0.01833	0.69279	-0.0762	0.10003
0.72817	0.005421	0.90699	0.029465	0.52531	0.075585	0.10282	0.039233	0.39761
0.0926	0.14613	0.00154	-0.02811	0.54461	0.190557	3.40E-05	0.113603	0.01404
0.07063	-0.02724	0.55712	0.114601	0.01321	0.084698	0.06744	0.019027	0.68172
9.61E-08	0.255078	2.27E-08	0.112222	0.01525	0.215537	2.59E-06	0.07243	0.11803
0.16009	-0.04136	0.37245	-0.02539	0.58421	-0.04311	0.35258	-0.11453	0.01327
0.09679	-0.06096	0.18852	0.134705	0.00354	0.102873	0.02621	-0.12822	0.00552
0.84628	0.11026	0.01714	0.115619	0.01241	0.114207	0.01353	-0.0931	0.04434
0.07887	-0.09109	0.04916	0.008308	0.85789	-0.01332	0.77398	-0.10385	0.02482
0.00208	0.344743	1.77E-14	0.074414	0.10827	0.132504	0.00413	0.045853	0.32278
0.25232	0.011445	0.80516	0.050913	0.27221	0.020702	0.65544	0.122872	0.00785
0.27718	0.101965	0.02757	-0.04302	0.35362	0.014026	0.76242	0.042192	0.36296
0.41775	0.101164	0.02882	0.049929	0.28159	0.058097	0.21014	-0.01593	0.73134
0.01664	0.029192	0.52916	0.057277	0.21666	0.21216	3.74E-06	-0.1212	0.00875
0.55045	0.084714	0.06739	0.079232	0.08721	0.12279	0.0079	0.066196	0.15322
0.18974	-0.1318	0.00433	0.150686	0.00109	0.054827	0.23699	0.009721	0.83404



0.00025	0.28766	2.39E-10	0.10332	0.02556	0.084328	0.06865	0.061262	0.18631
0.63692	0.103366	0.0255	0.099402	0.03174	0.034105	0.46219	-0.05607	0.22651
0.1841	0.024845	0.59227	0.000855	0.98531	-0.00955	0.83693	0.331276	2.01E-13
6.40E-08	-0.25906	1.34E-08	-0.154	0.00084	-0.09832	0.03366	-0.21466	2.85E-06
0.49172	0.086437	0.06199	0.003603	0.93811	-0.03718	0.42281	-0.08613	0.06293
0.54852	-0.0291	0.53042	0.04825	0.2981	0.009769	0.83324	-0.01343	0.7723
5.56E-07	-0.34017	4.09E-14	0.069787	0.13209	-0.07261	0.1171	-0.04837	0.29694
0.13256	-0.12778	0.00569	-0.01512	0.74446	-0.04361	0.34707	0.086711	0.06116
0.90677	0.110031	0.01738	0.129659	0.00501	0.024338	0.59985	-0.06843	0.13982
0.99851	0.027339	0.55563	0.012671	0.78478	-0.00024	0.99586	0.089497	0.05327
0.0592	0.082162	0.0761	-0.03321	0.47397	0.07111	0.1249	-0.08289	0.07354
0.00093	-0.13443	0.00361	0.023533	0.61198	0.075513	0.10314	-0.01839	0.69177
0.05582	0.286353	2.90E-10	0.120231	0.0093	0.12703	0.00598	0.164331	0.00036
0.00993	-0.08913	0.05426	0.00781	0.86632	0.003928	0.93253	0.000913	0.9843
0.035	0.066124	0.15367	0.075854	0.10159	0.00633	0.89149	-0.10052	0.02986
0.80828	-0.06437	0.16491	0.055586	0.23056	0.04655	0.31547	0.181362	8.10E-05
0.70968	0.001538	0.97355	0.1124	0.01509	0.041382	0.37226	-0.02677	0.56383
0.10277	-0.10102	0.02905	-0.01423	0.75909	-0.04552	0.32634	-0.02325	0.61624
0.03148	0.091147	0.04901	0.086465	0.0619	0.057381	0.21582	0.200475	1.27E-05
0.4933	0.141147	0.00223	0.094837	0.0405	0.047254	0.3082	0.067155	0.14734
0.0006	0.266506	4.92E-09	0.066586	0.15081	0.10531	0.02285	0.016046	0.72946
2.55E-05	0.332042	1.75E-13	0.169677	0.00023	0.196175	1.96E-05	0.136357	0.00315
5.36E-09	0.449633	1.28E-24	0.143778	0.00184	0.068218	0.14103	0.068904	0.13706
0.86223	0.066993	0.14833	0.043368	0.34973	0.020044	0.66572	-0.09584	0.03843
0.1975	0.006244	0.89294	0.031373	0.49884	0.051592	0.26586	-4.86E-05	0.99917
0.0089	0.1554	0.00075	-0.12228	0.00816	0.037129	0.42343	0.008649	0.85212
0.1527	0.123941	0.00733	0.087003	0.06029	0.114406	0.01337	0.194036	2.42E-05
0.95913	-0.01082	0.81566	-0.02293	0.6212	-0.00794	0.8641	-0.11782	0.01083
0.68175	0.049025	0.29041	0.115594	0.01243	0.094677	0.04085	0.065248	0.15921
0.00662	0.122431	0.00808	0.054213	0.24229	0.116036	0.0121	0.015596	0.73676
0.0004	0.251535	3.59E-08	-0.02435	0.5996	0.020467	0.65909	-0.04494	0.33256
0.12754	-0.01565	0.73583	0.01864	0.68786	0.237281	2.12E-07	-0.06758	0.14482
0.01249	0.134179	0.00367	0.081488	0.07855	0.099903	0.03089	-0.01869	0.68698
0.00047	0.071861	0.12095	-0.09992	0.03087	0.074829	0.10631	0.023548	0.61174
0.01188	0.228657	5.90E-07	-0.11549	0.01251	0.089085	0.05438	0.009863	0.83166
0.35848	0.059802	0.19704	-0.0106	0.81932	0.075173	0.10471	0.071763	0.12146
0.33589	0.002269	0.961	-0.0162	0.72699	0.031261	0.50036	0.06003	0.19534
0.00012	-0.08914	0.05423	-0.13129	0.00448	0.018683	0.68717	-0.04827	0.29795
0.51241	-0.11649	0.01176	-0.05268	0.25585	-0.06235	0.17858	0.039428	0.39528
6.14E-07	0.238627	1.80E-07	0.05274	0.25535	0.03929	0.39694	0.124237	0.00719
0.00032	-0.17515	0.00014	-0.09966	0.03129	-0.06835	0.14026	-0.12041	0.0092
4.82E-10	-0.33622	8.35E-14	-0.01499	0.74658	0.031046	0.50332	-0.1568	0.00067
0.64193	-0.06787	0.1431	0.002203	0.96212	-0.01073	0.81718	-0.01957	0.67322
0.00144	-0.1664	0.0003	-0.00904	0.84556	-0.03102	0.50361	-0.06835	0.14025
0.06526	-0.07522	0.10448	0.019965	0.66696	-0.01717	0.71132	0.129675	0.00501

0.04963	0.240081	1.51E-07	-0.07058	0.12774	0.150955	0.00107	-0.00862	0.85268
0.4979	0.092962	0.04465	-0.12139	0.00864	0.077805	0.09307	-0.16583	0.00032
5.59E-05	-0.252	3.38E-08	-0.05152	0.26648	-0.01955	0.67348	-0.02066	0.65606
0.37064	0.126819	0.00606	-0.01529	0.74167	0.137339	0.00294	-0.04307	0.35307
0.00032	0.262248	8.77E-09	-0.02768	0.55074	0.084139	0.06928	-0.03173	0.49391
0.00039	0.200998	1.20E-05	0.163619	0.00038	0.08668	0.06125	-0.03945	0.39499
0.00065	0.242797	1.08E-07	0.047623	0.30443	0.033023	0.47652	-0.0408	0.37905
0.00423	0.159007	0.00056	0.078162	0.09157	0.07156	0.12253	0.133086	0.00396
6.28E-05	0.206891	6.55E-06	0.123629	0.00748	0.089244	0.05395	0.15622	0.0007
0.0159	0.083972	0.06983	0.103615	0.02514	0.087198	0.05971	0.196584	1.88E-05
0.08693	0.075075	0.10516	0.123569	0.00751	0.086974	0.06037	0.246807	6.55E-08
0.09211	0.119181	0.00994	0.083684	0.0708	0.051623	0.26556	0.060315	0.19322
0.27703	0.064838	0.16185	0.034566	0.45615	0.035572	0.44314	0.133818	0.00377
0.03171	0.125609	0.00657	0.130256	0.00481	0.217578	2.07E-06	0.106799	0.02098
8.22E-09	0.216042	2.45E-06	0.044772	0.33434	0.110389	0.01701	0.172714	0.00018
0.21596	0.170518	0.00021	0.042005	0.36509	0.097563	0.03505	0.040303	0.38487
0.47511	0.153084	0.0009	0.004023	0.93091	0.048565	0.29496	-0.06418	0.16614
9.03E-06	0.338668	5.37E-14	0.107875	0.01971	0.06778	0.1436	0.143198	0.00192
1.29E-10	-0.33038	2.35E-13	-0.03504	0.44993	0.044617	0.33601	-0.25048	4.11E-08
0.00236	0.02942	0.52595	0.167899	0.00027	0.006558	0.8876	-0.00494	0.91513
0.18789	-0.01657	0.721	0.035998	0.4377	0.018327	0.69283	0.071658	0.12201
0.13046	0.081076	0.08008	0.09102	0.04932	0.051893	0.26307	0.077272	0.09534
1.38E-06	-0.29807	4.89E-11	-0.10335	0.02552	-0.02754	0.55277	-0.16631	0.00031
0.8651	0.110675	0.01673	0.058468	0.20724	0.156042	0.00071	-0.11467	0.01316
0.00041	0.253004	2.97E-08	0.039297	0.39685	0.122349	0.00812	-0.02033	0.66129
0.26942	-0.06718	0.14718	-0.01697	0.7145	-0.02686	0.5626	-0.09606	0.03798
0.46657	0.100151	0.03047	0.007946	0.86402	-0.00053	0.99089	0.073548	0.11245
0.68475	0.058215	0.20922	0.018228	0.69441	0.068947	0.13682	0.02364	0.61036
0.00543	-0.03337	0.47186	-0.05823	0.20912	-0.04472	0.33489	0.051907	0.26294
0.75276	0.11838	0.01046	0.027659	0.55102	0.1315	0.00442	0.126896	0.00603
0.02247	-0.02903	0.53144	-0.00252	0.95668	-0.01043	0.82212	0.00807	0.86192
0.00067	0.07	0.13091	-0.04355	0.3477	0.017711	0.70265	0.121309	0.00869
0.73371	-0.09413	0.04202	0.011168	0.80979	-0.02292	0.62123	-0.04787	0.30195
0.69143	0.051908	0.26293	0.126402	0.00623	0.016471	0.72258	0.009214	0.84258
0.94652	0.011044	0.81185	0.099963	0.03079	0.014181	0.75988	-0.01322	0.77568
0.19767	0.154864	0.00079	0.053774	0.24613	0.015733	0.73454	0.005417	0.90706
0.70309	0.030903	0.50528	-0.01628	0.72561	0.027694	0.55052	-0.00496	0.91482
0.80186	-0.00181	0.96883	-0.00096	0.98345	-0.01112	0.8106	0.075417	0.10358
0.21919	0.0366	0.43007	0.047038	0.31042	0.027004	0.5605	-0.02773	0.54995
0.99618	-0.01854	0.68945	-0.0257	0.57953	-0.0262	0.57224	0.067639	0.14444
0.14594	0.161832	0.00045	0.318934	1.68E-12	0.020791	0.65406	0.085198	0.06583
0.86418	-0.05267	0.25598	-0.00136	0.97659	-0.01795	0.69888	0.003576	0.93858
0.04066	0.088454	0.05612	0.070902	0.12601	0.061904	0.18173	0.073867	0.1109
1.00E-06	0.161939	0.00044	0.057243	0.21693	0.121657	0.00849	0.094338	0.04158
0.47156	-0.06201	0.18095	0.386034	4.81E-18	-0.00925	0.84193	-0.01517	0.74373

0.15251	0.254555	2.43E-08	0.094771	0.04064	0.145316	0.00164	0.050704	0.27417
0.6616	0.15306	0.00091	0.058876	0.20408	0.038689	0.4042	0.006235	0.89311
0.02738	0.244261	9.01E-08	0.124451	0.00709	0.026391	0.56944	-0.06665	0.15039
0.50612	0.032224	0.48725	-0.06877	0.13785	-0.04502	0.33167	-0.0033	0.94327
0.2122	0.120556	0.00911	0.033605	0.46878	0.033211	0.47401	0.047263	0.30811
0.00327	0.217884	2.00E-06	0.027015	0.56033	0.04415	0.3411	0.08304	0.07301
0.047	0.035389	0.44549	0.00879	0.84975	0.13236	0.00417	0.061232	0.18652
0.05846	0.068998	0.13653	0.024683	0.59469	0.106881	0.02088	0.070295	0.12929
0.88456	0.09568	0.03875	0.086663	0.0613	0.086865	0.0607	0.060232	0.19384
0.02426	0.167261	0.00028	0.219581	1.66E-06	0.104604	0.02378	0.209913	4.76E-06
0.02335	0.222337	1.22E-06	0.10003	0.03067	0.085781	0.064	0.077602	0.09393
0.00182	0.103118	0.02586	0.074389	0.10839	0.143439	0.00189	0.151624	0.00101
0.06057	0.131566	0.0044	-0.02156	0.64218	0.051017	0.27123	0.002761	0.95255
0.31214	0.052204	0.26022	0.085232	0.06573	0.032457	0.48411	-0.20301	9.80E-06
0.28186	0.128667	0.00536	-0.00681	0.88327	0.077052	0.09629	-0.13152	0.00441
0.39342	0.05401	0.24406	0.029375	0.52659	0.110354	0.01705	-0.08883	0.05507
0.00092	-0.12388	0.00736	-0.01741	0.70742	-0.06485	0.16177	-0.06494	0.1612
0.36644	0.063994	0.16739	0.063774	0.16886	0.089269	0.05388	0.091588	0.04792
0.34882	0.185059	5.74E-05	0.132139	0.00423	0.21964	1.65E-06	0.059664	0.19808
1.32E-05	0.186968	4.79E-05	0.082704	0.07418	0.081255	0.07941	0.218842	1.80E-06
0.05183	0.00631	0.89182	0.113177	0.0144	0.153082	0.0009	0.041896	0.36633
3.86E-10	0.331098	2.07E-13	0.103262	0.02565	0.036677	0.42909	0.11534	0.01263
0.7368	0.043714	0.34589	0.021594	0.64161	0.021305	0.64608	0.042876	0.35522
0.87126	-0.01268	0.78465	0.021968	0.63584	0.010585	0.81954	0.056756	0.22087
0.00021	-0.18612	5.19E-05	0.000391	0.99327	-0.10159	0.02815	-0.08098	0.08044
1.45E-06	0.245136	8.08E-08	0.162952	0.00041	-0.03786	0.41441	0.106086	0.02186
6.04E-05	-0.30973	7.68E-12	0.013998	0.76288	-0.1187	0.01025	0.022636	0.62561
0.00014	0.24813	5.54E-08	-0.01043	0.82214	0.007953	0.86391	0.080201	0.0834
7.84E-05	-0.20832	5.63E-06	0.031457	0.49769	0.062415	0.17814	0.047734	0.30331
1.81E-08	-0.33619	8.39E-14	0.035524	0.44376	-0.09747	0.03522	-0.01605	0.72933
0.78042	0.006184	0.89397	0.019908	0.66784	0.007314	0.87475	0.094336	0.04158
0.66782	-0.05636	0.22411	-0.03066	0.5087	-0.02114	0.64866	0.069944	0.13122
0.68965	0.163343	0.00039	0.10118	0.0288	0.088933	0.05479	0.034578	0.456
1.48E-07	-0.07785	0.09289	-0.16178	0.00045	0.051642	0.26539	-0.1136	0.01404
0.71159	-0.07638	0.09925	-0.03712	0.4236	-0.03815	0.41073	-0.07758	0.09403
0.11303	0.040231	0.38571	0.25754	1.64E-08	0.021917	0.63662	0.003536	0.93926
6.25E-09	-0.33533	9.79E-14	-0.10049	0.02991	-0.11568	0.01236	0.021282	0.64644
0.0027	-0.18149	8.00E-05	-0.03771	0.41625	-0.04012	0.38706	-0.05253	0.25723
0.11398	-0.11297	0.01459	-0.08906	0.05445	-0.12379	0.0074	-0.12676	0.00609
0.55143	0.060624	0.19095	0.054819	0.23706	0.030213	0.51485	-0.00961	0.83591
0.01965	0.174584	0.00015	0.048497	0.29564	0.190805	3.32E-05	-0.05289	0.25397
0.00051	0.250574	4.06E-08	0.188615	4.10E-05	0.093229	0.04404	0.050364	0.27742
0.13843	0.15351	0.00087	0.076345	0.09939	0.132567	0.00411	0.066356	0.15223
1.96E-08	-0.31759	2.10E-12	0.154613	0.0008	-0.04378	0.34519	-0.06411	0.16663
0.00956	0.275683	1.37E-09	0.056488	0.22307	0.034833	0.45267	0.057596	0.21411

0.0039	0.138502	0.0027	0.028277	0.54216	0.069696	0.1326	-0.0237	0.60949
0.01228	0.194545	2.30E-05	0.281056	6.31E-10	0.208994	5.25E-06	0.067036	0.14806
0.00173	0.266682	4.80E-09	0.023985	0.60515	0.051542	0.26632	-0.00821	0.85949
0.00059	0.328015	3.55E-13	0.191269	3.17E-05	0.205112	7.89E-06	0.058519	0.20684
0.2723	0.203259	9.56E-06	0.295922	6.82E-11	0.084393	0.06844	0.180343	8.89E-05
0.13666	0.063073	0.1736	0.105155	0.02305	0.043495	0.34832	-0.01206	0.79494
0.34024	-0.01452	0.7543	-0.01607	0.72901	-0.05692	0.21955	-0.09942	0.03171
0.08291	0.080823	0.08102	0.106078	0.02187	0.097739	0.03472	0.05625	0.22502
0.03938	0.269418	3.29E-09	0.086018	0.06327	0.083716	0.07069	0.188476	4.15E-05
0.31871	0.131769	0.00434	0.001857	0.96807	-0.01097	0.81315	0.016085	0.72883
0.44466	0.043741	0.3456	-0.01029	0.82441	-0.01377	0.7666	-0.03466	0.45487
0.01421	0.252659	3.10E-08	0.225297	8.70E-07	0.327152	4.13E-13	0.10162	0.0281
1.82E-05	-0.24122	1.31E-07	-0.15612	0.00071	-0.1753	0.00014	-0.0209	0.65231
0.00066	0.136431	0.00313	0.140301	0.00237	-0.00667	0.88567	0.015614	0.73647
1.56E-06	-0.13837	0.00273	-0.06719	0.14714	-0.0153	0.74152	0.014705	0.75128
0.34785	0.01178	0.79957	0.020121	0.66451	-0.06469	0.16283	-0.06647	0.15154
0.02742	0.321002	1.18E-12	0.049727	0.28355	0.090469	0.05072	-0.02788	0.54785
0.00018	0.235228	2.72E-07	0.107114	0.0206	0.050037	0.28055	-0.0347	0.4544
0.70217	0.089413	0.05349	0.00956	0.83675	-0.04491	0.33285	0.038437	0.40727
0.04339	-0.14538	0.00163	-0.04139	0.37219	-0.02229	0.63088	-0.15589	0.00072
0.87999	-0.02932	0.52732	-0.04527	0.32894	-0.04173	0.36827	0.016762	0.71789
0.95213	0.195649	2.06E-05	0.157603	0.00063	0.2473	6.16E-08	0.10503	0.02321
0.00075	-0.03384	0.46571	0.0622	0.17964	-0.00456	0.92179	-0.05405	0.24375
0.00027	0.093006	0.04455	-0.01399	0.76302	0.042883	0.35515	0.051029	0.27111
0.05488	0.128379	0.00546	0.110918	0.01649	0.037521	0.41854	0.034574	0.45605
0.00012	-0.16073	0.00049	0.105931	0.02205	0.019068	0.68107	0.12756	0.00577
0.00094	-0.05225	0.25982	0.154114	0.00083	0.120723	0.00902	-0.15252	0.00094
3.29E-05	-0.32056	1.28E-12	0.032401	0.48487	-0.01105	0.8117	-0.18806	4.32E-05
0.96948	0.140845	0.00228	0.123453	0.00756	0.067718	0.14397	0.024845	0.59227
0.03241	0.285889	3.11E-10	0.052207	0.26019	0.073461	0.11288	-0.01961	0.67258
0.00321	0.202878	9.94E-06	0.040004	0.3884	0.025822	0.57779	-0.05017	0.27924
7.00E-05	-0.24947	4.68E-08	0.110772	0.01663	-0.05161	0.26571	-0.08491	0.06675
0.01824	-0.14539	0.00163	-0.00373	0.93599	-0.01255	0.78684	-0.02395	0.6057
0.61131	0.019835	0.66899	-0.10511	0.02311	-0.01649	0.72223	-0.13353	0.00384
0.38344	-0.01022	0.82572	0.187402	4.60E-05	-0.03892	0.40142	0.041318	0.373
0.0107	-0.12007	0.0094	0.010257	0.82503	-0.00639	0.89052	-0.19421	2.38E-05
0.10567	0.089057	0.05446	-0.01549	0.73852	-0.04916	0.28909	-0.00323	0.94455
0.04042	-0.07691	0.09689	-0.0575	0.21485	-0.01843	0.69111	-0.06127	0.18623
0.26855	-0.03262	0.48192	0.29475	8.17E-11	-0.04087	0.37819	-0.06358	0.17015
0.01872	0.118705	0.01025	0.080464	0.08239	0.0179	0.69963	0.08061	0.08183
0.00535	0.211877	3.86E-06	0.096772	0.03657	0.050369	0.27736	0.104328	0.02416
0.67186	0.029005	0.5318	0.042939	0.35452	0.046869	0.31216	0.093687	0.04301
0.18108	0.198043	1.62E-05	0.06129	0.18611	0.024439	0.59834	0.050412	0.27695
0.08059	0.260128	1.16E-08	0.060848	0.18931	0.121658	0.00849	-0.03853	0.40609
0.42944	0.000422	0.99274	0.102809	0.02631	0.070336	0.12907	0.168418	0.00026

0.0001	0.246379	6.91E-08	0.006275	0.89243	0.158533	0.00058	0.054068	0.24356
0.16727	0.050691	0.27431	-0.08694	0.06046	-0.08564	0.06444	0.139185	0.00257
0.00678	0.204266	8.61E-06	-0.04026	0.38541	0.086403	0.06209	0.066102	0.15381
0.01607	-0.17388	0.00016	0.007741	0.8675	-0.00759	0.87008	-0.03017	0.51551
0.70468	-0.07221	0.11915	0.004881	0.91622	0.034286	0.45981	0.071637	0.12212
0.00593	0.220207	1.55E-06	0.059191	0.20166	0.134632	0.00356	-0.09382	0.04271
1.10E-06	0.273443	1.88E-09	0.048092	0.29969	0.122438	0.00808	0.030467	0.51132
0.36451	0.118834	0.01016	0.092134	0.0466	0.168154	0.00026	0.040005	0.38839
0.0047	-0.10416	0.02438	0.02984	0.52005	0.005606	0.90383	-0.04641	0.31688
0.05327	0.081996	0.0767	0.188847	4.01E-05	0.121516	0.00857	-0.08215	0.07614
2.66E-07	-0.28005	7.31E-10	-0.06695	0.1486	-0.02921	0.52888	0.036419	0.43235
0.07949	0.016016	0.72994	0.030763	0.50722	0.256994	1.76E-08	-0.0436	0.34712
0.0153	0.256763	1.82E-08	0.184413	6.10E-05	0.123273	0.00765	0.130843	0.00462
0.7261	0.091827	0.04734	0.021408	0.64448	0.085091	0.06618	-0.06624	0.15296
0.11017	-0.15053	0.0011	0.005071	0.91297	-0.04816	0.29904	-0.02824	0.54267
0.2863	0.068021	0.14219	0.024072	0.60384	0.043184	0.35177	0.018222	0.69449
0.70976	0.010135	0.82709	0.062099	0.18035	0.020223	0.66291	0.087332	0.05932
0.00609	0.156228	0.0007	0.014559	0.75367	0.137454	0.00291	0.0544	0.24067
0.02966	0.298912	4.29E-11	-0.06267	0.1764	0.122946	0.00782	-0.02034	0.66114
0.00239	0.073535	0.11251	-0.14466	0.00172	-0.11211	0.01535	-0.01978	0.66988
0.45537	0.057815	0.21236	0.013395	0.77281	-0.00424	0.92712	0.094767	0.04065
2.28E-05	-0.33539	9.68E-14	-0.04804	0.30024	-0.14646	0.00151	0.041228	0.37403
0.13095	-0.04296	0.35432	0.062637	0.1766	-0.00747	0.87208	0.088312	0.05652
0.00016	0.268513	3.73E-09	0.084469	0.06819	-0.00185	0.96818	-0.10496	0.0233
0.18039	-0.10156	0.02819	-0.001	0.98275	-0.04224	0.36246	-0.02667	0.56534
0.07698	0.024776	0.5933	0.148344	0.0013	0.189224	3.86E-05	0.002805	0.9518
0.85619	0.047919	0.30143	0.038989	0.40056	0.017901	0.69961	0.045398	0.32761
0.583	0.086181	0.06276	0.174344	0.00015	0.09502	0.04012	0.037984	0.41282
0.85347	0.062788	0.17556	0.121156	0.00877	0.198673	1.53E-05	0.081192	0.07964
0.21342	0.047663	0.30402	0.078577	0.08986	-0.00028	0.99511	-0.17552	0.00014
0.923	-0.02078	0.65418	-0.0102	0.82607	-0.02909	0.53062	0.00176	0.96974
0.0516	0.127139	0.00594	0.027966	0.5466	0.057455	0.21523	0.020651	0.65623
0.00197	-0.02068	0.65578	-0.01236	0.78994	-0.00219	0.96238	-0.14281	0.00198
0.67548	0.044714	0.33496	0.081741	0.07762	0.030948	0.50466	0.006649	0.88605
1.29E-07	-0.34597	1.41E-14	-0.10159	0.02814	-0.19737	1.74E-05	0.03113	0.50217
0.28878	-0.00645	0.8895	-0.05561	0.23032	-0.09532	0.0395	0.04629	0.31819
0.00416	-0.15035	0.00112	-0.03155	0.49638	-0.04952	0.28558	-0.01386	0.76522
0.11176	-0.1056	0.02247	0.025418	0.58375	-0.05398	0.24431	-0.0383	0.40897
0.72049	0.052846	0.25439	0.105746	0.02228	0.202766	1.01E-05	-0.06506	0.16044
0.00021	0.09579	0.03852	-0.13534	0.00339	-0.10534	0.02281	0.028968	0.53233
1.44E-09	0.306169	1.36E-11	0.032498	0.48355	0.02298	0.62037	0.045119	0.3306
0.50313	0.036952	0.42564	0.080003	0.08417	0.008076	0.86182	0.141953	0.0021
0.00023	0.223496	1.07E-06	0.126775	0.00608	0.009607	0.83596	0.058889	0.20398
0.66084	-0.02444	0.59828	0.061676	0.18335	-0.02741	0.5546	0.111384	0.01604
7.55E-06	0.266963	4.62E-09	0.279035	8.46E-10	0.041591	0.36984	0.040277	0.38517

0.45804	-0.06586	0.15531	-0.05988	0.19647	-0.09751	0.03515	0.002803	0.95183
0.48686	-0.05505	0.23511	0.04063	0.38102	-0.04066	0.38068	-0.11666	0.01164
0.98703	-0.10286	0.02623	-0.0104	0.82261	-0.02057	0.65742	0.011457	0.80496
0.60333	0.052565	0.25693	0.047733	0.30332	0.03514	0.4487	0.172932	0.00017
0.10496	-0.08176	0.07756	-0.04983	0.28258	0.011612	0.80238	-0.04304	0.35335
0.66137	-0.01332	0.77399	-0.02394	0.60586	0.010525	0.82055	-0.0227	0.6246
0.82604	0.151083	0.00106	0.109286	0.01816	0.222454	1.20E-06	-0.018	0.69809
9.15E-05	0.236715	2.27E-07	0.131061	0.00456	0.104952	0.02332	0.214781	2.82E-06
0.13672	0.114862	0.013	0.157627	0.00063	-0.03607	0.43683	-0.13701	0.00301
4.75E-06	-0.19811	1.61E-05	0.11947	0.00976	0.049415	0.28658	-0.10339	0.02546
4.55E-07	0.323571	7.64E-13	0.151816	0.001	0.132045	0.00426	0.17952	9.59E-05
0.09849	-0.02534	0.58491	0.105937	0.02204	0.054649	0.23852	0.100693	0.02958
0.48325	-0.01671	0.71878	0.039493	0.3945	0.146352	0.00152	0.070319	0.12916
0.96619	-0.00587	0.89927	0.005095	0.91255	0.001132	0.98054	0.019888	0.66816
0.23168	0.092376	0.04602	-0.01216	0.79326	0.024833	0.59245	0.083911	0.07004
0.72871	-0.02073	0.65503	0.001686	0.97101	0.008837	0.84895	0.031637	0.49522
0.00627	-0.10263	0.02658	0.01164	0.80191	0.020242	0.66261	-0.0589	0.20391
0.00248	0.104846	0.02346	-0.00495	0.91497	-0.01971	0.67103	0.079952	0.08436
0.09007	0.122668	0.00796	0.053275	0.25055	0.053974	0.24438	0.06883	0.13749
0.15354	-0.18153	7.98E-05	-0.04441	0.33821	0.01977	0.67001	-0.00903	0.84564
0.73823	0.089369	0.05361	0.124612	0.00701	0.021214	0.64748	-0.02245	0.62847
0.00459	-0.14579	0.00158	0.007615	0.86963	0.016078	0.72894	0.042426	0.3603
0.00824	-0.12588	0.00645	0.038498	0.40653	-0.01667	0.71935	-0.02108	0.64952
0.47765	0.004154	0.92867	0.031614	0.49554	0.139785	0.00247	-0.03824	0.40963
0.00271	-0.08218	0.07603	0.018766	0.68586	0.025016	0.58973	0.020535	0.65804
0.01984	0.151206	0.00105	0.14344	0.00189	0.017766	0.70177	-0.01364	0.76873
0.27296	-0.07861	0.08974	-0.0957	0.03871	-0.06602	0.15433	-0.08187	0.07713
0.92976	0.001876	0.96774	0.065119	0.16004	0.020726	0.65506	0.045312	0.32853
0.1631	0.07261	0.11712	0.033041	0.47627	0.047842	0.30221	0.081111	0.07994
0.56925	-0.07252	0.11758	0.042132	0.36364	0.032704	0.48079	0.000925	0.98409
0.01128	-0.14121	0.00222	-0.10837	0.01916	-0.02942	0.52589	-0.00754	0.87088
0.19767	0.139533	0.00251	0.025865	0.57716	-0.03774	0.41587	0.198568	1.54E-05
0.00906	0.108023	0.01954	-0.00045	0.99232	0.002317	0.96017	0.220279	1.53E-06
0.06452	0.096003	0.03809	-0.00766	0.86895	-0.00744	0.87255	0.190928	3.28E-05
3.92E-09	-0.2379	1.97E-07	-0.07792	0.09257	-0.10155	0.02821	0.216718	2.28E-06
0.79239	0.037122	0.42352	0.064796	0.16212	0.07308	0.11476	0.005801	0.9005
0.28104	0.150564	0.0011	0.242014	1.19E-07	0.119191	0.00994	0.011257	0.8083
0.66894	0.091145	0.04901	0.068381	0.14008	-0.03134	0.4993	0.040714	0.38003
0.5743	0.040164	0.3865	0.058438	0.20747	0.001249	0.97852	0.211172	4.16E-06
0.3937	0.009812	0.83251	0.092384	0.046	0.07671	0.09778	0.103683	0.02505
4.07E-07	0.420526	1.95E-21	0.255414	2.17E-08	0.116225	0.01196	0.145991	0.00156
0.00012	0.03378	0.46646	-0.01358	0.76974	-0.11732	0.01117	0.032012	0.49013
6.88E-10	0.467407	1.01E-26	0.101268	0.02866	0.179297	9.78E-05	0.172696	0.00018
2.58E-10	0.331748	1.85E-13	-0.01233	0.79038	-0.03889	0.40177	0.196638	1.87E-05
4.85E-15	0.434388	6.48E-23	-0.03756	0.41807	0.168993	0.00024	-0.01477	0.75029

0.73534	0.074014	0.11018	0.026965	0.56107	0.007256	0.87573	0.023854	0.60712
1.43E-08	-0.32151	1.09E-12	-0.03713	0.42339	-0.06963	0.13299	0.029846	0.51998
0.00488	0.04061	0.38125	-0.01486	0.74883	-0.08353	0.07133	-0.06235	0.17856
0.92893	0.007349	0.87414	0.067287	0.14655	0.042929	0.35463	0.11439	0.01338
0.658	0.158902	0.00057	0.210716	4.37E-06	0.065672	0.15651	0.100279	0.03026
0.7417	0.003758	0.93545	0.046926	0.31158	0.087041	0.06018	0.005059	0.91317
0.10234	-0.15182	0.001	0.186629	4.95E-05	-0.01811	0.69623	0.055286	0.23308
0.74088	0.031688	0.49453	0.08744	0.05901	0.026385	0.56952	-0.01268	0.78462
0.5685	0.135163	0.00343	0.110019	0.01739	0.134642	0.00356	-0.0299	0.51921
4.12E-07	0.229267	5.50E-07	0.040395	0.38378	0.057542	0.21453	0.086885	0.06064
0.06956	0.216409	2.36E-06	0.055063	0.23498	-0.03077	0.50706	-0.03343	0.47116
0.01487	0.12947	0.00508	0.12646	0.00621	0.092588	0.04552	0.318751	1.73E-12
0.00103	0.198185	1.60E-05	0.110744	0.01666	0.089898	0.05221	0.30358	2.06E-11
0.00163	0.107001	0.02074	0.027164	0.55817	0.116159	0.01201	0.231843	4.06E-07
0.28057	0.025666	0.58009	-0.11615	0.01201	-0.09922	0.03206	0.070715	0.12702
1.16E-06	0.298173	4.82E-11	0.058	0.21091	0.072849	0.11591	0.009221	0.84247
0.0002	-0.03811	0.41125	-0.07614	0.1003	-0.06092	0.18881	0.030103	0.51638
0.00421	0.333241	1.42E-13	0.217818	2.02E-06	0.092803	0.04502	0.006096	0.89548
0.00147	-0.07075	0.12684	0.052241	0.25987	0.033011	0.47667	-0.04047	0.38284
0.74231	0.069651	0.13285	0.051303	0.26854	0.112608	0.0149	-0.17336	0.00017
0.06949	-0.04749	0.30582	0.029823	0.5203	-0.02722	0.55742	-0.08794	0.05757
0.0028	0.221819	1.29E-06	-0.06552	0.1575	0.095706	0.03869	-0.03095	0.50469
0.01553	0.002882	0.95048	-0.04644	0.31659	-0.03203	0.48991	-0.07832	0.09092
0.30487	0.194498	2.31E-05	0.15839	0.00059	0.088997	0.05462	0.015972	0.73065
0.04747	0.051619	0.2656	-0.02252	0.62745	-0.0281	0.54474	0.018957	0.68283
0.05335	0.001555	0.97327	0.012146	0.79349	-0.03159	0.49585	-0.1281	0.00557
0.0026	0.017249	0.71006	-0.01595	0.73098	-0.06802	0.1422	0.1283	0.00549
0.39895	0.23725	2.13E-07	-0.01007	0.82814	-0.01509	0.74496	0.104116	0.02444
1.32E-10	0.281273	6.12E-10	0.004288	0.92636	-0.03409	0.46242	0.275142	1.48E-09
0.49543	0.022132	0.63332	0.109147	0.0183	0.308531	9.33E-12	-0.09629	0.03752
0.00011	0.33552	9.46E-14	0.083904	0.07006	0.219842	1.61E-06	0.105519	0.02257
0.00164	0.269061	3.46E-09	0.167325	0.00028	0.07715	0.09586	0.08891	0.05486
0.01102	0.10047	0.02994	0.100695	0.02957	-0.03505	0.44989	0.1063	0.02159
0.42601	-0.04416	0.34096	0.069262	0.13503	-0.02128	0.64639	-0.01627	0.72591
3.64E-05	0.355387	2.39E-15	0.044034	0.34237	0.166417	0.0003	0.021443	0.64394
0.4422	0.104901	0.02338	0.084795	0.06713	0.031703	0.49432	-0.02498	0.59022
0.88613	0.114182	0.01355	0.142313	0.00205	0.075686	0.10235	0.020935	0.65182
0.00371	-0.24924	4.81E-08	0.044271	0.33977	-0.05582	0.22861	0.049922	0.28166
0.00116	0.175941	0.00013	0.041565	0.37014	0.089425	0.05346	0.081522	0.07842
1.78E-09	0.335713	9.14E-14	0.105405	0.02272	0.027327	0.55582	0.123257	0.00766
0.13073	0.208832	5.34E-06	0.106852	0.02091	0.242108	1.18E-07	0.020906	0.65227
4.72E-05	0.158578	0.00058	0.027774	0.54937	0.144223	0.00178	0.021617	0.64125
8.25E-05	0.187665	4.49E-05	0.079705	0.08533	0.103521	0.02528	0.089489	0.05329
0.00169	-0.17691	0.00012	0.137208	0.00297	0.045202	0.3297	0.014637	0.7524
0.03151	0.213029	3.41E-06	0.081982	0.07675	0.14813	0.00133	0.047282	0.30792

0.86492	0.052933	0.25361	0.110397	0.017	0.161375	0.00046	0.134492	0.00359
0.86416	-0.00524	0.91006	-0.01298	0.77965	-0.02387	0.60682	0.008024	0.8627
0.03259	0.174988	0.00014	-0.02785	0.54828	0.036634	0.42963	0.108112	0.01944
1.05E-09	0.175817	0.00013	-0.11448	0.01331	-0.07247	0.11782	0.086061	0.06313
0.0003	-0.16249	0.00042	-0.00965	0.83528	-0.08472	0.06738	-0.07251	0.11761
0.46927	0.130241	0.00482	0.053299	0.25034	0.022561	0.62676	0.128957	0.00525
0.00513	0.118015	0.0107	0.026408	0.56919	-0.01189	0.79782	0.261098	1.02E-08
0.34765	0.088318	0.0565	0.045109	0.33071	0.073731	0.11156	-0.03216	0.4881
0.04555	-0.0948	0.04059	-0.13595	0.00324	-0.12224	0.00818	0.105856	0.02215
0.0808	0.086937	0.06048	0.023505	0.6124	-0.01151	0.80404	0.018742	0.68624
0.74026	-0.05218	0.26042	0.065383	0.15834	0.02501	0.58982	-0.12668	0.00612
0.84021	0.02441	0.59877	0.046603	0.31493	-0.01965	0.67196	-0.10773	0.01987
0.06449	0.027497	0.55335	0.114226	0.01351	0.035382	0.44559	-0.13782	0.00284
0.44488	0.004418	0.92414	-0.09462	0.04097	0.07089	0.12607	0.108583	0.01892
0.92323	0.084357	0.06856	-0.01345	0.77192	0.043912	0.34371	-0.12644	0.00622
0.69626	0.023398	0.61402	0.043341	0.35003	0.016311	0.72516	-0.01763	0.70392
0.84777	0.000945	0.98374	0.047642	0.30424	0.152534	0.00094	0.003416	0.94132
0.16859	0.152436	0.00095	0.116729	0.01159	0.205879	7.28E-06	0.121284	0.0087
0.00022	0.23025	4.90E-07	0.03525	0.44729	0.075496	0.10322	-0.09884	0.03273
0.01705	0.148327	0.00131	0.32903	2.98E-13	0.144219	0.00178	0.06114	0.18719
0.73418	0.041748	0.36804	0.108097	0.01946	0.008739	0.8506	0.154292	0.00082
0.11395	0.012705	0.78422	0.041486	0.37106	0.046713	0.31378	-0.01839	0.69188
0.76642	0.030009	0.51769	0.037059	0.4243	0.128963	0.00525	0.005452	0.90646
0.4389	0.064066	0.16692	0.051719	0.26467	0.055422	0.23194	0.060764	0.18992
0.41381	-0.00873	0.85075	0.018274	0.69367	0.010324	0.82392	0.099094	0.03228
0.23679	-0.01116	0.80986	-0.0134	0.77267	-0.12163	0.00851	-0.00853	0.85409
0.95602	0.012544	0.78688	0.129753	0.00498	0.071785	0.12135	0.020983	0.65107
0.00037	-0.15968	0.00053	0.061419	0.18518	-0.13297	0.00399	-0.17269	0.00018
0.8942	0.103486	0.02533	-0.09238	0.04602	0.020309	0.66157	-0.00168	0.97109
0.13749	0.105566	0.02252	0.147311	0.00141	0.058287	0.20865	0.086283	0.06245
5.62E-08	0.186456	5.03E-05	-0.02226	0.63142	0.069644	0.13289	-0.03349	0.47036
0.70545	-0.02209	0.634	0.011737	0.8003	-0.0114	0.80587	0.004912	0.91568
0.00273	-0.07222	0.11909	-0.01346	0.77173	0.274529	1.61E-09	-0.01674	0.71823
0.69427	-0.01958	0.67293	-0.00425	0.92707	0.001062	0.98174	-0.03157	0.49615
1.15E-05	-0.27841	9.25E-10	0.156252	0.0007	-0.09036	0.05101	-0.04932	0.28755
0.56322	0.08354	0.07129	0.021754	0.63915	0.054169	0.24268	-0.0549	0.23634
0.05621	0.229033	5.65E-07	0.062689	0.17624	0.146865	0.00146	0.100194	0.0304
0.15068	0.055925	0.22772	-0.0173	0.70924	-0.02397	0.60537	0.12245	0.00807
0.18948	0.188161	4.28E-05	0.15103	0.00106	0.064152	0.16634	0.016084	0.72884
0.44936	0.038945	0.40109	-0.01647	0.72254	0.149206	0.00122	0.025981	0.57545
0.25523	-0.00633	0.89155	-0.13509	0.00345	-0.01348	0.77139	-0.21925	1.72E-06
0.27758	0.115258	0.01269	0.334882	1.06E-13	-0.0322	0.48764	0.102315	0.02704
0.1023	0.015578	0.73706	0.043117	0.35253	0.006692	0.88533	0.048448	0.29613
0.62238	-0.05702	0.21874	0.020777	0.65427	-0.01774	0.70216	0.011814	0.79901
0.51811	0.028384	0.54062	0.135625	0.00332	0.045662	0.3248	-0.00144	0.97529



0.02141	-0.06748	0.14541	-0.12639	0.00624	-0.0034	0.94158	0.040327	0.38458
0.09638	0.152418	0.00095	0.021608	0.64138	0.314882	3.30E-12	0.033804	0.46614
0.57237	-0.07329	0.11372	-0.10958	0.01785	-0.0094	0.83942	-0.22499	9.01E-07
0.02452	0.11167	0.01577	0.084621	0.06769	0.039434	0.3952	-0.07774	0.09334
0.42325	-0.01147	0.80475	-0.0132	0.77606	0.121434	0.00862	0.04128	0.37343
0.96791	0.009712	0.83421	0.015451	0.73911	0.060943	0.18862	0.202572	1.03E-05
4.15E-08	-0.27143	2.49E-09	-0.00465	0.92016	-0.0299	0.51927	0.034444	0.45774
6.14E-08	-0.30679	1.23E-11	0.032532	0.4831	-0.03448	0.45726	-0.07934	0.08679
0.30822	-0.09706	0.03601	0.035245	0.44734	0.004506	0.92263	-0.02339	0.61411
0.62437	-0.01226	0.79167	0.052394	0.25848	0.011008	0.81246	-0.06029	0.19342
0.37204	0.079407	0.08651	0.063239	0.17247	0.085886	0.06367	-0.03179	0.49319
0.34606	-0.02593	0.57615	0.155351	0.00076	0.000246	0.99578	-0.00961	0.83599
0.75361	0.008841	0.84887	0.139288	0.00256	0.069073	0.1361	0.043273	0.35079
0.9057	0.064678	0.16289	0.111417	0.01601	0.039736	0.39159	-0.01932	0.67713
5.53E-05	0.269578	3.22E-09	0.260911	1.05E-08	0.034082	0.46249	0.042086	0.36416
0.50291	0.014729	0.75089	0.035465	0.44452	-0.04204	0.36471	0.169681	0.00023
0.9005	-0.02589	0.57674	0.126328	0.00626	0.021687	0.64016	0.184723	5.92E-05
0.32897	0.086015	0.06327	0.134375	0.00362	0.041812	0.3673	0.130904	0.0046
0.41784	-0.06107	0.1877	0.029261	0.52819	-0.00147	0.97476	-0.06939	0.13428
0.16147	-0.05511	0.23457	0.044176	0.34082	-0.00148	0.97461	0.017355	0.70835
0.00783	-0.03	0.5178	0.130429	0.00476	0.059936	0.19604	-0.06806	0.14198
3.75E-06	0.139921	0.00244	0.080518	0.08218	0.205199	7.82E-06	0.13287	0.00402
0.64192	0.001685	0.97103	-0.05786	0.21203	0.023548	0.61175	-0.10005	0.03064
0.03031	0.278038	9.76E-10	0.056821	0.22035	0.121785	0.00842	0.133413	0.00387
0.26419	0.237396	2.09E-07	-0.02548	0.58284	0.001542	0.97349	-0.11283	0.01471
0.13673	0.098363	0.03358	0.011165	0.80983	0.009011	0.846	-0.00527	0.9096
0.68585	-0.0612	0.18675	0.008272	0.8585	-0.01289	0.78115	-0.13064	0.00469
0.35567	-0.00957	0.83664	0.011601	0.80257	0.001398	0.97595	0.056999	0.2189
0.00513	0.079126	0.08763	-0.03478	0.45334	-0.04208	0.36422	-0.01515	0.74397
0.03339	-0.0924	0.04598	-0.2327	3.67E-07	-0.05337	0.24972	0.004441	0.92375
0.00022	0.226745	7.36E-07	0.092935	0.04472	0.034183	0.46116	-0.22862	5.93E-07
2.63E-09	-0.25269	3.09E-08	-0.08119	0.07966	-0.07225	0.11895	-0.19927	1.44E-05
0.23575	0.108501	0.01901	0.117777	0.01086	0.056285	0.22474	0.103729	0.02498
0.11624	0.109208	0.01824	0.280742	6.61E-10	0.088431	0.05618	0.100747	0.02949
0.09102	-0.12105	0.00883	-0.09259	0.04551	0.110253	0.01715	-0.05122	0.26936
0.2353	-0.04224	0.36243	-0.08111	0.07996	-0.04216	0.36337	-0.04237	0.36095
0.66043	-0.14472	0.00171	0.012108	0.79412	-0.06301	0.17406	0.092326	0.04614
0.58752	-0.02062	0.65677	0.305751	1.46E-11	0.080642	0.08171	0.043617	0.34696
1.36E-06	-0.3207	1.25E-12	-0.17263	0.00018	-0.09809	0.03407	-0.03506	0.44979
0.001	0.141328	0.0022	-0.10375	0.02496	0.007597	0.86994	0.030516	0.51064
0.92828	0.009701	0.83438	0.013272	0.77484	0.076257	0.09978	0.015684	0.73533
0.20033	-0.12352	0.00753	-0.03208	0.48922	-0.04347	0.34864	-0.01215	0.79342
0.00348	-0.07994	0.0844	0.019834	0.66901	0.100583	0.02976	0.123294	0.00764
0.99068	-0.05163	0.26553	-0.00069	0.98813	-0.02309	0.61875	0.064457	0.16433
0.69698	-0.00164	0.97174	0.077866	0.09281	0.050089	0.28004	-0.20418	8.69E-06

0.00079	0.153426	0.00088	-0.04005	0.38785	-0.02743	0.55432	0.39649	4.96E-19
0.0015	-0.20503	7.95E-06	-0.03339	0.47165	-0.022	0.63528	0.159466	0.00054
0.00907	0.117132	0.0113	0.007445	0.87251	-0.00079	0.98639	0.1944	2.34E-05
0.19168	-0.0341	0.46226	0.07068	0.1272	-0.03068	0.50836	0.262871	8.06E-09
0.94542	-0.03694	0.42582	-0.01457	0.75358	-0.02927	0.528	-0.02871	0.53597
0.00015	0.146275	0.00153	0.050342	0.27763	0.030955	0.50457	0.303189	2.19E-11
0.02093	0.101418	0.02842	-1.45E-05	0.99975	-0.01519	0.74338	0.177106	0.00012
0.67217	-0.05451	0.23975	0.00012	0.99794	0.026808	0.56334	0.203687	9.14E-06
0.27072	-0.12848	0.00543	0.026539	0.56727	-0.02709	0.55929	-0.05669	0.22145
0.041	-0.03076	0.50723	-0.10918	0.01827	-0.00286	0.95091	0.077139	0.09591
1.72E-09	0.22107	1.40E-06	0.032692	0.48095	0.022462	0.62827	0.169294	0.00024
2.64E-06	0.218546	1.86E-06	0.082007	0.07666	0.140345	0.00237	0.024064	0.60396
0.63946	-0.05813	0.20985	0.016255	0.72607	-0.00311	0.94663	0.046723	0.31368
1.79E-06	0.136688	0.00308	0.088176	0.0569	0.022385	0.62945	-0.10951	0.01792
0.79878	-0.02002	0.66608	0.060248	0.19372	0.119866	0.00952	0.160457	0.0005
0.67192	0.035441	0.44482	0.200837	1.22E-05	0.062825	0.1753	0.039057	0.39974
0.60153	0.076952	0.09672	0.262205	8.82E-09	0.138572	0.00269	0.035004	0.45046
0.22052	0.066217	0.15309	0.046238	0.31874	0.06442	0.16458	-0.01468	0.75166
0.09271	-0.08792	0.05762	0.269672	3.18E-09	0.07845	0.09038	0.050927	0.27207
0.81852	-0.00579	0.9007	0.258761	1.40E-08	0.01449	0.75481	0.03156	0.49628
0.01644	-0.10589	0.02211	-0.1129	0.01464	-0.08957	0.05307	0.047164	0.30912
0.14621	-0.0312	0.50125	0.175469	0.00014	-0.02064	0.65636	0.051599	0.26578
0.06867	0.156153	0.00071	0.118682	0.01026	0.229521	5.34E-07	0.032556	0.48277
0.04732	0.074013	0.11019	-0.03255	0.4829	0.078253	0.0912	-0.05857	0.20643
0.15516	0.140731	0.0023	0.011983	0.79619	0.071485	0.12292	0.124979	0.00685
0.10397	-0.06845	0.13968	0.033994	0.46364	0.061109	0.18742	-0.03239	0.48497
0.06549	0.023523	0.61212	-0.07766	0.0937	-0.05382	0.24569	0.048765	0.29297
5.35E-11	0.298535	4.55E-11	0.148241	0.00131	0.118136	0.01062	0.219718	1.63E-06
0.01702	0.237139	2.16E-07	0.277204	1.10E-09	0.137032	0.003	0.084456	0.06823
0.00354	0.123676	0.00746	-0.04143	0.37175	-0.01241	0.78903	0.000536	0.99079
0.01278	0.278846	8.69E-10	0.139653	0.00249	0.165858	0.00032	0.046823	0.31264
0.34171	0.202762	1.01E-05	0.067455	0.14554	0.060933	0.18869	-0.01239	0.7894
0.17089	0.21365	3.18E-06	0.035562	0.44326	0.077438	0.09463	-0.04509	0.33092
0.02264	0.249441	4.69E-08	0.045803	0.32331	0.116199	0.01198	-0.04518	0.3299
0.09786	0.204536	8.37E-06	0.040566	0.38177	0.069479	0.13381	-0.06371	0.16926
0.04899	0.125182	0.00676	0.016572	0.72095	0.037896	0.4139	0.010324	0.82392
0.72722	-0.04551	0.32638	-0.00258	0.95559	0.03034	0.51308	0.04877	0.29292
0.6102	-0.02696	0.56113	-0.03854	0.406	-0.04717	0.30904	0.023001	0.62004
0.18415	0.039447	0.39504	-0.11205	0.01541	-0.0301	0.51639	0.03535	0.44599
0.02352	0.147001	0.00144	-0.04079	0.37919	0.023681	0.60974	0.074235	0.10912
0.85205	-0.03635	0.43327	0.131477	0.00443	-0.03963	0.39288	-0.05962	0.19839
0.78855	-0.08973	0.05266	0.158339	0.00059	-0.0378	0.41515	-0.05171	0.26479
0.12263	0.077955	0.09244	0.206012	7.18E-06	0.017079	0.71278	0.004687	0.91955
0.21042	0.043645	0.34666	0.121022	0.00885	-0.01052	0.82058	-0.02431	0.60023
0.4801	0.096178	0.03774	0.142851	0.00197	-0.05133	0.26827	-0.02011	0.66467

0.86913	-0.00297	0.94888	0.194156	2.39E-05	-0.03075	0.50734	-0.13079	0.00464
0.9346	-0.01932	0.67715	0.248677	5.17E-08	-0.01994	0.66727	-0.11815	0.01061
0.83137	-0.05313	0.25183	0.16156	0.00046	-0.02859	0.53768	-0.05039	0.27718
0.31721	0.096572	0.03696	0.211643	3.95E-06	0.016424	0.72334	0.017614	0.7042
0.01511	0.163915	0.00038	0.300298	3.46E-11	0.042589	0.35846	0.065261	0.15912
2.96E-07	-0.29588	6.86E-11	-0.06904	0.13632	-0.01989	0.66805	-0.06495	0.16115
0.38358	0.069425	0.13411	0.062052	0.18068	0.097246	0.03565	-0.00538	0.90775
0.07879	-0.03539	0.44554	-0.00799	0.86326	-0.02198	0.6356	-0.03415	0.46159
0.73833	0.010815	0.81569	-0.08487	0.06689	-0.06419	0.16607	0.025359	0.58463
0.47199	-0.05827	0.20882	0.038534	0.40608	0.043805	0.34489	0.061818	0.18233
2.29E-13	-0.38715	3.79E-18	-0.1584	0.00059	-0.1639	0.00038	-0.22351	1.07E-06
0.00044	-0.22498	9.02E-07	-0.17272	0.00018	-0.05749	0.21491	-0.19849	1.55E-05
1.84E-06	0.291013	1.44E-10	0.195092	2.18E-05	-0.01169	0.80115	0.036882	0.42652
0.87775	0.053944	0.24464	0.045305	0.32861	-0.06491	0.16141	-0.07781	0.09303
3.82E-08	0.386031	4.81E-18	0.100821	0.02937	0.087132	0.05991	0.10848	0.01903
0.4089	0.082924	0.07341	-0.0053	0.90899	0.0241	0.60342	-0.00942	0.83917
0.45693	0.122689	0.00795	-0.07792	0.09257	0.017138	0.71184	0.022288	0.63094
0.29746	0.082516	0.07484	0.100221	0.03035	0.038879	0.40189	-0.00881	0.84942
0.00501	0.167912	0.00027	0.091627	0.04782	0.104327	0.02416	0.187183	4.70E-05
0.07696	-0.14994	0.00115	-0.08322	0.07237	-0.05611	0.22615	-0.12839	0.00546
0.3948	-0.17596	0.00013	-0.13051	0.00473	-0.11315	0.01443	-0.04211	0.36391
0.81306	-0.05263	0.2563	-0.02022	0.66291	-0.00553	0.90508	-0.02471	0.59426
0.01324	0.056403	0.22376	0.03839	0.40785	0.076721	0.09773	-0.02595	0.5759
0.55256	0.037529	0.41845	0.10148	0.02832	0.126653	0.00613	-0.00657	0.88739
0.00221	0.149304	0.00121	0.15324	0.00089	0.133199	0.00393	0.109188	0.01826
0.21403	-0.01435	0.75709	0.017302	0.7092	-0.08105	0.08016	0.086845	0.06076
0.00393	-0.21734	2.13E-06	-0.12947	0.00508	-0.13532	0.00339	-0.09951	0.03156
0.00089	-0.1813	8.14E-05	-0.03198	0.49051	0.018268	0.69376	0.021755	0.63913
0.9497	-0.01095	0.81343	0.086604	0.06148	0.013822	0.76578	-0.0578	0.21251
0.00151	-0.23332	3.41E-07	-0.0039	0.93308	0.13629	0.00317	-0.0409	0.37784
0.30739	-0.0203	0.66176	0.063588	0.17011	0.073562	0.11238	0.001329	0.97715
0.00257	0.077459	0.09454	-0.02658	0.56665	0.036998	0.42507	0.004978	0.91456
0.01282	-0.26106	1.03E-08	-0.03098	0.50425	-0.0348	0.45314	-0.04332	0.35026
0.11438	0.105708	0.02233	-0.00671	0.88498	0.073018	0.11507	0.033907	0.4648
0.26256	-0.01321	0.77585	0.090667	0.05022	0.007787	0.86672	-0.07466	0.1071
0.57244	0.080095	0.08381	-0.0055	0.9056	-0.02186	0.63753	-0.02844	0.53986
0.96929	0.037707	0.41624	-0.00625	0.89289	-0.02048	0.65887	-0.06343	0.1712
0.78303	0.014036	0.76226	0.166588	0.0003	-0.02422	0.60163	0.047111	0.30967
3.68E-05	0.106382	0.02149	0.125385	0.00667	0.051245	0.26908	0.219542	1.67E-06
0.55592	-0.03335	0.47216	0.119839	0.00954	-0.11648	0.01177	-0.06378	0.16881
0.11319	0.001354	0.97672	0.153428	0.00088	0.009858	0.83174	0.153671	0.00086
0.02531	-0.02901	0.5318	0.160955	0.00048	0.177982	0.00011	0.045293	0.32873
1.09E-06	0.165848	0.00032	0.071671	0.12194	-0.11975	0.00959	0.055938	0.22761
0.63467	0.01079	0.81611	0.026404	0.56925	0.024681	0.59471	0.044513	0.33714
0.70894	-0.01465	0.75214	0.06158	0.18403	0.053686	0.24691	0.068453	0.13966

0.71907	-0.06359	0.17008	0.085977	0.06339	-0.00326	0.94406	-0.03607	0.43678
0.00051	0.30123	2.99E-11	0.133578	0.00383	0.106418	0.02144	0.149784	0.00117
0.25035	0.126598	0.00615	0.00639	0.89047	-0.03981	0.39069	0.029621	0.52313
0.0621	0.0993	0.03192	0.087854	0.05781	0.087316	0.05937	0.131804	0.00433
0.51682	-0.0022	0.96225	0.140844	0.00228	0.051356	0.26805	0.09651	0.03708
0.55067	0.1738	0.00016	0.016418	0.72343	0.02297	0.62051	0.019901	0.66796
0.09067	0.068032	0.14212	0.015239	0.74256	0.03293	0.47776	0.079148	0.08754
0.67497	-0.03632	0.43359	0.080876	0.08082	0.102547	0.02669	0.263859	7.05E-09
0.9247	-0.02707	0.55957	-0.08017	0.08353	0.04941	0.28662	-0.03033	0.51327
0.47627	0.063227	0.17255	0.055731	0.22934	0.086238	0.06259	0.070577	0.12776
0.31934	-0.01049	0.82111	0.052643	0.25622	-0.02707	0.55951	-0.24979	4.49E-08
0.00532	0.108381	0.01914	0.107633	0.01999	0.064121	0.16655	-0.0065	0.88863
0.20277	0.03017	0.51545	0.04299	0.35395	0.086946	0.06046	0.208868	5.32E-06
0.21685	-0.05131	0.26847	0.012837	0.78203	0.002475	0.95745	0.037233	0.42213
0.86396	-0.00458	0.92138	-0.05631	0.22453	0.001545	0.97343	-0.05764	0.21377
2.00E-05	0.247144	6.28E-08	0.197897	1.65E-05	0.094657	0.04089	0.158351	0.00059
0.01916	0.072633	0.117	0.069901	0.13146	-0.01433	0.75742	0.132312	0.00418
0.0844	0.153684	0.00086	0.07472	0.10682	0.114006	0.0137	0.066891	0.14894
8.98E-08	0.252991	2.97E-08	0.058425	0.20758	-0.0304	0.51228	0.074365	0.10851
2.32E-10	-0.344	2.03E-14	-0.17139	0.0002	-0.05208	0.26135	-0.15314	0.0009
0.00933	0.073288	0.11373	-0.08128	0.0793	0.008397	0.85638	-0.15748	0.00064
8.76E-05	-0.23415	3.09E-07	-0.0841	0.06942	-0.02745	0.55407	-0.20179	1.11E-05
0.01494	0.154283	0.00082	-0.10697	0.02078	-0.067	0.14827	-0.11259	0.01492
0.36524	0.069751	0.13229	0.015682	0.73537	-0.00781	0.86631	0.042822	0.35583
0.27876	-0.04885	0.29213	-0.02019	0.6634	0.000861	0.98519	-0.12291	0.00784
0.34364	-0.09543	0.03926	-0.07164	0.12213	-0.09411	0.04208	-0.01053	0.82051
0.05688	-0.08417	0.06918	0.002671	0.95409	-0.08841	0.05623	0.006803	0.88343
2.38E-09	-0.25252	3.16E-08	-0.17261	0.00018	-0.11173	0.01571	0.00746	0.87227
0.38505	0.022724	0.62426	0.027961	0.54668	0.003877	0.9334	-0.00209	0.96399
0.00014	-0.1383	0.00274	0.012446	0.7885	0.014567	0.75354	0.030748	0.50743
0.54951	0.092113	0.04665	0.101136	0.02886	0.058275	0.20875	0.106123	0.02181
0.16429	0.12789	0.00565	0.05963	0.19833	0.058543	0.20665	0.102841	0.02626
0.01467	0.149585	0.00119	0.011022	0.81222	-0.04216	0.36329	0.091164	0.04897
0.01291	0.146627	0.00149	-0.05506	0.23501	0.060342	0.19302	-0.02734	0.5557
9.88E-05	0.295984	6.76E-11	0.030364	0.51275	-0.03427	0.45999	0.067444	0.14561
0.00096	0.290007	1.68E-10	0.06509	0.16022	0.249436	4.70E-08	0.041348	0.37265
0.05633	-0.14962	0.00118	-0.04374	0.34555	-0.03337	0.47185	-0.01799	0.69827
0.00012	0.269853	3.10E-09	0.234002	3.15E-07	0.084418	0.06836	0.198467	1.56E-05
0.00245	-0.01877	0.68582	0.045829	0.32304	-0.00096	0.98346	0.027732	0.54998
0.09833	-0.05324	0.25087	0.013026	0.7789	-0.00199	0.96576	0.008997	0.84625
0.03596	0.227812	6.51E-07	-0.05047	0.27638	0.079271	0.08705	0.032604	0.48213
0.31083	-0.00423	0.92731	-0.12323	0.00767	0.049037	0.29029	-0.07444	0.10814
0.5517	-0.04725	0.30826	-0.00979	0.83281	0.028886	0.53348	0.017146	0.7117
0.24578	-0.0546	0.23894	0.029679	0.52231	0.008752	0.85039	0.007126	0.87794
0.0739	-0.10233	0.02701	-0.00405	0.93044	0.006112	0.8952	-0.02962	0.52316

0.92666	0.011547	0.80346	0.009241	0.84212	0.01356	0.77008	-0.04732	0.30755
0.25881	0.210794	4.33E-06	0.076388	0.0992	0.173314	0.00017	0.013245	0.77528
2.07E-05	0.298922	4.29E-11	0.041847	0.36691	0.045054	0.33129	0.049834	0.28251
0.00012	0.247958	5.67E-08	0.062081	0.18048	0.025743	0.57895	0.060301	0.19332
0.09558	0.206986	6.48E-06	0.082212	0.07592	0.073492	0.11273	0.079621	0.08566
3.59E-05	-0.17494	0.00014	0.012422	0.78891	-0.05262	0.2564	0.037051	0.4244
0.10357	0.163328	0.00039	0.041077	0.3758	0.092523	0.04568	0.183446	6.68E-05
4.64E-12	0.2815	5.92E-10	-0.00016	0.99729	-0.05199	0.26217	0.162442	0.00042
0.96715	0.05584	0.22843	0.024474	0.59781	-0.02326	0.61606	-0.15922	0.00055
0.00134	0.170944	0.00021	0.029165	0.52954	0.002659	0.9543	0.129018	0.00523
0.00026	0.225812	8.20E-07	0.169763	0.00023	0.031402	0.49843	0.152972	0.00091
0.08392	0.153766	0.00086	0.006736	0.88457	0.07044	0.1285	0.048319	0.29742
0.78964	-0.02859	0.53766	0.019131	0.68008	0.026608	0.56626	0.050333	0.27771
1.75E-05	-0.217	2.21E-06	0.010186	0.82623	0.210591	4.43E-06	-0.09782	0.03458
0.00175	-0.15357	0.00087	-0.02953	0.52439	-0.06337	0.17157	-0.01085	0.81515
0.02138	-0.05794	0.21137	-0.07676	0.09757	-0.09025	0.05129	-0.06824	0.14092
0.00079	0.037799	0.41511	0.182944	6.99E-05	-0.03443	0.45793	0.067707	0.14404
2.79E-08	-0.31465	3.43E-12	0.022978	0.6204	-0.08791	0.05765	-0.18486	5.85E-05
0.68532	-0.10215	0.02729	0.066077	0.15396	-0.07956	0.08591	-0.01527	0.74199
0.91986	0.090657	0.05024	0.073933	0.11058	0.058398	0.20779	0.122692	0.00795
0.00321	-0.2195	1.67E-06	0.002999	0.94846	-0.07767	0.09366	0.013475	0.77149
0.4204	0.007168	0.87723	-0.00739	0.8735	-0.0035	0.93984	0.145908	0.00157
0.96364	0.10765	0.01997	0.161899	0.00044	-0.04239	0.36069	-0.02567	0.58006
0.6089	-0.02097	0.65133	0.263449	7.45E-09	0.024204	0.60185	-0.02175	0.63921
0.02444	-0.03616	0.43559	0.103266	0.02564	0.031227	0.50083	0.143865	0.00183
0.46946	0.181735	7.82E-05	0.150449	0.00111	0.02111	0.64909	-0.05197	0.26241
0.23082	0.090961	0.04947	0.035164	0.44839	0.031622	0.49543	0.059013	0.20303
0.36306	0.05193	0.26273	0.144058	0.0018	0.001985	0.96587	-0.04251	0.35939
0.76822	0.032414	0.48469	0.036657	0.42935	0.046747	0.31343	0.017566	0.70498
0.82391	0.106475	0.02137	0.038451	0.40709	0.05205	0.26162	-0.00461	0.92093
0.1924	0.082078	0.0764	-0.00175	0.9699	0.019879	0.6683	0.101355	0.02852
0.00018	0.185032	5.75E-05	0.031013	0.50377	-0.05914	0.20206	0.066153	0.15349
0.10632	0.149329	0.00121	0.085625	0.06449	0.046527	0.31571	0.116002	0.01212
0.01567	0.209356	5.05E-06	0.092357	0.04607	0.053061	0.25246	0.087915	0.05764
3.29E-05	0.323038	8.37E-13	0.10928	0.01816	0.047297	0.30776	-0.14821	0.00132
0.03031	-0.09944	0.03167	0.067748	0.1438	-0.08403	0.06965	-0.06104	0.18791
0.05585	0.167228	0.00028	-0.05025	0.27855	0.043911	0.34373	0.032283	0.48645
0.00356	0.212007	3.80E-06	0.039939	0.38918	-0.02147	0.64346	-0.14648	0.0015
0.15685	0.217077	2.19E-06	-0.03927	0.39719	0.078521	0.09009	-0.06758	0.14479
0.55513	-0.02213	0.63339	0.100163	0.03045	-0.06086	0.18919	0.004003	0.93126
0.16372	0.198242	1.59E-05	0.042935	0.35457	0.062286	0.17904	0.101016	0.02906
0.16616	0.045865	0.32265	-0.00156	0.97323	-0.0267	0.56492	-0.03392	0.46455
0.00033	-0.21717	2.17E-06	-0.02724	0.55705	-0.01494	0.74741	-0.09189	0.04718
0.07859	0.146912	0.00145	-0.03644	0.43204	-0.06854	0.13914	-0.10597	0.022
0.02838	-0.03145	0.4978	-0.07473	0.10678	-0.08197	0.07678	-0.02717	0.55807

5.38E-16	-0.38769	3.37E-18	-0.06862	0.13871	-0.06532	0.15872	-0.21655	2.32E-06
0.26572	0.174719	0.00015	-0.06027	0.19359	0.045373	0.32788	-0.02547	0.58306
0.93014	0.057534	0.2146	0.071142	0.12473	0.022982	0.62033	-0.01177	0.79966
0.76855	0.120037	0.00942	0.051401	0.26763	0.039028	0.40009	-0.00198	0.96596
0.48847	0.028036	0.54561	-0.02054	0.65789	0.001852	0.96816	-0.03969	0.39218
0.71737	-0.02689	0.56212	-0.02945	0.52553	-0.02032	0.66139	-0.00394	0.93235
0.47062	0.032981	0.47708	0.149869	0.00116	0.062564	0.17711	0.013971	0.76332
0.36507	0.064634	0.16317	0.297043	5.74E-11	0.073959	0.11045	0.056494	0.22302
0.8488	0.051114	0.27031	0.080323	0.08293	0.075133	0.10489	0.02779	0.54914
0.00174	-0.19125	3.18E-05	-0.0872	0.05971	-0.10604	0.02192	-0.19553	2.09E-05
0.07056	-0.04377	0.34531	-0.13695	0.00302	0.047278	0.30795	-0.02957	0.5239
0.41252	0.078406	0.09056	0.06112	0.18734	0.051561	0.26614	0.013199	0.77604
0.01032	0.272061	2.28E-09	0.20819	5.71E-06	0.044977	0.33213	0.002877	0.95055
0.75725	-0.02977	0.52098	0.02149	0.64322	0.055712	0.2295	0.044283	0.33964
0.0338	-0.07588	0.10148	-0.1595	0.00054	-0.00879	0.84969	-0.12684	0.00606
4.08E-07	0.249488	4.66E-08	0.092207	0.04643	-0.01945	0.67512	0.095814	0.03847
0.01613	0.165805	0.00032	0.137065	0.003	0.082541	0.07475	0.156543	0.00069
0.21651	0.077931	0.09254	0.193375	2.58E-05	-0.00219	0.96239	0.029282	0.52789
0.26939	-0.00508	0.91277	0.356018	2.11E-15	0.02396	0.60552	-0.00156	0.97314
0.02277	-0.00912	0.84423	-0.01405	0.76202	0.108413	0.01911	0.021417	0.64434
0.00086	-0.11663	0.01166	0.000146	0.99749	-0.05323	0.25092	0.046892	0.31193
0.67097	0.033467	0.4706	0.066019	0.15432	0.075325	0.104	-0.05636	0.22411
0.17608	-0.00627	0.89248	0.04784	0.30224	0.073625	0.11207	0.062128	0.18015
0.65191	0.00867	0.85177	-0.0449	0.33292	-0.0303	0.51362	-0.06819	0.14121
0.19869	0.129281	0.00514	0.021733	0.63946	0.07415	0.10953	-0.02137	0.64502
0.51025	0.184659	5.96E-05	0.173207	0.00017	0.033454	0.47078	-0.12621	0.00631
0.01529	0.117937	0.01075	0.071286	0.12397	-0.06045	0.19221	-0.06802	0.14216
0.48843	0.116269	0.01192	0.03391	0.46475	0.019196	0.67905	-0.10781	0.01979
0.0194	-0.09787	0.03448	0.040192	0.38617	0.024179	0.60223	-0.04694	0.31144
0.07989	-0.01472	0.75108	0.095731	0.03864	0.032293	0.48632	-0.00102	0.98244
0.36081	0.003973	0.93175	0.061698	0.18319	0.028663	0.53666	0.020305	0.66163
0.06065	0.156847	0.00067	0.010068	0.82821	0.071353	0.12362	0.044342	0.339
2.62E-09	-0.23297	3.56E-07	-0.09441	0.04141	-0.11525	0.0127	-0.14079	0.00229
0.58862	0.029146	0.52981	-0.12213	0.00824	0.005499	0.90565	-0.15	0.00115
1.22E-05	0.172862	0.00017	-0.05574	0.22923	-0.07558	0.10282	0.225674	8.33E-07
0.9247	-0.04937	0.28699	-0.01937	0.67636	-0.0196	0.67271	-0.02334	0.61493
0.29065	-0.03842	0.40752	0.063526	0.17053	0.055158	0.23417	-0.01905	0.68143
0.00178	-0.15781	0.00062	0.037406	0.41997	0.020987	0.651	-0.06953	0.13352
0.00571	-0.06665	0.1504	0.054844	0.23685	0.0026	0.95531	-0.0486	0.2946
0.72441	-0.02452	0.59709	0.014559	0.75367	-0.07781	0.09303	0.041382	0.37226
0.07479	0.253671	2.72E-08	0.19943	1.41E-05	0.165118	0.00034	0.105042	0.0232
0.08524	-0.1342	0.00367	-0.15075	0.00108	-0.02835	0.54114	-0.1707	0.00021
0.83243	-0.01811	0.69625	-0.00338	0.94189	-0.04937	0.28704	0.084844	0.06697
0.47034	0.08852	0.05593	0.098814	0.03277	0.086886	0.06064	0.088222	0.05677
2.91E-05	0.287656	2.39E-10	0.032239	0.48705	0.154735	0.00079	0.149436	0.0012

0.0029	-0.08039	0.08265	0.047822	0.30241	-0.04105	0.37615	-0.1099	0.01752
0.02701	0.198922	1.49E-05	0.145732	0.00159	0.157753	0.00062	-0.00254	0.95633
0.07978	0.093768	0.04283	0.140089	0.00241	0.032801	0.47949	-0.01218	0.79295
6.97E-08	0.355954	2.14E-15	-0.04151	0.37079	-0.01871	0.68677	-0.06398	0.16749
0.38346	-0.0314	0.49842	-0.06606	0.15406	0.071923	0.12064	-0.05386	0.24541
2.44E-17	0.36444	4.09E-16	0.242525	1.12E-07	0.088106	0.05709	0.048113	0.29948
0.01635	0.147295	0.00141	0.196458	1.90E-05	0.001851	0.96817	0.080342	0.08285
0.13224	0.098794	0.0328	-0.07146	0.12306	-0.02778	0.54933	-0.12999	0.0049
0.00908	-0.10182	0.0278	-0.06158	0.18406	-0.08696	0.06043	-0.16462	0.00035
0.59466	0.109862	0.01755	-0.00036	0.99378	0.040619	0.38114	0.276149	1.28E-09
0.00098	0.241689	1.24E-07	0.039642	0.39271	0.095929	0.03824	0.128405	0.00545
1.30E-05	0.220188	1.55E-06	0.00444	0.92376	0.016102	0.72855	0.052689	0.2558
0.02683	-0.01967	0.67164	-0.11287	0.01467	-0.03596	0.43817	-0.00516	0.9114
0.0564	0.039309	0.39671	-0.01732	0.70889	0.019663	0.67169	-0.00407	0.93008
0.00015	-0.25441	2.47E-08	-0.0859	0.06363	0.009336	0.84054	0.045496	0.32657
0.00134	0.28438	3.88E-10	0.102482	0.02679	0.04237	0.36094	0.124875	0.00689
0.01113	0.121023	0.00885	0.16651	0.0003	0.017043	0.71337	-0.10655	0.02128
0.32113	0.026911	0.56184	0.196366	1.92E-05	-0.0265	0.56788	-0.00975	0.8336
0.14885	0.16963	0.00023	0.118836	0.01016	0.342156	2.85E-14	0.031888	0.49182
0.33404	0.097934	0.03436	0.022614	0.62594	0.010033	0.8288	0.046022	0.321
0.61974	0.276203	1.27E-09	0.186962	4.80E-05	0.214761	2.82E-06	-0.10655	0.02128
0.00336	0.256191	1.96E-08	0.087996	0.05741	0.240899	1.37E-07	0.032628	0.48182
0.00469	0.088412	0.05623	-0.04054	0.38206	0.006802	0.88345	0.070296	0.12929
0.86841	0.0598	0.19706	0.135128	0.00344	-0.01694	0.71505	-0.0319	0.49169
0.38136	-0.0447	0.33512	0.016974	0.71447	0.071147	0.1247	-0.03113	0.50216
0.91605	0.093486	0.04346	0.031922	0.49135	0.016685	0.71913	-0.08182	0.07733
0.99297	0.034565	0.45617	0.067811	0.14343	0.082076	0.07641	0.059462	0.19961
0.6644	0.216301	2.38E-06	0.071137	0.12476	0.06655	0.15103	-0.05774	0.21297
0.07823	0.208274	5.66E-06	0.132243	0.0042	0.160837	0.00048	0.067553	0.14495
0.28821	0.223483	1.07E-06	0.066374	0.15212	0.076379	0.09924	-0.09966	0.0313
0.08003	0.12196	0.00833	0.020887	0.65256	0.034496	0.45707	0.144721	0.00172
0.0098	-0.06919	0.13541	0.165998	0.00031	-0.02731	0.55606	-0.05942	0.19993
0.22174	0.254068	2.59E-08	0.051274	0.26882	0.047693	0.30372	-0.0742	0.10927
0.00347	-0.08409	0.06943	0.116913	0.01146	0.019264	0.67798	0.107699	0.01992
0.56167	-0.07545	0.10343	0.003893	0.93314	-0.00405	0.9304	0.081719	0.0777
0.00932	0.24875	5.12E-08	0.054954	0.23591	0.019184	0.67925	0.186781	4.88E-05
0.0562	-0.09505	0.04005	0.134585	0.00357	0.035658	0.44204	0.012226	0.79216
0.0195	0.149441	0.0012	0.060665	0.19065	0.039667	0.39241	0.098775	0.03284
0.09276	0.130168	0.00484	0.039442	0.39511	0.143488	0.00188	0.052577	0.25682
0.13635	0.209069	5.20E-06	0.111327	0.01609	0.171122	0.0002	-0.01138	0.80619
0.34054	0.033514	0.46998	-0.00041	0.99293	0.03454	0.45649	-0.05597	0.22731
0.03723	0.013849	0.76532	-0.19054	3.40E-05	-0.1881	4.30E-05	0.071938	0.12056
0.65142	0.05792	0.21154	0.167789	0.00027	0.049556	0.28521	0.141106	0.00224
0.36875	-0.00832	0.85771	-0.04912	0.28952	-0.07677	0.0975	-0.07879	0.08899
0.64939	0.052007	0.26202	0.02897	0.5323	-0.00024	0.99592	-0.00877	0.85005

0.18671	0.00519	0.91094	0.044345	0.33897	0.100982	0.02911	-0.08561	0.06452
4.27E-05	0.152239	0.00097	0.087571	0.05863	0.065434	0.15802	0.166184	0.00031
7.69E-05	0.256043	2.00E-08	0.034045	0.46298	-0.0054	0.90731	0.063146	0.1731
0.29105	0.088654	0.05556	-0.01845	0.69079	-0.08781	0.05794	0.024494	0.59752
0.00196	-0.14449	0.00175	0.043755	0.34544	0.000216	0.99628	-0.01974	0.67056
0.00429	0.273452	1.87E-09	0.046165	0.3195	0.026145	0.57303	0.034359	0.45885
0.11413	0.191946	2.97E-05	0.051114	0.27031	0.096461	0.03718	-0.10012	0.03053
0.32895	0.016463	0.72271	0.017498	0.70606	0.074118	0.10968	0.088783	0.0552
2.78E-11	-0.37132	1.03E-16	0.009712	0.8342	-0.15863	0.00058	-0.09088	0.04968
3.61E-05	-0.18693	4.81E-05	0.038701	0.40405	-0.13548	0.00335	-0.15532	0.00076
0.45337	0.043237	0.35118	0.191556	3.08E-05	0.034862	0.4523	0.110496	0.01691
8.40E-11	0.371843	9.25E-17	0.107007	0.02073	0.037305	0.42123	0.197081	1.79E-05
0.22034	0.058881	0.20404	0.146499	0.0015	0.024937	0.5909	-0.20103	1.20E-05
0.00293	0.312533	4.86E-12	0.160004	0.00052	0.043897	0.34388	0.04536	0.32802
0.06723	0.10109	0.02894	0.044322	0.33922	-0.04951	0.28563	-0.14903	0.00124
0.06632	0.198294	1.58E-05	0.307808	1.05E-11	0.053007	0.25294	-0.00014	0.99759
0.11	0.084303	0.06873	0.077263	0.09538	0.06287	0.175	0.068494	0.13943
2.24E-05	0.223749	1.04E-06	0.135172	0.00343	0.071817	0.12118	0.178418	0.00011
0.06623	0.083873	0.07017	-0.00768	0.86858	-0.02848	0.53923	0.135779	0.00328
0.80066	-0.09121	0.04886	-0.16595	0.00032	-0.16587	0.00032	-0.21427	2.98E-06
0.00241	-0.18138	8.09E-05	-0.05736	0.21602	-0.08569	0.06428	0.065074	0.16032
0.58896	-0.04606	0.32056	-0.08533	0.06543	-0.06387	0.16825	-0.10824	0.0193
0.12164	0.172023	0.00019	0.124533	0.00705	0.19597	2.00E-05	0.045855	0.32276
0.65146	0.196078	1.98E-05	-0.06862	0.13869	0.114224	0.01352	-0.17155	0.0002
2.59E-05	0.188034	4.33E-05	0.014952	0.74725	0.01906	0.68121	-0.17414	0.00016
0.13094	-0.02641	0.56911	-0.02153	0.64258	-0.11848	0.01039	0.057135	0.2178
0.05754	-0.0377	0.41628	0.033692	0.46762	0.090111	0.05165	0.107551	0.02009
0.00161	-0.05003	0.28062	0.056337	0.22431	0.052111	0.26106	-0.09713	0.03588
0.00126	-0.04579	0.32345	0.026199	0.57225	-0.00733	0.87445	-0.19076	3.33E-05
0.7623	0.071886	0.12083	0.140715	0.0023	0.119307	0.00986	0.105151	0.02305
0.4641	0.035185	0.44812	0.010733	0.81705	0.002344	0.95972	-0.02169	0.6402
0.29201	0.282441	5.16E-10	0.084707	0.06741	0.058183	0.20946	0.014758	0.75041
3.13E-06	0.220032	1.58E-06	-0.00978	0.83299	0.04214	0.36355	0.119972	0.00946
1.97E-17	0.218956	1.78E-06	0.06862	0.1387	0.028782	0.53496	0.108048	0.01952
0.10465	0.043291	0.35058	-0.03658	0.43031	-0.08533	0.06541	-0.09574	0.03863
0.20429	0.045816	0.32317	-0.07993	0.08444	-0.10615	0.02177	0.042211	0.36274
0.00036	-0.19181	3.01E-05	-0.01619	0.72713	0.028194	0.54334	-0.0461	0.32019
2.45E-06	-0.35772	1.52E-15	-0.01193	0.79702	-0.11664	0.01165	-0.05717	0.2175
0.43362	0.055298	0.23298	0.009344	0.84039	0.046385	0.3172	-0.04981	0.2827
0.00151	0.208241	5.68E-06	0.159639	0.00053	0.191145	3.21E-05	-0.01834	0.6926
0.00089	0.348533	8.75E-15	0.050164	0.27933	0.115018	0.01288	0.044299	0.33947
2.96E-08	0.220199	1.55E-06	0.028696	0.53618	0.10932	0.01812	0.055917	0.22779
1.04E-07	-0.22405	1.00E-06	-0.0988	0.0328	-0.12234	0.00813	-0.01227	0.79141
0.87099	0.006734	0.88461	-0.00358	0.93846	-0.07937	0.08665	-0.14198	0.0021
0.38101	0.064767	0.16231	0.135073	0.00345	0.164836	0.00035	0.04566	0.32482



0.00144	0.343595	2.19E-14	0.12006	0.0094	0.187331	4.63E-05	0.005007	0.91406
5.94E-08	0.374052	5.89E-17	0.260591	1.09E-08	0.115761	0.0123	0.075542	0.10301
0.04001	0.280007	7.35E-10	0.008452	0.85545	0.148835	0.00126	-0.10432	0.02417
0.00932	-0.04291	0.35482	0.088969	0.05469	0.104982	0.02328	0.064048	0.16703
0.68767	-0.00632	0.89165	-0.00552	0.90523	-0.03022	0.51472	-0.0203	0.66169
0.31621	-0.03621	0.43495	0.017661	0.70346	-0.00242	0.95835	-0.03423	0.46053
0.74107	-0.01637	0.72424	-0.00429	0.9264	-0.01928	0.67767	-0.01061	0.81916
0.67582	-0.0183	0.69333	0.088992	0.05463	0.015042	0.74578	-0.0167	0.71895
0.22982	0.168544	0.00025	0.127346	0.00585	0.24083	1.38E-07	0.093907	0.04252
0.03089	0.090209	0.05139	0.411405	1.68E-20	0.042659	0.35767	0.009419	0.83914
0.02802	-0.2396	1.60E-07	-0.01577	0.7339	-0.0629	0.17478	-0.03294	0.47763
0.11486	-0.13955	0.00251	-0.0639	0.16801	-0.03893	0.40122	0.011104	0.81086
0.04466	-0.08079	0.08115	-0.00884	0.8489	-0.04965	0.28431	-0.10872	0.01877
0.36176	0.072816	0.11608	-0.04545	0.32706	-0.05158	0.26598	-0.11746	0.01107
0.91709	0.04655	0.31548	0.084838	0.06699	0.032185	0.48779	0.114056	0.01365
0.81578	0.143633	0.00186	0.098455	0.03341	0.23481	2.86E-07	-0.01384	0.76553
0.86185	0.101857	0.02774	-0.03287	0.47862	0.034617	0.45548	-0.18442	6.10E-05
0.02584	-0.16891	0.00025	0.138458	0.00271	-0.12335	0.00762	-0.01701	0.7139
0.59651	0.015592	0.73683	0.035796	0.44027	0.014413	0.75606	-0.10465	0.02372
0.38695	0.074079	0.10987	-0.03226	0.4868	0.032824	0.47918	-0.08091	0.08071
0.0051	0.234452	2.98E-07	0.028125	0.54433	0.017657	0.70351	0.020784	0.65416
4.69E-06	-0.21166	3.95E-06	-0.00969	0.8346	0.037713	0.41617	0.067765	0.14369
2.70E-12	-0.31234	5.01E-12	-0.08851	0.05596	-0.08836	0.05638	-0.11345	0.01417
0.03429	-0.22028	1.53E-06	-0.01371	0.76756	-0.03858	0.40557	0.01338	0.77306
0.00849	0.225178	8.82E-07	0.045938	0.32189	0.157907	0.00062	-0.00465	0.9201
0.0207	0.188435	4.17E-05	-0.01088	0.81453	-0.0205	0.65862	0.070122	0.13024
0.01302	-0.01276	0.78326	0.081501	0.0785	0.056984	0.21902	0.012974	0.77975
0.48013	0.070822	0.12644	0.21295	3.44E-06	0.061484	0.18471	0.092247	0.04633
0.47831	0.118086	0.01065	0.081461	0.07865	0.044067	0.34201	0.001636	0.97188
0.00597	-0.0996	0.03139	0.159668	0.00053	-0.02928	0.52797	-0.10381	0.02487
0.06559	-0.09124	0.04878	-0.08184	0.07728	-0.11926	0.00989	-0.0167	0.71892
0.0257	-0.24994	4.40E-08	-0.02172	0.63962	-0.04729	0.30785	-0.03059	0.50966
0.64133	0.03544	0.44483	-0.00177	0.96951	-0.05906	0.20268	0.052187	0.26037
0.00203	-0.21747	2.10E-06	0.001566	0.97308	-0.02995	0.51847	-0.04703	0.31048
0.27835	-0.05635	0.22423	0.09028	0.05121	0.105989	0.02198	0.112253	0.01522
0.0328	-0.11462	0.01319	0.019672	0.67155	-0.00536	0.90806	-0.05238	0.2586
0.10232	-0.03986	0.39015	0.035325	0.44632	0.0275	0.55332	-0.00554	0.90503
0.48389	0.23061	4.70E-07	0.03887	0.402	0.039224	0.39773	0.053341	0.24996
0.86192	0.117777	0.01086	0.092265	0.04629	0.007827	0.86604	0.00607	0.89592
0.10071	0.228957	5.70E-07	0.029335	0.52714	-0.00383	0.93419	0.002299	0.96048
0.16242	0.179792	9.35E-05	0.027964	0.54664	-0.00032	0.9945	0.013071	0.77815
0.29086	-0.02821	0.54306	0.055011	0.23542	0.055549	0.23087	-0.00073	0.98752
1.42E-06	-0.2337	3.26E-07	0.009796	0.83278	-0.03672	0.42858	-0.05165	0.26533
0.0657	0.20686	6.57E-06	0.032428	0.4845	0.015073	0.74527	0.028886	0.53349
0.40968	-0.05485	0.23679	-0.01429	0.75811	-0.0428	0.35607	0.099703	0.03123

0.00523	0.188676	4.07E-05	0.14362	0.00186	0.054914	0.23625	-0.14147	0.00218
0.66114	0.059079	0.20252	0.166406	0.0003	0.109098	0.01836	0.066033	0.15424
0.71852	-0.00203	0.96502	0.024531	0.59695	0.000233	0.996	-0.08332	0.07203
0.67164	0.050258	0.27843	0.00554	0.90496	-0.01955	0.67346	0.003733	0.93588
0.2114	0.068965	0.13672	0.087523	0.05876	0.142281	0.00205	0.040714	0.38003
0.49842	-0.15498	0.00078	-0.11783	0.01082	-0.11731	0.01118	0.065835	0.15548
0.38588	-0.06968	0.1327	-0.03621	0.43504	-0.04479	0.33409	-0.04687	0.31219
0.36794	0.0557	0.22959	0.027599	0.55189	0.014213	0.75934	0.013188	0.77623
0.90929	0.040917	0.37766	0.080931	0.08062	0.049274	0.28795	0.078668	0.08949
0.37681	0.048716	0.29346	0.032321	0.48595	0.024657	0.59508	0.036946	0.42571
0.12397	-0.07091	0.12598	0.220728	1.46E-06	0.014691	0.75152	0.117553	0.01101
0.8067	0.002619	0.95499	0.399062	2.80E-19	0.014474	0.75507	-0.0185	0.69013
0.39023	0.042349	0.36118	0.344988	1.69E-14	0.018396	0.69172	-0.0049	0.9159
0.41064	-0.00289	0.95037	0.008466	0.85522	0.033957	0.46413	-0.05282	0.25459
0.15174	0.064114	0.1666	0.050293	0.27809	0.030183	0.51527	0.071896	0.12078
0.44807	-0.06929	0.13489	0.013717	0.7675	0.002612	0.9551	0.048067	0.29994
0.01342	-0.07773	0.0934	0.308816	8.91E-12	-0.03967	0.3924	-0.01609	0.72877
0.02968	-0.11605	0.01208	0.333535	1.35E-13	-0.04156	0.37023	-0.01695	0.7149
0.03633	-0.05789	0.21176	0.090227	0.05135	0.146728	0.00148	0.036579	0.43033
0.12117	0.197793	1.67E-05	-0.00531	0.90888	0.07976	0.08512	0.089462	0.05336
0.25681	0.023562	0.61154	-0.0121	0.79428	-0.01937	0.67635	0.065165	0.15974
0.23965	-0.02379	0.60807	0.050456	0.27653	0.07102	0.12538	0.043596	0.3472
0.08877	0.103171	0.02578	0.063265	0.17229	0.055641	0.23009	0.071522	0.12272
0.84025	0.042693	0.35728	0.028996	0.53193	0.050665	0.27455	0.086181	0.06276
0.00225	-0.14064	0.00232	-0.01429	0.75808	0.034185	0.46113	0.084263	0.06887
4.88E-05	-0.1676	0.00027	0.043368	0.34972	0.044356	0.33884	0.032286	0.48641
0.0941	0.035791	0.44033	0.059339	0.20054	0.020094	0.66493	-0.00836	0.85706
0.00426	-0.1033	0.02559	-0.00712	0.87798	0.044223	0.3403	0.025104	0.58841
5.14E-06	-0.12779	0.00568	0.060606	0.19107	0.047196	0.30879	0.037117	0.42358
7.11E-05	0.292024	1.24E-10	0.328087	3.51E-13	0.117847	0.01081	0.186905	4.82E-05
0.05625	0.051954	0.26251	0.084898	0.0668	0.099367	0.0318	0.026097	0.57375
0.03194	0.12496	0.00686	0.188374	4.19E-05	0.010486	0.8212	-0.07709	0.09612
0.00045	-0.2229	1.14E-06	-0.10102	0.02905	-0.06495	0.1611	-0.10264	0.02656
0.27662	0.030652	0.50875	0.007479	0.87194	-0.02721	0.55748	-0.13503	0.00346
0.00036	0.212373	3.66E-06	-0.06255	0.17721	0.125562	0.00659	0.225741	8.27E-07
0.5659	0.064571	0.16359	-0.06324	0.17246	0.010964	0.81319	0.050648	0.27471
0.9184	0.20086	1.22E-05	-0.09758	0.03503	0.026975	0.56092	0.044317	0.33927
0.0002	-0.08361	0.07106	-0.14705	0.00144	0.0376	0.41757	-0.1792	9.87E-05
0.01423	-0.02985	0.51993	0.012727	0.78385	-0.01767	0.70325	0.040427	0.3834
0.05441	0.015023	0.74609	-0.11985	0.00953	-0.12716	0.00593	-0.07653	0.09859
1.55E-10	0.31675	2.42E-12	0.152336	0.00096	-0.00081	0.98608	0.059173	0.2018
0.56247	0.061726	0.18299	-0.06918	0.1355	-0.03424	0.46045	-0.20715	6.38E-06
0.18431	-0.04257	0.35868	-0.01415	0.76038	-0.02652	0.56748	0.126836	0.00606
0.16976	0.02592	0.57634	0.003583	0.93844	0.028242	0.54266	0.036339	0.43337
0.02321	-0.12824	0.00551	-0.00625	0.89279	-0.03708	0.42406	0.053449	0.249

0.65441	0.063852	0.16834	0.050847	0.27282	0.086993	0.06032	0.098283	0.03372
0.44137	-0.03151	0.49692	0.007686	0.86843	-0.00054	0.99071	0.071462	0.12304
0.91311	0.017172	0.71129	0.030155	0.51565	0.021247	0.64698	0.096158	0.03778
0.60334	0.013998	0.76287	0.011718	0.80061	0.030173	0.51541	0.041984	0.36533
0.73654	0.075292	0.10416	0.053721	0.2466	0.102295	0.02707	0.101811	0.02781
0.71426	0.05287	0.25418	0.041749	0.36803	0.042186	0.36303	0.048903	0.2916
0.40786	-0.01106	0.81157	0.018197	0.69489	0.040694	0.38026	0.026493	0.56794
0.00185	0.249252	4.81E-08	0.095202	0.03974	0.074919	0.10589	0.062214	0.17955
2.92E-06	0.22965	5.26E-07	-0.06873	0.13806	-0.01335	0.77349	0.049937	0.28151
0.47832	2.84E-05	0.99951	0.060077	0.19499	0.086053	0.06316	-0.04053	0.38216
4.42E-08	-0.14746	0.0014	-0.03719	0.42264	-0.04742	0.30655	0.009191	0.84298
0.10252	-0.13565	0.00331	-0.01659	0.72062	-0.02205	0.63451	-0.00799	0.86334
0.08678	-0.09885	0.0327	0.000851	0.98537	0.03222	0.48731	-0.01764	0.70383
0.72205	-0.00088	0.98484	0.056468	0.22323	0.043275	0.35076	0.081874	0.07714
0.79445	0.090053	0.0518	0.033764	0.46667	0.203946	8.90E-06	0.058026	0.2107
0.00414	0.17065	0.00021	0.037091	0.4239	0.102787	0.02634	0.070108	0.13032
2.06E-05	-0.36351	4.91E-16	-0.10082	0.02937	-0.11123	0.01618	-0.08721	0.05969
0.01267	-0.12159	0.00853	0.155261	0.00076	-0.1109	0.01651	-0.11815	0.01061
0.88034	0.091343	0.04852	0.085099	0.06615	0.069727	0.13243	-0.14739	0.0014
0.30716	0.01359	0.76959	0.073291	0.11371	0.019773	0.66997	0.093236	0.04403
0.2297	0.176752	0.00012	0.077213	0.09559	0.097385	0.03539	0.036195	0.4352
0.08695	-0.12437	0.00712	-0.09349	0.04346	-0.02991	0.51904	0.136812	0.00305
0.05961	0.151385	0.00103	0.006342	0.89128	-0.01061	0.81904	0.007025	0.87965
0.0001	0.056591	0.22222	-0.00824	0.85899	0.008971	0.84669	0.231996	3.99E-07
0.04367	0.101163	0.02882	-0.00497	0.91469	0.002677	0.954	-0.12896	0.00525
0.00011	-0.26295	7.97E-09	-0.06	0.19555	-0.1018	0.02782	-0.07847	0.09028
0.03953	-0.06743	0.14567	-0.00697	0.8806	-0.01419	0.75967	-0.00373	0.936
0.65942	0.016325	0.72494	0.055869	0.22819	0.051538	0.26636	0.091477	0.04819
0.24895	-0.15304	0.00091	-0.07733	0.09511	-0.13951	0.00251	-0.07914	0.08757
0.38578	0.010334	0.82374	0.044492	0.33736	0.028596	0.53761	0.007625	0.86946
0.98801	0.055472	0.23151	-0.01235	0.79002	-0.00755	0.87078	-0.02246	0.62822
0.69828	0.059546	0.19897	-0.05282	0.25459	-0.01104	0.81196	0.098512	0.03331
0.00199	-0.10039	0.03008	0.006542	0.88787	-0.04309	0.3528	-0.0507	0.27421
0.00402	-0.11461	0.0132	0.009065	0.8451	-0.03313	0.47504	0.001075	0.98151
0.32929	0.08252	0.07483	0.066502	0.15133	0.067514	0.14519	0.0256	0.58106
0.00011	0.284236	3.96E-10	-0.07825	0.09119	0.13283	0.00403	0.100631	0.02968
0.88275	0.139377	0.00254	0.073379	0.11328	0.027039	0.55998	-0.09657	0.03697
0.03629	-0.00422	0.92746	0.087326	0.05934	0.05276	0.25517	-0.05872	0.20525
0.00329	0.216622	2.30E-06	0.023302	0.61548	0.018206	0.69475	0.086665	0.0613
0.02968	0.068142	0.14147	0.070262	0.12948	0.108165	0.01938	0.064156	0.16632
0.41259	0.213804	3.13E-06	0.085854	0.06377	0.063743	0.16907	0.158004	0.00061
0.03604	0.075804	0.10182	0.130633	0.00469	0.117898	0.01078	0.016516	0.72185
0.13609	0.119149	0.00996	0.036324	0.43356	0.00503	0.91367	-0.00077	0.98682
0.78561	-0.04741	0.30656	0.336773	7.56E-14	0.025768	0.57859	-0.01042	0.82233
0.00229	0.123808	0.00739	0.113179	0.0144	0.084202	0.06907	0.019825	0.66915

0.13607	0.082298	0.07561	0.272113	2.26E-09	0.053968	0.24443	0.048009	0.30053
0.36934	0.047756	0.30308	-0.0763	0.09961	-0.06824	0.14088	0.100427	0.03001
0.41161	0.098856	0.0327	0.102703	0.02646	0.100084	0.03058	0.039599	0.39322
0.47301	0.010825	0.81552	0.05915	0.20198	0.100535	0.02984	0.032055	0.48954
0.00542	0.158282	0.0006	-0.05302	0.25286	-0.08119	0.07967	0.086821	0.06083
0.12027	-0.0739	0.11075	-0.03279	0.47966	-0.04729	0.30781	-0.04207	0.36435
0.0283	-0.12519	0.00675	-0.04537	0.32786	-0.05634	0.22427	-0.01143	0.80542
0.41984	0.110187	0.01722	0.08128	0.07932	0.311542	5.72E-12	0.157144	0.00065
0.06935	0.157499	0.00064	0.101193	0.02878	0.063755	0.16899	0.013932	0.76397
2.04E-06	-0.24586	7.38E-08	-0.03751	0.41874	-0.10731	0.02037	-0.01632	0.72502
0.11078	0.034392	0.45843	0.071387	0.12343	0.119064	0.01002	-0.11071	0.01669
0.38457	-0.13445	0.0036	0.02455	0.59667	-0.03724	0.42201	0.03987	0.39
0.00076	-0.16136	0.00046	-0.0015	0.97424	-0.02209	0.63399	-0.03621	0.43505
0.54547	0.062763	0.17573	0.072485	0.11775	0.063874	0.16819	0.022956	0.62073
0.23807	-0.01116	0.80998	0.177057	0.00012	-0.02001	0.66625	-0.11205	0.01541
0.00846	0.122122	0.00824	0.339808	4.37E-14	0.078738	0.0892	0.112606	0.01491
0.15472	0.092337	0.04611	0.100932	0.02919	-0.04889	0.29177	0.078001	0.09225
0.01365	-0.19598	2.00E-05	-0.07398	0.11037	-0.1049	0.02338	0.029344	0.52701
0.09395	0.285068	3.51E-10	0.059226	0.2014	0.071283	0.12398	0.003458	0.94059
0.71146	-0.01547	0.73878	-0.00655	0.88767	-0.02556	0.58163	-0.03815	0.41076
0.50304	-0.03532	0.4464	0.058899	0.2039	0.020846	0.6532	0.027861	0.54812
1.56E-08	0.391249	1.56E-18	-0.01621	0.72679	0.078305	0.09098	-0.03203	0.48995
2.81E-07	-0.1437	0.00185	-0.01215	0.79349	0.100393	0.03007	-0.0935	0.04343
6.77E-11	-0.28702	2.63E-10	-0.06176	0.18272	-0.01245	0.78846	-0.19246	2.82E-05
0.01023	-0.20477	8.18E-06	-0.07341	0.11314	-0.10356	0.02522	-0.04833	0.29735
0.03176	0.230678	4.66E-07	0.046538	0.3156	-0.01064	0.81862	0.007162	0.87733
0.48556	-0.04944	0.28632	-0.09823	0.03382	-0.09682	0.03647	-0.15128	0.00104
4.34E-06	0.280553	6.79E-10	0.047483	0.30586	0.026433	0.56882	0.094814	0.04055
0.00138	0.161614	0.00045	-0.07312	0.11455	0.029797	0.52066	0.028588	0.53772
0.66435	0.145913	0.00157	0.114931	0.01295	0.119812	0.00955	0.039505	0.39435
0.40724	-0.21266	3.54E-06	-0.03514	0.44868	-0.137	0.00301	0.10855	0.01895
0.74396	0.055645	0.23006	0.09441	0.04142	0.012745	0.78355	-0.01984	0.66891
3.90E-07	0.250707	3.99E-08	0.071207	0.12439	0.056915	0.21958	0.150481	0.00111
0.00176	0.20691	6.54E-06	-0.0394	0.3956	0.12686	0.00605	0.071625	0.12219
0.00072	-0.03859	0.40535	-0.01421	0.75937	0.067887	0.14297	-0.05447	0.24008
3.23E-05	0.33428	1.18E-13	0.099007	0.03243	0.046049	0.32072	-0.02989	0.51934
0.0047	-0.05046	0.27649	-0.04914	0.28925	-0.06852	0.13926	-0.20236	1.05E-05
0.31565	0.08498	0.06653	0.128555	0.0054	0.128133	0.00555	-0.03534	0.44609
9.26E-07	0.261958	9.11E-09	0.098982	0.03247	0.087892	0.0577	0.038376	0.40802
0.0001	0.259067	1.34E-08	0.025407	0.58392	0.006986	0.88033	-0.06813	0.14155
0.34256	0.061944	0.18145	0.063293	0.1721	-0.03836	0.40826	-0.03774	0.41583
0.97271	0.064629	0.16321	0.043956	0.34322	0.017256	0.70994	-0.00732	0.87458
4.23E-06	-0.28216	5.37E-10	0.032641	0.48163	-0.01855	0.68928	-0.16878	0.00025
0.01551	0.143288	0.00191	-0.02545	0.58328	0.016997	0.7141	0.091943	0.04706
0.88149	0.061407	0.18526	0.06534	0.15862	0.187189	4.69E-05	-0.01533	0.74103

0.00065	0.152431	0.00095	0.155612	0.00074	0.052544	0.25712	0.045235	0.32936
6.90E-06	-0.18752	4.55E-05	0.01196	0.79659	-0.03081	0.50659	-0.08123	0.07948
0.00593	0.236468	2.34E-07	0.15449	0.00081	0.157746	0.00062	-0.01632	0.72494
0.26249	-0.05085	0.27279	0.21994	1.59E-06	0.130512	0.00473	-0.0497	0.28382
0.66286	-0.07605	0.1007	-0.00625	0.89283	-0.01722	0.71047	-0.02836	0.54098
0.00201	0.209826	4.80E-06	0.042712	0.35708	0.0321	0.48893	0.162501	0.00042
0.36286	-0.07658	0.09837	-0.16423	0.00037	-0.06423	0.1658	-0.14253	0.00202
0.08728	0.205461	7.61E-06	0.388861	2.62E-18	0.121004	0.00886	0.058222	0.20916
0.09525	0.038154	0.41074	0.0169	0.71567	0.000821	0.98588	-0.09137	0.04845
0.22549	0.116819	0.01152	0.016539	0.72149	0.019424	0.67546	0.046927	0.31157
0.15903	0.056372	0.22402	-0.04127	0.3736	-0.05608	0.22645	0.106071	0.02187
0.00139	0.231647	4.16E-07	0.023578	0.61129	0.059215	0.20148	0.047181	0.30895
0.1401	0.075457	0.1034	0.141773	0.00213	0.094188	0.0419	-0.03784	0.41465
0.83142	-0.02759	0.55206	-0.06149	0.18468	-0.06047	0.19208	0.054519	0.23964
0.00067	0.223225	1.10E-06	-0.04316	0.35204	0.030292	0.51375	0.084062	0.06953
0.7649	0.029582	0.52367	0.008514	0.8544	0.0191	0.68057	-0.01638	0.72409
0.01414	0.12004	0.00942	0.024946	0.59076	-0.00436	0.92514	0.035073	0.44957
0.09992	0.100087	0.03058	0.057606	0.21403	0.062938	0.17452	0.08704	0.06018
0.04189	-0.04211	0.36384	0.015242	0.74251	0.019195	0.67907	-0.14086	0.00228
0.00044	-0.17309	0.00017	-0.05211	0.26107	-0.01914	0.67988	-0.07285	0.1159
0.20544	-0.12361	0.00749	0.001827	0.96859	-0.03055	0.51014	-0.04879	0.29271
0.05075	0.259773	1.22E-08	0.219873	1.61E-06	0.138088	0.00279	0.191721	3.04E-05
0.22581	0.072316	0.11861	0.021831	0.63796	-0.047	0.31085	-0.03738	0.42036
1.20E-06	0.41276	1.23E-20	0.148814	0.00126	0.160146	0.00051	0.038044	0.41208
0.02166	0.288809	2.01E-10	0.041613	0.36959	0.076366	0.0993	-0.01069	0.81773
0.93028	0.113932	0.01376	0.001572	0.97297	0.024082	0.60369	0.03331	0.47269
0.2284	0.161246	0.00047	0.05211	0.26108	-0.05302	0.25287	-0.05455	0.2394
0.75818	0.032122	0.48864	0.09066	0.05024	0.087372	0.0592	0.150616	0.0011
0.88127	0.048839	0.29224	-0.01788	0.69997	-0.04076	0.37948	-0.04053	0.38216
0.00012	-0.14668	0.00148	0.185737	5.39E-05	0.046031	0.32091	0.04055	0.38195
0.07938	0.065099	0.16016	-0.06726	0.14672	-0.01256	0.78662	-0.22462	9.40E-07
0.32068	-0.15004	0.00115	0.01241	0.7891	-0.12015	0.00935	-0.10611	0.02183
0.25191	-0.02834	0.5413	-0.00115	0.98016	0.002981	0.94878	0.066374	0.15212
0.03207	0.032929	0.47778	0.086102	0.06301	-0.05903	0.20288	-0.0479	0.30161
0.05021	-0.08086	0.08087	-0.06268	0.17634	-0.06454	0.16381	-0.00899	0.84638
0.00105	0.122855	0.00786	0.033611	0.4687	0.040933	0.37746	0.027832	0.54853
0.00766	0.119852	0.00953	-0.05289	0.25401	-0.06424	0.16573	0.00979	0.83289
0.0333	-0.03504	0.44996	0.150078	0.00114	0.127057	0.00597	-0.04292	0.35473
0.00023	0.125844	0.00647	0.188814	4.02E-05	0.112642	0.01487	0.047815	0.30249
0.32313	0.047685	0.30381	-0.02664	0.56578	-0.05368	0.24696	0.080491	0.08228
0.06885	-0.03452	0.45672	0.1105	0.0169	0.029678	0.52233	0.094054	0.0422
0.61356	0.083272	0.07221	-0.0171	0.71244	-0.05869	0.20554	-0.08614	0.0629
0.03674	0.018399	0.69169	0.044647	0.33568	0.006965	0.88068	0.044127	0.34135
0.00614	-0.17264	0.00018	0.171335	0.0002	-0.06906	0.13616	-0.06464	0.16311
0.07393	0.274183	1.69E-09	0.033316	0.47261	0.104876	0.02342	0.108724	0.01876

0.01603	0.229456	5.38E-07	0.094734	0.04072	0.197632	1.69E-05	0.115538	0.01247
0.01083	0.036662	0.42928	0.051063	0.27079	0.025162	0.58756	-0.07848	0.09027
0.35713	0.041084	0.37571	0.064201	0.16602	0.048422	0.29639	0.050038	0.28054
8.78E-07	-0.16559	0.00033	0.022592	0.62627	-0.01151	0.80406	-0.1396	0.0025
0.08019	0.108487	0.01902	0.11188	0.01557	0.091241	0.04877	-0.05191	0.2629
0.6725	0.003071	0.94722	0.048284	0.29777	-0.05887	0.20411	0.063051	0.17375
3.52E-08	0.361757	6.93E-16	0.037215	0.42236	0.076778	0.09748	0.241673	1.24E-07
0.00886	-0.14971	0.00117	0.027406	0.55467	0.018354	0.6924	0.049607	0.28471
0.00017	-0.11997	0.00946	0.16761	0.00027	-0.02609	0.57386	-0.09329	0.0439
0.83837	-0.01268	0.78465	0.077875	0.09277	0.043775	0.34522	0.059303	0.20081
0.31948	0.122528	0.00803	0.091272	0.0487	0.05723	0.21703	0.051033	0.27108
0.33864	-0.02846	0.53959	-0.08257	0.07466	-0.0331	0.47554	-0.0117	0.80094
0.74561	0.12319	0.00769	0.052497	0.25755	0.008417	0.85605	-0.03374	0.46701
3.82E-05	0.216856	2.24E-06	0.364888	3.74E-16	0.206844	6.58E-06	0.163068	0.0004
0.00019	0.318259	1.88E-12	0.077001	0.09651	0.15042	0.00111	0.088481	0.05604
4.39E-05	0.317169	2.26E-12	0.184102	6.28E-05	0.149094	0.00123	0.188593	4.11E-05
0.02435	0.12158	0.00854	0.303437	2.11E-11	0.087107	0.05998	-0.0061	0.89535
0.00056	0.132945	0.004	0.31436	3.60E-12	0.111146	0.01627	0.055665	0.22989
0.00139	0.310363	6.93E-12	0.086613	0.06145	0.173686	0.00016	0.057733	0.21302
0.00084	0.159985	0.00052	0.298848	4.34E-11	0.115792	0.01228	0.02582	0.57782
0.0554	0.109644	0.01778	0.053144	0.25172	0.025041	0.58935	0.05061	0.27507
0.00627	0.23988	1.55E-07	0.053956	0.24454	0.200887	1.22E-05	0.122036	0.00829
0.10891	0.095262	0.03961	0.003202	0.94498	-0.00013	0.99784	0.027933	0.54709
0.00035	0.230764	4.61E-07	0.105404	0.02272	0.140452	0.00235	0.166603	0.0003
0.14577	0.071849	0.12102	0.023083	0.6188	0.028444	0.53977	0.012296	0.79099
2.44E-05	0.244773	8.46E-08	0.172543	0.00018	0.007843	0.86576	0.049999	0.28091
0.13105	0.151956	0.00099	0.122267	0.00817	0.100381	0.03009	0.103838	0.02483
0.07706	0.106178	0.02174	0.174834	0.00015	0.038291	0.40905	0.082134	0.0762
0.5267	0.003165	0.94561	0.02255	0.62692	0.03949	0.39454	-0.00158	0.97287
0.00502	0.1812	8.22E-05	0.06768	0.1442	0.0266	0.56638	0.107103	0.02061
0.01	0.177841	0.00011	0.389036	2.53E-18	0.007078	0.87876	0.073237	0.11398
0.04289	0.180662	8.64E-05	0.079567	0.08588	0.021172	0.64813	0.070106	0.13033
0.124	0.129414	0.0051	0.054088	0.24338	0.049572	0.28505	0.08328	0.07218
1.12E-05	0.274617	1.59E-09	0.008334	0.85746	0.101241	0.0287	0.023462	0.61305
0.00096	0.313583	4.09E-12	0.045073	0.33109	0.130818	0.00463	-0.13789	0.00283
0.19921	0.150276	0.00112	0.025969	0.57563	0.148798	0.00126	-0.00752	0.87129
0.03687	0.214903	2.78E-06	-0.00089	0.98472	0.182875	7.04E-05	-0.03267	0.48131
0.9732	-0.13279	0.00404	0.006836	0.88287	-0.04578	0.3236	0.09919	0.03211
1.51E-05	-0.21461	2.87E-06	-0.01198	0.7962	0.043945	0.34335	0.027666	0.55092
0.17023	0.145166	0.00166	0.251935	3.41E-08	0.102223	0.02718	-0.12479	0.00693
0.72526	0.108786	0.01869	-0.03593	0.43852	-0.02972	0.52172	0.021886	0.63711
0.01819	-0.17811	0.00011	-0.21057	4.44E-06	-0.19829	1.59E-05	-0.14721	0.00142
0.91069	0.067594	0.14471	0.078377	0.09068	-0.04167	0.36892	-0.13674	0.00307
0.00201	-0.13872	0.00266	0.028246	0.54259	0.016302	0.72531	-0.24892	5.01E-08
0.50997	0.003403	0.94153	0.146011	0.00156	-0.00021	0.99631	-0.07038	0.12883

0.05464	0.035508	0.44396	-0.07081	0.12651	0.025155	0.58766	-0.03086	0.50583
4.71E-07	0.154546	0.00081	0.131695	0.00436	0.09758	0.03502	0.073561	0.11239
0.00036	0.252144	3.32E-08	0.028876	0.53363	0.13483	0.00351	0.11885	0.01015
0.4263	-0.05725	0.21684	-0.02862	0.53724	-0.01083	0.81536	-0.21067	4.39E-06
0.16987	0.015156	0.74392	0.101273	0.02865	0.032314	0.48604	-0.1017	0.02798
0.00863	-0.02108	0.64961	0.035301	0.44662	0.041606	0.36967	-0.06219	0.17969
0.00387	0.290922	1.46E-10	0.21891	1.79E-06	0.082255	0.07577	0.144879	0.00169
6.25E-06	-0.2829	4.82E-10	0.032611	0.48204	-0.1268	0.00607	-0.10286	0.02623
0.00493	0.237058	2.18E-07	0.007824	0.86609	-0.03291	0.478	0.110746	0.01666
0.00093	0.253097	2.93E-08	0.258395	1.47E-08	0.108271	0.01926	-0.08925	0.05393
0.98641	-0.05259	0.25674	0.081415	0.07882	0.075948	0.10117	-0.10056	0.02979
1.39E-09	-0.20768	6.03E-06	-0.02858	0.53786	0.03717	0.42291	-0.02132	0.64583
0.38942	-0.0191	0.68054	0.015969	0.7307	-0.06365	0.16966	-0.02164	0.64094
0.47521	0.111259	0.01616	0.301561	2.84E-11	0.127699	0.00572	-0.07634	0.09943
0.43551	-0.02874	0.53552	0.073127	0.11453	-0.09849	0.03334	-0.10822	0.01932
0.07254	0.193377	2.58E-05	0.073234	0.11399	0.035434	0.44491	0.041857	0.36679
0.2391	-0.05497	0.23578	0.135972	0.00324	0.027171	0.55807	0.058051	0.2105
0.97945	0.127734	0.0057	0.080117	0.08372	0.061764	0.18272	-0.0506	0.27521
0.9838	0.07885	0.08875	0.136636	0.00309	-0.01953	0.67385	0.065539	0.15735
3.05E-07	-0.26608	5.21E-09	-0.0245	0.5974	-0.01869	0.68712	-0.07016	0.13006
0.09757	0.176974	0.00012	0.016129	0.72811	0.338902	5.15E-14	-0.01921	0.67886
0.00637	0.100906	0.02923	0.106277	0.02162	0.091219	0.04883	-0.00345	0.94078
0.1946	0.237086	2.17E-07	0.103151	0.02581	0.091543	0.04803	0.106719	0.02108
0.23428	-0.05271	0.25565	0.004315	0.9259	-0.06514	0.15993	-0.0999	0.03089
0.08235	0.056066	0.22655	0.039721	0.39176	0.018403	0.69162	0.009973	0.82981
0.1427	0.171493	0.0002	0.085086	0.06619	0.136894	0.00303	0.13341	0.00387
0.5492	0.046917	0.31167	0.004529	0.92225	0.005133	0.91192	0.168535	0.00025
0.00011	0.356113	2.08E-15	0.147498	0.00139	0.021282	0.64643	0.061135	0.18723
0.40071	0.078837	0.0888	0.297455	5.38E-11	-0.04045	0.38308	0.025035	0.58944
0.01586	-0.02196	0.63592	0.04838	0.29681	0.022644	0.62548	-0.08189	0.0771
0.0021	0.089747	0.0526	0.123945	0.00733	0.016218	0.72667	-0.19128	3.17E-05
1.73E-11	0.368169	1.94E-16	0.181104	8.29E-05	-0.00576	0.9012	0.00292	0.94981
4.83E-05	-0.09348	0.04348	0.013152	0.77682	0.041389	0.37218	-0.14225	0.00206
0.72582	-0.11371	0.01394	-0.09062	0.05033	-0.00365	0.93734	-0.0897	0.05273
0.00123	0.220641	1.47E-06	0.119817	0.00955	0.049989	0.28102	-0.10173	0.02793
1.82E-06	0.253193	2.90E-08	0.109194	0.01825	0.051212	0.2694	0.165658	0.00032
0.00138	-0.2023	1.06E-05	-0.14081	0.00229	-0.06295	0.17447	-0.0453	0.32867
0.3023	0.011537	0.80362	0.075983	0.10101	0.048031	0.3003	-0.12799	0.00561
0.02413	0.022817	0.62284	0.055259	0.23331	-0.02431	0.60033	-0.07025	0.12956
0.00274	-0.08276	0.07399	0.064537	0.16381	0.06811	0.14166	0.025744	0.57894
5.08E-08	0.249245	4.81E-08	0.08238	0.07532	0.036702	0.42878	-0.0451	0.33076
0.00307	0.154182	0.00083	0.063259	0.17234	0.023846	0.60725	-0.05289	0.254
0.98169	0.006736	0.88457	0.139539	0.00251	-0.02223	0.6318	0.048003	0.30059
0.16654	0.171167	0.0002	0.052815	0.25467	0.060191	0.19414	-0.04961	0.28471
0.93581	0.110518	0.01688	0.018347	0.69251	0.0647	0.16275	-0.06695	0.14861

0.0005	0.369698	1.43E-16	0.105323	0.02283	0.073026	0.11503	0.239626	1.60E-07
0.43366	0.076806	0.09736	0.089279	0.05385	-0.05177	0.26416	-0.21317	3.35E-06
0.00676	-0.10221	0.0272	-0.0632	0.17277	-0.07513	0.10489	-0.07219	0.11925
0.99664	-0.06276	0.17576	0.042539	0.35902	0.040028	0.38812	0.082575	0.07463
7.94E-06	0.206014	7.18E-06	-0.05326	0.25068	-0.08454	0.06795	0.150373	0.00112
4.66E-07	-0.31959	1.50E-12	-0.00881	0.84932	0.060946	0.18859	-0.01426	0.75855
0.0092	0.049657	0.28422	-0.00299	0.94858	0.086018	0.06327	-0.0023	0.9605
0.89608	0.051488	0.26682	0.008382	0.85664	0.068288	0.14062	-0.07011	0.13031
0.03776	0.033995	0.46363	-0.00832	0.85776	0.097256	0.03564	0.087784	0.05801
0.87915	0.060793	0.18971	0.048177	0.29884	-0.02412	0.60311	0.060309	0.19326
0.00476	0.232592	3.72E-07	-0.13036	0.00478	0.043496	0.3483	-0.09807	0.03411
0.19236	0.004644	0.92028	-0.12871	0.00534	-0.02782	0.54865	-0.16933	0.00024
0.5862	0.068979	0.13664	0.289658	1.77E-10	-0.02606	0.57429	0.011488	0.80444
0.09459	-0.10772	0.0199	-0.03205	0.48967	-0.02132	0.64584	-0.09318	0.04416
0.01049	-0.06472	0.16261	-0.03407	0.46265	-0.0676	0.14466	0.001893	0.96745
0.36073	-0.08006	0.08393	0.005543	0.90491	-0.06469	0.1628	0.099	0.03244
0.22166	0.194372	2.34E-05	0.031192	0.50132	-0.04511	0.33068	0.051846	0.2635
1.02E-05	-0.21408	3.04E-06	-0.06532	0.15874	-0.08699	0.06033	-0.00011	0.9981
0.00074	-0.14049	0.00234	-0.1369	0.00303	0.00411	0.92941	-0.13587	0.00326
0.16205	0.157128	0.00066	0.035136	0.44876	-0.01281	0.78243	0.028823	0.53438
0.02377	0.166625	0.0003	0.19969	1.38E-05	0.083808	0.07038	-0.00128	0.97799
1.32E-05	0.137918	0.00282	0.06685	0.1492	-0.06433	0.16519	0.058526	0.20679
0.05391	0.00808	0.86174	-0.00106	0.98177	-0.03129	0.49994	-0.01942	0.67548
0.00013	-0.18854	4.13E-05	0.119537	0.00972	0.005396	0.90741	0.016279	0.72568
0.24868	-0.04524	0.32933	0.173399	0.00017	0.025079	0.58879	0.016989	0.71423
0.00227	-0.1165	0.01176	0.042625	0.35805	-0.07411	0.10972	-0.11359	0.01404
0.35501	-0.0142	0.75956	-0.03621	0.435	0.02232	0.63044	-0.0206	0.65701
0.43018	-0.09477	0.04065	-0.1092	0.01824	-0.04534	0.32822	0.003438	0.94094
0.01799	-0.06307	0.17365	-0.08506	0.06629	-0.04299	0.35395	-0.07102	0.1254
0.05919	-0.09787	0.03448	-0.10027	0.03027	-0.03947	0.39482	-0.19697	1.81E-05
0.05447	0.047521	0.30547	0.064809	0.16203	0.083978	0.06981	0.069592	0.13318
0.00907	-0.10656	0.02127	0.056306	0.22456	0.009431	0.83893	0.098733	0.03291
0.71114	0.204595	8.32E-06	0.12153	0.00856	0.059804	0.19703	0.030867	0.50579
0.29841	0.141497	0.00218	0.051205	0.26946	-0.01256	0.78668	0.096457	0.03718
0.00977	-0.28354	4.39E-10	-0.11295	0.0146	-0.15068	0.00109	-0.03287	0.47856
0.00018	-0.23816	1.91E-07	-0.02007	0.66524	-0.09304	0.04448	0.100241	0.03032
1.94E-11	0.390183	1.97E-18	0.220985	1.42E-06	0.118748	0.01022	0.246436	6.86E-08
0.21855	-0.01726	0.7099	0.112008	0.01545	0.041712	0.36845	-0.04557	0.32578
0.53665	-0.01293	0.78041	-0.02509	0.58865	0.044725	0.33485	-0.01602	0.72993
1.22E-11	0.431159	1.45E-22	0.108084	0.01948	0.063146	0.1731	0.0922	0.04644
9.07E-08	0.309892	7.48E-12	0.121908	0.00836	0.013112	0.77747	0.074331	0.10866
0.9534	0.043809	0.34484	-0.03124	0.50068	-0.01974	0.67054	-0.29639	6.34E-11
5.95E-08	0.1271	0.00595	0.024162	0.6025	0.080976	0.08045	0.021423	0.64425
0.20267	0.07763	0.09381	0.030888	0.50549	-0.02298	0.62042	-0.18079	8.54E-05
0.73889	-0.05062	0.27502	0.028951	0.53257	0.017675	0.70322	0.152149	0.00097



0.90374	0.04967	0.2841	0.007584	0.87016	-0.07059	0.1277	-0.10139	0.02847
0.00709	-0.01642	0.72335	0.110329	0.01707	-0.04581	0.32326	0.027153	0.55833
0.00779	-0.18701	4.77E-05	-0.08604	0.06319	-0.10866	0.01883	-0.00847	0.85515
0.05326	0.119879	0.00951	-0.05493	0.23607	-0.05881	0.20458	-0.02129	0.64636
0.15566	0.12344	0.00757	0.047824	0.30239	0.05699	0.21897	0.179944	9.22E-05
4.20E-08	-0.23813	1.92E-07	0.103649	0.0251	-0.05236	0.25884	-0.09739	0.03539
0.00111	0.191745	3.03E-05	0.044968	0.33222	0.026151	0.57295	0.149892	0.00116
0.03618	-0.06618	0.15331	0.007184	0.87695	-0.01815	0.69564	-0.11393	0.01376
0.29151	0.074571	0.10752	0.022561	0.62675	0.00868	0.85161	0.070318	0.12917
0.08642	0.075392	0.1037	-0.02698	0.56091	-0.03524	0.44735	0.055408	0.23205
0.88662	0.059727	0.1976	-0.13457	0.00357	-0.1099	0.01751	-0.00967	0.83499
0.05699	0.145646	0.0016	0.060963	0.18847	0.094327	0.0416	0.141142	0.00223
0.00021	-0.28385	4.20E-10	-0.01678	0.71763	-0.1006	0.02973	0.047928	0.30135
0.45071	-0.07296	0.11534	-0.05168	0.26508	-0.12534	0.00669	0.083819	0.07035
0.15718	0.087263	0.05952	0.058047	0.21054	-0.05418	0.24259	-0.1148	0.01305
0.01474	0.051094	0.2705	-0.04342	0.34918	0.01794	0.699	0.26719	4.48E-09
0.06683	-0.07166	0.12201	0.011299	0.8076	-0.03236	0.4854	0.032983	0.47705
0.01902	-0.21428	2.97E-06	-0.06018	0.19425	-0.12621	0.00631	-0.02564	0.58041
2.23E-06	0.209117	5.18E-06	0.076876	0.09706	0.051237	0.26916	-0.15182	0.001
0.02593	0.057168	0.21753	0.041822	0.36719	0.034383	0.45854	0.025023	0.58963
0.00109	-0.12867	0.00536	0.039928	0.3893	0.083675	0.07083	0.037304	0.42124
0.00033	0.110673	0.01673	0.053639	0.24732	0.041922	0.36604	0.082714	0.07414
0.08387	-0.16672	0.0003	-0.02799	0.5463	-0.03608	0.4367	-0.11862	0.0103
0.6153	0.089282	0.05384	0.120895	0.00892	0.068053	0.14199	0.042804	0.35604
0.02046	0.260005	1.18E-08	0.210806	4.33E-06	0.191816	3.01E-05	-0.12188	0.00837
0.00015	0.299356	4.01E-11	0.182906	7.02E-05	0.180361	8.88E-05	-0.02897	0.5323
0.55703	0.051466	0.26702	0.046279	0.3183	0.059412	0.19999	-0.04857	0.29488
0.00025	-0.1051	0.02313	-0.074	0.11028	-0.00829	0.85827	-0.13101	0.00457
0.30187	0.134996	0.00347	0.176995	0.00012	0.080221	0.08332	-0.03454	0.45651
0.92193	0.144976	0.00168	0.232401	3.80E-07	0.116948	0.01143	-0.01116	0.80989
0.00013	0.20533	7.71E-06	-0.0589	0.2039	0.036467	0.43174	-0.17184	0.00019
0.45066	-0.00459	0.92116	0.020967	0.65132	-0.00426	0.92684	0.014587	0.75322
4.48E-07	0.293028	1.06E-10	0.098066	0.03412	0.050695	0.27426	-0.00873	0.85068
0.02899	-0.08312	0.07272	-0.08828	0.0566	-0.00212	0.96355	-0.06542	0.15809
0.00088	0.184837	5.86E-05	0.158789	0.00057	0.062161	0.17992	0.147178	0.00143
0.71842	0.150288	0.00112	0.037333	0.42089	0.09809	0.03408	0.016254	0.72609
0.92192	-0.01635	0.72462	0.024519	0.59713	-0.07914	0.08759	0.048623	0.29438
0.02961	0.189715	3.69E-05	0.098759	0.03287	0.026104	0.57364	-0.03993	0.3893
0.93829	0.114228	0.01351	0.033523	0.46987	0.074764	0.10662	-0.11098	0.01643
0.50226	0.103015	0.02601	-0.05591	0.22786	0.046738	0.31352	-0.06791	0.14281
0.10902	0.231601	4.18E-07	0.052617	0.25646	0.075912	0.10133	0.047742	0.30323
0.03086	0.154074	0.00084	0.086062	0.06313	0.093468	0.0435	0.239491	1.62E-07
0.71699	-0.06256	0.17715	0.034023	0.46326	0.172685	0.00018	0.002801	0.95186
0.00119	0.127911	0.00564	0.051707	0.26478	0.095741	0.03862	0.059354	0.20042
0.00209	-0.01627	0.7258	-0.03972	0.39181	0.009792	0.83286	0.05814	0.2098

0.84156	0.08139	0.07891	0.034956	0.45108	0.020653	0.6562	0.109858	0.01755
0.00097	-0.26965	3.19E-09	-0.0453	0.32863	-0.15436	0.00082	-0.19841	1.57E-05
0.00325	-0.11304	0.01452	-0.01542	0.73966	0.067833	0.14329	0.044992	0.33196
3.99E-05	-0.24633	6.96E-08	-0.03835	0.40834	-0.09629	0.03751	0.028261	0.54238
0.93979	0.043381	0.34958	0.00851	0.85448	0.14702	0.00144	-0.07182	0.12115
0.2313	-0.00231	0.96027	0.11127	0.01615	0.015759	0.73411	-0.03083	0.50634
0.75859	-0.09025	0.05129	-0.04708	0.31002	-0.00394	0.93239	0.092441	0.04587
0.00161	-0.12533	0.00669	0.059271	0.20106	0.030045	0.51718	-0.01096	0.81319
0.52915	-0.06093	0.18869	0.040572	0.3817	0.007157	0.8774	0.045983	0.32141
0.60332	0.060912	0.18884	-0.02013	0.66429	0.045857	0.32274	0.083328	0.07201
0.1501	-0.03675	0.42816	0.103308	0.02558	0.062551	0.1772	0.022366	0.62973
0.60075	-0.02896	0.53247	-0.00964	0.83545	0.024457	0.59807	-0.07393	0.11058
0.00076	-0.20178	1.11E-05	0.018046	0.6973	0.05969	0.19789	-0.04082	0.37884
0.2371	0.033658	0.46807	0.020074	0.66524	-0.02503	0.58946	-0.12788	0.00565
0.41434	0.014374	0.75671	0.049088	0.28979	0.082599	0.07455	0.011526	0.80381
0.46298	-0.10994	0.01747	-0.08835	0.0564	0.070789	0.12661	-0.24882	5.08E-08
0.12694	0.035577	0.44307	0.168432	0.00026	-0.00961	0.83599	-0.02812	0.54443
0.65094	0.004616	0.92076	0.006927	0.88132	-0.00131	0.97746	0.056201	0.22543
0.00603	-0.11695	0.01143	0.015417	0.73968	0.095677	0.03875	0.052531	0.25724
0.00195	-0.09782	0.03458	0.034662	0.45489	0.106123	0.02181	0.118925	0.0101
0.5673	-0.07359	0.11225	0.034763	0.45359	0.057119	0.21793	0.03554	0.44356
0.00258	-0.15761	0.00063	-0.01139	0.806	0.080114	0.08373	0.054538	0.23948
0.01125	-0.13041	0.00476	0.02799	0.54627	0.054367	0.24096	0.135908	0.00325
0.21898	-0.07669	0.09787	0.023396	0.61404	0.03078	0.50698	0.008422	0.85596
0.33612	-0.05725	0.21687	0.066948	0.1486	0.047367	0.30705	0.062178	0.1798
5.62E-14	0.266073	5.22E-09	0.219711	1.64E-06	0.032485	0.48373	0.051642	0.26539
0.25533	-0.15531	0.00076	-0.05837	0.20802	-0.00987	0.83148	-0.16419	0.00037
0.00658	-0.14471	0.00172	0.011499	0.80427	-0.02143	0.64417	-0.04166	0.369
0.00087	0.286399	2.88E-10	0.066465	0.15155	0.09398	0.04236	0.082135	0.0762
0.6644	0.049225	0.28844	-0.04743	0.30645	0.018224	0.69447	0.267381	4.36E-09
0.35654	-0.04682	0.31262	0.011599	0.80259	-0.03108	0.50289	0.013693	0.7679
0.5184	0.018989	0.68232	0.138234	0.00276	0.034468	0.45743	0.027675	0.55079
3.63E-07	-0.26698	4.61E-09	-0.00416	0.92849	-0.02772	0.55013	-0.08029	0.08307
0.72682	-0.10507	0.02316	-0.01837	0.69213	-0.02036	0.66082	-0.03296	0.47742
0.06081	0.12314	0.00772	-0.01956	0.67327	-0.00763	0.86936	-0.10126	0.02867
1.46E-16	-0.3743	5.61E-17	-0.15221	0.00097	-0.08523	0.06572	-0.26186	9.23E-09
0.00448	0.253956	2.62E-08	-0.02323	0.61659	0.066075	0.15397	0.135227	0.00341
0.51426	-0.00618	0.89408	0.009718	0.8341	0.004927	0.91544	0.004734	0.91873
0.96352	0.043704	0.346	0.106115	0.02182	0.068474	0.13954	0.076119	0.1004
0.0731	-0.0463	0.31804	0.000222	0.99618	-0.01509	0.74501	0.002539	0.95636
0.07009	-0.11027	0.01713	0.036042	0.43714	0.018741	0.68625	0.081712	0.07773
0.43794	0.009475	0.83819	0.046204	0.31909	0.071332	0.12373	0.066237	0.15297
0.00205	0.218589	1.85E-06	0.097684	0.03483	0.090354	0.05102	0.198336	1.58E-05
0.28097	-0.02994	0.51867	-0.02332	0.61522	-0.03924	0.39756	-0.02924	0.52855
0.15784	-0.1138	0.01387	-0.03427	0.46001	-0.08775	0.05812	-0.00026	0.99545

0.75492	0.007331	0.87445	0.067987	0.14238	0.065356	0.15852	0.0214	0.64461
0.00101	0.21815	1.95E-06	0.16152	0.00046	0.060281	0.19347	0.096657	0.03679
0.00022	-0.03644	0.43214	0.057574	0.21428	0.085803	0.06393	-0.04001	0.3883
0.12851	0.116462	0.01178	0.046661	0.31432	0.049393	0.28679	0.038381	0.40795
0.24071	0.071242	0.1242	0.027889	0.54771	0.074397	0.10835	0.023028	0.61963
0.0017	0.217842	2.01E-06	0.218907	1.79E-06	0.164774	0.00035	0.165339	0.00033
0.14936	0.140504	0.00234	0.095254	0.03963	0.090526	0.05058	0.08436	0.06855
0.0254	-0.04858	0.29481	0.064732	0.16254	0.056469	0.22322	-0.00612	0.89514
7.93E-07	0.205055	7.93E-06	-0.11077	0.01663	-0.01525	0.74231	-0.0082	0.85974
0.01738	0.098205	0.03387	-0.08498	0.06654	-0.01026	0.82498	0.040984	0.37687
0.01464	-0.1062	0.02171	0.035341	0.44611	0.049404	0.28669	0.027554	0.55254
0.07623	-0.07001	0.13088	0.036858	0.42682	0.053107	0.25205	0.011426	0.80548
0.06908	0.042909	0.35486	0.144262	0.00177	0.059619	0.19842	0.047667	0.30399
0.0002	0.268715	3.63E-09	0.087616	0.0585	0.021937	0.63632	0.154639	0.0008
0.85145	0.130819	0.00463	0.107812	0.01979	0.07226	0.1189	0.008711	0.85108
0.26464	-0.03387	0.46524	0.128073	0.00558	0.057649	0.21368	0.093793	0.04277
0.8856	0.004537	0.9221	0.10383	0.02484	0.029077	0.53079	0.030029	0.51741
2.20E-08	-0.30824	9.77E-12	-0.12188	0.00838	-0.08274	0.07404	-0.17356	0.00016
0.05761	0.143378	0.0019	0.24283	1.08E-07	0.033316	0.47261	-0.03213	0.48849
0.00198	0.202479	1.04E-05	-0.00302	0.94819	-0.01642	0.72334	0.162621	0.00042
0.96027	0.110607	0.01679	0.062001	0.18104	0.024423	0.59858	0.074584	0.10747
0.34503	-0.0058	0.90046	-0.02017	0.66374	0.141406	0.00219	-0.02779	0.54917
0.00276	0.29217	1.21E-10	0.028342	0.54123	0.019101	0.68055	-0.00948	0.8381
0.21738	0.155428	0.00075	0.114341	0.01342	0.132675	0.00408	0.082698	0.0742
0.6482	0.162131	0.00044	0.059784	0.19718	0.058899	0.2039	0.095091	0.03997
0.06369	0.161894	0.00044	0.18736	4.62E-05	0.066764	0.14972	0.067607	0.14463
0.48282	0.236677	2.28E-07	0.047905	0.30158	0.076975	0.09662	-0.02289	0.62175
0.00846	-0.11989	0.00951	0.055244	0.23344	0.00074	0.98727	-0.07633	0.09948
0.05957	0.0281	0.54469	0.021774	0.63884	-0.01084	0.81535	-0.04892	0.29143
0.52028	0.037669	0.41671	0.153136	0.0009	0.052804	0.25477	0.152907	0.00092
0.06642	0.301495	2.87E-11	0.164666	0.00035	0.222126	1.25E-06	0.115598	0.01243
0.67734	0.016959	0.71472	0.190662	3.36E-05	0.11759	0.01099	0.077479	0.09445
0.09848	0.233541	3.32E-07	-0.0163	0.72534	0.074817	0.10637	-0.12844	0.00544
3.05E-05	-0.13702	0.00301	-0.05457	0.23924	0.054671	0.23834	-0.02685	0.56281
0.11767	-0.13426	0.00365	0.009081	0.84483	-0.07552	0.1031	-0.06119	0.18684
0.14022	-0.00494	0.91523	-0.09858	0.03319	-0.00115	0.9803	-0.02247	0.6281
0.00043	-0.18109	8.31E-05	0.052096	0.26121	0.042692	0.3573	-0.14456	0.00174
0.88431	-0.04807	0.2999	0.035705	0.44144	0.050353	0.27752	0.024342	0.59979
5.79E-07	0.298549	4.54E-11	0.017521	0.7057	0.135893	0.00326	0.063115	0.17331
3.99E-05	-0.16544	0.00033	-0.05693	0.21943	-0.0524	0.25841	0.001304	0.97758
0.04172	0.231216	4.38E-07	0.071729	0.12164	0.118506	0.01037	0.02036	0.66077
0.71484	0.034672	0.45477	0.003585	0.93841	-0.01997	0.66684	0.186245	5.13E-05
0.01318	0.034334	0.45918	-0.06764	0.14442	-0.04765	0.30416	0.065939	0.15483
0.0024	-0.18665	4.94E-05	-0.04056	0.38186	0.004964	0.9148	-0.23095	4.51E-07
0.001	0.18603	5.24E-05	0.078904	0.08853	-0.02428	0.60075	0.048486	0.29574

9.31E-05	0.262267	8.74E-09	0.177358	0.00012	0.118579	0.01033	0.060068	0.19506
2.16E-13	0.072231	0.11905	-0.14546	0.00162	-0.10601	0.02195	0.067093	0.14772
0.00018	0.187926	4.38E-05	0.043591	0.34725	0.231319	4.32E-07	0.021805	0.63836
0.13778	0.045737	0.32401	0.086678	0.06126	0.083525	0.07134	0.05802	0.21074
0.44992	0.005413	0.90712	-0.02271	0.62442	-0.00537	0.90782	-0.10529	0.02287
4.61E-08	0.339413	4.70E-14	-0.00276	0.9526	0.029328	0.52724	0.153055	0.00091
4.21E-07	-0.23879	1.77E-07	-0.16682	0.00029	0.007822	0.86613	-0.16961	0.00023
0.33089	0.045487	0.32666	0.046256	0.31855	0.044026	0.34246	0.053976	0.24436
3.60E-12	0.364148	4.33E-16	0.100297	0.03023	0.181997	7.64E-05	-0.07673	0.0977
0.17401	0.107085	0.02064	0.124036	0.00728	0.217664	2.05E-06	0.035992	0.43777
0.18457	0.071359	0.12358	-0.14074	0.0023	0.062938	0.17452	0.052444	0.25803
0.00783	-0.05955	0.19896	0.045862	0.32269	0.063414	0.17128	-0.06161	0.18384
9.60E-06	0.255509	2.14E-08	0.108322	0.01921	0.081062	0.08012	0.149555	0.00119
0.25351	0.078299	0.09101	0.099056	0.03234	0.057459	0.2152	0.050757	0.27367
7.44E-08	0.261947	9.13E-09	0.139842	0.00246	0.022729	0.62419	0.218157	1.94E-06
0.25028	-0.04564	0.32502	-0.02094	0.6518	-0.03696	0.42555	-0.01646	0.72277
0.00749	0.250947	3.87E-08	0.083138	0.07267	0.147684	0.00137	0.029441	0.52564
0.9774	0.060167	0.19432	0.086727	0.06111	0.087835	0.05787	0.030488	0.51102
2.10E-10	-0.24921	4.83E-08	-0.02037	0.66056	-0.0862	0.0627	-0.00857	0.85346
0.40666	0.133475	0.00386	0.028816	0.53447	0.283418	4.47E-10	-0.02333	0.61508
0.00825	0.183322	6.75E-05	0.065317	0.15876	0.079998	0.08419	0.015068	0.74536
0.42466	0.09223	0.04637	0.084987	0.06651	0.041	0.37669	0.095325	0.03948
0.11885	-0.01548	0.73872	0.071627	0.12217	0.03802	0.41238	-0.02084	0.65329
0.04106	0.108116	0.01944	0.09789	0.03444	0.04835	0.29711	0.011331	0.80706
0.30711	0.093783	0.0428	0.115222	0.01272	0.055876	0.22813	0.01706	0.71308
0.17976	-0.01357	0.76992	0.080474	0.08235	-0.0073	0.87503	0.025607	0.58096
0.88306	-0.08544	0.06506	-0.00947	0.8383	-0.01762	0.70416	0.04693	0.31154
0.1551	0.019631	0.67221	0.03808	0.41164	0.014278	0.75829	-0.02859	0.53763
0.38859	0.0625	0.17755	0.076302	0.09958	-0.09538	0.03936	0.106324	0.02156
0.05056	-0.04887	0.29189	0.102407	0.0269	-0.10562	0.02244	-0.10828	0.01926
0.00413	-0.02964	0.52281	0.003744	0.93569	0.010401	0.82262	0.03532	0.44637
3.67E-09	0.363132	5.29E-16	0.028383	0.54064	-0.04702	0.31057	0.052905	0.25386
0.00061	0.185111	5.71E-05	-0.04599	0.32135	0.050205	0.27893	0.036175	0.43545
0.78616	0.075096	0.10507	-0.06958	0.13326	0.07141	0.12331	-0.19811	1.61E-05
0.10932	0.084525	0.06801	-0.04113	0.37519	-0.08969	0.05276	0.004948	0.91507
0.84903	0.11857	0.01033	0.04711	0.30968	0.056524	0.22277	0.186525	5.00E-05
0.01017	0.065454	0.15789	-0.03691	0.42621	-0.09826	0.03377	0.158121	0.0006
0.00014	0.20028	1.30E-05	0.055294	0.23301	0.139977	0.00243	0.034081	0.4625
0.83331	-0.00499	0.91428	-0.01585	0.73262	-0.04895	0.29114	-0.06969	0.13265
5.86E-05	0.304716	1.72E-11	0.051954	0.26251	0.083645	0.07093	-0.10066	0.02963
0.46372	0.066392	0.15201	0.120654	0.00906	0.11092	0.01649	0.05251	0.25743
0.26767	0.030779	0.50701	0.127469	0.00581	0.160673	0.00049	0.02496	0.59055
0.00347	0.348049	9.58E-15	0.169895	0.00023	0.001152	0.98019	0.059538	0.19903
0.97289	0.004625	0.9206	0.073782	0.11131	0.042994	0.3539	0.023575	0.61134
0.00049	-0.14647	0.0015	0.101352	0.02852	-0.05579	0.22886	0.083491	0.07146

0.45377	-0.02262	0.62592	0.045269	0.32899	-0.04487	0.33326	0.020254	0.66242
0.96281	0.087972	0.05747	0.058585	0.20633	0.109486	0.01794	0.141663	0.00215
4.36E-06	-0.15543	0.00075	-0.0399	0.38967	0.007622	0.86951	-0.11931	0.00986
0.00342	0.253061	2.95E-08	0.026643	0.56575	0.337121	7.10E-14	0.041487	0.37105
0.01077	0.195621	2.07E-05	0.075494	0.10323	0.147219	0.00142	0.013756	0.76685
0.04528	0.050924	0.2721	0.034908	0.45171	0.075524	0.10309	0.024899	0.59147
0.76612	0.190347	3.47E-05	0.042274	0.36203	0.096552	0.037	0.088541	0.05587
0.5924	0.055438	0.2318	0.165857	0.00032	-0.00079	0.98639	0.073129	0.11452
0.83427	-0.06437	0.16491	0.062389	0.17832	0.058523	0.20681	0.074999	0.10552
9.25E-07	0.122483	0.00805	0.011159	0.80993	0.008426	0.8559	0.125254	0.00672
0.15677	0.126816	0.00606	0.033105	0.47543	-0.01032	0.82396	-0.0104	0.82264
0.55129	-0.06167	0.18339	-0.00562	0.90359	-0.04223	0.36251	-0.04874	0.29323
0.10608	0.008531	0.85412	0.075794	0.10186	0.002046	0.96483	0.030795	0.50678
0.68975	0.124007	0.0073	0.060782	0.18979	0.036572	0.43042	0.006206	0.89359
0.91247	0.046596	0.31499	0.126085	0.00637	0.076454	0.09891	0.013436	0.77213
0.17056	0.162615	0.00042	0.056537	0.22266	0.022627	0.62574	-0.0127	0.78431
0.01615	-0.02104	0.65018	0.008143	0.86069	0.02255	0.62691	-0.0831	0.07281
0.01348	0.076314	0.09953	0.026541	0.56724	0.088501	0.05598	-0.00569	0.90246
0.35389	0.139062	0.0026	0.026998	0.56058	0.022374	0.62962	0.030748	0.50743
0.32834	0.060761	0.18994	0.023398	0.61402	0.130864	0.00462	-0.02164	0.64085
0.23426	-0.00933	0.84071	0.02845	0.53969	0.042147	0.36347	0.057094	0.21813
0.04235	-0.07963	0.08563	-0.07641	0.0991	0.024331	0.59995	-0.12801	0.0056
2.34E-05	0.258925	1.37E-08	-0.06688	0.149	0.074854	0.10619	0.05951	0.19924
0.5284	0.046927	0.31157	0.022732	0.62415	0.041817	0.36724	-0.02321	0.61692
0.55711	0.053382	0.2496	0.112289	0.01519	0.073113	0.1146	0.04627	0.3184
0.08257	0.086388	0.06213	0.077006	0.09649	-0.01309	0.77778	0.151959	0.00099
0.23694	0.116057	0.01208	0.052181	0.26043	0.086198	0.06271	0.054137	0.24296
0.0008	0.187253	4.66E-05	0.30793	1.03E-11	0.054885	0.2365	0.126276	0.00629
7.92E-09	-0.31731	2.20E-12	-0.08565	0.06439	-0.17411	0.00016	-0.17326	0.00017
0.53593	-0.04512	0.33055	-0.04377	0.34526	0.063313	0.17197	-0.02247	0.62813
0.09034	-0.03054	0.51028	0.029496	0.52488	0.027856	0.54819	-0.03574	0.44101
2.20E-10	0.281611	5.82E-10	-0.0291	0.53046	0.141725	0.00214	0.192186	2.90E-05
0.27911	0.098288	0.03371	0.025281	0.58579	-0.03002	0.51752	-0.01204	0.79521
0.04977	0.164028	0.00037	0.139058	0.0026	-0.00901	0.84597	-0.11641	0.01182
0.61621	-0.23608	2.45E-07	-0.09262	0.04544	-0.17603	0.00013	-0.07021	0.12974
0.06697	-0.13533	0.00339	-0.00944	0.83877	-0.00738	0.87357	0.032258	0.48679
5.98E-07	-0.25912	1.33E-08	-0.03165	0.49499	-0.01969	0.67123	-0.08776	0.05807
0.90768	-0.06318	0.17288	-0.07144	0.12314	0.054207	0.24235	-0.05159	0.26589
0.09855	-0.24407	9.23E-08	-0.02374	0.60886	-0.03772	0.41612	-0.09555	0.03902
4.64E-06	0.284506	3.81E-10	0.097604	0.03498	0.108992	0.01847	0.096532	0.03704
0.00448	0.410182	2.23E-20	0.130388	0.00477	0.155359	0.00075	0.036098	0.43643
0.06019	0.10266	0.02653	0.310024	7.32E-12	0.170586	0.00021	0.037859	0.41437
0.05758	-0.06185	0.18208	0.053561	0.24801	0.014497	0.75469	-0.01137	0.8064
0.00088	0.112809	0.01472	-0.08679	0.06093	0.009447	0.83866	-0.02868	0.53635
0.00411	0.222211	1.24E-06	-0.00773	0.86772	0.017717	0.70256	0.117036	0.01137

0.98372	-0.01342	0.77239	-0.03557	0.44319	-0.0277	0.55049	-0.02639	0.56946
0.26734	-0.06481	0.16206	0.243986	9.33E-08	0.041736	0.36817	0.060836	0.1894
0.92095	-0.01443	0.75575	-0.01613	0.72815	0.036786	0.42773	-0.05867	0.20565
0.01147	0.037576	0.41786	0.144512	0.00174	-0.00544	0.90673	0.110578	0.01682
0.0789	-0.04417	0.3409	0.04899	0.29075	0.021776	0.6388	0.050997	0.27141
0.16431	0.206102	7.11E-06	0.032275	0.48656	0.013016	0.77906	-0.03353	0.46973
0.45301	-0.01149	0.80441	0.01408	0.76153	0.027348	0.55551	-0.05069	0.27432
0.72472	-0.02189	0.63698	-0.00116	0.97997	0.005093	0.91259	-0.02164	0.64084
9.61E-05	-0.16847	0.00026	-0.01177	0.79966	0.066957	0.14854	-0.00321	0.94484
0.00066	-0.12971	0.00499	0.035113	0.44905	0.003857	0.93374	-0.04878	0.29285
0.52953	-0.03119	0.50134	0.005051	0.91332	-0.02206	0.63439	0.019691	0.67125
0.67769	-0.00877	0.85014	0.000601	0.98966	0.001774	0.9695	-0.00056	0.99038
3.94E-05	-0.14702	0.00144	0.004985	0.91444	-0.00306	0.94745	0.061487	0.18469
0.04668	-0.11841	0.01044	0.024792	0.59305	-0.06761	0.14459	0.050365	0.2774
0.03887	-0.0705	0.12815	0.074174	0.10942	0.082844	0.07369	0.060909	0.18886
0.44666	-0.00669	0.88531	0.049569	0.28508	0.071326	0.12376	-0.01278	0.78289
0.00546	0.180262	8.96E-05	0.077528	0.09424	0.023377	0.61433	0.124392	0.00712
0.12578	-0.19039	3.45E-05	0.049989	0.28101	-0.04821	0.29855	-0.10892	0.01855
0.06683	0.081717	0.07771	-0.01952	0.67388	-0.07221	0.11915	-0.1618	0.00045
0.46112	0.082077	0.07641	0.114518	0.01328	0.047931	0.30132	0.061966	0.18129
0.96735	0.032816	0.47928	0.027483	0.55356	0.138992	0.00261	0.014041	0.76216
0.51807	0.045062	0.33121	0.003518	0.93955	0.039517	0.39421	0.010782	0.81624
0.19888	0.063717	0.16924	0.032578	0.48248	0.036843	0.42702	0.112618	0.0149
0.53737	-0.02611	0.57362	0.0625	0.17755	0.041311	0.37308	0.071627	0.12218
0.10111	-0.06729	0.14656	0.057051	0.21848	0.014067	0.76175	-0.04088	0.37814
0.00589	0.156283	0.0007	0.173073	0.00017	0.069181	0.13549	0.054928	0.23613
0.83626	0.145771	0.00159	0.02444	0.59832	0.020813	0.65371	-0.06275	0.17584
0.42427	0.111245	0.01617	0.02724	0.55707	0.020157	0.66394	0.028872	0.53369
0.24812	0.042245	0.36236	-0.00168	0.9712	0.027391	0.55488	0.031315	0.49962
0.28357	0.226198	7.84E-07	0.089748	0.0526	0.146121	0.00154	0.031091	0.5027
0.00017	-0.17498	0.00014	0.153634	0.00087	0.021529	0.64261	-0.05556	0.23078
0.69721	0.07916	0.0875	0.062686	0.17626	0.002274	0.96092	0.052429	0.25816
0.40495	0.028535	0.53848	0.044967	0.33223	0.042851	0.35551	0.05575	0.22918
0.35978	0.021552	0.64225	0.038437	0.40726	0.030509	0.51074	0.027817	0.54874
0.26122	0.100486	0.02992	0.126632	0.00614	0.286597	2.80E-10	0.100666	0.02962
0.21581	-0.02127	0.64657	-0.04935	0.28717	-0.00532	0.90865	0.049646	0.28433
0.77947	0.027755	0.54964	0.006723	0.88479	0.007738	0.86754	-0.02126	0.6468
0.21592	0.133859	0.00376	0.078636	0.08962	0.083652	0.07091	0.012037	0.79531
0.56908	0.1303	0.0048	-0.15252	0.00094	0.011451	0.80505	-0.1345	0.00359
3.57E-13	0.287536	2.43E-10	0.030781	0.50697	0.051287	0.26869	-0.00814	0.86075
4.64E-15	0.346957	1.17E-14	0.017269	0.70973	0.013506	0.77098	0.154861	0.00079
0.00097	0.183002	6.96E-05	0.082324	0.07552	0.101183	0.02879	0.050674	0.27447
0.30689	-0.04454	0.3368	0.039469	0.39479	0.00772	0.86785	-0.10841	0.01911
0.19863	0.167675	0.00027	0.082287	0.07565	0.036808	0.42745	-0.05005	0.2804
1.91E-12	-0.25716	1.73E-08	0.243618	9.76E-08	0.011779	0.79959	-0.20514	7.86E-06

7.54E-11	0.444355	5.08E-24	0.326592	4.55E-13	0.044027	0.34245	0.098775	0.03284
0.72701	0.058817	0.20454	0.094869	0.04044	0.021713	0.63977	0.147984	0.00134
0.63167	-0.06273	0.17595	-0.03281	0.47934	-0.09867	0.03302	-0.18076	8.56E-05
0.07524	-0.01606	0.72928	0.053616	0.24753	0.015836	0.73286	-0.19874	1.52E-05
0.31368	0.112485	0.01501	0.080338	0.08287	0.120955	0.00888	-0.04739	0.30677
0.0078	0.177144	0.00012	0.049919	0.28169	0.044079	0.34187	0.071578	0.12243
0.04385	0.061027	0.18801	-0.0004	0.99309	-0.03549	0.44422	0.053985	0.24428
0.28758	0.026279	0.57108	0.056362	0.2241	0.082948	0.07333	-0.11045	0.01695
0.17926	-0.03891	0.40152	0.021502	0.64303	0.14899	0.00124	-0.05131	0.26846
0.07905	-0.01796	0.69873	-0.04496	0.33236	0.090542	0.05053	-0.15324	0.00089
0.55042	0.044424	0.33811	0.083374	0.07185	-0.00657	0.88736	-0.14204	0.00209
0.04102	0.242132	1.17E-07	0.095125	0.0399	0.171004	0.0002	-0.02334	0.61488
0.00128	0.262976	7.95E-09	0.086051	0.06316	0.147851	0.00135	0.059335	0.20057
0.00175	0.276157	1.28E-09	0.060844	0.18933	0.204414	8.48E-06	0.114709	0.01312
0.00059	-0.08097	0.08046	0.017451	0.70681	0.079138	0.08758	-0.1001	0.03056
3.81E-05	0.308811	8.91E-12	0.071007	0.12545	0.188224	4.25E-05	0.11019	0.01721
0.76379	0.012919	0.78068	0.389432	2.32E-18	0.042044	0.36465	0.00531	0.90889
0.17689	0.069083	0.13604	0.02377	0.60839	0.025727	0.57919	0.006109	0.89525
0.29148	0.089593	0.05301	0.043785	0.34511	0.092086	0.04671	0.000622	0.98931
0.10497	0.177954	0.00011	0.074704	0.1069	0.022674	0.62502	0.055094	0.23472
0.68334	-0.06478	0.16224	-0.08586	0.06375	-0.17545	0.00014	-0.13936	0.00254
0.2462	-0.036	0.43772	0.056248	0.22504	-0.00692	0.88141	-0.22468	9.34E-07
0.07513	0.165587	0.00033	0.011916	0.79732	-0.00652	0.88828	-0.04222	0.36265
2.10E-08	0.348324	9.10E-15	0.06171	0.1831	0.095555	0.039	0.071326	0.12376
0.00089	0.221899	1.28E-06	0.017066	0.71299	0.175369	0.00014	0.038297	0.40897
0.00952	0.257164	1.72E-08	0.138192	0.00277	0.067218	0.14696	0.149603	0.00118
0.01647	0.163783	0.00038	0.045375	0.32786	0.001956	0.96637	0.085218	0.06577
2.53E-06	0.30168	2.78E-11	0.077173	0.09576	0.076809	0.09735	0.068505	0.13936
0.14352	0.03321	0.47403	-0.00436	0.92518	-0.01218	0.79294	0.006039	0.89644
0.85483	0.012804	0.78257	0.030128	0.51603	-0.00123	0.97886	-0.03871	0.40399
0.11861	0.043287	0.35063	0.039185	0.39819	0.012002	0.79588	0.148432	0.0013
0.23015	0.007217	0.87638	-0.02581	0.57794	-0.03148	0.49741	-0.15724	0.00065
0.00179	0.215157	2.70E-06	0.016309	0.7252	-0.00943	0.839	0.063646	0.16972
0.93316	0.050258	0.27843	-0.05523	0.23356	0.043415	0.3492	-0.15385	0.00085
0.78797	-0.07566	0.10245	-0.00319	0.94515	-0.04453	0.33691	0.00106	0.98177
0.02253	0.050312	0.27791	0.068421	0.13985	0.089833	0.05238	0.063093	0.17347
0.12173	0.122801	0.00789	0.028384	0.54063	0.079614	0.08569	0.184218	6.21E-05
0.13843	0.271883	2.34E-09	-0.01734	0.70857	0.025351	0.58475	-0.1062	0.02172
0.60567	0.029743	0.52142	0.055429	0.23188	0.029304	0.52759	0.082176	0.07605
3.17E-06	0.13383	0.00376	0.039082	0.39944	0.048793	0.2927	-0.11523	0.01271
5.61E-05	-0.2906	1.54E-10	-0.01399	0.76296	-0.0467	0.31387	0.097202	0.03574
0.19497	-0.14001	0.00243	-0.18439	6.11E-05	-0.0216	0.64157	-0.19025	3.50E-05
0.00527	-0.15518	0.00077	0.123519	0.00753	-0.03333	0.47249	-0.1089	0.01857
0.0385	-0.18943	3.79E-05	0.022496	0.62775	-0.05754	0.21457	-0.08623	0.06262
0.45251	0.219493	1.68E-06	0.115206	0.01273	0.079388	0.08659	0.073843	0.11101

0.00056	-0.03089	0.50551	-0.05782	0.21236	0.021435	0.64406	-0.09244	0.04588
0.60258	0.094024	0.04226	0.060536	0.19159	0.030904	0.50528	0.05293	0.25364
0.00243	0.260102	1.17E-08	0.042914	0.3548	0.042988	0.35397	0.094583	0.04105
0.11886	-0.08863	0.05562	-0.02039	0.66033	-0.02649	0.56797	-0.01708	0.71282
0.15918	-0.13142	0.00444	0.02306	0.61915	0.028326	0.54146	0.015	0.74647
0.06249	0.003785	0.93499	0.041232	0.37399	0.104315	0.02417	0.00627	0.89251
0.00046	0.296066	6.67E-11	0.039514	0.39424	0.166416	0.0003	-0.08938	0.05357
0.22235	0.141716	0.00214	0.061111	0.1874	0.227934	6.42E-07	0.028542	0.53838
0.67668	-0.04393	0.34347	0.287291	2.52E-10	0.069354	0.13451	-0.01693	0.71514
0.45874	-0.00664	0.88625	0.010884	0.81454	0.000965	0.98341	0.061518	0.18447
0.02035	0.144476	0.00175	0.121631	0.00851	0.028519	0.5387	0.089442	0.05341
0.81679	-0.04138	0.37226	0.217879	2.00E-06	0.008151	0.86055	0.014872	0.74856
0.00441	0.231358	4.30E-07	0.066409	0.1519	0.136573	0.0031	0.139245	0.00256
0.00449	-0.20119	1.18E-05	-0.02671	0.56476	-0.02457	0.59633	0.027503	0.55327
0.07533	0.0735	0.11268	0.004728	0.91883	-0.02658	0.56668	0.103162	0.02579
0.69893	0.046665	0.31428	0.125358	0.00668	-0.01212	0.79389	-0.01036	0.82334
0.24863	-0.03513	0.44885	0.044419	0.33816	0.054333	0.24125	0.031251	0.50051
0.01933	0.169111	0.00024	0.0106	0.81929	0.081205	0.07959	0.143793	0.00184
3.94E-11	0.252342	3.23E-08	-0.01774	0.70219	0.052013	0.26196	0.0695	0.13369
0.33215	0.132403	0.00415	0.070098	0.13037	0.217291	2.14E-06	0.000107	0.99817
0.89578	0.007471	0.87208	0.149037	0.00124	0.089213	0.05403	0.130347	0.00478
0.06936	0.149056	0.00124	0.036142	0.43586	0.072413	0.11812	0.083697	0.07076
0.36969	-0.03019	0.51519	0.005064	0.91309	-0.00479	0.91785	-0.05547	0.23151
0.28752	0.087533	0.05874	0.032032	0.48986	0.019428	0.67539	0.106153	0.02177
0.4555	0.007906	0.8647	0.051471	0.26697	0.021607	0.64141	0.089393	0.05355
0.04156	-0.08022	0.08331	0.071713	0.12173	0.033787	0.46638	0.044963	0.33227
0.22476	0.095388	0.03935	0.026497	0.56788	0.033709	0.4674	0.203034	9.78E-06
0.01223	0.210012	4.71E-06	0.14537	0.00163	0.039119	0.39899	0.017707	0.70272
0.02387	0.17053	0.00021	0.03981	0.39071	0.085376	0.06527	0.118622	0.0103
0.36086	0.027974	0.54649	0.059166	0.20185	0.06737	0.14605	0.170873	0.00021
0.27545	0.067419	0.14576	0.030586	0.50967	-0.03543	0.44499	0.030492	0.51097
0.00652	0.129899	0.00493	0.040066	0.38766	0.071341	0.12368	0.110384	0.01702
0.07451	-0.10156	0.0282	-0.01147	0.80475	-0.01476	0.75034	0.106156	0.02177
0.14553	-0.02471	0.59428	0.030104	0.51637	0.04786	0.30204	0.110443	0.01696
0.25894	-0.02611	0.57355	0.048382	0.29679	0.073422	0.11307	0.154587	0.0008
0.5189	0.079692	0.08538	-0.02372	0.60912	0.02323	0.61656	0.142698	0.00199
0.97086	0.04734	0.30733	0.072406	0.11816	0.02699	0.56071	-0.08124	0.07946
0.68492	0.058024	0.21072	0.021038	0.65021	0.078487	0.09023	0.072444	0.11796
0.00609	-0.0306	0.50945	0.022378	0.62955	0.037781	0.41533	0.052088	0.26128
0.85781	0.082314	0.07556	0.17154	0.0002	0.02374	0.60885	0.044627	0.3359
0.34551	0.087726	0.05818	0.274107	1.71E-09	-0.02239	0.62936	-0.04551	0.32643
0.18587	0.109833	0.01758	0.028188	0.54343	0.017658	0.7035	0.051644	0.26537
0.93414	0.134936	0.00348	0.287793	2.34E-10	0.037299	0.4213	-0.06982	0.13189
0.4221	0.077593	0.09397	0.061441	0.18502	0.085232	0.06573	0.0972	0.03574
0.89925	0.024973	0.59037	0.054588	0.23904	0.047824	0.3024	-0.01748	0.70635



0.48479	-0.01256	0.78659	0.049095	0.28971	0.091829	0.04733	0.072846	0.11593
0.49905	0.078035	0.0921	0.048436	0.29625	0.043057	0.3532	0.048665	0.29397
0.13744	-0.00597	0.89768	-0.01536	0.74052	0.008472	0.85511	0.052332	0.25904
0.84589	0.112381	0.01511	-0.00656	0.88748	-0.00504	0.91349	-0.01132	0.80723
0.08034	0.124039	0.00728	0.121614	0.00852	0.066228	0.15302	0.257607	1.63E-08
0.49124	0.075849	0.10161	0.03199	0.49043	0.028418	0.54015	0.064559	0.16367
0.58792	0.022041	0.63472	0.054323	0.24134	0.052714	0.25558	0.010814	0.81571
0.96454	0.033988	0.46373	0.03115	0.50189	0.038749	0.40347	0.021266	0.64668
0.00174	0.276126	1.28E-09	0.085804	0.06393	0.311433	5.82E-12	0.10446	0.02398
0.51038	0.093678	0.04303	0.039459	0.3949	0.049435	0.28639	0.218967	1.78E-06
0.81361	-0.13681	0.00305	-0.00808	0.86179	-0.02599	0.57533	-0.01852	0.68979
0.79098	0.044894	0.33302	0.063292	0.17211	0.135383	0.00338	0.091123	0.04907
0.78761	0.085158	0.06596	0.085315	0.06546	0.007029	0.87958	0.052381	0.2586
0.00621	0.135295	0.0034	0.034141	0.46171	0.031909	0.49153	0.032705	0.48077
0.62212	-0.01413	0.76073	0.149261	0.00122	0.039734	0.39161	0.08272	0.07412
0.41734	-0.07942	0.08645	0.117103	0.01132	0.017609	0.70428	0.082439	0.07511
0.28699	-0.01775	0.70195	0.043432	0.34902	0.077567	0.09408	0.021241	0.64706
0.06663	0.072247	0.11897	-0.02585	0.57743	0.018306	0.69317	0.010834	0.81537
0.7228	-0.02256	0.62679	0.054397	0.2407	0.070029	0.13075	0.068561	0.13904
0.85312	0.065238	0.15927	0.044124	0.34139	0.025627	0.58067	-0.04029	0.38505
0.02653	0.186064	5.22E-05	-0.0541	0.24331	0.057803	0.21246	0.048417	0.29643
0.00088	-0.2718	2.36E-09	-0.07288	0.11576	-0.10345	0.02538	-0.00392	0.93268
0.00126	-0.30097	3.11E-11	-0.0828	0.07383	-0.11499	0.0129	0.011455	0.80499
0.7561	0.075457	0.1034	-0.05236	0.25883	-0.02019	0.66341	-0.09117	0.04895
1.06E-06	0.319725	1.47E-12	0.030159	0.5156	0.015007	0.74636	0.098507	0.03332
1.58E-07	0.357745	1.52E-15	0.082918	0.07343	0.036999	0.42505	0.177173	0.00012
6.66E-16	-0.22352	1.06E-06	-0.03281	0.47941	-0.04312	0.35253	-0.15481	0.00079
0.18232	-0.15385	0.00085	0.06826	0.14079	-0.10076	0.02947	-0.03675	0.42822
0.00018	-0.34285	2.51E-14	-0.04307	0.35308	-0.11613	0.01202	-0.02742	0.55444
0.00801	-0.14184	0.00212	-0.03484	0.45253	-0.22224	1.23E-06	0.023556	0.61163
0.02895	0.154806	0.00079	0.077385	0.09485	0.070065	0.13056	-0.01346	0.77178
0.18708	-0.07783	0.09295	0.015012	0.74627	0.000857	0.98526	0.07305	0.11491
0.5593	0.129076	0.00521	0.039869	0.39	0.208836	5.33E-06	0.019899	0.668
0.88736	0.081052	0.08016	0.056882	0.21985	0.023999	0.60494	-0.00017	0.99703
0.52732	0.060093	0.19487	0.031454	0.49772	0.011498	0.80428	0.008344	0.85727
0.11458	0.083701	0.07074	0.030504	0.51081	0.007539	0.87092	-0.02254	0.62715
0.90513	0.021884	0.63713	-0.02541	0.58381	0.02938	0.52651	-0.00522	0.91035
0.93481	0.128622	0.00537	0.126285	0.00628	0.215599	2.58E-06	0.061464	0.18486
0.02087	0.006041	0.89641	0.044198	0.34058	0.016759	0.71794	-0.03219	0.48766
0.14219	0.097001	0.03612	0.402096	1.42E-19	0.091599	0.04789	0.053396	0.24947
0.34128	0.140451	0.00235	0.077099	0.09608	0.147165	0.00143	0.11665	0.01165
0.1269	0.01604	0.72955	0.221486	1.34E-06	0.096224	0.03765	0.252427	3.20E-08
0.11932	-0.1218	0.00842	-0.0025	0.95707	-0.05196	0.26241	-0.20572	7.40E-06
0.77337	0.04118	0.3746	0.180063	9.12E-05	0.028662	0.53667	0.023249	0.61628
2.45E-07	0.306392	1.32E-11	0.113521	0.01411	-0.00168	0.97107	0.184659	5.96E-05

0.00273	-0.02636	0.56982	0.143775	0.00184	0.032521	0.48326	-0.03698	0.42526
9.91E-09	0.311034	6.21E-12	0.068991	0.13657	0.052917	0.25375	0.144569	0.00173
0.62489	0.011788	0.79944	-0.08237	0.07535	-0.00509	0.91268	0.172773	0.00018
0.00011	-0.08929	0.05381	-0.02106	0.64987	0.087631	0.05845	-0.08753	0.05874
0.01792	-0.11649	0.01176	-0.13256	0.00411	0.074281	0.1089	-0.1928	2.73E-05
0.68683	-0.10901	0.01845	-0.11782	0.01083	-0.02482	0.59268	-0.0804	0.08264
0.05457	0.070862	0.12622	-0.05058	0.27535	0.007892	0.86493	-0.09801	0.03423
0.07696	0.238981	1.73E-07	0.063431	0.17117	0.103753	0.02495	0.127294	0.00587
0.00186	0.210159	4.64E-06	0.056693	0.22139	0.084623	0.06768	0.072644	0.11695
0.28684	0.128231	0.00552	0.075392	0.1037	0.103202	0.02573	0.070544	0.12794
0.00193	0.085708	0.06423	0.022871	0.62202	0.049782	0.28301	0.052651	0.25615
6.78E-14	0.386782	4.10E-18	0.035576	0.44309	0.032346	0.48561	0.032028	0.48991
0.43654	0.062569	0.17707	0.328495	3.27E-13	0.059128	0.20215	0.091626	0.04783
9.41E-09	-0.17562	0.00014	-0.02226	0.63133	-0.01584	0.73283	-0.06129	0.18607
0.37233	-0.02297	0.62059	-0.05373	0.24653	-0.05652	0.2228	0.016948	0.71489
0.01152	-0.18994	3.61E-05	-0.0628	0.17551	-0.01005	0.82858	-0.17288	0.00017
0.23933	-0.10876	0.01872	-0.02795	0.54682	-0.05067	0.27452	0.024182	0.60219
0.95274	0.016563	0.7211	0.109276	0.01817	-0.06465	0.16307	0.055148	0.23426
0.14966	0.144946	0.00169	0.033046	0.4762	0.003299	0.94332	0.028279	0.54212
0.10954	-0.06887	0.13724	-0.00785	0.86563	-0.04989	0.28197	-0.07312	0.11455
2.57E-06	-0.20538	7.67E-06	0.020739	0.65486	-0.01623	0.72644	-0.14739	0.0014
0.0181	0.086418	0.06204	0.048728	0.29334	0.149549	0.00119	0.206674	6.70E-06
0.02825	0.199712	1.37E-05	0.05497	0.23577	0.124543	0.00705	0.135117	0.00344
0.13108	0.181073	8.32E-05	0.064266	0.16559	0.038089	0.41153	0.188271	4.23E-05
0.02553	0.206059	7.15E-06	0.110996	0.01641	0.098615	0.03313	0.136326	0.00316
0.2245	0.047096	0.30983	0.063817	0.16857	0.055431	0.23186	0.06759	0.14474
5.79E-07	0.183189	6.84E-05	0.064213	0.16594	0.043717	0.34586	-0.13727	0.00295
1.31E-06	0.175562	0.00014	-0.06873	0.13805	-0.01768	0.7032	-0.00039	0.99324
0.10811	0.000215	0.99631	0.054876	0.23657	-0.03896	0.40092	-0.05253	0.25726
0.34005	0.037458	0.41933	0.103054	0.02595	0.041817	0.36724	-0.11871	0.01024
0.64702	0.050438	0.2767	-0.00367	0.93704	0.101907	0.02766	0.031686	0.49456
0.00081	0.279536	7.87E-10	0.151225	0.00105	0.07031	0.12921	-0.00192	0.96708
0.08367	0.143095	0.00194	0.128646	0.00537	-0.03468	0.45472	-0.04938	0.28695
0.84859	-0.04672	0.31367	0.025592	0.58118	-0.05513	0.23437	-0.06757	0.14485
2.45E-08	-0.25361	2.74E-08	-0.14934	0.00121	0.006449	0.88946	-0.07585	0.10161
0.01155	0.128263	0.00551	0.05081	0.27318	0.026762	0.56402	0.063137	0.17316
0.77179	0.142626	0.002	0.031309	0.49971	0.028117	0.54444	-0.04646	0.31641
7.40E-05	0.165879	0.00032	0.133227	0.00392	-0.03974	0.39157	0.075196	0.1046
3.40E-16	0.356679	1.86E-15	0.037029	0.42468	-0.02381	0.60773	0.202271	1.06E-05
0.00096	-0.19858	1.54E-05	0.078121	0.09175	-0.06495	0.16113	0.059164	0.20188
0.09034	-0.09122	0.04882	-0.03905	0.39988	-0.00412	0.92932	-0.06832	0.14041
0.02425	0.206277	6.98E-06	-0.02426	0.60106	-0.01646	0.72271	-0.11297	0.01458
0.14358	0.134836	0.00351	0.008348	0.85722	0.01648	0.72243	-0.00914	0.84388
0.00037	-0.10421	0.02431	-0.04124	0.37384	-0.03798	0.41283	-0.17083	0.00021
0.1615	0.090494	0.05066	0.070255	0.12951	0.0987	0.03297	0.080296	0.08303

0.01072	-0.1848	5.88E-05	0.047049	0.31031	-0.01048	0.82128	-0.18912	3.90E-05
0.02786	0.118945	0.01009	0.038932	0.40125	0.038174	0.41048	0.019786	0.66976
0.15156	0.149308	0.00121	-0.14196	0.0021	-0.03422	0.46071	-0.10602	0.02193
0.63006	0.11417	0.01356	0.010341	0.82362	0.016667	0.71942	-0.02114	0.64864
0.00547	0.167153	0.00029	0.107784	0.01982	0.09292	0.04475	0.048112	0.29949
0.04909	0.065123	0.16001	0.080225	0.0833	0.054216	0.24227	-0.0141	0.76119
0.4401	-0.00252	0.95662	0.338949	5.11E-14	0.041251	0.37378	-0.01527	0.74199
0.0095	0.044471	0.33759	0.037611	0.41743	-0.02457	0.59637	0.085051	0.0663
0.16591	0.034958	0.45105	0.097157	0.03582	0.039841	0.39034	-0.0098	0.8327
0.04607	-0.20393	8.92E-06	0.054852	0.23678	0.011438	0.80527	-0.01418	0.75992
0.053	0.019439	0.67522	0.139117	0.00259	0.142939	0.00196	0.124784	0.00694
0.91676	-0.01952	0.67389	-0.00462	0.92072	0.016551	0.72128	0.028265	0.54232
0.0201	0.052978	0.2532	-0.13185	0.00432	-0.07726	0.0954	0.085758	0.06407
0.24203	-0.01491	0.74791	0.059288	0.20092	-0.10928	0.01816	0.002073	0.96437
0.01083	0.293086	1.05E-10	0.023887	0.60664	0.008849	0.84874	-0.05239	0.25855
1.50E-07	0.260515	1.11E-08	0.05306	0.25247	0.106829	0.02094	0.188535	4.13E-05
0.00145	0.197129	1.78E-05	0.071871	0.12091	0.082141	0.07617	0.147115	0.00143
0.0093	0.1224	0.0081	0.065636	0.15674	0.083026	0.07305	0.119715	0.00961
0.00028	0.115093	0.01282	-0.06418	0.16613	-0.02878	0.53495	0.067045	0.14801
0.08544	0.091084	0.04917	0.053496	0.24859	0.189637	3.71E-05	0.023257	0.61615
0.32643	0.031847	0.49236	0.011812	0.79904	0.08788	0.05774	0.012564	0.78655
0.00053	0.248433	5.33E-08	0.04447	0.33761	0.073781	0.11131	0.193691	2.50E-05
0.1285	0.17174	0.00019	0.047255	0.30819	0.050395	0.27712	0.061745	0.18285
0.40458	0.106598	0.02122	0.059405	0.20004	0.029603	0.52338	0.143595	0.00186
0.39423	0.057015	0.21877	0.018449	0.69089	0.143074	0.00194	-0.01234	0.79029
0.38126	0.084678	0.06751	0.02133	0.64568	0.112133	0.01533	-0.02781	0.54892
0.54914	0.082923	0.07341	-0.0167	0.71887	0.026932	0.56155	0.117687	0.01092
0.16296	0.132897	0.00401	0.003167	0.94558	-0.00145	0.97515	0.111464	0.01596
0.02266	-0.01619	0.72713	0.027717	0.55019	0.073322	0.11356	0.104487	0.02394
0.1532	0.12787	0.00565	0.132842	0.00403	0.059931	0.19608	0.11749	0.01105
0.11138	0.146528	0.0015	0.044181	0.34075	0.022177	0.63264	0.009887	0.83125
0.00766	0.195601	2.07E-05	0.034294	0.45971	0.114264	0.01348	0.049732	0.28349
3.03E-05	0.299045	4.21E-11	0.021166	0.64823	0.002161	0.96285	0.118728	0.01023
0.02677	0.300913	3.14E-11	0.109211	0.01823	0.062789	0.17555	-0.02197	0.63575
0.14371	0.122367	0.00811	0.047542	0.30526	0.073799	0.11123	0.122165	0.00822
0.00113	0.273588	1.84E-09	0.072203	0.11919	0.311552	5.71E-12	0.096681	0.03674
0.00797	0.163432	0.00039	0.061628	0.18369	-0.00909	0.84464	0.103859	0.0248
0.00304	0.227537	6.72E-07	0.076732	0.09768	0.041003	0.37666	0.122037	0.00829
0.14219	0.131564	0.0044	0.096927	0.03627	-0.00692	0.88152	-0.00482	0.91719
0.09948	0.077008	0.09648	-0.02349	0.61265	-0.00517	0.91134	-0.0786	0.08978
5.35E-10	-0.17175	0.00019	-0.06547	0.15782	0.015855	0.73256	-0.13672	0.00307
0.06459	0.200891	1.22E-05	0.028265	0.54233	0.110165	0.01724	-0.01593	0.7314
0.00355	0.238039	1.94E-07	0.225184	8.81E-07	0.099522	0.03153	-0.06962	0.13304
0.32487	0.065515	0.15751	0.063558	0.17031	0.130485	0.00474	-0.15578	0.00073
0.11957	0.022741	0.624	0.016431	0.72322	-0.05282	0.25464	-0.02003	0.66597

0.08263	0.163054	0.0004	0.08856	0.05582	0.038954	0.40099	0.102948	0.0261
0.07313	0.067947	0.14262	0.023176	0.61739	0.061356	0.18563	-0.00163	0.97195
0.07925	0.158195	0.0006	0.02574	0.57901	-0.015	0.74643	-0.02728	0.55649
0.05051	0.047827	0.30237	0.061349	0.18568	-0.03178	0.49334	0.015165	0.74377
3.21E-06	-0.21933	1.71E-06	-0.11514	0.01278	-0.0475	0.30565	0.009659	0.83508
2.36E-06	0.152847	0.00092	-0.06305	0.17374	-0.01484	0.749	-0.00695	0.88093
0.00698	0.265414	5.71E-09	0.085761	0.06406	0.136487	0.00312	0.123095	0.00774
0.63107	0.080687	0.08154	0.115006	0.01289	0.071612	0.12226	0.034767	0.45354
3.38E-12	0.398137	3.44E-19	0.150644	0.00109	0.343887	2.07E-14	0.178121	0.00011
0.00273	-0.06248	0.17771	0.044478	0.33752	-0.02513	0.58797	-0.10303	0.02598
0.22872	0.012558	0.78666	-0.01723	0.71037	-0.01958	0.673	0.027132	0.55863
0.20396	-0.03067	0.50856	0.043247	0.35107	0.044984	0.33205	0.112964	0.01459
0.02592	0.279094	8.38E-10	0.07812	0.09175	0.059533	0.19907	-0.01724	0.71021
7.67E-07	0.287323	2.51E-10	0.13333	0.0039	0.051776	0.26415	-0.03903	0.40008
0.14885	0.202494	1.03E-05	0.11604	0.01209	0.105668	0.02238	0.117032	0.01137
0.30019	0.006997	0.88014	0.019348	0.67665	0.002048	0.9648	0.021256	0.64683
0.08528	-0.03165	0.49508	0.023026	0.61966	-0.01425	0.75867	-0.0897	0.05272
0.06901	-0.06396	0.1676	-0.06358	0.17016	0.026723	0.56459	0.022521	0.62736
0.03658	0.000212	0.99635	-0.12855	0.0054	-0.06663	0.15054	-0.09185	0.04729
0.1954	0.063068	0.17363	0.036631	0.42967	0.062226	0.17946	0.052427	0.25818
0.07454	-0.09237	0.04603	0.120434	0.00918	-0.03716	0.423	-0.03346	0.47064
0.25197	0.153083	0.0009	0.077641	0.09376	0.16122	0.00047	0.055422	0.23194
0.4206	0.013488	0.77128	0.180085	9.11E-05	0.229378	5.43E-07	0.010686	0.81785
0.02784	0.082003	0.07667	0.042962	0.35427	0.017255	0.70996	0.089825	0.0524
0.00258	0.062069	0.18056	-0.05609	0.22637	-0.01761	0.70428	-0.03944	0.39515
0.21977	-0.11342	0.01419	0.011543	0.80353	-0.02602	0.5749	-0.09698	0.03616
1.82E-06	0.250634	4.03E-08	0.057435	0.21539	-0.08284	0.07369	0.089947	0.05208
0.99567	0.140769	0.0023	0.014678	0.75173	0.013367	0.77328	-0.04726	0.30812
0.01762	-0.0857	0.06425	0.089916	0.05216	0.041262	0.37364	0.087715	0.05821
0.00819	0.055268	0.23324	-0.04834	0.29718	0.012292	0.79105	0.043709	0.34595
0.14438	-0.11405	0.01366	-0.05282	0.25465	-0.04836	0.297	-0.06334	0.17178
0.40819	0.139329	0.00255	0.014777	0.7501	0.060389	0.19268	0.034284	0.45984
0.89758	0.063171	0.17293	0.026231	0.57178	-0.00849	0.85483	-0.07049	0.12822
0.4473	0.114761	0.01308	0.067115	0.14758	0.050838	0.27291	-0.02195	0.63614
1.12E-05	-0.10472	0.02363	-0.02444	0.5983	-0.0535	0.24854	-0.1204	0.00921
0.34947	0.061657	0.18348	0.031868	0.49209	-0.01093	0.81381	0.048589	0.29472
0.17418	-0.05001	0.28084	0.177369	0.00012	0.125454	0.00664	-0.08826	0.05666
0.3756	-0.05928	0.20097	0.016622	0.72014	0.005578	0.90431	0.045048	0.33136
0.0257	-0.04735	0.30718	-0.0698	0.13203	-0.11462	0.0132	-0.06662	0.15062
0.3625	0.047797	0.30267	0.077154	0.09585	0.085394	0.06521	0.10686	0.02091
0.00235	0.314061	3.78E-12	0.147343	0.00141	0.002073	0.96436	0.045546	0.32603
0.07133	0.185813	5.35E-05	0.299327	4.02E-11	0.048627	0.29434	0.004148	0.92876
0.30142	0.00506	0.91316	-0.04203	0.36482	-0.08964	0.05289	-0.16497	0.00034
0.00828	0.143425	0.00189	0.003145	0.94595	-0.0328	0.47953	0.020562	0.65762
0.2136	0.018095	0.69652	-0.12338	0.0076	-0.08212	0.07624	0.046159	0.31956

0.49644	0.044203	0.34052	0.05365	0.24722	0.073184	0.11425	0.025657	0.58022
0.18132	0.163402	0.00039	0.100854	0.02932	0.030648	0.50881	0.024754	0.59362
2.71E-11	-0.40646	5.26E-20	-0.07124	0.12421	-0.08084	0.08095	-0.15948	0.00054
0.00227	-0.27394	1.75E-09	0.104004	0.0246	-0.07081	0.12651	-0.13528	0.0034
0.23556	-0.04817	0.29891	-0.00378	0.93504	0.028506	0.53889	-0.02385	0.60725
0.35643	0.157332	0.00064	0.12627	0.00629	0.107686	0.01993	0.08081	0.08107
0.07158	0.183184	6.84E-05	0.131326	0.00447	0.056779	0.22069	0.085221	0.06576
0.00704	0.091841	0.0473	0.055207	0.23376	0.037495	0.41887	0.072348	0.11845
6.00E-14	0.249225	4.82E-08	-0.00727	0.87543	-0.0676	0.14469	0.098033	0.03418
1.17E-10	-0.35456	2.80E-15	-0.13679	0.00306	-0.0933	0.04388	-0.11571	0.01234
0.56156	-0.02708	0.55939	-0.10914	0.01831	0.033972	0.46394	0.007203	0.87663
0.00418	-0.07663	0.09812	0.069788	0.13209	-0.05809	0.21017	-0.05777	0.21275
0.56809	-0.11797	0.01073	-0.11204	0.01542	-0.02686	0.56262	-0.13808	0.00279
2.60E-05	0.079878	0.08465	-0.04568	0.32463	-0.03576	0.44069	-0.16226	0.00043
0.08643	-0.10805	0.01952	0.033052	0.47613	-0.05801	0.21083	-0.02694	0.5614
0.08235	0.054986	0.23563	0.178687	0.0001	0.018817	0.68504	0.032638	0.48168
0.00309	0.24447	8.78E-08	0.165058	0.00034	0.019673	0.67154	0.121849	0.00839
0.00029	0.183473	6.66E-05	0.056145	0.22589	0.008215	0.85946	-0.03683	0.42722
9.12E-07	-0.30069	3.25E-11	-0.11951	0.00974	-0.14768	0.00137	-0.13007	0.00487
0.00665	-0.20652	6.81E-06	-0.01599	0.73043	-0.05322	0.25101	0.017608	0.70429
0.41542	0.186324	5.09E-05	0.002427	0.95828	0.111189	0.01622	-0.22171	1.31E-06
0.00701	0.245221	7.99E-08	0.05293	0.25364	0.052342	0.25895	-0.04249	0.35961
0.91858	0.118219	0.01056	0.087746	0.05812	0.007444	0.87253	-0.06643	0.15175
6.58E-05	0.000741	0.98726	0.103367	0.0255	-0.15044	0.00111	-0.05628	0.22478
0.00232	0.262065	8.98E-09	-0.06814	0.14147	-0.03495	0.45118	0.114185	0.01355
0.03962	-0.02676	0.56398	-0.15713	0.00065	-0.03231	0.48603	-0.06334	0.17175
0.00547	-0.12181	0.00841	0.066423	0.15181	0.067584	0.14477	-0.0295	0.52485
0.00089	0.00273	0.95308	-0.054	0.24417	-0.06728	0.1466	0.121704	0.00847
0.00284	0.136602	0.0031	0.124499	0.00707	0.034919	0.45156	0.146535	0.0015
0.78129	0.080026	0.08408	0.108992	0.01847	0.157316	0.00065	0.083671	0.07085
0.56705	0.021416	0.64435	0.097891	0.03444	-0.01823	0.69434	0.0066	0.88688
0.03528	0.187883	4.39E-05	0.116241	0.01194	0.022591	0.62629	0.071939	0.12055
0.23001	0.002224	0.96177	0.023742	0.60882	-0.00079	0.98646	0.089742	0.05262
1.16E-08	-0.29544	7.35E-11	-0.12116	0.00877	-0.03857	0.40567	-0.24905	4.93E-08
0.06056	0.15998	0.00052	0.083706	0.07073	0.063844	0.16839	0.142466	0.00203
1.48E-08	0.437669	2.83E-23	0.194634	2.28E-05	0.154007	0.00084	-0.05942	0.19992
0.00536	0.160799	0.00049	0.01618	0.72728	-0.05735	0.21607	0.019139	0.67996
1.69E-05	0.298505	4.57E-11	0.052547	0.25709	0.005642	0.90321	0.03363	0.46844
0.00118	-0.17108	0.0002	-0.04114	0.37508	-0.06112	0.18736	-0.10245	0.02683
0.30997	-0.03831	0.40883	-0.04808	0.29986	0.053894	0.24508	0.03761	0.41744
0.0001	-0.14849	0.00129	-0.05745	0.21529	-0.09728	0.03558	-0.06523	0.15934
0.22109	-0.03768	0.41662	0.054143	0.2429	0.043852	0.34437	-0.07457	0.10752
0.00012	-0.26929	3.35E-09	0.000301	0.99483	0.000593	0.9898	0.067702	0.14407
0.14588	-0.00742	0.87293	0.034739	0.4539	-0.12593	0.00643	-0.14285	0.00197
0.33026	0.049562	0.28515	0.054082	0.24343	-0.01549	0.73854	0.057335	0.21619

8.83E-07	-0.23451	2.96E-07	0.058859	0.20421	-0.09475	0.04069	-0.07376	0.11141
0.00622	0.236186	2.42E-07	0.090351	0.05103	0.092085	0.04672	0.157706	0.00063
0.07343	-0.01495	0.74736	-0.00887	0.84839	0.015408	0.73982	0.051613	0.26565
0.39103	-0.03861	0.40513	-0.08472	0.06738	-0.10501	0.02324	0.020159	0.66391
0.00046	-0.24604	7.22E-08	-0.09789	0.03445	-0.18083	8.50E-05	0.052117	0.26101
0.02143	-0.07276	0.11635	0.056985	0.21901	-0.00369	0.93653	0.054863	0.23669
0.10479	0.232997	3.55E-07	0.077731	0.09338	0.065073	0.16033	0.065569	0.15716
0.07035	0.024817	0.59269	-0.02126	0.64677	0.079814	0.0849	-0.12947	0.00507
9.37E-07	0.318246	1.88E-12	0.148187	0.00132	0.176093	0.00013	0.065118	0.16004
0.0825	0.161612	0.00045	0.323989	7.12E-13	0.094251	0.04176	0.024038	0.60435
0.98658	0.06422	0.16589	0.071602	0.12231	0.034342	0.45908	-0.01045	0.82181
0.38897	0.082279	0.07568	0.042663	0.35762	0.032078	0.48923	0.238366	1.86E-07
0.07483	0.035465	0.44452	-0.01673	0.71845	0.005324	0.90864	-0.05947	0.19954
0.3773	0.040743	0.37969	0.035293	0.44673	0.184652	5.96E-05	-0.04558	0.32565
0.00037	0.094737	0.04072	0.091527	0.04807	0.015555	0.73742	-0.09442	0.04139
0.70483	-0.01291	0.78088	0.065974	0.15461	-0.12344	0.00757	-0.03827	0.40934
0.3032	0.090982	0.04942	-0.09988	0.03093	0.028898	0.53331	-0.13169	0.00436
0.06557	-0.06912	0.13581	0.095905	0.03829	-0.14966	0.00118	-0.02748	0.55367
0.91906	0.076435	0.09899	0.001448	0.97511	0.05181	0.26384	0.039008	0.40032
0.23576	0.213732	3.16E-06	-0.03292	0.47795	0.112858	0.01468	0.112466	0.01503
0.03382	0.200684	1.24E-05	-0.0092	0.8429	-0.07311	0.1146	-0.09651	0.03709
0.011	0.261133	1.02E-08	0.116749	0.01157	0.158157	0.0006	-0.0223	0.63076
0.71218	0.178508	0.00011	0.042249	0.36232	0.105797	0.02222	0.060432	0.19236
0.64811	-0.0001	0.99822	0.022506	0.6276	-0.0206	0.65709	0.009701	0.83438
0.0616	-0.12876	0.00532	-0.1241	0.00725	-0.06068	0.19053	-0.22878	5.82E-07
2.44E-06	-0.23519	2.73E-07	-0.05564	0.23012	-0.08385	0.07025	-0.0548	0.23725
0.72046	-0.02232	0.63045	-0.0076	0.86985	-0.10865	0.01884	0.069668	0.13275
0.00205	0.153204	0.0009	0.074555	0.1076	0.028923	0.53297	0.112306	0.01518
5.86E-09	0.267552	4.26E-09	0.02541	0.58387	-0.01188	0.79796	0.161698	0.00045
0.11821	-0.05743	0.21544	0.02617	0.57268	0.005998	0.89714	-0.03465	0.45504
0.00316	-0.30175	2.75E-11	-0.15278	0.00093	-0.10273	0.02643	-0.06377	0.1689
0.02695	-0.14536	0.00164	-0.03371	0.46736	-0.05599	0.22719	0.010649	0.81846
0.02076	-0.06253	0.17734	-0.03461	0.45555	-0.00571	0.90197	-0.00192	0.96695
0.43431	-0.03054	0.51025	0.056855	0.22007	-0.0383	0.40896	-0.03099	0.50405
0.51159	0.017924	0.69924	-0.04353	0.3479	-0.01334	0.77378	-0.04691	0.31169
0.40835	-0.07272	0.11656	0.109851	0.01756	-0.05566	0.22992	0.019781	0.66984
0.06169	0.23867	1.79E-07	0.015266	0.74213	0.024262	0.60098	-0.01363	0.76887
0.91673	-0.09389	0.04255	0.150386	0.00112	-0.0389	0.40163	-0.12236	0.00812
2.79E-08	0.185568	5.47E-05	0.00446	0.92342	-0.08853	0.05591	0.062892	0.17484
0.10363	-0.02358	0.61122	0.035087	0.44938	-0.02793	0.54715	-0.09639	0.03732
0.32805	0.1007	0.02957	0.107844	0.01975	0.092733	0.04518	0.238912	1.74E-07
0.60218	0.039479	0.39466	0.085118	0.06609	0.107407	0.02025	-0.01467	0.75183
0.02001	0.2596	1.25E-08	0.074401	0.10833	0.125772	0.0065	-0.11832	0.01049
0.00165	0.36807	1.98E-16	0.176361	0.00013	0.121465	0.0086	0.03575	0.44086
0.62245	0.091387	0.04841	0.127691	0.00572	0.018574	0.6889	-0.05352	0.24835

4.68E-08	0.411543	1.63E-20	0.026832	0.563	0.140928	0.00227	-0.01476	0.75033
0.00809	0.035025	0.45019	0.06112	0.18733	0.03053	0.51045	-0.01172	0.80065
0.00244	0.31669	2.44E-12	0.058777	0.20484	0.151165	0.00105	0.030935	0.50485
0.00023	0.104581	0.02381	0.095274	0.03958	0.043109	0.35261	0.163141	0.0004
0.75148	-0.04383	0.34456	-0.15018	0.00113	-0.0503	0.27806	-0.05874	0.20514
0.04547	0.192156	2.91E-05	0.007427	0.87283	0.071006	0.12545	0.162818	0.00041
2.12E-08	-0.22793	6.42E-07	0.095196	0.03975	0.019159	0.67964	-0.02211	0.63366
0.04186	0.154393	0.00082	0.198946	1.48E-05	-0.05363	0.2474	0.073977	0.11036
0.13606	0.01521	0.74304	0.055673	0.22982	-0.06394	0.16777	-0.09033	0.05108
0.03725	-0.0657	0.15631	0.076419	0.09906	0.059191	0.20167	0.150333	0.00112
0.76647	0.04807	0.29992	0.058068	0.21037	0.050186	0.27912	-0.05012	0.27971
0.10045	0.068644	0.13856	-0.00462	0.92068	-0.06763	0.14451	-0.048	0.30061
0.85113	0.111674	0.01576	0.063181	0.17287	0.073885	0.11081	0.148844	0.00126
0.08133	-0.06923	0.13523	0.019935	0.66742	0.026675	0.56529	0.01562	0.73637
0.6066	0.074451	0.1081	0.087595	0.05856	0.042641	0.35787	0.05476	0.23757
0.00569	0.087202	0.0597	0.020192	0.6634	0.022128	0.63338	0.047242	0.30833
0.00284	-0.12826	0.00551	-0.02217	0.63273	-0.03457	0.45608	-0.08231	0.07558
0.25372	-0.01958	0.67297	-0.09475	0.04068	0.009209	0.84268	-0.052	0.26209
1.23E-07	-0.24404	9.26E-08	-0.09195	0.04705	-0.08548	0.06493	-0.09519	0.03975
0.09504	-0.09931	0.03191	0.080721	0.08141	-0.00243	0.95821	-0.0168	0.71727
0.76464	0.004855	0.91667	0.096855	0.03641	0.028832	0.53425	0.045202	0.32971
0.04366	0.186442	5.04E-05	0.041114	0.37536	0.185008	5.77E-05	-0.0372	0.42248
0.19216	0.034075	0.46258	-0.01647	0.7226	-0.01379	0.76626	-0.02756	0.55248
0.12667	0.134721	0.00354	0.175913	0.00013	0.106332	0.02155	0.005838	0.89986
0.03611	0.149609	0.00118	0.008232	0.85918	0.023976	0.60529	0.03817	0.41053
0.46806	0.065692	0.15639	0.044757	0.33449	0.104521	0.02389	0.038636	0.40484
0.27241	0.08938	0.05358	0.048502	0.29558	0.041085	0.3757	0.07432	0.10872
0.6495	0.088821	0.0551	0.077062	0.09625	0.041483	0.37109	0.013645	0.76868
0.50413	0.040596	0.38141	-0.03722	0.42231	0.020962	0.65139	0.117501	0.01105
0.51388	-0.10488	0.02341	-0.00701	0.87989	-0.07594	0.10119	0.03527	0.44702
0.28005	0.008135	0.86082	0.120348	0.00923	-0.00363	0.93769	-0.05132	0.26837
0.021	0.171959	0.00019	0.033649	0.4682	0.101453	0.02836	0.042362	0.36103
0.00028	0.012344	0.79021	-0.02924	0.5285	-0.05795	0.21133	0.020566	0.65756
0.00016	0.354907	2.62E-15	0.096931	0.03626	0.27761	1.04E-09	0.100686	0.02959
0.00077	0.236309	2.39E-07	0.153104	0.0009	0.091732	0.04757	0.073021	0.11505
0.40212	-0.08527	0.06559	-0.00198	0.96593	-0.03039	0.51238	0.102506	0.02676
3.68E-05	0.163068	0.0004	0.033408	0.47139	0.014131	0.76069	0.046017	0.32105
0.16457	-0.01971	0.67099	-0.00737	0.87378	-0.08388	0.07016	0.004114	0.92935
0.4683	0.069441	0.13402	0.020571	0.65748	0.027924	0.54722	0.027428	0.55436
0.11477	-0.14195	0.00211	0.039412	0.39547	0.01533	0.74109	-0.01042	0.82234
0.00916	0.06541	0.15817	0.009132	0.84397	0.003798	0.93477	0.057977	0.21108
0.92948	-0.00301	0.94826	-0.01663	0.72008	-0.01434	0.75722	-0.03863	0.40497
0.0001	-0.12158	0.00854	-0.15768	0.00063	-0.05663	0.2219	-0.09177	0.04747
2.85E-05	0.191747	3.03E-05	0.086259	0.06252	0.078253	0.0912	-0.04874	0.29324
0.54697	-0.10917	0.01828	0.018313	0.69305	-0.01268	0.78464	-0.01014	0.82697

0.53705	-0.00604	0.8965	0.231002	4.49E-07	-0.01085	0.81511	0.037719	0.41609
0.46225	-0.071	0.12551	-0.1664	0.0003	-0.00924	0.84221	-0.01399	0.76297
0.18922	-0.07349	0.11274	-0.12258	0.008	0.017255	0.70996	-0.11404	0.01367
4.57E-06	0.272924	2.02E-09	0.033383	0.47172	-0.0716	0.12232	-0.08671	0.06117
0.29614	0.001067	0.98165	0.173827	0.00016	0.083238	0.07232	0.023268	0.61598
0.65102	-0.03025	0.51437	-0.01959	0.67278	-0.06488	0.16158	-0.07529	0.10415
0.02795	0.095616	0.03888	0.122973	0.0078	0.17062	0.00021	-0.00734	0.8743
0.58366	0.057037	0.2186	0.003677	0.93683	0.097743	0.03472	0.033893	0.46497
0.00015	-0.20076	1.23E-05	0.069588	0.1332	-0.04025	0.38548	-0.05122	0.26932
0.00448	0.169966	0.00022	0.063217	0.17262	0.013139	0.77703	0.208403	5.58E-06
0.29557	0.070664	0.12729	-0.04155	0.37035	-0.0757	0.10231	-0.13575	0.00329
0.01654	-0.17242	0.00018	0.051543	0.26631	-0.09068	0.05017	-0.0418	0.3674
0.07923	0.089542	0.05315	0.173604	0.00016	-0.02033	0.66125	-0.08543	0.06511
0.56257	0.081324	0.07915	0.128571	0.00539	0.030528	0.51047	-0.01209	0.79448
0.0209	0.102958	0.02609	-0.03337	0.47192	0.010083	0.82797	-0.03735	0.42067
0.03094	-0.06607	0.15401	0.028544	0.53835	-0.04537	0.3279	-0.21603	2.46E-06
0.00022	0.248107	5.56E-08	0.049119	0.28948	0.032139	0.48841	-0.0862	0.06271
0.13542	-0.16913	0.00024	-0.04986	0.28222	-0.09388	0.04258	-0.17717	0.00012
0.97543	0.04619	0.31923	0.008938	0.84725	0.068699	0.13824	0.174225	0.00015
0.10647	-0.1089	0.01857	-0.14238	0.00204	-0.03079	0.50688	-0.11006	0.01735
0.00098	0.159224	0.00055	0.063815	0.16858	0.038489	0.40663	-0.01558	0.73701
2.01E-09	-0.33899	5.07E-14	-0.03245	0.48417	-0.08742	0.05908	-0.11618	0.01199
3.35E-07	0.380322	1.61E-17	0.093182	0.04415	0.135485	0.00335	0.139584	0.0025
0.42524	-0.04884	0.29225	0.032588	0.48235	0.038672	0.4044	-0.03683	0.42723
4.76E-09	0.297986	4.96E-11	0.088676	0.0555	0.05846	0.2073	0.212939	3.44E-06
0.79461	0.105339	0.02281	0.053993	0.24422	0.065192	0.15956	0.046474	0.31627
0.3226	-0.05151	0.26658	-0.01303	0.77876	-0.02089	0.65249	0.02723	0.55721
0.87096	0.011378	0.80628	0.015925	0.73142	0.03291	0.47803	0.003635	0.93756
0.03194	0.152668	0.00093	0.028708	0.53602	0.031262	0.50036	0.110339	0.01706
0.25811	0.01261	0.78578	-0.00381	0.93461	0.045339	0.32825	-0.07276	0.11635
0.08065	0.028122	0.54438	0.126003	0.0064	0.08401	0.06971	0.03452	0.45676
0.44662	-0.08188	0.07712	0.067671	0.14425	-0.02784	0.54848	-0.04874	0.29321
0.08484	0.278501	9.13E-10	0.089529	0.05318	0.04654	0.31558	0.179338	9.75E-05
0.59301	0.003028	0.94797	0.026192	0.57235	0.00982	0.83237	-0.07299	0.11521
0.08127	0.144395	0.00176	0.017967	0.69856	0.056789	0.2206	0.05031	0.27793
0.40478	0.095728	0.03865	0.091046	0.04926	0.03236	0.48542	0.060493	0.19191
0.71872	0.02674	0.56434	0.054965	0.23582	0.048121	0.2994	-0.04233	0.36144
2.78E-07	0.262084	8.96E-09	0.085446	0.06505	0.033861	0.46539	-0.14065	0.00232
0.0094	0.233074	3.51E-07	0.035401	0.44534	0.039309	0.3967	-0.1059	0.02209
0.00239	-0.16684	0.00029	-0.12925	0.00515	-0.08247	0.07501	-0.00554	0.90488
0.13862	0.177394	0.00012	0.079689	0.08539	0.096039	0.03802	-0.13683	0.00305
8.10E-07	-0.10256	0.02667	-0.01135	0.80676	0.029573	0.5238	-0.25803	1.54E-08
0.24301	0.102496	0.02677	0.045237	0.32933	0.014207	0.75944	-0.00768	0.86857
0.16688	0.129149	0.00519	0.057391	0.21574	0.047128	0.3095	0.010789	0.81613
1.50E-07	0.319925	1.42E-12	0.045847	0.32285	0.052313	0.25922	0.102441	0.02685



1.04E-09	0.281756	5.70E-10	-0.0033	0.94323	0.040786	0.37919	0.13518	0.00342
0.5533	0.110546	0.01686	0.051136	0.27011	0.09683	0.03645	-0.01071	0.81743
4.13E-06	-0.34308	2.41E-14	-0.04371	0.34594	-0.05173	0.26457	0.03878	0.40309
0.3505	-0.00566	0.90299	0.060295	0.19337	0.148058	0.00133	0.053464	0.24887
1.35E-05	-0.12545	0.00664	-0.03317	0.47452	-0.04432	0.33926	-0.1213	0.00869
0.72448	0.134224	0.00366	0.046864	0.31222	0.104188	0.02435	0.052793	0.25486
0.40816	-0.04662	0.31479	0.039673	0.39234	-0.07297	0.11529	0.014064	0.7618
0.00066	0.223599	1.06E-06	0.00742	0.87294	0.356602	1.89E-15	0.080456	0.08242
0.02173	0.167241	0.00028	0.101442	0.02838	0.050285	0.27817	0.045645	0.32498
0.09189	0.120466	0.00917	0.049076	0.2899	0.010296	0.82438	-0.00305	0.9476
0.05195	0.011246	0.80849	0.025474	0.58294	-0.0082	0.85975	0.030939	0.50479
0.05834	0.114455	0.01333	-0.06911	0.1359	-0.09411	0.04207	0.063003	0.17408
0.39107	-0.00993	0.83053	-0.00329	0.94341	0.282888	4.83E-10	-0.04445	0.3378
0.27381	-0.04953	0.28549	0.104742	0.02359	-0.00409	0.92972	0.188116	4.30E-05
0.04512	0.093563	0.04329	0.021114	0.64904	0.100488	0.02991	0.013949	0.76369
0.60513	0.03126	0.50038	0.078314	0.09094	0.11109	0.01632	0.094856	0.04046
0.23935	-0.04152	0.37067	-0.00815	0.86063	0.022769	0.62358	-0.1429	0.00196
0.37468	0.007423	0.87289	0.012451	0.78843	0.020578	0.65736	-0.04112	0.37528
0.6263	-0.01233	0.7905	-0.0026	0.95526	0.048433	0.29628	0.094253	0.04176
0.72906	-0.01389	0.76465	0.038666	0.40447	0.051833	0.26362	-0.00907	0.84497
0.93519	0.047817	0.30247	0.01388	0.76483	0.039977	0.38872	0.008431	0.85581
0.26686	-0.15916	0.00056	-0.0952	0.03975	-0.07267	0.11684	0.038326	0.40862
0.34914	0.10779	0.01981	0.051898	0.26302	0.04794	0.30122	-0.07867	0.08949
0.06151	0.149538	0.00119	0.24047	1.44E-07	0.013831	0.76562	-0.07369	0.11173
0.33695	0.213038	3.40E-06	0.021688	0.64016	0.068823	0.13753	0.130035	0.00489
0.45424	0.08829	0.05658	-0.01262	0.78557	-0.08077	0.08124	-0.04197	0.36549
0.24368	0.176347	0.00013	0.145412	0.00163	0.069889	0.13153	0.022968	0.62055
0.00665	-0.01896	0.68274	0.088919	0.05483	0.02187	0.63735	-0.00319	0.94526
0.01229	-0.16814	0.00026	-0.0047	0.9193	-0.03264	0.48168	-0.08134	0.0791
0.00105	-0.16678	0.00029	0.089945	0.05208	-0.03085	0.50601	0.077303	0.0952
0.11553	0.128626	0.00537	0.062526	0.17737	0.074856	0.10619	0.160494	0.0005
0.33943	0.207663	6.04E-06	0.062883	0.1749	0.056427	0.22357	0.055466	0.23157
2.47E-05	0.204947	8.02E-06	0.185572	5.47E-05	0.156174	0.00071	0.183004	6.96E-05
0.00049	-0.18285	7.05E-05	-0.04631	0.31801	-0.03286	0.47872	-0.02971	0.52185
0.18	-0.00843	0.85576	0.083278	0.07218	0.09772	0.03476	-0.04154	0.37048
0.02266	-0.08973	0.05264	0.034669	0.45481	0.019879	0.6683	0.020524	0.65821
0.83293	-0.039	0.40045	0.009239	0.84217	0.013393	0.77283	0.066956	0.14855
0.75891	-0.05636	0.22408	0.003848	0.9339	-0.13406	0.0037	-0.09422	0.04183
0.86265	0.077088	0.09613	0.055341	0.23262	0.034166	0.46138	0.134386	0.00362
0.0924	-0.17797	0.00011	-0.01259	0.78606	-0.07384	0.11103	0.027275	0.55657
0.64535	0.126959	0.00601	0.299809	3.73E-11	0.162575	0.00042	-0.02501	0.58989
1.17E-05	-0.17229	0.00018	0.048806	0.29257	-0.11469	0.01314	-0.11686	0.0115
0.28514	0.067086	0.14776	0.189798	3.66E-05	0.075669	0.10243	0.128628	0.00537
0.47606	0.118509	0.01037	-0.02138	0.64486	-0.02317	0.61748	-0.08881	0.05512
0.24805	-0.02276	0.62369	-0.00291	0.94991	-0.05638	0.22399	-0.04677	0.31316

0.0004	-0.19884	1.50E-05	-0.05141	0.26756	0.030472	0.51125	-0.12565	0.00655
7.05E-13	0.426421	4.67E-22	0.107516	0.02013	0.097658	0.03488	0.237334	2.11E-07
1.03E-09	0.178156	0.00011	0.031666	0.49483	0.070698	0.12711	0.130865	0.00462
5.03E-05	-0.16287	0.00041	-0.03319	0.47429	-0.01125	0.80837	-0.02664	0.56574
0.65937	-0.08911	0.0543	-2.54E-06	0.99996	-0.00648	0.88885	-0.10368	0.02506
0.46526	-0.06066	0.19069	0.005061	0.91313	-0.04051	0.38237	-0.06596	0.15467
0.01626	0.079841	0.0848	0.034738	0.45392	0.047045	0.31035	-0.0264	0.56937
0.04241	-0.03002	0.5175	0.117877	0.01079	0.011423	0.80553	-0.00573	0.90177
0.05671	0.083499	0.07143	0.049703	0.28377	0.003411	0.9414	-0.09946	0.03163
0.00058	0.15735	0.00064	-0.09307	0.0444	-0.04725	0.30825	-0.04537	0.32791
0.00135	0.247293	6.16E-08	0.107807	0.01979	0.076719	0.09774	0.049914	0.28174
0.58067	-0.01483	0.74921	-0.04231	0.36162	-0.07495	0.10576	-0.04292	0.3547
0.003	0.170374	0.00022	0.057303	0.21645	0.064239	0.16577	0.31035	6.94E-12
0.23432	-0.09579	0.03853	0.0436	0.34715	0.004574	0.92147	0.008111	0.86123
0.00034	0.154686	0.0008	0.110546	0.01686	0.084101	0.0694	0.228936	5.71E-07
0.12601	0.001345	0.97688	-0.03224	0.48699	0.053792	0.24597	0.033711	0.46738
0.18672	-0.14474	0.00171	0.100942	0.02918	-0.08454	0.06795	0.041947	0.36576
0.36773	0.141687	0.00215	-0.05945	0.19973	0.002036	0.96501	-0.12971	0.005
0.592	0.085914	0.06359	0.079658	0.08552	-0.04551	0.3264	-0.06829	0.14062
0.92253	0.025379	0.58434	-0.01522	0.7428	0.079028	0.08802	-0.0259	0.57657
1.98E-10	-0.35834	1.35E-15	0.057878	0.21187	-0.1068	0.02098	-0.11425	0.01349
3.29E-05	0.297765	5.13E-11	0.071364	0.12355	0.010017	0.82907	0.12115	0.00877
0.66756	0.077906	0.09264	0.029486	0.52502	0.045427	0.3273	0.003444	0.94083
0.04065	-0.17353	0.00016	-0.05216	0.26059	-0.0646	0.16337	0.041869	0.36665
0.35598	0.123502	0.00754	0.005925	0.89839	0.034397	0.45836	0.039161	0.39849
0.85514	0.069071	0.13612	0.009298	0.84116	0.061505	0.18457	0.008593	0.85307
0.00371	-0.02593	0.57619	-0.08057	0.08198	0.057089	0.21817	0.002688	0.9538
0.25927	0.016394	0.72383	-0.01789	0.69981	0.028501	0.53896	-0.03843	0.40735
0.46012	0.045564	0.32584	0.064518	0.16393	0.153561	0.00087	-0.04026	0.38536
0.30909	0.08335	0.07194	0.152814	0.00092	0.071171	0.12458	0.023696	0.60951
4.73E-05	0.18427	6.18E-05	-0.05222	0.2601	-0.09095	0.04951	-0.07512	0.10497
2.30E-09	0.450085	1.13E-24	0.101508	0.02828	0.227662	6.62E-07	-0.0124	0.78921
0.39571	0.14077	0.0023	0.043816	0.34477	0.055703	0.22958	0.011126	0.81049
2.64E-05	0.215059	2.73E-06	0.137377	0.00293	-0.04334	0.35008	0.027299	0.55622
0.01805	0.240659	1.41E-07	0.108745	0.01874	0.022773	0.62351	0.003505	0.93979
2.85E-07	0.298607	4.50E-11	0.093345	0.04378	0.080264	0.08316	0.138078	0.00279
0.929	-0.00241	0.95866	0.092779	0.04508	-0.03476	0.45367	0.036172	0.43548
0.07193	0.140332	0.00237	0.04964	0.28439	0.003793	0.93485	-0.20687	6.56E-06
0.25228	-0.13258	0.0041	-0.0285	0.53897	-0.08199	0.07671	-0.06569	0.15639
0.79074	0.011161	0.80991	0.246305	6.98E-08	0.058553	0.20658	0.062095	0.18038
0.00013	-0.19916	1.45E-05	-0.01698	0.71433	-0.05465	0.23849	-0.01948	0.6745
5.62E-06	0.154098	0.00083	-0.08451	0.06805	-0.03443	0.45787	0.013974	0.76328
0.00019	-0.17463	0.00015	-0.06288	0.17494	-0.07718	0.09575	-0.12524	0.00673
0.32868	-0.01146	0.80492	-0.05401	0.2441	0.054436	0.24036	-0.17301	0.00017
0.33564	0.066579	0.15085	0.015964	0.73078	-0.12593	0.00643	-0.08039	0.08266

0.0099	-0.03401	0.46338	0.010721	0.81726	-0.02933	0.52721	0.088061	0.05722
1.16E-05	0.21564	2.56E-06	0.121256	0.00872	0.096141	0.03781	0.072687	0.11673
0.58598	-0.01712	0.71215	-0.10663	0.02118	-0.09216	0.04654	-0.02801	0.54594
1.21E-05	0.293548	9.82E-11	0.079755	0.08513	0.051934	0.26269	-0.06955	0.1334
0.06012	-0.22598	8.04E-07	-0.08059	0.08189	-0.0487	0.29362	-0.12751	0.00579
1.58E-06	-0.1146	0.01321	-0.26763	4.21E-09	-0.0552	0.23384	-0.11336	0.01424
0.00206	0.274906	1.53E-09	0.062868	0.17501	-0.00273	0.95308	-0.05919	0.20165
0.23917	-0.03049	0.51099	0.076891	0.09699	0.139577	0.0025	-0.13597	0.00324
0.0168	0.15559	0.00074	0.132241	0.0042	0.089001	0.05461	0.061917	0.18164
0.0401	0.125057	0.00681	-0.07903	0.088	-0.01071	0.81745	-0.10362	0.02514
0.48146	-0.09218	0.04648	-0.05637	0.22407	-0.06089	0.18902	-0.00641	0.89013
0.02988	0.219804	1.62E-06	0.257526	1.64E-08	0.081107	0.07996	-0.09607	0.03795
0.89481	-0.03653	0.43092	0.005245	0.91	0.010422	0.82228	-0.0768	0.09738
3.24E-06	0.160276	0.00051	0.128822	0.0053	-0.03529	0.44676	0.077068	0.09622
0.17298	-0.00671	0.88502	-0.02841	0.54019	-0.02444	0.59835	-0.03461	0.45552
0.89441	-0.03558	0.44308	0.093112	0.04431	0.007095	0.87847	0.016771	0.71775
0.12265	-0.03799	0.41277	0.093566	0.04328	0.043531	0.34792	5.69E-05	0.99902
0.30382	0.016798	0.7173	0.047103	0.30975	0.017554	0.70516	-0.01904	0.6815
6.05E-05	-0.23088	4.55E-07	-0.04916	0.28904	-0.0102	0.82597	-0.03163	0.49537
0.01334	0.164651	0.00035	0.073745	0.11149	0.073488	0.11274	0.183837	6.44E-05
0.59264	0.078682	0.08943	-0.12927	0.00515	-0.03104	0.50343	-0.08748	0.05889
0.05552	-0.09177	0.04746	-0.01707	0.71291	-0.08861	0.05568	-0.13182	0.00432
8.17E-06	0.205314	7.72E-06	0.037279	0.42156	0.105534	0.02256	0.053137	0.25178
0.17397	0.117248	0.01122	0.024891	0.59159	-0.00733	0.87453	0.025744	0.57894
0.00468	0.000831	0.9857	0.033803	0.46616	-0.00665	0.88609	-0.05157	0.26605
3.18E-05	-0.17577	0.00013	-0.05147	0.26696	-0.02236	0.62977	0.030518	0.51061
0.67475	0.095715	0.03868	0.072499	0.11768	0.193561	2.54E-05	0.095356	0.03941
0.16952	0.263721	7.19E-09	0.007403	0.87323	0.070727	0.12695	-0.11554	0.01247
0.03826	0.203852	8.99E-06	0.016061	0.72921	-0.01663	0.71998	0.016423	0.72336
0.78766	0.128901	0.00527	0.032356	0.48547	-0.01594	0.73116	0.071204	0.1244
6.96E-08	0.207395	6.21E-06	0.072543	0.11746	-0.06713	0.14752	0.213045	3.40E-06
0.83582	0.117982	0.01072	0.044757	0.33449	0.039465	0.39483	0.015162	0.74383
0.09669	-0.09157	0.04795	0.226256	7.79E-07	0.042923	0.3547	0.037953	0.4132
0.01032	0.330574	2.27E-13	0.005734	0.90165	0.243635	9.74E-08	-0.01349	0.77118
0.27696	-0.19354	2.54E-05	-0.0094	0.8395	-0.02667	0.5653	-0.12694	0.00601
0.21505	0.217218	2.16E-06	0.078881	0.08862	0.050786	0.27341	0.061774	0.18265
0.10998	0.132982	0.00399	0.099874	0.03093	0.043782	0.34515	0.064563	0.16364
0.07849	-0.03387	0.46528	0.018706	0.68681	0.002801	0.95186	-0.0422	0.36282
0.0022	0.104418	0.02403	0.034394	0.45839	0.053093	0.25217	-0.05761	0.214
0.30931	-0.12798	0.00561	-0.02733	0.55573	-0.02836	0.54099	-0.01409	0.76134
1.91E-07	0.439808	1.64E-23	0.143692	0.00185	0.127891	0.00565	-0.07956	0.08591
0.17523	0.157887	0.00062	-0.08016	0.08355	0.112976	0.01458	0.032399	0.48489
1.65E-05	0.075569	0.10289	-0.06459	0.16348	0.00273	0.95307	0.04591	0.32218
0.00152	0.193901	2.45E-05	-2.93E-05	0.9995	0.104755	0.02358	-0.07927	0.08704
4.40E-06	-0.1835	6.64E-05	-0.07519	0.10462	-0.03972	0.39172	-0.15284	0.00092

0.00081	0.268538	3.72E-09	0.078618	0.08969	0.10751	0.02014	0.237481	2.07E-07
0.86662	0.006741	0.88448	0.023455	0.61316	0.056317	0.22447	0.032295	0.4863
0.52604	-0.04372	0.34588	0.043202	0.35158	0.080622	0.08179	-0.01866	0.6875
0.18124	-0.08811	0.0571	0.095224	0.03969	0.081492	0.07853	-0.07848	0.09026
0.0384	0.253132	2.92E-08	0.070455	0.12842	0.114611	0.0132	0.108165	0.01938
7.10E-08	0.117026	0.01138	-0.07943	0.08642	-0.0676	0.14466	0.193383	2.58E-05
2.71E-07	0.114206	0.01353	0.012143	0.79354	-0.05437	0.24091	0.061679	0.18333
0.84202	0.038286	0.40912	0.039629	0.39287	0.109127	0.01833	0.098043	0.03416
0.31744	0.110896	0.01651	0.107317	0.02036	0.13053	0.00472	0.045464	0.32691
0.93185	-0.01708	0.71269	0.062234	0.17941	-0.05801	0.21086	0.027667	0.55091
0.06972	0.024852	0.59217	-0.06361	0.16993	0.055006	0.23546	0.042817	0.35589
0.1095	0.049226	0.28843	-0.07727	0.09535	0.082843	0.07369	0.038603	0.40525
0.11981	0.179591	9.53E-05	0.077269	0.09535	0.226508	7.57E-07	-0.09628	0.03753
0.00141	-0.02369	0.60957	0.040384	0.38391	-0.01026	0.82501	0.022251	0.6315
0.76762	0.038156	0.41071	0.057379	0.21584	0.033418	0.47125	0.039859	0.39012
0.13672	-0.06808	0.14187	0.030182	0.51528	0.019088	0.68075	-0.03357	0.46919
0.67275	0.03398	0.46383	0.029629	0.52301	0.002015	0.96536	-0.00506	0.91318
0.94703	0.02215	0.63304	0.04143	0.37171	0.025917	0.57639	0.043381	0.34959
0.12935	0.011173	0.8097	-0.17144	0.0002	-0.10528	0.02289	-0.1623	0.00043
0.24385	0.135804	0.00328	0.204044	8.81E-06	0.191991	2.96E-05	-0.02127	0.64667
0.60604	0.097142	0.03585	0.272412	2.17E-09	0.076751	0.0976	-0.06025	0.19373
0.00064	-0.20941	5.02E-06	-0.01833	0.69286	-0.04228	0.362	-0.09634	0.03741
0.00113	0.259568	1.25E-08	0.080302	0.08301	0.161504	0.00046	0.113707	0.01395
0.13873	-0.0946	0.04101	-0.00903	0.84573	-0.09251	0.0457	-0.07882	0.08887
0.57243	0.05541	0.23204	0.145647	0.0016	0.056216	0.22531	-0.06625	0.1529
1.09E-07	-0.22266	1.17E-06	-0.02729	0.55633	-0.07397	0.1104	-0.17103	0.0002
0.03191	0.130495	0.00473	0.092522	0.04568	0.170578	0.00021	0.065117	0.16005
0.57604	0.085731	0.06415	0.066136	0.1536	0.086103	0.063	0.06131	0.18597
0.75071	0.101956	0.02759	0.09041	0.05087	0.08255	0.07472	0.05223	0.25998
0.30133	0.122764	0.00791	0.103412	0.02543	0.082032	0.07657	0.089969	0.05202
0.00761	0.132018	0.00427	0.079916	0.0845	0.0675	0.14527	0.074458	0.10806
0.95605	0.014746	0.75061	-0.00119	0.97954	-0.01706	0.71316	0.046532	0.31567
0.16548	0.086685	0.06124	-0.06451	0.164	-0.09939	0.03175	0.095399	0.03932
0.04547	0.090217	0.05137	0.062797	0.17549	0.005626	0.90349	0.137928	0.00282
0.78764	0.038207	0.41009	0.055642	0.23009	0.008209	0.85956	0.103881	0.02477
0.43668	0.103351	0.02552	0.10597	0.022	0.017459	0.70669	0.046675	0.31417
0.75669	-0.11672	0.0116	0.009658	0.83511	0.050756	0.27368	0.076387	0.09921
0.14081	-0.07374	0.11152	-0.135	0.00347	-0.0955	0.03912	0.068451	0.13967
0.7586	-0.04776	0.30308	0.031009	0.50383	0.053971	0.2444	-0.03661	0.42997
0.00083	-0.13566	0.00331	0.097387	0.03539	-0.02663	0.56599	-0.03034	0.5131
2.95E-05	0.172619	0.00018	-0.01403	0.76235	0.018451	0.69086	0.152727	0.00093
5.81E-06	0.105134	0.02308	0.05666	0.22166	0.017768	0.70175	0.223078	1.12E-06
0.00014	-0.2128	3.49E-06	-0.01873	0.68635	-0.04043	0.38339	-0.06588	0.15518
0.07131	0.066298	0.15259	0.035002	0.45048	-0.00241	0.95864	0.018629	0.68803
0.04979	-0.04152	0.37069	0.092378	0.04602	0.087559	0.05866	0.085225	0.06575

0.00498	0.169366	0.00024	0.201226	1.18E-05	0.078837	0.0888	0.161699	0.00045
1.24E-09	-0.28689	2.68E-10	-0.15499	0.00078	-0.07192	0.12063	-0.15809	0.00061
0.31018	0.06103	0.18798	-0.06643	0.15176	-0.05343	0.24919	0.020327	0.66128
0.04119	0.100794	0.02941	-0.04963	0.28451	-0.09518	0.03977	0.146148	0.00154
0.41816	0.055457	0.23164	0.101859	0.02774	0.024587	0.59612	-0.08762	0.05849
0.2623	0.092454	0.04584	0.107888	0.0197	0.159476	0.00054	0.180862	8.48E-05
0.04798	0.157516	0.00064	0.238874	1.75E-07	0.123268	0.00766	0.108128	0.01943
0.73278	0.096742	0.03663	0.076139	0.10031	0.08462	0.0677	0.080928	0.08063
0.00011	-0.21546	2.61E-06	-0.08774	0.05815	-0.03371	0.46735	-0.0614	0.18535
0.30219	0.074603	0.10737	-0.01465	0.75221	0.054572	0.23919	0.00696	0.88076
0.39169	0.129491	0.00507	0.047528	0.3054	0.236695	2.28E-07	0.137379	0.00293
0.1924	0.053409	0.24936	0.031925	0.4913	0.033211	0.47401	0.049963	0.28126
0.19738	0.086094	0.06303	0.055262	0.23329	0.022621	0.62584	0.087686	0.05829
0.88117	0.027947	0.54689	-0.1107	0.0167	0.010871	0.81476	-0.21011	4.66E-06
0.00036	-0.15943	0.00054	0.033643	0.46828	-0.06587	0.15527	-0.03526	0.44717
0.94202	0.048402	0.29658	0.056064	0.22656	0.080812	0.08107	0.01088	0.8146
0.47004	0.076731	0.09769	0.072455	0.1179	0.066512	0.15127	-0.00656	0.88761
0.16431	-0.07858	0.08983	0.0561	0.22627	0.057032	0.21863	0.001055	0.98187
0.58407	0.037016	0.42484	0.049269	0.28801	0.012364	0.78987	0.010537	0.82035
0.04063	0.159569	0.00054	0.099067	0.03232	0.209207	5.13E-06	0.121487	0.00859
0.00308	0.042264	0.36215	0.017002	0.71402	-0.0348	0.45307	0.102086	0.02739
0.00108	0.255397	2.18E-08	0.082755	0.074	0.043744	0.34556	-0.04741	0.30663
0.00179	0.199852	1.35E-05	0.19689	1.82E-05	-0.03396	0.46414	-0.00566	0.90291
2.52E-10	0.074622	0.10729	-0.08985	0.05232	-0.11759	0.01099	0.174397	0.00015
0.00257	-0.11692	0.01145	-0.01015	0.82682	-0.14543	0.00163	0.02455	0.59667
0.36517	0.042	0.36515	0.125363	0.00668	0.074921	0.10588	-0.01434	0.75722
0.52213	0.09686	0.0364	0.077945	0.09248	0.110494	0.01691	-0.11692	0.01145
0.10871	-0.01712	0.71217	-0.01452	0.75435	0.000465	0.992	0.089881	0.05225
0.49249	0.011226	0.80882	0.091224	0.04882	0.054507	0.23974	0.011783	0.79952
0.01779	0.241583	1.26E-07	0.268478	3.75E-09	0.296484	6.26E-11	0.126519	0.00619
0.00386	0.277994	9.82E-10	0.252219	3.29E-08	0.226563	7.52E-07	0.041362	0.37249
0.00017	-0.06525	0.15921	-0.02537	0.58447	-0.03112	0.50231	-0.14128	0.00221
2.79E-05	-0.18819	4.27E-05	-0.04796	0.30105	-0.01339	0.77287	-0.17378	0.00016
0.0052	0.059496	0.19935	-0.0071	0.87844	-0.00743	0.87278	0.033563	0.46934
0.59533	0.071919	0.12066	0.040311	0.38477	0.077271	0.09534	-0.06556	0.15719
0.21997	-0.18254	7.26E-05	-0.04031	0.38473	-0.09717	0.03579	-0.07174	0.12158
9.63E-10	-0.35154	4.97E-15	-0.09516	0.03982	-0.03414	0.46168	-0.0977	0.03479
0.97018	-0.09205	0.04679	0.016126	0.72817	-0.07757	0.09408	-0.02263	0.62576
0.00446	0.21515	2.71E-06	-0.01478	0.75013	0.12401	0.0073	0.004197	0.92792
0.45028	0.017893	0.69974	0.029115	0.53024	0.037011	0.4249	-0.08154	0.07836
0.01008	0.184818	5.87E-05	0.059837	0.19678	0.08216	0.07611	0.208194	5.71E-06
0.38125	0.055642	0.23009	0.165943	0.00032	0.018787	0.68553	0.00555	0.90478
0.20914	0.066605	0.1507	-0.105	0.02325	-0.08269	0.07423	-0.10749	0.02015
2.26E-07	0.335224	9.98E-14	-0.02709	0.5593	-0.04496	0.33231	0.136501	0.00312
0.21703	-0.02727	0.5567	0.050754	0.27371	0.062127	0.18016	0.205207	7.81E-06

0.00099	0.269495	3.26E-09	0.09063	0.05031	0.145174	0.00166	0.053815	0.24578
0.00109	0.367427	2.25E-16	0.155221	0.00076	0.242227	1.16E-07	0.078584	0.08983
0.0071	0.079182	0.08741	0.093925	0.04248	0.075439	0.10348	0.02015	0.66405
0.00485	0.082072	0.07642	0.015908	0.7317	0.220311	1.53E-06	0.115993	0.01213
0.00021	0.336044	8.61E-14	0.083913	0.07003	0.146263	0.00153	0.092349	0.04609
0.00197	-0.09996	0.0308	-0.00106	0.98176	0.01668	0.71921	0.07703	0.09638
0.66268	0.075154	0.1048	0.022031	0.63488	-0.02956	0.52403	0.115091	0.01282
0.08936	0.28231	5.26E-10	0.059285	0.20095	0.063701	0.16935	-0.02236	0.62978
0.30186	0.017124	0.71207	-0.05697	0.21916	-0.01369	0.76798	-0.00291	0.95
0.00285	-0.30523	1.58E-11	-0.08804	0.05727	-0.12695	0.00601	0.09245	0.04585
0.00269	-0.08834	0.05644	0.021737	0.6394	0.023125	0.61816	0.038846	0.40229
0.12727	0.02737	0.5552	0.006962	0.88073	-0.01456	0.7537	0.058262	0.20885
6.41E-06	0.2538	2.68E-08	0.130008	0.00489	0.07413	0.10963	0.050696	0.27426
0.41671	-0.0911	0.04913	-0.03665	0.42947	-0.08538	0.06527	-0.01275	0.7835
6.14E-06	0.354536	2.81E-15	0.021442	0.64396	0.016325	0.72494	0.078331	0.09087
0.25609	0.142889	0.00196	0.127973	0.00561	0.126505	0.00619	-0.16134	0.00046
0.02967	-0.16506	0.00034	0.026225	0.57187	-0.07332	0.11359	-0.22529	8.71E-07
0.33936	0.02306	0.61914	0.074181	0.10938	0.008611	0.85276	0.055593	0.2305
0.02147	-0.03399	0.46364	-0.11615	0.01202	-0.00252	0.95674	-0.18265	7.19E-05
0.12175	-0.09169	0.04768	-0.09378	0.04279	-0.09869	0.033	0.004667	0.91987
0.3216	0.114647	0.01317	0.016229	0.7265	-0.0025	0.95704	0.108015	0.01955
0.19278	0.098831	0.03274	-0.01452	0.75435	-0.04013	0.38687	-0.09259	0.04553
0.00175	0.175063	0.00014	-0.01035	0.82349	-0.02428	0.60069	0.138393	0.00273
0.78072	-0.01066	0.8183	0.123628	0.00748	0.070661	0.12731	0.006526	0.88814
0.06639	-0.05094	0.27198	-0.04038	0.3839	-0.03691	0.42611	-0.0477	0.30366
0.70983	0.014565	0.75357	-0.04537	0.32789	-0.04106	0.37604	-0.01441	0.75608
0.68481	-0.03642	0.4323	-0.03306	0.47606	-0.04032	0.38469	0.002152	0.963
0.26806	0.034198	0.46096	0.0183	0.69326	-0.00283	0.95129	-0.06388	0.16812
4.41E-06	-0.17553	0.00014	0.052964	0.25333	0.018245	0.69414	-0.05154	0.26637
0.79946	-0.07862	0.0897	-0.01669	0.71898	-0.0131	0.7776	0.05507	0.23492
0.39421	0.039227	0.39768	-0.00667	0.8857	-0.02708	0.55937	0.116407	0.01182
0.95093	0.016836	0.7167	-0.02273	0.62424	-0.01405	0.76208	-0.02733	0.55572
0.71143	0.025397	0.58406	-0.00759	0.87011	0.037964	0.41307	-0.03768	0.41658
0.79897	0.072047	0.11999	0.120193	0.00933	0.080432	0.08251	0.088455	0.05611
0.9083	-0.04458	0.33642	0.055967	0.22737	-0.0682	0.14115	0.062737	0.17591
0.72615	0.02896	0.53244	-0.01046	0.82165	-0.02031	0.6616	0.078318	0.09093
0.53133	0.018863	0.68432	-0.01883	0.68486	-0.02611	0.57362	0.034585	0.45591
0.39567	0.049741	0.28341	0.04342	0.34915	0.007741	0.86749	0.00109	0.98125
0.18216	0.067397	0.14589	0.00053	0.99089	-0.00689	0.88194	-0.01543	0.73944
0.41649	0.04063	0.38102	-0.00216	0.96287	0.008589	0.85314	0.03378	0.46646
0.0025	-0.12969	0.005	-0.00803	0.86261	-0.00187	0.96777	0.050906	0.27227
0.126	0.043012	0.3537	0.053699	0.2468	-0.00431	0.92607	-0.05818	0.20947
0.99285	-0.01063	0.81879	-0.01851	0.68992	-0.02277	0.62354	-0.04688	0.31203
0.18679	0.101945	0.0276	0.112796	0.01474	0.071434	0.12319	0.103804	0.02488
0.38801	-0.02961	0.52323	-0.01356	0.77005	-0.00984	0.83197	-0.01156	0.80326

0.15143	-0.04805	0.30007	-0.01359	0.76955	-0.05838	0.20795	-0.0261	0.57375
0.6792	0.046803	0.31285	0.059805	0.19702	0.036415	0.4324	0.04661	0.31485
0.84941	0.016612	0.72031	0.001461	0.97489	0.024854	0.59213	-0.06395	0.16765
0.03749	-0.04816	0.29902	0.12423	0.00719	0.121668	0.00849	-0.12079	0.00898
0.00035	0.0769	0.09695	-0.03356	0.46936	-0.03281	0.4794	-0.03657	0.4305
0.88194	0.003908	0.93288	0.013336	0.77378	-0.00772	0.86779	0.008059	0.8621
0.06274	-0.0624	0.17823	-0.00739	0.87352	-0.00831	0.85779	0.003458	0.94059
0.08908	0.01479	0.7499	-0.0073	0.87502	0.026016	0.57494	0.001499	0.97423
1.41E-05	0.245922	7.32E-08	0.063582	0.17015	0.167321	0.00028	0.138196	0.00276
0.00643	0.080468	0.08237	0.040269	0.38526	-0.00112	0.98072	-0.00452	0.92239
0.37251	-0.00338	0.94196	0.030549	0.51019	0.0426	0.35834	-0.03306	0.47599
0.83612	-0.06399	0.1674	-0.00519	0.91088	-0.05366	0.24713	-0.13832	0.00274
0.01068	-0.12492	0.00687	0.004236	0.92726	0.09138	0.04843	0.031046	0.50332
0.01482	0.042375	0.36088	0.017723	0.70246	-0.00753	0.87108	0.036299	0.43388
0.20445	0.10939	0.01804	0.101765	0.02788	0.037684	0.41652	-0.00124	0.97863
0.99502	0.018334	0.69272	0.024583	0.59618	0.051798	0.26394	0.037823	0.4148
0.17495	-0.0244	0.59887	0.003626	0.93772	0.108839	0.01864	0.00556	0.90462
2.39E-10	0.228861	5.76E-07	0.021133	0.64874	0.016631	0.72	0.218084	1.96E-06
0.73272	0.024672	0.59485	-0.02359	0.61116	-0.04192	0.36612	-0.06077	0.18991
0.091	0.109266	0.01818	-0.01986	0.6686	-0.03737	0.42047	-0.00952	0.83748
0.64322	0.014018	0.76255	0.00628	0.89234	-0.00897	0.8467	-0.02113	0.64886
0.01704	0.142049	0.00209	0.009618	0.83578	0.043866	0.34422	-0.053	0.25298
0.11727	0.127105	0.00595	-0.00329	0.94349	-0.01646	0.7227	-0.02285	0.62233
0.1235	0.094613	0.04098	0.039141	0.39873	0.087684	0.0583	-0.02898	0.53223
0.91674	-0.0023	0.96052	-0.02005	0.66556	-0.02651	0.56767	-0.01397	0.76329
0.4169	0.021727	0.63956	-0.05176	0.26431	0.068767	0.13785	0.001942	0.96662
0.01819	0.158619	0.00058	0.005542	0.90493	0.039979	0.38869	-0.07715	0.09585
0.09164	0.102796	0.02633	0.053291	0.25041	0.169968	0.00022	-0.04297	0.35418
0.09256	0.003954	0.93209	-0.02642	0.56906	0.006057	0.89614	-0.00622	0.89336
0.29277	0.055958	0.22744	0.01213	0.79376	-0.02757	0.55231	0.015381	0.74026
0.01723	-0.06403	0.16718	-0.0055	0.90562	-0.05126	0.26895	-0.0053	0.9091
0.93642	-0.03999	0.38851	-0.02293	0.62119	-0.02018	0.66357	-0.01977	0.66995
0.35718	0.001556	0.97324	0.073439	0.11298	-0.00865	0.85208	-0.02988	0.51949
3.35E-05	0.164696	0.00035	0.08405	0.06957	0.113525	0.0141	0.227295	6.91E-07
9.17E-07	-0.24734	6.12E-08	0.093059	0.04443	0.029238	0.52851	-0.03615	0.43579
0.00152	0.132424	0.00415	0.01871	0.68675	0.008431	0.85581	0.279586	7.81E-10
0.01319	0.077864	0.09282	0.019092	0.6807	-0.00362	0.93782	-0.02464	0.59526
0.00183	0.089753	0.05259	-0.01395	0.76367	-0.05312	0.25194	0.058507	0.20694
0.00461	0.113922	0.01377	0.02266	0.62524	-0.00535	0.90814	0.082313	0.07556
0.0193	0.075994	0.10096	-0.01624	0.72638	-0.01923	0.67849	0.075962	0.1011
0.05383	0.11315	0.01442	0.019268	0.67791	-0.02424	0.6013	0.005774	0.90097
0.8292	0.057893	0.21175	0.073047	0.11492	-0.01446	0.75534	-0.0048	0.91762
0.00588	0.119966	0.00946	-0.00824	0.85898	0.091765	0.04749	0.034812	0.45296
0.23681	0.101998	0.02752	0.27218	2.24E-09	0.000769	0.98678	0.028324	0.54148
0.87068	-0.0055	0.90556	0.016378	0.72408	0.005831	0.9	0.052591	0.2567

0.79445	0.000806	0.98614	0.03361	0.46871	-0.04002	0.38827	-0.01451	0.7544
0.00061	0.183882	6.41E-05	0.025446	0.58335	0.013203	0.77598	0.199158	1.45E-05
0.95752	0.000832	0.98569	0.087102	0.06	-0.05222	0.2601	-0.01409	0.76142
0.75208	-0.00778	0.86689	-0.04056	0.38182	-0.02157	0.64205	0.112669	0.01485
0.51838	-0.00021	0.99633	-0.01516	0.74383	-0.01833	0.69283	-0.04289	0.35503
0.0079	0.1474	0.0014	0.005073	0.91293	-0.03092	0.50509	0.003379	0.94195
0.00244	0.147018	0.00144	0.034054	0.46285	-0.00449	0.92283	0.004689	0.9195
0.02624	-0.0984	0.03351	-0.01402	0.76254	0.073973	0.11038	-0.0337	0.46754
0.96909	-0.01372	0.76749	0.00255	0.95618	-0.01512	0.74445	-0.02999	0.51789
0.51452	-0.00955	0.83701	-0.02311	0.61837	-0.03382	0.46596	-0.07304	0.11494
0.00738	0.101733	0.02793	-0.04403	0.34239	-0.05145	0.26721	-0.02385	0.60717
0.7845	0.011596	0.80264	-0.00074	0.98725	0.019095	0.68065	0.026513	0.56766
0.32094	0.020004	0.66635	-0.0187	0.6869	-0.01655	0.72132	-0.04153	0.37049
0.97365	0.062764	0.17572	0.000347	0.99403	-0.00576	0.90125	-0.09335	0.04376
0.41641	-0.00775	0.86737	0.015322	0.74122	0.036934	0.42587	0.026747	0.56424
1.62E-07	0.2465	6.81E-08	-0.00244	0.95802	-0.01626	0.72596	0.01028	0.82465
0.00066	0.196219	1.95E-05	0.065172	0.1597	0.059931	0.19608	0.05512	0.23449
0.30917	0.060209	0.19401	-0.02269	0.62485	-0.02175	0.63914	0.092594	0.04551
0.23066	-0.01281	0.78241	-0.01581	0.73329	-0.03441	0.45821	0.006386	0.89054
0.12507	0.067379	0.146	-0.01371	0.76769	-0.02744	0.55422	-0.01996	0.667
3.75E-08	0.309864	7.51E-12	0.086275	0.06248	0.054881	0.23653	0.067533	0.14507
0.12791	0.111272	0.01614	-0.01087	0.81477	0.054752	0.23764	-0.11604	0.01209
2.03E-07	0.170586	0.00021	-0.0246	0.59586	0.07096	0.1257	-0.02652	0.56752
0.82289	0.083285	0.07216	0.146165	0.00154	-0.00482	0.91729	-0.07325	0.11393
0.17534	0.140996	0.00226	0.025522	0.58222	-0.04009	0.38736	0.037292	0.4214
0.38182	0.01203	0.79542	-0.02355	0.61168	-0.00966	0.8351	0.035739	0.441
0.01251	0.093465	0.04351	-0.0487	0.29357	-0.02262	0.62581	-0.0431	0.35274
0.33951	0.05279	0.2549	0.050457	0.27653	-0.03654	0.43084	-0.06274	0.17588
0.00938	0.150548	0.0011	0.191385	3.14E-05	0.059139	0.20206	0.210786	4.33E-06
0.17176	0.031974	0.49065	-0.00511	0.91224	0.02053	0.65812	-0.01287	0.78147
2.70E-09	-0.3225	9.18E-13	0.010247	0.82521	-0.0478	0.30265	-0.04912	0.28947
0.39498	0.037791	0.4152	0.015341	0.7409	0.064307	0.16532	-0.07261	0.11714
0.03734	0.059497	0.19934	0.044027	0.34244	-0.00682	0.88316	-0.05584	0.22847
0.04497	0.005337	0.90842	0.170158	0.00022	-0.02184	0.63785	-0.01388	0.7648
0.09147	-0.23098	4.50E-07	0.142829	0.00197	-0.03996	0.38897	-0.05672	0.22113
0.00624	0.19441	2.33E-05	0.036225	0.43481	-0.00887	0.84838	0.039753	0.39138
0.87057	-0.012	0.79591	0.179603	9.52E-05	0.106167	0.02175	0.180862	8.48E-05
0.02466	0.126382	0.00624	-0.01848	0.69039	-0.02782	0.54876	-0.01984	0.66889
0.7456	-0.02478	0.59318	-0.02404	0.60436	-0.04311	0.35262	-0.02849	0.53914
0.88073	0.011755	0.79999	0.000904	0.98446	-0.00353	0.93939	-0.05304	0.25266
0.7847	0.037991	0.41274	0.028364	0.54091	0.026544	0.56719	0.041029	0.37636
0.00193	0.162376	0.00043	-0.00807	0.86194	0.003237	0.94438	0.009323	0.84076
0.54896	0.006129	0.89491	-0.00134	0.97701	-0.01229	0.79113	-0.02042	0.65979
0.56341	-0.08911	0.05432	-0.01667	0.7193	-0.01278	0.783	-0.06133	0.18582
0.67674	0.019094	0.68067	0.047145	0.30932	0.068633	0.13862	0.117647	0.01095



0.46664	-0.00686	0.88246	-0.02509	0.58864	-0.03984	0.3903	-0.02044	0.65952
0.31769	0.094183	0.04191	0.020679	0.65579	0.083643	0.07094	-0.03825	0.40957
0.99202	0.018013	0.69782	0.038261	0.40942	-0.00959	0.83633	0.214195	3.00E-06
0.16827	-0.0347	0.45435	0.088194	0.05685	0.071537	0.12265	-0.04964	0.28437
6.21E-07	0.241145	1.33E-07	0.080545	0.08208	0.129794	0.00497	-0.00494	0.91524
2.87E-06	0.177788	0.00011	0.009269	0.84167	-0.01437	0.75684	0.107963	0.01961
7.93E-05	0.225148	8.85E-07	0.105372	0.02276	-0.00332	0.94288	-0.02835	0.54112
0.46578	-0.08301	0.07311	-0.00698	0.88046	-0.07566	0.10246	-0.09684	0.03644
0.02969	0.126281	0.00628	0.1458	0.00158	0.156917	0.00067	0.070241	0.12959
0.00059	0.213319	3.30E-06	0.021393	0.64471	-0.00291	0.95002	0.026815	0.56325
0.709	0.005754	0.9013	0.006112	0.89519	-0.00213	0.9634	0.087303	0.0594
0.0002	0.205339	7.70E-06	0.11216	0.01531	0.06643	0.15177	0.107569	0.02007
6.57E-06	-0.19471	2.26E-05	-0.12024	0.0093	-0.08962	0.05295	-0.08748	0.05889
0.03163	-0.13612	0.0032	0.041739	0.36814	0.074507	0.10783	0.048808	0.29255
0.0722	0.053844	0.24552	-0.04381	0.34483	-0.05873	0.2052	-0.01885	0.68447
0.53092	-0.0267	0.56487	0.095515	0.03909	0.047606	0.30461	-0.00147	0.97476
0.03918	0.081947	0.07687	0.115771	0.0123	0.042074	0.36431	-0.03641	0.43244
0.00121	-0.13715	0.00298	-0.02434	0.59985	-0.02215	0.63308	0.022204	0.63222
0.33481	-0.02438	0.5992	0.001054	0.98187	0.056604	0.22212	0.004806	0.9175
0.539	-0.0096	0.83602	0.085623	0.06449	0.039331	0.39643	-0.00477	0.9182
0.1491	0.150319	0.00112	0.045112	0.33067	-0.01902	0.68178	-0.12924	0.00516
2.20E-07	0.247947	5.67E-08	0.114592	0.01322	-0.03081	0.50664	0.184068	6.30E-05
0.01161	-0.13957	0.0025	-0.13015	0.00485	-0.11881	0.01018	-0.02083	0.65347
0.00466	-0.21332	3.30E-06	-0.03819	0.41035	-0.09307	0.0444	-0.14542	0.00163
0.02069	0.068061	0.14195	-0.04656	0.31538	0.085214	0.06578	-0.008	0.86306
0.60935	0.083002	0.07314	0.052986	0.25313	0.056052	0.22667	0.046012	0.3211
0.06374	-0.11401	0.01369	0.004402	0.92441	-0.05457	0.23923	-0.0672	0.14707
0.09769	0.090134	0.05159	0.092977	0.04462	0.020243	0.66261	-0.00141	0.97569
0.32611	0.113592	0.01404	0.081499	0.07851	0.046905	0.3118	0.174345	0.00015
0.54372	0.172276	0.00018	0.151276	0.00104	0.108823	0.01865	0.164905	0.00035
0.4897	0.099115	0.03224	0.042598	0.35835	0.154781	0.00079	0.004073	0.93005
0.48832	0.012598	0.78599	0.150901	0.00107	-0.0045	0.9227	-0.08815	0.05697
0.07321	0.03084	0.50616	0.05912	0.20221	-0.02783	0.54855	-0.13366	0.00381
0.19308	-0.1028	0.02631	0.011917	0.79729	0.002236	0.96157	-0.11009	0.01731
0.59705	-0.04854	0.29522	-0.00015	0.99748	0.05757	0.21431	0.022871	0.62202
0.04199	0.021818	0.63816	0.19408	2.41E-05	0.027379	0.55506	0.047135	0.30942
0.16456	0.106714	0.02108	0.032201	0.48757	0.044436	0.33798	0.066498	0.15135
0.6978	0.131316	0.00448	0.111467	0.01596	0.021297	0.6462	-0.00611	0.89515
0.52042	-0.0358	0.44022	-0.01348	0.77136	-0.06807	0.14193	0.143738	0.00185
0.05617	0.028526	0.53861	0.103982	0.02463	-0.00562	0.90367	0.057739	0.21297
0.22833	-0.02617	0.57274	0.009561	0.83674	0.029765	0.5211	-0.07261	0.1171
0.00027	0.162853	0.00041	-0.1108	0.01661	-0.06319	0.1728	-0.12026	0.00929
0.22474	0.00206	0.96458	-0.06587	0.15527	-0.05698	0.21908	0.043012	0.3537
0.76055	0.060836	0.1894	0.05016	0.27937	0.061708	0.18312	0.003694	0.93654
0.24652	-0.00926	0.84173	0.098778	0.03283	0.062759	0.17576	0.057465	0.21515

0.01565	-0.0333	0.47278	-0.04218	0.36308	-0.07217	0.11937	-0.23003	5.03E-07
0.1706	0.198104	1.61E-05	0.022556	0.62682	0.000429	0.99262	-0.16794	0.00027
0.29141	0.042795	0.35613	-0.0263	0.57082	-0.08222	0.07591	-0.05874	0.20514
0.00217	0.335818	8.97E-14	0.194446	2.32E-05	0.122956	0.00781	0.128849	0.00529
0.77553	-0.00516	0.91142	-0.05177	0.26417	0.016361	0.72436	-0.05544	0.23178
0.42492	0.053504	0.24852	-0.11562	0.01241	-0.12779	0.00568	0.028187	0.54344
9.58E-05	-0.1765	0.00013	-0.1454	0.00163	-0.10377	0.02493	-0.05968	0.19799
0.00425	-0.11558	0.01244	-0.10646	0.02139	-0.02836	0.54097	-0.03158	0.49599
0.74557	0.143177	0.00192	0.063272	0.17224	0.060752	0.19001	0.102325	0.02703
1.19E-06	-0.23296	3.56E-07	-0.06345	0.17103	-0.0962	0.0377	-0.0662	0.1532
0.16769	-0.06524	0.15925	-0.01495	0.74729	-0.04997	0.28123	-0.03284	0.47901
0.49893	0.066927	0.14873	0.270474	2.84E-09	0.14271	0.00199	0.000429	0.99262
1.80E-08	-0.28194	5.55E-10	-0.09921	0.03208	-0.07196	0.12046	0.037881	0.41409
2.63E-06	-0.25315	2.91E-08	-0.0813	0.07924	-0.07579	0.10188	0.080964	0.08049
0.00014	-0.21488	2.78E-06	-0.06603	0.15428	-0.05584	0.22847	0.027669	0.55088
3.37E-05	-0.22522	8.77E-07	-0.04092	0.37765	-0.06147	0.18482	0.069407	0.13422
0.46492	0.015803	0.73339	-0.03139	0.49866	-0.06292	0.17466	-0.16522	0.00034
0.00069	-0.17711	0.00012	-0.01422	0.75921	-0.05138	0.2678	-0.1755	0.00014
0.04739	0.117546	0.01102	0.02084	0.65329	0.003279	0.94366	0.055301	0.23296
0.91974	0.038679	0.40432	0.016808	0.71715	-0.00335	0.9424	-0.01199	0.79612
0.0042	0.318398	1.84E-12	0.084136	0.06929	0.204582	8.33E-06	0.147268	0.00142
0.98007	0.13178	0.00434	-0.05353	0.24833	-0.05001	0.28081	-0.10528	0.02289
1.60E-05	0.253415	2.82E-08	-0.02917	0.52948	-0.04996	0.28125	-0.02028	0.662
0.2356	-0.01034	0.82361	0.068975	0.13666	-0.0481	0.2996	-0.1221	0.00826
0.00052	0.328705	3.15E-13	0.182876	7.04E-05	0.115953	0.01216	0.051871	0.26327
0.68656	-0.19804	1.62E-05	-0.1476	0.00138	-0.0863	0.06241	-0.0959	0.03831
0.47972	0.060606	0.19107	-0.11223	0.01525	0.1317	0.00436	-0.04019	0.38622
0.10662	-0.02391	0.6063	0.095438	0.03924	0.10166	0.02804	0.006285	0.89224
0.00017	-0.11005	0.01736	0.063584	0.17013	-0.01549	0.73848	-0.15429	0.00082
0.00011	0.100616	0.0297	0.063531	0.1705	0.099706	0.03122	0.054479	0.23999
7.48E-06	0.173615	0.00016	-0.0144	0.75635	-0.00715	0.87754	0.052463	0.25785
0.80261	0.078569	0.08989	0.092637	0.04541	0.12225	0.00818	0.02973	0.5216
1.42E-06	-0.24806	5.59E-08	-0.09903	0.03239	-0.16505	0.00034	-0.03846	0.40694
0.01022	0.090246	0.0513	-0.05196	0.26246	-0.10269	0.02649	-0.0769	0.09694
0.00498	-0.21537	2.64E-06	-0.15353	0.00087	-0.17447	0.00015	-0.10929	0.01815
0.1371	0.191954	2.97E-05	0.100665	0.02962	0.150902	0.00107	-0.01067	0.81814
0.00803	-0.19572	2.05E-05	-0.02987	0.51966	-0.0423	0.36168	-0.10141	0.02843
0.06657	0.072642	0.11696	-0.09793	0.03437	-0.04097	0.37699	-0.04734	0.30729
1.46E-05	0.259348	1.29E-08	-0.0016	0.97255	-0.01238	0.78965	0.212741	3.51E-06
0.2027	0.104901	0.02338	0.112516	0.01499	0.088986	0.05465	-0.03338	0.47172
0.04644	0.147438	0.0014	0.129853	0.00495	0.036686	0.42898	0.029993	0.51792
0.00684	0.208588	5.48E-06	0.068579	0.13894	0.033701	0.46751	0.02043	0.65968
0.40751	0.012108	0.79412	0.040287	0.38505	0.041709	0.36849	0.027843	0.54838
0.21003	0.007398	0.87331	0.028422	0.54009	0.026781	0.56374	0.017341	0.70857
0.55436	-0.07998	0.08427	-0.04514	0.33034	-0.01215	0.79338	0.032683	0.48108

0.35905	0.120643	0.00906	0.047291	0.30782	7.96E-05	0.99863	0.101054	0.029
0.68176	0.041801	0.36743	0.161928	0.00044	0.072468	0.11784	-0.00231	0.96025
0.02907	0.151189	0.00105	0.073992	0.11029	0.015755	0.73418	0.21989	1.60E-06
0.15141	0.005352	0.90817	0.015584	0.73696	-0.02502	0.58973	-0.07005	0.13066
0.08214	0.248403	5.35E-08	0.073354	0.1134	0.261335	9.91E-09	0.030163	0.51555
0.71346	0.101198	0.02877	0.184755	5.91E-05	0.1241	0.00725	0.004122	0.92921
3.88E-05	0.43108	1.48E-22	0.221373	1.36E-06	0.22137	1.36E-06	0.181101	8.29E-05
1.90E-05	0.270409	2.87E-09	0.185471	5.52E-05	0.011726	0.80048	0.049781	0.28302
0.0002	-0.09651	0.03709	0.070034	0.13072	-0.00696	0.88074	-0.06602	0.15431
1.50E-07	0.310243	7.06E-12	-0.08747	0.05892	-0.01455	0.75379	0.039056	0.39976
0.04202	0.123255	0.00766	0.149432	0.0012	0.085563	0.06468	0.116884	0.01148
0.27001	0.082288	0.07565	0.097478	0.03521	0.076722	0.09773	0.07713	0.09595
0.5946	0.056367	0.22406	0.028168	0.54371	-0.00065	0.98888	0.046133	0.31983
0.47054	-0.02287	0.62198	-0.0443	0.33947	-0.06498	0.16091	-0.10824	0.0193
2.80E-05	0.29772	5.17E-11	0.052551	0.25706	0.164427	0.00036	0.228998	5.67E-07
0.88616	0.063822	0.16854	0.037859	0.41437	0.061242	0.18645	0.021133	0.64873
0.06195	0.056921	0.21953	-0.03514	0.44867	-0.13868	0.00267	0.114745	0.01309
0.00063	-0.28565	3.22E-10	-0.10152	0.02826	-0.15785	0.00062	-0.04275	0.35662
0.04054	-0.00757	0.87035	-0.12128	0.0087	-0.04362	0.34695	-0.11023	0.01717
0.27437	0.135392	0.00337	0.099572	0.03145	-0.0488	0.29266	-0.01572	0.73479
0.45376	0.086827	0.06081	0.062854	0.1751	0.222782	1.16E-06	0.010057	0.8284
0.02149	0.185301	5.61E-05	0.126532	0.00618	0.039517	0.3942	0.039095	0.39927
2.66E-06	0.310675	6.58E-12	0.120734	0.00901	0.041025	0.3764	0.074183	0.10937
0.00177	-0.02492	0.59117	-0.0117	0.80092	-0.09598	0.03814	0.004641	0.92033
0.34065	-0.09977	0.03112	-0.06887	0.13724	-0.11753	0.01102	0.062193	0.17969
0.00261	0.192406	2.84E-05	0.11482	0.01303	0.003423	0.94119	0.061912	0.18167
0.40048	0.090872	0.0497	-0.00719	0.87683	-0.02641	0.56918	-0.0262	0.57217
0.00036	-0.13868	0.00267	-0.02716	0.55825	-0.00012	0.99795	-0.05482	0.23705
0.18555	0.222124	1.25E-06	0.186303	5.10E-05	0.1343	0.00364	0.082175	0.07605
0.0105	0.124105	0.00725	-0.04268	0.35748	-0.03169	0.49446	0.024518	0.59716
3.76E-09	-0.197	1.80E-05	-0.1056	0.02247	-0.02325	0.61629	-0.12639	0.00624
0.0005	-0.06532	0.15872	-0.0683	0.14057	0.057318	0.21633	-0.00193	0.96683
6.12E-07	0.299976	3.64E-11	0.056933	0.21944	0.11785	0.01081	-0.06205	0.18073
0.58008	0.140655	0.00231	0.00812	0.86107	0.069737	0.13237	0.059396	0.2001
0.83741	0.07352	0.11259	0.021164	0.64826	0.040549	0.38196	-0.08476	0.06724
0.00178	0.247465	6.03E-08	0.010208	0.82586	0.133773	0.00378	0.047532	0.30537
0.02099	0.248585	5.23E-08	0.140373	0.00236	0.107939	0.01964	-0.08236	0.07539
0.00147	0.289422	1.83E-10	0.04991	0.28177	0.187058	4.75E-05	0.057168	0.21753
0.96178	-0.00401	0.93116	0.09154	0.04804	-0.03887	0.40195	0.039091	0.39933
0.9378	0.033616	0.46864	0.044799	0.33404	0.072701	0.11666	0.104801	0.02352
0.5041	0.019706	0.67102	0.002127	0.96343	0.002104	0.96382	0.070099	0.13037
1.69E-06	0.222014	1.26E-06	0.037881	0.41409	0.097182	0.03578	0.205177	7.83E-06
0.00428	-0.21224	3.71E-06	-0.0419	0.36627	-0.04439	0.33852	-0.25466	2.40E-08
0.00072	0.15347	0.00088	0.051081	0.27063	0.033668	0.46795	0.349329	7.54E-15
0.9343	0.068955	0.13678	0.120882	0.00893	0.106507	0.02133	-0.14055	0.00233

0.78618	0.147568	0.00138	0.002905	0.95009	0.015432	0.73943	0.003368	0.94214
0.14283	0.148282	0.00131	-0.00298	0.94879	0.073422	0.11307	-0.05569	0.2297
0.00062	0.138951	0.00262	0.063973	0.16753	0.024241	0.6013	0.086071	0.0631
0.35795	0.035493	0.44415	0.085238	0.06571	0.036598	0.4301	-0.03103	0.50348
9.90E-10	-0.39786	3.66E-19	-0.12139	0.00864	-0.15514	0.00077	-0.00692	0.88149
0.04141	-0.10877	0.01871	0.069108	0.13591	0.034712	0.45425	-0.01558	0.73709
9.40E-06	-0.26786	4.08E-09	-0.04638	0.31727	-0.06954	0.13347	-0.07037	0.12888
0.00267	-0.20717	6.36E-06	-0.10808	0.01948	-0.09258	0.04554	-0.12743	0.00582
0.00166	-0.13324	0.00392	0.070841	0.12634	0.025169	0.58745	0.007537	0.87096
0.0881	-0.16914	0.00024	-0.13358	0.00383	-0.20841	5.58E-06	-0.00822	0.85938
0.17567	0.076195	0.10006	0.029457	0.52543	0.0293	0.52763	0.12117	0.00876
0.09781	-0.07703	0.0964	-0.00519	0.91101	-0.05127	0.26883	0.01515	0.74402
0.38845	-0.01653	0.72157	0.012111	0.79408	-0.00964	0.83539	-0.00169	0.97091
0.91775	-0.00062	0.98938	0.028125	0.54433	-0.0077	0.86818	0.007879	0.86515
0.01963	0.105055	0.02318	0.084125	0.06932	-0.10267	0.02652	0.00827	0.85853
1.08E-08	-0.25925	1.31E-08	0.041805	0.36738	-0.05005	0.28039	-0.07825	0.09121
3.74E-05	0.324511	6.51E-13	0.08136	0.07902	0.229152	5.57E-07	-0.11057	0.01683
0.56474	-0.02099	0.651	-0.01678	0.71767	0.021245	0.647	-0.00301	0.9482
0.35982	-0.04357	0.34754	-0.09897	0.03249	0.020182	0.66356	0.092312	0.04617
1.27E-07	0.252647	3.11E-08	-0.00391	0.93286	0.130272	0.00481	0.195822	2.03E-05
0.7256	0.088189	0.05686	0.212321	3.68E-06	0.104453	0.02398	0.172534	0.00018
0.07967	-0.08975	0.0526	-0.07229	0.11875	-0.17986	9.29E-05	-0.05163	0.26545
0.76287	0.088554	0.05584	0.050551	0.27563	0.034002	0.46353	-0.0773	0.0952
0.84	0.044762	0.33445	0.008425	0.85591	0.112447	0.01505	-0.05664	0.2218
0.07325	0.08586	0.06375	0.040814	0.37885	0.157302	0.00065	-0.13557	0.00333
0.79309	0.116881	0.01148	0.100884	0.02927	0.11574	0.01232	0.011166	0.80982
1.13E-06	-0.28875	2.03E-10	-0.08432	0.06867	-0.08567	0.06433	0.056362	0.2241
0.26271	0.089126	0.05427	0.017019	0.71375	0.00432	0.92583	-0.00503	0.9136
0.45653	0.128784	0.00532	0.042802	0.35606	0.017429	0.70717	0.154497	0.00081
0.38175	-0.06607	0.15399	0.087089	0.06003	-0.05147	0.26701	-0.01046	0.8216
0.46681	0.102135	0.02731	0.009623	0.8357	0.007923	0.86442	0.073249	0.11392
0.34194	0.069904	0.13144	0.051115	0.27031	0.067219	0.14696	0.063632	0.16981
0.86209	0.030987	0.50413	-0.00799	0.86326	-0.03307	0.47591	-0.03823	0.40981
3.88E-05	0.103019	0.026	-0.01641	0.72351	-0.00508	0.91283	0.066288	0.15265
0.00035	0.130306	0.0048	-0.06898	0.13664	0.058138	0.20982	-0.02527	0.58598
0.01645	0.263017	7.90E-09	0.095707	0.03869	0.062453	0.17788	0.075943	0.10119
0.00134	0.137171	0.00297	0.013995	0.76292	0.019032	0.68164	0.086002	0.06331
0.71585	-0.03518	0.44819	-0.03872	0.40387	-0.00758	0.87027	0.151355	0.00103
0.17972	-0.04295	0.35439	-0.05926	0.20114	-0.04075	0.37966	-0.07969	0.0854
5.29E-10	-0.3067	1.25E-11	-0.14074	0.0023	-0.05437	0.24094	-0.14502	0.00168
0.00275	0.26973	3.15E-09	0.16808	0.00026	0.007382	0.87359	-0.05498	0.23567
3.71E-10	-0.30488	1.68E-11	-0.03961	0.39312	-0.01348	0.77141	-0.09034	0.05106
0.00714	-0.10591	0.02208	-0.04704	0.31039	-0.00591	0.89862	-0.18596	5.27E-05
0.32219	0.114676	0.01315	0.002703	0.95354	0.037148	0.42319	0.085207	0.0658
0.0219	0.178415	0.00011	0.07648	0.09879	0.100885	0.02927	0.118439	0.01042

0.12813	0.098156	0.03396	0.049666	0.28414	0.065831	0.15551	-0.12319	0.0077
6.49E-07	0.327174	4.11E-13	0.109326	0.01811	0.01148	0.80457	0.012208	0.79245
2.77E-10	-0.26365	7.25E-09	-0.04431	0.33934	-0.10153	0.02825	-0.03405	0.46292
0.78969	-0.00877	0.85014	0.073125	0.11454	0.041217	0.37417	0.005071	0.91298
0.10925	-0.01387	0.76498	-0.00821	0.85956	-0.00022	0.99619	-0.04012	0.38698
0.00054	-0.08755	0.05869	0.055681	0.22975	0.10471	0.02364	0.06812	0.1416
0.05516	0.070391	0.12877	0.017746	0.7021	0.053541	0.24819	-0.0153	0.74156
0.01264	0.165034	0.00034	0.034697	0.45444	0.023716	0.60921	-0.05555	0.23087
0.35896	0.018699	0.68691	0.077787	0.09315	0.051372	0.2679	-0.00315	0.94591
0.01655	-0.21888	1.79E-06	-0.03619	0.4352	-0.06532	0.15876	0.044348	0.33894
0.21264	0.056639	0.22183	0.14419	0.00178	0.006884	0.88205	0.005441	0.90665
0.005	0.091805	0.04739	0.024525	0.59705	0.17026	0.00022	-0.04126	0.37361
0.84751	0.106097	0.02184	-0.07529	0.10415	0.030369	0.51268	-0.19133	3.15E-05
7.13E-06	0.247952	5.67E-08	0.054651	0.2385	0.192347	2.86E-05	0.235318	2.69E-07
1.51E-05	0.217558	2.08E-06	0.096894	0.03633	0.062254	0.17927	0.066693	0.15016
0.26503	-0.17933	9.76E-05	-0.05939	0.20015	0.005687	0.90245	0.011466	0.8048
6.49E-05	-0.21525	2.68E-06	-0.01421	0.75947	-0.03385	0.46554	-0.16834	0.00026
0.01124	0.160188	0.00051	0.139198	0.00257	-0.02397	0.60541	0.010744	0.81688
0.01071	0.054348	0.24112	-0.04199	0.36527	-0.06987	0.1316	-0.00861	0.85285
0.44136	0.035603	0.44275	-0.05385	0.24549	-0.03624	0.43458	-0.01004	0.82867
0.00206	0.10617	0.02175	0.007009	0.87993	-0.07878	0.08904	-0.05904	0.20285
0.7055	0.015124	0.74444	0.028142	0.54409	0.03624	0.43462	0.063292	0.17211
0.00089	0.139313	0.00255	0.077224	0.09555	0.01656	0.72115	0.145292	0.00164
0.831	-0.0235	0.61248	0.092644	0.04539	0.020111	0.66466	-0.15974	0.00053
4.34E-05	-0.15564	0.00074	-0.09051	0.05061	-0.02601	0.57497	-0.23779	2.00E-07
0.65232	0.069182	0.13549	0.111503	0.01592	0.075638	0.10257	-0.08442	0.06836
4.08E-06	0.25785	1.58E-08	0.027646	0.55122	0.068689	0.1383	0.119863	0.00952
0.61882	0.070967	0.12566	0.184921	5.82E-05	0.080245	0.08323	0.011432	0.80538
0.03332	0.180957	8.40E-05	0.036436	0.43214	0.12617	0.00633	0.085911	0.0636
0.00024	-0.16826	0.00026	0.058475	0.20718	-0.1067	0.0211	-0.06027	0.19354
0.01481	0.189292	3.84E-05	0.100349	0.03014	0.055382	0.23227	0.065287	0.15896
0.00595	-0.10947	0.01796	0.062758	0.17577	0.017825	0.70084	-0.13366	0.00381
0.85668	0.018261	0.69388	0.03281	0.47936	0.075035	0.10535	0.079199	0.08734
0.50412	0.061435	0.18507	0.052766	0.25511	0.045062	0.33121	0.030243	0.51443
0.63774	0.110671	0.01673	-0.00013	0.99785	0.046224	0.31888	0.115189	0.01274
1.49E-05	0.146848	0.00146	0.057903	0.21167	0.048058	0.30003	0.087004	0.06029
0.09358	0.135875	0.00326	0.02612	0.57341	0.0611	0.18748	0.131745	0.00435
0.21518	0.069027	0.13636	0.051696	0.26489	0.070805	0.12653	0.117666	0.01093
6.19E-07	-0.17918	9.89E-05	-0.01119	0.80941	-0.11343	0.01419	-0.21968	1.64E-06
0.0287	-0.12192	0.00835	0.017177	0.71121	-0.02476	0.59346	-0.00981	0.83249
0.94804	0.04158	0.36997	0.055782	0.22891	0.078911	0.0885	0.017542	0.70536
0.07064	0.052581	0.25679	0.066686	0.1502	0.051154	0.26994	-0.12473	0.00696
0.01125	0.109178	0.01827	-0.00845	0.85554	0.032272	0.4866	0.066159	0.15345
0.03493	0.182314	7.42E-05	0.055891	0.22801	0.056812	0.22042	0.212584	3.57E-06
0.43426	-0.01403	0.76231	0.04073	0.37984	-0.03846	0.40704	0.113204	0.01438

0.02698	0.087669	0.05834	-0.06624	0.15294	-0.10571	0.02233	-0.0809	0.08073
0.78761	0.078032	0.09212	0.130108	0.00486	-0.04565	0.32492	-0.10922	0.01822
0.12264	0.047061	0.31018	-0.03854	0.40595	0.001817	0.96876	0.076186	0.1001
0.00619	0.223735	1.04E-06	0.061113	0.18738	0.110093	0.01731	0.207394	6.21E-06
0.74562	0.064904	0.16142	0.103684	0.02505	-0.00822	0.85937	0.048698	0.29363
0.06051	0.238919	1.74E-07	-0.06365	0.1697	0.113548	0.01408	-0.16711	0.00029
0.13736	0.085406	0.06517	0.07872	0.08927	0.080737	0.08135	0.078503	0.09017
0.57773	0.078173	0.09153	0.065254	0.15917	0.021396	0.64466	0.061389	0.1854
0.08066	0.029617	0.52318	0.094211	0.04185	0.018765	0.68587	0.004639	0.92036
0.53992	0.081034	0.08023	0.006401	0.89028	0.067383	0.14597	0.088972	0.05469
0.20849	-0.00281	0.95175	0.17343	0.00017	0.057051	0.21848	0.032622	0.48189
0.01765	0.044312	0.33933	0.016987	0.71427	-0.0269	0.56201	0.021801	0.63842
0.23529	0.110153	0.01725	0.107875	0.01971	0.072475	0.1178	-0.02527	0.58594
0.13427	0.084937	0.06667	0.036015	0.43748	0.096896	0.03633	0.157551	0.00063
0.58074	-0.0353	0.4467	-0.0214	0.64454	-0.13142	0.00445	-0.04575	0.32392
0.00016	0.311509	5.75E-12	-0.00515	0.91154	0.145155	0.00166	0.084575	0.06784
0.23346	-0.107	0.02074	0.176531	0.00013	-0.01853	0.68965	-0.01275	0.78341
7.67E-08	-0.22801	6.36E-07	0.090602	0.05038	-0.05615	0.22585	-0.03177	0.49336
0.15689	0.057767	0.21275	0.200083	1.32E-05	0.046478	0.31622	0.063572	0.17022
4.04E-05	0.146672	0.00148	-0.02686	0.56258	-0.03041	0.51215	0.052182	0.26041
0.13746	-0.04057	0.38166	0.074391	0.10838	0.028173	0.54365	0.214718	2.84E-06
0.24376	-0.02006	0.66543	0.06847	0.13956	0.050744	0.2738	0.142812	0.00198
4.86E-09	0.269465	3.27E-09	0.014598	0.75303	0.025827	0.57771	0.113884	0.0138
4.59E-14	-0.38609	4.75E-18	-0.05439	0.2408	-0.18013	9.07E-05	-0.12354	0.00752
0.58043	-0.03328	0.47306	0.012344	0.79019	0.02388	0.60673	0.148489	0.00129
0.9835	0.070727	0.12695	0.097842	0.03453	0.112537	0.01497	0.036487	0.43149
0.74926	0.017742	0.70215	0.069143	0.13571	0.07279	0.11621	0.136427	0.00314
0.3005	0.087917	0.05763	0.07405	0.11001	0.389086	2.50E-18	-0.01366	0.76849
0.18008	0.020418	0.65987	0.07277	0.11631	0.072083	0.11981	0.046747	0.31342
0.36041	-0.08483	0.067	-0.10783	0.01976	0.032323	0.48592	-0.10584	0.02216
7.09E-07	0.228874	5.76E-07	0.164273	0.00036	0.114361	0.0134	-0.11978	0.00957
0.35833	0.172028	0.00019	-0.0007	0.9879	0.033732	0.4671	-0.22459	9.43E-07
6.99E-05	0.173772	0.00016	0.020534	0.65805	0.07106	0.12516	0.000569	0.99022
0.00036	-0.05218	0.26042	0.007525	0.87116	-0.0291	0.53046	0.04221	0.36276
0.01266	-0.04571	0.32425	0.09318	0.04415	0.109606	0.01782	0.018171	0.69532
0.46883	-0.06998	0.13103	0.023003	0.62001	-0.00674	0.88451	0.026357	0.56993
0.03611	0.03498	0.45077	-0.0982	0.03388	0.002288	0.96066	-0.01667	0.71943
0.00868	-0.07905	0.08795	0.069361	0.13447	0.055667	0.22987	0.038671	0.40441
1.17E-07	-0.22328	1.09E-06	0.049176	0.28891	-0.03912	0.39903	-0.02737	0.55521
0.13924	-0.11087	0.01653	0.017946	0.6989	0.020382	0.66042	0.113646	0.014
0.71628	-0.14749	0.00139	-0.00897	0.84672	0.00373	0.93593	0.012262	0.79156
0.00932	-0.05861	0.20611	-0.02194	0.63634	-0.05306	0.2525	0.040025	0.38815
1.18E-05	0.323104	8.28E-13	-0.00965	0.83531	0.089199	0.05407	-0.05835	0.20817
0.04877	0.058056	0.21046	0.052157	0.26064	0.04728	0.30794	0.071757	0.1215
0.42357	-0.05573	0.22936	-0.00373	0.93594	-0.00383	0.93415	-0.02753	0.55283

3.04E-08	0.322781	8.75E-13	0.001093	0.98121	0.038625	0.40498	0.188389	4.19E-05
0.41788	-0.06898	0.13663	0.014004	0.76278	-0.03877	0.40323	0.088221	0.05677
0.0125	-0.04491	0.3328	-0.00868	0.85158	0.084397	0.06843	-0.11586	0.01223
0.82314	0.017785	0.70147	0.014069	0.76171	-0.01905	0.68141	0.140895	0.00227
0.32608	0.086493	0.06181	0.077291	0.09526	-0.01647	0.72256	-0.0753	0.10411
0.03005	-0.1041	0.02446	-0.04156	0.37021	0.001862	0.968	0.0474	0.30671
0.02544	0.258413	1.46E-08	-0.04823	0.29832	0.040555	0.38189	-0.00143	0.97548
0.62089	0.05343	0.24918	0.045193	0.3298	0.024177	0.60226	0.03767	0.4167
0.00905	0.092632	0.04542	0.130262	0.00481	0.113311	0.01429	0.149048	0.00124
0.04527	0.146246	0.00153	-0.00264	0.95461	0.081008	0.08033	0.032424	0.48455
0.5529	0.031837	0.4925	0.010898	0.81429	0.021987	0.63556	0.171625	0.00019
0.8654	0.112604	0.01491	0.155166	0.00077	0.135155	0.00343	0.054243	0.24204
0.03007	0.136085	0.00321	0.078028	0.09213	0.063123	0.17326	0.034678	0.45469
0.2697	-0.00731	0.87477	0.071692	0.12184	0.080092	0.08382	0.091609	0.04787
1.52E-05	-0.19674	1.85E-05	-0.0974	0.03536	-0.09087	0.04971	-0.09496	0.04024
0.0005	-0.01167	0.80149	-0.00565	0.90305	-0.14077	0.0023	0.019952	0.66715
0.08426	-0.00382	0.93438	-0.04468	0.33538	0.028776	0.53505	0.04657	0.31527
0.89652	0.095981	0.03813	-0.00396	0.932	0.102623	0.02658	-0.01044	0.82196
2.55E-08	0.314462	3.54E-12	-0.09555	0.03902	0.02913	0.53003	0.108978	0.01849
1.57E-05	-0.14093	0.00227	-0.1163	0.0119	-0.03918	0.39828	0.030262	0.51417
0.03353	-0.11539	0.01259	0.026813	0.56328	0.096662	0.03678	0.123691	0.00745
0.03515	0.186711	4.91E-05	0.066761	0.14974	0.187486	4.56E-05	0.237909	1.97E-07
1.80E-13	-0.37414	5.79E-17	-0.13568	0.00331	-0.08925	0.05392	-0.21292	3.45E-06
0.64064	0.032371	0.48527	0.056779	0.22069	0.033299	0.47283	-0.01503	0.74592
0.00946	-0.09625	0.0376	-0.00686	0.8824	0.016289	0.72552	-0.10614	0.02178
0.29114	0.050672	0.27448	0.056335	0.22432	0.054615	0.23881	0.128952	0.00526
3.65E-09	-0.16615	0.00031	0.097224	0.0357	0.004864	0.91651	-0.26776	4.14E-09
0.84528	0.012998	0.77936	-0.02685	0.56271	-0.02591	0.57647	0.090989	0.0494
0.89033	0.10414	0.02441	0.049631	0.28447	0.025851	0.57736	0.063479	0.17084
2.36E-05	0.157885	0.00062	-0.04784	0.30226	-0.07407	0.10994	0.067003	0.14826
0.2618	0.091254	0.04874	-0.02624	0.57169	0.012763	0.78324	0.16595	0.00032
0.42611	-0.01954	0.67363	-0.09023	0.05135	-0.04782	0.30241	-0.20067	1.25E-05
7.27E-10	-0.2709	2.68E-09	-0.06079	0.18971	-0.02056	0.65762	-0.00776	0.86724
0.03194	0.216158	2.42E-06	0.114678	0.01315	0.046511	0.31588	0.041471	0.37122
2.98E-05	0.31824	1.89E-12	0.122911	0.00784	0.116274	0.01192	0.070401	0.12871
0.43712	-0.00684	0.88277	0.114808	0.01304	0.091133	0.04904	0.125168	0.00676
0.49422	0.055122	0.23448	-0.00046	0.99218	0.047529	0.30539	-0.07046	0.1284
1.10E-05	-0.07271	0.1166	0.005606	0.90383	0.050433	0.27675	0.079595	0.08576
0.75033	0.122248	0.00818	0.065428	0.15806	0.167948	0.00027	-0.06959	0.13321
0.01001	-0.02637	0.56967	0.19952	1.40E-05	0.027499	0.55334	0.075118	0.10496
0.07012	-0.08061	0.08182	0.011704	0.80085	-0.00839	0.85649	0.044097	0.34168
0.03254	0.058395	0.2078	0.038163	0.41062	0.135286	0.0034	0.027955	0.54677
0.5861	-0.0536	0.24766	0.004215	0.92761	-0.00766	0.86879	0.044522	0.33704
0.00056	0.328148	3.47E-13	0.327004	4.23E-13	0.158006	0.00061	0.01539	0.74011
0.08215	0.172955	0.00017	0.065104	0.16013	0.05153	0.26642	0.069695	0.1326

4.03E-07	0.4288	2.61E-22	0.067278	0.1466	0.067929	0.14273	0.115708	0.01234
0.27074	0.065468	0.1578	0.044057	0.34212	0.045526	0.32625	0.040962	0.37713
0.07298	-0.06948	0.13381	-0.06615	0.15349	-0.09396	0.04241	0.062923	0.17463
0.57376	0.033184	0.47437	0.092251	0.04632	0.02919	0.52919	-0.04648	0.3162
0.02253	0.087279	0.05948	0.06465	0.16307	0.033394	0.47158	0.091168	0.04896
0.88557	0.017962	0.69865	-0.04004	0.38794	0.10444	0.024	0.066749	0.14981
0.34453	0.136503	0.00312	0.069546	0.13344	-0.00787	0.86526	0.060287	0.19343
0.02892	0.276357	1.24E-09	0.120965	0.00888	0.084461	0.06822	0.130403	0.00476
1.13E-05	0.13595	0.00324	0.005844	0.89978	-0.02868	0.53643	0.071374	0.1235
0.50565	0.053105	0.25207	0.050335	0.27769	0.055494	0.23133	0.009655	0.83516
0.13056	0.141079	0.00224	0.0343	0.45963	-0.02008	0.6651	0.047435	0.30635
0.07924	0.084545	0.06794	-0.01979	0.66968	-0.04674	0.31354	-0.00817	0.86021
8.86E-07	0.281814	5.65E-10	0.135501	0.00335	0.168362	0.00026	0.246571	6.75E-08
0.86942	0.082996	0.07316	0.079722	0.08527	0.058216	0.2092	-0.08659	0.06153
0.79335	0.187406	4.60E-05	0.084846	0.06696	0.108429	0.01909	0.218355	1.90E-06
0.00023	-0.12903	0.00523	0.033289	0.47297	-0.01428	0.75827	0.022496	0.62775
0.00286	0.177515	0.00012	0.027595	0.55194	-0.03945	0.39496	0.129058	0.00522
0.04215	0.166941	0.00029	0.037029	0.42468	0.021601	0.64151	0.034422	0.45804
0.22102	0.153149	0.0009	-0.01077	0.81638	-0.01275	0.78344	0.076796	0.0974
0.04304	-0.01853	0.68957	0.100931	0.02919	0.250502	4.10E-08	0.024181	0.60221
0.21665	0.099821	0.03102	0.078893	0.08857	-0.01843	0.69123	0.105619	0.02245
0.52543	-0.05979	0.19716	-0.02754	0.5527	-0.02984	0.52012	0.045716	0.32424
0.10378	0.115389	0.01259	0.027549	0.55261	0.052497	0.25755	0.072475	0.1178
9.81E-06	0.354786	2.68E-15	0.071407	0.12333	0.119155	0.00996	0.131124	0.00454
0.00016	0.307176	1.16E-11	-0.01991	0.66777	-0.00198	0.96596	-0.00587	0.89936
0.00298	0.247607	5.92E-08	0.136392	0.00314	-0.00033	0.99431	0.091153	0.04899
0.82345	0.102177	0.02725	0.078377	0.09068	0.002153	0.963	-0.00351	0.93974
9.25E-05	0.275032	1.50E-09	0.05872	0.20529	0.039905	0.38958	0.074492	0.1079
0.23559	0.120697	0.00903	-0.00192	0.96696	-0.00954	0.83703	0.089813	0.05243
0.23924	-0.00061	0.98952	-0.0532	0.25126	0.002243	0.96145	-0.07514	0.10488
0.9935	0.066902	0.14888	0.053388	0.24955	0.091107	0.04911	0.066764	0.14972
0.23882	-0.05045	0.27655	0.005933	0.89824	0.031093	0.50268	0.051448	0.26719
5.88E-13	0.371035	1.09E-16	0.06265	0.17651	0.07416	0.10948	0.200545	1.26E-05
0.32853	0.226774	7.34E-07	-0.03704	0.42449	0.070627	0.12749	0.020509	0.65845
0.00806	0.115519	0.01249	0.024098	0.60345	-0.09244	0.04588	0.017162	0.71145
0.524	0.100126	0.03051	0.016113	0.72837	0.02756	0.55244	-0.13024	0.00482
0.97292	0.083504	0.07141	0.129035	0.00523	0.034101	0.46224	0.173421	0.00017
0.66724	0.025965	0.57568	0.056124	0.22606	0.075604	0.10273	0.045442	0.32715
8.94E-13	0.08492	0.06672	-0.088	0.05741	-0.13321	0.00393	-0.02629	0.57086
0.0597	0.161337	0.00047	0.072545	0.11745	0.014061	0.76184	0.205862	7.29E-06
0.00581	-0.08846	0.05611	0.000627	0.98921	-0.00982	0.83241	0.014801	0.74972
0.04034	-0.00356	0.93885	-0.01057	0.8198	-0.01423	0.75908	0.045738	0.324
0.27792	0.161626	0.00045	0.044592	0.33628	0.002603	0.95526	-0.18422	6.21E-05
3.07E-07	0.213479	3.24E-06	0.064733	0.16253	0.056644	0.22179	0.031989	0.49043
0.26273	0.218463	1.88E-06	-0.11565	0.01239	0.071289	0.12395	-0.13814	0.00278



8.43E-10	-0.29054	1.55E-10	-0.10097	0.02912	-0.08855	0.05584	-0.2641	6.82E-09
0.1682	-0.11483	0.01302	0.017274	0.70965	-0.00142	0.97556	-0.03673	0.4284
0.38837	0.069538	0.13348	0.038969	0.4008	0.152008	0.00098	0.008332	0.85748
0.59993	0.023336	0.61496	-0.03358	0.46912	0.037705	0.41626	0.010423	0.82226
0.47938	0.06062	0.19098	0.151388	0.00103	0.13726	0.00296	0.093086	0.04437
0.00506	0.1014	0.02845	0.148838	0.00126	0.053547	0.24814	0.185872	5.32E-05
0.84943	0.072123	0.1196	0.170809	0.00021	0.138387	0.00273	-0.05675	0.22095
3.36E-08	0.183041	6.93E-05	0.016059	0.72924	-0.07476	0.10665	-0.11283	0.0147
0.88417	0.075191	0.10462	0.057427	0.21546	0.131484	0.00443	-0.07524	0.10438
0.01959	0.090913	0.04959	0.107239	0.02045	-0.00045	0.99225	-0.00902	0.8459
0.96011	0.037453	0.41938	0.048789	0.29273	0.096976	0.03617	0.035205	0.44786
0.0071	-0.05764	0.21374	0.025283	0.58575	0.004649	0.92019	-0.12253	0.00803
0.00162	-0.19663	1.87E-05	-0.08606	0.06314	-0.11873	0.01023	-0.15559	0.00074
0.54289	-0.0863	0.06241	0.047677	0.30388	-0.05225	0.25981	-0.00834	0.85731
0.70604	0.042269	0.36208	0.077339	0.09505	0.129114	0.0052	-0.12861	0.00538
1.04E-12	0.16964	0.00023	-0.01194	0.79692	-0.10049	0.02991	0.169979	0.00022
0.89275	0.084963	0.06658	0.106761	0.02102	0.098718	0.03294	0.071622	0.1222
0.08948	-0.07825	0.09123	-0.07727	0.09534	-0.02923	0.52859	-0.01618	0.72722
0.00014	0.306182	1.36E-11	0.150037	0.00115	0.207128	6.39E-06	0.090416	0.05086
0.11989	0.196588	1.88E-05	-0.02582	0.57787	0.018529	0.68962	0.026724	0.56457
0.08958	0.166443	0.0003	0.337005	7.25E-14	0.007629	0.8694	-0.01142	0.80565
0.17187	0.138498	0.0027	0.054294	0.24159	0.034893	0.4519	0.114617	0.0132
0.1202	0.148795	0.00126	-0.00445	0.92359	0.14394	0.00182	-0.03951	0.39426
0.00519	0.192298	2.87E-05	0.150915	0.00107	0.17066	0.00021	0.12027	0.00928
0.09399	-0.01161	0.80233	-0.07088	0.12613	-0.04167	0.36898	0.011211	0.80906
0.12287	0.175772	0.00013	0.071596	0.12234	0.110829	0.01657	0.027296	0.55626
9.66E-06	0.319123	1.63E-12	0.055626	0.23022	0.060022	0.1954	0.035009	0.45039
0.01445	0.060757	0.18997	0.094776	0.04063	0.113524	0.0141	0.037392	0.42015
0.27378	0.32019	1.36E-12	0.075214	0.10452	0.329071	2.96E-13	0.052386	0.25855
0.10287	0.008706	0.85116	0.024605	0.59585	-0.16687	0.00029	-0.13861	0.00268
0.07267	0.09686	0.0364	0.080728	0.08138	0.038606	0.4052	0.042979	0.35407
0.00045	0.056709	0.22126	0.023451	0.61321	0.0451	0.3308	0.106536	0.0213
0.39209	-0.06007	0.19503	0.299494	3.92E-11	-0.00306	0.94738	-0.12022	0.00931
0.6376	0.008234	0.85915	0.082137	0.07619	0.01521	0.74304	-0.01955	0.67351
5.10E-05	0.206203	7.04E-06	0.070201	0.12981	0.046605	0.31491	0.049879	0.28208
0.00284	0.103375	0.02549	0.024402	0.59889	-0.05359	0.24776	-0.07613	0.10033
0.29377	-0.06328	0.1722	-0.00669	0.88539	-0.00262	0.95504	-0.02335	0.6147
0.93924	-0.04465	0.33569	-0.01119	0.80945	-0.00732	0.87461	0.000514	0.99116
0.83137	-0.03515	0.44855	-0.0179	0.69956	-0.02163	0.64104	0.002499	0.95704
0.48274	0.046746	0.31344	-0.00018	0.9969	-0.00824	0.85908	-0.01538	0.74027
0.19006	0.069519	0.13359	0.006056	0.89615	-0.01518	0.7436	0.198202	1.60E-05
0.98219	0.014276	0.75831	0.059146	0.20201	0.065719	0.15621	0.076233	0.09989
0.06242	0.096352	0.03739	0.083603	0.07108	0.066795	0.14953	0.098244	0.03379
0.20502	0.049569	0.28508	0.02498	0.59025	0.007973	0.86356	0.0386	0.40528
0.10811	0.076308	0.09956	0.050545	0.27569	0.053256	0.25072	0.177065	0.00012

0.77717	0.017428	0.70718	0.036798	0.42758	0.056683	0.22147	0.071079	0.12507
5.65E-10	-0.30208	2.61E-11	-0.06793	0.14273	-0.1312	0.00451	-0.23985	1.55E-07
0.00892	0.086798	0.0609	0.058978	0.2033	0.088117	0.05706	0.040047	0.38789
1.70E-05	0.390711	1.76E-18	0.090856	0.04974	0.097227	0.03569	0.011674	0.80135
0.16261	0.165659	0.00032	0.108834	0.01864	0.112239	0.01524	0.121378	0.00865
0.54346	0.046163	0.31952	-0.00429	0.92639	-0.00022	0.99624	-0.04408	0.34183
0.60068	0.086845	0.06076	0.066767	0.1497	0.120251	0.00929	0.10986	0.01755
0.29551	0.055729	0.22936	0.049773	0.2831	0.04437	0.3387	0.009371	0.83994
0.34926	-0.00068	0.98826	0.131611	0.00439	0.055492	0.23134	0.082882	0.07355
0.05437	-0.05481	0.23712	0.119534	0.00972	0.084707	0.06741	0.092339	0.04611
7.27E-05	-0.12031	0.00926	0.008434	0.85576	0.057838	0.21218	-0.1263	0.00627
2.74E-05	0.190499	3.42E-05	0.134639	0.00356	0.022786	0.62331	0.044186	0.3407
0.48496	-0.09574	0.03862	0.001917	0.96705	-0.00397	0.93179	0.057347	0.2161
2.90E-13	0.405052	7.26E-20	0.108569	0.01893	0.005916	0.89854	0.158788	0.00057
0.17335	0.051814	0.2638	0.024254	0.60111	0.052702	0.25569	0.117184	0.01127
0.94801	0.052564	0.25694	-0.14862	0.00128	-0.07798	0.09233	-0.13977	0.00247
0.15515	0.097514	0.03515	0.16494	0.00034	0.060886	0.18903	0.043264	0.35088
0.90061	0.085595	0.06458	0.004308	0.92603	0.007072	0.87885	0.017252	0.71001
0.20421	0.084881	0.06685	0.012432	0.78874	-0.01334	0.77376	-0.01082	0.81557
0.62423	0.115514	0.01249	-0.05255	0.2571	-0.03504	0.45005	-0.02322	0.6167
0.34269	-0.01566	0.73572	0.056542	0.22262	0.000761	0.98692	-0.14601	0.00156
0.02415	-0.07636	0.0993	-0.00251	0.95681	-0.03204	0.48975	0.029973	0.51819
0.30242	0.046062	0.32058	0.0855	0.06488	0.016658	0.71956	-0.03296	0.47732
0.00378	0.014928	0.74764	0.036905	0.42624	0.001485	0.97447	0.152389	0.00095
0.07241	-0.10201	0.02751	0.022425	0.62883	-0.05654	0.22265	-0.07363	0.11207
0.14445	-0.04074	0.37975	0.055368	0.23239	-0.00095	0.98374	-0.00234	0.95976
0.00083	0.324687	6.31E-13	0.06639	0.15202	0.102624	0.02658	-0.06909	0.13603
0.00016	0.342221	2.82E-14	-0.04042	0.38343	0.097115	0.0359	0.047494	0.30575
0.18593	0.156187	0.00071	0.073964	0.11043	0.018412	0.69148	0.084507	0.06806
0.00264	-0.20476	8.18E-06	0.016863	0.71627	-0.12619	0.00632	-0.11797	0.01072
8.24E-09	0.307374	1.12E-11	0.031011	0.50381	0.055428	0.23189	0.202693	1.01E-05
0.01251	0.126196	0.00632	-0.06929	0.13486	0.083531	0.07132	-0.05478	0.23736
4.91E-07	0.304113	1.89E-11	0.268132	3.93E-09	0.056075	0.22647	0.120963	0.00888
0.00556	0.314846	3.32E-12	0.351579	4.93E-15	0.442001	9.35E-24	0.046895	0.31189
0.02024	-0.04477	0.33435	-0.00113	0.98054	-0.02963	0.52294	0.043217	0.35141
0.01441	0.109609	0.01781	-0.02015	0.66405	-0.06213	0.1801	0.007915	0.86455
0.0009	0.110897	0.01651	-0.08561	0.06453	-0.15207	0.00098	-0.10929	0.01816
0.40901	0.098076	0.0341	-0.01322	0.77574	-0.02058	0.65734	-0.08709	0.06003
0.96168	-0.06154	0.18432	0.109103	0.01835	-0.07226	0.11892	-0.01313	0.77721
0.00027	-0.20645	6.86E-06	-0.01148	0.80453	-0.00174	0.97015	-0.0236	0.61101
0.00246	0.020602	0.657	-0.0575	0.21485	-0.07562	0.10267	-0.1352	0.00342
0.00675	-0.15895	0.00057	0.079151	0.08753	0.059205	0.20156	-0.1073	0.02038
0.50978	0.106242	0.02166	0.086111	0.06298	0.074506	0.10784	0.008154	0.8605
8.63E-05	0.139729	0.00248	-0.02682	0.56315	-0.05166	0.26525	-0.06186	0.18205
0.10197	0.012948	0.78019	0.044085	0.34181	0.076989	0.09656	-0.00692	0.88142

0.0694	0.273628	1.83E-09	-0.0038	0.93472	0.081803	0.07739	-0.06968	0.13267
0.10753	0.295043	7.81E-11	0.054722	0.2379	0.057025	0.21869	0.024146	0.60274
2.76E-07	-0.26018	1.16E-08	-0.19576	2.04E-05	-0.07414	0.10959	-0.16896	0.00024
0.7628	0.064234	0.1658	0.155247	0.00076	0.027973	0.54651	0.021132	0.64875
0.63386	0.188434	4.17E-05	0.027006	0.56047	0.109954	0.01746	0.084685	0.06748
0.74586	0.006407	0.89017	0.028007	0.54602	-0.00364	0.93741	-0.04946	0.28611
0.30764	-0.05563	0.23017	0.107809	0.01979	0.05907	0.20259	-0.00118	0.97969
0.36541	0.115612	0.01242	0.038863	0.40209	0.03546	0.44458	-0.0062	0.89374
0.39166	0.141877	0.00212	0.102353	0.02698	0.065818	0.15559	0.111547	0.01588
0.2782	0.148277	0.00131	0.082866	0.07361	0.088339	0.05644	0.085125	0.06607
0.49028	0.118499	0.01038	0.065464	0.15783	0.071997	0.12025	0.042802	0.35606
0.00155	0.155759	0.00073	0.047696	0.30369	0.081009	0.08033	-0.02803	0.54574
0.00865	0.144182	0.00179	0.108279	0.01926	0.06109	0.18755	0.013327	0.77392
0.23771	0.037824	0.4148	0.163788	0.00038	0.084148	0.06925	-0.13963	0.00249
0.01039	0.268408	3.79E-09	0.015277	0.74196	-0.02725	0.55686	0.0285	0.53898
6.41E-09	-0.23261	3.71E-07	-0.04927	0.28795	-0.05206	0.26154	-0.22228	1.23E-06
0.0007	0.211768	3.90E-06	0.189451	3.78E-05	0.062768	0.1757	0.053154	0.25163
1.40E-05	0.14182	0.00213	0.01268	0.78462	-0.12272	0.00793	0.038933	0.40124
0.57429	0.193034	2.67E-05	0.125964	0.00642	0.10065	0.02965	0.009054	0.84529
0.36529	0.238038	1.94E-07	0.090032	0.05185	0.116374	0.01185	0.037099	0.42381
0.00271	0.081068	0.0801	-0.01518	0.74353	-0.01666	0.71949	0.059669	0.19804
0.00097	0.192017	2.95E-05	0.16561	0.00033	0.012455	0.78836	-0.04185	0.36683
0.70577	0.085911	0.06359	0.072123	0.1196	0.096015	0.03807	-0.06183	0.18223
0.60584	0.004106	0.92949	0.087824	0.0579	-0.01461	0.7529	0.076415	0.09908
1.03E-08	-0.10208	0.02739	-0.03763	0.41713	0.052864	0.25423	-0.10963	0.01779
0.00777	0.233958	3.16E-07	0.099317	0.03189	0.17193	0.00019	0.116276	0.01192
0.00077	-0.12597	0.00641	-0.01644	0.72308	-0.16588	0.00032	-0.1748	0.00015
0.34252	0.036468	0.43174	0.050567	0.27548	0.05469	0.23817	0.086458	0.06192
0.00084	0.08326	0.07225	-0.05062	0.275	-0.02526	0.58607	0.028272	0.54223
6.01E-06	0.315011	3.23E-12	0.359442	1.09E-15	0.215181	2.70E-06	0.170195	0.00022
0.01102	-0.20386	8.98E-06	-0.05876	0.20497	-0.15315	0.0009	-0.05868	0.20562
0.28714	0.006595	0.88698	0.068258	0.14079	-0.0413	0.37322	-0.04125	0.37374
0.00023	-0.20275	1.01E-05	-0.12286	0.00786	-0.0409	0.37781	-0.17733	0.00012
0.00283	-0.06659	0.15077	-0.14228	0.00205	0.017208	0.71071	-0.13968	0.00248
0.27928	0.111095	0.01632	0.001398	0.97596	0.052171	0.26051	-0.03309	0.47568
0.42168	0.019861	0.66858	-0.03361	0.4687	0.004088	0.92979	-0.12014	0.00936
0.86003	0.007406	0.87318	0.117247	0.01122	-0.01433	0.75743	0.043731	0.34571
2.15E-08	0.16036	0.0005	0.056124	0.22607	-0.01188	0.79795	0.149818	0.00117
0.46853	0.081241	0.07946	0.095102	0.03995	0.084303	0.06874	0.101949	0.0276
0.81116	-0.02457	0.59637	0.018687	0.68711	0.089821	0.05241	-0.02282	0.62273
0.52974	0.071898	0.12076	0.124464	0.00708	0.212877	3.46E-06	-0.01974	0.67045
6.50E-12	-0.38339	8.44E-18	0.023815	0.60771	-0.06393	0.16783	-0.17187	0.00019
2.37E-11	0.449175	1.44E-24	0.005618	0.90362	0.158039	0.00061	0.262612	8.35E-09
0.0014	-0.09166	0.04775	-0.02493	0.59099	-0.08222	0.07588	-0.01143	0.80541
0.38613	0.025912	0.57647	0.03729	0.42141	0.070281	0.12937	0.248267	5.45E-08

0.49613	-0.04045	0.38315	0.050921	0.27212	0.006717	0.88489	0.067377	0.14601
0.00358	0.238642	1.80E-07	0.04727	0.30803	0.064571	0.16359	0.131747	0.00435
0.08831	0.074207	0.10926	0.125591	0.00658	0.079998	0.08419	-0.01671	0.71867
0.00182	0.128293	0.00549	0.228899	5.74E-07	-0.10459	0.0238	0.112126	0.01534
0.09365	-0.01359	0.76957	-0.02182	0.63806	-0.03372	0.46726	0.000446	0.99233
0.0245	0.117264	0.01121	0.044558	0.33665	0.024854	0.59214	0.140128	0.0024
0.52814	0.019153	0.67973	0.010624	0.81888	0.026381	0.56958	0.005119	0.91215
0.0095	0.243218	1.03E-07	0.008379	0.85669	0.001703	0.97072	0.12578	0.0065
0.31803	0.159705	0.00053	0.070556	0.12787	0.076772	0.09751	0.026709	0.56478
2.72E-06	-0.3939	8.77E-19	-0.03905	0.39977	-0.13347	0.00386	0.040461	0.383
0.37503	0.123187	0.0077	0.115496	0.0125	0.132439	0.00414	0.017548	0.70526
2.59E-07	0.135959	0.00324	-0.15333	0.00089	-0.01172	0.80059	0.019311	0.67724
0.00802	0.259125	1.33E-08	0.100447	0.02998	0.160612	0.00049	0.050631	0.27487
0.00013	-0.07238	0.1183	0.065469	0.1578	0.010253	0.8251	-0.03531	0.44647
0.00015	-0.21358	3.21E-06	0.097498	0.03518	-0.08727	0.05951	-0.10722	0.02047
0.78264	0.08643	0.062	0.098783	0.03282	-0.00036	0.99375	-0.0798	0.08494
0.04158	0.20149	1.15E-05	0.120278	0.00928	-0.04421	0.34043	0.041419	0.37183
0.04123	0.237082	2.17E-07	0.067817	0.14339	0.125179	0.00676	-0.08782	0.0579
0.02402	0.111323	0.0161	0.238094	1.92E-07	0.019676	0.6715	0.015927	0.73138
0.00853	0.226065	7.96E-07	0.055837	0.22845	0.017764	0.70181	0.084476	0.06816
0.94513	0.004304	0.92609	0.325747	5.26E-13	0.0551	0.23466	0.014923	0.74772
0.32437	0.049096	0.28971	0.041824	0.36717	0.009686	0.83463	-0.00348	0.9402
0.00067	-0.21438	2.94E-06	-0.05194	0.26262	-0.08398	0.06979	-0.05309	0.25216
0.72502	0.169564	0.00023	0.234825	2.85E-07	0.207209	6.33E-06	0.013877	0.76487
0.33403	0.060118	0.19468	0.051905	0.26296	-0.00259	0.95546	-0.13714	0.00298
0.40094	0.176728	0.00012	0.138682	0.00267	0.027596	0.55193	-0.13553	0.00334
0.50817	0.036409	0.43248	0.018109	0.6963	0.042512	0.35933	0.047983	0.30079
0.50776	-0.04239	0.36069	0.031829	0.49261	-0.00431	0.92604	-0.14834	0.00131
0.95503	0.005885	0.89907	0.146957	0.00145	0.162759	0.00041	0.050338	0.27767
0.00753	0.09145	0.04826	-0.02688	0.56235	0.053746	0.24638	-0.09649	0.03713
0.51076	0.107225	0.02047	0.268339	3.82E-09	0.129336	0.00512	0.010702	0.81758
1.61E-12	0.304424	1.80E-11	0.146508	0.0015	0.018605	0.68841	0.04721	0.30866
0.9275	0.033683	0.46774	0.089851	0.05233	0.013429	0.77225	0.125843	0.00647
3.54E-08	0.279392	8.03E-10	0.041833	0.36706	0.073567	0.11236	0.245367	7.85E-08
0.66037	0.073862	0.11092	-0.04457	0.33652	-0.03983	0.39048	0.115945	0.01216
0.05991	0.106176	0.02174	0.023152	0.61775	-6.58E-05	0.99887	0.03472	0.45415
0.94439	0.026756	0.56411	0.095681	0.03874	0.107725	0.01989	-0.06685	0.14916
0.68414	0.073255	0.11389	0.118841	0.01016	0.075833	0.10169	-0.02003	0.66593
0.01329	0.051393	0.26771	0.178024	0.00011	-0.06134	0.18575	0.126413	0.00623
1.84E-06	-0.22552	8.47E-07	0.006551	0.88772	-0.0472	0.30873	-0.09143	0.04831
0.89787	0.029231	0.52861	0.145694	0.00159	0.031411	0.49831	-0.03711	0.42367
0.81285	0.066489	0.15141	0.015101	0.74482	0.049493	0.28582	0.088616	0.05567
0.00349	0.070617	0.12755	0.000279	0.9952	0.074266	0.10897	0.121512	0.00857
0.0837	-0.10266	0.02652	0.071003	0.12547	0.049864	0.28222	-0.00193	0.96676
0.00213	0.249772	4.50E-08	0.014839	0.74909	0.085553	0.06471	0.051955	0.2625

0.19082	-0.00357	0.93859	-0.02288	0.62189	0.005274	0.9095	-0.1066	0.02122
0.00179	-0.139	0.00261	-0.01566	0.73578	0.009058	0.84521	-0.10317	0.02577
0.0013	-0.06931	0.13475	-0.02091	0.65224	-0.05552	0.23111	-0.11439	0.01338
0.00267	0.19457	2.30E-05	0.058913	0.20379	0.14076	0.0023	0.005541	0.90494
0.98251	0.124007	0.0073	0.162629	0.00042	0.094034	0.04224	0.017354	0.70837
0.0484	0.147098	0.00143	0.210015	4.71E-06	0.241125	1.33E-07	0.081093	0.08001
3.40E-09	0.269105	3.44E-09	0.010791	0.8161	0.177628	0.00011	0.152831	0.00092
0.25026	-0.08415	0.06924	0.281734	5.72E-10	0.026933	0.56153	0.054112	0.24317
0.30588	-0.02142	0.64425	0.453007	5.20E-25	-0.00582	0.90011	0.129998	0.0049
0.27836	-0.01276	0.78328	0.021998	0.63538	0.024874	0.59184	0.092369	0.04604
0.01076	0.149223	0.00122	-0.03474	0.45389	-0.06993	0.13128	-0.02066	0.65615
6.56E-07	-0.14839	0.0013	-0.04241	0.36052	-0.01365	0.76866	-0.05351	0.24851
5.85E-06	-0.03846	0.40694	0.059246	0.20125	-0.01312	0.77742	-0.23395	3.17E-07
0.3369	0.04475	0.33457	-0.07563	0.1026	0.014574	0.75343	0.029112	0.53029
2.24E-09	-0.3245	6.52E-13	-0.08409	0.06944	-0.16291	0.00041	-0.02521	0.5868
0.07613	0.149006	0.00124	0.017336	0.70866	0.00564	0.90324	-0.00814	0.86076
1.37E-10	-0.34753	1.06E-14	-0.08316	0.07259	-0.13504	0.00346	-0.13739	0.00293
0.00236	0.149515	0.00119	0.049888	0.28198	0.099404	0.03174	0.134184	0.00367
0.78922	0.039278	0.39708	0.098027	0.03419	0.027644	0.55123	-0.0473	0.3077
0.01517	0.200782	1.23E-05	0.054956	0.23589	0.147526	0.00139	0.106033	0.02192
0.09544	0.089698	0.05273	0.077484	0.09443	0.063029	0.1739	0.085268	0.06561
0.09052	0.078684	0.08942	0.008177	0.86012	-0.01232	0.79052	-0.00536	0.90807
0.96592	0.049907	0.2818	0.014675	0.75178	0.016839	0.71665	-0.03854	0.40597
0.01465	-0.07798	0.09235	-0.01441	0.7561	-0.011	0.81264	-0.03177	0.4934
0.88334	0.003656	0.93719	-0.00687	0.88237	-0.03203	0.48992	-0.01376	0.76685
0.04978	0.083491	0.07146	-0.01509	0.74507	-0.02956	0.52405	0.034209	0.46081
0.37203	0.117545	0.01102	0.019778	0.66988	0.083428	0.07167	0.11407	0.01364
0.68579	0.003075	0.94717	0.020832	0.65342	-0.02264	0.62554	-0.04621	0.31906
0.55346	0.034107	0.46216	0.044134	0.34127	0.050775	0.27351	-0.01522	0.7429
0.24493	0.009069	0.84503	-0.00408	0.92988	0.001341	0.97695	0.028237	0.54272
0.00372	0.090499	0.05065	-0.01407	0.76166	-0.0233	0.61555	0.014137	0.7606
0.63463	0.022121	0.63349	-0.02043	0.6597	-0.01725	0.70996	0.025783	0.57837
3.02E-05	0.236618	2.30E-07	0.026367	0.56978	-0.01561	0.73656	-0.02419	0.60213
0.41608	0.090131	0.0516	-0.0388	0.40282	0.139269	0.00256	-0.10125	0.02869
0.00112	0.0963	0.0375	0.148754	0.00126	0.022882	0.62185	0.122367	0.00812
0.89879	0.004586	0.92127	0.030286	0.51384	0.074133	0.10961	-0.1058	0.02222
0.27178	-0.06302	0.17394	0.038979	0.40068	0.02479	0.59309	0.035351	0.44598
0.35305	0.105372	0.02277	-0.00534	0.90829	0.198936	1.49E-05	0.032662	0.48135
0.00024	0.090965	0.04946	-0.05999	0.19562	-0.03813	0.41105	0.076104	0.10046
0.06883	0.175479	0.00014	0.024569	0.59639	0.042022	0.3649	0.068	0.14231
0.00034	0.263952	6.96E-09	0.143426	0.00189	0.084526	0.068	0.138723	0.00266
0.01683	0.213239	3.33E-06	0.021507	0.64294	0.075863	0.10155	0.02923	0.52862
0.01291	0.210636	4.41E-06	0.099646	0.03132	0.108973	0.01849	0.027323	0.55587
0.04258	-0.0075	0.87158	0.07226	0.1189	0.021849	0.63767	-0.01549	0.7385
0.00093	-0.10373	0.02499	0.054555	0.23933	0.018909	0.68359	0.032487	0.4837

0.00643	0.030362	0.51278	0.085369	0.06529	0.093165	0.04419	-0.00058	0.98999
0.06597	-0.07111	0.12491	0.101424	0.02841	-0.05213	0.26089	-0.11837	0.01046
0.89319	0.025573	0.58147	0.007416	0.87301	-0.00132	0.97738	0.140058	0.00242
0.50171	0.100669	0.02962	0.049112	0.28955	0.052949	0.25346	-0.02676	0.56401
8.26E-08	0.234212	3.07E-07	0.127221	0.0059	0.050569	0.27546	0.182328	7.41E-05
0.00729	0.231517	4.22E-07	-0.12716	0.00593	0.120169	0.00934	-0.05931	0.20079
0.54097	0.091462	0.04823	0.045624	0.32521	0.085219	0.06577	0.035477	0.44436
0.0004	-0.25709	1.74E-08	-0.0471	0.30974	-0.08332	0.07203	-0.00974	0.83372
0.69533	-0.036	0.4377	-0.09703	0.03607	-0.10989	0.01752	-0.07431	0.10877
0.03045	0.220836	1.44E-06	0.07952	0.08606	0.171924	0.00019	0.086579	0.06155
0.87352	0.052058	0.26155	0.144019	0.00181	0.082195	0.07598	0.063549	0.17037
0.00048	0.229615	5.28E-07	0.035066	0.44966	0.013434	0.77216	0.144907	0.00169
0.01796	-0.18497	5.79E-05	-0.04425	0.34003	-0.04065	0.38076	-0.11076	0.01665
0.00463	0.145778	0.00158	0.002233	0.96161	0.0499	0.28187	0.072256	0.11892
0.05005	0.250869	3.91E-08	0.066138	0.15359	0.046186	0.31927	0.122742	0.00792
2.38E-09	0.461141	5.75E-26	0.182384	7.37E-05	0.078444	0.09041	0.167014	0.00029
0.14034	0.052166	0.26057	0.167003	0.00029	0.056741	0.22099	0.071617	0.12223
1.88E-05	0.096501	0.0371	0.016587	0.7207	-0.03774	0.41586	0.223704	1.04E-06
1.30E-14	-0.36881	1.71E-16	0.039667	0.39241	-0.09853	0.03328	-0.08642	0.06203
0.00665	0.377334	3.00E-17	0.146024	0.00156	0.147475	0.00139	0.09803	0.03419
0.45881	-0.03171	0.49429	0.017623	0.70406	0.010407	0.82252	-0.01632	0.7251
1.62E-06	-0.23716	2.15E-07	-0.02476	0.59351	-0.0402	0.38604	0.028699	0.53615
1.24E-08	0.272858	2.04E-09	0.041809	0.36734	0.068945	0.13683	0.226401	7.66E-07
5.58E-06	0.305243	1.58E-11	0.015915	0.73159	0.007564	0.8705	-0.01512	0.74448
1.11E-07	0.324208	6.85E-13	0.056153	0.22582	0.077664	0.09366	0.114524	0.01327
0.18066	0.11053	0.01687	0.325562	5.43E-13	0.157065	0.00066	-0.01064	0.81857
0.07871	0.193914	2.45E-05	0.02383	0.60749	0.012827	0.78219	-0.00616	0.89437
0.06784	0.262385	8.61E-09	0.036313	0.4337	0.134213	0.00366	0.013023	0.77895
0.80587	0.071627	0.12217	0.094763	0.04066	0.06804	0.14207	0.011255	0.80833
2.08E-12	-0.42163	1.49E-21	0.08924	0.05396	-0.10825	0.01928	-0.17397	0.00016
0.0092	-0.0602	0.19406	0.015565	0.73727	-0.0018	0.96912	-0.21464	2.86E-06
9.15E-06	0.352766	3.94E-15	0.246544	6.77E-08	0.075977	0.10104	0.010963	0.81321
0.14725	0.12607	0.00637	0.056041	0.22676	0.067532	0.14508	0.134819	0.00351
0.88455	0.040371	0.38406	0.04209	0.36412	0.029937	0.5187	0.022226	0.63188
0.56494	-0.05128	0.26873	0.0561	0.22627	0.029864	0.51972	0.097312	0.03553
0.00336	-0.15758	0.00063	0.086866	0.06069	-0.01484	0.74905	0.064477	0.1642
0.2633	0.138449	0.00271	0.058437	0.20748	0.047446	0.30624	0.120406	0.0092
0.00231	0.075145	0.10484	-0.01067	0.81816	-0.0105	0.82104	0.006561	0.88754
0.08978	0.117864	0.0108	0.082516	0.07484	0.172547	0.00018	0.123133	0.00772
6.08E-07	0.130483	0.00474	0.149108	0.00123	0.06012	0.19466	0.133317	0.0039
0.00092	0.088119	0.05706	0.314582	3.47E-12	0.041252	0.37376	0.025964	0.5757
8.04E-05	0.081269	0.07936	-0.08831	0.05653	-0.0367	0.42883	0.104362	0.02411
0.00052	0.15218	0.00097	0.072475	0.11781	0.013119	0.77737	0.2446	8.64E-08
0.20689	-0.0234	0.61399	0.012542	0.78691	-0.01262	0.78563	0.027405	0.55469
0.052	-0.03167	0.49483	-0.13138	0.00446	-0.12082	0.00896	0.127706	0.00572

0.28166	0.062976	0.17426	0.03487	0.4522	0.00611	0.89523	0.010172	0.82646
0.01068	0.108853	0.01862	-0.0228	0.62305	-0.0876	0.05855	0.055552	0.23084
0.00989	-0.18625	5.13E-05	0.003104	0.94665	0.012848	0.78184	-0.07125	0.12417
5.27E-07	0.222886	1.14E-06	-0.07502	0.10541	-0.02056	0.65758	0.029709	0.52189
1.76E-10	0.443219	6.82E-24	0.008291	0.85817	0.135198	0.00342	0.007181	0.87701
1.82E-06	0.317754	2.05E-12	-0.01553	0.73779	0.116004	0.01212	-0.03828	0.40918
0.69825	0.064511	0.16398	0.004592	0.92117	0.005949	0.89798	-0.00319	0.94518
0.22711	0.087917	0.05763	0.048287	0.29774	0.075588	0.1028	-0.0031	0.94674
0.2888	-0.014	0.76288	-0.02821	0.54306	0.007834	0.86592	0.136259	0.00317
0.8336	-0.02299	0.62027	-0.04133	0.37286	0.010982	0.81289	0.088008	0.05737
0.59526	0.012976	0.77972	0.280228	7.12E-10	0.017464	0.70661	-0.07808	0.0919
0.00578	0.253837	2.67E-08	0.026773	0.56386	0.029771	0.52102	0.210295	4.57E-06
0.25311	0.159108	0.00056	0.007468	0.87212	0.098784	0.03282	-0.01644	0.72305
0.97137	-0.0398	0.39088	0.027721	0.55012	0.000553	0.99049	-0.08656	0.0616
6.34E-05	0.226401	7.66E-07	0.126401	0.00623	0.039346	0.39626	0.034012	0.4634
0.77033	0.073095	0.11469	0.007401	0.87326	-0.05385	0.24549	0.071247	0.12417
0.14061	-0.02952	0.52452	-0.00751	0.87138	-0.06341	0.1713	-0.05538	0.23229
0.47086	0.027405	0.55469	0.024905	0.59138	0.014022	0.76249	0.04719	0.30886
3.35E-05	0.29267	1.12E-10	0.041134	0.37513	0.156236	0.0007	0.073434	0.11301
0.00178	-0.27097	2.65E-09	-0.08174	0.07761	-0.1984	1.57E-05	-0.20797	5.84E-06
0.95737	-0.04646	0.31638	-0.09945	0.03165	-0.03506	0.44972	-0.12804	0.00559
0.09556	-0.0385	0.4065	0.069431	0.13408	0.102464	0.02682	-0.11783	0.01082
0.44747	0.025973	0.57557	0.030683	0.50833	0.000229	0.99606	0.03767	0.4167
2.45E-05	-0.2894	1.84E-10	-0.06396	0.16763	-0.14577	0.00159	-0.09072	0.05008
0.07464	0.316667	2.45E-12	0.082212	0.07592	0.08175	0.07759	-0.04486	0.33338
0.17248	0.184353	6.13E-05	0.047494	0.30575	0.105782	0.02224	0.004339	0.92549
0.63597	0.10028	0.03026	-0.00554	0.90491	0.057113	0.21798	-0.02852	0.53874
4.99E-06	0.180205	9.01E-05	0.009956	0.83009	0.082957	0.07329	0.096081	0.03793
6.88E-07	0.367575	2.19E-16	0.169602	0.00023	0.129668	0.00501	0.244665	8.57E-08
0.16629	-0.00618	0.89397	-0.10215	0.02729	-0.11284	0.0147	0.053757	0.24628
0.11826	-0.12096	0.00888	0.089461	0.05337	-0.01003	0.82888	-0.03376	0.46668
0.00054	-0.29788	5.04E-11	-0.02133	0.64568	-0.0833	0.07209	-0.05404	0.24379
0.01628	0.130462	0.00475	-0.00073	0.98751	0.048684	0.29377	-0.02598	0.57549
0.04442	0.132531	0.00412	0.066401	0.15195	0.071965	0.12042	0.149071	0.00123
0.66933	-0.00328	0.9436	0.031877	0.49196	-0.07794	0.09251	0.00077	0.98675
0.34059	-0.07458	0.10748	0.017657	0.70352	0.041435	0.37164	-0.0123	0.79091
0.69068	0.005284	0.90933	0.023974	0.60531	0.012607	0.78584	0.005128	0.912
0.08953	0.102104	0.02736	0.084044	0.06959	0.058878	0.20406	0.064696	0.16277
0.02824	0.036886	0.42648	0.195081	2.18E-05	-0.02165	0.64079	0.088759	0.05527
0.05728	-0.1286	0.00538	-0.08699	0.06032	-0.08639	0.06214	-0.0332	0.47422
0.4523	0.028958	0.53247	0.302531	2.43E-11	0.108572	0.01893	0.167521	0.00028
0.47319	0.041195	0.37442	0.034899	0.45182	0.001222	0.97899	0.01458	0.75333
0.28361	-0.03154	0.4965	0.009291	0.84128	-0.01889	0.68392	0.056683	0.22147
0.70735	0.062125	0.18017	0.053493	0.24862	0.14852	0.00129	0.04695	0.31133
0.22979	0.077649	0.09373	-0.03884	0.40237	-0.03987	0.39004	-0.06592	0.15497

1.95E-06	0.307067	1.18E-11	0.097002	0.03612	0.19985	1.35E-05	0.188834	4.01E-05
0.3331	0.149318	0.00121	0.124654	0.00699	0.15435	0.00082	-0.1239	0.00735
1.35E-10	0.319776	1.46E-12	0.042891	0.35505	0.03597	0.43805	0.009733	0.83384
0.0001	-0.23206	3.96E-07	0.071924	0.12063	-0.25398	2.62E-08	-0.06007	0.19502
0.70875	0.107754	0.01985	0.029833	0.52014	0.04058	0.3816	-0.15185	0.001
0.00039	0.247966	5.66E-08	0.030204	0.51498	0.309779	7.62E-12	-0.10131	0.02859
0.99691	-0.0525	0.25756	0.006754	0.88427	-0.06293	0.17456	0.011415	0.80566
9.88E-06	0.379718	1.83E-17	0.293674	9.63E-11	0.125071	0.00681	-0.01241	0.78915
2.12E-11	-0.37288	7.50E-17	-0.03456	0.45626	-0.02562	0.58081	-0.00404	0.93065
3.93E-05	0.189077	3.92E-05	0.109374	0.01806	0.0373	0.4213	0.104586	0.02381
0.00434	-0.06152	0.18448	0.127344	0.00586	0.075768	0.10198	-0.10941	0.01802
4.40E-05	-0.2568	1.81E-08	-0.14447	0.00175	-0.08282	0.07379	-0.29977	3.76E-11
0.40681	0.107879	0.01971	0.051583	0.26594	0.167811	0.00027	-0.08567	0.06435
0.0628	0.19724	1.76E-05	0.192039	2.94E-05	0.098702	0.03297	0.097692	0.03481
0.87444	0.01969	0.67128	0.245693	7.54E-08	0.028379	0.54069	-0.0518	0.26397
8.94E-05	-0.12283	0.00788	0.035991	0.43778	0.015518	0.73803	-0.08674	0.06108
0.00035	-0.10702	0.02071	0.048213	0.29847	-0.0663	0.15261	-0.11164	0.01579
0.59738	0.044059	0.3421	0.304877	1.68E-11	0.083801	0.07041	0.034233	0.46051
0.00022	-0.13519	0.00342	-0.17481	0.00015	-0.01703	0.71363	-0.14542	0.00163
0.98031	-0.09951	0.03155	0.004267	0.92673	-0.07993	0.08447	-0.17198	0.00019
0.26789	0.000346	0.99404	0.085927	0.06355	0.043439	0.34894	-0.02665	0.56558
0.31323	0.21491	2.78E-06	0.272031	2.29E-09	0.267348	4.38E-09	0.006214	0.89347
0.00362	0.179238	9.84E-05	0.055747	0.2292	0.056886	0.21982	0.090961	0.04947
0.79207	-0.05791	0.21161	0.048516	0.29545	-0.00323	0.94442	-0.21078	4.34E-06
0.00044	0.311061	6.18E-12	0.097706	0.03479	-0.00024	0.99591	0.094249	0.04177
0.07675	0.001174	0.97981	0.02474	0.59384	-0.00336	0.94223	0.039519	0.39418
0.01983	0.142224	0.00206	0.103496	0.02531	0.054598	0.23896	0.085251	0.06566
0.10743	0.13079	0.00464	0.09066	0.05024	0.016996	0.71412	-0.00591	0.89868
0.00664	-0.13319	0.00393	0.007046	0.87929	-0.072	0.12026	0.000666	0.98854
0.77923	0.092599	0.0455	0.10336	0.02551	0.086326	0.06232	-0.13778	0.00285
0.06487	0.094341	0.04157	-0.00865	0.85209	0.049555	0.28522	-0.22896	5.70E-07
0.67609	0.071126	0.12481	0.062724	0.176	0.098206	0.03386	0.069109	0.1359
0.04549	-0.18615	5.18E-05	-0.04502	0.33164	-0.06813	0.14156	-0.00475	0.91841
0.35569	0.093701	0.04298	-0.01948	0.67452	0.052124	0.26095	-0.12984	0.00495
0.04799	0.148459	0.00129	-0.03146	0.49758	-0.01739	0.70784	0.180054	9.13E-05
0.08795	0.219381	1.70E-06	0.072756	0.11638	0.096879	0.03636	-0.05633	0.22434
0.44412	0.104685	0.02367	0.077632	0.0938	0.015844	0.73273	-0.0855	0.06489
1.53E-07	-0.32077	1.23E-12	0.004744	0.91856	-0.09003	0.05186	-0.08512	0.06608
0.37255	-0.03061	0.50929	0.020734	0.65494	0.011605	0.80248	0.006105	0.89532
0.08296	0.106781	0.021	0.050879	0.27253	0.02463	0.59548	0.110191	0.01721
0.08139	0.142085	0.00208	0.030026	0.51745	0.102233	0.02716	-0.13418	0.00367
0.19398	0.102565	0.02667	-0.05716	0.21756	-0.03061	0.50927	0.024498	0.59745
0.08646	0.109227	0.01822	0.04942	0.28653	0.133778	0.00378	-0.00958	0.8365
0.06117	0.013263	0.77499	-0.04707	0.31005	-0.03168	0.49459	-0.02351	0.61237
0.07767	-0.03981	0.39068	0.111561	0.01587	0.080507	0.08222	-0.08362	0.07103



0.2912	0.12194	0.00834	0.003476	0.94028	0.11039	0.01701	0.160011	0.00052
0.01531	0.047171	0.30906	-0.07463	0.10723	-0.0547	0.23807	-0.0348	0.45315
0.04674	-0.14472	0.00172	-0.01277	0.78314	-0.12399	0.0073	0.000963	0.98344
0.34569	-0.01274	0.78369	0.030946	0.5047	0.045556	0.32593	-0.13599	0.00323
0.34507	0.135666	0.00331	0.109558	0.01787	0.053924	0.24482	-0.07043	0.12853
0.46776	-0.04145	0.37149	0.066036	0.15422	-0.11629	0.01191	0.094501	0.04122
0.96394	0.149657	0.00118	0.039258	0.39732	0.122598	0.008	-0.02435	0.59969
0.53839	0.022564	0.6267	0.010504	0.8209	-0.001	0.98278	-0.05353	0.2483
0.00165	0.23596	2.49E-07	0.110924	0.01648	0.134845	0.00351	0.099303	0.03191
0.9278	0.027971	0.54654	-0.0609	0.18895	-0.0272	0.5577	0.024246	0.60123
0.00284	0.158109	0.00061	0.1258	0.00649	0.27217	2.24E-09	0.028556	0.53818
0.70202	0.088302	0.05654	0.206061	7.14E-06	0.047782	0.30283	0.067267	0.14667
0.02429	0.07689	0.09699	0.037946	0.41329	0.026507	0.56774	0.054973	0.23574
0.44799	0.055391	0.2322	0.05145	0.26717	-0.08345	0.0716	-0.124	0.0073
0.00325	0.159164	0.00056	0.093151	0.04422	0.135153	0.00343	0.070266	0.12945
0.74253	0.028019	0.54585	0.033654	0.46813	0.055016	0.23537	0.074749	0.10668
0.00211	0.198568	1.54E-05	0.063464	0.17094	0.016522	0.72176	0.026647	0.56569
0.09865	0.010453	0.82176	0.040635	0.38095	0.045005	0.33182	8.93E-05	0.99846
0.10812	-0.06569	0.1564	0.000766	0.98682	-0.14128	0.00221	-0.00667	0.88576
0.67671	0.101765	0.02788	-0.14869	0.00127	0.030892	0.50544	-0.23902	1.72E-07
0.02615	0.144641	0.00173	0.066252	0.15288	0.072192	0.11925	-0.07449	0.1079
0.35096	0.153313	0.00089	0.045207	0.32966	0.096619	0.03687	0.002984	0.94871
0.14975	0.039752	0.39139	0.080329	0.0829	0.084204	0.06906	0.089099	0.05434
0.59027	0.008492	0.85478	0.005684	0.90251	-0.00785	0.86562	-0.04493	0.33263
0.90877	-0.02232	0.63041	0.00435	0.9253	-0.00258	0.95568	0.011555	0.80332
0.11868	0.020168	0.66377	0.024123	0.60307	0.072882	0.11575	0.06762	0.14456
0.47124	0.142935	0.00196	0.322348	9.42E-13	0.012595	0.78604	-0.00264	0.95469
0.78363	-0.14298	0.00195	-0.0943	0.04167	-0.09735	0.03546	-0.07846	0.09033
0.73382	-0.01469	0.75147	0.059129	0.20214	-0.00147	0.97479	-0.05507	0.23495
7.71E-06	-0.13625	0.00318	-0.09944	0.03168	-0.02899	0.53206	-0.19692	1.82E-05
0.00898	0.138767	0.00265	-0.00111	0.98099	0.050564	0.27551	-0.01505	0.74558
0.02597	0.148504	0.00129	-0.03941	0.39554	-0.03496	0.45101	0.168648	0.00025
0.60349	0.109612	0.01781	-0.03308	0.4757	-0.01224	0.792	0.10737	0.0203
8.27E-06	0.196562	1.88E-05	-0.0619	0.18178	-0.04624	0.31868	0.076516	0.09863
4.92E-11	0.355527	2.32E-15	0.019026	0.68174	0.041359	0.37252	0.283714	4.28E-10
0.02702	-0.19204	2.94E-05	-0.0569	0.21967	-0.02085	0.65311	0.006465	0.88919
3.40E-06	0.173685	0.00016	0.006684	0.88545	0.097324	0.0355	0.05549	0.23136
0.50449	0.092317	0.04616	0.039692	0.39211	-0.02796	0.54668	0.096064	0.03797
0.01079	0.154183	0.00083	0.030993	0.50405	0.00992	0.8307	0.024732	0.59396
0.11251	0.075435	0.1035	-0.16393	0.00037	-0.02586	0.5772	0.085233	0.06572
0.23791	0.203903	8.94E-06	0.084571	0.06786	0.030628	0.50909	0.182009	7.63E-05
0.00147	-0.28131	6.08E-10	-0.03485	0.45241	-0.12932	0.00513	0.055833	0.22849
1.61E-09	-0.23955	1.61E-07	-0.04046	0.38301	-0.17308	0.00017	-0.24145	1.28E-07
0.03282	0.065467	0.15781	-0.00416	0.92848	-0.0144	0.75626	0.054416	0.24053
0.03004	-0.08744	0.059	0.112201	0.01527	-0.00107	0.98166	0.127417	0.00583

0.80416	-0.02982	0.52034	0.006066	0.89598	-0.04223	0.36252	-0.01063	0.81879
0.07588	0.068898	0.1371	-0.03729	0.42146	-0.06197	0.18124	-0.06473	0.16256
0.26894	0.04782	0.30244	-0.0064	0.89033	-0.09991	0.03088	0.181227	8.20E-05
5.17E-06	0.161723	0.00045	0.006156	0.89444	0.118766	0.01021	0.146839	0.00146
0.0007	0.219387	1.70E-06	0.029261	0.52818	0.035921	0.43867	0.071899	0.12076
0.22637	-0.14318	0.00192	0.131677	0.00437	-0.02905	0.53115	-0.04193	0.36595
5.26E-05	0.283642	4.33E-10	0.184189	6.23E-05	0.041277	0.37347	0.074781	0.10654
3.51E-15	-0.37138	1.02E-16	-0.20973	4.85E-06	-0.15899	0.00056	-0.13233	0.00417
0.10799	0.098207	0.03386	0.148653	0.00127	0.096407	0.03728	-0.08411	0.06939
0.67215	-0.01574	0.73438	-0.06565	0.15662	-0.09269	0.0453	-0.18904	3.93E-05
0.03599	0.211704	3.93E-06	0.05697	0.21914	0.064391	0.16477	0.067071	0.14785
0.93291	0.062315	0.17884	0.251536	3.59E-08	0.182064	7.59E-05	0.047307	0.30766
0.10909	-0.10113	0.02888	-0.10375	0.02496	0.089453	0.05338	0.116114	0.01204
0.93947	0.126061	0.00638	0.09522	0.0397	0.041658	0.36907	0.059254	0.20119
0.19306	0.00667	0.8857	0.061465	0.18485	0.039849	0.39024	0.032147	0.4883
0.02292	-0.09729	0.03556	0.031305	0.49977	-0.00737	0.87381	0.020967	0.65132
0.86325	0.101084	0.02895	0.081504	0.07849	0.122442	0.00808	-0.0041	0.92966
2.04E-05	0.226256	7.79E-07	0.173234	0.00017	0.092354	0.04608	0.000334	0.99426
0.01477	-0.02639	0.56943	0.020144	0.66415	-0.05607	0.22654	-0.11454	0.01326
4.57E-05	0.210953	4.26E-06	-0.01016	0.82666	0.18474	5.91E-05	0.062855	0.1751
0.99149	0.151918	0.00099	0.119662	0.00965	-0.00386	0.93368	-0.0415	0.37093
0.9825	-0.07845	0.09038	0.016349	0.72455	-0.09306	0.04442	0.04387	0.34417
0.55141	-0.03843	0.40734	-0.08446	0.06821	-0.02789	0.54773	-0.18088	8.46E-05
5.30E-06	-0.15204	0.00098	-0.09501	0.04014	-0.0265	0.56789	-0.08788	0.05774
0.00141	0.224498	9.53E-07	0.080572	0.08197	0.001912	0.96713	0.105722	0.02232
0.70697	0.060637	0.19085	0.016225	0.72655	0.000132	0.99774	-0.00874	0.8505
0.00042	0.351046	5.45E-15	0.070286	0.12934	0.285086	3.50E-10	0.009828	0.83225
0.06589	0.086188	0.06274	-0.00487	0.91648	0.176366	0.00013	0.012172	0.79305
0.02045	0.091459	0.04823	-0.04562	0.3252	-0.00143	0.97534	0.042693	0.35728
0.46297	0.090427	0.05083	-0.02496	0.59062	0.020832	0.65342	-0.01165	0.8017
4.65E-10	0.225817	8.19E-07	-0.00801	0.86286	-0.00865	0.85204	0.129296	0.00514
0.00982	0.194339	2.35E-05	0.096132	0.03783	0.185438	5.54E-05	0.044754	0.33453
3.53E-05	0.256901	1.79E-08	-0.0235	0.61251	0.043458	0.34872	0.13023	0.00482
0.24678	0.079948	0.08438	0.086712	0.06115	0.043389	0.3495	-0.01084	0.81519
0.00159	0.092998	0.04457	0.024533	0.59693	-0.0201	0.66489	0.041329	0.37286
1.33E-05	0.237859	1.98E-07	0.138921	0.00262	0.118238	0.01055	0.19643	1.91E-05
0.18213	0.055936	0.22763	0.026196	0.57229	0.056884	0.21983	0.136037	0.00322
0.10124	-0.06268	0.17633	0.017725	0.70243	0.013279	0.77472	-0.04828	0.29783
0.58544	0.056687	0.22143	-0.01405	0.76198	0.011542	0.80355	-0.06932	0.13472
0.11428	0.106149	0.02178	0.052221	0.26006	0.086296	0.06241	0.037067	0.4242
0.00015	-0.21982	1.62E-06	-0.00183	0.96849	0.057613	0.21397	-0.04808	0.29981
0.91456	0.00318	0.94535	0.017468	0.70654	-0.03293	0.4777	0.196909	1.82E-05
0.00394	0.269642	3.19E-09	0.160902	0.00048	0.002523	0.95663	0.105702	0.02234
1.24E-06	0.204996	7.98E-06	0.046107	0.32011	0.117359	0.01114	0.150789	0.00108
0.52753	-0.03639	0.43274	0.168152	0.00026	-0.0186	0.68848	-0.0746	0.1074

3.67E-08	0.335053	1.03E-13	0.035774	0.44055	0.27869	8.89E-10	0.161909	0.00044
9.73E-11	0.259568	1.25E-08	0.031358	0.49904	-0.11469	0.01313	0.114737	0.0131
0.01012	0.243912	9.41E-08	-0.06586	0.1553	0.082225	0.07588	-0.16381	0.00038
0.01683	0.188994	3.95E-05	0.095595	0.03892	0.103579	0.0252	-0.14754	0.00139
0.91638	0.004819	0.91728	0.039743	0.39151	-0.02545	0.5833	0.132977	0.00399
0.50451	-0.03336	0.47201	-0.08375	0.07059	-0.08267	0.07431	-0.02194	0.63624
0.02242	0.043217	0.35141	-0.05178	0.26409	-0.05266	0.25608	-0.02095	0.65153
0.54191	0.149064	0.00123	-0.00467	0.91985	0.03081	0.50657	0.141594	0.00216
0.00803	0.229766	5.19E-07	-0.01358	0.76976	0.063293	0.1721	0.101144	0.02885
0.96381	0.027927	0.54717	-0.06975	0.13231	-0.08327	0.0722	-0.0203	0.66175
0.29323	0.183759	6.48E-05	0.011807	0.79914	0.058762	0.20496	0.183584	6.59E-05
0.00142	0.131563	0.0044	0.039179	0.39827	0.003944	0.93226	0.081537	0.07837
1.62E-09	0.389699	2.19E-18	0.06375	0.16902	0.085556	0.0647	-0.04218	0.36308
0.17232	0.055846	0.22837	-0.00075	0.98704	0.012667	0.78484	0.010302	0.82429
0.0388	0.247027	6.37E-08	0.132831	0.00403	0.144371	0.00176	-0.00182	0.96875
0.03226	-0.09049	0.05066	-0.09488	0.04041	-0.03354	0.46958	-0.11841	0.01044
0.85321	0.09533	0.03947	0.054157	0.24278	0.226457	7.61E-07	0.13704	0.003
0.75034	0.13264	0.00409	0.084532	0.06798	0.012117	0.79397	0.012575	0.78636
0.00579	-0.07286	0.11587	0.078756	0.08913	-0.01587	0.73228	-0.0395	0.39446
0.00437	0.263871	7.04E-09	0.265518	5.63E-09	-0.00726	0.87572	-0.04953	0.28545
0.09525	0.123376	0.0076	0.003906	0.93292	-0.00835	0.85721	0.010389	0.82283
0.00014	0.278565	9.05E-10	0.05272	0.25553	0.040913	0.37771	0.024743	0.59379
0.83785	0.001622	0.97212	0.029706	0.52194	0.079525	0.08604	0.002892	0.9503
0.22964	0.066933	0.14869	-0.06076	0.18999	0.065841	0.15544	-0.18279	7.10E-05
0.13705	-0.02136	0.64524	0.076708	0.09779	-0.00416	0.9286	-0.03198	0.49051
0.2049	-0.04699	0.31093	-0.11458	0.01323	-0.07161	0.12224	-0.16336	0.00039
1.01E-07	-0.27269	2.08E-09	-0.12663	0.00614	-0.09364	0.04312	-0.17754	0.00011
4.97E-05	-0.04341	0.34925	-0.22686	7.27E-07	0.005303	0.90901	-0.23508	2.77E-07
0.15064	0.058424	0.20758	-0.09919	0.03211	-0.03105	0.50325	-0.01269	0.78439
0.39645	0.026845	0.56281	0.028733	0.53566	0.046734	0.31356	0.101801	0.02782
0.5185	0.04468	0.33532	0.056695	0.22137	0.034335	0.45917	-0.06677	0.14965
0.00528	0.112398	0.01509	-0.01156	0.80323	-0.01271	0.78409	0.055377	0.23232
0.14671	0.122544	0.00802	0.066945	0.14862	0.048323	0.29737	0.014898	0.74813
0.36843	0.069367	0.13444	0.094496	0.04123	0.067249	0.14677	0.01419	0.75972
0.03444	0.066315	0.15248	0.003762	0.93538	0.018627	0.68806	0.14034	0.00237
0.87573	-0.01048	0.8213	0.036773	0.42789	-0.00502	0.91387	0.081927	0.07695
0.00081	0.247669	5.88E-08	0.129823	0.00496	0.0931	0.04434	0.180691	8.61E-05
1.46E-07	-0.22792	6.43E-07	0.017615	0.70418	-0.04332	0.35021	0.073945	0.11052
0.49428	0.079261	0.08709	-0.00673	0.8847	0.009417	0.83917	-0.00702	0.87966
0.00032	-0.11222	0.01526	0.004493	0.92286	-0.14269	0.00199	-0.21985	1.61E-06
0.00547	0.28739	2.49E-10	0.106213	0.0217	0.096423	0.03725	0.184222	6.21E-05
0.00911	-0.10142	0.02842	0.148228	0.00132	0.224514	9.51E-07	0.002362	0.95941
0.94048	0.089993	0.05196	-0.0289	0.53336	0.040295	0.38495	0.025828	0.57771
1.13E-06	0.322045	9.91E-13	0.026727	0.56453	-0.01418	0.75989	0.024638	0.59535
0.17034	0.031103	0.50254	-0.06097	0.1884	-0.07507	0.10521	0.048354	0.29707

0.01019	0.306852	1.22E-11	0.13227	0.00419	0.305038	1.63E-11	0.045209	0.32963
0.52576	-0.03313	0.47505	-0.0117	0.80095	-0.01373	0.76732	0.02646	0.56843
0.07211	-0.07415	0.10952	-0.01264	0.78536	0.049155	0.28912	0.029898	0.51924
0.00032	0.136137	0.0032	0.103663	0.02508	0.017407	0.70752	-0.05361	0.24762
0.85586	0.113331	0.01427	0.410946	1.87E-20	0.061358	0.18562	0.002173	0.96264
0.14169	0.081928	0.07694	0.082245	0.0758	-0.06359	0.17012	-0.01742	0.70728
0.00519	-0.07493	0.10585	-0.23024	4.91E-07	0.029731	0.52158	-0.12734	0.00586
0.02278	0.232152	3.92E-07	0.051457	0.2671	0.046724	0.31366	0.008787	0.84979
1.07E-07	-0.40964	2.53E-20	-0.13097	0.00458	-0.12991	0.00493	-0.09476	0.04068
0.61611	-0.01567	0.7355	-0.05778	0.21267	-0.05393	0.24479	0.153931	0.00085
0.00034	-0.15398	0.00084	-0.06073	0.19017	-0.04386	0.34425	0.066977	0.14842
2.91E-06	-0.22312	1.11E-06	0.239452	1.63E-07	0.039439	0.39514	0.10416	0.02439
0.83575	-0.02978	0.52087	0.041652	0.36914	-0.07263	0.11704	-0.12123	0.00873
0.32541	0.07123	0.12426	0.027353	0.55544	-0.03386	0.46546	-0.00203	0.96504
2.44E-07	0.214797	2.81E-06	0.095643	0.03882	0.044927	0.33266	0.112592	0.01492
0.02491	-0.00305	0.94762	0.114758	0.01308	0.066882	0.149	-0.04497	0.3322
0.01325	-0.06264	0.17655	-0.04176	0.36788	0.016908	0.71554	-0.18168	7.86E-05
0.78637	-0.04134	0.37279	0.042454	0.35998	0.042099	0.36402	-0.02924	0.52846
2.72E-06	-0.2809	6.46E-10	-0.04585	0.32283	-0.05957	0.19879	-0.11156	0.01587
0.42411	-0.01066	0.8182	0.160226	0.00051	0.07368	0.11181	-0.12449	0.00707
0.07775	0.183076	6.91E-05	0.17204	0.00019	0.034758	0.45365	0.000931	0.98399
0.65769	0.027362	0.5553	0.018444	0.69097	-0.0078	0.8665	0.036666	0.42924
1.75E-13	-0.32668	4.48E-13	-0.02972	0.5217	-0.05826	0.20885	-0.07135	0.12364
8.14E-05	0.336196	8.38E-14	0.162679	0.00042	0.066086	0.15391	0.095776	0.03855
5.65E-06	0.203248	9.57E-06	0.013892	0.76462	-0.01662	0.72016	-0.03797	0.41299
0.02838	-0.21923	1.72E-06	-0.06143	0.18508	-0.14305	0.00194	-0.02066	0.65608
0.03449	0.010738	0.81698	-0.05652	0.22278	-0.02313	0.61809	-0.04795	0.3011
1.82E-11	0.373339	6.82E-17	0.056191	0.22551	0.031056	0.50318	0.099697	0.03124
0.03563	0.11087	0.01653	0.035535	0.44362	0.060739	0.1901	-0.12391	0.00734
0.12443	0.12616	0.00633	0.023131	0.61806	0.0573	0.21647	0.160018	0.00052
1.66E-05	0.201311	1.17E-05	0.043877	0.34409	0.089637	0.0529	0.037178	0.42281
0.00499	-0.16909	0.00024	-0.0442	0.3406	0.044574	0.33648	-0.00707	0.87893
0.96417	-0.01083	0.81549	0.059354	0.20042	-0.09411	0.04206	-0.06221	0.1796
0.121	-0.07145	0.12308	-0.10052	0.02987	-0.05965	0.19816	0.090048	0.05181
0.00293	0.139059	0.0026	0.036898	0.42631	0.045023	0.33163	0.074617	0.10731
0.01633	-0.22115	1.39E-06	-0.01766	0.7034	-0.09166	0.04774	-0.13533	0.00339
9.96E-08	-0.28388	4.18E-10	-0.02185	0.63772	-0.07482	0.10633	-0.08765	0.0584
2.56E-08	-0.28595	3.08E-10	-0.0555	0.23124	-0.03952	0.39417	-0.05131	0.26849
0.00777	0.085509	0.06485	-0.04398	0.34293	-0.00608	0.89571	0.029298	0.52766
0.96714	0.03049	0.51101	0.117704	0.01091	0.008123	0.86103	0.008944	0.84714
6.77E-08	0.332966	1.49E-13	-0.01498	0.74676	0.0885	0.05599	0.013395	0.7728
0.44263	0.046495	0.31605	-0.09782	0.03458	0.008138	0.86077	-0.24324	1.02E-07
0.77358	-0.07812	0.09174	-0.10148	0.02833	-0.10046	0.02995	-0.00555	0.90478
0.00207	0.096752	0.03661	-0.00327	0.94385	-0.02242	0.62886	0.120185	0.00933
8.91E-08	0.303042	2.24E-11	0.022862	0.62216	0.02022	0.66296	0.047574	0.30494

0.00743	0.10642	0.02144	-0.03214	0.48834	-0.08379	0.07044	-0.17292	0.00017
0.10266	-0.00352	0.93951	0.013908	0.76435	-0.00704	0.87945	-0.07646	0.09887
0.00033	-0.09676	0.0366	-0.01035	0.82343	-0.00514	0.91175	0.033449	0.47085
0.35135	0.076276	0.0997	0.03453	0.45663	0.047583	0.30485	0.163912	0.00038
0.14008	-0.0561	0.22628	0.019986	0.66663	0.084733	0.06733	0.160647	0.00049
0.07288	0.225749	8.26E-07	0.046058	0.32062	0.040392	0.38381	0.082817	0.07378
0.20197	0.026667	0.5654	0.081994	0.0767	-0.01458	0.75336	0.041414	0.37188
0.71387	0.050983	0.27154	0.051076	0.27067	0.001915	0.96709	0.003461	0.94054
0.71315	0.041444	0.37153	0.001866	0.96792	-0.02937	0.5267	-0.00572	0.90195
0.70416	0.043938	0.34342	0.042296	0.36178	-0.00256	0.95607	0.012746	0.78354
0.23584	0.077733	0.09337	0.073506	0.11266	0.046291	0.31817	0.108054	0.01951
0.49233	0.004009	0.93115	0.024957	0.5906	0.026393	0.56941	0.011086	0.81115
0.8374	0.044319	0.33925	0.039126	0.39891	0.09177	0.04747	0.035165	0.44839
0.0308	0.120173	0.00934	0.05035	0.27755	0.02555	0.5818	0.022973	0.62046
0.52936	0.043638	0.34673	0.020152	0.66402	0.000457	0.99213	0.201161	1.19E-05
0.0369	0.132888	0.00402	-0.02465	0.59511	0.038674	0.40438	0.23618	2.42E-07
0.48056	0.010166	0.82657	0.025174	0.58737	0.007997	0.86316	0.002328	0.95998
0.00192	0.190864	3.30E-05	0.056731	0.22108	0.051062	0.2708	0.268956	3.51E-09
0.00818	0.224502	9.52E-07	0.10746	0.02019	0.086975	0.06037	0.007107	0.87827
0.00089	0.133984	0.00372	0.065253	0.15918	0.025993	0.57528	0.060387	0.19269
0.05526	-0.12281	0.00789	0.011402	0.80587	-0.07298	0.11527	-0.09424	0.04179
0.09563	0.108845	0.01863	0.156326	0.0007	0.081536	0.07837	0.077465	0.09451
0.51697	-0.00368	0.93682	0.089624	0.05293	0.182087	7.57E-05	0.074769	0.10659
0.05054	-0.0713	0.12392	0.032724	0.48052	-0.02209	0.63389	-0.02613	0.57327
0.00054	0.157548	0.00063	0.020739	0.65486	0.016485	0.72236	0.085558	0.0647
0.39061	0.015848	0.73267	0.018387	0.69187	-0.0345	0.45695	0.0351	0.44922
0.09978	0.195773	2.04E-05	0.175564	0.00014	0.262752	8.19E-09	0.034628	0.45535
0.98274	-0.03952	0.39422	-0.0601	0.1948	-0.06033	0.19313	-0.04621	0.319
0.82138	0.029126	0.53009	0.048036	0.30026	0.012242	0.79189	0.000541	0.9907
0.31138	0.256089	1.99E-08	-0.05747	0.21511	0.053395	0.24949	-0.07697	0.09664
0.00817	0.151152	0.00105	0.077715	0.09345	0.031748	0.49371	0.02207	0.63428
0.16041	0.183262	6.79E-05	0.036082	0.43663	0.121476	0.00859	0.078526	0.09007
0.32774	-0.09728	0.03559	0.038817	0.40264	0.030056	0.51703	0.01663	0.72001
0.5705	0.184438	6.08E-05	0.040609	0.38127	0.110808	0.0166	0.050593	0.27524
0.0347	-0.08573	0.06415	-0.03158	0.49602	-0.03581	0.44011	0.037262	0.42177
0.00997	-0.17295	0.00017	0.063373	0.17156	-0.08274	0.07404	0.104261	0.02425
1.36E-11	0.423771	8.91E-22	0.108227	0.01931	0.164509	0.00036	0.152342	0.00096
0.9627	-0.11947	0.00976	0.01509	0.745	-0.06083	0.18943	-0.01212	0.79398
0.23188	-0.09835	0.0336	0.021513	0.64285	-0.01764	0.70372	0.010471	0.82145
0.60787	0.056655	0.2217	0.063824	0.16853	0.105729	0.02231	0.099039	0.03237
0.94517	0.005629	0.90343	0.065258	0.15914	-0.04429	0.33957	-0.02945	0.52556
0.59425	-0.01136	0.8065	-0.01958	0.67298	-0.05519	0.23391	-0.00871	0.85111
0.89779	-0.05944	0.19978	-0.06865	0.13853	0.035092	0.44933	0.0339	0.46488
0.38716	0.057145	0.21772	0.046864	0.31221	0.038313	0.40879	0.140059	0.00242
0.19109	0.276951	1.14E-09	0.024246	0.60124	0.09365	0.04309	-0.0278	0.54899

0.48145	-0.03487	0.45222	-0.00807	0.86191	-0.01353	0.77065	-0.04656	0.3154
0.6845	0.025015	0.58974	-0.00661	0.88664	-0.01488	0.74836	-0.03031	0.51347
0.438	0.060732	0.19015	0.020208	0.66314	0.022514	0.62747	0.178724	0.0001
0.04177	0.138132	0.00278	0.030245	0.51441	0.191989	2.96E-05	0.180771	8.55E-05
3.71E-14	-0.2948	8.11E-11	-0.02587	0.57706	-0.08593	0.06355	-0.25904	1.35E-08
0.10383	0.202265	1.06E-05	0.244765	8.46E-08	0.092148	0.04657	-0.06318	0.17284
3.58E-06	0.414185	8.78E-21	0.047995	0.30067	0.18287	7.04E-05	0.115677	0.01237
2.01E-07	0.346396	1.30E-14	0.122905	0.00784	0.140606	0.00232	0.136919	0.00303
0.63337	-0.04699	0.31087	0.023593	0.61106	-0.00471	0.91919	-0.05102	0.2712
0.21731	-0.0657	0.15634	0.012387	0.78948	0.015924	0.73143	0.03814	0.4109
0.06215	0.056189	0.22553	0.070762	0.12676	0.073776	0.11134	-0.00411	0.92935
0.07777	0.192154	2.91E-05	0.247871	5.73E-08	0.074419	0.10825	-0.01906	0.68118
0.00012	0.295824	6.93E-11	0.017074	0.71287	0.054198	0.24243	-0.0045	0.92272
0.00148	0.052308	0.25926	-0.08343	0.07166	-0.00208	0.96421	-0.10556	0.02252
0.3705	-0.06256	0.17715	0.033487	0.47035	-0.0849	0.06678	-0.03065	0.50876
0.11123	-0.04566	0.32483	-0.04953	0.28546	0.024542	0.59679	-0.22182	1.29E-06
0.14772	0.053498	0.24857	-0.01957	0.67311	-0.09181	0.04738	-0.05677	0.22077
0.03044	0.008504	0.85457	0.036674	0.42913	0.094813	0.04056	0.06685	0.14919
0.1434	0.037299	0.42131	-0.00422	0.92752	-0.00229	0.96059	0.032911	0.47802
0.39036	0.006236	0.89308	0.028036	0.5456	0.024991	0.59009	0.024236	0.60138
0.7504	-0.10261	0.0266	0.050256	0.27844	-0.15352	0.00087	0.022972	0.62049
5.26E-11	0.343944	2.05E-14	-0.03047	0.51121	0.074188	0.10935	0.033331	0.47241
0.00616	0.265672	5.51E-09	-0.0062	0.8937	-0.002	0.9656	0.108002	0.01957
0.57298	0.088563	0.05581	0.072726	0.11653	0.07409	0.10982	0.036627	0.42972
0.62819	0.018562	0.68909	-0.00781	0.86637	-0.05012	0.27974	0.100217	0.03036
1.87E-06	-0.14915	0.00123	-0.01201	0.79567	-0.02585	0.57731	-0.11826	0.01053
0.04664	-0.08677	0.06098	-0.0624	0.17828	-0.10777	0.01983	-0.03492	0.4515
0.03863	-0.17354	0.00016	0.151903	0.00099	-0.04991	0.28173	-0.09281	0.04501
0.0264	0.02359	0.61111	-0.11109	0.01632	-0.0382	0.41021	-0.03973	0.39166
0.5002	-0.08953	0.05318	-0.05734	0.21619	-0.07702	0.09642	0.101885	0.0277
0.00035	0.079168	0.08746	0.056078	0.22645	-0.08722	0.05966	0.137819	0.00284
3.29E-05	-0.20168	1.12E-05	0.062918	0.17466	0.02346	0.61307	-0.02984	0.52011
0.26512	-0.14537	0.00163	-0.0182	0.69487	0.000561	0.99035	-0.18579	5.36E-05
0.40498	0.059171	0.20182	-0.0211	0.64921	0.029487	0.525	-0.04677	0.3132
0.12285	-0.03364	0.46826	-0.06426	0.16566	-0.01124	0.80853	-0.09081	0.04986
0.00883	-0.10592	0.02206	-0.19742	1.73E-05	-0.04824	0.29817	-0.08925	0.05394
0.04341	-0.06696	0.1485	-0.07206	0.11994	0.006617	0.88659	0.107554	0.02008
0.03423	0.124849	0.00691	0.029388	0.52639	0.018794	0.68542	0.155831	0.00073
5.17E-08	0.186428	5.04E-05	0.094864	0.04045	-0.09499	0.04018	-0.02485	0.5922
0.52375	-0.05348	0.24871	0.061682	0.1833	0.072581	0.11726	0.052454	0.25794
0.87592	-0.00639	0.89052	0.026613	0.56619	0.000448	0.99229	0.065959	0.1547
0.17574	0.19573	2.05E-05	0.087486	0.05887	0.059675	0.198	0.005509	0.90548
0.19017	0.003694	0.93654	0.204192	8.68E-06	0.08321	0.07242	-0.0552	0.23378
1.95E-05	0.293147	1.04E-10	0.062198	0.17966	0.088043	0.05727	-0.02993	0.51875
0.69	0.108972	0.01849	0.048572	0.29489	0.058084	0.21024	-0.05574	0.22926

0.3259	0.056843	0.22017	0.041365	0.37245	0.039651	0.39261	0.054985	0.23565
0.43579	0.016524	0.72173	-0.08058	0.08194	-0.05587	0.22814	-0.09709	0.03596
0.21691	0.105292	0.02287	0.012845	0.78189	0.164541	0.00036	-0.07022	0.12969
0.06151	0.088537	0.05589	-0.01847	0.69056	-0.04935	0.2872	-0.1547	0.0008
4.05E-08	-0.25168	3.52E-08	-0.07909	0.08778	-0.01632	0.72499	-0.01411	0.76103
0.21128	0.035304	0.44659	-0.04104	0.37617	0.002102	0.96387	-0.0647	0.16273
0.00992	0.09688	0.03636	-0.00715	0.87752	-0.06062	0.19099	0.122616	0.00799
0.00016	-0.08565	0.06441	-0.05698	0.21902	-0.0363	0.43385	-0.1445	0.00174
0.15071	0.112528	0.01498	-0.05296	0.2534	0.003563	0.93879	0.081576	0.07823
2.76E-07	-0.24857	5.24E-08	0.020033	0.66588	-0.04185	0.3669	0.01529	0.74174
6.96E-09	-0.26285	8.08E-09	0.057078	0.21826	-0.01745	0.70681	-0.0121	0.79429
0.05011	0.03753	0.41844	-0.11829	0.01052	-0.06553	0.1574	-0.01242	0.78895
0.01134	0.242193	1.16E-07	0.040617	0.38117	-0.02081	0.65383	-0.02945	0.52548
0.24544	0.169188	0.00024	0.059913	0.19621	0.185075	5.73E-05	0.028622	0.53724
0.05324	-0.04133	0.37282	-0.02629	0.57095	-0.1043	0.02419	-0.00505	0.91326
0.03072	-0.07557	0.10289	-0.00211	0.96381	0.097934	0.03436	0.039735	0.39161
0.33479	0.026595	0.56645	0.022771	0.62354	0.020904	0.65229	-0.0051	0.91253
0.95418	0.176082	0.00013	0.041915	0.36612	-0.0473	0.30771	0.028734	0.53565
0.08975	-0.05992	0.19616	0.118319	0.0105	0.1034	0.02545	0.006143	0.89467
0.34855	0.086568	0.06159	0.013508	0.77094	0.052991	0.25309	-0.08523	0.06573
0.00045	0.298698	4.44E-11	0.08542	0.06513	0.063923	0.16786	0.079305	0.08692
0.3184	-0.0832	0.07244	-0.00877	0.85001	-0.03732	0.42102	-0.00271	0.9535
0.73628	0.064729	0.16256	0.027379	0.55506	0.009063	0.84514	-0.04485	0.33351
0.03002	0.274366	1.65E-09	-0.05314	0.25175	0.081784	0.07746	0.070011	0.13085
0.0011	-0.17044	0.00022	-0.00531	0.9089	-0.11764	0.01095	0.0578	0.21249
0.00039	0.286029	3.04E-10	0.06901	0.13646	0.090209	0.05139	0.079228	0.08722
0.77359	0.058303	0.20852	0.081924	0.07696	0.048648	0.29413	-0.13094	0.00459
0.80715	0.198803	1.51E-05	0.003942	0.93229	0.150473	0.00111	0.012198	0.79262
0.08842	0.107793	0.01981	0.083728	0.07065	0.001112	0.98089	-0.07024	0.12959
0.21528	0.158268	0.0006	0.024991	0.59009	0.007065	0.87898	0.034481	0.45726
0.11341	0.132681	0.00408	0.02407	0.60387	0.00846	0.85533	0.03941	0.39548
1.71E-05	0.320801	1.22E-12	0.042034	0.36476	0.098873	0.03266	0.225792	8.22E-07
0.96979	0.088342	0.05643	0.020328	0.66127	0.013871	0.76496	0.120584	0.0091
0.25255	0.200657	1.25E-05	0.073725	0.11159	0.066333	0.15237	0.052286	0.25946
0.29232	0.028522	0.53866	0.040603	0.38133	0.054956	0.23589	0.143328	0.0019
0.96667	-0.00708	0.87867	-0.02827	0.54225	-0.04031	0.38477	0.150956	0.00107
0.95047	-0.01576	0.73402	0.015339	0.74094	0.003888	0.93323	0.097704	0.03479
5.02E-09	0.355293	2.43E-15	0.294335	8.71E-11	0.063091	0.17348	0.191822	3.01E-05
0.00019	0.236839	2.24E-07	-0.00315	0.94596	0.206531	6.80E-06	0.045865	0.32265
0.63979	0.22951	5.34E-07	0.134155	0.00368	0.035463	0.44454	0.085681	0.06431
1.09E-05	-0.16231	0.00043	-0.05022	0.2788	0.00041	0.99295	-0.15356	0.00087
9.18E-16	0.418935	2.85E-21	0.087864	0.05778	0.206368	6.92E-06	0.224067	1.00E-06
5.68E-09	0.162599	0.00042	0.189525	3.75E-05	-0.03659	0.43019	-0.05354	0.24816
0.39164	0.067772	0.14365	0.001272	0.97813	-0.04895	0.29113	0.037038	0.42456
0.1965	-0.1078	0.0198	-0.07932	0.08685	-0.12415	0.00723	-0.01485	0.74892

0.04685	0.136181	0.00319	0.02959	0.52356	0.023301	0.61549	-0.04533	0.32833
0.96569	-0.07085	0.12627	-0.05027	0.27832	-0.0035	0.93993	-0.06238	0.17838
0.00065	-0.1337	0.0038	-0.10451	0.0239	-0.06655	0.15103	-0.19019	3.52E-05
0.23109	0.137879	0.00283	-0.00511	0.91238	-0.02298	0.62041	-0.05092	0.27209
0.41572	0.011375	0.80633	0.096045	0.03801	0.100367	0.03011	0.069262	0.13503
0.75957	0.058724	0.20525	0.07897	0.08826	0.082003	0.07667	0.048089	0.29973
1.74E-05	0.383064	9.04E-18	0.045972	0.32153	0.040452	0.3831	0.053151	0.25165
0.00044	0.135875	0.00326	-0.05483	0.23699	-0.07027	0.12941	0.045775	0.32361
0.07279	-0.00608	0.89577	0.030736	0.5076	0.087511	0.0588	0.11496	0.01292
0.28694	-0.10615	0.02177	-0.09379	0.04278	-0.14596	0.00156	-0.09548	0.03915
0.00021	0.252289	3.26E-08	0.029158	0.52965	0.035084	0.44943	-0.00193	0.96683
0.084	0.266285	5.07E-09	-0.02391	0.60627	0.047892	0.30171	-0.12011	0.00937
0.14813	0.154355	0.00082	-0.02943	0.52578	-0.0404	0.38374	-0.21582	2.51E-06
3.75E-05	-0.11444	0.01334	-0.04732	0.3075	-0.02004	0.66581	-0.04113	0.37518
0.30601	0.061458	0.1849	0.009421	0.8391	-0.0658	0.15571	-0.03266	0.48134
2.23E-07	0.381181	1.34E-17	0.212033	3.79E-06	0.275174	1.47E-09	0.089937	0.0521
0.00491	0.227185	7.00E-07	0.052297	0.25937	0.073066	0.11483	-0.11489	0.01298
0.00017	-0.2445	8.75E-08	-0.07388	0.11082	-0.16053	0.0005	0.026268	0.57124
0.00325	0.24447	8.78E-08	-0.03788	0.41408	0.14396	0.00182	-0.12862	0.00537
0.02744	0.112787	0.01474	0.076937	0.09679	0.044644	0.33572	0.060217	0.19394
1.17E-09	0.182292	7.43E-05	-0.07028	0.1294	-0.04515	0.33025	-0.02996	0.5184
0.12482	-0.17462	0.00015	0.132234	0.0042	0.017053	0.71321	0.024453	0.59813
4.75E-07	0.333593	1.33E-13	0.355686	2.25E-15	0.102583	0.02664	0.091288	0.04866
0.53348	-0.01042	0.82231	-0.02803	0.54575	-0.05052	0.27588	-0.13569	0.0033
2.56E-05	0.211856	3.87E-06	0.283936	4.14E-10	0.027378	0.55508	0.087222	0.05964
0.02242	0.333305	1.40E-13	0.098229	0.03382	0.015154	0.74395	-0.0686	0.13879
0.39804	0.052835	0.25449	0.312012	5.29E-12	0.04629	0.31819	0.023061	0.61913
0.6753	0.069343	0.13458	0.047516	0.30553	0.169955	0.00022	0.122457	0.00807
0.01105	0.257793	1.59E-08	0.100249	0.03031	0.090503	0.05063	0.013454	0.77183
0.36455	0.067634	0.14447	0.045196	0.32977	0.078827	0.08884	0.013865	0.76507
0.09933	0.067308	0.14642	-0.0053	0.90907	-0.01989	0.66816	0.052939	0.25356
0.00671	0.148673	0.00127	0.156164	0.00071	0.197514	1.71E-05	0.053736	0.24647
0.01155	0.121925	0.00835	0.0528	0.25481	0.06349	0.17077	0.145283	0.00164
0.00477	0.138012	0.0028	0.012394	0.78937	-0.01944	0.67522	0.036473	0.43167
2.87E-05	0.31227	5.07E-12	0.210712	4.37E-06	0.043672	0.34636	0.004578	0.9214
0.00521	0.25942	1.28E-08	-0.00206	0.96455	0.222539	1.19E-06	0.017438	0.70702
0.00763	-0.10291	0.02617	0.006519	0.88826	-0.10597	0.02201	-0.03551	0.44388
0.38618	0.053477	0.24876	0.053837	0.24558	0.048599	0.29462	0.170684	0.00021
4.74E-08	0.177606	0.00011	0.079908	0.08453	0.060283	0.19346	0.139716	0.00248
0.81869	0.140664	0.00231	0.062315	0.17884	0.072485	0.11775	0.109423	0.01801
0.06579	0.265968	5.29E-09	0.083968	0.06985	0.175425	0.00014	-0.04719	0.30882
0.00239	0.239199	1.68E-07	-0.01789	0.6998	-0.05049	0.27623	-0.10246	0.02682
0.07489	0.102584	0.02664	0.061945	0.18144	-0.00622	0.89343	-0.12298	0.0078
2.51E-05	0.2614	9.82E-09	0.105146	0.02306	0.185562	5.47E-05	0.096836	0.03644
0.03646	0.039682	0.39223	-0.01537	0.74047	0.040511	0.38241	-0.26888	3.55E-09



5.68E-06	0.225989	8.03E-07	0.064126	0.16651	0.048289	0.29772	0.02196	0.63596
7.54E-12	0.313416	4.20E-12	0.073637	0.11201	0.043697	0.34608	0.025346	0.58482
9.39E-07	0.185312	5.61E-05	-0.02466	0.59504	0.036579	0.43033	-0.03964	0.39269
0.01888	-0.15099	0.00106	-0.02533	0.58502	0.005279	0.90942	-0.05522	0.23361
0.00057	0.217497	2.09E-06	0.024624	0.59558	0.032476	0.48385	0.08943	0.05345
3.62E-05	-0.26886	3.56E-09	-0.0515	0.26673	-0.11786	0.0108	-0.20025	1.30E-05
1.05E-06	0.318411	1.83E-12	0.098674	0.03302	0.053449	0.249	-0.01983	0.66905
4.63E-06	0.384193	7.12E-18	0.129052	0.00522	0.031822	0.4927	0.040279	0.38514
0.00426	0.11291	0.01464	-0.02291	0.62137	0.058217	0.2092	-0.01206	0.79489
0.81128	0.037925	0.41354	-0.09176	0.0475	0.063624	0.16987	0.003748	0.93562
0.72756	0.027924	0.54721	-0.07988	0.08463	0.079163	0.08748	-0.09173	0.04758
5.37E-06	-0.09321	0.0441	0.091419	0.04833	0.05759	0.21415	0.038337	0.40849
0.44444	0.155899	0.00072	0.089928	0.05213	0.121068	0.00882	-0.06856	0.13902
0.04783	0.271007	2.64E-09	-0.0821	0.07633	0.084108	0.06938	-0.1699	0.00023
0.00037	0.235161	2.74E-07	0.27902	8.47E-10	0.128041	0.00559	0.169836	0.00023
0.00017	-0.11253	0.01497	0.052278	0.25954	-0.04072	0.38001	-0.06848	0.13949
0.02388	0.01976	0.67018	0.045741	0.32396	-0.0574	0.21571	-0.06525	0.15922
0.0759	0.178042	0.00011	0.140095	0.00241	0.107876	0.01971	-0.10023	0.03033
0.07198	0.135029	0.00346	0.116641	0.01165	-0.00544	0.90674	-0.00625	0.89291
2.57E-05	0.307227	1.15E-11	0.17065	0.00021	0.131846	0.00432	0.074089	0.10983
0.59423	0.120777	0.00899	-0.02597	0.57557	0.1066	0.02122	-0.00542	0.90692
0.00676	-0.09602	0.03805	0.006101	0.89538	-0.05962	0.19839	-0.02999	0.51791
0.00151	0.11245	0.01505	0.019403	0.67578	-0.03343	0.47116	-0.03654	0.4308
0.22655	0.163836	0.00038	0.370515	1.21E-16	0.139437	0.00253	-0.08321	0.07241
0.98579	0.138912	0.00263	-0.04089	0.37801	-0.03808	0.41167	-0.203	9.81E-06
0.00166	-0.06245	0.17788	-0.08266	0.07432	0.01232	0.79059	-0.08132	0.07916
0.0246	-0.01695	0.71479	0.062823	0.17532	0.076577	0.09837	-0.01582	0.7331
0.50631	0.184746	5.91E-05	0.229914	5.10E-07	0.101276	0.02864	0.062088	0.18043
0.47486	0.05746	0.21519	0.136858	0.00304	0.064937	0.16121	0.015368	0.74047
4.27E-05	0.27092	2.67E-09	0.050136	0.2796	0.082009	0.07665	0.202614	1.02E-05
7.11E-07	0.166922	0.00029	-0.05447	0.24009	-0.02181	0.63824	0.232173	3.91E-07
0.00034	0.194944	2.21E-05	0.006858	0.88249	0.061996	0.18108	-0.01945	0.67512
0.00599	0.115115	0.0128	0.030352	0.51292	0.12564	0.00656	0.012131	0.79374
1.35E-07	0.292751	1.11E-10	0.153932	0.00085	0.136498	0.00312	0.035813	0.44005
9.76E-06	-0.12016	0.00935	0.01038	0.82298	0.020939	0.65175	-0.13547	0.00335
0.79236	0.011912	0.79738	0.056778	0.22069	0.015766	0.734	-0.12502	0.00683
0.00119	0.15229	0.00096	-0.10117	0.02881	0.046428	0.31675	0.183386	6.71E-05
0.00078	0.072365	0.11836	-0.00591	0.89867	0.081258	0.0794	0.137596	0.00289
8.49E-10	0.38798	3.17E-18	0.085742	0.06412	0.083166	0.07257	0.042846	0.35557
0.00067	0.174938	0.00014	0.109309	0.01813	0.089835	0.05237	0.060578	0.19128
0.00392	0.251074	3.81E-08	0.088073	0.05719	0.103306	0.02559	0.18385	6.43E-05
3.05E-06	0.425643	5.65E-22	0.098692	0.03299	0.190922	3.28E-05	0.154989	0.00078
7.62E-06	-0.21488	2.79E-06	-0.05504	0.23514	-0.07256	0.11738	-0.15735	0.00064
0.80654	0.117537	0.01102	0.021837	0.63786	0.114961	0.01292	-0.06025	0.19374
0.63184	0.044179	0.34078	0.036966	0.42547	0.034835	0.45265	-0.08077	0.08123

0.00345	-0.09256	0.04558	-0.02099	0.65089	-0.11041	0.01699	0.01105	0.81176
0.14719	0.157258	0.00065	0.08354	0.07129	0.10601	0.02195	0.015032	0.74595
0.24798	-0.03214	0.48843	-0.01629	0.72547	-0.00419	0.92811	-0.06237	0.17842
5.31E-08	0.20616	7.07E-06	0.09384	0.04267	0.09522	0.0397	0.120785	0.00898
0.00307	-0.05979	0.19713	-0.00215	0.96312	0.004146	0.9288	-0.07088	0.12615
0.03682	0.185967	5.27E-05	0.121069	0.00882	0.129213	0.00516	-0.0327	0.48078
2.13E-05	0.277901	9.95E-10	0.021654	0.64067	0.060846	0.18932	0.039156	0.39854
1.16E-05	0.268365	3.81E-09	0.065725	0.15617	0.106104	0.02183	0.085782	0.06399
0.00565	0.175711	0.00014	0.05557	0.23069	0.107348	0.02032	0.042584	0.35851
0.42872	0.183512	6.63E-05	-0.08835	0.0564	0.057064	0.21837	-0.1916	3.07E-05
0.00046	0.214585	2.88E-06	0.121974	0.00832	0.091486	0.04817	0.121576	0.00854
0.095	-0.15682	0.00067	-0.09908	0.0323	-0.05411	0.24316	0.02835	0.54111
0.91097	0.056497	0.22299	0.259471	1.27E-08	0.100911	0.02923	0.01375	0.76695
0.99227	0.057418	0.21552	0.042117	0.36382	0.036657	0.42935	0.038025	0.41232
0.02749	-0.05841	0.20772	0.000952	0.98364	0.064165	0.16626	-0.006	0.89718
0.69908	0.006379	0.89065	0.053641	0.24731	0.274167	1.69E-09	0.074956	0.10572
0.00021	0.253684	2.72E-08	-0.05682	0.22038	0.077978	0.09234	0.003752	0.93555
4.50E-09	0.280434	6.91E-10	-0.08956	0.05309	-0.04424	0.34008	0.058079	0.21028
0.69823	0.000774	0.98668	0.057483	0.21501	0.215203	2.69E-06	0.044471	0.33759
0.35082	0.186612	4.96E-05	0.11077	0.01663	0.102831	0.02627	0.019877	0.66833
0.00515	0.289392	1.84E-10	-0.04602	0.32099	-0.025	0.59002	0.068018	0.1422
0.02595	-0.11732	0.01117	0.005597	0.90398	-0.04937	0.28704	-0.14333	0.0019
2.44E-12	-0.36051	8.86E-16	-0.00455	0.92189	-0.04259	0.35841	0.007003	0.88003
1.46E-08	-0.27135	2.52E-09	0.074566	0.10755	0.062549	0.17721	-0.00282	0.95145
0.46431	0.03618	0.43538	-0.0087	0.85131	-0.05721	0.21717	-0.03131	0.49972
0.12769	-0.05436	0.24102	0.085762	0.06406	0.0363	0.43386	0.082633	0.07443
0.00626	-0.25807	1.53E-08	-0.09177	0.04749	-0.11124	0.01618	0.091707	0.04763
1.84E-05	-0.1042	0.02434	0.034031	0.46316	-0.06893	0.13692	-0.2081	5.76E-06
5.72E-07	-0.14829	0.00131	0.081632	0.07802	-0.02476	0.59356	-0.04967	0.28406
0.02517	-0.00955	0.83689	0.062497	0.17757	-0.03251	0.48342	-0.10505	0.02318
0.01312	-0.12581	0.00648	-0.00364	0.93738	-0.02882	0.53444	0.015873	0.73226
0.85902	-0.05294	0.25352	0.041539	0.37044	-0.01475	0.75059	0.16845	0.00026
1.02E-06	-0.24241	1.13E-07	-0.035	0.45046	-0.08732	0.05935	0.047817	0.30247
2.62E-08	-0.22362	1.05E-06	0.12153	0.00856	-0.10688	0.02088	-0.01694	0.71499
5.73E-06	-0.24139	1.29E-07	0.053762	0.24624	-0.0989	0.03262	-0.13296	0.004
9.72E-10	-0.32028	1.34E-12	0.085324	0.06543	0.047768	0.30297	0.153808	0.00085
1.07E-09	-0.32688	4.33E-13	0.113483	0.01414	-0.10991	0.0175	-0.09165	0.04777
2.23E-09	-0.32985	2.58E-13	-0.03943	0.3952	-0.08523	0.06572	0.043648	0.34662
0.07878	0.115694	0.01235	0.158706	0.00058	0.100599	0.02973	0.066418	0.15185
0.14913	-0.00622	0.89342	0.071484	0.12293	0.038612	0.40514	0.131066	0.00455
0.20178	-0.05959	0.19864	-0.00022	0.99629	-0.04905	0.29012	0.072311	0.11864
0.00375	-0.0966	0.0369	0.061003	0.18818	-0.00416	0.92851	0.066574	0.15089
0.0609	-0.03883	0.40252	0.143422	0.00189	-0.00867	0.85181	-0.03627	0.43418
0.00223	-0.14403	0.00181	0.099554	0.03148	-0.00954	0.83711	0.075853	0.1016
0.00042	-0.25801	1.54E-08	-0.02681	0.56336	-0.02957	0.52378	0.034329	0.45925

1.45E-06	-0.22827	6.17E-07	-0.00523	0.91031	-0.00385	0.9339	-0.0958	0.0385
3.71E-07	-0.27036	2.89E-09	-0.08175	0.07759	-0.07044	0.12852	-0.04715	0.30924
0.34694	-0.06768	0.14419	0.024318	0.60015	-0.01953	0.67376	0.026874	0.56238
0.0931	-0.09636	0.03738	-0.04811	0.29955	-0.04646	0.31644	0.043625	0.34688
2.36E-07	-0.24378	9.57E-08	-0.02666	0.56551	-0.03144	0.4979	0.018731	0.68641
0.97081	-0.05581	0.22868	0.115124	0.01279	-0.05015	0.27944	0.136568	0.0031
0.00159	-0.11485	0.01301	0.057312	0.21637	0.06862	0.1387	0.068957	0.13676
0.00043	-0.2161	2.44E-06	-0.06104	0.18791	-0.08538	0.06526	0.002402	0.95871
0.02852	-0.1417	0.00214	0.027578	0.55219	-0.0149	0.74812	0.025154	0.58767
0.00011	-0.21936	1.70E-06	-0.00284	0.95127	-0.07798	0.09235	0.006804	0.88341
4.53E-09	-0.30584	1.44E-11	-0.02158	0.64187	-0.08093	0.08064	-0.01057	0.81974
0.25725	0.039424	0.39532	0.036116	0.43619	0.003887	0.93323	0.194517	2.31E-05
8.72E-09	-0.22935	5.45E-07	-0.01742	0.70724	-0.03291	0.47808	0.10125	0.02868
0.91208	0.015168	0.74372	0.029854	0.51986	-0.00995	0.83016	0.168786	0.00025
4.65E-11	-0.36241	6.10E-16	-0.07481	0.10638	-0.09766	0.03486	-0.00798	0.86348
6.60E-08	-0.29187	1.27E-10	-0.05316	0.25156	-0.09488	0.04041	-0.03881	0.4027
0.37903	-0.07339	0.11322	-0.00412	0.92917	-0.03413	0.46187	0.047802	0.30262
0.00121	-0.16574	0.00032	-0.00731	0.87485	-0.06299	0.17419	-0.01049	0.82121
0.04029	-0.10729	0.0204	-0.03077	0.50709	-0.04205	0.36453	0.069979	0.13103
0.00022	-0.20192	1.10E-05	0.006937	0.88115	-0.05236	0.2588	0.036607	0.42997
8.74E-09	-0.29002	1.68E-10	-0.07889	0.0886	-0.08537	0.0653	-0.01816	0.69549
5.21E-05	-0.22023	1.54E-06	0.082473	0.07499	-0.04313	0.35234	0.059705	0.19777
3.29E-15	-0.3541	3.06E-15	-0.04437	0.33871	-0.09119	0.04891	-0.035	0.45046
7.89E-05	-0.19392	2.45E-05	0.408872	3.02E-20	0.006218	0.89339	-0.03347	0.47056
0.00069	-0.17897	0.0001	-0.00477	0.91809	-0.03494	0.45132	0.014154	0.76032
8.23E-07	-0.22075	1.45E-06	0.239287	1.66E-07	0.0199	0.66797	-0.08616	0.06282
0.02135	-0.13639	0.00314	-0.02499	0.59014	-0.06169	0.18325	-0.04311	0.3526
0.00017	-0.19987	1.35E-05	-0.00623	0.89317	-0.06199	0.18111	-0.04512	0.33056
0.29649	-0.1134	0.01421	-0.01759	0.70451	-0.04989	0.282	0.084959	0.0666
0.15439	0.140536	0.00233	0.106187	0.02173	0.046602	0.31494	0.105058	0.02318
0.00302	-0.12516	0.00677	0.119972	0.00946	0.122706	0.00794	0.094226	0.04182
5.34E-12	-0.33988	4.32E-14	0.055258	0.23333	-0.07092	0.1259	-0.03404	0.46306
2.15E-05	-0.15407	0.00084	0.124523	0.00705	-0.0442	0.34058	-0.12241	0.00809
0.92813	-0.02066	0.65615	0.015906	0.73172	-0.03292	0.47793	0.010709	0.81746
8.68E-11	-0.30646	1.30E-11	-0.04305	0.35327	-0.09114	0.04902	-0.08889	0.05491
0.00116	-0.18628	5.11E-05	-0.00886	0.84854	-0.0456	0.32544	0.079637	0.0856
4.63E-06	-0.26856	3.71E-09	-0.05039	0.27717	-0.103	0.02602	-0.04853	0.29534
0.72182	-0.02385	0.60713	-0.01934	0.6768	-0.02865	0.53686	0.037876	0.41416
0.57903	-0.00775	0.86733	-0.01628	0.72566	-0.04059	0.38146	0.074018	0.11017
1.59E-09	-0.30204	2.63E-11	-0.03964	0.39276	-0.061	0.18818	-0.02374	0.60885
0.01559	-0.10134	0.02854	0.393565	9.44E-19	-0.02025	0.66252	-0.0026	0.95536
0.11695	-0.09178	0.04746	-0.0206	0.65704	-0.04359	0.34721	0.103933	0.0247
0.00177	-0.15264	0.00094	0.222133	1.25E-06	-0.01136	0.80655	0.121391	0.00864
0.57475	0.025188	0.58717	0.012761	0.78328	-0.0264	0.56927	0.189504	3.76E-05
1.53E-07	-0.29808	4.89E-11	0.058983	0.20325	-0.01478	0.75012	-0.01945	0.67504

0.00481	0.093651	0.04309	-0.03273	0.48049	-0.11307	0.01449	0.0688	0.13766
0.00011	-0.25872	1.40E-08	0.072527	0.11754	-0.04924	0.28826	0.058352	0.20814
2.12E-05	-0.29901	4.23E-11	-0.02762	0.55155	-0.05835	0.20815	-0.02184	0.63775
0.12506	0.020462	0.65918	0.122735	0.00792	0.069449	0.13398	0.161743	0.00045
0.74769	0.007094	0.87849	0.032677	0.48115	0.089146	0.05421	0.010133	0.82712
0.00058	-0.20845	5.56E-06	0.180646	8.65E-05	-0.09099	0.04941	-0.06724	0.1468
6.01E-08	-0.25734	1.68E-08	0.104058	0.02453	-0.00648	0.88894	0.070935	0.12583
7.61E-05	-0.14888	0.00125	0.011325	0.80716	0.030485	0.51107	-0.01067	0.81817
0.08575	-0.13529	0.0034	-0.01571	0.73484	-0.06462	0.16329	-0.01051	0.82087
0.00026	-0.30289	2.30E-11	0.006591	0.88704	-0.07242	0.11808	0.026356	0.56994
0.00014	-0.18591	5.30E-05	0.070549	0.12791	0.054166	0.2427	0.029194	0.52913
0.05019	-0.09108	0.04917	0.061868	0.18198	0.034141	0.46172	0.087426	0.05905
0.4208	-0.07223	0.11908	0.029044	0.53126	-0.0024	0.95877	0.084499	0.06809
0.45162	-0.05632	0.22449	0.065657	0.1566	0.054832	0.23695	0.091625	0.04783
0.25334	-0.05989	0.19638	0.060007	0.19551	0.007442	0.87256	0.108812	0.01867
0.12096	-0.09646	0.03718	0.003676	0.93685	-0.06627	0.15278	-0.05324	0.25085
0.03495	-0.11911	0.00999	0.033791	0.46632	0.015328	0.74111	0.044172	0.34086
3.95E-06	-0.12054	0.00912	-0.02163	0.64098	-0.01923	0.67848	0.056321	0.22444
0.00016	-0.19154	3.09E-05	0.056364	0.22408	-0.01754	0.70541	0.126128	0.00635
0.00557	0.067645	0.14441	-0.02747	0.55377	-0.0278	0.54901	0.209078	5.20E-06
0.00575	-0.12029	0.00927	0.018587	0.6887	-0.06191	0.1817	0.037916	0.41366
6.84E-09	-0.32023	1.35E-12	0.140514	0.00234	-0.07552	0.10312	-0.05285	0.25438
6.43E-08	-0.23375	3.24E-07	0.010414	0.82241	-0.04173	0.36825	-0.01483	0.74925
8.42E-05	-0.22149	1.34E-06	-0.06281	0.17541	-0.06498	0.16096	-0.01137	0.80649
0.00055	-0.14572	0.00159	-0.00021	0.99645	-0.04148	0.37114	0.046641	0.31453
0.05593	0.057836	0.2122	0.041714	0.36842	0.002776	0.9523	0.115146	0.01278
0.00868	0.126277	0.00629	0.030749	0.50741	0.004601	0.92101	0.225421	8.57E-07
8.48E-08	-0.24598	7.27E-08	-0.00507	0.91299	-0.05251	0.25741	-0.0341	0.46229
8.85E-10	-0.3523	4.30E-15	-0.00305	0.94761	0.006786	0.88373	-0.02384	0.60728
6.39E-06	-0.21196	3.82E-06	0.086649	0.06134	-0.10566	0.0224	0.038664	0.4045
0.00603	-0.14468	0.00172	0.01668	0.7192	-0.03246	0.48414	0.017608	0.70429
0.02633	-0.18393	6.38E-05	-0.06546	0.15788	-0.08474	0.06731	-0.01225	0.79173
0.00235	-0.19591	2.01E-05	0.006259	0.89269	-0.035	0.45049	0.039452	0.39498
0.00043	-0.23436	3.01E-07	-0.01368	0.76806	-0.05466	0.23844	-0.04323	0.35128
0.36248	-0.06485	0.16177	-0.00035	0.99405	-0.0452	0.3297	-0.05333	0.25008
6.47E-11	-0.33176	1.84E-13	-0.02375	0.60865	-0.07976	0.08511	-0.07106	0.12517
6.48E-19	-0.39535	6.38E-19	-0.06385	0.16834	-0.04348	0.34848	-0.02534	0.58492
0.00548	-0.0893	0.05381	0.021927	0.63648	-0.07952	0.08606	-0.01364	0.7688
0.14275	-0.10898	0.01849	0.381243	1.33E-17	-0.02808	0.54492	0.016336	0.72476
0.43669	0.013863	0.7651	0.0055	0.90563	-0.01238	0.78957	0.168843	0.00025
0.76582	-0.07236	0.11841	-0.01191	0.79746	-0.0204	0.66007	0.07676	0.09756
0.24837	-0.09796	0.03432	-0.01789	0.69975	-0.05089	0.27242	0.072229	0.11906
0.00168	-0.1332	0.00393	0.021411	0.64444	0.040091	0.38736	0.018558	0.68915
9.48E-05	-0.19657	1.88E-05	-0.02152	0.64272	-0.05747	0.21509	0.04741	0.30661
0.17568	0.13227	0.00419	0.053307	0.25026	-0.05072	0.274	0.133233	0.00392

6.59E-05	-0.20875	5.38E-06	0.006904	0.88171	-0.04718	0.30895	0.056655	0.2217
2.45E-05	-0.20387	8.97E-06	0.005969	0.89764	-0.0729	0.11564	-0.05577	0.22903
1.87E-05	-0.16814	0.00026	-0.01981	0.66944	-0.01146	0.80498	-0.03541	0.44521
0.18802	-0.08488	0.06684	0.044525	0.337	-0.01435	0.75703	0.177425	0.00012
0.03474	-0.11524	0.0127	0.002315	0.9602	-0.02979	0.52072	0.103493	0.02532
0.00516	-0.15546	0.00075	-0.07992	0.08448	-0.11429	0.01346	-0.04023	0.3857
0.00026	-0.20892	5.29E-06	0.009965	0.82994	-0.08158	0.07821	0.031562	0.49625
0.05927	-0.12714	0.00594	0.00972	0.83407	-0.0242	0.60186	0.099685	0.03125
0.3195	-0.06561	0.15691	0.043183	0.35179	-0.01791	0.69952	0.062625	0.17668
8.79E-08	-0.31866	1.76E-12	-0.06979	0.13208	-0.07626	0.09978	0.158115	0.00061
0.78205	-0.10233	0.02702	0.026415	0.56909	-0.05603	0.22684	0.044089	0.34176
1.48E-05	-0.22477	9.24E-07	-0.03103	0.50357	-0.06363	0.16985	0.063062	0.17368
0.21437	0.043741	0.3456	0.022953	0.62078	-0.01857	0.6889	0.12456	0.00704
0.91372	-0.08716	0.05983	0.186937	4.81E-05	0.071659	0.12201	-0.03667	0.42925
0.42038	0.019486	0.67448	0.349828	6.86E-15	0.063779	0.16883	-0.00755	0.8707
0.09038	-0.10204	0.02745	-0.0277	0.5504	-0.05092	0.27218	0.007948	0.86398
0.0156	-0.18532	5.60E-05	0.001995	0.96571	-0.05474	0.2377	0.018432	0.69116
0.6477	-0.00267	0.95407	-0.0092	0.8429	-0.00387	0.93359	0.024084	0.60366
0.82692	-0.00828	0.85829	0.027515	0.5531	-0.01618	0.7273	0.108413	0.01911
0.37422	0.023674	0.60984	0.025164	0.58753	0.023654	0.61014	0.104347	0.02413
0.02323	0.115923	0.01218	0.032607	0.48209	0.017836	0.70066	0.039714	0.39185
0.00086	-0.14625	0.00153	-0.02208	0.63419	-0.00431	0.92602	-0.06604	0.15421
0.12839	-0.12307	0.00775	0.006939	0.88112	-0.01679	0.71746	0.061888	0.18184
0.78937	0.029032	0.53142	0.189375	3.81E-05	0.124238	0.00719	0.202201	1.07E-05
0.63695	-0.02509	0.58861	0.073106	0.11463	0.020294	0.66181	0.107658	0.01996
1.28E-05	-0.21297	3.43E-06	-0.04725	0.30824	-0.10999	0.01742	0.018397	0.69171
0.68943	-0.02851	0.53878	0.206433	6.87E-06	-0.05856	0.20651	0.017059	0.7131
1.17E-05	-0.2349	2.83E-07	-0.01354	0.77038	-0.00465	0.92017	0.05135	0.2681
0.00013	-0.17872	0.0001	0.073558	0.1124	0.028709	0.536	0.055335	0.23267
0.22477	0.041274	0.37351	0.227065	7.10E-07	0.031206	0.50112	0.106287	0.0216
0.0001	-0.23542	2.66E-07	0.077312	0.09517	-0.0498	0.28288	-0.0397	0.39207
1.63E-05	-0.17504	0.00014	0.077869	0.0928	0.015417	0.73968	0.066979	0.14841
0.00275	-0.101	0.02909	-0.0137	0.76778	0.033367	0.47193	-0.0908	0.04987
0.00252	-0.21066	4.40E-06	0.09736	0.03544	-0.05261	0.25653	-0.01914	0.67994
0.20812	-0.07413	0.10964	0.024271	0.60085	-0.0046	0.92102	0.054053	0.24368
4.38E-06	-0.19231	2.87E-05	0.023225	0.61664	-0.05197	0.26232	0.072368	0.11835
0.09203	0.034169	0.46134	0.173044	0.00017	-0.0248	0.59289	0.051475	0.26694
7.08E-07	-0.27466	1.58E-09	-0.01864	0.68787	-0.0577	0.21331	0.063647	0.16971
0.0466	-0.0949	0.04036	0.045261	0.32908	0.030605	0.5094	0.03915	0.39861
1.04E-08	-0.29252	1.15E-10	-0.00481	0.91745	0.001965	0.96622	0.007772	0.86697
2.55E-07	-0.26541	5.71E-09	-0.0509	0.27228	-0.07731	0.0952	-0.04915	0.28916
0.10348	-0.09726	0.03562	0.027191	0.55778	-0.02971	0.52188	0.095931	0.03824
0.02199	-0.10651	0.02133	0.095744	0.03862	-0.01473	0.75088	0.067607	0.14464
0.03488	-0.10608	0.02187	0.039657	0.39254	-0.02118	0.64805	0.035694	0.44158
4.90E-06	-0.18935	3.82E-05	0.072146	0.11948	0.021857	0.63755	-0.04539	0.32772

0.94591	-0.01611	0.72842	0.147705	0.00137	-0.00843	0.85576	0.046332	0.31774
0.72677	0.002461	0.9577	0.192989	2.68E-05	-0.00982	0.83233	0.113304	0.01429
0.00174	-0.1667	0.0003	0.263791	7.12E-09	-0.04642	0.31683	0.003526	0.93943
0.7745	0.02466	0.59504	0.084567	0.06787	0.031315	0.49963	0.152984	0.00091
8.35E-11	-0.37528	4.58E-17	-0.01214	0.79358	-0.17601	0.00013	-0.08251	0.07485
4.92E-05	-0.23779	2.00E-07	0.045574	0.32574	-0.05969	0.19787	-0.00326	0.94407
0.32535	0.006409	0.89014	0.088501	0.05599	0.009206	0.84272	0.181123	8.28E-05
0.00296	-0.16352	0.00039	-0.02779	0.54918	-0.04722	0.3086	0.063976	0.16751
0.0002	-0.17097	0.00021	0.080582	0.08194	0.004388	0.92466	0.064533	0.16383
0.00531	-0.16617	0.00031	-0.03497	0.45091	-0.06247	0.17775	-0.03202	0.49008
2.52E-10	-0.31124	6.00E-12	0.157451	0.00064	-0.00533	0.9085	0.041829	0.3671
0.00012	-0.21997	1.59E-06	0.29502	7.84E-11	-0.03989	0.38972	0.069717	0.13248
0.90014	-0.03105	0.50328	0.02234	0.63014	0.000881	0.98486	0.064709	0.16269
0.00214	-0.02533	0.58509	0.047787	0.30277	0.097741	0.03472	-0.11391	0.01378
0.00232	-0.18543	5.54E-05	0.077358	0.09497	-0.05125	0.26901	-0.05678	0.22069
3.70E-06	-0.19387	2.46E-05	0.112833	0.0147	-0.10143	0.02841	-0.01525	0.74245
8.38E-12	-0.34788	9.88E-15	0.119008	0.01005	-0.08574	0.06414	-0.02052	0.6583
0.05568	-0.1097	0.01772	0.041445	0.37153	0.029196	0.5291	0.105759	0.02227
0.63013	0.0225	0.62769	0.139588	0.0025	-0.00043	0.99253	0.086674	0.06127
0.33901	-0.08955	0.05312	0.002242	0.96146	-0.03717	0.4229	0.040339	0.38444
0.02521	-0.10634	0.02155	0.065244	0.15924	0.027357	0.55538	0.039804	0.39078
4.86E-16	-0.41129	1.73E-20	-0.03918	0.39831	-0.06352	0.17058	-0.00518	0.91103
1.14E-05	-0.22327	1.10E-06	-0.05833	0.20829	-0.07104	0.12528	0.02623	0.57179
0.19067	-0.07563	0.1026	0.553416	7.94E-39	0.04253	0.35912	0.109027	0.01843
0.87733	0.00781	0.86633	0.013191	0.77618	-0.02012	0.66454	0.10761	0.02002
1.29E-14	-0.36001	9.76E-16	-0.02871	0.53595	-0.11454	0.01326	-0.01039	0.8228
2.30E-11	-0.35422	2.98E-15	-0.01031	0.82421	-0.07537	0.10379	-0.0674	0.14585
0.79563	-0.03841	0.40763	-0.0054	0.90741	-0.02526	0.58608	0.046525	0.31573
0.31165	0.051561	0.26614	-0.00942	0.83914	-0.02938	0.52652	0.062143	0.18004
0.7045	0.037668	0.41672	0.154095	0.00083	-0.01339	0.77283	0.079654	0.08553
7.98E-05	-0.2159	2.49E-06	-0.02433	0.59991	-0.06886	0.1373	0.025375	0.58439
4.14E-05	-0.22889	5.75E-07	-0.02882	0.53442	-0.04372	0.34588	0.004981	0.91451
0.00567	-0.14549	0.00162	-0.00054	0.99067	-0.035	0.45048	0.046781	0.31308
0.10483	-0.12091	0.00891	0.053828	0.24566	-0.02163	0.64102	0.126516	0.00619
0.14495	-0.08422	0.06901	0.015678	0.73543	-0.02697	0.56096	0.043438	0.34894
0.25893	-0.06675	0.1498	0.099037	0.03238	-0.03986	0.39013	0.092376	0.04602
1.16E-08	-0.25977	1.22E-08	0.067628	0.14451	-0.04204	0.36474	-0.03812	0.4111
0.00209	-0.16089	0.00048	-0.04132	0.37299	-0.0622	0.17962	0.075178	0.10468
4.33E-14	-0.30261	2.40E-11	0.069518	0.13359	0.013131	0.77717	-0.05559	0.23051
0.38863	-0.03628	0.43409	0.040646	0.38082	0.000191	0.99671	0.168522	0.00025
0.00498	-0.15238	0.00095	0.172519	0.00018	-0.06757	0.14484	-0.02399	0.60509
0.00883	0.018157	0.69553	0.010747	0.81683	-0.01851	0.68992	-0.02544	0.58337
0.93152	0.010877	0.81465	0.145816	0.00158	0.000515	0.99114	0.124331	0.00714
1.92E-07	-0.18173	7.83E-05	-0.03505	0.44992	-0.06539	0.15833	0.061038	0.18792
0.00393	-0.18299	6.97E-05	0.012322	0.79056	-0.00175	0.96998	0.052767	0.2551

0.00728	-0.07416	0.10947	0.065186	0.1596	0.064886	0.16154	0.059182	0.20173
0.00734	-0.13244	0.00414	0.028294	0.54192	-0.02831	0.54169	-0.04308	0.35298
0.04564	0.056813	0.22041	0.056972	0.21912	0.023297	0.61555	0.121038	0.00884
0.46211	-0.06501	0.16072	-0.02584	0.57751	-0.04442	0.33815	0.089824	0.0524
2.26E-09	-0.23862	1.81E-07	0.059002	0.20311	-0.07385	0.11096	0.015288	0.74178
0.15024	-0.08201	0.07665	0.045997	0.32126	-0.00782	0.86624	0.133537	0.00384
0.01104	-0.17304	0.00017	0.010698	0.81765	-0.02349	0.61263	-0.01759	0.70451
1.91E-06	-0.22342	1.08E-06	0.057782	0.21262	0.015263	0.74218	0.06431	0.1653
0.10072	-0.10533	0.02282	0.028293	0.54193	-0.01612	0.72831	0.07103	0.12533
0.04067	-0.08254	0.07474	0.25085	3.92E-08	-0.01227	0.7915	-0.08469	0.06747
0.33443	0.062297	0.17896	0.010137	0.82706	-0.02489	0.59163	0.25079	3.95E-08
2.67E-06	-0.20678	6.63E-06	-0.02115	0.6485	-0.0782	0.09144	-0.03275	0.48017
0.48617	0.00845	0.8555	0.020644	0.65635	-0.02654	0.5672	0.147756	0.00136
0.12478	0.051211	0.2694	0.025473	0.58294	-0.00468	0.91966	0.102706	0.02646
0.00054	-0.04785	0.30216	0.213097	3.38E-06	0.007763	0.86712	-0.07914	0.08758
0.69707	-0.00028	0.99518	0.022265	0.63128	0.083841	0.07027	0.077719	0.09343
1.72E-05	-0.22658	7.50E-07	-0.02226	0.63131	-0.07207	0.11988	0.009351	0.84028
5.86E-08	-0.23933	1.66E-07	0.084375	0.0685	-0.01947	0.67474	0.063403	0.17136
1.55E-09	-0.29116	1.41E-10	0.079451	0.08634	-0.08709	0.06002	0.02108	0.64956
0.0704	-0.08456	0.0679	0.002878	0.95054	-0.00934	0.84047	0.095182	0.03978
5.72E-12	-0.32873	3.14E-13	-0.02908	0.53072	-0.01132	0.8073	-0.02799	0.54632
0.01793	-0.01786	0.70021	-0.00688	0.88216	-0.04582	0.32317	0.029877	0.51953
0.47987	0.004946	0.91511	0.038105	0.41134	0.074689	0.10697	0.092033	0.04684
0.1024	0.076071	0.10061	0.220474	1.50E-06	0.059551	0.19893	0.248892	5.03E-08
0.02808	-0.06659	0.15077	0.07833	0.09088	-0.00158	0.97283	0.154639	0.0008
2.37E-06	-0.28917	1.91E-10	-0.05436	0.24102	-0.06557	0.15714	-0.0332	0.47418
0.15296	-0.08398	0.06982	0.01937	0.67631	-0.02315	0.61771	0.041745	0.36807
0.9787	0.179425	9.67E-05	0.064954	0.1611	0.511738	1.57E-32	0.023408	0.61387
0.09372	0.105325	0.02283	0.269639	3.19E-09	0.440708	1.30E-23	-0.03527	0.44708
0.19363	0.152261	0.00096	0.04688	0.31205	0.286233	2.95E-10	-0.12464	0.007
0.7469	0.083873	0.07017	0.047154	0.30923	0.403358	1.07E-19	-0.02345	0.61321
0.34355	0.082916	0.07344	0.010181	0.82632	0.32015	1.37E-12	-0.07937	0.08665
0.49745	0.187446	4.58E-05	0.17246	0.00018	0.689249	4.50E-67	0.046663	0.3143
0.14404	0.158844	0.00057	0.15476	0.00079	0.428401	2.87E-22	0.156409	0.00069
0.00521	0.188041	4.33E-05	0.128743	0.00533	0.510587	2.28E-32	0.135247	0.00341
0.63408	0.104708	0.02364	0.056898	0.21972	0.412384	1.34E-20	-0.03654	0.43078
4.40E-05	0.246317	6.97E-08	0.300841	3.18E-11	0.384321	6.93E-18	0.215992	2.47E-06
0.00257	0.218982	1.77E-06	0.174419	0.00015	0.709154	1.38E-72	0.232247	3.87E-07
0.20844	0.096075	0.03795	0.010351	0.82346	0.274118	1.71E-09	0.026732	0.56445
0.75537	0.013733	0.76723	0.127023	0.00598	0.262521	8.45E-09	0.029411	0.52607
0.00124	0.157052	0.00066	0.095664	0.03878	0.384651	6.46E-18	0.174347	0.00015
0.49753	0.142322	0.00205	0.044452	0.33781	0.824888	#####	0.059954	0.19591
0.73039	0.116021	0.01211	0.04498	0.33209	0.584999	3.18E-44	0.083291	0.07214
0.45901	0.128767	0.00532	0.080703	0.08148	0.524329	2.43E-34	0.010914	0.81403
0.5344	0.007865	0.86539	0.121297	0.00869	0.413747	9.73E-21	0.057756	0.21284

0.59937	0.077337	0.09506	0.122052	0.00828	0.755709	1.63E-87	0.076033	0.10079
0.9571	0.079553	0.08593	0.02334	0.6149	0.771786	1.78E-93	0.014207	0.75945
0.52889	0.109117	0.01834	0.014053	0.76198	0.711703	2.51E-73	0.032203	0.48754
0.32877	0.125182	0.00676	0.015184	0.74346	0.525288	1.76E-34	0.075781	0.10192
0.02764	-0.0869	0.06059	0.114038	0.01367	0.297464	5.38E-11	-0.02381	0.60777
0.32282	0.077656	0.0937	0.020466	0.65911	0.494796	3.29E-30	0.004042	0.93058
2.72E-05	0.328106	3.50E-13	0.077592	0.09397	0.389008	2.54E-18	0.185182	5.67E-05
0.2362	0.073109	0.11462	0.052238	0.25991	0.379199	2.03E-17	-0.00204	0.96485
0.17	0.124133	0.00724	0.050999	0.27139	0.425483	5.88E-22	0.094559	0.0411
0.47579	0.116925	0.01145	0.027724	0.55008	0.738051	1.77E-81	0.003226	0.94456
0.48915	0.063958	0.16763	0.021958	0.63599	0.651708	8.39E-58	0.0107	0.81762
0.23749	0.172805	0.00018	0.072036	0.12005	0.673737	4.47E-63	0.122554	0.00802
0.77102	0.06869	0.13829	0.026811	0.5633	0.80904	#####	0.015698	0.73511
0.46409	0.135452	0.00336	0.054953	0.23592	0.809199	#####	0.074481	0.10795
0.69759	0.12106	0.00883	0.012366	0.78983	0.825273	#####	0.008764	0.85018
0.86343	0.084715	0.06739	0.077799	0.0931	0.428177	3.04E-22	0.073464	0.11286
0.8966	0.124044	0.00728	-0.00032	0.99448	0.783492	3.90E-98	0.012667	0.78484
0.56045	0.064016	0.16725	0.048994	0.29071	0.52066	8.34E-34	0.054318	0.24138
0.76943	0.1085	0.01901	0.002177	0.96258	0.786116	3.22E-99	0.000763	0.98689
0.51171	0.112518	0.01498	0.024258	0.60104	0.816721	#####	0.003226	0.94458
0.70376	0.105087	0.02314	0.024898	0.59148	0.796036	#####	0.029502	0.5248
0.30291	0.177469	0.00012	0.039505	0.39435	0.778162	5.60E-96	0.050732	0.27391
0.14647	0.112044	0.01542	0.038194	0.41024	0.624329	7.86E-52	-0.00591	0.89866
0.70649	0.076195	0.10006	0.055978	0.22728	0.50689	7.48E-32	-0.00483	0.91707
0.22988	0.140201	0.00239	0.064934	0.16122	0.467989	8.59E-27	0.03276	0.48004
0.16532	0.10642	0.02144	0.145763	0.00159	0.471331	3.34E-27	0.179148	9.92E-05
0.00169	0.268192	3.90E-09	0.023558	0.6116	0.415838	5.95E-21	0.137619	0.00288
0.84885	0.03425	0.46028	0.04449	0.33739	0.413907	9.37E-21	-0.00167	0.9713
0.57181	0.113875	0.01381	-0.00409	0.92968	0.750656	9.81E-86	0.003011	0.94827
0.71777	0.093485	0.04346	0.05305	0.25256	0.808795	#####	0.026924	0.56166
0.44807	0.135073	0.00345	0.028605	0.53747	0.748319	6.31E-85	0.017466	0.70657
0.06228	0.127238	0.0059	0.068151	0.14142	0.649378	2.86E-57	0.077172	0.09577
0.10095	0.154273	0.00082	0.037939	0.41337	0.83221	#####	0.035022	0.45023
0.65807	0.039898	0.38966	0.015719	0.73475	0.314643	3.43E-12	-0.02853	0.53856
0.32058	0.199129	1.46E-05	0.042325	0.36145	0.718331	2.74E-75	0.033766	0.46665
0.78146	0.062978	0.17425	0.103507	0.0253	0.310429	6.85E-12	-0.03943	0.39526
0.09062	0.139872	0.00245	0.199107	1.46E-05	0.623679	1.07E-51	0.139854	0.00245
0.03139	0.151482	0.00102	0.111206	0.01621	0.546077	1.18E-37	0.092514	0.0457
0.44943	0.01914	0.67993	0.084141	0.06927	0.072718	0.11658	-0.02723	0.55716
0.84027	0.011732	0.80037	0.019348	0.67666	-0.00619	0.8938	0.019506	0.67417
2.84E-05	0.234433	2.99E-07	0.006269	0.89252	-0.00314	0.94606	0.268601	3.69E-09
0.00064	0.194501	2.31E-05	0.090142	0.05157	0.085126	0.06606	0.267725	4.16E-09
0.16764	0.071386	0.12344	0.005312	0.90885	0.016185	0.72721	0.154809	0.00079
0.00016	0.200149	1.31E-05	0.15771	0.00063	0.048507	0.29554	0.156046	0.00071
0.75928	0.034917	0.45159	0.291275	1.39E-10	-0.00732	0.8747	0.147219	0.00142



0.0355	-0.08823	0.05674	-0.00605	0.8962	-0.06223	0.17945	0.076068	0.10063
0.00192	-0.11757	0.011	-0.02084	0.6533	-0.06128	0.18621	-0.14672	0.00148
0.12432	0.082151	0.07614	0.017342	0.70857	-0.01476	0.7504	0.159477	0.00054
0.28463	-0.00443	0.92386	0.100676	0.02961	0.003069	0.94726	-0.00261	0.95509
0.07224	-0.07854	0.09003	0.021439	0.644	-0.05186	0.26334	0.093491	0.04345
0.1463	0.126467	0.00621	0.147665	0.00137	-0.01295	0.78019	0.152757	0.00093
0.20946	-0.04498	0.33204	0.088608	0.05569	-0.03252	0.48321	0.205318	7.72E-06
0.09512	0.10718	0.02052	-0.03047	0.51133	-0.08801	0.05738	0.133034	0.00398
0.41768	0.046016	0.32107	0.036397	0.43263	-0.00983	0.83221	0.145133	0.00166
0.04867	0.127086	0.00596	0.035697	0.44154	-0.00636	0.891	0.195537	2.09E-05
0.98409	0.02021	0.66311	0.055102	0.23465	-0.03663	0.4297	0.078969	0.08826
0.57199	0.112911	0.01463	0.045677	0.32464	0.014167	0.76011	0.13559	0.00333
5.95E-05	0.185273	5.63E-05	0.079006	0.08812	0.090091	0.0517	0.29129	1.38E-10
0.32397	0.21704	2.20E-06	0.092353	0.04608	-0.01347	0.77159	0.117322	0.01117
0.14914	-0.04778	0.30282	-0.05676	0.22087	-0.07439	0.10836	0.003737	0.93581
0.31059	0.040709	0.38009	0.000319	0.99452	0.000253	0.99565	0.151354	0.00103
0.12552	0.150716	0.00109	0.106007	0.02195	0.067792	0.14354	0.09265	0.04538
0.73338	-0.0622	0.17963	-0.0502	0.27896	-0.04934	0.28731	0.004006	0.9312
0.00033	0.229685	5.24E-07	-0.00999	0.82959	0.023098	0.61857	0.181744	7.82E-05
0.26321	0.014422	0.75592	-0.00396	0.93197	-0.03176	0.49358	0.145969	0.00156
0.02033	0.134537	0.00358	0.022309	0.63061	0.024358	0.59955	0.190243	3.50E-05
0.03125	-0.10247	0.02681	0.029332	0.52719	-0.03137	0.49893	0.069377	0.13439
0.00526	0.200422	1.28E-05	0.053423	0.24924	0.012648	0.78515	0.198038	1.63E-05
0.19022	0.061705	0.18314	0.380949	1.41E-17	0.043945	0.34335	0.172073	0.00019
0.83067	-0.0614	0.18531	-0.00829	0.85821	-0.06652	0.15119	0.100534	0.02984
0.00205	-0.12144	0.00862	-0.03577	0.44055	0.011618	0.80228	-0.00188	0.96761
9.47E-08	0.270804	2.72E-09	0.15792	0.00061	0.07029	0.12932	0.314184	3.70E-12
0.69145	0.030966	0.50443	0.033637	0.46835	0.015446	0.7392	0.04684	0.31246
0.00194	0.155802	0.00073	0.095162	0.03982	0.076106	0.10046	0.327229	4.07E-13
0.02829	0.144731	0.00171	0.285752	3.17E-10	0.066596	0.15075	0.085069	0.06625
0.0052	-0.12436	0.00713	0.065839	0.15545	-0.09473	0.04073	0.084112	0.06937
0.19753	-0.0465	0.31604	-0.00724	0.87602	-0.06578	0.15585	0.109435	0.018
0.00034	0.119316	0.00986	-0.03483	0.45278	-0.08278	0.07392	0.075033	0.10536
4.02E-06	0.250463	4.12E-08	0.085415	0.06514	0.063507	0.17066	0.342689	2.58E-14
0.0072	0.148143	0.00132	0.059459	0.19963	0.019766	0.67008	0.298126	4.85E-11
0.22819	0.070356	0.12896	-0.00063	0.98922	0.000255	0.99562	0.179983	9.19E-05
0.12356	-0.09753	0.03511	-0.09595	0.03821	-0.12624	0.0063	-0.08163	0.07803
0.26456	0.057388	0.21577	0.053892	0.2451	0.002165	0.96279	0.076319	0.09951
0.00241	0.193329	2.59E-05	0.168069	0.00026	0.141579	0.00216	0.292471	1.16E-10
0.01031	0.112713	0.01481	0.364564	3.99E-16	-0.00699	0.88029	0.146369	0.00152
0.12244	0.051664	0.26518	0.024504	0.59737	0.030388	0.51241	0.286544	2.82E-10
0.00122	0.191307	3.16E-05	-0.00978	0.83307	0.003596	0.93822	0.262871	8.06E-09
0.00027	0.161917	0.00044	0.075128	0.10492	0.06056	0.19141	0.264561	6.41E-09
3.51E-07	0.253	2.97E-08	0.093881	0.04258	0.001399	0.97595	0.238069	1.93E-07
0.52096	-0.03561	0.44259	0.040431	0.38335	-0.00516	0.91151	0.183235	6.81E-05

0.01785	-0.06626	0.15281	0.008078	0.86178	-0.0158	0.73345	-0.01851	0.68992
0.01102	0.152676	0.00093	0.057302	0.21646	0.014845	0.749	0.307236	1.15E-11
0.117	-0.0802	0.08341	0.097371	0.03542	-0.05898	0.20324	0.10061	0.02971
0.37226	0.024924	0.59109	0.040815	0.37885	-0.03787	0.41422	0.131821	0.00432
0.00162	0.105552	0.02253	0.060934	0.18868	-0.1356	0.00332	0.05805	0.21051
0.5954	0.104386	0.02408	0.028058	0.5453	-0.00576	0.90121	-0.09464	0.04091
0.64024	-0.04074	0.37969	-0.0704	0.12869	-0.10976	0.01766	0.115571	0.01245
0.00718	0.168661	0.00025	-0.06215	0.17996	0.006712	0.88498	0.103796	0.02489
0.0075	0.151129	0.00105	-0.04876	0.29305	0.034176	0.46125	0.075925	0.10127
0.00263	0.176593	0.00012	0.036463	0.43179	0.032006	0.49021	0.199826	1.36E-05
0.00208	0.151313	0.00104	0.003621	0.9378	-0.03897	0.40084	0.199893	1.35E-05
3.23E-07	0.216981	2.21E-06	0.032044	0.48969	0.043137	0.3523	0.076121	0.10039
0.00136	0.11364	0.014	0.071527	0.1227	0.045587	0.3256	0.166703	0.0003
0.00082	0.10773	0.01988	0.056184	0.22557	-0.07117	0.12458	0.1938	2.48E-05
0.48888	-0.0115	0.80424	0.218257	1.92E-06	-0.0839	0.07008	0.152065	0.00098
0.52512	0.001283	0.97794	0.049195	0.28874	0.011356	0.80665	0.085295	0.06553
0.00058	0.244206	9.08E-08	0.065937	0.15484	0.053206	0.25116	0.186373	5.07E-05
0.51276	0.05838	0.20793	0.042444	0.3601	-0.02751	0.5532	0.195262	2.14E-05
5.88E-06	0.260957	1.04E-08	0.037375	0.42036	-0.01288	0.78124	0.218255	1.92E-06
0.04357	-0.15608	0.00071	-0.14058	0.00233	-0.07033	0.12908	0.033723	0.46721
1.50E-05	0.175059	0.00014	0.034597	0.45575	0.02609	0.57384	0.07818	0.0915
0.08184	0.108279	0.01926	0.182654	7.19E-05	0.019575	0.67308	0.29073	1.51E-10
0.97606	0.020556	0.65772	0.097477	0.03522	0.102272	0.02711	0.338555	5.48E-14
0.00066	0.163927	0.00037	0.031733	0.49392	0.007086	0.87861	0.242744	1.09E-07
0.20146	0.063996	0.16738	0.004068	0.93013	-0.01646	0.72269	0.129837	0.00495
2.36E-08	0.320774	1.23E-12	0.14651	0.0015	0.043051	0.35326	0.027612	0.5517
0.02288	0.143327	0.0019	0.108853	0.01862	0.117769	0.01086	0.377634	2.82E-17
0.08214	0.089047	0.05448	0.013482	0.77137	-0.02701	0.56035	0.157219	0.00065
0.02173	0.12397	0.00731	0.016504	0.72205	0.010767	0.81649	0.133042	0.00397
0.09318	0.051405	0.26759	0.142126	0.00208	-0.00617	0.8942	0.123615	0.00749
0.05166	0.102859	0.02623	0.016227	0.72652	0.133176	0.00394	0.024345	0.59975
0.00018	-0.17639	0.00013	0.10873	0.01876	-0.05358	0.24784	-0.00718	0.87698
0.54194	0.089105	0.05432	0.144224	0.00178	0.056629	0.22191	0.084486	0.06813
0.02982	0.132105	0.00424	0.035325	0.44631	-0.02058	0.65739	0.127698	0.00572
0.00589	0.141264	0.00221	0.063757	0.16898	0.075296	0.10414	0.401891	1.48E-19
2.17E-06	0.277152	1.11E-09	-0.01042	0.82238	0.042046	0.36463	0.226759	7.35E-07
0.00045	0.163622	0.00038	0.162214	0.00043	-0.0073	0.87493	0.226109	7.92E-07
0.3395	0.014993	0.74658	0.059225	0.2014	-0.00776	0.86722	0.103606	0.02516
0.94438	0.019371	0.6763	0.003912	0.93282	-0.03461	0.45557	0.066962	0.14852
2.87E-07	0.325168	5.81E-13	-0.05872	0.20532	0.014276	0.75831	0.058449	0.20739
0.07958	-0.10146	0.02836	-0.07824	0.09123	-0.11655	0.01172	-0.08594	0.06351
0.53482	0.051833	0.26362	-0.05424	0.24204	-0.05713	0.21784	-0.01934	0.67685
1.97E-07	0.300776	3.21E-11	0.187299	4.64E-05	0.091857	0.04726	0.214651	2.86E-06
6.36E-05	0.208948	5.27E-06	0.063841	0.16841	-0.03318	0.47439	0.050795	0.27331
0.00099	0.180527	8.74E-05	0.011401	0.80589	0.01663	0.72002	0.211727	3.92E-06

4.50E-05	0.224255	9.80E-07	0.046956	0.31127	-0.01949	0.67436	0.176192	0.00013
0.14175	0.091092	0.04914	0.012984	0.77959	-0.00097	0.98338	0.221325	1.36E-06
9.39E-07	0.13604	0.00322	-0.0271	0.55906	0.015165	0.74377	0.304063	1.91E-11
0.90346	0.037695	0.41639	0.006861	0.88244	0.028002	0.54609	0.126422	0.00623
0.57323	0.106787	0.02099	0.082598	0.07455	0.074666	0.10707	0.087475	0.0589
0.8557	-0.00854	0.85392	0.040479	0.38278	0.023541	0.61185	-0.02369	0.60955
0.42239	-0.05624	0.22514	0.059753	0.19741	0.025657	0.58023	0.221111	1.40E-06
0.32184	0.12393	0.00733	-0.01249	0.78774	-0.06015	0.19444	0.062023	0.18089
0.71578	-0.01176	0.79986	0.014693	0.75148	-0.03496	0.45097	0.117359	0.01114
0.12486	-0.06104	0.18794	0.012062	0.79489	-0.04363	0.34684	0.109644	0.01778
0.40686	0.073627	0.11207	0.061819	0.18233	0.056903	0.21968	0.113222	0.01436
0.00491	0.201057	1.20E-05	0.026694	0.56501	0.006811	0.88329	0.127926	0.00563
0.00259	-0.15109	0.00106	-0.04615	0.31962	-0.07408	0.10988	-0.1426	0.00201
0.24207	0.049393	0.28679	-0.01405	0.76201	-0.05886	0.2042	0.160377	0.0005
0.00226	0.131877	0.00431	0.051368	0.26794	0.107687	0.01993	0.175859	0.00013
0.42748	0.068067	0.14191	0.137243	0.00296	0.015189	0.74338	0.105038	0.0232
0.21844	0.026053	0.5744	0.053578	0.24786	-0.03194	0.49114	0.183304	6.76E-05
9.88E-05	-0.24141	1.28E-07	-0.03325	0.47345	-0.10966	0.01776	0.011257	0.8083
0.03032	0.081317	0.07918	0.003513	0.93965	-0.0287	0.53608	0.173572	0.00016
8.22E-05	-0.17167	0.00019	0.188741	4.05E-05	-0.03388	0.46515	-0.01457	0.75356
0.72989	-0.00553	0.90511	-0.02948	0.52505	-0.06989	0.1315	0.006501	0.88858
0.00617	0.138962	0.00262	0.078126	0.09172	0.04968	0.284	0.254108	2.57E-08
0.01809	-0.09266	0.04535	-0.01151	0.80416	-0.09825	0.03377	0.001272	0.97812
5.13E-16	0.426297	4.82E-22	0.190341	3.47E-05	0.416094	5.60E-21	0.294684	8.25E-11
0.36431	-0.02964	0.5229	0.062489	0.17763	0.001698	0.97081	0.157512	0.00064
0.74566	0.053346	0.24992	0.061316	0.18592	0.088268	0.05664	0.167074	0.00029
0.02194	-0.18303	6.94E-05	0.015584	0.73696	-0.04216	0.36335	0.09545	0.03922
0.48127	0.052907	0.25384	0.062211	0.17957	0.040731	0.37984	0.133758	0.00378
0.00011	0.199414	1.42E-05	0.079068	0.08786	0.016376	0.72411	0.266866	4.68E-09
0.00018	0.170871	0.00021	0.100515	0.02987	0.065902	0.15506	0.228735	5.85E-07
2.76E-05	0.344605	1.82E-14	0.152799	0.00092	0.073419	0.11308	0.064014	0.16726
0.48981	0.034131	0.46184	0.042947	0.35443	0.00372	0.93611	0.072551	0.11742
0.38109	-0.02166	0.6406	0.094155	0.04198	-0.04517	0.3301	0.215593	2.58E-06
5.34E-10	0.201974	1.09E-05	0.22541	8.59E-07	0.009158	0.84354	0.117143	0.0113
0.56048	0.025784	0.57835	-0.01994	0.6674	-0.08749	0.05886	0.108123	0.01943
0.78013	0.000216	0.99629	0.126888	0.00604	-0.0519	0.26304	0.136666	0.00308
0.96262	-0.02002	0.66611	0.05933	0.20061	0.064195	0.16606	0.072478	0.11779
0.0893	0.120215	0.00931	0.059397	0.2001	-0.11414	0.01358	-0.01855	0.6893
0.50202	0.026776	0.56381	0.020512	0.6584	-0.01184	0.79857	0.007374	0.87372
2.60E-16	0.185162	5.68E-05	0.07222	0.11911	-0.14366	0.00186	0.244125	9.17E-08
0.00306	0.155601	0.00074	0.055064	0.23497	-0.00808	0.8617	-0.14903	0.00124
0.00756	0.084681	0.0675	-0.06292	0.17463	-0.04388	0.34401	0.114374	0.01339
0.00016	0.302443	2.47E-11	0.065641	0.15671	0.150088	0.00114	0.057698	0.2133
4.36E-16	0.442808	7.59E-24	0.104885	0.02341	0.102174	0.02725	0.456562	2.00E-25
0.00035	0.251043	3.82E-08	0.078654	0.08955	0.036795	0.42761	0.138155	0.00277

0.76389	0.003879	0.93337	0.105794	0.02222	0.153055	0.00091	0.292085	1.23E-10
1.28E-06	0.219795	1.62E-06	-0.01307	0.77825	-0.00744	0.87256	0.248296	5.43E-08
0.00413	0.13416	0.00368	-0.01025	0.82512	-0.00456	0.92174	0.137504	0.0029
0.8333	0.012715	0.78404	-0.01724	0.71023	-0.03431	0.45953	0.124221	0.0072
0.64535	0.088155	0.05695	0.167162	0.00029	0.038409	0.40761	-0.07752	0.09428
0.00335	0.131146	0.00453	0.046659	0.31435	0.0097	0.83441	0.06313	0.17321
0.58415	0.067488	0.14534	0.106581	0.02124	0.074227	0.10916	0.234475	2.97E-07
0.1274	0.083088	0.07284	0.042355	0.3611	-0.00237	0.95929	0.107021	0.02071
0.69333	-0.012	0.79599	0.011877	0.79796	-0.03227	0.48661	0.108058	0.0195
0.00041	0.200986	1.21E-05	0.073218	0.11408	0.022855	0.62226	0.21034	4.55E-06
6.76E-07	0.282746	4.93E-10	0.060118	0.19468	0.027641	0.55128	0.261046	1.03E-08
0.14306	0.007086	0.87863	-0.03049	0.51095	-0.03554	0.44353	0.194428	2.33E-05
0.41887	-0.03207	0.48938	0.038876	0.40193	-0.03881	0.40267	0.153314	0.00089
5.53E-05	0.123666	0.00746	0.104047	0.02454	-0.05069	0.27431	0.014648	0.75222
8.55E-07	0.328256	3.41E-13	0.122448	0.00807	0.053004	0.25297	0.29115	1.41E-10
0.93036	0.048164	0.29897	0.086441	0.06197	-0.01946	0.67488	0.147223	0.00142
0.50254	-0.12373	0.00743	-0.04873	0.29335	-0.04657	0.31524	0.089919	0.05215
0.00017	0.217095	2.19E-06	0.126497	0.00619	0.044966	0.33224	0.258906	1.37E-08
0.62253	0.138648	0.00268	0.192172	2.91E-05	-0.05113	0.2702	-0.10404	0.02455
0.02904	0.067218	0.14696	0.058178	0.2095	-0.09812	0.03403	-0.11432	0.01344
9.46E-07	0.254643	2.40E-08	0.023606	0.61086	-0.0075	0.87162	0.224459	9.57E-07
0.30525	0.071573	0.12246	0.070664	0.12729	0.007612	0.86969	-0.0293	0.52763
0.59138	-0.03449	0.45711	0.023137	0.61798	-0.04377	0.34532	0.068077	0.14186
1.73E-06	0.215562	2.59E-06	0.052333	0.25904	0.12203	0.00829	0.235885	2.51E-07
0.78102	0.022586	0.62637	0.05069	0.27431	0.027776	0.54934	0.208618	5.46E-06
0.001	0.171443	0.0002	0.338369	5.67E-14	0.024007	0.60483	0.088757	0.05527
0.05602	0.114093	0.01362	0.067696	0.14411	0.039445	0.39507	0.095946	0.03821
1.81E-06	0.307637	1.08E-11	0.032721	0.48056	0.013694	0.76788	0.242345	1.14E-07
0.01513	0.011092	0.81106	0.070705	0.12707	-0.05079	0.2734	0.033316	0.47261
0.45899	-0.01145	0.80513	0.475357	1.06E-27	-0.00315	0.9459	0.137335	0.00294
0.00083	0.155308	0.00076	0.039235	0.39759	-0.02246	0.62826	0.086231	0.06261
0.00661	0.130456	0.00475	-0.01202	0.79563	-0.02671	0.5647	0.183889	6.41E-05
7.04E-05	0.210109	4.66E-06	0.033946	0.46428	-0.01523	0.74276	0.144903	0.00169
0.3686	0.176318	0.00013	0.164495	0.00036	0.063503	0.17068	0.099342	0.03184
0.16405	-0.0335	0.47021	0.055829	0.22852	0.026335	0.57025	0.017034	0.71351
0.23761	-0.04118	0.37456	0.009609	0.83592	-0.02656	0.56703	-0.0883	0.05654
0.02612	0.192409	2.84E-05	0.045908	0.3222	-0.0066	0.88689	0.039834	0.39042
0.15141	0.03561	0.44266	0.034057	0.46282	-0.03324	0.47368	0.128181	0.00554
0.00031	0.167622	0.00027	0.007007	0.87997	-0.02397	0.6054	0.186415	5.05E-05
3.65E-09	0.214294	2.97E-06	-0.03986	0.39014	-0.04346	0.34871	0.092139	0.04659
1.98E-05	0.281362	6.04E-10	0.005683	0.90252	0.009371	0.83994	0.230496	4.76E-07
0.0002	0.217796	2.02E-06	0.047182	0.30894	0.078146	0.09164	0.168681	0.00025
0.52162	-0.0254	0.58409	0.242415	1.13E-07	-0.0806	0.08188	0.04979	0.28293
0.46208	-0.03019	0.51514	0.058066	0.21039	-0.04638	0.31724	0.006186	0.89394
6.97E-05	0.225036	8.96E-07	0.026915	0.56179	0.002696	0.95367	0.156561	0.00069

4.09E-05	0.205652	7.46E-06	0.061674	0.18336	0.030225	0.51468	0.229517	5.34E-07
0.01905	0.139584	0.0025	0.056981	0.21904	0.019838	0.66895	0.13203	0.00426
4.73E-06	0.208571	5.49E-06	0.034711	0.45427	-0.00089	0.98466	0.238874	1.75E-07
0.62831	-0.01012	0.82742	0.03034	0.51308	-0.0031	0.94675	0.164716	0.00035
8.62E-06	0.304999	1.64E-11	0.14887	0.00125	0.017957	0.69872	0.20253	1.03E-05
0.33436	-0.03752	0.41852	0.032598	0.48222	-0.0061	0.89536	0.145858	0.00158
0.43663	0.068877	0.13722	0.034157	0.46151	-0.00267	0.95411	0.186834	4.85E-05
0.08722	0.080809	0.08108	0.097456	0.03525	0.076756	0.09758	0.253188	2.90E-08
0.98622	0.001382	0.97623	0.090996	0.04938	-0.04041	0.3836	0.158988	0.00056
0.16589	0.079498	0.08615	0.122782	0.0079	0.049342	0.28729	0.053546	0.24815
0.32215	0.014592	0.75314	0.014846	0.74899	-0.06971	0.13251	0.102029	0.02747
0.42193	0.032217	0.48735	-0.01676	0.71797	-0.03298	0.47705	0.013068	0.7782
0.70865	0.013608	0.7693	0.011145	0.81016	-0.05625	0.22503	0.020279	0.66204
0.00405	0.189273	3.85E-05	0.074248	0.10906	0.061857	0.18206	0.300348	3.43E-11
0.11259	-0.13814	0.00278	0.01983	0.66907	-0.04016	0.38653	-0.00608	0.89578
1.47E-09	0.367583	2.18E-16	0.150897	0.00107	0.043704	0.34601	0.146118	0.00154
0.04667	0.061591	0.18395	-0.06103	0.188	-0.06296	0.17435	0.138783	0.00265
0.00601	0.142787	0.00198	-0.00877	0.85016	-0.00932	0.84085	0.09364	0.04312
8.58E-06	0.320793	1.23E-12	0.022946	0.62088	0.037251	0.4219	0.142021	0.00209
0.01407	0.137208	0.00297	0.046705	0.31386	-0.04702	0.3106	0.064391	0.16477
0.57984	0.001309	0.97749	0.080383	0.0827	0.066221	0.15307	0.103909	0.02473
0.02511	-0.07325	0.11391	0.107875	0.01971	0.07885	0.08875	0.018846	0.68459
3.02E-17	0.418386	3.25E-21	0.131708	0.00436	0.027738	0.54988	0.250775	3.96E-08
0.91177	0.010858	0.81496	0.034684	0.45462	-0.02128	0.64646	0.145915	0.00157
0.00037	0.18837	4.19E-05	0.309301	8.23E-12	0.028276	0.54218	0.204325	8.56E-06
2.07E-09	0.312302	5.05E-12	0.061871	0.18196	0.067244	0.14681	0.358017	1.44E-15
2.82E-06	0.254093	2.58E-08	-0.01493	0.74758	0.006839	0.88283	0.220651	1.47E-06
0.49302	-0.03533	0.4463	0.056032	0.22683	0.027182	0.55791	0.12643	0.00622
0.0078	0.142812	0.00198	-0.01972	0.67085	-0.00781	0.86632	0.212965	3.43E-06
2.10E-06	0.187079	4.74E-05	0.041902	0.36627	0.021571	0.64196	0.235601	2.60E-07
0.00033	0.206463	6.85E-06	0.05629	0.22469	0.019	0.68215	0.244137	9.15E-08
0.00029	0.186124	5.19E-05	0.062754	0.17579	0.039082	0.39943	0.286167	2.98E-10
4.03E-05	0.254047	2.59E-08	0.082961	0.07328	-0.00946	0.83846	0.152879	0.00092
0.62951	-0.00479	0.91785	0.046773	0.31316	0.010237	0.82537	0.064821	0.16196
0.07855	0.15568	0.00074	-0.01377	0.76666	-0.0303	0.5137	-0.01519	0.74329
0.08953	0.030951	0.50463	0.095144	0.03986	-0.02994	0.51871	0.182979	6.97E-05
4.48E-07	0.233346	3.40E-07	0.122103	0.00825	-0.02149	0.64315	0.087835	0.05787
0.05632	0.108948	0.01852	0.036671	0.42917	0.039848	0.39026	0.192799	2.73E-05
0.66691	-0.04512	0.33055	0.006169	0.89422	-0.0425	0.35946	0.039485	0.39459
0.29859	-0.03105	0.50328	-0.00725	0.87591	-0.0121	0.79433	0.181932	7.68E-05
0.02316	0.129824	0.00496	0.12063	0.00907	0.052155	0.26066	-0.06729	0.14655
0.46439	0.017429	0.70716	-0.00742	0.87287	-0.04548	0.32671	0.251493	3.61E-08
0.99262	0.048775	0.29287	0.017016	0.7138	-0.07011	0.1303	0.075587	0.1028
0.69797	-0.00769	0.86835	0.006692	0.88531	-0.03641	0.4325	0.141077	0.00224
0.4885	0.093456	0.04353	0.224755	9.25E-07	0.051171	0.26978	-0.01452	0.75435

0.09768	-0.04112	0.37527	0.037821	0.41483	0.000159	0.99727	-0.04489	0.33305
0.16595	0.08792	0.05762	0.075209	0.10454	0.024513	0.59722	0.168382	0.00026
0.24164	0.091691	0.04767	0.075555	0.10295	0.045709	0.32431	0.084595	0.06778
0.02704	0.099008	0.03243	0.15795	0.00061	0.039024	0.40013	0.158533	0.00058
0.23825	-0.00037	0.99357	0.156009	0.00072	0.108333	0.0192	0.015627	0.73626
0.63445	0.023828	0.60751	0.037492	0.41891	0.024036	0.60439	0.009967	0.82991
0.7971	0.01767	0.7033	0.034552	0.45634	0.022069	0.6343	-0.05178	0.26413
0.48019	-0.032	0.49026	0.063878	0.16817	0.081771	0.07751	0.010877	0.81466
0.37713	-0.00114	0.98033	0.069882	0.13157	0.077168	0.09579	0.027735	0.54993
0.66438	0.028045	0.54548	0.031836	0.49251	0.031493	0.49719	0.000626	0.98924
0.71292	-0.0232	0.61705	0.04292	0.35473	0.051931	0.26272	-0.02434	0.59987
0.70021	-0.07442	0.10823	0.007514	0.87136	-0.01393	0.76403	-0.07333	0.11354
0.04633	0.076177	0.10014	0.073549	0.11245	0.061101	0.18747	0.124607	0.00702
0.11036	-0.08121	0.07957	0.1368	0.00305	-0.00376	0.9354	0.002782	0.95219
0.77222	-0.00813	0.86088	0.061371	0.18552	0.041248	0.3738	-0.00901	0.84596
0.12901	-0.03726	0.42175	0.104879	0.02341	0.096546	0.03701	0.032623	0.48188
0.23314	0.102447	0.02684	0.062669	0.17638	0.035256	0.4472	0.027266	0.55669
0.06178	0.036635	0.42962	0.055789	0.22886	0.034787	0.45327	0.249893	4.43E-08
0.26708	0.072458	0.11789	0.102274	0.0271	0.058425	0.20757	0.155644	0.00074
0.74162	0.046173	0.31942	0.099763	0.03112	0.103835	0.02484	0.077143	0.09589
0.479	-0.03843	0.40737	0.041071	0.37586	0.049573	0.28504	0.086457	0.06192
0.00101	-0.12734	0.00586	0.056168	0.22571	0.03269	0.48097	-0.00403	0.93083
0.18897	0.080392	0.08266	0.065803	0.15568	0.03575	0.44086	0.02863	0.53712
0.12271	-0.06008	0.19497	0.011441	0.80524	-0.00436	0.92522	0.017831	0.70073
0.09283	-0.06794	0.14266	-0.00389	0.93321	-0.0182	0.6948	0.066539	0.1511
0.40525	-0.00033	0.9944	0.049531	0.28545	0.033787	0.46638	0.022597	0.62621
0.26057	0.013778	0.76649	0.089137	0.05424	0.054384	0.24081	0.003607	0.93804
0.55064	0.051858	0.2634	0.082319	0.07554	0.028533	0.5385	0.071283	0.12398
0.64762	0.018451	0.69086	0.047551	0.30517	0.026069	0.57416	0.036427	0.43226
0.5343	0.078275	0.09111	0.206847	6.58E-06	0.042994	0.3539	0.043388	0.34951
0.94895	0.018088	0.69664	0.104407	0.02405	0.07476	0.10663	0.047586	0.30482
0.57074	-0.00232	0.96009	0.069156	0.13563	0.031701	0.49435	0.054749	0.23766
0.25655	0.072362	0.11838	0.095771	0.03856	0.069746	0.13232	0.101897	0.02768
0.52773	-0.04309	0.35287	0.042612	0.3582	0.033345	0.47222	0.012712	0.78409
0.00046	-0.17794	0.00011	0.020582	0.65731	0.107767	0.01984	-0.14258	0.00201
0.95674	0.041832	0.36707	0.056767	0.22079	0.032071	0.48933	0.127286	0.00588
0.01219	0.187652	4.49E-05	0.093227	0.04405	0.088613	0.05567	0.105681	0.02237
0.0251	0.134344	0.00363	0.041888	0.36643	0.076123	0.10038	0.112496	0.015
0.49589	0.005615	0.90368	0.030956	0.50456	0.004558	0.92174	0.035104	0.44916
0.68806	-0.02471	0.59425	0.083912	0.07003	0.108966	0.0185	0.115515	0.01249
0.98999	0.037051	0.42441	0.087981	0.05745	0.045451	0.32705	0.020163	0.66385
0.48959	-0.01684	0.71666	0.167133	0.00029	0.03626	0.43437	0.110355	0.01705
0.76572	0.042346	0.36121	0.042719	0.35699	0.035919	0.4387	0.04502	0.33166
0.45411	0.078593	0.08979	0.111133	0.01609	0.10815	0.0194	0.12404	0.00728
0.15066	0.077627	0.09382	0.128302	0.00549	0.125821	0.00648	0.178628	0.0001

0.0052	0.154157	0.00083	0.134774	0.00352	0.14978	0.00117	0.149955	0.00115
0.00687	0.141219	0.00222	0.108693	0.0188	0.096782	0.03655	0.160738	0.00049
0.20241	0.056385	0.22391	0.098489	0.03335	0.071967	0.12041	0.017681	0.70313
0.64014	-0.00408	0.92998	0.054113	0.24316	0.034179	0.46122	0.012334	0.79036
0.58285	-0.03321	0.47405	0.103064	0.02593	0.010125	0.82726	0.030923	0.50501
0.53155	0.033636	0.46837	0.081726	0.07767	0.078615	0.0897	0.053375	0.24966
0.03678	0.134681	0.00355	0.105661	0.02239	0.093083	0.04438	0.176897	0.00012
0.98376	0.047905	0.30158	0.050405	0.27702	0.066399	0.15196	0.011696	0.80098
0.02807	0.131429	0.00444	0.123058	0.00776	0.125335	0.00669	0.281709	5.74E-10
0.77905	-0.01269	0.78438	0.122508	0.00804	0.122109	0.00825	0.055989	0.22719
0.67963	0.0042	0.92787	0.051349	0.26811	0.048861	0.29203	-0.0235	0.61253
0.28597	0.023501	0.61245	0.151273	0.00104	-0.01249	0.78773	0.004716	0.91904
0.49534	0.006779	0.88383	0.351888	4.65E-15	0.016878	0.71603	-0.01277	0.78312
0.66699	-0.00742	0.8729	0.038419	0.40749	0.028887	0.53347	-0.0198	0.66961
0.34231	0.008845	0.84882	0.020861	0.65296	-0.00609	0.89557	-0.02533	0.58512
0.41393	0.048605	0.29456	0.019452	0.67502	0.032914	0.47797	0.024984	0.5902
0.31815	0.074939	0.1058	0.047261	0.30814	0.123839	0.00738	0.077915	0.09261
0.98497	0.003066	0.94731	0.04469	0.33522	0.045452	0.32704	0.03215	0.48825
0.34486	-0.01564	0.73607	0.043361	0.3498	0.046655	0.31438	0.039476	0.3947
0.33663	0.00815	0.86057	0.078332	0.09087	0.074273	0.10894	-0.02595	0.57589
0.0041	0.172134	0.00019	-0.01033	0.8239	-0.03291	0.47808	-0.16479	0.00035
1.95E-13	0.426008	5.17E-22	0.030388	0.51242	0.092878	0.04485	-0.15246	0.00095
7.91E-05	0.144808	0.0017	-0.01323	0.77556	-0.00417	0.92833	-0.00081	0.98605
0.00047	0.298173	4.82E-11	0.021552	0.64226	0.047732	0.30333	0.052829	0.25455
0.00012	0.214723	2.83E-06	0.064073	0.16687	0.035331	0.44624	-0.0405	0.38254
1.28E-05	0.305309	1.57E-11	0.00129	0.97782	-0.00355	0.93906	-0.05176	0.26429
0.01921	0.13613	0.0032	-0.06293	0.17458	0.033258	0.47338	0.012099	0.79428
9.01E-06	0.350814	5.70E-15	-0.0578	0.2125	0.077847	0.09289	0.025181	0.58727
0.35183	0.17608	0.00013	-0.00061	0.98949	0.046842	0.31244	-0.26323	7.68E-09
0.00463	0.034303	0.45959	0.012608	0.78582	0.001548	0.97339	-0.06775	0.14378
2.71E-12	0.352556	4.10E-15	-0.03172	0.49409	0.007717	0.8679	-0.01832	0.69294
1.50E-05	0.112132	0.01534	0.039664	0.39245	0.000684	0.98824	0.07737	0.09492
0.69917	-0.0607	0.19036	-0.12359	0.0075	-0.07578	0.10192	-0.1108	0.0166
2.14E-08	-0.21398	3.07E-06	0.082343	0.07545	0.021429	0.64415	0.020514	0.65837
0.00158	0.129781	0.00497	0.070551	0.1279	-0.05848	0.20717	-0.22381	1.03E-06
1.59E-06	0.179196	9.87E-05	-0.06118	0.1869	-0.03114	0.502	-0.16059	0.00049
1.45E-12	0.362371	6.15E-16	0.014591	0.75316	0.023998	0.60495	-0.02024	0.66266
4.38E-13	0.38502	5.97E-18	0.053037	0.25267	0.023986	0.60513	0.053842	0.24554
0.00203	0.092368	0.04604	-0.07755	0.09415	0.029122	0.53014	-0.08832	0.0565
1.07E-06	0.239145	1.69E-07	0.041099	0.37553	0.067392	0.14592	-0.04338	0.34956
2.79E-20	0.345751	1.47E-14	0.005563	0.90456	0.013014	0.7791	0.032645	0.48158
2.83E-06	0.195033	2.19E-05	0.027276	0.55656	0.01188	0.79791	-0.02861	0.53734
0.00757	0.069768	0.1322	-0.04832	0.29739	-0.06089	0.18902	-0.21819	1.94E-06
1.52E-09	0.335138	1.01E-13	-0.05073	0.27397	0.09084	0.04978	-0.05178	0.26411
0.95964	-0.00739	0.87348	-0.04947	0.28602	0.0443	0.33945	-0.12608	0.00637

1.72E-07	0.179405	9.69E-05	-0.04718	0.309	0.003264	0.94391	-0.05376	0.24627
2.48E-38	0.611998	2.49E-49	0.048428	0.29632	0.062355	0.17856	0.12142	0.00862
8.85E-10	0.374954	4.90E-17	0.147697	0.00137	-0.00928	0.84152	0.111898	0.01555
6.14E-07	0.261757	9.36E-09	-0.00878	0.84997	-0.00803	0.86254	-0.15753	0.00063
2.54E-34	0.360353	9.13E-16	0.008091	0.86157	0.033189	0.4743	0.073937	0.11056
0.51577	-0.11361	0.01403	0.100622	0.02969	0.011519	0.80393	-0.15412	0.00083
0.58453	-0.06591	0.15499	-0.07814	0.09165	-0.08376	0.07056	-0.03927	0.39717
1.26E-07	0.221344	1.36E-06	-0.10079	0.02942	0.075412	0.10361	-0.01767	0.70337
2.10E-13	0.364981	3.67E-16	-0.01674	0.71823	0.065712	0.15625	-0.09946	0.03164
2.56E-27	0.491029	1.04E-29	0.003589	0.93834	0.093342	0.04379	0.069644	0.13289
6.74E-20	0.408501	3.29E-20	0.042096	0.36406	0.03293	0.47776	0.127901	0.00564
0.24024	0.008117	0.86113	-0.02521	0.58691	-0.08582	0.06388	-0.13628	0.00317
6.24E-14	0.397789	3.72E-19	0.022999	0.62007	0.058941	0.20358	-0.09328	0.04392
0.69302	0.023687	0.60965	-0.03426	0.46014	0.015122	0.74448	-0.08198	0.07677
0.00368	-0.01075	0.81683	0.033968	0.46398	-0.0587	0.20546	0.036678	0.42909
2.63E-33	0.528447	5.98E-35	0.045849	0.32282	0.013289	0.77456	0.026927	0.56161
0.00051	0.088185	0.05687	-0.06993	0.13129	0.020368	0.66064	0.078962	0.08829
2.40E-13	0.444847	4.47E-24	-0.00885	0.84872	0.072981	0.11526	0.002001	0.9656
0.64639	0.048672	0.29389	-0.05732	0.21627	0.052006	0.26203	-0.12846	0.00543
2.03E-10	0.19844	1.56E-05	-0.10665	0.02116	-0.08416	0.0692	0.002156	0.96293
4.01E-12	0.493133	5.47E-30	0.097484	0.0352	0.153572	0.00087	0.039867	0.39003
0.00068	-0.19708	1.79E-05	0.004643	0.92029	-0.00755	0.87081	-0.05147	0.26696
0.01252	0.024502	0.5974	-0.04559	0.3256	-0.05953	0.19908	-0.07915	0.08752
1.52E-08	0.222194	1.24E-06	0.010743	0.8169	-0.00542	0.90697	-0.00621	0.89351
0.00553	0.105479	0.02263	-0.05127	0.26889	-0.11087	0.01653	0.001467	0.97478
0.58287	0.054434	0.24038	-0.03512	0.44901	0.021265	0.64669	-0.27156	2.44E-09
0.03894	-0.0676	0.14469	0.061457	0.18491	0.083608	0.07106	-0.23179	4.09E-07
2.15E-08	0.194892	2.22E-05	0.001406	0.97583	0.002992	0.94858	-0.00161	0.9723
0.02207	0.066801	0.14949	-0.07807	0.09194	-0.0516	0.26577	-0.04178	0.36772
9.48E-05	0.255789	2.07E-08	-0.09454	0.04115	-0.01555	0.73747	-0.08171	0.07775
0.0201	0.116882	0.01148	-0.08053	0.08213	0.008272	0.85851	0.001873	0.9678
0.12296	0.24925	4.81E-08	-0.00515	0.91162	0.063568	0.17024	0.03363	0.46844
1.80E-36	0.599193	7.56E-47	0.110136	0.01727	0.095981	0.03813	0.024025	0.60454
2.19E-05	-0.20761	6.07E-06	-0.15159	0.00102	-0.14239	0.00204	-0.15814	0.0006
0.40212	-0.01666	0.71951	-0.07019	0.12985	-0.10036	0.03012	-0.05239	0.25853
0.0727	-0.14472	0.00172	-0.10444	0.02401	-0.06081	0.18958	-0.17861	0.0001
0.00194	0.250777	3.96E-08	-0.07729	0.09526	0.094556	0.0411	-0.1188	0.01018
0.13724	0.127221	0.0059	0.01566	0.73572	0.031351	0.49914	-0.03519	0.44807
0.00189	0.155573	0.00074	0.038615	0.4051	0.00815	0.86056	0.029613	0.52323
4.81E-12	0.377553	2.86E-17	0.003182	0.94533	0.043373	0.34967	0.017416	0.70738
4.51E-17	0.453298	4.81E-25	0.027138	0.55856	-0.00848	0.85492	0.100887	0.02926
0.08152	0.055091	0.23474	-0.06536	0.15847	-0.09599	0.03811	-0.10106	0.02899
0.97166	-0.06129	0.18612	-0.03488	0.45203	-0.0076	0.86984	0.053223	0.25102
8.33E-06	0.304513	1.78E-11	0.076028	0.10081	0.061948	0.18142	-0.10899	0.01847
4.38E-13	0.191917	2.98E-05	0.035196	0.44798	0.024598	0.59596	0.113251	0.01434



0.00312	0.095599	0.03891	-0.08396	0.06987	-0.07501	0.10547	-0.14052	0.00234
0.13568	0.105502	0.0226	-0.01879	0.68545	0.06525	0.15919	0.070095	0.13039
1.34E-10	0.278637	8.95E-10	0.005123	0.91207	-0.06603	0.15426	0.001	0.98281
1.34E-06	0.260992	1.04E-08	0.028985	0.53209	0.02275	0.62386	-0.18534	5.59E-05
0.00148	0.077321	0.09513	-0.09465	0.0409	-0.09986	0.03096	-0.06176	0.18277
0.03125	0.212131	3.75E-06	-0.11751	0.01104	0.074373	0.10846	-0.0892	0.05406
2.89E-06	0.183353	6.73E-05	0.041323	0.37294	0.025335	0.58499	-0.11191	0.01554
1.65E-13	0.385112	5.85E-18	-0.02207	0.63431	0.016375	0.72414	-0.06408	0.16679
8.76E-07	0.311391	5.86E-12	0.074101	0.10977	0.0471	0.30978	0.030355	0.51288
3.28E-06	0.320914	1.20E-12	0.045895	0.32234	0.102505	0.02676	0.06722	0.14695
2.63E-07	0.231275	4.35E-07	-0.02289	0.62177	0.060045	0.19523	0.004481	0.92307
0.14585	0.091435	0.04829	0.018779	0.68565	0.025502	0.58251	0.018651	0.68768
2.57E-31	0.621605	2.87E-51	0.002832	0.95133	0.096946	0.03623	0.098425	0.03347
0.00036	-0.20124	1.18E-05	-0.08424	0.06895	-0.00634	0.89135	-0.22468	9.33E-07
4.02E-18	0.351533	4.97E-15	0.30323	2.18E-11	-0.01877	0.68578	0.028799	0.53472
4.34E-07	0.307968	1.02E-11	0.004539	0.92207	0.030488	0.51103	-0.14222	0.00206
0.22171	-0.05991	0.19626	-0.03628	0.43409	-0.09499	0.04018	-0.16771	0.00027
0.12388	0.167622	0.00027	0.013678	0.76814	-0.03625	0.43446	-0.06568	0.15648
1.08E-19	0.389902	2.10E-18	0.029525	0.52447	0.000743	0.98722	-0.04949	0.28584
3.23E-05	0.219476	1.68E-06	-0.02614	0.57317	0.008481	0.85496	-0.09931	0.03191
4.17E-22	0.448334	1.80E-24	-0.00951	0.8376	0.02837	0.54082	-0.08981	0.05245
2.76E-09	0.180031	9.15E-05	-0.06243	0.17801	-0.06998	0.13101	-0.02894	0.53275
2.08E-17	0.36031	9.20E-16	0.027152	0.55835	0.032639	0.48167	0.067769	0.14367
4.30E-05	0.208753	5.38E-06	0.026081	0.57398	-0.0187	0.68692	-0.2522	3.29E-08
4.59E-32	0.539588	1.22E-36	0.057102	0.21806	0.004574	0.92147	0.047264	0.3081
2.81E-08	0.31714	2.27E-12	-0.07994	0.08441	0.028648	0.53687	-0.068	0.14229
4.48E-13	0.33145	1.95E-13	0.027514	0.55311	0.056249	0.22504	-0.05993	0.19609
0.00154	0.214807	2.81E-06	-0.01262	0.78567	-0.06885	0.13738	0.065905	0.15504
2.75E-22	0.545029	1.73E-37	-0.02314	0.61795	0.035894	0.43902	-0.00196	0.96635
0.00023	0.201087	1.19E-05	0.038946	0.40108	-0.01961	0.67246	-0.155	0.00078
6.31E-07	0.252893	3.01E-08	0.006878	0.88215	-0.01777	0.70175	-0.00758	0.87022
0.43487	0.161515	0.00046	0.02364	0.61036	0.002184	0.96246	-0.19532	2.13E-05
2.22E-27	0.485293	5.79E-29	0.033485	0.47037	0.026839	0.56289	-0.01208	0.79458
0.71448	-0.02528	0.58585	-0.00948	0.83804	-0.07701	0.09647	-0.11708	0.01134
0.60606	0.064146	0.16638	0.064608	0.16335	-0.06903	0.13636	-0.1497	0.00118
0.00216	-0.04099	0.3768	-0.06036	0.19289	0.023423	0.61364	0.051454	0.26714
1.29E-07	0.419992	2.21E-21	0.014999	0.74647	0.107223	0.02047	0.062802	0.17546
0.21264	-0.04398	0.34297	0.029452	0.5255	-0.015	0.74654	-0.12272	0.00793
9.22E-24	0.41361	1.00E-20	-0.01716	0.71149	0.017388	0.70783	-0.0611	0.18746
2.11E-07	0.259118	1.33E-08	-0.09113	0.04904	0.015904	0.73176	-0.12321	0.00769
4.17E-16	0.356893	1.79E-15	-0.00819	0.85986	0.013261	0.77501	-0.07505	0.10526
2.67E-05	0.238482	1.84E-07	-0.0085	0.85472	-0.03428	0.45984	-0.03123	0.50073
0.00103	0.161942	0.00044	-0.02755	0.55253	-0.05809	0.21022	-0.14863	0.00128
0.23275	-0.11774	0.01088	0.030126	0.51606	-0.06017	0.19429	-0.11219	0.01528
5.87E-08	-0.29433	8.72E-11	0.038571	0.40563	-0.0182	0.69487	-0.06921	0.1353

0.19626	0.046127	0.31989	0.034422	0.45803	0.005731	0.9017	-0.04911	0.28956
3.97E-05	-0.20649	6.83E-06	-0.01201	0.79577	-0.0142	0.75952	-0.01398	0.76316
8.90E-12	-0.36053	8.81E-16	0.029019	0.5316	-0.00535	0.90819	-0.01644	0.72314
0.00099	-0.20928	5.09E-06	-0.00861	0.85281	-0.01802	0.69777	-0.01869	0.68707
1.55E-05	-0.22657	7.51E-07	0.018523	0.68971	-0.04214	0.36358	-0.06862	0.13872
0.0001	-0.18475	5.91E-05	-0.04833	0.29731	0.005073	0.91293	-0.06409	0.16672
0.01363	-0.14446	0.00175	0.032318	0.48599	0.010292	0.82446	-0.10512	0.0231
0.00123	-0.21021	4.61E-06	0.010557	0.82002	0.00599	0.89727	-0.09629	0.03751
1.96E-05	-0.21397	3.08E-06	0.016119	0.72828	-0.00238	0.95901	-0.0587	0.20544
9.71E-05	-0.15369	0.00086	-0.00478	0.91787	-0.00169	0.97088	-0.01236	0.78987
7.56E-05	-0.16051	0.0005	-0.00124	0.97861	0.002758	0.95261	-0.03784	0.41458
2.82E-05	-0.19986	1.35E-05	-0.02877	0.53509	-0.00064	0.98895	-0.14161	0.00216
0.00022	0.261868	9.22E-09	0.027926	0.54718	-0.044	0.34278	-0.03243	0.48452
1.71E-07	0.215872	2.50E-06	0.038885	0.40182	-0.09114	0.04904	-0.03116	0.5018
0.00145	0.163867	0.00038	0.044766	0.33439	-0.04366	0.3465	0.050308	0.27795
1.44E-24	0.50626	9.14E-32	0.020083	0.66511	0.037074	0.42411	-0.15048	0.00111
3.38E-06	0.190462	3.43E-05	-0.02379	0.60805	0.004723	0.91893	-0.1634	0.00039
0.33684	-0.09984	0.031	-0.07739	0.09483	-0.06068	0.19053	-0.20457	8.34E-06
0.01102	0.114411	0.01336	-0.01606	0.72925	-0.02449	0.59755	-0.02738	0.5551
8.88E-34	0.514824	5.75E-33	-0.01348	0.77141	0.092902	0.04479	0.07465	0.10715
4.13E-16	0.301482	2.87E-11	-0.0964	0.03729	-0.03615	0.43582	-0.0541	0.24324
0.89936	-0.07327	0.11383	-0.0397	0.39201	-0.05011	0.27989	-0.08829	0.05656
1.22E-21	0.434315	6.60E-23	0.034911	0.45167	0.039167	0.39841	0.041565	0.37015
0.00763	0.149734	0.00117	0.266512	4.91E-09	0.059172	0.20181	0.055048	0.2351
0.01978	0.109079	0.01838	-0.06622	0.15305	-0.0557	0.22956	-0.23821	1.90E-07
1.34E-07	0.372509	8.08E-17	-0.04757	0.30501	-0.01767	0.70326	-0.03772	0.41614
1.93E-08	0.330347	2.36E-13	0.011198	0.80928	0.126065	0.00637	0.111368	0.01605
0.02525	0.112239	0.01524	-0.02922	0.52877	-0.02881	0.53452	-0.00212	0.96358
4.71E-23	0.458676	1.13E-25	-0.0671	0.14765	-0.00182	0.96871	0.03505	0.44986
0.03254	0.161623	0.00045	0.042107	0.36393	-0.00024	0.99579	-0.0426	0.3583
0.80522	-0.00593	0.89823	-0.10843	0.01908	-0.04232	0.36149	-0.06774	0.14386
0.00725	0.170219	0.00022	0.013626	0.76899	-0.04548	0.32677	-0.06236	0.17856
4.69E-17	0.315283	3.09E-12	-0.00821	0.85951	0.098624	0.03311	-0.00024	0.99581
1.32E-19	0.378111	2.55E-17	0.025297	0.58556	0.056796	0.22055	0.096248	0.0376
0.00486	0.11992	0.00949	-0.09673	0.03666	0.038663	0.40451	-0.04676	0.31326
0.31511	-0.06285	0.17515	-0.06033	0.19312	-0.01647	0.72256	-0.12368	0.00745
0.24068	0.028193	0.54336	-0.12451	0.00706	0.022469	0.62815	-0.10586	0.02214
0.00361	0.188121	4.29E-05	-0.05072	0.27407	-0.02277	0.62353	-0.05081	0.27321
0.44652	0.005066	0.91305	-0.06443	0.16448	-0.08684	0.06078	-0.11259	0.01492
1.58E-50	0.68133	5.30E-65	0.056153	0.22582	0.094953	0.04026	0.096821	0.03647
1.55E-09	0.36523	3.49E-16	0.089257	0.05391	0.115686	0.01236	0.142458	0.00203
8.48E-32	0.542658	4.07E-37	0.060168	0.19431	0.044648	0.33568	0.123193	0.00769
1.65E-09	0.350669	5.86E-15	0.046649	0.31444	0.071735	0.12161	-0.05516	0.23416
1.57E-05	0.245335	7.88E-08	0.124761	0.00695	0.062261	0.17922	0.040872	0.37818
0.00614	-0.04079	0.37913	0.026854	0.56267	-0.08115	0.07981	-0.08328	0.07217

4.29E-12	0.293178	1.04E-10	-0.03462	0.45548	-0.02502	0.58962	-0.06835	0.14024
0.23687	-0.04795	0.30112	-0.0466	0.31498	-0.06529	0.15894	-0.04964	0.28442
7.65E-20	0.460445	6.96E-26	0.085506	0.06486	0.074433	0.10818	0.085082	0.0662
0.329	0.194061	2.41E-05	-0.02558	0.5814	0.044346	0.33896	-0.00308	0.94713
2.39E-09	0.146204	0.00153	-0.03189	0.49183	-0.03853	0.4061	0.022565	0.62669
0.07674	0.004339	0.92549	0.167473	0.00028	0.006322	0.89162	-0.06655	0.15103
0.10723	-0.12681	0.00607	-0.07608	0.10059	-0.09341	0.04362	-0.14938	0.00121
2.29E-14	0.374134	5.80E-17	0.061018	0.18807	0.068209	0.14108	0.026493	0.56794
1.01E-06	0.299888	3.69E-11	-0.05281	0.25474	0.101641	0.02807	-0.03827	0.40933
0.42221	0.125483	0.00662	-0.05899	0.20324	0.066528	0.15117	0.019521	0.67392
1.95E-05	0.32424	6.82E-13	0.00314	0.94605	0.060077	0.19499	-0.13157	0.0044
2.56E-21	0.436953	3.39E-23	0.058758	0.20499	0.04033	0.38454	0.116878	0.01148
4.28E-07	0.226174	7.86E-07	-0.02905	0.53112	0.03104	0.5034	0.063814	0.16859
5.09E-05	0.205609	7.49E-06	0.007291	0.87514	0.049706	0.28375	-0.09951	0.03156
0.86405	-0.02104	0.65011	-0.08231	0.07556	0.056223	0.22525	0.06213	0.18014
0.07985	0.075528	0.10308	-0.07884	0.08879	-0.05893	0.20363	-0.03433	0.45918
3.97E-12	0.305664	1.48E-11	0.116139	0.01202	0.086836	0.06079	0.046698	0.31393
1.41E-06	0.162156	0.00043	0.026985	0.56078	0.054839	0.23689	0.0485	0.29561
0.96488	-0.02585	0.57739	-0.07607	0.10063	-0.07603	0.10082	-0.19403	2.42E-05
0.64363	-0.05298	0.25319	-0.01322	0.77565	-0.02626	0.57136	0.022204	0.63221
3.32E-12	0.232141	3.92E-07	0.090476	0.0507	-0.04548	0.32671	0.031894	0.49173
1.34E-09	0.293179	1.04E-10	0.032159	0.48814	0.04535	0.32812	-0.11827	0.01053
4.75E-13	0.457844	1.41E-25	0.08845	0.05613	0.095463	0.03919	-0.03136	0.49903
1.24E-12	0.324672	6.33E-13	-0.0602	0.1941	0.029361	0.52678	-0.09149	0.04816
1.02E-09	0.283965	4.13E-10	0.037298	0.42132	0.011899	0.7976	-0.14512	0.00167
0.1409	-0.01982	0.66917	0.006341	0.89129	-0.05969	0.19786	-0.11019	0.01721
8.36E-06	0.203629	9.20E-06	0.053363	0.24977	-0.01871	0.68674	-0.01692	0.71541
0.00375	0.241603	1.25E-07	0.095279	0.03957	-0.02092	0.65199	-0.18032	8.91E-05
0.00119	0.149348	0.00121	-0.03155	0.49641	-0.07981	0.08492	-0.12456	0.00704
0.10842	0.014167	0.76009	-0.08789	0.05771	-0.04075	0.37959	-0.0172	0.71085
0.00061	0.227376	6.85E-07	0.0289	0.5333	-0.00324	0.94436	-0.16663	0.0003
5.89E-05	0.323603	7.60E-13	0.001968	0.96616	0.058632	0.20596	-0.0821	0.07631
0.9166	0.027573	0.55226	-0.07829	0.09104	-0.10266	0.02652	-0.12031	0.00926
0.00444	0.153794	0.00085	-0.11647	0.01177	-0.08822	0.05677	-0.03512	0.44899
0.15619	0.093724	0.04293	0.043019	0.35362	-0.01472	0.75098	0.035125	0.4489
3.11E-21	0.479862	2.87E-28	-0.00138	0.97623	0.053476	0.24876	0.040486	0.38271
0.00265	0.32872	3.14E-13	0.107721	0.01989	0.106469	0.02138	0.009114	0.84427
0.02463	0.114069	0.01364	-0.03679	0.42774	-0.06265	0.17649	-0.15339	0.00088
5.78E-06	0.261871	9.22E-09	-0.16215	0.00043	0.026466	0.56833	-0.04706	0.31014
1.65E-08	0.255301	2.20E-08	-0.01943	0.67544	0.017251	0.71003	-0.02187	0.63733
3.45E-12	0.353966	3.13E-15	0.01157	0.80308	0.042223	0.3626	-0.0884	0.05627
2.66E-31	0.617066	2.41E-50	0.132013	0.00427	0.091134	0.04904	0.12139	0.00864
1.60E-07	0.252951	2.99E-08	0.011913	0.79737	-0.06396	0.1676	-0.08966	0.05284
0.21636	0.060775	0.18984	-0.00852	0.85439	0.085245	0.06568	-0.08278	0.0739
0.7392	-0.00883	0.84907	-0.03861	0.40516	-0.1069	0.02086	-0.08034	0.08286

0.00104	0.125361	0.00668	-0.01617	0.72749	-0.02719	0.55776	-0.11969	0.00963
0.06664	-0.09418	0.04193	-0.06871	0.13816	-0.00335	0.94242	-0.20671	6.67E-06
0.07017	0.118529	0.01036	-0.00865	0.85206	-0.06768	0.14421	-0.1601	0.00051
6.42E-05	0.167309	0.00028	-0.03224	0.48699	0.018808	0.68519	-0.12072	0.00902
2.37E-18	0.366247	2.85E-16	0.038176	0.41046	0.058116	0.20999	-0.01048	0.82136
0.12415	0.001853	0.96814	0.078249	0.09121	0.003272	0.94378	-0.13783	0.00284
9.51E-10	0.359913	9.95E-16	0.028006	0.54603	0.051896	0.26304	-0.04985	0.28239
1.51E-13	0.373165	7.07E-17	0.026874	0.56239	0.038089	0.41153	-0.01507	0.74537
1.85E-07	0.291728	1.30E-10	-0.02473	0.59398	0.025583	0.58131	0.053317	0.25017
0.23059	0.105031	0.02321	-0.06332	0.17191	0.058131	0.20987	-0.21849	1.87E-06
3.37E-08	0.307522	1.10E-11	0.067928	0.14273	0.021567	0.64202	0.1022	0.02721
0.49007	0.029976	0.51816	-0.01087	0.8148	-0.02871	0.53605	-0.08871	0.05541
0.3449	0.009876	0.83143	0.004301	0.92614	0.011006	0.8125	-0.05492	0.2362
3.95E-07	0.266223	5.11E-09	0.070714	0.12702	-0.01205	0.79502	-0.0692	0.13537
1.71E-06	0.161781	0.00045	-0.05155	0.26628	-0.0416	0.36972	0.000255	0.99561
3.09E-07	0.154502	0.00081	-0.0589	0.20392	-0.04424	0.34007	-0.05633	0.22435
0.00137	0.18991	3.62E-05	-0.19127	3.17E-05	0.026783	0.56371	-0.07264	0.11698
0.08743	0.079502	0.08613	-0.10994	0.01747	-0.04345	0.34886	-0.10715	0.02056
2.22E-12	0.338923	5.13E-14	0.031338	0.49931	0.110077	0.01733	-0.16607	0.00031
0.28447	0.068333	0.14036	-0.04731	0.30763	-0.04852	0.29541	-0.08437	0.06851
0.05131	0.169083	0.00024	0.018332	0.69275	0.116484	0.01177	0.175665	0.00014
0.68103	0.070307	0.12923	0.005655	0.903	0.0007	0.98797	-0.07141	0.12334
0.00012	-0.05539	0.23223	0.067107	0.14763	0.045196	0.32977	-0.15975	0.00053
1.12E-06	0.379798	1.80E-17	0.093717	0.04294	0.136518	0.00312	0.070325	0.12913
4.30E-14	0.480521	2.37E-28	-0.01234	0.79027	0.129819	0.00496	0.07439	0.10838
1.45E-18	0.482596	1.29E-28	-0.02057	0.65753	0.057531	0.21463	0.095776	0.03855
3.25E-08	0.315659	2.90E-12	0.014104	0.76114	0.105202	0.02299	0.195222	2.15E-05
2.05E-15	0.458395	1.22E-25	-0.00291	0.95004	0.021458	0.64371	0.127468	0.00581
8.53E-39	0.760272	3.70E-89	0.05802	0.21074	0.129609	0.00503	0.172733	0.00018
0.0094	0.23596	2.49E-07	-0.00829	0.85815	0.059729	0.19759	0.078458	0.09035
0.03987	0.157995	0.00061	0.029389	0.52639	0.014454	0.75539	0.013446	0.77197
0.03293	0.246404	6.89E-08	0.067703	0.14406	0.115555	0.01246	0.041194	0.37444
1.79E-09	0.443042	7.14E-24	0.103571	0.02521	0.125277	0.00671	0.057349	0.21608
2.94E-05	0.3014	2.91E-11	-0.04008	0.38746	0.016165	0.72752	0.063599	0.17004
0.00906	-0.06377	0.16888	-0.07962	0.08568	-0.01458	0.7534	0.076113	0.10042
0.00229	0.278519	9.11E-10	0.03094	0.50478	0.035922	0.43866	-0.0837	0.07075
0.02271	-0.06409	0.16676	-0.09677	0.03657	-0.03185	0.49237	-0.02803	0.54563
3.72E-06	0.379024	2.11E-17	-0.04043	0.3834	0.074963	0.10569	0.039995	0.38851
3.85E-06	0.385051	5.93E-18	-0.01091	0.81404	0.103751	0.02495	0.091387	0.04841
0.4368	0.046457	0.31644	-0.03014	0.51591	0.036176	0.43543	0.001645	0.97171
4.11E-12	0.404923	7.47E-20	0.022745	0.62394	0.025316	0.58527	0.008315	0.85778
4.36E-08	0.412381	1.34E-20	-0.02436	0.59959	0.135121	0.00344	0.031576	0.49605
1.54E-09	0.423109	1.05E-21	-0.00281	0.95165	0.11742	0.0111	0.048826	0.29237
5.62E-05	0.329436	2.77E-13	-0.02461	0.59581	0.089161	0.05417	0.030891	0.50546
1.62E-16	0.504794	1.46E-31	-0.04435	0.33888	0.15217	0.00097	0.020758	0.65456

0.00325	0.230368	4.83E-07	0.039256	0.39734	0.214495	2.91E-06	0.125606	0.00657
0.00012	-0.10379	0.0249	-0.02811	0.54455	0.053834	0.2456	0.013997	0.76289
8.80E-05	0.3123	5.05E-12	0.045924	0.32203	0.065647	0.15667	0.11024	0.01716
0.00021	-0.12293	0.00783	-0.09576	0.03859	0.013353	0.7735	0.027683	0.55068
8.85E-06	0.363557	4.87E-16	0.12037	0.00922	0.113838	0.01384	0.103839	0.02483
4.06E-09	0.274054	1.72E-09	-0.05565	0.23006	0.025771	0.57854	0.037349	0.42068
0.06767	-0.00017	0.99713	0.010356	0.82338	-0.01918	0.67937	-0.09639	0.03732
0.09778	0.210949	4.26E-06	-0.0303	0.51357	0.055943	0.22757	0.017872	0.70009
5.77E-05	0.41006	2.30E-20	0.187097	4.73E-05	0.152563	0.00094	0.129463	0.00508
1.14E-11	0.359351	1.11E-15	-0.02327	0.61596	-0.06312	0.17331	0.06453	0.16386
0.07419	0.208234	5.69E-06	0.057626	0.21386	0.058438	0.20747	0.034302	0.45961
0.09738	0.177673	0.00011	-0.03431	0.45949	0.072576	0.11729	0.08466	0.06757
0.00018	0.316381	2.57E-12	0.03548	0.44432	0.058555	0.20656	0.074545	0.10765
0.28802	0.131363	0.00446	-0.0388	0.40284	0.065892	0.15512	0.093501	0.04343
0.00189	0.220153	1.56E-06	0.09062	0.05034	0.035908	0.43884	-0.06342	0.17124
0.06345	0.017959	0.69869	0.05867	0.20567	0.002797	0.95193	0.101047	0.02901
2.12E-11	0.446789	2.70E-24	0.004904	0.91582	0.046853	0.31233	0.252794	3.05E-08
1.25E-10	0.394707	7.35E-19	-0.0072	0.87666	0.03368	0.46779	0.087676	0.05832
1.21E-19	0.548016	5.83E-38	0.102903	0.02617	0.076552	0.09848	0.132867	0.00402
0.00054	0.335479	9.53E-14	-0.01651	0.72202	0.075854	0.10159	0.226645	7.45E-07
5.57E-06	0.364902	3.73E-16	0.01469	0.75153	0.136358	0.00315	0.07071	0.12704
0.81394	0.085134	0.06604	0.033053	0.47612	-0.00924	0.84215	0.006539	0.88793
0.70049	0.100014	0.0307	0.083865	0.07019	0.157003	0.00066	0.085184	0.06588
6.71E-12	0.512193	1.36E-32	0.056872	0.21993	0.104725	0.02362	0.105526	0.02257
2.30E-05	0.328726	3.14E-13	0.013642	0.76874	0.071161	0.12463	0.084254	0.06889
0.02745	0.275586	1.39E-09	0.045329	0.32834	0.072457	0.1179	0.097829	0.03456
2.59E-11	0.379736	1.82E-17	0.007687	0.86841	0.02082	0.65359	0.012944	0.78026
0.00667	0.246414	6.88E-08	0.023636	0.61042	0.182319	7.41E-05	0.087555	0.05867
0.05934	0.181318	8.13E-05	0.093244	0.04401	0.044748	0.33459	0.057933	0.21143
2.23E-17	0.513907	7.76E-33	0.020164	0.66384	0.066199	0.15321	0.203492	9.33E-06
0.00011	0.352496	4.15E-15	0.147439	0.0014	0.150006	0.00115	0.139832	0.00246
0.0003	0.314319	3.62E-12	-0.02442	0.59865	0.01112	0.81058	0.242024	1.19E-07
0.01236	0.185929	5.29E-05	-0.13075	0.00465	-0.0214	0.64454	0.017635	0.70387
0.14354	0.143844	0.00183	0.069483	0.13379	-0.03049	0.51105	0.018418	0.69139
0.65793	0.036168	0.43553	-0.07513	0.10491	0.010801	0.81592	-0.21055	4.44E-06
8.21E-08	0.393814	8.94E-19	0.034382	0.45856	-0.06505	0.16051	0.179652	9.47E-05
0.03158	0.185685	5.41E-05	-0.09393	0.04247	0.068339	0.14032	-0.0084	0.85625
0.24425	0.076612	0.09821	0.001302	0.97761	0.040102	0.38724	-0.04747	0.30603
3.13E-06	0.331765	1.84E-13	0.048002	0.3006	0.003381	0.94191	0.045932	0.32195
0.00145	0.325454	5.53E-13	0.012667	0.78484	0.075274	0.10424	0.064123	0.16653
0.00615	0.263477	7.43E-09	0.052713	0.25559	0.084601	0.06776	0.113015	0.01454
3.00E-57	0.68229	3.00E-65	0.059976	0.19574	0.163401	0.00039	0.048133	0.29928
4.03E-16	-0.4656	1.67E-26	0.024852	0.59217	-0.05607	0.22655	0.078277	0.0911
9.46E-31	0.431856	1.22E-22	-0.01637	0.7242	1.84E-05	0.99968	0.232813	3.62E-07
2.07E-87	0.741792	1.03E-82	0.048575	0.29486	0.097976	0.03428	0.206021	7.17E-06

4.41E-44	0.634096	6.83E-54	0.015454	0.73907	0.079396	0.08655	0.141629	0.00216
7.60E-35	-0.61668	2.89E-50	-0.08446	0.06821	-0.0691	0.13594	-0.16214	0.00044
5.24E-13	0.224443	9.59E-07	0.060489	0.19194	0.013618	0.76912	0.182248	7.46E-05
1.25E-47	0.555753	3.31E-39	0.016475	0.72251	-0.00596	0.89773	0.132258	0.0042
5.25E-47	0.625934	3.65E-52	0.073362	0.11336	0.062882	0.17491	-0.0239	0.60644
2.21E-09	0.148319	0.00131	0.057155	0.21764	0.05159	0.26587	-0.06911	0.13591
1.50E-30	0.405992	5.86E-20	0.030168	0.51547	0.004139	0.92892	0.121181	0.00876
2.21E-18	0.349281	7.61E-15	0.038682	0.40428	-0.10508	0.02314	0.039739	0.39155
6.50E-42	0.486546	3.99E-29	-0.01359	0.76955	-0.01614	0.728	0.13376	0.00378
2.83E-77	0.751478	5.07E-86	0.05035	0.27755	0.046904	0.3118	0.140925	0.00227
1.59E-41	0.634762	4.91E-54	0.046311	0.31797	0.106157	0.02177	0.185114	5.71E-05
1.04E-49	0.530706	2.75E-35	0.097551	0.03508	0.051225	0.26928	0.079668	0.08548
6.26E-29	0.534082	8.51E-36	-0.04429	0.33958	0.073704	0.11169	0.213419	3.27E-06
4.48E-09	0.139085	0.00259	-0.13892	0.00262	0.009435	0.83887	-0.0968	0.03652
4.96E-27	0.563072	2.05E-40	0.181501	7.99E-05	0.039213	0.39785	0.025065	0.589
5.46E-26	0.322454	9.25E-13	0.045894	0.32235	0.000985	0.98307	0.124645	0.007
2.51E-25	0.516167	3.70E-33	0.125757	0.00651	0.089841	0.05236	-0.0112	0.80933
1.58E-11	0.348252	9.22E-15	-0.01788	0.69998	0.043358	0.34984	0.173478	0.00016
5.80E-48	0.70146	2.11E-70	0.113118	0.01445	0.16827	0.00026	0.130071	0.00487
2.10E-43	0.6447	3.24E-56	0.047853	0.3021	0.079161	0.08749	0.120711	0.00902
3.24E-39	0.500664	5.35E-31	0.079106	0.08771	-0.02361	0.61075	0.177345	0.00012
5.97E-43	0.59033	3.40E-45	-0.0502	0.27899	0.092212	0.04641	0.031473	0.49746
1.75E-44	0.608389	1.28E-48	-0.03713	0.42343	0.02578	0.57841	0.190815	3.31E-05
7.97E-28	0.427258	3.81E-22	0.033284	0.47304	0.026774	0.56384	0.188944	3.97E-05
3.92E-46	0.655384	1.19E-58	0.126669	0.00612	0.082357	0.0754	0.076315	0.09952
2.91E-14	0.33938	4.72E-14	0.096234	0.03763	0.051793	0.26399	0.038312	0.40879
1.75E-54	0.774875	1.12E-94	0.085427	0.06511	0.073437	0.11299	0.14331	0.0019
3.33E-21	0.554347	5.61E-39	0.026375	0.56967	0.099643	0.03133	0.018044	0.69733
3.69E-22	0.357008	1.75E-15	-0.02415	0.6027	0.03322	0.47389	-0.00226	0.96118
2.52E-13	0.399673	2.44E-19	0.103886	0.02476	0.022368	0.62971	0.061948	0.18142
4.39E-34	0.534125	8.38E-36	0.049196	0.28873	0.055937	0.22762	0.165482	0.00033
2.91E-34	0.605469	4.74E-48	0.071652	0.12205	0.093712	0.04295	0.061992	0.18111
2.41E-53	0.5572	1.92E-39	-0.01952	0.67401	0.065583	0.15707	0.223049	1.12E-06
1.90E-33	0.503493	2.20E-31	0.112751	0.01478	0.045892	0.32238	0.319742	1.46E-12
4.10E-16	0.415001	7.25E-21	-0.03321	0.47402	0.091266	0.04871	-0.06866	0.13846
2.82E-20	0.482296	1.41E-28	0.036984	0.42524	0.039313	0.39666	0.198655	1.53E-05
1.45E-16	-0.37751	2.89E-17	-0.02585	0.57737	0.060124	0.19464	0.03506	0.44973
5.51E-27	0.531865	1.84E-35	0.093437	0.04357	0.262829	8.11E-09	0.204477	8.42E-06
5.12E-17	0.338401	5.64E-14	0.024665	0.59495	-0.06394	0.16777	-0.04231	0.36159
1.81E-57	0.586863	1.46E-44	0.032111	0.48878	0.044261	0.33989	0.123227	0.00768
9.40E-18	0.374116	5.82E-17	-0.05212	0.26102	0.0566	0.22215	0.089369	0.05361
5.06E-07	0.20928	5.09E-06	0.027969	0.54656	-0.04449	0.33743	0.157336	0.00064
3.10E-29	0.498798	9.56E-31	-0.04371	0.34598	0.0337	0.46753	0.051711	0.26475
3.49E-44	0.59125	2.30E-45	0.058409	0.20769	0.064377	0.16486	0.089329	0.05372
5.09E-52	0.652271	6.23E-58	0.075577	0.10285	0.075018	0.10543	0.185031	5.76E-05

2.01E-56	0.617308	2.15E-50	0.018649	0.68772	0.055701	0.22959	0.082563	0.07467
5.06E-27	0.434008	7.13E-23	0.000958	0.98352	-0.00535	0.90827	-0.02131	0.64599
3.52E-26	0.475707	9.57E-28	0.028511	0.53881	0.039268	0.3972	0.041547	0.37034
7.81E-30	0.407183	4.46E-20	-0.03314	0.47502	0.077315	0.09515	0.06398	0.16748
4.23E-37	0.513918	7.73E-33	0.054681	0.23825	-0.00801	0.86295	0.112607	0.0149
5.53E-24	0.45048	1.02E-24	0.062506	0.17751	0.166891	0.00029	0.069587	0.13321
6.43E-65	0.757754	3.02E-88	0.087071	0.06009	0.089564	0.05309	0.226899	7.23E-07
1.07E-70	0.729241	1.21E-78	0.04342	0.34915	0.141538	0.00217	0.30363	2.04E-11
3.48E-30	0.415707	6.13E-21	0.009437	0.83882	-0.03831	0.40878	0.060344	0.193
4.15E-26	0.542594	4.17E-37	0.095683	0.03874	0.105363	0.02278	0.030316	0.51341
1.43E-26	0.47352	1.79E-27	0.122042	0.00829	0.002801	0.95185	-0.05626	0.22496
5.29E-22	0.508089	5.10E-32	-0.01211	0.79403	0.15815	0.0006	-0.04452	0.33701
9.94E-14	0.27776	1.02E-09	0.042171	0.3632	0.010909	0.81412	0.058888	0.20398
5.58E-23	0.52155	6.19E-34	0.09137	0.04846	0.097155	0.03583	0.071335	0.12371
8.69E-55	0.669754	4.34E-62	0.037091	0.42391	0.053605	0.24762	-0.01897	0.68265
9.62E-32	0.369787	1.40E-16	0.017571	0.70489	0.013333	0.77383	0.107676	0.01994
2.99E-49	0.650727	1.41E-57	0.09417	0.04194	0.120463	0.00917	0.104059	0.02452
7.08E-36	0.527799	7.47E-35	-0.02184	0.63776	0.099191	0.03211	0.060127	0.19461
4.15E-49	0.713057	1.01E-73	0.055034	0.23522	0.078104	0.09182	0.079304	0.08692
3.83E-20	0.363949	4.50E-16	0.011012	0.8124	0.009991	0.82951	0.113228	0.01436
9.38E-44	0.593671	8.21E-46	-0.019	0.68218	0.027703	0.55039	0.177413	0.00012
1.04E-28	0.448208	1.86E-24	-0.02698	0.56087	0.025741	0.57898	0.098912	0.0326
7.61E-29	0.478291	4.53E-28	0.000754	0.98704	-0.01776	0.70187	0.175414	0.00014
6.62E-36	0.527255	8.99E-35	0.047116	0.30962	0.058457	0.20732	0.021109	0.64912
5.04E-46	0.546203	1.13E-37	0.105371	0.02277	0.039595	0.39327	0.263083	7.83E-09
4.80E-17	0.261697	9.44E-09	-0.0167	0.71887	-0.03909	0.39936	0.089337	0.0537
1.11E-17	0.369519	1.48E-16	0.030193	0.51513	-0.04698	0.31101	0.068816	0.13757
4.67E-46	0.5924	1.41E-45	0.080544	0.08208	0.029635	0.52293	0.272304	2.20E-09
2.33E-54	0.649739	2.37E-57	0.047847	0.30217	0.135364	0.00338	0.111588	0.01584
9.25E-18	0.483364	1.03E-28	-0.00528	0.90932	0.145964	0.00156	0.121909	0.00836
2.09E-28	0.571835	6.65E-42	0.053899	0.24504	0.005333	0.9085	0.107844	0.01975
4.23E-20	0.283354	4.51E-10	0.008662	0.85191	-0.00052	0.99112	0.246778	6.58E-08
1.55E-29	0.456169	2.23E-25	0.035253	0.44725	0.104788	0.02353	0.043326	0.3502
1.83E-64	0.652608	5.22E-58	0.0681	0.14172	0.038947	0.40106	0.093226	0.04405
6.41E-34	0.564209	1.32E-40	-0.01199	0.79607	0.082414	0.0752	0.1026	0.02662
1.59E-29	0.475669	9.68E-28	-0.0669	0.14887	-0.0279	0.54762	0.167048	0.00029
1.53E-14	0.356423	1.96E-15	-0.03751	0.41864	-0.112	0.01545	0.02674	0.56433
1.12E-13	0.337732	6.36E-14	0.074008	0.11021	0.105027	0.02322	0.238788	1.77E-07
8.89E-14	-0.34339	2.27E-14	-0.15224	0.00097	-0.15788	0.00062	-0.01597	0.73075
6.36E-72	0.71181	2.34E-73	0.013998	0.76288	0.088864	0.05498	0.150652	0.00109
1.91E-14	0.330665	2.24E-13	-0.08717	0.05978	0.05411	0.24319	-0.05757	0.21433
4.52E-52	0.6715	1.61E-62	0.029328	0.52724	0.067016	0.14819	0.100351	0.03014
2.16E-39	0.686461	2.46E-66	0.020093	0.66494	0.1096	0.01782	0.113525	0.0141
6.35E-41	0.584763	3.51E-44	0.034759	0.45364	0.141678	0.00215	0.030909	0.50521
3.96E-28	0.4711	3.57E-27	0.00605	0.89626	0.000603	0.98964	0.082745	0.07403

1.50E-13	0.448551	1.70E-24	-0.02344	0.61334	0.044253	0.33997	-0.09471	0.04077
6.83E-15	0.31366	4.04E-12	0.048691	0.2937	-0.03373	0.46712	0.100114	0.03053
2.92E-37	0.491118	1.01E-29	-0.03208	0.48924	-0.02306	0.61915	0.143636	0.00186
4.23E-22	0.347231	1.12E-14	0.028075	0.54505	0.040619	0.38114	0.027722	0.55012
1.57E-59	0.715345	2.13E-74	0.164127	0.00037	0.120735	0.00901	0.024085	0.60364
3.30E-21	0.449035	1.49E-24	-0.02566	0.58019	-0.00893	0.84733	-0.09543	0.03926
1.46E-38	0.529565	4.07E-35	0.051051	0.27091	0.011362	0.80654	0.093247	0.044
3.74E-23	0.460286	7.27E-26	0.01832	0.69293	0.060117	0.19469	0.076052	0.1007
7.74E-20	0.388751	2.69E-18	0.036377	0.43288	0.012648	0.78516	0.053885	0.24516
9.81E-16	0.375247	4.61E-17	0.014927	0.74765	0.043441	0.34891	-0.07107	0.12511
7.90E-65	0.725746	1.49E-77	0.014518	0.75434	0.061943	0.18145	0.161177	0.00047
1.97E-07	0.122723	0.00793	-0.04961	0.28472	0.003106	0.94662	0.081384	0.07893
6.07E-29	0.565836	7.02E-41	0.013924	0.76409	0.127128	0.00594	0.056624	0.22195
9.30E-48	0.648138	5.47E-57	0.046103	0.32015	0.12602	0.00639	0.03331	0.4727
2.09E-48	0.624783	6.33E-52	-0.01469	0.75151	0.080932	0.08061	0.014255	0.75865
2.55E-29	0.539001	1.50E-36	0.203091	9.72E-06	0.136996	0.00301	0.216044	2.45E-06
4.27E-20	0.458125	1.31E-25	0.126749	0.00609	0.101007	0.02907	0.155571	0.00074
6.40E-21	0.537115	2.93E-36	0.014364	0.75686	0.022696	0.6247	0.078871	0.08866
3.22E-34	0.539709	1.17E-36	-0.00087	0.98503	0.097272	0.0356	0.245894	7.35E-08
6.40E-45	0.524346	2.42E-34	0.024329	0.59998	0.102997	0.02603	0.161989	0.00044
1.84E-17	0.469936	4.97E-27	0.041053	0.37607	0.100246	0.03031	-0.06491	0.16136
1.85E-08	0.197145	1.78E-05	-0.01567	0.73548	-0.00083	0.98572	-0.12356	0.00751
1.93E-55	0.639069	5.70E-55	0.086853	0.06074	0.079514	0.08609	0.067876	0.14304
6.11E-33	0.558127	1.35E-39	0.029062	0.531	0.116425	0.01181	0.255804	2.06E-08
1.57E-22	0.333064	1.46E-13	-0.04472	0.33489	-0.08815	0.05697	-0.04568	0.32465
2.84E-21	0.434516	6.28E-23	0.012081	0.79456	0.009534	0.83719	0.081139	0.07984
1.27E-11	-0.33539	9.69E-14	-0.0183	0.6932	-0.11361	0.01403	-0.1958	2.03E-05
1.11E-67	0.80158	#####	0.050715	0.27408	0.124564	0.00704	0.128262	0.00551
1.22E-77	0.738668	1.11E-81	0.174177	0.00016	0.11966	0.00965	0.176027	0.00013
4.07E-15	0.429855	2.01E-22	0.085019	0.06641	0.04174	0.36813	-0.04706	0.31015
5.35E-56	0.684995	5.95E-66	0.035259	0.44716	0.121092	0.00881	0.185837	5.33E-05
6.77E-12	0.216765	2.27E-06	-0.00477	0.91806	0.032538	0.48302	-0.10969	0.01773
6.88E-32	0.496322	2.06E-30	-0.03484	0.45256	0.05182	0.26374	0.037782	0.41532
1.18E-66	0.755776	1.54E-87	0.074303	0.1088	0.103217	0.02571	0.18347	6.66E-05
2.26E-59	0.784605	1.36E-98	0.062119	0.18021	0.145032	0.00168	0.163639	0.00038
4.04E-39	0.462736	3.71E-26	-0.05242	0.25826	-0.01325	0.77521	0.130603	0.0047
2.31E-16	0.388761	2.68E-18	0.002845	0.95111	-0.0053	0.90913	0.050552	0.27562
7.43E-34	0.476329	8.00E-28	0.096458	0.03718	-0.01439	0.75648	0.14453	0.00174
1.48E-13	0.333124	1.45E-13	0.068109	0.14167	0.018633	0.68797	-0.13028	0.00481
5.26E-34	0.591281	2.27E-45	0.030892	0.50545	0.006387	0.89051	0.090709	0.05011
4.44E-42	0.612049	2.43E-49	0.003714	0.9362	0.061495	0.18464	0.343723	2.14E-14
8.25E-37	0.60256	1.72E-47	0.071936	0.12057	0.09171	0.04762	0.027254	0.55688
9.33E-24	0.45341	4.67E-25	-0.00667	0.88576	0.023498	0.61251	0.035915	0.43876
3.67E-17	0.411463	1.66E-20	-0.00106	0.98173	-0.01788	0.70002	-0.0337	0.46754
1.81E-44	0.601201	3.14E-47	0.073307	0.11364	0.070548	0.12792	0.233968	3.16E-07



2.83E-40	0.513164	9.89E-33	0.015808	0.73332	-0.01617	0.72747	0.080395	0.08265
0.03968	0.213241	3.33E-06	-0.05321	0.2511	0.072232	0.11905	-0.16727	0.00028
7.46E-32	0.43277	9.72E-23	0.060504	0.19182	0.019172	0.67943	0.216071	2.45E-06
1.86E-23	0.500208	6.16E-31	0.050203	0.27895	0.024101	0.60341	0.182178	7.51E-05
2.12E-13	0.324797	6.19E-13	0.000829	0.98575	-0.03954	0.3939	-0.05002	0.28067
5.66E-32	0.413392	1.06E-20	0.0332	0.47416	0.033706	0.46744	0.158983	0.00056
6.29E-57	0.711547	2.79E-73	0.109291	0.01815	0.106406	0.02146	0.185937	5.28E-05
6.05E-24	0.506152	9.46E-32	0.264178	6.75E-09	0.133527	0.00384	0.271113	2.60E-09
7.08E-40	0.620684	4.43E-51	0.007185	0.87693	0.126015	0.0064	-0.07772	0.09344
2.13E-13	0.298709	4.43E-11	-0.12596	0.00642	-0.00024	0.99586	-0.00888	0.84814
1.19E-10	0.34542	1.56E-14	0.087943	0.05756	0.037482	0.41904	-0.24838	5.37E-08
6.69E-42	0.519136	1.39E-33	0.097378	0.0354	0.007272	0.87545	0.123479	0.00755
2.88E-26	0.562535	2.51E-40	0.257635	1.62E-08	0.22218	1.24E-06	0.117203	0.01125
2.99E-45	0.573058	4.09E-42	-0.08946	0.05336	0.030152	0.5157	0.081253	0.07941
6.50E-54	0.622201	2.16E-51	-0.01557	0.73719	0.046774	0.31315	0.283586	4.36E-10
1.96E-17	0.340108	4.14E-14	-0.08768	0.05832	0.018765	0.68586	-0.12888	0.00528
8.91E-21	0.451829	7.13E-25	-0.06445	0.16436	0.106806	0.02097	0.211359	4.08E-06
6.05E-54	0.65213	6.71E-58	0.044259	0.3399	0.056401	0.22378	0.03965	0.39262
5.55E-43	0.706562	7.65E-72	0.055969	0.22735	0.111817	0.01563	0.269894	3.08E-09
2.54E-30	0.507647	5.87E-32	0.029061	0.53101	0.014573	0.75344	-0.04256	0.35876
2.15E-34	0.553106	8.91E-39	0.056121	0.22609	0.040571	0.38171	0.150637	0.00109
2.33E-35	0.572938	4.29E-42	0.062597	0.17688	0.101616	0.02811	0.268356	3.81E-09
3.10E-45	0.582039	1.08E-43	-0.02005	0.66558	0.077084	0.09615	0.153515	0.00087
1.35E-40	0.555017	4.36E-39	-0.00438	0.92479	-0.01563	0.73615	0.239717	1.58E-07
5.32E-11	0.232597	3.72E-07	-0.05451	0.23974	0.071676	0.12192	-0.00389	0.93316
9.45E-49	0.680977	6.54E-65	0.049976	0.28114	0.148446	0.00129	0.148876	0.00125
2.79E-09	-0.34685	1.20E-14	-0.07445	0.10808	-0.08679	0.06091	-0.23469	2.90E-07
1.38E-76	0.796826	#####	0.096725	0.03666	0.079403	0.08652	0.137276	0.00295
7.91E-25	0.585846	2.23E-44	0.127847	0.00566	0.072538	0.11748	0.064783	0.16221
9.67E-09	0.234228	3.06E-07	-0.01511	0.74472	0.036323	0.43357	-0.08789	0.0577
1.22E-22	0.526719	1.08E-34	-0.03408	0.46249	0.06171	0.1831	0.158215	0.0006
1.42E-28	-0.42397	8.49E-22	-0.10698	0.02076	-0.13228	0.00419	-0.16851	0.00025
3.30E-18	0.429824	2.02E-22	0.07846	0.09034	0.093248	0.044	-0.12272	0.00793
5.95E-45	0.601792	2.42E-47	0.013475	0.77149	0.059265	0.20111	0.11057	0.01683
2.58E-10	0.31471	3.39E-12	0.01961	0.67253	0.139558	0.00251	0.018428	0.69122
7.95E-62	0.759495	7.10E-89	0.062542	0.17726	0.089522	0.0532	0.181485	8.01E-05
5.53E-46	0.692994	4.47E-68	0.020961	0.65141	0.119529	0.00973	0.219051	1.76E-06
1.02E-63	0.778022	6.37E-96	0.057843	0.21214	0.078825	0.08885	0.061908	0.1817
3.84E-46	0.691914	8.73E-68	0.1689	0.00025	0.152929	0.00091	0.253362	2.83E-08
1.39E-11	0.293893	9.32E-11	0.04651	0.31589	-0.05195	0.26255	0.189767	3.67E-05
2.68E-52	0.713148	9.47E-74	0.100608	0.02972	0.130338	0.00479	0.07765	0.09373
1.44E-36	0.605862	3.98E-48	0.073074	0.11479	0.083287	0.07215	0.029361	0.52678
1.45E-34	0.540522	8.76E-37	0.057835	0.21221	0.067191	0.14713	0.247897	5.71E-08
2.24E-43	0.722257	1.77E-76	0.072002	0.12023	0.15096	0.00107	0.306394	1.32E-11
4.04E-32	0.531114	2.39E-35	0.088162	0.05694	0.086408	0.06207	0.247465	6.03E-08

2.97E-34	0.598163	1.18E-46	0.109633	0.01779	0.096068	0.03796	0.14549	0.00162
1.74E-10	0.239188	1.68E-07	0.033885	0.46508	0.049641	0.28438	-0.01063	0.81875
4.42E-23	0.336564	7.85E-14	0.076349	0.09937	0.03013	0.51601	0.121709	0.00847
6.67E-45	0.663147	1.74E-60	0.065609	0.15691	0.143556	0.00187	0.207569	6.10E-06
4.70E-59	0.619381	8.17E-51	0.014853	0.74887	0.038545	0.40595	0.089835	0.05237
1.63E-26	0.409687	2.50E-20	0.043118	0.35252	-0.10023	0.03034	-0.08838	0.05632
4.70E-34	0.533427	1.07E-35	0.074292	0.10885	0.117836	0.01082	-0.00051	0.99116
3.27E-16	-0.2527	3.09E-08	0.018309	0.69311	0.014536	0.75406	-0.13572	0.0033
3.61E-39	0.576707	9.47E-43	0.05919	0.20167	0.105879	0.02212	0.234082	3.12E-07
4.62E-26	0.435404	5.02E-23	0.0099	0.83103	-0.03305	0.47615	0.072907	0.11563
9.26E-19	-0.45256	5.86E-25	0.065944	0.15479	-0.04877	0.29291	-0.23565	2.58E-07
7.54E-30	0.558008	1.41E-39	-0.01804	0.69733	0.031337	0.49932	0.153495	0.00087
2.46E-07	0.270404	2.87E-09	-0.1098	0.01762	0.020965	0.65134	-0.05654	0.22268
1.05E-24	0.483859	8.87E-29	0.014942	0.74742	0.087357	0.05925	0.011928	0.79711
4.97E-36	0.538702	1.67E-36	0.028967	0.53235	0.038715	0.40388	0.022672	0.62505
6.60E-29	0.496607	1.88E-30	0.165565	0.00033	0.02147	0.64352	-0.10305	0.02596
1.45E-32	0.556281	2.71E-39	0.075413	0.1036	0.054928	0.23613	-0.11261	0.0149
1.38E-21	0.344072	2.00E-14	-0.03938	0.39586	0.131668	0.00437	0.164584	0.00035
3.25E-38	0.46408	2.56E-26	0.090365	0.05099	0.01423	0.75907	-0.01457	0.75347
9.07E-19	0.308911	8.77E-12	-0.06075	0.19003	-0.09996	0.03079	0.203529	9.29E-06
4.40E-40	0.620688	4.42E-51	0.042176	0.36314	0.111184	0.01623	0.242705	1.09E-07
1.38E-31	0.537372	2.68E-36	-0.05022	0.27882	0.024618	0.59566	-0.00285	0.95096
2.17E-48	0.587974	9.18E-45	0.135829	0.00327	0.077168	0.09579	0.287258	2.53E-10
2.49E-33	0.64061	2.62E-55	0.019684	0.67137	0.103233	0.02569	0.102956	0.02609
0.02676	0.130318	0.00479	-0.00807	0.862	0.065021	0.16067	-0.03799	0.41276
3.54E-35	0.585361	2.73E-44	-0.07212	0.11964	0.051145	0.27002	0.038669	0.40444
1.57E-39	0.455432	2.72E-25	-0.03558	0.44308	-0.02991	0.51901	0.125847	0.00647
3.51E-34	0.545236	1.61E-37	-0.02474	0.59376	0.044701	0.3351	0.130375	0.00477
1.51E-24	0.500946	4.89E-31	-0.02015	0.66408	0.0322	0.48758	0.228987	5.68E-07
1.52E-13	0.355	2.57E-15	0.034926	0.45147	0.006797	0.88353	-0.0575	0.21488
3.87E-26	0.393967	8.64E-19	-0.02177	0.63892	0.041571	0.37007	-0.04935	0.28724
1.46E-46	0.630626	3.76E-53	0.087569	0.05863	0.164335	0.00036	0.044324	0.3392
8.82E-27	0.425993	5.19E-22	0.05808	0.21027	0.01831	0.6931	0.099425	0.0317
6.85E-07	0.209328	5.06E-06	-0.03559	0.44294	0.000723	0.98756	0.079536	0.086
3.84E-31	0.524909	2.00E-34	-0.05166	0.26519	0.079287	0.08699	0.00566	0.90292
1.40E-08	0.20029	1.29E-05	-0.07722	0.09558	0.052939	0.25356	0.022014	0.63514
1.76E-27	0.527426	8.48E-35	0.048945	0.2912	0.160152	0.00051	0.148845	0.00126
1.02E-47	0.575067	1.83E-42	0.091177	0.04893	-0.01973	0.67069	0.195305	2.14E-05
2.92E-28	0.460332	7.18E-26	0.089499	0.05326	-0.0844	0.06841	0.037115	0.4236
3.52E-23	0.459025	1.03E-25	0.055887	0.22803	0.052791	0.25489	0.132919	0.00401
3.32E-32	0.589372	5.10E-45	0.056613	0.22204	0.14297	0.00195	0.186084	5.21E-05
1.35E-41	0.671446	1.66E-62	0.087295	0.05943	0.139458	0.00252	0.100888	0.02926
8.08E-48	0.734695	2.19E-80	0.088953	0.05474	0.114608	0.0132	0.1651	0.00034
3.84E-12	0.30852	9.34E-12	0.009276	0.84154	0.110628	0.01677	0.17931	9.77E-05
3.64E-39	-0.60528	5.15E-48	-0.13502	0.00346	-0.17266	0.00018	-0.19761	1.70E-05

1.19E-15	0.387306	3.66E-18	0.033658	0.46807	0.013099	0.77769	-0.11379	0.01388
1.20E-21	0.431199	1.44E-22	0.057622	0.2139	0.144053	0.0018	0.138012	0.0028
2.61E-24	0.393964	8.65E-19	-0.0014	0.9759	-0.0119	0.79757	-0.05391	0.24494
1.77E-18	0.448982	1.51E-24	-0.02739	0.55495	0.02793	0.54712	0.154291	0.00082
2.23E-31	0.509651	3.09E-32	0.029245	0.52841	0.07992	0.08449	-0.05189	0.2631
9.62E-52	0.652814	4.68E-58	0.064371	0.1649	0.076298	0.0996	0.163405	0.00039
4.68E-39	0.57397	2.84E-42	-0.01713	0.71197	0.03959	0.39333	0.099284	0.03195
1.23E-58	0.672251	1.05E-62	0.07464	0.1072	0.104551	0.02385	0.150875	0.00107
6.01E-67	0.763649	2.12E-90	0.041599	0.36976	0.075646	0.10254	0.026954	0.56122
2.19E-31	0.514384	6.64E-33	0.012339	0.79029	0.118021	0.01069	-0.05152	0.26651
1.87E-16	0.334985	1.04E-13	-0.02413	0.60291	-0.04557	0.3258	0.192842	2.72E-05
4.38E-41	0.674175	3.47E-63	0.115947	0.01216	0.067152	0.14736	0.028092	0.54481
1.10E-24	0.403375	1.06E-19	0.036502	0.4313	-0.03001	0.51761	0.164679	0.00035
7.89E-17	-0.41007	2.29E-20	-0.14987	0.00116	-0.07931	0.08688	-0.11877	0.0102
4.46E-52	0.579622	2.90E-43	0.001097	0.98114	0.041451	0.37146	0.173924	0.00016
1.79E-31	0.552414	1.15E-38	0.096669	0.03677	0.085954	0.06346	0.110726	0.01668
3.51E-75	0.707393	4.43E-72	0.107951	0.01963	0.055375	0.23234	0.111952	0.0155
2.27E-38	0.58661	1.62E-44	0.071033	0.12531	0.106629	0.02118	0.163587	0.00039
4.29E-29	0.545511	1.45E-37	-0.0007	0.98803	0.055795	0.22881	-0.03792	0.41356
1.65E-50	0.624415	7.55E-52	0.022814	0.62289	0.157695	0.00063	0.05125	0.26904
9.15E-72	0.809837	#####	0.089282	0.05384	0.11551	0.01249	0.094867	0.04044
3.82E-15	0.377768	2.74E-17	-0.0101	0.82774	0.126343	0.00626	-0.01245	0.78838
9.52E-61	0.667028	2.02E-61	0.06153	0.18439	0.074049	0.11002	0.183505	6.64E-05
1.23E-57	0.67122	1.89E-62	0.029878	0.51953	0.030474	0.51122	0.109423	0.01801
3.96E-53	0.730861	3.70E-79	0.047841	0.30222	0.088673	0.05551	0.110171	0.01723
2.48E-28	0.512925	1.07E-32	0.05582	0.2286	0.053615	0.24754	-0.05432	0.2414
1.26E-15	0.462424	4.04E-26	-0.01101	0.81237	0.105497	0.0226	0.240649	1.41E-07
1.18E-70	0.80913	#####	0.117802	0.01084	0.087111	0.05997	0.122128	0.00824
1.32E-19	0.391837	1.38E-18	0.118252	0.01054	-0.10091	0.02922	0.084979	0.06653
0.002	0.104632	0.02374	0.014505	0.75456	-0.00407	0.93018	-0.05087	0.27264
5.42E-22	0.363179	5.24E-16	0.064973	0.16097	0.012631	0.78544	0.156503	0.00069
2.19E-36	0.52075	8.09E-34	0.007295	0.87507	0.072025	0.12011	0.044148	0.34112
2.15E-07	0.207196	6.34E-06	-0.17419	0.00015	-0.08278	0.07391	0.106759	0.02103
8.27E-42	0.629359	6.97E-53	-0.02849	0.53913	0.145955	0.00156	0.167015	0.00029
8.76E-48	0.563012	2.09E-40	0.068806	0.13763	0.09808	0.03409	0.120333	0.00924
5.05E-41	0.530748	2.71E-35	0.086719	0.06114	0.05018	0.27917	0.071409	0.12332
2.50E-29	0.479753	2.96E-28	-0.01664	0.7198	-0.04274	0.35674	0.060656	0.19071
8.78E-29	0.490348	1.27E-29	0.105648	0.02241	0.146809	0.00147	0.080083	0.08386
6.14E-24	0.281437	5.97E-10	-0.04368	0.34624	0.025236	0.58646	0.057406	0.21562
2.01E-58	0.682278	3.02E-65	0.06622	0.15307	0.056728	0.2211	0.108277	0.01926
2.70E-12	0.385517	5.37E-18	0.025646	0.58038	0.164433	0.00036	0.046616	0.31479
7.53E-46	0.7061	1.04E-71	0.138099	0.00278	0.166965	0.00029	0.232265	3.87E-07
2.69E-37	0.59389	7.48E-46	0.089931	0.05212	0.137125	0.00298	0.085089	0.06618
5.78E-71	0.748074	7.66E-85	0.093051	0.04445	0.105422	0.0227	0.114083	0.01363
5.21E-12	0.291629	1.31E-10	0.015833	0.73291	0.068214	0.14105	0.008109	0.86126

7.23E-76	0.805576	#####	0.080561	0.08202	0.135706	0.0033	0.137417	0.00292
1.69E-12	-0.22394	1.01E-06	0.070877	0.12614	0.031458	0.49767	0.002651	0.95445
7.14E-10	0.301587	2.82E-11	-0.00602	0.8967	-0.07909	0.08776	0.102911	0.02616
1.54E-20	0.443025	7.17E-24	-0.02474	0.59384	0.006515	0.88833	0.14155	0.00217
6.02E-40	0.452008	6.79E-25	0.016582	0.72079	0.008271	0.85852	0.05472	0.23791
1.55E-39	0.600924	3.54E-47	0.131845	0.00432	0.101392	0.02846	0.172859	0.00017
1.58E-22	-0.47148	3.21E-27	-0.00753	0.87111	-0.10554	0.02254	-0.17617	0.00013
2.63E-26	0.297831	5.08E-11	0.047298	0.30775	0.046321	0.31786	0.09969	0.03125
7.63E-29	-0.48383	8.95E-29	-0.03333	0.47241	-0.03312	0.47524	-0.0852	0.06583
7.25E-56	0.610937	4.03E-49	0.096295	0.03751	0.053625	0.24745	0.11976	0.00959
1.83E-39	0.5594	8.34E-40	0.068973	0.13667	0.065917	0.15497	0.132137	0.00423
1.05E-17	0.442077	9.16E-24	0.008475	0.85507	-0.00579	0.90066	0.148689	0.00127
2.83E-16	0.327727	3.73E-13	-0.01012	0.82734	-0.01441	0.75607	0.08229	0.07564
5.39E-15	0.240547	1.43E-07	0.023302	0.61547	0.033704	0.46747	-0.04656	0.31539
2.93E-44	0.622529	1.85E-51	0.025961	0.57575	0.026202	0.57221	0.274259	1.67E-09
4.32E-54	0.613473	1.27E-49	0.045623	0.32522	0.089146	0.05421	0.095079	0.03999
2.42E-21	0.413584	1.01E-20	0.0049	0.9159	-0.00937	0.8399	0.014612	0.75281
1.08E-45	0.538737	1.65E-36	-0.0748	0.10643	0.032354	0.48549	0.145022	0.00168
2.17E-47	0.473656	1.72E-27	0.038797	0.40289	0.101754	0.0279	0.180709	8.60E-05
7.53E-31	0.519491	1.23E-33	0.201525	1.14E-05	0.065436	0.15801	0.068264	0.14076
1.14E-38	0.579166	3.50E-43	-0.01981	0.66941	0.06442	0.16458	0.049883	0.28204
2.00E-49	0.659702	1.15E-59	0.145603	0.00161	0.091307	0.04861	0.165162	0.00034
5.35E-10	0.25934	1.29E-08	-0.04913	0.28938	0.022079	0.63415	0.026241	0.57163
6.27E-17	0.240741	1.39E-07	0.007766	0.86708	0.001285	0.9779	0.078798	0.08896
1.99E-10	0.242288	1.15E-07	0.095307	0.03952	-0.05849	0.20705	0.183539	6.62E-05
6.01E-26	0.560033	6.56E-40	0.037666	0.41674	0.178997	0.0001	0.152553	0.00094
2.19E-51	0.58079	1.80E-43	0.079343	0.08677	0.066962	0.14851	0.169562	0.00023
3.75E-18	0.281454	5.96E-10	-0.03449	0.45719	0.031882	0.49189	0.145433	0.00163
3.48E-37	0.528404	6.07E-35	-0.0147	0.75131	0.110656	0.01675	0.223577	1.06E-06
9.44E-09	0.262495	8.48E-09	-0.06409	0.16678	0.028878	0.53361	-0.039	0.40047
1.28E-52	0.618541	1.21E-50	0.07635	0.09937	0.053596	0.2477	0.099278	0.03196
8.36E-19	-0.35628	2.01E-15	-0.03218	0.48785	-0.02214	0.63326	-0.1568	0.00067
6.14E-27	0.49361	4.73E-30	0.02249	0.62784	-0.00414	0.92893	-0.07875	0.08917
1.76E-21	-0.46625	1.40E-26	-0.08193	0.07695	-0.08956	0.0531	-0.10085	0.02932
6.68E-76	0.686251	2.79E-66	0.096014	0.03807	0.085046	0.06632	0.204501	8.40E-06
1.36E-25	0.384627	6.49E-18	0.057641	0.21375	-0.01041	0.82251	0.185702	5.40E-05
1.26E-10	0.40983	2.42E-20	-0.02035	0.66086	0.101994	0.02753	-0.05536	0.23249
4.03E-33	0.621763	2.66E-51	-0.07322	0.11408	0.084934	0.06668	0.043826	0.34466
2.07E-36	0.64926	3.04E-57	-0.02733	0.5558	0.113765	0.0139	0.163134	0.0004
3.88E-22	0.442799	7.61E-24	0.028473	0.53936	0.074403	0.10832	0.094683	0.04083
3.74E-12	0.26514	5.93E-09	0.007848	0.86568	-0.13925	0.00256	-0.07611	0.10043
8.79E-10	-0.21211	3.76E-06	-0.0087	0.85121	0.094976	0.04021	-0.29177	1.29E-10
1.05E-22	0.464705	2.15E-26	0.008767	0.85013	0.068351	0.14025	0.137519	0.0029
9.65E-35	0.457553	1.53E-25	0.044633	0.33584	0.060716	0.19027	0.233657	3.28E-07
4.53E-53	0.683527	1.43E-65	-0.02761	0.55173	0.100821	0.02937	0.136538	0.00311

9.34E-16	0.222316	1.22E-06	0.116042	0.01209	-0.03818	0.41041	0.034094	0.46232
1.37E-27	0.418241	3.36E-21	0.093853	0.04264	-0.00093	0.98399	0.160572	0.0005
2.39E-53	0.629737	5.80E-53	0.069484	0.13378	0.042507	0.35938	0.169597	0.00023
4.39E-14	0.414367	8.41E-21	0.047118	0.3096	0.070662	0.1273	-0.05604	0.22675
1.11E-16	0.27306	1.98E-09	-0.03983	0.39051	0.020468	0.65908	0.04411	0.34153
5.54E-25	0.385723	5.14E-18	0.081537	0.07837	0.046289	0.3182	0.103315	0.02557
5.99E-45	0.696499	4.98E-69	0.024631	0.59547	0.208138	5.74E-06	0.201734	1.12E-05
2.72E-11	0.277364	1.07E-09	-0.0322	0.48763	0.01329	0.77453	-0.00462	0.92071
2.34E-17	0.390797	1.73E-18	0.010631	0.81877	0.054783	0.23737	0.01556	0.73735
3.34E-46	0.615001	6.27E-50	0.086808	0.06087	0.122473	0.00806	-0.01606	0.72916
1.50E-23	0.409223	2.79E-20	-0.02879	0.5349	0.035598	0.4428	0.151265	0.00104
2.47E-29	0.353916	3.16E-15	-0.01488	0.7484	-0.0515	0.26673	0.016736	0.71831
1.13E-19	0.381944	1.14E-17	-0.04859	0.2947	0.070241	0.12959	0.14312	0.00193
1.17E-78	0.705134	1.95E-71	0.115939	0.01217	0.067492	0.14532	0.287124	2.59E-10
9.76E-40	0.50085	5.04E-31	0.092143	0.04658	-0.0152	0.74325	0.160156	0.00051
3.66E-09	0.209035	5.22E-06	-0.06536	0.15851	0.080932	0.08061	0.005579	0.9043
9.22E-39	0.543912	2.59E-37	-0.0398	0.39079	0.044669	0.33545	0.052857	0.25429
2.64E-37	0.612307	2.16E-49	0.069479	0.13381	0.128409	0.00545	0.175483	0.00014
4.83E-30	0.569327	1.79E-41	0.053939	0.24468	0.142373	0.00204	0.225674	8.33E-07
1.62E-14	0.32647	4.64E-13	0.148716	0.00127	0.109291	0.01815	0.250819	3.93E-08
3.25E-32	0.516133	3.74E-33	0.001676	0.97119	0.079488	0.08619	0.189949	3.60E-05
1.13E-25	0.512696	1.15E-32	0.009929	0.83055	-0.02146	0.64374	0.113769	0.01389
7.30E-17	0.321367	1.11E-12	0.097401	0.03536	0.037289	0.42143	0.124017	0.00729
5.61E-18	0.295327	7.48E-11	0.007473	0.87204	0.039329	0.39646	0.019181	0.67929
6.41E-41	0.612747	1.77E-49	0.159265	0.00055	0.136475	0.00312	0.086262	0.06252
1.94E-16	0.450251	1.08E-24	-0.0399	0.38968	0.021094	0.64935	0.133073	0.00397
1.03E-11	-0.30201	2.64E-11	0.063631	0.16982	0.011173	0.80969	0.003444	0.94083
1.68E-38	0.572898	4.36E-42	-0.07005	0.13065	0.054649	0.23852	0.190371	3.46E-05
9.40E-08	0.242034	1.19E-07	-0.04413	0.34133	-0.02977	0.52096	0.08499	0.0665
2.86E-22	0.366113	2.93E-16	-0.02741	0.55462	0.036416	0.43239	0.25226	3.27E-08
2.25E-61	0.707654	3.73E-72	0.042656	0.35771	0.093045	0.04446	0.131435	0.00444
2.17E-50	0.607975	1.54E-48	0.031338	0.49932	0.071203	0.12441	0.112841	0.0147
2.86E-63	0.693089	4.21E-68	0.067275	0.14662	0.078899	0.08855	0.040661	0.38065
4.41E-34	0.604803	6.38E-48	0.028739	0.53557	0.115543	0.01247	0.154686	0.0008
3.87E-25	0.415997	5.73E-21	-0.13276	0.00405	0.039984	0.38864	0.113287	0.01431
1.51E-46	0.676701	8.04E-64	0.071617	0.12223	0.134427	0.00361	0.144753	0.00171
8.90E-43	0.479325	3.36E-28	0.049629	0.28449	0.020757	0.65458	0.194076	2.41E-05
1.74E-17	0.285546	3.27E-10	-0.05493	0.23612	0.039908	0.38955	0.004891	0.91604
2.01E-18	0.395304	6.44E-19	0.127189	0.00592	-0.08414	0.06928	0.079369	0.08666
8.45E-24	0.345746	1.47E-14	0.062759	0.17576	-0.01474	0.75068	0.219738	1.63E-06
4.13E-25	0.436729	3.59E-23	0.033071	0.47587	0.00168	0.97112	0.177783	0.00011
2.36E-11	0.294436	8.57E-11	-0.10139	0.02846	-0.03375	0.46692	0.047063	0.31016
5.37E-30	0.438389	2.36E-23	-0.04034	0.38439	-0.01174	0.80029	0.008638	0.85231
7.70E-16	0.423826	8.79E-22	0.178951	0.0001	0.104259	0.02425	0.109167	0.01828
2.60E-23	0.397831	3.68E-19	-0.01393	0.76395	0.069715	0.13249	0.069185	0.13547

5.50E-25	0.535971	4.39E-36	0.032123	0.48862	0.052627	0.25637	0.202325	1.05E-05
1.46E-15	0.314005	3.81E-12	0.007192	0.87682	0.037386	0.42022	-0.00518	0.91107
6.48E-35	0.546269	1.10E-37	-0.06438	0.16481	0.020302	0.66167	-0.03293	0.47777
4.54E-09	0.224765	9.24E-07	-0.00479	0.91785	0.038183	0.41038	-0.06258	0.17702
7.56E-57	0.70896	1.57E-72	0.185893	5.31E-05	0.046003	0.3212	0.155503	0.00075
1.98E-85	0.757352	4.21E-88	0.085601	0.06456	0.102276	0.0271	0.242619	1.11E-07
2.28E-23	0.442072	9.18E-24	0.051926	0.26276	-0.05898	0.20328	-0.09582	0.03846
1.88E-21	0.30497	1.65E-11	-0.03735	0.42067	-0.0658	0.1557	0.164275	0.00036
2.21E-74	0.66832	9.75E-62	0.120715	0.00902	0.080579	0.08195	0.221025	1.41E-06
1.90E-50	0.552143	1.27E-38	-0.00495	0.91509	-0.07124	0.12419	0.066831	0.14931
3.29E-57	0.592402	1.41E-45	0.024229	0.60149	0.042881	0.35517	0.041147	0.37498
3.94E-45	0.568498	2.48E-41	0.045222	0.3295	0.011287	0.8078	0.109963	0.01745
1.74E-52	0.666748	2.36E-61	0.137214	0.00297	0.091931	0.04709	0.12578	0.0065
1.15E-42	0.66458	7.89E-61	-0.01891	0.68353	0.042199	0.36288	0.106543	0.02129
2.44E-25	0.533836	9.27E-36	0.043376	0.34963	0.146397	0.00151	0.091155	0.04899
1.12E-35	0.576946	8.60E-43	0.075972	0.10106	0.059106	0.20232	0.204787	8.16E-06
8.50E-37	0.608362	1.29E-48	0.099487	0.03159	0.099493	0.03158	0.001423	0.97554
5.07E-44	0.627435	1.77E-52	0.08132	0.07917	0.130243	0.00482	0.328783	3.11E-13
1.31E-50	0.641978	1.31E-55	-0.01727	0.70972	0.149781	0.00117	0.127383	0.00584
9.78E-57	0.526838	1.04E-34	-0.04159	0.36985	0.060118	0.19468	0.143127	0.00193
3.51E-28	0.384543	6.61E-18	-0.01529	0.74179	-0.01561	0.73657	0.232756	3.65E-07
6.75E-43	0.525204	1.81E-34	0.016332	0.72483	0.035561	0.44329	0.174609	0.00015
5.59E-08	0.258708	1.41E-08	0.050508	0.27605	0.086951	0.06044	-0.04818	0.29885
2.22E-66	0.726042	1.21E-77	0.054672	0.23833	0.091124	0.04907	0.134106	0.00369
2.47E-52	0.71019	6.92E-73	0.089796	0.05247	0.160638	0.00049	0.16276	0.00041
1.27E-40	0.580783	1.81E-43	0.043187	0.35174	0.094174	0.04193	0.114281	0.01347
1.31E-56	0.683247	1.70E-65	0.080159	0.08356	0.106721	0.02107	0.04811	0.29952
8.21E-46	0.635628	3.19E-54	0.10608	0.02186	0.02868	0.53642	0.067355	0.14614
1.94E-47	0.682951	2.02E-65	0.111474	0.01595	0.140922	0.00227	0.196235	1.95E-05
3.85E-15	0.332194	1.71E-13	-0.04581	0.32321	0.066502	0.15133	0.136027	0.00323
5.27E-07	0.239517	1.62E-07	0.019318	0.67712	-0.00132	0.97732	-0.06339	0.17146
2.98E-12	0.20652	6.81E-06	0.0847	0.06744	0.010474	0.82139	0.126273	0.00629
1.41E-12	0.264761	6.24E-09	-0.08865	0.05557	0.029457	0.52543	-0.07036	0.12895
2.20E-63	0.719729	1.04E-75	0.111453	0.01597	0.072183	0.11929	0.108415	0.0191
1.86E-34	0.534946	6.29E-36	0.001823	0.96867	0.071052	0.12521	0.133463	0.00386
1.57E-14	0.231456	4.25E-07	0.032768	0.47992	-0.0687	0.13824	-0.12225	0.00818
1.29E-59	0.794448	#####	0.1542	0.00083	0.231844	4.06E-07	0.202222	1.06E-05
3.78E-72	0.735535	1.17E-80	0.09443	0.04138	0.099425	0.0317	0.25163	3.54E-08
3.34E-56	0.707723	3.56E-72	0.015649	0.7359	0.079678	0.08544	0.085592	0.06459
2.86E-17	0.452692	5.66E-25	0.040728	0.37987	0.138341	0.00274	0.018799	0.68533
1.10E-13	0.2536	2.75E-08	-0.06358	0.17019	-0.00572	0.90193	0.135963	0.00324
6.59E-28	0.465914	1.54E-26	0.019259	0.67806	0.06213	0.18014	0.001275	0.97808
0.00021	0.051339	0.26821	-0.15627	0.0007	-0.13597	0.00324	-0.13501	0.00346
2.16E-19	-0.39885	2.94E-19	-0.14469	0.00172	-0.10703	0.0207	-0.17388	0.00016
1.80E-58	0.706254	9.37E-72	0.004566	0.92161	0.038498	0.40653	0.05238	0.25861

1.57E-14	0.301923	2.68E-11	0.07057	0.1278	-0.00027	0.99533	-0.022	0.63535
9.58E-28	0.424036	8.36E-22	0.002322	0.96009	0.084694	0.06746	0.232797	3.63E-07
1.31E-39	0.503311	2.33E-31	0.078047	0.09206	0.064329	0.16517	0.167238	0.00028
5.78E-36	0.401774	1.52E-19	-0.03911	0.39908	-0.02562	0.58083	0.064045	0.16705
4.86E-17	-0.36805	1.99E-16	-0.05228	0.25953	0.018012	0.69784	-0.06588	0.15522
5.65E-07	0.199112	1.46E-05	-0.09251	0.0457	0.059638	0.19828	0.174811	0.00015
6.23E-48	0.610277	5.45E-49	0.075323	0.10402	0.048201	0.2986	0.241337	1.29E-07
6.28E-50	0.633957	7.31E-54	0.048657	0.29404	0.058054	0.21048	0.054009	0.24407
5.63E-23	0.423005	1.07E-21	-0.01667	0.71943	0.092653	0.04537	-0.05587	0.22816
3.68E-46	0.58128	1.47E-43	0.030612	0.50931	0.059767	0.1973	-0.02356	0.6115
8.60E-23	0.550084	2.73E-38	0.098157	0.03395	0.150819	0.00108	-0.06122	0.18663
1.10E-62	0.739121	7.90E-82	-0.09544	0.03925	0.133104	0.00396	0.201899	1.10E-05
7.49E-69	0.723644	6.65E-77	0.117803	0.01084	0.111982	0.01547	0.107108	0.02061
7.94E-73	0.73741	2.88E-81	0.071447	0.12312	0.09241	0.04594	0.166882	0.00029
8.75E-43	0.612122	2.35E-49	0.047856	0.30207	0.109377	0.01806	0.187468	4.57E-05
4.56E-32	0.505003	1.36E-31	0.027588	0.55204	-0.00787	0.86523	0.347998	9.67E-15
2.27E-49	0.662014	3.25E-60	-0.02992	0.51896	0.126203	0.00632	0.111768	0.01567
4.61E-26	0.430406	1.75E-22	-0.0312	0.50114	0.031926	0.49129	0.064589	0.16347
4.67E-33	0.595666	3.49E-46	0.053038	0.25267	0.165313	0.00033	-0.00458	0.92131
9.29E-26	0.350193	6.41E-15	0.089206	0.05405	0.043153	0.35212	0.149002	0.00124
3.89E-43	0.668745	7.68E-62	0.046541	0.31556	0.177342	0.00012	0.061	0.18821
6.29E-15	0.264715	6.28E-09	0.158946	0.00057	0.091283	0.04867	0.218625	1.85E-06
4.59E-47	0.521681	5.93E-34	0.074691	0.10696	0.07819	0.09146	0.268659	3.66E-09
2.56E-36	0.587848	9.68E-45	0.098446	0.03343	0.085357	0.06533	-0.09437	0.0415
2.78E-32	0.502416	3.09E-31	0.109633	0.01779	0.081274	0.07934	0.299825	3.72E-11
1.54E-17	0.284099	4.05E-10	-0.05236	0.25883	-0.02007	0.66528	0.241939	1.20E-07
2.64E-45	-0.63402	7.08E-54	-0.05488	0.23656	-0.11072	0.01668	-0.12014	0.00936
8.29E-36	0.407094	4.55E-20	0.110614	0.01679	-0.02586	0.57723	0.13746	0.00291
3.19E-35	-0.50492	1.40E-31	-0.12722	0.0059	-0.17634	0.00013	-0.20173	1.12E-05
1.48E-31	0.495174	2.93E-30	0.14423	0.00178	0.045669	0.32473	0.21579	2.52E-06
4.06E-10	0.306852	1.22E-11	-0.0905	0.05065	-0.04183	0.36708	0.02027	0.66218
8.16E-27	0.584846	3.39E-44	0.050428	0.2768	0.112255	0.01522	0.023209	0.61688
1.15E-28	0.577309	7.43E-43	-0.00408	0.92992	0.135894	0.00326	0.092514	0.0457
1.05E-12	0.419626	2.42E-21	0.102965	0.02608	0.20137	1.16E-05	-0.01525	0.74243
3.53E-22	0.419419	2.54E-21	0.305752	1.46E-11	-0.04634	0.31762	-0.01302	0.77897
3.96E-22	0.384386	6.83E-18	0.051006	0.27132	-0.00678	0.8839	0.026821	0.56315
1.05E-37	0.591585	2.00E-45	-0.01547	0.73874	-0.0142	0.75964	0.036103	0.43636
7.50E-16	0.318346	1.85E-12	-0.02753	0.55283	0.042936	0.35456	0.103911	0.02473
8.04E-08	0.089582	0.05304	0.079397	0.08655	-0.02959	0.52354	-0.00049	0.99158
2.97E-31	0.539733	1.16E-36	0.000531	0.99087	0.034309	0.45951	-0.00147	0.97475
7.18E-29	0.403263	1.09E-19	0.032056	0.48952	0.03582	0.43997	-0.032	0.49024
1.36E-12	0.423228	1.02E-21	0.06426	0.16563	0.087528	0.05875	0.122862	0.00786
4.69E-45	0.545375	1.53E-37	0.074289	0.10886	0.054846	0.23683	0.272053	2.28E-09
1.17E-28	0.496349	2.04E-30	0.00399	0.93147	0.088777	0.05522	0.20843	5.57E-06
1.61E-19	0.454007	3.98E-25	-0.02147	0.64356	0.049796	0.28287	0.041594	0.36981

8.95E-39	0.537574	2.49E-36	0.005568	0.90448	0.047251	0.30823	0.059368	0.20032
1.37E-39	0.620235	5.47E-51	0.112697	0.01482	0.076739	0.09765	0.059225	0.20141
4.89E-49	0.66904	6.50E-62	0.022882	0.62185	0.100644	0.02966	0.197796	1.67E-05
1.41E-39	0.49898	9.04E-31	0.000946	0.98374	0.032866	0.47862	0.091892	0.04718
9.31E-39	0.658184	2.63E-59	0.036375	0.43291	0.09137	0.04846	0.124674	0.00699
9.68E-26	0.398654	3.07E-19	-0.01082	0.81557	-0.01384	0.76549	-0.00951	0.83763
3.01E-31	0.625224	5.13E-52	0.073387	0.11324	0.128498	0.00542	0.061913	0.18167
1.01E-36	0.599648	6.19E-47	0.043557	0.34763	0.096763	0.03658	0.045832	0.32301
2.54E-34	0.584103	4.61E-44	0.011344	0.80685	0.000633	0.98912	0.18683	4.86E-05
5.16E-13	0.414826	7.55E-21	0.014757	0.75044	0.228492	6.02E-07	-0.0181	0.69643
2.41E-24	0.469846	5.09E-27	0.014749	0.75056	0.04644	0.31662	-0.0873	0.05941
2.11E-42	0.639204	5.33E-55	0.036585	0.43026	0.09664	0.03682	0.026664	0.56544
1.61E-30	0.510084	2.68E-32	0.077387	0.09485	0.115882	0.01221	0.172184	0.00018
4.92E-44	0.562528	2.52E-40	0.066275	0.15273	0.114638	0.01318	-0.02872	0.53591
1.41E-24	0.387721	3.35E-18	-0.04623	0.31883	-0.02669	0.56502	-0.09406	0.04219
8.90E-40	0.504609	1.54E-31	0.06333	0.17185	0.023639	0.61037	-0.00267	0.9541
6.96E-35	0.655348	1.21E-58	0.114766	0.01308	0.201375	1.16E-05	0.107115	0.0206
1.81E-20	0.344629	1.81E-14	0.003566	0.93874	-0.02419	0.60204	0.203293	9.52E-06
3.68E-35	0.514211	7.03E-33	0.126769	0.00608	0.06635	0.15227	0.148538	0.00129
6.92E-42	0.504283	1.71E-31	0.018468	0.69058	0.023678	0.60977	0.107958	0.01962
9.15E-29	0.627225	1.96E-52	0.065277	0.15902	0.087992	0.05742	0.007189	0.87686
8.05E-35	0.556206	2.79E-39	0.118165	0.0106	0.097893	0.03444	0.08922	0.05401
1.19E-30	0.504712	1.49E-31	0.024945	0.59077	0.085352	0.06534	0.144901	0.00169
3.60E-52	0.625747	3.99E-52	-0.02991	0.51905	0.063201	0.17273	0.158226	0.0006
4.22E-36	0.575661	1.44E-42	0.019244	0.67829	0.103983	0.02463	0.072451	0.11792
2.93E-54	0.724412	3.86E-77	0.102372	0.02695	0.125799	0.00649	0.205365	7.68E-06
1.68E-25	0.446022	3.29E-24	0.001724	0.97036	-0.04806	0.30002	-0.06267	0.1764
4.21E-59	0.734158	3.27E-80	0.139305	0.00255	0.121326	0.00868	0.105053	0.02318
7.64E-65	0.706379	8.63E-72	0.084164	0.06919	0.095485	0.03915	0.131677	0.00437
2.59E-33	0.446418	2.97E-24	0.032482	0.48378	-0.01374	0.76713	0.074481	0.10795
1.70E-41	0.475449	1.03E-27	0.050893	0.27239	0.06443	0.16451	0.37815	2.53E-17
2.51E-21	0.437638	2.85E-23	-0.12085	0.00894	0.067368	0.14606	-0.03612	0.43613
3.21E-49	0.672395	9.65E-63	0.103646	0.0251	0.066596	0.15075	0.099526	0.03153
7.15E-11	-0.28246	5.14E-10	0.030714	0.5079	0.080558	0.08203	-0.03227	0.48663
2.02E-18	0.27664	1.19E-09	-0.08579	0.06396	-0.00507	0.91307	0.029944	0.5186
4.10E-11	0.326082	4.97E-13	0.004787	0.91783	0.066589	0.15079	-0.07641	0.09909
1.66E-29	0.507997	5.25E-32	-0.08905	0.05448	0.122917	0.00783	0.218075	1.96E-06
2.88E-10	-0.31327	4.30E-12	0.004834	0.91702	0.019734	0.67058	0.121988	0.00832
8.83E-08	-0.33859	5.45E-14	-0.03511	0.44909	-0.07189	0.12082	-0.03208	0.48927
5.41E-28	0.576661	9.65E-43	0.121306	0.00869	0.150058	0.00114	0.023329	0.61506
2.13E-48	0.625229	5.11E-52	0.024271	0.60085	0.100658	0.02964	0.314426	3.56E-12
1.31E-39	0.566	6.59E-41	0.067208	0.14703	0.077043	0.09633	0.118611	0.01031
3.15E-30	-0.61089	4.12E-49	-0.06207	0.18056	-0.08905	0.05446	-0.19286	2.72E-05
6.06E-31	0.575237	1.71E-42	0.122469	0.00806	0.131369	0.00446	0.070077	0.13049
1.13E-59	0.727674	3.74E-78	-0.00809	0.86151	0.146637	0.00149	0.151553	0.00102



1.11E-76	0.754467	4.51E-87	0.048941	0.29123	0.115109	0.01281	0.146308	0.00152
5.11E-25	0.444856	4.46E-24	-0.0025	0.95695	0.088871	0.05496	0.050582	0.27534
2.63E-12	-0.35036	6.21E-15	-0.02471	0.59422	-0.10657	0.02126	-0.15373	0.00086
2.26E-40	0.625808	3.87E-52	0.118837	0.01016	0.049761	0.28322	0.320491	1.29E-12
1.37E-66	0.578253	5.07E-43	0.016323	0.72497	-0.0031	0.94672	0.062138	0.18008
9.73E-19	-0.37381	6.20E-17	-0.01436	0.75696	-0.09631	0.03747	-0.22783	6.50E-07
1.36E-08	0.353177	3.64E-15	0.019638	0.67209	0.059097	0.20238	-0.11535	0.01262
3.35E-49	0.601075	3.31E-47	0.040698	0.38021	0.031477	0.49741	0.115214	0.01272
1.85E-55	0.616766	2.77E-50	0.180103	9.09E-05	0.081712	0.07773	0.097383	0.03539
5.28E-47	0.613856	1.06E-49	0.020966	0.65134	0.055836	0.22846	0.130471	0.00474
1.13E-13	0.275078	1.49E-09	-0.02213	0.6334	-0.13765	0.00287	-0.01506	0.74542
1.40E-32	0.436385	3.92E-23	0.120061	0.0094	0.014951	0.74726	0.025692	0.57971
1.05E-32	0.564451	1.20E-40	0.021386	0.64482	0.090341	0.05105	0.133669	0.00381
7.83E-18	0.396921	4.51E-19	0.016	0.7302	-0.03571	0.44138	0.013335	0.7738
1.45E-51	0.711867	2.25E-73	0.123436	0.00757	0.166633	0.0003	0.062986	0.1742
8.40E-47	0.527982	7.01E-35	-0.0516	0.26578	0.044663	0.33551	0.125617	0.00657
7.15E-65	0.76063	2.74E-89	0.089124	0.05427	0.11775	0.01088	0.191645	3.06E-05
6.70E-18	0.4571	1.73E-25	0.033983	0.46379	0.084205	0.06906	0.030437	0.51174
4.35E-28	0.515168	5.14E-33	0.055057	0.23503	-0.00225	0.96141	-0.09695	0.03623
6.76E-06	0.255581	2.12E-08	0.09284	0.04494	-0.01601	0.73009	-0.23004	5.02E-07
1.67E-31	0.532246	1.61E-35	0.108443	0.01907	0.046249	0.31861	0.128467	0.00543
4.06E-41	0.608244	1.37E-48	0.045688	0.32453	0.06896	0.13675	0.033069	0.47591
4.68E-14	-0.32687	4.33E-13	0.070071	0.13052	0.021676	0.64034	0.029557	0.52401
1.47E-40	0.654211	2.22E-58	-0.0017	0.97084	0.139791	0.00246	-0.04258	0.35854
1.58E-30	0.552734	1.02E-38	0.05123	0.26922	0.061866	0.18199	0.190992	3.26E-05
3.55E-12	-0.29561	7.16E-11	-0.0485	0.29556	0.015807	0.73332	-0.12965	0.00501
8.25E-12	0.343559	2.20E-14	0.018102	0.6964	0.045824	0.32309	0.218756	1.82E-06
3.40E-29	0.449992	1.16E-24	-0.00143	0.97533	0.069804	0.132	0.125165	0.00676
2.05E-49	0.679104	1.97E-64	0.050341	0.27764	0.109413	0.01802	0.069964	0.13111
9.29E-37	0.601728	2.49E-47	0.10563	0.02243	0.09618	0.03774	0.058368	0.20801
3.29E-07	0.152578	0.00094	-0.08375	0.07057	-0.01486	0.74874	0.00558	0.90428
6.67E-38	0.582742	8.08E-44	0.090646	0.05027	0.0922	0.04644	0.0086	0.85294
5.62E-31	0.510707	2.19E-32	0.033679	0.4678	0.112838	0.0147	0.155404	0.00075
7.93E-38	0.585262	2.85E-44	0.01134	0.80692	0.071933	0.12058	-0.01774	0.70213
2.18E-34	0.594636	5.43E-46	-0.01193	0.79701	0.080478	0.08233	0.215927	2.48E-06
1.00E-21	0.450961	8.97E-25	-0.105	0.02325	0.069565	0.13333	0.130588	0.0047
1.39E-48	0.66981	4.20E-62	0.083547	0.07126	0.190748	3.34E-05	0.134494	0.00359
7.47E-37	0.662019	3.25E-60	0.14225	0.00206	0.183677	6.53E-05	0.196355	1.92E-05
2.41E-24	0.398391	3.25E-19	-0.00955	0.83686	0.006643	0.88615	0.081864	0.07717
7.68E-19	0.368502	1.82E-16	-0.09882	0.03276	0.039429	0.39527	-0.06502	0.1607
1.32E-15	0.286114	3.00E-10	-0.02415	0.60264	0.039335	0.3964	0.151829	0.001
4.36E-27	0.480787	2.19E-28	0.066088	0.1539	0.024468	0.5979	0.080701	0.08148
1.96E-08	0.304298	1.84E-11	-0.04566	0.32485	-0.01686	0.71626	0.023031	0.61959
9.63E-16	-0.27964	7.75E-10	-0.02293	0.62112	-0.05888	0.20409	-0.10899	0.01848
3.55E-12	-0.41426	8.62E-21	-0.03128	0.50016	-0.16226	0.00043	0.017181	0.71115

4.20E-08	0.230402	4.81E-07	0.039828	0.3905	-0.004	0.9313	-0.03243	0.48448
3.38E-29	0.57656	1.00E-42	0.02841	0.54025	0.105928	0.02205	0.15162	0.00101
3.31E-22	0.476035	8.71E-28	-0.07852	0.09008	0.087075	0.06008	0.023682	0.60972
1.21E-25	0.490412	1.25E-29	0.054776	0.23743	0.01847	0.69056	0.169143	0.00024
2.15E-25	0.545243	1.60E-37	0.080837	0.08097	0.118241	0.01055	0.014665	0.75194
1.57E-36	0.557951	1.45E-39	0.052259	0.25971	0.115053	0.01285	-0.01726	0.70996
1.55E-12	0.408723	3.13E-20	0.287596	2.41E-10	0.152535	0.00094	0.030636	0.50898
3.50E-54	0.649779	2.32E-57	0.024646	0.59524	0.016046	0.72945	0.043407	0.34929
2.56E-28	0.548024	5.82E-38	0.02269	0.62479	0.139416	0.00253	0.106954	0.02079
1.03E-48	0.700929	2.97E-70	0.030755	0.50733	0.026115	0.57348	0.169324	0.00024
1.85E-23	0.323887	7.24E-13	0.086021	0.06326	0.058477	0.20717	0.021674	0.64036
3.74E-34	0.60591	3.89E-48	0.18356	6.60E-05	0.172005	0.00019	0.341169	3.41E-14
3.96E-49	0.645452	2.20E-56	0.070502	0.12817	0.060343	0.19302	0.217897	2.00E-06
6.60E-13	0.209776	4.83E-06	-0.15814	0.0006	-0.04964	0.28436	-0.22164	1.32E-06
2.02E-63	0.647602	7.23E-57	0.02883	0.53429	0.068124	0.14158	0.252158	3.31E-08
1.87E-26	0.435418	5.00E-23	-0.02406	0.60407	0.009043	0.84547	0.103225	0.0257
1.96E-46	0.626499	2.78E-52	0.091195	0.04889	0.116591	0.01169	0.219716	1.63E-06
1.39E-17	0.422163	1.31E-21	-0.08599	0.06335	0.113239	0.01435	-0.03051	0.51068
1.26E-05	0.138838	0.00264	-0.11466	0.01316	-0.01276	0.78335	-0.20087	1.22E-05
1.17E-29	0.549516	3.36E-38	0.040782	0.37923	0.152889	0.00092	0.279748	7.63E-10
4.39E-32	0.469939	4.96E-27	0.032342	0.48566	0.039041	0.39993	0.086534	0.06169
3.72E-51	0.705343	1.70E-71	0.12081	0.00897	0.097399	0.03536	0.281958	5.54E-10
5.85E-29	0.506432	8.66E-32	0.0129	0.78098	0.054359	0.24103	0.10772	0.01989
1.13E-33	0.690664	1.89E-67	0.106538	0.0213	0.102419	0.02688	0.066366	0.15217
2.81E-17	0.480758	2.21E-28	-0.02917	0.52943	0.1459	0.00157	-0.02249	0.62791
4.32E-26	0.500194	6.19E-31	-0.00107	0.98162	0.033773	0.46655	0.133256	0.00392
1.57E-24	0.305255	1.58E-11	0.048472	0.29588	0.003415	0.94133	0.086187	0.06275
3.25E-48	0.690627	1.93E-67	0.133727	0.00379	0.133558	0.00383	0.137772	0.00285
1.52E-09	0.278455	9.19E-10	0.053978	0.24434	-0.03621	0.43497	-0.00851	0.85448
1.57E-31	0.437494	2.96E-23	0.110663	0.01674	0.055784	0.2289	0.347989	9.69E-15
2.70E-39	0.59966	6.16E-47	0.135006	0.00347	0.100553	0.02981	0.144795	0.00171
5.63E-32	0.519025	1.44E-33	0.035474	0.4444	0.059207	0.20154	0.092345	0.0461
1.76E-47	0.605036	5.75E-48	0.183827	6.44E-05	0.068298	0.14056	0.033632	0.46842
2.38E-26	0.510543	2.31E-32	0.060196	0.1941	0.147827	0.00136	0.239754	1.57E-07
1.70E-47	0.580987	1.66E-43	0.095188	0.03976	0.057583	0.21421	0.15477	0.00079
1.48E-29	0.4745	1.35E-27	0.060885	0.18904	0.035369	0.44575	-0.01072	0.8173
6.24E-37	0.602179	2.04E-47	0.101683	0.02801	0.105811	0.0222	0.146807	0.00147
4.68E-16	-0.32453	6.49E-13	-0.10063	0.02968	-0.02308	0.61888	-0.02311	0.61842
4.22E-74	0.71913	1.57E-75	0.049646	0.28433	0.104348	0.02413	0.301549	2.84E-11
2.80E-56	0.711343	3.20E-73	0.105099	0.02312	0.085171	0.06592	0.123835	0.00738
1.08E-83	0.751971	3.41E-86	0.080285	0.08307	0.088007	0.05738	0.260408	1.12E-08
9.88E-43	0.678435	2.92E-64	0.072735	0.11649	0.128315	0.00549	0.084816	0.06706
1.72E-13	-0.40762	4.04E-20	-0.19219	2.90E-05	-0.12846	0.00544	0.03061	0.50934
4.89E-41	0.524823	2.06E-34	0.025469	0.58301	0.092939	0.04471	0.128759	0.00533
1.53E-52	0.665117	5.85E-61	0.043433	0.34901	0.09986	0.03096	0.142364	0.00204

8.61E-31	0.488701	2.09E-29	0.056786	0.22063	0.012628	0.78549	0.180716	8.59E-05
9.11E-31	0.474691	1.28E-27	-0.01032	0.82406	0.068003	0.14229	0.13636	0.00315
4.48E-51	0.660146	9.05E-60	0.052898	0.25392	0.08912	0.05428	0.084013	0.0697
2.99E-38	0.597786	1.39E-46	0.038439	0.40724	0.032714	0.48066	0.113742	0.01392
2.58E-19	0.508394	4.62E-32	0.01708	0.71278	0.073953	0.11048	-0.06874	0.13802
5.26E-33	0.530713	2.74E-35	-0.04937	0.28705	0.046404	0.31699	0.174262	0.00015
1.02E-15	0.392544	1.18E-18	0.079462	0.08629	0.039827	0.3905	-0.01812	0.69607
1.22E-25	0.443176	6.90E-24	0.165979	0.00032	0.049072	0.28994	-0.02417	0.60232
8.73E-63	0.759741	5.77E-89	0.099625	0.03136	0.133911	0.00374	0.100991	0.0291
1.14E-09	0.211273	4.11E-06	-0.04674	0.31352	-0.10659	0.02123	-0.07648	0.09881
1.68E-15	0.453387	4.70E-25	0.048575	0.29486	0.043614	0.347	0.027728	0.55003
2.91E-32	0.466922	1.16E-26	0.04057	0.38172	0.068554	0.13908	0.161691	0.00045
8.98E-22	0.4812	1.94E-28	0.000827	0.98578	0.050212	0.27886	-0.02821	0.54309
1.55E-27	-0.47593	8.99E-28	-0.17362	0.00016	-0.15722	0.00065	-0.17473	0.00015
3.80E-28	0.433182	8.77E-23	0.043797	0.34498	0.082461	0.07503	0.096775	0.03656
6.48E-33	0.50721	6.75E-32	0.109503	0.01792	0.154299	0.00082	0.048768	0.29294
4.70E-42	0.588864	6.32E-45	0.131666	0.00437	0.107337	0.02034	0.173997	0.00016
3.42E-20	0.483867	8.85E-29	0.188158	4.28E-05	0.064297	0.16539	0.244763	8.47E-08
1.48E-26	0.467032	1.12E-26	0.001796	0.96912	0.047883	0.3018	0.030107	0.51632
7.60E-48	0.621815	2.60E-51	0.026434	0.56881	0.046257	0.31854	0.167138	0.00029
8.23E-10	0.173381	0.00017	-0.05263	0.25632	-0.08836	0.05638	0.001462	0.97487
3.84E-22	0.484341	7.69E-29	0.011949	0.79676	0.074029	0.11011	0.165023	0.00034
8.69E-55	0.716598	9.04E-75	0.026821	0.56316	0.149898	0.00116	0.152824	0.00092
4.21E-55	0.733402	5.72E-80	-0.03571	0.44138	0.123278	0.00765	0.144658	0.00172
1.13E-42	0.650137	1.92E-57	0.00533	0.90855	0.063128	0.17322	0.118532	0.01036
2.01E-05	-0.16605	0.00031	-0.01364	0.76879	-0.01954	0.67359	0.01094	0.8136
1.51E-12	-0.30248	2.45E-11	-0.01945	0.67507	-0.01735	0.70847	0.020754	0.65463
1.17E-29	-0.51975	1.13E-33	-0.14312	0.00193	-0.11576	0.0123	-0.23726	2.13E-07
2.15E-69	0.774983	1.01E-94	0.081905	0.07703	0.050103	0.27991	0.296516	6.23E-11
4.29E-47	0.571285	8.28E-42	0.068524	0.13925	0.035787	0.44038	0.0909	0.04963
7.20E-31	0.492875	5.92E-30	0.043607	0.34708	0.0373	0.42129	-0.00113	0.98057
3.53E-31	0.45587	2.41E-25	-0.01954	0.67368	0.027504	0.55325	0.061521	0.18445
3.40E-54	0.62326	1.31E-51	0.018944	0.68303	0.094498	0.04123	0.113763	0.0139
1.11E-12	0.387434	3.57E-18	0.090026	0.05187	0.066572	0.15089	0.081483	0.07856
1.96E-35	0.616138	3.71E-50	-0.07745	0.09457	0.074796	0.10646	0.066714	0.15002
1.19E-27	0.470805	3.88E-27	0.050584	0.27532	0.064236	0.16579	0.223865	1.02E-06
3.61E-76	0.725825	1.41E-77	0.031716	0.49414	0.062428	0.17805	0.095253	0.03963
1.58E-57	0.677934	3.92E-64	0.037112	0.42364	0.06052	0.19171	0.282779	4.91E-10
6.52E-71	0.68518	5.32E-66	0.040195	0.38614	0.092749	0.04515	0.171131	0.0002
2.55E-39	0.55079	2.10E-38	0.181996	7.64E-05	0.059332	0.20059	0.17986	9.29E-05
2.24E-09	0.170259	0.00022	-0.04816	0.29896	0.088069	0.0572	0.021623	0.64115
1.95E-40	0.59435	6.14E-46	0.013359	0.7734	0.029423	0.52591	0.052294	0.25939
1.08E-34	0.519628	1.18E-33	0.075738	0.10212	0.002965	0.94906	0.119373	0.00982
8.89E-25	0.411015	1.84E-20	0.024403	0.59888	-0.01816	0.69544	0.067758	0.14374
1.10E-10	0.387502	3.51E-18	-0.01194	0.79695	0.080166	0.08353	0.180548	8.73E-05

4.11E-17	0.32975	2.62E-13	0.033809	0.46609	0.040172	0.38641	-0.0385	0.40649
1.57E-61	0.697091	3.43E-69	0.061883	0.18188	0.140779	0.00229	0.142374	0.00204
4.72E-16	-0.49736	1.49E-30	-0.10046	0.02996	-0.17424	0.00015	-0.03092	0.50505
3.07E-28	0.444112	5.41E-24	-0.06191	0.18168	0.120364	0.00923	0.084722	0.06736
8.92E-32	0.545794	1.31E-37	-0.04143	0.37172	0.068164	0.14135	0.211018	4.23E-06
2.32E-35	0.535025	6.12E-36	0.029388	0.5264	0.133819	0.00377	0.178975	0.0001
4.37E-74	0.75108	6.98E-86	0.0318	0.493	0.076155	0.10024	0.156751	0.00068
3.70E-34	0.493647	4.67E-30	-0.03665	0.42939	0.023185	0.61724	-0.09512	0.03991
1.18E-25	0.432325	1.09E-22	-0.02109	0.64939	0.063018	0.17398	0.158823	0.00057
4.31E-76	0.77865	3.57E-96	0.110446	0.01696	0.122435	0.00808	0.250252	4.23E-08
7.12E-38	0.638175	8.94E-55	0.023289	0.61567	0.107555	0.02008	0.177796	0.00011
1.23E-29	0.355753	2.23E-15	0.018397	0.69172	0.04406	0.34209	0.211065	4.21E-06
4.01E-61	0.691572	1.08E-67	0.060812	0.18957	0.115554	0.01246	0.273718	1.80E-09
0.01049	0.126556	0.00617	-0.01853	0.68953	-0.02181	0.63833	-0.1949	2.22E-05
3.51E-46	0.625868	3.76E-52	0.074464	0.10803	0.108529	0.01898	0.188898	3.99E-05
2.85E-41	0.528259	6.38E-35	0.041333	0.37283	0.119887	0.00951	0.099713	0.03121
2.11E-26	0.543425	3.09E-37	-0.00578	0.9009	0.060364	0.19286	0.028124	0.54435
3.47E-37	0.52855	5.77E-35	0.00897	0.8467	0.07957	0.08586	0.047728	0.30337
1.87E-78	0.812021	#####	0.102014	0.0275	0.142954	0.00196	0.18151	7.99E-05
9.60E-25	0.490887	1.08E-29	0.009335	0.84055	0.074831	0.1063	-0.03673	0.42838
1.55E-31	0.512103	1.40E-32	0.037023	0.42475	0.147614	0.00138	0.172566	0.00018
1.11E-25	0.397359	4.09E-19	-0.0029	0.95011	0.051082	0.27062	0.140937	0.00227
3.30E-53	0.574391	2.40E-42	0.022195	0.63235	0.070369	0.12889	0.137147	0.00298
1.56E-28	0.491101	1.01E-29	0.053345	0.24993	0.144218	0.00178	0.25723	1.71E-08
2.80E-55	0.613123	1.49E-49	0.030949	0.50466	0.073966	0.11042	0.189858	3.64E-05
3.23E-11	0.295749	7.01E-11	-0.07014	0.13015	-0.00706	0.87906	0.112822	0.01471
2.84E-17	0.271174	2.58E-09	-0.04323	0.35129	-0.0805	0.08225	0.180569	8.71E-05
1.45E-14	0.274161	1.70E-09	-0.07805	0.09205	-0.03505	0.44991	0.104478	0.02395
3.37E-52	0.594661	5.37E-46	0.016931	0.71516	0.022376	0.62958	0.283579	4.37E-10
1.88E-52	0.686205	2.87E-66	0.08398	0.06981	0.078878	0.08863	0.127252	0.00589
1.41E-19	0.485888	4.85E-29	0.12209	0.00826	0.101805	0.02782	0.098049	0.03415
7.35E-42	0.482569	1.30E-28	0.046134	0.31982	0.002052	0.96472	0.058229	0.2091
3.50E-19	0.379778	1.80E-17	-0.07135	0.12365	0.065736	0.15611	0.301803	2.73E-11
1.91E-28	0.44759	2.18E-24	0.032362	0.48539	-0.01546	0.73894	-0.04384	0.34454
5.48E-23	0.273841	1.77E-09	-0.06442	0.16457	0.033494	0.47025	-0.00967	0.83484
1.62E-31	0.524483	2.31E-34	-0.03589	0.43907	0.116066	0.01207	-0.05702	0.21875
7.32E-55	0.697932	2.01E-69	-0.00045	0.99228	0.12591	0.00644	0.108456	0.01906
4.67E-26	0.493741	4.54E-30	0.05852	0.20684	0.060528	0.19165	0.010137	0.82705
2.86E-21	0.43692	3.42E-23	0.130548	0.00472	0.113966	0.01373	0.194979	2.21E-05
1.20E-49	0.701155	2.57E-70	0.158078	0.00061	0.176284	0.00013	0.164093	0.00037
9.95E-34	0.574317	2.47E-42	0.049831	0.28254	0.042639	0.3579	0.220879	1.43E-06
1.36E-42	0.674021	3.79E-63	0.203445	9.37E-06	0.161316	0.00047	0.154616	0.0008
1.61E-33	0.419503	2.49E-21	-0.05286	0.25428	-0.02505	0.58917	0.116676	0.01163
2.73E-33	0.47562	9.81E-28	0.168618	0.00025	0.024245	0.60125	0.259957	1.19E-08
1.12E-35	0.555653	3.44E-39	-0.04465	0.33569	0.090226	0.05135	0.190996	3.26E-05

3.66E-53	0.680753	7.47E-65	0.044452	0.33781	0.079985	0.08424	0.046732	0.31358
1.74E-27	0.453826	4.18E-25	-0.0402	0.38607	0.042024	0.36487	0.145154	0.00166
7.83E-32	0.574523	2.28E-42	0.048288	0.29773	0.122357	0.00812	0.272499	2.14E-09
7.55E-37	0.572032	6.15E-42	0.094647	0.04091	0.057032	0.21864	0.270353	2.89E-09
4.87E-22	0.458709	1.12E-25	0.039927	0.38932	-0.0135	0.77111	0.11796	0.01073
1.06E-15	0.279446	7.97E-10	0.003912	0.93281	0.075006	0.10548	0.135939	0.00325
4.37E-46	0.613331	1.35E-49	0.11611	0.01204	0.083039	0.07301	0.095098	0.03995
1.73E-37	0.589059	5.82E-45	0.089665	0.05282	0.201293	1.17E-05	0.367086	2.41E-16
2.86E-18	0.354491	2.83E-15	0.052845	0.2544	0.046934	0.3115	0.13576	0.00329
5.56E-31	0.479568	3.13E-28	0.01728	0.70956	0.063272	0.17224	0.015638	0.73608
2.18E-17	0.327346	3.99E-13	-0.05926	0.20118	-0.10076	0.02947	0.259077	1.34E-08
2.64E-07	0.238422	1.85E-07	-0.03384	0.46563	0.013329	0.7739	-0.12428	0.00717
4.16E-27	0.466787	1.20E-26	0.041529	0.37055	0.047001	0.3108	0.307466	1.11E-11
1.40E-15	0.300501	3.35E-11	0.04521	0.32962	-0.04898	0.29087	-0.11313	0.01444
9.14E-33	0.51368	8.36E-33	0.058383	0.2079	0.04536	0.32802	0.029682	0.52226
9.98E-14	-0.21169	3.93E-06	-0.09224	0.04634	-0.12741	0.00583	-0.14451	0.00174
2.39E-22	-0.44987	1.20E-24	-0.06549	0.15768	-0.0513	0.26859	-0.12914	0.00519
7.45E-58	0.745464	5.97E-84	0.068275	0.1407	0.177845	0.00011	0.195243	2.15E-05
3.69E-41	0.542188	4.82E-37	-0.01925	0.67826	0.082584	0.0746	0.053035	0.25269
1.88E-22	0.423921	8.59E-22	0.016484	0.72237	-0.03448	0.45733	-0.03376	0.4667
4.84E-15	0.31538	3.04E-12	-0.05665	0.22177	0.051068	0.27075	-0.02205	0.6346
4.12E-34	0.651069	1.18E-57	0.10855	0.01895	0.122197	0.0082	0.168874	0.00025
4.12E-16	0.359988	9.80E-16	0.387474	3.54E-18	0.117785	0.01085	0.077743	0.09333
1.04E-12	0.285843	3.13E-10	0.072501	0.11767	-0.08403	0.06964	-0.02927	0.528
7.63E-43	0.667777	1.32E-61	0.211791	3.89E-06	0.087622	0.05848	-0.01768	0.70319
2.80E-11	0.230098	4.99E-07	-0.05743	0.21543	-0.07856	0.08994	0.020752	0.65467
1.07E-13	0.420058	2.18E-21	0.042339	0.36129	0.081442	0.07872	0.093651	0.04309
2.87E-68	0.732293	1.30E-79	0.092743	0.04516	0.151447	0.00103	0.233852	3.20E-07
1.03E-46	0.517657	2.26E-33	-0.02547	0.58304	0.044921	0.33273	0.081933	0.07692
3.07E-67	0.747344	1.36E-84	0.072573	0.11731	0.125925	0.00643	0.110303	0.0171
2.80E-73	0.754255	5.36E-87	0.038836	0.40241	0.131704	0.00436	0.108691	0.0188
6.97E-30	0.583397	6.17E-44	-0.01716	0.71141	0.10192	0.02764	0.140343	0.00237
1.45E-40	0.570906	9.61E-42	-0.00822	0.85945	0.052929	0.25365	0.122234	0.00818
3.01E-40	0.553873	6.69E-39	0.066739	0.14987	0.026361	0.56987	0.069594	0.13317
7.71E-14	0.253504	2.78E-08	0.029723	0.5217	0.0099	0.83104	0.194176	2.39E-05
4.57E-41	0.534142	8.33E-36	0.158402	0.00059	0.004402	0.92442	0.08994	0.0521
5.10E-59	0.669171	6.03E-62	0.048398	0.29662	0.072045	0.12001	0.139438	0.00253
3.64E-61	0.708358	2.34E-72	0.104283	0.02422	0.049665	0.28415	0.03999	0.38856
3.58E-45	0.626466	2.82E-52	0.111293	0.01612	0.063625	0.16986	0.093874	0.04259
1.06E-13	0.318549	1.79E-12	-0.07629	0.09962	0.048335	0.29726	-0.19572	2.05E-05
1.48E-31	0.410415	2.12E-20	-0.03675	0.42814	0.034222	0.46065	0.066909	0.14884
2.59E-26	0.445735	3.55E-24	-0.01408	0.76158	0.11417	0.01356	0.168697	0.00025
1.39E-47	0.660382	7.96E-60	0.002219	0.96186	0.111531	0.0159	0.137435	0.00292
6.52E-19	0.574672	2.15E-42	0.062188	0.17973	0.10198	0.02755	0.000135	0.99767
1.12E-55	0.585761	2.32E-44	0.033567	0.46928	0.061227	0.18656	0.13362	0.00382

7.57E-54	0.688032	9.46E-67	0.00982	0.83239	0.118275	0.01053	0.066955	0.14856
5.57E-83	0.852278	#####	0.077346	0.09502	0.122798	0.00789	0.225012	8.98E-07
2.75E-15	0.288497	2.11E-10	0.017735	0.70227	-0.03005	0.5171	-0.05622	0.22528
1.94E-26	0.46932	5.91E-27	0.047047	0.31033	0.064081	0.16682	0.041642	0.36925
3.14E-27	0.498997	8.99E-31	-0.03608	0.43667	0.007053	0.87918	0.238994	1.72E-07
3.54E-43	0.554133	6.08E-39	0.090617	0.05034	0.046996	0.31085	0.15361	0.00087
1.85E-38	0.554183	5.96E-39	0.04738	0.30691	0.047336	0.30736	0.027547	0.55263
8.17E-62	0.694405	1.86E-68	-0.01189	0.7978	0.114544	0.01326	0.214576	2.88E-06
6.82E-35	0.583974	4.86E-44	0.042594	0.35841	0.066443	0.15169	0.295778	6.98E-11
5.89E-13	-0.2904	1.58E-10	0.114314	0.01344	0.01383	0.76564	0.123735	0.00743
8.52E-26	0.38708	3.85E-18	-0.02036	0.66084	-0.12157	0.00854	0.142569	0.00201
2.45E-18	0.331166	2.05E-13	0.097255	0.03564	0.061934	0.18152	0.154382	0.00082
3.32E-34	0.512554	1.21E-32	0.071442	0.12315	-0.07383	0.11109	0.239012	1.72E-07
3.30E-25	0.518081	1.97E-33	-0.0016	0.97256	0.154534	0.00081	-0.03017	0.51541
8.25E-27	0.371968	9.02E-17	0.02305	0.6193	-0.05914	0.20207	0.164557	0.00036
5.24E-55	0.574455	2.34E-42	0.071117	0.12486	0.068408	0.13992	0.071998	0.12025
2.69E-32	0.494453	3.65E-30	0.087561	0.05866	0.089524	0.0532	0.257933	1.56E-08
5.80E-19	0.485064	6.20E-29	0.018906	0.68363	-0.00685	0.88258	0.173851	0.00016
1.70E-61	0.655878	9.11E-59	0.050292	0.27811	0.043092	0.35281	0.20538	7.67E-06
6.60E-57	0.690773	1.77E-67	0.055451	0.23169	0.076834	0.09724	0.071002	0.12548
9.12E-15	0.406205	5.58E-20	0.071605	0.12229	0.12281	0.00789	-0.06841	0.13992
4.66E-17	0.419474	2.51E-21	0.013621	0.76908	0.08226	0.07575	0.02299	0.62022
4.63E-31	-0.50079	5.14E-31	0.013479	0.77143	-0.10837	0.01915	-0.09392	0.0425
1.22E-21	0.417688	3.84E-21	-0.05627	0.22485	0.061772	0.18266	0.224106	9.96E-07
9.27E-31	0.52758	8.05E-35	-0.02541	0.58385	0.086165	0.06281	0.21103	4.22E-06
1.30E-50	0.666176	3.24E-61	-0.03777	0.41543	0.036567	0.43048	0.104056	0.02453
5.00E-38	0.597756	1.41E-46	0.173609	0.00016	0.12164	0.0085	-0.04509	0.33092
4.94E-54	0.593523	8.75E-46	0.016151	0.72775	0.068444	0.13971	0.077883	0.09274
2.42E-49	0.587783	9.95E-45	-0.01077	0.81641	-0.00664	0.88621	0.042472	0.35978
2.75E-51	0.635287	3.78E-54	0.098232	0.03382	0.091541	0.04804	0.123346	0.00762
0.00924	0.168798	0.00025	0.02304	0.61945	-0.07166	0.12199	0.016202	0.72693
1.37E-40	0.53474	6.76E-36	0.007208	0.87654	0.043257	0.35097	0.030426	0.51189
8.09E-07	0.294982	7.89E-11	0.024133	0.60293	0.045022	0.33164	-0.01894	0.68305
9.67E-25	0.536389	3.79E-36	0.073508	0.11264	0.023769	0.60841	0.289111	1.92E-10
2.51E-17	0.464347	2.37E-26	0.076916	0.09688	0.076685	0.09789	-0.15562	0.00074
2.53E-50	0.605078	5.64E-48	0.060103	0.19479	0.05855	0.2066	0.019689	0.67129
1.69E-19	0.419684	2.38E-21	0.053544	0.24816	0.010738	0.81698	-0.06132	0.18586
3.25E-19	0.348959	8.08E-15	-0.03519	0.44799	-0.047	0.31086	0.055872	0.22816
1.47E-33	0.518941	1.48E-33	0.096503	0.03709	0.079596	0.08576	0.221599	1.32E-06
1.52E-43	0.562028	3.06E-40	0.041165	0.37477	-0.00824	0.85901	0.041229	0.37403
1.14E-48	0.675248	1.87E-63	0.151098	0.00106	0.080535	0.08212	0.161609	0.00045
6.67E-18	0.470759	3.93E-27	0.037131	0.4234	0.143092	0.00194	0.024722	0.5941
8.45E-40	0.568092	2.91E-41	0.012958	0.78002	0.07018	0.12992	0.096602	0.0369
9.52E-15	0.369419	1.51E-16	0.027259	0.5568	-0.02647	0.56822	-0.04168	0.36886
1.42E-49	0.659312	1.43E-59	0.103662	0.02508	0.099818	0.03103	0.197456	1.72E-05

5.40E-39	0.514791	5.81E-33	0.04415	0.3411	0.017522	0.70567	-0.00037	0.99359
2.87E-26	0.314098	3.76E-12	0.0396	0.39322	0.014772	0.75019	0.083667	0.07086
1.06E-42	0.650911	1.28E-57	0.086628	0.06141	0.12791	0.00564	0.135102	0.00344
3.62E-43	0.592255	1.50E-45	-0.01527	0.74207	-0.00737	0.87375	0.133208	0.00393
5.17E-37	0.562733	2.33E-40	0.01178	0.79958	0.030176	0.51537	0.150498	0.00111
2.02E-27	0.512413	1.26E-32	0.008691	0.85142	0.034562	0.45621	0.086509	0.06177
1.91E-17	0.450884	9.16E-25	0.021143	0.64858	0.085011	0.06643	-0.13701	0.00301
6.09E-61	0.725714	1.53E-77	0.006746	0.88441	0.105431	0.02269	0.075577	0.10285
3.35E-34	0.544882	1.83E-37	0.042184	0.36305	0.089384	0.05357	0.151111	0.00105
2.48E-40	0.597213	1.79E-46	0.120404	0.0092	0.10954	0.01789	0.116335	0.01188
5.00E-24	0.412293	1.37E-20	-0.01488	0.74842	0.011713	0.8007	0.018377	0.69203
1.07E-38	0.649656	2.47E-57	0.10736	0.02031	0.122882	0.00785	0.011523	0.80386
4.84E-24	0.520243	9.58E-34	0.133133	0.00395	0.140025	0.00242	0.04655	0.31547
8.68E-41	0.588299	8.01E-45	0.000591	0.98984	0.051443	0.26724	0.031894	0.49173
6.39E-46	0.59034	3.39E-45	0.05305	0.25256	0.111511	0.01592	0.109777	0.01764
5.09E-35	0.467688	9.35E-27	0.055884	0.22806	-0.01377	0.76662	0.120079	0.00939
1.54E-11	0.202443	1.04E-05	0.000532	0.99085	-0.01106	0.81157	-0.03535	0.44601
5.09E-19	0.33408	1.22E-13	0.031823	0.49269	-0.03382	0.46597	0.035598	0.4428
2.41E-15	0.484401	7.55E-29	0.008239	0.85905	0.067217	0.14697	0.121994	0.00831
4.22E-22	0.500349	5.90E-31	0.034286	0.4598	0.067903	0.14288	-0.0427	0.35725
2.21E-08	0.216406	2.36E-06	-0.11347	0.01415	0.043569	0.3475	-0.0485	0.29557
8.76E-37	0.467002	1.13E-26	0.113837	0.01384	-0.01386	0.7651	-0.03353	0.46977
1.33E-13	0.268226	3.88E-09	-0.14418	0.00179	0.061701	0.18317	-0.06933	0.13466
2.60E-32	0.564556	1.15E-40	-0.01189	0.79769	0.132762	0.00405	0.091273	0.04869
8.62E-49	0.713271	8.72E-74	0.09945	0.03166	0.132025	0.00426	0.086914	0.06055
6.91E-40	0.58069	1.88E-43	0.032307	0.48614	0.027931	0.54711	0.190288	3.49E-05
4.02E-40	0.517816	2.15E-33	0.028991	0.532	0.029117	0.53022	0.146887	0.00146
2.35E-65	0.701434	2.15E-70	0.040214	0.38591	0.070917	0.12593	0.136867	0.00304
1.78E-16	0.353842	3.21E-15	-0.04923	0.28841	0.017861	0.70026	-0.05425	0.24199
1.12E-18	0.36553	3.29E-16	0.050536	0.27577	-0.02119	0.64786	0.221743	1.30E-06
2.65E-14	0.322556	9.09E-13	-0.05125	0.26899	-0.0575	0.21486	-0.06126	0.18636
1.15E-51	0.714585	3.57E-74	0.073921	0.11063	0.160179	0.00051	0.087972	0.05748
9.86E-23	0.400596	1.99E-19	-0.0506	0.27515	0.011078	0.81128	0.11575	0.01231
1.27E-61	0.7423	6.95E-83	0.107531	0.02011	0.144661	0.00172	0.182762	7.11E-05
2.49E-22	-0.45588	2.41E-25	-0.058	0.21093	-0.08369	0.07079	-0.09229	0.04623
9.00E-11	-0.25091	3.89E-08	-0.01393	0.76397	0.066931	0.1487	0.039937	0.38919
4.19E-06	0.216689	2.29E-06	-0.00901	0.84604	0.033528	0.46979	-0.09727	0.03561
4.33E-72	0.760796	2.38E-89	0.122402	0.0081	0.102349	0.02699	0.14569	0.0016
7.80E-75	0.774954	1.04E-94	0.108158	0.01939	0.116358	0.01186	0.232265	3.87E-07
9.96E-47	0.654623	1.78E-58	0.054807	0.23717	0.051795	0.26397	0.075764	0.102
8.17E-49	0.66092	5.93E-60	0.005629	0.90344	0.115431	0.01255	0.145403	0.00163
4.45E-43	0.641985	1.30E-55	-0.03968	0.3923	0.106477	0.02137	0.108688	0.0188
6.31E-32	0.587973	9.19E-45	0.070042	0.13068	0.091174	0.04894	0.11063	0.01677
6.29E-13	-0.30867	9.12E-12	-0.05279	0.2549	-0.08418	0.06915	-0.25109	3.80E-08
5.85E-40	0.592544	1.33E-45	-0.05425	0.24199	0.138191	0.00277	0.187752	4.45E-05

4.81E-84	0.556477	2.52E-39	0.053845	0.24551	0.030521	0.51056	0.162298	0.00043
8.75E-51	0.611627	2.95E-49	0.066003	0.15443	0.086766	0.06099	-0.00273	0.95315
3.13E-31	0.638551	7.40E-55	0.061607	0.18384	0.131258	0.00449	0.022352	0.62995
8.19E-13	0.234376	3.01E-07	-0.03731	0.42117	-0.00475	0.91848	-0.12954	0.00505
4.71E-37	0.479001	3.69E-28	0.000887	0.98475	-0.0169	0.71565	0.232987	3.55E-07
2.28E-14	0.292618	1.13E-10	-0.11249	0.01501	0.056168	0.22571	-0.01919	0.67918
1.32E-31	0.501771	3.78E-31	0.082019	0.07662	-0.0391	0.39927	0.047069	0.31011
1.84E-07	0.319265	1.59E-12	-0.12685	0.00605	0.014815	0.74948	-0.04444	0.33792
1.21E-36	0.550684	2.19E-38	0.045646	0.32498	0.031373	0.49884	0.077673	0.09363
8.81E-36	0.488859	2.00E-29	0.083109	0.07277	0.127043	0.00597	0.130348	0.00478
7.75E-35	0.531911	1.81E-35	-0.03832	0.40867	0.010572	0.81976	-0.00112	0.98073
4.37E-26	0.438838	2.10E-23	0.119097	0.01	0.001483	0.97451	-0.12232	0.00814
1.25E-46	0.649888	2.19E-57	0.16487	0.00035	0.072385	0.11826	0.115895	0.0122
1.62E-19	0.359399	1.10E-15	-0.07528	0.10419	0.002302	0.96043	-0.08165	0.07795
3.41E-52	0.545036	1.73E-37	0.035328	0.44628	0.020841	0.65327	0.136991	0.00301
3.25E-18	0.329603	2.69E-13	-0.00939	0.83966	0.057273	0.21669	0.119702	0.00962
1.73E-52	0.659139	1.57E-59	0.073706	0.11168	0.068122	0.14159	0.204382	8.51E-06
2.81E-61	0.497476	1.44E-30	-0.03331	0.4727	0.009908	0.8309	0.106972	0.02077
8.75E-43	0.610473	4.98E-49	0.075723	0.10218	0.037078	0.42406	0.16101	0.00048
5.65E-30	0.484818	6.67E-29	0.1082	0.01934	0.142688	0.00199	-0.01865	0.68772
3.86E-46	0.629339	7.04E-53	-0.00926	0.84173	0.087993	0.05742	0.141014	0.00225
4.17E-16	0.45568	2.54E-25	-0.03446	0.45759	0.07957	0.08586	0.051701	0.26484
6.03E-48	0.628481	1.07E-52	0.022633	0.62565	0.078918	0.08847	0.052951	0.25345
4.80E-62	0.709983	7.94E-73	0.042099	0.36402	0.12163	0.00851	0.179865	9.29E-05
1.59E-31	-0.62012	5.78E-51	-0.09484	0.04049	-0.13743	0.00292	-0.14367	0.00185
4.03E-41	0.51684	2.96E-33	0.142413	0.00204	-0.00995	0.83027	0.119332	0.00985
9.31E-55	0.652994	4.25E-58	0.107832	0.01976	0.110497	0.0169	-0.00484	0.91693
6.25E-54	0.642493	1.00E-55	0.010572	0.81976	0.055031	0.23525	0.079509	0.08611
5.09E-17	0.474121	1.51E-27	0.030438	0.51172	0.13898	0.00261	-0.0337	0.46749
2.53E-15	0.285333	3.37E-10	0.038199	0.41018	0.003535	0.93927	0.209338	5.06E-06
2.56E-38	0.585076	3.08E-44	0.023302	0.61547	0.015882	0.73211	0.042576	0.3586
2.31E-31	0.434792	5.86E-23	0.123267	0.00766	-0.09381	0.04274	0.006036	0.89649
2.00E-10	0.286292	2.93E-10	-0.08816	0.05693	-0.01537	0.74048	0.052619	0.25644
2.80E-16	-0.39437	7.91E-19	-0.09138	0.04844	-0.17411	0.00016	-0.09269	0.04529
2.40E-29	0.505282	1.25E-31	-0.07229	0.11877	0.169446	0.00023	0.151701	0.00101
3.94E-22	0.409037	2.91E-20	-0.06676	0.14977	0.063346	0.17175	0.285695	3.20E-10
4.30E-09	0.365347	3.41E-16	0.198541	1.55E-05	0.090515	0.0506	0.08963	0.05291
1.35E-48	0.617421	2.04E-50	0.071301	0.12389	0.052528	0.25727	0.0283	0.54183
6.79E-26	0.401811	1.51E-19	-0.02659	0.56657	-0.02053	0.65817	0.145798	0.00158
2.29E-32	0.556853	2.19E-39	0.073028	0.11502	-0.03956	0.39369	0.170047	0.00022
3.31E-21	0.348402	8.97E-15	0.028496	0.53903	0.100519	0.02986	0.008678	0.85163
6.62E-51	0.648034	5.77E-57	0.000428	0.99264	0.006909	0.88162	0.151737	0.001
1.16E-41	0.546744	9.28E-38	0.134036	0.00371	0.012602	0.78593	0.036073	0.43674
2.13E-54	0.593704	8.10E-46	-0.03575	0.44086	0.065525	0.15744	0.130933	0.0046
7.50E-28	0.517817	2.15E-33	0.009393	0.83957	0.017833	0.70071	0.211958	3.82E-06



3.21E-36	0.582794	7.91E-44	0.019147	0.67983	0.049292	0.28778	0.045915	0.32213
3.59E-30	0.553017	9.21E-39	-0.01801	0.69785	0.00141	0.97575	0.146419	0.00151
1.22E-18	0.390662	1.78E-18	0.013418	0.77243	0.045612	0.32534	0.003347	0.9425
4.64E-24	0.392865	1.10E-18	-0.0197	0.67108	0.004602	0.92099	0.113606	0.01403
3.10E-55	0.715002	2.69E-74	0.03514	0.4487	0.104969	0.02329	0.041269	0.37356
2.28E-23	-0.54538	1.52E-37	-0.18176	7.81E-05	-0.10835	0.01917	-0.2108	4.33E-06
3.22E-65	0.699275	8.57E-70	0.118271	0.01053	0.125805	0.00648	0.236523	2.33E-07
1.28E-09	0.364592	3.96E-16	-0.00062	0.98939	0.055501	0.23127	0.127862	0.00566
6.47E-19	0.524311	2.44E-34	-0.10892	0.01855	0.113992	0.01371	-0.00657	0.88735
5.16E-68	0.708864	1.67E-72	-0.00656	0.88759	0.081086	0.08004	0.186577	4.97E-05
4.06E-09	0.287111	2.59E-10	-0.07993	0.08447	0.059662	0.19809	-0.09242	0.04592
1.28E-65	0.701397	2.20E-70	0.115212	0.01272	0.024157	0.60257	0.173401	0.00017
2.62E-73	0.760816	2.34E-89	0.059798	0.19707	0.047642	0.30424	0.158979	0.00056
2.58E-08	-0.2412	1.32E-07	-0.01845	0.69082	-0.01576	0.73415	-0.08534	0.06539
2.48E-66	0.729931	7.30E-79	0.106904	0.02085	0.152098	0.00098	0.081215	0.07956
3.45E-23	0.518756	1.57E-33	0.13059	0.0047	0.192194	2.90E-05	0.00866	0.85193
1.15E-27	0.478632	4.11E-28	0.173301	0.00017	0.132268	0.00419	0.155451	0.00075
4.13E-45	0.679518	1.55E-64	0.107706	0.01991	0.152309	0.00096	0.145452	0.00162
1.02E-32	0.467066	1.11E-26	0.004483	0.92304	-0.01068	0.818	0.187287	4.65E-05
1.92E-40	0.624835	6.17E-52	-0.018	0.698	0.083793	0.07043	0.052334	0.25903
2.86E-18	0.480126	2.66E-28	0.000684	0.98823	0.059749	0.19744	0.184538	6.03E-05
1.25E-17	0.306091	1.38E-11	-0.02728	0.55654	-0.00963	0.83556	0.079034	0.088
6.45E-30	0.44708	2.50E-24	-0.00574	0.90155	0.050787	0.2734	-0.04493	0.33265
1.93E-68	0.725822	1.41E-77	0.077468	0.0945	0.089552	0.05312	0.175834	0.00013
3.69E-47	0.633314	1.00E-53	0.065309	0.15882	0.067152	0.14736	0.253479	2.79E-08
1.80E-73	0.716275	1.13E-74	0.056499	0.22298	0.063104	0.17339	0.081882	0.07711
2.83E-11	0.33375	1.30E-13	-0.15439	0.00082	-0.01566	0.73573	-0.06256	0.17712
1.18E-52	0.696697	4.40E-69	0.087255	0.05955	0.106235	0.02167	0.28439	3.88E-10
2.92E-08	0.280999	6.36E-10	-0.0265	0.56788	-0.03176	0.49356	0.227278	6.92E-07
5.98E-12	0.305917	1.42E-11	-0.04428	0.33969	-0.00266	0.95434	0.159304	0.00055
2.69E-17	0.261284	9.98E-09	-0.1419	0.00211	-0.05686	0.22006	0.086604	0.06148
4.77E-05	0.180353	8.88E-05	-0.04935	0.28723	0.036671	0.42917	0.069985	0.131
5.32E-28	0.474847	1.23E-27	0.041486	0.37106	-0.02087	0.65282	0.040152	0.38665
2.79E-22	0.506887	7.49E-32	0.194971	2.21E-05	0.143309	0.0019	0.122972	0.0078
1.45E-13	0.341846	3.02E-14	-0.00986	0.83171	0.011821	0.7989	-0.13937	0.00254
3.75E-14	0.416822	4.71E-21	0.060715	0.19028	0.127124	0.00594	-0.12273	0.00792
1.00E-13	0.396969	4.46E-19	-0.04606	0.32065	0.013051	0.77849	0.152062	0.00098
2.22E-32	0.376268	3.74E-17	0.026545	0.56719	-0.02085	0.6532	0.035172	0.44829
4.08E-49	0.623753	1.03E-51	0.039817	0.39062	0.070458	0.1284	0.165036	0.00034
3.33E-32	0.610178	5.70E-49	-0.03484	0.45256	0.123763	0.00741	0.150645	0.00109
3.92E-59	0.669699	4.48E-62	0.022869	0.62205	0.068656	0.13849	0.209243	5.11E-06
2.05E-07	0.239921	1.54E-07	-0.05971	0.19777	-0.01813	0.69602	-0.13893	0.00262
1.21E-54	0.56134	3.98E-40	0.055381	0.23228	-0.00149	0.9743	0.082913	0.07345
2.24E-46	0.563537	1.71E-40	-0.00516	0.91148	0.08499	0.0665	0.125839	0.00647
3.93E-68	0.741968	8.97E-83	0.076549	0.09849	0.076838	0.09722	0.27292	2.02E-09

1.40E-39	0.51998	1.05E-33	0.039051	0.39981	0.015486	0.73855	0.106833	0.02094
3.14E-44	0.620758	4.28E-51	0.028871	0.5337	0.03847	0.40686	0.058819	0.20452
5.48E-13	0.337132	7.09E-14	0.011951	0.79674	0.018403	0.69162	-0.08053	0.08213
2.65E-31	0.522012	5.30E-34	-0.06325	0.17241	0.088502	0.05598	0.161165	0.00047
1.00E-13	0.304286	1.84E-11	-0.00679	0.88364	0.041811	0.36731	0.108967	0.0185
6.24E-31	0.543516	2.99E-37	0.160284	0.00051	0.118891	0.01013	0.293617	9.72E-11
7.90E-52	0.627567	1.66E-52	0.055311	0.23287	0.067936	0.14268	0.12927	0.00515
2.79E-41	0.560409	5.68E-40	0.053304	0.2503	0.01762	0.70411	0.093243	0.04401
1.34E-26	0.480793	2.19E-28	0.046058	0.32062	0.039243	0.3975	0.184902	5.83E-05
1.08E-35	0.621564	2.92E-51	0.103535	0.02526	0.110884	0.01652	0.141447	0.00218
6.67E-38	0.48177	1.64E-28	0.105772	0.02225	0.087139	0.05989	0.255008	2.29E-08
7.02E-38	0.608138	1.43E-48	0.061583	0.18401	0.088073	0.05719	0.071218	0.12433
4.92E-26	0.478027	4.89E-28	0.025955	0.57584	0.064828	0.16192	0.17332	0.00017
2.31E-41	0.604123	8.63E-48	0.093573	0.04327	0.051245	0.26908	0.073738	0.11152
1.58E-27	0.431656	1.28E-22	0.022806	0.62301	0.014707	0.75125	0.31651	2.52E-12
1.97E-49	0.568373	2.61E-41	0.014209	0.75942	0.055192	0.23388	0.061617	0.18377
1.17E-18	0.368864	1.69E-16	-0.03829	0.40902	-0.04054	0.38209	0.285871	3.11E-10
7.18E-62	0.699719	6.46E-70	0.125444	0.00664	0.014597	0.75305	0.10901	0.01845
2.97E-50	0.576256	1.14E-42	0.067859	0.14314	0.109875	0.01754	0.215468	2.61E-06
8.21E-35	0.485074	6.18E-29	-0.0831	0.07278	0.0354	0.44535	0.081898	0.07705
8.36E-40	0.52455	2.25E-34	0.120576	0.0091	0.000452	0.99222	0.159395	0.00055
1.58E-25	0.556529	2.47E-39	0.105556	0.02253	0.148126	0.00133	0.129268	0.00515
1.02E-26	0.437697	2.81E-23	-0.03232	0.48602	0.131232	0.0045	0.209691	4.87E-06
0.09469	0.170796	0.00021	-0.08556	0.06468	0.046068	0.32051	-0.22186	1.29E-06
1.03E-61	0.719061	1.65E-75	0.062982	0.17423	0.118519	0.01037	0.211489	4.02E-06
1.37E-90	0.779646	1.42E-96	0.008115	0.86116	0.096438	0.03722	0.184771	5.90E-05
5.70E-30	0.427839	3.30E-22	0.0738	0.11122	-0.07459	0.10745	-0.0947	0.04079
1.07E-33	0.411918	1.49E-20	0.015621	0.73635	0.065108	0.16011	0.283225	4.60E-10
1.53E-51	0.770397	6.08E-93	0.110236	0.01717	0.124022	0.00729	0.166436	0.0003
9.83E-31	0.509102	3.68E-32	0.099041	0.03237	0.105679	0.02237	0.230116	4.98E-07
4.27E-16	0.348987	8.04E-15	0.13869	0.00267	0.094116	0.04206	-0.03238	0.48521
9.85E-16	0.363345	5.07E-16	-0.00567	0.90269	0.045169	0.33006	-0.16084	0.00048
2.20E-09	-0.25284	3.03E-08	0.002914	0.94992	-0.08557	0.06467	0.077355	0.09498
5.29E-36	0.484566	7.19E-29	0.179628	9.49E-05	0.063884	0.16812	0.106793	0.02099
4.25E-15	-0.30735	1.13E-11	-0.04779	0.30272	-0.08968	0.05277	-0.21637	2.37E-06
2.77E-62	0.670533	2.79E-62	0.075001	0.10551	0.041909	0.36619	0.117193	0.01126
3.46E-31	0.625038	5.60E-52	0.099798	0.03106	0.120605	0.00908	0.034716	0.4542
1.40E-50	0.689523	3.81E-67	0.060882	0.18906	0.138783	0.00265	0.094137	0.04201
8.65E-18	0.416493	5.10E-21	0.002615	0.95505	0.050755	0.27369	-0.08613	0.06293
1.53E-45	0.577694	6.35E-43	0.008821	0.84922	0.065631	0.15677	0.145008	0.00168
3.00E-31	-0.55273	1.02E-38	-0.08321	0.07243	-0.17014	0.00022	-0.08323	0.07236
1.47E-42	0.53935	1.33E-36	0.01447	0.75513	0.098708	0.03296	0.13127	0.00449
8.73E-08	0.195108	2.18E-05	-0.21372	3.16E-06	0.024857	0.5921	-0.05982	0.19692
1.43E-36	0.535932	4.45E-36	0.06664	0.15048	0.071136	0.12476	0.244805	8.42E-08
3.91E-36	0.606874	2.53E-48	0.053555	0.24806	0.118709	0.01024	0.214668	2.85E-06

9.17E-85	0.671009	2.13E-62	0.135472	0.00335	0.049564	0.28513	0.058456	0.20733
1.92E-10	0.295071	7.78E-11	0.000856	0.98528	0.074212	0.10923	-0.12561	0.00657
2.04E-08	0.279415	8.00E-10	-0.03979	0.391	-0.11616	0.01201	0.028315	0.54162
1.95E-24	0.577257	7.58E-43	0.07744	0.09462	0.044841	0.33358	0.13038	0.00477
5.05E-76	0.742997	4.06E-83	0.081356	0.07903	0.075419	0.10357	0.117176	0.01127
1.45E-10	0.380955	1.41E-17	0.028086	0.54489	-0.02086	0.65301	0.043694	0.34611
7.99E-46	0.671809	1.35E-62	-0.00487	0.91644	0.052378	0.25862	0.082124	0.07624
1.29E-79	0.65914	1.57E-59	0.024965	0.59048	0.044271	0.33978	0.055411	0.23202
7.38E-29	0.541892	5.36E-37	0.052818	0.25464	0.089124	0.05427	0.015389	0.74013
1.46E-36	0.539709	1.17E-36	0.099909	0.03088	0.088569	0.0558	0.054198	0.24243
1.01E-27	0.550708	2.17E-38	-0.0239	0.60647	0.070222	0.12969	0.009917	0.83075
3.22E-40	0.501066	4.71E-31	0.021914	0.63668	0.107808	0.01979	0.153072	0.0009
2.57E-34	0.569881	1.44E-41	0.008773	0.85003	0.089433	0.05344	0.153603	0.00087
5.15E-18	0.310335	6.96E-12	-0.10076	0.02948	-0.01655	0.72124	0.093502	0.04342
2.19E-23	0.28348	4.43E-10	0.065274	0.15904	0.020414	0.65993	0.223265	1.10E-06
2.93E-10	0.275133	1.48E-09	-0.0592	0.20162	0.047029	0.31051	-0.02877	0.53518
1.98E-34	0.545226	1.61E-37	0.05138	0.26782	0.119144	0.00997	-0.00631	0.89174
4.27E-64	0.728641	1.86E-78	0.067939	0.14266	0.086938	0.06048	0.188573	4.11E-05
1.79E-38	0.665541	4.62E-61	-0.02875	0.53548	0.167645	0.00027	0.111122	0.01629
1.61E-45	0.687082	1.69E-66	0.083039	0.07301	0.082578	0.07462	0.096992	0.03614
7.56E-07	0.177324	0.00012	-0.04328	0.35074	-0.00798	0.86344	-0.10223	0.02717
2.62E-15	0.345696	1.48E-14	0.076301	0.09958	0.001726	0.97033	0.06562	0.15684
3.39E-38	0.561269	4.09E-40	-0.04338	0.34959	-0.01252	0.78732	0.113384	0.01422
3.11E-38	0.446147	3.19E-24	-0.05179	0.26405	0.008546	0.85387	0.065407	0.15819
2.57E-44	0.460701	6.49E-26	-0.02361	0.61088	0.016279	0.72569	0.06916	0.13561
9.47E-52	0.572179	5.80E-42	-0.00063	0.9891	0.008504	0.85458	0.245667	7.56E-08
6.06E-11	0.295847	6.90E-11	0.104632	0.02374	0.038526	0.40618	0.123673	0.00746
1.82E-43	0.552711	1.03E-38	0.016094	0.72868	-0.02317	0.61751	-0.0168	0.71722
1.38E-29	0.458224	1.28E-25	0.072746	0.11643	0.006054	0.89618	0.00631	0.89183
8.64E-26	0.454108	3.88E-25	-0.10696	0.02079	0.037365	0.42049	-0.14046	0.00235
2.59E-39	0.533681	9.79E-36	0.094804	0.04057	0.101224	0.02873	0.212271	3.70E-06
2.96E-35	0.573927	2.89E-42	0.099387	0.03177	0.080956	0.08052	-0.01781	0.70114
2.44E-48	0.590331	3.40E-45	0.053876	0.24524	0.085138	0.06602	0.137512	0.0029
6.53E-29	-0.49061	1.18E-29	-0.10844	0.01908	-0.11946	0.00977	-0.16738	0.00028
2.31E-35	0.625855	3.79E-52	0.199202	1.45E-05	0.07878	0.08903	0.243632	9.75E-08
1.11E-42	0.642322	1.10E-55	-0.04027	0.3852	0.074175	0.10941	0.138576	0.00269
4.13E-10	0.473467	1.82E-27	0.142861	0.00197	0.052536	0.2572	0.104918	0.02336
3.86E-09	0.245785	7.45E-08	-0.00011	0.99817	0.020023	0.66605	-0.11223	0.01525
3.82E-06	0.270449	2.85E-09	-0.10025	0.03031	-0.06984	0.13177	-0.07919	0.08739
1.09E-22	0.3388	5.25E-14	-0.01515	0.74397	-0.04574	0.32397	0.106987	0.02075
2.34E-21	0.517657	2.26E-33	0.066959	0.14853	0.122798	0.00789	0.086003	0.06331
1.59E-53	0.599247	7.38E-47	0.041101	0.37551	0.064744	0.16246	0.245105	8.11E-08
1.87E-10	0.337581	6.54E-14	0.208905	5.30E-06	0.073505	0.11266	-0.01822	0.6946
2.61E-20	0.503369	2.29E-31	0.053724	0.24657	0.025123	0.58813	-4.29E-05	0.99926
1.06E-24	0.432237	1.11E-22	0.014516	0.75439	0.129779	0.00497	-3.33E-05	0.99943

2.71E-22	0.408089	3.62E-20	0.023717	0.60919	0.064143	0.1664	0.067617	0.14458
2.88E-33	0.556402	2.59E-39	0.102588	0.02663	0.078494	0.0902	0.075762	0.10201
1.33E-14	0.327852	3.65E-13	-0.0942	0.04188	-0.03183	0.49263	0.143234	0.00192
8.87E-44	0.622273	2.09E-51	-0.00062	0.98936	0.140166	0.0024	0.253856	2.66E-08
2.36E-15	0.392435	1.21E-18	-0.06436	0.16499	-0.00955	0.83686	0.070846	0.12631
1.32E-59	0.608421	1.26E-48	0.048609	0.29452	0.048278	0.29782	0.083542	0.07128
4.56E-55	0.662557	2.41E-60	0.043292	0.35058	0.121517	0.00857	0.162424	0.00043
8.09E-51	0.63006	4.96E-53	0.114232	0.01351	0.116434	0.0118	0.133742	0.00379
1.96E-63	0.673455	5.25E-63	0.017453	0.70679	0.080975	0.08045	0.131407	0.00445
1.48E-68	0.742832	4.61E-83	0.035644	0.44222	0.090377	0.05096	0.137017	0.00301
4.15E-16	0.484119	8.21E-29	-0.03647	0.43177	0.083173	0.07255	-0.06939	0.13434
4.95E-65	0.534753	6.73E-36	-0.0391	0.39922	0.007614	0.86965	0.175887	0.00013
7.71E-21	-0.41319	1.11E-20	-0.09135	0.04851	-0.05432	0.2414	-0.03355	0.46954
4.19E-31	0.489309	1.74E-29	0.006597	0.88693	0.036187	0.43529	0.05126	0.26894
5.13E-18	0.34352	2.22E-14	0.024371	0.59936	0.035781	0.44047	0.095325	0.03948
4.20E-34	0.426573	4.50E-22	0.102307	0.02705	0.009054	0.84528	0.065016	0.1607
4.71E-33	0.471239	3.43E-27	0.104729	0.02361	0.060743	0.19007	0.183644	6.55E-05
3.65E-17	0.253946	2.63E-08	-0.02041	0.65997	-0.03706	0.42435	0.088482	0.05604
7.36E-31	0.370089	1.32E-16	-0.05223	0.25998	-0.04057	0.38171	0.115254	0.01269
8.95E-29	0.537383	2.67E-36	-0.00929	0.8413	0.092074	0.04674	0.061377	0.18548
2.59E-18	0.34042	3.91E-14	0.137586	0.00289	-0.09896	0.03252	0.160091	0.00052
6.49E-39	0.674337	3.16E-63	0.186562	4.98E-05	0.12611	0.00636	0.129331	0.00512
1.73E-61	0.69477	1.48E-68	0.023169	0.6175	0.102062	0.02742	0.122741	0.00792
1.98E-14	0.345658	1.50E-14	-0.04234	0.3613	0.016194	0.72705	-0.05017	0.27925
3.52E-55	0.733628	4.84E-80	0.086233	0.0626	0.108913	0.01856	0.064253	0.16568
5.00E-12	0.333462	1.36E-13	-0.00644	0.88953	0.022165	0.63282	-0.1429	0.00196
9.10E-19	0.421479	1.55E-21	0.024578	0.59626	0.052596	0.25665	0.120022	0.00943
1.33E-09	0.170988	0.00021	-0.09131	0.04861	-0.08261	0.07449	0.020153	0.66401
4.89E-27	0.536152	4.12E-36	-0.05891	0.20381	0.04267	0.35755	0.068183	0.14123
4.82E-24	0.490636	1.17E-29	0.119655	0.00965	0.059721	0.19765	0.094002	0.04231
1.54E-31	0.568196	2.79E-41	0.05327	0.25059	0.019057	0.68125	0.038335	0.40851
1.25E-26	0.589619	4.60E-45	-0.04103	0.37629	0.120835	0.00895	0.025935	0.57612
7.52E-21	0.439407	1.82E-23	-0.02301	0.61995	0.072045	0.12	0.160832	0.00048
1.37E-12	0.296634	6.11E-11	-0.01986	0.66866	-0.04029	0.38505	0.030696	0.50815
3.06E-32	0.552327	1.19E-38	0.084538	0.06796	0.148952	0.00125	0.08923	0.05399
3.86E-50	0.611125	3.70E-49	0.081969	0.07679	0.023991	0.60506	0.102081	0.0274
3.67E-45	0.619987	6.15E-51	0.073795	0.11124	0.0589	0.2039	0.162248	0.00043
3.46E-21	0.410638	2.01E-20	0.095154	0.03984	0.011235	0.80866	0.08574	0.06413
6.32E-27	0.555578	3.54E-39	0.059139	0.20206	0.035698	0.44152	0.02711	0.55896
5.23E-22	0.406992	4.66E-20	-0.04116	0.3748	-0.00705	0.87916	-0.04564	0.32501
1.38E-40	0.574943	1.93E-42	0.103686	0.02504	0.13161	0.00439	0.238424	1.85E-07
3.22E-16	0.400051	2.24E-19	0.02354	0.61187	0.01435	0.7571	-0.04266	0.35767
1.29E-29	0.445966	3.34E-24	0.069167	0.13557	0.008598	0.85298	0.133666	0.00381
6.13E-49	0.593094	1.05E-45	0.012606	0.78586	0.060021	0.19541	0.124523	0.00705
7.26E-53	0.537899	2.22E-36	0.002514	0.95679	0.070439	0.12851	0.13543	0.00336

1.06E-67	0.680815	7.20E-65	0.014808	0.7496	0.078258	0.09118	0.08245	0.07507
3.75E-21	0.464275	2.42E-26	-0.07969	0.08539	0.050487	0.27624	0.126249	0.0063
3.20E-44	0.569051	2.00E-41	0.032764	0.47999	0.098733	0.03291	0.114597	0.01321
1.10E-21	0.379209	2.03E-17	-0.08288	0.07357	-0.02354	0.6118	0.130878	0.00461
9.28E-48	0.530632	2.82E-35	0.041269	0.37356	0.033042	0.47627	0.210011	4.71E-06
9.74E-37	0.529183	4.64E-35	0.049845	0.2824	0.096931	0.03626	0.054565	0.23925
3.68E-38	0.482335	1.39E-28	0.093516	0.04339	0.015456	0.73904	0.052277	0.25955
1.64E-08	0.349936	6.73E-15	0.081913	0.077	0.168874	0.00025	-0.11156	0.01587
1.81E-69	0.747771	9.74E-85	0.094891	0.04039	0.150785	0.00108	0.117085	0.01134
1.77E-25	0.420915	1.78E-21	0.079383	0.08661	-0.03755	0.4182	-0.0124	0.78935
5.95E-48	0.703545	5.49E-71	-0.08712	0.05994	0.134081	0.0037	0.02919	0.52919
3.50E-44	0.696136	6.26E-69	0.038106	0.41132	0.10382	0.02486	0.098273	0.03374
5.96E-11	0.233757	3.24E-07	-0.05809	0.21017	0.005329	0.90856	-0.09983	0.031
1.17E-41	0.639907	3.74E-55	-0.10308	0.02591	-0.01775	0.70201	-0.01835	0.6925
7.87E-54	0.653672	2.96E-58	0.078201	0.09141	0.083708	0.07072	0.15716	0.00065
2.59E-26	0.412308	1.36E-20	0.054264	0.24185	0.067892	0.14295	0.062108	0.18029
4.37E-73	0.79281	#####	0.09227	0.04627	0.090718	0.05009	0.131924	0.00429
1.92E-57	0.689638	3.55E-67	0.068684	0.13833	0.128387	0.00546	0.227932	6.42E-07
7.73E-56	0.646171	1.52E-56	0.063821	0.16854	0.024913	0.59126	0.063984	0.16746
9.51E-39	0.633072	1.13E-53	0.163947	0.00037	0.106621	0.0212	0.200546	1.26E-05
4.46E-41	0.626012	3.51E-52	0.0133	0.77438	0.060452	0.19221	0.226997	7.15E-07
2.46E-42	0.569916	1.42E-41	0.003861	0.93369	0.093239	0.04402	0.187663	4.49E-05
5.10E-18	0.33466	1.10E-13	-0.05833	0.20833	0.032998	0.47686	0.045771	0.32365
2.56E-39	0.575656	1.45E-42	0.011151	0.81007	0.138416	0.00272	0.132499	0.00413
3.24E-44	0.585176	2.95E-44	0.077093	0.09611	0.050772	0.27353	0.061229	0.18655
6.55E-15	0.337481	6.66E-14	-0.04161	0.36967	0.002129	0.9634	-0.08006	0.08394
2.64E-22	0.435349	5.09E-23	0.01188	0.79792	0.089477	0.05332	0.142008	0.0021
1.53E-22	0.468061	8.42E-27	0.001318	0.97734	0.038136	0.41095	0.088936	0.05478
5.86E-49	0.588073	8.81E-45	0.04955	0.28526	0.020654	0.65618	0.105137	0.02307
3.26E-33	0.568768	2.23E-41	0.173545	0.00016	0.106019	0.02194	0.161354	0.00046
1.05E-18	0.501356	4.30E-31	0.059734	0.19755	0.15621	0.00071	0.093489	0.04345
5.44E-20	0.381896	1.16E-17	0.032267	0.48667	0.042518	0.35927	0.000493	0.99152
1.51E-40	0.588756	6.61E-45	0.070989	0.12555	0.056202	0.22542	0.078268	0.09113
6.85E-15	0.422488	1.22E-21	0.014482	0.75494	0.080448	0.08245	-0.04859	0.29467
3.41E-50	0.641866	1.38E-55	0.106946	0.0208	0.041072	0.37585	0.059683	0.19794
5.62E-43	0.618152	1.45E-50	0.131879	0.00431	0.170784	0.00021	0.25374	2.70E-08
1.70E-65	0.644029	4.58E-56	0.074148	0.10954	0.034229	0.46055	0.1149	0.01297
4.15E-40	0.477005	6.58E-28	-0.07102	0.12539	0.051922	0.2628	0.146173	0.00154
1.68E-47	0.595297	4.09E-46	0.015188	0.74341	0.03512	0.44895	0.07581	0.10179
3.27E-15	-0.46644	1.33E-26	-0.09407	0.04217	-0.08119	0.07966	-0.01893	0.68329
5.21E-71	0.727245	5.10E-78	0.118817	0.01017	0.023309	0.61536	0.143044	0.00194
3.83E-72	0.79055	#####	0.037317	0.42108	0.140934	0.00227	0.195753	2.04E-05
4.12E-33	0.559692	7.46E-40	-0.01292	0.7807	0.092313	0.04617	0.311374	5.88E-12
7.93E-29	0.418975	2.82E-21	-0.00072	0.98764	-0.02983	0.52014	-0.00108	0.9814
4.05E-10	-0.36001	9.76E-16	-0.09101	0.04935	-0.1838	6.46E-05	-0.07016	0.13004

1.79E-15	0.348979	8.05E-15	-0.01806	0.69712	-0.03041	0.51204	0.034607	0.45561
3.40E-56	0.682147	3.27E-65	0.024787	0.59313	0.033136	0.475	0.063483	0.17082
2.02E-43	0.607372	2.02E-48	-0.02038	0.6604	0.099985	0.03075	0.252184	3.30E-08
1.12E-11	0.288207	2.20E-10	-0.06508	0.1603	-0.10817	0.01938	0.109572	0.01785
5.80E-23	0.390584	1.81E-18	-0.04243	0.36025	-0.00823	0.85915	-0.02927	0.52802
1.08E-23	0.514111	7.26E-33	0.071806	0.12124	0.089814	0.05243	-0.07028	0.12937
1.57E-45	0.62395	9.42E-52	0.06319	0.17281	0.079839	0.0848	0.193372	2.58E-05
3.43E-36	-0.49734	1.50E-30	-0.03233	0.48576	-0.05016	0.27936	-0.04704	0.31037
2.01E-33	-0.5119	1.49E-32	-0.01502	0.74618	-0.0193	0.67736	-0.07262	0.11707
1.49E-63	0.761772	1.05E-89	0.054794	0.23727	0.105777	0.02225	0.114523	0.01327
2.10E-10	0.346775	1.22E-14	0.035504	0.44401	0.133789	0.00377	-0.00285	0.9511
3.56E-62	0.807551	#####	0.03078	0.50698	0.135681	0.00331	0.18823	4.25E-05
2.08E-33	0.595863	3.20E-46	0.126065	0.00637	-0.00836	0.85707	0.196523	1.89E-05
1.05E-39	0.445276	4.00E-24	0.149054	0.00124	0.028721	0.53583	0.046033	0.32088
9.84E-32	0.466844	1.18E-26	0.040287	0.38505	0.005291	0.90922	0.108696	0.01879
5.03E-09	0.198066	1.62E-05	0.063811	0.16861	-0.002	0.96568	0.087667	0.05835
1.19E-44	0.655097	1.39E-58	0.077803	0.09308	0.13135	0.00447	0.195449	2.10E-05
3.81E-33	-0.55065	2.21E-38	-0.11681	0.01153	-0.04272	0.35697	-0.22092	1.43E-06
1.77E-06	0.106882	0.02088	0.009519	0.83744	0.009571	0.83657	0.059866	0.19656
1.41E-67	0.724773	2.99E-77	0.086086	0.06306	0.102276	0.0271	0.156755	0.00068
1.21E-33	0.579407	3.17E-43	0.002238	0.96154	0.079614	0.08569	0.081977	0.07677
2.93E-46	0.655479	1.13E-58	-6.83E-05	0.99883	0.018652	0.68767	0.064677	0.16289
1.76E-51	0.614886	6.61E-50	0.038544	0.40596	0.045388	0.32772	0.01595	0.73101
1.21E-72	0.755633	1.74E-87	-0.029	0.53186	0.07961	0.08571	0.23784	1.98E-07
1.20E-34	0.647197	8.92E-57	0.075732	0.10214	0.11563	0.0124	0.107116	0.0206
6.11E-44	0.621001	3.81E-51	0.005757	0.90126	0.087581	0.0586	-0.02533	0.58511
2.05E-49	0.556153	2.85E-39	0.076051	0.1007	0.020602	0.657	0.155681	0.00074
1.10E-71	0.695921	7.17E-69	0.035226	0.44759	0.070532	0.12801	0.121251	0.00872
5.64E-16	-0.28024	7.10E-10	0.0008	0.98624	-0.05629	0.22471	-0.11971	0.00962
3.36E-32	0.501814	3.73E-31	-0.02506	0.58913	0.060482	0.19199	0.158309	0.0006
1.64E-47	0.661218	5.04E-60	0.081516	0.07844	0.079246	0.08715	0.131857	0.00431
1.52E-05	0.219335	1.71E-06	-0.00075	0.98703	-0.0379	0.41386	-0.06078	0.18981
4.30E-42	0.657905	3.06E-59	0.034067	0.46268	0.057504	0.21484	0.090145	0.05156
7.95E-74	0.77201	1.46E-93	0.039131	0.39884	0.106186	0.02173	0.16423	0.00037
4.34E-48	0.594093	6.85E-46	-0.02493	0.59093	-0.008	0.86307	0.193661	2.51E-05
1.53E-15	0.29527	7.54E-11	-0.05335	0.24985	-0.02379	0.60813	0.048626	0.29435
5.24E-55	0.659251	1.47E-59	0.050342	0.27762	0.071861	0.12095	0.0611	0.18748
5.05E-23	-0.44182	9.79E-24	0.030937	0.50482	-0.03768	0.41654	-0.13327	0.00391
2.41E-49	0.664199	9.74E-61	0.040799	0.37904	0.084501	0.06808	0.13324	0.00392
4.54E-06	0.269624	3.20E-09	-0.05845	0.20736	-0.06002	0.19543	-0.23766	2.03E-07
1.17E-36	0.549911	2.91E-38	0.033491	0.47029	0.018249	0.69406	0.015515	0.73807
1.55E-10	0.312368	4.99E-12	0.152332	0.00096	0.111249	0.01617	0.187583	4.52E-05
1.77E-31	0.562081	2.99E-40	0.080616	0.08181	0.101066	0.02898	0.017917	0.69936
6.61E-07	0.182525	7.27E-05	-0.04666	0.3143	-0.00536	0.90798	-0.19418	2.39E-05
2.08E-41	0.709466	1.12E-72	0.074216	0.10922	0.11126	0.01616	0.122306	0.00815

1.70E-26	0.413467	1.04E-20	0.075585	0.10281	0.006404	0.89022	0.041478	0.37114
1.36E-23	0.590448	3.24E-45	0.022455	0.62838	0.061814	0.18236	0.155554	0.00074
2.12E-48	0.762735	4.63E-90	0.041543	0.3704	0.143486	0.00188	0.201436	1.15E-05
2.65E-15	0.337844	6.24E-14	-0.00854	0.85401	0.016181	0.72727	-0.06608	0.15392
3.66E-08	-0.19857	1.54E-05	0.114371	0.0134	0.051396	0.26767	0.095289	0.03955
1.17E-17	0.469031	6.41E-27	0.093735	0.0429	0.175842	0.00013	0.22308	1.12E-06
9.21E-19	0.376352	3.67E-17	-0.01073	0.81708	0.091611	0.04786	0.249384	4.73E-08
2.68E-09	0.174133	0.00016	0.012278	0.7913	0.038841	0.40236	0.16812	0.00026
6.56E-50	0.626523	2.75E-52	0.048525	0.29536	0.059622	0.19839	0.145446	0.00162
5.95E-52	0.727164	5.41E-78	0.094399	0.04144	0.142463	0.00203	0.289792	1.73E-10
4.44E-11	0.372984	7.33E-17	-0.03351	0.47003	0.064247	0.16571	-0.15188	0.00099
2.20E-15	-0.33325	1.42E-13	-0.14955	0.00119	-0.10133	0.02856	-0.13483	0.00351
1.11E-10	0.331539	1.92E-13	0.041221	0.37412	0.057279	0.21664	0.122412	0.00809
5.78E-53	0.774187	2.08E-94	0.081644	0.07797	0.152027	0.00098	0.057	0.21889
1.84E-39	0.490726	1.14E-29	0.111837	0.01561	0.047031	0.31049	0.215727	2.54E-06
7.85E-31	0.655939	8.82E-59	0.034228	0.46056	0.08131	0.0792	0.272145	2.25E-09
1.16E-54	0.657957	2.97E-59	0.064954	0.1611	0.130312	0.00479	0.287753	2.35E-10
4.96E-59	0.68316	1.79E-65	0.136882	0.00304	0.107754	0.01985	0.163126	0.0004
0.03867	0.008119	0.86109	-0.07296	0.11535	-0.03633	0.43348	0.079689	0.08539
4.14E-06	0.270516	2.83E-09	-0.03868	0.40435	0.050113	0.27981	0.211289	4.11E-06
0.00011	0.132184	0.00422	-0.04058	0.38158	0.021001	0.65079	0.056331	0.22435
0.00478	0.088432	0.05618	-0.02243	0.62875	-0.0528	0.25477	-0.01082	0.81557
0.02925	-0.06555	0.15726	-0.04232	0.36147	-0.10564	0.02242	-0.22194	1.27E-06
0.00035	0.271884	2.34E-09	0.023984	0.60517	0.016462	0.72272	0.072503	0.11766
0.24159	0.061444	0.185	-0.07274	0.11644	0.005383	0.90764	0.109665	0.01776
0.06679	0.138264	0.00275	-0.10279	0.02634	0.010514	0.82073	-0.2009	1.22E-05
4.65E-10	0.426468	4.62E-22	0.093126	0.04428	0.115993	0.01213	0.13434	0.00363
0.00748	0.090331	0.05108	-0.10517	0.02303	-0.08716	0.05984	-0.16976	0.00023
0.05642	-0.10452	0.02389	-0.00419	0.92807	-0.08354	0.07128	-0.06521	0.15947
0.00012	0.306273	1.34E-11	0.090367	0.05098	0.05459	0.23903	0.067617	0.14457
0.50939	-0.03624	0.43463	-0.09551	0.03909	0.013349	0.77356	-0.11864	0.01029
9.19E-07	0.319926	1.42E-12	0.001361	0.97659	0.081071	0.08009	0.020093	0.66494
0.73813	0.056689	0.22142	-0.05276	0.25521	0.034202	0.46092	0.007639	0.86923
0.00086	0.299329	4.02E-11	0.108704	0.01878	0.053638	0.24733	0.076335	0.09944
0.00473	-0.07775	0.09329	-0.01791	0.69951	-0.00722	0.87637	-0.17956	9.56E-05
0.00485	0.145067	0.00167	-0.01199	0.79609	0.042778	0.35633	0.010671	0.8181
1.68E-06	0.186837	4.85E-05	-0.10805	0.01951	-0.04687	0.31212	-0.15547	0.00075
2.67E-10	0.399387	2.60E-19	0.133486	0.00385	0.113318	0.01428	0.019618	0.67241
4.38E-09	0.20973	4.85E-06	-0.06303	0.17391	-0.05039	0.2772	-0.04289	0.35509
5.40E-12	0.362674	5.79E-16	-0.01313	0.77721	0.053306	0.25027	0.044029	0.34242
1.23E-08	-0.29141	1.36E-10	0.038887	0.4018	0.027075	0.55946	-0.0189	0.6837
9.02E-09	0.320737	1.24E-12	-0.05947	0.19953	-0.04477	0.33441	-0.15127	0.00104
0.02236	0.002858	0.95089	-0.12742	0.00582	-0.01451	0.75449	-0.09268	0.0453
0.00493	-0.01423	0.75899	0.009804	0.83265	0.004924	0.91548	-0.25464	2.40E-08
0.15436	0.06823	0.14096	-0.02369	0.60954	-0.05242	0.25826	0.075853	0.1016

1.04E-11	0.328987	3.00E-13	-0.04018	0.38628	0.007099	0.8784	0.139468	0.00252
2.70E-06	0.325482	5.51E-13	-0.02427	0.60083	0.004473	0.9232	0.048051	0.30011
5.45E-17	0.319817	1.45E-12	-0.08901	0.05458	-0.00504	0.91352	-0.09274	0.04516
1.53E-12	0.405525	6.51E-20	0.003901	0.933	0.053701	0.24678	0.055391	0.2322
0.21918	0.18558	5.47E-05	0.082787	0.07388	0.067144	0.14741	0.207366	6.23E-06
0.00741	0.226559	7.52E-07	-0.03424	0.46039	0.013996	0.76291	0.03279	0.47964
0.01916	0.255623	2.11E-08	-0.0297	0.52207	0.065233	0.1593	-0.06028	0.19345
0.04908	-0.01537	0.7404	0.010374	0.82308	0.014216	0.7593	0.1087	0.01879
0.2773	-0.01606	0.7292	-0.01355	0.77031	0.161264	0.00047	-0.10813	0.01942
7.07E-17	0.50841	4.60E-32	0.116685	0.01162	0.062178	0.1798	0.037746	0.41576
3.50E-07	0.2179	2.00E-06	-0.03266	0.48143	0.035354	0.44595	-0.10052	0.02986
7.45E-15	0.37447	5.41E-17	0.024056	0.60408	0.002082	0.9642	-0.0871	0.05999
4.97E-05	-0.20475	8.19E-06	-0.02318	0.61739	0.015072	0.74528	-0.06984	0.13177
0.00017	0.294082	9.05E-11	0.031345	0.49922	0.039665	0.39244	-0.04768	0.30388
1.13E-10	0.301494	2.87E-11	-0.06272	0.17605	-0.04774	0.30323	-0.00463	0.92045
1.20E-19	0.446282	3.08E-24	0.020359	0.66079	0.011251	0.8084	-0.03624	0.43456
6.77E-06	0.336844	7.46E-14	0.031016	0.50373	-0.00648	0.88888	-0.06188	0.18192
2.20E-11	0.232636	3.70E-07	0.020304	0.66165	0.000455	0.99217	-0.05934	0.20056
3.47E-08	0.314486	3.52E-12	0.072684	0.11675	0.085283	0.06556	-0.03363	0.4685
1.32E-22	0.573072	4.07E-42	0.10927	0.01817	0.049196	0.28872	0.022818	0.62284
1.39E-08	0.399172	2.73E-19	0.013517	0.77079	0.020329	0.66125	-0.0472	0.30878
0.05774	0.019826	0.66913	-0.06936	0.13446	-0.02496	0.59053	0.018999	0.68216
9.02E-06	0.269376	3.31E-09	-0.04904	0.29022	-0.01319	0.77617	-0.12534	0.00669
5.09E-09	0.28354	4.39E-10	-0.01701	0.7139	0.112502	0.015	0.085215	0.06578
7.56E-09	0.243498	9.91E-08	-0.09544	0.03923	-0.01167	0.80134	-0.04352	0.34809
0.07819	0.304076	1.90E-11	0.039211	0.39788	0.113874	0.01381	-0.0247	0.5944
0.00676	0.176038	0.00013	-0.05674	0.22102	0.019985	0.66663	-0.24115	1.33E-07
8.69E-05	-0.13489	0.00349	0.054799	0.23723	-0.02973	0.52157	-0.26915	3.41E-09
0.02353	0.196588	1.88E-05	-0.03537	0.44569	0.011636	0.80197	-0.03677	0.42787
0.00048	-0.11506	0.01284	-0.21207	3.78E-06	0.004084	0.92985	-0.20155	1.14E-05
1.34E-13	0.456903	1.83E-25	0.144559	0.00174	0.01972	0.67079	0.011791	0.7994
0.01346	0.231184	4.39E-07	0.007519	0.87126	-0.00451	0.9225	-0.02697	0.561
1.75E-12	0.386636	4.23E-18	0.0659	0.15507	0.038281	0.40918	-0.0074	0.87327
0.75075	0.043527	0.34796	-0.00107	0.98169	-0.0932	0.0441	-0.02354	0.61186
0.57557	-0.06808	0.14183	-0.07828	0.0911	-0.01156	0.80321	-0.14861	0.00128
1.13E-14	0.447371	2.31E-24	0.054314	0.24142	0.100172	0.03044	0.122067	0.00827
1.03E-06	-0.26745	4.32E-09	-0.00724	0.87602	-0.02151	0.64287	0.018552	0.68926
7.22E-13	0.318684	1.75E-12	0.000446	0.99232	-0.04159	0.36982	-0.0945	0.04122
0.08074	0.266844	4.70E-09	0.024521	0.59711	0.065037	0.16056	-0.16193	0.00044
0.06088	-0.00148	0.97447	-0.04028	0.38519	-0.03213	0.48849	-0.24436	8.90E-08
2.23E-07	0.25911	1.33E-08	0.058135	0.20984	0.106166	0.02176	0.054829	0.23697
0.00301	-0.10772	0.01989	-0.10754	0.0201	-0.06235	0.1786	-0.02035	0.66094
0.06337	-0.19979	1.36E-05	0.19186	2.99E-05	0.004827	0.91714	-0.02637	0.56976
0.00142	0.078551	0.08997	0.035773	0.44057	-0.04917	0.28893	0.016335	0.72477
0.00065	0.264019	6.90E-09	0.117908	0.01077	0.142045	0.00209	0.170752	0.00021



0.19217	0.065173	0.15969	-0.03053	0.51038	-0.08697	0.06039	-0.12511	0.00679
0.22839	0.024602	0.59589	-0.03493	0.45142	0.017278	0.70959	-0.05924	0.20128
0.0013	0.250703	3.99E-08	-0.02192	0.63663	0.069193	0.13542	-0.0001	0.9982
9.03E-27	0.611925	2.57E-49	0.041974	0.36545	0.098982	0.03247	0.072548	0.11744
0.30546	0.045767	0.3237	-0.06726	0.14669	-0.05928	0.20098	-0.12758	0.00576
0.02821	-0.0751	0.10502	-0.10636	0.02151	-0.07071	0.12705	-0.14951	0.00119
4.20E-07	-0.19799	1.63E-05	-0.13798	0.00281	-0.05241	0.25837	-0.16335	0.00039
8.55E-05	0.337987	6.08E-14	0.002466	0.95762	0.108216	0.01933	0.066578	0.15086
1.11E-10	0.491492	9.01E-30	0.093592	0.04322	0.078214	0.09136	-0.11416	0.01357
1.72E-07	0.205768	7.37E-06	-0.13478	0.00352	-0.04688	0.31203	-0.02353	0.61195
0.94251	0.190738	3.34E-05	-0.10097	0.02914	0.04572	0.32419	-0.00191	0.96722
0.76785	-0.01445	0.75549	0.028591	0.53768	-0.07387	0.11089	-0.08111	0.07995
1.38E-05	0.20672	6.67E-06	-0.04636	0.31742	-0.0089	0.84783	-0.01139	0.80609
0.01052	0.039509	0.3943	-0.08853	0.0559	-0.08761	0.05852	0.054917	0.23623
0.00546	0.143429	0.00189	0.035545	0.44348	-0.04952	0.28553	-0.0224	0.6292
4.59E-08	0.359384	1.10E-15	-0.08182	0.07735	0.106566	0.02126	0.027256	0.55684
0.25257	-0.02054	0.65793	-0.15754	0.00063	-0.00785	0.86564	-0.09947	0.03162
4.64E-07	0.280449	6.89E-10	0.061894	0.1818	0.159885	0.00052	0.19518	2.16E-05
5.89E-07	0.338281	5.76E-14	0.027071	0.55952	0.099751	0.03114	0.007601	0.86986
4.53E-11	0.278262	9.45E-10	0.028326	0.54145	-0.07412	0.10967	-0.17305	0.00017
0.00992	-0.08645	0.06195	-0.13145	0.00443	-0.10869	0.0188	-0.19213	2.92E-05
0.00221	-0.07359	0.11226	-0.11648	0.01177	0.091071	0.0492	-0.03938	0.39588
0.64788	-0.0136	0.76937	-0.05969	0.19787	-0.01582	0.73305	-0.10588	0.02212
0.00448	0.24532	7.90E-08	-0.05685	0.22008	0.042513	0.35932	0.026582	0.56664
0.05456	0.145618	0.0016	0.080976	0.08045	0.045205	0.32968	0.068029	0.14214
0.00044	0.204623	8.30E-06	-0.0117	0.80097	0.040301	0.38488	-0.03215	0.48832
7.29E-13	0.29371	9.58E-11	0.004235	0.92728	-0.01834	0.69264	-0.08812	0.05705
0.00188	0.168938	0.00025	-0.07089	0.12608	-0.01768	0.70319	-0.03202	0.48996
8.91E-08	0.245466	7.75E-08	-0.01764	0.70385	0.00184	0.96836	-0.00275	0.95269
0.04243	0.086454	0.06193	0.0578	0.21249	-0.10824	0.0193	-0.21137	4.07E-06
0.71957	0.10135	0.02853	0.046604	0.31491	-0.0244	0.59893	0.085934	0.06352
0.04703	0.219189	1.73E-06	-0.07092	0.12594	0.094113	0.04207	-0.24368	9.69E-08
0.59847	0.026344	0.57012	-0.04793	0.3013	-0.0646	0.16338	-0.19298	2.69E-05
0.04637	-0.12409	0.00726	-0.04809	0.29974	-0.05263	0.25637	-0.0503	0.27806
0.87154	0.048405	0.29656	0.068442	0.13973	0.016292	0.72547	0.130318	0.00479
1.30E-05	0.171302	0.0002	-0.06566	0.15661	0.131405	0.00445	0.054545	0.23942
0.00152	0.179619	9.50E-05	-0.02554	0.58194	0.016335	0.72478	-0.0238	0.60788
0.01926	0.09463	0.04094	-0.14834	0.0013	-0.07511	0.10501	-0.20263	1.02E-05
0.00026	-0.24103	1.34E-07	-0.01784	0.70056	-0.06502	0.16065	-0.06076	0.18992
0.00636	0.227561	6.70E-07	-0.01939	0.67596	0.088441	0.05615	0.078068	0.09197
8.88E-05	-0.1892	3.87E-05	0.112482	0.01502	0.027781	0.54926	0.0849	0.06679
1.92E-12	0.355455	2.36E-15	-0.04384	0.34445	0.028672	0.53652	-0.04696	0.31119
3.30E-07	0.259333	1.29E-08	-0.05264	0.25621	-0.04035	0.38427	-0.12427	0.00717
9.74E-16	0.354883	2.63E-15	-0.03634	0.43335	0.003711	0.93626	-0.14703	0.00144
4.38E-10	0.396301	5.17E-19	-0.02666	0.56544	0.034164	0.46141	-0.01923	0.67848

3.04E-24	0.460067	7.72E-26	0.026094	0.57379	-0.03449	0.4571	-0.0931	0.04433
0.01244	0.16459	0.00035	0.077303	0.09521	0.01232	0.79061	-0.03307	0.47584
6.69E-17	0.490872	1.09E-29	0.016	0.7302	0.092199	0.04644	0.042971	0.35416
2.87E-11	0.359309	1.12E-15	-0.02943	0.52581	0.074245	0.10908	0.120495	0.00915
0.00206	0.292275	1.19E-10	0.057751	0.21288	0.081683	0.07783	0.026387	0.56949
0.00673	0.287939	2.29E-10	-0.06919	0.13545	0.063377	0.17153	-0.10942	0.01801
0.04492	0.234677	2.90E-07	-0.07147	0.12298	0.043702	0.34603	-0.06983	0.13185
9.10E-19	0.564461	1.20E-40	0.091764	0.04749	0.108982	0.01848	-0.02624	0.57164
1.81E-12	0.299526	3.90E-11	0.014074	0.76163	-0.00252	0.95666	-0.0509	0.27232
0.3964	0.170348	0.00022	0.015566	0.73724	0.049973	0.28116	-0.1239	0.00735
0.01354	0.217532	2.08E-06	0.048328	0.29733	-0.05772	0.2131	-0.03359	0.46904
0.01104	0.265596	5.57E-09	0.121802	0.00842	0.088033	0.0573	0.222305	1.22E-06
7.36E-13	0.425607	5.70E-22	-0.00037	0.9936	0.033046	0.47621	-0.0627	0.17618
4.68E-07	0.408622	3.20E-20	0.000912	0.98432	0.074651	0.10715	-0.06552	0.15747
1.39E-05	0.269858	3.10E-09	0.126096	0.00636	0.026333	0.57028	-0.09095	0.04949
0.00033	-0.12352	0.00753	-0.09819	0.03388	-0.09899	0.03245	-0.07366	0.11191
0.00276	-0.09598	0.03814	0.039872	0.38997	0.03271	0.48071	-0.07945	0.08634
3.72E-07	0.365673	3.20E-16	0.129407	0.0051	0.088669	0.05552	-0.02634	0.57011
0.86466	0.208516	5.52E-06	-0.01255	0.78679	0.020782	0.65419	-0.08954	0.05316
0.86277	0.126873	0.00604	-0.00742	0.87292	0.016398	0.72375	-0.09093	0.04956
0.00044	0.1671	0.00029	-0.02638	0.5696	0.086105	0.063	-0.06865	0.1385
0.53883	0.194535	2.30E-05	0.024798	0.59297	0.063699	0.16936	0.126101	0.00636
0.54167	0.029393	0.52633	0.143105	0.00193	0.077444	0.0946	-0.08447	0.06819
0.97311	0.004471	0.92324	-0.06264	0.1766	-0.01536	0.74066	-0.0007	0.98798
3.15E-13	0.353049	3.73E-15	-0.01383	0.76562	-0.04498	0.33207	-0.07893	0.08842
0.00838	0.262167	8.86E-09	0.016221	0.72662	0.087703	0.05825	0.032852	0.4788
0.15043	0.089995	0.05195	-0.08367	0.07083	-0.0236	0.61091	-0.10715	0.02056
0.00622	-0.084	0.06974	0.05128	0.26876	-0.01385	0.76535	-0.13573	0.00329
3.24E-14	0.349614	7.14E-15	-0.00431	0.92594	-0.0011	0.98102	0.030974	0.50431
8.90E-08	0.234464	2.98E-07	-0.04989	0.28198	-0.05514	0.23433	-0.12102	0.00885
0.1556	-0.14493	0.00169	-0.00527	0.9095	-0.08531	0.06549	-0.21339	3.28E-06
1.90E-05	0.262798	8.14E-09	0.026611	0.56622	0.024049	0.6042	-0.17897	0.0001
8.39E-08	0.347689	1.02E-14	0.076861	0.09712	0.089753	0.05259	0.275325	1.44E-09
8.26E-05	0.250082	4.32E-08	-0.05917	0.20185	-0.02894	0.53268	-0.04953	0.28545
3.93E-07	0.291729	1.29E-10	0.092664	0.04535	0.006509	0.88843	0.065426	0.15807
0.62118	0.126128	0.00635	-0.01725	0.70997	0.097893	0.03444	0.095502	0.03911
0.00161	0.197949	1.64E-05	0.038235	0.40974	0.045303	0.32863	0.165436	0.00033
2.16E-07	-0.25589	2.04E-08	0.089625	0.05293	0.025622	0.58074	0.034943	0.45125
0.14848	0.211978	3.81E-06	0.039168	0.3984	0.044342	0.339	0.00312	0.94639
2.03E-05	0.311091	6.15E-12	0.047958	0.30104	0.066315	0.15248	0.183205	6.83E-05
0.00718	0.221802	1.29E-06	-0.0293	0.52761	0.034708	0.45431	0.094634	0.04094
0.05508	0.196068	1.98E-05	-0.06028	0.19351	-0.02673	0.5645	-0.06358	0.17013
9.93E-11	0.456443	2.07E-25	0.113613	0.01403	0.125168	0.00676	0.088389	0.0563
2.18E-10	0.306221	1.35E-11	0.013029	0.77885	-0.0473	0.30774	-0.07427	0.10897
9.50E-16	0.500215	6.15E-31	0.092714	0.04523	0.083972	0.06983	0.220737	1.46E-06

1.08E-09	0.367995	2.01E-16	-0.01269	0.78444	0.032434	0.48442	0.149704	0.00118
5.12E-13	0.371148	1.07E-16	0.057628	0.21385	-0.01852	0.68983	-0.15342	0.00088
0.00381	0.162968	0.00041	-0.03418	0.46121	-0.02443	0.59846	-0.2417	1.24E-07
1.37E-09	0.322013	9.97E-13	-0.05078	0.27343	-0.00094	0.9839	0.075526	0.10309
0.76262	0.111272	0.01614	-0.08102	0.08028	0.115786	0.01228	-0.13655	0.00311
2.89E-12	0.366617	2.65E-16	0.086397	0.06211	-0.04156	0.37019	0.13377	0.00378
0.00037	0.135312	0.00339	-0.01256	0.78669	-0.07358	0.11229	-0.09861	0.03313
3.07E-07	0.417897	3.65E-21	-0.00974	0.8338	0.10821	0.01933	-0.02665	0.56569
0.01035	0.176015	0.00013	-0.04692	0.31164	-0.06665	0.15039	-0.15147	0.00103
0.00064	0.24515	8.07E-08	0.041348	0.37265	0.003603	0.93811	-0.03866	0.40452
3.58E-10	0.294425	8.59E-11	0.023194	0.61711	0.065528	0.15742	-0.02061	0.65691
0.00174	0.220644	1.47E-06	-0.02749	0.55342	-0.02748	0.55365	0.055617	0.2303
4.98E-16	0.43937	1.84E-23	0.034834	0.45266	0.007469	0.87211	0.01155	0.8034
0.0042	-0.0339	0.46492	-0.13108	0.00455	0.026454	0.56851	-0.14777	0.00136
5.61E-09	0.404501	8.22E-20	0.051673	0.26511	-0.0165	0.72206	-0.05812	0.20999
2.93E-14	0.434759	5.91E-23	0.005844	0.89976	-0.00186	0.968	-0.0554	0.23211
0.95292	0.105936	0.02204	0.070955	0.12573	0.045197	0.32976	-0.18804	4.33E-05
0.56106	0.008953	0.847	0.030849	0.50604	-0.03061	0.50935	0.018612	0.6883
0.48986	0.225158	8.84E-07	0.097314	0.03553	0.103061	0.02594	0.019349	0.67665
6.04E-05	0.338349	5.69E-14	0.046154	0.31961	0.081248	0.07943	0.094895	0.04038
5.74E-14	0.327373	3.97E-13	-0.08873	0.05535	0.120778	0.00899	0.083058	0.07294
0.00019	0.296759	6.00E-11	-0.07955	0.08593	0.055192	0.23388	-0.15042	0.00111
2.98E-07	0.317171	2.25E-12	-0.00797	0.86353	-0.00734	0.87427	-0.136	0.00323
1.93E-10	0.364695	3.88E-16	0.004957	0.91492	0.081595	0.07816	0.09648	0.03714
0.00872	0.273301	1.91E-09	0.021105	0.64917	0.070035	0.13072	-0.10489	0.02339
8.08E-11	0.341857	3.01E-14	0.068163	0.14135	0.004337	0.92554	0.046991	0.31091
0.12777	0.169796	0.00023	0.107619	0.02001	-0.04091	0.37779	-0.0501	0.27991
5.74E-06	-0.06372	0.16922	-0.05621	0.22533	0.016624	0.7201	-0.17069	0.00021
0.01127	-0.02959	0.52358	0.012589	0.78613	0.01357	0.76992	-0.16632	0.00031
0.00015	-0.1355	0.00335	-0.07953	0.08602	-0.05563	0.23015	-0.16059	0.00049
0.001	0.080874	0.08083	-0.07501	0.10547	-0.07362	0.1121	0.103729	0.02498
3.74E-16	0.48227	1.42E-28	0.100106	0.03054	0.008618	0.85265	0.00073	0.98744
0.13195	0.010228	0.82553	-0.15321	0.00089	-0.02292	0.6213	-0.09748	0.03522
3.22E-05	0.294233	8.84E-11	0.099272	0.03197	0.041221	0.37412	-0.03689	0.4264
1.78E-05	0.288911	1.98E-10	0.031385	0.49867	0.026086	0.5739	-0.03589	0.43907
0.02298	-0.00865	0.85214	-0.02238	0.6295	0.053577	0.24787	-0.19703	1.80E-05
0.00132	0.197584	1.70E-05	0.002025	0.96518	0.017118	0.71217	-0.01986	0.6686
3.95E-06	0.326901	4.31E-13	-0.00893	0.84731	0.075061	0.10523	-0.0346	0.45571
1.18E-06	0.184462	6.07E-05	-0.09713	0.03588	-0.04407	0.34194	-0.06449	0.16412
1.52E-07	0.350308	6.27E-15	0.003886	0.93325	0.050074	0.28019	0.050024	0.28067
0.41477	0.206916	6.53E-06	0.06535	0.15855	0.07366	0.1119	-0.03621	0.435
5.29E-08	0.280547	6.80E-10	-0.01052	0.82056	-0.06061	0.19104	-0.14873	0.00127
2.79E-06	0.321752	1.04E-12	0.124066	0.00727	0.099832	0.03101	0.095654	0.0388
0.47985	0.047632	0.30435	-0.0201	0.66484	-0.07561	0.10269	-0.16631	0.00031
0.00084	0.072019	0.12014	-0.04399	0.34287	-0.02617	0.57265	-0.09016	0.05151

0.32936	-0.05407	0.24351	-0.06834	0.14029	-0.08714	0.05987	0.080256	0.08318
5.63E-34	0.550886	2.03E-38	0.080429	0.08252	0.03381	0.46607	-0.0052	0.91083
0.0968	0.031512	0.49693	0.017865	0.70019	0.026062	0.57426	-0.09469	0.04082
3.00E-06	0.207926	5.87E-06	-0.07612	0.10038	-0.07973	0.08525	0.059283	0.20096
3.74E-05	0.174755	0.00015	-0.00726	0.87561	-0.04626	0.31851	-0.15977	0.00053
0.0004	0.132672	0.00408	0.012125	0.79383	-0.00925	0.84194	-0.04434	0.33906
0.0004	0.277428	1.07E-09	0.036199	0.43514	0.008515	0.85439	-0.10405	0.02453
6.10E-05	0.170097	0.00022	0.022279	0.63106	-0.06783	0.14332	-0.03069	0.5082
0.83103	0.067157	0.14733	-0.04367	0.34638	0.054223	0.24221	-0.00745	0.8725
0.79961	-0.08991	0.05217	-0.01396	0.76342	-0.12532	0.0067	-0.12412	0.00724
0.00992	0.238451	1.84E-07	0.056148	0.22587	0.010929	0.81378	-0.09324	0.04403
2.59E-08	0.382615	9.94E-18	-0.02161	0.64129	0.065711	0.15626	-0.10052	0.02985
0.59028	0.020619	0.65673	-0.11206	0.01541	0.014068	0.76173	-0.15454	0.00081
3.01E-06	-0.12685	0.00605	-0.01417	0.76012	0.058324	0.20836	-0.13841	0.00272
0.25775	0.087577	0.05861	-0.10106	0.02898	-0.02758	0.55212	-0.27996	7.40E-10
0.7001	0.130115	0.00486	0.119732	0.0096	0.024053	0.60413	-0.03399	0.46373
1.27E-05	-0.18118	8.24E-05	-0.05438	0.24089	0.11197	0.01549	-0.15604	0.00071
0.02925	0.191127	3.22E-05	-0.00571	0.90211	-0.01121	0.80909	-0.11742	0.0111
2.16E-08	0.191204	3.19E-05	-0.13511	0.00344	-0.12295	0.00782	-0.07401	0.1102
1.56E-14	0.41788	3.67E-21	0.018109	0.69631	0.046602	0.31493	0.080025	0.08408
1.85E-12	0.384519	6.64E-18	0.027679	0.55073	0.082041	0.07653	0.113441	0.01417
1.52E-12	0.364777	3.82E-16	0.058208	0.20927	-0.00123	0.97879	-0.05004	0.28048
0.14786	0.018381	0.69197	0.008273	0.85848	0.059358	0.20039	-0.10343	0.02541
4.03E-08	0.207346	6.24E-06	0.069814	0.13194	0.018702	0.68688	0.068111	0.14165
0.01913	0.181075	8.31E-05	-0.0825	0.07491	-0.0361	0.43636	-0.20235	1.05E-05
0.06155	-0.04687	0.31214	-0.00415	0.92874	-0.02524	0.58637	-0.04583	0.32308
0.00241	0.232627	3.70E-07	0.142705	0.00199	0.147531	0.00139	-0.12013	0.00937
8.93E-09	0.340841	3.62E-14	-0.02695	0.56129	-0.07622	0.09996	-0.01307	0.77809
3.29E-15	0.380271	1.63E-17	0.046355	0.3175	0.048053	0.30008	0.029606	0.52333
0.00011	0.21792	2.00E-06	-0.01276	0.78326	-0.05237	0.25868	-0.15058	0.0011
0.4766	0.12011	0.00938	0.011363	0.80653	-0.02757	0.5523	-0.29966	3.82E-11
2.87E-05	0.203179	9.63E-06	-0.02412	0.60312	-0.01821	0.69465	-0.06646	0.15161
3.94E-05	0.226427	7.64E-07	0.003593	0.93827	-0.08594	0.06352	0.053361	0.24978
0.01455	0.089376	0.05359	-0.00016	0.99731	-0.07231	0.11866	-0.17649	0.00013
5.52E-11	0.406684	5.00E-20	0.06828	0.14067	0.056103	0.22624	-0.12912	0.0052
0.0004	-0.136	0.00323	-0.07494	0.10578	-0.0539	0.24504	-0.23775	2.01E-07
0.13971	-0.00495	0.91495	0.056008	0.22703	-0.05219	0.26032	-0.07938	0.08662
0.93069	0.112924	0.01462	-0.01917	0.67947	0.08767	0.05834	0.029608	0.52331
2.37E-11	0.323792	7.36E-13	-0.05991	0.19626	0.001984	0.9659	0.023687	0.60964
0.00018	0.136719	0.00307	-0.06913	0.13576	-0.02063	0.65655	-0.1699	0.00023
0.00041	0.199697	1.38E-05	0.011354	0.80668	-0.0208	0.65387	0.010656	0.81834
8.41E-07	0.387748	3.33E-18	0.035344	0.44608	0.055823	0.22857	0.027558	0.55247
0.06315	0.195656	2.06E-05	-0.01306	0.7783	0.032937	0.47766	-0.073	0.11518
0.00143	0.234117	3.10E-07	0.010967	0.81314	0.088023	0.05733	0.085539	0.06475
1.41E-15	0.49134	9.43E-30	0.069508	0.13365	0.054842	0.23686	-0.01534	0.74095

1.18E-05	0.316359	2.58E-12	0.06368	0.16949	-4.83E-05	0.99917	-0.05977	0.19726
0.95577	0.040118	0.38705	-0.06579	0.15575	-0.10026	0.03029	0.016678	0.71923
0.01439	0.138096	0.00278	-0.00502	0.91376	-0.04087	0.37821	0.005096	0.91254
3.74E-16	0.476005	8.78E-28	-0.05035	0.27756	0.034913	0.45164	0.018296	0.69332
2.33E-21	0.446655	2.79E-24	0.019401	0.67582	0.035455	0.44465	-0.02909	0.53064
0.92466	0.061681	0.18331	-0.02164	0.64094	0.029013	0.53169	-0.05338	0.24964
2.08E-18	0.467849	8.93E-27	0.167381	0.00028	0.120052	0.00941	-0.11957	0.0097
0.52232	0.14528	0.00164	-0.01845	0.69082	0.063237	0.17248	-0.16145	0.00046
1.39E-09	0.414968	7.30E-21	0.013212	0.77582	0.005641	0.90324	-0.028	0.5461
0.71053	0.0171	0.71245	-0.0475	0.30568	0.010153	0.82678	-0.13022	0.00482
1.50E-09	0.315106	3.18E-12	-0.02037	0.66057	0.050296	0.27807	0.046287	0.31822
1.81E-05	0.17598	0.00013	0.004475	0.92317	-0.00911	0.84438	-0.13307	0.00397
0.00431	-0.07684	0.09722	-0.12344	0.00757	0.006728	0.88471	-0.10269	0.02648
1.45E-10	0.274534	1.61E-09	0.027973	0.54651	0.037232	0.42214	-0.07367	0.11186
1.17E-21	0.521205	6.95E-34	-0.08533	0.0654	0.087528	0.05875	0.031278	0.50014
0.02676	-0.09893	0.03256	-0.00867	0.85179	-0.09341	0.04364	0.073733	0.11155
0.30545	0.044048	0.34221	0.00012	0.99794	-0.01164	0.80192	-0.17672	0.00012
0.00035	0.240673	1.40E-07	-0.05244	0.25806	-0.07853	0.09005	-0.03997	0.38877
0.02157	0.149708	0.00118	-0.03332	0.47256	-0.00317	0.94561	-0.13197	0.00428
0.00057	0.23307	3.52E-07	-0.00797	0.86364	-0.00679	0.88371	-0.07781	0.09304
0.48446	-0.06414	0.16643	-0.02234	0.63008	-0.02536	0.58469	-0.00993	0.83058
0.02107	0.218933	1.78E-06	0.027813	0.54881	0.01347	0.77158	-0.09706	0.036
0.00211	0.262804	8.13E-09	0.020099	0.66485	-0.00902	0.84579	-0.09235	0.04609
1.61E-05	0.297003	5.77E-11	0.012632	0.78543	0.070257	0.1295	0.108652	0.01884
3.75E-08	0.248582	5.23E-08	-0.0134	0.77279	-0.05429	0.24158	-0.06145	0.18494
7.81E-32	0.647797	6.53E-57	0.117283	0.0112	0.077703	0.0935	0.043551	0.3477
0.03186	-0.03293	0.47775	-0.03441	0.4582	-0.11791	0.01077	-0.08844	0.05617
1.78E-09	0.335758	9.07E-14	-0.03359	0.46902	-0.03065	0.50873	0.068716	0.13814
5.32E-07	-0.06286	0.17509	-0.02536	0.58468	-0.02027	0.66222	-0.13669	0.00308
2.45E-12	0.445572	3.70E-24	0.163476	0.00039	0.116937	0.01144	-0.05751	0.21477
0.00623	0.189466	3.78E-05	-0.08535	0.06537	0.09387	0.0426	-0.01208	0.79452
0.00027	0.208934	5.28E-06	0.093506	0.04342	-0.02381	0.60779	0.013633	0.76889
1.59E-06	0.368539	1.80E-16	0.085215	0.06578	0.059376	0.20026	-0.0967	0.03671
3.64E-09	0.397952	3.58E-19	0.019248	0.67823	0.025109	0.58833	-0.05203	0.26183
1.02E-10	0.369843	1.39E-16	-0.02283	0.62265	0.035014	0.45033	-0.00971	0.83422
7.08E-07	0.377698	2.78E-17	0.033253	0.47345	0.004062	0.93024	-0.06094	0.18864
0.67569	0.053347	0.24991	-0.16863	0.00025	0.05476	0.23757	-0.09858	0.03319
0.67292	0.134079	0.0037	-0.00035	0.99396	0.100234	0.03033	-0.01175	0.80015
9.18E-05	0.340214	4.06E-14	0.011838	0.79861	0.054956	0.23589	0.022693	0.62474
0.00198	-0.05614	0.22589	0.078542	0.09	0.01651	0.72195	-0.0725	0.1177
1.40E-07	-0.19448	2.32E-05	-0.1566	0.00068	0.030725	0.50775	-0.10952	0.01791
1.27E-16	0.516838	2.97E-33	0.088306	0.05653	0.106005	0.02196	0.075289	0.10417
0.02894	0.033298	0.47285	-0.11505	0.01285	0.016452	0.72289	0.027978	0.54644
1.90E-11	0.373076	7.19E-17	0.0221	0.63381	0.009002	0.84616	0.029049	0.53119
0.02801	0.245743	7.49E-08	-0.01015	0.82679	-0.04098	0.37694	-0.1696	0.00023

1.14E-08	0.31536	3.05E-12	0.01801	0.69788	0.104532	0.02388	0.017841	0.70058
0.11569	-0.06025	0.19371	-0.15442	0.00081	-0.03542	0.44504	-0.09557	0.03897
6.16E-05	-0.0215	0.64313	-0.03981	0.39076	0.066221	0.15306	-0.10562	0.02244
0.14593	0.150214	0.00113	-0.01479	0.74984	0.063595	0.17006	-0.121	0.00886
0.00018	0.269386	3.31E-09	-0.07483	0.10631	-0.03929	0.3969	-0.13426	0.00365
1.23E-08	0.379834	1.78E-17	-0.02348	0.61271	-0.02818	0.54354	-0.08785	0.05781
0.82697	0.072962	0.11535	0.001639	0.97182	0.00396	0.93199	-0.27291	2.02E-09
0.01793	0.135831	0.00327	-0.02624	0.57164	-0.02815	0.54391	-0.13528	0.0034
0.08506	0.000872	0.985	-0.01833	0.69282	-0.03857	0.40561	0.053335	0.25002
0.00013	0.112273	0.01521	-0.09971	0.03121	-0.1028	0.02632	0.034192	0.46104
3.46E-07	0.362963	5.47E-16	0.074793	0.10648	0.045576	0.32572	-0.08987	0.05227
1.43E-05	0.268601	3.69E-09	-0.00432	0.92575	0.038525	0.4062	-0.0269	0.56205
0.00043	0.255896	2.04E-08	0.053646	0.24726	0.131412	0.00445	-0.05214	0.2608
5.35E-06	0.408796	3.08E-20	0.023347	0.6148	0.05466	0.23842	0.044124	0.34138
9.20E-27	0.462849	3.59E-26	0.129898	0.00493	0.011506	0.80414	-0.16783	0.00027
5.17E-11	0.478296	4.53E-28	0.078478	0.09027	0.111563	0.01587	0.027175	0.55801
2.89E-10	0.504214	1.75E-31	0.15269	0.00093	0.203814	9.02E-06	0.077461	0.09453
0.00173	0.212933	3.44E-06	-0.01358	0.7698	-0.05022	0.27875	-0.17487	0.00015
1.79E-13	0.42831	2.94E-22	0.111844	0.0156	0.067147	0.14739	0.107275	0.02041
2.10E-05	0.308981	8.67E-12	-0.00265	0.95443	0.049879	0.28207	0.080411	0.08259
0.94853	0.11488	0.01299	0.019853	0.66871	-0.0633	0.17206	-0.13664	0.00309
1.46E-14	0.382787	9.58E-18	0.010755	0.81669	0.013327	0.77393	-0.02159	0.64174
0.01663	0.205337	7.70E-06	-0.02244	0.62867	0.017786	0.70146	0.003415	0.94132
4.70E-06	0.352357	4.26E-15	0.037055	0.42436	0.046257	0.31854	-0.00169	0.97091
0.00944	-0.1279	0.00564	0.027035	0.56005	0.008794	0.84967	-0.10503	0.02321
0.04157	0.059478	0.19948	-0.03957	0.39357	-0.13264	0.00409	-0.25173	3.50E-08
3.00E-34	0.594975	4.70E-46	0.09006	0.05178	0.132254	0.0042	-0.00199	0.96586
0.0057	0.120939	0.00889	-0.02337	0.61446	-0.11235	0.01513	-0.0423	0.36172
0.58058	0.033046	0.47622	0.106697	0.0211	0.009085	0.84477	-0.07814	0.09165
0.00011	0.280499	6.84E-10	0.010175	0.82642	-0.04025	0.3855	-0.14113	0.00224
0.00066	-0.13856	0.00269	-0.06161	0.18381	0.004771	0.9181	-0.07832	0.09092
0.18875	0.02061	0.65687	-0.14219	0.00207	-0.04431	0.3393	-0.19634	1.93E-05
8.51E-13	0.402458	1.31E-19	-0.01547	0.73884	-0.03661	0.42989	0.011388	0.80611
1.89E-07	0.239439	1.63E-07	0.049754	0.28328	-0.03435	0.45891	-0.13048	0.00474
0.0021	0.307918	1.03E-11	0.144538	0.00174	0.078878	0.08863	0.082084	0.07638
2.34E-09	0.257348	1.68E-08	0.028209	0.54312	-0.08478	0.06718	-0.17432	0.00015
0.00016	0.150712	0.00109	-0.04394	0.34338	-0.04655	0.31543	-0.01112	0.81052
0.49917	-0.02593	0.57616	-0.04337	0.34974	-0.06981	0.13194	-0.30147	2.88E-11
0.18851	0.174511	0.00015	-0.0169	0.71564	-0.07126	0.12408	-0.07046	0.1284
3.64E-07	0.215525	2.60E-06	0.111853	0.01559	-0.06828	0.14067	-0.08088	0.0808
0.91341	-0.05425	0.24195	-0.11073	0.01668	-0.148	0.00134	-0.12405	0.00728
0.62818	0.118062	0.01067	-0.01998	0.66671	0.006307	0.89187	-0.1226	0.008
0.00988	0.124392	0.00712	-0.09784	0.03455	0.005527	0.90519	0.019073	0.681
1.03E-11	0.296487	6.25E-11	-0.10135	0.02853	-0.01489	0.74819	0.099672	0.03128
1.03E-18	0.408606	3.21E-20	0.066767	0.1497	0.074251	0.10905	-0.03026	0.51421

0.54451	0.033752	0.46683	-0.02376	0.60848	-0.02808	0.54496	-0.05155	0.26628
0.00012	0.327867	3.64E-13	0.139459	0.00252	0.056113	0.22616	0.070304	0.12924
0.06121	-0.03218	0.48788	-0.05963	0.1983	-0.02513	0.58798	-0.04594	0.32185
3.26E-16	0.57751	6.85E-43	0.163738	0.00038	0.117515	0.01104	-0.00129	0.97786
0.00442	0.052806	0.25476	-0.06824	0.14088	-0.02123	0.6473	-0.07011	0.1303
0.34944	-0.02122	0.64746	-0.00327	0.94387	0.003301	0.94328	-0.02483	0.59247
0.00013	0.227413	6.82E-07	-0.01501	0.74635	-0.01063	0.81878	0.003669	0.93698
0.00015	-0.08866	0.05554	0.056422	0.22361	0.001916	0.96705	-0.014	0.76286
2.63E-07	0.314707	3.40E-12	0.043341	0.35002	0.026789	0.56362	0.032167	0.48803
3.65E-19	0.443217	6.83E-24	0.033387	0.47167	0.055563	0.23075	0.1089	0.01857
0.06822	0.03608	0.43665	0.118639	0.01029	0.025301	0.58549	-0.22486	9.14E-07
7.32E-05	0.285786	3.15E-10	0.083227	0.07236	0.072606	0.11714	-0.06767	0.14423
2.67E-08	0.209698	4.87E-06	-0.07086	0.12625	0.065212	0.15944	-0.0538	0.24591
0.00589	0.168136	0.00026	-0.01015	0.82687	0.056896	0.21974	-0.00173	0.97029
0.43117	0.149212	0.00122	-0.11609	0.01206	0.059632	0.19832	-0.11823	0.01055
4.41E-06	0.315331	3.06E-12	0.029704	0.52196	0.053228	0.25097	-0.05286	0.25423
3.80E-05	-0.33735	6.82E-14	-0.01992	0.66768	-0.00304	0.94785	-0.20798	5.84E-06
9.65E-21	0.485902	4.84E-29	0.022366	0.62974	0.113475	0.01414	0.114314	0.01344
0.09394	0.010025	0.82894	-0.08217	0.07606	-0.04825	0.29809	-0.07394	0.11054
9.01E-06	-0.16509	0.00034	-0.16828	0.00026	-0.1283	0.00549	-0.29172	1.30E-10
3.85E-11	0.388127	3.07E-18	0.030981	0.50422	-0.00222	0.96177	-0.04993	0.28156
0.00014	0.289467	1.82E-10	0.058021	0.21073	0.009304	0.84107	-0.09752	0.03514
9.20E-06	-0.17763	0.00011	0.05234	0.25898	0.042708	0.35711	-0.05805	0.21051
0.02707	-0.14889	0.00125	-0.1314	0.00445	-0.08694	0.06049	-0.17843	0.00011
0.5631	0.034435	0.45786	-0.10778	0.01982	-0.00664	0.88623	-0.16889	0.00025
1.71E-05	-0.14825	0.00131	-0.06766	0.14432	-0.01096	0.81327	-0.23869	1.79E-07
0.70734	0.047307	0.30766	0.010407	0.82253	-0.0738	0.11124	-0.10699	0.02074
0.08239	-0.13484	0.00351	-0.07321	0.11412	-0.07507	0.10518	-0.0888	0.05516
2.53E-10	0.301019	3.09E-11	-0.01975	0.67036	0.00718	0.87702	-0.15529	0.00076
0.00553	-0.06849	0.13944	-0.04524	0.32928	0.070769	0.12672	0.092497	0.04574
1.01E-28	0.701935	1.56E-70	0.102843	0.02626	0.179128	9.94E-05	0.086454	0.06193
0.09188	0.165421	0.00033	-0.01334	0.77376	0.035772	0.44057	-0.07519	0.10461
0.05501	0.152148	0.00097	-0.04652	0.31582	0.031412	0.4983	-0.16241	0.00043
1.65E-06	0.273883	1.76E-09	0.045517	0.32635	0.059663	0.19808	0.005844	0.89977
0.00082	-0.04019	0.38622	-0.0945	0.04122	-0.03547	0.44446	-0.16578	0.00032
1.13E-10	0.397085	4.35E-19	-0.0241	0.60342	0.018588	0.68867	0.034577	0.45601
1.51E-10	0.432464	1.05E-22	0.050428	0.2768	0.135383	0.00338	0.027357	0.55538
0.9911	0.024605	0.59585	-0.0927	0.04527	0.006948	0.88097	-0.18539	5.56E-05
1.84E-08	0.418643	3.06E-21	0.063091	0.17348	0.036091	0.43651	-0.0806	0.08188
0.00641	0.277229	1.10E-09	-0.01241	0.78911	0.025855	0.5773	-0.04677	0.3132
0.00677	-0.03805	0.41196	-0.1071	0.02062	0.043953	0.34326	-0.1586	0.00058
0.14198	0.14318	0.00192	-0.0411	0.37547	0.015387	0.74016	0.015404	0.73988
0.00621	0.264608	6.37E-09	-0.03634	0.43336	0.051812	0.26382	0.065239	0.15927
0.75204	0.049552	0.28525	-0.0478	0.30267	0.007757	0.86722	-0.05212	0.26103
0.26626	0.068376	0.14011	0.035305	0.44658	-0.07634	0.09942	0.053794	0.24596

0.24072	0.150548	0.0011	0.007292	0.87511	0.017326	0.70882	-0.03159	0.49592
3.30E-19	0.581021	1.64E-43	0.025261	0.58609	0.059639	0.19827	-0.00794	0.8641
0.01908	-0.04663	0.31469	-0.02623	0.57185	-0.03194	0.49111	-0.2207	1.46E-06
0.06231	-0.02997	0.51818	0.028046	0.54546	-0.00787	0.86526	-0.1064	0.02147
0.51914	0.098971	0.03249	0.026711	0.56476	0.013185	0.77627	0.079538	0.08599
0.20332	0.053048	0.25258	-0.01114	0.81022	0.00906	0.84518	0.151597	0.00102
0.00012	0.282886	4.83E-10	0.125176	0.00676	0.191325	3.15E-05	0.113116	0.01445
0.13909	-0.06318	0.17289	-0.00812	0.86106	0.018666	0.68745	-0.03993	0.38933
2.56E-05	-0.12528	0.00671	-0.02703	0.56009	0.001355	0.9767	-0.23856	1.82E-07
0.42638	0.134945	0.00348	-0.05717	0.21753	0.044294	0.33953	-0.15271	0.00093
5.00E-05	0.247504	6.00E-08	-0.05318	0.25137	-0.00329	0.94339	-0.13727	0.00295
3.71E-07	-0.24284	1.08E-07	-0.01005	0.82846	0.010433	0.82209	-0.19829	1.59E-05
0.0097	0.182564	7.25E-05	0.136034	0.00322	0.027512	0.55314	0.008463	0.85528
4.48E-08	-0.21625	2.40E-06	-0.03825	0.40953	0.011629	0.80209	-0.23483	2.85E-07
0.43587	0.010657	0.81833	-0.01565	0.73586	-0.00446	0.92343	-0.06549	0.15769
0.79094	0.123871	0.00736	-0.00427	0.92662	0.019605	0.6726	-0.04069	0.38027
0.00017	0.195229	2.15E-05	0.033462	0.47067	0.031012	0.50379	0.145157	0.00166
0.87768	-0.0341	0.46223	-0.03417	0.46133	-0.04008	0.38749	-0.07546	0.10338
0.00059	-0.16147	0.00046	-0.06188	0.18188	-0.04915	0.2892	-0.10982	0.0176
0.46668	-0.04123	0.37407	-0.06513	0.15998	0.005164	0.91137	-0.1097	0.01772
0.37914	0.043699	0.34605	-0.04015	0.38672	0.037876	0.41415	-0.0494	0.28675
1.38E-07	0.284344	3.90E-10	-0.03205	0.48955	0.062923	0.17463	0.124933	0.00687
0.26211	0.111225	0.01619	-0.10341	0.02543	0.012478	0.78797	-0.00795	0.86395
0.29927	0.005511	0.90545	-0.01334	0.77375	0.013983	0.76313	-0.14033	0.00237
0.00102	0.159378	0.00055	-0.00817	0.86029	0.093709	0.04296	0.063811	0.16861
0.00074	-0.15164	0.00101	-0.06164	0.18362	0.047445	0.30624	-0.19126	3.18E-05
8.13E-10	-0.24459	8.65E-08	-0.06183	0.18226	0.012264	0.79152	-0.24182	1.22E-07
0.35197	0.070248	0.12955	-0.00685	0.88269	0.024189	0.60208	-0.09261	0.04548
0.00036	0.16342	0.00039	0.23096	4.51E-07	0.046853	0.31233	-0.0136	0.76945
0.43854	-0.11079	0.01661	-0.08239	0.07527	-0.08684	0.06077	0.077465	0.09451
0.80686	0.058291	0.20862	-0.00253	0.9566	0.131124	0.00454	-0.20419	8.68E-06
3.76E-09	-0.28801	2.27E-10	-0.06627	0.15275	-0.12494	0.00686	-0.13833	0.00274
0.00607	0.171763	0.00019	0.011358	0.80662	0.062841	0.17519	-0.06674	0.14987
5.40E-06	0.249466	4.68E-08	0.010297	0.82437	0.081004	0.08035	-0.05398	0.24435
0.00021	0.182165	7.52E-05	0.008145	0.86065	-0.03204	0.48975	-0.05396	0.24453
0.52511	0.079594	0.08577	0.010618	0.81898	0.144349	0.00176	-0.09619	0.03772
0.19744	0.151433	0.00103	0.047352	0.3072	0.030381	0.51251	-0.01656	0.72116
0.35344	-0.01404	0.76226	-0.04339	0.34949	0.001897	0.96739	-0.01175	0.80006
0.00034	0.156291	0.0007	-0.10427	0.02424	-0.03392	0.46462	-0.009	0.84623
0.03305	0.093154	0.04421	0.028931	0.53285	0.03174	0.49382	0.037502	0.41878
2.74E-12	-0.32074	1.24E-12	-0.13679	0.00306	-0.10246	0.02683	-0.24932	4.76E-08
0.26944	0.03122	0.50093	-0.08342	0.07168	-0.0433	0.35051	-0.03952	0.39415
0.39976	-0.07136	0.12359	-0.04941	0.28667	0.078493	0.0902	-0.03465	0.455
0.02762	0.065418	0.15812	-0.0867	0.0612	-0.03473	0.45406	-0.13424	0.00366
0.00024	-0.19044	3.44E-05	-0.17508	0.00014	-0.10913	0.01832	-0.00229	0.96065



0.43449	0.053567	0.24796	-0.19006	3.57E-05	0.004691	0.91947	-0.13007	0.00487
0.02719	-0.11884	0.01016	-0.13451	0.00359	-0.0438	0.34493	-0.21569	2.55E-06
0.17781	0.020111	0.66466	-0.09372	0.04295	-0.08204	0.07655	-0.11228	0.0152
0.00264	-0.11008	0.01733	0.000565	0.99029	-0.06005	0.19517	-0.13003	0.00489
0.408	0.04607	0.32049	0.01575	0.73426	-0.00397	0.93183	-0.09832	0.03365
0.62641	0.086523	0.06172	0.016152	0.72775	0.067763	0.14371	-0.00361	0.93793
0.01465	0.043497	0.34829	0.046469	0.31632	-0.01547	0.73881	0.004387	0.92467
0.00135	-0.16607	0.00031	-0.00859	0.85305	-0.01515	0.74403	-0.06267	0.17638
0.42184	0.058474	0.20719	0.066912	0.14882	0.006368	0.89084	3.30E-05	0.99943
0.00024	-0.18251	7.29E-05	-0.04498	0.33212	-0.08389	0.07009	-0.13659	0.0031
5.86E-05	-0.16157	0.00046	-0.05448	0.24	0.055137	0.23435	-0.22802	6.35E-07
0.93273	0.060547	0.19151	-0.0303	0.51364	-0.0074	0.87327	-0.08546	0.06502
0.0097	-0.08809	0.05713	-0.03681	0.42737	0.028224	0.54291	-0.14371	0.00185
6.20E-06	-0.20764	6.05E-06	-0.02679	0.56354	-0.03301	0.47671	-0.15479	0.00079
0.17403	0.062317	0.17882	-0.00663	0.88634	-0.04949	0.28586	0.014962	0.74708
0.02079	0.27329	1.92E-09	0.06501	0.16074	0.086975	0.06037	-0.02201	0.63517
0.70559	0.044092	0.34173	-0.02403	0.60441	0.060916	0.18881	-0.1024	0.02691
0.82379	-0.01672	0.71851	0.14917	0.00122	-0.04795	0.30111	-0.16754	0.00028
1.35E-11	-0.34013	4.12E-14	-0.11148	0.01595	-0.15263	0.00094	-0.16599	0.00032
0.01924	-0.11505	0.01286	-0.06245	0.17788	-0.06299	0.17415	0.010836	0.81534
0.00204	0.131438	0.00444	-0.02302	0.61976	0.015964	0.73078	0.040219	0.38585
0.00104	-0.0496	0.28478	0.020848	0.65316	0.113843	0.01383	-0.29393	9.27E-11
0.18499	-0.05385	0.2455	-0.04306	0.35319	-0.08051	0.0822	-0.10387	0.02479
0.76337	0.072134	0.11955	-0.03635	0.43318	0.048832	0.29231	-0.06133	0.18585
0.58926	-0.00704	0.87942	0.025601	0.58105	-0.00109	0.98127	-0.11345	0.01417
0.00138	0.00385	0.93386	0.021156	0.64838	0.032299	0.48624	-0.10778	0.01982
0.95765	-0.01356	0.77003	-0.137	0.00301	0.011961	0.79657	-0.08116	0.07975
0.00112	0.140898	0.00227	-0.03622	0.43492	0.016691	0.71903	0.167003	0.00029
0.02147	0.099917	0.03086	0.005899	0.89884	-0.00819	0.85984	-0.03961	0.39313
0.03835	-0.11353	0.0141	-0.09268	0.04532	-0.09555	0.03902	-0.06145	0.18497
1.98E-06	0.209626	4.91E-06	-0.05538	0.23228	-0.03522	0.44762	-0.01284	0.78191
0.05378	-0.08275	0.07402	-0.00892	0.84756	-0.04132	0.37301	-0.04041	0.38365
1.53E-18	-0.39899	2.85E-19	-0.07794	0.09249	-0.12978	0.00497	-0.13533	0.00339
2.75E-05	-0.20886	5.32E-06	0.042748	0.35667	-0.09481	0.04057	0.043902	0.34382
1.17E-05	-0.10841	0.01911	-0.04016	0.38656	-0.07751	0.09433	0.117833	0.01082
0.73819	0.010634	0.81872	0.010097	0.82772	-0.02027	0.66218	0.211345	4.08E-06
0.04652	-0.05211	0.26105	0.05196	0.26245	-0.04255	0.35892	0.06646	0.15159
0.16982	-0.09858	0.0332	-0.02296	0.62072	-0.05173	0.26455	0.017717	0.70256
0.65324	0.12303	0.00777	0.100261	0.03029	0.072841	0.11595	0.111514	0.01591
0.78018	0.06665	0.15042	0.140678	0.00231	-0.0887	0.05543	0.025523	0.5822
0.01036	-0.13889	0.00263	-0.04409	0.3418	-0.11129	0.01613	0.042997	0.35387
0.00067	-0.21134	4.08E-06	-0.00325	0.94422	-0.0538	0.24589	0.098645	0.03307
1.87E-11	-0.37887	2.18E-17	-0.03918	0.3983	-0.05978	0.19718	0.005433	0.90679
0.3405	-0.08548	0.06495	0.005389	0.90754	-0.04153	0.3705	0.11724	0.01123
0.05288	-0.09926	0.03199	0.145417	0.00163	-0.00257	0.95591	0.077866	0.09281

0.33025	0.025126	0.58809	0.178279	0.00011	0.082619	0.07447	0.141612	0.00216
4.28E-06	-0.10905	0.01841	0.006355	0.89106	-0.06513	0.15999	0.044841	0.33359
6.93E-05	-0.04239	0.36066	0.19663	1.87E-05	0.093408	0.04364	0.068292	0.1406
0.00225	-0.08083	0.08099	0.118623	0.0103	0.03099	0.5041	-0.0346	0.45571
0.00682	-0.14725	0.00142	0.0646	0.1634	-0.08005	0.08397	-0.07885	0.08876
0.05841	-0.0724	0.11819	0.123769	0.00741	0.063721	0.16921	0.023068	0.61903
0.89074	-0.03996	0.38888	-0.02377	0.60838	-0.01988	0.66827	0.260947	1.04E-08
0.09702	0.043585	0.34731	-0.06069	0.19045	-0.03665	0.42942	0.217287	2.14E-06
9.60E-10	-0.23225	3.87E-07	0.048167	0.29894	0.002068	0.96445	0.06197	0.18126
0.01969	-0.08087	0.08084	0.206712	6.67E-06	0.037306	0.42122	0.021924	0.63653
0.00425	-0.11982	0.00955	0.028371	0.54081	-0.00613	0.89484	0.062918	0.17466
0.00766	-0.18328	6.78E-05	-0.00197	0.96617	-0.01158	0.80295	-0.07577	0.10199
0.00033	-0.16151	0.00046	-0.00124	0.97866	-0.07297	0.11533	0.018727	0.68648
4.24E-05	-0.1673	0.00028	0.000681	0.98828	-0.07838	0.09067	0.050876	0.27255
2.16E-05	-0.1517	0.00101	-0.01114	0.81027	-0.07272	0.11656	0.027553	0.55254
0.00929	-0.06984	0.13179	0.010319	0.824	-0.04544	0.32714	0.057031	0.21864
1.05E-12	-0.23662	2.30E-07	-0.12014	0.00935	-0.09609	0.03792	-0.04154	0.37038
0.00467	-0.09949	0.03159	0.033385	0.47169	-0.00513	0.91194	0.196365	1.92E-05
0.00065	-0.01994	0.66738	0.031121	0.50229	-0.05305	0.25253	0.039774	0.39114
0.00953	-0.05365	0.24721	-0.07407	0.10992	-0.09146	0.04824	0.003613	0.93793
0.26755	0.05914	0.20206	0.017506	0.70593	-0.05288	0.25405	-0.00173	0.9702
3.04E-09	-0.26057	1.10E-08	-0.05872	0.20528	-0.00077	0.98678	-0.02781	0.5488
3.54E-07	-0.13907	0.0026	0.026508	0.56773	-0.0241	0.60344	-0.05501	0.2354
0.17533	-0.02383	0.60748	-0.06504	0.16053	0.004136	0.92898	-0.0091	0.84451
2.65E-10	-0.38419	7.12E-18	-0.03717	0.42295	-0.08148	0.07859	0.01478	0.75006
0.67604	-0.0634	0.17141	0.033647	0.46822	0.045589	0.32558	0.052553	0.25704
0.05632	0.051126	0.2702	0.051398	0.26766	-0.02108	0.64964	0.163848	0.00038
0.56188	-0.01748	0.70634	-0.0392	0.39796	0.065068	0.16036	-0.06976	0.13224
0.25866	-0.02615	0.57298	0.069146	0.13569	0.037908	0.41375	0.083905	0.07006
0.02625	-0.12031	0.00926	-0.04821	0.29852	-0.07467	0.10707	0.081619	0.07807
0.00164	-0.14863	0.00128	0.002632	0.95476	-0.04341	0.34922	0.083775	0.0705
0.21018	-0.07457	0.10754	-0.04908	0.28986	-0.06692	0.14876	0.055517	0.23113
0.22775	-0.07016	0.13003	-0.0227	0.62468	-0.06864	0.1386	0.09852	0.0333
0.0294	0.148001	0.00134	-0.00023	0.99612	0.127654	0.00574	0.101927	0.02763
0.01772	0.150578	0.0011	-0.03492	0.45161	0.062716	0.17606	0.050268	0.27833
3.69E-12	-0.28884	2.00E-10	-0.00991	0.8308	-0.10451	0.0239	-0.01529	0.74168
0.67312	-0.02737	0.55521	-0.02876	0.53534	-0.04811	0.29951	0.027262	0.55676
2.09E-05	-0.21286	3.47E-06	-0.05196	0.26245	-0.07166	0.12198	-0.08058	0.08194
0.3857	-0.02808	0.54496	-0.032	0.49022	-0.05809	0.21018	-0.03808	0.41159
0.00034	-0.16804	0.00026	-0.00798	0.86346	-0.02443	0.59852	0.11213	0.01534
0.04509	-0.07045	0.12842	0.002937	0.94953	-0.00771	0.86808	0.073296	0.11369
0.04865	0.143445	0.00189	0.012528	0.78715	0.136339	0.00315	0.136021	0.00323
0.01288	-0.09643	0.03723	0.07434	0.10862	0.065943	0.15481	0.142669	0.002
0.0105	-0.15349	0.00088	0.051931	0.26272	-0.03495	0.45111	0.158956	0.00057
0.16794	-0.00942	0.83905	0.045908	0.3222	0.016264	0.72592	0.083749	0.07058

0.58873	0.149083	0.00123	0.016617	0.72023	0.038091	0.4115	-0.02931	0.52744
0.83529	-0.0222	0.63233	-0.00872	0.8509	-0.05031	0.27791	0.036381	0.43283
1.15E-05	-0.14319	0.00192	0.044339	0.33903	-0.00261	0.95509	0.061585	0.184
1.52E-17	-0.41048	2.09E-20	-0.15656	0.00069	-0.18942	3.79E-05	-0.12751	0.00579
0.00504	-0.15533	0.00076	-0.01148	0.80466	-0.02496	0.59062	0.161614	0.00045
2.99E-05	-0.20147	1.15E-05	0.065654	0.15662	0.016645	0.71977	0.11535	0.01262
2.00E-18	-0.42208	1.34E-21	-0.02776	0.54957	-0.11575	0.01231	-0.14807	0.00133
0.83603	-0.02352	0.61216	-0.00605	0.89621	-0.01636	0.72435	0.062324	0.17878
0.02457	-0.04983	0.28254	-0.03714	0.42323	-0.09469	0.04082	0.062342	0.17865
0.0002	-0.19933	1.43E-05	-0.03164	0.49513	-0.06012	0.19465	-0.03134	0.49934
0.36721	0.034158	0.46148	-0.00068	0.98833	-0.01946	0.67482	0.188372	4.19E-05
0.71212	-0.08599	0.06335	0.018307	0.69315	-0.04253	0.35916	0.080473	0.08235
0.65035	-0.08032	0.08293	-0.04254	0.35901	-0.0125	0.78764	-0.02821	0.54311
0.0599	-0.01286	0.78168	-0.10277	0.02636	-0.08752	0.05879	-0.07929	0.08696
8.40E-06	-0.16451	0.00036	-0.06367	0.16953	-0.07569	0.10233	0.009538	0.83713
0.14406	-0.0552	0.23384	0.288558	2.09E-10	0.015618	0.7364	0.218189	1.94E-06
0.90157	0.00069	0.98814	0.070037	0.13071	0.114905	0.01297	0.102119	0.02734
9.70E-07	-0.23975	1.57E-07	0.077011	0.09647	0.065672	0.15651	0.140835	0.00228
0.00508	-0.20464	8.28E-06	-0.14522	0.00165	-0.1489	0.00125	-0.02491	0.59128
1.60E-07	-0.25269	3.09E-08	-0.07617	0.10019	-0.12816	0.00554	-0.09514	0.03987
1.24E-06	-0.29255	1.14E-10	-0.08248	0.07497	-0.0797	0.08536	-0.06322	0.17262
0.07065	0.008028	0.86262	-0.0584	0.20774	-0.09203	0.04686	0.010461	0.82163
1.54E-07	-0.2454	7.82E-08	-0.01249	0.78773	-0.07191	0.12071	0.084711	0.0674
0.00016	-0.22528	8.72E-07	-0.03634	0.43338	-0.0068	0.88354	0.026042	0.57455
7.39E-08	-0.22097	1.42E-06	0.057268	0.21673	-0.01052	0.8207	0.078549	0.08997
2.35E-08	-0.26277	8.18E-09	0.194561	2.30E-05	-0.03804	0.41211	0.021074	0.64965
2.15E-08	-0.19804	1.63E-05	-0.0414	0.37206	-0.06786	0.14315	0.044175	0.34083
2.28E-08	-0.28756	2.42E-10	0.061693	0.18323	-0.08328	0.07219	-0.02655	0.56714
0.43047	-0.01676	0.71793	0.05583	0.22851	0.042969	0.35418	0.083882	0.07013
0.265	-0.02833	0.54141	0.002229	0.96169	-0.01502	0.74609	0.074875	0.10609
1.10E-08	-0.39451	7.68E-19	-0.07601	0.10091	-0.19163	3.06E-05	-0.06872	0.13814
0.0101	-0.09564	0.03884	-0.03185	0.49227	-0.0603	0.19334	-0.1558	0.00073
0.00925	-0.11682	0.01153	-0.0222	0.63231	-0.06019	0.19416	0.064478	0.1642
0.00489	-0.13166	0.00437	0.006905	0.8817	-0.01799	0.69821	0.146753	0.00147
0.06485	-0.09486	0.04046	0.028206	0.54317	-0.0098	0.8327	0.164036	0.00037
0.44027	-0.01637	0.72414	-0.01995	0.66714	-0.02944	0.52565	0.11712	0.01131
0.19065	-0.06521	0.15946	-0.01584	0.73278	0.011062	0.81155	0.08358	0.07115
6.03E-10	-0.29631	6.42E-11	-0.03548	0.44435	-0.09604	0.03802	0.033231	0.47374
0.02821	-0.14093	0.00227	0.034078	0.46254	-0.01541	0.73985	0.189243	3.86E-05
9.10E-09	-0.26575	5.45E-09	0.161384	0.00046	-0.08738	0.05918	0.036738	0.42832
0.00069	-0.17919	9.88E-05	0.044379	0.3386	-0.06196	0.18135	-0.17781	0.00011
0.00042	-0.15988	0.00052	0.045855	0.32277	-0.05779	0.21256	-0.11935	0.00984
0.17989	-0.0481	0.29958	-0.00954	0.8371	-0.04087	0.37815	0.178562	0.0001
0.31962	0.029022	0.53156	0.06314	0.17314	-0.03088	0.50567	0.038767	0.40325
1.11E-08	-0.27231	2.20E-09	-0.03636	0.43308	-0.04643	0.31677	0.053153	0.25164

9.95E-12	-0.29984	3.71E-11	0.142621	0.002	-0.11508	0.01283	-0.13789	0.00283
0.17217	-0.02987	0.51963	0.114138	0.01359	0.001212	0.97916	-0.16482	0.00035
0.82741	-0.01534	0.74096	-0.09723	0.03568	-0.04973	0.28348	0.136988	0.00301
0.59965	-0.05054	0.27569	0.00902	0.84585	0.011799	0.79926	-0.06195	0.18143
9.46E-09	-0.34058	3.80E-14	-0.09488	0.04041	-0.13665	0.00309	0.030726	0.50773
0.00073	-0.12818	0.00554	-0.06831	0.14047	-0.08713	0.05991	0.114264	0.01348
5.17E-15	-0.35037	6.20E-15	-0.04016	0.38657	-0.07937	0.08667	-0.02922	0.52874
0.80681	-0.01243	0.78874	-0.0114	0.80597	-0.0418	0.36743	0.152117	0.00097
0.33218	-0.04302	0.35366	0.183495	6.64E-05	-0.04917	0.28902	0.144517	0.00174
0.0061	-0.11681	0.01153	-0.01451	0.75446	-0.04013	0.38687	0.168919	0.00025
1.32E-10	-0.3389	5.15E-14	-0.14116	0.00223	-0.16865	0.00025	-0.0779	0.09266
0.19463	-0.12376	0.00741	-0.13997	0.00243	-0.19164	3.06E-05	-0.00683	0.88295
0.25743	0.065609	0.15691	-0.0145	0.75458	-0.07182	0.12116	-0.02883	0.53425
0.00038	-0.1654	0.00033	-0.03808	0.41168	-0.11131	0.01611	-0.07498	0.10558
2.98E-09	-0.28028	7.06E-10	-0.03561	0.44262	-0.13246	0.00414	-0.09013	0.0516
0.00077	-0.16118	0.00047	-0.05922	0.20148	-0.08933	0.05373	-0.03881	0.40272
0.01811	-0.08233	0.07552	-0.0081	0.86138	-0.05855	0.20656	0.010062	0.82832
1.27E-08	-0.28118	6.20E-10	-0.09009	0.0517	-0.15009	0.00114	-0.09473	0.04073
6.82E-05	-0.16943	0.00023	-0.01602	0.7298	-0.09272	0.04522	-0.03716	0.42303
0.00062	-0.14855	0.00128	-0.10432	0.02417	-0.15515	0.00077	-0.04295	0.35442
1.64E-09	-0.27933	8.10E-10	-0.11792	0.01076	-0.13272	0.00407	-0.09809	0.03407
5.16E-06	-0.19943	1.41E-05	-0.113	0.01456	-0.13682	0.00305	-0.10833	0.0192
1.35E-13	-0.43828	2.42E-23	0.048087	0.29974	-0.16177	0.00045	-0.01165	0.80171
0.51885	0.009069	0.84502	0.115889	0.01221	-0.02146	0.64372	0.116504	0.01175
0.72877	-0.03163	0.49526	0.130441	0.00475	0.055532	0.23101	0.130887	0.00461
0.62172	-0.00331	0.94315	0.105817	0.0222	0.033512	0.47001	0.204382	8.51E-06
1.12E-07	-0.20593	7.24E-06	0.000998	0.98284	0.023052	0.61926	0.115309	0.01265
0.02533	-0.13673	0.00307	0.001892	0.96748	-0.02769	0.55054	0.254352	2.49E-08
0.0772	-0.11166	0.01578	-0.05431	0.24146	-0.1041	0.02447	0.132369	0.00416
0.11728	-0.11483	0.01302	0.047146	0.30932	0.038838	0.40238	0.12219	0.00821
1.22E-10	-0.31109	6.15E-12	-0.12825	0.00551	-0.10679	0.02099	0.027531	0.55286
4.33E-06	-0.11799	0.01072	-0.08062	0.08179	-0.0804	0.08265	0.08883	0.05507
0.06404	0.007266	0.87556	0.078901	0.08854	0.060134	0.19456	0.061323	0.18587
0.00975	-0.11744	0.01109	-0.04518	0.32998	-0.10938	0.01805	0.043053	0.35324
0.76061	0.059917	0.19618	0.069759	0.13225	-0.04648	0.31618	0.106455	0.0214
5.40E-07	-0.1869	4.82E-05	-0.01934	0.67679	-0.04842	0.29637	0.08982	0.05241
0.00101	-0.12081	0.00897	-0.01272	0.78401	-0.05502	0.23534	0.182209	7.49E-05
9.42E-06	-0.18805	4.32E-05	-0.04804	0.30019	-0.08829	0.05656	0.056574	0.22236
0.00572	-0.02069	0.65565	0.103792	0.0249	0.014116	0.76094	0.131127	0.00453
0.01851	-0.08577	0.06403	0.323374	7.91E-13	0.001635	0.9719	-0.01741	0.70753
0.4938	0.023072	0.61896	0.00505	0.91333	-0.03075	0.50743	0.095402	0.03932
5.90E-05	-0.101	0.02908	-0.0232	0.61706	0.025902	0.57662	0.078707	0.08933
0.00152	-0.12545	0.00664	0.003091	0.94688	-0.05868	0.20557	0.123859	0.00737
3.53E-07	-0.23364	3.29E-07	0.053564	0.24799	-0.06934	0.13457	0.10729	0.02039
0.00011	-0.18941	3.80E-05	0.035857	0.43949	-0.0655	0.15759	0.08581	0.06391

3.89E-07	-0.2393	1.66E-07	-0.01218	0.79287	-0.0295	0.52479	-0.00976	0.83334
0.00201	-0.11681	0.01153	0.036857	0.42683	-0.0014	0.9759	0.072053	0.11996
0.00012	-0.17299	0.00017	0.067795	0.14352	-0.00445	0.92354	0.0409	0.37785
0.04207	-0.09308	0.04438	0.013216	0.77577	0.005905	0.89872	0.09407	0.04216
0.06131	-0.08556	0.0647	0.009652	0.8352	0.067059	0.14792	0.143229	0.00192
0.30386	0.068669	0.13841	0.043902	0.34382	0.049702	0.28379	0.185385	5.57E-05
0.00517	-0.115	0.01289	0.015422	0.73959	-0.02614	0.57313	0.157926	0.00061
0.02027	-0.08619	0.06274	-0.0094	0.83939	-0.01841	0.69148	0.140732	0.0023
0.23609	-0.08498	0.06654	0.029515	0.52462	0.031526	0.49674	0.232612	3.71E-07
0.35979	-0.03793	0.41354	-0.02619	0.57242	-0.0379	0.41387	0.13326	0.00392
5.93E-05	-0.08165	0.07796	0.014041	0.76216	0.043295	0.35053	0.003804	0.93465
7.70E-05	-0.11428	0.01347	0.221218	1.38E-06	-0.06231	0.17891	-0.06242	0.17812
3.42E-06	-0.16822	0.00026	-0.02611	0.57357	-0.05564	0.23011	0.108274	0.01926
2.59E-09	-0.31181	5.47E-12	-0.08081	0.08108	-0.09888	0.03265	-0.07619	0.10009
2.38E-11	-0.33894	5.12E-14	-0.04026	0.38535	-0.06854	0.13915	0.0418	0.36744
6.31E-09	-0.24701	6.39E-08	-0.08375	0.07057	-0.04562	0.32523	0.095119	0.03991
0.07273	-0.08046	0.08238	0.013324	0.77398	-0.03706	0.4243	0.046345	0.31761
0.23537	-0.03619	0.43521	-0.00874	0.85055	-0.03681	0.4274	0.031057	0.50317
2.37E-05	-0.21302	3.41E-06	0.028589	0.53771	-0.02626	0.57134	0.150538	0.0011
0.01009	-0.11594	0.01217	-0.00781	0.86633	-0.02907	0.53085	0.149039	0.00124
0.0142	-0.1543	0.00082	-0.00077	0.9868	-0.05977	0.19732	0.151711	0.00101
0.00795	-0.15832	0.0006	0.002152	0.96301	-0.06733	0.14631	0.111903	0.01555
3.11E-10	-0.30294	2.28E-11	-0.02961	0.52326	-0.07718	0.09574	0.082126	0.07623
0.87494	0.039238	0.39756	0.095489	0.03914	-0.03484	0.4526	0.071549	0.12259
2.54E-05	-0.17943	9.67E-05	-0.03053	0.51051	-0.06913	0.13579	0.082642	0.07439
2.02E-12	-0.33831	5.73E-14	-0.00066	0.98871	-0.12496	0.00685	0.012975	0.77974
0.00267	-0.08501	0.06645	-0.05624	0.22508	-0.07321	0.11414	0.076098	0.10049
0.00118	-0.19948	1.41E-05	-0.00995	0.83012	-0.12435	0.00713	0.024204	0.60186
0.00035	-0.15203	0.00098	-0.04541	0.32752	-0.04019	0.38625	0.094351	0.04155
3.35E-10	-0.26181	9.29E-09	0.015571	0.73716	-0.06629	0.15264	-0.0237	0.60945
0.00378	-0.13673	0.00307	-0.02329	0.61571	-0.03551	0.4439	0.069115	0.13587
0.89872	-0.01203	0.79546	-0.05722	0.21709	-0.04213	0.36368	0.11342	0.01419
0.00022	-0.09507	0.04002	-0.0179	0.69961	-0.06129	0.18612	0.136922	0.00303
1.35E-06	-0.27669	1.18E-09	-0.11934	0.00985	-0.13052	0.00473	0.015937	0.73122
6.26E-09	-0.2245	9.53E-07	0.088223	0.05677	-0.02209	0.63395	0.030183	0.51526
0.00074	-0.01462	0.7526	0.0489	0.29164	-0.00015	0.99739	0.069094	0.13598
0.15621	-0.0392	0.39803	0.117015	0.01139	0.103903	0.02474	0.208765	5.38E-06
0.00234	-0.1168	0.01154	0.160409	0.0005	-0.06726	0.14671	0.072089	0.11978
1.17E-07	-0.2101	4.66E-06	0.007952	0.86392	-0.04765	0.30415	-0.10322	0.02571
0.00024	-0.15281	0.00092	-0.09007	0.05175	0.022786	0.62332	-0.09046	0.05076
1.42E-07	-0.18609	5.21E-05	0.014787	0.74995	-0.0789	0.08854	-0.09811	0.03404
0.00222	-0.10064	0.02966	0.144896	0.00169	0.05115	0.26998	0.124803	0.00693
1.01E-10	-0.30759	1.09E-11	-0.01469	0.7515	-0.04597	0.3215	-0.01085	0.81509
5.19E-21	-0.50488	1.42E-31	-0.11882	0.01017	-0.17594	0.00013	-0.1025	0.02676
0.23518	-0.13074	0.00466	-0.08682	0.06082	-0.11266	0.01486	-0.15472	0.00079

0.00512	-0.23044	4.79E-07	-0.03844	0.40728	-0.06437	0.16491	0.010992	0.81273
0.06397	-0.05221	0.26017	0.035051	0.44986	-0.06544	0.15799	0.131124	0.00454
0.00298	-0.15156	0.00102	0.096926	0.03627	0.063286	0.17215	0.113443	0.01417
2.93E-06	-0.25838	1.47E-08	0.063036	0.17385	-0.12436	0.00713	-0.11836	0.01047
0.01487	0.179418	9.68E-05	0.010749	0.81679	0.044361	0.3388	0.164611	0.00035
2.77E-09	-0.28511	3.48E-10	-0.12614	0.00634	-0.1298	0.00496	-0.04836	0.297
0.06089	-0.02627	0.57126	0.079188	0.08738	0.012904	0.78091	0.066464	0.15156
0.16664	-0.0637	0.16933	0.040674	0.3805	-0.0692	0.13536	0.125266	0.00672
0.01174	-0.02992	0.51892	-0.04709	0.3099	-0.12872	0.00534	-0.0168	0.71734
0.03007	-0.07544	0.1035	0.029008	0.53176	-0.01488	0.74841	0.056746	0.22096
0.00011	-0.19313	2.65E-05	0.059274	0.20103	-0.0199	0.66792	-0.01133	0.80705
0.41794	0.056188	0.22553	0.104219	0.0243	0.09987	0.03094	0.060082	0.19495
1.82E-12	-0.27737	1.07E-09	-0.0021	0.96396	-0.11148	0.01594	-0.10458	0.02382
0.06075	-0.05434	0.24121	0.004614	0.92079	-0.04745	0.30621	0.216844	2.25E-06
0.00463	-0.18198	7.65E-05	-0.05233	0.25904	-0.05958	0.19875	-0.00883	0.84904
2.20E-09	-0.28507	3.51E-10	-0.02229	0.63084	-0.02244	0.6286	-0.12505	0.00682
0.00013	-0.12234	0.00813	-0.02743	0.55431	-0.00343	0.94102	-0.03747	0.41918
0.81298	-0.03772	0.41611	-0.12028	0.00927	0.011826	0.7988	0.104023	0.02457
0.34846	-0.00443	0.92387	0.079002	0.08813	-0.0268	0.56345	0.22046	1.50E-06
0.2289	0.048587	0.29474	0.018881	0.68403	0.037488	0.41896	0.186472	5.02E-05
0.37004	-0.03041	0.51213	0.022823	0.62276	-0.04691	0.31174	0.134048	0.00371
0.00214	-0.17572	0.00014	-0.0219	0.63696	-0.01158	0.80292	0.047456	0.30614
0.13161	-0.00044	0.99249	-0.01567	0.73556	-0.01238	0.78965	0.071943	0.12053
0.13052	-0.02591	0.57652	0.038903	0.4016	0.022559	0.62678	0.137356	0.00294
0.62412	0.026509	0.56771	0.004206	0.92777	-0.02567	0.57996	0.122812	0.00789
0.04966	-0.08936	0.05364	0.040453	0.38309	-0.03533	0.44621	0.03209	0.48907
0.02814	-0.06456	0.16364	-0.00958	0.8365	-0.0369	0.42629	0.166562	0.0003
0.47906	0.00314	0.94604	0.075902	0.10138	-0.00228	0.9608	0.003996	0.93136
0.0035	-0.13886	0.00264	-0.03498	0.45074	-0.06266	0.17641	0.093775	0.04281
0.00065	-0.08063	0.08175	0.021883	0.63715	0.014662	0.752	0.252814	3.04E-08
4.82E-05	-0.07973	0.08523	-0.01096	0.81321	0.129035	0.00523	-0.00047	0.99183
0.25325	0.037112	0.42364	-0.00195	0.96655	-0.03539	0.44549	0.081925	0.07695
0.06319	-0.0777	0.0935	0.068881	0.1372	-0.01683	0.71686	0.154277	0.00082
0.27187	0.005902	0.89877	0.059462	0.1996	-0.04591	0.32221	0.123145	0.00772
0.95367	-0.01141	0.80566	0.097709	0.03478	0.038749	0.40346	-0.05257	0.25692
0.00013	-0.20535	7.69E-06	0.12262	0.00798	-0.02321	0.61688	0.04731	0.30763
0.00066	-0.17627	0.00013	0.057313	0.21637	0.051225	0.26928	0.204639	8.28E-06
0.053	-0.05827	0.20877	0.023811	0.60777	0.078	0.09225	0.021251	0.64691
9.25E-12	-0.29263	1.13E-10	-0.04723	0.30846	-0.09012	0.05162	0.036006	0.43759
0.36896	-0.0188	0.68539	0.401168	1.75E-19	-0.01264	0.78524	0.088031	0.05731
2.79E-12	-0.46745	1.00E-26	-0.11105	0.01635	-0.21802	1.97E-06	-0.05893	0.20369
2.34E-18	-0.32871	3.15E-13	-0.0137	0.76779	-0.06556	0.15722	0.06105	0.18784
2.95E-05	-0.25346	2.80E-08	0.100526	0.02985	-0.06238	0.17838	0.129597	0.00503
1.89E-07	-0.16594	0.00032	-0.01465	0.75224	-0.11592	0.01218	-0.13852	0.0027
0.35897	-0.11298	0.01457	-0.02093	0.65185	-0.08779	0.058	0.091424	0.04832

3.82E-12	-0.27772	1.02E-09	0.014599	0.75302	-0.06598	0.15457	-0.17828	0.00011
0.04859	-0.08159	0.07819	0.02663	0.56594	0.000648	0.98886	0.086372	0.06218
0.02858	-0.04081	0.37887	0.032382	0.48512	0.02095	0.65158	0.129345	0.00512
0.30174	-0.03385	0.4656	0.029212	0.52887	0.012362	0.78989	0.11379	0.01388
0.01217	-0.03725	0.42189	0.012042	0.79522	-0.02212	0.6335	0.029711	0.52186
0.10637	-0.05031	0.27797	-0.0104	0.82266	-0.04539	0.32764	0.04854	0.2952
4.23E-10	-0.30003	3.60E-11	0.158061	0.00061	-0.06986	0.1317	0.060268	0.19357
5.06E-16	-0.44912	1.46E-24	0.020428	0.6597	-0.18593	5.29E-05	-0.09647	0.03716
7.59E-05	-0.21192	3.84E-06	-0.01305	0.77845	-0.09154	0.04803	-0.04496	0.33226
7.65E-15	-0.34861	8.63E-15	-0.05572	0.22939	0.023355	0.61467	-0.02297	0.62051
8.06E-16	-0.36118	7.76E-16	-0.02293	0.62117	-0.0615	0.18459	-0.00332	0.94304
2.99E-06	-0.22016	1.55E-06	-0.03345	0.47086	-0.08544	0.06508	0.036192	0.43523
0.00307	-0.11059	0.01681	0.132221	0.00421	0.012598	0.78599	0.121096	0.0088
2.86E-09	-0.2913	1.38E-10	0.145188	0.00166	-0.00348	0.94028	-0.02394	0.60588
5.37E-10	-0.28592	3.09E-10	-0.0916	0.04789	-0.06434	0.16511	0.073803	0.11121
5.11E-14	-0.3271	4.17E-13	-0.05357	0.24795	-0.06693	0.1487	-0.00881	0.84941
0.9183	-0.01019	0.82624	-0.05212	0.26103	-0.08842	0.05622	0.056469	0.22322
0.08261	0.029575	0.52377	0.119778	0.00957	0.019518	0.67398	0.068256	0.14081
4.49E-24	-0.48645	4.10E-29	-0.02263	0.62568	-0.11548	0.01251	-0.24278	1.08E-07
0.14614	-0.06839	0.14	0.194675	2.27E-05	-0.03978	0.39103	0.090931	0.04955
1.17E-07	-0.20451	8.40E-06	0.043463	0.34867	0.000591	0.98984	-0.07975	0.08517
2.31E-10	-0.26424	6.70E-09	-0.00212	0.9635	-0.04516	0.33017	0.013794	0.76623
0.17854	-0.05784	0.2122	0.21938	1.70E-06	0.101959	0.02758	0.035739	0.44101
0.01294	-0.0136	0.76938	0.009818	0.83242	-0.02865	0.53688	0.032955	0.47742
1.66E-50	0.597607	1.51E-46	0.078801	0.08894	0.054974	0.23573	-0.05719	0.21734
3.66E-27	0.353483	3.44E-15	0.003316	0.94303	0.025548	0.58183	-0.00225	0.96131
1.98E-26	0.52657	1.14E-34	0.031565	0.49621	0.028169	0.54371	-0.03126	0.50043
1.17E-07	0.076596	0.09828	-0.11842	0.01043	-0.09785	0.03452	-0.02698	0.56086
6.28E-55	0.618205	1.42E-50	0.07485	0.10621	0.09336	0.04375	0.247318	6.14E-08
7.05E-19	0.367745	2.11E-16	0.010061	0.82833	0.092875	0.04486	-0.09304	0.04447
4.62E-08	0.124927	0.00687	0.058635	0.20594	-0.07812	0.09173	-0.04388	0.34412
4.51E-35	0.489396	1.70E-29	-0.00222	0.96192	0.056902	0.21969	-0.08554	0.06476
1.77E-23	0.492743	6.16E-30	-0.00807	0.86199	0.082337	0.07547	-0.03766	0.41687
8.12E-41	0.55852	1.17E-39	0.036702	0.42878	0.115332	0.01263	0.089681	0.05278
4.59E-26	0.443561	6.25E-24	0.034597	0.45575	0.094599	0.04101	0.043644	0.34666
3.30E-45	0.655715	9.95E-59	0.109643	0.01778	0.104331	0.02415	0.017106	0.71236
2.43E-19	0.259659	1.24E-08	0.036122	0.43612	-0.10648	0.02136	-0.02331	0.61539
6.40E-11	0.22061	1.48E-06	-0.07322	0.11405	-0.00281	0.9517	-0.08195	0.07688
2.34E-06	0.142771	0.00198	-0.20257	1.03E-05	-0.01148	0.80459	-0.04522	0.32956
2.23E-23	0.360073	9.64E-16	0.024899	0.59147	-0.00799	0.8632	0.036528	0.43098
9.28E-06	0.138476	0.00271	-0.08321	0.07241	-0.03959	0.39328	-0.31567	2.89E-12
2.18E-33	0.394	8.58E-19	0.046379	0.31726	0.035545	0.44349	0.034475	0.45734
1.79E-45	0.598839	8.81E-47	0.076092	0.10052	0.115746	0.01231	0.12312	0.00773
2.80E-32	0.528853	5.20E-35	0.149005	0.00124	0.064447	0.1644	0.038221	0.40991
6.59E-09	0.265191	5.89E-09	-0.03728	0.4215	0.02279	0.62326	-0.25538	2.18E-08

1.13E-17	0.320715	1.24E-12	-0.06159	0.18394	0.017659	0.70348	0.130618	0.0047
1.35E-41	0.627591	1.64E-52	0.082041	0.07653	0.107249	0.02044	-0.00321	0.94489
3.57E-28	0.505395	1.20E-31	0.038268	0.40933	0.07152	0.12274	-0.02355	0.61177
3.21E-20	0.338184	5.86E-14	0.027221	0.55735	0.044434	0.338	0.115454	0.01254
4.99E-24	0.47257	2.35E-27	0.087623	0.05848	0.070329	0.12911	0.009599	0.8361
6.44E-45	0.519237	1.34E-33	-0.0078	0.8665	0.060354	0.19293	0.131431	0.00444
2.22E-25	0.375217	4.64E-17	0.019367	0.67635	0.076665	0.09797	-0.14515	0.00166
1.23E-23	0.473384	1.86E-27	0.003162	0.94567	0.049073	0.28993	-0.06083	0.18947
1.49E-13	0.363958	4.49E-16	0.016808	0.71715	0.033724	0.46721	-0.05332	0.25012
1.42E-38	0.475954	8.91E-28	0.005306	0.90896	-0.00054	0.99067	-0.01166	0.80165
2.07E-36	0.483647	9.44E-29	-0.08146	0.07866	0.056265	0.2249	0.045177	0.32998
3.40E-08	0.258998	1.35E-08	-0.02105	0.65003	0.04383	0.34461	0.013994	0.76294
3.03E-21	0.394367	7.92E-19	0.016145	0.72786	0.160651	0.00049	-0.00287	0.95075
2.13E-37	0.551844	1.42E-38	-0.03454	0.45654	0.049345	0.28727	-0.00856	0.85355
2.03E-07	0.209687	4.87E-06	-0.03374	0.46697	0.04228	0.36196	0.052361	0.25879
3.45E-14	0.272832	2.04E-09	-0.02706	0.55974	-0.01391	0.76435	0.043811	0.34482
1.47E-07	0.253159	2.91E-08	-0.10686	0.02091	0.045312	0.32853	-0.1435	0.00188
2.67E-44	0.628495	1.06E-52	0.064138	0.16644	0.028244	0.54263	-0.02846	0.53957
1.97E-12	0.2527	3.09E-08	-0.00553	0.90517	-0.01407	0.76167	-0.08811	0.05708
1.48E-20	0.365213	3.50E-16	-0.02652	0.56754	-0.02804	0.5456	-0.17772	0.00011
4.29E-41	0.481035	2.04E-28	0.040552	0.38193	0.013341	0.77369	-0.02906	0.53109
9.19E-43	0.630905	3.28E-53	0.141795	0.00213	0.14718	0.00143	-0.0492	0.28868
1.18E-39	0.56621	6.07E-41	0.027985	0.54633	-0.00358	0.93843	0.005406	0.90725
3.84E-50	0.42011	2.15E-21	-0.01472	0.75107	-0.03751	0.41864	-0.04824	0.29824
5.46E-29	0.441406	1.09E-23	-0.0538	0.24588	0.033822	0.46592	0.162411	0.00043
2.18E-21	0.378581	2.31E-17	0.034015	0.46336	0.04541	0.32748	0.000307	0.99472
3.05E-11	0.209643	4.90E-06	-0.05399	0.24426	-0.1368	0.00305	-0.00527	0.90965
1.25E-11	0.309692	7.73E-12	-0.04684	0.31243	0.003611	0.93797	-0.13284	0.00403
1.10E-47	0.589972	3.96E-45	0.011181	0.80956	0.031061	0.50312	0.030481	0.51112
4.85E-14	0.269328	3.33E-09	0.003802	0.93469	0.095671	0.03877	-0.01008	0.82805
1.25E-05	0.133516	0.00385	0.037608	0.41746	-0.03668	0.42907	-0.09736	0.03544
1.24E-10	0.309	8.64E-12	0.074311	0.10876	0.008928	0.84741	-0.03401	0.46345
7.94E-40	0.607657	1.78E-48	0.015875	0.73224	0.112769	0.01476	0.039561	0.39368
1.37E-35	0.47851	4.25E-28	-0.02266	0.6253	0.004153	0.92868	0.01621	0.7268
3.86E-30	0.360418	9.01E-16	0.011591	0.80273	0.037803	0.41505	0.086228	0.06262
4.00E-35	0.487066	3.42E-29	0.050853	0.27277	0.005324	0.90865	0.028942	0.5327
1.03E-39	0.511119	1.92E-32	0.001214	0.97913	0.052905	0.25386	0.016453	0.72287
1.63E-06	0.171634	0.00019	-0.03276	0.48008	0.030834	0.50625	-0.13592	0.00325
1.93E-28	0.445079	4.21E-24	0.067889	0.14296	0.031271	0.50023	0.021665	0.64052
9.44E-26	0.410123	2.26E-20	-0.04182	0.36722	-0.07974	0.08519	0.135015	0.00346
5.65E-40	0.575091	1.81E-42	0.093137	0.04425	0.042598	0.35835	0.058746	0.20508
3.12E-11	0.220356	1.52E-06	-0.02293	0.62115	-0.03126	0.50034	0.019436	0.67527
7.23E-08	0.283526	4.40E-10	0.011259	0.80827	0.071152	0.12468	-0.03872	0.4038
1.10E-21	0.544027	2.49E-37	-0.00208	0.96419	0.104992	0.02326	0.070338	0.12906
3.27E-39	0.537611	2.46E-36	-0.04403	0.34243	-0.03483	0.45269	0.07338	0.11328



5.99E-59	0.611978	2.51E-49	0.072505	0.11765	0.03842	0.40748	0.031444	0.49786
5.40E-38	0.529817	3.73E-35	0.004046	0.93051	0.030882	0.50559	-0.01317	0.77653
5.72E-46	0.605754	4.17E-48	0.036565	0.43051	0.069297	0.13483	0.033206	0.47408
7.21E-23	0.358536	1.30E-15	0.043428	0.34906	-0.03562	0.44249	-0.03401	0.46345
0.00015	0.024403	0.59888	-0.0175	0.70609	-0.03461	0.45556	-0.07593	0.10123
2.19E-14	0.312997	4.50E-12	0.004189	0.92806	-0.029	0.53185	-0.00346	0.94057
4.78E-18	0.415564	6.35E-21	0.076279	0.09968	0.094635	0.04093	-0.09721	0.03572
8.48E-29	0.380158	1.67E-17	-0.02969	0.52221	0.006231	0.89317	-0.10106	0.02898
7.07E-05	0.189257	3.85E-05	-0.00669	0.88529	0.02609	0.57385	-0.1153	0.01265
2.93E-31	0.396098	5.41E-19	0.093415	0.04362	0.00702	0.87974	0.017105	0.71237
0.00495	-0.03755	0.41823	-0.11258	0.01493	-0.03637	0.43301	-0.09706	0.03601
1.30E-07	0.165854	0.00032	-0.06384	0.16844	0.026279	0.57108	-0.17101	0.0002
1.80E-37	0.608977	9.81E-49	0.03549	0.4442	0.095995	0.03811	-0.04863	0.29434
7.68E-23	0.455554	2.63E-25	0.092138	0.04659	0.119494	0.00975	-0.10937	0.01807
6.16E-41	0.589763	4.33E-45	0.060264	0.1936	-0.00329	0.94349	0.063067	0.17364
2.16E-27	0.41043	2.11E-20	-0.01386	0.76507	0.035263	0.44712	-0.13472	0.00354
2.18E-06	0.126093	0.00636	-0.06898	0.13661	-0.0088	0.84962	-0.22508	8.91E-07
1.81E-27	0.447548	2.21E-24	0.177845	0.00011	0.074446	0.10812	0.082529	0.07479
1.22E-32	0.52026	9.53E-34	0.054987	0.23563	0.0577	0.21328	-0.06362	0.16989
2.98E-41	0.476645	7.30E-28	-0.03085	0.50606	0.031395	0.49853	-0.03685	0.42688
3.47E-16	0.247067	6.34E-08	-0.08426	0.06888	0.038506	0.40642	0.043969	0.34308
4.23E-77	0.744726	1.06E-83	0.06141	0.18525	0.079572	0.08586	0.076891	0.09699
2.16E-05	0.14865	0.00127	-0.09451	0.04119	0.046156	0.31959	-0.21717	2.17E-06
6.40E-13	0.280507	6.83E-10	0.027047	0.55987	0.002901	0.95015	-0.08065	0.08169
0.73778	-0.05692	0.21953	0.02154	0.64244	-0.06625	0.15287	-0.26251	8.47E-09
5.07E-47	0.704718	2.56E-71	0.097381	0.0354	0.149799	0.00117	0.135408	0.00337
1.31E-54	0.668746	7.67E-62	0.108001	0.01957	0.132983	0.00399	0.058825	0.20447
1.50E-28	0.477481	5.73E-28	0.003429	0.94109	0.082164	0.07609	0.017216	0.71058
1.60E-34	0.432591	1.02E-22	0.064942	0.16118	0.008767	0.85014	0.072312	0.11864
1.46E-67	0.653375	3.47E-58	0.050117	0.27978	0.141983	0.0021	0.188232	4.25E-05
1.44E-25	0.481323	1.87E-28	0.023526	0.61207	0.046523	0.31576	-0.01947	0.67471
2.51E-41	0.667493	1.55E-61	0.173141	0.00017	0.174305	0.00015	-0.00899	0.84643
5.16E-12	0.274862	1.54E-09	0.077655	0.09371	0.082459	0.07504	0.001721	0.97041
4.05E-54	0.556002	3.01E-39	0.059321	0.20068	0.066588	0.1508	0.146357	0.00152
3.72E-42	0.593455	9.01E-46	0.019268	0.67792	0.095174	0.03979	-0.04755	0.30515
0.00016	0.259241	1.31E-08	0.161777	0.00045	0.093788	0.04279	-0.04474	0.3347
3.69E-30	0.471328	3.35E-27	0.016	0.7302	0.110368	0.01703	-0.08574	0.06412
3.28E-24	0.355058	2.54E-15	0.103798	0.02489	-0.0448	0.33407	-0.03098	0.50425
0.92068	-0.20422	8.65E-06	0.065364	0.15846	-0.05299	0.25307	-0.10817	0.01938
3.36E-16	0.302988	2.26E-11	-0.01843	0.69119	0.04794	0.30123	-0.13178	0.00434
5.22E-18	0.310595	6.67E-12	-0.08012	0.08372	0.014684	0.75162	-0.0848	0.06711
1.33E-48	0.533425	1.07E-35	0.053375	0.24966	0.061659	0.18346	0.143525	0.00187
2.99E-43	0.499992	6.59E-31	0.043066	0.3531	0.019954	0.66713	0.132111	0.00424
4.89E-53	0.602248	1.98E-47	0.088543	0.05587	0.058328	0.20833	-0.00927	0.84161
8.02E-07	0.061097	0.1875	-0.1529	0.00092	-0.04671	0.3138	-0.08274	0.07403

9.61E-47	0.553022	9.19E-39	-0.04691	0.31174	-0.00757	0.87046	0.006791	0.88364
1.01E-18	0.384334	6.91E-18	0.077253	0.09542	0.092823	0.04498	-0.03266	0.48136
1.76E-28	0.49951	7.66E-31	0.03552	0.44381	0.112595	0.01492	0.097355	0.03545
1.11E-25	0.40599	5.86E-20	0.018436	0.6911	0.016536	0.72153	-0.07167	0.12196
1.22E-33	0.554667	4.97E-39	0.018252	0.69402	0.091917	0.04712	-0.07548	0.1033
4.87E-11	0.163415	0.00039	-0.15414	0.00083	-0.08443	0.06831	-0.06856	0.13904
1.23E-20	0.36579	3.13E-16	-0.02053	0.65817	0.046469	0.31632	-0.0288	0.53468
2.87E-48	0.583975	4.86E-44	0.026586	0.56659	0.009232	0.84229	-0.05455	0.23936
2.08E-18	0.261841	9.26E-09	-0.13054	0.00472	0.005553	0.90473	-0.02797	0.5465
0.01019	0.057686	0.21339	-0.00829	0.85817	0.067373	0.14603	0.074197	0.1093
0.02562	-0.02697	0.56099	-0.18965	3.71E-05	-0.03185	0.49228	-0.09113	0.04905
1.32E-26	0.384997	6.00E-18	-0.0415	0.37088	0.052548	0.25708	-0.09641	0.03727
3.67E-16	0.282715	4.96E-10	-0.01341	0.77255	-0.0091	0.84453	-0.12879	0.00532
1.52E-12	0.234145	3.09E-07	-0.01223	0.79215	0.036758	0.42807	-0.00818	0.86013
4.62E-13	0.215912	2.49E-06	-0.02344	0.61343	0.014873	0.74854	-0.06014	0.19451
4.66E-26	0.341967	2.95E-14	-0.01221	0.79235	0.014064	0.76179	0.118284	0.01052
8.99E-40	0.501784	3.76E-31	0.004119	0.92926	0.075332	0.10397	0.062357	0.17854
4.28E-10	0.185724	5.39E-05	-0.09824	0.0338	-0.0577	0.21328	-0.08157	0.07824
8.37E-27	0.503158	2.44E-31	0.066467	0.15155	0.071275	0.12402	0.038559	0.40578
1.91E-43	0.622271	2.09E-51	0.046839	0.31248	0.118445	0.01041	-0.00581	0.90038
6.26E-55	0.680875	6.95E-65	0.088116	0.05707	0.147511	0.00139	0.160639	0.00049
1.89E-12	0.223257	1.10E-06	-0.0824	0.07526	-0.00691	0.88163	-0.00628	0.8923
3.74E-48	0.530478	2.97E-35	-0.00881	0.84936	0.078988	0.08819	0.09216	0.04654
2.43E-43	0.555714	3.36E-39	0.099724	0.03119	0.047705	0.30361	-0.00295	0.94932
6.12E-45	0.595613	3.57E-46	-0.0302	0.51499	0.057077	0.21827	-0.07555	0.10298
8.02E-34	0.42459	7.30E-22	-0.04431	0.3394	-0.01552	0.73794	0.085244	0.06569
1.20E-42	0.517804	2.15E-33	-0.00118	0.97974	-0.0016	0.9725	0.065112	0.16008
4.96E-24	0.474792	1.25E-27	0.095503	0.03911	0.103101	0.02588	0.029524	0.52448
3.01E-48	0.578699	4.23E-43	0.040431	0.38336	0.064051	0.16701	0.118181	0.01059
1.06E-32	0.466204	1.42E-26	0.023662	0.61002	0.055749	0.22918	-0.01583	0.73289
3.41E-06	0.183755	6.49E-05	0.017573	0.70486	-0.01326	0.77511	-0.08216	0.0761
3.18E-20	0.357131	1.71E-15	0.002259	0.96116	0.014612	0.7528	-0.04584	0.32296
5.69E-35	0.602261	1.97E-47	0.112934	0.01461	0.18278	7.10E-05	0.040858	0.37834
2.65E-31	0.539747	1.15E-36	0.006174	0.89415	0.050667	0.27453	-0.0347	0.45447
1.09E-23	0.399584	2.49E-19	-0.00767	0.86876	0.019372	0.67627	-0.05538	0.23232
7.49E-42	0.548196	5.46E-38	0.06271	0.1761	0.021345	0.64546	0.124604	0.00702
7.55E-26	0.495746	2.46E-30	0.056932	0.21944	0.077294	0.09525	-0.0546	0.23894
0.21376	0.042268	0.36209	0.106453	0.0214	0.086883	0.06065	0.038006	0.41255
0.38805	-0.07203	0.12006	0.0081	0.86142	0.130193	0.00483	-0.00992	0.83074
0.7503	0.05437	0.24093	0.061541	0.18431	0.072373	0.11833	0.017483	0.70629
0.3776	0.039345	0.39627	0.180623	8.67E-05	0.030513	0.51068	0.184592	6.00E-05
0.4245	-0.03817	0.41048	0.095273	0.03959	0.076835	0.09723	0.003079	0.94709
0.91112	0.029788	0.52078	0.048808	0.29255	0.076051	0.1007	-0.03067	0.50844
0.15316	0.001164	0.97998	0.018755	0.68603	0.027363	0.5553	-0.02021	0.66315
0.44148	-0.04245	0.36002	0.033172	0.47453	0.007587	0.87012	-0.04051	0.38245

0.97388	-0.00525	0.90996	0.066578	0.15086	0.034166	0.46138	0.097506	0.03516
0.09427	-0.08783	0.05789	0.033601	0.46883	-0.01064	0.81869	-0.05109	0.27054
0.66161	-0.00799	0.86328	0.032037	0.48978	-0.01509	0.74506	-0.08207	0.07642
0.76674	-0.01211	0.79408	0.043156	0.35209	0.006147	0.89461	-0.01177	0.79981
0.82136	0.027963	0.54665	0.062277	0.17911	0.009574	0.83652	0.038949	0.40105
0.96946	-2.46E-05	0.99958	0.036066	0.43683	0.01338	0.77305	-0.00498	0.91449
0.91219	-0.02311	0.61835	0.443927	5.68E-24	-0.02835	0.54105	-0.03353	0.46977
0.81209	0.020832	0.65341	0.02777	0.54943	0.011233	0.80869	-0.03772	0.41611
0.30067	-0.05149	0.2668	0.041981	0.36536	-0.01787	0.70012	-0.05356	0.24803
0.06284	-0.06876	0.13791	0.09905	0.03235	0.068851	0.13737	0.013764	0.76673
0.03347	-0.11095	0.01645	0.012925	0.78057	-0.00874	0.85057	-0.02268	0.62493
0.04865	-0.09853	0.03327	0.030866	0.50579	0.018702	0.68688	0.014261	0.75855
0.16656	-0.01908	0.68084	0.157048	0.00066	0.176709	0.00012	0.071781	0.12137
0.23121	0.101542	0.02823	0.040763	0.37946	0.31141	5.84E-12	-0.00141	0.97568
0.85892	0.026646	0.56571	0.056774	0.22072	0.16546	0.00033	0.001774	0.9695
0.94515	0.023454	0.61317	0.163323	0.00039	0.140748	0.0023	0.113376	0.01423
0.67504	-0.0024	0.95869	0.085513	0.06484	0.170667	0.00021	0.10433	0.02415
0.16967	-0.08725	0.05957	0.023421	0.61366	0.003093	0.94684	-0.03422	0.46072
0.18734	-0.05107	0.2707	0.088635	0.05561	0.06891	0.13703	-0.01024	0.82526
0.74301	-0.01525	0.74237	0.035868	0.43936	0.012404	0.78921	-0.01526	0.74222
0.15413	-0.0518	0.26395	0.086754	0.06103	0.079687	0.0854	0.014172	0.76002
0.67989	0.024237	0.60136	0.034423	0.45802	0.058574	0.20641	-0.03711	0.42362
0.36948	0.02287	0.62204	0.026501	0.56783	0.025835	0.5776	-0.0131	0.77775
0.97459	0.006556	0.88763	0.062678	0.17632	0.055634	0.23015	0.032174	0.48794
0.54599	-0.02216	0.63291	0.055129	0.23442	0.058574	0.20641	-0.00713	0.8778
0.89145	-0.00145	0.97514	0.034518	0.45678	0.026947	0.56133	-0.00093	0.98398
0.3796	-0.03673	0.42842	0.022171	0.63273	0.001922	0.96695	-0.03029	0.51376
0.6187	0.000255	0.99561	0.033322	0.47254	0.018	0.69804	0.020066	0.66538
0.85592	-0.009	0.84615	0.017733	0.70231	0.006358	0.89101	-0.01928	0.67773
0.84548	0.012077	0.79463	0.02435	0.59968	0.010489	0.82115	0.003349	0.94247
0.78781	0.01174	0.80024	0.021064	0.64982	0.078851	0.08874	-0.03206	0.48952
0.00549	-0.14715	0.00143	0.07907	0.08786	0.068476	0.13953	0.034283	0.45985
0.32209	-0.05997	0.19582	0.014036	0.76226	0.005385	0.90761	-0.03389	0.46497
0.21639	-0.08438	0.06849	0.008862	0.84852	-0.01736	0.70833	-0.05846	0.20728
0.1072	-0.00847	0.85517	0.107448	0.02021	-0.01127	0.80808	0.005122	0.9121
0.79009	-0.01152	0.80399	0.038364	0.40816	0.033222	0.47386	0.036243	0.43458
0.32318	-0.04538	0.32781	0.030894	0.50542	0.025519	0.58227	-0.0137	0.76784
0.47773	-0.03416	0.4614	0.009579	0.83643	0.001185	0.97962	-0.03751	0.41868
0.7408	-0.01773	0.7023	0.01273	0.7838	0.01701	0.71389	-0.01118	0.80965
0.59682	-0.03151	0.49701	0.022805	0.62303	0.005544	0.90489	-0.03097	0.50431
0.6776	-0.01977	0.67004	0.005203	0.91072	0.007835	0.86591	-0.02064	0.65645
0.12216	-0.07145	0.12312	0.020489	0.65875	0.006043	0.89638	-0.03366	0.46802
0.30985	-0.05196	0.26243	-0.00753	0.87101	0.00111	0.98092	-0.02096	0.65144
0.17356	-0.06362	0.16989	-0.01009	0.82779	-0.00962	0.8357	-0.01523	0.74273
0.41237	-0.04218	0.36312	-0.01393	0.76403	0.006444	0.88954	-0.01037	0.82312

0.10692	0.068649	0.13853	0.318757	1.73E-12	0.014108	0.76107	0.067448	0.14558
0.21509	-0.04569	0.32451	0.086419	0.06204	0.071376	0.12349	0.01461	0.75284
0.2698	0.115722	0.01233	0.103782	0.02491	0.095752	0.0386	0.235307	2.69E-07
0.60721	-0.02335	0.61477	0.013255	0.77512	-0.00646	0.88935	-0.03163	0.49531
0.52643	-0.03454	0.45651	0.024165	0.60244	0.005109	0.91233	-0.03125	0.50052
0.52335	-0.04292	0.35471	0.023417	0.61372	0.002044	0.96486	-0.04702	0.3106
0.12622	-0.07037	0.12886	0.087609	0.05851	0.087593	0.05856	0.02079	0.65407
0.29416	-0.05575	0.22917	0.020316	0.66147	0.009131	0.84399	-0.0376	0.41761
0.22541	-0.06246	0.1778	0.079726	0.08525	0.079904	0.08455	-0.00016	0.99728
0.13001	0.032592	0.4823	0.018295	0.69333	0.104929	0.02335	0.007332	0.87445
0.92858	-0.00736	0.87403	0.012815	0.7824	-0.0044	0.92437	0.00046	0.99209
0.03634	-0.10248	0.0268	0.078443	0.09041	0.060018	0.19543	-0.00853	0.85416
0.28507	-0.05428	0.24171	0.043849	0.34441	0.030517	0.51063	-0.01801	0.69791
0.15705	-0.03152	0.49688	0.075743	0.1021	0.113006	0.01455	-0.04093	0.37752
0.43934	-0.02985	0.51989	0.044129	0.34133	0.047609	0.30458	0.008432	0.85579
0.392	-0.06479	0.16216	0.144038	0.0018	0.064152	0.16635	-0.0015	0.97419
0.27982	0.006284	0.89228	0.069955	0.13116	0.042551	0.35888	0.057677	0.21346
0.1023	-0.08106	0.08015	0.009422	0.83909	-0.0138	0.76619	-0.04782	0.3024
0.63803	-0.01194	0.79683	0.068164	0.14135	0.046162	0.31953	0.121342	0.00867
5.24E-15	-0.4177	3.83E-21	0.058686	0.20555	-0.08145	0.07868	-0.12423	0.00719
9.31E-31	-0.60141	2.86E-47	-0.07113	0.12479	-0.12513	0.00678	-0.19963	1.38E-05
5.79E-13	-0.48926	1.77E-29	-0.12079	0.00898	-0.0515	0.26675	-0.16507	0.00034
8.28E-07	-0.2709	2.68E-09	-0.02594	0.57604	0.026867	0.56249	-0.26923	3.38E-09
8.57E-10	-0.396	5.53E-19	-0.03554	0.44356	-0.05315	0.25168	-0.01808	0.69684
1.45E-16	-0.40762	4.03E-20	-0.07224	0.11902	-0.14303	0.00194	-0.03442	0.45806
4.29E-12	-0.29156	1.33E-10	-0.01424	0.75884	-0.01931	0.67722	-0.11984	0.00954
1.11E-17	-0.4676	9.58E-27	-0.18044	8.81E-05	-0.17788	0.00011	-0.0989	0.03262
6.42E-17	-0.5028	2.73E-31	-0.10939	0.01805	-0.12674	0.00609	-0.2957	7.06E-11
1.14E-17	-0.38602	4.82E-18	-0.0387	0.40405	-0.03494	0.45134	-0.19119	3.20E-05
0.00606	-0.21312	3.37E-06	-0.08606	0.06314	-0.08476	0.06724	-0.03793	0.4135
1.42E-18	-0.40814	3.58E-20	-0.06813	0.14157	-0.0626	0.17687	-0.12715	0.00593
1.33E-11	-0.50604	9.79E-32	-0.11162	0.01582	-0.09164	0.0478	-0.12864	0.00537
3.60E-46	-0.73888	9.45E-82	-0.0985	0.03334	-0.09372	0.04294	-0.202	1.09E-05
8.16E-08	-0.34039	3.93E-14	-0.1314	0.00445	-0.03525	0.44731	0.05892	0.20374
1.03E-12	-0.48675	3.76E-29	-0.14643	0.00151	-0.11699	0.0114	-0.17058	0.00021
1.70E-15	-0.37833	2.44E-17	-0.13152	0.00441	-0.09875	0.03288	-0.22076	1.45E-06
1.48E-17	-0.5406	8.51E-37	-0.05805	0.21048	-0.14906	0.00123	-0.18775	4.45E-05
1.14E-31	-0.67433	3.18E-63	-0.10367	0.02507	-0.1191	0.00999	-0.1429	0.00196
5.05E-12	-0.44414	5.37E-24	-0.08495	0.06662	-0.05775	0.21289	-0.11806	0.01067
1.55E-25	-0.60701	2.38E-48	-0.08589	0.06365	-0.0589	0.20393	-0.24716	6.27E-08
6.87E-08	-0.26944	3.28E-09	-0.04666	0.31438	-0.088	0.0574	-0.21254	3.59E-06
4.30E-07	-0.26471	6.28E-09	-0.04054	0.38202	-0.19345	2.56E-05	-0.15398	0.00084
1.99E-11	-0.37133	1.03E-16	-0.10495	0.02332	-0.06545	0.15792	-0.21295	3.44E-06
1.36E-28	-0.59893	8.47E-47	-0.12254	0.00803	-0.14167	0.00215	-0.25653	1.88E-08
5.71E-06	-0.329	2.99E-13	-0.07273	0.11649	-0.01906	0.68118	-0.2142	3.00E-06

8.23E-09	-0.35386	3.19E-15	-0.04542	0.3274	-0.00567	0.90268	-0.09384	0.04268
6.84E-18	-0.52511	1.87E-34	-0.11438	0.01339	-0.11592	0.01218	-0.11623	0.01195
3.98E-16	-0.4983	1.12E-30	-0.09321	0.04408	-0.11114	0.01628	-0.2179	2.00E-06
9.65E-08	-0.3151	3.18E-12	-0.0978	0.03462	-0.01281	0.78241	0.000595	0.98976
1.17E-30	-0.66903	6.52E-62	-0.08623	0.06262	-0.10197	0.02756	-0.13543	0.00336
1.08E-11	-0.49807	1.20E-30	-0.13178	0.00434	-0.09205	0.0468	-0.12581	0.00648
6.35E-08	-0.2886	2.07E-10	0.110528	0.01687	-0.06431	0.1653	-0.06814	0.14146
0.01114	-0.19143	3.12E-05	-0.08705	0.06014	-0.10921	0.01824	-0.09579	0.03853
2.18E-16	-0.38443	6.77E-18	-0.08914	0.05424	-0.06425	0.16571	-0.31214	5.19E-12
5.32E-09	-0.39804	3.52E-19	-0.09465	0.0409	-0.06279	0.17556	-0.08623	0.06262
1.25E-08	-0.33844	5.60E-14	-0.18116	8.25E-05	-0.1106	0.0168	-0.13295	0.004
8.46E-19	-0.50336	2.29E-31	-0.14928	0.00121	-0.09344	0.04357	-0.23656	2.31E-07
0.18203	0.004966	0.91476	-0.05895	0.2035	0.002508	0.9569	-0.07246	0.11789
4.94E-13	-0.5048	1.45E-31	-0.12653	0.00618	-0.07945	0.08633	-0.15598	0.00072
9.54E-06	-0.36773	2.12E-16	-0.17385	0.00016	-0.20898	5.25E-06	-0.1621	0.00044
0.02558	-0.13185	0.00432	0.00363	0.93764	-0.04568	0.32463	0.089372	0.0536
0.16403	-0.24528	7.93E-08	0.04144	0.37159	0.013887	0.7647	-0.00565	0.90313
1.90E-13	-0.42997	1.95E-22	-0.08678	0.06096	-0.19143	3.12E-05	-0.14367	0.00186
0.003	-0.13141	0.00445	0.067963	0.14252	0.01272	0.78397	-0.15906	0.00056
7.67E-21	-0.55162	1.54E-38	-0.11784	0.01082	-0.06043	0.19237	-0.06436	0.16498
6.37E-28	-0.56837	2.62E-41	-0.02392	0.60617	-0.10441	0.02404	-0.12962	0.00502
5.88E-10	-0.37808	2.57E-17	-0.06453	0.16389	0.017618	0.70414	-0.11735	0.01115
4.61E-08	-0.38669	4.18E-18	-0.11852	0.01036	-0.08665	0.06133	-0.0244	0.59895
7.78E-20	-0.48425	7.90E-29	-0.07177	0.12144	-0.03767	0.41674	-0.13444	0.00361
0.20836	-0.17909	9.97E-05	-0.0445	0.3373	-0.07446	0.10805	-0.02934	0.5271
1.18E-29	-0.56697	4.51E-41	-0.08886	0.05499	-0.06309	0.1735	-0.0717	0.12177
8.14E-10	-0.3905	1.84E-18	-0.11993	0.00948	-0.0177	0.7028	-0.0035	0.93981
6.90E-26	-0.62006	5.95E-51	-0.07584	0.10166	-0.07663	0.09812	-0.03046	0.51143
2.15E-17	-0.43527	5.19E-23	-0.16425	0.00037	-0.07571	0.10225	-0.30833	9.63E-12
6.13E-17	-0.5569	2.15E-39	-0.1499	0.00116	-0.09948	0.0316	-0.13365	0.00381
0.00022	-0.41525	6.83E-21	-0.23438	3.01E-07	-0.2079	5.89E-06	-0.02604	0.57465
0.00061	-0.29767	5.20E-11	-0.04194	0.36588	-0.14264	0.002	-0.09476	0.04067
7.47E-10	-0.34601	1.40E-14	-0.07084	0.12632	-0.03641	0.43246	0.033511	0.47002
2.10E-08	-0.35816	1.40E-15	-0.13213	0.00423	-0.03641	0.43246	-0.03092	0.50509
6.15E-30	-0.64569	1.94E-56	-0.12178	0.00843	-0.10913	0.01832	-0.114	0.0137
4.05E-40	-0.67411	3.60E-63	-0.0993	0.03192	-0.1309	0.00461	-0.1778	0.00011
1.00E-16	-0.48719	3.29E-29	-0.05702	0.21875	-0.06966	0.1328	-0.18025	8.97E-05
1.68E-06	-0.36745	2.25E-16	-0.08956	0.0531	-0.11379	0.01387	0.004047	0.93049
5.84E-25	-0.52114	7.11E-34	-0.16334	0.00039	-0.04913	0.28937	-0.20489	8.07E-06
3.55E-16	-0.50889	3.95E-32	-0.11785	0.01081	-0.09894	0.03255	0.0429	0.35496
1.94E-18	-0.46771	9.30E-27	-0.03698	0.42527	-0.04204	0.36469	-0.26165	9.50E-09
3.09E-13	-0.47597	8.86E-28	-0.09142	0.04833	-0.08979	0.05248	-0.25279	3.05E-08
7.25E-17	-0.57617	1.18E-42	-0.12423	0.00719	-0.13025	0.00481	-0.13178	0.00434
6.10E-13	-0.53728	2.76E-36	-0.13626	0.00317	-0.15719	0.00065	-0.17711	0.00012
1.05E-15	-0.54431	2.25E-37	-0.08821	0.05679	-0.103	0.02602	-0.02633	0.57036

9.83E-09	-0.50577	1.07E-31	-0.17305	0.00017	-0.15921	0.00055	-0.15031	0.00112
1.67E-17	-0.50425	1.73E-31	-0.12547	0.00663	-0.05463	0.23866	-0.10574	0.0223
3.16E-24	-0.63316	1.08E-53	-0.10691	0.02084	-0.09675	0.03661	-0.06788	0.14304
1.19E-25	-0.62175	2.68E-51	-0.03855	0.40588	-0.0708	0.12654	-0.16448	0.00036
2.71E-09	-0.24092	1.36E-07	-0.0525	0.25751	-0.03993	0.38928	-0.25704	1.75E-08
7.18E-08	-0.38139	1.29E-17	-0.14643	0.00151	-0.03556	0.44323	-0.11585	0.01224
3.20E-16	-0.54757	6.86E-38	-0.20672	6.67E-06	-0.157	0.00066	-0.10265	0.02654
3.39E-11	-0.40971	2.49E-20	-0.06219	0.17973	-0.01174	0.80017	0.00727	0.87549
0.00029	-0.3933	1.00E-18	-0.07039	0.12879	-0.13994	0.00244	-0.05691	0.21962
8.04E-05	-0.29679	5.97E-11	0.035299	0.44665	-0.04306	0.35314	-0.08885	0.05503
8.17E-07	-0.29596	6.78E-11	-0.12986	0.00494	-0.05398	0.24435	-0.15374	0.00086
5.23E-18	-0.5511	1.88E-38	-0.15605	0.00071	-0.16664	0.0003	-0.09265	0.04537
0.01447	-0.21066	4.39E-06	-0.06339	0.17147	-0.07848	0.09027	-0.12747	0.00581
4.27E-05	-0.34897	8.06E-15	-0.09365	0.0431	-0.05601	0.22704	-0.06664	0.15048
2.47E-07	-0.39716	4.27E-19	-0.08229	0.07564	-0.03113	0.50223	-0.1812	8.22E-05
5.19E-05	-0.26039	1.12E-08	-0.04455	0.33671	-0.00141	0.97581	-0.09055	0.05051
1.64E-26	-0.49725	1.55E-30	-0.07552	0.10313	-0.00047	0.99184	-0.15968	0.00053
3.01E-12	-0.44414	5.38E-24	-0.09352	0.04339	-0.18212	7.55E-05	-0.16176	0.00045
9.63E-08	-0.30133	2.94E-11	-0.0408	0.37901	0.004509	0.92258	-0.16106	0.00048
5.58E-13	-0.42417	8.09E-22	-0.03996	0.3889	-0.01209	0.79434	-0.00655	0.8877
0.01073	-0.26803	3.99E-09	-0.08779	0.058	-0.01696	0.71467	-0.2006	1.25E-05
1.60E-11	-0.49177	8.28E-30	-0.12939	0.0051	-0.07512	0.10498	-0.11953	0.00973
3.34E-16	-0.39652	4.92E-19	-0.11151	0.01591	-0.09273	0.0452	-0.24504	8.17E-08
1.42E-10	-0.37021	1.29E-16	-0.09706	0.03601	-0.12092	0.0089	-0.20445	8.45E-06
7.00E-15	-0.42508	6.49E-22	-0.09591	0.03827	-0.08456	0.0679	-0.14094	0.00227
1.10E-34	-0.67717	6.12E-64	-0.11224	0.01523	-0.1368	0.00305	-0.24827	5.45E-08
1.27E-07	-0.33983	4.35E-14	-0.03993	0.38934	-0.02416	0.6025	-0.06027	0.19358
9.14E-32	-0.62183	2.58E-51	-0.06943	0.13409	-0.11611	0.01204	-0.0539	0.245
2.13E-15	-0.40226	1.37E-19	-0.08816	0.05693	-0.06993	0.13132	-0.29153	1.33E-10
1.31E-13	-0.50142	4.22E-31	-0.1609	0.00048	-0.1764	0.00013	-0.06362	0.16992
6.19E-10	-0.44198	9.40E-24	-0.08624	0.06258	-0.06415	0.16635	-0.17198	0.00019
6.92E-15	-0.49906	8.82E-31	-0.11513	0.01279	-0.11768	0.01092	-0.19237	2.85E-05
7.57E-37	-0.67437	3.11E-63	-0.12889	0.00528	-0.10654	0.02129	-0.15406	0.00084
4.39E-33	-0.65745	3.92E-59	-0.13531	0.00339	-0.08796	0.05751	-0.16316	0.0004
3.60E-08	-0.26771	4.17E-09	0.009656	0.83515	-0.10697	0.02077	-0.11662	0.01167
2.39E-24	-0.54318	3.38E-37	-0.03432	0.45935	-0.10761	0.02002	-0.14253	0.00202
1.73E-15	-0.53247	1.49E-35	-0.13719	0.00297	-0.12137	0.00865	-0.08288	0.07356
2.42E-27	-0.61043	5.07E-49	-0.11391	0.01378	-0.11648	0.01177	-0.11012	0.01728
2.41E-10	-0.34813	9.44E-15	-0.08728	0.05948	-0.07261	0.1171	-0.20535	7.70E-06
4.22E-07	-0.26364	7.27E-09	-0.067	0.14827	-0.0678	0.14351	-0.00919	0.84292
1.16E-07	-0.41842	3.23E-21	-0.19501	2.20E-05	-0.12568	0.00654	-0.12363	0.00748
1.74E-19	-0.638	9.75E-55	-0.10553	0.02256	-0.06953	0.13355	-0.20394	8.90E-06
4.83E-12	-0.42414	8.16E-22	-0.09138	0.04844	-0.09089	0.04965	-0.03212	0.48864
3.00E-12	-0.50207	3.44E-31	-0.10347	0.02535	-0.08759	0.05856	-0.09297	0.04463
5.58E-05	-0.38613	4.71E-18	-0.12463	0.007	-0.10345	0.02537	-0.04642	0.31681

1.84E-11	-0.50298	2.58E-31	-0.0976	0.03498	-0.05583	0.2285	-0.04356	0.34755
4.60E-17	-0.44131	1.12E-23	-0.09204	0.04682	-0.09229	0.04622	-0.20971	4.86E-06
9.47E-12	-0.44861	1.67E-24	-0.04642	0.31684	-0.09585	0.0384	-0.18851	4.14E-05
3.95E-20	-0.41449	8.17E-21	-0.15439	0.00082	-0.06835	0.14024	-0.19824	1.59E-05
2.46E-13	-0.32095	1.19E-12	-0.03858	0.40554	-0.07126	0.12412	-0.10975	0.01767
7.10E-25	-0.61499	6.29E-50	-0.11018	0.01723	-0.056	0.22706	-0.10598	0.02199
0.09981	-0.15201	0.00098	-0.05672	0.22118	-0.00237	0.95932	-0.06033	0.19314
2.99E-05	-0.23943	1.64E-07	-0.06324	0.17244	-0.01347	0.7716	-0.04216	0.36331
2.80E-13	-0.31813	1.92E-12	-0.14738	0.0014	-0.05662	0.222	-0.04768	0.30387
7.23E-14	-0.47552	1.01E-27	-0.10484	0.02347	-0.10604	0.02192	-0.23536	2.68E-07
2.49E-23	-0.55438	5.55E-39	-0.15657	0.00069	-0.22555	8.45E-07	-0.28207	5.45E-10
8.47E-12	-0.53572	4.80E-36	-0.08973	0.05265	-0.10871	0.01878	-0.13462	0.00356
5.39E-07	-0.22635	7.70E-07	-0.06671	0.15003	0.01125	0.80841	0.01022	0.82566
1.35E-05	-0.31579	2.84E-12	0.051763	0.26427	0.02003	0.66594	-0.05276	0.25514
3.02E-15	-0.42735	3.72E-22	-0.12011	0.00937	-0.05032	0.27783	-0.0924	0.04597
3.74E-29	-0.54623	1.12E-37	-0.13538	0.00338	-0.09085	0.04976	-0.25305	2.95E-08
1.17E-19	-0.44164	1.03E-23	-0.13225	0.0042	-0.10747	0.02019	-0.24632	6.97E-08
2.06E-29	-0.66285	2.05E-60	-0.09929	0.03193	-0.21537	2.64E-06	-0.21943	1.69E-06
5.52E-07	-0.3617	7.01E-16	-0.12567	0.00654	-0.06031	0.19326	-0.15118	0.00105
0.59533	0.030704	0.50804	0.188395	4.18E-05	0.187386	4.61E-05	0.229651	5.26E-07
0.24955	0.213025	3.41E-06	0.146064	0.00155	0.243859	9.48E-08	0.137527	0.0029
0.56914	0.045646	0.32498	0.196164	1.96E-05	0.151952	0.00099	0.25208	3.35E-08
0.77531	0.049345	0.28726	0.116964	0.01142	0.206372	6.92E-06	0.04262	0.35811
0.94635	0.013358	0.77343	0.133177	0.00394	0.151235	0.00104	0.123327	0.00763
0.31105	-0.0225	0.62766	0.137786	0.00285	0.166339	0.00031	0.055775	0.22897
0.6313	0.03127	0.50024	0.215706	2.55E-06	0.129863	0.00494	0.060815	0.18955
0.45572	0.00451	0.92257	0.191516	3.10E-05	0.149612	0.00118	0.171993	0.00019
0.75488	0.050385	0.27721	0.170243	0.00022	0.172154	0.00019	0.141589	0.00216
0.77038	0.015805	0.73336	0.187901	4.39E-05	0.203289	9.53E-06	0.160172	0.00051
0.00057	-0.15479	0.00079	0.13038	0.00477	0.123103	0.00774	-0.04421	0.34043
0.00017	0.256669	1.84E-08	0.209929	4.75E-06	0.209572	4.93E-06	0.301447	2.89E-11
0.34269	-0.00153	0.97376	0.17148	0.0002	0.141867	0.00212	0.058155	0.20968
0.66958	0.048445	0.29615	0.168644	0.00025	0.157537	0.00063	0.251067	3.81E-08
0.32033	-0.01282	0.78224	0.193669	2.51E-05	0.239739	1.57E-07	0.156731	0.00068
0.63562	-0.00564	0.90328	0.184904	5.82E-05	0.196235	1.95E-05	0.16951	0.00023
0.13962	0.046273	0.31836	0.155785	0.00073	0.165941	0.00032	0.113832	0.01384
0.56478	0.003757	0.93546	0.201467	1.15E-05	0.213621	3.19E-06	0.175122	0.00014
0.00755	-0.08991	0.05217	0.119307	0.00986	0.249064	4.92E-08	0.234389	3.00E-07
0.01065	-0.05642	0.22366	0.164838	0.00035	0.232851	3.61E-07	0.051715	0.26471
0.67741	0.012754	0.7834	0.197769	1.67E-05	0.191551	3.09E-05	0.168339	0.00026
0.65346	0.022324	0.63038	0.192248	2.88E-05	0.205341	7.70E-06	0.248225	5.48E-08
0.06719	-0.04422	0.34037	0.101038	0.02902	0.095299	0.03953	0.125838	0.00647
0.07527	-0.05777	0.21276	0.181647	7.89E-05	0.20345	9.37E-06	0.12233	0.00813
0.45661	0.011417	0.80563	0.169745	0.00023	0.105659	0.0224	0.118742	0.01022
0.18945	0.026475	0.56821	0.289017	1.95E-10	0.086376	0.06217	0.118316	0.0105

0.02662	0.176824	0.00012	0.146602	0.00149	0.14448	0.00175	0.034	0.46357
0.44373	-0.02324	0.61642	0.079443	0.08637	0.137253	0.00296	0.077325	0.09511
0.01616	-0.13151	0.00442	0.088052	0.05725	0.113937	0.01375	0.046794	0.31294
0.78457	0.063601	0.17002	0.181195	8.22E-05	0.317819	2.02E-12	0.163492	0.00039
0.40884	0.05493	0.23611	0.18376	6.48E-05	0.251498	3.61E-08	0.209815	4.81E-06
0.08782	-0.05013	0.27964	0.197675	1.69E-05	0.160597	0.00049	0.091489	0.04816
0.00035	0.236654	2.29E-07	0.225402	8.59E-07	0.243414	1.00E-07	0.352162	4.42E-15
0.11997	0.056187	0.22554	0.175623	0.00014	0.151299	0.00104	0.155404	0.00075
2.38E-07	-0.22562	8.38E-07	0.091899	0.04716	0.081971	0.07679	0.030879	0.50561
0.51856	0.109325	0.01811	0.238516	1.83E-07	0.108282	0.01925	0.072421	0.11808
0.79113	0.014474	0.75507	0.098912	0.0326	0.106237	0.02167	0.163668	0.00038
0.08338	-0.01435	0.75714	0.161356	0.00046	0.204217	8.65E-06	0.061327	0.18584
0.36592	0.107829	0.01977	0.161995	0.00044	0.115603	0.01242	0.172069	0.00019
0.85004	0.029495	0.52489	0.175775	0.00013	0.155101	0.00077	0.100481	0.02992
0.13962	-0.04995	0.28142	0.17203	0.00019	0.175383	0.00014	0.121525	0.00857
0.22588	-0.02295	0.62089	0.192481	2.82E-05	0.23739	2.10E-07	0.131822	0.00432
0.35088	0.109297	0.01814	0.349973	6.68E-15	0.185247	5.64E-05	0.169006	0.00024
0.20902	0.230277	4.89E-07	0.139575	0.0025	0.175495	0.00014	0.045092	0.33089
0.81287	-0.01071	0.81748	0.180212	9.00E-05	0.170967	0.00021	0.150297	0.00112
0.7652	0.08936	0.05363	0.158417	0.00059	0.183642	6.55E-05	0.22833	6.13E-07
0.61562	-0.00615	0.89451	0.181268	8.17E-05	0.173121	0.00017	0.154893	0.00078
0.58801	0.002322	0.96009	0.142349	0.00204	0.141722	0.00214	0.090077	0.05174
0.51732	-0.04334	0.34999	0.10679	0.02099	0.11078	0.01662	0.109168	0.01828
0.3842	0.026691	0.56506	0.176751	0.00012	0.211606	3.97E-06	0.226966	7.18E-07
0.63339	0.007005	0.87999	0.19502	2.20E-05	0.185747	5.38E-05	0.203214	9.60E-06
0.87995	0.092872	0.04486	0.163395	0.00039	0.259099	1.34E-08	0.040055	0.3878
0.76322	0.034599	0.45572	0.198885	1.49E-05	0.263818	7.09E-09	0.172113	0.00019
0.78533	0.07465	0.10715	0.10334	0.02554	0.166719	0.0003	0.096838	0.03644
0.00063	-0.1224	0.0081	0.135244	0.00341	0.135699	0.0033	0.077113	0.09603
0.07952	-0.00146	0.97485	0.117183	0.01127	0.05955	0.19894	0.075119	0.10496
0.04957	-0.01413	0.76078	0.228902	5.74E-07	0.108194	0.01935	0.231935	4.02E-07
0.59231	0.081641	0.07799	0.123969	0.00731	0.098237	0.03381	0.095742	0.03862
0.69774	0.025107	0.58837	0.182566	7.24E-05	0.204613	8.31E-06	0.183124	6.88E-05
0.0614	0.105964	0.02201	0.166938	0.00029	0.226471	7.60E-07	0.259995	1.19E-08
0.24767	-0.04115	0.37496	0.175091	0.00014	0.134272	0.00365	0.12384	0.00738
0.17934	0.135905	0.00325	0.158977	0.00056	0.240878	1.37E-07	0.260048	1.18E-08
0.81846	0.011847	0.79846	0.115874	0.01222	0.097311	0.03553	0.156466	0.00069
0.35875	0.104835	0.02347	0.178819	0.0001	0.252328	3.24E-08	0.17609	0.00013
0.13019	0.154101	0.00083	0.185393	5.56E-05	0.211922	3.84E-06	0.196406	1.91E-05
0.08374	0.159287	0.00055	0.152996	0.00091	0.157775	0.00062	0.164369	0.00036
0.42804	0.101991	0.02753	0.183972	6.36E-05	0.175075	0.00014	0.311295	5.95E-12
0.85051	-0.01563	0.73627	0.480093	2.68E-28	0.173279	0.00017	0.080814	0.08106
0.24668	-0.02326	0.61612	0.112788	0.01474	0.14036	0.00236	0.117963	0.01073
0.95286	0.006019	0.89678	0.123929	0.00733	0.129434	0.00509	0.059332	0.20059
0.21999	-0.04611	0.32007	0.171898	0.00019	0.151463	0.00103	0.160548	0.0005



0.31765	0.060967	0.18844	0.580635	1.92E-43	0.117286	0.0112	0.092893	0.04481
0.13378	-0.05444	0.24029	0.182647	7.19E-05	0.220954	1.42E-06	0.101633	0.02808
0.33619	-0.02495	0.59065	0.156353	0.0007	0.149242	0.00122	0.106858	0.02091
0.9135	0.027826	0.54862	0.165204	0.00034	0.150164	0.00113	0.024789	0.5931
0.13401	0.087719	0.0582	0.191505	3.10E-05	0.164677	0.00035	0.151107	0.00105
9.51E-05	-0.18521	5.66E-05	0.073901	0.11073	0.062145	0.18003	0.08334	0.07197
0.07414	-0.04753	0.30537	0.166114	0.00031	0.197625	1.69E-05	0.132395	0.00416
0.98283	-0.0072	0.87665	0.091771	0.04747	0.076091	0.10052	0.04659	0.31506
0.17393	-0.03668	0.42901	0.18654	4.99E-05	0.166147	0.00031	0.101059	0.02899
0.03231	0.191425	3.12E-05	0.189125	3.90E-05	0.298304	4.72E-11	0.068991	0.13657
0.42725	0.027982	0.54639	0.339879	4.32E-14	0.187364	4.62E-05	0.092971	0.04463
0.0757	0.144798	0.00171	0.209009	5.24E-06	0.242146	1.17E-07	0.352587	4.07E-15
0.18265	-0.00408	0.93001	0.144521	0.00174	0.146527	0.0015	0.010097	0.82773
0.3657	-0.01131	0.80737	0.181162	8.25E-05	0.199788	1.36E-05	0.139764	0.00247
0.01011	-0.14175	0.00214	0.091484	0.04817	0.108791	0.01869	0.060952	0.18855
0.18774	-0.0381	0.41143	0.142301	0.00205	0.117944	0.01075	0.03854	0.40601
0.02822	-0.10578	0.02224	0.089095	0.05435	0.083521	0.07135	0.108888	0.01858
0.2934	-0.00846	0.85524	0.189089	3.91E-05	0.201568	1.14E-05	0.135699	0.0033
0.0031	-0.09627	0.03756	0.097849	0.03452	0.301802	2.73E-11	0.042255	0.36225
0.12601	-0.00772	0.86779	0.111487	0.01594	0.080585	0.08193	0.056222	0.22525
0.75764	0.091238	0.04878	0.16688	0.00029	0.152544	0.00094	0.132583	0.0041
0.10225	-0.09754	0.0351	0.157059	0.00066	0.086413	0.06206	0.088805	0.05514
0.02706	-0.10163	0.02809	0.136867	0.00304	0.123648	0.00747	0.086112	0.06298
0.72908	0.137732	0.00286	0.253393	2.82E-08	0.140335	0.00237	0.216477	2.34E-06
0.05607	-0.07912	0.08766	0.093038	0.04448	0.071725	0.12167	-0.05633	0.22432
0.74209	0.07464	0.1072	0.167858	0.00027	0.130469	0.00474	-0.02313	0.61814
0.36427	-0.0377	0.41628	0.666039	3.50E-61	0.138127	0.00278	0.081021	0.08028
0.8838	0.028185	0.54347	0.182634	7.20E-05	0.188693	4.07E-05	0.169965	0.00022
0.00096	0.200989	1.21E-05	0.169022	0.00024	0.122672	0.00796	0.212608	3.56E-06
0.51462	0.112311	0.01517	0.271578	2.44E-09	0.248453	5.32E-08	0.183361	6.73E-05
0.07253	0.152043	0.00098	0.163793	0.00038	0.154362	0.00082	0.14468	0.00172
0.0047	0.238625	1.80E-07	0.142346	0.00205	0.139645	0.00249	0.249134	4.88E-08
0.81558	0.024208	0.6018	0.136083	0.00321	0.229385	5.42E-07	0.085323	0.06544
0.95915	0.024051	0.60415	0.278141	9.62E-10	0.151234	0.00104	0.224392	9.64E-07
0.15818	-0.0378	0.41512	0.181866	7.73E-05	0.209636	4.90E-06	0.117011	0.01139
0.20045	-0.04171	0.36846	0.142165	0.00207	0.210018	4.71E-06	0.074149	0.10953
0.3849	-0.00944	0.83881	0.19502	2.20E-05	0.093187	0.04414	0.053939	0.24468
0.01997	-0.09268	0.04532	0.156562	0.00069	0.142894	0.00196	0.085354	0.06534
0.59111	-0.00703	0.87954	0.255948	2.02E-08	0.105143	0.02306	0.124403	0.00711
0.83589	0.019047	0.68141	0.098931	0.03256	0.071981	0.12034	0.047987	0.30075
8.17E-05	-0.11283	0.0147	0.094032	0.04224	0.073056	0.11488	0.188625	4.09E-05
0.21277	0.138045	0.00279	0.17796	0.00011	0.223419	1.08E-06	0.33726	6.93E-14
0.01108	-0.07745	0.09458	0.165687	0.00032	0.168654	0.00025	0.137245	0.00296
0.40701	0.0069	0.88177	0.160938	0.00048	0.173341	0.00017	0.094322	0.04161
0.73019	-0.00459	0.92119	0.134537	0.00358	0.154392	0.00082	0.138318	0.00274

0.22448	0.054963	0.23583	0.166023	0.00031	0.175098	0.00014	0.220283	1.53E-06
0.18552	0.023834	0.60742	0.102827	0.02628	0.105367	0.02277	0.097395	0.03537
0.2827	0.054534	0.23951	0.072825	0.11604	0.049818	0.28267	0.08955	0.05313
0.73238	0.107736	0.01987	0.184087	6.29E-05	0.178729	0.0001	0.000781	0.98657
0.99718	0.071832	0.1211	0.102631	0.02657	0.196814	1.84E-05	0.008196	0.85978
0.5073	0.000886	0.98476	0.285362	3.36E-10	0.0779	0.09267	0.078316	0.09093
0.80136	0.023901	0.60641	0.098337	0.03363	0.090787	0.04991	0.055292	0.23304
0.377	-0.02954	0.52422	0.11218	0.01529	0.048118	0.29943	0.072554	0.1174
2.29E-08	-0.3144	3.57E-12	0.013004	0.77926	-0.02556	0.58159	-0.02511	0.58829
0.39181	0.140325	0.00237	0.164444	0.00036	0.215554	2.59E-06	0.175629	0.00014
0.45964	-0.02435	0.59964	0.190692	3.35E-05	0.199645	1.38E-05	0.161608	0.00045
0.855	0.033975	0.4639	0.146251	0.00153	0.197211	1.77E-05	0.11468	0.01315
0.54912	-0.0021	0.96386	0.170937	0.00021	0.211584	3.98E-06	0.117156	0.01129
0.73209	0.048825	0.29238	0.220361	1.52E-06	0.219512	1.67E-06	0.225362	8.63E-07
0.71905	-0.05144	0.26726	0.11793	0.01076	0.112428	0.01507	0.055882	0.22808
0.26202	0.06731	0.14641	0.188512	4.14E-05	0.201284	1.17E-05	0.208856	5.32E-06
0.65005	-0.01422	0.75931	0.129345	0.00512	0.156663	0.00068	0.119916	0.00949
0.00017	0.326401	4.70E-13	0.153737	0.00086	0.132771	0.00405	0.27556	1.39E-09
0.8241	0.083299	0.07211	0.262371	8.62E-09	0.214324	2.96E-06	0.139427	0.00253
0.31307	0.083621	0.07101	0.126383	0.00624	0.160261	0.00051	0.1305	0.00473
0.04714	0.057943	0.21136	0.137764	0.00285	0.05459	0.23903	0.037369	0.42044
0.0451	-0.06717	0.14724	0.144686	0.00172	0.134529	0.00358	0.066617	0.15062
0.08734	-0.05775	0.21292	0.055302	0.23295	0.101605	0.02813	0.051269	0.26886
0.37913	0.166901	0.00029	0.145535	0.00161	0.145348	0.00164	0.238475	1.84E-07
0.00085	0.210904	4.28E-06	0.176317	0.00013	0.17872	0.0001	0.318308	1.86E-12
0.2036	0.03353	0.46978	0.142907	0.00196	0.180944	8.42E-05	0.156785	0.00067
0.27987	-0.03099	0.50406	0.16678	0.00029	0.145728	0.00159	0.061662	0.18344
0.55182	0.010615	0.81903	0.114504	0.01329	0.112128	0.01534	0.134703	0.00354
0.80656	0.101176	0.0288	0.225635	8.37E-07	0.138949	0.00262	0.152348	0.00096
0.01809	-0.09898	0.03248	0.090236	0.05132	0.060537	0.19158	0.055174	0.23403
0.00567	0.178338	0.00011	0.200925	1.21E-05	0.226864	7.26E-07	0.326744	4.43E-13
0.01655	-0.18318	6.85E-05	0.100907	0.02923	0.09105	0.04925	0.072806	0.11613
0.42593	0.051767	0.26423	0.203365	9.45E-06	0.216032	2.46E-06	0.206288	6.98E-06
0.81952	0.003126	0.94629	0.155876	0.00072	0.161802	0.00045	0.109316	0.01812
0.84862	0.032068	0.48937	0.185894	5.31E-05	0.201487	1.15E-05	0.251563	3.58E-08
0.01121	0.171377	0.0002	0.124954	0.00686	0.15713	0.00066	0.328639	3.19E-13
0.01193	-0.06937	0.13442	0.077052	0.09629	0.046449	0.31652	0.018458	0.69075
0.02455	-0.1391	0.00259	0.073577	0.11231	0.012898	0.78103	0.054098	0.24329
0.89347	0.014364	0.75688	0.188047	4.33E-05	0.268966	3.51E-09	0.176157	0.00013
0.48511	0.096021	0.03806	0.18627	5.12E-05	0.208216	5.70E-06	0.198964	1.48E-05
0.08394	-0.07558	0.10283	0.166759	0.0003	0.159384	0.00055	0.069194	0.13542
0.10994	0.092802	0.04502	0.093771	0.04282	0.223835	1.03E-06	0.162301	0.00043
0.09966	0.137901	0.00282	0.194034	2.42E-05	0.195881	2.02E-05	0.342706	2.58E-14
0.63285	-0.02093	0.65182	0.131514	0.00442	0.165559	0.00033	0.089174	0.05414
0.00861	0.125894	0.00645	0.14099	0.00226	0.173933	0.00016	0.095998	0.0381

0.50696	0.104006	0.0246	0.11416	0.01357	0.224707	9.30E-07	0.10146	0.02835
0.91821	0.051807	0.26386	0.225593	8.41E-07	0.169728	0.00023	0.163882	0.00038
0.22264	-0.04405	0.34217	0.148684	0.00127	0.165044	0.00034	0.125261	0.00672
0.00012	-0.16164	0.00045	0.113898	0.01379	0.059868	0.19655	0.061828	0.18227
0.0023	-0.14177	0.00213	0.062776	0.17564	0.06193	0.18154	0.012465	0.7882
0.12669	0.016527	0.72168	0.165704	0.00032	0.15737	0.00064	0.154773	0.00079
0.06756	-0.05272	0.25554	0.240184	1.49E-07	0.202955	9.86E-06	0.115001	0.01289
0.22085	0.153375	0.00088	0.102941	0.02611	0.072164	0.11939	0.102891	0.02619
0.82836	0.021575	0.6419	0.11273	0.01479	0.127133	0.00594	0.077145	0.09589
0.15688	-0.03378	0.46644	0.15696	0.00066	0.172882	0.00017	0.110721	0.01668
0.44026	0.125976	0.00641	0.143244	0.00191	0.183851	6.43E-05	0.09417	0.04194
0.43843	0.045004	0.33183	0.122055	0.00828	0.181162	8.25E-05	0.079893	0.08459
0.74948	0.052358	0.25881	0.145374	0.00163	0.167069	0.00029	0.126201	0.00632
0.03788	-0.07696	0.09669	0.169859	0.00023	0.182353	7.39E-05	0.101242	0.0287
0.38207	0.052563	0.25694	0.076037	0.10077	0.126048	0.00638	0.053825	0.24568
0.32299	-0.02119	0.64778	0.175011	0.00014	0.200311	1.29E-05	0.108843	0.01863
0.21313	0.07492	0.10588	0.157424	0.00064	0.163807	0.00038	0.189939	3.61E-05
0.04741	-0.07432	0.10873	0.167702	0.00027	0.148261	0.00131	0.126081	0.00637
0.19785	0.142078	0.00209	0.235431	2.65E-07	0.197221	1.76E-05	0.202008	1.09E-05
0.01609	-0.06628	0.15272	0.131837	0.00432	0.130432	0.00476	0.040205	0.38601
0.10531	-0.03888	0.40185	0.178552	0.0001	0.192849	2.72E-05	0.143932	0.00182
0.0086	-0.09375	0.04287	0.152222	0.00097	0.162405	0.00043	0.07434	0.10862
0.09545	0.06517	0.15971	0.091436	0.04829	0.085802	0.06393	0.167917	0.00027
0.91178	-0.0066	0.88689	0.188481	4.15E-05	0.139665	0.00249	0.182765	7.11E-05
0.00037	-0.12992	0.00492	0.129647	0.00502	0.120567	0.00911	0.064853	0.16175
0.35641	0.107399	0.02026	0.206533	6.80E-06	0.232582	3.72E-07	0.194676	2.27E-05
0.5166	0.035396	0.44541	0.196341	1.93E-05	0.203265	9.55E-06	0.160494	0.0005
0.02212	0.133246	0.00392	0.201145	1.19E-05	0.18605	5.23E-05	0.336101	8.53E-14
0.95178	0.112175	0.0153	0.138647	0.00268	0.11239	0.0151	-0.01056	0.81998
8.29E-05	0.250971	3.86E-08	0.190412	3.45E-05	0.091594	0.0479	0.241209	1.32E-07
0.15858	-0.10868	0.01881	0.077945	0.09248	0.09365	0.04309	0.143583	0.00187
0.00131	-0.08436	0.06856	0.153845	0.00085	0.227016	7.14E-07	-0.07874	0.08921
0.25982	0.004787	0.91783	0.16409	0.00037	0.2018	1.11E-05	0.152419	0.00095
0.08306	-0.03603	0.43723	0.171923	0.00019	0.168072	0.00026	0.110295	0.01711
0.18151	-0.06917	0.13554	0.137972	0.00281	0.093719	0.04294	0.034209	0.46083
0.03171	0.128959	0.00525	0.145211	0.00165	0.129991	0.0049	0.254128	2.57E-08
0.13628	0.106167	0.02175	0.088544	0.05587	0.149382	0.0012	0.263456	7.45E-09
0.64438	0.082987	0.07319	0.087325	0.05934	0.181502	7.99E-05	0.095735	0.03863
0.48702	0.037297	0.42133	0.121387	0.00864	0.147499	0.00139	0.106143	0.02178
0.51498	0.102852	0.02624	0.154128	0.00083	0.131039	0.00456	0.088232	0.05674
0.0164	0.19719	1.77E-05	0.156157	0.00071	0.327028	4.22E-13	0.205665	7.45E-06
0.50007	-0.01889	0.68383	0.179795	9.35E-05	0.143581	0.00187	0.176892	0.00012
0.80486	-0.00134	0.97689	0.163356	0.00039	0.290229	1.62E-10	0.147218	0.00142
0.07586	0.277175	1.10E-09	0.139029	0.0026	0.185078	5.73E-05	0.133896	0.00375
0.98216	-0.0133	0.77433	0.073225	0.11404	0.179905	9.26E-05	0.039776	0.39111

0.51986	-0.0294	0.5262	0.152152	0.00097	0.203714	9.12E-06	0.135403	0.00337
0.35162	-0.01825	0.69406	0.067705	0.14405	0.158667	0.00058	0.049634	0.28444
0.01894	-0.09937	0.0318	0.13939	0.00254	0.172987	0.00017	0.10974	0.01768
0.02855	0.128346	0.00548	0.353703	3.29E-15	0.147142	0.00143	0.196848	1.83E-05
0.14574	-0.03489	0.45196	0.184626	5.98E-05	0.179396	9.70E-05	0.072649	0.11692
0.36597	-0.02371	0.6093	0.199796	1.36E-05	0.199469	1.41E-05	0.143433	0.00189
0.00018	-0.11604	0.01209	0.185654	5.43E-05	0.12913	0.00519	0.065935	0.15485
3.51E-05	0.166082	0.00031	0.053463	0.24888	0.04473	0.33479	0.150677	0.00109
0.30884	0.106277	0.02162	0.144796	0.00171	0.12261	0.00799	0.183646	6.55E-05
0.35136	-0.0065	0.88851	0.181262	8.17E-05	0.148704	0.00127	0.041099	0.37553
0.06455	0.162311	0.00043	0.285211	3.43E-10	0.239517	1.62E-07	0.181094	8.30E-05
0.79563	0.109282	0.01816	0.103847	0.02482	0.236278	2.40E-07	0.084453	0.06824
0.01663	-0.09542	0.03929	0.151231	0.00104	0.146721	0.00148	0.060999	0.18821
0.80017	0.002908	0.95002	0.181578	7.94E-05	0.188051	4.32E-05	0.190848	3.30E-05
0.29656	-0.04532	0.32841	0.165638	0.00032	0.17539	0.00014	0.110164	0.01724
0.32365	0.052675	0.25593	0.188375	4.19E-05	0.148326	0.00131	0.027445	0.55411
0.09932	-0.06721	0.14703	0.142277	0.00206	0.124795	0.00693	0.004414	0.92422
0.02951	-0.06686	0.14913	0.144526	0.00174	0.076966	0.09666	0.030406	0.51217
0.0117	-0.11384	0.01383	0.15288	0.00092	0.124973	0.00685	0.044464	0.33768
0.02382	-0.07954	0.08598	0.172414	0.00018	0.153431	0.00088	0.088006	0.05738
0.02636	-0.072	0.12021	0.164414	0.00036	0.15119	0.00105	0.090985	0.04941
0.36213	-0.02263	0.62565	0.154642	0.0008	0.223152	1.11E-06	0.111631	0.0158
0.17695	-0.04968	0.28403	0.154749	0.00079	0.154742	0.00079	0.067392	0.14592
0.35217	-0.03107	0.50298	0.178379	0.00011	0.144164	0.00179	0.131201	0.00451
0.06847	-0.07777	0.09321	0.143854	0.00183	0.15077	0.00108	0.081443	0.07871
0.03504	-0.09757	0.03504	0.132244	0.0042	0.150246	0.00113	0.048887	0.29176
0.99774	0.01814	0.69581	0.192487	2.82E-05	0.237186	2.15E-07	0.172483	0.00018
0.39336	0.001191	0.97952	0.104683	0.02367	0.091475	0.0482	0.094684	0.04083
0.23155	-0.05767	0.2135	0.08012	0.08371	0.085752	0.06409	0.032857	0.47873
0.29931	-0.02444	0.59825	0.193908	2.45E-05	0.198699	1.52E-05	0.139088	0.00259
0.75879	0.025598	0.5811	0.176342	0.00013	0.194766	2.25E-05	0.134709	0.00354
0.48039	0.046119	0.31998	0.161627	0.00045	0.152791	0.00092	0.161404	0.00046
0.201	-0.02944	0.52568	0.168382	0.00026	0.115703	0.01235	0.014083	0.76148
0.03823	-0.08421	0.06905	0.131742	0.00435	0.099144	0.03219	0.092605	0.04548
0.28777	-0.04795	0.30115	0.16316	0.0004	0.161912	0.00044	0.082424	0.07517
0.26435	-0.046	0.32126	0.173743	0.00016	0.159851	0.00053	0.123453	0.00756
0.0105	-0.08879	0.05519	0.136826	0.00305	0.10885	0.01862	0.055035	0.23522
0.22432	-0.00913	0.84406	0.182355	7.39E-05	0.178171	0.00011	0.22967	5.24E-07
0.24248	0.030278	0.51394	0.093701	0.04298	0.064957	0.16108	0.065558	0.15723
0.1241	-0.08005	0.084	0.104453	0.02398	0.080185	0.08346	0.005076	0.91288
0.94903	0.003985	0.93156	0.059203	0.20157	0.084801	0.06711	0.017403	0.70758
0.77861	0.034132	0.46183	0.369132	1.60E-16	0.205827	7.32E-06	0.187394	4.60E-05
0.0241	-0.06448	0.16415	0.073904	0.11072	0.069722	0.13246	0.019411	0.67566
0.92794	0.033162	0.47466	0.126098	0.00636	0.126748	0.00609	0.152521	0.00094
0.08777	-0.06603	0.15428	0.098184	0.0339	0.076468	0.09885	0.101975	0.02756

0.37295	0.030856	0.50594	0.163064	0.0004	0.044466	0.33765	0.06833	0.14037
0.99238	0.014586	0.75323	0.171036	0.0002	0.186515	5.00E-05	0.199757	1.37E-05
0.53341	0.017377	0.708	0.147046	0.00144	0.174882	0.00015	0.245816	7.42E-08
0.34976	0.137785	0.00285	0.202658	1.02E-05	0.113161	0.01442	0.217029	2.20E-06
0.33931	-0.05521	0.23369	0.157742	0.00062	0.168571	0.00025	0.150818	0.00108
0.46277	-0.02353	0.61199	0.186456	5.03E-05	0.185219	5.65E-05	0.116007	0.01212
0.12827	0.046204	0.31909	0.160771	0.00049	0.159978	0.00052	0.153073	0.0009
0.16332	-0.01961	0.67249	0.18757	4.53E-05	0.138536	0.0027	0.07835	0.0908
0.0583	-0.04699	0.31088	0.153083	0.0009	0.059437	0.1998	0.052747	0.25529
0.10254	-0.05474	0.23774	0.153502	0.00087	0.191736	3.03E-05	0.094295	0.04167
0.31541	-0.06488	0.16155	0.138295	0.00274	0.144206	0.00178	0.126626	0.00614
0.29599	0.081006	0.08034	0.197054	1.79E-05	0.19138	3.14E-05	0.209997	4.72E-06
0.0783	0.111417	0.01601	0.156459	0.00069	0.154116	0.00083	0.270353	2.89E-09
0.65911	0.034802	0.45308	0.200148	1.31E-05	0.204261	8.62E-06	0.155255	0.00076
0.19776	0.103966	0.02465	0.190527	3.41E-05	0.230002	5.05E-07	0.201891	1.10E-05
0.00046	-0.13583	0.00327	0.186677	4.93E-05	0.138027	0.0028	0.11085	0.01655
0.21437	-0.08001	0.08412	0.079016	0.08807	0.085644	0.06443	0.077507	0.09433
0.43103	0.060349	0.19297	0.205976	7.21E-06	0.12852	0.00541	0.062009	0.18098
0.80498	0.052524	0.2573	0.209208	5.13E-06	0.16138	0.00046	0.048857	0.29206
0.42016	0.006791	0.88363	0.158728	0.00058	0.149697	0.00118	0.073926	0.11061
0.07512	-0.03215	0.48822	0.127023	0.00598	0.11191	0.01554	0.037809	0.41498
0.65022	0.130875	0.00461	0.144707	0.00172	0.060332	0.1931	-0.02603	0.57467
0.03074	0.159065	0.00056	0.161599	0.00046	0.140765	0.0023	0.170687	0.00021
0.03441	-0.05459	0.23902	0.160054	0.00052	0.154914	0.00078	0.05126	0.26895
0.58587	0.030896	0.50539	0.201661	1.13E-05	0.191869	2.99E-05	0.218481	1.87E-06
0.34403	0.022421	0.62889	0.117116	0.01131	0.079404	0.08652	0.081987	0.07673
0.26941	-0.04429	0.33958	0.194556	2.30E-05	0.190487	3.42E-05	0.140082	0.00241
0.50319	0.073147	0.11443	0.159721	0.00053	0.0767	0.09783	0.100798	0.02941
0.56434	0.006829	0.883	0.147432	0.0014	0.181743	7.82E-05	0.111308	0.01611
0.83369	0.029414	0.52603	0.168676	0.00025	0.179771	9.37E-05	0.156678	0.00068
0.13782	-0.01852	0.68978	0.1754	0.00014	0.211187	4.15E-06	0.090332	0.05107
0.03768	-0.01088	0.81465	0.113919	0.01377	0.278557	9.06E-10	0.024505	0.59735
3.02E-06	0.252641	3.11E-08	0.083219	0.07239	0.167723	0.00027	0.219964	1.59E-06
0.92022	-0.01336	0.77339	0.102409	0.0269	0.116101	0.01205	0.241147	1.33E-07
0.09009	-0.03519	0.4481	0.174538	0.00015	0.193876	2.46E-05	0.130266	0.00481
0.43336	0.05401	0.24407	0.200148	1.31E-05	0.231338	4.31E-07	0.156946	0.00066
0.50303	-0.02233	0.63023	0.139993	0.00243	0.153714	0.00086	0.06605	0.15413
0.99314	-0.04027	0.38529	0.495711	2.48E-30	0.101798	0.02783	0.031863	0.49215
0.98063	0.056125	0.22606	0.172803	0.00018	0.19893	1.49E-05	0.141334	0.0022
0.10271	-0.04397	0.34302	0.168294	0.00026	0.201843	1.11E-05	0.164423	0.00036
0.07201	-0.0637	0.16933	0.162986	0.00041	0.187655	4.49E-05	0.118795	0.01019
0.82626	0.047242	0.30833	0.113841	0.01383	0.089449	0.0534	0.089218	0.05402
0.38624	-0.01979	0.6697	0.182445	7.33E-05	0.197303	1.75E-05	0.156484	0.00069
0.20952	-0.04165	0.36912	0.158905	0.00057	0.161627	0.00045	0.111807	0.01564
0.34606	-0.01117	0.80978	0.138044	0.00279	0.110448	0.01695	0.022955	0.62074

0.46055	0.055106	0.23462	0.217862	2.01E-06	0.157861	0.00062	0.154587	0.0008
0.2651	0.010333	0.82377	0.174251	0.00015	0.185511	5.50E-05	0.088059	0.05723
0.00135	-0.10387	0.02479	0.126728	0.0061	0.083947	0.06992	0.045503	0.32649
0.19381	0.328323	3.37E-13	0.151941	0.00099	0.137141	0.00298	0.124947	0.00686
0.01439	0.167502	0.00028	0.300392	3.41E-11	0.201421	1.15E-05	0.140077	0.00241
0.70665	0.02768	0.55072	0.193414	2.57E-05	0.137478	0.00291	0.16867	0.00025
0.89916	0.056386	0.22391	0.178363	0.00011	0.266784	4.73E-09	0.208739	5.39E-06
0.00885	-0.12326	0.00766	0.06069	0.19046	0.02438	0.59922	-0.00473	0.91888
0.28701	-0.00939	0.83967	0.111757	0.01568	0.12101	0.00885	0.086127	0.06293
0.27535	-0.0639	0.16802	0.173292	0.00017	0.151926	0.00099	0.140243	0.00238
0.05442	-0.05655	0.2226	0.118441	0.01042	0.125696	0.00653	0.075284	0.1042
0.0451	0.131922	0.00429	0.168833	0.00025	0.158159	0.0006	0.223222	1.10E-06
0.62811	0.101515	0.02827	0.137676	0.00287	0.0857	0.06425	0.104804	0.02351
0.17966	-0.02832	0.54149	0.08451	0.06805	0.083987	0.06978	0.097673	0.03485
0.43711	0.031629	0.49534	0.236982	2.20E-07	0.102214	0.02719	0.082463	0.07503
0.14513	0.131407	0.00445	0.184244	6.20E-05	0.155065	0.00077	0.31491	3.28E-12
0.00594	0.16805	0.00026	0.220593	1.48E-06	0.191397	3.13E-05	0.413901	9.38E-21
0.47373	-0.02922	0.52874	0.153499	0.00087	0.211968	3.82E-06	0.090858	0.04973
0.12427	-0.07007	0.13051	0.157538	0.00063	0.164296	0.00036	0.07449	0.10791
0.19988	-0.0417	0.36864	0.10784	0.01975	0.103925	0.02471	0.068833	0.13747
0.13672	-0.05133	0.26826	0.118093	0.01065	0.118624	0.0103	0.072564	0.11735
0.04195	0.173023	0.00017	0.139251	0.00256	0.134294	0.00364	0.199266	1.44E-05
0.07927	-0.06381	0.16861	0.165873	0.00032	0.186545	4.99E-05	0.09072	0.05008
0.39526	-0.0348	0.45308	0.168941	0.00024	0.165099	0.00034	0.102839	0.02626
0.69787	0.029509	0.5247	0.202512	1.03E-05	0.205939	7.24E-06	0.196462	1.90E-05
0.37324	-0.0416	0.36971	0.177964	0.00011	0.167978	0.00027	0.148323	0.00131
0.06335	-0.0578	0.21249	0.163608	0.00039	0.204549	8.36E-06	0.057591	0.21414
0.61225	0.066882	0.149	0.13443	0.00361	0.161784	0.00045	0.125427	0.00665
0.13762	-0.06713	0.14749	0.175231	0.00014	0.171405	0.0002	0.11297	0.01458
0.35394	0.002334	0.95987	0.190138	3.54E-05	0.199584	1.39E-05	0.168872	0.00025
0.29724	-0.02796	0.54674	0.197656	1.69E-05	0.197795	1.67E-05	0.147399	0.0014
0.19826	-0.03645	0.43201	0.186729	4.90E-05	0.193836	2.47E-05	0.107312	0.02037
0.21478	-0.04178	0.36764	0.18617	5.17E-05	0.178998	0.0001	0.125903	0.00644
0.43397	0.057148	0.2177	0.189783	3.66E-05	0.198069	1.62E-05	0.209075	5.20E-06
0.62311	0.028069	0.54513	0.203806	9.03E-06	0.21385	3.12E-06	0.243599	9.79E-08
0.56931	0.014632	0.75248	0.165957	0.00032	0.149016	0.00124	0.214988	2.75E-06
0.57858	-0.07486	0.10617	0.182325	7.41E-05	0.138415	0.00272	0.062193	0.17969
0.43077	0.024854	0.59214	0.147134	0.00143	0.14634	0.00152	0.126997	0.00599
0.42004	0.00143	0.97542	0.171747	0.00019	0.217172	2.17E-06	0.155851	0.00073
0.22049	-0.03742	0.41986	0.142528	0.00202	0.138263	0.00275	0.076417	0.09907
0.02555	-0.07212	0.11962	0.156933	0.00067	0.149126	0.00123	0.097288	0.03557
0.38295	-0.02024	0.66269	0.185181	5.67E-05	0.205007	7.97E-06	0.133885	0.00375
0.38917	-0.01859	0.68864	0.1141	0.01362	0.125691	0.00653	0.05095	0.27186
0.90736	0.000992	0.98295	0.145064	0.00167	0.138533	0.0027	0.128431	0.00544
0.01027	-0.08729	0.05945	0.141574	0.00216	0.142242	0.00206	0.117541	0.01102

0.71589	-0.01729	0.70941	0.083574	0.07117	0.081963	0.07681	0.045449	0.32707
0.71945	0.048255	0.29806	0.162235	0.00043	0.15226	0.00096	0.171901	0.00019
0.10856	-0.0679	0.14293	0.126841	0.00605	0.114657	0.01316	0.053828	0.24566
0.03366	-0.09172	0.0476	0.13445	0.0036	0.139183	0.00257	0.043041	0.35337
0.26113	-0.05239	0.25852	0.181012	8.36E-05	0.184033	6.32E-05	0.127796	0.00568
0.1316	-0.07587	0.10153	0.154752	0.00079	0.156608	0.00068	0.125121	0.00678
0.44374	-0.0115	0.80431	0.170779	0.00021	0.16057	0.0005	0.161513	0.00046
0.38093	0.171702	0.00019	0.160752	0.00049	0.227291	6.91E-07	0.166082	0.00031
0.06632	0.000288	0.99505	0.129251	0.00515	0.097798	0.03461	0.057697	0.2133
0.55138	0.065584	0.15706	0.132462	0.00414	0.12327	0.00766	0.193378	2.58E-05
0.60302	0.01609	0.72874	0.198434	1.56E-05	0.206086	7.13E-06	0.171884	0.00019
0.05167	-0.03534	0.4461	0.142379	0.00204	0.113843	0.01383	0.07812	0.09175
0.37676	-0.03605	0.43705	0.183678	6.53E-05	0.165623	0.00033	0.11792	0.01076
0.12868	-0.06546	0.15789	0.122715	0.00794	0.106536	0.0213	0.060323	0.19316
0.05258	-0.08852	0.05592	0.095617	0.03888	0.077329	0.09509	0.010178	0.82636
0.2928	-0.04683	0.31256	0.075767	0.10199	0.055886	0.22804	0.08723	0.05962
0.00658	-0.11366	0.01399	0.087725	0.05818	0.077347	0.09502	0.011169	0.80977
0.42409	-0.04001	0.38831	0.122885	0.00785	0.103347	0.02553	0.096695	0.03672
0.03941	-0.06877	0.13782	0.120682	0.00904	0.109519	0.01791	0.04176	0.36789
0.03995	-0.0773	0.09522	0.150809	0.00108	0.149667	0.00118	0.064275	0.16553
0.63164	0.040141	0.38678	0.132256	0.0042	0.142491	0.00202	0.10255	0.02669
0.12544	-0.03141	0.49832	0.09302	0.04452	0.11186	0.01559	0.014342	0.75723
0.93088	0.037845	0.41453	0.100724	0.02953	0.144087	0.0018	0.113562	0.01407
0.88079	0.032776	0.47982	0.193916	2.45E-05	0.205968	7.21E-06	0.21962	1.65E-06
0.34449	-0.03094	0.50474	0.162128	0.00044	0.150723	0.00109	0.143661	0.00186
0.60121	0.006655	0.88594	0.190998	3.26E-05	0.190897	3.29E-05	0.1607	0.00049
0.57131	0.101032	0.02903	0.136358	0.00315	0.144748	0.00171	0.190605	3.38E-05
0.02214	-0.08453	0.068	0.162146	0.00043	0.160986	0.00048	0.084244	0.06893
0.08245	-0.05198	0.26227	0.175171	0.00014	0.189973	3.60E-05	0.113852	0.01382
0.73514	0.005713	0.902	0.196865	1.83E-05	0.20423	8.64E-06	0.152935	0.00091
0.04923	-0.08913	0.05426	0.138009	0.0028	0.120443	0.00918	0.03104	0.5034
0.5872	0.072065	0.1199	0.204019	8.83E-06	0.226914	7.22E-07	0.234844	2.85E-07
0.4559	-0.01603	0.72973	0.182058	7.59E-05	0.170762	0.00021	0.12842	0.00545
0.19875	-0.02716	0.55819	0.188791	4.03E-05	0.188091	4.31E-05	0.156074	0.00071
0.44433	0.047782	0.30282	0.156338	0.0007	0.162678	0.00042	0.190258	3.50E-05
0.72128	0.01853	0.6896	0.212134	3.75E-06	0.212566	3.58E-06	0.202855	9.96E-06
0.33828	-0.0433	0.35044	0.192818	2.73E-05	0.1775	0.00012	0.114657	0.01316
0.49509	-0.01061	0.81912	0.107661	0.01996	0.114721	0.01311	0.160344	0.0005
0.14465	-0.0604	0.19261	0.167654	0.00027	0.157266	0.00065	0.099961	0.03079
0.09445	-0.06134	0.18576	0.184825	5.87E-05	0.175765	0.00013	0.120322	0.00925
0.96603	0.003002	0.94841	0.117661	0.01094	0.129966	0.00491	0.079274	0.08704
0.25302	-0.04258	0.35852	0.176225	0.00013	0.158875	0.00057	0.08736	0.05924
0.08461	-0.07285	0.1159	0.175132	0.00014	0.218751	1.82E-06	0.078842	0.08878
0.3098	-0.0338	0.46615	0.183791	6.46E-05	0.201933	1.10E-05	0.145034	0.00168
0.63277	0.044164	0.34095	0.102855	0.02624	0.153737	0.00086	0.175199	0.00014

0.52307	0.054627	0.23871	0.19948	1.41E-05	0.177223	0.00012	0.199056	1.47E-05
0.10396	-0.07995	0.08439	0.160577	0.0005	0.161972	0.00044	0.111016	0.01639
0.2502	0.163251	0.0004	0.195517	2.09E-05	0.176882	0.00012	0.339228	4.86E-14
0.0182	0.185941	5.28E-05	0.18639	5.06E-05	0.168829	0.00025	0.200684	1.24E-05
0.40084	0.002672	0.95408	0.177714	0.00011	0.185523	5.49E-05	0.17591	0.00013
0.77585	0.001188	0.97957	0.187654	4.49E-05	0.231559	4.20E-07	0.112421	0.01507
0.90684	0.005167	0.91133	0.22408	9.99E-07	0.188499	4.14E-05	0.164657	0.00035
0.00254	-0.1276	0.00575	0.135512	0.00334	0.140066	0.00242	0.092617	0.04546
0.67622	0.013535	0.7705	0.165141	0.00034	0.161915	0.00044	0.211643	3.95E-06
0.1507	0.098896	0.03262	0.127491	0.0058	0.123001	0.00779	0.18411	6.27E-05
0.91714	0.038362	0.40819	0.170262	0.00022	0.205502	7.57E-06	0.120452	0.00917
0.46173	0.018578	0.68883	0.174113	0.00016	0.230034	5.03E-07	0.135584	0.00333
0.91097	0.052135	0.26085	0.168241	0.00026	0.179212	9.86E-05	0.197123	1.78E-05
0.25178	-0.00792	0.86446	0.184833	5.86E-05	0.185877	5.31E-05	0.146367	0.00152
0.26914	-0.02965	0.52269	0.060172	0.19428	0.057967	0.21116	-0.00388	0.93334
0.06138	-0.04263	0.358	0.14454	0.00174	0.15372	0.00086	0.09523	0.03968
0.98144	0.036638	0.42959	0.121417	0.00863	0.134253	0.00365	0.065673	0.1565
0.09575	-0.05506	0.23503	0.167324	0.00028	0.174398	0.00015	0.118105	0.01064
0.35074	-0.03145	0.49773	0.156806	0.00067	0.135813	0.00327	0.118056	0.01067
0.64413	0.05211	0.26108	0.164474	0.00036	0.229378	5.43E-07	0.212129	3.75E-06
0.427	-0.02736	0.55531	0.198991	1.48E-05	0.195183	2.16E-05	0.143013	0.00195
0.10351	-0.03983	0.39052	0.09123	0.0488	0.084766	0.06722	0.06035	0.19296
0.70601	0.021568	0.642	0.226031	7.99E-07	0.204556	8.36E-06	0.155416	0.00075
0.64368	0.028269	0.54228	0.08351	0.07139	0.092222	0.04639	0.090668	0.05022
0.69775	0.027063	0.55965	0.133062	0.00397	0.148574	0.00128	0.11578	0.01229
0.3892	-0.00606	0.89608	0.11062	0.01678	0.098945	0.03254	0.054857	0.23674
0.99076	0.036817	0.42733	0.102438	0.02686	0.111581	0.01585	0.116368	0.01185
0.34105	-0.04523	0.32938	0.164394	0.00036	0.192141	2.91E-05	0.137866	0.00283
0.57651	-0.0284	0.54045	0.169953	0.00022	0.158476	0.00059	0.11636	0.01186
0.35345	-0.01008	0.82806	0.178765	0.0001	0.179824	9.32E-05	0.082096	0.07634
0.04317	0.121623	0.00851	0.209385	5.03E-06	0.178418	0.00011	0.270958	2.66E-09
0.06235	-0.06604	0.1542	0.163444	0.00039	0.215019	2.74E-06	0.091795	0.04742
0.01756	-0.09038	0.05096	0.124439	0.00709	0.133293	0.00391	0.071595	0.12234
0.51703	0.110068	0.01734	0.123727	0.00743	0.331658	1.88E-13	0.184719	5.93E-05
0.5898	0.036992	0.42514	0.202028	1.08E-05	0.148458	0.00129	0.145799	0.00158
0.24193	-0.01766	0.70342	0.267096	4.54E-09	0.12789	0.00565	0.095417	0.03929
0.72538	0.013348	0.77358	0.397172	4.26E-19	0.204276	8.60E-06	0.149107	0.00123
0.65666	0.065498	0.15761	0.175358	0.00014	0.171096	0.0002	0.148311	0.00131
0.21916	0.025295	0.58558	0.112348	0.01514	0.089351	0.05366	0.04619	0.31924
0.00202	0.198967	1.48E-05	0.163228	0.0004	0.138469	0.00271	0.152896	0.00092
5.07E-05	0.159707	0.00053	0.104121	0.02444	0.203925	8.92E-06	0.105018	0.02323
0.66277	0.045643	0.325	0.135165	0.00343	0.126382	0.00624	0.244366	8.90E-08
0.00259	-0.08479	0.06714	0.160525	0.0005	0.160028	0.00052	0.049027	0.29039
0.22939	-0.00391	0.93286	0.182629	7.20E-05	0.207979	5.84E-06	0.143442	0.00189
0.24993	-0.04662	0.3147	0.168604	0.00025	0.170712	0.00021	0.10668	0.02112



0.11955	-0.0862	0.0627	0.089836	0.05237	0.061034	0.18796	0.03479	0.45323
0.7681	0.038854	0.40219	0.208494	5.53E-06	0.240306	1.47E-07	0.156566	0.00069
0.20276	0.150282	0.00112	0.124406	0.00711	0.132778	0.00405	0.173708	0.00016
0.71715	-0.00848	0.85495	0.19263	2.78E-05	0.218028	1.97E-06	0.151871	0.00099
0.88939	0.016582	0.72079	0.176203	0.00013	0.205578	7.51E-06	0.160922	0.00048
0.04183	0.137901	0.00282	0.194817	2.24E-05	0.223099	1.12E-06	0.208298	5.65E-06
0.97171	0.000408	0.99299	0.15206	0.00098	0.164349	0.00036	0.143235	0.00192
0.1047	-0.05435	0.24111	0.164907	0.00035	0.224301	9.75E-07	0.102668	0.02651
0.92686	0.081364	0.079	0.106323	0.02156	0.436563	3.75E-23	0.061144	0.18716
0.34621	0.028647	0.53688	0.151078	0.00106	0.605067	5.67E-48	0.105886	0.02211
0.23256	-0.02728	0.55644	0.183327	6.75E-05	0.191875	2.99E-05	0.119009	0.01005
0.01351	-0.07436	0.10851	0.120964	0.00888	0.144758	0.00171	0.059871	0.19653
0.7315	0.044898	0.33297	0.084057	0.06955	0.062583	0.17697	0.043106	0.35265
0.90246	0.024915	0.59122	0.125967	0.00642	0.153299	0.00089	0.22384	1.03E-06
0.43179	-0.02985	0.51995	0.184934	5.81E-05	0.179361	9.73E-05	0.155085	0.00077
0.10475	-0.01972	0.67082	0.095694	0.03872	0.106171	0.02175	0.040824	0.37874
0.19876	-0.02584	0.57747	0.171537	0.0002	0.214302	2.97E-06	0.129209	0.00517
0.04628	-0.05162	0.26558	0.09018	0.05147	0.155775	0.00073	0.018792	0.68545
0.12946	-0.04271	0.35707	0.118995	0.01006	0.151459	0.00103	0.08543	0.0651
0.24541	0.000129	0.99779	0.129624	0.00502	0.15391	0.00085	0.121498	0.00858
0.98529	0.047049	0.31031	0.153956	0.00084	0.162528	0.00042	0.161931	0.00044
0.12297	-0.04244	0.3601	0.135064	0.00345	0.186126	5.19E-05	0.092306	0.04619
0.74367	0.068061	0.14195	0.092179	0.04649	0.059988	0.19565	0.087172	0.05979
0.26813	-0.04273	0.35692	0.183726	6.50E-05	0.184507	6.05E-05	0.245254	7.96E-08
0.10651	0.049158	0.2891	0.189562	3.74E-05	0.179732	9.40E-05	0.213877	3.11E-06
0.33897	0.088303	0.05654	0.235686	2.57E-07	0.231947	4.01E-07	0.233189	3.47E-07
0.04079	-0.08337	0.07188	0.158893	0.00057	0.155873	0.00072	0.089208	0.05404
0.81974	0.050606	0.27511	0.193516	2.55E-05	0.283024	4.74E-10	0.167883	0.00027
0.9426	-0.03533	0.44628	0.062429	0.17805	0.311775	5.50E-12	0.033144	0.4749
0.09284	0.029495	0.5249	0.086257	0.06253	0.061084	0.1876	0.050323	0.27781
0.51625	0.193669	2.51E-05	0.156603	0.00068	0.198241	1.59E-05	0.076135	0.10033
0.43966	0.066071	0.154	0.144166	0.00179	0.184771	5.90E-05	0.201233	1.18E-05
0.24235	-0.03514	0.44865	0.180913	8.44E-05	0.189878	3.63E-05	0.110076	0.01733
0.99173	0.052252	0.25978	0.179038	0.0001	0.163679	0.00038	0.171454	0.0002
0.54093	0.006448	0.88947	0.088855	0.05501	0.404642	7.97E-20	0.067959	0.14255
0.39395	0.042147	0.36348	0.096951	0.03622	0.388986	2.55E-18	0.047967	0.30095
0.70791	0.003515	0.93962	0.185641	5.43E-05	0.172515	0.00018	0.123054	0.00776
0.51894	0.044158	0.34101	0.123486	0.00755	0.116235	0.01195	0.158131	0.0006
0.55626	0.105168	0.02303	0.22733	6.88E-07	0.181819	7.76E-05	0.161604	0.00045
0.12071	0.157295	0.00065	0.158326	0.00059	0.207207	6.34E-06	0.24353	9.87E-08
0.30841	0.005808	0.90038	0.173428	0.00017	0.239724	1.58E-07	0.091281	0.04867
0.06264	-0.07468	0.107	0.177893	0.00011	0.178106	0.00011	0.104202	0.02433
0.73398	-0.00182	0.96869	0.115327	0.01264	0.05349	0.24864	0.149597	0.00119
0.05427	-0.08197	0.0768	0.115785	0.01228	0.079503	0.08613	0.019888	0.66816
0.21589	0.044411	0.33825	0.086413	0.06206	0.099471	0.03162	0.012091	0.7944

0.12725	-0.06286	0.17505	0.075044	0.10531	0.077947	0.09247	0.017479	0.70637
0.81501	0.068033	0.14211	0.227304	6.90E-07	0.210801	4.33E-06	0.130351	0.00478
0.56767	-0.03623	0.4348	0.214568	2.88E-06	0.13199	0.00427	0.085676	0.06432
0.01142	-0.10092	0.02922	0.105802	0.02221	0.099479	0.03161	0.113536	0.01409
0.93729	0.040731	0.37983	0.178656	0.0001	0.191953	2.97E-05	0.13557	0.00333
0.35264	-0.00363	0.93764	0.1104	0.017	0.119262	0.00989	0.101875	0.02771
0.11545	-0.07731	0.09519	0.140969	0.00226	0.140927	0.00227	0.021078	0.64958
0.82297	0.051049	0.27092	0.131075	0.00455	0.235106	2.76E-07	0.064144	0.16639
0.5857	0.110067	0.01734	0.117112	0.01132	0.140464	0.00235	0.074204	0.10927
0.59769	-0.00449	0.92284	0.209422	5.01E-06	0.219064	1.76E-06	0.159069	0.00056
0.0968	-0.0873	0.05941	0.113942	0.01375	0.115677	0.01237	0.038756	0.40339
0.01717	0.224262	9.79E-07	0.180448	8.81E-05	0.183783	6.47E-05	0.282422	5.17E-10
0.91318	0.062847	0.17515	0.183031	6.94E-05	0.253421	2.81E-08	0.131212	0.00451
0.11463	0.185455	5.53E-05	0.167309	0.00028	0.127009	0.00599	0.169623	0.00023
0.48969	0.072276	0.11882	0.216448	2.35E-06	0.232516	3.75E-07	0.235202	2.73E-07
0.48306	0.066611	0.15066	0.169886	0.00023	0.1932	2.63E-05	0.136372	0.00315
0.00225	-0.10215	0.02729	0.102851	0.02624	0.084017	0.06968	0.020874	0.65276
0.17214	0.044303	0.33943	0.096996	0.03613	0.095353	0.03942	0.115528	0.01248
0.27977	0.095357	0.03941	0.184457	6.07E-05	0.176083	0.00013	0.31176	5.52E-12
0.09969	-0.05455	0.23939	0.166559	0.0003	0.18237	7.38E-05	0.098736	0.03291
0.30957	0.000159	0.99726	0.16602	0.00031	0.152738	0.00093	0.134817	0.00351
0.46176	0.053494	0.24861	0.142739	0.00199	0.102679	0.0265	0.082254	0.07577
0.80417	0.031503	0.49705	0.209302	5.08E-06	0.09272	0.04521	0.327114	4.15E-13
0.10143	-0.10339	0.02546	0.070891	0.12607	0.049442	0.28632	0.082042	0.07653
0.81926	0.051693	0.26492	0.125628	0.00656	0.207299	6.27E-06	0.065901	0.15506
0.0651	-0.05421	0.24234	0.125822	0.00648	0.185079	5.73E-05	0.092687	0.04529
0.13953	0.012839	0.78199	0.083455	0.07158	0.092453	0.04584	0.127201	0.00591
0.61937	-0.00249	0.95713	0.304193	1.87E-11	0.219235	1.72E-06	0.18101	8.36E-05
0.02562	-0.04505	0.33129	0.166184	0.00031	0.229397	5.41E-07	0.094791	0.0406
0.88195	0.075198	0.10459	0.213583	3.21E-06	0.243518	9.89E-08	0.198397	1.57E-05
0.29789	0.01925	0.6782	0.41266	1.25E-20	0.126598	0.00615	0.141338	0.0022
0.9503	0.049851	0.28234	0.171979	0.00019	0.099368	0.0318	0.152908	0.00092
0.17872	0.097656	0.03488	0.187244	4.67E-05	0.224022	1.01E-06	0.207765	5.97E-06
0.78206	0.046057	0.32064	0.095171	0.0398	0.16143	0.00046	0.036089	0.43654
0.90114	0.025286	0.58572	0.207607	6.07E-06	0.217108	2.18E-06	0.210673	4.39E-06
0.01058	-0.06745	0.14555	0.609502	7.74E-49	0.120809	0.00897	-0.02004	0.66585
0.00764	-0.08271	0.07417	0.136893	0.00303	0.239251	1.67E-07	0.072807	0.11612
0.45156	-0.05162	0.26558	0.087434	0.05902	0.14715	0.00143	0.131505	0.00442
0.18395	-0.02959	0.52352	0.189811	3.65E-05	0.188259	4.24E-05	0.128228	0.00552
0.33527	0.072992	0.1152	0.204382	8.51E-06	0.171028	0.0002	0.174868	0.00015
0.04292	-0.06327	0.17228	0.203421	9.40E-06	0.172894	0.00017	0.136491	0.00312
0.66344	0.046146	0.3197	0.179985	9.19E-05	0.199285	1.43E-05	0.15123	0.00104
0.98494	0.060903	0.18891	0.16056	0.0005	0.140896	0.00227	0.094991	0.04018
0.72149	0.061996	0.18108	0.14558	0.00161	0.16088	0.00048	0.057001	0.21888
0.03125	-0.06184	0.18215	0.15457	0.0008	0.161427	0.00046	0.110349	0.01705

0.07494	-0.00731	0.87488	0.125863	0.00646	0.125285	0.00671	0.10146	0.02835
0.17226	0.171371	0.0002	0.113569	0.01406	0.122457	0.00807	0.116627	0.01166
0.22568	-0.04422	0.34029	0.177483	0.00012	0.221897	1.28E-06	0.118452	0.01041
0.18465	-0.02078	0.65415	0.173535	0.00016	0.308766	8.98E-12	0.107776	0.01983
0.04336	-0.035	0.45052	0.174842	0.00015	0.190788	3.32E-05	0.16708	0.00029
0.76992	0.046933	0.3115	0.249783	4.49E-08	0.259458	1.27E-08	0.183183	6.84E-05
0.07244	0.170893	0.00021	0.171673	0.00019	0.14898	0.00124	0.119255	0.0099
0.20637	-0.0217	0.63994	0.18413	6.26E-05	0.174058	0.00016	0.104777	0.02355
0.8057	0.012508	0.78749	0.147035	0.00144	0.133157	0.00394	0.209483	4.98E-06
0.15484	-0.06974	0.13237	0.171279	0.0002	0.184245	6.20E-05	0.071898	0.12076
0.14274	-0.039	0.40042	0.232456	3.78E-07	0.211049	4.21E-06	0.128869	0.00529
0.27537	-0.00937	0.84002	0.118675	0.01026	0.088466	0.05608	0.090534	0.05055
0.42156	0.08621	0.06267	0.110104	0.0173	0.169501	0.00023	0.205394	7.66E-06
0.07485	0.136842	0.00304	0.23267	3.69E-07	0.216304	2.38E-06	0.142307	0.00205
0.90083	0.013307	0.77427	0.215477	2.61E-06	0.253706	2.71E-08	0.223023	1.13E-06
0.03318	0.194311	2.36E-05	0.170362	0.00022	0.227717	6.58E-07	0.359917	9.94E-16
0.00018	0.264239	6.70E-09	0.198723	1.52E-05	0.157415	0.00064	0.192779	2.74E-05
0.43677	-0.00402	0.9309	0.144178	0.00179	0.101181	0.02879	0.166317	0.00031
0.57126	0.064241	0.16576	0.161002	0.00048	0.230955	4.51E-07	0.153165	0.0009
0.73807	0.043686	0.3462	0.15245	0.00095	0.207044	6.45E-06	0.088775	0.05523
0.0871	-0.03905	0.39979	0.16463	0.00035	0.197426	1.73E-05	0.106821	0.02095
0.72969	-0.01963	0.67214	0.177337	0.00012	0.192386	2.85E-05	0.226986	7.16E-07
0.05631	0.146983	0.00145	0.207401	6.21E-06	0.143863	0.00183	0.23298	3.55E-07
0.57505	0.101368	0.0285	0.118241	0.01055	0.341225	3.38E-14	0.070153	0.13007
0.06026	-0.07937	0.08667	0.156132	0.00071	0.167096	0.00029	0.104405	0.02405
0.77948	0.007741	0.86749	0.167937	0.00027	0.168945	0.00024	0.209623	4.91E-06
0.31801	0.088333	0.05646	0.210846	4.31E-06	0.228221	6.21E-07	0.24651	6.80E-08
0.8054	0.067399	0.14587	0.2128	3.49E-06	0.186134	5.19E-05	0.141871	0.00212
0.1687	-0.04258	0.3586	0.159559	0.00054	0.172241	0.00018	0.091006	0.04936
0.26522	-0.05947	0.19957	0.215133	2.71E-06	0.183057	6.92E-05	0.117169	0.01128
0.76538	0.044344	0.33898	0.177398	0.00012	0.169719	0.00023	0.150059	0.00114
0.01249	-0.11343	0.01418	0.077606	0.09391	0.120361	0.00923	0.087608	0.05852
0.16491	0.091975	0.04698	0.20237	1.05E-05	0.208697	5.41E-06	0.186001	5.25E-05
0.10928	0.145036	0.00168	0.231649	4.16E-07	0.20037	1.28E-05	0.303315	2.15E-11
0.26452	-0.08409	0.06945	0.048606	0.29455	0.04104	0.37622	-0.01129	0.80781
0.40895	0.069873	0.13162	0.225058	8.94E-07	0.164404	0.00036	0.088728	0.05536
0.04648	-0.06389	0.16806	0.097976	0.03429	0.086448	0.06195	-0.0099	0.83107
0.26154	0.024879	0.59177	0.170977	0.00021	0.146889	0.00146	0.118683	0.01026
0.29401	-0.02728	0.55651	0.151476	0.00102	0.092728	0.0452	-0.00062	0.98935
0.29972	-0.03441	0.45822	0.090918	0.04958	0.061021	0.18805	0.038867	0.40204
0.08395	-0.04609	0.32029	0.093672	0.04304	0.091	0.04937	0.019442	0.67517
0.03027	-0.04164	0.36929	0.085402	0.06519	0.053495	0.2486	0.032335	0.48575
0.98779	0.050591	0.27525	0.196171	1.96E-05	0.153275	0.00089	0.194193	2.38E-05
0.54852	0.012734	0.78374	0.111001	0.01641	0.203152	9.66E-06	0.095976	0.03814
0.48898	0.032725	0.48051	0.102479	0.02679	0.08346	0.07156	0.038592	0.40537

0.00536	-0.13715	0.00298	0.094179	0.04192	0.084439	0.06829	0.087305	0.0594
0.61426	0.059014	0.20302	0.081139	0.07984	0.070516	0.12809	0.095089	0.03997
0.60047	0.022112	0.63364	0.070216	0.12972	0.093128	0.04427	0.083365	0.07188
0.45302	0.128873	0.00528	0.180366	8.87E-05	0.191282	3.17E-05	0.244918	8.30E-08
0.81691	0.030281	0.5139	0.131938	0.00429	0.158753	0.00057	0.087088	0.06004
0.6233	0.05355	0.24811	0.185004	5.77E-05	0.184792	5.89E-05	0.171136	0.0002
0.20629	-0.03589	0.43903	0.046069	0.3205	0.038978	0.40069	-0.01577	0.73391
0.69351	0.012603	0.7859	0.146498	0.0015	0.084541	0.06795	-0.02028	0.66197
0.24765	-0.03115	0.50185	0.168786	0.00025	0.188207	4.26E-05	0.136969	0.00302
0.19997	-0.0407	0.3802	0.168953	0.00024	0.17244	0.00018	0.118315	0.0105
0.61413	0.025281	0.58579	0.143114	0.00193	0.120604	0.00909	0.165235	0.00034
0.04014	0.166454	0.0003	0.240963	1.36E-07	0.177464	0.00012	0.200527	1.26E-05
0.72819	-0.00905	0.84531	0.188898	3.99E-05	0.192893	2.71E-05	0.147856	0.00135
0.25952	0.127463	0.00581	0.161009	0.00048	0.116708	0.0116	0.109962	0.01745
0.00029	0.234877	2.83E-07	0.202305	1.05E-05	0.241448	1.28E-07	0.309678	7.74E-12
0.05009	-0.09334	0.04379	0.157871	0.00062	0.159742	0.00053	0.078945	0.08836
0.58642	0.052133	0.26086	0.145487	0.00162	0.147799	0.00136	0.140478	0.00234
0.85619	0.049611	0.28467	0.177688	0.00011	0.189209	3.87E-05	0.18674	4.90E-05
0.35923	-0.00435	0.92535	0.141019	0.00225	0.250684	4.00E-08	0.151383	0.00103
5.06E-91	0.626835	2.36E-52	0.161013	0.00048	0.122108	0.00825	0.020252	0.66246
#####	0.657935	3.01E-59	0.07571	0.10224	0.025102	0.58844	0.328238	3.42E-13
#####	0.766044	2.72E-91	0.125934	0.00643	0.127336	0.00586	0.19532	2.13E-05
#####	0.632069	1.85E-53	0.13688	0.00304	0.038862	0.4021	0.247855	5.74E-08
8.39E-50	0.359763	1.02E-15	0.004439	0.92378	-0.0246	0.59596	0.124813	0.00692
#####	0.596383	2.56E-46	0.083447	0.07161	0.038122	0.41113	0.203366	9.45E-06
1.83E-41	0.362182	6.38E-16	0.074411	0.10829	0.00315	0.94587	0.212496	3.61E-06
1.49E-40	0.549446	3.45E-38	0.072674	0.1168	0.142854	0.00197	0.376284	3.72E-17
2.73E-98	0.540841	7.81E-37	0.084169	0.06918	0.029155	0.52968	0.235431	2.65E-07
#####	0.64031	3.05E-55	0.101188	0.02878	0.095753	0.0386	0.177921	0.00011
#####	0.651666	8.59E-58	0.100958	0.02915	0.066782	0.14961	0.257873	1.57E-08
2.57E-81	0.604667	6.77E-48	0.159281	0.00055	0.007704	0.86813	0.158329	0.00059
#####	0.739473	6.04E-82	0.119504	0.00974	0.062785	0.17558	0.167604	0.00027
1.50E-97	0.69343	3.41E-68	-0.02549	0.58263	0.081079	0.08006	0.25246	3.19E-08
1.00E-63	0.428163	3.05E-22	0.026498	0.56788	-0.00559	0.90402	0.124992	0.00684
7.59E-37	0.289197	1.90E-10	-0.02813	0.54431	-0.0503	0.27805	-0.11312	0.01445
#####	0.590702	2.91E-45	0.105072	0.02316	0.016925	0.71526	0.146855	0.00146
8.68E-61	0.419787	2.33E-21	0.06641	0.1519	0.060184	0.19419	0.132987	0.00399
3.91E-39	0.500406	5.79E-31	0.018802	0.68529	0.14788	0.00135	0.155294	0.00076
6.97E-43	0.519524	1.22E-33	0.030443	0.51165	0.032335	0.48576	0.19454	2.30E-05
#####	0.769371	1.50E-92	0.166449	0.0003	0.076764	0.09754	0.277408	1.07E-09
2.66E-35	0.426552	4.53E-22	0.071423	0.12324	0.064417	0.16459	0.215982	2.47E-06
3.88E-90	0.617246	2.21E-50	0.177528	0.00011	0.052778	0.255	0.158496	0.00059
#####	0.676973	6.87E-64	0.043117	0.35253	0.093138	0.04425	0.228337	6.13E-07
#####	0.742352	6.68E-83	0.133236	0.00392	0.097423	0.03532	0.189391	3.80E-05
1.10E-58	0.518965	1.47E-33	0.086121	0.06295	-0.00761	0.86974	0.197326	1.75E-05

3.09E-96	0.563142	1.99E-40	0.109866	0.01755	0.018403	0.69161	0.298917	4.29E-11
9.53E-66	0.582608	8.54E-44	0.104031	0.02456	-0.00663	0.88635	0.03496	0.45103
3.54E-62	0.417231	4.28E-21	0.081904	0.07703	-0.00031	0.99465	0.19525	2.15E-05
2.64E-51	0.36813	1.96E-16	0.044675	0.33538	-0.03593	0.43863	0.046234	0.31878
4.57E-97	0.579579	2.96E-43	0.0698	0.13202	0.002186	0.96242	0.182355	7.39E-05
7.79E-85	0.594044	7.00E-46	0.092655	0.04537	0.065442	0.15797	0.120522	0.00913
5.16E-90	0.54275	3.94E-37	0.067689	0.14415	0.05559	0.23052	0.256515	1.88E-08
#####	0.658588	2.11E-59	0.076477	0.09881	0.063057	0.17371	0.226079	7.95E-07
7.27E-68	0.640119	3.36E-55	0.012769	0.78316	0.06518	0.15964	0.234502	2.96E-07
1.27E-69	0.524032	2.69E-34	0.164187	0.00037	0.041853	0.36683	0.255677	2.10E-08
7.14E-68	0.496172	2.15E-30	0.130463	0.00474	0.042601	0.35832	0.241796	1.22E-07
7.64E-85	0.594253	6.40E-46	0.079359	0.0867	0.096046	0.038	0.249815	4.47E-08
1.26E-59	0.514067	7.36E-33	0.031431	0.49803	-0.01538	0.74027	0.145383	0.00163
#####	0.778796	3.12E-96	0.176357	0.00013	0.130619	0.00469	0.299454	3.95E-11
3.52E-24	0.194453	2.32E-05	0.074828	0.10632	-0.08057	0.08198	-0.00494	0.91528
5.43E-82	0.523153	3.61E-34	0.020255	0.6624	-0.01603	0.72976	0.06648	0.15146
1.02E-83	0.561994	3.10E-40	0.066344	0.15231	-0.05727	0.21671	0.240644	1.41E-07
3.15E-96	0.563242	1.92E-40	0.134937	0.00348	0.027285	0.55643	0.196283	1.94E-05
7.10E-84	0.630648	3.72E-53	0.150058	0.00114	0.053275	0.25055	0.217117	2.18E-06
4.28E-92	0.524913	1.99E-34	0.023941	0.60581	-0.00544	0.90667	0.192715	2.76E-05
#####	0.792842	#####	0.132415	0.00415	0.081746	0.0776	0.145773	0.00159
#####	0.785396	6.40E-99	0.145942	0.00157	0.110668	0.01673	0.249863	4.45E-08
7.18E-62	0.421459	1.56E-21	0.012679	0.78464	-0.00077	0.98684	0.140314	0.00237
3.23E-75	0.590623	3.01E-45	0.03991	0.38951	0.052621	0.25642	0.068427	0.13981
#####	0.70785	3.27E-72	0.102073	0.02741	0.053696	0.24682	0.162481	0.00042
1.18E-57	0.491742	8.35E-30	0.072592	0.11721	0.007118	0.87808	0.201405	1.16E-05
#####	0.728096	2.76E-78	0.094567	0.04108	0.0345	0.45701	0.286791	2.72E-10
#####	0.633935	7.40E-54	0.108162	0.01939	0.054638	0.23862	0.234214	3.07E-07
#####	0.764498	1.03E-90	0.132631	0.00409	0.08757	0.05863	0.216771	2.26E-06
#####	0.702474	1.10E-70	0.030446	0.51161	0.044652	0.33564	0.115585	0.01244
#####	0.697688	2.35E-69	0.09871	0.03296	0.042462	0.35989	0.165464	0.00033
1.22E-33	0.261367	9.87E-09	0.093902	0.04253	0.026866	0.56251	0.193478	2.56E-05
4.51E-99	0.712635	1.34E-73	0.157588	0.00063	0.110273	0.01713	0.288762	2.02E-10
1.73E-86	0.536584	3.54E-36	0.051961	0.26244	0.0308	0.50671	0.235933	2.50E-07
5.76E-60	0.40508	7.21E-20	0.099504	0.03157	0.003118	0.94643	0.012726	0.78386
5.29E-63	0.505355	1.22E-31	0.098286	0.03372	-0.03397	0.46397	0.282309	5.26E-10
2.38E-27	0.344395	1.89E-14	0.05148	0.26689	-0.02315	0.61773	0.10074	0.0295
#####	0.629703	5.90E-53	0.078762	0.0891	0.06412	0.16655	0.163211	0.0004
#####	0.745343	6.56E-84	0.129263	0.00515	0.091974	0.04698	0.295286	7.52E-11
1.31E-81	0.661982	3.31E-60	0.11855	0.01035	0.07394	0.11054	0.274069	1.72E-09
#####	0.714591	3.56E-74	0.104478	0.02395	0.089615	0.05295	0.107697	0.01992
#####	0.66463	7.67E-61	0.106543	0.02129	0.031477	0.49741	0.196585	1.88E-05
1.87E-81	0.661535	4.23E-60	0.062832	0.17526	0.106234	0.02167	0.266074	5.22E-09
7.40E-96	0.628595	1.01E-52	0.072947	0.11543	-0.03315	0.47484	0.107361	0.02031
1.30E-23	0.362393	6.12E-16	0.012023	0.79553	0.036102	0.43637	-0.01209	0.7944

3.40E-33	0.500935	4.91E-31	0.041232	0.37399	0.085524	0.0648	0.172001	0.00019
3.51E-42	0.57964	2.88E-43	0.076782	0.09747	0.060141	0.19451	0.170147	0.00022
1.47E-69	0.676186	1.09E-63	0.068381	0.14008	0.095655	0.0388	0.129382	0.00511
1.10E-50	0.504866	1.42E-31	0.116847	0.0115	0.086197	0.06272	0.208307	5.64E-06
2.65E-79	0.448591	1.68E-24	0.158815	0.00057	0.012256	0.79165	0.155735	0.00073
0.00035	-0.166	0.00031	-0.13602	0.00323	-0.1114	0.01603	-0.0049	0.91587
7.34E-05	-0.17917	9.90E-05	-0.09685	0.03642	-0.0485	0.29557	0.010732	0.81707
0.05884	0.115071	0.01283	-0.01246	0.78822	-0.06903	0.13636	0.109903	0.01751
0.02336	0.037574	0.41789	-0.1451	0.00167	-0.08159	0.07816	-0.0322	0.48757
0.06366	-0.0751	0.10502	-0.0581	0.21013	-0.0632	0.17273	-0.02506	0.58909
0.13644	0.123021	0.00778	-0.02073	0.65494	-0.03939	0.39571	-0.05053	0.27587
0.3738	0.125224	0.00674	-0.04014	0.38683	-0.02462	0.59564	-0.05141	0.26753
0.0079	-0.08958	0.05304	-0.01997	0.66691	-0.10401	0.0246	-0.01986	0.66861
0.87228	0.089858	0.05231	-0.08241	0.0752	-0.03507	0.44956	-0.09716	0.03583
0.00091	-0.04549	0.32665	-0.05309	0.25216	-0.0267	0.56494	0.04132	0.37297
4.88E-09	-0.21363	3.19E-06	-0.04968	0.28405	-0.0194	0.67576	-0.11911	0.00999
0.02298	-0.09841	0.0335	0.139426	0.00253	-0.01	0.82941	0.020148	0.66408
0.01197	0.088325	0.05648	-0.11302	0.01454	-0.07395	0.1105	0.018719	0.68661
2.31E-12	-0.31873	1.74E-12	-0.08956	0.05309	-0.12058	0.0091	-0.10171	0.02797
4.48E-05	-0.22393	1.02E-06	-0.10099	0.0291	-0.09588	0.03834	-0.08751	0.05879
5.50E-05	-0.23674	2.27E-07	-0.09326	0.04397	-0.16372	0.00038	-0.13083	0.00463
2.90E-08	-0.28943	1.83E-10	-0.06837	0.14016	-0.12386	0.00737	-0.14181	0.00213
3.73E-07	-0.19339	2.58E-05	-0.04064	0.38084	-0.05028	0.27819	-0.09064	0.05029
1.20E-08	-0.23389	3.19E-07	-0.07147	0.12301	-0.08125	0.07942	-0.06515	0.15985
0.96612	0.007016	0.87981	-0.11494	0.01294	-0.06891	0.13704	0.067949	0.14261
8.19E-08	-0.18366	6.54E-05	-0.01697	0.71455	0.000438	0.99246	-0.12046	0.00917
0.00021	-0.11566	0.01238	-0.16634	0.00031	-0.04084	0.37859	-0.14525	0.00165
1.56E-24	-0.42193	1.39E-21	-0.12165	0.0085	-0.07038	0.12885	-0.22442	9.61E-07
2.83E-11	-0.2165	2.33E-06	-0.13032	0.00479	-0.03441	0.45817	-0.16453	0.00036
0.00049	-0.12495	0.00686	-0.09465	0.04089	-0.08379	0.07043	-0.16985	0.00023
4.12E-16	-0.32756	3.84E-13	-0.09611	0.03787	-0.12449	0.00707	-0.07409	0.10982
4.27E-14	-0.32103	1.18E-12	-0.1553	0.00076	-0.16602	0.00031	-0.0866	0.06149
0.12275	-0.08859	0.05575	0.002511	0.95684	-0.03357	0.46927	0.085558	0.0647
1.52E-13	-0.203	9.82E-06	-0.02325	0.61627	-0.04151	0.37082	-0.14852	0.00129
1.60E-08	-0.29038	1.59E-10	-0.07339	0.11322	-0.11886	0.01015	-0.07761	0.0939
1.33E-07	-0.23194	4.02E-07	-0.05381	0.24582	-0.05815	0.2097	-0.06306	0.17371
0.00039	-0.19586	2.02E-05	-0.01836	0.69233	-0.08387	0.07016	-0.05862	0.20609
0.88846	-0.00043	0.99263	-0.05475	0.23769	-0.05142	0.26747	-0.02278	0.62348
0.40555	0.09024	0.05131	0.046567	0.3153	0.033884	0.4651	0.004766	0.91819
1.10E-12	-0.29127	1.39E-10	-0.08006	0.08394	-0.18172	7.84E-05	0.024732	0.59395
6.63E-06	-0.17447	0.00015	0.022821	0.62279	-0.13944	0.00253	-0.10545	0.02267
0.10261	0.11276	0.01477	-0.07512	0.10495	0.013304	0.77431	-0.02953	0.52434
4.14E-12	-0.23873	1.78E-07	-0.04228	0.36195	-0.01955	0.67339	-0.10601	0.02195
0.78472	0.035947	0.43835	-0.04917	0.28895	-0.05164	0.26537	0.076427	0.09903
0.00011	-0.22226	1.23E-06	-0.03632	0.43365	-0.03151	0.49702	0.126211	0.00631

2.52E-07	-0.38247	1.02E-17	-0.09259	0.04552	-0.11139	0.01603	-0.05787	0.21192
9.94E-08	-0.29403	9.12E-11	-0.02152	0.64273	-0.08095	0.08053	0.03755	0.41818
0.46957	-0.00918	0.8432	0.003974	0.93175	-0.01579	0.73353	-0.04219	0.36294
2.05E-06	0.403308	1.08E-19	-0.08514	0.066	0.15287	0.00092	-0.08187	0.07717
0.0004	-0.22598	8.04E-07	0.114981	0.01291	-0.05101	0.27128	-0.0101	0.82767
0.05156	-0.09391	0.04251	0.02983	0.5202	-0.06577	0.15588	-0.15171	0.00101
0.08963	-0.05872	0.20529	0.03427	0.46001	0.012529	0.78714	-0.11811	0.01063
0.22291	-0.00608	0.89575	0.002649	0.95448	0.06264	0.17658	-0.07662	0.09819
0.23492	-0.14906	0.00124	0.050836	0.27293	-0.13532	0.00339	0.085608	0.06454
0.42691	-0.04042	0.38348	0.078951	0.08834	0.024023	0.60458	0.176335	0.00013
1.16E-20	-0.44617	3.17E-24	-0.0319	0.49158	-0.00885	0.84879	-0.06083	0.18942
0.05413	-0.17184	0.00019	-0.00744	0.87252	0.047795	0.30269	0.047385	0.30686
0.00033	-0.27043	2.86E-09	0.001786	0.96929	-0.03836	0.40822	-0.09266	0.04535
0.14508	-0.01069	0.81785	-0.11546	0.01253	0.025953	0.57586	-0.03237	0.4853
3.92E-06	-0.3157	2.88E-12	-0.03321	0.47406	-0.04525	0.3292	-0.05888	0.20406
0.02684	-0.21573	2.54E-06	0.054007	0.24409	-0.03845	0.40712	0.028269	0.54227
0.77331	-0.10738	0.02028	0.053681	0.24695	0.012647	0.78518	-0.0333	0.47283
0.97079	-0.03781	0.41495	-0.00861	0.85276	0.087559	0.05866	-0.09916	0.03215
0.00411	-0.32082	1.22E-12	-0.05056	0.27554	-0.06672	0.14999	0.080921	0.08066
1.23E-08	-0.35533	2.41E-15	-0.0503	0.27801	-0.09096	0.04948	-0.06973	0.13242
0.10589	-0.01719	0.71105	0.031036	0.50346	0.030893	0.50543	0.044877	0.3332
0.00054	-0.27449	1.62E-09	-0.05437	0.24091	-0.04791	0.30155	-0.16332	0.00039
0.11958	-0.19539	2.12E-05	-0.04872	0.29346	-0.06551	0.15755	-0.08609	0.06304
0.00042	-0.19199	2.96E-05	0.001791	0.96922	-0.06918	0.1355	-0.02198	0.63566
0.00631	-0.08753	0.05873	0.060748	0.19004	0.022048	0.63462	-0.10981	0.01761
0.02754	-0.22369	1.04E-06	-0.02555	0.58182	-0.06207	0.18057	-0.01819	0.69494
6.28E-10	-0.31722	2.24E-12	-0.03832	0.4087	-0.09155	0.04801	-0.23525	2.71E-07
0.0606	-0.17492	0.00015	0.053823	0.2457	-0.00331	0.94315	-0.00505	0.91332
0.00154	-0.18064	8.65E-05	0.029931	0.51879	-0.03339	0.47163	0.026086	0.57391
4.55E-10	-0.33422	1.19E-13	-0.10982	0.01759	-0.04707	0.31008	-0.00466	0.92
0.00025	-0.23312	3.50E-07	0.02101	0.65065	-0.04745	0.3062	-0.09498	0.04021
0.51778	-0.04607	0.32047	-0.01375	0.76697	-0.04092	0.37762	-0.05084	0.27286
0.39102	-0.13358	0.00383	-0.09694	0.03624	-0.04859	0.29476	0.058511	0.2069
0.00828	-0.22671	7.39E-07	0.036736	0.42835	0.022165	0.63282	0.092896	0.04481
3.31E-26	-0.55849	1.18E-39	-0.0702	0.12981	-0.03395	0.46421	-0.13199	0.00427
0.02595	-0.188	4.34E-05	0.159019	0.00056	0.152977	0.00091	-0.00366	0.9372
1.29E-06	-0.26696	4.62E-09	0.013831	0.76562	0.080511	0.08221	-0.00549	0.90586
3.14E-07	-0.36609	2.94E-16	-0.0049	0.91593	-0.0999	0.03089	-0.01163	0.80207
0.06554	-0.13876	0.00265	0.012044	0.79518	-0.02988	0.51954	-0.04751	0.30563
0.39572	-0.06079	0.18974	0.041066	0.37592	-0.00612	0.89512	-0.10964	0.01778
3.61E-06	-0.23024	4.91E-07	-0.01035	0.8234	-0.04415	0.34111	-0.01305	0.77844
0.00233	-0.08006	0.08394	0.068116	0.14162	-0.01992	0.66767	0.028435	0.53991
0.13828	-0.04018	0.38636	0.013459	0.77175	-0.01354	0.77045	-0.19829	1.59E-05
0.00332	-0.23274	3.65E-07	-0.0571	0.21806	-0.00854	0.85399	-0.12149	0.00858
4.13E-11	-0.43184	1.22E-22	-0.0215	0.643	-0.06391	0.16793	-0.09968	0.03126

2.37E-06	-0.23677	2.26E-07	0.009342	0.84044	-0.06556	0.15719	-0.04869	0.29367
6.25E-10	-0.37134	1.02E-16	-0.06884	0.13744	-0.04432	0.33922	0.06492	0.16132
9.77E-05	-0.17864	0.0001	0.064466	0.16428	-0.04244	0.36014	-0.0468	0.31288
0.12402	-0.05936	0.20037	-0.01367	0.76824	0.046356	0.31749	0.006257	0.89273
0.16281	-0.14339	0.00189	-0.01533	0.74102	0.014016	0.76258	0.08626	0.06252
0.01939	-0.07232	0.11862	0.075222	0.10448	0.020176	0.66365	-0.02282	0.62278
0.02612	-0.18481	5.87E-05	0.006877	0.88217	-0.02716	0.55819	-0.06923	0.13523
0.00256	0.077144	0.09589	0.115791	0.01228	0.040758	0.37951	-0.06382	0.16855
0.84529	-0.04879	0.29273	0.21287	3.47E-06	0.015741	0.7344	0.052151	0.2607
0.00304	-0.18801	4.34E-05	-0.00256	0.95602	0.020782	0.65418	-0.06095	0.18856
0.95284	-0.13172	0.00435	0.009854	0.83181	-0.01732	0.70893	0.00161	0.97232
0.62927	-0.04997	0.28121	-0.05568	0.22979	0.034815	0.45291	-0.06571	0.15629
7.25E-27	-0.61468	7.27E-50	-0.21482	2.80E-06	-0.11819	0.01058	-0.16574	0.00032
1.80E-10	-0.37353	6.55E-17	0.027159	0.55825	-0.04931	0.28762	-0.10872	0.01877
0.00462	-0.20204	1.08E-05	-0.00394	0.9323	-0.08621	0.06269	-0.17985	9.30E-05
2.18E-10	-0.53156	2.04E-35	-0.21361	3.20E-06	-0.13633	0.00316	-0.0704	0.1287
2.44E-05	-0.34101	3.52E-14	-0.12455	0.00704	-0.13649	0.00312	-0.01305	0.77848
7.11E-11	-0.38377	7.79E-18	0.024265	0.60095	-0.11415	0.01358	-0.02967	0.52245
0.00043	-0.20439	8.50E-06	0.04625	0.31861	0.042679	0.35745	-0.06493	0.16125
4.31E-12	-0.34942	7.41E-15	-0.13013	0.00485	-0.05065	0.27469	-0.03989	0.38972
0.72027	-0.07149	0.12291	-0.04899	0.29074	-0.02722	0.55733	-0.02179	0.63857
9.48E-08	-0.34265	2.60E-14	-0.11068	0.01672	-0.15949	0.00054	-0.07905	0.08793
0.57363	-0.08266	0.07432	-0.01181	0.79913	-0.01029	0.82454	-0.04317	0.35197
1.35E-12	-0.42442	7.62E-22	0.027283	0.55645	-0.06023	0.19386	-0.05128	0.26876
5.87E-06	0.086735	0.06109	-0.02936	0.52677	-0.04569	0.32452	0.026357	0.56994
0.00422	-0.16879	0.00025	-0.13274	0.00406	0.034645	0.45512	0.059844	0.19672
0.10731	-0.15379	0.00086	-0.04869	0.2937	0.033264	0.4733	-0.00877	0.85016
1.40E-05	-0.30356	2.07E-11	-0.01322	0.77562	-0.09916	0.03216	-0.08975	0.05259
2.04E-10	-0.31707	2.29E-12	-0.03373	0.46719	-0.04188	0.36648	-0.01514	0.74423
1.66E-07	-0.36077	8.41E-16	-0.01853	0.68962	-0.02741	0.55457	-0.09818	0.03391
6.80E-15	-0.37654	3.53E-17	0.005077	0.91288	-0.00743	0.87277	0.027091	0.55924
0.0598	-0.04375	0.34548	0.002317	0.96017	-0.01743	0.70713	0.021002	0.65077
0.00743	-0.20541	7.64E-06	0.080946	0.08056	0.023225	0.61664	0.062677	0.17632
0.70369	-0.16569	0.00032	-0.07371	0.11168	-0.03438	0.45862	-0.15717	0.00065
7.98E-05	-0.37123	1.05E-16	-0.15166	0.00101	-0.13877	0.00265	0.082764	0.07397
2.96E-08	-0.3205	1.29E-12	-0.01885	0.68456	-0.12958	0.00504	0.047915	0.30148
0.02006	-0.09983	0.03101	0.002171	0.96268	0.046888	0.31197	-0.02035	0.66089
0.00011	-0.24553	7.69E-08	0.075058	0.10524	-0.05282	0.25464	0.03025	0.51433
0.0344	-0.09129	0.04865	0.032285	0.48643	0.052946	0.25349	-0.17394	0.00016
0.59302	-0.09129	0.04865	0.047452	0.30617	0.03111	0.50244	0.070345	0.12902
0.48615	0.036116	0.43619	-0.00033	0.99432	0.045264	0.32905	-0.07079	0.1266
1.89E-06	-0.16377	0.00038	0.036766	0.42797	-0.00131	0.97755	-0.0285	0.53902
3.62E-18	-0.45224	6.39E-25	-0.04402	0.34258	-0.10232	0.02704	-0.10055	0.02981
0.2567	-0.02696	0.56116	-0.01572	0.7347	-0.01439	0.75649	-0.04585	0.32278
0.00637	-0.31124	6.00E-12	-0.12572	0.00652	-0.06752	0.14518	0.028646	0.5369



6.13E-20	-0.54627	1.10E-37	-0.15953	0.00054	-0.07184	0.12104	-0.06777	0.14369
6.11E-29	-0.61622	3.56E-50	-0.06964	0.1329	-0.08344	0.07162	-0.21872	1.82E-06
4.73E-05	-0.2402	1.49E-07	-0.1488	0.00126	-0.06274	0.17588	-0.14657	0.00149
0.15012	-0.13334	0.00389	-0.09069	0.05016	-0.04502	0.33171	-0.05042	0.27687
0.00148	-0.26747	4.31E-09	-0.05098	0.27157	-0.03457	0.45614	-0.07068	0.12718
0.00124	-0.21175	3.91E-06	-0.10214	0.02731	0.059597	0.19859	-0.04991	0.28174
7.53E-11	-0.37925	2.01E-17	-0.05073	0.27397	-0.11145	0.01597	-0.07884	0.08879
0.00101	-0.1222	0.0082	0.09158	0.04794	0.013684	0.76805	0.012808	0.78251
0.00023	-0.07186	0.12096	0.029671	0.52242	0.07868	0.08944	-0.02013	0.66442
9.61E-29	0.678658	2.56E-64	0.07352	0.11259	0.101576	0.02817	0.083948	0.06991
0.20245	-0.05013	0.27968	0.031998	0.49032	-0.00097	0.98338	-0.09941	0.03173
0.09394	-0.15594	0.00072	-0.00224	0.96146	0.056064	0.22656	-0.02709	0.55929
1.98E-16	-0.45684	1.86E-25	-0.09568	0.03874	-0.16628	0.00031	-0.04398	0.34292
0.01613	0.030871	0.50573	-0.03863	0.40492	0.082911	0.07345	-0.03763	0.41717
1.07E-24	-0.52822	6.46E-35	-0.00683	0.88293	-0.09283	0.04497	-0.07852	0.09008
6.43E-14	-0.45322	4.92E-25	-0.06363	0.16983	-0.02756	0.55244	0.032865	0.47863
2.48E-21	-0.53701	3.04E-36	-0.0265	0.56786	-0.05445	0.24026	-0.11128	0.01613
1.08E-06	-0.17946	9.64E-05	0.034086	0.46243	-0.0693	0.13479	-0.06912	0.13582
0.01344	-0.14395	0.00182	0.036602	0.43005	0.025246	0.58631	0.019639	0.67207
0.03378	0.114794	0.01305	0.021565	0.64205	-0.01305	0.77853	0.052141	0.26079
0.18365	-0.01256	0.78662	0.054987	0.23563	0.042806	0.35601	0.018193	0.69497
3.51E-14	-0.38416	7.17E-18	-0.02046	0.65915	0.018379	0.692	-0.08884	0.05504
0.00012	-0.24429	8.98E-08	-0.06732	0.14635	-0.04424	0.3401	-0.03876	0.40334
0.12534	0.030924	0.505	0.093594	0.04322	0.020204	0.66321	0.110412	0.01699
1.31E-08	-0.26347	7.43E-09	-0.07863	0.08964	-0.09056	0.05048	-0.02011	0.66466
0.88274	-0.02698	0.5609	-0.0583	0.20858	0.009896	0.83111	-0.08687	0.06068
1.27E-10	-0.4252	6.29E-22	-0.09296	0.04466	-0.17646	0.00013	-0.06174	0.18289
0.75273	-0.06084	0.18937	-0.0061	0.89547	-0.04203	0.36486	0.083195	0.07247
0.0002	-0.23243	3.79E-07	-0.10085	0.02932	-0.03221	0.48741	-0.1833	6.77E-05
3.03E-13	-0.47098	3.69E-27	-0.09309	0.04437	-0.21675	2.27E-06	-0.01499	0.74663
0.35706	-0.06856	0.13903	-0.07734	0.09506	-0.01987	0.66843	0.089155	0.05419
1.46E-09	-0.36225	6.29E-16	-0.07972	0.08526	-0.09292	0.04476	0.044378	0.33861
2.62E-07	0.198546	1.54E-05	-0.04098	0.37688	0.005857	0.89954	0.025716	0.57936
2.73E-08	-0.33434	1.17E-13	-0.04627	0.31836	-0.05719	0.2174	-0.1415	0.00218
0.00012	-0.25716	1.73E-08	0.076703	0.09781	0.026078	0.57403	-0.11402	0.01369
5.66E-05	-0.21016	4.63E-06	0.00599	0.89728	0.002051	0.96474	0.002137	0.96326
0.92444	-0.06829	0.14061	-0.1568	0.00067	-0.01789	0.69981	-0.00523	0.91032
0.01067	0.158403	0.00059	-0.04116	0.37487	0.047748	0.30316	0.014798	0.74977
0.0849	-0.23677	2.26E-07	0.036546	0.43075	-0.05621	0.22537	-0.10509	0.02313
0.72778	-0.01212	0.7939	-0.0365	0.43134	-0.00087	0.985	0.074372	0.10847
0.07448	-0.17184	0.00019	0.110667	0.01673	-0.03755	0.4182	-0.07892	0.08845
0.0002	-0.28589	3.10E-10	-0.11802	0.01069	-0.07275	0.1164	0.048937	0.29128
0.03442	-0.06882	0.13757	-0.02932	0.52734	0.051535	0.26638	-0.11728	0.0112
4.75E-06	0.460326	7.19E-26	0.089456	0.05338	0.198569	1.54E-05	-0.01997	0.66686
0.12061	-0.1288	0.00531	0.105795	0.02222	0.031298	0.49986	-0.02285	0.62228

2.29E-13	-0.45573	2.51E-25	-0.07027	0.12944	-0.01713	0.71194	-0.04971	0.28369
0.57779	0.014932	0.74758	0.036341	0.43334	0.081748	0.0776	-0.08583	0.06383
8.19E-07	-0.2891	1.93E-10	-0.0192	0.67892	0.006387	0.89051	-0.08222	0.0759
5.09E-30	0.66802	1.15E-61	0.049787	0.28296	0.158035	0.00061	0.264508	6.46E-09
7.74E-06	-0.16252	0.00042	-0.10586	0.02214	-0.04779	0.30273	-0.07005	0.13066
0.09813	-0.06519	0.15955	0.004401	0.92443	-0.01666	0.71953	-0.09036	0.051
2.05E-14	-0.48353	9.77E-29	-0.11945	0.00978	-0.12956	0.00504	-0.1592	0.00055
0.00943	0.077267	0.09536	-0.00459	0.92123	0.023943	0.60578	-0.02547	0.58292
3.12E-06	-0.20075	1.24E-05	-0.01502	0.74607	-0.06286	0.17507	-0.11788	0.01079
1.71E-17	0.438931	2.05E-23	0.01431	0.75776	0.018907	0.68362	-0.00775	0.86733
0.01395	-0.08635	0.06224	0.052488	0.25762	-0.01218	0.79298	0.109024	0.01844
0.00031	-0.28125	6.14E-10	-0.01547	0.73878	-0.02261	0.62607	0.083137	0.07267
0.02837	-0.12724	0.0059	-0.01084	0.81534	0.011732	0.80037	-0.09335	0.04376
5.26E-06	-0.29155	1.33E-10	-0.00518	0.91114	-0.11068	0.01673	-0.13401	0.00372
5.36E-07	-0.35103	5.47E-15	-0.0916	0.0479	-0.06737	0.14604	-0.01495	0.74728
0.00036	-0.16585	0.00032	0.050773	0.27353	0.013195	0.77611	-0.05409	0.2434
9.67E-06	-0.24741	6.07E-08	-0.04158	0.36994	-0.01501	0.74623	-0.08686	0.0607
0.2829	-0.14784	0.00136	-0.0316	0.49571	-0.06344	0.17114	0.014503	0.75459
0.20039	-0.04635	0.31752	-0.0282	0.54331	0.019349	0.67664	-0.0839	0.07007
0.64017	-0.08154	0.07835	0.006666	0.88576	-0.06444	0.16442	-0.01497	0.74694
0.00593	-0.17385	0.00016	0.01687	0.71615	0.018263	0.69384	-0.01234	0.79025
0.27016	-0.09917	0.03214	-0.06783	0.14332	0.043887	0.34398	0.029755	0.52125
4.24E-24	-0.58464	3.70E-44	-0.1077	0.01991	-0.09289	0.04481	-0.09721	0.03572
1.73E-06	-0.34174	3.08E-14	-0.1008	0.02941	-0.02371	0.60929	-0.12371	0.00744
3.74E-15	-0.42596	5.23E-22	-0.03995	0.38898	-0.04927	0.288	-0.02318	0.61737
0.01547	0.084992	0.06649	0.075777	0.10194	-0.0403	0.38486	-0.08026	0.08316
0.72752	-0.01662	0.72013	0.063806	0.16865	0.01745	0.70683	-0.02834	0.54129
1.18E-36	-0.67221	1.07E-62	-0.02522	0.58662	-0.07106	0.12518	-0.13939	0.00254
0.02951	-0.23114	4.42E-07	0.009874	0.83148	-0.02982	0.52033	0.014643	0.7523
0.47946	0.021705	0.6399	0.071904	0.12074	0.06785	0.14319	0.076047	0.10072
1.75E-08	-0.39171	1.42E-18	-0.14118	0.00223	-0.10384	0.02483	-0.05298	0.25316
0.8253	-0.08448	0.06815	0.014178	0.75992	-0.02157	0.642	0.051085	0.27058
0.19792	-0.02548	0.58277	0.044416	0.33819	0.06779	0.14355	0.099146	0.03219
0.05176	0.145648	0.0016	0.067148	0.14739	0.033565	0.46931	0.095805	0.03849
8.91E-05	0.254787	2.36E-08	0.050485	0.27626	-0.00034	0.99418	-0.08802	0.05733
0.82401	0.045828	0.32305	0.078976	0.08824	0.084968	0.06657	-0.01134	0.80696
0.11533	-0.08964	0.05289	-0.02628	0.57113	-0.01083	0.81549	0.043543	0.34779
0.00071	-0.06507	0.16033	0.071481	0.12294	0.015109	0.74469	-0.02443	0.59847
0.01337	-0.15323	0.00089	0.036086	0.43657	-0.01051	0.82076	-0.03532	0.4464
0.02056	-0.21267	3.54E-06	-0.08425	0.0689	-0.0004	0.99313	-0.0668	0.14952
0.00209	-0.16079	0.00049	-0.01605	0.72938	0.0411	0.37553	-0.13422	0.00366
1.57E-21	-0.46925	6.03E-27	-0.0262	0.57218	-0.01756	0.70514	-0.03542	0.44507
1.26E-21	-0.50183	3.71E-31	-0.05262	0.25643	-0.08756	0.05865	-0.0753	0.1041
0.10691	-0.04653	0.31573	0.090685	0.05017	0.019712	0.67092	-0.16583	0.00032
2.10E-11	-0.49735	1.50E-30	-0.08787	0.05776	-0.15743	0.00064	0.016177	0.72734

0.00296	-0.12449	0.00707	-0.13291	0.00401	-0.02812	0.54446	-0.07617	0.10015
0.04807	-0.20634	6.94E-06	0.067762	0.14371	-0.02522	0.58675	-0.04754	0.30524
0.34094	-0.09567	0.03877	0.0546	0.23894	0.035269	0.44703	-0.03892	0.40137
1.84E-21	-0.52101	7.41E-34	-0.0461	0.32013	-0.02862	0.53721	-0.04472	0.33495
7.45E-16	-0.48569	5.14E-29	-0.0753	0.1041	-0.05905	0.20271	-0.15294	0.00091
9.88E-30	-0.57478	2.06E-42	-0.02893	0.53281	-0.03963	0.39285	-0.05206	0.26151
0.00754	-0.30602	1.40E-11	-0.0452	0.3297	-0.03756	0.41802	0.021304	0.64608
3.14E-06	-0.29971	3.79E-11	-0.024	0.60492	-0.08288	0.07358	-0.13439	0.00362
6.15E-05	-0.18748	4.57E-05	0.08795	0.05754	0.028675	0.53648	0.087912	0.05765
0.00013	-0.24646	6.85E-08	-0.00086	0.9853	-0.03462	0.45542	0.038212	0.41002
0.92322	-0.12471	0.00697	0.082923	0.07341	-0.03925	0.39736	-0.06205	0.18071
0.00087	0.049218	0.28851	-0.00755	0.87066	-0.04203	0.36481	0.013433	0.77219
2.12E-20	-0.42353	9.45E-22	0.010675	0.81803	-0.03453	0.45658	-0.12801	0.0056
8.73E-07	0.065856	0.15535	0.00781	0.86632	-0.04026	0.38531	0.012207	0.79247
0.42769	-0.12653	0.00618	-0.04653	0.31573	-0.02576	0.57867	0.005979	0.89746
4.45E-19	-0.48222	1.44E-28	-0.07592	0.10128	-0.07549	0.10325	-0.05433	0.24125
2.85E-07	-0.26233	8.67E-09	0.024826	0.59255	-0.0303	0.51367	-0.01656	0.72112
5.34E-30	-0.54799	5.89E-38	-0.09214	0.04659	-0.06207	0.18058	-0.06576	0.15594
4.31E-08	-0.328	3.56E-13	-0.04098	0.3769	-0.0298	0.52067	-0.06963	0.13297
0.06479	-0.06074	0.19006	-0.0172	0.71077	0.006021	0.89675	-0.08256	0.07467
0.05461	-0.16031	0.00051	-0.02121	0.64758	0.024394	0.599	0.039529	0.39407
0.00409	-0.15492	0.00078	0.028662	0.53666	-0.03339	0.4716	0.04715	0.30927
0.00343	-0.30499	1.65E-11	-0.1288	0.00531	-0.05939	0.20011	0.027928	0.54715
0.1269	-0.02773	0.54995	-0.06151	0.18452	0.001544	0.97346	0.022117	0.63356
6.77E-09	-0.34134	3.31E-14	-0.10165	0.02806	0.056696	0.22136	-0.10037	0.0301
0.01464	-0.11377	0.01389	0.058258	0.20888	-0.04991	0.28178	-0.13288	0.00402
0.00034	0.242603	1.11E-07	-0.05249	0.25762	0.034912	0.45165	0.029472	0.52521
0.0035	-0.25503	2.28E-08	-0.07171	0.12175	-0.03065	0.50875	-0.069	0.13653
0.05662	-0.08473	0.06734	0.074465	0.10803	0.019224	0.67862	0.006952	0.88089
0.00417	0.201438	1.15E-05	-0.03047	0.51128	-0.0066	0.88693	0.062337	0.17868
0.95748	-0.02733	0.55584	0.025513	0.58235	-0.02464	0.59538	0.0271	0.55911
2.61E-08	-0.26787	4.08E-09	0.004734	0.91873	0.048011	0.30051	0.04545	0.32705
0.41995	-0.20409	8.77E-06	-0.01388	0.76477	-0.11549	0.01251	-0.1229	0.00784
0.39403	0.001322	0.97726	-0.03501	0.45037	-0.06112	0.18734	-0.14786	0.00135
0.23051	-0.08137	0.07897	-0.00094	0.98377	0.019573	0.67311	-0.10841	0.01911
7.75E-08	-0.21794	1.99E-06	-0.00057	0.99016	0.063409	0.17132	-0.18729	4.65E-05
0.66752	-0.06157	0.18411	-0.00532	0.90863	0.003022	0.94807	0.018752	0.68607
4.58E-29	-0.61381	1.08E-49	-0.10647	0.02138	-0.08218	0.07604	-0.16325	0.0004
4.97E-10	-0.33879	5.26E-14	-0.0792	0.08734	-0.216	2.46E-06	-0.00702	0.8798
1.32E-08	-0.3104	6.89E-12	-0.01884	0.68467	0.0458	0.32334	-0.06284	0.17519
0.18528	-0.04062	0.38114	-0.03697	0.42542	0.039454	0.39496	-0.02307	0.61894
0.05334	0.0488	0.29263	0.051795	0.26398	0.054179	0.24259	0.001597	0.97254
3.35E-05	-0.17191	0.00019	-0.01993	0.66754	0.027813	0.54881	0.003878	0.93339
8.26E-07	-0.2785	9.14E-10	-0.06646	0.1516	0.041085	0.3757	-0.08603	0.06323
0.00046	-0.33533	9.79E-14	-0.04596	0.32171	-0.04584	0.32287	-0.18034	8.90E-05

0.40371	-0.06447	0.16425	0.140869	0.00228	-0.04157	0.37014	-0.02786	0.54814
0.02171	0.119419	0.00979	0.004694	0.91942	0.03506	0.44973	0.092747	0.04515
1.55E-12	-0.41359	1.01E-20	-0.00214	0.96315	-0.07758	0.09403	-0.09585	0.0384
1.67E-07	-0.2854	3.34E-10	0.044328	0.33915	0.055087	0.23477	-0.02612	0.57343
0.0314	-0.17563	0.00014	0.014588	0.7532	-0.05128	0.26873	-0.07083	0.1264
0.98355	-0.02288	0.62195	0.018074	0.69686	0.012702	0.78426	-0.0088	0.84957
0.00191	-0.27327	1.92E-09	-0.01768	0.70321	-0.07284	0.11595	0.130256	0.00481
0.13442	-0.22133	1.36E-06	0.058857	0.20422	0.00315	0.94587	-0.04909	0.28979
0.02124	-0.07423	0.10917	0.040515	0.38237	-0.01557	0.73719	-0.01092	0.81388
0.46937	-0.03785	0.41452	0.001437	0.9753	0.034038	0.46306	0.051932	0.26271
4.11E-10	-0.3554	2.38E-15	-0.01441	0.75613	-0.13207	0.00425	-0.13415	0.00368
7.75E-09	-0.40359	1.01E-19	-0.20109	1.19E-05	-0.11036	0.01705	-0.09375	0.04287
3.59E-06	-0.30859	9.24E-12	0.05717	0.21752	0.021212	0.64752	-0.03423	0.46048
0.22919	0.015772	0.7339	0.01083	0.81543	0.021203	0.64765	-0.01907	0.681
0.19026	-0.13552	0.00334	-0.01093	0.8138	-0.03314	0.47491	-0.04185	0.36687
2.03E-17	-0.3944	7.86E-19	-0.07914	0.08756	-0.0349	0.45183	-0.03022	0.51474
2.25E-12	-0.39694	4.49E-19	-0.08815	0.05698	-0.04211	0.36394	-0.12176	0.00844
3.15E-10	-0.32931	2.83E-13	-0.05806	0.21041	-0.08362	0.07103	-0.06844	0.13974
0.08688	-0.02195	0.63619	0.014693	0.75148	-0.00822	0.85936	0.035307	0.44655
1.17E-07	-0.25478	2.36E-08	-0.16411	0.00037	-0.04813	0.29928	-0.15562	0.00074
0.91089	-0.14109	0.00224	-0.08196	0.07684	-0.04818	0.29883	-0.09998	0.03076
1.05E-09	-0.40843	3.35E-20	-0.03313	0.47506	-0.08936	0.05365	-0.01117	0.8097
0.87108	-0.11724	0.01123	-0.01707	0.71298	-0.05066	0.27462	-0.01957	0.67321
0.03697	0.084528	0.068	-0.07903	0.08801	0.033257	0.47339	0.042247	0.36234
0.00012	-0.21306	3.39E-06	-0.02185	0.63772	-0.02677	0.56396	-0.03516	0.4484
0.00014	-0.23885	1.76E-07	0.012958	0.78002	-0.01929	0.6775	0.105362	0.02278
5.65E-13	-0.37374	6.28E-17	-0.06837	0.14016	-0.143	0.00195	0.023564	0.61151
1.82E-11	-0.35454	2.81E-15	-0.02783	0.54854	-0.08011	0.08374	-0.09817	0.03392
0.01843	-0.03109	0.50275	0.058685	0.20556	0.08915	0.0542	0.054392	0.24074
8.99E-17	-0.40029	2.13E-19	-0.10172	0.02796	-0.10888	0.01859	-0.01852	0.68982
0.00098	0.303299	2.15E-11	-0.14287	0.00197	0.031656	0.49497	0.013008	0.7792
0.98471	-0.13627	0.00317	-0.06623	0.15299	0.021559	0.64214	0.034893	0.4519
0.00019	-0.18964	3.71E-05	-0.05087	0.2726	-0.1057	0.02234	-0.17182	0.00019
2.87E-06	-0.26409	6.83E-09	-0.0216	0.64155	-0.0253	0.5855	0.02683	0.56302
1.22E-16	-0.41015	2.25E-20	-0.0774	0.09478	-0.01402	0.76256	-0.11285	0.01469
3.90E-15	-0.39969	2.43E-19	-0.08784	0.05784	-0.05399	0.24427	-0.05772	0.21313
0.00014	-0.25303	2.96E-08	-0.10609	0.02186	-0.04845	0.29608	-0.06056	0.19143
6.41E-23	-0.48716	3.32E-29	-0.01988	0.66834	-0.01355	0.77025	-0.05179	0.26406
0.88084	-0.0473	0.30774	0.027602	0.55185	-0.00996	0.83004	0.051996	0.26212
0.28025	0.062677	0.17633	0.141701	0.00214	0.074935	0.10581	0.036624	0.42976
0.07238	-0.12821	0.00553	-0.09254	0.04565	0.033508	0.47007	-0.06027	0.19358
0.16989	-0.08261	0.07452	0.033793	0.46629	-0.02956	0.524	-0.0674	0.14589
0.52796	-0.08486	0.06691	0.092053	0.04679	-0.04779	0.30279	0.016455	0.72283
1.97E-07	-0.39496	6.95E-19	-0.07803	0.09215	-0.07923	0.0872	-0.0675	0.14527
3.08E-07	-0.28149	5.93E-10	-0.15597	0.00072	-0.00647	0.88913	-0.10149	0.0283

0.7182	-0.13444	0.00361	0.046678	0.31414	0.037661	0.4168	-0.03629	0.43398
0.84112	-0.02151	0.64286	-0.02793	0.54716	-0.02473	0.59397	-0.01063	0.81877
0.00567	-0.04687	0.31218	-0.18346	6.67E-05	-0.10112	0.02889	-0.06733	0.14627
0.18198	-0.10129	0.02862	0.055493	0.23134	-0.02243	0.62879	-0.11641	0.01182
1.33E-17	-0.41702	4.50E-21	0.021728	0.63954	-0.01255	0.78677	0.081267	0.07937
2.41E-06	-0.38992	2.09E-18	-0.08374	0.07062	-0.13464	0.00356	-0.07475	0.10668
1.22E-25	-0.62747	1.74E-52	-0.13996	0.00243	-0.08687	0.06069	-0.07194	0.12054
0.1249	-0.19942	1.41E-05	0.032442	0.48431	-0.07216	0.11942	-0.02193	0.63635
0.5259	-0.12322	0.00768	0.00144	0.97524	-0.01715	0.71163	0.060199	0.19408
0.01101	0.23851	1.83E-07	-0.05908	0.20252	0.019088	0.68076	0.000798	0.98628
3.17E-08	-0.34367	2.16E-14	0.032651	0.4815	-0.09898	0.03248	-0.00994	0.83037
0.07292	-0.19324	2.62E-05	0.048557	0.29504	0.001473	0.97468	0.09269	0.04528
0.86431	0.078993	0.08817	0.046399	0.31705	0.042781	0.35629	0.032032	0.48985
1.98E-05	-0.17672	0.00012	-0.01741	0.70749	0.007948	0.86399	0.026913	0.56182
0.00026	-0.19592	2.01E-05	0.003347	0.94249	-0.00151	0.97404	-0.09831	0.03367
0.01518	-0.11609	0.01206	-0.01748	0.70629	0.024592	0.59605	-0.01153	0.80382
0.46793	-0.07187	0.12089	0.048037	0.30024	0.066794	0.14953	-0.10975	0.01766
6.83E-12	-0.42168	1.48E-21	-0.05592	0.22774	-0.05102	0.27116	-0.0584	0.20774
0.00186	0.069596	0.13315	0.030308	0.51352	0.084537	0.06797	0.100149	0.03047
1.00E-23	-0.57771	6.32E-43	-0.06434	0.16512	-0.10284	0.02626	-0.15801	0.00061
3.25E-05	-0.23192	4.03E-07	-0.13503	0.00346	0.03203	0.48988	-0.12014	0.00936
1.18E-15	-0.35181	4.72E-15	-0.10052	0.02986	0.000551	0.99053	-0.09942	0.03171
0.67886	-0.07342	0.1131	0.029104	0.5304	-0.0788	0.08895	0.049415	0.28658
1.59E-08	-0.255	2.29E-08	-0.02013	0.66442	0.029824	0.52028	-0.04513	0.33049
0.03198	-0.1882	4.26E-05	-0.02114	0.64856	-0.04344	0.34895	0.018295	0.69334
7.82E-10	-0.37021	1.29E-16	-0.13403	0.00371	-0.15487	0.00078	-0.19342	2.57E-05
8.94E-16	-0.42682	4.24E-22	-0.02566	0.58012	-0.08868	0.05549	-0.08337	0.07187
0.103	-0.03095	0.50458	-0.04295	0.35441	-0.09716	0.03582	-0.25378	2.68E-08
0.86005	0.007329	0.87448	-0.12938	0.00511	0.052469	0.2578	-0.07141	0.1233
1.52E-25	-0.46641	1.34E-26	-0.08106	0.08012	-0.00942	0.83914	-0.02899	0.53196
6.85E-39	-0.62959	6.22E-53	-0.05579	0.22881	-0.02204	0.6348	-0.13217	0.00422
1.94E-10	-0.41005	2.30E-20	-0.05977	0.19728	-0.07169	0.12184	-0.05943	0.19981
0.00676	-0.15874	0.00058	0.035618	0.44255	0.013461	0.77171	0.06174	0.18289
0.30054	-0.08131	0.07921	-0.07597	0.10108	0.036442	0.43206	-0.07922	0.08725
0.00312	-0.22327	1.10E-06	-0.06792	0.14278	-0.00054	0.9907	-0.08017	0.08352
0.36445	0.036091	0.43652	0.074658	0.10712	0.066791	0.14956	0.048151	0.2991
0.01686	-0.22658	7.50E-07	-0.02579	0.57825	0.011671	0.80139	0.03831	0.40882
8.96E-06	-0.31716	2.26E-12	-0.11301	0.01454	-0.08379	0.07043	-0.0629	0.17481
0.32696	-0.04796	0.30098	0.021513	0.64285	0.03439	0.45846	-0.0348	0.45305
9.87E-10	-0.39006	2.03E-18	-0.10774	0.01987	-0.10871	0.01878	-0.12732	0.00587
0.40583	-0.15395	0.00084	0.108279	0.01926	-0.02945	0.52558	0.046527	0.31571
0.16933	0.070432	0.12855	0.049596	0.28482	-0.04077	0.37935	-0.04234	0.36132
1.36E-11	-0.3221	9.83E-13	-0.03503	0.4501	-0.146	0.00156	-0.08313	0.0727
0.08859	-0.16399	0.00037	0.068839	0.13744	0.009609	0.83594	0.141858	0.00212
0.29354	0.026548	0.56714	-0.07321	0.11412	0.068376	0.14011	0.000587	0.9899

1.16E-06	-0.27031	2.91E-09	-0.09231	0.04617	-0.01668	0.71914	-0.22394	1.01E-06
2.84E-11	-0.37486	5.00E-17	-0.05503	0.23523	-0.06406	0.16693	-0.01129	0.80772
0.03051	-0.17309	0.00017	-0.14886	0.00125	0.043848	0.34442	0.005873	0.89927
1.24E-09	-0.30652	1.29E-11	-0.00755	0.87076	-0.00222	0.96188	-0.14053	0.00234
0.16453	-0.25273	3.08E-08	-0.05823	0.20909	-0.15539	0.00075	-0.04538	0.32783
0.07754	-0.211	4.23E-06	-0.02463	0.59547	-0.03946	0.39492	0.042215	0.3627
0.03197	0.055717	0.22945	-0.0727	0.11667	0.035388	0.4455	0.11321	0.01437
0.66235	0.011938	0.79694	0.016532	0.72159	-0.01371	0.76757	0.055799	0.22877
0.02758	-0.19076	3.33E-05	0.025855	0.57731	0.008398	0.85637	-0.02471	0.59423
9.04E-08	-0.24349	9.92E-08	-0.09128	0.04869	-0.04267	0.35755	-0.17082	0.00021
0.01304	0.001062	0.98173	-0.05179	0.26404	-0.05811	0.21002	0.180015	9.16E-05
7.97E-19	-0.42189	1.40E-21	-0.0444	0.33834	-0.09596	0.03817	-0.1909	3.29E-05
0.00502	-0.10839	0.01914	0.003807	0.93461	0.043249	0.35106	0.042433	0.36023
1.49E-07	-0.34577	1.47E-14	0.013156	0.77675	-0.05971	0.19777	-0.03734	0.42082
1.82E-11	-0.4735	1.80E-27	-0.093	0.04457	-0.06386	0.16826	-0.06743	0.14569
7.36E-12	-0.37375	6.27E-17	-0.12781	0.00567	-0.13992	0.00244	-0.18536	5.58E-05
0.07058	-0.04649	0.31615	-0.10648	0.02137	-0.01038	0.82303	0.064197	0.16605
0.00024	-0.11693	0.01144	0.00111	0.98092	0.070552	0.12789	0.007455	0.87235
0.03484	-0.13717	0.00297	-0.08642	0.06204	-0.0159	0.73181	-0.0458	0.32331
0.71642	-0.05694	0.21934	0.017517	0.70576	-0.05761	0.21401	-0.01978	0.66981
7.63E-20	-0.49775	1.32E-30	-0.05712	0.2179	-0.144	0.00181	-0.07002	0.13082
0.14994	0.001863	0.96798	-0.07127	0.12404	0.01949	0.67442	-0.07643	0.09901
0.58686	0.046343	0.31763	-0.00582	0.90016	0.043426	0.34908	0.000632	0.98913
0.24831	-0.06537	0.15841	-0.01404	0.76224	-0.06063	0.19088	-0.03542	0.44509
4.52E-07	-0.22524	8.75E-07	-0.03102	0.50366	0.017583	0.7047	0.016404	0.72367
1.59E-12	0.371627	9.67E-17	0.023971	0.60536	-0.00239	0.95899	0.031555	0.49634
0.00926	0.055303	0.23294	0.151536	0.00102	0.021012	0.65061	0.158902	0.00057
1.14E-08	-0.38493	6.08E-18	-0.10625	0.02166	-0.10522	0.02296	-0.06699	0.14835
0.56141	-0.05479	0.23729	0.029136	0.52996	0.029953	0.51847	-0.0163	0.72531
0.00012	-0.16974	0.00023	0.069567	0.13332	0.025433	0.58354	0.023515	0.61224
0.05966	-0.08286	0.07363	-0.00691	0.88166	-0.03344	0.47101	-0.16277	0.00041
8.95E-12	-0.42294	1.09E-21	-0.0664	0.15197	-0.03922	0.39777	-0.00203	0.96517
3.59E-11	-0.43015	1.87E-22	-0.03632	0.43362	-0.09289	0.04481	-0.08243	0.07516
0.00402	0.220435	1.51E-06	0.208325	5.63E-06	0.227723	6.58E-07	0.350548	5.99E-15
2.14E-08	0.29689	5.88E-11	0.279993	7.36E-10	0.104084	0.02449	0.499918	6.75E-31
0.09438	0.069722	0.13245	0.025644	0.58042	-0.01512	0.74447	0.249024	4.95E-08
7.24E-06	0.266612	4.85E-09	0.076998	0.09652	0.006791	0.88364	0.32884	3.08E-13
0.03996	0.117127	0.01131	0.115449	0.01254	0.098646	0.03307	0.159062	0.00056
2.02E-08	0.31115	6.09E-12	0.143579	0.00187	0.116363	0.01185	0.5951	4.45E-46
3.04E-09	0.313658	4.04E-12	0.144532	0.00174	0.143163	0.00193	0.531832	1.86E-35
0.74606	0.061654	0.1835	0.146142	0.00154	0.22377	1.04E-06	0.299959	3.65E-11
0.09444	0.095868	0.03836	0.248427	5.34E-08	0.102868	0.02622	0.340449	3.89E-14
0.98792	0.085464	0.06499	0.176513	0.00013	0.207892	5.89E-06	0.324116	6.96E-13
1.76E-07	0.308932	8.74E-12	0.150084	0.00114	0.155591	0.00074	0.457166	1.70E-25
1.28E-09	0.330268	2.40E-13	0.127338	0.00586	0.140448	0.00235	0.48158	1.74E-28

0.00429	0.201487	1.15E-05	0.058876	0.20408	0.035277	0.44693	0.215093	2.72E-06
4.04E-09	0.28903	1.95E-10	0.063676	0.16952	0.096641	0.03682	0.318646	1.76E-12
0.03162	0.143155	0.00193	0.021601	0.64151	0.000209	0.99641	0.198368	1.57E-05
2.21E-08	0.333303	1.40E-13	0.153732	0.00086	0.138025	0.0028	0.601741	2.47E-47
2.17E-10	0.430487	1.72E-22	0.199487	1.40E-05	0.199425	1.41E-05	0.467971	8.64E-27
5.97E-05	0.242092	1.18E-07	0.172301	0.00018	0.181981	7.65E-05	0.484623	7.07E-29
6.34E-09	0.314807	3.34E-12	0.120671	0.00905	0.088597	0.05572	0.368598	1.78E-16
2.30E-07	0.32087	1.21E-12	0.157142	0.00065	0.14379	0.00184	0.56472	1.08E-40
6.33E-11	0.35421	2.99E-15	0.14155	0.00217	0.132134	0.00423	0.587375	1.18E-44
1.43E-05	0.238383	1.86E-07	0.152356	0.00096	0.078815	0.08889	0.429423	2.23E-22
0.00053	0.199327	1.43E-05	0.080495	0.08227	0.075883	0.10146	0.284995	3.54E-10
0.03206	0.149741	0.00117	0.117769	0.01086	0.101059	0.02899	0.363983	4.47E-16
1.44E-05	0.234697	2.90E-07	0.061712	0.18309	0.10683	0.02094	0.421231	1.65E-21
1.39E-07	0.260657	1.09E-08	0.127294	0.00587	0.113881	0.0138	0.459395	9.27E-26
3.83E-10	0.347197	1.12E-14	0.129673	0.00501	0.13206	0.00425	0.552951	9.44E-39
1.21E-06	0.293286	1.02E-10	0.120731	0.00901	0.103219	0.02571	0.497365	1.49E-30
0.06138	0.142079	0.00209	0.040545	0.38201	0.028979	0.53218	0.278313	9.38E-10
2.94E-10	0.344562	1.83E-14	0.168273	0.00026	0.105556	0.02253	0.534044	8.62E-36
5.62E-10	0.351686	4.83E-15	0.135494	0.00335	0.127099	0.00595	0.566737	4.94E-41
1.74E-08	0.336531	7.89E-14	0.215372	2.64E-06	0.031629	0.49533	0.298218	4.78E-11
3.92E-12	0.382661	9.84E-18	0.108569	0.01893	0.073861	0.11092	0.388292	2.96E-18
3.37E-10	0.341578	3.17E-14	0.044408	0.33829	0.058358	0.2081	0.428965	2.50E-22
0.03526	0.171757	0.00019	0.145338	0.00164	0.196945	1.81E-05	0.301248	2.98E-11
3.21E-06	0.292402	1.17E-10	0.099203	0.03209	0.099336	0.03185	0.273315	1.91E-09
1.36E-17	0.556433	2.56E-39	0.126032	0.00639	0.197685	1.68E-05	0.48657	3.96E-29
4.35E-11	0.371997	8.96E-17	0.149491	0.00119	0.132978	0.00399	0.596884	2.06E-46
7.91E-08	0.288889	1.99E-10	0.128565	0.0054	0.11135	0.01607	0.447976	1.97E-24
0.00135	0.204914	8.05E-06	0.123545	0.00752	0.065767	0.15591	0.387063	3.86E-18
2.49E-21	0.442595	8.02E-24	0.149754	0.00117	0.120803	0.00897	0.562405	2.64E-40
0.00039	0.220199	1.55E-06	0.172806	0.00017	0.175464	0.00014	0.451532	7.71E-25
8.54E-09	0.310552	6.72E-12	0.113814	0.01386	0.178117	0.00011	0.319213	1.60E-12
5.64E-08	0.347302	1.10E-14	0.122928	0.00783	0.08061	0.08183	0.55111	1.87E-38
2.61E-05	0.257777	1.59E-08	0.130287	0.0048	0.15742	0.00064	0.332433	1.64E-13
1.32E-16	0.459482	9.06E-26	0.152864	0.00092	0.127296	0.00587	0.370379	1.24E-16
2.28E-18	0.443105	7.03E-24	0.113993	0.01371	0.118607	0.01031	0.411081	1.81E-20
0.00172	0.117005	0.01139	-0.03612	0.43619	-0.05508	0.23486	0.269532	3.24E-09
5.98E-05	0.224793	9.21E-07	0.107496	0.02015	0.099204	0.03208	0.372647	7.85E-17
0.05764	0.13466	0.00355	0.171564	0.0002	0.143959	0.00182	0.306628	1.27E-11
3.77E-10	0.400749	1.92E-19	0.262721	8.22E-09	0.286265	2.94E-10	0.375766	4.14E-17
2.58E-06	0.311486	5.77E-12	0.190541	3.40E-05	0.183518	6.63E-05	0.519231	1.34E-33
1.03E-08	0.213909	3.10E-06	0.066023	0.1543	-0.00173	0.97027	0.345265	1.61E-14
1.92E-06	0.292909	1.08E-10	0.182342	7.40E-05	0.166531	0.0003	0.527886	7.25E-35
1.46E-08	0.260389	1.12E-08	0.050053	0.28039	0.090303	0.05115	0.393483	9.61E-19
0.00417	0.169736	0.00023	0.192475	2.82E-05	0.20262	1.02E-05	0.355514	2.33E-15
0.00281	0.174991	0.00014	0.129964	0.00491	0.0979	0.03443	0.304029	1.92E-11

0.18828	0.025155	0.58766	0.035528	0.44371	0.015976	0.73059	0.271191	2.57E-09
0.0112	0.170534	0.00021	0.216824	2.25E-06	0.052344	0.25894	0.204292	8.59E-06
0.00063	0.204459	8.44E-06	0.064801	0.16209	0.060696	0.19042	0.216031	2.46E-06
2.93E-11	0.365604	3.24E-16	0.121678	0.00848	0.024972	0.59038	0.164872	0.00035
2.89E-08	0.381187	1.34E-17	0.188687	4.07E-05	0.164503	0.00036	0.381187	1.34E-17
4.78E-11	0.400438	2.06E-19	0.14549	0.00162	0.15372	0.00086	0.467344	1.03E-26
4.56E-05	0.242431	1.13E-07	0.192423	2.84E-05	0.189173	3.88E-05	0.497279	1.53E-30
1.25E-09	0.320883	1.21E-12	0.093078	0.04439	0.103046	0.02596	0.356679	1.86E-15
2.41E-08	0.315321	3.07E-12	0.113011	0.01455	0.150912	0.00107	0.352387	4.23E-15
1.61E-07	0.293575	9.78E-11	0.143148	0.00193	0.129241	0.00516	0.518111	1.95E-33
1.03E-12	0.367742	2.12E-16	0.05434	0.24119	0.085352	0.06535	0.385069	5.91E-18
1.63E-05	0.236777	2.26E-07	0.106512	0.02133	0.085222	0.06576	0.396601	4.84E-19
7.03E-07	0.294704	8.23E-11	0.132822	0.00404	0.093438	0.04357	0.544839	1.85E-37
0.00362	0.154818	0.00079	0.048309	0.29752	0.028426	0.54003	0.188604	4.10E-05
2.91E-05	0.253673	2.72E-08	0.080298	0.08302	0.164004	0.00037	0.303677	2.03E-11
1.17E-07	0.324236	6.82E-13	0.129508	0.00506	0.137084	0.00299	0.592971	1.11E-45
5.02E-06	0.271096	2.61E-09	0.088626	0.05564	0.103361	0.02551	0.411315	1.72E-20
1.69E-08	0.307488	1.10E-11	0.13565	0.00331	0.119249	0.0099	0.474411	1.39E-27
0.0299	0.136487	0.00312	0.112113	0.01535	0.070188	0.12988	0.198005	1.63E-05
1.61E-11	0.375689	4.21E-17	0.154761	0.00079	0.164972	0.00034	0.565981	6.63E-41
0.05981	0.149473	0.0012	0.132396	0.00416	0.121775	0.00843	0.195584	2.08E-05
1.32E-12	0.440226	1.47E-23	0.166568	0.0003	0.136292	0.00317	0.415133	7.02E-21
1.67E-08	0.256471	1.89E-08	0.140889	0.00228	0.124146	0.00723	0.4064	5.33E-20
0.64247	-0.10318	0.02576	-0.00804	0.86248	-0.02237	0.62975	0.142538	0.00202
1.96E-08	0.309044	8.58E-12	0.109217	0.01823	0.126814	0.00607	0.357966	1.45E-15
0.1451	0.190599	3.38E-05	0.115726	0.01233	0.130945	0.00459	0.190479	3.42E-05
6.19E-17	0.479061	3.62E-28	0.196907	1.82E-05	0.177885	0.00011	0.564353	1.25E-40
7.36E-18	0.482234	1.43E-28	0.188242	4.25E-05	0.134218	0.00366	0.575667	1.44E-42
6.06E-15	0.432153	1.13E-22	0.193865	2.46E-05	0.138695	0.00267	0.613793	1.09E-49
0.02849	0.099471	0.03162	0.555502	3.64E-39	0.076508	0.09867	0.184153	6.25E-05
5.93E-10	0.389889	2.10E-18	0.167518	0.00028	0.174326	0.00015	0.463713	2.83E-26
3.82E-09	0.40703	4.62E-20	0.181417	8.06E-05	0.233979	3.16E-07	0.519348	1.29E-33
0.02677	0.151094	0.00106	0.097936	0.03436	0.047961	0.30102	0.236547	2.32E-07
1.14E-14	0.446175	3.16E-24	0.156392	0.0007	0.155409	0.00075	0.40546	6.61E-20
7.01E-33	0.644873	2.97E-56	0.055134	0.23438	0.114057	0.01365	0.320645	1.26E-12
0.00017	0.257119	1.73E-08	0.153796	0.00085	0.397964	3.58E-19	0.301892	2.69E-11
6.12E-07	0.271835	2.35E-09	0.1293	0.00513	0.112466	0.01503	0.311453	5.80E-12
0.00053	0.246055	7.20E-08	0.104885	0.0234	0.104058	0.02453	0.217017	2.20E-06
0.04392	0.095658	0.03879	0.034413	0.45815	-0.03674	0.42828	0.330318	2.38E-13
4.00E-08	-0.27756	1.05E-09	-0.11441	0.01336	-0.08286	0.07363	-0.33338	1.39E-13
1.47E-12	0.408396	3.37E-20	0.139513	0.00251	0.148784	0.00126	0.431477	1.34E-22
4.56E-16	0.410262	2.19E-20	0.179004	0.0001	0.217467	2.10E-06	0.297506	5.34E-11
0.43451	0.131425	0.00444	0.060988	0.18829	0.068337	0.14034	0.05312	0.25193
0.0001	0.193247	2.62E-05	0.103577	0.0252	0.153527	0.00087	0.42693	4.13E-22
0.00642	0.238681	1.79E-07	0.168191	0.00026	0.096722	0.03666	0.255496	2.15E-08



0.00026	0.242758	1.09E-07	0.185057	5.74E-05	0.21311	3.38E-06	0.381692	1.21E-17
0.8255	0.069312	0.13475	0.137573	0.00289	0.187968	4.36E-05	0.303302	2.15E-11
0.00445	0.216559	2.32E-06	0.122122	0.00824	0.164357	0.00036	0.417985	3.58E-21
6.84E-15	0.484508	7.31E-29	0.109022	0.01844	0.2483	5.42E-08	0.323009	8.41E-13
6.51E-07	0.251029	3.83E-08	0.118113	0.01063	0.109154	0.0183	0.312467	4.91E-12
4.72E-13	0.457277	1.65E-25	0.157108	0.00066	0.131553	0.0044	0.272759	2.07E-09
2.47E-06	0.309134	8.46E-12	0.076327	0.09947	0.109018	0.01844	0.245286	7.93E-08
0.00224	-0.12071	0.00903	0.094436	0.04136	-0.13621	0.00318	-0.23148	4.24E-07
4.18E-07	0.31819	1.90E-12	0.121777	0.00843	0.095002	0.04016	0.47706	6.48E-28
0.04379	0.18767	4.48E-05	0.107927	0.01965	0.122724	0.00793	0.419627	2.42E-21
2.94E-10	0.350307	6.27E-15	0.196356	1.92E-05	0.198158	1.61E-05	0.512711	1.15E-32
2.76E-09	0.344777	1.76E-14	0.171139	0.0002	0.158081	0.00061	0.563004	2.10E-40
1.29E-05	0.300896	3.15E-11	0.130478	0.00474	0.093454	0.04353	0.326592	4.55E-13
1.15E-07	0.294238	8.84E-11	0.222142	1.24E-06	0.230957	4.51E-07	0.528526	5.82E-35
4.74E-12	0.34814	9.42E-15	0.109329	0.01811	0.153435	0.00088	0.337443	6.70E-14
0.00971	0.195558	2.08E-05	0.159234	0.00055	0.160181	0.00051	0.29373	9.55E-11
9.50E-15	0.393597	9.37E-19	0.102829	0.02628	0.145699	0.00159	0.442019	9.30E-24
1.24E-14	-0.3163	2.61E-12	-0.10669	0.02111	-0.07927	0.08707	-0.41614	5.54E-21
1.54E-09	0.321634	1.06E-12	0.164583	0.00035	0.16184	0.00045	0.480391	2.46E-28
3.71E-11	0.346325	1.32E-14	0.117307	0.01118	0.149524	0.00119	0.385473	5.42E-18
0.00062	0.137712	0.00286	0.269405	3.30E-09	0.110161	0.01724	0.304775	1.70E-11
9.42E-06	0.285716	3.19E-10	0.121779	0.00843	0.111337	0.01608	0.413701	9.83E-21
6.10E-05	0.289332	1.86E-10	0.122045	0.00829	0.166861	0.00029	0.217974	1.98E-06
1.41E-07	0.324293	6.75E-13	0.208806	5.35E-06	0.205327	7.71E-06	0.49875	9.71E-31
2.68E-07	0.243545	9.85E-08	0.165525	0.00033	0.171735	0.00019	0.389627	2.22E-18
0.57232	0.030877	0.50565	0.081588	0.07818	0.218512	1.87E-06	0.259862	1.21E-08
3.00E-05	0.189801	3.66E-05	0.188759	4.04E-05	0.11615	0.01201	0.379212	2.03E-17
1.18E-05	0.259357	1.29E-08	0.203833	9.01E-06	0.274759	1.56E-09	0.377555	2.86E-17
4.17E-10	0.364723	3.86E-16	0.113849	0.01383	0.122876	0.00785	0.48793	2.64E-29
0.00044	0.210459	4.49E-06	0.228764	5.83E-07	0.072765	0.11634	0.28396	4.13E-10
1.05E-09	0.35449	2.83E-15	0.146579	0.00149	0.122229	0.00819	0.595897	3.16E-46
2.33E-10	0.347329	1.10E-14	0.115663	0.01238	0.092602	0.04549	0.336685	7.68E-14
8.54E-07	0.317381	2.18E-12	0.143271	0.00191	0.186399	5.06E-05	0.440939	1.23E-23
3.05E-06	0.307539	1.09E-11	0.060603	0.1911	0.079408	0.0865	0.366024	2.98E-16
6.21E-10	0.375617	4.27E-17	0.110289	0.01711	0.151556	0.00102	0.419205	2.67E-21
2.10E-09	0.347113	1.14E-14	0.249509	4.65E-08	0.178206	0.00011	0.467504	9.84E-27
1.47E-05	0.242927	1.06E-07	0.122506	0.00804	0.11399	0.01371	0.337276	6.91E-14
1.12E-05	0.287486	2.45E-10	0.098416	0.03348	0.074779	0.10655	0.3989	2.90E-19
0.08476	0.092147	0.04657	0.059302	0.20082	0.067519	0.14516	0.359283	1.12E-15
2.39E-24	0.501494	4.12E-31	0.224513	9.51E-07	0.213237	3.33E-06	0.28006	7.29E-10
2.04E-13	0.377312	3.01E-17	0.135036	0.00346	0.107063	0.02066	0.403939	9.34E-20
1.10E-06	0.297319	5.50E-11	0.193556	2.54E-05	0.200305	1.29E-05	0.544617	2.01E-37
1.51E-09	0.356851	1.80E-15	0.165774	0.00032	0.141038	0.00225	0.447744	2.10E-24
3.07E-07	0.302126	2.59E-11	0.118907	0.01012	0.105441	0.02268	0.315173	3.14E-12
9.24E-06	0.273252	1.93E-09	0.128505	0.00542	0.106654	0.02115	0.496639	1.87E-30

1.09E-09	0.349261	7.63E-15	0.128708	0.00534	0.104681	0.02368	0.5356	5.00E-36
4.82E-07	0.266108	5.19E-09	0.094309	0.04164	0.072007	0.1202	0.321521	1.08E-12
0.00189	0.172123	0.00019	0.057873	0.2119	0.041988	0.36529	0.199622	1.39E-05
0.86475	-0.12961	0.00503	-0.01627	0.72589	-0.12782	0.00567	-0.1551	0.00077
0.00015	0.170428	0.00022	0.080584	0.08193	0.076934	0.0968	0.356554	1.91E-15
1.65E-07	0.327126	4.15E-13	0.179395	9.70E-05	0.199394	1.42E-05	0.416117	5.57E-21
1.08E-18	0.465005	1.98E-26	0.199773	1.36E-05	0.157929	0.00061	0.377538	2.87E-17
7.38E-09	0.333764	1.29E-13	0.137593	0.00289	0.114502	0.01329	0.400373	2.09E-19
1.22E-05	0.247859	5.74E-08	0.096964	0.03619	0.126399	0.00624	0.372035	8.90E-17
2.88E-06	0.356333	1.99E-15	0.113617	0.01402	0.068187	0.14121	0.182834	7.07E-05
1.08E-06	0.310006	7.34E-12	0.100389	0.03008	0.175604	0.00014	0.408682	3.16E-20
2.02E-09	0.324117	6.96E-13	0.133244	0.00392	0.116564	0.01171	0.463468	3.03E-26
8.37E-10	0.43107	1.49E-22	0.223998	1.01E-06	0.200462	1.27E-05	0.44293	7.35E-24
1.47E-08	0.373432	6.69E-17	0.048855	0.29208	0.220324	1.53E-06	0.280027	7.33E-10
1.78E-09	0.372187	8.63E-17	0.210352	4.54E-06	0.200658	1.25E-05	0.409047	2.90E-20
6.96E-10	0.239011	1.72E-07	0.123583	0.0075	0.086753	0.06103	0.434132	6.91E-23
2.19E-05	0.242707	1.09E-07	0.170781	0.00021	0.105806	0.02221	0.392975	1.07E-18
1.79E-06	0.291533	1.33E-10	0.397099	4.33E-19	0.377319	3.01E-17	0.430057	1.91E-22
0.28973	-0.05924	0.20127	0.01972	0.6708	-0.05069	0.27427	-0.1072	0.0205
0.00144	0.199433	1.41E-05	0.109517	0.01791	0.088734	0.05534	0.261214	1.01E-08
1.85E-20	0.481549	1.75E-28	0.171885	0.00019	0.110443	0.01696	0.466711	1.23E-26
1.85E-10	0.381189	1.34E-17	0.144956	0.00169	0.143718	0.00185	0.451489	7.80E-25
6.58E-11	0.317048	2.30E-12	0.191492	3.10E-05	0.15062	0.0011	0.506534	8.38E-32
9.24E-09	-0.24418	9.11E-08	-0.0234	0.61405	-0.0713	0.12387	-0.20157	1.14E-05
0.00015	0.225089	8.91E-07	0.124302	0.00716	0.136499	0.00312	0.389681	2.20E-18
4.03E-08	0.306301	1.34E-11	0.100869	0.02929	0.098141	0.03398	0.245375	7.84E-08
4.34E-07	0.290413	1.58E-10	0.252354	3.23E-08	0.115055	0.01285	0.34125	3.36E-14
3.44E-05	0.269394	3.30E-09	0.125148	0.00677	0.142919	0.00196	0.348642	8.57E-15
0.00245	0.22119	1.39E-06	0.07275	0.11642	0.048738	0.29325	0.314609	3.45E-12
0.30716	0.077572	0.09406	0.050374	0.27732	0.040346	0.38436	0.251157	3.77E-08
0.04254	0.11272	0.0148	0.199381	1.42E-05	0.166924	0.00029	0.300961	3.12E-11
0.00128	0.240737	1.39E-07	0.117016	0.01139	0.088702	0.05543	0.137944	0.00281
2.04E-05	0.282478	5.13E-10	0.329273	2.85E-13	0.162319	0.00043	0.295222	7.60E-11
0.8057	0.048707	0.29355	0.107269	0.02042	0.102011	0.0275	0.097403	0.03536
3.47E-11	0.356478	1.94E-15	0.191466	3.11E-05	0.160082	0.00052	0.529764	3.80E-35
0.00073	0.207097	6.41E-06	0.15169	0.00101	0.173739	0.00016	0.326132	4.92E-13
0.6365	0.013573	0.76988	0.111296	0.01612	0.072972	0.1153	0.289621	1.78E-10
0.01476	0.102479	0.0268	0.054505	0.23976	0.04355	0.34771	0.131042	0.00456
0.02092	0.168685	0.00025	0.083559	0.07122	0.091832	0.04732	0.299476	3.93E-11
4.44E-07	0.31248	4.90E-12	0.142669	0.002	0.148988	0.00124	0.467883	8.85E-27
0.01826	-0.17734	0.00012	-0.05004	0.28051	-0.06739	0.14592	-0.27162	2.42E-09
1.53E-07	0.338989	5.07E-14	0.09657	0.03696	0.167593	0.00028	0.259523	1.26E-08
1.62E-05	0.294122	8.99E-11	0.285785	3.15E-10	0.106987	0.02075	0.172017	0.00019
0.19614	-0.0938	0.04277	0.009651	0.83522	-0.14209	0.00208	-0.19799	1.63E-05
0.01561	0.171682	0.00019	0.094123	0.04204	0.051165	0.26983	0.209174	5.15E-06

7.92E-06	-0.27373	1.80E-09	0.021167	0.64821	0.016579	0.72084	-0.24728	6.17E-08
1.25E-07	0.303647	2.04E-11	0.153778	0.00086	0.132991	0.00399	0.489714	1.54E-29
0.45577	0.083835	0.07029	0.238762	1.77E-07	0.07133	0.12373	0.190098	3.55E-05
5.22E-05	0.26264	8.32E-09	0.122106	0.00825	0.125485	0.00662	0.352345	4.26E-15
0.38586	0.136996	0.00301	0.085706	0.06423	0.167118	0.00029	0.270318	2.91E-09
0.00037	0.24257	1.11E-07	0.144596	0.00173	0.104738	0.0236	0.396782	4.65E-19
3.34E-12	0.404979	7.38E-20	0.089219	0.05402	0.141852	0.00212	0.254362	2.49E-08
1.04E-08	0.313187	4.36E-12	0.164641	0.00035	0.128441	0.00544	0.609577	7.48E-49
6.41E-15	0.459451	9.13E-26	0.124465	0.00708	0.120178	0.00934	0.350033	6.60E-15
4.79E-10	0.357105	1.71E-15	0.119416	0.0098	0.090452	0.05077	0.514925	5.56E-33
0.51384	0.060086	0.19492	0.06897	0.13669	0.102337	0.02701	0.224697	9.31E-07
8.04E-09	0.315362	3.05E-12	0.137453	0.00291	0.125806	0.00648	0.449242	1.41E-24
8.56E-07	-0.18786	4.40E-05	-0.09508	0.03999	-0.08786	0.0578	-0.35721	1.68E-15
0.69889	0.069686	0.13265	0.09263	0.04543	0.129012	0.00524	0.290725	1.51E-10
3.96E-08	0.28093	6.43E-10	0.14973	0.00117	0.145414	0.00163	0.386414	4.43E-18
0.08408	0.088978	0.05467	0.170281	0.00022	0.163349	0.00039	0.23566	2.58E-07
0.00025	0.21358	3.21E-06	0.088412	0.05623	0.082602	0.07454	0.328559	3.23E-13
6.57E-06	0.258166	1.51E-08	0.140388	0.00236	0.092329	0.04613	0.329404	2.79E-13
2.49E-10	0.342073	2.89E-14	0.069096	0.13597	0.129596	0.00503	0.212322	3.68E-06
2.15E-06	0.248102	5.56E-08	0.073956	0.11047	0.060169	0.19431	0.410428	2.11E-20
5.44E-09	0.308151	9.92E-12	0.218107	1.95E-06	0.088666	0.05553	0.317549	2.12E-12
0.01519	0.199304	1.43E-05	0.206539	6.80E-06	0.208708	5.41E-06	0.308262	9.74E-12
1.22E-11	0.346736	1.22E-14	0.114931	0.01295	0.07168	0.1219	0.32962	2.69E-13
1.46E-06	0.289084	1.93E-10	0.098862	0.03269	0.081796	0.07742	0.510736	2.17E-32
0.00127	0.2219	1.28E-06	0.132456	0.00414	0.121013	0.00885	0.434638	6.09E-23
0.28238	0.074421	0.10824	0.035566	0.44322	0.02026	0.66233	0.150832	0.00108
0.00641	0.117441	0.01109	0.157742	0.00062	0.120155	0.00935	0.291645	1.31E-10
0.00265	0.171614	0.00019	0.041287	0.37336	0.017057	0.71314	0.231261	4.35E-07
4.67E-11	0.292372	1.17E-10	0.022075	0.6342	0.089075	0.05441	0.294408	8.61E-11
0.00055	0.209901	4.76E-06	0.096495	0.03711	0.081398	0.07888	0.239254	1.67E-07
0.51779	0.120873	0.00893	0.171189	0.0002	0.141395	0.00219	0.311659	5.61E-12
1.93E-23	0.461047	5.90E-26	0.137417	0.00292	0.165164	0.00034	0.478656	4.08E-28
5.92E-14	0.435219	5.26E-23	0.098694	0.03298	0.10323	0.02569	0.504429	1.63E-31
2.00E-06	0.265043	6.00E-09	0.211439	4.04E-06	0.210268	4.58E-06	0.465122	1.91E-26
1.06E-14	0.430596	1.67E-22	0.198193	1.60E-05	0.12759	0.00576	0.507812	5.57E-32
4.34E-12	0.429863	2.00E-22	0.140774	0.00229	0.215458	2.62E-06	0.459384	9.30E-26
0.13194	0.099791	0.03107	0.130312	0.00479	0.128104	0.00557	0.149097	0.00123
3.86E-09	0.356632	1.88E-15	0.081455	0.07867	0.143136	0.00193	0.27196	2.31E-09
0.00072	0.170309	0.00022	0.11699	0.0114	0.101804	0.02782	0.437781	2.75E-23
0.00512	0.176175	0.00013	0.180128	9.07E-05	0.185124	5.71E-05	0.39791	3.62E-19
1.14E-13	0.423041	1.06E-21	0.11502	0.01288	0.163571	0.00039	0.452128	6.58E-25
0.01038	0.186422	5.05E-05	0.103734	0.02498	0.090773	0.04995	0.231363	4.30E-07
3.54E-17	0.468318	7.83E-27	0.149956	0.00115	0.166672	0.0003	0.398124	3.45E-19
8.08E-05	0.186012	5.25E-05	0.089472	0.05334	0.032019	0.49004	0.385902	4.95E-18
0.04318	-0.12161	0.00852	0.012885	0.78122	-0.00288	0.95056	-0.29761	5.26E-11

0.00023	0.18994	3.61E-05	0.124892	0.00689	0.152101	0.00098	0.274098	1.71E-09
0.00092	0.194941	2.21E-05	0.111055	0.01635	0.07561	0.1027	0.205689	7.43E-06
0.00795	0.156435	0.00069	0.205182	7.83E-06	0.23713	2.16E-07	0.351347	5.15E-15
6.26E-06	0.223883	1.02E-06	0.081837	0.07727	0.073193	0.1142	0.333527	1.35E-13
0.00047	0.149233	0.00122	0.094206	0.04186	0.073366	0.11334	0.302826	2.32E-11
0.00065	0.283179	4.63E-10	0.120942	0.00889	0.338692	5.35E-14	0.26041	1.12E-08
4.40E-14	0.413551	1.02E-20	0.123525	0.00753	0.167743	0.00027	0.295651	7.11E-11
2.00E-08	0.292974	1.07E-10	0.10306	0.02594	0.095658	0.03879	0.222907	1.14E-06
8.38E-06	0.293131	1.05E-10	0.287291	2.52E-10	0.201131	1.19E-05	0.481181	1.95E-28
1.30E-06	0.213675	3.18E-06	0.061827	0.18228	0.041925	0.36601	0.39764	3.84E-19
0.00017	0.174282	0.00015	0.056763	0.22081	0.052774	0.25504	0.19983	1.36E-05
0.06717	0.121394	0.00864	0.06668	0.15024	0.038217	0.40996	0.367728	2.12E-16
2.05E-13	0.446804	2.68E-24	0.184666	5.96E-05	0.155583	0.00074	0.250721	3.98E-08
7.12E-13	0.395379	6.34E-19	0.215524	2.60E-06	0.167496	0.00028	0.499621	7.40E-31
1.03E-06	0.260471	1.11E-08	0.058171	0.20956	0.047131	0.30947	0.263094	7.82E-09
3.96E-08	0.319881	1.43E-12	0.129889	0.00493	0.117384	0.01113	0.419363	2.57E-21
3.92E-08	-0.21257	3.58E-06	0.039431	0.39523	0.029739	0.52147	-0.23977	1.57E-07
2.39E-06	0.325695	5.31E-13	0.189382	3.81E-05	0.180614	8.67E-05	0.206364	6.92E-06
0.00049	0.268277	3.85E-09	0.152405	0.00095	0.212366	3.66E-06	0.419133	2.72E-21
1.01E-09	0.316992	2.32E-12	0.174026	0.00016	0.167925	0.00027	0.523706	3.00E-34
0.00024	0.170059	0.00022	0.079331	0.08681	0.094614	0.04098	0.398802	2.97E-19
1.28E-06	0.254983	2.30E-08	0.154354	0.00082	0.163167	0.0004	0.389763	2.16E-18
3.10E-09	0.349346	7.51E-15	0.115511	0.01249	0.10541	0.02272	0.302319	2.52E-11
1.44E-06	0.226276	7.77E-07	0.173314	0.00017	0.168884	0.00025	0.456038	2.31E-25
1.21E-05	0.316895	2.36E-12	0.441954	9.46E-24	0.163178	0.0004	0.251098	3.80E-08
0.00586	0.190091	3.55E-05	0.204945	8.03E-06	0.21085	4.31E-06	0.29123	1.40E-10
5.56E-05	0.157714	0.00063	0.101018	0.02905	-0.00189	0.96751	0.264821	6.19E-09
7.10E-07	0.273211	1.94E-09	0.131084	0.00455	0.120627	0.00907	0.404492	8.24E-20
0.00498	0.190723	3.34E-05	0.04373	0.34571	0.025017	0.58971	0.227195	6.99E-07
0.00252	0.23195	4.01E-07	0.085591	0.06459	0.083691	0.07078	0.241487	1.27E-07
6.61E-07	0.295195	7.63E-11	0.184155	6.25E-05	0.193395	2.58E-05	0.507828	5.54E-32
0.05028	0.113603	0.01404	0.082234	0.07584	0.091916	0.04712	0.227072	7.09E-07
0.0562	0.140363	0.00236	0.064773	0.16227	0.044167	0.34091	0.452433	6.07E-25
1.83E-05	0.232232	3.88E-07	0.094991	0.04018	0.080117	0.08372	0.500327	5.94E-31
4.80E-05	0.238678	1.79E-07	0.116639	0.01165	0.12296	0.00781	0.135085	0.00345
1.12E-08	0.312074	5.24E-12	0.116121	0.01203	0.1393	0.00255	0.471031	3.64E-27
6.71E-13	0.389396	2.34E-18	0.13699	0.00301	0.157948	0.00061	0.583709	5.42E-44
0.00012	0.223292	1.09E-06	0.038299	0.40896	0.238703	1.79E-07	0.226839	7.28E-07
8.07E-05	0.263706	7.20E-09	0.399796	2.38E-19	0.212877	3.46E-06	0.186652	4.94E-05
5.21E-06	0.375099	4.75E-17	0.157376	0.00064	0.120435	0.00918	0.282706	4.96E-10
0.00014	0.204846	8.11E-06	0.136291	0.00317	0.116402	0.01183	0.415161	6.98E-21
5.40E-05	0.263333	7.57E-09	0.326812	4.38E-13	0.098549	0.03324	0.396801	4.63E-19
2.07E-15	0.379474	1.92E-17	0.078266	0.09114	0.082594	0.07456	0.459681	8.58E-26
2.84E-06	0.321666	1.06E-12	0.199732	1.37E-05	0.195279	2.14E-05	0.470082	4.77E-27
2.01E-12	0.398075	3.49E-19	0.157509	0.00064	0.156043	0.00071	0.569144	1.93E-41

6.65E-06	0.272266	2.21E-09	0.117897	0.01078	0.035102	0.44919	0.404263	8.68E-20
7.95E-07	-0.25068	4.01E-08	0.094316	0.04162	0.085771	0.06403	-0.2013	1.17E-05
0.00059	0.194789	2.25E-05	0.135095	0.00344	0.079496	0.08615	0.294983	7.88E-11
0.6254	0.053362	0.24978	0.089045	0.05449	0.108164	0.01939	0.260977	1.04E-08
0.47245	0.133152	0.00394	0.133743	0.00379	0.138936	0.00262	0.337359	6.80E-14
0.00085	0.206148	7.08E-06	0.222069	1.26E-06	0.207538	6.12E-06	0.413767	9.68E-21
2.10E-09	0.335597	9.33E-14	0.130963	0.00459	0.127389	0.00584	0.441511	1.06E-23
0.00013	0.240711	1.40E-07	0.177034	0.00012	0.174113	0.00016	0.475497	1.02E-27
9.85E-08	0.32375	7.41E-13	0.136687	0.00308	0.13212	0.00424	0.383136	8.90E-18
3.86E-11	-0.35924	1.13E-15	-0.06535	0.15855	-0.1506	0.0011	-0.19853	1.55E-05
3.79E-10	0.357497	1.59E-15	0.131406	0.00445	0.138128	0.00278	0.563736	1.58E-40
0.00433	0.183816	6.45E-05	0.030965	0.50443	-0.00853	0.85421	0.297411	5.42E-11
1.58E-08	0.352573	4.08E-15	0.096353	0.03739	0.075698	0.1023	0.388286	2.97E-18
0.00893	0.310839	6.41E-12	0.09753	0.03512	0.164413	0.00036	0.252264	3.27E-08
0.00019	0.17267	0.00018	0.286873	2.68E-10	0.059608	0.1985	0.463317	3.16E-26
1.20E-05	0.263437	7.47E-09	0.128023	0.0056	0.072325	0.11857	0.426601	4.47E-22
7.47E-05	0.220478	1.50E-06	0.097872	0.03448	0.130269	0.00481	0.243336	1.01E-07
2.36E-10	0.343349	2.29E-14	0.140202	0.00239	0.116503	0.01175	0.53661	3.50E-36
0.01018	0.2685	3.74E-09	0.139686	0.00248	0.144205	0.00178	0.278709	8.86E-10
2.54E-06	0.284398	3.87E-10	0.101575	0.02817	0.071627	0.12218	0.499991	6.59E-31
3.16E-10	0.217442	2.10E-06	0.037474	0.41914	0.061823	0.1823	0.249664	4.56E-08
2.57E-05	0.241042	1.34E-07	0.104898	0.02339	0.123491	0.00755	0.302104	2.60E-11
6.84E-07	0.209348	5.05E-06	0.477019	6.56E-28	0.069238	0.13517	0.229123	5.59E-07
2.82E-07	0.336208	8.37E-14	0.082803	0.07383	0.200367	1.28E-05	0.285843	3.13E-10
0.11021	0.105497	0.0226	0.032212	0.48741	0.014475	0.75505	0.412506	1.30E-20
2.26E-08	0.320269	1.34E-12	0.136539	0.00311	0.112336	0.01515	0.454426	3.56E-25
0.21144	0.07204	0.12003	0.010422	0.82228	0.015091	0.74497	-0.12502	0.00683
7.08E-05	0.313423	4.20E-12	0.128684	0.00535	0.153882	0.00085	0.313465	4.17E-12
0.01014	0.208548	5.50E-06	0.101364	0.0285	0.089751	0.05259	0.319152	1.62E-12
1.86E-05	0.286011	3.05E-10	0.116012	0.01211	0.10594	0.02204	0.389472	2.30E-18
1.94E-05	0.298321	4.71E-11	0.080169	0.08352	0.059206	0.20155	0.29756	5.30E-11
0.0014	-0.0945	0.04122	0.019359	0.67648	0.036055	0.43696	-0.16986	0.00023
0.00045	0.220965	1.42E-06	0.157264	0.00065	0.138226	0.00276	0.357618	1.55E-15
2.47E-06	0.324942	6.04E-13	0.095799	0.0385	0.075051	0.10528	0.316803	2.40E-12
2.18E-07	0.296586	6.16E-11	0.125894	0.00645	0.15472	0.00079	0.434802	5.84E-23
0.00341	0.162601	0.00042	0.086577	0.06156	0.077959	0.09242	0.5859	2.19E-44
3.76E-07	0.276376	1.24E-09	0.154914	0.00078	0.141876	0.00212	0.702929	8.19E-71
0.1494	0.13935	0.00254	0.132323	0.00418	0.102823	0.02629	0.272495	2.14E-09
1.97E-11	0.40509	7.19E-20	0.193771	2.48E-05	0.106658	0.02115	0.724677	3.20E-77
1.48E-07	0.30973	7.68E-12	0.190018	3.58E-05	0.182169	7.52E-05	0.440195	1.49E-23
4.36E-06	0.30365	2.04E-11	0.181192	8.23E-05	0.18267	7.18E-05	0.290899	1.47E-10
0.00073	0.287873	2.31E-10	0.10483	0.02348	0.121363	0.00866	0.282921	4.81E-10
0.00181	0.182148	7.53E-05	0.035667	0.44192	0.008458	0.85535	0.131618	0.00438
1.88E-05	0.295546	7.23E-11	0.056802	0.2205	0.07336	0.11337	0.194176	2.39E-05
4.61E-05	0.256301	1.93E-08	0.150333	0.00112	0.169658	0.00023	0.415612	6.27E-21

5.42E-08	0.348594	8.65E-15	0.147743	0.00137	0.176789	0.00012	0.464942	2.01E-26
0.00383	0.22877	5.83E-07	0.104418	0.02403	0.094518	0.04119	0.290255	1.62E-10
7.43E-09	0.331895	1.80E-13	0.16421	0.00037	0.15874	0.00058	0.560551	5.38E-40
2.83E-05	0.275673	1.37E-09	0.169655	0.00023	0.224799	9.21E-07	0.331163	2.05E-13
1.63E-08	0.379311	1.99E-17	0.105079	0.02315	0.159467	0.00054	0.338089	5.97E-14
0.00827	0.125338	0.00669	0.042785	0.35625	0.024825	0.59257	0.202758	1.01E-05
6.68E-08	0.311525	5.73E-12	0.176787	0.00012	0.171766	0.00019	0.44487	4.45E-24
3.88E-15	0.392752	1.13E-18	0.152497	0.00095	0.074443	0.10813	0.489577	1.61E-29
5.11E-06	0.269995	3.04E-09	0.099626	0.03136	0.322035	9.93E-13	0.353619	3.35E-15
0.00122	-0.10455	0.02385	-0.01497	0.747	-0.05858	0.20633	-0.25768	1.61E-08
0.00711	0.222407	1.21E-06	0.121067	0.00882	0.112748	0.01478	0.237093	2.17E-07
1.37E-16	0.444923	4.39E-24	0.068776	0.1378	0.094126	0.04204	0.336299	8.23E-14
3.64E-08	0.29185	1.27E-10	0.136603	0.0031	0.155676	0.00074	0.372916	7.43E-17
0.00066	0.233394	3.38E-07	0.327927	3.61E-13	0.144921	0.00169	0.334138	1.21E-13
3.67E-11	0.352424	4.20E-15	0.102538	0.02671	0.106527	0.02131	0.329358	2.81E-13
0.00021	0.291452	1.35E-10	0.156392	0.0007	0.086815	0.06085	0.151472	0.00103
8.80E-08	0.376573	3.51E-17	0.10928	0.01816	0.088532	0.0559	0.425949	5.24E-22
6.74E-12	0.45859	1.15E-25	0.085581	0.06462	0.181192	8.23E-05	0.282818	4.88E-10
0.00023	0.245481	7.74E-08	0.101503	0.02829	0.108893	0.01858	0.288834	2.00E-10
0.00139	0.286492	2.84E-10	0.164369	0.00036	0.188355	4.20E-05	0.457698	1.47E-25
8.93E-10	0.349625	7.13E-15	0.167477	0.00028	0.148356	0.0013	0.584903	3.31E-44
0.94993	-0.12293	0.00782	-0.09393	0.04248	-0.06715	0.14737	-0.16287	0.00041
3.74E-08	0.314414	3.56E-12	0.142279	0.00206	0.124513	0.00706	0.349156	7.79E-15
1.28E-08	0.382413	1.04E-17	0.13693	0.00303	0.16822	0.00026	0.555528	3.60E-39
3.30E-16	0.466513	1.30E-26	0.007142	0.87766	0.116977	0.01141	0.484465	7.41E-29
0.11533	-0.02186	0.63744	0.153328	0.00089	0.072603	0.11716	0.131627	0.00438
0.00715	0.190465	3.43E-05	0.109361	0.01808	0.100236	0.03033	0.197168	1.77E-05
0.88813	0.038576	0.40557	0.097057	0.03602	0.090035	0.05185	0.416828	4.71E-21
5.51E-12	0.486005	4.69E-29	0.208225	5.69E-06	0.325687	5.31E-13	0.256981	1.77E-08
8.83E-09	0.31006	7.28E-12	0.157267	0.00065	0.15638	0.0007	0.430654	1.65E-22
2.05E-08	0.306287	1.34E-11	0.134275	0.00365	0.091441	0.04828	0.531107	2.39E-35
0.00047	0.260978	1.04E-08	0.155578	0.00074	0.133914	0.00374	0.336137	8.47E-14
1.69E-08	0.276629	1.19E-09	0.065653	0.15663	0.109687	0.01773	0.362961	5.47E-16
0.00415	0.241599	1.25E-07	0.144338	0.00176	0.136429	0.00314	0.230089	4.99E-07
3.09E-13	0.436756	3.57E-23	0.14477	0.00171	0.092073	0.04674	0.343486	2.23E-14
4.08E-11	0.434763	5.90E-23	0.140349	0.00237	0.185005	5.77E-05	0.354975	2.58E-15
2.11E-05	0.217864	2.01E-06	0.117919	0.01076	0.062777	0.17564	0.424688	7.13E-22
0.00031	0.160242	0.00051	0.046269	0.31841	0.04609	0.32029	0.131129	0.00453
7.09E-11	0.330788	2.19E-13	0.115978	0.01214	0.123299	0.00764	0.413845	9.51E-21
0.00714	0.179719	9.41E-05	0.099371	0.0318	0.085554	0.06471	0.369512	1.48E-16
1.23E-05	0.279595	7.80E-10	0.134441	0.00361	0.100332	0.03017	0.301414	2.90E-11
2.79E-14	0.39445	7.77E-19	0.163992	0.00037	0.156064	0.00071	0.11315	0.01443
9.36E-09	0.262585	8.38E-09	0.167641	0.00027	0.090291	0.05118	0.463001	3.45E-26
7.38E-08	0.35288	3.85E-15	0.11894	0.01009	0.132979	0.00399	0.268693	3.64E-09
0.00312	0.389367	2.35E-18	0.221841	1.29E-06	0.081141	0.07983	0.127165	0.00593

1.85E-07	0.343895	2.07E-14	0.18615	5.18E-05	0.153694	0.00086	0.275321	1.44E-09
0.00039	0.233401	3.38E-07	0.175162	0.00014	0.161035	0.00048	0.281417	5.99E-10
1.18E-07	0.266828	4.71E-09	0.096023	0.03805	0.159101	0.00056	0.227554	6.71E-07
7.15E-10	0.358245	1.38E-15	0.145201	0.00165	0.121939	0.00834	0.528136	6.65E-35
1.79E-07	0.294995	7.87E-11	0.38817	3.04E-18	0.112276	0.0152	0.364376	4.14E-16
3.47E-08	0.239145	1.69E-07	0.084462	0.06821	0.029194	0.52913	0.300405	3.40E-11
0.00016	0.202331	1.05E-05	0.097214	0.03571	0.065455	0.15789	0.303967	1.94E-11
8.22E-05	-0.12983	0.00495	-0.08369	0.07077	-0.02693	0.56151	-0.27054	2.82E-09
2.03E-05	0.286155	2.99E-10	0.121826	0.0084	0.086668	0.06129	0.180498	8.77E-05
1.56E-08	0.334006	1.24E-13	0.136985	0.00301	0.122405	0.0081	0.576528	1.02E-42
4.18E-07	0.240473	1.44E-07	0.212746	3.51E-06	0.011667	0.80146	0.353067	3.72E-15
0.01974	0.341312	3.32E-14	0.175817	0.00013	0.360153	9.49E-16	0.167199	0.00028
1.98E-05	0.309353	8.16E-12	0.147017	0.00144	0.11228	0.0152	0.235214	2.72E-07
9.54E-28	0.580926	1.70E-43	0.114868	0.013	0.1842	6.22E-05	0.390916	1.68E-18
0.00011	0.261383	9.85E-09	0.31182	5.46E-12	0.186704	4.91E-05	0.307881	1.04E-11
1.28E-20	0.351301	5.20E-15	0.16675	0.0003	0.11033	0.01707	0.296785	5.97E-11
0.00122	0.178924	0.0001	0.034744	0.45384	0.014399	0.7563	0.144814	0.0017
0.00015	0.23164	4.16E-07	0.17031	0.00022	0.200148	1.31E-05	0.315247	3.11E-12
1.76E-19	0.488904	1.97E-29	0.143617	0.00186	0.187849	4.41E-05	0.405518	6.52E-20
0.0016	0.176834	0.00012	0.171952	0.00019	0.094914	0.04034	0.37392	6.06E-17
0.00288	0.201196	1.18E-05	0.082429	0.07515	0.060044	0.19523	0.163307	0.00039
1.49E-05	0.24412	9.17E-08	0.087234	0.05961	0.095641	0.03883	0.410724	1.97E-20
0.00019	0.156388	0.0007	0.015358	0.74062	-0.02486	0.59207	0.220763	1.45E-06
6.24E-08	0.308752	9.00E-12	0.127064	0.00597	0.091931	0.04709	0.427055	4.00E-22
0.8144	-0.02693	0.56151	-0.00642	0.88994	-0.03354	0.46965	-0.18076	8.56E-05
0.00275	0.272292	2.21E-09	0.122966	0.00781	0.356363	1.98E-15	0.260089	1.17E-08
0.00016	0.249819	4.47E-08	0.135422	0.00337	0.154106	0.00083	0.26952	3.25E-09
6.31E-06	-0.20875	5.38E-06	-0.01927	0.67785	-0.06519	0.15959	-0.21676	2.27E-06
2.41E-11	-0.43949	1.78E-23	-0.22791	6.44E-07	-0.17949	9.61E-05	-0.30933	8.20E-12
3.06E-08	0.332716	1.56E-13	0.12714	0.00594	0.151289	0.00104	0.438174	2.49E-23
0.00014	0.216419	2.35E-06	0.088285	0.05659	0.141068	0.00225	0.180015	9.16E-05
0.00508	-0.05004	0.28055	-0.13259	0.0041	0.013732	0.76725	-0.24734	6.13E-08
0.00039	0.170401	0.00022	0.116149	0.01201	0.098395	0.03352	0.336167	8.43E-14
7.77E-05	0.287427	2.47E-10	0.142573	0.00201	0.17297	0.00017	0.407479	4.17E-20
0.0436	0.132947	0.004	0.1145	0.01329	0.054192	0.24248	0.316424	2.55E-12
0.03739	0.139962	0.00243	0.166281	0.00031	0.154363	0.00082	0.379647	1.85E-17
0.1072	0.154092	0.00083	0.089069	0.05442	0.116436	0.0118	0.281611	5.82E-10
5.16E-20	0.462939	3.51E-26	0.27916	8.30E-10	0.168643	0.00025	0.33655	7.87E-14
0.14561	0.154341	0.00082	0.111951	0.0155	0.047466	0.30603	0.232218	3.89E-07
0.22572	-0.0264	0.56923	0.049077	0.28989	0.112044	0.01542	0.298011	4.94E-11
0.00113	0.228774	5.82E-07	0.154111	0.00083	0.267626	4.22E-09	0.307608	1.08E-11
0.00036	0.240538	1.43E-07	0.20587	7.29E-06	0.199844	1.35E-05	0.419476	2.51E-21
0.0113	0.192133	2.92E-05	0.173496	0.00016	0.365324	3.43E-16	0.30607	1.39E-11
0.00695	0.183358	6.73E-05	0.212967	3.43E-06	0.219478	1.68E-06	0.303566	2.07E-11
0.23635	0.10375	0.02495	0.086852	0.06074	0.188922	3.98E-05	0.077668	0.09365

1.98E-05	0.2654	5.72E-09	0.146526	0.0015	0.256613	1.85E-08	0.33771	6.39E-14
0.06848	0.073338	0.11348	0.109359	0.01808	0.10261	0.0266	0.296016	6.73E-11
0.00164	0.25024	4.24E-08	0.126378	0.00624	0.291541	1.33E-10	0.335766	9.06E-14
5.32E-10	0.391967	1.34E-18	0.076086	0.10055	0.080194	0.08343	0.283622	4.34E-10
0.0003	0.225992	8.03E-07	0.141819	0.00213	0.123756	0.00742	0.331376	1.97E-13
4.89E-17	0.424964	6.67E-22	0.104529	0.02388	0.100119	0.03052	0.613889	1.05E-49
1.69E-12	0.389077	2.50E-18	0.205493	7.58E-06	0.229087	5.61E-07	0.369872	1.38E-16
8.57E-12	0.379136	2.06E-17	0.296348	6.39E-11	0.125744	0.00651	0.428921	2.53E-22
0.13185	0.014124	0.76081	-0.05882	0.20454	-0.07775	0.09331	-0.22231	1.22E-06
1.11E-12	0.378486	2.36E-17	0.148827	0.00126	0.140439	0.00235	0.47403	1.55E-27
0.00533	0.261087	1.02E-08	0.139526	0.00251	0.135689	0.0033	0.227561	6.70E-07
0.00075	0.251059	3.82E-08	0.184227	6.21E-05	0.291962	1.25E-10	0.34735	1.09E-14
2.56E-07	0.337203	7.00E-14	0.099182	0.03212	0.115904	0.01219	0.381901	1.16E-17
1.32E-09	0.363135	5.29E-16	0.114167	0.01356	0.136884	0.00304	0.395146	6.67E-19
0.0001	0.259858	1.21E-08	0.080069	0.08391	0.120559	0.00911	0.307356	1.13E-11
1.69E-07	0.287712	2.37E-10	0.139437	0.00253	0.169073	0.00024	0.452082	6.66E-25
6.67E-07	0.320139	1.37E-12	0.141418	0.00219	0.151558	0.00102	0.373774	6.24E-17
5.45E-15	-0.41068	1.99E-20	-0.11433	0.01343	-0.15107	0.00106	-0.25537	2.18E-08
8.72E-08	0.21671	2.28E-06	0.077872	0.09279	0.041941	0.36582	0.266897	4.66E-09
0.00147	0.245922	7.32E-08	0.194007	2.43E-05	0.20819	5.71E-06	0.381288	1.31E-17
1.07E-08	0.298208	4.79E-11	0.058047	0.21053	0.058337	0.20826	0.275859	1.33E-09
0.01802	0.15335	0.00089	0.12062	0.00908	0.070887	0.12609	0.460887	6.16E-26
0.00169	0.278691	8.89E-10	0.078556	0.08995	0.111825	0.01562	0.286165	2.98E-10
0.63682	0.076398	0.09916	0.099704	0.03122	0.100184	0.03041	0.074511	0.10781
6.73E-07	0.281085	6.29E-10	0.182565	7.24E-05	0.182357	7.39E-05	0.46408	2.56E-26
0.13201	0.03105	0.50326	0.066081	0.15394	0.019024	0.68177	0.193622	2.52E-05
7.40E-13	0.411041	1.83E-20	0.126752	0.00609	0.185773	5.37E-05	0.44316	6.93E-24
5.37E-08	0.326905	4.31E-13	0.13414	0.00368	0.11685	0.0115	0.486702	3.81E-29
1.09E-06	0.225254	8.74E-07	0.133296	0.00391	0.069636	0.13293	0.270476	2.84E-09
0.08725	0.164448	0.00036	0.105288	0.02287	0.068161	0.14136	0.222449	1.20E-06
0.0004	0.215152	2.70E-06	0.188706	4.06E-05	0.198555	1.54E-05	0.43294	9.32E-23
0.04365	0.178141	0.00011	0.187669	4.48E-05	0.174913	0.00015	0.322427	9.29E-13
4.66E-07	0.284465	3.83E-10	0.149968	0.00115	0.153266	0.00089	0.476206	8.29E-28
1.09E-06	0.305186	1.60E-11	0.127524	0.00579	0.130207	0.00483	0.450337	1.06E-24
0.0006	0.224575	9.44E-07	0.212211	3.72E-06	0.214704	2.84E-06	0.423441	9.65E-22
1.23E-09	0.333031	1.47E-13	0.154375	0.00082	0.145959	0.00156	0.517699	2.23E-33
0.00039	0.239211	1.68E-07	0.10467	0.02369	0.10356	0.02522	0.438662	2.20E-23
0.0001	0.225766	8.24E-07	0.205264	7.76E-06	0.203466	9.35E-06	0.405171	7.06E-20
1.56E-09	0.320416	1.31E-12	0.154457	0.00081	0.156047	0.00071	0.45492	3.12E-25
0.01595	0.123079	0.00775	0.054328	0.24129	0.031545	0.49648	0.146379	0.00151
0.01144	0.159617	0.00054	0.140682	0.00231	0.134515	0.00359	0.275151	1.47E-09
0.27411	0.176197	0.00013	0.144557	0.00174	0.116462	0.01178	0.275421	1.42E-09
7.13E-05	0.278135	9.62E-10	0.165247	0.00034	0.152945	0.00091	0.354739	2.70E-15
0.00824	0.218638	1.84E-06	0.12772	0.00571	0.144075	0.0018	0.475461	1.03E-27
5.20E-06	0.2795	7.91E-10	0.130154	0.00485	0.099736	0.03117	0.398326	3.30E-19



9.62E-05	0.264016	6.90E-09	0.135386	0.00337	0.101935	0.02762	0.468489	7.47E-27
0.14017	0.12872	0.00534	0.104864	0.02343	0.061027	0.188	0.17187	0.00019
0.04461	0.143641	0.00186	0.03871	0.40395	0.015641	0.73602	0.239526	1.62E-07
0.01061	0.146059	0.00155	0.07167	0.12195	0.071803	0.12126	0.261844	9.26E-09
0.00049	0.17553	0.00014	0.104513	0.0239	0.115082	0.01283	0.307795	1.05E-11
0.09755	0.103633	0.02512	0.082144	0.07616	0.061665	0.18343	0.199036	1.47E-05
0.00114	0.236845	2.24E-07	0.082736	0.07406	0.102404	0.02691	0.177064	0.00012
1.56E-06	0.296013	6.73E-11	0.143102	0.00193	0.136527	0.00311	0.416927	4.60E-21
0.04064	0.181428	8.05E-05	0.113684	0.01397	0.10954	0.01789	0.327359	3.98E-13
0.00219	0.190619	3.38E-05	0.168934	0.00025	0.141957	0.0021	0.369773	1.41E-16
0.00014	0.245042	8.18E-08	0.116741	0.01158	0.115155	0.01277	0.366537	2.69E-16
3.42E-05	0.272959	2.01E-09	0.101048	0.02901	0.132255	0.0042	0.37627	3.74E-17
0.19002	0.133799	0.00377	0.178956	0.0001	0.159191	0.00055	0.302673	2.38E-11
0.00873	0.190804	3.32E-05	0.20294	9.88E-06	0.188247	4.24E-05	0.401385	1.66E-19
1.56E-06	0.303607	2.05E-11	0.124607	0.00702	0.098934	0.03256	0.421488	1.55E-21
2.69E-05	0.257474	1.66E-08	0.136018	0.00323	0.123904	0.00735	0.388855	2.63E-18
2.55E-06	0.268058	3.97E-09	0.173179	0.00017	0.179724	9.41E-05	0.399586	2.49E-19
4.50E-07	0.296176	6.56E-11	0.156271	0.0007	0.153124	0.0009	0.381643	1.22E-17
0.0088	0.169539	0.00023	0.11574	0.01232	0.103814	0.02486	0.274957	1.51E-09
5.34E-06	0.284999	3.54E-10	0.188817	4.02E-05	0.198673	1.53E-05	0.466418	1.33E-26
5.73E-05	0.242147	1.17E-07	0.095868	0.03836	0.079365	0.08667	0.40733	4.31E-20
2.69E-06	0.283197	4.62E-10	0.156122	0.00071	0.147036	0.00144	0.398489	3.18E-19
0.10504	0.112579	0.01493	0.072025	0.12011	0.050443	0.27666	0.091532	0.04806
3.77E-06	0.260539	1.10E-08	0.145602	0.00161	0.145271	0.00165	0.337665	6.44E-14
0.00131	0.226097	7.93E-07	0.113319	0.01428	0.163731	0.00038	0.215885	2.50E-06
1.16E-05	0.248811	5.08E-08	0.167697	0.00027	0.164553	0.00036	0.351866	4.67E-15
4.00E-05	0.253656	2.73E-08	0.130651	0.00468	0.114985	0.0129	0.367913	2.04E-16
0.00524	0.165813	0.00032	0.084553	0.06791	0.091375	0.04844	0.246393	6.90E-08
0.04392	0.184872	5.84E-05	0.162453	0.00042	0.168455	0.00026	0.292736	1.11E-10
8.53E-07	0.309896	7.48E-12	0.17392	0.00016	0.148616	0.00128	0.490971	1.05E-29
5.07E-06	0.215374	2.64E-06	0.400819	1.89E-19	0.110415	0.01699	0.333074	1.46E-13
0.10187	0.106303	0.02159	0.09965	0.03131	0.084626	0.06767	0.289759	1.74E-10
0.00017	0.29247	1.16E-10	0.182746	7.12E-05	0.177086	0.00012	0.290677	1.52E-10
0.22094	0.137394	0.00293	0.140605	0.00232	0.164605	0.00035	0.224677	9.34E-07
2.78E-09	0.304828	1.69E-11	0.202391	1.04E-05	0.055159	0.23416	0.270298	2.91E-09
1.42E-06	0.282282	5.28E-10	0.166992	0.00029	0.159282	0.00055	0.406681	5.00E-20
0.00014	0.286693	2.76E-10	0.138658	0.00267	0.136983	0.00301	0.391362	1.53E-18
2.70E-06	0.294478	8.52E-11	0.136247	0.00318	0.12758	0.00576	0.422779	1.13E-21
2.70E-07	0.330441	2.33E-13	0.28173	5.72E-10	0.149929	0.00116	0.396685	4.75E-19
8.04E-05	0.265704	5.49E-09	0.18762	4.51E-05	0.180328	8.90E-05	0.438128	2.52E-23
1.37E-06	0.298098	4.87E-11	0.164902	0.00035	0.145743	0.00159	0.440828	1.26E-23
3.71E-08	0.305596	1.49E-11	0.138767	0.00265	0.134347	0.00363	0.518973	1.46E-33
3.56E-08	0.324869	6.12E-13	0.097141	0.03585	0.263687	7.22E-09	0.253528	2.77E-08
0.00102	0.255652	2.10E-08	0.074308	0.10878	0.066462	0.15158	0.170153	0.00022
0.12512	0.188793	4.03E-05	0.069294	0.13485	0.129158	0.00518	0.186968	4.79E-05

0.10338	0.216822	2.25E-06	0.089411	0.0535	0.126062	0.00638	0.200109	1.32E-05
1.06E-08	0.328319	3.37E-13	0.170072	0.00022	0.176378	0.00013	0.503039	2.54E-31
1.79E-05	0.312465	4.91E-12	0.114332	0.01343	0.152937	0.00091	0.306743	1.24E-11
8.36E-07	0.287218	2.55E-10	0.176677	0.00012	0.188837	4.01E-05	0.488421	2.28E-29
0.0091	0.241098	1.33E-07	0.073419	0.11308	0.141435	0.00219	0.215131	2.71E-06
3.13E-10	0.345263	1.61E-14	0.181117	8.28E-05	0.148138	0.00133	0.501095	4.67E-31
1.13E-05	0.265168	5.90E-09	0.105133	0.02308	0.153361	0.00088	0.303068	2.24E-11
8.07E-07	0.279048	8.44E-10	0.180161	9.04E-05	0.171979	0.00019	0.376897	3.28E-17
0.00019	-0.1499	0.00116	-0.06367	0.16954	-0.07332	0.11359	-0.20802	5.82E-06
0.86115	-0.02388	0.60675	0.087271	0.0595	0.095282	0.03957	0.247648	5.89E-08
9.14E-09	0.299228	4.09E-11	0.123107	0.00774	0.062563	0.17711	0.368098	1.97E-16
0.28301	-0.0558	0.22873	0.138097	0.00278	0.091935	0.04708	0.280722	6.63E-10
1.11E-09	0.364807	3.80E-16	0.23952	1.62E-07	0.173004	0.00017	0.465409	1.77E-26
0.00249	0.214722	2.83E-06	0.057346	0.2161	0.017586	0.70465	0.388287	2.97E-18
2.00E-07	0.313024	4.48E-12	0.15624	0.0007	0.153809	0.00085	0.480711	2.24E-28
3.05E-10	0.377375	2.97E-17	0.401857	1.50E-19	0.072265	0.11888	0.423869	8.70E-22
8.61E-07	0.311736	5.54E-12	0.114328	0.01343	0.111591	0.01584	0.528866	5.18E-35
2.25E-05	0.289664	1.77E-10	0.138598	0.00269	0.141196	0.00223	0.552083	1.30E-38
0.1884	0.103478	0.02534	0.154722	0.00079	0.115915	0.01219	0.201989	1.09E-05
2.51E-05	0.247201	6.23E-08	0.123271	0.00765	0.132645	0.00409	0.304064	1.91E-11
4.16E-07	0.297899	5.03E-11	0.180585	8.70E-05	0.179023	0.0001	0.534477	7.41E-36
5.83E-07	0.372094	8.79E-17	0.265763	5.44E-09	0.210754	4.35E-06	0.233511	3.34E-07
2.98E-14	0.407905	3.78E-20	0.160556	0.0005	0.145442	0.00163	0.519514	1.22E-33
3.37E-06	0.278044	9.75E-10	0.137455	0.00291	0.143228	0.00192	0.402511	1.29E-19
0.08902	0.123543	0.00752	0.09157	0.04796	0.07052	0.12807	0.215185	2.69E-06
7.35E-05	0.216177	2.42E-06	0.230569	4.72E-07	0.059593	0.19862	0.232498	3.76E-07
0.01381	0.154541	0.00081	0.120486	0.00915	0.103659	0.02508	0.277259	1.09E-09
4.08E-09	0.319994	1.40E-12	0.123142	0.00772	0.119566	0.0097	0.380592	1.52E-17
0.03568	-0.06099	0.1883	-0.03625	0.43453	-0.01013	0.82722	-0.19357	2.53E-05
3.51E-07	0.331106	2.07E-13	0.180649	8.65E-05	0.134649	0.00355	0.418208	3.39E-21
5.19E-08	0.267504	4.29E-09	0.149682	0.00118	0.098603	0.03315	0.513655	8.42E-33
1.32E-07	0.337449	6.70E-14	0.140747	0.0023	0.119503	0.00974	0.364584	3.97E-16
0.38382	-0.00183	0.96855	0.061597	0.18391	0.019361	0.67645	0.254792	2.35E-08
0.1292	0.104123	0.02444	0.144045	0.0018	0.007728	0.86771	0.194775	2.25E-05
1.98E-11	0.391573	1.46E-18	0.197887	1.65E-05	0.116517	0.01174	0.479664	3.04E-28
0.00027	0.242404	1.14E-07	0.061879	0.18191	0.015179	0.74354	0.376295	3.72E-17
1.62E-08	0.307666	1.07E-11	0.162521	0.00042	0.157011	0.00066	0.46597	1.51E-26
0.00073	0.284832	3.63E-10	0.127574	0.00577	0.211638	3.96E-06	0.354236	2.98E-15
9.30E-06	0.263617	7.29E-09	0.139492	0.00252	0.112615	0.0149	0.229921	5.09E-07
1.46E-07	0.319645	1.49E-12	0.168022	0.00027	0.139617	0.0025	0.554573	5.15E-39
0.13981	0.145854	0.00158	0.215112	2.72E-06	0.27175	2.38E-09	0.316319	2.60E-12
0.0102	0.192237	2.89E-05	0.196596	1.88E-05	0.206414	6.89E-06	0.362568	5.91E-16
0.0293	0.171356	0.0002	0.211553	3.99E-06	0.218843	1.80E-06	0.349878	6.80E-15
4.73E-05	0.260153	1.16E-08	0.383998	7.42E-18	0.201524	1.14E-05	0.409281	2.75E-20
0.03269	0.174788	0.00015	0.269737	3.15E-09	0.260351	1.13E-08	0.337011	7.24E-14

0.00113	0.218893	1.79E-06	0.158297	0.0006	0.158862	0.00057	0.355095	2.52E-15
0.00133	-0.13189	0.0043	0.003065	0.94734	0.000422	0.99274	-0.3049	1.67E-11
0.88865	-0.03352	0.46988	0.065128	0.15998	0.050137	0.27959	0.160201	0.00051
1.82E-08	0.37337	6.78E-17	0.126942	0.00601	0.095265	0.0396	0.426776	4.28E-22
0.00254	0.230788	4.60E-07	0.126244	0.0063	0.091139	0.04903	0.366827	2.54E-16
2.65E-05	-0.33438	1.16E-13	-0.12004	0.00942	-0.15747	0.00064	-0.25114	3.78E-08
4.34E-13	0.420521	1.95E-21	0.182664	7.18E-05	0.099058	0.03234	0.428326	2.93E-22
8.73E-06	0.391779	1.39E-18	0.069012	0.13645	0.127828	0.00567	0.231404	4.28E-07
1.92E-12	0.385662	5.21E-18	0.143453	0.00188	0.125548	0.0066	0.549631	3.23E-38
3.78E-07	0.304142	1.89E-11	0.194819	2.24E-05	0.152616	0.00094	0.333133	1.45E-13
1.82E-09	0.33573	9.11E-14	0.121588	0.00853	0.114202	0.01353	0.128119	0.00556
3.47E-11	0.350049	6.58E-15	0.04391	0.34374	0.059119	0.20222	0.466069	1.47E-26
3.50E-20	0.487255	3.23E-29	0.151813	0.001	0.138065	0.00279	0.396498	4.95E-19
1.66E-11	0.375964	3.98E-17	0.101736	0.02792	0.096397	0.0373	0.355656	2.27E-15
0.00012	0.214785	2.82E-06	0.092168	0.04652	0.089936	0.05211	0.330548	2.28E-13
6.02E-08	0.300771	3.21E-11	0.177331	0.00012	0.158712	0.00058	0.545375	1.53E-37
0.0007	0.258479	1.45E-08	0.126637	0.00614	0.198312	1.58E-05	0.243067	1.05E-07
0.0105	0.19429	2.36E-05	0.117255	0.01122	0.132367	0.00416	0.177819	0.00011
0.33705	0.09563	0.03885	0.083401	0.07176	0.029725	0.52167	0.356374	1.97E-15
0.00026	0.198319	1.58E-05	0.150394	0.00111	0.050698	0.27423	0.366674	2.62E-16
7.87E-05	0.226917	7.22E-07	0.085222	0.06576	0.08661	0.06146	0.26164	9.51E-09
0.00311	0.20384	9.00E-06	0.164664	0.00035	0.05269	0.2558	0.227074	7.09E-07
4.04E-21	0.523217	3.54E-34	0.233767	3.24E-07	0.139797	0.00246	0.248158	5.52E-08
6.54E-08	0.295406	7.39E-11	0.1231	0.00774	0.195958	2.00E-05	0.268601	3.69E-09
0.09922	0.14092	0.00227	0.11239	0.0151	0.007127	0.87791	0.167119	0.00029
0.03114	-0.05475	0.23768	0.020887	0.65257	-0.03374	0.46702	0.273722	1.80E-09
2.83E-08	0.310606	6.66E-12	0.133448	0.00386	0.112287	0.01519	0.550933	2.00E-38
1.48E-08	0.273513	1.86E-09	0.277685	1.03E-09	0.099328	0.03187	0.430645	1.65E-22
0.00877	0.130896	0.00461	0.27298	2.00E-09	0.088584	0.05576	0.429513	2.18E-22
0.29537	-0.00476	0.91829	-0.004	0.93123	-0.08177	0.07752	-0.25004	4.35E-08
8.53E-07	0.282637	5.01E-10	0.14481	0.0017	0.114911	0.01296	0.35975	1.03E-15
6.29E-09	-0.32081	1.22E-12	-0.14363	0.00186	-0.11261	0.0149	-0.31343	4.19E-12
3.00E-29	0.574683	2.14E-42	0.113783	0.01388	0.086493	0.06181	0.397777	3.73E-19
4.91E-11	0.387484	3.53E-18	0.11895	0.01009	0.125745	0.00651	0.358944	1.20E-15
3.85E-05	0.212993	3.42E-06	0.04714	0.30937	0.071803	0.12126	0.295548	7.23E-11
0.90756	0.027566	0.55236	0.029268	0.52808	0.032756	0.48008	0.226068	7.96E-07
4.31E-08	0.33021	2.42E-13	0.136908	0.00303	0.113303	0.01429	0.47417	1.49E-27
3.46E-05	0.22042	1.51E-06	0.074568	0.10754	0.082034	0.07656	0.19289	2.71E-05
3.93E-11	0.398277	3.34E-19	0.210202	4.61E-06	0.219224	1.73E-06	0.532735	1.36E-35
5.33E-06	0.345098	1.66E-14	0.143538	0.00187	0.103398	0.02545	0.299987	3.63E-11
0.02762	0.173928	0.00016	0.020252	0.66247	-0.00667	0.88568	0.123949	0.00732
6.34E-09	0.331783	1.84E-13	0.120607	0.00908	0.117246	0.01122	0.314648	3.43E-12
8.21E-09	0.29237	1.17E-10	0.104472	0.02396	0.058731	0.2052	0.379036	2.10E-17
7.75E-11	0.324138	6.94E-13	0.081703	0.07776	0.056886	0.21982	0.39149	1.48E-18
4.58E-12	0.37828	2.46E-17	0.100516	0.02987	0.127194	0.00591	0.268602	3.69E-09

1.32E-15	0.410594	2.03E-20	0.126223	0.00631	0.125518	0.00661	0.402688	1.24E-19
0.00211	0.172687	0.00018	0.018438	0.69106	0.028506	0.53889	0.224187	9.87E-07
1.84E-09	0.337972	6.09E-14	0.100117	0.03053	0.090489	0.05067	0.273834	1.78E-09
1.71E-11	0.366102	2.94E-16	0.184154	6.25E-05	0.16124	0.00047	0.624161	8.52E-52
7.14E-10	0.309966	7.39E-12	0.11201	0.01545	0.114505	0.01329	0.362906	5.53E-16
3.16E-13	0.359477	1.08E-15	0.104654	0.02371	0.147107	0.00143	0.332725	1.56E-13
0.22359	0.072578	0.11728	0.004503	0.92269	-0.00265	0.9544	0.329528	2.73E-13
4.74E-06	0.240053	1.52E-07	0.103395	0.02546	0.131751	0.00434	0.24264	1.10E-07
0.00014	0.254602	2.41E-08	0.048076	0.29986	0.005733	0.90166	0.272308	2.20E-09
2.80E-18	0.482124	1.48E-28	0.240372	1.46E-07	0.120529	0.00913	0.353501	3.42E-15
0.01033	0.186779	4.88E-05	0.060793	0.18971	0.034133	0.46182	0.256972	1.77E-08
0.0284	0.130854	0.00462	0.037093	0.42388	0.024318	0.60015	0.157154	0.00065
6.91E-06	0.297408	5.42E-11	0.167909	0.00027	0.13318	0.00394	0.469595	5.47E-27
1.82E-10	0.346174	1.36E-14	0.108385	0.01914	0.098858	0.03269	0.408964	2.96E-20
3.18E-08	0.329592	2.70E-13	0.130967	0.00458	0.095926	0.03825	0.402485	1.30E-19
7.24E-12	0.37445	5.43E-17	0.085786	0.06398	0.069912	0.1314	0.431856	1.22E-22
3.65E-07	0.354728	2.71E-15	0.110426	0.01698	0.155764	0.00073	0.328021	3.55E-13
3.59E-14	0.464536	2.25E-26	0.181754	7.81E-05	0.141317	0.00221	0.364587	3.97E-16
0.0002	0.230779	4.61E-07	0.094449	0.04134	0.234508	2.96E-07	0.100123	0.03052
2.72E-06	0.337821	6.26E-14	0.194495	2.31E-05	0.144573	0.00173	0.404136	8.94E-20
2.66E-05	0.270903	2.68E-09	0.097396	0.03537	0.152279	0.00096	0.288447	2.12E-10
3.95E-12	0.371727	9.47E-17	0.113152	0.01442	0.074398	0.10834	0.383606	8.06E-18
2.46E-07	0.246579	6.74E-08	0.086261	0.06252	0.070118	0.13026	0.318905	1.69E-12
9.03E-09	0.321407	1.11E-12	0.152125	0.00097	0.131793	0.00433	0.435797	4.55E-23
1.25E-10	0.368262	1.91E-16	0.140109	0.00241	0.106113	0.02182	0.480272	2.55E-28
2.88E-09	0.38941	2.33E-18	0.233319	3.41E-07	0.222764	1.16E-06	0.454057	3.93E-25
0.01463	0.176006	0.00013	0.083872	0.07017	0.088462	0.05609	0.132753	0.00405
1.45E-05	0.315552	2.95E-12	0.176222	0.00013	0.228317	6.14E-07	0.408429	3.35E-20
1.48E-09	0.291881	1.27E-10	0.079507	0.08611	0.067582	0.14478	0.273269	1.92E-09
0.02659	0.087572	0.05862	0.048032	0.30029	0.042929	0.35463	0.184608	5.99E-05
2.69E-05	0.313618	4.07E-12	0.202016	1.09E-05	0.254574	2.42E-08	0.422072	1.34E-21
6.60E-07	0.207572	6.10E-06	0.189442	3.78E-05	0.111479	0.01595	0.266121	5.18E-09
1.31E-06	-0.16908	0.00024	-0.06854	0.13915	-0.01247	0.78818	-0.20581	7.33E-06
0.00466	0.288211	2.20E-10	0.161255	0.00047	0.170033	0.00022	0.275572	1.39E-09
1.18E-09	0.347436	1.07E-14	0.100581	0.02976	0.179859	9.29E-05	0.304253	1.85E-11
0.00342	0.211387	4.06E-06	0.100963	0.02914	0.244407	8.85E-08	0.28971	1.76E-10
0.00284	0.307304	1.14E-11	0.113949	0.01374	0.134173	0.00367	0.188538	4.13E-05
3.60E-07	0.288266	2.18E-10	0.187115	4.73E-05	0.192763	2.74E-05	0.348003	9.66E-15
2.19E-06	0.245011	8.21E-08	0.345986	1.41E-14	0.086988	0.06033	0.285234	3.42E-10
0.00033	-0.22302	1.13E-06	-0.1632	0.0004	-0.15531	0.00076	-0.16765	0.00027
0.00542	0.206196	7.04E-06	0.137489	0.00291	0.056315	0.22448	0.373632	6.42E-17
0.51183	-0.00061	0.98947	0.05151	0.26661	0.039047	0.39986	0.103825	0.02485
1.24E-06	0.256272	1.94E-08	0.19529	2.14E-05	0.196778	1.84E-05	0.341998	2.93E-14
2.45E-05	0.294708	8.22E-11	0.15648	0.00069	0.119089	0.01	0.345229	1.62E-14
1.98E-05	0.28583	3.13E-10	0.201281	1.17E-05	0.170414	0.00022	0.453869	4.13E-25

0.01041	-0.11346	0.01416	0.037438	0.41957	-0.08213	0.07621	-0.25196	3.40E-08
1.54E-22	0.353212	3.62E-15	0.168687	0.00025	0.081506	0.07848	0.357159	1.70E-15
0.00013	0.260323	1.13E-08	0.198887	1.49E-05	0.193273	2.61E-05	0.354447	2.86E-15
0.00355	0.14656	0.00149	0.075571	0.10288	0.055702	0.22958	0.315525	2.97E-12
0.0087	0.075862	0.10156	0.025056	0.58914	0.015107	0.74472	0.132988	0.00399
3.17E-12	0.433341	8.43E-23	0.269508	3.25E-09	0.119366	0.00983	0.277271	1.09E-09
2.69E-07	0.368207	1.93E-16	0.18561	5.45E-05	0.121592	0.00853	0.466448	1.32E-26
0.00382	0.145022	0.00168	0.162038	0.00044	0.080199	0.08341	0.403256	1.09E-19
2.59E-06	0.279702	7.68E-10	0.123235	0.00767	0.137066	0.003	0.341882	3.00E-14
0.00729	0.175303	0.00014	0.19069	3.35E-05	0.121245	0.00872	0.247355	6.11E-08
0.25453	0.076247	0.09983	0.434754	5.91E-23	0.135139	0.00343	0.279989	7.37E-10
4.89E-15	-0.38224	1.07E-17	-0.065	0.16079	-0.07437	0.10848	-0.28094	6.41E-10
2.74E-07	0.299906	3.68E-11	0.227892	6.45E-07	0.146327	0.00152	0.304601	1.75E-11
1.82E-06	0.288701	2.04E-10	0.08459	0.06779	0.235103	2.76E-07	0.183368	6.72E-05
4.54E-11	0.287783	2.34E-10	0.16197	0.00044	0.094434	0.04137	0.343383	2.28E-14
0.00021	0.305697	1.47E-11	0.110576	0.01683	0.075961	0.10111	0.150877	0.00107
8.77E-05	0.222126	1.25E-06	0.09618	0.03774	0.180309	8.92E-05	0.311692	5.58E-12
0.39301	0.131677	0.00437	0.077072	0.0962	0.104476	0.02395	0.189233	3.86E-05
0.4131	0.010357	0.82336	0.06137	0.18553	0.016791	0.71742	0.089437	0.05343
0.6996	0.074179	0.10939	0.160937	0.00048	0.124983	0.00685	0.198525	1.55E-05
2.40E-06	0.297032	5.75E-11	0.132137	0.00423	0.09315	0.04422	0.497465	1.45E-30
0.00013	0.31144	5.81E-12	0.146402	0.00151	0.125565	0.00659	0.304154	1.88E-11
0.02648	0.138187	0.00277	0.044567	0.33655	0.077408	0.09475	0.222954	1.14E-06
0.00582	0.238322	1.87E-07	0.061228	0.18655	0.056172	0.22567	0.338124	5.93E-14
1.96E-13	0.438021	2.59E-23	0.16416	0.00037	0.183879	6.41E-05	0.416744	4.80E-21
0.18019	0.146566	0.00149	0.089366	0.05362	0.059282	0.20097	0.332034	1.76E-13
0.01241	0.232249	3.87E-07	0.125169	0.00676	0.14626	0.00153	0.178604	0.0001
5.30E-11	0.346384	1.31E-14	0.155408	0.00075	0.153876	0.00085	0.570246	1.25E-41
7.65E-06	-0.36738	2.27E-16	-0.13505	0.00345	-0.10568	0.02237	-0.37168	9.56E-17
9.26E-16	0.455224	2.87E-25	0.261678	9.46E-09	0.159375	0.00055	0.384158	7.17E-18
0.06433	-0.01966	0.6717	-0.19481	2.24E-05	-0.00612	0.895	-0.26557	5.59E-09
1.46E-09	0.407846	3.83E-20	0.123912	0.00734	0.155838	0.00073	0.298076	4.89E-11
0.00017	0.242706	1.09E-07	0.180098	9.09E-05	0.175218	0.00014	0.389572	2.25E-18
0.00808	0.16511	0.00034	0.075217	0.1045	0.076375	0.09926	0.420092	2.16E-21
0.01137	0.242929	1.06E-07	0.092639	0.04541	0.133378	0.00388	0.265536	5.61E-09
1.84E-10	0.376324	3.69E-17	0.163862	0.00038	0.173053	0.00017	0.442479	8.26E-24
6.93E-12	0.39284	1.11E-18	0.163567	0.00039	0.156003	0.00072	0.534234	8.07E-36
1.38E-11	0.394994	6.90E-19	0.132332	0.00417	0.084271	0.06884	0.469277	5.98E-27
0.00103	0.205488	7.58E-06	0.007735	0.8676	-0.02696	0.5612	0.234269	3.05E-07
2.10E-06	0.306829	1.23E-11	0.153156	0.0009	0.130905	0.0046	0.525769	1.49E-34
0.0537	0.165543	0.00033	0.105163	0.02304	0.032349	0.48557	0.31617	2.66E-12
9.50E-06	0.280491	6.85E-10	0.108941	0.01853	0.058096	0.21015	0.171386	0.0002
6.32E-08	0.359084	1.17E-15	0.181453	8.03E-05	0.120702	0.00903	0.435098	5.42E-23
0.14201	0.028392	0.54051	0.073749	0.11147	0.069489	0.13376	0.267277	4.42E-09
1.34E-05	0.263261	7.65E-09	0.195387	2.12E-05	0.196167	1.96E-05	0.453778	4.23E-25

0.00047	0.248132	5.54E-08	0.188431	4.17E-05	0.186289	5.11E-05	0.444442	4.97E-24
3.38E-06	0.25963	1.24E-08	0.102706	0.02646	0.071257	0.12412	0.390774	1.73E-18
5.63E-07	0.298956	4.26E-11	0.149898	0.00116	0.0776	0.09394	0.339821	4.36E-14
1.19E-09	0.360702	8.53E-16	0.153267	0.00089	0.132253	0.0042	0.488665	2.12E-29
0.00022	-0.23727	2.13E-07	-0.12288	0.00785	-0.08107	0.0801	-0.28624	2.95E-10
9.41E-10	0.33761	6.50E-14	0.177144	0.00012	0.158883	0.00057	0.546328	1.08E-37
6.49E-14	0.401519	1.61E-19	0.132202	0.00421	0.166923	0.00029	0.619965	6.21E-51
6.05E-09	0.378999	2.12E-17	0.382508	1.02E-17	0.115164	0.01276	0.274239	1.68E-09
4.73E-07	0.375305	4.56E-17	0.254366	2.49E-08	0.106793	0.02099	0.23109	4.44E-07
6.24E-07	0.304429	1.80E-11	0.193629	2.52E-05	0.164637	0.00035	0.471648	3.06E-27
0.19273	0.211197	4.15E-06	0.258374	1.47E-08	0.225357	8.64E-07	0.225499	8.50E-07
0.0004	0.270571	2.81E-09	0.108344	0.01918	0.063706	0.16932	0.181441	8.04E-05
2.21E-13	0.412304	1.36E-20	0.063941	0.16775	0.081697	0.07778	0.248544	5.26E-08
0.09226	0.136283	0.00317	0.159065	0.00056	0.191646	3.06E-05	0.213402	3.27E-06
0.00476	0.225309	8.69E-07	0.127722	0.00571	0.116575	0.0117	0.257998	1.55E-08
0.0001	-0.23141	4.28E-07	-0.11962	0.00967	-0.06244	0.17797	-0.25917	1.32E-08
0.03694	0.177769	0.00011	0.181224	8.20E-05	0.096645	0.03682	0.3365	7.94E-14
2.26E-05	0.232368	3.82E-07	0.069413	0.13418	0.099591	0.03142	0.179701	9.43E-05
2.18E-06	0.32967	2.66E-13	0.153297	0.00089	0.103911	0.02473	0.362807	5.64E-16
7.75E-11	0.36157	7.19E-16	0.153992	0.00084	0.145511	0.00162	0.605671	4.33E-48
1.17E-23	0.513818	7.99E-33	0.18277	7.11E-05	0.086039	0.0632	0.348493	8.82E-15
1.28E-14	0.453921	4.08E-25	0.183281	6.78E-05	0.22079	1.45E-06	0.508197	4.92E-32
1.38E-22	0.54672	9.37E-38	0.162245	0.00043	0.162193	0.00043	0.415705	6.14E-21
1.51E-09	0.348831	8.28E-15	0.138872	0.00263	0.128866	0.00529	0.560689	5.10E-40
9.38E-11	0.361455	7.36E-16	0.143315	0.0019	0.123765	0.00741	0.61876	1.09E-50
3.94E-16	0.493146	5.45E-30	0.127842	0.00566	0.217747	2.03E-06	0.531872	1.84E-35
8.17E-08	0.332708	1.56E-13	0.135554	0.00333	0.125637	0.00656	0.38247	1.02E-17
2.05E-08	0.279224	8.23E-10	0.187227	4.68E-05	0.182342	7.40E-05	0.493983	4.22E-30
1.32E-06	0.296141	6.60E-11	0.081759	0.07756	0.04582	0.32314	0.514067	7.37E-33
9.12E-06	0.275548	1.39E-09	0.181593	7.93E-05	0.171136	0.0002	0.410461	2.09E-20
1.07E-09	0.352596	4.07E-15	0.110882	0.01652	0.139787	0.00247	0.489702	1.55E-29
2.79E-11	0.365575	3.26E-16	0.146627	0.00149	0.123816	0.00739	0.60759	1.83E-48
8.62E-12	0.387644	3.41E-18	0.14216	0.00207	0.132015	0.00427	0.592185	1.55E-45
0.00423	0.182048	7.60E-05	0.290222	1.63E-10	0.122486	0.00805	0.364596	3.96E-16
2.40E-06	0.281784	5.68E-10	0.120548	0.00912	0.100461	0.02996	0.330711	2.22E-13
2.11E-05	0.261787	9.33E-09	0.133373	0.00388	0.134726	0.00353	0.340151	4.11E-14
1.11E-05	0.311174	6.07E-12	0.141145	0.00223	0.133359	0.00389	0.433453	8.20E-23
0.04641	0.122352	0.00812	0.016127	0.72814	0.003923	0.93262	0.284779	3.66E-10
3.68E-06	0.240936	1.36E-07	0.103326	0.02556	0.092414	0.04593	0.388976	2.56E-18
3.58E-05	0.259693	1.23E-08	0.115532	0.01248	0.041737	0.36816	0.170049	0.00022
0.00042	0.253104	2.93E-08	0.167846	0.00027	0.158938	0.00057	0.351512	4.99E-15
3.68E-09	0.307744	1.06E-11	0.221864	1.28E-06	0.184887	5.83E-05	0.373682	6.36E-17
0.25209	0.008758	0.85027	0.094871	0.04043	0.057016	0.21876	0.179689	9.44E-05
2.37E-09	0.303156	2.20E-11	0.09239	0.04599	0.038042	0.4121	0.180345	8.89E-05
0.00918	0.176194	0.00013	0.146688	0.00148	0.045375	0.32786	0.222934	1.14E-06

0.00062	0.297867	5.05E-11	0.183748	6.49E-05	0.285225	3.43E-10	0.165316	0.00033
5.55E-06	-0.22083	1.44E-06	-0.22099	1.42E-06	0.00377	0.93525	-0.25811	1.52E-08
1.00E-11	0.365457	3.34E-16	0.129312	0.00513	0.109761	0.01766	0.631922	1.99E-53
0.23455	-0.0205	0.65865	-0.07307	0.1148	-0.15281	0.00092	-0.20978	4.82E-06
2.80E-11	-0.35358	3.37E-15	-0.18389	6.40E-05	-0.10405	0.02454	-0.21987	1.61E-06
3.61E-06	0.306901	1.21E-11	0.210461	4.49E-06	0.203916	8.93E-06	0.453368	4.73E-25
0.00165	0.256645	1.85E-08	0.114784	0.01306	0.095473	0.03917	0.155677	0.00074
0.00041	0.238592	1.81E-07	0.100925	0.0292	0.119799	0.00956	0.332694	1.56E-13
0.00057	0.179863	9.29E-05	0.067842	0.14324	0.041452	0.37145	0.36289	5.55E-16
8.22E-06	0.27249	2.14E-09	0.110664	0.01674	0.069072	0.13611	0.434441	6.40E-23
0.01839	0.117735	0.01089	0.07561	0.1027	0.049548	0.28528	0.303359	2.13E-11
0.00407	0.215157	2.70E-06	0.195485	2.10E-05	0.187157	4.71E-05	0.383647	7.99E-18
1.45E-06	0.283696	4.29E-10	0.208393	5.59E-06	0.206176	7.06E-06	0.36078	8.40E-16
0.00119	0.240987	1.35E-07	0.147756	0.00136	0.090308	0.05114	0.336409	8.07E-14
0.01139	0.152214	0.00097	0.145691	0.00159	0.197367	1.74E-05	0.303393	2.12E-11
6.04E-13	-0.35427	2.96E-15	-0.05387	0.24531	-0.09045	0.05077	-0.24364	9.74E-08
3.46E-05	0.20312	9.69E-06	0.03541	0.44523	0.049072	0.28994	0.200299	1.29E-05
4.81E-25	0.563565	1.69E-40	0.114219	0.01352	0.086952	0.06044	0.335925	8.80E-14
1.14E-09	0.419118	2.73E-21	0.1768	0.00012	0.154202	0.00083	0.432039	1.17E-22
7.95E-06	0.264646	6.34E-09	0.160561	0.0005	0.159406	0.00054	0.391792	1.39E-18
1.56E-08	0.30974	7.67E-12	0.203609	9.22E-06	0.216479	2.34E-06	0.476555	7.49E-28
0.5023	0.105234	0.02295	0.069519	0.13359	0.07288	0.11576	0.108396	0.01912
0.35102	0.151426	0.00103	0.148889	0.00125	0.13486	0.0035	0.112229	0.01525
1.49E-06	0.326457	4.65E-13	0.129924	0.00492	0.2419	1.21E-07	0.28117	6.21E-10
0.00047	0.239742	1.57E-07	0.103913	0.02473	0.092557	0.0456	0.336291	8.24E-14
0.00031	0.182342	7.40E-05	0.213168	3.36E-06	0.09399	0.04234	0.21134	4.09E-06
3.83E-05	0.270155	2.97E-09	0.160932	0.00048	0.337031	7.22E-14	0.412291	1.37E-20
0.00023	0.281932	5.56E-10	0.185251	5.64E-05	0.186659	4.94E-05	0.325478	5.51E-13
0.09695	0.026602	0.56636	-0.01669	0.71902	0.019114	0.68035	-0.16685	0.00029
4.87E-06	0.219781	1.62E-06	0.059502	0.1993	0.013854	0.76524	0.243506	9.90E-08
0.01214	0.205396	7.66E-06	0.096882	0.03635	0.108999	0.01846	0.347095	1.14E-14
4.21E-07	0.306048	1.39E-11	0.188465	4.16E-05	0.149439	0.0012	0.501663	3.91E-31
0.10853	0.075707	0.10226	0.051517	0.26654	0.110314	0.01709	0.22822	6.21E-07
2.37E-10	0.38896	2.57E-18	0.129296	0.00514	0.065479	0.15774	0.219026	1.76E-06
6.69E-09	0.342936	2.47E-14	0.118823	0.01017	0.072967	0.11533	0.291925	1.26E-10
9.23E-11	0.407326	4.31E-20	0.1376	0.00288	0.131499	0.00442	0.499813	6.97E-31
0.03276	0.243613	9.77E-08	0.154869	0.00078	0.051379	0.26783	0.210419	4.51E-06
3.06E-07	0.251041	3.82E-08	0.222387	1.21E-06	0.087119	0.05995	0.395641	5.98E-19
0.02032	0.093963	0.0424	0.07388	0.11083	0.095408	0.03931	0.403454	1.04E-19
2.78E-06	0.261738	9.39E-09	0.184243	6.20E-05	0.18267	7.18E-05	0.476287	8.10E-28
0.06588	0.129554	0.00505	0.05525	0.23339	0.036128	0.43604	0.293696	9.60E-11
1.83E-15	0.473398	1.86E-27	0.134231	0.00366	0.087655	0.05838	0.390431	1.87E-18
5.23E-08	0.327608	3.81E-13	0.116076	0.01207	0.095906	0.03829	0.513488	8.90E-33
0.87033	0.04786	0.30203	0.059107	0.20231	0.027022	0.56023	0.124419	0.0071
4.21E-06	0.290185	1.64E-10	0.123045	0.00777	0.104346	0.02413	0.432611	1.01E-22

5.43E-06	0.255877	2.04E-08	0.104437	0.02401	0.112959	0.01459	0.412979	1.16E-20
6.45E-09	-0.27982	7.54E-10	-0.0701	0.13037	-0.05496	0.23585	-0.26814	3.93E-09
3.95E-07	0.221715	1.31E-06	0.132384	0.00416	0.121754	0.00844	0.449635	1.27E-24
0.01092	0.175782	0.00013	0.051539	0.26634	0.018044	0.69734	0.271702	2.40E-09
9.85E-05	0.23401	3.14E-07	0.178906	0.0001	0.232554	3.74E-07	0.359936	9.90E-16
0.03804	0.205036	7.95E-06	0.050187	0.27911	0.053301	0.25032	0.350981	5.52E-15
0.01063	0.169618	0.00023	0.151477	0.00102	0.156006	0.00072	0.372613	7.91E-17
5.52E-05	0.273962	1.74E-09	0.142662	0.002	0.236032	2.47E-07	0.196538	1.89E-05
0.01946	0.143157	0.00193	0.049844	0.28241	0.056523	0.22278	0.191561	3.08E-05
4.26E-11	0.414057	9.05E-21	0.196284	1.94E-05	0.173696	0.00016	0.304174	1.88E-11
1.14E-05	0.291226	1.40E-10	0.201002	1.20E-05	0.177894	0.00011	0.426449	4.64E-22
3.93E-05	-0.21023	4.60E-06	-0.10428	0.02423	-0.08143	0.07877	-0.22236	1.21E-06
6.70E-06	0.242648	1.10E-07	0.106128	0.0218	0.122195	0.00821	0.284584	3.77E-10
1.77E-24	0.526713	1.08E-34	0.117672	0.01093	0.1134	0.01421	0.466165	1.43E-26
0.01525	0.158969	0.00056	0.196349	1.92E-05	0.191961	2.97E-05	0.304562	1.76E-11
0.00092	0.269084	3.45E-09	0.390371	1.89E-18	0.100007	0.03071	0.228892	5.74E-07
3.20E-08	0.314658	3.42E-12	0.138972	0.00261	0.137155	0.00298	0.36666	2.63E-16
0.00063	0.228995	5.67E-07	0.13483	0.00351	0.133484	0.00385	0.384054	7.33E-18
4.34E-20	0.606418	3.10E-48	0.239797	1.56E-07	0.269487	3.26E-09	0.372808	7.60E-17
1.47E-06	0.350119	6.50E-15	0.213744	3.15E-06	0.134017	0.00371	0.261792	9.32E-09
0.88915	0.038123	0.41111	0.005185	0.91102	-0.03119	0.50137	-0.15945	0.00054
0.28323	0.114009	0.01369	0.039557	0.39373	0.051398	0.26766	0.262169	8.86E-09
0.00026	-0.15668	0.00068	-0.11459	0.01321	-0.11188	0.01557	-0.18344	6.68E-05
0.79998	0.043748	0.34551	0.055403	0.23209	0.102774	0.02636	0.255657	2.10E-08
0.00073	0.244575	8.67E-08	0.157153	0.00065	0.089974	0.052	0.589861	4.15E-45
0.00204	0.184579	6.00E-05	0.129746	0.00498	0.128995	0.00524	0.393941	8.69E-19
0.0003	0.262822	8.11E-09	0.104537	0.02387	0.285702	3.19E-10	0.175331	0.00014
1.65E-05	0.288798	2.01E-10	0.179043	0.0001	0.112703	0.01482	0.364483	4.05E-16
0.23012	0.144142	0.00179	0.052668	0.256	0.041927	0.36599	0.138101	0.00278
1.32E-07	0.261714	9.42E-09	0.142174	0.00207	0.073268	0.11383	0.226116	7.92E-07
3.47E-16	0.504959	1.38E-31	0.24264	1.10E-07	0.167072	0.00029	0.34212	2.87E-14
8.44E-29	0.576035	1.24E-42	0.16407	0.00037	0.140345	0.00237	0.433372	8.36E-23
3.92E-05	0.305165	1.60E-11	0.117913	0.01077	0.125197	0.00675	0.265385	5.73E-09
3.49E-05	0.247093	6.32E-08	0.12831	0.00549	0.081803	0.0774	0.130139	0.00485
1.72E-13	0.439033	2.00E-23	0.177412	0.00012	0.148268	0.00131	0.317767	2.04E-12
7.51E-16	0.467988	8.59E-27	0.141679	0.00215	0.199467	1.41E-05	0.433222	8.68E-23
1.45E-14	0.49384	4.41E-30	0.149477	0.0012	0.181037	8.34E-05	0.482568	1.30E-28
1.21E-05	0.367818	2.08E-16	0.183695	6.52E-05	0.189453	3.78E-05	0.220523	1.49E-06
9.62E-09	0.269377	3.31E-09	0.060252	0.19369	0.033659	0.46807	0.345179	1.63E-14
0.00017	0.330295	2.39E-13	0.112409	0.01508	0.205136	7.87E-06	0.312902	4.57E-12
1.41E-05	0.286073	3.02E-10	0.162127	0.00044	0.17337	0.00017	0.199034	1.47E-05
2.88E-22	0.562685	2.37E-40	0.136376	0.00315	0.173246	0.00017	0.474531	1.34E-27
8.66E-21	0.510346	2.47E-32	0.100574	0.02977	0.140587	0.00233	0.464224	2.46E-26
4.51E-24	0.500759	5.19E-31	0.172455	0.00018	0.124349	0.00714	0.435108	5.41E-23
3.27E-18	0.549835	2.99E-38	0.141272	0.00221	0.222503	1.20E-06	0.310507	6.77E-12



5.26E-08	0.401608	1.58E-19	0.149753	0.00117	0.235915	2.50E-07	0.347967	9.73E-15
4.02E-06	0.324922	6.06E-13	0.160186	0.00051	0.229877	5.12E-07	0.369667	1.44E-16
0.00013	0.283492	4.42E-10	0.149421	0.0012	0.136063	0.00322	0.181925	7.69E-05
0.00153	0.193069	2.66E-05	0.12759	0.00576	0.098577	0.03319	0.320627	1.26E-12
2.09E-17	0.499674	7.28E-31	0.117527	0.01103	0.087598	0.05855	0.341024	3.50E-14
0.06826	0.132774	0.00405	0.05896	0.20344	0.238563	1.82E-07	0.312454	4.92E-12
9.10E-22	-0.53714	2.90E-36	-0.04534	0.32827	-0.08326	0.07226	-0.29692	5.85E-11
1.07E-17	-0.46363	2.90E-26	-0.07256	0.11736	-0.14244	0.00203	-0.019	0.68217
7.79E-36	-0.64065	2.57E-55	-0.09727	0.03561	-0.14081	0.00229	-0.35839	1.34E-15
8.62E-51	0.764519	1.01E-90	0.130665	0.00468	0.205633	7.47E-06	0.345133	1.65E-14
4.76E-10	0.462955	3.49E-26	0.110154	0.01725	0.058356	0.20811	0.125182	0.00676
2.37E-21	0.614406	8.25E-50	0.107365	0.0203	0.116343	0.01187	0.166489	0.0003
2.14E-30	0.52153	6.23E-34	0.082776	0.07392	0.075178	0.10469	0.106784	0.021
1.97E-21	0.607166	2.22E-48	0.021071	0.6497	0.120515	0.00914	0.202655	1.02E-05
7.19E-53	0.777031	1.58E-95	0.131391	0.00445	0.117993	0.01071	0.029376	0.52657
1.93E-58	0.825098	#####	0.17321	0.00017	0.16615	0.00031	0.255684	2.09E-08
5.50E-19	-0.5419	5.35E-37	-0.1106	0.0168	-0.19249	2.82E-05	-0.15834	0.00059
1.04E-25	0.626603	2.64E-52	0.121243	0.00872	0.151402	0.00103	0.069623	0.13301
9.92E-53	0.758226	2.04E-88	0.084047	0.06958	0.078034	0.09211	0.164758	0.00035
1.05E-67	0.782249	1.26E-97	0.134093	0.00369	0.098899	0.03262	0.299573	3.87E-11
9.78E-32	0.647909	6.16E-57	0.089734	0.05264	0.138883	0.00263	0.2795	7.91E-10
3.02E-12	-0.4315	1.33E-22	-0.16248	0.00042	-0.19159	3.07E-05	-0.18734	4.63E-05
4.19E-13	0.460862	6.21E-26	0.076859	0.09713	0.133246	0.00392	0.123688	0.00745
6.15E-10	0.465828	1.57E-26	0.399806	2.37E-19	0.116403	0.01183	0.216151	2.42E-06
7.85E-22	0.612507	1.97E-49	0.026789	0.56363	0.222955	1.14E-06	0.040424	0.38344
1.45E-67	0.83128	#####	0.080524	0.08216	0.127894	0.00564	0.122372	0.00811
3.87E-27	0.581918	1.13E-43	0.011869	0.7981	0.092264	0.04629	0.086926	0.06052
3.11E-49	0.71295	1.08E-73	0.064524	0.16389	0.082749	0.07402	0.146127	0.00154
1.51E-11	0.422038	1.35E-21	0.153521	0.00087	0.10949	0.01794	0.161857	0.00045
5.71E-19	0.501028	4.77E-31	-0.02853	0.53849	0.049092	0.28974	0.144587	0.00173
8.89E-19	0.556981	2.09E-39	0.094968	0.04023	0.134	0.00372	0.195648	2.06E-05
3.14E-31	0.638469	7.71E-55	0.088553	0.05584	0.079779	0.08504	0.317587	2.10E-12
1.22E-30	0.590338	3.39E-45	0.108885	0.01859	0.06093	0.18871	0.212807	3.49E-06
3.50E-09	0.459546	8.90E-26	0.024556	0.59658	0.132866	0.00402	-0.0402	0.38607
1.90E-21	0.607001	2.39E-48	0.053117	0.25196	0.098928	0.03257	0.041839	0.36699
7.51E-73	0.836224	#####	0.049738	0.28344	0.134428	0.00361	0.125164	0.00676
3.99E-87	0.88746	#####	0.157137	0.00065	0.117206	0.01125	0.27275	2.07E-09
2.08E-28	0.5313	2.24E-35	0.111447	0.01598	0.156769	0.00067	0.07103	0.12533
4.90E-12	0.419878	2.28E-21	0.148486	0.00129	0.077608	0.0939	0.004316	0.92589
7.13E-21	0.521314	6.70E-34	0.149607	0.00118	0.134595	0.00357	0.234125	3.10E-07
1.19E-65	0.856407	#####	0.09402	0.04227	0.145569	0.00161	0.199192	1.45E-05
4.20E-30	0.678963	2.14E-64	-0.0017	0.9708	0.171825	0.00019	0.165392	0.00033
5.66E-36	0.586765	1.52E-44	0.019049	0.68137	0.0533	0.25033	0.26556	5.60E-09
1.59E-52	0.745511	5.75E-84	0.123819	0.00739	0.129089	0.00521	0.267139	4.51E-09
6.74E-14	0.474155	1.49E-27	0.313613	4.07E-12	0.113195	0.01439	0.199358	1.42E-05

0.00264	0.335587	9.35E-14	0.053492	0.24863	0.058821	0.2045	-0.05849	0.2071
4.07E-35	0.712951	1.08E-73	0.114333	0.01343	0.151789	0.001	0.316328	2.59E-12
4.41E-29	0.646074	1.60E-56	0.101937	0.02761	0.090162	0.05152	0.069962	0.13112
2.77E-22	0.518929	1.48E-33	0.174341	0.00015	0.120322	0.00925	0.230842	4.57E-07
1.82E-15	0.526293	1.25E-34	0.196473	1.90E-05	-0.0132	0.77601	0.002439	0.95808
2.46E-27	0.518603	1.65E-33	0.180819	8.51E-05	0.082931	0.07338	0.184372	6.12E-05
9.71E-14	0.434591	6.16E-23	-0.01242	0.78889	0.107701	0.01991	0.299521	3.90E-11
1.04E-85	0.79089	#####	0.051219	0.26933	0.127972	0.00561	0.294763	8.15E-11
2.37E-12	0.499591	7.47E-31	0.109748	0.01767	0.12556	0.00659	0.062376	0.17841
1.75E-12	0.446699	2.76E-24	0.06502	0.16067	0.090251	0.05128	-0.03337	0.47184
2.50E-17	0.462167	4.34E-26	0.143362	0.0019	0.230553	4.73E-07	-0.00799	0.86327
6.18E-66	0.788048	#####	0.037062	0.42427	0.096111	0.03787	0.104228	0.02429
8.17E-59	0.77796	6.74E-96	0.167939	0.00027	0.195657	2.06E-05	0.348706	8.47E-15
4.06E-18	0.454137	3.85E-25	0.163606	0.00039	0.063344	0.17176	0.205121	7.88E-06
1.53E-55	0.749337	2.81E-85	0.076332	0.09945	0.102542	0.0267	0.178168	0.00011
2.67E-16	-0.53094	2.54E-35	-0.10635	0.02153	-0.1749	0.00015	-0.06137	0.18556
7.01E-21	-0.51195	1.47E-32	-0.14365	0.00186	-0.10106	0.02899	-0.16521	0.00034
6.27E-17	0.564641	1.12E-40	0.24398	9.34E-08	0.059695	0.19785	0.243781	9.57E-08
2.11E-58	0.754368	4.89E-87	0.094265	0.04173	0.161641	0.00045	0.242604	1.11E-07
8.12E-20	0.533756	9.53E-36	0.109003	0.01846	0.091359	0.04848	0.110219	0.01718
3.09E-44	0.728166	2.63E-78	0.117643	0.01095	0.154744	0.00079	0.138904	0.00263
6.03E-56	0.765073	6.28E-91	0.13035	0.00478	0.205542	7.54E-06	0.142753	0.00198
2.53E-91	0.816324	#####	0.146281	0.00153	0.140972	0.00226	0.291573	1.33E-10
7.64E-62	0.755198	2.48E-87	0.12168	0.00848	0.099839	0.03099	0.209727	4.85E-06
6.95E-19	-0.43945	1.80E-23	-0.18694	4.81E-05	-0.12927	0.00515	-0.30602	1.40E-11
6.95E-16	0.56598	6.64E-41	0.124534	0.00705	0.129143	0.00519	0.096342	0.03741
2.93E-67	0.778154	5.64E-96	0.060785	0.18977	0.020989	0.65097	0.185712	5.40E-05
1.96E-20	-0.51554	4.55E-33	-0.15143	0.00103	-0.20177	1.11E-05	-0.24965	4.57E-08
4.62E-25	0.549777	3.06E-38	0.087256	0.05954	0.164704	0.00035	0.266557	4.88E-09
5.80E-63	0.744115	1.71E-83	0.119135	0.00997	0.171322	0.0002	0.221372	1.36E-06
1.47E-48	0.751871	3.70E-86	0.123092	0.00774	0.227749	6.56E-07	0.166814	0.00029
3.62E-58	0.778019	6.38E-96	0.159282	0.00055	0.14372	0.00185	0.195795	2.03E-05
4.72E-47	0.752276	2.67E-86	0.058264	0.20883	0.064065	0.16692	0.167405	0.00028
4.52E-16	0.409595	2.56E-20	0.164284	0.00036	0.065618	0.15685	0.08327	0.07221
2.45E-55	0.821369	#####	0.118741	0.01022	0.165148	0.00034	0.172382	0.00018
4.67E-18	-0.45234	6.22E-25	-0.06218	0.17977	-0.13272	0.00406	-0.09256	0.04558
5.28E-20	-0.51589	4.05E-33	-0.06087	0.18912	-0.06983	0.13187	-0.07815	0.0916
1.38E-52	0.744082	1.75E-83	0.092883	0.04484	0.099755	0.03114	0.252061	3.35E-08
3.39E-07	0.422203	1.30E-21	0.135647	0.00331	0.12801	0.0056	0.121122	0.00879
2.93E-52	0.784075	2.25E-98	0.075221	0.10449	0.090192	0.05144	0.254714	2.38E-08
2.31E-59	0.765203	5.62E-91	0.159613	0.00054	0.133467	0.00386	0.304481	1.79E-11
1.67E-88	0.843249	#####	0.068377	0.1401	0.09833	0.03364	0.256342	1.92E-08
3.25E-44	0.745207	7.29E-84	0.030611	0.50932	0.196758	1.85E-05	0.308389	9.54E-12
9.79E-13	-0.50864	4.27E-32	-0.03875	0.40346	-0.14259	0.00201	-0.08102	0.08028
1.95E-18	-0.51951	1.22E-33	-0.19995	1.34E-05	-0.08062	0.08178	-0.20238	1.05E-05

8.64E-14	0.418098	3.48E-21	0.048859	0.29204	0.053551	0.2481	0.265314	5.79E-09
1.74E-25	-0.54101	7.35E-37	-0.06073	0.19019	-0.12514	0.00677	-0.263	7.92E-09
1.32E-16	0.505592	1.13E-31	-0.04023	0.38575	0.121272	0.00871	0.098186	0.0339
1.32E-64	0.730586	4.53E-79	0.133453	0.00386	0.127439	0.00582	0.199711	1.37E-05
1.33E-35	0.675634	1.50E-63	0.137332	0.00294	0.118502	0.01038	0.093592	0.04322
1.22E-07	0.43384	7.44E-23	0.057767	0.21274	0.123561	0.00751	0.064142	0.16641
6.23E-17	0.497819	1.30E-30	0.195394	2.12E-05	0.007598	0.86993	0.083939	0.06994
5.47E-42	0.673022	6.74E-63	0.109103	0.01835	0.123629	0.00748	0.234294	3.04E-07
8.07E-17	-0.47532	1.07E-27	-0.08459	0.06778	-0.11292	0.01463	-0.1844	6.10E-05
5.66E-11	0.384344	6.89E-18	-0.00424	0.92727	-0.0307	0.50815	0.215982	2.47E-06
3.23E-08	0.46742	1.01E-26	0.135864	0.00326	0.168376	0.00026	0.025692	0.5797
1.19E-15	0.531355	2.20E-35	0.106518	0.02132	0.123798	0.0074	0.006673	0.88564
3.68E-57	0.794349	#####	0.050314	0.2779	0.128199	0.00553	0.152382	0.00095
3.19E-27	0.557946	1.45E-39	0.051417	0.26748	0.017192	0.71097	0.184221	6.21E-05
2.04E-38	0.693078	4.24E-68	0.108212	0.01933	0.133141	0.00395	0.145476	0.00162
3.84E-51	0.729044	1.39E-78	0.156661	0.00068	0.100781	0.02944	0.242603	1.11E-07
1.00E-57	0.793029	#####	0.055941	0.22758	0.168561	0.00025	0.263409	7.50E-09
1.69E-17	0.526988	9.85E-35	0.091682	0.04769	0.092464	0.04582	0.23614	2.44E-07
5.68E-75	0.836002	#####	0.157609	0.00063	0.08952	0.05321	0.214454	2.92E-06
7.12E-19	0.544992	1.75E-37	0.050595	0.27522	0.031152	0.50187	0.209778	4.83E-06
2.19E-29	0.622122	2.24E-51	0.19548	2.10E-05	0.206171	7.06E-06	0.217683	2.05E-06
1.13E-43	0.738994	8.69E-82	0.154547	0.00081	0.157729	0.00062	0.146865	0.00146
1.06E-16	0.409701	2.50E-20	0.065167	0.15972	0.053341	0.24997	0.144587	0.00173
1.01E-68	0.748508	5.43E-85	0.077542	0.09419	0.106963	0.02078	0.170903	0.00021
9.48E-19	0.560244	6.05E-40	0.049581	0.28496	0.129643	0.00502	0.145344	0.00164
9.30E-42	0.730875	3.67E-79	0.04783	0.30234	0.230577	4.72E-07	0.162116	0.00044
1.00E-67	0.811348	#####	0.138178	0.00277	0.154027	0.00084	0.272798	2.05E-09
5.70E-18	0.566334	5.78E-41	0.021356	0.64529	0.182127	7.55E-05	0.15797	0.00061
7.15E-12	0.493393	5.05E-30	0.012201	0.79258	0.126588	0.00616	0.056927	0.21948
9.06E-18	0.543451	3.06E-37	0.006841	0.88279	0.152908	0.00092	0.03475	0.45375
2.35E-65	0.720495	6.09E-76	0.114181	0.01355	0.127003	0.00599	0.171837	0.00019
7.60E-88	0.859982	#####	0.147391	0.0014	0.131396	0.00445	0.230549	4.73E-07
7.74E-64	0.777965	6.71E-96	0.082879	0.07356	0.094234	0.0418	0.191112	3.22E-05
3.99E-66	0.807176	#####	0.048929	0.29135	0.140032	0.00242	0.290594	1.54E-10
4.36E-36	0.725558	1.71E-77	0.044997	0.33191	0.170052	0.00022	0.277641	1.03E-09
2.09E-23	0.507115	6.96E-32	0.036607	0.42998	0.045664	0.32478	0.008898	0.84792
7.12E-68	0.790784	#####	0.123256	0.00766	0.173799	0.00016	0.206588	6.76E-06
1.61E-30	0.639886	3.78E-55	0.127686	0.00572	0.135493	0.00335	0.269755	3.14E-09
4.92E-13	0.531208	2.31E-35	0.209848	4.79E-06	0.156575	0.00068	0.109052	0.01841
2.49E-19	0.55093	2.00E-38	0.080834	0.08098	0.125329	0.00669	0.351118	5.38E-15
2.67E-21	0.58996	3.98E-45	0.039722	0.39175	0.076606	0.09824	-0.03024	0.51448
2.11E-30	0.571183	8.62E-42	0.067861	0.14312	0.115946	0.01216	0.116711	0.0116
4.37E-18	-0.4695	5.62E-27	-0.08046	0.08242	-0.15253	0.00094	-0.15867	0.00058
1.08E-14	0.540424	9.07E-37	0.139351	0.00254	0.160729	0.00049	-0.0139	0.76446
2.80E-65	0.757725	3.09E-88	0.098223	0.03383	0.160798	0.00049	0.160422	0.0005

2.22E-52	0.807709	#####	0.085937	0.06352	0.194952	2.21E-05	0.237656	2.03E-07
1.12E-18	0.519749	1.13E-33	0.105967	0.022	0.194058	2.42E-05	0.184782	5.89E-05
5.30E-13	-0.51177	1.56E-32	-0.06893	0.13693	-0.14438	0.00176	-0.13541	0.00337
1.75E-22	0.579246	3.38E-43	0.038553	0.40586	0.083155	0.07261	0.004158	0.92859
3.01E-12	0.415626	6.25E-21	0.016506	0.72202	0.132674	0.00408	0.223565	1.06E-06
1.30E-40	0.760546	2.94E-89	0.074744	0.10671	0.148748	0.00126	0.287846	2.32E-10
8.19E-46	0.648889	3.69E-57	0.051307	0.2685	0.0322	0.48758	0.108028	0.01954
2.36E-19	0.467412	1.01E-26	0.004716	0.91904	0.143061	0.00194	0.036322	0.43358
1.31E-20	0.50538	1.21E-31	0.076433	0.099	0.127615	0.00575	0.232955	3.56E-07
5.72E-38	0.681236	5.61E-65	0.049221	0.28848	0.133877	0.00375	0.26362	7.28E-09
2.81E-62	0.745862	4.37E-84	0.101537	0.02823	0.144925	0.00169	0.264297	6.65E-09
3.98E-21	0.51217	1.37E-32	-0.01686	0.71635	0.079325	0.08684	0.215273	2.67E-06
1.54E-65	0.818613	#####	0.052678	0.2559	0.129442	0.00509	0.171085	0.0002
2.09E-69	0.781355	2.91E-97	0.136199	0.00319	0.161354	0.00046	0.256174	1.96E-08
4.76E-12	0.519327	1.30E-33	0.097383	0.03539	0.145583	0.00161	0.057143	0.21774
3.07E-52	0.793259	#####	0.144127	0.00179	0.166339	0.00031	0.266419	4.98E-09
1.07E-09	-0.468	8.58E-27	-0.058	0.21089	-0.11646	0.01178	-0.14041	0.00236
1.46E-62	0.776623	2.29E-95	0.019103	0.68053	0.133901	0.00374	0.273159	1.95E-09
2.89E-15	-0.4318	1.24E-22	-0.04062	0.38116	-0.02523	0.58653	-0.19332	2.60E-05
4.30E-18	0.488006	2.58E-29	0.077541	0.09419	0.052863	0.25424	0.121816	0.00841
3.96E-24	0.590076	3.79E-45	0.145592	0.00161	0.165618	0.00033	0.214805	2.81E-06
1.36E-28	0.600472	4.32E-47	0.0978	0.03461	0.039049	0.39984	0.126507	0.00619
7.81E-15	0.521833	5.63E-34	0.285125	3.48E-10	0.248333	5.40E-08	0.007954	0.86388
1.64E-31	0.55961	7.70E-40	0.12892	0.00527	0.198004	1.63E-05	0.148727	0.00127
4.65E-52	0.828627	#####	0.193347	2.59E-05	0.141346	0.0022	0.081845	0.07724
1.20E-31	0.731743	1.94E-79	0.140091	0.00241	0.224528	9.50E-07	0.361284	7.61E-16
4.83E-70	0.849179	#####	0.12199	0.00831	0.18275	7.12E-05	0.232619	3.71E-07
7.98E-20	0.597073	1.90E-46	0.080915	0.08068	0.117381	0.01113	0.093453	0.04354
5.32E-23	0.52361	3.10E-34	0.097348	0.03546	0.154279	0.00082	-0.02911	0.53026
7.55E-14	0.428166	3.05E-22	0.156027	0.00072	-0.02409	0.60351	-0.00548	0.90592
3.79E-12	0.446374	3.00E-24	0.074685	0.10699	0.148446	0.00129	0.151977	0.00099
5.24E-52	0.830442	#####	0.028888	0.53347	0.153436	0.00088	0.225698	8.31E-07
1.33E-33	0.694806	1.44E-68	0.070585	0.12772	0.113829	0.01384	0.230772	4.61E-07
1.64E-20	0.500756	5.19E-31	0.119256	0.0099	0.066615	0.15063	0.260338	1.13E-08
5.69E-55	0.7149	2.88E-74	0.071349	0.12364	0.162389	0.00043	0.128919	0.00527
7.43E-52	0.75887	1.19E-88	0.140901	0.00227	0.248583	5.23E-08	0.195425	2.11E-05
5.37E-34	0.639284	5.12E-55	0.08699	0.06033	0.095483	0.03915	0.047459	0.3061
2.96E-69	0.789804	#####	0.022668	0.62512	0.167602	0.00027	0.163339	0.00039
2.51E-20	0.600402	4.45E-47	0.031869	0.49207	0.205578	7.51E-06	0.272625	2.10E-09
1.31E-57	0.749888	1.81E-85	0.071893	0.12079	0.11605	0.01209	0.211649	3.95E-06
7.55E-21	0.521657	5.97E-34	0.218883	1.79E-06	0.04204	0.3647	0.174228	0.00015
9.84E-12	-0.43016	1.86E-22	-0.0358	0.44018	-0.10678	0.021	-0.14235	0.00204
5.70E-61	0.801596	#####	0.063843	0.1684	0.108802	0.01868	0.285612	3.24E-10
1.61E-32	0.645499	2.15E-56	0.153706	0.00086	0.11251	0.01499	0.102804	0.02631
4.73E-14	0.446985	2.56E-24	0.082113	0.07628	0.015943	0.73112	0.200364	1.29E-05

3.78E-44	0.714565	3.63E-74	0.101014	0.02906	0.122878	0.00785	0.095687	0.03873
1.01E-52	0.797171	#####	0.089009	0.05458	0.179746	9.39E-05	0.319792	1.45E-12
3.25E-21	0.495689	2.50E-30	0.149114	0.00123	0.136953	0.00302	0.020447	0.6594
3.40E-16	0.588386	7.72E-45	0.004213	0.92765	0.108453	0.01906	0.156968	0.00066
1.12E-09	-0.30552	1.51E-11	-0.08446	0.06821	-0.08588	0.06369	-0.2484	5.36E-08
1.73E-12	0.527625	7.92E-35	0.124964	0.00685	0.183688	6.53E-05	-0.04332	0.35032
7.93E-30	0.621182	3.50E-51	0.108346	0.01918	0.055993	0.22715	0.235813	2.53E-07
4.27E-46	0.783464	4.01E-98	0.089892	0.05222	0.157427	0.00064	0.107483	0.02017
1.80E-14	0.490019	1.41E-29	0.128656	0.00536	0.179461	9.64E-05	0.104828	0.02348
3.44E-27	-0.64141	1.75E-55	-0.1496	0.00118	-0.19202	2.95E-05	-0.08581	0.06391
1.70E-14	-0.51126	1.83E-32	-0.14544	0.00162	-0.17934	9.75E-05	-0.14175	0.00214
8.33E-12	0.480311	2.52E-28	0.056176	0.22563	0.102863	0.02623	-0.05119	0.26957
1.24E-22	0.532822	1.32E-35	0.059708	0.19775	0.081505	0.07849	0.067428	0.1457
1.24E-28	0.641115	2.03E-55	0.092825	0.04497	0.145422	0.00163	0.178909	0.0001
1.73E-60	0.773049	5.77E-94	0.142401	0.00204	0.134686	0.00354	0.14277	0.00198
1.05E-17	0.471375	3.30E-27	0.12925	0.00515	0.106567	0.02126	-0.01406	0.76188
2.20E-53	0.723227	8.94E-77	0.172272	0.00018	0.165624	0.00033	0.377233	3.06E-17
5.45E-67	0.85124	#####	0.105985	0.02198	0.188368	4.19E-05	0.227912	6.44E-07
7.98E-22	0.602906	1.48E-47	0.129465	0.00508	0.081775	0.0775	0.130841	0.00462
7.99E-18	0.559475	8.11E-40	0.018854	0.68446	0.188288	4.23E-05	0.065202	0.1595
2.92E-52	0.756859	6.33E-88	0.092372	0.04603	0.07336	0.11337	0.240257	1.48E-07
1.62E-10	0.502468	3.04E-31	0.108653	0.01884	0.092517	0.04569	0.138096	0.00278
1.93E-78	0.856033	#####	0.102295	0.02707	0.152866	0.00092	0.192918	2.70E-05
3.73E-41	0.753656	8.73E-87	0.102028	0.02748	0.152708	0.00093	0.199104	1.46E-05
6.55E-33	0.667269	1.76E-61	0.172402	0.00018	0.119249	0.0099	0.135822	0.00327
7.38E-18	0.584459	3.98E-44	0.088138	0.057	0.076874	0.09706	0.100784	0.02943
3.30E-65	0.78566	4.97E-99	0.096172	0.03775	0.099942	0.03082	0.204009	8.84E-06
1.19E-37	0.687759	1.12E-66	0.1644	0.00036	0.142045	0.00209	0.077174	0.09576
5.02E-11	0.447104	2.48E-24	0.042137	0.36359	0.142092	0.00208	-0.0294	0.5262
5.63E-37	0.62894	8.54E-53	0.038991	0.40053	0.045645	0.32498	0.208823	5.34E-06
2.37E-22	0.580603	1.95E-43	0.05114	0.27007	0.093745	0.04288	0.288443	2.12E-10
3.61E-18	0.58542	2.67E-44	0.130674	0.00468	0.163486	0.00039	0.084026	0.06965
2.14E-29	0.674238	3.35E-63	0.01569	0.73524	0.110981	0.01643	0.011274	0.80801
1.68E-08	0.439396	1.82E-23	0.0967	0.03671	0.172515	0.00018	0.051571	0.26604
1.07E-84	0.844193	#####	0.115402	0.01258	0.118278	0.01052	0.172873	0.00017
5.12E-14	0.501548	4.05E-31	0.062476	0.17772	0.11443	0.01335	0.079654	0.08553
3.95E-16	0.552075	1.31E-38	0.096865	0.03639	0.162197	0.00043	0.056474	0.22318
9.59E-20	0.450525	1.01E-24	0.057204	0.21724	0.102628	0.02657	0.086207	0.06269
3.04E-09	0.480415	2.44E-28	0.039764	0.39125	0.117047	0.01136	-0.05438	0.24082
2.05E-42	0.709036	1.49E-72	0.072016	0.12015	0.202917	9.90E-06	0.078089	0.09188
5.35E-20	0.529776	3.79E-35	0.016948	0.71489	0.159296	0.00055	0.327192	4.10E-13
0.02755	-0.17671	0.00012	0.055738	0.22928	-0.089	0.05462	-0.01565	0.73582
0.00197	-0.21748	2.09E-06	-0.03556	0.44325	-0.0151	0.74486	0.218429	1.89E-06
6.30E-05	0.364208	4.28E-16	0.119449	0.00978	0.135925	0.00325	-0.00132	0.97729
0.0064	-0.26367	7.23E-09	-0.15009	0.00114	-0.19061	3.38E-05	-0.13741	0.00292

0.11182	-0.17154	0.0002	-0.11828	0.01052	-0.1693	0.00024	-0.05221	0.26018
0.00053	-0.27081	2.71E-09	-0.0979	0.03443	-0.13687	0.00304	-0.06615	0.1535
0.00129	-0.23968	1.59E-07	-0.13245	0.00414	-0.05141	0.26756	0.066032	0.15425
1.04E-06	-0.33075	2.20E-13	-0.04404	0.34234	-0.11771	0.01091	-0.05141	0.26757
7.52E-06	-0.31599	2.75E-12	-0.18972	3.68E-05	-0.11569	0.01236	-0.09844	0.03344
0.00326	-0.24194	1.20E-07	-0.15456	0.0008	-0.22406	1.00E-06	-0.08019	0.08343
0.00346	-0.32228	9.53E-13	-0.02946	0.52541	-0.14732	0.00141	0.04741	0.3066
0.00011	-0.36766	2.15E-16	-0.12999	0.0049	-0.13598	0.00324	0.00474	0.91863
0.04963	-0.22805	6.33E-07	-0.09647	0.03715	-0.09455	0.04112	-0.00693	0.8812
0.22126	-0.13836	0.00273	-0.13787	0.00283	-0.20158	1.14E-05	-0.09979	0.03108
0.71106	0.151084	0.00106	0.057266	0.21674	0.15261	0.00094	0.036157	0.43567
8.94E-05	-0.34293	2.47E-14	-0.08709	0.06004	-0.08777	0.05806	-0.0518	0.26394
0.00237	-0.23562	2.59E-07	-0.08104	0.08022	-0.11783	0.01082	-0.02381	0.60774
1.01E-05	-0.34956	7.22E-15	0.015845	0.73272	-0.07246	0.11787	0.003344	0.94255
0.00435	-0.27996	7.40E-10	-0.14164	0.00215	-0.17133	0.0002	-0.01825	0.69411
0.0039	-0.04332	0.35023	-0.11563	0.0124	-0.07669	0.09787	0.027511	0.55315
0.00074	-0.21206	3.78E-06	-0.10913	0.01832	0.010388	0.82285	-0.09365	0.04309
0.53816	-0.13312	0.00395	0.116297	0.0119	-0.05267	0.25601	0.007301	0.87496
0.29301	-0.25412	2.57E-08	-0.00872	0.85093	-0.14132	0.0022	0.002436	0.95813
0.02231	-0.24187	1.21E-07	-0.06373	0.16914	-0.04681	0.31283	-0.07498	0.10563
0.37945	-0.22864	5.92E-07	0.013901	0.76447	-0.13053	0.00472	-0.0747	0.1069
1.72E-06	-0.32686	4.34E-13	-0.20197	1.09E-05	-0.07999	0.08421	-0.04546	0.32699
2.19E-05	0.416413	5.19E-21	0.031088	0.50274	0.143824	0.00183	0.127209	0.00591
5.12E-06	0.372348	8.35E-17	0.170531	0.00021	0.11194	0.01551	0.026583	0.56663
8.87E-12	-0.41918	2.69E-21	-0.11527	0.01268	-0.14528	0.00164	-0.14334	0.0019
0.00144	-0.26014	1.16E-08	-0.08194	0.07691	-0.05788	0.21185	-0.03345	0.47081
0.00136	-0.34345	2.25E-14	-0.22638	7.68E-07	-0.25199	3.39E-08	-0.16056	0.0005
0.00225	-0.29861	4.50E-11	0.04774	0.30325	-0.15529	0.00076	-0.0761	0.10048
0.16426	-0.23139	4.29E-07	-0.19482	2.24E-05	-0.11677	0.01156	-0.03517	0.44836
0.0071	-0.29801	4.94E-11	-0.06427	0.16557	-0.15011	0.00114	-0.13864	0.00268
0.94018	-0.10474	0.02359	-0.05658	0.2223	-0.09253	0.04566	0.011691	0.80106
0.31759	-0.01161	0.80241	-0.07722	0.09555	-0.07713	0.09595	0.009524	0.83737
2.08E-05	-0.2235	1.07E-06	-0.14355	0.00187	-0.19389	2.46E-05	-0.08774	0.05813
1.19E-05	-0.06536	0.15846	-0.10755	0.02009	-0.13403	0.00371	0.079344	0.08676
0.99029	-0.08007	0.0839	-0.13558	0.00333	-0.12662	0.00614	-0.00016	0.9973
0.02208	-0.22927	5.49E-07	-0.06108	0.1876	-0.10134	0.02854	0.029447	0.52556
0.82769	-0.19847	1.56E-05	-0.13684	0.00304	-0.15173	0.001	-0.068	0.14229
0.00017	0.365762	3.14E-16	0.136954	0.00302	0.170016	0.00022	0.126325	0.00627
0.09126	-0.28448	3.83E-10	-0.15395	0.00084	-0.17976	9.38E-05	-0.09637	0.03736
0.05694	-0.15687	0.00067	-0.17989	9.27E-05	-0.11162	0.01581	-0.10296	0.02609
0.15315	-0.15634	0.0007	-0.09342	0.04361	-0.08416	0.06921	0.028071	0.54511
0.97364	-0.13517	0.00343	-0.17995	9.21E-05	-0.13141	0.00445	-0.0483	0.29761
0.00033	-0.27268	2.09E-09	-0.12684	0.00605	-0.07627	0.09972	0.024996	0.59002
0.00142	-0.28798	2.27E-10	-0.10191	0.02766	-0.10083	0.02935	-0.12497	0.00685
0.66706	-0.1764	0.00013	-0.04155	0.37027	-0.08271	0.07417	0.008271	0.85852

2.99E-05	-0.34665	1.24E-14	-0.1528	0.00092	-0.11943	0.00979	-0.15097	0.00107
0.67565	0.187372	4.61E-05	0.125554	0.00659	0.035681	0.44174	0.053818	0.24575
0.63893	-0.08252	0.07481	-0.11165	0.01578	-0.08727	0.0595	-0.00719	0.87684
8.47E-05	-0.34595	1.42E-14	-0.11957	0.0097	-0.12241	0.0081	-0.09723	0.03569
0.11412	-0.2435	9.91E-08	-0.14608	0.00155	-0.06065	0.19072	-0.09342	0.0436
0.22984	-0.05825	0.20891	-0.10072	0.02953	-0.15154	0.00102	-0.00972	0.83399
0.00657	-0.01443	0.75571	-0.06169	0.18328	-0.07129	0.12393	0.06335	0.17172
0.00189	-0.00894	0.84723	-0.12113	0.00878	-0.02145	0.64385	0.227978	6.39E-07
0.00076	-0.23959	1.60E-07	-0.09009	0.05171	-0.1091	0.01836	0.064927	0.16127
0.15521	-0.18812	4.29E-05	-0.09751	0.03515	-0.0337	0.46755	0.035094	0.4493
0.07999	0.304135	1.89E-11	-0.03476	0.45367	0.092029	0.04685	-0.13472	0.00354
0.31113	-0.25213	3.32E-08	-0.10623	0.02168	-0.10285	0.02624	0.010207	0.82588
0.00098	-0.29586	6.89E-11	-0.1095	0.01793	-0.04633	0.31772	-0.06177	0.18265
0.41791	-0.09374	0.04289	-0.11778	0.01086	-0.11683	0.01152	-0.13161	0.00439
0.00413	-0.31919	1.61E-12	-0.01849	0.69028	-0.03905	0.3998	0.007866	0.86537
0.32846	-0.14025	0.00238	-0.01464	0.75229	-0.08652	0.06173	-0.12207	0.00827
0.0376	-0.28185	5.62E-10	-0.15617	0.00071	-0.12782	0.00567	0.126784	0.00608
4.11E-05	-0.30959	7.86E-12	-0.21551	2.60E-06	-0.18206	7.59E-05	-0.01749	0.70617
0.00014	0.407341	4.30E-20	0.079854	0.08475	0.141275	0.00221	0.000627	0.98921
3.68E-10	0.473804	1.65E-27	0.012522	0.78724	0.161069	0.00048	0.141657	0.00215
0.0284	0.2765	1.22E-09	0.155837	0.00073	0.147277	0.00141	-0.05347	0.24881
5.75E-06	-0.27021	2.95E-09	-0.0299	0.51928	0.008726	0.85082	-0.01577	0.73391
2.73E-06	0.424815	6.92E-22	-0.00355	0.93902	0.127665	0.00573	0.052073	0.26142
1.16E-07	-0.39374	9.09E-19	-0.12986	0.00494	-0.13331	0.0039	-0.11225	0.01523
7.62E-05	-0.36217	6.40E-16	-0.12237	0.00811	-0.17013	0.00022	-0.10522	0.02296
4.40E-06	0.337658	6.45E-14	0.100543	0.02982	0.175186	0.00014	0.002321	0.96011
0.00946	0.301396	2.91E-11	0.057658	0.21361	0.095267	0.0396	-0.00184	0.96831
1.12E-06	-0.3608	8.36E-16	-0.15433	0.00082	-0.10828	0.01925	-0.08415	0.06923
0.00013	-0.38995	2.07E-18	-0.13373	0.00379	-0.1519	0.00099	-0.03704	0.4245
0.00025	0.399641	2.46E-19	0.067471	0.14545	0.10247	0.02681	0.144694	0.00172
2.56E-10	-0.31845	1.82E-12	-0.07699	0.09657	-0.08168	0.07784	0.077331	0.09509
3.65E-09	-0.43516	5.34E-23	-0.08508	0.06621	-0.11016	0.01724	-0.05517	0.23407
0.00897	0.247252	6.19E-08	0.120593	0.00909	0.224799	9.21E-07	-0.09639	0.03732
0.0123	0.220475	1.50E-06	-0.02821	0.54317	0.05762	0.21392	0.1673	0.00028
0.03198	-0.0769	0.09694	-0.18194	7.68E-05	-0.20777	5.97E-06	-0.09877	0.03285
0.00277	0.018913	0.68353	-0.13029	0.0048	-0.03145	0.4978	0.153954	0.00084
0.58457	-0.14154	0.00217	-0.06352	0.1706	-0.10518	0.02302	-0.02648	0.56809
1.08E-12	-0.47162	3.08E-27	-0.1556	0.00074	-0.19247	2.82E-05	-0.01947	0.67476
0.28643	-0.13974	0.00247	-0.06718	0.14719	-0.05326	0.2507	-0.05402	0.24394
9.25E-09	-0.24984	4.46E-08	-0.05813	0.20985	-0.06801	0.14226	0.032371	0.48527
2.64E-13	-0.39548	6.20E-19	-0.08194	0.0769	-0.14087	0.00228	-0.03223	0.48715
0.24371	-0.1463	0.00152	-0.0861	0.063	-0.00043	0.99254	-0.01055	0.82012
0.11725	-0.22439	9.65E-07	-0.02834	0.54126	-0.12807	0.00558	0.039833	0.39043
0.82489	-0.14901	0.00124	-0.13555	0.00334	-0.08085	0.08092	-0.09343	0.04359
3.53E-06	-0.39135	1.53E-18	-0.13597	0.00324	-0.15124	0.00104	-0.0006	0.9897

0.10267	-0.04861	0.29448	-0.09571	0.03869	-0.04944	0.28631	0.083588	0.07113
0.00094	-0.28945	1.83E-10	-0.18005	9.14E-05	-0.08596	0.06344	0.069135	0.13575
0.43305	-0.05372	0.2466	-0.08373	0.07066	-0.06132	0.18592	0.221822	1.29E-06
0.00069	-0.22444	9.60E-07	-0.0541	0.24324	-0.05222	0.26006	0.042781	0.3563
1.07E-06	-0.45196	6.89E-25	-0.09284	0.04493	-0.20679	6.62E-06	-0.05778	0.21268
0.04802	-0.04967	0.28408	-0.06493	0.16124	-0.10962	0.01781	0.029856	0.51984
0.00856	-0.28794	2.29E-10	-0.08798	0.05745	-0.14538	0.00163	0.095762	0.03858
0.00316	0.347107	1.14E-14	0.220212	1.55E-06	0.094321	0.04161	0.076414	0.09908
0.00045	-0.32506	5.92E-13	-0.07924	0.08719	-0.10686	0.0209	-0.00084	0.98552
0.00025	-0.223	1.13E-06	-0.19105	3.24E-05	-0.1332	0.00393	-0.15097	0.00107
1.84E-11	-0.45841	1.21E-25	-0.17776	0.00011	-0.15152	0.00102	0.00484	0.91692
0.51351	-0.10682	0.02096	-0.11676	0.01157	-0.22123	1.38E-06	0.032814	0.47932
2.26E-12	-0.46058	6.71E-26	-0.0207	0.65545	-0.12914	0.00519	-0.07058	0.12772
2.18E-06	-0.39964	2.46E-19	-0.07978	0.08502	-0.07246	0.1179	-0.03349	0.47029
0.61608	-0.03938	0.39591	-0.13775	0.00285	-0.19011	3.55E-05	0.036126	0.43607
3.79E-05	-0.3423	2.78E-14	-0.12821	0.00553	-0.13973	0.00247	-0.12131	0.00869
0.00092	-0.31489	3.29E-12	-0.061	0.18823	-0.12097	0.00888	-0.05099	0.27152
0.20223	0.221754	1.30E-06	0.017546	0.70529	-0.00246	0.95779	0.111159	0.01625
0.07185	0.295343	7.46E-11	0.201392	1.16E-05	0.018139	0.69583	0.065147	0.15985
1.27E-08	-0.44992	1.18E-24	-0.16839	0.00026	-0.17276	0.00018	-0.0255	0.5825
1.47E-05	-0.35721	1.68E-15	-0.05189	0.26312	-0.0556	0.23044	-0.02209	0.63398
0.0331	-0.28937	1.85E-10	-0.08278	0.07393	-0.11066	0.01674	0.034232	0.46052
0.04456	-0.17147	0.0002	-0.101	0.02908	-0.15995	0.00052	0.051946	0.26259
0.50794	-0.09963	0.03134	-0.129	0.00524	-0.11043	0.01697	-0.05963	0.19834
0.30176	-0.03839	0.40783	-0.1106	0.0168	-0.12076	0.009	0.194615	2.29E-05
3.73E-07	0.10707	0.02065	-0.12286	0.00786	-0.04936	0.28712	0.080675	0.08158
0.84887	-0.08231	0.07556	-0.13164	0.00438	-0.09569	0.03872	0.073378	0.11328
4.61E-12	-0.48919	1.81E-29	-0.07865	0.08956	-0.14158	0.00216	-0.03337	0.47183
0.01026	-0.22882	5.79E-07	-0.0986	0.03315	-0.16383	0.00038	0.097166	0.03581
0.00158	-0.30646	1.30E-11	-0.04417	0.34088	-0.04	0.38842	0.030467	0.51132
1.07E-05	-0.3336	1.33E-13	-0.09197	0.04699	-0.12168	0.00848	-0.08019	0.08344
0.82704	-0.19849	1.55E-05	-0.13597	0.00324	-0.18	9.18E-05	0.082927	0.0734
0.00044	-0.27194	2.32E-09	-0.10445	0.02399	-0.12993	0.00492	0.166106	0.00031
0.24531	-0.25058	4.06E-08	-0.00529	0.90928	-0.16406	0.00037	0.049462	0.28612
0.0001	0.239596	1.60E-07	0.049848	0.28238	0.029718	0.52176	0.099668	0.03128
8.73E-14	-0.36212	6.46E-16	-0.08211	0.07628	-0.02298	0.62033	-0.11015	0.01725
1.54E-09	-0.45602	2.32E-25	-0.12989	0.00493	-0.15858	0.00058	-0.01864	0.68786
1.07E-06	-0.3255	5.49E-13	-0.17764	0.00011	-0.12493	0.00687	-0.14561	0.0016
0.00079	-0.23908	1.71E-07	-0.07898	0.08823	-0.07747	0.09451	-0.1057	0.02234
3.71E-06	-0.28461	3.75E-10	-0.04509	0.33091	-0.06743	0.1457	-0.09382	0.04272
2.76E-06	0.393521	9.53E-19	0.125819	0.00648	0.160557	0.0005	0.030328	0.51324
0.01619	-0.28633	2.91E-10	-0.19446	2.32E-05	-0.07045	0.12846	-0.15996	0.00052
2.31E-06	-0.38992	2.09E-18	-0.09325	0.04401	-0.11614	0.01202	0.014587	0.75322
5.78E-07	-0.35658	1.90E-15	-0.03689	0.42636	-0.11429	0.01347	-0.09459	0.04103
0.73754	-0.1026	0.02661	-0.08556	0.06469	-0.08586	0.06376	-0.11765	0.01094



0.00042	-0.0711	0.12495	-0.02741	0.55462	0.030428	0.51186	-0.13587	0.00326
1.76E-12	0.536111	4.18E-36	0.115829	0.01225	0.175098	0.00014	0.272785	2.06E-09
1.86E-10	0.382338	1.05E-17	-0.02132	0.64586	0.07219	0.11926	0.351781	4.75E-15
4.54E-06	0.304681	1.73E-11	0.01887	0.68421	0.08901	0.05458	0.15211	0.00098
0.00011	0.252365	3.22E-08	0.046361	0.31744	0.085714	0.06421	0.194232	2.37E-05
4.57E-30	0.567248	4.05E-41	0.123426	0.00758	0.114149	0.01358	0.31469	3.41E-12
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1.17E-14	0.526616	1.12E-34	0.179249	9.83E-05	0.11889	0.01013	0.229533	5.33E-07
2.82E-48	0.619202	8.89E-51	0.159057	0.00056	0.128371	0.00547	0.348816	8.30E-15
2.37E-33	0.707272	4.79E-72	0.205002	7.98E-06	0.202263	1.06E-05	0.332258	1.69E-13
5.00E-13	-0.33817	5.88E-14	-0.03569	0.44162	-0.03991	0.38954	-0.1489	0.00125
0.00134	0.174918	0.00015	-0.02546	0.58308	-0.01233	0.79046	0.029084	0.53068
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4.31E-07	0.359498	1.08E-15	0.07272	0.11656	0.109262	0.01818	0.127259	0.00589
2.91E-09	-0.37868	2.27E-17	-0.07781	0.09305	-0.12627	0.00629	-0.23883	1.76E-07
6.26E-40	0.633447	9.41E-54	0.121553	0.00855	0.098677	0.03301	0.282961	4.78E-10
2.78E-06	0.1728	0.00018	0.098318	0.03366	0.009432	0.83891	0.11234	0.01515
0.01313	-0.2664	4.99E-09	-0.03485	0.45245	-0.02679	0.56358	-0.05669	0.22142
1.37E-07	0.501326	4.34E-31	0.128935	0.00526	0.205979	7.21E-06	0.108109	0.01945
2.33E-40	0.678763	2.41E-64	0.04644	0.31662	0.049914	0.28174	0.231388	4.29E-07
3.68E-13	-0.42898	2.49E-22	-0.10801	0.01956	-0.08804	0.05727	-0.25161	3.55E-08
4.80E-06	-0.30024	3.49E-11	0.011122	0.81055	-0.09732	0.03551	-0.1843	6.16E-05
0.0444	-0.02776	0.5495	0.012019	0.7956	-0.0027	0.95363	0.09087	0.0497
0.03024	-0.10429	0.02421	-0.14385	0.00183	-0.03542	0.44503	-0.22782	6.51E-07
4.56E-23	0.511819	1.53E-32	0.053722	0.24659	0.05905	0.20274	0.246647	6.68E-08
0.01083	-0.10928	0.01816	-0.03887	0.40205	-0.04865	0.29411	-0.04632	0.31786
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2.64E-33	0.653775	2.81E-58	0.056075	0.22648	0.119723	0.00961	0.3468	1.21E-14
1.17E-18	0.446416	2.97E-24	0.076524	0.0986	0.089705	0.05271	0.442135	9.03E-24
1.43E-28	0.575341	1.64E-42	0.006943	0.88105	0.081072	0.08009	0.116895	0.01147
5.51E-29	0.568541	2.44E-41	0.079201	0.08733	0.167626	0.00027	0.506927	7.39E-32
1.52E-24	-0.38924	2.42E-18	-0.14408	0.0018	-0.03102	0.50371	-0.25047	4.12E-08
0.14339	-0.01245	0.7884	0.011766	0.79981	-0.02795	0.54681	-0.1363	0.00316
1.56E-10	-0.2969	5.87E-11	-0.01432	0.75755	0.020244	0.66259	-0.06538	0.15838
3.55E-11	0.295787	6.97E-11	0.073231	0.11401	0.066049	0.15414	0.225714	8.29E-07
3.62E-17	0.54167	5.81E-37	0.118592	0.01032	0.151291	0.00104	0.296627	6.12E-11
1.10E-30	0.654507	1.90E-58	0.118916	0.01011	0.156635	0.00068	0.395735	5.86E-19
0.00979	-0.28649	2.84E-10	0.061543	0.18429	-0.09031	0.05114	-0.10283	0.02628
3.08E-26	0.639465	4.67E-55	0.14397	0.00181	0.146454	0.00151	0.150755	0.00108
4.76E-05	-0.28076	6.59E-10	0.047492	0.30577	-0.09608	0.03793	-0.2925	1.15E-10
1.14E-05	0.152636	0.00094	-0.0093	0.84106	0.023567	0.61145	0.271555	2.45E-09
7.17E-14	-0.48169	1.68E-28	-0.12368	0.00745	-0.16774	0.00027	-0.30244	2.47E-11
5.75E-06	-0.20356	9.27E-06	-0.03548	0.44437	-0.04638	0.31728	-0.10155	0.02822
4.38E-08	0.41197	1.47E-20	0.219247	1.72E-06	0.130981	0.00458	0.078996	0.08816
4.23E-12	0.426219	4.91E-22	0.09802	0.0342	0.065167	0.15973	0.284469	3.83E-10

4.51E-16	0.542795	3.88E-37	0.198877	1.49E-05	0.151627	0.00101	0.147468	0.00139
1.89E-13	-0.45464	3.36E-25	-0.10556	0.02252	-0.09593	0.03824	-0.23704	2.19E-07
1.56E-06	0.300802	3.19E-11	0.101599	0.02814	0.039667	0.39242	0.198123	1.61E-05
2.04E-12	0.504977	1.37E-31	0.065713	0.15625	0.15385	0.00085	0.15445	0.00081
6.57E-10	-0.25343	2.81E-08	-0.04939	0.28682	-0.09425	0.04176	-0.14561	0.0016
1.70E-11	0.237127	2.16E-07	0.081156	0.07978	0.002291	0.96062	0.246239	7.04E-08
2.00E-10	-0.29496	7.92E-11	0.027843	0.54838	-0.05323	0.25096	-0.24462	8.62E-08
6.38E-13	0.42852	2.79E-22	0.052312	0.25923	0.050484	0.27627	0.246786	6.57E-08
2.91E-08	0.341198	3.39E-14	0.014563	0.75362	0.067602	0.14466	0.194913	2.22E-05
3.73E-11	0.435353	5.08E-23	0.022587	0.62636	0.09778	0.03465	0.116711	0.0116
4.40E-07	-0.20826	5.67E-06	-0.05772	0.2131	-0.05728	0.21666	-0.10579	0.02223
6.37E-09	-0.3563	2.00E-15	-0.07257	0.11734	-0.17156	0.0002	-0.22905	5.64E-07
3.41E-09	-0.39082	1.72E-18	0.060146	0.19447	-0.14324	0.00192	-0.14695	0.00145
6.74E-15	-0.44203	9.27E-24	-0.12896	0.00526	-0.05123	0.26921	-0.0966	0.03689
2.34E-10	0.379342	1.97E-17	0.203523	9.30E-06	0.143051	0.00194	0.237673	2.02E-07
0.00021	-0.24109	1.33E-07	-0.00453	0.92228	-0.01897	0.68268	-0.11892	0.01011
2.29E-12	0.427522	3.57E-22	0.054603	0.23892	0.039809	0.39072	0.204575	8.34E-06
1.45E-22	-0.4795	3.19E-28	-0.04434	0.33907	-0.0463	0.3181	-0.14109	0.00224
2.42E-09	-0.34077	3.67E-14	-0.09104	0.04928	-0.05186	0.26337	-0.15895	0.00057
4.98E-15	0.478152	4.72E-28	-0.02334	0.61483	0.022189	0.63245	0.195011	2.20E-05
2.79E-24	0.564411	1.22E-40	0.069739	0.13236	0.15015	0.00114	0.191891	2.99E-05
1.09E-08	0.408595	3.22E-20	0.09709	0.03595	0.194137	2.40E-05	0.181768	7.80E-05
0.00595	-0.16293	0.00041	-0.00885	0.84878	0.002478	0.9574	-0.08485	0.06696
0.12012	-0.1968	1.84E-05	-0.10991	0.0175	-0.11883	0.01016	-0.15319	0.0009
4.88E-11	0.36972	1.42E-16	-0.00852	0.85425	0.031266	0.50029	0.351349	5.15E-15
8.67E-16	0.492654	6.33E-30	0.017358	0.70831	0.063336	0.17181	0.172613	0.00018
3.40E-11	0.310932	6.31E-12	-0.01922	0.67872	-0.0164	0.72381	0.321823	1.03E-12
0.00011	-0.23713	2.16E-07	-0.08836	0.05638	-0.04414	0.34122	-0.16892	0.00025
9.68E-30	-0.55506	4.29E-39	-0.12352	0.00753	-0.0516	0.26576	-0.29201	1.24E-10
2.27E-16	0.439291	1.87E-23	-0.04051	0.38237	0.052431	0.25815	0.396048	5.47E-19
4.76E-10	0.276566	1.20E-09	0.069245	0.13513	0.006929	0.88129	0.10548	0.02263
2.31E-18	0.428651	2.70E-22	0.090204	0.05141	0.122756	0.00791	0.354345	2.91E-15
1.70E-14	0.47182	2.91E-27	0.173902	0.00016	0.122256	0.00817	0.17101	0.0002
0.00014	0.191342	3.15E-05	-0.11464	0.01318	0.089928	0.05213	0.220201	1.55E-06
3.58E-17	-0.48657	3.96E-29	-0.1897	3.69E-05	-0.09955	0.03149	-0.21159	3.98E-06
0.24739	0.026418	0.56904	0.057353	0.21605	0.076262	0.09976	0.040524	0.38226
1.78E-37	0.671631	1.49E-62	0.09042	0.05085	0.182838	7.06E-05	0.282087	5.43E-10
0.00079	0.379912	1.75E-17	0.119351	0.00984	0.085359	0.06532	0.061933	0.18152
1.77E-11	0.444312	5.14E-24	0.133332	0.0039	0.15977	0.00053	0.28032	7.02E-10
3.78E-07	-0.42067	1.88E-21	-0.14276	0.00198	-0.1901	3.55E-05	-0.14782	0.00136
1.34E-05	0.289954	1.69E-10	0.138429	0.00272	0.116673	0.01163	0.148109	0.00133
2.01E-17	0.578493	4.60E-43	0.136702	0.00308	0.167079	0.00029	0.374039	5.91E-17
4.58E-05	0.288371	2.15E-10	0.110899	0.01651	0.054183	0.24256	0.143724	0.00185
2.08E-06	-0.31562	2.92E-12	0.023792	0.60807	-0.0886	0.05571	-0.09322	0.04407
1.05E-13	0.379447	1.93E-17	0.05082	0.27308	0.036071	0.43677	0.199564	1.39E-05

7.93E-17	0.456735	1.91E-25	0.050049	0.28043	0.00989	0.8312	0.28586	3.12E-10
5.09E-10	0.453102	5.07E-25	0.068758	0.1379	0.084329	0.06865	0.245641	7.59E-08
0.00133	0.222354	1.22E-06	0.001184	0.97964	-0.01012	0.82727	0.068407	0.13993
0.00023	-0.31107	6.17E-12	0.034692	0.45452	-0.15388	0.00085	-0.04927	0.28796
2.54E-06	-0.19874	1.51E-05	0.043951	0.34328	-0.06045	0.19222	-0.23388	3.19E-07
1.08E-08	0.412162	1.41E-20	0.100864	0.0293	0.061153	0.18709	0.113818	0.01385
2.69E-13	0.489165	1.82E-29	0.120565	0.00911	0.172462	0.00018	0.254942	2.31E-08
3.96E-20	0.612717	1.79E-49	0.164042	0.00037	0.143947	0.00182	0.187591	4.52E-05
3.67E-06	0.240218	1.49E-07	0.02442	0.59861	-0.00316	0.94565	0.239314	1.66E-07
0.8144	-0.07267	0.11681	-0.08017	0.08351	-0.03115	0.50192	-0.14022	0.00239
6.20E-07	0.304205	1.87E-11	0.110304	0.0171	0.151939	0.00099	0.091871	0.04723
5.40E-10	0.444786	4.54E-24	0.113971	0.01373	0.140341	0.00237	0.233622	3.29E-07
3.83E-19	0.43336	8.39E-23	0.023519	0.61218	0.083788	0.07045	0.188824	4.02E-05
7.30E-31	0.62858	1.02E-52	0.173827	0.00016	0.149771	0.00117	0.277081	1.12E-09
0.00035	0.330544	2.28E-13	0.052957	0.25339	0.05532	0.2328	0.037629	0.41721
7.18E-27	0.518765	1.57E-33	0.053858	0.24539	0.073529	0.11254	0.261216	1.01E-08
0.00335	0.238285	1.88E-07	-0.01741	0.70744	0.121683	0.00848	0.215043	2.74E-06
2.42E-09	0.378161	2.53E-17	0.033211	0.47401	0.123274	0.00765	0.302551	2.43E-11
2.61E-17	0.483042	1.13E-28	0.122736	0.00792	0.137742	0.00286	0.164757	0.00035
0.01056	0.188957	3.96E-05	0.066508	0.15129	0.134319	0.00364	0.12056	0.00911
7.97E-21	-0.47441	1.39E-27	-0.01105	0.81171	-0.10355	0.02524	-0.17777	0.00011
4.49E-11	0.287074	2.61E-10	-0.00888	0.84827	-0.02745	0.55403	0.319494	1.53E-12
1.86E-05	-0.26309	7.82E-09	-0.00138	0.97635	-0.02114	0.6487	-0.18771	4.47E-05
2.29E-07	0.214911	2.78E-06	0.032323	0.48592	-0.0369	0.42624	0.268707	3.63E-09
2.11E-06	0.27117	2.58E-09	0.203889	8.95E-06	0.091472	0.0482	0.208805	5.35E-06
2.25E-08	0.419417	2.54E-21	0.062967	0.17432	0.172495	0.00018	0.142721	0.00199
6.86E-07	0.418964	2.83E-21	0.087691	0.05828	0.041765	0.36785	0.347171	1.13E-14
2.13E-13	0.418024	3.54E-21	0.058485	0.20711	0.047358	0.30714	0.120953	0.00889
3.43E-06	0.295994	6.75E-11	0.10478	0.02354	0.048835	0.29228	0.262158	8.87E-09
1.24E-08	0.397967	3.57E-19	0.070809	0.12651	0.03722	0.4223	0.131652	0.00437
0.00229	0.137	0.00301	0.068828	0.1375	0.041334	0.37281	0.201298	1.17E-05
1.62E-06	0.266674	4.81E-09	0.143777	0.00184	0.043259	0.35094	0.00827	0.85853
0.00496	-0.08664	0.06137	0.008093	0.86153	-0.01932	0.67711	-0.01519	0.74339
1.08E-14	0.4401	1.52E-23	0.018724	0.68652	0.07417	0.10943	0.104047	0.02454
3.17E-06	-0.31212	5.20E-12	-0.07264	0.11699	-0.02366	0.61009	-0.10585	0.02215
6.86E-06	-0.14022	0.00239	0.000613	0.98947	0.018688	0.68709	-0.14586	0.00157
2.12E-20	0.537996	2.15E-36	0.023883	0.60669	0.099375	0.03179	0.188898	3.99E-05
4.24E-05	-0.25907	1.34E-08	-0.0026	0.95526	0.014294	0.75802	-0.23721	2.14E-07
6.83E-09	0.355739	2.23E-15	0.107794	0.01981	0.165038	0.00034	0.166499	0.0003
1.45E-14	-0.36272	5.74E-16	-0.03005	0.5171	-0.03427	0.46005	-0.17667	0.00012
1.55E-15	-0.44459	4.78E-24	-0.05468	0.23825	-0.07326	0.11388	-0.24574	7.49E-08
7.05E-12	0.415333	6.70E-21	0.095424	0.03927	0.128857	0.00529	0.234672	2.90E-07
0.04478	-0.17982	9.33E-05	0.024752	0.59366	0.001151	0.98021	-0.06222	0.17953
7.97E-19	0.430662	1.64E-22	0.0442	0.34055	0.078982	0.08821	0.266722	4.77E-09
0.06223	-0.07925	0.08712	-0.05745	0.2153	0.029339	0.52709	-0.24457	8.68E-08

0.00167	0.198613	1.53E-05	0.050559	0.27556	0.121869	0.00838	0.152683	0.00093
0.00752	0.169966	0.00022	0.090464	0.05074	0.018594	0.68858	-0.0071	0.87846
0.00307	0.23923	1.68E-07	0.036685	0.42899	0.123552	0.00752	0.25089	3.90E-08
6.46E-09	-0.31949	1.53E-12	-0.1107	0.0167	-0.15625	0.0007	-0.08094	0.08057
0.00777	-0.20322	9.59E-06	-0.12368	0.00746	-0.0648	0.16207	-0.11729	0.01119
7.93E-11	-0.33902	5.04E-14	-0.11713	0.0113	-0.04859	0.2947	-0.16776	0.00027
2.16E-19	0.48286	1.19E-28	0.196687	1.86E-05	0.189155	3.89E-05	0.394049	8.49E-19
3.68E-06	0.309614	7.82E-12	0.052266	0.25964	0.085326	0.06543	0.296924	5.85E-11
4.29E-05	0.319773	1.46E-12	0.11756	0.01101	0.091051	0.04925	0.196913	1.82E-05
0.09241	0.188481	4.15E-05	0.072547	0.11744	0.108441	0.01907	0.155694	0.00074
0.00699	0.235614	2.60E-07	0.07878	0.08903	0.191093	3.23E-05	0.20738	6.22E-06
1.10E-07	0.322995	8.43E-13	0.11238	0.01511	0.099375	0.03179	0.142012	0.0021
3.18E-25	0.55349	7.72E-39	0.058178	0.2095	0.124419	0.0071	0.160239	0.00051
0.2302	0.006003	0.89706	0.02091	0.65221	0.024522	0.59709	-0.0067	0.8852
6.09E-06	0.060333	0.19309	-0.16859	0.00025	-0.06529	0.15891	-0.00119	0.97956
4.71E-05	0.293212	1.03E-10	0.139832	0.00246	0.062379	0.17839	0.01818	0.69516
5.80E-06	0.324049	7.04E-13	0.026199	0.57225	0.199102	1.46E-05	0.084102	0.0694
0.00114	-0.27495	1.52E-09	-0.10304	0.02596	-0.06803	0.14212	-0.1592	0.00055
0.46783	0.078996	0.08816	-0.01288	0.78137	-0.04144	0.37164	-0.00788	0.86517
8.75E-07	-0.28938	1.85E-10	-0.05585	0.22837	0.00038	0.99346	-0.07647	0.09882
5.85E-13	-0.36294	5.49E-16	-0.05302	0.25283	-0.09709	0.03594	-0.04772	0.3034
1.18E-23	0.641977	1.31E-55	0.094637	0.04093	0.207158	6.37E-06	0.341279	3.34E-14
4.31E-19	0.476968	6.65E-28	0.13217	0.00422	0.213058	3.40E-06	0.194366	2.34E-05
3.30E-17	0.528613	5.65E-35	0.131778	0.00434	0.182093	7.57E-05	0.460726	6.44E-26
0.97306	0.032165	0.48806	0.035164	0.44839	0.049334	0.28737	-0.07989	0.0846
1.43E-09	0.312857	4.61E-12	0.048604	0.29457	0.111516	0.01591	0.384305	6.95E-18
1.28E-06	0.302792	2.34E-11	0.020174	0.66368	0.010905	0.81419	0.004858	0.91661
0.00204	-0.32589	5.14E-13	-0.15421	0.00083	-0.11047	0.01693	-0.15376	0.00086
2.70E-13	-0.39189	1.36E-18	-0.06065	0.19072	-0.06363	0.16981	-0.18355	6.61E-05
9.31E-15	0.491171	9.93E-30	0.090441	0.05079	0.251237	3.73E-08	0.214748	2.83E-06
0.01411	-0.14985	0.00116	-0.01713	0.71198	-0.06178	0.1826	-0.05189	0.26305
5.24E-20	0.484015	8.47E-29	0.048173	0.29888	0.08031	0.08298	0.278509	9.12E-10
0.10773	-0.10323	0.02569	-0.04627	0.31844	-0.00635	0.8911	-0.01932	0.67706
0.00071	-0.16657	0.0003	-0.00941	0.83926	0.005066	0.91306	-0.00423	0.92743
1.07E-10	0.452645	5.73E-25	0.020154	0.664	0.197623	1.69E-05	0.252173	3.31E-08
7.16E-05	-0.14068	0.00231	-0.03785	0.41445	-0.08983	0.05238	-0.08745	0.05896
0.60484	-0.12482	0.00692	-0.00236	0.95949	-0.02034	0.66108	-0.15151	0.00102
4.43E-05	-0.17425	0.00015	0.054848	0.23681	0.018673	0.68734	-0.21995	1.59E-06
4.77E-12	0.412059	1.44E-20	0.13855	0.00269	0.194029	2.42E-05	0.259517	1.26E-08
0.00067	0.181303	8.14E-05	0.045802	0.32332	-0.08161	0.0781	0.207207	6.34E-06
6.66E-13	0.501443	4.19E-31	0.187436	4.58E-05	0.133662	0.00381	0.258203	1.50E-08
6.97E-16	0.4193	2.61E-21	0.065616	0.15687	0.048496	0.29565	0.459784	8.34E-26
0.00024	0.178555	0.0001	0.074086	0.10984	-0.01099	0.81271	0.149623	0.00118
4.49E-08	-0.39814	3.44E-19	-0.10969	0.01773	-0.08868	0.0555	-0.18948	3.77E-05
0.01202	-0.06662	0.15058	0.038546	0.40594	-0.04186	0.36676	-0.16324	0.0004

3.07E-07	0.323542	7.68E-13	0.042535	0.35907	0.135844	0.00327	0.10505	0.02319
3.17E-28	0.581524	1.33E-43	0.009149	0.84368	0.134736	0.00353	0.254803	2.35E-08
2.83E-08	-0.19506	2.19E-05	-0.07126	0.1241	0.014154	0.76032	-0.14823	0.00132
7.53E-06	0.211793	3.89E-06	0.095671	0.03876	0.065664	0.15656	0.24256	1.11E-07
2.47E-12	0.341116	3.45E-14	0.052897	0.25394	0.033721	0.46724	0.15711	0.00066
2.57E-10	0.35325	3.59E-15	0.038999	0.40044	0.182515	7.28E-05	0.263334	7.57E-09
2.83E-07	-0.29293	1.08E-10	0.033648	0.4682	0.012302	0.7909	-0.24123	1.31E-07
2.15E-14	-0.36336	5.06E-16	-0.0281	0.54463	-0.09132	0.04857	-0.2531	2.93E-08
2.65E-14	0.476162	8.40E-28	0.080079	0.08387	0.130243	0.00482	0.25342	2.81E-08
2.79E-30	0.541292	6.65E-37	0.180307	8.92E-05	0.018385	0.69191	0.273308	1.91E-09
8.28E-08	-0.40607	5.75E-20	-0.12828	0.0055	-0.06199	0.18112	-0.20465	8.27E-06
0.78787	0.029899	0.51923	-0.00079	0.98645	0.078541	0.09001	0.063185	0.17284
2.78E-21	-0.4611	5.81E-26	-0.14307	0.00194	-0.09642	0.03726	-0.26349	7.41E-09
0.00405	-0.33529	9.86E-14	-0.01268	0.78463	-0.07169	0.12183	-0.119	0.01006
3.41E-15	-0.44505	4.24E-24	-0.06917	0.13555	-0.0481	0.29963	-0.09013	0.05161
3.43E-27	0.59167	1.93E-45	0.100713	0.02955	0.145303	0.00164	0.418619	3.07E-21
3.17E-09	0.394498	7.69E-19	0.104411	0.02404	0.09303	0.0445	0.081444	0.07871
9.27E-11	0.331821	1.82E-13	0.044109	0.34155	0.057503	0.21484	0.043675	0.34632
0.00182	0.229271	5.50E-07	-0.03102	0.50365	0.086377	0.06217	0.128971	0.00525
0.01596	0.246554	6.76E-08	0.004724	0.9189	0.018077	0.69682	0.156952	0.00066
0.00302	0.281014	6.35E-10	-0.02003	0.66594	0.242687	1.10E-07	0.060481	0.192
2.34E-08	0.332356	1.66E-13	-0.00977	0.8332	0.222702	1.17E-06	0.331342	1.99E-13
3.87E-07	-0.30218	2.57E-11	-0.02885	0.53398	-0.10754	0.0201	-0.2481	5.56E-08
4.69E-19	0.482512	1.32E-28	0.079982	0.08425	0.10501	0.02324	0.140938	0.00227
5.66E-08	0.364486	4.05E-16	0.147928	0.00135	0.109987	0.01742	0.248829	5.07E-08
2.72E-22	0.543539	2.97E-37	0.177645	0.00011	0.15751	0.00064	0.235986	2.48E-07
0.00017	-0.16059	0.00049	0.032442	0.48431	-0.06442	0.16455	-0.17308	0.00017
6.73E-05	-0.31234	5.02E-12	-0.04098	0.37692	-0.05071	0.27409	-0.10717	0.02053
0.00539	-0.09525	0.03964	0.102793	0.02633	-0.08856	0.05581	-0.0341	0.46228
2.25E-19	0.559983	6.68E-40	0.146753	0.00147	0.125211	0.00674	0.337759	6.33E-14
3.55E-10	0.311992	5.31E-12	0.000919	0.9842	-0.04344	0.34898	0.258354	1.47E-08
0.00494	0.296033	6.71E-11	0.085325	0.06543	0.109275	0.01817	-0.01133	0.80701
2.84E-09	0.278454	9.19E-10	0.090232	0.05133	-0.03834	0.40849	0.087252	0.05955
0.37819	0.149965	0.00115	0.024632	0.59545	0.034246	0.46033	0.044508	0.3372
5.86E-05	-0.25882	1.38E-08	-0.20283	9.98E-06	-0.02516	0.58764	-0.24491	8.31E-08
4.69E-15	0.448261	1.83E-24	0.010469	0.82149	0.099554	0.03148	0.128803	0.00531
1.38E-12	0.532987	1.25E-35	0.097802	0.03461	0.156776	0.00067	0.133388	0.00388
6.28E-11	0.32766	3.78E-13	0.029545	0.52419	0.060544	0.19154	0.23662	2.30E-07
3.44E-05	0.321224	1.14E-12	0.24299	1.06E-07	0.170079	0.00022	0.084242	0.06893
1.18E-07	0.365716	3.17E-16	0.019629	0.67223	0.058908	0.20383	0.250694	4.00E-08
0.14983	0.041721	0.36835	0.008237	0.8591	-0.04216	0.36332	0.067211	0.147
3.71E-22	0.569339	1.78E-41	0.103961	0.02466	0.289144	1.91E-10	0.366569	2.68E-16
0.00078	-0.24649	6.82E-08	-0.00027	0.9953	-0.03918	0.39827	-0.14408	0.0018
8.41E-15	-0.42052	1.95E-21	-0.02771	0.55031	-0.10577	0.02225	-0.26713	4.52E-09
1.28E-08	-0.40339	1.06E-19	-0.00498	0.91448	-0.08016	0.08356	-0.14708	0.00144

0.03314	-0.2523	3.25E-08	0.001963	0.96625	-0.01199	0.79601	-0.11809	0.01065
6.33E-11	0.352052	4.51E-15	0.10612	0.02181	0.130445	0.00475	0.523071	3.72E-34
2.95E-20	0.543175	3.38E-37	0.069301	0.13481	0.134383	0.00362	0.352114	4.46E-15
8.05E-33	-0.56176	3.38E-40	-0.11508	0.01282	-0.09335	0.04378	-0.25139	3.65E-08
6.18E-08	-0.37057	1.20E-16	-0.13184	0.00432	-0.16707	0.00029	-0.17599	0.00013
5.34E-17	0.527967	7.05E-35	0.076421	0.09905	0.140545	0.00233	0.217873	2.01E-06
0.49451	-0.09398	0.04237	0.003771	0.93522	0.043694	0.34611	-0.11275	0.01478
0.45232	0.120631	0.00907	-0.06541	0.15818	0.101836	0.02777	-0.00062	0.98933
2.01E-21	0.449763	1.23E-24	0.081582	0.0782	0.063207	0.17269	0.30417	1.88E-11
5.59E-14	-0.37424	5.67E-17	-0.12432	0.00715	-0.06284	0.17517	-0.34598	1.41E-14
0.00236	-0.11237	0.01511	0.044529	0.33697	-0.03871	0.40397	-0.07496	0.10572
2.27E-32	0.635645	3.17E-54	0.063594	0.17007	0.080567	0.08199	0.3402	4.07E-14
2.90E-14	0.459648	8.65E-26	0.125119	0.00678	0.182315	7.42E-05	0.234604	2.93E-07
1.24E-29	0.628562	1.03E-52	0.065176	0.15967	0.097134	0.03587	0.241467	1.27E-07
5.96E-37	0.635786	2.95E-54	0.135955	0.00324	0.134334	0.00363	0.37261	7.91E-17
1.62E-42	0.548253	5.35E-38	0.125686	0.00654	0.096894	0.03633	0.302181	2.57E-11
3.62E-13	0.384281	6.99E-18	0.057654	0.21364	0.073873	0.11087	0.233634	3.29E-07
8.42E-15	0.440429	1.40E-23	0.050185	0.27913	0.115009	0.01288	0.370165	1.30E-16
7.51E-12	0.430333	1.78E-22	0.089952	0.05206	0.102128	0.02732	0.247379	6.10E-08
3.14E-22	0.625465	4.57E-52	0.070488	0.12824	0.13803	0.0028	0.206193	7.05E-06
8.54E-11	0.230939	4.52E-07	-0.02128	0.64641	0.006912	0.88157	0.152277	0.00096
6.60E-08	0.385733	5.13E-18	0.019015	0.68191	0.107727	0.01988	0.126677	0.00612
0.0002	0.277727	1.02E-09	0.057375	0.21587	0.105261	0.02291	0.026244	0.57159
6.64E-05	-0.26808	3.96E-09	-0.0204	0.66012	-0.09203	0.04685	-0.14058	0.00233
2.31E-09	0.327438	3.93E-13	0.136795	0.00305	0.123265	0.00766	0.341673	3.11E-14
5.56E-11	0.417324	4.18E-21	0.041361	0.3725	0.108385	0.01914	0.141615	0.00216
8.11E-06	0.290096	1.66E-10	0.027413	0.55457	0.084042	0.0696	0.106162	0.02176
2.01E-06	0.277733	1.02E-09	0.10035	0.03014	0.066605	0.15069	-0.02291	0.62144
2.36E-12	0.453253	4.87E-25	0.091956	0.04703	0.079641	0.08558	0.224129	9.94E-07
1.34E-05	0.299596	3.86E-11	0.124923	0.00687	0.128519	0.00541	0.266219	5.11E-09
1.90E-13	0.442799	7.61E-24	0.109516	0.01791	0.140864	0.00228	0.604292	8.00E-48
1.47E-12	0.376824	3.33E-17	0.055386	0.23224	0.003354	0.94237	0.070717	0.127
2.79E-14	0.456817	1.87E-25	0.110042	0.01737	0.142064	0.00209	0.452031	6.75E-25
7.19E-20	0.547988	5.89E-38	0.076358	0.09934	0.160655	0.00049	0.193141	2.64E-05
2.81E-37	0.678229	3.30E-64	0.11688	0.01148	0.139431	0.00253	0.226502	7.57E-07
2.54E-08	0.295648	7.12E-11	0.009835	0.83213	0.119999	0.00944	0.159085	0.00056
1.54E-11	0.394192	8.23E-19	0.015268	0.74209	0.073868	0.11089	0.269837	3.11E-09
1.88E-14	0.448012	1.96E-24	0.070851	0.12628	0.11338	0.01423	0.307574	1.09E-11
1.82E-20	0.537468	2.59E-36	0.078638	0.08961	0.128607	0.00538	0.238135	1.91E-07
2.58E-17	0.459942	7.99E-26	0.077611	0.09389	0.185425	5.55E-05	0.168279	0.00026
0.04619	0.23152	4.22E-07	0.071145	0.12471	0.115908	0.01219	-0.00289	0.95038
4.17E-25	0.615004	6.26E-50	0.123237	0.00767	0.167176	0.00028	0.472905	2.14E-27
2.03E-08	0.425715	5.55E-22	0.103413	0.02543	0.128176	0.00554	0.138451	0.00271
2.58E-10	0.357376	1.63E-15	0.04944	0.28633	0.099135	0.0322	0.227757	6.55E-07
2.90E-29	0.58996	3.98E-45	0.053631	0.2474	0.113499	0.01412	0.310918	6.33E-12

2.54E-05	0.237682	2.02E-07	0.09452	0.04118	0.161179	0.00047	0.263263	7.64E-09
4.21E-12	0.5037	2.06E-31	0.024461	0.59801	0.170366	0.00022	0.164505	0.00036
5.89E-17	0.503684	2.07E-31	0.112802	0.01473	0.163441	0.00039	0.393161	1.03E-18
2.00E-15	0.449768	1.23E-24	0.123514	0.00753	0.115036	0.01286	0.424055	8.32E-22
3.44E-18	0.463875	2.71E-26	0.072964	0.11534	0.088449	0.05613	0.192997	2.68E-05
1.65E-09	0.351818	4.71E-15	0.010934	0.8137	0.034336	0.45916	0.068218	0.14103
8.59E-37	0.628975	8.40E-53	0.057991	0.21097	0.106722	0.02107	0.234294	3.04E-07
0.00024	-0.15659	0.00068	-0.00772	0.86783	0.007152	0.87749	-0.07059	0.12771
0.00102	0.231946	4.01E-07	0.052488	0.25763	-0.00135	0.97679	0.172206	0.00018
2.91E-26	0.623288	1.29E-51	0.16038	0.0005	0.205953	7.23E-06	0.285329	3.37E-10
0.12169	0.10668	0.02112	0.747346	1.36E-84	0.146549	0.0015	0.115943	0.01217
0.02573	0.14051	0.00234	0.529815	3.74E-35	0.011953	0.7967	0.102065	0.02742
0.13836	0.083536	0.0713	0.639031	5.81E-55	0.017779	0.70157	-0.07366	0.11189
0.02091	0.064641	0.16313	0.681039	6.30E-65	0.088775	0.05523	0.04261	0.35822
0.95491	0.035243	0.44738	0.449986	1.16E-24	0.013554	0.77018	-0.02816	0.54378
0.04029	0.112907	0.01464	0.466676	1.24E-26	0.085548	0.06473	0.233274	3.43E-07
0.9459	-0.00693	0.88119	0.494439	3.67E-30	0.029422	0.52592	0.026729	0.5645
0.06827	0.101585	0.02816	0.853305	#####	0.089871	0.05228	0.092378	0.04602
0.15251	-0.03454	0.45653	0.618411	1.29E-50	0.117836	0.01082	0.07337	0.11333
0.03917	0.241807	1.22E-07	0.468121	8.28E-27	0.012377	0.78965	0.009823	0.83233
0.00202	0.223781	1.03E-06	0.630042	5.00E-53	0.031276	0.50017	0.122385	0.00811
0.09234	0.017359	0.70829	0.395705	5.90E-19	-0.00376	0.93535	0.00735	0.87413
0.22546	0.122102	0.00825	0.716181	1.20E-74	0.067496	0.14529	0.049614	0.28464
0.37351	-0.0399	0.38963	0.646978	9.99E-57	-0.00502	0.91381	-0.02577	0.57857
0.25838	0.041531	0.37053	0.689185	4.68E-67	0.019997	0.66645	-0.0314	0.4984
0.2062	0.039235	0.3976	0.711871	2.24E-73	0.123507	0.00754	0.044207	0.34047
1.57E-06	0.269884	3.09E-09	0.765898	3.09E-91	0.061632	0.18366	0.248107	5.56E-08
0.78703	0.024802	0.59291	0.846119	#####	0.048034	0.30028	0.045563	0.32585
0.38752	0.187132	4.72E-05	0.514702	5.98E-33	0.15938	0.00055	-0.0153	0.74163
0.00568	0.093399	0.04366	0.085807	0.06392	0.138203	0.00276	0.009386	0.83969
0.00701	0.102025	0.02748	0.082663	0.07432	0.109763	0.01765	0.05368	0.24696
0.00119	0.160339	0.0005	0.806731	#####	0.045091	0.3309	0.117701	0.01091
0.97439	0.005131	0.91195	0.212744	3.51E-06	0.139672	0.00249	0.037214	0.42237
0.94108	-0.00471	0.91916	0.446062	3.26E-24	0.065695	0.15636	-0.07403	0.11011
0.2446	0.045776	0.3236	0.835242	#####	0.022966	0.62058	0.042905	0.3549
0.00044	0.217861	2.01E-06	0.868394	#####	0.061026	0.18802	0.107528	0.02011
0.10822	0.101367	0.0285	0.451712	7.35E-25	0.043242	0.35113	0.040541	0.38206
0.14408	0.020569	0.6575	0.559191	9.03E-40	-0.01277	0.78318	0.019262	0.67802
0.00016	0.179785	9.36E-05	0.724693	3.16E-77	0.110206	0.0172	0.09029	0.05118
0.00482	0.098288	0.03371	0.539277	1.36E-36	0.030197	0.51507	-0.09793	0.03437
0.00201	0.125597	0.00657	0.746875	1.97E-84	0.055945	0.22755	0.058335	0.20828
0.07473	0.060981	0.18834	0.553851	6.75E-39	-0.01448	0.75505	-0.05729	0.21652
1.49E-05	0.133053	0.00397	0.439548	1.75E-23	0.052161	0.26061	0.074726	0.10679
0.09831	0.05824	0.20902	0.555522	3.61E-39	0.037184	0.42274	0.06028	0.19348
0.79613	-0.0045	0.92266	0.835428	#####	0.038699	0.40408	0.012285	0.79118

0.14774	0.17067	0.00021	0.544883	1.83E-37	0.076071	0.10062	0.002012	0.96542
0.56926	0.033307	0.47274	0.654973	1.48E-58	0.050258	0.27843	0.105561	0.02252
0.16758	0.072719	0.11657	0.67532	1.79E-63	0.021669	0.64045	0.004596	0.9211
0.00033	0.229304	5.47E-07	0.690467	2.13E-67	0.048959	0.29106	0.080474	0.08235
0.08184	0.075784	0.10191	0.798096	#####	0.048463	0.29598	-0.00833	0.85753
0.06079	0.07659	0.09831	0.565041	9.56E-41	0.04698	0.31102	0.049967	0.28123
0.48726	0.104314	0.02417	0.492002	7.72E-30	-0.00086	0.98521	-0.04312	0.35247
0.811	0.129924	0.00492	0.450742	9.51E-25	0.055526	0.23106	-0.10769	0.01992
0.51499	-0.01151	0.80405	0.863227	#####	0.085904	0.06362	0.042993	0.35391
0.82337	0.011196	0.80931	0.839366	#####	0.116112	0.01204	0.095687	0.03873
0.20294	-0.04621	0.31908	0.604693	6.69E-48	-0.00014	0.99759	-0.07177	0.12143
0.00149	0.164174	0.00037	0.806647	#####	0.111631	0.0158	0.284627	3.74E-10
0.43747	0.030652	0.50875	0.884334	#####	0.032669	0.48127	-0.00667	0.88562
0.05577	0.090762	0.04997	0.441023	1.20E-23	0.049972	0.28117	0.127271	0.00588
0.05439	0.071493	0.12288	0.613238	1.41E-49	0.034972	0.45087	0.029081	0.53074
0.19544	0.102451	0.02684	0.770105	7.87E-93	0.083926	0.06999	-0.00273	0.95301
0.00642	0.161983	0.00044	0.515925	4.00E-33	0.050423	0.27685	0.039262	0.39726
0.0331	0.207085	6.42E-06	0.437484	2.97E-23	0.132681	0.00408	-0.02621	0.57202
0.44686	-0.04948	0.28597	0.586225	1.91E-44	0.013007	0.77921	-0.01927	0.67782
0.00326	0.138658	0.00267	0.627348	1.85E-52	0.050684	0.27437	0.098238	0.0338
1.85E-05	0.224746	9.26E-07	0.704157	3.69E-71	0.094373	0.0415	0.157032	0.00066
0.19982	0.049896	0.2819	0.710194	6.90E-73	0.013458	0.77177	0.113173	0.0144
0.00237	0.102303	0.02706	0.176231	0.00013	0.024627	0.59553	-0.01804	0.69732
0.0212	0.069762	0.13223	0.524709	2.14E-34	0.006899	0.88179	-0.02839	0.5406
0.00768	0.135656	0.00331	0.598938	8.44E-47	0.142185	0.00207	0.167878	0.00027
0.0973	0.090624	0.05033	0.838268	#####	0.089857	0.05231	0.051669	0.26514
0.17839	0.112846	0.01469	0.559752	7.29E-40	0.00664	0.88621	-0.0173	0.70925
7.99E-07	0.237226	2.14E-07	0.506284	9.07E-32	0.059251	0.20121	0.116076	0.01207
0.21912	-0.03117	0.50156	0.427776	3.35E-22	0.040516	0.38235	0.010925	0.81386
0.00028	0.182498	7.29E-05	0.596462	2.47E-46	0.021094	0.64934	0.224207	9.85E-07
0.81919	0.01845	0.69087	0.598106	1.21E-46	0.168805	0.00025	0.090268	0.05124
0.00999	0.120277	0.00928	0.425281	6.17E-22	0.083397	0.07178	-0.00418	0.92816
0.89468	0.057858	0.21203	0.721366	3.31E-76	0.066278	0.15271	0.154549	0.00081
0.00572	0.217577	2.07E-06	0.608083	1.47E-48	0.005516	0.90537	0.031987	0.49046
0.93392	0.022981	0.62035	0.275494	1.40E-09	0.140972	0.00226	0.00486	0.91658
0.01683	0.089742	0.05262	0.448228	1.85E-24	0.092686	0.04529	0.056549	0.22257
0.18093	0.086323	0.06233	0.549577	3.29E-38	0.054655	0.23847	0.030365	0.51273
0.0003	0.174682	0.00015	0.616293	3.45E-50	0.145819	0.00158	0.22472	9.29E-07
0.04502	0.078065	0.09198	0.931328	#####	0.057197	0.2173	0.021036	0.65025
0.52944	0.041263	0.37363	0.583663	5.53E-44	0.137028	0.003	0.042253	0.36226
0.00044	0.14975	0.00117	0.894091	#####	0.059012	0.20304	0.112477	0.01502
0.01191	0.106021	0.02194	0.934907	#####	0.055519	0.23112	0.091893	0.04718
0.08705	0.139107	0.00259	0.539141	1.43E-36	0.111823	0.01562	0.090119	0.05163
0.8466	0.023272	0.61593	0.746258	3.21E-84	0.056049	0.22669	0.046965	0.31117
0.00605	0.179537	9.57E-05	0.910251	#####	0.096706	0.0367	0.04533	0.32834



0.42396	0.008842	0.84886	0.409152	2.83E-20	0.092415	0.04593	0.074284	0.10889
0.06091	0.092727	0.0452	0.719381	1.32E-75	0.159046	0.00056	0.154576	0.0008
0.03918	0.104513	0.0239	0.62768	1.57E-52	0.083248	0.07229	0.094509	0.04121
0.55548	0.075726	0.10217	0.444592	4.78E-24	0.034893	0.4519	-0.01647	0.72261
0.91656	0.00235	0.95961	0.040057	0.38777	0.037394	0.42013	0.050836	0.27293
0.67293	0.031683	0.4946	0.047108	0.3097	0.068066	0.14192	0.069994	0.13095
0.23697	0.240122	1.50E-07	0.592105	1.60E-45	0.073464	0.11286	0.067454	0.14554
0.19649	0.076275	0.0997	0.416379	5.23E-21	0.026338	0.57021	0.033055	0.47608
0.00061	0.193195	2.63E-05	0.739495	5.94E-82	0.077906	0.09264	0.22936	5.44E-07
0.22373	0.057308	0.21641	0.424589	7.30E-22	0.048617	0.29444	0.066887	0.14897
0.00756	0.126726	0.0061	0.632867	1.25E-53	0.089854	0.05232	0.15006	0.00114
0.34899	0.000235	0.99596	0.489089	1.86E-29	-0.03429	0.45972	-0.01785	0.70041
0.48907	0.030405	0.51218	0.40915	2.84E-20	0.017175	0.71125	-0.03404	0.46305
0.25546	0.031916	0.49143	0.822336	#####	0.069868	0.13164	0.082406	0.07523
0.35136	0.116192	0.01198	0.456562	2.00E-25	0.022062	0.6344	0.035789	0.44036
0.01385	0.118545	0.01035	0.548842	4.31E-38	0.104593	0.0238	0.073352	0.11341
0.14122	0.045482	0.32672	0.06064	0.19082	0.076041	0.10075	0.037364	0.42049
0.00092	0.261363	9.87E-09	0.423777	8.90E-22	0.200287	1.30E-05	0.098774	0.03284
0.00668	0.211339	4.09E-06	0.478148	4.73E-28	0.106357	0.02152	0.024801	0.59292
0.00159	0.153196	0.0009	0.548588	4.73E-38	0.092864	0.04488	0.037872	0.4142
0.14366	0.062457	0.17785	0.651803	7.98E-58	0.31384	3.92E-12	0.096035	0.03803
1.62E-06	-0.24251	1.12E-07	-0.03028	0.51394	0.028822	0.53439	-0.19141	3.13E-05
0.00014	-0.10953	0.0179	-0.01137	0.80649	-0.00265	0.9545	0.004059	0.9303
0.45516	-0.03378	0.46642	-0.03836	0.40818	-0.00804	0.8625	-0.16602	0.00031
0.23869	0.016552	0.72127	0.004814	0.91736	0.09334	0.04379	-0.19484	2.24E-05
0.38098	-0.04264	0.35793	-0.06321	0.17264	0.012593	0.78607	-0.18758	4.52E-05
8.09E-10	0.302939	2.28E-11	0.073395	0.1132	0.004522	0.92235	0.220193	1.55E-06
0.51843	0.028171	0.54368	0.014637	0.75239	-0.01851	0.68997	-0.23815	1.91E-07
5.03E-07	0.232583	3.72E-07	0.019198	0.67903	0.008052	0.86223	-0.0762	0.10005
0.94271	0.116441	0.0118	0.045808	0.32326	0.041155	0.37488	0.175765	0.00013
0.35923	-0.04333	0.35015	-0.10968	0.01774	0.015244	0.74249	-0.20432	8.56E-06
0.87048	-0.09948	0.03161	-0.10652	0.02132	-0.01643	0.72317	-0.24492	8.30E-08
7.13E-05	0.162258	0.00043	0.048608	0.29453	0.00394	0.93233	-0.20099	1.21E-05
0.34242	0.099712	0.03121	0.096195	0.03771	0.098049	0.03415	0.037228	0.42219
0.01479	-0.16114	0.00047	0.088633	0.05562	-0.01724	0.71021	-0.16982	0.00023
0.47251	-0.07471	0.10686	-0.11734	0.01116	-0.08096	0.08052	-0.26781	4.11E-09
1.71E-11	0.156154	0.00071	0.029194	0.52914	-0.03623	0.43476	-0.12044	0.00918
0.03734	-0.14114	0.00223	-0.04493	0.33263	-0.02425	0.60116	-0.23061	4.70E-07
0.00013	-0.19466	2.28E-05	-0.08187	0.07714	-0.14677	0.00147	-0.18324	6.80E-05
3.67E-06	-0.21137	4.07E-06	-0.15241	0.00095	-0.03698	0.42525	-0.27938	8.04E-10
2.73E-15	-0.45491	3.13E-25	-0.12698	0.006	-0.17392	0.00016	-0.35277	3.93E-15
6.49E-29	-0.51815	1.92E-33	-0.14933	0.00121	-0.11552	0.01248	-0.25983	1.21E-08
0.00166	0.138569	0.00269	-0.06449	0.16415	0.013095	0.77776	-0.19184	3.00E-05
0.03912	-0.199	1.48E-05	-0.11157	0.01586	-0.10636	0.02151	-0.07978	0.08503
0.08206	-0.07846	0.09033	-0.06129	0.18608	-0.04216	0.36337	-0.30624	1.35E-11

0.017	-0.16029	0.00051	-0.10935	0.01809	0.048408	0.29653	-0.207	6.47E-06
0.63994	0.115478	0.01252	-0.03478	0.45342	0.116633	0.01166	-0.04483	0.33375
0.0132	-0.10571	0.02233	-0.05291	0.25378	-0.07661	0.09822	-0.0674	0.14589
0.12364	-0.10964	0.01778	0.064738	0.1625	0.051037	0.27103	0.089228	0.05399
0.43588	-0.11625	0.01194	-0.08423	0.06897	-0.12623	0.00631	-0.12381	0.00739
0.35714	-0.0363	0.43384	-0.09397	0.04238	-0.0372	0.42258	-0.26751	4.28E-09
0.0015	0.01315	0.77684	-0.00264	0.95466	0.030956	0.50456	-0.16737	0.00028
0.02011	0.020632	0.65653	-0.03665	0.42945	-0.08263	0.07445	0.124574	0.00703
1.09E-09	0.275571	1.39E-09	0.043749	0.3455	0.003749	0.9356	0.226532	7.55E-07
0.02957	-0.23473	2.89E-07	0.029328	0.52725	-0.00364	0.93745	-0.18625	5.13E-05
3.02E-20	-0.42553	5.81E-22	-0.08852	0.05593	-0.03822	0.40996	-0.23515	2.74E-07
0.86775	0.029124	0.53012	0.011453	0.80503	0.005551	0.90477	-0.23585	2.52E-07
0.07323	-0.02604	0.57462	-0.04734	0.3073	0.032552	0.48283	-0.16913	0.00024
0.54485	0.181736	7.82E-05	0.053864	0.24534	0.17718	0.00012	0.054185	0.24254
2.06E-08	-0.25095	3.87E-08	-0.1198	0.00956	-0.00341	0.94138	-0.14996	0.00115
0.00011	0.061457	0.18491	-0.13029	0.0048	-0.08341	0.07172	-0.08745	0.05897
0.0152	0.139849	0.00245	-0.00497	0.91473	0.107405	0.02026	-0.24759	5.93E-08
0.00123	-0.10882	0.01866	-0.05997	0.19579	0.024324	0.60006	-0.1071	0.02062
1.41E-10	-0.30994	7.42E-12	0.055201	0.23381	-0.02454	0.5968	-0.02788	0.54785
1.02E-07	-0.19012	3.54E-05	0.014017	0.76256	0.028718	0.53587	-0.12869	0.00535
0.00949	0.307538	1.09E-11	0.083071	0.0729	0.167853	0.00027	-0.05753	0.21466
0.0138	0.052428	0.25817	-0.09124	0.04879	0.017082	0.71274	-0.01942	0.67548
2.98E-07	-0.27597	1.31E-09	0.013682	0.76808	-0.08403	0.06964	-0.19859	1.54E-05
2.40E-07	-0.3238	7.35E-13	-0.08841	0.05623	-0.0887	0.05544	-0.35041	6.15E-15
0.94461	-0.06475	0.1624	-0.10433	0.02415	-0.08677	0.06097	-0.25691	1.78E-08
0.01369	-0.20799	5.84E-06	-0.10744	0.02022	-0.05258	0.25679	-0.20145	1.15E-05
1.78E-12	-0.4002	2.17E-19	-0.09625	0.0376	-0.10978	0.01764	-0.17661	0.00012
1.75E-35	-0.65267	5.04E-58	-0.11855	0.01035	-0.1195	0.00975	-0.24412	9.17E-08
6.02E-07	-0.31883	1.71E-12	-0.10546	0.02266	-0.06918	0.13547	-0.23439	3.00E-07
0.22309	-0.20384	9.00E-06	-0.07531	0.10409	-0.03373	0.46713	-0.18611	5.20E-05
0.16	-0.16965	0.00023	-0.08632	0.06235	-0.0727	0.11666	-0.31947	1.53E-12
3.33E-06	0.200085	1.32E-05	-0.03958	0.39351	0.000274	0.99529	-0.04003	0.38807
3.12E-28	-0.59205	1.64E-45	-0.10067	0.02961	-0.15016	0.00113	-0.19563	2.07E-05
1.26E-11	-0.3056	1.49E-11	-0.0513	0.26861	-0.07545	0.10341	-0.15435	0.00082
1.90E-12	-0.34009	4.15E-14	-0.11624	0.01195	-0.05988	0.19647	-0.22572	8.28E-07
0.00469	0.086376	0.06217	-0.05112	0.27023	-0.03856	0.40583	-0.11328	0.01431
5.77E-11	0.210983	4.24E-06	0.031973	0.49065	-0.04543	0.32731	-0.12075	0.009
0.13099	-0.01638	0.72399	-0.06651	0.15125	0.084233	0.06896	-0.06048	0.192
0.00039	-0.18681	4.87E-05	-0.07607	0.10061	-0.02992	0.51897	-0.21028	4.58E-06
8.54E-05	-0.2221	1.25E-06	-0.12591	0.00644	-0.09765	0.03489	-0.22246	1.20E-06
0.2253	-0.03856	0.40573	-0.03806	0.41185	-0.06491	0.16136	-0.14327	0.00191
0.22248	-0.05323	0.25097	-0.05721	0.21723	-0.05603	0.22681	-0.16362	0.00038
5.41E-08	-0.311	6.25E-12	-0.09217	0.04652	-0.05223	0.26	-0.26145	9.76E-09
4.12E-07	-0.31724	2.23E-12	-0.08558	0.06462	-0.03788	0.41411	-0.16928	0.00024
6.89E-41	-0.62522	5.14E-52	-0.07942	0.08645	-0.09733	0.0355	-0.12548	0.00663

6.61E-14	-0.47592	9.00E-28	-0.13651	0.00312	-0.05143	0.26739	-0.25348	2.79E-08
1.43E-14	-0.46315	3.31E-26	-0.1878	4.43E-05	-0.15784	0.00062	-0.30839	9.54E-12
6.78E-10	0.03978	0.39106	-0.00123	0.97881	-0.06147	0.18482	-0.1194	0.0098
0.00292	-0.17738	0.00012	-0.04453	0.33692	-0.09037	0.05099	-0.16557	0.00033
1.11E-05	-0.3075	1.10E-11	-0.06052	0.19174	-0.04699	0.31089	-0.19889	1.49E-05
1.44E-07	-0.36131	7.57E-16	-0.12973	0.00499	-0.0674	0.14589	-0.20123	1.18E-05
5.92E-12	-0.40298	1.16E-19	-0.05031	0.27792	-0.11967	0.00964	-0.17826	0.00011
0.02041	0.138829	0.00264	-0.03576	0.44075	0.081819	0.07734	-0.09369	0.043
1.39E-23	-0.57188	6.54E-42	-0.11374	0.01392	-0.09295	0.04467	-0.2236	1.06E-06
0.26666	-0.12902	0.00523	0.03589	0.43907	-0.00579	0.9007	-0.06357	0.17021
0.3543	-0.05939	0.20012	-0.02722	0.55736	0.003482	0.94018	-0.10961	0.01781
6.78E-07	-0.39619	5.29E-19	-0.05338	0.24964	-0.13107	0.00455	-0.25048	4.11E-08
8.64E-11	-0.29315	1.04E-10	-0.06265	0.17651	-0.07266	0.11687	-0.14364	0.00186
0.00883	-0.17642	0.00013	-0.04302	0.35366	-0.06957	0.13332	-0.1866	4.96E-05
1.78E-07	-0.25563	2.11E-08	-0.10427	0.02424	-0.03041	0.51214	-0.14996	0.00115
0.00053	0.08678	0.06095	0.036133	0.43598	0.008415	0.85608	-0.03813	0.41097
0.10576	-0.19292	2.70E-05	-0.05977	0.19726	-0.05427	0.24184	-0.20609	7.12E-06
0.03111	0.061002	0.18819	0.01577	0.73393	0.000339	0.99417	-0.19261	2.78E-05
0.74272	-0.02537	0.58449	-0.10248	0.02679	-0.05475	0.23768	-0.24766	5.88E-08
0.00158	0.068231	0.14096	-0.0442	0.34059	-0.03016	0.51558	-0.18481	5.88E-05
4.42E-21	0.215861	2.50E-06	-0.04997	0.28116	-0.0798	0.08494	-0.09487	0.04043
1.57E-17	-0.48741	3.08E-29	-0.13525	0.00341	-0.18427	6.18E-05	-0.30291	2.29E-11
0.12354	-0.04281	0.35597	-0.03775	0.41571	-0.03154	0.49651	-0.16799	0.00027
5.90E-15	-0.42415	8.13E-22	-0.08518	0.06591	-0.10537	0.02277	-0.22274	1.16E-06
9.87E-39	-0.64963	2.50E-57	-0.05245	0.25798	-0.137	0.00301	-0.28052	6.82E-10
9.08E-33	-0.56811	2.88E-41	-0.12338	0.0076	-0.07595	0.10115	-0.21478	2.82E-06
0.18662	-0.1149	0.01297	-0.00666	0.88586	-0.06559	0.15705	-0.08246	0.07505
1.82E-21	-0.48554	5.39E-29	-0.1302	0.00483	-0.06185	0.18211	-0.21032	4.56E-06
0.53901	-0.03932	0.39657	-0.05083	0.273	-0.06368	0.16952	-0.19198	2.96E-05
0.00282	-0.22556	8.44E-07	-0.08909	0.05436	-0.05832	0.20842	-0.25257	3.14E-08
2.50E-25	-0.51826	1.85E-33	-0.15878	0.00057	-0.11014	0.01726	-0.32729	4.03E-13
0.35212	-0.0138	0.76619	-0.0455	0.32652	-0.02463	0.59552	-0.14393	0.00182
0.06871	-0.18556	5.48E-05	-0.04345	0.3488	-0.10044	0.02999	-0.14939	0.0012
1.99E-10	-0.29173	1.30E-10	-0.08566	0.06437	-0.06825	0.14087	-0.20092	1.21E-05
9.35E-06	-0.27672	1.18E-09	0.001353	0.97674	-0.03506	0.44968	-0.10978	0.01763
1.08E-31	-0.58538	2.71E-44	-0.11088	0.01652	-0.06645	0.15163	-0.20308	9.74E-06
8.57E-06	0.012788	0.78284	0.021253	0.64688	-0.01536	0.74055	-0.04754	0.30524
0.27308	-0.01827	0.69375	-0.0645	0.16402	-0.0247	0.59439	-0.28074	6.61E-10
0.91159	-0.05909	0.20242	-0.02018	0.66356	-0.03537	0.44576	-0.11722	0.01124
4.22E-08	0.170203	0.00022	-0.02214	0.63326	-0.01035	0.82352	-0.12164	0.0085
5.24E-07	-0.27375	1.80E-09	-0.0308	0.50669	-0.01571	0.73492	-0.13338	0.00388
0.0716	0.04281	0.35597	0.017124	0.71207	0.03289	0.4783	-0.09714	0.03585
0.6865	0.027233	0.55717	-0.01111	0.81073	-0.0442	0.34055	-0.19027	3.49E-05
2.19E-36	-0.65649	6.55E-59	-0.1091	0.01836	-0.08827	0.05664	-0.22529	8.70E-07
0.31687	-0.11261	0.0149	-0.01422	0.75928	-0.07333	0.1135	-0.1331	0.00396

3.16E-12	-0.37675	3.39E-17	-0.08004	0.08401	-0.12242	0.00808	-0.27914	8.33E-10
1.32E-06	0.13501	0.00346	-0.05297	0.25326	-0.04406	0.3421	-0.16253	0.00042
2.51E-06	-0.33031	2.38E-13	-0.0872	0.05971	-0.1718	0.00019	-0.28591	3.10E-10
2.73E-16	-0.41603	5.68E-21	-0.13056	0.00471	-0.04623	0.31885	-0.23899	1.73E-07
0.00102	-0.22462	9.40E-07	-0.04718	0.309	-0.06028	0.19345	-0.25033	4.19E-08
1.93E-05	0.126249	0.0063	-0.0623	0.17896	-0.03931	0.39672	-0.07382	0.11112
2.07E-05	-0.2642	6.73E-09	-0.12053	0.00913	-0.09514	0.03987	-0.25529	2.20E-08
8.79E-18	-0.50111	4.65E-31	-0.13932	0.00255	-0.09382	0.04272	-0.2781	9.67E-10
1.17E-10	-0.40265	1.25E-19	-0.0198	0.66947	-0.04177	0.36773	-0.15415	0.00083
0.89801	-0.04636	0.31749	0.009578	0.83645	-0.00565	0.90311	-0.22003	1.58E-06
0.12728	-0.02408	0.60372	0.011535	0.80367	-0.03462	0.45539	0.193419	2.57E-05
0.00075	-0.2514	3.65E-08	-0.0858	0.06394	-0.11	0.0174	-0.03524	0.44746
2.59E-05	-0.1242	0.0072	-0.12696	0.00601	-0.03737	0.42045	-0.28233	5.24E-10
0.89577	-0.06673	0.1499	-0.04033	0.38456	0.060725	0.1902	-0.21107	4.20E-06
0.9497	-0.05183	0.26364	-0.08618	0.06276	-0.11593	0.01218	-0.22748	6.77E-07
0.4147	-0.02009	0.66502	-0.10047	0.02994	-0.06726	0.1467	-0.01677	0.71784
0.03381	-0.21445	2.92E-06	0.021805	0.63835	-0.07009	0.13043	-0.28192	5.56E-10
0.00118	-0.25501	2.29E-08	-0.18537	5.57E-05	-0.15176	0.001	-0.17443	0.00015
7.64E-21	-0.42211	1.33E-21	-0.03563	0.44238	-0.04226	0.36214	-0.16972	0.00023
0.00227	-0.23667	2.29E-07	0.044881	0.33316	-0.06539	0.15828	-0.04318	0.3518
0.05585	-0.05678	0.22066	0.032703	0.4808	-0.01387	0.76504	0.036344	0.43331
3.84E-08	-0.3772	3.08E-17	-0.07137	0.12353	-0.10567	0.02238	-0.13316	0.00394
0.86358	-0.01611	0.72849	0.007013	0.87986	0.003886	0.93326	-0.17972	9.42E-05
4.98E-09	-0.26988	3.09E-09	-0.1361	0.00321	-0.02561	0.58098	-0.17459	0.00015
0.59718	0.152303	0.00096	0.040207	0.38599	0.005703	0.90217	-0.15726	0.00065
0.00295	0.209122	5.18E-06	0.00203	0.9651	-0.00637	0.89086	0.013605	0.76935
0.00077	-0.31339	4.22E-12	0.017613	0.70422	-0.05358	0.24784	0.054952	0.23592
0.00076	-0.07574	0.10211	0.019331	0.67692	-0.01562	0.73631	0.023824	0.60758
0.17233	-0.01916	0.67962	0.034157	0.4615	-0.02598	0.57551	-0.12199	0.00832
0.00056	0.095238	0.03966	-0.00077	0.98672	-0.01556	0.7374	0.132756	0.00405
3.49E-07	-0.27832	9.37E-10	-0.03813	0.41107	-0.0751	0.10504	0.064657	0.16303
0.36458	-0.17825	0.00011	0.002492	0.95717	-0.00385	0.9339	0.019551	0.67346
0.19563	-0.12058	0.0091	0.097405	0.03535	-0.04756	0.30503	-0.10046	0.02995
0.01462	0.078579	0.08985	0.077896	0.09269	0.005124	0.91206	-0.01351	0.77088
0.00412	-0.16722	0.00028	-0.02244	0.62856	-0.03861	0.40518	-0.01148	0.80459
0.33652	-0.19436	2.34E-05	-0.04821	0.29855	-0.10994	0.01747	-0.00274	0.95299
0.12541	-0.18749	4.56E-05	0.002708	0.95345	-0.04576	0.32376	0.01006	0.82835
0.31229	-0.12364	0.00747	-0.00468	0.91965	-0.05765	0.21366	-0.00076	0.98687
0.25925	-0.21561	2.57E-06	0.011613	0.80236	-0.04872	0.2934	-0.03103	0.50353
0.00179	-0.32067	1.25E-12	0.04884	0.29223	-0.05217	0.26051	-0.01697	0.71446
3.00E-05	-0.1453	0.00164	-0.11329	0.0143	-0.02202	0.63508	-0.18186	7.74E-05
0.40941	0.074165	0.10946	0.051197	0.26953	0.048416	0.29644	0.131073	0.00455
0.00071	0.131555	0.0044	0.101616	0.02811	-0.05525	0.23342	0.069499	0.1337
0.68834	-0.04147	0.3712	0.031301	0.49981	-0.00614	0.89472	0.016025	0.7298
0.6792	-0.10082	0.02938	-0.08038	0.0827	-0.15148	0.00102	-0.10313	0.02584

7.61E-08	-0.43015	1.87E-22	-0.03242	0.48456	-0.06343	0.17118	-0.03584	0.43976
0.00044	-0.1779	0.00011	0.061204	0.18673	-0.0372	0.42252	-0.05545	0.23167
0.6308	0.064428	0.16452	0.042771	0.3564	0.008308	0.85788	-0.12518	0.00676
0.03689	-0.27811	9.66E-10	-0.05276	0.25513	-0.03279	0.47962	0.054907	0.23631
0.01473	-0.22379	1.03E-06	0.01162	0.80225	-0.05123	0.26923	-0.04971	0.28367
0.05898	-0.22395	1.01E-06	0.037545	0.41825	-0.09711	0.03592	-0.09374	0.04289
8.04E-19	-0.33411	1.22E-13	-0.0153	0.74159	0.009974	0.82979	-0.09951	0.03155
0.02224	-0.11601	0.01211	0.00226	0.96115	-0.03264	0.48161	0.007151	0.87751
0.114	-0.23022	4.92E-07	-0.09809	0.03408	-0.06221	0.17955	-0.04911	0.28958
0.99677	-0.01841	0.69152	-0.07834	0.09085	0.01125	0.80842	0.000445	0.99235
0.97423	-0.22327	1.10E-06	-0.00429	0.92633	-0.03411	0.46218	-0.03118	0.50144
0.01208	-0.04311	0.35264	-0.03557	0.44312	-0.08006	0.08394	-0.01275	0.78343
0.1434	0.029033	0.5314	-0.00031	0.99461	0.032881	0.47842	-0.04171	0.36844
2.78E-08	-0.25718	1.72E-08	0.032335	0.48576	-0.00842	0.85604	-0.09311	0.04432
1.38E-08	-0.19231	2.87E-05	-0.00747	0.87214	-0.02647	0.56834	-0.08267	0.0743
0.01689	-0.06807	0.14188	-0.03812	0.41113	-0.01068	0.81803	-0.08285	0.07366
1.85E-06	0.092507	0.04571	0.028703	0.53609	-0.03022	0.51475	0.014445	0.75554
0.01315	-0.06874	0.13802	-0.03631	0.43376	0.018899	0.68375	-0.03061	0.50929
0.00023	0.024543	0.59679	0.056252	0.22501	-0.0073	0.87494	-0.03757	0.4179
0.92963	-0.16011	0.00051	-0.02201	0.63514	-0.10999	0.01742	-0.14684	0.00146
5.30E-12	-0.31487	3.31E-12	-0.05838	0.20793	-0.13349	0.00385	-0.10308	0.02591
0.85279	0.091953	0.04703	-0.16572	0.00032	0.014886	0.74834	-0.14743	0.0014
0.05703	-0.24696	6.43E-08	-0.03084	0.50618	-0.05628	0.22479	-0.00505	0.91335
0.97947	-0.14825	0.00131	0.00745	0.87244	-0.09128	0.04867	0.178352	0.00011
0.31881	0.090406	0.05088	-0.05082	0.2731	0.030436	0.51174	-0.107	0.02074
4.16E-05	-0.30339	2.13E-11	0.016831	0.71677	-0.03725	0.42191	-0.005	0.91416
0.46494	0.144735	0.00171	0.003291	0.94346	0.078588	0.08982	0.101972	0.02756
8.65E-12	-0.30062	3.29E-11	-0.04246	0.35993	-0.02011	0.66466	-0.08264	0.07439
0.20164	-0.0701	0.13034	-0.05055	0.27566	-0.09998	0.03075	0.045772	0.32364
6.96E-07	-0.19763	1.69E-05	-0.08795	0.05755	-0.03898	0.40072	-0.08409	0.06943
0.3992	-0.06252	0.17745	0.028225	0.5429	-0.02044	0.65949	-0.04911	0.28957
0.10486	-0.0487	0.2936	0.016975	0.71446	-0.0293	0.52762	0.060505	0.19182
7.69E-05	-0.30031	3.45E-11	-0.0463	0.31806	-0.1092	0.01825	0.006207	0.89358
0.01159	-0.08379	0.07045	-0.05249	0.25761	-0.0015	0.97415	-0.16635	0.00031
0.30334	-0.04903	0.29039	-0.01024	0.82535	-0.01892	0.68338	-0.02744	0.55418
0.01929	-0.27091	2.68E-09	0.001968	0.96617	-0.06918	0.13551	0.027354	0.55543
0.04108	-0.13719	0.00297	0.00983	0.83221	-0.02614	0.57306	0.063666	0.16958
0.60185	0.138359	0.00273	0.154982	0.00078	0.116523	0.01174	0.032603	0.48215
0.00488	-0.22245	1.20E-06	0.019484	0.67451	-0.10628	0.02162	0.081477	0.07859
0.11317	-0.00544	0.90666	0.007535	0.871	-0.06015	0.19446	-0.17831	0.00011
1.90E-05	0.127005	0.00599	0.02211	0.63367	-0.00538	0.90773	-0.0136	0.76948
2.22E-09	-0.25605	2.00E-08	-0.15465	0.0008	-0.04749	0.30583	-0.12981	0.00496
2.57E-08	-0.44392	5.70E-24	-0.03876	0.40328	-0.10316	0.0258	-0.1063	0.02158
0.35716	0.122384	0.00811	0.014346	0.75717	0.073552	0.11243	0.077578	0.09403
0.02249	-0.08794	0.05758	-0.0457	0.32437	0.018649	0.68771	0.007869	0.86533

0.003	-0.25353	2.77E-08	-0.0069	0.8817	-0.08408	0.06947	0.00573	0.90171
0.00087	0.128611	0.00538	0.098922	0.03258	-0.03343	0.47107	0.229571	5.31E-07
0.11647	-0.24152	1.27E-07	-0.04823	0.29834	-0.07608	0.10059	0.044943	0.33249
0.32626	0.150161	0.00113	-0.01508	0.74514	0.007127	0.87792	-0.15673	0.00068
0.45328	-0.01441	0.75606	0.051182	0.26967	0.021235	0.64716	0.071288	0.12396
0.19172	-0.11991	0.00949	-0.01924	0.67835	-0.13307	0.00397	-0.04353	0.34792
0.24934	-0.06561	0.15691	0.010155	0.82675	-0.06008	0.19497	-0.1046	0.02379
0.00131	0.041246	0.37383	0.06217	0.17985	0.139869	0.00245	0.119668	0.00964
0.00025	0.056886	0.21981	0.01752	0.70571	-0.00335	0.94242	0.140728	0.0023
0.00379	0.046436	0.31666	0.095589	0.03893	-0.04463	0.33587	-0.01532	0.74122
0.00171	-0.33306	1.47E-13	-0.04698	0.31106	-0.08535	0.06535	0.061577	0.18405
0.99622	-0.10212	0.02734	-0.02363	0.61054	-0.05693	0.21946	-0.06125	0.18637
0.00204	-0.09297	0.04464	-0.0805	0.08225	0.014274	0.75834	-0.01622	0.72662
7.55E-14	-0.55891	1.01E-39	-0.07303	0.11499	-0.10519	0.023	-0.19231	2.87E-05
0.91466	-0.0262	0.57224	0.053444	0.24905	-0.00466	0.91994	0.15842	0.00059
0.78783	-0.06689	0.14898	-0.01341	0.77263	-0.02914	0.52994	0.013892	0.76462
0.47331	-0.00256	0.95607	-0.01487	0.74857	0.066442	0.1517	-0.04515	0.33025
0.03705	0.040969	0.37704	0.023875	0.60681	-0.04184	0.36699	-0.13688	0.00304
1.70E-30	0.411191	1.77E-20	0.068333	0.14036	0.051268	0.26887	-0.03984	0.3903
6.93E-22	0.374417	5.47E-17	0.0639	0.16802	0.000909	0.98437	0.087172	0.05979
5.60E-07	-0.25834	1.48E-08	-0.09752	0.03513	-0.00729	0.87523	-0.10601	0.02195
6.29E-10	-0.26655	4.89E-09	-0.09421	0.04186	-0.12377	0.00741	-0.09034	0.05104
1.40E-23	-0.50193	3.60E-31	-0.07538	0.10376	-0.05825	0.20891	-0.07372	0.11162
0.45592	-0.10519	0.02301	-0.0904	0.0509	-0.04157	0.37008	-0.08282	0.07375
3.43E-11	-0.41018	2.24E-20	0.0161	0.72857	-0.04724	0.30834	0.044145	0.34115
0.00178	-0.09216	0.04655	0.003659	0.93714	0.037422	0.41978	-0.0407	0.38021
2.29E-13	-0.33831	5.74E-14	-0.00087	0.98509	-0.12899	0.00524	-0.01307	0.7781
8.69E-10	-0.26492	6.10E-09	0.013508	0.77094	-0.03933	0.39649	-0.02919	0.52917
1.45E-06	-0.28972	1.75E-10	-0.10654	0.02129	-0.08754	0.05871	-0.05047	0.27643
1.54E-10	-0.40006	2.24E-19	-0.07578	0.10192	-0.07872	0.08926	-0.11405	0.01366
0.00081	-0.187	4.78E-05	-0.07732	0.09513	0.010558	0.82	-0.17108	0.0002
4.93E-05	-0.21892	1.79E-06	-0.06081	0.18956	-0.02414	0.60287	-0.10343	0.02541
1.29E-05	-0.22808	6.31E-07	0.000423	0.99272	-0.03172	0.49404	0.063484	0.17081
2.98E-18	-0.36738	2.27E-16	-0.10589	0.0221	-0.04122	0.37414	-0.01081	0.81575
3.27E-11	-0.24855	5.25E-08	-0.12041	0.0092	0.02374	0.60885	-0.1111	0.01631
6.97E-06	-0.20509	7.91E-06	0.008979	0.84654	0.009402	0.83941	-0.01544	0.73922
2.97E-12	-0.38147	1.26E-17	0.045544	0.32605	-0.08848	0.05605	-0.12245	0.00807
7.79E-10	-0.37925	2.01E-17	-0.06087	0.18917	-0.0617	0.18317	-0.08273	0.07409
4.48E-07	-0.26997	3.05E-09	-0.15451	0.00081	-0.00084	0.98564	-0.10223	0.02717
0.00307	-0.24857	5.24E-08	-0.02331	0.61528	-0.02536	0.58464	0.167102	0.00029
0.00024	-0.12974	0.00498	-0.04033	0.38454	0.038392	0.40782	-0.042	0.36512
0.01462	-0.15742	0.00064	-0.09728	0.03559	-0.03536	0.44589	-0.10072	0.02953
8.01E-11	-0.33928	4.81E-14	0.01643	0.72325	-0.04493	0.33258	-0.00977	0.8332
0.00027	-0.07731	0.09516	0.031016	0.50374	0.073782	0.11131	0.075409	0.10362
1.17E-10	-0.36598	3.01E-16	-0.00911	0.84432	-0.0752	0.10458	-0.03564	0.44225

9.76E-08	-0.35022	6.37E-15	0.008407	0.85621	-0.04043	0.38334	-0.04966	0.28419
4.38E-10	-0.23577	2.55E-07	0.014405	0.7562	0.006016	0.89683	-0.05911	0.20227
1.03E-13	-0.43673	3.59E-23	-0.02662	0.56611	-0.04227	0.36204	-0.11427	0.01348
0.04322	-0.04561	0.32531	0.076447	0.09894	0.053122	0.25192	0.084358	0.06855
0.0223	-0.0451	0.3308	0.08304	0.073	0.032106	0.48886	0.103024	0.02599
3.82E-12	-0.38217	1.09E-17	-0.04225	0.36235	-0.135	0.00347	-0.10848	0.01903
4.81E-07	-0.31339	4.22E-12	-0.06301	0.17402	-0.1137	0.01395	-0.00785	0.8657
6.66E-05	-0.296	6.75E-11	0.003874	0.93347	-0.04357	0.34748	0.020891	0.65249
7.39E-14	-0.40523	6.97E-20	0.016295	0.72542	-0.02342	0.61361	0.017745	0.70212
0.99838	0.056962	0.2192	-0.03401	0.46339	0.003155	0.94578	0.003338	0.94264
1.77E-09	-0.28067	6.67E-10	-0.0652	0.15954	-0.0069	0.88179	-0.15807	0.00061
9.10E-07	-0.2252	8.80E-07	-0.1166	0.01168	-0.03423	0.46052	-0.0989	0.03261
2.30E-09	-0.35913	1.16E-15	-0.08928	0.05384	-0.00659	0.88701	-0.09866	0.03305
0.27617	-0.02414	0.60282	0.079712	0.0853	0.067314	0.14639	-0.00889	0.84807
1.92E-11	-0.35336	3.51E-15	-0.08725	0.05955	-0.02193	0.63645	-0.12683	0.00606
1.26E-12	-0.46614	1.44E-26	-0.11128	0.01614	-0.04967	0.2841	-0.11585	0.01223
3.36E-12	-0.24865	5.19E-08	-0.07895	0.08835	0.005351	0.90818	-0.06755	0.14495
1.64E-16	-0.49146	9.10E-30	-0.09891	0.03259	-0.07633	0.09944	-0.03915	0.39863
0.00068	-0.17058	0.00021	-0.06628	0.15268	-0.01929	0.67754	0.005565	0.90452
2.35E-15	-0.53574	4.77E-36	-0.11282	0.01471	-0.08997	0.052	-0.08875	0.05531
4.76E-19	-0.49259	6.45E-30	-0.0028	0.95193	0.009137	0.84389	-0.07216	0.11941
2.79E-18	-0.43493	5.66E-23	-0.11963	0.00967	-0.05443	0.24043	-0.05688	0.21984
0.0005	-0.17714	0.00012	-0.00383	0.93424	-0.00698	0.88037	-0.03776	0.41561
6.31E-09	-0.34066	3.74E-14	-0.03044	0.51169	-0.0019	0.96735	-0.05538	0.23227
0.81098	-0.03275	0.48018	-0.0758	0.10182	-0.00487	0.91635	0.029544	0.52421
0.00086	-0.15045	0.00111	0.089152	0.0542	0.105709	0.02233	0.044468	0.33762
3.52E-07	-0.33923	4.85E-14	-0.15985	0.00053	-0.05463	0.23868	-0.17003	0.00022
1.00E-08	-0.33664	7.74E-14	-0.06655	0.15105	-0.09073	0.05005	-0.05763	0.21385
1.41E-11	-0.36173	6.97E-16	0.020577	0.65738	-0.06875	0.13793	-0.18193	7.68E-05
4.61E-13	-0.35674	1.84E-15	-0.09953	0.03153	-0.02741	0.55462	-0.16243	0.00042
1.77E-06	-0.29231	1.19E-10	-0.07618	0.10014	-0.02321	0.61694	-0.08604	0.06319
2.85E-18	-0.45306	5.13E-25	-0.08445	0.06824	-0.00018	0.99687	-0.13005	0.00488
0.63009	-0.1117	0.01574	-0.03471	0.45426	-0.04999	0.28097	0.028313	0.54164
0.00055	-0.14447	0.00175	0.030083	0.51665	-0.00628	0.8923	-0.02981	0.52048
1.84E-11	-0.34174	3.07E-14	-0.0573	0.21649	-0.01726	0.70995	-0.06131	0.18598
2.18E-17	-0.5028	2.73E-31	-0.08191	0.077	-0.08212	0.07626	-0.10677	0.02102
0.00294	-0.12989	0.00493	0.109763	0.01765	0.012662	0.78492	0.032362	0.48539
0.00039	-0.18591	5.30E-05	-0.08088	0.08082	0.037101	0.42378	0.060935	0.18867
3.84E-11	-0.37323	6.98E-17	-0.00291	0.95007	-0.04858	0.2948	-0.0704	0.12871
0.00564	-0.18425	6.19E-05	-0.08576	0.06408	-0.0173	0.7092	-0.04407	0.34192
1.40E-08	-0.29437	8.66E-11	-0.00166	0.9715	-0.02769	0.55053	-0.14721	0.00142
6.01E-28	-0.59004	3.85E-45	-0.12375	0.00742	-0.06299	0.17414	-0.16663	0.0003
1.42E-05	-0.25267	3.10E-08	0.048987	0.29078	0.019942	0.66732	-0.06552	0.15747
3.32E-30	-0.56285	2.23E-40	-0.05492	0.23622	-0.06069	0.19047	-0.14085	0.00228
4.12E-17	-0.37645	3.60E-17	-0.06258	0.177	-0.00948	0.83817	-0.16248	0.00042

7.58E-29	-0.4917	8.45E-30	-0.06546	0.15787	-0.03837	0.40813	-0.09013	0.05161
1.24E-15	-0.42135	1.60E-21	-0.07571	0.10226	-0.00094	0.98387	-0.12463	0.00701
2.92E-16	-0.44828	1.82E-24	-0.1233	0.00764	-0.07005	0.13062	-0.17363	0.00016
0.00018	-0.23046	4.78E-07	-0.07992	0.0845	-0.00396	0.93203	-0.07465	0.10714
9.75E-18	-0.38886	2.63E-18	-0.08207	0.07643	-0.03593	0.43859	-0.08731	0.05937
1.69E-07	-0.27148	2.47E-09	-0.00841	0.85624	-0.00486	0.91656	0.001264	0.97827
3.37E-16	0.4771	6.40E-28	-0.0165	0.72208	0.040774	0.37933	0.037117	0.42358
1.06E-06	-0.28525	3.42E-10	-0.09675	0.03662	-0.10784	0.01976	-0.0285	0.53893
7.13E-15	-0.36484	3.78E-16	-0.07916	0.08748	-0.02736	0.55528	-0.05472	0.23793
5.34E-08	-0.28985	1.72E-10	0.00235	0.95961	-0.03584	0.4397	0.046462	0.31639
0.04052	-0.18406	6.30E-05	-0.11138	0.01604	-0.02738	0.55503	-0.04578	0.32354
5.00E-10	-0.31174	5.54E-12	-0.03968	0.3922	-0.02917	0.52946	0.062247	0.17932
0.00216	-0.20973	4.85E-06	-0.03232	0.48596	-0.03498	0.4508	-0.09817	0.03393
1.25E-32	-0.5432	3.35E-37	-0.02387	0.60695	-0.05257	0.25691	-0.01699	0.71425
8.41E-19	-0.45885	1.08E-25	-0.04808	0.29983	-0.03259	0.48237	-0.09565	0.0388
0.05231	-0.18818	4.27E-05	0.015727	0.73464	-0.00699	0.88024	-0.04037	0.38412
0.01427	-0.16838	0.00026	-0.08445	0.06826	-0.04981	0.28275	0.011168	0.80978
8.59E-14	-0.35646	1.94E-15	-0.10844	0.01908	-0.05142	0.26748	0.065957	0.15472
6.64E-13	-0.39621	5.28E-19	-0.03501	0.45033	-0.10807	0.01949	-0.00544	0.90664
8.01E-09	-0.312	5.31E-12	-0.06072	0.19028	0.000421	0.99275	-0.09444	0.04135
3.41E-11	-0.34782	1.00E-14	0.035933	0.43853	-0.03407	0.46265	-0.10414	0.02441
0.32651	0.044056	0.34213	0.017922	0.69928	0.008232	0.85919	0.063987	0.16744
8.04E-17	-0.40725	4.39E-20	-0.08838	0.05633	-0.06849	0.13945	-0.08054	0.08209
5.66E-19	-0.4248	6.94E-22	-0.12697	0.006	-0.03127	0.5002	-0.08202	0.07661
5.58E-10	-0.37048	1.22E-16	-0.10487	0.02343	-0.0683	0.14052	-0.11609	0.01205
6.95E-09	-0.26231	8.70E-09	-0.13024	0.00482	-0.05056	0.27558	-0.21122	4.14E-06
2.46E-10	-0.39852	3.16E-19	-0.11052	0.01689	-0.11595	0.01216	-0.03284	0.47903
0.04165	-0.14365	0.00186	-0.08134	0.07911	0.020776	0.65428	0.044077	0.3419
4.54E-13	-0.32396	7.16E-13	-0.04755	0.30517	-0.00667	0.88568	-0.07267	0.1168
1.32E-15	-0.43321	8.72E-23	-0.06733	0.14628	-0.04542	0.32735	0.014071	0.76168
3.47E-10	-0.29562	7.15E-11	-0.06506	0.1604	-0.01129	0.80768	-0.04628	0.31828
0.26278	-0.01449	0.75478	-0.00367	0.93692	0.064825	0.16194	0.032275	0.48656
2.05E-27	-0.52223	4.93E-34	-0.09573	0.03865	-0.09552	0.03908	-0.1659	0.00032
0.00651	-0.21305	3.40E-06	-0.04612	0.31997	-0.0007	0.98789	0.058848	0.2043
9.02E-18	-0.46498	1.99E-26	-0.11279	0.01474	-0.06913	0.13577	-0.13479	0.00352
0.00046	-0.14508	0.00167	-0.0605	0.19185	-0.01553	0.73788	0.129006	0.00524
5.35E-17	-0.36633	2.80E-16	0.031405	0.4984	-0.05386	0.24533	-0.10902	0.01844
7.13E-08	-0.33801	6.05E-14	-0.05641	0.22367	-0.05391	0.24496	0.085036	0.06635
4.34E-09	-0.28605	3.03E-10	-0.03794	0.41341	-0.00332	0.94304	-0.02741	0.55455
2.04E-08	-0.29358	9.77E-11	-0.07705	0.09629	-0.05391	0.24496	-0.04043	0.38337
0.29207	-0.04858	0.29485	0.023023	0.61971	-0.01118	0.80959	-0.02205	0.63455
5.18E-09	-0.37763	2.82E-17	-0.01857	0.6889	-0.02591	0.57647	-0.06108	0.18761
2.74E-06	-0.25637	1.91E-08	-0.03962	0.39298	-0.07403	0.11009	-0.07694	0.09678
4.34E-08	-0.28544	3.32E-10	-0.02972	0.52173	-0.028	0.54612	-0.12988	0.00494
1.89E-11	-0.34915	7.80E-15	0.000728	0.98749	-0.03691	0.42623	-0.10924	0.0182



1.07E-09	-0.38085	1.44E-17	-0.05343	0.24918	-0.10327	0.02564	-0.09288	0.04485
0.92719	0.043664	0.34644	0.069777	0.13215	0.06041	0.19252	0.059209	0.20153
3.23E-24	-0.46254	3.92E-26	-0.09066	0.05024	-0.00708	0.87878	-0.16259	0.00042
4.53E-10	-0.36268	5.78E-16	-0.10247	0.02681	-0.06073	0.19016	-0.14624	0.00153
7.71E-10	-0.30545	1.53E-11	-0.08718	0.05976	0.005129	0.91198	-0.05355	0.24812
0.00313	-0.21304	3.40E-06	0.00723	0.87618	-0.02656	0.56698	-0.07745	0.09456
3.90E-15	-0.45483	3.19E-25	-0.06978	0.13213	-0.11714	0.0113	-0.06151	0.18456
1.76E-10	-0.27792	9.92E-10	-0.0256	0.58111	-0.03297	0.47725	-0.05646	0.22328
6.15E-22	-0.43816	2.50E-23	0.000925	0.9841	-0.03316	0.47466	-0.06365	0.1697
0.00376	-0.1707	0.00021	0.052986	0.25313	-0.01203	0.79549	0.112419	0.01507
4.17E-07	-0.27298	2.00E-09	-0.11536	0.01261	-0.03662	0.42985	-0.12631	0.00627
2.74E-07	-0.29307	1.06E-10	-0.15555	0.00074	-0.03398	0.46378	-0.09801	0.03421
1.74E-15	-0.4829	1.18E-28	0.003217	0.94473	-0.11088	0.01653	0.018844	0.68462
0.00388	-0.16766	0.00027	-0.04741	0.30663	-0.03616	0.43569	-0.12861	0.00538
1.82E-06	-0.19592	2.01E-05	-0.01389	0.76468	-0.06233	0.17877	-0.06632	0.15246
3.79E-24	-0.51799	2.02E-33	-0.14235	0.00205	-0.07814	0.09166	-0.16434	0.00036
6.66E-08	-0.27226	2.21E-09	-0.00589	0.899	0.005123	0.91209	0.033818	0.46596
7.28E-08	-0.30404	1.92E-11	0.003637	0.93752	-0.0159	0.73175	-0.17826	0.00011
4.36E-09	-0.30129	2.96E-11	-0.05437	0.24092	-0.02997	0.51826	-0.11109	0.01632
0.08613	-0.02788	0.5478	-0.03087	0.50573	-0.00743	0.87285	-0.15569	0.00074
1.49E-07	-0.21903	1.76E-06	-0.0134	0.77277	-0.06601	0.15435	-0.1255	0.00662
2.86E-05	-0.18123	8.20E-05	-0.09154	0.04804	-0.05738	0.21581	-0.08617	0.06279
7.39E-20	-0.44765	2.15E-24	-0.10755	0.02009	-0.08492	0.06673	-0.08577	0.06404
0.02266	0.139311	0.00255	0.039599	0.39323	0.110561	0.01684	0.01146	0.80491
1.35E-06	0.184324	6.15E-05	0.057736	0.21299	0.012641	0.78528	0.11139	0.01603
3.59E-14	0.301942	2.67E-11	0.072489	0.11773	0.028154	0.54392	0.05742	0.21551
6.76E-07	-0.24727	6.18E-08	-0.0673	0.14645	-0.05985	0.19667	-0.09464	0.04093
1.18E-15	0.335803	8.99E-14	0.037121	0.42353	0.096818	0.03648	0.045814	0.3232
9.81E-10	0.188532	4.13E-05	0.10312	0.02585	-0.00244	0.95807	0.100357	0.03013
6.33E-05	0.104872	0.02342	0.109577	0.01785	-0.02274	0.62394	0.095155	0.03983
4.64E-06	0.06687	0.14907	-0.00859	0.85316	-0.06991	0.13139	0.048905	0.29159
2.15E-15	0.242818	1.08E-07	0.024637	0.59537	-0.00507	0.91305	-0.06236	0.17854
3.36E-19	-0.43521	5.28E-23	-0.07896	0.08831	-0.05395	0.24455	-0.16869	0.00025
8.43E-28	0.457971	1.37E-25	-0.06122	0.18659	0.110055	0.01735	0.107597	0.02003
3.23E-25	0.375168	4.69E-17	0.056125	0.22606	0.093543	0.04333	0.101866	0.02772
9.43E-06	0.21929	1.71E-06	-0.07472	0.1068	-0.03202	0.49003	-0.11275	0.01478
2.33E-53	0.660532	7.33E-60	0.085873	0.06371	0.09802	0.0342	0.16748	0.00028
2.18E-06	0.067167	0.14727	0.048765	0.29297	0.000606	0.98959	-0.11431	0.01345
6.43E-71	0.704349	3.26E-71	0.041442	0.37156	0.088735	0.05534	0.130909	0.0046
3.71E-15	0.267868	4.08E-09	0.065191	0.15957	-0.02553	0.58216	-0.02466	0.59499
2.10E-14	0.377212	3.07E-17	0.095429	0.03926	0.102588	0.02663	0.021442	0.64396
0.01115	0.043038	0.35341	0.062126	0.18017	0.002178	0.96257	-0.051	0.27139
2.45E-06	0.110145	0.01726	-0.04572	0.32415	-0.01981	0.66941	-0.02038	0.66041
8.36E-13	0.298061	4.90E-11	0.002166	0.96277	0.111001	0.01641	0.013323	0.77399
1.79E-13	0.275026	1.50E-09	-0.00241	0.9585	0.062677	0.17632	-0.11388	0.0138

1.04E-07	0.195144	2.17E-05	0.027082	0.55937	0.007515	0.87133	-0.06435	0.16506
5.55E-22	0.360871	8.25E-16	0.056365	0.22407	0.036135	0.43595	0.11218	0.01529
1.21E-34	0.324233	6.82E-13	0.025525	0.58218	0.027493	0.55342	0.045532	0.32619
9.19E-15	0.381234	1.33E-17	0.196578	1.88E-05	0.037596	0.41761	0.153732	0.00086
9.02E-20	0.447403	2.29E-24	0.170028	0.00022	0.187525	4.55E-05	0.247873	5.73E-08
1.08E-55	0.655479	1.13E-58	0.145951	0.00156	0.099071	0.03232	0.110365	0.01704
1.01E-11	0.391171	1.59E-18	0.068892	0.13713	0.040365	0.38413	-0.07433	0.10866
5.26E-31	0.496882	1.73E-30	0.020712	0.65527	0.13021	0.00483	0.121158	0.00877
7.31E-24	0.433216	8.70E-23	0.034292	0.45973	0.109414	0.01802	0.168252	0.00026
5.70E-37	0.586664	1.59E-44	0.034954	0.45111	0.12072	0.00902	0.049824	0.2826
9.43E-40	0.474011	1.56E-27	0.007803	0.86645	0.08594	0.06351	-0.00505	0.91337
2.94E-09	0.204379	8.51E-06	-0.05082	0.2731	-0.09079	0.04989	-0.07276	0.11635
1.11E-57	0.749436	2.60E-85	0.117748	0.01088	0.149215	0.00122	0.138578	0.00269
4.29E-05	0.073594	0.11222	-0.00342	0.9413	0.035964	0.43812	-0.10365	0.0251
2.39E-12	0.209468	4.99E-06	0.058956	0.20346	0.022543	0.62702	-0.07184	0.12108
2.23E-27	0.414472	8.21E-21	0.103637	0.02511	0.111642	0.01579	0.140888	0.00228
2.98E-15	0.250735	3.98E-08	0.050303	0.27799	0.016927	0.71524	0.048905	0.29159
8.00E-17	0.237543	2.06E-07	0.028305	0.54176	-0.02084	0.65326	0.092127	0.04661
0.02733	-0.02181	0.63822	0.14817	0.00132	0.016044	0.72949	0.118655	0.01028
2.79E-26	0.398571	3.12E-19	0.049292	0.28779	0.066963	0.14851	0.147126	0.00143
5.53E-38	0.609323	8.39E-49	0.128192	0.00553	0.125647	0.00655	0.094418	0.0414
1.72E-23	0.527822	7.41E-35	0.074162	0.10947	0.066104	0.15379	0.108015	0.01955
1.10E-08	0.180153	9.05E-05	0.061055	0.1878	0.005892	0.89896	0.090199	0.05142
2.77E-09	0.185661	5.42E-05	0.025371	0.58446	0.024606	0.59584	0.011233	0.8087
8.39E-11	0.119502	0.00974	-0.02898	0.53216	-0.04289	0.35512	-0.08207	0.07642
2.24E-05	0.074035	0.11008	0.095379	0.03937	-0.03824	0.40969	0.072089	0.11978
2.20E-07	-0.05517	0.23407	0.100962	0.02914	-0.00849	0.85478	0.021631	0.64103
3.83E-23	0.446907	2.61E-24	-0.04159	0.36986	0.022784	0.62335	-0.03718	0.42274
7.50E-22	-0.37615	3.83E-17	-0.04333	0.35013	0.025747	0.5789	-0.00547	0.90619
8.77E-38	0.598406	1.06E-46	0.078479	0.09026	0.141631	0.00216	0.12514	0.00678
7.75E-12	0.32799	3.57E-13	0.015536	0.73773	0.072114	0.11965	0.167102	0.00029
2.15E-37	0.5355	5.18E-36	0.119749	0.00959	0.11938	0.00982	0.193893	2.45E-05
0.00074	0.239655	1.59E-07	0.061989	0.18113	0.168628	0.00025	-0.04023	0.38576
1.09E-06	0.17893	0.0001	-0.01144	0.80525	0.042346	0.36121	-0.09372	0.04292
1.26E-11	0.250821	3.93E-08	-0.01377	0.76657	0.075881	0.10147	0.000668	0.98851
1.49E-31	0.455147	2.93E-25	0.18631	5.10E-05	0.092956	0.04467	0.150445	0.00111
2.04E-06	0.042078	0.36426	-0.03266	0.48132	-0.04111	0.37536	-0.12211	0.00825
0.08883	0.0091	0.8445	0.034206	0.46086	-0.07092	0.12589	-0.06956	0.13335
2.15E-21	0.116268	0.01192	-0.03941	0.39555	0.004109	0.92943	0.025246	0.58631
5.25E-53	0.654038	2.44E-58	0.067283	0.14657	0.103641	0.02511	0.147819	0.00136
0.00125	0.104063	0.02452	-0.01803	0.69762	-0.01153	0.80369	-0.04182	0.3672
4.19E-45	0.615944	4.05E-50	0.092037	0.04683	0.082666	0.07431	0.113671	0.01398
1.85E-15	0.302686	2.37E-11	-0.03199	0.4904	0.041513	0.37074	0.104132	0.02442
1.85E-07	0.197107	1.78E-05	-0.06596	0.15472	0.095137	0.03987	-0.07891	0.0885
2.15E-48	0.606475	3.02E-48	-0.0008	0.98628	0.061441	0.18502	0.094603	0.041

3.04E-15	0.32283	8.67E-13	0.003752	0.93554	0.046989	0.31093	0.14001	0.00243
9.83E-14	0.327159	4.12E-13	-0.02128	0.64653	0.013673	0.76822	0.012047	0.79514
1.13E-09	0.128449	0.00544	-0.13821	0.00276	0.02174	0.63935	0.010162	0.82663
6.22E-25	0.429512	2.18E-22	0.033301	0.47282	0.074392	0.10837	0.261361	9.87E-09
1.03E-13	-0.4135	1.03E-20	-0.13972	0.00248	-0.13394	0.00373	-0.25165	3.54E-08
3.74E-13	0.368823	1.70E-16	0.11581	0.01227	0.093454	0.04353	0.004602	0.921
9.92E-14	0.372914	7.44E-17	0.003629	0.93766	0.061763	0.18272	-0.04678	0.31314
5.92E-16	0.341888	2.99E-14	0.071745	0.12156	0.031561	0.49627	0.075662	0.10246
0.04522	-0.07793	0.09253	-0.00845	0.85546	-0.03102	0.5037	0.035663	0.44198
5.19E-10	0.250997	3.85E-08	0.000117	0.99799	-0.00241	0.95863	0.131255	0.0045
3.25E-20	0.414684	7.81E-21	0.062034	0.18081	0.124799	0.00693	0.063925	0.16785
4.67E-23	0.325642	5.36E-13	-0.04861	0.2945	-0.0737	0.11169	0.110476	0.01693
3.10E-05	0.226903	7.23E-07	-0.00768	0.86846	0.032439	0.48435	0.055791	0.22884
6.85E-27	0.411715	1.56E-20	0.027418	0.55451	0.033356	0.47208	-0.00202	0.96519
2.50E-10	0.203743	9.09E-06	-0.01222	0.79231	0.031679	0.49466	-0.07017	0.13
3.29E-20	0.42302	1.07E-21	0.072038	0.12004	0.054584	0.23908	-0.09294	0.0447
6.88E-10	0.254911	2.32E-08	-0.1296	0.00503	-0.05117	0.26977	0.110959	0.01645
1.08E-23	0.402992	1.16E-19	-0.00946	0.8384	0.008295	0.85811	0.019914	0.66776
1.09E-09	0.281762	5.70E-10	0.091588	0.04792	0.046793	0.31295	-0.09743	0.03531
1.28E-06	0.107679	0.01994	-0.03114	0.50209	-0.04688	0.3121	-0.20076	1.23E-05
1.01E-10	0.165045	0.00034	-0.06832	0.14045	0.039934	0.38923	0.021621	0.64119
1.59E-13	0.267625	4.22E-09	-0.03521	0.4478	0.039936	0.38921	0.018345	0.69255
0.00025	0.229303	5.47E-07	-0.0034	0.94162	0.086212	0.06267	-0.02935	0.52697
1.45E-12	0.149772	0.00117	0.033607	0.46875	-0.02801	0.54601	0.101238	0.0287
3.77E-50	0.664594	7.83E-61	0.090776	0.04994	0.08614	0.06289	0.086515	0.06175
3.36E-32	0.452513	5.94E-25	0.008312	0.85783	0.061081	0.18762	0.184302	6.16E-05
2.36E-17	0.350805	5.71E-15	0.099075	0.03231	-0.01037	0.8232	0.056203	0.22542
1.06E-12	0.31073	6.53E-12	-0.07966	0.08551	0.004151	0.92871	0.101654	0.02805
1.65E-17	0.40114	1.76E-19	0.051384	0.26779	0.063329	0.17186	0.101107	0.02891
2.29E-42	0.525323	1.74E-34	-0.02018	0.66358	0.106343	0.02154	0.083357	0.07191
0.01339	0.161038	0.00048	0.07232	0.11859	0.073163	0.11435	-0.1434	0.00189
3.25E-09	0.110483	0.01692	-0.11759	0.01099	0.020499	0.6586	-0.02544	0.5835
6.81E-13	0.188869	4.00E-05	-0.05844	0.20744	0.009727	0.83395	0.036334	0.43343
1.45E-24	0.35766	1.54E-15	-0.06641	0.15192	0.019421	0.67551	0.08453	0.06799
3.01E-12	0.372415	8.23E-17	0.099358	0.03182	0.089346	0.05367	0.049914	0.28173
4.51E-06	0.061631	0.18366	-0.01009	0.82785	0.069108	0.1359	0.022339	0.63015
8.95E-06	0.095853	0.03839	-0.04605	0.32073	-0.01408	0.76154	0.085298	0.06552
1.41E-39	0.507262	6.64E-32	0.078738	0.0892	0.025171	0.58742	0.105055	0.02318
3.30E-11	0.295346	7.46E-11	-0.10626	0.02164	0.08392	0.07001	-0.06823	0.14096
3.35E-10	0.299166	4.13E-11	-0.03241	0.4847	0.053846	0.2455	-0.13254	0.00412
8.83E-18	0.372198	8.61E-17	0.049153	0.28914	0.087168	0.0598	-0.01017	0.82655
5.58E-08	0.171726	0.00019	-0.13757	0.00289	0.003817	0.93444	0.049038	0.29028
1.84E-16	0.468656	7.12E-27	0.118849	0.01015	0.123995	0.0073	0.161668	0.00045
9.08E-47	0.565914	6.81E-41	0.010546	0.8202	0.032929	0.47778	0.030507	0.51076
1.25E-27	0.491214	9.80E-30	0.041465	0.3713	0.052519	0.25735	0.138768	0.00265

1.14E-13	0.33473	1.09E-13	0.029473	0.5252	0.096721	0.03667	0.070259	0.12949
9.10E-46	0.579458	3.10E-43	0.097818	0.03458	0.114208	0.01353	0.085996	0.06333
2.60E-46	0.567989	3.03E-41	0.028335	0.54133	0.079084	0.0878	0.019418	0.67555
9.61E-25	0.429369	2.26E-22	0.007263	0.87561	0.078403	0.09058	-0.03398	0.46378
1.46E-47	0.62712	2.06E-52	0.093186	0.04414	0.075605	0.10272	0.096936	0.03625
1.68E-08	0.248311	5.42E-08	0.095388	0.03935	0.052083	0.26132	-0.02836	0.54097
5.47E-39	0.306206	1.36E-11	0.031746	0.49374	0.003127	0.94627	0.184823	5.87E-05
2.03E-22	0.381578	1.24E-17	0.004611	0.92084	0.056969	0.21914	0.021745	0.63928
1.33E-25	0.399722	2.42E-19	-0.02795	0.54677	0.067625	0.14453	0.141027	0.00225
4.96E-18	0.374906	4.95E-17	0.062823	0.17531	0.029307	0.52754	0.09695	0.03622
1.64E-11	0.191462	3.11E-05	0.018108	0.69632	0.042871	0.35528	0.116051	0.01209
2.36E-13	0.287768	2.35E-10	0.064274	0.16554	0.017853	0.70039	-0.02487	0.59183
9.83E-16	0.31082	6.43E-12	0.102671	0.02651	0.066008	0.1544	0.204111	8.75E-06
1.56E-05	0.227284	6.92E-07	0.077952	0.09245	0.036597	0.43011	0.065238	0.15927
3.97E-15	0.30583	1.44E-11	0.048555	0.29506	0.054497	0.23983	-0.02378	0.60826
4.56E-08	0.301901	2.69E-11	0.078432	0.09045	0.095832	0.03844	-0.05789	0.21175
1.39E-23	0.447442	2.27E-24	0.028684	0.53636	0.113475	0.01414	0.226667	7.43E-07
0.00197	0.094211	0.04185	-0.01052	0.82065	-0.02677	0.56395	-0.01357	0.76996
4.09E-20	0.476324	8.01E-28	-0.05762	0.21392	0.124093	0.00726	0.054642	0.23859
8.69E-34	0.5183	1.83E-33	-0.00022	0.99614	0.081495	0.07852	0.094277	0.04171
5.39E-22	0.334209	1.20E-13	0.044612	0.33607	0.066876	0.14903	0.066533	0.15114
9.36E-24	0.431592	1.30E-22	0.112555	0.01495	0.111837	0.01561	0.144799	0.00171
9.06E-38	0.537367	2.68E-36	0.049004	0.29061	0.074417	0.10825	0.112363	0.01512
5.59E-45	0.616136	3.71E-50	-0.00204	0.96492	0.097733	0.03473	0.027908	0.54744
8.58E-31	0.495345	2.78E-30	-0.01473	0.75091	0.062288	0.17903	0.015326	0.74115
1.07E-18	0.397868	3.65E-19	0.17491	0.00015	0.113675	0.01397	0.220059	1.57E-06
2.26E-09	0.202715	1.01E-05	0.021052	0.65	0.010315	0.82406	0.078703	0.08935
1.11E-12	-0.33133	1.99E-13	-0.12379	0.0074	-0.19423	2.37E-05	-0.05606	0.22662
2.37E-32	0.49151	8.96E-30	-0.05487	0.23664	0.030627	0.5091	0.042196	0.36292
4.88E-42	0.626928	2.26E-52	0.084853	0.06694	0.134706	0.00354	0.094318	0.04162
0.00376	0.145541	0.00161	-0.07296	0.11536	0.001751	0.96989	-0.08152	0.07843
3.38E-18	0.380103	1.68E-17	-0.00557	0.9044	0.022202	0.63225	0.060747	0.19005
1.31E-14	-0.30352	2.08E-11	-0.08783	0.05788	-0.05747	0.21508	-0.11272	0.01481
1.14E-18	0.387942	3.20E-18	0.068917	0.13699	0.022515	0.62746	-0.01029	0.82445
1.40E-13	-0.26837	3.81E-09	-0.08439	0.06844	0.023991	0.60506	-0.06312	0.17329
1.78E-45	0.458929	1.05E-25	0.039849	0.39024	0.001111	0.9809	0.24591	7.33E-08
1.83E-43	0.55745	1.75E-39	0.046117	0.32	0.061345	0.18571	-0.0045	0.92272
2.47E-36	0.540646	8.38E-37	0.149243	0.00122	0.093258	0.04398	0.141685	0.00215
2.02E-22	0.302462	2.46E-11	-0.05554	0.23091	0.045115	0.33064	0.015605	0.73662
7.95E-06	0.084521	0.06802	-0.0071	0.87834	-0.00089	0.98464	-0.01383	0.7656
2.17E-33	0.426772	4.29E-22	0.05482	0.23705	0.027213	0.55747	0.043991	0.34284
2.70E-23	0.388605	2.77E-18	0.012391	0.78941	0.003933	0.93245	0.062683	0.17628
2.06E-39	0.533368	1.09E-35	0.044389	0.33849	0.030685	0.5083	0.082494	0.07492
2.79E-30	0.376155	3.82E-17	-0.06929	0.13485	-0.0277	0.55044	0.075606	0.10272
6.43E-05	0.179864	9.29E-05	0.022796	0.62317	0.074565	0.10755	0.10018	0.03042

1.13E-05	0.147528	0.00139	0.067086	0.14776	0.012549	0.78679	-0.02943	0.52575
1.16E-42	0.566683	5.05E-41	0.021506	0.64296	0.040801	0.37901	0.122393	0.0081
6.24E-11	0.225353	8.64E-07	0.102189	0.02723	0.081594	0.07816	0.114134	0.01359
2.57E-20	0.354049	3.08E-15	0.041062	0.37597	0.07593	0.10125	0.132534	0.00412
1.22E-40	0.623374	1.24E-51	0.067154	0.14735	0.108904	0.01857	0.141235	0.00222
5.56E-12	0.305679	1.48E-11	-0.02933	0.52724	0.040606	0.3813	0.06418	0.16616
2.34E-06	0.131004	0.00457	0.0825	0.07489	-0.04906	0.29008	-0.04685	0.31241
1.94E-25	0.431543	1.32E-22	0.08755	0.05869	0.168814	0.00025	0.056644	0.22179
1.90E-08	0.265548	5.61E-09	0.022417	0.62896	0.000979	0.98317	-0.00939	0.8397
1.42E-51	0.59636	2.58E-46	0.046967	0.31116	0.094123	0.04204	0.13875	0.00266
1.77E-25	0.405637	6.35E-20	0.065806	0.15567	0.01664	0.71985	0.088324	0.05648
6.04E-08	-0.11357	0.01407	-0.05822	0.20918	-0.00225	0.9614	-0.13946	0.00252
7.87E-08	0.135352	0.00338	0.091062	0.04922	0.034916	0.4516	-0.06818	0.14125
1.97E-05	0.096753	0.0366	0.006528	0.88811	0.054182	0.24256	0.019743	0.67044
4.78E-22	0.413316	1.08E-20	0.033702	0.46749	0.089507	0.05324	0.041578	0.37
5.68E-16	0.292569	1.14E-10	0.075025	0.10539	-0.00093	0.98401	0.061639	0.18361
9.76E-10	0.203027	9.79E-06	0.09937	0.0318	0.093129	0.04427	-0.09508	0.04
0.00014	0.064366	0.16493	-0.02165	0.64069	0.008808	0.84943	-0.0137	0.76771
2.52E-05	0.13328	0.00391	-0.08555	0.06474	-0.07311	0.11461	-0.13752	0.0029
1.75E-19	0.428451	2.84E-22	0.078861	0.0887	0.076608	0.09823	-0.00077	0.98681
7.46E-45	0.617288	2.17E-50	0.027383	0.55501	0.114189	0.01354	0.050239	0.27861
1.58E-13	0.353002	3.76E-15	0.117295	0.01119	0.047114	0.30964	0.13859	0.00269
6.87E-37	0.599706	6.04E-47	0.049137	0.28931	0.105285	0.02288	0.210076	4.68E-06
1.65E-20	0.398049	3.51E-19	0.060421	0.19244	0.045254	0.32915	0.002733	0.95303
2.73E-45	0.590574	3.07E-45	0.113549	0.01408	0.108839	0.01864	0.11569	0.01236
0.02947	0.01301	0.77917	0.028147	0.54402	0.038719	0.40384	-0.00442	0.92406
7.87E-18	0.365617	3.23E-16	0.016141	0.72792	0.058645	0.20587	0.055082	0.23482
1.14E-17	0.404508	8.21E-20	0.042087	0.36416	0.021848	0.63769	-0.0175	0.7061
3.12E-07	0.080121	0.08371	-0.06465	0.1631	-0.0154	0.74	-0.08324	0.07231
2.98E-16	0.455147	2.93E-25	0.022747	0.62391	0.032714	0.48065	0.00581	0.90036
3.21E-25	0.500784	5.15E-31	-0.01046	0.82168	0.053261	0.25067	0.123668	0.00746
2.55E-11	0.225533	8.46E-07	-0.02382	0.60766	-0.05483	0.23699	-0.02462	0.59565
8.86E-10	0.207742	5.99E-06	-0.06116	0.18706	0.097597	0.03499	-0.01315	0.77691
1.02E-07	0.184489	6.06E-05	-0.00686	0.88254	0.014475	0.75505	0.094963	0.04024
3.55E-19	0.433812	7.49E-23	0.077295	0.09524	0.143136	0.00193	0.084344	0.0686
0.00113	-0.03672	0.42851	0.001148	0.98027	0.030914	0.50514	-0.00531	0.90893
4.08E-17	-0.41662	4.95E-21	-0.08329	0.07213	-0.0933	0.04388	-0.29022	1.63E-10
2.48E-16	0.286186	2.97E-10	0.047792	0.30272	0.002665	0.95419	0.001754	0.96985
0.00012	-0.18973	3.68E-05	0.00112	0.98074	-0.03629	0.43399	-0.04438	0.33862
1.21E-17	0.363882	4.56E-16	0.001373	0.97639	0.062041	0.18076	0.009668	0.83494
8.70E-13	-0.32183	1.03E-12	-0.1739	0.00016	-0.09832	0.03365	-0.07751	0.09433
1.45E-42	0.46474	2.13E-26	0.101345	0.02853	0.091388	0.04841	0.237467	2.08E-07
7.16E-08	0.123165	0.00771	-0.09735	0.03545	-0.0501	0.27996	0.043245	0.3511
6.07E-12	0.1197	0.00962	-0.0276	0.55187	-0.00435	0.92525	0.100812	0.02939
1.15E-19	0.340158	4.10E-14	-0.04857	0.29493	-0.08925	0.05394	-0.01892	0.68345

2.16E-12	0.430344	1.78E-22	0.092385	0.046	0.083276	0.07219	-0.05854	0.20665
9.76E-12	0.171938	0.00019	-0.07066	0.12733	-0.04451	0.33719	0.032412	0.48472
1.02E-09	0.28991	1.70E-10	-0.03093	0.50488	0.04733	0.30742	-0.03146	0.49759
3.94E-19	0.346352	1.31E-14	-0.00348	0.94019	0.038023	0.41235	0.076161	0.10021
4.41E-17	0.289694	1.76E-10	0.08555	0.06472	0.075516	0.10313	0.131163	0.00452
5.57E-19	0.267476	4.30E-09	0.02265	0.62539	-0.03215	0.48828	0.130929	0.0046
4.77E-11	0.19926	1.44E-05	-0.01261	0.78571	0.012247	0.79182	0.044001	0.34273
8.65E-69	0.605924	3.87E-48	0.066823	0.14936	0.01418	0.75989	0.143801	0.00184
1.16E-30	0.416524	5.06E-21	0.022671	0.62508	0.133864	0.00375	0.145096	0.00167
7.46E-17	0.286011	3.05E-10	0.014719	0.75106	0.057205	0.21724	0.041858	0.36677
9.63E-17	0.344473	1.86E-14	-0.06534	0.15859	-0.00019	0.99671	0.045478	0.32676
1.36E-14	0.201063	1.20E-05	0.099416	0.03172	-0.02319	0.61723	0.152952	0.00091
2.95E-09	0.168096	0.00026	0.055041	0.23516	0.062313	0.17886	-0.00972	0.83406
5.42E-26	0.447137	2.46E-24	-0.03329	0.473	0.065601	0.15696	0.112961	0.01459
1.15E-26	0.514149	7.17E-33	0.074588	0.10744	0.097597	0.03499	0.048355	0.29705
3.61E-14	0.334336	1.17E-13	0.016787	0.71749	0.05771	0.2132	0.041844	0.36694
9.64E-06	0.162666	0.00042	0.062088	0.18043	0.043791	0.34504	-0.06196	0.18136
2.41E-29	0.502006	3.51E-31	-0.06403	0.16717	0.006711	0.885	-0.0741	0.10977
5.77E-12	0.279047	8.44E-10	-0.03868	0.40433	0.051569	0.26607	0.079428	0.08643
3.36E-12	0.362403	6.11E-16	-0.02667	0.56541	0.013851	0.76529	0.059741	0.1975
4.53E-06	0.308566	9.27E-12	0.017038	0.71344	0.020795	0.65399	-0.16912	0.00024
0.00051	0.161186	0.00047	0.017417	0.70735	0.010863	0.81488	0.014418	0.75598
2.13E-15	0.38502	5.97E-18	0.110356	0.01705	0.049788	0.28296	-0.08719	0.05974
3.43E-36	0.565272	8.74E-41	-0.00717	0.87718	0.02688	0.56229	0.026359	0.56991
4.64E-21	0.398539	3.15E-19	0.003069	0.94725	0.094685	0.04083	0.083398	0.07177
2.45E-14	0.345498	1.54E-14	0.014294	0.75802	0.099324	0.03188	0.081174	0.07971
4.52E-10	0.276603	1.20E-09	0.013831	0.76562	0.122803	0.00789	0.088562	0.05581
2.32E-13	0.428516	2.79E-22	0.089916	0.05216	0.100045	0.03065	-0.08524	0.0657
5.18E-06	0.144433	0.00175	-0.03633	0.43345	0.024143	0.60277	-0.10459	0.0238
2.60E-08	0.271768	2.37E-09	-0.0104	0.82272	0.092757	0.04513	0.036979	0.4253
0.0002	-0.00256	0.95596	0.016714	0.71866	-0.01613	0.72807	0.113573	0.01406
8.98E-23	0.438027	2.58E-23	-0.02933	0.52725	0.051522	0.2665	0.020733	0.65495
1.37E-30	0.60623	3.37E-48	0.089583	0.05304	0.123667	0.00746	0.21856	1.86E-06
2.57E-21	0.348065	9.55E-15	0.00683	0.88297	-0.00226	0.96119	0.140715	0.0023
4.04E-30	0.554079	6.20E-39	0.03931	0.39669	0.122423	0.00809	0.083536	0.0713
5.75E-07	0.174886	0.00015	0.066968	0.14848	0.013131	0.77717	-0.0035	0.93983
4.60E-16	0.344238	1.94E-14	0.013078	0.77805	0.094845	0.04049	-0.01695	0.71486
2.14E-10	0.128497	0.00542	0.020406	0.66006	-0.03109	0.50277	0.091361	0.04848
1.90E-67	0.693987	2.41E-68	0.174499	0.00015	0.086364	0.06221	0.043164	0.352
2.41E-27	0.509298	3.46E-32	0.084077	0.06948	0.121226	0.00873	0.042951	0.35439
4.29E-13	0.265722	5.47E-09	0.061611	0.18381	0.059711	0.19773	0.024607	0.59582
2.54E-13	0.254814	2.35E-08	0.053895	0.24507	-0.00892	0.84751	0.104194	0.02434
8.33E-10	0.159007	0.00056	0.131601	0.00439	-0.03978	0.39105	-0.02815	0.54395
2.23E-16	0.217558	2.08E-06	-0.06691	0.1488	0.038825	0.40254	-0.07716	0.09581
1.71E-11	0.204612	8.31E-06	0.024068	0.6039	0.042107	0.36393	0.093348	0.04377

1.08E-56	0.669596	4.74E-62	0.000232	0.99601	0.138299	0.00274	0.195662	2.06E-05
4.58E-44	0.64909	3.32E-57	0.023383	0.61424	0.093038	0.04448	0.104562	0.02384
1.57E-50	0.644277	4.03E-56	0.069358	0.13449	0.100051	0.03064	0.085933	0.06353
2.82E-18	0.497411	1.47E-30	0.013115	0.77742	0.09169	0.04767	0.064063	0.16693
4.19E-64	0.676553	8.77E-64	0.024692	0.59456	0.07539	0.10371	0.058297	0.20857
7.63E-09	0.157495	0.00064	0.002367	0.95932	-0.0173	0.70929	0.045963	0.32162
8.42E-37	0.480915	2.11E-28	0.062931	0.17458	0.085526	0.0648	0.138741	0.00266
1.19E-06	0.193253	2.61E-05	0.001672	0.97125	0.003084	0.947	-0.01477	0.75015
6.05E-51	0.626369	2.96E-52	0.060322	0.19317	0.071516	0.12276	0.103098	0.02589
8.37E-30	0.540416	9.09E-37	-0.01482	0.74944	0.108931	0.01854	0.02039	0.6603
1.04E-14	0.3531	3.69E-15	0.126798	0.00607	0.087084	0.06005	0.128259	0.00551
1.09E-31	0.537924	2.20E-36	0.103908	0.02473	0.103505	0.0253	0.039057	0.39974
5.20E-21	0.318226	1.89E-12	-0.00049	0.99158	0.027733	0.54996	-0.12214	0.00823
1.71E-34	0.52831	6.27E-35	0.062862	0.17505	0.070318	0.12917	0.13432	0.00364
9.39E-06	-0.11383	0.01385	-0.01029	0.82452	-0.00359	0.93828	-0.12069	0.00904
1.27E-25	0.480676	2.26E-28	0.154922	0.00078	0.105833	0.02217	0.142707	0.00199
4.79E-19	0.233421	3.37E-07	-0.03266	0.4814	0.040043	0.38793	0.004692	0.91945
2.31E-15	0.25241	3.21E-08	0.017857	0.70032	-0.00454	0.92207	-0.08557	0.06465
3.25E-29	0.482585	1.29E-28	0.010471	0.82145	0.047105	0.30973	0.055339	0.23263
1.27E-05	0.052608	0.25654	-0.02923	0.52859	0.045563	0.32586	-0.00121	0.9792
0.00052	0.115609	0.01242	0.034696	0.45446	0.087788	0.058	-0.00111	0.98084
1.75E-28	0.519078	1.41E-33	0.026812	0.56329	0.022467	0.62819	0.103716	0.025
1.02E-08	0.310799	6.45E-12	0.005952	0.89792	0.015157	0.74391	-0.13696	0.00302
2.55E-12	0.383432	8.36E-18	-0.02123	0.6473	0.054246	0.242	0.111676	0.01576
3.95E-21	0.318429	1.83E-12	-0.03756	0.41804	0.013847	0.76536	-0.01728	0.70956
2.63E-06	0.219122	1.75E-06	0.000339	0.99418	-0.01449	0.75486	-0.09523	0.03969
6.47E-05	0.167424	0.00028	-0.01075	0.81683	0.015475	0.73873	0.027582	0.55213
3.55E-13	0.380821	1.45E-17	0.002436	0.95813	0.131353	0.00446	0.152483	0.00095
1.99E-19	0.417492	4.02E-21	0.050885	0.27246	0.032194	0.48766	-0.00985	0.83191
3.23E-15	0.308598	9.23E-12	0.009791	0.83287	0.114263	0.01348	-0.00385	0.93393
2.55E-38	0.669274	5.69E-62	0.037449	0.41944	0.040184	0.38627	0.125238	0.00673
1.97E-55	0.658345	2.41E-59	0.033102	0.47547	0.10111	0.02891	0.101531	0.02824
5.18E-10	-0.21732	2.13E-06	-0.12693	0.00602	-0.00398	0.93164	-0.03661	0.42993
5.45E-07	0.196446	1.91E-05	0.042676	0.35748	0.03653	0.43095	-0.01002	0.82894
0.05804	0.069128	0.13579	-0.08413	0.06931	-0.01936	0.67646	-0.18708	4.74E-05
9.60E-10	0.386968	3.94E-18	0.036323	0.43357	0.133572	0.00383	0.049762	0.28321
4.91E-13	0.311257	5.99E-12	-0.08745	0.05898	-0.0216	0.6415	0.041534	0.3705
6.03E-53	0.638951	6.05E-55	0.048927	0.29137	0.021202	0.64767	0.217003	2.21E-06
1.10E-32	0.608788	1.07E-48	0.169096	0.00024	0.099603	0.03139	0.122534	0.00803
1.32E-16	0.078486	0.09023	0.046334	0.31772	-0.02442	0.59861	-0.0617	0.18319
1.10E-33	0.495273	2.84E-30	0.092159	0.04654	0.063174	0.17291	0.032942	0.4776
2.78E-24	0.449791	1.22E-24	0.039947	0.38908	0.03924	0.39753	-0.01158	0.80298
6.55E-69	0.671819	1.34E-62	0.074624	0.10727	0.100975	0.02912	0.1123	0.01518
1.18E-23	0.43889	2.07E-23	0.07924	0.08718	0.027304	0.55615	0.064095	0.16672
1.54E-10	0.324699	6.30E-13	-0.03333	0.47248	0.070377	0.12885	0.023739	0.60885

2.42E-15	0.369117	1.61E-16	0.023322	0.61517	0.05808	0.21027	0.02793	0.54712
3.40E-25	-0.44895	1.53E-24	-0.11887	0.01014	-0.04032	0.38462	-0.1031	0.02588
0.00457	0.194699	2.27E-05	0.020523	0.65823	0.107422	0.02024	-0.12038	0.00921
0.65869	-0.00515	0.91161	0.037293	0.42138	0.030139	0.51588	-0.00884	0.84891
0.57967	0.048275	0.29785	0.055748	0.22919	0.031506	0.49701	-0.02067	0.656
0.57542	0.016862	0.71628	0.016197	0.72701	0.000131	0.99775	-0.20919	5.14E-06
0.66391	-0.02468	0.59475	0.012438	0.78864	-0.01404	0.76215	-0.16303	0.0004
0.00856	0.201766	1.11E-05	-0.13324	0.00392	0.018534	0.68954	0.099923	0.03085
0.33425	0.056095	0.22631	0.039098	0.39925	0.011016	0.81233	-0.13186	0.00431
0.63803	0.045414	0.32744	0.043383	0.34956	-0.00809	0.86156	-0.1065	0.02134
0.0304	-0.15237	0.00096	-0.04997	0.2812	-0.09626	0.03757	0.08639	0.06213
0.00425	6.43E-05	0.99889	-0.00949	0.83787	-0.1006	0.02973	0.128195	0.00553
0.60691	0.102215	0.02719	0.028635	0.53706	0.048266	0.29795	-0.15344	0.00088
0.40113	-0.0108	0.81596	0.120655	0.00906	-0.01613	0.72809	-0.17247	0.00018
3.08E-12	0.203451	9.37E-06	-0.06041	0.19249	-0.16642	0.0003	0.145666	0.0016
0.91262	0.153155	0.0009	0.149259	0.00122	0.094619	0.04097	-0.20763	6.06E-06
0.04577	0.140461	0.00235	0.049212	0.28857	0.048197	0.29863	0.101803	0.02782
0.00205	-0.12037	0.00922	-0.04322	0.35142	-0.00665	0.88603	-0.25277	3.06E-08
0.01399	0.222226	1.23E-06	0.115214	0.01272	-0.0047	0.91926	-0.14106	0.00225
2.22E-05	-0.2128	3.49E-06	-0.02284	0.62256	-0.02136	0.6452	-0.29391	9.29E-11
0.25841	0.020968	0.65129	0.034678	0.4547	0.028878	0.5336	-0.13936	0.00254
6.42E-05	-0.19324	2.62E-05	-0.00848	0.85496	-0.00167	0.97127	-0.26793	4.04E-09
0.4308	0.071117	0.12486	0.00832	0.85768	-0.01202	0.79555	-0.23985	1.55E-07
9.34E-06	0.168475	0.00025	0.045776	0.3236	0.01827	0.69373	0.057339	0.21616
0.07076	-0.14453	0.00174	0.05669	0.22141	-0.02906	0.53108	-0.0119	0.79754
0.31317	0.067731	0.14389	0.131857	0.00431	0.216342	2.37E-06	-0.1525	0.00095
0.00029	0.240266	1.48E-07	0.112202	0.01527	0.105764	0.02226	-0.10402	0.02458
0.05547	0.057103	0.21806	0.024363	0.59948	0.049319	0.28751	-0.12824	0.00551
5.35E-05	0.301387	2.91E-11	-0.08172	0.0777	0.075193	0.10461	-0.02296	0.62067
0.00016	-0.08705	0.06016	-0.00321	0.94481	0.074502	0.10785	-0.20581	7.34E-06
0.00298	0.203279	9.54E-06	0.007149	0.87754	0.116319	0.01189	-0.0813	0.07924
0.02066	-0.11853	0.01036	-0.01509	0.74492	-0.05063	0.27488	-0.10557	0.02251
0.72134	0.050171	0.27926	-0.01745	0.70678	0.114721	0.01311	-0.06746	0.1455
0.08438	0.209902	4.76E-06	0.080114	0.08373	0.103298	0.0256	-0.0704	0.12873
0.00073	-0.15356	0.00087	-0.01366	0.76842	-0.05561	0.23037	-0.2015	1.14E-05
0.12074	0.18793	4.37E-05	0.151716	0.00101	0.17997	9.20E-05	-0.14213	0.00208
0.46011	0.037243	0.42201	0.080376	0.08272	0.080276	0.08311	-0.18581	5.35E-05
0.07827	0.23825	1.89E-07	0.086321	0.06234	0.07941	0.0865	-0.13062	0.00469
0.40993	0.165469	0.00033	-0.00402	0.931	0.007765	0.86708	-0.0113	0.80751
0.05202	0.162791	0.00041	0.093103	0.04433	0.022272	0.63117	-0.07207	0.1199
0.07357	0.108906	0.01856	0.105903	0.02209	0.050706	0.27416	-0.09578	0.03854
0.08927	-0.07295	0.11541	0.016631	0.71999	-0.03274	0.48026	-0.28802	2.26E-10
0.11451	0.086854	0.06073	0.068496	0.13942	0.012952	0.78012	-0.08655	0.06165
0.45514	-0.11067	0.01673	0.016845	0.71655	-0.08226	0.07575	0.065273	0.15905
0.93632	0.09691	0.0363	0.079406	0.08651	0.095601	0.03891	-0.18353	6.63E-05



0.00217	-0.24756	5.95E-08	-0.0171	0.71242	-0.06881	0.13763	-0.16547	0.00033
2.35E-09	-0.16944	0.00023	-0.01764	0.70383	-0.03182	0.49273	-0.17116	0.0002
0.7931	0.046098	0.3202	0.065456	0.15788	0.012563	0.78657	-0.15216	0.00097
0.69667	0.12556	0.00659	0.012256	0.79166	0.004235	0.92727	-0.18092	8.44E-05
0.947	-0.04864	0.29421	-0.04041	0.38365	-0.02669	0.565	-0.10133	0.02855
0.14675	0.035893	0.43904	0.048136	0.29925	-0.07713	0.09595	0.125525	0.00661
0.25367	0.043824	0.34468	-0.10178	0.02786	0.006097	0.89546	0.070033	0.13073
0.93899	0.022464	0.62824	-0.03634	0.43336	0.017565	0.70499	0.014995	0.74655
2.98E-05	0.263836	7.07E-09	-0.00528	0.90938	0.02379	0.60809	-0.0251	0.58854
0.00453	0.084597	0.06777	-0.04852	0.29538	0.005608	0.9038	0.115291	0.01266
4.78E-05	0.256673	1.84E-08	0.094293	0.04167	0.063922	0.16787	0.117312	0.01118
0.01861	0.158518	0.00059	0.152624	0.00094	0.119094	0.01	0.053907	0.24496
0.24585	0.101449	0.02837	0.072184	0.11929	0.044207	0.34048	-0.1298	0.00496
0.00254	0.019587	0.67288	-0.11992	0.00949	-0.01629	0.72557	0.133773	0.00378
0.27132	0.124013	0.00729	0.111867	0.01558	-0.13797	0.00281	-0.1348	0.00352
0.67553	0.059851	0.19668	0.077099	0.09608	-0.00861	0.85273	-0.13569	0.0033
0.13627	-0.10869	0.0188	0.031507	0.49701	-0.03057	0.50991	-0.08091	0.08071
0.01798	0.17085	0.00021	-0.04925	0.28822	0.08115	0.0798	-0.27895	8.56E-10
0.00071	-0.20453	8.38E-06	-0.08823	0.05673	-0.03645	0.43191	-0.01659	0.72071
0.09216	0.196225	1.95E-05	0.005137	0.91185	0.074367	0.10849	-0.23582	2.53E-07
0.22581	0.009633	0.83552	0.019157	0.67967	0.015266	0.74214	-0.09928	0.03195
3.81E-07	-0.39165	1.44E-18	0.007942	0.86409	-0.09335	0.04376	-0.22534	8.65E-07
4.23E-10	0.291112	1.42E-10	0.092258	0.0463	0.044738	0.3347	0.099795	0.03107
0.13912	0.109296	0.01814	0.031442	0.49789	0.032096	0.48899	-0.18633	5.09E-05
0.0001	0.162292	0.00043	0.005231	0.91024	0.135975	0.00324	0.026299	0.57078
0.08407	0.196619	1.87E-05	0.212811	3.49E-06	0.112022	0.01544	-0.0737	0.11168
0.36879	0.011756	0.79998	0.110073	0.01733	0.02602	0.57488	-0.18875	4.04E-05
0.00016	0.352464	4.17E-15	0.185411	5.55E-05	0.139286	0.00256	-0.04339	0.34952
0.13008	-0.03711	0.42364	0.066073	0.15399	0.014035	0.76227	-0.10381	0.02487
0.94196	0.00547	0.90616	-0.05316	0.2516	-0.01638	0.72399	0.007808	0.86636
0.82837	0.020091	0.66498	0.0546	0.23894	0.104875	0.02342	-0.04655	0.31551
6.94E-05	0.344402	1.89E-14	0.123634	0.00748	0.169618	0.00023	-0.00088	0.9848
0.04383	-0.09481	0.04057	-0.01509	0.74495	-0.14904	0.00124	0.104566	0.02383
0.42485	-0.00322	0.94467	-0.05127	0.26881	-0.05973	0.19756	-0.21559	2.58E-06
0.04515	-0.02897	0.53231	0.029588	0.52359	0.091572	0.04796	-0.23204	3.97E-07
0.01892	-0.09931	0.0319	0.021431	0.64412	-0.02087	0.65282	-0.25401	2.60E-08
0.8454	0.074115	0.1097	0.054548	0.2394	0.051224	0.26928	-0.22561	8.39E-07
0.85753	-0.08852	0.05592	0.038179	0.41042	-0.08603	0.06323	-0.06269	0.17622
5.33E-07	0.300027	3.61E-11	0.162103	0.00044	0.025219	0.5867	-0.01014	0.82704
0.36207	0.079088	0.08779	0.132615	0.00409	0.058747	0.20508	-0.06174	0.18287
0.21226	0.096946	0.03623	0.036119	0.43615	0.121672	0.00849	-0.25679	1.81E-08
0.00665	-0.16853	0.00025	-0.14036	0.00236	0.042021	0.36491	-0.05492	0.23617
0.30655	0.008859	0.84857	0.026564	0.5669	0.005211	0.91057	0.018057	0.69713
2.60E-07	-0.26884	3.56E-09	-0.04679	0.31293	-0.08385	0.07025	-0.24606	7.20E-08
0.00106	0.221701	1.31E-06	0.0945	0.04122	0.031302	0.49981	-0.08122	0.07953

0.03148	-0.07411	0.10972	0.058074	0.21032	0.073258	0.11388	-0.07064	0.1274
0.02717	0.066104	0.1538	-0.01845	0.69087	-0.0522	0.26026	-0.10132	0.02857
0.63398	-0.01791	0.69945	0.003994	0.9314	-0.0483	0.29765	0.008345	0.85727
0.61876	0.058873	0.2041	0.134203	0.00367	-0.01579	0.73357	-0.14705	0.00144
0.6363	0.208489	5.53E-06	0.016861	0.71629	0.102681	0.0265	-0.12151	0.00858
0.00011	0.238316	1.87E-07	0.035985	0.43786	0.064202	0.16601	0.046379	0.31726
0.20043	0.111313	0.0161	0.069463	0.1339	0.131814	0.00433	-0.20448	8.42E-06
0.2837	0.126426	0.00622	0.015559	0.73735	0.109046	0.01841	-0.12417	0.00722
0.39354	0.230416	4.81E-07	-0.03162	0.49544	0.119531	0.00973	-0.13616	0.00319
0.56697	0.011253	0.80837	-0.00659	0.88698	-0.09337	0.04372	-0.00473	0.9188
0.35707	0.103964	0.02466	-0.00995	0.83012	0.094363	0.04152	-0.26363	7.27E-09
0.00015	0.273859	1.77E-09	0.039319	0.39658	0.09671	0.03669	-0.05942	0.19992
0.61056	0.119261	0.00989	0.071574	0.12245	0.161977	0.00044	-0.18808	4.31E-05
0.00023	0.133357	0.00389	0.010027	0.82889	-0.05945	0.19971	0.061488	0.18469
1.44E-08	0.446624	2.81E-24	0.130057	0.00488	0.263577	7.33E-09	-0.03521	0.44774
0.02363	0.197151	1.78E-05	-0.08807	0.0572	0.030901	0.50531	-0.00573	0.90171
1.07E-06	0.401079	1.78E-19	0.161482	0.00046	0.099352	0.03183	-0.13932	0.00255
0.0012	0.340122	4.13E-14	0.097976	0.03428	0.167462	0.00028	-0.06597	0.15465
0.28386	-0.01111	0.8107	0.149039	0.00124	-0.03418	0.46124	-0.03482	0.4528
0.04465	-0.026	0.57523	0.042019	0.36494	0.018687	0.6871	-0.12892	0.00527
0.00805	0.164252	0.00036	0.098498	0.03334	0.083531	0.07132	0.121775	0.00843
0.55992	-0.12376	0.00742	-0.00023	0.99601	0.001122	0.98071	0.035509	0.44395
0.0514	-0.10701	0.02073	-0.13964	0.00249	-0.0991	0.03227	-0.01715	0.71169
0.02891	0.290492	1.56E-10	0.027155	0.5583	0.211163	4.16E-06	-0.05994	0.19601
2.92E-08	-0.25172	3.51E-08	-0.03496	0.451	-0.08446	0.06821	-0.23377	3.23E-07
0.6928	0.05957	0.19879	0.106498	0.02135	0.095728	0.03865	-0.06621	0.15312
0.41013	-0.00217	0.96269	0.035606	0.4427	-0.00525	0.90993	-0.26664	4.83E-09
0.59333	-0.06713	0.14747	-0.00589	0.89891	-0.02355	0.61169	-0.15107	0.00106
0.79443	0.030782	0.50695	-0.0031	0.94667	-0.00067	0.9885	-0.03373	0.46718
0.00044	0.234876	2.83E-07	0.075816	0.10177	-0.04614	0.31976	-0.18137	8.10E-05
0.00274	-0.01947	0.67479	0.031247	0.50056	0.056399	0.2238	-0.25749	1.65E-08
2.31E-10	-0.29478	8.13E-11	-0.06456	0.16366	-0.00792	0.86446	-0.03655	0.43068
1.27E-05	-0.26244	8.55E-09	0.003491	0.94003	-0.12168	0.00848	-0.07063	0.1275
0.07966	0.012124	0.79385	0.048375	0.29685	0.078061	0.092	-0.241	1.35E-07
0.6441	-0.13678	0.00306	-0.06566	0.15658	-0.10773	0.01988	-0.08456	0.06788
4.01E-06	-0.31934	1.57E-12	-0.02439	0.59906	-0.07717	0.09579	0.061167	0.18699
0.00057	0.30766	1.07E-11	0.044268	0.33981	0.271703	2.39E-09	-0.15344	0.00088
0.00406	0.331515	1.93E-13	0.018069	0.69694	0.129301	0.00513	-0.09174	0.04755
0.01848	0.124203	0.0072	0.073992	0.11029	0.015861	0.73245	0.059509	0.19925
0.01346	0.213521	3.23E-06	0.049249	0.2882	0.036173	0.43546	-0.05849	0.2071
0.0716	0.134131	0.00368	0.032373	0.48524	0.020225	0.66288	-0.02884	0.53408
0.03633	0.044021	0.34252	0.088837	0.05506	0.1001	0.03056	-0.09153	0.04807
0.00164	-0.16064	0.00049	-0.08215	0.07613	-0.08123	0.07948	-0.09885	0.03271
0.01187	-0.00506	0.91317	-0.02206	0.63441	0.062614	0.17676	-0.10949	0.01794
3.60E-08	0.226188	7.85E-07	-0.00134	0.97691	0.017493	0.70614	-0.06522	0.15939

0.45403	-0.0058	0.90057	0.038871	0.40199	0.06673	0.14993	0.096532	0.03704
0.58153	0.051437	0.26729	-0.1054	0.02273	0.101059	0.02899	-0.37681	3.34E-17
2.78E-05	0.365668	3.20E-16	0.072432	0.11802	0.136604	0.0031	-0.06439	0.16479
8.00E-13	0.303418	2.11E-11	-0.04288	0.35517	0.061282	0.18616	-0.1384	0.00272
0.08693	0.175785	0.00013	0.04978	0.28303	0.041525	0.3706	-0.14751	0.00139
0.73052	-0.07335	0.11342	0.061913	0.18166	-0.09491	0.04036	0.127218	0.0059
0.01896	-0.09813	0.034	0.034675	0.45473	0.005662	0.90288	-0.13702	0.00301
0.32222	0.111484	0.01594	0.034689	0.45454	0.001298	0.97768	-0.22015	1.56E-06
5.60E-05	0.16064	0.00049	0.032545	0.48293	-0.01706	0.71303	-0.1801	9.09E-05
0.47228	0.000412	0.99292	0.013539	0.77043	-4.42E-05	0.99924	0.104656	0.02371
0.17675	0.024844	0.59229	0.125911	0.00644	0.071931	0.12059	-0.12471	0.00697
1.35E-07	0.373654	6.39E-17	0.082703	0.07418	0.101828	0.02778	-0.01417	0.75997
0.805	0.067894	0.14293	0.061072	0.18768	0.040595	0.38142	-0.00936	0.84017
0.77619	0.142092	0.00208	-0.00025	0.99575	-0.04448	0.33749	-0.03172	0.49411
3.37E-07	0.291035	1.44E-10	0.041638	0.3693	0.059961	0.19585	0.07698	0.0966
0.00595	-0.23142	4.27E-07	0.09155	0.04801	-0.17924	9.83E-05	0.088572	0.05579
0.39387	0.090766	0.04996	0.045436	0.3272	0.112615	0.0149	-0.08201	0.07664
0.89329	0.106021	0.02194	0.045457	0.32698	0.086187	0.06275	-0.20778	5.96E-06
0.00197	0.266432	4.97E-09	0.057094	0.21813	0.106891	0.02087	-0.09755	0.03507
0.04148	-0.06565	0.15662	0.122738	0.00792	0.04374	0.34561	-0.0913	0.04862
0.05578	0.095769	0.03856	0.022435	0.62868	0.015113	0.74463	-0.05658	0.22229
0.18332	0.214671	2.85E-06	0.05	0.2809	0.060955	0.18853	-0.00652	0.88827
2.26E-07	0.163985	0.00037	0.086697	0.0612	-0.00632	0.89173	-0.13822	0.00276
0.01075	0.26435	6.60E-09	0.03414	0.46173	0.198775	1.51E-05	-0.12034	0.00924
2.00E-06	0.399237	2.69E-19	0.033202	0.47413	0.142119	0.00208	-0.12858	0.00539
3.77E-09	-0.28571	3.19E-10	-0.0123	0.79085	-0.05426	0.24187	-0.23347	3.35E-07
0.00075	0.093311	0.04386	0.002068	0.96445	-0.01947	0.67473	-0.19377	2.48E-05
0.44709	0.086526	0.06172	-0.00267	0.95414	-0.03141	0.49833	-0.1764	0.00013
0.00013	-0.07312	0.11457	0.019041	0.6815	0.031552	0.49638	-0.23199	3.99E-07
0.00141	-0.16985	0.00023	0.009234	0.84225	-0.0271	0.55917	-0.21245	3.63E-06
0.00066	0.300354	3.43E-11	0.096509	0.03708	0.245275	7.94E-08	-0.08344	0.07163
0.27264	0.049706	0.28374	0.008543	0.85392	0.02687	0.56244	-0.18126	8.17E-05
4.05E-08	-0.22944	5.39E-07	-0.00705	0.87922	-0.05579	0.22881	-0.0569	0.2197
0.01046	-0.12757	0.00577	-0.01665	0.71972	-0.05395	0.24462	0.09971	0.03121
0.57799	0.002328	0.95998	0.002452	0.95785	-0.04834	0.29722	-0.18577	5.37E-05
0.03181	-0.00619	0.8938	0.0567	0.22133	-0.05685	0.22015	0.07993	0.08445
1.78E-07	-0.20637	6.92E-06	0.022366	0.62973	-0.02406	0.604	-0.24443	8.83E-08
0.00192	-0.12017	0.00934	0.121063	0.00882	0.010933	0.81371	-0.24652	6.79E-08
6.71E-12	-0.2258	8.21E-07	-0.00266	0.95429	0.012851	0.78179	-0.25751	1.65E-08
0.50051	0.059776	0.19724	0.015964	0.73079	0.002743	0.95286	-0.13962	0.0025
3.97E-05	-0.08987	0.05229	-0.04107	0.37591	0.002329	0.95997	-0.23818	1.90E-07
0.36483	0.042069	0.36436	-0.07844	0.09042	0.020387	0.66034	-0.09535	0.03942
0.05765	-0.07296	0.11534	0.0852	0.06583	-0.01725	0.71007	-0.13821	0.00276
1.07E-10	0.427613	3.49E-22	0.068368	0.14015	0.032438	0.48437	0.224486	9.54E-07
0.34036	0.178939	0.0001	0.004312	0.92596	0.018424	0.69129	-0.12518	0.00676

0.10917	0.169537	0.00023	0.097833	0.03455	0.007319	0.87466	-0.0964	0.03731
0.40332	0.111809	0.01564	-0.03366	0.46803	0.239043	1.71E-07	-0.20639	6.90E-06
0.90643	0.043013	0.35369	0.159182	0.00055	0.003305	0.94321	-0.20117	1.18E-05
0.01809	0.014483	0.75492	0.012248	0.7918	-0.02763	0.55147	-0.17712	0.00012
0.23517	-0.03544	0.44489	0.032947	0.47754	0.00271	0.95343	-0.27351	1.86E-09
0.00224	0.368087	1.97E-16	0.096315	0.03747	0.066021	0.15431	-0.14105	0.00225
0.09257	0.117378	0.01113	0.124242	0.00719	0.10652	0.02132	-0.0469	0.31186
0.00039	0.262955	7.97E-09	0.132813	0.00404	0.015288	0.74177	-0.15844	0.00059
0.8937	0.083348	0.07195	0.128818	0.0053	0.002775	0.95232	-0.04831	0.29749
0.96357	-0.03364	0.46834	0.006807	0.88336	-0.03755	0.41819	-0.181	8.37E-05
0.00723	0.163407	0.00039	0.051409	0.26756	0.017941	0.69898	-0.09117	0.04894
0.00643	0.084817	0.06705	-0.03212	0.48868	-0.04713	0.30945	-0.09055	0.05052
0.00105	-0.09196	0.04701	0.093059	0.04443	0.203309	9.51E-06	-0.17209	0.00019
0.39055	-0.02577	0.57863	0.130468	0.00474	0.018359	0.69232	-0.18259	7.23E-05
0.15497	0.004082	0.92989	0.030735	0.5076	0.021426	0.6442	-0.13635	0.00315
5.84E-05	-0.1792	9.87E-05	0.005923	0.89842	-0.04581	0.32329	-0.24999	4.38E-08
0.00091	0.213404	3.27E-06	0.317776	2.04E-12	0.05161	0.26569	-0.14781	0.00136
0.45335	0.09946	0.03164	0.075754	0.10204	0.090008	0.05192	-0.0941	0.0421
0.05175	-0.01344	0.77214	0.066201	0.15319	0.035733	0.44107	-0.1522	0.00097
0.17485	0.213709	3.16E-06	-0.03819	0.41034	0.00132	0.9773	-0.24808	5.57E-08
0.00177	0.167958	0.00027	-0.02457	0.59639	0.035583	0.443	-0.22246	1.20E-06
0.11706	-0.05858	0.20637	0.111805	0.01564	-0.01822	0.69454	-0.28696	2.65E-10
0.70069	-0.04298	0.35408	-0.05537	0.23238	0.014197	0.75962	0.014305	0.75784
0.20718	-0.02719	0.55783	0.038787	0.40301	0.002369	0.95927	-0.2454	7.82E-08
2.17E-06	0.317081	2.29E-12	0.128735	0.00533	0.035721	0.44123	-0.1425	0.00202
4.49E-10	0.285095	3.49E-10	-0.10578	0.02224	0.118656	0.01028	0.235934	2.50E-07
7.17E-06	0.34308	2.41E-14	0.137872	0.00283	0.119495	0.00975	-0.1125	0.015
4.15E-10	-0.22551	8.49E-07	-0.05881	0.20457	-0.03173	0.49401	-0.02476	0.59349
0.07409	0.114783	0.01306	-0.08745	0.05899	0.090577	0.05045	-0.23187	4.05E-07
1.07E-06	0.106937	0.02081	-0.04018	0.38626	-0.0177	0.70279	0.131386	0.00446
0.78084	0.014987	0.74668	0.014479	0.75498	-0.00908	0.84489	-0.21377	3.14E-06
0.44421	0.06558	0.15709	0.062102	0.18033	0.042202	0.36285	-0.16746	0.00028
0.34562	0.076535	0.09855	0.139208	0.00257	-0.02581	0.578	-0.13458	0.00357
0.43147	-0.04308	0.35295	0.173047	0.00017	0.03259	0.48233	-0.14838	0.0013
0.46021	0.003653	0.93725	0.024473	0.59782	-0.02612	0.57346	-0.17471	0.00015
0.6444	0.15421	0.00083	0.134216	0.00366	0.017675	0.70323	-0.15383	0.00085
0.0253	-0.06187	0.18196	0.066054	0.15411	-0.07001	0.13083	-0.29082	1.48E-10
0.22076	0.045595	0.32551	-0.03854	0.40599	0.027323	0.55588	0.066905	0.14886
0.05426	-0.02094	0.65167	0.052344	0.25894	-0.0149	0.74814	-0.22748	6.76E-07
0.01578	-0.00335	0.94241	-0.02627	0.57125	0.007829	0.86601	0.267762	4.14E-09
0.7449	0.076425	0.09904	0.19172	3.04E-05	0.09915	0.03218	-0.16686	0.00029
0.0213	0.139425	0.00253	0.132644	0.00409	0.152395	0.00095	0.136559	0.00311
0.03482	0.030209	0.51491	-0.05217	0.26054	-0.13125	0.0045	-0.11964	0.00966
0.0019	0.25372	2.71E-08	0.0923	0.0462	0.076002	0.10093	0.063866	0.16825
0.04056	0.252236	3.28E-08	0.07136	0.12358	0.108314	0.01922	-0.05971	0.19772

0.00509	-0.06314	0.17315	-0.01931	0.67728	-0.03651	0.43117	-0.21912	1.75E-06
0.3559	0.103933	0.0247	0.186604	4.96E-05	0.093325	0.04382	-0.15387	0.00085
0.00132	0.210271	4.58E-06	0.345647	1.50E-14	0.228928	5.72E-07	0.133341	0.00389
0.00063	-0.16597	0.00032	0.111083	0.01633	-0.06041	0.19252	0.08324	0.07231
0.74653	0.027914	0.54736	-0.02101	0.65066	0.005041	0.91349	-0.17841	0.00011
0.11682	0.057205	0.21724	0.02255	0.62692	0.041124	0.37525	-0.203	9.81E-06
0.95729	0.142985	0.00195	0.132592	0.0041	0.18075	8.57E-05	-0.04219	0.36295
0.3393	-0.04519	0.32982	0.011418	0.80561	-0.03173	0.49402	-0.26832	3.83E-09
0.15341	-0.0333	0.47285	0.070336	0.12907	0.058418	0.20763	-0.13587	0.00326
8.97E-09	-0.27997	7.39E-10	-0.04188	0.36657	-0.06136	0.18559	-0.20364	9.18E-06
0.03674	-0.09179	0.04742	-0.00622	0.8933	-0.04475	0.33459	-0.19095	3.27E-05
0.28592	0.041698	0.36861	0.007312	0.87477	0.067148	0.14739	-0.10564	0.02242
0.69666	0.06031	0.19326	-0.09125	0.04876	-0.00773	0.86769	-0.02798	0.54646
0.40051	-0.03043	0.51187	0.061164	0.18702	0.026394	0.5694	-0.19299	2.68E-05
2.60E-09	0.29717	5.63E-11	0.089362	0.05363	-0.01623	0.72652	0.031992	0.4904
0.20314	0.048167	0.29894	0.071746	0.12156	0.058148	0.20974	-0.27738	1.07E-09
2.76E-05	0.224867	9.14E-07	0.004723	0.91892	-0.00857	0.85354	-0.19481	2.24E-05
4.76E-06	-0.20038	1.28E-05	0.014392	0.75641	-0.0291	0.53047	-0.18458	6.00E-05
0.18285	-0.06729	0.14654	0.028584	0.53778	-0.00546	0.90628	-0.20932	5.07E-06
0.45578	0.04272	0.35698	0.232479	3.77E-07	0.206233	7.02E-06	-0.06062	0.19097
0.49609	0.066496	0.15137	0.12488	0.00689	0.160482	0.0005	-0.19014	3.54E-05
0.31443	0.081194	0.07963	0.1535	0.00087	-0.00738	0.87355	-0.18879	4.03E-05
2.04E-07	0.393959	8.66E-19	0.142688	0.00199	0.212061	3.78E-06	-0.1214	0.00863
0.13972	0.027648	0.55119	0.075101	0.10504	-0.06515	0.15986	-0.1331	0.00396
3.54E-06	0.36602	2.99E-16	0.018903	0.68368	0.087351	0.05927	-0.02556	0.58163
0.63252	0.001389	0.97612	0.004911	0.9157	-0.04329	0.35063	-0.2077	6.02E-06
2.44E-11	0.299276	4.06E-11	0.058438	0.20747	0.071343	0.12367	-0.1391	0.00259
0.01949	-0.10191	0.02765	-0.06489	0.16153	-0.08401	0.06969	-0.15177	0.001
0.07512	0.082137	0.07619	-0.00727	0.87555	0.048105	0.29956	0.206263	6.99E-06
0.00739	-0.1624	0.00043	-0.04657	0.31527	-0.10961	0.01781	-0.08449	0.06814
4.10E-07	0.266932	4.64E-09	0.229643	5.26E-07	0.055106	0.23461	-0.09436	0.04153
0.00107	-0.09933	0.03186	-0.01461	0.75279	-0.02316	0.61765	-0.12095	0.00889
0.12658	0.086667	0.06129	0.114056	0.01365	0.036633	0.42965	-0.26934	3.33E-09
0.03094	-0.08502	0.06639	-0.00854	0.85392	-0.01369	0.76796	-0.24395	9.38E-08
5.36E-05	0.248789	5.10E-08	0.054863	0.23669	0.035585	0.44298	-0.03432	0.45939
0.0043	0.146316	0.00152	0.261626	9.53E-09	-0.02862	0.53726	-0.12832	0.00549
0.0012	-0.02202	0.63497	0.022298	0.63078	0.026704	0.56487	-0.14883	0.00126
0.65617	0.174275	0.00015	0.064701	0.16274	0.081475	0.0786	-0.15811	0.00061
0.01114	-0.09889	0.03264	0.074781	0.10654	0.028039	0.54556	-0.12353	0.00753
0.18699	-0.02747	0.55369	0.063591	0.17009	0.020549	0.65782	-0.16569	0.00032
0.01789	0.043329	0.35016	0.130822	0.00463	0.091855	0.04727	-0.11567	0.01237
0.00173	0.001206	0.97926	0.011624	0.80217	0.087791	0.05799	-0.19927	1.44E-05
0.56208	0.050746	0.27378	-0.00778	0.86679	-0.01974	0.67046	-0.18702	4.77E-05
0.00024	0.26826	3.86E-09	0.085609	0.06454	0.068999	0.13652	-0.00795	0.86395
0.13439	0.055803	0.22874	0.034409	0.4582	0.037244	0.42199	-0.08446	0.06822

0.65125	0.043862	0.34425	0.046156	0.31959	0.020768	0.6544	-0.08801	0.05737
0.99983	0.037388	0.42019	0.043603	0.34712	0.054764	0.23754	-0.13287	0.00402
0.12226	0.044108	0.34156	0.071747	0.12155	0.06522	0.15938	-0.14794	0.00135
9.01E-05	0.24012	1.50E-07	0.129258	0.00515	0.132346	0.00417	0.026201	0.57222
0.00046	-0.14272	0.00199	8.38E-05	0.99856	-0.00638	0.89063	-0.25169	3.52E-08
0.64563	0.132635	0.00409	0.274735	1.56E-09	0.030159	0.51559	-0.08835	0.05642
0.64125	0.010717	0.81732	0.059286	0.20094	0.052738	0.25537	-0.2589	1.37E-08
0.01081	-0.10663	0.02119	0.00695	0.88093	-0.01306	0.77836	-0.22774	6.56E-07
0.00103	0.104449	0.02399	-0.03285	0.47883	-0.04001	0.38834	-0.06396	0.16765
0.89687	0.041745	0.36807	0.04847	0.29591	0.01485	0.74892	-0.17428	0.00015
0.35314	0.066681	0.15023	0.036987	0.42521	0.166678	0.0003	-0.16575	0.00032
0.0051	0.083621	0.07101	-0.1124	0.01509	0.031935	0.49118	0.01072	0.81729
0.01793	0.006902	0.88174	-0.04157	0.37014	-0.00343	0.94109	-0.11609	0.01205
0.3124	0.018567	0.68901	0.000951	0.98365	0.009337	0.84051	-0.16842	0.00026
0.59323	0.061343	0.18573	0.035202	0.4479	0.123871	0.00736	-0.24755	5.97E-08
0.05129	0.153407	0.00088	0.01022	0.82566	0.071359	0.12358	-0.21606	2.45E-06
0.4722	-0.05883	0.20442	-0.08195	0.07687	-0.0611	0.18747	0.05541	0.23203
0.20441	-0.04603	0.32095	-0.12633	0.00627	-0.03244	0.48436	0.001486	0.97446
0.03023	-0.08808	0.05716	-0.00171	0.97052	-0.02425	0.60116	-0.17531	0.00014
0.00111	-0.25787	1.57E-08	-0.12971	0.00499	-0.01305	0.77856	0.058384	0.20789
0.2811	0.025856	0.57729	0.353449	3.46E-15	0.103782	0.02491	-0.19105	3.24E-05
0.01413	-0.0137	0.76786	0.09851	0.03331	0.067805	0.14346	-0.17986	9.29E-05
0.91702	-0.13696	0.00302	-0.01175	0.80015	-0.04797	0.30093	0.066193	0.15324
7.34E-16	-0.38753	3.49E-18	-0.01745	0.7068	-0.05465	0.23853	-0.1757	0.00014
0.05635	0.038475	0.4068	0.332818	1.53E-13	-0.01657	0.721	-0.06793	0.14275
0.00017	0.273545	1.85E-09	0.061603	0.18387	0.088732	0.05535	-0.17517	0.00014
0.67407	0.115677	0.01237	0.153115	0.0009	0.044862	0.33337	-0.13701	0.00301
0.7242	0.034736	0.45393	0.018105	0.69637	-0.02457	0.59632	-0.14066	0.00231
0.00132	0.08927	0.05388	0.085822	0.06387	-0.04559	0.32556	-0.18333	6.75E-05
2.89E-05	-0.08389	0.0701	-0.04013	0.38693	0.033202	0.47413	-0.12514	0.00678
2.00E-05	-0.1505	0.00111	-0.01898	0.68241	-0.05304	0.25263	-0.14813	0.00133
9.67E-11	0.386066	4.78E-18	0.049194	0.28875	0.053851	0.24546	0.010672	0.81808
0.33745	0.109625	0.0178	0.053604	0.24763	0.057966	0.21117	-0.15752	0.00063
1.71E-07	0.337647	6.46E-14	-0.02672	0.56469	0.082751	0.07401	-0.06199	0.18111
0.9688	0.041303	0.37317	0.052633	0.25632	-0.01059	0.81952	-0.14187	0.00212
0.20788	0.081816	0.07735	0.066469	0.15153	0.16195	0.00044	-0.18219	7.50E-05
0.26209	0.031522	0.4968	-0.09897	0.0325	-0.05984	0.19675	-0.30177	2.74E-11
0.00039	-0.07863	0.08966	0.007802	0.86647	0.03529	0.44676	-0.24392	9.41E-08
0.7245	-0.02287	0.62204	0.026949	0.5613	-0.06209	0.18043	-0.03116	0.50174
0.63953	-0.06407	0.16688	-0.06498	0.16094	-0.05796	0.21121	-0.07763	0.09381
0.02273	-0.12204	0.00829	0.025576	0.58141	-0.09826	0.03377	-0.32007	1.39E-12
0.00039	-0.27553	1.40E-09	-0.09619	0.03772	-0.12413	0.00724	0.01213	0.79375
0.65578	0.034999	0.45053	0.052415	0.25829	0.032331	0.48581	-0.08136	0.07902
0.35658	-0.04165	0.36913	-0.01305	0.77856	-0.03312	0.47528	-0.23449	2.97E-07
1.27E-07	-0.18251	7.28E-05	-0.15066	0.00109	-0.07114	0.12476	-0.22614	7.90E-07

0.55875	0.034689	0.45455	-0.08563	0.06448	0.031791	0.49312	-0.1211	0.0088
7.85E-05	-0.1491	0.00123	0.06596	0.1547	0.061787	0.18256	-0.28073	6.62E-10
0.45746	0.115797	0.01228	0.067604	0.14465	0.069347	0.13455	-0.18802	4.33E-05
0.53583	0.09414	0.04201	0.011065	0.81151	0.034009	0.46344	-0.24254	1.12E-07
0.17088	-0.0627	0.17613	0.153294	0.00089	0.003978	0.93168	-0.1935	2.55E-05
0.82205	-0.02218	0.63257	0.102779	0.02635	-0.03602	0.43741	-0.17672	0.00012
0.0001	0.187298	4.65E-05	-0.12555	0.00659	-0.10988	0.01754	-0.2109	4.28E-06
0.20371	0.104409	0.02404	-0.02125	0.64685	-0.05458	0.23912	-0.08435	0.06859
0.44366	-0.00151	0.97399	0.141964	0.0021	0.005537	0.905	-0.19938	1.42E-05
0.12613	0.126309	0.00627	0.212349	3.67E-06	0.096635	0.03683	-0.13029	0.0048
0.00351	0.28854	2.09E-10	-0.01272	0.78404	0.055659	0.22994	-0.14417	0.00179
0.56597	0.099868	0.03095	0.07178	0.12138	-0.01663	0.72	-0.10903	0.01843
0.00021	0.210019	4.70E-06	0.051591	0.26586	0.103409	0.02544	-0.17751	0.00012
0.24695	0.070142	0.13013	-0.10479	0.02353	0.060195	0.19411	-0.16725	0.00028
0.90325	0.054155	0.2428	0.003724	0.93603	-0.0482	0.29863	-0.00377	0.93528
0.49441	0.153649	0.00086	0.040285	0.38508	0.072408	0.11814	-0.15811	0.00061
0.00227	0.229441	5.39E-07	0.021261	0.64675	0.106545	0.02129	-0.19784	1.66E-05
0.13897	0.063991	0.16741	0.03856	0.40577	0.008353	0.85712	0.017968	0.69854
0.93586	0.001655	0.97155	0.038321	0.40869	-0.04967	0.28407	-0.13357	0.00383
0.41182	-0.00129	0.97775	0.06615	0.15351	0.061342	0.18573	-0.30318	2.20E-11
0.24778	-0.03513	0.44878	0.01179	0.79941	-0.0312	0.50117	0.101424	0.02841
0.00039	0.026701	0.56491	0.056334	0.22433	-0.08367	0.07084	0.073198	0.11418
0.39629	-0.0639	0.16799	-0.08924	0.05397	-0.05111	0.27037	0.122718	0.00793
3.57E-05	0.263972	6.95E-09	0.112078	0.01539	-0.0954	0.03932	-0.11392	0.01377
0.99018	0.113735	0.01392	0.024421	0.5986	0.095496	0.03913	-0.18713	4.72E-05
0.5434	0.117374	0.01113	0.049557	0.2852	0.099066	0.03233	-0.18159	7.93E-05
2.72E-07	0.238601	1.81E-07	0.192872	2.71E-05	0.077164	0.0958	-0.01598	0.73056
0.00019	0.34218	2.84E-14	0.304281	1.84E-11	0.208125	5.75E-06	-0.04898	0.29083
0.61076	-0.03143	0.49812	-0.00891	0.84768	-0.017	0.71413	-0.23867	1.80E-07
0.06489	0.204787	8.16E-06	0.005811	0.90034	-0.0113	0.80759	-0.25033	4.19E-08
0.01272	0.195048	2.19E-05	0.037706	0.41625	0.135447	0.00336	-0.11773	0.01089
0.00231	-0.17063	0.00021	-0.10088	0.02928	-0.0965	0.0371	-0.1885	4.14E-05
0.01645	-0.05262	0.25645	0.057333	0.21621	0.017232	0.71032	-0.06738	0.14597
0.34953	-0.01191	0.7974	0.166577	0.0003	0.00829	0.85819	-0.14648	0.0015
0.72057	0.039965	0.38886	-0.00278	0.95231	-0.10211	0.02735	0.227796	6.52E-07
0.00185	-0.1124	0.01509	0.012127	0.79381	0.015174	0.74363	-0.25146	3.62E-08
0.01244	0.191328	3.15E-05	-0.05486	0.23668	0.017487	0.70623	-0.15833	0.00059
0.11859	0.218874	1.79E-06	0.024321	0.60011	0.026598	0.5664	-0.11041	0.017
0.96386	0.043848	0.34442	0.07826	0.09117	0.036469	0.43172	-0.17878	0.0001
2.09E-05	-0.22045	1.51E-06	-0.02631	0.57066	0.048854	0.29209	-0.24865	5.19E-08
1.30E-06	0.294582	8.38E-11	-0.01	0.82939	0.060388	0.19268	-0.09346	0.04352
0.20797	-0.09603	0.03803	0.047912	0.30151	-0.00352	0.93954	-0.26104	1.03E-08
0.00011	0.237238	2.13E-07	0.077918	0.09259	0.074607	0.10735	-0.13288	0.00402
0.01627	0.05381	0.24582	0.088662	0.05554	0.00757	0.87039	-0.04168	0.36876
0.34411	0.046089	0.3203	0.016874	0.71608	0.040742	0.3797	-0.19245	2.83E-05

0.04288	-0.01394	0.76388	0.10925	0.01819	-0.09606	0.03798	-0.21388	3.11E-06
5.28E-05	0.234007	3.14E-07	0.037525	0.41849	0.077763	0.09325	0.007632	0.86934
4.35E-05	-0.14253	0.00202	0.065524	0.15745	-0.03663	0.42975	-0.18007	9.11E-05
0.09301	0.160809	0.00049	0.096614	0.03688	0.115866	0.01222	-0.11152	0.0159
2.44E-05	0.332741	1.55E-13	0.016398	0.72376	0.162019	0.00044	-0.23157	4.20E-07
0.02084	-0.09715	0.03584	0.055714	0.22948	0.242035	1.19E-07	-0.13214	0.00423
0.00065	0.16777	0.00027	0.057538	0.21456	0.028098	0.54471	0.106951	0.0208
0.22594	0.051806	0.26387	-0.11991	0.00949	-0.07215	0.11946	0.10876	0.01872
0.00271	-0.11471	0.01312	0.015227	0.74277	-0.03404	0.46306	-0.20922	5.12E-06
0.02372	-0.101	0.02909	0.027746	0.54976	-0.01651	0.72196	-0.28549	3.30E-10
0.1612	0.118509	0.01037	0.017117	0.71218	-0.0355	0.44409	-0.08636	0.06223
0.04264	0.140494	0.00234	0.113902	0.01378	0.149459	0.0012	-0.12321	0.00768
0.20814	-0.07209	0.11979	0.154196	0.00083	-0.03895	0.40099	-0.24171	1.24E-07
0.90597	0.042124	0.36374	0.056919	0.21955	0.071948	0.1205	-0.0922	0.04645
0.00313	0.270473	2.84E-09	0.15028	0.00112	0.111505	0.01592	0.011613	0.80236
0.54328	0.119648	0.00965	0.274609	1.59E-09	0.035652	0.44212	-0.04365	0.34656
1.07E-07	0.281642	5.80E-10	0.07811	0.09179	0.122249	0.00818	0.0455	0.32652
3.82E-15	0.374546	5.33E-17	-0.13567	0.00331	-0.08814	0.05699	0.288899	1.98E-10
0.00016	0.129612	0.00503	0.002781	0.95221	-0.04781	0.30256	-0.15261	0.00094
0.00299	0.352594	4.07E-15	0.164284	0.00036	0.217404	2.11E-06	-0.01822	0.69445
6.62E-09	-0.33281	1.53E-13	-0.06124	0.18645	-0.05569	0.22971	0.104008	0.02459
0.12761	-0.04425	0.34	-0.03039	0.51234	-0.00762	0.86952	-0.16251	0.00042
0.0007	0.201006	1.20E-05	-0.01461	0.75285	0.035646	0.44219	0.001765	0.96965
4.32E-05	0.350016	6.62E-15	0.063749	0.16903	0.223265	1.10E-06	0.007198	0.87671
0.70069	0.01477	0.75023	0.010576	0.8197	0.084615	0.06771	-0.10672	0.02107
0.33069	0.089454	0.05338	0.151198	0.00105	0.145489	0.00162	-0.00211	0.9638
0.0299	0.163524	0.00039	0.158642	0.00058	0.045324	0.3284	-0.01237	0.78982
0.12916	0.069879	0.13158	0.033515	0.46997	0.007089	0.87857	-0.15707	0.00066
0.58013	0.03113	0.50217	0.033987	0.46374	0.029992	0.51792	-0.14959	0.00119
0.01915	0.111951	0.0155	-0.02502	0.58962	0.13111	0.00454	-0.16427	0.00036
0.01283	-0.09552	0.03908	-0.10702	0.02072	-0.0806	0.08187	0.024689	0.5946
0.23793	0.058336	0.20827	0.03005	0.51712	-0.00028	0.99523	-0.1403	0.00237
0.22789	0.076887	0.09701	0.004755	0.91838	0.006965	0.88067	-0.14361	0.00186
0.43849	0.051581	0.26595	0.084901	0.06678	0.008596	0.85302	-0.10685	0.02092
1.03E-07	-0.2203	1.53E-06	-0.01145	0.80499	-0.05719	0.21736	-0.23099	4.49E-07
0.53564	0.095736	0.03863	0.030961	0.50449	0.092085	0.04672	-0.13911	0.00259
4.73E-05	-0.03902	0.40016	-0.07851	0.09013	0.108618	0.01888	-0.19898	1.48E-05
0.28556	-0.00463	0.92048	0.08901	0.05458	0.001909	0.96718	-0.19035	3.47E-05
0.27782	0.065298	0.15889	0.071833	0.1211	0.043198	0.35162	0.048532	0.29529
0.03472	0.070162	0.13002	-0.12362	0.00748	0.002633	0.95474	0.008895	0.84797
0.0039	0.203675	9.15E-06	0.129594	0.00503	0.158289	0.0006	-0.1098	0.01761
0.4903	0.07879	0.08899	-0.05347	0.24881	-0.00608	0.89581	-0.20075	1.24E-05
0.66085	0.099011	0.03242	0.006598	0.88692	0.004675	0.91974	-0.10492	0.02336
0.18541	-0.03559	0.4429	-0.0279	0.5476	-0.05028	0.27817	-0.17703	0.00012
3.32E-08	-0.24838	5.37E-08	-0.04021	0.38595	0.03983	0.39046	-0.26682	4.71E-09



4.76E-08	0.397969	3.57E-19	0.219124	1.75E-06	0.176006	0.00013	0.132883	0.00402
2.46E-07	0.313093	4.43E-12	0.014086	0.76144	0.024229	0.60148	-0.08228	0.07566
0.06685	0.01034	0.82366	0.075294	0.10415	0.060135	0.19455	-0.17671	0.00012
0.0005	-0.1584	0.00059	-0.04989	0.282	0.036836	0.4271	-0.3073	1.14E-11
0.57206	0.058556	0.20655	0.129454	0.00508	0.158089	0.00061	-0.19255	2.80E-05
0.00385	0.279192	8.27E-10	0.071157	0.12465	0.004903	0.91584	-0.01833	0.69273
8.63E-19	-0.3884	2.90E-18	-0.01026	0.82501	0.006483	0.88888	-0.25316	2.91E-08
0.03276	0.064897	0.16147	-0.06447	0.16426	-0.01011	0.8275	0.074703	0.1069
0.10175	0.189582	3.73E-05	0.182965	6.98E-05	0.041847	0.3669	-0.1541	0.00083
0.00071	0.17201	0.00019	0.066274	0.15274	0.03085	0.50602	-0.06433	0.1652
0.01197	0.138081	0.00279	0.024839	0.59236	0.055416	0.23198	-0.1053	0.02286
0.00433	-0.1847	5.94E-05	-0.02699	0.56074	-0.04311	0.35262	0.036209	0.43501
0.07513	0.101896	0.02768	0.224723	9.29E-07	0.041627	0.36943	-0.06577	0.15592
0.21777	0.053766	0.2462	0.075798	0.10185	0.035725	0.44118	-0.10527	0.02289
0.35692	0.004426	0.924	0.02068	0.65577	0.016935	0.71511	-0.05568	0.22976
0.67936	0.060932	0.18869	0.052613	0.25649	0.09993	0.03084	-0.06305	0.17373
0.00935	0.059913	0.19621	0.042581	0.35855	0.062612	0.17677	-0.17944	9.66E-05
1.85E-08	0.397511	3.95E-19	0.154287	0.00082	0.000517	0.9911	-0.0611	0.18746
0.21076	-0.12128	0.0087	0.039696	0.39207	-0.00669	0.88538	-0.12803	0.00559
0.00093	-0.18197	7.66E-05	0.003605	0.93808	-0.09135	0.0485	0.123879	0.00736
0.66998	-0.07811	0.09177	0.085496	0.06489	-0.08325	0.07227	-0.03389	0.46503
0.04993	0.283593	4.36E-10	0.015735	0.7345	0.102963	0.02608	-0.1068	0.02097
0.82033	0.095538	0.03904	0.06118	0.1869	0.120267	0.00928	-0.12578	0.00649
0.51964	0.071185	0.1245	0.033114	0.4753	0.041609	0.36964	-0.16073	0.00049
0.27169	0.079909	0.08453	-0.06156	0.18415	-0.02209	0.634	0.24035	1.46E-07
2.57E-07	-0.16826	0.00026	0.011508	0.80411	0.046093	0.32025	-0.237	2.20E-07
0.00459	-0.17427	0.00015	0.102276	0.0271	-0.07375	0.11146	-0.06139	0.18539
0.20785	0.067948	0.14261	-0.03284	0.47891	-0.05599	0.22715	0.034742	0.45386
9.20E-05	0.254755	2.36E-08	0.105667	0.02239	0.026919	0.56173	-0.15889	0.00057
0.00015	0.150016	0.00115	0.012104	0.79418	-0.07645	0.09892	0.188323	4.21E-05
0.67594	0.0764	0.09915	0.087337	0.05931	0.117782	0.01086	-0.12609	0.00636
0.04882	-0.20859	5.48E-06	0.038037	0.41217	-0.13414	0.00368	0.089662	0.05283
3.44E-09	0.410488	2.08E-20	0.071605	0.12229	0.128273	0.0055	-0.00287	0.95061
0.67728	-0.05028	0.27819	-0.09632	0.03745	-0.01862	0.68813	-0.09772	0.03475
9.29E-06	0.30033	3.44E-11	0.20531	7.73E-06	0.077138	0.09592	-0.22983	5.15E-07
0.40297	-0.02711	0.55897	-0.00234	0.95983	-0.08923	0.05399	-0.07027	0.12941
0.20872	-0.01885	0.68445	0.012057	0.79497	-0.0207	0.65549	-0.20021	1.31E-05
0.41513	-0.0101	0.82775	-0.03382	0.4659	-0.02449	0.59756	-0.1046	0.02379
0.10562	0.15638	0.0007	0.004215	0.92762	0.046255	0.31856	-0.08576	0.06406
0.80667	0.008782	0.84988	0.013704	0.76771	0.037174	0.42287	-0.17287	0.00017
0.20277	-0.01308	0.77804	0.106059	0.02189	0.071403	0.12335	-0.05993	0.1961
0.18454	0.068322	0.14042	0.017697	0.70287	0.068706	0.1382	-0.07832	0.09091
0.06357	-0.00194	0.96663	-0.03922	0.39774	-0.04444	0.33789	-0.07591	0.10136
0.14848	-0.05721	0.2172	0.064287	0.16545	0.027018	0.5603	-0.16616	0.00031
0.17105	-0.05771	0.21317	0.170521	0.00021	0.102737	0.02641	-0.18527	5.63E-05

3.79E-05	0.302544	2.43E-11	0.232476	3.77E-07	0.150499	0.00111	-0.13609	0.00321
0.06317	0.110221	0.01718	0.022261	0.63135	0.089586	0.05303	-0.06309	0.1735
0.19051	0.096385	0.03733	0.046987	0.31095	0.012775	0.78306	-0.1052	0.02298
0.04532	0.017492	0.70616	0.038553	0.40585	0.025405	0.58395	-0.21189	3.85E-06
5.21E-06	0.245825	7.41E-08	0.226365	7.69E-07	0.067667	0.14427	-0.03532	0.44642
0.23718	-0.08821	0.05679	-0.08364	0.07095	0.020906	0.65227	-0.21191	3.84E-06
0.47834	0.047846	0.30217	0.030205	0.51496	0.026371	0.56972	-0.0355	0.44406
0.95457	0.134747	0.00353	0.069044	0.13627	0.103872	0.02478	-0.10566	0.02239
0.0016	0.299154	4.13E-11	0.076557	0.09845	0.068781	0.13777	-0.11703	0.01138
0.02014	-0.01525	0.74239	0.067039	0.14805	0.050942	0.27193	0.008563	0.85358
0.00992	-0.11161	0.01582	0.051981	0.26226	0.077284	0.09529	-0.15588	0.00072
0.37653	0.023041	0.61943	-0.04755	0.30522	-0.04094	0.37737	0.077083	0.09615
0.18184	0.130449	0.00475	0.069079	0.13607	0.054173	0.24264	-0.15827	0.0006
0.00019	0.195562	2.08E-05	0.024568	0.5964	0.234497	2.97E-07	0.010753	0.81673
0.5946	0.105353	0.02279	0.068716	0.13814	0.038093	0.41148	-0.20014	1.31E-05
0.00354	-0.02984	0.52006	0.029463	0.52534	0.061288	0.18612	-0.20613	7.09E-06
0.15323	-0.07324	0.11396	0.063576	0.17019	-0.00357	0.93866	-0.26193	9.15E-09
0.0488	-0.10277	0.02637	-0.02096	0.65137	0.067752	0.14377	-0.19984	1.36E-05
0.06142	0.263775	7.13E-09	0.128599	0.00538	0.116896	0.01147	-0.06467	0.16291
0.07059	0.069478	0.13382	0.116869	0.01149	0.008668	0.85181	-0.18719	4.69E-05
9.85E-12	0.361015	8.02E-16	-0.04935	0.28717	0.108149	0.0194	-0.08537	0.06529
0.00032	-0.08419	0.06911	0.068425	0.13983	-0.03274	0.48037	-0.19688	1.83E-05
0.15739	-0.05688	0.21983	-0.00035	0.99404	0.11962	0.00967	-0.23452	2.96E-07
0.31395	0.091915	0.04713	-0.03311	0.47539	-0.01731	0.70911	0.068019	0.1422
0.85994	0.030823	0.50639	0.020413	0.65994	0.023921	0.60611	-0.17272	0.00018
3.70E-06	0.174096	0.00016	0.206436	6.87E-06	0.064309	0.16531	-0.12905	0.00522
0.03602	0.12116	0.00877	0.068106	0.14168	0.071006	0.12546	-0.14206	0.00209
0.87581	-0.00231	0.96031	0.008976	0.8466	-0.02565	0.5804	-0.18618	5.17E-05
0.20122	0.032327	0.48587	0.038337	0.40849	0.041488	0.37103	-0.23754	2.06E-07
0.00253	-0.09167	0.04773	-0.03534	0.44607	-0.02231	0.63058	-0.28555	3.27E-10
0.49682	-0.03434	0.45907	0.022011	0.63519	-0.00968	0.8347	-0.21625	2.40E-06
0.35491	-0.00925	0.842	0.018734	0.68636	0.114073	0.01364	-0.17833	0.00011
0.74295	-0.00039	0.99322	0.137832	0.00284	-0.00646	0.88921	-0.19529	2.14E-05
0.15638	0.110099	0.01731	-0.01836	0.69237	-0.00077	0.98668	-0.09037	0.05098
0.1722	0.112783	0.01475	0.007592	0.87002	0.030595	0.50954	-0.14274	0.00199
2.38E-06	0.279023	8.47E-10	0.025732	0.57911	0.054466	0.2401	-0.25266	3.10E-08
0.07846	-0.07734	0.09504	-0.03344	0.47101	-0.0009	0.98456	0.086776	0.06096
0.97146	0.11799	0.01071	-0.0406	0.38138	0.068241	0.14089	-0.18881	4.02E-05
0.13718	0.00415	0.92873	0.047464	0.30606	0.101371	0.02849	-0.22048	1.50E-06
0.91157	0.051798	0.26394	0.026636	0.56585	0.059286	0.20094	-0.15438	0.00082
0.00971	0.310965	6.28E-12	0.101111	0.02891	0.184957	5.80E-05	0.006967	0.88065
0.62289	0.046075	0.32045	0.355555	2.31E-15	0.223212	1.10E-06	-0.07943	0.0864
2.15E-05	-0.07066	0.12732	-0.04211	0.36385	-0.03478	0.45343	-0.2317	4.14E-07
0.00016	0.276195	1.27E-09	0.041257	0.3737	0.071989	0.12029	-0.01744	0.70702
0.0892	0.212625	3.56E-06	0.113936	0.01375	0.22336	1.08E-06	-0.16373	0.00038

0.80202	-0.01685	0.71651	-0.04362	0.34688	-0.03135	0.49918	-0.14487	0.0017
0.80562	0.026229	0.57181	0.013776	0.76654	-0.00538	0.90761	-0.1182	0.01058
0.13232	0.152041	0.00098	-0.11406	0.01365	0.009673	0.83486	-0.00123	0.97888
0.00025	-0.10024	0.03032	0.089294	0.05381	0.031203	0.50117	-0.10787	0.01972
0.12852	0.088301	0.05655	0.088866	0.05498	-0.04363	0.34684	-0.25536	2.18E-08
0.00046	-0.15945	0.00054	-0.02698	0.5608	-0.06219	0.17972	-0.21582	2.51E-06
0.56246	0.012266	0.79149	-0.00221	0.96196	-0.03176	0.49359	-0.14983	0.00116
3.17E-09	0.290561	1.55E-10	0.054493	0.23987	0.072841	0.11595	-0.04689	0.31199
0.00106	0.178286	0.00011	-0.10034	0.03016	-0.02678	0.56378	-0.01629	0.72558
0.00447	0.189618	3.72E-05	0.143925	0.00182	-0.00414	0.92894	-0.23982	1.56E-07
0.59557	-0.07711	0.09603	0.00504	0.91349	0.017981	0.69835	-0.02063	0.65656
0.9611	0.012687	0.78451	0.08783	0.05788	-0.00644	0.88953	-0.19973	1.37E-05
1.31E-08	0.16961	0.00023	-0.03741	0.41989	0.004735	0.91871	0.118494	0.01038
0.00236	0.161672	0.00045	0.152548	0.00094	-0.02959	0.52361	0.040392	0.38381
4.37E-05	0.217126	2.18E-06	0.064263	0.16561	0.007567	0.87045	0.024252	0.60114
0.00035	0.170404	0.00022	0.031583	0.49596	0.052725	0.25548	-0.1896	3.73E-05
0.67725	0.035148	0.4486	0.050652	0.27467	0.031863	0.49215	-0.17978	9.36E-05
0.3242	0.127698	0.00572	0.120522	0.00913	0.000783	0.98654	-0.01783	0.70068
4.90E-08	0.337478	6.66E-14	-0.09115	0.04901	0.150847	0.00108	-0.05775	0.2129
4.52E-05	-0.13188	0.00431	0.023766	0.60845	0.03724	0.42204	-0.16387	0.00038
0.01113	-0.01994	0.66729	0.053187	0.25133	0.027374	0.55513	-0.20758	6.09E-06
0.86883	0.123824	0.00738	0.116575	0.0117	0.027185	0.55788	-0.24876	5.12E-08
0.05365	0.112513	0.01499	-0.0638	0.16871	-0.01476	0.75032	-0.18525	5.64E-05
0.00382	0.238905	1.74E-07	0.10127	0.02865	0.031924	0.49132	-0.17937	9.72E-05
0.01539	0.217579	2.07E-06	0.055975	0.2273	0.202579	1.02E-05	-0.06178	0.18261
1.70E-05	0.347498	1.06E-14	0.16665	0.0003	0.052372	0.25868	-0.1696	0.00023
0.00268	0.287708	2.37E-10	0.116665	0.01164	-0.00634	0.89128	-0.15152	0.00102
0.07262	0.122361	0.00812	0.035846	0.43963	-0.04146	0.37136	-0.0511	0.27042
0.65289	0.2172	2.16E-06	0.061111	0.1874	0.133206	0.00393	-0.13593	0.00325
0.00876	0.189763	3.67E-05	0.094652	0.0409	0.019633	0.67217	-0.04604	0.32081
0.006	-0.25778	1.59E-08	-0.13908	0.00259	-0.12199	0.00831	0.063038	0.17384
0.35552	-0.0284	0.54038	0.025235	0.58647	0.012377	0.78965	-0.19682	1.84E-05
0.59638	0.090746	0.05002	0.086904	0.06058	0.016365	0.72429	-0.11747	0.01107
0.00017	-0.18175	7.81E-05	-0.00743	0.8727	-0.14617	0.00154	0.032064	0.48943
2.73E-05	-0.22624	7.81E-07	-0.04259	0.3585	-0.05003	0.28063	-0.05187	0.26326
0.04396	0.19657	1.88E-05	0.075198	0.10459	0.029451	0.52551	-0.18053	8.74E-05
0.41953	0.134694	0.00354	0.046628	0.31466	0.080908	0.0807	-0.22037	1.52E-06
2.83E-05	-0.0952	0.03975	-0.02193	0.6364	0.053706	0.24673	-0.23084	4.57E-07
0.02445	0.109161	0.01829	0.079867	0.0847	0.024379	0.59923	-0.05692	0.21956
0.56221	0.066197	0.15322	0.068099	0.14173	-0.03021	0.5149	-0.2279	6.44E-07
0.01085	0.153037	0.00091	0.256283	1.94E-08	0.098884	0.03265	0.04432	0.33924
0.00079	0.174747	0.00015	0.120751	0.009	0.098564	0.03322	0.055533	0.231
0.11804	0.063014	0.17401	0.164356	0.00036	0.210424	4.51E-06	0.023197	0.61707
0.68726	0.042957	0.35431	0.044899	0.33296	0.042613	0.35818	-0.17338	0.00017
0.0034	-0.25305	2.95E-08	-0.18863	4.09E-05	-0.09521	0.03972	0.071636	0.12213

0.29707	-0.0061	0.89535	-0.02134	0.64552	0.091873	0.04723	-0.07362	0.11212
0.13488	0.042972	0.35415	0.010077	0.82805	0.015349	0.74078	-0.07708	0.09615
0.19814	0.033425	0.47116	0.043769	0.34529	0.032101	0.48892	-0.15133	0.00104
0.28914	0.165466	0.00033	0.033872	0.46525	-0.00764	0.8692	-0.15388	0.00085
7.54E-15	-0.39122	1.57E-18	-0.02916	0.52966	-0.08223	0.07585	-0.20834	5.62E-06
0.00395	0.190756	3.33E-05	0.049524	0.28552	0.068545	0.13913	-0.12297	0.00781
5.03E-07	-0.17705	0.00012	-0.05267	0.25598	-0.05384	0.24552	0.035516	0.44386
0.09413	0.134431	0.00361	0.051078	0.27065	0.129939	0.00492	-0.10197	0.02757
1.98E-05	-0.13022	0.00482	-0.01874	0.68632	-0.04188	0.36648	-0.19937	1.42E-05
1.26E-05	-0.17464	0.00015	-0.03083	0.50626	-0.05178	0.26413	-0.14978	0.00117
0.00408	0.022397	0.62926	0.042704	0.35716	0.055958	0.22744	-0.21798	1.98E-06
0.00904	0.26423	6.71E-09	0.065317	0.15876	0.158074	0.00061	-0.15145	0.00103
0.00118	0.202075	1.08E-05	0.017057	0.71313	-0.00792	0.86452	-0.05822	0.20916
0.95538	0.053456	0.24894	0.016893	0.71577	0.019825	0.66915	-0.19932	1.43E-05
0.13034	-0.06469	0.16283	0.021874	0.63729	0.085209	0.0658	-0.13445	0.0036
0.0071	0.000277	0.99524	0.060744	0.19007	0.011723	0.80052	-0.12711	0.00595
0.62956	0.024628	0.5955	0.116495	0.01176	0.310419	6.86E-12	-0.08951	0.05323
0.60743	0.002182	0.96249	0.026786	0.56366	0.03712	0.42354	-0.14508	0.00167
0.29171	0.050337	0.27767	0.187387	4.61E-05	-0.00516	0.91146	-0.13451	0.00359
0.03481	0.163502	0.00039	0.001848	0.96824	0.082593	0.07457	-0.16926	0.00024
0.22967	-0.24121	1.32E-07	-0.08712	0.05995	-0.09672	0.03666	0.080843	0.08095
0.02421	-0.12768	0.00573	0.029451	0.52551	-0.05073	0.2739	0.045218	0.32954
0.04192	-0.13948	0.00252	-0.01795	0.69876	-0.04183	0.36711	-0.17841	0.00011
0.47349	0.104143	0.02441	0.115619	0.01241	-0.00312	0.94642	-0.1584	0.00059
0.2196	0.015944	0.73111	0.073247	0.11393	0.043927	0.34354	-0.1625	0.00042
0.08009	0.206181	7.06E-06	0.210391	4.52E-06	0.108427	0.01909	-0.1575	0.00064
0.7279	-0.04069	0.38035	-0.05017	0.27925	-0.06219	0.17972	-0.15043	0.00111
0.01663	0.118518	0.01037	0.061144	0.18716	-0.01157	0.80311	-0.05559	0.23055
0.47594	-0.04396	0.34319	0.0822	0.07596	0.087643	0.05842	-0.26836	3.81E-09
0.1622	-0.19686	1.83E-05	0.040176	0.38636	-0.11816	0.0106	-0.01306	0.77842
0.47057	-0.0374	0.4201	0.026757	0.5641	0.034036	0.46309	0.020333	0.6612
0.94677	0.030713	0.50792	0.007172	0.87715	0.005528	0.90515	0.049868	0.28218
0.00614	-0.10746	0.0202	0.038358	0.40823	0.001219	0.97904	-0.24971	4.53E-08
0.40626	0.038831	0.40247	0.225885	8.13E-07	0.013441	0.77205	-0.24736	6.11E-08
0.03757	0.172821	0.00017	0.125308	0.0067	0.12609	0.00636	0.055092	0.23473
0.05451	-0.05999	0.19564	0.007023	0.8797	0.004271	0.92666	-0.25554	2.13E-08
0.09822	0.009052	0.84532	0.141455	0.00218	0.016736	0.7183	-0.1993	1.43E-05
0.00118	0.2218	1.29E-06	0.237636	2.03E-07	-0.07436	0.10851	0.087289	0.05945
0.00027	-0.11788	0.01079	0.001909	0.96718	-0.01837	0.6922	-0.13304	0.00397
0.17209	0.086633	0.06139	0.23492	2.82E-07	0.00702	0.87973	-0.13574	0.00329
0.00032	0.326768	4.41E-13	0.03433	0.45923	0.090464	0.05074	-0.17811	0.00011
0.30743	0.177785	0.00011	0.080722	0.08141	0.040221	0.38583	0.022572	0.62658
2.49E-06	0.465213	1.87E-26	0.058013	0.2108	0.094437	0.04136	0.006286	0.89223
0.72046	0.130499	0.00473	0.058666	0.2057	0.04334	0.35003	-0.0496	0.28481
0.76268	0.022292	0.63087	0.059747	0.19746	0.027398	0.55479	-0.05008	0.28011

0.97366	0.100002	0.03072	0.032734	0.48038	0.061309	0.18597	-0.06803	0.14213
0.3382	0.033345	0.47223	0.045956	0.32169	0.003607	0.93803	0.086189	0.06274
0.31668	0.10992	0.01749	0.041023	0.37642	0.025113	0.58828	-0.1824	7.36E-05
1.23E-06	0.341489	3.22E-14	0.109079	0.01838	0.10078	0.02944	-0.2008	1.23E-05
0.50667	-0.11243	0.01506	-0.11495	0.01293	1.51E-05	0.99974	0.103225	0.0257
0.54765	0.060537	0.19158	0.226025	8.00E-07	0.028068	0.54515	-0.15037	0.00112
0.01772	0.139417	0.00253	0.043225	0.35132	0.028853	0.53396	-0.01563	0.73619
0.00021	0.238243	1.89E-07	0.104397	0.02406	0.241411	1.28E-07	0.041204	0.37432
0.00043	-0.08543	0.06509	0.03243	0.48448	0.037166	0.42297	-0.21989	1.60E-06
0.92431	0.000479	0.99177	0.314631	3.44E-12	0.074663	0.10709	-0.20948	4.98E-06
0.7622	0.061807	0.18241	0.065173	0.15969	0.099644	0.03133	0.029485	0.52503
0.02255	0.1122	0.01527	0.004739	0.91866	-0.01926	0.67809	-0.178	0.00011
4.03E-07	-0.26959	3.21E-09	0.012693	0.78442	-0.14057	0.00233	-0.27092	2.67E-09
0.00038	0.253072	2.94E-08	0.179689	9.44E-05	0.114946	0.01293	-0.01718	0.7112
1.84E-05	-0.28211	5.42E-10	0.011108	0.81078	-0.00527	0.9096	-0.04905	0.29012
0.00237	0.272485	2.15E-09	0.027633	0.55139	0.108391	0.01913	-0.14648	0.0015
0.01579	-0.08528	0.06557	0.017973	0.69846	-0.02696	0.56108	-0.27198	2.30E-09
0.03445	0.123949	0.00732	-0.02605	0.57437	-0.04819	0.29873	-0.13189	0.0043
0.06245	0.12536	0.00668	0.033368	0.47192	0.019357	0.67651	-0.00273	0.95314
0.01197	0.174168	0.00016	-0.0124	0.78924	0.023467	0.61297	-0.00107	0.98164
0.57491	-0.10143	0.0284	-0.06484	0.16186	0.03508	0.44948	0.01523	0.74271
0.67145	0.082584	0.0746	-0.06307	0.17359	-0.13126	0.00449	-0.21003	4.70E-06
1.47E-06	-0.15909	0.00056	0.044677	0.33536	-0.03904	0.39988	-0.17173	0.00019
1.49E-05	0.168015	0.00027	0.060938	0.18865	0.000356	0.99387	-0.16956	0.00023
0.1829	-0.05424	0.24204	-0.01648	0.72247	-0.03098	0.50421	-0.26676	4.75E-09
0.0098	-0.10634	0.02154	0.081607	0.07811	0.045159	0.33017	-0.18737	4.62E-05
0.20879	-0.00433	0.92567	0.08354	0.07129	0.04943	0.28643	-0.0925	0.04572
0.51749	-0.00813	0.8609	0.029445	0.52559	0.024547	0.59671	-0.10679	0.02099
0.00195	-0.03965	0.39262	0.026259	0.57137	-0.00142	0.97554	-0.24416	9.13E-08
0.53502	0.008224	0.85931	-0.02982	0.52033	-0.0024	0.95875	-0.17039	0.00022
0.05547	-0.24373	9.63E-08	-0.02154	0.64245	-0.05923	0.20136	0.021676	0.64034
0.00173	0.173113	0.00017	0.052985	0.25315	0.016433	0.72319	0.047015	0.31066
0.1203	0.054071	0.24353	0.103731	0.02498	-0.00184	0.96841	-0.11052	0.01688
1.85E-12	-0.29485	8.04E-11	-0.02905	0.53111	-0.05058	0.27536	-0.24073	1.40E-07
1.01E-05	0.082204	0.07595	0.004064	0.93021	-0.01035	0.82355	0.053158	0.2516
0.02048	-0.17364	0.00016	0.085639	0.06444	-0.13343	0.00387	0.08348	0.07149
2.20E-08	0.230383	4.83E-07	-0.03824	0.40963	0.041348	0.37264	0.201698	1.12E-05
0.67261	0.073164	0.11434	0.014295	0.758	0.038895	0.4017	-0.22064	1.47E-06
0.01418	-0.04868	0.29379	0.023133	0.61803	0.006235	0.8931	-0.18311	6.89E-05
1.52E-06	0.084982	0.06653	-0.0786	0.08977	-0.02412	0.60317	0.172808	0.00017
0.6926	-0.05069	0.27434	-0.056	0.22709	-0.12717	0.00592	-0.07861	0.08972
0.96942	0.04423	0.34023	-0.00219	0.96236	-0.05687	0.21994	0.037296	0.42134
0.62393	0.000871	0.98502	-0.03092	0.50505	-0.01367	0.76831	-0.14475	0.00171
0.17831	0.035462	0.44455	-0.02074	0.65478	-0.06113	0.18725	-0.0709	0.12602
0.03187	-0.15244	0.00095	-0.07874	0.0892	-0.09784	0.03453	-0.13431	0.00364

0.65562	0.072487	0.11774	0.129745	0.00498	-0.00816	0.86039	-0.07338	0.11327
0.42917	0.015733	0.73453	0.427133	3.92E-22	-0.02689	0.56221	-0.05568	0.22977
0.28037	0.078233	0.09128	0.029208	0.52894	0.017449	0.70685	-0.13681	0.00305
0.00015	-0.13526	0.0034	0.053262	0.25066	0.015856	0.73253	-0.10554	0.02255
1.48E-06	-0.19755	1.71E-05	-0.0019	0.96739	0.133525	0.00384	-0.19389	2.46E-05
0.14759	0.120221	0.00931	-0.0742	0.1093	0.08297	0.07325	0.046825	0.31262
0.00103	0.096698	0.03671	0.075987	0.10099	0.021813	0.63823	0.029005	0.53181
4.08E-06	0.292959	1.07E-10	0.072885	0.11574	-0.01394	0.76375	-0.12156	0.00854
0.49942	0.076015	0.10087	0.056102	0.22625	0.011307	0.80747	-0.17619	0.00013
0.13295	0.108649	0.01884	0.166237	0.00031	0.005943	0.89808	-0.21827	1.92E-06
9.67E-06	-0.11817	0.01059	0.020021	0.66607	0.084061	0.06954	-0.25948	1.27E-08
0.00176	-0.037	0.42503	0.025215	0.58677	0.056728	0.2211	-0.22163	1.32E-06
0.89363	0.003039	0.94777	0.018903	0.68368	0.067016	0.14818	-0.17129	0.0002
0.20287	-0.02498	0.59022	0.011309	0.80742	0.027041	0.55996	-0.21758	2.07E-06
0.30859	-0.02094	0.65181	0.048713	0.29349	0.066735	0.14989	-0.25178	3.48E-08
0.03363	-0.06209	0.18038	0.004942	0.91517	0.000555	0.99046	-0.27749	1.06E-09
0.18017	-0.09506	0.04003	0.055978	0.22728	-0.00679	0.88373	-0.15487	0.00078
0.96327	0.047029	0.31051	0.054774	0.23745	0.081523	0.07842	-0.06794	0.14268
0.7035	0.013887	0.7647	0.07431	0.10876	0.027062	0.55966	-0.09345	0.04354
0.36955	0.070029	0.13076	-0.00816	0.86046	-0.015	0.74646	-0.05722	0.21713
0.02238	-0.17569	0.00014	-0.13107	0.00455	-0.02145	0.64386	-0.27448	1.62E-09
3.84E-10	-0.31371	4.00E-12	-0.07504	0.10533	-0.03399	0.46375	-0.23325	3.44E-07
0.01106	-0.24091	1.37E-07	-0.04972	0.28366	-0.06568	0.15644	0.13714	0.00298
0.03142	0.205059	7.93E-06	0.068651	0.13852	0.229403	5.41E-07	-0.02632	0.57041
0.09869	0.067055	0.14795	-0.00111	0.98098	0.073836	0.11104	-0.02245	0.62839
0.57585	0.06953	0.13353	-0.03767	0.41673	0.002739	0.95292	-0.16632	0.00031
9.41E-08	-0.14028	0.00238	0.004174	0.92831	0.005356	0.9081	-0.23485	2.84E-07
0.07728	-0.00394	0.93234	0.036776	0.42785	0.175315	0.00014	-0.08505	0.06631
0.02458	0.076953	0.09672	0.03285	0.47884	-0.01541	0.73975	-0.14701	0.00144
6.23E-05	-0.19219	2.90E-05	-0.06903	0.13637	-0.07613	0.10033	-0.13921	0.00257
0.04306	0.211551	3.99E-06	0.015368	0.74047	0.024648	0.59522	0.053285	0.25046
0.42739	0.111906	0.01554	0.176399	0.00013	0.075446	0.10345	-0.16271	0.00042
0.00154	-0.15895	0.00057	0.001061	0.98175	-0.09084	0.04978	0.140211	0.00239
0.26884	0.149854	0.00116	0.095212	0.03971	0.20561	7.49E-06	-0.18557	5.47E-05
0.02149	0.182547	7.26E-05	-0.03758	0.4178	-0.01254	0.78687	-0.1706	0.00021
3.91E-07	-0.26083	1.06E-08	0.083913	0.07003	0.032549	0.48288	-0.24426	9.02E-08
0.16596	0.068021	0.14219	0.11534	0.01263	0.048679	0.29383	-0.08194	0.0769
9.49E-10	0.323424	7.84E-13	0.019659	0.67176	0.063392	0.17143	-0.121	0.00886
0.27776	-0.01293	0.7805	0.04814	0.29921	0.023221	0.61671	-0.14407	0.0018
0.53442	0.196707	1.86E-05	0.098004	0.03423	0.08102	0.08028	-0.13317	0.00394
0.1366	0.148772	0.00126	-0.07328	0.11378	0.021672	0.64041	-0.1608	0.00049
0.00143	0.321689	1.05E-12	0.055942	0.22757	0.15777	0.00062	-0.0723	0.11867
0.75431	0.026866	0.5625	0.031912	0.49148	0.023024	0.6197	-0.19801	1.63E-05
0.00248	0.203531	9.29E-06	0.052719	0.25553	0.021861	0.63749	-0.19425	2.37E-05
0.00048	-0.18059	8.69E-05	-0.00871	0.85117	-0.00253	0.95654	-0.24067	1.41E-07

0.93676	0.134596	0.00357	0.083672	0.07084	0.019317	0.67715	-0.16371	0.00038
0.73531	0.01787	0.70011	0.0324	0.48488	0.000529	0.9909	-0.1946	2.29E-05
0.02368	0.02192	0.63658	-0.00377	0.93525	0.038723	0.40378	-0.01303	0.77887
0.62591	-0.01142	0.80557	0.084715	0.06739	0.034313	0.45946	-0.12301	0.00778
0.26963	-0.06045	0.19219	0.014254	0.75867	0.106206	0.02171	-0.12154	0.00856
0.27842	0.059681	0.19795	0.006401	0.89027	-0.02356	0.61152	-0.16796	0.00027
0.41396	-0.04216	0.36337	0.045286	0.32881	-0.08696	0.06042	-0.22502	8.97E-07
0.00377	0.117292	0.01119	0.029236	0.52853	0.065314	0.15878	-0.09562	0.03887
0.79841	0.000923	0.98413	-0.03279	0.47961	-0.02435	0.59972	-0.11692	0.01145
0.33362	-0.00069	0.98809	0.118877	0.01013	-0.0584	0.20776	-0.14471	0.00172
0.34786	0.023108	0.61842	-0.02083	0.65341	-0.02244	0.62854	-0.22248	1.20E-06
0.43568	0.037902	0.41383	0.162484	0.00042	0.170314	0.00022	-0.23197	4.00E-07
0.00221	0.095157	0.03983	-0.01585	0.7326	-0.04735	0.30717	-0.11977	0.00958
0.04365	-0.03406	0.46277	0.017711	0.70266	-0.00504	0.91344	-0.26869	3.64E-09
0.07239	-0.01576	0.73415	0.071754	0.12151	0.022045	0.63466	-0.27825	9.47E-10
0.26933	0.052787	0.25492	0.017867	0.70016	-0.00972	0.83413	-0.26586	5.37E-09
1.10E-05	0.299733	3.78E-11	0.069985	0.13099	0.098278	0.03373	-0.05655	0.22256
0.02538	-0.05432	0.24133	0.070798	0.12657	0.041429	0.37171	-0.08827	0.05664
0.10844	0.175146	0.00014	0.261672	9.47E-09	0.152692	0.00093	0.097949	0.03433
0.55447	0.01934	0.67678	0.112065	0.0154	0.160092	0.00052	-0.10748	0.02017
0.5156	0.081955	0.07684	0.081298	0.07925	0.062107	0.1803	-0.05535	0.23251
5.03E-05	0.198424	1.56E-05	0.068523	0.13926	0.068675	0.13838	0.093657	0.04308
0.26156	-0.00584	0.89982	0.034488	0.45717	0.022755	0.62379	-0.17184	0.00019
0.14881	-0.05033	0.27774	0.057091	0.21815	0.01744	0.70699	-0.19734	1.74E-05
0.01743	0.169628	0.00023	0.033688	0.46768	-0.00073	0.98752	0.021149	0.64849
0.0014	-0.13719	0.00297	0.168646	0.00025	0.020987	0.65101	-0.19885	1.50E-05
0.2654	-0.09157	0.04797	0.004342	0.92544	-0.04618	0.31935	-0.2387	1.79E-07
0.01641	0.191232	3.18E-05	0.148923	0.00125	0.071279	0.124	-0.11203	0.01543
0.67967	-0.00177	0.9695	0.032303	0.48619	0.065798	0.15572	-0.22025	1.54E-06
0.09665	-0.01491	0.74799	0.060783	0.18978	0.002905	0.95007	-0.15197	0.00099
0.00384	-0.07299	0.11519	0.038852	0.40222	-0.01447	0.75507	-0.23263	3.70E-07
0.00179	-0.13233	0.00417	0.096812	0.03649	-0.02932	0.52736	-0.26036	1.13E-08
0.64319	-0.05302	0.25284	-0.03112	0.50228	-0.02904	0.53124	-0.18557	5.47E-05
2.33E-06	0.331199	2.04E-13	0.08477	0.06721	0.102516	0.02674	-0.11166	0.01577
1.43E-05	0.339478	4.64E-14	0.062746	0.17584	0.048607	0.29454	-0.08912	0.05427
0.03394	0.17374	0.00016	0.102637	0.02656	0.035612	0.44263	-0.15565	0.00074
0.7781	0.056793	0.22057	-0.00227	0.96102	0.041489	0.37101	-0.17659	0.00012
1.03E-05	0.302033	2.63E-11	0.186638	4.95E-05	0.116583	0.01169	-0.13783	0.00284
0.78075	0.060609	0.19105	0.027266	0.5567	0.090613	0.05036	-0.09278	0.04508
0.90013	0.087258	0.05954	0.085167	0.06593	-0.01078	0.81624	-0.10732	0.02035
0.87919	0.03255	0.48286	0.026249	0.57151	-0.02372	0.60921	-0.2579	1.56E-08
0.5353	-0.00275	0.95272	-0.00738	0.87367	-1.69E-05	0.99971	-0.05638	0.22393
0.36927	-0.04297	0.35421	-0.00425	0.92699	-0.03563	0.44239	-0.21851	1.87E-06
8.79E-07	-0.22285	1.15E-06	0.004733	0.91875	-0.04382	0.34472	-0.2069	6.54E-06
0.90581	0.039196	0.39807	0.252698	3.09E-08	0.01254	0.78695	-0.23936	1.65E-07

0.00448	0.175863	0.00013	0.25197	3.39E-08	-0.00804	0.86245	-0.09956	0.03146
0.26862	-0.03829	0.40908	0.101634	0.02808	0.074358	0.10854	-0.14867	0.00127
8.51E-12	-0.31748	2.14E-12	0.016806	0.71718	-0.06137	0.18552	-0.27003	3.02E-09
0.27816	0.026282	0.57103	0.070622	0.12751	-0.11575	0.01231	-0.14068	0.00231
6.64E-07	0.313236	4.33E-12	0.110474	0.01693	0.123094	0.00774	-0.03824	0.40972
0.00028	0.185398	5.56E-05	-0.00629	0.89218	-0.04407	0.34197	-0.13127	0.00449
0.00245	0.185167	5.68E-05	0.045506	0.32646	0.016649	0.71971	-0.14597	0.00156
0.01475	0.118832	0.01016	-0.04482	0.33385	-0.04052	0.3823	0.007749	0.86737
0.02788	0.096628	0.03685	0.094646	0.04091	-0.0018	0.969	-0.06309	0.17351
0.03269	-0.07035	0.129	0.081195	0.07963	0.067922	0.14277	-0.20681	6.61E-06
0.4287	-0.02266	0.6253	0.066614	0.15064	-0.02304	0.61944	-0.22125	1.38E-06
0.76068	0.018957	0.68283	0.022148	0.63308	0.012003	0.79586	-0.2653	5.80E-09
0.87916	0.006995	0.88017	0.032649	0.48153	-0.00138	0.97633	-0.13345	0.00386
0.97488	0.065089	0.16023	0.028631	0.53711	-0.01298	0.77966	0.115483	0.01252
0.98704	0.181874	7.72E-05	0.075843	0.10164	0.099297	0.03192	0.019205	0.6789
0.7673	0.068328	0.14039	0.051183	0.26967	0.050263	0.27838	-0.09233	0.04613
0.16451	0.124844	0.00691	0.106613	0.0212	0.021999	0.63536	-0.08515	0.066
0.90426	0.001714	0.97053	0.01312	0.77735	-0.00059	0.98982	-0.10408	0.02449
0.22363	-0.07812	0.09177	-0.01957	0.67313	-0.0488	0.29258	0.09826	0.03376
1.44E-06	0.338896	5.16E-14	-0.03853	0.40619	0.151566	0.00102	-0.01065	0.81853
0.71225	0.098645	0.03307	0.097311	0.03553	0.030525	0.51052	-0.18294	7.00E-05
0.15666	0.088445	0.05614	-0.09541	0.0393	0.137839	0.00284	-0.16639	0.0003
0.40192	0.064594	0.16344	0.02392	0.60613	-0.01131	0.80737	-0.19341	2.57E-05
0.48348	-0.01634	0.72476	-0.00165	0.97161	-0.02318	0.61727	-0.21199	3.81E-06
0.89211	0.020028	0.66596	0.005242	0.91004	0.012494	0.7877	-0.16113	0.00047
0.19713	-0.03547	0.44441	0.002789	0.95207	0.049325	0.28746	-0.14543	0.00163
6.09E-05	-0.09924	0.03202	-0.04132	0.37291	-0.00255	0.95619	-0.16846	0.00026
0.86282	0.065905	0.15504	0.046448	0.31653	-0.00034	0.99416	-0.06363	0.16981
0.06004	-0.07451	0.10783	-0.02179	0.63861	0.012658	0.78499	-0.18535	5.59E-05
0.003	0.197461	1.72E-05	-0.00058	0.98998	-0.01512	0.74448	-0.1405	0.00234
0.03066	0.20729	6.28E-06	0.058901	0.20389	0.010217	0.82572	-0.17518	0.00014
0.15427	-0.04842	0.29637	0.101053	0.029	0.093181	0.04415	-0.14277	0.00198
0.00025	-0.14303	0.00194	0.054343	0.24116	0.017058	0.71313	-0.23657	2.31E-07
0.37813	0.086943	0.06047	0.043058	0.35319	0.024108	0.6033	-0.22216	1.24E-06
9.42E-07	0.339524	4.60E-14	0.057016	0.21876	0.097122	0.03589	-0.02496	0.59055
2.37E-11	-0.27148	2.47E-09	-0.04601	0.32114	-0.04495	0.33241	-0.29294	1.08E-10
0.06848	0.087144	0.05987	0.089711	0.0527	0.038538	0.40604	-0.08444	0.0683
0.05432	0.153271	0.00089	0.295665	7.10E-11	0.121687	0.00848	-0.16368	0.00038
0.25527	0.04434	0.33902	0.065539	0.15735	0.124092	0.00726	-0.21387	3.11E-06
0.91789	0.047288	0.30786	0.107171	0.02053	0.066637	0.1505	-0.13045	0.00475
0.00098	-0.1269	0.00603	-0.0086	0.85288	-0.01615	0.72773	-0.28979	1.73E-10
2.72E-07	0.347624	1.04E-14	0.14038	0.00236	0.105174	0.02302	-0.02153	0.64266
0.00222	0.210073	4.68E-06	-0.00222	0.96186	0.030952	0.50462	-0.07086	0.12625
0.55274	0.076954	0.09672	-0.00972	0.83406	0.047925	0.30138	-0.14582	0.00158
0.74837	-0.03955	0.39383	-0.1033	0.02559	-0.12703	0.00598	-0.14431	0.00177



6.67E-09	-0.23168	4.14E-07	-0.02162	0.64117	0.010953	0.81338	0.011854	0.79835
0.02315	0.248095	5.57E-08	0.11034	0.01706	0.233703	3.26E-07	-0.03221	0.48744
0.09718	0.04697	0.31112	-0.02371	0.60935	-0.04562	0.32529	-0.03612	0.43619
2.11E-09	0.326954	4.27E-13	0.017243	0.71015	0.032931	0.47774	0.011636	0.80198
5.36E-07	0.381026	1.39E-17	0.066055	0.1541	0.075839	0.10166	0.040346	0.38435
0.01402	0.237896	1.97E-07	0.048157	0.29904	0.047678	0.30387	0.011685	0.80117
0.13092	0.051937	0.26266	-0.00086	0.98524	0.105051	0.02318	-0.14214	0.00208
0.1269	-0.08381	0.07038	-0.01844	0.69097	-0.04668	0.31409	-0.25022	4.25E-08
0.00062	-0.07432	0.1087	0.024054	0.60411	0.071517	0.12275	-0.24602	7.23E-08
3.44E-09	-0.20307	9.74E-06	-0.00976	0.83336	0.027084	0.55934	-0.2073	6.27E-06
3.09E-06	0.252533	3.16E-08	0.048614	0.29447	0.046598	0.31497	0.086117	0.06296
1.58E-06	0.315308	3.07E-12	0.119865	0.00952	0.107938	0.01964	-0.03743	0.41966
0.00123	0.20208	1.08E-05	0.078147	0.09164	0.02282	0.6228	0.16019	0.00051
0.00414	-0.14575	0.00159	-0.04428	0.33965	-0.06374	0.1691	-0.29242	1.17E-10
0.76144	0.114196	0.01354	0.29176	1.29E-10	0.05594	0.22759	-0.09238	0.04602
0.92471	0.072285	0.11877	0.047755	0.30309	0.082794	0.07386	-0.00997	0.82985
0.48571	0.076194	0.10006	0.024538	0.59686	0.029019	0.5316	-0.17917	9.90E-05
1.90E-07	-0.14575	0.00159	0.024922	0.59113	-0.04504	0.33148	-0.2593	1.30E-08
0.02577	-0.07435	0.10857	0.037952	0.41322	-0.03839	0.40778	-0.21222	3.72E-06
0.08015	0.196653	1.87E-05	0.026063	0.57425	0.122845	0.00787	-0.04295	0.35438
0.09552	-0.14955	0.00119	-0.12492	0.00687	-0.0648	0.16209	0.043753	0.34546
0.08947	0.060022	0.1954	-0.00475	0.91845	-0.0357	0.44149	-0.02753	0.55283
0.05702	0.205512	7.57E-06	0.077707	0.09348	0.0752	0.10458	-0.1018	0.02783
0.36857	0.060695	0.19042	0.076624	0.09816	0.020106	0.66475	-0.09239	0.046
0.41734	0.051944	0.2626	0.05744	0.21535	0.055078	0.23485	-0.15531	0.00076
1.07E-05	0.370801	1.14E-16	0.057781	0.21263	0.170905	0.00021	-0.18542	5.55E-05
0.00308	0.276796	1.17E-09	0.12734	0.00586	0.08478	0.06718	0.086801	0.06089
4.96E-05	0.319625	1.49E-12	0.15601	0.00072	0.08818	0.05689	-0.09269	0.04528
0.3943	0.201666	1.13E-05	0.057362	0.21598	0.123504	0.00754	-0.08372	0.07069
8.72E-07	0.343944	2.05E-14	0.095316	0.0395	0.067382	0.14598	-0.0481	0.29965
0.7696	0.069739	0.13236	0.04433	0.33914	0.022595	0.62623	-0.21505	2.73E-06
0.00547	0.254079	2.58E-08	0.015608	0.73657	0.076173	0.10016	-0.03841	0.40757
3.36E-06	0.18095	8.41E-05	0.073501	0.11268	-0.03103	0.50348	0.010542	0.82027
0.1491	-0.11079	0.01662	0.227658	6.63E-07	-0.02391	0.60627	-0.23098	4.50E-07
0.07526	-0.08142	0.07879	-0.05638	0.22398	0.04555	0.32599	0.026166	0.57273
0.03961	-0.10069	0.02959	-0.06212	0.18024	-0.03984	0.39034	-0.27842	9.23E-10
0.04113	0.255979	2.02E-08	0.153386	0.00088	0.102922	0.02614	-0.03005	0.51717
0.00818	0.101718	0.02795	0.004817	0.91732	0.105179	0.02302	-0.01752	0.70563
0.70562	-0.14146	0.00218	-0.09907	0.03232	-0.10416	0.02438	0.043947	0.34333
0.09752	0.269337	3.33E-09	0.045244	0.32925	0.157761	0.00062	-0.04819	0.29872
0.0278	0.254329	2.50E-08	-0.02046	0.65928	0.057043	0.21855	-0.16878	0.00025
0.39365	-0.00578	0.90084	0.1384	0.00272	0.060148	0.19446	-0.07248	0.11776
1.18E-09	0.431732	1.26E-22	0.185675	5.42E-05	0.1555	0.00075	-0.08402	0.06968
0.00483	0.188724	4.05E-05	0.071946	0.12052	0.06707	0.14786	0.035025	0.45019
1.07E-05	-0.15167	0.00101	0.005176	0.91118	-0.04781	0.30249	-0.238	1.95E-07

0.20058	-0.04712	0.30957	-0.20864	5.44E-06	0.085301	0.06551	-0.02705	0.55978
0.48417	0.034355	0.45891	-0.03015	0.51568	0.090551	0.05051	-0.05522	0.23361
0.35919	0.103781	0.02491	0.116442	0.0118	0.058791	0.20473	-0.17532	0.00014
0.42958	0.001926	0.96688	-0.04494	0.33256	0.024867	0.59195	-0.04949	0.28587
0.44459	0.070078	0.13049	-0.01516	0.74386	0.066773	0.14967	-0.24768	5.87E-08
0.72807	0.022773	0.62352	0.148779	0.00126	0.166138	0.00031	-0.05689	0.2198
0.39995	0.064458	0.16433	0.075646	0.10253	0.06541	0.15817	-0.07765	0.09371
0.10033	-0.06891	0.13704	0.021528	0.64262	-0.03282	0.47918	-0.27085	2.70E-09
0.82915	-0.07974	0.0852	-0.05499	0.23563	-0.06838	0.1401	-0.07806	0.09198
0.37477	0.003667	0.93701	0.020509	0.65844	-0.05605	0.22665	-0.16182	0.00045
0.2816	-0.08222	0.07589	-0.09253	0.04567	-0.03167	0.49481	-0.00896	0.84695
0.87368	0.025864	0.57717	0.049772	0.28311	0.11568	0.01236	-0.10669	0.02111
0.06093	0.070715	0.12701	-0.00022	0.99627	-0.05879	0.20474	-0.11116	0.01625
0.32232	0.092859	0.04489	0.066638	0.15049	0.118862	0.01014	-0.14057	0.00233
7.23E-07	0.351771	4.76E-15	0.168771	0.00025	0.080499	0.08225	-0.05399	0.24421
0.99788	0.024807	0.59284	0.071619	0.12221	-0.0419	0.36632	-0.16835	0.00026
0.48937	0.060166	0.19433	0.039372	0.39595	0.007268	0.87552	-0.13076	0.00465
0.18554	0.000445	0.99235	0.063214	0.17264	-0.01445	0.75546	-0.19105	3.24E-05
0.77674	-0.04339	0.34953	-0.01403	0.76235	0.012028	0.79545	-0.08749	0.05887
1.01E-05	-0.19222	2.89E-05	0.015347	0.7408	0.015809	0.7333	-0.2406	1.42E-07
0.32249	0.247847	5.75E-08	0.017993	0.69815	0.182544	7.26E-05	-0.05747	0.21509
0.83331	0.053151	0.25166	0.041719	0.36838	-0.00361	0.93795	-0.21287	3.46E-06
0.2133	0.043896	0.34388	-0.07299	0.11522	-0.12086	0.00894	-0.1644	0.00036
0.03745	0.137677	0.00287	0.048725	0.29337	0.10824	0.0193	-0.11915	0.00996
0.02043	-9.97E-05	0.99829	-0.01481	0.7495	0.01652	0.72179	-0.2651	5.95E-09
0.77187	0.094199	0.04188	-0.02207	0.63431	0.063809	0.16862	-0.03262	0.48189
0.55622	0.004703	0.91926	-0.023	0.62002	-0.01973	0.67069	-0.18418	6.23E-05
0.30738	0.084053	0.06956	-0.05733	0.21625	-0.08411	0.06937	0.006345	0.89123
0.02683	-0.10944	0.01799	-0.00651	0.88835	-0.01067	0.81804	-0.20022	1.30E-05
0.28892	0.01255	0.78678	0.053631	0.2474	-0.02027	0.6622	-0.04088	0.37808
0.00111	0.184578	6.01E-05	0.045037	0.33147	0.026968	0.56102	-0.0185	0.69008
0.02434	0.109263	0.01818	-0.04953	0.2855	-0.02181	0.63833	-0.03959	0.39328
0.18665	0.142431	0.00203	0.026416	0.56908	0.057292	0.21654	0.004791	0.91776
0.00046	-0.1845	6.05E-05	-0.11349	0.01413	-0.0186	0.68856	0.07588	0.10147
5.07E-06	0.25535	2.19E-08	0.176664	0.00012	0.25846	1.45E-08	0.04645	0.31652
0.95374	0.045113	0.33066	0.012362	0.7899	-0.00797	0.86355	-0.0074	0.8733
0.70204	0.15627	0.0007	0.063558	0.17031	0.012651	0.7851	0.001365	0.97654
4.50E-05	-0.1662	0.00031	0.037353	0.42063	-0.00445	0.92352	-0.26482	6.19E-09
0.40351	0.136855	0.00304	0.035837	0.43975	0.20535	7.69E-06	-0.17488	0.00015
0.21099	0.113599	0.01404	0.048297	0.29763	-0.03645	0.43196	-0.12706	0.00597
0.01672	-0.09668	0.03675	-0.08022	0.08331	-0.11947	0.00976	-0.03653	0.43098
0.00295	-0.02408	0.60366	-0.02006	0.66553	0.022496	0.62775	0.099687	0.03125
0.24501	0.137297	0.00295	0.081634	0.07801	0.025558	0.58169	-0.13453	0.00358
0.00427	0.263495	7.41E-09	-0.02138	0.64489	0.149658	0.00118	-0.04903	0.29035
0.16254	0.002612	0.9551	0.014567	0.75354	0.102062	0.02742	-0.22761	6.66E-07

9.96E-11	0.253233	2.88E-08	-0.06332	0.1719	-0.12158	0.00854	0.253752	2.69E-08
0.56552	0.03456	0.45624	0.039137	0.39878	0.007081	0.8787	-0.1359	0.00325
0.00015	-0.14358	0.00187	-0.03345	0.47078	-0.02439	0.5991	-0.28108	6.29E-10
0.0762	-0.09003	0.05187	0.013297	0.77442	-0.03897	0.40083	-0.19589	2.01E-05
0.15717	0.064233	0.16581	0.069521	0.13357	0.042505	0.35941	-0.06458	0.16351
9.72E-07	-0.27393	1.75E-09	0.010858	0.81497	-0.03565	0.44216	-0.12524	0.00673
0.52429	0.066365	0.15217	0.008984	0.84647	0.030616	0.50926	-0.23924	1.67E-07
0.01602	-0.14322	0.00192	0.04786	0.30204	0.059691	0.19788	0.002014	0.96538
0.00044	-0.22483	9.17E-07	-0.05405	0.24373	-0.026	0.57513	0.038452	0.40708
0.01425	-0.238	1.95E-07	-0.06859	0.13889	-0.07841	0.09053	0.092871	0.04486
9.66E-11	0.3406	3.79E-14	0.045751	0.32386	-0.03167	0.49474	0.141259	0.00221
0.01662	0.207651	6.05E-06	0.016655	0.71961	0.061355	0.18564	-0.10293	0.02612
0.88646	0.064189	0.1661	0.109163	0.01829	0.041568	0.37011	-0.08386	0.07021
0.00977	0.124738	0.00696	-0.04775	0.30315	0.004294	0.92627	0.028298	0.54186
0.03154	-0.21924	1.72E-06	0.018565	0.68904	-0.00081	0.98606	-0.19001	3.58E-05
0.10969	0.158631	0.00058	0.079262	0.08709	-0.00213	0.96332	-0.06529	0.15895
0.40132	-0.00396	0.93201	0.03057	0.5099	0.02169	0.64012	-0.09027	0.05123
0.87559	0.123559	0.00751	0.063612	0.16995	0.016679	0.71923	-0.17827	0.00011
0.00438	0.187925	4.38E-05	-0.09039	0.05093	0.090995	0.04939	-0.24546	7.76E-08
0.24289	0.007799	0.86652	-0.05919	0.20165	0.044666	0.33548	-0.21319	3.35E-06
0.00126	-0.14955	0.00119	-0.00102	0.98245	-0.02353	0.61194	-0.26991	3.08E-09
0.00284	-0.13843	0.00272	-0.00351	0.93963	0.000159	0.99727	-0.05129	0.26867
3.34E-07	-0.16196	0.00044	-0.03255	0.4829	0.014923	0.74772	-0.26792	4.05E-09
0.78085	0.040945	0.37732	0.020633	0.65651	0.064792	0.16215	-0.21444	2.92E-06
2.73E-07	0.262151	8.88E-09	-0.02626	0.57133	0.003447	0.94077	0.288477	2.11E-10
0.17251	-0.05278	0.255	0.005309	0.9089	-0.00875	0.85049	-0.27554	1.39E-09
0.84905	0.044177	0.34081	0.052922	0.25371	0.057363	0.21597	-0.19663	1.87E-05
0.00044	-0.19512	2.17E-05	0.3285	3.26E-13	0.015933	0.73129	-0.221	1.42E-06
0.88544	0.002797	0.95192	0.031926	0.4913	0.015815	0.73321	-0.14919	0.00122
0.0769	0.234619	2.92E-07	0.204923	8.04E-06	0.142025	0.00209	-0.1105	0.01691
0.76134	-0.03275	0.48016	0.150219	0.00113	-0.02932	0.52737	-0.21776	2.03E-06
0.00392	0.184092	6.28E-05	0.062015	0.18094	-0.03503	0.45012	-0.07025	0.12957
8.01E-05	0.328851	3.07E-13	0.13773	0.00286	0.060205	0.19403	-0.00767	0.86871
0.03259	-0.03451	0.45687	0.016966	0.71461	0.053274	0.25056	-0.16621	0.00031
0.98325	0.143003	0.00195	0.024641	0.59531	0.21456	2.88E-06	-0.23082	4.58E-07
0.45038	0.074696	0.10694	0.00265	0.95446	0.05746	0.21519	0.075099	0.10505
4.79E-08	-0.17374	0.00016	-0.09013	0.0516	-0.06032	0.19321	-0.19111	3.22E-05
0.00118	0.231606	4.18E-07	0.037553	0.41814	0.075198	0.10459	-0.22335	1.09E-06
0.00132	0.271581	2.44E-09	0.032924	0.47784	0.187179	4.70E-05	-0.21718	2.16E-06
1.48E-05	0.190744	3.34E-05	0.173651	0.00016	0.137908	0.00282	-0.10443	0.02402
0.01598	0.163163	0.0004	0.030688	0.50826	0.031979	0.49058	-0.07567	0.10243
0.00435	0.204303	8.58E-06	0.074207	0.10926	0.044622	0.33596	0.005723	0.90183
7.24E-07	0.329103	2.94E-13	0.093064	0.04442	0.172846	0.00017	0.063105	0.17339
0.0078	-0.15642	0.00069	-0.05198	0.26224	-0.039	0.40044	0.144031	0.00181
1.75E-13	-0.33201	1.76E-13	0.022583	0.62642	-0.10139	0.02847	-0.20634	6.94E-06

0.99204	0.127749	0.0057	0.236573	2.31E-07	0.076247	0.09983	-0.24659	6.73E-08
0.42647	0.162027	0.00044	0.031691	0.49449	0.074867	0.10613	-0.13278	0.00405
0.00023	-0.17471	0.00015	-0.04667	0.31422	-0.07821	0.09138	-0.26205	9.00E-09
0.06981	0.125007	0.00683	0.005132	0.91193	-0.00904	0.84549	-0.08447	0.06819
0.33817	-0.10367	0.02507	-0.10493	0.02335	-0.1032	0.02573	-0.15469	0.0008
4.35E-06	0.284237	3.96E-10	0.087124	0.05993	0.094368	0.04151	-0.04661	0.31481
0.02606	0.182636	7.20E-05	0.097455	0.03526	0.022415	0.62898	-0.15634	0.0007
0.16051	0.04035	0.3843	0.038293	0.40903	0.078133	0.09169	0.075139	0.10486
7.93E-07	0.265803	5.41E-09	0.037575	0.41787	0.062313	0.17885	0.023476	0.61283
0.81356	0.027861	0.54812	0.009478	0.83815	-0.02716	0.55816	-0.16953	0.00023
0.05503	-0.08411	0.06938	0.02667	0.56536	0.045131	0.33047	-0.21145	4.04E-06
0.60775	-0.04992	0.28166	-0.09667	0.03676	-0.05497	0.23575	0.128089	0.00557
0.66886	0.034544	0.45644	0.100783	0.02943	0.090349	0.05103	-0.20255	1.03E-05
0.54875	-0.01357	0.76984	-0.15439	0.00082	-0.05185	0.26348	0.023677	0.60979
0.72779	0.106702	0.0211	0.2579	1.57E-08	0.156818	0.00067	-0.10908	0.01838
0.17412	0.101652	0.02806	0.178861	0.0001	-0.07711	0.09605	-0.21765	2.06E-06
0.04422	0.136322	0.00316	0.01841	0.69151	0.100298	0.03023	-0.1812	8.22E-05
0.03512	-0.12615	0.00634	0.170644	0.00021	0.017031	0.71356	-0.15508	0.00077
0.002	0.228465	6.03E-07	0.042115	0.36384	-0.05751	0.21483	0.016012	0.73001
0.06438	-0.07075	0.12682	-0.05794	0.21136	-0.00978	0.83304	-0.18616	5.18E-05
0.00497	-0.06523	0.15933	0.02985	0.51991	0.115443	0.01255	-0.19642	1.91E-05
0.18238	-0.06202	0.1809	0.246461	6.84E-08	0.055394	0.23217	-0.18598	5.26E-05
4.13E-07	0.116496	0.01176	0.011772	0.79971	-0.12477	0.00694	-0.0154	0.73999
0.34469	-0.04267	0.35756	0.027597	0.55192	-0.00892	0.84753	-0.21161	3.97E-06
0.00121	0.294721	8.21E-11	0.124245	0.00718	0.275053	1.49E-09	0.032107	0.48884
0.24439	0.139488	0.00252	0.037396	0.4201	0.122231	0.00819	-0.19586	2.02E-05
0.04824	0.021304	0.64609	0.100725	0.02953	0.074246	0.10907	-0.24088	1.37E-07
0.35032	0.152138	0.00097	0.137012	0.00301	0.03425	0.46028	-0.17925	9.83E-05
1.12E-20	0.498127	1.18E-30	0.124744	0.00695	0.151226	0.00104	-0.06911	0.13589
0.00014	-0.06435	0.16503	0.235827	2.53E-07	-0.02985	0.51992	-0.16252	0.00042
0.78212	0.104316	0.02417	0.101307	0.0286	0.090204	0.05141	0.09121	0.04885
0.8058	-0.01359	0.76953	0.003695	0.93653	-0.03454	0.4565	-0.1275	0.00579
0.00984	0.231646	4.16E-07	0.329269	2.86E-13	0.137549	0.0029	-0.0751	0.10504
0.04368	-0.05854	0.20665	0.069109	0.1359	0.049258	0.28811	-0.19689	1.82E-05
0.9953	0.18837	4.19E-05	0.037935	0.41343	0.064193	0.16607	-0.02412	0.60311
0.93835	0.126436	0.00622	0.017059	0.71311	0.195287	2.14E-05	-0.21941	1.69E-06
0.00318	0.158936	0.00057	0.081581	0.07821	0.206103	7.11E-06	-0.00971	0.8343
0.10905	0.144403	0.00176	0.027327	0.55581	0.08909	0.05437	-0.11712	0.01131
0.44565	0.13384	0.00376	0.040887	0.378	0.032915	0.47796	-0.05816	0.20968
0.02021	0.0131	0.77768	-0.00202	0.96521	0.169445	0.00023	-0.19874	1.51E-05
0.90593	0.005292	0.9092	-0.05201	0.26201	0.009145	0.84374	-0.17043	0.00022
0.30716	0.049101	0.28966	-0.03739	0.42015	-0.03006	0.51703	0.153429	0.00088
2.91E-05	0.339467	4.65E-14	0.201233	1.18E-05	0.160425	0.0005	-0.06538	0.15833
5.25E-05	0.262947	7.98E-09	0.033336	0.47235	0.032111	0.48879	0.058077	0.2103
0.45198	0.012566	0.78651	0.009846	0.83195	-0.00615	0.89455	-0.12596	0.00642

0.38625	6.16E-05	0.99894	0.090209	0.05139	-0.02433	0.59994	-0.03514	0.44873
0.01414	0.119126	0.00998	0.043055	0.35322	0.033341	0.47228	0.028899	0.53331
0.00071	-0.1243	0.00716	-0.00571	0.90204	0.006709	0.88502	-0.14365	0.00186
0.00518	0.14362	0.00186	-0.03653	0.43099	-0.04481	0.33389	-0.11234	0.01515
0.00666	-0.0687	0.13826	0.005542	0.90492	-0.01383	0.76569	-0.16302	0.0004
9.00E-05	0.176838	0.00012	0.07662	0.09818	0.016205	0.72688	-0.00564	0.90321
0.13977	-0.18146	8.03E-05	-0.09236	0.04605	-0.1232	0.00769	-0.17796	0.00011
0.00059	0.168816	0.00025	0.036134	0.43596	0.053656	0.24718	-0.09662	0.03686
0.38093	0.093332	0.04381	0.102264	0.02712	0.09849	0.03335	-0.1106	0.0168
0.00024	0.347236	1.12E-14	0.014748	0.75058	0.162796	0.00041	-0.11395	0.01374
0.04701	0.276497	1.22E-09	-0.08156	0.07827	0.057031	0.21864	0.155596	0.00074
0.3258	0.17225	0.00018	0.091168	0.04896	0.15384	0.00085	-0.18654	4.99E-05
0.00027	0.314953	3.26E-12	0.153205	0.0009	0.138174	0.00277	-0.12669	0.00611
0.15365	0.024876	0.5918	-0.00601	0.89695	-0.03868	0.40436	-0.153	0.00091
0.02275	-0.00032	0.99449	0.125979	0.00641	0.072609	0.11712	-0.20362	9.21E-06
1.40E-05	0.372117	8.75E-17	0.312205	5.13E-12	0.13698	0.00301	-0.11319	0.01439
0.01229	-0.09395	0.04242	0.048156	0.29905	-0.01545	0.73905	-0.24787	5.73E-08
0.01182	0.316514	2.52E-12	0.07985	0.08476	0.174043	0.00016	-0.14102	0.00225
0.00384	-0.10148	0.02832	-0.14811	0.00133	-0.05213	0.26087	-0.26252	8.45E-09
0.6165	-0.15482	0.00079	-0.1024	0.02691	-0.12327	0.00765	0.012997	0.77938
0.56763	-0.0304	0.51221	0.022589	0.62632	-0.0028	0.95191	-0.19493	2.22E-05
0.14274	-0.05623	0.22517	0.106742	0.02105	-0.04546	0.32699	-0.22336	1.08E-06
0.18103	0.02568	0.57988	0.016553	0.72125	0.110366	0.01704	-0.21197	3.82E-06
0.12281	-0.03763	0.41717	0.038167	0.41058	-0.01897	0.68267	-0.20407	8.79E-06
2.38E-05	-0.20582	7.33E-06	-0.0863	0.06239	-0.04068	0.38048	-0.27819	9.55E-10
0.23481	0.049631	0.28447	0.061667	0.18341	0.023163	0.61758	-0.09963	0.03135
0.49108	-0.0307	0.50815	0.068596	0.13883	-0.00796	0.86376	-0.1859	5.30E-05
7.01E-10	0.326498	4.62E-13	0.110923	0.01648	0.15578	0.00073	-0.04131	0.37304
0.08279	0.126972	0.006	0.071514	0.12277	0.017634	0.70388	-0.06521	0.15944
4.52E-06	-0.2778	1.01E-09	0.048532	0.29529	-0.04872	0.29339	0.011935	0.79699
1.50E-16	0.42639	4.71E-22	0.099642	0.03133	0.103526	0.02527	-0.11126	0.01615
2.19E-06	-0.21294	3.44E-06	0.027107	0.559	-0.07634	0.09939	-0.34815	9.41E-15
0.07019	-0.0841	0.06939	-0.00938	0.83987	0.095013	0.04013	-0.22201	1.26E-06
0.61321	-0.00689	0.88187	-0.01894	0.68304	-0.01914	0.68	-0.20466	8.27E-06
0.87602	0.050435	0.27674	0.03772	0.41609	0.022077	0.63417	-0.12981	0.00496
0.20233	-0.01514	0.74417	0.103131	0.02584	0.066507	0.1513	-0.09233	0.04613
0.62033	0.104132	0.02442	0.20707	6.43E-06	0.107584	0.02005	-0.14059	0.00233
2.24E-08	0.25724	1.71E-08	-0.00123	0.97889	-0.05464	0.23857	0.136778	0.00306
2.34E-05	-0.0658	0.15568	0.055621	0.23026	0.028979	0.53217	-0.13163	0.00438
0.00267	0.037807	0.415	0.020987	0.651	0.036307	0.43377	0.012863	0.78159
0.04683	0.068772	0.13782	-0.01117	0.80976	-0.04994	0.28145	-0.06289	0.17488
0.99358	-0.04243	0.36024	-0.00995	0.83024	-0.02444	0.59827	0.013932	0.76396
0.00072	0.310053	7.29E-12	-0.00819	0.85991	0.109102	0.01835	-0.0751	0.10504
0.00271	-0.04313	0.35241	-0.01581	0.73331	0.083181	0.07252	-0.22226	1.23E-06
0.3393	0.09768	0.03483	0.036054	0.43699	-0.00524	0.91011	-0.19185	3.00E-05

0.00017	0.107994	0.01958	0.06664	0.15048	-0.09137	0.04846	0.073305	0.11365
0.19562	0.012571	0.78643	0.020075	0.66523	-0.01121	0.80913	-0.156	0.00072
0.00193	0.230625	4.69E-07	0.262326	8.67E-09	0.106218	0.02169	-0.12196	0.00833
0.00543	0.050357	0.27748	-0.13813	0.00278	-0.07903	0.08802	-0.16735	0.00028
0.60861	0.077145	0.09589	0.003562	0.93881	0.095504	0.03911	-0.10398	0.02464
0.00059	0.204943	8.03E-06	0.029576	0.52375	0.088986	0.05465	-0.07771	0.09348
0.48404	0.194882	2.23E-05	0.010756	0.81668	0.006461	0.88925	0.017624	0.70404
0.18628	0.09304	0.04448	0.072775	0.11629	0.062913	0.1747	-0.06312	0.1733
0.36917	-0.10767	0.01995	0.040119	0.38704	-0.03192	0.49142	0.073585	0.11227
0.41628	0.035815	0.44003	-0.00946	0.83838	-0.01988	0.66832	-0.06956	0.13335
0.94462	-0.07308	0.11477	0.017703	0.70278	0.001756	0.96981	-0.12799	0.00561
0.95243	0.018247	0.6941	-0.08241	0.07522	-0.03128	0.50006	-0.13975	0.00247
0.83133	0.058726	0.20523	-0.18629	5.11E-05	-0.02845	0.53969	0.15196	0.00099
0.00052	0.235487	2.63E-07	0.060796	0.18968	0.148065	0.00133	-0.09534	0.03945
0.59635	-0.13862	0.00268	-0.04857	0.29491	-0.11235	0.01514	-0.02313	0.61811
0.0013	-0.08453	0.068	0.057347	0.21609	-0.00327	0.94385	-0.19587	2.02E-05
0.16433	0.089117	0.05429	-0.02597	0.57567	0.061242	0.18645	-0.08764	0.05841
0.04522	0.091631	0.04781	-0.00174	0.97015	0.027001	0.56055	-0.15123	0.00105
0.10418	0.177168	0.00012	0.01307	0.77818	0.050127	0.27969	-0.03849	0.40665
0.13886	0.17187	0.00019	0.02318	0.61733	0.06288	0.17493	0.044934	0.33258
0.01662	0.268044	3.98E-09	0.050456	0.27654	0.120612	0.00908	0.029853	0.51987
0.14317	0.168448	0.00026	0.059346	0.20049	0.04156	0.3702	-0.01577	0.73397
0.8413	0.106513	0.02133	0.058914	0.20378	0.06265	0.17651	-0.14219	0.00207
0.34104	0.17552	0.00014	0.037412	0.4199	0.052166	0.26056	-0.14871	0.00127
0.612	0.100322	0.03019	0.010594	0.81939	0.010786	0.81617	-0.06123	0.18656
0.91777	0.058912	0.2038	0.003632	0.9376	0.008664	0.85188	-0.07804	0.09208
0.07796	0.054786	0.23734	0.030494	0.51095	0.107518	0.02013	0.012649	0.78514
0.91745	0.069817	0.13192	0.033546	0.46956	0.039571	0.39356	-0.06368	0.16948
0.36737	0.137893	0.00282	0.067464	0.14549	0.14953	0.00119	-0.13704	0.003
0.50007	0.128599	0.00538	0.042044	0.36465	0.107081	0.02064	-0.08415	0.06924
0.66082	0.147695	0.00137	0.078361	0.09075	0.08964	0.05289	0.02068	0.65578
0.10037	0.174625	0.00015	0.095847	0.03841	0.08462	0.0677	0.081531	0.07839
0.09754	0.161176	0.00047	0.117043	0.01137	0.056415	0.22366	0.109833	0.01758
0.00195	0.137954	0.00281	-0.0036	0.93813	-0.03767	0.41665	-0.00621	0.89352
0.77975	0.1293	0.00513	0.088151	0.05697	0.014994	0.74657	-0.05468	0.23826
0.49049	0.06625	0.15289	-0.0221	0.63378	0.1375	0.00291	-0.09465	0.0409
0.63864	0.047325	0.30747	0.056709	0.22126	-0.02162	0.64128	0.136461	0.00313
3.96E-05	0.174083	0.00016	0.066984	0.14838	0.169114	0.00024	0.135129	0.00344
0.41079	0.092963	0.04465	0.031527	0.49672	0.088851	0.05502	-0.12264	0.00797
0.2164	0.007968	0.86365	0.067446	0.14559	0.034472	0.45738	-0.16022	0.00051
0.8411	0.031008	0.50384	0.297046	5.74E-11	0.040495	0.3826	-0.18169	7.86E-05
0.02531	-0.09131	0.04861	0.072919	0.11556	-0.01805	0.69716	-0.29456	8.41E-11
0.00076	0.186189	5.16E-05	0.061739	0.1829	0.035215	0.44773	-0.01001	0.82919
0.01155	0.192829	2.72E-05	0.017366	0.70818	0.167704	0.00027	-0.08973	0.05265
0.43501	0.067062	0.14791	0.025562	0.58163	-0.00413	0.92907	-0.21468	2.85E-06

0.00569	0.175987	0.00013	-0.02867	0.53653	0.059946	0.19597	-0.06556	0.1572
0.19264	0.037415	0.41987	-0.02868	0.53636	0.043316	0.35031	-0.13739	0.00293
0.08469	0.1567	0.00068	-0.0164	0.7238	-0.03374	0.46702	-0.16333	0.00039
4.35E-05	0.141443	0.00219	-0.09243	0.04589	-0.05559	0.23052	0.040821	0.37878
0.00017	0.201171	1.18E-05	0.104642	0.02373	-0.00613	0.89484	-0.05572	0.22942
0.00025	-0.24715	6.27E-08	-0.06605	0.15411	0.087647	0.05841	-0.1967	1.86E-05
0.31382	-0.01607	0.72904	0.040988	0.37683	0.00017	0.99707	-0.24681	6.55E-08
7.76E-08	-0.13943	0.00253	-0.02618	0.57256	0.027398	0.5548	-0.2878	2.34E-10
0.07424	0.17974	9.40E-05	-0.03427	0.46	0.175546	0.00014	-0.09957	0.03145
0.00983	-0.0518	0.26391	0.124033	0.00728	0.082282	0.07567	-0.20537	7.68E-06
0.93706	-0.02004	0.66575	-0.00149	0.97442	-0.06317	0.17294	-0.26672	4.78E-09
0.30407	0.006135	0.8948	0.049906	0.28181	0.073671	0.11185	-0.22999	5.05E-07
0.01474	-0.09581	0.03848	0.08105	0.08017	-0.02228	0.63111	-0.22979	5.17E-07
1.64E-06	0.351186	5.31E-15	-0.00677	0.88404	0.068833	0.13747	0.025407	0.58392
0.42036	0.074778	0.10655	0.046152	0.31964	-0.0205	0.65859	-0.1684	0.00026
0.05271	-0.09749	0.03519	-0.02049	0.6588	-0.01051	0.82072	-0.2541	2.57E-08
0.22702	0.073044	0.11494	0.02532	0.58521	0.015699	0.73509	-0.09898	0.03247
0.3895	0.003693	0.93656	0.102631	0.02657	0.047027	0.31053	-0.17429	0.00015
0.01277	0.259811	1.21E-08	0.165943	0.00032	0.012435	0.7887	-0.09422	0.04183
0.00067	0.119141	0.00997	-0.07766	0.09368	0.146559	0.00149	0.139101	0.00259
0.04679	-0.12062	0.00908	-0.05225	0.25976	-0.03479	0.45322	-0.06271	0.17606
0.21038	0.024056	0.60408	-0.05409	0.24333	-0.06428	0.16552	0.072494	0.11771
0.27068	-0.00627	0.89254	-0.01701	0.71389	0.032583	0.48241	-0.26196	9.11E-09
0.61097	0.047594	0.30473	-0.01098	0.81289	0.00558	0.90428	-0.28175	5.70E-10
0.00338	-0.04997	0.2812	0.049753	0.28329	0.129869	0.00494	-0.06698	0.14842
0.05545	-0.18761	4.51E-05	-0.02535	0.5848	-0.16251	0.00042	0.030327	0.51326
0.01167	0.165107	0.00034	0.015884	0.73208	-0.00701	0.87997	-0.04205	0.36459
5.35E-06	-0.16823	0.00026	0.0235	0.61247	0.00738	0.87363	-0.27678	1.17E-09
0.00033	0.203806	9.03E-06	0.040263	0.38534	0.300865	3.16E-11	-0.04228	0.362
0.23848	-0.0368	0.42754	0.039779	0.39107	0.025677	0.57992	-0.21176	3.91E-06
0.03292	-0.02696	0.56112	0.034848	0.45248	0.134118	0.00369	-0.20077	1.23E-05
0.7023	0.046333	0.31774	0.023244	0.61635	0.03922	0.39778	-0.26988	3.09E-09
0.12346	0.146848	0.00146	0.124606	0.00702	0.028	0.54612	0.06145	0.18496
0.42194	0.048562	0.29499	-0.10056	0.02979	-0.17399	0.00016	-0.20792	5.88E-06
0.00014	-0.09322	0.04407	0.06391	0.16795	0.031827	0.49264	-0.0929	0.04479
0.39482	-0.08842	0.05621	-0.02437	0.59931	-0.01379	0.76628	0.082833	0.07372
0.75707	-0.00262	0.95499	0.120712	0.00902	0.132001	0.00427	-0.03093	0.5049
3.35E-07	0.263269	7.64E-09	0.019581	0.67298	0.044497	0.33731	-0.15331	0.00089
3.58E-09	-0.17412	0.00016	0.029253	0.5283	0.072716	0.11658	-0.18732	4.64E-05
5.48E-09	0.310005	7.34E-12	-0.01264	0.7853	0.051258	0.26896	-0.09197	0.047
0.00865	-0.15097	0.00107	-0.01878	0.68561	-0.0765	0.09871	-0.20343	9.39E-06
0.00897	-0.10056	0.0298	-0.1077	0.01991	-0.02139	0.64483	0.030969	0.50438
0.66813	0.081011	0.08032	0.291511	1.34E-10	0.108177	0.01937	-0.17545	0.00014
0.03716	0.092569	0.04557	0.007352	0.8741	0.00559	0.90411	0.005468	0.90618
0.00077	-0.10382	0.02486	0.069981	0.13102	-0.02037	0.66059	-0.15159	0.00102

0.0145	-0.04713	0.30949	-0.01937	0.67624	-0.06626	0.1528	-0.21776	2.03E-06
0.19516	0.125437	0.00664	0.159384	0.00055	0.128935	0.00526	-0.17175	0.00019
0.00071	0.217987	1.98E-06	0.160406	0.0005	-0.08199	0.07671	0.133962	0.00373
0.00154	0.232659	3.69E-07	0.019203	0.67894	0.045024	0.33162	-0.07294	0.11546
0.01764	-0.10447	0.02396	0.011278	0.80795	-0.01599	0.73031	-0.17878	0.0001
0.0043	-0.1458	0.00158	0.038456	0.40704	-8.78E-05	0.99849	-0.1803	8.93E-05
0.90831	0.00859	0.85313	0.0313	0.49983	0.013946	0.76373	-0.20401	8.84E-06
0.15348	-0.14963	0.00118	-0.16041	0.0005	-0.01371	0.76755	-0.06475	0.1624
0.99907	0.048463	0.29598	0.033297	0.47287	0.116143	0.01202	-0.15452	0.00081
0.01135	0.219417	1.69E-06	0.107945	0.01963	0.053781	0.24608	-0.18491	5.82E-05
0.00954	-0.08654	0.06168	0.051302	0.26855	0.028004	0.54607	-0.148	0.00134
0.03545	0.202959	9.86E-06	0.006312	0.8918	0.129034	0.00523	0.064386	0.1648
0.15894	-0.06045	0.19219	0.033346	0.47222	0.102169	0.02726	-0.25118	3.76E-08
0.00017	-0.13249	0.00413	-0.05878	0.20484	-0.08586	0.06374	0.064236	0.16579
0.05823	0.081823	0.07732	0.0645	0.16406	0.159877	0.00052	-0.18028	8.95E-05
0.00509	-0.05907	0.20258	0.000445	0.99235	-0.02436	0.59958	-0.2933	1.02E-10
0.32088	0.049679	0.28401	0.008588	0.85316	-0.00262	0.95494	-0.00934	0.84039
0.46999	0.009987	0.82957	-0.139	0.00261	-0.0044	0.92449	-0.02886	0.53382
0.95626	0.058121	0.20995	0.053634	0.24737	0.08246	0.07504	-0.21471	2.84E-06
0.04662	-0.0696	0.13312	0.053261	0.25068	0.015744	0.73436	-0.17675	0.00012
2.12E-06	-0.21019	4.62E-06	-0.04738	0.30695	-0.11215	0.01532	-0.01716	0.71152
2.61E-06	0.215521	2.60E-06	0.092789	0.04506	0.024423	0.59857	-0.0744	0.10835
0.23616	0.007488	0.87179	0.107588	0.02004	-0.00067	0.98849	-0.24228	1.15E-07
0.00144	-0.07312	0.11455	0.043909	0.34375	0.093475	0.04349	-0.19417	2.39E-05
0.01881	0.16069	0.00049	0.016811	0.7171	0.09009	0.0517	0.105548	0.02254
0.03127	-0.02815	0.54398	0.048026	0.30036	0.007485	0.87185	-0.20429	8.59E-06
0.01106	0.13007	0.00487	0.053801	0.24589	0.071898	0.12077	-0.10417	0.02438
0.27455	0.059157	0.20193	0.037864	0.4143	0.014595	0.75309	-0.18263	7.20E-05
0.52855	-0.02267	0.6251	-0.00756	0.87059	-0.00487	0.9164	-0.20357	9.25E-06
0.00014	-0.18568	5.41E-05	0.011906	0.79748	-0.01699	0.71425	-0.12172	0.00846
0.80365	0.068244	0.14088	0.085309	0.06548	0.037086	0.42397	-0.17729	0.00012
0.32409	0.124359	0.00713	0.047779	0.30285	0.06282	0.17534	-0.17747	0.00012
0.06873	0.08749	0.05886	-0.03672	0.42849	0.024612	0.59575	0.155251	0.00076
0.00725	0.364071	4.40E-16	0.086305	0.06239	0.152807	0.00092	-0.05059	0.27525
0.00099	0.297585	5.28E-11	0.030631	0.50905	0.109805	0.01761	-0.07289	0.11571
0.2663	-0.04119	0.37444	0.011587	0.8028	0.011543	0.80352	-0.2382	1.90E-07
0.00107	-0.10323	0.0257	0.016062	0.72919	0.033897	0.46492	-0.26478	6.22E-09
0.05884	0.201104	1.19E-05	-0.01925	0.67816	0.168432	0.00026	-0.11448	0.0133
0.09624	0.092906	0.04478	-0.02096	0.6515	0.020389	0.66032	-0.1143	0.01345
0.00356	0.256815	1.81E-08	0.029065	0.53096	0.10102	0.02905	-0.13431	0.00364
1.91E-07	0.324145	6.93E-13	0.181552	7.96E-05	0.084658	0.06757	-0.07863	0.08966
0.79424	0.077468	0.0945	0.018323	0.69289	-0.0392	0.39796	-0.12655	0.00617
0.88852	-0.02887	0.53377	-0.0617	0.18319	-0.04625	0.31858	0.064257	0.16565
1.61E-09	-0.2167	2.28E-06	-0.03285	0.47881	-0.01221	0.79235	-0.23648	2.34E-07
0.0168	0.044899	0.33296	-0.00711	0.87821	-0.03278	0.47971	0.113037	0.01452



6.04E-06	0.301289	2.96E-11	0.049944	0.28144	0.117284	0.0112	-0.0901	0.05167
0.18258	0.082393	0.07527	0.041143	0.37502	0.057886	0.21181	-0.18674	4.90E-05
0.03074	-0.09305	0.04444	-0.00213	0.96337	-0.0173	0.70928	-0.20461	8.31E-06
8.75E-05	0.103275	0.02563	-0.02205	0.63462	0.038747	0.40349	0.082707	0.07417
0.88386	0.035018	0.45028	0.051921	0.26281	0.152641	0.00094	-0.13568	0.0033
1.40E-08	0.328153	3.47E-13	0.040878	0.37811	0.096829	0.03646	-0.16307	0.0004
0.02009	0.022267	0.63125	0.003312	0.94309	0.089677	0.05279	-0.08543	0.0651
0.01063	-0.078	0.09226	0.040068	0.38764	0.02647	0.56828	-0.23978	1.57E-07
0.00066	0.256645	1.85E-08	0.037302	0.42127	0.02435	0.59967	-0.12283	0.00788
0.16201	-0.05894	0.20361	-0.16192	0.00044	-0.09819	0.03389	0.112248	0.01523
0.72146	0.118733	0.01023	0.088822	0.0551	0.120282	0.00927	0.000741	0.98726
0.38857	-0.01617	0.72749	-0.03093	0.50486	0.02119	0.64785	-0.0764	0.09913
0.06945	-0.17135	0.0002	-0.10089	0.02927	-0.08613	0.06292	0.000265	0.99544
5.71E-05	-0.23107	4.45E-07	0.002424	0.95834	-0.00681	0.8834	-0.01146	0.80483
0.15367	0.244894	8.33E-08	0.082369	0.07536	0.11047	0.01693	-0.08635	0.06226
0.00659	-0.06617	0.15341	-0.02166	0.64062	0.024738	0.59386	-0.20332	9.50E-06
0.70469	0.001728	0.9703	0.043078	0.35296	0.137743	0.00286	-0.09926	0.03198
0.03907	0.034589	0.45586	-0.0349	0.45179	0.019096	0.68063	-0.18033	8.90E-05
0.10835	0.117685	0.01092	-0.04366	0.34653	0.078349	0.0908	-0.16908	0.00024
0.06778	0.173683	0.00016	0.054252	0.24196	0.056603	0.22212	-0.09323	0.04404
0.33511	0.131343	0.00447	0.030888	0.5055	-0.00374	0.93569	-0.09468	0.04083
0.57442	0.072394	0.11821	0.049036	0.2903	0.169259	0.00024	-0.24611	7.15E-08
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0.36087	-0.03214	0.48843	-0.00859	0.85315	-0.02969	0.52219	-0.09083	0.04979
1.36E-07	-0.18503	5.75E-05	-0.01991	0.66778	-0.0368	0.42751	-0.13585	0.00327
0.58123	0.089663	0.05283	0.05035	0.27755	0.008718	0.85096	-0.1152	0.01273
0.68787	-0.00149	0.97444	0.06455	0.16372	0.006938	0.88113	-0.01379	0.76626
0.00504	-0.06953	0.13354	0.10819	0.01936	0.027866	0.54805	-0.10052	0.02985
3.45E-07	-0.25933	1.29E-08	-0.07745	0.09457	-0.0201	0.6649	-0.0906	0.05039
0.19424	-0.07356	0.1124	-0.04192	0.3661	-0.08539	0.06523	-0.04716	0.30922
0.79377	0.020087	0.66505	0.131004	0.00457	-0.00398	0.93159	-0.23203	3.97E-07
0.58914	0.080958	0.08052	0.269733	3.15E-09	0.183731	6.50E-05	-0.08417	0.06916
0.89625	0.005351	0.90819	0.010969	0.81312	-0.00469	0.91957	-0.2655	5.64E-09
0.17882	0.014769	0.75024	0.024073	0.60382	0.059873	0.19651	-0.27366	1.82E-09
6.90E-06	-0.19215	2.91E-05	0.004117	0.92929	0.021242	0.64705	-0.06342	0.17126
0.0494	0.066809	0.14945	0.035069	0.44962	0.048689	0.29372	-0.14328	0.00191
7.00E-07	0.30409	1.90E-11	-0.04643	0.31674	0.030879	0.50563	-0.06658	0.15086
7.43E-11	-0.31869	1.75E-12	0.111988	0.01547	-0.1836	6.58E-05	0.041113	0.37537
0.00175	0.192955	2.69E-05	0.02856	0.53812	0.116856	0.0115	-0.01337	0.77321
0.05692	-0.07666	0.09799	0.197252	1.76E-05	-0.02646	0.56845	-0.26871	3.63E-09
0.56179	0.175691	0.00014	0.054215	0.24228	0.041997	0.36518	-0.03851	0.40632
0.49225	-0.01707	0.71296	-0.02102	0.65045	-0.00296	0.94918	-0.09258	0.04554
0.00017	-0.12507	0.00681	-0.03985	0.39028	0.081532	0.07838	-0.29912	4.16E-11
0.22806	0.202106	1.08E-05	0.071446	0.12312	0.278494	9.14E-10	-0.07997	0.08429
0.1884	-0.05401	0.24403	-0.04313	0.35234	0.001487	0.97443	-0.00917	0.84335

0.55779	0.029707	0.52192	0.039461	0.39487	-0.00179	0.9692	-0.15928	0.00055
0.00075	0.284861	3.62E-10	-0.05971	0.1977	0.120344	0.00924	0.208711	5.41E-06
0.05345	0.159567	0.00054	0.016577	0.72086	-0.00125	0.97846	-0.18949	3.77E-05
0.00058	-0.23715	2.16E-07	-0.0277	0.55038	-0.14613	0.00154	0.062372	0.17844
0.00228	-0.20993	4.75E-06	-0.13746	0.00291	-0.14933	0.00121	0.051085	0.27059
2.77E-17	0.437722	2.79E-23	0.029976	0.51815	0.05233	0.25906	-0.09048	0.05069
0.00753	0.195027	2.19E-05	0.06505	0.16048	-0.06003	0.19533	-0.05943	0.19982
0.78487	0.017226	0.71042	0.043314	0.35033	0.093533	0.04336	-0.05941	0.19999
2.82E-06	-0.15097	0.00107	-0.03002	0.51747	-0.04991	0.28178	-0.25345	2.80E-08
1.03E-06	0.260286	1.14E-08	0.160431	0.0005	0.167884	0.00027	0.061808	0.18241
0.13257	0.105435	0.02268	0.0562	0.22544	0.0006	0.98969	-0.02816	0.54377
3.99E-06	0.319494	1.53E-12	0.098435	0.03345	0.083022	0.07307	-0.11347	0.01415
0.542	0.068241	0.14089	0.224996	9.00E-07	-0.0135	0.77112	-0.23998	1.53E-07
2.67E-12	-0.32205	9.91E-13	-0.10142	0.02842	-0.06688	0.14903	-0.2892	1.90E-10
0.00034	0.202241	1.06E-05	0.065598	0.15698	0.03215	0.48826	-0.10521	0.02297
6.09E-10	-0.23955	1.61E-07	-0.08985	0.05233	-0.11559	0.01243	-0.23867	1.79E-07
0.7782	0.024664	0.59497	0.011846	0.79848	-0.02161	0.6413	-0.11491	0.01296
0.41694	0.112207	0.01527	0.145613	0.0016	0.086112	0.06298	-0.12365	0.00747
0.90131	0.02064	0.65641	0.09287	0.04487	0.012509	0.78746	-0.14947	0.0012
1.13E-05	-0.19266	2.77E-05	0.151136	0.00105	-0.06112	0.18732	-0.22997	5.06E-07
0.84674	0.011309	0.80743	0.047097	0.30981	0.065469	0.1578	-0.07066	0.12732
0.00197	-0.12378	0.00741	0.011119	0.8106	-0.05818	0.2095	-0.21067	4.39E-06
6.16E-05	-0.14464	0.00173	-0.01414	0.76051	-0.03162	0.4954	-0.21013	4.65E-06
0.03811	0.069978	0.13104	0.123814	0.00739	-0.03508	0.44951	-0.05291	0.25384
3.28E-07	0.351042	5.46E-15	0.042493	0.35955	0.093746	0.04288	-0.06763	0.14449
3.09E-06	0.34516	1.64E-14	0.023587	0.61116	0.087421	0.05906	-0.11641	0.01182
0.3736	0.049816	0.28268	0.050668	0.27452	-0.02098	0.65104	-0.18036	8.88E-05
0.74276	0.003326	0.94286	0.112319	0.01516	0.001826	0.96861	-0.06504	0.16052
0.77131	-0.01767	0.70325	-0.01108	0.81123	-0.03767	0.41667	-0.08458	0.06781
0.03573	0.002782	0.95219	-0.02115	0.6484	-0.1231	0.00774	0.263157	7.75E-09
0.00229	0.212784	3.50E-06	0.042323	0.36147	0.214857	2.79E-06	-0.00064	0.98897
0.15146	0.015712	0.73488	0.122056	0.00828	-0.0135	0.77107	-0.11656	0.01171
0.88585	-0.02751	0.55311	-0.10859	0.01891	-0.01447	0.75506	-0.15123	0.00104
0.12392	0.158611	0.00058	0.257001	1.76E-08	0.032172	0.48796	-0.14726	0.00142
0.00206	0.322396	9.34E-13	0.024423	0.59857	0.089642	0.05288	-0.09491	0.04035
0.00159	0.243548	9.85E-08	0.108211	0.01933	0.242644	1.10E-07	-0.20499	7.99E-06
0.21625	0.074412	0.10828	0.107055	0.02067	-0.02524	0.58644	-0.20081	1.23E-05
7.84E-06	-0.13479	0.00352	0.033037	0.47633	0.00458	0.92136	-0.2312	4.39E-07
0.84069	-0.03209	0.48901	0.047669	0.30397	-0.08989	0.05224	0.087081	0.06006
0.76152	0.09512	0.03991	0.048096	0.29965	0.027862	0.5481	-0.20001	1.33E-05
0.65105	-0.0096	0.8361	0.014938	0.74747	-0.00173	0.97026	-0.25316	2.91E-08
0.01099	0.153582	0.00087	0.137398	0.00293	0.06306	0.17369	-0.03522	0.44767
0.09206	0.232009	3.99E-07	0.065047	0.1605	0.096378	0.03734	-0.14782	0.00136
0.10454	0.040573	0.38168	0.129542	0.00505	-0.04995	0.28135	-0.12721	0.00591
0.48741	0.060252	0.19369	-0.00928	0.84149	0.059592	0.19862	-0.1889	3.99E-05

2.86E-05	0.273429	1.88E-09	0.111207	0.01621	0.09099	0.0494	0.040298	0.38492
0.92559	-0.00247	0.95748	0.132617	0.00409	0.033405	0.47143	-0.14209	0.00208
0.0002	0.252842	3.03E-08	0.183324	6.75E-05	0.046508	0.31591	0.026452	0.56854
0.91058	0.128833	0.0053	0.152867	0.00092	0.068537	0.13918	-0.07331	0.11362
0.10261	-0.10591	0.02208	-0.06888	0.13722	-0.04715	0.30925	-0.12718	0.00592
0.73506	0.005092	0.91262	-0.01219	0.79282	0.057118	0.21794	-0.26237	8.63E-09
0.03215	-0.22257	1.19E-06	-0.04486	0.33333	-0.07921	0.08729	0.114615	0.0132
2.68E-08	0.278442	9.21E-10	-0.07901	0.08812	-0.09209	0.04671	0.224032	1.00E-06
0.05688	0.19828	1.59E-05	0.167191	0.00028	0.021056	0.64994	-0.06525	0.15921
0.04141	-0.00835	0.85717	-0.04133	0.37288	0.064893	0.16149	-0.27219	2.24E-09
0.03012	0.272471	2.15E-09	0.09759	0.035	0.122861	0.00786	-0.13224	0.0042
0.58662	-0.00517	0.91127	0.018059	0.6971	0.016047	0.72944	0.011987	0.79614
0.04812	-0.21976	1.63E-06	-0.00362	0.93775	-0.07422	0.10917	-0.24639	6.91E-08
0.32948	0.14984	0.00116	0.104081	0.02449	0.008976	0.8466	-0.06834	0.14034
4.08E-11	0.429188	2.37E-22	0.060355	0.19292	0.075814	0.10177	-0.11463	0.01318
0.2976	0.111898	0.01555	0.007521	0.87123	-0.03057	0.50994	0.011164	0.80986
3.23E-05	0.215073	2.73E-06	0.044056	0.34213	0.070064	0.13056	0.006692	0.88532
0.06082	0.187142	4.71E-05	0.096149	0.0378	0.030775	0.50705	-0.08169	0.0778
0.96662	0.004258	0.92689	0.003436	0.94096	-0.02143	0.64408	-0.15585	0.00073
0.00159	0.182843	7.06E-05	0.038175	0.41048	0.020352	0.6609	0.038945	0.40109
0.15027	0.012033	0.79536	0.024988	0.59015	-0.05249	0.25765	-0.19071	3.35E-05
0.64909	0.047857	0.30207	0.012938	0.78036	-0.01565	0.73589	-0.19391	2.45E-05
0.46034	0.043266	0.35086	-0.05381	0.2458	-0.04229	0.3619	0.104894	0.02339
0.80122	0.026463	0.56839	0.247873	5.73E-08	-0.01614	0.72791	-0.21043	4.50E-06
0.00781	-0.25575	2.08E-08	-0.09963	0.03134	-0.10657	0.02125	0.118485	0.01039
0.63576	0.041696	0.36863	-0.0659	0.1551	-0.07389	0.11079	-0.14668	0.00148
0.01208	0.294194	8.90E-11	0.075169	0.10473	0.140625	0.00232	-0.07106	0.12518
0.00055	-0.11696	0.01143	0.018968	0.68266	0.002318	0.96016	-0.26752	4.28E-09
0.00457	0.19967	1.38E-05	0.014171	0.76004	0.005408	0.90722	-0.17601	0.00013
0.20229	-0.01807	0.69699	0.008943	0.84716	-0.04507	0.33112	0.100572	0.02978
0.26737	-0.00435	0.9253	-0.05265	0.25613	0.019064	0.68114	0.155655	0.00074
0.00928	0.029301	0.52763	-0.00793	0.86437	-0.02599	0.57531	-0.06408	0.16679
0.80368	0.022501	0.62767	0.043687	0.3462	0.091186	0.04891	-0.12221	0.0082
0.40158	0.083018	0.07308	0.147623	0.00138	0.137834	0.00284	-0.24817	5.51E-08
0.00537	0.183002	6.96E-05	0.376473	3.58E-17	0.091619	0.04784	0.13208	0.00425
0.13246	0.098366	0.03357	0.072593	0.1172	0.069911	0.13141	-0.12131	0.00869
8.21E-08	-0.366	3.00E-16	-0.079	0.08815	-0.14671	0.00148	0.049697	0.28384
0.78743	0.0638	0.16868	0.03394	0.46435	-0.03269	0.48094	-0.14038	0.00236
0.0001	-0.20033	1.29E-05	-0.00113	0.98059	-0.00948	0.83811	0.033073	0.47584
0.00044	0.25755	1.64E-08	0.048605	0.29456	0.031724	0.49404	0.017275	0.70964
0.00227	0.255791	2.07E-08	0.066889	0.14896	0.108943	0.01852	0.080316	0.08295
3.98E-07	0.302687	2.37E-11	-0.01869	0.68707	0.003416	0.94131	-0.21673	2.28E-06
0.94604	0.035299	0.44664	0.040712	0.38005	-0.02484	0.59231	-0.02354	0.61181
0.06937	0.138157	0.00277	-0.07274	0.11648	0.046614	0.31481	0.068075	0.14187
0.00047	-0.09547	0.03917	-0.09586	0.03838	-0.03379	0.46627	-0.20974	4.85E-06

0.30599	-0.04183	0.36707	0.026013	0.57498	0.011948	0.79679	-0.16849	0.00025
0.00053	-0.03867	0.40448	-0.00822	0.8593	0.098678	0.03301	-0.21599	2.47E-06
1.76E-06	-0.15484	0.00079	0.051843	0.26353	-0.03586	0.43946	-0.12273	0.00793
0.59191	0.139402	0.00253	0.072083	0.11981	0.124706	0.00697	-0.18137	8.09E-05
0.59936	0.111997	0.01546	0.157516	0.00064	0.112429	0.01506	-0.11856	0.01034
0.67408	0.008247	0.85892	0.193906	2.45E-05	-0.01094	0.81356	-0.16099	0.00048
0.94673	0.016799	0.71729	0.000277	0.99524	-0.00403	0.93071	-0.20376	9.07E-06
0.0306	0.153867	0.00085	0.13325	0.00392	0.170046	0.00022	0.114425	0.01335
0.35177	-0.10069	0.02958	-0.05189	0.26306	-0.02787	0.54795	0.079281	0.08701
0.72918	0.101721	0.02795	0.047175	0.30901	0.046887	0.31197	-0.18448	6.06E-05
0.00668	-0.16825	0.00026	-0.10766	0.01996	-0.03147	0.49745	0.074094	0.1098
0.49664	-0.01788	0.70003	0.037053	0.42438	0.026996	0.56061	-0.17686	0.00012
0.20313	0.026507	0.56773	0.034171	0.46132	-0.01678	0.71756	0.018288	0.69345
1.06E-05	-0.25892	1.37E-08	0.036178	0.4354	-0.08956	0.0531	-0.24492	8.31E-08
0.39513	-0.02361	0.61075	0.037287	0.42146	-0.09707	0.03599	0.118072	0.01066
0.05921	0.139117	0.00259	0.002927	0.9497	-0.01477	0.75016	-0.01556	0.73728
0.00098	0.051578	0.26598	-0.02573	0.57922	-0.0455	0.32654	0.175219	0.00014
0.08219	-0.14126	0.00222	0.046334	0.31773	0.070433	0.12854	-0.16716	0.00029
0.23495	0.118748	0.01022	0.000421	0.99277	-0.01669	0.71907	-0.12804	0.00559
0.01025	-0.14637	0.00151	-0.03133	0.49943	0.076357	0.09934	-0.20138	1.16E-05
5.53E-05	-0.05822	0.20916	-0.10503	0.02322	-0.05642	0.22365	-0.20618	7.05E-06
1.01E-05	0.092947	0.04469	0.132447	0.00414	0.012782	0.78293	-0.07593	0.10123
0.67816	-0.00427	0.92676	-0.02945	0.52548	-0.05299	0.25306	-0.24836	5.39E-08
0.00038	0.269516	3.25E-09	0.088006	0.05738	0.153319	0.00089	0.031604	0.49567
2.47E-05	0.15306	0.00091	0.067586	0.14476	-0.09141	0.04836	-0.0876	0.05853
2.32E-07	-0.40372	9.81E-20	-0.06445	0.16437	-0.13779	0.00285	0.07936	0.0867
0.04708	0.117125	0.01131	0.040393	0.3838	0.069869	0.13164	-0.10022	0.03035
0.00017	-0.20943	5.01E-06	-0.04114	0.375	-0.08225	0.07578	-0.13924	0.00256
0.00081	-0.14554	0.00161	0.004	0.93131	0.032413	0.4847	-0.25228	3.26E-08
2.19E-06	0.361612	7.13E-16	-0.00342	0.94118	0.024933	0.59095	-0.12485	0.0069
0.00603	0.181931	7.68E-05	0.073641	0.112	0.031404	0.49842	0.122257	0.00817
2.99E-10	0.254793	2.35E-08	0.078547	0.08998	0.02809	0.54484	-0.14415	0.00179
0.00111	0.170276	0.00022	0.039118	0.399	0.031807	0.49291	-0.19822	1.60E-05
0.03102	0.196758	1.85E-05	0.077405	0.09477	0.116484	0.01177	-0.11272	0.0148
8.13E-12	-0.30641	1.31E-11	0.006657	0.88591	-0.08625	0.06257	-0.24368	9.69E-08
0.34759	0.061725	0.183	-0.0474	0.30669	0.017585	0.70468	-0.1905	3.42E-05
0.03699	0.104732	0.02361	-0.00889	0.84811	-0.06252	0.17744	0.077981	0.09233
0.00012	-0.10146	0.02836	-0.07935	0.08672	0.037042	0.42452	-0.15077	0.00108
0.83641	0.081359	0.07902	0.120929	0.0089	0.112402	0.01509	0.053005	0.25296
0.09313	0.08062	0.08179	0.065703	0.15631	0.133609	0.00382	0.049286	0.28784
0.0055	-0.08489	0.06683	-0.03062	0.50917	0.037735	0.41589	-0.16151	0.00046
0.00416	0.11341	0.0142	-0.00361	0.93791	-0.02788	0.54785	0.182352	7.39E-05
0.06705	0.167869	0.00027	0.158091	0.00061	0.084923	0.06671	-0.28267	4.99E-10
0.07222	-0.09071	0.05012	-0.12121	0.00874	-0.02495	0.5907	0.100172	0.03044
0.00331	0.17608	0.00013	0.097139	0.03586	0.040543	0.38204	-0.00264	0.95465

0.2611	0.010008	0.82922	0.041972	0.36547	0.129435	0.00509	-0.22732	6.89E-07
0.45538	0.080003	0.08416	0.087875	0.05775	0.06748	0.14539	-0.20498	8.00E-06
0.18537	-0.00725	0.87586	0.017142	0.71177	-0.01176	0.79985	-0.23978	1.57E-07
0.20352	0.225182	8.81E-07	0.163027	0.0004	0.068124	0.14158	-0.11569	0.01236
0.06567	-0.07361	0.11214	0.024696	0.59449	-0.05348	0.24873	-0.26358	7.33E-09
0.02306	-0.15346	0.00088	-0.06011	0.19475	-0.00112	0.9807	-0.02684	0.56285
0.46728	0.052139	0.26081	0.115613	0.01242	0.120871	0.00893	-0.2157	2.55E-06
0.03031	0.184835	5.86E-05	0.030585	0.50968	0.152118	0.00097	-0.06871	0.13818
0.00477	-0.19601	1.99E-05	-0.07768	0.09361	0.027439	0.55419	0.047352	0.3072
0.97418	0.103205	0.02573	0.091014	0.04934	0.105829	0.02218	-0.20631	6.96E-06
0.00083	-0.17458	0.00015	-0.04474	0.33463	-0.05143	0.26737	0.008033	0.86254
0.00376	0.199925	1.34E-05	0.06203	0.18084	0.036461	0.43182	-0.11495	0.01293
3.42E-05	0.297413	5.42E-11	0.138757	0.00266	0.142287	0.00205	0.034801	0.45309
9.98E-05	-0.2201	1.57E-06	-0.13504	0.00346	0.036115	0.4362	0.084688	0.06747
0.0064	0.043649	0.34661	-0.0486	0.29458	-0.08856	0.05583	0.099064	0.03233
3.20E-05	-0.12767	0.00573	0.065474	0.15776	-0.02375	0.60874	-0.28544	3.32E-10
0.25997	-0.03459	0.45586	-0.03218	0.48779	-0.05532	0.23276	0.059695	0.19785
0.05383	-0.13056	0.00471	-0.02045	0.65936	-0.03056	0.51002	-0.06713	0.14751
0.93006	0.01762	0.70411	0.060305	0.1933	0.029557	0.52402	-0.03203	0.48993
0.18714	0.017402	0.7076	0.012755	0.78339	0.068955	0.13677	-0.19875	1.51E-05
0.40234	-0.17461	0.00015	-0.00641	0.89011	-0.09333	0.04381	0.108846	0.01863
1.85E-06	0.36519	3.52E-16	0.048631	0.2943	0.100568	0.02978	-0.00109	0.98134
0.11118	-0.0455	0.32654	0.33861	5.43E-14	-0.00167	0.97135	-0.22145	1.35E-06
1.93E-05	0.209872	4.78E-06	0.0599	0.19631	0.061752	0.1828	-0.18547	5.52E-05
0.14548	0.081555	0.0783	0.035807	0.44013	0.08412	0.06934	-0.21943	1.69E-06
0.31451	-0.01639	0.72384	0.041321	0.37296	-0.00636	0.89104	-0.22174	1.30E-06
0.13288	-0.00281	0.95163	0.042365	0.36099	-0.02926	0.52821	-0.08542	0.06514
0.67259	0.068537	0.13917	0.00788	0.86515	0.007075	0.8788	0.081997	0.07669
0.01295	0.205931	7.24E-06	0.127163	0.00593	0.160484	0.0005	-0.25776	1.60E-08
0.11203	-0.06547	0.1578	-0.03104	0.50338	-0.06466	0.16303	-0.23522	2.72E-07
0.00666	0.105213	0.02297	0.024746	0.59374	-0.04228	0.36196	-0.03265	0.48147
1.40E-05	-0.16474	0.00035	0.071798	0.12129	-0.03346	0.47067	-0.26361	7.29E-09
0.08049	0.08426	0.06887	0.006985	0.88033	0.111124	0.01629	-0.18254	7.26E-05
0.00885	0.276784	1.17E-09	0.107744	0.01986	0.107514	0.02013	-0.10709	0.02063
0.01212	0.210552	4.44E-06	0.24812	5.55E-08	0.023462	0.61305	-0.21503	2.74E-06
0.83703	0.011032	0.81207	-0.00389	0.93319	0.017029	0.71359	-0.14916	0.00123
0.01792	-0.00328	0.94371	0.004014	0.93106	-0.01435	0.75709	-0.22183	1.29E-06
0.0349	0.011499	0.80425	0.003047	0.94764	0.049012	0.29053	-0.15956	0.00054
0.65126	0.007463	0.87222	0.181761	7.81E-05	0.060545	0.19152	-0.10741	0.02025
0.17843	-0.06351	0.17065	0.04897	0.29095	0.020557	0.65769	-0.27156	2.44E-09
1.35E-06	-0.19154	3.09E-05	-0.04672	0.31375	-0.08469	0.06748	-0.17763	0.00011
0.94447	0.087968	0.05749	0.09761	0.03497	0.087632	0.05845	-0.11977	0.00958
0.63586	0.098775	0.03284	-0.01547	0.7388	0.040754	0.37956	-0.19979	1.36E-05
0.10559	0.080665	0.08162	0.026254	0.57143	0.014491	0.7548	-0.22116	1.39E-06
7.49E-06	-0.22912	5.59E-07	-0.11886	0.01015	0.056222	0.22526	-0.23859	1.81E-07

0.95087	0.025168	0.58747	0.05947	0.19955	0.066674	0.15027	-0.09713	0.03588
0.01405	-0.02234	0.63012	0.014024	0.76245	-0.02237	0.62965	-0.23564	2.59E-07
0.07955	0.033986	0.46374	0.075147	0.10483	-0.06422	0.16586	-0.20367	9.16E-06
0.00088	-0.28369	4.29E-10	-0.11262	0.01489	-0.02905	0.53118	0.082524	0.07481
0.09133	0.08372	0.07068	-0.02276	0.62377	0.021993	0.63546	-0.19426	2.37E-05
0.65679	0.15669	0.00068	0.059956	0.19589	0.046053	0.32067	-0.21017	4.63E-06
0.00041	0.144169	0.00179	-0.05077	0.27354	-0.02813	0.54426	0.2405	1.43E-07
0.42917	-0.03004	0.51728	-0.0384	0.40767	-0.11398	0.01372	-0.05365	0.24724
0.60789	0.094107	0.04208	-0.06739	0.14592	-0.00859	0.85308	0.09793	0.03437
0.14802	0.053605	0.24762	0.197072	1.79E-05	0.200346	1.29E-05	-0.10048	0.02993
2.86E-08	-0.36312	5.30E-16	-0.14903	0.00124	-0.16653	0.0003	-0.01092	0.81396
0.27662	0.035704	0.44145	0.085161	0.06595	0.01339	0.77289	-0.25065	4.02E-08
0.16095	0.038046	0.41206	0.041845	0.36692	0.061803	0.18244	-0.19146	3.11E-05
0.03579	-0.03624	0.4346	-0.01458	0.75327	-0.00506	0.91322	0.091443	0.04827
0.82582	0.123054	0.00776	0.046872	0.31213	0.106877	0.02088	-0.24813	5.55E-08
0.00412	0.224738	9.27E-07	0.131292	0.00448	0.058002	0.21089	-0.07022	0.1297
1.00E-06	-0.1689	0.00025	-0.00704	0.87944	-0.02921	0.52889	-0.24894	5.00E-08
0.39874	0.190712	3.35E-05	0.017978	0.69839	-0.02794	0.54704	-0.17552	0.00014
0.00418	0.209847	4.79E-06	0.007255	0.87575	-0.02549	0.58267	-0.09207	0.04675
0.75175	0.095959	0.03818	0.032843	0.47893	0.027451	0.55402	-0.11946	0.00977
0.08233	0.168038	0.00026	0.069055	0.13621	0.146931	0.00145	-0.11442	0.01335
0.00066	-0.1045	0.02392	0.053214	0.2511	0.091125	0.04906	-0.20692	6.53E-06
0.11682	0.022988	0.62024	0.144586	0.00173	0.029175	0.52941	-0.16158	0.00046
0.09945	0.149706	0.00118	-0.02472	0.59415	-0.04218	0.36311	-0.27295	2.01E-09
0.00441	0.238648	1.80E-07	0.159054	0.00056	0.000992	0.98294	-0.04012	0.38705
0.0375	0.165306	0.00033	0.26906	3.46E-09	0.058782	0.2048	-0.13181	0.00433
0.00054	-0.09507	0.04001	-0.05693	0.21942	-0.07095	0.12574	-0.26768	4.18E-09
0.01942	0.160616	0.00049	0.04178	0.36767	0.015066	0.74539	-0.08997	0.05202
0.53137	-0.02026	0.66227	0.123055	0.00776	0.079089	0.08778	-0.03619	0.43525
0.03437	0.075133	0.10489	-0.04587	0.32259	-0.03165	0.49511	-0.00869	0.85141
0.04412	-0.09976	0.03112	0.067787	0.14356	-0.04677	0.31318	-0.20286	9.96E-06
0.40285	0.110805	0.0166	0.093174	0.04417	0.165822	0.00032	-0.09245	0.04585
0.6572	0.091836	0.04731	-0.01464	0.75231	-0.00765	0.86903	-0.24326	1.02E-07
0.00346	0.064748	0.16243	-0.08141	0.07882	-0.03148	0.49735	0.039766	0.39123
0.41822	0.046447	0.31655	0.07245	0.11793	0.109272	0.01817	-0.06232	0.1788
0.52002	0.002432	0.95819	0.13726	0.00296	0.030451	0.51154	-0.21171	3.93E-06
0.00072	0.319232	1.60E-12	0.056657	0.22168	0.036509	0.43122	-0.16545	0.00033
0.81363	0.040559	0.38184	0.036421	0.43233	0.008875	0.84831	-0.09708	0.03596
0.00318	-0.0003	0.99483	0.092106	0.04667	0.153138	0.0009	-0.04142	0.37177
0.19794	0.124822	0.00692	0.084617	0.06771	0.129749	0.00498	-0.0254	0.584
0.10267	0.196404	1.91E-05	0.218879	1.79E-06	0.058092	0.21018	-0.19827	1.59E-05
0.02475	-0.12868	0.00535	-0.05836	0.20805	-0.03728	0.42151	-0.17877	0.0001
3.61E-05	0.285151	3.46E-10	0.025331	0.58504	0.106894	0.02086	-0.08791	0.05765
0.2595	-0.04846	0.29597	-0.00703	0.87959	-0.018	0.69807	-0.08923	0.05399
2.31E-07	0.281536	5.89E-10	-0.00172	0.97038	0.046497	0.31602	-0.11587	0.01222

0.79828	-0.00998	0.82961	0.01804	0.69739	-0.10934	0.0181	0.122336	0.00813
0.32483	0.106898	0.02086	0.021133	0.64874	0.088781	0.05521	-0.19569	2.05E-05
0.04996	0.151565	0.00102	0.072246	0.11897	0.014449	0.75548	0.095634	0.03884
0.94881	0.008592	0.85308	0.215491	2.61E-06	0.097821	0.03457	-0.13809	0.00279
0.31659	0.06064	0.19083	0.138742	0.00266	0.040893	0.37793	-0.2043	8.59E-06
4.59E-05	-0.05007	0.28023	-0.0068	0.88355	0.062261	0.17921	-0.29402	9.14E-11
0.68347	-0.01845	0.69083	-0.00555	0.90485	-0.0172	0.71077	-0.20477	8.18E-06
0.56184	-0.00673	0.88466	0.052779	0.255	0.070588	0.1277	-0.09075	0.05001
0.37808	0.072535	0.1175	0.07776	0.09326	0.016574	0.72092	-0.02718	0.55793
0.3728	0.006736	0.88458	0.074513	0.1078	0.032304	0.48617	-0.20152	1.14E-05
0.14345	0.157565	0.00063	0.05865	0.20582	0.200298	1.29E-05	-0.11293	0.01462
0.29283	0.009847	0.83193	-0.02369	0.60954	-0.04859	0.29471	-0.13982	0.00246
0.85758	0.048284	0.29776	0.08636	0.06222	-0.02787	0.54803	-0.09784	0.03453
0.00102	0.123459	0.00756	0.072432	0.11802	-0.02553	0.58214	-0.08929	0.05383
0.03263	-0.07005	0.13065	0.101128	0.02888	-0.01876	0.68598	-0.21412	3.03E-06
0.00206	-0.14127	0.00221	-0.0311	0.50255	0.00505	0.91332	-0.29487	8.02E-11
0.30835	-0.01699	0.7142	0.038638	0.40481	-0.00652	0.88826	-0.19335	2.59E-05
0.21092	-0.23042	4.80E-07	-0.11048	0.01692	-0.12652	0.00619	-0.02249	0.62788
3.10E-05	-0.07913	0.08763	-0.022	0.63531	0.013938	0.76387	0.018929	0.68328
0.10587	0.004583	0.92131	-0.02355	0.61167	-0.06406	0.16693	-0.12949	0.00507
0.01372	0.172306	0.00018	0.168245	0.00026	0.028623	0.53722	-0.16262	0.00042
0.17373	0.065414	0.15814	-0.01374	0.76714	0.009022	0.84583	0.192976	2.69E-05
0.0007	0.248019	5.62E-08	-0.08258	0.07461	0.045039	0.33145	-0.11738	0.01113
2.34E-05	-0.07579	0.10188	0.158426	0.00059	0.089148	0.05421	-0.10623	0.02168
0.39079	0.034997	0.45056	0.043147	0.35219	-0.05853	0.20679	-0.1464	0.00151
0.0438	0.007384	0.87356	-0.01279	0.78288	0.046715	0.31376	-0.13854	0.0027
1.61E-09	0.274184	1.69E-09	0.068852	0.13736	-0.01654	0.72148	-0.25632	1.93E-08
0.2266	0.153634	0.00087	0.059041	0.20281	0.059769	0.19729	-0.22322	1.10E-06
0.68919	0.003356	0.94234	0.039653	0.39258	0.008382	0.85664	-0.29314	1.05E-10
0.00371	0.102584	0.02664	0.035438	0.44486	0.022627	0.62574	-0.34951	7.28E-15
0.03647	0.306119	1.37E-11	0.040118	0.38705	0.131061	0.00456	-0.11003	0.01738
0.7003	0.002381	0.95907	0.014956	0.74718	0.000926	0.98407	-0.26268	8.28E-09
0.56347	0.054753	0.23763	0.000299	0.99487	-0.02089	0.65249	-0.2027	1.01E-05
0.04209	-0.08634	0.06229	0.002094	0.964	-0.01717	0.71127	-0.22437	9.67E-07
0.04844	-0.05578	0.22897	0.022719	0.62434	0.00545	0.90649	-0.28536	3.36E-10
0.00254	0.16349	0.00039	0.038103	0.41136	0.071513	0.12277	0.014578	0.75336
0.01074	0.19031	3.48E-05	-0.06	0.19558	-0.01476	0.75045	-0.04237	0.36099
0.26787	0.037695	0.41639	0.186361	5.08E-05	0.0515	0.2667	-0.13747	0.00291
0.09458	0.214078	3.04E-06	0.038764	0.40329	-0.03241	0.48474	-0.15978	0.00053
0.23607	-0.00833	0.85757	0.023128	0.61811	0.016452	0.72289	-0.2951	7.74E-11
0.00011	0.2445	8.75E-08	0.094909	0.04035	0.172498	0.00018	0.029902	0.51918
0.0027	0.072714	0.1166	-0.08422	0.06902	-0.04635	0.3176	0.10374	0.02497
0.63609	0.022785	0.62334	0.034248	0.46031	0.00268	0.95394	0.028994	0.53196
2.51E-07	-0.19323	2.62E-05	-0.02547	0.58303	0.007641	0.86919	-0.32659	4.55E-13
0.23587	-0.00273	0.95313	-0.03437	0.45867	0.060368	0.19283	-0.15549	0.00075

0.00064	0.203225	9.59E-06	0.087328	0.05933	0.051778	0.26413	-0.07843	0.09048
3.92E-05	-0.14625	0.00153	-0.07241	0.11812	-0.10257	0.02666	-0.16313	0.0004
0.29499	0.065177	0.15966	-0.03764	0.41708	0.012638	0.78533	-0.18071	8.60E-05
0.54545	0.081848	0.07723	0.03085	0.50603	0.034964	0.45098	-0.01125	0.80839
0.00324	0.030769	0.50714	0.020403	0.6601	0.024702	0.59441	-0.23986	1.55E-07
2.10E-09	0.371802	9.33E-17	0.015757	0.73414	0.062955	0.17441	0.018364	0.69224
0.00034	0.29121	1.40E-10	0.149279	0.00121	0.176572	0.00013	-0.02677	0.56393
0.17087	0.165222	0.00034	-0.02931	0.52749	0.085522	0.06481	-0.20227	1.06E-05
0.22128	0.066603	0.15071	0.02895	0.53258	0.108123	0.01943	-0.25465	2.40E-08
0.79944	-0.09136	0.04848	-0.09461	0.04099	0.034259	0.46017	-0.08562	0.06451
0.52757	-0.146	0.00156	-0.12714	0.00593	-0.04014	0.38681	0.010871	0.81475
0.00025	-0.19131	3.16E-05	-0.05444	0.24032	-0.03093	0.50491	0.145508	0.00162
0.09489	0.191722	3.04E-05	0.191673	3.05E-05	0.000132	0.99772	-0.021	0.65074
0.00017	0.206365	6.92E-06	0.060596	0.19115	0.008006	0.86301	-0.05164	0.26544
0.72317	0.110876	0.01653	0.066592	0.15077	0.040702	0.38016	-0.19449	2.32E-05
0.00568	-0.14977	0.00117	-0.12171	0.00846	-0.00129	0.97788	0.037606	0.41749
0.0004	-0.0775	0.09436	-0.01545	0.73912	-0.09551	0.03909	0.070554	0.12788
0.00084	-0.12958	0.00504	0.012376	0.78967	0.020316	0.66146	-0.17298	0.00017
0.0003	-0.29349	9.90E-11	-0.14111	0.00224	-0.05768	0.21346	0.064068	0.1669
0.31101	-0.00061	0.98955	0.04328	0.3507	-0.02441	0.59873	-0.20185	1.10E-05
0.12922	-0.15083	0.00108	0.035747	0.44091	-0.02732	0.55598	-0.15438	0.00082
0.0579	0.159354	0.00055	-0.0536	0.24763	0.003696	0.93651	-0.04271	0.35711
0.7621	0.064955	0.16109	0.035085	0.44942	-0.00512	0.9122	-0.04858	0.2948
0.05308	0.12973	0.00499	-0.03271	0.48077	0.017493	0.70615	-0.07434	0.10863
0.87631	-0.02476	0.5935	-0.02038	0.66049	0.040389	0.38385	-0.23113	4.42E-07
0.01683	0.120069	0.0094	0.050003	0.28087	-0.02369	0.6096	0.013689	0.76796
0.02059	-0.18065	8.65E-05	0.037204	0.4225	-0.10086	0.0293	-0.13773	0.00286
6.83E-10	-0.34305	2.42E-14	-0.04907	0.28995	-0.17242	0.00018	0.032481	0.48378
0.001	-0.1335	0.00385	0.024407	0.59881	0.00958	0.83641	-0.23458	2.94E-07
0.25068	0.184602	5.99E-05	0.032917	0.47793	0.043157	0.35207	-0.12839	0.00546
0.66209	0.082305	0.07559	0.059106	0.20231	0.023431	0.61352	-0.12679	0.00608
0.00065	0.175807	0.00013	-0.03941	0.39546	-0.0086	0.85302	-0.17427	0.00015
4.82E-10	0.330793	2.19E-13	-0.02711	0.55901	0.039189	0.39815	-0.22614	7.89E-07
0.00302	0.19743	1.73E-05	-0.05339	0.24951	0.10962	0.0178	-0.06228	0.1791
1.77E-12	0.338663	5.38E-14	0.147542	0.00139	0.09068	0.05018	-0.03413	0.46182
0.03388	-0.13401	0.00372	-0.04791	0.30151	-0.06292	0.17465	0.06578	0.15583
1.24E-07	-0.22223	1.23E-06	0.018819	0.68502	0.118319	0.0105	-0.21357	3.21E-06
8.32E-08	-0.29512	7.72E-11	-0.13183	0.00432	-0.10775	0.01985	0.033435	0.47103
1.78E-05	-0.10649	0.02136	0.013183	0.7763	0.087887	0.05772	-0.29591	6.83E-11
0.1402	0.115684	0.01236	-0.03673	0.42845	-0.0338	0.46618	-0.1327	0.00407
0.00046	0.25608	1.99E-08	0.120774	0.00899	0.173597	0.00016	-0.09068	0.05017
0.03894	0.054625	0.23873	-0.09548	0.03917	-0.10142	0.02842	0.196877	1.83E-05
0.45224	-0.05934	0.20055	0.025691	0.57972	-0.00998	0.82967	-0.2414	1.28E-07
0.79816	0.152485	0.00095	0.155369	0.00075	0.118937	0.0101	-0.06279	0.17553
0.74278	0.104697	0.02366	0.087036	0.06019	0.012941	0.7803	-0.22519	8.80E-07



4.36E-09	-0.22185	1.29E-06	0.012685	0.78455	-0.01488	0.74846	-0.31606	2.71E-12
0.01083	-0.09004	0.05184	0.001232	0.97882	-0.03689	0.42641	-0.22464	9.38E-07
0.08998	-0.1467	0.00148	-0.05702	0.21875	-0.02425	0.60111	0.017299	0.70926
0.09348	0.118347	0.01048	0.089406	0.05351	-0.00583	0.90003	-0.16565	0.00032
5.99E-05	-0.18796	4.36E-05	0.05046	0.2765	-0.00506	0.91315	-0.32381	7.34E-13
0.48229	0.087203	0.0597	0.058159	0.20965	0.173656	0.00016	-0.0139	0.76452
4.70E-05	-0.21849	1.87E-06	-0.04055	0.38197	-0.01656	0.72109	-0.07878	0.08904
5.58E-08	-0.2845	3.81E-10	-0.02823	0.54284	-0.07369	0.11178	-0.1552	0.00076
1.37E-05	-0.22221	1.23E-06	-0.01881	0.68514	-0.06361	0.16995	-0.17073	0.00021
0.00283	-0.11779	0.01085	0.016154	0.72771	-0.02227	0.63117	-0.09619	0.03771
0.35504	-0.03222	0.48737	0.020839	0.65331	-0.00696	0.88075	-0.17955	9.56E-05
0.10589	-0.04832	0.29738	-0.06659	0.1508	-0.0368	0.4275	0.150424	0.00111
0.53546	0.092639	0.0454	0.009614	0.83585	-0.01813	0.69593	-0.05643	0.22351
0.97533	0.036778	0.42783	0.069197	0.1354	0.03315	0.47482	-0.09701	0.03611
1.09E-05	0.365031	3.63E-16	0.229552	5.32E-07	0.123344	0.00762	-0.06531	0.15879
0.10458	-0.09306	0.04442	-0.01127	0.80814	-0.04351	0.34811	-0.1265	0.0062
0.00146	0.247619	5.91E-08	0.090777	0.04994	0.012782	0.78294	-0.15548	0.00075
0.00182	0.196317	1.93E-05	0.094929	0.04031	-0.08717	0.0598	-0.09554	0.03903
0.36132	0.006848	0.88267	0.063904	0.16799	0.070739	0.12689	-0.07263	0.117
0.01011	0.202898	9.92E-06	0.131228	0.0045	0.101479	0.02832	-0.13057	0.00471
2.60E-07	-0.19657	1.88E-05	-0.01482	0.74933	-0.08581	0.06391	-0.13691	0.00303
0.02828	0.382498	1.02E-17	0.0457	0.3244	0.187819	4.42E-05	-0.09526	0.03962
8.99E-05	0.278344	9.34E-10	0.128882	0.00528	0.070178	0.12993	-0.1026	0.02661
0.84269	0.008628	0.85248	-0.00071	0.98774	-0.04131	0.37311	-0.15107	0.00106
1.86E-06	-0.33299	1.48E-13	-0.01499	0.74667	-0.08113	0.07987	0.100488	0.02991
0.38173	0.102758	0.02638	0.142905	0.00196	0.078371	0.09071	0.015597	0.73675
0.57428	-0.0761	0.10047	-0.0844	0.06841	-0.05498	0.23565	-0.04209	0.36416
0.00272	0.161521	0.00046	0.054563	0.23926	0.100476	0.02993	0.271427	2.49E-09
0.62374	0.142368	0.00204	0.128654	0.00536	0.03942	0.39537	-0.18124	8.19E-05
0.08243	0.099153	0.03217	0.072753	0.1164	0.07053	0.12802	-0.094	0.04231
0.01761	0.210822	4.32E-06	0.054612	0.23884	0.048547	0.29514	0.039222	0.39774
0.09047	-0.0321	0.48891	0.042938	0.35453	-0.00646	0.88928	-0.17788	0.00011
0.00098	0.119394	0.00981	0.044271	0.33977	-0.00298	0.94871	-0.11193	0.01552
0.46433	0.079674	0.08545	-0.15954	0.00054	-0.03583	0.43988	0.036911	0.42615
0.83702	0.115744	0.01232	0.15962	0.00054	0.143734	0.00185	-0.20695	6.51E-06
0.02828	0.198759	1.51E-05	0.051789	0.26403	0.066592	0.15077	-0.20673	6.66E-06
0.00586	-0.09594	0.03823	0.091817	0.04736	-0.03277	0.47995	0.073737	0.11153
3.32E-09	-0.16293	0.00041	-0.0558	0.22878	0.079434	0.0864	-0.15964	0.00053
0.92362	-0.10072	0.02954	0.086071	0.0631	-0.05613	0.22599	-0.17255	0.00018
0.57729	0.139796	0.00246	-0.01956	0.67324	0.041186	0.37452	-0.18189	7.71E-05
0.0003	-0.17564	0.00014	-0.03977	0.39118	0.024144	0.60276	-0.24048	1.44E-07
2.97E-05	-0.08727	0.0595	0.087614	0.0585	0.065244	0.15923	-0.17988	9.28E-05
0.06964	0.197349	1.74E-05	0.179758	9.38E-05	0.060185	0.19418	-0.01794	0.69903
0.12955	-0.01636	0.72432	-0.04197	0.36552	0.004093	0.92971	0.110284	0.01712
0.12281	0.220023	1.58E-06	0.095835	0.03843	0.207266	6.30E-06	-0.20614	7.09E-06

0.02334	0.234079	3.12E-07	0.08065	0.08168	0.149098	0.00123	-0.15536	0.00075
0.23679	0.076667	0.09797	0.045815	0.32318	0.099181	0.03212	-0.11732	0.01117
1.53E-05	-0.08627	0.06251	0.104712	0.02364	0.073233	0.114	-0.22027	1.54E-06
0.06308	0.137978	0.00281	0.124699	0.00697	0.064167	0.16624	-0.1518	0.001
0.39898	0.023875	0.60681	0.066547	0.15105	0.1586	0.00058	0.057936	0.21141
0.3232	0.071504	0.12282	0.074384	0.10841	0.13167	0.00437	-0.09032	0.05111
0.00816	-0.08768	0.0583	-0.03672	0.42856	0.054983	0.23566	-0.2414	1.29E-07
0.01197	0.151785	0.001	0.159226	0.00055	-0.00248	0.95737	-0.05692	0.21955
0.02077	0.101609	0.02812	-0.00265	0.95447	0.041326	0.3729	-0.26894	3.52E-09
0.9775	0.003063	0.94736	-0.05605	0.22665	-0.03542	0.44507	-0.16015	0.00051
0.96427	-0.08372	0.07068	-0.00858	0.85327	0.058431	0.20753	0.083533	0.07131
0.05055	-0.14067	0.00231	0.043184	0.35178	-0.02024	0.66257	-0.0981	0.03405
0.12949	-0.04773	0.30333	0.16092	0.00048	0.046604	0.31491	-0.15849	0.00059
2.82E-09	-0.28922	1.89E-10	-0.05451	0.2397	-0.14406	0.0018	0.037556	0.41811
9.92E-08	-0.2123	3.68E-06	-0.09343	0.04359	-0.09641	0.03728	-0.01616	0.72765
6.26E-09	-0.26648	4.93E-09	-0.03162	0.49544	0.020287	0.66191	-0.02783	0.54862
2.61E-08	0.385693	5.17E-18	0.032855	0.47876	0.11222	0.01526	-0.05904	0.20285
7.00E-09	0.452404	6.11E-25	0.133911	0.00374	0.098787	0.03282	-0.08025	0.08323
6.15E-05	0.341055	3.48E-14	0.034144	0.46167	0.071262	0.1241	-0.14061	0.00232
2.08E-06	-0.24687	6.50E-08	0.042787	0.35623	-0.00782	0.86619	-0.28444	3.85E-10
0.02283	0.041738	0.36815	0.054625	0.23872	0.098394	0.03352	-0.11098	0.01642
0.60867	0.042427	0.36029	0.056156	0.2258	0.070801	0.12655	-0.1377	0.00286
1.22E-09	0.184009	6.33E-05	-0.1579	0.00062	-0.07531	0.10409	0.197667	1.69E-05
0.0622	0.116485	0.01177	0.055621	0.23026	0.02262	0.62586	-0.08038	0.08271
0.78244	0.000854	0.98531	0.045811	0.32322	0.029676	0.52235	-0.16932	0.00024
1.23E-06	-0.20215	1.07E-05	-0.0197	0.67109	-0.05353	0.24826	-0.17339	0.00017
2.28E-06	-0.3046	1.75E-11	-0.02801	0.546	-0.10236	0.02698	0.028558	0.53815
0.22936	-0.05662	0.22201	-0.01049	0.82107	-0.02249	0.62785	-0.21785	2.01E-06
0.65222	0.018529	0.68962	0.011891	0.79773	0.004814	0.91737	-0.18149	8.00E-05
0.74824	0.122132	0.00824	0.152822	0.00092	0.099669	0.03128	-0.17993	9.23E-05
1.29E-06	0.39106	1.63E-18	0.195953	2.00E-05	0.155805	0.00073	0.034218	0.4607
0.00012	0.089703	0.05272	-0.07797	0.09239	-0.02582	0.57777	0.036555	0.43064
0.32284	0.183358	6.73E-05	0.141209	0.00222	0.041032	0.37631	-0.14673	0.00148
0.03737	-0.10542	0.02271	-0.00778	0.86679	-0.02315	0.61781	-0.17717	0.00012
0.04694	0.192791	2.73E-05	0.098183	0.03391	0.203255	9.56E-06	0.034977	0.45081
6.97E-05	-0.10723	0.02047	0.053452	0.24898	-0.0243	0.60049	-0.13276	0.00405
0.04924	0.158233	0.0006	0.055582	0.23059	0.053755	0.2463	0.096849	0.03642
0.16511	0.059142	0.20204	0.06335	0.17172	0.041686	0.36875	-0.19247	2.82E-05
0.84081	0.178715	0.0001	0.086568	0.06159	0.014313	0.75771	-0.16833	0.00026
0.02877	0.210911	4.28E-06	0.21672	2.28E-06	0.051808	0.26385	-0.1365	0.00312
7.18E-13	0.365449	3.34E-16	-0.01685	0.71652	0.058967	0.20338	0.056862	0.22001
0.03927	0.184961	5.79E-05	0.015589	0.73687	-0.01957	0.67316	-0.02825	0.54255
0.07166	-0.04816	0.29899	0.047843	0.3022	0.029955	0.51845	-0.12341	0.00758
0.69328	0.097137	0.03586	0.20111	1.19E-05	0.12138	0.00865	-0.1289	0.00528
0.82472	-0.0587	0.20545	-0.19301	2.68E-05	-0.10201	0.02751	0.072551	0.11742

0.11011	0.188269	4.23E-05	0.065399	0.15824	0.106568	0.02126	0.051463	0.26705
0.37483	-0.01591	0.73163	-0.07148	0.12293	0.022819	0.62282	-0.04451	0.33721
0.20666	-0.03458	0.45599	0.049351	0.2872	0.017802	0.70119	-0.21995	1.59E-06
0.82568	0.022131	0.63334	-0.03313	0.47508	-0.02357	0.61145	-0.2725	2.14E-09
0.18205	0.108422	0.0191	0.107383	0.02028	0.108048	0.01952	-0.07762	0.09385
0.80831	0.070831	0.12639	-0.00205	0.96484	0.057617	0.21394	-0.24768	5.87E-08
2.54E-05	0.348393	8.98E-15	0.094177	0.04193	0.228281	6.17E-07	-0.00335	0.94241
0.8977	0.002356	0.9595	0.03315	0.47483	-0.03441	0.45818	-0.24298	1.06E-07
9.94E-07	0.340988	3.53E-14	-0.00065	0.98889	0.127804	0.00568	-0.09201	0.04689
0.32577	0.019486	0.67448	0.001488	0.97441	0.079287	0.08699	-0.28142	5.99E-10
0.88374	0.013171	0.7765	0.058292	0.20861	0.046793	0.31295	-0.13848	0.00271
9.27E-11	0.403164	1.11E-19	0.161061	0.00048	0.202549	1.03E-05	0.190374	3.46E-05
0.76883	0.06601	0.15438	0.065459	0.15786	0.028313	0.54164	-0.09345	0.04354
4.36E-05	0.343823	2.10E-14	0.197887	1.65E-05	0.101211	0.02875	-0.0733	0.11367
0.02227	-0.13412	0.00369	-0.11941	0.0098	0.016898	0.7157	0.093693	0.043
0.14935	0.100374	0.0301	0.021091	0.64939	0.08124	0.07946	-0.11513	0.01279
0.01004	0.162297	0.00043	0.07604	0.10075	0.032036	0.4898	0.024957	0.5906
0.00012	0.237954	1.96E-07	0.105366	0.02277	0.111597	0.01583	-0.06056	0.19145
0.00297	-0.21218	3.73E-06	-0.02015	0.66409	-0.07946	0.08631	-0.22474	9.27E-07
7.20E-12	0.324122	6.96E-13	0.073529	0.11255	-0.00801	0.86289	0.302276	2.53E-11
0.04585	0.168976	0.00024	0.277371	1.07E-09	0.132215	0.00421	-0.04292	0.35477
6.04E-06	0.381232	1.33E-17	0.163825	0.00038	0.121409	0.00863	0.037927	0.41352
1.97E-12	0.358114	1.41E-15	0.004282	0.92647	0.115243	0.0127	-0.08112	0.07991
7.17E-09	0.206512	6.81E-06	0.053947	0.24461	0.068054	0.14199	-0.12312	0.00773
0.01216	0.13435	0.00363	0.072357	0.1184	0.186765	4.89E-05	0.073707	0.11167
0.36535	0.082366	0.07537	-0.02018	0.66363	-0.10045	0.02998	-0.2144	2.94E-06
0.00052	0.274522	1.61E-09	0.19055	3.40E-05	0.151887	0.00099	0.131781	0.00434
2.61E-12	0.406665	5.02E-20	0.080965	0.08049	0.156922	0.00067	-0.02654	0.5672
2.39E-07	0.272169	2.24E-09	0.142806	0.00198	0.016093	0.72869	-0.024	0.60495
0.22146	0.098542	0.03325	0.020867	0.65287	0.215462	2.61E-06	-0.0795	0.08615
0.88423	0.046097	0.32021	0.146009	0.00156	0.090359	0.05101	-0.07539	0.1037
2.48E-10	0.363622	4.80E-16	0.138461	0.00271	0.128417	0.00545	0.037419	0.41981
2.03E-06	-0.18279	7.09E-05	0.225422	8.57E-07	-0.0306	0.50946	-0.15462	0.0008
0.08267	0.168464	0.00026	0.059423	0.1999	0.031501	0.49708	-0.07407	0.10989
4.12E-06	0.316889	2.36E-12	0.186824	4.86E-05	0.152021	0.00098	0.080562	0.08201
7.10E-06	-0.24893	5.01E-08	-0.02621	0.57213	-0.08415	0.06924	-0.03383	0.46582
0.33919	0.145778	0.00158	0.111201	0.01621	0.069487	0.13377	-0.05485	0.23677
1.97E-06	0.353048	3.73E-15	0.135017	0.00346	0.176427	0.00013	0.003229	0.94452
0.0001	0.257986	1.55E-08	0.210596	4.42E-06	0.164058	0.00037	-0.05346	0.24894
0.44817	0.08896	0.05472	0.164707	0.00035	0.058962	0.20342	-0.16636	0.00031
0.49943	0.110005	0.0174	0.033265	0.47329	0.090285	0.0512	-0.16721	0.00028
4.07E-13	-0.29269	1.12E-10	-0.14898	0.00124	-0.06543	0.15802	-0.35589	2.17E-15
0.12113	0.176676	0.00012	0.240435	1.45E-07	0.193866	2.46E-05	0.244632	8.61E-08
0.0165	0.114724	0.01311	0.168752	0.00025	0.206768	6.63E-06	0.300826	3.18E-11
7.01E-05	0.231647	4.16E-07	0.206291	6.97E-06	0.202389	1.05E-05	0.39932	2.64E-19

0.03516	0.141266	0.00221	0.236876	2.23E-07	0.253744	2.70E-08	0.316061	2.71E-12
0.00746	0.187694	4.47E-05	0.105125	0.02309	0.110709	0.01669	0.169592	0.00023
0.1985	0.101582	0.02816	0.17099	0.00021	0.167457	0.00028	0.23134	4.31E-07
0.52521	0.107968	0.01961	0.256947	1.77E-08	0.265496	5.65E-09	0.263795	7.11E-09
0.01671	0.162485	0.00042	0.155612	0.00074	0.173808	0.00016	0.256686	1.84E-08
0.00318	0.169607	0.00023	0.197429	1.73E-05	0.218633	1.84E-06	0.312093	5.22E-12
0.00428	0.1947	2.27E-05	0.133339	0.00389	0.122554	0.00802	0.18212	7.55E-05
0.076	0.051852	0.26345	0.089887	0.05223	0.068036	0.1421	-0.02835	0.54117
0.03749	0.148491	0.00129	0.199925	1.34E-05	0.221728	1.30E-06	0.267717	4.16E-09
0.01494	0.112211	0.01526	0.406837	4.83E-20	0.167585	0.00028	0.143464	0.00188
0.83291	0.097214	0.03572	0.131332	0.00447	0.149763	0.00117	0.157512	0.00064
0.0016	0.190555	3.40E-05	0.2467	6.64E-08	0.26462	6.36E-09	0.359777	1.02E-15
0.00304	0.187586	4.52E-05	0.150492	0.00111	0.149398	0.0012	0.265265	5.83E-09
2.75E-05	0.225522	8.48E-07	0.222752	1.16E-06	0.336159	8.44E-14	0.300302	3.46E-11
0.28956	0.130286	0.0048	0.128088	0.00557	0.117368	0.01114	0.082919	0.07343
0.68813	0.038607	0.40519	0.08785	0.05782	0.11015	0.01725	0.049494	0.28581
0.07127	0.121978	0.00832	0.190356	3.47E-05	0.243604	9.78E-08	0.239295	1.66E-07
0.04391	0.084177	0.06915	0.107136	0.02058	0.109648	0.01777	0.096178	0.03774
0.1233	0.101241	0.0287	0.221088	1.40E-06	0.263258	7.65E-09	0.25059	4.05E-08
0.48187	0.003321	0.94295	0.104632	0.02374	0.108313	0.01922	0.110647	0.01676
0.0013	0.139506	0.00252	0.10304	0.02597	0.108983	0.01848	0.235839	2.53E-07
0.20626	0.107323	0.02035	0.190477	3.42E-05	0.220246	1.54E-06	0.193904	2.45E-05
0.15444	0.108434	0.01908	0.188693	4.07E-05	0.214856	2.79E-06	0.235138	2.75E-07
0.0043	0.212702	3.53E-06	0.169884	0.00023	0.143728	0.00185	0.25119	3.75E-08
0.02679	0.169083	0.00024	0.219433	1.69E-06	0.259799	1.22E-08	0.311353	5.89E-12
0.03887	0.138224	0.00276	0.15306	0.00091	0.144923	0.00169	0.19011	3.55E-05
0.00829	0.17092	0.00021	0.189153	3.89E-05	0.199481	1.41E-05	0.247174	6.26E-08
0.02633	0.1209	0.00892	0.209259	5.10E-06	0.208188	5.71E-06	0.24524	7.98E-08
0.01462	0.16146	0.00046	0.182114	7.55E-05	0.240827	1.38E-07	0.2669	4.66E-09
0.14114	0.103622	0.02513	0.161894	0.00044	0.1904	3.45E-05	0.253775	2.69E-08
0.36163	0.03258	0.48245	0.156359	0.0007	0.132504	0.00413	0.054924	0.23617
0.00035	0.128016	0.0056	0.024408	0.59881	0.009914	0.8308	0.329944	2.54E-13
0.40405	0.069901	0.13146	0.198511	1.55E-05	0.236899	2.22E-07	0.179826	9.32E-05
0.04781	0.136333	0.00316	0.169648	0.00023	0.181884	7.72E-05	0.188688	4.07E-05
0.25733	0.066724	0.14996	0.14418	0.00179	0.182691	7.16E-05	0.258167	1.51E-08
0.00335	0.183761	6.48E-05	0.12007	0.0094	0.65385	2.69E-58	0.124031	0.00729
0.0183	0.16449	0.00036	0.276881	1.15E-09	0.150331	0.00112	0.237245	2.13E-07
0.02642	0.162577	0.00042	0.185212	5.66E-05	0.222216	1.23E-06	0.228351	6.12E-07
0.54811	0.017401	0.70762	0.111033	0.01637	0.096377	0.03734	0.063465	0.17094
0.00165	0.177195	0.00012	0.151261	0.00104	0.165541	0.00033	0.216595	2.31E-06
0.00053	0.191959	2.97E-05	0.183768	6.48E-05	0.202254	1.06E-05	0.290972	1.45E-10
0.74419	-0.0206	0.65702	0.080027	0.08407	0.085206	0.06581	0.092998	0.04457
0.00935	0.112547	0.01496	0.123207	0.00769	0.098813	0.03277	0.244012	9.30E-08
0.00123	0.172836	0.00017	0.174535	0.00015	0.184188	6.23E-05	0.320525	1.28E-12
0.5722	0.07036	0.12894	0.151745	0.001	0.236484	2.34E-07	0.22295	1.14E-06

0.00019	0.209408	5.02E-06	0.199499	1.40E-05	0.21317	3.35E-06	0.336256	8.29E-14
0.05568	0.123201	0.00769	0.180807	8.52E-05	0.202314	1.05E-05	0.221378	1.36E-06
0.01384	0.157804	0.00062	0.18908	3.92E-05	0.196707	1.86E-05	0.287196	2.56E-10
0.00458	0.158808	0.00057	0.207503	6.14E-06	0.216863	2.24E-06	0.276463	1.22E-09
0.00061	0.182299	7.43E-05	0.117382	0.01113	0.107396	0.02027	0.194809	2.24E-05
0.02979	0.125359	0.00668	0.201417	1.15E-05	0.226038	7.99E-07	0.231948	4.01E-07
0.00023	0.305183	1.60E-11	0.198479	1.56E-05	0.259599	1.25E-08	0.119694	0.00963
0.88722	-0.03954	0.39395	0.112413	0.01508	0.052498	0.25754	0.251872	3.44E-08
0.4982	0.053255	0.25073	0.284831	3.63E-10	0.161672	0.00045	0.209304	5.08E-06
0.03988	0.177203	0.00012	0.170331	0.00022	0.154446	0.00081	0.250294	4.21E-08
0.45923	0.049222	0.28847	0.183613	6.57E-05	0.211391	4.06E-06	0.292397	1.17E-10
0.5806	0.06421	0.16596	0.168827	0.00025	0.23024	4.91E-07	0.257832	1.58E-08
0.00135	0.222717	1.17E-06	0.192565	2.80E-05	0.199938	1.34E-05	0.325089	5.89E-13
0.00523	0.169316	0.00024	0.178495	0.00011	0.160832	0.00048	0.291527	1.34E-10
0.11611	0.085946	0.06349	0.170551	0.00021	0.177361	0.00012	0.286473	2.85E-10
0.35601	0.062058	0.18064	0.162128	0.00044	0.147364	0.00141	0.159023	0.00056
0.05451	0.113381	0.01423	0.155875	0.00072	0.16983	0.00023	0.192884	2.71E-05
0.00083	0.206205	7.04E-06	0.193473	2.56E-05	0.196483	1.90E-05	0.36874	1.73E-16
0.18388	0.141174	0.00223	0.177751	0.00011	0.22034	1.52E-06	0.183775	6.47E-05
0.01339	0.119242	0.0099	0.191684	3.05E-05	0.18904	3.93E-05	0.312209	5.12E-12
0.19169	0.122828	0.00788	0.151243	0.00104	0.164539	0.00036	0.213159	3.36E-06
0.00023	0.258725	1.40E-08	0.251744	3.49E-08	0.228304	6.15E-07	0.354775	2.68E-15
0.21741	0.108988	0.01848	0.190949	3.27E-05	0.220973	1.42E-06	0.226653	7.44E-07
0.74574	0.056493	0.22302	0.189151	3.89E-05	0.213849	3.12E-06	0.195605	2.07E-05
0.06727	0.105236	0.02294	0.202249	1.06E-05	0.213458	3.25E-06	0.222872	1.15E-06
0.04886	0.119553	0.00971	0.197196	1.77E-05	0.208903	5.30E-06	0.243142	1.04E-07
0.09988	0.063856	0.16831	0.125431	0.00665	0.113142	0.01443	0.174747	0.00015
0.28739	0.080987	0.08041	0.247538	5.97E-08	0.199257	1.44E-05	0.202026	1.08E-05
0.22498	0.077185	0.09571	0.207992	5.83E-06	0.22153	1.33E-06	0.249275	4.79E-08
0.01007	0.123981	0.00731	0.205668	7.44E-06	0.218098	1.96E-06	0.285723	3.18E-10
0.00136	0.145203	0.00165	0.189566	3.74E-05	0.218172	1.94E-06	0.359613	1.05E-15
0.00463	0.114433	0.01335	0.173888	0.00016	0.189754	3.67E-05	0.304119	1.89E-11
0.00471	0.151328	0.00104	0.182381	7.37E-05	0.216522	2.33E-06	0.288772	2.02E-10
0.00091	0.187461	4.57E-05	0.216395	2.36E-06	0.214251	2.98E-06	0.354057	3.08E-15
2.28E-05	0.276718	1.18E-09	0.132663	0.00408	0.197408	1.73E-05	0.216019	2.46E-06
0.01168	0.104162	0.02438	0.111353	0.01607	0.117359	0.01114	0.110199	0.01721
0.00121	0.12551	0.00661	0.133256	0.00392	0.101153	0.02884	0.185846	5.33E-05
0.23131	0.088459	0.0561	0.124373	0.00712	0.122386	0.0081	0.176946	0.00012
0.07925	0.128878	0.00528	0.141455	0.00218	0.141661	0.00215	0.242419	1.13E-07
0.00641	0.137564	0.00289	0.097554	0.03507	0.141985	0.0021	0.145214	0.00165
0.00172	0.120934	0.0089	0.081485	0.07856	0.115261	0.01269	0.227217	6.97E-07
0.64555	0.064714	0.16266	0.09189	0.04718	0.101178	0.0288	0.153246	0.00089
0.01405	0.090048	0.05181	0.13861	0.00268	0.176511	0.00013	0.235644	2.59E-07
0.00958	0.190045	3.57E-05	0.199035	1.47E-05	0.199088	1.46E-05	0.325416	5.57E-13
0.04924	0.172563	0.00018	0.155473	0.00075	0.223735	1.04E-06	0.078684	0.08942

0.52862	0.084344	0.0686	0.11364	0.014	0.141011	0.00226	0.126904	0.00603
0.23014	0.097504	0.03517	0.20079	1.23E-05	0.224698	9.31E-07	0.233552	3.32E-07
0.00343	0.172642	0.00018	0.175998	0.00013	0.185856	5.33E-05	0.308483	9.40E-12
0.20327	0.134453	0.0036	0.207232	6.32E-06	0.198416	1.56E-05	0.258028	1.54E-08
0.04823	0.145134	0.00166	0.166367	0.00031	0.243331	1.01E-07	0.291313	1.38E-10
0.01619	0.113099	0.01447	0.138184	0.00277	0.158359	0.00059	0.212961	3.43E-06
0.21088	0.100774	0.02945	0.110491	0.01691	0.13781	0.00284	0.036446	0.43201
0.29248	0.167675	0.00027	0.204786	8.16E-06	0.212241	3.71E-06	0.265948	5.31E-09
0.0182	0.128672	0.00536	0.162095	0.00044	0.147554	0.00139	0.192948	2.69E-05
0.00352	0.194775	2.25E-05	0.219349	1.70E-06	0.214105	3.03E-06	0.287961	2.28E-10
0.4627	0.117975	0.01072	0.101272	0.02865	0.106361	0.02151	0.134864	0.0035
0.0058	0.156063	0.00071	0.208296	5.65E-06	0.23249	3.77E-07	0.3179	2.00E-12
0.0047	0.151529	0.00102	0.169249	0.00024	0.199132	1.46E-05	0.245313	7.90E-08
0.03684	0.121217	0.00874	0.215169	2.70E-06	0.2293	5.48E-07	0.298668	4.46E-11
0.1348	0.101242	0.0287	0.16032	0.00051	0.21527	2.67E-06	0.174042	0.00016
0.001	0.233418	3.37E-07	0.193781	2.48E-05	0.284986	3.55E-10	0.293153	1.04E-10
0.13898	0.100723	0.02953	0.199877	1.35E-05	0.231722	4.12E-07	0.238333	1.87E-07
0.00305	0.192391	2.84E-05	0.173717	0.00016	0.150846	0.00108	0.163102	0.0004
9.08E-05	0.220996	1.42E-06	0.220223	1.54E-06	0.219183	1.73E-06	0.353348	3.52E-15
0.0075	0.129953	0.00491	0.193347	2.59E-05	0.14739	0.0014	0.15303	0.00091
0.00812	0.174203	0.00015	0.198931	1.49E-05	0.239501	1.62E-07	0.24237	1.14E-07
0.00351	0.16132	0.00047	0.229333	5.46E-07	0.227582	6.69E-07	0.37894	2.15E-17
0.00166	0.192998	2.68E-05	0.169938	0.00022	0.164456	0.00036	0.419467	2.51E-21
0.02398	0.205508	7.57E-06	0.182781	7.10E-05	0.154367	0.00082	0.184375	6.12E-05
0.19028	0.14117	0.00223	0.168978	0.00024	0.177357	0.00012	0.306268	1.34E-11
0.03546	0.172725	0.00018	0.130072	0.00487	0.304796	1.70E-11	0.178407	0.00011
0.00146	0.235546	2.62E-07	0.132161	0.00422	0.197484	1.72E-05	0.155826	0.00073
0.00045	0.188595	4.10E-05	0.224672	9.34E-07	0.193197	2.63E-05	0.300455	3.37E-11
0.92605	0.111025	0.01638	0.211131	4.18E-06	0.357252	1.67E-15	0.194591	2.29E-05
0.09797	0.100837	0.02934	0.212257	3.70E-06	0.249699	4.54E-08	0.26911	3.44E-09
0.00011	0.210524	4.46E-06	0.195337	2.13E-05	0.268394	3.79E-09	0.333801	1.29E-13
0.07934	0.121131	0.00879	0.211533	4.00E-06	0.232004	3.99E-07	0.267646	4.20E-09
0.03369	0.166599	0.0003	0.175617	0.00014	0.173715	0.00016	0.282348	5.23E-10
0.7773	0.03782	0.41484	0.115803	0.01227	0.140175	0.0024	0.105765	0.02226
0.00202	0.124561	0.00704	0.115217	0.01272	0.166116	0.00031	0.172177	0.00018
0.62115	0.00363	0.93765	0.117189	0.01126	0.132613	0.00409	0.144011	0.00181
0.99752	0.027795	0.54906	0.094229	0.04181	0.063527	0.17052	0.180059	9.13E-05
3.42E-10	0.465714	1.62E-26	0.222471	1.20E-06	0.210354	4.54E-06	0.238304	1.88E-07
0.00118	0.217333	2.13E-06	0.184838	5.86E-05	0.309918	7.45E-12	0.247668	5.88E-08
0.94687	0.014341	0.75725	0.131319	0.00448	0.1078	0.0198	0.12782	0.00567
0.20079	0.111539	0.01589	0.114939	0.01294	0.042169	0.36322	0.031858	0.49221
0.01999	0.131641	0.00438	0.134116	0.00369	0.11334	0.01426	0.183604	6.58E-05
0.8178	0.045112	0.33068	0.079177	0.08743	0.170474	0.00021	-0.03936	0.39606
0.59109	0.034065	0.46271	0.139417	0.00253	0.110669	0.01673	0.217878	2.00E-06
0.47043	0.07758	0.09402	0.123417	0.00758	0.169839	0.00023	0.268116	3.94E-09

0.99427	0.024775	0.59332	0.159166	0.00056	0.153326	0.00089	0.114964	0.01292
0.78197	0.042612	0.3582	0.146948	0.00145	0.145518	0.00162	0.183981	6.35E-05
0.781	0.034272	0.46	0.169634	0.00023	0.169231	0.00024	0.189902	3.62E-05
0.77205	0.020167	0.66378	0.10179	0.02784	0.098605	0.03314	0.031953	0.49092
0.07098	-0.07145	0.12308	0.087658	0.05837	0.221282	1.37E-06	0.107708	0.01991
0.36228	0.026122	0.57338	0.100023	0.03068	0.048333	0.29728	0.087755	0.05809
0.45077	0.029435	0.52574	0.12584	0.00647	0.153931	0.00085	0.105631	0.02243
0.25565	-0.04125	0.37379	0.108682	0.01881	0.169413	0.00024	0.010648	0.81848
0.11985	0.100012	0.0307	0.218179	1.94E-06	0.23628	2.40E-07	0.274838	1.54E-09
0.54974	0.049641	0.28438	0.223573	1.06E-06	0.244731	8.50E-08	0.233075	3.51E-07
0.2342	0.101294	0.02861	0.145184	0.00166	0.175907	0.00013	0.197863	1.65E-05
0.71213	0.023589	0.61112	0.178941	0.0001	0.180204	9.01E-05	0.136412	0.00314
1.30E-06	0.271481	2.47E-09	0.166257	0.00031	0.303906	1.96E-11	0.285888	3.11E-10
0.10969	0.110232	0.01717	0.171076	0.0002	0.15309	0.0009	0.248723	5.14E-08
0.11165	0.190374	3.46E-05	0.222998	1.13E-06	0.265243	5.84E-09	0.253573	2.76E-08
0.30355	0.083041	0.073	0.208523	5.51E-06	0.196879	1.83E-05	0.289331	1.86E-10
0.59871	0.057559	0.2144	0.190345	3.47E-05	0.240654	1.41E-07	0.19647	1.90E-05
0.61647	0.069678	0.1327	0.124237	0.00719	0.123054	0.00776	0.126762	0.00609
0.05829	0.096118	0.03786	0.260193	1.15E-08	0.218168	1.94E-06	0.221646	1.32E-06
0.17829	0.161749	0.00045	0.424335	7.77E-22	0.145032	0.00168	0.163855	0.00038
0.00031	0.238717	1.78E-07	0.125162	0.00677	0.130074	0.00487	0.10086	0.02931
0.06819	0.058302	0.20853	0.14095	0.00227	0.156464	0.00069	0.235272	2.70E-07
0.5293	0.070089	0.13042	0.030435	0.51176	0.032826	0.47915	0.074897	0.10599
0.1276	0.088361	0.05638	0.202207	1.06E-05	0.206342	6.94E-06	0.242635	1.10E-07
0.36845	0.077992	0.09228	0.133958	0.00373	0.098914	0.03259	0.125943	0.00643
0.11467	0.06586	0.15532	0.207303	6.27E-06	0.194867	2.23E-05	0.244073	9.23E-08
0.31524	-0.01715	0.71159	0.17653	0.00013	0.175014	0.00014	0.140904	0.00227
0.28287	0.056368	0.22405	0.225568	8.43E-07	0.323642	7.55E-13	0.146649	0.00148
0.84998	0.028943	0.53269	0.131585	0.00439	0.131546	0.00441	0.1217	0.00847
0.05664	-0.0401	0.3873	0.139935	0.00244	0.112013	0.01545	0.27571	1.36E-09
0.07105	-0.04361	0.34709	0.163441	0.00039	0.128315	0.00549	0.151853	0.001
0.32884	-0.02344	0.61345	0.109951	0.01746	0.107722	0.01989	0.107846	0.01975
0.73742	0.01914	0.67994	0.127439	0.00582	0.124601	0.00702	0.223194	1.11E-06
0.36063	0.088521	0.05593	0.152371	0.00096	0.175813	0.00013	0.180095	9.10E-05
0.01807	0.20713	6.39E-06	0.170842	0.00021	0.214351	2.95E-06	0.196099	1.97E-05
0.82582	0.050093	0.28001	0.169561	0.00023	0.153366	0.00088	0.209392	5.03E-06
0.10527	0.136151	0.0032	0.33063	2.25E-13	0.38601	4.84E-18	0.210917	4.27E-06
0.40806	0.043417	0.34919	0.200961	1.21E-05	0.213936	3.09E-06	0.168057	0.00026
0.34322	0.059843	0.19674	0.177002	0.00012	0.179622	9.50E-05	0.182828	7.07E-05
0.33481	0.053067	0.25241	0.154363	0.00082	0.17807	0.00011	0.138185	0.00277
0.48516	0.076487	0.09876	0.114623	0.01319	0.131437	0.00444	0.076796	0.0974
0.08326	0.10472	0.02363	0.254896	2.32E-08	0.208553	5.50E-06	0.220314	1.53E-06
0.55409	0.043465	0.34865	0.121302	0.00869	0.117206	0.01125	0.109144	0.01831
0.52639	0.058725	0.20524	0.181498	8.00E-05	0.153175	0.0009	0.176895	0.00012
0.95532	0.032755	0.48011	0.426724	4.34E-22	0.161336	0.00047	0.077278	0.09531

0.79665	0.096707	0.03669	0.153334	0.00089	0.122168	0.00822	0.070319	0.12916
0.46608	0.109128	0.01832	0.115611	0.01242	0.117847	0.01081	0.124749	0.00695
0.00806	-0.06992	0.13135	0.100653	0.02964	0.092319	0.04616	0.061473	0.18479
0.00062	-0.07908	0.0878	0.15513	0.00077	0.250075	4.33E-08	0.083745	0.0706
0.88042	0.039262	0.39727	0.097646	0.0349	0.093167	0.04418	0.078581	0.08985
0.11054	0.127507	0.00579	0.107439	0.02022	0.301776	2.74E-11	0.088631	0.05563
0.69694	0.089201	0.05406	0.102642	0.02655	0.13332	0.0039	0.126283	0.00628
0.52892	0.038864	0.40207	0.151861	0.00099	0.146199	0.00154	0.152748	0.00093
0.82171	0.023635	0.61042	0.134049	0.00371	0.134891	0.00349	0.115992	0.01213
0.64939	-0.04288	0.35522	0.074194	0.10932	0.06013	0.19459	0.059384	0.2002
0.00031	0.248434	5.33E-08	0.2453	7.92E-08	0.15356	0.00087	0.247931	5.68E-08
0.19624	-0.02285	0.62235	0.167776	0.00027	0.191954	2.97E-05	0.140646	0.00232
0.40445	0.1116	0.01583	0.117994	0.01071	0.327539	3.86E-13	0.12924	0.00516
0.03252	-0.10554	0.02255	0.086173	0.06279	0.075359	0.10385	0.006624	0.88647
0.37314	0.140748	0.0023	0.149727	0.00117	0.349546	7.24E-15	0.079104	0.08772
0.64298	0.034105	0.46219	0.083197	0.07246	0.063113	0.17333	0.055974	0.22731
0.98517	0.026497	0.56788	0.167227	0.00028	0.176112	0.00013	0.140368	0.00236
0.47891	0.036019	0.43743	0.168255	0.00026	0.16803	0.00026	0.182276	7.44E-05
0.00017	0.222463	1.20E-06	0.209533	4.95E-06	0.252749	3.07E-08	0.327928	3.61E-13
0.23531	0.067576	0.14482	0.169951	0.00022	0.195566	2.08E-05	0.19406	2.41E-05
0.49168	-0.0166	0.72044	0.096814	0.03648	0.203323	9.49E-06	0.115264	0.01268
0.07305	0.132659	0.00408	0.121448	0.00861	0.136596	0.0031	0.175526	0.00014
0.09484	0.02921	0.52891	0.105642	0.02242	0.112289	0.01519	0.148861	0.00125
0.93597	0.143971	0.00181	0.142343	0.00205	0.214165	3.01E-06	0.148569	0.00128
0.53058	-0.07106	0.12515	0.120254	0.00929	0.137251	0.00296	0.110794	0.01661
0.692	0.003998	0.93134	0.198519	1.55E-05	0.246338	6.95E-08	0.177078	0.00012
0.75592	0.033867	0.46532	0.137558	0.00289	0.136956	0.00302	0.115564	0.01245
0.57354	0.072297	0.11871	0.153682	0.00086	0.147225	0.00142	0.220078	1.57E-06
0.76322	-0.01347	0.77163	0.11611	0.01204	0.120966	0.00888	0.079079	0.08782
0.48216	0.075825	0.10172	0.199493	1.40E-05	0.25987	1.21E-08	0.220272	1.54E-06
0.69408	0.038399	0.40774	0.15672	0.00068	0.182662	7.18E-05	0.215095	2.72E-06
0.52348	0.072527	0.11754	0.213533	3.23E-06	0.227948	6.41E-07	0.195507	2.09E-05
0.64868	0.00702	0.87974	0.125501	0.00662	0.098657	0.03305	0.101801	0.02782
0.18579	0.119948	0.00947	0.172364	0.00018	0.118881	0.01013	0.180704	8.60E-05
0.28855	0.0654	0.15824	0.184756	5.91E-05	0.201535	1.14E-05	0.242833	1.08E-07
0.88628	0.011053	0.81171	0.134717	0.00354	0.120146	0.00935	0.207604	6.08E-06
0.24869	0.073726	0.11158	0.194137	2.40E-05	0.204739	8.20E-06	0.267507	4.29E-09
0.6024	0.028251	0.54253	0.170094	0.00022	0.167027	0.00029	0.145829	0.00158
0.4491	-0.01831	0.69307	0.178705	0.0001	0.178936	0.0001	0.125608	0.00657
0.37329	0.065464	0.15783	0.19405	2.42E-05	0.205168	7.84E-06	0.247142	6.28E-08
0.87014	0.042061	0.36445	0.120847	0.00895	0.231061	4.46E-07	0.120001	0.00944
0.68185	0.067991	0.14236	0.13915	0.00258	0.146335	0.00152	0.201101	1.19E-05
0.13217	0.069892	0.13151	0.173213	0.00017	0.21916	1.74E-06	0.209461	4.99E-06
0.27622	0.074711	0.10687	0.192841	2.72E-05	0.185633	5.44E-05	0.255022	2.28E-08
0.55612	0.068584	0.1389	0.290112	1.65E-10	0.225155	8.84E-07	0.225665	8.34E-07



0.4851	-0.01959	0.67277	0.115049	0.01285	0.118257	0.01054	0.132778	0.00405
0.52134	0.013292	0.77451	0.170038	0.00022	0.18097	8.39E-05	0.17078	0.00021
0.14613	0.078867	0.08868	0.189939	3.61E-05	0.198341	1.58E-05	0.21292	3.45E-06
0.05364	0.129413	0.0051	0.192925	2.70E-05	0.164484	0.00036	0.348392	8.98E-15
0.30645	0.063494	0.17074	0.190444	3.44E-05	0.196644	1.87E-05	0.207105	6.40E-06
0.78694	0.018321	0.69292	0.172189	0.00018	0.183024	6.94E-05	0.171701	0.00019
0.76021	0.038367	0.40812	0.099116	0.03224	0.079623	0.08565	0.049677	0.28403
0.68183	0.061064	0.18774	0.164678	0.00035	0.041923	0.36604	0.104439	0.024
0.73675	0.076437	0.09898	0.16456	0.00036	0.160478	0.0005	0.149296	0.00121
0.55747	0.034731	0.45401	0.149307	0.00121	0.12363	0.00748	0.13859	0.00269
0.61743	-0.02168	0.64031	0.132729	0.00406	0.125487	0.00662	0.145547	0.00161
0.92621	0.021844	0.63775	0.394067	8.46E-19	0.132216	0.00421	0.252964	2.98E-08
0.94595	0.050031	0.28061	0.169954	0.00022	0.119904	0.0095	0.047092	0.30986
0.98262	0.025766	0.57862	0.189101	3.91E-05	0.197861	1.65E-05	0.169863	0.00023
0.63778	0.032773	0.47987	0.152567	0.00094	0.122432	0.00808	0.190764	3.33E-05
0.83636	0.003698	0.93647	0.20221	1.06E-05	0.204357	8.53E-06	0.09257	0.04557
0.68566	0.028552	0.53823	0.054889	0.23646	0.022261	0.63134	-0.0857	0.06426
0.30514	0.055297	0.23299	0.180429	8.82E-05	0.178035	0.00011	0.189163	3.89E-05
0.41615	0.022752	0.62384	0.097642	0.03491	0.082994	0.07316	0.126692	0.00611
0.6991	0.018732	0.6864	-0.02105	0.64995	-0.02642	0.56901	0.011271	0.80807
0.04786	0.06531	0.15881	0.512892	1.08E-32	0.122616	0.00799	0.106659	0.02115
0.84597	0.041254	0.37373	0.187112	4.73E-05	0.036112	0.43625	0.006837	0.88285
0.1608	-0.05	0.28088	0.159598	0.00054	0.178707	0.0001	0.086835	0.06079
0.16305	0.068044	0.14205	0.275352	1.43E-09	0.146438	0.00151	0.117344	0.01116
0.02383	0.136661	0.00308	0.173495	0.00016	0.169775	0.00023	0.223954	1.01E-06
0.00013	-0.15571	0.00073	0.104713	0.02363	0.126908	0.00603	0.113869	0.01381
0.58633	0.044751	0.33456	0.073339	0.11348	0.076483	0.09878	0.134603	0.00357
0.32451	0.058076	0.2103	0.155499	0.00075	0.132771	0.00405	0.21964	1.65E-06
0.55539	0.023123	0.61819	0.139643	0.00249	0.119179	0.00994	0.05545	0.2317
0.42199	0.062354	0.17856	0.177153	0.00012	0.17416	0.00016	0.22886	5.76E-07
0.52813	0.08401	0.06971	0.157594	0.00063	0.161176	0.00047	0.061583	0.18401
0.32623	0.081682	0.07784	0.156457	0.00069	0.195675	2.06E-05	0.261408	9.81E-09
0.18503	0.172837	0.00017	0.224524	9.50E-07	0.301506	2.86E-11	0.203431	9.39E-06
0.01131	0.199835	1.36E-05	0.184425	6.09E-05	0.201158	1.19E-05	0.193944	2.44E-05
0.56555	-0.0276	0.55191	0.111976	0.01548	0.086488	0.06183	0.036888	0.42644
0.31856	-0.00309	0.94682	0.078129	0.09171	0.120062	0.0094	0.015779	0.73378
0.2247	-0.0901	0.05169	0.114706	0.01312	0.019259	0.67806	0.201728	1.12E-05
0.75371	0.00105	0.98195	0.199393	1.42E-05	0.194627	2.28E-05	0.154073	0.00084
0.12672	-0.04888	0.29188	0.177905	0.00011	0.135835	0.00327	0.062413	0.17816
0.94921	0.009221	0.84246	0.216956	2.22E-06	0.221081	1.40E-06	0.201019	1.20E-05
9.52E-05	0.197192	1.77E-05	0.222534	1.19E-06	0.193682	2.51E-05	0.066895	0.14892
0.0795	0.143932	0.00182	0.178212	0.00011	0.188512	4.14E-05	0.306774	1.24E-11
0.65354	0.040248	0.38551	0.160984	0.00048	0.17721	0.00012	0.186403	5.06E-05
0.73655	0.028899	0.5333	0.201244	1.18E-05	0.29882	4.36E-11	0.180841	8.49E-05
0.44204	0.010066	0.82824	0.146371	0.00152	0.119147	0.00996	0.190066	3.56E-05

0.7393	0.040692	0.38029	0.186274	5.12E-05	0.203524	9.30E-06	0.17723	0.00012
0.02495	0.195237	2.15E-05	0.136375	0.00315	0.1868	4.87E-05	0.177765	0.00011
0.9564	0.008375	0.85677	0.191823	3.01E-05	0.191259	3.18E-05	0.126389	0.00624
1.71E-46	0.582224	1.00E-43	0.108529	0.01898	-0.03385	0.46549	0.082692	0.07422
1.69E-70	0.741766	1.05E-82	0.147997	0.00134	0.105727	0.02231	0.260578	1.10E-08
6.82E-39	0.54388	2.62E-37	0.138511	0.0027	0.09314	0.04425	0.122764	0.00791
2.20E-21	0.423673	9.12E-22	0.114643	0.01318	-0.00856	0.85369	0.026291	0.5709
0.00014	0.200701	1.24E-05	0.029031	0.53144	0.004242	0.92715	0.000256	0.99559
0.00235	0.107076	0.02065	-0.00452	0.92243	-0.00792	0.86451	-0.04686	0.31228
8.05E-12	0.241769	1.23E-07	0.021174	0.6481	-0.06797	0.14247	0.112856	0.01468
1.45E-29	0.492202	7.26E-30	0.002843	0.95115	0.031373	0.49883	0.097383	0.03539
2.68E-15	0.246942	6.44E-08	-0.02386	0.60703	-0.03344	0.47101	0.051287	0.26869
3.94E-20	0.475185	1.11E-27	0.069127	0.13579	0.09765	0.03489	0.153361	0.00088
5.07E-30	0.359964	9.85E-16	0.052489	0.25762	0.025392	0.58414	0.087919	0.05763
5.66E-42	0.636858	1.73E-54	0.213139	3.37E-06	0.132956	0.004	0.264044	6.88E-09
1.89E-16	0.415034	7.19E-21	0.075377	0.10376	0.04262	0.35811	0.058585	0.20633
1.38E-11	0.401603	1.58E-19	0.021858	0.63754	0.123165	0.00771	0.133161	0.00394
0.01157	0.115296	0.01266	0.067045	0.14801	0.040094	0.38734	0.084369	0.06852
1.97E-20	0.424032	8.36E-22	-0.0181	0.69641	-0.01762	0.70412	0.136493	0.00312
7.55E-19	0.343463	2.24E-14	0.228478	6.03E-07	0.025219	0.58671	0.079953	0.08436
3.54E-18	0.456029	2.31E-25	0.122349	0.00812	-0.00379	0.93497	0.039615	0.39303
9.47E-18	0.33804	6.02E-14	0.019435	0.67528	0.003583	0.93844	0.02973	0.52159
0.00053	0.144594	0.00173	-0.00465	0.92022	0.029027	0.5315	-0.06472	0.16263
1.77E-06	0.333194	1.43E-13	0.038652	0.40465	0.108637	0.01886	-0.01354	0.77039
1.90E-11	0.227472	6.77E-07	0.163848	0.00038	0.014222	0.75921	0.05864	0.2059
8.77E-52	0.581017	1.64E-43	0.074623	0.10728	0.036518	0.43111	0.14313	0.00193
0.03355	0.231931	4.02E-07	0.054241	0.24205	0.080179	0.08348	-0.11335	0.01426
0.01656	0.017776	0.70161	-0.00073	0.98746	-0.04693	0.31155	0.013394	0.77282
7.51E-11	0.328148	3.47E-13	0.113462	0.01416	0.05699	0.21897	0.27549	1.40E-09
8.65E-05	0.245028	8.19E-08	0.00178	0.9694	-0.01169	0.80111	-0.05519	0.23392
0.00208	0.14099	0.00226	-0.01722	0.7105	-0.05504	0.23515	-0.00809	0.86154
4.94E-18	0.308833	8.88E-12	0.012461	0.78826	-0.02528	0.58586	0.072892	0.1157
4.17E-08	0.356484	1.93E-15	0.01396	0.76351	0.097767	0.03467	0.000393	0.99325
1.13E-08	0.113839	0.01384	0.110482	0.01692	-0.00241	0.95861	0.053645	0.24727
5.74E-15	0.293334	1.01E-10	-0.00655	0.88774	-0.0325	0.48355	0.087193	0.05973
0.11911	0.021058	0.64991	0.054961	0.23584	0.043919	0.34364	-0.04457	0.33648
0.00018	0.08233	0.0755	0.080791	0.08115	-0.03714	0.42329	0.158285	0.0006
7.53E-44	0.512764	1.13E-32	0.02794	0.54698	0.029454	0.52546	0.073944	0.11052
1.55E-23	0.446814	2.68E-24	0.138333	0.00274	0.013033	0.77878	0.255322	2.20E-08
1.30E-22	0.490933	1.07E-29	0.084563	0.06788	0.130768	0.00465	0.053766	0.2462
0.36406	-0.04812	0.29939	-0.02187	0.63743	-0.04979	0.28291	0.037324	0.421
0.99127	0.056488	0.22307	0.034924	0.4515	0.04264	0.35789	-0.03076	0.50727
6.02E-59	0.769854	9.82E-93	0.142645	0.002	0.116781	0.01155	0.207571	6.10E-06
6.49E-06	0.25077	3.96E-08	-0.02372	0.60919	-0.04367	0.3464	0.11252	0.01498
0.01607	0.197961	1.64E-05	-0.07401	0.11022	-0.01691	0.71545	-0.00125	0.97843

2.81E-21	0.417971	3.59E-21	0.026223	0.57189	-0.00904	0.84558	-0.03202	0.48998
2.53E-08	0.096971	0.03618	0.016625	0.72009	-0.06186	0.18202	0.143955	0.00182
2.91E-16	0.431636	1.29E-22	0.010109	0.82753	0.067615	0.14458	0.046929	0.31154
3.98E-10	0.263637	7.27E-09	0.047864	0.30199	-0.00382	0.93436	-0.01635	0.72455
0.77869	-0.01953	0.67384	-0.05192	0.26279	-0.03157	0.49616	-0.0979	0.03442
3.92E-44	0.624953	5.84E-52	0.091229	0.0488	0.109792	0.01762	0.082473	0.07499
0.05714	0.020177	0.66362	-0.05036	0.27745	-0.04221	0.36277	0.027597	0.55192
7.32E-48	0.643796	5.16E-56	0.078556	0.08995	0.071715	0.12172	0.140326	0.00237
2.95E-25	0.464339	2.38E-26	0.142419	0.00203	0.055349	0.23255	0.185954	5.28E-05
5.97E-34	0.445799	3.49E-24	-0.01665	0.71965	0.043264	0.35088	0.136635	0.00309
1.01E-22	0.457379	1.60E-25	0.067325	0.14632	0.021986	0.63556	0.087269	0.0595
2.28E-08	0.21557	2.58E-06	-0.06469	0.16282	-0.0198	0.66953	-0.12007	0.0094
1.96E-31	0.551727	1.49E-38	0.033454	0.47078	0.154304	0.00082	0.015888	0.73201
8.20E-05	0.280026	7.33E-10	-0.03312	0.4752	0.047644	0.30423	0.043978	0.34298
8.47E-16	0.396466	4.98E-19	0.01417	0.76006	0.074305	0.10879	0.10102	0.02905
7.21E-10	0.379896	1.76E-17	-0.01379	0.76624	0.056343	0.22426	0.101733	0.02793
1.17E-06	0.279036	8.45E-10	0.015344	0.74087	0.064878	0.16159	-0.02286	0.62223
5.23E-13	0.42656	4.52E-22	0.197972	1.64E-05	0.091361	0.04848	0.146686	0.00148
5.97E-05	0.23698	2.20E-07	0.064612	0.16332	0.023387	0.61418	-0.08952	0.05319
8.42E-24	0.372784	7.64E-17	0.042577	0.35859	-0.00257	0.95584	0.118466	0.0104
0.01552	0.054563	0.23926	0.060428	0.19239	-0.07694	0.09676	0.073595	0.11222
0.00015	0.147324	0.00141	0.10661	0.02121	0.085368	0.06529	0.210362	4.54E-06
7.68E-26	0.512113	1.39E-32	0.0709	0.12602	0.026676	0.56528	0.198988	1.48E-05
0.76268	-0.00499	0.91428	-0.05791	0.21161	-0.13622	0.00318	-0.00443	0.92395
3.60E-58	0.64841	4.74E-57	0.075835	0.10168	0.103652	0.02509	0.125243	0.00673
0.47543	-0.06049	0.19189	-0.00857	0.85354	-0.01777	0.7017	-0.08953	0.05318
2.90E-09	0.20313	9.68E-06	-0.04797	0.30094	-0.06446	0.16434	-0.01692	0.7153
1.96E-37	0.536414	3.76E-36	0.028689	0.53629	0.110399	0.017	0.078142	0.09166
0.85739	0.034747	0.4538	0.00026	0.99553	-0.04482	0.33379	-0.02769	0.55057
9.75E-07	0.304297	1.84E-11	0.081171	0.07972	0.135074	0.00345	0.107234	0.02046
1.35E-09	0.177921	0.00011	0.051566	0.26609	-0.02183	0.63803	0.085481	0.06494
0.00988	0.184552	6.02E-05	0.071685	0.12187	0.072375	0.11831	-0.04252	0.35926
3.64E-11	0.297002	5.78E-11	-0.00824	0.85896	0.024251	0.60116	-0.0132	0.77605
9.23E-39	0.469846	5.09E-27	0.069795	0.13205	0.035238	0.44744	0.149896	0.00116
8.18E-12	0.172049	0.00019	-0.03463	0.45528	-0.04803	0.30036	0.164781	0.00035
4.90E-08	0.314305	3.63E-12	0.043673	0.34634	0.090051	0.0518	0.063866	0.16825
2.21E-13	0.264377	6.57E-09	0.071493	0.12288	0.074802	0.10644	0.070136	0.13017
2.38E-41	0.55221	1.24E-38	0.070788	0.12662	0.046243	0.31868	0.1616	0.00046
9.04E-46	0.576653	9.68E-43	0.028359	0.54099	0.023868	0.60692	0.108087	0.01947
2.24E-23	0.386528	4.33E-18	0.05428	0.24171	0.049821	0.28263	0.127605	0.00575
6.86E-42	0.56607	6.41E-41	0.046132	0.31985	0.022353	0.62993	0.084689	0.06747
6.16E-22	0.345591	1.51E-14	0.036814	0.42737	-0.02599	0.57529	0.097013	0.0361
2.11E-20	0.368952	1.66E-16	0.008836	0.84896	-0.00694	0.88108	-0.00279	0.95203
0.00242	0.026556	0.56702	0.032855	0.47877	-0.07865	0.08956	-0.01771	0.70261
8.50E-26	0.405747	6.19E-20	-0.00258	0.95571	0.017012	0.71387	0.161075	0.00048

3.04E-31	0.489911	1.45E-29	0.045548	0.32601	-0.00053	0.99081	0.111046	0.01636
4.80E-37	0.540728	8.13E-37	0.119791	0.00957	0.074146	0.10955	0.098752	0.03288
3.74E-25	0.500363	5.87E-31	0.076802	0.09738	0.061316	0.18592	0.217992	1.98E-06
4.71E-15	0.377949	2.64E-17	0.033833	0.46577	0.05817	0.20957	-0.01907	0.68097
2.21E-13	0.44922	1.42E-24	0.02594	0.57605	0.127767	0.00569	-0.0015	0.97421
1.09E-56	0.603591	1.09E-47	0.105601	0.02247	0.043892	0.34393	0.185526	5.49E-05
0.01468	0.226144	7.89E-07	-0.00157	0.97303	0.050949	0.27187	-0.10303	0.02598
1.30E-12	0.353662	3.32E-15	0.050732	0.27392	0.064502	0.16404	0.136884	0.00304
3.69E-07	0.296512	6.23E-11	-0.00249	0.95719	0.052721	0.25552	-0.00923	0.84237

MMpink	p.MMpink	MMviolet	p.MMviolet	MMwhite	p.MMwhite	MMcyan	p.MMcyan	MMred
0.144215	0.00178	0.290218	1.63E-10	0.207056	6.44E-06	0.258706	1.41E-08	0.332552
0.085951	0.06347	0.093695	0.04299	0.096944	0.03623	0.048705	0.29357	0.050925
0.310958	6.29E-12	0.201898	1.10E-05	0.270666	2.77E-09	0.076812	0.09733	0.073013
0.067969	0.14249	0.124693	0.00698	0.082212	0.07592	0.106272	0.02162	0.146649
0.269302	3.35E-09	0.236901	2.22E-07	0.278883	8.64E-10	0.124753	0.00695	0.252349
0.104897	0.02339	0.13984	0.00246	0.0899	0.0522	0.141462	0.00218	0.225491
0.183782	6.47E-05	0.324811	6.18E-13	0.254022	2.60E-08	0.282979	4.77E-10	0.21272
0.13545	0.00336	0.142184	0.00207	0.109097	0.01836	0.128873	0.00528	0.164774
0.080144	0.08362	0.070845	0.12632	0.039348	0.39624	0.080683	0.08155	0.083249
0.081113	0.07994	0.052442	0.25805	0.030335	0.51315	0.069188	0.13545	0.052209
0.387042	3.88E-18	0.514085	7.32E-33	0.455651	2.56E-25	0.396978	4.45E-19	0.277781
0.183423	6.69E-05	0.161063	0.00048	0.170633	0.00021	0.086831	0.0608	0.09456
0.172124	0.00019	0.043885	0.34401	0.082025	0.07659	0.004912	0.91569	-0.00272
0.152546	0.00094	0.229089	5.61E-07	0.173083	0.00017	0.192161	2.91E-05	0.284505
0.054764	0.23753	0.103274	0.02563	0.054624	0.23873	0.105505	0.02259	0.082452
0.091108	0.04911	0.092046	0.04681	0.101289	0.02862	0.050636	0.27483	0.063976
0.224223	9.83E-07	0.166336	0.00031	0.198123	1.61E-05	0.085831	0.06384	0.064915
0.339341	4.76E-14	0.560804	4.88E-40	0.427312	3.76E-22	0.493863	4.38E-30	0.392911
0.016086	0.7288	0.009168	0.84336	0.02049	0.65874	-0.00664	0.88618	-0.01793
0.015852	0.73261	0.070888	0.12609	0.031937	0.49114	0.076961	0.09668	0.043556
0.108944	0.01852	0.125804	0.00649	0.127818	0.00567	0.077793	0.09312	0.124092
0.228336	6.13E-07	0.113337	0.01426	0.125894	0.00645	0.079985	0.08424	0.14277
0.084655	0.06758	0.239254	1.67E-07	0.120106	0.00938	0.272465	2.15E-09	0.271991
0.111744	0.0157	0.167775	0.00027	0.134773	0.00352	0.14694	0.00145	0.117345
0.017898	0.69967	0.020143	0.66416	0.025521	0.58224	0.01243	0.78877	4.77E-05
0.035005	0.45045	0.085884	0.06368	0.057666	0.21354	0.077133	0.09594	0.220053
0.321421	1.10E-12	0.382652	9.86E-18	0.37257	7.98E-17	0.270984	2.65E-09	0.175687
0.133827	0.00376	0.103105	0.02587	0.11304	0.01452	0.065194	0.15955	0.09115
0.151752	0.001	0.102279	0.0271	0.101695	0.02799	0.080408	0.0826	0.047028
0.230589	4.71E-07	0.147049	0.00144	0.188372	4.19E-05	0.067161	0.14731	0.018449
0.108232	0.01931	0.115403	0.01258	0.100445	0.02998	0.092439	0.04588	0.048129
0.011052	0.81172	0.049579	0.28498	0.032766	0.47995	0.027209	0.55753	0.062097
0.092856	0.0449	0.158883	0.00057	0.12612	0.00635	0.13271	0.00407	0.155124
0.012514	0.78738	0.004002	0.93126	0.004847	0.9168	-0.00284	0.95113	0.00101
0.163625	0.00038	0.200526	1.26E-05	0.146117	0.00154	0.201237	1.18E-05	0.153587
0.088177	0.05689	0.057875	0.21189	0.072729	0.11652	0.029392	0.52635	0.010722
0.196709	1.86E-05	0.329983	2.52E-13	0.261725	9.40E-09	0.292506	1.15E-10	0.20815
0.066671	0.15029	0.052323	0.25913	0.059896	0.19634	0.019871	0.66843	-0.00029
0.143609	0.00186	0.103707	0.02502	0.126869	0.00604	0.03802	0.41238	0.091849
0.07798	0.09234	0.234249	3.06E-07	0.126146	0.00634	0.247841	5.75E-08	0.321705
0.081703	0.07776	0.06491	0.16138	0.039479	0.39466	0.07527	0.10426	0.040778
0.009494	0.83787	0.020792	0.65403	0.015339	0.74093	0.017582	0.70472	0.007412
0.003676	0.93686	0.102544	0.0267	0.013625	0.76901	0.12732	0.00586	0.271741
-0.0617	0.18316	-0.02342	0.61374	-0.03081	0.50654	-0.04107	0.3759	0.115457

-0.07436	0.10852	0.006411	0.89011	-0.03278	0.47976	0.010537	0.82034	0.103451
0.04398	0.34296	-0.08692	0.06054	-0.03019	0.51524	-0.11255	0.01495	-0.0641
-0.00545	0.90641	-0.02132	0.64586	-0.0237	0.60952	-0.0339	0.46494	0.04201
-0.02971	0.52194	0.080335	0.08288	-0.00234	0.95975	0.113079	0.01449	0.21194
0.093395	0.04367	0.11252	0.01498	0.103967	0.02465	0.070919	0.12592	0.174295
-0.11391	0.01378	-0.02649	0.56798	-0.07238	0.1183	-0.00328	0.94369	0.025364
-0.00188	0.96765	0.048917	0.29147	-0.00431	0.92598	0.062185	0.17975	0.118171
-0.02967	0.52245	0.052136	0.26084	-0.01533	0.74117	0.070406	0.12869	0.189277
-0.07011	0.1303	-0.00865	0.85211	-0.06121	0.18669	0.035474	0.44439	0.068189
0.03305	0.47616	0.133456	0.00386	0.066065	0.15404	0.140454	0.00235	0.196315
-0.06299	0.17414	0.076191	0.10008	-0.01765	0.7037	0.110377	0.01703	0.195823
-0.07066	0.12732	0.008954	0.84697	-0.04043	0.38333	0.01646	0.72276	0.099747
-0.02943	0.52574	0.098764	0.03286	-0.00712	0.87807	0.134971	0.00347	0.289042
-0.11398	0.01371	0.066396	0.15198	-0.05874	0.20513	0.130499	0.00473	0.194475
0.005665	0.90283	0.04273	0.35687	-0.01678	0.71761	0.069615	0.13305	0.122445
0.017872	0.70007	0.089523	0.0532	0.033325	0.47249	0.11057	0.01683	0.175693
0.00953	0.83727	-0.02633	0.57026	-0.02088	0.65266	-0.02522	0.58671	0.118407
0.027433	0.55429	0.127553	0.00577	0.047909	0.30153	0.134472	0.0036	0.354301
-0.01585	0.73259	0.006239	0.89303	-0.00904	0.84557	0.014413	0.75607	0.097885
0.125214	0.00674	0.037172	0.42289	0.132346	0.00417	-0.04385	0.34435	0.015302
-0.01268	0.78467	0.155531	0.00074	0.034874	0.45214	0.177216	0.00012	0.43545
-0.04272	0.35697	-0.0179	0.69967	-0.06769	0.14413	0.010479	0.82131	0.05799
-0.00662	0.88658	0.08516	0.06595	0.026579	0.56668	0.090469	0.05072	0.253068
0.08048	0.08233	0.031622	0.49542	0.062789	0.17555	0.008381	0.85666	-0.02988
0.0298	0.52062	0.006111	0.89522	-0.01338	0.77309	0.019665	0.67167	0.14652
-0.03473	0.45402	0.061292	0.18609	0.005348	0.90824	0.083147	0.07263	0.165777
-0.0708	0.12658	-0.09644	0.03721	-0.09138	0.04843	-0.08746	0.05896	-0.15062
-0.00461	0.92086	0.045031	0.33154	-0.00553	0.90521	0.057645	0.21371	0.187685
-0.00984	0.83207	0.037868	0.41425	-0.01243	0.78885	0.065753	0.156	0.269816
-0.03502	0.4503	0.00532	0.90871	-0.02849	0.53907	0.021808	0.63831	0.154019
0.084057	0.06955	0.05555	0.23086	0.052836	0.25448	0.036274	0.43419	0.145974
0.001736	0.97016	0.113218	0.01437	0.030245	0.5144	0.129056	0.00522	0.321189
0.028015	0.54591	0.034884	0.45202	-0.00443	0.92392	0.030538	0.51033	0.218702
0.139075	0.0026	0.027568	0.55233	0.125792	0.00649	-0.05084	0.27288	-0.00893
-0.0632	0.17271	0.058104	0.21008	-0.02565	0.58039	0.099028	0.03239	0.227664
0.010626	0.81885	0.131411	0.00445	0.044852	0.33347	0.147372	0.0014	0.335035
-0.13651	0.00312	-0.07269	0.11669	-0.11294	0.01461	-0.02585	0.5774	-0.06774
0.043362	0.34979	0.008594	0.85305	0.07301	0.11511	-0.0485	0.29559	-0.12025
0.0413	0.3732	0.076051	0.1007	0.031853	0.49229	0.075186	0.10465	0.196815
0.026399	0.56932	0.044489	0.3374	0.03234	0.48569	0.032615	0.48199	0.147165
-0.02281	0.62296	0.07733	0.09509	-0.00622	0.89332	0.095714	0.03868	0.275856
0.071459	0.12306	0.089852	0.05233	0.058522	0.20682	0.076703	0.09781	0.19167
-0.14923	0.00122	-0.05032	0.27781	-0.10535	0.02279	-0.00334	0.9426	0.075619
0.03371	0.46739	0.125419	0.00665	0.068259	0.14079	0.138512	0.0027	0.282447
-0.00292	0.94987	-0.02376	0.60849	-0.03484	0.4526	-0.01116	0.80997	0.070514

-0.03773	0.4159	-0.00556	0.90457	-0.05288	0.25407	0.008529	0.85414	0.276771
-0.08495	0.06663	0.02077	0.65438	-0.02942	0.52593	0.062753	0.1758	0.079608
-0.00519	0.91094	0.136552	0.00311	0.039721	0.39177	0.153423	0.00088	0.350396
-0.00368	0.93679	0.07829	0.09104	-0.01154	0.80349	0.117223	0.01124	0.249973
-0.07864	0.08962	0.126412	0.00623	-0.01153	0.80377	0.177899	0.00011	0.35792
0.056095	0.2263	0.17873	0.0001	0.074178	0.1094	0.201326	1.17E-05	0.440426
-0.0333	0.47279	-0.02212	0.63349	-0.03217	0.48804	-0.01137	0.80639	0.114348
-0.06107	0.1877	0.114007	0.0137	0.012333	0.79038	0.15043	0.00111	0.327595
0.004251	0.927	0.10167	0.02803	0.003091	0.94688	0.137103	0.00299	0.244266
0.021046	0.65009	0.039257	0.39733	-0.00652	0.88818	0.067336	0.14625	0.134445
-0.07868	0.08946	-0.08538	0.06526	-0.08547	0.06497	-0.07227	0.11884	-0.09384
-0.04643	0.31673	-0.00909	0.84464	-0.06572	0.1562	0.027797	0.54903	0.083012
-0.04575	0.32382	0.03714	0.42329	-0.03581	0.44009	0.090045	0.05182	0.145175
0.040617	0.38116	0.112046	0.01542	0.014905	0.74802	0.145106	0.00167	0.217787
-0.04562	0.32522	-0.22536	8.63E-07	-0.11357	0.01406	-0.25869	1.41E-08	-0.32164
-0.08653	0.0617	-0.12843	0.00544	-0.09418	0.04191	-0.12629	0.00628	-0.13168
-0.014	0.7629	0.128706	0.00534	0.028693	0.53623	0.154438	0.00081	0.264309
-0.03901	0.40026	-0.01209	0.79447	-0.08922	0.05401	0.048883	0.29181	0.13846
-0.01525	0.74234	-0.01814	0.69579	-0.01047	0.82148	-0.03815	0.41078	0.076651
0.042127	0.3637	0.000293	0.99496	0.00946	0.83844	-0.00755	0.87072	0.029246
0.188976	3.96E-05	0.060735	0.19013	0.174597	0.00015	-0.02818	0.54355	0.031464
-0.00594	0.89816	0.012904	0.78092	-0.00894	0.84727	0.025958	0.57579	0.107721
0.081852	0.07722	-0.0726	0.11716	0.052746	0.25529	-0.13648	0.00312	-0.30658
-0.0369	0.42627	0.123474	0.00755	0.026931	0.56155	0.141162	0.00223	0.3876
-0.05659	0.22226	-0.08425	0.06892	-0.06149	0.18466	-0.10032	0.03019	0.018137
0.102618	0.02659	-0.00759	0.87014	0.020748	0.65472	-0.02446	0.59804	0.024728
-0.088	0.0574	0.014318	0.75762	-0.06183	0.18225	0.059402	0.20006	-0.01184
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-0.01149	0.80446	0.0823	0.07561	-0.0032	0.945	0.119507	0.00974	0.175252
0.040159	0.38657	-0.12868	0.00535	0.014507	0.75452	-0.18826	4.24E-05	-0.38923
0.000317	0.99455	-0.01649	0.72222	-0.07723	0.09552	0.049471	0.28604	0.125484
0.010037	0.82874	-0.00361	0.93798	0.060194	0.19411	-0.04565	0.3249	-0.09411
0.092097	0.04669	-0.00323	0.94458	0.041452	0.37145	-0.01255	0.78675	-0.11328
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0.107376	0.02029	0.138169	0.00277	0.061802	0.18245	0.148391	0.0013	0.322821
0.126301	0.00628	0.075032	0.10536	0.140714	0.0023	-0.00074	0.98735	0.000477
-0.06997	0.13106	-0.01668	0.71918	-0.04651	0.31589	0.001556	0.97324	0.042366
0.235737	2.56E-07	0.10471	0.02364	0.190171	3.53E-05	0.023652	0.61017	0.003589
0.132602	0.0041	0.070557	0.12787	0.118558	0.01034	0.039501	0.39439	-0.02457
0.086576	0.06156	-0.09172	0.0476	0.041222	0.3741	-0.16322	0.0004	-0.34416
0.034861	0.45231	0.078279	0.09109	0.038561	0.40576	0.054602	0.23893	0.205471
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-0.01864	0.68781	0.069401	0.13425	-0.00157	0.97299	0.088756	0.05528	0.238878
0.05126	0.26894	0.058627	0.206	0.027792	0.5491	0.064203	0.16601	0.097377
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0.011927	0.79713	-0.14985	0.00116	-0.01365	0.7686	-0.20411	8.75E-06	-0.32834
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0.027282	0.55646	-0.11393	0.01376	0.002214	0.96194	-0.17713	0.00012	-0.31986
0.138838	0.00264	-0.00956	0.8367	0.111664	0.01577	-0.10099	0.0291	-0.10683
0.103094	0.02589	0.007839	0.86583	0.095967	0.03816	-0.05797	0.21114	-0.13101
0.028365	0.5409	0.002387	0.95897	0.032236	0.4871	-0.01836	0.69235	-0.00311
0.039613	0.39306	-0.08831	0.05653	0.034468	0.45743	-0.17353	0.00016	-0.21329
0.004677	0.9197	0.138601	0.00269	0.03874	0.40358	0.168985	0.00024	0.364527
0.226857	7.27E-07	0.086517	0.06174	0.169742	0.00023	0.016481	0.72242	-0.02596
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0.031688	0.49453	-0.07018	0.1299	0.0256	0.58107	-0.12165	0.0085	-0.26859
0.116762	0.01157	-0.02748	0.55366	0.087524	0.05876	-0.1059	0.02208	-0.12677
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-0.03484	0.45254	-0.0645	0.16405	-0.04137	0.37237	-0.0616	0.1839	0.00215
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0.060682	0.19052	-0.02943	0.5258	0.049762	0.28321	-0.08556	0.0647	-0.17312
-0.07683	0.09724	-0.01605	0.72943	-0.07373	0.11155	0.020441	0.6595	0.017375
0.064364	0.16494	0.075978	0.10103	0.134683	0.00355	0.001796	0.96911	0.070939
-0.01156	0.80327	0.064284	0.16547	-0.01023	0.82555	0.08327	0.07221	0.173619
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0.060291	0.1934	-0.13559	0.00333	0.016317	0.72506	-0.21717	2.17E-06	-0.25523
0.04588	0.3225	0.09412	0.04205	0.034735	0.45395	0.12087	0.00893	0.248643
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-0.09613	0.03784	0.042657	0.35769	-0.05743	0.21539	0.093334	0.0438	0.213902
-0.06818	0.14124	-0.05409	0.24335	-0.02598	0.57553	-0.06729	0.14655	-0.10819
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0.112482	0.01502	0.004613	0.9208	0.105379	0.02276	-0.07191	0.12072	-0.14788
0.075179	0.10468	0.013375	0.77313	0.020965	0.65134	-0.00578	0.90092	0.089481
-0.08394	0.06994	-0.00121	0.97919	-0.06196	0.18131	0.043494	0.34833	0.072231
-0.05085	0.27276	0.040844	0.37851	-0.01198	0.79618	0.064359	0.16498	0.161945
-0.05024	0.27859	0.043071	0.35304	-0.01441	0.7562	0.060058	0.19513	0.135049
-0.00352	0.93947	0.018288	0.69345	-0.02033	0.66119	0.027883	0.5478	0.100194
0.110467	0.01693	0.022069	0.6343	0.065534	0.15738	-0.00367	0.93689	0.106413
-0.07955	0.08594	0.05685	0.22011	-0.03998	0.38868	0.103269	0.02564	0.189469
-0.08726	0.05954	0.040734	0.3798	-0.03136	0.49895	0.062335	0.1787	0.187263
-0.04778	0.30285	0.102888	0.02619	-0.00222	0.96179	0.13797	0.00281	0.289751
0.037804	0.41505	0.08879	0.05519	0.053466	0.24885	0.070305	0.12924	0.214135
0.009628	0.83561	-0.02459	0.59615	0.021161	0.64831	-0.0512	0.26952	-0.10179
-0.00403	0.93086	0.043571	0.34748	0.015437	0.73935	0.022824	0.62274	0.187362
-0.09091	0.0496	-0.00067	0.98845	-0.06133	0.18582	0.023373	0.6144	0.091953
-0.08148	0.07859	0.001089	0.98127	-0.05081	0.27321	0.02547	0.58299	0.16072



0.030819	0.50645	0.094105	0.04208	0.033333	0.47239	0.125004	0.00684	0.172671
0.030397	0.51229	0.01431	0.75776	0.013276	0.77478	0.0148	0.74973	0.050213
-0.06972	0.13246	-0.03863	0.40487	-0.07109	0.125	-0.02104	0.65025	-0.10624
-0.00443	0.92393	0.131925	0.00429	0.059009	0.20306	0.125782	0.00649	0.306121
-0.15129	0.00104	-0.20913	5.17E-06	-0.18545	5.53E-05	-0.18864	4.09E-05	-0.20317
-0.10888	0.01859	-0.03906	0.3997	-0.03696	0.42556	-0.05584	0.22842	0.08537
-0.00283	0.95134	0.057153	0.21766	0.007986	0.86334	0.058216	0.2092	0.151326
0.101014	0.02906	0.104849	0.02345	0.094787	0.04061	0.057714	0.21317	0.188695
0.111142	0.01627	0.010069	0.8282	0.030197	0.51508	-0.00145	0.97499	0.129754
0.139327	0.00255	0.119765	0.00958	0.069918	0.13137	0.124534	0.00705	0.262558
-0.0463	0.31812	-0.02993	0.51883	-0.07639	0.09921	0.00411	0.92941	0.006137
0.025679	0.5799	0.063192	0.17279	-0.00365	0.93736	0.086442	0.06197	0.269193
0.018349	0.69247	0.144306	0.00177	0.04085	0.37844	0.168759	0.00025	0.315621
0.105675	0.02238	0.043994	0.3428	0.101024	0.02904	-0.00811	0.86127	-0.04103
0.005301	0.90904	0.057122	0.21791	0.017636	0.70385	0.060522	0.1917	0.283629
-0.06597	0.1546	0.123562	0.00751	-0.00599	0.89733	0.172007	0.00019	0.355325
0.021174	0.6481	0.083984	0.06979	-0.00065	0.98888	0.115134	0.01279	0.264305
0.055106	0.23461	0.068541	0.13915	0.031524	0.49677	0.061434	0.18507	0.184793
-0.13613	0.0032	-0.16842	0.00026	-0.13607	0.00321	-0.15338	0.00088	-0.21722
-0.05046	0.27646	0.012265	0.79151	-0.02047	0.65901	0.009359	0.84013	0.147709
-0.09062	0.05035	-0.09761	0.03496	-0.10251	0.02675	-0.05997	0.1958	-0.08255
-0.03632	0.43358	-0.13217	0.00422	-0.08597	0.06342	-0.14593	0.00157	-0.14673
-0.05766	0.21358	0.049957	0.28132	-0.01445	0.75548	0.07711	0.09604	0.13884
-0.16238	0.00043	-0.03933	0.39641	-0.11105	0.01636	0.00742	0.87294	0.11384
-0.10211	0.02736	0.059639	0.19827	-0.04146	0.37137	0.105777	0.02225	0.28591
-0.0464	0.31709	0.120937	0.00889	0.00836	0.85701	0.149202	0.00122	0.286068
0.046633	0.31461	0.107413	0.02025	0.040298	0.38492	0.118489	0.01038	0.132903
-0.07973	0.08523	-0.0217	0.6399	-0.03569	0.44165	-0.01607	0.72914	0.186219
-0.01813	0.69601	0.059429	0.19985	-0.00125	0.97859	0.065446	0.15794	0.204172
0.033994	0.46365	-0.04635	0.3176	-0.04229	0.36187	-0.04018	0.38632	0.023862
0.024214	0.6017	-0.01504	0.74579	-0.01428	0.75821	-0.00569	0.90246	0.005867
-0.09804	0.03416	0.024847	0.59224	-0.05508	0.23484	0.062032	0.18083	0.217901
-0.00315	0.94588	0.053401	0.24943	-0.01724	0.71022	0.106774	0.02101	0.042618
0.015869	0.73233	0.01198	0.79624	-0.02098	0.65105	0.030165	0.51552	0.137182
0.033597	0.46888	-0.01932	0.67709	0.017911	0.69946	-0.03313	0.47512	-0.04657
-0.03098	0.50428	0.025075	0.58885	-0.01776	0.70194	0.045402	0.32757	0.114922
-0.12994	0.00492	-0.02398	0.60518	-0.10221	0.0272	0.03807	0.41176	0.046792
-0.06681	0.14942	0.050766	0.27359	-0.04287	0.35526	0.09642	0.03726	0.212603
0.00792	0.86446	0.118936	0.0101	0.052735	0.25539	0.118024	0.01069	0.274607
0.074438	0.10816	0.079603	0.08573	0.043962	0.34317	0.078195	0.09144	0.122775
0.054587	0.23905	-0.00388	0.93334	0.017836	0.70066	-0.03744	0.41957	0.104363
-0.12978	0.00497	-0.00266	0.95429	-0.08163	0.07802	0.036218	0.4349	0.127155
0.010946	0.8135	0.040566	0.38176	-0.0112	0.80929	0.051363	0.26798	0.206913
-0.03535	0.44598	-0.05345	0.24903	-0.05825	0.20898	-0.04793	0.30131	0.050451
-0.00427	0.92672	0.019017	0.68188	0.073479	0.11279	-0.02191	0.6367	0.024349

-0.15758	0.00063	-0.07406	0.10997	-0.0989	0.03261	-0.05123	0.26922	0.044355
-0.02746	0.55392	0.088232	0.05674	-0.00307	0.94719	0.123366	0.00761	0.219402
-0.05617	0.22566	0.055571	0.23068	-0.03854	0.40596	0.103832	0.02484	0.225639
0.03522	0.44768	-0.04652	0.3158	0.055857	0.22829	-0.1014	0.02844	-0.18008
0.020283	0.66198	0.073478	0.11279	0.016623	0.72013	0.091493	0.04815	0.265668
0.014168	0.76008	-0.00185	0.96827	0.002071	0.9644	-0.02094	0.65177	0.156495
-0.04891	0.29152	0.06928	0.13493	-0.02154	0.64244	0.10668	0.02112	0.199997
-0.05629	0.22472	-0.002	0.96567	-0.06809	0.14177	0.033309	0.47271	0.125628
0.012317	0.79064	0.149656	0.00118	0.034674	0.45475	0.190105	3.55E-05	0.384193
0.002284	0.96074	-0.02677	0.56391	0.035121	0.44895	-0.05623	0.22521	-0.12214
0.031598	0.49576	0.136776	0.00306	0.048044	0.30018	0.139118	0.00259	0.362324
0.022245	0.63159	0.044961	0.33229	-0.00691	0.88168	0.067604	0.14465	0.13791
0.114011	0.01369	0.027965	0.54663	0.042057	0.3645	0.000217	0.99626	0.076964
0.159479	0.00054	0.025569	0.58152	0.141119	0.00224	-0.06342	0.17121	-0.02372
-0.00089	0.98476	-0.03901	0.40025	-0.0141	0.76119	-0.0539	0.24501	-0.04268
-0.06332	0.17189	0.056502	0.22295	0.000667	0.98853	0.054764	0.23753	0.302245
0.018616	0.68824	0.111731	0.01571	0.030845	0.50609	0.135216	0.00342	0.305078
-0.00101	0.98259	0.099929	0.03084	0.013882	0.76478	0.130517	0.00473	0.355439
-0.02798	0.54635	0.037409	0.41993	0.010454	0.82174	0.055694	0.22965	0.179898
0.194915	2.22E-05	0.086776	0.06096	0.189657	3.71E-05	-0.01577	0.73401	-0.00515
0.09017	0.0515	0.108544	0.01896	0.079509	0.08611	0.091493	0.04815	0.233326
-0.02478	0.59324	0.145437	0.00163	0.036659	0.42932	0.170153	0.00022	0.393311
0.077839	0.09293	0.03405	0.46291	0.016745	0.71816	0.028259	0.54242	0.065111
-0.15065	0.00109	-0.07493	0.10583	-0.1304	0.00476	-0.03281	0.47942	0.03022
-0.0218	0.63835	0.099266	0.03198	0.003576	0.93857	0.131423	0.00444	0.270833
-0.0792	0.08735	-0.00518	0.91109	-0.06793	0.14273	0.03995	0.38904	0.088212
-0.06773	0.14388	-0.12634	0.00626	-0.01437	0.75678	-0.18914	3.89E-05	-0.28832
-0.0822	0.07595	-0.01935	0.67664	-0.08324	0.07232	0.038283	0.40915	0.002247
-0.00776	0.86717	0.052032	0.26179	0.031682	0.49461	0.025225	0.58661	0.178178
-0.00303	0.94795	0.018008	0.69791	-0.00054	0.9907	0.02245	0.62844	0.100225
-0.11205	0.01541	0.021351	0.64537	-0.03362	0.46853	0.031207	0.50112	0.190504
-0.00775	0.86733	0.095877	0.03835	-0.01584	0.73273	0.151681	0.00101	0.295993
-0.05623	0.22522	0.039868	0.39001	-0.01415	0.76045	0.053671	0.24704	0.183637
-0.05498	0.23572	0.004558	0.92174	-0.01406	0.76186	-0.00413	0.9291	0.14512
-0.02676	0.56408	0.067402	0.14586	0.001955	0.9664	0.086902	0.06059	0.193441
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0.014729	0.7509	0.083678	0.07082	-0.01484	0.74907	0.128234	0.00552	0.195439
-0.07635	0.09939	0.094774	0.04064	-0.00168	0.97109	0.119513	0.00974	0.268839
-0.07955	0.08596	-0.06667	0.15028	-0.05359	0.24775	-0.07882	0.08885	-0.02697
0.092748	0.04515	0.091185	0.04891	0.064356	0.165	0.087968	0.05749	0.214813
-0.09598	0.03814	0.028484	0.5392	-0.06011	0.19471	0.079003	0.08813	0.177201
-0.06781	0.14341	-0.02752	0.55297	-0.07414	0.1096	0.002454	0.95782	0.066015
-0.05486	0.23674	0.041672	0.36891	-0.00439	0.92461	0.039003	0.40039	0.26312
-0.04973	0.2835	0.077701	0.09351	0.006899	0.88181	0.103786	0.0249	0.19973
0.010501	0.82094	0.085499	0.06488	0.019294	0.6775	0.101782	0.02785	0.26479

-0.00249	0.95717	0.088402	0.05626	0.034318	0.45939	0.101559	0.0282	0.201655
0.052398	0.25844	0.023881	0.60672	0.0147	0.75136	0.00026	0.99552	0.102998
-0.10314	0.02583	-0.04862	0.29438	-0.10578	0.02225	0.00412	0.92925	-0.08295
-0.06875	0.13793	0.013391	0.77287	-0.04369	0.34621	0.048069	0.29993	0.109914
-0.08809	0.05714	0.095828	0.03845	-0.01975	0.6703	0.137625	0.00288	0.164094
-0.05864	0.20589	-0.11958	0.0097	-0.07891	0.08851	-0.12913	0.00519	-0.09901
0.036176	0.43544	0.10472	0.02363	0.043225	0.35132	0.119158	0.00996	0.293158
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-0.12958	0.00504	-0.12444	0.0071	-0.03342	0.47125	-0.16733	0.00028	-0.24357
-0.0876	0.05855	0.019086	0.68078	-0.05606	0.22662	0.04916	0.28908	0.226507
-0.01963	0.67226	-0.11275	0.01478	-0.0745	0.10784	-0.12041	0.0092	-0.08098
0.107656	0.01997	0.003786	0.93497	0.064074	0.16686	-0.03286	0.4787	-0.08996
-0.08368	0.0708	0.051894	0.26306	-0.05115	0.26994	0.098282	0.03373	0.238227
0.096379	0.03734	-0.11669	0.01162	0.058825	0.20447	-0.21395	3.08E-06	-0.35108
0.035447	0.44474	-0.06276	0.17577	0.030193	0.51513	-0.10427	0.02424	-0.14368
0.02103	0.65034	0.033906	0.4648	0.022458	0.62833	0.027916	0.54733	0.187708
-0.07097	0.12564	-0.00555	0.9048	-0.08501	0.06644	0.048298	0.29762	0.163396
-0.01545	0.73909	0.110002	0.01741	0.01922	0.67867	0.147172	0.00143	0.31658
-0.05577	0.229	0.113808	0.01386	0.001167	0.97993	0.149946	0.00115	0.343066
0.070961	0.1257	0.097822	0.03457	0.044841	0.33359	0.115543	0.01247	0.308377
0.012895	0.78107	-0.01081	0.81583	-0.02817	0.54373	0.000283	0.99513	0.023401
0.026051	0.57442	0.132447	0.00414	0.046804	0.31283	0.140838	0.00228	0.288092
0.121877	0.00837	0.11655	0.01172	0.159296	0.00055	0.047772	0.30292	0.121829
-0.09205	0.04681	0.023587	0.61115	-0.06457	0.16362	0.072279	0.1188	0.229603
0.125005	0.00684	0.004515	0.92248	0.079991	0.08421	-0.04361	0.34701	-0.11276
0.008328	0.85755	-0.05817	0.20957	0.017452	0.7068	-0.07692	0.09687	-0.14813
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-0.16186	0.00045	-0.07269	0.11669	-0.13563	0.00332	-0.01323	0.77548	-0.03632
0.018558	0.68915	0.053393	0.2495	0.020014	0.66619	0.063059	0.1737	0.154517
0.052544	0.25712	-0.09754	0.0351	0.053226	0.25098	-0.18103	8.35E-05	-0.31931
0.017687	0.70304	-0.0398	0.39088	0.036589	0.43021	-0.08476	0.06723	-0.12443
-0.00121	0.97913	0.047666	0.304	0.015358	0.74064	0.045646	0.32497	0.169577
-0.02157	0.64204	0.015238	0.74258	-0.02324	0.61639	0.035883	0.43916	0.126281
0.086383	0.06215	0.161253	0.00047	0.069186	0.13546	0.19014	3.54E-05	0.269984
-0.11188	0.01557	0.037692	0.41642	-0.06593	0.15488	0.098086	0.03408	0.207853
0.035531	0.44366	-0.00469	0.91956	0.053895	0.24507	-0.04541	0.32751	-0.1436
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-0.04999	0.28098	-0.05311	0.25202	-0.07609	0.10052	-0.03176	0.49356	0.032704
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0.008034	0.86253	0.018406	0.69156	-0.00033	0.99427	0.016646	0.71976	0.144661
-0.0805	0.08224	0.031867	0.4921	-0.05163	0.2655	0.066224	0.15305	0.183367

0.016121	0.72824	0.084076	0.06949	0.037455	0.41936	0.075372	0.10379	0.209454
-0.13564	0.00331	-0.07839	0.09063	-0.11403	0.01368	-0.03778	0.41529	0.022046
0.061604	0.18386	-0.08032	0.08295	0.047546	0.30522	-0.1527	0.00093	-0.21484
-0.01978	0.66992	0.006645	0.88612	-0.02402	0.60465	0.021255	0.64685	0.10772
0.097084	0.03596	0.173428	0.00017	0.095368	0.03939	0.188812	4.02E-05	0.357303
0.022356	0.6299	0.118276	0.01052	0.048847	0.29216	0.118836	0.01016	0.279724
0.010586	0.81952	0.09914	0.0322	0.041518	0.37069	0.117139	0.0113	0.21451
-0.02095	0.65152	0.054418	0.24051	0.011573	0.80302	0.058033	0.21064	0.151015
-0.06396	0.16759	0.080619	0.0818	-0.01889	0.68383	0.130592	0.0047	0.265499
0.031514	0.49691	0.025607	0.58096	-0.01365	0.76863	0.031955	0.4909	0.153603
0.049665	0.28414	0.009876	0.83144	0.017532	0.70552	-0.02216	0.63292	0.010177
-0.08086	0.08089	0.00026	0.99553	-0.05075	0.2737	0.02198	0.63566	0.092597
-0.03763	0.41724	0.11139	0.01603	-0.00113	0.98054	0.13942	0.00253	0.324837
0.063958	0.16763	-0.06518	0.15967	-0.01572	0.73474	-0.10049	0.02992	-0.01967
-0.12283	0.00788	-0.02011	0.66474	-0.07462	0.10729	0.015075	0.74525	0.117732
-0.04698	0.31099	0.091021	0.04932	0.013951	0.76365	0.109578	0.01785	0.174808
0.040001	0.38844	0.127825	0.00567	0.030114	0.51623	0.145577	0.00161	0.287384
-0.001	0.98275	0.089344	0.05368	0.034021	0.46329	0.104187	0.02435	0.196567
-0.01017	0.82654	0.042524	0.35919	0.024113	0.60322	0.027599	0.55189	0.136761
0.020045	0.6657	0.057977	0.21108	0.029381	0.52649	0.053236	0.2509	0.066424
0.034596	0.45576	0.088894	0.0549	0.026835	0.56295	0.095126	0.03989	0.219643
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0.030697	0.50813	0.135293	0.0034	0.045116	0.33063	0.148084	0.00133	0.364351
-0.05586	0.22829	0.096845	0.03643	0.013923	0.76411	0.116719	0.0116	0.280425
0.015622	0.73634	0.130621	0.00469	0.054888	0.23647	0.129365	0.00511	0.269788
-0.09429	0.04168	-0.07093	0.12584	-0.08319	0.07248	-0.06118	0.18688	0.05059
0.048054	0.30008	0.197893	1.65E-05	0.08804	0.05728	0.216456	2.34E-06	0.380738
0.00024	0.99587	-0.00658	0.8873	-0.0111	0.81095	-0.0084	0.85635	0.040213
-0.07441	0.10827	0.006439	0.88963	-0.04708	0.31	0.030835	0.50623	0.13582
-0.0567	0.22129	0.036165	0.43557	-0.03288	0.4785	0.073515	0.11261	0.173951
0.080642	0.08171	0.125428	0.00665	0.08698	0.06036	0.105101	0.02312	0.230631
-0.02138	0.64489	0.066714	0.15003	0.011807	0.79913	0.078196	0.09143	0.213464
0.07272	0.11656	0.149808	0.00117	0.086852	0.06074	0.142173	0.00207	0.322641
0.023741	0.60883	-0.05655	0.22258	0.022813	0.6229	-0.08445	0.06824	-0.17126
-0.02578	0.57841	0.013403	0.77268	-0.02458	0.59621	0.043696	0.34609	0.091934
-0.04971	0.28372	0.088406	0.05625	-0.00447	0.92327	0.131743	0.00435	0.284157
-0.04835	0.29712	-0.02273	0.62421	-0.04639	0.31715	-0.01312	0.77736	0.112022
-0.12552	0.00661	-0.14048	0.00234	-0.12642	0.00623	-0.12124	0.00872	-0.11223
0.003606	0.93805	-0.01376	0.76671	-0.0329	0.47811	-0.00143	0.97535	0.028425
0.09894	0.03255	0.001239	0.97869	0.018227	0.69442	-0.01613	0.72816	0.122497
0.070654	0.12734	0.135434	0.00336	0.06133	0.18582	0.144541	0.00174	0.226184
-0.0201	0.66488	-0.06841	0.1399	-0.00491	0.91571	-0.08814	0.057	-0.1825
0.048682	0.29379	0.070636	0.12744	0.035236	0.44746	0.088261	0.05666	0.194792
0.008886	0.84811	0.104018	0.02458	0.018974	0.68256	0.134593	0.00357	0.255493
-0.05411	0.2432	0.10671	0.02109	-0.01244	0.7886	0.159264	0.00055	0.283925

0.022823	0.62275	0.112837	0.0147	0.020953	0.65153	0.133109	0.00396	0.23988
0.021796	0.63849	0.155948	0.00072	0.04364	0.34671	0.190186	3.52E-05	0.345078
0.01536	0.74059	0.07592	0.10129	-0.00198	0.96597	0.112331	0.01515	0.180652
-0.05059	0.27522	-0.17163	0.00019	-0.12115	0.00877	-0.18165	7.89E-05	-0.25769
-0.02193	0.63644	0.056562	0.22246	0.011111	0.81074	0.051321	0.26837	0.182167
-0.03226	0.48672	-0.12235	0.00812	-0.10287	0.02622	-0.10015	0.03047	-0.16915
0.133735	0.00379	0.069263	0.13503	0.104267	0.02424	-0.00412	0.92922	0.013227
-0.03472	0.45413	0.028614	0.53735	-0.014	0.76282	0.050706	0.27416	0.053004
0.130831	0.00463	0.123343	0.00762	0.174172	0.00016	0.048439	0.29622	0.177958
-0.02973	0.52163	0.06714	0.14744	-0.0005	0.99132	0.096556	0.03699	0.289061
0.06922	0.13527	0.045148	0.33028	0.052687	0.25583	0.03118	0.50148	0.059413
-0.03519	0.44811	-0.05957	0.19877	-0.06549	0.15768	-0.0353	0.44667	-0.01338
0.092887	0.04483	0.038018	0.4124	0.082593	0.07457	0.003896	0.93308	-0.08998
0.004539	0.92208	0.111423	0.016	0.012477	0.78799	0.142434	0.00203	0.300711
0.015871	0.73229	0.004472	0.92322	0.006781	0.88381	-0.01225	0.79179	0.099437
0.052719	0.25553	-0.08477	0.06722	0.026457	0.56847	-0.13427	0.00365	-0.24044
-0.01259	0.78609	0.087004	0.06029	0.017149	0.71166	0.118594	0.01032	0.168257
-0.09418	0.04192	-0.01896	0.68284	-0.07251	0.11761	0.014824	0.74934	0.024573
-0.0306	0.50953	-0.04537	0.3279	-0.04879	0.29276	-0.04543	0.32723	-0.00457
-0.00534	0.90833	0.084937	0.06667	0.052286	0.25946	0.071511	0.12278	0.155475
-0.05374	0.24646	0.054733	0.2378	-0.03846	0.40701	0.09766	0.03487	0.22809
-0.04448	0.33746	0.032982	0.47706	0.000145	0.9975	0.042073	0.36432	0.076974
0.105579	0.0225	0.008911	0.8477	0.031572	0.49612	-0.021	0.65077	-0.00916
0.077853	0.09287	-0.004	0.93132	0.017583	0.7047	-0.02197	0.63575	0.099845
0.140087	0.00241	-0.02481	0.59277	0.076791	0.09743	-0.08583	0.06386	-0.18219
0.027164	0.55817	0.061297	0.18606	0.024189	0.60209	0.043607	0.34708	0.154475
-0.02754	0.55273	0.046965	0.31117	-0.02118	0.64804	0.068614	0.13873	0.138762
-0.0902	0.05141	-0.00267	0.95416	-0.03803	0.41231	0.001987	0.96584	0.165409
-0.00157	0.973	0.13392	0.00374	0.026117	0.57345	0.17509	0.00014	0.270893
0.019472	0.67469	0.086349	0.06225	0.016748	0.71811	0.103093	0.02589	0.174725
0.026129	0.57328	-0.00223	0.96164	-0.04055	0.38191	0.026254	0.57144	0.134478
-0.08533	0.06541	0.080102	0.08378	-0.03328	0.47314	0.132132	0.00423	0.309833
-0.08795	0.05755	-0.09521	0.03972	-0.13047	0.00474	-0.0475	0.30571	-0.07676
0.053514	0.24843	0.069378	0.13438	0.039603	0.39317	0.082267	0.07572	0.087072
-0.06488	0.16155	0.07337	0.11332	-0.0308	0.50668	0.1206	0.00909	0.169826
-0.0132	0.776	-0.10697	0.02077	-0.0195	0.67425	-0.1479	0.00135	-0.20116
0.020848	0.65316	-0.12412	0.00724	0.025078	0.58881	-0.20766	6.04E-06	-0.35857
-0.05579	0.22887	0.035209	0.44781	0.019346	0.67669	0.030737	0.50758	-0.01421
-0.01282	0.78239	-0.04955	0.28527	-0.04233	0.36139	-0.03431	0.45953	0.01739
0.018022	0.69768	-0.01492	0.74784	-0.05246	0.25792	0.011477	0.80463	-0.06183
-0.02568	0.57994	-0.08929	0.05382	-0.00632	0.89159	-0.11868	0.01026	-0.1863
-0.00795	0.86402	-0.0961	0.0379	-0.02895	0.53252	-0.11312	0.01445	-0.29337
-0.01611	0.72842	0.005398	0.90739	-0.00955	0.83691	0.006279	0.89236	0.142709
0.02382	0.60763	0.12605	0.00638	0.037276	0.4216	0.130937	0.00459	0.303391
0.015969	0.7307	0.014019	0.76254	0.016995	0.71414	0.008732	0.85072	0.136908

0.026437	0.56876	0.090303	0.05115	0.021402	0.64458	0.109095	0.01836	0.213704
0.006387	0.89051	0.120306	0.00926	0.026137	0.57316	0.14095	0.00227	0.27194
-0.0389	0.40165	0.03646	0.43183	-0.02827	0.54229	0.057789	0.21257	0.18061
-0.09964	0.03133	-0.09311	0.04431	-0.08298	0.07322	-0.08243	0.07513	-0.04589
0.006433	0.88972	0.006721	0.88482	-0.01952	0.67398	0.020344	0.66101	0.144279
-0.07565	0.10251	-0.13461	0.00356	-0.10451	0.0239	-0.12761	0.00575	-0.13038
0.027837	0.54846	0.000358	0.99385	0.047413	0.30658	-0.02563	0.58059	0.010136
-0.06652	0.1512	0.008357	0.85706	-0.01746	0.70669	0.004448	0.92363	0.168907
-0.08731	0.05937	0.003154	0.94581	-0.04922	0.28853	0.035741	0.44098	0.13071
-0.03305	0.47615	-0.06826	0.14078	-0.05649	0.22305	-0.06033	0.19311	-0.04991
-0.00825	0.85879	0.042171	0.3632	0.00063	0.98918	0.035168	0.44833	0.08518
-0.06145	0.18496	0.090298	0.05116	-0.01797	0.69851	0.143804	0.00184	0.263085
-0.12797	0.00562	-0.00689	0.88192	-0.0816	0.07814	0.02711	0.55896	0.2528
-0.00019	0.99669	0.099606	0.03139	0.039877	0.38991	0.104386	0.02408	0.257483
-0.15242	0.00095	0.016251	0.72614	-0.06237	0.17848	0.062442	0.17796	0.116765
0.063765	0.16892	0.038933	0.40124	-0.00947	0.83827	0.057824	0.21229	0.141381
-0.04136	0.37253	0.103335	0.02554	0.039698	0.39204	0.089261	0.0539	0.297019
-0.02183	0.63799	0.027206	0.55756	-0.03042	0.51196	0.047761	0.30303	0.206269
0.047968	0.30094	0.008926	0.84744	0.054094	0.24333	-0.01904	0.68155	-0.11474
0.015943	0.73112	-0.02389	0.60664	0.04208	0.36423	-0.06229	0.17898	-0.18728
-0.00184	0.96843	-0.0904	0.05091	0.02192	0.63658	-0.14163	0.00216	-0.23521
0.004331	0.92563	0.136525	0.00311	0.125398	0.00666	0.09513	0.03989	0.157799
0.028323	0.5415	0.051281	0.26875	0.036314	0.43368	0.035405	0.44528	0.154913
-0.04467	0.33544	-0.10994	0.01747	-0.02801	0.54601	-0.13358	0.00383	-0.27827
0.029206	0.52896	0.022041	0.63472	-0.01173	0.80045	0.022204	0.63222	0.075651
-0.02966	0.52256	0.075413	0.1036	-0.00965	0.83527	0.108484	0.01903	0.209903
-0.10715	0.02055	-0.03621	0.43494	-0.109	0.01846	0.00594	0.89814	0.088897
-0.01216	0.79319	-0.00073	0.98748	-0.01201	0.79582	-0.01547	0.73876	0.097827
0.019984	0.66665	0.056768	0.22078	0.025367	0.58452	0.047606	0.30461	0.142372
0.046667	0.31426	0.142324	0.00205	0.064559	0.16367	0.135544	0.00334	0.361398
0.010661	0.81827	0.05767	0.21351	0.008403	0.85629	0.073242	0.11395	0.159224
-0.04773	0.30337	-0.15506	0.00077	-0.01878	0.68562	-0.21955	1.67E-06	-0.35827
-0.02444	0.59831	-0.09837	0.03357	-0.05569	0.2297	-0.11713	0.01131	-0.13587
0.063591	0.17009	0.098624	0.03311	0.050969	0.27168	0.10133	0.02856	0.22793
0.000727	0.9875	0.09577	0.03856	-0.00014	0.99751	0.130199	0.00483	0.252002
0.073619	0.1121	-0.02855	0.53824	-0.00123	0.97891	-0.04067	0.38059	-0.01038
0.214541	2.89E-06	0.054914	0.23625	0.159819	0.00053	-0.04548	0.32669	-0.07399
-0.09578	0.03855	-0.03014	0.51586	-0.08236	0.07538	0.008921	0.84752	0.055582
0.068579	0.13893	0.145287	0.00164	0.077536	0.09421	0.151311	0.00104	0.364297
-0.06842	0.13983	0.071186	0.1245	-0.03708	0.42405	0.122332	0.00813	0.307956
0.008486	0.85488	0.082259	0.07575	0.04597	0.32155	0.072829	0.11602	0.25836
0.004922	0.91552	0.117826	0.01082	0.039708	0.39192	0.114938	0.01294	0.31992
-0.03538	0.44561	0.070549	0.12791	0.011604	0.8025	0.073864	0.11091	0.291589
0.017577	0.7048	-0.06433	0.16516	-0.0457	0.32443	-0.05758	0.2142	-0.07206
0.121211	0.00874	0.034206	0.46086	0.043733	0.34569	0.009482	0.83807	0.073724

-0.04845	0.29615	0.046955	0.31128	-0.03322	0.47384	0.079043	0.08797	0.195166
0.009316	0.84087	-0.05856	0.20653	0.015295	0.74166	-0.08574	0.06412	-0.19892
0.01841	0.69151	-0.07757	0.09407	0.021403	0.64455	-0.12723	0.0059	-0.20436
-0.06316	0.17298	0.014567	0.75355	-0.0348	0.45312	0.031699	0.49438	0.166569
-0.00411	0.92942	-0.14077	0.0023	-0.03074	0.50753	-0.19681	1.84E-05	-0.25994
0.172566	0.00018	0.033701	0.46751	0.120241	0.0093	-0.02733	0.55584	-0.07489
-0.02278	0.62342	0.12424	0.00719	-0.00473	0.91886	0.192475	2.82E-05	0.19728
0.117052	0.01136	-0.00883	0.84904	0.11354	0.01409	-0.08676	0.06102	-0.16022
0.129339	0.00512	0.043253	0.35101	0.138245	0.00275	-0.04881	0.29252	-0.02578
-0.11236	0.01513	-0.01584	0.73278	-0.05381	0.24583	-0.00357	0.93859	0.113175
-0.11193	0.01552	0.032207	0.48749	-0.05836	0.20805	0.083765	0.07053	0.186345
-0.00191	0.96715	0.035515	0.44387	-0.0136	0.76938	0.048491	0.2957	0.109278
-0.0447	0.3351	0.008873	0.84834	-0.03481	0.45304	0.024512	0.59725	0.088687
0.067772	0.14365	0.110646	0.01676	0.049955	0.28134	0.137767	0.00285	0.162011
-0.00874	0.85052	0.089915	0.05216	0.020198	0.6633	0.129075	0.00521	0.165862
-0.04512	0.33056	-0.02632	0.57049	-0.04932	0.28747	-0.0043	0.92612	0.050799
0.112178	0.01529	0.091737	0.04756	0.070201	0.12981	0.082201	0.07596	0.210697
0.072824	0.11604	-0.00485	0.9167	0.056358	0.22413	-0.04955	0.28528	-0.06955
-0.09745	0.03526	-0.15185	0.001	-0.13856	0.00269	-0.11008	0.01733	-0.16763
0.004344	0.92541	0.124595	0.00702	0.036487	0.4315	0.157224	0.00065	0.213293
0.07385	0.11098	0.039735	0.3916	0.106494	0.02135	-0.00503	0.91368	-0.02536
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0.069018	0.13642	0.047326	0.30747	0.013002	0.7793	0.044579	0.33643	0.149309
-0.0952	0.03974	-0.15174	0.001	-0.13837	0.00273	-0.13688	0.00304	-0.11948
0.034903	0.45177	-0.03756	0.41807	-0.0172	0.71091	-0.06193	0.18154	0.005386
0.002275	0.96089	-0.02337	0.61438	-0.04026	0.38539	-0.00932	0.84082	0.036006
0.143748	0.00184	0.090638	0.05029	0.056354	0.22417	0.089357	0.05364	0.22371
0.052106	0.26111	0.061078	0.18764	0.03833	0.40858	0.041459	0.37137	0.128639
0.007296	0.87505	0.006133	0.89485	0.009591	0.83624	-0.02095	0.65163	0.175025
0.008184	0.85999	-0.02081	0.65383	-0.01119	0.80946	-0.03312	0.47526	0.054459
0.018766	0.68585	-0.03914	0.39875	-0.02872	0.53585	-0.04758	0.30486	-0.00115
0.034612	0.45555	0.073208	0.11413	0.001572	0.97297	0.110788	0.01662	0.131521
-0.00756	0.87065	0.075542	0.10301	-0.00081	0.98607	0.098292	0.03371	0.139707
0.117483	0.01106	0.026874	0.56239	0.109068	0.01839	-0.03584	0.43972	0.007672
-0.02023	0.66286	0.014897	0.74816	-0.00978	0.83305	0.024362	0.5995	0.168907
-0.11464	0.01318	-0.2208	1.45E-06	-0.16195	0.00044	-0.21395	3.08E-06	-0.1842
0.00727	0.8755	-0.05305	0.25258	-0.03336	0.47196	-0.04977	0.28311	-0.04538
-0.00756	0.87053	0.006763	0.88411	0.004933	0.91532	-0.00746	0.87218	0.033176
0.041437	0.37162	0.060943	0.18861	0.024148	0.6027	0.054897	0.23639	0.175385
-0.06693	0.14869	-0.13543	0.00336	-0.128	0.0056	-0.12687	0.00604	-0.13435
0.015098	0.74487	-0.00779	0.86671	-0.01934	0.6768	-0.00916	0.84356	0.069086
0.125019	0.00683	0.09072	0.05008	0.154728	0.00079	0.037663	0.41678	-0.0332
-0.02572	0.5793	0.102927	0.02613	-0.0011	0.98104	0.14117	0.00223	0.289944
-0.04609	0.32033	-0.00646	0.88922	-0.05983	0.19686	0.036142	0.43587	0.01145
-0.03195	0.49091	-0.00818	0.86006	-0.02279	0.62324	-0.01927	0.67781	0.061336

-0.01191	0.79749	-0.10611	0.02182	-0.10841	0.0191	-0.08096	0.08052	-0.08357
0.046275	0.31835	0.003157	0.94575	-0.02094	0.65172	0.010313	0.8241	0.048954
-0.02794	0.54694	0.022424	0.62885	-0.02064	0.65641	0.03883	0.40248	0.109035
0.025063	0.58902	0.019192	0.67912	-0.02118	0.64804	0.044183	0.34074	0.105797
0.024363	0.59947	-0.02652	0.56754	0.001524	0.97379	-0.04956	0.28521	0.020851
-0.01463	0.75252	0.014998	0.7465	-0.02998	0.51809	0.024506	0.59734	0.161906
-0.06088	0.18907	0.049198	0.28871	-0.05329	0.25046	0.108959	0.01851	0.182213
-0.05854	0.20669	-0.02958	0.52367	-0.0159	0.73181	-0.04494	0.3325	0.050043
-0.01947	0.67478	-0.04177	0.36778	-0.05542	0.23195	-0.04574	0.32401	0.007286
-0.0196	0.67262	-0.0029	0.9502	-0.04174	0.36812	0.031746	0.49374	0.047217
-0.02766	0.55104	-0.12473	0.00696	-0.05446	0.24016	-0.15105	0.00106	-0.138
-0.05215	0.26073	0.038317	0.40874	-0.01643	0.72317	0.046116	0.32001	0.192823
-0.01006	0.82831	0.052425	0.2582	-0.01421	0.75943	0.079549	0.08595	0.133056
0.088786	0.0552	0.165862	0.00032	0.072098	0.11973	0.183665	6.54E-05	0.366431
-0.00856	0.85369	-0.10822	0.01932	-0.061	0.18821	-0.12083	0.00896	-0.03498
0.062296	0.17897	0.201526	1.14E-05	0.112697	0.01482	0.18396	6.36E-05	0.413767
-0.14848	0.00129	-0.1096	0.01782	-0.12396	0.00732	-0.07587	0.10151	-0.08758
0.06972	0.13246	0.098907	0.0326	0.050134	0.27962	0.102975	0.02606	0.164967
0.110219	0.01718	0.008209	0.85957	0.033304	0.47278	-0.02963	0.52304	0.122179
0.023276	0.61586	0.004412	0.92424	-0.01642	0.72344	0.007602	0.86985	0.11991
0.00134	0.97696	0.128954	0.00526	0.031537	0.4966	0.1566	0.00068	0.324594
0.115192	0.01274	0.011571	0.80307	0.106483	0.02136	-0.05958	0.19874	-0.11631
0.018237	0.69426	-0.0589	0.20392	0.047543	0.30525	-0.13062	0.0047	-0.15121
0.02176	0.63905	-0.11696	0.01143	-0.03504	0.45002	-0.15559	0.00074	-0.13044
0.031794	0.49309	0.024768	0.59342	0.010473	0.82143	0.035791	0.44034	0.050963
-0.09623	0.03763	-0.01941	0.67563	-0.09414	0.042	0.035259	0.44716	0.102756
0.014245	0.75882	0.027439	0.5542	-0.03057	0.50985	0.060573	0.19132	0.152104
-0.00845	0.85555	-0.03303	0.47644	-0.06141	0.18525	-0.01322	0.77563	0.065156
0.012545	0.78687	0.090857	0.04974	0.029201	0.52903	0.099736	0.03117	0.238544
-0.04711	0.30963	0.097635	0.03492	0.004535	0.92213	0.122055	0.00828	0.278215
0.110518	0.01688	0.141219	0.00222	0.074566	0.10755	0.139444	0.00253	0.308642
-0.01568	0.73543	0.080558	0.08203	0.011257	0.8083	0.094547	0.04112	0.208374
0.125763	0.0065	-0.00973	0.83386	0.097495	0.03518	-0.08287	0.07361	-0.16679
0.011795	0.79932	0.043291	0.35059	0.003654	0.93723	0.044235	0.34017	0.15887
-0.03687	0.4267	-0.05078	0.27342	0.021907	0.63678	-0.1095	0.01793	-0.19499
0.004038	0.93065	0.09216	0.04654	0.007329	0.8745	0.118815	0.01017	0.186529
-0.07239	0.11821	0.093122	0.04429	-0.0235	0.61253	0.139226	0.00257	0.324958
-0.03192	0.49136	0.087721	0.05819	-0.00947	0.83819	0.129477	0.00507	0.277496
0.018675	0.68729	0.104172	0.02437	0.030378	0.51255	0.119242	0.0099	0.214356
-0.02122	0.64747	0.17214	0.00019	0.023043	0.61941	0.223344	1.09E-06	0.429591
-0.03892	0.4014	-0.07018	0.12993	0.018272	0.6937	-0.11743	0.0111	-0.18154
0.037062	0.42426	0.134657	0.00355	0.041032	0.37631	0.164821	0.00035	0.270039
-0.03293	0.47781	0.12859	0.00539	0.012453	0.78839	0.16019	0.00051	0.341398
0.077	0.09651	0.0418	0.36744	0.025649	0.58034	0.033622	0.46855	0.129553
-0.07397	0.1104	-0.02744	0.55421	-0.05572	0.22944	-0.01427	0.75839	0.144248



0.010397	0.8227	-0.07681	0.09733	-0.01695	0.71488	-0.09215	0.04656	-0.20935
0.027524	0.55296	0.079554	0.08593	0.014562	0.75363	0.099677	0.03127	0.227674
-0.04669	0.31398	0.014668	0.7519	-3.15E-05	0.99946	0.014493	0.75476	0.122419
-0.01504	0.74583	-0.10812	0.01943	-0.02467	0.59491	-0.13631	0.00316	-0.25616
0.021372	0.64504	0.044339	0.33903	0.071296	0.12391	0.002771	0.95238	-0.0028
0.023598	0.61099	0.126997	0.00599	0.030276	0.51397	0.149958	0.00115	0.33023
-0.08514	0.06601	-0.0666	0.15069	-0.08977	0.05253	-0.04879	0.29269	0.084192
0.00364	0.93746	0.096702	0.0367	0.003176	0.94543	0.129948	0.00491	0.277953
-0.05195	0.26251	0.070736	0.1269	-0.02354	0.61188	0.116449	0.01179	0.265265
-0.01444	0.75557	0.068259	0.14079	0.010949	0.81344	0.0802	0.0834	0.19769
-0.02863	0.53706	-0.01641	0.72353	0.031101	0.50256	-0.06277	0.17567	-0.0704
-0.04909	0.28972	-0.07631	0.09956	-0.07874	0.08918	-0.05541	0.23202	0.059224
-0.07181	0.12123	-0.033	0.47676	-0.04743	0.30645	-0.00987	0.83161	0.054965
0.035243	0.44737	0.05589	0.22801	0.025592	0.58119	0.066855	0.14917	0.153926
0.067843	0.14323	0.12035	0.00923	0.078545	0.08999	0.104358	0.02411	0.237405
0.064758	0.16237	-0.01792	0.69931	-0.00153	0.97362	-0.01217	0.79303	-0.0482
-0.01326	0.77497	-0.0817	0.07776	-0.01834	0.69264	-0.0989	0.03261	-0.18709
-0.06365	0.16971	0.027287	0.55639	-0.01074	0.81693	0.042364	0.36101	0.092065
-0.01488	0.74841	-0.05952	0.19919	-0.06097	0.18843	-0.053	0.25301	-0.03828
0.158335	0.00059	0.082818	0.07378	0.158106	0.00061	0.006975	0.88051	0.021754
0.035929	0.43858	0.069235	0.13518	0.016086	0.7288	0.092931	0.04473	0.165202
0.074424	0.10822	0.006718	0.88488	0.091527	0.04807	-0.05036	0.27745	-0.08594
0.006413	0.89006	0.120896	0.00892	0.02991	0.51908	0.144332	0.00177	0.342195
0.006191	0.89385	-0.01779	0.70137	-0.02343	0.61349	-0.03088	0.5056	0.061993
-0.08207	0.07645	-0.03316	0.47463	-0.07946	0.0863	0.014491	0.75479	-0.0384
0.120735	0.00901	0.060835	0.1894	0.116714	0.0116	0.026385	0.56952	0.041876
0.018681	0.6872	-0.03895	0.40109	-0.02088	0.65268	-0.04691	0.31177	-0.00734
-0.09199	0.04694	-0.04036	0.38421	-0.09541	0.0393	0.004852	0.91672	-0.00116
-0.02633	0.57036	0.106668	0.02114	0.007162	0.87732	0.135194	0.00342	0.307043
-0.05821	0.20927	0.067427	0.14571	-0.01965	0.67188	0.101775	0.02786	0.169934
0.016194	0.72705	-0.00506	0.91313	0.047553	0.30515	-0.04236	0.36103	-0.12632
-0.01526	0.74216	-0.04892	0.29145	-0.00401	0.93105	-0.06493	0.16123	-0.07997
0.032437	0.48438	0.158101	0.00061	0.052237	0.25991	0.173341	0.00017	0.399706
0.038058	0.41191	0.125337	0.00669	0.049555	0.28521	0.130066	0.00488	0.324742
0.021219	0.64741	0.021978	0.63568	0.004313	0.92594	0.029496	0.52488	0.162734
0.059842	0.19674	-0.025	0.58992	-0.03939	0.39576	0.006029	0.89661	-0.01003
-0.11653	0.01174	-0.10318	0.02576	-0.11598	0.01214	-0.07072	0.12699	-0.0846
-0.0583	0.20857	-0.08252	0.07483	-0.01583	0.73302	-0.10649	0.02136	-0.12596
0.025851	0.57737	0.05829	0.20863	0.022409	0.62908	0.053023	0.2528	0.099701
-0.00244	0.95809	-0.07505	0.10526	-0.04675	0.31335	-0.08651	0.06177	-0.02811
-0.01879	0.68542	-0.04242	0.36039	-0.02033	0.66125	-0.05659	0.22226	0.002807
0.033632	0.46842	0.103637	0.02511	-0.00014	0.99763	0.13868	0.00267	0.254396
0.032688	0.481	0.084599	0.06776	0.015416	0.73968	0.106485	0.02136	0.184268
-0.00256	0.956	0.020694	0.65555	-0.02254	0.62706	0.028289	0.54198	0.153038
0.118153	0.01061	0.015994	0.73031	0.055315	0.23284	-0.00858	0.85322	0.096724

0.037704	0.41627	-0.01676	0.71787	-0.00328	0.94362	-0.02659	0.56653	0.060444
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-0.0276	0.55188	0.05963	0.19833	-0.00923	0.84235	0.091703	0.04764	0.185803
0.006155	0.89446	0.109725	0.01769	0.03765	0.41694	0.124399	0.00711	0.263763
0.000927	0.98407	0.02171	0.63982	-0.01862	0.68814	0.030931	0.5049	0.13579
-0.03407	0.46266	0.030129	0.51602	-0.0269	0.56198	0.055061	0.23499	0.12872
0.042804	0.35604	-0.08761	0.0585	0.047948	0.30114	-0.15986	0.00052	-0.25183
0.025274	0.5859	0.080535	0.08212	0.015218	0.74291	0.106632	0.02118	0.173006
-0.03888	0.40185	0.020043	0.66574	-0.02701	0.56034	0.051879	0.2632	0.051961
0.085301	0.06551	-0.06538	0.15835	0.01113	0.81041	-0.10442	0.02403	-0.16609
-0.03187	0.49205	0.011962	0.79654	-0.04966	0.28419	0.053291	0.25041	0.064115
-0.05521	0.23376	-0.01536	0.74057	-0.02459	0.59609	-0.02103	0.65034	0.116165
0.039843	0.39032	0.150812	0.00108	0.050129	0.27967	0.188899	3.99E-05	0.256985
-0.11989	0.00951	-0.17629	0.00013	-0.15066	0.00109	-0.15098	0.00107	-0.19479
-0.02361	0.61075	0.048414	0.29646	-0.01456	0.75362	0.081118	0.07992	0.116007
-0.08793	0.05758	-0.0385	0.40649	-0.07003	0.13075	-0.0186	0.68842	0.030344
-0.03542	0.44511	-0.01619	0.7272	-0.0456	0.32549	-0.00154	0.97354	0.044995
5.54E-05	0.99905	0.030045	0.51718	-0.00082	0.98589	0.033944	0.46431	0.056016
-0.12395	0.00732	0.031863	0.49215	-0.03782	0.41487	0.048291	0.2977	0.18031
-0.0859	0.06363	0.008326	0.85759	-0.0679	0.14289	0.042623	0.35808	0.191897
0.031269	0.50026	-0.01099	0.81281	-0.01661	0.72033	-0.01254	0.78702	0.060988
-0.00644	0.88959	0.060875	0.18911	0.00336	0.94227	0.062412	0.17817	0.180326
-0.07819	0.09144	0.023519	0.61219	-0.06659	0.15081	0.063704	0.16933	0.173805
-0.07339	0.11322	-0.13326	0.00391	-0.07068	0.1272	-0.14242	0.00203	-0.27226
0.040936	0.37743	-0.02208	0.63411	0.043868	0.34419	-0.06908	0.13607	-0.13779
-0.03249	0.48364	0.059131	0.20212	-0.01138	0.8062	0.079538	0.08599	0.232803
-0.04769	0.30378	-0.03653	0.43097	-0.05696	0.21919	-0.01706	0.71317	-0.00125
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-0.09349	0.04345	-0.03596	0.43816	-0.07684	0.09723	-0.01101	0.81236	0.058529
-0.08896	0.05471	0.054782	0.23738	-0.0296	0.52344	0.096243	0.03761	0.173415
-0.09542	0.03928	0.045715	0.32424	-0.04446	0.33771	0.090881	0.04968	0.201307
0.056313	0.22451	0.013852	0.76529	0.054852	0.23678	-0.02074	0.65485	-0.03422
0.093438	0.04357	0.146963	0.00145	0.077023	0.09641	0.161576	0.00046	0.301369
0.057994	0.21095	0.11365	0.01399	0.073524	0.11257	0.102129	0.02732	0.237645
-4.98E-05	0.99914	0.113592	0.01404	0.022158	0.63292	0.162577	0.00042	0.280543
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-0.02642	0.56901	0.0991	0.03227	0.015768	0.73396	0.10999	0.01742	0.157106
0.002991	0.9486	0.051085	0.27058	0.002328	0.95999	0.066955	0.14856	0.081704
0.019764	0.6701	0.127578	0.00576	0.047931	0.30132	0.141025	0.00225	0.302806
0.110553	0.01685	-0.01591	0.73174	0.067426	0.14571	-0.07702	0.09643	-0.08914
-0.01249	0.78778	0.093636	0.04312	0.002529	0.95653	0.112912	0.01463	0.255948
0.008326	0.85759	0.062263	0.1792	0.01543	0.73946	0.075894	0.10141	0.177605
0.079076	0.08783	0.048413	0.29648	0.116017	0.01211	-0.01607	0.72905	0.046334
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0.003209	0.94486	-0.10938	0.01806	-0.029	0.53183	-0.13481	0.00351	-0.17572
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0.124988	0.00684	0.034188	0.4611	0.058146	0.20976	0.002396	0.95882	0.131237
-0.05268	0.25592	-0.10655	0.02128	-0.08684	0.06076	-0.0907	0.05012	-0.12747
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0.038397	0.40776	0.062998	0.17411	0.014565	0.75358	0.070914	0.12594	0.199551
0.141101	0.00224	0.226821	7.30E-07	0.212111	3.76E-06	0.180291	8.94E-05	0.268741
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0.101943	0.02761	0.061661	0.18345	0.02985	0.51991	0.067144	0.14741	0.151813
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0.026787	0.56365	0.127611	0.00575	0.054243	0.24203	0.140018	0.00242	0.36875
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0.027202	0.55763	-0.0583	0.20852	0.00571	0.90206	-0.08704	0.06018	-0.05433
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0.02543	0.58358	0.094158	0.04197	0.057753	0.21285	0.070212	0.12975	0.260162
0.016197	0.727	0.077392	0.09482	0.020745	0.65476	0.082427	0.07515	0.162888
-0.02515	0.58769	0.010396	0.8227	0.010263	0.82493	-0.01294	0.78026	0.125464
0.038314	0.40878	0.099235	0.03203	0.017982	0.69833	0.120386	0.00921	0.331281
0.005778	0.90089	-0.01194	0.79695	-0.04736	0.30707	0.012223	0.79221	0.088604
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0.130928	0.0046	0.008063	0.86204	0.105501	0.0226	-0.05239	0.2585	-0.1439
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0.072804	0.11614	0.171604	0.00019	0.074791	0.10649	0.194274	2.36E-05	0.328426
0.112832	0.0147	0.02484	0.59235	0.067254	0.14675	0.000607	0.98957	-0.04712
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0.031381	0.49872	0.127962	0.00562	0.048612	0.29449	0.140497	0.00234	0.313246
-0.07751	0.09433	0.02986	0.51977	-0.05254	0.25714	0.072439	0.11799	0.123582
-0.08146	0.07864	-0.06619	0.15328	-0.09863	0.0331	-0.0318	0.493	-0.11755
-0.00685	0.88267	0.005288	0.90926	-0.03753	0.41841	0.042736	0.3568	-0.03071
-0.02981	0.52053	0.003348	0.94248	-0.01745	0.70677	0.013374	0.77315	0.063613
-0.03228	0.48651	0.065483	0.1577	-0.02528	0.58584	0.116214	0.01196	0.174977
-0.11081	0.0166	0.039478	0.39468	-0.07548	0.10331	0.104789	0.02353	0.175535
-0.01858	0.68876	0.16558	0.00033	0.06994	0.13125	0.171101	0.0002	0.372899
0.047804	0.3026	0.003166	0.9456	0.077077	0.09618	-0.04867	0.29393	-0.20771
-0.08769	0.0583	-0.01539	0.74018	-0.06203	0.18083	0.016279	0.72568	0.054338
-0.01701	0.71386	0.018459	0.69073	0.007334	0.87441	-0.00239	0.95893	0.210546
-0.09579	0.03852	-0.04491	0.33286	-0.06265	0.1765	-0.04279	0.35618	0.048679
-0.00554	0.90499	-0.08284	0.0737	-0.08801	0.05737	-0.0437	0.34601	-0.05005
-0.10122	0.02872	-0.03812	0.41116	-0.08944	0.05343	-0.00645	0.88952	0.085887

0.004147	0.92878	0.058949	0.20352	-0.04617	0.31945	0.127864	0.00566	0.052343
-0.03681	0.42737	-0.03827	0.40936	-0.04519	0.32983	-0.02678	0.56382	0.026736
-0.07286	0.11587	0.086074	0.06309	-0.01765	0.7037	0.126539	0.00618	0.232872
-0.06481	0.16203	-0.01465	0.75216	-0.07554	0.10301	0.022772	0.62352	0.020844
-0.04945	0.28619	-0.04326	0.35096	-0.09148	0.04818	0.0067	0.88518	0.037898
0.022104	0.63376	-0.06843	0.13979	0.031213	0.50103	-0.12001	0.00943	-0.28522
0.051529	0.26644	0.105553	0.02253	0.069146	0.13569	0.081085	0.08004	0.191889
-0.04559	0.32555	0.037907	0.41378	-0.04738	0.30694	0.095701	0.0387	0.131717
0.171612	0.00019	0.055787	0.22887	0.177092	0.00012	-0.04423	0.3402	-0.09306
0.131477	0.00443	0.031834	0.49255	0.137691	0.00287	-0.06556	0.15723	-0.04088
-0.0587	0.20543	-0.07676	0.09757	-0.00373	0.93595	-0.12277	0.00791	-0.28409
-0.10187	0.02771	-0.09513	0.03989	-0.07536	0.10383	-0.09668	0.03675	-0.06119
-0.0961	0.03789	-0.07559	0.1028	-0.1003	0.03022	-0.0484	0.29658	0.006596
0.032209	0.48746	0.012297	0.79097	0.059049	0.20275	-0.01897	0.68256	-0.05308
-0.05762	0.21388	-0.11035	0.01705	-0.06434	0.16508	-0.12853	0.00541	-0.07888
-0.07187	0.12094	0.026114	0.5735	-0.04357	0.34749	0.048184	0.29877	0.266792
-0.07273	0.11653	-0.09191	0.04713	-0.09688	0.03636	-0.06391	0.16792	-0.14569
-0.0365	0.43129	0.02398	0.60523	-0.03152	0.49689	0.048395	0.29665	0.244565
0.084333	0.06863	0.087552	0.05868	0.045641	0.32503	0.088874	0.05495	0.186238
0.021118	0.64898	0.108373	0.01915	0.012374	0.7897	0.140343	0.00237	0.320878
-0.03622	0.43491	-0.00826	0.85866	0.037757	0.41563	-0.04367	0.34634	-0.10278
-0.01337	0.77323	-0.03739	0.4202	-0.06624	0.15292	-0.01512	0.74443	0.05142
-0.0665	0.15135	-0.04049	0.38263	-0.05661	0.22204	-0.02406	0.60396	-0.0407
-0.08787	0.05777	0.074853	0.1062	-0.00991	0.83095	0.091124	0.04906	0.328485
0.027576	0.55223	0.065013	0.16072	-0.00796	0.86381	0.0949	0.04037	0.243379
-0.06248	0.17766	-0.0269	0.56206	-0.04998	0.28115	-0.01798	0.69828	0.068291
0.031271	0.50023	-0.00413	0.92902	-0.00943	0.83889	0.023115	0.61832	0.023337
-0.05516	0.23418	0.037775	0.4154	-0.03481	0.45293	0.056534	0.22269	0.135315
-0.03163	0.49537	0.043195	0.35166	-0.05449	0.23988	0.096017	0.03806	0.26556
-0.01215	0.79334	0.044825	0.33376	-0.00214	0.96321	0.041931	0.36594	0.227901
0.122523	0.00803	0.067822	0.14336	0.062428	0.17805	0.056672	0.22156	0.089095
0.006072	0.89588	0.072787	0.11623	0.025957	0.5758	0.081153	0.07979	0.190652
0.054627	0.23871	-0.03248	0.48378	-0.00908	0.84491	-0.05164	0.26538	0.011233
-0.00279	0.95201	-0.00294	0.94948	-0.01011	0.8275	0.000614	0.98944	0.020212
0.123686	0.00745	-0.00667	0.88573	0.104895	0.02339	-0.07937	0.08665	-0.07698
0.041169	0.37472	0.057687	0.21338	0.012941	0.7803	0.059558	0.19888	0.153299
-0.09772	0.03477	0.017766	0.70177	-0.0468	0.31286	0.047737	0.30328	0.192338
-0.06745	0.14559	0.021422	0.64426	-0.03835	0.40828	0.049394	0.28678	0.125601
-0.03719	0.42261	0.082936	0.07336	-0.02584	0.57759	0.131784	0.00434	0.340357
0.088465	0.05609	0.010991	0.81274	0.088068	0.0572	-0.02986	0.51976	-0.07835
-0.08417	0.06919	0.060673	0.19059	-0.01372	0.76748	0.091547	0.04802	0.196027
-0.01331	0.77414	0.129858	0.00494	0.022577	0.62651	0.158986	0.00056	0.316742
-0.04955	0.28528	-0.04994	0.28144	-0.04952	0.28554	-0.05792	0.21155	-0.00661
-0.07174	0.12158	-0.04864	0.29417	-0.05478	0.23741	-0.05074	0.27384	0.016373
-0.0243	0.60045	-0.04205	0.36459	-0.04118	0.37464	-0.03433	0.45925	-0.0445

0.037414	0.41988	0.015333	0.74103	-0.01717	0.71139	0.032754	0.48012	0.086746
-0.00931	0.84089	-0.1465	0.0015	-0.09441	0.04141	-0.14413	0.00179	-0.17733
0.011166	0.80981	0.078569	0.08989	0.002648	0.95449	0.10926	0.01818	0.178965
-0.03283	0.47915	0.024606	0.59584	0.034693	0.45449	0.016446	0.72299	-0.05723
-0.06919	0.13545	-2.38E-05	0.99959	-0.06477	0.16228	0.029923	0.51889	0.113518
0.001561	0.97316	0.025343	0.58487	-0.01277	0.7831	0.038396	0.40777	0.103239
0.072832	0.116	-0.01616	0.72761	0.002311	0.96027	-0.02691	0.56192	0.114807
0.063774	0.16886	0.093463	0.04351	0.048797	0.29266	0.091363	0.04847	0.186978
-0.01264	0.78536	0.091669	0.04772	0.025096	0.58853	0.094735	0.04072	0.258299
-0.06199	0.18115	0.135349	0.00338	-0.00049	0.99153	0.190486	3.42E-05	0.315777
-0.08202	0.07661	0.070392	0.12876	-0.01432	0.75759	0.099549	0.03149	0.246578
0.002349	0.95962	0.083092	0.07282	0.010236	0.8254	0.096892	0.03633	0.14047
-0.04139	0.37214	0.046628	0.31466	-0.02013	0.66436	0.077799	0.0931	0.181252
-0.05724	0.21692	0.066982	0.14839	-0.00124	0.97872	0.081884	0.0771	0.211634
-0.05068	0.27444	0.028802	0.53468	-0.05394	0.24464	0.062724	0.176	0.145294
-0.02016	0.66384	0.056769	0.22077	-0.04103	0.37634	0.100617	0.0297	0.177619
-0.06275	0.17581	-0.12864	0.00537	-0.08704	0.06018	-0.12306	0.00776	-0.15202
0.065512	0.15752	0.119671	0.00964	0.040033	0.38805	0.142118	0.00208	0.283806
-0.05747	0.21508	-0.00911	0.84428	-0.04335	0.34995	-0.00617	0.89415	0.012177
0.001504	0.97415	-0.00021	0.99639	-0.01535	0.74071	-0.00121	0.97913	0.055845
0.075141	0.10486	-0.0703	0.12926	0.03958	0.39346	-0.12934	0.00512	-0.22161
0.039837	0.39039	0.038806	0.40278	0.057262	0.21678	-0.01142	0.80562	0.042114
0.007535	0.87099	0.017241	0.71018	-0.02023	0.66281	0.034406	0.45824	0.022548
0.037486	0.41898	0.135676	0.00331	0.062706	0.17613	0.149859	0.00116	0.274044
-0.03908	0.39941	0.048134	0.29927	-0.0188	0.68537	0.066463	0.15157	0.222083
-0.02146	0.64363	0.005868	0.89937	-0.00823	0.85918	-0.00908	0.84479	0.023634
-0.00938	0.83986	-0.02912	0.53018	-0.0316	0.49571	-0.03797	0.41305	0.109523
0.031171	0.50161	0.066814	0.14942	0.025414	0.58381	0.068692	0.13828	0.252147
0.103875	0.02478	-0.03257	0.48262	0.099178	0.03213	-0.12791	0.00564	-0.15703
-0.00803	0.86253	0.042434	0.36022	-0.01919	0.67915	0.072019	0.12014	0.149374
0.156464	0.00069	0.129176	0.00518	0.252616	3.12E-08	-0.03532	0.4464	-0.03112
0.005826	0.90008	0.049881	0.28205	-0.03783	0.41471	0.100463	0.02995	0.236317
0.050479	0.27631	0.170833	0.00021	0.050178	0.2792	0.202859	9.96E-06	0.346276
-0.01936	0.67652	0.01902	0.68184	-0.04648	0.31621	0.054965	0.23582	0.134335
-0.06022	0.19395	-0.06402	0.16721	-0.05863	0.20595	-0.06573	0.15616	-0.06205
-0.04133	0.37286	-0.03376	0.46672	-0.05395	0.24462	0.001565	0.97309	-0.0171
0.054128	0.24303	0.071958	0.12045	0.005537	0.90501	0.086846	0.06075	0.198968
-0.02126	0.64678	0.001934	0.96675	-0.02243	0.62873	0.005466	0.90623	0.078327
0.000597	0.98973	0.144017	0.00181	0.030854	0.50596	0.180352	8.88E-05	0.316673
-0.04468	0.33532	-0.07297	0.11531	-0.05578	0.2289	-0.07365	0.11193	-0.08555
-0.026	0.5752	0.094861	0.04045	0.002875	0.95059	0.119338	0.00984	0.299733
0.209265	5.10E-06	0.121795	0.00842	0.230112	4.98E-07	0.007776	0.86691	-0.01395
0.087002	0.06029	0.076648	0.09805	0.087466	0.05893	0.056808	0.22045	0.111315
0.00498	0.91453	-0.04402	0.34258	-0.03792	0.41366	-0.04414	0.34117	0.04786
0.037354	0.42062	-0.00732	0.87466	-0.00305	0.94765	-0.01563	0.73618	0.0546

0.021571	0.64196	-0.07205	0.12	-0.03692	0.42601	-0.08403	0.06965	-0.02579
0.079238	0.08718	-0.06136	0.18563	-0.02602	0.57482	-0.06009	0.19491	0.007139
0.018455	0.69078	0.066926	0.14873	0.011991	0.79607	0.060262	0.19361	0.197091
-0.04011	0.38718	0.120115	0.00937	0.003849	0.93389	0.162435	0.00042	0.280205
0.098795	0.0328	0.055842	0.22841	0.071176	0.12455	0.024699	0.59445	0.109958
0.012259	0.79161	0.098737	0.03291	0.02184	0.63782	0.121022	0.00885	0.280859
-0.02228	0.63106	0.065083	0.16027	-0.01058	0.81968	0.100322	0.03019	0.169509
0.085405	0.06518	0.031797	0.49304	0.030989	0.50411	0.028629	0.53714	-0.00949
-0.01267	0.78482	0.109642	0.01778	0.024451	0.59816	0.130263	0.00481	0.222023
-0.07099	0.12552	-0.18196	7.66E-05	-0.06023	0.19386	-0.21805	1.97E-06	-0.33293
0.035004	0.45047	-0.07548	0.1033	-0.06431	0.16531	-0.06626	0.15285	-0.02409
0.020952	0.65155	0.081064	0.08012	0.039541	0.39392	0.075338	0.10395	0.274926
0.029849	0.51993	0.11543	0.01256	0.039844	0.3903	0.124378	0.00712	0.261132
0.028109	0.54455	0.063506	0.17066	0.010862	0.81489	0.071519	0.12274	0.227116
0.095395	0.03933	0.054561	0.23928	0.061806	0.18242	0.019315	0.67717	0.168742
0.083962	0.06987	0.166263	0.00031	0.07869	0.0894	0.173903	0.00016	0.30027
0.032161	0.4881	-0.0529	0.25387	-0.03967	0.39242	-0.04995	0.28135	-0.03954
0.034904	0.45176	-0.05003	0.2806	0.059475	0.19951	-0.11813	0.01062	-0.15507
0.04893	0.29134	0.065472	0.15778	0.042494	0.35954	0.070313	0.1292	0.134398
0.171598	0.00019	0.001601	0.97247	0.129747	0.00498	-0.091	0.04938	-0.07985
0.069542	0.13346	0.078517	0.09011	0.022804	0.62304	0.092289	0.04623	0.127061
-0.02439	0.59904	0.120781	0.00898	0.003605	0.93807	0.166087	0.00031	0.348519
0.031097	0.50262	-0.0811	0.07999	0.039134	0.39881	-0.14544	0.00162	-0.21329
-0.00084	0.98557	-0.04504	0.33142	-0.05176	0.2643	-0.04395	0.34333	-0.01993
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0.048493	0.29567	0.125258	0.00672	0.083653	0.07091	0.114403	0.01337	0.271086
-0.03197	0.49071	-0.01735	0.70849	-0.02358	0.61119	-0.01389	0.76458	0.030633
0.003545	0.9391	0.17032	0.00022	0.042446	0.36008	0.22998	5.06E-07	0.259479
-0.04955	0.28531	0.048926	0.29138	-0.02697	0.561	0.07681	0.09734	0.298112
-0.02835	0.54118	-0.03854	0.40607	0.034883	0.45203	-0.08788	0.05775	-0.12896
0.027252	0.55689	0.01499	0.74663	0.030765	0.50719	-0.01918	0.67935	0.029452
-0.01174	0.80028	0.001389	0.97611	-0.05505	0.23506	0.049112	0.28955	0.18635
0.062208	0.17959	0.100095	0.03056	0.023919	0.60614	0.12296	0.00781	0.3039
0.018749	0.68613	0.096739	0.03663	0.04778	0.30285	0.095528	0.03906	0.131879
-0.03418	0.46114	0.144596	0.00173	0.03956	0.39369	0.169036	0.00024	0.358193
0.079681	0.08543	0.197011	1.80E-05	0.12173	0.00845	0.189195	3.88E-05	0.358372
0.015942	0.73114	0.13032	0.00479	0.038601	0.40527	0.146815	0.00147	0.385471
0.057081	0.21823	0.211547	4.00E-06	0.079885	0.08463	0.256169	1.97E-08	0.448094
0.039081	0.39944	0.258753	1.40E-08	0.088935	0.05479	0.324753	6.24E-13	0.595861
-0.02231	0.63055	0.06836	0.1402	0.025562	0.58162	0.0868	0.06089	0.174923
0.030763	0.50722	0.231829	4.07E-07	0.097198	0.03575	0.260417	1.12E-08	0.445331
0.085148	0.06599	0.197821	1.66E-05	0.145522	0.00162	0.159731	0.00053	0.301243
0.000911	0.98434	-0.06634	0.15235	-0.06715	0.1474	-0.03833	0.40861	-0.16784
-0.04623	0.31886	-0.14851	0.00129	-0.08644	0.06198	-0.17286	0.00017	-0.29127
0.014474	0.75507	0.122376	0.00811	0.050777	0.27349	0.156043	0.00071	0.179482

0.007646	0.8691	0.093495	0.04344	0.040074	0.38757	0.090957	0.04948	0.18143
0.050395	0.27712	0.045685	0.32456	0.059527	0.19912	0.029719	0.52175	-0.02762
0.013186	0.77626	0.162554	0.00042	0.088532	0.0559	0.153008	0.00091	0.372758
0.109436	0.018	0.199556	1.39E-05	0.126854	0.00605	0.180283	8.94E-05	0.469076
0.041987	0.3653	0.114445	0.01334	0.078683	0.08943	0.106632	0.02118	0.34234
0.117293	0.01119	-0.03714	0.42328	0.009103	0.84446	-0.06648	0.15147	-0.1891
-0.05579	0.22883	0.105667	0.02239	0.028304	0.54177	0.11335	0.01425	0.218475
0.041368	0.37241	0.129453	0.00508	0.091212	0.04885	0.101986	0.02754	0.286065
-0.09405	0.0422	-0.24571	7.52E-08	-0.14791	0.00135	-0.24793	5.68E-08	-0.44235
-0.01219	0.7928	0.146476	0.0015	0.050155	0.27941	0.171684	0.00019	0.326941
0.008751	0.8504	0.185502	5.51E-05	0.073226	0.11404	0.20894	5.28E-06	0.406733
0.065306	0.15884	-0.1554	0.00075	-0.05364	0.24736	-0.17682	0.00012	-0.30156
0.075358	0.10385	0.136839	0.00305	0.058311	0.20846	0.154116	0.00083	0.27061
0.088511	0.05596	0.192377	2.85E-05	0.106949	0.0208	0.191719	3.04E-05	0.403083
0.066611	0.15066	-0.14124	0.00222	-0.00335	0.94243	-0.20681	6.60E-06	-0.32083
0.037755	0.41565	0.164739	0.00035	0.065239	0.15926	0.19096	3.27E-05	0.393935
0.03111	0.50244	-0.09148	0.04817	-0.01679	0.71741	-0.12757	0.00577	-0.26867
-0.00945	0.83856	0.144848	0.0017	0.043651	0.34659	0.16522	0.00034	0.271292
0.028554	0.53821	-0.21928	1.72E-06	-0.08193	0.07694	-0.2538	2.68E-08	-0.46958
-0.02608	0.57398	0.120699	0.00903	0.026745	0.56427	0.128323	0.00548	0.362631
0.018254	0.69399	0.203325	9.49E-06	0.083111	0.07276	0.223737	1.04E-06	0.478886
0.061332	0.18581	0.229291	5.48E-07	0.141074	0.00224	0.227379	6.84E-07	0.40664
-0.0073	0.87504	0.176523	0.00013	0.079918	0.0845	0.175121	0.00014	0.491829
0.231445	4.26E-07	0.190527	3.41E-05	0.177028	0.00012	0.127715	0.00571	0.381601
0.032259	0.48678	0.233877	3.19E-07	0.098747	0.03289	0.271725	2.39E-09	0.454409
0.027688	0.55061	0.22137	1.36E-06	0.082529	0.07479	0.261444	9.76E-09	0.536287
-0.01808	0.69682	0.128604	0.00538	0.050039	0.28053	0.146383	0.00151	0.300766
-0.08543	0.06511	0.067754	0.14376	-0.00364	0.93743	0.090236	0.05132	0.234351
0.026888	0.56218	0.224011	1.01E-06	0.087683	0.0583	0.246986	6.41E-08	0.548974
0.048601	0.2946	0.223161	1.11E-06	0.105941	0.02204	0.239447	1.63E-07	0.433684
0.04763	0.30437	-0.08044	0.08249	-0.01124	0.80866	-0.12732	0.00586	-0.21285
0.001585	0.97275	0.089632	0.05291	0.014117	0.76092	0.106757	0.02103	0.088139
-0.04244	0.36011	0.071314	0.12382	0.014069	0.76171	0.079895	0.08459	0.252322
-0.04557	0.32579	0.092656	0.04537	0.016159	0.72762	0.099463	0.03164	0.299008
-0.07468	0.107	0.049986	0.28104	-0.01929	0.6776	0.084223	0.069	0.129475
0.001406	0.97583	0.198423	1.56E-05	0.084612	0.06772	0.207281	6.29E-06	0.462194
0.037832	0.4147	0.143339	0.0019	0.08486	0.06692	0.144512	0.00174	0.323229
0.016877	0.71604	0.18938	3.81E-05	0.093437	0.04357	0.202202	1.07E-05	0.403262
0.055949	0.22752	0.242334	1.14E-07	0.100159	0.03046	0.257092	1.74E-08	0.485196
-0.06476	0.16236	0.014699	0.75138	-0.02077	0.65436	0.030294	0.51372	0.133025
-0.04342	0.34911	0.13919	0.00257	0.026377	0.56964	0.172621	0.00018	0.355852
0.154136	0.00083	0.236718	2.27E-07	0.199408	1.42E-05	0.165301	0.00033	0.390652
0.054516	0.23967	0.228937	5.71E-07	0.091394	0.0484	0.269937	3.06E-09	0.399361
0.008001	0.86309	-0.0953	0.03954	-0.01597	0.73066	-0.12505	0.00681	-0.28436
0.053487	0.24867	0.147903	0.00135	0.106175	0.02174	0.142464	0.00203	0.308653

-0.00037	0.99366	0.200713	1.24E-05	0.093868	0.04261	0.216205	2.41E-06	0.414524
0.070551	0.1279	0.122472	0.00806	0.086992	0.06032	0.113269	0.01432	0.229002
0.028797	0.53476	0.189817	3.65E-05	0.065948	0.15477	0.224719	9.29E-07	0.35086
-0.06576	0.15595	0.101667	0.02803	0.013493	0.77118	0.132736	0.00406	0.294796
-0.06693	0.14874	0.144365	0.00176	0.020894	0.65245	0.182507	7.28E-05	0.334133
-0.0553	0.23296	0.030747	0.50745	-0.03	0.51783	0.054108	0.24321	0.231005
-0.03958	0.39349	0.077285	0.09528	0.009411	0.83927	0.08994	0.0521	0.273534
0.070346	0.12901	0.257859	1.57E-08	0.128193	0.00553	0.273313	1.91E-09	0.456196
0.114968	0.01292	-0.0655	0.1576	0.056742	0.22099	-0.13908	0.0026	-0.17709
0.075117	0.10497	-0.03344	0.47103	0.016189	0.72713	-0.07308	0.11477	-0.07956
-0.04375	0.34548	0.143659	0.00186	0.069468	0.13387	0.134247	0.00366	0.378841
-0.03633	0.4335	0.144937	0.00169	0.060797	0.18968	0.151007	0.00106	0.345866
0.0941	0.04209	0.246405	6.89E-08	0.146052	0.00155	0.260116	1.17E-08	0.355314
0.005667	0.90279	0.171352	0.0002	0.054695	0.23813	0.202365	1.05E-05	0.435992
0.007578	0.87026	0.172846	0.00017	0.073472	0.11282	0.189046	3.93E-05	0.464789
-0.01744	0.70695	0.15243	0.00095	0.04834	0.29721	0.173937	0.00016	0.362448
0.08744	0.05901	0.126703	0.00611	0.089079	0.05439	0.133077	0.00396	0.332021
0.018298	0.69328	0.067445	0.1456	0.053351	0.24987	0.072045	0.12	0.112693
0.087489	0.05886	0.256994	1.76E-08	0.15362	0.00087	0.249996	4.37E-08	0.522892
0.028956	0.5325	0.159058	0.00056	0.113385	0.01422	0.125996	0.0064	0.338465
-0.00149	0.97431	0.113487	0.01413	0.055104	0.23462	0.116624	0.01166	0.276359
0.016102	0.72854	0.193734	2.49E-05	0.073767	0.11138	0.219381	1.70E-06	0.454384
0.015173	0.74365	0.131786	0.00433	0.051563	0.26613	0.149039	0.00124	0.335382
-0.02753	0.55281	-0.19826	1.59E-05	-0.06622	0.15305	-0.23299	3.55E-07	-0.41612
-0.0043	0.92617	0.191864	2.99E-05	0.078186	0.09147	0.213557	3.22E-06	0.300146
0.02625	0.5715	-0.08505	0.06632	0.02786	0.54813	-0.14053	0.00234	-0.23312
-0.07037	0.12887	0.065255	0.15916	-0.01547	0.73882	0.090889	0.04965	0.173304
0.059377	0.20025	0.147661	0.00137	0.05287	0.25417	0.182077	7.58E-05	0.308126
-0.0745	0.10786	-0.12879	0.00531	-0.10448	0.02395	-0.11048	0.01692	-0.28521
0.016319	0.72504	0.043416	0.34919	-0.0074	0.8733	0.07087	0.12618	0.103047
-0.04093	0.37754	0.100464	0.02995	0.013901	0.76448	0.130712	0.00467	0.267501
0.105146	0.02306	-0.09645	0.03719	0.011778	0.7996	-0.1491	0.00123	-0.26252
-0.05168	0.265	0.080113	0.08374	0.013973	0.76329	0.095117	0.03991	0.194171
0.012468	0.78815	0.130023	0.00489	0.03947	0.39477	0.147467	0.00139	0.350054
-0.05581	0.22866	0.041044	0.37617	0.020823	0.65356	0.021455	0.64376	0.046213
0.058633	0.20595	0.271059	2.62E-09	0.136685	0.00308	0.285025	3.53E-10	0.587345
-0.01682	0.71688	0.126289	0.00628	0.049596	0.28481	0.139493	0.00252	0.359116
0.012816	0.78238	0.130126	0.00485	0.037311	0.42116	0.156608	0.00068	0.326723
-0.00131	0.97748	0.046249	0.31862	-0.00718	0.87698	0.079599	0.08575	0.130105
0.12099	0.00886	0.258304	1.48E-08	0.178603	0.0001	0.243734	9.62E-08	0.42344
0.117001	0.0114	0.264573	6.40E-09	0.137004	0.00301	0.287727	2.36E-10	0.516044
0.080893	0.08076	-0.11413	0.01359	-0.01435	0.75711	-0.15912	0.00056	-0.12683
0.033518	0.46993	0.178704	0.0001	0.074273	0.10894	0.214337	2.96E-06	0.271325
0.065871	0.15526	0.26039	1.12E-08	0.147196	0.00142	0.264643	6.34E-09	0.551564
-0.00172	0.97044	0.129642	0.00502	0.024145	0.60275	0.177166	0.00012	0.332502



-0.05775	0.21286	0.145499	0.00162	0.016012	0.73	0.195329	2.13E-05	0.365606
0.005629	0.90344	0.117255	0.01122	0.036357	0.43314	0.133896	0.00375	0.334195
0.041872	0.36662	0.077121	0.09599	0.028987	0.53206	0.094258	0.04175	0.143752
0.066951	0.14858	0.260767	1.07E-08	0.135347	0.00338	0.281588	5.84E-10	0.41688
0.039237	0.39756	0.178604	0.0001	0.061341	0.18574	0.22059	1.48E-06	0.274253
0.071238	0.12422	0.248903	5.02E-08	0.101447	0.02837	0.285117	3.48E-10	0.534863
0.05359	0.24776	0.253608	2.75E-08	0.153277	0.00089	0.24253	1.12E-07	0.501766
0.052139	0.26081	0.190961	3.27E-05	0.087601	0.05854	0.203078	9.74E-06	0.448535
0.085137	0.06603	0.236269	2.40E-07	0.125205	0.00675	0.229576	5.30E-07	0.493057
0.04467	0.33543	0.166148	0.00031	0.103382	0.02548	0.145014	0.00168	0.352017
0.076887	0.09701	0.194197	2.38E-05	0.111016	0.01639	0.21734	2.13E-06	0.369721
0.035972	0.43803	-0.13124	0.0045	-0.03154	0.49659	-0.17974	9.39E-05	-0.32118
0.013166	0.77659	0.196367	1.92E-05	0.082468	0.07501	0.216981	2.21E-06	0.464265
0.101735	0.02793	0.270865	2.69E-09	0.168492	0.00025	0.259524	1.26E-08	0.600531
0.065587	0.15704	0.216933	2.22E-06	0.124766	0.00694	0.221535	1.33E-06	0.473884
0.012625	0.78554	0.124269	0.00717	0.057051	0.21848	0.135101	0.00344	0.263259
0.006862	0.88242	0.160686	0.00049	0.068582	0.13892	0.179455	9.64E-05	0.334722
-0.01029	0.82441	0.151026	0.00106	0.040248	0.38551	0.176578	0.00013	0.3837
-0.07025	0.12955	0.065901	0.15507	0.015259	0.74223	0.084966	0.06658	0.149518
-0.09618	0.03774	-0.24375	9.61E-08	-0.14601	0.00156	-0.24259	1.11E-07	-0.51228
0.028856	0.53391	0.211529	4.00E-06	0.101192	0.02878	0.222642	1.18E-06	0.529624
0.057794	0.21254	0.114721	0.01311	0.064748	0.16244	0.110727	0.01668	0.245659
0.041065	0.37593	0.189097	3.91E-05	0.102902	0.02617	0.195773	2.04E-05	0.323943
0.050199	0.27899	0.15049	0.00111	0.098358	0.03359	0.138743	0.00266	0.31001
0.011804	0.79917	0.111485	0.01594	0.085861	0.06375	0.104062	0.02452	0.249273
-0.102	0.02752	0.073591	0.11224	-0.01597	0.73069	0.109142	0.01831	0.256561
-0.10217	0.02727	-0.15858	0.00058	-0.11657	0.0117	-0.12604	0.00639	-0.35637
-0.00041	0.993	0.095162	0.03982	0.048301	0.29759	0.089517	0.05321	0.24705
-0.02464	0.5953	0.149816	0.00117	0.042339	0.36129	0.181871	7.73E-05	0.379254
-0.00257	0.95581	0.141028	0.00225	0.072022	0.12013	0.139781	0.00247	0.345649
-0.03897	0.40079	-0.05408	0.24342	0.002356	0.95951	-0.06525	0.15918	-0.19934
0.072493	0.11771	0.274051	1.72E-09	0.126358	0.00625	0.293711	9.58E-11	0.535609
-0.12424	0.00719	-0.14289	0.00196	-0.13114	0.00453	-0.11607	0.01207	-0.29886
0.046202	0.31911	0.257703	1.61E-08	0.103128	0.02584	0.295753	7.00E-11	0.529792
0.071791	0.12132	0.189999	3.59E-05	0.114771	0.01307	0.184168	6.24E-05	0.472391
0.055223	0.23362	0.16253	0.00042	0.083982	0.0698	0.159999	0.00052	0.328737
0.082125	0.07623	0.183405	6.70E-05	0.101872	0.02771	0.188551	4.12E-05	0.417757
0.044367	0.33873	0.121689	0.00848	0.059523	0.19914	0.127967	0.00562	0.229308
-0.01383	0.76559	-0.03493	0.45137	-0.02034	0.6611	-0.04112	0.37529	-0.01277
-0.029	0.53182	-0.19386	2.46E-05	-0.10327	0.02564	-0.19467	2.27E-05	-0.34949
0.028674	0.53649	0.153891	0.00085	0.050693	0.27429	0.17835	0.00011	0.381668
-0.02891	0.53311	0.102885	0.02619	0.05267	0.25598	0.102829	0.02628	0.237214
-0.07817	0.09154	-0.21677	2.27E-06	-0.07818	0.09148	-0.26487	6.15E-09	-0.44218
-0.02223	0.6318	0.073872	0.11087	0.021579	0.64184	0.078033	0.09211	0.217153
0.024576	0.59628	0.165178	0.00034	0.084876	0.06687	0.17271	0.00018	0.309503

0.06627	0.15277	0.142707	0.00199	0.110432	0.01697	0.118085	0.01065	0.16175
-0.06202	0.18093	-0.00012	0.99797	-0.03249	0.48362	0.016727	0.71844	0.184888
0.045573	0.32575	0.090312	0.05113	0.050368	0.27737	0.0828	0.07384	0.296836
0.130504	0.00473	0.226953	7.19E-07	0.109595	0.01783	0.245662	7.57E-08	0.427935
0.126436	0.00622	0.187889	4.39E-05	0.153296	0.00089	0.148899	0.00125	0.409009
-0.02435	0.59962	0.13828	0.00275	0.031121	0.50229	0.168163	0.00026	0.345775
0.04	0.38845	0.133495	0.00385	0.120483	0.00916	0.078442	0.09042	0.226254
-0.03356	0.46936	0.112428	0.01507	0.035362	0.44585	0.121466	0.0086	0.1714
0.071852	0.121	0.230842	4.57E-07	0.135485	0.00335	0.233767	3.24E-07	0.413724
0.092138	0.04659	-0.04965	0.28427	0.043665	0.34643	-0.11613	0.01202	-0.25259
-0.05265	0.25614	0.099239	0.03202	0.018705	0.68682	0.130736	0.00466	0.269933
-0.00554	0.90489	-0.16041	0.0005	-0.03247	0.48394	-0.20525	7.77E-06	-0.39593
-0.03872	0.40385	0.136416	0.00314	0.023946	0.60575	0.175903	0.00013	0.314202
0.002462	0.95768	0.171428	0.0002	0.082942	0.07335	0.177712	0.00011	0.33301
0.057387	0.21577	0.132069	0.00425	0.077114	0.09602	0.13321	0.00393	0.257308
0.086616	0.06144	0.201073	1.20E-05	0.109376	0.01806	0.19639	1.92E-05	0.379872
0.022522	0.62736	-0.10428	0.02421	-0.0367	0.42882	-0.11297	0.01458	-0.2494
0.080081	0.08386	0.190597	3.39E-05	0.107161	0.02055	0.191125	3.22E-05	0.435249
0.061631	0.18366	-0.14937	0.00121	-0.05805	0.2105	-0.16754	0.00028	-0.33954
-0.12104	0.00884	-0.01677	0.71779	-0.04217	0.36318	0.004955	0.91495	0.031463
-0.05719	0.21735	0.077678	0.09361	0.016651	0.71968	0.10909	0.01836	0.20935
-0.00546	0.90633	0.053491	0.24863	0.019018	0.68187	0.04803	0.30032	0.134848
-0.02468	0.59466	0.030034	0.51734	0.023774	0.60834	0.015854	0.73257	0.104379
-0.00763	0.86945	0.19102	3.25E-05	0.056713	0.22123	0.224803	9.20E-07	0.418576
0.009654	0.83517	-0.24691	6.46E-08	-0.0818	0.07741	-0.294	9.16E-11	-0.49008
0.064258	0.16565	0.257505	1.65E-08	0.119702	0.00962	0.286583	2.80E-10	0.486789
-0.02589	0.57685	0.087378	0.05919	0.038974	0.40074	0.080055	0.08396	0.279707
0.07341	0.11313	0.238335	1.87E-07	0.124939	0.00687	0.245654	7.57E-08	0.499942
0.062117	0.18023	0.187823	4.42E-05	0.118471	0.0104	0.171421	0.0002	0.38323
-0.0514	0.26763	0.047806	0.30258	-0.00476	0.91821	0.056939	0.21939	0.189157
0.061526	0.18442	0.246538	6.78E-08	0.144372	0.00176	0.235364	2.67E-07	0.467947
-0.03317	0.47453	-0.26356	7.34E-09	-0.1027	0.02647	-0.30479	1.70E-11	-0.51332
-0.05233	0.25907	0.132721	0.00406	0.033337	0.47233	0.142563	0.00201	0.3679
0.091255	0.04874	0.325213	5.77E-13	0.151222	0.00105	0.362547	5.94E-16	0.47795
0.109473	0.01796	0.222587	1.18E-06	0.152613	0.00094	0.195501	2.09E-05	0.442134
-0.01527	0.74212	0.167706	0.00027	0.060287	0.19343	0.192369	2.85E-05	0.419393
0.014345	0.75718	0.134967	0.00348	0.076095	0.10051	0.131742	0.00435	0.297963
-0.04808	0.29979	0.014708	0.75124	-0.00932	0.84088	0.020563	0.65761	0.161634
-0.04774	0.30322	0.076	0.10093	0.012929	0.7805	0.086032	0.06322	0.192218
0.02247	0.62814	0.170488	0.00021	0.09185	0.04728	0.166214	0.00031	0.396318
-0.03276	0.47999	-0.13269	0.00407	-0.0219	0.63685	-0.17813	0.00011	-0.30443
0.025798	0.57815	0.224692	9.32E-07	0.107921	0.01966	0.244252	9.02E-08	0.380415
9.78E-05	0.99832	0.152434	0.00095	0.066394	0.152	0.161976	0.00044	0.325678
0.015068	0.74535	-0.0545	0.2398	-0.00558	0.90423	-0.07109	0.125	-0.22072
0.018546	0.68934	0.174169	0.00016	0.077854	0.09287	0.192133	2.92E-05	0.32391

0.011293	0.8077	0.184913	5.82E-05	0.067314	0.14639	0.215332	2.65E-06	0.425744
0.035924	0.43864	0.135157	0.00343	0.072062	0.11992	0.116254	0.01193	0.362254
-0.00457	0.92155	0.118261	0.01053	0.061561	0.18417	0.115625	0.01241	0.281241
0.003372	0.94207	0.078292	0.09103	0.045143	0.33034	0.059178	0.20176	0.151494
-0.08007	0.08392	-0.23041	4.81E-07	-0.13611	0.00321	-0.24532	7.90E-08	-0.44009
0.034484	0.45722	0.118794	0.01019	0.070617	0.12755	0.094029	0.04225	0.282676
0.018867	0.68425	0.163761	0.00038	0.070238	0.1296	0.175486	0.00014	0.327324
0.071793	0.12131	0.215867	2.50E-06	0.112959	0.01459	0.232526	3.75E-07	0.43662
0.006681	0.8855	0.060727	0.19019	0.036648	0.42946	0.052806	0.25476	0.142212
0.021533	0.64255	0.169429	0.00023	0.088224	0.05676	0.170374	0.00022	0.421037
0.022271	0.6312	0.184891	5.83E-05	0.084052	0.06957	0.201923	1.10E-05	0.348642
0.006198	0.89373	-0.16939	0.00024	-0.0413	0.37318	-0.2159	2.49E-06	-0.39363
0.04919	0.28879	0.116406	0.01182	0.044075	0.34192	0.140112	0.00241	0.309739
0.020869	0.65284	-0.19263	2.78E-05	-0.05553	0.23103	-0.22613	7.90E-07	-0.42323
0.051129	0.27017	0.19377	2.48E-05	0.103323	0.02556	0.199317	1.43E-05	0.446765
-0.06223	0.1794	0.094	0.04232	0.039013	0.40027	0.090272	0.05123	0.273222
0.102152	0.02729	0.284694	3.71E-10	0.163014	0.0004	0.280973	6.39E-10	0.509681
0.071333	0.12372	0.233348	3.40E-07	0.150396	0.00111	0.215486	2.61E-06	0.490635
0.050835	0.27294	0.184545	6.02E-05	0.124036	0.00728	0.179147	9.92E-05	0.327055
0.037552	0.41816	0.234976	2.80E-07	0.109317	0.01812	0.248334	5.40E-08	0.511546
0.040372	0.38405	0.28217	5.37E-10	0.12229	0.00816	0.322063	9.89E-13	0.565118
0.132456	0.00414	0.199351	1.42E-05	0.139307	0.00255	0.209341	5.06E-06	0.314432
-0.01739	0.70786	0.068695	0.13826	0.003612	0.93795	0.08282	0.07377	0.235117
0.061951	0.1814	0.252467	3.18E-08	0.128985	0.00525	0.259356	1.29E-08	0.480399
0.105337	0.02281	0.227109	7.06E-07	0.135455	0.00336	0.215573	2.58E-06	0.456832
-0.0255	0.58256	0.206859	6.57E-06	0.053737	0.24646	0.248728	5.14E-08	0.45301
-0.03218	0.48785	0.123754	0.00742	0.032454	0.48415	0.150424	0.00111	0.284049
0.095116	0.03992	0.22548	8.52E-07	0.127521	0.00579	0.226202	7.84E-07	0.4556
-0.01529	0.74178	0.141916	0.00211	0.049756	0.28326	0.159714	0.00053	0.302869
0.027078	0.55943	0.186353	5.08E-05	0.124479	0.00707	0.173323	0.00017	0.437199
0.077767	0.09323	0.167391	0.00028	0.093343	0.04378	0.161206	0.00047	0.461507
0.066741	0.14986	0.139309	0.00255	0.081588	0.07818	0.137889	0.00283	0.381134
0.036231	0.43474	0.24255	1.11E-07	0.132709	0.00407	0.248268	5.45E-08	0.510748
0.067898	0.14291	0.246488	6.82E-08	0.108062	0.0195	0.277857	1.00E-09	0.488585
-0.08857	0.0558	-0.22729	6.92E-07	-0.13632	0.00316	-0.24692	6.46E-08	-0.42007
-0.01096	0.81326	0.172246	0.00018	0.05765	0.21368	0.201267	1.17E-05	0.412334
-0.16369	0.00038	-0.26178	9.33E-09	-0.19705	1.80E-05	-0.23305	3.52E-07	-0.41002
0.041031	0.37633	0.224558	9.46E-07	0.11267	0.01485	0.240552	1.43E-07	0.454462
-0.02089	0.65246	-0.19727	1.76E-05	-0.0752	0.10456	-0.23674	2.27E-07	-0.36041
-0.00197	0.96608	0.08703	0.06021	0.036252	0.43447	0.086833	0.06079	0.237137
-0.11051	0.01689	0.069283	0.13492	-0.03541	0.44527	0.122096	0.00826	0.209703
-0.05436	0.24099	-0.14799	0.00134	-0.07983	0.08485	-0.16765	0.00027	-0.35867
0.073913	0.11067	0.261942	9.13E-09	0.145508	0.00162	0.262602	8.36E-09	0.51222
0.044632	0.33585	0.231746	4.11E-07	0.112631	0.01488	0.273897	1.76E-09	0.46548
0.073454	0.11291	0.072851	0.11591	0.062439	0.17797	0.045137	0.33041	0.21811

-0.07152	0.12272	0.0558	0.22876	-0.01301	0.7792	0.072068	0.11988	0.209595
-0.00734	0.87427	0.090443	0.05079	0.035382	0.44558	0.1022	0.02721	0.248462
-0.05385	0.24544	0.101274	0.02865	0.02337	0.61443	0.120712	0.00902	0.247279
0.026962	0.56111	0.151534	0.00102	0.085086	0.06619	0.139431	0.00253	0.323199
0.040706	0.38013	0.168926	0.00025	0.077352	0.095	0.184746	5.91E-05	0.301211
0.021786	0.63864	0.258164	1.51E-08	0.080034	0.08405	0.311492	5.76E-12	0.533701
-0.03507	0.44958	-0.22084	1.44E-06	-0.06738	0.14596	-0.26893	3.52E-09	-0.50652
-0.03002	0.51761	0.149055	0.00124	0.081432	0.07875	0.137614	0.00288	0.329056
0.019042	0.68148	-0.04615	0.31962	0.000386	0.99337	-0.04408	0.34186	-0.17091
0.029739	0.52146	0.126768	0.00608	0.080545	0.08208	0.105235	0.02294	0.329635
0.037288	0.42144	0.245844	7.39E-08	0.14194	0.00211	0.225763	8.24E-07	0.48816
0.043609	0.34705	0.200061	1.33E-05	0.10997	0.01744	0.195586	2.08E-05	0.404539
-0.01451	0.75446	0.180395	8.85E-05	0.056342	0.22426	0.211265	4.12E-06	0.373852
0.010798	0.81598	0.115665	0.01238	0.053591	0.24775	0.115923	0.01218	0.274338
-0.06816	0.14137	0.037989	0.41276	-0.02216	0.63295	0.051079	0.27064	0.226657
-0.06888	0.13718	0.134919	0.00349	0.005552	0.90475	0.183848	6.43E-05	0.349894
-0.06465	0.16309	0.051938	0.26265	-0.01804	0.69735	0.07387	0.11088	0.177408
0.020299	0.66173	0.076825	0.09727	0.069814	0.13194	0.064867	0.16166	0.149463
-0.09106	0.04923	-0.22829	6.16E-07	-0.13647	0.00313	-0.24388	9.45E-08	-0.37963
0.003953	0.93211	-0.21768	2.05E-06	-0.07325	0.11394	-0.25839	1.47E-08	-0.47727
-0.01994	0.66728	-0.21492	2.77E-06	-0.11529	0.01266	-0.22386	1.02E-06	-0.41464
0.092545	0.04563	0.238476	1.84E-07	0.142832	0.00197	0.241029	1.34E-07	0.431259
0.148889	0.00125	0.24736	6.11E-08	0.133191	0.00393	0.265459	5.67E-09	0.340104
0.067673	0.14424	0.205995	7.19E-06	0.108376	0.01915	0.230778	4.61E-07	0.404982
0.026078	0.57402	0.152479	0.00095	0.084909	0.06676	0.157645	0.00063	0.272898
0.021868	0.63738	-0.14756	0.00139	-0.02759	0.55205	-0.19018	3.52E-05	-0.32378
-0.0022	0.9622	-0.13726	0.00296	-0.02989	0.51932	-0.166	0.00031	-0.37925
0.052433	0.25813	0.058217	0.2092	0.059898	0.19632	0.025742	0.57897	0.209119
0.037241	0.42203	0.206059	7.15E-06	0.107474	0.02018	0.218837	1.80E-06	0.410617
-0.0198	0.66949	0.204634	8.29E-06	0.068383	0.14007	0.231937	4.02E-07	0.475604
0.07776	0.09326	0.191994	2.96E-05	0.112424	0.01507	0.18908	3.92E-05	0.332561
-0.06507	0.16038	0.070315	0.12919	-0.01728	0.70959	0.104131	0.02442	0.162721
-0.00258	0.95565	0.149087	0.00123	0.04054	0.38207	0.181278	8.16E-05	0.389228
0.063281	0.17218	-0.14926	0.00122	-0.06232	0.17878	-0.1714	0.0002	-0.32811
0.101242	0.0287	0.126588	0.00616	0.145596	0.00161	0.041694	0.36866	0.180349
0.028059	0.54528	0.180282	8.94E-05	0.080673	0.08159	0.205055	7.93E-06	0.431766
-0.07522	0.10448	0.008527	0.85418	-0.02917	0.52941	0.026127	0.57331	0.112857
-0.0628	0.17545	0.094233	0.0418	0.021881	0.63718	0.107859	0.01973	0.269106
-0.04492	0.33274	0.114707	0.01312	0.045827	0.32305	0.122357	0.00812	0.312833
0.071953	0.12048	0.127156	0.00593	0.090714	0.0501	0.110802	0.0166	0.249269
0.067599	0.14468	0.19177	3.02E-05	0.118013	0.0107	0.19464	2.28E-05	0.430915
-0.03582	0.44	0.107701	0.01991	0.026478	0.56816	0.115449	0.01254	0.248125
0.129731	0.00499	0.264625	6.36E-09	0.114047	0.01366	0.325572	5.42E-13	0.344553
-0.00405	0.93044	0.166155	0.00031	0.067044	0.14802	0.184798	5.88E-05	0.39323
0.006787	0.88371	0.137073	0.003	0.051373	0.26789	0.156033	0.00072	0.34894

-0.03568	0.44177	0.153164	0.0009	0.058508	0.20693	0.179685	9.44E-05	0.292439
-0.10725	0.02045	-0.23129	4.34E-07	-0.14904	0.00124	-0.22244	1.20E-06	-0.45145
-0.10381	0.02487	0.084745	0.06729	0.009052	0.84532	0.098721	0.03293	0.275955
0.0353	0.44664	-0.2205	1.50E-06	-0.07116	0.12464	-0.27193	2.32E-09	-0.4166
-0.06081	0.1896	-0.14437	0.00176	-0.10871	0.01878	-0.14189	0.00212	-0.29763
-0.01836	0.69234	-0.14055	0.00233	-0.05252	0.2573	-0.17465	0.00015	-0.3311
0.126089	0.00636	0.191573	3.08E-05	0.164686	0.00035	0.148275	0.00131	0.289012
-0.02175	0.63913	0.045312	0.32853	0.031655	0.49499	0.033051	0.47614	0.083894
0.044883	0.33314	0.158357	0.00059	0.117774	0.01086	0.123136	0.00772	0.289565
0.080595	0.08189	0.113232	0.01435	0.076964	0.09667	0.09619	0.03771	0.21846
0.006467	0.88915	0.149862	0.00116	0.03446	0.45754	0.192348	2.86E-05	0.353606
0.061226	0.18657	0.131246	0.0045	0.067423	0.14573	0.130763	0.00465	0.262836
0.028252	0.54251	0.21012	4.65E-06	0.074409	0.10829	0.252521	3.16E-08	0.448008
-0.04506	0.33122	0.047119	0.30959	0.018951	0.68292	0.031845	0.4924	0.183756
-0.00776	0.86719	0.113107	0.01446	0.04883	0.29233	0.105285	0.02288	0.215894
0.031141	0.50202	0.241512	1.27E-07	0.121879	0.00837	0.252518	3.16E-08	0.462276
-0.00691	0.88156	0.132108	0.00424	0.051614	0.26565	0.147291	0.00141	0.245025
0.166316	0.00031	0.178142	0.00011	0.169556	0.00023	0.135474	0.00335	0.361762
0.069998	0.13092	0.238471	1.84E-07	0.125442	0.00664	0.249556	4.62E-08	0.418496
-0.01303	0.77883	-0.19267	2.77E-05	-0.04947	0.28599	-0.2587	1.41E-08	-0.33708
0.056413	0.22368	0.263688	7.22E-09	0.132809	0.00404	0.281488	5.93E-10	0.513563
-0.02295	0.62075	0.175348	0.00014	0.049061	0.29005	0.214026	3.06E-06	0.381375
-0.15419	0.00083	-0.24267	1.10E-07	-0.19846	1.56E-05	-0.21876	1.82E-06	-0.39173
-0.02399	0.605	-0.24902	4.95E-08	-0.11255	0.01496	-0.27938	8.05E-10	-0.44856
-0.00701	0.87993	-0.16574	0.00032	-0.05523	0.23352	-0.19468	2.27E-05	-0.36764
-0.07557	0.1029	0.008409	0.85619	-0.00707	0.87882	-0.01053	0.8204	0.130052
-0.03958	0.39349	0.131384	0.00446	0.041491	0.37099	0.150468	0.00111	0.348264
0.029293	0.52773	-0.13716	0.00298	-0.05812	0.20995	-0.16045	0.0005	-0.27788
0.044496	0.33732	-0.08705	0.06014	0.03225	0.48691	-0.15413	0.00083	-0.26219
0.109171	0.01828	0.246749	6.60E-08	0.155415	0.00075	0.245281	7.94E-08	0.383904
0.048438	0.29622	0.211067	4.21E-06	0.128272	0.0055	0.190078	3.56E-05	0.452887
-0.0142	0.75955	0.174685	0.00015	0.07562	0.10266	0.169428	0.00023	0.385982
0.063622	0.16988	0.209723	4.86E-06	0.12326	0.00766	0.201308	1.17E-05	0.332754
0.015104	0.74476	0.158037	0.00061	0.068243	0.14088	0.170614	0.00021	0.341624
0.080378	0.08272	0.203805	9.03E-06	0.130001	0.0049	0.193228	2.62E-05	0.304155
0.028942	0.5327	-0.12991	0.00493	-0.05268	0.25589	-0.1453	0.00164	-0.24877
-0.07791	0.09264	-0.01787	0.70015	-0.03756	0.41812	-0.00705	0.87926	0.072213
0.00062	0.98934	-0.19976	1.37E-05	-0.09956	0.03146	-0.20676	6.64E-06	-0.3461
0.046761	0.31328	-0.10413	0.02442	-0.04411	0.34152	-0.12452	0.00706	-0.22239
-0.13048	0.00474	-0.21447	2.91E-06	-0.14596	0.00156	-0.22225	1.23E-06	-0.34488
-0.00678	0.88389	0.073296	0.11369	0.064788	0.16217	0.047909	0.30153	0.128456
0.00938	0.83978	0.131734	0.00435	0.054261	0.24187	0.15331	0.00089	0.313478
0.062215	0.17954	0.256633	1.85E-08	0.132466	0.00414	0.267066	4.55E-09	0.510659
-0.04316	0.35201	-0.01764	0.70377	-0.0401	0.3873	-0.0026	0.95539	0.038975
0.068883	0.13719	0.281769	5.69E-10	0.156384	0.0007	0.283609	4.35E-10	0.534521

0.004106	0.92948	0.249404	4.71E-08	0.081226	0.07951	0.311953	5.34E-12	0.536472
-0.03707	0.42415	-0.20003	1.33E-05	-0.0699	0.13149	-0.25201	3.37E-08	-0.34723
-0.00151	0.97411	0.096121	0.03785	0.058836	0.20438	0.097595	0.03499	0.235515
-0.00714	0.87766	0.082999	0.07315	0.008994	0.8463	0.109664	0.01776	0.24702
0.016552	0.72128	0.214814	2.81E-06	0.087968	0.05749	0.234708	2.89E-07	0.450862
-0.02281	0.62296	0.137242	0.00296	0.049286	0.28784	0.138494	0.00271	0.315015
0.074962	0.10569	0.240512	1.43E-07	0.137095	0.00299	0.22763	6.65E-07	0.515729
-0.00572	0.90187	0.151436	0.00103	0.050402	0.27705	0.179695	9.44E-05	0.432673
0.023501	0.61245	-0.14574	0.00159	-0.00274	0.95296	-0.20649	6.83E-06	-0.36292
0.048309	0.29752	-0.03303	0.47636	0.022025	0.63497	-0.06025	0.19374	-0.07432
-0.01621	0.72683	0.11865	0.01028	0.035798	0.44025	0.140972	0.00226	0.253048
0.011146	0.81015	0.176313	0.00013	0.063044	0.1738	0.206424	6.88E-06	0.502544
0.070796	0.12658	0.238253	1.89E-07	0.123241	0.00767	0.253782	2.68E-08	0.410925
0.074684	0.10699	-0.15689	0.00067	-0.01331	0.77416	-0.20431	8.58E-06	-0.42827
0.018594	0.68858	-0.14228	0.00206	-0.04169	0.36868	-0.16691	0.00029	-0.32129
0.031116	0.50237	0.200627	1.25E-05	0.089968	0.05202	0.2231	1.12E-06	0.417036
-0.00901	0.84599	0.122255	0.00817	0.043395	0.34942	0.128367	0.00547	0.305051
0.086157	0.06284	0.152534	0.00094	0.097073	0.03599	0.150938	0.00107	0.301134
-0.04751	0.30554	0.088998	0.05461	0.03219	0.48772	0.104549	0.02385	0.257008
-0.00637	0.89088	0.157664	0.00063	0.03639	0.43272	0.20307	9.74E-06	0.314007
-0.00912	0.84416	-0.11701	0.01139	-0.06169	0.18327	-0.12848	0.00543	-0.22477
-0.01836	0.69231	-0.1788	0.0001	-0.08527	0.06559	-0.19015	3.53E-05	-0.29807
0.04276	0.35653	0.135171	0.00343	0.046261	0.3185	0.143435	0.00189	0.357783
-0.03607	0.43682	-0.20995	4.74E-06	-0.09722	0.0357	-0.22986	5.13E-07	-0.37557
0.053765	0.24621	0.154262	0.00082	0.100714	0.02954	0.143475	0.00188	0.339057
0.011984	0.79618	0.209879	4.78E-06	0.082461	0.07503	0.246978	6.41E-08	0.44681
0.000241	0.99585	-0.18665	4.94E-05	-0.10583	0.02218	-0.18327	6.79E-05	-0.38462
-0.05486	0.23675	0.089301	0.05379	-0.01704	0.71344	0.137757	0.00285	0.239328
0.016301	0.72533	0.20013	1.32E-05	0.087153	0.05985	0.213199	3.34E-06	0.392386
-0.03912	0.39893	0.119075	0.01001	0.017926	0.69922	0.156139	0.00071	0.296938
-0.09722	0.0357	0.047206	0.30869	-0.02225	0.63153	0.073628	0.11206	0.226887
-0.1334	0.00388	-0.02184	0.63785	-0.04813	0.29928	-0.00196	0.96627	0.037011
-0.02386	0.60696	0.077214	0.09559	0.015361	0.74057	0.082771	0.07394	0.210632
-0.04532	0.32842	-0.21325	3.33E-06	-0.09184	0.0473	-0.24672	6.63E-08	-0.35642
-0.01453	0.75415	-0.20036	1.29E-05	-0.09844	0.03344	-0.20095	1.21E-05	-0.41079
-0.09235	0.04607	-0.18585	5.33E-05	-0.09472	0.04075	-0.19589	2.01E-05	-0.37399
0.023035	0.61953	0.128549	0.0054	0.030261	0.51418	0.156795	0.00067	0.443589
-0.03618	0.43542	0.008169	0.86024	-0.0097	0.83443	0.007067	0.87894	0.134163
0.029053	0.53112	0.155146	0.00077	0.091072	0.0492	0.137186	0.00297	0.25347
0.011317	0.80729	0.176454	0.00013	0.107259	0.02043	0.152054	0.00098	0.376676
-0.1123	0.01518	-0.24293	1.06E-07	-0.15315	0.0009	-0.24086	1.37E-07	-0.4324
0.003824	0.93432	0.163814	0.00038	0.067187	0.14715	0.174144	0.00016	0.442905
0.096767	0.03658	0.263473	7.43E-09	0.152244	0.00097	0.271845	2.35E-09	0.508668
0.13639	0.00314	-0.11647	0.01178	0.033994	0.46364	-0.18075	8.57E-05	-0.35385
0.01998	0.66672	0.062681	0.17629	0.05294	0.25355	0.03344	0.47097	0.193341

-0.07447	0.10798	-0.22434	9.70E-07	-0.11678	0.01155	-0.25153	3.59E-08	-0.37645
0.001601	0.97248	0.165014	0.00034	0.070541	0.12795	0.180026	9.15E-05	0.363227
0.018793	0.68543	0.09959	0.03142	0.042678	0.35745	0.107413	0.02025	0.20543
-0.02941	0.52614	0.09422	0.04183	0.040844	0.37851	0.090927	0.04956	0.195979
-0.02364	0.61038	0.103059	0.02594	0.035826	0.43989	0.093109	0.04432	0.15415
0.051359	0.26802	0.18768	4.48E-05	0.083715	0.0707	0.205909	7.26E-06	0.457038
-0.01619	0.72713	0.160898	0.00048	0.083859	0.07021	0.158273	0.0006	0.398782
0.073942	0.11053	0.152546	0.00094	0.103511	0.02529	0.137871	0.00283	0.243515
0.047532	0.30536	-0.14738	0.0014	-0.03133	0.49939	-0.19985	1.35E-05	-0.34466
0.014079	0.76155	0.193559	2.54E-05	0.086077	0.06308	0.2104	4.52E-06	0.397355
-0.04726	0.30813	0.042434	0.36021	-0.00306	0.94748	0.047939	0.30124	0.196315
-0.04544	0.32719	-0.14496	0.00168	-0.06127	0.18625	-0.16857	0.00025	-0.25149
-0.01469	0.7515	0.133029	0.00398	0.044701	0.3351	0.151506	0.00102	0.307654
0.062874	0.17496	0.349051	7.94E-15	0.157836	0.00062	0.394063	8.46E-19	0.524605
0.017112	0.71226	0.201414	1.15E-05	0.080298	0.08302	0.226789	7.33E-07	0.51794
-0.01237	0.78976	-0.20572	7.40E-06	-0.13074	0.00466	-0.20244	1.04E-05	-0.36334
-0.02857	0.53804	0.027951	0.54682	-0.01297	0.77976	0.040708	0.3801	0.136948
0.008063	0.86204	0.077811	0.09304	0.04998	0.2811	0.059151	0.20197	0.217737
-0.02547	0.58305	0.062523	0.17739	0.020442	0.65949	0.064888	0.16153	0.172301
0.030997	0.504	0.121349	0.00866	0.046072	0.32047	0.150799	0.00108	0.280386
-0.02167	0.64047	0.160177	0.00051	0.065674	0.1565	0.18766	4.49E-05	0.299753
-0.10906	0.0184	-0.16785	0.00027	-0.08738	0.05919	-0.17983	9.32E-05	-0.35464
0.057917	0.21156	0.24842	5.34E-08	0.1283	0.00549	0.249843	4.46E-08	0.523327
-0.03337	0.47193	0.136596	0.0031	0.060087	0.19492	0.147203	0.00142	0.28187
0.046704	0.31387	0.172847	0.00017	0.106709	0.02109	0.157087	0.00066	0.338339
-0.01161	0.80244	0.090905	0.04962	0.069214	0.1353	0.059501	0.19931	0.186838
-0.01201	0.79582	0.11591	0.01219	0.037103	0.42375	0.125862	0.00646	0.294746
-0.04404	0.34231	0.087029	0.06021	0.012293	0.79104	0.104254	0.02426	0.294995
0.177755	0.00011	0.360689	8.55E-16	0.196671	1.86E-05	0.4006	1.98E-19	0.423815
-0.09392	0.0425	-0.01943	0.67536	-0.06038	0.19276	0.008723	0.85087	0.096657
0.094198	0.04188	0.181136	8.27E-05	0.097226	0.03569	0.187311	4.64E-05	0.284705
0.181801	7.78E-05	0.228958	5.70E-07	0.196395	1.92E-05	0.164859	0.00035	0.249887
0.026732	0.56445	0.222826	1.15E-06	0.117047	0.01136	0.251399	3.65E-08	0.438148
0.070379	0.12884	0.288961	1.97E-10	0.165978	0.00032	0.291346	1.37E-10	0.573255
-0.01959	0.6729	0.08958	0.05305	0.022103	0.63377	0.113172	0.01441	0.203392
0.000925	0.9841	0.178743	0.0001	0.085229	0.06573	0.182779	7.10E-05	0.361208
0.046621	0.31473	0.178694	0.0001	0.117339	0.01116	0.172061	0.00019	0.375932
0.024216	0.60168	0.099335	0.03186	0.071625	0.12219	0.06375	0.16902	0.263356
-0.01181	0.79907	0.081567	0.07826	0.025506	0.58246	0.091888	0.04719	0.193114
-0.02259	0.62627	0.090682	0.05018	0.020867	0.65287	0.117274	0.0112	0.210881
-0.02361	0.61079	0.119653	0.00965	0.046682	0.31411	0.130975	0.00458	0.280534
0.029641	0.52283	0.171989	0.00019	0.086625	0.06142	0.189588	3.73E-05	0.410858
0.081417	0.07881	0.214484	2.91E-06	0.120399	0.0092	0.21932	1.71E-06	0.362371
-0.0784	0.09057	0.077174	0.09576	0.019604	0.67262	0.087569	0.05863	0.242091
0.10507	0.02316	0.239262	1.67E-07	0.18065	8.65E-05	0.195845	2.02E-05	0.384958

-0.09254	0.04563	-0.19144	3.12E-05	-0.11634	0.01187	-0.19563	2.07E-05	-0.33958
0.027865	0.54806	0.200557	1.26E-05	0.086622	0.06143	0.217494	2.09E-06	0.440586
0.019704	0.67106	0.185674	5.42E-05	0.079123	0.08765	0.190208	3.51E-05	0.433863
0.032112	0.48877	0.159975	0.00052	0.087216	0.05966	0.154861	0.00079	0.324572
0.018102	0.6964	0.192281	2.87E-05	0.103256	0.02566	0.208167	5.73E-06	0.3162
0.018693	0.68701	0.120032	0.00942	0.036569	0.43046	0.14876	0.00126	0.299798
0.018042	0.69736	-0.13179	0.00433	-0.03485	0.45247	-0.16205	0.00044	-0.34641
-0.01681	0.71713	-0.1357	0.0033	-0.07559	0.10279	-0.12942	0.00509	-0.36035
0.03703	0.42467	0.197918	1.65E-05	0.100851	0.02932	0.215416	2.63E-06	0.439849
0.099753	0.03114	0.282279	5.28E-10	0.167504	0.00028	0.281448	5.96E-10	0.480791
0.081477	0.07859	0.174448	0.00015	0.110484	0.01692	0.159766	0.00053	0.301038
-0.04467	0.33549	0.08182	0.07733	0.012172	0.79306	0.10804	0.01953	0.261903
-0.08411	0.06937	0.035816	0.44002	-0.02551	0.58242	0.05424	0.24206	0.118155
-0.06928	0.13496	-0.18065	8.65E-05	-0.09364	0.04311	-0.18753	4.55E-05	-0.3347
-0.03342	0.47123	-0.18862	4.09E-05	-0.09109	0.04914	-0.20178	1.11E-05	-0.39525
0.002917	0.94987	0.149707	0.00118	0.063412	0.17129	0.172029	0.00019	0.292205
-0.01961	0.67252	0.106975	0.02077	0.024462	0.59799	0.124524	0.00705	0.289484
0.00287	0.95067	0.1762	0.00013	0.051536	0.26637	0.19752	1.71E-05	0.4363
-0.07203	0.12009	0.099358	0.03182	0.007756	0.86724	0.122246	0.00818	0.202184
-0.00013	0.99769	0.14226	0.00206	0.056191	0.22551	0.15256	0.00094	0.336877
0.00225	0.96132	0.202151	1.07E-05	0.072975	0.11528	0.239162	1.69E-07	0.446397
-0.04308	0.35291	0.103489	0.02532	0.020554	0.65775	0.119792	0.00957	0.302007
0.011488	0.80444	0.11002	0.01739	0.057849	0.2121	0.093487	0.04346	0.220481
0.063742	0.16908	-0.06114	0.18722	0.023313	0.61531	-0.1118	0.01564	-0.18085
0.073022	0.11505	0.203156	9.66E-06	0.093412	0.04363	0.233391	3.38E-07	0.279023
-0.00294	0.94948	0.064706	0.16271	0.012391	0.78941	0.095977	0.03814	0.106436
0.000548	0.99057	0.123984	0.00731	0.055109	0.23459	0.14124	0.00222	0.26175
-0.02458	0.59616	-0.19004	3.57E-05	-0.12502	0.00683	-0.17497	0.00014	-0.39968
-0.01596	0.73089	0.128251	0.00551	0.050917	0.27217	0.135281	0.0034	0.292036
0.020166	0.66381	0.117439	0.01109	0.048439	0.29621	0.112181	0.01529	0.214047
0.015017	0.74618	0.153746	0.00086	0.054867	0.23665	0.185921	5.29E-05	0.343713
-0.02875	0.53547	0.178865	0.0001	0.057962	0.21121	0.209786	4.82E-06	0.351397
0.016322	0.725	0.192017	2.95E-05	0.075586	0.10281	0.224679	9.33E-07	0.477369
-0.05323	0.25096	0.141569	0.00217	0.033749	0.46687	0.167091	0.00029	0.333357
0.099452	0.03166	0.22288	1.15E-06	0.122955	0.00781	0.225015	8.98E-07	0.424924
0.028086	0.54488	0.192494	2.82E-05	0.10617	0.02175	0.185757	5.38E-05	0.446547
-0.12024	0.0093	-0.28054	6.81E-10	-0.19986	1.35E-05	-0.26369	7.21E-09	-0.4599
0.110892	0.01651	-0.06748	0.14536	0.042634	0.35795	-0.12904	0.00523	-0.22033
-0.00416	0.92855	0.181677	7.87E-05	0.10492	0.02336	0.190111	3.55E-05	0.304843
0.039424	0.39532	-0.24993	4.41E-08	-0.06918	0.13547	-0.3019	2.69E-11	-0.53701
0.020506	0.65849	0.21642	2.35E-06	0.083524	0.07134	0.25713	1.73E-08	0.381034
-0.02005	0.66559	-0.2282	6.23E-07	-0.10499	0.02327	-0.26316	7.75E-09	-0.41519
0.035639	0.44228	-0.14179	0.00213	-0.04277	0.35646	-0.17916	9.91E-05	-0.35333
0.077053	0.09629	0.154131	0.00083	0.10074	0.0295	0.126788	0.00608	0.315683
-0.02658	0.56665	0.096219	0.03766	0.046739	0.31351	0.089089	0.05437	0.273804



-0.01555	0.73747	0.158609	0.00058	0.060135	0.19456	0.162951	0.00041	0.34168
0.053548	0.24812	0.268457	3.76E-09	0.131987	0.00428	0.286039	3.04E-10	0.501301
0.031652	0.49503	0.19933	1.43E-05	0.097807	0.0346	0.214744	2.83E-06	0.395189
0.003942	0.9323	0.217394	2.11E-06	0.08383	0.07031	0.25654	1.87E-08	0.44236
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0.049504	0.28571	-0.16465	0.00035	-0.04133	0.3729	-0.2336	3.30E-07	-0.37289
0.076332	0.09945	0.141301	0.00221	0.088212	0.0568	0.122143	0.00823	0.297709
0.030689	0.50825	0.199499	1.40E-05	0.086519	0.06174	0.211462	4.03E-06	0.418786
0.023281	0.6158	0.218071	1.96E-06	0.111583	0.01585	0.218949	1.78E-06	0.453864
0.00523	0.91025	0.06404	0.16709	0.019988	0.6666	0.073305	0.11364	0.091723
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0.05456	0.23929	-0.16225	0.00043	-0.02882	0.53448	-0.21193	3.83E-06	-0.41578
0.023938	0.60586	0.152108	0.00098	0.065739	0.15609	0.159554	0.00054	0.417098
0.177684	0.00011	0.177056	0.00012	0.142257	0.00206	0.171263	0.0002	0.329365
0.025356	0.58467	0.065352	0.15854	0.010023	0.82897	0.093696	0.04299	0.19125
0.071961	0.12044	0.161403	0.00046	0.093502	0.04342	0.157291	0.00065	0.320707
0.05295	0.25345	0.187609	4.51E-05	0.079766	0.08509	0.201114	1.19E-05	0.401713
0.045423	0.32735	0.129364	0.00511	0.068978	0.13664	0.154231	0.00083	0.261714
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-0.08026	0.08319	0.044197	0.34058	-0.00325	0.94418	0.044209	0.34046	0.122195
0.025875	0.57701	0.087441	0.059	0.034975	0.45083	0.099912	0.03087	0.234362
0.109119	0.01833	0.359963	9.85E-16	0.160411	0.0005	0.408067	3.64E-20	0.625667
0.105969	0.022	0.230627	4.69E-07	0.115036	0.01286	0.264576	6.40E-09	0.412516
0.101625	0.0281	0.22998	5.06E-07	0.132163	0.00422	0.221735	1.30E-06	0.306713
0.014829	0.74926	0.14874	0.00127	0.073976	0.11037	0.165479	0.00033	0.382077
-0.03502	0.45025	0.141939	0.00211	0.049906	0.28181	0.162245	0.00043	0.340819
-0.0427	0.35726	-0.00114	0.98041	-0.01303	0.77882	0.009614	0.83584	0.108914
-0.00709	0.87861	0.091625	0.04783	0.049803	0.2828	0.082906	0.07347	0.24537
0.092364	0.04605	-0.04727	0.30802	-0.00548	0.90605	-0.05636	0.22409	-0.1593
-0.0351	0.44921	0.084807	0.06709	0.028775	0.53506	0.100947	0.02917	0.219963
0.006594	0.88699	0.150022	0.00115	0.059957	0.19588	0.171403	0.0002	0.290288
-0.03477	0.45349	0.102089	0.02738	0.040326	0.38459	0.097854	0.03451	0.193419
-0.03795	0.41324	0.008426	0.85589	-0.01589	0.73191	0.024003	0.60488	0.079995
0.030333	0.51318	0.168661	0.00025	0.077224	0.09555	0.196006	1.99E-05	0.382252
-0.06554	0.15736	-0.04557	0.32578	-0.04806	0.29999	-0.04307	0.35301	0.194074
-0.00668	0.88548	0.153927	0.00085	0.069983	0.131	0.157742	0.00062	0.39054
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-0.08244	0.07513	0.067444	0.14561	-0.01859	0.68865	0.109067	0.01839	0.266642
-0.04355	0.34769	0.108916	0.01855	0.029402	0.5262	0.140397	0.00236	0.220209
-0.01974	0.67052	0.029685	0.52222	0.010925	0.81385	0.026731	0.56447	0.182732
-0.03809	0.41147	0.092572	0.04556	-0.00894	0.84726	0.147728	0.00137	0.082447
0.033417	0.47128	0.121944	0.00834	0.060528	0.19165	0.12159	0.00853	0.195636
0.042596	0.35838	0.123367	0.00761	0.07213	0.11957	0.120259	0.00929	0.278353
-0.01429	0.75815	0.145429	0.00163	0.04176	0.3679	0.177831	0.00011	0.378361

-0.00465	0.92011	-0.11313	0.01444	-0.05076	0.27366	-0.1295	0.00507	-0.3517
-0.03506	0.4497	0.020588	0.65721	0.001254	0.97844	0.030681	0.50835	0.130962
0.043297	0.35052	0.121027	0.00884	0.062525	0.17738	0.107563	0.02007	0.302878
-0.1045	0.02392	-0.1942	2.38E-05	-0.16631	0.00031	-0.15366	0.00086	-0.35484
-0.07183	0.1211	-0.18912	3.90E-05	-0.0814	0.07887	-0.23164	4.16E-07	-0.36493
-0.00741	0.87313	-0.17107	0.0002	-0.06936	0.13447	-0.20029	1.29E-05	-0.36043
0.003639	0.93749	0.160044	0.00052	0.07467	0.10706	0.158758	0.00057	0.334321
0.017384	0.70788	-0.17651	0.00013	-0.07252	0.11755	-0.21292	3.45E-06	-0.31005
-0.06099	0.18825	-0.24054	1.43E-07	-0.15873	0.00058	-0.22676	7.35E-07	-0.42454
-0.01965	0.67184	-0.20037	1.28E-05	-0.07958	0.08582	-0.22428	9.77E-07	-0.45532
-0.04087	0.37822	0.089934	0.05211	0.017112	0.71226	0.108847	0.01863	0.292065
0.071962	0.12044	0.107264	0.02042	0.028867	0.53376	0.143901	0.00182	0.266966
0.059724	0.19763	0.199311	1.43E-05	0.103445	0.02539	0.203839	9.00E-06	0.306262
0.01868	0.68722	0.138749	0.00266	0.04718	0.30896	0.162042	0.00044	0.284425
0.086381	0.06216	0.262053	9.00E-09	0.130456	0.00475	0.279285	8.16E-10	0.550882
0.034439	0.45781	0.175959	0.00013	0.086963	0.06041	0.184852	5.85E-05	0.381366
-0.00291	0.95003	0.158806	0.00057	0.053119	0.25194	0.18111	8.29E-05	0.265911
0.030828	0.50632	0.105875	0.02212	0.057889	0.21178	0.104025	0.02457	0.318683
-0.04727	0.30803	0.140658	0.00231	0.034653	0.45501	0.159289	0.00055	0.312135
-0.01965	0.67196	0.101522	0.02826	0.02084	0.6533	0.12123	0.00873	0.302997
-0.02648	0.56814	0.018689	0.68708	0.002511	0.95684	0.026946	0.56134	0.121602
0.023446	0.6133	0.168676	0.00025	0.060755	0.18999	0.193939	2.44E-05	0.342482
0.068663	0.13845	0.196519	1.89E-05	0.115532	0.01248	0.199905	1.35E-05	0.485779
0.028822	0.5344	0.217574	2.07E-06	0.099872	0.03094	0.238742	1.78E-07	0.511466
-0.04242	0.36035	0.09264	0.0454	-0.00066	0.98867	0.129901	0.00493	0.225891
0.019259	0.67806	0.247738	5.82E-08	0.133024	0.00398	0.254223	2.53E-08	0.513016
-0.0136	0.76939	0.127601	0.00576	0.057439	0.21536	0.143528	0.00187	0.207883
0.153847	0.00085	0.266324	5.04E-09	0.222897	1.14E-06	0.195178	2.16E-05	0.451932
-0.01459	0.75314	0.125535	0.0066	0.022653	0.62534	0.159525	0.00054	0.374058
0.050373	0.27732	0.188306	4.22E-05	0.097781	0.03465	0.195038	2.19E-05	0.418904
-0.00356	0.93876	-0.0987	0.03298	-0.04085	0.37845	-0.11543	0.01256	-0.25372
0.127858	0.00566	0.26109	1.02E-08	0.197824	1.66E-05	0.229064	5.63E-07	0.497644
-0.03125	0.50049	0.11734	0.01116	0.038856	0.40217	0.131074	0.00455	0.314289
-0.02817	0.54375	0.114453	0.01333	0.050805	0.27323	0.111214	0.0162	0.293124
-0.06256	0.17711	0.014918	0.74781	-0.01974	0.67056	0.032199	0.48759	0.138602
-0.05053	0.27579	-0.1645	0.00036	-0.09631	0.03747	-0.17231	0.00018	-0.26471
-0.03852	0.4062	-0.1843	6.16E-05	-0.04939	0.28678	-0.24962	4.58E-08	-0.44653
-0.02039	0.66026	-0.19866	1.53E-05	-0.10073	0.02953	-0.22349	1.07E-06	-0.35262
0.009637	0.83545	0.21361	3.20E-06	0.113464	0.01415	0.218012	1.97E-06	0.412189
-0.02904	0.53127	0.13675	0.00306	0.055003	0.23549	0.145726	0.00159	0.341218
-0.06286	0.17506	0.07082	0.12645	-0.00237	0.95927	0.100329	0.03018	0.237193
0.056102	0.22625	0.155193	0.00076	0.086684	0.06124	0.149031	0.00124	0.367528
-0.03418	0.46123	0.126826	0.00606	0.038062	0.41186	0.133725	0.00379	0.24993
-0.07317	0.1143	0.058229	0.20911	0.001172	0.97984	0.062829	0.17528	0.141449
0.078249	0.09121	0.285696	3.20E-10	0.115477	0.01252	0.339559	4.57E-14	0.546456

0.088027	0.05732	0.07735	0.09501	0.078222	0.09132	0.045372	0.32789	0.176364
0.011706	0.8008	0.155171	0.00077	0.100035	0.03066	0.137785	0.00285	0.3493
0.012458	0.78831	0.07119	0.12447	0.035057	0.44978	0.062418	0.17812	0.162833
0.034264	0.4601	0.197732	1.68E-05	0.065238	0.15927	0.241136	1.33E-07	0.33358
0.000517	0.9911	0.11968	0.00963	0.0641	0.16669	0.119639	0.00966	0.285462
-0.05109	0.27054	-0.15513	0.00077	-0.09368	0.04302	-0.1592	0.00055	-0.28808
0.05508	0.23484	0.171143	0.0002	0.08127	0.07935	0.186202	5.15E-05	0.36763
-0.06846	0.13961	0.044441	0.33792	-0.02269	0.62471	0.066418	0.15185	0.241222
0.114945	0.01293	0.325545	5.45E-13	0.170051	0.00022	0.347929	9.80E-15	0.679882
0.056972	0.21912	0.263012	7.91E-09	0.115752	0.01231	0.311094	6.15E-12	0.434471
-0.07674	0.09764	0.045477	0.32677	0.005319	0.90874	0.051664	0.26518	0.242842
0.099942	0.03082	0.368702	1.75E-16	0.206672	6.70E-06	0.382991	9.18E-18	0.675566
0.047552	0.30515	0.211569	3.99E-06	0.111123	0.01629	0.215536	2.59E-06	0.449553
0.054189	0.2425	0.201752	1.12E-05	0.086737	0.06108	0.228378	6.10E-07	0.392963
0.043945	0.34335	0.167493	0.00028	0.119492	0.00975	0.146592	0.00149	0.224953
-0.03216	0.48811	0.157492	0.00064	0.033057	0.47606	0.198988	1.48E-05	0.409828
0.054874	0.23659	-0.14172	0.00214	-0.00645	0.88937	-0.20226	1.06E-05	-0.39209
-0.07708	0.09617	0.108958	0.01851	0.002203	0.96213	0.148126	0.00133	0.354525
0.077555	0.09413	0.233593	3.30E-07	0.103571	0.02521	0.271579	2.44E-09	0.437772
0.033375	0.47182	0.176025	0.00013	0.090222	0.05136	0.193853	2.46E-05	0.337803
0.067858	0.14314	0.170291	0.00022	0.111183	0.01623	0.16054	0.0005	0.347748
0.015748	0.73429	0.187707	4.47E-05	0.078746	0.08917	0.207939	5.87E-06	0.350919
0.012861	0.78164	0.225061	8.94E-07	0.100138	0.03049	0.24333	1.01E-07	0.382368
0.000341	0.99413	0.169446	0.00023	0.089113	0.0543	0.167375	0.00028	0.426347
0.062279	0.17909	0.038876	0.40193	0.032413	0.4847	0.031283	0.50007	0.247098
-0.06297	0.17433	-0.23342	3.37E-07	-0.1421	0.00208	-0.2386	1.81E-07	-0.37542
0.03096	0.5045	0.167217	0.00028	0.097472	0.03523	0.162421	0.00043	0.364993
-0.03362	0.46864	-0.15253	0.00094	-0.04963	0.28451	-0.18671	4.91E-05	-0.37598
-0.0769	0.09697	0.025566	0.58157	-0.02674	0.56435	0.042288	0.36186	0.19421
0.051122	0.27024	0.251578	3.57E-08	0.123592	0.0075	0.273158	1.95E-09	0.626517
0.116548	0.01172	0.166377	0.00031	0.119253	0.0099	0.156848	0.00067	0.352363
0.024044	0.60427	0.18372	6.51E-05	0.07964	0.08559	0.199348	1.42E-05	0.24839
0.034731	0.45401	0.191649	3.06E-05	0.09014	0.05157	0.224467	9.56E-07	0.360493
-0.01134	0.80686	0.189558	3.74E-05	0.076434	0.099	0.221115	1.40E-06	0.285251
0.14715	0.00143	0.209442	5.00E-06	0.20328	9.54E-06	0.145002	0.00168	0.165493
0.005671	0.90273	0.13909	0.00259	0.053277	0.25053	0.158525	0.00059	0.201565
0.061386	0.18542	0.222234	1.23E-06	0.096356	0.03738	0.262067	8.98E-09	0.482914
0.103401	0.02545	0.199788	1.36E-05	0.142253	0.00206	0.175087	0.00014	0.440649
0.054522	0.23962	0.174175	0.00016	0.091646	0.04778	0.17573	0.00014	0.244873
-0.10598	0.02199	0.031458	0.49767	-0.01741	0.70754	0.045909	0.32219	0.112634
-0.03285	0.47883	0.102252	0.02714	0.015343	0.74087	0.127243	0.00589	0.287951
0.057565	0.21435	0.199491	1.40E-05	0.082859	0.07363	0.228164	6.25E-07	0.383588
0.021215	0.64747	0.165697	0.00032	0.058259	0.20887	0.200712	1.24E-05	0.287638
-0.02805	0.54545	0.093871	0.0426	-0.00353	0.9394	0.129029	0.00523	0.286658
0.005205	0.91068	0.16193	0.00044	0.072343	0.11847	0.175872	0.00013	0.410894

0.006408	0.89016	0.090835	0.04979	0.044052	0.34218	0.085672	0.06434	0.240992
0.015925	0.73142	0.166616	0.0003	0.09525	0.03963	0.163424	0.00039	0.362459
0.020668	0.65596	0.078823	0.08886	0.044739	0.33469	0.057033	0.21862	0.300426
0.09297	0.04464	0.224274	9.77E-07	0.136696	0.00308	0.216387	2.36E-06	0.354315
0.10727	0.02042	0.280855	6.50E-10	0.140768	0.0023	0.327834	3.67E-13	0.395961
0.015021	0.74613	0.210946	4.26E-06	0.110853	0.01655	0.217202	2.16E-06	0.475995
0.026797	0.56351	0.226281	7.77E-07	0.08727	0.0595	0.256966	1.77E-08	0.495441
0.007869	0.86533	0.071988	0.1203	0.039006	0.40035	0.072138	0.11953	0.253876
0.145465	0.00162	0.23194	4.02E-07	0.176776	0.00012	0.192405	2.84E-05	0.420546
0.06559	0.15703	0.218732	1.82E-06	0.095806	0.03849	0.248096	5.57E-08	0.410621
0.018185	0.69509	0.168006	0.00027	0.076393	0.09918	0.164612	0.00035	0.307543
-0.11266	0.01486	-0.22424	9.82E-07	-0.1661	0.00031	-0.206	7.19E-06	-0.46465
0.052622	0.25641	0.182017	7.62E-05	0.081298	0.07925	0.195192	2.16E-05	0.457661
0.059599	0.19857	0.150305	0.00112	0.066775	0.14965	0.169307	0.00024	0.351217
-0.02433	0.59992	0.09343	0.04359	0.023517	0.61222	0.104042	0.02455	0.264448
0.087463	0.05894	0.167499	0.00028	0.11448	0.01331	0.14472	0.00172	0.329802
-0.02307	0.61896	0.115945	0.01216	0.03538	0.44561	0.138568	0.00269	0.293336
0.074264	0.10899	0.180174	9.03E-05	0.107045	0.02068	0.175352	0.00014	0.409495
-0.03589	0.43912	0.070396	0.12874	0.000367	0.99369	0.085046	0.06632	0.224044
-0.07465	0.10717	0.033049	0.47618	-0.00519	0.91093	0.034155	0.46152	0.192106
0.064033	0.16714	0.218677	1.83E-06	0.107326	0.02035	0.260579	1.10E-08	0.390052
0.023426	0.61359	0.089117	0.05429	0.053436	0.24912	0.090199	0.05142	0.237997
0.016571	0.72097	-0.16765	0.00027	-0.06273	0.17597	-0.20647	6.85E-06	-0.33731
0.048982	0.29082	0.198735	1.52E-05	0.09887	0.03267	0.215944	2.48E-06	0.378806
-0.00454	0.92202	0.166694	0.0003	0.054362	0.241	0.186896	4.83E-05	0.450722
0.014179	0.75991	0.122768	0.00791	0.055951	0.2275	0.136737	0.00307	0.276599
0.011604	0.80251	0.163615	0.00038	0.041848	0.36689	0.206103	7.11E-06	0.322713
-0.03173	0.49395	0.068566	0.13901	-0.00021	0.99644	0.083987	0.06978	0.221629
0.063411	0.17131	0.221765	1.30E-06	0.098314	0.03367	0.231642	4.16E-07	0.478989
0.060476	0.19203	0.20951	4.97E-06	0.149738	0.00117	0.179781	9.36E-05	0.45652
0.082404	0.07524	0.275641	1.37E-09	0.140905	0.00227	0.315967	2.76E-12	0.421082
-0.0334	0.47148	0.089172	0.05414	0.006914	0.88154	0.109094	0.01836	0.347603
-0.04003	0.38803	0.049586	0.28491	0.030558	0.51005	0.034763	0.45358	0.163961
0.034659	0.45494	0.04303	0.3535	0.037428	0.4197	0.018824	0.68493	0.17096
0.117402	0.01111	0.333724	1.30E-13	0.195999	1.99E-05	0.354708	2.72E-15	0.543188
-0.1604	0.0005	-0.13087	0.00462	-0.1106	0.0168	-0.12669	0.00612	-0.13476
0.031378	0.49876	0.262584	8.38E-09	0.114215	0.01352	0.291759	1.29E-10	0.477658
0.031026	0.50359	0.181185	8.23E-05	0.091565	0.04798	0.17898	0.0001	0.422879
-0.00599	0.89733	-0.0933	0.04387	-0.03508	0.44946	-0.10783	0.01977	-0.18324
0.074966	0.10567	0.281538	5.88E-10	0.139105	0.00259	0.302269	2.54E-11	0.596481
0.030461	0.5114	0.070796	0.12658	0.034134	0.46181	0.088716	0.05539	0.127792
0.008558	0.85366	0.154558	0.0008	0.096284	0.03753	0.133013	0.00398	0.33975
-0.06524	0.15923	0.073369	0.11333	-0.01019	0.82611	0.11038	0.01702	0.200363
-0.12812	0.00556	0.072866	0.11583	-0.05037	0.27737	0.126478	0.0062	0.245425
0.035893	0.43903	0.184594	6.00E-05	0.102075	0.0274	0.190993	3.26E-05	0.36202

-0.12645	0.00621	0.022609	0.62601	-0.03407	0.46258	0.037639	0.41708	0.171916
0.032955	0.47743	0.11887	0.01014	0.041228	0.37404	0.132649	0.00408	0.239807
-0.00777	0.86701	0.124976	0.00685	0.043275	0.35077	0.139068	0.0026	0.255084
0.033718	0.46728	0.162929	0.00041	0.085844	0.0638	0.164602	0.00035	0.37547
-0.1145	0.01329	-0.2654	5.72E-09	-0.16543	0.00033	-0.27219	2.24E-09	-0.45297
0.036617	0.42985	0.317356	2.19E-12	0.120954	0.00888	0.394782	7.23E-19	0.430408
0.039263	0.39726	0.208093	5.77E-06	0.092915	0.04476	0.237706	2.02E-07	0.450647
-0.00755	0.87073	0.097901	0.03442	-0.00379	0.93496	0.14882	0.00126	0.261339
-0.0168	0.7173	0.123549	0.00752	0.056872	0.21993	0.147195	0.00142	0.228656
-0.02555	0.58178	0.07392	0.11064	0.006264	0.8926	0.094365	0.04152	0.266829
0.116251	0.01194	0.199485	1.40E-05	0.143768	0.00184	0.171018	0.0002	0.390357
0.206534	6.80E-06	0.337884	6.19E-14	0.217643	2.06E-06	0.337506	6.63E-14	0.548252
0.038186	0.41034	0.150393	0.00111	0.08054	0.0821	0.156758	0.00068	0.370793
0.028903	0.53325	0.17953	9.58E-05	0.081879	0.07712	0.185325	5.60E-05	0.408076
0.059293	0.20089	0.151509	0.00102	0.120609	0.00908	0.126422	0.00623	0.307554
-0.04593	0.32197	0.072956	0.11538	0.01887	0.68421	0.06787	0.14307	0.249279
-0.01796	0.69865	0.134645	0.00355	0.038966	0.40084	0.159383	0.00055	0.304499
-0.02596	0.57571	0.086716	0.06114	0.038657	0.40458	0.092742	0.04516	0.207405
0.044689	0.33523	0.233411	3.38E-07	0.122106	0.00825	0.238054	1.93E-07	0.497897
0.035008	0.45041	0.166416	0.0003	0.111244	0.01617	0.158157	0.0006	0.248439
-0.06132	0.1859	0.134496	0.00359	0.023905	0.60636	0.173982	0.00016	0.297299
0.065696	0.15636	0.26871	3.63E-09	0.122879	0.00785	0.310313	6.99E-12	0.513025
0.018804	0.68525	-0.10977	0.01764	-0.00352	0.93952	-0.15783	0.00062	-0.26998
-0.00772	0.86782	-0.07181	0.12124	-0.02823	0.54287	-0.07512	0.10496	-0.19579
0.006831	0.88295	0.226238	7.81E-07	0.074018	0.11017	0.277896	9.96E-10	0.435452
0.023664	0.60999	0.112408	0.01508	0.060578	0.19128	0.114655	0.01317	0.29082
-0.0425	0.35948	0.169668	0.00023	0.028456	0.5396	0.223037	1.13E-06	0.403007
-0.07558	0.10285	-0.18008	9.11E-05	-0.0898	0.05246	-0.20387	8.97E-06	-0.34127
-0.06508	0.16027	0.080647	0.08169	-0.00193	0.96688	0.110105	0.0173	0.232986
-0.06048	0.19197	0.140313	0.00237	0.023454	0.61316	0.179882	9.28E-05	0.337415
0.021492	0.64319	-0.18388	6.41E-05	-0.08622	0.06266	-0.19611	1.97E-05	-0.29147
-0.01834	0.69269	0.12536	0.00668	0.04688	0.31205	0.129352	0.00512	0.343586
0.014876	0.7485	0.12579	0.00649	0.074089	0.10982	0.112579	0.01493	0.34887
0.030078	0.51673	0.26424	6.70E-09	0.114712	0.01312	0.292095	1.22E-10	0.559302
0.01666	0.71954	0.138283	0.00275	0.041329	0.37286	0.170596	0.00021	0.313919
-0.01787	0.70017	0.067984	0.1424	0.02007	0.66531	0.071992	0.12028	0.155947
0.037979	0.41288	0.192085	2.93E-05	0.09141	0.04836	0.207395	6.21E-06	0.433154
0.016042	0.72953	0.174654	0.00015	0.090717	0.05009	0.174399	0.00015	0.410117
-0.04016	0.38659	0.122329	0.00813	0.064987	0.16089	0.120534	0.00913	0.361479
0.051679	0.26505	0.221499	1.34E-06	0.119794	0.00956	0.223326	1.09E-06	0.448788
-0.00238	0.95909	0.137051	0.003	0.040553	0.38191	0.160579	0.00049	0.327029
-0.05507	0.23488	0.125673	0.00654	0.031828	0.49262	0.156052	0.00071	0.321008
-0.03018	0.51532	0.111315	0.0161	0.00665	0.88603	0.1689	0.00025	0.214423
-0.01756	0.70507	0.158989	0.00056	0.062696	0.17619	0.176318	0.00013	0.35057
0.034586	0.45589	0.137779	0.00285	0.075408	0.10362	0.144773	0.00171	0.345084

0.038784	0.40304	0.182792	7.09E-05	0.073935	0.11057	0.207516	6.13E-06	0.392145
-0.03361	0.46877	0.107636	0.01999	-0.00118	0.97976	0.154051	0.00084	0.285089
0.037277	0.42158	0.07549	0.10325	0.050453	0.27657	0.069559	0.13336	0.182867
0.047054	0.31026	0.224972	9.03E-07	0.114952	0.01293	0.218481	1.87E-06	0.482937
0.007675	0.86862	-0.14931	0.00121	-0.06044	0.19226	-0.19009	3.55E-05	-0.3144
0.074158	0.10949	0.214299	2.97E-06	0.118371	0.01046	0.213182	3.35E-06	0.518949
0.04662	0.31474	0.114962	0.01292	0.067041	0.14804	0.088636	0.05561	0.179513
-0.02223	0.63186	0.184822	5.87E-05	0.068941	0.13685	0.212571	3.58E-06	0.43757
0.047504	0.30565	0.14572	0.00159	0.068928	0.13693	0.143768	0.00184	0.346505
0.035799	0.44024	0.211539	4.00E-06	0.12562	0.00656	0.195961	2.00E-05	0.400188
0.027532	0.55285	0.113426	0.01419	0.029009	0.53174	0.141687	0.00215	0.253041
0.02143	0.64413	0.155984	0.00072	0.070626	0.12749	0.146045	0.00155	0.250908
-0.03436	0.45885	0.164035	0.00037	0.062478	0.1777	0.183279	6.78E-05	0.392007
-0.06496	0.16108	-0.01822	0.6945	-0.05736	0.21598	0.011407	0.80579	0.039338
-0.01384	0.76541	0.149564	0.00119	0.066275	0.15273	0.138772	0.00265	0.371972
0.00333	0.94278	0.080131	0.08367	0.020225	0.66288	0.093982	0.04235	0.279994
0.048611	0.2945	-0.19254	2.80E-05	-0.0564	0.22377	-0.24774	5.82E-08	-0.40937
-0.06899	0.13656	-0.17859	0.0001	-0.09207	0.04675	-0.18315	6.86E-05	-0.41474
0.044781	0.33423	0.24618	7.09E-08	0.131387	0.00445	0.256065	1.99E-08	0.416586
0.057929	0.21146	0.24696	6.43E-08	0.121199	0.00875	0.256555	1.87E-08	0.543442
0.085259	0.06564	0.159898	0.00052	0.136178	0.00319	0.128367	0.00547	0.327097
-0.01837	0.69209	0.169238	0.00024	0.055147	0.23426	0.190387	3.45E-05	0.408262
0.041593	0.36982	0.110903	0.0165	0.048803	0.2926	0.117868	0.0108	0.276938
0.016836	0.7167	0.15001	0.00115	0.054268	0.24182	0.164994	0.00034	0.365977
-0.03494	0.45133	0.115783	0.01229	0.030614	0.50928	0.133307	0.0039	0.368535
-0.1937	2.50E-05	-0.2947	8.23E-11	-0.22316	1.11E-06	-0.26205	9.00E-09	-0.45539
-0.02487	0.59197	0.225101	8.89E-07	0.069575	0.13327	0.254785	2.36E-08	0.563168
0.081956	0.07684	0.214333	2.96E-06	0.113803	0.01387	0.22938	5.43E-07	0.513505
-0.00336	0.94234	0.117325	0.01117	0.022827	0.62269	0.152475	0.00095	0.359924
0.072057	0.11995	0.1287	0.00535	0.076946	0.09675	0.123347	0.00762	0.333504
0.036195	0.43519	0.191389	3.14E-05	0.09578	0.03854	0.205642	7.46E-06	0.437922
-0.12848	0.00543	-0.24583	7.40E-08	-0.1476	0.00138	-0.25528	2.21E-08	-0.36252
-0.00884	0.84892	0.056113	0.22616	0.008976	0.8466	0.058347	0.20818	0.123579
-0.11243	0.01507	-0.17344	0.00017	-0.09861	0.03313	-0.19848	1.56E-05	-0.34621
0.093882	0.04258	0.294655	8.29E-11	0.181688	7.86E-05	0.286252	2.94E-10	0.567414
0.033385	0.4717	0.172764	0.00018	0.093017	0.04453	0.168464	0.00026	0.412032
0.003746	0.93566	0.137468	0.00291	0.072018	0.12014	0.145493	0.00162	0.24785
-0.02713	0.55871	0.125648	0.00655	0.031777	0.49331	0.144583	0.00173	0.270852
0.027667	0.55091	0.138596	0.00269	0.070971	0.12564	0.135898	0.00325	0.328574
-0.09495	0.04027	-0.03359	0.46892	-0.06077	0.18985	-0.01219	0.79278	0.084083
-0.04923	0.28836	-0.02471	0.59424	-0.03301	0.47663	-0.02745	0.554	0.107286
-0.00785	0.86572	-0.1177	0.01091	0.012376	0.78967	-0.19307	2.66E-05	-0.31667
-0.04466	0.33553	-0.19359	2.53E-05	-0.106	0.02196	-0.20286	9.95E-06	-0.36396
-0.04957	0.28505	-0.22919	5.55E-07	-0.11725	0.01122	-0.24363	9.75E-08	-0.42068
0.0787	0.08936	-0.13913	0.00258	-0.01146	0.80487	-0.176	0.00013	-0.39971

-0.02437	0.59937	-0.24587	7.37E-08	-0.13932	0.00255	-0.25132	3.69E-08	-0.45884
-0.04125	0.37377	0.172726	0.00018	0.023951	0.60566	0.26159	9.58E-09	0.187459
-0.00557	0.90445	0.120657	0.00905	0.048703	0.29359	0.139917	0.00244	0.261031
0.022903	0.62154	0.131704	0.00436	0.061811	0.18239	0.137282	0.00295	0.324023
0.007227	0.87622	0.132045	0.00426	0.054461	0.24015	0.127369	0.00585	0.333753
-0.01124	0.80863	-0.09941	0.03173	-0.00144	0.97525	-0.14132	0.00221	-0.3092
-0.10629	0.0216	-0.10064	0.02966	-0.076	0.10092	-0.09168	0.04769	-0.20471
-0.08565	0.0644	-0.13307	0.00397	-0.07478	0.10655	-0.14422	0.00178	-0.30391
0.011794	0.79934	0.14905	0.00124	0.043892	0.34393	0.188041	4.33E-05	0.340078
-0.0705	0.12817	0.076114	0.10042	-0.03949	0.39456	0.119274	0.00988	0.260232
0.032717	0.48062	0.092581	0.04554	0.069774	0.13217	0.065454	0.15789	0.272544
0.034842	0.45256	0.097385	0.03539	0.063999	0.16736	0.073751	0.11146	0.339801
-0.07864	0.08958	0.073217	0.11408	-0.0008	0.98631	0.09993	0.03084	0.254663
0.057716	0.21315	0.128371	0.00547	0.063654	0.16967	0.149402	0.0012	0.313328
0.029068	0.53091	0.197652	1.69E-05	0.108533	0.01897	0.202667	1.02E-05	0.381833
0.089502	0.05326	0.129237	0.00516	0.066679	0.15024	0.142501	0.00202	0.205895
-0.07415	0.10952	0.011499	0.80426	-0.04541	0.32746	0.036135	0.43596	0.143155
0.02292	0.62128	0.169768	0.00023	0.092099	0.04668	0.172248	0.00018	0.383491
-0.01151	0.80415	0.157372	0.00064	0.050984	0.27154	0.201214	1.18E-05	0.306126
0.005078	0.91285	0.035749	0.44088	0.021618	0.64123	0.030241	0.51446	0.093318
0.074559	0.10758	0.160332	0.00051	0.105639	0.02242	0.138939	0.00262	0.364292
-0.05442	0.24054	0.006826	0.88303	-0.03338	0.47181	0.014105	0.76111	0.130258
0.041008	0.37659	0.166659	0.0003	0.095084	0.03998	0.151979	0.00099	0.369884
0.060468	0.19209	0.27623	1.26E-09	0.143694	0.00185	0.294435	8.58E-11	0.562713
0.027399	0.55478	0.103757	0.02494	0.050766	0.27359	0.106371	0.0215	0.13566
0.01751	0.70587	0.209581	4.93E-06	0.099313	0.0319	0.215647	2.56E-06	0.48157
-0.0468	0.31285	0.005338	0.90841	-0.01477	0.75018	0.021314	0.64594	0.168741
-0.00929	0.84124	-0.15428	0.00082	-0.04744	0.30632	-0.19051	3.41E-05	-0.29591
0.034045	0.46297	0.162941	0.00041	0.098584	0.03318	0.14948	0.0012	0.392439
0.045982	0.32142	0.1354	0.00337	0.054362	0.241	0.158531	0.00059	0.356268
-0.09121	0.04885	-0.15686	0.00067	-0.08624	0.06258	-0.17237	0.00018	-0.36142
-0.00146	0.97494	-0.1279	0.00564	-0.06868	0.13833	-0.1242	0.0072	-0.25089
-0.00773	0.86773	0.145816	0.00158	0.054821	0.23705	0.151933	0.00099	0.32242
0.007784	0.86677	0.203439	9.38E-06	0.085909	0.0636	0.233747	3.24E-07	0.395361
-0.04308	0.35289	0.16873	0.00025	0.035889	0.43908	0.208416	5.58E-06	0.401948
-0.06821	0.14108	0.05636	0.22412	-0.05959	0.19866	0.129453	0.00508	0.2456
0.126307	0.00627	0.198299	1.58E-05	0.158503	0.00059	0.178525	0.0001	0.315813
0.105495	0.02261	0.256643	1.85E-08	0.135826	0.00327	0.284148	4.02E-10	0.476344
-0.04715	0.30927	0.042591	0.35844	-0.03597	0.4381	0.087582	0.05859	0.171744
-0.02173	0.63954	0.036842	0.42702	0.003481	0.9402	0.049575	0.28502	0.173781
0.04198	0.36538	0.221725	1.30E-06	0.085001	0.06646	0.258334	1.48E-08	0.472477
0.095158	0.03983	0.189046	3.93E-05	0.099054	0.03235	0.220847	1.44E-06	0.454823
-0.11123	0.01619	-0.03211	0.48878	-0.06484	0.16181	6.01E-05	0.99897	0.05672
-0.03791	0.41375	0.123566	0.00751	0.003737	0.9358	0.176269	0.00013	0.333165
0.04523	0.32941	0.178969	0.0001	0.081736	0.07764	0.203097	9.72E-06	0.324066

-0.01512	0.74446	0.147241	0.00142	0.046475	0.31626	0.167167	0.00029	0.353961
0.020019	0.6661	0.079853	0.08475	0.033343	0.47225	0.084662	0.06756	0.242341
0.032117	0.4887	-0.16712	0.00029	-0.04794	0.30126	-0.19932	1.43E-05	-0.38479
-0.00991	0.83091	0.142751	0.00199	0.054843	0.23686	0.149985	0.00115	0.350583
0.054583	0.23909	0.166343	0.00031	0.093532	0.04336	0.171549	0.0002	0.334465
0.008272	0.85849	0.045423	0.32735	0.026727	0.56453	0.041272	0.37353	0.131992
-0.04572	0.32417	0.129256	0.00515	0.022331	0.63027	0.158368	0.00059	0.401631
0.069041	0.13629	0.158816	0.00057	0.114695	0.01313	0.143021	0.00195	0.276965
0.038767	0.40324	0.181502	7.99E-05	0.087878	0.05774	0.187442	4.58E-05	0.482883
-0.09637	0.03736	0.015801	0.73343	-0.04726	0.30815	0.03302	0.47656	0.185138
0.068833	0.13747	0.135586	0.00333	0.104499	0.02392	0.105964	0.02201	0.174702
0.045345	0.32818	-0.11693	0.01144	-0.01443	0.75577	-0.16148	0.00046	-0.21243
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-0.00483	0.91717	0.152649	0.00094	0.04689	0.31194	0.176413	0.00013	0.341328
0.059288	0.20093	0.197225	1.76E-05	0.103535	0.02526	0.210553	4.44E-06	0.477489
0.043051	0.35326	0.238163	1.91E-07	0.118483	0.01039	0.249949	4.40E-08	0.44453
-0.00609	0.89551	0.056919	0.21955	0.051194	0.26957	0.021131	0.64877	0.211154
-0.03042	0.51197	0.135722	0.0033	0.05003	0.28062	0.157165	0.00065	0.356784
0.044884	0.33313	0.183507	6.64E-05	0.074243	0.10908	0.217647	2.06E-06	0.363002
0.025081	0.58875	0.229604	5.29E-07	0.099138	0.0322	0.249141	4.87E-08	0.492949
-0.04606	0.32061	-0.18222	7.48E-05	-0.06082	0.18951	-0.23047	4.78E-07	-0.35295
-0.00767	0.86872	0.219638	1.65E-06	0.089725	0.05266	0.241105	1.33E-07	0.490923
-0.12066	0.00906	-0.21598	2.47E-06	-0.13694	0.00302	-0.20399	8.86E-06	-0.34571
0.008041	0.8624	-0.16726	0.00028	-0.06897	0.1367	-0.19836	1.57E-05	-0.32994
-0.01087	0.81481	0.089658	0.05284	0.032342	0.48566	0.087485	0.05888	0.232653
0.072203	0.11919	0.177195	0.00012	0.068448	0.13969	0.21219	3.73E-06	0.462119
0.114892	0.01298	0.17031	0.00022	0.102927	0.02613	0.155512	0.00075	0.380458
-0.02368	0.60969	0.135125	0.00344	0.030119	0.51616	0.162933	0.00041	0.368092
-0.1467	0.00148	-0.22315	1.11E-06	-0.18042	8.83E-05	-0.19198	2.96E-05	-0.39438
0.009032	0.84566	0.119456	0.00977	0.032306	0.48615	0.135706	0.0033	0.284039
-0.00245	0.95783	-0.16349	0.00039	-0.04837	0.29689	-0.19144	3.12E-05	-0.3776
0.02359	0.61111	0.244063	9.24E-08	0.095234	0.03967	0.27281	2.05E-09	0.492738
-0.04629	0.31816	0.104597	0.02379	0.001353	0.97673	0.15058	0.0011	0.266901
0.045691	0.3245	-0.11989	0.00951	-0.01986	0.66864	-0.15585	0.00073	-0.28825
-0.12598	0.00641	-0.25927	1.31E-08	-0.18582	5.34E-05	-0.2406	1.42E-07	-0.39592
0.020829	0.65346	-0.0757	0.1023	-0.00294	0.94946	-0.11335	0.01426	-0.26915
-0.01748	0.70643	0.208452	5.56E-06	0.080397	0.08265	0.240344	1.46E-07	0.470235
0.00499	0.91435	0.042759	0.35654	0.011498	0.80427	0.068954	0.13678	0.089231
-0.05058	0.27533	0.05972	0.19766	-0.02072	0.65509	0.104798	0.02352	0.206121
-0.03542	0.44508	-0.20515	7.86E-06	-0.11735	0.01115	-0.22122	1.38E-06	-0.36858
0.028442	0.5398	0.220407	1.51E-06	0.119829	0.00954	0.227623	6.65E-07	0.454761
0.037969	0.41301	0.124836	0.00691	0.060142	0.19451	0.133321	0.0039	0.359535
0.016781	0.71759	0.068197	0.14115	0.023847	0.60724	0.057472	0.21509	0.354883
-0.01472	0.75111	0.197238	1.76E-05	0.078574	0.08987	0.221335	1.36E-06	0.427044
-0.04439	0.33844	0.113764	0.0139	0.008504	0.85457	0.146623	0.00149	0.293466



-0.14439	0.00176	-0.23793	1.96E-07	-0.18069	8.62E-05	-0.20259	1.02E-05	-0.40308
-0.04297	0.35419	0.125405	0.00666	0.039616	0.39303	0.152522	0.00094	0.231895
0.023757	0.60859	0.082147	0.07615	0.041282	0.37342	0.088947	0.05475	0.222962
0.145971	0.00156	0.323363	7.92E-13	0.188304	4.22E-05	0.343966	2.04E-14	0.476243
0.016691	0.71903	0.172007	0.00019	0.059756	0.19739	0.197153	1.78E-05	0.477665
-0.0243	0.60047	0.119712	0.00961	0.049919	0.28169	0.117943	0.01075	0.299629
-0.1606	0.00049	-0.22963	5.27E-07	-0.14375	0.00184	-0.24286	1.07E-07	-0.38683
-0.03201	0.49012	0.053169	0.2515	0.007066	0.87896	0.061064	0.18774	0.273298
-0.01009	0.82789	0.078151	0.09162	0.005972	0.89759	0.109069	0.01839	0.20448
0.017713	0.70262	0.173953	0.00016	0.115384	0.01259	0.147803	0.00136	0.385292
0.003597	0.93821	0.213936	3.09E-06	0.092777	0.04508	0.231327	4.32E-07	0.443228
0.029754	0.52126	0.24934	4.75E-08	0.114627	0.01319	0.284896	3.60E-10	0.432884
0.003272	0.94378	0.037272	0.42164	0.005727	0.90177	0.037538	0.41833	0.10831
0.001432	0.97539	-0.14179	0.00213	-0.05651	0.22287	-0.17606	0.00013	-0.26836
-0.01349	0.77127	0.069559	0.13336	0.025786	0.57833	0.071146	0.12471	0.27277
0.017496	0.7061	0.132439	0.00414	0.070129	0.1302	0.11433	0.01343	0.271774
0.027734	0.54994	0.160241	0.00051	0.07559	0.10279	0.171099	0.0002	0.389995
0.010244	0.82526	0.087606	0.05852	0.031425	0.49812	0.097738	0.03473	0.211127
0.187572	4.53E-05	0.296038	6.70E-11	0.232423	3.80E-07	0.260884	1.05E-08	0.395772
0.066901	0.14889	-0.04208	0.36419	0.006838	0.88283	-0.06917	0.13558	-0.19297
-0.02522	0.58674	0.148353	0.0013	0.034112	0.4621	0.188228	4.25E-05	0.294284
0.02142	0.6443	0.145463	0.00162	0.08809	0.05714	0.125466	0.00663	0.399216
-0.11663	0.01166	0.045845	0.32286	-0.05916	0.20187	0.106437	0.02142	0.165909
-0.07438	0.10843	0.010391	0.8228	-0.0015	0.97426	0.000568	0.99023	0.099607
-0.03752	0.41861	0.120258	0.00929	0.007698	0.86823	0.154791	0.00079	0.261804
0.022833	0.62261	0.082236	0.07583	0.061642	0.18358	0.06993	0.1313	0.195597
0.009966	0.82993	0.095605	0.0389	0.046654	0.3144	0.099691	0.03124	0.266835
0.030417	0.51201	0.140775	0.00229	0.091309	0.0486	0.119888	0.00951	0.331737
-0.0055	0.90562	0.09731	0.03553	0.009983	0.82965	0.129941	0.00492	0.212604
0.012914	0.78076	0.096504	0.03709	0.066374	0.15212	0.085385	0.06524	0.190446
-0.01433	0.7574	0.114466	0.01332	0.043458	0.34872	0.118708	0.01024	0.256756
-0.06345	0.17103	0.03604	0.43716	-0.0283	0.54179	0.064458	0.16433	0.235729
0.122523	0.00803	0.204322	8.56E-06	0.160886	0.00048	0.193335	2.59E-05	0.283164
-0.01655	0.72129	0.158314	0.0006	0.062153	0.17998	0.171009	0.0002	0.411483
0.062004	0.18102	-0.00256	0.95604	0.013309	0.77423	-0.00735	0.87418	-0.05021
0.022373	0.62962	0.116419	0.01181	0.052999	0.25301	0.139735	0.00247	0.291494
0.048309	0.29752	0.132758	0.00405	0.059974	0.19576	0.155592	0.00074	0.293379
-0.0942	0.04188	0.048037	0.30025	-0.02926	0.52824	0.070411	0.12866	0.261479
-0.0373	0.42131	-0.02211	0.63373	0.002298	0.96049	-0.05891	0.20383	0.019552
0.020617	0.65676	-0.16525	0.00034	-0.05963	0.19834	-0.20538	7.67E-06	-0.3678
0.015064	0.74543	-0.17868	0.0001	-0.0492	0.28868	-0.22651	7.57E-07	-0.42335
-0.00228	0.96074	-0.19977	1.36E-05	-0.1098	0.01762	-0.21536	2.64E-06	-0.34604
-0.08791	0.05765	-0.28254	5.08E-10	-0.1699	0.00023	-0.28301	4.75E-10	-0.56529
0.08549	0.06491	0.222693	1.17E-06	0.122821	0.00788	0.234322	3.03E-07	0.452026
0.069246	0.13513	0.15564	0.00074	0.153276	0.00089	0.097398	0.03536	0.20943

0.03997	0.3888	0.188276	4.23E-05	0.093957	0.04241	0.190533	3.41E-05	0.288852
0.035307	0.44654	0.231821	4.07E-07	0.114702	0.01313	0.241368	1.29E-07	0.485776
0.032079	0.48922	0.284602	3.76E-10	0.137295	0.00295	0.300544	3.33E-11	0.557697
0.102012	0.0275	0.105912	0.02207	0.098936	0.03255	0.072308	0.11865	0.212602
-0.05656	0.22248	0.136519	0.00312	0.020163	0.66385	0.173992	0.00016	0.38676
0.077121	0.09599	0.276491	1.22E-09	0.160839	0.00048	0.277025	1.13E-09	0.557036
-0.02575	0.57887	0.117596	0.01098	0.045376	0.32785	0.135873	0.00326	0.232484
0.020576	0.65739	0.178301	0.00011	0.07176	0.12148	0.203679	9.15E-06	0.378138
-0.0789	0.08856	0.116781	0.01155	0.014383	0.75656	0.151962	0.00099	0.345105
0.031221	0.50092	-0.14626	0.00153	-0.01995	0.66722	-0.20976	4.84E-06	-0.3145
0.004402	0.92441	0.184875	5.84E-05	0.082025	0.07659	0.195201	2.16E-05	0.443004
0.023948	0.60571	0.14598	0.00156	0.069156	0.13563	0.145215	0.00165	0.402227
0.067382	0.14598	0.249889	4.43E-08	0.135521	0.00334	0.261879	9.21E-09	0.530763
-0.05161	0.26567	-0.12973	0.00499	-0.07189	0.12079	-0.12733	0.00586	-0.26303
-0.06448	0.16419	0.074671	0.10705	-0.00137	0.97636	0.097955	0.03432	0.223961
-0.02252	0.62741	0.165403	0.00033	0.064155	0.16632	0.181021	8.36E-05	0.390173
0.133295	0.00391	0.068491	0.13944	0.076526	0.09859	0.045459	0.32696	0.254758
0.076302	0.09958	0.185222	5.65E-05	0.122954	0.00781	0.17859	0.0001	0.438882
0.002571	0.95582	0.117187	0.01126	0.05806	0.21043	0.114108	0.01361	0.291809
-0.00449	0.92297	0.099196	0.0321	0.054054	0.24368	0.083754	0.07057	0.209063
0.006654	0.88596	0.061961	0.18132	0.030188	0.5152	0.061378	0.18548	0.165187
0.004927	0.91544	0.062792	0.17553	0.025721	0.57928	0.073439	0.11298	0.172409
0.063238	0.17247	0.219764	1.63E-06	0.122356	0.00812	0.225031	8.97E-07	0.337961
-0.02192	0.63658	0.109099	0.01836	0.037493	0.41889	0.11727	0.01121	0.329512
0.125531	0.0066	0.328525	3.25E-13	0.182882	7.03E-05	0.333124	1.45E-13	0.568515
0.004858	0.91662	0.080506	0.08223	0.04719	0.30886	0.059944	0.19598	0.234193
-0.0083	0.858	-0.04551	0.32645	0.001879	0.9677	-0.08329	0.07213	-0.18159
0.043216	0.35142	0.146767	0.00147	0.071587	0.12238	0.135003	0.00347	0.271332
-0.0782	0.0914	-0.23375	3.24E-07	-0.14238	0.00204	-0.23472	2.89E-07	-0.39226
-0.03396	0.46407	0.119145	0.00997	0.050418	0.27689	0.115238	0.0127	0.293976
-0.01082	0.81553	0.105066	0.02317	0.045123	0.33055	0.107668	0.01995	0.265894
-0.00311	0.94648	0.097367	0.03542	0.058042	0.21057	0.091335	0.04854	0.225102
-0.00766	0.86889	0.164274	0.00036	0.068687	0.13831	0.179554	9.56E-05	0.401108
-0.05196	0.2625	0.097777	0.03465	0.027255	0.55686	0.131887	0.0043	0.225406
0.102015	0.0275	0.303665	2.03E-11	0.172978	0.00017	0.313781	3.96E-12	0.575288
0.037295	0.42136	-0.18566	5.42E-05	-0.0431	0.35269	-0.22644	7.63E-07	-0.43164
0.043029	0.35351	0.127274	0.00588	0.081223	0.07953	0.121387	0.00864	0.355153
0.017129	0.71197	0.212471	3.62E-06	0.109465	0.01797	0.220489	1.50E-06	0.448361
-0.00989	0.83128	0.139574	0.0025	0.04059	0.38148	0.154517	0.00081	0.380635
-0.1145	0.01329	-0.01201	0.79581	-0.05147	0.26699	0.014326	0.75749	0.114407
0.015778	0.73381	0.131654	0.00437	0.067557	0.14493	0.143204	0.00192	0.266855
-0.02707	0.55949	0.132168	0.00422	0.038444	0.40718	0.15086	0.00108	0.357119
-0.05823	0.20909	0.06308	0.17355	-0.011	0.81253	0.088361	0.05638	0.242148
-0.04394	0.34336	-0.00627	0.89247	-0.01397	0.76329	0.003627	0.9377	0.037654
-0.00917	0.84326	0.141635	0.00215	0.011868	0.79812	0.211096	4.19E-06	0.230121

0.022739	0.62403	0.136262	0.00317	0.075847	0.10162	0.116843	0.01151	0.394597
-0.05125	0.269	-0.26262	8.34E-09	-0.12485	0.0069	-0.2952	7.62E-11	-0.46843
0.082078	0.0764	0.209834	4.80E-06	0.130332	0.00479	0.199024	1.47E-05	0.461977
0.123993	0.0073	-0.00848	0.85503	0.04748	0.30589	-0.03636	0.43314	-0.12325
0.001388	0.97613	0.125647	0.00655	0.046534	0.31564	0.142416	0.00203	0.256122
-0.02527	0.58602	0.154019	0.00084	0.063723	0.1692	0.163259	0.0004	0.272777
-0.09003	0.05187	0.047446	0.30624	-0.02376	0.60857	0.064155	0.16632	0.25499
0.102525	0.02673	0.224817	9.19E-07	0.129973	0.00491	0.225513	8.48E-07	0.469585
-0.04691	0.3117	0.021721	0.63964	-0.0246	0.59594	0.042212	0.36273	0.057378
0.00269	0.95377	0.167443	0.00028	0.083436	0.07164	0.15545	0.00075	0.390501
-0.05256	0.25693	0.107476	0.02017	0.015776	0.73384	0.14637	0.00152	0.29479
0.050741	0.27383	0.173681	0.00016	0.118335	0.01049	0.148258	0.00131	0.288364
-0.03474	0.45391	0.172422	0.00018	0.053931	0.24476	0.204323	8.56E-06	0.362146
0.010911	0.81409	0.184423	6.09E-05	0.071393	0.1234	0.212803	3.49E-06	0.444084
-0.00615	0.89449	0.148848	0.00126	0.061913	0.18166	0.181558	7.95E-05	0.307966
-0.06593	0.15489	0.073508	0.11265	-0.01008	0.82796	0.10614	0.02179	0.212723
-0.04649	0.31612	0.072883	0.11575	-0.00748	0.87191	0.109211	0.01824	0.242086
-0.01044	0.82201	-0.25935	1.29E-08	-0.09529	0.03954	-0.30633	1.33E-11	-0.46166
-0.02044	0.65955	-0.15068	0.00109	-0.06287	0.17502	-0.18255	7.26E-05	-0.26882
-0.03197	0.49074	0.139954	0.00244	0.035108	0.44912	0.17285	0.00017	0.369543
-0.06635	0.15229	0.067307	0.14643	-0.00764	0.86916	0.098341	0.03362	0.215006
-0.08693	0.06049	-0.26742	4.34E-09	-0.16477	0.00035	-0.27914	8.33E-10	-0.4078
-0.03616	0.43569	0.115288	0.01267	0.036319	0.43362	0.134902	0.00349	0.302034
0.048484	0.29577	0.181127	8.27E-05	0.090615	0.05035	0.18493	5.81E-05	0.437584
-0.02975	0.52136	-0.22218	1.24E-06	-0.13287	0.00402	-0.22138	1.36E-06	-0.35618
0.037774	0.41541	0.178656	0.0001	0.066071	0.154	0.218981	1.77E-06	0.389162
0.098766	0.03285	0.220423	1.51E-06	0.15554	0.00074	0.186416	5.05E-05	0.520314
-0.02358	0.61132	0.060741	0.19009	0.019122	0.68023	0.054545	0.23942	0.267852
0.037755	0.41564	0.227761	6.55E-07	0.114357	0.01341	0.246937	6.45E-08	0.510862
0.033967	0.464	-0.0862	0.06269	-0.019	0.68211	-0.10205	0.02744	-0.19961
0.076831	0.09725	-0.13443	0.00361	-0.0317	0.49433	-0.18544	5.54E-05	-0.3016
0.017423	0.70727	0.167366	0.00028	0.088074	0.05719	0.178929	0.0001	0.330361
0.071735	0.12161	0.225352	8.64E-07	0.099676	0.03127	0.280439	6.90E-10	0.446677
-0.01967	0.67162	0.107576	0.02006	0.03754	0.41831	0.101725	0.02794	0.277784
0.031813	0.49283	0.125806	0.00648	0.070196	0.12984	0.121669	0.00849	0.330223
0.056117	0.22613	0.269349	3.32E-09	0.125224	0.00674	0.295397	7.40E-11	0.542652
0.03459	0.45584	0.169168	0.00024	0.071705	0.12177	0.186933	4.81E-05	0.364527
-0.02296	0.62064	0.140098	0.00241	0.051168	0.2698	0.153603	0.00087	0.374264
0.072858	0.11587	0.263652	7.25E-09	0.125535	0.0066	0.298528	4.56E-11	0.480499
0.08262	0.07447	-0.10973	0.01769	-0.00312	0.94638	-0.16127	0.00047	-0.26022
0.059883	0.19644	0.318551	1.79E-12	0.135789	0.00328	0.375017	4.83E-17	0.582367
-0.00469	0.91943	-0.11459	0.01322	-0.03732	0.42108	-0.1264	0.00623	-0.26368
0.004434	0.92387	-0.1475	0.00139	-0.06391	0.16794	-0.17457	0.00015	-0.21903
0.021697	0.64001	0.188142	4.29E-05	0.119166	0.00995	0.177649	0.00011	0.351994
-0.07335	0.11343	-0.18076	8.56E-05	-0.10773	0.01988	-0.18513	5.70E-05	-0.27917

-0.01382	0.76577	0.099439	0.03168	0.00944	0.83878	0.137974	0.00281	0.250969
0.045405	0.32753	0.193686	2.51E-05	0.105246	0.02293	0.195633	2.07E-05	0.380684
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0.02697	0.56099	0.208365	5.61E-06	0.100371	0.03011	0.220827	1.44E-06	0.426475
0.044584	0.33636	0.207261	6.30E-06	0.096876	0.03637	0.211942	3.83E-06	0.467595
0.147833	0.00136	-0.08565	0.06441	0.044686	0.33527	-0.1423	0.00205	-0.25192
0.135895	0.00326	0.160263	0.00051	0.137764	0.00285	0.127475	0.0058	0.277566
0.007014	0.87985	0.07515	0.10481	0.029908	0.51911	0.083371	0.07187	0.293766
0.113367	0.01424	0.104017	0.02458	0.083406	0.07175	0.094821	0.04054	0.197798
0.018443	0.69099	0.160815	0.00049	0.078971	0.08826	0.165511	0.00033	0.288819
0.051572	0.26604	0.179315	9.77E-05	0.130199	0.00483	0.151219	0.00105	0.375545
-0.08856	0.05583	0.064466	0.16427	-0.0111	0.81099	0.0881	0.05711	0.2506
-0.0149	0.7481	0.163303	0.0004	0.066613	0.15065	0.19433	2.35E-05	0.341041
-0.06056	0.19139	-0.21825	1.92E-06	-0.09972	0.0312	-0.24725	6.19E-08	-0.4487
-0.05913	0.20213	0.049029	0.29037	-0.01282	0.78231	0.065275	0.15903	0.257779
0.014495	0.75473	0.065741	0.15607	0.028028	0.54572	0.07256	0.11737	0.245458
0.086544	0.06166	-0.20026	1.30E-05	-0.05194	0.26267	-0.25029	4.21E-08	-0.4153
-0.05542	0.23195	0.075239	0.1044	-0.00728	0.87532	0.10315	0.02581	0.230169
0.089097	0.05434	0.23337	3.39E-07	0.140879	0.00228	0.224832	9.17E-07	0.423262
0.281897	5.58E-10	0.380243	1.64E-17	0.312754	4.69E-12	0.312783	4.66E-12	0.357927
0.102194	0.02722	0.257625	1.62E-08	0.166389	0.0003	0.237885	1.97E-07	0.408178
-0.0109	0.81427	0.130156	0.00485	0.054086	0.2434	0.145178	0.00166	0.21741
0.052552	0.25705	0.265994	5.27E-09	0.140468	0.00235	0.268262	3.86E-09	0.620673
-0.01932	0.67714	0.10907	0.01839	0.027875	0.54791	0.156369	0.0007	0.252243
0.002877	0.95056	-0.18672	4.91E-05	-0.07186	0.12097	-0.22283	1.15E-06	-0.36407
-0.03633	0.43352	0.137366	0.00293	0.048797	0.29266	0.155949	0.00072	0.358534
-0.02623	0.57177	0.110092	0.01731	0.034353	0.45894	0.121136	0.00878	0.34451
-0.0105	0.82098	0.25403	2.60E-08	0.128341	0.00548	0.256879	1.79E-08	0.439712
-0.00082	0.98581	0.163524	0.00039	0.072499	0.11768	0.180086	9.10E-05	0.291121
0.050709	0.27413	0.178594	0.0001	0.091828	0.04734	0.175187	0.00014	0.463585
0.002986	0.94869	0.126381	0.00624	0.033601	0.46883	0.162301	0.00043	0.324775
0.045211	0.32961	0.225651	8.35E-07	0.106217	0.02169	0.256594	1.86E-08	0.445255
0.024896	0.59151	0.147853	0.00135	0.078686	0.08941	0.139446	0.00253	0.246887
-0.06997	0.13109	0.039097	0.39925	-0.01415	0.76042	0.052543	0.25713	0.119874
0.016068	0.7291	0.095568	0.03898	0.032833	0.47905	0.102864	0.02623	0.226584
-0.03285	0.47877	0.04032	0.38466	0.00874	0.85059	0.050715	0.27408	0.19388
0.006337	0.89137	0.210358	4.54E-06	0.084616	0.06771	0.243353	1.01E-07	0.418553
0.08638	0.06216	-0.11566	0.01238	-0.01711	0.71222	-0.15018	0.00113	-0.27254
-0.00779	0.86672	-0.17211	0.00019	-0.06048	0.19202	-0.20788	5.91E-06	-0.39283
0.070077	0.13049	0.256088	1.99E-08	0.141389	0.00219	0.260801	1.06E-08	0.555693
0.172781	0.00018	0.248789	5.10E-08	0.241269	1.31E-07	0.165803	0.00032	0.413009
0.064029	0.16716	0.243533	9.87E-08	0.155052	0.00077	0.214967	2.76E-06	0.559463
-0.02518	0.58729	-0.23251	3.76E-07	-0.08507	0.06625	-0.2662	5.13E-09	-0.4392
-0.02627	0.57126	0.070171	0.12997	0.020982	0.65108	0.08154	0.07836	0.153277
-0.05549	0.23134	0.031078	0.50288	-0.01097	0.81303	0.043929	0.34352	0.194521

0.034981	0.45076	0.156279	0.0007	0.090922	0.04957	0.151133	0.00105	0.376965
-0.02626	0.57136	0.113411	0.0142	0.011353	0.80669	0.142641	0.002	0.278498
0.041409	0.37195	0.2146	2.87E-06	0.160145	0.00051	0.181624	7.90E-05	0.27828
0.030693	0.50819	0.098424	0.03347	0.045386	0.32774	0.106879	0.02088	0.192437
0.027369	0.55521	0.177751	0.00011	0.064905	0.16141	0.205389	7.66E-06	0.333725
-0.02707	0.55948	0.160288	0.00051	0.0331	0.47549	0.197845	1.66E-05	0.428971
-0.02265	0.62532	0.137899	0.00282	0.042379	0.36084	0.149741	0.00117	0.393909
0.005736	0.90162	0.17587	0.00013	0.072853	0.1159	0.189902	3.62E-05	0.410785
0.021721	0.63964	-0.13513	0.00344	-0.04055	0.38189	-0.16992	0.00023	-0.31087
0.047602	0.30465	-0.13527	0.0034	-0.0344	0.45832	-0.17592	0.00013	-0.36594
-0.06965	0.13288	0.046172	0.31942	0.016729	0.71842	0.02855	0.53826	0.130878
-0.00654	0.88791	0.076223	0.09993	0.03947	0.39477	0.089352	0.05366	0.232519
-0.02904	0.53127	-0.2318	4.08E-07	-0.11129	0.01613	-0.25958	1.25E-08	-0.50413
-0.09268	0.04531	0.109846	0.01757	0.004351	0.92529	0.143101	0.00193	0.288611
-0.01916	0.67961	0.070628	0.12748	0.020756	0.6546	0.083949	0.06991	0.126904
0.029898	0.51924	0.242389	1.14E-07	0.101001	0.02908	0.268908	3.53E-09	0.554194
0.087864	0.05778	0.18513	5.70E-05	0.130412	0.00476	0.167755	0.00027	0.387096
0.066498	0.15135	0.29258	1.14E-10	0.134934	0.00348	0.33365	1.32E-13	0.566562
0.027508	0.5532	0.251393	3.65E-08	0.111071	0.01634	0.276473	1.22E-09	0.553964
-0.01319	0.77623	0.118299	0.01051	0.05643	0.22354	0.120757	0.009	0.268317
-0.0222	0.63231	0.159873	0.00052	0.032037	0.48978	0.200219	1.30E-05	0.400512
0.045288	0.32879	0.240205	1.49E-07	0.095337	0.03945	0.279707	7.67E-10	0.468902
0.003261	0.94398	0.172667	0.00018	0.087023	0.06023	0.194713	2.26E-05	0.402899
0.016918	0.71537	0.123882	0.00736	0.028215	0.54305	0.163123	0.0004	0.3025
-0.07487	0.10611	0.036051	0.43702	-0.01671	0.71869	0.073255	0.11389	0.159712
-0.01798	0.69832	0.060208	0.19401	0.028871	0.5337	0.05891	0.20382	0.216053
0.009929	0.83055	0.118226	0.01056	0.061166	0.187	0.119805	0.00956	0.279043
-0.05333	0.25004	0.103964	0.02466	0.016915	0.71543	0.133345	0.00389	0.233137
-0.04926	0.28811	0.038421	0.40746	-0.01315	0.77692	0.06184	0.18218	0.11137
-0.0466	0.31496	0.140793	0.00229	0.034453	0.45763	0.170533	0.00021	0.262189
-0.00745	0.8724	0.157869	0.00062	0.027363	0.5553	0.210551	4.45E-06	0.273083
-0.00323	0.94459	0.083871	0.07017	0.019038	0.68155	0.102006	0.02751	0.250715
0.044931	0.33262	0.112639	0.01488	0.065025	0.16064	0.102312	0.02705	0.246248
0.015887	0.73203	0.130617	0.0047	0.043334	0.3501	0.157075	0.00066	0.35862
0.014808	0.74961	0.096399	0.0373	0.046303	0.31805	0.091083	0.04917	0.216924
-0.00248	0.95731	-0.17927	9.81E-05	-0.09948	0.0316	-0.17035	0.00022	-0.39913
0.059323	0.20066	0.148157	0.00132	0.062772	0.17567	0.169693	0.00023	0.352793
0.100574	0.02977	-0.13163	0.00438	-0.01262	0.7857	-0.16936	0.00024	-0.33301
0.074267	0.10897	0.238549	1.82E-07	0.132188	0.00422	0.232306	3.85E-07	0.480097
0.019762	0.67015	-0.15294	0.00091	-0.04748	0.30592	-0.17983	9.32E-05	-0.34596
-0.07354	0.11249	0.112663	0.01486	0.018703	0.68685	0.131165	0.00452	0.3419
-0.01677	0.71775	0.153048	0.00091	0.053382	0.2496	0.182963	6.98E-05	0.399879
0.016013	0.73	0.087308	0.05939	0.071695	0.12182	0.039247	0.39745	0.142817
0.076084	0.10055	0.265093	5.96E-09	0.141045	0.00225	0.277457	1.06E-09	0.443541
0.122646	0.00797	0.148347	0.0013	0.114357	0.01341	0.123094	0.00774	0.275394

0.029606	0.52333	0.21079	4.33E-06	0.068655	0.13849	0.26363	7.27E-09	0.383327
0.062883	0.1749	0.274878	1.53E-09	0.115743	0.01232	0.31089	6.36E-12	0.553602
-0.11153	0.0159	-0.26728	4.42E-09	-0.12238	0.00811	-0.29892	4.29E-11	-0.48222
0.103132	0.02584	0.243204	1.03E-07	0.129351	0.00512	0.246932	6.45E-08	0.42418
0.027556	0.55251	0.095545	0.03902	0.043717	0.34586	0.089872	0.05227	0.247562
-0.04233	0.36139	-0.1669	0.00029	-0.09953	0.03153	-0.16983	0.00023	-0.33448
-0.04174	0.36817	0.118315	0.0105	-0.00324	0.94424	0.171325	0.0002	0.309041
-0.10448	0.02394	-0.18719	4.69E-05	-0.1223	0.00815	-0.17363	0.00016	-0.31163
0.081625	0.07804	0.167141	0.00029	0.106529	0.02131	0.153171	0.0009	0.269294
0.004698	0.91935	0.029809	0.52048	-0.00542	0.90701	0.047897	0.30165	0.195699
-0.06381	0.16865	-0.20451	8.40E-06	-0.10756	0.02008	-0.2151	2.72E-06	-0.40361
-0.00148	0.97455	0.177345	0.00012	0.062604	0.17683	0.19976	1.37E-05	0.374985
-0.02609	0.57391	0.097648	0.0349	0.020013	0.66619	0.105498	0.0226	0.270592
-0.01348	0.77142	0.13125	0.0045	0.039453	0.39497	0.153051	0.00091	0.354741
-0.04401	0.34265	0.114504	0.01329	0.033627	0.46849	0.136587	0.0031	0.268699
-0.13176	0.00434	0.035496	0.44412	-0.01595	0.73101	0.060357	0.19291	0.159655
0.054207	0.24235	0.209927	4.75E-06	0.106035	0.02192	0.218743	1.82E-06	0.431648
0.093276	0.04394	0.291328	1.38E-10	0.195787	2.04E-05	0.263136	7.78E-09	0.548608
0.039247	0.39745	0.198483	1.55E-05	0.097138	0.03586	0.204796	8.15E-06	0.496649
-0.0192	0.67896	0.123159	0.00771	0.043677	0.3463	0.133662	0.00381	0.279381
-0.03343	0.47107	0.129679	0.005	0.029185	0.52925	0.141508	0.00217	0.342926
0.105288	0.02287	0.239787	1.57E-07	0.135286	0.0034	0.248105	5.56E-08	0.497334
0.015526	0.73789	0.214276	2.98E-06	0.10273	0.02642	0.220965	1.42E-06	0.426174
0.028279	0.54212	0.204108	8.75E-06	0.094026	0.04226	0.225255	8.74E-07	0.438677
0.032803	0.47946	0.188758	4.04E-05	0.088928	0.05481	0.199502	1.40E-05	0.38769
-0.0615	0.1846	-0.27814	9.62E-10	-0.11022	0.01718	-0.32672	4.45E-13	-0.50072
-0.01327	0.77489	0.106027	0.02193	0.02959	0.52355	0.129489	0.00507	0.285211
-0.00043	0.99269	0.166095	0.00031	0.055414	0.232	0.184154	6.25E-05	0.421089
-0.0156	0.73667	0.193513	2.55E-05	0.067933	0.1427	0.221402	1.35E-06	0.441981
0.025523	0.5822	0.179791	9.35E-05	0.087609	0.05852	0.181159	8.25E-05	0.46984
0.101819	0.0278	0.294638	8.31E-11	0.158164	0.0006	0.314488	3.52E-12	0.570648
-0.06474	0.16248	0.056379	0.22396	0.023768	0.60842	0.044082	0.34184	0.189351
0.00189	0.96751	0.18873	4.05E-05	0.077714	0.09346	0.20362	9.21E-06	0.409284
-0.01741	0.70742	-0.16979	0.00023	-0.04539	0.32773	-0.21914	1.74E-06	-0.31339
-0.06121	0.18671	0.078862	0.0887	-0.01064	0.81862	0.122824	0.00788	0.21269
-0.05362	0.24746	0.033737	0.46703	0.011699	0.80092	0.038758	0.40336	0.065254
-0.02752	0.55306	-0.11754	0.01102	-0.04109	0.37562	-0.14071	0.00231	-0.2656
-0.0316	0.49574	0.093325	0.04382	0.027916	0.54732	0.105784	0.02224	0.242854
-0.00468	0.91963	0.191571	3.08E-05	0.076003	0.10092	0.216491	2.34E-06	0.349066
0.030359	0.51282	0.103189	0.02575	0.046661	0.31432	0.108758	0.01872	0.184547
0.021233	0.64719	0.111824	0.01562	0.042332	0.36137	0.110606	0.0168	0.317374
-0.02198	0.63566	0.109184	0.01826	0.051371	0.26791	0.109309	0.01813	0.322028
-0.05316	0.25154	0.142078	0.00209	0.020244	0.66258	0.187735	4.46E-05	0.321098
-0.04484	0.33365	0.029646	0.52277	0.012093	0.79436	0.011769	0.79976	0.106542
0.061861	0.18203	0.208645	5.44E-06	0.117896	0.01078	0.203869	8.97E-06	0.345307

-0.0475	0.30565	0.113442	0.01417	0.006048	0.89629	0.167878	0.00027	0.200941
-0.10025	0.0303	0.057256	0.21682	-0.02321	0.6168	0.092027	0.04685	0.219155
0.005247	0.90996	0.125417	0.00665	0.025502	0.58252	0.17041	0.00022	0.305542
-0.06211	0.18024	0.050867	0.27264	-0.02448	0.59771	0.090783	0.04992	0.213165
-0.01587	0.73238	0.195855	2.02E-05	0.048564	0.29497	0.248947	5.00E-08	0.370039
-0.07593	0.10126	0.023623	0.61061	-0.03093	0.50497	0.039936	0.38921	0.14179
-0.03672	0.42855	0.045537	0.32613	-0.01851	0.68989	0.079612	0.0857	0.124771
-0.10846	0.01905	-0.12418	0.00721	-0.05519	0.23394	-0.13617	0.00319	-0.27142
-0.02136	0.64528	0.10085	0.02932	0.011488	0.80444	0.141566	0.00217	0.1881
-0.05559	0.2305	0.031548	0.49644	0.01461	0.75284	0.017185	0.71107	0.139119
-0.02692	0.56167	0.100609	0.02972	0.039504	0.39436	0.108693	0.0188	0.245758
-0.02952	0.52454	0.122308	0.00815	0.010819	0.81563	0.159696	0.00053	0.290841
0.002182	0.96249	0.151829	0.001	0.084292	0.06877	0.164526	0.00036	0.329843
-0.05623	0.22518	0.041044	0.37617	0.032498	0.48356	0.019551	0.67345	0.109769
0.049228	0.28841	0.184865	5.85E-05	0.074684	0.10699	0.201234	1.18E-05	0.462681
-0.00229	0.96064	0.109589	0.01783	0.046731	0.3136	0.10997	0.01744	0.336694
0.046043	0.32078	0.209476	4.98E-06	0.078901	0.08854	0.24443	8.83E-08	0.354127
0.187205	4.69E-05	0.227814	6.51E-07	0.213473	3.25E-06	0.165189	0.00034	0.409515
-0.05232	0.25919	0.096924	0.03627	0.017262	0.70985	0.11339	0.01422	0.25097
-0.02801	0.54594	0.123696	0.00745	0.02262	0.62585	0.161895	0.00044	0.312972
0.013695	0.76787	0.127453	0.00581	0.066995	0.14831	0.134727	0.00353	0.212822
-0.00216	0.96289	0.160752	0.00049	0.070535	0.12799	0.180265	8.96E-05	0.296069
0.06124	0.18647	-0.06595	0.15473	-0.01187	0.79809	-0.08292	0.07341	-0.1666
0.006761	0.88414	0.088776	0.05522	0.036576	0.43037	0.102577	0.02665	0.230739
-0.05551	0.23118	0.057926	0.21149	0.00638	0.89064	0.058598	0.20623	0.275688
0.002254	0.96126	-0.11303	0.01453	-0.01275	0.7834	-0.15288	0.00092	-0.25985
-0.01481	0.7495	-0.15408	0.00084	-0.11265	0.01486	-0.15273	0.00093	-0.32469
0.009788	0.83292	-0.10239	0.02693	-0.03366	0.46806	-0.1109	0.01651	-0.29239
-0.00531	0.90894	0.143883	0.00183	0.076258	0.09978	0.147487	0.00139	0.335157
0.004442	0.92374	-0.12432	0.00715	-0.00804	0.86248	-0.19034	3.47E-05	-0.29296
0.077657	0.0937	0.05386	0.24538	0.045753	0.32383	0.046142	0.31974	0.140189
-0.0015	0.97417	-0.13427	0.00365	-0.03847	0.40681	-0.16367	0.00038	-0.30817
-0.0674	0.14588	0.086889	0.06063	0.013635	0.76884	0.104728	0.02361	0.269739
0.090451	0.05077	0.237416	2.09E-07	0.153955	0.00084	0.23091	4.54E-07	0.447202
-0.04361	0.34701	0.079694	0.08537	0.002147	0.9631	0.095651	0.03881	0.22618
0.028162	0.5438	0.242334	1.14E-07	0.106694	0.02111	0.274343	1.65E-09	0.445499
-0.06198	0.18118	-0.00342	0.9413	-0.04591	0.32222	0.023744	0.60878	0.079894
0.032722	0.48055	0.148083	0.00133	0.07364	0.112	0.162887	0.00041	0.347844
-0.02617	0.5727	0.135025	0.00346	0.025062	0.58904	0.185798	5.35E-05	0.379981
-0.02838	0.54066	-0.20677	6.63E-06	-0.10569	0.02235	-0.21535	2.65E-06	-0.36187
-0.04983	0.28258	-0.25723	1.71E-08	-0.14867	0.00127	-0.26981	3.12E-09	-0.46891
0.080315	0.08296	0.163242	0.0004	0.109844	0.01757	0.157059	0.00066	0.27786
0.107838	0.01976	0.260441	1.12E-08	0.172957	0.00017	0.251866	3.44E-08	0.397428
0.02095	0.65158	0.138744	0.00266	0.044029	0.34242	0.16955	0.00023	0.278508
-0.00092	0.98419	0.158443	0.00059	0.065461	0.15785	0.181257	8.18E-05	0.317773

-0.06078	0.18981	-0.25482	2.34E-08	-0.16484	0.00035	-0.25068	4.00E-08	-0.44053
0.051574	0.26602	-0.02821	0.54314	0.018639	0.68787	-0.05604	0.22679	-0.1524
0.040569	0.38173	0.232394	3.81E-07	0.115376	0.0126	0.257614	1.63E-08	0.506711
0.080648	0.08169	-0.12634	0.00626	-0.0129	0.78104	-0.14977	0.00117	-0.27996
0.077306	0.09519	0.265276	5.82E-09	0.138143	0.00277	0.283961	4.13E-10	0.486077
0.022389	0.62939	0.232586	3.72E-07	0.101588	0.02815	0.254181	2.55E-08	0.477668
0.062078	0.1805	0.131853	0.00431	0.068622	0.13869	0.142971	0.00195	0.284843
-0.0297	0.52202	0.127802	0.00568	0.012591	0.78609	0.180569	8.71E-05	0.341846
0.027395	0.55483	0.17327	0.00017	0.072244	0.11898	0.19486	2.23E-05	0.389428
0.039107	0.39913	0.164692	0.00035	0.076986	0.09658	0.190599	3.38E-05	0.38791
-0.02236	0.62976	0.086169	0.0628	0.011557	0.80329	0.121272	0.00871	0.204898
0.019791	0.66969	0.151144	0.00105	0.081399	0.07888	0.163898	0.00038	0.294638
0.046877	0.31208	0.232143	3.92E-07	0.136382	0.00315	0.23507	2.77E-07	0.48717
0.021006	0.6507	0.142232	0.00206	0.063137	0.17317	0.164812	0.00035	0.325185
0.053351	0.24987	0.268649	3.66E-09	0.125032	0.00682	0.291623	1.32E-10	0.517648
0.02253	0.62722	0.199081	1.46E-05	0.079314	0.08688	0.223437	1.08E-06	0.437642
0.039393	0.39569	0.161403	0.00046	0.061109	0.18741	0.186295	5.11E-05	0.256391
0.151533	0.00102	0.308267	9.73E-12	0.200098	1.32E-05	0.320656	1.26E-12	0.390809
0.007667	0.86876	0.137324	0.00294	0.081747	0.0776	0.113212	0.01437	0.301524
-0.10142	0.02842	0.043008	0.35374	-0.02309	0.61864	0.072955	0.11539	0.241444
-0.02848	0.53929	0.128624	0.00537	0.027126	0.55872	0.157001	0.00066	0.336613
-0.03843	0.40733	0.079906	0.08454	0.026527	0.56744	0.076671	0.09795	0.24244
0.049397	0.28675	0.213833	3.12E-06	0.098412	0.03349	0.22774	6.56E-07	0.470115
0.017822	0.70087	0.132525	0.00412	0.042789	0.35621	0.153891	0.00085	0.337443
-0.02222	0.63196	0.114233	0.01351	0.042134	0.36363	0.128875	0.00528	0.278011
-0.03355	0.46951	0.023988	0.6051	-0.01205	0.79502	0.030745	0.50747	0.082142
-0.00853	0.85415	0.130962	0.00459	0.053029	0.25275	0.14131	0.00221	0.334265
-0.006	0.89717	0.146286	0.00153	0.058772	0.20488	0.160244	0.00051	0.405483
0.010876	0.81467	0.223806	1.03E-06	0.097497	0.03518	0.240041	1.52E-07	0.49939
0.057605	0.21404	0.237803	1.99E-07	0.11837	0.01046	0.244057	9.25E-08	0.554578
0.047189	0.30887	0.19162	3.07E-05	0.073761	0.11141	0.24047	1.44E-07	0.402302
-0.06221	0.17958	0.104747	0.02359	0.02475	0.59369	0.11692	0.01145	0.301074
0.024631	0.59546	0.175395	0.00014	0.091612	0.04786	0.183738	6.50E-05	0.374253
0.00471	0.91914	0.163123	0.0004	0.068287	0.14063	0.176226	0.00013	0.339397
0.032405	0.48481	0.27278	2.06E-09	0.120616	0.00908	0.312317	5.03E-12	0.533339
-0.0002	0.99654	0.105042	0.0232	0.034505	0.45694	0.12009	0.00939	0.334096
-0.04492	0.33272	-0.093	0.04458	-0.06427	0.16556	-0.07733	0.09509	-0.19451
-0.02922	0.52883	0.03651	0.4312	-0.00455	0.9219	0.047173	0.30903	0.151156
-0.00706	0.87904	0.161552	0.00046	0.057462	0.21518	0.176747	0.00012	0.376463
-0.00413	0.92912	0.118824	0.01017	0.037086	0.42397	0.130696	0.00467	0.295163
0.057383	0.21581	0.167139	0.00029	0.074528	0.10773	0.18148	8.01E-05	0.421609
-0.0407	0.38025	0.121433	0.00862	0.022416	0.62897	0.151679	0.00101	0.36841
-0.04004	0.388	0.0637	0.16936	0.000952	0.98363	0.086696	0.0612	0.217329
0.106226	0.02168	0.200469	1.27E-05	0.131139	0.00453	0.177017	0.00012	0.333045
-0.01099	0.8127	0.121117	0.00879	0.040839	0.37857	0.144519	0.00174	0.321354



-0.03958	0.39351	0.129039	0.00523	0.017081	0.71275	0.167133	0.00029	0.380443
0.045247	0.32923	0.227234	6.96E-07	0.105073	0.02316	0.245389	7.83E-08	0.405673
-0.07477	0.10657	0.118759	0.01021	0.028663	0.53666	0.138081	0.00279	0.329788
0.031876	0.49197	0.110638	0.01676	0.068455	0.13965	0.093613	0.04317	0.266047
0.022129	0.63337	0.24789	5.71E-08	0.094581	0.04105	0.289465	1.82E-10	0.463688
-0.02247	0.62812	0.093016	0.04453	0.037677	0.41661	0.092691	0.04528	0.216004
0.061005	0.18817	0.223509	1.07E-06	0.106795	0.02098	0.237344	2.11E-07	0.48681
0.047689	0.30377	0.085355	0.06534	0.051367	0.26795	0.071574	0.12245	0.212365
0.060198	0.19409	0.127371	0.00584	0.07961	0.08571	0.114753	0.01309	0.237832
-0.06686	0.14916	0.162641	0.00042	-0.00261	0.95518	0.231503	4.23E-07	0.433076
0.002101	0.96388	0.142638	0.002	0.067213	0.14699	0.144711	0.00172	0.338274
0.053808	0.24583	0.175068	0.00014	0.08121	0.07958	0.184335	6.14E-05	0.306744
0.008227	0.85927	0.157819	0.00062	0.041244	0.37386	0.200442	1.27E-05	0.35063
0.037043	0.4245	0.060645	0.19079	0.098708	0.03296	-0.01175	0.80001	-0.01664
0.083319	0.07205	0.153799	0.00085	0.064325	0.1652	0.180766	8.55E-05	0.30845
0.130172	0.00484	0.185375	5.57E-05	0.110203	0.0172	0.188188	4.27E-05	0.355789
-0.03871	0.40397	0.094531	0.04116	0.033201	0.47415	0.085752	0.06409	0.192772
0.006707	0.88507	0.14377	0.00184	0.053815	0.24578	0.16573	0.00032	0.358264
0.005153	0.91157	0.143048	0.00194	0.058044	0.21056	0.15069	0.00109	0.318303
-0.01001	0.82914	-0.08619	0.06275	-0.02397	0.60537	-0.11467	0.01315	-0.23666
-0.06189	0.18186	-0.15639	0.0007	-0.08916	0.05418	-0.15987	0.00052	-0.30454
0.008385	0.85659	0.050445	0.27664	0.018856	0.68443	0.044714	0.33496	0.099412
-0.03899	0.40056	0.076474	0.09882	0.008327	0.85757	0.111797	0.01565	0.185495
0.053013	0.25289	0.21885	1.80E-06	0.108344	0.01918	0.227467	6.78E-07	0.425466
0.144528	0.00174	0.263524	7.38E-09	0.153995	0.00084	0.28173	5.72E-10	0.399445
-0.01844	0.69107	0.173526	0.00016	0.038006	0.41255	0.22473	9.28E-07	0.418461
-0.00301	0.94828	0.171025	0.0002	0.092076	0.04674	0.156192	0.00071	0.369669
-0.00384	0.93411	0.163012	0.0004	0.061822	0.18231	0.174266	0.00015	0.408473
0.077188	0.0957	-0.06551	0.1575	0.026135	0.57319	-0.11234	0.01514	-0.15894
-0.04326	0.35097	-0.18847	4.15E-05	-0.09792	0.03439	-0.21157	3.99E-06	-0.331
-0.027	0.56058	0.144866	0.0017	0.041405	0.37199	0.177235	0.00012	0.34548
0.028083	0.54494	0.190199	3.52E-05	0.112296	0.01519	0.186052	5.23E-05	0.494528
0.002538	0.95639	0.194046	2.42E-05	0.081554	0.0783	0.223096	1.12E-06	0.435541
0.034118	0.46201	-0.17391	0.00016	-0.03495	0.45119	-0.22495	9.05E-07	-0.29875
-0.01542	0.73963	0.029693	0.52211	0.0086	0.85294	0.026195	0.5723	0.161161
-0.01021	0.82586	0.09341	0.04363	0.038919	0.40141	0.093141	0.04424	0.216459
0.06164	0.1836	0.15351	0.00087	0.089452	0.05339	0.14928	0.00121	0.323973
-0.04146	0.37141	0.036394	0.43266	-0.00576	0.90115	0.043869	0.34418	0.114935
0.000737	0.98733	-0.14141	0.00219	-0.07335	0.11341	-0.16266	0.00042	-0.31234
0.043726	0.34576	-0.08045	0.08246	0.022693	0.62474	-0.15356	0.00087	-0.1757
0.07161	0.12226	0.220117	1.56E-06	0.124154	0.00723	0.225665	8.34E-07	0.43169
-0.02599	0.57533	0.145823	0.00158	0.057994	0.21095	0.151348	0.00104	0.349735
0.019826	0.66913	0.146401	0.00151	0.071635	0.12214	0.160858	0.00048	0.369619
-0.03425	0.46028	0.101847	0.02775	0.003605	0.93808	0.132171	0.00422	0.288996
0.018397	0.69172	0.16541	0.00033	0.072685	0.11674	0.175627	0.00014	0.42843

0.077212	0.0956	0.118474	0.01039	0.060365	0.19285	0.11443	0.01335	0.271083
0.006051	0.89625	0.135831	0.00327	0.04293	0.35462	0.176288	0.00013	0.265166
0.011573	0.80303	0.211468	4.03E-06	0.096368	0.03736	0.230611	4.70E-07	0.493254
-0.03829	0.40902	0.068067	0.14191	0.007646	0.8691	0.088193	0.05685	0.200705
-0.01625	0.7261	0.097813	0.03459	0.052357	0.25882	0.084486	0.06813	0.14564
-0.0378	0.41511	0.051386	0.26777	0.027773	0.54938	0.051167	0.26981	0.186388
0.088507	0.05597	0.210783	4.34E-06	0.102258	0.02713	0.236661	2.29E-07	0.474705
0.101951	0.02759	0.227077	7.09E-07	0.120225	0.00931	0.219877	1.61E-06	0.483587
0.063135	0.17318	0.206866	6.57E-06	0.105752	0.02228	0.210039	4.70E-06	0.402223
-0.02152	0.64273	0.153875	0.00085	0.046653	0.3144	0.16855	0.00025	0.333201
0.0445	0.33728	0.248177	5.51E-08	0.122221	0.00819	0.25855	1.44E-08	0.487905
-0.01849	0.69027	0.145805	0.00158	0.071693	0.12183	0.145326	0.00164	0.352841
0.023121	0.61822	0.077328	0.0951	0.059262	0.20112	0.065251	0.15919	0.212593
0.069124	0.13582	0.229426	5.40E-07	0.130925	0.0046	0.252741	3.07E-08	0.366355
-0.00563	0.90343	-0.19369	2.50E-05	-0.07204	0.12002	-0.21947	1.68E-06	-0.35526
0.009608	0.83594	0.215755	2.53E-06	0.093295	0.04389	0.233101	3.50E-07	0.47342
0.022712	0.62444	0.193417	2.57E-05	0.083736	0.07063	0.225762	8.25E-07	0.421887
-0.08928	0.05385	-0.02128	0.64639	-0.04896	0.29104	-0.01317	0.77651	0.116871
0.033976	0.46389	0.138404	0.00272	0.087168	0.0598	0.141824	0.00213	0.107288
-0.01465	0.75219	0.061903	0.18174	0.005732	0.90168	0.07725	0.09543	0.172311
-0.03851	0.4064	0.054713	0.23797	-0.0044	0.92453	0.072238	0.11901	0.208277
0.045897	0.32232	0.15977	0.00053	0.129447	0.00508	0.127578	0.00576	0.2947
-0.07388	0.11083	0.009758	0.83342	-0.04728	0.30791	0.033768	0.46663	0.09117
-0.00619	0.89385	0.118914	0.01011	0.018787	0.68552	0.155914	0.00072	0.326457
0.018492	0.6902	-0.17402	0.00016	-0.04445	0.33781	-0.2087	5.41E-06	-0.39141
0.051094	0.2705	0.22378	1.03E-06	0.110677	0.01672	0.238977	1.73E-07	0.506752
0.04946	0.28614	0.198609	1.53E-05	0.116884	0.01148	0.200705	1.24E-05	0.375031
0.051965	0.26241	0.191556	3.08E-05	0.106887	0.02087	0.207359	6.24E-06	0.29978
-0.10126	0.02867	-0.31337	4.24E-12	-0.18751	4.55E-05	-0.31717	2.26E-12	-0.43488
0.051944	0.2626	0.248437	5.33E-08	0.121319	0.00868	0.275349	1.43E-09	0.473719
0.021675	0.64035	-0.10059	0.02975	-0.03585	0.43954	-0.10143	0.0284	-0.16577
0.025475	0.58291	0.119736	0.0096	0.050065	0.28028	0.147906	0.00135	0.31608
-0.03016	0.51556	0.106694	0.02111	0.048469	0.29591	0.108655	0.01884	0.245211
0.092645	0.04539	0.243936	9.39E-08	0.163193	0.0004	0.233888	3.19E-07	0.356688
-0.00961	0.83593	0.13357	0.00383	0.05622	0.22527	0.151616	0.00101	0.290723
0.04923	0.28839	0.177478	0.00012	0.076038	0.10076	0.185246	5.64E-05	0.308236
0.047572	0.30496	0.061853	0.18209	0.024691	0.59457	0.064171	0.16622	0.205377
0.050078	0.28015	0.186011	5.25E-05	0.078152	0.09162	0.213031	3.41E-06	0.365835
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-0.01811	0.69628	0.176152	0.00013	0.058296	0.20858	0.213999	3.07E-06	0.363615
-0.07993	0.08445	-0.24665	6.68E-08	-0.13116	0.00453	-0.26763	4.22E-09	-0.46931
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-0.04437	0.33868	-0.24441	8.85E-08	-0.12087	0.00894	-0.26155	9.63E-09	-0.44032
0.034214	0.46075	0.263819	7.09E-09	0.106501	0.02134	0.308232	9.79E-12	0.536648
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0.065895	0.15511	0.222704	1.17E-06	0.093825	0.0427	0.258894	1.37E-08	0.452343
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0.025224	0.58663	0.101951	0.02759	0.031314	0.49964	0.126024	0.00639	0.14356
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0.061516	0.18448	-0.14012	0.00241	-0.01542	0.7396	-0.20839	5.59E-06	-0.35702
0.00694	0.8811	0.126371	0.00625	0.035472	0.44442	0.15271	0.00093	0.295489
-0.07942	0.08644	0.105797	0.02222	0.011324	0.80718	0.127599	0.00576	0.248046
0.047789	0.30275	0.143992	0.00181	0.072086	0.11979	0.145757	0.00159	0.286897
-0.0861	0.06302	0.001207	0.97924	-0.02593	0.57625	0.012333	0.79039	0.05377
-0.02447	0.59784	-0.12739	0.00584	-0.09259	0.04551	-0.1299	0.00493	-0.23596
-0.03866	0.40456	-0.10212	0.02733	-0.04724	0.30832	-0.09752	0.03513	-0.21241
0.050421	0.27687	0.156062	0.00071	0.074348	0.10858	0.173291	0.00017	0.282166
0.004288	0.92637	0.202732	1.01E-05	0.059008	0.20307	0.25234	3.24E-08	0.518497
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0.021661	0.64057	0.162279	0.00043	0.072125	0.11959	0.16283	0.00041	0.350452
0.042703	0.35718	0.131196	0.00451	0.061201	0.18675	0.155119	0.00077	0.197766
0.007704	0.86813	0.068567	0.139	0.013741	0.7671	0.061247	0.18641	0.227561
-0.01714	0.71185	0.143142	0.00193	0.066562	0.15096	0.157494	0.00064	0.332577
-0.01568	0.73547	-0.1794	9.69E-05	-0.0785	0.09017	-0.2166	2.31E-06	-0.34176
0.01124	0.80858	0.140183	0.0024	0.06005	0.19519	0.14806	0.00133	0.323997
0.163909	0.00038	0.218705	1.83E-06	0.178336	0.00011	0.183662	6.54E-05	0.472056
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0.007857	0.86553	-0.17227	0.00018	-0.09514	0.03987	-0.19046	3.43E-05	-0.35903
0.076686	0.09789	0.174774	0.00015	0.10804	0.01953	0.180547	8.73E-05	0.334179
-0.00678	0.88386	0.144115	0.00179	0.066118	0.15371	0.153386	0.00088	0.382339
0.050714	0.27409	-0.16013	0.00051	-0.04503	0.33151	-0.1974	1.73E-05	-0.38148
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-0.05283	0.25451	-0.23718	2.15E-07	-0.11784	0.01081	-0.25851	1.44E-08	-0.38117
0.052337	0.259	-0.09415	0.04198	-0.00197	0.96611	-0.14341	0.00189	-0.25814
-0.01702	0.71376	0.177277	0.00012	0.061639	0.18361	0.201062	1.20E-05	0.444854
-0.03333	0.47237	0.112554	0.01495	0.036487	0.4315	0.142657	0.002	0.274196
-0.04026	0.38535	0.146362	0.00152	0.031891	0.49176	0.175963	0.00013	0.346976
0.001792	0.96919	0.15838	0.00059	0.066919	0.14878	0.168811	0.00025	0.382687
0.022155	0.63297	0.215906	2.49E-06	0.091749	0.04753	0.228628	5.92E-07	0.398144
0.071816	0.12119	0.232738	3.66E-07	0.170401	0.00022	0.195467	2.10E-05	0.420542
0.021931	0.63641	0.150484	0.00111	0.076606	0.09823	0.153123	0.0009	0.32535
-0.08675	0.06106	-0.25654	1.87E-08	-0.14988	0.00116	-0.26929	3.35E-09	-0.40283
0.03063	0.50906	0.244868	8.36E-08	0.114188	0.01355	0.263259	7.65E-09	0.475261
-0.01623	0.72654	0.133557	0.00384	0.026329	0.57034	0.170603	0.00021	0.338789
-0.04706	0.31019	0.059096	0.20239	0.019493	0.67437	0.04219	0.36299	0.128918
0.020685	0.65571	0.089778	0.05252	0.042415	0.36043	0.105295	0.02286	0.219984
0.109926	0.01748	0.163229	0.0004	0.085309	0.06548	0.189166	3.89E-05	0.321009

-0.01236	0.78995	0.195572	2.08E-05	0.060854	0.18927	0.232837	3.61E-07	0.429013
0.000107	0.99816	0.072296	0.11872	0.048916	0.29148	0.070716	0.12701	0.274929
0.12688	0.00604	-0.07146	0.12303	0.045851	0.32281	-0.13086	0.00462	-0.18494
0.001297	0.9777	0.123745	0.00742	0.052327	0.25909	0.119023	0.01004	0.326749
0.035943	0.4384	-0.14785	0.00135	-0.066	0.15446	-0.16146	0.00046	-0.31931
-0.00934	0.84051	0.190065	3.56E-05	0.064055	0.16699	0.22493	9.07E-07	0.453213
0.007275	0.8754	0.127804	0.00568	0.070318	0.12917	0.117634	0.01096	0.283889
0.052524	0.2573	-0.15744	0.00064	-0.02191	0.63669	-0.20572	7.40E-06	-0.35331
0.152611	0.00094	0.135226	0.00341	0.116612	0.01167	0.118234	0.01055	0.344121
0.094217	0.04184	0.240372	1.46E-07	0.127891	0.00565	0.255124	2.25E-08	0.477369
-0.1153	0.01266	-0.25095	3.87E-08	-0.13738	0.00293	-0.26358	7.33E-09	-0.50198
0.018827	0.6849	0.067944	0.14264	0.023855	0.60711	0.075738	0.10212	0.201381
0.014399	0.7563	-0.22261	1.18E-06	-0.07958	0.08583	-0.26548	5.66E-09	-0.45119
-0.05491	0.23627	-0.14519	0.00166	-0.04709	0.30985	-0.18484	5.86E-05	-0.33561
0.107494	0.02015	0.228905	5.73E-07	0.14288	0.00197	0.224258	9.79E-07	0.451608
0.090499	0.05064	0.140526	0.00234	0.10539	0.02274	0.117572	0.011	0.370917
0.010469	0.82149	0.162995	0.00041	0.068824	0.13752	0.179894	9.27E-05	0.43539
-0.01179	0.79944	0.146094	0.00155	0.079793	0.08499	0.13614	0.0032	0.355726
-0.03218	0.4878	0.130797	0.00464	0.038285	0.40912	0.158207	0.0006	0.291078
-0.0249	0.5915	0.125269	0.00672	0.034722	0.45412	0.14791	0.00135	0.303385
0.087104	0.05999	0.204628	8.29E-06	0.154925	0.00078	0.162797	0.00041	0.327025
0.014467	0.75518	0.088992	0.05463	0.040233	0.38568	0.088884	0.05493	0.259222
-0.1462	0.00154	-0.25686	1.80E-08	-0.15539	0.00075	-0.27725	1.09E-09	-0.44125
-0.04325	0.35105	0.072477	0.11779	0.004092	0.92973	0.088842	0.05504	0.187193
0.0976	0.03498	-0.07867	0.08947	0.019704	0.67104	-0.13829	0.00275	-0.21294
0.027691	0.55056	0.111016	0.01639	0.071789	0.12133	0.115321	0.01264	0.279314
0.028433	0.53992	0.242746	1.09E-07	0.1312	0.00451	0.24717	6.26E-08	0.494749
0.079325	0.08683	-0.17	0.00022	0.006778	0.88386	-0.26097	1.04E-08	-0.3646
0.035529	0.44369	-0.13641	0.00314	-0.03849	0.40659	-0.16811	0.00026	-0.32664
0.138567	0.00269	0.336337	8.17E-14	0.23592	2.50E-07	0.307846	1.04E-11	0.38287
-0.07177	0.12141	0.080997	0.08037	0.018497	0.69013	0.07918	0.08742	0.335899
-0.00052	0.99107	0.223368	1.08E-06	0.117982	0.01072	0.230692	4.65E-07	0.437389
-0.01852	0.68973	0.103224	0.0257	0.039972	0.38878	0.115726	0.01233	0.256239
-0.04369	0.34621	0.114911	0.01296	0.016368	0.72424	0.148082	0.00133	0.372463
0.051889	0.26311	0.204425	8.47E-06	0.105629	0.02243	0.20846	5.55E-06	0.486519
0.007877	0.86518	0.227286	6.92E-07	0.094308	0.04164	0.259399	1.28E-08	0.447549
0.06137	0.18553	-0.09904	0.03236	-0.0386	0.40534	-0.10046	0.02995	-0.30086
-0.02125	0.64696	0.148511	0.00129	0.048499	0.29562	0.158771	0.00057	0.279681
0.011624	0.80217	-0.0867	0.06119	-0.01536	0.74061	-0.11824	0.01055	-0.21664
0.077092	0.09612	0.260744	1.07E-08	0.153738	0.00086	0.270234	2.94E-09	0.528141
-0.0456	0.32543	0.130809	0.00463	0.023234	0.61651	0.158909	0.00057	0.359207
0.036637	0.4296	0.212855	3.47E-06	0.102613	0.0266	0.222994	1.13E-06	0.472108
0.109666	0.01775	0.10572	0.02232	0.085986	0.06336	0.075627	0.10262	0.200371
-0.04858	0.29476	-0.23278	3.64E-07	-0.12185	0.00839	-0.25342	2.81E-08	-0.46585
-0.02682	0.56321	-0.22469	9.32E-07	-0.11877	0.0102	-0.2345	2.96E-07	-0.43676

0.00865	0.8521	-0.16193	0.00044	-0.05003	0.28059	-0.20412	8.74E-06	-0.29825
0.003427	0.94113	0.181867	7.73E-05	0.078805	0.08893	0.20393	8.92E-06	0.428497
-0.01102	0.81233	0.08866	0.05554	0.033187	0.47433	0.074061	0.10996	0.201806
0.000904	0.98446	0.239098	1.70E-07	0.109836	0.01758	0.25037	4.17E-08	0.48358
0.004322	0.92579	0.142843	0.00197	0.050047	0.28046	0.160681	0.00049	0.396509
0.004349	0.92532	0.145109	0.00167	0.069518	0.13359	0.144378	0.00176	0.366575
0.02855	0.53826	0.21368	3.17E-06	0.101304	0.0286	0.225853	8.16E-07	0.393087
0.091194	0.04889	0.114178	0.01355	0.091434	0.0483	0.083843	0.07027	0.206101
-0.00915	0.84366	0.167868	0.00027	0.045498	0.32655	0.19866	1.53E-05	0.350413
-0.05624	0.22514	0.075194	0.10461	0.007464	0.87219	0.09249	0.04576	0.289541
0.08766	0.05837	0.214698	2.84E-06	0.137052	0.003	0.195355	2.12E-05	0.475345
0.022779	0.62343	0.143079	0.00194	0.074187	0.10935	0.142327	0.00205	0.314075
-0.01689	0.71581	0.142062	0.00209	0.075123	0.10494	0.122018	0.0083	0.337604
-0.05062	0.27499	0.072531	0.11752	-0.0039	0.93293	0.089095	0.05435	0.248053
0.03705	0.42442	0.182369	7.38E-05	0.092249	0.04632	0.18126	8.17E-05	0.408762
0.077192	0.09569	0.130601	0.0047	0.0637	0.16936	0.151191	0.00105	0.256532
0.171919	0.00019	0.227916	6.43E-07	0.160271	0.00051	0.215692	2.55E-06	0.350235
-0.17913	9.94E-05	0.000686	0.9882	-0.0956	0.03892	0.074377	0.10845	0.122662
0.072565	0.11735	-0.00112	0.98082	0.059961	0.19585	-0.04338	0.34965	-0.11688
0.085298	0.06551	0.297793	5.11E-11	0.161348	0.00046	0.302105	2.60E-11	0.546917
-0.02168	0.64022	-0.14187	0.00212	-0.08041	0.08261	-0.13891	0.00263	-0.3141
0.044066	0.34202	0.190548	3.40E-05	0.144246	0.00178	0.168993	0.00024	0.387137
0.062497	0.17757	0.249987	4.38E-08	0.12584	0.00647	0.271056	2.62E-09	0.570764
0.021228	0.64727	0.228928	5.72E-07	0.107181	0.02052	0.24042	1.45E-07	0.484516
0.044877	0.3332	0.211464	4.03E-06	0.076115	0.10042	0.242129	1.17E-07	0.459649
0.035161	0.44844	-0.09501	0.04013	-0.01577	0.73397	-0.12474	0.00695	-0.22794
-0.01946	0.67496	0.101788	0.02784	0.037923	0.41358	0.121203	0.00874	0.30346
-0.01759	0.70465	0.182741	7.13E-05	0.055477	0.23147	0.242595	1.11E-07	0.346743
-0.08409	0.06943	0.126949	0.00601	0.012965	0.77991	0.162072	0.00044	0.345432
0.073458	0.11289	0.254276	2.52E-08	0.146148	0.00154	0.262629	8.33E-09	0.448039
0.009831	0.8322	0.117353	0.01115	0.067269	0.14666	0.112035	0.01543	0.252307
0.02998	0.5181	0.17419	0.00015	0.069067	0.13614	0.221429	1.35E-06	0.322772
0.060141	0.19451	0.10263	0.02657	0.070701	0.12709	0.103338	0.02554	0.209939
-0.06013	0.19462	0.067187	0.14715	-0.01197	0.79647	0.093955	0.04241	0.242509
-0.04135	0.37268	0.093718	0.04294	0.004309	0.926	0.115295	0.01266	0.307472
0.105187	0.02301	0.221464	1.34E-06	0.141448	0.00218	0.22109	1.40E-06	0.405429
0.06546	0.15785	0.222219	1.23E-06	0.103042	0.02597	0.246594	6.73E-08	0.485264
-0.01678	0.71766	0.111764	0.01568	0.029487	0.52501	0.126094	0.00636	0.346934
0.058975	0.20332	0.167277	0.00028	0.067278	0.1466	0.182263	7.45E-05	0.372495
-0.00703	0.87961	0.073965	0.11042	0.039422	0.39535	0.059284	0.20096	0.297176
-0.05021	0.2789	0.140206	0.00239	0.039549	0.39382	0.166812	0.00029	0.349239
-0.04358	0.34733	0.104892	0.02339	0.014519	0.75434	0.124935	0.00687	0.298406
0.010344	0.82358	0.116896	0.01147	0.048704	0.29358	0.110217	0.01719	0.272633
0.043468	0.34862	0.152142	0.00097	0.102272	0.02711	0.118848	0.01015	0.3043
-0.00775	0.8674	0.058301	0.20854	-0.0054	0.90727	0.070866	0.1262	0.429467

-0.02264	0.62552	-0.17027	0.00022	-0.10544	0.02268	-0.15131	0.00104	-0.36426
0.019527	0.67383	-0.00955	0.83697	-0.01715	0.71168	-0.00323	0.94448	0.127263
-0.00927	0.84164	0.165	0.00034	0.076375	0.09926	0.156553	0.00069	0.418974
0.024895	0.59152	0.13911	0.00259	0.059994	0.19561	0.14517	0.00166	0.358294
-0.07693	0.0968	0.051091	0.27052	-0.0271	0.55908	0.080347	0.08284	0.270874
0.106495	0.02135	0.233779	3.23E-07	0.143902	0.00182	0.224303	9.74E-07	0.358244
0.01635	0.72454	0.240182	1.49E-07	0.096463	0.03717	0.268004	4.00E-09	0.5293
0.080248	0.08322	0.290796	1.49E-10	0.154941	0.00078	0.29342	1.00E-10	0.557901
-0.04549	0.32667	0.07617	0.10017	-0.01387	0.76495	0.106773	0.02101	0.272781
0.041765	0.36784	0.121038	0.00884	0.073309	0.11363	0.116474	0.01177	0.287515
-0.03972	0.39175	0.046867	0.31218	-0.01838	0.69203	0.079694	0.08537	0.166053
-0.00933	0.84057	0.05178	0.26411	0.017039	0.71343	0.048617	0.29444	0.225566
-0.02107	0.6497	0.122934	0.00782	0.058106	0.21007	0.129287	0.00514	0.283529
0.025361	0.58461	0.204912	8.05E-06	0.08271	0.07415	0.234215	3.07E-07	0.43713
0.310763	6.49E-12	0.241028	1.34E-07	0.231417	4.27E-07	0.17244	0.00018	0.322547
-0.04583	0.32298	0.117935	0.01075	0.03676	0.42805	0.124909	0.00688	0.346257
0.046645	0.31449	0.207814	5.94E-06	0.117727	0.01089	0.202566	1.03E-05	0.430925
-0.08772	0.05819	0.019768	0.67004	-0.03722	0.42223	0.040846	0.37848	0.14524
-0.06434	0.16511	-0.1981	1.62E-05	-0.10818	0.01937	-0.22323	1.10E-06	-0.33014
0.033964	0.46404	0.177956	0.00011	0.087909	0.05766	0.173674	0.00016	0.395311
0.013686	0.76802	0.142054	0.00209	0.068669	0.13841	0.136759	0.00306	0.320577
0.098165	0.03394	0.20728	6.29E-06	0.113773	0.01389	0.222377	1.21E-06	0.439403
0.150369	0.00112	0.22787	6.47E-07	0.135814	0.00327	0.22945	5.38E-07	0.437217
-0.00217	0.96264	0.186261	5.13E-05	0.075007	0.10548	0.20192	1.10E-05	0.45275
-0.09287	0.04487	-0.25306	2.95E-08	-0.1547	0.0008	-0.26345	7.45E-09	-0.4071
0.140615	0.00232	0.203278	9.54E-06	0.190495	3.42E-05	0.136216	0.00318	0.303934
0.009536	0.83716	0.120597	0.00909	0.062835	0.17523	0.121713	0.00846	0.316129
0.057626	0.21387	0.252578	3.14E-08	0.126923	0.00602	0.271873	2.34E-09	0.475229
0.014919	0.74778	0.086568	0.06159	0.047222	0.30854	0.080426	0.08253	0.230828
0.117617	0.01097	0.305473	1.52E-11	0.155938	0.00072	0.337898	6.18E-14	0.49969
-0.01699	0.71417	0.09314	0.04425	0.014011	0.76266	0.121477	0.00859	0.279458
0.003913	0.93279	0.139298	0.00255	0.056166	0.22572	0.149982	0.00115	0.273116
0.062984	0.17421	0.200017	1.33E-05	0.116008	0.01212	0.192896	2.71E-05	0.32937
0.023569	0.61143	0.176773	0.00012	0.097918	0.03439	0.180414	8.83E-05	0.339072
0.118675	0.01026	0.329569	2.71E-13	0.192839	2.72E-05	0.339582	4.55E-14	0.408229
0.02792	0.54727	-0.17778	0.00011	-0.06372	0.16925	-0.21086	4.30E-06	-0.44149
-0.01175	0.80002	0.0747	0.10692	0.02517	0.58743	0.075673	0.10241	0.179099
0.083294	0.07213	0.290781	1.49E-10	0.148093	0.00133	0.304392	1.81E-11	0.580231
0.143406	0.00189	-0.03909	0.39939	0.04252	0.35924	-0.08286	0.07363	-0.23428
-0.02189	0.637	-0.19408	2.41E-05	-0.07411	0.10975	-0.22912	5.59E-07	-0.32829
0.019373	0.67626	0.1675	0.00028	0.102791	0.02633	0.141376	0.0022	0.30317
0.028658	0.53672	0.094927	0.04031	0.082254	0.07577	0.065843	0.15543	0.268392
0.016844	0.71656	0.172233	0.00018	0.108832	0.01864	0.163238	0.0004	0.275148
0.132357	0.00417	0.133842	0.00376	0.147104	0.00143	0.091635	0.0478	0.232424
0.081825	0.07731	0.129042	0.00522	0.083417	0.07171	0.122949	0.00782	0.202088

0.020493	0.6587	0.055104	0.23463	0.041851	0.36685	0.028937	0.53277	0.133297
-0.04831	0.29746	0.058213	0.20923	0.006336	0.89137	0.089467	0.05335	0.184332
0.001513	0.97399	0.076792	0.09742	0.067148	0.14739	0.046209	0.31904	0.205055
0.051562	0.26613	0.198895	1.49E-05	0.093127	0.04427	0.209613	4.91E-06	0.423701
0.022875	0.62197	0.202132	1.07E-05	0.118024	0.01069	0.195534	2.09E-05	0.465803
0.001676	0.97118	0.156324	0.0007	0.067108	0.14763	0.169709	0.00023	0.306374
0.091097	0.04913	0.185203	5.66E-05	0.127998	0.0056	0.175475	0.00014	0.335367
0.083342	0.07197	0.130848	0.00462	0.11646	0.01178	0.090253	0.05128	0.239622
0.055389	0.23222	0.132141	0.00423	0.108333	0.01919	0.096166	0.03776	0.233858
0.042801	0.35607	0.141485	0.00218	0.075284	0.1042	0.139568	0.0025	0.369823
0.054941	0.23602	0.209394	5.03E-06	0.11704	0.01137	0.215915	2.49E-06	0.385188
0.063306	0.17202	0.184974	5.79E-05	0.096658	0.03679	0.194737	2.26E-05	0.435695
0.048049	0.30013	0.223005	1.13E-06	0.131867	0.00431	0.213747	3.15E-06	0.457414
0.002056	0.96465	0.151211	0.00105	0.073955	0.11047	0.140874	0.00228	0.361676
-0.02966	0.52251	0.118321	0.0105	0.025276	0.58586	0.137818	0.00284	0.322852
0.064396	0.16474	0.246801	6.56E-08	0.152236	0.00097	0.247122	6.30E-08	0.436051
0.144643	0.00173	0.250797	3.95E-08	0.190348	3.47E-05	0.242133	1.17E-07	0.371955
0.014112	0.76101	0.189901	3.62E-05	0.060089	0.1949	0.240549	1.43E-07	0.41069
0.166011	0.00031	0.238341	1.87E-07	0.182176	7.51E-05	0.225656	8.35E-07	0.378412
0.030005	0.51775	0.229588	5.30E-07	0.107618	0.02001	0.25788	1.57E-08	0.388219
0.070439	0.12851	0.182474	7.31E-05	0.08288	0.07356	0.207244	6.31E-06	0.3614
0.022504	0.62763	0.223631	1.05E-06	0.068101	0.14172	0.269403	3.30E-09	0.470721
0.087864	0.05778	0.164696	0.00035	0.117391	0.01112	0.136344	0.00315	0.37803
0.366705	2.60E-16	0.272802	2.05E-09	0.252596	3.13E-08	0.211998	3.81E-06	0.401386
-0.01979	0.66964	0.026639	0.56581	0.017447	0.70689	0.009378	0.83981	0.218316
0.063863	0.16827	0.251708	3.51E-08	0.123177	0.0077	0.294586	8.38E-11	0.383369
0.018862	0.68433	0.092445	0.04586	0.068515	0.13931	0.070421	0.12861	0.225385
-0.00785	0.86569	0.131864	0.00431	0.058563	0.2065	0.142392	0.00204	0.309123
0.060117	0.19469	0.111466	0.01596	0.09266	0.04536	0.088565	0.05581	0.13687
0.034877	0.45211	0.184471	6.07E-05	0.115472	0.01252	0.169592	0.00023	0.329871
-0.01533	0.74109	-0.19561	2.07E-05	-0.05392	0.24486	-0.24771	5.84E-08	-0.40073
0.051173	0.26976	0.059232	0.20136	0.081771	0.07751	0.000748	0.98714	0.148389
0.024489	0.59758	0.102244	0.02715	0.040421	0.38347	0.104662	0.0237	0.26246
0.104212	0.02431	0.27288	2.03E-09	0.173432	0.00017	0.257067	1.75E-08	0.50465
0.02296	0.62067	0.156136	0.00071	0.085069	0.06625	0.160076	0.00052	0.347291
0.093543	0.04333	0.156039	0.00072	0.131241	0.0045	0.132556	0.00411	0.382983
0.045123	0.33056	0.239085	1.71E-07	0.127369	0.00585	0.244592	8.65E-08	0.522445
0.046976	0.31106	0.087877	0.05775	0.063898	0.16803	0.073013	0.11509	0.229081
0.048032	0.30029	0.235942	2.49E-07	0.126555	0.00617	0.242113	1.18E-07	0.397694
0.042527	0.35916	0.216185	2.42E-06	0.128584	0.00539	0.208397	5.59E-06	0.436591
-0.02378	0.60819	0.13683	0.00305	0.068398	0.13998	0.131227	0.0045	0.351172
0.069409	0.13421	0.183682	6.53E-05	0.160249	0.00051	0.130446	0.00475	0.326146
-0.06545	0.15795	0.011316	0.80731	-0.03156	0.49624	0.02838	0.54069	0.161028
0.065853	0.15537	0.263351	7.55E-09	0.139666	0.00249	0.273171	1.95E-09	0.550943
0.090255	0.05127	0.15676	0.00067	0.164108	0.00037	0.084429	0.06832	0.269306

0.19558	2.08E-05	0.196312	1.93E-05	0.184579	6.00E-05	0.143728	0.00185	0.317914
0.138233	0.00276	0.128572	0.00539	0.078111	0.09179	0.143289	0.00191	0.367302
-0.02168	0.64029	0.173128	0.00017	0.075617	0.10267	0.178738	0.0001	0.397113
-0.02144	0.64405	0.122603	0.00799	0.056951	0.21929	0.122701	0.00794	0.287277
0.021485	0.64329	0.133641	0.00381	0.059024	0.20294	0.157769	0.00062	0.312269
-0.00562	0.90353	0.161311	0.00047	0.06167	0.18339	0.184649	5.97E-05	0.404169
0.095894	0.03831	0.165712	0.00032	0.125404	0.00666	0.143406	0.00189	0.324579
0.062207	0.17959	-0.15636	0.0007	-0.03453	0.45665	-0.18544	5.54E-05	-0.38012
0.077427	0.09468	0.290878	1.47E-10	0.135398	0.00337	0.33552	9.46E-14	0.448053
0.037462	0.41928	0.162447	0.00042	0.069468	0.13387	0.195302	2.14E-05	0.313274
-0.02469	0.59452	0.046504	0.31595	-0.00315	0.94586	0.067306	0.14643	0.150164
0.055071	0.23491	0.160155	0.00051	0.078346	0.09081	0.188669	4.08E-05	0.366513
0.262866	8.07E-09	0.34041	3.92E-14	0.282391	5.20E-10	0.293639	9.68E-11	0.395761
0.061394	0.18536	0.145044	0.00167	0.086903	0.06059	0.131434	0.00444	0.355722
0.148201	0.00132	0.404479	8.27E-20	0.227257	6.94E-07	0.423407	9.73E-22	0.715227
0.088598	0.05572	0.265649	5.53E-09	0.145028	0.00168	0.276468	1.22E-09	0.535753
0.007383	0.87358	0.147237	0.00142	0.061938	0.18149	0.18527	5.63E-05	0.264533
-0.00267	0.95415	0.148702	0.00127	0.056578	0.22233	0.171091	0.0002	0.363195
0.101856	0.02774	0.249219	4.83E-08	0.169457	0.00023	0.229203	5.54E-07	0.538198
0.046643	0.3145	0.201185	1.18E-05	0.09844	0.03344	0.214872	2.79E-06	0.368557
0.131391	0.00445	0.340097	4.15E-14	0.203492	9.33E-06	0.350503	6.04E-15	0.611781
-0.01249	0.78781	0.132071	0.00425	0.013958	0.76354	0.197994	1.63E-05	0.315746
0.010009	0.8292	0.197435	1.73E-05	0.057156	0.21763	0.260915	1.05E-08	0.373681
0.038248	0.40958	0.074634	0.10723	0.056327	0.22439	0.062642	0.17657	0.203352
0.001024	0.98239	0.065286	0.15897	0.045028	0.33158	0.056828	0.22029	0.156787
0.132178	0.00422	0.257797	1.59E-08	0.162955	0.00041	0.262212	8.81E-09	0.4035
0.1018	0.02783	-0.06748	0.14541	0.06324	0.17246	-0.1408	0.00229	-0.28547
0.066362	0.15219	-0.12782	0.00567	0.003534	0.93929	-0.19443	2.33E-05	-0.31597
0.030621	0.50918	0.098246	0.03379	0.05969	0.19788	0.092421	0.04592	0.30188
0.075523	0.10309	0.168491	0.00025	0.116258	0.01193	0.164233	0.00037	0.301832
0.055701	0.22959	0.144762	0.00171	0.077234	0.0955	0.143087	0.00194	0.232412
0.089252	0.05393	0.172326	0.00018	0.115015	0.01288	0.154501	0.00081	0.376087
0.037086	0.42396	0.114279	0.01347	0.103472	0.02535	0.068258	0.1408	0.314344
0.056858	0.22004	0.108582	0.01892	0.064555	0.16369	0.103658	0.02508	0.260008
0.050765	0.2736	-0.13344	0.00387	-0.04477	0.33437	-0.16612	0.00031	-0.30604
0.23723	2.14E-07	0.368019	2.00E-16	0.262856	8.08E-09	0.360695	8.54E-16	0.373375
0.03616	0.43564	0.169059	0.00024	0.103503	0.0253	0.154675	0.0008	0.340648
0.016484	0.72236	0.201599	1.13E-05	0.081675	0.07786	0.220058	1.57E-06	0.475439
0.065553	0.15726	0.179879	9.28E-05	0.099995	0.03073	0.20191	1.10E-05	0.282503
0.055662	0.22991	-0.13093	0.0046	-0.03671	0.42864	-0.15392	0.00085	-0.24543
-0.00749	0.87174	0.197912	1.65E-05	0.071119	0.12485	0.225736	8.27E-07	0.406487
0.016186	0.72719	0.077781	0.09317	0.04581	0.32324	0.047639	0.30427	0.309184
-0.08509	0.06619	-0.01608	0.72897	-0.04951	0.28569	0.015792	0.73358	0.126856
0.101701	0.02798	0.208615	5.46E-06	0.153376	0.00088	0.177787	0.00011	0.368759
0.247763	5.81E-08	0.444606	4.76E-24	0.279979	7.38E-10	0.463592	2.93E-26	0.636839



0.002958	0.94917	0.158749	0.00057	0.062159	0.17993	0.189542	3.75E-05	0.413679
0.080269	0.08314	0.237029	2.19E-07	0.119565	0.0097	0.265312	5.79E-09	0.467951
0.004729	0.91882	0.07842	0.09051	0.042067	0.36438	0.071676	0.12192	0.204053
0.059301	0.20083	0.123914	0.00734	0.120542	0.00912	0.072951	0.11541	0.299878
0.118572	0.01033	0.218097	1.96E-06	0.180097	9.10E-05	0.163201	0.0004	0.373451
0.100905	0.02924	0.160633	0.00049	0.096827	0.03646	0.15383	0.00085	0.400609
0.049903	0.28184	0.21233	3.67E-06	0.091157	0.04898	0.241652	1.25E-07	0.4738
0.057751	0.21287	0.276481	1.22E-09	0.139654	0.00249	0.296688	6.06E-11	0.57958
0.151095	0.00106	0.198125	1.61E-05	0.170187	0.00022	0.161112	0.00047	0.431539
0.077168	0.09579	0.203993	8.86E-06	0.107229	0.02047	0.224342	9.70E-07	0.314234
0.014389	0.75646	0.170447	0.00022	0.056797	0.22054	0.192955	2.69E-05	0.307209
0.06526	0.15913	0.181672	7.87E-05	0.116211	0.01197	0.172831	0.00017	0.287458
0.009687	0.83463	0.154743	0.00079	0.052232	0.25996	0.183456	6.67E-05	0.291385
0.125613	0.00657	0.23748	2.07E-07	0.171735	0.00019	0.21642	2.35E-06	0.281585
0.156992	0.00066	0.218801	1.81E-06	0.154812	0.00079	0.210924	4.27E-06	0.354279
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-0.02526	0.58604	0.072854	0.11589	0.041456	0.3714	0.064652	0.16306	0.181669
0.020486	0.6588	0.051566	0.26609	0.010876	0.81467	0.063695	0.16939	0.145947
0.172646	0.00018	0.23272	3.66E-07	0.172641	0.00018	0.223685	1.05E-06	0.42648
0.062445	0.17793	0.104131	0.02442	0.046862	0.31224	0.124997	0.00684	0.207867
0.149195	0.00122	0.254951	2.31E-08	0.19567	2.06E-05	0.241359	1.29E-07	0.416992
0.035187	0.44809	-0.1541	0.00083	-0.0285	0.53903	-0.19525	2.15E-05	-0.36672
0.174955	0.00014	0.329637	2.68E-13	0.212933	3.44E-06	0.323696	7.48E-13	0.647414
0.004284	0.92644	-0.07151	0.12277	-0.05317	0.25148	-0.05462	0.23876	-0.1533
0.013207	0.77591	0.112567	0.01494	0.056668	0.22159	0.117367	0.01114	0.321149
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-0.01524	0.74249	0.021334	0.64562	0.033868	0.46531	-0.00632	0.8916	0.130819
-0.00895	0.84705	0.061706	0.18313	-0.00228	0.96073	0.089859	0.05231	0.220234
-0.0563	0.22464	0.113413	0.0142	0.041191	0.37447	0.111878	0.01557	0.365619
0.066179	0.15333	0.144784	0.00171	0.089849	0.05233	0.124044	0.00728	0.335051
-0.04454	0.33687	0.091905	0.04715	-0.02377	0.60842	0.154488	0.00081	0.308206
0.031642	0.49516	0.228709	5.87E-07	0.074339	0.10863	0.284376	3.88E-10	0.382402
0.010328	0.82384	0.193787	2.48E-05	0.073985	0.11032	0.227886	6.45E-07	0.412795
0.042774	0.35638	0.220326	1.53E-06	0.105274	0.02289	0.232584	3.72E-07	0.46704
0.065811	0.15563	0.049637	0.28442	0.056552	0.22254	0.021912	0.6367	0.088259
0.249448	4.69E-08	0.352429	4.20E-15	0.343307	2.31E-14	0.231258	4.35E-07	0.368728
0.15391	0.00085	0.17719	0.00012	0.160099	0.00051	0.131105	0.00454	0.122979
0.205526	7.55E-06	0.134735	0.00353	0.143172	0.00192	0.096688	0.03673	0.093233
0.078328	0.09088	-0.04858	0.29483	-0.00592	0.8984	-0.04626	0.31848	-0.15008
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0.088239	0.05672	0.027132	0.55864	0.044936	0.33256	-0.00509	0.91266	0.030589
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0.076006	0.10091	0.049102	0.28964	0.091396	0.04839	-0.02764	0.55125	0.000869
0.056022	0.22691	0.086311	0.06237	0.044034	0.34238	0.111802	0.01564	0.168384
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0.040003	0.38841	0.153464	0.00088	0.061548	0.18426	0.185347	5.59E-05	0.325812
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0.055334	0.23268	0.03199	0.49042	0.068426	0.13982	-0.03313	0.47506	0.031097
0.005324	0.90864	0.026335	0.57025	0.00879	0.84975	0.018388	0.69186	0.070824
0.098222	0.03384	-0.04308	0.35298	0.020271	0.66217	-0.07254	0.11749	-0.10349
0.176486	0.00013	0.075434	0.10351	0.14198	0.0021	-0.01735	0.7085	0.042219
0.09262	0.04545	0.146982	0.00145	0.089509	0.05324	0.162442	0.00042	0.252521
0.15595	0.00072	0.08969	0.05276	0.123013	0.00778	0.041452	0.37144	0.143479
-0.06498	0.1609	-0.13635	0.00315	-0.09262	0.04544	-0.11762	0.01097	-0.23282
0.136596	0.0031	0.136562	0.00311	0.145196	0.00166	0.070159	0.13004	0.112917
0.115842	0.01224	0.151684	0.00101	0.126608	0.00615	0.120712	0.00902	0.22507
0.01532	0.74124	-0.00035	0.99398	-0.03456	0.4562	0.030392	0.51236	-0.01441
0.035015	0.45032	0.111639	0.01579	0.075028	0.10538	0.104745	0.02359	0.181586
0.050052	0.28041	0.074501	0.10786	0.099559	0.03147	0.002999	0.94847	0.134067
-0.02265	0.62534	-0.03105	0.50326	-0.00088	0.98484	-0.06527	0.15905	-0.0398
-0.02652	0.56755	0.038414	0.40754	0.003539	0.93921	0.031449	0.49779	0.031413
0.058218	0.20919	0.088965	0.05471	0.091302	0.04862	0.031465	0.49757	0.16989
-0.05558	0.23059	-0.05093	0.27205	-0.05115	0.27001	-0.04218	0.36314	-0.03205
0.098883	0.03265	0.123989	0.00731	0.128072	0.00558	0.069794	0.13205	0.143755
0.019992	0.66654	0.066118	0.15371	0.058092	0.21018	0.049208	0.28861	0.019397
0.042098	0.36403	-0.05081	0.27316	-0.00656	0.8876	-0.06345	0.17105	-0.06935
0.154319	0.00082	0.093257	0.04398	0.13032	0.00479	0.016178	0.72732	0.132161
0.0729	0.11566	0.11433	0.01343	0.079301	0.08693	0.090852	0.04975	0.227382
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-0.00312	0.94632	0.011356	0.80664	0.019016	0.6819	-0.0201	0.66476	0.022153
0.050676	0.27445	0.03232	0.48595	0.039506	0.39434	-0.00588	0.89909	0.060043
0.075222	0.10448	0.003896	0.93308	0.034428	0.45796	-0.03087	0.50572	-0.03195
0.063321	0.17191	0.140267	0.00238	0.090691	0.05016	0.123382	0.0076	0.273474
0.033169	0.47457	0.016269	0.72584	0.03145	0.49778	-0.02096	0.65146	0.014342
0.030794	0.50679	-0.01596	0.73083	0.005742	0.90151	-0.04344	0.3489	0.014145
-0.02671	0.5648	0.047218	0.30857	0.031237	0.50069	0.039773	0.39115	-0.01248
0.069087	0.13603	0.151368	0.00103	0.109888	0.01752	0.133156	0.00394	0.137972
-0.00957	0.83663	-0.03164	0.49513	-0.00356	0.93891	-0.0613	0.18603	-0.12143
0.052362	0.25877	-0.00806	0.86206	0.013025	0.77892	-0.01924	0.67837	-0.04632
-0.06857	0.13899	-0.08145	0.07871	-0.06616	0.15343	-0.06471	0.16271	-0.14542
0.038182	0.41039	0.049394	0.28678	0.058258	0.20888	-0.00595	0.89792	0.024583
-0.00656	0.88749	-0.04453	0.33695	-0.02318	0.61727	-0.05095	0.27187	-0.08897
0.034516	0.45681	0.008288	0.85823	0.014215	0.75931	-0.00445	0.92362	-0.01377
0.112393	0.0151	0.229459	5.38E-07	0.142826	0.00197	0.221804	1.29E-06	0.344061
-0.03022	0.5148	-0.02942	0.52601	-0.02335	0.61474	-0.05163	0.26552	-0.0765
0.11597	0.01215	0.165946	0.00032	0.129284	0.00514	0.131553	0.0044	0.288162
0.052874	0.25414	0.142658	0.002	0.079943	0.0844	0.13025	0.00481	0.257583
0.063897	0.16804	0.047257	0.30817	0.064256	0.16566	0.025184	0.58723	0.060403
0.047865	0.30199	0.082468	0.07501	0.091133	0.04904	0.040192	0.38618	0.168625

0.109676	0.01774	0.109502	0.01793	0.105919	0.02207	0.069961	0.13113	0.267494
0.051964	0.26242	0.038038	0.41216	0.053783	0.24606	0.014229	0.75908	0.071284
0.098201	0.03387	0.050731	0.27393	0.101511	0.02827	-0.01445	0.75553	0.040898
0.083896	0.07009	0.037552	0.41816	0.050027	0.28064	0.000396	0.99319	0.10966
0.115895	0.0122	0.279576	7.82E-10	0.173304	0.00017	0.282138	5.39E-10	0.415365
0.008426	0.8559	-0.00358	0.93847	0.020833	0.65339	-0.01805	0.69719	-0.03939
-0.03874	0.40361	-0.01508	0.74512	-0.03003	0.51735	-0.01037	0.82322	-0.02523
0.03461	0.45558	0.096219	0.03766	0.058692	0.2055	0.079026	0.08804	0.215411
0.062113	0.18026	0.111124	0.01629	0.078273	0.09112	0.09258	0.04554	0.204261
0.158466	0.00059	0.069308	0.13477	0.102123	0.02733	0.022662	0.62521	0.060049
0.018592	0.68861	-0.10318	0.02577	-0.0129	0.78105	-0.14694	0.00145	-0.2287
0.07521	0.10454	0.045788	0.32347	0.061895	0.18179	-9.82E-05	0.99831	-0.03626
0.043204	0.35155	0.032322	0.48594	0.053747	0.24637	-0.01522	0.74288	0.0166
0.049103	0.28964	0.046475	0.31625	0.049272	0.28798	0.037468	0.4192	0.067132
0.083577	0.07116	0.156857	0.00067	0.084765	0.06722	0.167151	0.00029	0.229524
0.057088	0.21818	0.041802	0.36742	0.035731	0.44111	0.038319	0.40871	0.081063
-0.01021	0.82586	-0.0265	0.56787	-0.02295	0.62078	-0.02858	0.53777	-0.0315
0.030259	0.51421	0.047346	0.30726	0.043582	0.34735	0.022944	0.62091	0.047626
-0.05917	0.20183	-0.01918	0.67923	-0.0392	0.398	0.013563	0.77003	-0.06861
0.065426	0.15807	0.05449	0.23989	0.064087	0.16677	0.014139	0.76056	0.079889
-0.0634	0.17135	-0.05866	0.20577	-0.02967	0.52248	-0.07208	0.1198	-0.16134
0.119259	0.00989	0.129797	0.00496	0.131689	0.00436	0.078942	0.08837	0.158206
-0.00701	0.87992	-0.04706	0.31022	-0.01683	0.71687	-0.05653	0.2227	-0.09943
0.107959	0.01962	0.059144	0.20203	0.092608	0.04548	0.001156	0.98012	0.036004
-0.03298	0.47716	0.111118	0.01629	0.05609	0.22635	0.107365	0.0203	0.255445
0.010915	0.81402	0.050446	0.27663	0.026538	0.56729	0.031474	0.49746	0.103348
0.088865	0.05498	0.095156	0.03983	0.094637	0.04093	0.056636	0.22185	0.154178
0.172277	0.00018	0.217874	2.01E-06	0.197236	1.76E-05	0.152768	0.00093	0.400922
0.064525	0.16389	0.19091	3.28E-05	0.116621	0.01167	0.181308	8.14E-05	0.265976
-0.10666	0.02114	-0.12314	0.00772	-0.09747	0.03522	-0.12275	0.00792	-0.16425
0.024978	0.59029	0.143485	0.00188	0.082848	0.07367	0.127757	0.0057	0.351278
0.071636	0.12213	0.124609	0.00702	0.090073	0.05175	0.093072	0.0444	0.28958
0.04398	0.34297	0.062722	0.17601	0.054046	0.24375	0.028618	0.53729	0.090151
-0.01155	0.80335	-0.00096	0.98357	-0.00048	0.9917	-0.02197	0.63585	0.061469
-0.0022	0.96221	0.007518	0.87129	0.002837	0.95124	0.000548	0.99057	0.009107
0.080004	0.08416	0.020304	0.66164	0.057173	0.21749	-0.01416	0.76015	-0.0341
-0.05233	0.25911	-0.03531	0.44651	-0.02915	0.52978	-0.04092	0.37762	-0.07882
0.011643	0.80185	0.004269	0.92669	0.007216	0.87641	0.012715	0.78405	0.063577
0.098943	0.03254	0.164133	0.00037	0.11906	0.01002	0.160107	0.00051	0.276273
0.040992	0.37678	0.041879	0.36653	0.073926	0.11061	-0.00309	0.94689	-0.0125
0.106152	0.02177	0.081187	0.07966	0.102179	0.02725	0.030007	0.51771	0.010889
0.03003	0.5174	0.064096	0.16671	0.033892	0.46499	0.057093	0.21814	0.119617
0.012562	0.78658	0.066898	0.1489	0.016622	0.72015	0.081767	0.07753	0.259203
0.200312	1.29E-05	0.182325	7.41E-05	0.188335	4.21E-05	0.126113	0.00635	0.199972
0.047559	0.30508	0.12251	0.00804	0.080996	0.08037	0.095516	0.03908	0.252904

-0.03458	0.45591	-0.09323	0.04405	-0.06027	0.19357	-0.08137	0.07897	-0.1713
0.257717	1.60E-08	0.299499	3.92E-11	0.286991	2.64E-10	0.21605	2.45E-06	0.249826
0.049421	0.28652	0.033772	0.46657	0.065812	0.15562	-0.02834	0.5412	-0.03738
0.016217	0.72669	0.021558	0.64216	0.030061	0.51696	-0.00482	0.91729	0.109379
0.087962	0.0575	0.066504	0.15131	0.052888	0.25401	0.065823	0.15556	0.153109
0.039064	0.39966	-0.04438	0.33855	0.016508	0.72198	-0.10802	0.01955	-0.08946
-0.0344	0.4583	-0.16275	0.00041	-0.0777	0.09353	-0.19616	1.96E-05	-0.24778
0.027565	0.55237	-0.02437	0.59942	0.006371	0.89078	-0.05878	0.2048	-0.02681
0.008324	0.85762	0.002619	0.95499	0.014465	0.75522	0.019186	0.67921	-0.03912
0.125623	0.00656	0.132494	0.00413	0.092567	0.04557	0.106206	0.02171	0.179588
-0.04977	0.28309	0.011296	0.80765	-0.03098	0.50417	0.024705	0.59437	0.136694
0.000934	0.98393	0.055392	0.23219	0.043277	0.35074	0.032655	0.48145	0.145665
0.051111	0.27034	0.014747	0.7506	0.014667	0.75191	-0.00157	0.97304	0.067911
0.02747	0.55374	0.011798	0.79927	0.010853	0.81505	0.018082	0.69673	0.049712
0.018451	0.69085	0.05809	0.2102	0.029588	0.52359	0.058953	0.20349	0.136649
0.154231	0.00083	0.210074	4.68E-06	0.173604	0.00016	0.159518	0.00054	0.371762
0.127296	0.00587	0.060035	0.1953	0.104685	0.02367	-0.00957	0.83653	0.015011
0.107997	0.01957	0.031555	0.49635	0.048624	0.29437	0.014855	0.74884	0.050305
0.015076	0.74522	0.156038	0.00072	0.037697	0.41637	0.205545	7.54E-06	0.200107
-0.08153	0.07841	-0.03436	0.45888	-0.03868	0.40432	-0.01945	0.67512	-0.00099
0.063931	0.16781	0.101106	0.02891	0.066432	0.15176	0.089744	0.05261	0.146053
0.083186	0.0725	0.099374	0.03179	0.027439	0.55419	0.118199	0.01058	0.299623
0.085922	0.06356	0.063485	0.1708	0.055307	0.23291	0.050243	0.27857	0.080472
0.020023	0.66604	0.020758	0.65456	0.052196	0.26028	-0.022	0.63536	0.027977
0.517833	2.13E-33	0.40733	4.31E-20	0.516904	2.90E-33	0.176785	0.00012	0.167781
0.199218	1.44E-05	0.190079	3.56E-05	0.191067	3.23E-05	0.117814	0.01083	0.237177
0.055103	0.23464	0.038587	0.40544	0.059219	0.20145	-0.01108	0.81121	0.042701
0.057344	0.21612	-0.02895	0.53259	0.003679	0.9368	-0.05446	0.24018	-0.03811
-0.00906	0.84515	0.019793	0.66965	0.012954	0.78008	0.0038	0.93473	0.039142
-0.02188	0.63722	-0.03386	0.46546	-0.00849	0.85481	-0.05705	0.21847	0.049935
0.041131	0.37517	0.049184	0.28884	0.053824	0.2457	0.006377	0.89068	0.080229
-0.04575	0.32384	-0.01025	0.82508	0.000738	0.98731	-0.02506	0.58905	-0.00518
0.087456	0.05896	0.059129	0.20214	0.07722	0.09557	0.019619	0.67239	0.052987
0.245915	7.33E-08	0.189701	3.69E-05	0.275063	1.49E-09	0.007891	0.86496	0.073813
0.078237	0.09126	0.166857	0.00029	0.111282	0.01613	0.158	0.00061	0.22383
0.073858	0.11094	0.217038	2.20E-06	0.136495	0.00312	0.194354	2.35E-05	0.419153
0.117779	0.01086	0.120053	0.00941	0.092378	0.04602	0.09128	0.04868	0.252058
0.062646	0.17654	0.091096	0.04914	0.072918	0.11557	0.07866	0.08952	0.235222
-0.02725	0.55699	0.05584	0.22843	0.007235	0.87608	0.06554	0.15735	0.063231
0.024012	0.60475	-0.02018	0.66364	-0.00579	0.90068	-0.0433	0.35043	-0.0423
0.135811	0.00328	0.016785	0.71751	0.087586	0.05858	-0.04101	0.37654	-0.01522
0.163476	0.00039	0.038159	0.41067	0.121613	0.00852	-0.04132	0.37302	-0.04834
0.052073	0.26141	0.046587	0.31509	0.053275	0.25055	0.006002	0.89708	0.075168
-0.01233	0.79047	-0.0153	0.74152	0.01844	0.69103	-0.05015	0.27945	-0.01806
-0.0316	0.49571	0.022358	0.62987	-0.00481	0.9174	0.020157	0.66394	0.114541

0.09793	0.03437	0.03544	0.44483	0.075349	0.10389	-0.0189	0.68381	0.008088
0.021637	0.64094	-0.07313	0.11454	-0.04022	0.38579	-0.0773	0.09521	-0.07114
0.122679	0.00795	0.060144	0.19449	0.123062	0.00776	-0.01994	0.66739	-0.01138
0.080441	0.08248	-0.01451	0.75449	0.050917	0.27216	-0.07265	0.11693	-0.08165
0.084528	0.068	0.063094	0.17346	0.077107	0.09605	0.03037	0.51266	0.058534
0.144415	0.00175	0.100506	0.02988	0.171767	0.00019	0.011571	0.80305	0.065738
0.005125	0.91205	-0.03752	0.41851	-0.01197	0.79641	-0.03248	0.48379	-0.07401
0.114611	0.0132	0.023738	0.60887	0.081121	0.07991	-0.0242	0.60199	0.011719
0.207749	5.98E-06	0.316423	2.55E-12	0.171159	0.0002	0.350637	5.89E-15	0.552448
0.093505	0.04342	0.085694	0.06427	0.105698	0.02235	0.025608	0.58094	0.075077
0.455327	2.79E-25	0.266205	5.12E-09	0.399636	2.46E-19	0.059905	0.19627	0.1035
0.076669	0.09796	0.037726	0.41601	0.07239	0.11824	-0.01764	0.70385	-0.0049
0.022201	0.63226	0.089316	0.05375	0.039033	0.40002	0.093032	0.04449	0.188258
0.084695	0.06745	0.105561	0.02252	0.090604	0.05038	0.087248	0.05957	0.0971
0.049113	0.28954	0.037991	0.41274	0.053427	0.2492	-0.00199	0.96571	0.001553
0.064359	0.16498	0.042654	0.35772	0.067843	0.14323	-0.00091	0.98427	-0.0007
0.15469	0.0008	0.078122	0.09174	0.124238	0.00719	0.00407	0.93011	0.023462
0.02358	0.61127	0.044876	0.33321	0.050341	0.27764	0.001497	0.97426	0.062208
0.047249	0.30825	0.010637	0.81867	0.030497	0.5109	0.007441	0.87259	-0.05764
-0.0089	0.84781	-0.00611	0.89529	0.0067	0.88518	-0.01738	0.70794	-0.00741
0.170709	0.00021	0.033088	0.47565	0.0353	0.44663	0.028037	0.54559	0.054134
0.042989	0.35396	0.009031	0.84567	0.04453	0.33696	-0.03771	0.41626	-0.03513
0.038664	0.4045	-0.03172	0.49412	0.026604	0.56632	-0.0845	0.06809	-0.05929
0.106113	0.02182	0.024688	0.59461	0.065489	0.15767	-0.02787	0.54794	-0.0089
0.026735	0.56441	-0.01488	0.74842	0.063377	0.17154	-0.08551	0.06485	-0.04879
0.100963	0.02914	0.049538	0.28538	0.096155	0.03779	-0.02133	0.64562	0.030469
-0.04617	0.31947	-0.04623	0.31885	-0.0623	0.17898	-0.02782	0.5487	0.047489
0.005306	0.90896	0.070941	0.1258	0.016269	0.72584	0.095454	0.03921	0.036696
0.045394	0.32765	-0.03692	0.42608	-0.01231	0.79077	-0.05345	0.24898	-0.08905
0.013163	0.77663	0.01884	0.68468	0.019281	0.67772	-0.00348	0.9402	0.03987
0.116913	0.01146	0.050715	0.27407	0.080439	0.08248	0.003796	0.93479	0.019336
0.062273	0.17914	0.067385	0.14596	0.075988	0.10099	0.02043	0.65968	0.065115
0.098911	0.0326	-0.03466	0.45496	0.037984	0.41282	-0.08785	0.05784	-0.11295
-0.0356	0.44282	0.0928	0.04503	0.039066	0.39964	0.09176	0.0475	0.110028
0.062027	0.18086	0.075132	0.1049	0.066656	0.15038	0.043425	0.3491	0.127716
-0.02063	0.65659	0.117623	0.01096	0.039287	0.39697	0.134341	0.00363	0.181333
0.073647	0.11196	0.059668	0.19805	0.081088	0.08003	0.007788	0.8667	0.104978
0.051777	0.26414	0.026134	0.5732	0.051932	0.26271	-0.01713	0.712	0.018697
0.123655	0.00747	0.217166	2.17E-06	0.104343	0.02413	0.268237	3.88E-09	0.177119
0.07192	0.12065	0.058528	0.20677	0.065237	0.15928	0.026819	0.56319	0.074612
0.045167	0.33009	0.030135	0.51593	0.040138	0.38681	-0.00395	0.93219	0.051087
0.131985	0.00428	0.212024	3.80E-06	0.129207	0.00517	0.20336	9.46E-06	0.437186
0.157856	0.00062	0.286456	2.86E-10	0.179891	9.27E-05	0.275017	1.50E-09	0.425276
-0.04855	0.29508	-0.05605	0.22669	-0.06611	0.15376	-0.0213	0.64622	-0.07753
0.048234	0.29827	0.156248	0.0007	0.053486	0.24868	0.190551	3.40E-05	0.121876

0.013842	0.76545	0.017916	0.69937	0.00597	0.89763	0.021345	0.64546	-0.02516
0.004212	0.92766	-0.02406	0.604	-0.00508	0.91283	-0.02389	0.60658	-0.09341
0.070835	0.12637	0.060259	0.19364	0.071929	0.1206	0.013041	0.77866	0.074399
0.045572	0.32576	0.077038	0.09635	0.058365	0.20804	0.070358	0.12895	0.044567
0.089179	0.05412	0.255516	2.14E-08	0.132216	0.00421	0.280663	6.68E-10	0.34328
0.002028	0.96513	0.050693	0.27428	0.061278	0.18619	0.00687	0.88229	0.052841
0.046324	0.31784	-0.04103	0.3763	0.017037	0.71346	-0.08879	0.05519	-0.1105
0.093596	0.04321	0.020827	0.65349	0.054809	0.23714	-0.02761	0.55169	0.028624
-0.00866	0.85193	0.008343	0.85729	-0.00211	0.96377	0.003281	0.94362	0.031654
0.062217	0.17953	0.020235	0.66272	0.049921	0.28167	-0.02588	0.57693	-0.0174
0.05212	0.26099	0.00796	0.86378	0.037226	0.42221	-0.03278	0.47979	-0.03742
0.191383	3.14E-05	0.209048	5.22E-06	0.223582	1.06E-06	0.107368	0.0203	0.160993
0.157701	0.00063	0.08658	0.06155	0.103919	0.02472	0.039219	0.39779	0.076096
0.061348	0.18569	-0.04309	0.35284	0.007459	0.87229	-0.07443	0.10821	-0.10911
0.050536	0.27578	0.095053	0.04005	0.073884	0.11081	0.070083	0.13045	0.089764
0.107896	0.01969	0.058156	0.20968	0.055949	0.22752	0.057031	0.21864	0.080253
0.043746	0.34554	0.042073	0.36432	0.059792	0.19712	0.00832	0.85768	0.079297
0.03824	0.40968	0.079242	0.08717	0.02209	0.63397	0.102114	0.02734	0.045758
-0.06166	0.18347	-0.05177	0.26422	-0.06254	0.17729	-0.03822	0.40993	-0.03305
0.025484	0.58277	0.053551	0.2481	0.038884	0.40183	0.034914	0.45162	0.016627
0.003486	0.94011	-0.00485	0.91668	0.000994	0.98292	-0.01575	0.73426	-0.01289
0.010332	0.82377	-0.03275	0.4802	0.017462	0.70663	-0.07904	0.08796	-0.15873
0.086958	0.06042	0.184431	6.09E-05	0.12691	0.00603	0.157511	0.00064	0.370272
0.04073	0.37984	0.032153	0.48821	0.050758	0.27366	-0.00973	0.83382	0.016777
0.056999	0.2189	-0.06699	0.14832	0.002985	0.9487	-0.09996	0.03078	-0.07096
0.089272	0.05387	0.101951	0.02759	0.083389	0.0718	0.074667	0.10707	0.114307
0.218295	1.91E-06	0.250197	4.26E-08	0.282919	4.81E-10	0.123323	0.00763	0.341968
0.06503	0.16061	0.030096	0.51648	0.05378	0.24608	-0.01487	0.74865	0.005308
0.14234	0.00205	0.084778	0.06718	0.126055	0.00638	0.009715	0.83414	0.035117
-0.0629	0.17479	-0.11971	0.00961	-0.02493	0.59104	-0.17579	0.00013	-0.21419
0.013655	0.76852	0.124251	0.00718	0.060843	0.18935	0.126566	0.00617	0.259216
-0.09057	0.05047	-0.04003	0.38808	-0.053	0.25303	-0.02551	0.58235	0.025926
0.086349	0.06225	0.034419	0.45807	0.066239	0.15295	-0.01363	0.76893	0.051189
0.030019	0.51756	0.045583	0.32564	0.034854	0.45241	0.027417	0.55451	0.065758
0.0676	0.14468	0.010068	0.82821	0.048495	0.29565	-0.03454	0.45652	-0.0211
-0.02035	0.66092	0.028501	0.53897	0.021777	0.63879	0.011472	0.80471	0.073265
0.147676	0.00137	0.071748	0.12154	0.100482	0.02992	0.014947	0.74733	0.083593
0.016305	0.72526	0.132199	0.00421	0.063867	0.16824	0.130563	0.00471	0.29374
0.026354	0.56997	0.032069	0.48936	0.032154	0.4882	0.001464	0.97484	0.075206
0.028862	0.53383	0.134456	0.0036	0.062105	0.18031	0.138368	0.00273	0.422662
0.127968	0.00562	0.041716	0.36841	0.092756	0.04513	-0.01181	0.79914	-0.00398
0.079104	0.08772	0.038114	0.41122	0.090189	0.05145	-0.0258	0.57811	-0.02392
0.076347	0.09938	0.012083	0.79454	0.06265	0.17651	-0.05437	0.24092	0.012865
0.025277	0.58584	0.076375	0.09926	0.054691	0.23816	0.054879	0.23655	0.038364
0.095296	0.03954	0.039533	0.39402	0.079376	0.08663	-0.01499	0.74662	0.058509

0.036095	0.43646	0.049929	0.28159	0.071198	0.12443	-0.01014	0.82704	0.054294
0.042772	0.35639	0.047302	0.30771	0.03946	0.39489	0.015661	0.7357	0.143644
0.025511	0.58239	0.055634	0.23015	0.062828	0.17528	0.007564	0.8705	0.147171
0.160979	0.00048	0.149959	0.00115	0.136386	0.00314	0.105996	0.02197	0.350752
0.145209	0.00165	0.00477	0.91812	0.092779	0.04508	-0.06139	0.18541	-0.09752
-0.03729	0.42145	-0.01811	0.69628	-0.02234	0.63021	-0.03044	0.51169	-0.03583
0.162351	0.00043	0.229804	5.16E-07	0.184461	6.07E-05	0.178218	0.00011	0.464875
0.085699	0.06425	0.048332	0.29728	0.055676	0.2298	0.017441	0.70697	0.031201
0.088983	0.05466	0.071587	0.12239	0.094012	0.04229	0.015554	0.73744	0.087559
0.114047	0.01366	0.198395	1.57E-05	0.135903	0.00325	0.1772	0.00012	0.344244
0.093845	0.04266	0.013729	0.7673	0.049142	0.28926	-0.02856	0.53808	0.033409
0.036325	0.43354	0.009907	0.83093	0.043093	0.35279	-0.03992	0.38937	-0.03047
0.163823	0.00038	0.080416	0.08257	0.171924	0.00019	-0.01694	0.71508	0.134815
0.07618	0.10013	0.074582	0.10747	0.063041	0.17382	0.048051	0.30011	0.105004
0.11433	0.01343	0.138318	0.00274	0.121086	0.00881	0.098759	0.03287	0.184136
0.062242	0.17935	0.164534	0.00036	0.106244	0.02166	0.152945	0.00091	0.171373
0.044001	0.34274	-0.0255	0.58249	0.028457	0.53959	-0.06489	0.1615	-0.0427
-0.04237	0.36094	-0.05479	0.23727	-0.02878	0.53502	-0.06963	0.13295	-0.03726
0.091877	0.04722	0.034271	0.46001	0.092978	0.04462	-0.03669	0.42897	-0.01269
0.061147	0.18714	0.068466	0.13959	0.057445	0.21531	0.049936	0.28152	0.110921
0.091719	0.0476	0.072764	0.11634	0.068489	0.13945	0.04143	0.3717	0.043999
0.03711	0.42367	0.002848	0.95105	-0.00038	0.99349	-0.01527	0.74205	0.017758
-0.03175	0.49365	-0.01395	0.76368	-0.0387	0.40406	-0.00018	0.99685	0.042049
0.008602	0.85292	-0.01918	0.67934	0.016404	0.72366	-0.05884	0.20433	-0.06667
0.072789	0.11622	0.099869	0.03094	0.115971	0.01214	0.03735	0.42067	0.074509
-0.03196	0.4908	-0.02658	0.56666	-0.03159	0.49583	-0.02539	0.58414	-0.01086
0.007129	0.87789	0.012707	0.78418	0.00947	0.83827	0.007038	0.87943	0.01676
0.037758	0.41561	0.050492	0.27619	0.032275	0.48656	0.029543	0.52421	-0.00561
0.024646	0.59525	-0.06097	0.18839	-0.00519	0.91102	-0.10227	0.0271	-0.16248
0.044769	0.33437	0.061663	0.18344	0.093619	0.04316	0.002041	0.96492	0.038213
0.073464	0.11286	0.015106	0.74473	0.062516	0.17744	-0.0453	0.32863	-0.04154
0.014316	0.75765	0.003021	0.94808	0.02226	0.63137	-0.03388	0.46513	-0.00571
0.031464	0.49759	-0.01314	0.77702	-0.01927	0.67788	0.006115	0.89515	-0.04301
0.121408	0.00863	0.069935	0.13127	0.090021	0.05188	0.033212	0.474	0.096736
0.05585	0.22835	0.048572	0.29489	0.061778	0.18262	0.004145	0.92881	0.065593
0.068045	0.14204	0.026187	0.57242	0.058439	0.20746	-0.02452	0.59712	0.000772
0.061928	0.18156	-0.0347	0.45447	0.010851	0.81508	-0.08542	0.06514	-0.02948
0.068479	0.13951	0.080942	0.08057	0.068704	0.13821	0.056862	0.22001	0.251543
-0.0774	0.09477	-0.09952	0.03154	-0.05737	0.21595	-0.11167	0.01577	-0.14298
0.02413	0.60297	0.03005	0.51713	0.011864	0.79817	0.031853	0.49229	0.08902
0.191194	3.20E-05	0.154664	0.0008	0.147259	0.00142	0.114658	0.01316	0.129894
0.007105	0.8783	0.062524	0.17738	0.010746	0.81685	0.073284	0.11375	0.162271
-0.02015	0.66401	0.002638	0.95466	0.047416	0.30655	-0.04935	0.28725	-0.03393
0.041842	0.36696	0.008731	0.85074	0.031531	0.49668	-0.01988	0.6683	-0.02056
0.130074	0.00487	0.087241	0.05959	0.12267	0.00796	0.044275	0.33973	0.037901

0.079335	0.08679	0.048917	0.29147	0.073465	0.11286	0.004769	0.91813	0.156639
0.010283	0.82461	0.020594	0.65712	0.012581	0.78626	0.009296	0.84121	0.113334
0.016403	0.72368	0.052302	0.25932	0.048307	0.29754	0.006334	0.89142	0.129413
0.068708	0.13819	0.146482	0.0015	0.116075	0.01207	0.108941	0.01853	0.346152
-0.00308	0.94713	-0.08054	0.08208	-0.02435	0.59971	-0.10626	0.02164	-0.15079
-0.03542	0.44504	0.056968	0.21915	0.008871	0.84837	0.067671	0.14425	0.16169
0.13192	0.00429	0.07126	0.12411	0.103027	0.02599	0.015574	0.73711	0.11712
-0.02199	0.63544	-0.05254	0.2572	-0.01439	0.75636	-0.07992	0.08448	-0.07574
0.07657	0.0984	0.072171	0.11936	0.076321	0.0995	0.027565	0.55238	0.18098
-0.12609	0.00636	-0.05432	0.24134	-0.05477	0.23751	-0.05601	0.22705	-0.01945
0.091688	0.04767	0.097531	0.03511	0.1042	0.02433	0.042213	0.36272	0.175534
0.027026	0.56017	-0.00408	0.92995	0.020143	0.66416	-0.03587	0.43929	-0.03857
0.051267	0.26888	0.024857	0.59209	0.044551	0.33673	-0.0218	0.63845	0.063522
0.062311	0.17887	0.036552	0.43067	0.047844	0.30219	-0.00412	0.92918	0.028996
0.039003	0.40039	0.015151	0.744	0.034893	0.45191	-0.02212	0.63354	-0.00563
0.131377	0.00446	0.200766	1.23E-05	0.147375	0.0014	0.163271	0.0004	0.468576
0.08892	0.05483	0.052019	0.26191	0.081743	0.07761	-0.0103	0.82424	0.053806
0.043677	0.3463	0.03766	0.41682	0.055444	0.23175	-0.00195	0.96646	0.072975
0.08654	0.06167	0.073705	0.11168	0.066891	0.14894	0.041206	0.37429	0.147616
0.099919	0.03086	0.128055	0.00558	0.121234	0.00873	0.068138	0.1415	0.343766
0.138697	0.00267	0.178241	0.00011	0.137661	0.00287	0.147198	0.00142	0.293633
0.092897	0.04481	0.058499	0.207	0.094587	0.04104	-0.00109	0.98131	0.036361
0.114755	0.01309	0.05135	0.2681	0.095186	0.03977	-0.02078	0.6543	-0.00645
-0.01319	0.7762	-0.01448	0.75504	-0.01405	0.76197	-0.03473	0.45398	0.036919
0.096644	0.03682	0.091462	0.04823	0.104531	0.02388	0.05264	0.25625	0.044598
0.008921	0.84753	0.014935	0.74753	0.014958	0.74714	-0.00626	0.89271	0.00253
-0.03468	0.45467	-0.02926	0.52823	-0.02756	0.5525	-0.0388	0.40281	-0.09527
0.01722	0.71052	0.023153	0.61773	0.043947	0.34333	-0.01214	0.79351	-0.01062
0.057232	0.21702	0.130462	0.00475	0.093412	0.04363	0.127777	0.00569	0.158998
0.004042	0.93059	0.004767	0.91816	0.015361	0.74057	-0.02799	0.54624	-0.03481
-0.00817	0.86031	0.033208	0.47405	-0.00313	0.94623	0.034783	0.45333	0.079246
0.348814	8.30E-15	0.242975	1.06E-07	0.358662	1.27E-15	0.040935	0.37745	0.156008
0.01756	0.70507	0.016745	0.71815	0.00213	0.96339	0.024072	0.60385	-0.05144
0.08123	0.0795	0.054191	0.24248	0.04911	0.28957	0.05059	0.27526	0.08542
0.297974	4.97E-11	0.395024	6.85E-19	0.322543	9.11E-13	0.313778	3.96E-12	0.513684
-0.02296	0.62072	0.006843	0.88276	-0.00924	0.84211	0.006137	0.89477	0.014863
0.157668	0.00063	0.279243	8.21E-10	0.196448	1.91E-05	0.253769	2.69E-08	0.497613
0.013295	0.77446	0.025133	0.58798	0.045437	0.3272	-0.03269	0.48103	-0.02943
0.040954	0.37722	0.095502	0.03911	0.039509	0.3943	0.089508	0.05324	0.275281
-0.0867	0.06118	-0.05433	0.24125	-0.04747	0.30597	-0.06366	0.16963	0.051969
0.039215	0.39783	0.012042	0.79522	0.028525	0.53861	-0.02053	0.65809	0.005962
0.067721	0.14395	0.006326	0.89155	0.045671	0.32471	-0.03801	0.41246	0.002561
0.174936	0.00014	0.150398	0.00111	0.155421	0.00075	0.09464	0.04093	0.219429
0.059582	0.1987	0.243685	9.68E-08	0.098606	0.03314	0.292483	1.15E-10	0.477415
0.053188	0.25133	0.127302	0.00587	0.078126	0.09172	0.108857	0.01862	0.17796



0.064858	0.16172	0.196745	1.85E-05	0.112738	0.01479	0.196307	1.93E-05	0.202854
0.043029	0.35351	0.130227	0.00482	0.083415	0.07172	0.118443	0.01042	0.185364
-0.01019	0.82612	0.000808	0.9861	-0.00165	0.97156	0.008222	0.85935	0.063855
-0.02976	0.52123	0.009033	0.84564	-0.0353	0.4466	0.023336	0.61496	0.089119
0.042359	0.36106	-0.04731	0.3076	-0.00876	0.85026	-0.06776	0.14372	-0.03175
0.033372	0.47187	0.113461	0.01416	0.055543	0.23091	0.116135	0.01202	0.164314
0.111907	0.01554	0.120044	0.00941	0.109696	0.01772	0.095668	0.03877	0.214058
0.030306	0.51355	-0.01996	0.66705	0.029257	0.52825	-0.06393	0.16784	-0.02993
0.22283	1.15E-06	0.155555	0.00074	0.170833	0.00021	0.104565	0.02383	0.20952
0.005873	0.89928	-0.01857	0.68901	0.045958	0.32168	-0.07586	0.10157	-0.03278
0.086747	0.06105	-0.0727	0.11668	0.021029	0.65035	-0.13175	0.00435	-0.19842
0.056448	0.22339	0.051373	0.26789	0.090482	0.05069	0.016174	0.72738	0.042578
-0.0179	0.69968	0.03449	0.45714	0.028904	0.53324	0.01696	0.71471	0.061785
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0.057971	0.21113	0.097431	0.0353	0.082754	0.074	0.061138	0.1872	0.123268
0.103605	0.02516	0.164024	0.00037	0.115197	0.01274	0.144013	0.00181	0.154855
0.029842	0.52003	0.081148	0.07981	0.036093	0.43649	0.095559	0.03899	0.105309
-0.00541	0.90723	0.046942	0.31141	0.008851	0.84872	0.066734	0.1499	0.09427
0.135401	0.00337	0.075807	0.1018	0.106145	0.02178	0.029097	0.5305	0.053691
-0.01267	0.78486	-0.08169	0.0778	-0.00078	0.98659	-0.13557	0.00333	-0.09492
0.066271	0.15276	0.191709	3.04E-05	0.109522	0.01791	0.169583	0.00023	0.439907
0.108279	0.01926	0.115046	0.01286	0.108734	0.01875	0.084507	0.06806	0.111708
0.112766	0.01476	0.133181	0.00394	0.075603	0.10273	0.161203	0.00047	0.119431
-0.0079	0.86485	0.018807	0.68521	0.03032	0.51336	-0.01688	0.71593	-0.01742
0.02147	0.64353	-0.17174	0.00019	-0.06606	0.15407	-0.20288	9.94E-06	-0.32928
0.149536	0.00119	0.249871	4.44E-08	0.200623	1.25E-05	0.201376	1.16E-05	0.334813
-0.06	0.19553	-0.10979	0.01762	-0.06857	0.13899	-0.1172	0.01126	-0.16797
-0.03462	0.45547	-0.01147	0.80482	-0.01532	0.74127	-0.01214	0.79357	0.055067
0.00525	0.90991	0.089289	0.05383	0.039286	0.39698	0.090697	0.05014	0.078325
0.026154	0.5729	0.029616	0.52319	0.026242	0.57162	-0.00133	0.97712	-0.05352
0.068155	0.1414	0.07858	0.08985	0.074905	0.10595	0.040137	0.38682	0.103458
0.006361	0.89095	0.045345	0.32818	0.042228	0.36255	0.01759	0.7046	0.059611
-0.00255	0.95626	0.069144	0.1357	0.015862	0.73244	0.084215	0.06902	0.137263
0.133897	0.00375	0.18801	4.34E-05	0.125213	0.00674	0.176716	0.00012	0.219889
0.07239	0.11823	0.246124	7.14E-08	0.122431	0.00808	0.263095	7.82E-09	0.410324
0.241047	1.34E-07	0.452958	5.27E-25	0.264209	6.73E-09	0.484143	8.15E-29	0.502984
0.066624	0.15058	0.129191	0.00517	0.086744	0.06106	0.12143	0.00862	0.139217
0.124047	0.00728	0.128898	0.00528	0.145513	0.00162	0.080209	0.08337	0.149364
0.043544	0.34777	0.030944	0.50473	0.00587	0.89933	0.03183	0.4926	0.022481
-0.02096	0.65144	-0.05503	0.2353	-0.04285	0.35551	-0.06019	0.19413	-0.18826
0.053989	0.24425	0.074018	0.11017	0.055478	0.23146	0.04512	0.33059	0.160785
0.070864	0.12621	0.090098	0.05168	0.078957	0.08831	0.06818	0.14125	0.056465
0.053301	0.25032	-0.06842	0.13985	-0.00822	0.85935	-0.09458	0.04106	-0.18441
0.090044	0.05182	0.150491	0.00111	0.105907	0.02208	0.112906	0.01464	0.461325
0.047101	0.30978	0.086697	0.0612	0.062601	0.17685	0.070524	0.12805	0.190411

0.086006	0.0633	0.150642	0.00109	0.100711	0.02955	0.124818	0.00692	0.336472
-0.03146	0.49764	-0.00065	0.98879	-0.03644	0.43211	0.017072	0.71291	0.004719
0.085697	0.06426	-0.03681	0.42742	0.064569	0.1636	-0.11638	0.01185	-0.12228
0.031053	0.50322	-0.0797	0.08535	-0.01928	0.67768	-0.10624	0.02166	-0.00927
0.001682	0.97108	-0.05421	0.24236	-0.01595	0.73096	-0.07813	0.09172	-0.14578
-0.00415	0.9287	-0.08563	0.06447	-0.02416	0.60245	-0.12242	0.00808	-0.20545
0.151838	0.001	0.242148	1.17E-07	0.169342	0.00024	0.224408	9.63E-07	0.272598
0.137408	0.00292	0.053615	0.24753	0.100438	0.02999	-0.01759	0.70456	0.096358
0.085528	0.06479	0.05376	0.24626	0.085126	0.06606	-0.00452	0.92245	0.040303
-0.02663	0.56588	-0.05051	0.27598	-0.05149	0.26684	-0.04719	0.30884	-0.0438
0.102006	0.02751	0.057075	0.21829	0.093866	0.04261	-0.00479	0.91773	0.043826
0.02478	0.59325	-0.0015	0.97416	0.054954	0.23591	-0.06662	0.1506	-0.03448
0.05916	0.2019	0.057017	0.21875	0.061331	0.18581	0.020236	0.66271	0.144306
0.084223	0.069	0.243979	9.34E-08	0.127136	0.00594	0.263149	7.76E-09	0.353764
0.095377	0.03937	0.092969	0.04464	0.100338	0.03016	0.040597	0.38141	0.15812
0.164545	0.00036	0.131431	0.00444	0.13267	0.00408	0.081488	0.07855	0.126556
0.101203	0.02876	0.068193	0.14118	0.08144	0.07872	0.021101	0.64924	0.127649
0.067645	0.14441	0.119096	0.01	0.084342	0.06861	0.100526	0.02985	0.257835
0.089973	0.05201	0.1385	0.0027	0.114712	0.01312	0.09229	0.04623	0.29034
0.105113	0.0231	0.195313	2.13E-05	0.132189	0.00422	0.160188	0.00051	0.495531
0.066897	0.14891	0.045346	0.32817	0.062601	0.17685	-0.00427	0.92659	0.083595
0.06672	0.14999	0.032885	0.47836	0.068673	0.13839	-0.02719	0.55776	0.045981
0.089234	0.05398	0.052614	0.25649	0.082981	0.07321	-0.003	0.94852	0.041773
0.010935	0.81368	0.018616	0.68824	0.002337	0.95984	0.013318	0.77407	0.107064
0.018109	0.6963	0.041549	0.37033	0.01645	0.72293	0.044493	0.33736	0.073862
-0.02108	0.64955	0.081437	0.07873	0.053231	0.25095	0.049655	0.28424	0.159746
0.031765	0.49348	0.115605	0.01242	0.054844	0.23684	0.108786	0.01869	0.284048
-0.02443	0.59847	-0.13532	0.00339	-0.06188	0.18191	-0.1658	0.00032	-0.24367
0.040725	0.37989	0.005718	0.90193	0.025639	0.5805	-0.03119	0.50134	-0.00038
0.088471	0.05607	0.071967	0.1204	0.111546	0.01588	0.002518	0.95672	0.091399
-0.0298	0.52067	-0.12053	0.00913	-0.04819	0.29875	-0.15057	0.0011	-0.23349
0.042111	0.36388	0.07502	0.10542	0.05093	0.27204	0.04217	0.36322	0.079466
0.049787	0.28296	0.021154	0.64841	0.043434	0.349	-0.01828	0.69356	0.015759
0.075675	0.1024	0.022565	0.62669	0.051929	0.26274	-0.01945	0.67501	-0.00351
0.209124	5.17E-06	0.168741	0.00025	0.221688	1.31E-06	0.060439	0.1923	0.217386
0.077799	0.09309	0.097939	0.03435	0.095655	0.0388	0.048163	0.29898	0.179549
0.056154	0.22582	0.031097	0.50262	0.04669	0.31402	-0.00277	0.95243	0.033989
0.071178	0.12454	0.055548	0.23087	0.066168	0.15339	0.039594	0.39328	0.029768
0.001211	0.97917	0.000243	0.99583	0.007724	0.86779	-0.00464	0.92031	0.018245
0.020617	0.65677	0.038802	0.40282	0.030937	0.50482	0.035079	0.4495	0.01706
-0.03871	0.40393	-0.10731	0.02037	-0.05634	0.22425	-0.1258	0.00649	-0.09033
0.119898	0.0095	0.142207	0.00207	0.163411	0.00039	0.051296	0.2686	0.241461
0.079533	0.08601	0.121581	0.00854	0.095097	0.03996	0.086053	0.06316	0.192407
-0.02572	0.57931	0.003762	0.93538	0.001704	0.97071	0.002637	0.95468	0.068717
0.071082	0.12505	0.080809	0.08108	0.07824	0.09125	0.040658	0.38069	0.087975

0.086759	0.06101	0.051334	0.26825	0.068472	0.13955	0.00886	0.84855	0.020542
0.067084	0.14777	0.167481	0.00028	0.107698	0.01992	0.145443	0.00162	0.42838
-0.07587	0.10154	0.041194	0.37443	-0.00785	0.86562	0.051725	0.26462	0.204152
-0.13209	0.00424	-0.13441	0.00361	-0.11504	0.01286	-0.12148	0.00859	-0.23831
0.055425	0.23191	0.020621	0.6567	0.052599	0.25663	-0.02809	0.54477	0.002007
-0.04831	0.29755	-0.07474	0.10672	-0.06362	0.1699	-0.07759	0.09398	-0.18389
0.103819	0.02486	0.137736	0.00286	0.124189	0.00721	0.102702	0.02646	0.232206
0.030214	0.51483	0.029699	0.52203	0.04512	0.33058	-0.01018	0.8264	0.078316
0.159151	0.00056	0.16142	0.00046	0.148272	0.00131	0.112501	0.015	0.312614
0.085618	0.06451	0.065015	0.16071	0.069576	0.13327	0.025466	0.58305	0.180797
0.011878	0.79794	0.060501	0.19185	0.040053	0.38782	0.040318	0.38469	0.217203
-0.06212	0.18024	-0.07153	0.12267	-0.0522	0.26027	-0.09858	0.0332	-0.13913
0.080303	0.08301	0.091429	0.04831	0.099453	0.03165	0.0702	0.12981	0.115366
-0.08392	0.07002	-0.05586	0.22829	-0.05895	0.20353	-0.04346	0.34868	-0.08555
0.14952	0.00119	0.210705	4.37E-06	0.163871	0.00038	0.173779	0.00016	0.325551
-0.02822	0.54296	-0.03058	0.50971	-0.02722	0.55733	-0.0414	0.37205	-0.09456
0.053115	0.25197	0.037159	0.42305	0.050121	0.27974	-0.00088	0.98494	0.050861
0.084472	0.06818	0.11148	0.01594	0.0913	0.04863	0.080746	0.08132	0.182492
0.098496	0.03334	0.138314	0.00274	0.095186	0.03977	0.13361	0.00382	0.189029
0.107286	0.0204	0.049041	0.29025	0.073817	0.11114	-0.00059	0.98992	0.059794
0.153646	0.00086	0.097009	0.03611	0.109831	0.01758	0.047167	0.3091	0.197705
0.113201	0.01438	0.093831	0.04269	0.115937	0.01217	0.013421	0.77238	0.284272
0.085952	0.06347	0.093426	0.0436	0.091906	0.04715	0.051795	0.26397	0.129584
0.078338	0.09084	0.11515	0.01277	0.112641	0.01487	0.063594	0.17007	0.217574
0.066737	0.14989	0.119668	0.00964	0.076684	0.09789	0.109219	0.01823	0.194307
-0.04151	0.37074	0.019098	0.6806	-0.01511	0.74472	0.018133	0.69592	-0.02996
0.008663	0.8519	-0.0921	0.04668	-0.02814	0.54409	-0.12483	0.00691	-0.20033
0.152546	0.00094	0.092442	0.04587	0.147891	0.00135	0.000173	0.99702	0.003337
0.08879	0.05519	0.190208	3.51E-05	0.151349	0.00103	0.151842	0.001	0.180043
-0.06266	0.17645	-0.03375	0.46682	-0.01515	0.74395	-0.06226	0.17924	-0.03529
0.028496	0.53903	-0.08438	0.06847	0.040808	0.37893	-0.15673	0.00068	-0.22884
0.043635	0.34677	0.035001	0.4505	0.047423	0.30647	-0.00412	0.9292	0.044017
0.086149	0.06286	0.098169	0.03393	0.072679	0.11677	0.071018	0.12539	0.178065
-0.01556	0.73731	0.098374	0.03356	0.031278	0.50014	0.102393	0.02692	0.127759
0.157224	0.00065	0.257112	1.74E-08	0.147755	0.00136	0.276005	1.31E-09	0.336075
0.295254	7.56E-11	0.205876	7.28E-06	0.244428	8.83E-08	0.09642	0.03726	0.206408
-0.04567	0.32475	0.000983	0.9831	0.01276	0.78331	-0.02921	0.52892	-0.03245
0.004586	0.92127	-0.00282	0.95153	0.00695	0.88093	-0.02943	0.52574	0.039504
0.016437	0.72312	-7.24E-05	0.99875	0.014046	0.76209	-0.02341	0.61377	-0.0006
0.237242	2.13E-07	0.166123	0.00031	0.178421	0.00011	0.122996	0.00779	0.210631
0.077611	0.09389	0.083285	0.07216	0.060839	0.18937	0.077989	0.0923	0.122599
0.004871	0.91639	-0.06364	0.16975	-0.02297	0.62049	-0.07452	0.10777	-0.11381
0.003646	0.93736	0.003429	0.94109	-0.00141	0.97569	0.006131	0.89488	0.013293
-0.03894	0.40115	-0.0229	0.62157	-0.02383	0.60746	-0.03678	0.4278	-0.11375
0.086641	0.06137	0.049886	0.282	0.048406	0.29654	0.046999	0.31082	0.044613

0.064255	0.16566	0.038946	0.40109	0.073088	0.11472	0.004393	0.92457	-0.03655
-0.0546	0.23892	0.024289	0.60058	-0.00484	0.91696	0.013888	0.76469	0.124641
0.018512	0.68989	0.006923	0.8814	0.020443	0.65947	-0.01162	0.80231	0.004496
-0.03831	0.40877	-0.10231	0.02705	-0.09521	0.03972	-0.08396	0.06988	-0.10882
-0.00902	0.84593	0.066555	0.151	0.050265	0.27836	0.07452	0.10776	0.023202
0.052166	0.26056	0.121081	0.00881	0.07849	0.09022	0.113542	0.01409	0.151414
0.009214	0.84259	0.020778	0.65425	0.051104	0.2704	-0.01625	0.72618	0.011927
-0.03004	0.51719	0.008323	0.85763	0.00254	0.95634	-0.01656	0.72111	0.039531
0.195704	2.05E-05	0.265144	5.92E-09	0.224158	9.90E-07	0.212357	3.66E-06	0.402038
0.380724	1.48E-17	0.343774	2.12E-14	0.301736	2.76E-11	0.302116	2.60E-11	0.194096
0.048884	0.2918	0.048006	0.30056	0.049418	0.28655	0.016873	0.7161	0.115774
0.032174	0.48793	-0.04743	0.30638	0.012602	0.78592	-0.09989	0.03091	-0.04091
-0.03095	0.50468	-0.03211	0.48875	-0.02935	0.52695	-0.03638	0.43279	0.025974
0.073175	0.11429	0.041901	0.36628	0.028092	0.5448	0.035286	0.44682	0.068309
0.064533	0.16384	0.006742	0.88447	0.045106	0.33073	-0.04224	0.36242	-0.02245
0.297893	5.03E-11	0.192225	2.89E-05	0.260579	1.10E-08	0.072274	0.11883	0.052791
-0.10145	0.02837	-0.08054	0.08209	-0.10599	0.02197	-0.04917	0.28896	-0.11909
0.091965	0.047	0.058225	0.20913	0.072189	0.11926	0.025039	0.58938	0.062878
0.050793	0.27333	0.174156	0.00016	0.094569	0.04108	0.168271	0.00026	0.406814
0.089459	0.05337	-0.01232	0.79061	0.007284	0.87525	-0.03599	0.43779	-0.07088
0.020775	0.65431	-0.00937	0.83996	0.026153	0.57292	-0.03482	0.4528	-0.03302
0.087948	0.05754	0.073599	0.1122	0.045309	0.32856	0.071184	0.12451	0.238517
0.057645	0.21372	0.028426	0.54003	0.067206	0.14704	-0.02387	0.60683	-0.01057
0.141249	0.00222	0.188149	4.28E-05	0.147822	0.00136	0.169056	0.00024	0.255669
0.006602	0.88686	0.054558	0.23931	0.046218	0.31894	0.018848	0.68456	0.141933
0.036263	0.43433	0.028103	0.54464	0.042375	0.36088	-0.01013	0.8271	0.047881
0.214284	2.97E-06	0.282366	5.21E-10	0.197276	1.75E-05	0.261496	9.70E-09	0.3772
0.015488	0.73852	-0.00594	0.89819	0.008282	0.85833	-0.00143	0.97543	-0.03645
0.198533	1.55E-05	0.208462	5.55E-06	0.200809	1.23E-05	0.126629	0.00614	0.425814
-0.00545	0.9065	-0.00678	0.88381	0.028336	0.54131	-0.04594	0.3219	0.001039
-0.08262	0.07449	-0.08023	0.0833	-0.06561	0.15688	-0.07632	0.09951	-0.09534
0.061854	0.18208	0.100396	0.03006	0.044216	0.34037	0.106614	0.0212	0.223294
0.007176	0.87709	0.011818	0.79895	0.02204	0.63474	-0.01072	0.81732	0.054537
0.061045	0.18787	0.053109	0.25203	0.061821	0.18231	0.01879	0.68547	0.047693
0.099833	0.031	0.094147	0.04199	0.122061	0.00828	0.063225	0.17256	0.052799
0.001144	0.98032	-0.03314	0.47491	0.00962	0.83574	-0.07018	0.12994	-0.06963
-0.05529	0.23304	-0.07472	0.1068	-0.07003	0.13077	-0.05944	0.19977	0.015483
0.036004	0.43761	0.01785	0.70043	0.041613	0.36959	-0.02198	0.6357	-0.0105
0.005558	0.90465	0.042147	0.36347	0.057287	0.21658	0.001733	0.97021	0.061735
0.068468	0.13958	0.064471	0.16424	0.074199	0.1093	0.020956	0.65149	0.108574
0.102685	0.02649	0.322339	9.43E-13	0.17491	0.00015	0.31503	3.22E-12	0.608494
0.132953	0.004	0.209551	4.94E-06	0.15791	0.00062	0.172107	0.00019	0.410323
0.06852	0.13928	0.028095	0.54476	0.024297	0.60046	0.023257	0.61616	0.08434
-0.0058	0.90054	-0.00059	0.98984	0.015913	0.73161	-0.03395	0.46426	-0.00159
0.054258	0.24191	0.037611	0.41743	0.039155	0.39855	0.005115	0.91221	0.106085

0.156208	0.00071	0.094311	0.04163	0.118256	0.01054	0.035192	0.44802	0.067479
-0.01662	0.72015	-0.13424	0.00366	-0.08948	0.05331	-0.14106	0.00225	-0.21419
0.05558	0.23061	-0.01332	0.77397	0.012019	0.7956	-0.02706	0.55975	-0.06788
0.113936	0.01375	0.157818	0.00062	0.085727	0.06417	0.17419	0.00015	0.180947
0.198078	1.62E-05	0.086599	0.06149	0.108817	0.01866	0.044459	0.33773	0.011087
0.062565	0.1771	0.073591	0.11224	0.06328	0.17219	0.063193	0.17278	0.063815
0.109974	0.01743	0.231117	4.43E-07	0.172595	0.00018	0.190191	3.52E-05	0.424818
-0.02162	0.64123	0.050798	0.27329	0.005078	0.91285	0.071373	0.12351	0.101954
0.074798	0.10646	0.080758	0.08127	0.078511	0.09013	0.035102	0.44919	0.184958
0.111658	0.01578	0.160672	0.00049	0.130121	0.00486	0.144447	0.00175	0.186081
-0.00677	0.88401	0.010578	0.81966	0.001517	0.97393	0.002201	0.96217	0.149221
0.225121	8.87E-07	0.152641	0.00094	0.132869	0.00402	0.131798	0.00433	0.106729
0.036443	0.43205	0.158312	0.0006	0.075113	0.10499	0.161153	0.00047	0.365156
0.074651	0.10715	0.171569	0.0002	0.098854	0.0327	0.17614	0.00013	0.186536
0.059831	0.19683	0.160494	0.0005	0.093825	0.0427	0.165825	0.00032	0.217585
0.060708	0.19033	0.16364	0.00038	0.094513	0.0412	0.153729	0.00086	0.144712
-0.01849	0.69023	-0.03812	0.41117	0.012102	0.79422	-0.07501	0.10546	-0.06148
-0.0627	0.17615	-0.0338	0.46618	-0.04558	0.32573	-0.02519	0.58711	-0.00291
0.01393	0.76399	0.014274	0.75834	0.029507	0.52472	-0.01951	0.67402	-0.04708
0.295786	6.97E-11	0.197788	1.67E-05	0.308067	1.01E-11	0.02596	0.57576	0.080325
0.062463	0.17781	0.0699	0.13147	0.038012	0.41248	0.091431	0.04831	0.188067
0.028372	0.5408	-0.02919	0.52912	0.009548	0.83696	-0.06462	0.16326	-0.08286
0.079263	0.08708	0.025416	0.58379	0.064745	0.16245	-0.03049	0.51097	-0.01476
-0.00145	0.97506	-0.07975	0.08517	-0.06483	0.16189	-0.05877	0.20492	-0.154
0.000195	0.99665	0.019928	0.66754	0.002897	0.95022	0.013409	0.77258	0.156383
0.131321	0.00447	0.22667	7.43E-07	0.148223	0.00132	0.210647	4.40E-06	0.410856
0.032231	0.48716	0.108656	0.01884	0.049759	0.28323	0.111725	0.01571	0.282301
0.04021	0.38596	0.046091	0.32028	0.069714	0.1325	0.023056	0.61921	-0.00588
-0.13392	0.00374	-0.06334	0.17181	-0.11018	0.01722	-0.01992	0.66763	-0.10545
-0.01689	0.71584	-0.10388	0.02477	-0.05154	0.26635	-0.13527	0.0034	-0.14195
-0.04992	0.28167	-0.04727	0.30801	-0.03175	0.49375	-0.05268	0.25589	0.001444
0.025038	0.5894	0.084538	0.06796	0.03712	0.42354	0.08039	0.08267	0.225509
-0.0328	0.47953	-0.06398	0.16747	-0.05428	0.24174	-0.06422	0.16592	-0.07432
0.050289	0.27813	0.023644	0.6103	0.046224	0.31888	-0.00203	0.9651	-0.06787
0.044553	0.33671	0.011877	0.79795	0.043642	0.34669	-0.03586	0.43946	-0.01312
0.055119	0.2345	-0.05907	0.20259	-0.00451	0.92258	-0.09506	0.04002	-0.06619
0.108353	0.01917	0.071198	0.12443	0.086652	0.06133	0.034355	0.45891	0.168936
0.017726	0.70241	-0.01819	0.69497	0.00045	0.99227	-0.01138	0.8062	-0.07538
-0.04395	0.34333	-0.05254	0.25718	-0.05716	0.21762	-0.03698	0.4253	-0.02418
0.124251	0.00718	0.071787	0.12134	0.109154	0.0183	0.007731	0.86766	0.055761
0.068364	0.14018	0.127175	0.00592	0.088024	0.05733	0.11394	0.01375	0.219032
0.067561	0.14491	0.235801	2.54E-07	0.109296	0.01814	0.254086	2.58E-08	0.447577
0.089697	0.05273	0.009208	0.84269	0.077423	0.09469	-0.05807	0.21033	0.028488
-0.01915	0.6798	-0.05799	0.21102	-0.01595	0.73106	-0.07158	0.12242	-0.06781
0.099824	0.03102	0.211067	4.21E-06	0.129673	0.00501	0.223045	1.12E-06	0.299568

-0.06554	0.15732	-0.0056	0.90387	-0.04115	0.37492	0.004633	0.92046	0.048284
-0.05016	0.27935	0.0132	0.77602	-0.00874	0.85051	0.002783	0.95216	0.041227
0.012756	0.78337	0.002407	0.95863	-0.0042	0.9279	0.016989	0.71422	0.069794
0.01492	0.74778	-0.01921	0.67876	0.010137	0.82705	-0.03801	0.41246	-0.0156
0.024904	0.59139	0.13466	0.00355	0.066829	0.14932	0.142699	0.00199	0.113483
0.017029	0.71359	-0.10161	0.02812	-0.0554	0.23215	-0.11527	0.01268	-0.21837
-0.10559	0.02249	-0.11652	0.01174	-0.06477	0.16226	-0.13231	0.00418	-0.16172
0.159483	0.00054	0.080458	0.08241	0.11208	0.01538	0.03452	0.45675	0.044702
0.017392	0.70776	0.076961	0.09668	0.041541	0.37041	0.075954	0.10114	0.274556
0.094945	0.04028	0.156945	0.00066	0.074089	0.10983	0.196248	1.94E-05	0.252131
0.116028	0.0121	0.120335	0.00924	0.17863	0.0001	0.019903	0.66793	0.244759
0.044933	0.3326	0.034623	0.45541	0.002654	0.95439	0.060354	0.19293	0.163472
-0.0072	0.87663	0.014139	0.76057	0.00125	0.97851	0.035544	0.4435	0.111119
-0.07519	0.10462	-0.06234	0.17866	-0.0522	0.26022	-0.07239	0.11822	-0.06466
0.016305	0.72526	-0.02527	0.5859	-0.02273	0.62413	-0.04089	0.37798	-0.03427
-0.00386	0.93378	-0.00407	0.93004	-0.01207	0.79473	-0.00699	0.8802	-0.02123
0.293495	9.90E-11	0.307166	1.16E-11	0.274151	1.70E-09	0.240535	1.43E-07	0.228415
0.000237	0.99592	-0.09208	0.04672	-0.01976	0.67024	-0.11653	0.01173	-0.13955
0.025016	0.58972	0.060825	0.18947	0.049936	0.28152	0.051973	0.26233	0.031724
0.070477	0.1283	0.142356	0.00204	0.099279	0.03195	0.118715	0.01024	0.267198
0.079554	0.08593	0.008112	0.86122	0.055141	0.23431	-0.03648	0.43161	0.027773
0.125994	0.0064	0.025498	0.58257	0.067028	0.14811	-0.00136	0.97659	-0.00457
0.128357	0.00547	0.11454	0.01326	0.137872	0.00283	0.046744	0.31346	0.061231
0.075851	0.1016	0.103328	0.02555	0.088171	0.05691	0.084621	0.06769	0.248929
0.116258	0.01193	0.059582	0.1987	0.068588	0.13888	0.028144	0.54406	0.086058
0.100382	0.03009	0.162467	0.00042	0.141294	0.00221	0.113674	0.01397	0.165225
0.11404	0.01367	0.12871	0.00534	0.143372	0.0019	0.059043	0.20279	0.031676
0.030542	0.51028	0.011478	0.8046	0.024372	0.59933	-0.00558	0.90424	0.015195
0.099049	0.03236	0.12229	0.00816	0.11153	0.0159	0.087175	0.05978	0.137082
0.115816	0.01226	0.163992	0.00037	0.130793	0.00464	0.131718	0.00435	0.244571
-0.03052	0.51053	0.034896	0.45187	-0.00121	0.97926	0.054584	0.23908	0.025436
0.027486	0.55352	0.024951	0.5907	0.033225	0.47383	-0.00626	0.89261	0.029724
0.107079	0.02064	0.098912	0.0326	0.158279	0.0006	0.002021	0.96525	0.139269
0.182607	7.22E-05	0.233482	3.35E-07	0.18353	6.62E-05	0.202169	1.07E-05	0.460567
0.259031	1.35E-08	0.302047	2.63E-11	0.381301	1.31E-17	0.106141	0.02179	0.074081
-0.03214	0.48845	-0.02466	0.59498	-0.02289	0.62169	-0.02158	0.64185	0.018128
0.16589	0.00032	0.096618	0.03687	0.113955	0.01374	0.047497	0.30572	0.163685
0.34109	3.46E-14	0.317076	2.29E-12	0.334405	1.15E-13	0.178483	0.00011	0.392423
0.049572	0.28505	-0.02396	0.60559	0.021343	0.64549	-0.03987	0.38994	-0.02919
0.071308	0.12385	0.038649	0.40468	0.056566	0.22242	-0.00856	0.85358	0.075448
0.02342	0.61369	0.096102	0.03789	0.042886	0.35511	0.107175	0.02053	0.166185
0.122117	0.00825	0.094297	0.04167	0.134426	0.00361	0.024125	0.60305	0.041159
0.046144	0.31972	0.083911	0.07004	0.043878	0.34408	0.091305	0.04861	0.12471
0.001647	0.97168	0.025746	0.57891	0.021631	0.64104	0.020707	0.65537	0.135158
0.077215	0.09558	0.005779	0.90087	0.068345	0.14029	-0.04717	0.3091	0.014022

-0.03441	0.45821	-0.05024	0.27864	-0.03238	0.48519	-0.05364	0.24735	-0.04791
0.01761	0.70427	0.027939	0.54699	0.008484	0.85492	0.005559	0.90463	0.071453
0.326015	5.02E-13	0.228113	6.29E-07	0.280842	6.51E-10	0.098105	0.03405	0.147694
0.022559	0.62679	0.019974	0.66681	0.010725	0.8172	0.009797	0.83277	-0.01185
0.105308	0.02285	0.110204	0.0172	0.117317	0.01117	0.066518	0.15123	0.140916
0.058083	0.21025	0.062311	0.17887	0.055925	0.22772	0.036085	0.43658	0.093499
0.061429	0.18511	0.028488	0.53915	0.063775	0.16885	-0.01448	0.75495	-0.02304
0.03307	0.47589	-0.00294	0.94943	0.019657	0.67179	-0.02399	0.60511	-0.02248
0.067309	0.14642	0.002426	0.95829	0.007257	0.87572	-0.01725	0.70996	0.006646
0.06371	0.16929	-0.00631	0.89189	0.018461	0.6907	-0.02288	0.62193	-0.03871
-0.08087	0.08085	-0.03208	0.48924	-0.04326	0.35093	-0.00676	0.88418	-0.11774
0.197068	1.79E-05	0.183916	6.39E-05	0.206305	6.96E-06	0.106418	0.02144	0.092816
0.038119	0.41117	-0.02459	0.59614	0.008536	0.85403	-0.0564	0.22378	-0.02518
0.049672	0.28408	0.062586	0.17695	0.059851	0.19668	0.0207	0.65546	0.215647
0.145403	0.00163	0.223866	1.02E-06	0.181807	7.77E-05	0.173458	0.00017	0.364695
0.058684	0.20556	0.028076	0.54503	0.050441	0.27668	-0.00745	0.87246	0.024662
0.123912	0.00734	0.055742	0.22924	0.071358	0.12358	0.015746	0.73431	0.067292
0.063374	0.17155	-0.05154	0.26634	0.008937	0.84726	-0.09426	0.04174	-0.02928
0.112415	0.01508	0.030044	0.51721	0.065197	0.15954	-0.01146	0.80485	0.06204
-0.03358	0.46904	-0.11433	0.01343	-0.06422	0.16592	-0.13523	0.00341	-0.14986
0.072568	0.11733	0.033952	0.4642	0.084088	0.06945	-0.01229	0.79106	0.061273
0.071112	0.12489	-0.06784	0.14325	0.024746	0.59374	-0.13636	0.00315	-0.15346
-0.03041	0.51213	-0.05367	0.24707	-0.00879	0.84969	-0.09082	0.04982	-0.01725
-0.07459	0.10743	-0.03714	0.42325	-0.04379	0.34502	-0.04764	0.30424	0.061908
0.004256	0.92692	0.037844	0.41455	0.044408	0.33828	-0.00295	0.94929	0.122858
0.010634	0.81872	0.097353	0.03545	0.059452	0.19968	0.083323	0.07203	0.268271
0.061446	0.18499	0.044324	0.3392	0.055272	0.2332	0.021496	0.64311	0.109869
-0.14031	0.00237	-0.20362	9.21E-06	-0.12289	0.00785	-0.22892	5.72E-07	-0.28408
0.02799	0.54626	0.053958	0.24452	0.050231	0.27868	0.029862	0.51975	0.056244
-0.02988	0.51944	0.066087	0.1539	0.004647	0.92023	0.075625	0.10263	0.15095
0.059216	0.20147	0.054387	0.24079	0.042692	0.3573	0.034013	0.4634	-0.00364
0.080499	0.08225	0.099012	0.03242	0.127168	0.00592	0.029222	0.52874	0.010654
0.199838	1.36E-05	0.182891	7.03E-05	0.153522	0.00087	0.152029	0.00098	0.294626
0.051193	0.26957	0.045959	0.32167	0.052414	0.2583	0.008703	0.85122	0.08826
0.02129	0.64631	0.122578	0.00801	0.052203	0.26023	0.119629	0.00967	0.372968
0.113645	0.014	-0.07354	0.1125	0.013774	0.76655	-0.11438	0.01339	-0.10022
0.080183	0.08347	0.038296	0.409	0.03453	0.45662	0.042181	0.36309	0.090674
0.077891	0.09271	0.236656	2.29E-07	0.124501	0.00706	0.248714	5.15E-08	0.485358
0.073525	0.11257	0.166914	0.00029	0.148333	0.00131	0.099107	0.03225	0.211646
0.030793	0.5068	0.03497	0.45091	0.025369	0.58448	0.013836	0.76554	0.148134
0.077235	0.0955	0.039717	0.39182	0.051031	0.27109	-0.00089	0.9847	0.019029
0.027515	0.5531	0.010113	0.82746	0.031809	0.49289	-0.01675	0.71814	0.04195
0.062953	0.17442	0.061044	0.18788	0.058694	0.20549	0.016324	0.72496	0.096881
0.055875	0.22814	0.139993	0.00243	0.073713	0.11164	0.14991	0.00116	0.287739
0.01238	0.7896	0.002661	0.95426	0.005931	0.89828	-0.02095	0.6516	0.105711

-0.01549	0.73849	0.049596	0.28481	0.013543	0.77036	0.052556	0.25701	0.123947
0.031749	0.4937	0.069912	0.1314	0.052347	0.25891	0.034801	0.4531	0.194388
0.051871	0.26327	0.003071	0.94722	0.010978	0.81296	-0.00703	0.87955	-0.06436
0.003308	0.94316	0.036007	0.43758	0.003511	0.93968	0.035976	0.43797	0.041545
0.19995	1.34E-05	0.139017	0.00261	0.179447	9.65E-05	0.055762	0.22908	0.22465
0.099033	0.03238	0.121578	0.00854	0.078683	0.08943	0.118772	0.0102	0.19844
-0.08089	0.08079	-0.1739	0.00016	-0.12001	0.00943	-0.1614	0.00046	-0.23869
0.023027	0.61965	0.03386	0.46541	0.061579	0.18404	-0.02264	0.62548	0.074375
0.094414	0.04141	0.0821	0.07632	0.088038	0.05729	0.025584	0.5813	0.168363
0.073622	0.11209	-0.018	0.69804	0.016877	0.71604	-0.0513	0.26853	-0.08146
0.206564	6.78E-06	0.177763	0.00011	0.238846	1.76E-07	0.069374	0.1344	0.068784
0.083561	0.07122	0.166068	0.00031	0.096684	0.03674	0.162796	0.00041	0.363871
0.075555	0.10295	0.073756	0.11144	0.058218	0.20919	0.063681	0.16948	0.122794
0.081164	0.07975	0.092521	0.04568	0.08138	0.07894	0.054843	0.23685	0.166053
-0.06747	0.14543	-0.0758	0.10185	-0.06197	0.18127	-0.06012	0.19465	-0.12484
0.047352	0.3072	0.108803	0.01868	0.101098	0.02893	0.050586	0.27529	0.146932
0.158713	0.00058	0.135462	0.00336	0.125528	0.0066	0.10685	0.02092	0.155402
0.089283	0.05384	0.045213	0.32959	0.04885	0.29213	0.013063	0.77828	0.178683
0.133351	0.00389	0.309425	8.07E-12	0.179479	9.62E-05	0.315562	2.95E-12	0.597752
0.013104	0.77762	0.01962	0.67237	0.006559	0.88759	0.009733	0.83384	0.000663
0.154995	0.00078	0.158661	0.00058	0.167575	0.00028	0.093815	0.04272	0.149912
0.051187	0.26963	0.107649	0.01997	0.076661	0.098	0.082335	0.07548	0.220545
0.059068	0.20261	0.098676	0.03301	0.101603	0.02813	0.040309	0.38479	0.215451
0.038237	0.40972	0.079566	0.08588	0.075924	0.10128	0.051724	0.26463	0.306107
0.049107	0.28959	0.177845	0.00011	0.103044	0.02596	0.17443	0.00015	0.324869
0.129169	0.00518	0.091535	0.04805	0.143088	0.00194	0.005386	0.90759	0.03313
0.105871	0.02213	0.123333	0.00762	0.125616	0.00657	0.059323	0.20066	0.161241
0.147782	0.00136	0.082307	0.07558	0.103316	0.02557	0.032924	0.47785	0.067529
-4.07E-05	0.9993	0.008543	0.85391	0.028764	0.53523	-0.03914	0.39875	-0.01809
0.084396	0.06843	0.086088	0.06305	0.06613	0.15363	0.057656	0.21363	0.186715
0.038147	0.41082	0.143836	0.00183	0.084892	0.06682	0.121215	0.00874	0.408314
0.177749	0.00011	0.119801	0.00956	0.147843	0.00136	0.051516	0.26656	0.150127
-0.0167	0.71883	-0.02541	0.58387	-0.01599	0.73035	-0.04639	0.3171	0.004299
0.13327	0.00391	0.236046	2.46E-07	0.152688	0.00093	0.217516	2.09E-06	0.337457
0.078006	0.09222	-0.05852	0.20684	0.006976	0.88048	-0.09653	0.03705	-0.15021
0.138865	0.00263	0.13795	0.00281	0.140442	0.00235	0.085406	0.06517	0.242229
0.05912	0.20221	0.079847	0.08477	0.052625	0.25638	0.055669	0.22986	0.169903
0.102597	0.02662	0.193932	2.45E-05	0.139784	0.00247	0.16359	0.00039	0.280914
0.095298	0.03954	0.141708	0.00214	0.083952	0.0699	0.130629	0.00469	0.22005
0.037152	0.42314	-0.0528	0.25478	-0.02784	0.54848	-0.04843	0.29632	-0.08183
0.049722	0.28359	0.058326	0.20835	0.024071	0.60387	0.072883	0.11575	0.120137
0.07063	0.12747	0.069465	0.13389	0.068689	0.1383	0.034714	0.45422	0.030409
0.05832	0.20839	0.03307	0.47589	0.062755	0.17578	0.008029	0.86262	0.024156
0.262503	8.47E-09	0.263861	7.05E-09	0.249092	4.91E-08	0.180137	9.06E-05	0.168551
0.168514	0.00025	0.2141	3.03E-06	0.172322	0.00018	0.172836	0.00017	0.257498



0.073736	0.11153	0.069121	0.13583	0.094113	0.04207	0.035149	0.44859	0.125187
0.056572	0.22238	0.127196	0.00591	0.096018	0.03806	0.101622	0.0281	0.293661
0.081835	0.07728	0.1502	0.00113	0.113385	0.01422	0.111801	0.01564	0.279577
0.032128	0.48855	0.00147	0.97472	0.016675	0.71928	-0.02822	0.543	0.001589
0.124901	0.00688	0.245929	7.32E-08	0.11508	0.01283	0.274181	1.69E-09	0.471642
0.102425	0.02688	0.06836	0.1402	0.019563	0.67327	0.087023	0.06023	0.037195
0.079141	0.08757	0.041821	0.3672	0.076587	0.09832	0.006651	0.88601	-0.00242
0.106127	0.0218	0.147891	0.00135	0.100324	0.03018	0.129739	0.00498	0.259976
0.097122	0.03589	0.113599	0.01404	0.103707	0.02502	0.07088	0.12613	0.208523
0.077058	0.09626	0.093294	0.0439	0.074325	0.10869	0.093404	0.04365	0.020111
0.022665	0.62516	0.094944	0.04028	0.036199	0.43514	0.121669	0.00849	0.079083
0.046483	0.31617	0.055323	0.23277	0.028579	0.53785	0.033824	0.46588	0.056458
-0.00112	0.98072	-0.00938	0.83983	0.013573	0.76987	-0.04627	0.31844	-0.05149
0.070751	0.12682	0.088419	0.05621	0.067449	0.14558	0.064055	0.16699	0.242862
0.068466	0.13959	0.078995	0.08816	0.053941	0.24466	0.053797	0.24593	0.061617
-0.01977	0.67001	0.032086	0.48912	0.00549	0.90582	0.026726	0.56455	0.103456
0.097441	0.03528	0.198116	1.61E-05	0.11796	0.01073	0.200445	1.27E-05	0.337216
0.046589	0.31506	0.018364	0.69224	0.053462	0.24889	-0.02849	0.53916	-0.01753
-0.03513	0.44877	0.016587	0.72071	-0.00851	0.85448	0.010463	0.82159	-0.00161
0.029695	0.52209	0.044825	0.33376	0.031858	0.49221	0.026888	0.56218	0.059576
0.03823	0.40981	-0.02247	0.62815	0.032765	0.47997	-0.08128	0.07931	-0.07422
0.070544	0.12794	0.030958	0.50453	0.070861	0.12623	-0.01922	0.67865	0.06582
0.067221	0.14695	0.147122	0.00143	0.07202	0.12013	0.148328	0.00131	0.317206
0.077246	0.09545	0.051145	0.27002	0.07291	0.11561	0.018661	0.68752	0.045923
-0.00588	0.89914	0.005466	0.90622	0.016249	0.72617	-0.02113	0.64881	-0.00745
0.063795	0.16872	0.017536	0.70545	0.037813	0.41493	-0.02085	0.65321	0.015185
0.071321	0.12378	0.02912	0.53018	0.075232	0.10444	-0.0321	0.48891	-0.02904
0.092329	0.04614	0.036925	0.42598	0.074528	0.10773	-0.02156	0.64212	0.065043
0.04692	0.31163	0.078035	0.09211	0.074657	0.10712	0.032404	0.48482	0.21064
0.049722	0.28359	-0.01575	0.73425	0.019828	0.6691	-0.03674	0.42835	-0.04682
0.040793	0.3791	0.065918	0.15496	0.049282	0.28788	0.044506	0.33722	0.174223
0.061452	0.18495	0.122829	0.00788	0.066572	0.1509	0.128198	0.00553	0.205245
0.087615	0.0585	0.040615	0.38119	0.079809	0.08492	-0.01874	0.68631	0.001448
0.057622	0.2139	-0.02454	0.59677	0.014906	0.74801	-0.07	0.13094	-0.07472
0.184193	6.23E-05	0.11178	0.01566	0.1646	0.00035	0.012492	0.78775	0.070108
0.039772	0.39116	0.119815	0.00955	0.098305	0.03368	0.067555	0.14494	0.329955
0.032129	0.48854	0.139414	0.00253	0.042129	0.36368	0.177116	0.00012	0.239249
0.070869	0.12619	0.015119	0.74453	0.024385	0.59914	-0.0055	0.90562	0.026868
-0.0529	0.25393	-0.16278	0.00041	-0.08997	0.05203	-0.18911	3.91E-05	-0.24308
0.079714	0.08529	0.063868	0.16823	0.053058	0.25249	0.043699	0.34606	-0.00112
0.111745	0.0157	0.020171	0.66372	0.100228	0.03034	-0.0617	0.18317	-0.1113
-0.00802	0.86272	0.065849	0.15539	0.005125	0.91205	0.08787	0.05777	0.07275
-0.0021	0.9639	0.089224	0.054	0.045651	0.32493	0.070195	0.12984	0.247746
0.089905	0.05219	0.096629	0.03685	0.091833	0.04732	0.055166	0.23411	0.240816
0.063486	0.17079	0.118434	0.01042	0.109082	0.01837	0.068067	0.14191	0.225014

0.12743	0.00582	0.225637	8.36E-07	0.138864	0.00263	0.203516	9.31E-06	0.435179
0.036989	0.42518	0.032875	0.4785	0.060299	0.19334	-0.01218	0.79295	0.071976
0.039456	0.39494	0.048404	0.29656	0.040428	0.38339	0.022485	0.62792	0.104679
0.073949	0.1105	0.047494	0.30575	0.068615	0.13872	0.008013	0.86288	0.031075
-0.03889	0.40176	-0.05665	0.22173	-0.02309	0.61861	-0.05692	0.21956	-0.06525
0.14498	0.00168	0.0175	0.70602	0.066761	0.14973	-0.0414	0.37209	0.014222
0.030095	0.51649	-0.04773	0.30333	-0.02293	0.62116	-0.06509	0.1602	-0.08559
0.032357	0.48545	-0.02835	0.54109	0.008275	0.85845	-0.05659	0.22225	-0.02747
0.11137	0.01605	0.077288	0.09527	0.110916	0.01649	0.009879	0.83138	0.032975
0.041888	0.36643	0.037368	0.42044	0.040628	0.38104	0.016763	0.71787	0.033976
0.02766	0.55101	-0.07646	0.09889	0.017982	0.69833	-0.13003	0.00489	-0.1472
0.098332	0.03363	0.001571	0.97299	0.048137	0.29924	-0.01662	0.72014	0.033682
0.037165	0.42298	-0.00403	0.93079	0.026816	0.56323	-0.03569	0.44157	-0.06177
0.148345	0.0013	0.167385	0.00028	0.180397	8.85E-05	0.089799	0.05247	0.060014
0.108618	0.01888	0.167483	0.00028	0.068751	0.13794	0.223709	1.04E-06	0.280656
0.030989	0.5041	0.020543	0.65791	0.040528	0.38221	-0.02465	0.59523	0.008292
0.08329	0.07214	0.04608	0.32039	0.058822	0.20449	0.002995	0.94853	0.123283
0.01969	0.67128	0.106327	0.02156	0.076772	0.09751	0.072975	0.11528	0.195434
0.026943	0.56138	0.120948	0.00889	0.075164	0.10475	0.098013	0.03422	0.223422
0.02596	0.57575	-0.12122	0.00874	-0.0375	0.41884	-0.15982	0.00053	-0.1983
0.089737	0.05263	0.117417	0.0111	0.10654	0.02129	0.078919	0.08847	0.111538
0.048686	0.29375	0.093083	0.04438	0.05797	0.21114	0.079217	0.08727	0.133658
0.227464	6.78E-07	0.287143	2.58E-10	0.23647	2.34E-07	0.242273	1.15E-07	0.273007
0.007068	0.87893	0.122323	0.00814	0.05021	0.27889	0.135373	0.00338	0.185716
0.039016	0.40023	0.012789	0.78282	0.022905	0.6215	-0.01005	0.82856	0.080415
-0.07601	0.10089	-0.07288	0.11574	-0.03736	0.42059	-0.08675	0.06104	-0.15261
-0.04189	0.36637	-0.14188	0.00212	-0.12664	0.00614	-0.1275	0.0058	-0.20045
-0.0629	0.17476	-0.04623	0.31881	-0.05038	0.2773	-0.05037	0.27737	0.001179
-0.03011	0.51628	-0.06721	0.147	-0.01367	0.7683	-0.09439	0.04147	-0.10323
0.009785	0.83297	0.021833	0.63792	0.012748	0.7835	0.013166	0.77659	0.08328
0.012639	0.7853	0.065058	0.16043	0.03375	0.46686	0.087828	0.05789	0.059901
-0.02343	0.61358	0.020724	0.6551	0.00553	0.90512	0.000927	0.98406	0.144726
0.354803	2.67E-15	0.349134	7.82E-15	0.309863	7.51E-12	0.279975	7.38E-10	0.229638
0.106436	0.02142	0.088982	0.05466	0.087077	0.06007	0.047166	0.3091	0.210959
0.184092	6.28E-05	0.081509	0.07847	0.13257	0.00411	0.004421	0.92409	0.110997
-0.00222	0.96181	0.016518	0.72182	0.033369	0.47191	-0.01618	0.72724	-0.01893
0.086528	0.06171	0.042794	0.35615	0.081511	0.07846	-0.01777	0.70168	-0.0298
0.043412	0.34923	-0.01096	0.8133	0.024306	0.60033	-0.032	0.49031	-0.00344
0.076885	0.09701	0.024506	0.59734	0.070364	0.12892	-0.03859	0.40536	-0.01216
0.03623	0.43475	0.074249	0.10905	0.039095	0.39928	0.067119	0.14756	0.083538
-0.04891	0.29158	-0.04992	0.2817	-0.01215	0.79348	-0.08509	0.06618	-0.0664
0.101046	0.02901	0.150476	0.00111	0.115484	0.01251	0.117695	0.01091	0.228668
0.012351	0.79008	-0.0095	0.83778	0.007119	0.87806	-0.03664	0.42954	0.031491
-0.01815	0.69568	-0.0035	0.93994	0.004146	0.92879	-0.01373	0.76721	0.058126
-0.0152	0.74327	-0.01225	0.79172	-0.00156	0.97318	-0.02419	0.60206	-0.06231

0.012209	0.79245	-0.02565	0.58038	0.038215	0.40998	-0.05888	0.20402	-0.08364
0.111255	0.01616	0.059297	0.20086	0.107407	0.02026	0.010639	0.81863	0.052396
0.089988	0.05197	0.16427	0.00036	0.115084	0.01282	0.136895	0.00303	0.26684
0.01327	0.77487	-0.0267	0.56487	-0.01462	0.75275	-0.03285	0.47885	-0.00145
0.081933	0.07693	0.037883	0.41407	0.029312	0.52746	0.028378	0.54071	0.097609
0.009427	0.83899	0.020795	0.65399	0.016385	0.72397	0.004	0.9313	0.0309
-0.05406	0.24363	0.045748	0.32389	-0.02416	0.60253	0.071732	0.12162	0.117979
0.071202	0.12441	0.064166	0.16625	0.085041	0.06634	0.009882	0.83134	0.04657
0.089614	0.05295	0.151665	0.00101	0.10052	0.02986	0.135769	0.00328	0.129719
0.038853	0.4022	-0.02864	0.53695	-0.01734	0.70854	-0.01318	0.77632	-0.05229
-0.01029	0.82448	-0.04158	0.36996	0.00335	0.94244	-0.06516	0.15977	-0.10026
0.093892	0.04255	0.090877	0.04969	0.039361	0.39608	0.103055	0.02595	0.072603
0.090578	0.05044	-0.02321	0.61684	0.049002	0.29063	-0.08741	0.05908	-0.07667
-0.05848	0.20714	0.008123	0.86102	-0.05014	0.27954	0.056839	0.2202	0.01772
0.10232	0.02703	0.030915	0.50513	0.089738	0.05263	-0.01821	0.69476	0.008644
0.129417	0.00509	0.190049	3.57E-05	0.152112	0.00098	0.14783	0.00136	0.336275
0.081552	0.07831	0.135377	0.00338	0.075527	0.10308	0.131033	0.00456	0.24001
0.166195	0.00031	0.181871	7.73E-05	0.171137	0.0002	0.125252	0.00673	0.265867
0.024966	0.59046	0.014828	0.74928	0.016492	0.72223	0.00219	0.96236	0.004893
0.024849	0.59221	-0.03657	0.43045	-0.00055	0.9905	-0.06876	0.13791	-0.07418
0.113617	0.01402	0.009112	0.8443	0.044839	0.33361	-0.02649	0.56794	-0.06303
0.071081	0.12506	0.235301	2.69E-07	0.08927	0.05388	0.296253	6.48E-11	0.273314
0.034004	0.46352	0.034508	0.4569	0.038952	0.40101	0.00474	0.91862	0.054018
-0.09625	0.0376	-0.0062	0.89363	-0.03753	0.41849	-0.00362	0.93783	0.141682
0.117524	0.01103	0.115259	0.01269	0.109737	0.01768	0.066691	0.15017	0.187778
0.1353	0.00339	0.081209	0.07958	0.107345	0.02033	0.050202	0.27897	0.054317
0.222663	1.17E-06	0.283254	4.58E-10	0.222405	1.21E-06	0.222731	1.16E-06	0.48226
0.082816	0.07378	0.069155	0.13564	0.061915	0.18165	0.038671	0.40442	0.048476
0.078178	0.09151	0.116981	0.01141	0.0908	0.04988	0.091461	0.04823	0.266365
0.004691	0.91947	-0.0234	0.61392	-0.03672	0.42862	-0.01959	0.67278	0.126189
-0.02695	0.56126	0.007931	0.86427	0.004845	0.91683	0.007994	0.86321	-0.06831
0.185001	5.77E-05	0.255212	2.23E-08	0.223068	1.12E-06	0.199491	1.40E-05	0.18642
0.056101	0.22626	0.005022	0.91382	0.022631	0.62569	-0.02622	0.57197	0.093515
0.093555	0.0433	0.232008	3.99E-07	0.137162	0.00298	0.236614	2.30E-07	0.274176
-0.03014	0.51587	-0.14923	0.00122	-0.04222	0.36265	-0.1892	3.87E-05	-0.28536
-0.01182	0.79884	-0.02177	0.63897	-0.00142	0.97565	-0.04095	0.37727	-0.11896
0.074845	0.10624	0.123607	0.00749	0.074666	0.10708	0.109668	0.01775	0.196037
-0.02533	0.58505	-0.02048	0.65891	-0.02646	0.56847	-0.02958	0.52373	-0.05136
-0.04798	0.30082	-0.03516	0.44844	0.003872	0.93349	-0.07363	0.11205	-0.06621
0.029088	0.53064	0.067078	0.14781	0.040967	0.37708	0.049841	0.28244	0.199235
0.105572	0.02251	0.090079	0.05173	0.078285	0.09106	0.068301	0.14055	0.090283
0.059317	0.20071	0.036235	0.43468	0.05299	0.2531	0.006931	0.88126	0.065875
0.039773	0.39114	0.036386	0.43278	0.018046	0.69731	0.030771	0.50712	0.018926
-0.00939	0.83966	-0.06844	0.13972	-0.03454	0.45651	-0.08838	0.05634	-0.0617
0.074886	0.10604	0.20222	1.06E-05	0.141726	0.00214	0.172691	0.00018	0.373568

0.058218	0.20919	-0.0173	0.70924	0.060243	0.19376	-0.09653	0.03704	-0.11851
0.20044	1.28E-05	0.10583	0.02218	0.142342	0.00205	0.049273	0.28797	0.089281
0.029166	0.52952	0.036938	0.42581	0.06907	0.13612	-0.02852	0.53875	-0.04895
0.069181	0.13549	0.096904	0.03631	0.072486	0.11775	0.071014	0.12541	0.19976
0.412456	1.32E-20	0.253737	2.70E-08	0.292496	1.15E-10	0.135729	0.00329	0.224105
0.181088	8.30E-05	0.050787	0.27339	0.078668	0.08949	0.037112	0.42364	0.087951
0.022042	0.63471	-0.02243	0.62875	0.010643	0.81857	-0.06164	0.18359	-0.03328
-0.01508	0.74522	0.010307	0.82421	-0.0101	0.82765	0.008514	0.8544	0.032259
0.019291	0.67756	0.014616	0.75274	0.034816	0.4529	-0.0298	0.52061	0.003562
0.055089	0.23476	0.064131	0.16648	0.044032	0.34239	0.060156	0.1944	0.171742
0.081146	0.07981	0.05642	0.22363	0.092266	0.04628	0.01203	0.79542	0.036086
0.047452	0.30617	-0.08296	0.07328	-0.02514	0.58793	-0.1117	0.01573	-0.11642
0.038555	0.40583	0.024227	0.60152	0.042693	0.35728	-0.01019	0.82612	0.053099
-0.00532	0.90864	0.020425	0.65975	0.012271	0.79141	0.010686	0.81786	0.046368
-0.02323	0.61656	0.016487	0.72232	0.017775	0.70162	-0.00853	0.85421	0.036337
-0.0118	0.79926	-0.00497	0.91476	0.003947	0.93221	-0.02746	0.55385	0.06437
-0.05498	0.23568	-0.05775	0.21291	-0.05528	0.23317	-0.05081	0.2732	-0.05331
-0.0051	0.91254	0.075103	0.10503	0.048781	0.29281	0.059719	0.19767	0.179395
0.26801	4.00E-09	0.33762	6.49E-14	0.282936	4.80E-10	0.295668	7.10E-11	0.29129
0.103804	0.02488	-0.00523	0.91033	0.063495	0.17074	-0.04686	0.31229	-0.0934
-0.00566	0.90292	-0.00759	0.8701	0.009748	0.83359	-0.02427	0.6008	-0.07417
0.022799	0.62312	0.023192	0.61714	0.02833	0.5414	-0.0013	0.97768	0.071792
-0.10424	0.02428	-0.10925	0.0182	-0.08612	0.06296	-0.10502	0.02323	-0.19926
-0.04692	0.3116	-0.02246	0.6283	-0.0346	0.45576	-0.01864	0.68778	0.00768
0.017788	0.70143	-0.069	0.1365	-0.00125	0.97846	-0.10672	0.02108	-0.17655
0.072211	0.11915	0.084688	0.06747	0.034803	0.45307	0.104613	0.02377	0.034646
0.120818	0.00896	0.120359	0.00923	0.149523	0.00119	0.055341	0.23262	0.173971
-0.01019	0.82619	-0.08924	0.05395	-0.05947	0.19957	-0.08525	0.06566	-0.1146
0.153391	0.00088	0.09283	0.04496	0.124548	0.00704	0.020944	0.65168	0.036158
0.014913	0.74789	0.150272	0.00113	0.061252	0.18638	0.152011	0.00098	0.269529
0.019213	0.67878	0.03638	0.43285	0.041532	0.37052	0.009547	0.83697	0.043648
0.041666	0.36898	0.023615	0.61073	0.046849	0.31237	-0.01987	0.66847	0.019003
0.080421	0.08255	0.086908	0.06057	0.097012	0.0361	0.033182	0.4744	0.143165
0.068334	0.14035	0.038527	0.40617	0.061765	0.18271	-0.01152	0.80383	0.039467
0.009749	0.83357	0.085005	0.06645	0.051993	0.26215	0.063967	0.16757	0.108383
-0.0519	0.26301	0.049812	0.28272	-0.00114	0.98039	0.05518	0.23398	0.08427
-0.00175	0.96989	-0.08057	0.08198	-0.05361	0.24755	-0.09294	0.0447	-0.07099
0.042137	0.36359	0.143406	0.00189	0.084679	0.0675	0.134305	0.00364	0.128409
-0.05523	0.23353	0.009288	0.84135	-0.0095	0.83775	0.00868	0.8516	0.132615
0.064567	0.16362	0.011787	0.79946	0.071674	0.12193	-0.04317	0.35191	-0.05871
0.062372	0.17844	0.061976	0.18122	0.06367	0.16956	0.03232	0.48595	0.104132
-0.08073	0.08139	-0.17372	0.00016	-0.08425	0.0689	-0.18547	5.52E-05	-0.25237
0.042746	0.35669	0.070448	0.12846	0.048649	0.29412	0.041325	0.37291	0.169699
0.055938	0.22761	-0.01356	0.77004	0.013242	0.77534	-0.03207	0.48936	-0.14124
0.137442	0.00292	0.177308	0.00012	0.191228	3.18E-05	0.094826	0.04053	0.211381

0.041021	0.37644	0.062167	0.17988	0.045863	0.32268	0.040425	0.38343	0.195785
0.058326	0.20835	0.048185	0.29876	0.052258	0.25972	0.015612	0.73649	0.002665
0.016577	0.72087	0.030795	0.50678	0.024587	0.59612	0.013698	0.76782	0.049436
-0.05294	0.25359	0.029526	0.52446	-0.0247	0.59449	0.069956	0.13116	0.024526
0.167406	0.00028	0.017479	0.70637	0.103946	0.02468	-0.07101	0.12542	0.051008
0.184598	5.99E-05	0.256931	1.78E-08	0.203352	9.46E-06	0.231643	4.16E-07	0.162234
-0.03421	0.46082	-0.0042	0.92783	-0.02943	0.52576	-0.02361	0.61082	0.00418
0.078586	0.08982	-0.05827	0.20876	0.011325	0.80716	-0.10651	0.02134	0.003822
0.013122	0.77732	0.06817	0.14131	0.047939	0.30123	0.05359	0.24776	0.120002
0.063146	0.17311	0.071183	0.12451	0.06233	0.17873	0.038037	0.41217	0.104664
0.091351	0.0485	0.130155	0.00485	0.121009	0.00885	0.0752	0.10458	0.188184
0.11274	0.01479	-0.02137	0.64511	0.07972	0.08527	-0.09229	0.04622	-0.10198
0.086314	0.06236	0.021277	0.6465	0.02223	0.63182	0.008195	0.8598	0.066507
0.036464	0.43178	0.020323	0.66135	0.019315	0.67717	-0.00142	0.97566	0.065039
0.070215	0.12973	0.01183	0.79875	0.054897	0.23639	-0.03874	0.40356	-0.01626
0.08649	0.06182	0.087735	0.05815	0.096411	0.03728	0.049739	0.28343	0.063206
0.088451	0.05612	0.105176	0.02302	0.097142	0.03585	0.059605	0.19853	0.149778
0.202657	1.02E-05	0.236195	2.42E-07	0.254316	2.50E-08	0.134882	0.0035	0.148771
0.081861	0.07718	0.057852	0.21207	0.056642	0.2218	0.042024	0.36487	0.03612
0.009278	0.84151	0.016721	0.71855	0.046097	0.32021	-0.01204	0.79532	-0.02248
0.047456	0.30613	0.051236	0.26917	0.068646	0.13855	0.001528	0.97373	0.027638
0.053439	0.24909	0.009749	0.83358	0.036866	0.42671	-0.03319	0.47433	-0.00292
0.026637	0.56584	0.008834	0.84899	-0.01189	0.79777	0.011508	0.80412	0.003767
0.056233	0.22517	-0.00994	0.83042	0.035807	0.44013	-0.0167	0.71882	-0.10063
0.019161	0.67961	0.064802	0.16208	0.021187	0.64791	0.075346	0.10391	0.107821
0.032101	0.48891	-0.04297	0.35415	0.050344	0.27761	-0.10386	0.0248	-0.15346
0.103717	0.025	0.116866	0.01149	0.114077	0.01364	0.082548	0.07473	0.127627
0.017525	0.70563	0.163656	0.00038	0.070689	0.12715	0.166026	0.00031	0.299962
0.145095	0.00167	0.301038	3.08E-11	0.181541	7.96E-05	0.320466	1.30E-12	0.32165
0.171777	0.00019	0.090029	0.05186	0.082652	0.07436	0.071535	0.12266	0.185328
0.049349	0.28723	0.009846	0.83194	0.050863	0.27267	-0.02431	0.60034	-0.07114
0.038812	0.4027	0.083919	0.07001	0.06761	0.14462	0.055686	0.22971	0.144413
0.240754	1.39E-07	0.126807	0.00607	0.167596	0.00027	0.063267	0.17228	0.121203
0.083814	0.07036	-0.01399	0.76307	0.028705	0.53606	-0.06091	0.18885	-0.00054
0.364217	4.27E-16	0.202061	1.08E-05	0.247646	5.89E-08	0.095888	0.03832	0.209631
0.203899	8.94E-06	0.190455	3.43E-05	0.144457	0.00175	0.173382	0.00017	0.254723
0.038742	0.40356	-0.04804	0.30026	0.006056	0.89616	-0.10293	0.02613	-0.02561
0.128121	0.00556	0.175106	0.00014	0.136903	0.00303	0.14792	0.00135	0.175233
0.115294	0.01266	0.130345	0.00478	0.077272	0.09534	0.121347	0.00866	0.300688
-0.00542	0.90699	0.018513	0.68987	0.011337	0.80696	0.02784	0.54842	0.012923
-0.00792	0.86443	0.006988	0.88029	-0.00042	0.99275	-6.29E-05	0.99892	0.032258
0.025134	0.58797	0.101368	0.0285	0.050635	0.27483	0.095765	0.03857	0.207345
0.095331	0.03947	0.055792	0.22883	0.06302	0.17397	0.031535	0.49662	0.006276
0.088812	0.05513	0.022979	0.62038	0.069478	0.13381	-0.03117	0.50164	-0.00274
0.072421	0.11808	0.016665	0.71945	0.055693	0.22965	-0.03514	0.44864	0.039476

0.036171	0.4355	0.116559	0.01171	0.052193	0.26031	0.107971	0.0196	0.339245
0.030217	0.51479	-0.00925	0.84194	0.017006	0.71395	-0.03909	0.39934	0.063127
0.08096	0.08051	0.155866	0.00073	0.123507	0.00754	0.112332	0.01515	0.197868
0.11374	0.01392	0.142276	0.00206	0.124269	0.00717	0.109503	0.01793	0.172959
-0.03247	0.48389	0.051424	0.26742	0.002677	0.95399	0.05937	0.2003	0.145613
0.084435	0.0683	0.011583	0.80286	0.074314	0.10875	-0.05176	0.26433	-0.06081
0.052686	0.25584	0.006802	0.88345	0.032792	0.47961	-0.03015	0.51569	-0.03127
0.023571	0.6114	-0.00435	0.9253	0.029255	0.52827	-0.05912	0.20224	-0.02089
0.077637	0.09378	0.058798	0.20468	0.103766	0.02493	-0.01068	0.81789	0.019776
-0.07874	0.08919	-0.08605	0.06318	-0.06167	0.18337	-0.10262	0.02659	-0.16815
-0.03273	0.48051	-0.13247	0.00414	-0.0561	0.22628	-0.18575	5.38E-05	-0.20358
0.015187	0.74342	-0.01128	0.80792	0.018491	0.69022	-0.02616	0.57289	-0.12679
0.105616	0.02245	0.252435	3.20E-08	0.127704	0.00572	0.275539	1.39E-09	0.387177
0.007575	0.87032	0.089992	0.05196	0.064231	0.16582	0.062124	0.18018	0.166025
0.050074	0.2802	0.092221	0.04639	0.079755	0.08514	0.059983	0.19569	0.114817
0.044483	0.33746	0.018774	0.68573	0.04749	0.30579	-0.02954	0.52423	-0.00995
0.134353	0.00363	0.201932	1.10E-05	0.163426	0.00039	0.147209	0.00142	0.396347
0.039457	0.39492	-0.00943	0.83891	-0.00349	0.94012	-0.00656	0.8875	-0.00082
0.071337	0.1237	0.105516	0.02258	0.144128	0.00179	0.007957	0.86383	0.170813
0.337012	7.24E-14	0.320434	1.30E-12	0.315545	2.96E-12	0.200123	1.32E-05	0.442112
0.11213	0.01534	0.107597	0.02003	0.097821	0.03457	0.083447	0.07161	0.261425
0.144191	0.00178	0.121439	0.00861	0.093094	0.04435	0.120631	0.00907	0.202129
0.070909	0.12597	0.145208	0.00165	0.163355	0.00039	0.049401	0.28672	0.248732
0.217704	2.04E-06	0.156915	0.00067	0.197012	1.80E-05	0.047044	0.31036	0.214732
0.027021	0.56025	0.059701	0.1978	0.034533	0.45658	0.048753	0.2931	0.10156
0.014939	0.74746	0.200528	1.26E-05	0.063349	0.17172	0.258344	1.48E-08	0.268349
-0.00555	0.90471	-0.04769	0.30374	-0.05511	0.23456	-0.03433	0.4592	0.024296
0.145991	0.00156	0.051241	0.26913	0.089061	0.05444	0.004724	0.9189	0.100581
0.080869	0.08085	0.119298	0.00987	0.08492	0.06672	0.08218	0.07604	0.30392
0.089085	0.05438	0.185942	5.28E-05	0.125811	0.00648	0.164706	0.00035	0.40286
0.056503	0.22294	-0.01247	0.78804	0.034491	0.45713	-0.04674	0.31353	-0.05372
0.02175	0.63919	-0.02124	0.64701	0.006232	0.89315	-0.05798	0.21109	-0.03652
0.05134	0.2682	0.032325	0.48589	0.019116	0.68032	0.023099	0.61855	0.122554
0.033436	0.47102	0.048073	0.29988	0.032455	0.48414	0.03158	0.496	0.149342
0.137684	0.00287	0.058197	0.20935	0.107144	0.02057	-0.01166	0.80153	-0.00042
0.050875	0.27256	0.148749	0.00126	0.072212	0.11915	0.152782	0.00093	0.289331
0.054292	0.24161	0.05916	0.2019	0.068662	0.13845	0.01063	0.81878	0.096703
0.069214	0.1353	0.068041	0.14207	0.093655	0.04308	0.000473	0.99187	0.065081
0.016988	0.71425	0.034158	0.46149	0.019237	0.67841	0.019062	0.68117	0.015063
-0.09086	0.04974	-0.16119	0.00047	-0.10238	0.02694	-0.16436	0.00036	-0.17578
-0.03912	0.39901	-0.02664	0.56585	-0.0241	0.60344	-0.03647	0.43176	-0.0291
0.045974	0.32151	0.051043	0.27098	0.043185	0.35176	0.016247	0.72619	0.159932
-0.05481	0.23715	-0.04196	0.36555	-0.01545	0.73905	-0.06216	0.17993	-0.07298
0.009525	0.83735	-0.13431	0.00364	-0.06204	0.18074	-0.1555	0.00075	-0.28879
0.020183	0.66353	-0.01313	0.77719	0.008536	0.85403	-0.04897	0.29094	-0.07715

-0.0366	0.43001	-0.04506	0.3312	-0.00636	0.89101	-0.07481	0.1064	-0.10491
-0.02398	0.60528	-0.03249	0.48371	-0.00862	0.85259	-0.0443	0.33942	-0.04822
-0.05427	0.24182	-0.06895	0.1368	-0.03597	0.43801	-0.0845	0.06809	-0.14092
0.091588	0.04792	0.023466	0.61299	0.090469	0.05072	-0.01942	0.67551	-0.06828
0.093072	0.0444	0.149852	0.00116	0.116851	0.0115	0.121861	0.00838	0.218743
0.048489	0.29571	0.047617	0.3045	0.054581	0.23911	0.018846	0.68458	-0.07718
0.065655	0.15661	0.075898	0.10139	0.084561	0.06789	0.036985	0.42522	-0.02242
0.030853	0.50598	-0.01522	0.74286	0.010776	0.81635	-0.03045	0.51158	-0.0329
0.2053	7.73E-06	0.06936	0.13448	0.133283	0.00391	-0.00075	0.98716	0.053505
0.197658	1.69E-05	0.233765	3.24E-07	0.197062	1.79E-05	0.188848	4.01E-05	0.146262
0.115876	0.01222	0.056706	0.22128	0.07862	0.08968	0.01784	0.70059	0.050537
-0.04711	0.30968	0.059486	0.19942	-0.00496	0.91483	0.083361	0.0719	0.151549
-0.01228	0.79122	-0.00669	0.88542	-0.00558	0.90435	-0.02625	0.57151	0.047987
-0.00618	0.8941	-0.01201	0.79572	-0.00714	0.87765	-0.01606	0.7292	-0.03412
0.017185	0.71108	0.018198	0.69488	0.060201	0.19407	-0.03688	0.42653	-0.06852
0.031153	0.50185	0.001549	0.97337	0.029602	0.52338	-0.03842	0.4075	-0.01171
0.013913	0.76428	0.019716	0.67086	0.026934	0.56151	-0.02654	0.56725	-0.0207
-0.05591	0.22786	-0.14408	0.0018	-0.06755	0.14495	-0.15729	0.00065	-0.21184
0.154454	0.00081	0.158737	0.00058	0.177417	0.00012	0.078032	0.09212	0.229442
0.116482	0.01177	0.072426	0.11805	0.086744	0.06106	0.040221	0.38583	0.127579
0.031646	0.49511	0.136029	0.00323	0.091644	0.04778	0.107322	0.02035	0.219234
0.085784	0.06399	0.108458	0.01906	0.160601	0.00049	0.015436	0.73936	0.109172
-0.01819	0.69508	-0.02062	0.65677	0.00842	0.85599	-0.04022	0.38582	-0.09108
-0.04931	0.28761	-0.09843	0.03346	-0.04329	0.35062	-0.12134	0.00867	-0.13906
0.069661	0.13279	0.070241	0.12959	0.095183	0.03978	0.006275	0.89242	0.041539
0.000595	0.98977	0.063279	0.1722	0.038667	0.40447	0.048421	0.29639	0.008845
0.054359	0.24103	0.029378	0.52654	0.064713	0.16266	-0.01321	0.77587	0.044873
-0.03657	0.43043	0.052299	0.25935	0.008552	0.85377	0.061682	0.1833	0.162466
0.093555	0.0433	0.116262	0.01193	0.091449	0.04826	0.084229	0.06898	0.252576
0.009803	0.83267	-0.02944	0.52568	0.006132	0.89486	-0.05836	0.20812	-0.1005
0.048287	0.29773	0.026174	0.57262	0.021157	0.64837	0.020637	0.65645	0.130728
0.013376	0.77313	0.048426	0.29634	0.042454	0.35998	0.01349	0.77124	0.011686
0.021096	0.64931	0.083017	0.07309	0.061154	0.18709	0.042934	0.35457	0.133585
0.029186	0.52924	0.081654	0.07794	0.042138	0.36358	0.069212	0.13531	0.150807
0.016753	0.71803	0.055929	0.22769	0.03226	0.48676	0.043694	0.34611	0.069066
0.127849	0.00566	0.108659	0.01883	0.12004	0.00942	0.071156	0.12466	0.063748
0.124835	0.00691	0.032829	0.47912	0.033844	0.46562	0.012963	0.77994	0.093837
0.066267	0.15278	0.097633	0.03492	0.075754	0.10205	0.071783	0.12136	0.172294
0.00097	0.98331	0.030691	0.50822	0.01623	0.72648	0.019541	0.67362	0.118915
0.039833	0.39044	0.047065	0.31014	0.035335	0.44619	0.032419	0.48463	0.073762
0.016462	0.72272	0.079846	0.08478	0.068627	0.13865	0.041773	0.36775	0.117966
-0.08573	0.06415	-0.0692	0.13537	-0.05119	0.26957	-0.07646	0.09887	-0.04049
-0.02466	0.59507	0.014516	0.75439	-0.01898	0.68239	0.022797	0.62315	0.052642
0.078364	0.09074	0.145302	0.00164	0.091678	0.0477	0.146932	0.00145	0.152639
0.057815	0.21237	0.046311	0.31796	0.072592	0.11721	0.007215	0.87643	0.008526

0.026413	0.56911	0.065806	0.15567	0.049261	0.28808	0.061155	0.18708	0.077871
0.11421	0.01353	0.060538	0.19157	0.069882	0.13157	0.032611	0.48204	0.011539
-0.07268	0.11677	-0.13869	0.00267	-0.09376	0.04284	-0.13087	0.00461	-0.26093
0.006809	0.88332	0.063318	0.17193	0.031423	0.49815	0.05437	0.24093	0.064961
0.019339	0.67679	-0.02453	0.59705	-0.0114	0.80599	-0.04114	0.3751	-0.02741
0.06509	0.16022	0.063189	0.17281	0.049638	0.2844	0.053231	0.25094	0.084433
-0.00392	0.93261	-0.02638	0.56954	-0.01351	0.77098	-0.0306	0.50952	-0.02808
0.120517	0.00914	0.094764	0.04066	0.13015	0.00485	0.021365	0.64514	0.05545
0.103023	0.02599	-0.02041	0.66001	-0.00831	0.85786	-0.0067	0.88523	-0.07813
0.000887	0.98475	0.039675	0.39232	0.014276	0.75831	0.033037	0.47634	0.127377
0.179912	9.25E-05	0.213586	3.21E-06	0.154897	0.00078	0.193072	2.66E-05	0.276309
0.043523	0.34801	0.079206	0.08731	0.041438	0.37161	0.066829	0.14932	0.071652
0.148818	0.00126	0.066729	0.14993	0.12413	0.00724	-0.01011	0.8275	-0.02301
0.275977	1.31E-09	0.172497	0.00018	0.225244	8.75E-07	0.07306	0.11486	0.246405
-0.0141	0.76113	-0.07596	0.1011	-0.05354	0.24816	-0.08247	0.07502	-0.18257
0.269112	3.44E-09	0.34592	1.42E-14	0.253686	2.72E-08	0.33378	1.29E-13	0.478595
-0.02982	0.5204	-0.0396	0.39326	-0.02693	0.56159	-0.03469	0.45451	-0.01174
0.108818	0.01866	0.265424	5.70E-09	0.156079	0.00071	0.285835	3.13E-10	0.275954
0.091868	0.04724	0.029094	0.53055	0.047589	0.30478	0.010956	0.81333	0.109531
0.039751	0.39141	0.019649	0.67191	0.062795	0.17551	-0.03608	0.43666	0.000986
0.017025	0.71365	-0.0296	0.52341	-0.01873	0.68639	-0.03817	0.4105	-0.05186
-0.02611	0.57354	-0.01531	0.74136	-0.00979	0.83286	-0.02397	0.60542	-0.04194
0.05792	0.21154	-0.04525	0.32917	0.000348	0.99402	-0.06777	0.14365	-0.12771
0.052007	0.26202	-0.05975	0.19746	0.026502	0.56781	-0.1227	0.00794	-0.17984
-0.00689	0.88201	-0.0183	0.6933	0.000834	0.98566	-0.03759	0.41764	-0.05017
0.072372	0.11833	-0.12156	0.00855	3.55E-05	0.99939	-0.18885	4.01E-05	-0.1721
0.045701	0.3244	0.031274	0.50019	0.050577	0.27538	-0.01087	0.81481	0.050913
0.141869	0.00212	0.167167	0.00029	0.125118	0.00678	0.14989	0.00116	0.145831
-0.02579	0.57827	0.060602	0.19111	0.032365	0.48536	0.051214	0.26938	0.116866
0.061221	0.18661	0.05261	0.25653	0.023641	0.61034	0.059427	0.19987	0.070699
0.016467	0.72265	0.004064	0.9302	0.008568	0.85349	-0.01151	0.80401	-0.08891
0.007849	0.86567	0.041649	0.36917	0.010494	0.82107	0.04648	0.3162	0.02472
0.196763	1.85E-05	0.225275	8.72E-07	0.208696	5.41E-06	0.149219	0.00122	0.204903
-0.02399	0.60508	-0.0059	0.89875	0.00832	0.85769	-0.03768	0.4166	-0.01618
0.043979	0.34297	0.148342	0.0013	0.082254	0.07577	0.146246	0.00153	0.287562
0.060715	0.19028	0.057565	0.21435	0.059799	0.19707	0.014486	0.75488	0.233284
0.049327	0.28744	0.12228	0.00816	0.075331	0.10398	0.114938	0.01294	0.30066
0.006377	0.89068	0.034934	0.45137	0.022149	0.63306	0.028834	0.53423	0.091859
0.091608	0.04787	0.041401	0.37203	0.075014	0.10545	-0.0192	0.67896	0.037458
0.077911	0.09262	0.079389	0.08658	0.084074	0.06949	0.038699	0.40407	0.117563
0.043191	0.3517	0.064094	0.16673	0.054165	0.24271	0.035734	0.44107	0.041193
0.004905	0.91581	-0.00045	0.99221	0.00948	0.8381	-0.01288	0.7813	0.013198
0.08546	0.065	0.01167	0.8014	0.067625	0.14452	-0.04511	0.33072	-0.04479
0.088984	0.05465	0.089285	0.05384	0.073677	0.11182	0.063286	0.17215	0.128151
0.038098	0.41142	0.146019	0.00156	0.065918	0.15496	0.154523	0.00081	0.30628



0.111346	0.01607	0.170145	0.00022	0.168395	0.00026	0.09509	0.03997	0.458093
0.083451	0.07159	0.183009	6.95E-05	0.141691	0.00215	0.141557	0.00217	0.311837
0.068591	0.13887	0.039509	0.3943	0.057105	0.21804	-0.00448	0.92307	0.023853
-0.00656	0.88756	0.049434	0.2864	0.025614	0.58087	0.020597	0.65707	0.099102
0.095672	0.03876	0.017792	0.70137	0.055178	0.234	-0.02909	0.53054	-0.03546
0.093346	0.04378	0.127231	0.0059	0.118796	0.01019	0.07917	0.08745	0.240725
0.175744	0.00013	0.028463	0.5395	0.106248	0.02165	-0.03614	0.43586	-0.02481
0.301741	2.76E-11	0.13877	0.00265	0.230202	4.93E-07	0.030823	0.5064	-0.01521
0.087702	0.05825	-0.07888	0.0886	0.041178	0.37462	-0.14922	0.00122	-0.21706
0.090491	0.05067	0.250969	3.86E-08	0.133386	0.00388	0.257789	1.59E-08	0.336847
0.173778	0.00016	0.046739	0.31351	0.094917	0.04033	0.000787	0.98647	0.032092
0.067226	0.14691	0.037126	0.42346	0.05273	0.25544	0.000965	0.9834	0.078471
0.160663	0.00049	0.156488	0.00069	0.116221	0.01196	0.126365	0.00625	0.254456
0.293412	1.00E-10	0.194437	2.33E-05	0.187519	4.55E-05	0.140637	0.00232	0.258767
0.085048	0.06631	0.184519	6.04E-05	0.101428	0.0284	0.191691	3.04E-05	0.265307
0.019209	0.67885	-0.03715	0.42313	-0.00149	0.97442	-0.07169	0.12185	-0.08711
0.177711	0.00011	0.184122	6.27E-05	0.150512	0.0011	0.150231	0.00113	0.370585
0.055436	0.23181	0.116448	0.01179	0.071515	0.12276	0.102455	0.02683	0.235891
0.136735	0.00307	0.06308	0.17355	0.099581	0.03143	0.012182	0.79288	0.195051
0.046726	0.31365	0.027059	0.5597	0.039387	0.39577	-0.00633	0.8915	0.02327
0.0619	0.18176	0.036147	0.4358	0.052666	0.25602	-0.00876	0.85026	0.015105
0.046377	0.31728	0.104804	0.02351	0.082009	0.07665	0.062127	0.18016	0.133381
0.01703	0.71358	-0.01523	0.74265	-0.00938	0.83987	-0.02895	0.53255	0.005767
-0.01541	0.73974	-0.03983	0.39052	-0.00016	0.99729	-0.0646	0.16338	-0.04645
0.025732	0.57911	0.044067	0.34201	0.042249	0.36231	0.029124	0.53012	0.097124
0.018562	0.68909	0.000818	0.98594	0.041689	0.36871	-0.03305	0.47615	-0.06678
-0.03487	0.45217	-0.11269	0.01483	-0.03816	0.4107	-0.14963	0.00118	-0.21799
0.216112	2.43E-06	0.204864	8.09E-06	0.18794	4.37E-05	0.153031	0.00091	0.218437
0.014012	0.76265	0.08185	0.07722	0.047073	0.31006	0.069246	0.13512	0.108621
-0.03238	0.48513	-0.00313	0.94623	-0.0442	0.3405	0.014208	0.75943	0.062824
0.062325	0.17877	0.068015	0.14222	0.100962	0.02914	0.016802	0.71724	0.027092
0.033073	0.47585	-0.01166	0.80156	0.01413	0.76072	-0.01396	0.76346	-0.04489
0.007609	0.86974	0.073567	0.11235	0.014185	0.75981	0.089934	0.05211	0.076259
-0.0125	0.78755	0.04918	0.28888	0.010224	0.8256	0.067408	0.14582	0.117605
0.046052	0.32068	0.109565	0.01786	0.06775	0.14378	0.116777	0.01155	0.16174
0.086597	0.0615	0.198566	1.54E-05	0.084784	0.06716	0.239405	1.64E-07	0.168428
0.002059	0.9646	0.044653	0.33562	-0.00277	0.95243	0.056972	0.21912	0.168553
0.010593	0.81941	0.0152	0.74321	0.015879	0.73216	-0.01009	0.82782	0.017121
0.116543	0.01172	0.120279	0.00928	0.14379	0.00184	0.052311	0.25924	0.101041
0.087359	0.05924	0.025339	0.58493	0.046447	0.31655	-0.01148	0.80456	0.017118
0.033961	0.46408	0.113585	0.01405	0.071621	0.1222	0.115572	0.01245	0.173389
-0.02504	0.58943	-0.01715	0.71166	-0.00102	0.98249	-0.03625	0.43452	-0.00705
0.045053	0.33131	0.026674	0.5653	0.046598	0.31498	-0.02138	0.64498	0.027188
0.069359	0.13448	0.031665	0.49485	0.061053	0.18782	-0.01011	0.82757	0.102478
0.065327	0.1587	-0.0031	0.94669	0.030955	0.50458	-0.04824	0.29817	0.021226

0.114124	0.0136	0.150442	0.00111	0.12884	0.0053	0.104412	0.02404	0.251582
0.003056	0.94748	0.012379	0.78961	0.03111	0.50244	-0.03642	0.4323	0.00395
0.066653	0.1504	-0.01825	0.69406	0.027067	0.55959	-0.06721	0.14701	-0.06336
0.12972	0.00499	0.085496	0.06489	0.12054	0.00912	0.01449	0.75481	0.063002
0.038153	0.41074	0.005044	0.91344	0.038362	0.40818	-0.04502	0.33169	-0.03775
0.086481	0.06185	0.098816	0.03277	0.093721	0.04293	0.050909	0.27224	0.046374
0.049369	0.28703	0.152194	0.00097	0.083423	0.07169	0.144935	0.00169	0.393447
-0.01835	0.6925	-0.02307	0.61902	-0.00318	0.94537	-0.02943	0.52581	-0.09604
0.045038	0.33147	-0.02146	0.64375	0.008739	0.8506	-0.0396	0.3932	-0.06889
0.04704	0.3104	0.093137	0.04425	0.06241	0.17817	0.083912	0.07003	0.096193
0.014026	0.76242	0.106037	0.02192	0.027968	0.54658	0.127796	0.00568	0.256519
0.128033	0.00559	0.174303	0.00015	0.138956	0.00262	0.137195	0.00297	0.1246
0.131739	0.00435	0.172625	0.00018	0.15229	0.00096	0.129964	0.00491	0.277321
0.210388	4.52E-06	0.369675	1.43E-16	0.293966	9.21E-11	0.320492	1.29E-12	0.240478
0.020278	0.66205	0.035672	0.44185	0.045718	0.32422	0.005236	0.91016	0.076051
-0.01546	0.73898	-0.02025	0.66256	0.028594	0.53764	-0.06192	0.18161	-0.05981
0.050351	0.27754	0.043894	0.34391	0.02932	0.52736	0.016705	0.7188	0.096098
-0.01584	0.73285	-0.0109	0.81423	-0.00418	0.9282	-0.03304	0.47626	-0.03865
0.08549	0.06491	0.064873	0.16163	0.043991	0.34285	0.064352	0.16502	0.234449
0.153986	0.00084	0.060894	0.18897	0.140665	0.00231	-0.02847	0.53935	0.009359
-0.00554	0.90502	-0.04738	0.30688	-0.03804	0.41217	-0.04079	0.37917	-0.018
0.046866	0.3122	0.185072	5.73E-05	0.080811	0.08107	0.224268	9.78E-07	0.258363
-0.02104	0.65023	0.050891	0.27241	0.022781	0.6234	0.035005	0.45045	0.123606
0.021899	0.6369	0.012237	0.79197	0.041456	0.37139	-0.00351	0.93977	-0.03215
0.060728	0.19019	0.062353	0.17857	0.075931	0.10124	0.019169	0.67948	0.025978
0.12352	0.00753	0.066148	0.15352	0.107214	0.02048	-0.0022	0.96226	0.024244
0.023893	0.60654	0.006379	0.89065	0.006359	0.89099	-0.00131	0.97746	0.081692
0.01554	0.73767	0.020836	0.65335	0.016542	0.72144	0.004129	0.92909	0.057793
0.032131	0.48851	0.019559	0.67333	0.021172	0.64814	-0.00475	0.91839	0.010897
0.095922	0.03825	0.098626	0.03311	0.100158	0.03046	0.05366	0.24714	0.194605
0.122366	0.00812	0.008358	0.85705	0.083751	0.07057	-0.06305	0.17375	0.025257
-0.01509	0.74507	-0.00355	0.93907	-0.01327	0.77491	-0.00325	0.94422	-0.00876
0.084324	0.06867	0.039004	0.40038	0.112717	0.01481	-0.0557	0.2296	0.062538
0.09526	0.03961	0.069616	0.13304	0.085403	0.06518	0.018065	0.697	0.012414
0.041647	0.3692	0.043716	0.34588	0.045003	0.33184	0.01769	0.70298	0.03608
-0.02695	0.56123	-0.00538	0.90763	-0.02734	0.55564	0.013294	0.77448	-0.00602
0.098772	0.03284	0.19571	2.05E-05	0.138586	0.00269	0.156778	0.00067	0.42233
-0.02736	0.55537	-0.02024	0.66266	-0.02666	0.56547	-0.02217	0.63279	-0.0293
0.073356	0.11339	0.013607	0.76931	-0.00234	0.95981	0.012627	0.7855	-0.03069
0.152011	0.00098	0.194507	2.31E-05	0.13052	0.00473	0.208766	5.37E-06	0.167869
0.005897	0.89887	-0.03162	0.4954	-0.0098	0.83273	-0.05917	0.20181	-0.0787
0.086526	0.06172	0.018051	0.69722	0.062049	0.1807	-0.02877	0.53519	-0.03384
0.125079	0.0068	0.069752	0.13229	0.099277	0.03196	0.058621	0.20605	-0.03911
0.029906	0.51913	0.052575	0.25684	0.037138	0.42331	0.041362	0.37248	0.03608
-0.0038	0.93472	-0.03962	0.393	-0.00243	0.95826	-0.06326	0.17233	-0.04975

0.110118	0.01729	0.04785	0.30214	0.080396	0.08265	0.005846	0.89974	0.170358
0.077521	0.09427	0.080539	0.0821	0.060237	0.1938	0.063325	0.17189	0.135575
0.048674	0.29388	-0.02465	0.59522	0.023649	0.61022	-0.06712	0.14754	-0.07744
0.09884	0.03272	0.107141	0.02057	0.08486	0.06692	0.07276	0.11636	0.126034
0.005928	0.89833	0.061192	0.18681	0.012516	0.78735	0.059962	0.19584	0.183287
0.09309	0.04436	0.074172	0.10943	0.074588	0.10744	0.039319	0.39658	0.163494
0.019479	0.67459	-0.01608	0.7289	0.002936	0.94954	-0.00783	0.86594	-0.0598
0.17997	9.20E-05	0.130002	0.0049	0.152565	0.00094	0.065275	0.15904	0.095051
0.015529	0.73784	0.01522	0.74287	0.022316	0.63051	0.00862	0.85261	-0.02099
-0.00229	0.96065	-0.01218	0.793	-0.00179	0.96919	-0.02264	0.6255	-0.00185
0.15643	0.00069	-0.00941	0.83924	0.091457	0.04824	-0.08473	0.06735	-0.03005
0.07011	0.13031	0.035232	0.44751	0.035827	0.43987	0.010695	0.8177	0.146301
0.119421	0.00979	-0.00319	0.94522	0.010806	0.81583	0.003694	0.93654	0.006707
0.051411	0.26754	-0.02249	0.62791	-0.00626	0.89275	-0.03052	0.51061	-0.00095
0.043732	0.34569	0.145936	0.00157	0.093377	0.04371	0.120266	0.00928	0.347586
0.060651	0.19075	0.016327	0.72491	0.077092	0.09611	-0.05101	0.27131	-0.01569
-0.00853	0.85414	-0.06844	0.13977	-0.04433	0.33909	-0.07648	0.09878	-0.12974
0.020153	0.66401	0.07737	0.09492	0.046205	0.31908	0.05932	0.20068	0.250088
-0.00454	0.92198	-0.01119	0.80937	-0.02145	0.64381	-0.0203	0.6617	-0.02072
-0.04961	0.28471	-0.02673	0.56446	-0.03462	0.45542	-0.03985	0.39019	0.066558
0.107327	0.02035	0.059791	0.19712	0.080316	0.08295	0.009332	0.8406	0.025069
0.151242	0.00104	0.116311	0.01189	0.148316	0.00131	0.035869	0.43934	0.150456
0.111675	0.01576	0.180264	8.96E-05	0.1343	0.00364	0.144148	0.00179	0.255819
0.057551	0.21447	0.020658	0.65612	0.062345	0.17863	-0.03724	0.42206	0.00122
-0.0014	0.97596	0.07246	0.11788	0.030378	0.51255	0.058771	0.20489	0.190086
0.042509	0.35936	0.032884	0.47838	0.041897	0.36633	-0.00111	0.98093	0.077823
0.027964	0.54663	0.093371	0.04372	0.033073	0.47586	0.109379	0.01806	0.196185
0.012487	0.78783	0.063491	0.17076	0.023062	0.61912	0.063604	0.17	0.129072
0.110128	0.01728	0.087039	0.06018	0.092531	0.04566	0.059986	0.19566	0.22969
0.085408	0.06517	0.182334	7.40E-05	0.113081	0.01449	0.172242	0.00018	0.276638
0.087469	0.05892	0.134425	0.00361	0.112174	0.0153	0.103904	0.02474	0.179603
0.060383	0.19272	0.057717	0.21314	0.053955	0.24454	0.029935	0.51873	0.1152
-0.04377	0.34524	-0.15611	0.00071	-0.10176	0.02788	-0.15775	0.00062	-0.23946
0.078669	0.08948	0.04749	0.30579	0.057981	0.21105	0.009713	0.83418	0.067807
0.049197	0.28872	0.079569	0.08587	0.038205	0.41011	0.064355	0.165	0.241665
0.208867	5.32E-06	0.164489	0.00036	0.206204	7.04E-06	0.0759	0.10139	0.128474
0.041445	0.37153	0.186848	4.85E-05	0.096217	0.03766	0.195528	2.09E-05	0.263299
0.15315	0.0009	0.104849	0.02345	0.114135	0.01359	0.049565	0.28512	0.188088
-0.04539	0.32768	-0.12269	0.00795	-0.07239	0.11823	-0.11582	0.01226	-0.2056
0.068762	0.13788	0.24572	7.51E-08	0.183324	6.75E-05	0.192051	2.94E-05	0.498023
-0.01856	0.68905	0.007227	0.87622	-0.0061	0.89544	-0.01011	0.82746	0.03142
0.134271	0.00365	-0.00966	0.83512	0.077295	0.09524	-0.09048	0.05069	-0.0674
0.039316	0.39662	0.031578	0.49603	0.027405	0.55468	0.021384	0.64486	-0.00173
-0.07889	0.0886	-0.12761	0.00575	-0.06232	0.17878	-0.13938	0.00254	-0.20581
0.008884	0.84815	0.066644	0.15046	0.063744	0.16906	0.04117	0.37471	0.107015

0.018685	0.68714	-0.00573	0.90167	0.002	0.96562	0.004431	0.92393	-0.04829
0.157554	0.00063	0.245745	7.49E-08	0.152083	0.00098	0.239615	1.60E-07	0.469385
0.104875	0.02342	0.065777	0.15584	0.082764	0.07397	0.012607	0.78584	0.064813
0.257604	1.63E-08	0.257063	1.75E-08	0.184041	6.32E-05	0.23314	3.49E-07	0.321375
-0.01475	0.75061	0.015888	0.73201	-0.00177	0.96962	-0.00246	0.95764	-0.00992
0.138993	0.00261	0.131962	0.00428	0.072699	0.11667	0.151178	0.00105	0.092111
-0.01064	0.81857	0.000805	0.98616	0.011842	0.79855	0.003048	0.94762	0.054991
-0.00304	0.94774	-0.02875	0.53548	-0.03363	0.46841	-0.01115	0.81008	-0.02666
0.048318	0.29742	0.035136	0.44876	0.043277	0.35074	0.01774	0.70218	0.060862
0.103798	0.02489	0.029902	0.51919	0.05202	0.2619	0.001929	0.96684	0.113329
0.074008	0.11021	0.154039	0.00084	0.085823	0.06387	0.184317	6.15E-05	0.255278
-0.03615	0.43572	-0.01991	0.66786	-0.00338	0.94199	-0.01892	0.6834	-0.02007
0.099706	0.03122	0.150513	0.0011	0.102273	0.0271	0.147284	0.00141	0.171476
-0.08171	0.07775	-0.07529	0.10418	-0.06905	0.13625	-0.09705	0.03604	-0.04036
-0.00353	0.93936	-0.01489	0.7483	0.002263	0.9611	-0.01506	0.74543	-0.02185
0.085429	0.0651	0.042484	0.35965	0.078446	0.0904	-0.0061	0.89535	0.054446
0.090405	0.05089	0.049366	0.28706	0.05688	0.21987	0.017373	0.70806	0.038692
0.160189	0.00051	0.193635	2.52E-05	0.171135	0.0002	0.146068	0.00155	0.269875
0.052883	0.25406	0.015422	0.73958	0.053111	0.25202	-0.02546	0.5832	-0.02063
0.104698	0.02365	0.030487	0.51104	0.056063	0.22657	-0.0184	0.69171	0.068388
0.013605	0.76935	-0.03665	0.42938	0.010668	0.81814	-0.06347	0.17087	-0.10623
0.153432	0.00088	0.060933	0.18869	0.126905	0.00603	-0.01204	0.79522	-0.03574
0.047152	0.30925	0.098531	0.03327	0.038828	0.40251	0.100924	0.0292	0.271828
0.041588	0.36988	0.025179	0.58731	0.014578	0.75337	0.014402	0.75625	0.052587
0.076591	0.0983	0.02881	0.53457	0.061408	0.18526	-0.02167	0.64036	-0.01092
0.053134	0.25181	0.074434	0.10818	0.063605	0.16999	0.038554	0.40584	0.188924
0.048222	0.29839	-0.06908	0.13604	0.001174	0.97981	-0.11938	0.00982	-0.1502
0.056859	0.22004	0.105725	0.02231	0.071466	0.12302	0.089506	0.05324	0.168042
0.098259	0.03377	0.117261	0.01121	0.09728	0.03559	0.075673	0.10241	0.315349
0.04623	0.31882	0.066545	0.15106	0.073059	0.11486	0.011922	0.79722	0.110845
0.068206	0.1411	0.063264	0.1723	0.085749	0.0641	0.00264	0.95463	0.111048
0.023691	0.60958	-0.01301	0.77924	-0.00294	0.94955	-0.03726	0.42175	-0.03851
0.072507	0.11764	0.11485	0.01301	0.091334	0.04854	0.079294	0.08696	0.199058
0.151532	0.00102	-0.0157	0.73499	0.059317	0.2007	-0.07981	0.08493	-0.02199
0.121206	0.00874	0.250835	3.93E-08	0.194862	2.23E-05	0.206714	6.67E-06	0.375993
0.163613	0.00038	0.176225	0.00013	0.174404	0.00015	0.11003	0.01738	0.152632
0.145271	0.00165	0.120671	0.00905	0.139047	0.0026	0.059075	0.20255	0.013791
0.119703	0.00962	0.105281	0.02288	0.095908	0.03828	0.077976	0.09235	0.130618
0.080025	0.08408	-0.01151	0.80416	-0.01447	0.7551	-0.01273	0.78378	0.021594
-0.02539	0.58421	0.00705	0.87923	-0.00147	0.97474	-0.00692	0.88147	0.060795
0.035776	0.44052	0.036683	0.42902	0.069107	0.13591	-0.01488	0.74847	-0.02909
0.073717	0.11163	0.141907	0.00211	0.104147	0.0244	0.122393	0.0081	0.267782
0.085359	0.06532	0.092347	0.04609	0.098622	0.03311	0.044648	0.33568	0.17198
0.081494	0.07852	0.084307	0.06872	0.070437	0.12852	0.064113	0.1666	0.11795
0.063743	0.16907	0.059235	0.20133	0.083633	0.07097	0.00326	0.94399	0.045478

0.100198	0.03039	0.070465	0.12837	0.075059	0.10524	0.044571	0.33652	0.128344
0.012165	0.79318	-0.08003	0.08407	-0.01696	0.71463	-0.1111	0.01631	-0.14908
0.056048	0.2267	0.072224	0.11908	0.065283	0.15898	0.078594	0.08979	0.12151
0.040683	0.3804	0.039798	0.39085	0.036416	0.43239	0.035103	0.44918	0.119958
0.031421	0.49817	-0.06734	0.14622	-0.01962	0.67239	-0.08266	0.07434	-0.14935
0.245926	7.32E-08	0.111444	0.01598	0.17312	0.00017	0.025254	0.58619	0.124412
0.055118	0.23451	-0.0227	0.62468	0.000183	0.99685	-0.03129	0.49991	0.050753
0.094145	0.042	0.056946	0.21933	0.056451	0.22337	0.035328	0.44628	0.044887
0.049075	0.28991	0.004852	0.91671	0.043201	0.35159	-0.0477	0.30366	-0.05068
0.069051	0.13623	0.057658	0.21361	0.053078	0.25231	0.033071	0.47588	0.039853
0.049389	0.28684	0.076807	0.09735	0.072531	0.11752	0.036645	0.4295	0.276313
0.068289	0.14062	0.118535	0.01036	0.128761	0.00532	0.058105	0.21008	0.185481
0.23086	4.56E-07	0.347459	1.07E-14	0.292382	1.17E-10	0.273987	1.74E-09	0.39869
0.07726	0.09539	0.024092	0.60354	0.058503	0.20697	-0.02891	0.5332	0.119149
0.001121	0.98072	0.084844	0.06697	0.031733	0.49391	0.100348	0.03014	0.154235
0.021296	0.64621	0.05288	0.25408	0.03732	0.42105	0.036651	0.42942	0.141709
0.051292	0.26864	0.111569	0.01586	0.053256	0.25072	0.125154	0.00677	0.295532
0.036188	0.43528	-0.1018	0.02782	0.010695	0.8177	-0.17113	0.0002	-0.22402
0.006891	0.88193	0.050099	0.27995	0.044892	0.33304	0.008427	0.85588	0.167016
0.037406	0.41998	0.039266	0.39721	0.044089	0.34177	0.00693	0.88127	0.069528
0.083572	0.07118	0.115696	0.01235	0.109319	0.01812	0.081796	0.07742	0.198035
0.063706	0.16931	-0.04468	0.3353	-0.01009	0.8279	-0.06061	0.19103	-0.05242
0.062266	0.17919	-0.00848	0.85503	0.024398	0.59895	-0.05311	0.25201	0.030572
0.087074	0.06008	0.080654	0.08166	0.059696	0.19784	0.078313	0.09095	0.223841
0.085723	0.06418	0.10148	0.02832	0.105247	0.02293	0.056192	0.2255	0.152669
0.05276	0.25516	0.141273	0.00221	0.079252	0.08713	0.165677	0.00032	0.243326
0.119265	0.00989	0.185294	5.61E-05	0.110868	0.01654	0.200998	1.20E-05	0.082511
0.215158	2.70E-06	0.189147	3.89E-05	0.204347	8.54E-06	0.122976	0.0078	0.121215
0.129325	0.00513	0.141192	0.00223	0.136724	0.00307	0.077202	0.09564	0.258883
-0.09602	0.03806	-0.002	0.96557	-0.03967	0.39238	0.000453	0.99221	0.167863
-0.10804	0.01952	0.009514	0.83754	-0.07062	0.12753	0.051577	0.26599	0.064916
-0.06792	0.14277	0.032544	0.48295	-0.03916	0.39845	0.066531	0.15115	0.111
-0.11184	0.01561	-0.00651	0.88838	-0.04434	0.33897	0.000802	0.98621	0.043536
0.055504	0.23124	0.221295	1.37E-06	0.089233	0.05398	0.251886	3.43E-08	0.364826
-0.09802	0.0342	-0.09862	0.03312	-0.1091	0.01835	-0.09404	0.04224	0.02048
-0.08999	0.05197	0.027724	0.55009	-0.02749	0.55341	0.04462	0.33598	0.107121
-0.10126	0.02867	-0.18338	6.72E-05	-0.11178	0.01567	-0.20683	6.59E-06	-0.21182
-0.13835	0.00273	-0.05522	0.23366	-0.07803	0.09211	-0.05274	0.25536	-0.01286
-0.18389	6.40E-05	-0.14494	0.00169	-0.10853	0.01897	-0.16174	0.00045	-0.15072
0.02501	0.58981	0.088487	0.05602	0.045773	0.32363	0.087412	0.05909	0.258695
-0.09615	0.03779	0.048329	0.29731	-0.02209	0.63395	0.060964	0.18847	0.22773
-0.09652	0.03707	-0.03238	0.48509	-0.04612	0.31995	-0.03911	0.39909	0.001531
0.021954	0.63606	0.165325	0.00033	0.067992	0.14235	0.188976	3.96E-05	0.321615
-0.03037	0.51268	0.077965	0.0924	0.02974	0.52146	0.065346	0.15858	0.245926
-0.06304	0.17385	0.034273	0.45999	-0.02331	0.61541	0.047731	0.30334	0.236246

-0.04623	0.31882	0.02523	0.58654	-0.04013	0.38689	0.06298	0.17424	0.098331
-0.04727	0.30801	0.073721	0.11161	0.018898	0.68377	0.076802	0.09738	0.221424
-0.12823	0.00552	-0.13008	0.00487	-0.11284	0.0147	-0.12769	0.00572	-0.16941
-0.00082	0.98586	0.118788	0.01019	0.078469	0.0903	0.081375	0.07896	0.26616
-0.1538	0.00085	-0.07964	0.08557	-0.08213	0.07621	-0.07631	0.09955	-0.09748
0.094027	0.04226	0.193427	2.57E-05	0.136926	0.00303	0.161214	0.00047	0.456842
-0.05734	0.21614	0.004678	0.9197	0.023567	0.61146	-0.03931	0.39663	0.059735
-0.12657	0.00617	-0.13703	0.00301	-0.10407	0.02451	-0.14851	0.00129	-0.14375
-0.08097	0.08048	0.101351	0.02853	0.008664	0.85188	0.12877	0.00532	0.293739
-0.13458	0.00357	-0.02062	0.65666	-0.04558	0.32569	-0.01517	0.74373	0.042037
-0.049	0.2907	0.042858	0.35543	-0.00471	0.91914	0.050219	0.2788	0.227371
-0.17218	0.00018	-0.0931	0.04433	-0.13364	0.00381	-0.04539	0.3277	-0.07243
-0.04559	0.3256	0.081877	0.07713	0.025883	0.57689	0.082936	0.07337	0.219931
-0.06941	0.13419	0.065208	0.15946	0.006617	0.88659	0.074111	0.10972	0.214001
0.0064	0.89029	0.16235	0.00043	0.0859	0.06363	0.159441	0.00054	0.444557
-0.12001	0.00944	-0.1579	0.00062	-0.11386	0.01382	-0.16937	0.00024	-0.2238
-0.0851	0.06613	0.044229	0.34023	-0.00283	0.95131	0.029125	0.53011	0.247059
-0.00481	0.91738	0.131035	0.00456	0.034422	0.45803	0.151705	0.00101	0.213204
-0.07928	0.087	-0.08694	0.06047	-0.09404	0.04223	-0.07514	0.10484	-0.03601
-0.08112	0.0799	-0.02085	0.6531	-0.05668	0.22148	-0.01187	0.79803	0.063982
-0.0703	0.12925	0.054594	0.239	-0.00922	0.84252	0.062217	0.17953	0.216635
-0.0372	0.42253	0.020885	0.6526	0.010722	0.81724	0.01952	0.67394	0.10254
-0.08515	0.066	0.027024	0.56021	-0.02532	0.58515	0.043985	0.34291	0.093407
-0.12796	0.00562	-0.06204	0.18079	-0.07143	0.12319	-0.06756	0.14493	-0.01761
-0.12631	0.00627	-0.00755	0.87071	-0.07959	0.08579	0.036073	0.43674	-0.02558
-0.01714	0.71175	-0.02656	0.56703	0.003055	0.94751	-0.06777	0.14369	0.047838
0.004539	0.92208	0.106285	0.02161	0.043463	0.34868	0.108238	0.0193	0.298979
-0.16633	0.00031	-0.12714	0.00594	-0.12873	0.00534	-0.11313	0.01445	-0.11382
-0.0726	0.11719	-0.01078	0.81633	-0.02667	0.56537	-0.0304	0.51218	0.06209
-0.0457	0.32445	0.098989	0.03246	0.02198	0.63566	0.110566	0.01684	0.267444
0.034381	0.45856	0.20256	1.03E-05	0.083247	0.07229	0.232125	3.93E-07	0.439441
-0.05347	0.24878	-0.01837	0.69215	-0.0417	0.36857	-0.01329	0.77446	0.088282
-0.04156	0.37024	-0.05034	0.27763	-0.03626	0.43435	-0.07726	0.09538	-0.04108
0.244965	8.26E-08	0.723889	5.60E-77	0.302877	2.30E-11	0.899831	#####	0.625075
0.177543	0.00011	0.555731	3.34E-39	0.224036	1.00E-06	0.710692	4.95E-73	0.386007
0.077234	0.0955	0.356268	2.02E-15	0.130159	0.00484	0.46435	2.37E-26	0.360222
0.072889	0.11572	0.398931	2.88E-19	0.143106	0.00193	0.537002	3.05E-36	0.284053
0.144803	0.0017	0.408521	3.28E-20	0.193864	2.46E-05	0.501991	3.53E-31	0.31423
0.150181	0.00113	0.43938	1.83E-23	0.217311	2.13E-06	0.521023	7.39E-34	0.388208
0.264858	6.16E-09	0.592125	1.59E-45	0.315534	2.96E-12	0.690579	1.99E-67	0.469136
0.167014	0.00029	0.494755	3.33E-30	0.223919	1.02E-06	0.632992	1.18E-53	0.425778
0.170844	0.00021	0.651229	1.08E-57	0.250225	4.25E-08	0.840992	#####	0.461004
0.21544	2.62E-06	0.735456	1.24E-80	0.306793	1.23E-11	0.938867	#####	0.489322
0.062845	0.17516	0.122108	0.00825	0.060517	0.19173	0.156023	0.00072	0.088539
0.108458	0.01906	0.46981	5.14E-27	0.175792	0.00013	0.618636	1.16E-50	0.34809

0.432689	9.92E-23	0.863907	#####	0.550533	2.31E-38	0.905827	#####	0.547854
0.164127	0.00037	0.581804	1.19E-43	0.241954	1.20E-07	0.756733	7.03E-88	0.372377
0.198141	1.61E-05	0.682582	2.52E-65	0.283543	4.39E-10	0.859568	#####	0.602714
0.08467	0.06753	0.328479	3.28E-13	0.139288	0.00256	0.410459	2.09E-20	0.310244
0.105868	0.02213	0.436806	3.52E-23	0.208348	5.62E-06	0.511998	1.44E-32	0.422999
0.283855	4.19E-10	0.673023	6.73E-63	0.374832	5.02E-17	0.754195	5.63E-87	0.608933
0.115606	0.01242	0.340537	3.83E-14	0.162411	0.00043	0.4236	9.29E-22	0.291532
0.140335	0.00237	0.465959	1.52E-26	0.200582	1.26E-05	0.594654	5.39E-46	0.316564
0.510012	2.75E-32	0.685275	5.02E-66	0.516398	3.43E-33	0.668926	6.93E-62	0.360286
0.505736	1.08E-31	0.607735	1.72E-48	0.301209	3.00E-11	0.748001	8.12E-85	0.534942
0.348785	8.35E-15	0.530787	2.67E-35	0.365746	3.15E-16	0.551523	1.60E-38	0.387947
0.371316	1.03E-16	0.644971	2.82E-56	0.321242	1.14E-12	0.803294	#####	0.464083
0.348851	8.24E-15	0.383104	8.96E-18	0.206519	6.81E-06	0.449121	1.46E-24	0.392292
0.247073	6.34E-08	0.592553	1.32E-45	0.273946	1.75E-09	0.722048	2.05E-76	0.631913
0.211428	4.05E-06	0.700709	3.42E-70	0.288773	2.02E-10	0.900941	#####	0.495586
0.103013	0.02601	0.37365	6.40E-17	0.174596	0.00015	0.458123	1.31E-25	0.408186
0.273996	1.74E-09	0.664311	9.16E-61	0.305005	1.64E-11	0.841488	#####	0.547391
0.266987	4.60E-09	0.499106	8.69E-31	0.235214	2.72E-07	0.636951	1.65E-54	0.346616
0.135649	0.00331	0.281236	6.15E-10	0.133514	0.00385	0.342804	2.53E-14	0.260999
0.097446	0.03527	0.438298	2.41E-23	0.16319	0.0004	0.564352	1.25E-40	0.411823
0.331226	2.03E-13	0.377966	2.63E-17	0.201959	1.09E-05	0.465156	1.90E-26	0.28463
0.256959	1.77E-08	0.748703	4.66E-85	0.358285	1.36E-15	0.896842	#####	0.602538
0.122139	0.00824	0.374886	4.97E-17	0.159155	0.00056	0.460499	6.86E-26	0.413578
0.079255	0.08712	0.323846	7.29E-13	0.123823	0.00738	0.419792	2.32E-21	0.238676
0.1674	0.00028	0.435289	5.17E-23	0.19205	2.94E-05	0.551382	1.69E-38	0.456985
0.077465	0.09451	0.409118	2.86E-20	0.148324	0.00131	0.538923	1.55E-36	0.404262
0.129115	0.0052	0.449933	1.18E-24	0.189185	3.88E-05	0.571976	6.29E-42	0.454588
0.130227	0.00482	0.376653	3.45E-17	0.1518	0.001	0.494641	3.45E-30	0.329996
0.206608	6.75E-06	0.72738	4.62E-78	0.298022	4.93E-11	0.929656	#####	0.571076
0.211098	4.19E-06	0.738552	1.21E-81	0.298587	4.52E-11	0.947965	#####	0.513714
0.141816	0.00213	0.4814	1.83E-28	0.200124	1.32E-05	0.62453	7.14E-52	0.29574
0.19791	1.65E-05	0.716115	1.26E-74	0.28851	2.10E-10	0.922958	#####	0.492544
0.466706	1.23E-26	0.613566	1.21E-49	0.32016	1.36E-12	0.742171	7.68E-83	0.542767
0.540897	7.66E-37	0.638158	9.02E-55	0.487648	2.87E-29	0.587416	1.16E-44	0.420935
0.240875	1.37E-07	0.569954	1.40E-41	0.263298	7.61E-09	0.701155	2.57E-70	0.373618
0.614511	7.86E-50	0.774353	1.79E-94	0.557732	1.57E-39	0.779395	1.80E-96	0.507524
0.124439	0.00709	0.318174	1.91E-12	0.146455	0.00151	0.416191	5.47E-21	0.250144
0.136203	0.00319	0.239693	1.58E-07	0.148454	0.00129	0.285678	3.20E-10	0.151533
0.580669	1.89E-43	0.732994	7.74E-80	0.607429	1.97E-48	0.641045	2.10E-55	0.437852
0.460016	7.82E-26	0.651208	1.09E-57	0.549889	2.93E-38	0.553927	6.56E-39	0.43073
0.382951	9.26E-18	0.606585	2.88E-48	0.441891	9.61E-24	0.600073	5.14E-47	0.392981
0.304643	1.74E-11	0.620233	5.48E-51	0.290116	1.65E-10	0.761006	2.00E-89	0.628716
0.228159	6.25E-07	0.290166	1.64E-10	0.171217	0.0002	0.368938	1.66E-16	0.181477
0.2388	1.77E-07	0.473329	1.89E-27	0.234311	3.03E-07	0.588288	8.05E-45	0.325002
0.751622	4.52E-86	0.799485	#####	0.624428	7.50E-52	0.755583	1.81E-87	0.439161

0.383042	9.08E-18	0.825874	#####	0.497971	1.24E-30	0.878566	#####	0.747918
0.560798	4.89E-40	0.862691	#####	0.621931	2.46E-51	0.853248	#####	0.572778
0.131053	0.00456	0.35661	1.89E-15	0.178843	0.0001	0.423495	9.53E-22	0.286679
0.059016	0.203	0.15856	0.00058	0.101442	0.02838	0.168711	0.00025	0.099609
-0.06114	0.18715	-0.04645	0.31653	-0.04963	0.28445	-0.03638	0.43285	-0.0537
0.184796	5.88E-05	0.601313	2.99E-47	0.259464	1.27E-08	0.771685	1.95E-93	0.461722
0.452159	6.53E-25	0.862161	#####	0.504773	1.47E-31	0.939863	#####	0.705344
0.319194	1.61E-12	0.638216	8.76E-55	0.440571	1.35E-23	0.627254	1.93E-52	0.425469
0.278973	8.53E-10	0.315041	3.21E-12	0.146213	0.00153	0.390805	1.72E-18	0.203674
0.263096	7.82E-09	0.354462	2.85E-15	0.269936	3.06E-09	0.360503	8.86E-16	0.25669
0.407859	3.82E-20	0.741475	1.31E-82	0.468963	6.53E-27	0.777915	7.02E-96	0.594922
0.282483	5.13E-10	0.333321	1.40E-13	0.219765	1.63E-06	0.397899	3.63E-19	0.215116
0.174388	0.00015	0.529272	4.50E-35	0.209684	4.88E-06	0.687258	1.51E-66	0.356911
0.10882	0.01866	0.319073	1.64E-12	0.139161	0.00258	0.417387	4.12E-21	0.197775
0.265551	5.60E-09	0.741112	1.73E-82	0.322462	9.24E-13	0.936741	#####	0.591495
0.495341	2.78E-30	0.571693	7.04E-42	0.457282	1.65E-25	0.532011	1.75E-35	0.317848
0.215141	2.71E-06	0.416983	4.54E-21	0.203154	9.66E-06	0.522005	5.32E-34	0.322585
0.203423	9.40E-06	0.66619	3.22E-61	0.268797	3.59E-09	0.851302	#####	0.480259
0.226588	7.50E-07	0.643168	7.12E-56	0.273641	1.82E-09	0.799141	#####	0.645898
0.200003	1.33E-05	0.721571	2.87E-76	0.287607	2.41E-10	0.911758	#####	0.628682
0.176376	0.00013	0.390891	1.69E-18	0.199858	1.35E-05	0.481637	1.71E-28	0.241715
0.247957	5.67E-08	0.67709	6.41E-64	0.310125	7.20E-12	0.855871	#####	0.428552
0.154606	0.0008	0.404693	7.87E-20	0.191616	3.07E-05	0.526591	1.13E-34	0.380783
0.225424	8.57E-07	0.506238	9.21E-32	0.258989	1.36E-08	0.641898	1.36E-55	0.350623
0.189243	3.86E-05	0.480531	2.36E-28	0.20511	7.89E-06	0.608372	1.29E-48	0.320969
0.341968	2.95E-14	0.588071	8.81E-45	0.494674	3.41E-30	0.491185	9.89E-30	0.41427
0.305036	1.63E-11	0.610934	4.04E-49	0.262099	8.94E-09	0.786661	1.91E-99	0.439977
0.159063	0.00056	0.432854	9.52E-23	0.234231	3.06E-07	0.494714	3.37E-30	0.43054
0.145833	0.00158	0.39468	7.39E-19	0.198041	1.63E-05	0.45788	1.40E-25	0.383393
0.118434	0.01042	0.353788	3.24E-15	0.153922	0.00085	0.445745	3.54E-24	0.319154
0.330805	2.18E-13	0.595482	3.78E-46	0.267372	4.37E-09	0.774695	1.31E-94	0.403533
0.086794	0.06091	0.177438	0.00012	0.123095	0.00774	0.219503	1.67E-06	0.07488
0.136117	0.0032	0.43117	1.45E-22	0.172357	0.00018	0.558865	1.02E-39	0.29085
0.180867	8.47E-05	0.46644	1.33E-26	0.232669	3.69E-07	0.579446	3.12E-43	0.467439
0.187847	4.41E-05	0.643421	6.25E-56	0.267177	4.49E-09	0.843827	#####	0.460801
0.226674	7.42E-07	0.503247	2.38E-31	0.240487	1.44E-07	0.61422	8.98E-50	0.491196
0.095319	0.03949	0.345727	1.48E-14	0.146156	0.00154	0.465144	1.90E-26	0.206527
0.054697	0.23811	0.020047	0.66566	0.011555	0.80333	0.025847	0.57743	0.049561
0.176593	0.00012	0.640643	2.57E-55	0.264609	6.37E-09	0.832244	#####	0.431248
0.382272	1.07E-17	0.603902	9.52E-48	0.424873	6.82E-22	0.601177	3.17E-47	0.396107
0.274742	1.56E-09	0.550185	2.63E-38	0.252148	3.32E-08	0.686061	3.13E-66	0.353
0.159652	0.00053	0.485941	4.78E-29	0.230925	4.53E-07	0.638018	9.67E-55	0.295551
0.390702	1.76E-18	0.527769	7.54E-35	0.261263	1.00E-08	0.660935	5.88E-60	0.336995
0.204578	8.34E-06	0.337511	6.62E-14	0.185029	5.76E-05	0.414368	8.41E-21	0.294038
0.270624	2.78E-09	0.503269	2.36E-31	0.246755	6.59E-08	0.621052	3.72E-51	0.386563



0.628375	1.12E-52	0.740517	2.73E-82	0.519904	1.07E-33	0.76279	4.42E-90	0.555721
0.510683	2.21E-32	0.549933	2.89E-38	0.494585	3.51E-30	0.45627	2.17E-25	0.385142
0.30479	1.70E-11	0.732774	9.10E-80	0.463193	3.27E-26	0.769142	1.84E-92	0.542624
0.136697	0.00308	0.546412	1.05E-37	0.206226	7.02E-06	0.706052	1.07E-71	0.390422
0.445939	3.37E-24	0.584358	4.15E-44	0.342674	2.59E-14	0.701509	2.05E-70	0.403043
0.122836	0.00787	0.293874	9.34E-11	0.12463	0.00701	0.369674	1.44E-16	0.344632
0.20194	1.09E-05	0.487914	2.65E-29	0.286307	2.92E-10	0.555341	3.87E-39	0.460443
0.242866	1.07E-07	0.425295	6.15E-22	0.200372	1.28E-05	0.547887	6.12E-38	0.38184
0.238588	1.81E-07	0.296756	6.00E-11	0.183447	6.67E-05	0.361383	7.46E-16	0.213938
0.303435	2.11E-11	0.711967	2.10E-73	0.341222	3.38E-14	0.889471	#####	0.568078
0.17617	0.00013	0.636258	2.33E-54	0.254857	2.33E-08	0.822493	#####	0.447694
0.125886	0.00645	0.293737	9.54E-11	0.119176	0.00995	0.384412	6.79E-18	0.195073
0.248688	5.16E-08	0.603873	9.64E-48	0.249144	4.87E-08	0.785976	3.68E-99	0.399012
0.317914	1.99E-12	0.65602	8.44E-59	0.294665	8.28E-11	0.835606	#####	0.448157
0.201345	1.16E-05	0.734629	2.30E-80	0.290158	1.64E-10	0.945951	#####	0.520079
0.08059	0.08191	0.116383	0.01184	0.104398	0.02406	0.161851	0.00045	0.021404
0.215272	2.67E-06	0.741017	1.86E-82	0.309322	8.21E-12	0.953406	#####	0.498185
0.583534	5.83E-44	0.613316	1.36E-49	0.33987	4.32E-14	0.749543	2.39E-85	0.421983
0.353213	3.62E-15	0.644178	4.24E-56	0.33593	8.79E-14	0.811269	#####	0.418797
0.197145	1.78E-05	0.541695	5.76E-37	0.24609	7.17E-08	0.702926	8.21E-71	0.371783
0.490337	1.28E-29	0.605067	5.67E-48	0.348594	8.65E-15	0.724265	4.29E-77	0.372952
0.28706	2.61E-10	0.665492	4.75E-61	0.297867	5.05E-11	0.83957	#####	0.460241
0.308878	8.82E-12	0.761405	1.43E-89	0.462662	3.78E-26	0.819591	#####	0.678626
0.054916	0.23623	0.308259	9.75E-12	0.121415	0.00863	0.404239	8.73E-20	0.285881
0.171621	0.00019	0.535654	4.91E-36	0.236509	2.33E-07	0.669035	6.52E-62	0.573868
0.290891	1.47E-10	0.680541	8.46E-65	0.305589	1.50E-11	0.861065	#####	0.499219
0.19201	2.95E-05	0.308695	9.08E-12	0.146134	0.00154	0.401353	1.68E-19	0.197346
0.311174	6.07E-12	0.679487	1.58E-64	0.371171	1.06E-16	0.77174	1.85E-93	0.595856
0.30785	1.04E-11	0.567604	3.52E-41	0.258803	1.39E-08	0.718547	2.36E-75	0.447949
0.19959	1.39E-05	0.339497	4.62E-14	0.148077	0.00133	0.447254	2.39E-24	0.250028
0.212264	3.70E-06	0.287854	2.32E-10	0.173581	0.00016	0.341193	3.40E-14	0.252259
0.411805	1.53E-20	0.572782	4.57E-42	0.439582	1.74E-23	0.545148	1.66E-37	0.451556
0.364464	4.07E-16	0.517776	2.18E-33	0.307144	1.17E-11	0.637593	1.20E-54	0.334148
0.306644	1.26E-11	0.684001	1.08E-65	0.465868	1.56E-26	0.660292	8.36E-60	0.622254
0.450718	9.57E-25	0.554651	5.00E-39	0.291318	1.38E-10	0.669369	5.40E-62	0.448139
0.100986	0.02911	0.227002	7.15E-07	0.144961	0.00168	0.243297	1.02E-07	0.188212
0.206353	6.93E-06	0.7194	1.30E-75	0.291039	1.44E-10	0.91871	#####	0.549946
0.252381	3.22E-08	0.400885	1.86E-19	0.180677	8.62E-05	0.488948	1.94E-29	0.407225
0.359697	1.04E-15	0.473952	1.58E-27	0.266105	5.19E-09	0.585464	2.62E-44	0.275331
0.309155	8.43E-12	0.540325	9.39E-37	0.376574	3.51E-17	0.544101	2.42E-37	0.316405
0.231156	4.41E-07	0.457536	1.54E-25	0.227483	6.76E-07	0.579217	3.42E-43	0.48596
0.397385	4.07E-19	0.517077	2.74E-33	0.271405	2.50E-09	0.649211	3.12E-57	0.338789
0.576424	1.06E-42	0.569312	1.80E-41	0.321208	1.14E-12	0.694298	1.98E-68	0.379
0.2479	5.71E-08	0.575332	1.65E-42	0.257526	1.64E-08	0.719699	1.06E-75	0.604836
0.26971	3.16E-09	0.489162	1.82E-29	0.262487	8.49E-09	0.61637	3.33E-50	0.306026

0.290894	1.47E-10	0.500938	4.91E-31	0.213697	3.17E-06	0.63997	3.62E-55	0.347002
0.554672	4.97E-39	0.387295	3.67E-18	0.252789	3.05E-08	0.460624	6.63E-26	0.239373
0.19128	3.17E-05	0.490008	1.41E-29	0.251655	3.53E-08	0.59952	6.55E-47	0.43758
0.200379	1.28E-05	0.6371	1.53E-54	0.28045	6.89E-10	0.818616	#####	0.412812
0.192361	2.85E-05	0.644031	4.57E-56	0.278946	8.56E-10	0.826222	#####	0.42111
0.172639	0.00018	0.627813	1.47E-52	0.257768	1.59E-08	0.812345	#####	0.470418
0.190175	3.53E-05	0.689543	3.76E-67	0.274555	1.60E-09	0.871661	#####	0.596459
0.635239	3.88E-54	0.577463	6.98E-43	0.338871	5.18E-14	0.693679	2.92E-68	0.37882
0.394548	7.61E-19	0.747072	1.69E-84	0.352621	4.05E-15	0.936998	#####	0.539405
0.517178	2.65E-33	0.673836	4.22E-63	0.345688	1.49E-14	0.833761	#####	0.454326
0.136229	0.00318	0.407872	3.81E-20	0.175861	0.00013	0.528069	6.81E-35	0.285014
0.216421	2.35E-06	0.739445	6.17E-82	0.306288	1.34E-11	0.948493	#####	0.505559
0.188204	4.26E-05	0.511596	1.65E-32	0.220204	1.55E-06	0.641195	1.94E-55	0.360742
0.166533	0.0003	0.63572	3.05E-54	0.245951	7.30E-08	0.823599	#####	0.452899
0.089055	0.05446	0.170406	0.00022	0.116585	0.01169	0.201142	1.19E-05	0.048856
0.208217	5.70E-06	0.721432	3.16E-76	0.302579	2.41E-11	0.915439	#####	0.581293
0.45209	6.65E-25	0.561562	3.65E-40	0.299953	3.65E-11	0.721484	3.05E-76	0.375097
0.315386	3.03E-12	0.682271	3.03E-65	0.285436	3.32E-10	0.876491	#####	0.510758
0.201283	1.17E-05	0.665719	4.19E-61	0.269779	3.13E-09	0.854444	#####	0.47191
0.202577	1.03E-05	0.734573	2.40E-80	0.292746	1.11E-10	0.945089	#####	0.514745
0.29109	1.43E-10	0.604485	7.34E-48	0.250599	4.05E-08	0.785825	4.25E-99	0.411087
0.203657	9.17E-06	0.670585	2.71E-62	0.276646	1.19E-09	0.830261	#####	0.692173
0.420403	2.01E-21	0.540371	9.24E-37	0.316001	2.74E-12	0.635767	2.98E-54	0.321291
0.333789	1.29E-13	0.665597	4.48E-61	0.331873	1.81E-13	0.807679	#####	0.57919
0.187521	4.55E-05	0.566781	4.86E-41	0.246276	7.00E-08	0.727669	3.76E-78	0.383951
0.455183	2.90E-25	0.461593	5.08E-26	0.316392	2.57E-12	0.529819	3.73E-35	0.354602
0.568917	2.11E-41	0.833039	#####	0.554159	6.02E-39	0.868384	#####	0.60879
0.621074	3.68E-51	0.566114	6.30E-41	0.336496	7.94E-14	0.661034	5.57E-60	0.522597
0.375835	4.09E-17	0.520234	9.61E-34	0.331968	1.78E-13	0.540284	9.53E-37	0.502488
0.343479	2.24E-14	0.523842	2.86E-34	0.292444	1.16E-10	0.621743	2.69E-51	0.540147
0.205529	7.55E-06	0.712832	1.17E-73	0.296279	6.46E-11	0.919849	#####	0.479741
0.481148	1.97E-28	0.498097	1.19E-30	0.324385	6.65E-13	0.567375	3.85E-41	0.338951
0.564077	1.39E-40	0.569223	1.87E-41	0.340118	4.13E-14	0.687304	1.47E-66	0.371393
0.206839	6.59E-06	0.714061	5.11E-74	0.289659	1.77E-10	0.905154	#####	0.559189
0.246742	6.61E-08	0.621694	2.75E-51	0.274747	1.56E-09	0.799043	#####	0.424837
0.217591	2.07E-06	0.735596	1.12E-80	0.314326	3.62E-12	0.940174	#####	0.555474
0.29598	6.76E-11	0.68065	7.93E-65	0.305886	1.43E-11	0.868774	#####	0.45485
0.34964	7.11E-15	0.604144	8.54E-48	0.319835	1.44E-12	0.733309	6.13E-80	0.563702
0.18304	6.93E-05	0.666829	2.25E-61	0.271595	2.43E-09	0.867329	#####	0.460939
0.186422	5.05E-05	0.673348	5.59E-63	0.270388	2.88E-09	0.847767	#####	0.698092
0.110759	0.01664	0.419839	2.30E-21	0.17956	9.55E-05	0.54815	5.55E-38	0.283818
0.219798	1.62E-06	0.667446	1.59E-61	0.284848	3.62E-10	0.858727	#####	0.444482
0.299912	3.67E-11	0.525943	1.41E-34	0.280016	7.34E-10	0.66555	4.60E-61	0.343642
0.269195	3.40E-09	0.351127	5.37E-15	0.144493	0.00174	0.461003	5.97E-26	0.22547
0.182815	7.08E-05	0.602541	1.74E-47	0.265469	5.67E-09	0.784981	9.51E-99	0.387447

0.190905	3.29E-05	0.687746	1.13E-66	0.284666	3.72E-10	0.886259	#####	0.539587
0.203892	8.95E-06	0.687725	1.14E-66	0.285214	3.43E-10	0.861029	#####	0.612473
0.320684	1.25E-12	0.476268	8.14E-28	0.247622	5.91E-08	0.563068	2.05E-40	0.314249
0.128965	0.00525	0.400035	2.25E-19	0.180749	8.57E-05	0.540794	7.95E-37	0.294497
0.361461	7.35E-16	0.510494	2.35E-32	0.311028	6.22E-12	0.609419	8.03E-49	0.407647
0.305067	1.63E-11	0.481317	1.87E-28	0.267221	4.46E-09	0.609429	8.00E-49	0.309033
0.257307	1.69E-08	0.558275	1.28E-39	0.267153	4.50E-09	0.70263	9.94E-71	0.374945
0.240677	1.40E-07	0.732197	1.39E-79	0.302442	2.47E-11	0.932503	#####	0.497212
0.195688	2.06E-05	0.598635	9.63E-47	0.247642	5.90E-08	0.766445	1.92E-91	0.488468
0.31722	2.24E-12	0.723757	6.14E-77	0.481076	2.01E-28	0.73973	4.97E-82	0.422138
0.192917	2.70E-05	0.710609	5.23E-73	0.276281	1.25E-09	0.916069	#####	0.501228
0.447311	2.35E-24	0.549689	3.16E-38	0.334682	1.10E-13	0.614284	8.72E-50	0.356795
0.353715	3.29E-15	0.819167	#####	0.462536	3.92E-26	0.906912	#####	0.546563
0.289371	1.85E-10	0.793893	#####	0.427376	3.70E-22	0.908377	#####	0.520954
0.201164	1.18E-05	0.734438	2.66E-80	0.290569	1.54E-10	0.947383	#####	0.520928
0.267992	4.01E-09	0.549176	3.81E-38	0.32653	4.60E-13	0.580917	1.71E-43	0.332359
0.207111	6.40E-06	0.714172	4.74E-74	0.297926	5.01E-11	0.921317	#####	0.481435
0.128134	0.00555	0.257934	1.56E-08	0.129904	0.00493	0.319917	1.42E-12	0.199468
0.202557	1.03E-05	0.661671	3.93E-60	0.283873	4.18E-10	0.842198	#####	0.540468
0.221101	1.40E-06	0.69074	1.80E-67	0.29524	7.58E-11	0.89386	#####	0.480825
0.216541	2.32E-06	0.638964	6.01E-55	0.290209	1.63E-10	0.823353	#####	0.404903
0.463608	2.91E-26	0.599938	5.45E-47	0.325535	5.46E-13	0.73906	8.27E-82	0.371598
0.143745	0.00184	0.435965	4.36E-23	0.203964	8.88E-06	0.575505	1.54E-42	0.256922
0.620556	4.70E-51	0.65276	4.81E-58	0.360891	8.22E-16	0.798035	#####	0.461899
0.214853	2.79E-06	0.506683	7.99E-32	0.223914	1.02E-06	0.62277	1.65E-51	0.426613
0.281016	6.35E-10	0.618572	1.19E-50	0.267618	4.22E-09	0.790969	#####	0.429971
0.314269	3.65E-12	0.714187	4.69E-74	0.399517	2.53E-19	0.801587	#####	0.534086
0.310088	7.24E-12	0.366783	2.56E-16	0.225537	8.46E-07	0.411267	1.74E-20	0.312734
0.212542	3.59E-06	0.71903	1.69E-75	0.291062	1.43E-10	0.92252	#####	0.488994
0.160002	0.00052	0.345309	1.60E-14	0.172711	0.00018	0.443159	6.93E-24	0.237278
0.208045	5.80E-06	0.478971	3.72E-28	0.18713	4.72E-05	0.622496	1.88E-51	0.316612
0.333054	1.47E-13	0.70631	9.03E-72	0.339908	4.29E-14	0.878324	#####	0.501397
0.30257	2.42E-11	0.536373	3.81E-36	0.281197	6.18E-10	0.657353	4.12E-59	0.411555
0.289597	1.79E-10	0.542216	4.77E-37	0.27862	8.98E-10	0.648672	4.14E-57	0.559352
0.144276	0.00177	0.506898	7.46E-32	0.216782	2.26E-06	0.657669	3.47E-59	0.321624
0.178246	0.00011	0.639255	5.19E-55	0.257427	1.67E-08	0.828945	#####	0.458349
0.552246	1.23E-38	0.40461	8.02E-20	0.23601	2.47E-07	0.487495	3.00E-29	0.389579
0.435818	4.52E-23	0.796254	#####	0.542909	3.72E-37	0.797306	#####	0.55158
0.129344	0.00512	0.390352	1.90E-18	0.177976	0.00011	0.520617	8.46E-34	0.249646
0.144541	0.00174	0.561798	3.34E-40	0.217346	2.13E-06	0.719872	9.40E-76	0.44368
0.45419	3.79E-25	0.39691	4.52E-19	0.269249	3.37E-09	0.465944	1.52E-26	0.238628
0.166933	0.00029	0.340066	4.17E-14	0.146946	0.00145	0.43292	9.37E-23	0.348684
0.209564	4.94E-06	0.716021	1.34E-74	0.30271	2.37E-11	0.902944	#####	0.585074
0.062336	0.17869	0.137469	0.00291	0.086175	0.06278	0.147248	0.00142	0.081801
0.090715	0.0501	0.292032	1.24E-10	0.118842	0.01016	0.372198	8.61E-17	0.20176

0.557566	1.67E-39	0.680043	1.14E-64	0.516091	3.79E-33	0.661764	3.73E-60	0.409136
0.274442	1.63E-09	0.606169	3.47E-48	0.289395	1.84E-10	0.754514	4.34E-87	0.409708
0.464812	2.09E-26	0.536631	3.48E-36	0.272837	2.04E-09	0.654791	1.63E-58	0.439552
0.251327	3.69E-08	0.5241	2.63E-34	0.25583	2.06E-08	0.650402	1.67E-57	0.35679
0.393865	8.84E-19	0.417486	4.03E-21	0.21369	3.17E-06	0.52077	8.04E-34	0.300135
0.271103	2.60E-09	0.513292	9.49E-33	0.249773	4.50E-08	0.627138	2.04E-52	0.442702
0.12798	0.00561	0.3967	4.73E-19	0.181724	7.83E-05	0.486801	3.70E-29	0.308824
0.322044	9.92E-13	0.621302	3.31E-51	0.323271	8.05E-13	0.769703	1.12E-92	0.50165
0.182603	7.22E-05	0.603163	1.32E-47	0.254935	2.31E-08	0.776261	3.18E-95	0.398424
0.18222	7.48E-05	0.512949	1.06E-32	0.258492	1.45E-08	0.608592	1.17E-48	0.352953
0.431501	1.33E-22	0.670485	2.87E-62	0.338367	5.67E-14	0.83334	#####	0.473487
0.270229	2.94E-09	0.323477	7.77E-13	0.195594	2.07E-05	0.408155	3.57E-20	0.173352
0.588037	8.94E-45	0.503402	2.26E-31	0.320608	1.27E-12	0.586979	1.39E-44	0.408479
0.127324	0.00586	0.31997	1.41E-12	0.146501	0.0015	0.392233	1.26E-18	0.322026
0.25416	2.56E-08	0.207508	6.14E-06	0.278486	9.15E-10	0.071817	0.12119	0.093449
0.089055	0.05446	0.170406	0.00022	0.116585	0.01169	0.201142	1.19E-05	0.048856
0.251063	3.81E-08	0.684932	6.17E-66	0.291198	1.40E-10	0.870262	#####	0.483223
0.227194	6.99E-07	0.531763	1.91E-35	0.235843	2.52E-07	0.66451	8.20E-61	0.374684
0.17284	0.00017	0.590321	3.42E-45	0.241528	1.26E-07	0.753586	9.23E-87	0.447185
0.242371	1.14E-07	0.588279	8.08E-45	0.329451	2.77E-13	0.666205	3.19E-61	0.441352
0.260589	1.09E-08	0.572237	5.67E-42	0.264088	6.84E-09	0.725852	1.38E-77	0.419205
0.185737	5.39E-05	0.616731	2.81E-50	0.252693	3.09E-08	0.786529	2.16E-99	0.423406
0.141819	0.00213	0.479838	2.89E-28	0.203879	8.96E-06	0.606421	3.10E-48	0.385071
0.138563	0.00269	0.27766	1.03E-09	0.129887	0.00493	0.348069	9.54E-15	0.185908
0.441455	1.08E-23	0.545813	1.30E-37	0.317128	2.27E-12	0.650431	1.65E-57	0.459163
0.119845	0.00953	0.486194	4.43E-29	0.181771	7.80E-05	0.638381	8.06E-55	0.364065
0.208275	5.66E-06	0.7139	5.69E-74	0.292529	1.15E-10	0.919204	#####	0.488519
-0.07264	0.11698	-0.04112	0.37529	-0.03519	0.44803	-0.04637	0.31734	-0.02504
0.02194	0.63628	0.033608	0.46874	0.034228	0.46057	0.014039	0.76221	0.064873
-0.00246	0.95769	0.020558	0.65768	0.017284	0.70949	0.02186	0.63751	0.065778
-0.00243	0.95832	0.010906	0.81417	0.006235	0.8931	0.010423	0.82225	0.1981
0.045019	0.33168	-0.03204	0.48972	0.01448	0.75497	-0.05268	0.25589	-0.09484
-0.01614	0.72792	-0.0372	0.42252	0.004808	0.91746	-0.05949	0.19941	-0.09155
0.102273	0.0271	0.075777	0.10194	0.091603	0.04788	0.045075	0.33107	0.046334
0.069844	0.13178	0.018904	0.68367	0.072175	0.11934	-0.03367	0.46785	0.004442
0.017717	0.70256	0.092718	0.04522	0.039298	0.39684	0.107165	0.02054	0.080281
0.000939	0.98385	0.040353	0.38427	0.027916	0.54732	0.01693	0.71518	0.026804
-0.07375	0.11146	-0.03849	0.40657	-0.03106	0.5031	-0.02631	0.57057	-0.08207
-0.00611	0.89525	-0.0272	0.55767	0.010079	0.82803	-0.04097	0.37702	-0.05702
0.036495	0.43139	0.110409	0.01699	0.070684	0.12718	0.105734	0.0223	0.205875
-0.02065	0.65618	-0.03509	0.44938	-0.00119	0.97961	-0.04887	0.29192	-0.00979
-0.02104	0.65012	0.078632	0.08964	0.018781	0.68562	0.093551	0.04331	0.164331
0.046411	0.31693	-0.023	0.62007	0.051113	0.27033	-0.07942	0.08647	-0.11774
-0.05101	0.27131	0.052605	0.25656	0.023673	0.60985	0.058787	0.20477	0.139007
-0.05144	0.26723	-0.00025	0.99573	0.00646	0.88927	-0.00163	0.97198	0.025055

0.002446	0.95796	0.027689	0.55059	0.001242	0.97865	0.045079	0.33103	0.09505
0.041045	0.37617	-0.00568	0.90259	0.000766	0.98683	-0.00511	0.91232	0.037193
-0.00513	0.91193	-0.0065	0.88858	0.005335	0.90846	-0.02001	0.66627	-0.04126
-0.0172	0.71084	0.032596	0.48224	0.008432	0.85579	0.056901	0.21969	0.020359
-0.02892	0.53299	-0.0554	0.23209	-0.03785	0.41443	-0.05824	0.20899	-0.12919
-0.01032	0.82391	0.082904	0.07348	0.034687	0.45458	0.098358	0.03359	0.2063
0.437963	2.63E-23	0.284782	3.66E-10	0.376014	3.94E-17	0.133109	0.00396	0.099908
-0.00721	0.87655	-0.0156	0.73664	-0.00677	0.88397	-0.00417	0.92831	-0.01131
0.017178	0.7112	0.014904	0.74803	0.03918	0.39825	-0.01898	0.68248	-0.01795
-0.0019	0.96731	-0.04435	0.33895	0.007802	0.86647	-0.05865	0.20579	-0.06617
-0.04833	0.29732	-0.03448	0.45733	-0.00205	0.96472	-0.05584	0.2284	-0.07257
-0.04009	0.38733	0.047256	0.30818	0.001541	0.9735	0.070268	0.12944	0.136121
-0.05102	0.27119	-0.09809	0.03407	-0.09124	0.04877	-0.08142	0.07879	-0.13441
-0.02774	0.54985	-0.03292	0.47791	-0.03283	0.4791	-0.02182	0.63815	-0.03298
0.046536	0.31562	-0.0428	0.35608	0.019814	0.66932	-0.06257	0.17709	-0.04503
0.059857	0.19663	-0.0205	0.65866	0.042897	0.35499	-0.05677	0.22075	-0.14175
-0.08416	0.06921	-0.08018	0.08348	-0.05319	0.25134	-0.0789	0.08856	-0.10506
0.044452	0.3378	0.037087	0.42395	0.05399	0.24424	0.014641	0.75234	0.04504
-0.06227	0.17917	0.033741	0.46698	0.004317	0.92586	0.038138	0.41093	0.061334
-0.04194	0.3658	-0.05244	0.25809	-0.02425	0.60114	-0.0456	0.32545	-0.06736
0.066004	0.15442	0.186934	4.81E-05	0.123302	0.00764	0.183933	6.38E-05	0.147817
0.007924	0.86439	0.095766	0.03857	0.070268	0.12944	0.082115	0.07627	0.141465
0.060523	0.19169	0.058722	0.20527	0.064836	0.16186	0.056697	0.22136	0.067523
0.003381	0.94191	-0.0132	0.77606	-0.00104	0.98214	-0.00493	0.91537	-0.01609
-0.03071	0.50799	-0.01972	0.67084	-0.00899	0.84639	-0.01333	0.77382	0.005335
-0.00378	0.93503	-0.05891	0.20379	0.008454	0.85542	-0.08313	0.07268	-0.14004
-0.01142	0.80556	0.033326	0.47248	0.021852	0.63762	0.027305	0.55613	0.098329
0.037621	0.4173	0.026769	0.56392	0.059053	0.20272	-0.00542	0.90693	-0.03308
0.063591	0.17009	-0.01433	0.75744	0.027374	0.55513	-0.03913	0.39884	-0.08706
-0.01268	0.78463	0.032108	0.48882	0.003477	0.94026	0.058531	0.20675	0.028484
-0.07848	0.09027	-0.0546	0.23894	-0.02526	0.58605	-0.05891	0.20379	-0.09973
0.016806	0.71718	0.0336	0.46884	0.052873	0.25415	-0.00188	0.96772	0.074452
0.046687	0.31406	-0.03747	0.41912	0.033058	0.47605	-0.06675	0.14981	-0.1253
-0.01347	0.77157	-0.01976	0.67014	0.013431	0.77221	-0.01102	0.8123	-0.06284
0.041386	0.37221	0.127572	0.00577	0.052724	0.25549	0.17212	0.00019	0.109967
-0.04417	0.34086	0.057373	0.21589	0.032786	0.47969	0.057994	0.21095	0.119888
0.012726	0.78387	0.051214	0.26938	0.057701	0.21327	0.030607	0.50938	0.089639
-0.03483	0.45267	-0.10223	0.02718	-0.02549	0.58267	-0.13604	0.00322	-0.19244
-0.01517	0.74368	0.019473	0.67468	0.002502	0.957	0.02184	0.63782	0.07928
-0.03133	0.49948	0.085555	0.0647	0.036165	0.43557	0.097795	0.03462	0.211276
-0.05606	0.22656	0.00181	0.96888	-0.03438	0.4586	0.026952	0.56125	0.044392
0.009867	0.83159	0.020279	0.66204	0.033565	0.46931	0.00535	0.9082	0.079234
-0.07845	0.09039	-0.10973	0.01768	-0.06177	0.18268	-0.10597	0.022	-0.17318
-0.07162	0.12223	0.045103	0.33076	-0.0028	0.95188	0.057981	0.21105	0.196359
-0.07498	0.10561	-0.1204	0.0092	-0.06944	0.13403	-0.11018	0.01722	-0.20908

0.00277	0.95239	-0.06989	0.13155	0.011138	0.81028	-0.09901	0.03242	-0.15031
-0.0371	0.42375	-0.05451	0.23973	-0.01676	0.71788	-0.06504	0.16052	-0.08997
-0.00372	0.93606	0.043621	0.34692	0.03184	0.49246	0.036333	0.43344	0.049272
-0.02692	0.56169	-0.09278	0.04508	0.012259	0.79161	-0.144	0.00181	-0.2378
0.013329	0.77389	-0.03139	0.4986	0.054769	0.23749	-0.08164	0.07801	-0.13499
0.034279	0.4599	0.055806	0.22871	0.035084	0.44942	0.049618	0.2846	0.07329
-0.03308	0.47571	0.040793	0.37911	0.007334	0.8744	0.055529	0.23104	0.092534
-0.05567	0.22983	0.070301	0.12926	0.000808	0.9861	0.104897	0.02339	0.191735
0.046352	0.31754	-0.03021	0.51487	0.01427	0.75841	-0.03391	0.46473	-0.04609
0.021551	0.64228	0.037892	0.41395	0.074471	0.108	-0.00372	0.93615	-0.01608
0.079093	0.08777	-0.01246	0.78823	0.072754	0.11639	-0.05113	0.27019	-0.13859
-0.04069	0.38029	-0.02007	0.66526	-0.01381	0.76595	-0.02241	0.62904	-0.05042
-0.02565	0.58037	0.018383	0.69194	0.002618	0.95501	0.007874	0.86525	0.029478
-0.07477	0.1066	0.000987	0.98302	-0.02011	0.66466	0.008764	0.85017	0.004666
0.026986	0.56076	0.163144	0.0004	0.054689	0.23818	0.198131	1.61E-05	0.348185
-0.04586	0.32275	0.007304	0.87491	-0.01685	0.71647	0.018149	0.69566	0.052352
-0.05617	0.22565	-0.03288	0.47845	-0.03202	0.49002	-0.02931	0.52745	-0.03961
-0.04115	0.37496	0.009845	0.83197	-0.00192	0.96701	0.00737	0.87379	0.045211
0.048484	0.29576	0.029343	0.52702	0.113899	0.01379	-0.03598	0.43789	-0.04069
-0.01936	0.67643	-0.08955	0.05311	-0.05826	0.20888	-0.08825	0.05668	-0.13174
-0.0083	0.85801	-0.01457	0.75349	0.004864	0.91651	-0.01056	0.81998	-0.03917
-0.06119	0.18683	-0.18152	7.98E-05	-0.1083	0.01923	-0.20315	9.66E-06	-0.38401
-0.04087	0.37825	0.084104	0.06939	0.009171	0.84331	0.121631	0.00851	0.200333
0.044886	0.3331	-0.01355	0.77027	0.050301	0.27802	-0.05157	0.26604	-0.14368
0.165322	0.00033	0.315115	3.17E-12	0.211964	3.82E-06	0.314581	3.47E-12	0.287753
-0.15918	0.00055	-0.10764	0.01998	-0.11001	0.0174	-0.09269	0.04528	-0.07619
-0.01587	0.7323	0.059461	0.19961	0.02622	0.57193	0.073345	0.11345	0.228793
-0.04653	0.31566	-0.05428	0.24167	-0.0254	0.58396	-0.06124	0.18643	-0.10072
0.005887	0.89903	0.067522	0.14514	0.02249	0.62784	0.079202	0.08733	0.189666
-0.08656	0.0616	-0.08172	0.07771	-0.05922	0.20144	-0.06404	0.16708	-0.03973
-0.01887	0.68416	0.05451	0.23972	0.03721	0.42241	0.05211	0.26108	0.046306
0.103459	0.02537	0.03769	0.41645	0.082924	0.07341	0.005671	0.90272	-0.00078
-0.00889	0.84813	-0.00167	0.97123	-0.01077	0.81638	0.01394	0.76383	0.042185
0.003795	0.93481	0.030207	0.51493	0.040329	0.38455	0.022641	0.62553	0.156657
0.026711	0.56477	0.041905	0.36623	0.0613	0.18604	0.029129	0.53005	0.128037
0.052149	0.26072	0.099742	0.03116	0.06075	0.19003	0.097613	0.03496	0.325991
0.05955	0.19894	0.06514	0.1599	0.073442	0.11297	0.029828	0.52023	0.154792
0.027675	0.55079	0.035005	0.45045	0.039283	0.39702	0.029317	0.5274	0.094962
0.051762	0.26428	0.001374	0.97638	0.063776	0.16884	-0.03556	0.44329	-0.01949
-0.0399	0.38966	-0.1405	0.00234	-0.08315	0.07261	-0.12874	0.00533	-0.22286
0.040503	0.3825	0.028763	0.53524	0.044679	0.33534	-0.00118	0.97968	0.025748
0.081821	0.07733	0.039234	0.39761	0.067733	0.14388	0.01207	0.79475	0.016734
-0.0862	0.0627	-0.08239	0.0753	-0.07616	0.1002	-0.06052	0.19168	-0.09758
0.004678	0.9197	-0.00014	0.99767	0.02922	0.52877	-0.02934	0.52713	-0.02694
-0.03094	0.50478	-0.01864	0.68779	0.007185	0.87694	-0.02994	0.51863	0.010127

-0.02021	0.66304	0.033224	0.47384	0.008284	0.85829	0.041985	0.36533	0.141007
0.07615	0.10026	0.008299	0.85804	0.036243	0.43458	-0.00291	0.94993	-0.08109
0.01052	0.82063	-0.04011	0.38719	0.035553	0.44338	-0.08005	0.08399	-0.09274
0.114692	0.01314	0.109362	0.01807	0.104672	0.02369	0.077176	0.09575	0.178245
0.056002	0.22708	0.246683	6.65E-08	0.103318	0.02557	0.286079	3.02E-10	0.407725
-0.01078	0.81624	0.135406	0.00337	0.088017	0.05735	0.131724	0.00435	0.281036
-0.02625	0.57155	0.010799	0.81595	0.010336	0.82371	0.008257	0.85876	0.027833
6.82E-05	0.99883	-0.05604	0.22679	-0.01948	0.67452	-0.05983	0.19683	-0.09763
-0.0859	0.06364	-0.01103	0.81202	-0.03989	0.38976	0.015109	0.74469	0.06285
0.04945	0.28624	0.080829	0.081	0.06381	0.16862	0.072356	0.11841	0.199468
0.062771	0.17567	-8.89E-05	0.99847	-0.00194	0.96671	0.020601	0.65702	0.029641
0.029268	0.52809	-0.00696	0.88074	0.054213	0.2423	-0.05691	0.21963	-0.11239
-0.01778	0.70157	-0.08593	0.06353	-0.02832	0.54152	-0.09165	0.04776	-0.13186
-0.0595	0.19929	-0.03854	0.40606	-0.04446	0.3377	-0.00997	0.82982	-0.02812
-0.02606	0.57427	-0.04087	0.37825	-0.00752	0.87123	-0.05137	0.26795	-0.09535
-0.03703	0.42462	0.020669	0.65596	-0.00809	0.86164	0.033211	0.47401	0.117896
-0.04668	0.3141	-0.05035	0.27753	-0.04275	0.35659	-0.03176	0.49353	-0.0468
-0.03225	0.48688	0.038629	0.40493	0.028778	0.53503	0.034032	0.46314	0.097941
-0.0207	0.65548	-0.02173	0.63951	-0.01941	0.67574	-0.02127	0.64667	-0.04424
0.063834	0.16846	0.021806	0.63834	0.05597	0.22735	-0.00807	0.86192	0.009859
0.145242	0.00165	0.099858	0.03096	0.160513	0.0005	0.025663	0.58013	0.088072
-0.06083	0.18946	0.053817	0.24576	0.000515	0.99114	0.058943	0.20356	0.164432
0.008364	0.85694	0.09521	0.03972	0.078775	0.08905	0.090683	0.05018	0.034325
-0.01028	0.82467	0.019854	0.6687	0.013455	0.77181	0.022756	0.62377	0.003244
0.1459	0.00157	0.165113	0.00034	0.137709	0.00286	0.125448	0.00664	0.157222
-0.07151	0.12281	-0.00945	0.83865	-0.01773	0.70229	0.008224	0.85931	0.030061
-0.02374	0.60877	0.105088	0.02314	0.024247	0.60122	0.140116	0.00241	0.23782
-0.05216	0.26058	0.00122	0.97902	-0.01675	0.71815	0.015708	0.73493	0.004106
0.056519	0.22281	0.059458	0.19963	0.078389	0.09063	0.024383	0.59917	0.078216
0.024441	0.5983	-0.10157	0.02819	-0.01741	0.70751	-0.1232	0.00769	-0.24749
-0.06959	0.13318	-0.05	0.28094	-0.0485	0.29557	-0.02992	0.5189	-0.04512
-0.10016	0.03046	-0.08154	0.07836	-0.06899	0.13656	-0.07727	0.09534	-0.00023
-0.04001	0.38834	-0.11088	0.01652	-0.04271	0.35708	-0.13783	0.00284	-0.15851
0.0478	0.30264	0.018323	0.69289	0.017953	0.69878	0.009674	0.83484	0.043626
-0.08431	0.06872	0.000895	0.98461	-0.05669	0.22139	0.036722	0.42854	0.082537
0.137104	0.00299	0.098033	0.03418	0.155958	0.00072	0.016347	0.72458	-0.03977
0.000545	0.99063	0.076592	0.0983	0.042087	0.36416	0.080162	0.08355	0.193719
0.002628	0.95482	-0.06982	0.13192	0.000754	0.98704	-0.09091	0.04959	-0.16202
-0.05509	0.23478	-0.0912	0.04886	-0.03952	0.39414	-0.10838	0.01915	-0.19515
0.141161	0.00223	0.051207	0.26944	0.106018	0.02194	-0.00517	0.91134	7.06E-05
-0.02887	0.53376	-0.04951	0.28561	-0.02983	0.52014	-0.02492	0.59117	-0.12039
0.082174	0.07606	0.070519	0.12807	0.096276	0.03754	0.022341	0.63012	0.104313
-0.01612	0.72826	0.019288	0.6776	0.005288	0.90926	0.030112	0.51625	0.068275
-0.04502	0.33163	-0.00495	0.9151	0.00075	0.9871	-1.39E-05	0.99976	0.026801
-0.01103	0.81211	0.071235	0.12424	0.052568	0.2569	0.070027	0.13077	0.190697

0.027724	0.55009	0.056479	0.22314	0.046997	0.31084	0.045805	0.32329	0.098423
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0.014012	0.76265	0.037373	0.42038	0.032316	0.48602	0.026352	0.57	0.046889
-0.02813	0.54422	-0.03536	0.44587	-0.03706	0.42434	-0.01832	0.69295	-0.03377
-0.02257	0.62654	-0.01417	0.76007	-0.01729	0.70944	-0.00622	0.89338	0.018287
-0.03531	0.44645	-0.04993	0.28162	-0.01297	0.77979	-0.06545	0.15791	-0.0919
-0.00045	0.99228	-0.04254	0.35906	-0.00279	0.95206	-0.05695	0.21932	-0.09074
0.02946	0.52538	0.025166	0.58749	0.031078	0.50288	0.013669	0.76829	0.072666
0.000582	0.99	0.126208	0.00631	0.04872	0.29342	0.142426	0.00203	0.290726
-0.00574	0.90162	0.068154	0.1414	-0.00648	0.88893	0.100729	0.02952	0.227371
0.022779	0.62342	-0.05709	0.2182	-0.00025	0.99571	-0.0758	0.10186	-0.11864
0.03142	0.49819	0.063338	0.1718	0.044212	0.34042	0.060497	0.19188	0.11591
-0.01688	0.71599	0.054612	0.23884	0.025046	0.58927	0.061254	0.18637	0.144268
-0.00606	0.89612	-0.01072	0.81729	-0.04778	0.30284	0.020521	0.65826	-0.05301
-0.00128	0.978	0.101923	0.02764	0.03232	0.48596	0.123576	0.0075	0.163319
0.053376	0.24965	-0.03484	0.45256	0.032516	0.48331	-0.06391	0.16795	-0.14339
0.017359	0.7083	0.01651	0.72195	0.025904	0.57658	0.011727	0.80046	0.054631
-0.01111	0.81079	0.056078	0.22645	0.028688	0.53631	0.064416	0.1646	0.117104
0.041404	0.372	0.239923	1.54E-07	0.090872	0.0497	0.312967	4.52E-12	0.356865
0.027529	0.5529	0.087263	0.05952	0.040588	0.38151	0.084897	0.0668	0.144331
0.040895	0.37792	-0.001	0.98285	0.060533	0.19161	-0.03943	0.39531	-0.11723
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-0.08294	0.07336	-0.12142	0.00862	-0.08157	0.07826	-0.1191	0.00999	-0.1614
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0.032223	0.48727	0.010469	0.82149	0.047328	0.30744	-0.01223	0.79211	0.049869
-0.00149	0.97436	-0.04318	0.35186	-0.01442	0.75595	-0.04052	0.38229	-0.04332
-0.06463	0.16317	0.062718	0.17604	-0.00325	0.94409	0.099423	0.0317	0.168121
-0.06985	0.13172	0.036745	0.42824	-0.01671	0.71875	0.085247	0.06568	0.100776
-0.01269	0.78454	-0.05197	0.26239	-0.01782	0.70097	-0.05994	0.19599	-0.08389
0.018537	0.68948	-0.01924	0.67841	0.016883	0.71594	-0.02689	0.5622	-0.03758
0.010551	0.8201	0.035392	0.44545	0.017545	0.70531	0.034787	0.45328	0.071077
0.108921	0.01855	0.052479	0.25771	0.106602	0.02122	-0.01218	0.7929	0.003366
-0.07488	0.10607	-0.04737	0.30702	-0.03272	0.48058	-0.05547	0.23154	0.046478
-0.06022	0.19394	-0.06827	0.14075	-0.07434	0.10862	-0.04155	0.37028	-0.05878
0.055653	0.23	0.034863	0.45229	0.083321	0.07204	-0.00123	0.97883	-0.03003
0.050814	0.27314	0.062497	0.17757	0.030232	0.51458	0.068344	0.14029	0.113779
-0.11791	0.01077	-0.00113	0.98054	-0.09535	0.03943	0.059083	0.20249	0.117192
-0.07084	0.12634	0.020341	0.66106	-0.03917	0.39841	0.049528	0.28548	0.157002
-0.02288	0.62187	0.084334	0.06863	0.002472	0.95751	0.109581	0.01784	0.248623
-0.0261	0.57371	0.222633	1.18E-06	0.053123	0.25191	0.285249	3.41E-10	0.503922
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0.011089	0.81111	-0.08077	0.08124	-0.0352	0.44791	-0.09775	0.0347	-0.07322
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-0.01112	0.81057	-0.00871	0.85108	-0.02042	0.65984	-0.00533	0.9086	0.070148



0.003573	0.93861	-0.01878	0.68568	-0.01546	0.73895	-0.02713	0.5586	0.042076
-0.06636	0.15223	-0.01413	0.76063	-0.05502	0.23533	0.009242	0.84211	0.053944
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-0.11004	0.01737	0.030693	0.50818	-0.05182	0.26372	0.058277	0.20873	0.21654
-0.1275	0.0058	-0.22471	9.30E-07	-0.14763	0.00138	-0.23791	1.97E-07	-0.27812
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-0.04115	0.37493	-0.04399	0.34283	-0.04312	0.35252	-0.04153	0.37052	0.04032
-0.05925	0.20119	-0.11231	0.01517	-0.10035	0.03015	-0.09788	0.03446	-0.11194
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-0.02924	0.52854	0.146679	0.00148	0.011423	0.80553	0.189121	3.90E-05	0.406994
-0.1096	0.01783	-0.10585	0.02216	-0.10649	0.02135	-0.07784	0.09293	-0.09201
-0.07603	0.1008	-0.00818	0.86013	-0.03791	0.41374	0.000242	0.99584	0.069735
-0.10185	0.02774	0.014347	0.75715	-0.05482	0.23706	0.034335	0.45917	0.247964
-0.01394	0.76388	0.027677	0.55076	-0.01818	0.69517	0.037851	0.41446	0.07933
-0.0652	0.1595	-0.02443	0.59853	-0.04468	0.33537	-0.0129	0.78106	0.045048
0.02694	0.56142	0.028559	0.53813	0.01798	0.69835	0.020683	0.65573	0.112367
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0.010553	0.82007	0.046152	0.31963	0.020109	0.66469	0.035808	0.44012	0.154514
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-0.06219	0.1797	0.053104	0.25207	-0.01872	0.68655	0.076005	0.10091	0.217797
0.009856	0.83177	-0.00496	0.91483	-0.0104	0.82269	0.002774	0.95232	0.039478
-0.07865	0.08955	0.056095	0.22631	-0.02707	0.55959	0.093623	0.04315	0.202795
-0.06128	0.18617	-0.00547	0.90622	-0.01288	0.78132	-0.01628	0.72562	0.060525
-0.04265	0.35775	0.068631	0.13863	-0.03758	0.41783	0.116313	0.01189	0.260824
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-0.13675	0.00307	-0.02615	0.57303	-0.09853	0.03329	0.024754	0.59363	0.113343
-0.00741	0.87304	0.102251	0.02714	0.012863	0.7816	0.127219	0.0059	0.317969
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-0.10288	0.0262	-0.14355	0.00187	-0.11791	0.01077	-0.14154	0.00217	-0.10417
-0.08217	0.07605	-0.00967	0.83489	-0.04474	0.33466	0.01294	0.78032	0.06175
0.000566	0.99027	-0.04619	0.31927	-0.03127	0.50023	-0.05168	0.26502	-0.09912
-0.13884	0.00264	-0.10945	0.01799	-0.11487	0.01299	-0.09789	0.03444	-0.09923
-0.04958	0.28499	0.102548	0.02669	0.000796	0.98631	0.139284	0.00256	0.263357
-0.00649	0.88876	0.029429	0.52582	-0.02249	0.6279	0.045276	0.32892	0.128524
-0.09593	0.03824	-0.0821	0.0763	-0.11171	0.01573	-0.03426	0.46014	-0.09104
-0.03743	0.41974	0.104531	0.02388	0.011436	0.80531	0.142714	0.00199	0.28848

-0.12965	0.00501	-0.01582	0.73318	-0.07403	0.11009	0.017278	0.70959	0.150472
-0.04084	0.37854	0.039784	0.39102	-0.04207	0.36434	0.076025	0.10082	0.213887
-0.12027	0.00928	-0.03151	0.49702	-0.08848	0.05605	0.000959	0.98351	0.077668
-0.02303	0.61966	0.109787	0.01763	0.027217	0.5574	0.123913	0.00734	0.251351
-0.13618	0.00319	-0.14578	0.00158	-0.12802	0.0056	-0.12745	0.00581	-0.17565
-0.19725	1.76E-05	-0.16028	0.00051	-0.15365	0.00086	-0.13773	0.00286	-0.18251
-0.1267	0.00611	-0.07803	0.09211	-0.08213	0.0762	-0.07276	0.11636	-0.02255
-0.08169	0.07782	-0.17072	0.00021	-0.09583	0.03844	-0.1874	4.60E-05	-0.1752
-0.10159	0.02816	0.000939	0.98385	-0.07025	0.12951	0.04553	0.3262	0.139115
-0.09427	0.04173	-0.00676	0.88412	-0.08201	0.07663	0.03574	0.44099	0.132682
-0.0512	0.26952	0.063036	0.17385	0.003247	0.9442	0.076709	0.09778	0.224387
-0.04494	0.33254	0.06141	0.18525	-0.00565	0.90306	0.085662	0.06437	0.147606
0.008153	0.86051	0.130469	0.00474	0.046907	0.31177	0.150433	0.00111	0.274542
-0.00673	0.88461	0.109769	0.01765	0.037646	0.417	0.101109	0.02891	0.255358
-0.08156	0.0783	-0.02176	0.63901	-0.06958	0.13323	0.012616	0.78569	0.12742
0.080959	0.08051	0.040917	0.37766	0.023047	0.61934	0.031816	0.49279	0.021495
-0.1302	0.00483	-0.1608	0.00049	-0.11871	0.01024	-0.15762	0.00063	-0.21824
-0.08894	0.05477	0.057365	0.21595	-0.04269	0.35736	0.100323	0.03018	0.20142
-0.06234	0.17868	0.03016	0.51558	-0.02918	0.52934	0.046225	0.31887	0.164621
-0.07978	0.08502	0.065122	0.16002	-0.02134	0.64546	0.091382	0.04842	0.248846
-0.09057	0.05047	0.021292	0.64628	-0.06884	0.13743	0.072827	0.11603	0.182635
-0.06013	0.19457	-0.07445	0.10808	-0.08883	0.05508	-0.05593	0.22768	-0.00215
-0.03436	0.4589	-0.07534	0.10395	-0.09534	0.03945	-0.05249	0.25759	-0.04231
-0.03849	0.40664	-0.04354	0.34781	-0.05577	0.22902	-0.03166	0.49484	0.068023
-0.06037	0.19279	-0.0692	0.13536	-0.1093	0.01814	-0.02306	0.61911	-0.04345
-0.05191	0.26287	0.045963	0.32162	-0.03865	0.40466	0.087887	0.05772	0.155521
-0.09732	0.03551	-0.02205	0.63452	-0.10093	0.02919	0.035297	0.44667	0.163784
-0.09184	0.0473	-0.00624	0.89305	-0.06634	0.15234	0.03008	0.5167	0.118314
-0.07027	0.12942	-0.02105	0.64997	-0.07108	0.12506	0.015453	0.73909	0.038558
-0.08452	0.06803	0.010227	0.82554	-0.03303	0.47647	0.039658	0.39252	0.120094
-0.03484	0.45253	0.092168	0.04652	0.016059	0.72925	0.099909	0.03088	0.244226
-0.07308	0.11474	0.059938	0.19603	-0.02308	0.61879	0.092048	0.0468	0.219269
-0.07305	0.11489	-0.07387	0.11089	-0.09123	0.0488	-0.03952	0.39416	-0.03388
-0.02242	0.6289	0.098098	0.03406	0.001613	0.97226	0.145965	0.00156	0.243037
-0.04013	0.38692	0.078138	0.09168	-0.00753	0.87104	0.091464	0.04822	0.277038
-0.05392	0.24488	0.042432	0.36024	-0.02102	0.65053	0.065599	0.15697	0.234977
-0.13046	0.00475	-0.00141	0.97574	-0.08872	0.05538	0.047253	0.30821	0.128516
0.051105	0.2704	0.118953	0.01009	0.036824	0.42725	0.143798	0.00184	0.28781
-0.08672	0.06114	-0.15552	0.00075	-0.13412	0.00369	-0.14302	0.00195	-0.1541
-0.05817	0.20959	0.057324	0.21628	-0.03011	0.51632	0.095157	0.03983	0.212606
0.00769	0.86836	0.092797	0.04504	0.036713	0.42864	0.097311	0.03553	0.247467
-0.11866	0.01027	0.0524	0.25843	-0.04394	0.34345	0.096534	0.03703	0.190447
0.011395	0.806	0.080163	0.08354	0.001402	0.9759	0.109379	0.01806	0.23378
-0.05317	0.25145	0.032456	0.48412	-0.03115	0.50191	0.068622	0.13869	0.093358
-0.0247	0.5944	0.105979	0.02199	0.007951	0.86393	0.145058	0.00167	0.236944

-0.02353	0.61206	0.070348	0.129	-0.01284	0.78196	0.11005	0.01736	0.22835
-0.13184	0.00432	-0.01392	0.76421	-0.10482	0.02349	0.043869	0.34418	0.152369
-0.06373	0.16918	-0.00783	0.86605	-0.04273	0.35687	0.003931	0.93248	0.101896
-0.10896	0.0185	-0.06323	0.17251	-0.10568	0.02237	-0.02111	0.64904	0.017684
-0.10579	0.02223	-0.01444	0.75555	-0.06243	0.17803	0.018485	0.69032	0.040631
-0.00508	0.91284	0.129807	0.00496	0.014601	0.75298	0.175079	0.00014	0.31424
-0.15294	0.00091	-0.06972	0.13249	-0.13193	0.00429	-0.02131	0.64593	0.013538
-0.07887	0.08867	0.021684	0.64022	-0.02362	0.61059	0.037683	0.41653	0.129455
-0.1093	0.01814	0.037147	0.42321	-0.05852	0.20685	0.086888	0.06063	0.155112
-0.09528	0.03957	-0.00052	0.99114	-0.07022	0.12972	0.03616	0.43563	0.073789
-0.14098	0.00226	-0.06367	0.16955	-0.11579	0.01228	-0.02155	0.64222	-0.00398
-0.07105	0.12523	0.019094	0.68066	-0.05681	0.22041	0.066391	0.15201	0.170923
-0.07749	0.09441	0.096488	0.03712	-0.02342	0.61366	0.137848	0.00283	0.346925
-0.09909	0.03228	-0.00449	0.92293	-0.07532	0.10402	0.04589	0.3224	0.112185
-0.06969	0.13261	0.08883	0.05507	-0.01181	0.79908	0.130804	0.00464	0.203917
-0.14582	0.00158	-0.08387	0.07018	-0.1044	0.02406	-0.06207	0.18055	-0.04132
-0.03937	0.39593	0.012896	0.78105	-0.04535	0.32813	0.034021	0.46329	0.057934
-0.03553	0.44367	-0.0419	0.36634	-0.0688	0.13764	-0.01905	0.6814	0.010388
-0.10884	0.01864	-0.12044	0.00918	-0.12397	0.00731	-0.10578	0.02224	-0.1243
-0.07017	0.12996	-0.04523	0.32938	-0.08112	0.07992	-0.02052	0.65821	0.08306
-0.15312	0.0009	0.022409	0.62908	-0.07511	0.105	0.073974	0.11038	0.190777
-0.04413	0.34136	-0.13048	0.00474	-0.10297	0.02607	-0.12636	0.00625	-0.10537
-0.11023	0.01717	0.010724	0.81721	-0.07528	0.1042	0.061018	0.18807	0.047258
-0.01974	0.67048	0.089778	0.05252	-0.01202	0.79552	0.145659	0.0016	0.13624
-0.09915	0.03217	-0.00747	0.87212	-0.05151	0.26661	0.014816	0.74947	0.132712
-0.1429	0.00196	-0.04637	0.31737	-0.08578	0.06401	-0.01515	0.74408	0.032973
-0.11063	0.01677	-0.00756	0.87055	-0.0765	0.09872	0.037039	0.42456	0.129798
-0.1008	0.0294	0.044743	0.33464	-0.05428	0.24173	0.101996	0.02752	0.153731
-0.10944	0.01799	-0.04472	0.3349	-0.10099	0.0291	-0.00252	0.95669	0.100979
-0.07499	0.10558	-0.05701	0.21884	-0.08483	0.067	-0.02664	0.56573	0.015326
-0.03554	0.44351	0.054957	0.23588	-0.00721	0.87656	0.067814	0.14341	0.233316
-0.16307	0.0004	-0.09911	0.03224	-0.11505	0.01286	-0.08724	0.0596	0.019566
0.00696	0.88076	-0.03204	0.48969	-0.06769	0.14413	0.00646	0.88926	0.00952
-0.02797	0.54661	0.050563	0.27552	-0.01333	0.77395	0.071464	0.12303	0.149035
-0.12608	0.00637	-0.06215	0.18	-0.11692	0.01145	-0.02023	0.66282	0.089702
-0.05419	0.24246	-0.12251	0.00804	-0.10383	0.02484	-0.11497	0.01292	-0.19036
-0.04702	0.31066	-0.03718	0.42282	-0.06313	0.17321	-0.0109	0.81427	-0.05449
-0.06127	0.18625	-0.04002	0.38825	-0.0688	0.13768	-0.01991	0.66779	0.064124
-0.07408	0.10989	0.059499	0.19933	-0.00693	0.88122	0.072663	0.11685	0.154028
-0.11498	0.01291	0.006269	0.89252	-0.06089	0.18899	0.033573	0.4692	0.134069
-0.09157	0.04795	-0.08448	0.06815	-0.11063	0.01677	-0.06119	0.18679	0.002159
-0.07736	0.09496	0.028202	0.54323	-0.07481	0.10641	0.092171	0.04651	0.207252
-0.06426	0.16563	0.025706	0.57951	-0.03879	0.40296	0.066852	0.14918	0.123281
-0.09977	0.03111	0.04511	0.3307	-0.05586	0.22824	0.102106	0.02736	0.201832
-0.03706	0.42431	0.126002	0.0064	0.007192	0.87681	0.17105	0.0002	0.340636

-0.06775	0.14376	0.117045	0.01136	0.015383	0.74023	0.150837	0.00108	0.311295
0.029573	0.52379	0.170999	0.0002	0.07518	0.10468	0.172218	0.00018	0.345815
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-0.00668	0.88547	-0.11818	0.01059	-0.0429	0.35491	-0.14689	0.00146	-0.16415
-0.09792	0.03438	0.031719	0.49411	-0.05848	0.20714	0.075903	0.10137	0.220194
-0.13845	0.00271	-0.02907	0.53088	-0.07921	0.08729	0.010088	0.82788	0.075364
-0.15337	0.00088	7.44E-05	0.99872	-0.09727	0.0356	0.062077	0.18051	0.088879
-0.00747	0.87215	0.026255	0.57143	-0.02424	0.60133	0.040291	0.38501	0.182881
-0.02986	0.51977	0.140077	0.00241	0.044725	0.33484	0.160637	0.00049	0.298509
-0.10186	0.02774	-0.15674	0.00068	-0.1113	0.01611	-0.15565	0.00074	-0.22594
-0.00475	0.91852	0.093197	0.04412	0.001709	0.97062	0.126662	0.00613	0.378202
0.049057	0.29009	0.04931	0.28761	0.0401	0.38726	0.035941	0.43843	0.040042
0.002088	0.9641	-0.04243	0.36021	-0.04	0.38848	-0.02395	0.60564	0.010841
0.020595	0.6571	0.016868	0.71617	0.023236	0.61647	0.014427	0.75584	0.056549
0.146898	0.00146	0.074503	0.10785	0.048018	0.30044	0.090722	0.05008	0.058044
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0.040644	0.38085	-0.03283	0.47912	-0.01655	0.72128	-0.02647	0.56831	-0.06003
0.150744	0.00108	0.069362	0.13447	0.10788	0.01971	0.014001	0.76282	-0.0325
0.12805	0.00559	0.169521	0.00023	0.14731	0.00141	0.130309	0.00479	0.151595
-0.01748	0.70632	7.41E-05	0.99873	-0.01066	0.81821	0.009869	0.83156	0.038797
-0.01444	0.75568	0.027431	0.55431	0.006075	0.89583	0.050288	0.27814	-0.02739
0.19059	3.39E-05	0.091205	0.04886	0.132336	0.00417	0.032537	0.48303	-0.01842
0.00257	0.95583	0.039115	0.39904	0.01775	0.70202	0.058651	0.20582	0.026036
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0.028661	0.53668	0.037782	0.41531	0.028491	0.53911	0.033821	0.46592	0.029426
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0.007682	0.8685	0.085646	0.06442	0.033098	0.47551	0.099772	0.03111	0.276243
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0.106291	0.0216	0.10885	0.01862	0.121226	0.00873	0.056846	0.22014	0.119233
0.028538	0.53844	-0.01169	0.80113	-0.0039	0.93305	0.00291	0.94999	0.035652
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-0.01833	0.69278	0.023745	0.60877	-0.01012	0.8273	0.055671	0.22984	0.009489
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0.05303	0.25274	0.165251	0.00034	0.09711	0.03591	0.178006	0.00011	0.095741
0.076669	0.09796	0.060074	0.19501	0.079754	0.08514	0.033949	0.46424	0.009627
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0.015515	0.73807	-0.02638	0.56958	-0.01005	0.82849	-0.03186	0.49215	-0.07633
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0.038203	0.41014	-0.01972	0.67085	0.025422	0.5837	-0.04679	0.31296	-0.09322
0.057406	0.21563	0.047091	0.30987	0.084218	0.06901	0.004176	0.92828	0.006671
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0.016606	0.7204	-0.01217	0.79308	-0.00094	0.98385	-0.01943	0.67539	-0.05449
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0.010192	0.82614	0.010127	0.82722	0.010399	0.82265	0.012845	0.78189	0.007672
0.200618	1.25E-05	0.222511	1.19E-06	0.188092	4.31E-05	0.194175	2.39E-05	0.09763
0.151024	0.00106	0.089012	0.05458	0.126922	0.00602	0.032877	0.47847	-0.03119
0.174887	0.00015	0.059789	0.19714	0.106384	0.02149	0.015598	0.73672	-0.00055
0.010732	0.81707	-0.01457	0.75345	-0.007	0.88001	-0.01035	0.82349	-0.02953
0.009474	0.8382	-0.00666	0.88584	-0.00844	0.8557	-0.00326	0.94394	-0.01592
0.098989	0.03246	0.271527	2.45E-09	0.116252	0.01194	0.352321	4.28E-15	0.178763
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0.015828	0.73299	0.07529	0.10417	0.013833	0.7656	0.118973	0.01007	0.039541
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0.03883	0.40248	0.104151	0.0244	0.059435	0.19981	0.113802	0.01387	0.107142
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0.041855	0.36681	0.050366	0.27739	0.056177	0.22563	0.052406	0.25837	0.004763
0.079584	0.08581	0.070425	0.12858	0.063678	0.1695	0.063537	0.17045	0.030247
0.250425	4.14E-08	0.116728	0.01159	0.146001	0.00156	0.070068	0.13054	0.072777
0.031836	0.49252	0.00482	0.91726	0.004179	0.92824	0.010536	0.82036	-0.08247
-0.05951	0.19926	-0.05053	0.27581	-0.04208	0.36427	-0.03454	0.45655	-0.03472
0.148332	0.00131	0.113349	0.01425	0.105535	0.02256	0.095568	0.03898	0.058354
0.062605	0.17682	0.011273	0.80804	0.060053	0.19517	-0.02963	0.52306	-0.04177
-0.02501	0.5898	-0.03241	0.4847	-0.02373	0.60896	-0.02416	0.60246	-0.03644
-0.01784	0.70054	0.005594	0.90404	-0.01147	0.80478	0.014504	0.75458	0.012376
-0.00467	0.91978	0.010497	0.82102	0.00892	0.84755	0.015569	0.7372	-0.02769
0.098675	0.03302	0.058476	0.20717	0.067231	0.14688	0.044957	0.33234	0.009832
-0.05331	0.25022	-0.03728	0.42157	-0.04095	0.37723	-0.02116	0.64836	-0.04233
0.020579	0.65736	0.10015	0.03047	0.075086	0.10511	0.086415	0.06205	0.098935
0.01443	0.75579	-0.03283	0.47908	0.002309	0.9603	-0.04965	0.28434	-0.12871
0.009973	0.82981	-0.02455	0.59667	0.025379	0.58434	-0.05924	0.2013	-0.10166
-0.01403	0.76234	-0.03625	0.43455	-0.01103	0.81216	-0.04052	0.38235	-0.04226
0.024741	0.59383	0.024987	0.59016	0.022452	0.62841	0.022227	0.63187	0.024221
-0.00739	0.87341	0.025146	0.5878	0.029734	0.52154	0.011786	0.79947	-0.0059
-0.00873	0.85075	-0.00504	0.91342	-0.01361	0.76923	0.009066	0.84508	-0.01688
-0.07378	0.1113	-0.07375	0.11145	-0.05944	0.19977	-0.06826	0.14081	-0.11342
0.051509	0.26663	-0.00122	0.97911	0.031689	0.49452	-0.02299	0.62015	-0.04466
0.031356	0.49907	0.071967	0.1204	0.050536	0.27578	0.074201	0.10928	0.027037
0.048721	0.29341	0.02666	0.5655	0.014042	0.76216	0.037675	0.41664	0.081878
0.151718	0.00101	0.116929	0.01145	0.136854	0.00304	0.063407	0.17133	0.068188
0.035319	0.4464	0.034699	0.45442	0.013512	0.77088	0.052947	0.25348	0.105587
-0.04019	0.38617	-0.02464	0.5954	-0.02478	0.59319	-0.0066	0.88689	0.029382

-0.03963	0.39283	-0.00554	0.9049	-0.02152	0.64269	0.006659	0.88588	0.01088
-0.0017	0.97074	0.000162	0.99721	0.010492	0.8211	-0.00641	0.8902	-0.02988
-0.0017	0.97084	0.019667	0.67163	0.0133	0.77438	0.014593	0.75311	0.063325
-0.042	0.36518	0.005398	0.90739	-0.0147	0.75138	0.031873	0.49201	0.035604
-0.037	0.42508	0.013561	0.77008	-0.01128	0.80799	0.027011	0.56039	0.034443
-0.05327	0.25061	-0.02122	0.64743	-0.0359	0.43895	-0.00283	0.95135	0.003945
-0.02452	0.59715	0.031686	0.49456	0.00499	0.91436	0.042157	0.36335	0.052809
-0.03053	0.51038	-0.04724	0.30836	-0.04432	0.33925	-0.02821	0.54315	-0.08314
-0.03893	0.40133	-0.04999	0.28101	-0.04779	0.30271	-0.03017	0.51539	-0.08216
-0.053	0.25305	-0.03788	0.41412	-0.03721	0.42241	-0.02038	0.66051	-0.05116
-0.01044	0.82196	-0.01817	0.6954	-0.01277	0.78322	-0.01537	0.74039	-0.02188
-0.07321	0.11414	-0.04899	0.29078	-0.05068	0.27436	-0.02958	0.52369	-0.07369
-0.00708	0.87873	-0.01078	0.81634	-0.00165	0.97162	-0.01101	0.81243	-0.04993
0.020735	0.65493	0.003527	0.9394	0.003359	0.94228	0.006354	0.89108	-0.03075
0.086137	0.0629	0.034929	0.45144	0.02761	0.55173	0.054335	0.24123	0.004081
-0.045	0.33188	-0.03883	0.4025	-0.03318	0.47447	-0.02828	0.54212	-0.06349
0.008998	0.84622	0.034737	0.45393	0.031673	0.49473	0.0142	0.75956	-0.00949
0.030182	0.51527	0.027881	0.54783	0.050645	0.27473	0.00711	0.87821	-0.00048
0.032156	0.48818	0.031039	0.50341	0.045944	0.32182	0.012905	0.7809	0.008358
0.280856	6.50E-10	0.095305	0.03952	0.129009	0.00524	0.048264	0.29797	0.019852
0.001376	0.97635	0.03303	0.47643	0.025969	0.57562	0.033867	0.46532	0.052313
0.036287	0.43402	-0.00171	0.97059	0.017174	0.71125	-0.00857	0.85352	-0.06857
-0.01694	0.71506	-0.03781	0.41496	-0.03218	0.48786	-0.03218	0.48788	-0.05539
-0.01367	0.76824	-0.00698	0.88037	-5.88E-05	0.99899	-0.01858	0.68874	-0.01238
0.17996	9.21E-05	0.147697	0.00137	0.184654	5.96E-05	0.060814	0.18956	0.132778
0.036489	0.43147	0.047095	0.30983	0.018721	0.68657	0.044917	0.33277	0.104086
0.012081	0.79457	0.145866	0.00157	0.063684	0.16947	0.159731	0.00053	0.251215
0.158427	0.00059	0.255102	2.26E-08	0.175951	0.00013	0.247302	6.15E-08	0.533557
-0.03355	0.46944	0.134545	0.00358	0.024857	0.59209	0.181497	8.00E-05	0.247086
-0.01131	0.80748	-0.00761	0.86965	-0.02777	0.54941	0.011605	0.80249	-0.04964
-0.12829	0.00549	-0.05029	0.27815	-0.07616	0.10024	-0.01105	0.8117	-0.05367
0.071293	0.12393	0.207608	6.07E-06	0.118459	0.0104	0.218469	1.88E-06	0.381076
0.059985	0.19567	0.009892	0.83117	0.000979	0.98317	0.014734	0.75081	0.116259
0.048826	0.29237	-0.03489	0.45194	-0.0194	0.67577	-0.0323	0.4862	0.03437
0.116667	0.01163	0.216109	2.44E-06	0.155577	0.00074	0.194404	2.33E-05	0.390743
-0.09007	0.05175	0.051846	0.2635	-0.04508	0.33102	0.110429	0.01697	0.209383
-0.03255	0.48291	-0.00623	0.89323	-0.01249	0.78774	-0.00892	0.84751	0.0601
-0.03974	0.39149	0.121762	0.00844	0.045166	0.33009	0.147634	0.00138	0.299455
0.031877	0.49196	0.171598	0.00019	0.080437	0.08249	0.193765	2.49E-05	0.274751
0.051966	0.26239	0.05671	0.22124	0.051025	0.27114	0.055424	0.23192	0.055544
-0.0064	0.89034	0.105182	0.02301	0.044043	0.34227	0.130117	0.00486	0.275845
0.028027	0.54573	0.168197	0.00026	0.106398	0.02147	0.170307	0.00022	0.367222
-0.0161	0.72859	0.124754	0.00695	0.035649	0.44215	0.150582	0.0011	0.287355
0.048032	0.30029	0.1293	0.00513	0.066218	0.15309	0.156132	0.00071	0.300498
-0.01207	0.79477	0.101121	0.02889	0.022957	0.62071	0.132802	0.00404	0.22155

-0.05562	0.23024	0.086383	0.06215	-8.52E-05	0.99853	0.12023	0.0093	0.262234
-0.01496	0.74719	0.138493	0.00271	0.050896	0.27236	0.161605	0.00045	0.373273
0.05737	0.21591	0.243509	9.90E-08	0.12966	0.00501	0.260282	1.14E-08	0.526721
0.028823	0.53438	0.116885	0.01148	0.039277	0.39709	0.145181	0.00166	0.313313
-0.02446	0.59801	-0.01752	0.70576	-0.02865	0.53683	-0.00341	0.94141	0.052015
-0.06144	0.18502	0.100503	0.02989	0.030631	0.50905	0.106358	0.02152	0.253372
0.163946	0.00037	0.159503	0.00054	0.153274	0.00089	0.135046	0.00346	0.277217
-0.02302	0.61976	0.037914	0.41369	0.004641	0.92032	0.044703	0.33508	0.173822
0.077571	0.09406	0.245231	7.99E-08	0.125545	0.0066	0.277086	1.12E-09	0.435502
-0.02473	0.59398	0.106322	0.02156	0.012302	0.79089	0.15353	0.00087	0.242864
0.0006	0.98968	0.089098	0.05434	0.01347	0.77157	0.113381	0.01423	0.222276
0.021583	0.64177	0.110995	0.01641	0.038974	0.40074	0.132253	0.0042	0.212868
-0.02473	0.594	-0.00233	0.95997	-0.0213	0.64611	0.031147	0.50194	0.103719
-0.0029	0.95021	0.148412	0.0013	0.05794	0.21137	0.174834	0.00015	0.33733
-0.03717	0.42297	0.092106	0.04667	-0.0087	0.85134	0.140195	0.00239	0.208358
0.033006	0.47674	0.151291	0.00104	0.070062	0.13057	0.169001	0.00024	0.275267
0.100943	0.02917	0.188956	3.96E-05	0.105536	0.02255	0.194914	2.22E-05	0.433612
0.093833	0.04268	0.101932	0.02762	0.093315	0.04385	0.066229	0.15301	0.158389
-0.00123	0.97882	0.229798	5.17E-07	0.056524	0.22277	0.306249	1.35E-11	0.466687
-0.01911	0.68048	0.052165	0.26057	-0.00089	0.98463	0.077569	0.09407	0.177146
-0.01692	0.7153	0.161908	0.00044	0.057538	0.21457	0.196951	1.81E-05	0.300507
0.083532	0.07131	0.152177	0.00097	0.095045	0.04006	0.17206	0.00019	0.220878
0.00308	0.94708	0.031868	0.49208	0.001342	0.97693	0.042199	0.36288	0.033269
0.007669	0.86872	0.085525	0.0648	0.04972	0.28361	0.096427	0.03724	0.159924
0.046974	0.31108	0.133318	0.0039	0.083578	0.07116	0.119849	0.00953	0.357339
-0.01606	0.72926	0.089648	0.05286	0.038178	0.41044	0.094581	0.04105	0.210806
0.112156	0.01531	0.261426	9.79E-09	0.157898	0.00062	0.261211	1.01E-08	0.505408
0.111903	0.01555	0.059342	0.20051	0.035825	0.4399	0.068468	0.13957	0.224634
0.022246	0.63158	0.100186	0.03041	0.042553	0.35887	0.107153	0.02055	0.161383
-0.01718	0.71124	0.034615	0.45552	0.015056	0.74555	0.031015	0.50374	0.170713
0.033758	0.46676	0.111624	0.01581	0.040848	0.37847	0.141548	0.00217	0.177714
-0.00886	0.84863	0.074371	0.10848	0.026646	0.56571	0.072496	0.1177	0.202006
-0.03085	0.50599	0.014585	0.75326	0.001479	0.97457	0.021598	0.64155	0.080239
-0.01513	0.74437	0.018776	0.6857	-0.03408	0.46246	0.056904	0.21967	0.057409
0.050395	0.27712	0.112839	0.0147	0.064094	0.16673	0.126764	0.00609	0.207745
-0.03365	0.46814	0.132231	0.0042	0.037506	0.41873	0.163467	0.00039	0.272546
0.03164	0.49519	0.074376	0.10845	0.059623	0.19839	0.068062	0.14194	0.198356
0.24882	5.08E-08	0.301228	2.99E-11	0.231221	4.37E-07	0.277883	9.98E-10	0.511809
-0.07185	0.12099	0.079681	0.08542	0.004589	0.92121	0.111262	0.01615	0.197321
-0.10888	0.01859	-0.02876	0.53527	-0.06842	0.13982	0.015411	0.73977	0.047856
-0.01271	0.78417	0.068715	0.13815	0.025655	0.58026	0.071986	0.12031	0.116619
0.071749	0.12154	0.152255	0.00096	0.090503	0.05063	0.143939	0.00182	0.208165
-0.01083	0.81551	0.082998	0.07315	0.016804	0.71721	0.109449	0.01798	0.279264
-5.15E-06	0.99991	-0.07246	0.11788	-0.03913	0.39888	-0.07377	0.11138	-0.09832
0.030638	0.50895	0.119688	0.00963	0.056742	0.22099	0.140656	0.00231	0.224142

0.086821	0.06083	0.1668	0.00029	0.112582	0.01493	0.159155	0.00056	0.236111
0.182322	7.41E-05	0.244729	8.50E-08	0.18529	5.62E-05	0.231969	4.00E-07	0.370557
0.006144	0.89466	0.077727	0.0934	0.035477	0.44436	0.097267	0.03561	0.115228
0.082773	0.07394	0.133226	0.00392	0.081003	0.08035	0.143729	0.00185	0.23414
0.160362	0.0005	0.1221	0.00826	0.099414	0.03172	0.105033	0.02321	0.163946
0.058218	0.20919	0.093522	0.04338	0.052514	0.25739	0.103481	0.02534	0.282567
-0.05939	0.20017	0.055276	0.23317	0.017168	0.71135	0.064474	0.16422	0.185647
0.138674	0.00267	0.127115	0.00595	0.118763	0.01021	0.099384	0.03177	0.301319
-0.00644	0.88959	0.126679	0.00612	0.017051	0.71324	0.167211	0.00028	0.333639
-0.06315	0.17308	0.064421	0.16457	-0.00455	0.9219	0.107984	0.01959	0.136671
-0.0284	0.54042	0.08479	0.06714	0.010414	0.8224	0.118716	0.01024	0.143058
0.003985	0.93155	0.169451	0.00023	0.069563	0.13334	0.191974	2.96E-05	0.392552
0.04632	0.31788	0.149324	0.00121	0.085459	0.06501	0.151767	0.001	0.319699
0.03167	0.49477	0.165462	0.00033	0.076118	0.1004	0.180383	8.86E-05	0.434818
0.055119	0.2345	0.16381	0.00038	0.10853	0.01898	0.160659	0.00049	0.250154
0.102913	0.02615	0.301122	3.04E-11	0.179431	9.67E-05	0.296749	6.01E-11	0.610551
0.114415	0.01336	0.225355	8.64E-07	0.136648	0.00309	0.234354	3.02E-07	0.395251
0.049925	0.28163	0.152174	0.00097	0.081807	0.07738	0.158417	0.00059	0.269057
0.020172	0.66371	0.131801	0.00433	0.051104	0.27041	0.163474	0.00039	0.273564
0.016587	0.72071	0.146746	0.00147	0.064997	0.16082	0.162118	0.00044	0.317971
-0.01344	0.77201	0.158854	0.00057	0.061554	0.18422	0.169977	0.00022	0.324256
0.063529	0.1705	0.152245	0.00097	0.105708	0.02233	0.139936	0.00244	0.305134
0.023137	0.61798	0.057597	0.2141	0.000105	0.9982	0.094119	0.04205	0.243748
0.026861	0.56258	0.152824	0.00092	0.06302	0.17396	0.178521	0.00011	0.258804
-0.05283	0.25454	-0.04726	0.3081	-0.03803	0.41227	-0.0201	0.66481	0.006576
0.002067	0.96446	0.053277	0.25053	0.043567	0.34752	0.033747	0.46691	0.146033
-0.04823	0.2983	0.111378	0.01604	0.016457	0.72281	0.143157	0.00193	0.232097
0.026018	0.57491	0.042559	0.3588	0.000232	0.996	0.075874	0.1015	0.144371
0.036894	0.42637	0.212433	3.63E-06	0.107077	0.02065	0.22796	6.40E-07	0.366073
0.101623	0.0281	0.073069	0.11482	0.046368	0.31737	0.084374	0.0685	0.168371
0.015322	0.74121	0.13538	0.00338	0.070929	0.12587	0.145046	0.00167	0.317086
0.027887	0.54774	0.172258	0.00018	0.094886	0.0404	0.171947	0.00019	0.383722
-0.02925	0.5284	0.116567	0.01171	0.040729	0.37986	0.138348	0.00273	0.253193
-0.02092	0.65202	0.022891	0.62172	-0.05006	0.28028	0.071866	0.12093	0.120444
-0.0406	0.38132	0.059505	0.19928	0.020062	0.66543	0.068913	0.13701	0.17994
0.160837	0.00048	0.260749	1.07E-08	0.181359	8.10E-05	0.258336	1.48E-08	0.414436
0.000309	0.99469	0.080606	0.08184	0.022856	0.62225	0.089624	0.05293	0.258107
0.057342	0.21613	0.104571	0.02382	0.10633	0.02155	0.069836	0.13182	0.177044
0.064659	0.16301	0.22571	8.29E-07	0.114323	0.01343	0.246265	7.01E-08	0.470987
-0.00484	0.91692	0.006373	0.89074	-0.01867	0.6873	0.037779	0.41535	0.105725
-0.01152	0.80394	0.040829	0.37868	0.031551	0.49639	0.027416	0.55454	0.060853
0.069119	0.13584	-0.02716	0.55822	-0.00977	0.83327	-0.024	0.6049	0.001193
0.020582	0.65731	0.181013	8.36E-05	0.087333	0.05932	0.205763	7.37E-06	0.33094
0.032131	0.48851	0.181967	7.66E-05	0.091408	0.04836	0.207906	5.89E-06	0.331693
0.055436	0.23181	0.203085	9.73E-06	0.082067	0.07644	0.239997	1.53E-07	0.386285



0.006518	0.88828	0.090638	0.05029	0.033432	0.47108	0.100346	0.03015	0.165078
0.050857	0.27273	0.190804	3.32E-05	0.09331	0.04386	0.215534	2.59E-06	0.429256
-0.06425	0.16571	-0.03825	0.40959	-0.04461	0.33605	-0.02793	0.54708	0.060711
0.181299	8.14E-05	0.368949	1.66E-16	0.2228	1.16E-06	0.38062	1.51E-17	0.662467
0.025245	0.58633	0.201846	1.10E-05	0.075318	0.10404	0.245971	7.28E-08	0.396407
0.033449	0.47085	0.180847	8.49E-05	0.088467	0.05608	0.195155	2.17E-05	0.384624
0.116571	0.0117	0.282794	4.90E-10	0.164101	0.00037	0.289433	1.83E-10	0.631441
-0.02228	0.63107	0.150659	0.00109	0.047795	0.30269	0.175432	0.00014	0.387559
-0.02379	0.60805	0.040074	0.38757	-0.02955	0.52405	0.08092	0.08066	0.153505
0.119839	0.00954	0.338148	5.90E-14	0.189395	3.80E-05	0.364686	3.89E-16	0.586795
0.014605	0.75292	-0.02314	0.61799	-0.03284	0.4789	-0.01382	0.76587	-0.0922
0.041905	0.36624	-0.05674	0.22102	-0.01769	0.70305	-0.05928	0.20101	-0.15637
0.027089	0.55926	-0.02534	0.58495	0.013525	0.77066	-0.04454	0.33686	-0.04558
-0.06661	0.15066	-0.11351	0.01411	-0.0617	0.18319	-0.11466	0.01316	-0.129
-0.01524	0.74261	-0.11835	0.01048	-0.08223	0.07584	-0.12662	0.00615	-0.15083
-0.05053	0.2758	-0.07211	0.11965	-0.07743	0.09467	-0.04795	0.30117	-0.14935
0.022464	0.62824	-0.00963	0.83552	-0.01536	0.74064	0.001556	0.97324	0.068822
-0.0517	0.26487	-0.0854	0.06519	-0.07611	0.10045	-0.06689	0.14897	-0.17016
0.017443	0.70695	-0.02335	0.61478	-0.02378	0.60831	-0.02866	0.53663	0.008637
0.017504	0.70596	-0.1024	0.02692	-0.03382	0.46598	-0.12976	0.00498	-0.21083
-0.04115	0.37498	-0.20717	6.36E-06	-0.16032	0.00051	-0.18636	5.08E-05	-0.29139
0.015541	0.73765	-0.04675	0.31339	0.010863	0.81489	-0.08094	0.08058	-0.1233
0.012496	0.78768	-0.04273	0.35682	0.005193	0.91088	-0.07218	0.11929	-0.07122
-0.05344	0.24907	0.036422	0.43231	0.012866	0.78154	0.039383	0.39582	0.102292
-0.00047	0.99193	-0.07476	0.10662	-0.05979	0.19717	-0.07437	0.10846	-0.14709
-0.063	0.17411	-0.0856	0.06458	-0.10022	0.03036	-0.04653	0.3157	-0.11118
0.00349	0.94005	-0.08705	0.06014	-0.05514	0.23436	-0.08849	0.05603	-0.08565
-0.06533	0.15871	-0.00538	0.90776	-0.04007	0.38765	0.008535	0.85405	0.013815
-0.06289	0.17486	-0.02469	0.59453	-0.05073	0.27393	-0.00529	0.90917	-0.00464
-0.00722	0.87629	-0.04099	0.37676	-0.05557	0.23067	-0.02915	0.5298	0.040329
0.074209	0.10925	-0.01704	0.71343	-0.02253	0.62724	-0.01648	0.7224	0.035004
0.03224	0.48704	0.023215	0.61679	0.008801	0.84955	0.02471	0.59428	0.097433
-0.09207	0.04675	-0.04095	0.37725	-0.06476	0.16237	-0.00833	0.8575	-0.01145
0.022541	0.62706	-0.10686	0.0209	-0.04903	0.29038	-0.1234	0.00759	-0.21181
-0.01787	0.70005	-0.08213	0.07622	-0.07154	0.1226	-0.0739	0.11074	-0.08919
-0.03674	0.4283	-0.1002	0.03039	-0.08128	0.07932	-0.09069	0.05016	-0.1402
-0.07937	0.08667	-0.10476	0.02357	-0.09272	0.04522	-0.09714	0.03586	-0.15021
0.072046	0.12	-0.04571	0.32435	0.024159	0.60254	-0.07742	0.0947	-0.12129
-0.02059	0.65718	-0.014	0.76277	-0.02152	0.64273	-0.01887	0.68427	-0.03805
-0.03391	0.46469	-0.09322	0.04407	-0.04801	0.30053	-0.10087	0.0293	-0.21207
0.001201	0.97936	-0.08094	0.08059	-0.07223	0.11907	-0.07672	0.09772	-0.06896
0.080631	0.08175	-0.0316	0.49572	0.007219	0.87635	-0.03182	0.49279	-0.09467
0.027474	0.55369	-0.0323	0.48627	-0.0014	0.97597	-0.05112	0.27023	-0.06112
0.032274	0.48658	-0.05371	0.24671	0.007998	0.86314	-0.08265	0.07436	-0.15403
-0.0563	0.22462	-0.02139	0.64481	-0.02875	0.53545	-0.01512	0.74449	-0.03222

0.055692	0.22966	-0.07475	0.10666	-0.0336	0.4688	-0.08956	0.05309	-0.10639
-0.01522	0.74285	-0.08439	0.06845	-0.06481	0.16204	-0.0766	0.09827	-0.17903
0.069087	0.13602	-0.0326	0.48216	0.030901	0.50532	-0.07537	0.10379	-0.0773
-0.00946	0.83836	-0.12192	0.00835	-0.05188	0.26315	-0.13942	0.00253	-0.19277
0.043758	0.34541	0.044625	0.33593	0.073976	0.11037	0.00603	0.89659	0.030584
0.007827	0.86604	0.05647	0.22321	0.021401	0.64459	0.067944	0.14264	0.083118
0.022317	0.63048	-0.00291	0.94999	0.002223	0.96179	-0.00752	0.87117	-0.00956
-0.00148	0.97462	-0.09538	0.03936	-0.04136	0.37252	-0.10338	0.02549	-0.17655
0.008671	0.85176	-0.00268	0.9539	-0.00398	0.93158	-0.00257	0.95579	-0.01866
-0.03269	0.48103	-0.02764	0.55131	-0.03126	0.50039	-0.02697	0.56095	-0.0003
-0.0863	0.0624	-0.17072	0.00021	-0.1557	0.00073	-0.13013	0.00486	-0.23732
0.024498	0.59745	-0.04435	0.33886	-0.02028	0.66201	-0.05353	0.24832	-0.09888
0.061873	0.18195	-0.03986	0.39017	0.000273	0.9953	-0.05839	0.20788	-0.10344
-0.01984	0.66898	-0.03067	0.50845	-0.04176	0.36795	-0.01935	0.67668	-0.07546
-0.02173	0.63953	-0.04138	0.37229	-0.02101	0.6507	-0.04438	0.33864	-0.10272
0.054729	0.23784	-0.03669	0.42891	-0.00125	0.97856	-0.05261	0.25652	-0.08728
-0.05444	0.24031	-0.03428	0.45995	-0.03474	0.45384	-0.03266	0.48139	-0.02066
-3.19E-05	0.99945	-0.0322	0.48753	-0.03805	0.41201	-0.01111	0.81073	-0.09348
0.02205	0.63458	0.046792	0.31296	0.030953	0.5046	0.029049	0.53119	0.078214
0.028346	0.54117	-0.07529	0.10415	-0.01778	0.70148	-0.10464	0.02374	-0.13734
0.017578	0.70478	0.033821	0.46592	0.04708	0.30999	0.013254	0.77514	0.018914
-0.05774	0.21293	-0.04685	0.31233	-0.05984	0.19672	-0.03685	0.42697	-0.09666
0.03304	0.47629	0.017223	0.71047	0.013043	0.77863	0.003069	0.94727	0.038457
-0.0127	0.78432	-0.06162	0.18372	-0.03332	0.47259	-0.05889	0.20396	-0.07617
-0.01823	0.69431	-0.14971	0.00117	-0.08636	0.06222	-0.14724	0.00142	-0.26922
0.009262	0.84177	-0.08657	0.06158	-0.06134	0.18577	-0.08468	0.06749	-0.16277
0.054199	0.24241	-0.0185	0.69008	-0.01291	0.78083	-0.0196	0.67261	-0.06273
0.024362	0.59949	0.06629	0.15264	0.036838	0.42707	0.05872	0.20528	0.13617
0.011055	0.81167	-0.08939	0.05354	-0.01237	0.78979	-0.116	0.01213	-0.23724
-0.04363	0.34688	-0.10501	0.02324	-0.05948	0.1995	-0.10813	0.01942	-0.18984
0.000735	0.98737	-0.09494	0.04028	-0.03232	0.48602	-0.1134	0.01421	-0.22663
0.009423	0.83906	-0.01698	0.7143	-0.01329	0.77452	-0.00711	0.87817	-0.03614
-0.02859	0.5377	-0.11203	0.01543	-0.05475	0.23767	-0.12082	0.00896	-0.22031
-0.03105	0.5033	-0.10162	0.02811	-0.04114	0.37509	-0.11598	0.01214	-0.16203
0.002671	0.95409	-0.03129	0.49994	-0.02694	0.56147	-0.02546	0.58318	-0.05481
-0.08926	0.05391	-0.06858	0.13893	-0.06361	0.16998	-0.06516	0.15974	-0.06418
0.019522	0.67392	-0.03773	0.41591	-0.02073	0.65505	-0.04361	0.34704	-0.10178
0.056603	0.22213	-0.068	0.14232	-0.00161	0.97227	-0.09908	0.03229	-0.13256
-0.00744	0.87253	0.000533	0.99084	-0.00476	0.91835	-0.00074	0.9873	-0.07786
-0.02488	0.59179	-0.15975	0.00053	-0.09151	0.0481	-0.16769	0.00027	-0.27792
0.058782	0.2048	-0.01346	0.77168	0.005509	0.90548	-0.0337	0.46746	-0.02804
-0.00177	0.96962	0.062592	0.17691	0.016952	0.71482	0.076549	0.09849	0.138366
-0.05575	0.22916	0.052713	0.25559	-0.01103	0.81209	0.080234	0.08327	0.163812
-0.08818	0.05688	-0.0672	0.1471	-0.0801	0.0838	-0.04638	0.31724	-0.05863
0.00156	0.97318	0.041521	0.37065	0.037595	0.41762	0.013916	0.76423	0.055574

-0.05069	0.27432	-0.00292	0.94978	-0.01997	0.6668	0.002851	0.95101	-0.02139
0.041464	0.37131	-0.03227	0.48669	-0.01087	0.8147	-0.03791	0.41368	-0.11058
0.017523	0.70567	0.114824	0.01303	0.05616	0.22577	0.124475	0.00708	0.223394
0.030921	0.50504	-0.01697	0.7145	-0.00231	0.9603	-0.0305	0.51083	-0.08899
0.03535	0.446	0.008178	0.86009	0.006785	0.88374	0.004861	0.91657	-0.01795
-0.01776	0.70192	-0.04691	0.31177	-0.04996	0.2813	-0.04029	0.38506	-0.08605
0.007454	0.87237	0.03554	0.44356	-0.01019	0.82614	0.048565	0.29495	0.142918
-0.01945	0.6751	-0.03432	0.45933	-0.02224	0.6316	-0.04517	0.3301	-0.12833
0.020731	0.65498	-0.03144	0.4979	-0.01066	0.81827	-0.03286	0.47875	-0.11332
-0.0894	0.05353	-0.03914	0.39868	-0.05683	0.22024	-0.02053	0.65815	-0.03477
-0.07647	0.09886	-0.13093	0.0046	-0.08481	0.06709	-0.13666	0.00308	-0.21058
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0.005709	0.90208	-0.06392	0.1679	-0.01637	0.72424	-0.06562	0.15686	-0.13119
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0.006436	0.88968	-0.0002	0.99656	0.016864	0.71625	-0.0279	0.54756	-0.02079
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0.038539	0.40602	0.00438	0.92479	0.009998	0.82939	-0.01877	0.6858	-0.06096
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0.029866	0.51968	-0.00364	0.9375	-0.0014	0.97599	-0.00294	0.94945	-0.00809
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0.061941	0.18146	0.023411	0.61383	-0.00709	0.87861	0.050831	0.27297	0.018698
0.043931	0.3435	-0.03838	0.408	0.005787	0.90074	-0.05426	0.24185	-0.09489
0.04216	0.36333	-0.03006	0.51696	0.044463	0.33769	-0.08286	0.07364	-0.14664
0.004071	0.93009	-0.08281	0.0738	-0.07103	0.12532	-0.07213	0.11955	-0.06159
0.040278	0.38515	-0.02342	0.6137	-0.02293	0.6212	-0.0193	0.67743	-0.05671
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0.005555	0.90469	-0.01548	0.73865	-0.05015	0.27947	0.004272	0.92665	0.058109
-0.01075	0.81685	-0.05914	0.20206	-0.01517	0.74362	-0.06704	0.14803	-0.11125
0.044098	0.34167	0.027675	0.5508	0.00184	0.96838	0.037572	0.41792	-0.04465
-0.05688	0.21988	-0.07743	0.09467	-0.06333	0.17182	-0.07957	0.08586	-0.07859
0.048365	0.29695	0.012797	0.78268	0.009163	0.84345	0.009231	0.8423	0.013576
0.024498	0.59746	-0.01384	0.76545	-0.01677	0.71768	-0.00567	0.90266	-0.12981
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0.176777	0.00012	0.092422	0.04591	0.125488	0.00662	0.050051	0.28042	0.052487
-0.06874	0.13802	-0.12749	0.0058	-0.09655	0.037	-0.11786	0.0108	-0.19661
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-0.00201	0.96537	-0.08732	0.05935	-0.0172	0.71081	-0.10476	0.02357	-0.14463
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0.005579	0.90429	0.008404	0.85626	0.001961	0.96629	-0.00192	0.96701	-0.03258
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-0.01035	0.82355	-0.07295	0.11541	-0.04757	0.30496	-0.08339	0.0718	-0.17589
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-0.1065	0.02134	-0.18953	3.75E-05	-0.14453	0.00174	-0.18357	6.60E-05	-0.27163
-0.00327	0.94387	-0.06472	0.16263	-0.04965	0.28433	-0.05835	0.20817	-0.13207
0.008751	0.85041	-0.05715	0.21766	-0.02413	0.60294	-0.06865	0.1385	-0.1158
0.041905	0.36624	0.012969	0.77985	0.025514	0.58234	0.012685	0.78455	-0.0213
0.006647	0.88609	0.013541	0.7704	-0.01477	0.75019	0.013995	0.76292	0.017933
-0.03846	0.40699	-0.10929	0.01815	-0.07028	0.12938	-0.12659	0.00616	-0.15652
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-0.01216	0.79326	-0.09122	0.04883	-0.03381	0.46603	-0.10942	0.01802	-0.20866
0.047868	0.30195	-0.00468	0.91958	0.027473	0.5537	-0.05111	0.27037	0.012228
-0.07062	0.12751	-0.1018	0.02783	-0.0668	0.1495	-0.10014	0.03049	-0.25203
0.007218	0.87637	0.076097	0.1005	0.026631	0.56593	0.072893	0.11569	0.096475
0.058736	0.20516	0.000388	0.99333	0.010452	0.82177	-0.02442	0.59868	-0.07882
0.016537	0.72152	-0.03751	0.41862	-0.02203	0.63486	-0.04537	0.32789	-0.01555
0.021226	0.64729	-0.15206	0.00098	-0.09626	0.03758	-0.14441	0.00176	-0.30612
0.069435	0.13406	-0.05506	0.23502	-0.0507	0.2742	-0.03611	0.43632	-0.11713
0.035708	0.4414	-0.07504	0.10532	-0.03799	0.41276	-0.07805	0.09204	-0.12205
0.035792	0.44032	0.133456	0.00386	0.083795	0.07043	0.135595	0.00333	0.310813
-0.07452	0.10778	0.018713	0.68669	-0.0361	0.43646	0.052563	0.25695	0.230978
0.003562	0.93881	0.0782	0.09142	0.031895	0.49171	0.092123	0.04663	0.201902
-0.04857	0.29493	0.062339	0.17867	-0.01294	0.78031	0.106725	0.02107	0.273614
0.065804	0.15568	0.176157	0.00013	0.117401	0.01112	0.15511	0.00077	0.381841
-0.04408	0.34188	0.095382	0.03936	0.03899	0.40055	0.098565	0.03321	0.286953
0.127583	0.00576	0.127285	0.00588	0.139755	0.00247	0.086894	0.06061	0.204203
-0.10375	0.02495	0.009611	0.8359	-0.01961	0.67248	0.032015	0.49009	0.114789
-0.01206	0.79492	0.097289	0.03557	0.054403	0.24065	0.10091	0.02923	0.209071
-0.02004	0.66577	0.130584	0.00471	0.056498	0.22298	0.144901	0.00169	0.290306
0.011877	0.79796	0.115488	0.01251	0.080721	0.08141	0.102803	0.02632	0.281822
-0.06564	0.15671	0.088961	0.05472	0.023151	0.61776	0.098157	0.03395	0.242032
-0.00995	0.83025	0.073472	0.11282	0.059074	0.20256	0.046037	0.32084	0.183243
0.020701	0.65545	0.148927	0.00125	0.10575	0.02228	0.117123	0.01131	0.324038
-0.00478	0.91802	0.208586	5.48E-06	0.078706	0.08933	0.247953	5.67E-08	0.525993
0.025975	0.57554	0.090554	0.0505	0.074095	0.1098	0.076458	0.09889	0.190909
0.018997	0.6822	0.236334	2.38E-07	0.115799	0.01227	0.257394	1.67E-08	0.498413
0.057195	0.21732	0.073334	0.1135	0.086683	0.06124	0.044076	0.34191	0.096803
0.037017	0.42482	0.083282	0.07217	0.039908	0.38954	0.086659	0.06131	0.19101
-0.06606	0.15407	-0.01555	0.73745	-0.03048	0.51113	-0.00852	0.85437	0.051471
0.047833	0.30231	0.185102	5.72E-05	0.095513	0.03909	0.193605	2.53E-05	0.396955
0.098394	0.03352	0.172604	0.00018	0.131449	0.00444	0.154788	0.00079	0.281312
0.041847	0.3669	0.089752	0.05259	0.065429	0.15805	0.082593	0.07457	0.16107
-0.12104	0.00884	-0.05524	0.23343	-0.08165	0.07797	-0.01775	0.702	0.062903

0.102319	0.02704	0.157467	0.00064	0.126642	0.00614	0.157053	0.00066	0.284483
-0.09187	0.04723	0.040161	0.38654	-0.00916	0.84348	0.052302	0.25932	0.204257
0.032353	0.48551	0.153209	0.00089	0.098253	0.03378	0.144897	0.00169	0.292858
0.142391	0.00204	0.158212	0.0006	0.158453	0.00059	0.108139	0.01941	0.287178
0.142369	0.00204	0.150319	0.00112	0.121459	0.0086	0.146804	0.00147	0.273148
0.084354	0.06857	0.085801	0.06394	0.113516	0.01411	0.04895	0.29114	0.119017
0.063778	0.16883	0.144984	0.00168	0.104567	0.02383	0.12925	0.00515	0.288601
0.032451	0.48419	0.10867	0.01882	0.058369	0.20801	0.125303	0.0067	0.228803
-0.03488	0.4521	0.079671	0.08546	-0.00672	0.88485	0.128126	0.00556	0.268923
0.028036	0.5456	0.138262	0.00275	0.109548	0.01788	0.109423	0.01801	0.242535
0.068543	0.13914	0.12123	0.00873	0.104124	0.02443	0.093045	0.04446	0.264762
0.07357	0.11234	0.114068	0.01365	0.074469	0.10801	0.118896	0.01012	0.167932
0.076666	0.09797	0.165581	0.00033	0.094465	0.0413	0.186641	4.94E-05	0.313254
0.057541	0.21454	0.163543	0.00039	0.120135	0.00936	0.135043	0.00346	0.320801
0.037524	0.41851	0.135117	0.00344	0.092744	0.04516	0.1247	0.00697	0.283921
-0.04229	0.3619	0.073038	0.11497	0.022894	0.62167	0.07713	0.09595	0.195118
-0.04568	0.32464	0.028831	0.53426	-0.03395	0.46417	0.063142	0.17313	0.207852
0.138248	0.00275	0.186156	5.18E-05	0.144005	0.00181	0.157062	0.00066	0.287255
-0.06054	0.19154	0.035558	0.44332	0.001166	0.97994	0.028226	0.54289	0.136777
0.035491	0.44418	0.135321	0.00339	0.092978	0.04462	0.133605	0.00382	0.206299
0.022415	0.62898	0.106117	0.02182	0.042129	0.36367	0.118428	0.01042	0.272611
0.216012	2.46E-06	0.229855	5.13E-07	0.236597	2.31E-07	0.166982	0.00029	0.342036
0.037965	0.41305	0.154765	0.00079	0.119785	0.00957	0.130544	0.00472	0.214217
0.029106	0.53037	0.105665	0.02239	0.04637	0.31735	0.126837	0.00606	0.232449
0.019644	0.67199	-0.02519	0.58721	0.028123	0.54435	-0.0677	0.14411	0.007633
0.000726	0.98751	0.113875	0.01381	0.060862	0.1892	0.11697	0.01142	0.142001
-0.09313	0.04427	-0.04885	0.29209	-0.0464	0.31703	-0.05691	0.21964	-0.06827
-0.02763	0.55148	0.026815	0.56325	-0.00863	0.8525	0.038301	0.40893	0.051764
-0.05673	0.22112	0.010668	0.81815	-0.00668	0.88557	0.007653	0.86898	0.037085
-0.01745	0.70688	0.014975	0.74688	0.003152	0.94584	0.000296	0.99491	0.102967
-0.12691	0.00603	-0.07968	0.08544	-0.08055	0.08207	-0.06135	0.18566	-0.08849
-0.08951	0.05324	0.09444	0.04136	0.000384	0.99339	0.133371	0.00389	0.256231
-0.05037	0.27734	0.02438	0.59922	0.015716	0.73481	-0.00358	0.93849	0.03812
-0.05812	0.20993	0.079157	0.08751	0.002625	0.95489	0.105103	0.02312	0.184258
-0.03865	0.40464	0.031765	0.49348	0.017171	0.7113	0.005911	0.89863	0.049352
-0.08393	0.06998	0.018236	0.69428	-0.03032	0.51339	0.040148	0.38669	0.087422
-0.08064	0.08172	0.006751	0.88432	-0.04062	0.38116	0.020039	0.6658	-0.00974
-0.01017	0.82644	0.067449	0.14558	0.025733	0.57911	0.081208	0.07958	0.132154
-0.07049	0.12824	0.051937	0.26266	0.013108	0.77755	0.051844	0.26353	0.049245
-0.03435	0.45904	0.023666	0.60997	-0.03382	0.46596	0.048954	0.29111	0.111013
0.010298	0.82436	0.11052	0.01688	0.03209	0.48907	0.134204	0.00367	0.179484
-0.00828	0.85843	-0.00962	0.83582	-0.01682	0.71697	-0.00888	0.84816	0.010562
-0.05966	0.19811	0.009318	0.84083	0.009167	0.84339	-0.01133	0.80715	0.10534
0.00117	0.97987	0.104189	0.02435	0.040507	0.38246	0.104844	0.02346	0.221426
-0.01398	0.76318	-0.14613	0.00154	-0.0873	0.05941	-0.12599	0.00641	-0.28078

-0.03451	0.45694	-0.02959	0.52363	-0.03117	0.50168	-0.04376	0.34534	0.012233
0.003228	0.94454	0.044536	0.33689	0.008692	0.8514	0.054461	0.24015	0.142667
-0.03917	0.39836	0.083725	0.07066	0.01544	0.7393	0.101412	0.02843	0.224802
-0.1219	0.00836	-0.01553	0.73788	-0.09172	0.0476	0.047314	0.30759	0.038135
-0.12574	0.00651	-0.03857	0.40564	-0.07532	0.10404	-0.02262	0.62587	-0.01155
-0.09337	0.04373	-0.0088	0.84954	-0.03747	0.41922	-0.0039	0.93296	0.012428
0.024345	0.59974	0.141173	0.00223	0.092447	0.04585	0.134347	0.00363	0.202107
-0.03991	0.38949	0.057738	0.21298	0.00122	0.97903	0.070957	0.12572	0.158576
-0.09267	0.04534	-0.045	0.3319	-0.02677	0.56392	-0.06463	0.1632	-0.01715
-0.00769	0.86841	0.086639	0.06137	0.035682	0.44173	0.106577	0.02125	0.123121
-0.04908	0.28986	-0.01491	0.74787	-0.02411	0.60332	-0.00111	0.98084	-0.04813
-0.04651	0.31592	0.072618	0.11708	0.00235	0.9596	0.091581	0.04793	0.197832
-0.09691	0.0363	0.08013	0.08367	-0.01281	0.78242	0.12682	0.00606	0.172637
-0.00278	0.95226	0.09723	0.03568	0.023697	0.6095	0.102536	0.02671	0.164039
0.082758	0.07399	0.175786	0.00013	0.110337	0.01706	0.168949	0.00024	0.331719
-0.01612	0.7283	0.155909	0.00072	0.057873	0.21191	0.180483	8.78E-05	0.308979
0.021627	0.64109	0.075249	0.10436	0.030852	0.506	0.093379	0.0437	0.055247
-0.06569	0.1564	0.060118	0.19468	-0.03192	0.49144	0.114337	0.01342	0.173968
0.087121	0.05994	-0.08342	0.0717	-0.01134	0.80692	-0.10763	0.02	-0.1717
-0.05654	0.22262	0.040422	0.38346	0.027795	0.54906	0.017657	0.70352	0.122356
0.055537	0.23097	0.149494	0.00119	0.12336	0.00761	0.10195	0.02759	0.235929
0.03401	0.46343	0.156664	0.00068	0.082757	0.07399	0.177769	0.00011	0.186572
0.001541	0.9735	0.05784	0.21217	0.012368	0.7898	0.075392	0.1037	0.121737
-0.05217	0.26051	0.040236	0.38565	0.011563	0.8032	0.036981	0.42528	0.119172
-0.13731	0.00295	0.013562	0.77006	-0.06969	0.13265	0.065587	0.15705	0.124294
-0.08859	0.05573	0.0759	0.10138	-0.00952	0.83743	0.105709	0.02233	0.206926
-0.054	0.2442	0.06368	0.16949	0.023988	0.6051	0.058993	0.20318	0.099626
-0.04766	0.30406	0.091894	0.04717	0.017078	0.71279	0.115853	0.01223	0.181725
0.026278	0.57109	-0.14535	0.00164	-0.06239	0.17829	-0.16897	0.00024	-0.26249
-0.00975	0.83358	0.128377	0.00546	0.043756	0.34543	0.165308	0.00033	0.255153
-0.1122	0.01527	0.031707	0.49427	-0.03653	0.43091	0.055519	0.23111	0.091046
-0.03645	0.43201	0.11555	0.01246	0.016231	0.72646	0.157115	0.00066	0.181063
0.006313	0.89177	0.141402	0.00219	0.073243	0.11395	0.138282	0.00275	0.33743
-0.14	0.00243	0.033036	0.47635	-0.04586	0.32267	0.070739	0.12688	0.105599
-0.06161	0.18379	0.048505	0.29555	0.005396	0.90742	0.068337	0.14033	0.089824
-0.07363	0.11207	0.033118	0.47524	-0.0132	0.77598	0.050194	0.27904	0.078209
-0.01089	0.81445	0.079753	0.08514	0.039008	0.40033	0.079433	0.0864	0.182536
-0.10797	0.0196	0.021259	0.64678	-0.03317	0.47452	0.054923	0.23617	0.130059
-0.08301	0.07312	-0.02944	0.52561	-0.07061	0.12758	0.001089	0.98127	0.047076
-0.0624	0.17822	0.048829	0.29234	-0.01032	0.82402	0.074676	0.10703	0.036699
-0.03744	0.41954	0.148967	0.00124	0.036296	0.43391	0.188591	4.11E-05	0.262559
-0.08306	0.07294	-0.04315	0.35211	-0.06566	0.15658	-0.01202	0.79557	-0.08526
-0.0481	0.29965	0.03836	0.4082	-0.01053	0.82045	0.056478	0.22315	0.153979
-0.04527	0.32896	0.064476	0.16421	-0.00403	0.93074	0.093668	0.04305	0.14709
-0.02723	0.55726	0.127807	0.00568	0.021934	0.63637	0.174753	0.00015	0.272374

-0.0798	0.08497	0.001395	0.97602	-0.02856	0.53812	0.010326	0.82388	0.085472
-0.08076	0.08126	-0.00759	0.87006	-0.02077	0.65435	-0.01491	0.74788	-0.01877
0.028953	0.53254	0.086183	0.06276	0.051432	0.26734	0.083602	0.07108	0.128194
-0.01147	0.80478	0.08307	0.0729	0.029045	0.53124	0.082755	0.074	0.149469
-0.03387	0.46525	0.075295	0.10414	0.015279	0.74191	0.081846	0.07724	0.191988
-0.04355	0.3477	0.006978	0.88046	-0.00083	0.9857	0.002083	0.96419	0.193774
-0.13243	0.00415	-0.02623	0.57183	-0.07664	0.0981	-0.00019	0.99667	0.010255
-0.05465	0.23855	0.02894	0.53272	0.013667	0.76832	0.0122	0.79259	0.042698
-0.06029	0.19342	0.040686	0.38036	-0.041	0.37668	0.101513	0.02827	0.0158
0.019322	0.67706	-0.11815	0.01061	-0.06762	0.14455	-0.11362	0.01402	-0.21202
-0.0977	0.0348	-0.02934	0.5271	-0.07237	0.11832	-0.00481	0.91737	-0.02899
-0.11561	0.01241	-0.05844	0.20744	-0.04867	0.29388	-0.05697	0.21913	-0.02302
0.001379	0.97629	-0.12751	0.00579	-0.04796	0.30098	-0.15177	0.001	-0.25691
-0.0029	0.95015	0.054334	0.24124	0.037502	0.41878	0.048525	0.29536	0.087339
-0.0803	0.08302	0.11787	0.0108	-0.0018	0.96911	0.187309	4.64E-05	0.089266
-0.08214	0.07616	-0.07672	0.09774	-0.077	0.0965	-0.06502	0.16068	-0.0413
-0.00099	0.98293	0.103947	0.02468	0.031705	0.49431	0.116466	0.01178	0.176533
0.048126	0.29935	0.115024	0.01287	0.051901	0.263	0.11642	0.01181	0.200996
-0.05829	0.20862	0.112189	0.01528	-0.00497	0.91468	0.165531	0.00033	0.282435
-0.05293	0.25361	0.073989	0.1103	-0.00778	0.86678	0.112444	0.01505	0.137422
0.004646	0.92024	0.178454	0.00011	0.067641	0.14443	0.199364	1.42E-05	0.380279
-0.14444	0.00175	0.032182	0.48783	-0.04763	0.30436	0.073907	0.1107	0.126009
-0.0513	0.26858	0.068991	0.13657	-0.00569	0.90246	0.085339	0.06538	0.195393
-0.08118	0.07968	0.047199	0.30877	-0.0117	0.80094	0.054526	0.23958	0.148838
-0.07008	0.13047	-0.0224	0.62924	-0.05274	0.25537	-0.003	0.94844	0.037241
-0.03957	0.39358	0.040904	0.37781	0.005298	0.90908	0.051949	0.26256	0.083817
-0.07937	0.08667	0.014719	0.75107	-0.01565	0.73596	0.042888	0.35509	0.024248
-0.03593	0.43852	0.089424	0.05346	0.019869	0.66846	0.110312	0.01709	0.243822
-0.04331	0.35041	-0.00246	0.95767	-0.02175	0.63919	0.001641	0.97179	-0.0353
-0.07138	0.12346	0.055148	0.23426	0.039183	0.39822	0.041811	0.36731	0.115041
-0.04228	0.362	0.035857	0.4395	-0.00945	0.83857	0.051839	0.26357	0.123539
-0.02144	0.64391	0.015474	0.73874	-0.01253	0.78706	0.023721	0.60914	0.075213
-0.05068	0.2744	-0.00183	0.96861	-0.06829	0.14061	0.041622	0.36948	0.074827
-0.03477	0.45354	9.82E-06	0.99983	-0.05117	0.2698	0.051405	0.26759	-0.03047
0.006076	0.89581	0.132055	0.00426	0.062162	0.17991	0.142197	0.00207	0.299939
-0.09883	0.03273	-0.05222	0.26003	-0.03662	0.42987	-0.05047	0.27637	-0.0187
-0.07077	0.12669	0.024739	0.59385	-0.00533	0.9085	0.025201	0.58698	0.054231
0.064542	0.16378	0.053698	0.2468	0.055614	0.23032	0.045866	0.32264	0.140428
0.173904	0.00016	0.070603	0.12762	0.129106	0.0052	0.029644	0.5228	-0.00992
-0.02464	0.5953	0.023832	0.60745	-0.0057	0.90228	0.026895	0.56208	0.110774
0.030407	0.51215	-0.02861	0.53735	-0.03175	0.49365	-0.01026	0.82506	-0.00702
-0.08931	0.05377	-0.0346	0.45566	-0.0655	0.15763	-0.00236	0.95937	-0.01696
0.024634	0.59543	0.111808	0.01564	0.083416	0.07171	0.098908	0.0326	0.139042
-0.11312	0.01445	-0.05032	0.27779	-0.06957	0.1333	-0.03598	0.43789	-0.10279
-0.0615	0.1846	0.066377	0.1521	0.011229	0.80877	0.078678	0.08945	0.213883

0.165429	0.00033	-0.03261	0.48205	0.031794	0.49309	-0.06146	0.18492	-0.11486
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0.182617	7.21E-05	-0.01874	0.68623	0.069995	0.13094	-0.06461	0.16336	-0.08372
-0.09574	0.03863	0.001222	0.97899	-0.05597	0.22732	0.034967	0.45094	0.024503
-0.04337	0.34975	0.169551	0.00023	0.042492	0.35955	0.213257	3.32E-06	0.376739
-0.02728	0.55652	0.113396	0.01421	0.05333	0.25006	0.113255	0.01433	0.318384
-0.00756	0.87057	0.141859	0.00212	0.041918	0.36609	0.173572	0.00016	0.30015
-0.05959	0.19867	-0.08181	0.07738	-0.08702	0.06024	-0.0587	0.20541	-0.07651
-0.03911	0.39909	-0.1764	0.00013	-0.09624	0.03761	-0.17676	0.00012	-0.27975
-0.002	0.96561	0.126915	0.00603	0.038282	0.40917	0.146081	0.00155	0.287476
-0.08291	0.07345	0.064312	0.16528	-0.00329	0.94344	0.079847	0.08477	0.177055
-0.00897	0.84669	-0.00615	0.89447	-0.00353	0.93939	0.002918	0.94986	0.044926
-0.01842	0.69132	0.036381	0.43284	0.005957	0.89784	0.043924	0.34358	0.124796
0.003689	0.93663	0.048062	0.29999	0.00994	0.83036	0.060149	0.19445	0.134663
-0.08045	0.08243	0.093892	0.04255	-0.0148	0.74974	0.143675	0.00185	0.241924
0.016198	0.72699	0.075478	0.1033	0.031523	0.49678	0.074387	0.1084	0.105545
-0.00235	0.95961	0.150714	0.00109	0.07022	0.1297	0.16441	0.00036	0.263719
-0.11915	0.00996	-0.03629	0.43397	-0.06635	0.15227	-0.01393	0.76406	0.009353
0.011627	0.80212	0.110959	0.01645	0.036773	0.42788	0.128408	0.00545	0.23827
0.028886	0.53349	0.092906	0.04478	0.05262	0.25643	0.104064	0.02452	0.116814
-0.04512	0.33061	0.112569	0.01494	0.020724	0.65509	0.139199	0.00257	0.249514
-0.09616	0.03777	-0.03362	0.46854	-0.03311	0.47534	-0.03506	0.44969	-0.10623
-0.01443	0.75578	0.116855	0.0115	0.021705	0.63989	0.157189	0.00065	0.170898
-0.15955	0.00054	-0.1136	0.01404	-0.11312	0.01445	-0.0978	0.03461	-0.13466
0.016855	0.71639	0.114387	0.01338	0.050962	0.27174	0.120253	0.00929	0.261265
0.040467	0.38293	0.140259	0.00238	0.060479	0.19201	0.164064	0.00037	0.176172
-0.09344	0.04356	0.037987	0.41278	-0.03146	0.49765	0.077692	0.09355	0.083799
-0.01428	0.75824	0.044113	0.34151	0.009258	0.84184	0.041008	0.37659	0.124547
-0.07317	0.11429	0.027811	0.54884	-0.02664	0.56577	0.054362	0.241	0.065753
-0.07172	0.12171	0.089978	0.052	-0.01222	0.79218	0.134114	0.00369	0.215892
-0.05271	0.25561	-0.01142	0.80557	-0.02525	0.58631	-0.01516	0.7439	0.004719
0.029817	0.52038	0.09957	0.03145	0.033867	0.46531	0.102865	0.02622	0.17406
0.015752	0.73423	0.094977	0.04021	0.06219	0.17972	0.074249	0.10906	0.158662
0.018779	0.68565	0.086515	0.06175	0.047566	0.30501	0.085452	0.06503	0.082737
-0.12856	0.0054	0.020455	0.65928	-0.04474	0.33468	0.043558	0.34761	0.133484
-0.00202	0.96528	0.149266	0.00122	0.030457	0.51146	0.185481	5.52E-05	0.30081
-0.01444	0.75568	0.125124	0.00678	0.046357	0.31749	0.138546	0.0027	0.238225
-0.0493	0.28766	0.069791	0.13207	0.009015	0.84594	0.091643	0.04778	0.149074
-0.06105	0.18783	0.062158	0.17994	-0.00388	0.93339	0.076425	0.09903	0.151711
-0.00441	0.9243	0.051298	0.26859	0.004733	0.91874	0.063709	0.1693	0.106378
-0.11218	0.01529	0.006487	0.88881	-0.02642	0.56899	0.021123	0.6489	0.079271
-0.06011	0.19476	0.055554	0.23082	0.014094	0.7613	0.051064	0.27078	0.161973
-0.04022	0.38584	0.067407	0.14583	0.014049	0.76204	0.086427	0.06201	0.18079
-0.04877	0.29289	0.126676	0.00612	0.03845	0.40712	0.152178	0.00097	0.288207
-0.03661	0.42997	0.106693	0.02111	0.020427	0.65972	0.122057	0.00828	0.252718



-0.03394	0.4644	0.038751	0.40345	0.018886	0.68396	0.047354	0.30718	0.016455
-0.01139	0.8061	0.162106	0.00044	0.07542	0.10357	0.159611	0.00054	0.365761
-0.01373	0.76737	0.024753	0.59364	0.005433	0.90679	0.017016	0.71379	0.150259
-0.03576	0.44073	0.064079	0.16683	-0.00198	0.96598	0.097721	0.03476	0.089028
-0.08163	0.07803	0.069687	0.13265	-0.0061	0.89541	0.101587	0.02816	0.196784
-0.12114	0.00878	0.013724	0.76739	-0.04601	0.32109	0.046703	0.31389	0.043671
-0.07994	0.08442	0.008811	0.84938	-0.02876	0.53522	0.02634	0.57019	0.102434
-0.06424	0.16576	0.024394	0.59901	-0.01416	0.76028	0.055342	0.23261	0.042175
-0.02284	0.62248	-0.04682	0.31264	-0.04	0.38844	-0.05137	0.26792	-0.08009
0.031958	0.49085	0.143557	0.00187	0.09808	0.03409	0.116496	0.01176	0.308649
0.008065	0.86201	0.126424	0.00622	0.037943	0.41333	0.149717	0.00117	0.206266
0.106554	0.02128	-0.08098	0.08042	0.021131	0.64876	-0.11934	0.00984	-0.22058
-0.08387	0.07017	-0.10042	0.03003	-0.05691	0.21959	-0.10581	0.0222	-0.15069
-0.01799	0.69824	0.030096	0.51648	0.000103	0.99822	0.039378	0.39587	0.080738
-0.05764	0.21376	-0.01657	0.72093	-0.03587	0.43927	-0.01905	0.68133	-0.07836
-0.0726	0.11718	0.003579	0.93852	-0.05816	0.20966	0.038234	0.40975	0.0515
-0.05165	0.26532	0.111707	0.01573	0.024272	0.60084	0.137361	0.00293	0.221018
-0.00764	0.8692	0.102408	0.0269	0.028429	0.53999	0.12321	0.00768	0.190385
-0.00692	0.88146	0.115615	0.01241	0.045385	0.32775	0.133354	0.00389	0.241741
-0.01818	0.69512	0.106283	0.02161	0.048297	0.29764	0.110307	0.0171	0.189464
-0.10201	0.0275	0.066695	0.15014	-0.01231	0.7907	0.094706	0.04078	0.132656
0.004096	0.92965	0.133178	0.00394	0.046514	0.31585	0.154055	0.00084	0.240564
-0.03938	0.39579	0.016621	0.72017	0.00902	0.84585	0.013104	0.77762	0.131604
0.021713	0.63978	-0.17663	0.00012	-0.06737	0.14606	-0.21802	1.97E-06	-0.319
0.052524	0.2573	0.160951	0.00048	0.115001	0.01289	0.14362	0.00186	0.224122
-0.06396	0.16761	-0.02247	0.6281	-0.04297	0.35419	-0.01598	0.73052	-0.05001
-0.11807	0.01066	-0.04379	0.34502	-0.09192	0.04711	-0.0036	0.93811	-0.04624
-0.124	0.0073	-0.01759	0.7046	-0.05734	0.21613	0.006426	0.88985	0.066391
-0.01693	0.71525	0.164765	0.00035	0.058312	0.20846	0.187452	4.58E-05	0.331486
-0.11702	0.01138	-0.04064	0.38094	-0.07783	0.09297	-0.00709	0.8786	-0.08403
-0.06657	0.15089	0.048621	0.2944	-0.00614	0.89469	0.059235	0.20133	0.174355
-0.04323	0.35124	0.011167	0.80981	-0.01199	0.7961	0.022095	0.63389	0.128147
-0.02146	0.6437	0.015385	0.74019	-0.01839	0.69187	0.049492	0.28583	0.025553
-0.00652	0.88825	0.127475	0.0058	0.04597	0.32155	0.151393	0.00103	0.255751
-0.04709	0.30993	0.045517	0.32634	0.013637	0.76882	0.050245	0.27855	0.020333
-0.10799	0.01958	0.027283	0.55646	-0.05444	0.24028	0.065355	0.15852	0.172287
-0.09743	0.0353	0.088277	0.05661	-0.00266	0.95428	0.123095	0.00774	0.205585
-0.09053	0.05058	0.092132	0.0466	0.01194	0.79691	0.107414	0.02025	0.240289
-0.05702	0.21874	0.111434	0.01599	0.028403	0.54036	0.125033	0.00682	0.275361
0.047424	0.30647	-0.1092	0.01824	-0.05099	0.27148	-0.12783	0.00567	-0.17001
-0.03497	0.45095	0.12178	0.00843	0.042698	0.35723	0.132175	0.00422	0.270488
0.027208	0.55754	0.143854	0.00183	0.093156	0.04421	0.128743	0.00533	0.267443
-0.04006	0.3877	0.024977	0.5903	-0.01789	0.69973	0.040337	0.38446	0.108517
-0.0868	0.06089	0.074506	0.10783	-0.01923	0.6785	0.113966	0.01373	0.235571
0.163596	0.00039	0.00823	0.85921	0.079374	0.08664	-0.05017	0.27928	-0.10291

0.107364	0.02031	0.198277	1.59E-05	0.125889	0.00645	0.204457	8.44E-06	0.42791
0.061062	0.18775	0.053351	0.24987	0.101176	0.0288	0.012229	0.79211	0.016628
0.138807	0.00265	0.151162	0.00105	0.151903	0.00099	0.116013	0.01211	0.312672
0.068139	0.14149	0.164939	0.00034	0.101404	0.02844	0.155557	0.00074	0.413197
0.064528	0.16387	0.20653	6.80E-06	0.122793	0.00789	0.213783	3.14E-06	0.422528
0.100907	0.02923	0.165429	0.00033	0.137948	0.00281	0.139649	0.00249	0.278595
-0.00839	0.85643	0.11452	0.01327	0.034535	0.45655	0.145991	0.00156	0.356478
0.054214	0.24228	0.199488	1.40E-05	0.115932	0.01217	0.200684	1.24E-05	0.392176
0.016857	0.71636	0.056264	0.2249	0.062807	0.17543	0.031273	0.50021	0.110932
0.059634	0.19831	0.125378	0.00667	0.108834	0.01864	0.097003	0.03612	0.28161
0.119144	0.00997	0.092596	0.04551	0.078127	0.09172	0.085121	0.06608	0.243978
0.071948	0.1205	0.118276	0.01052	0.100387	0.03008	0.099999	0.03073	0.316238
0.28738	2.49E-10	0.258533	1.44E-08	0.2139	3.10E-06	0.228766	5.83E-07	0.477396
0.169917	0.00023	0.208436	5.57E-06	0.166101	0.00031	0.189061	3.93E-05	0.392444
0.114486	0.0133	0.170156	0.00022	0.127266	0.00589	0.166664	0.0003	0.323042
0.100331	0.03017	0.141425	0.00219	0.111116	0.01629	0.152557	0.00094	0.22815
-0.02708	0.55942	0.115876	0.01222	0.059093	0.20242	0.11948	0.00976	0.289162
0.101073	0.02897	0.155895	0.00072	0.136628	0.00309	0.12541	0.00666	0.41005
0.126598	0.00615	0.245654	7.57E-08	0.148082	0.00133	0.255578	2.12E-08	0.529696
0.155231	0.00076	0.259079	1.34E-08	0.22255	1.19E-06	0.211479	4.02E-06	0.439128
0.193845	2.47E-05	0.234759	2.87E-07	0.207607	6.07E-06	0.193408	2.57E-05	0.47807
0.243104	1.04E-07	0.320861	1.21E-12	0.276965	1.14E-09	0.268976	3.50E-09	0.510917
0.224334	9.71E-07	0.182483	7.30E-05	0.168778	0.00025	0.138966	0.00262	0.36097
0.128693	0.00535	0.246791	6.56E-08	0.187843	4.41E-05	0.214668	2.85E-06	0.47888
0.066428	0.15178	0.164644	0.00035	0.099808	0.03105	0.16295	0.00041	0.443217
0.230419	4.80E-07	0.239615	1.60E-07	0.223006	1.13E-06	0.188893	3.99E-05	0.369096
0.021174	0.6481	0.140135	0.0024	0.075372	0.10379	0.163109	0.0004	0.272278
0.104827	0.02348	0.193204	2.63E-05	0.143555	0.00187	0.182032	7.61E-05	0.350779
0.18933	3.83E-05	0.332153	1.72E-13	0.241856	1.21E-07	0.311119	6.12E-12	0.578249
0.090016	0.0519	0.247593	5.93E-08	0.13753	0.0029	0.263643	7.26E-09	0.516497
0.10914	0.01831	0.18127	8.17E-05	0.116378	0.01184	0.186828	4.86E-05	0.337751
0.121999	0.00831	0.120141	0.00936	0.097746	0.03471	0.110897	0.01651	0.287338
0.110107	0.0173	0.070594	0.12767	0.099698	0.03123	0.022512	0.6275	0.16575
0.074515	0.10779	0.25849	1.45E-08	0.166478	0.0003	0.25804	1.54E-08	0.440847
0.117835	0.01082	0.270541	2.82E-09	0.168842	0.00025	0.278524	9.10E-10	0.49731
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0.130494	0.00473	0.236653	2.29E-07	0.186004	5.25E-05	0.204037	8.82E-06	0.520514
0.155657	0.00074	0.215343	2.65E-06	0.144287	0.00177	0.218121	1.95E-06	0.392275
0.233528	3.33E-07	0.273387	1.89E-09	0.219019	1.77E-06	0.246398	6.90E-08	0.436532
0.05067	0.2745	0.127198	0.00591	0.082663	0.07432	0.135584	0.00333	0.275578
0.062391	0.17831	0.15888	0.00057	0.122254	0.00817	0.131075	0.00455	0.223952
-0.01176	0.79999	0.005986	0.89735	0.016982	0.71435	-0.00296	0.9491	0.037823
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0.051808	0.26385	0.056189	0.22553	0.055778	0.22895	0.039881	0.38986	0.048933
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0.001037	0.98216	0.008366	0.85691	0.009116	0.84423	0.01051	0.8208	0.003086
0.002048	0.96479	0.019806	0.66945	-0.00471	0.91916	0.029776	0.52095	0.052595
0.183405	6.70E-05	0.188181	4.27E-05	0.187512	4.55E-05	0.141356	0.0022	0.092502
-0.04706	0.31023	-0.05177	0.26419	-0.01662	0.72024	-0.0714	0.12338	-0.05838
0.028333	0.54136	0.015307	0.74146	0.049568	0.28509	-0.0204	0.66019	-0.03342
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0.043683	0.34623	0.065584	0.15706	0.067516	0.14518	0.046512	0.31587	0.033383
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0.038128	0.41105	0.021541	0.64242	0.044009	0.34264	3.07E-05	0.99947	-0.01066
0.026787	0.56365	0.071972	0.12038	0.023549	0.61172	0.099943	0.03082	0.0942
0.014907	0.74798	0.013192	0.77616	0.03844	0.40723	-0.01253	0.78718	0.009847
0.004504	0.92267	0.006268	0.89255	8.19E-05	0.99859	0.012389	0.78945	-0.02494
0.158877	0.00057	0.071422	0.12325	0.066131	0.15363	0.068895	0.13712	0.056764
0.062701	0.17616	0.026061	0.57427	0.041105	0.37547	0.015618	0.7364	-0.00164
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0.036499	0.43134	0.026438	0.56875	0.034101	0.46224	0.013005	0.77925	0.019087
0.050354	0.27751	0.13601	0.00323	0.111989	0.01547	0.114163	0.01357	0.124718
0.262986	7.94E-09	0.214216	2.99E-06	0.257599	1.63E-08	0.109428	0.018	0.132597
0.082906	0.07347	0.052415	0.25829	0.106487	0.02136	-0.01626	0.72599	-0.03719
0.071453	0.12309	0.011952	0.79672	0.055602	0.23042	-0.03566	0.44198	-0.074
0.026025	0.5748	-0.0028	0.95189	0.030983	0.50418	-0.0264	0.56926	-0.07299
0.051546	0.26628	0.028677	0.53645	0.060208	0.19401	-0.00838	0.8567	-0.05712
0.091082	0.04917	0.02264	0.62554	0.065227	0.15934	-0.01734	0.70853	-0.03725
0.057485	0.21499	0.005961	0.89778	0.019444	0.67514	0.005603	0.90387	-0.03392
0.276349	1.24E-09	0.114692	0.01314	0.190385	3.46E-05	0.015895	0.7319	0.028108
0.028418	0.54015	0.036162	0.43561	0.079374	0.08664	-0.01906	0.68114	-0.08817
0.005547	0.90483	0.001119	0.98077	0.028038	0.54557	-0.02501	0.58985	-0.02938
0.094706	0.04078	0.150135	0.00114	0.12633	0.00626	0.118576	0.01033	0.146195
0.048919	0.29145	0.044434	0.338	0.084237	0.06895	-0.00763	0.86946	-0.00921
0.018444	0.69097	0.015289	0.74176	0.041647	0.3692	-0.01289	0.78117	-0.0147
0.008349	0.85719	0.032229	0.48719	0.01232	0.7906	0.019248	0.67824	0.190292
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-0.01856	0.68912	-0.02306	0.61917	0.005097	0.91253	-0.04624	0.31874	-0.05625
-0.01854	0.6895	-0.01786	0.70023	0.005752	0.90134	-0.01168	0.80118	-0.03863
0.035128	0.44886	0.007537	0.87096	0.047401	0.3067	-0.03045	0.5115	-0.05223
0.083054	0.07296	0.070508	0.12814	0.095569	0.03897	0.024092	0.60354	0.016917
-0.09236	0.04606	-0.07142	0.12327	-0.05916	0.20191	-0.05918	0.20175	-0.02429
-0.02483	0.59249	0.007508	0.87145	-0.00253	0.9566	0.013977	0.76322	0.095809
-0.01776	0.70185	-0.00599	0.89722	0.023669	0.60992	-0.04231	0.36157	-0.05622

-0.04698	0.31102	-0.01309	0.77785	-0.01875	0.68608	-0.00435	0.92527	0.061119
-0.03596	0.43822	0.017377	0.708	0.007023	0.87969	0.02607	0.57414	0.020539
0.001422	0.97555	0.030905	0.50526	0.020346	0.66098	0.039209	0.39791	0.012029
-0.03309	0.47566	-0.02884	0.53411	-0.02428	0.60067	-0.01907	0.681	-0.05548
-0.02105	0.65001	0.004971	0.91467	-0.00263	0.9548	0.019593	0.6728	-0.02546
0.153923	0.00085	0.052401	0.25842	0.090228	0.05134	0.01263	0.78546	-0.02809
-0.05003	0.28062	-0.05843	0.20757	-0.05077	0.27351	-0.04393	0.34349	-0.03256
0.05235	0.25888	-0.0072	0.87675	0.015284	0.74183	-0.02862	0.53726	-0.0466
0.006846	0.8827	0.033107	0.4754	0.07255	0.11742	-0.02528	0.58583	-0.03389
0.113031	0.01453	0.026332	0.5703	0.067282	0.14658	-0.02053	0.65816	-0.03585
0.004693	0.91944	0.003256	0.94405	0.019617	0.67242	-0.00893	0.84736	-0.03184
0.029452	0.5255	0.004188	0.92808	0.039563	0.39366	-0.02715	0.55835	-0.04373
-0.00773	0.86764	0.024918	0.59118	0.052584	0.25675	-0.00698	0.88047	-0.04334
0.083504	0.07141	0.023213	0.61682	0.034222	0.46064	0.01734	0.70859	0.025774
0.070709	0.12705	0.040037	0.38801	0.051322	0.26837	0.014169	0.76007	-0.01478
0.023622	0.61062	-0.05718	0.21743	-0.02735	0.55551	-0.06641	0.15188	-0.10697
0.028299	0.54184	0.04351	0.34815	0.060185	0.19418	0.01507	0.74533	0.003543
0.060228	0.19386	0.040121	0.38702	0.066903	0.14887	0.00753	0.87107	-0.00034
0.008697	0.85131	0.036366	0.43302	0.016979	0.71439	0.060819	0.18952	0.027773
0.041403	0.37202	0.053429	0.24918	0.04826	0.29801	0.056728	0.2211	0.041522
-0.01096	0.81324	-0.00428	0.92643	-0.00136	0.97661	-0.00083	0.98579	0.023582
0.060654	0.19073	0.12755	0.00578	0.110657	0.01675	0.088844	0.05504	0.170686
0.071168	0.12459	0.165722	0.00032	0.114802	0.01305	0.161761	0.00045	0.241098
0.114753	0.01309	0.083018	0.07308	0.080996	0.08038	0.063738	0.1691	0.050913
-0.03371	0.46742	-0.0256	0.58102	-0.0052	0.9108	-0.03528	0.44694	-0.01748
-0.03527	0.44697	-0.0368	0.42756	-0.00713	0.87784	-0.06446	0.16432	-0.04931
0.108032	0.01953	0.121851	0.00839	0.131862	0.00431	0.063232	0.17252	0.154724
0.006937	0.88115	0.046701	0.3139	0.045146	0.3303	0.042857	0.35544	0.053679
0.102376	0.02695	0.110719	0.01668	0.117366	0.01114	0.081844	0.07725	0.070319
0.042525	0.35918	0.152669	0.00093	0.060824	0.18948	0.200671	1.25E-05	0.173222
0.012949	0.78018	0.018479	0.69041	0.016644	0.71979	0.000321	0.99448	0.118749
0.037604	0.41752	0.043898	0.34387	0.060214	0.19397	0.020952	0.65155	0.087939
-0.00331	0.94313	-0.00423	0.92739	-0.00332	0.94302	-0.01601	0.73004	0.037288
-0.01709	0.71268	0.008583	0.85324	-0.00823	0.85923	0.007536	0.87098	0.031995
0.070629	0.12748	0.087868	0.05777	0.09669	0.03673	0.061994	0.18109	0.103796
0.019129	0.68012	0.069877	0.13159	0.042054	0.36454	0.0653	0.15887	0.160659
-0.04852	0.29545	-0.01145	0.80507	-0.02925	0.52838	-0.00718	0.87696	0.033026
0.028308	0.54172	0.016131	0.72808	0.041137	0.37509	-0.01747	0.70646	-0.00879
0.10988	0.01753	0.160849	0.00048	0.152852	0.00092	0.113761	0.0139	0.215242
0.058103	0.21009	0.105443	0.02267	0.127777	0.00569	0.033322	0.47254	0.114858
0.112179	0.01529	0.12643	0.00622	0.108661	0.01883	0.106292	0.0216	0.169134
0.03182	0.49273	0.038179	0.41042	0.042014	0.36499	0.023708	0.60932	0.094082
-0.02929	0.5278	-0.00965	0.83523	0.020879	0.65268	-0.04566	0.32486	-0.0116
0.038154	0.41073	0.005063	0.91311	0.048209	0.29852	-0.03103	0.50356	-0.02734
-0.02882	0.53447	-0.02521	0.5869	-0.02043	0.65975	-0.0248	0.59298	-0.03853

0.122347	0.00813	0.055637	0.23012	0.055379	0.23229	0.056012	0.22699	0.030797
0.013825	0.76573	-0.00813	0.86084	0.033955	0.46416	-0.04913	0.28933	-0.06617
-0.01236	0.78987	0.00603	0.8966	0.026558	0.56699	-0.02875	0.53545	-0.01141
-0.01808	0.6967	-0.02588	0.57689	-0.01308	0.77793	-0.03681	0.42738	0.010203
0.046873	0.31213	0.080794	0.08113	0.074547	0.10764	0.070389	0.12878	0.038403
0.032163	0.48808	-0.01567	0.73561	-0.00153	0.97362	-0.0215	0.64298	-0.03237
0.043008	0.35375	0.049209	0.28859	0.08035	0.08283	0.001068	0.98164	-0.01065
-0.10792	0.01966	-0.07795	0.09245	-0.05502	0.23533	-0.08428	0.06881	-0.07109
-0.02003	0.66591	-0.01059	0.81952	0.012056	0.79498	-0.03314	0.47491	-0.04224
0.090094	0.05169	0.04867	0.29392	0.09811	0.03404	-0.00707	0.87881	0.028727
0.196746	1.85E-05	0.208935	5.28E-06	0.253678	2.72E-08	0.099131	0.03221	0.098923
-0.01233	0.79039	0.012798	0.78267	0.039346	0.39625	-0.02052	0.6582	0.037368
0.05599	0.22718	0.004983	0.91447	0.053016	0.25287	-0.01775	0.70206	-0.02669
0.073326	0.11354	0.107232	0.02046	0.112902	0.01464	0.071296	0.12391	0.144897
-0.03099	0.50412	-0.02905	0.53113	0.003509	0.93972	-0.06276	0.17574	-0.07318
0.06737	0.14605	0.115611	0.01242	0.052029	0.26182	0.158594	0.00058	0.087989
0.075883	0.10146	0.10519	0.023	0.103694	0.02503	0.073455	0.11291	0.230856
0.071821	0.12116	0.061516	0.18449	0.095235	0.03967	0.01003	0.82884	0.009479
0.05513	0.23441	0.096702	0.0367	0.102297	0.02707	0.056214	0.22532	0.074513
-0.03043	0.51186	0.027159	0.55824	0.013476	0.77147	0.018529	0.68962	0.044945
0.00155	0.97336	0.00068	0.98831	0.013259	0.77505	-0.0018	0.96902	-0.01619
-0.03882	0.40255	-0.02668	0.56519	-0.02822	0.543	-0.01259	0.78615	-0.03081
0.011555	0.80333	0.035892	0.43905	0.038362	0.40819	0.023482	0.61275	0.071475
-0.05511	0.2346	-0.04364	0.34672	-0.04074	0.3797	-0.03064	0.50886	-0.03093
-0.00619	0.89391	0.06928	0.13493	0.022767	0.62361	0.076024	0.10083	0.216527
0.00878	0.84991	0.00901	0.84603	0.046297	0.31811	-0.03944	0.39511	-0.02087
-0.04141	0.37196	-0.02585	0.57742	-0.01321	0.77586	-0.03182	0.49268	-0.01137
-0.03618	0.43536	-0.01132	0.80723	-0.01914	0.67988	-0.00778	0.86685	0.009092
0.027764	0.54951	0.010633	0.81873	0.008961	0.84686	0.023997	0.60497	-0.00812
0.038458	0.40701	0.105999	0.02196	0.096199	0.0377	0.078362	0.09074	0.196035
0.072811	0.11611	0.134808	0.00351	0.127107	0.00595	0.08145	0.07869	0.2158
-0.0061	0.89546	0.002762	0.95253	0.009692	0.83454	-0.00577	0.90099	-0.01365
0.030952	0.50462	0.022445	0.62852	0.048031	0.30031	-0.00944	0.83876	0.052634
0.098158	0.03395	0.134751	0.00353	0.128439	0.00544	0.114346	0.01342	0.066648
-0.00467	0.91976	0.011134	0.81035	0.006548	0.88777	0.015932	0.7313	-0.01387
-0.02495	0.59073	-0.03959	0.39339	-0.02642	0.56908	-0.0304	0.51222	-0.04141
0.096803	0.03651	0.101665	0.02803	0.10675	0.02104	0.076306	0.09956	0.069218
-0.00794	0.8642	-0.03571	0.44141	-0.00073	0.98752	-0.05881	0.20462	-0.02845
0.02408	0.60373	0.079503	0.08613	0.074986	0.10557	0.044219	0.34034	0.05824
0.02168	0.64028	0.078147	0.09164	0.015276	0.74197	0.124664	0.00699	0.082493
-0.00517	0.91125	-0.00611	0.89524	0.004214	0.92764	-0.0167	0.71895	-0.02951
-0.0139	0.76445	-0.03652	0.43106	-0.01891	0.68359	-0.03401	0.46345	-0.08436
-0.0015	0.97428	0.006448	0.88947	0.020294	0.66181	0.001415	0.97567	-0.02121
0.01184	0.79857	0.008153	0.86051	0.029739	0.52146	-0.0104	0.82262	-0.00603
0.064263	0.16561	0.077729	0.09339	0.08143	0.07876	0.046721	0.3137	0.064851

0.040737	0.37976	0.080304	0.083	0.065155	0.1598	0.060716	0.19027	0.125327
0.042328	0.36142	0.087708	0.05823	0.070684	0.12718	0.083548	0.07126	0.040283
-0.0106	0.8193	0.002619	0.95499	0.008804	0.84951	-0.0154	0.73994	-0.04918
0.109381	0.01805	0.130809	0.00463	0.111912	0.01554	0.11374	0.01392	0.121084
0.218133	1.95E-06	0.161761	0.00045	0.212804	3.49E-06	0.064387	0.1648	0.093004
-0.01153	0.80371	0.012082	0.79456	0.008391	0.85649	-0.00964	0.83534	0.083743
0.024254	0.60111	0.036552	0.43067	0.053242	0.25084	0.008964	0.84681	0.033765
-0.04443	0.33808	-0.07248	0.11777	-0.04355	0.34773	-0.08382	0.07034	-0.0945
-0.0862	0.0627	-0.08206	0.07647	-0.05431	0.24146	-0.09582	0.03846	-0.06431
0.015458	0.73901	0.009025	0.84577	0.022649	0.62541	-0.00491	0.91566	0.001772
-0.10283	0.02627	-0.10133	0.02856	-0.08612	0.06295	-0.09879	0.03281	-0.11135
-0.00226	0.96123	0.016687	0.7191	0.026122	0.57338	0.000796	0.98632	-0.02042
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-0.0183	0.69322	-0.0162	0.727	0.006088	0.8956	-0.03089	0.50552	-0.0664
0.056425	0.22358	0.101272	0.02865	0.082797	0.07385	0.106953	0.02079	0.110837
0.08576	0.06406	0.006553	0.88768	0.042963	0.35425	-0.02178	0.63877	-0.01051
-0.011	0.81258	-0.02399	0.60505	-0.02086	0.65301	-0.01598	0.73056	-0.041
0.186645	4.94E-05	0.358221	1.38E-15	0.285651	3.22E-10	0.300534	3.33E-11	0.545216
0.014162	0.76018	0.054703	0.23806	0.062134	0.18011	0.038441	0.40721	0.07584
0.184598	5.99E-05	0.386124	4.72E-18	0.276777	1.17E-09	0.351972	4.58E-15	0.627602
0.173499	0.00016	0.307891	1.03E-11	0.253191	2.90E-08	0.255671	2.10E-08	0.530056
0.162457	0.00042	0.237607	2.04E-07	0.121154	0.00877	0.276077	1.29E-09	0.3787
0.163466	0.00039	0.31512	3.17E-12	0.197924	1.64E-05	0.327152	4.13E-13	0.595679
-0.0502	0.27895	0.0405	0.38254	-0.00986	0.83166	0.074924	0.10586	0.082725
0.075279	0.10422	0.195047	2.19E-05	0.134904	0.00349	0.178983	0.0001	0.368427
0.093338	0.04379	0.097774	0.03466	0.098648	0.03307	0.07211	0.11967	0.155667
0.056998	0.21891	0.20395	8.90E-06	0.090938	0.04953	0.235057	2.77E-07	0.370484
0.235808	2.54E-07	0.365715	3.17E-16	0.28528	3.40E-10	0.311405	5.84E-12	0.535171
0.069423	0.13412	0.243739	9.62E-08	0.136021	0.00323	0.255571	2.13E-08	0.492669
0.071593	0.12235	0.200368	1.28E-05	0.122975	0.0078	0.193736	2.49E-05	0.396252
0.150048	0.00114	0.22843	6.06E-07	0.17974	9.40E-05	0.18368	6.53E-05	0.338618
0.09427	0.04172	0.232513	3.76E-07	0.151107	0.00105	0.23283	3.62E-07	0.430576
0.054999	0.23552	0.148408	0.0013	0.086542	0.06167	0.147363	0.00141	0.263466
0.039732	0.39163	0.058634	0.20595	0.042747	0.35668	0.059806	0.19702	0.122064
0.177476	0.00012	0.226664	7.43E-07	0.209442	5.00E-06	0.16504	0.00034	0.286121
0.163806	0.00038	0.254691	2.38E-08	0.185333	5.59E-05	0.240365	1.46E-07	0.484756
0.093266	0.04396	0.160215	0.00051	0.098453	0.03342	0.161503	0.00046	0.288624
0.113899	0.01379	0.120915	0.00891	0.08576	0.06407	0.10755	0.02009	0.163908
0.260639	1.09E-08	0.406557	5.15E-20	0.304827	1.69E-11	0.360824	8.32E-16	0.623407
0.021507	0.64295	0.126012	0.0064	0.049066	0.29	0.142545	0.00202	0.206454
-0.06155	0.18425	-0.03832	0.40868	-0.06074	0.19007	-0.00817	0.86029	-0.02786
0.136751	0.00306	0.236037	2.47E-07	0.150975	0.00107	0.229783	5.18E-07	0.502955
0.206419	6.88E-06	0.243404	1.00E-07	0.237573	2.05E-07	0.164879	0.00035	0.487079
0.088761	0.05527	0.257532	1.64E-08	0.135354	0.00338	0.279806	7.57E-10	0.446821
0.148378	0.0013	0.247188	6.24E-08	0.186474	5.02E-05	0.222023	1.26E-06	0.430822

0.121049	0.00883	0.283083	4.70E-10	0.186939	4.81E-05	0.274891	1.53E-09	0.479027
0.167389	0.00028	0.335767	9.05E-14	0.25796	1.55E-08	0.292175	1.21E-10	0.546864
0.220863	1.44E-06	0.362468	6.03E-16	0.279912	7.45E-10	0.314662	3.42E-12	0.356173
0.10548	0.02263	0.133717	0.00379	0.115122	0.01279	0.11384	0.01384	0.238323
0.203615	9.21E-06	0.318375	1.84E-12	0.249526	4.64E-08	0.274615	1.59E-09	0.448027
0.100254	0.0303	0.239425	1.64E-07	0.136562	0.00311	0.254017	2.60E-08	0.304224
0.03158	0.496	0.072945	0.11543	0.047324	0.30749	0.07477	0.10659	0.138653
0.168162	0.00026	0.307501	1.10E-11	0.1873	4.64E-05	0.330403	2.34E-13	0.413248
0.249534	4.64E-08	0.385768	5.09E-18	0.259509	1.26E-08	0.392236	1.26E-18	0.416952
0.203892	8.95E-06	0.325047	5.93E-13	0.2576	1.63E-08	0.272283	2.21E-09	0.544043
0.215288	2.66E-06	0.350416	6.14E-15	0.267016	4.59E-09	0.314826	3.33E-12	0.604412
0.201087	1.19E-05	0.359839	1.01E-15	0.245624	7.60E-08	0.346342	1.32E-14	0.666535
0.18101	8.36E-05	0.327707	3.75E-13	0.238714	1.78E-07	0.294728	8.20E-11	0.583501
0.179358	9.73E-05	0.279065	8.42E-10	0.213083	3.39E-06	0.248649	5.19E-08	0.497877
0.383071	9.02E-18	0.353392	3.50E-15	0.214965	2.76E-06	0.416611	4.95E-21	0.575137
0.052409	0.25834	0.161287	0.00047	0.088948	0.05475	0.160391	0.0005	0.278422
-0.0295	0.5248	0.011378	0.80628	-0.02709	0.55922	0.052849	0.25436	-0.01721
0.012727	0.78384	0.135804	0.00328	0.071342	0.12367	0.147582	0.00138	0.303332
0.285797	3.15E-10	0.467271	1.05E-26	0.326573	4.56E-13	0.456675	1.94E-25	0.557187
0.164241	0.00037	0.344871	1.73E-14	0.213941	3.09E-06	0.359449	1.09E-15	0.63574
0.132517	0.00412	0.201507	1.14E-05	0.153436	0.00088	0.184411	6.10E-05	0.304699
0.040286	0.38506	0.083744	0.0706	0.047727	0.30338	0.104021	0.02458	0.124138
0.125337	0.00669	0.271294	2.54E-09	0.162971	0.00041	0.292171	1.21E-10	0.502896
0.076614	0.0982	0.217867	2.01E-06	0.08699	0.06033	0.262434	8.55E-09	0.537822
0.147793	0.00136	0.188124	4.29E-05	0.146781	0.00147	0.167842	0.00027	0.228821
0.055199	0.23382	0.118493	0.01038	0.069693	0.13261	0.14565	0.0016	0.129257
-0.06513	0.15998	0.010997	0.81265	-0.04066	0.38063	0.037426	0.41972	0.067922
-0.00759	0.87004	-0.07271	0.11659	-0.03197	0.49067	-0.08883	0.05509	-0.03097
-0.04166	0.36908	0.082898	0.0735	0.01294	0.78032	0.101234	0.02871	0.152238
0.041898	0.36632	-0.08023	0.08328	-0.00999	0.82956	-0.11473	0.01311	-0.14438
0.049478	0.28596	0.055549	0.23087	0.054725	0.23787	0.038329	0.40859	0.046034
-0.01983	0.66907	-0.08627	0.06248	-0.0712	0.1244	-0.08305	0.07297	-0.12424
-0.16206	0.00044	-0.1	0.03072	-0.14197	0.0021	-0.04061	0.38123	-0.13515
0.104413	0.02404	0.197918	1.65E-05	0.137264	0.00295	0.191621	3.07E-05	0.250956
-0.11298	0.01458	-0.01509	0.745	-0.07611	0.10043	0.027492	0.55343	0.070454
-0.07613	0.10036	-0.00886	0.84854	-0.03232	0.48602	-0.00552	0.90525	0.015319
0.005228	0.91029	0.007118	0.87807	-0.00094	0.98376	0.013359	0.7734	-0.04484
0.061833	0.18223	0.05659	0.22223	0.044477	0.33753	0.054871	0.23662	0.105583
0.005613	0.90372	-0.02117	0.64811	-0.01783	0.7008	-0.023	0.62011	-0.06461
-0.02714	0.55859	0.031518	0.49685	-0.03334	0.47234	0.073616	0.11212	0.032298
0.029587	0.5236	0.068356	0.14023	0.053953	0.24456	0.058043	0.21057	0.066039
-0.17194	0.00019	-0.20501	7.97E-06	-0.19028	3.49E-05	-0.15724	0.00065	-0.269
0.013143	0.77697	0.035695	0.44156	0.018142	0.69578	0.034609	0.45559	0.079203
0.10817	0.01938	0.061452	0.18495	0.073158	0.11437	0.035687	0.44166	0.104507
0.208045	5.80E-06	0.106246	0.02166	0.190282	3.49E-05	0.020125	0.66444	-0.00174

0.074768	0.1066	-0.03086	0.50589	-0.01421	0.75943	-0.01748	0.70634	-0.11648
-0.03346	0.47074	0.100685	0.02959	0.008196	0.85978	0.150349	0.00112	0.180529
-0.05786	0.21203	-0.0426	0.35836	-0.08417	0.06917	-0.00309	0.94697	-0.02294
-0.0942	0.04188	-0.1451	0.00167	-0.1387	0.00267	-0.10659	0.02123	-0.21614
0.133725	0.00379	0.057641	0.21375	0.067527	0.14511	0.056779	0.22069	0.020063
-0.05333	0.2501	-0.05542	0.23192	-0.05101	0.27128	-0.04753	0.30539	-0.1129
-0.03764	0.41708	0.10439	0.02407	0.024409	0.59878	0.129643	0.00502	0.181202
0.087401	0.05912	0.16518	0.00034	0.097135	0.03587	0.169437	0.00023	0.315986
0.184474	6.06E-05	0.039534	0.394	0.10781	0.01979	-0.00538	0.90764	0.02275
0.047552	0.30516	0.081072	0.08009	0.048611	0.2945	0.065663	0.15656	0.052535
0.045089	0.33092	-0.0382	0.41018	-0.0027	0.95368	-0.04685	0.31231	-0.06875
0.101609	0.02812	0.044804	0.33399	0.056827	0.2203	0.028478	0.53929	0.120766
-0.00442	0.92403	0.0066	0.88689	-0.01613	0.72815	0.010693	0.81774	0.065238
0.017135	0.71189	0.087157	0.05983	0.023453	0.61319	0.114281	0.01347	0.130977
-0.01456	0.75367	0.11089	0.01651	0.02478	0.59324	0.118704	0.01025	0.268071
0.032582	0.48243	-0.00998	0.82961	-0.00694	0.88118	-0.00147	0.9747	-0.0811
-0.09786	0.03451	-0.26424	6.70E-09	-0.18752	4.55E-05	-0.24228	1.15E-07	-0.44973
-0.03457	0.45611	-0.0199	0.66793	-0.00263	0.95485	-0.0249	0.5915	-0.02739
0.004373	0.92491	0.149266	0.00122	0.050498	0.27614	0.186748	4.89E-05	0.326466
0.008114	0.86118	0.101428	0.0284	0.037998	0.41264	0.121707	0.00847	0.209786
0.067138	0.14745	0.268845	3.56E-09	0.140384	0.00236	0.286023	3.05E-10	0.520474
0.098209	0.03386	0.023218	0.61675	0.059426	0.19988	-0.01907	0.68108	0.073494
0.016151	0.72776	-0.05282	0.25465	-0.0152	0.74323	-0.06993	0.13129	-0.22328
0.101856	0.02774	-0.08342	0.0717	-0.03687	0.42662	-0.06808	0.14183	-0.21978
-0.09294	0.04471	-0.05072	0.27402	-0.06223	0.17946	-0.04875	0.29311	-0.01433
-0.1759	0.00013	-0.13615	0.0032	-0.12456	0.00704	-0.10779	0.01982	-0.23601
0.087088	0.06004	0.058503	0.20697	0.040585	0.38154	0.063064	0.17366	0.005703
-0.01604	0.72948	0.023579	0.61128	-0.00561	0.90375	0.036715	0.42862	0.045505
-0.0067	0.88512	0.037364	0.4205	0.005445	0.90659	0.055204	0.23378	0.046367
0.01831	0.69309	-0.0663	0.15259	-0.03054	0.51029	-0.07429	0.10888	-0.15211
-0.08984	0.05236	-0.10267	0.02651	-0.09913	0.03222	-0.08103	0.08024	-0.14267
0.006229	0.8932	0.131712	0.00436	0.039809	0.39072	0.161684	0.00045	0.336218
-0.11443	0.01334	-0.19228	2.87E-05	-0.10807	0.01949	-0.20543	7.63E-06	-0.32715
0.088582	0.05576	0.083739	0.07062	0.076889	0.097	0.051768	0.26422	0.142788
0.065698	0.15635	0.069668	0.13275	0.044836	0.33365	0.062925	0.17462	0.166121
-0.03819	0.41023	-0.02751	0.55323	-0.03481	0.45293	-0.00931	0.84091	-0.06542
0.009991	0.8295	0.090761	0.04998	0.052079	0.26136	0.086489	0.06183	0.18527
-0.07514	0.10488	0.013989	0.76302	-0.03332	0.47253	0.05051	0.27602	0.028752
-0.0502	0.27895	-0.0105	0.82101	0.002714	0.95336	-0.01059	0.81951	-0.12064
-0.02963	0.52304	0.104184	0.02435	-0.00282	0.9515	0.162958	0.00041	0.243009
-0.00502	0.91385	0.105341	0.02281	0.045377	0.32783	0.112671	0.01485	0.221451
0.069752	0.13229	0.285081	3.50E-10	0.12654	0.00618	0.331494	1.93E-13	0.528026
-0.02666	0.56546	0.020214	0.66305	-0.02354	0.61194	0.054473	0.24004	0.025695
0.011673	0.80135	0.153101	0.0009	0.079464	0.08628	0.16494	0.00034	0.252461
-0.03167	0.49471	0.087934	0.05758	0.00622	0.89336	0.123519	0.00753	0.160442



-0.04473	0.33477	0.035346	0.44605	-0.01584	0.73282	0.062407	0.1782	0.12366
-0.06196	0.18134	0.011219	0.80894	-0.03668	0.42905	0.047608	0.30459	0.059654
-0.11922	0.00992	-0.21406	3.05E-06	-0.14688	0.00146	-0.21127	4.11E-06	-0.26944
-0.1145	0.01329	-0.00273	0.95312	-0.06887	0.13729	0.050093	0.28001	0.048119
-0.08038	0.0827	-0.09973	0.03118	-0.07067	0.12728	-0.09638	0.03733	-0.23217
0.002578	0.9557	-0.12714	0.00594	-0.07054	0.12798	-0.12927	0.00515	-0.24432
0.07952	0.08606	0.077889	0.09272	0.085044	0.06633	0.054505	0.23976	0.0696
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0.049184	0.28884	0.03185	0.49233	0.040657	0.3807	0.02347	0.61292	-0.02982
-0.02969	0.52219	-0.04074	0.37967	-0.0032	0.94497	-0.06683	0.14934	-0.10009
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0.034924	0.4515	-0.00159	0.97265	0.004201	0.92787	0.006647	0.88608	-0.03388
0.098135	0.03399	-0.01623	0.72644	0.019632	0.67219	-0.01988	0.66827	-0.14571
0.084004	0.06973	0.028648	0.53687	0.044963	0.33227	0.018718	0.68662	0.028659
-0.01695	0.71491	0.125353	0.00668	0.009274	0.84157	0.17913	9.93E-05	0.325764
-0.02041	0.65998	-0.05813	0.20991	-0.02101	0.65069	-0.04993	0.2816	-0.05725
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0.116714	0.0116	0.072802	0.11615	0.081765	0.07753	0.043416	0.3492	0.052007
-0.05023	0.27872	0.089289	0.05383	0.002251	0.96131	0.126147	0.00634	0.206668
0.07392	0.11064	0.247791	5.79E-08	0.114694	0.01313	0.295288	7.52E-11	0.32799
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0.083623	0.07101	0.022532	0.62719	0.023176	0.61738	0.015662	0.73569	0.029192
-0.06054	0.19156	-0.10533	0.02282	-0.05118	0.26967	-0.13335	0.00389	-0.17781
0.007372	0.87376	0.031407	0.49837	0.029713	0.52183	0.030751	0.50739	0.060969
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0.01424	0.75891	0.171685	0.00019	0.069735	0.13238	0.199166	1.45E-05	0.302775
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0.008225	0.85929	-0.01657	0.72103	-0.00455	0.92189	-0.02074	0.65483	-0.0511
0.047069	0.3101	0.151968	0.00099	0.059444	0.19974	0.180889	8.46E-05	0.331254
0.136262	0.00317	0.130512	0.00473	0.09216	0.04654	0.150155	0.00114	0.104256
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0.130404	0.00476	0.26928	3.36E-09	0.183716	6.51E-05	0.260665	1.08E-08	0.405446
0.047122	0.30956	0.221238	1.38E-06	0.115494	0.01251	0.228925	5.72E-07	0.464363
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-0.05013	0.27966	0.028694	0.53622	-0.03674	0.42826	0.078621	0.08968	0.058288
-0.07429	0.10887	-0.05812	0.20996	-0.06662	0.15063	-0.04044	0.38325	-0.08856
-0.03547	0.44441	-0.01629	0.72549	-0.04663	0.31462	0.011119	0.8106	-0.02629
0.048865	0.29198	0.045854	0.32277	0.031617	0.49549	0.048921	0.29143	-0.00199
0.005008	0.91405	0.133864	0.00375	0.060324	0.19315	0.144289	0.00177	0.266393
0.007171	0.87717	-0.02221	0.63215	-0.02444	0.59832	-0.0097	0.83435	-0.0263
-0.15155	0.00102	-0.18357	6.60E-05	-0.13835	0.00273	-0.15989	0.00052	-0.2219
-0.13306	0.00397	-0.00949	0.83785	-0.07934	0.08676	0.050277	0.27824	0.051422
0.003654	0.93723	-0.05121	0.26944	0.005624	0.90353	-0.07965	0.08555	-0.1134

-0.05314	0.25175	-0.03475	0.45369	-0.05634	0.22426	-0.04581	0.32324	-0.04299
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0.004491	0.92289	-0.05057	0.27541	-0.02391	0.60622	-0.05285	0.25433	-0.13454
0.040156	0.3866	0.100069	0.03061	0.048033	0.30028	0.111274	0.01614	0.085842
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-0.04481	0.33392	0.057003	0.21887	0.013609	0.76928	0.062001	0.18104	0.124199
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0.068559	0.13905	-0.00607	0.89589	0.00416	0.92857	-0.00692	0.88139	-0.08376
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-0.05321	0.25115	-0.01933	0.677	-0.02281	0.623	-0.01449	0.75486	0.039066
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-0.00884	0.84892	-0.07307	0.11483	-0.00748	0.872	-0.09831	0.03367	-0.09204
-0.05856	0.20654	0.052493	0.25759	0.011507	0.80413	0.066319	0.15246	0.068103
0.041378	0.3723	0.02348	0.61277	-0.0055	0.90561	0.063364	0.17162	-0.06335
-0.04534	0.32822	0.00825	0.85887	-0.01604	0.72961	0.022481	0.62798	0.072173
0.035717	0.44128	-0.006	0.89717	-0.00112	0.98076	0.003123	0.94634	-0.00154
0.029419	0.52596	-0.0077	0.86823	-0.00341	0.94149	0.000709	0.98781	-0.00693
-0.05818	0.20949	-0.00819	0.85995	-0.03041	0.51206	0.011908	0.79745	-0.02586
-0.03243	0.48449	-0.08066	0.08166	-0.0586	0.20619	-0.07451	0.10781	-0.09793
-0.00621	0.89358	-0.10181	0.02782	-0.04699	0.31092	-0.11137	0.01605	-0.23586
0.048477	0.29583	0.049363	0.28709	0.046734	0.31357	0.039718	0.3918	0.118697
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-0.01604	0.72959	0.151651	0.00101	0.048522	0.29539	0.192312	2.87E-05	0.302153
0.00682	0.88314	0.095147	0.03985	0.028318	0.54158	0.121999	0.00831	0.199482
0.015172	0.74365	-0.00752	0.87127	0.000985	0.98306	-0.01315	0.77679	-0.05433
0.097883	0.03446	0.254026	2.60E-08	0.139254	0.00256	0.265469	5.67E-09	0.327529
-0.00664	0.88623	0.088809	0.05513	0.036108	0.4363	0.0901	0.05168	0.223395
0.071093	0.12499	0.177981	0.00011	0.114623	0.01319	0.174353	0.00015	0.22249
-0.07319	0.1142	0.032896	0.47822	-0.04538	0.3278	0.092421	0.04592	0.058679
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0.06412	0.16655	0.215991	2.47E-06	0.133749	0.00378	0.199152	1.45E-05	0.389979
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-0.01669	0.71898	0.049481	0.28594	0.006971	0.88058	0.067366	0.14608	0.06008
3.01E-05	0.99948	0.113889	0.01379	0.002295	0.96056	0.170375	0.00022	0.214624
0.002338	0.95981	0.068525	0.13925	0.018806	0.68522	0.079297	0.08695	0.131926
0.06674	0.14987	-0.01793	0.69916	0.019263	0.67799	-0.04284	0.35558	0.043578
0.000526	0.99095	-0.04237	0.36095	-0.01419	0.7598	-0.04524	0.32934	-0.08507
0.041897	0.36633	0.037987	0.41279	0.029339	0.52709	0.029576	0.52375	0.006312
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-0.02816	0.54382	-0.06241	0.17817	-0.05968	0.19795	-0.04632	0.3179	-0.11212

0.014899	0.74811	-0.0138	0.76606	0.017682	0.70312	-0.04472	0.33491	-0.12093
-0.07403	0.1101	0.047827	0.30237	-0.01762	0.70407	0.081391	0.07891	0.138237
-0.02339	0.61415	0.02564	0.58047	0.016462	0.72273	0.009541	0.83707	0.046323
-0.00069	0.9881	-0.07275	0.11642	-0.02149	0.64317	-0.09307	0.0444	-0.05184
-0.05392	0.24482	-0.015	0.74647	-0.03003	0.5174	0.016188	0.72715	0.032602
-0.06986	0.13166	0.004721	0.91896	-0.07588	0.10147	0.069653	0.13284	0.083783
-0.0134	0.7728	-0.02589	0.57683	-0.02387	0.60694	-0.0207	0.65553	-0.04898
-0.00905	0.84541	-0.09692	0.03627	-0.00474	0.91862	-0.15074	0.00109	-0.16472
0.120065	0.0094	0.092376	0.04602	0.074398	0.10835	0.080436	0.08249	0.105054
-0.03249	0.48369	0.076585	0.09833	0.018125	0.69604	0.096766	0.03658	0.164839
-0.0149	0.74802	0.105686	0.02236	0.019685	0.67135	0.142213	0.00207	0.159923
-0.02504	0.58937	0.009182	0.84313	-0.03566	0.44196	0.031945	0.49103	0.106956
-0.10576	0.02227	-0.06929	0.13486	-0.10027	0.03026	-0.02467	0.59487	-0.08821
-0.0732	0.11419	-0.0387	0.40408	-0.05466	0.23843	-0.01375	0.76698	-0.09807
0.068205	0.14111	-0.02845	0.53975	0.015375	0.74035	-0.04898	0.29084	-0.02632
-0.21314	3.37E-06	-0.22744	6.80E-07	-0.17307	0.00017	-0.21058	4.43E-06	-0.30595
0.066036	0.15422	0.006082	0.89572	-0.01146	0.80494	0.00814	0.86073	-0.02614
-0.01629	0.72543	-0.04441	0.33821	-0.06125	0.1864	-0.01041	0.8225	-0.11967
0.00174	0.97009	0.090384	0.05094	0.024373	0.59932	0.101026	0.02904	0.167437
0.04664	0.31454	-0.03325	0.47349	0.002338	0.95981	-0.06729	0.14653	-0.10752
-0.00632	0.8916	0.124693	0.00698	0.045635	0.32509	0.153449	0.00088	0.163329
-0.01792	0.69935	0.088682	0.05548	0.061008	0.18814	0.056881	0.21986	0.166305
-0.02654	0.56732	-0.09623	0.03764	-0.07752	0.09427	-0.08254	0.07475	-0.126
-0.20915	5.16E-06	-0.11848	0.01039	-0.14529	0.00164	-0.07895	0.08835	-0.11172
0.02835	0.54111	-0.11149	0.01593	-0.04846	0.29596	-0.123	0.00779	-0.12123
-0.1225	0.00805	0.019669	0.67159	-0.03536	0.44582	0.044408	0.33829	0.043793
-0.04777	0.30294	0.001024	0.9824	0.0094	0.83945	-0.01329	0.77456	-0.09568
-0.09565	0.03881	-0.04161	0.36958	-0.05867	0.2057	-0.01658	0.72076	-0.05075
-0.0667	0.1501	-0.11265	0.01487	-0.07765	0.09373	-0.12389	0.00735	-0.17414
0.014684	0.75164	-0.04112	0.37532	-0.03745	0.41938	-0.04092	0.37757	0.021513
-0.06289	0.17483	0.043953	0.34326	-0.02887	0.53373	0.081591	0.07817	0.125414
0.003089	0.94693	-0.00625	0.89283	0.011981	0.79623	-0.02268	0.62501	-0.0206
0.015382	0.74023	0.03755	0.41819	0.007541	0.87089	0.039415	0.39543	-0.02693
-0.15129	0.00104	-0.09559	0.03893	-0.12473	0.00696	-0.05107	0.27071	-0.08962
-0.06538	0.15838	0.022739	0.62403	-0.0378	0.41513	0.059296	0.20086	0.100506
-0.08299	0.07319	-0.02237	0.62969	-0.07542	0.10356	0.012209	0.79244	0.02485
0.016347	0.72458	0.025638	0.5805	0.013943	0.76379	0.040466	0.38295	0.099051
0.009275	0.84156	0.053399	0.24944	0.005098	0.9125	0.068449	0.13968	0.059382
-0.02925	0.52835	-0.1221	0.00826	-0.06597	0.15461	-0.13307	0.00397	-0.18761
0.025504	0.58249	-0.01164	0.80187	0.011627	0.80212	-0.04037	0.38409	-0.11385
-0.05186	0.26336	0.012522	0.78724	-0.0366	0.43003	0.044467	0.33764	0.109041
-0.18285	7.06E-05	-0.29759	5.28E-11	-0.18752	4.55E-05	-0.30444	1.80E-11	-0.42925
-0.03337	0.47187	-0.05576	0.22908	-0.00647	0.88904	-0.0735	0.11266	-0.10171
-0.07138	0.12345	0.077929	0.09255	0.018101	0.69643	0.079507	0.08611	0.158736
0.213726	3.16E-06	0.082134	0.0762	0.123763	0.00741	0.039218	0.3978	0.053264

-0.06972	0.13244	-0.19041	3.45E-05	-0.08878	0.05522	-0.22921	5.53E-07	-0.29441
0.091945	0.04705	-0.11573	0.01232	-0.03192	0.49144	-0.13463	0.00356	-0.23431
-0.0398	0.39077	-0.01462	0.75275	-0.0512	0.26954	0.001406	0.97582	0.009734
-0.16669	0.0003	-0.02286	0.62214	-0.05723	0.21702	-0.01817	0.69526	0.024064
-0.01807	0.69685	0.131574	0.0044	0.039021	0.40018	0.162639	0.00042	0.220178
0.028853	0.53395	-0.02409	0.60358	0.010746	0.81684	-0.04182	0.36721	-0.03645
-0.0759	0.10138	-0.10042	0.03002	-0.07606	0.10066	-0.10305	0.02595	-0.09545
-0.0255	0.58247	0.142071	0.00209	0.030188	0.51519	0.190319	3.48E-05	0.248233
-0.04209	0.36417	0.040637	0.38093	-0.00476	0.91821	0.064161	0.16629	0.152311
-0.06969	0.13261	-0.02991	0.51909	-0.04665	0.31444	-0.02451	0.59724	-0.01377
0.039644	0.39269	0.025645	0.58039	0.017094	0.71255	0.030273	0.51401	0.066099
0.007904	0.86474	-0.01101	0.81241	-0.04091	0.37776	0.026142	0.57308	-0.08159
-0.00118	0.97971	-0.11516	0.01277	-0.07291	0.11561	-0.11162	0.01581	-0.25291
-0.07648	0.09881	-0.01597	0.73076	-0.04447	0.33764	-0.0009	0.98457	0.043508
0.024948	0.59074	-0.0133	0.77445	0.052953	0.25343	-0.05409	0.24332	-0.0494
-0.01711	0.71229	-0.15512	0.00077	-0.08047	0.08237	-0.18264	7.20E-05	-0.2588
-0.01858	0.68875	0.116912	0.01146	0.030061	0.51697	0.145387	0.00163	0.26428
-0.07704	0.09633	0.010391	0.82279	-0.03418	0.46121	0.033077	0.4758	0.073181
0.02528	0.5858	0.184769	5.90E-05	0.094525	0.04117	0.194091	2.41E-05	0.333134
-0.06646	0.15158	-0.00198	0.96603	0.005321	0.90869	-0.01768	0.70312	-0.02875
0.004963	0.91481	0.075608	0.10271	0.032047	0.48965	0.088259	0.05666	0.091433
-0.13531	0.00339	-0.05892	0.20372	-0.12122	0.00873	-0.00364	0.93747	0.024354
-0.10114	0.02886	-0.14223	0.00206	-0.09709	0.03595	-0.14505	0.00167	-0.34874
-0.00092	0.9841	-0.01687	0.71621	-0.04834	0.2972	0.012349	0.79012	-0.02186
0.050448	0.27661	0.070547	0.12792	0.065074	0.16033	0.045134	0.33043	0.199434
0.031479	0.49738	0.062004	0.18102	0.035867	0.43937	0.068612	0.13874	0.119569
0.021501	0.64304	0.075499	0.10321	0.057258	0.21681	0.064852	0.16176	0.135474
0.16506	0.00034	0.145601	0.00161	0.18432	6.15E-05	0.063836	0.16845	0.083655
-0.04166	0.36905	-0.05947	0.19953	-0.08702	0.06023	-0.0164	0.72372	-0.10354
-0.11319	0.01439	-0.1338	0.00377	-0.07207	0.11989	-0.14484	0.0017	-0.2552
0.017061	0.71307	0.13784	0.00284	0.060015	0.19545	0.160731	0.00049	0.22192
-0.03674	0.4283	0.057979	0.21107	0.013325	0.77396	0.070121	0.13025	0.103673
-0.01098	0.81285	0.053628	0.24742	0.02687	0.56245	0.062843	0.17518	0.068078
-0.11228	0.0152	-0.12464	0.007	-0.12053	0.00913	-0.08159	0.07819	-0.16488
-0.04376	0.34535	0.060393	0.19264	-0.00318	0.9454	0.100295	0.03023	0.096282
-0.07927	0.08706	-0.10248	0.0268	-0.06234	0.17866	-0.10272	0.02644	-0.19161
0.060932	0.1887	0.060853	0.18927	0.061513	0.18451	0.058669	0.20568	0.072073
0.03666	0.42931	-0.01973	0.67068	-0.02574	0.57902	0.001476	0.97462	-0.09016
0.051071	0.27072	0.039259	0.39731	0.022574	0.62656	0.043742	0.34558	0.023822
0.040148	0.3867	0.121614	0.00852	0.059021	0.20297	0.123802	0.00739	0.23664
0.018258	0.69393	0.078313	0.09095	0.044406	0.3383	0.062361	0.17852	0.138615
-0.05675	0.22091	0.02101	0.65064	-0.04424	0.34011	0.046721	0.31369	0.102004
0.029133	0.52999	-0.03658	0.43034	0.00278	0.95223	-0.04784	0.30221	-0.19037
-0.03744	0.41949	0.099009	0.03243	0.00933	0.84064	0.135141	0.00343	0.210085
0.082236	0.07583	-0.02842	0.54012	0.017105	0.71236	-0.0415	0.37093	-0.12093

-0.0355	0.44412	-0.02822	0.54301	-0.01746	0.70668	-0.01449	0.75473	-0.12686
-0.13542	0.00337	-0.07315	0.1144	-0.10945	0.01798	-0.0312	0.50123	-0.02846
-0.07739	0.09484	-0.04189	0.36638	-0.07724	0.09547	-0.00298	0.94881	-0.06765
0.039381	0.39583	0.090337	0.05106	0.042444	0.3601	0.115383	0.01259	0.142859
-0.12086	0.00894	0.000487	0.99162	-0.06769	0.14415	0.035836	0.43976	0.054306
-0.0217	0.64	-0.01707	0.7129	-0.02497	0.59039	0.008716	0.85099	-0.0099
0.100873	0.02929	-0.04328	0.35075	0.018825	0.68493	-0.06984	0.13181	-0.14894
-0.01392	0.76422	-0.05586	0.22827	-0.03865	0.40473	-0.06471	0.16271	-0.00394
-0.03498	0.45079	0.116578	0.0117	0.003293	0.94343	0.172634	0.00018	0.326988
-0.10958	0.01784	-0.24926	4.80E-08	-0.17087	0.00021	-0.23316	3.48E-07	-0.40447
-7.29E-05	0.99875	0.114729	0.01311	0.044132	0.3413	0.120765	0.00899	0.204762
-0.08949	0.05328	-0.09396	0.04241	-0.06924	0.13516	-0.0886	0.0557	-0.16907
-0.04075	0.37966	0.095641	0.03883	0.014783	0.75002	0.114805	0.01305	0.218417
-0.01523	0.74274	0.061163	0.18702	0.01476	0.75039	0.089082	0.05439	0.070668
0.046626	0.31468	0.020049	0.66564	0.007218	0.87638	0.031312	0.49967	0.040269
0.061098	0.18749	0.014615	0.75276	0.036444	0.43204	-0.0084	0.85638	0.015695
-0.11199	0.01547	-0.03708	0.42409	-0.06133	0.18584	-0.03343	0.47112	0.088859
-0.02608	0.57399	0.04001	0.38832	-0.00197	0.96621	0.059204	0.20157	0.091248
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0.007435	0.87269	-0.06076	0.18995	-0.03266	0.48132	-0.06723	0.14688	-0.02527
-0.05296	0.25336	0.043285	0.35065	-0.01953	0.67381	0.063843	0.1684	0.11478
-0.00762	0.86949	0.042666	0.35759	0.016685	0.71914	0.040253	0.38545	0.093526
-0.07832	0.09093	-0.05377	0.24613	-0.03736	0.42061	-0.05657	0.2224	-0.07031
-0.02226	0.63143	0.048749	0.29313	0.000524	0.99099	0.074913	0.10592	0.071264
-0.05747	0.21509	-0.0736	0.11219	-0.05709	0.21816	-0.07352	0.11257	-0.13108
-0.07723	0.09552	0.023266	0.61601	-0.02968	0.52229	0.069654	0.13283	0.059745
0.000154	0.99736	0.053582	0.24782	0.023791	0.60808	0.05408	0.24345	0.089103
0.040591	0.38147	0.025665	0.58011	0.011766	0.79981	0.023772	0.60836	0.022848
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-0.0944	0.04144	-0.10717	0.02054	-0.07978	0.08505	-0.09476	0.04066	-0.16957
-0.05037	0.27739	-0.07635	0.09936	-0.05798	0.21105	-0.06887	0.13725	-0.03377
-0.06257	0.17703	-0.0706	0.12762	-0.06078	0.18977	-0.05872	0.20526	-0.09894
-0.00681	0.88323	0.128195	0.00553	0.011701	0.80089	0.200889	1.22E-05	0.202971
-0.02022	0.66304	0.136888	0.00303	0.008798	0.8496	0.204599	8.32E-06	0.189007
0.084904	0.06678	0.2316	4.18E-07	0.094873	0.04043	0.311276	5.97E-12	0.188239
0.041917	0.3661	0.189864	3.63E-05	0.084257	0.06889	0.242603	1.11E-07	0.261313
-0.02	0.66643	0.015774	0.73386	-0.04055	0.38193	0.058594	0.20626	0.032959
0.081613	0.07809	0.050617	0.27501	0.038568	0.40568	0.039052	0.3998	0.096025
0.066805	0.14947	0.269593	3.21E-09	0.136477	0.00312	0.285301	3.39E-10	0.482158
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0.04174	0.36813	0.126214	0.00631	0.063251	0.17239	0.13509	0.00345	0.192758
0.002664	0.95421	-0.04233	0.3614	-0.01731	0.70908	-0.05503	0.2353	-0.07841
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-0.03713	0.42344	0.052273	0.25958	0.008064	0.86201	0.058575	0.20641	0.139343
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-0.11988	0.00951	-0.13718	0.00297	-0.08869	0.05546	-0.13726	0.00296	-0.14575
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-0.00486	0.9166	0.136881	0.00304	0.092481	0.04578	0.125916	0.00644	0.259225
-0.02431	0.60034	0.030535	0.51038	-0.00672	0.8849	0.035184	0.44814	0.049456
0.030846	0.50608	-0.08872	0.05537	-0.03755	0.41823	-0.10184	0.02776	-0.04664
-0.01903	0.68161	-0.11386	0.01382	-0.05844	0.20742	-0.12954	0.00505	-0.11857
0.070384	0.12881	0.036598	0.43009	0.018884	0.68399	0.040675	0.38048	0.129823
0.049343	0.28728	0.138413	0.00272	0.053143	0.25172	0.186099	5.20E-05	0.107244
-0.02628	0.57104	0.096274	0.03755	0.026522	0.56752	0.113339	0.01426	0.169602
-0.10239	0.02693	0.052451	0.25796	-0.03559	0.44297	0.087343	0.05929	0.186238
-0.10488	0.02341	-0.11861	0.01031	-0.10862	0.01887	-0.0959	0.0383	-0.19528
-0.05646	0.22333	0.156484	0.00069	0.032262	0.48675	0.207357	6.24E-06	0.324032
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0.036842	0.42702	-0.02413	0.60292	-0.01044	0.8219	-0.02045	0.65935	-0.00748
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0.006874	0.88222	-0.03398	0.46379	-0.04411	0.34155	-0.00515	0.91157	-0.0885
-0.0366	0.43004	0.068271	0.14072	-0.02856	0.53808	0.142334	0.00205	-0.01575
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-0.00569	0.90246	-0.08302	0.07307	0.003381	0.94191	-0.1311	0.00454	-0.22156
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0.018997	0.68219	0.182408	7.35E-05	0.087361	0.05924	0.203121	9.69E-06	0.312076
-0.01597	0.73071	-0.06299	0.17417	-0.05196	0.26242	-0.06148	0.18473	-0.03586
-0.00786	0.86549	-0.03339	0.47164	-0.03975	0.39142	-0.00621	0.89358	-0.03948
-0.01043	0.82205	0.066245	0.15292	0.039967	0.38884	0.065292	0.15893	0.120179
-0.00357	0.93868	-0.07777	0.0932	-0.04004	0.38796	-0.07225	0.11895	-0.20561
-0.05077	0.27358	0.017762	0.70184	-0.01216	0.79332	0.018733	0.68637	0.058478
0.075388	0.10372	0.250609	4.04E-08	0.147158	0.00143	0.259719	1.23E-08	0.433099
-0.07571	0.10223	0.005104	0.91241	-0.03913	0.39884	0.036963	0.42551	0.025181
0.0032	0.94502	-0.02412	0.6031	-0.06269	0.17621	0.013397	0.77277	-0.00684
0.031475	0.49743	0.072235	0.11903	0.022422	0.62887	0.094009	0.04229	0.114927
-0.08622	0.06263	-0.08241	0.07523	-0.07214	0.1195	-0.05715	0.21766	-0.15282
-0.03382	0.46588	0.017456	0.70673	0.00154	0.97352	0.028947	0.53263	0.03489
0.002875	0.9506	0.023914	0.60622	-0.00578	0.90094	0.030416	0.51202	0.129513
-0.10193	0.02762	-0.04385	0.34442	-0.03342	0.47126	-0.04838	0.29685	-0.15387
0.046823	0.31265	0.035206	0.44785	0.015714	0.73484	0.042429	0.36027	0.06529
0.081609	0.0781	-0.06077	0.18985	-0.01677	0.71771	-0.07488	0.10608	-0.11584
-0.1179	0.01077	-0.03595	0.43827	-0.07275	0.11639	-0.00708	0.87875	-0.01096
-0.04102	0.3764	0.098077	0.0341	-0.00236	0.95937	0.143755	0.00184	0.21627
-0.08127	0.07935	-0.08646	0.06192	-0.08767	0.05835	-0.05677	0.22078	-0.14651
0.097578	0.03503	0.044795	0.33409	0.093024	0.04451	-0.01122	0.80886	0.062184
0.028367	0.54087	-0.00482	0.91733	0.014591	0.75316	-0.00736	0.87403	0.003539
0.273585	1.84E-09	0.161269	0.00047	0.139833	0.00246	0.15496	0.00078	0.15074
-0.03967	0.39237	-0.05066	0.27457	-0.03185	0.49229	-0.04599	0.32133	-0.0257
-0.03423	0.46055	0.113319	0.01428	0.01914	0.67993	0.155009	0.00078	0.248385

-0.058	0.21093	-0.22728	6.92E-07	-0.12695	0.00601	-0.22868	5.89E-07	-0.33526
-0.05401	0.24408	-0.0136	0.76947	-0.07632	0.09952	0.032593	0.48228	0.044632
-0.02488	0.59173	-0.11524	0.0127	-0.07732	0.09512	-0.11483	0.01303	-0.10975
-0.00365	0.93735	-0.04175	0.36807	-0.04274	0.35671	-0.03217	0.48798	-0.01084
-0.00845	0.85544	-0.07911	0.08771	-0.06482	0.16196	-0.07875	0.08917	-0.05689
0.079175	0.08743	-0.05457	0.2392	0.011565	0.80316	-0.07831	0.09097	-0.10811
-0.1165	0.01176	-0.03946	0.39491	-0.08153	0.0784	-0.01023	0.82558	0.030554
-0.03541	0.44528	-0.04433	0.33909	-0.03772	0.4161	-0.04364	0.34672	-0.04403
-0.09183	0.04732	0.01834	0.69262	-0.07171	0.12173	0.093005	0.04455	0.053105
-0.03128	0.5001	-0.09405	0.04221	-0.02754	0.55279	-0.10923	0.01821	-0.23937
-0.051	0.2714	-0.01327	0.7749	-0.06825	0.14084	0.029552	0.52409	0.008542
-0.14124	0.00222	-0.07587	0.10152	-0.13024	0.00482	-0.00759	0.87014	-0.13613
-0.00249	0.95714	0.091658	0.04775	0.055796	0.2288	0.087425	0.05905	0.086262
0.044228	0.34025	-0.05133	0.26832	0.008837	0.84895	-0.06446	0.16429	-0.06197
-0.01599	0.73038	-0.04464	0.3358	-0.00619	0.89383	-0.06642	0.15185	-0.09117
-0.12987	0.00494	-0.13953	0.00251	-0.11225	0.01523	-0.13395	0.00373	-0.16758
0.056902	0.21969	0.154509	0.00081	0.093955	0.04242	0.164196	0.00037	0.206668
-0.03823	0.40984	-0.06388	0.16817	-0.05241	0.25836	-0.05485	0.23677	-0.07686
0.090526	0.05058	0.18869	4.07E-05	0.122453	0.00807	0.185857	5.32E-05	0.378517
0.041239	0.37391	0.039845	0.39029	0.020428	0.65971	0.03224	0.48703	0.066982
0.042579	0.35857	0.002388	0.95896	0.020929	0.6519	-0.02046	0.65921	0.064597
0.016093	0.72869	-0.00481	0.91745	0.004876	0.9163	-0.0074	0.87324	0.003989
-0.1083	0.01923	-0.16095	0.00048	-0.12044	0.00918	-0.14543	0.00163	-0.29004
-0.05536	0.23243	-0.08061	0.08184	-0.07673	0.0977	-0.06059	0.19118	-0.13556
-0.0802	0.0834	-0.09322	0.04405	-0.08606	0.06313	-0.07195	0.1205	-0.11115
-0.04545	0.32701	-0.01978	0.66981	-0.02105	0.64998	-0.02	0.66639	-0.07955
-0.06974	0.13234	0.018035	0.69748	-0.03595	0.43826	0.067557	0.14493	0.065682
-0.04263	0.35803	-0.06817	0.14131	-0.02069	0.65555	-0.08558	0.06463	-0.16592
-0.11023	0.01717	-0.13788	0.00283	-0.11014	0.01727	-0.11927	0.00989	-0.21055
0.079635	0.08561	-0.00292	0.94974	0.011995	0.796	-0.00407	0.93014	-0.02334
0.008378	0.85671	0.081146	0.07981	0.040659	0.38068	0.080486	0.0823	0.102338
0.057351	0.21607	0.095684	0.03874	0.04695	0.31133	0.112652	0.01486	0.142426
-0.08497	0.06656	0.056424	0.22359	-0.027	0.56054	0.09045	0.05077	0.17994
-0.13845	0.00271	-0.07993	0.08443	-0.10523	0.02295	-0.03249	0.48369	-0.07921
-0.14652	0.0015	-0.07542	0.10355	-0.0955	0.03913	-0.04112	0.37524	-0.0254
0.042142	0.36353	0.0841	0.06941	0.012198	0.79262	0.111011	0.0164	0.215157
-0.06096	0.18849	-0.14556	0.00161	-0.13164	0.00438	-0.10856	0.01894	-0.2525
-0.03125	0.50053	-0.08525	0.06567	-0.0148	0.7497	-0.11738	0.01113	-0.12834
-0.12206	0.00828	-0.10309	0.0259	-0.11563	0.0124	-0.05921	0.20155	-0.11836
0.073741	0.11151	0.002955	0.94922	0.031737	0.49387	-0.01868	0.6872	0.078332
0.009572	0.83656	0.006902	0.88174	0.000114	0.99804	0.013106	0.77758	0.053346
-0.05936	0.20038	-0.00174	0.97012	-0.03965	0.39259	0.028454	0.53963	-0.07154
0.028124	0.54434	0.065505	0.15757	0.031643	0.49514	0.075072	0.10518	0.095779
-0.03084	0.50611	-0.03211	0.48877	-0.06853	0.13921	-0.00254	0.95632	-0.00522
-0.01278	0.78296	0.11906	0.01002	0.05224	0.25989	0.128924	0.00527	0.275225

0.069431	0.13408	0.024335	0.59989	0.026757	0.5641	0.02863	0.53712	0.082324
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0.08957	0.05307	0.058432	0.20752	0.058389	0.20785	0.038179	0.41043	0.157797
0.057133	0.21782	0.037932	0.41346	0.11268	0.01484	-0.04183	0.36706	-0.0502
0.047827	0.30237	0.066734	0.14991	0.03491	0.45168	0.070427	0.12857	0.107871
-0.10023	0.03034	-0.07556	0.10294	-0.09194	0.04707	-0.06326	0.17231	-0.00026
-0.02195	0.63606	0.00578	0.90086	0.009655	0.83516	-0.00216	0.96286	-0.04495
-0.06149	0.1847	0.067597	0.14469	-0.00876	0.85019	0.098582	0.03318	0.239755
0.196237	1.95E-05	0.104654	0.02371	0.16145	0.00046	0.043973	0.34304	0.100134
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0.035461	0.44457	0.157031	0.00066	0.072608	0.11713	0.177117	0.00012	0.29228
-0.03112	0.50231	0.072177	0.11933	0.002277	0.96086	0.09498	0.0402	0.146711
-0.0359	0.43895	0.087798	0.05797	0.014137	0.7606	0.106646	0.02116	0.213382
0.049047	0.29019	-0.01066	0.81829	-0.00259	0.95552	-0.00966	0.835	-0.05647
0.078956	0.08832	0.038118	0.41117	0.024699	0.59444	0.040848	0.37846	0.04864
-0.01091	0.81402	-0.02109	0.64933	-0.02544	0.58344	-0.00777	0.86698	-0.03042
-0.02008	0.66516	0.135012	0.00346	0.050847	0.27282	0.156043	0.00071	0.293437
-0.03907	0.3996	-0.08968	0.05279	-0.04091	0.37773	-0.09817	0.03393	-0.12845
-0.02174	0.63943	0.039626	0.39291	-0.0095	0.83769	0.064675	0.16291	0.133373
0.004276	0.92657	0.008436	0.85573	-0.00536	0.90795	0.020312	0.66153	-0.02919
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0.197771	1.67E-05	0.158815	0.00057	0.118248	0.01054	0.160305	0.00051	0.137931
-0.01688	0.71604	-0.06747	0.14545	-0.04702	0.31059	-0.06636	0.1522	-0.11663
0.067015	0.14819	0.04433	0.33913	0.049416	0.28657	0.05135	0.26811	0.003713
0.026951	0.56127	0.097122	0.03589	0.032685	0.48105	0.114523	0.01327	0.161562
0.158682	0.00058	0.102156	0.02728	0.08496	0.0666	0.104048	0.02454	0.099752
-0.02775	0.54967	-0.02071	0.65527	-0.00791	0.86462	-0.04158	0.36999	0.008189
-0.0233	0.61556	0.029663	0.52253	-0.00739	0.87347	0.060951	0.18856	0.040128
0.09432	0.04161	0.174233	0.00015	0.119937	0.00948	0.168521	0.00025	0.331065
-0.11039	0.01701	-0.0218	0.63849	-0.0765	0.0987	0.023931	0.60596	-0.01757
-0.0125	0.78757	-0.12526	0.00672	-0.03637	0.43296	-0.14119	0.00223	-0.24127
-0.13206	0.00425	-0.20354	9.28E-06	-0.1165	0.01175	-0.2102	4.61E-06	-0.34008
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-0.00012	0.998	-0.05308	0.25231	-0.01578	0.73369	-0.07626	0.09976	-0.08185
0.089891	0.05222	-0.00952	0.83745	0.011887	0.7978	-0.01732	0.70895	-0.07496
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0.001252	0.97848	-0.08594	0.06351	-0.04655	0.31546	-0.09239	0.04598	-0.1218
0.059833	0.19681	0.152512	0.00095	0.067146	0.1474	0.186639	4.95E-05	0.212589
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0.004595	0.92112	0.089682	0.05278	0.018037	0.69744	0.12367	0.00746	0.136505
-0.08883	0.05509	0.063522	0.17055	0.019203	0.67895	0.066804	0.14948	0.061514



0.011059	0.8116	0.117583	0.01099	0.056007	0.22704	0.110941	0.01647	0.21587
0.034886	0.45199	0.05852	0.20683	0.029626	0.52305	0.058745	0.20509	0.066115
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0.00899	0.84637	-0.09781	0.0346	-0.06669	0.1502	-0.09119	0.04891	-0.10051
0.007816	0.86622	-0.03924	0.39754	-0.01484	0.74915	-0.04364	0.34673	-0.06379
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-0.05354	0.24821	-0.10759	0.02005	-0.07091	0.12596	-0.11364	0.014	-0.17151
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0.088123	0.05705	-0.0142	0.75955	0.02517	0.58744	-0.01914	0.67999	-0.06865
0.028127	0.5443	0.020083	0.6651	0.045629	0.32515	-0.00713	0.87786	-0.01985
0.090071	0.05175	0.130893	0.00461	0.076253	0.0998	0.141576	0.00216	0.122148
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0.127113	0.00595	0.059908	0.19625	0.083102	0.07279	0.034806	0.45303	0.022208
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-0.0689	0.13711	-0.09366	0.04308	-0.10591	0.02208	-0.05594	0.22756	-0.13615
-0.01825	0.69408	0.00519	0.91094	-0.03675	0.4282	0.035669	0.4419	0.026621
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-0.10537	0.02277	-0.04788	0.30185	-0.08798	0.05744	-0.00435	0.92524	-0.01314
-0.03954	0.39387	-0.14434	0.00176	-0.09312	0.04428	-0.14881	0.00126	-0.21527
0.059481	0.19946	0.198475	1.56E-05	0.099355	0.03182	0.211461	4.03E-06	0.335626
-0.00022	0.99619	0.106894	0.02086	0.029632	0.52297	0.139613	0.0025	0.175555
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0.016203	0.72692	-0.06011	0.19477	-0.02421	0.60176	-0.07667	0.09795	0.002392
0.017188	0.71103	-0.00735	0.87419	0.033443	0.47093	-0.05778	0.21264	0.023841
0.055448	0.23171	0.022847	0.62239	0.034353	0.45893	-0.00081	0.98601	0.035866
-0.11099	0.01641	-0.09284	0.04494	-0.09983	0.03101	-0.06658	0.15086	-0.12922
-0.04993	0.28163	-0.04413	0.3413	-0.0539	0.24507	-0.02119	0.6478	0.010009
0.054973	0.23574	0.099403	0.03174	0.064	0.16735	0.094484	0.04126	0.145039
0.007787	0.86672	0.054066	0.24358	0.022249	0.63153	0.057042	0.21855	0.003315
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0.007088	0.87859	0.028955	0.53251	0.0041	0.92958	0.039765	0.39124	0.104742

0.119425	0.00979	0.081959	0.07683	0.063269	0.17226	0.084339	0.06862	0.109322
0.069819	0.13191	0.235473	2.64E-07	0.126132	0.00635	0.245501	7.72E-08	0.539366
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-0.09151	0.04811	-0.06363	0.16983	-0.06595	0.15475	-0.03734	0.42082	0.032184
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-0.10021	0.03038	-0.16447	0.00036	-0.12973	0.00499	-0.13726	0.00295	-0.26848
-0.06493	0.16125	-0.06943	0.1341	-0.06041	0.19253	-0.06241	0.17815	-0.12363
-0.06185	0.18212	0.020784	0.65416	-0.04671	0.3138	0.060662	0.19067	0.083633
-0.14725	0.00142	-0.16509	0.00034	-0.14974	0.00117	-0.13006	0.00488	-0.29648
-0.03909	0.39937	0.014047	0.76207	0.028302	0.54181	-0.00244	0.95805	-0.04104
-0.04698	0.31106	-0.05451	0.23976	-0.03372	0.4673	-0.05049	0.27622	-0.17212
-0.08869	0.05547	-0.03575	0.44082	-0.07627	0.09973	0.008792	0.84971	-0.10585
-0.10034	0.03015	-0.17933	9.76E-05	-0.13523	0.00341	-0.17367	0.00016	-0.29436
-0.08775	0.05812	-0.13655	0.00311	-0.06715	0.14735	-0.16487	0.00035	-0.28962
-0.08732	0.05934	0.025331	0.58505	-0.05019	0.27903	0.061185	0.18687	0.144285
0.062682	0.17629	0.014332	0.75739	0.040564	0.38179	-0.0253	0.58549	-0.04798
-0.10153	0.02824	-0.15358	0.00087	-0.1077	0.01991	-0.15415	0.00083	-0.24933
0.043683	0.34623	0.216813	2.25E-06	0.089418	0.05348	0.25766	1.62E-08	0.442298
-0.11864	0.01029	-0.06731	0.14642	-0.12217	0.00822	-0.00674	0.88448	-0.05068
0.0139	0.76448	0.082812	0.0738	0.030663	0.5086	0.102395	0.02692	0.060255
-0.14369	0.00185	-0.12016	0.00935	-0.12018	0.00934	-0.09071	0.05012	-0.11468
-0.05413	0.243	0.019918	0.66769	-0.01093	0.81382	0.020508	0.65846	0.091413
-0.05086	0.27271	-0.00254	0.95632	-0.05508	0.23483	0.041145	0.375	0.046533
-0.05958	0.1987	0.04372	0.34582	-0.00055	0.99047	0.057898	0.21171	0.070308
0.096441	0.03722	0.27999	7.37E-10	0.151977	0.00099	0.303501	2.09E-11	0.30221
0.020538	0.65798	-0.03751	0.41862	-0.01764	0.70384	-0.04	0.38847	-0.11473
0.03793	0.41348	-0.01365	0.76866	-0.02237	0.62962	-0.01296	0.77999	-0.01997
0.04941	0.28663	0.02104	0.65018	0.045845	0.32287	-0.00336	0.9422	0.178897
0.082011	0.07664	0.028692	0.53624	0.056936	0.21941	-0.00938	0.83987	0.062516
0.070173	0.12996	0.01879	0.68547	0.025782	0.57837	-0.00266	0.95421	0.095845
-0.00915	0.8437	0.139131	0.00258	0.011493	0.80437	0.197177	1.77E-05	0.290894
-0.02784	0.54841	-0.06977	0.13217	-0.01555	0.73751	-0.10497	0.02329	-0.09003
0.021393	0.64472	0.031945	0.49104	0.032327	0.48587	0.025867	0.57713	0.041576
-0.06944	0.13404	-0.12217	0.00822	-0.08721	0.05968	-0.13586	0.00326	-0.11486
-0.07037	0.12887	-0.07613	0.10034	-0.09056	0.0505	-0.04218	0.36315	-0.04553
-0.05256	0.25699	0.03234	0.48569	-0.04139	0.37218	0.071459	0.12306	0.109919
-0.04459	0.33626	0.048992	0.29073	-0.00375	0.93562	0.074982	0.10559	0.07953
-0.01688	0.71603	0.077758	0.09327	0.003944	0.93226	0.109873	0.01754	0.176476
-0.03484	0.45257	0.000678	0.98834	-0.03637	0.43296	0.024618	0.59565	0.014093
-0.05068	0.27443	-0.00116	0.98003	-0.00773	0.86762	-0.01033	0.82375	0.04401
-0.05214	0.26082	0.106737	0.02105	-0.00041	0.99293	0.153108	0.0009	0.216589
-0.04388	0.34405	0.039197	0.39804	0.011206	0.80914	0.045283	0.32884	0.073087
0.100882	0.02927	-0.11185	0.0156	-0.02511	0.58839	-0.14013	0.00241	-0.19155
0.010124	0.82726	-0.04151	0.37079	-0.01056	0.81989	-0.06343	0.17115	-0.06425
0.114614	0.0132	0.218897	1.79E-06	0.160539	0.0005	0.214298	2.97E-06	0.348278

-0.09129	0.04865	0.023321	0.61518	-0.00469	0.91947	0.027807	0.54889	0.031809
0.012738	0.78367	0.120127	0.00937	0.03172	0.4941	0.154073	0.00084	0.214785
-0.02484	0.5924	0.042579	0.35857	-0.00172	0.97039	0.055841	0.22842	0.048081
0.025038	0.5894	-0.03502	0.45027	-0.01812	0.69618	-0.04881	0.29255	-0.05816
-0.00056	0.99043	0.078563	0.08992	0.037698	0.41636	0.083164	0.07258	0.11727
0.125859	0.00646	0.061294	0.18608	0.118574	0.01033	-0.01445	0.75546	-0.07568
0.054557	0.23931	0.039121	0.39896	0.031683	0.49459	0.031862	0.49216	0.134927
-0.10776	0.01984	-0.0714	0.12338	-0.13499	0.00347	0.002795	0.95197	-0.00485
-0.12024	0.0093	-0.10388	0.02478	-0.11028	0.01712	-0.08513	0.06605	-0.0969
0.006538	0.88793	-0.09423	0.0418	-0.02058	0.65735	-0.10882	0.01866	-0.23022
0.02895	0.53258	0.027148	0.55841	0.008688	0.85146	0.047591	0.30476	-0.00974
-0.10571	0.02233	-0.07485	0.1062	-0.1006	0.02972	-0.02069	0.65556	-0.14335
0.015433	0.73941	-0.10067	0.02961	-0.00596	0.89783	-0.13458	0.00357	-0.17932
-0.1097	0.01772	-0.1298	0.00496	-0.1016	0.02814	-0.12239	0.0081	-0.1067
0.052036	0.26175	-0.07393	0.11057	0.016844	0.71657	-0.10964	0.01778	-0.20138
0.128708	0.00534	0.079502	0.08613	0.062446	0.17793	0.074131	0.10962	0.132741
-0.00625	0.89286	-0.12419	0.00721	-0.06708	0.14782	-0.11629	0.01191	-0.18258
-0.03555	0.44338	-0.10767	0.01995	-0.01984	0.66892	-0.1376	0.00288	-0.24344
0.153396	0.00088	0.178366	0.00011	0.12272	0.00793	0.168162	0.00026	0.346358
-0.00085	0.98547	0.169428	0.00023	0.068694	0.13827	0.209062	5.21E-06	0.236292
-0.06799	0.14239	0.063088	0.1735	-0.02562	0.58072	0.110863	0.01654	0.170783
0.083686	0.0708	0.130674	0.00468	0.050461	0.27649	0.153537	0.00087	0.190224
-0.01012	0.82742	-0.10406	0.02452	-0.04854	0.29526	-0.10776	0.01985	-0.17708
-0.04593	0.32194	0.006976	0.88048	-0.02412	0.60316	0.036038	0.43719	0.055392
0.07986	0.08472	0.093457	0.04353	0.061338	0.18577	0.105805	0.02221	0.091208
0.059067	0.20261	0.168257	0.00026	0.109919	0.01749	0.164676	0.00035	0.211144
-0.05739	0.21577	-0.01562	0.73639	-0.02627	0.57118	0.001765	0.96966	-0.03327
-0.02154	0.64245	0.041254	0.37374	0.010564	0.81989	0.056858	0.22005	0.081287
-0.02359	0.61104	0.056362	0.2241	0.007169	0.8772	0.065601	0.15696	0.166966
0.016241	0.72629	0.19178	3.02E-05	0.056475	0.22318	0.242165	1.17E-07	0.325501
0.029259	0.52822	-0.00336	0.94235	-0.01121	0.80904	0.001715	0.97051	-0.01881
0.062414	0.17815	0.148586	0.00128	0.074554	0.1076	0.173291	0.00017	0.230678
-0.071	0.12551	-0.16596	0.00032	-0.11457	0.01324	-0.18107	8.32E-05	-0.22431
-0.03265	0.48149	-0.05029	0.2781	-0.03243	0.48452	-0.05103	0.27107	-0.00947
-0.06396	0.16762	-0.08681	0.06086	-0.07921	0.0873	-0.09178	0.04746	-0.01147
-0.07034	0.12904	-0.07669	0.09788	-0.08059	0.08189	-0.04998	0.28112	-0.08785
-0.02003	0.66587	0.030908	0.50522	-0.00019	0.99668	0.046701	0.31391	0.054566
0.072513	0.11761	0.015289	0.74176	0.017488	0.70622	0.013678	0.76814	-0.03421
-0.04739	0.3068	-0.1314	0.00445	-0.08629	0.06243	-0.10811	0.01944	-0.25158
-0.07977	0.08507	-0.04712	0.3096	-0.08366	0.07089	-0.00598	0.89748	0.028667
-0.10899	0.01847	-0.04082	0.37878	-0.08887	0.05498	0.010788	0.81614	-0.01007
-0.04235	0.36111	-0.00556	0.90462	-0.03015	0.51578	0.013131	0.77717	-0.0066
0.04226	0.36218	0.092666	0.04534	0.052705	0.25567	0.098935	0.03256	0.09089
-0.01092	0.81394	-0.02822	0.54297	-0.03175	0.49362	-0.01288	0.78125	-0.06718
0.091863	0.04725	0.261269	1.00E-08	0.134225	0.00366	0.278933	8.58E-10	0.430185

-0.0666	0.15074	-0.13605	0.00322	-0.04207	0.36431	-0.1637	0.00038	-0.2898
-0.09545	0.03921	-0.0402	0.38603	-0.06182	0.18229	-0.01007	0.82825	-0.03783
-0.03525	0.44735	-0.04068	0.38041	-0.01106	0.81154	-0.05781	0.21242	-0.10571
-0.02227	0.63124	-0.05645	0.22341	-0.0388	0.4029	-0.05965	0.19819	-0.02343
-0.05881	0.20459	0.098728	0.03292	0.004909	0.91574	0.13565	0.00331	0.225202
0.159087	0.00056	0.088167	0.05692	0.104116	0.02445	0.046398	0.31706	0.179326
-0.05917	0.20186	0.01529	0.74173	-0.01496	0.74714	0.021925	0.63651	0.000591
-0.06267	0.17637	-0.12487	0.0069	-0.05152	0.26654	-0.1495	0.00119	-0.18523
-0.11857	0.01033	-0.14173	0.00214	-0.14569	0.0016	-0.11111	0.0163	-0.19792
-0.05547	0.23156	-0.14683	0.00146	-0.09905	0.03236	-0.13469	0.00354	-0.20648
-0.09219	0.04646	-0.09295	0.04467	-0.11411	0.01361	-0.05515	0.23425	-0.12684
0.05765	0.21367	0.039845	0.39029	0.029859	0.51978	0.028747	0.53547	0.186845
0.059894	0.19635	-0.0795	0.08614	-0.03797	0.41303	-0.08702	0.06025	-0.108
-0.07287	0.11582	-0.1153	0.01265	-0.0675	0.14527	-0.11608	0.01207	-0.21142
0.020257	0.66237	0.027379	0.55506	0.045646	0.32498	0.02119	0.64785	0.012453
0.119199	0.00993	0.190449	3.43E-05	0.125953	0.00642	0.175328	0.00014	0.292162
0.006291	0.89214	-0.03782	0.41479	-0.02992	0.51899	-0.02196	0.63598	-0.10474
-0.04018	0.38636	0.013969	0.76336	-0.01362	0.76903	0.028555	0.5382	0.045693
0.039262	0.39726	-0.04394	0.34335	0.000617	0.98939	-0.0647	0.16273	-0.10925
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-0.1841	6.28E-05	-0.20278	1.00E-05	-0.18287	7.04E-05	-0.16412	0.00037	-0.21475
0.003008	0.94832	-0.06293	0.17459	-0.04704	0.31041	-0.05766	0.21361	-0.13613
0.085225	0.06575	0.04512	0.33059	0.06516	0.15977	0.021499	0.64307	0.012882
0.038105	0.41133	0.09681	0.03649	0.088834	0.05506	0.068718	0.13813	0.144121
-0.023	0.62002	-0.10218	0.02725	-0.07737	0.09491	-0.09036	0.05102	-0.17707
-0.02198	0.63574	-0.13177	0.00434	-0.04584	0.32289	-0.16154	0.00046	-0.26445
-0.04472	0.33486	-0.03958	0.39348	-0.02726	0.55679	-0.04772	0.30344	-0.10704
-0.01722	0.71055	-0.11687	0.01149	-0.04814	0.29925	-0.14377	0.00184	-0.1844
0.053556	0.24806	-0.0045	0.92267	0.009696	0.83447	0.003332	0.94275	-0.06074
0.014564	0.75359	-0.06438	0.16483	-0.04452	0.3371	-0.0574	0.21568	-0.12863
-0.00645	0.88942	0.107566	0.02007	0.051645	0.26536	0.103882	0.02477	0.174815
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0.147228	0.00142	0.036284	0.43406	0.103194	0.02575	-0.0066	0.88692	0.016172
-0.01523	0.74271	-0.02604	0.57465	-0.03909	0.39939	-0.01014	0.82704	-0.11057
-0.02925	0.52837	0.07825	0.09121	0.009804	0.83266	0.093735	0.0429	0.240563
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-0.01012	0.82733	-0.13009	0.00487	-0.06934	0.13459	-0.15022	0.00113	-0.23081
-0.02359	0.61114	0.083053	0.07296	0.006089	0.89559	0.097633	0.03492	0.219788
0.091847	0.04729	-0.00358	0.9385	0.038754	0.4034	-0.03309	0.47557	0.01221
0.025858	0.57725	0.165387	0.00033	0.110008	0.0174	0.154936	0.00078	0.282616
0.11096	0.01645	0.241141	1.33E-07	0.147951	0.00134	0.236659	2.29E-07	0.404168
-0.04048	0.38277	0.031891	0.49177	0.013036	0.77874	0.022411	0.62905	0.084295
0.078304	0.09099	0.00854	0.85397	0.021268	0.64665	-0.00953	0.83724	0.029874

0.004577	0.92142	0.069697	0.13259	0.062961	0.17437	0.041367	0.37242	0.153683
0.011205	0.80917	0.026742	0.56431	0.011159	0.80994	0.04576	0.32377	0.000616
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-0.12944	0.00509	-0.14325	0.00191	-0.10659	0.02124	-0.12032	0.00925	-0.23863
-0.12094	0.00889	-0.25872	1.40E-08	-0.17131	0.0002	-0.25242	3.20E-08	-0.43492
-0.03649	0.43147	-0.01685	0.71648	-0.04463	0.33582	0.009949	0.83022	0.022481
-0.1476	0.00138	-0.20075	1.24E-05	-0.17059	0.00021	-0.16761	0.00027	-0.34329
-0.20194	1.09E-05	-0.28052	6.83E-10	-0.2438	9.54E-08	-0.21138	4.07E-06	-0.38319
0.04612	0.31997	0.015321	0.74124	-0.00501	0.91406	0.04055	0.38196	-0.08939
-0.11732	0.01117	-0.02383	0.60754	-0.0769	0.09696	0.014869	0.7486	0.035318
-0.05394	0.24468	0.071092	0.125	-0.01451	0.75444	0.108528	0.01898	0.193667
-0.0482	0.2986	-0.01382	0.76575	-0.07363	0.11206	0.040523	0.38226	-0.02698
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-0.01111	0.81075	0.068632	0.13863	0.035249	0.44729	0.077548	0.09416	0.059805
0.063109	0.17336	-0.03152	0.49681	0.022807	0.623	-0.04685	0.31241	-0.15086
0.006335	0.8914	-0.04385	0.34438	-0.0316	0.49571	-0.02846	0.53959	-0.01605
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-0.13733	0.00294	-0.13867	0.00267	-0.16794	0.00027	-0.08351	0.0714	-0.23716
-0.06732	0.14637	-0.05779	0.21254	-0.09104	0.04929	-0.00976	0.83331	-0.18426
-0.20339	9.43E-06	-0.12372	0.00743	-0.15391	0.00085	-0.07647	0.09883	-0.18177
-0.07873	0.08925	-0.06637	0.15213	-0.04999	0.281	-0.07527	0.10428	-0.05849
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-0.11591	0.01219	0.009523	0.83737	-0.0775	0.09437	0.07087	0.12618	0.072373
-0.10325	0.02567	-0.1196	0.00969	-0.1306	0.0047	-0.0862	0.0627	-0.17733
-0.01503	0.74595	-0.05894	0.20361	-0.04052	0.38225	-0.06025	0.19374	-0.09442
-0.02276	0.62371	-0.14801	0.00134	-0.06004	0.19526	-0.17004	0.00022	-0.28434
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-0.14658	0.00149	-0.23342	3.37E-07	-0.1468	0.00147	-0.25118	3.76E-08	-0.31278
-0.01646	0.72269	-0.02467	0.59485	-0.0019	0.96727	-0.02814	0.54412	-0.13172
-0.03369	0.46771	0.075167	0.10473	0.036022	0.43739	0.060663	0.19066	0.181904
-0.12876	0.00532	-0.08863	0.05562	-0.06704	0.14804	-0.087	0.06029	-0.03359
-0.04843	0.29627	-0.09078	0.04992	-0.06477	0.1623	-0.08308	0.07287	-0.13007
-0.10657	0.02125	-0.07765	0.09371	-0.07493	0.10586	-0.06811	0.14169	-0.14348
-0.03062	0.50916	0.107208	0.02049	0.017623	0.70405	0.136358	0.00315	0.232226
-0.00948	0.83804	-0.0105	0.82091	-0.0077	0.86823	-0.00321	0.94488	0.007806
-0.10429	0.02421	-0.05288	0.25413	-0.07295	0.11543	-0.0321	0.48888	-0.06703
-0.03263	0.48174	-0.1165	0.01175	-0.06597	0.15462	-0.11588	0.01221	-0.17921
-0.02397	0.60538	0.029193	0.52915	-0.02608	0.57396	0.059697	0.19783	0.059188
-0.00019	0.99669	0.173923	0.00016	0.037076	0.4241	0.229174	5.56E-07	0.380813
-0.14646	0.00151	-0.22634	7.71E-07	-0.19772	1.68E-05	-0.17238	0.00018	-0.2989
-0.0316	0.49574	-0.03015	0.51577	-0.02564	0.58041	-0.03271	0.48073	-0.06227
-0.01516	0.74387	0.103053	0.02595	0.028934	0.53281	0.126617	0.00615	0.188886
0.089435	0.05343	0.214743	2.83E-06	0.152089	0.00098	0.198815	1.50E-05	0.392333
0.039314	0.39664	0.078379	0.09067	0.029202	0.52903	0.094258	0.04175	0.109963

-0.08441	0.06839	-0.08865	0.05557	-0.10602	0.02194	-0.05307	0.25242	-0.02147
-0.10913	0.01832	-0.1132	0.01438	-0.10802	0.01955	-0.08898	0.05468	-0.1375
0.03158	0.496	-0.12614	0.00634	-0.02559	0.58125	-0.18804	4.33E-05	-0.26594
0.023103	0.61849	-0.01337	0.77321	0.026637	0.56584	-0.04435	0.33888	-0.07098
0.063096	0.17344	0.217612	2.06E-06	0.113505	0.01412	0.237389	2.10E-07	0.372706
0.089742	0.05262	0.261961	9.11E-09	0.161938	0.00044	0.252455	3.19E-08	0.545574
-0.01887	0.68425	0.057423	0.21548	0.008878	0.84825	0.058953	0.20349	0.240377
0.018621	0.68815	0.017722	0.70247	0.031286	0.50003	-0.00293	0.94965	0.078845
-0.08734	0.05931	-0.10659	0.02123	-0.09052	0.0506	-0.10373	0.02498	-0.13454
-0.0534	0.24948	-0.05641	0.22374	-0.06244	0.17796	-0.04163	0.36943	-0.07534
0.014068	0.76173	-0.03196	0.4908	-0.00901	0.84611	-0.03235	0.48554	-0.11444
-0.02511	0.5883	-0.14899	0.00124	-0.10869	0.0188	-0.13433	0.00363	-0.22666
-0.00082	0.98586	-0.04271	0.35708	-0.02157	0.64194	-0.05223	0.26002	-0.07306
0.094369	0.04151	0.051068	0.27074	0.089183	0.05411	0.013307	0.77425	0.0101
0.046556	0.31541	-0.05765	0.2137	-0.00609	0.89562	-0.07062	0.12753	-0.12572
-0.04437	0.33871	-0.16546	0.00033	-0.08989	0.05224	-0.18176	7.80E-05	-0.33498
0.039188	0.39816	0.003311	0.94312	-0.02298	0.62029	0.016992	0.71418	0.043787
-0.09412	0.04206	-0.16117	0.00047	-0.09734	0.03547	-0.16848	0.00025	-0.28337
-0.05675	0.22089	0.060374	0.19278	-0.0331	0.47548	0.113468	0.01415	0.150254
-0.0257	0.57956	-0.01026	0.82505	-0.00459	0.92126	-0.01513	0.74435	-0.01116
-0.03864	0.40479	0.020164	0.66384	0.00065	0.98883	0.020032	0.6659	0.078724
-0.04153	0.37059	-0.02859	0.53768	-0.0378	0.41504	-0.01113	0.81039	-0.03032
-0.0003	0.99492	0.057632	0.21382	-0.00106	0.98182	0.085636	0.06445	0.10314
0.007528	0.87111	-0.04029	0.38498	-0.03257	0.48254	-0.02464	0.59529	-0.08499
-0.01607	0.729	0.010474	0.8214	-0.00832	0.8577	0.036495	0.43139	-0.02134
-0.09003	0.05186	0.016246	0.72622	-0.04203	0.36476	0.052896	0.25394	0.091775
-0.00525	0.90991	-0.11582	0.01226	-0.06085	0.18928	-0.11512	0.0128	-0.24821
0.013832	0.76561	-0.00192	0.96697	-0.02789	0.54764	0.011131	0.8104	0.036806
-0.05125	0.26901	-0.00823	0.85919	-0.01432	0.75763	-0.0202	0.66324	0.041505
0.175053	0.00014	0.052661	0.25606	0.093733	0.04291	0.014754	0.75049	-0.00568
-0.05439	0.24073	-0.15296	0.00091	-0.09959	0.03141	-0.15256	0.00094	-0.20986
-0.11586	0.01223	-0.07303	0.11503	-0.08074	0.08135	-0.0371	0.42382	-0.08574
-0.04084	0.37859	0.083083	0.07286	0.015888	0.73201	0.119002	0.01006	0.019325
-0.05937	0.20032	-0.05024	0.27863	-0.07534	0.10393	-0.03859	0.40545	0.092586
-0.02756	0.55243	-0.06178	0.1826	-0.04798	0.30079	-0.07038	0.12884	-0.11199
-0.03149	0.49724	-0.02047	0.65911	-0.02964	0.52284	-0.00211	0.96376	-0.09278
-0.12409	0.00726	-0.12455	0.00704	-0.08799	0.05743	-0.13353	0.00384	-0.1559
-0.04817	0.29888	-0.02443	0.59843	-0.03348	0.47048	-0.00461	0.92082	-0.04217
0.059619	0.19842	0.059058	0.20269	0.042571	0.35867	0.04814	0.29921	0.130264
-0.15052	0.0011	-0.07876	0.08911	-0.12023	0.00931	-0.03476	0.45356	-0.06223
-0.0901	0.05168	-0.0039	0.93301	-0.04758	0.30484	0.035187	0.44809	0.016041
-0.13876	0.00266	-0.08185	0.07724	-0.09256	0.04558	-0.05491	0.23631	-0.12461
-0.0977	0.0348	-0.1427	0.00199	-0.11468	0.01315	-0.12968	0.00501	-0.20044
-0.02119	0.64789	0.147426	0.0014	0.053766	0.2462	0.171855	0.00019	0.282244
-0.02783	0.54859	-0.10715	0.02056	-0.07826	0.09115	-0.111	0.01641	-0.17127

-0.0187	0.68685	-0.06704	0.14806	-0.03703	0.4247	-0.05913	0.20215	-0.14287
-0.00332	0.94304	0.160858	0.00048	0.06377	0.16888	0.173869	0.00016	0.313621
-0.02918	0.52929	0.003069	0.94726	-0.01984	0.66888	0.019541	0.67361	-0.03113
0.039806	0.39076	-0.08049	0.0823	0.003779	0.93509	-0.12177	0.00843	-0.16862
0.110762	0.01664	0.168358	0.00026	0.117986	0.01072	0.158167	0.0006	0.318014
0.030233	0.51458	0.00279	0.95205	-0.01341	0.77254	0.001522	0.97384	0.081935
-0.00035	0.99394	0.132225	0.00421	0.044643	0.33573	0.149063	0.00123	0.299511
-0.03051	0.51075	-0.00963	0.83551	-0.00756	0.87058	-0.02292	0.62125	-0.04513
0.069159	0.13562	0.095977	0.03814	0.061334	0.18579	0.10062	0.0297	0.078613
-0.04647	0.31634	-0.05435	0.24109	-0.02364	0.61031	-0.0681	0.14171	-0.13783
-0.02419	0.60203	-0.03145	0.49784	-0.02067	0.6559	-0.02912	0.53014	-0.0348
0.051352	0.26808	0.15059	0.0011	0.064417	0.1646	0.164049	0.00037	0.243486
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0.015819	0.73314	-0.01873	0.6865	0.014918	0.74781	-0.04082	0.37879	-0.01472
0.073517	0.1126	0.113525	0.0141	0.063978	0.1675	0.11874	0.01022	0.117521
0.023274	0.6159	0.163901	0.00038	0.070883	0.12611	0.187294	4.65E-05	0.214039
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-0.09474	0.04072	-0.16531	0.00033	-0.11364	0.01401	-0.16464	0.00035	-0.28068
-0.03373	0.46707	-0.1949	2.22E-05	-0.11332	0.01428	-0.19124	3.18E-05	-0.32648
0.017219	0.71053	0.050719	0.27404	0.03401	0.46344	0.048332	0.29728	0.018501
-0.01778	0.70148	0.027671	0.55085	0.009022	0.84583	0.03104	0.50341	0.054714
-0.00195	0.96648	0.137782	0.00285	0.0522	0.26026	0.159849	0.00053	0.193823
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0.097626	0.03493	0.231997	3.99E-07	0.131824	0.00432	0.231121	4.43E-07	0.336393
0.079636	0.0856	0.018308	0.69313	0.050556	0.27558	-0.01421	0.75938	-0.01549
0.066016	0.15435	0.170438	0.00022	0.121081	0.00881	0.15176	0.001	0.272291
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0.115098	0.01281	-0.0089	0.84796	0.04909	0.28976	-0.04938	0.28691	-0.05186
0.070735	0.12691	-0.03066	0.5086	-0.01179	0.79943	-0.03288	0.47839	-0.06727
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0.072534	0.11751	-0.0548	0.23721	-0.02176	0.63904	-0.04116	0.37481	-0.09586
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0.081246	0.07944	0.054805	0.23718	0.086823	0.06082	0.020298	0.66175	0.081698
0.050994	0.27144	-0.01278	0.78294	0.025936	0.57612	-0.04269	0.35735	0.047375
0.015657	0.73576	-0.05232	0.25914	-0.03018	0.51529	-0.0578	0.21248	-0.0196
0.126067	0.00637	0.119478	0.00976	0.093211	0.04408	0.105671	0.02238	0.173131
-0.10042	0.03002	0.026739	0.56436	-0.0556	0.23041	0.073815	0.11115	0.141255
-0.0415	0.37092	0.104954	0.02331	0.028487	0.53915	0.120173	0.00934	0.266135
0.039837	0.39039	-0.02027	0.66218	-0.01578	0.73379	-0.01762	0.70404	-0.0031
-0.08071	0.08144	-0.12623	0.0063	-0.11685	0.0115	-0.09362	0.04315	-0.06639
-0.10209	0.02739	-0.05293	0.25366	-0.07208	0.11985	-0.03593	0.43852	-0.02388
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0.004148	0.92877	-0.07317	0.11432	-0.01807	0.69688	-0.09049	0.05068	-0.17952
0.058383	0.2079	-0.0553	0.23297	0.000591	0.98983	-0.09116	0.04897	-0.14792
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0.115088	0.01282	0.047223	0.30852	0.069456	0.13394	0.030264	0.51413	-0.04836
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0.03214	0.48839	0.151547	0.00102	0.06557	0.15716	0.170343	0.00022	0.275513
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0.039175	0.39832	0.007006	0.87998	-0.02537	0.58443	0.054862	0.23669	-0.08297
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0.153733	0.00086	0.09397	0.04238	0.091075	0.04919	0.083762	0.07054	0.051785
0.01559	0.73686	-0.02669	0.56509	-0.01626	0.72593	-0.02234	0.63013	-0.06166
0.014554	0.75376	0.045191	0.32983	0.023183	0.61727	0.047405	0.30666	0.114262
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0.017631	0.70393	0.18306	6.92E-05	0.066694	0.15015	0.223563	1.06E-06	0.329248
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-0.03491	0.45167	-0.12724	0.0059	-0.04317	0.35195	-0.1585	0.00059	-0.22296
-0.00873	0.85083	0.06385	0.16835	-0.02473	0.59395	0.108657	0.01884	0.14569
-0.00313	0.94619	0.01386	0.76514	-0.00729	0.87524	0.036223	0.43484	0.061622
-0.08825	0.0567	-0.09386	0.04263	-0.06653	0.15116	-0.10768	0.01994	-0.07932
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0.062143	0.18004	0.002342	0.95975	0.032925	0.47783	-0.02138	0.64498	-0.02022
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-0.01762	0.7041	0.027532	0.55285	-0.0179	0.69968	0.03628	0.43411	0.086144
-0.05536	0.23248	0.083058	0.07294	-0.0034	0.94161	0.114009	0.01369	0.132601
-0.10344	0.02539	-0.10588	0.02211	-0.0916	0.04789	-0.09219	0.04648	-0.14232
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0.061699	0.18318	0.107922	0.01966	0.053844	0.24552	0.1188	0.01018	0.178473
0.046942	0.31141	-0.01222	0.79226	0.033488	0.47032	-0.04245	0.35999	-0.11632
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0.00852	0.8543	-0.08237	0.07536	-0.03181	0.49287	-0.08746	0.05894	-0.20232
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0.068609	0.13876	0.003082	0.94704	0.058685	0.20556	-0.03845	0.4071	-0.06458
0.001016	0.98253	0.130002	0.0049	0.04793	0.30132	0.14981	0.00117	0.29059
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0.053316	0.25019	0.028076	0.54503	0.012266	0.7915	0.036611	0.42993	-0.03454
0.022639	0.62557	0.073269	0.11383	0.03182	0.49274	0.082776	0.07393	0.066718
-0.13482	0.00351	-0.09115	0.04901	-0.08862	0.05564	-0.07192	0.12064	-0.07576
-0.00096	0.98345	0.140263	0.00238	0.040198	0.38611	0.168997	0.00024	0.229944
0.039586	0.39338	0.075377	0.10377	0.060111	0.19473	0.064009	0.1673	0.099596
0.023784	0.60818	-0.09817	0.03393	0.004206	0.92777	-0.14805	0.00133	-0.26132
0.106057	0.02189	0.01306	0.77833	0.040645	0.38084	-0.01706	0.71308	0.01783
0.065067	0.16037	-0.00669	0.88538	0.031123	0.50226	-0.03169	0.49456	0.015186
-0.0851	0.06614	-0.13961	0.0025	-0.13222	0.00421	-0.11405	0.01366	-0.1691
-0.04668	0.31416	-0.14151	0.00217	-0.06972	0.13248	-0.15245	0.00095	-0.27036
-0.17109	0.0002	-0.1062	0.02172	-0.12514	0.00677	-0.06585	0.15537	-0.08613
-0.00266	0.95428	-0.07421	0.10924	-0.03263	0.4818	-0.08754	0.05873	-0.10393
-0.01832	0.69294	0.036392	0.43269	-0.00045	0.99228	0.04864	0.29422	0.097526
-0.04357	0.3475	-0.00506	0.91308	-0.01996	0.66696	-0.00115	0.98019	0.077613
-0.01094	0.81362	0.113988	0.01371	0.035448	0.44474	0.128129	0.00556	0.282054
0.166236	0.00031	0.060386	0.1927	0.068478	0.13952	0.04937	0.28702	0.094164
-0.08452	0.06803	-0.0338	0.46615	-0.05628	0.2248	-0.02308	0.6189	-0.04314
-0.03544	0.44482	0.017351	0.70841	-0.02401	0.60481	0.041829	0.36711	0.012423
-0.11983	0.00954	-0.11681	0.01153	-0.1384	0.00272	-0.06869	0.13829	-0.18388
-0.01581	0.73324	0.00227	0.96099	-0.01283	0.78211	0.016846	0.71653	0.006248
-0.04023	0.38576	0.136987	0.00301	0.031831	0.49259	0.1631	0.0004	0.335382
0.04429	0.33957	0.01936	0.67646	0.018009	0.69789	0.01581	0.73329	-0.02912
0.032845	0.4789	0.143182	0.00192	0.093039	0.04448	0.156403	0.00069	0.209746
-0.01167	0.80145	0.046648	0.31446	0.004184	0.92816	0.068848	0.13739	0.05174
0.060577	0.19129	-0.00881	0.84939	0.024836	0.59241	-0.02765	0.5511	-0.05839
-0.01095	0.81342	-0.10072	0.02953	-0.09066	0.05024	-0.08343	0.07166	-0.12212
0.008868	0.84842	-0.02075	0.65466	-0.01347	0.77152	-0.01964	0.67207	0.014038
0.004998	0.91422	0.115924	0.01218	0.014088	0.76141	0.154993	0.00078	0.249333
0.069324	0.13468	0.047411	0.3066	-0.0046	0.92101	0.085143	0.06601	0.159484
-0.00468	0.9196	0.10686	0.02091	0.035362	0.44584	0.130706	0.00467	0.192755
-0.00227	0.96093	0.114682	0.01314	0.047553	0.30514	0.133852	0.00376	0.209448
0.017371	0.7081	0.024532	0.59695	0.025378	0.58435	0.00707	0.87889	0.164359
0.005225	0.91034	-0.04724	0.30837	-0.03348	0.47045	-0.04431	0.33937	-0.09266
-0.14163	0.00216	-0.12365	0.00747	-0.15036	0.00112	-0.07345	0.11295	-0.16935
-0.09378	0.0428	-0.14019	0.00239	-0.099	0.03244	-0.13682	0.00305	-0.26127
-0.03278	0.47976	-0.04139	0.37219	-0.02195	0.63606	-0.05214	0.26084	0.001248

-0.08292	0.07341	-0.0347	0.45446	-0.04908	0.28989	-0.02973	0.52158	-0.01787
-0.12831	0.00549	-0.28702	2.63E-10	-0.18411	6.28E-05	-0.29072	1.51E-10	-0.38293
0.039604	0.39317	-0.0072	0.8766	-0.0282	0.54326	0.030446	0.51161	-0.11092
0.027905	0.54749	0.00575	0.90138	0.015133	0.7443	0.003429	0.94108	-0.04979
0.001953	0.96642	-0.13835	0.00273	-0.07458	0.10751	-0.16006	0.00052	-0.20414
-0.11263	0.01489	-0.1246	0.00702	-0.09595	0.0382	-0.10383	0.02484	-0.19836
-0.02827	0.54219	-0.03585	0.43965	-0.04371	0.34597	-0.0128	0.7827	-0.09638
-0.06559	0.15701	-0.12882	0.0053	-0.09753	0.03512	-0.10872	0.01877	-0.29327
0.039468	0.3948	0.078432	0.09046	0.035829	0.43985	0.093679	0.04303	0.079473
-0.06918	0.13549	-0.06804	0.14207	-0.05224	0.25992	-0.05474	0.23778	-0.04976
-0.05859	0.20626	-0.02951	0.52472	-0.02956	0.52403	-0.03232	0.48597	-0.05275
-0.01453	0.75413	-0.00681	0.88335	-0.02121	0.64748	-0.0003	0.99485	-0.04033
0.039883	0.38984	0.071298	0.12391	0.06082	0.18951	0.070377	0.12885	0.118334
-0.121	0.00886	-0.06355	0.1704	-0.1008	0.0294	-0.02999	0.51795	0.011458
-0.01545	0.73915	-0.04442	0.3381	-0.00985	0.83181	-0.05645	0.2234	-0.12078
-0.05827	0.20882	-0.0935	0.04343	-0.05955	0.19894	-0.10082	0.02938	-0.11664
-0.05627	0.22483	-0.04856	0.29501	-0.06958	0.13323	-0.0107	0.81762	-0.06876
-0.15472	0.00079	-0.06304	0.17385	-0.12472	0.00697	0.007775	0.86693	-0.10392
-0.07647	0.09884	-0.10427	0.02423	-0.09104	0.04928	-0.09826	0.03376	-0.09333
-0.03832	0.40872	0.084019	0.06968	-0.00552	0.90535	0.11602	0.01211	0.175512
-0.00997	0.82986	-0.01726	0.7099	-0.00992	0.83068	-0.00516	0.91144	0.027379
0.001747	0.96996	-0.02851	0.5389	0.013077	0.77805	-0.06682	0.14939	-0.07277
-0.06152	0.18443	0.058269	0.20879	0.008307	0.85791	0.06875	0.13795	0.164337
-0.0127	0.7843	-0.00432	0.92584	0.015075	0.74525	-0.02111	0.64906	-0.02442
0.111041	0.01637	0.030331	0.5132	0.060169	0.1943	0.004887	0.91612	0.003719
-0.06297	0.17427	0.103568	0.02521	0.029632	0.52297	0.117313	0.01118	0.147414
-0.0417	0.3686	0.021315	0.64592	-0.00984	0.83204	0.03328	0.47309	0.053402
-0.05696	0.21921	-0.15011	0.00114	-0.105	0.02325	-0.14876	0.00126	-0.24435
0.044417	0.33818	0.087846	0.05784	0.022603	0.62611	0.109013	0.01845	0.186777
-0.10855	0.01895	-0.18837	4.20E-05	-0.15444	0.00081	-0.15531	0.00076	-0.24712
-0.01355	0.7702	-0.07855	0.08998	-0.06679	0.14954	-0.07642	0.09904	-0.10147
-0.03635	0.43328	0.023514	0.61226	-0.02264	0.62556	0.040221	0.38584	0.130826
0.02264	0.62554	0.151742	0.001	0.044955	0.33236	0.194748	2.26E-05	0.276299
0.0968	0.03651	-0.01006	0.8284	0.013052	0.77846	-0.01738	0.70789	0.005606
-0.00533	0.9085	-0.02259	0.62631	-0.01181	0.79915	-0.026	0.57515	-0.03072
0.042304	0.36169	0.13892	0.00262	0.066242	0.15294	0.161473	0.00046	0.211049
-0.11458	0.01322	-0.09555	0.03902	-0.09273	0.04519	-0.07346	0.11287	-0.11454
-0.15545	0.00075	-0.08684	0.06077	-0.13561	0.00332	-0.02303	0.61956	-0.05283
-0.17734	0.00012	-0.15228	0.00096	-0.17435	0.00015	-0.08559	0.06461	-0.14447
0.079819	0.08488	0.059424	0.19989	0.059383	0.20021	0.063919	0.16789	0.100762
-0.07317	0.11429	-0.07587	0.10153	-0.08308	0.07287	-0.03469	0.4545	-0.17444
-0.0179	0.6997	-0.03403	0.46319	-0.04907	0.28996	-0.01997	0.66693	-0.03626
0.025212	0.58681	0.00828	0.85836	-0.01274	0.78367	0.023869	0.6069	0.023842
0.086135	0.0629	0.242309	1.15E-07	0.143572	0.00187	0.241327	1.30E-07	0.414438
0.031994	0.49038	-0.0422	0.3629	0.025746	0.57891	-0.09406	0.04217	-0.14903

-0.06938	0.13436	-0.10288	0.0262	-0.04404	0.34236	-0.12788	0.00565	-0.14982
-0.08191	0.07701	-0.10052	0.02986	-0.09739	0.03538	-0.08616	0.06282	-0.20316
0.079386	0.08659	-0.13437	0.00362	-0.0063	0.89198	-0.19696	1.81E-05	-0.29167
0.002783	0.95217	0.133322	0.0039	0.075719	0.1022	0.128309	0.00549	0.313218
0.153809	0.00085	0.338118	5.93E-14	0.21258	3.58E-06	0.33796	6.11E-14	0.551879
-0.04304	0.35344	0.079375	0.08664	0.013885	0.76474	0.100974	0.02912	0.161484
0.003021	0.94809	-0.0826	0.07455	-0.0122	0.79251	-0.11547	0.01253	-0.12566
0.200849	1.22E-05	0.24663	6.70E-08	0.173309	0.00017	0.239971	1.53E-07	0.339333
0.056349	0.22421	0.157652	0.00063	0.103358	0.02551	0.16837	0.00026	0.184219
0.060216	0.19395	0.103772	0.02492	0.078971	0.08826	0.069143	0.13571	0.250927
-0.03294	0.47764	-0.0629	0.17476	-0.02188	0.63723	-0.08567	0.06435	0.02111
0.090299	0.05116	0.22996	5.07E-07	0.112278	0.0152	0.270368	2.89E-09	0.367188
0.172593	0.00018	0.120084	0.00939	0.147866	0.00135	0.06567	0.15652	0.265121
0.144232	0.00178	0.058791	0.20473	0.077503	0.09435	0.047604	0.30463	0.086832
-0.1177	0.01091	-0.03484	0.45255	-0.07003	0.13076	-0.00775	0.86741	-0.02356
-0.0383	0.40889	-0.00546	0.90633	0.01352	0.77075	-0.0309	0.50539	0.033019
-0.00208	0.96422	0.097636	0.03492	0.052048	0.26164	0.095944	0.03821	0.178632
-0.07339	0.11324	-0.02665	0.56562	-0.03562	0.44253	-0.00688	0.88207	-0.08762
0.137566	0.00289	0.21998	1.59E-06	0.138184	0.00277	0.233947	3.17E-07	0.237603
0.092381	0.04601	0.124522	0.00706	0.090225	0.05135	0.118617	0.0103	0.27801
0.004369	0.92497	-0.07792	0.09258	-0.00337	0.94213	-0.12645	0.00621	0.007053
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0.08623	0.06261	0.197307	1.75E-05	0.149628	0.00118	0.179486	9.62E-05	0.371791
0.067485	0.14536	0.043452	0.34879	0.068019	0.1422	0.018605	0.68841	0.137167
-0.04774	0.30329	0.040888	0.37799	0.005214	0.91052	0.056092	0.22633	0.247069
0.132872	0.00402	0.125279	0.00671	0.16047	0.0005	0.064318	0.16525	0.179437
0.101015	0.02906	0.259316	1.30E-08	0.201231	1.18E-05	0.197939	1.64E-05	0.527925
0.146336	0.00152	0.169017	0.00024	0.172142	0.00019	0.119187	0.00994	0.304815
0.08535	0.06535	0.226513	7.56E-07	0.169157	0.00024	0.196283	1.94E-05	0.394327
0.194777	2.25E-05	0.222229	1.23E-06	0.218164	1.94E-06	0.163909	0.00038	0.387006
0.057873	0.21191	0.241483	1.27E-07	0.139815	0.00246	0.233877	3.19E-07	0.524064
0.114368	0.0134	0.180428	8.82E-05	0.135978	0.00324	0.162107	0.00044	0.281629
0.06637	0.15214	0.110748	0.01666	0.12017	0.00934	0.05639	0.22387	0.244919
-0.10987	0.01754	-0.19702	1.80E-05	-0.17737	0.00012	-0.17318	0.00017	-0.32188
0.05777	0.21272	0.153018	0.00091	0.122303	0.00815	0.126668	0.00612	0.306217
0.182939	7.00E-05	0.11762	0.01096	0.144684	0.00172	0.064201	0.16602	0.168892
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-0.07768	0.09362	-0.12949	0.00507	-0.11253	0.01497	-0.11539	0.01258	-0.25021
0.276426	1.23E-09	0.38642	4.43E-18	0.299171	4.12E-11	0.340854	3.61E-14	0.596268
0.108758	0.01873	0.302172	2.58E-11	0.184073	6.30E-05	0.292489	1.15E-10	0.595896
0.013324	0.77397	0.160909	0.00048	0.089481	0.05331	0.1583	0.0006	0.345846
0.055124	0.23446	0.207965	5.85E-06	0.133292	0.00391	0.197739	1.68E-05	0.447165
0.113768	0.0139	0.195212	2.15E-05	0.180221	8.99E-05	0.135048	0.00346	0.252072
0.012417	0.78899	0.145893	0.00157	0.085514	0.06483	0.136543	0.00311	0.328888
0.069966	0.1311	0.239688	1.58E-07	0.149889	0.00116	0.246939	6.44E-08	0.312945

0.061168	0.18699	0.016304	0.72528	0.010958	0.8133	0.017199	0.71086	0.18062
0.113741	0.01392	0.174111	0.00016	0.143355	0.0019	0.143518	0.00188	0.261278
0.098082	0.03409	0.236207	2.42E-07	0.16033	0.00051	0.214257	2.98E-06	0.353212
0.164221	0.00037	0.244921	8.30E-08	0.187666	4.49E-05	0.222424	1.21E-06	0.442182
0.113531	0.0141	0.137973	0.00281	0.115068	0.01284	0.107376	0.02029	0.330293
0.122696	0.00794	0.196626	1.87E-05	0.155324	0.00076	0.164919	0.00035	0.399371
0.064325	0.1652	0.200109	1.32E-05	0.155419	0.00075	0.172882	0.00017	0.389569
0.2708	2.72E-09	0.246498	6.81E-08	0.251579	3.57E-08	0.173982	0.00016	0.439371
0.150512	0.0011	0.191403	3.13E-05	0.164492	0.00036	0.155478	0.00075	0.398359
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0.108397	0.01912	0.202598	1.02E-05	0.159719	0.00053	0.172827	0.00017	0.418979
0.11584	0.01224	0.246485	6.82E-08	0.165321	0.00033	0.225058	8.94E-07	0.506725
0.176371	0.00013	0.193964	2.44E-05	0.202794	1.00E-05	0.131848	0.00432	0.3119
0.111693	0.01574	0.226414	7.65E-07	0.154417	0.00081	0.203209	9.61E-06	0.449737
0.123944	0.00733	0.121372	0.00865	0.154809	0.00079	0.063758	0.16897	0.190357
0.102045	0.02745	0.240946	1.36E-07	0.159168	0.00056	0.227976	6.39E-07	0.510881
0.075557	0.10294	0.052129	0.2609	0.097977	0.03428	0.001239	0.9787	0.136304
0.131989	0.00427	0.216966	2.22E-06	0.237445	2.08E-07	0.128045	0.00559	0.192421
0.058907	0.20384	0.156186	0.00071	0.113982	0.01372	0.129504	0.00506	0.275437
0.043598	0.34717	0.157652	0.00063	0.108733	0.01875	0.140095	0.00241	0.366351
0.019579	0.67301	0.142302	0.00205	0.090525	0.05058	0.129741	0.00498	0.385002
0.03081	0.50657	0.277276	1.09E-09	0.14436	0.00176	0.29811	4.86E-11	0.453323
0.031625	0.49539	0.120385	0.00921	0.106233	0.02167	0.089247	0.05394	0.335724
0.129084	0.00521	0.197917	1.65E-05	0.162055	0.00044	0.155337	0.00076	0.396331
0.112944	0.01461	0.169447	0.00023	0.159107	0.00056	0.127073	0.00596	0.304988
0.13533	0.00339	0.241995	1.19E-07	0.197639	1.69E-05	0.202666	1.02E-05	0.43165
0.212527	3.60E-06	0.142685	0.00199	0.185742	5.38E-05	0.072287	0.11876	0.16532
0.107021	0.02071	0.260289	1.14E-08	0.15749	0.00064	0.260988	1.04E-08	0.449206
-0.0581	0.21015	-0.06039	0.19268	-0.07894	0.0884	-0.02999	0.51799	-0.15606
0.054779	0.23741	0.14708	0.00144	0.091812	0.04737	0.138391	0.00273	0.392506
-0.05095	0.27182	0.097014	0.0361	0.019482	0.67454	0.116492	0.01176	0.274628
0.098754	0.03288	0.2081	5.77E-06	0.148538	0.00129	0.186164	5.17E-05	0.410614
0.07	0.13091	0.076539	0.09853	0.046209	0.31904	0.074329	0.10867	0.255468
0.109709	0.01771	0.20975	4.84E-06	0.116981	0.01141	0.21355	3.22E-06	0.618855
0.19054	3.40E-05	0.154132	0.00083	0.185709	5.40E-05	0.084651	0.0676	0.19365
0.082354	0.07542	0.171562	0.0002	0.112762	0.01477	0.154592	0.0008	0.442027
0.07712	0.09599	0.2873	2.52E-10	0.141725	0.00214	0.313351	4.25E-12	0.591887
0.076537	0.09854	0.113613	0.01403	0.092747	0.04515	0.094724	0.04074	0.32141
-0.00159	0.97271	-0.03117	0.50156	0.018432	0.69116	-0.06972	0.13247	0.128052
0.038399	0.40774	-0.12958	0.00504	-0.05899	0.20319	-0.14173	0.00214	-0.21644
0.05318	0.25139	0.130162	0.00484	0.109919	0.01749	0.100066	0.03061	0.2742
0.159504	0.00054	0.145425	0.00163	0.1267	0.00611	0.126597	0.00615	0.272522
-0.0657	0.15633	0.077237	0.09549	0.002444	0.958	0.093966	0.04239	0.258355
-0.13475	0.00353	-0.21616	2.42E-06	-0.17946	9.64E-05	-0.1831	6.89E-05	-0.32783
0.025617	0.58081	0.188287	4.23E-05	0.109954	0.01746	0.176561	0.00013	0.440578

0.066935	0.14868	0.192709	2.76E-05	0.124749	0.00695	0.185249	5.64E-05	0.417789
0.123508	0.00754	0.194413	2.33E-05	0.160903	0.00048	0.159875	0.00052	0.307606
0.102266	0.02711	0.362428	6.08E-16	0.191543	3.09E-05	0.392345	1.23E-18	0.677926
-0.02621	0.57206	0.135955	0.00324	0.072234	0.11904	0.122751	0.00792	0.37195
0.046452	0.31649	0.176595	0.00012	0.094633	0.04094	0.177843	0.00011	0.407102
0.037604	0.41751	0.197443	1.73E-05	0.123021	0.00778	0.18006	9.13E-05	0.353021
-0.04423	0.34022	0.104147	0.0244	0.053846	0.2455	0.106003	0.02196	0.262834
0.005022	0.91381	0.180077	9.11E-05	0.087696	0.05827	0.195194	2.16E-05	0.314851
0.098644	0.03307	0.252454	3.19E-08	0.174153	0.00016	0.227961	6.40E-07	0.515398
0.131374	0.00446	0.190248	3.50E-05	0.155581	0.00074	0.152752	0.00093	0.421353
0.004253	0.92697	0.189782	3.66E-05	0.112364	0.01512	0.18649	5.02E-05	0.391604
-0.03959	0.39335	0.122224	0.00819	0.057311	0.21639	0.11619	0.01198	0.239076
0.025832	0.57765	0.162809	0.00041	0.114913	0.01296	0.142002	0.0021	0.30239
0.093333	0.04381	0.192749	2.75E-05	0.12662	0.00614	0.201983	1.09E-05	0.382449
0.154977	0.00078	0.278135	9.62E-10	0.234303	3.04E-07	0.21202	3.80E-06	0.418321
0.165241	0.00034	0.176045	0.00013	0.16247	0.00042	0.140186	0.00239	0.289355
0.141676	0.00215	0.113957	0.01374	0.150807	0.00108	0.058748	0.20507	0.203957
-0.03197	0.49074	0.127203	0.00591	0.056814	0.2204	0.135782	0.00328	0.351634
0.13177	0.00434	0.289157	1.91E-10	0.246578	6.74E-08	0.217119	2.18E-06	0.48213
0.045244	0.32926	0.199115	1.46E-05	0.118827	0.01017	0.193479	2.56E-05	0.385834
0.001901	0.96732	0.216238	2.40E-06	0.086303	0.06239	0.245889	7.35E-08	0.381106
-0.01239	0.78949	0.003182	0.94532	0.009592	0.83622	0.005288	0.90926	0.099218
0.019738	0.67052	0.127994	0.00561	0.067841	0.14324	0.117639	0.01095	0.352749
0.145364	0.00163	0.227269	6.93E-07	0.184829	5.87E-05	0.187676	4.48E-05	0.382188
0.127924	0.00563	0.225966	8.05E-07	0.183836	6.44E-05	0.182289	7.43E-05	0.401903
0.00357	0.93867	0.125151	0.00677	0.060164	0.19434	0.113623	0.01402	0.269318
0.024483	0.59767	0.174897	0.00015	0.121062	0.00882	0.149855	0.00116	0.363853
0.137677	0.00287	0.158995	0.00056	0.134721	0.00354	0.142187	0.00207	0.330053
0.075685	0.10236	0.160569	0.0005	0.084227	0.06899	0.177646	0.00011	0.352521
-0.01397	0.76326	0.136132	0.0032	0.083255	0.07226	0.119038	0.01003	0.256085
0.134405	0.00361	0.20427	8.61E-06	0.172467	0.00018	0.16178	0.00045	0.270366
0.0757	0.10229	0.124514	0.00706	0.102178	0.02725	0.092389	0.04599	0.272853
0.236214	2.41E-07	0.228254	6.18E-07	0.200391	1.28E-05	0.184334	6.14E-05	0.438274
0.068043	0.14205	0.320089	1.38E-12	0.142103	0.00208	0.367789	2.10E-16	0.560419
0.028274	0.5422	0.14154	0.00217	0.102807	0.02631	0.116713	0.0116	0.214408
0.189219	3.87E-05	0.24471	8.52E-08	0.21794	1.99E-06	0.189508	3.76E-05	0.364534
0.029416	0.52601	0.104024	0.02457	0.124592	0.00702	0.048071	0.29991	0.215318
0.11716	0.01128	0.258607	1.43E-08	0.156968	0.00066	0.259827	1.21E-08	0.454468
0.230236	4.91E-07	0.254582	2.42E-08	0.213304	3.31E-06	0.189155	3.89E-05	0.3654
0.024707	0.59433	0.046868	0.31218	0.074633	0.10723	0.007358	0.874	0.109233
0.079734	0.08521	0.23411	3.11E-07	0.142792	0.00198	0.229535	5.33E-07	0.535963
-0.00496	0.91479	0.146584	0.00149	0.062009	0.18099	0.176613	0.00012	0.249762
0.10653	0.02131	0.191246	3.18E-05	0.177994	0.00011	0.145798	0.00158	0.35695
0.208029	5.81E-06	0.155847	0.00073	0.149847	0.00116	0.116275	0.01192	0.341765
0.191528	3.09E-05	0.256021	2.00E-08	0.237257	2.13E-07	0.187361	4.62E-05	0.363679

0.030377	0.51257	0.160754	0.00049	0.095932	0.03824	0.155856	0.00073	0.334247
0.049771	0.28312	0.087848	0.05783	0.096898	0.03632	0.057273	0.21669	0.159483
0.078665	0.0895	0.239636	1.59E-07	0.135634	0.00332	0.238332	1.87E-07	0.484604
0.193502	2.55E-05	0.20952	4.96E-06	0.18252	7.28E-05	0.171727	0.00019	0.307837
0.091059	0.04923	0.288887	1.99E-10	0.154756	0.00079	0.306759	1.24E-11	0.604398
0.108532	0.01897	0.283726	4.27E-10	0.190054	3.57E-05	0.269445	3.28E-09	0.560225
0.127213	0.00591	0.234076	3.12E-07	0.17923	9.84E-05	0.201496	1.15E-05	0.439301
0.189166	3.89E-05	0.322479	9.21E-13	0.191893	2.99E-05	0.338064	5.99E-14	0.577034
0.027038	0.56	0.078471	0.0903	0.07828	0.09108	0.063331	0.17184	0.20746
0.072707	0.11663	0.111943	0.01551	0.099588	0.03142	0.080527	0.08215	0.299844
0.001007	0.98269	0.058459	0.20731	0.033984	0.46377	0.055224	0.23361	0.182163
0.145274	0.00165	0.273139	1.96E-09	0.191786	3.02E-05	0.255203	2.23E-08	0.555384
0.168131	0.00026	0.227744	6.56E-07	0.206646	6.72E-06	0.168006	0.00027	0.401645
0.059071	0.20258	0.142895	0.00196	0.133034	0.00398	0.094364	0.04152	0.295406
-0.02845	0.53964	0.067366	0.14607	0.039422	0.39534	0.062345	0.17863	0.208981
0.033195	0.47422	0.167944	0.00027	0.113242	0.01435	0.163877	0.00038	0.255652
0.054597	0.23897	0.11	0.01741	0.106857	0.02091	0.087008	0.06027	0.202242
0.114299	0.01345	0.194046	2.42E-05	0.137222	0.00296	0.182599	7.22E-05	0.429042
-0.12381	0.00739	-0.22921	5.53E-07	-0.18122	8.20E-05	-0.21007	4.68E-06	-0.42081
-0.02067	0.65598	0.123482	0.00755	0.052829	0.25455	0.134362	0.00363	0.2411
0.064241	0.16576	0.157173	0.00065	0.116835	0.01151	0.135229	0.00341	0.295605
0.022331	0.63028	0.127911	0.00564	0.073679	0.11181	0.130533	0.00472	0.25062
0.121789	0.00842	0.21182	3.88E-06	0.164277	0.00036	0.180613	8.67E-05	0.43415
0.12061	0.00908	0.259012	1.35E-08	0.200348	1.29E-05	0.220472	1.50E-06	0.471772
0.029721	0.52172	0.142265	0.00206	0.079267	0.08707	0.138933	0.00262	0.377329
0.053348	0.2499	0.212306	3.68E-06	0.134462	0.0036	0.203268	9.55E-06	0.397143
0.081619	0.07807	0.181373	8.09E-05	0.124433	0.0071	0.166314	0.00031	0.354209
0.205832	7.32E-06	0.190112	3.55E-05	0.192911	2.70E-05	0.126855	0.00605	0.347448
0.174138	0.00016	0.316723	2.43E-12	0.205101	7.90E-06	0.304656	1.74E-11	0.507072
0.192439	2.83E-05	0.226571	7.51E-07	0.211049	4.21E-06	0.148315	0.00131	0.407173
0.007547	0.87078	0.157265	0.00065	0.089829	0.05239	0.148755	0.00126	0.357722
0.092183	0.04648	0.193762	2.49E-05	0.126605	0.00615	0.181329	8.12E-05	0.416276
-0.04438	0.33862	0.045796	0.32339	0.026128	0.57329	0.023181	0.61731	0.156554
0.026756	0.5641	0.125148	0.00677	0.090532	0.05056	0.099877	0.03093	0.255242
0.069425	0.13412	0.116812	0.01153	0.110825	0.01658	0.07828	0.09108	0.263725
-0.06356	0.1703	0.059749	0.19744	0.022891	0.62171	0.045184	0.3299	0.232657
0.007731	0.86766	0.10219	0.02723	0.06544	0.15798	0.084211	0.06904	0.257403
0.059952	0.19592	0.139295	0.00255	0.143063	0.00194	0.080647	0.08169	0.288729
0.120598	0.00909	0.188098	4.30E-05	0.165728	0.00032	0.131851	0.00432	0.385556
0.137836	0.00284	0.388275	2.98E-18	0.219798	1.62E-06	0.40582	6.09E-20	0.631843
0.20501	7.97E-06	0.15694	0.00067	0.199192	1.45E-05	0.071572	0.12246	0.293258
0.140153	0.0024	0.205719	7.40E-06	0.176366	0.00013	0.168517	0.00025	0.338125
0.075645	0.10254	0.229723	5.21E-07	0.147105	0.00143	0.207795	5.96E-06	0.515794
-0.01506	0.74549	0.104537	0.02387	0.04906	0.29006	0.105488	0.02262	0.340256
0.049669	0.28411	0.14385	0.00183	0.124912	0.00688	0.097541	0.0351	0.345552

0.088272	0.05663	0.199357	1.42E-05	0.134208	0.00366	0.192309	2.87E-05	0.439883
0.108094	0.01946	0.131509	0.00442	0.123022	0.00778	0.088969	0.05469	0.282682
0.068852	0.13736	0.107572	0.02006	0.133385	0.00388	0.033587	0.46902	0.200357
0.125418	0.00665	0.164051	0.00037	0.157183	0.00065	0.11931	0.00986	0.28099
0.070435	0.12853	0.257673	1.61E-08	0.139906	0.00244	0.264748	6.25E-09	0.52099
0.254843	2.34E-08	0.244349	8.92E-08	0.209364	5.04E-06	0.19589	2.01E-05	0.326884
-0.04022	0.38583	0.078695	0.08938	0.027949	0.54685	0.080808	0.08108	0.261105
0.168248	0.00026	0.187042	4.76E-05	0.163139	0.0004	0.152262	0.00096	0.281659
0.032979	0.47711	0.285016	3.53E-10	0.134315	0.00364	0.309834	7.55E-12	0.529012
0.012167	0.79314	0.190913	3.28E-05	0.099008	0.03243	0.181228	8.20E-05	0.460713
0.066129	0.15364	0.175288	0.00014	0.116127	0.01203	0.155494	0.00075	0.382936
0.049386	0.28686	0.189328	3.83E-05	0.113892	0.01379	0.186715	4.91E-05	0.292845
0.216743	2.27E-06	0.180823	8.51E-05	0.199104	1.46E-05	0.105646	0.02241	0.318673
0.139717	0.00248	0.12868	0.00535	0.146243	0.00153	0.075545	0.103	0.247321
0.080505	0.08223	0.220126	1.56E-06	0.148735	0.00127	0.190459	3.43E-05	0.400345
-0.04042	0.38349	0.076882	0.09703	0.031151	0.50187	0.096994	0.03614	0.181262
0.180664	8.63E-05	0.308971	8.68E-12	0.215506	2.60E-06	0.308488	9.39E-12	0.481328
0.092143	0.04658	0.235087	2.76E-07	0.144612	0.00173	0.237532	2.06E-07	0.435677
0.255572	2.13E-08	0.320968	1.19E-12	0.336003	8.68E-14	0.178997	0.0001	0.439893
0.075773	0.10196	0.217885	2.00E-06	0.161967	0.00044	0.186982	4.79E-05	0.433722
0.123701	0.00744	0.083114	0.07275	0.108061	0.0195	0.047467	0.30603	0.248605
0.006053	0.8962	0.180756	8.56E-05	0.072817	0.11608	0.195446	2.11E-05	0.420833
0.071381	0.12347	0.18263	7.20E-05	0.132765	0.00405	0.156413	0.00069	0.39105
-0.05243	0.25813	-0.07368	0.1118	-0.02663	0.56597	-0.11185	0.01559	0.015215
0.076851	0.09716	0.120036	0.00942	0.114438	0.01334	0.083259	0.07225	0.260779
0.165823	0.00032	0.194345	2.35E-05	0.175873	0.00013	0.15289	0.00092	0.327219
0.090514	0.05061	0.189208	3.87E-05	0.106352	0.02152	0.199722	1.37E-05	0.380372
0.038093	0.41148	0.081395	0.07889	0.058152	0.20971	0.068553	0.13908	0.196874
0.12912	0.0052	0.185586	5.46E-05	0.149002	0.00124	0.16487	0.00035	0.304417
0.141175	0.00223	0.350395	6.17E-15	0.205016	7.97E-06	0.348063	9.56E-15	0.64307
0.044289	0.33958	0.135827	0.00327	0.123901	0.00735	0.095809	0.03848	0.284877
0.086718	0.06114	0.164342	0.00036	0.12818	0.00554	0.133521	0.00384	0.347576
0.12421	0.0072	0.261247	1.00E-08	0.18531	5.61E-05	0.243658	9.72E-08	0.464416
0.042484	0.35965	0.214096	3.03E-06	0.12664	0.00614	0.217434	2.11E-06	0.38809
0.036744	0.42826	0.164458	0.00036	0.122361	0.00812	0.148465	0.00129	0.33855
-0.01604	0.72948	0.173691	0.00016	0.086938	0.06048	0.165903	0.00032	0.387702
0.044067	0.34201	0.15533	0.00076	0.11599	0.01213	0.143328	0.0019	0.287235
0.106192	0.02172	0.228981	5.68E-07	0.187718	4.46E-05	0.18252	7.28E-05	0.405254
0.143492	0.00188	0.292914	1.08E-10	0.195943	2.00E-05	0.274277	1.67E-09	0.504351
0.070479	0.12829	0.031491	0.49722	0.09847	0.03339	-0.01793	0.69915	0.052534
0.039867	0.39003	0.211429	4.05E-06	0.137175	0.00297	0.198015	1.63E-05	0.344368
0.051362	0.268	0.099903	0.03089	0.130459	0.00475	0.041565	0.37014	0.16738
0.082609	0.07451	0.064405	0.16467	0.083358	0.07191	0.031652	0.49503	0.149988
0.091648	0.04777	0.182489	7.30E-05	0.160424	0.0005	0.142899	0.00196	0.405994
0.160314	0.00051	0.156489	0.00069	0.156845	0.00067	0.101158	0.02883	0.26031

0.078923	0.08845	0.199063	1.47E-05	0.134685	0.00354	0.184903	5.82E-05	0.402059
0.181251	8.18E-05	0.239571	1.61E-07	0.175142	0.00014	0.213229	3.33E-06	0.425153
0.046564	0.31533	0.173907	0.00016	0.113898	0.01379	0.173462	0.00017	0.382988
0.176775	0.00012	0.120326	0.00925	0.142733	0.00199	0.071185	0.1245	0.284373
0.011146	0.81015	0.169561	0.00023	0.087061	0.06012	0.177492	0.00012	0.440152
0.094208	0.04186	0.232539	3.74E-07	0.155098	0.00077	0.212568	3.58E-06	0.311753
0.115115	0.0128	0.40507	7.23E-20	0.222103	1.25E-06	0.415498	6.45E-21	0.743061
0.000979	0.98316	0.155453	0.00075	0.087593	0.05856	0.154831	0.00079	0.361646
0.142546	0.00202	0.325049	5.93E-13	0.192621	2.78E-05	0.330161	2.44E-13	0.589211
-0.00764	0.86928	0.071511	0.12278	0.052141	0.26079	0.05885	0.20428	0.216582
0.106635	0.02118	0.361732	6.97E-16	0.199492	1.40E-05	0.37417	5.75E-17	0.696708
0.012712	0.7841	0.14908	0.00123	0.123565	0.00751	0.1123	0.01518	0.313562
0.072341	0.11848	0.179522	9.59E-05	0.159685	0.00053	0.130939	0.00459	0.315463
-0.10736	0.02031	-0.19516	2.17E-05	-0.14699	0.00145	-0.18667	4.93E-05	-0.29279
0.183197	6.83E-05	0.214693	2.84E-06	0.172022	0.00019	0.188765	4.04E-05	0.469406
-0.02186	0.63749	0.098623	0.03311	0.072556	0.11739	0.076625	0.09815	0.192533
0.094158	0.04197	0.181519	7.98E-05	0.149865	0.00116	0.13632	0.00316	0.390109
0.09157	0.04796	0.330655	2.24E-13	0.181918	7.69E-05	0.338856	5.19E-14	0.609778
0.018263	0.69384	0.109975	0.01743	0.091556	0.048	0.077525	0.09426	0.241827
-0.0002	0.9966	0.066359	0.15221	0.053715	0.24666	0.053126	0.25188	0.146243
0.192433	2.83E-05	0.301505	2.86E-11	0.218877	1.79E-06	0.273976	1.74E-09	0.502335
0.048188	0.29873	0.115046	0.01285	0.091317	0.04859	0.091039	0.04928	0.2599
0.103974	0.02464	0.250222	4.25E-08	0.168999	0.00024	0.22751	6.74E-07	0.49171
0.062787	0.17556	0.24093	1.36E-07	0.125735	0.00651	0.25537	2.18E-08	0.518896
0.010798	0.81597	0.113144	0.01443	0.067097	0.14769	0.109745	0.01767	0.287543
0.122109	0.00825	0.202859	9.96E-06	0.154438	0.00081	0.186146	5.18E-05	0.299329
0.053976	0.24436	0.178981	0.0001	0.1122	0.01527	0.169986	0.00022	0.393909
0.098338	0.03362	0.270871	2.69E-09	0.181405	8.07E-05	0.256402	1.91E-08	0.483758
0.113349	0.01425	0.184085	6.29E-05	0.158675	0.00058	0.153444	0.00088	0.310889
0.112307	0.01518	0.276427	1.23E-09	0.174797	0.00015	0.26399	6.93E-09	0.497894
0.019024	0.68177	0.19334	2.59E-05	0.113375	0.01423	0.194167	2.39E-05	0.328832
-0.03158	0.49598	0.087746	0.05812	0.017807	0.70112	0.104724	0.02362	0.288001
0.222719	1.17E-06	0.331672	1.87E-13	0.247113	6.30E-08	0.32168	1.05E-12	0.537583
0.000122	0.99791	0.071128	0.12481	0.105133	0.02308	0.017305	0.70916	0.080501
0.053697	0.24681	0.196963	1.81E-05	0.145604	0.00161	0.163346	0.00039	0.371153
0.020272	0.66215	0.118467	0.0104	0.110272	0.01713	0.069015	0.13643	0.253828
0.088826	0.05509	0.151935	0.00099	0.162334	0.00043	0.094035	0.04224	0.245432
0.051863	0.26335	0.069115	0.13587	0.078613	0.08971	0.032757	0.48008	0.199119
0.097013	0.0361	0.267171	4.49E-09	0.163029	0.0004	0.262884	8.05E-09	0.5444
0.273742	1.80E-09	0.389776	2.15E-18	0.316695	2.44E-12	0.338411	5.63E-14	0.587975
0.109759	0.01766	0.13441	0.00361	0.148878	0.00125	0.08517	0.06592	0.222315
0.095746	0.03861	0.188506	4.14E-05	0.155086	0.00077	0.146227	0.00153	0.276207
0.095342	0.03944	0.268084	3.96E-09	0.143555	0.00187	0.292553	1.14E-10	0.411025
0.004547	0.92193	0.198358	1.57E-05	0.088547	0.05586	0.200243	1.30E-05	0.457517
0.166321	0.00031	0.171378	0.0002	0.151657	0.00101	0.145445	0.00162	0.249462



0.041178	0.37462	0.116422	0.01181	0.101488	0.02831	0.103679	0.02506	0.237636
0.145798	0.00158	0.261374	9.86E-09	0.203412	9.41E-06	0.232809	3.63E-07	0.473857
0.164722	0.00035	0.287335	2.51E-10	0.225991	8.03E-07	0.244834	8.39E-08	0.398931
0.171426	0.0002	0.250983	3.85E-08	0.176145	0.00013	0.232589	3.72E-07	0.424861
0.044945	0.33246	0.215035	2.74E-06	0.093832	0.04269	0.237759	2.00E-07	0.476623
0.127768	0.00569	0.294396	8.63E-11	0.181971	7.65E-05	0.301597	2.82E-11	0.543054
0.162933	0.00041	0.167017	0.00029	0.172975	0.00017	0.119732	0.0096	0.260251
0.097118	0.0359	0.213424	3.26E-06	0.125479	0.00663	0.241387	1.29E-07	0.371274
0.096208	0.03768	0.183655	6.55E-05	0.122031	0.00829	0.189361	3.81E-05	0.34471
0.159596	0.00054	0.248851	5.06E-08	0.198453	1.56E-05	0.214914	2.78E-06	0.427592
0.116791	0.01155	0.223481	1.07E-06	0.150663	0.00109	0.225525	8.47E-07	0.357829
0.058374	0.20797	0.257711	1.60E-08	0.137012	0.00301	0.279751	7.63E-10	0.444316
0.193264	2.61E-05	0.359523	1.07E-15	0.240421	1.45E-07	0.353445	3.46E-15	0.614607
0.068113	0.14165	0.170606	0.00021	0.10141	0.02843	0.181123	8.28E-05	0.4138
0.133868	0.00375	0.160719	0.00049	0.158764	0.00057	0.124116	0.00724	0.307753
0.016071	0.72905	0.067572	0.14484	0.073562	0.11238	0.043845	0.34445	0.188142
0.090375	0.05097	0.16641	0.0003	0.155175	0.00077	0.115702	0.01235	0.291708
0.12262	0.00798	0.191802	3.01E-05	0.140358	0.00237	0.180051	9.13E-05	0.332765
-0.02388	0.60678	0.174883	0.00015	0.085638	0.06445	0.184461	6.07E-05	0.458749
0.275902	1.32E-09	0.425069	6.50E-22	0.304178	1.87E-11	0.394324	7.99E-19	0.639959
0.081809	0.07737	0.258693	1.41E-08	0.133707	0.0038	0.28314	4.66E-10	0.478096
0.022393	0.62932	0.251736	3.50E-08	0.115473	0.01252	0.2753	1.44E-09	0.448213
0.11838	0.01046	0.283471	4.44E-10	0.178334	0.00011	0.288044	2.25E-10	0.476783
0.153413	0.00088	0.226772	7.34E-07	0.184264	6.18E-05	0.202012	1.09E-05	0.307877
0.199986	1.34E-05	0.234008	3.14E-07	0.214873	2.79E-06	0.169727	0.00023	0.308943
0.063849	0.16836	0.195287	2.14E-05	0.114754	0.01309	0.212281	3.69E-06	0.401704
0.118973	0.01007	0.285153	3.46E-10	0.174323	0.00015	0.272583	2.12E-09	0.529736
0.269983	3.04E-09	0.304236	1.86E-11	0.209845	4.79E-06	0.318613	1.77E-12	0.356341
0.045837	0.32295	0.175597	0.00014	0.081104	0.07997	0.200656	1.25E-05	0.405719
0.132743	0.00406	0.284444	3.85E-10	0.166139	0.00031	0.296382	6.36E-11	0.542552
0.114474	0.01331	0.17621	0.00013	0.128409	0.00545	0.160537	0.0005	0.291437
0.145387	0.00163	0.236536	2.32E-07	0.213173	3.35E-06	0.181964	7.66E-05	0.334441
0.107165	0.02054	0.106524	0.02131	0.115155	0.01277	0.080261	0.08317	0.138151
0.155014	0.00078	0.308316	9.66E-12	0.208635	5.45E-06	0.292121	1.22E-10	0.623801
0.195417	2.11E-05	0.266466	4.94E-09	0.216643	2.30E-06	0.245361	7.86E-08	0.449684
0.138892	0.00263	0.249076	4.92E-08	0.18642	5.05E-05	0.226289	7.76E-07	0.381264
0.051273	0.26882	0.136986	0.00301	0.096415	0.03727	0.132398	0.00416	0.332625
0.171341	0.0002	0.181853	7.74E-05	0.191499	3.10E-05	0.116234	0.01195	0.303442
0.079924	0.08447	0.177797	0.00011	0.141447	0.00218	0.14591	0.00157	0.342211
0.081378	0.07895	0.222849	1.15E-06	0.150689	0.00109	0.218435	1.88E-06	0.331609
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0.055986	0.22721	0.131787	0.00433	0.081334	0.07912	0.140962	0.00226	0.215122
0.055429	0.23187	0.198517	1.55E-05	0.123305	0.00764	0.191536	3.09E-05	0.390459
0.109997	0.01741	0.157959	0.00061	0.112434	0.01506	0.146429	0.00151	0.386814
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0.284039	4.08E-10	0.292822	1.10E-10	0.369201	1.58E-16	0.134364	0.00363	0.193591
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0.331775	1.84E-13	0.209096	5.19E-06	0.268887	3.54E-09	0.118787	0.01019	0.109895
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0.231046	4.46E-07	0.220864	1.44E-06	0.280247	7.10E-10	0.094723	0.04075	0.15753
0.025973	0.57557	0.101423	0.02841	0.043949	0.34331	0.127502	0.00579	0.108669
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0.090373	0.05097	0.04393	0.34351	0.054916	0.23623	0.030533	0.5104	0.079689
0.148056	0.00133	-0.02279	0.62331	0.015651	0.73586	-0.02917	0.52949	-0.05741
0.059671	0.19803	-0.00405	0.93047	0.031618	0.49549	-0.02231	0.63059	-0.01545
0.187562	4.53E-05	0.087347	0.05928	0.08702	0.06024	0.065905	0.15504	0.111042
0.171323	0.0002	0.328498	3.27E-13	0.216501	2.33E-06	0.323299	8.01E-13	0.235161
0.024206	0.60183	-0.10177	0.02787	-0.08133	0.07913	-0.08156	0.07829	-0.10412
0.104337	0.02414	0.022018	0.63507	0.068658	0.13848	-0.04459	0.33632	-0.07841
0.231399	4.28E-07	0.367077	2.42E-16	0.286486	2.84E-10	0.336867	7.43E-14	0.210737
0.062466	0.17779	0.078145	0.09164	0.067381	0.14598	0.057801	0.21248	0.102496
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0.027125	0.55874	-0.03163	0.49528	0.02343	0.61354	-0.08997	0.05201	0.009627
0.018331	0.69276	-0.02893	0.53285	-0.03183	0.49264	-0.0306	0.50944	-0.07518
0.316722	2.43E-12	0.239333	1.65E-07	0.273468	1.87E-09	0.158465	0.00059	0.151016
0.191089	3.23E-05	0.184333	6.14E-05	0.160285	0.00051	0.161978	0.00044	0.280784
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0.060327	0.19313	0.034402	0.4583	0.050422	0.27686	-0.00436	0.92511	0.112926
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0.055066	0.23496	-0.11605	0.01208	-0.03173	0.49399	-0.14613	0.00154	-0.2095
0.040282	0.38511	0.080105	0.08377	0.022581	0.62645	0.098934	0.03256	0.155558
0.116954	0.01143	0.011893	0.7977	0.025373	0.58442	0.011526	0.80381	0.042019
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0.027961	0.54667	-0.0258	0.57819	-0.01288	0.78129	-0.01197	0.79634	-0.04728
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0.020492	0.65871	0.01305	0.7785	-0.00308	0.947	0.009738	0.83376	0.199056
0.08653	0.0617	0.196847	1.83E-05	0.080398	0.08264	0.233148	3.48E-07	0.303915
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0.075027	0.10539	0.082758	0.07399	0.047588	0.3048	0.086944	0.06046	0.284797
0.135813	0.00327	0.031011	0.5038	0.082807	0.07382	0.002659	0.9543	-0.00243
0.119104	0.00999	0.118095	0.01064	0.169876	0.00023	0.005988	0.89731	0.09553
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0.234755	2.88E-07	0.13824	0.00276	0.219689	1.64E-06	0.017648	0.70366	0.155073
0.14008	0.00241	0.177734	0.00011	0.280631	6.71E-10	-0.00651	0.88847	0.093137
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0.046447	0.31654	0.022787	0.6233	0.032942	0.4776	0.014396	0.75634	0.214736
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0.007773	0.86695	0.030684	0.50831	0.00811	0.86125	0.051347	0.26813	-0.00475
0.083631	0.07098	0.087924	0.05761	0.082565	0.07467	0.105686	0.02236	0.027035
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0.015383	0.74023	-0.00552	0.90535	-0.00068	0.98833	-0.01397	0.76338	-0.02927
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0.132949	0.004	0.147022	0.00144	0.146905	0.00146	0.103996	0.02461	0.143603
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0.192182	2.90E-05	0.131209	0.00451	0.089642	0.05288	0.148692	0.00127	0.122121
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0.050491	0.2762	0.142707	0.00199	0.066062	0.15406	0.183953	6.37E-05	0.20225
0.022966	0.62058	0.032873	0.47852	-0.01284	0.78197	0.064973	0.16097	0.096609
0.047088	0.3099	0.100938	0.02918	0.063325	0.17188	0.131368	0.00446	0.015496
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0.000605	0.9896	-0.01691	0.71544	-0.00899	0.84637	-0.00569	0.9024	-0.02366
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0.061432	0.18509	0.040701	0.38018	0.049541	0.28535	0.063313	0.17197	0.003234
0.093637	0.04312	0.155613	0.00074	0.076867	0.09709	0.212958	3.43E-06	0.106936
-0.03239	0.48504	-0.02114	0.64868	-0.02477	0.59334	-0.01697	0.71449	-0.01542
0.018541	0.68942	0.005019	0.91386	0.006333	0.89144	0.007019	0.87976	0.008296
-0.02303	0.61962	-0.0098	0.83277	-0.01725	0.71009	-0.00774	0.86743	-0.01773
-0.01159	0.80268	-0.00788	0.86519	-0.0091	0.84455	-0.0071	0.87835	-0.01
-0.06986	0.1317	-0.05397	0.24439	-0.05394	0.24466	-0.04045	0.38309	-0.05037
0.17633	0.00013	0.137462	0.00291	0.202246	1.06E-05	0.013825	0.76572	0.269051
-0.0027	0.95352	-0.00486	0.91652	-0.00185	0.96815	-0.00765	0.86897	0.018035
0.109119	0.01833	0.097141	0.03586	0.068937	0.13688	0.121542	0.00856	0.141145

0.122517	0.00804	0.203788	9.05E-06	0.174665	0.00015	0.178745	0.0001	0.226651
-0.00495	0.91506	0.017908	0.6995	-0.00528	0.90935	0.033494	0.47025	0.279293
0.166341	0.00031	0.036901	0.42628	0.055698	0.22962	0.028048	0.54544	0.118303
-0.04011	0.38716	-0.07627	0.09973	-0.08588	0.06369	-0.05943	0.19981	-0.07486
-0.01209	0.79444	-0.0267	0.56497	-0.02083	0.6535	-0.02551	0.58235	-0.02975
-0.00071	0.98785	0.01884	0.68469	-0.02441	0.59872	0.0579	0.21169	-0.0196
0.012661	0.78494	-0.09417	0.04194	-0.08289	0.07351	-0.06064	0.19083	-0.11329
0.041959	0.36562	0.104825	0.02348	0.044309	0.33936	0.123356	0.00761	0.214855
0.070376	0.12885	0.044724	0.33485	0.044613	0.33605	0.047453	0.30617	0.024345
0.107542	0.0201	0.122195	0.00821	0.072028	0.12009	0.118551	0.01034	0.170026
-0.06329	0.17214	-0.13609	0.00321	-0.10952	0.01791	-0.12638	0.00624	-0.20553
0.018445	0.69095	0.069556	0.13338	0.055394	0.23217	0.077675	0.09362	0.041832
0.047917	0.30146	-0.0183	0.69326	0.042518	0.35926	-0.03972	0.39174	-0.01898
0.007018	0.87978	-0.06397	0.16757	0.028848	0.53403	-0.11816	0.0106	-0.20134
0.00946	0.83843	-0.03221	0.48746	0.012999	0.77935	-0.05984	0.19672	-0.11486
0.00042	0.99278	0.092429	0.0459	0.028804	0.53465	0.115115	0.0128	0.077907
0.1106	0.0168	0.058641	0.20589	0.113467	0.01415	3.61E-05	0.99938	0.001306
0.051931	0.26272	0.006529	0.88809	-0.01188	0.79789	0.026636	0.56586	-0.00919
-0.08461	0.06771	-0.08193	0.07694	-0.079	0.08812	-0.05629	0.22466	-0.13874
0.104924	0.02335	0.148769	0.00126	0.087396	0.05913	0.165317	0.00033	0.210784
-0.12075	0.009	-0.07138	0.12347	-0.05532	0.23277	-0.06252	0.1774	-0.21181
0.013359	0.7734	0.023573	0.61137	0.028595	0.53763	0.008193	0.85983	-0.06366
-0.00962	0.83583	0.040998	0.37672	0.034782	0.45334	0.038372	0.40807	0.058738
0.007918	0.86449	-0.00624	0.89306	-0.01302	0.77899	-0.00148	0.97452	-0.00346
0.074149	0.10954	0.160181	0.00051	0.098441	0.03344	0.169985	0.00022	0.156375
0.022841	0.62248	0.107654	0.01997	0.053989	0.24424	0.110491	0.01691	0.155602
0.206569	6.77E-06	0.071826	0.12114	0.093584	0.04324	0.048508	0.29553	0.059793
-0.00242	0.95838	-0.03904	0.39994	0.002721	0.95324	-0.06163	0.18368	-0.08597
0.252874	3.02E-08	0.279177	8.28E-10	0.276727	1.18E-09	0.205786	7.35E-06	0.401857
-0.01517	0.74368	-0.01235	0.79004	-0.0013	0.97771	-0.0166	0.72048	-0.09776
0.022867	0.62209	0.06992	0.13135	0.025016	0.58972	0.072534	0.1175	0.154337
0.303002	2.26E-11	0.314549	3.49E-12	0.284041	4.08E-10	0.257723	1.60E-08	0.299124
0.079468	0.08627	-0.02317	0.61745	0.003713	0.93621	-0.01438	0.75664	-0.09966
0.085319	0.06545	-0.00129	0.97789	0.033263	0.47331	-0.00675	0.88427	-0.08313
0.011669	0.80143	0.045492	0.32661	0.004963	0.91482	0.07875	0.08915	0.015733
-0.06835	0.14026	-0.22166	1.31E-06	-0.15543	0.00075	-0.20747	6.17E-06	-0.30952
0.082378	0.07533	0.044554	0.33669	0.062461	0.17782	0.024984	0.5902	0.039711
0.360161	9.48E-16	0.206369	6.92E-06	0.252112	3.33E-08	0.114433	0.01335	0.116734
-0.0998	0.03106	-0.17348	0.00016	-0.10661	0.02121	-0.18324	6.80E-05	-0.22757
-0.06442	0.16456	-0.16263	0.00042	-0.07465	0.10715	-0.18003	9.15E-05	-0.31234
0.017617	0.70415	-0.01692	0.71537	0.023139	0.61794	-0.02806	0.54533	-0.06132
0.182156	7.52E-05	0.267225	4.46E-09	0.24547	7.75E-08	0.210986	4.24E-06	0.131834
0.026425	0.56893	0.044817	0.33384	0.022356	0.6299	0.041135	0.37512	0.068766
0.095229	0.03968	0.097014	0.0361	0.090318	0.05111	0.077612	0.09388	0.129148
-0.04637	0.31739	-0.05098	0.27161	-0.03826	0.40938	-0.03652	0.43111	-0.01595

0.03042	0.51197	0.023744	0.60878	0.049199	0.28869	-0.00454	0.92211	-0.01971
0.021223	0.64734	0.120361	0.00923	0.064117	0.16658	0.120638	0.00907	0.13657
0.024765	0.59346	-0.12159	0.00853	-0.05387	0.24527	-0.13075	0.00465	-0.25084
0.030047	0.51716	0.061408	0.18526	0.02235	0.62999	0.068206	0.1411	0.263577
0.275845	1.34E-09	0.065376	0.15839	0.155981	0.00072	-0.01264	0.78534	0.022637
0.101186	0.02879	0.132035	0.00426	0.168501	0.00025	0.05086	0.2727	0.116275
0.086271	0.06249	0.021035	0.65026	0.02048	0.6589	0.017361	0.70827	0.067188
0.056504	0.22294	0.090878	0.04968	0.067385	0.14596	0.095492	0.03913	0.195258
0.04269	0.35731	0.029626	0.52305	0.031683	0.4946	0.020074	0.66525	0.097312
0.312865	4.60E-12	0.375354	4.51E-17	0.343717	2.14E-14	0.283675	4.31E-10	0.288893
-0.05065	0.27466	-0.04727	0.30807	-0.0285	0.53903	-0.05381	0.24585	-0.03771
0.07542	0.10357	0.117153	0.01129	0.093719	0.04294	0.092011	0.04689	0.288775
0.130019	0.00489	0.116805	0.01153	0.113259	0.01433	0.100181	0.03042	0.095429
-0.06572	0.15621	-0.1973	1.75E-05	-0.15867	0.00058	-0.16398	0.00037	-0.29107
-0.0294	0.52627	-0.07686	0.09714	-0.02723	0.55727	-0.09803	0.03419	-0.14859
-0.02824	0.54264	-0.14121	0.00222	-0.05249	0.25764	-0.17332	0.00017	-0.18793
0.017405	0.70755	0.020418	0.65987	0.015046	0.74571	0.003484	0.94015	0.019255
0.035288	0.44679	0.040558	0.38185	0.034312	0.45948	0.041385	0.37222	0.034882
-0.10355	0.02523	-0.01648	0.72249	-0.06461	0.16331	0.032688	0.48101	-0.08605
0.168876	0.00025	0.266081	5.21E-09	0.13558	0.00333	0.289869	1.71E-10	0.309404
0.127841	0.00566	0.140629	0.00232	0.158163	0.0006	0.076152	0.10025	0.051994
-0.02169	0.64013	-0.01352	0.77067	-0.01807	0.69691	-0.01342	0.77232	-0.01788
0.021183	0.64796	0.001939	0.96667	0.003518	0.93955	-0.00659	0.88698	-0.04793
0.096728	0.03665	-0.00522	0.91035	0.078859	0.08871	-0.04806	0.30003	-0.03742
0.006938	0.88114	-0.02211	0.63373	-0.01728	0.70954	-0.00642	0.88994	-0.0312
-0.05593	0.22766	-0.04141	0.37197	-0.04082	0.37882	-0.04362	0.34689	-0.01559
0.038256	0.40949	0.018597	0.68854	0.023525	0.6121	0.024922	0.59112	0.024818
0.06275	0.17582	0.023469	0.61294	0.017228	0.71039	0.039597	0.39324	-0.01132
0.026162	0.5728	0.045915	0.32213	0.06019	0.19415	0.0106	0.81929	0.01392
0.049588	0.28489	-0.00238	0.95902	0.01715	0.71164	-0.01675	0.71814	-0.03557
-0.0238	0.6079	-0.05613	0.22599	-0.03193	0.49123	-0.06685	0.1492	-0.072
0.169686	0.00023	0.152418	0.00095	0.237283	2.12E-07	0.017715	0.70258	0.045789
0.109353	0.01808	-0.00639	0.89043	0.007496	0.87165	0.012174	0.79303	-0.01427
-0.03799	0.41277	0.040268	0.38528	0.002614	0.95507	0.049085	0.28982	0.116392
0.04412	0.34143	0.219187	1.73E-06	0.08084	0.08096	0.293269	1.02E-10	0.1575
0.043294	0.35055	-0.04083	0.37865	0.033571	0.46923	-0.09225	0.04632	-0.08649
-0.00396	0.93192	0.036934	0.42587	-0.00341	0.94145	0.048603	0.29458	0.024672
0.061482	0.18473	0.115891	0.0122	0.080643	0.08171	0.112439	0.01506	0.138197
0.013946	0.76374	-0.06987	0.13164	-0.05676	0.22088	-0.06637	0.15216	-0.07317
-0.0363	0.43382	0.029876	0.51955	0.000456	0.99215	0.040736	0.37977	0.068627
0.042206	0.36281	0.063533	0.17048	0.070361	0.12893	0.046047	0.32074	0.065192
-0.01085	0.81516	0.017936	0.69906	0.028583	0.53779	0.001312	0.97744	0.037756
0.090832	0.0498	-0.06405	0.16702	-0.01096	0.81318	-0.08135	0.07906	-0.07323
-0.03776	0.4156	-0.02303	0.61964	-0.03449	0.45717	-0.00698	0.88049	0.062372
0.11616	0.012	0.139472	0.00252	0.119977	0.00945	0.125588	0.00658	0.200622

0.070009	0.13086	-0.0144	0.75631	0.009975	0.82977	-0.02414	0.60289	-0.01217
-0.05563	0.23015	-0.07185	0.12101	-0.05178	0.26411	-0.08012	0.08371	-0.17444
0.02975	0.52132	0.071629	0.12216	0.051393	0.2677	0.067573	0.14484	0.120594
-0.01563	0.73614	0.047354	0.30718	0.007417	0.87299	0.072981	0.11526	0.161301
0.055382	0.23227	0.014125	0.7608	0.042159	0.36333	-0.00601	0.89699	-0.00407
0.234866	2.84E-07	0.271759	2.38E-09	0.360527	8.82E-16	0.087004	0.06029	0.217955
0.057259	0.2168	0.120687	0.00904	0.084087	0.06945	0.14558	0.00161	0.082122
0.113803	0.01387	0.066719	0.14999	0.074305	0.10879	0.0474	0.30671	0.088786
0.063473	0.17088	0.08879	0.05518	0.064889	0.16152	0.078476	0.09028	0.07414
-0.01673	0.71842	-0.11085	0.01656	-0.03861	0.40517	-0.14379	0.00184	-0.16744
0.0564	0.22379	0.018168	0.69536	0.001884	0.96762	0.02182	0.63813	0.04375
0.061853	0.18209	0.122196	0.00821	0.039619	0.39299	0.150293	0.00112	0.201493
0.071161	0.12463	0.013893	0.7646	0.0589	0.2039	-0.04166	0.36902	0.131733
0.046582	0.31514	-0.04969	0.28391	0.023651	0.61019	-0.08989	0.05222	-0.03736
-0.07607	0.1006	-0.10711	0.02061	-0.06895	0.13683	-0.10236	0.02698	-0.18604
-0.01495	0.74723	-0.01809	0.69653	-0.0438	0.34497	-0.00138	0.97628	-0.04103
0.012178	0.79295	0.031857	0.49222	0.032483	0.48376	0.008018	0.86281	-0.00765
0.018827	0.6849	0.136373	0.00315	0.045542	0.32608	0.163306	0.00039	0.07896
0.008114	0.86117	0.062265	0.17919	0.047734	0.30331	0.049188	0.2888	0.037687
0.035936	0.43849	0.09746	0.03525	0.100898	0.02925	0.052374	0.25866	0.025931
0.012557	0.78666	0.121116	0.00879	0.057685	0.2134	0.13345	0.00386	0.227835
-0.17278	0.00018	-0.19929	1.43E-05	-0.18067	8.63E-05	-0.16751	0.00028	-0.29882
0.159785	0.00053	0.084821	0.06704	0.150884	0.00107	0.005878	0.89918	0.031626
0.043859	0.34429	-0.04184	0.36696	-0.01588	0.73217	-0.03889	0.40175	-0.04991
0.02777	0.54942	0.007498	0.87162	0.016534	0.72157	0.005446	0.90657	-0.01508
-0.03811	0.41125	-0.0409	0.37782	-0.05766	0.21359	-0.02508	0.58881	-0.02411
0.011015	0.81234	0.062253	0.17927	0.112765	0.01476	-0.02788	0.54785	0.098134
0.201936	1.09E-05	0.205699	7.42E-06	0.123704	0.00744	0.233397	3.38E-07	0.265396
0.058747	0.20508	0.006496	0.88865	0.031321	0.49955	0.011587	0.80279	0.088532
0.024024	0.60456	0.056996	0.21893	0.05566	0.22993	0.049274	0.28796	0.012192
0.02448	0.59772	0.042146	0.36348	0.024785	0.59317	0.045183	0.32991	0.016079
0.208686	5.42E-06	0.077718	0.09344	0.106878	0.02088	0.057531	0.21462	0.164552
0.296771	5.99E-11	0.225996	8.03E-07	0.279857	7.51E-10	0.110059	0.01735	0.069354
0.004097	0.92964	-0.00537	0.90779	0.008487	0.85486	0.002111	0.96371	0.01442
-0.07256	0.11736	-0.12575	0.00651	-0.12132	0.00868	-0.09725	0.03564	-0.18192
0.12574	0.00651	0.142089	0.00208	0.069563	0.13334	0.16493	0.00034	0.130308
-0.04166	0.3691	0.00914	0.84384	0.000802	0.9862	-0.0012	0.97943	0.081786
-0.02849	0.53916	-0.02895	0.53259	-0.03596	0.43823	-0.02511	0.5883	-0.03292
0.058138	0.20982	0.128845	0.00529	0.06235	0.17859	0.146053	0.00155	0.250723
0.001667	0.97134	-0.0378	0.41507	0.022362	0.62979	-0.08531	0.06549	-0.16486
0.012775	0.78306	-0.07234	0.1185	-0.02257	0.62657	-0.09503	0.04009	-0.22386
-0.12047	0.00916	-0.13534	0.00339	-0.09002	0.05187	-0.13732	0.00294	-0.23882
0.128505	0.00542	0.098532	0.03327	0.12109	0.00881	0.067535	0.14506	0.095094
0.130504	0.00473	0.137241	0.00296	0.174659	0.00015	0.044443	0.3379	0.16004
0.174433	0.00015	0.156171	0.00071	0.122087	0.00826	0.139962	0.00243	0.191079

-0.02791	0.54735	-0.04111	0.3754	-0.01532	0.7413	-0.06736	0.14613	0.011119
0.0886	0.05571	0.115888	0.01221	0.148772	0.00126	0.063853	0.16833	0.251741
0.177673	0.00011	0.253995	2.61E-08	0.204623	8.30E-06	0.224061	1.00E-06	0.149593
0.105403	0.02273	0.157004	0.00066	0.092375	0.04603	0.174201	0.00015	0.317139
0.221817	1.29E-06	0.130952	0.00459	0.153165	0.0009	0.08319	0.07249	0.061352
0.070546	0.12793	0.045476	0.32678	0.045647	0.32496	0.041121	0.37528	-0.00595
0.109191	0.01826	0.140425	0.00235	0.114213	0.01353	0.131574	0.0044	0.252708
-0.04053	0.38219	0.024925	0.59107	-0.01475	0.75062	0.041554	0.37026	0.065919
0.001951	0.96646	-0.03796	0.41311	-0.00047	0.99186	-0.0809	0.08074	-0.09384
-0.05873	0.20522	-0.05097	0.27169	-0.04931	0.28757	-0.05905	0.20277	-0.07526
0.132802	0.00404	0.070725	0.12696	0.08436	0.06855	0.048104	0.29957	0.082378
0.151312	0.00104	0.240685	1.40E-07	0.176612	0.00012	0.210541	4.45E-06	0.342448
0.012756	0.78337	0.040439	0.38326	0.014068	0.76174	0.042135	0.36361	0.14616
0.014316	0.75766	0.02948	0.52511	0.003954	0.93209	0.041011	0.37656	0.045286
0.020186	0.66349	0.019364	0.6764	0.029778	0.52092	0.015094	0.74493	0.027655
-0.0706	0.12766	0.049563	0.28514	0.001778	0.96943	0.073885	0.11081	0.047838
0.017821	0.7009	-0.0005	0.99146	0.02206	0.63444	-0.01556	0.73727	-0.05575
0.068146	0.14145	0.062758	0.17576	0.053393	0.24951	0.05056	0.27554	0.051213
0.083461	0.07156	0.112312	0.01517	0.07701	0.09647	0.109342	0.0181	0.193167
-0.01259	0.7862	0.008351	0.85716	-0.00227	0.96106	0.024829	0.59251	-0.0132
0.05023	0.27869	0.096599	0.03691	0.067634	0.14447	0.09032	0.05111	0.114921
0.254882	2.33E-08	0.162061	0.00044	0.227966	6.40E-07	0.067005	0.14825	0.048295
-0.02013	0.66434	-0.05135	0.26812	-0.0159	0.73179	-0.05612	0.2261	-0.07236
0.137612	0.00288	0.191945	2.97E-05	0.216962	2.22E-06	0.092076	0.04674	0.248443
0.052077	0.26137	0.008664	0.85187	0.028785	0.53493	0.005014	0.91395	-0.04216
0.038155	0.41071	-0.07336	0.11338	-0.02282	0.62283	-0.0942	0.04188	-0.05891
0.017001	0.71403	0.029609	0.52329	0.012755	0.78339	0.034839	0.4526	0.010209
0.038989	0.40056	0.230078	5.00E-07	0.072177	0.11932	0.308878	8.82E-12	0.163017
0.021712	0.63978	0.207809	5.95E-06	0.053718	0.24663	0.287867	2.31E-10	0.146734
0.054267	0.24182	0.21862	1.85E-06	0.077144	0.09589	0.298405	4.65E-11	0.152803
0.177529	0.00011	0.164768	0.00035	0.187247	4.67E-05	0.1023	0.02706	0.18338
0.137297	0.00295	0.039365	0.39602	0.099757	0.03113	-0.0177	0.7028	0.03793
0.044974	0.33215	0.15297	0.00091	0.105562	0.02252	0.142161	0.00207	0.238277
0.136983	0.00301	0.102328	0.02702	0.076435	0.09899	0.09167	0.04772	0.060656
0.001364	0.97655	-0.02947	0.52528	-0.00561	0.90385	-0.03607	0.43684	-0.10232
0.296008	6.73E-11	0.209475	4.99E-06	0.291592	1.32E-10	0.067892	0.14294	0.066581
0.070636	0.12744	0.032612	0.48202	0.046494	0.31606	0.014365	0.75685	-0.04546
0.071331	0.12373	0.112924	0.01462	0.06183	0.18225	0.114291	0.01346	0.154946
-0.02345	0.61324	0.025105	0.5884	0.006244	0.89294	0.02779	0.54914	0.086163
-0.01843	0.69112	-0.09362	0.04317	-0.02292	0.6212	-0.1054	0.02273	-0.11311
-0.02493	0.59096	-0.14144	0.00219	-0.06033	0.1931	-0.18046	8.80E-05	-0.19028
0.069325	0.13467	0.139756	0.00247	0.09792	0.03439	0.144919	0.00169	0.282294
0.175653	0.00014	0.11662	0.01167	0.148054	0.00133	0.08096	0.08051	0.049771
0.10499	0.02327	0.022832	0.62262	0.045927	0.322	0.02158	0.64182	0.092463
0.050443	0.27666	0.039806	0.39075	0.033132	0.47507	0.030266	0.51411	0.161274

-0.00295	0.94933	0.052325	0.25911	0.014379	0.75663	0.060322	0.19317	0.272707
0.226678	7.42E-07	0.175268	0.00014	0.209356	5.05E-06	0.09076	0.04998	0.138511
0.016061	0.72922	0.0508	0.27327	0.024371	0.59935	0.04653	0.31568	0.201337
0.006428	0.88981	0.006507	0.88847	0.00906	0.84519	0.019137	0.67999	0.011849
0.196504	1.90E-05	0.209672	4.88E-06	0.202983	9.83E-06	0.149553	0.00119	0.305194
0.022285	0.63097	-0.0371	0.42379	-0.00911	0.84438	-0.03915	0.39861	0.004663
-0.01162	0.80228	-0.00253	0.95645	-0.01878	0.68564	0.017661	0.70345	-0.03399
0.253773	2.69E-08	0.205369	7.68E-06	0.159818	0.00053	0.198398	1.57E-05	0.295373
0.117081	0.01134	0.319473	1.53E-12	0.204138	8.73E-06	0.321925	1.01E-12	0.316404
0.095122	0.0399	0.098931	0.03256	0.087902	0.05767	0.094751	0.04069	0.090391
0.091638	0.0478	-0.00487	0.91636	0.040042	0.38794	-0.03547	0.44442	0.034036
0.072215	0.11913	0.151781	0.001	0.030149	0.51574	0.217414	2.11E-06	0.14932
-0.01168	0.80119	0.038702	0.40404	0.006102	0.89537	0.044013	0.3426	-0.02064
0.337648	6.46E-14	0.173786	0.00016	0.18937	3.81E-05	0.111699	0.01574	0.064204
-0.09818	0.03392	-0.0696	0.13312	-0.08067	0.08161	-0.05073	0.27392	-0.04724
-0.02818	0.54354	-0.10927	0.01817	-0.05796	0.21125	-0.12821	0.00553	-0.12811
-0.09264	0.04541	-0.1069	0.02086	-0.08641	0.06207	-0.09412	0.04204	-0.15735
0.097415	0.03533	0.102871	0.02622	0.094306	0.04164	0.110831	0.01657	0.066847
-0.0395	0.39436	-0.00339	0.94172	-0.03008	0.5167	0.005772	0.90099	0.01373
-0.06303	0.17387	-0.02157	0.64192	-0.03246	0.48401	0.001363	0.97656	0.018958
0.037905	0.4138	0.021805	0.63836	-0.00132	0.97738	0.039098	0.39925	0.06052
0.039024	0.40014	0.017617	0.70416	0.015652	0.73584	0.027607	0.55177	0.020427
0.175009	0.00014	0.159219	0.00055	0.184208	6.22E-05	0.095509	0.0391	0.171098
-0.00705	0.87931	0.015847	0.73267	0.03938	0.39585	-0.02627	0.57117	-0.02834
-0.09792	0.03438	-0.05523	0.2336	-0.05874	0.20513	-0.04381	0.34482	0.020693
-0.05501	0.23547	-0.03525	0.44728	-0.03853	0.40619	-0.02999	0.51803	0.009586
-0.02626	0.57135	-0.00409	0.92971	-0.01603	0.72977	-0.0073	0.87502	0.000256
0.054859	0.23672	-0.04825	0.2981	-0.03979	0.39091	-0.02966	0.52255	-0.07016
0.023784	0.60818	-0.05612	0.22613	-0.04186	0.3668	-0.05669	0.22143	-0.10591
-0.06996	0.13112	-0.05757	0.21434	-0.05802	0.21078	-0.04163	0.36943	-0.05833
0.166101	0.00031	0.131943	0.00429	0.186057	5.23E-05	0.046793	0.31295	0.148402
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0.048501	0.2956	-0.07534	0.10395	-0.02457	0.59632	-0.08967	0.0528	-0.04724
0.037537	0.41834	-0.11608	0.01206	-0.03134	0.49931	-0.1402	0.00239	-0.2476
-0.01273	0.78376	-0.13262	0.00409	-0.06436	0.16499	-0.13734	0.00294	-0.17921
0.182651	7.19E-05	0.110352	0.01705	0.145835	0.00158	0.057059	0.21841	0.101634
0.053699	0.24679	0.08857	0.05579	0.045875	0.32255	0.108247	0.01929	0.105136
0.078573	0.08988	0.068758	0.1379	0.114529	0.01327	-0.00459	0.9212	0.001713
0.173168	0.00017	0.102282	0.02709	0.076683	0.0979	0.096255	0.03759	0.060826
0.013938	0.76386	-0.04627	0.31837	0.003926	0.93256	-0.07754	0.09421	-0.08231
0.211096	4.19E-06	0.047208	0.30867	0.129336	0.00512	-0.02414	0.60285	0.013273
0.134898	0.00349	0.15236	0.00096	0.160937	0.00048	0.09412	0.04205	0.120958
0.112555	0.01495	0.106882	0.02088	0.098193	0.03389	0.077389	0.09484	0.105702
0.123792	0.0074	0.162089	0.00044	0.153956	0.00084	0.149213	0.00122	0.048637
0.049042	0.29024	0.092813	0.045	0.087264	0.05952	0.07835	0.09079	0.070181



0.134959	0.00348	0.053861	0.24537	0.05503	0.23525	0.043392	0.34946	-0.00861
0.199577	1.39E-05	0.179439	9.66E-05	0.210544	4.45E-06	0.107953	0.01962	0.04181
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-0.01967	0.67152	0.027965	0.54663	0.005533	0.90508	0.015452	0.7391	0.011454
0.121226	0.00873	0.088812	0.05512	0.108093	0.01947	0.047587	0.3048	0.067211
0.004656	0.92007	-0.00398	0.93157	0.037242	0.42201	-0.03814	0.41089	-0.06247
0.027527	0.55293	0.178178	0.00011	0.033142	0.47492	0.236184	2.42E-07	0.363853
0.023244	0.61635	0.009599	0.8361	0.011729	0.80043	0.013929	0.76402	0.026724
0.002838	0.95123	-0.01336	0.77343	-0.00899	0.84636	-0.01055	0.82015	-0.00798
0.160392	0.0005	0.14089	0.00228	0.128145	0.00555	0.108671	0.01882	0.089388
0.025081	0.58875	0.055085	0.23479	0.033251	0.47348	0.054317	0.24139	0.054803
0.152098	0.00098	0.180567	8.71E-05	0.172165	0.00019	0.131087	0.00455	0.062643
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-0.00799	0.86331	-0.04269	0.3573	-0.01749	0.70614	-0.03783	0.41475	-0.02139
-0.01685	0.7164	-0.02945	0.52547	-0.01456	0.7536	-0.01951	0.67417	0.000248
-0.0507	0.27425	-0.00864	0.85222	-0.00636	0.89095	-0.01104	0.81185	0.054799
0.032456	0.48413	-0.01175	0.8001	-0.03543	0.44502	0.015914	0.73159	-0.07633
-0.01801	0.69792	-0.18106	8.32E-05	-0.07359	0.11226	-0.224	1.01E-06	-0.26526
-0.03326	0.47332	-0.00896	0.84695	-0.01444	0.75567	-0.01344	0.77203	0.002293
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0.012997	0.77937	0.044454	0.33778	0.055068	0.23493	0.020218	0.663	-0.01076
0.149504	0.00119	0.163234	0.0004	0.168367	0.00026	0.111767	0.01567	0.071563
0.052705	0.25566	0.058256	0.20889	0.059595	0.1986	0.057405	0.21563	0.092767
0.036813	0.42739	0.019738	0.67052	0.070081	0.13047	-0.02247	0.62814	-0.04059
0.044528	0.33697	-0.02278	0.62336	0.020558	0.65768	-0.05284	0.25444	-0.05061
-0.01148	0.80458	0.048672	0.2939	0.012978	0.77969	0.051825	0.2637	0.263465
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0.028091	0.54482	-0.02276	0.62366	0.014177	0.75993	-0.0417	0.36854	0.036398
0.056878	0.21988	0.101327	0.02856	0.092202	0.04644	0.091273	0.04869	0.169369
0.28969	1.76E-10	0.172806	0.00017	0.238955	1.73E-07	0.054283	0.24169	0.057384
0.072727	0.11653	-0.02407	0.60394	0.0663	0.15258	-0.08416	0.06919	-0.12875
0.004005	0.93121	0.046141	0.31975	0.042165	0.36327	0.030158	0.51561	0.11331
0.012968	0.77987	0.060527	0.19166	0.049582	0.28495	0.027754	0.54966	0.175564
0.078515	0.09012	-0.01714	0.71187	-0.00113	0.9806	-0.00303	0.94796	0.066306
-0.13864	0.00268	-0.00042	0.9928	-0.0291	0.53046	0.018871	0.6842	0.032352
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0.05293	0.25364	-0.14436	0.00176	-0.08248	0.07498	-0.13871	0.00266	-0.31675
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0.20618	7.06E-06	0.133018	0.00398	0.192499	2.81E-05	0.067497	0.14529	0.041934
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0.01861	0.68833	0.079494	0.08616	0.046818	0.31269	0.064023	0.1672	0.137383
0.19406	2.41E-05	0.143264	0.00191	0.233102	3.50E-07	0.006538	0.88795	0.058973
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0.025672	0.58	0.042271	0.36206	0.036324	0.43356	0.051351	0.2681	0.012981
0.066319	0.15246	0.119737	0.0096	0.075311	0.10407	0.107583	0.02005	0.190437
0.080539	0.0821	0.036971	0.42541	0.035838	0.43974	0.017821	0.7009	-0.02449
0.002057	0.96464	0.041683	0.36878	0.034803	0.45307	0.020811	0.65373	0.166882
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-0.02101	0.65068	-0.01716	0.71145	-0.02921	0.52896	-0.01189	0.79772	-0.02013
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0.07113	0.12479	0.055131	0.2344	0.042929	0.35463	0.058667	0.20569	0.105115
0.141874	0.00212	0.209006	5.24E-06	0.193952	2.44E-05	0.169001	0.00024	0.104616
-0.0515	0.26668	-0.09832	0.03365	-0.05537	0.23236	-0.10283	0.02628	-0.19456
0.162695	0.00042	0.088573	0.05578	0.130127	0.00485	0.031068	0.50302	0.139866
0.019942	0.66731	0.083138	0.07267	0.034597	0.45575	0.100079	0.03059	0.060359
0.163737	0.00038	-0.07077	0.12672	0.005926	0.89838	-0.11151	0.01592	-0.20918
-0.02938	0.52655	0.015898	0.73185	-0.026	0.5752	0.056994	0.21894	-0.0012
0.001979	0.96597	0.014548	0.75386	0.026203	0.57219	0.003618	0.93786	-0.00575
0.023744	0.60878	-0.03204	0.48973	0.032106	0.48886	-0.06475	0.16241	-0.13668
0.297481	5.36E-11	0.172219	0.00018	0.153359	0.00088	0.170823	0.00021	0.239313
0.047994	0.30068	0.147371	0.0014	0.058171	0.20956	0.202739	1.01E-05	0.100383
0.202823	9.99E-06	0.126607	0.00615	0.206477	6.84E-06	0.028627	0.53716	-0.00057
0.034694	0.45449	0.001391	0.97608	0.039747	0.39146	-0.02489	0.59154	-0.03161
-0.05988	0.19648	-0.0531	0.25213	-0.05172	0.26464	-0.0453	0.32865	-0.06753
0.08515	0.06599	0.006803	0.88343	0.045876	0.32254	-0.00151	0.97409	-0.01194
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0.189087	3.92E-05	0.133889	0.00375	0.162892	0.00041	0.073528	0.11255	0.090378
0.033829	0.46582	-0.0031	0.94665	0.032872	0.47854	-0.0169	0.71562	-0.03239
-0.03249	0.4836	-0.05776	0.21283	-0.04861	0.29453	-0.05983	0.19684	-0.0287
0.023291	0.61563	-0.00094	0.98391	-0.0158	0.7335	0.014617	0.75273	0.062862
0.051365	0.26797	-0.02043	0.65962	-0.01879	0.68549	-0.00864	0.85221	-0.0863
0.05228	0.25952	0.023294	0.61559	0.015757	0.73414	0.037295	0.42135	0.050596
0.028111	0.54453	0.028184	0.54349	0.029084	0.53069	0.001645	0.97173	0.04262
0.111165	0.01625	0.134325	0.00364	0.124843	0.00691	0.103601	0.02517	0.230904
0.11446	0.01332	0.114462	0.01332	0.113929	0.01376	0.103627	0.02513	0.054635
0.227739	6.57E-07	0.144966	0.00168	0.197849	1.66E-05	0.062393	0.17829	0.039263
-0.00867	0.85169	0.011801	0.79922	0.010644	0.81855	0.004189	0.92807	0.086964
-0.12644	0.00622	-0.20801	5.82E-06	-0.07997	0.0843	-0.25696	1.77E-08	-0.32773
0.012649	0.78515	0.064709	0.16269	0.040958	0.37718	0.059048	0.20276	0.107267
0.053828	0.24566	-0.01638	0.72411	0.013392	0.77285	-0.03567	0.44186	-0.04959
-0.02121	0.64757	0.151882	0.00099	0.045158	0.33017	0.172149	0.00019	0.19193
0.146619	0.00149	0.061354	0.18565	0.132635	0.00409	-0.02807	0.54508	0.023147
0.026037	0.57462	0.066458	0.1516	0.035836	0.43976	0.097051	0.03603	0.046468
0.09308	0.04438	0.118024	0.01069	0.125352	0.00668	0.091409	0.04836	0.034911
0.049172	0.28896	0.007273	0.87544	0.036321	0.43359	-0.02609	0.57378	-0.00401
0.086141	0.06289	0.182492	7.29E-05	0.088971	0.05469	0.235666	2.58E-07	0.208509
0.078425	0.09049	0.0536	0.24766	0.072989	0.11521	0.025696	0.57965	-0.00101

0.217808	2.02E-06	0.161818	0.00045	0.171385	0.0002	0.109432	0.018	0.270452
0.04728	0.30794	0.115098	0.01281	0.072802	0.11615	0.117677	0.01093	0.111179
-0.0779	0.09268	-0.09211	0.04666	-0.10561	0.02246	-0.05438	0.24082	-0.10044
0.069698	0.13258	0.013595	0.76951	0.029797	0.52065	-0.01197	0.79645	0.005666
0.246321	6.96E-08	0.131698	0.00436	0.213222	3.34E-06	0.036651	0.42943	0.00053
0.152263	0.00096	0.083141	0.07265	0.096866	0.03638	0.042048	0.3646	0.019646
0.106168	0.02175	0.136652	0.00309	0.054211	0.24231	0.181991	7.64E-05	0.14191
0.22517	8.82E-07	0.194292	2.36E-05	0.233604	3.30E-07	0.088302	0.05654	0.115133
0.186933	4.81E-05	0.051181	0.26968	0.133816	0.00377	-0.01887	0.6842	-0.1586
0.298544	4.55E-11	0.115681	0.01236	0.154225	0.00083	0.064583	0.16351	0.093462
-0.02638	0.56961	-0.21233	3.67E-06	-0.11829	0.01052	-0.2072	6.34E-06	-0.33287
-0.00075	0.98719	-0.01421	0.75933	0.008531	0.85412	-0.02344	0.61344	0.006739
0.024283	0.60067	0.012144	0.79351	0.024881	0.59174	-0.00431	0.92606	0.008417
-0.16811	0.00026	-0.13083	0.00463	-0.13045	0.00475	-0.09692	0.03628	-0.29441
-0.03445	0.45767	-0.09543	0.03927	-0.0682	0.14111	-0.08429	0.06876	-0.19683
0.12425	0.00718	0.034157	0.4615	0.066645	0.15045	0.015642	0.736	0.003344
-0.02793	0.54719	-0.0297	0.52198	-0.01368	0.76817	-0.03381	0.46607	-0.00801
-0.13342	0.00387	-0.15659	0.00068	-0.15879	0.00057	-0.10168	0.02801	-0.22828
0.059844	0.19673	0.07738	0.09488	0.05358	0.24785	0.070647	0.12738	0.080537
0.058898	0.20391	-0.00096	0.98345	0.007997	0.86316	-0.00233	0.95999	0.110001
0.048846	0.29217	0.184222	6.21E-05	0.068706	0.1382	0.249429	4.70E-08	0.115347
0.020063	0.66542	0.011305	0.8075	-0.03397	0.4639	0.046046	0.32074	0.089426
0.043715	0.34588	0.023161	0.6176	0.067765	0.1437	-0.0186	0.6885	-0.04257
0.085953	0.06346	-0.00159	0.97266	0.058224	0.20914	-0.03818	0.41038	0.044419
0.034921	0.45154	0.062468	0.17778	0.050738	0.27385	0.040336	0.38447	0.070953
-0.12151	0.00858	-0.05812	0.20993	-0.05559	0.23055	-0.05181	0.26383	-0.12992
0.018884	0.68399	0.010446	0.82187	0.021283	0.64642	0.020542	0.65793	0.006728
0.184046	6.31E-05	0.232712	3.67E-07	0.127105	0.00595	0.273715	1.81E-09	0.205929
0.33303	1.47E-13	0.334964	1.05E-13	0.366501	2.71E-16	0.200494	1.27E-05	0.175861
0.081021	0.08028	0.015728	0.73461	0.033704	0.46747	0.018027	0.69761	0.000271
0.160533	0.0005	0.096895	0.03633	0.089928	0.05213	0.068555	0.13907	0.119094
0.106654	0.02115	0.118462	0.0104	0.100111	0.03054	0.094976	0.04021	0.10785
-0.02444	0.59838	-0.04372	0.34584	-0.0378	0.4151	-0.04823	0.29831	-0.11403
0.025774	0.57849	0.017465	0.70659	0.015811	0.73327	0.029602	0.52338	0.065264
0.027119	0.55883	-0.00481	0.91752	-0.00345	0.94081	0.006553	0.88768	-0.00018
0.308414	9.50E-12	0.222869	1.15E-06	0.321257	1.13E-12	0.054729	0.23783	0.065032
0.018029	0.69757	-0.00974	0.8338	-0.03289	0.47824	-0.00915	0.84362	-0.02303
0.046437	0.31665	-0.04082	0.37881	-0.01618	0.72721	-0.03267	0.48129	-0.05574
0.019219	0.6787	0.043222	0.35135	0.046662	0.31431	0.03124	0.50066	0.010534
-0.02092	0.65208	-0.06263	0.17667	-0.02154	0.64237	-0.09022	0.05137	-0.08265
-0.06339	0.17144	0.003514	0.93964	-0.04543	0.32727	0.017868	0.70014	0.039913
0.042551	0.35889	0.071328	0.12375	0.025251	0.58623	0.070171	0.12997	0.131285
0.023579	0.61127	0.046996	0.31086	0.031941	0.49109	0.046916	0.31168	0.032277
-0.1477	0.00137	-0.16327	0.0004	-0.12547	0.00663	-0.16731	0.00028	-0.25728
-0.06847	0.13958	-0.11967	0.00964	-0.07861	0.08974	-0.11162	0.01581	-0.1648

-0.00037	0.99369	-0.03507	0.44961	0.002255	0.96123	-0.03681	0.42742	0.026092
-0.01353	0.77055	-0.01919	0.67914	0.001234	0.97879	-0.01699	0.71427	-0.02145
0.100616	0.0297	0.035239	0.44743	0.063649	0.1697	0.01122	0.80892	-0.00389
0.032796	0.47956	-0.06905	0.13621	-0.03162	0.49539	-0.07641	0.09909	-0.08226
0.010261	0.82498	-0.03952	0.3942	0.002805	0.9518	-0.03963	0.39287	-0.06217
0.060928	0.18872	0.111468	0.01596	0.108547	0.01896	0.079309	0.0869	0.103956
0.170203	0.00022	0.201054	1.20E-05	0.188583	4.11E-05	0.148283	0.00131	0.089275
0.07568	0.10238	0.075532	0.10306	0.063854	0.16832	0.081359	0.07902	0.079221
-0.032	0.4903	0.017857	0.70032	0.005758	0.90124	0.014218	0.75926	0.0255
0.000851	0.98537	0.000206	0.99646	0.022661	0.62522	-0.00289	0.95026	0.035965
-0.11343	0.01418	-0.14192	0.00211	-0.08453	0.06798	-0.15152	0.00102	-0.21187
0.078045	0.09206	-0.06564	0.15673	-0.02111	0.64917	-0.06831	0.14051	-0.1007
-0.03812	0.41119	-0.04163	0.36939	-0.05474	0.23778	-0.05086	0.27267	-0.03495
0.060957	0.18851	0.101929	0.02763	0.062534	0.17731	0.097798	0.03462	0.123503
0.026029	0.57475	0.028301	0.54182	0.039469	0.39478	0.004779	0.91797	0.098471
0.066237	0.15297	-0.12731	0.00587	-0.04989	0.28196	-0.13053	0.00472	-0.25322
0.009795	0.83281	0.013857	0.7652	0.06026	0.19363	-0.03442	0.45807	-0.05225
0.007659	0.86889	0.051297	0.2686	0.035959	0.43819	0.038265	0.40937	0.049283
0.05942	0.19992	0.031401	0.49845	0.064036	0.16711	-0.00477	0.91811	0.016607
0.108384	0.01914	0.135087	0.00345	0.128001	0.0056	0.111059	0.01635	0.11581
0.005963	0.89774	0.08408	0.06947	0.04636	0.31745	0.081504	0.07849	0.109577
0.197049	1.80E-05	0.184592	6.00E-05	0.184696	5.94E-05	0.125808	0.00648	0.245421
0.169683	0.00023	0.16593	0.00032	0.161097	0.00047	0.115756	0.01231	0.114195
-0.04807	0.29987	-0.03044	0.51169	-0.00217	0.96262	-0.06216	0.17992	-0.05514
-0.06948	0.13383	-0.19235	2.85E-05	-0.12165	0.0085	-0.19651	1.90E-05	-0.31558
0.008784	0.84985	-0.00914	0.84385	0.005884	0.89909	-0.01974	0.6705	-0.00392
0.026847	0.56279	0.035852	0.43956	0.009301	0.84112	0.045628	0.32516	0.037452
0.045196	0.32977	0.064256	0.16566	0.055039	0.23519	0.04772	0.30345	0.070388
-0.06638	0.15209	-0.05323	0.25099	-0.04899	0.2907	-0.04213	0.36371	-0.09811
-0.04744	0.30632	0.020907	0.65225	0.0208	0.65392	0.000417	0.99282	-0.07529
-0.06562	0.15683	-0.05252	0.25732	-0.06922	0.13526	-0.03275	0.48023	-0.06406
0.275896	1.33E-09	0.117326	0.01117	0.179519	9.59E-05	0.029463	0.52534	0.021019
-0.01712	0.71216	0.074736	0.10675	0.025814	0.57791	0.091449	0.04826	0.061622
0.050491	0.2762	0.034835	0.45265	0.058315	0.20843	-0.00098	0.9832	0.007189
0.16587	0.00032	0.223763	1.04E-06	0.184438	6.08E-05	0.193551	2.54E-05	0.311787
0.024388	0.5991	0.093046	0.04446	0.062943	0.1745	0.082987	0.07319	0.252932
-0.01815	0.69569	-0.03932	0.39659	-0.05456	0.23929	-0.02004	0.6658	-0.05407
0.004491	0.9229	-0.09221	0.04642	-0.03495	0.45113	-0.0996	0.0314	-0.1237
0.096504	0.03709	0.082306	0.07558	0.121957	0.00833	0.032638	0.48167	0.029293
-0.05119	0.26964	-0.00702	0.87967	-0.02068	0.65574	-0.00786	0.86553	0.118705
0.216742	2.27E-06	0.226979	7.17E-07	0.219007	1.77E-06	0.188365	4.20E-05	0.105911
-0.10973	0.01768	-0.05823	0.20913	-0.06656	0.15096	-0.04074	0.37977	-0.0907
-0.00714	0.87777	0.012818	0.78235	0.024303	0.60038	-0.01353	0.7706	0.077835
-0.00039	0.99333	-0.08185	0.07724	-0.00331	0.9432	-0.11424	0.0135	-0.25033
-0.06488	0.16157	-0.17513	0.00014	-0.16244	0.00042	-0.13195	0.00429	-0.31553

0.008302	0.85799	-0.01163	0.80213	0.016283	0.72562	-0.02779	0.5492	-0.01262
-0.0919	0.04717	-0.08938	0.05357	-0.06999	0.13097	-0.08474	0.06732	-0.24881
0.034745	0.45382	0.025493	0.58265	0.027306	0.55611	0.010951	0.81342	0.098888
-0.01101	0.81245	-0.0845	0.06809	-0.00717	0.87726	-0.12066	0.00905	-0.08764
-0.00062	0.98937	0.022808	0.62299	0.030633	0.50902	0.004933	0.91534	0.142145
0.019666	0.67165	0.050794	0.27332	0.053168	0.25151	0.024298	0.60045	0.002441
0.075444	0.10346	0.006	0.89711	0.025037	0.58942	-0.00671	0.885	-0.00249
0.009785	0.83297	0.042949	0.35441	0.003813	0.93451	0.077963	0.09241	0.096934
-0.037	0.42508	-0.01129	0.80776	-0.02709	0.55926	0.018046	0.6973	0.015942
0.067787	0.14357	0.100455	0.02997	0.069623	0.13301	0.101523	0.02826	0.171905
0.09521	0.03972	0.09233	0.04613	0.099888	0.03091	0.063026	0.17392	0.067343
0.026864	0.56253	-0.09291	0.04478	-0.02275	0.6239	-0.10024	0.03032	-0.23174
0.066376	0.15211	0.024796	0.593	0.038186	0.41034	0.006513	0.88836	-0.01937
0.163027	0.0004	0.061955	0.18137	0.063261	0.17232	0.043121	0.35248	0.013707
0.044773	0.33433	0.013218	0.77572	0.011588	0.80277	-0.00128	0.97797	-0.03892
0.007242	0.87596	-0.02902	0.53157	-0.01485	0.74892	-0.02035	0.66087	-0.05013
0.025766	0.57861	0.00425	0.92702	0.000767	0.98681	0.01327	0.77486	0.009011
0.103531	0.02526	0.140835	0.00228	0.102318	0.02704	0.159644	0.00053	0.040838
0.270229	2.94E-09	0.150784	0.00108	0.146358	0.00152	0.137057	0.003	0.07058
0.056088	0.22637	0.018629	0.68803	0.011495	0.80432	0.018309	0.69312	0.094267
0.216845	2.25E-06	0.195601	2.07E-05	0.227093	7.07E-07	0.105458	0.02265	0.255044
0.050134	0.27962	0.073796	0.11124	0.085453	0.06503	0.057931	0.21145	0.073361
0.022833	0.6226	0.018405	0.69158	0.054083	0.24342	-0.04286	0.35543	-0.02536
0.019753	0.67027	0.068662	0.13846	0.044689	0.33523	0.079135	0.0876	0.093288
0.047003	0.31079	0.006083	0.89569	0.052764	0.25513	-0.03979	0.39093	0.008905
-0.01493	0.74762	0.000292	0.99498	0.006788	0.88368	0.000716	0.98768	0.016717
-0.03325	0.47344	-0.08846	0.05611	-0.06074	0.19011	-0.09819	0.03389	-0.11785
0.200965	1.21E-05	0.121627	0.00851	0.119604	0.00968	0.090361	0.051	0.215669
0.169579	0.00023	0.248611	5.21E-08	0.151183	0.00105	0.296495	6.25E-11	0.199237
0.046317	0.3179	0.103777	0.02492	0.070647	0.12738	0.098014	0.03422	0.013521
0.176895	0.00012	0.122863	0.00786	0.173667	0.00016	0.032088	0.4891	0.106837
0.070803	0.12654	0.05798	0.21106	0.058065	0.21039	0.055518	0.23113	0.025391
0.245857	7.38E-08	0.339155	4.92E-14	0.300159	3.53E-11	0.277193	1.10E-09	0.171455
0.106062	0.02189	0.037136	0.42334	0.035289	0.44679	0.038677	0.40435	0.024734
0.051908	0.26293	-0.00035	0.994	0.051534	0.26639	-0.04649	0.31609	0.055595
0.113307	0.01429	0.147077	0.00144	0.091672	0.04771	0.160998	0.00048	0.145145
0.006283	0.89228	-0.00315	0.9458	-0.00471	0.91915	-0.00516	0.91143	-0.00051
0.050969	0.27168	0.088507	0.05597	0.060657	0.1907	0.082245	0.0758	0.134459
0.007415	0.87302	0.027912	0.54739	0.000962	0.98346	0.035359	0.44588	0.02169
0.03721	0.42241	0.04102	0.37646	0.078881	0.08862	-0.00495	0.91504	0.064156
0.262771	8.17E-09	0.233652	3.28E-07	0.211499	4.02E-06	0.191568	3.08E-05	0.161817
0.034761	0.45362	0.047868	0.30195	0.023298	0.61554	0.090118	0.05163	-0.00406
0.056699	0.22134	0.082068	0.07644	0.066383	0.15207	0.067084	0.14777	0.083816
0.019142	0.67991	0.087624	0.05847	0.052801	0.2548	0.095616	0.03888	0.065722
0.02771	0.55029	0.066946	0.14861	0.027988	0.5463	0.084648	0.0676	0.200549

0.137006	0.00301	0.141837	0.00212	0.132321	0.00418	0.104376	0.02409	0.101443
0.162503	0.00042	0.07905	0.08794	0.102294	0.02707	0.045317	0.32848	0.004858
0.021853	0.63761	-0.02663	0.56599	-0.01562	0.7364	0.005794	0.90063	0.028026
0.028872	0.53369	-0.07078	0.12666	0.033054	0.4761	-0.14031	0.00237	-0.23091
0.169859	0.00023	0.209998	4.72E-06	0.217787	2.02E-06	0.159593	0.00054	0.191199
0.081433	0.07875	0.116808	0.01153	0.075057	0.10525	0.12241	0.00809	0.143125
0.040954	0.37722	-0.02766	0.55094	0.045969	0.32156	-0.08303	0.07303	-0.11853
-0.01817	0.69532	0.025818	0.57785	-0.00612	0.89512	0.044998	0.33189	0.069912
-0.12982	0.00496	-0.18487	5.84E-05	-0.15476	0.00079	-0.15581	0.00073	-0.2685
-0.04765	0.30414	-0.04701	0.31071	-0.02826	0.54236	-0.05681	0.22047	-0.11285
0.134456	0.0036	0.068064	0.14193	0.0602	0.19408	0.066793	0.14954	0.135842
0.048767	0.29295	0.105832	0.02218	0.052302	0.25932	0.143268	0.00191	0.065625
0.250136	4.29E-08	0.276419	1.23E-09	0.278402	9.26E-10	0.181084	8.31E-05	0.247903
-0.14971	0.00118	-0.10177	0.02787	-0.11937	0.00982	-0.07938	0.08662	-0.02134
0.047862	0.30201	0.064259	0.16564	0.052327	0.2591	0.041934	0.3659	0.161591
0.063703	0.16933	0.033359	0.47204	0.067134	0.14747	0.010645	0.81853	-0.00486
0.054237	0.24209	0.001095	0.98116	0.00382	0.93439	-0.00307	0.94719	-0.15859
-0.03383	0.46577	-0.03847	0.40682	-0.04364	0.34671	-0.02086	0.65293	0.047618
0.046996	0.31085	0.019838	0.66894	0.049925	0.28163	0.004869	0.91643	-0.06119
0.243285	1.02E-07	0.304668	1.73E-11	0.314027	3.80E-12	0.194919	2.22E-05	0.173113
-0.00589	0.89899	-0.04578	0.32358	-0.02601	0.57503	-0.05283	0.25454	0.010834
-0.04907	0.28997	-0.06343	0.17116	-0.02517	0.58737	-0.08977	0.05254	-0.04723
-0.04857	0.29486	-0.00309	0.94695	-0.00756	0.87051	-0.00596	0.89782	-0.04948
0.28225	5.30E-10	0.157181	0.00065	0.139051	0.0026	0.162725	0.00041	0.079665
0.100159	0.03046	0.066591	0.15078	0.055649	0.23002	0.067627	0.14452	0.039262
0.089167	0.05415	0.120669	0.00905	0.119337	0.00985	0.089998	0.05194	0.112698
-0.015	0.74651	-0.0364	0.43255	0.000387	0.99334	-0.04819	0.29868	-0.07326
-0.00361	0.93798	-0.0365	0.43134	0.020609	0.65688	-0.0698	0.132	-0.11322
0.068886	0.13717	-0.05181	0.26379	0.030022	0.51751	-0.0817	0.07778	-0.23768
-0.11108	0.01633	-0.17588	0.00013	-0.13025	0.00482	-0.17158	0.00019	-0.22676
0.080139	0.08364	0.054549	0.23938	0.128866	0.00529	-0.03355	0.46953	-0.04092
0.056779	0.22069	2.62E-05	0.99955	0.034492	0.45711	-0.01204	0.79519	-0.01036
0.144337	0.00176	0.092772	0.0451	0.132008	0.00427	0.060455	0.19219	0.006209
-0.04459	0.33629	-0.02637	0.5698	-0.03135	0.49915	-0.00468	0.91968	0.015218
0.229158	5.57E-07	0.159731	0.00053	0.221608	1.32E-06	0.064174	0.1662	0.051572
0.167025	0.00029	0.130032	0.00489	0.133164	0.00394	0.105604	0.02247	0.172351
-0.08691	0.06055	-0.07562	0.10265	-0.08339	0.07179	-0.0491	0.28967	-0.08819
0.061089	0.18756	-0.01174	0.80018	0.004842	0.91689	-0.01319	0.77618	0.00475
0.264789	6.22E-09	0.183167	6.85E-05	0.139462	0.00252	0.211813	3.88E-06	0.171946
0.10903	0.01843	0.049489	0.28586	0.03693	0.42591	0.066509	0.15128	0.016438
0.293369	1.01E-10	0.309882	7.49E-12	0.322421	9.30E-13	0.195099	2.18E-05	0.226265
0.18372	6.51E-05	0.133276	0.00391	0.132984	0.00399	0.085943	0.0635	0.052895
0.03769	0.41645	0.059937	0.19603	0.036528	0.43098	0.052659	0.25607	0.163341
0.030964	0.50444	0.037983	0.41283	0.024035	0.6044	0.041338	0.37276	-0.00841
0.013768	0.76666	-0.00017	0.99703	0.016136	0.728	-7.73E-05	0.99867	-0.05544

0.151522	0.00102	0.27515	1.47E-09	0.196276	1.94E-05	0.262565	8.40E-09	0.312469
-0.04064	0.38094	-0.0408	0.37901	0.016474	0.72253	-0.0863	0.0624	-0.11502
0.084291	0.06877	0.027357	0.55538	0.009935	0.83045	0.041349	0.37264	0.025998
0.04936	0.28711	0.042254	0.36225	0.039492	0.39451	0.040138	0.38682	0.048402
0.049244	0.28825	0.003179	0.94537	0.030175	0.51537	-0.0391	0.39923	-0.00116
0.256339	1.92E-08	0.144051	0.0018	0.197478	1.72E-05	0.069387	0.13433	0.047202
-0.09856	0.03322	-0.04998	0.28108	-0.06257	0.17705	-0.02868	0.53642	-0.10531
-0.00151	0.97398	0.099478	0.03161	0.02259	0.62631	0.135519	0.00334	0.123961
-0.02075	0.65474	-0.00923	0.84225	-0.01636	0.72431	-0.00522	0.91037	-0.01717
-0.01373	0.7672	-0.02302	0.61972	0.009134	0.84393	-0.03768	0.4166	-0.07447
0.037088	0.42394	-0.00199	0.96574	0.002846	0.9511	-0.02253	0.62728	0.046316
-0.00199	0.96571	-0.05974	0.19751	-0.03001	0.51764	-0.07217	0.11936	-0.05839
0.064084	0.16679	-0.04465	0.33567	0.057924	0.21151	-0.12036	0.00923	-0.14373
0.038908	0.40155	0.108178	0.01937	0.077764	0.09324	0.087934	0.05758	0.191402
-0.02329	0.61562	-0.00477	0.91819	-0.01149	0.80433	-0.00401	0.93113	-0.00834
0.095858	0.03839	0.063962	0.16761	0.090096	0.05169	0.02049	0.65874	-0.02384
0.080062	0.08394	0.005079	0.91284	0.060834	0.18941	-0.02345	0.61327	-0.01901
-0.02616	0.57276	0.005617	0.90365	-0.01137	0.80639	0.010347	0.82353	0.11541
-0.0163	0.72534	-0.03273	0.48048	-0.00652	0.88817	-0.04878	0.29286	-0.06282
0.079496	0.08616	0.155175	0.00077	0.089621	0.05294	0.152481	0.00095	0.241861
0.035157	0.44848	0.043059	0.35317	0.061833	0.18223	0.018651	0.68769	0.01022
0.104313	0.02417	0.180037	9.15E-05	0.088031	0.05731	0.236304	2.39E-07	0.158898
0.066783	0.14961	0.020151	0.66404	0.09101	0.04935	-0.03328	0.47314	-0.03823
0.162627	0.00042	0.308468	9.42E-12	0.208737	5.39E-06	0.318389	1.84E-12	0.258227
0.019923	0.66761	0.104342	0.02414	0.068433	0.13978	0.092756	0.04513	0.115279
-0.0293	0.52768	0.094057	0.04219	0.036433	0.43218	0.082487	0.07494	0.249054
0.08755	0.05869	0.165625	0.00033	0.092137	0.04659	0.199208	1.44E-05	0.097807
0.098682	0.033	0.147617	0.00138	0.105311	0.02284	0.124974	0.00685	0.273099
-0.02574	0.57904	-0.064	0.16733	-0.05993	0.19609	-0.0536	0.24762	-0.03519
-0.03267	0.48119	-0.0715	0.12285	-0.05593	0.22765	-0.07565	0.10253	-0.07637
0.046825	0.31262	0.0336	0.46885	0.024682	0.59471	0.027529	0.5529	0.010675
0.005794	0.90063	0.116689	0.01162	0.042409	0.3605	0.140254	0.00238	0.178522
0.150373	0.00112	0.232704	3.67E-07	0.214143	3.02E-06	0.175323	0.00014	0.255381
0.037114	0.42362	0.092102	0.04668	0.070015	0.13083	0.083431	0.07166	0.151947
0.046448	0.31653	0.045698	0.32442	0.080736	0.08135	0.004417	0.92416	-0.0076
0.050411	0.27696	0.069336	0.13462	0.058824	0.20448	0.067597	0.14469	0.017441
0.029161	0.52959	0.00269	0.95377	0.042284	0.36191	-0.04218	0.36305	-5.53E-05
0.218493	1.87E-06	0.307818	1.05E-11	0.312998	4.50E-12	0.199193	1.45E-05	0.285936
0.137233	0.00296	0.113135	0.01444	0.132311	0.00418	0.074499	0.10787	0.100957
0.254423	2.47E-08	0.194424	2.33E-05	0.176313	0.00013	0.144611	0.00173	0.318259
-0.01991	0.6678	0.035499	0.44407	-0.01335	0.77363	0.052868	0.2542	0.126037
0.131955	0.00428	-0.07358	0.11229	0.017164	0.71142	-0.1193	0.00987	-0.17094
0.117178	0.01127	0.166766	0.0003	0.167354	0.00028	0.10683	0.02094	0.070986
-0.02246	0.62825	0.008287	0.85824	0.009384	0.83973	-0.00386	0.93373	0.067802
0.015565	0.73727	-0.06441	0.16465	0.024102	0.60339	-0.12172	0.00846	-0.11926

0.311565	5.69E-12	0.252007	3.38E-08	0.268757	3.61E-09	0.161841	0.00045	0.148713
0.018776	0.6857	0.014196	0.75963	0.008047	0.8623	0.031922	0.49135	0.062926
0.116745	0.01158	0.248235	5.47E-08	0.18312	6.88E-05	0.236721	2.27E-07	0.176565
0.19971	1.37E-05	0.117968	0.01073	0.185774	5.37E-05	0.008969	0.84671	0.089887
-0.02711	0.55901	-0.06748	0.14542	-0.04075	0.37962	-0.04787	0.30194	-0.11825
0.231942	4.02E-07	0.107325	0.02035	0.155443	0.00075	0.04272	0.35698	0.038517
0.116785	0.01155	0.174773	0.00015	0.131057	0.00456	0.171616	0.00019	0.198943
-0.02945	0.52556	-0.08007	0.08392	-0.01154	0.80359	-0.11631	0.0119	-0.24799
-0.03497	0.45084	-0.0217	0.63996	-0.01507	0.74526	-0.0258	0.57813	-0.00679
0.200329	1.29E-05	0.251883	3.43E-08	0.185068	5.74E-05	0.228586	5.95E-07	0.212959
0.011242	0.80854	-0.0032	0.94499	0.009344	0.84039	-0.01881	0.68516	-0.03439
-0.04029	0.38506	-0.02191	0.63678	-0.01704	0.71342	-0.02459	0.59614	-0.03949
0.17948	9.62E-05	0.139956	0.00243	0.12889	0.00528	0.116764	0.01156	0.153831
-0.00351	0.93966	-0.00317	0.94551	-0.00111	0.981	-0.00517	0.91135	0.033462
0.04015	0.38668	0.080321	0.08294	0.074005	0.11023	0.072894	0.11569	0.042776
-0.02266	0.6252	-0.04659	0.31506	-0.0218	0.63846	-0.06778	0.14358	-0.12867
0.065278	0.15901	-0.03921	0.39788	-0.00822	0.85941	-0.06269	0.17625	0.017901
-0.03591	0.43885	-0.02167	0.64039	-0.01182	0.79883	-0.04934	0.28733	0.037318
0.0763	0.09959	0.055223	0.23362	0.066319	0.15246	0.037184	0.42274	0.036885
0.078081	0.09191	0.041195	0.37442	0.078739	0.0892	-0.00877	0.85005	-0.00521
0.244793	8.43E-08	0.143213	0.00192	0.195174	2.16E-05	0.058707	0.20539	0.067418
0.231764	4.10E-07	0.144224	0.00178	0.171555	0.0002	0.093917	0.0425	0.152635
0.10451	0.02391	0.129214	0.00516	0.09555	0.03901	0.132305	0.00418	0.301832
0.253251	2.88E-08	0.226486	7.59E-07	0.268313	3.84E-09	0.120197	0.00932	0.10075
0.161925	0.00044	0.161857	0.00045	0.246052	7.20E-08	0.011297	0.80763	0.04248
0.231277	4.34E-07	0.138275	0.00275	0.113748	0.01391	0.116689	0.01162	0.175932
0.198286	1.59E-05	0.049468	0.28606	0.131219	0.00451	-0.02044	0.65959	-0.00367
-0.00817	0.86027	-0.08432	0.06867	-0.00902	0.84592	-0.12396	0.00732	-0.08997
0.213213	3.34E-06	0.154702	0.0008	0.169011	0.00024	0.07991	0.08453	0.120432
0.165819	0.00032	0.125389	0.00666	0.153985	0.00084	0.056762	0.22083	0.053955
0.041854	0.36682	0.009654	0.83517	0.020234	0.66275	-0.00051	0.99129	-0.03428
-0.01611	0.72847	-0.00616	0.89431	-0.01258	0.78625	-0.0014	0.9759	-0.01745
0.293901	9.30E-11	0.189802	3.66E-05	0.260571	1.10E-08	0.070032	0.13074	0.06958
0.144883	0.00169	0.124487	0.00707	0.1426	0.00201	0.080911	0.08069	0.149247
-0.00609	0.89563	0.045441	0.32715	0.011221	0.8089	0.035263	0.44712	0.065073
0.096604	0.0369	0.153536	0.00087	0.141708	0.00214	0.113385	0.01422	0.086003
0.146661	0.00148	0.209958	4.74E-06	0.206225	7.02E-06	0.134158	0.00368	0.299039
0.174353	0.00015	0.310326	6.97E-12	0.181791	7.78E-05	0.332819	1.53E-13	0.281617
0.105355	0.02279	0.129651	0.00501	0.135798	0.00328	0.083439	0.07163	0.159403
0.06246	0.17783	0.034336	0.45915	0.063281	0.17219	0.007518	0.87128	-0.01579
0.031076	0.50291	0.032033	0.48984	0.022141	0.63318	0.018527	0.68965	0.003696
0.018928	0.6833	0.029821	0.52032	0.023711	0.60929	0.013826	0.7657	0.042915
0.107808	0.01979	0.023807	0.60784	0.028958	0.53246	0.029972	0.5182	0.001961
0.163078	0.0004	0.112119	0.01535	0.22482	9.18E-07	-0.00826	0.85875	0.007948
0.105614	0.02245	0.082256	0.07576	0.117396	0.01112	0.049084	0.28983	0.008107



0.037531	0.41842	0.015866	0.73238	0.021021	0.65048	-0.00135	0.97683	0.03455
0.094483	0.04126	0.048791	0.29271	0.034632	0.4553	0.051965	0.26241	0.034103
0.139373	0.00254	0.057673	0.21349	0.107455	0.0202	-0.00133	0.97719	-0.02066
0.028916	0.53306	-0.01937	0.67626	-0.00126	0.97834	-0.01191	0.79739	-0.05747
0.021258	0.6468	0.1153	0.01266	0.057555	0.21443	0.134694	0.00354	0.260445
0.084616	0.06771	-0.00334	0.94263	0.026475	0.5682	-0.02513	0.588	0.016684
0.150961	0.00107	0.080278	0.0831	0.106414	0.02145	0.054981	0.23568	0.056778
0.052954	0.25342	0.024549	0.5967	0.046958	0.31125	-0.00986	0.83167	-0.05732
-0.07982	0.08488	-0.12264	0.00797	-0.11136	0.01606	-0.0937	0.04299	-0.12635
0.113533	0.01409	-0.01003	0.82889	0.065931	0.15488	-0.06416	0.1663	0.011665
0.116386	0.01184	0.062196	0.17967	0.120102	0.00938	-0.02105	0.65008	0.060006
0.019878	0.66832	0.047491	0.30579	0.018363	0.69225	0.051634	0.26547	-0.00668
0.068428	0.13981	0.078489	0.09022	0.076259	0.09977	0.060393	0.19264	0.128167
0.062243	0.17934	-0.02437	0.59933	-0.0106	0.81921	-0.01914	0.68	-0.0169
0.041188	0.3745	0.027527	0.55292	0.044432	0.33803	0.003567	0.93872	-0.01413
0.01515	0.74402	0.05998	0.19571	0.022893	0.62169	0.094724	0.04074	0.165162
0.052663	0.25605	0.024	0.60492	0.03564	0.44227	0.017966	0.69858	0.047591
-0.04361	0.34707	-0.09257	0.04557	-0.07092	0.1259	-0.09936	0.03181	-0.16699
0.197653	1.69E-05	0.088198	0.05684	0.118755	0.01021	0.063136	0.17317	0.100763
-0.02395	0.60565	0.040835	0.37861	0.025368	0.5845	0.02647	0.56828	0.08828
0.263543	7.36E-09	0.166998	0.00029	0.190917	3.28E-05	0.102317	0.02704	0.138998
0.103681	0.02505	0.074088	0.10983	0.092038	0.04683	0.028316	0.5416	0.002855
0.05198	0.26227	0.047428	0.30643	0.066379	0.15209	0.03526	0.44715	0.045861
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0.10798	0.01959	0.107263	0.02042	0.100464	0.02995	0.087281	0.05947	0.037934
-0.01134	0.80696	-0.03652	0.43111	-0.03627	0.43422	-0.04055	0.38193	-0.01079
0.029481	0.52509	0.010035	0.82877	0.010716	0.81735	0.000638	0.98904	0.016793
0.109732	0.01769	0.143458	0.00188	0.126172	0.00633	0.134281	0.00365	0.119409
0.092497	0.04574	0.003573	0.93861	0.015052	0.74562	-0.00983	0.83219	0.110378
0.107967	0.01961	0.107623	0.02	0.113667	0.01398	0.086018	0.06327	0.0824
0.167586	0.00028	0.236364	2.37E-07	0.197831	1.66E-05	0.208346	5.62E-06	0.258908
0.266719	4.78E-09	0.224567	9.45E-07	0.258867	1.38E-08	0.128195	0.00553	0.328525
0.003484	0.94014	0.030827	0.50634	0.025044	0.58931	0.030251	0.51432	0.0153
0.062348	0.17861	-0.02045	0.65936	0.007191	0.87683	-0.02551	0.58238	-0.05815
-0.08516	0.06594	-0.06109	0.18755	-0.09093	0.04954	-0.02472	0.59406	-0.13016
-0.05966	0.19811	-0.02799	0.54629	-0.01712	0.71217	-0.0434	0.34941	-0.05978
0.0253	0.5855	-0.05051	0.27606	-0.00963	0.83561	-0.05494	0.23602	-0.14144
0.238428	1.85E-07	0.131512	0.00442	0.094071	0.04216	0.131591	0.00439	0.144393
0.046604	0.31491	-0.04194	0.36586	0.015981	0.73051	-0.07277	0.11632	-0.08582
0.161266	0.00047	0.027775	0.54935	0.069128	0.13579	-0.00149	0.97432	-0.04867
-0.07085	0.1263	-0.143	0.00195	-0.06781	0.14343	-0.15621	0.00071	-0.23424
-0.05876	0.205	0.015762	0.73407	-0.025	0.58992	0.026853	0.56269	0.058099
-0.01197	0.79642	0.117267	0.01121	0.020314	0.66149	0.162319	0.00043	0.231805
0.290649	1.52E-10	0.145249	0.00165	0.267542	4.27E-09	-0.00393	0.93241	0.040623
-0.07435	0.10859	-0.02027	0.66216	-0.05462	0.23876	0.02388	0.60673	0.039266

0.044954	0.33237	0.106323	0.02156	0.063281	0.17219	0.126399	0.00623	0.089429
0.019718	0.67083	-0.00344	0.94089	0.045709	0.3243	-0.03146	0.49771	-0.02603
0.259316	1.30E-08	0.202884	9.93E-06	0.259211	1.32E-08	0.105008	0.02324	0.053512
0.15042	0.00111	0.05005	0.28043	0.087807	0.05795	0.001147	0.98028	-0.0582
0.155943	0.00072	0.066851	0.14919	0.115956	0.01216	0.013887	0.7647	0.022269
-0.00807	0.86194	0.048621	0.29441	0.006019	0.89678	0.057913	0.21159	0.319331
-0.02377	0.60838	0.023161	0.6176	0.026382	0.56957	0.018646	0.68775	0.082592
0.017489	0.7062	0.066869	0.14908	0.042607	0.35825	0.067444	0.14561	0.093245
0.011418	0.80561	-0.00894	0.84714	0.025921	0.57633	-0.01313	0.7772	-0.04056
0.05868	0.20559	0.054426	0.24045	0.067652	0.14437	0.021397	0.64466	0.01071
0.297306	5.51E-11	0.200832	1.23E-05	0.269133	3.43E-09	0.08052	0.08217	0.047673
-0.03638	0.43286	0.011678	0.80127	0.015805	0.73336	0.005451	0.90648	-0.02376
-0.05428	0.24167	-0.08106	0.08014	-0.06888	0.13722	-0.07986	0.08471	-0.04073
0.030944	0.50472	-0.12121	0.00874	-0.02693	0.56151	-0.16432	0.00036	-0.16899
0.070191	0.12986	0.1013	0.02861	0.088819	0.05511	0.101041	0.02902	0.039461
0.043465	0.34865	0.02345	0.61323	0.039372	0.39594	0.001441	0.97522	-0.00431
0.01312	0.77735	0.034876	0.45212	0.056021	0.22692	-0.00057	0.99021	0.039674
0.013971	0.76332	-0.01269	0.78445	0.022374	0.62961	-0.04024	0.38557	-0.10412
0.151355	0.00103	0.115507	0.0125	0.156583	0.00068	0.042746	0.35669	0.004763
-0.01537	0.74046	-0.00973	0.83397	-0.01127	0.80801	-0.01457	0.75355	-0.01684
0.082867	0.07361	0.153902	0.00085	0.075255	0.10433	0.190428	3.44E-05	0.188495
0.222329	1.22E-06	0.248116	5.55E-08	0.188883	3.99E-05	0.236307	2.39E-07	0.303525
-0.02055	0.65785	-0.03068	0.50831	-0.00511	0.91228	-0.0321	0.48887	-0.03514
0.009314	0.8409	-0.08427	0.06883	-0.03136	0.49904	-0.09548	0.03916	-0.16641
0.114729	0.01311	0.096971	0.03618	0.111193	0.01622	0.061083	0.1876	0.115295
0.01535	0.74076	0.009283	0.84141	0.002237	0.96155	0.015503	0.73827	-0.03291
-0.02494	0.59085	-0.01579	0.73353	-0.00348	0.94017	-0.0216	0.64154	-0.04983
0.164495	0.00036	0.261144	1.02E-08	0.200215	1.30E-05	0.218654	1.84E-06	0.200553
0.013033	0.77879	0.016303	0.7253	0.030968	0.50439	-0.0104	0.8226	-0.01298
0.132361	0.00417	0.072567	0.11734	0.075515	0.10313	0.038045	0.41208	-0.03444
0.054778	0.23741	0.033837	0.46571	0.037614	0.41739	0.011894	0.79769	0.0059
0.097017	0.03609	0.046865	0.31221	0.055876	0.22813	0.030034	0.51734	0.088199
-0.04753	0.30541	-0.12775	0.0057	-0.08818	0.05689	-0.13737	0.00293	-0.20532
-0.0977	0.0348	-0.14166	0.00215	-0.06202	0.18092	-0.16571	0.00032	-0.21432
-0.07762	0.09383	0.015989	0.73037	-0.00785	0.86559	0.023173	0.61743	0.041702
-0.06367	0.16956	0.018995	0.68223	-0.02867	0.53659	0.037959	0.41313	0.075762
-0.0405	0.38258	0.092774	0.04509	0.057392	0.21573	0.080445	0.08246	0.129233
0.110992	0.01641	0.094125	0.04204	0.049956	0.28133	0.107172	0.02053	0.051671
0.027011	0.56039	0.051271	0.26884	0.020984	0.65105	0.065151	0.15983	0.071589
-0.08108	0.08005	-0.11899	0.01006	-0.04904	0.29024	-0.15266	0.00093	-0.22389
0.020617	0.65676	-0.03449	0.45718	0.029585	0.52362	-0.0525	0.25752	-0.13989
0.06019	0.19415	-0.02257	0.62666	0.038812	0.4027	-0.06236	0.17851	-0.05893
-0.03276	0.48009	-0.1652	0.00034	-0.08791	0.05766	-0.16971	0.00023	-0.25983
0.015571	0.73716	-0.03568	0.44181	-0.05225	0.25978	-0.01857	0.68892	-0.07852
0.056017	0.22696	0.145133	0.00166	0.095964	0.03817	0.141864	0.00212	0.192576

0.093561	0.04329	0.158604	0.00058	0.082074	0.07642	0.188039	4.33E-05	0.151051
0.067777	0.14362	0.064336	0.16513	0.070029	0.13075	0.051241	0.26912	0.012609
0.009147	0.84372	0.0077	0.8682	0.025283	0.58575	0.003002	0.94841	0.013289
0.051292	0.26864	0.102297	0.02707	0.075771	0.10197	0.108945	0.01852	0.148884
0.096804	0.0365	0.146471	0.0015	0.078281	0.09108	0.169839	0.00023	0.124668
0.083888	0.07012	0.168449	0.00026	0.133196	0.00393	0.123123	0.00773	0.213813
0.012752	0.78343	-0.01417	0.76012	-0.01029	0.82446	-0.00521	0.91063	0.063968
0.284287	3.93E-10	0.117864	0.0108	0.12446	0.00708	0.085739	0.06413	0.086084
0.09042	0.05085	0.022652	0.62537	0.041537	0.37047	0.007847	0.8657	-0.02041
0.144346	0.00176	0.295665	7.10E-11	0.165124	0.00034	0.336676	7.69E-14	0.266532
0.010023	0.82898	0.002822	0.95149	-0.00304	0.94771	-0.00273	0.95313	-0.06702
0.066786	0.14959	0.067361	0.1461	0.065472	0.15777	0.040672	0.38052	0.084545
0.054077	0.24348	0.071196	0.12444	0.041755	0.36795	0.079226	0.08723	0.135613
0.078172	0.09153	0.010581	0.8196	0.06255	0.1772	-0.00953	0.83734	-0.01223
0.070451	0.12844	0.12062	0.00908	0.11504	0.01286	0.096097	0.0379	0.188364
0.017339	0.70862	-0.18593	5.29E-05	-0.0926	0.04549	-0.18912	3.90E-05	-0.29654
-0.02335	0.61473	-0.05774	0.213	-0.02382	0.60763	-0.06595	0.15475	-0.02992
-0.19294	2.70E-05	-0.23913	1.70E-07	-0.20411	8.75E-06	-0.19499	2.20E-05	-0.30083
0.108765	0.01872	-0.02688	0.56226	0.006025	0.89668	-0.03895	0.401	-0.10287
0.03814	0.4109	-0.00073	0.98744	0.044314	0.33931	-0.03528	0.44694	0.10171
0.083146	0.07264	0.064917	0.16134	0.086459	0.06192	0.046312	0.31795	0.036936
0.05526	0.2333	-0.0127	0.78427	0.050732	0.27392	-0.06609	0.15388	-0.09532
0.02747	0.55374	0.123304	0.00764	0.064369	0.16492	0.140365	0.00236	0.232021
-0.04248	0.35968	-0.01959	0.67281	-0.02993	0.51883	0.002422	0.95837	-0.08303
0.103727	0.02499	0.024282	0.60069	0.022036	0.6348	0.024122	0.6031	0.153112
0.05488	0.23654	0.102325	0.02703	0.114075	0.01364	0.082548	0.07473	0.07459
0.032745	0.48025	0.062136	0.18009	0.03334	0.47229	0.079897	0.08458	0.04909
-0.02603	0.57475	-0.01304	0.77869	-0.01644	0.72315	-0.01629	0.72547	-0.00657
0.089842	0.05235	0.031193	0.50131	0.082776	0.07392	-0.02755	0.55252	0.019115
0.192921	2.70E-05	0.158239	0.0006	0.154063	0.00084	0.109669	0.01775	0.047003
-0.0712	0.12442	-0.03273	0.48046	-0.04487	0.33326	-0.01422	0.7593	-0.05372
-0.05801	0.21085	0.0242	0.60192	-0.01561	0.73657	0.039007	0.40035	0.028597
-0.02377	0.60847	0.032559	0.48273	0.010677	0.81799	0.039035	0.4	0.018406
-0.01984	0.66894	0.012608	0.78582	0.002248	0.96136	0.030019	0.51756	-0.00857
0.065056	0.16044	0.026387	0.56949	0.024072	0.60384	0.034464	0.45748	-0.0393
0.027975	0.54648	0.02329	0.61566	0.031029	0.50355	0.014753	0.7505	-0.00737
0.067824	0.14335	0.02722	0.55737	0.050941	0.27194	-0.00629	0.89224	-0.01608
0.282957	4.78E-10	0.149256	0.00122	0.223248	1.10E-06	0.050805	0.27322	0.029497
0.381198	1.34E-17	0.244474	8.78E-08	0.347853	9.94E-15	0.086345	0.06226	0.045383
0.127693	0.00572	0.137212	0.00297	0.142048	0.00209	0.096917	0.03629	0.141571
0.211999	3.81E-06	0.144478	0.00175	0.187695	4.47E-05	0.062587	0.17695	0.051989
0.031768	0.49344	0.035071	0.4496	0.04979	0.28294	0.021226	0.6473	0.031985
0.013451	0.77188	-0.03329	0.47292	0.005461	0.9063	-0.06319	0.17281	-0.02448
0.026168	0.5727	-0.02825	0.54258	-0.00874	0.85061	-0.03713	0.42338	-0.03371
0.055845	0.22839	0.150014	0.00115	0.07471	0.10687	0.176959	0.00012	0.239658

0.075698	0.1023	0.01525	0.74238	0.034676	0.45471	-0.00178	0.96947	-0.07626
0.126978	0.006	0.11171	0.01573	0.119501	0.00974	0.074661	0.1071	0.148604
0.023019	0.61977	0.060441	0.19229	0.082786	0.07389	0.022489	0.62785	-0.00991
0.009515	0.83752	0.049465	0.28609	0.025026	0.58957	0.065435	0.15801	0.011292
0.038126	0.41107	0.03587	0.43933	0.038397	0.40775	0.036495	0.43139	0.025667
-0.03896	0.40094	0.017798	0.70125	0.000756	0.987	0.009234	0.84226	0.028059
0.058891	0.20396	0.106237	0.02167	0.048128	0.29933	0.138058	0.00279	0.093165
0.024225	0.60154	0.004746	0.91852	0.003616	0.93788	0.00367	0.93696	0.003957
0.023528	0.61205	0.1665	0.0003	0.069187	0.13546	0.200238	1.30E-05	0.313456
0.119529	0.00973	0.288531	2.10E-10	0.202683	1.01E-05	0.283073	4.70E-10	0.186715
0.100205	0.03038	0.10764	0.01998	0.101298	0.02861	0.080331	0.0829	0.104608
0.063799	0.16869	0.029528	0.52443	0.026482	0.56811	0.018848	0.68456	0.004509
0.0912	0.04888	0.079266	0.08707	0.132292	0.00419	0.003091	0.94689	-0.0017
0.099797	0.03106	0.034924	0.45149	0.060023	0.19539	0.030965	0.50443	0.009086
0.048507	0.29554	0.025406	0.58393	0.030956	0.50456	0.042853	0.35548	-0.00785
0.038085	0.41158	0.03023	0.51461	0.047683	0.30383	0.008728	0.85078	-0.00462
0.059832	0.19682	-0.00162	0.9721	0.012119	0.79393	-0.00408	0.93001	-0.01567
-0.04309	0.35287	-0.04461	0.33611	-0.03228	0.48654	-0.0352	0.44787	-0.05894
-0.05291	0.25384	-0.02348	0.61283	-0.03058	0.50979	-0.02006	0.66544	0.081906
-0.00692	0.88151	-0.02764	0.55135	-0.02324	0.61648	-0.02297	0.62044	-0.01068
0.046677	0.31415	0.037811	0.41495	0.04474	0.33468	0.050959	0.27177	0.006785
0.028098	0.54472	0.030694	0.50818	0.024899	0.59147	0.031673	0.49474	0.074243
-0.02902	0.53164	-0.01581	0.73332	-0.01557	0.73725	-0.0149	0.74809	-0.01609
-0.06952	0.1336	-0.10699	0.02075	-0.10283	0.02628	-0.091	0.04938	-0.10041
-0.05728	0.21664	-0.04746	0.30607	-0.0497	0.28376	-0.04152	0.37064	-0.04915
-0.09231	0.04618	-0.10349	0.02532	-0.09635	0.03739	-0.0967	0.0367	-0.03612
0.026653	0.5656	0.062037	0.18079	0.063944	0.16773	0.034584	0.45592	0.132918
0.05381	0.24582	-0.06272	0.17605	-0.01176	0.79989	-0.07059	0.1277	-0.14142
0.13157	0.0044	0.153008	0.00091	0.115118	0.0128	0.134423	0.00361	0.235005
0.039185	0.3982	0.059564	0.19883	0.071972	0.12038	0.034499	0.45702	0.022292
0.060279	0.19349	-0.04905	0.29021	0.001307	0.97753	-0.07635	0.09937	-0.1393
0.01541	0.73979	-0.07978	0.08505	-0.01829	0.69341	-0.12746	0.00581	-0.05366
0.283833	4.21E-10	0.252318	3.24E-08	0.332755	1.55E-13	0.107865	0.01973	0.173055
0.140031	0.00242	0.080712	0.08144	0.091646	0.04778	0.045443	0.32713	0.09185
0.045806	0.32328	0.04986	0.28226	0.060589	0.1912	0.030459	0.51143	0.00354
0.06793	0.14272	0.038754	0.40341	0.019554	0.67341	0.037012	0.42489	-0.01339
0.095545	0.03902	0.116295	0.0119	0.117533	0.01102	0.068143	0.14147	0.070727
-0.03	0.51785	-0.06568	0.15648	-0.04565	0.32489	-0.06397	0.16755	0.045138
0.044539	0.33685	0.100974	0.02912	0.068993	0.13656	0.077609	0.0939	0.183933
-0.09702	0.03608	-0.22211	1.25E-06	-0.16635	0.00031	-0.19999	1.34E-05	-0.35786
0.06928	0.13493	0.108064	0.0195	0.071212	0.12436	0.109481	0.01795	0.095358
0.15629	0.0007	0.097215	0.03571	0.119895	0.0095	0.052928	0.25365	0.012602
0.047428	0.30642	0.072027	0.1201	0.0451	0.3308	0.069034	0.13633	0.202229
0.23861	1.81E-07	0.124926	0.00687	0.146457	0.00151	0.098964	0.0325	0.04992
0.06509	0.16022	0.083134	0.07268	0.075085	0.10512	0.061833	0.18223	0.121799

0.014597	0.75305	0.07918	0.08741	0.035694	0.44158	0.108677	0.01881	0.117088
0.083614	0.07104	0.096082	0.03793	0.074802	0.10644	0.084981	0.06653	0.008058
0.169537	0.00023	0.08967	0.05281	0.145844	0.00158	0.036336	0.43341	0.054193
0.072006	0.12021	0.082284	0.07567	0.076329	0.09946	0.082066	0.07645	0.054613
0.047312	0.30761	0.036368	0.43299	0.032029	0.4899	0.032247	0.48694	0.039554
0.240448	1.44E-07	0.229013	5.66E-07	0.241439	1.28E-07	0.155426	0.00075	0.236257
0.047155	0.30922	0.101802	0.02782	0.062626	0.17667	0.093987	0.04234	0.169015
0.031773	0.49338	0.075433	0.10351	0.048782	0.29281	0.077979	0.09234	0.029866
0.096974	0.03618	0.044938	0.33255	0.076242	0.09985	-9.42E-05	0.99838	-0.02465
0.047385	0.30686	0.107069	0.02065	0.063598	0.17004	0.11218	0.01529	0.210522
0.096168	0.03776	0.081292	0.07927	0.087288	0.05945	0.052953	0.25343	0.018912
0.32474	6.26E-13	0.203714	9.12E-06	0.276672	1.19E-09	0.066531	0.15115	0.123277
0.059883	0.19643	0.00478	0.91795	0.037943	0.41333	-0.01389	0.76461	-0.02056
0.082889	0.07353	-0.02576	0.57863	-0.00579	0.90065	-0.04178	0.36771	-0.09799
-0.00648	0.88892	-0.01774	0.70222	0.03167	0.49478	-0.0638	0.16869	-0.08719
0.090182	0.05146	0.061154	0.18708	0.075601	0.10274	0.048036	0.30026	0.011338
-0.07306	0.11485	-0.17447	0.00015	-0.09746	0.03524	-0.18119	8.22E-05	-0.29315
0.01648	0.72244	0.05875	0.20505	0.008235	0.85913	0.083977	0.06982	0.154688
-0.00834	0.85735	-0.00972	0.83407	-0.01339	0.77282	0.011606	0.80248	-0.08207
-0.0045	0.92276	-0.04206	0.36449	-0.02209	0.63391	-0.02529	0.58566	-0.01351
-0.06442	0.16458	-0.00314	0.94601	-0.04354	0.34785	0.027486	0.55352	-0.06327
0.084809	0.06708	0.050762	0.27363	0.086743	0.06106	0.020265	0.66225	-0.00508
-0.08776	0.05809	0.011252	0.80838	-0.03912	0.39899	0.041713	0.36844	0.102305
0.002704	0.95352	-0.02383	0.6075	-0.01325	0.7752	-0.01308	0.77796	-0.08966
-0.02453	0.59699	-0.08149	0.07855	-0.05025	0.2785	-0.07599	0.10097	-0.13913
0.239957	1.53E-07	0.12732	0.00586	0.183465	6.66E-05	0.055481	0.23144	0.03053
0.029336	0.52712	0.006673	0.88565	0.00639	0.89045	0.010653	0.81841	-0.0363
-0.0632	0.17271	-0.06313	0.17319	-0.0039	0.93297	-0.11958	0.0097	-0.1704
-0.00819	0.85984	-0.09166	0.04775	-0.0507	0.27419	-0.11297	0.01458	-0.1885
0.227919	6.43E-07	0.111298	0.01612	0.151484	0.00102	0.050914	0.27219	0.011171
-0.02327	0.61601	-0.03539	0.44546	-0.0067	0.88511	-0.03555	0.44346	-0.10005
-0.0463	0.31803	-0.03075	0.50742	-0.03109	0.50277	-0.0061	0.89539	-0.07377
-0.01992	0.66762	0.055054	0.23505	0.000747	0.98715	0.076062	0.10066	0.175888
0.05043	0.27679	0.137675	0.00287	0.081437	0.07873	0.169103	0.00024	0.110464
-0.03212	0.4886	0.046453	0.31648	-0.01327	0.77485	0.083105	0.07278	0.092355
0.085231	0.06573	-0.02001	0.66618	0.015175	0.74361	-0.03728	0.42156	0.077003
0.065638	0.15673	0.143812	0.00184	0.063583	0.17014	0.175048	0.00014	0.195481
0.085102	0.06614	0.10615	0.02178	0.104718	0.02363	0.079019	0.08806	0.12036
0.029797	0.52066	0.021031	0.65032	0.033715	0.46732	0.003032	0.94791	0.052331
0.02361	0.61081	0.063818	0.16857	0.022	0.63536	0.078284	0.09107	0.121156
-0.05855	0.20659	-0.04476	0.33444	-0.04225	0.36225	-0.0463	0.31811	-0.05334
0.051355	0.26806	0.053413	0.24933	0.044656	0.33559	0.060004	0.19553	0.024542
0.096621	0.03686	0.113689	0.01396	0.04373	0.34571	0.144742	0.00171	0.1259
0.024297	0.60047	0.023522	0.61214	0.015514	0.73808	0.01825	0.69405	-0.00849
0.122207	0.0082	0.101217	0.02874	0.119743	0.0096	0.063725	0.16919	0.145388

0.085818	0.06389	0.114215	0.01352	0.157948	0.00061	0.025996	0.57523	0.018675
-0.02754	0.55271	-0.02385	0.6072	-0.01639	0.72393	-0.02947	0.52528	0.003318
0.107435	0.02022	0.175668	0.00014	0.098508	0.03332	0.200903	1.22E-05	0.276536
0.124578	0.00703	0.093176	0.04416	0.080104	0.08377	0.087503	0.05882	0.195815
0.118996	0.01006	0.040899	0.37786	0.053229	0.25096	0.023545	0.6118	-0.00932
0.239501	1.62E-07	0.21294	3.44E-06	0.296746	6.01E-11	0.079231	0.08721	0.120957
0.137989	0.00281	0.123841	0.00738	0.137212	0.00297	0.074729	0.10678	0.067375
0.204204	8.67E-06	0.113302	0.01429	0.149867	0.00116	0.056703	0.22131	0.044642
0.019807	0.66943	0.061795	0.1825	0.030611	0.50932	0.091345	0.04852	0.057339
0.184136	6.26E-05	0.121239	0.00872	0.1091	0.01835	0.110613	0.01679	0.087526
0.027946	0.5469	0.033957	0.46413	0.036087	0.43656	0.03268	0.48112	0.016847
0.129617	0.00503	0.078943	0.08837	0.127788	0.00568	0.02019	0.66343	0.101545
0.012036	0.79531	-0.07464	0.1072	-0.02769	0.55058	-0.08237	0.07536	-0.18186
0.038854	0.4022	0.021376	0.64497	0.009839	0.83207	0.02978	0.52089	0.065094
0.126372	0.00625	0.007966	0.86368	0.07804	0.09209	-0.04359	0.34729	0.000214
0.072152	0.11945	0.000585	0.98994	0.016377	0.7241	-0.00169	0.97099	0.071198
0.243176	1.03E-07	0.269934	3.06E-09	0.24349	9.92E-08	0.200252	1.30E-05	0.217522
0.379658	1.85E-17	0.209084	5.20E-06	0.24102	1.35E-07	0.148268	0.00131	0.102018
0.10805	0.01951	0.064612	0.16332	0.096533	0.03703	0.029897	0.51926	-0.02753
0.074934	0.10582	0.052378	0.25863	0.07422	0.10919	0.03162	0.49546	-0.01943
-0.07553	0.10307	-0.23056	4.73E-07	-0.15016	0.00113	-0.2321	3.94E-07	-0.3667
-0.02037	0.66069	-0.01281	0.78243	-0.00147	0.97476	-0.00997	0.82992	-0.01351
-0.06904	0.13631	-0.15666	0.00068	-0.11411	0.01361	-0.1531	0.0009	-0.16603
0.000885	0.98478	-0.08088	0.08081	-0.02179	0.63857	-0.11588	0.01221	-0.0885
0.142764	0.00198	0.106753	0.02103	0.109838	0.01758	0.081633	0.07802	0.162015
0.006278	0.89237	0.02964	0.52285	0.026039	0.5746	0.006764	0.8841	-0.0106
0.012802	0.78261	-0.00313	0.9463	0.007767	0.86706	0.003548	0.93905	-0.03307
-0.05735	0.21605	-0.00665	0.88609	-0.02287	0.62202	0.008419	0.85602	-0.06434
-0.02052	0.65832	-0.00917	0.8433	-0.00706	0.879	0.016934	0.71512	-0.03368
0.169655	0.00023	0.173599	0.00016	0.174382	0.00015	0.121854	0.00839	0.182486
0.036139	0.4359	-0.00448	0.92304	0.038395	0.40778	-0.05332	0.25017	-0.107
-0.07684	0.09722	-0.06576	0.15597	-0.07772	0.09342	-0.05111	0.27036	-0.11683
0.133879	0.00375	0.180224	8.99E-05	0.118163	0.0106	0.204773	8.17E-06	0.235721
0.029654	0.52266	0.042057	0.3645	0.025625	0.5807	0.039443	0.3951	0.01332
0.274698	1.57E-09	0.204404	8.49E-06	0.217879	2.00E-06	0.14744	0.0014	0.129095
0.147062	0.00144	0.255796	2.06E-08	0.161663	0.00045	0.249589	4.60E-08	0.253882
-0.02366	0.61006	-0.05808	0.21026	-0.03375	0.46682	-0.04539	0.32771	-0.09621
-0.00147	0.97479	0.044717	0.33493	0.029613	0.52323	0.045462	0.32693	0.176994
0.081037	0.08022	0.100976	0.02912	0.091672	0.04771	0.086641	0.06137	0.057451
0.038054	0.41196	0.091109	0.0491	0.038662	0.40453	0.101961	0.02758	0.177218
0.035697	0.44154	0.037669	0.41671	0.038379	0.40798	0.05608	0.22643	-0.01456
0.096201	0.03769	0.021109	0.64911	0.034679	0.45468	0.009855	0.83179	0.005629
0.139913	0.00244	0.22932	5.46E-07	0.166506	0.0003	0.23306	3.52E-07	0.223442
0.028892	0.5334	0.070275	0.1294	0.05475	0.23766	0.060712	0.1903	0.059346
0.093914	0.0425	0.182859	7.05E-05	0.122052	0.00828	0.185566	5.47E-05	0.273622

-0.00985	0.83195	-0.15432	0.00082	-0.05222	0.26009	-0.19966	1.38E-05	-0.21515
0.012688	0.78449	0.058928	0.20368	0.070623	0.12751	0.007073	0.87884	0.019727
-0.08663	0.06141	-0.10898	0.01848	-0.08779	0.05799	-0.09081	0.04985	-0.08651
0.019208	0.67886	0.097051	0.03603	0.051133	0.27014	0.130039	0.00488	0.115807
0.109811	0.0176	0.083397	0.07178	0.095945	0.03821	0.054879	0.23655	0.119768
0.016224	0.72658	0.025099	0.5885	0.017923	0.69927	0.029285	0.52785	-0.0078
-0.0467	0.31389	-0.03764	0.41703	-0.02575	0.5789	-0.02555	0.58178	-0.06218
0.031535	0.49662	-0.08589	0.06365	-0.01482	0.74943	-0.12338	0.0076	-0.11986
0.236534	2.32E-07	0.385824	5.03E-18	0.285894	3.10E-10	0.361051	7.96E-16	0.301517
0.073041	0.11496	0.067253	0.14675	0.076509	0.09866	0.047944	0.30119	0.190317
0.05058	0.27535	0.059078	0.20253	0.051041	0.271	0.058678	0.20561	0.032099
0.089597	0.053	0.094424	0.04139	0.07645	0.09892	0.075071	0.10518	0.143282
0.062063	0.18061	0.001258	0.97837	0.034498	0.45704	-0.02888	0.53357	-0.03376
0.13617	0.00319	0.069792	0.13206	0.144965	0.00168	-0.01214	0.79355	0.139158
-0.02239	0.62941	-0.01318	0.77643	-0.01025	0.82523	-0.01384	0.7654	-0.03909
0.078538	0.09002	0.15365	0.00086	0.109372	0.01806	0.136265	0.00317	0.354261
0.052941	0.25354	0.094669	0.04086	0.076662	0.09799	0.073231	0.11401	0.242408
0.122954	0.00781	0.058765	0.20493	0.09758	0.03502	0.000737	0.98733	0.185563
0.068653	0.13851	0.05626	0.22494	0.069723	0.13245	0.038692	0.40416	0.053985
0.041477	0.37116	0.054408	0.2406	0.044758	0.33449	0.056579	0.22232	0.128056
0.115814	0.01226	0.038131	0.41102	0.053905	0.24498	0.015712	0.73487	-0.02482
0.049391	0.28682	0.038687	0.40422	0.034524	0.4567	0.034246	0.46033	0.038286
0.06148	0.18474	0.093275	0.04394	0.076738	0.09766	0.065497	0.15762	0.168941
-0.0099	0.83102	-0.02021	0.66304	-0.01013	0.82714	-0.01466	0.75204	-0.0272
0.04451	0.33717	0.015118	0.74454	0.026727	0.56452	0.008753	0.85037	-0.01939
-0.0493	0.28775	-0.02969	0.5221	-0.03353	0.46972	-0.01923	0.67849	0.016403
0.074059	0.10997	0.039703	0.39198	0.080678	0.08157	0.017481	0.70633	-0.01289
-0.03774	0.41587	-0.08901	0.05458	-0.05357	0.24789	-0.08064	0.08173	-0.19512
0.041026	0.37638	0.010967	0.81315	0.040386	0.38389	-0.01616	0.72754	0.016606
0.048762	0.293	0.015423	0.73957	0.047147	0.3093	0.004472	0.92322	0.045451
-0.07294	0.11545	-0.09569	0.03873	-0.07438	0.10842	-0.07111	0.12492	-0.11469
0.226101	7.93E-07	0.075094	0.10508	0.124775	0.00694	0.038108	0.4113	0.060682
0.064095	0.16672	0.009138	0.84387	0.022211	0.63211	0.016824	0.71689	0.012438
0.106548	0.02128	0.118463	0.0104	0.128888	0.00528	0.067765	0.14369	0.098618
0.030523	0.51054	0.124788	0.00693	0.040902	0.37783	0.168131	0.00026	0.097943
0.083908	0.07005	0.077666	0.09366	0.045246	0.32924	0.092472	0.0458	0.094473
0.019514	0.67404	0.077885	0.09273	0.007046	0.8793	0.101496	0.0283	0.083009
0.284075	4.06E-10	0.135013	0.00346	0.165663	0.00032	0.09878	0.03283	0.061922
0.169848	0.00023	0.180934	8.42E-05	0.136117	0.0032	0.181497	8.00E-05	0.100192
0.037798	0.41511	0.075051	0.10527	0.039907	0.38955	0.090995	0.04939	0.01961
0.057114	0.21797	0.081303	0.07923	0.066734	0.14991	0.07025	0.12954	0.009844
0.013653	0.76856	0.055216	0.23368	0.034766	0.45355	0.03794	0.41337	0.036097
0.134486	0.00359	0.101471	0.02834	0.109502	0.01793	0.062082	0.18047	0.108444
0.212446	3.63E-06	0.32593	5.10E-13	0.276403	1.23E-09	0.260795	1.07E-08	0.30775
0.015178	0.74356	-0.04764	0.30426	0.025741	0.57898	-0.08412	0.06934	-0.11616

0.048714	0.29348	0.044619	0.33598	0.062956	0.1744	0.004932	0.91535	0.041488
0.002078	0.96428	-0.01221	0.79251	0.008358	0.85704	-0.006	0.89708	-0.01326
0.082242	0.07581	0.073011	0.1151	0.078052	0.09203	0.070622	0.12751	0.042522
0.15748	0.00064	0.183354	6.73E-05	0.108642	0.01885	0.213581	3.21E-06	0.160174
0.092119	0.04663	-0.003	0.94845	0.067176	0.14722	-0.0451	0.33077	-0.06876
0.221926	1.28E-06	0.235252	2.71E-07	0.181055	8.33E-05	0.221567	1.33E-06	0.192145
0.005771	0.90102	0.05335	0.24988	0.0058	0.90053	0.092858	0.0449	0.0792
0.045147	0.33029	0.101868	0.02772	0.074235	0.10913	0.109334	0.0181	0.139562
0.112167	0.0153	0.160822	0.00049	0.070333	0.12909	0.212029	3.79E-06	0.242922
0.007094	0.87848	0.027048	0.55986	-0.00679	0.88366	0.0509	0.27232	0.035644
0.094984	0.04019	0.029991	0.51795	0.116803	0.01154	-0.05423	0.24213	0.031104
0.039264	0.39724	0.035736	0.44104	0.069915	0.13138	0.006524	0.88819	0.018664
-0.00508	0.91274	-0.00724	0.87595	0.001447	0.97512	-0.0174	0.70769	0.013439
0.01024	0.82533	0.067986	0.14239	0.024087	0.60362	0.0748	0.10645	0.103485
0.069195	0.13541	0.061802	0.18245	0.078037	0.09209	0.03321	0.47403	-0.02654
0.024584	0.59617	-0.05821	0.20923	-0.02024	0.66261	-0.06473	0.16255	-0.10092
0.186905	4.82E-05	0.151143	0.00105	0.170141	0.00022	0.08091	0.0807	0.155086
-0.05941	0.20002	-0.13523	0.00341	-0.09669	0.03673	-0.12975	0.00498	-0.2602
0.213866	3.11E-06	0.086396	0.06211	0.091028	0.0493	0.078325	0.0909	0.092067
0.024271	0.60085	0.108372	0.01915	0.075091	0.10509	0.109587	0.01784	0.098701
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0.113944	0.01375	0.028676	0.53647	0.031653	0.49501	0.02791	0.54741	0.009257
0.175115	0.00014	0.084867	0.06689	0.115838	0.01224	0.037831	0.41471	0.063737
0.183504	6.64E-05	0.149875	0.00116	0.133462	0.00386	0.140203	0.00239	0.100553
0.231178	4.40E-07	0.0751	0.10505	0.092903	0.04479	0.046182	0.31932	0.025097
0.09341	0.04363	0.084446	0.06826	0.083642	0.07094	0.073477	0.1128	0.034822
0.125266	0.00672	0.046161	0.31954	0.047119	0.30958	0.055777	0.22895	0.058078
0.13944	0.00253	-0.04157	0.37003	0.03632	0.43361	-0.08289	0.07353	-0.06659
0.033542	0.46961	-0.19563	2.07E-05	-0.06306	0.17369	-0.23655	2.32E-07	-0.28838
0.039532	0.39402	-0.00664	0.88621	0.014775	0.75014	-0.00949	0.8379	-0.04307
0.070855	0.12626	0.074539	0.10768	0.113705	0.01395	0.031622	0.49543	0.017351
0.113975	0.01372	0.048585	0.29476	0.099091	0.03228	-0.00045	0.99234	-0.01592
0.172155	0.00019	0.065626	0.1568	0.0822	0.07597	0.036238	0.43465	0.029647
0.105637	0.02242	0.068394	0.14001	0.06661	0.15066	0.052162	0.2606	0.019442
0.092575	0.04556	0.09887	0.03267	0.104251	0.02426	0.062387	0.17833	0.141714
0.153195	0.0009	0.113185	0.01439	0.184329	6.15E-05	0.0302	0.51504	0.107121
-0.01109	0.81117	-0.01385	0.76534	0.005598	0.90398	-0.01102	0.81233	-0.03887
0.009214	0.84258	0.023982	0.60519	0.007422	0.87292	0.024721	0.59412	0.003637
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-0.01042	0.82227	-0.01584	0.73275	0.002802	0.95184	-0.03835	0.40835	-0.03121
0.023751	0.60868	0.011425	0.8055	0.011977	0.79629	0.022611	0.626	-0.00593
0.072972	0.1153	0.006442	0.88958	0.018436	0.6911	0.010481	0.82128	0.0013
0.234999	2.79E-07	0.123005	0.00779	0.126294	0.00628	0.149816	0.00117	0.040483
-0.00337	0.94213	0.036483	0.43154	0.031449	0.49779	0.032604	0.48213	0.009042



0.079293	0.08696	0.133034	0.00398	0.097387	0.03539	0.12798	0.00561	0.085537
-0.04458	0.33643	0.006194	0.89381	-0.02314	0.61789	0.027348	0.55551	0.021095
-0.05835	0.20818	-0.02928	0.52798	-0.04547	0.3268	-0.02188	0.63715	-0.03348
0.080737	0.08135	0.143467	0.00188	0.101951	0.02759	0.133544	0.00384	0.331495
-0.00352	0.93945	-0.05411	0.24316	-0.03717	0.42291	-0.04904	0.29025	-0.08297
0.160498	0.0005	0.204361	8.53E-06	0.119624	0.00967	0.248306	5.42E-08	0.11729
0.045423	0.32735	0.090086	0.05171	0.049162	0.28906	0.103627	0.02513	0.095575
0.071116	0.12487	0.032524	0.4832	0.043324	0.35022	0.008095	0.86149	0.007417
0.01454	0.75398	0.057143	0.21773	0.010967	0.81314	0.078508	0.09014	0.020546
0.020803	0.65387	0.080718	0.08142	0.030878	0.50563	0.106504	0.02134	0.051938
0.014841	0.74906	0.036599	0.43007	0.004384	0.92473	0.034856	0.45238	0.012685
-0.00556	0.90466	-0.00341	0.94148	-0.00243	0.95829	-0.00494	0.91524	-0.01393
0.008332	0.85748	0.002736	0.95297	0.000958	0.98352	0.001202	0.97934	0.001409
0.298872	4.32E-11	0.189799	3.66E-05	0.199871	1.35E-05	0.127046	0.00597	0.140463
-0.01789	0.69979	-0.00316	0.9457	-0.01086	0.81489	0.00711	0.87821	-0.01418
0.030962	0.50448	0.019815	0.6693	0.015357	0.74065	0.00683	0.88297	0.011221
-0.00777	0.86699	-0.00893	0.84735	-0.00781	0.86638	0.000858	0.98524	-0.00052
0.00079	0.98642	0.003728	0.93597	-1.35E-05	0.99977	-0.00067	0.98849	-0.0014
-0.0588	0.20469	-0.04714	0.30935	-0.04262	0.35806	-0.0421	0.36405	-0.00784
0.111442	0.01598	0.08262	0.07447	0.123276	0.00765	0.039289	0.39695	0.013077
-0.1028	0.02633	-0.05244	0.25804	-0.05791	0.21164	-0.03582	0.43998	-0.0169
0.130475	0.00474	0.204498	8.41E-06	0.130906	0.0046	0.207186	6.35E-06	0.268221
-0.05682	0.22033	-0.06745	0.14559	-0.05741	0.2156	-0.05898	0.20327	-0.06929
-0.00273	0.95302	0.000487	0.99162	-0.00027	0.99528	-0.00114	0.9804	0.005678
-0.01144	0.80527	-0.00308	0.94704	-0.00904	0.84553	-0.00363	0.93766	-0.01537
5.11E-05	0.99912	-0.02629	0.57086	-0.02233	0.63024	-0.0043	0.9262	0.012849
-0.04883	0.29231	-0.03358	0.46914	-0.03616	0.43568	-0.02534	0.58495	-0.01397
-0.01544	0.73936	-0.00821	0.85954	-0.00904	0.84553	-0.0098	0.8327	-0.01182
0.070627	0.12749	0.057931	0.21145	0.063166	0.17297	0.051322	0.26837	0.071493
-0.07383	0.1111	-0.04115	0.37496	-0.04476	0.33451	-0.03322	0.47383	-0.02385
0.160702	0.00049	0.264389	6.56E-09	0.245696	7.53E-08	0.186815	4.86E-05	0.119583
0.027695	0.55051	0.132694	0.00407	0.037673	0.41666	0.190773	3.33E-05	0.107507
-0.0204	0.66021	-0.01547	0.7388	-0.01963	0.67229	-0.01585	0.73269	-0.02839
-0.02137	0.64511	-0.00862	0.85264	-0.01587	0.73231	-0.00952	0.83746	-0.01127
0.055362	0.23244	-0.01512	0.74455	0.050791	0.27336	-0.08622	0.06266	0.04673
0.070891	0.12607	0.06148	0.18475	0.054707	0.23802	0.054532	0.23953	0.094701
0.267771	4.13E-09	0.21536	2.64E-06	0.306879	1.22E-11	0.073444	0.11296	0.036966
0.138195	0.00276	0.225092	8.90E-07	0.109483	0.01795	0.279696	7.69E-10	0.362128
0.033043	0.47625	0.008798	0.8496	0.020478	0.65892	0.003421	0.94122	0.0454
0.015029	0.746	-0.01028	0.82469	0.007346	0.87421	-0.00405	0.93041	-0.04211
-0.042	0.36513	-0.01925	0.67819	-0.03353	0.46975	-0.02005	0.66567	0.103546
-0.01805	0.69728	-0.01422	0.75923	-0.01427	0.75838	-0.00729	0.87521	-0.02061
0.054967	0.2358	-0.02085	0.65307	0.015338	0.74096	-0.04706	0.31024	-0.1121
-0.03821	0.41005	-0.0437	0.34602	-0.03964	0.39271	-0.03366	0.46801	-0.05608
-0.03666	0.42926	-0.02283	0.62266	-0.02084	0.65335	-0.01353	0.77059	-0.04335

-0.03647	0.43166	0.026362	0.56985	-0.01715	0.71172	0.058829	0.20444	-0.01239
-0.02126	0.64679	-0.01252	0.78732	-0.00923	0.84232	-0.01242	0.78897	0.000137
0.274868	1.53E-09	0.232055	3.96E-07	0.343694	2.15E-14	0.019425	0.67544	0.086036
-0.00648	0.8889	-0.04414	0.34121	-0.0242	0.60186	-0.03532	0.44638	-0.03824
0.087723	0.05819	0.055249	0.2334	0.111392	0.01603	0.00347	0.94038	-0.03952
-0.0874	0.05913	-0.0715	0.12282	-0.05954	0.19904	-0.05251	0.25743	-0.05035
-0.01938	0.67609	-0.01316	0.7767	-0.01493	0.74764	-0.01027	0.8248	-0.00626
-0.01542	0.73965	-0.03067	0.50849	-0.02507	0.58886	-0.02696	0.56116	-0.02505
-0.00748	0.87193	-0.01479	0.74987	-0.0051	0.9125	-0.00904	0.84545	0.000298
-0.06176	0.18272	0.077721	0.09343	-0.02006	0.66543	0.135423	0.00337	0.09881
-0.10311	0.02587	-0.07996	0.08434	-0.07331	0.11363	-0.06306	0.17369	-0.08989
-0.03967	0.39234	-0.0306	0.50947	-0.02289	0.62173	-0.02149	0.64328	-0.04056
-0.13067	0.00468	-0.08749	0.05887	-0.09037	0.05098	-0.05318	0.25144	-0.09405
-0.05594	0.22758	-0.01896	0.68282	-0.02304	0.61942	-0.02156	0.64215	0.060122
-0.0047	0.91926	-0.01898	0.68248	-0.01386	0.76512	-0.01403	0.76229	-0.01999
-0.02019	0.66341	-0.02288	0.62194	-0.02102	0.65043	-0.01755	0.70523	-0.02531
0.034757	0.45367	0.194032	2.42E-05	0.065178	0.15966	0.266793	4.73E-09	0.237155
-0.01615	0.72779	-0.11975	0.00959	-0.06771	0.14402	-0.14155	0.00217	-0.17682
0.008872	0.84836	0.039951	0.38902	0.015158	0.74388	0.052627	0.25637	0.084333
-0.04903	0.29038	-0.02798	0.54645	-0.0257	0.57962	-0.01518	0.74352	-0.00548
-0.03539	0.44552	0.03839	0.40784	-0.00612	0.89502	0.043323	0.35023	0.076265
0.043404	0.34933	0.017536	0.70545	0.012785	0.78288	0.020909	0.65221	0.027101
0.005096	0.91254	-0.02822	0.54303	-0.03483	0.45273	-0.03764	0.41708	-0.00141
0.080726	0.08139	0.018104	0.69637	0.040145	0.38673	0.013436	0.77214	0.041774
0.372257	8.50E-17	0.268693	3.64E-09	0.375197	4.66E-17	0.100856	0.02931	0.103235
-0.08847	0.05607	-0.12064	0.00906	-0.11361	0.01403	-0.09926	0.03199	-0.21
-0.02733	0.55574	-0.0119	0.7975	-0.02625	0.57154	-0.00709	0.87861	-0.02315
-0.03614	0.43595	-0.06048	0.19201	-0.01738	0.70796	-0.08402	0.06967	-0.14009
-0.06609	0.15386	-0.01948	0.6745	-0.04037	0.38408	-0.00947	0.83828	-0.07869
0.071898	0.12077	-0.05242	0.25822	-0.01387	0.76504	-0.07245	0.11794	-0.07523
0.036207	0.43504	0.039947	0.38908	0.032254	0.48684	0.028244	0.54263	0.165941
0.074184	0.10937	0.127627	0.00575	0.104058	0.02453	0.104356	0.02412	0.096897
0.135264	0.0034	0.035641	0.44225	0.079247	0.08715	-0.02369	0.60966	0.051875
0.190803	3.32E-05	0.098658	0.03305	0.134894	0.00349	0.0591	0.20236	0.09338
0.124564	0.00704	0.103647	0.0251	0.104561	0.02384	0.096855	0.0364	0.199379
0.009941	0.83035	0.005958	0.89783	0.051316	0.26842	-0.05673	0.22112	0.089056
-0.04612	0.31993	-0.09628	0.03753	-0.05149	0.2668	-0.11646	0.01178	-0.14278
0.010408	0.82251	0.081617	0.07807	0.03714	0.42329	0.091682	0.04769	0.150732
0.006342	0.89128	0.129279	0.00514	0.049408	0.28665	0.149852	0.00116	0.177604
0.007763	0.86712	0.083777	0.07049	0.048629	0.29433	0.067498	0.14528	0.091954
0.001523	0.97381	-0.00042	0.99286	-0.01867	0.68739	-0.00754	0.87094	-0.07686
0.066474	0.1515	0.096799	0.03652	0.045119	0.33059	0.114719	0.01311	0.082125
-0.03558	0.44305	-0.02029	0.66181	-0.02875	0.53536	-0.02115	0.64851	-0.02864
-0.03766	0.4168	-0.0192	0.67895	-0.02419	0.60202	-0.02414	0.60278	-0.03311
0.048036	0.30026	0.039816	0.39064	0.022802	0.62308	0.039294	0.39688	0.024115

0.098639	0.03308	0.031625	0.49538	0.041719	0.36837	0.037445	0.41948	0.004865
0.068357	0.14022	0.04077	0.37937	0.034157	0.4615	0.036898	0.42632	0.067607
-0.08224	0.07584	-0.05965	0.19815	-0.08662	0.06142	-0.02531	0.58535	-0.01891
-0.0676	0.14466	0.012735	0.78372	0.015702	0.73504	0.004298	0.9262	0.027424
-0.03393	0.4645	-0.02217	0.63271	-0.02179	0.63864	-0.03334	0.47223	-0.09606
-0.07452	0.10777	-0.20416	8.70E-06	-0.1453	0.00164	-0.19095	3.27E-05	-0.34029
0.037063	0.42425	0.03016	0.51558	0.008225	0.85929	0.037653	0.4169	0.041403
0.083579	0.07116	0.039225	0.39772	0.055246	0.23342	0.011223	0.80886	-0.00297
0.094286	0.04169	0.058402	0.20775	0.065966	0.15466	0.039176	0.3983	0.010351
0.30981	7.58E-12	0.181922	7.69E-05	0.23501	2.79E-07	0.076027	0.10081	0.073171
0.112148	0.01532	0.019923	0.66761	0.057561	0.21438	0.004995	0.91428	-0.00451
-0.02426	0.601	-0.00102	0.98239	-0.00773	0.86774	-0.0026	0.95529	0.066691
0.01605	0.7294	0.003113	0.94652	0.005321	0.9087	-0.0119	0.79761	-0.02583
-0.01516	0.74382	0.014587	0.75321	0.000834	0.98566	0.027371	0.55517	0.019381
0.066658	0.15037	0.038062	0.41186	0.035256	0.4472	0.037541	0.4183	0.054851
0.013089	0.77787	0.037075	0.4241	0.034463	0.4575	0.031373	0.49884	0.025171
0.005346	0.90827	0.035809	0.44011	0.031942	0.49108	0.026878	0.56233	0.133736
0.074471	0.108	0.114196	0.01354	0.054538	0.23948	0.126931	0.00602	0.165445
0.064274	0.16554	0.053178	0.25141	0.078902	0.08853	0.023974	0.60531	0.03265
0.084194	0.06909	0.082976	0.07323	0.084053	0.06956	0.06189	0.18183	0.104126
0.087362	0.05923	0.058289	0.20864	0.062186	0.17974	0.057632	0.21382	0.072576
0.072809	0.11612	0.007177	0.87707	0.044438	0.33796	-0.03879	0.40302	-0.04549
0.189327	3.83E-05	0.138205	0.00276	0.140473	0.00235	0.116256	0.01193	0.178832
0.024578	0.59626	0.105766	0.02226	0.075154	0.10479	0.101459	0.02836	0.179638
0.07155	0.12258	0.016913	0.71546	0.035404	0.44529	0.006582	0.88718	-0.04176
0.069786	0.1321	0.073319	0.11358	0.081942	0.07689	0.084556	0.06791	0.050366
0.074938	0.1058	0.122696	0.00794	0.113578	0.01406	0.095665	0.03878	0.185429
0.055829	0.22852	0.153146	0.0009	0.092884	0.04484	0.154437	0.00081	0.312678
0.175537	0.00014	0.123328	0.00763	0.112626	0.01489	0.102044	0.02745	0.089936
-0.01298	0.7796	-0.01944	0.67515	-0.00483	0.91717	-0.03166	0.49487	-0.06413
0.014747	0.7506	0.022102	0.63379	0.021437	0.64403	0.016205	0.72688	0.042877
-0.00196	0.96639	-0.00116	0.98009	-0.00595	0.89789	0.001428	0.97545	0.015146
0.129073	0.00521	0.101004	0.02908	0.066184	0.1533	0.103018	0.026	0.140592
0.098089	0.03408	0.169257	0.00024	0.117442	0.01109	0.153089	0.0009	0.159868
0.157751	0.00062	0.177772	0.00011	0.219704	1.64E-06	0.058082	0.21026	0.123963
0.114374	0.01339	-0.01153	0.80382	0.043412	0.34924	-0.02908	0.53074	-0.11451
0.018396	0.69172	-0.0618	0.18245	0.050135	0.27961	-0.13171	0.00436	-0.05314
0.008735	0.85066	-0.03011	0.51631	-0.02944	0.5257	-0.02396	0.60545	-0.0196
0.032322	0.48594	0.078111	0.09179	0.053283	0.25048	0.087397	0.05913	0.139208
0.020841	0.65327	-0.11224	0.01524	-0.04595	0.3218	-0.13825	0.00275	-0.13051
0.055593	0.2305	0.079598	0.08575	0.074577	0.1075	0.055751	0.22917	0.058846
-0.07804	0.09207	-0.04878	0.29281	-0.08891	0.05485	0.00182	0.96871	-0.12468
0.081192	0.07964	0.07201	0.12019	0.063937	0.16777	0.062825	0.1753	0.135941
0.048215	0.29846	0.072236	0.11903	0.05782	0.21233	0.073773	0.11135	0.031585
0.00059	0.98985	-0.01811	0.69635	-0.0131	0.77765	-0.01084	0.81528	-0.06372

-0.00852	0.85427	0.001118	0.98077	-0.00375	0.93565	0.018162	0.69546	-0.00079
-0.00376	0.93537	0.005049	0.91335	-0.00105	0.98187	0.021864	0.63744	-0.00019
-0.02054	0.65797	-0.0926	0.04551	-0.04355	0.34771	-0.09496	0.04025	-0.19174
0.094942	0.04028	0.085197	0.06584	0.098073	0.03411	0.053525	0.24833	0.03344
0.119041	0.01003	0.289358	1.85E-10	0.168304	0.00026	0.297154	5.64E-11	0.171221
0.042879	0.35519	0.021022	0.65047	0.019474	0.67468	0.004663	0.91995	0.091979
-0.02373	0.60907	-0.02028	0.66196	0.001157	0.98011	-0.04936	0.28713	-0.01054
0.07841	0.09055	0.151039	0.00106	0.066347	0.15229	0.188142	4.29E-05	0.086229
0.151447	0.00103	0.103077	0.02592	0.085786	0.06398	0.096766	0.03658	0.180199
0.050741	0.27383	0.014989	0.74664	0.009968	0.82989	0.008918	0.84758	-0.00291
-0.04034	0.38437	0.058364	0.20805	0.027821	0.54869	0.0444	0.33837	0.144952
0.223123	1.11E-06	0.262283	8.72E-09	0.230929	4.53E-07	0.217826	2.02E-06	0.170763
0.275924	1.32E-09	0.20122	1.18E-05	0.287726	2.36E-10	0.059627	0.19836	0.062146
0.114978	0.01291	0.167868	0.00027	0.134656	0.00355	0.145196	0.00166	0.118472
-0.05811	0.21005	-0.14082	0.00229	-0.08912	0.05428	-0.13658	0.0031	-0.27944
0.151876	0.00099	0.20432	8.56E-06	0.200332	1.29E-05	0.147036	0.00144	0.164593
-0.05811	0.21008	-0.12894	0.00526	-0.12427	0.00717	-0.10248	0.0268	-0.1395
0.23523	2.72E-07	0.165172	0.00034	0.175232	0.00014	0.11877	0.0102	0.26754
0.006247	0.8929	0.034204	0.46088	0.031639	0.4952	0.031628	0.49535	0.036376
0.072364	0.11837	-0.08672	0.06113	0.005215	0.91052	-0.12452	0.00706	-0.18651
0.000416	0.99285	-0.05795	0.21128	-0.00871	0.8511	-0.09009	0.0517	-0.15303
0.044873	0.33324	0.075077	0.10515	0.04984	0.28245	0.091919	0.04711	0.073762
-0.06676	0.14977	-0.07877	0.08907	-0.03403	0.46315	-0.08057	0.08199	-0.16802
-0.07372	0.11159	-0.08808	0.05716	-0.0843	0.06873	-0.06676	0.14971	-0.18929
-0.05443	0.24038	0.065414	0.15815	-0.0064	0.89022	0.102518	0.02674	0.042818
-0.01959	0.67286	-0.00816	0.86041	-0.00349	0.94001	-0.00766	0.86896	-0.03313
0.103688	0.02504	0.035863	0.43942	0.061101	0.18747	0.009772	0.8332	0.163423
-0.04387	0.34418	-0.02838	0.54071	0.019492	0.67438	-0.05713	0.21782	-0.13576
0.062933	0.17456	0.096125	0.03785	0.084048	0.06958	0.078411	0.09054	0.192264
0.034412	0.45816	0.136537	0.00311	0.069282	0.13492	0.16587	0.00032	0.20416
0.281229	6.16E-10	0.280027	7.33E-10	0.206562	6.78E-06	0.288783	2.02E-10	0.247498
-0.04099	0.37685	-0.16135	0.00046	-0.05822	0.20918	-0.19479	2.25E-05	-0.29659
0.046326	0.31781	-0.06059	0.19122	-0.00049	0.99161	-0.0645	0.16408	-0.08514
-0.01172	0.80051	0.025042	0.58934	0.006645	0.88613	0.044571	0.33651	0.019537
-0.0072	0.87663	0.030423	0.51193	0.002978	0.94883	0.046164	0.31951	0.038452
-0.00595	0.89793	-0.05439	0.24074	-0.01842	0.69132	-0.06241	0.17814	-0.10828
-0.00627	0.8925	0.002976	0.94886	0.001533	0.97364	0.020735	0.65492	0.022035
-0.02493	0.59095	-0.01109	0.81103	-0.01198	0.79623	-0.01163	0.80214	0.017613
-0.02717	0.55806	-0.01258	0.78632	-0.01876	0.68594	-0.01309	0.77789	-0.0062
0.005404	0.90728	-0.00617	0.89424	0.010552	0.82009	-0.00706	0.87907	-0.00039
-0.01323	0.77554	-0.00852	0.85438	-0.01143	0.80544	-0.00561	0.90383	-0.00289
-0.00519	0.91091	0.002013	0.96539	0.004462	0.92338	0.006112	0.8952	0.003396
-0.01837	0.69217	-0.01024	0.82538	-0.01531	0.74141	-0.00655	0.88778	0.000847
-0.02645	0.56863	-0.01738	0.708	-0.01825	0.69408	-0.00674	0.88452	-0.01652
0.096716	0.03668	0.037264	0.42174	0.062643	0.17656	0.01539	0.7401	0.060169

0.108633	0.01886	0.172566	0.00018	0.085151	0.06598	0.214042	3.05E-06	0.156109
0.144211	0.00178	0.085551	0.06472	0.070447	0.12847	0.05108	0.27063	0.198185
-0.06623	0.15299	-0.06269	0.17624	-0.04431	0.33936	-0.05779	0.21258	-0.1008
0.017407	0.70752	0.057007	0.21884	0.029137	0.52993	0.081388	0.07892	0.024952
0.044433	0.33801	-0.06302	0.17399	-0.01823	0.69435	-0.07501	0.10548	-0.14877
0.079436	0.08639	0.026839	0.5629	0.006	0.89711	0.036118	0.43617	0.012757
0.109938	0.01747	-0.0156	0.7367	0.037694	0.4164	-0.04648	0.31616	0.043685
-0.00453	0.92214	-0.02604	0.57455	0.006585	0.88714	-0.03674	0.42832	-0.01997
-0.07516	0.10476	-0.06967	0.13277	-0.05577	0.22905	-0.05421	0.24228	-0.09045
0.054086	0.2434	-0.04659	0.31509	0.012676	0.7847	-0.08989	0.05222	0.072913
0.016308	0.72522	-0.02607	0.57412	0.023922	0.6061	-0.04842	0.29643	-0.02309
0.241179	1.32E-07	0.210542	4.45E-06	0.197802	1.66E-05	0.163918	0.00038	0.13407
0.097415	0.03533	0.122163	0.00822	0.116301	0.0119	0.09668	0.03675	0.18117
0.076216	0.09997	-0.05555	0.23086	-0.0234	0.61397	-0.05055	0.27562	-0.13817
-0.02897	0.53226	-0.00369	0.93662	-0.03556	0.44335	0.002506	0.95693	0.012346
0.102652	0.02654	0.053201	0.25121	0.103323	0.02556	0.013238	0.7754	-0.0633
-0.02946	0.5254	-0.02051	0.65846	0.00862	0.85262	-0.03631	0.43372	-0.10055
0.104217	0.02431	-0.02369	0.60967	0.035256	0.44721	-0.06438	0.16481	-0.09718
-0.01436	0.75688	-0.01563	0.73628	-0.00262	0.95496	-0.00929	0.84134	-0.04344
-0.22624	7.81E-07	-0.18239	7.37E-05	-0.17011	0.00022	-0.15306	0.00091	-0.19945
-0.05394	0.24469	-0.00089	0.98472	-0.04012	0.38704	0.022991	0.6202	0.026064
-0.05658	0.22229	-0.09936	0.03182	-0.07929	0.08697	-0.09137	0.04845	-0.16176
0.086037	0.06321	0.129682	0.005	0.051321	0.26837	0.155633	0.00074	0.201633
0.031592	0.49584	0.027925	0.54719	0.020322	0.66137	0.016047	0.72944	0.008966
0.132743	0.00406	0.208954	5.27E-06	0.115767	0.0123	0.229591	5.29E-07	0.318262
0.165035	0.00034	0.124032	0.00728	0.185892	5.31E-05	0.040004	0.3884	0.022535
0.148798	0.00126	0.168352	0.00026	0.085993	0.06334	0.189752	3.67E-05	0.330979
0.033153	0.47478	0.077878	0.09276	0.050249	0.27852	0.086088	0.06305	0.079434
0.182343	7.40E-05	0.084654	0.06758	0.173994	0.00016	-0.02074	0.65487	-0.00315
-0.05156	0.26614	-0.07628	0.0997	-0.06965	0.13287	-0.07997	0.08429	-0.11252
0.097097	0.03594	0.059942	0.196	0.056159	0.22578	0.056486	0.22309	0.143054
0.214953	2.76E-06	0.215859	2.50E-06	0.258038	1.54E-08	0.111207	0.01621	0.107147
0.185512	5.50E-05	0.091906	0.04715	0.092732	0.04519	0.071996	0.12026	0.106082
0.120293	0.00927	-0.01036	0.82325	0.079032	0.08801	-0.08069	0.08154	-0.09935
0.045741	0.32397	0.059183	0.20173	0.051568	0.26607	0.053077	0.25232	0.003812
0.049763	0.2832	0.022736	0.62408	0.028881	0.53356	0.009929	0.83055	0.020112
0.063455	0.171	0.054005	0.2441	0.070304	0.12924	0.045626	0.32518	-0.00778
-0.02343	0.61354	-0.00818	0.86004	-0.01074	0.81691	0.004168	0.92843	-0.00741
-0.00483	0.91707	0.012978	0.7797	0.010963	0.81321	0.012776	0.78304	0.006215
0.041981	0.36537	0.032565	0.48265	0.066294	0.15262	0.013181	0.77634	-0.00544
-0.08876	0.05527	-0.10641	0.02145	-0.0624	0.17828	-0.11843	0.01042	-0.12678
-0.08817	0.05692	-0.08919	0.0541	-0.06032	0.19321	-0.1014	0.02846	-0.09152
0.096531	0.03704	0.033239	0.47364	0.020457	0.65926	0.048774	0.29289	0.00403
0.039245	0.39747	0.058959	0.20344	0.06231	0.17887	0.040477	0.38281	0.079276
0.102478	0.0268	0.188419	4.17E-05	0.131086	0.00455	0.178637	0.0001	0.275479

0.022178	0.63262	-0.02291	0.62139	0.030763	0.50723	-0.07121	0.12435	-0.0444
0.105311	0.02284	0.131954	0.00428	0.090825	0.04982	0.131554	0.0044	0.143242
0.084877	0.06686	0.039228	0.39768	0.054734	0.23779	0.01657	0.72099	0.000345
0.034319	0.45938	0.061901	0.18175	0.027555	0.55253	0.079306	0.08691	0.023644
-0.00487	0.91634	0.014917	0.74782	0.011733	0.80036	0.005469	0.90616	0.103582
-0.00708	0.87866	0.012614	0.78572	0.023304	0.61544	-0.0063	0.89204	-0.06212
0.114635	0.01318	0.119057	0.01002	0.125155	0.00677	0.066569	0.15092	0.044851
0.272099	2.27E-09	0.072672	0.1168	0.10217	0.02726	0.069865	0.13166	0.046019
-0.01845	0.69095	0.013381	0.77304	0.004633	0.92046	0.026163	0.57277	0.006042
-0.02239	0.62934	-0.11941	0.0098	-0.03069	0.50829	-0.16771	0.00027	-0.17199
0.053933	0.24474	-0.03913	0.39881	0.022134	0.63329	-0.08557	0.06465	-0.03075
0.219052	1.76E-06	0.156956	0.00066	0.166428	0.0003	0.107684	0.01993	0.280476
0.071123	0.12483	0.023772	0.60837	0.012589	0.78614	0.026701	0.56491	0.101472
-0.02108	0.64961	-0.05826	0.20888	-0.01667	0.71932	-0.07053	0.128	-0.13343
-0.00962	0.83566	-0.05367	0.24706	-0.03749	0.41892	-0.04896	0.29103	-0.17458
-0.22459	9.43E-07	-0.11348	0.01414	-0.1343	0.00364	-0.07792	0.09259	-0.13381
-0.01867	0.68732	0.026764	0.56399	0.038058	0.41191	0.007853	0.8656	0.039953
-0.0231	0.61847	-0.00308	0.94701	0.005215	0.91051	0.003958	0.93202	-0.03774
-0.02857	0.53796	0.008035	0.86252	0.000467	0.99197	0.018546	0.68935	0.00546
-0.0104	0.82272	-0.07993	0.08445	0.00684	0.8828	-0.13928	0.00256	-0.22353
0.213877	3.11E-06	0.140648	0.00232	0.190617	3.38E-05	0.069378	0.13438	0.193605
0.073941	0.11054	0.071579	0.12243	0.078335	0.09086	0.032845	0.47889	0.120379
0.129344	0.00512	0.028528	0.53858	0.035938	0.43846	0.027142	0.55849	0.143219
0.121157	0.00877	0.038088	0.41154	0.062494	0.17759	0.016764	0.71786	0.130022
-0.02184	0.63781	-0.01412	0.76083	0.005906	0.89872	-0.03496	0.45109	0.071672
0.064136	0.16645	0.016914	0.71544	-0.00179	0.96929	0.02452	0.59712	0.044844
0.189154	3.89E-05	0.183553	6.61E-05	0.158088	0.00061	0.153711	0.00086	0.248719
0.113194	0.01439	-0.00375	0.93566	0.051223	0.26929	-0.02574	0.57893	0.061208
-0.09942	0.03171	-0.09853	0.03328	-0.07693	0.09682	-0.09219	0.04646	-0.11403
0.091206	0.04886	0.056535	0.22268	0.054896	0.2364	0.040569	0.38173	0.088196
0.059862	0.19659	-0.02294	0.62099	-0.00684	0.8828	-0.02995	0.51851	-0.04807
0.204515	8.39E-06	0.27974	7.64E-10	0.247958	5.66E-08	0.210703	4.37E-06	0.227772
0.009761	0.83338	0.023682	0.60972	0.015773	0.73389	0.014506	0.75454	0.011534
-0.07772	0.09342	-0.00555	0.90475	-0.03321	0.47399	0.00324	0.94433	0.091293
0.064976	0.16096	0.034176	0.46125	0.072187	0.11927	0.001419	0.9756	-0.01074
0.291141	1.42E-10	0.24529	7.93E-08	0.265267	5.82E-09	0.167822	0.00027	0.102922
0.299932	3.66E-11	0.244436	8.82E-08	0.273582	1.84E-09	0.140907	0.00227	0.126825
0.243413	1.00E-07	0.203789	9.05E-06	0.267632	4.21E-09	0.071652	0.12204	0.076392
0.299247	4.08E-11	0.190789	3.32E-05	0.177083	0.00012	0.202181	1.07E-05	0.103881
0.144548	0.00174	0.227174	7.01E-07	0.19264	2.78E-05	0.187495	4.56E-05	0.196842
0.16187	0.00045	0.112716	0.01481	0.135159	0.00343	0.076296	0.09961	0.094653
0.011021	0.81224	0.031147	0.50194	0.020428	0.65971	0.030168	0.51548	0.028164
0.075832	0.10169	0.15172	0.00101	0.11799	0.01071	0.143428	0.00189	0.112657
0.032328	0.48585	-0.00522	0.91038	0.002863	0.95079	0.017053	0.71321	0.013391
0.177988	0.00011	0.125257	0.00672	0.139437	0.00253	0.087443	0.059	0.055609

0.134062	0.0037	0.056792	0.22058	0.033563	0.46933	0.073757	0.11143	0.043623
0.142532	0.00202	0.231855	4.06E-07	0.180408	8.84E-05	0.220682	1.47E-06	0.157665
0.0577	0.21327	0.072696	0.11668	0.070621	0.12752	0.059054	0.20272	0.039674
0.13942	0.00253	0.159123	0.00056	0.159579	0.00054	0.095374	0.03938	0.311191
0.029155	0.52968	0.040516	0.38235	0.041085	0.37569	0.024668	0.5949	0.081439
-0.13599	0.00323	-0.08244	0.0751	-0.09661	0.03688	-0.06138	0.18549	-0.09247
0.054939	0.23604	-0.00993	0.83055	0.042491	0.35957	-0.04414	0.34118	-0.0306
0.120227	0.00931	-0.03315	0.47478	0.06409	0.16675	-0.10216	0.02728	-0.06154
0.041348	0.37265	-0.00506	0.91323	-0.02869	0.53631	0.023448	0.61326	0.082582
0.21856	1.86E-06	0.192231	2.89E-05	0.247294	6.16E-08	0.071673	0.12194	0.041513
-0.02357	0.61138	0.072938	0.11547	0.021693	0.64008	0.07748	0.09445	0.076536
0.042326	0.36144	0.07376	0.11142	0.060837	0.18939	0.05367	0.24705	0.047322
0.100072	0.0306	0.042789	0.35621	0.069766	0.13221	0.024329	0.59998	-0.00696
-0.0412	0.37435	-0.0523	0.25931	-0.03245	0.48417	-0.05628	0.22478	-0.05727
0.052152	0.26069	0.038514	0.40632	0.0372	0.42254	0.03309	0.47563	0.17741
0.056352	0.22419	0.002915	0.94991	0.023654	0.61014	0.004711	0.91912	-0.01056
0.111671	0.01576	0.094835	0.04051	0.070597	0.12765	0.108953	0.01851	0.222325
-0.02203	0.63494	-0.05916	0.20188	-0.04797	0.30091	-0.05137	0.26796	-0.04051
-0.04525	0.32922	-0.01848	0.69034	-0.02523	0.58651	-0.01955	0.67342	0.000355
0.000812	0.98603	-0.08081	0.08106	-0.01131	0.80747	-0.11456	0.01324	-0.11382
0.012279	0.79128	0.085759	0.06407	0.027014	0.56036	0.104095	0.02448	0.245648
-0.09397	0.04238	-0.07622	0.09997	-0.07704	0.09636	-0.05529	0.23304	-0.12149
0.099072	0.03232	-0.05729	0.21655	0.058037	0.21061	-0.12606	0.00638	-0.1951
-0.04253	0.35911	-0.15288	0.00092	-0.07558	0.10283	-0.16414	0.00037	-0.24426
-0.01334	0.77372	-0.07638	0.09925	-0.04184	0.36694	-0.09094	0.04952	-0.15796
0.036093	0.43649	-0.02814	0.54408	-0.01799	0.69826	-0.03403	0.46323	-0.07468
0.02995	0.51851	0.081275	0.07934	0.041373	0.37236	0.08381	0.07038	0.048932
0.067073	0.14784	0.040337	0.38446	0.042302	0.36171	0.028759	0.53529	0.000817
0.095411	0.0393	-0.01715	0.71166	0.062219	0.17951	-0.07593	0.10126	-0.04212
0.271651	2.41E-09	0.309114	8.49E-12	0.257965	1.55E-08	0.23524	2.71E-07	0.284286
0.075955	0.10113	-0.00852	0.85427	0.017906	0.69954	-0.02174	0.63941	-0.07544
0.088423	0.0562	0.028743	0.53552	0.049365	0.28706	0.020818	0.65363	0.025273
0.000724	0.98755	-0.01203	0.79534	0.004188	0.92808	-0.00577	0.90102	0.012989
0.099359	0.03182	0.127412	0.00583	0.1507	0.00109	0.083779	0.07048	0.042949
0.064391	0.16477	0.083414	0.07172	0.072707	0.11663	0.072842	0.11595	0.105959
0.083309	0.07208	-0.04283	0.35578	0.008407	0.85621	-0.04703	0.31049	-0.06875
0.08357	0.07119	0.102545	0.0267	0.062209	0.17958	0.093981	0.04236	0.200732
-0.00582	0.90026	-0.02958	0.52364	-0.02858	0.53789	-0.02507	0.58887	-0.00934
0.158128	0.0006	0.075662	0.10246	0.099565	0.03146	0.04514	0.33038	0.093925
0.047708	0.30357	0.175993	0.00013	0.073298	0.11368	0.219523	1.67E-06	0.201076
0.022705	0.62455	0.074161	0.10948	0.025707	0.57948	0.103888	0.02476	0.104236
0.013326	0.77394	0.091818	0.04736	0.043487	0.34841	0.108245	0.01929	0.159441
-0.03097	0.50436	0.011723	0.80052	0.001005	0.98272	-0.00141	0.97569	0.072257
0.02768	0.55072	0.007087	0.8786	0.041066	0.37592	-0.01142	0.80565	0.014838
0.038183	0.41038	0.02122	0.6474	0.021905	0.63681	0.01499	0.74664	0.067379

-0.10038	0.03008	-0.09357	0.04326	-0.07638	0.09924	-0.10245	0.02684	-0.12783
0.193113	2.65E-05	0.25102	3.83E-08	0.326125	4.93E-13	0.078032	0.09212	0.265416
-0.02014	0.66415	-0.03334	0.47236	-0.02992	0.51899	-0.01459	0.75317	-0.01663
-0.05101	0.27131	-0.01872	0.68659	-0.02914	0.52985	-0.00604	0.89636	-0.00013
0.030632	0.50904	0.115089	0.01282	0.086884	0.06064	0.099872	0.03094	0.212164
0.055718	0.22945	0.001485	0.97448	0.080436	0.08249	-0.06598	0.15458	-0.11563
-0.07743	0.09467	-0.13828	0.00275	-0.0759	0.10136	-0.16392	0.00038	-0.18991
0.324531	6.48E-13	0.148717	0.00127	0.259541	1.26E-08	0.012539	0.78697	0.017271
0.174449	0.00015	0.113307	0.01429	0.137929	0.00282	0.068867	0.13728	0.133197
0.333592	1.33E-13	0.203364	9.45E-06	0.289056	1.94E-10	0.077782	0.09317	0.089391
0.082761	0.07398	0.145298	0.00164	0.104883	0.02341	0.140453	0.00235	0.134667
0.071649	0.12206	0.010314	0.82409	0.001643	0.97176	0.015216	0.74294	0.002732
-0.00636	0.89104	0.06334	0.17178	0.034747	0.45379	0.055837	0.22846	0.027616
-0.00835	0.85724	-5.89E-05	0.99899	0.009047	0.8454	0.00817	0.86022	0.00694
0.049254	0.28816	0.09456	0.0411	0.075836	0.10167	0.081559	0.07829	0.201251
0.073482	0.11277	0.135776	0.00328	0.102265	0.02712	0.12674	0.0061	0.252746
0.095441	0.03924	0.091005	0.04936	0.101026	0.02904	0.073011	0.11511	0.040246
0.029974	0.51819	0.098579	0.03319	0.078016	0.09219	0.093507	0.04341	0.190158
0.214197	3.00E-06	0.1755	0.00014	0.215582	2.58E-06	0.094325	0.0416	0.14376
-0.15645	0.00069	-0.18744	4.58E-05	-0.16075	0.00049	-0.16285	0.00041	-0.24971
-0.17067	0.00021	-0.13924	0.00256	-0.11178	0.01566	-0.12661	0.00615	-0.24756
0.129112	0.0052	0.034076	0.46256	0.116086	0.01206	-0.03676	0.42802	0.063612
-0.01935	0.67659	-0.04119	0.37445	-0.00934	0.84039	-0.08139	0.07891	-0.08476
-0.06342	0.17121	-0.00218	0.96255	-0.00455	0.92191	-0.02981	0.52045	-0.01266
-0.03156	0.49634	-0.12876	0.00533	-0.07133	0.12374	-0.12973	0.00499	-0.20414
-0.01091	0.81415	-0.155	0.00078	-0.03154	0.49656	-0.20399	8.86E-06	-0.24988
0.054194	0.24246	0.024764	0.59348	0.039587	0.39337	0.014377	0.75666	-0.02349
0.203393	9.42E-06	0.035561	0.44329	0.04882	0.29243	0.034139	0.46173	0.051431
0.057441	0.21534	-0.03375	0.46685	0.036007	0.43758	-0.08544	0.06506	-0.04043
0.091965	0.047	0.019532	0.67375	0.019225	0.67859	0.028563	0.53808	-0.00719
-0.00918	0.84311	-0.02894	0.53266	-0.01962	0.67231	-0.01805	0.69726	-0.00506
-0.03825	0.40956	0.007666	0.86877	-0.00504	0.91348	-0.00091	0.98442	0.061545
0.152224	0.00097	0.066957	0.14854	0.102186	0.02724	0.04403	0.34241	0.049409
0.058252	0.20892	-0.01612	0.72826	0.060998	0.18822	-0.06588	0.15522	-0.00614
0.025774	0.57849	-0.00111	0.98096	-0.00665	0.88604	0.00258	0.95565	-0.02824
-0.00957	0.83655	-0.05714	0.21777	-0.02414	0.60286	-0.07829	0.09106	-0.11624
0.016992	0.71418	0.065464	0.15783	0.051517	0.26655	0.060436	0.19233	0.04381
0.277002	1.13E-09	0.265257	5.83E-09	0.200171	1.31E-05	0.275643	1.37E-09	0.244398
0.357464	1.60E-15	0.31529	3.08E-12	0.372897	7.46E-17	0.170047	0.00022	0.165256
0.043947	0.34332	-0.03911	0.39907	-0.01324	0.77539	-0.04126	0.37367	-0.08531
0.018839	0.68469	0.003161	0.94568	-0.00169	0.97093	0.022388	0.6294	0.063788
0.214319	2.96E-06	0.108124	0.01943	0.141208	0.00222	0.053376	0.24965	0.080684
-0.01287	0.78145	-0.09385	0.04265	-0.06888	0.1372	-0.09323	0.04404	-0.0488
0.030497	0.5109	0.029655	0.52264	0.044007	0.34266	0.003703	0.93638	-0.01187
0.055991	0.22717	0.080062	0.08394	0.057021	0.21872	0.080873	0.08084	0.120056



0.029347	0.52697	-0.07883	0.08882	-0.02661	0.5662	-0.07275	0.11642	-0.13899
-0.16002	0.00052	-0.19509	2.18E-05	-0.14067	0.00231	-0.19214	2.91E-05	-0.19171
0.028541	0.5384	0.019516	0.67401	0.035768	0.44063	-0.00022	0.99622	0.011815
0.042796	0.35612	0.113653	0.01399	0.053566	0.24797	0.128607	0.00538	0.108249
0.197319	1.75E-05	0.077326	0.09511	0.129881	0.00494	0.031241	0.50065	0.087066
0.17358	0.00016	0.106178	0.02174	0.075547	0.10299	0.107896	0.01969	0.218645
-0.02	0.6664	-0.02637	0.5698	-0.00334	0.94267	-0.02975	0.52127	-0.04183
-0.01477	0.75021	0.056244	0.22508	0.024581	0.59622	0.074643	0.10719	0.101022
0.09408	0.04214	0.132246	0.0042	0.137472	0.00291	0.086577	0.06156	0.091522
0.094837	0.0405	0.074931	0.10583	0.070404	0.1287	0.069286	0.1349	0.053416
0.030922	0.50502	-0.05752	0.21471	-0.02091	0.65218	-0.07623	0.0999	-0.03851
0.023445	0.61331	0.073675	0.11183	0.067478	0.14541	0.057536	0.21458	0.149426
0.298768	4.39E-11	0.172732	0.00018	0.234843	2.85E-07	0.090456	0.05075	0.083586
0.012159	0.79327	-0.00531	0.90893	0.007716	0.86792	-0.01857	0.68891	-0.04695
0.019943	0.6673	0.13972	0.00248	0.068293	0.14059	0.159502	0.00054	0.285707
0.226806	7.31E-07	0.263854	7.06E-09	0.26661	4.85E-09	0.175901	0.00013	0.193942
0.016314	0.72512	0.042253	0.36227	0.039483	0.39462	0.053252	0.25076	0.048001
0.148316	0.00131	0.111753	0.01569	0.110914	0.01649	0.075189	0.10463	0.078376
0.15368	0.00086	0.152344	0.00096	0.142976	0.00195	0.132657	0.00408	0.092221
0.011065	0.81151	-0.00084	0.9856	0.00616	0.89438	-0.01079	0.81607	-0.05426
0.055056	0.23503	0.102326	0.02702	0.077301	0.09522	0.103823	0.02485	0.043772
-0.06246	0.17783	-0.06525	0.15918	-0.0334	0.47147	-0.08604	0.0632	-0.04859
-0.01239	0.7895	0.037996	0.41267	0.011012	0.81239	0.0317	0.49437	0.087393
-0.04675	0.31341	-0.1436	0.00186	-0.08218	0.07605	-0.14191	0.00211	-0.251
0.035411	0.4452	-0.00792	0.8644	0.014839	0.7491	-0.03304	0.47625	0.016396
0.106661	0.02115	0.054537	0.23949	0.052769	0.25508	0.067804	0.14346	0.056793
-0.01797	0.69854	-0.07596	0.10113	-0.06455	0.16371	-0.06284	0.17517	-0.13683
0.04126	0.37366	0.022234	0.63177	0.041354	0.37258	-0.00092	0.98426	-0.01754
0.050988	0.27149	0.128281	0.0055	0.1183	0.01051	0.110184	0.01722	0.101861
-0.03731	0.42112	-0.06982	0.13193	-0.0339	0.46487	-0.09798	0.03427	-0.07565
0.059094	0.20241	0.090728	0.05006	0.073869	0.11089	0.068947	0.13682	0.043973
0.132684	0.00407	0.121324	0.00868	0.08942	0.05347	0.12312	0.00773	0.135615
0.013574	0.76986	0.072158	0.11942	0.045293	0.32873	0.081352	0.07905	0.119667
0.069227	0.13523	0.036521	0.43106	0.073915	0.11066	-0.01369	0.76794	-0.06516
0.007901	0.86479	0.054433	0.24039	0.008021	0.86274	0.057624	0.21388	0.099607
0.015957	0.7309	0.047466	0.30604	0.032477	0.48384	0.043567	0.34752	0.071134
0.015908	0.73169	-0.0463	0.31813	-0.00852	0.85426	-0.04801	0.30053	-0.18672
-0.03128	0.5001	-0.02204	0.63475	-0.02696	0.56115	-0.01561	0.73646	-0.0368
-0.03974	0.3915	0.019438	0.67524	-0.01956	0.67333	0.052871	0.25417	0.019116
0.018871	0.68419	-0.05762	0.21388	-0.01626	0.72592	-0.06988	0.13155	-0.14051
0.074125	0.10965	0.161227	0.00047	0.105613	0.02245	0.181714	7.84E-05	0.066971
0.04721	0.30865	0.162601	0.00042	0.060576	0.1913	0.181152	8.26E-05	0.192409
0.01066	0.81828	0.034099	0.46227	0.024223	0.60158	0.031756	0.4936	0.042281
0.049003	0.29062	0.055148	0.23425	0.057862	0.21199	0.037836	0.41465	0.003552
0.053	0.25301	-0.05387	0.24526	-0.00251	0.95682	-0.06997	0.13107	-0.13909

0.070842	0.12633	0.059662	0.1981	0.057171	0.21751	0.046276	0.31834	0.008184
-0.02913	0.53	-0.07975	0.08515	-0.05234	0.25901	-0.08538	0.06524	-0.16833
-0.14816	0.00132	-0.13278	0.00405	-0.15109	0.00106	-0.07066	0.1273	-0.16268
-0.05393	0.24478	-0.04437	0.33865	-0.03183	0.49261	-0.04966	0.28424	-0.04966
-0.09268	0.04532	-0.04693	0.31158	-0.05917	0.2018	-0.01057	0.81972	-0.06496
0.031982	0.49054	-0.02604	0.57455	0.007828	0.86603	-0.04443	0.33805	-0.0764
0.06872	0.13812	0.070497	0.1282	0.02916	0.52961	0.075086	0.10511	0.035223
0.040817	0.37882	-0.06874	0.13799	0.014908	0.74796	-0.10991	0.0175	-0.24696
-0.09443	0.04138	-0.09075	0.05	-0.03839	0.40781	-0.10239	0.02693	-0.11351
0.009659	0.83509	0.01908	0.68088	0.041463	0.37132	-0.01809	0.69667	0.121216
0.105874	0.02212	0.056952	0.21928	0.067426	0.14572	0.038149	0.41079	0.069386
0.024013	0.60473	0.002374	0.9592	-0.00707	0.87896	0.01287	0.78148	-0.09664
0.044787	0.33417	0.040799	0.37904	0.065657	0.15661	0.00736	0.87396	-0.00851
0.009037	0.84558	-0.02325	0.61618	-0.00551	0.90544	-0.01512	0.74449	-0.03817
0.094978	0.04021	0.1756	0.00014	0.122605	0.00799	0.158261	0.0006	0.222603
-0.06051	0.19175	-0.23469	2.90E-07	-0.17359	0.00016	-0.22	1.58E-06	-0.31439
0.025729	0.57916	0.141217	0.00222	0.066624	0.15058	0.151021	0.00106	0.258945
-0.07133	0.12372	-0.06265	0.17651	-0.01007	0.82815	-0.09107	0.04919	-0.16776
0.277253	1.09E-09	0.339481	4.64E-14	0.289995	1.68E-10	0.283407	4.48E-10	0.258923
0.156661	0.00068	0.130615	0.0047	0.134779	0.00352	0.104211	0.02431	0.113214
0.282328	5.24E-10	0.30934	8.18E-12	0.289584	1.79E-10	0.246341	6.95E-08	0.191787
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-0.01852	0.68973	-0.04675	0.31341	-0.01755	0.7053	-0.04184	0.36701	-0.07227
-0.00529	0.90927	0.061391	0.18538	0.015996	0.73026	0.108099	0.01946	0.08061
0.040699	0.38021	-0.10926	0.01818	0.002036	0.96501	-0.17833	0.00011	-0.16338
0.284503	3.81E-10	0.236612	2.30E-07	0.289281	1.87E-10	0.136386	0.00314	0.113798
0.035368	0.44576	-0.00193	0.96684	-0.00451	0.92265	0.005372	0.90783	0.049847
0.129221	0.00516	0.227596	6.67E-07	0.12107	0.00882	0.300011	3.62E-11	0.1318
0.038045	0.41207	-0.01964	0.67198	-0.00173	0.97023	-0.03791	0.41377	0.003993
0.017308	0.7091	-0.09063	0.05032	-0.05216	0.26063	-0.0788	0.08897	-0.15186
0.128111	0.00556	0.139897	0.00245	0.121728	0.00846	0.127433	0.00582	0.082761
0.081044	0.08019	0.108235	0.0193	0.073223	0.11405	0.131599	0.00439	0.082275
0.088368	0.05636	-4.17E-05	0.99928	0.029002	0.53184	-0.0094	0.83937	-0.05494
-0.05645	0.22335	-0.0252	0.58699	-0.00265	0.95439	-0.02534	0.58497	-0.04732
0.149492	0.00119	0.198762	1.51E-05	0.171031	0.0002	0.171046	0.0002	0.145016
0.358888	1.21E-15	0.177748	0.00011	0.247374	6.10E-08	0.099804	0.03105	0.069098
0.051798	0.26394	0.069521	0.13358	0.04554	0.3261	0.083544	0.07128	0.060054
0.286474	2.85E-10	0.139512	0.00251	0.228389	6.09E-07	0.044855	0.33344	0.084603
0.282369	5.21E-10	0.235824	2.53E-07	0.28106	6.31E-10	0.13543	0.00336	0.083114
0.097604	0.03498	0.08725	0.05956	0.0734	0.11318	0.068996	0.13654	0.109103
0.073337	0.11349	-0.02133	0.64573	0.03052	0.51059	-0.05896	0.20346	-0.07673
-0.02205	0.63458	-0.00583	0.90006	0.006889	0.88197	-0.02206	0.63441	-0.04296
-0.03981	0.39076	0.000864	0.98514	-0.00571	0.90204	0.004726	0.91887	0.028052
-0.10054	0.02983	-0.16492	0.00035	-0.09952	0.03154	-0.17547	0.00014	-0.23561
0.099743	0.03116	0.016405	0.72365	0.096737	0.03664	-0.0578	0.2125	-0.1005

0.292432	1.16E-10	0.192889	2.71E-05	0.295706	7.05E-11	0.027821	0.54869	0.043876
0.218123	1.95E-06	0.223837	1.03E-06	0.208521	5.52E-06	0.170206	0.00022	0.380411
0.107626	0.02	0.239214	1.68E-07	0.13123	0.0045	0.269344	3.33E-09	0.250105
-0.03352	0.46989	-0.02345	0.61328	-0.01156	0.80326	-0.01488	0.74844	0.020845
0.004518	0.92243	0.011902	0.79754	0.006212	0.89349	0.016577	0.72087	0.026138
0.155431	0.00075	0.044376	0.33863	0.079885	0.08463	0.038658	0.40457	0.120827
0.03919	0.39814	0.017027	0.71362	0.009633	0.83553	0.032318	0.48598	0.115757
0.027647	0.55119	0.008612	0.85274	0.010797	0.81598	0.012041	0.79524	0.001499
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0.003257	0.94404	-0.01783	0.70075	-0.01257	0.78644	-0.00026	0.99549	-0.06627
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0.01732	0.70891	0.120394	0.00921	0.055152	0.23422	0.116657	0.01164	0.304048
0.042831	0.35573	0.033593	0.46894	0.035031	0.45011	0.012321	0.79058	-0.03974
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0.131689	0.00436	0.027977	0.54645	0.051293	0.26863	0.02155	0.64228	0.043657
0.002994	0.94855	-0.04185	0.36687	-0.00478	0.918	-0.06089	0.18903	-0.02359
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0.272142	2.25E-09	0.141987	0.0021	0.168539	0.00025	0.099822	0.03102	0.07756
0.110279	0.01712	-0.0687	0.13822	0.01349	0.77123	-0.10508	0.02314	-0.14189
0.134238	0.00366	0.047016	0.31065	0.057471	0.2151	0.039177	0.39829	-0.01531
0.222798	1.16E-06	0.231924	4.03E-07	0.269231	3.38E-09	0.122156	0.00823	0.160687
0.333102	1.45E-13	0.304769	1.71E-11	0.308172	9.88E-12	0.226354	7.70E-07	0.179138
0.165636	0.00032	0.237269	2.13E-07	0.21647	2.34E-06	0.196831	1.83E-05	0.268041
0.098452	0.03342	0.017696	0.70289	0.021592	0.64164	0.00793	0.8643	-0.05257
0.020438	0.65956	0.050998	0.2714	0.037008	0.42494	0.029404	0.52617	0.061792
0.026928	0.56161	-0.06235	0.17859	-0.00835	0.85719	-0.09869	0.03298	-0.14936
0.08578	0.064	0.035019	0.45027	0.069868	0.13164	-0.00735	0.87421	0.00559
0.077244	0.09546	0.220251	1.54E-06	0.092679	0.04531	0.279064	8.42E-10	0.193407
-0.04168	0.36879	-0.10367	0.02507	-0.04873	0.2933	-0.09605	0.038	-0.17492
0.054625	0.23872	0.081848	0.07723	0.089759	0.05257	0.050316	0.27787	0.022892
0.021536	0.64251	0.090222	0.05136	0.003651	0.93729	0.137291	0.00295	0.131993
0.148535	0.00129	0.158499	0.00059	0.233308	3.42E-07	0.04274	0.35676	0.000924
0.048151	0.2991	0.140502	0.00234	0.07771	0.09347	0.149406	0.0012	0.152426
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0.099748	0.03115	0.031074	0.50294	0.076028	0.10081	-0.01625	0.72622	-0.07024
0.019708	0.67098	-0.02644	0.56869	-0.00594	0.89813	-0.02336	0.61466	-0.0324
0.066578	0.15086	0.019671	0.67158	0.018377	0.69202	0.01779	0.70139	0.007046
0.163997	0.00037	0.071556	0.12255	0.092255	0.04631	0.04361	0.34704	0.089635
0.103691	0.02504	0.179517	9.59E-05	0.132776	0.00405	0.171554	0.0002	0.197654
0.089434	0.05344	-0.0262	0.57228	0.052791	0.25489	-0.07034	0.12903	0.022611
0.127741	0.0057	0.012384	0.78954	0.017495	0.70611	0.019336	0.67684	-0.00605
0.1352	0.00342	0.021495	0.64314	0.089537	0.05316	-0.03263	0.4818	-0.05527
0.083141	0.07266	0.058445	0.20741	0.07134	0.12368	0.032621	0.4819	-0.03078
0.296093	6.65E-11	0.164083	0.00037	0.247958	5.66E-08	0.04615	0.31965	0.140541

0.071631	0.12215	0.07235	0.11844	0.053436	0.24912	0.078892	0.08858	0.026669
-0.00154	0.97356	-0.12704	0.00598	-0.04711	0.3097	-0.15285	0.00092	-0.18391
0.030826	0.50635	0.209998	4.72E-06	0.098935	0.03256	0.223781	1.03E-06	0.26812
-0.12842	0.00545	-0.1714	0.0002	-0.10784	0.01975	-0.19063	3.37E-05	-0.25987
0.07441	0.10829	0.01275	0.78346	0.060028	0.19536	-0.03513	0.44889	0.047136
0.118616	0.0103	0.077395	0.09481	0.073142	0.11445	0.059985	0.19567	0.041715
0.052845	0.2544	-0.01483	0.74923	0.051329	0.2683	-0.05093	0.27203	-0.11438
0.070891	0.12607	0.057716	0.21315	0.062082	0.18048	0.019408	0.6757	0.049656
0.133452	0.00386	0.108321	0.01921	0.117462	0.01107	0.083604	0.07107	0.071531
-0.02408	0.60365	0.003088	0.94694	-0.01251	0.78745	0.013784	0.76639	0.069102
-0.02794	0.54692	0.01415	0.76038	0.030369	0.51268	-0.0219	0.63684	-0.01663
0.224861	9.14E-07	0.127619	0.00575	0.199456	1.41E-05	0.027285	0.55642	0.018082
0.326929	4.29E-13	0.248885	5.04E-08	0.260332	1.13E-08	0.169742	0.00023	0.333728
0.002929	0.94967	0.010812	0.81575	0.003176	0.94542	-0.00427	0.92662	-0.0068
-0.05032	0.27786	0.02747	0.55374	0.008503	0.85459	0.018994	0.68225	0.08048
0.22474	9.27E-07	0.331501	1.93E-13	0.231172	4.40E-07	0.328976	3.00E-13	0.256691
0.108945	0.01852	0.118966	0.01008	0.135654	0.00331	0.083288	0.07215	0.037368
-0.03574	0.44104	-0.02662	0.56609	-0.02999	0.51799	-0.02108	0.6495	-0.02523
0.096548	0.03701	0.118129	0.01062	0.129783	0.00497	0.073245	0.11394	0.233432
0.185681	5.41E-05	0.230261	4.89E-07	0.209968	4.73E-06	0.19291	2.70E-05	0.18704
0.042627	0.35803	0.043659	0.3465	0.030463	0.51137	0.047272	0.30802	0.007497
0.026213	0.57204	0.048379	0.29681	0.062616	0.17674	0.022218	0.632	0.118412
0.065038	0.16056	0.10993	0.01748	0.083106	0.07278	0.101992	0.02753	0.17356
0.131713	0.00436	0.032281	0.48649	0.047749	0.30316	0.022883	0.62183	0.006776
0.101365	0.0285	0.077451	0.09457	0.107238	0.02045	0.019138	0.67997	0.021484
0.079193	0.08736	-0.01085	0.81511	0.020886	0.65258	-0.01729	0.7094	-0.07529
0.276225	1.26E-09	0.244326	8.94E-08	0.34657	1.26E-14	0.065185	0.15961	0.064758
-0.00391	0.9328	-0.01416	0.76024	0.01038	0.82298	-0.03529	0.44682	-0.00641
0.209064	5.21E-06	0.170856	0.00021	0.208317	5.64E-06	0.090318	0.05111	0.070505
0.111203	0.01621	0.236384	2.37E-07	0.131845	0.00432	0.259796	1.22E-08	0.171511
-0.02256	0.62676	0.037149	0.42317	-0.00096	0.98342	0.05103	0.2711	0.112627
0.043962	0.34316	0.037469	0.41919	0.036317	0.43364	0.047608	0.30459	-0.01098
0.043047	0.35331	0.038038	0.41216	0.092268	0.04628	-0.02294	0.62104	-0.02064
0.068521	0.13927	0.038342	0.40843	0.015066	0.74539	0.036133	0.43598	0.035362
-0.0054	0.90728	-0.00481	0.91746	0.021366	0.64513	-0.03641	0.43252	0.096275
0.089968	0.05202	0.004058	0.9303	0.03375	0.46686	0.010353	0.82343	0.088097
0.006035	0.89652	-0.02101	0.65058	0.027813	0.54881	-0.04611	0.32002	-0.04702
0.124701	0.00697	0.032805	0.47944	0.003074	0.94717	0.043029	0.35351	-0.02903
-0.04914	0.28929	-0.00953	0.83729	-0.02377	0.60839	-0.01256	0.78666	0.022872
0.07959	0.08578	0.088726	0.05536	0.059083	0.20249	0.083529	0.07133	0.109349
-0.04338	0.34965	-0.00485	0.9168	-0.02575	0.57881	-0.00125	0.97848	-0.02751
-0.00327	0.94374	-0.11001	0.0174	-0.01736	0.70831	-0.13223	0.0042	-0.15502
0.048716	0.29346	0.007276	0.87539	0.056946	0.21933	-0.02996	0.51837	-0.05741
0.003375	0.94202	-0.01492	0.7478	-0.01023	0.82548	-0.01791	0.6995	-0.00184
0.030762	0.50723	0.062384	0.17836	0.068708	0.13819	0.04513	0.33048	0.068394

0.00997	0.82986	-0.01725	0.71009	-0.00054	0.99071	-0.02535	0.58482	0.006095
-0.06095	0.18858	-0.08736	0.05924	-0.04135	0.37264	-0.10517	0.02303	-0.11988
-0.02539	0.58413	-0.00715	0.87748	0.024984	0.5902	-0.03688	0.42653	-0.01313
0.00405	0.93045	-0.01869	0.68698	0.005884	0.89908	-0.03649	0.4314	-0.05208
0.013436	0.77214	0.035246	0.44734	-0.00822	0.85941	0.044324	0.3392	-0.04042
-0.00594	0.89817	0.051989	0.26219	0.006812	0.88327	0.076146	0.10028	0.100601
0.023378	0.61432	-0.05031	0.27791	0.019969	0.66689	-0.10818	0.01937	-0.02987
0.103498	0.02531	0.082899	0.0735	0.053154	0.25163	0.106559	0.02127	0.09034
0.11427	0.01348	0.156062	0.00071	0.076331	0.09945	0.182453	7.32E-05	0.245703
0.061828	0.18226	0.114399	0.01337	0.071619	0.12222	0.135218	0.00341	0.18513
0.239169	1.69E-07	0.261201	1.01E-08	0.269239	3.38E-09	0.15641	0.00069	0.344514
0.030136	0.51592	0.008101	0.86139	0.00805	0.86225	-0.005	0.91412	0.114052
0.156865	0.00067	0.178922	0.0001	0.111004	0.0164	0.188156	4.28E-05	0.216023
-0.05239	0.25856	-0.0075	0.87161	-0.00919	0.84303	-0.00016	0.9972	0.15607
0.004776	0.91802	0.179236	9.84E-05	0.057598	0.21409	0.223946	1.01E-06	0.295135
0.061537	0.18433	0.03881	0.40273	0.017682	0.70311	0.038245	0.40962	0.148424
-0.03372	0.46732	-0.005	0.91418	-0.01964	0.67203	0.006201	0.89369	0.095166
-0.00315	0.94584	0.104741	0.0236	0.040168	0.38646	0.124293	0.00716	0.252265
0.086364	0.06221	-0.04672	0.31369	0.032764	0.47999	-0.08111	0.07995	-0.16019
0.07345	0.11293	0.045743	0.32394	0.064564	0.16364	0.01373	0.76728	0.061434
0.093136	0.04425	0.159016	0.00056	0.129917	0.00492	0.127785	0.00569	0.10862
0.324527	6.49E-13	0.195273	2.14E-05	0.184627	5.98E-05	0.176979	0.00012	0.14725
-0.03622	0.43489	-0.16425	0.00037	-0.09777	0.03468	-0.16008	0.00052	-0.28483
0.042613	0.35819	0.02352	0.61218	0.046038	0.32083	0.007923	0.86441	0.020779
0.02555	0.5818	0.022515	0.62746	-0.00388	0.9333	0.043518	0.34806	0.068662
-0.03126	0.50032	-0.11207	0.01539	-0.02399	0.60509	-0.1439	0.00182	-0.17854
0.002175	0.96261	0.018423	0.69129	0.0145	0.75465	0.012426	0.78884	0.153722
0.09851	0.03331	0.017589	0.7046	0.01417	0.76005	0.018412	0.69148	0.011573
0.100291	0.03024	0.012634	0.78539	0.025896	0.57671	0.00324	0.94434	-0.0566
0.062651	0.1765	0.03548	0.44432	0.059954	0.19591	0.019663	0.6717	0.002388
-0.03777	0.41541	-0.02493	0.59104	-0.01302	0.77895	-0.02156	0.64219	-0.03577
0.024973	0.59036	0.089076	0.0544	0.042348	0.36119	0.072566	0.11734	0.054632
-0.07456	0.1076	-0.04553	0.32618	-0.05278	0.25501	-0.01837	0.69208	-0.05224
-0.0046	0.92109	0.00538	0.90769	0.006898	0.88181	0.016546	0.72137	-0.0272
0.001939	0.96667	0.000791	0.9864	0.004811	0.91741	0.009559	0.83678	-0.00695
-0.0169	0.71566	-0.0134	0.77274	-0.01335	0.77352	-0.00704	0.87945	-0.0366
0.010163	0.82663	-0.02092	0.65198	0.013522	0.77072	-0.03155	0.49648	-0.0411
0.163206	0.0004	0.102299	0.02706	0.194449	2.32E-05	0.008177	0.86011	0.062324
0.070728	0.12694	0.042223	0.36261	0.095384	0.03936	-0.01478	0.75005	-0.00896
0.003445	0.94081	-0.03078	0.50699	-0.02021	0.66306	-0.02699	0.56074	0.055219
0.023759	0.60856	0.054256	0.24192	0.036622	0.42979	0.066499	0.15134	0.117344
-0.00533	0.90851	-0.00061	0.98953	0.018441	0.69102	-0.01776	0.70181	-0.04093
0.018928	0.68329	0.090496	0.05065	0.042017	0.36496	0.105811	0.0222	0.051875
0.10508	0.02315	0.080475	0.08235	0.143577	0.00187	0.001285	0.97791	0.034287
0.010603	0.81924	-0.00754	0.87084	0.008663	0.85188	-0.00758	0.87029	-0.04278

0.16514	0.00034	0.123858	0.00737	0.186319	5.10E-05	0.022351	0.62997	0.019073
0.094575	0.04106	0.072415	0.11811	0.097484	0.0352	0.050713	0.27409	0.01107
0.090602	0.05038	-0.00434	0.92539	0.00282	0.95154	0.012387	0.78949	-0.0521
-0.03475	0.45376	-0.05056	0.27557	-0.04868	0.29377	-0.04123	0.37406	-0.05007
0.028829	0.5343	0.025126	0.58808	0.01691	0.71551	0.032128	0.48856	0.012307
0.027176	0.558	0.12454	0.00705	0.049731	0.2835	0.146202	0.00153	0.190561
0.088576	0.05578	0.080508	0.08222	0.106331	0.02155	0.020486	0.6588	0.057718
0.120292	0.00927	0.118157	0.0106	0.180932	8.42E-05	0.010898	0.8143	0.058363
0.107067	0.02066	0.130703	0.00467	0.093544	0.04333	0.157595	0.00063	0.106663
0.108225	0.01932	0.137992	0.0028	0.124932	0.00687	0.113351	0.01425	0.255808
0.137705	0.00286	0.143954	0.00182	0.107571	0.02006	0.133079	0.00396	0.182988
0.153114	0.0009	0.269486	3.26E-09	0.158782	0.00057	0.29163	1.31E-10	0.183815
0.007444	0.87254	0.051622	0.26557	0.006636	0.88628	0.048964	0.29101	0.136707
0.09105	0.04925	-0.07187	0.12092	0.003528	0.93939	-0.1172	0.01126	-0.19297
-0.01538	0.74034	-0.01148	0.8046	0.003874	0.93346	-0.02069	0.65565	-0.02387
-0.03338	0.47173	-0.09183	0.04733	-0.05408	0.24341	-0.08645	0.06194	-0.16469
0.073572	0.11233	-0.00827	0.8586	0.019891	0.66811	-0.01862	0.68812	-0.0162
0.14818	0.00132	0.155283	0.00076	0.161239	0.00047	0.096189	0.03772	0.226659
0.136315	0.00316	0.083307	0.07209	0.119239	0.00991	0.038454	0.40706	0.02937
0.089153	0.0542	0.19481	2.24E-05	0.115835	0.01225	0.202578	1.02E-05	0.307454
0.228474	6.03E-07	0.154299	0.00082	0.216591	2.31E-06	0.083126	0.07271	0.08748
0.043005	0.35378	0.141144	0.00223	0.06553	0.15741	0.166034	0.00031	0.177733
0.138169	0.00277	0.05332	0.25015	0.036	0.43766	0.062066	0.18059	0.012791
0.079246	0.08715	0.108438	0.01908	0.068953	0.13678	0.134968	0.00348	0.068518
0.027542	0.5527	-0.10069	0.02959	-0.0435	0.34821	-0.12084	0.00895	-0.20562
0.011788	0.79945	-0.01078	0.81629	-0.00627	0.89259	-0.00681	0.88329	-0.02905
0.028274	0.54221	0.003602	0.93812	0.002126	0.96346	0.007413	0.87306	-0.06366
-0.08689	0.06062	0.019373	0.67626	-0.04886	0.29203	0.065741	0.15607	0.167098
0.265774	5.43E-09	0.181856	7.74E-05	0.183243	6.80E-05	0.120488	0.00915	0.039069
-0.00652	0.88833	-0.02506	0.58908	-0.01321	0.7758	-0.0215	0.64299	-0.03855
0.012167	0.79314	0.029231	0.52861	0.027687	0.55063	0.037431	0.41966	0.062842
0.058499	0.207	0.040806	0.37895	0.038199	0.41018	0.040397	0.38375	-0.01061
0.211098	4.19E-06	0.129207	0.00517	0.136155	0.0032	0.119632	0.00966	0.095149
0.038332	0.40855	-0.06833	0.14036	0.0155	0.73832	-0.10496	0.0233	-0.21618
-0.08763	0.05844	-0.07925	0.08713	-0.07976	0.08511	-0.06408	0.1668	-0.0966
0.009448	0.83864	-0.03575	0.44081	-0.01458	0.75341	-0.02921	0.52891	-0.08421
-0.00292	0.94985	0.005541	0.90494	0.01148	0.80457	1.62E-05	0.99972	-0.06215
-0.03352	0.46987	-0.1263	0.00628	-0.07073	0.12692	-0.1337	0.0038	-0.27222
-0.02825	0.5426	-0.10573	0.0223	-0.05494	0.23601	-0.09911	0.03225	-0.20819
0.075947	0.10117	0.032111	0.48879	0.023765	0.60847	0.022741	0.624	0.001333
0.032467	0.48398	0.072333	0.11853	0.043755	0.34544	0.078487	0.09023	0.061649
0.033145	0.47489	0.121762	0.00844	0.055171	0.23406	0.148694	0.00127	0.090452
0.221863	1.28E-06	0.203869	8.97E-06	0.22483	9.17E-07	0.139739	0.00247	0.104711
-0.04635	0.31759	-0.06211	0.18028	-0.0154	0.73989	-0.06498	0.16095	-0.13515
0.077154	0.09585	0.080296	0.08303	0.094585	0.04104	0.053959	0.24451	0.212592

0.04996	0.2813	0.135008	0.00347	0.053036	0.25269	0.165944	0.00032	0.099019
0.149267	0.00122	0.201649	1.13E-05	0.179053	0.0001	0.182241	7.47E-05	0.141586
0.112276	0.0152	0.06438	0.16484	0.070499	0.12818	0.04008	0.3875	0.069028
0.058559	0.20653	0.156679	0.00068	0.075884	0.10146	0.197438	1.73E-05	0.203527
0.293448	9.97E-11	0.30829	9.70E-12	0.288434	2.13E-10	0.246645	6.69E-08	0.272614
0.025312	0.58534	0.058326	0.20835	0.040603	0.38133	0.064207	0.16598	0.034989
-0.08501	0.06642	-0.0998	0.03106	-0.07339	0.11323	-0.09606	0.03797	-0.09702
0.137086	0.00299	0.228681	5.89E-07	0.175671	0.00014	0.237215	2.14E-07	0.164671
0.105649	0.02241	0.131329	0.00447	0.118685	0.01026	0.098257	0.03377	0.307302
-0.01938	0.6762	-0.00441	0.92427	-0.01303	0.77878	-0.00952	0.83743	-0.00468
-0.01726	0.70984	-0.00962	0.83576	-0.01962	0.67239	-0.01362	0.76917	-0.02736
0.015276	0.74196	0.053633	0.24738	0.025411	0.58387	0.059626	0.19836	0.061075
0.000418	0.99282	-0.09444	0.04135	-0.06598	0.1546	-0.0964	0.0373	-0.14008
0.002778	0.95225	-0.02727	0.55669	-0.00388	0.93332	-0.02844	0.53984	-0.04763
0.005479	0.90599	-0.01697	0.71453	0.013163	0.77663	-0.02384	0.60728	-0.03726
0.046622	0.31472	-0.03622	0.43483	-0.04301	0.35372	-0.01769	0.70301	-0.00895
0.106271	0.02162	0.050362	0.27743	0.056919	0.21955	0.048475	0.29585	0.068926
0.132703	0.00407	0.156129	0.00071	0.101693	0.02799	0.161051	0.00048	0.174791
0.006143	0.89467	0.025368	0.58449	0.001491	0.97436	0.044185	0.34071	-0.01702
0.049726	0.28355	0.027145	0.55845	0.076741	0.09764	-0.0382	0.41017	-0.05094
-0.03776	0.41554	0.055258	0.23332	-0.00501	0.9141	0.071849	0.12102	0.099359
0.161522	0.00046	0.135799	0.00328	0.148489	0.00129	0.101536	0.02823	0.162857
0.191748	3.03E-05	0.041599	0.36975	0.069155	0.13564	0.031797	0.49305	0.013014
0.104204	0.02433	0.119944	0.00947	0.077623	0.09384	0.124838	0.00691	0.03719
0.195746	2.04E-05	0.194875	2.23E-05	0.136708	0.00307	0.189271	3.85E-05	0.162573
0.255215	2.23E-08	0.122353	0.00812	0.216634	2.30E-06	0.002475	0.95746	-0.0094
-0.00381	0.9346	-0.14942	0.0012	-0.09529	0.03956	-0.13488	0.0035	-0.18934
-0.01359	0.76958	-0.06224	0.1794	0.00343	0.94107	-0.07205	0.11996	-0.16191
0.08854	0.05588	0.096111	0.03787	0.089133	0.05425	0.08407	0.06951	0.093442
-0.02376	0.60861	-0.0294	0.52621	-0.00784	0.86582	-0.0388	0.40288	-0.034
-0.00392	0.93275	0.039415	0.39543	0.019449	0.67506	0.037651	0.41693	0.138013
0.026364	0.56983	-0.12873	0.00534	-0.04609	0.32032	-0.1536	0.00087	-0.3051
0.11023	0.01717	0.024012	0.60475	0.065322	0.15874	0.001042	0.98209	-0.02261
0.027473	0.5537	-0.03936	0.39611	-0.00817	0.86017	-0.05388	0.24517	-0.0404
0.094307	0.04164	0.064414	0.16461	0.067678	0.14421	0.047138	0.30939	0.096712
0.022253	0.63147	0.005536	0.90503	0.025944	0.576	-0.0224	0.62926	-0.05016
-0.01235	0.79002	0.051775	0.26416	0.030739	0.50755	0.033405	0.47143	0.095029
0.047579	0.30489	-0.0018	0.96913	0.056015	0.22697	-0.04272	0.35699	-0.04952
0.117024	0.01138	0.051258	0.26896	0.064447	0.1644	0.036565	0.43051	0.06728
0.112881	0.01466	0.177374	0.00012	0.164197	0.00037	0.11152	0.01591	0.199391
0.106757	0.02103	0.108086	0.01947	0.102419	0.02688	0.07858	0.08985	0.100893
0.076295	0.09961	0.220971	1.42E-06	0.109223	0.01822	0.254626	2.41E-08	0.131901
0.070988	0.12555	0.070174	0.12996	0.071642	0.12209	0.054587	0.23906	0.089272
0.108823	0.01865	0.084838	0.06699	0.078121	0.09174	0.077506	0.09434	0.060387
0.365347	3.41E-16	0.253422	2.81E-08	0.267364	4.37E-09	0.173928	0.00016	0.139171

0.05034	0.27764	0.118613	0.0103	0.086929	0.06051	0.096129	0.03784	0.250946
0.00105	0.98194	0.024967	0.59046	-0.00458	0.92132	0.049052	0.29014	0.093592
0.026242	0.57162	0.095769	0.03857	0.05895	0.20351	0.072213	0.11914	0.093099
0.173955	0.00016	0.108155	0.01939	0.159925	0.00052	0.037002	0.42502	0.008637
0.217395	2.11E-06	0.179887	9.27E-05	0.229797	5.17E-07	0.067838	0.14326	0.049867
0.046193	0.3192	0.070636	0.12744	0.062391	0.17831	0.068918	0.13699	0.040665
0.191805	3.01E-05	0.160249	0.00051	0.118995	0.01006	0.180858	8.48E-05	0.128391
0.173075	0.00017	0.09476	0.04067	0.094484	0.04126	0.075824	0.10173	0.051619
0.057884	0.21182	0.003748	0.93562	0.063871	0.16821	-0.02998	0.51813	-0.01551
0.111163	0.01625	0.001182	0.97967	0.022923	0.62123	0.003743	0.9357	0.002237
0.177885	0.00011	0.056491	0.22304	0.135638	0.00332	-0.0342	0.46096	-0.05818
0.050823	0.27305	0.067357	0.14613	0.051301	0.26856	0.072011	0.12018	0.02233
0.178426	0.00011	0.18703	4.76E-05	0.139974	0.00243	0.165219	0.00034	0.170066
0.050632	0.27486	0.021211	0.64753	0.04539	0.32769	0.002333	0.9599	-0.00781
0.037467	0.41922	0.022187	0.63247	0.042754	0.35659	-0.01188	0.79789	-0.06601
0.105494	0.02261	0.051308	0.26849	0.043244	0.35111	0.039637	0.39277	0.015495
-0.02641	0.56914	-0.01923	0.6785	-0.01829	0.69335	-0.00577	0.90108	-0.043
0.039754	0.39137	0.006413	0.89007	-0.00904	0.84545	0.020649	0.65627	0.072748
0.077167	0.09579	-0.0262	0.57221	-0.00231	0.96025	-0.03932	0.39654	0.037651
-0.12714	0.00594	-0.10187	0.02771	-0.10349	0.02532	-0.07092	0.12593	-0.07982
0.102618	0.02659	0.053108	0.25204	0.091562	0.04798	0.010023	0.82897	0.082197
0.043487	0.3484	-0.02845	0.53969	0.01417	0.76006	-0.04687	0.31217	-0.07937
0.138703	0.00267	0.091045	0.04926	0.147937	0.00135	0.013204	0.77595	0.026488
-0.04637	0.3174	-0.09851	0.03331	-0.07316	0.11435	-0.09028	0.05122	-0.08398
0.092427	0.0459	0.007271	0.87548	0.031609	0.4956	0.013562	0.77006	-0.01397
0.183798	6.46E-05	0.085275	0.06559	0.085186	0.06587	0.089955	0.05206	0.046359
0.041387	0.3722	0.077832	0.09296	0.072288	0.11876	0.057955	0.21126	0.046074
0.318418	1.83E-12	0.173318	0.00017	0.214143	3.02E-06	0.099615	0.03137	0.08728
0.302558	2.42E-11	0.208079	5.78E-06	0.129726	0.00499	0.250356	4.17E-08	0.14684
0.125894	0.00645	-0.02674	0.56436	0.082135	0.0762	-0.10334	0.02553	0.007288
-0.0245	0.59746	-0.02479	0.59307	-0.02623	0.57179	-0.0213	0.64612	-0.02073
0.010912	0.81407	0.104508	0.02391	0.053669	0.24706	0.108416	0.0191	0.167486
0.013488	0.77128	-0.18028	8.95E-05	-0.04415	0.34113	-0.22718	7.01E-07	-0.30588
0.110491	0.01691	0.113308	0.01429	0.100723	0.02953	0.090601	0.05038	0.078721
-6.39E-07	0.99999	-0.06173	0.18295	-0.03159	0.49592	-0.0626	0.17685	-0.12032
-0.01775	0.70203	-0.0507	0.27419	-0.04094	0.37741	-0.0376	0.41761	-0.06723
0.019505	0.67419	-0.00346	0.94063	0.000924	0.98411	-0.00959	0.83619	-0.031
-0.03106	0.50308	-0.00812	0.86114	-0.01319	0.77614	-0.00683	0.88299	-0.058
0.117639	0.01095	0.152073	0.00098	0.13925	0.00256	0.131863	0.00431	0.081133
-0.14249	0.00202	-0.12239	0.0081	-0.15032	0.00112	-0.08887	0.05495	-0.10952
0.024781	0.59322	0.063852	0.16834	0.041532	0.37052	0.047093	0.30986	0.093597
0.209238	5.11E-06	0.1639	0.00038	0.18797	4.36E-05	0.094172	0.04194	0.065398
0.029742	0.52142	0.05135	0.26811	0.027993	0.54623	0.057534	0.2146	0.112326
0.017751	0.70201	0.0661	0.15382	0.040609	0.38126	0.067332	0.14628	0.059151
0.089934	0.05211	0.163379	0.00039	0.129801	0.00496	0.124406	0.00711	0.235447



-0.08534	0.0654	-0.07356	0.11237	-0.05774	0.21299	-0.0667	0.15012	-0.13878
-0.04176	0.36795	-0.0591	0.2024	-0.04989	0.28194	-0.0359	0.43891	-0.04887
0.02985	0.51991	-0.00888	0.84821	-0.00742	0.87301	0.003116	0.94645	-0.02057
0.171879	0.00019	0.111529	0.0159	0.084761	0.06724	0.133174	0.00394	0.18211
0.046025	0.32097	-0.04617	0.31942	0.023096	0.6186	-0.08621	0.06269	-0.16449
-0.02962	0.52307	-0.01448	0.75504	-0.02069	0.65559	-0.01641	0.72349	-0.01665
0.14947	0.0012	0.096959	0.0362	0.142556	0.00201	0.038219	0.40994	0.148541
0.206611	6.74E-06	0.146696	0.00148	0.118346	0.01048	0.147994	0.00134	0.314886
-0.02653	0.56744	-0.02323	0.6166	-0.01422	0.75923	-0.02174	0.6394	0.001274
0.068711	0.13817	0.016542	0.72144	0.08156	0.07828	-0.02217	0.63272	-0.06353
0.053967	0.24444	0.077501	0.09436	0.064008	0.1673	0.063943	0.16773	0.189932
0.216214	2.41E-06	0.128203	0.00553	0.12937	0.00511	0.127319	0.00586	0.151422
0.328751	3.12E-13	0.0723	0.11869	0.113015	0.01454	0.058629	0.20599	0.049855
0.043591	0.34725	0.013312	0.77418	0.028767	0.53518	-0.00261	0.9551	-0.01381
0.198511	1.55E-05	0.142909	0.00196	0.139816	0.00246	0.09597	0.03816	0.207887
0.033685	0.46771	0.056747	0.22095	0.024316	0.60019	0.068136	0.14151	0.010627
-0.00843	0.85575	0.11905	0.01002	0.012343	0.79022	0.179161	9.91E-05	0.100142
0.005517	0.90536	0.018693	0.68701	0.005371	0.90784	0.031504	0.49705	0.091229
0.032177	0.48789	0.116697	0.01161	0.045277	0.3289	0.155638	0.00074	0.155043
-0.05348	0.24873	-0.07241	0.11814	-0.04372	0.34579	-0.05923	0.20134	-0.2089
0.040622	0.38111	0.10194	0.02761	0.041649	0.36917	0.1295	0.00507	0.14641
0.068403	0.13995	0.076505	0.09868	0.075822	0.10173	0.040616	0.38117	0.01786
0.166495	0.0003	0.126797	0.00607	0.149209	0.00122	0.08289	0.07353	0.012681
0.051512	0.26659	0.028457	0.53959	0.058961	0.20343	-0.01512	0.74454	-0.00877
0.067019	0.14817	0.032216	0.48737	0.081711	0.07773	-0.01917	0.67946	-0.00409
0.000927	0.98406	0.022096	0.63388	0.001755	0.96983	0.028464	0.53949	0.04459
-0.02113	0.64873	0.018305	0.69318	-0.02739	0.55484	0.043433	0.349	-0.07331
0.204176	8.69E-06	0.146567	0.00149	0.173333	0.00017	0.08909	0.05436	0.051178
0.108421	0.0191	0.024183	0.60218	0.045017	0.33169	0.016285	0.72559	-0.00287
0.262663	8.29E-09	0.134643	0.00356	0.185734	5.39E-05	0.054036	0.24384	0.03092
0.032968	0.47726	-0.06034	0.19304	-0.09022	0.05135	-0.01682	0.71695	-0.08501
0.023869	0.6069	0.072205	0.11918	0.041559	0.37021	0.065001	0.1608	0.190556
0.037496	0.41886	0.086017	0.06327	0.073076	0.11478	0.07211	0.11967	0.152216
-0.01441	0.75611	0.042385	0.36077	0.020772	0.65434	0.052459	0.25789	0.111577
0.118478	0.01039	0.086076	0.06309	0.080224	0.08331	0.057449	0.21527	0.160563
0.204111	8.75E-06	0.286842	2.70E-10	0.217291	2.14E-06	0.278589	9.02E-10	0.199538
0.30434	1.83E-11	0.278282	9.42E-10	0.363637	4.79E-16	0.1145	0.01329	0.135987
0.040445	0.38319	0.027782	0.54926	0.021943	0.63622	0.036558	0.4306	0.01413
0.053625	0.24745	0.137932	0.00282	0.055297	0.23299	0.178341	0.00011	0.285598
0.250091	4.32E-08	0.318745	1.73E-12	0.252573	3.14E-08	0.277262	1.09E-09	0.240751
0.080933	0.08061	0.155683	0.00074	0.083038	0.07301	0.168969	0.00024	0.220519
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0.094999	0.04016	0.190695	3.35E-05	0.129467	0.00508	0.186781	4.88E-05	0.232088
-0.00553	0.9051	0.093709	0.04296	0.026589	0.56653	0.115208	0.01273	0.210519
0.013315	0.77412	0.049825	0.28259	0.026413	0.56911	0.039527	0.39409	0.075553

0.044568	0.33654	0.080201	0.0834	0.018894	0.68383	0.106902	0.02085	0.094213
0.052512	0.25741	-0.00291	0.95008	0.044625	0.33592	-0.0263	0.57081	-0.0274
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0.366501	2.71E-16	0.177721	0.00011	0.222622	1.18E-06	0.116549	0.01172	0.089793
0.146851	0.00146	0.190403	3.45E-05	0.150647	0.00109	0.182591	7.23E-05	0.153722
-0.00039	0.99327	-0.00136	0.9766	-0.01158	0.80285	0.0093	0.84113	-0.01945
0.061567	0.18413	0.023864	0.60698	0.01545	0.73913	0.011339	0.80693	-0.00848
-0.00863	0.85241	-0.002	0.96562	-0.00055	0.99047	0.003921	0.93266	-0.01
0.043385	0.34954	0.068298	0.14056	0.053994	0.24421	0.062066	0.18059	0.055289
0.043322	0.35024	0.057947	0.21132	0.031627	0.49536	0.056443	0.22344	0.179884
0.036257	0.4344	0.092665	0.04534	0.056655	0.2217	0.098251	0.03378	0.161935
0.128878	0.00528	0.2486	5.22E-08	0.173463	0.00017	0.259929	1.20E-08	0.316126
0.13793	0.00282	0.251796	3.47E-08	0.170142	0.00022	0.268198	3.90E-09	0.376514
0.067843	0.14323	0.187705	4.47E-05	0.106741	0.02105	0.201426	1.15E-05	0.276257
0.001623	0.97209	-0.00701	0.87984	-0.00938	0.83981	-0.00891	0.84772	0.009191
0.010622	0.81893	-0.01292	0.78064	-0.01838	0.69194	-0.02085	0.65316	0.019683
0.041283	0.3734	-0.03804	0.41219	-0.02146	0.6437	-0.03757	0.41793	-0.06406
0.103851	0.02481	0.042445	0.36009	0.041405	0.37199	0.044846	0.33353	0.049996
0.108224	0.01932	-0.00505	0.91326	0.065984	0.15455	-0.0548	0.2372	0.02697
0.038087	0.41156	-0.07392	0.11062	-0.01007	0.82823	-0.07588	0.10147	-0.0688
0.089826	0.05239	-0.00599	0.89725	0.010265	0.8249	0.004591	0.92118	-0.06246
0.008668	0.8518	-0.01712	0.71212	-0.00067	0.98855	-0.0349	0.45175	-0.04914
0.078759	0.08911	-0.11269	0.01483	0.003496	0.93994	-0.16855	0.00025	-0.20766
0.076052	0.1007	0.083522	0.07135	0.06259	0.17693	0.079966	0.08431	0.153038
-0.06714	0.14745	-0.09279	0.04505	-0.07413	0.1096	-0.09309	0.04437	-0.04107
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0.017115	0.71221	0.056082	0.22642	0.070928	0.12587	0.008959	0.84689	0.059339
0.075304	0.1041	-0.03785	0.41452	-0.0087	0.85125	-0.04475	0.33458	-0.00636
-0.00304	0.94777	0.108829	0.01865	0.027593	0.55198	0.147931	0.00135	0.212963
0.111674	0.01576	0.133707	0.0038	0.125984	0.00641	0.104955	0.02331	0.060621
0.085822	0.06387	0.283005	4.75E-10	0.131245	0.0045	0.35023	6.36E-15	0.259197
0.273133	1.96E-09	0.21727	2.14E-06	0.243789	9.56E-08	0.120236	0.0093	0.24156
0.009405	0.83937	0.053022	0.25281	0.03199	0.49042	0.027293	0.5563	0.10277
0.096163	0.03777	0.031393	0.49857	0.027707	0.55034	0.03026	0.51419	0.011322
0.067488	0.14534	0.041512	0.37076	0.051664	0.26518	0.025457	0.58319	0.120235
0.134884	0.0035	0.136493	0.00312	0.147175	0.00143	0.080453	0.08243	0.14994
0.050673	0.27447	0.051376	0.26786	0.051341	0.26819	0.033473	0.47053	0.067998
0.002283	0.96076	-0.01046	0.82155	0.016802	0.71725	-0.02131	0.64602	-0.09226
0.067538	0.14505	0.147652	0.00138	0.100303	0.03022	0.133738	0.00379	0.188663
0.026119	0.57343	0.070674	0.12724	0.014837	0.74913	0.094093	0.04211	0.070322
0.220975	1.42E-06	0.174177	0.00016	0.19592	2.01E-05	0.107393	0.02027	0.126067
0.166817	0.00029	0.247424	6.06E-08	0.219934	1.59E-06	0.191033	3.25E-05	0.252841
0.292522	1.15E-10	0.302337	2.51E-11	0.258421	1.46E-08	0.24973	4.52E-08	0.175581
0.201898	1.10E-05	0.172554	0.00018	0.237108	2.17E-07	0.063114	0.17332	0.039858
0.144029	0.00181	0.106338	0.02154	0.127221	0.0059	0.067341	0.14622	0.099343

0.358121	1.41E-15	0.336504	7.93E-14	0.3428	2.53E-14	0.252489	3.17E-08	0.281381
0.043543	0.34778	0.057388	0.21577	0.095443	0.03923	0.014544	0.75392	-0.01176
0.027588	0.55205	0.122997	0.00779	0.016507	0.722	0.187645	4.49E-05	0.135855
-0.04804	0.30022	-0.02594	0.57608	-0.03009	0.51651	-0.00967	0.83484	0.012389
0.086138	0.06289	0.01954	0.67364	0.07067	0.12726	-0.03886	0.40217	-0.10183
0.124091	0.00726	0.087603	0.05853	0.115481	0.01252	0.044808	0.33395	0.178185
0.121862	0.00838	0.17134	0.0002	0.104258	0.02425	0.181217	8.21E-05	0.135853
0.098666	0.03303	0.079594	0.08577	0.080794	0.08113	0.066609	0.15067	0.017231
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0.00517	0.91127	0.070944	0.12578	0.015513	0.73811	0.104631	0.02374	0.045185
-0.06463	0.16323	-0.04436	0.33876	-0.03256	0.48267	-0.03594	0.4384	-0.06354
-0.0486	0.29465	-0.0503	0.27801	-0.04693	0.31154	-0.04189	0.36641	-0.07752
0.065959	0.1547	-0.00251	0.95685	0.009509	0.83762	-0.00493	0.91533	-0.09058
0.046329	0.31778	0.048204	0.29856	0.060645	0.19079	0.034367	0.45875	0.099691
-0.07021	0.12978	-0.0788	0.08895	-0.05205	0.26163	-0.06937	0.13442	-0.11212
-0.0056	0.90398	0.003089	0.94692	-0.00081	0.98616	0.015114	0.74461	0.000851
0.272988	2.00E-09	0.098654	0.03306	0.088705	0.05542	0.116964	0.01142	0.043615
0.232232	3.88E-07	0.331449	1.95E-13	0.329415	2.78E-13	0.21151	4.01E-06	0.312031
-0.05521	0.23375	-0.04157	0.37014	-0.00205	0.96473	-0.07318	0.11428	-0.02322
0.044312	0.33933	0.059584	0.19868	0.055794	0.22881	0.046588	0.31508	0.027078
0.160431	0.0005	0.131469	0.00443	0.173208	0.00017	0.076826	0.09727	0.057577
0.207519	6.13E-06	0.104044	0.02454	0.137648	0.00287	0.04284	0.35563	0.114715
0.115702	0.01235	0.123802	0.00739	0.161092	0.00047	0.063566	0.17026	0.042388
0.088859	0.055	0.1437	0.00185	0.090724	0.05007	0.17643	0.00013	0.054854
0.062962	0.17436	0.020635	0.65649	0.037892	0.41395	0.026547	0.56716	-0.00995
0.029721	0.52171	-0.13151	0.00442	-0.10575	0.02228	-0.11169	0.01575	-0.17278
0.283114	4.67E-10	0.198561	1.54E-05	0.284264	3.95E-10	0.062342	0.17865	0.05259
-0.09511	0.03992	-0.16653	0.0003	-0.11939	0.00981	-0.15071	0.00109	-0.27658
0.001721	0.97041	0.003547	0.93906	0.003049	0.94761	0.000282	0.99516	0.004024
0.146804	0.00147	0.256874	1.79E-08	0.18902	3.94E-05	0.242191	1.17E-07	0.293478
-0.07115	0.12467	-0.07635	0.09939	-0.02858	0.53788	-0.09708	0.03597	-0.14747
0.086404	0.06208	0.01332	0.77404	0.03715	0.42316	0.011293	0.80769	0.003245
-0.00962	0.83576	-0.0112	0.80932	-0.00885	0.84873	-0.00908	0.8448	-0.01099
-0.02096	0.65146	-0.01734	0.70856	-0.01899	0.68227	-0.01052	0.82061	-0.02519
-0.02426	0.60102	-0.04597	0.32155	0.009316	0.84086	-0.08476	0.06724	-0.13809
-0.02557	0.58155	-0.05789	0.21175	-0.00932	0.84085	-0.08896	0.05472	-0.10079
0.086533	0.06169	0.188366	4.20E-05	0.100502	0.02989	0.245101	8.12E-08	0.175231
0.026873	0.56241	-0.00766	0.86888	-0.00282	0.95156	-0.00376	0.93546	-0.0248
0.027887	0.54775	0.010027	0.8289	0.030399	0.51227	0.021066	0.64979	0.037884
0.222859	1.15E-06	0.132649	0.00408	0.144983	0.00168	0.090636	0.0503	-0.01013
-0.22708	7.08E-07	-0.22756	6.70E-07	-0.17689	0.00012	-0.20434	8.54E-06	-0.29795
0.083346	0.07195	0.086437	0.06199	0.0605	0.19186	0.088292	0.05657	0.15451
0.012927	0.78055	0.007487	0.87181	0.002015	0.96537	0.009495	0.83786	-0.00708
0.065156	0.15979	0.082887	0.07354	0.044347	0.33894	0.107846	0.01975	0.083207
0.173191	0.00017	0.084316	0.06869	0.145715	0.00159	0.023647	0.61026	0.053367

0.005849	0.89969	-0.03814	0.4109	-0.01362	0.7691	-0.06767	0.14428	-0.11142
-0.01585	0.73261	0.002599	0.95533	-0.00312	0.94643	0.014831	0.74923	0.027472
-0.16901	0.00024	-0.22549	8.50E-07	-0.1768	0.00012	-0.18691	4.82E-05	-0.29551
0.04405	0.3422	0.087492	0.05886	0.085332	0.06541	0.056655	0.2217	0.153121
-0.07367	0.11185	-0.05281	0.25475	-0.03483	0.45269	-0.05523	0.23354	-0.03668
0.120118	0.00937	0.140419	0.00235	0.132764	0.00405	0.10332	0.02556	0.150758
0.168008	0.00027	0.047055	0.31024	0.093563	0.04329	0.000674	0.98842	-0.04988
0.075229	0.10445	-0.00473	0.91884	0.054629	0.23869	-0.04722	0.30853	-0.11863
0.031285	0.50003	0.021618	0.64123	0.028766	0.5352	0.003933	0.93244	-0.01293
-0.00743	0.87279	0.016799	0.71729	-0.00032	0.99446	0.031787	0.49318	0.015022
0.116038	0.01209	0.079038	0.08799	0.105279	0.02289	0.045037	0.33148	0.038268
0.007599	0.86991	0.040777	0.37929	0.010059	0.82836	0.063917	0.16791	0.033323
-0.00879	0.84976	-0.01831	0.69302	0.004641	0.92033	-0.01959	0.67277	-0.07646
0.161811	0.00045	0.095291	0.03955	0.155912	0.00072	0.021485	0.64329	0.023484
0.186504	5.01E-05	0.121767	0.00843	0.109125	0.01833	0.10775	0.01986	0.099901
0.067652	0.14436	0.06604	0.1542	0.033007	0.47673	0.071947	0.12051	0.056608
0.186391	5.06E-05	0.207783	5.96E-06	0.113471	0.01415	0.234324	3.03E-07	0.155699
0.214904	2.78E-06	0.239585	1.60E-07	0.224232	9.82E-07	0.189259	3.85E-05	0.22879
0.026386	0.56951	0.097196	0.03575	0.075648	0.10253	0.084274	0.06883	0.08269
-0.0016	0.97244	-0.0265	0.56777	-0.01929	0.67753	-0.00837	0.85686	-0.03038
0.150571	0.0011	0.03772	0.41608	0.118893	0.01012	-0.0174	0.7076	-0.00165
0.15583	0.00073	0.259875	1.20E-08	0.211923	3.84E-06	0.220657	1.47E-06	0.149725
0.000168	0.99711	-0.08133	0.07914	-0.0585	0.20703	-0.07325	0.1139	-0.13686
0.131375	0.00446	0.113557	0.01407	0.097725	0.03475	0.102886	0.02619	0.164713
0.072998	0.11517	-0.06385	0.16837	-0.00286	0.95085	-0.08589	0.06366	-0.0486
0.040447	0.38317	0.087532	0.05874	0.067474	0.14543	0.058698	0.20546	0.152166
-0.12447	0.00708	-0.14487	0.0017	-0.10218	0.02724	-0.13352	0.00385	-0.24737
0.001703	0.97072	-0.01144	0.80531	-0.00899	0.84645	-0.00333	0.9427	0.035944
-0.07024	0.1296	-0.03337	0.47183	-0.09023	0.05133	0.027198	0.55768	-0.09915
-0.08931	0.05377	-0.13169	0.00436	-0.10739	0.02027	-0.11837	0.01046	-0.12692
-0.1053	0.02286	-0.10445	0.02399	-0.11048	0.01692	-0.07928	0.08701	-0.1295
-0.00312	0.94641	-0.17545	0.00014	-0.11967	0.00964	-0.16227	0.00043	-0.32253
0.147366	0.00141	0.164856	0.00035	0.093035	0.04449	0.177047	0.00012	0.251001
0.15751	0.00064	0.168764	0.00025	0.156928	0.00067	0.142541	0.00202	0.113577
0.122793	0.00789	0.053137	0.25178	0.085932	0.06353	0.018759	0.68597	0.096715
0.03902	0.40018	-0.05988	0.19646	-0.00979	0.83283	-0.0847	0.06742	-0.11582
0.027031	0.5601	-0.00171	0.97055	-0.00617	0.89429	-0.01502	0.74613	-0.05687
0.055034	0.23522	0.104398	0.02406	0.109444	0.01799	0.078444	0.0904	0.049365
-0.0925	0.04574	-0.05819	0.20944	-0.04057	0.3817	-0.07712	0.09601	-0.09766
-0.14092	0.00227	-0.06828	0.14065	-0.08531	0.06549	-0.03309	0.47557	-0.09423
-0.00309	0.94687	-0.03065	0.50872	0.025599	0.58107	-0.06457	0.16358	-0.04959
0.022969	0.62053	0.007035	0.87949	0.009523	0.83739	-0.0042	0.92786	-0.07324
0.161799	0.00045	0.056914	0.21959	0.115556	0.01246	0.007422	0.8729	0.021668
0.043908	0.34376	0.124319	0.00715	0.098569	0.03321	0.100236	0.03033	0.171846
-0.08656	0.06162	-0.16924	0.00024	-0.1036	0.02516	-0.16641	0.0003	-0.27092

0.024813	0.59275	0.068342	0.14031	0.037628	0.41722	0.065201	0.15951	0.140237
-0.01886	0.68444	-0.04551	0.32643	-0.01776	0.70182	-0.027	0.56053	-0.05265
-0.02587	0.57707	0.013203	0.77597	-0.00413	0.92911	0.000911	0.98433	0.171327
-0.04007	0.38762	-0.02672	0.5646	-0.01151	0.80404	-0.01541	0.73971	0.036661
-0.01681	0.71705	-0.01694	0.71495	-0.01947	0.6748	-0.01699	0.71419	-0.0045
-0.02387	0.60685	0.039629	0.39287	-0.01402	0.76258	0.082664	0.07432	0.031888
-0.03231	0.48604	0.001731	0.97025	-0.00942	0.83914	-0.00551	0.9054	0.152195
0.046882	0.31203	-0.00563	0.90341	0.020957	0.65146	-0.0091	0.84455	-0.09542
-0.1359	0.00325	-0.1401	0.00241	-0.12106	0.00883	-0.13264	0.00409	-0.20118
-0.00972	0.83407	-0.02398	0.60516	-0.0239	0.60639	-0.01283	0.78215	0.027246
0.019176	0.67937	0.080769	0.08123	0.04028	0.38513	0.082685	0.07425	0.137884
0.167238	0.00028	0.350323	6.25E-15	0.215099	2.72E-06	0.354177	3.01E-15	0.217982
0.064529	0.16386	0.085687	0.06429	0.077945	0.09248	0.06863	0.13864	0.001257
-0.05625	0.22506	-0.01115	0.81015	0.000869	0.98506	-0.02187	0.63728	-0.00568
0.205971	7.21E-06	0.208548	5.50E-06	0.142022	0.00209	0.229313	5.47E-07	0.183661
0.107749	0.01986	0.09275	0.04515	0.093164	0.04419	0.081694	0.07779	0.051838
0.123117	0.00773	0.118112	0.01063	0.143444	0.00189	0.072263	0.11889	0.051312
0.022517	0.62743	0.004909	0.91574	0.013853	0.76526	0.01723	0.71036	-0.01761
-0.04259	0.35843	-0.03402	0.46328	-0.03365	0.4682	-0.01719	0.71102	-0.06322
-0.03363	0.46842	-0.02486	0.59202	-0.02925	0.52838	-0.01174	0.80018	-0.04403
-0.005	0.91416	-0.02348	0.61273	0.01732	0.70891	-0.04221	0.36279	0.033464
0.046165	0.3195	0.042233	0.36249	0.046612	0.31483	0.045255	0.32914	0.040754
0.021837	0.63785	0.011565	0.80316	0.018295	0.69333	0.010175	0.82642	0.078048
-0.0526	0.25665	-0.03118	0.50154	-0.03671	0.42867	-0.02161	0.64133	-0.03063
0.081962	0.07682	0.07592	0.10129	0.091583	0.04793	0.062431	0.17803	0.131807
-0.05062	0.27501	-0.10408	0.0245	-0.04732	0.30748	-0.10925	0.0182	-0.1681
0.019382	0.67612	-0.00098	0.9832	-0.02335	0.61474	0.008497	0.85469	-0.0238
0.108825	0.01865	0.280513	6.83E-10	0.142328	0.00205	0.331028	2.10E-13	0.259117
-0.00771	0.86801	0.033502	0.47014	0.024443	0.59828	0.053842	0.24553	0.118053
-0.07168	0.1219	-0.0348	0.45305	-0.04393	0.34356	-0.03137	0.49889	0.081593
0.05956	0.19887	0.037411	0.41992	0.061316	0.18592	0.032205	0.48751	0.141532
-0.0013	0.97766	-0.00793	0.86424	0.015992	0.73034	-0.0055	0.90558	0.090898
-0.00815	0.86061	-0.02513	0.58799	0.005025	0.91376	-0.02272	0.62437	0.069705
-0.03003	0.5174	-0.03326	0.47335	-0.02307	0.61897	-0.01883	0.6849	0.112019
-0.00663	0.88632	-0.02727	0.5566	-0.01013	0.82725	-0.01747	0.70659	-0.01109
-0.00494	0.91529	-0.01471	0.75114	-0.00014	0.99751	-0.0074	0.87335	0.055887
0.055205	0.23377	0.037065	0.42423	0.054215	0.24227	0.038667	0.40447	-0.02256
0.049771	0.28312	0.014203	0.75951	0.060656	0.19071	-0.02805	0.54546	-0.07917
0.037535	0.41838	-0.01359	0.76954	0.017457	0.70671	-0.03815	0.41084	-0.05234
0.038256	0.40948	0.018111	0.69627	0.00712	0.87804	0.029952	0.51848	0.001185
-0.0629	0.1748	-0.05118	0.26973	-0.04	0.38844	-0.03256	0.48267	-0.0731
-0.0322	0.48754	-0.0249	0.59152	-0.002	0.96555	-0.01918	0.67923	-0.05758
-0.0015	0.97426	0.004835	0.91701	0.01715	0.71164	0.019208	0.67886	0.005679
-0.01686	0.71635	-0.01513	0.74433	0.003362	0.94223	-0.00263	0.95486	-0.03499
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-0.03599	0.43777	-0.02726	0.55682	-0.01322	0.77571	-0.01337	0.77326	-0.03978
-0.01359	0.76962	-0.01713	0.71199	0.00662	0.88654	-0.01542	0.7396	-0.02962
-0.04094	0.37743	-0.0319	0.49169	-0.00853	0.85416	-0.02709	0.55923	-0.05959
0.017479	0.70636	0.051725	0.26462	0.034248	0.4603	0.067234	0.14687	0.048636
0.006994	0.88018	0.051636	0.26544	0.03999	0.38857	0.063967	0.16757	0.07978
0.029685	0.52222	-0.01997	0.66692	-0.00022	0.99625	-0.0237	0.60942	-0.07549
0.201582	1.14E-05	0.099271	0.03197	0.145417	0.00163	0.040802	0.379	0.002223
0.010998	0.81263	0.05615	0.22585	0.068158	0.14138	0.000749	0.98712	0.044487
0.020234	0.66274	-0.00415	0.92879	0.028135	0.54419	-0.01985	0.6687	-0.00372
0.12383	0.00738	0.202383	1.05E-05	0.208596	5.47E-06	0.113592	0.01404	0.160817
-0.05728	0.21663	-0.15621	0.00071	-0.06964	0.1329	-0.176	0.00013	-0.30029
-0.0971	0.03592	-0.23467	2.91E-07	-0.14155	0.00217	-0.23554	2.62E-07	-0.36093
-0.01976	0.67017	0.06307	0.17362	0.011369	0.80643	0.081302	0.07923	0.105992
0.055299	0.23297	-0.02461	0.59575	-0.01053	0.82046	-0.02589	0.57677	-0.01878
0.039855	0.39017	0.031125	0.50223	0.043739	0.34562	0.006342	0.89128	0.028557
0.098054	0.03414	0.065802	0.15569	0.076936	0.09679	0.030734	0.50763	0.065267
-0.00929	0.84139	0.033928	0.46451	0.031871	0.49204	0.009574	0.83652	0.108161
0.013273	0.77482	0.033601	0.46884	0.043205	0.35155	0.0204	0.66014	0.002086
0.278198	9.54E-10	0.217263	2.15E-06	0.236642	2.29E-07	0.126642	0.00614	0.20106
-0.06267	0.17637	-0.10312	0.02585	-0.06622	0.15306	-0.08389	0.07011	-0.2012
-0.04439	0.33843	-0.00543	0.90687	-0.01376	0.76674	-0.03195	0.49093	-0.00222
-0.0275	0.55331	0.026075	0.57407	-0.01329	0.77457	0.031935	0.49118	-0.01379
-0.00922	0.84252	0.019595	0.67276	0.000674	0.98841	0.008347	0.85724	0.04674
0.190243	3.50E-05	0.209496	4.97E-06	0.264358	6.59E-09	0.089255	0.05392	0.069012
0.021467	0.64357	0.068573	0.13897	0.046917	0.31167	0.073798	0.11123	0.170387
-0.0016	0.97245	0.023021	0.61974	0.05103	0.2711	-0.00714	0.87774	0.015493
-0.01956	0.67339	-0.09792	0.03439	-0.03733	0.42092	-0.10798	0.0196	-0.20341
-0.01324	0.77536	-0.01347	0.77162	-0.00998	0.82973	-0.00254	0.95632	-0.06723
0.012266	0.7915	-0.02746	0.55392	0.026775	0.56383	-0.05555	0.23085	-0.07257
0.006779	0.88384	0.024889	0.59162	0.037982	0.41285	0.012712	0.7841	-0.01748
0.209411	5.02E-06	0.226682	7.42E-07	0.154043	0.00084	0.243264	1.02E-07	0.171543
0.008041	0.86241	0.079059	0.0879	0.037501	0.4188	0.088386	0.05631	0.071045
0.094977	0.04021	0.01797	0.69852	0.106872	0.02089	-0.05331	0.25026	-0.0392
0.086222	0.06264	0.016021	0.72986	0.012632	0.78543	0.01591	0.73166	0.069923
0.021826	0.63804	-0.01816	0.69552	-0.01663	0.71996	-0.01558	0.73702	-0.02218
-0.03064	0.50895	-0.01539	0.74016	-0.0138	0.76616	-0.00818	0.86009	6.05E-05
-0.01812	0.69606	-0.00933	0.84056	-0.01739	0.70785	-0.00709	0.87856	-0.00743
-0.02159	0.64169	0.00806	0.8621	0.014298	0.75795	-0.00796	0.86387	-0.04468
0.001216	0.9791	-0.02865	0.53678	-0.03068	0.50832	-0.02008	0.66516	-0.04028
-0.07216	0.11943	-0.06104	0.1879	-0.03946	0.39494	-0.05525	0.23341	-0.05592
0.02747	0.55374	-0.01175	0.80014	0.015229	0.74274	-0.02433	0.59995	-0.03441
0.337171	7.04E-14	0.225602	8.40E-07	0.327625	3.80E-13	0.077302	0.09521	0.048101
-0.13816	0.00277	-0.04374	0.34564	-0.0991	0.03227	0.003198	0.94505	-0.07173
0.028874	0.53366	0.076199	0.10004	0.049333	0.28738	0.074542	0.10766	0.040295
0.044905	0.3329	0.160247	0.00051	0.070974	0.12562	0.214157	3.01E-06	0.133752

0.116604	0.01168	0.069275	0.13496	0.112976	0.01458	0.009407	0.83934	-0.01098
0.125201	0.00675	0.186552	4.99E-05	0.16989	0.00023	0.136734	0.00307	0.254717
0.018787	0.68552	0.004587	0.92124	-0.02012	0.66449	0.021594	0.6416	-0.01936
0.354804	2.67E-15	0.325099	5.88E-13	0.347087	1.15E-14	0.197392	1.73E-05	0.151307
0.151217	0.00105	0.129097	0.00521	0.122104	0.00825	0.107584	0.02005	0.06012
0.055963	0.22741	0.059578	0.19873	0.045637	0.32507	0.067476	0.14541	0.015543
0.067717	0.14398	0.151623	0.00101	0.08276	0.07398	0.167427	0.00028	0.16761
0.254351	2.49E-08	0.13788	0.00283	0.141992	0.0021	0.110726	0.01668	0.227133
-0.02424	0.60133	-0.08878	0.05522	-0.06234	0.1787	-0.06916	0.13563	-0.15736
0.242169	1.17E-07	0.22889	5.74E-07	0.158541	0.00058	0.231022	4.48E-07	0.135745
-0.0981	0.03405	-0.14396	0.00182	-0.1049	0.02338	-0.12337	0.00761	-0.14931
0.065098	0.16017	0.136601	0.0031	0.156744	0.00068	0.069677	0.13271	0.090554
0.226439	7.63E-07	0.233879	3.19E-07	0.272323	2.20E-09	0.119213	0.00992	0.363583
0.019652	0.67187	0.084721	0.06737	0.045157	0.33019	0.123739	0.00743	0.055836
-0.05582	0.22856	-0.01975	0.67025	-0.05803	0.21067	0.00738	0.87362	-0.02245
0.05753	0.21463	0.15035	0.00112	0.082116	0.07626	0.158793	0.00057	0.271966
0.055186	0.23394	0.143519	0.00188	0.051731	0.26457	0.201233	1.18E-05	0.112947
0.114699	0.01313	0.042152	0.36342	0.069644	0.13289	0.014529	0.75417	0.024602
0.034363	0.4588	0.000848	0.98541	0.002741	0.9529	-0.00784	0.86583	0.034279
-0.08509	0.06616	-0.09703	0.03606	-0.05159	0.26584	-0.1106	0.0168	-0.1872
-0.11061	0.01679	-0.04637	0.31734	-0.03835	0.40839	-0.0384	0.4077	-0.03532
-0.13918	0.00257	-0.15292	0.00092	-0.102	0.02751	-0.15485	0.00079	-0.19615
-0.03823	0.40979	0.005522	0.90526	0.008986	0.84642	-0.01746	0.7067	0.025283
0.089816	0.05242	0.0892	0.05407	0.095078	0.03999	0.062414	0.17815	0.114634
-0.03828	0.4092	-0.09182	0.04736	-0.0351	0.44916	-0.11583	0.01225	-0.15074
-0.04816	0.29904	-0.10865	0.01884	-0.06053	0.19162	-0.11615	0.01201	-0.14648
-0.0622	0.17965	-0.07545	0.10345	-0.05484	0.23684	-0.07377	0.11137	-0.10094
0.005748	0.9014	-0.07426	0.10899	-0.01809	0.69653	-0.1053	0.02285	-0.20588
0.065851	0.15538	0.044143	0.34117	0.053241	0.25085	0.011778	0.79961	0.050315
0.108006	0.01956	0.015338	0.74095	0.07445	0.1081	-0.01846	0.69078	-0.10172
0.099813	0.03104	0.12777	0.00569	0.133031	0.00398	0.081868	0.07716	0.231088
0.284705	3.70E-10	0.224301	9.74E-07	0.223336	1.09E-06	0.167127	0.00029	0.254785
0.037072	0.42414	0.053646	0.24726	0.043864	0.34424	0.04703	0.31051	0.198491
-0.03454	0.4565	-0.01798	0.69839	-0.0109	0.81419	-0.04101	0.37657	-0.05598
0.095036	0.04008	0.047394	0.30677	0.07314	0.11446	0.00472	0.91897	0.10434
0.137382	0.00293	0.129836	0.00495	0.148048	0.00133	0.083067	0.07291	0.149757
-0.00797	0.8636	-7.19E-05	0.99876	0.029917	0.51897	-0.04544	0.32721	-0.01819
0.088632	0.05562	0.104506	0.02391	0.111303	0.01611	0.077415	0.09472	0.181283
0.119219	0.00992	0.029512	0.52465	0.046631	0.31463	0.022675	0.62501	0.005341
0.025575	0.58143	0.045252	0.32918	0.055388	0.23222	0.027055	0.55976	0.013343
-0.01996	0.66709	-0.06092	0.1888	-0.05202	0.26187	-0.06304	0.17385	-0.10011
-0.01776	0.70186	0.001473	0.97467	0.014385	0.75653	-0.0149	0.74808	-0.04669
0.062849	0.17514	0.038762	0.40331	0.074307	0.10878	-0.00713	0.87779	-0.00178
0.114911	0.01296	0.084972	0.06656	0.114642	0.01318	0.030924	0.505	-0.01493
0.016531	0.72161	0.051105	0.27039	0.055558	0.23079	0.039891	0.38975	0.003406

0.068732	0.13805	-0.02523	0.58648	0.028761	0.53527	-0.0656	0.15697	-0.03238
0.092885	0.04483	0.055276	0.23317	0.065769	0.15589	0.047817	0.30247	0.086983
0.016907	0.71555	0.062939	0.17452	0.023641	0.61034	0.076821	0.09729	0.138303
0.092238	0.04635	0.15319	0.0009	0.111256	0.01616	0.123603	0.00749	0.242746
0.177223	0.00012	0.155562	0.00074	0.122251	0.00818	0.138866	0.00263	0.204947
0.097111	0.03591	0.083722	0.07067	0.058587	0.20631	0.087718	0.0582	0.109148
0.186395	5.06E-05	0.113524	0.0141	0.131948	0.00429	0.079419	0.08646	0.065258
0.137955	0.00281	0.113659	0.01399	0.100676	0.02961	0.077712	0.09346	0.274295
-0.04967	0.28413	-0.08693	0.06051	-0.04841	0.29655	-0.09777	0.03466	-0.19325
0.045249	0.32921	0.045035	0.3315	0.06569	0.15639	0.013031	0.77881	0.136115
0.072016	0.12015	0.083726	0.07066	0.075653	0.10251	0.060026	0.19537	0.152348
0.001689	0.97096	0.071186	0.1245	0.0345	0.45701	0.081233	0.07949	0.042138
0.049794	0.28289	0.194838	2.24E-05	0.068079	0.14184	0.252637	3.11E-08	0.113328
0.079742	0.08518	0.062165	0.17989	0.087281	0.05947	0.024239	0.60134	-0.02817
0.002378	0.95912	-0.0131	0.77766	0.000173	0.99702	-0.01962	0.67243	-0.04142
0.023698	0.60947	-0.01798	0.6983	-0.00902	0.84581	-0.02804	0.54556	-0.04297
0.039023	0.40015	0.060207	0.19402	0.058312	0.20846	0.04708	0.30999	0.11603
0.009803	0.83267	-0.09969	0.03124	-0.02046	0.65914	-0.12838	0.00546	-0.22725
0.01503	0.74598	-0.01917	0.67941	0.009477	0.83816	-0.02322	0.61675	-0.09723
0.165045	0.00034	0.194156	2.39E-05	0.217564	2.08E-06	0.079693	0.08538	0.24771
-0.03365	0.46823	-0.01711	0.71227	-0.01784	0.70051	-0.01453	0.7542	-0.03415
0.00521	0.9106	0.154258	0.00082	0.048179	0.29882	0.206303	6.97E-06	0.183254
0.041927	0.36598	0.072393	0.11822	0.03537	0.44574	0.077722	0.09342	0.071588
0.260582	1.10E-08	0.230236	4.91E-07	0.237444	2.08E-07	0.156474	0.00069	0.149752
0.14779	0.00136	0.118719	0.01024	0.137198	0.00297	0.090778	0.04993	0.089019
0.007197	0.87673	0.016582	0.72078	0.007174	0.87713	0.031764	0.4935	0.000462
0.06216	0.17992	0.172129	0.00019	0.061575	0.18407	0.23229	3.86E-07	0.090067
-0.03295	0.47753	-0.04781	0.30258	-0.00673	0.88465	-0.06232	0.17881	-0.11118
0.188541	4.13E-05	0.176281	0.00013	0.189709	3.69E-05	0.111444	0.01598	0.060871
0.019221	0.67866	0.043547	0.34774	0.021462	0.64365	0.068843	0.13742	0.03709
0.021888	0.63708	0.058034	0.21064	0.032892	0.47827	0.052354	0.25885	0.122638
0.019428	0.6754	0.067129	0.1475	0.018093	0.69656	0.088228	0.05675	0.157266
0.065382	0.15835	0.114615	0.0132	0.081032	0.08024	0.11447	0.01332	0.222465
0.124151	0.00723	0.15754	0.00063	0.101239	0.0287	0.170363	0.00022	0.193256
0.035439	0.44485	-0.00606	0.89609	0.008324	0.85762	-0.00653	0.888	0.094394
0.082746	0.07403	-0.07562	0.10265	-0.02195	0.63609	-0.07588	0.10145	-0.17186
0.026659	0.56552	0.013336	0.77378	0.01023	0.82548	0.005482	0.90596	0.031186
-0.03899	0.40058	-0.1244	0.00711	-0.07466	0.1071	-0.13852	0.0027	-0.17003
0.087668	0.05834	-0.02067	0.65599	0.04022	0.38584	-0.05985	0.19667	0.067062
0.03541	0.44522	0.003912	0.9328	0.02539	0.58417	-0.02898	0.53212	-0.05901
0.013087	0.77789	0.01554	0.73767	0.019582	0.67296	0.014197	0.75961	0.016773
-0.11041	0.01699	-0.08427	0.06885	-0.07456	0.10757	-0.06196	0.1813	-0.10179
0.041732	0.36822	-0.11162	0.01582	-0.02226	0.63142	-0.12588	0.00645	-0.16333
-0.08002	0.08408	-0.02814	0.5441	-0.04287	0.3553	-0.02039	0.66037	0.059404
0.053332	0.25004	-0.02531	0.58533	0.01547	0.7388	-0.05056	0.27557	-0.0878



0.002431	0.95822	-0.13982	0.00246	-0.04213	0.36362	-0.183	6.96E-05	-0.27185
0.134175	0.00367	-0.05478	0.23744	0.025744	0.57893	-0.10205	0.02744	-0.0774
0.025525	0.58218	0.070615	0.12756	0.043474	0.34855	0.092777	0.04508	0.027413
0.040447	0.38317	0.084319	0.06868	0.060967	0.18844	0.105676	0.02237	0.027857
0.00444	0.92377	0.039707	0.39194	0.032096	0.48899	0.014385	0.75653	-0.01519
-0.01385	0.76523	-0.00187	0.96793	-0.01237	0.78978	0.002308	0.96033	-0.01823
0.021031	0.65033	0.031595	0.4958	0.032256	0.48683	0.033593	0.46894	0.009713
0.032826	0.47916	0.131554	0.0044	0.060514	0.19175	0.176044	0.00013	0.125505
0.338054	6.00E-14	0.170549	0.00021	0.225802	8.21E-07	0.090005	0.05192	0.142885
-0.05924	0.20132	-0.19607	1.98E-05	-0.10587	0.02212	-0.21719	2.16E-06	-0.37407
0.051783	0.26408	-0.02789	0.54766	0.017897	0.69968	-0.06274	0.17587	-0.03365
0.114482	0.01331	0.124582	0.00703	0.113842	0.01383	0.109048	0.01841	0.092455
0.055942	0.22758	0.033439	0.47098	0.027219	0.55737	0.033072	0.47587	0.127517
0.182402	7.36E-05	0.078911	0.0885	0.069779	0.13214	0.083853	0.07023	0.123964
0.098901	0.03262	0.011554	0.80334	0.042333	0.36136	-0.01357	0.76999	-0.11779
0.052327	0.2591	0.054589	0.23904	0.030288	0.5138	0.049365	0.28707	0.099603
0.066841	0.14925	0.098925	0.03257	0.055969	0.22735	0.107808	0.01979	0.221013
0.014653	0.75214	0.031696	0.49442	0.042309	0.36163	0.014609	0.75286	0.033868
0.026878	0.56233	0.043289	0.35061	0.041846	0.36691	0.053393	0.2495	0.015079
0.049915	0.28172	0.021818	0.63816	0.049712	0.28369	-0.00401	0.93108	-0.02691
0.055012	0.23541	0.032418	0.48464	0.051234	0.26919	0.009878	0.8314	-0.03468
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0.072975	0.11529	0.023444	0.61332	0.02427	0.60087	0.028577	0.53787	0.003325
-0.02449	0.59754	-0.0335	0.47014	-0.01766	0.70348	-0.05943	0.19985	-0.05392
0.012853	0.78176	0.03309	0.47563	0.033851	0.46552	0.016942	0.71499	0.091846
0.064624	0.16324	0.041009	0.37658	0.042508	0.35938	0.034078	0.46254	-0.02196
-0.08774	0.05814	-0.05846	0.20729	-0.06061	0.19103	-0.03873	0.4037	-0.04087
0.019508	0.67413	-0.03795	0.4132	-0.01075	0.81674	-0.05516	0.23418	0.00234
0.240163	1.50E-07	0.144902	0.00169	0.19774	1.68E-05	0.064361	0.16496	0.124496
0.147689	0.00137	0.051451	0.26717	0.127946	0.00562	-0.01756	0.70499	-0.01629
0.194632	2.28E-05	0.177925	0.00011	0.185033	5.75E-05	0.107705	0.01991	0.125039
0.004719	0.91899	0.069637	0.13293	0.022981	0.62035	0.08692	0.06053	0.137963
0.042015	0.36498	-0.07479	0.10647	-0.03347	0.47055	-0.08488	0.06686	-0.16221
0.031227	0.50084	-0.09986	0.03096	-0.09016	0.05152	-0.09229	0.04622	-0.14669
0.024432	0.59845	0.072281	0.1188	0.039462	0.39487	0.063986	0.16744	0.183169
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0.152309	0.00096	0.13852	0.0027	0.136697	0.00308	0.11146	0.01596	0.01934
0.102243	0.02715	0.039576	0.3935	0.064126	0.16652	0.006447	0.88949	-0.01595
0.01528	0.74191	-0.02609	0.5738	0.004691	0.91946	-0.02704	0.55997	-0.09687
-0.02969	0.52219	-0.11124	0.01617	-0.0305	0.51081	-0.13668	0.00308	-0.09827
0.099092	0.03228	0.086296	0.06241	0.100522	0.02986	0.04476	0.33446	0.079622
-0.07397	0.1104	-0.17976	9.38E-05	-0.09885	0.0327	-0.19764	1.69E-05	-0.25806
0.047811	0.30252	0.066931	0.1487	0.041464	0.3713	0.061336	0.18578	0.087539
0.344539	1.84E-14	0.23636	2.37E-07	0.336667	7.70E-14	0.092574	0.04556	0.09136
0.163974	0.00037	0.182935	7.00E-05	0.162453	0.00042	0.157474	0.00064	0.269496

0.018137	0.69585	-0.10226	0.02712	-0.04556	0.32593	-0.0955	0.03911	-0.1626
0.075753	0.10205	0.147648	0.00138	0.113512	0.01411	0.144065	0.0018	0.163432
0.029828	0.52023	0.140137	0.0024	0.053074	0.25235	0.188074	4.31E-05	0.156825
-0.06465	0.16308	-0.06972	0.13248	-0.07254	0.11747	-0.0682	0.14114	-0.07726
-0.05928	0.20097	-0.10644	0.02141	-0.06312	0.17328	-0.11144	0.01598	-0.20509
0.017978	0.69838	0.095253	0.03963	0.022578	0.62649	0.141546	0.00217	0.180834
0.111594	0.01584	0.042722	0.35696	0.045754	0.32382	0.044358	0.33883	0.142554
-0.00681	0.88328	-0.05519	0.23391	-0.03337	0.47185	-0.06583	0.15549	-0.07037
-0.01803	0.69752	-0.0937	0.04298	-0.05269	0.25582	-0.10356	0.02523	-0.16609
0.06121	0.18669	0.054085	0.24341	0.068213	0.14106	0.031289	0.49998	0.118326
0.070092	0.13041	0.153857	0.00085	0.07218	0.11931	0.17326	0.00017	0.182157
0.017455	0.70675	0.06107	0.1877	0.018295	0.69334	0.071918	0.12066	0.011687
-0.12874	0.00533	-0.16401	0.00037	-0.11062	0.01678	-0.16153	0.00046	-0.29932
0.126294	0.00628	0.002294	0.96057	0.062773	0.17566	-0.03336	0.47204	0.036252
0.005265	0.90965	-0.02073	0.65497	0.025215	0.58676	-0.05362	0.24748	-0.11858
-0.00825	0.85888	0.030062	0.51695	-0.02485	0.59221	0.055187	0.23393	0.086697
-0.06278	0.17558	-0.02699	0.5607	-0.02406	0.60402	-0.0096	0.83607	0.058644
0.085769	0.06404	0.079917	0.0845	0.060996	0.18823	0.062567	0.17709	0.095006
0.197299	1.75E-05	0.170132	0.00022	0.194123	2.40E-05	0.105651	0.02241	0.135721
0.069183	0.13548	0.121711	0.00846	0.118194	0.01058	0.090244	0.0513	0.112653
0.109169	0.01828	0.106397	0.02147	0.122431	0.00808	0.06835	0.14026	0.072801
0.110869	0.01654	0.082912	0.07345	0.10839	0.01913	0.048258	0.29803	0.053059
-0.00227	0.96097	0.085783	0.06399	0.014307	0.7578	0.107326	0.02035	0.051388
0.037424	0.41975	0.006053	0.8962	0.033289	0.47297	-0.01993	0.66747	0.017845
0.04157	0.37008	0.027668	0.55089	0.051713	0.26473	0.004107	0.92946	-0.03869
0.034363	0.4588	-0.01745	0.70679	0.000691	0.98812	-0.02604	0.57462	-0.03239
0.052094	0.26122	0.074453	0.10809	0.035425	0.44503	0.105337	0.02281	0.162253
0.140335	0.00237	0.076712	0.09777	0.108033	0.01953	0.04287	0.35529	0.086018
0.22415	9.91E-07	0.186373	5.07E-05	0.162623	0.00042	0.177702	0.00011	0.340527
0.093535	0.04335	0.041987	0.3653	0.061162	0.18703	0.036551	0.43069	0.025593
0.032045	0.48969	0.130347	0.00478	0.051418	0.26747	0.159477	0.00054	0.116987
0.006499	0.88861	-0.08029	0.08304	-0.03741	0.41998	-0.09072	0.05008	-0.14958
0.082385	0.0753	0.018966	0.68269	0.022373	0.62962	0.007118	0.87807	-0.01596
0.208683	5.42E-06	0.189117	3.90E-05	0.262093	8.95E-09	0.083843	0.07027	0.120576
0.089497	0.05327	0.130104	0.00486	0.141725	0.00214	0.065129	0.15997	0.116791
0.066381	0.15208	0.090573	0.05046	0.065884	0.15517	0.070572	0.12779	0.217826
0.13704	0.003	0.107389	0.02028	0.151709	0.00101	0.025164	0.58752	0.002587
0.066009	0.15439	0.150324	0.00112	0.105102	0.02312	0.130536	0.00472	0.251482
0.066437	0.15173	0.080805	0.08109	0.088912	0.05485	0.05918	0.20175	0.069418
0.118063	0.01067	0.070228	0.12966	0.091139	0.04903	0.036268	0.43427	0.067996
-0.04526	0.32905	0.003862	0.93367	-0.03263	0.48177	0.036553	0.43066	-0.00517
0.003408	0.94144	0.028433	0.53993	-0.01039	0.82286	0.042201	0.36285	0.055154
0.068581	0.13892	0.200624	1.25E-05	0.089001	0.05461	0.229858	5.13E-07	0.271804
0.04756	0.30507	-0.0056	0.90398	-0.01497	0.74688	0.002187	0.96241	-0.0904
0.033818	0.46596	0.081582	0.0782	0.06511	0.16009	0.070243	0.12958	0.044334

0.084552	0.06792	0.074598	0.1074	0.115258	0.01269	0.021473	0.64348	0.010597
0.055717	0.22946	0.156543	0.00069	0.076072	0.10061	0.191428	3.12E-05	0.314075
0.007473	0.87204	0.030157	0.51563	0.019271	0.67787	0.032594	0.48227	0.069582
0.008655	0.85202	-0.03904	0.39995	-0.03068	0.50838	-0.03887	0.40195	-0.0756
0.124948	0.00686	0.022898	0.62161	0.088899	0.05488	-0.03087	0.5058	-0.05059
0.043817	0.34475	0.022321	0.63043	0.026975	0.56092	0.023045	0.61937	0.024058
0.021058	0.6499	0.032017	0.49006	0.029037	0.53135	0.020235	0.66273	0.01414
0.129279	0.00514	0.05025	0.2785	0.076332	0.09945	0.004719	0.91899	0.0476
-0.002	0.96569	-0.06277	0.17566	-0.0062	0.89376	-0.09524	0.03965	-0.14266
0.03282	0.47923	-0.06313	0.1732	-0.03453	0.4566	-0.06758	0.1448	-0.11445
0.061143	0.18717	0.027917	0.54731	0.0389	0.40164	0.015192	0.74334	0.020877
0.113262	0.01433	0.175753	0.00013	0.122865	0.00786	0.175854	0.00013	0.300318
0.038527	0.40618	-0.02486	0.59208	0.006284	0.89227	-0.03148	0.49734	-0.04194
0.003661	0.93711	0.020609	0.65688	-0.0021	0.96382	0.035371	0.44572	0.036356
-0.03922	0.39772	-0.00833	0.85756	-0.00355	0.93897	-0.00684	0.88284	-0.01717
0.218339	1.90E-06	0.109714	0.0177	0.137893	0.00282	0.0591	0.20236	0.074414
0.195343	2.13E-05	0.250863	3.91E-08	0.251123	3.78E-08	0.174538	0.00015	0.133629
0.134701	0.00354	0.268022	3.99E-09	0.168792	0.00025	0.29471	8.22E-11	0.242945
0.053193	0.25128	0.012349	0.79011	0.034452	0.45763	-0.0126	0.78591	0.089206
-0.11833	0.01049	-0.20565	7.46E-06	-0.16274	0.00041	-0.19381	2.47E-05	-0.23973
0.110418	0.01698	0.015571	0.73717	0.042959	0.3543	7.39E-06	0.99987	0.020425
-0.1172	0.01125	-0.10354	0.02525	-0.09273	0.04519	-0.10856	0.01894	-0.14909
0.321959	1.01E-12	0.364005	4.45E-16	0.343046	2.42E-14	0.265588	5.57E-09	0.261499
-0.0342	0.46096	-0.09612	0.03785	-0.06122	0.18662	-0.09229	0.04624	-0.05959
-0.03514	0.44864	-0.04758	0.30485	-0.05027	0.27831	-0.0374	0.41999	-0.06653
-0.03216	0.48811	0.038619	0.40505	0.031107	0.50248	0.037288	0.42144	0.042009
0.108672	0.01882	0.162806	0.00041	0.191419	3.13E-05	0.076153	0.10025	0.206003
0.104022	0.02457	0.01733	0.70875	0.100109	0.03054	-0.04767	0.30396	-0.05005
-0.00724	0.87608	-0.17279	0.00018	-0.09423	0.04181	-0.16498	0.00034	-0.32375
0.234784	2.87E-07	0.166218	0.00031	0.110799	0.0166	0.192563	2.80E-05	0.15103
-0.00611	0.89518	0.02009	0.66499	0.004076	0.93	0.032452	0.48418	0.082778
0.083927	0.06998	0.06839	0.14003	0.071606	0.12228	0.060931	0.1887	0.114227
0.013572	0.76989	0.034765	0.45357	0.03768	0.41657	-0.00892	0.8476	0.196348
0.004628	0.92055	0.064611	0.16333	0.016157	0.72766	0.090079	0.05173	0.138104
-0.03393	0.46445	-0.05871	0.20537	-0.03815	0.4108	-0.06545	0.15791	-0.01847
-0.03282	0.47928	0.00061	0.98951	-0.03662	0.42982	0.010746	0.81684	0.035713
0.061508	0.18454	-0.01866	0.68752	0.056444	0.22343	-0.06884	0.13744	-0.00508
-0.06992	0.13138	-0.11273	0.0148	-0.03801	0.41245	-0.14811	0.00133	-0.16538
0.020421	0.65983	0.017521	0.70569	0.014695	0.75145	0.021813	0.63823	0.013909
-0.02935	0.52695	-0.0286	0.53761	-0.04884	0.29219	-0.00332	0.94289	-0.04104
0.081977	0.07677	0.0789	0.08854	0.062051	0.18069	0.057436	0.21538	0.100863
0.032686	0.48103	0.143298	0.00191	0.046308	0.318	0.182865	7.05E-05	0.183482
0.060975	0.18839	-0.03788	0.41405	0.026722	0.56459	-0.0705	0.12817	-0.04067
-0.10545	0.02266	-0.17745	0.00012	-0.14573	0.00159	-0.16279	0.00041	-0.17727
0.165364	0.00033	0.169854	0.00023	0.218931	1.78E-06	0.104668	0.02369	0.088073

0.097611	0.03496	0.100135	0.0305	0.111133	0.01628	0.053872	0.24527	0.199187
0.038731	0.40368	0.073084	0.11474	0.048712	0.2935	0.063706	0.16931	0.174432
0.035614	0.4426	0.011776	0.79965	0.036488	0.43149	-0.01168	0.8013	0.033551
-0.01382	0.76573	0.014074	0.76164	0.009956	0.8301	0.017801	0.70122	0.053765
-0.01433	0.75746	0.006747	0.88439	-0.0083	0.85797	0.009237	0.84219	-0.00997
0.086455	0.06193	0.085214	0.06578	0.105675	0.02238	0.026314	0.57056	0.019374
-0.01373	0.76736	0.002974	0.94889	-0.00591	0.89857	0.003089	0.94692	-0.0177
0.245011	8.21E-08	0.08451	0.06805	0.137218	0.00296	0.037942	0.41335	-0.00095
0.210712	4.37E-06	0.192934	2.70E-05	0.233089	3.51E-07	0.117887	0.01078	0.128394
0.062732	0.17594	0.054543	0.23943	0.067183	0.14717	0.031394	0.49855	0.034213
0.034967	0.45094	0.028745	0.53549	0.072835	0.11598	-0.01275	0.78347	-0.07447
-0.04614	0.31973	-0.04488	0.33318	-0.0258	0.57812	-0.04501	0.33177	-0.10478
0.016021	0.72985	-0.20233	1.05E-05	-0.11784	0.01081	-0.20106	1.20E-05	-0.24139
-0.02499	0.59014	-0.13091	0.0046	-0.0677	0.14408	-0.16009	0.00052	-0.19821
0.090644	0.05028	0.04237	0.36094	0.044003	0.34272	0.046864	0.31221	-0.0473
0.104242	0.02427	0.096233	0.03763	0.134482	0.0036	0.035552	0.44339	0.030258
0.05912	0.20221	0.009496	0.83784	0.025039	0.58939	-0.00159	0.97261	-0.0386
-0.04681	0.31276	-0.07405	0.11003	-0.06008	0.19499	-0.07669	0.09787	-0.11277
0.120548	0.00912	0.02066	0.65609	0.026349	0.57004	0.018965	0.68271	0.005025
0.001208	0.97922	-0.02492	0.5911	-0.01192	0.79723	-0.03907	0.39956	-0.09334
0.033535	0.46971	0.046085	0.32034	0.035854	0.43953	0.054386	0.24079	0.04542
0.070509	0.12813	-0.0437	0.34603	0.040162	0.38652	-0.08104	0.08022	-0.0857
0.010906	0.81416	-0.09064	0.05029	-0.07631	0.09957	-0.08261	0.07449	-0.10338
0.004438	0.9238	-0.06748	0.14537	-0.03845	0.40712	-0.08541	0.06515	-0.1131
0.036927	0.42596	0.085402	0.06519	0.035415	0.44516	0.10471	0.02364	0.188289
0.004758	0.91832	0.015699	0.73509	-0.00429	0.9263	0.034721	0.45414	0.070278
0.319829	1.44E-12	0.164635	0.00035	0.1651	0.00034	0.127953	0.00562	0.091187
0.116597	0.01168	0.054895	0.23641	0.042998	0.35386	0.055554	0.23082	0.051756
0.044492	0.33737	0.063121	0.17328	0.038974	0.40074	0.076707	0.09779	0.043573
0.017047	0.7133	-0.005	0.91421	0.02156	0.64213	-0.01638	0.72401	-0.01861
0.021834	0.6379	-0.06104	0.18792	-0.03443	0.4579	-0.05915	0.20199	-0.08192
0.096905	0.03631	0.022912	0.6214	0.055392	0.23219	0.001115	0.98082	-0.02835
0.070339	0.12905	0.005056	0.91322	0.022688	0.62481	-0.00215	0.96301	-0.00134
0.132154	0.00423	0.007568	0.87043	0.055763	0.22907	-0.01861	0.68828	-0.0518
0.283224	4.60E-10	0.23316	3.48E-07	0.323466	7.78E-13	0.073604	0.11218	0.13834
0.096692	0.03672	0.069382	0.13436	0.112598	0.01491	0.016335	0.72479	0.028626
0.183721	6.51E-05	0.1185	0.01038	0.179066	9.99E-05	0.049087	0.2898	0.063371
0.094419	0.0414	0.037307	0.4212	0.044144	0.34116	0.034852	0.45243	0.03393
0.077524	0.09426	0.005959	0.89782	0.019096	0.68064	0.009514	0.83753	0.008171
0.073102	0.11465	0.004888	0.9161	0.011138	0.81029	0.00617	0.8942	0.004321
0.10427	0.02423	0.029745	0.52139	0.046374	0.31731	0.014724	0.75097	0.010269
0.326552	4.58E-13	0.126332	0.00626	0.195948	2.00E-05	0.044818	0.33384	0.01363
0.174338	0.00015	0.14519	0.00166	0.184383	6.12E-05	0.093574	0.04326	0.099301
0.121471	0.0086	0.200994	1.21E-05	0.146067	0.00155	0.185036	5.75E-05	0.186003
0.016169	0.72747	0.057296	0.2165	0.033833	0.46576	0.060652	0.19074	0.163428

0.059988	0.19565	-0.0361	0.43641	0.006894	0.88188	-0.06312	0.1733	-0.07387
0.132268	0.00419	0.00876	0.85024	0.046818	0.31269	-0.01086	0.81488	-0.03889
-0.02736	0.55537	-0.03461	0.45558	0.027475	0.55368	-0.07076	0.12677	-0.11823
-0.02564	0.58046	-0.04078	0.37924	-0.02538	0.58425	-0.0348	0.45311	-0.05753
0.02932	0.52735	0.039823	0.39055	0.052878	0.2541	0.015608	0.73657	0.051717
-0.00194	0.96671	0.003052	0.94756	-0.01694	0.71494	0.02055	0.6578	-0.02778
-0.02924	0.52846	-0.01885	0.68458	-0.02002	0.66605	-0.00917	0.84328	-0.02521
0.026487	0.56803	0.083018	0.07308	0.035315	0.44644	0.105983	0.02199	0.077244
0.146469	0.0015	0.124951	0.00686	0.095913	0.03827	0.124666	0.00699	0.06763
0.007406	0.87318	0.006475	0.88902	0.006271	0.89249	0.013391	0.77287	-0.01366
0.014871	0.74858	0.061782	0.1826	0.025527	0.58214	0.091156	0.04899	0.07725
0.131229	0.0045	0.036059	0.43692	0.033418	0.47126	0.045887	0.32243	0.028047
0.064613	0.16331	0.063223	0.17258	0.036999	0.42506	0.08637	0.06219	0.053507
0.046592	0.31504	0.001437	0.97529	0.01915	0.67978	-0.01576	0.73417	-0.04457
0.109061	0.0184	0.135366	0.00338	0.098821	0.03276	0.139327	0.00255	0.074533
0.08846	0.0561	0.033392	0.47161	0.05624	0.22511	0.000964	0.98343	-0.02294
-0.02165	0.64079	-0.01464	0.75232	0.00074	0.98728	-0.00644	0.88957	-0.05832
0.042972	0.35415	-0.00264	0.95459	0.009089	0.8447	-0.00598	0.8974	-0.07567
0.158693	0.00058	0.102198	0.02722	0.063226	0.17256	0.11769	0.01092	0.16664
0.052767	0.2551	0.039541	0.39392	0.065855	0.15535	0.008208	0.85958	0.0633
0.000883	0.98481	-0.0145	0.75469	-0.00851	0.85445	-0.01064	0.81857	-0.0074
0.292942	1.08E-10	0.135364	0.00338	0.147928	0.00135	0.111257	0.01616	0.059585
0.180991	8.38E-05	0.213973	3.08E-06	0.127252	0.00589	0.251517	3.60E-08	0.219084
0.041327	0.37289	0.215086	2.72E-06	0.072965	0.11534	0.289321	1.86E-10	0.127994
0.248142	5.53E-08	0.077873	0.09278	0.163037	0.0004	-0.007	0.88005	0.035788
0.358869	1.22E-15	0.145136	0.00166	0.175242	0.00014	0.109903	0.01751	0.052744
0.109066	0.01839	0.029369	0.52667	0.041618	0.36953	0.041588	0.36987	0.014866
0.28477	3.66E-10	0.113301	0.01429	0.17656	0.00013	0.045578	0.3257	0.055026
0.226713	7.39E-07	0.142878	0.00197	0.218965	1.78E-06	0.034471	0.4574	0.05707
0.274269	1.67E-09	0.294697	8.24E-11	0.236907	2.22E-07	0.271366	2.51E-09	0.32922
0.154536	0.00081	0.149254	0.00122	0.182724	7.14E-05	0.075734	0.10213	0.071373
0.035383	0.44558	-0.0264	0.56937	-0.0294	0.52625	-0.01514	0.74426	-0.0156
-0.10671	0.02108	-0.16852	0.00025	-0.11651	0.01175	-0.17185	0.00019	-0.2486
-0.07257	0.11732	-0.008	0.86314	-0.04013	0.38696	0.013252	0.77517	0.031843
0.047278	0.30796	0.048828	0.29234	0.040672	0.38052	0.031655	0.49498	0.160117
-0.05933	0.20063	-0.01877	0.68581	-0.04649	0.31609	-0.00028	0.99515	0.081623
0.048049	0.30013	-0.04538	0.32782	-0.02877	0.53508	-0.04863	0.29434	-0.00525
-0.02125	0.64689	-0.10661	0.02121	-0.07439	0.10837	-0.1009	0.02924	-0.14242
0.047686	0.30379	-0.01182	0.79887	0.031245	0.50059	-0.03187	0.49211	0.012277
-0.13898	0.00261	-0.16234	0.00043	-0.16464	0.00035	-0.12372	0.00744	-0.23767
-0.03799	0.41271	-0.00172	0.97044	-0.02146	0.64361	0.017579	0.70477	0.085784
-0.00367	0.93697	-0.05993	0.19611	-0.03899	0.40058	-0.06476	0.16238	-0.12435
0.022364	0.62977	0.00619	0.89387	0.015075	0.74525	-0.00176	0.96966	-0.00411
-0.00943	0.83888	-0.0114	0.8059	-0.01102	0.81218	-0.00715	0.87747	-0.03128
-0.0226	0.62611	-0.02077	0.6544	-0.01094	0.81361	-0.01478	0.75002	-0.02995

0.080174	0.0835	0.252037	3.36E-08	0.104367	0.0241	0.321357	1.11E-12	0.224111
6.85E-05	0.99882	0.028198	0.54329	0.020307	0.66159	0.055085	0.23479	0.025999
0.053817	0.24576	0.141096	0.00224	0.047737	0.30327	0.204092	8.77E-06	0.097359
0.005043	0.91346	0.139323	0.00255	0.032415	0.48467	0.190595	3.39E-05	0.077711
0.063827	0.16851	0.243997	9.32E-08	0.106923	0.02083	0.315078	3.19E-12	0.206901
0.084143	0.06926	0.205087	7.91E-06	0.095049	0.04006	0.261558	9.62E-09	0.126979
0.067759	0.14373	0.098164	0.03394	0.075961	0.10111	0.133274	0.00391	0.035736
0.22007	1.57E-06	0.245578	7.65E-08	0.143478	0.00188	0.299835	3.72E-11	0.167547
-0.02837	0.5409	0.005833	0.89995	-0.03242	0.48458	0.025205	0.58691	-0.01222
0.08776	0.05808	0.067023	0.14814	0.080512	0.0822	0.040012	0.3883	0.013758
0.142264	0.00206	0.029524	0.52448	0.077084	0.09615	-0.01534	0.74089	-0.02322
0.006605	0.8868	0.018038	0.69744	0.02804	0.54555	0.015443	0.73924	-0.0473
0.199357	1.42E-05	0.098129	0.034	0.135381	0.00338	0.03125	0.50052	-0.00519
0.257612	1.63E-08	0.184466	6.07E-05	0.259359	1.29E-08	0.072259	0.1189	0.073275
0.12143	0.00862	0.072764	0.11634	0.063314	0.17196	0.07739	0.09483	0.128857
0.155818	0.00073	0.138355	0.00273	0.161408	0.00046	0.05757	0.21431	0.04985
-0.04817	0.29892	-0.07081	0.12651	-0.0478	0.30261	-0.07414	0.10959	-0.16888
-0.02842	0.54009	-0.08722	0.05966	-0.06306	0.1737	-0.08707	0.0601	-0.15282
0.006738	0.88454	-0.00144	0.97522	0.022723	0.62428	-0.012	0.7959	-0.05829
0.145497	0.00162	0.126148	0.00634	0.116265	0.01193	0.114908	0.01296	0.247206
0.15178	0.001	0.13418	0.00367	0.135766	0.00329	0.104156	0.02439	0.100592
0.022958	0.62069	-0.00948	0.8381	0.001292	0.97779	-0.00848	0.85494	-0.04153
0.060793	0.18971	0.058318	0.20841	0.014482	0.75493	0.074639	0.1072	0.019285
0.1093	0.01814	0.246438	6.86E-08	0.144278	0.00177	0.262902	8.03E-09	0.320432
0.065629	0.15678	0.039719	0.39179	0.029516	0.5246	0.034084	0.46246	0.100268
0.02762	0.55159	-0.0513	0.2686	-0.00117	0.97985	-0.05298	0.25315	-0.11565
0.099172	0.03214	0.052813	0.25469	0.069821	0.1319	0.034747	0.4538	-0.00456
0.090173	0.05149	0.158857	0.00057	0.103795	0.02489	0.188004	4.34E-05	0.069149
-0.13465	0.00355	-0.09114	0.04901	-0.08406	0.06955	-0.07536	0.10386	-0.14304
0.091108	0.04911	0.084267	0.06885	0.10065	0.02965	0.06185	0.18211	0.041111
-0.00084	0.98557	0.002475	0.95746	0.028919	0.53303	-0.02772	0.55007	-0.04747
-0.05343	0.24919	-0.04823	0.29829	-0.03722	0.42227	-0.03616	0.43564	-0.0729
-0.0214	0.64456	-0.02438	0.59919	-0.02316	0.61756	-0.01226	0.79167	-0.02704
0.045781	0.32354	0.054069	0.24355	0.062985	0.17421	0.034587	0.45588	0.019427
0.225687	8.32E-07	0.223005	1.13E-06	0.22117	1.39E-06	0.152609	0.00094	0.139058
0.054455	0.2402	0.094454	0.04132	0.058471	0.20721	0.085232	0.06573	0.113257
0.078814	0.08889	0.009297	0.84119	0.02329	0.61566	-0.00702	0.87973	-0.03973
0.115109	0.0128	0.094014	0.04228	0.09803	0.03419	0.065202	0.1595	0.011111
0.051027	0.27113	0.138096	0.00278	0.078805	0.08893	0.148877	0.00125	0.223539
0.22143	1.35E-06	0.179626	9.50E-05	0.215778	2.53E-06	0.093019	0.04452	0.103402
0.194731	2.26E-05	0.093156	0.04421	0.09678	0.03655	0.075856	0.10158	0.195832
0.05332	0.25015	0.037101	0.42378	0.062766	0.17571	0.006453	0.88939	-0.01984
0.015432	0.73943	0.017407	0.70752	0.030061	0.51697	0.006024	0.89669	-0.00358
0.044822	0.33379	0.043741	0.34559	0.055396	0.23216	0.046891	0.31194	-0.00169
0.152464	0.00095	0.164141	0.00037	0.165467	0.00033	0.121794	0.00842	0.089315

0.038193	0.41026	0.047549	0.30519	0.039325	0.39651	0.049572	0.28505	0.037902
-0.02857	0.53802	-0.03658	0.4303	-0.02772	0.5501	-0.04238	0.36085	0.07683
0.232054	3.96E-07	0.217403	2.11E-06	0.232528	3.75E-07	0.156124	0.00071	0.073402
0.093707	0.04296	-0.01693	0.71525	0.05344	0.24909	-0.04924	0.28833	-0.0307
0.052382	0.25859	0.011637	0.80196	0.014225	0.75916	0.001795	0.96914	0.014149
-0.03514	0.44865	-0.03477	0.45344	-0.02348	0.61274	-0.03263	0.48184	-0.03089
-0.04165	0.36913	-0.02472	0.59418	-0.02805	0.54537	-0.03075	0.50735	-0.03583
0.198356	1.57E-05	0.166577	0.0003	0.181423	8.05E-05	0.112904	0.01464	0.131854
0.020789	0.65408	0.010681	0.81793	0.080472	0.08236	-0.04914	0.28925	0.033506
0.079432	0.08641	-0.01306	0.77828	0.053635	0.24736	-0.05609	0.22633	-0.0942
-0.00253	0.95659	-0.04152	0.37071	-0.00989	0.83124	-0.03758	0.41783	-0.08563
-0.01815	0.69557	-0.03903	0.40005	-0.02554	0.58202	-0.02773	0.54998	-0.04157
0.149697	0.00118	0.041937	0.36587	0.104967	0.0233	-0.00975	0.83353	0.004833
0.108981	0.01848	0.150742	0.00108	0.115617	0.01241	0.157738	0.00062	0.072276
0.060613	0.19103	0.007997	0.86316	0.029993	0.51792	-0.0062	0.8937	-0.01199
0.098297	0.0337	0.162442	0.00042	0.123813	0.00739	0.166693	0.0003	0.115744
0.059521	0.19916	0.066872	0.14906	0.056306	0.22456	0.056199	0.22544	0.02558
-0.05186	0.26339	-0.03737	0.42044	-0.04899	0.29075	-0.01471	0.75123	-0.05306
0.03478	0.45337	0.036787	0.42771	0.032472	0.48391	0.04631	0.31798	0.108835
-0.02402	0.60463	-0.02076	0.6546	-0.02349	0.61268	-0.01753	0.70558	-0.02278
0.254377	2.48E-08	0.15682	0.00067	0.21796	1.99E-06	0.060197	0.1941	0.071946
-0.1225	0.00805	-0.05168	0.265	-0.0656	0.15699	-0.03531	0.44645	-0.02451
0.1569	0.00067	0.016671	0.71935	0.107565	0.02007	-0.06875	0.13795	0.046659
-0.03464	0.45521	-0.16333	0.00039	-0.06903	0.13637	-0.17985	9.30E-05	-0.26427
0.044117	0.34146	-0.04883	0.29229	0.015086	0.74506	-0.07262	0.11708	-0.10169
0.022601	0.62615	0.014591	0.75315	0.00366	0.93714	0.005327	0.9086	-0.03497
-0.0571	0.21805	-0.04031	0.38482	-0.01638	0.72399	-0.06211	0.18029	-0.0846
0.072096	0.11974	0.109354	0.01808	0.065103	0.16014	0.130915	0.0046	0.145665
0.029717	0.52178	0.049973	0.28117	0.034391	0.45844	0.032574	0.48254	-0.02271
0.341808	3.04E-14	0.218057	1.97E-06	0.293842	9.39E-11	0.097427	0.03531	0.135509
0.019126	0.68016	-0.02728	0.55645	0.04126	0.37367	-0.07047	0.12837	-0.10896
0.158433	0.00059	0.033191	0.47428	0.043931	0.3435	0.041529	0.37056	-0.00828
-0.01882	0.68499	0.06799	0.14237	0.002134	0.96332	0.084499	0.06809	0.127124
-0.0445	0.33726	0.070377	0.12885	0.0143	0.75791	0.090647	0.05027	0.13643
0.108271	0.01927	-0.00222	0.96185	0.044764	0.33442	-0.03079	0.50687	-0.08221
-0.00588	0.8991	-0.01411	0.76103	-0.03457	0.45606	0.01262	0.78562	0.073869
-0.09024	0.05131	-0.17696	0.00012	-0.1191	0.00999	-0.17716	0.00012	-0.24503
0.108715	0.01877	0.038347	0.40836	0.079201	0.08733	0.009457	0.83849	0.002285
0.057998	0.21092	0.081832	0.07729	0.064851	0.16176	0.059228	0.20139	0.18532
0.073003	0.11514	-0.01601	0.73007	0.01185	0.79841	-0.02373	0.60907	0.022696
0.033645	0.46826	0.086722	0.06113	0.070168	0.12999	0.064597	0.16342	0.099797
0.110705	0.0167	0.088539	0.05588	0.111274	0.01614	0.049941	0.28148	0.045672
0.06786	0.14313	-0.06871	0.13818	0.024136	0.60288	-0.10473	0.02361	-0.17058
-0.02513	0.58803	0.063937	0.16777	0.013762	0.76677	0.084388	0.06846	0.192674
0.04758	0.30487	0.094255	0.04176	0.069901	0.13146	0.099649	0.03132	0.105557

0.114971	0.01291	0.238248	1.89E-07	0.126925	0.00602	0.274847	1.54E-09	0.187086
0.167832	0.00027	0.068957	0.13677	0.11133	0.01609	5.95E-05	0.99898	0.004299
0.062355	0.17856	0.030487	0.51104	0.060281	0.19347	0.018447	0.69091	-0.03995
0.154955	0.00078	0.101357	0.02852	0.114498	0.01329	0.075559	0.10293	0.022743
0.080843	0.08095	0.055462	0.2316	0.045797	0.32337	0.082023	0.0766	0.042152
0.114381	0.01339	0.099704	0.03122	0.053757	0.24629	0.099379	0.03178	0.131636
-0.14238	0.00204	-0.20038	1.28E-05	-0.20517	7.84E-06	-0.14914	0.00123	-0.22127
0.080113	0.08374	0.101312	0.02859	0.098428	0.03346	0.090406	0.05088	0.168028
-0.03424	0.46037	-0.0524	0.25843	-0.04992	0.28172	-0.0403	0.38486	-0.05595
-0.01781	0.70111	0.053668	0.24707	0.036099	0.43641	0.036247	0.43453	0.139629
0.008381	0.85666	0.027746	0.54977	-0.00615	0.89454	0.035422	0.44507	0.114992
0.091275	0.04869	0.154422	0.00081	0.130184	0.00484	0.142381	0.00204	0.209832
0.147129	0.00143	0.115234	0.01271	0.130307	0.0048	0.073743	0.1115	0.042608
-0.01841	0.69155	0.000141	0.99757	-0.02957	0.52378	0.001894	0.96744	0.077996
0.047331	0.30742	0.075864	0.10155	0.040377	0.38399	0.088722	0.05537	0.118477
0.057148	0.2177	0.068543	0.13914	0.079617	0.08568	0.017885	0.69987	0.10687
0.111645	0.01579	0.075632	0.1026	0.088284	0.05659	0.052347	0.25891	0.031518
0.171508	0.0002	0.27155	2.45E-09	0.231319	4.32E-07	0.224118	9.95E-07	0.148434
0.055713	0.22949	0.016325	0.72494	0.003535	0.93927	0.032517	0.4833	-0.01196
-0.07968	0.08542	-0.10313	0.02584	-0.06725	0.14675	-0.11697	0.01142	-0.2027
0.119858	0.00953	0.098795	0.0328	0.120793	0.00898	0.052733	0.25541	0.09477
0.256363	1.92E-08	0.262708	8.24E-09	0.24621	7.06E-08	0.187268	4.66E-05	0.271118
0.08361	0.07105	0.026631	0.56592	0.02387	0.60689	0.015557	0.7374	0.118224
0.025522	0.58222	0.046898	0.31187	0.033782	0.46644	0.041871	0.36663	0.177908
0.076797	0.0974	-0.00057	0.99013	-0.00237	0.95921	-0.00131	0.97741	-0.01559
0.078179	0.0915	0.030963	0.50447	0.034822	0.45283	0.026646	0.56571	0.02014
0.003376	0.942	-0.02613	0.5733	-0.02059	0.65725	-0.03195	0.49096	-0.03016
0.187511	4.55E-05	0.160739	0.00049	0.166904	0.00029	0.088982	0.05466	0.318268
0.030166	0.5155	-0.0055	0.90572	0.011934	0.79702	-0.00834	0.85731	-0.02847
0.199677	1.38E-05	0.111965	0.01549	0.154797	0.00079	0.074655	0.10713	0.07609
0.02314	0.61792	-0.09947	0.03163	-0.05724	0.21695	-0.10588	0.02211	-0.09421
-0.04124	0.37395	-0.11873	0.01023	-0.03401	0.46346	-0.15376	0.00086	-0.2181
0.005975	0.89753	-0.01221	0.79236	0.009096	0.84457	-0.01582	0.73311	-0.03659
-0.08207	0.07643	-0.06599	0.15448	-0.06725	0.1468	-0.04892	0.29148	-0.00799
0.069221	0.13527	0.059115	0.20225	0.034932	0.4514	0.055735	0.2293	0.071095
0.113015	0.01454	0.151309	0.00104	0.168112	0.00026	0.074681	0.10701	0.092297
0.023041	0.61944	0.057366	0.21594	0.039152	0.39859	0.052069	0.26145	0.154632
0.11958	0.0097	0.072308	0.11866	0.09894	0.03255	0.045311	0.32855	0.035011
-0.03246	0.48406	-0.06783	0.14328	-0.05794	0.21135	-0.05095	0.27184	-0.06434
-0.08596	0.06343	-0.03603	0.4373	-0.05757	0.21428	-0.03204	0.48974	0.042218
0.139518	0.00251	0.114048	0.01366	0.110872	0.01653	0.111011	0.0164	0.13859
0.041649	0.36917	0.003611	0.93797	0.035471	0.44443	-0.036	0.4377	-0.03956
0.089581	0.05304	0.037145	0.42323	0.040019	0.38823	0.047451	0.30619	0.032972
0.01849	0.69024	0.000766	0.98682	0.035769	0.44062	-0.03298	0.47704	-0.07017
0.038486	0.40667	0.019332	0.67691	0.00606	0.89609	0.020485	0.65881	0.047436



0.127721	0.00571	0.170753	0.00021	0.102781	0.02635	0.189202	3.87E-05	0.100159
0.000217	0.99628	0.051338	0.26821	0.057938	0.2114	0.030744	0.50748	0.088349
0.185473	5.52E-05	0.141957	0.0021	0.190041	3.57E-05	0.049073	0.28993	0.024453
0.081094	0.08001	-0.09599	0.03811	0.016532	0.7216	-0.15323	0.00089	-0.10556
0.000668	0.98851	-0.01643	0.7232	0.005403	0.9073	-0.0185	0.69006	-0.04871
0.053415	0.2493	-0.00916	0.84344	1.03E-05	0.99982	-0.00578	0.90088	0.01363
0.055619	0.23028	0.163116	0.0004	0.073345	0.11345	0.209197	5.13E-06	0.277978
0.190843	3.31E-05	0.125019	0.00683	0.200686	1.24E-05	0.041392	0.37213	0.026645
-0.02651	0.56769	-0.0452	0.32971	-0.03527	0.44709	-0.05163	0.26549	0.009942
0.053704	0.24675	0.0451	0.3308	0.044729	0.33479	0.049008	0.29058	0.044876
0.130622	0.00469	0.036889	0.42644	0.055972	0.22732	0.025437	0.58347	-0.00105
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0.10612	0.02181	0.052759	0.25518	0.066724	0.14996	0.029237	0.52853	0.061571
0.039107	0.39914	0.043224	0.35134	0.034346	0.45903	0.026873	0.56241	0.116105
0.055599	0.23044	0.090161	0.05152	0.068198	0.14114	0.073054	0.11489	0.090304
0.044489	0.3374	0.131491	0.00442	0.072706	0.11664	0.158046	0.00061	0.173469
0.008788	0.84977	0.013733	0.76724	0.006048	0.89628	0.010688	0.81782	0.005224
0.03713	0.42342	0.138121	0.00278	0.050216	0.27883	0.177857	0.00011	0.078054
0.013088	0.77788	0.007133	0.87781	0.014613	0.75279	-0.0061	0.89534	0.003036
0.025239	0.58641	0.113382	0.01422	0.043396	0.34942	0.138313	0.00274	0.061466
0.035502	0.44405	0.03699	0.42517	0.037362	0.42052	0.029601	0.52341	0.032488
0.025182	0.58726	0.136766	0.00306	0.057839	0.21218	0.189189	3.88E-05	0.124243
-0.03365	0.46817	-0.02128	0.64652	-0.02245	0.6284	-0.01438	0.7566	-0.02324
0.135837	0.00327	0.126597	0.00615	0.095808	0.03849	0.145663	0.0016	0.176226
0.023577	0.61131	0.049632	0.28447	0.028529	0.53856	0.055512	0.23118	0.058696
0.015069	0.74534	0.068242	0.14089	0.010859	0.81495	0.109677	0.01774	0.089744
0.287035	2.62E-10	0.354909	2.62E-15	0.307414	1.12E-11	0.299781	3.75E-11	0.18945
0.044687	0.33525	0.061458	0.1849	0.054827	0.23699	0.059271	0.20106	0.061916
0.188492	4.15E-05	0.127049	0.00597	0.105134	0.02308	0.112869	0.01467	0.057908
0.03376	0.46673	0.144283	0.00177	0.047487	0.30583	0.195539	2.09E-05	0.100541
0.011275	0.80801	0.026425	0.56893	0.014991	0.74661	0.021807	0.63832	0.030011
0.006808	0.88335	0.028941	0.53271	0.006455	0.88935	0.024336	0.59988	0.017813
0.126468	0.00621	0.154091	0.00083	0.161985	0.00044	0.102936	0.02612	0.125706
-0.04883	0.29235	-0.02174	0.63938	-0.05128	0.2688	0.014382	0.75657	-0.06448
-0.05345	0.24897	-0.03502	0.4503	-0.0364	0.43254	-0.01298	0.77972	-0.12177
-0.00933	0.8407	-0.02878	0.53503	-0.02481	0.59272	-0.00856	0.85368	0.008316
-0.01479	0.74987	-0.02757	0.55224	-0.01998	0.66679	-0.02003	0.66595	0.00293
-0.05606	0.22658	-0.03	0.51785	-0.07443	0.10819	0.01852	0.68977	-0.08876
0.162365	0.00043	0.040907	0.37778	0.095274	0.03959	-0.00341	0.94144	0.027169
0.071826	0.12114	0.024073	0.60383	0.076165	0.10019	-0.01857	0.68896	-0.04029
-0.08726	0.05952	-0.12453	0.00705	-0.11954	0.00972	-0.08907	0.05443	-0.16439
-0.06556	0.15721	-0.06924	0.13513	-0.08115	0.07978	-0.05549	0.23136	-0.12332
0.023345	0.61483	-0.08718	0.05977	-0.05468	0.23829	-0.09535	0.03944	-0.00847
-0.00931	0.84097	-0.16245	0.00042	-0.08877	0.05524	-0.1673	0.00028	-0.3191
-0.05348	0.24872	-0.05639	0.22391	-0.06053	0.19165	-0.02966	0.52264	-0.05252

-0.03126	0.50034	0.044562	0.33661	-0.00425	0.92703	0.069903	0.13145	0.060304
0.063616	0.16992	0.174555	0.00015	0.140041	0.00242	0.143403	0.00189	0.119816
0.148179	0.00132	0.130456	0.00475	0.11738	0.01113	0.101085	0.02895	0.092388
0.029014	0.53168	-0.11624	0.01194	0.025258	0.58613	-0.20366	9.17E-06	-0.25771
0.099866	0.03095	0.006054	0.89619	0.067129	0.1475	-0.02521	0.5869	-0.10608
0.016551	0.7213	-0.02178	0.63879	-0.0106	0.81925	-0.02867	0.53651	0.020576
0.193771	2.48E-05	0.166697	0.0003	0.170223	0.00022	0.116766	0.01156	0.218258
-0.05868	0.20559	-0.11365	0.014	-0.04198	0.36543	-0.13812	0.00278	-0.19155
0.030949	0.50466	0.111915	0.01554	0.071772	0.12142	0.089746	0.0526	0.250709
0.078364	0.09074	0.064171	0.16622	0.049151	0.28917	0.069454	0.13395	0.069187
0.013013	0.77912	-0.02006	0.66547	0.016387	0.72394	-0.04069	0.38025	-0.08774
0.156356	0.0007	0.013551	0.77023	0.098538	0.03326	-0.03812	0.41113	0.028283
0.086545	0.06166	-0.04208	0.36419	0.013098	0.77772	-0.06541	0.15817	-0.10048
0.168269	0.00026	0.100977	0.02912	0.129046	0.00522	0.067954	0.14258	0.10914
-0.02658	0.56674	0.004981	0.91451	-0.00862	0.85253	0.01779	0.70138	0.022374
0.14743	0.0014	0.121897	0.00836	0.099909	0.03088	0.122278	0.00816	0.06642
0.009468	0.83831	0.04136	0.37251	0.022113	0.63362	0.048593	0.29468	0.048745
0.053282	0.25049	-0.00694	0.88111	0.023681	0.60973	-0.01927	0.67795	0.062
0.069949	0.1312	0.041217	0.37416	0.044422	0.33813	0.031845	0.49239	0.038042
0.101347	0.02853	0.025641	0.58046	0.040423	0.38345	0.022249	0.63153	-0.00143
0.034432	0.4579	0.077511	0.09432	0.072903	0.11565	0.062491	0.17761	0.044163
0.194676	2.27E-05	0.095451	0.03922	0.115471	0.01252	0.063344	0.17176	-0.00476
0.223293	1.09E-06	0.166186	0.00031	0.165778	0.00032	0.1225	0.00805	0.238267
0.130184	0.00484	-0.03899	0.4006	0.068876	0.13723	-0.11204	0.01542	-0.13402
0.133521	0.00384	0.077289	0.09527	0.092038	0.04683	0.04632	0.31787	0.017748
0.217772	2.03E-06	0.163441	0.00039	0.134189	0.00367	0.185333	5.59E-05	0.165595
0.066407	0.15191	0.056655	0.2217	0.045843	0.32289	0.06761	0.14461	0.055854
0.095271	0.03959	0.149764	0.00117	0.106678	0.02113	0.132241	0.0042	0.323279
0.05926	0.20114	0.105923	0.02206	0.094021	0.04227	0.096411	0.03728	0.261274
-0.00988	0.83136	-0.04154	0.3704	0.008927	0.84743	-0.06134	0.18575	-0.09565
-0.07139	0.12341	-0.11264	0.01487	-0.07781	0.09305	-0.11315	0.01443	-0.18152
-0.01528	0.74197	0.115143	0.01278	0.038675	0.40437	0.141944	0.00211	0.148388
0.081858	0.0772	0.022247	0.63155	0.045239	0.32931	0.014546	0.75389	0.053203
-0.02704	0.55999	-0.08936	0.05364	-0.046	0.32127	-0.09535	0.03943	-0.17052
-0.02951	0.52474	-0.03102	0.50363	-0.05378	0.24611	0.002852	0.95098	-0.1096
0.109535	0.01789	0.18472	5.93E-05	0.117497	0.01105	0.180707	8.60E-05	0.232347
0.102679	0.0265	-0.08324	0.07231	0.027373	0.55515	-0.143	0.00195	-0.24261
0.037354	0.42062	-0.03859	0.40541	0.032146	0.4883	-0.06862	0.1387	-0.21281
-0.05219	0.26031	-0.09243	0.0459	-0.05845	0.20739	-0.10135	0.02853	-0.11318
0.090733	0.05005	-0.01503	0.746	0.013763	0.76674	-0.01124	0.80866	-0.01001
-0.08089	0.08076	0.012184	0.79286	-0.0195	0.6742	0.019256	0.6781	0.074647
0.038218	0.40995	0.088853	0.05501	0.043343	0.35	0.116609	0.01168	0.102977
0.054203	0.24238	0.073919	0.11064	0.038664	0.4045	0.07731	0.09517	0.146525
0.068044	0.14205	-0.02421	0.60178	-0.0059	0.89888	-0.02729	0.55638	-0.01506
-0.05839	0.20783	-0.11393	0.01376	-0.07157	0.12246	-0.12182	0.00841	-0.03413

0.095425	0.03927	0.235676	2.58E-07	0.117571	0.011	0.264318	6.63E-09	0.35899
-0.02221	0.63215	-0.1928	2.73E-05	-0.09688	0.03636	-0.21055	4.44E-06	-0.27464
0.014059	0.76188	-0.02788	0.54786	-0.01678	0.71763	-0.02778	0.54932	-0.07724
0.090278	0.05121	0.056324	0.22441	0.054991	0.23559	0.050833	0.27296	-0.01695
-0.05341	0.24936	0.028269	0.54227	0.002229	0.96168	0.029938	0.51868	0.138376
0.146382	0.00151	-0.00817	0.86029	0.039738	0.39156	-0.02341	0.61382	-0.0954
0.068418	0.13987	-0.0301	0.51642	-0.01791	0.69941	-0.02669	0.565	-0.05782
0.113429	0.01418	0.074287	0.10888	0.122582	0.008	-0.00757	0.87046	0.055584
0.139204	0.00257	0.104226	0.02429	0.136126	0.0032	0.043036	0.35343	0.167253
0.040605	0.38131	-0.02306	0.6192	-1.41E-05	0.99976	-0.02301	0.61991	-0.07498
-0.06093	0.18873	-0.10827	0.01927	-0.06915	0.13569	-0.11972	0.00961	-0.14391
-0.05122	0.26934	-0.0984	0.03351	-0.07533	0.104	-0.10374	0.02497	-0.10932
0.069809	0.13197	-0.01181	0.79913	0.014704	0.7513	-0.02032	0.66134	-0.06337
-0.02041	0.66	0.006994	0.88019	0.054781	0.23739	-0.04732	0.3075	-0.05016
0.072332	0.11853	-0.00823	0.85918	0.003846	0.93393	-0.01367	0.76833	-0.03115
0.025259	0.58612	0.03863	0.40491	0.012398	0.7893	0.055846	0.22837	0.133389
0.015213	0.743	-0.01851	0.68999	-0.00063	0.98918	-0.03271	0.48074	-0.02569
-0.0193	0.67741	-0.02433	0.59996	-0.0048	0.91754	-0.0498	0.28281	-0.05605
-0.06243	0.17807	-0.13071	0.00466	-0.08022	0.08334	-0.14545	0.00162	-0.29655
0.027704	0.55038	0.030973	0.50433	0.010002	0.82931	0.021998	0.63539	0.064534
0.029359	0.5268	0.026372	0.56971	0.029636	0.52292	0.022328	0.63032	0.01518
-0.08883	0.05508	-0.0018	0.96908	-0.03131	0.49967	0.015607	0.73658	-0.02601
-0.07084	0.12634	-0.06975	0.13228	-0.04326	0.35098	-0.06335	0.17172	-0.11213
0.028464	0.53949	0.006851	0.88261	0.048421	0.2964	-0.01999	0.66659	-0.029
-0.05473	0.23784	-0.05341	0.24934	-0.03607	0.43674	-0.03815	0.41078	-0.05082
-0.05987	0.1965	-0.08375	0.07057	-0.0302	0.51509	-0.10552	0.02257	-0.12791
-0.03637	0.43296	-0.11021	0.01719	-0.06818	0.14128	-0.12579	0.00649	-0.12275
0.041287	0.37335	-0.02423	0.60149	0.024163	0.60248	-0.06922	0.13527	-0.0913
-0.0055	0.90556	-0.12081	0.00897	-0.07255	0.11741	-0.13905	0.0026	-0.14717
-0.1208	0.00897	-0.18801	4.34E-05	-0.15485	0.00079	-0.15022	0.00113	-0.28513
0.153179	0.0009	0.166661	0.0003	0.100181	0.03042	0.192196	2.90E-05	0.180943
0.231183	4.39E-07	0.114484	0.0133	0.194376	2.34E-05	0.026053	0.57439	0.036971
0.108569	0.01893	0.094347	0.04156	0.123405	0.00759	0.043392	0.34946	0.010295
0.130414	0.00476	0.124124	0.00724	0.078332	0.09087	0.126622	0.00614	0.169681
-0.00523	0.91021	-0.07302	0.11509	-0.04787	0.30195	-0.07246	0.11787	-0.20151
0.04945	0.28624	0.063449	0.17105	0.026646	0.56571	0.084099	0.06941	0.125942
0.083376	0.07185	0.094334	0.04158	0.054436	0.24036	0.081699	0.07777	0.269464
0.278799	8.75E-10	0.118748	0.01022	0.146417	0.00151	0.067122	0.14754	0.032452
-0.05109	0.27051	-0.02712	0.55879	-0.01333	0.7738	-0.03712	0.4236	-0.01221
0.048228	0.29832	0.095866	0.03837	0.071626	0.12218	0.081027	0.08026	0.127899
-0.00457	0.92158	0.055475	0.23149	0.012586	0.78619	0.057036	0.2186	0.103201
-0.04018	0.38628	-0.14797	0.00134	-0.07935	0.08672	-0.15758	0.00063	-0.26297
-0.04421	0.34049	0.036028	0.43731	0.010239	0.82534	0.013608	0.7693	0.134209
0.072937	0.11548	-0.05848	0.20711	0.020484	0.65883	-0.1253	0.0067	-0.00207
0.178217	0.00011	0.205469	7.60E-06	0.245734	7.50E-08	0.071661	0.122	0.067633

0.050687	0.27434	-0.02224	0.63167	0.018726	0.68649	-0.06583	0.15551	0.034342
0.110982	0.01643	0.03059	0.50962	0.077489	0.09441	-0.01566	0.73579	0.009436
-0.0278	0.54896	-0.06611	0.15377	-0.04296	0.35425	-0.07011	0.13029	-0.12604
-0.0287	0.5362	-0.01534	0.74093	-0.01529	0.74177	-0.00803	0.86267	-0.01135
0.046538	0.3156	0.131207	0.00451	0.086521	0.06173	0.122615	0.00799	0.318216
-0.02823	0.54285	-0.05038	0.27728	-0.02004	0.66577	-0.0607	0.1904	-0.09938
0.123955	0.00732	0.139736	0.00247	0.148691	0.00127	0.070108	0.13032	0.27429
-0.05243	0.25817	-0.06204	0.1808	-0.0435	0.34821	-0.04922	0.28853	-0.04984
0.064532	0.16384	0.103111	0.02587	0.085743	0.06412	0.075378	0.10376	0.095449
0.05194	0.26264	0.026604	0.56631	0.014939	0.74747	0.022617	0.62589	0.072122
-0.04111	0.37535	-0.01831	0.69306	-0.00944	0.83876	-0.04115	0.3749	0.027912
0.111723	0.01572	0.282937	4.80E-10	0.150842	0.00108	0.322051	9.91E-13	0.191401
-0.02444	0.59826	-0.00764	0.8692	0.014272	0.75837	-0.01122	0.80887	-0.05261
-0.04566	0.32481	-0.03975	0.39146	-0.04461	0.33605	-0.04116	0.37481	-0.05018
-0.0467	0.31395	-0.08848	0.05605	-0.07953	0.08603	-0.07961	0.08572	-0.10956
0.07504	0.10533	0.187537	4.54E-05	0.126696	0.00611	0.16937	0.00024	0.277135
0.058413	0.20767	0.045237	0.32933	0.05405	0.24371	0.028171	0.54367	-0.00083
0.005054	0.91326	0.000223	0.99616	0.031587	0.49591	-0.03873	0.40364	-0.06181
-0.12026	0.00929	-0.03648	0.43164	-0.06043	0.1924	-0.01933	0.67688	0.003926
0.073207	0.11413	0.124345	0.00714	0.106811	0.02096	0.117173	0.01127	0.056604
0.19897	1.48E-05	0.126722	0.0061	0.174127	0.00016	0.059156	0.20193	0.150556
-0.04929	0.28779	0.037717	0.41611	-0.00854	0.85397	0.071203	0.12441	0.056415
-0.06751	0.14519	-0.13829	0.00274	-0.09619	0.03771	-0.13644	0.00313	-0.22655
0.186127	5.19E-05	0.167813	0.00027	0.168685	0.00025	0.12719	0.00592	0.070842
0.039151	0.39861	0.029096	0.53052	0.028248	0.54257	0.036882	0.42653	0.02747
0.191498	3.10E-05	0.127022	0.00598	0.129072	0.00521	0.109356	0.01808	0.20348
0.106922	0.02083	0.113951	0.01374	0.116919	0.01145	0.084684	0.06749	0.117749
0.045031	0.33154	-0.07969	0.08539	-0.04216	0.36333	-0.06997	0.13109	-0.16812
0.112934	0.01461	0.110042	0.01737	0.08909	0.05437	0.105145	0.02306	0.084949
0.205493	7.58E-06	0.128794	0.00531	0.155838	0.00073	0.087414	0.05908	0.070276
-0.0397	0.39206	-0.03677	0.42789	-0.04029	0.38507	-0.02874	0.53558	-0.07641
0.151249	0.00104	0.022179	0.63261	0.012182	0.79289	0.032882	0.4784	0.002112
0.03038	0.51252	-0.03196	0.49085	-0.03333	0.47238	-0.01889	0.68383	-0.01122
-0.05181	0.26387	-0.13342	0.00387	-0.05393	0.2448	-0.1761	0.00013	-0.20566
0.192111	2.92E-05	0.326411	4.69E-13	0.232161	3.91E-07	0.3051	1.62E-11	0.275604
0.097828	0.03456	0.091737	0.04755	0.09759	0.035	0.072969	0.11532	0.082442
0.033655	0.46812	-0.04376	0.34543	-0.00444	0.92378	-0.04477	0.33433	-0.09612
0.095125	0.0399	0.134839	0.00351	0.080483	0.08232	0.174303	0.00015	0.207352
0.20489	8.07E-06	0.142551	0.00201	0.168655	0.00025	0.072054	0.11996	0.13169
-0.04767	0.30399	-0.10679	0.02099	-0.03605	0.437	-0.13729	0.00295	-0.11396
0.094149	0.04199	0.109245	0.0182	0.097362	0.03543	0.078827	0.08884	0.041417
0.146038	0.00155	0.290673	1.52E-10	0.188398	4.18E-05	0.291762	1.29E-10	0.309651
0.234943	2.81E-07	0.136856	0.00304	0.149108	0.00123	0.086832	0.0608	0.070945
0.296209	6.53E-11	0.221211	1.38E-06	0.225902	8.11E-07	0.167246	0.00028	0.220576
0.089513	0.05322	0.028289	0.54199	0.04081	0.37891	0.00779	0.86667	-0.0279

0.19006	3.57E-05	0.093738	0.04289	0.092802	0.04502	0.07668	0.09791	0.068916
-0.06658	0.15082	-0.08833	0.05645	-0.03616	0.43564	-0.11171	0.01573	-0.10256
0.143483	0.00188	0.035299	0.44665	0.094595	0.04102	-0.00997	0.82994	0.036773
-0.01647	0.72266	-0.04476	0.33451	-0.0213	0.64619	-0.0483	0.29758	-0.0812
0.044243	0.34008	0.061923	0.18159	0.037581	0.41781	0.07203	0.12008	0.105541
-0.01613	0.72817	-0.00768	0.86853	0.001939	0.96666	-0.01376	0.76681	-0.06471
0.038397	0.40776	0.050631	0.27487	0.008783	0.84986	0.068773	0.13781	-0.01596
-0.03059	0.50967	-0.02804	0.54559	-0.00764	0.86924	-0.03306	0.47599	-0.10245
-0.02459	0.59605	-0.04904	0.29024	-0.03094	0.50485	-0.04794	0.30123	-0.13491
-0.01941	0.67562	-0.038	0.41267	-0.04038	0.38399	-0.0256	0.58107	-0.07058
0.255031	2.28E-08	0.163852	0.00038	0.101344	0.02854	0.204958	8.01E-06	0.068638
-0.04757	0.30501	-0.05606	0.2266	-0.04445	0.33779	-0.04989	0.28197	-0.12229
-0.04843	0.29632	-0.05333	0.2501	-0.03701	0.42497	-0.06962	0.133	-0.11727
0.110605	0.0168	-0.11471	0.01312	-0.02773	0.55	-0.13612	0.0032	-0.15972
-0.01207	0.79479	0.00672	0.88485	0.028555	0.53819	-0.02472	0.59412	0.072552
0.025706	0.5795	-0.05157	0.26607	0.022453	0.6284	-0.09862	0.03311	-0.10226
0.088892	0.05491	0.056142	0.22592	0.066714	0.15002	0.030398	0.51228	0.077274
0.003131	0.94621	0.084348	0.06859	0.031264	0.50033	0.111125	0.01629	0.092288
0.080413	0.08258	0.133982	0.00372	0.132208	0.00421	0.121379	0.00865	0.100839
0.254837	2.34E-08	0.260151	1.16E-08	0.249582	4.61E-08	0.241676	1.24E-07	0.135884
0.077217	0.09557	0.057507	0.21481	0.106811	0.02096	0.018977	0.68251	0.017121
-0.01319	0.77623	-0.00614	0.89474	0.011504	0.80417	0.003505	0.93978	0.045904
0.147875	0.00135	0.246819	6.54E-08	0.150288	0.00112	0.298922	4.29E-11	0.197335
0.126651	0.00613	0.071158	0.12464	0.090441	0.05079	0.074845	0.10623	0.055158
-0.02422	0.60166	0.033458	0.47072	0.004073	0.93005	0.056047	0.22671	0.10698
-0.00028	0.99514	0.067381	0.14598	0.024307	0.60031	0.082908	0.07347	0.213291
-0.06277	0.17571	-0.10222	0.02718	-0.04804	0.30018	-0.1236	0.00749	-0.14291
0.073814	0.11115	0.06542	0.15811	0.098181	0.03391	0.021186	0.64792	0.016815
0.035612	0.44262	0.168565	0.00025	0.06686	0.14914	0.223604	1.05E-06	0.208893
0.132779	0.00405	0.171074	0.0002	0.075331	0.10398	0.212352	3.66E-06	0.216967
0.023316	0.61526	0.024349	0.59968	0.008776	0.84998	0.030179	0.51533	-0.0057
0.296351	6.39E-11	0.18996	3.60E-05	0.230458	4.78E-07	0.111956	0.0155	0.067741
0.106703	0.02109	0.022448	0.62849	0.05412	0.2431	0.001593	0.97261	-0.02514
0.031518	0.49685	0.022541	0.62705	0.035771	0.44059	0.00257	0.95582	-0.02019
-0.00541	0.90718	-0.16541	0.00033	-0.07416	0.10946	-0.1967	1.86E-05	-0.17825
-0.01922	0.67863	-0.12252	0.00804	-0.05434	0.24122	-0.13317	0.00394	-0.22802
0.055301	0.23295	0.141447	0.00218	0.082445	0.07509	0.139863	0.00245	0.169255
0.04941	0.28663	0.016236	0.72638	0.046122	0.31995	0.024167	0.60241	-0.00931
0.210155	4.64E-06	0.257107	1.74E-08	0.226902	7.23E-07	0.203211	9.60E-06	0.132576
0.131677	0.00437	0.09312	0.04429	0.119086	0.01	0.038123	0.41111	0.023601
0.145545	0.00161	0.141944	0.00211	0.139818	0.00246	0.114418	0.01336	0.084398
0.085522	0.06481	0.096268	0.03756	0.096775	0.03656	0.069136	0.13575	0.096422
0.18988	3.63E-05	0.155315	0.00076	0.099887	0.03091	0.170934	0.00021	0.26297
0.017552	0.7052	0.058075	0.21032	0.03474	0.45389	0.050514	0.27598	-0.02285
-0.03587	0.43937	-0.05148	0.26687	-0.03734	0.42083	-0.04764	0.30425	-0.09973

0.095871	0.03836	0.095919	0.03826	0.105594	0.02248	0.059209	0.20153	0.036845
0.149459	0.0012	0.219571	1.66E-06	0.197007	1.80E-05	0.166206	0.00031	0.205026
0.191545	3.09E-05	0.130501	0.00473	0.20029	1.29E-05	0.023144	0.61787	0.142613
0.047908	0.30154	0.052852	0.25434	0.05373	0.24652	0.070391	0.12877	0.037621
0.054826	0.237	0.077048	0.0963	0.073959	0.11045	0.068925	0.13694	0.043686
0.119583	0.00969	0.260177	1.16E-08	0.166527	0.0003	0.264087	6.84E-09	0.311312
0.173475	0.00016	0.188563	4.12E-05	0.216997	2.21E-06	0.102268	0.02711	0.119987
0.27191	2.33E-09	0.202734	1.01E-05	0.294782	8.13E-11	0.059341	0.20052	0.037135
-0.18368	6.53E-05	-0.12347	0.00755	-0.13007	0.00487	-0.08957	0.05308	-0.17477
-0.12926	0.00515	-0.08826	0.05665	-0.06366	0.16966	-0.08681	0.06087	-0.19456
0.217256	2.15E-06	0.158059	0.00061	0.17524	0.00014	0.121193	0.00875	0.063313
0.029919	0.51895	0.018655	0.68761	0.040936	0.37744	0.015554	0.73745	-0.03559
0.144348	0.00176	0.065474	0.15777	0.120337	0.00924	0.03005	0.51712	0.002383
0.115496	0.01251	0.190418	3.44E-05	0.130475	0.00474	0.183629	6.56E-05	0.245441
0.287235	2.54E-10	0.196716	1.86E-05	0.243032	1.05E-07	0.106387	0.02148	0.16188
0.241187	1.32E-07	0.180623	8.67E-05	0.186517	5.00E-05	0.135853	0.00327	0.076767
0.182196	7.50E-05	0.149406	0.0012	0.156313	0.0007	0.112713	0.01481	0.087098
-0.02066	0.65614	-0.13422	0.00366	-0.06749	0.14532	-0.15135	0.00104	-0.16629
0.12957	0.00504	0.110439	0.01696	0.120869	0.00893	0.072698	0.11667	0.085289
0.062659	0.17645	0.085473	0.06496	0.059522	0.19915	0.081141	0.07983	0.228476
0.162713	0.00041	0.077504	0.09435	0.092827	0.04497	0.059461	0.19962	0.099397
0.096009	0.03808	0.091115	0.04909	0.080133	0.08366	0.069746	0.13232	0.068753
0.009473	0.83822	0.009704	0.83434	0.021362	0.64519	0.005747	0.90143	0.004006
0.269419	3.29E-09	0.214364	2.95E-06	0.211177	4.16E-06	0.168199	0.00026	0.150084
0.067352	0.14616	0.091023	0.04932	0.092359	0.04606	0.071357	0.12359	0.155003
0.194111	2.40E-05	0.214468	2.91E-06	0.20948	4.98E-06	0.143865	0.00183	0.310589
0.098938	0.03255	0.059399	0.20008	0.079028	0.08803	0.036501	0.43132	0.025271
-0.00984	0.83202	-0.11534	0.01263	-0.04585	0.32282	-0.12483	0.00691	-0.24344
0.048086	0.29976	-0.01218	0.79285	0.00876	0.85024	-0.01374	0.76704	0.012483
0.334481	1.14E-13	0.299185	4.11E-11	0.317005	2.32E-12	0.194488	2.31E-05	0.296842
0.126359	0.00625	0.078289	0.09105	0.079931	0.08444	0.073418	0.11309	0.149305
0.257549	1.64E-08	0.273569	1.84E-09	0.267458	4.32E-09	0.203258	9.56E-06	0.161145
-0.0224	0.62927	-0.12131	0.00868	-0.06024	0.1938	-0.13773	0.00286	-0.09849
0.133901	0.00374	0.010485	0.82121	0.073186	0.11424	-0.03469	0.45454	-0.09009
-0.12043	0.00919	-0.13842	0.00272	-0.12611	0.00635	-0.10801	0.01956	-0.19209
-0.0444	0.33842	-0.01873	0.68647	-0.02659	0.56658	-0.00137	0.97647	0.002049
-0.02696	0.56108	-0.13064	0.00469	-0.08783	0.05787	-0.13261	0.0041	-0.28616
0.155316	0.00076	0.183553	6.61E-05	0.142386	0.00204	0.175201	0.00014	0.134906
0.042537	0.35904	0.110857	0.01655	0.067762	0.14371	0.108463	0.01905	0.138369
0.078215	0.09135	0.004605	0.92094	0.087576	0.05861	-0.05876	0.20498	-0.08219
0.127867	0.00565	0.147161	0.00143	0.141201	0.00222	0.120253	0.00929	0.088952
0.029914	0.51902	0.024802	0.5929	0.042396	0.36064	0.004595	0.92111	0.100667
-0.01661	0.72033	-0.0059	0.89882	-0.01094	0.81365	-0.01234	0.79031	0.021809
0.030014	0.51762	-0.13096	0.00459	-0.05075	0.27371	-0.15125	0.00104	-0.25089
0.027597	0.55192	0.007443	0.87256	0.016012	0.73001	-7.38E-05	0.99873	0.03744

0.004627	0.92057	0.003532	0.93932	0.003063	0.94736	-0.00514	0.91179	0.060304
0.012548	0.78681	0.059741	0.1975	0.019689	0.67128	0.058066	0.21038	0.044683
0.061732	0.18295	0.092458	0.04583	0.077821	0.093	0.099448	0.03166	0.160405
0.196381	1.92E-05	0.165764	0.00032	0.201762	1.11E-05	0.090939	0.04953	0.082304
0.008379	0.85669	-0.055	0.23548	-0.06318	0.17284	-0.04046	0.38307	-0.14415
-0.00208	0.96426	0.061119	0.18734	0.011096	0.81099	0.068288	0.14062	0.141698
-0.04739	0.30676	-0.17764	0.00011	-0.1125	0.015	-0.19279	2.74E-05	-0.30715
0.162839	0.00041	0.221523	1.33E-06	0.260819	1.06E-08	0.089086	0.05438	0.054584
-0.00639	0.89047	0.001362	0.97658	-0.03272	0.48056	0.035002	0.45049	-0.05464
0.237105	2.17E-07	0.344191	1.96E-14	0.300553	3.32E-11	0.285014	3.54E-10	0.208739
-0.06426	0.1656	-0.05634	0.2243	-0.07279	0.11623	-0.02558	0.58133	-0.01141
0.039516	0.39421	-0.01819	0.69505	0.014023	0.76247	-0.03619	0.43525	-0.13278
0.049821	0.28263	0.155021	0.00078	0.079172	0.08745	0.172646	0.00018	0.23234
0.194908	2.22E-05	0.134489	0.00359	0.164272	0.00036	0.086288	0.06244	0.045269
0.066733	0.14991	0.107537	0.0201	0.077535	0.09422	0.098275	0.03374	0.212952
-0.06108	0.18762	-0.02764	0.55129	0.014958	0.74715	-0.06734	0.14622	-0.10887
0.052142	0.26078	0.041634	0.36935	0.046388	0.31717	0.017018	0.71376	0.037893
0.114561	0.01324	0.080039	0.08403	0.098357	0.03359	0.052181	0.26043	0.061298
0.100033	0.03067	-0.01446	0.75531	0.088422	0.05621	-0.09115	0.04901	-0.10358
0.085742	0.06412	0.026127	0.57331	0.029196	0.5291	0.01366	0.76843	0.00503
-0.04048	0.38279	0.019063	0.68116	-0.0176	0.70446	0.036746	0.42823	0.057655
0.065895	0.15511	0.14108	0.00224	0.102287	0.02708	0.150575	0.0011	0.153079
0.102088	0.02738	0.009657	0.83513	0.024655	0.5951	0.018145	0.69573	-0.00071
0.08704	0.06018	0.083506	0.07141	0.093352	0.04376	0.0529	0.2539	0.041609
0.043926	0.34355	0.127457	0.00581	0.083225	0.07237	0.134639	0.00356	0.074635
0.044058	0.34211	0.054184	0.24255	0.063658	0.16964	0.020594	0.65712	-0.00752
0.054872	0.23661	0.063597	0.17005	0.048798	0.29265	0.056871	0.21994	0.013605
0.00326	0.94399	0.01802	0.69772	0.01374	0.76712	0.018789	0.68549	-0.00011
0.054558	0.23931	0.016242	0.72627	0.043753	0.34546	-0.01753	0.70558	0.035523
0.018425	0.69127	-0.0704	0.12871	-0.04448	0.33747	-0.06815	0.14143	-0.04558
0.120236	0.0093	0.061714	0.18308	0.093799	0.04276	0.00729	0.87515	-0.04195
-0.02723	0.55725	0.056906	0.21966	0.00556	0.90462	0.07424	0.1091	0.152212
0.078468	0.09031	0.127317	0.00587	0.084019	0.06968	0.118611	0.01031	0.129634
0.066325	0.15242	0.00058	0.99003	0.021312	0.64597	-0.02267	0.6251	-0.02417
0.011758	0.79994	-0.0116	0.80259	-0.01734	0.70862	-0.01894	0.68314	-0.01585
0.1676	0.00027	0.067032	0.14809	0.124976	0.00685	-0.00066	0.98867	0.167065
0.042671	0.35754	0.095382	0.03936	0.074953	0.10573	0.076746	0.09762	0.255617
0.032431	0.48446	0.015326	0.74115	0.007679	0.86856	0.027013	0.56037	-0.04427
0.02131	0.646	-0.0815	0.0785	-0.05973	0.19756	-0.05792	0.21152	-0.12385
-0.04431	0.33935	-0.05372	0.24658	-0.06161	0.18382	-0.03611	0.43625	-0.0979
0.253977	2.62E-08	0.170168	0.00022	0.251751	3.49E-08	0.054575	0.23916	0.085324
0.068001	0.1423	0.16102	0.00048	0.098723	0.03293	0.182273	7.44E-05	0.064539
0.034967	0.45093	0.015422	0.73959	0.006082	0.89571	0.016333	0.72481	-0.01422
0.27688	1.15E-09	0.202401	1.04E-05	0.223935	1.02E-06	0.125743	0.00651	0.083813
0.039722	0.39176	-0.01724	0.71022	-1.50E-05	0.99974	-0.03162	0.49545	-0.09076

-0.0352	0.44795	0.035046	0.44992	-0.02111	0.64909	0.082353	0.07542	0.059373
0.057982	0.21104	0.163853	0.00038	0.095034	0.04009	0.180629	8.66E-05	0.278129
0.051684	0.265	-0.12311	0.00774	-0.03064	0.5089	-0.1434	0.00189	-0.20978
0.038792	0.40295	0.038478	0.40677	0.059634	0.1983	0.009689	0.83459	-0.01148
0.06345	0.17104	0.084145	0.06926	0.07807	0.09196	0.0716	0.12231	0.078166
0.07179	0.12132	0.09935	0.03183	0.100135	0.0305	0.052311	0.25924	0.048331
0.141823	0.00213	0.091542	0.04803	0.11084	0.01656	0.060424	0.19242	0.086247
0.071561	0.12252	0.03563	0.4424	0.063182	0.17286	0.019892	0.66809	0.02898
0.210868	4.30E-06	0.281958	5.53E-10	0.345323	1.59E-14	0.12597	0.00641	0.084556
0.064938	0.1612	0.146936	0.00145	0.111419	0.016	0.137107	0.00299	0.067725
-0.03529	0.44672	-0.02054	0.658	-0.02324	0.61648	-0.0149	0.74802	-0.02092
-0.02972	0.52176	-0.02856	0.53809	-0.0231	0.61851	-0.01893	0.68325	-0.03674
0.00287	0.95068	0.028245	0.54262	0.013093	0.7778	0.052199	0.26026	0.020058
0.085029	0.06637	0.0587	0.20544	0.064511	0.16398	0.061346	0.1857	0.041385
0.063073	0.1736	0.028484	0.53921	0.050178	0.27919	0.006648	0.88607	-0.01714
0.031984	0.49051	0.033723	0.46722	0.060541	0.19156	-0.00192	0.96702	-0.05404
0.013041	0.77866	0.035486	0.44425	0.014535	0.75406	0.04264	0.35788	0.064299
0.025717	0.57934	0.037643	0.41703	0.053286	0.25045	0.024549	0.59669	0.012647
0.057638	0.21377	0.001154	0.98017	-0.00424	0.92723	0.00605	0.89626	-0.01766
0.05446	0.24015	0.080914	0.08068	0.082558	0.07469	0.058223	0.20915	0.056724
0.053192	0.25129	0.062275	0.17912	0.040032	0.38806	0.067008	0.14824	0.040509
-0.10269	0.02648	-0.19103	3.25E-05	-0.11385	0.01383	-0.19757	1.70E-05	-0.24747
0.010669	0.81813	0.067606	0.14464	0.019839	0.66892	0.080737	0.08135	0.123311
0.150469	0.00111	0.177451	0.00012	0.263041	7.88E-09	0.030925	0.50498	0.039218
0.22729	6.92E-07	0.167642	0.00027	0.207335	6.25E-06	0.090837	0.04979	0.105281
-0.00037	0.99369	0.018611	0.68832	0.009011	0.84601	0.00975	0.83357	0.00746
0.072643	0.11695	0.063061	0.17368	0.074282	0.1089	0.033801	0.46619	0.040625
0.232374	3.82E-07	0.157767	0.00062	0.175881	0.00013	0.085436	0.06508	0.049
-0.0474	0.3067	-0.1505	0.00111	-0.10034	0.03015	-0.14928	0.00121	-0.23328
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-0.15602	0.00072	-0.1293	0.00514	-0.1327	0.00407	-0.09209	0.0467	-0.1815
0.048953	0.29111	0.192645	2.77E-05	0.063173	0.17292	0.240315	1.47E-07	0.224009
0.163006	0.0004	0.061145	0.18715	0.063826	0.16851	0.047596	0.30471	0.062855
0.022649	0.62541	0.019438	0.67524	0.018089	0.69661	0.014404	0.75622	0.055919
0.00478	0.91795	-0.00073	0.98742	0.042869	0.35531	-0.05816	0.20965	-0.07356
0.063863	0.16827	0.120714	0.00902	0.07927	0.08706	0.12486	0.0069	0.073306
0.020319	0.66141	0.016127	0.72814	0.059619	0.19842	-0.01656	0.72108	-0.06931
0.005488	0.90585	0.007582	0.8702	0.017966	0.69857	0.003053	0.94753	-0.05794
-0.04242	0.36035	-0.06554	0.15737	0.00643	0.88978	-0.09493	0.04031	-0.13386
0.104106	0.02446	0.133945	0.00373	0.110295	0.01711	0.121991	0.00831	0.138603
0.137448	0.00292	0.078528	0.09006	0.069253	0.13508	0.069483	0.13379	0.163068
0.268916	3.53E-09	0.148249	0.00131	0.201793	1.11E-05	0.066753	0.14979	0.078505
0.081233	0.07949	0.047811	0.30253	0.066575	0.15088	0.017313	0.70903	-0.00592
-0.01496	0.74718	0.021625	0.64112	-0.01591	0.73173	0.039551	0.3938	0.038223
0.025877	0.57698	0.12111	0.0088	0.070839	0.12635	0.123519	0.00753	0.240968



-0.04654	0.31554	-0.04	0.38847	-0.04575	0.32384	-0.03517	0.44826	-0.05869
0.145752	0.00159	0.091299	0.04863	0.152328	0.00096	0.012241	0.79192	-0.02493
-0.02767	0.55087	-0.03145	0.4978	-0.01547	0.73883	-0.02885	0.53394	0.001323
0.020295	0.66179	0.026746	0.56425	0.009109	0.84435	0.045784	0.32351	0.012394
0.14399	0.00181	0.106842	0.02093	0.133745	0.00379	0.065871	0.15525	0.065586
0.101711	0.02796	0.051043	0.27098	0.037798	0.41511	0.056531	0.22271	0.031697
0.072522	0.11757	0.042707	0.35712	0.107273	0.02041	-0.03202	0.48997	0.051681
-0.01252	0.7872	-0.0095	0.83784	-0.00629	0.89221	-0.00699	0.88018	-0.00627
0.193615	2.52E-05	0.057658	0.21361	0.121929	0.00835	-0.00086	0.98522	-0.03429
0.071892	0.12079	-0.03325	0.47349	0.016176	0.72734	-0.04559	0.32556	-0.0376
-0.01966	0.67175	-0.00737	0.87386	-0.01066	0.81832	-0.01357	0.76984	0.001573
0.121439	0.00861	0.017948	0.69886	0.04036	0.38419	0.025469	0.58301	0.015243
0.200555	1.26E-05	0.095435	0.03925	0.15073	0.00109	0.055723	0.22941	0.116841
0.075906	0.10136	0.011491	0.8044	0.038668	0.40445	0.011082	0.81122	0.03554
0.263726	7.18E-09	0.115266	0.01268	0.207606	6.07E-06	0.024541	0.59681	0.078704
0.231551	4.21E-07	0.131445	0.00444	0.203652	9.18E-06	0.032133	0.48849	0.065281
0.086232	0.06261	0.150381	0.00112	0.186703	4.92E-05	0.042021	0.36491	0.1684
0.030707	0.508	-0.045	0.33183	0.018031	0.69754	-0.07846	0.09034	-0.08394
-0.0524	0.25841	-0.02129	0.64632	-0.03472	0.45411	-0.00933	0.8407	0.057344
0.133138	0.00395	0.130581	0.00471	0.164533	0.00036	0.060308	0.19327	0.142919
0.102488	0.02678	0.131259	0.00449	0.165055	0.00034	0.0587	0.20544	0.018307
-0.02387	0.60687	-0.03395	0.46429	-0.03137	0.49886	-0.02763	0.55141	-0.06687
0.038744	0.40354	0.197681	1.68E-05	0.075168	0.10473	0.265273	5.82E-09	0.140549
0.208095	5.77E-06	0.182742	7.13E-05	0.181121	8.28E-05	0.139527	0.00251	0.102986
-0.01422	0.75921	-0.00507	0.91305	-0.00342	0.94128	0.005022	0.91382	0.01682
0.057568	0.21433	0.03544	0.44483	0.030225	0.51469	0.041418	0.37184	0.000468
0.084291	0.06878	0.036416	0.43239	0.022576	0.62652	0.057409	0.2156	0.046317
0.129751	0.00498	0.124767	0.00694	0.075461	0.10338	0.129267	0.00515	0.071807
0.046322	0.31786	0.00317	0.94554	0.039511	0.39428	-0.01671	0.7188	-0.07374
0.088385	0.05631	0.071548	0.12259	0.069445	0.134	0.084568	0.06786	0.075396
0.065128	0.15998	0.067537	0.14505	0.070545	0.12793	0.071545	0.12261	-0.04141
0.096467	0.03716	0.021599	0.64153	0.017009	0.71391	0.030361	0.5128	0.048256
0.086779	0.06096	0.047741	0.30324	0.05616	0.22577	0.023879	0.60676	0.013595
0.063376	0.17154	0.082298	0.07562	0.075348	0.1039	0.068731	0.13806	0.034533
0.285231	3.42E-10	0.29565	7.11E-11	0.322213	9.64E-13	0.187597	4.51E-05	0.134191
0.002331	0.95993	0.036632	0.42967	0.027292	0.55633	0.018408	0.69154	0.090576
0.055939	0.22761	0.045701	0.32439	0.036455	0.43189	0.053721	0.2466	0.025237
0.029693	0.52211	-0.05063	0.27489	-0.03432	0.45932	-0.03919	0.39811	-0.05367
-0.15353	0.00087	-0.21301	3.41E-06	-0.16209	0.00044	-0.20722	6.33E-06	-0.28307
0.121846	0.00839	0.055843	0.2284	0.046935	0.31149	0.047625	0.30442	0.126014
0.012176	0.79299	0.074027	0.11012	0.008379	0.85669	0.09093	0.04955	0.152293
0.063634	0.1698	0.091888	0.04719	0.094826	0.04053	0.047486	0.30583	0.277935
0.032274	0.48658	0.041727	0.36828	0.034522	0.45673	0.031013	0.50378	0.018678
0.092674	0.04532	0.070069	0.13053	0.0513	0.26857	0.080584	0.08193	0.080545
0.060771	0.18987	-0.07661	0.09821	0.012024	0.79551	-0.10265	0.02655	-0.18291

0.04793	0.30132	0.170471	0.00021	0.089442	0.05341	0.186703	4.92E-05	0.240674
0.130245	0.00482	0.116344	0.01187	0.109536	0.01789	0.092794	0.04504	0.070691
0.008959	0.84688	-0.02987	0.5197	-0.04016	0.3866	0.006954	0.88086	-0.0887
0.094699	0.0408	-0.10797	0.01961	0.005343	0.90832	-0.16933	0.00024	-0.25907
0.081304	0.07923	0.112793	0.01474	0.116438	0.0118	0.080194	0.08342	0.078178
0.09114	0.04903	0.184059	6.30E-05	0.145828	0.00158	0.153367	0.00088	0.136283
-0.01484	0.74913	-0.06003	0.19535	-0.06011	0.19475	-0.05534	0.23265	-0.10846
0.134601	0.00357	-0.02223	0.63182	0.076083	0.10056	-0.09065	0.05027	-0.11241
-0.0259	0.57661	-0.02488	0.59181	-0.0248	0.593	-0.0155	0.73839	-0.01855
-0.04006	0.38774	-0.12931	0.00513	-0.02981	0.52042	-0.15803	0.00061	-0.26572
0.092081	0.04673	-0.02233	0.63035	0.040726	0.37989	-0.04834	0.29723	-0.10433
0.150815	0.00108	0.065228	0.15934	0.086027	0.06324	0.046538	0.3156	0.065286
0.060296	0.19336	0.059537	0.19904	0.081787	0.07745	0.030998	0.50398	0.091093
0.068888	0.13716	0.046154	0.31961	0.045775	0.32361	0.025711	0.57943	0.224678
0.153382	0.00088	0.072042	0.12002	0.144879	0.00169	0.003357	0.94233	0.023451
0.091872	0.04723	0.123654	0.00747	0.090886	0.04966	0.117027	0.01138	0.249691
0.180089	9.10E-05	0.122921	0.00783	0.153341	0.00089	0.076036	0.10077	0.10083
0.006929	0.88129	0.016665	0.71945	0.012437	0.78866	0.019227	0.67856	0.068945
-0.01295	0.78009	-0.00092	0.98414	0.005023	0.91379	0.010303	0.82426	-0.00468
0.110316	0.01709	0.08001	0.08414	0.089351	0.05366	0.058068	0.21037	0.110296
-0.18352	6.63E-05	-0.23521	2.72E-07	-0.2154	2.63E-06	-0.19525	2.15E-05	-0.27453
-0.01628	0.72561	-0.04056	0.38183	-0.0399	0.38967	-0.0204	0.66008	-0.12146
-0.00761	0.8697	0.040644	0.38085	-0.03234	0.48565	0.090684	0.05017	-0.02359
0.034822	0.45282	0.024649	0.59519	0.030242	0.51445	0.017761	0.70186	0.094969
0.07535	0.10389	0.176685	0.00012	0.124193	0.00721	0.160272	0.00051	0.286326
0.057618	0.21393	0.092998	0.04457	0.061772	0.18267	0.089392	0.05355	0.097822
-0.03975	0.3914	0.016914	0.71544	-0.02599	0.57531	0.033928	0.46451	0.216898
0.101317	0.02858	0.109141	0.01831	0.036131	0.436	0.13316	0.00394	0.30356
0.068643	0.13856	0.028114	0.54448	0.02262	0.62585	0.027871	0.54798	0.058978
0.189671	3.70E-05	0.131074	0.00455	0.110946	0.01646	0.157042	0.00066	0.069022
0.014303	0.75786	0.073594	0.11223	0.038524	0.40621	0.084967	0.06657	0.123243
-0.03198	0.49062	-0.14377	0.00184	-0.05379	0.24595	-0.18525	5.64E-05	-0.13449
-0.00912	0.8442	0.006648	0.88606	-0.00051	0.99126	0.001341	0.97694	0.101703
-0.03915	0.39858	-0.08558	0.06464	-0.04786	0.30205	-0.09215	0.04657	-0.08867
0.039482	0.39463	0.060043	0.19524	0.059459	0.19963	0.039735	0.3916	0.069564
0.13508	0.00345	0.182804	7.09E-05	0.151822	0.001	0.16831	0.00026	0.114174
0.144828	0.0017	0.156149	0.00071	0.138194	0.00276	0.113112	0.01446	0.239123
-0.00559	0.90407	-0.01322	0.77566	-0.01201	0.79568	-0.02161	0.64139	0.03313
0.247438	6.05E-08	0.192311	2.87E-05	0.264242	6.70E-09	0.059249	0.20123	0.054454
-0.03272	0.4806	-0.03956	0.39366	-0.02203	0.63485	-0.05718	0.21741	-0.08604
0.119882	0.00951	0.058571	0.20643	0.119864	0.00952	0.001222	0.97898	0.004564
-0.18006	9.12E-05	-0.1636	0.00039	-0.12549	0.00662	-0.14719	0.00142	-0.22369
0.141804	0.00213	0.009652	0.83521	0.03805	0.41201	0.004938	0.91524	-0.02476
0.072994	0.11519	-0.00748	0.87199	0.026915	0.56178	-0.01503	0.74591	-0.03276
0.119191	0.00994	0.079838	0.08481	0.068023	0.14217	0.085787	0.06398	0.184106

0.102686	0.02649	-0.07111	0.12488	0.005468	0.90619	-0.11063	0.01677	-0.08939
0.052672	0.25596	0.077894	0.09269	0.059398	0.20009	0.062352	0.17858	0.143336
0.078696	0.08937	0.032141	0.48838	0.02158	0.64183	0.031757	0.49359	0.087302
0.0152	0.7432	0.024393	0.59902	0.027048	0.55985	0.015887	0.73203	-0.01807
0.209297	5.08E-06	0.13524	0.00341	0.208809	5.35E-06	0.048126	0.29935	0.028169
0.050139	0.27957	0.00479	0.91777	0.033109	0.47537	-0.02471	0.59432	-0.05647
-0.00442	0.92413	-0.0114	0.80584	-0.00174	0.97003	-0.0009	0.98455	0.002929
0.039117	0.39902	0.071298	0.1239	0.055668	0.22987	0.081507	0.07848	0.067456
0.043197	0.35163	0.018999	0.68217	0.019673	0.67154	0.027224	0.55731	-0.0107
0.038466	0.40692	0.043675	0.34633	0.041303	0.37316	0.031133	0.50213	-0.00195
0.088933	0.05479	-0.00164	0.97178	-0.00519	0.91095	0.002491	0.95718	0.102156
0.076936	0.09679	0.09765	0.03489	0.100275	0.03026	0.063563	0.17028	0.049181
0.070883	0.12611	0.089497	0.05327	0.056879	0.21987	0.094208	0.04186	0.217789
0.104104	0.02446	0.060479	0.19201	0.107569	0.02007	-0.00073	0.9874	-0.03231
0.045784	0.32351	0.061691	0.18324	0.052922	0.25371	0.065081	0.16028	0.047138
0.009993	0.82947	-0.04576	0.32374	0.016844	0.71656	-0.08497	0.06657	-0.11281
0.273203	1.94E-09	0.199868	1.35E-05	0.233986	3.15E-07	0.127427	0.00582	0.098426
0.017448	0.70686	0.05925	0.20122	0.028638	0.53701	0.066484	0.15144	0.151941
-0.02119	0.64793	0.030585	0.50969	0.005647	0.90313	0.044116	0.34148	0.045135
0.04881	0.29253	0.013153	0.77681	0.017142	0.71177	0.01821	0.6947	0.00937
0.263895	7.02E-09	0.329871	2.57E-13	0.258063	1.53E-08	0.311122	6.12E-12	0.225029
0.044432	0.33802	0.17268	0.00018	0.070761	0.12677	0.218881	1.79E-06	0.193919
0.02493	0.591	-0.00367	0.93701	0.014603	0.75295	0.000544	0.99064	-0.0013
0.004465	0.92333	0.007529	0.87109	0.01683	0.71679	0.007658	0.8689	0.04733
0.310522	6.75E-12	0.222506	1.19E-06	0.21463	2.86E-06	0.176573	0.00013	0.100344
0.159432	0.00054	0.080315	0.08296	0.051781	0.26411	0.111626	0.01581	0.04203
0.032983	0.47706	0.076739	0.09765	0.05262	0.25643	0.110079	0.01733	0.079932
0.143751	0.00184	0.181238	8.19E-05	0.151158	0.00105	0.165956	0.00032	0.132519
0.037679	0.41659	0.23898	1.73E-07	0.094324	0.04161	0.313916	3.87E-12	0.294228
0.047214	0.30861	0.083313	0.07207	0.06394	0.16775	0.076083	0.10056	0.299786
0.043524	0.34799	0.0456	0.32546	0.009295	0.84122	0.07081	0.1265	0.0419
0.045874	0.32256	0.207833	5.93E-06	0.088794	0.05517	0.280879	6.48E-10	0.17633
0.099562	0.03147	0.099713	0.03121	0.085129	0.06605	0.079461	0.08629	0.044228
0.134156	0.00368	0.137466	0.00291	0.091653	0.04776	0.166885	0.00029	0.094635
0.177756	0.00011	0.276249	1.26E-09	0.13701	0.00301	0.355699	2.25E-15	0.213794
-0.02266	0.62529	-0.00561	0.90378	-0.0075	0.87166	-0.01491	0.74794	0.19614
0.08784	0.05785	0.163442	0.00039	0.072774	0.11629	0.221338	1.36E-06	0.119432
0.085118	0.06609	0.099232	0.03203	0.061577	0.18405	0.1101	0.01731	0.102827
0.105504	0.02259	0.081273	0.07934	0.084732	0.06733	0.08705	0.06015	0.037007
0.276532	1.21E-09	0.100113	0.03053	0.079706	0.08533	0.126996	0.00599	0.201638
0.098075	0.0341	0.005422	0.90698	0.025475	0.58292	0.013265	0.77495	0.002209
0.096669	0.03677	0.04029	0.38501	0.028453	0.53964	0.038499	0.40651	0.060059
0.327832	3.67E-13	0.132197	0.00421	0.192973	2.69E-05	0.059885	0.19642	0.027817
0.200057	1.33E-05	0.237812	1.99E-07	0.113238	0.01435	0.290728	1.51E-10	0.151674
0.259643	1.24E-08	0.114432	0.01335	0.112701	0.01482	0.111912	0.01554	0.043505

0.31629	2.61E-12	0.149208	0.00122	0.163121	0.0004	0.132161	0.00422	0.14775
0.149594	0.00119	0.075289	0.10417	0.074659	0.10711	0.084439	0.06829	0.091119
-0.01204	0.79523	-0.01573	0.7345	-0.0124	0.78927	-0.00838	0.85673	-0.02843
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0.06869	0.13829	0.152206	0.00097	0.103254	0.02566	0.210616	4.41E-06	0.108611
0.064158	0.1663	0.08398	0.06981	0.075623	0.10264	0.088802	0.05515	0.203897
0.07172	0.12169	0.118033	0.01069	0.087302	0.05941	0.13682	0.00305	0.037106
0.151546	0.00102	0.081057	0.08015	0.086462	0.06191	0.071741	0.12158	0.04692
0.296679	6.07E-11	0.276626	1.19E-09	0.223011	1.13E-06	0.252708	3.08E-08	0.212179
0.05635	0.2242	0.118139	0.01061	0.08506	0.06627	0.15371	0.00086	0.186043
0.072216	0.11912	0.043728	0.34574	0.083664	0.07087	-0.01077	0.81649	-0.01131
0.241414	1.28E-07	0.197192	1.77E-05	0.161487	0.00046	0.218135	1.95E-06	0.15492
0.135058	0.00345	0.043418	0.34917	0.054413	0.24055	0.037698	0.41636	0.029699
0.053228	0.25097	0.164752	0.00035	0.078531	0.09005	0.201755	1.12E-05	0.095363
0.174447	0.00015	0.183291	6.77E-05	0.210082	4.67E-06	0.108931	0.01854	0.071576
0.209477	4.98E-06	0.173515	0.00016	0.228837	5.78E-07	0.078859	0.08871	0.089415
0.27736	1.08E-09	0.191923	2.98E-05	0.232443	3.79E-07	0.123386	0.0076	0.067415
0.066573	0.15089	0.020917	0.65208	0.018001	0.69802	0.018124	0.69606	0.007221
0.323434	7.82E-13	0.248546	5.26E-08	0.146667	0.00148	0.309482	8.00E-12	0.151501
0.050677	0.27443	-0.06062	0.19094	2.25E-05	0.99961	-0.10248	0.02679	-0.08138
0.208303	5.64E-06	0.104005	0.0246	0.113272	0.01432	0.081407	0.07884	0.170365
-0.03436	0.45884	-0.03009	0.51652	-0.02559	0.58119	-0.02388	0.60678	-0.0593
-0.0358	0.4402	-0.02761	0.55175	-0.01679	0.7175	-0.02799	0.54619	-0.06108
-0.02567	0.57997	-0.09305	0.04446	-0.05986	0.19658	-0.10621	0.0217	-0.10972
0.03129	0.49996	0.025006	0.58988	0.020113	0.66464	0.016689	0.71907	0.054213
0.076536	0.09855	0.047144	0.30934	0.030813	0.50653	0.033105	0.47543	0.165493
0.11095	0.01646	-0.00452	0.92233	0.078955	0.08832	-0.05826	0.20888	-0.06166
-0.01917	0.6795	-0.11809	0.01065	-0.03628	0.4341	-0.15625	0.0007	-0.13039
-0.05382	0.2457	-0.06017	0.19428	-0.03243	0.48451	-0.06656	0.15096	-0.15999
-0.13226	0.0042	-0.08601	0.06329	-0.08313	0.07269	-0.07554	0.10303	-0.14276
0.075076	0.10516	0.158394	0.00059	0.097033	0.03606	0.169884	0.00023	0.156019
0.115012	0.01288	0.091602	0.04788	0.118251	0.01054	0.03346	0.4707	0.010552
0.090387	0.05093	0.069043	0.13627	0.079695	0.08537	0.04858	0.29481	0.039642
0.042008	0.36506	0.050459	0.2765	0.036516	0.43113	0.048876	0.29187	0.054545
0.007704	0.86812	0.017124	0.71207	-0.00526	0.9097	0.0453	0.32865	0.007079
0.011631	0.80207	0.043311	0.35036	0.011331	0.80706	0.065153	0.15982	0.030863
-0.00797	0.86356	-0.02173	0.63943	-0.02028	0.66202	-0.01482	0.74943	-0.04461
0.270279	2.92E-09	0.258664	1.41E-08	0.291044	1.44E-10	0.1537	0.00086	0.137487
-0.0022	0.96214	-0.05921	0.2015	-0.04393	0.34356	-0.04314	0.35232	-0.16641
0.042077	0.36427	0.051557	0.26618	0.048166	0.29894	0.056446	0.22341	0.008157
0.199731	1.37E-05	0.20506	7.93E-06	0.235831	2.53E-07	0.113081	0.01449	0.258285
0.328487	3.27E-13	0.165295	0.00033	0.211287	4.11E-06	0.096974	0.03618	0.260041
-0.07899	0.08817	-0.18908	3.92E-05	-0.10906	0.0184	-0.1977	1.68E-05	-0.31714
0.007185	0.87693	-0.00392	0.9327	0.000159	0.99726	0.016461	0.72274	0.026855
0.120308	0.00926	0.120373	0.00922	0.063654	0.16967	0.12745	0.00581	0.235768

0.064837	0.16185	0.058943	0.20356	0.066491	0.1514	0.067389	0.14594	0.031456
0.148292	0.00131	0.161216	0.00047	0.218063	1.96E-06	0.025081	0.58876	0.138864
0.035209	0.44781	0.02492	0.59116	-0.03817	0.41057	0.06333	0.17185	0.000785
-0.03448	0.45732	-0.083	0.07315	-0.00981	0.83259	-0.10642	0.02144	-0.18202
-0.07033	0.12908	-0.13908	0.00259	-0.05702	0.21877	-0.15844	0.00059	-0.27731
-0.11295	0.0146	-0.10475	0.02358	-0.1041	0.02447	-0.08971	0.05271	-0.16998
0.056623	0.22196	-0.01016	0.82664	-0.00636	0.89094	-0.00191	0.96709	-0.05306
0.141925	0.00211	0.10242	0.02688	0.122674	0.00796	0.060991	0.18827	0.150924
0.071723	0.12167	0.2269	7.23E-07	0.105501	0.0226	0.286325	2.91E-10	0.182219
0.095451	0.03922	0.238908	1.74E-07	0.115412	0.01257	0.311883	5.41E-12	0.140588
0.056591	0.22222	0.004779	0.91797	0.004577	0.92143	0.00337	0.9421	0.033368
-0.06627	0.15276	-0.06713	0.14751	-0.07167	0.12194	-0.04647	0.31631	0.001279
0.101575	0.02817	0.092643	0.04539	0.058559	0.20653	0.115448	0.01254	0.148324
0.117723	0.01089	-0.05005	0.28043	0.008544	0.8539	-0.06568	0.15645	-0.09853
-0.11165	0.01579	-0.0823	0.07559	-0.10015	0.03047	-0.05728	0.21661	-0.05912
-0.08677	0.06097	-0.14836	0.0013	-0.079	0.08812	-0.17237	0.00018	-0.29038
0.007717	0.86791	0.020072	0.66527	0.042764	0.35648	-0.00993	0.83048	-0.02569
0.01379	0.76629	0.063475	0.17087	0.014046	0.76209	0.081666	0.0779	0.015328
0.064533	0.16384	0.069918	0.13136	0.055006	0.23547	0.078791	0.08899	0.045265
0.035118	0.44898	-0.02451	0.59733	-0.00435	0.92535	-0.0208	0.65387	-0.02877
-0.12288	0.00785	-0.23306	3.52E-07	-0.1373	0.00295	-0.23656	2.32E-07	-0.41163
0.156665	0.00068	0.126549	0.00617	0.133769	0.00378	0.085727	0.06417	0.123173
0.126389	0.00624	0.142334	0.00205	0.116832	0.01152	0.120579	0.0091	0.076337
0.107852	0.01974	0.088231	0.05674	0.083439	0.07163	0.045484	0.3267	0.149352
0.103116	0.02586	0.227902	6.44E-07	0.10686	0.02091	0.291265	1.39E-10	0.200277
0.21145	4.04E-06	0.168863	0.00025	0.181357	8.10E-05	0.094256	0.04175	0.062902
-0.10193	0.02762	-0.14419	0.00178	-0.05544	0.23178	-0.18577	5.37E-05	-0.17975
-0.07106	0.12519	-0.03607	0.43673	-0.05907	0.20258	-0.03054	0.5103	-0.02003
0.046311	0.31797	-0.12037	0.00922	-0.03395	0.46424	-0.13397	0.00373	-0.27382
0.002027	0.96516	-0.04708	0.30997	-0.03212	0.48864	-0.04511	0.33073	-0.0647
0.100317	0.0302	0.033661	0.46804	0.069343	0.13458	0.004515	0.92248	-0.03715
0.110578	0.01682	0.055208	0.23375	0.042995	0.35389	0.06018	0.19422	0.139892
-0.06377	0.16885	-0.15114	0.00105	-0.09492	0.04033	-0.16506	0.00034	-0.16376
-0.01406	0.76185	-0.05949	0.19943	-0.03497	0.45091	-0.05266	0.25604	-0.09682
0.014795	0.74982	-0.0828	0.07383	-0.03374	0.46698	-0.11256	0.01494	-0.16909
0.189703	3.69E-05	0.17537	0.00014	0.199748	1.37E-05	0.093409	0.04363	0.047615
0.100317	0.0302	0.074667	0.10707	0.069756	0.13226	0.058619	0.20606	0.048906
-0.05597	0.22737	0.049441	0.28633	0.003045	0.94767	0.063018	0.17398	0.153646
0.016472	0.72256	0.082302	0.0756	0.051591	0.26586	0.077585	0.094	0.254967
0.09506	0.04003	0.011317	0.8073	0.078102	0.09182	-0.03287	0.4786	-0.01909
0.007311	0.8748	-0.06294	0.17449	0.0224	0.62921	-0.1289	0.00527	-0.0774
-0.0132	0.77599	0.047383	0.30689	0.020268	0.66221	0.040747	0.37965	0.094183
0.068719	0.13813	0.006112	0.8952	-0.02918	0.52936	0.059275	0.20103	-0.02426
0.002945	0.94939	-0.0707	0.12711	-0.03949	0.39456	-0.08148	0.07859	-0.14041
0.170679	0.00021	0.121175	0.00876	0.147171	0.00143	0.06304	0.17383	0.152954

-0.01613	0.72807	-0.09778	0.03464	-0.03911	0.39908	-0.10965	0.01777	-0.1476
5.53E-05	0.99905	0.027105	0.55903	0.013774	0.76657	0.034932	0.4514	0.018404
-0.01842	0.69128	-0.11892	0.01011	-0.04162	0.36949	-0.16098	0.00048	-0.2132
0.142531	0.00202	0.033328	0.47246	0.0598	0.19706	0.009701	0.83438	0.090042
0.1051	0.02312	0.105405	0.02272	0.105996	0.02197	0.082055	0.07648	0.101377
0.159299	0.00055	0.1023	0.02706	0.127599	0.00576	0.054714	0.23796	0.043339
0.007206	0.87658	0.017544	0.70533	0.018391	0.6918	0.009635	0.8355	-0.00588
0.002898	0.95021	0.076219	0.09995	0.007959	0.86381	0.113093	0.01448	0.088527
0.047071	0.31008	0.067658	0.14433	0.064289	0.16544	0.065411	0.15816	0.04715
-0.01993	0.66749	-0.02164	0.64084	-0.01377	0.7666	-0.02453	0.59703	-0.07856
0.223691	1.04E-06	0.069335	0.13462	0.148799	0.00126	-0.0113	0.80753	0.044048
0.010341	0.82363	-0.07442	0.10823	-0.05656	0.22246	-0.05961	0.19847	-0.16245
-0.11399	0.01371	-0.01643	0.72321	-0.0738	0.11123	0.024152	0.60263	0.103407
0.004126	0.92914	-0.0269	0.56199	-0.05137	0.26795	0.006075	0.89583	-0.04652
0.004684	0.91958	0.017041	0.7134	0.003756	0.93548	0.022967	0.62056	0.080805
0.123829	0.00738	0.251344	3.68E-08	0.137497	0.00291	0.264735	6.26E-09	0.311866
0.154507	0.00081	0.331942	1.79E-13	0.242287	1.15E-07	0.303751	2.01E-11	0.260894
0.116002	0.01212	0.213925	3.09E-06	0.151825	0.001	0.217797	2.02E-06	0.134636
0.031647	0.49509	0.101104	0.02892	0.042649	0.35779	0.09671	0.03669	0.098897
0.018878	0.68408	0.02445	0.59818	0.030381	0.51251	0.012082	0.79455	-0.00661
0.162155	0.00043	0.092145	0.04657	0.12244	0.00808	0.058415	0.20765	0.040299
0.061616	0.18377	0.106552	0.02128	0.050742	0.27382	0.130124	0.00486	0.251269
0.171842	0.00019	0.091577	0.04795	0.051598	0.2658	0.115464	0.01253	0.137007
0.030762	0.50723	0.085814	0.06389	0.028493	0.53907	0.116117	0.01204	0.23867
0.003265	0.9439	0.064106	0.16665	0.016307	0.72523	0.109312	0.01813	0.079432
0.017232	0.71033	0.104537	0.02387	0.037152	0.42314	0.149243	0.00122	0.120866
0.00633	0.89148	0.159944	0.00052	0.046553	0.31544	0.218903	1.79E-06	0.183088
0.059646	0.19821	0.101566	0.02819	0.078584	0.08983	0.088414	0.05623	0.165607
0.118437	0.01042	0.151803	0.001	0.109612	0.01781	0.156996	0.00066	0.164193
0.072315	0.11862	0.205667	7.44E-06	0.112197	0.01528	0.24896	4.99E-08	0.266623
0.0615	0.1846	0.114935	0.01294	0.089171	0.05414	0.10838	0.01914	0.107659
0.074056	0.10998	0.082794	0.07386	0.046679	0.31414	0.109968	0.01744	0.094602
0.007371	0.87378	0.088359	0.05638	0.028668	0.53658	0.11927	0.00989	0.192961
0.058037	0.21061	0.103083	0.02591	0.054248	0.24199	0.142105	0.00208	0.127477
0.043714	0.34589	0.069498	0.1337	0.039477	0.39469	0.088162	0.05694	0.07101
0.061308	0.18597	0.170052	0.00022	0.074944	0.10577	0.225852	8.16E-07	0.171375
0.031634	0.49526	0.116687	0.01162	0.069604	0.13311	0.115927	0.01218	0.190295
0.046898	0.31187	0.110793	0.01661	0.06309	0.17348	0.1341	0.00369	0.154252
0.015061	0.74547	0.066996	0.1483	0.022842	0.62247	0.077003	0.0965	0.108359
-0.04421	0.34045	0.001552	0.97331	-0.01292	0.78067	0.001825	0.96863	0.033136
0.083158	0.0726	-0.12589	0.00645	-0.0137	0.76777	-0.16537	0.00033	-0.25747
0.07736	0.09496	0.04705	0.3103	0.034958	0.45106	0.043387	0.34951	-0.00254
0.030257	0.51423	0.088096	0.05712	0.055836	0.22846	0.101585	0.02816	0.094044
-0.00657	0.88746	-0.00822	0.85937	0.003777	0.93513	-0.01775	0.70205	-0.0549
-0.0699	0.13145	-0.01161	0.80241	-0.04798	0.30078	0.020624	0.65664	-0.00945

0.04542	0.32737	0.10511	0.02311	0.074774	0.10657	0.103125	0.02585	0.130946
0.083018	0.07308	0.016774	0.71769	0.056884	0.21983	-0.01453	0.7542	-0.04252
0.018302	0.69323	0.031691	0.49449	0.028259	0.54241	0.01645	0.72292	0.18847
-0.02231	0.63066	0.033115	0.47529	0.01401	0.76268	0.032104	0.48888	0.084746
-0.07631	0.09955	-0.06465	0.1631	-0.03915	0.39865	-0.08144	0.07874	-0.11694
-0.05796	0.2112	-0.03028	0.5139	-0.06005	0.19519	0.003618	0.93785	-0.03588
0.030536	0.51037	0.058485	0.2071	0.028821	0.53441	0.085821	0.06387	0.075566
0.187184	4.70E-05	0.206723	6.67E-06	0.212142	3.75E-06	0.125991	0.00641	0.117138
0.056944	0.21935	0.228546	5.98E-07	0.107117	0.0206	0.260109	1.17E-08	0.324839
0.114582	0.01322	0.059412	0.19998	0.080732	0.08137	0.058743	0.20511	0.016772
0.042536	0.35906	0.024025	0.60455	0.046428	0.31675	-0.0045	0.92275	0.05164
0.350118	6.50E-15	0.255675	2.10E-08	0.281402	6.00E-10	0.161483	0.00046	0.108424
0.097448	0.03527	0.02725	0.55693	0.030666	0.50856	0.014345	0.75719	0.044624
-0.1014	0.02844	-0.10714	0.02057	-0.10455	0.02385	-0.06683	0.14935	-0.05189
0.13304	0.00398	0.105227	0.02295	0.147448	0.0014	0.056201	0.22543	0.020971
0.096318	0.03746	0.003233	0.94444	0.038625	0.40498	-0.01957	0.6732	-0.03346
0.063962	0.16761	0.072184	0.11929	0.114184	0.01355	0.030773	0.50708	0.045085
-0.04578	0.32358	-0.03632	0.43363	-0.00756	0.87058	-0.0535	0.24859	-0.05343
-0.10085	0.02933	-0.12299	0.00779	-0.1125	0.015	-0.11374	0.01392	-0.16649
0.146081	0.00155	0.161322	0.00047	0.092498	0.04574	0.190813	3.32E-05	0.103031
-0.01628	0.72563	-0.01316	0.77671	0.002153	0.96299	0.000738	0.9873	-0.04189
0.254432	2.47E-08	0.133434	0.00387	0.112928	0.01462	0.131731	0.00435	0.087356
0.292976	1.07E-10	0.158289	0.0006	0.236091	2.45E-07	0.047912	0.30151	0.061592
0.053414	0.24931	0.096426	0.03725	0.09301	0.04454	0.07486	0.10616	0.174561
0.026211	0.57208	-0.03566	0.44199	-0.02236	0.62987	-0.0236	0.61102	-0.09286
0.066458	0.1516	0.055089	0.23476	0.08337	0.07187	0.009921	0.83069	-0.00751
-0.02896	0.53246	-0.05192	0.26283	-0.04863	0.29431	-0.03329	0.47293	0.059108
-0.04964	0.28437	-0.10657	0.02125	-0.11217	0.0153	-0.0668	0.14951	-0.14244
0.285199	3.44E-10	0.148632	0.00128	0.191711	3.04E-05	0.074942	0.10578	0.036749
-0.01409	0.76133	0.017509	0.70588	-0.00214	0.96321	-0.00011	0.99815	0.064892
-0.09241	0.04594	-0.13525	0.00341	-0.12286	0.00786	-0.10832	0.01921	-0.1986
-0.01061	0.81904	-0.00637	0.89078	0.000298	0.99488	-0.00616	0.89436	0.02287
0.011003	0.81254	0.008966	0.84676	0.007647	0.86909	0.000189	0.99675	0.010869
0.166898	0.00029	0.045426	0.32731	0.045816	0.32317	0.053015	0.25287	0.030222
0.04851	0.29551	-0.09744	0.03528	-0.03002	0.5175	-0.12134	0.00867	-0.15058
0.022624	0.62579	0.026565	0.56689	0.034798	0.45314	0.022462	0.62827	0.095203
0.081713	0.07772	0.058288	0.20864	0.089423	0.05347	0.046975	0.31107	-0.03298
0.117425	0.0111	0.133161	0.00394	0.188388	4.19E-05	0.035444	0.44478	0.091152
0.058315	0.20843	0.042491	0.35957	0.056833	0.22025	0.011503	0.8042	0.018715
0.267974	4.02E-09	0.210986	4.24E-06	0.215168	2.70E-06	0.132146	0.00423	0.14528
0.158804	0.00057	0.133703	0.0038	0.113854	0.01382	0.102817	0.0263	0.199678
0.071786	0.12134	0.155996	0.00072	0.099249	0.03201	0.178243	0.00011	0.209316
-0.04215	0.36342	-0.14356	0.00187	-0.06774	0.14382	-0.17976	9.38E-05	-0.2182
0.004348	0.92534	0.040732	0.37981	0.022376	0.62958	0.045328	0.32836	0.090514
0.009695	0.83449	0.061102	0.18747	0.049211	0.28858	0.045414	0.32744	0.101641

0.061912	0.18167	0.17761	0.00011	0.098347	0.03361	0.225781	8.23E-07	0.100163
0.080268	0.08314	0.052593	0.25668	0.043105	0.35266	0.05096	0.27176	0.149103
0.023318	0.61523	-0.1057	0.02235	-0.02343	0.61352	-0.13705	0.003	-0.25503
-0.01415	0.76044	-0.11543	0.01256	-0.00725	0.87583	-0.16329	0.0004	-0.17139
0.03476	0.45362	0.012469	0.78812	-0.00012	0.99785	0.007917	0.86452	0.022406
0.069011	0.13646	0.043125	0.35243	0.027204	0.5576	0.048595	0.29466	0.079001
0.140118	0.00241	0.095598	0.03891	0.125749	0.00651	0.033678	0.46782	0.041884
0.094185	0.04191	0.126515	0.00619	0.109796	0.01762	0.093801	0.04275	0.065769
-0.02954	0.5242	0.07467	0.10706	-0.00224	0.96156	0.121468	0.0086	0.024735
0.023055	0.61922	-0.02816	0.5439	0.02517	0.58744	-0.05577	0.22897	-0.12104
0.03142	0.49818	-0.01149	0.80443	-0.00361	0.93794	0.007416	0.87302	-0.07156
0.008234	0.85914	-0.03953	0.39402	-0.00855	0.85382	-0.0382	0.41013	-0.03024
0.016462	0.72273	-0.04389	0.34396	0.035758	0.44075	-0.08908	0.05439	-0.20714
-0.16091	0.00048	-0.09991	0.03087	-0.08236	0.0754	-0.11829	0.01052	-0.10083
0.078014	0.09219	0.01736	0.70827	0.050058	0.28035	0.009908	0.83091	-0.03772
0.063696	0.16938	0.075876	0.10149	0.070931	0.12585	0.047749	0.30316	0.146258
0.117592	0.01098	0.088688	0.05547	0.082828	0.07374	0.069737	0.13237	0.230819
-0.03945	0.39499	-0.04212	0.36383	-0.01462	0.75265	-0.04572	0.32417	0.004351
0.006314	0.89175	-0.17763	0.00011	-0.06722	0.14695	-0.21122	4.14E-06	-0.28255
0.032953	0.47745	0.024098	0.60345	0.025396	0.58408	0.018395	0.69175	0.023902
0.010104	0.82761	-0.08136	0.07903	0.002624	0.9549	-0.13516	0.00343	-0.04095
0.09922	0.03206	0.025047	0.58926	0.073523	0.11257	-0.02294	0.62103	-0.00816
0.063137	0.17317	0.044418	0.33817	0.03469	0.45453	0.03372	0.46726	0.046706
-0.13398	0.00372	-0.07842	0.09049	-0.08208	0.07639	-0.06383	0.16852	-0.13356
0.018731	0.68642	-0.03593	0.43861	-0.02223	0.63185	-0.05101	0.27128	0.040932
-0.04472	0.33488	-0.03095	0.50458	-0.01335	0.77362	-0.04975	0.28336	-0.04498
0.083702	0.07074	0.019648	0.67194	0.053906	0.24497	-0.01592	0.73145	0.055842
-0.06135	0.1857	-0.02003	0.66589	-0.03116	0.50175	-0.02552	0.58221	-0.0356
0.055028	0.23528	0.045442	0.32715	0.043214	0.35144	0.03395	0.46422	0.081312
0.13307	0.00397	0.096699	0.03671	0.151174	0.00105	0.029506	0.52474	0.01048
0.108104	0.01945	0.084528	0.068	0.061475	0.18478	0.092873	0.04486	0.063497
0.104873	0.02342	0.148874	0.00125	0.131603	0.00439	0.106665	0.02114	0.237723
0.205964	7.22E-06	0.171923	0.00019	0.157564	0.00063	0.123777	0.00741	0.134906
-0.04401	0.34263	-0.09474	0.04072	-0.05962	0.19838	-0.09628	0.03754	-0.11946
0.155618	0.00074	0.27793	9.91E-10	0.222532	1.19E-06	0.232349	3.83E-07	0.324342
0.012765	0.78322	0.04041	0.38361	0.02107	0.64972	0.050503	0.27609	0.158296
0.007546	0.87081	0.101933	0.02762	0.042738	0.35677	0.104972	0.02329	0.091088
0.095641	0.03883	0.061188	0.18684	0.050304	0.27799	0.05258	0.25679	0.17576
0.00778	0.86683	0.024784	0.59318	0.045351	0.32812	-0.01839	0.69177	-0.01114
-0.06006	0.19509	-0.0647	0.16274	-0.03766	0.41686	-0.06698	0.14839	-0.14754
0.046557	0.3154	-0.01814	0.69587	-0.00863	0.8524	-0.01335	0.77348	-0.07273
0.038344	0.40841	0.073394	0.11321	0.072604	0.11715	0.0533	0.25033	0.029334
0.229087	5.61E-07	0.254966	2.30E-08	0.245498	7.72E-08	0.206118	7.10E-06	0.128004
-0.06711	0.14761	-0.04681	0.31278	-0.04108	0.37579	-0.05392	0.24485	-0.04379
0.093893	0.04255	0.022851	0.62233	0.046853	0.31233	0.014894	0.74819	0.030512



0.145083	0.00167	0.004849	0.91676	0.106052	0.0219	-0.07407	0.10992	-0.03052
0.098266	0.03375	0.112529	0.01498	0.12061	0.00908	0.084241	0.06894	0.099435
0.163661	0.00038	0.099075	0.03231	0.187074	4.75E-05	-0.00155	0.97337	0.064811
-0.03902	0.40014	0.002306	0.96035	0.012322	0.79057	-0.02052	0.65833	-0.04774
-0.08034	0.08286	-0.08353	0.07132	-0.07076	0.12677	-0.08346	0.07158	-0.1196
0.194628	2.28E-05	0.226335	7.72E-07	0.206584	6.76E-06	0.158335	0.00059	0.198087
-0.08376	0.07054	-0.00192	0.96703	-0.02604	0.57464	0.008158	0.86042	0.051085
0.035765	0.44067	-0.05437	0.24094	0.002451	0.95788	-0.07189	0.12079	-0.1182
0.286835	2.70E-10	0.212423	3.64E-06	0.212678	3.54E-06	0.179878	9.28E-05	0.227025
0.038639	0.40481	0.05949	0.1994	0.020972	0.65124	0.075511	0.10315	0.096932
0.078634	0.08963	0.031545	0.49648	0.063185	0.17284	0.016142	0.72789	0.028481
0.007585	0.87014	0.098228	0.03382	0.043328	0.35017	0.116582	0.0117	0.280063
-0.03661	0.42989	-0.10065	0.02965	-0.05971	0.19771	-0.089	0.0546	-0.21732
0.14203	0.00209	0.103625	0.02513	0.115587	0.01244	0.063973	0.16754	0.131228
-0.0679	0.14288	-0.08422	0.06899	-0.06572	0.15622	-0.0845	0.06808	-0.07955
-0.04771	0.30357	-0.06252	0.17743	-0.03825	0.40959	-0.06015	0.19443	-0.11618
-0.02385	0.60716	-0.04623	0.31886	-0.01102	0.81232	-0.07593	0.10126	-0.09277
0.022857	0.62223	-0.00316	0.9457	0.012553	0.78672	-0.01568	0.73536	0.036639
0.100259	0.03029	0.084563	0.06788	0.062341	0.17866	0.068241	0.1409	0.026002
0.053652	0.24721	0.028547	0.53831	0.074596	0.10741	-0.02678	0.56369	0.064304
0.003478	0.94025	-0.03141	0.49837	-0.01099	0.81278	-0.03716	0.42301	0.030502
0.014022	0.76249	-0.02034	0.66104	9.60E-06	0.99983	-0.01436	0.7569	0.023299
0.033515	0.46997	0.036391	0.43271	0.060176	0.19425	-0.00839	0.85655	0.058393
-0.01195	0.79681	-0.07491	0.10593	-0.02427	0.60083	-0.10883	0.01865	-0.07923
-0.09609	0.03791	-0.19505	2.19E-05	-0.11934	0.00984	-0.19174	3.03E-05	-0.28909
0.030379	0.51254	-0.0367	0.4288	-0.01263	0.78544	-0.04066	0.38064	-0.08423
0.035973	0.43801	-0.01245	0.78844	0.032765	0.47997	-0.04008	0.38749	-0.02121
0.104428	0.02402	0.235113	2.76E-07	0.15708	0.00066	0.222475	1.20E-06	0.36837
-0.07568	0.10237	-0.00629	0.89211	-0.02865	0.53681	-0.01276	0.78331	0.289634
0.115091	0.01282	0.097663	0.03487	0.111794	0.01565	0.053285	0.25046	0.072882
-0.15074	0.00109	-0.15512	0.00077	-0.13679	0.00306	-0.14307	0.00194	-0.26552
0.132683	0.00407	0.104706	0.02364	0.123689	0.00745	0.069344	0.13457	0.042278
0.102384	0.02694	0.000991	0.98297	0.043089	0.35284	-0.03864	0.40476	0.036373
-0.03858	0.40557	-0.07337	0.11331	-0.06626	0.15285	-0.03778	0.41537	-0.19938
-0.0034	0.94162	-0.06335	0.17174	-0.02877	0.53514	-0.08531	0.06547	-0.12414
0.081916	0.07699	0.041308	0.37311	0.026091	0.57383	0.040256	0.38541	0.052664
0.084503	0.06808	0.037043	0.4245	0.02281	0.62294	0.023108	0.61842	0.090318
0.056591	0.22222	-0.00893	0.84741	0.013706	0.76768	-0.01544	0.7393	-0.01995
-0.02791	0.54738	0.021967	0.63585	0.032523	0.48322	-0.01371	0.76756	0.039244
0.02188	0.63719	-0.00425	0.92697	0.016068	0.7291	-0.00547	0.90608	-0.01288
0.341471	3.23E-14	0.350232	6.36E-15	0.356599	1.89E-15	0.242794	1.08E-07	0.342538
0.100415	0.03003	0.045811	0.32323	0.068583	0.13891	0.01699	0.71422	-0.02963
0.016814	0.71704	0.024621	0.59562	0.025178	0.58732	0.022376	0.62958	0.085888
0.100178	0.03043	0.061115	0.18737	0.065959	0.1547	0.046054	0.32067	0.114394
0.000973	0.98327	-0.02715	0.5584	-0.01393	0.76407	-0.0204	0.66021	-0.04095

0.010592	0.81942	0.012194	0.79268	0.014661	0.75201	-0.01429	0.75801	0.061109
0.076789	0.09743	0.027326	0.55583	0.039639	0.39274	0.018862	0.68433	3.59E-05
0.078952	0.08834	0.03647	0.43171	0.04437	0.3387	0.025668	0.58007	0.047635
-0.01171	0.80074	0.037754	0.41565	0.008821	0.84922	0.036143	0.43585	0.095075
-0.00811	0.86126	-0.03265	0.48157	-0.04449	0.3374	-0.00794	0.86415	-0.07862
0.015164	0.74379	0.02358	0.61126	0.028898	0.53332	0.012788	0.78284	0.058391
0.077271	0.09534	0.048226	0.29835	0.085139	0.06602	0.01474	0.75071	-0.03746
-0.02192	0.63662	0.04582	0.32313	0.016004	0.73014	0.069594	0.13317	0.157429
0.092127	0.04662	-0.03797	0.41303	0.036896	0.42634	-0.07775	0.0933	-0.07177
0.313801	3.94E-12	0.310721	6.54E-12	0.282158	5.38E-10	0.252835	3.03E-08	0.291572
0.198054	1.62E-05	0.198346	1.58E-05	0.246016	7.24E-08	0.076518	0.09863	0.119182
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0.127163	0.00593	0.111812	0.01563	0.148588	0.00128	0.035458	0.44461	0.219271
0.117622	0.01096	0.082864	0.07362	0.075341	0.10393	0.084588	0.0678	0.016807
0.252736	3.07E-08	0.16549	0.00033	0.179712	9.42E-05	0.119436	0.00978	0.076503
0.085635	0.06445	0.148184	0.00132	0.064074	0.16686	0.172669	0.00018	0.095887
-0.0458	0.32332	-0.03229	0.4863	-0.02914	0.52995	-0.02446	0.59797	-0.08782
0.060617	0.191	-0.05222	0.2601	0.006309	0.89185	-0.07951	0.08612	-0.12571
0.047716	0.30349	-0.08071	0.08145	-0.03855	0.40593	-0.09876	0.03287	-0.17013
-0.09002	0.05189	-0.08319	0.07249	-0.10296	0.02608	-0.04349	0.34843	0.011598
0.100807	0.02939	0.101137	0.02886	0.077154	0.09585	0.09255	0.04561	0.157973
-0.02769	0.55051	0.022194	0.63237	-0.0116	0.80265	0.054342	0.24118	0.02884
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0.031594	0.49581	0.051718	0.26468	0.063541	0.17043	0.023684	0.60969	0.04089
0.025742	0.57898	0.010224	0.82559	0.004294	0.92626	0.006515	0.88833	0.04577
0.081528	0.0784	0.175047	0.00014	0.077946	0.09248	0.221078	1.40E-06	0.141363
0.043882	0.34405	0.141662	0.00215	0.068241	0.14089	0.182531	7.27E-05	0.113794
0.03371	0.46739	0.031244	0.5006	0.006352	0.89111	0.060209	0.19401	0.041889
0.027598	0.55191	0.053423	0.24923	0.046645	0.31449	0.057657	0.21362	0.1233
0.058195	0.20937	0.040407	0.38364	0.073108	0.11462	0.001067	0.98165	0.080669
0.206086	7.13E-06	0.153117	0.0009	0.270395	2.87E-09	-0.02439	0.59911	-0.01204
0.0257	0.57958	0.016475	0.72251	0.016597	0.72055	0.022125	0.63342	0.011388
0.021317	0.64589	0.033404	0.47144	0.034411	0.45817	0.012442	0.78857	0.061516
0.099384	0.03177	0.099836	0.031	0.095436	0.03925	0.07908	0.08782	0.250411
0.188243	4.25E-05	0.23009	4.99E-07	0.162286	0.00043	0.21377	3.14E-06	0.272888
-0.00316	0.94574	0.035246	0.44733	0.019325	0.67702	0.03259	0.48232	0.048426
0.023846	0.60724	0.055635	0.23014	0.031773	0.49337	0.0657	0.15633	0.132362
0.012229	0.79212	-0.0159	0.73179	-0.02293	0.62118	-0.02055	0.65777	0.002505
0.004694	0.91941	0.121179	0.00876	0.018574	0.6889	0.203757	9.08E-06	0.03455
0.116767	0.01156	0.068389	0.14003	0.059912	0.19622	0.090448	0.05078	0.071269
-0.00826	0.85867	0.186181	5.16E-05	0.041088	0.37567	0.265271	5.82E-09	0.111643
-0.03796	0.41314	-0.02421	0.60172	-0.02954	0.52432	-0.01785	0.70041	-0.04396
-0.06493	0.16127	-0.04413	0.34127	-0.06086	0.1892	-0.029	0.5319	-0.09075
0.035723	0.4412	0.06632	0.15245	0.047797	0.30267	0.076137	0.10032	0.084679
0.074285	0.10889	0.046353	0.31753	0.076692	0.09786	0.000747	0.98715	-0.03987

0.077038	0.09635	0.067654	0.14435	0.114284	0.01347	0.01261	0.78579	-0.01492
0.03786	0.41436	-0.04313	0.35233	-0.01716	0.71153	-0.0511	0.27044	-0.10633
0.067362	0.1461	-0.09514	0.03986	0.015778	0.7338	-0.15867	0.00058	-0.16051
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0.090504	0.05063	0.056649	0.22174	0.101207	0.02875	0.016402	0.72369	-0.01415
-0.06597	0.15466	-0.14212	0.00208	-0.06001	0.19545	-0.17766	0.00011	-0.15788
0.202283	1.06E-05	0.216677	2.29E-06	0.199323	1.43E-05	0.1846	5.99E-05	0.137728
0.040716	0.38001	0.006048	0.89629	0.014743	0.75067	0.007805	0.86641	-0.00269
0.060387	0.19269	-0.02497	0.59047	0.006075	0.89584	-0.03407	0.46261	-0.08858
0.050454	0.27655	0.158056	0.00061	0.066217	0.15309	0.191206	3.19E-05	0.213744
0.120096	0.00938	-0.07895	0.08834	-0.02528	0.58583	-0.09901	0.03243	-0.13862
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0.135366	0.00338	0.106489	0.02136	0.109296	0.01814	0.082236	0.07584	0.149813
0.122601	0.00799	0.149843	0.00116	0.102537	0.02671	0.185536	5.49E-05	0.101264
0.022283	0.631	0.033707	0.46743	-0.0023	0.96046	0.047457	0.30613	0.007882
0.000173	0.99702	-0.1729	0.00017	-0.06564	0.15673	-0.19089	3.29E-05	-0.30818
-0.01016	0.82673	0.023996	0.60499	0.020623	0.65667	0.017929	0.69917	0.038327
-0.05995	0.19597	-0.0243	0.60042	-0.01392	0.76412	-0.04703	0.31053	-0.04951
0.120301	0.00926	0.028304	0.54177	0.069624	0.133	-0.01101	0.81249	0.141754
-0.03256	0.48277	-0.07808	0.0919	-0.04241	0.36052	-0.07112	0.12483	-0.10173
0.109993	0.01742	0.220289	1.53E-06	0.121163	0.00877	0.234889	2.83E-07	0.201629
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-0.00735	0.87414	0.038046	0.41206	-0.00684	0.88279	0.052027	0.26184	0.331826
0.094479	0.04127	0.093115	0.0443	0.112293	0.01519	0.090983	0.04942	0.026702
0.020907	0.65225	0.129444	0.00508	0.045052	0.33131	0.167984	0.00027	0.123991
0.053695	0.24683	0.030235	0.51454	0.042948	0.35442	0.027616	0.55165	0.016973
0.031408	0.49836	-0.00231	0.96031	0.021791	0.63856	0.011589	0.80275	-0.0317
0.125646	0.00655	0.043653	0.34656	0.052052	0.26161	0.024061	0.604	0.005808
0.094239	0.04179	0.064893	0.16149	0.09024	0.05131	0.026065	0.57421	0.036472
0.04681	0.31277	0.056106	0.22622	0.068376	0.14011	0.033883	0.4651	0.097317
0.368853	1.69E-16	0.27258	2.12E-09	0.347804	1.00E-14	0.137275	0.00295	0.075247
-0.0084	0.85628	0.027077	0.55943	0.007004	0.88001	0.032171	0.48797	0.007463
0.160468	0.0005	0.101536	0.02823	0.102772	0.02636	0.070299	0.12927	0.23262
0.005601	0.90392	4.88E-05	0.99916	0.000688	0.98817	-9.21E-05	0.99842	-0.00803
0.040865	0.37826	0.066844	0.14923	0.0558	0.22876	0.063247	0.17241	0.214182
0.106751	0.02104	0.118297	0.01051	0.05892	0.20374	0.128168	0.00554	0.085948
0.14448	0.00175	0.128174	0.00554	0.134187	0.00367	0.082341	0.07546	0.136087
-0.11405	0.01366	-0.08485	0.06695	-0.07744	0.09461	-0.05863	0.20599	-0.02553
0.030919	0.50506	-0.01051	0.82074	0.036469	0.43172	-0.04866	0.29402	0.080411
0.004971	0.91468	-0.03187	0.49208	-0.01037	0.82316	-0.05685	0.22012	-0.01908
0.102194	0.02722	-0.05265	0.25619	0.029041	0.53129	-0.08681	0.06087	-0.163
0.039839	0.39037	-0.08663	0.0614	-0.01462	0.7526	-0.10262	0.02658	-0.22724
0.145092	0.00167	0.090272	0.05123	0.130442	0.00475	0.033706	0.46744	0.093746
-0.06929	0.13485	-0.04633	0.31778	-0.04721	0.30867	-0.03351	0.47006	0.044379
-0.00467	0.9198	0.053109	0.25203	0.024011	0.60476	0.05622	0.22527	0.230813

0.022305	0.63068	0.0459	0.32228	0.001523	0.97381	0.059773	0.19726	0.020282
-0.0026	0.95535	0.043232	0.35124	0.028395	0.54048	0.05646	0.2233	0.03994
0.039371	0.39595	0.01729	0.7094	0.064993	0.16084	-0.03526	0.44717	-0.06322
0.238998	1.72E-07	0.249766	4.50E-08	0.34728	1.11E-14	0.051188	0.26962	0.201492
-0.0253	0.58553	-0.11247	0.01503	-0.10898	0.01849	-0.09754	0.0351	-0.10041
0.125768	0.0065	0.098336	0.03363	0.101543	0.02822	0.075467	0.10335	0.086212
-0.06245	0.17789	-0.06122	0.18663	-0.04585	0.32281	-0.04409	0.34172	-0.06948
0.05105	0.27091	0.099605	0.03139	0.075802	0.10183	0.100542	0.02982	0.088041
0.124618	0.00701	0.168645	0.00025	0.125684	0.00654	0.156339	0.0007	0.178797
0.040436	0.38329	0.039743	0.3915	0.045241	0.32929	0.020522	0.65824	0.014924
0.164639	0.00035	0.07073	0.12693	0.071545	0.12261	0.065835	0.15548	0.039554
-0.00889	0.84801	-0.0079	0.86474	0.000291	0.995	-0.02326	0.61607	0.08166
0.028469	0.53942	0.02315	0.61778	0.027899	0.54757	0.046418	0.31685	-0.00458
0.121222	0.00873	0.112129	0.01534	0.142178	0.00207	0.044202	0.34053	0.212804
-0.00593	0.89825	-0.00574	0.90152	0.005555	0.90471	-0.02274	0.62396	-0.01115
0.269275	3.36E-09	0.173677	0.00016	0.24776	5.81E-08	0.045633	0.32511	0.041721
-0.01289	0.78113	-0.14422	0.00178	-0.01992	0.66769	-0.1893	3.84E-05	-0.23967
0.015794	0.73354	0.037073	0.42413	0.040276	0.38519	0.069363	0.13446	0.015945
0.037859	0.41437	0.013474	0.7715	0.01809	0.6966	0.011727	0.80046	0.015975
0.058775	0.20486	0.095075	0.04	0.083565	0.0712	0.076844	0.0972	0.046222
0.100079	0.03059	0.035445	0.44478	0.041161	0.37482	0.030949	0.50466	0.013965
-0.01084	0.81519	0.077732	0.09338	0.025564	0.58159	0.077249	0.09544	0.056754
0.006485	0.88884	-0.02606	0.57435	-0.01444	0.75567	-0.03574	0.44102	-0.06857
0.063484	0.17081	0.04947	0.28604	0.069942	0.13123	0.019407	0.67573	0.018693
0.115881	0.01221	0.083481	0.07149	0.046806	0.31282	0.100657	0.02964	0.034357
-0.02446	0.598	-0.0247	0.5945	-0.02179	0.63861	-0.01402	0.76253	-0.06629
0.043568	0.34751	0.014102	0.76117	0.028397	0.54044	0.004422	0.92408	-0.01833
0.139412	0.00253	0.10366	0.02508	0.09577	0.03856	0.103383	0.02547	0.045496
0.089962	0.05204	-0.00656	0.88757	0.004452	0.92357	-0.01358	0.76982	-0.03411
0.192112	2.92E-05	0.083382	0.07183	0.164378	0.00036	-0.00594	0.89805	-0.06213
0.18099	8.38E-05	0.122927	0.00783	0.132204	0.00421	0.084784	0.06716	0.199106
0.086628	0.06141	0.04178	0.36767	0.056251	0.22501	0.037189	0.42268	0.058819
0.174994	0.00014	0.164953	0.00034	0.174398	0.00015	0.107664	0.01996	0.350712
-0.07713	0.09594	-0.05979	0.19716	-0.05773	0.213	-0.06506	0.16044	-0.06444
0.300003	3.62E-11	0.209641	4.90E-06	0.239701	1.58E-07	0.1567	0.00068	0.061292
0.265416	5.71E-09	0.101345	0.02853	0.149406	0.0012	0.030597	0.50952	0.005727
0.080039	0.08403	0.029935	0.51872	0.065053	0.16046	0.01086	0.81494	0.011345
-0.12012	0.00937	-0.11687	0.01148	-0.11888	0.01013	-0.1025	0.02677	-0.21535
0.046027	0.32095	0.086105	0.063	0.059036	0.20285	0.100362	0.03012	0.214932
0.005319	0.90873	-0.01059	0.81947	-0.00912	0.8441	-0.00579	0.90062	-0.06735
0.303594	2.06E-11	0.187892	4.39E-05	0.228414	6.07E-07	0.116317	0.01189	0.113268
-0.05144	0.26729	-0.12787	0.00565	-0.08239	0.0753	-0.11904	0.01003	-0.18961
0.16359	0.00039	0.193133	2.64E-05	0.166502	0.0003	0.160486	0.0005	0.174318
0.008848	0.84876	-0.11045	0.01696	-0.05825	0.20893	-0.12177	0.00843	-0.23705
0.079291	0.08697	0.044931	0.33262	0.088994	0.05463	0.004402	0.92441	0.008474

0.069817	0.13193	-0.00283	0.95138	0.063174	0.17291	-0.04776	0.30303	-0.11198
0.062827	0.17529	0.186062	5.22E-05	0.12407	0.00727	0.176831	0.00012	0.351552
0.059358	0.20039	0.116549	0.01172	0.093526	0.04337	0.092081	0.04672	0.128104
0.087092	0.06003	0.062646	0.17654	0.118624	0.0103	-0.04027	0.38521	-0.05377
0.032041	0.48974	0.061332	0.18581	0.064229	0.16584	0.050507	0.27605	0.029747
0.00121	0.97919	-0.00635	0.89117	-0.00292	0.9499	-0.00737	0.87382	-0.00568
0.091645	0.04778	0.028666	0.53661	0.064757	0.16238	-0.00016	0.99725	-0.03882
0.092545	0.04563	0.021039	0.6502	0.051221	0.26931	-0.00734	0.87433	0.001026
-0.06394	0.16776	-0.03919	0.39811	-0.0469	0.31186	-0.02143	0.64412	-0.02713
-0.12774	0.0057	-0.09109	0.04916	-0.10503	0.02321	-0.07546	0.10336	-0.08648
0.061818	0.18233	0.051416	0.26749	0.010231	0.82548	0.055117	0.23452	0.020054
-0.05962	0.19844	-0.01336	0.77334	-0.03553	0.44365	-0.00159	0.97262	0.037853
0.023278	0.61583	0.168177	0.00026	0.051917	0.26285	0.208003	5.83E-06	0.284679
-0.00639	0.89049	0.002202	0.96214	-0.00399	0.93145	0.023053	0.61926	-0.03475
0.074116	0.10969	0.160011	0.00052	0.070734	0.12691	0.198365	1.57E-05	0.198667
-0.02091	0.65225	0.019787	0.66974	0.030921	0.50504	0.007684	0.86846	0.020316
0.033468	0.4706	0.012219	0.79228	0.024284	0.60066	0.009983	0.82964	-0.00398
-0.07859	0.08981	-0.15498	0.00078	-0.10469	0.02367	-0.17411	0.00016	-0.12084
0.055943	0.22757	-0.02709	0.55925	0.033447	0.47087	-0.05377	0.24616	-0.0762
0.047582	0.30485	0.07206	0.11993	0.062012	0.18097	0.053219	0.25105	0.085846
-0.01223	0.79208	-0.10047	0.02993	-0.02758	0.55218	-0.11935	0.00984	-0.19553
0.076382	0.09923	0.117792	0.01085	0.105794	0.02222	0.084191	0.0691	0.214974
0.051383	0.2678	0.057897	0.21172	0.046152	0.31964	0.064534	0.16383	0.038926
-0.00994	0.83031	-0.02086	0.65299	0.000495	0.99149	-0.03788	0.4141	-0.02763
0.02627	0.57121	0.086978	0.06036	0.077173	0.09576	0.050702	0.2742	0.171359
0.013875	0.76491	0.055864	0.22823	0.03067	0.5085	0.057507	0.21481	0.055146
0.097003	0.03612	0.047518	0.3055	0.049807	0.28277	0.0219	0.63689	0.005804
0.111802	0.01564	-0.00452	0.92238	0.008204	0.85964	0.001066	0.98168	0.001225
-0.01943	0.67541	0.007455	0.87234	-0.0034	0.94163	0.015492	0.73844	0.006465
0.281675	5.77E-10	0.181016	8.36E-05	0.240694	1.40E-07	0.052753	0.25523	0.070816
-0.08957	0.05306	-0.08303	0.07303	-0.04633	0.31774	-0.09051	0.0506	-0.07606
0.090552	0.05051	0.086145	0.06287	0.055672	0.22983	0.095515	0.03909	0.106282
0.078961	0.0883	0.067503	0.14525	0.082156	0.07612	0.033669	0.46794	0.006982
-0.05573	0.22936	-0.00886	0.84862	-0.02675	0.56412	0.005436	0.90674	-0.00981
0.043055	0.35321	0.02371	0.60929	0.0248	0.59294	0.012625	0.78554	0.055934
0.247872	5.73E-08	0.322578	9.06E-13	0.230434	4.80E-07	0.306216	1.35E-11	0.270163
0.000164	0.99718	0.032277	0.48654	-0.01585	0.73264	0.081331	0.07913	-0.00329
-0.05284	0.25445	-0.09238	0.04601	-0.03978	0.39109	-0.11191	0.01554	-0.08505
-0.01027	0.82482	-0.1321	0.00424	-0.07598	0.101	-0.12536	0.00668	-0.24542
0.318182	1.90E-12	0.151869	0.00099	0.202478	1.04E-05	0.079856	0.08474	0.049927
0.057573	0.21429	-0.07745	0.09458	-0.03189	0.49176	-0.06341	0.17134	-0.18065
-0.11276	0.01477	-0.05672	0.22116	-0.06201	0.18096	-0.04382	0.3447	-0.06603
0.044253	0.33997	-0.0022	0.96221	0.04853	0.29531	-0.04747	0.30603	-0.00645
-0.05502	0.23532	-0.05783	0.21221	-0.07203	0.12007	-0.02049	0.65867	-0.1884
-0.06914	0.13574	-0.02655	0.56708	-0.03044	0.51173	-0.02066	0.65614	0.014535

0.038153	0.41074	0.02797	0.54655	0.032033	0.48984	0.025247	0.58629	0.005687
0.162564	0.00042	0.118266	0.01053	0.172325	0.00018	0.037887	0.41402	0.058319
-0.08526	0.06562	-0.09019	0.05145	-0.10408	0.0245	-0.07128	0.12401	-0.17343
-0.01201	0.79581	-0.07643	0.09901	-0.0394	0.39562	-0.0903	0.05117	-0.0265
0.011873	0.79803	-0.07999	0.08423	-0.0231	0.61856	-0.11	0.01741	-0.10446
-0.12271	0.00794	-0.17723	0.00012	-0.11222	0.01525	-0.18819	4.27E-05	-0.28944
-0.05278	0.25499	0.013103	0.77762	-0.04501	0.33175	0.054438	0.24034	0.039814
0.08192	0.07697	-0.06097	0.18842	-0.00299	0.94866	-0.07356	0.11239	-0.17496
0.038111	0.41126	0.096947	0.03623	0.052405	0.25838	0.113372	0.01423	0.130337
-0.01143	0.80538	-0.05548	0.23141	-0.0199	0.66801	-0.06244	0.17799	-0.02027
-0.03121	0.50108	-0.05731	0.21643	-0.038	0.41263	-0.04795	0.30114	-0.06967
0.115882	0.01221	0.031154	0.50183	0.036442	0.43206	0.021024	0.65043	0.026714
-0.00764	0.86916	0.022093	0.63392	-0.0026	0.9553	0.053873	0.24527	0.002165
-0.0736	0.11218	0.003197	0.94507	-0.06709	0.14771	0.068858	0.13733	0.175431
-0.02656	0.56695	0.028498	0.53901	0.037264	0.42174	0.009792	0.83286	-0.12059
0.139114	0.00259	0.210575	4.43E-06	0.239896	1.55E-07	0.093057	0.04444	0.137163
0.002645	0.95455	-0.00457	0.92146	0.037541	0.4183	-0.04031	0.38474	0.044359
0.068358	0.14021	-0.02587	0.57708	-0.01381	0.7659	-0.01241	0.78908	-0.01985
0.015683	0.73534	-0.01487	0.7486	0.008878	0.84825	-0.03278	0.47973	-0.08604
0.183466	6.66E-05	0.243564	9.83E-08	0.228822	5.79E-07	0.180794	8.53E-05	0.282769
0.001077	0.98149	-0.01358	0.76974	-0.02539	0.58419	-0.01857	0.68897	-0.01228
0.083732	0.07064	-0.10735	0.02032	-0.04399	0.34285	-0.13122	0.00451	-0.12048
0.060677	0.19056	0.073729	0.11157	0.052736	0.25538	0.069326	0.13467	0.123939
0.076218	0.09996	0.000431	0.99258	0.021741	0.63933	-0.01063	0.81878	0.069364
0.121571	0.00854	0.032243	0.487	0.041922	0.36605	0.033292	0.47293	0.028958
0.051848	0.26348	-0.05245	0.25798	0.006219	0.89338	-0.07917	0.08745	-0.05213
0.280536	6.81E-10	0.149693	0.00118	0.219497	1.67E-06	0.067787	0.14356	0.098536
0.03272	0.48058	-0.04559	0.32552	-0.03473	0.45395	-0.02843	0.53995	-0.06366
0.086859	0.06072	0.07893	0.08842	0.058289	0.20863	0.066921	0.14876	0.118328
0.046367	0.31738	-0.0232	0.61697	0.001438	0.97527	-0.02489	0.59159	-0.04603
0.107049	0.02068	0.196767	1.85E-05	0.113709	0.01395	0.204954	8.02E-06	0.329605
0.163744	0.00038	0.090123	0.05162	0.136239	0.00318	0.040364	0.38414	0.018761
0.158771	0.00057	0.108193	0.01935	0.151848	0.001	0.057741	0.21295	0.017986
-0.00178	0.96932	-0.0071	0.87838	-0.01349	0.77122	0.010034	0.82879	0.013808
-0.01515	0.74403	-0.12582	0.00648	-0.06053	0.19165	-0.15681	0.00067	-0.20984
0.067862	0.14312	0.007364	0.87389	0.010009	0.8292	0.012038	0.79528	0.05138
0.183704	6.52E-05	0.092114	0.04665	0.092883	0.04484	0.087699	0.05826	0.040793
0.021401	0.64458	0.018832	0.6848	-0.00088	0.98485	0.029612	0.52325	0.014691
-0.02948	0.52509	0.127486	0.0058	0.010427	0.82219	0.203618	9.21E-06	0.070786
-0.13966	0.00249	-0.11301	0.01454	-0.12835	0.00547	-0.07733	0.09509	-0.07228
0.053243	0.25084	0.108924	0.01854	0.046286	0.31822	0.14033	0.00237	0.212257
0.008771	0.85006	-0.08323	0.07234	-0.05538	0.2323	-0.08068	0.08157	-0.02707
0.012125	0.79385	0.123322	0.00763	0.084725	0.06735	0.12486	0.0069	0.053696
0.028637	0.53703	-0.01721	0.71064	-0.00806	0.86217	-0.01378	0.76654	0.079614
-0.00037	0.9937	-0.04908	0.28991	-0.00613	0.89485	-0.09649	0.03711	-0.1588

0.08748	0.05889	0.188659	4.08E-05	0.099505	0.03156	0.208338	5.62E-06	0.331404
0.080031	0.08406	0.03171	0.49423	0.020255	0.66241	0.041313	0.37305	-0.01066
-0.02591	0.57647	0.003254	0.94409	-0.01571	0.73488	0.01229	0.7911	0.029615
0.034486	0.4572	0.043051	0.35327	0.016067	0.72911	0.065473	0.15777	0.048016
0.188352	4.20E-05	0.199166	1.45E-05	0.155229	0.00076	0.186436	5.04E-05	0.128084
0.016657	0.71958	0.126571	0.00616	0.055199	0.23382	0.128391	0.00546	0.147233
-0.05654	0.22263	0.048458	0.29602	0.064897	0.16147	-0.02167	0.6405	0.042214
0.08149	0.07854	0.051098	0.27046	0.062489	0.17763	0.03553	0.44368	0.032447
0.229617	5.28E-07	0.251725	3.50E-08	0.271378	2.51E-09	0.166361	0.00031	0.228673
0.150845	0.00108	0.046475	0.31626	0.026629	0.56595	0.066563	0.15095	0.101451
0.071305	0.12387	-0.00123	0.97888	0.041964	0.36556	-0.0441	0.34168	-0.05127
0.166424	0.0003	0.010857	0.81499	0.09537	0.03938	-0.04848	0.29585	-0.01978
0.073399	0.11318	0.015479	0.73867	0.048645	0.29416	-0.01322	0.77569	-0.05663
0.127587	0.00576	0.072786	0.11623	0.075588	0.1028	0.057728	0.21305	0.060013
0.244257	9.02E-08	0.173281	0.00017	0.156552	0.00069	0.145385	0.00163	0.102845
0.126443	0.00622	0.094453	0.04133	0.102784	0.02634	0.056633	0.22188	0.037555
0.080078	0.08387	0.067215	0.14698	0.033789	0.46635	0.082834	0.07372	0.027435
0.059915	0.19619	0.069714	0.1325	0.036384	0.4328	0.08414	0.06927	0.025882
-0.07387	0.11087	-0.1841	6.28E-05	-0.1163	0.0119	-0.19059	3.39E-05	-0.28232
-0.06928	0.13493	-0.05986	0.19658	-0.05853	0.20678	-0.03792	0.41365	-0.04459
0.055119	0.2345	0.080009	0.08414	0.07552	0.10311	0.04866	0.29402	0.068894
0.045206	0.32967	0.016012	0.73	0.02763	0.55144	-0.00509	0.91263	-0.09588
0.055221	0.23364	0.136291	0.00317	0.138801	0.00265	0.088674	0.05551	0.279906
-0.06045	0.19225	-0.15714	0.00065	-0.11158	0.01585	-0.15351	0.00087	-0.27574
0.135684	0.0033	0.044405	0.33831	0.057012	0.2188	0.030029	0.51741	0.004217
-0.00594	0.89805	-0.18367	6.54E-05	-0.12908	0.00521	-0.15918	0.00055	-0.25178
0.129626	0.00502	0.136807	0.00305	0.132224	0.00421	0.118166	0.0106	0.07557
0.338776	5.27E-14	0.155697	0.00073	0.131647	0.00438	0.178253	0.00011	0.175019
0.198085	1.62E-05	0.178306	0.00011	0.206883	6.55E-06	0.110725	0.01668	0.084343
0.231224	4.37E-07	0.217831	2.01E-06	0.220858	1.44E-06	0.151379	0.00103	0.133184
0.081675	0.07786	0.234539	2.95E-07	0.106687	0.02111	0.279331	8.10E-10	0.304551
0.055326	0.23275	0.001721	0.97042	0.068282	0.14066	-0.06683	0.14934	-0.00627
0.145482	0.00162	0.045612	0.32534	0.093599	0.04321	0.011772	0.7997	0.061448
0.137182	0.00297	0.148797	0.00126	0.218229	1.93E-06	0.013623	0.76905	0.230177
0.050326	0.27778	0.102623	0.02658	0.092505	0.04572	0.065467	0.15781	0.164037
0.12028	0.00927	0.166975	0.00029	0.179519	9.59E-05	0.098896	0.03262	0.106856
0.170194	0.00022	0.12758	0.00576	0.126263	0.00629	0.114586	0.01322	0.050476
0.014884	0.74836	0.001887	0.96756	0.030973	0.50433	-0.0318	0.493	-0.11603
0.128835	0.0053	0.047912	0.30151	0.100817	0.02938	0.008356	0.85709	0.011158
0.027119	0.55883	-0.11899	0.01006	-0.03296	0.47734	-0.14849	0.00129	-0.18927
0.023179	0.61734	0.096703	0.0367	0.056301	0.2246	0.100797	0.02941	0.081426
0.068235	0.14093	0.152774	0.00093	0.122956	0.00781	0.122358	0.00812	0.238347
0.017581	0.70474	-0.05234	0.25897	-0.0021	0.96394	-0.0707	0.12707	-0.13259
0.034883	0.45203	0.065291	0.15893	0.046434	0.31668	0.073011	0.11511	0.060828
0.278421	9.24E-10	0.280125	7.22E-10	0.296722	6.03E-11	0.179485	9.62E-05	0.12519

0.145518	0.00162	0.129791	0.00497	0.144124	0.00179	0.100984	0.02911	0.126299
0.013095	0.77776	-0.11666	0.01164	-0.05239	0.25856	-0.11646	0.01179	-0.15895
0.045313	0.32852	-0.05537	0.23237	-0.02437	0.59935	-0.06628	0.15272	-0.13011
0.04516	0.33016	0.099976	0.03076	0.034184	0.46115	0.129468	0.00508	0.175709
0.105737	0.0223	0.048559	0.29502	0.080582	0.08194	-0.00286	0.95086	0.001359
0.202956	9.86E-06	0.168353	0.00026	0.199709	1.37E-05	0.09419	0.0419	0.212094
0.284207	3.98E-10	0.202378	1.05E-05	0.166969	0.00029	0.180458	8.80E-05	0.161596
0.218525	1.87E-06	0.208268	5.67E-06	0.215713	2.54E-06	0.147224	0.00142	0.138948
-0.0172	0.71089	-0.09518	0.03978	-0.04425	0.34001	-0.0902	0.05141	-0.24891
-0.02451	0.59726	-0.05271	0.25559	-0.05433	0.24129	-0.03815	0.41074	-0.0729
0.10868	0.01881	0.094952	0.04026	0.120383	0.00921	0.044773	0.33432	0.171975
0.115536	0.01247	0.082124	0.07624	0.089365	0.05362	0.043443	0.34889	0.048353
0.039772	0.39116	0.018579	0.68882	0.005473	0.9061	0.011581	0.8029	0.098246
-0.13494	0.00348	-0.2485	5.29E-08	-0.17519	0.00014	-0.24847	5.31E-08	-0.32868
0.08277	0.07394	-0.001	0.98272	0.004358	0.92517	0.002357	0.95949	0.042728
0.080284	0.08308	0.088005	0.05738	0.132616	0.00409	0.00314	0.94605	0.051062
0.00531	0.90889	0.151389	0.00103	0.033335	0.47236	0.221202	1.38E-06	0.094359
0.231889	4.04E-07	0.219788	1.62E-06	0.358744	1.25E-15	-0.00171	0.97066	0.006509
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0.132878	0.00402	0.251419	3.64E-08	0.153919	0.00085	0.285337	3.37E-10	0.224588
0.052632	0.25632	0.086472	0.06188	0.084577	0.06784	0.054528	0.23956	0.1361
-0.01415	0.76032	0.015248	0.74242	-9.32E-05	0.9984	0.017569	0.70492	0.031012
0.074664	0.10709	0.026493	0.56794	0.080566	0.082	-0.00707	0.87882	-0.06024
-0.05128	0.26877	-0.014	0.76284	-0.01516	0.74387	-0.01689	0.71584	0.070555
-0.03104	0.50338	-0.0552	0.23385	-0.0252	0.58704	-0.06941	0.13418	-0.04858
0.222866	1.15E-06	0.190558	3.40E-05	0.22225	1.23E-06	0.127198	0.00591	0.059437
0.036466	0.43176	0.032533	0.48309	0.069304	0.13479	-0.01769	0.70294	-0.01299
0.031334	0.49936	0.006672	0.88567	0.041317	0.37301	-0.01804	0.69736	-0.04723
0.214186	3.00E-06	0.208244	5.68E-06	0.225333	8.66E-07	0.133812	0.00377	0.101716
0.249921	4.41E-08	0.244523	8.72E-08	0.274785	1.55E-09	0.127083	0.00596	0.157374
0.078284	0.09107	0.083176	0.07254	0.078988	0.08819	0.060429	0.19238	0.079614
0.018428	0.69123	-0.08831	0.05651	-0.03946	0.3949	-0.10065	0.02964	-0.13872
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0.03243	0.48448	0.031571	0.49613	0.035828	0.43987	0.016237	0.72636	-0.01751
0.143387	0.00189	0.085847	0.06379	0.065893	0.15512	0.112225	0.01525	0.104463
-0.06879	0.13771	-0.15565	0.00074	-0.08401	0.0697	-0.1812	8.22E-05	-0.25417
0.019226	0.67858	-0.06908	0.13609	0.02645	0.56856	-0.14021	0.00239	-0.23573
0.009796	0.83278	-0.04207	0.36435	-0.00582	0.90019	-0.0694	0.13425	-0.09438
-0.00312	0.94634	0.034978	0.4508	0.02519	0.58714	0.028966	0.53235	-0.02357
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0.109649	0.01777	0.149664	0.00118	0.21324	3.33E-06	0.025568	0.58154	0.208757
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-0.0677	0.14407	-0.04324	0.35117	-0.04313	0.3524	-0.03878	0.40313	-0.05553
0.002163	0.96281	0.057211	0.21719	0.022335	0.63022	0.056125	0.22605	0.149397
0.12805	0.00559	0.106027	0.02193	0.172112	0.00019	0.012432	0.78874	0.214462



0.097157	0.03582	0.083709	0.07072	0.048718	0.29344	0.098624	0.03311	0.094311
0.233329	3.41E-07	0.236938	2.21E-07	0.192876	2.71E-05	0.20333	9.49E-06	0.227011
0.164984	0.00034	0.217797	2.02E-06	0.210639	4.40E-06	0.160882	0.00048	0.137057
0.104067	0.02451	0.177857	0.00011	0.141674	0.00215	0.150317	0.00112	0.1888
0.040692	0.38029	0.077523	0.09426	0.038229	0.40982	0.094966	0.04023	0.106173
0.179132	9.93E-05	0.109645	0.01778	0.120617	0.00908	0.096839	0.03644	0.020905
0.166136	0.00031	0.095467	0.03918	0.126747	0.00609	0.042124	0.36374	0.209546
0.101187	0.02878	0.032107	0.48884	0.028688	0.5363	0.034023	0.46326	0.062933
0.060056	0.19514	0.00102	0.98246	0.066833	0.1493	-0.07564	0.10254	0.035447
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0.161164	0.00047	0.050805	0.27322	0.053737	0.24646	0.05236	0.25879	0.016473
0.027022	0.56024	0.035651	0.44213	0.080956	0.08053	-0.02496	0.59057	0.003033
0.123205	0.00769	0.127388	0.00584	0.10255	0.02669	0.115445	0.01254	0.19133
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0.037091	0.42391	0.038905	0.40157	0.06725	0.14677	0.014842	0.74904	0.029151
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0.027131	0.55865	0.044681	0.33532	0.026291	0.5709	0.049686	0.28394	0.042971
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0.052035	0.26176	0.086833	0.06079	0.066062	0.15406	0.08033	0.0829	0.099076
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0.049668	0.28411	0.031166	0.50167	0.029128	0.53007	0.010636	0.81869	0.011515
0.227117	7.05E-07	0.087535	0.05873	0.140048	0.00242	0.027783	0.54924	0.102008
0.021859	0.63752	-0.04122	0.37414	-0.02277	0.62364	-0.03454	0.45649	-0.03701
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0.285866	3.12E-10	0.248942	5.00E-08	0.205752	7.38E-06	0.228975	5.69E-07	0.208766
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0.041448	0.37149	0.005617	0.90364	0.014714	0.75113	0.006928	0.8813	0.081026
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0.150207	0.00113	0.078152	0.09162	0.168831	0.00025	-0.01133	0.80708	0.062033
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0.072548	0.11743	0.031296	0.49989	0.071219	0.12432	-0.00595	0.89798	-0.02257
0.049737	0.28345	0.140366	0.00236	0.069455	0.13395	0.149817	0.00117	0.266403
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0.113271	0.01432	0.073761	0.11141	0.156295	0.0007	-0.0117	0.80091	0.035963
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0.006707	0.88507	-0.03571	0.44139	0.019578	0.67304	-0.08166	0.0779	-0.11975
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0.016904	0.71559	-0.02797	0.54648	-0.01593	0.73139	-0.02546	0.5832	-0.03917
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0.083714	0.0707	0.087075	0.06008	0.081709	0.07774	0.094902	0.04037	0.030844
-0.12628	0.00628	-0.107	0.02073	-0.09389	0.04257	-0.07738	0.09489	-0.1171
0.186821	4.86E-05	0.151485	0.00102	0.237164	2.15E-07	0.004829	0.91711	0.054143
-0.08745	0.05898	-0.04667	0.3142	-0.05913	0.20212	-0.03905	0.3998	-0.02832
0.017212	0.71065	0.045551	0.32599	0.03545	0.4447	0.064829	0.16191	0.018038
0.017553	0.70518	0.037391	0.42016	0.077513	0.09431	-0.02563	0.5806	-0.00177
0.203897	8.95E-06	0.062956	0.1744	0.08483	0.06702	0.042681	0.35742	0.007283
-0.06743	0.14569	0.036688	0.42896	-0.01621	0.7268	0.058606	0.20616	0.234496
-0.04646	0.31646	-0.03335	0.47221	-0.0368	0.42749	-0.02506	0.58908	-0.02799
-0.09209	0.04671	-0.08591	0.06359	-0.0874	0.05913	-0.05353	0.24825	-0.09247
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-0.02166	0.64058	-0.01658	0.72081	-0.0115	0.80424	-0.00928	0.84155	-0.01505
-0.02064	0.6564	-0.00722	0.87626	-0.00355	0.93908	-0.00777	0.86699	2.01E-05
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-0.05598	0.2273	-0.05305	0.25252	-0.05312	0.25195	-0.04068	0.38041	-0.04409
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0.09233	0.04613	0.002473	0.95749	-0.00046	0.99212	0.002628	0.95483	0.005482
0.04107	0.37587	-0.03546	0.44455	-0.02929	0.52779	-0.02158	0.64186	-0.05531
-0.02339	0.61408	-0.0182	0.69487	-0.02007	0.66533	-0.01297	0.77978	-0.0278
0.044864	0.33334	0.057897	0.21172	0.05418	0.24258	0.058773	0.20487	0.030024
0.059282	0.20097	0.23198	4.00E-07	0.133835	0.00376	0.230567	4.72E-07	0.311873
0.069326	0.13467	0.016351	0.72451	0.07379	0.11127	-0.01622	0.72667	0.018381
0.172546	0.00018	0.08441	0.06838	0.068107	0.14168	0.079207	0.08731	0.312079
-0.04679	0.31303	-0.02987	0.51962	-0.03706	0.42428	-0.02612	0.57344	-0.03216
-0.0046	0.92097	0.002199	0.96219	-0.00992	0.83072	-0.0059	0.89881	0.176374
-0.04614	0.31972	0.064282	0.16549	-0.01025	0.8252	0.106456	0.0214	0.230092
-0.06665	0.15039	-0.05	0.28086	-0.05504	0.23515	-0.03984	0.39032	0.016153
-0.02775	0.54966	-0.015	0.74651	-0.01659	0.72069	-0.01724	0.71012	0.082603
-0.02776	0.54958	-0.01823	0.69433	-0.02193	0.63643	-0.01647	0.72253	-0.01224
-0.03868	0.40435	-0.0254	0.58396	-0.02827	0.54221	-0.02954	0.52429	-0.01039
-0.04666	0.31438	-0.03332	0.47261	-0.03206	0.48942	-0.03069	0.50817	0.144475
0.094241	0.04179	0.02299	0.62021	0.068532	0.1392	0.012452	0.78841	0.014539

-0.06604	0.15417	-0.06158	0.18405	-0.06502	0.16065	-0.05498	0.23571	-0.0714
0.184216	6.21E-05	0.131121	0.00454	0.160084	0.00052	0.053534	0.24825	0.337911
-0.06694	0.14866	-0.0828	0.07383	-0.07633	0.09947	-0.0594	0.20005	-0.08565
-0.05053	0.27583	-0.02138	0.64486	-0.05517	0.23409	0.008012	0.86291	0.016957
-0.02515	0.58775	-0.01784	0.70061	-0.01268	0.78469	-0.01449	0.75483	-0.01205
-0.0464	0.31707	-0.0349	0.45185	-0.04095	0.3773	-0.02562	0.58075	-0.03121
0.088878	0.05494	0.014713	0.75116	0.009505	0.83769	0.011851	0.7984	0.119194
0.029968	0.51826	-0.00456	0.92179	0.008343	0.8573	1.94E-05	0.99967	-0.04577
0.021463	0.64363	0.003902	0.93297	0.011072	0.81139	-0.00361	0.93806	0.00311
-0.04678	0.31305	-0.02853	0.53861	-0.031	0.504	-0.02149	0.64314	-0.01977
-0.07601	0.10087	-0.04988	0.28202	-0.05242	0.25824	-0.03583	0.43988	-0.04286
-0.03453	0.45656	-0.05307	0.25242	-0.03885	0.4023	-0.04826	0.29796	0.007163
-0.02235	0.62996	-0.01401	0.76269	-0.01739	0.7078	-0.01336	0.77332	-0.01564
0.015525	0.73792	0.00963	0.83558	0.008494	0.85474	0.030836	0.50622	-0.05468
0.065085	0.16026	0.02717	0.55809	0.02907	0.53088	0.045119	0.3306	0.086429
-0.10507	0.02316	-0.05817	0.20957	-0.06291	0.17469	-0.03804	0.41209	-0.01339
0.107085	0.02064	0.100235	0.03033	0.068193	0.14117	0.123343	0.00762	0.170515
-0.01554	0.73774	-0.00458	0.92133	-0.00185	0.96816	0.001929	0.96683	0.085383
-0.03393	0.46444	-0.0229	0.62153	-0.0208	0.65393	-0.0155	0.73836	-0.00192
-0.02364	0.61042	-0.01471	0.75114	-0.01607	0.72909	-0.01713	0.71193	-0.01946
-0.04662	0.31476	-0.03417	0.46127	-0.04899	0.29071	-0.01066	0.81831	0.103305
-0.05003	0.2806	-0.03291	0.478	-0.03391	0.4648	-0.02367	0.6099	-0.04414
-0.09274	0.04517	-0.05707	0.21832	-0.0593	0.20084	-0.04251	0.35933	-0.04638
0.161172	0.00047	0.024146	0.60273	0.074567	0.10754	-0.00193	0.9669	0.067554
0.066734	0.1499	0.058486	0.2071	0.084565	0.06788	0.025797	0.57816	-0.00552
-0.00739	0.87352	-0.01955	0.67351	-0.01901	0.68196	-0.01624	0.72639	-0.02491
-0.08431	0.06871	-0.05536	0.2325	-0.05504	0.23518	-0.03902	0.40018	-0.03942
-0.01353	0.77059	-0.03192	0.49139	-0.02722	0.55729	-0.01682	0.71702	-0.02411
0.064477	0.1642	0.176497	0.00013	0.067192	0.14712	0.22734	6.88E-07	0.281986
-0.08201	0.07664	-0.06307	0.17362	-0.05958	0.19868	-0.04461	0.33613	-0.06293
0.150787	0.00108	0.067766	0.14369	0.145454	0.00162	-3.35E-05	0.99942	0.050843
0.117409	0.01111	0.044999	0.33188	0.062258	0.17924	0.026177	0.57257	0.125219
-0.01868	0.68724	-0.00966	0.83503	-0.00971	0.83424	-0.00079	0.98649	-0.01315
-0.03678	0.42775	-0.02658	0.5667	-0.01682	0.71688	-0.01499	0.7466	-0.02229
0.020681	0.65577	-0.04735	0.30727	0.022744	0.62395	-0.08049	0.08228	-0.13558
0.028464	0.53949	0.033217	0.47393	0.011308	0.80745	0.029528	0.52442	0.110772
0.232117	3.93E-07	0.274605	1.59E-09	0.270962	2.66E-09	0.206768	6.63E-06	0.226974
-0.06539	0.15829	-0.03446	0.45755	-0.0445	0.3373	-0.0238	0.60794	-0.02789
-0.07541	0.1036	-0.04044	0.38321	-0.04105	0.37614	-0.02515	0.58778	0.008754
-0.01198	0.79626	-0.00864	0.85231	-0.00906	0.84523	-0.00628	0.89232	-0.00083
0.236553	2.32E-07	0.212775	3.50E-06	0.332502	1.62E-13	0.001415	0.97567	0.038414
-0.01434	0.7573	-0.0524	0.25841	-0.05661	0.22203	-0.04459	0.33628	-0.01753
0.042019	0.36494	0.0063	0.89199	0.0226	0.62615	0.006964	0.88069	-0.00558
-0.1237	0.00744	-0.07959	0.08578	-0.08146	0.07866	-0.05276	0.25515	-0.10422
0.198735	1.52E-05	0.268323	3.83E-09	0.158843	0.00057	0.333879	1.27E-13	0.231374

-0.03951	0.39428	-0.02915	0.52977	-0.02754	0.55277	-0.02395	0.60566	-0.01033
-0.08121	0.07957	-0.04157	0.37012	-0.05565	0.23006	-0.01901	0.68207	-0.03627
0.007474	0.87202	0.046731	0.3136	0.013615	0.76918	0.051039	0.27101	0.183381
0.027588	0.55204	0.025337	0.58496	0.036709	0.42869	0.029119	0.53019	-0.0039
-0.03853	0.40609	-0.05785	0.21205	-0.032	0.49029	-0.06117	0.18695	-0.00078
-0.06239	0.17834	0.009916	0.83076	-0.03037	0.5126	0.044828	0.33373	0.077703
-0.02554	0.58188	0.023768	0.60843	-0.01487	0.74863	0.060239	0.19378	0.065751
-0.05969	0.19792	-0.04862	0.29444	-0.03713	0.42345	-0.03847	0.40685	-0.03157
0.045842	0.3229	0.106583	0.02124	0.037243	0.422	0.152836	0.00092	0.134974
-0.05385	0.24543	-0.03327	0.47324	-0.0375	0.41882	-0.03604	0.43722	0.184964
0.001325	0.97721	0.006296	0.89206	0.018609	0.68835	0.006347	0.8912	0.011571
0.295755	7.00E-11	0.314784	3.35E-12	0.30518	1.60E-11	0.232144	3.92E-07	0.191746
0.06044	0.1923	-0.01261	0.7857	0.020091	0.66499	-0.0515	0.26666	-0.04169
0.325723	5.28E-13	0.20136	1.16E-05	0.250394	4.15E-08	0.127153	0.00593	0.094384
-0.05196	0.26242	-0.04634	0.31771	-0.0376	0.41754	-0.03845	0.40711	-0.03102
0.081638	0.078	0.070296	0.12929	0.102203	0.02721	0.016532	0.72159	-0.00429
-0.06371	0.16931	-0.0603	0.19331	-0.05659	0.22223	-0.0407	0.38015	-0.06925
-0.04233	0.3614	-0.02694	0.56137	-0.02245	0.62842	-0.024	0.60491	-0.01491
0.030596	0.50953	0.082538	0.07476	0.054778	0.23741	0.102975	0.02606	0.003763
0.030974	0.50431	0.013438	0.7721	0.032307	0.48614	0.007844	0.86575	0.005103
-0.06102	0.18806	-0.1006	0.02973	-0.09886	0.0327	-0.0786	0.08979	-0.14285
0.036816	0.42735	0.150054	0.00114	0.082268	0.07572	0.156909	0.00067	0.192257
-0.04639	0.31718	-0.10674	0.02105	-0.03372	0.46722	-0.14523	0.00165	-0.20761
0.085762	0.06406	-0.12087	0.00893	-0.02546	0.58312	-0.14172	0.00214	-0.21889
-0.05833	0.20833	0.013778	0.76649	0.018631	0.688	-0.00933	0.84064	0.01059
0.153005	0.00091	0.140981	0.00226	0.153867	0.00085	0.091656	0.04775	0.091728
-0.00901	0.84604	-0.0746	0.10739	-0.05759	0.21412	-0.08703	0.06022	-0.128
0.007103	0.87833	0.03466	0.45492	0.01908	0.68089	0.042485	0.35964	0.023731
0.104058	0.02453	0.087595	0.05856	0.102585	0.02664	0.050202	0.27896	0.05024
0.134749	0.00353	0.089863	0.0523	0.066407	0.15191	0.074212	0.10923	0.325407
0.033727	0.46716	0.050177	0.2792	0.060483	0.19198	0.012295	0.79102	0.063293
0.044965	0.33225	-0.01772	0.70253	0.04917	0.28898	-0.04484	0.33356	-0.08719
-0.023	0.61998	-0.14154	0.00217	-0.10773	0.01988	-0.11355	0.01408	-0.2096
0.01657	0.72099	-0.02646	0.56847	0.000391	0.99328	-0.02922	0.52874	-0.06412
-0.00262	0.95496	-0.01805	0.69718	-0.01098	0.81288	-0.01646	0.72276	-0.05586
0.150578	0.0011	0.144895	0.00169	0.173752	0.00016	0.053841	0.24555	0.046702
0.031492	0.49721	0.068019	0.1422	0.066591	0.15078	0.046887	0.31198	0.029272
0.02932	0.52735	0.035369	0.44575	0.055273	0.2332	0.030773	0.50708	0.004632
0.06987	0.13163	0.108836	0.01864	0.072214	0.11913	0.098214	0.03385	0.204414
0.041139	0.37507	0.017148	0.71168	0.017966	0.69859	0.008315	0.85777	-0.03952
-0.02777	0.54942	-0.11432	0.01343	-0.05792	0.21152	-0.1111	0.01631	-0.20119
-0.11336	0.01424	-0.08776	0.05809	-0.06548	0.15772	-0.09668	0.03675	-0.16475
-0.00207	0.96448	0.003332	0.94274	0.008556	0.8537	0.007096	0.87844	0.099954
0.060251	0.19369	0.081499	0.07851	0.045752	0.32385	0.112342	0.01514	0.04247
0.298835	4.35E-11	0.113377	0.01423	0.171754	0.00019	0.057604	0.21404	0.012593

0.011766	0.79981	-0.07338	0.11326	-0.03056	0.5101	-0.09178	0.04744	-0.12693
-0.06197	0.18127	-0.16123	0.00047	-0.07511	0.105	-0.20255	1.03E-05	-0.16939
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0.182671	7.17E-05	0.147105	0.00143	0.163738	0.00038	0.098983	0.03247	0.07394
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-0.07272	0.11654	-0.07435	0.10858	-0.07829	0.09105	-0.04156	0.37025	-0.08435
-0.03152	0.49688	-0.06509	0.16021	-0.03428	0.45982	-0.0639	0.16805	-0.12929
-0.02614	0.57312	-0.04349	0.34839	-0.00585	0.89973	-0.06438	0.16484	-0.17376
0.156625	0.00068	0.062917	0.17467	0.087206	0.05969	0.03249	0.48366	0.002264
-0.08256	0.07468	-0.10345	0.02538	-0.04892	0.29142	-0.11223	0.01525	-0.2268
0.080799	0.08111	0.015003	0.74642	0.019901	0.66796	0.00718	0.87702	-0.09949
0.077954	0.09245	0.085601	0.06456	0.115963	0.01215	0.073987	0.11031	-0.01021
-0.00443	0.92396	-0.0312	0.50114	-0.00516	0.91146	-0.05065	0.27466	-0.08134
0.000228	0.99608	0.008222	0.85934	0.016529	0.72164	-0.01087	0.81479	0.004934
-0.00907	0.84499	-0.02705	0.55983	-0.00418	0.92823	-0.04083	0.37868	-0.07318
0.042308	0.36164	0.043181	0.35182	0.060234	0.19382	0.007311	0.8748	0.047562
-0.18637	5.07E-05	-0.22143	1.35E-06	-0.17906	1.00E-04	-0.19472	2.26E-05	-0.24531
-0.10693	0.02082	-0.14204	0.00209	-0.07987	0.0847	-0.14927	0.00122	-0.17481
0.034647	0.4551	0.111251	0.01616	0.041629	0.36941	0.137365	0.00293	0.067351
0.019547	0.67352	0.02351	0.61232	0.026587	0.56656	0.019169	0.67947	0.001894
0.187317	4.64E-05	0.122149	0.00823	0.135864	0.00326	0.082301	0.0756	0.142968
-0.04627	0.31838	-0.0574	0.21571	-0.0373	0.42126	-0.05034	0.27765	-0.04048
-0.04278	0.35635	0.028111	0.54453	-0.00027	0.99531	0.035695	0.44156	0.113776
-0.01191	0.79749	-0.00322	0.94475	0.013377	0.7731	-0.00697	0.88054	0.011243
0.09604	0.03802	0.022088	0.63399	0.04794	0.30123	0.016398	0.72376	0.024367
-0.17611	0.00013	-0.17954	9.57E-05	-0.14685	0.00146	-0.16933	0.00024	-0.2126
0.066718	0.15	-0.07657	0.09839	-0.00032	0.99457	-0.1066	0.02122	-0.11552
0.260527	1.10E-08	0.086476	0.06187	0.193768	2.48E-05	-0.01941	0.67564	0.00689
0.019509	0.67412	-0.02874	0.53559	0.017647	0.70367	-0.04673	0.31362	-0.06215
0.028188	0.54343	0.118949	0.01009	0.071098	0.12496	0.122883	0.00785	0.133411
0.004477	0.92313	-0.01756	0.70501	0.011088	0.81111	-0.05545	0.23172	-0.03059
0.225478	8.52E-07	0.141278	0.00221	0.186888	4.83E-05	0.070222	0.12969	0.040995
0.02575	0.57885	-0.08343	0.07168	-0.03852	0.40623	-0.10287	0.02622	-0.14872
-0.01262	0.78563	0.013919	0.76417	0.000322	0.99445	0.012683	0.78457	0.029834
-0.06137	0.18552	-0.18836	4.20E-05	-0.10596	0.02201	-0.21062	4.41E-06	-0.34773
0.062173	0.17983	0.029663	0.52253	0.025138	0.5879	0.031189	0.50136	-0.01246
-0.03544	0.44482	-0.08187	0.07715	-0.03948	0.39466	-0.09051	0.05061	-0.19038
0.021596	0.64157	0.013661	0.76843	-0.00109	0.98132	0.013301	0.77436	-0.00785
0.044293	0.33954	0.15117	0.00105	0.062488	0.17763	0.188538	4.13E-05	0.220572
0.051244	0.2691	0.06149	0.18467	0.082921	0.07342	0.037405	0.41999	0.046848
0.006073	0.89586	0.045463	0.32692	0.035113	0.44905	0.042837	0.35567	0.060474
0.01414	0.76055	0.026059	0.5743	0.041603	0.36971	0.004658	0.92004	0.052665
0.239654	1.59E-07	0.164372	0.00036	0.21072	4.37E-06	0.054753	0.23763	0.0234
0.181964	7.66E-05	0.109113	0.01834	0.140361	0.00236	0.043093	0.35279	0.012974
-0.01558	0.73708	-0.03086	0.50585	-0.03215	0.48822	-0.02585	0.57745	-0.04399

0.028591	0.53768	0.036233	0.4347	0.012908	0.78085	0.043222	0.35136	0.086492
0.130719	0.00466	0.134017	0.00371	0.143098	0.00193	0.097062	0.03601	0.057991
-0.0044	0.92437	0.058104	0.21009	0.037648	0.41698	0.054436	0.24036	0.214406
0.08727	0.0595	0.080754	0.08129	0.081618	0.07807	0.049667	0.28412	0.078578
0.155365	0.00075	0.123825	0.00738	0.147144	0.00143	0.086621	0.06143	0.0779
0.167847	0.00027	0.141223	0.00222	0.183948	6.37E-05	0.054138	0.24294	0.140769
0.219669	1.64E-06	0.257686	1.61E-08	0.21127	4.12E-06	0.232419	3.80E-07	0.355056
0.05748	0.21503	0.126546	0.00617	0.107393	0.02027	0.078459	0.09035	0.23403
0.188919	3.98E-05	0.021677	0.64032	0.077365	0.09494	-0.00353	0.9393	-0.01431
-0.09912	0.03223	0.00561	0.90376	-0.05171	0.26479	0.042531	0.35912	-0.00795
0.11075	0.01665	0.128901	0.00527	0.114502	0.01329	0.116959	0.01143	0.134223
0.115878	0.01221	0.281287	6.10E-10	0.161708	0.00045	0.305955	1.41E-11	0.189457
0.070435	0.12853	0.10444	0.024	0.108797	0.01868	0.074033	0.1101	0.112573
-0.01429	0.75808	-0.00153	0.97364	-0.00031	0.99471	-0.0193	0.67734	-0.01451
0.138994	0.00261	0.165049	0.00034	0.123948	0.00732	0.142904	0.00196	0.306497
0.108381	0.01914	0.013093	0.7778	0.041729	0.36825	0.001447	0.97512	-0.03326
0.047406	0.30665	0.017173	0.71128	0.009175	0.84324	0.025567	0.58155	-0.02844
-0.04654	0.3156	-0.06215	0.17997	-0.06432	0.16521	-0.04913	0.28938	-0.08866
-0.16049	0.0005	-0.17491	0.00015	-0.15853	0.00059	-0.14471	0.00172	-0.25996
0.046643	0.31451	0.055907	0.22787	0.036149	0.43578	0.053216	0.25108	0.082421
0.102998	0.02603	0.064115	0.16659	0.087875	0.05775	0.022887	0.62178	0.06479
0.014414	0.75605	0.025817	0.57787	0.011489	0.80442	0.026479	0.56815	0.048479
0.0606	0.19112	0.15848	0.00059	0.093919	0.04249	0.162481	0.00042	0.19814
-0.14746	0.0014	-0.05695	0.21927	-0.0946	0.041	-0.01241	0.78907	-0.10811
-0.02427	0.60092	0.003484	0.94014	0.035177	0.44823	-0.04529	0.32879	0.02748
0.055156	0.23419	0.050173	0.27924	0.033374	0.47185	0.043315	0.35031	0.033045
0.050696	0.27425	0.039573	0.39354	0.054565	0.23924	0.010617	0.819	0.079695
0.147935	0.00135	0.076268	0.09973	0.127856	0.00566	0.019045	0.68144	0.127498
0.233963	3.16E-07	0.226405	7.66E-07	0.248193	5.50E-08	0.157371	0.00064	0.179711
-0.02039	0.66033	0.037229	0.42217	0.020837	0.65333	0.020725	0.65508	0.049673
0.014021	0.7625	-0.0633	0.17203	-0.00777	0.86702	-0.10094	0.02918	-0.11485
0.082495	0.07492	-0.05417	0.2427	-0.01103	0.81207	-0.07857	0.08988	-0.10467
-0.05199	0.26215	-0.05537	0.2324	-0.06124	0.18649	-0.03546	0.44463	-0.03578
-0.0221	0.63376	-0.04264	0.35783	-0.03333	0.47246	-0.02679	0.56359	0.061304
0.087307	0.05939	0.01441	0.75611	0.030484	0.51109	0.006714	0.88494	-0.03272
0.070082	0.13046	0.10674	0.02105	0.087061	0.06012	0.09309	0.04436	0.205785
0.082978	0.07322	0.01137	0.80642	0.048076	0.29986	-0.01729	0.70938	0.010685
0.079556	0.08592	0.117276	0.0112	0.079798	0.08497	0.1032	0.02574	0.144314
-0.05817	0.2096	-0.06009	0.19485	-0.03235	0.48549	-0.07418	0.1094	-0.0352
0.110544	0.01686	0.259356	1.29E-08	0.114572	0.01323	0.34103	3.50E-14	0.162014
0.033191	0.47428	0.099666	0.03129	0.029036	0.53136	0.123684	0.00745	0.049895
0.089814	0.05243	0.166872	0.00029	0.168982	0.00024	0.092756	0.04513	0.249546
0.018568	0.68899	-0.13218	0.00422	-0.05023	0.27873	-0.15727	0.00065	-0.18421
0.109997	0.01741	0.130683	0.00467	0.120283	0.00927	0.085527	0.06479	0.198854
0.039742	0.39152	-0.03104	0.50344	0.004419	0.92413	-0.05213	0.2609	-0.04574

0.007786	0.86674	0.034986	0.45069	0.024433	0.59843	0.031571	0.49613	0.03673
-0.07536	0.10386	-0.03407	0.46259	-0.04217	0.36324	-0.02645	0.56856	-0.02181
0.083329	0.07201	0.065365	0.15846	0.080174	0.0835	0.019845	0.66884	0.16422
-0.05497	0.23573	-0.02438	0.59915	-0.03536	0.4459	-0.00974	0.83374	-0.02032
-0.03024	0.5145	-0.00631	0.89191	-0.00136	0.97665	-0.01812	0.69605	-0.09402
0.131595	0.00439	0.153021	0.00091	0.061998	0.18107	0.194066	2.41E-05	0.096716
0.046428	0.31674	0.020257	0.66237	0.040331	0.38453	0.00566	0.90292	-0.02191
0.001769	0.96959	-0.03689	0.42647	-0.04315	0.35211	-0.03053	0.5105	-0.06972
0.10846	0.01905	0.14454	0.00174	0.114335	0.01342	0.123292	0.00764	0.068235
-0.08474	0.06732	-0.05181	0.26383	-0.04796	0.30106	-0.05315	0.25169	-0.0671
0.030806	0.50663	0.185276	5.62E-05	0.067452	0.14556	0.252381	3.22E-08	0.167956
0.002555	0.95609	-0.01657	0.72103	-0.0202	0.66324	-0.00267	0.95416	-0.00667
0.035068	0.44964	0.03118	0.50148	0.009329	0.84065	0.047182	0.30894	0.019812
0.097491	0.03519	0.050072	0.28021	0.033293	0.47291	0.049992	0.28098	0.066302
-0.04633	0.31777	0.012342	0.79023	-0.01178	0.79964	0.024259	0.60103	0.090198
0.035472	0.44443	-0.00703	0.8795	0.033769	0.46662	-0.02804	0.54557	-0.07377
-0.04989	0.28194	0.007962	0.86375	-0.00573	0.90164	0.023424	0.61362	0.035373
0.023615	0.61073	0.008427	0.85587	0.067683	0.14418	-0.023	0.62005	-0.11479
0.007303	0.87493	-0.0112	0.80927	-0.00456	0.92163	-0.0016	0.97257	-0.07625
0.057346	0.21611	0.072004	0.12022	0.056464	0.22326	0.060414	0.19249	0.187993
0.263598	7.31E-09	0.203857	8.98E-06	0.232964	3.56E-07	0.116799	0.01154	0.246843
-0.02849	0.53912	-0.04599	0.3213	-0.00943	0.83902	-0.05438	0.24082	-0.08352
0.056571	0.22238	-0.13711	0.00299	-0.02866	0.53664	-0.15875	0.00057	-0.30157
0.049992	0.28098	0.054904	0.23633	0.05206	0.26153	0.034903	0.45177	0.039257
0.020779	0.65424	0.040966	0.37708	0.030561	0.51002	0.047238	0.30836	0.028105
0.160078	0.00052	0.067159	0.14732	0.126755	0.00609	-0.00405	0.9305	0.12359
-0.008	0.86312	-0.03033	0.51325	-0.00187	0.96784	-0.03307	0.47587	-0.07607
0.06576	0.15595	0.037222	0.42227	0.050806	0.27322	0.007878	0.86518	0.004562
0.096775	0.03656	0.127788	0.00568	0.131518	0.00441	0.07197	0.12039	0.238835
0.034084	0.46246	0.046903	0.31181	0.064853	0.16175	0.003261	0.94397	0.089162
0.130043	0.00488	0.054583	0.23909	0.076441	0.09896	0.016386	0.72396	0.035716
0.187988	4.35E-05	0.232947	3.57E-07	0.234763	2.87E-07	0.155446	0.00075	0.114043
0.008911	0.84769	-0.01217	0.79317	-0.02683	0.56309	0.007434	0.87271	-0.03015
0.031472	0.49748	0.025546	0.58187	0.039205	0.39795	-0.00688	0.88206	0.086862
0.038985	0.4006	0.088886	0.05492	0.069868	0.13164	0.066382	0.15207	0.119627
0.115885	0.01221	0.101613	0.02811	0.085839	0.06382	0.096695	0.03672	0.155823
-0.03047	0.51127	0.059252	0.2012	0.024661	0.59502	0.066491	0.15139	0.164989
0.102959	0.02609	0.069774	0.13216	0.103437	0.0254	0.016077	0.72896	0.134919
-0.06602	0.1543	-0.10563	0.02244	-0.05764	0.21376	-0.11711	0.01132	-0.07341
0.05138	0.26783	-0.10725	0.02044	-0.0247	0.59444	-0.1429	0.00196	-0.20402
0.145361	0.00163	0.106379	0.02149	0.107138	0.02057	0.070188	0.12988	0.174173
0.123922	0.00734	-0.03032	0.5133	0.068166	0.14133	-0.11369	0.01396	-0.04596
0.125554	0.00659	-0.06045	0.19225	0.058194	0.20938	-0.13006	0.00488	-0.12623
0.156351	0.0007	0.110249	0.01715	0.111809	0.01563	0.074022	0.11015	0.158317
0.030397	0.51229	0.022971	0.62051	0.05682	0.22036	-0.0283	0.54177	0.101408

0.015188	0.7434	0.018312	0.69306	0.015375	0.74036	0.012822	0.78228	-0.01083
-0.02621	0.57208	0.050325	0.27778	-0.00173	0.97023	0.072089	0.11978	0.061298
0.083948	0.06991	0.019225	0.67859	0.047276	0.30798	-0.00882	0.84924	-0.0314
0.06449	0.16412	0.179058	0.0001	0.128588	0.00539	0.16383	0.00038	0.164379
0.083935	0.06996	0.067828	0.14332	0.074435	0.10817	0.01589	0.73199	0.077369
0.348754	8.40E-15	0.270862	2.69E-09	0.308889	8.80E-12	0.16022	0.00051	0.178358
0.018405	0.69159	0.068723	0.1381	0.043388	0.34951	0.057721	0.21311	0.106055
-0.00521	0.91063	0.04233	0.36139	0.016581	0.7208	0.05301	0.25291	0.07441
0.137494	0.00291	0.121373	0.00865	0.164774	0.00035	0.053677	0.24699	0.026967
-0.01479	0.74988	0.045355	0.32807	0.032829	0.47911	0.038804	0.4028	-0.02032
0.077397	0.0948	0.082953	0.07331	0.099984	0.03075	0.04607	0.32049	0.088566
0.034462	0.45751	0.068227	0.14098	0.025841	0.57751	0.096194	0.03771	0.031189
0.016636	0.71992	-0.08311	0.07276	-0.03528	0.44685	-0.09923	0.03204	-0.16761
0.099816	0.03103	0.204441	8.46E-06	0.108891	0.01858	0.242039	1.19E-07	0.209156
0.051708	0.26478	0.170502	0.00021	0.08527	0.06561	0.186139	5.18E-05	0.174936
0.012905	0.78091	-0.01136	0.80653	0.02095	0.65158	-0.03101	0.5038	-0.08464
0.065345	0.15859	-0.01126	0.80821	0.083897	0.07008	-0.08487	0.06688	-0.09978
0.033325	0.4725	0.029779	0.52091	0.029902	0.51919	0.014152	0.76036	0.069387
-0.05689	0.21982	-0.02879	0.53481	-0.07308	0.11475	0.003922	0.93264	-0.08654
0.059148	0.202	0.031009	0.50383	0.02035	0.66092	0.01974	0.67049	-0.01227
-0.08634	0.06228	-0.06602	0.15434	-0.06391	0.16794	-0.05359	0.24774	-0.02565
0.065837	0.15547	0.110589	0.01681	0.055159	0.23416	0.125817	0.00648	0.079985
0.028589	0.5377	0.082251	0.07578	0.065237	0.15928	0.062758	0.17576	0.120069
0.009119	0.84419	-0.04099	0.37685	0.036855	0.42686	-0.07381	0.11116	-0.2143
-0.00972	0.83408	-0.11303	0.01453	-0.02535	0.58472	-0.15606	0.00071	-0.16772
0.090377	0.05096	0.007648	0.86908	0.080159	0.08356	-0.03963	0.39284	-0.07628
0.0403	0.3849	0.07918	0.08741	0.026951	0.56126	0.109279	0.01816	0.054309
-0.00466	0.91998	-0.00019	0.99668	-0.01584	0.73275	0.018413	0.69146	-0.0491
0.110639	0.01676	0.069761	0.13223	0.078356	0.09077	0.03783	0.41472	0.052327
-0.0013	0.97766	0.0093	0.84113	0.015552	0.73748	-0.00425	0.92709	-0.03018
0.099292	0.03193	0.096535	0.03703	0.130159	0.00484	0.044653	0.33562	0.103717
0.172297	0.00018	0.076794	0.09741	0.111811	0.01563	0.034229	0.46056	0.050385
0.116762	0.01157	0.093201	0.04411	0.053248	0.25079	0.104719	0.02363	0.012741
0.114898	0.01297	0.2083	5.65E-06	0.173256	0.00017	0.173475	0.00016	0.108504
-0.00331	0.94313	-0.00648	0.88887	-0.01912	0.68018	-0.00374	0.93584	0.001552
0.095983	0.03813	0.155512	0.00075	0.12661	0.00615	0.134294	0.00364	0.123822
0.1522	0.00097	0.121141	0.00878	0.136855	0.00304	0.089413	0.05349	0.094753
0.072844	0.11594	0.042948	0.35442	0.054752	0.23763	0.041	0.37669	-0.00858
0.000986	0.98304	-0.14882	0.00126	-0.03656	0.43053	-0.19171	3.04E-05	-0.27388
0.088127	0.05704	0.034945	0.45123	0.035651	0.44213	0.040006	0.38837	-0.0108
0.085297	0.06552	0.090117	0.05163	0.060435	0.19234	0.101328	0.02856	0.10577
0.154064	0.00084	0.11669	0.01162	0.148077	0.00133	0.04636	0.31746	0.070172
0.133427	0.00387	0.125073	0.00681	0.092294	0.04622	0.103829	0.02484	0.111523
0.157108	0.00066	0.108485	0.01903	0.09231	0.04618	0.083557	0.07123	0.178947
0.047754	0.3031	0.091507	0.04812	0.080378	0.08272	0.074541	0.10767	0.08314



-0.05932	0.20069	-0.00813	0.86094	-0.04232	0.36153	0.008851	0.84871	0.016146
0.035705	0.44144	-0.06497	0.16096	-0.03242	0.4846	-0.07871	0.08932	-0.09734
0.063946	0.16771	-0.01849	0.69017	0.001641	0.97179	-0.03178	0.49324	0.033023
0.114339	0.01342	0.233085	3.51E-07	0.144613	0.00173	0.223758	1.04E-06	0.252288
0.007464	0.87219	-0.00872	0.85097	-0.00294	0.94948	-0.01508	0.74517	0.063237
-0.01332	0.77411	0.041194	0.37443	0.012185	0.79284	0.045982	0.32143	0.038595
0.231587	4.19E-07	0.319089	1.63E-12	0.286211	2.96E-10	0.258735	1.40E-08	0.188917
0.04588	0.32249	0.137085	0.00299	0.062098	0.18036	0.172016	0.00019	0.136888
0.000611	0.9895	0.019735	0.67056	0.020742	0.65481	0.020684	0.65571	-0.01125
0.034043	0.463	0.020991	0.65095	0.048409	0.29652	-0.00658	0.88716	0.025368
0.23343	3.37E-07	0.14014	0.0024	0.16099	0.00048	0.10179	0.02784	0.050396
0.026074	0.57409	0.031112	0.50242	0.024012	0.60474	0.027561	0.55243	0.092303
0.030227	0.51465	0.03145	0.49778	0.03005	0.51712	0.032714	0.48065	-0.0057
0.131896	0.0043	0.155786	0.00073	0.135834	0.00327	0.124716	0.00697	0.150229
-0.07762	0.09386	-0.00607	0.89599	-0.03533	0.4462	0.005111	0.91228	0.11073
0.038558	0.40579	0.120013	0.00943	0.045325	0.32839	0.131861	0.00431	0.156244
-0.03811	0.41127	0.04133	0.37286	-0.00206	0.9646	0.073059	0.11487	0.011577
-0.06442	0.16455	-0.08526	0.06563	-0.0632	0.17272	-0.07626	0.09976	-0.18398
0.197244	1.76E-05	0.123198	0.00769	0.146191	0.00154	0.063252	0.17238	0.038491
0.04437	0.3387	0.011919	0.79727	-0.00023	0.99609	0.010545	0.82021	0.131951
0.144584	0.00173	0.305544	1.51E-11	0.209192	5.14E-06	0.285166	3.46E-10	0.32706
0.304708	1.72E-11	0.269868	3.09E-09	0.267494	4.29E-09	0.209916	4.76E-06	0.199721
0.056764	0.22081	0.157692	0.00063	0.062739	0.1759	0.179907	9.25E-05	0.105202
0.018842	0.68464	-0.05897	0.20335	-0.00288	0.95053	-0.07866	0.08953	-0.19023
0.065488	0.15767	0.039913	0.38948	0.059768	0.1973	0.009245	0.84206	-0.01173
0.343542	2.21E-14	0.30434	1.83E-11	0.277181	1.10E-09	0.279321	8.11E-10	0.161298
0.162477	0.00042	0.167734	0.00027	0.218546	1.86E-06	0.085711	0.06422	0.25197
0.14641	0.00151	0.146467	0.0015	0.119885	0.00951	0.141534	0.00217	0.123841
0.237499	2.07E-07	0.170599	0.00021	0.189146	3.89E-05	0.113938	0.01375	0.143203
-0.07607	0.10061	-0.04923	0.28841	-0.04617	0.31942	-0.04061	0.38127	-0.12252
-0.0561	0.2263	0.000851	0.98536	-0.0188	0.68533	0.031206	0.50112	0.038126
-0.02214	0.63319	-0.10236	0.02697	-0.05546	0.23164	-0.08735	0.05926	-0.14791
-0.0385	0.40654	0.074276	0.10893	-0.0043	0.92624	0.102762	0.02638	0.111386
0.174767	0.00015	0.021418	0.64433	0.073618	0.11211	-0.01851	0.68989	0.046053
0.195693	2.05E-05	0.162141	0.00044	0.214918	2.77E-06	0.084123	0.06933	0.116144
0.120439	0.00918	0.090486	0.05068	0.117097	0.01133	0.034639	0.4552	0.173391
0.029117	0.53022	0.043528	0.34795	0.032649	0.48153	0.020317	0.66145	-0.1139
0.206891	6.55E-06	0.13085	0.00462	0.205393	7.66E-06	0.030167	0.51549	0.026187
0.169284	0.00024	0.036826	0.42722	0.125223	0.00674	-0.03233	0.48582	-0.06325
0.166332	0.00031	0.11305	0.01451	0.145552	0.00161	0.045915	0.32213	0.01398
0.090498	0.05065	0.048173	0.29888	0.061979	0.1812	0.029366	0.52671	-0.02818
0.100703	0.02956	0.055333	0.23269	0.032511	0.48338	0.055437	0.23181	0.144813
0.048964	0.29101	-0.0645	0.16403	-0.02518	0.5873	-0.07304	0.11494	-0.03713
0.224697	9.31E-07	0.246523	6.79E-08	0.248502	5.29E-08	0.169551	0.00023	0.130428
0.037167	0.42295	0.0788	0.08895	0.063627	0.16984	0.06324	0.17246	0.109283

0.066622	0.15059	0.091061	0.04922	0.055205	0.23377	0.081197	0.07962	0.231625
0.050465	0.27645	0.095416	0.03929	0.039134	0.39881	0.111568	0.01586	0.077518
-0.00798	0.86345	-0.08739	0.05916	-0.01113	0.81045	-0.11499	0.0129	-0.1988
0.082837	0.07371	0.106728	0.02106	0.073918	0.11065	0.099286	0.03194	0.160119
-0.09819	0.03389	-0.07918	0.08743	-0.07773	0.0934	-0.06053	0.19164	-0.13218
0.028091	0.54482	0.009631	0.83556	0.03689	0.42643	-0.01727	0.70978	-0.07244
0.072536	0.11749	0.119638	0.00966	0.070975	0.12562	0.114802	0.01305	0.180248
0.201413	1.15E-05	0.14204	0.00209	0.164577	0.00036	0.081814	0.07735	0.234381
0.351657	4.86E-15	0.384774	6.29E-18	0.344183	1.96E-14	0.300244	3.49E-11	0.229409
0.072295	0.11872	0.065572	0.15714	0.044794	0.33409	0.048935	0.29129	0.081111
0.135043	0.00346	0.07316	0.11436	0.045863	0.32268	0.089815	0.05242	0.026102
0.363582	4.84E-16	0.164841	0.00035	0.208716	5.40E-06	0.092208	0.04642	0.110905
0.12282	0.00788	0.273025	1.99E-09	0.181561	7.95E-05	0.269989	3.04E-09	0.213815
0.188991	3.95E-05	0.109993	0.01742	0.137208	0.00297	0.077546	0.09417	0.113815
-0.09099	0.04939	-0.14737	0.00141	-0.13532	0.00339	-0.11791	0.01077	-0.23381
-0.09371	0.04295	0.017602	0.70439	-0.05454	0.23944	0.063349	0.17173	-0.00132
0.101733	0.02793	0.089676	0.05279	0.097107	0.03592	0.047476	0.30594	0.065253
-0.02324	0.61638	-0.03716	0.4231	-0.02827	0.54232	-0.04638	0.31728	-0.09549
-0.03238	0.48521	0.047711	0.30354	-0.00208	0.96425	0.066536	0.15112	0.084194
-0.0036	0.93823	-0.05817	0.2096	-0.02992	0.51891	-0.06517	0.15968	-0.14983
0.215242	2.68E-06	0.107593	0.02004	0.174634	0.00015	0.021375	0.64499	0.198348
0.229479	5.36E-07	0.14308	0.00194	0.121412	0.00863	0.135625	0.00332	0.328022
-0.00399	0.93145	-0.17765	0.00011	-0.06291	0.17471	-0.19992	1.34E-05	-0.30556
0.067869	0.14308	0.135668	0.00331	0.107612	0.02002	0.127458	0.00581	0.14837
0.038673	0.40439	-0.01143	0.80534	0.02945	0.52552	-0.03188	0.4919	-0.04207
0.2203	1.53E-06	0.098068	0.03412	0.114355	0.01341	0.056261	0.22493	0.02153
0.100508	0.02988	-0.11872	0.01024	-0.00541	0.90718	-0.15461	0.0008	-0.25256
0.069964	0.13111	0.044414	0.33821	0.053477	0.24876	0.020912	0.65217	0.056314
0.051099	0.27045	0.051141	0.27006	0.067965	0.14251	0.048638	0.29423	0.047689
0.02769	0.55058	0.103526	0.02527	0.006858	0.8825	0.149657	0.00118	0.104025
0.033433	0.47106	0.052915	0.25377	0.049408	0.28664	0.048367	0.29694	0.094634
-0.0385	0.40655	-0.15358	0.00087	-0.11008	0.01733	-0.16684	0.00029	-0.19077
0.047785	0.30279	-0.0689	0.1371	-0.03233	0.48576	-0.07515	0.10484	-0.17681
0.029442	0.52564	0.039015	0.40024	0.036876	0.4266	0.017136	0.71187	0.004543
0.052492	0.25759	0.064601	0.16339	0.054567	0.23923	0.063069	0.17363	0.182833
0.220952	1.42E-06	0.348092	9.50E-15	0.265624	5.55E-09	0.322449	9.26E-13	0.233998
0.078638	0.08961	0.004705	0.91923	0.038892	0.40173	-0.01817	0.69534	-0.00116
0.140373	0.00236	0.009329	0.84065	0.021485	0.64329	0.016268	0.72587	-0.03659
0.102394	0.02692	0.010153	0.82679	0.050943	0.27192	-0.02121	0.64759	0.019297
0.143806	0.00184	0.03805	0.41202	0.076725	0.09771	0.022758	0.62375	0.072516
0.1758	0.00013	0.083358	0.07191	0.138137	0.00278	0.013623	0.76904	0.003068
0.110554	0.01685	0.188314	4.22E-05	0.115353	0.01261	0.198319	1.58E-05	0.123887
0.014444	0.75556	0.034182	0.46117	0.026278	0.57109	0.022845	0.62243	0.028618
0.085214	0.06578	0.090985	0.04941	0.089058	0.05445	0.064459	0.16432	0.088205
0.155706	0.00073	0.116032	0.0121	0.124074	0.00726	0.100069	0.03061	0.097659

0.073537	0.1125	0.0919	0.04716	0.073598	0.11221	0.069606	0.1331	0.205832
0.089735	0.05264	0.1864	5.06E-05	0.086694	0.06121	0.233337	3.41E-07	0.141057
0.00529	0.90923	0.018777	0.68568	-0.00774	0.86758	0.040684	0.38038	0.05521
0.116898	0.01147	0.100699	0.02957	0.100018	0.03069	0.082433	0.07513	0.056191
0.145503	0.00162	0.164693	0.00035	0.174173	0.00016	0.098055	0.03414	0.163063
0.019666	0.67164	-0.02691	0.56186	-0.00371	0.93628	-0.03117	0.50159	-0.10105
0.055843	0.2284	-0.01513	0.74428	-0.00483	0.91716	-0.0268	0.56352	-0.04587
0.136968	0.00302	0.147549	0.00139	0.164979	0.00034	0.11462	0.01319	0.126833
-0.05092	0.27214	0.029818	0.52037	-0.01918	0.67927	0.060114	0.19471	0.109327
0.161055	0.00048	0.190497	3.42E-05	0.182468	7.31E-05	0.143774	0.00184	0.100328
0.028827	0.53432	0.054378	0.24086	0.013836	0.76555	0.067912	0.14283	0.190264
0.062876	0.17495	0.005617	0.90365	0.014104	0.76114	0.001614	0.97226	0.01206
0.024985	0.59019	0.159865	0.00052	0.091446	0.04827	0.165209	0.00034	0.349111
0.033751	0.46685	0.024143	0.60278	0.030819	0.50645	0.00452	0.9224	0.019473
0.2118	3.89E-06	0.197383	1.74E-05	0.217353	2.12E-06	0.135145	0.00343	0.28406
0.061501	0.18459	-0.02627	0.57124	0.029509	0.5247	-0.05872	0.20527	-0.08408
-0.02049	0.65877	0.048051	0.3001	-0.00283	0.95131	0.064084	0.1668	0.183832
0.034753	0.45372	0.053743	0.2464	0.026349	0.57004	0.071601	0.12231	0.111104
0.01671	0.71873	0.062021	0.1809	0.003913	0.9328	0.09137	0.04845	0.111317
0.377535	2.88E-17	0.193648	2.51E-05	0.281975	5.52E-10	0.083131	0.07269	0.168521
0.126276	0.00629	0.087819	0.05791	0.053109	0.25203	0.089204	0.05406	0.207133
-0.01918	0.67926	0.000459	0.9921	-0.00592	0.89851	0.003726	0.936	0.016921
0.045034	0.33151	0.119479	0.00976	0.078176	0.09152	0.116343	0.01187	0.154819
0.028421	0.5401	0.108925	0.01854	0.066704	0.15009	0.112197	0.01528	0.243695
-0.04052	0.38225	0.06493	0.16125	0.019866	0.6685	0.060497	0.19188	0.154184
0.06404	0.16709	0.057968	0.21116	0.069435	0.13406	0.014701	0.75136	0.091369
0.048183	0.29878	0.02477	0.59339	0.029123	0.53013	0.021	0.65081	0.024251
0.063351	0.17171	0.08858	0.05577	0.065955	0.15472	0.073559	0.1124	0.15221
0.026758	0.56407	0.046771	0.31318	0.037096	0.42383	0.038934	0.40123	0.113031
-0.01039	0.82273	-0.01272	0.78391	-0.00615	0.8945	-0.02571	0.57949	-0.0183
0.045597	0.32549	0.067259	0.14672	0.048187	0.29874	0.064974	0.16097	0.024255
0.153476	0.00088	0.05489	0.23645	0.118267	0.01053	-0.00085	0.98541	0.008912
-0.03954	0.39391	0.062223	0.17948	0.001384	0.97621	0.081462	0.07864	0.311202
0.026934	0.56151	0.009517	0.83748	-0.01019	0.82616	0.022922	0.62125	0.130871
-0.12764	0.00574	-0.05439	0.24073	-0.06503	0.1606	-0.04011	0.38711	-0.05847
0.039175	0.39831	-0.00724	0.87597	0.008812	0.84938	-0.00068	0.98833	-0.02383
0.202886	9.93E-06	0.186337	5.09E-05	0.227939	6.41E-07	0.071938	0.12056	0.186635
-0.01447	0.75514	-0.02645	0.56863	-0.00867	0.85181	-0.02016	0.66386	0.010423
-0.0348	0.45314	-0.03325	0.47348	-0.03079	0.50686	-0.03582	0.43991	-0.03026
0.138611	0.00268	0.098964	0.0325	0.069897	0.13148	0.105922	0.02206	0.265435
0.204536	8.37E-06	0.023141	0.61791	0.058358	0.2081	0.019211	0.67882	0.02572
0.049998	0.28092	0.01517	0.74369	0.030524	0.51053	0.007249	0.87585	-0.05965
-0.05721	0.21719	-0.04169	0.36865	-0.03905	0.3998	-0.04069	0.38033	-0.03144
-0.02745	0.55403	0.031061	0.50312	0.004552	0.92184	0.046295	0.31813	0.078975
-0.01135	0.80675	-0.08238	0.07533	-0.04271	0.35706	-0.09593	0.03824	-0.07108

-0.11564	0.01239	-0.17192	0.00019	-0.10774	0.01987	-0.17279	0.00018	-0.29868
0.146754	0.00147	0.107597	0.02003	0.139643	0.00249	0.048921	0.29143	0.02447
0.04266	0.35766	0.050713	0.27409	0.055726	0.22938	0.040971	0.37702	0.016745
-0.02344	0.61333	-0.0046	0.92105	0.024075	0.60379	-0.03412	0.46201	-0.006
0.344707	1.78E-14	0.392994	1.07E-18	0.362158	6.41E-16	0.318829	1.71E-12	0.199976
0.069925	0.13132	0.160802	0.00049	0.07749	0.09441	0.204424	8.47E-06	0.277267
0.071999	0.12024	0.045578	0.32569	0.074766	0.1066	0.019393	0.67594	-0.02707
-0.09993	0.03084	-0.0729	0.11565	-0.07276	0.11638	-0.05449	0.23986	-0.09495
0.070786	0.12663	0.099201	0.03209	0.10833	0.0192	0.055844	0.22839	0.088652
-0.07486	0.10616	-0.05315	0.25164	-0.0652	0.15952	-0.02222	0.63201	-0.08195
0.162692	0.00042	0.078363	0.09074	0.089973	0.05201	0.056902	0.21969	-0.00332
0.067537	0.14505	-0.02624	0.57159	0.007109	0.87823	-0.03101	0.50383	-0.09439
-0.12975	0.00498	-0.22089	1.43E-06	-0.17011	0.00022	-0.21306	3.39E-06	-0.2696
-0.07764	0.09375	-0.08096	0.08052	-0.05868	0.2056	-0.10162	0.02811	-0.06874
0.028788	0.53489	-0.05417	0.24263	-0.01072	0.81723	-0.06774	0.14384	-0.18873
0.069759	0.13225	0.095407	0.03931	0.050579	0.27537	0.106921	0.02083	0.200845
0.319265	1.59E-12	0.284225	3.97E-10	0.258613	1.42E-08	0.227244	6.95E-07	0.148102
-0.08061	0.08184	-0.07747	0.09449	-0.03981	0.39069	-0.09309	0.04436	-0.21614
0.313487	4.15E-12	0.232042	3.97E-07	0.26987	3.09E-09	0.126024	0.00639	0.310719
0.029604	0.52336	0.015361	0.74059	0.019871	0.66843	-0.00806	0.8621	0.048751
0.016731	0.71839	0.012196	0.79265	0.023414	0.61377	0.022785	0.62333	0.042867
0.170074	0.00022	0.255232	2.22E-08	0.178928	0.0001	0.241582	1.26E-07	0.236337
0.026215	0.57201	0.020033	0.66589	0.025245	0.58632	0.000661	0.98864	0.050734
0.272738	2.07E-09	0.257862	1.57E-08	0.250505	4.10E-08	0.18324	6.80E-05	0.326902
-0.04222	0.36263	-0.04042	0.38353	-0.05384	0.24557	-0.02975	0.52129	-0.09972
0.069211	0.13532	0.092563	0.04558	0.081253	0.07941	0.08931	0.05377	0.052576
-0.04359	0.34729	-0.01754	0.70541	-0.0369	0.42635	-0.00037	0.99365	0.084276
0.13003	0.00489	0.17647	0.00013	0.195513	2.09E-05	0.122737	0.00792	0.086411
0.078925	0.08844	0.066713	0.15003	0.084674	0.06752	0.051795	0.26397	0.090149
0.04543	0.32727	-0.04822	0.29838	-0.04066	0.38064	-0.04555	0.32598	-0.07088
0.003294	0.94341	0.049806	0.28278	0.011968	0.79645	0.054974	0.23574	0.014994
0.021962	0.63593	0.124177	0.00722	0.036226	0.4348	0.163216	0.0004	0.066538
-0.00907	0.84495	-0.01085	0.8151	0.006472	0.88906	0.007796	0.86657	-0.02092
0.073585	0.11227	0.022407	0.62911	0.042905	0.3549	0.003988	0.9315	0.039226
0.058564	0.20649	0.156843	0.00067	0.062504	0.17752	0.18826	4.24E-05	0.091513
-0.05903	0.20288	-0.05068	0.27437	-0.04461	0.33608	-0.04348	0.34848	-0.0434
0.061586	0.18398	0.014153	0.76033	0.012426	0.78884	-0.00259	0.95554	0.059849
0.093252	0.04399	0.011991	0.79607	0.020105	0.66475	0.011097	0.81098	-0.01614
0.074275	0.10893	0.013676	0.76818	0.015395	0.74003	0.010538	0.82032	-0.0237
-0.00941	0.83922	-0.00395	0.93215	-0.00289	0.95038	-0.00704	0.87937	-0.00669
-0.00556	0.90459	0.012247	0.79182	0.006095	0.89549	0.008372	0.85681	0.06012
0.025122	0.58814	0.122936	0.00782	0.047106	0.30973	0.166684	0.0003	0.094915
0.327292	4.03E-13	0.302351	2.50E-11	0.323373	7.91E-13	0.201225	1.18E-05	0.166344
0.025245	0.58632	0.114312	0.01344	0.045666	0.32476	0.15345	0.00088	0.07468
0.054157	0.24278	0.183874	6.41E-05	0.079603	0.08573	0.227117	7.05E-07	0.152282

0.056446	0.22341	0.240253	1.48E-07	0.090491	0.05067	0.320908	1.20E-12	0.155839
-0.01965	0.67195	-0.16231	0.00043	-0.05587	0.22814	-0.18789	4.39E-05	-0.28563
0.19387	2.46E-05	0.231247	4.36E-07	0.24696	6.43E-08	0.136908	0.00303	0.107316
0.137228	0.00296	0.075554	0.10296	0.065457	0.15787	0.060317	0.1932	0.22798
0.222456	1.20E-06	0.300791	3.20E-11	0.158608	0.00058	0.370809	1.14E-16	0.207167
-0.01408	0.76151	-0.00421	0.92774	-0.00539	0.90759	-0.00622	0.89335	-0.00641
0.267869	4.08E-09	0.128312	0.00549	0.137643	0.00288	0.140373	0.00236	0.149606
0.194124	2.40E-05	0.051483	0.26686	0.085396	0.06521	0.041619	0.36951	0.035184
0.3411	3.46E-14	0.236229	2.41E-07	0.251825	3.46E-08	0.18161	7.91E-05	0.193751
0.265703	5.49E-09	0.284226	3.97E-10	0.368043	1.99E-16	0.103153	0.0258	0.169109
0.035632	0.44237	-0.08579	0.06397	-0.03059	0.5096	-0.09864	0.03308	-0.19662
-0.03933	0.39648	0.034696	0.45446	-0.00876	0.85031	0.04834	0.2972	0.097314
0.152256	0.00096	0.060193	0.19413	0.095801	0.0385	0.013684	0.76805	-0.02286
0.050539	0.27574	0.093719	0.04294	0.041512	0.37075	0.110448	0.01695	0.248291
0.056275	0.22482	0.147594	0.00138	0.047344	0.30729	0.19072	3.35E-05	0.178963
-0.01017	0.82649	-0.09922	0.03206	-0.08216	0.0761	-0.10163	0.02808	-0.06564
0.175407	0.00014	0.182641	7.19E-05	0.276344	1.24E-09	0.011605	0.8025	0.06349
0.038609	0.40517	0.057309	0.2164	0.016647	0.71974	0.089592	0.05301	0.018916
0.009811	0.83254	0.019441	0.67519	0.033606	0.46876	-0.00685	0.88255	0.06708
-0.04397	0.3431	-0.14943	0.0012	-0.11699	0.0114	-0.13455	0.00358	-0.18193
-0.03078	0.50696	-0.10866	0.01883	-0.08338	0.07183	-0.0983	0.03369	-0.15773
0.018183	0.69512	0.028453	0.53965	0.020047	0.66567	0.040191	0.38618	0.037106
0.081054	0.08016	0.048388	0.29672	0.091071	0.0492	-0.00503	0.91374	-0.0238
0.069746	0.13232	0.1835	6.64E-05	0.072403	0.11817	0.22823	6.20E-07	0.194218
-0.01762	0.70412	-0.05016	0.27941	-0.02265	0.62544	-0.04046	0.38302	-0.05342
0.114587	0.01322	0.119174	0.00995	0.117284	0.0112	0.086196	0.06272	0.073424
0.040406	0.38365	0.048154	0.29907	0.04618	0.31934	0.028382	0.54066	0.112029
0.028893	0.53339	0.005256	0.90981	-0.00081	0.98613	-0.01098	0.81297	0.080471
0.042956	0.35433	0.175563	0.00014	0.073273	0.1138	0.231546	4.21E-07	0.136965
-0.0842	0.06906	-0.11871	0.01024	-0.09034	0.05104	-0.09592	0.03826	-0.2446
0.052314	0.25921	0.106282	0.02161	0.088146	0.05698	0.083356	0.07192	0.266209
-0.01841	0.69144	-0.02288	0.62192	-0.02703	0.56014	-0.01503	0.74599	-0.00117
0.109502	0.01793	0.126348	0.00626	0.08637	0.06219	0.123849	0.00737	0.187273
0.130605	0.0047	0.106647	0.02116	0.115142	0.01278	0.088533	0.0559	0.085274
0.008986	0.84644	-0.00653	0.88813	0.01091	0.8141	-0.00698	0.88049	0.056019
0.038245	0.40962	0.016798	0.7173	0.024499	0.59744	-0.00069	0.98817	0.093572
-0.15418	0.00083	-0.12815	0.00555	-0.12264	0.00797	-0.10431	0.02418	-0.17221
-0.01136	0.80659	-0.12322	0.00768	-0.04492	0.33274	-0.1404	0.00236	-0.12109
0.039938	0.38918	-0.02914	0.52991	-0.01359	0.76953	-0.03325	0.47354	-0.06037
0.080661	0.08164	0.021038	0.65022	0.073173	0.1143	-0.01486	0.74877	-0.01847
-0.06796	0.14255	-0.04187	0.36668	-0.04008	0.38755	-0.05865	0.20585	-0.03898
0.061826	0.18228	0.044218	0.34035	0.113459	0.01416	-0.02797	0.54658	-0.04405
0.094488	0.04125	0.157114	0.00066	0.106316	0.02157	0.172878	0.00017	0.157377
-0.09422	0.04182	-0.06195	0.18143	-0.06486	0.16174	-0.05773	0.21303	-0.07427
0.077275	0.09533	0.153453	0.00088	0.10255	0.02669	0.176698	0.00012	0.038474

0.096681	0.03674	-0.0175	0.70596	0.047444	0.30626	-0.07115	0.1247	-0.07148
0.058301	0.20854	0.030203	0.51499	0.03582	0.43996	0.026146	0.57303	0.026845
0.052953	0.25343	-0.1644	0.00036	-0.07927	0.08705	-0.17531	0.00014	-0.23955
0.212232	3.71E-06	0.108444	0.01907	0.140395	0.00236	0.074022	0.11015	0.155233
0.107848	0.01974	0.058734	0.20517	0.057599	0.21408	0.052808	0.25473	0.013421
-0.00365	0.93726	-0.01047	0.82144	-0.00735	0.87412	-0.00542	0.90706	-0.00272
0.019635	0.67214	0.033054	0.47611	0.046864	0.31221	0.014055	0.76194	-0.01263
0.049531	0.28545	0.017456	0.70673	0.025271	0.58593	0.015825	0.73304	0.016894
0.173943	0.00016	0.24094	1.36E-07	0.124751	0.00695	0.302169	2.58E-11	0.217076
0.223096	1.12E-06	0.245884	7.36E-08	0.177549	0.00011	0.243448	9.97E-08	0.149599
0.259742	1.23E-08	0.129826	0.00496	0.109571	0.01785	0.140576	0.00233	0.074837
-0.12831	0.00549	-0.07035	0.129	-0.07306	0.11484	-0.04786	0.302	-0.02796
0.02178	0.63874	0.032715	0.48065	-0.00548	0.90606	0.069746	0.13232	0.085315
-0.07404	0.11004	-0.05812	0.20997	-0.03821	0.4101	-0.06979	0.13207	-0.10262
0.030394	0.51234	0.027973	0.54651	-0.01254	0.78703	0.043859	0.34429	0.042405
-0.03747	0.41914	-0.16153	0.00046	-0.11083	0.01657	-0.15871	0.00058	-0.2633
0.071308	0.12385	0.03312	0.47523	0.016694	0.71899	0.037338	0.42083	0.090483
-0.0438	0.3449	-0.00849	0.85473	-0.01656	0.72107	-0.02037	0.66055	0.057715
0.028238	0.54271	0.026632	0.56591	0.03403	0.46317	0.017296	0.7093	0.032793
0.265659	5.52E-09	0.181728	7.83E-05	0.166594	0.0003	0.148082	0.00133	0.127379
0.005557	0.90466	0.064775	0.16226	0.035581	0.44302	0.050866	0.27264	0.103827
0.021242	0.64704	0.089752	0.05259	0.030449	0.51157	0.117453	0.01108	0.089001
0.096094	0.03791	0.048519	0.29542	0.065894	0.15511	0.032562	0.48269	-0.02175
0.147089	0.00144	0.130288	0.0048	0.176207	0.00013	0.056067	0.22654	0.172827
0.018399	0.69168	-0.11398	0.01372	-0.0469	0.31182	-0.13723	0.00296	-0.16887
0.263629	7.28E-09	0.276828	1.16E-09	0.356148	2.06E-15	0.107291	0.02039	0.20161
-0.06209	0.18043	-0.10224	0.02715	-0.04534	0.32827	-0.14007	0.00241	-0.07317
0.113504	0.01412	0.188063	4.32E-05	0.182018	7.62E-05	0.130839	0.00463	0.100052
-0.01953	0.67378	0.021423	0.64425	0.011249	0.80843	0.004665	0.91991	0.011233
0.045948	0.32178	0.154026	0.00084	0.06561	0.1569	0.197501	1.72E-05	0.147763
-0.07149	0.12291	-0.08292	0.07343	-0.07892	0.08846	-0.0744	0.10833	-0.12252
0.050844	0.27285	-0.1366	0.0031	-0.03556	0.44323	-0.19408	2.41E-05	-0.13844
-0.10352	0.02528	-0.26362	7.29E-09	-0.17932	9.77E-05	-0.26201	9.05E-09	-0.34773
-0.04183	0.36709	-0.19786	1.66E-05	-0.10068	0.0296	-0.21491	2.78E-06	-0.28127
0.02906	0.53102	0.054793	0.23728	0.082124	0.07624	0.00494	0.91521	0.072116
-0.03999	0.38856	-0.03446	0.4575	-0.02213	0.63336	-0.02618	0.5726	0.000165
0.034103	0.46221	-0.04251	0.35938	0.002249	0.96135	-0.04403	0.3424	-0.08632
-0.06721	0.14703	0.069444	0.13401	0.010492	0.8211	0.080524	0.08216	0.102832
0.344996	1.69E-14	0.270665	2.77E-09	0.319231	1.60E-12	0.16141	0.00046	0.322681
0.050999	0.2714	0.061541	0.18431	0.10586	0.02214	-0.00081	0.98611	0.030848
0.029291	0.52776	0.038958	0.40094	0.026795	0.56353	0.05087	0.27261	0.02861
0.000335	0.99423	-0.07734	0.09504	-0.0357	0.44152	-0.07306	0.11485	-0.20283
0.116172	0.012	0.100007	0.03071	0.069002	0.13651	0.102889	0.02619	0.205561
-0.05896	0.20341	-0.05246	0.25791	-0.02401	0.60473	-0.07265	0.11693	-0.03162
0.120114	0.00937	0.181797	7.78E-05	0.108943	0.01852	0.206858	6.57E-06	0.135254

0.210741	4.36E-06	0.145709	0.00159	0.180006	9.17E-05	0.095481	0.03915	0.124599
0.22432	9.72E-07	0.164132	0.00037	0.118725	0.01023	0.157198	0.00065	0.306727
0.090185	0.05146	-0.02806	0.54524	0.028563	0.53808	-0.05709	0.2182	-0.03683
0.007818	0.8662	0.085825	0.06386	0.040249	0.3855	0.107341	0.02033	0.176903
0.072869	0.11582	0.036631	0.42967	0.07012	0.13025	0.001829	0.96856	-0.02524
0.087356	0.05925	0.030917	0.5051	0.058142	0.20979	0.020502	0.65855	0.170718
-0.01361	0.76931	-0.01159	0.80267	-0.0072	0.8766	-0.0177	0.70288	0.038058
0.085639	0.06444	0.191371	3.14E-05	0.108498	0.01901	0.198134	1.61E-05	0.264832
0.072352	0.11843	0.092875	0.04486	0.080858	0.08089	0.09237	0.04604	0.06489
0.043554	0.34766	-0.02539	0.58416	0.032958	0.47739	-0.04786	0.302	-0.13337
0.059466	0.19958	0.03379	0.46633	0.077381	0.09487	-0.02846	0.53956	0.062982
0.016665	0.71946	0.036957	0.42558	-0.00121	0.97926	0.06199	0.18112	0.04775
0.053797	0.24593	0.145328	0.00164	0.08907	0.05442	0.142931	0.00196	0.214902
0.003459	0.94057	-0.12777	0.00569	-0.02929	0.52781	-0.15408	0.00084	-0.27238
0.079947	0.08438	-0.00887	0.84838	0.023039	0.61946	-0.02571	0.57937	-0.11345
0.058808	0.20461	0.003599	0.93816	0.010206	0.8259	-0.01424	0.75888	-0.05978
0.054229	0.24215	0.033171	0.47455	0.02203	0.63488	0.039451	0.395	-0.00035
0.039119	0.39899	0.009099	0.84452	0.03076	0.50727	-0.01543	0.73942	0.049275
0.059	0.20313	0.140442	0.00235	0.072892	0.1157	0.149507	0.00119	0.126039
0.176536	0.00013	0.174406	0.00015	0.182515	7.28E-05	0.115016	0.01288	0.232535
0.128201	0.00553	0.1111002	0.01641	0.112632	0.01488	0.098478	0.03337	0.042736
-0.00649	0.8888	0.029118	0.53021	0.026837	0.56293	0.026699	0.56493	0.057607
0.021807	0.63832	-0.03633	0.43352	-0.02178	0.63881	-0.04869	0.29371	-0.11861
0.072774	0.11629	0.109353	0.01808	0.097145	0.03585	0.120679	0.00904	0.074506
-0.00919	0.84293	-0.03192	0.49143	-0.02815	0.54394	-0.01914	0.68	-0.01169
0.018417	0.6914	-0.00518	0.9111	0.003601	0.93814	-0.00926	0.84176	-0.0191
0.096948	0.03623	0.056899	0.21971	0.064883	0.16156	0.051347	0.26813	0.033595
0.000106	0.99818	-0.0383	0.40893	-0.00657	0.88743	-0.05809	0.21022	-0.05209
0.275493	1.40E-09	0.148591	0.00128	0.193982	2.43E-05	0.087335	0.05931	0.016897
-0.09025	0.05128	-0.05547	0.23154	-0.03862	0.40498	-0.07118	0.12453	-0.03297
0.149679	0.00118	0.126026	0.00639	0.166262	0.00031	0.062841	0.17519	0.028318
-0.06867	0.13839	0.05144	0.26727	-0.01506	0.74556	0.060367	0.19284	0.157014
0.192066	2.94E-05	0.119907	0.0095	0.097186	0.03577	0.118649	0.01028	0.076524
0.073688	0.11177	0.107288	0.02039	0.085761	0.06406	0.092412	0.04594	0.30661
0.019642	0.67203	0.035471	0.44443	0.003694	0.93655	0.040842	0.37853	0.066475
0.042874	0.35525	0.071936	0.12057	0.039173	0.39834	0.064598	0.16341	0.127092
0.128851	0.00529	0.097263	0.03562	0.141653	0.00215	0.032904	0.47811	0.010935
0.071784	0.12136	0.100731	0.02952	0.09228	0.04625	0.092536	0.04565	0.040294
-0.03807	0.41178	0.035475	0.44439	-0.00457	0.92153	0.069685	0.13266	0.055817
0.057445	0.21531	-0.08077	0.08121	-0.00462	0.92073	-0.11139	0.01603	-0.1845
0.07017	0.12998	0.086574	0.06157	0.084088	0.06945	0.069301	0.13481	0.027522
0.028439	0.53984	0.076219	0.09995	0.0441	0.34164	0.083671	0.07084	0.110076
0.033096	0.47554	0.106606	0.02121	0.082471	0.075	0.086819	0.06084	0.127328
0.122339	0.00813	0.071413	0.1233	0.114958	0.01292	0.037756	0.41564	-0.00324
0.039064	0.39965	-0.03045	0.51151	0.02619	0.57238	-0.07316	0.11435	0.020659

-0.18225	7.46E-05	-0.19566	2.06E-05	-0.12957	0.00504	-0.21567	2.55E-06	-0.19087
0.086813	0.06085	-0.04988	0.28209	0.05542	0.23195	-0.11633	0.01188	-0.10654
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0.052719	0.25553	0.117786	0.01085	0.085345	0.06537	0.107146	0.02056	0.114836
0.052056	0.26157	0.036059	0.43692	0.039088	0.39936	0.036484	0.43153	0.023398
0.177155	0.00012	0.230603	4.70E-07	0.241975	1.20E-07	0.144711	0.00172	0.176604
0.144223	0.00178	0.190194	3.52E-05	0.127868	0.00565	0.183546	6.61E-05	0.334497
0.087603	0.05853	0.07032	0.12916	0.081278	0.07932	0.066434	0.15175	0.032639
0.014052	0.76199	0.026509	0.56771	0.024536	0.59688	0.033154	0.47477	0.070388
0.036391	0.43271	0.040188	0.38622	0.021061	0.64986	0.045577	0.3257	0.061593
-0.09558	0.03895	-0.07087	0.12618	-0.06416	0.16628	-0.08988	0.05225	-0.00538
0.050238	0.27862	-0.11005	0.01735	0.003699	0.93645	-0.15047	0.00111	-0.21875
0.078479	0.09026	-0.03599	0.43776	0.000917	0.98422	-0.03662	0.42982	-0.12828
0.082233	0.07584	0.014566	0.75356	0.026675	0.56528	-0.00595	0.89798	0.060613
-0.03335	0.47223	-0.06601	0.15439	-0.05273	0.25541	-0.07663	0.09811	-0.14676
0.045726	0.32413	0.014096	0.76126	-0.01529	0.74181	0.030455	0.51148	0.085339
-0.04533	0.32838	-0.13988	0.00245	-0.05711	0.21798	-0.18535	5.58E-05	-0.20821
0.103101	0.02588	0.077458	0.09454	0.089871	0.05228	0.053022	0.25281	0.08431
0.088737	0.05533	0.009092	0.84465	0.008332	0.85749	0.009064	0.84512	-0.07266
0.138839	0.00264	0.221261	1.37E-06	0.190216	3.51E-05	0.171159	0.0002	0.235877
0.169981	0.00022	0.284738	3.68E-10	0.229389	5.42E-07	0.24687	6.50E-08	0.196387
-0.01455	0.75385	-0.02788	0.54791	-0.01683	0.71674	-0.02154	0.64242	-0.01555
0.042899	0.35497	0.013718	0.76749	0.02027	0.66218	-0.00512	0.91218	0.031692
-0.04246	0.35991	-0.01931	0.67721	-0.02497	0.59036	-0.02954	0.52422	-0.02738
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0.002862	0.95082	-0.01572	0.73469	-0.0072	0.87662	-0.01332	0.77411	0.007037
0.117292	0.01119	0.06273	0.17596	0.064613	0.16331	0.058991	0.2032	0.184125
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0.200974	1.21E-05	0.040769	0.37939	0.042775	0.35636	0.046748	0.31342	0.042783
0.179342	9.74E-05	0.025056	0.58913	0.030984	0.50417	0.026229	0.57181	-0.00911
-0.03479	0.45325	-0.01679	0.71736	-0.02407	0.60382	-0.00675	0.88438	0.0153
-0.09521	0.03972	-0.0383	0.40898	-0.03663	0.42971	-0.03104	0.50336	0.020473
-0.03151	0.497	-0.09476	0.04067	-0.01996	0.66697	-0.13775	0.00285	-0.22631
0.089271	0.05387	0.001433	0.97536	0.06642	0.15183	-0.03448	0.45725	-0.03462
0.076731	0.09769	0.11646	0.01178	0.09569	0.03873	0.100242	0.03032	0.079755
0.01248	0.78794	-0.01521	0.74309	0.014266	0.75848	-0.01877	0.6858	-0.02913
0.008329	0.85754	-0.00474	0.91859	-0.00707	0.87885	0.002012	0.9654	-0.00071
0.010179	0.82634	0.054484	0.23994	0.047672	0.30394	0.042861	0.35539	0.029961
0.020975	0.6512	0.020475	0.65897	0.044398	0.33839	-0.01398	0.76311	0.052874
0.156112	0.00071	0.155851	0.00073	0.158741	0.00058	0.115821	0.01226	0.142823
0.065646	0.15667	0.120656	0.00906	0.091081	0.04917	0.096689	0.03673	0.175526
0.124883	0.00689	0.130637	0.00469	0.130131	0.00485	0.087146	0.05987	0.104746
0.107554	0.02008	0.094972	0.04022	0.103846	0.02482	0.055795	0.22881	0.052001
0.08803	0.05731	0.060122	0.19465	0.073644	0.11198	0.042066	0.3644	0.002651
0.139618	0.0025	0.06727	0.14665	0.122727	0.00793	0.024086	0.60363	0.010578



0.099476	0.03161	0.045695	0.32445	0.078427	0.09048	0.0157	0.73507	0.074801
-0.01436	0.75686	-0.0606	0.19113	-0.03616	0.43562	-0.05103	0.27106	-0.04506
-0.01007	0.8282	0.005123	0.91208	0.002975	0.94888	-0.00169	0.97099	0.113631
0.081311	0.0792	0.079716	0.08529	0.080817	0.08105	0.052763	0.25514	0.068204
0.121891	0.00837	0.181989	7.64E-05	0.10852	0.01899	0.200662	1.25E-05	0.245029
0.007293	0.8751	-0.02767	0.5508	-0.01781	0.70113	-0.04392	0.34365	-0.0731
0.061849	0.18212	0.06457	0.1636	0.075522	0.1031	0.050927	0.27208	0.029014
-0.01567	0.7355	-0.00237	0.95919	-0.00766	0.86886	0.016794	0.71738	0.001831
-0.10223	0.02716	-0.09778	0.03465	-0.09693	0.03627	-0.08962	0.05295	-0.11674
0.277207	1.10E-09	0.301635	2.80E-11	0.276645	1.19E-09	0.220696	1.46E-06	0.207304
0.230796	4.60E-07	0.249289	4.78E-08	0.228152	6.26E-07	0.189629	3.72E-05	0.128091
0.014466	0.7552	0.045955	0.32171	0.029129	0.53006	0.037258	0.42181	0.24966
0.000706	0.98787	-0.07528	0.10421	-0.07256	0.11735	-0.05614	0.22594	-0.19181
-0.01809	0.69663	0.069758	0.13226	0.021411	0.64443	0.094486	0.04125	0.094677
0.079509	0.0861	0.114434	0.01334	0.092221	0.04639	0.098291	0.03371	0.207296
0.057299	0.21648	0.119978	0.00945	0.087693	0.05827	0.103835	0.02484	0.201833
0.193528	2.54E-05	0.107009	0.02073	0.133205	0.00393	0.052444	0.25802	0.081105
0.025947	0.57595	0.105397	0.02273	0.048582	0.29479	0.105723	0.02231	0.207421
0.013848	0.76534	-0.10476	0.02357	-0.02568	0.57992	-0.13822	0.00276	-0.17848
0.16464	0.00035	0.195532	2.09E-05	0.169606	0.00023	0.148976	0.00124	0.336033
0.063838	0.16843	0.079589	0.08579	0.087023	0.06023	0.049856	0.28229	0.067948
0.158064	0.00061	0.018911	0.68356	0.0678	0.14349	-0.00597	0.89768	-0.03924
0.091778	0.04745	0.156793	0.00067	0.053914	0.2449	0.210518	4.46E-06	0.327576
0.061875	0.18194	-0.02313	0.61813	0.020455	0.65929	-0.04877	0.29289	0.064502
0.089737	0.05263	0.153107	0.0009	0.097649	0.03489	0.149615	0.00118	0.23385
0.077971	0.09237	0.05399	0.24424	0.066145	0.15354	0.037709	0.41622	0.051275
0.066578	0.15086	0.033028	0.47645	0.023997	0.60498	0.028264	0.54235	0.124914
0.131137	0.00453	0.070383	0.12881	0.071377	0.12349	0.040406	0.38364	0.1701
0.184874	5.84E-05	0.148785	0.00126	0.190137	3.54E-05	0.075971	0.10106	0.120309
-0.01783	0.7007	-0.04152	0.37071	0.012255	0.79167	-0.06729	0.14655	-0.13884
0.001518	0.9739	-0.22718	7.00E-07	-0.12101	0.00885	-0.24348	9.93E-08	-0.32864
0.125789	0.00649	0.090744	0.05002	0.069363	0.13446	0.081025	0.08027	0.114583
0.149983	0.00115	0.163517	0.00039	0.16812	0.00026	0.090185	0.05146	0.200636
0.097216	0.03571	0.073551	0.11243	0.125635	0.00656	0.013698	0.76781	-0.02098
0.355612	2.29E-15	0.254766	2.36E-08	0.320506	1.29E-12	0.109665	0.01775	0.137293
0.212055	3.78E-06	0.130311	0.00479	0.156058	0.00071	0.100088	0.03057	0.055039
0.111796	0.01565	0.193771	2.48E-05	0.126629	0.00614	0.217038	2.20E-06	0.175634
0.082401	0.07525	0.151334	0.00104	0.093226	0.04405	0.153092	0.0009	0.066489
0.315121	3.17E-12	0.323645	7.55E-13	0.218452	1.88E-06	0.350014	6.63E-15	0.303346
0.053522	0.24836	0.105697	0.02235	0.064236	0.16579	0.115754	0.01231	0.133035
0.055039	0.23518	0.051733	0.26455	0.063463	0.17095	0.029335	0.52714	0.071799
-0.11134	0.01608	0.006074	0.89585	-0.00872	0.85092	0.001863	0.96797	0.052952
0.041923	0.36603	0.115901	0.0122	0.053848	0.24548	0.145941	0.00157	0.175784
0.007612	0.86968	-0.002	0.96569	0.005585	0.90419	-0.00458	0.92145	-0.00716
-0.0339	0.46484	0.011478	0.80461	-0.00745	0.87247	0.011873	0.79803	0.047551

0.01493	0.74762	0.039604	0.39316	0.026223	0.57189	0.04353	0.34793	0.060565
-0.08096	0.08051	0.004267	0.92673	-0.03751	0.41863	0.031108	0.50247	0.01474
0.015722	0.73471	-0.01584	0.73287	0.035477	0.44436	-0.04758	0.30488	-0.06553
-0.04771	0.30352	-0.01849	0.69025	0.004253	0.92697	-0.04237	0.36098	0.050479
0.011625	0.80215	-0.00413	0.92912	-0.01906	0.68127	-0.00595	0.89788	0.004426
-0.0604	0.1926	-0.04789	0.30173	-0.07438	0.10844	-0.02222	0.63198	-0.0259
-0.00787	0.86525	0.003346	0.94251	0.000877	0.98492	0.004713	0.91909	-0.00646
0.188966	3.96E-05	0.034626	0.45537	0.061621	0.18374	0.019063	0.68115	0.038109
0.047926	0.30136	0.100214	0.03037	0.065191	0.15957	0.09821	0.03386	0.037758
0.055297	0.23299	0.036642	0.42954	0.043823	0.34469	0.020374	0.66055	-0.03238
0.120185	0.00933	0.05534	0.23263	0.071223	0.1243	0.056344	0.22425	-0.00107
0.026436	0.56878	0.158849	0.00057	0.086086	0.06306	0.158521	0.00059	0.313039
0.11532	0.01264	0.008547	0.85385	0.070566	0.12782	-0.02887	0.5337	0.085785
0.078447	0.09039	0.095121	0.0399	0.043157	0.35208	0.141549	0.00217	0.080331
0.107587	0.02004	0.117354	0.01115	0.129258	0.00515	0.092659	0.04536	0.173326
0.025956	0.57582	-0.00811	0.86124	0.027902	0.54753	-0.03424	0.46042	0.045004
0.093215	0.04407	0.026859	0.5626	0.063454	0.17102	-0.01153	0.80382	0.011712
0.130619	0.00469	0.03311	0.47536	0.033335	0.47236	0.028125	0.54433	0.03506
0.07692	0.09686	0.136544	0.00311	0.07637	0.09928	0.138202	0.00276	0.231175
-0.03982	0.39054	-0.2085	5.53E-06	-0.1305	0.00473	-0.20492	8.05E-06	-0.35466
-0.01937	0.6763	-0.02298	0.62033	-0.03591	0.43877	-0.00211	0.9637	-0.07208
0.035017	0.45029	0.026861	0.56257	-0.00393	0.93242	0.040771	0.37936	0.033658
0.027307	0.55611	0.088244	0.05671	0.049294	0.28776	0.120527	0.00913	0.077528
-0.00901	0.84598	-0.05515	0.23425	-0.03516	0.44844	-0.05704	0.21859	-0.11444
0.107767	0.01984	-0.01663	0.71997	0.055072	0.2349	-0.06903	0.13634	-0.00815
0.084936	0.06667	0.070244	0.12957	0.075671	0.10242	0.049891	0.28196	0.017156
0.069205	0.13536	0.031324	0.49951	0.027363	0.55529	0.020553	0.65776	0.078465
0.041908	0.3662	0.101102	0.02892	0.034772	0.45347	0.130328	0.00479	0.158119
0.123637	0.00747	0.185098	5.72E-05	0.117827	0.01082	0.184475	6.06E-05	0.332606
0.04978	0.28303	-0.01042	0.82235	0.013542	0.77038	-0.02562	0.58081	-0.04716
0.006579	0.88723	-0.04854	0.29521	-0.00079	0.98641	-0.07872	0.08928	-0.09384
0.068424	0.13983	-0.00233	0.95992	0.063101	0.17341	-0.0435	0.34829	-0.1227
0.033212	0.474	0.015199	0.74321	0.024108	0.60331	0.009717	0.83411	-0.00134
0.041714	0.36843	0.037749	0.41572	0.027064	0.55962	0.011874	0.79801	0.140055
0.042528	0.35915	0.06984	0.1318	0.02668	0.56521	0.09145	0.04826	0.092965
-0.03722	0.42232	-0.02755	0.55255	-0.03287	0.47861	-0.01718	0.71124	-0.03611
0.061127	0.18729	0.092908	0.04478	0.083916	0.07002	0.066716	0.15002	0.02617
0.023027	0.61965	0.05207	0.26144	0.049098	0.28969	0.056744	0.22097	0.010768
0.017789	0.70141	-0.01332	0.77403	0.005696	0.90229	-0.00657	0.88737	-0.05622
0.002929	0.94967	-0.00114	0.98036	-0.00328	0.94368	0.00037	0.99363	-0.03521
0.323266	8.05E-13	0.335859	8.91E-14	0.288543	2.09E-10	0.2762	1.27E-09	0.225295
0.035778	0.44051	0.06518	0.15964	0.054171	0.24266	0.054039	0.24381	0.091417
0.022617	0.6259	0.027185	0.55788	0.027381	0.55503	0.022739	0.62403	0.043749
0.126088	0.00636	0.111079	0.01633	0.170313	0.00022	0.044038	0.34233	0.048664
-0.07217	0.11939	-0.06356	0.17033	-0.09036	0.05101	-0.03101	0.5038	-0.06483

0.194095	2.41E-05	0.215482	2.61E-06	0.217248	2.15E-06	0.158121	0.0006	0.246088
0.155549	0.00074	0.000107	0.99817	0.012165	0.79318	0.006582	0.88719	-0.00643
-0.05121	0.26945	-0.02509	0.58869	-0.01978	0.66979	-0.02569	0.57971	0.019766
-0.00389	0.9331	-0.04517	0.33001	-0.03086	0.50592	-0.04716	0.30917	-0.09779
0.057068	0.21834	-0.09427	0.04172	-0.0147	0.75132	-0.12522	0.00674	-0.14861
0.032392	0.48499	0.02873	0.5357	0.008775	0.84999	0.042291	0.36184	0.04283
-0.00127	0.9781	0.021561	0.64211	0.044336	0.33907	0.015537	0.73772	0.015808
0.049027	0.29039	0.050532	0.27581	0.051139	0.27008	0.035485	0.44425	0.076054
0.136179	0.00319	0.090108	0.05166	0.180352	8.89E-05	-0.02439	0.5991	-0.06145
0.140518	0.00234	0.141185	0.00223	0.133694	0.0038	0.107396	0.02027	0.176824
0.097321	0.03551	-0.03087	0.50574	-0.00623	0.89312	-0.0157	0.73506	-0.07197
-0.06823	0.14097	-0.20823	5.69E-06	-0.1477	0.00137	-0.19259	2.79E-05	-0.35068
0.182381	7.37E-05	0.087565	0.05864	0.13523	0.00341	0.039197	0.39805	0.04513
0.186847	4.85E-05	0.245123	8.09E-08	0.130408	0.00476	0.286839	2.70E-10	0.268799
0.14912	0.00123	0.099352	0.03183	0.109365	0.01807	0.082497	0.07491	0.070838
0.092213	0.04641	0.097768	0.03467	0.154251	0.00082	0.011632	0.80205	-0.00852
0.103812	0.02487	-0.06525	0.1592	0.031124	0.50225	-0.08652	0.06174	-0.14406
0.098424	0.03347	0.068881	0.1372	0.120359	0.00923	0.019211	0.67881	-0.00908
0.044471	0.3376	-0.09032	0.0511	-0.02084	0.65331	-0.11805	0.01067	-0.19719
0.037016	0.42485	0.004695	0.91939	0.025245	0.58633	-0.00789	0.86505	-0.02459
0.15354	0.00087	0.06543	0.15805	0.074455	0.10807	0.07314	0.11447	0.01044
0.188557	4.12E-05	0.160223	0.00051	0.227891	6.45E-07	0.044038	0.34233	0.101545
0.031405	0.4984	0.054254	0.24193	0.044174	0.34084	0.07257	0.11732	0.035453
-0.08713	0.0599	-0.04275	0.35667	-0.01426	0.75858	-0.04735	0.30719	-0.05032
0.085065	0.06626	0.070401	0.12872	0.065278	0.15901	0.055313	0.23285	0.187462
0.0393	0.3968	0.005652	0.90304	0.018017	0.69776	-0.01047	0.82144	-0.03008
0.046576	0.31521	0.156633	0.00068	0.074619	0.1073	0.181215	8.21E-05	0.234585
-0.04538	0.3278	-0.00334	0.94254	-0.02029	0.66194	0.01142	0.80557	-0.02148
0.01351	0.7709	-0.04502	0.33168	-0.02637	0.56968	-0.0465	0.31603	-0.08815
-0.01445	0.75544	-0.03721	0.42237	0.016374	0.72415	-0.06294	0.17451	-0.06268
-0.07261	0.11713	-0.15933	0.00055	-0.10284	0.02626	-0.1475	0.00139	-0.3146
0.132022	0.00426	0.203653	9.18E-06	0.169203	0.00024	0.197144	1.78E-05	0.086482
0.040862	0.3783	0.033066	0.47595	0.035899	0.43895	0.023757	0.60859	-0.0049
0.00965	0.83523	-0.10356	0.02522	-0.0473	0.30769	-0.11725	0.01122	-0.19179
0.097292	0.03557	0.09526	0.03961	0.083179	0.07252	0.090654	0.05025	0.148982
0.153558	0.00087	0.104123	0.02444	0.083971	0.06984	0.096646	0.03681	0.091799
0.045029	0.33157	0.07176	0.12148	0.047512	0.30557	0.065784	0.1558	0.06875
-0.01627	0.72575	-0.04283	0.35578	-0.01001	0.82919	-0.06183	0.18222	-0.10433
0.057281	0.21663	0.119853	0.00953	0.079725	0.08525	0.10924	0.0182	0.084766
0.098146	0.03397	0.197033	1.80E-05	0.138296	0.00274	0.18123	8.20E-05	0.269837
-0.06123	0.18655	-0.05357	0.24792	-0.04864	0.29426	-0.05429	0.24163	-0.07888
-0.01574	0.7344	-0.0082	0.8597	-0.01803	0.69763	0.001866	0.96792	0.059145
0.149153	0.00123	0.07668	0.09791	0.060717	0.19026	0.096116	0.03786	0.219658
0.01049	0.82113	0.062025	0.18087	0.064792	0.16215	0.032161	0.48811	0.083096
-0.02951	0.5247	-0.13617	0.00319	-0.10791	0.01968	-0.11303	0.01453	-0.19493

0.175506	0.00014	0.100735	0.02951	0.074895	0.106	0.095992	0.03811	0.261614
0.013985	0.7631	0.022122	0.63347	0.001463	0.97485	0.031044	0.50335	0.02686
-0.08133	0.07913	-0.0359	0.43899	-0.02687	0.56247	-0.02533	0.58502	-0.06748
0.06117	0.18697	-0.04906	0.29007	0.009771	0.8332	-0.0749	0.10599	-0.08946
0.002985	0.94871	-0.03213	0.48851	0.028547	0.5383	-0.0746	0.10738	-0.03356
-0.02194	0.63622	-0.02506	0.58911	0.012998	0.77936	-0.06798	0.1424	-0.06434
0.100838	0.02934	0.049507	0.28568	0.075696	0.10231	0.036721	0.42854	0.046425
0.0787	0.08936	-0.00019	0.99671	0.030995	0.50402	-0.03177	0.49348	-0.08633
0.129768	0.00497	0.065378	0.15838	0.067535	0.14506	0.055273	0.2332	0.064467
0.012803	0.78259	0.016821	0.71693	0.00886	0.84857	0.023005	0.61999	0.005509
0.042519	0.35925	0.095907	0.03829	0.080529	0.08214	0.08759	0.05857	0.053075
0.078147	0.09164	0.083021	0.07307	0.069007	0.13648	0.086917	0.06054	0.074823
0.012365	0.78985	-0.06156	0.1842	-0.03543	0.44502	-0.04975	0.28336	-0.0428
0.006208	0.89356	-0.07257	0.11733	-0.05192	0.26286	-0.06369	0.16941	-0.05379
0.033513	0.47	-0.03101	0.50382	0.017523	0.70566	-0.02579	0.57832	-0.03051
0.177218	0.00012	0.128146	0.00555	0.159119	0.00056	0.082054	0.07649	0.031204
0.069321	0.1347	0.04736	0.30712	0.026239	0.57166	0.067007	0.14824	0.07365
0.096666	0.03677	0.023449	0.61325	0.041786	0.3676	0.027092	0.55922	-0.00338
-0.07805	0.09203	-0.06402	0.16723	-0.06202	0.18089	-0.03349	0.47036	-0.08697
-0.08855	0.05584	-0.12449	0.00707	-0.07234	0.11848	-0.12964	0.00502	-0.10048
-0.05645	0.22335	-0.07697	0.09664	-0.06425	0.16569	-0.06192	0.18164	-0.09482
0.078788	0.089	0.059734	0.19756	0.074857	0.10618	0.027163	0.55819	0.021205
0.292011	1.24E-10	0.309271	8.27E-12	0.291532	1.33E-10	0.243546	9.85E-08	0.162214
-0.01535	0.74075	-0.00728	0.8753	-0.00641	0.89004	-0.00825	0.85891	-0.00505
0.018286	0.69347	0.079574	0.08585	0.028541	0.53838	0.112425	0.01507	0.063477
0.029633	0.52296	0.041935	0.36589	0.026702	0.56489	0.049109	0.28957	0.117092
0.093304	0.04387	0.047555	0.30513	0.040291	0.385	0.056132	0.226	0.05186
-0.12551	0.00661	-0.145	0.00168	-0.10214	0.0273	-0.15486	0.00079	-0.24942
-0.07213	0.11956	-0.05016	0.2794	-0.04654	0.31553	-0.03027	0.51403	-0.07696
0.035082	0.44945	-0.0972	0.03575	0.016751	0.71806	-0.16342	0.00039	-0.23579
-0.04817	0.29889	-0.02051	0.65842	-0.03277	0.47996	-0.01821	0.69469	0.081971
0.038148	0.4108	0.025948	0.57593	0.032478	0.48382	-0.01266	0.78502	0.04315
0.106223	0.02168	0.04946	0.28614	0.042277	0.36199	0.044439	0.33794	0.012075
-0.01073	0.81715	0.04673	0.31361	-0.00233	0.95992	0.040667	0.38057	0.140399
0.009201	0.84281	0.137657	0.00287	0.049343	0.28728	0.164114	0.00037	0.243703
0.000755	0.98701	-0.01486	0.7488	0.00851	0.85447	-0.03235	0.48561	-0.04447
-0.01574	0.73439	0.034119	0.462	0.018709	0.68675	0.0288	0.5347	0.16285
0.085095	0.06616	0.132217	0.00421	0.094441	0.04135	0.122331	0.00813	0.184175
-0.0028	0.95192	0.036	0.43767	0.008203	0.85968	0.051975	0.26232	0.140292
-0.09864	0.03308	-0.08582	0.06387	-0.07461	0.10735	-0.07794	0.0925	-0.09862
0.138326	0.00274	0.112264	0.01521	0.100768	0.02946	0.088375	0.05634	0.098649
-0.04747	0.30598	-0.0711	0.12496	-0.03172	0.49404	-0.08324	0.07232	-0.1599
-0.03862	0.40502	-0.11476	0.01308	-0.03215	0.48829	-0.15473	0.00079	-0.2253
-0.02227	0.63119	0.001414	0.97568	-0.01561	0.73658	-0.00606	0.89613	0.002711
0.092253	0.04631	0.040053	0.38781	0.093493	0.04344	-0.01397	0.7633	0.013013

0.012876	0.78139	0.04596	0.32165	0.048806	0.29257	0.002718	0.95329	0.002682
-0.09068	0.05017	-0.06651	0.15126	-0.0676	0.14464	-0.0539	0.245	-0.06743
0.044822	0.3338	0.098186	0.0339	0.06322	0.1726	0.096943	0.03623	0.253403
0.031507	0.497	0.209128	5.17E-06	0.099426	0.0317	0.23826	1.89E-07	0.174843
0.079072	0.08785	0.112122	0.01534	0.06431	0.1653	0.113525	0.0141	0.215919
-0.05052	0.2759	-0.06229	0.17899	-0.0364	0.43255	-0.04769	0.30375	-0.11224
0.042106	0.36394	0.085587	0.06461	0.064566	0.16362	0.075633	0.1026	0.231791
-0.06808	0.14185	-0.16003	0.00052	-0.05869	0.20549	-0.21697	2.22E-06	-0.33518
0.124348	0.00714	-0.0173	0.70921	0.059844	0.19672	-0.05815	0.20974	-0.07454
-0.06757	0.14486	-0.21073	4.36E-06	-0.14515	0.00166	-0.22136	1.36E-06	-0.26649
0.073075	0.11479	0.143705	0.00185	0.076045	0.10073	0.153887	0.00085	0.157459
0.187624	4.50E-05	0.148572	0.00128	0.167759	0.00027	0.095275	0.03958	0.105918
-0.02271	0.62446	0.010585	0.81954	-0.0083	0.85795	0.015341	0.7409	-0.06245
0.063792	0.16874	0.027174	0.55803	0.0441	0.34164	0.020823	0.65356	0.082391
0.22035	1.52E-06	0.363187	5.23E-16	0.351407	5.09E-15	0.236695	2.28E-07	0.26875
0.108593	0.01891	0.056987	0.219	0.106247	0.02165	0.037322	0.42102	0.039232
0.051017	0.27123	0.04788	0.30183	0.054924	0.23617	0.04394	0.3434	0.09532
0.034827	0.45275	0.016441	0.72307	0.011538	0.80361	0.025003	0.58992	0.005975
-0.05443	0.24039	-0.07783	0.09297	-0.04244	0.36018	-0.07609	0.10054	-0.11419
0.05837	0.208	0.096255	0.03759	0.071547	0.12259	0.074002	0.11024	0.05093
0.102245	0.02715	0.039069	0.39959	0.070088	0.13043	0.012955	0.78008	-0.02535
-0.00994	0.83039	0.003057	0.94747	0.005655	0.90299	-0.01157	0.80305	0.102671
-0.03067	0.50851	-0.09657	0.03696	-0.03473	0.45399	-0.12232	0.00814	-0.21668
-0.10879	0.01869	-0.12775	0.0057	-0.03984	0.39039	-0.17595	0.00013	-0.21547
-0.00188	0.96775	0.029133	0.53	0.023416	0.61375	0.016807	0.71716	0.262626
0.009309	0.84099	0.0047	0.91931	0.003072	0.94722	0.003359	0.94229	0.012011
0.016372	0.72419	0.041391	0.37215	0.041597	0.36978	0.040892	0.37795	0.122628
0.040604	0.38132	0.070091	0.13041	0.046853	0.31233	0.067579	0.1448	0.029523
-0.04563	0.32517	0.083491	0.07146	0.025978	0.5755	0.087542	0.05871	0.107881
-0.02736	0.55535	-0.02701	0.56043	-0.01849	0.6903	-0.01975	0.6704	-0.0686
-0.095	0.04016	0.011709	0.80075	-0.04233	0.36142	0.041138	0.37509	0.075361
0.008523	0.85426	-0.06447	0.16425	-0.01934	0.67674	-0.07715	0.09587	-0.08441
0.059409	0.20001	0.076722	0.09773	0.047634	0.30432	0.082187	0.07601	0.124834
0.184913	5.82E-05	0.148065	0.00133	0.119927	0.00949	0.13665	0.00309	0.151894
0.049636	0.28443	0.141425	0.00219	0.101057	0.02899	0.140998	0.00226	0.137706
0.259548	1.26E-08	0.329966	2.53E-13	0.30892	8.76E-12	0.228264	6.18E-07	0.268709
0.138771	0.00265	0.179845	9.31E-05	0.135214	0.00342	0.179503	9.60E-05	0.210552
0.088899	0.05489	0.134838	0.00351	0.119606	0.00968	0.094131	0.04203	0.070147
-0.01088	0.81458	0.013221	0.77568	0.025627	0.58067	0.017286	0.70947	-0.00118
0.170336	0.00022	0.176975	0.00012	0.18409	6.29E-05	0.092617	0.04546	0.093822
0.127195	0.00591	0.075547	0.10299	0.152727	0.00093	-0.01093	0.81376	-0.02871
-0.03297	0.47716	0.082771	0.07394	0.017333	0.7087	0.092951	0.04468	0.104714
0.005178	0.91113	0.04917	0.28898	0.023391	0.61412	0.073491	0.11273	0.114397
0.068313	0.14048	0.201497	1.14E-05	0.146576	0.00149	0.171832	0.00019	0.339036
0.004684	0.91959	-0.03398	0.46379	-0.00846	0.85524	-0.01585	0.73268	-0.07304

0.050352	0.27753	0.158326	0.00059	0.07594	0.1012	0.18713	4.72E-05	0.222761
-0.01954	0.67355	0.025978	0.57549	0.016329	0.72488	0.020722	0.65513	0.169009
-0.04934	0.28734	-0.01942	0.67555	-0.01598	0.7305	-0.01917	0.67947	0.035884
-0.00848	0.85492	0.036506	0.43126	0.01113	0.81042	0.04948	0.28595	-0.00495
0.095671	0.03876	0.071789	0.12133	0.127306	0.00587	0.001562	0.97314	0.003039
-0.09198	0.04696	-0.03748	0.41899	-0.05601	0.22704	-0.02074	0.65487	-0.03981
-0.04502	0.3317	-0.02495	0.59066	-0.03253	0.48319	-0.02342	0.61364	-0.04688
0.134287	0.00364	0.098416	0.03348	0.098108	0.03404	0.053196	0.25126	0.100437
0.007403	0.87323	0.070141	0.13014	0.030356	0.51286	0.075358	0.10385	0.142481
-0.06453	0.16383	-0.12768	0.00573	-0.06856	0.13902	-0.15882	0.00057	-0.21354
0.013668	0.7683	0.064821	0.16196	0.023694	0.60954	0.048209	0.29852	0.128276
0.004004	0.93123	0.079232	0.08721	0.015646	0.73595	0.097381	0.0354	0.111402
-0.01251	0.7875	0.00362	0.9378	0.004545	0.92196	-0.0113	0.80759	0.057201
-0.10767	0.01995	-0.06285	0.17512	-0.06663	0.15051	-0.04261	0.35818	-0.06317
0.180917	8.44E-05	0.105987	0.02198	0.12831	0.00549	0.075828	0.10171	0.124256
-0.00576	0.90124	-0.09154	0.04805	-0.03875	0.40351	-0.12065	0.00906	-0.23061
0.111371	0.01605	0.145774	0.00158	0.1222	0.0082	0.173031	0.00017	0.079068
0.134675	0.00355	0.07894	0.08838	0.096398	0.0373	0.054053	0.24369	0.028343
0.058364	0.20805	0.026463	0.56838	0.039977	0.38872	0.020621	0.6567	-0.02026
0.050218	0.27881	0.01912	0.68026	0.013179	0.77637	0.028567	0.53803	0.028364
0.004519	0.92241	0.00847	0.85514	0.012578	0.78631	0.008273	0.85849	0.159051
0.057229	0.21704	0.031754	0.49363	0.006654	0.88596	0.039832	0.39044	0.075002
0.077664	0.09367	0.017363	0.70823	0.026089	0.57386	0.002532	0.95648	0.008886
-0.03652	0.43111	-0.11881	0.01018	-0.0499	0.2819	-0.13049	0.00474	-0.19864
0.042498	0.35948	0.061692	0.18323	0.096566	0.03697	0.022965	0.62059	0.030757
-0.00019	0.9967	-0.1447	0.00172	-0.06107	0.1877	-0.16468	0.00035	-0.20397
-0.06912	0.13581	-0.16691	0.00029	-0.07046	0.12841	-0.19066	3.37E-05	-0.2729
-0.06076	0.18994	-0.19237	2.85E-05	-0.11086	0.01655	-0.21149	4.02E-06	-0.2604
-0.00174	0.97007	0.038586	0.40546	0.020971	0.65125	0.026284	0.571	0.095599
0.051492	0.26678	0.065013	0.16072	0.06662	0.1506	0.037208	0.42244	0.027682
0.092773	0.04509	0.080346	0.08284	0.05348	0.24873	0.080096	0.0838	0.07659
-0.01882	0.68498	0.084497	0.0681	0.039997	0.38848	0.107108	0.02061	0.242373
0.206377	6.91E-06	0.190906	3.29E-05	0.184883	5.84E-05	0.139877	0.00245	0.05633
0.152884	0.00092	0.153744	0.00086	0.157415	0.00064	0.106147	0.02178	0.070194
0.170164	0.00022	0.162536	0.00042	0.149711	0.00117	0.118811	0.01018	0.176
0.140671	0.00231	0.084943	0.06665	0.109904	0.01751	0.051337	0.26823	0.030995
0.294442	8.57E-11	0.248648	5.19E-08	0.286142	2.99E-10	0.144344	0.00176	0.298582
0.08702	0.06024	-0.01091	0.81414	0.036979	0.4253	-0.05337	0.24971	-0.07329
0.05404	0.2438	0.019588	0.67287	0.018979	0.68248	0.010844	0.81521	0.066951
0.028108	0.54457	-0.17442	0.00015	-0.06985	0.13173	-0.20031	1.29E-05	-0.31311
0.21224	3.71E-06	0.266241	5.10E-09	0.197867	1.65E-05	0.26346	7.44E-09	0.306193
0.270701	2.75E-09	0.184142	6.26E-05	0.263395	7.51E-09	0.078518	0.0901	0.051997
0.06003	0.19534	0.008847	0.84877	0.048645	0.29417	-0.01347	0.77154	-0.04703
-0.01051	0.82075	0.003467	0.94044	-0.0344	0.45835	0.043453	0.34878	0.117299
0.008764	0.85019	-0.03593	0.4386	-0.04911	0.28954	-0.02657	0.56687	-0.05928

0.061394	0.18536	0.098103	0.03405	0.088058	0.05723	0.103822	0.02485	0.164544
-0.00977	0.83317	-0.00522	0.91041	-0.00392	0.9326	0.005302	0.90902	-0.00701
-0.00653	0.88813	-0.00629	0.89224	-0.0142	0.75959	-0.00471	0.91922	-0.00902
-0.06626	0.1528	-0.05044	0.2767	-0.07591	0.10134	-0.01402	0.76259	-0.23039
0.118776	0.0102	0.062125	0.18017	0.091316	0.04859	0.036304	0.4338	0.027953
0.034116	0.46204	0.011521	0.80389	-0.00164	0.97184	0.038796	0.4029	-0.00692
0.006212	0.8935	0.018758	0.68598	0.030661	0.50863	-0.00953	0.83731	0.025448
-0.03035	0.51293	0.023197	0.61706	-0.01743	0.70721	0.052859	0.25428	0.132549
-0.11328	0.01431	-0.1712	0.0002	-0.09899	0.03246	-0.18373	6.50E-05	-0.22469
-0.03281	0.47943	0.01198	0.79625	-0.01348	0.77142	0.034652	0.45504	0.042816
-0.02306	0.61912	-0.05344	0.24912	-0.0342	0.46089	-0.05762	0.21389	-0.09712
0.30256	2.42E-11	0.230594	4.71E-07	0.326794	4.39E-13	0.11445	0.01333	0.021213
-0.042	0.36512	-0.01889	0.68388	-0.02767	0.5509	-0.03193	0.49129	0.031707
0.152085	0.00098	0.154835	0.00079	0.21006	4.68E-06	0.031726	0.49402	0.107248
0.077048	0.09631	0.250567	4.06E-08	0.11422	0.01352	0.309575	7.88E-12	0.197218
0.241061	1.34E-07	0.121868	0.00838	0.129884	0.00494	0.101975	0.02756	0.110133
-0.05645	0.22334	-0.1206	0.00909	-0.05983	0.19684	-0.14534	0.00164	-0.159
0.133979	0.00372	0.056024	0.22689	0.042521	0.35923	0.071647	0.12207	0.022768
0.017976	0.69842	-0.00357	0.93873	0.016462	0.72272	-0.03288	0.47838	-0.03986
-0.04427	0.33979	-0.05362	0.24746	-0.0479	0.30163	-0.02062	0.65672	-0.01737
0.018332	0.69275	0.017789	0.70141	0.015964	0.73078	0.024916	0.59121	0.074005
0.036064	0.43686	0.007382	0.87359	0.027913	0.54738	0.003871	0.93352	0.010059
0.112715	0.01481	-0.01514	0.74418	0.071347	0.12364	-0.08328	0.07219	0.01497
0.075555	0.10295	0.109808	0.01761	0.088046	0.05726	0.116047	0.01209	0.179864
-0.00703	0.87957	-0.03738	0.42033	-0.02203	0.63487	-0.05549	0.23139	0.073387
-0.06319	0.17283	-0.08475	0.06726	-0.07135	0.12364	-0.07516	0.10476	-0.16052
-0.09049	0.05066	-0.07478	0.10652	-0.03431	0.45951	-0.09831	0.03367	-0.15435
0.025644	0.58041	0.072688	0.11673	0.042401	0.36058	0.067845	0.14322	0.159453
-0.0051	0.91256	-0.01085	0.81514	0.006568	0.88743	-0.00885	0.84877	-0.01668
0.064149	0.16636	0.118007	0.0107	0.074083	0.10985	0.130849	0.00462	0.142615
-0.02345	0.61328	0.044581	0.3364	0.030329	0.51323	0.026084	0.57394	0.137995
0.02097	0.65127	-0.03563	0.44237	0.005998	0.89714	-0.05106	0.2708	-0.10559
-0.02232	0.63044	-0.15311	0.0009	-0.0824	0.07525	-0.1705	0.00021	-0.26762
-0.01598	0.73058	-0.07513	0.10489	-0.03891	0.40157	-0.08196	0.07682	-0.13056
-0.02709	0.55923	0.054409	0.24059	0.007579	0.87025	0.052621	0.25642	0.112057
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0.044324	0.3392	-0.04693	0.31153	0.028018	0.54587	-0.09613	0.03784	-0.18606
0.00938	0.83979	-0.16139	0.00046	-0.06862	0.13872	-0.18999	3.59E-05	-0.31779
0.054414	0.24055	0.109218	0.01823	0.106481	0.02137	0.075712	0.10223	0.045193
0.071463	0.12303	0.117543	0.01102	0.112846	0.01469	0.080165	0.08354	0.053312
0.036646	0.42949	0.083103	0.07279	0.034397	0.45836	0.091175	0.04894	0.116612
-0.14462	0.00173	-0.24062	1.41E-07	-0.12515	0.00677	-0.27261	2.11E-09	-0.33024
-0.08625	0.06256	-0.15045	0.00111	-0.06469	0.1628	-0.17332	0.00017	-0.25842
-0.02415	0.60271	0.044894	0.33301	0.011247	0.80846	0.049208	0.2886	0.19221
0.050899	0.27234	0.140435	0.00235	0.078712	0.08931	0.149148	0.00123	0.151179

-0.14682	0.00146	-0.1679	0.00027	-0.15261	0.00094	-0.15922	0.00055	-0.20569
0.196317	1.93E-05	0.054278	0.24173	0.099548	0.03149	0.018584	0.68874	-0.03462
0.192255	2.88E-05	0.157419	0.00064	0.216365	2.37E-06	0.057198	0.21729	0.126007
0.161351	0.00046	0.132541	0.00411	0.094933	0.0403	0.138723	0.00266	0.064358
0.192819	2.73E-05	0.120131	0.00936	0.157909	0.00062	0.048111	0.2995	0.208363
0.116516	0.01174	0.133785	0.00377	0.095776	0.03855	0.119936	0.00948	0.16654
0.237902	1.97E-07	0.090198	0.05142	0.144071	0.0018	0.026636	0.56585	0.1671
0.035609	0.44267	0.019601	0.67267	0.010141	0.82698	0.016936	0.71508	0.027124
-0.00944	0.83872	0.002817	0.95159	-0.00118	0.97976	-0.00455	0.92185	-0.00288
0.042849	0.35553	0.020663	0.65605	0.01202	0.79558	0.016805	0.7172	0.035698
0.186392	5.06E-05	0.182756	7.12E-05	0.264201	6.73E-09	0.04566	0.32483	0.148784
0.081452	0.07868	0.037986	0.4128	0.058864	0.20417	0.046623	0.31472	0.002383
0.097494	0.03518	0.170037	0.00022	0.123023	0.00778	0.168812	0.00025	0.102232
0.026798	0.56349	0.082823	0.07376	0.047656	0.3041	0.09742	0.03532	0.148551
0.077394	0.09482	0.099905	0.03088	0.115257	0.01269	0.045315	0.3285	0.160045
0.016927	0.71523	0.030853	0.50598	0.011894	0.79768	0.038946	0.40108	0.139756
0.04846	0.29601	0.088104	0.0571	0.102228	0.02717	0.047539	0.3053	0.094002
0.115791	0.01228	0.119439	0.00978	0.095774	0.03856	0.098477	0.03337	0.252576
0.04915	0.28917	0.081364	0.079	0.076477	0.09881	0.069411	0.13419	0.046247
-0.00918	0.84308	0.0538	0.24591	-0.01002	0.82904	0.088819	0.05511	0.113422
0.041837	0.36702	-0.11655	0.01172	0.001658	0.9715	-0.17253	0.00018	-0.20112
0.214001	3.07E-06	0.149892	0.00116	0.176914	0.00012	0.096016	0.03806	0.078227
0.323732	7.44E-13	0.195433	2.11E-05	0.273677	1.82E-09	0.066496	0.15137	0.070892
0.061951	0.18139	-0.02697	0.56097	-0.01353	0.77063	-0.01246	0.78823	-0.04625
0.057784	0.21261	0.137017	0.00301	0.076217	0.09996	0.15428	0.00082	0.238858
0.054101	0.24327	0.034937	0.45133	0.061238	0.18648	0.007327	0.87452	0.084608
0.266407	4.98E-09	0.346533	1.27E-14	0.314345	3.61E-12	0.265552	5.60E-09	0.317418
0.020521	0.65825	-0.02524	0.58633	-0.01803	0.69762	-0.03599	0.43774	-0.05162
0.044285	0.33963	0.039332	0.39642	0.071738	0.1216	-0.00178	0.96938	0.002694
0.131156	0.00453	0.042277	0.36199	0.074048	0.11002	-0.0011	0.98113	0.079976
0.167063	0.00029	0.088982	0.05466	0.128341	0.00548	0.03624	0.43462	0.0415
0.144417	0.00175	0.092922	0.04475	0.103901	0.02474	0.081422	0.07879	0.071362
0.160833	0.00048	0.128802	0.00531	0.173226	0.00017	0.053912	0.24492	-0.00839
0.116547	0.01172	0.02504	0.58937	0.024579	0.59625	0.033474	0.47052	0.000274
-0.00136	0.97659	-0.03361	0.46872	-0.01791	0.69947	-0.03463	0.45531	-0.03964
0.01062	0.81895	0.026909	0.56188	0.031624	0.4954	0.013956	0.76358	-0.0033
0.065735	0.15611	0.073997	0.11027	0.01674	0.71824	0.105655	0.0224	0.187784
-0.10503	0.02321	-0.0438	0.34498	-0.05147	0.267	-0.01947	0.67473	-0.07069
-0.01178	0.79956	-0.03334	0.47226	0.007667	0.86876	-0.05725	0.21689	-0.11161
0.120594	0.00909	0.144202	0.00178	0.120988	0.00887	0.157315	0.00065	0.121161
0.056872	0.21993	0.071092	0.125	0.052428	0.25818	0.07451	0.10781	0.08318
-0.13469	0.00354	-0.09111	0.0491	-0.0985	0.03333	-0.07711	0.09602	-0.12086
-0.0671	0.14767	-0.08949	0.05329	-0.06535	0.15858	-0.07404	0.11008	-0.16215
0.128559	0.0054	0.192675	2.77E-05	0.137494	0.00291	0.186005	5.25E-05	0.19071
0.074387	0.1084	0.008628	0.85247	0.004126	0.92915	0.024067	0.60392	-0.02608



-0.0092	0.84289	-0.00756	0.87059	-0.00358	0.93849	-0.00369	0.93657	-0.00132
-0.01782	0.7009	-0.01047	0.82141	-0.00907	0.84496	-0.01095	0.8134	-0.01863
0.022831	0.62263	0.062535	0.17731	0.039299	0.39682	0.0937	0.04298	0.059745
0.045134	0.33043	0.046824	0.31263	0.040993	0.37677	0.033472	0.47054	0.251308
0.067442	0.14562	-0.12617	0.00633	-0.02533	0.58502	-0.18052	8.75E-05	-0.25381
0.097098	0.03594	0.031911	0.4915	0.059552	0.19892	-0.0033	0.94324	0.092527
0.088666	0.05553	0.153875	0.00085	0.112575	0.01493	0.134996	0.00347	0.271728
0.103916	0.02472	0.216535	2.32E-06	0.156084	0.00071	0.198313	1.58E-05	0.325714
-0.00608	0.8958	-0.0114	0.80593	-0.00804	0.86243	-0.002	0.96564	-0.02158
0.0494	0.28672	0.036949	0.42568	0.05552	0.23111	0.01103	0.8121	0.041588
0.062958	0.17439	0.053501	0.24854	0.067884	0.14299	0.035553	0.44339	0.00811
0.065489	0.15767	0.070902	0.12601	0.03778	0.41534	0.08681	0.06086	0.167738
0.053923	0.24482	0.003502	0.93984	0.015699	0.73508	-0.01555	0.73751	0.017793
0.029469	0.52525	-0.06153	0.18439	-0.03166	0.49488	-0.06769	0.14412	-0.13393
-0.05608	0.2264	-0.12822	0.00552	-0.02208	0.63406	-0.17748	0.00012	-0.2375
-0.10387	0.02478	-0.13905	0.0026	-0.11528	0.01267	-0.10213	0.02733	-0.24056
-0.058	0.21091	-0.13927	0.00256	-0.07406	0.10996	-0.1585	0.00059	-0.08865
0.014384	0.75654	0.092152	0.04655	0.060597	0.19114	0.098966	0.0325	0.029846
-0.00946	0.83836	-0.00757	0.87041	-0.00503	0.9136	-0.0067	0.88511	-0.00872
-0.00851	0.85449	-0.00294	0.94943	0.000199	0.99657	-0.00672	0.8848	-0.00925
-0.02635	0.5701	-0.02027	0.66221	-0.01999	0.66657	-0.02189	0.637	-0.07484
0.045057	0.33127	0.029726	0.52166	0.015637	0.73609	0.03527	0.44702	0.076153
0.035857	0.43949	0.002787	0.95211	0.009226	0.84238	0.018094	0.69653	0.023112
0.062626	0.17668	0.101216	0.02874	0.101539	0.02823	0.06739	0.14593	0.065948
0.011029	0.81211	0.010022	0.82899	0.011117	0.81063	0.021011	0.65063	0.045373
0.046826	0.31261	0.001252	0.97848	0.037803	0.41506	-0.03027	0.51406	-0.02709
-0.15151	0.00102	-0.12425	0.00718	-0.10117	0.02881	-0.13018	0.00484	-0.20468
0.0474	0.30671	0.00504	0.9135	0.037434	0.41962	-0.0127	0.78436	-0.06832
-0.04913	0.2894	0.036536	0.43087	0.010573	0.81975	0.018098	0.69647	0.06149
0.018889	0.68391	0.00603	0.8966	0.013509	0.77093	0.008298	0.85806	0.049483
-0.10917	0.01828	0.012257	0.79165	-0.0253	0.58551	0.028949	0.5326	0.030519
0.271943	2.32E-09	0.112211	0.01526	0.157264	0.00065	0.056215	0.22531	0.023619
-0.08982	0.05241	-0.09309	0.04435	-0.09173	0.04758	-0.07558	0.10286	-0.18348
0.037313	0.42113	-0.02628	0.57106	0.004535	0.92213	-0.05271	0.25564	-0.07942
0.014552	0.75379	-0.13001	0.00489	-0.05978	0.19721	-0.14216	0.00207	-0.21453
0.078136	0.09168	-0.01475	0.75057	0.014345	0.75719	-0.03754	0.41835	0.010618
0.070883	0.12611	0.055184	0.23395	0.048152	0.29909	0.027633	0.55139	0.108222
0.023906	0.60634	0.055353	0.23252	0.053888	0.24513	0.030056	0.51703	0.105408
0.003072	0.94722	0.052901	0.2539	0.030309	0.51351	0.046609	0.31486	0.083381
0.262499	8.47E-09	0.257525	1.64E-08	0.294552	8.42E-11	0.139258	0.00256	0.095975
0.017342	0.70856	0.063477	0.17086	0.037784	0.41529	0.074686	0.10698	0.051648
0.034528	0.45665	0.05699	0.21898	0.048078	0.29983	0.053677	0.24699	0.021268
0.132527	0.00412	0.055266	0.23325	0.077801	0.09309	0.046279	0.3183	0.002297
0.058996	0.20316	0.07952	0.08606	0.032532	0.4831	0.112188	0.01528	0.104368
0.080854	0.08091	0.126926	0.00602	0.078185	0.09148	0.141671	0.00215	0.098434

0.110007	0.0174	0.124519	0.00706	0.122279	0.00816	0.101114	0.0289	0.04774
-0.00516	0.91145	0.059189	0.20168	0.028305	0.54175	0.052171	0.26052	0.065022
0.144984	0.00168	0.067823	0.14335	0.116222	0.01196	0.009163	0.84345	0.005618
-0.08548	0.06494	-0.12851	0.00542	-0.11863	0.0103	-0.09733	0.0355	-0.05218
0.054767	0.23751	-0.04197	0.3655	-0.03445	0.45769	-0.03448	0.45728	-0.12391
0.006736	0.88457	-0.00855	0.85384	0.004136	0.92898	-0.01614	0.72787	0.04063
-0.03821	0.41007	-0.00429	0.92632	-0.01341	0.77248	-0.00922	0.84246	0.076791
0.031158	0.50178	-0.01882	0.68503	0.013129	0.77721	-0.05163	0.26552	0.027295
0.063806	0.16865	0.043509	0.34816	0.050104	0.2799	0.036609	0.42996	0.086483
0.088051	0.05725	0.070806	0.12652	0.101763	0.02788	0.008545	0.85389	0.01347
0.128164	0.00554	0.052318	0.25917	0.120308	0.00926	-0.01548	0.73864	-0.01003
-0.09053	0.05057	-0.04094	0.37741	-0.07315	0.11439	-0.02082	0.65358	-0.00228
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0.080029	0.08406	0.077793	0.09312	0.049949	0.2814	0.084913	0.06675	0.063009
0.067378	0.146	-0.03081	0.50651	-0.02165	0.64077	-0.02249	0.62783	-0.01982
0.069246	0.13512	0.039067	0.39961	0.051606	0.26572	0.016751	0.71806	0.053289
0.066272	0.15275	0.093015	0.04453	0.084223	0.069	0.048429	0.29632	0.028738
0.051855	0.26342	-0.01744	0.70705	-0.00522	0.91037	-0.00734	0.87433	0.020917
0.087001	0.06029	0.096918	0.03628	0.104707	0.02364	0.052122	0.26096	0.048259
0.055756	0.22913	0.002981	0.94878	0.035821	0.43995	-0.03185	0.49227	-0.02712
0.137537	0.0029	0.125927	0.00643	0.144101	0.0018	0.067501	0.14527	0.086455
0.018744	0.68621	-0.00624	0.89294	0.030249	0.51435	-0.0249	0.59147	-0.03729
0.077569	0.09407	0.034747	0.4538	0.073129	0.11452	-0.00122	0.97896	-0.01863
0.056113	0.22616	0.001999	0.96563	0.007407	0.87316	-0.0031	0.9468	0.024316
-0.01594	0.73122	-0.03434	0.45912	-0.01128	0.80793	-0.03764	0.41709	-0.06348
0.077873	0.09278	0.093367	0.04373	0.052337	0.259	0.090113	0.05164	0.190976
0.019508	0.67413	0.010832	0.8154	0.024397	0.59897	0.00368	0.93678	-0.01039
0.135922	0.00325	0.053281	0.2505	0.075249	0.10435	0.019024	0.68177	0.096704
0.048563	0.29498	0.028654	0.53678	0.017598	0.70445	0.038329	0.40859	0.08016
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0.018629	0.68802	0.033155	0.47476	0.028176	0.5436	0.035963	0.43814	0.138132
0.084548	0.06793	0.085514	0.06483	0.053082	0.25228	0.105146	0.02306	0.04906
0.056389	0.22388	0.089659	0.05284	0.05455	0.23937	0.106653	0.02116	0.077729
0.065337	0.15864	0.048326	0.29735	0.056709	0.22126	0.038585	0.40547	0.084547
0.033961	0.46408	0.053844	0.24552	0.022145	0.63312	0.08045	0.08244	0.106652
0.079432	0.08641	0.075349	0.1039	0.091137	0.04903	0.055995	0.22714	0.065784
0.006495	0.88867	0.126417	0.00623	0.02766	0.551	0.168331	0.00026	0.240795
0.051623	0.26556	0.112154	0.01532	0.089611	0.05296	0.086476	0.06187	0.130938
0.052444	0.25803	0.056552	0.22254	0.054339	0.2412	0.066384	0.15206	0.144564
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0.169008	0.00024	0.221933	1.27E-06	0.154358	0.00082	0.211891	3.85E-06	0.253924
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-0.08676	0.061	-0.0577	0.21329	-0.06533	0.15868	-0.04352	0.34809	-0.03871
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0.00665	0.88604	0.002453	0.95783	0.016975	0.71446	-0.01606	0.72927	0.063072
0.294534	8.44E-11	0.362511	5.98E-16	0.34256	2.65E-14	0.281303	6.09E-10	0.312988
0.087552	0.05868	0.02164	0.6409	0.072459	0.11788	-0.01003	0.82877	0.070623
0.059372	0.20029	0.04128	0.37343	0.053329	0.25007	-0.006	0.89714	0.110327
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0.027056	0.55974	0.082065	0.07645	0.040745	0.37967	0.104772	0.02355	0.080496
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0.174149	0.00016	0.013547	0.77029	0.092029	0.04685	-0.05412	0.24308	-0.03289
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0.144598	0.00173	0.150747	0.00108	0.128743	0.00533	0.121442	0.00861	0.219628
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0.029513	0.52464	-0.04649	0.31613	-0.01002	0.82905	-0.05796	0.21121	-0.04138
0.019145	0.67985	0.022763	0.62366	0.035695	0.44157	0.002331	0.95993	0.050268
0.080599	0.08187	0.019987	0.6666	0.024862	0.59201	0.017197	0.71089	-0.01985
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0.056547	0.22258	0.075482	0.10329	0.046997	0.31084	0.085755	0.06408	0.249884
0.006782	0.88379	-0.03134	0.49926	-0.0032	0.94508	-0.04961	0.28465	-0.02818
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0.07495	0.10574	0.039988	0.38859	0.028967	0.53234	0.038239	0.40969	0.089568
0.107351	0.02032	0.042161	0.36331	0.062602	0.17685	0.01772	0.70251	0.019087
0.067736	0.14386	0.204055	8.80E-06	0.106892	0.02087	0.233727	3.25E-07	0.278723
0.036147	0.4358	-0.09531	0.0395	-0.04866	0.29397	-0.11202	0.01544	-0.0617
0.113738	0.01392	0.075328	0.10399	0.051906	0.26295	0.077446	0.09459	0.023346
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0.033196	0.47421	0.115055	0.01285	0.065435	0.15801	0.14422	0.00178	0.094726
0.137217	0.00296	0.212717	3.52E-06	0.115942	0.01217	0.227337	6.88E-07	0.21102
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0.01779	0.7014	0.04065	0.38077	0.025382	0.58429	0.039827	0.3905	0.141601
0.061517	0.18448	0.060844	0.18934	0.072037	0.12005	0.026165	0.57274	0.185288
0.152337	0.00096	-0.02867	0.53656	0.029231	0.52861	-0.05968	0.19799	-0.13234
0.159759	0.00053	0.142352	0.00204	0.147773	0.00136	0.08268	0.07426	0.143454
0.063781	0.16881	0.037507	0.41872	0.058924	0.20371	0.017023	0.71368	0.058099
0.148767	0.00126	0.159043	0.00056	0.124312	0.00715	0.152256	0.00096	0.247336
0.046876	0.31209	0.034365	0.45878	0.050818	0.2731	0.011252	0.80838	0.091892
-0.0504	0.27707	-0.03794	0.4133	-0.07114	0.12476	0.002612	0.9551	0.018033
0.008296	0.85809	-0.0809	0.08073	-0.03195	0.49103	-0.10549	0.02261	-0.14801
0.060345	0.193	0.105076	0.02315	0.097432	0.0353	0.07445	0.1081	0.248129
-0.04279	0.35614	-0.14053	0.00234	-0.08567	0.06436	-0.14595	0.00156	-0.18038

-0.01972	0.67077	-0.05236	0.25882	-0.01073	0.81709	-0.08065	0.08168	-0.03291
0.055924	0.22773	0.138934	0.00262	0.092012	0.04689	0.1438	0.00184	0.167203
-0.13896	0.00262	-0.0826	0.07454	-0.06464	0.16316	-0.09197	0.047	-0.00729
0.1363	0.00316	0.0085	0.85465	0.083452	0.07159	-0.04553	0.32619	-0.00739
-0.03429	0.4598	0.016626	0.72008	0.021801	0.63842	0.013618	0.76913	0.030244
0.009287	0.84135	-0.1759	0.00013	-0.06824	0.14089	-0.20813	5.75E-06	-0.31378
0.051133	0.27013	0.050002	0.28088	0.069091	0.136	0.009507	0.83765	0.094181
0.028169	0.5437	0.072215	0.11913	0.077773	0.09321	0.026343	0.57014	0.187353
-0.08079	0.08115	-0.04092	0.37763	-0.05428	0.24168	-0.03521	0.44781	0.009833
0.005898	0.89885	-0.02403	0.60451	0.028459	0.53956	-0.08776	0.05808	-0.00096
-0.02955	0.52418	-0.07471	0.10686	-0.05507	0.23496	-0.07835	0.09078	-0.05526
0.171562	0.0002	-0.00155	0.97335	0.08082	0.08103	-0.07017	0.12996	-0.00221
0.10337	0.02549	0.022051	0.63457	0.066652	0.15041	-0.01828	0.69355	0.014049
0.09463	0.04095	-0.03193	0.49126	0.037608	0.41746	-0.08651	0.06176	-0.06136
0.121574	0.00854	0.214873	2.79E-06	0.157828	0.00062	0.207446	6.18E-06	0.322894
0.008725	0.85084	-0.06103	0.18799	0.004613	0.92081	-0.10274	0.02641	-0.17462
0.001629	0.97199	-0.0197	0.67105	-0.00426	0.92685	-0.02189	0.63699	0.016618
0.035715	0.4413	0.021915	0.63665	0.052217	0.2601	-0.00207	0.96443	0.006534
0.002165	0.96279	0.016028	0.72975	0.071972	0.12038	-0.0378	0.41508	0.032639
0.151385	0.00103	0.154148	0.00083	0.122456	0.00807	0.142923	0.00196	0.233436
0.062587	0.17694	0.026809	0.56333	0.015962	0.73082	0.028931	0.53286	0.051602
0.070428	0.12857	-0.04615	0.31963	0.009434	0.83888	-0.06647	0.15151	-0.14018
-0.00035	0.994	0.100436	0.03	0.033911	0.46474	0.132834	0.00403	0.104528
0.014875	0.74851	0.007854	0.86558	0.005685	0.90248	0.02703	0.56012	-0.01466
0.047412	0.30659	0.001514	0.97397	0.006368	0.89084	-0.0084	0.85639	-0.08378
0.021884	0.63713	-0.11798	0.01072	-0.0268	0.56339	-0.16073	0.00049	-0.1806
-0.02481	0.59279	-0.11767	0.01093	-0.03836	0.40821	-0.14974	0.00117	-0.17513
0.190552	3.40E-05	0.196159	1.96E-05	0.205062	7.93E-06	0.152443	0.00095	0.16995
0.244631	8.61E-08	0.124756	0.00695	0.160607	0.00049	0.069388	0.13432	0.070287
0.034723	0.45411	0.083172	0.07255	0.067672	0.14424	0.07562	0.10265	0.17958
0.020531	0.6581	0.107302	0.02038	0.056449	0.22338	0.090289	0.05119	0.222633
0.130757	0.00465	0.115404	0.01258	0.142477	0.00203	0.048944	0.29121	0.143232
0.04453	0.33695	0.084027	0.06965	0.054214	0.24229	0.091439	0.04828	0.039738
0.10336	0.02551	0.167266	0.00028	0.11436	0.0134	0.174155	0.00016	0.203731
-0.02038	0.66039	-0.20871	5.41E-06	-0.09136	0.04847	-0.23845	1.84E-07	-0.32557
-0.1539	0.00085	-0.208	5.83E-06	-0.16701	0.00029	-0.18921	3.87E-05	-0.23577
0.029527	0.52445	0.123619	0.00748	0.068837	0.13745	0.119557	0.00971	0.241964
0.04673	0.3136	0.163073	0.0004	0.098908	0.0326	0.147209	0.00142	0.17274
0.053563	0.24799	0.021235	0.64716	0.063659	0.16963	-0.03751	0.41868	0.027977
0.062806	0.17543	0.176114	0.00013	0.108225	0.01932	0.196635	1.87E-05	0.196157
0.147903	0.00135	0.251844	3.45E-08	0.148875	0.00125	0.294478	8.52E-11	0.279435
0.140042	0.00242	0.2897	1.76E-10	0.167939	0.00027	0.315178	3.14E-12	0.297263
-0.04505	0.33135	-0.10375	0.02496	-0.02357	0.61144	-0.14957	0.00119	-0.14936
0.02686	0.56259	-0.00529	0.90928	0.016768	0.7178	-0.02698	0.56085	-0.05093
0.050591	0.27525	-0.01372	0.76744	0.04058	0.3816	-0.03906	0.39972	-0.03529

0.085454	0.06502	-0.06448	0.1642	0.008053	0.8622	-0.10452	0.02389	-0.10946
0.059208	0.20154	0.015099	0.74485	0.069225	0.13524	-0.02423	0.60146	0.065102
-0.01024	0.82533	-0.18228	7.44E-05	-0.05455	0.23935	-0.2139	3.10E-06	-0.25483
0.040241	0.3856	0.044407	0.3383	0.017778	0.70158	0.044531	0.33694	0.064271
-0.02023	0.66287	-0.05855	0.20657	-0.01389	0.76459	-0.06159	0.18397	-0.05379
0.148512	0.00129	0.079729	0.08524	0.112255	0.01522	0.029369	0.52667	0.10405
0.078682	0.08943	0.101537	0.02823	0.094536	0.04115	0.077135	0.09593	0.229876
0.017189	0.71102	0.131764	0.00434	0.072265	0.11887	0.152619	0.00094	0.211798
0.039391	0.39572	0.129165	0.00518	0.057039	0.21858	0.160692	0.00049	0.113152
-0.02187	0.6374	-0.0573	0.21647	-0.05232	0.25915	-0.05496	0.23583	-0.07425
0.127263	0.00589	0.177403	0.00012	0.120623	0.00907	0.188169	4.28E-05	0.211518
-0.0306	0.50945	-0.0826	0.07455	-0.05643	0.22354	-0.08168	0.07784	-0.1741
0.271259	2.55E-09	0.276957	1.14E-09	0.26478	6.22E-09	0.218153	1.94E-06	0.168268
0.108668	0.01882	0.143367	0.0019	0.119038	0.01003	0.126688	0.00612	0.097834
0.08146	0.07865	0.042614	0.35818	0.086429	0.06201	-0.00856	0.85369	-0.02628
0.228268	6.17E-07	0.148192	0.00132	0.222975	1.13E-06	0.047695	0.3037	0.038972
-0.05067	0.27453	-0.0722	0.11921	-0.04211	0.36395	-0.09124	0.04877	-0.05031
-0.03134	0.49934	0.084582	0.06782	0.019749	0.67034	0.097548	0.03508	0.117319
0.319109	1.63E-12	0.197965	1.64E-05	0.275391	1.42E-09	0.082896	0.0735	0.043522
0.030721	0.5078	0.025202	0.58695	0.019654	0.67183	0.022287	0.63095	0.058839
0.105574	0.0225	0.000263	0.99548	0.029074	0.53083	-0.02124	0.64712	0.0185
0.073512	0.11263	0.024301	0.6004	0.036406	0.43252	0.004167	0.92843	0.030862
0.084351	0.06858	0.035765	0.44067	0.099201	0.03209	-0.03607	0.43682	-0.01906
-0.0059	0.89887	0.000112	0.99808	0.041901	0.36629	-0.03201	0.49013	-0.03277
-0.07478	0.10655	-0.04331	0.35034	-0.04308	0.35291	-0.01748	0.70634	0.045648
0.068047	0.14203	0.17276	0.00018	0.111968	0.01549	0.170015	0.00022	0.140677
0.029279	0.52793	0.059652	0.19817	0.096094	0.03791	-0.00935	0.84037	-0.05337
-0.06037	0.19284	-0.04896	0.29103	-0.01006	0.82835	-0.07707	0.09622	-0.09277
0.054686	0.2382	0.01869	0.68706	0.081297	0.07925	-0.04306	0.35312	-0.04692
-0.04181	0.36733	-0.02272	0.62431	-0.01591	0.73173	-0.03405	0.46294	-0.08428
0.085976	0.0634	0.055231	0.23355	0.102456	0.02683	-0.01015	0.8268	-0.03673
0.03724	0.42204	0.159559	0.00054	0.082466	0.07502	0.169937	0.00022	0.191628
-0.01613	0.72816	0.006871	0.88228	0.011442	0.80521	-0.01334	0.77372	-0.0294
-0.00697	0.88061	-0.01837	0.69212	0.008164	0.86033	-0.03512	0.4489	-0.09476
-0.00216	0.96291	-0.16205	0.00044	-0.02599	0.57527	-0.21385	3.12E-06	-0.26133
0.45686	1.85E-25	0.305024	1.64E-11	0.348894	8.18E-15	0.180429	8.82E-05	0.136083
-0.02328	0.61582	-0.06708	0.14781	-0.03191	0.49148	-0.07588	0.10146	-0.14114
0.024008	0.60481	-0.00841	0.85615	0.049939	0.2815	-0.06297	0.1743	-0.12653
-0.00064	0.98905	0.067653	0.14436	0.035722	0.44122	0.073282	0.11376	0.161569
0.156831	0.00067	0.138616	0.00268	0.095558	0.039	0.135485	0.00335	0.096453
0.010616	0.81902	0.055193	0.23387	0.04518	0.32995	0.031957	0.49087	0.041179
0.024498	0.59746	0.02924	0.52848	0.012396	0.78934	0.034628	0.45534	0.009698
0.044717	0.33492	0.058627	0.20601	0.074002	0.11024	0.030438	0.51173	0.019301
0.12149	0.00859	0.125635	0.00656	0.1319	0.0043	0.070758	0.12678	0.057766
0.143947	0.00182	0.120435	0.00918	0.198285	1.59E-05	0.010888	0.81446	-0.03829

0.093661	0.04307	0.015944	0.7311	0.072491	0.11772	-0.0413	0.37315	-0.07383
-0.02607	0.57408	-0.04942	0.28655	-0.00591	0.89872	-0.07867	0.08947	-0.17078
-0.02631	0.57062	0.040923	0.37759	0.008577	0.85333	0.039951	0.38903	0.035434
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-0.00412	0.92927	-0.00625	0.89282	0.014671	0.75185	-0.03019	0.51514	-0.05245
0.036756	0.4281	0.07782	0.09301	0.053804	0.24587	0.069661	0.13279	0.069606
0.224075	1.00E-06	0.118274	0.01053	0.177063	0.00012	0.041484	0.37107	-0.02077
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0.122546	0.00802	0.098878	0.03266	0.099719	0.0312	0.071105	0.12493	0.053054
-0.05025	0.27855	-0.02009	0.66498	-0.01981	0.66933	-0.02074	0.65477	-0.06774
-0.02514	0.58786	-0.0616	0.18392	-0.02851	0.53885	-0.07768	0.09358	-0.11656
0.05417	0.24266	0.200945	1.21E-05	0.115848	0.01224	0.201657	1.13E-05	0.257067
0.010997	0.81265	0.001868	0.96789	0.005964	0.89772	-0.01546	0.73898	0.03732
-0.02632	0.57046	0.056059	0.22661	0.006616	0.88662	0.055269	0.23323	0.089973
-0.01273	0.78374	-0.04112	0.37526	0.008705	0.85119	-0.08258	0.07462	-0.13671
0.00342	0.94125	-0.03404	0.46308	0.00846	0.85532	-0.06751	0.14522	-0.11873
0.045136	0.33041	0.044088	0.34178	0.059225	0.20141	0.009113	0.8443	0.008316
0.011745	0.80016	0.050351	0.27754	0.048574	0.29487	0.025912	0.57646	0.03181
-0.04351	0.34813	0.005393	0.90747	-0.02289	0.6217	0.012839	0.782	-0.01828
0.005492	0.90578	0.057752	0.21286	0.031816	0.49279	0.054994	0.23557	0.026078
-0.0471	0.30978	-0.04791	0.3015	-0.0261	0.57368	-0.06315	0.17307	-0.15635
0.04949	0.28585	0.073421	0.11307	0.069919	0.13136	0.052433	0.25813	-0.02514
0.018249	0.69407	-0.02979	0.52069	0.020414	0.65993	-0.05719	0.21737	-0.16196
0.112195	0.01528	0.031457	0.49769	0.083235	0.07233	-0.01288	0.78137	-0.07781
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-0.00521	0.91057	-0.01926	0.67803	0.02122	0.64739	-0.04145	0.37149	-0.10192
-0.03906	0.39969	-0.04635	0.31755	-0.02683	0.56305	-0.05775	0.21285	-0.08421
-0.04627	0.31841	-0.04175	0.36796	-0.02433	0.59993	-0.05259	0.25668	-0.10086
0.054893	0.23643	0.09142	0.04833	0.081734	0.07765	0.062195	0.17968	0.091195
0.160359	0.0005	0.226576	7.51E-07	0.205941	7.23E-06	0.163106	0.0004	0.349679
0.518358	1.79E-33	0.432513	1.04E-22	0.474326	1.42E-27	0.255892	2.04E-08	0.180411
-0.00248	0.95738	-0.07976	0.0851	-0.03013	0.51603	-0.10124	0.02869	-0.18283
0.014645	0.75226	-0.01116	0.80998	-0.00958	0.8364	-0.01239	0.78937	-0.01254
0.003077	0.94712	0.035505	0.444	0.0169	0.71566	0.035017	0.45029	-0.00557
-0.01603	0.72975	-0.04004	0.38794	0.012812	0.78244	-0.08518	0.0659	-0.15124
0.001158	0.98009	0.001133	0.98052	0.014652	0.75216	-0.02301	0.61992	-0.00724
-0.04	0.38847	-0.04352	0.34801	-0.00345	0.94078	-0.0772	0.09565	-0.11953
-0.03248	0.48381	-0.0232	0.61696	-0.00559	0.90407	-0.03569	0.44161	-0.05489
-0.0441	0.34164	-0.01485	0.74885	-0.01626	0.72602	-0.02317	0.6175	-0.03004
0.023704	0.60939	-0.02907	0.53094	0.027415	0.55455	-0.07279	0.11624	-0.12672
0.009869	0.83155	-0.01855	0.68932	-0.01308	0.77808	-0.01179	0.79948	-0.00889
-0.02283	0.6227	0.049193	0.28875	0.022936	0.62103	0.038504	0.40645	0.109206
0.145735	0.00159	0.101262	0.02867	0.11647	0.01178	0.072887	0.11572	0.075605
0.0515	0.2667	0.116103	0.01205	0.072941	0.11545	0.103702	0.02502	0.14817
-0.03482	0.4528	-0.07069	0.12714	0.004156	0.92863	-0.10698	0.02076	-0.20221

-0.05051	0.276	-0.05357	0.24794	-0.00931	0.84093	-0.09249	0.04575	-0.0806
0.033296	0.47288	-0.03258	0.48247	0.014438	0.75566	-0.07441	0.10829	-0.08085
0.092527	0.04567	-0.00519	0.91088	0.083006	0.07312	-0.07254	0.11746	-0.16329
-0.0019	0.96729	0.074387	0.1084	0.050591	0.27525	0.054492	0.23988	0.045742
0.022662	0.62521	0.05327	0.25059	0.066577	0.15086	0.020431	0.65967	0.032949
-0.0175	0.70604	-0.04082	0.37884	-0.02793	0.54707	-0.04856	0.29501	-0.07662
0.170256	0.00022	0.154212	0.00083	0.191867	2.99E-05	0.07827	0.09112	0.044242
0.062247	0.17931	0.033215	0.47395	0.062724	0.176	-0.00145	0.97505	-0.04528
-0.03164	0.49514	-0.03008	0.51665	-0.034	0.46361	-0.0145	0.75461	-0.03791
-0.0503	0.27804	-0.08149	0.07852	-0.04384	0.34455	-0.09975	0.03114	-0.21845
0.308266	9.73E-12	0.211554	3.99E-06	0.284321	3.92E-10	0.08208	0.0764	0.031376
0.168112	0.00026	0.173312	0.00017	0.178481	0.00011	0.098203	0.03387	0.118008
0.046801	0.31287	0.096552	0.037	0.064974	0.16097	0.084524	0.06801	0.077111
0.081712	0.07773	0.235183	2.73E-07	0.120137	0.00936	0.274469	1.62E-09	0.133077
0.038578	0.40555	0.079147	0.08755	0.043152	0.35213	0.076464	0.09886	0.087301
-0.00495	0.915	0.023655	0.61013	0.00899	0.84636	0.027095	0.55917	0.04154
0.071153	0.12467	0.066894	0.14893	0.075764	0.102	0.027995	0.54619	-0.0009
0.04776	0.30304	0.006442	0.88957	0.038951	0.40102	-0.02292	0.62122	-0.07688
0.112052	0.01541	0.065684	0.15643	0.110066	0.01734	0.002237	0.96155	-0.03381
-0.01244	0.78857	0.101892	0.02768	0.025641	0.58046	0.121933	0.00834	0.08836
0.005292	0.90919	0.007163	0.8773	-0.01357	0.76993	0.019025	0.68176	0.036342
-0.0267	0.56491	-0.01327	0.77483	0.032021	0.49001	-0.05605	0.22667	-0.13054
-0.01679	0.71744	0.015124	0.74445	0.036444	0.43204	-0.01388	0.76479	-0.09774
-0.019	0.68214	-0.01326	0.7751	0.024197	0.60197	-0.04526	0.32911	-0.09164
0.110386	0.01702	0.053368	0.24972	0.076878	0.09705	0.011552	0.80337	-0.04825
0.108681	0.01881	0.172446	0.00018	0.147204	0.00142	0.119278	0.00988	0.211887
0.026868	0.56247	0.199228	1.44E-05	0.060803	0.18964	0.248819	5.08E-08	0.321022
-0.05516	0.23415	-0.07617	0.10017	-0.07253	0.11752	-0.06799	0.14239	-0.10642
-0.00748	0.87195	-0.03155	0.49647	-0.01285	0.78186	-0.04562	0.32521	-0.06939
0.013107	0.77756	-0.0215	0.64303	0.016644	0.71979	-0.04745	0.30622	-0.11135
0.058085	0.21024	0.049028	0.29037	0.055238	0.23349	0.015746	0.73432	0.053133
-0.04385	0.34444	-0.01209	0.79435	0.020173	0.6637	-0.05126	0.26896	-0.07553
-0.01763	0.70397	-0.01577	0.73388	0.0301	0.51643	-0.0515	0.26672	-0.10239
-0.01977	0.67001	-0.02817	0.54371	0.004842	0.91688	-0.04839	0.29669	-0.10889
-0.0486	0.29461	-0.01373	0.7673	-0.01706	0.71302	-0.01186	0.79822	-0.03084
-0.01064	0.81869	-0.0365	0.43127	0.018412	0.69147	-0.06921	0.13531	-0.13833
0.017873	0.70007	-0.05434	0.24121	0.020786	0.65412	-0.10639	0.02148	-0.21116
0.025531	0.58209	0.020761	0.65451	0.04332	0.35026	-0.01368	0.76809	-0.02721
0.073312	0.11361	0.024057	0.60407	0.041081	0.37574	-0.00451	0.92263	-0.03656
0.011879	0.79792	0.107201	0.0205	0.051148	0.26999	0.110905	0.0165	0.133406
-0.03077	0.50717	-0.00537	0.9079	-0.00382	0.93441	-0.01369	0.768	-0.02661
-0.00253	0.95656	0.054163	0.24273	0.027384	0.55499	0.037089	0.42393	0.047785
0.026108	0.57359	0.001835	0.96845	0.024348	0.5997	-0.0196	0.67275	-0.03684
-0.02345	0.6133	-0.03846	0.40698	-0.02124	0.6471	-0.05597	0.22733	-0.08473
0.027512	0.55314	0.069255	0.13507	0.040765	0.37943	0.071273	0.12404	0.147113

0.038226	0.40985	0.036091	0.43651	0.041596	0.36979	0.007044	0.87934	-0.0487
0.005467	0.9062	0.006672	0.88567	0.011118	0.81062	-0.00841	0.85609	0.018957
0.02713	0.55867	-0.0372	0.42249	-0.01357	0.76988	-0.0539	0.24502	-0.03978
0.079676	0.08544	0.151266	0.00104	0.144092	0.0018	0.093283	0.04392	0.162583
0.014056	0.76193	0.033201	0.47414	0.03732	0.42104	0.003864	0.93364	-0.00971
-0.07446	0.10807	-0.06061	0.19108	-0.05027	0.27829	-0.06402	0.1672	-0.08764
-0.00205	0.96469	-0.01581	0.73336	0.012784	0.7829	-0.04262	0.35815	-0.1098
0.163249	0.0004	0.150231	0.00113	0.168185	0.00026	0.074296	0.10883	0.115718
-0.01743	0.70715	0.030072	0.51682	-0.00074	0.98731	0.037067	0.4242	0.064941
0.009096	0.84457	-0.03208	0.48919	-0.02502	0.58963	-0.03705	0.42447	-0.10142
0.015372	0.7404	-0.01489	0.7483	0.021927	0.63648	-0.05411	0.2432	-0.09865
0.062365	0.17849	0.02255	0.62692	0.048492	0.29569	-0.0122	0.79254	-0.01909
0.03705	0.42441	0.117005	0.01139	0.069287	0.13489	0.108387	0.01913	0.215062
0.011083	0.8112	0.019492	0.67438	0.009569	0.83661	0.024834	0.59244	-0.03294
0.080683	0.08155	0.063192	0.17279	0.063363	0.17163	0.055066	0.23495	0.10147
0.005253	0.90987	0.008398	0.85637	0.006238	0.89304	0.005198	0.9108	-0.0494
0.007074	0.87882	0.084883	0.06684	0.070951	0.12575	0.064979	0.16094	0.086838
0.018617	0.68821	0.103304	0.02559	0.071619	0.12222	0.088362	0.05637	0.086796
0.040238	0.38562	0.177442	0.00012	0.0998	0.03106	0.18851	4.14E-05	0.137933
0.057595	0.21412	0.200476	1.27E-05	0.105001	0.02325	0.220773	1.45E-06	0.180626
0.083133	0.07268	0.224151	9.91E-07	0.141441	0.00219	0.223889	1.02E-06	0.147172
-0.02747	0.55379	-0.04003	0.38812	0.007548	0.87078	-0.07427	0.10897	-0.13947
0.101707	0.02797	0.090785	0.04992	0.115224	0.01272	0.042816	0.3559	-0.00456
0.423292	1.00E-21	0.270703	2.75E-09	0.352189	4.39E-15	0.123443	0.00757	0.312225
0.096343	0.03741	0.110541	0.01686	0.102453	0.02683	0.068577	0.13895	0.107097
-0.01605	0.72936	-0.04026	0.38538	-0.00537	0.90788	-0.07393	0.11057	-0.09273
0.035926	0.43862	0.040715	0.38001	0.028826	0.53434	0.028878	0.5336	0.035554
0.065331	0.15868	0.036224	0.43483	0.089391	0.05355	-0.04026	0.38541	-0.09364
0.299324	4.03E-11	0.15944	0.00054	0.184764	5.90E-05	0.101556	0.0282	0.051694
0.132222	0.00421	0.071021	0.12538	0.122731	0.00793	0.023987	0.60512	-0.02574
0.009221	0.84246	-0.00429	0.9263	0.03686	0.4268	-0.03994	0.38914	-0.06416
0.177793	0.00011	0.111895	0.01555	0.14677	0.00147	0.035592	0.44288	0.024323
-0.00317	0.9456	0.00017	0.99707	0.055774	0.22898	-0.04093	0.37755	0.000261
-0.03376	0.46678	0.035079	0.44949	0.038383	0.40793	0.024581	0.59622	0.024233
0.004577	0.92142	0.031481	0.49736	0.0172	0.71085	0.021459	0.6437	0.037172
-0.00112	0.9808	0.000925	0.9841	-0.0219	0.63692	0.009936	0.83043	-0.01079
0.037912	0.4137	0.035625	0.44246	0.048316	0.29744	0.021014	0.65059	0.041618
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0.289232	1.89E-10	0.192504	2.81E-05	0.296547	6.20E-11	0.030393	0.51235	0.058037
0.170181	0.00022	0.054607	0.23888	0.121313	0.00868	-0.02648	0.56813	-0.09511
-0.05577	0.229	-0.08404	0.0696	-0.03856	0.40577	-0.09963	0.03134	-0.17796
0.14883	0.00126	0.163254	0.0004	0.158874	0.00057	0.100666	0.02962	0.256565
0.089585	0.05303	0.105675	0.02238	0.125769	0.0065	0.051101	0.27043	0.041302
0.061409	0.18525	0.065721	0.1562	0.067722	0.14395	0.034668	0.45482	0.011184
0.156185	0.00071	0.098587	0.03317	0.153126	0.0009	0.024565	0.59646	0.030858



0.10098	0.02912	0.032678	0.48114	0.064686	0.16284	-0.00478	0.91799	-0.01336
0.024158	0.60255	0.091637	0.0478	0.056595	0.22219	0.077853	0.09287	0.138125
-0.01279	0.78285	-0.00918	0.84319	-0.01055	0.82021	-0.00278	0.95222	-0.03698
0.151219	0.00105	0.258922	1.37E-08	0.195023	2.20E-05	0.216315	2.38E-06	0.286216
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-0.01774	0.70226	-0.03971	0.39191	-0.00178	0.96932	-0.06101	0.18814	-0.11652
0.008944	0.84714	0.03981	0.39071	0.019811	0.66936	0.033668	0.46794	-0.00191
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0.046444	0.31658	0.017815	0.701	0.029717	0.52178	-0.00506	0.91308	0.013358
-0.07317	0.1143	-0.05476	0.23757	-0.05691	0.21964	-0.03949	0.39447	-0.10898
0.084398	0.06842	0.03785	0.41447	0.069765	0.13222	-0.00288	0.95044	-0.04069
0.056452	0.22336	0.041452	0.37144	0.071462	0.12304	-0.00082	0.98598	-0.01732
0.095647	0.03881	0.125627	0.00656	0.127201	0.00591	0.075387	0.10372	0.07933
0.035514	0.44389	-0.02919	0.52912	-0.02264	0.62549	-0.03465	0.45507	-0.08478
0.024679	0.59475	0.052221	0.26006	0.064402	0.16469	0.019926	0.66757	-0.01838
-0.0242	0.60191	-0.03974	0.39157	-0.00769	0.86833	-0.05528	0.23318	-0.11528
0.011042	0.81188	-0.0168	0.71733	0.033769	0.46661	-0.05689	0.21979	-0.10231
0.133619	0.00382	0.151648	0.00101	0.152645	0.00094	0.085232	0.06573	0.120142
0.032044	0.48969	0.023805	0.60787	0.070135	0.13017	-0.00194	0.96663	-0.02132
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0.196732	1.85E-05	0.183952	6.37E-05	0.19916	1.45E-05	0.129378	0.00511	0.054166
0.03737	0.42042	-0.01126	0.80823	0.050972	0.27165	-0.06498	0.16094	-0.1436
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0.253501	2.78E-08	0.277288	1.09E-09	0.261424	9.79E-09	0.215883	2.50E-06	0.205118
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0.076327	0.09947	0.003342	0.94258	0.066739	0.14987	-0.05416	0.24274	-0.04365
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0.000448	0.99229	0.121835	0.0084	0.048927	0.29137	0.139537	0.00251	0.163651
0.053049	0.25257	0.023527	0.61206	0.050026	0.28066	0.001812	0.96885	-0.04718
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0.109314	0.01813	0.062176	0.17981	0.087622	0.05848	0.024901	0.59143	0.01693
0.038307	0.40886	0.079997	0.08419	0.082461	0.07503	0.033699	0.46754	0.07691
0.067875	0.14304	0.081176	0.0797	0.081696	0.07779	0.048384	0.29676	0.02577
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0.135192	0.00342	0.022988	0.62024	0.083088	0.07284	-0.03336	0.47197	-0.07156
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0.048677	0.29385	-0.03351	0.47005	0.050694	0.27428	-0.08992	0.05214	-0.1575
0.028947	0.53263	0.099438	0.03168	0.056792	0.22058	0.099726	0.03118	0.084333
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0.034139	0.46174	-0.03551	0.44388	-0.00315	0.94596	-0.04528	0.32886	-0.09433
0.095985	0.03813	0.188013	4.34E-05	0.144918	0.00169	0.158303	0.0006	0.26846
0.070343	0.12903	0.032305	0.48616	0.068845	0.1374	-0.01896	0.68277	-0.0175
0.122333	0.00813	0.059806	0.19701	0.092741	0.04517	0.017658	0.70351	-0.03576

0.235788	2.54E-07	0.129075	0.00521	0.185096	5.72E-05	0.05117	0.26978	0.00688
0.021936	0.63634	0.097684	0.03483	0.066231	0.15301	0.081814	0.07735	0.069603
0.066559	0.15098	0.183981	6.35E-05	0.117582	0.01099	0.173621	0.00016	0.213798
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0.04259	0.35844	0.006224	0.89328	0.049374	0.28698	-0.03311	0.47534	-0.05481
0.070512	0.12811	0.12666	0.00613	0.091011	0.04935	0.110574	0.01683	0.122763
0.064162	0.16628	0.074273	0.10894	0.091776	0.04746	0.027822	0.54868	-0.03683
0.065274	0.15904	0.064341	0.16509	0.078387	0.09064	0.024542	0.5968	0.001427
-0.01622	0.72666	0.001748	0.96994	-0.006	0.89716	-0.00577	0.90097	-0.01505
0.115891	0.0122	0.067269	0.14666	0.126464	0.00621	-0.00235	0.95963	-0.01054
0.096162	0.03777	0.131308	0.00448	0.109427	0.01801	0.091961	0.04701	0.179585
0.101832	0.02778	0.036188	0.43527	0.086376	0.06217	-0.01624	0.72625	0.06055
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0.02024	0.66264	0.115114	0.0128	0.059166	0.20186	0.11684	0.01151	0.168665
0.146368	0.00152	0.092816	0.04499	0.124489	0.00707	0.051461	0.26707	0.060778
0.064748	0.16243	0.124515	0.00706	0.078017	0.09218	0.120298	0.00926	0.083211
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0.16551	0.00033	0.046188	0.31925	0.085427	0.06511	0.020577	0.65738	-0.07099
0.019242	0.67832	-0.01967	0.67163	0.018719	0.6866	-0.05401	0.24409	-0.13251
0.011718	0.8006	0.090873	0.04969	0.052636	0.25629	0.086143	0.06288	0.156681
0.001714	0.97053	-0.02722	0.55732	0.007407	0.87317	-0.05621	0.22537	-0.08414
0.0487	0.29362	-0.02027	0.66214	-0.02092	0.65202	-0.00772	0.86787	-0.02798
0.050241	0.27859	0.041379	0.37229	0.045802	0.32332	0.016207	0.72686	-0.00286
0.09873	0.03292	0.118582	0.01032	0.103665	0.02507	0.087805	0.05795	0.257629
0.118759	0.01021	0.165187	0.00034	0.142402	0.00204	0.124181	0.00721	0.191469
0.048657	0.29404	-0.0015	0.97415	0.040763	0.37945	-0.04465	0.33566	-0.10719
0.010217	0.82571	0.046369	0.31737	0.008944	0.84714	0.061533	0.18436	0.118509
0.23136	4.30E-07	0.1441	0.0018	0.184773	5.90E-05	0.060776	0.18983	0.077294
0.076931	0.09682	0.108729	0.01876	0.076467	0.09885	0.108692	0.0188	0.071011
0.026346	0.57009	0.089734	0.05264	0.045033	0.33152	0.101722	0.02795	0.135815
0.033501	0.47016	0.057578	0.21425	0.06103	0.18799	0.024135	0.60289	0.026154
0.020548	0.65784	0.058712	0.20535	0.047428	0.30642	0.043795	0.345	0.055861
0.106918	0.02084	0.112479	0.01502	0.121537	0.00856	0.07357	0.11234	0.110781
0.469781	5.19E-27	0.571853	6.60E-42	0.468734	6.97E-27	0.510573	2.29E-32	0.332495
0.296998	5.78E-11	0.395139	6.68E-19	0.349569	7.21E-15	0.316943	2.34E-12	0.361102
0.124803	0.00693	0.158969	0.00056	0.102047	0.02745	0.184612	5.99E-05	0.061332
0.124084	0.00726	0.324547	6.47E-13	0.176396	0.00013	0.345466	1.55E-14	0.494471
0.499593	7.47E-31	0.49669	1.84E-30	0.522412	4.64E-34	0.310748	6.51E-12	0.478316
-0.01046	0.82159	0.009458	0.83847	-0.00187	0.96786	0.013544	0.77035	-0.00908
0.028549	0.53827	0.051851	0.26346	0.039204	0.39797	0.061021	0.18805	0.022213
0.197655	1.69E-05	0.388999	2.55E-18	0.190509	3.41E-05	0.474716	1.27E-27	0.346175
0.133175	0.00394	0.213613	3.20E-06	0.143049	0.00194	0.211247	4.13E-06	0.20889
0.167354	0.00028	0.195728	2.05E-05	0.191883	2.99E-05	0.149774	0.00117	0.084523
0.169039	0.00024	0.134638	0.00356	0.089341	0.05369	0.154084	0.00084	0.123572
0.365607	3.24E-16	0.294502	8.49E-11	0.291895	1.26E-10	0.223845	1.03E-06	0.18037

0.462411	4.05E-26	0.332764	1.54E-13	0.422218	1.30E-21	0.165849	0.00032	0.113868
0.137286	0.00295	0.114076	0.01364	0.170947	0.00021	0.014738	0.75075	0.02552
0.061279	0.18619	0.033315	0.47263	0.042693	0.35728	0.025494	0.58263	0.01605
0.050359	0.27746	0.044012	0.34261	0.040544	0.38202	0.021489	0.64322	0.171803
0.178538	0.0001	0.052678	0.25591	0.037578	0.41784	0.06542	0.15811	0.003543
0.029234	0.52857	0.061465	0.18485	0.060577	0.19129	0.036471	0.4317	0.023807
0.063141	0.17314	0.203653	9.18E-06	0.096328	0.03744	0.253651	2.73E-08	0.307927
0.054952	0.23593	0.072697	0.11668	0.074495	0.10788	0.055279	0.23314	0.028047
0.046296	0.31813	0.127701	0.00572	0.079348	0.08674	0.106511	0.02133	0.279935
0.063309	0.172	0.084745	0.06729	0.056773	0.22073	0.088568	0.0558	0.063154
0.207417	6.20E-06	0.074013	0.11019	0.084343	0.0686	0.05992	0.19616	0.027999
0.138757	0.00266	0.312925	4.56E-12	0.135472	0.00335	0.399114	2.77E-19	0.226715
0.161436	0.00046	0.104235	0.02428	0.12012	0.00937	0.062842	0.17519	0.045152
0.221841	1.29E-06	0.245216	8.00E-08	0.33828	5.76E-14	0.061778	0.18262	0.103648
0.084308	0.06872	0.085285	0.06556	0.094443	0.04135	0.050817	0.27311	0.053325
0.215954	2.48E-06	0.274387	1.64E-09	0.324586	6.42E-13	0.121982	0.00832	0.087565
0.075024	0.1054	0.026621	0.56607	0.038	0.41262	0.016444	0.72301	0.017709
0.32206	9.89E-13	0.111467	0.01596	0.15551	0.00075	0.097158	0.03582	0.055974
0.0459	0.32229	0.020234	0.66274	0.029395	0.5263	0.017811	0.70105	0.016839
0.067448	0.14558	0.103181	0.02576	0.061806	0.18242	0.11121	0.0162	0.080462
0.169473	0.00023	0.155039	0.00077	0.203798	9.04E-06	0.050307	0.27796	0.061013
0.081265	0.07937	0.199985	1.34E-05	0.095449	0.03922	0.243572	9.82E-08	0.145964
0.064083	0.1668	0.114995	0.0129	0.096091	0.03791	0.095383	0.03936	0.065053
0.148683	0.00127	0.141155	0.00223	0.14362	0.00186	0.108413	0.01911	0.08591
0.108607	0.01889	0.127339	0.00586	0.107558	0.02008	0.117066	0.01135	0.11139
0.576347	1.09E-42	0.561977	3.12E-40	0.550135	2.68E-38	0.421088	1.70E-21	0.394647
0.030671	0.50849	0.092999	0.04457	0.033229	0.47377	0.117026	0.01138	0.090819
0.055079	0.23484	0.057734	0.213	0.072268	0.11886	0.02427	0.60086	0.011578
0.055642	0.23008	0.024716	0.5942	0.026142	0.57308	0.008089	0.86161	0.015117
0.230493	4.76E-07	0.203358	9.46E-06	0.271396	2.50E-09	0.061723	0.18301	0.074613
0.159573	0.00054	0.154583	0.0008	0.200673	1.25E-05	0.038471	0.40685	0.052067
0.067061	0.14791	0.213817	3.13E-06	0.092677	0.04532	0.272602	2.11E-09	0.168221
0.092629	0.04543	0.150426	0.00111	0.074658	0.10712	0.17454	0.00015	0.123885
0.05669	0.22141	0.079613	0.08569	0.062633	0.17663	0.092901	0.0448	0.021242
0.033652	0.46816	0.118296	0.01051	0.055179	0.23399	0.151893	0.00099	0.080969
0.073055	0.11489	0.079003	0.08813	0.075899	0.10139	0.071272	0.12404	0.040421
0.248974	4.98E-08	0.434411	6.45E-23	0.31728	2.21E-12	0.423525	9.46E-22	0.282051
0.213557	3.22E-06	0.36416	4.32E-16	0.211639	3.96E-06	0.409378	2.69E-20	0.231947
0.203368	9.45E-06	0.260716	1.08E-08	0.203081	9.73E-06	0.23561	2.60E-07	0.141925
0.005817	0.90024	0.078592	0.0898	0.048986	0.29079	0.062207	0.17959	0.108096
-0.03135	0.49919	0.07356	0.11239	-0.01249	0.78786	0.103467	0.02535	0.128197
0.100118	0.03053	0.324256	6.80E-13	0.138097	0.00278	0.387199	3.75E-18	0.436511
-0.02921	0.52897	0.031634	0.49527	0.001428	0.97544	0.03421	0.46081	0.053575
0.119171	0.00995	0.287108	2.59E-10	0.190071	3.56E-05	0.26737	4.37E-09	0.428811
0.039902	0.38961	0.128669	0.00536	0.074348	0.10859	0.132788	0.00405	0.132948

0.001855	0.96811	0.074039	0.11006	0.030392	0.51236	0.071359	0.12358	0.060323
-0.06572	0.15622	-0.03948	0.39463	-0.0345	0.457	-0.04724	0.3084	-0.05014
-0.00933	0.84058	0.153986	0.00084	0.056624	0.22195	0.170447	0.00022	0.176446
-0.00987	0.83161	0.054484	0.23994	0.039498	0.39444	0.041717	0.36839	0.074483
0.040145	0.38673	0.053435	0.24913	0.033162	0.47466	0.042237	0.36245	0.049204
0.024735	0.59391	0.086883	0.06064	0.054394	0.24073	0.08888	0.05494	0.092049
0.069525	0.13355	0.151263	0.00104	0.088497	0.056	0.133448	0.00386	0.235599
-0.00198	0.96589	0.069317	0.13472	0.032694	0.48092	0.063147	0.1731	0.206963
0.03244	0.48433	0.101025	0.02904	0.060693	0.19044	0.084437	0.06829	0.104659
0.013741	0.7671	0.091667	0.04773	0.034399	0.45833	0.098679	0.03301	0.281559
-0.05579	0.22888	0.030953	0.5046	-0.01977	0.67005	0.03978	0.39107	0.045967
0.119491	0.00975	0.254678	2.39E-08	0.170804	0.00021	0.229729	5.21E-07	0.431019
0.156512	0.00069	0.348689	8.50E-15	0.263819	7.09E-09	0.283101	4.68E-10	0.372472
0.088505	0.05597	0.146431	0.00151	0.106856	0.02091	0.144651	0.00172	0.238851
-0.06285	0.17514	0.005266	0.90964	-0.02347	0.61287	0.016406	0.72363	0.039869
-0.04894	0.29127	0.066337	0.15235	-0.01888	0.68397	0.117322	0.01117	0.098144
0.14346	0.00188	0.207644	6.05E-06	0.154191	0.00083	0.16936	0.00024	0.195392
-0.09358	0.04325	-0.05936	0.20039	-0.07302	0.11504	-0.02768	0.55065	-0.08745
-0.04438	0.33858	0.101018	0.02905	0.005403	0.90729	0.12807	0.00558	0.147156
0.03182	0.49274	0.083392	0.07179	0.042286	0.36189	0.083636	0.07097	0.130895
0.093243	0.04401	0.17683	0.00012	0.084583	0.06781	0.196347	1.93E-05	0.180656
-0.01708	0.71282	0.098121	0.03402	0.033782	0.46643	0.119904	0.0095	0.076697
-0.02654	0.56726	0.092922	0.04475	0.001987	0.96585	0.113165	0.01441	0.157313
0.244028	9.28E-08	0.22889	5.74E-07	0.187692	4.47E-05	0.203685	9.14E-06	0.267885
-0.03728	0.42156	0.056422	0.22361	0.01294	0.78032	0.053113	0.252	0.067297
-0.04049	0.38266	0.007739	0.86752	-0.00065	0.98887	-0.01	0.82939	-0.01231
0.185066	5.74E-05	0.433398	8.31E-23	0.260356	1.13E-08	0.4373	3.11E-23	0.548312
0.011891	0.79772	0.08908	0.05439	0.063758	0.16897	0.06504	0.16055	0.06975
0.189826	3.65E-05	0.393734	9.10E-19	0.270037	3.02E-09	0.351131	5.37E-15	0.539005
-0.01416	0.76022	0.083305	0.07209	0.015253	0.74234	0.098826	0.03275	0.175386
0.008731	0.85074	0.01223	0.79209	0.014917	0.74783	-0.00626	0.89266	-0.02293
-0.02915	0.52982	0.050689	0.27433	-0.0061	0.89535	0.064778	0.16224	0.061521
-0.04974	0.28341	0.037226	0.42222	-0.00919	0.84292	0.043056	0.35321	0.095888
0.082688	0.07423	0.247889	5.71E-08	0.121494	0.00858	0.267427	4.33E-09	0.373362
0.109116	0.01834	0.268525	3.73E-09	0.139705	0.00248	0.283902	4.16E-10	0.324395
-0.01403	0.76242	0.088691	0.05546	0.04841	0.29651	0.06808	0.14184	0.075969
0.0004	0.99312	-0.0446	0.33623	-0.03753	0.41842	-0.03523	0.44749	-0.06053
0.019708	0.67099	0.092225	0.04638	0.067686	0.14417	0.065275	0.15904	0.085566
0.258676	1.41E-08	0.518273	1.85E-33	0.306305	1.33E-11	0.551535	1.60E-38	0.498667
0.044197	0.34059	0.148968	0.00124	0.109788	0.01763	0.120501	0.00915	0.182103
0.064096	0.16671	0.177537	0.00011	0.101101	0.02892	0.181024	8.35E-05	0.249193
0.088038	0.05729	0.196936	1.82E-05	0.116935	0.01144	0.181169	8.24E-05	0.23562
0.112461	0.01504	0.283417	4.47E-10	0.162968	0.00041	0.280808	6.54E-10	0.337784
0.057029	0.21866	0.21395	3.08E-06	0.116772	0.01156	0.208035	5.81E-06	0.263904
0.059716	0.19769	0.189811	3.65E-05	0.082841	0.0737	0.226337	7.72E-07	0.16462

-0.02381	0.60778	0.038633	0.40488	0.007648	0.86907	0.044995	0.33193	0.044885
0.089842	0.05235	0.247654	5.89E-08	0.124155	0.00723	0.2601	1.17E-08	0.402304
0.097446	0.03527	0.12018	0.00933	0.112336	0.01515	0.085723	0.06418	0.094171
0.009187	0.84305	0.1252	0.00675	0.067204	0.14705	0.11162	0.01581	0.159181
-0.08611	0.06298	0.041496	0.37094	-0.01797	0.69846	0.061485	0.18471	-0.01419
-0.12506	0.00681	-0.08996	0.05204	-0.13191	0.0043	-0.04527	0.329	-0.12284
-0.01429	0.75812	0.046414	0.31689	0.010747	0.81683	0.04892	0.29144	0.049314
-0.03179	0.49308	0.033055	0.47609	-0.01047	0.82155	0.036797	0.42759	0.005327
-0.04707	0.31007	0.029427	0.52585	-0.00714	0.87774	0.025639	0.58049	0.008529
-0.00966	0.83507	0.136422	0.00314	0.053226	0.25099	0.146345	0.00152	0.18366
-0.04933	0.2874	0.094369	0.04151	0.006406	0.89019	0.109507	0.01792	0.184826
-0.02947	0.5253	0.160245	0.00051	0.043547	0.34774	0.195021	2.20E-05	0.282745
0.06319	0.1728	0.325077	5.90E-13	0.149792	0.00117	0.378916	2.16E-17	0.278852
0.020031	0.66592	0.096598	0.03691	0.018743	0.68622	0.125243	0.00673	0.209179
0.086136	0.0629	0.133188	0.00393	0.082101	0.07632	0.137892	0.00282	0.300326
0.04785	0.30213	0.083571	0.07118	0.055106	0.23461	0.074621	0.10729	0.044305
0.041215	0.37418	0.207568	6.10E-06	0.086844	0.06076	0.225344	8.65E-07	0.387837
0.002774	0.95232	0.123749	0.00742	0.02045	0.65936	0.158491	0.00059	0.209963
0.057845	0.21213	0.159043	0.00056	0.079439	0.08638	0.161732	0.00045	0.26948
-0.03237	0.4853	0.024718	0.59416	0.02451	0.59728	-0.00792	0.86446	0.033684
-0.01295	0.78017	0.108	0.01957	0.0424	0.3606	0.113126	0.01445	0.180458
0.149777	0.00117	0.223341	1.09E-06	0.143766	0.00184	0.217167	2.17E-06	0.346553
0.438893	2.07E-23	0.454434	3.55E-25	0.371504	9.91E-17	0.388561	2.80E-18	0.400474
0.023633	0.61045	0.19552	2.09E-05	0.092791	0.04505	0.200845	1.22E-05	0.355084
0.01274	0.78364	0.127338	0.00586	0.074924	0.10587	0.10532	0.02283	0.181596
0.00107	0.9816	0.150255	0.00113	0.056584	0.22228	0.170275	0.00022	0.160254
0.4219	1.40E-21	0.467249	1.06E-26	0.439443	1.80E-23	0.328078	3.51E-13	0.40026
-0.02214	0.63319	0.129381	0.00511	0.039971	0.38879	0.144202	0.00178	0.149323
-0.08066	0.08163	0.054974	0.23573	-0.00956	0.83672	0.075668	0.10243	0.064348
0.09931	0.0319	0.127021	0.00598	0.094249	0.04177	0.100105	0.03055	0.140603
-0.04697	0.31114	0.086974	0.06038	0.019704	0.67105	0.087173	0.05979	0.197186
0.073639	0.112	0.065542	0.15733	0.065597	0.15699	0.030926	0.50497	0.022159
0.312243	5.10E-12	0.251012	3.84E-08	0.271415	2.49E-09	0.158011	0.00061	0.207879
0.055425	0.23191	0.097171	0.0358	0.04684	0.31247	0.099351	0.03183	0.152595
0.18394	6.38E-05	0.32143	1.10E-12	0.233123	3.49E-07	0.27647	1.22E-09	0.383586
-0.05073	0.27394	0.107798	0.0198	0.004175	0.9283	0.139575	0.0025	0.162622
0.013595	0.76951	0.173565	0.00016	0.0851	0.06615	0.174395	0.00015	0.25242
0.095273	0.03959	0.205066	7.93E-06	0.144526	0.00174	0.179197	9.87E-05	0.254396
0.041487	0.37105	0.16339	0.00039	0.107277	0.02041	0.144349	0.00176	0.178526
-0.06213	0.18011	0.016882	0.71595	-0.01882	0.68502	0.012642	0.78526	0.063875
-0.07526	0.10433	-0.03007	0.51682	-0.0273	0.55619	-0.04445	0.33785	-0.04389
-0.0681	0.14171	0.004182	0.92819	-0.0235	0.61242	0.001958	0.96634	0.008285
0.039727	0.3917	0.241305	1.30E-07	0.117552	0.01101	0.267965	4.02E-09	0.342056
-0.06569	0.1564	0.056958	0.21923	-0.01226	0.7916	0.08845	0.05613	0.125779
0.059706	0.19776	0.189679	3.70E-05	0.100479	0.02993	0.184475	6.06E-05	0.318245

0.043337	0.35007	0.225628	8.37E-07	0.114849	0.01301	0.217703	2.04E-06	0.429715
0.002297	0.96052	0.168912	0.00025	0.061909	0.18169	0.196087	1.98E-05	0.23943
0.0336	0.46884	0.218833	1.80E-06	0.106135	0.02179	0.226268	7.78E-07	0.36329
0.006868	0.88233	0.071285	0.12397	0.019488	0.67445	0.091051	0.04925	0.058509
0.136851	0.00304	0.208178	5.72E-06	0.150493	0.00111	0.18493	5.81E-05	0.253752
0.028179	0.54355	0.055414	0.23201	0.037761	0.41557	0.04827	0.29791	0.054068
0.144833	0.0017	0.213071	3.39E-06	0.137942	0.00282	0.205714	7.41E-06	0.217998
0.020874	0.65276	0.001709	0.97062	-0.01537	0.74042	-0.00023	0.996	0.007286
0.037214	0.42237	0.124129	0.00724	0.055806	0.22871	0.132702	0.00407	0.18056
0.001574	0.97295	0.059691	0.19787	0.026514	0.56763	0.054538	0.23948	0.079354
0.134692	0.00354	0.297257	5.55E-11	0.241733	1.23E-07	0.23827	1.88E-07	0.214491
0.109736	0.01768	0.255433	2.16E-08	0.161312	0.00047	0.248261	5.45E-08	0.345631
-0.05476	0.2376	-0.06867	0.13839	-0.04674	0.31354	-0.08307	0.07291	-0.11367
-0.02336	0.61453	0.084595	0.06778	0.020829	0.65346	0.085436	0.06508	0.146586
0.103835	0.02484	0.289521	1.81E-10	0.106413	0.02145	0.359695	1.04E-15	0.289526
0.029566	0.52389	0.06104	0.18792	0.049411	0.28661	0.053523	0.24835	0.126667
0.060931	0.1887	0.094738	0.04071	0.077728	0.0934	0.063546	0.17039	0.122889
-0.01771	0.7026	-0.01431	0.75769	0.003681	0.93676	-0.03503	0.45012	0.013257
0.028388	0.54057	0.135176	0.00342	0.074065	0.10994	0.12185	0.00839	0.238302
0.009004	0.84614	0.018774	0.68572	0.017496	0.70609	0.011116	0.81066	-0.00033
-0.03458	0.45599	0.020326	0.66131	-0.03126	0.50044	0.044612	0.33606	0.038483
0.11407	0.01364	0.203457	9.36E-06	0.097066	0.036	0.229154	5.57E-07	0.32295
-0.08069	0.08151	-0.0743	0.1088	-0.09866	0.03304	-0.05296	0.25339	-0.06353
0.175544	0.00014	0.399972	2.28E-19	0.240422	1.45E-07	0.410576	2.04E-20	0.450271
0.031256	0.50044	0.144144	0.00179	0.040255	0.38543	0.178573	0.0001	0.247928
0.048173	0.29888	0.078691	0.08939	0.071147	0.12471	0.060766	0.1899	0.128875
0.062793	0.17552	0.068139	0.14149	0.049344	0.28727	0.071009	0.12544	0.06318
0.212442	3.63E-06	0.298621	4.49E-11	0.321519	1.08E-12	0.15212	0.00097	0.267301
0.060394	0.19264	0.275441	1.41E-09	0.103369	0.02549	0.340013	4.21E-14	0.441888
0.145914	0.00157	0.464401	2.34E-26	0.227544	6.72E-07	0.535846	4.59E-36	0.478096
0.094289	0.04168	0.207873	5.91E-06	0.152368	0.00096	0.173139	0.00017	0.28124
0.084343	0.0686	0.191018	3.25E-05	0.112207	0.01527	0.195296	2.14E-05	0.254866
0.041371	0.37239	0.120663	0.00905	0.068966	0.13671	0.121086	0.00881	0.196724
-0.08412	0.06934	0.040919	0.37763	-0.00903	0.84564	0.061941	0.18147	0.080387
-0.03818	0.41044	0.04344	0.34893	0.009434	0.83889	0.045547	0.32602	0.079331
0.004024	0.93088	0.10888	0.01859	0.06126	0.18633	0.096619	0.03687	0.158555
0.125351	0.00668	0.122854	0.00786	0.146834	0.00146	0.056251	0.22501	0.035295
-0.06992	0.13134	0.015672	0.73552	-0.0272	0.55769	0.04357	0.34748	0.060374
-0.04142	0.37187	0.113261	0.01433	0.064306	0.16533	0.099886	0.03091	0.085503
-0.03239	0.48497	0.074658	0.10711	-0.00571	0.90199	0.10287	0.02622	0.134689
-0.06914	0.13574	0.001814	0.96882	-0.02096	0.65142	0.009021	0.84585	-0.0023
-0.09391	0.04251	0.001848	0.96823	-0.05854	0.2067	0.027706	0.55034	0.036697
0.018032	0.69753	0.095327	0.03947	0.040704	0.38015	0.093044	0.04447	0.107229
0.11501	0.01288	0.377095	3.15E-17	0.188666	4.08E-05	0.407021	4.63E-20	0.648206
0.035547	0.44347	0.074382	0.10842	0.053197	0.25125	0.05527	0.23322	0.155474

0.401777	1.52E-19	0.359232	1.14E-15	0.385635	5.24E-18	0.210421	4.51E-06	0.288653
-0.02093	0.65183	0.097442	0.03528	0.019936	0.66741	0.108104	0.01945	0.138879
-0.06022	0.19392	0.079465	0.08628	-0.00232	0.96021	0.09777	0.03467	0.103912
-0.0264	0.56927	0.081693	0.0778	0.02097	0.65127	0.079955	0.08435	0.135286
-0.02069	0.65557	0.03269	0.48097	-0.00589	0.89906	0.055593	0.2305	0.045258
0.005321	0.90869	0.143046	0.00194	0.064331	0.16516	0.151657	0.00101	0.23873
0.265144	5.92E-09	0.373221	6.99E-17	0.283978	4.12E-10	0.33361	1.33E-13	0.375742
-0.07176	0.12151	0.06578	0.15582	-0.01811	0.69628	0.093639	0.04312	0.098355
-0.02308	0.61882	0.09009	0.0517	0.027563	0.5524	0.091826	0.04734	0.111933
0.030302	0.51361	0.20075	1.24E-05	0.090936	0.04954	0.221302	1.37E-06	0.32481
0.04073	0.37984	0.223023	1.13E-06	0.100904	0.02924	0.24561	7.61E-08	0.298163
0.01418	0.75989	0.088428	0.05619	0.03455	0.45636	0.085967	0.06342	0.084302
0.025965	0.57569	0.103854	0.02481	0.050404	0.27703	0.098499	0.03333	0.10955
-0.16317	0.0004	-0.12313	0.00772	-0.10956	0.01786	-0.11781	0.01083	-0.1253
0.11661	0.01168	0.267204	4.47E-09	0.187648	4.49E-05	0.233421	3.37E-07	0.355683
0.212649	3.55E-06	0.197625	1.69E-05	0.158169	0.0006	0.154408	0.00081	0.272632
0.017887	0.69984	0.091104	0.04912	0.039149	0.39863	0.088306	0.05653	0.067649
0.042563	0.35875	0.203203	9.61E-06	0.086955	0.06043	0.242003	1.19E-07	0.253216
0.000412	0.99292	-0.0354	0.44539	-0.01603	0.7297	-0.04259	0.35847	-0.10724
-0.05873	0.20522	-0.03985	0.3902	-0.0326	0.48225	-0.05342	0.24923	-0.06929
0.034116	0.46204	0.147745	0.00137	0.065875	0.15523	0.155529	0.00074	0.233661
0.037983	0.41283	0.176396	0.00013	0.076179	0.10013	0.199046	1.47E-05	0.229893
0.05227	0.25961	0.15611	0.00071	0.096139	0.03782	0.133465	0.00386	0.170469
0.04255	0.3589	0.215118	2.71E-06	0.111518	0.01591	0.22002	1.58E-06	0.420853
0.222693	1.17E-06	0.267234	4.45E-09	0.210707	4.37E-06	0.219557	1.66E-06	0.243442
0.008191	0.85986	0.127385	0.00584	0.058048	0.21052	0.131977	0.00428	0.219517
-0.01405	0.76206	0.083305	0.07209	0.019305	0.67733	0.100027	0.03068	0.211795
0.027541	0.55273	0.136166	0.00319	0.061083	0.1876	0.145089	0.00167	0.220423
0.024109	0.60329	0.003139	0.94606	0.024727	0.59403	-0.02548	0.58277	0.047702
0.044402	0.33835	0.096283	0.03753	0.049936	0.28152	0.109375	0.01806	0.123108
-0.01614	0.72794	0.051448	0.26719	0.014448	0.7555	0.057015	0.21877	0.091688
-0.06418	0.16615	0.055129	0.23442	-0.00524	0.91015	0.06427	0.16556	0.115809
0.007173	0.87714	0.158162	0.0006	0.048639	0.29422	0.188184	4.27E-05	0.355587
-0.00841	0.85615	0.009777	0.8331	-0.01725	0.71004	0.020614	0.65681	0.045586
0.114623	0.01319	0.106513	0.02133	0.066942	0.14863	0.106241	0.02166	0.138704
-0.04932	0.28746	0.022428	0.62879	-0.03432	0.45941	0.058429	0.20754	0.085563
0.043952	0.34327	0.108627	0.01887	0.036077	0.43669	0.129748	0.00498	0.164129
0.063871	0.16821	0.180777	8.55E-05	0.114172	0.01356	0.165823	0.00032	0.237625
-0.03132	0.4996	0.11882	0.01017	0.021797	0.63847	0.144765	0.00171	0.245039
-0.01821	0.69464	0.09018	0.05147	0.032169	0.488	0.094121	0.04205	0.192178
0.008391	0.85648	0.147144	0.00143	0.075775	0.10195	0.130729	0.00466	0.348597
0.067232	0.14688	0.209418	5.02E-06	0.105023	0.02322	0.22648	7.59E-07	0.317281
0.017481	0.70633	0.063748	0.16904	0.048824	0.29239	0.060287	0.19343	0.114804
-0.04581	0.32322	0.040823	0.37875	-0.01225	0.79173	0.065293	0.15892	0.097181
0.05529	0.23305	0.142839	0.00197	0.089664	0.05282	0.128674	0.00536	0.209071

0.010284	0.82458	0.214988	2.75E-06	0.066703	0.15009	0.266468	4.94E-09	0.380223
0.095934	0.03823	0.21995	1.59E-06	0.156182	0.00071	0.194768	2.25E-05	0.40523
0.006477	0.88899	0.140907	0.00227	0.065471	0.15778	0.13551	0.00335	0.267151
0.062992	0.17416	0.120266	0.00928	0.097597	0.03499	0.075903	0.10137	0.162581
0.047675	0.30391	0.108973	0.01849	0.07574	0.10211	0.099836	0.031	0.243771
0.029152	0.52973	0.154485	0.00081	0.06522	0.15939	0.178581	0.0001	0.094202
0.063563	0.17028	0.173011	0.00017	0.074283	0.10889	0.190566	3.40E-05	0.176555
0.173175	0.00017	0.301596	2.82E-11	0.137225	0.00296	0.358746	1.25E-15	0.401186
0.046473	0.31627	0.115396	0.01258	0.048746	0.29316	0.122798	0.00789	0.19368
-0.00098	0.98313	0.111908	0.01554	0.042762	0.35651	0.136504	0.00312	0.166658
-0.0807	0.0815	-0.04419	0.34071	-0.10592	0.02206	-0.00489	0.91611	0.059371
0.025	0.58996	0.145011	0.00168	0.080189	0.08344	0.16315	0.0004	0.204298
-0.00965	0.83531	0.093678	0.04303	0.014906	0.748	0.116719	0.0116	0.144114
0.107698	0.01992	0.285568	3.26E-10	0.167223	0.00028	0.291727	1.30E-10	0.428203
0.01004	0.82868	-0.02385	0.6072	-0.01942	0.67548	-0.03186	0.49224	-0.09681
-0.03484	0.45263	0.083063	0.07293	0.029088	0.53063	0.107758	0.01985	0.179482
0.001951	0.96646	0.077972	0.09237	0.019611	0.67252	0.093463	0.04351	0.148179
-0.06815	0.1414	0.069287	0.13489	-0.00642	0.89002	0.092633	0.04542	0.124661
0.00326	0.94399	0.154474	0.00081	0.062908	0.17474	0.174139	0.00016	0.253988
-0.02803	0.54562	0.106218	0.02169	0.035254	0.44723	0.119766	0.00958	0.2957
0.10185	0.02775	0.215939	2.48E-06	0.150751	0.00108	0.198452	1.56E-05	0.158479
-0.02301	0.61996	0.010601	0.81927	-0.00145	0.97505	0.013648	0.76864	0.001258
0.016364	0.7243	0.169341	0.00024	0.068838	0.13745	0.202309	1.05E-05	0.318351
0.021735	0.63944	0.044178	0.34079	0.016929	0.7152	0.038764	0.40328	0.063997
0.019181	0.67928	0.178877	0.0001	0.047829	0.30235	0.234617	2.92E-07	0.254885
0.059494	0.19937	0.301703	2.77E-11	0.116375	0.01185	0.357933	1.46E-15	0.408764
-0.00777	0.86695	0.187278	4.65E-05	0.039633	0.39281	0.243394	1.00E-07	0.379781
0.139267	0.00256	0.248549	5.26E-08	0.218524	1.87E-06	0.169378	0.00024	0.212297
0.013849	0.76533	0.161137	0.00047	0.064558	0.16368	0.179352	9.74E-05	0.259543
0.098571	0.0332	0.285575	3.25E-10	0.158145	0.0006	0.293043	1.06E-10	0.402453
0.039609	0.3931	0.294648	8.30E-11	0.111805	0.01564	0.354624	2.76E-15	0.350257
0.039736	0.39158	0.274721	1.57E-09	0.100148	0.03048	0.330755	2.20E-13	0.3103
0.035968	0.43808	0.181723	7.83E-05	0.065603	0.15694	0.206769	6.63E-06	0.42196
0.096815	0.03648	0.16817	0.00026	0.148023	0.00134	0.115488	0.01251	0.213029
-0.08552	0.0648	0.025024	0.58961	-0.04503	0.33153	0.063183	0.17285	0.063007
0.076422	0.09905	0.238491	1.83E-07	0.12204	0.00829	0.24699	6.40E-08	0.337785
-0.006	0.89709	0.106555	0.02128	0.046249	0.31862	0.109291	0.01815	0.176807
0.025282	0.58578	0.177133	0.00012	0.101778	0.02786	0.171829	0.00019	0.199826
0.059254	0.20119	0.090758	0.04999	0.063522	0.17055	0.084055	0.06956	0.073348
0.02419	0.60208	0.105324	0.02283	0.047102	0.30977	0.114887	0.01298	0.134748
0.016076	0.72897	0.068495	0.13942	0.06674	0.14987	0.041837	0.36701	0.076314
0.008067	0.86198	0.113368	0.01424	0.035143	0.44866	0.129682	0.005	0.166952
-0.07102	0.12536	0.006737	0.88456	-0.04202	0.36498	0.018198	0.69488	0.016803
0.039213	0.39786	0.12715	0.00593	0.056483	0.2231	0.134732	0.00353	0.140273
0.019898	0.668	0.141255	0.00222	0.09829	0.03371	0.125559	0.00659	0.189545



0.025905	0.57657	0.075909	0.10134	0.037747	0.41575	0.07576	0.10202	0.055465
0.024835	0.59241	0.07254	0.11747	0.036989	0.42518	0.080805	0.08109	0.207626
0.065516	0.1575	0.167581	0.00028	0.091753	0.04752	0.179616	9.50E-05	0.21818
0.057439	0.21536	0.122654	0.00797	0.091855	0.04727	0.105504	0.02259	0.23287
0.319282	1.58E-12	0.21348	3.24E-06	0.285407	3.34E-10	0.08536	0.06532	0.060282
0.029923	0.51889	0.068022	0.14218	0.04685	0.31236	0.069493	0.13373	0.046483
0.047259	0.30815	0.117679	0.01092	0.081932	0.07693	0.116048	0.01209	0.083889
0.244117	9.18E-08	0.158717	0.00058	0.199406	1.42E-05	0.081384	0.07893	0.080412
0.247043	6.36E-08	0.217709	2.04E-06	0.289471	1.82E-10	0.089513	0.05323	0.077261
0.025344	0.58485	0.079136	0.08759	0.0385	0.4065	0.086058	0.06314	0.06734
0.16078	0.00049	0.117504	0.01104	0.146757	0.00147	0.065858	0.15534	0.032328
0.061159	0.18706	0.053959	0.24451	0.076171	0.10017	0.011788	0.79944	0.002152
0.111672	0.01576	0.210771	4.34E-06	0.119211	0.00992	0.222057	1.26E-06	0.147726
0.04664	0.31453	0.095341	0.03945	0.065438	0.158	0.099472	0.03162	0.053801
0.127863	0.00566	0.1078	0.0198	0.112602	0.01491	0.072141	0.11951	0.043718
0.44572	3.56E-24	0.29658	6.17E-11	0.384461	6.72E-18	0.139952	0.00244	0.098793
0.063333	0.17183	0.167654	0.00027	0.116271	0.01192	0.169157	0.00024	0.207762
0.086125	0.06294	0.206533	6.80E-06	0.125807	0.00648	0.20547	7.60E-06	0.292375
0.159952	0.00052	0.27807	9.71E-10	0.232075	3.95E-07	0.213495	3.24E-06	0.22794
0.239219	1.68E-07	0.426185	4.95E-22	0.312154	5.17E-12	0.406707	4.97E-20	0.265616
0.177004	0.00012	0.127727	0.00571	0.147608	0.00138	0.08131	0.07921	0.043985
0.274331	1.66E-09	0.107983	0.01959	0.106464	0.02139	0.085294	0.06553	0.05931
0.129976	0.0049	0.175313	0.00014	0.143552	0.00187	0.142635	0.002	0.122499
0.031226	0.50084	0.093102	0.04433	0.050253	0.27848	0.113664	0.01398	0.047882
0.032197	0.48762	0.059554	0.19891	0.050269	0.27832	0.059673	0.19801	0.035816
0.052772	0.25506	0.119596	0.00969	0.073247	0.11393	0.137116	0.00299	0.072554
0.306046	1.39E-11	0.156219	0.0007	0.195683	2.06E-05	0.0782	0.09142	0.116362
0.183921	6.39E-05	0.184246	6.19E-05	0.16965	0.00023	0.141196	0.00223	0.231663
0.029023	0.53155	0.042728	0.35689	0.037402	0.42003	0.032325	0.48589	0.028037
0.07546	0.10339	0.147531	0.00139	0.08326	0.07225	0.159142	0.00056	0.063449
0.273718	1.80E-09	0.255955	2.02E-08	0.252609	3.12E-08	0.197515	1.71E-05	0.157159
0.132686	0.00407	0.132776	0.00405	0.096559	0.03698	0.128204	0.00553	0.098273
0.18551	5.50E-05	0.231149	4.41E-07	0.197375	1.74E-05	0.187765	4.44E-05	0.205473
0.154686	0.0008	0.128865	0.00529	0.147406	0.0014	0.070329	0.12911	0.046652
0.107718	0.01989	0.093293	0.0439	0.124144	0.00723	0.043465	0.34865	0.040479
0.123458	0.00756	0.122213	0.0082	0.142822	0.00197	0.074859	0.10617	0.124394
0.162071	0.00044	0.337228	6.97E-14	0.211893	3.85E-06	0.357589	1.56E-15	0.294877
0.104051	0.02453	0.162421	0.00043	0.096632	0.03684	0.161508	0.00046	0.202654
0.068047	0.14203	0.080201	0.0834	0.092548	0.04562	0.04224	0.36242	0.142918
0.227968	6.39E-07	0.370357	1.25E-16	0.34194	2.96E-14	0.267491	4.30E-09	0.166603
0.12627	0.00629	0.157672	0.00063	0.140616	0.00232	0.121428	0.00862	0.157443
0.071205	0.1244	0.089908	0.05218	0.072733	0.1165	0.08516	0.06595	0.075726
0.076142	0.1003	0.078153	0.09161	0.070688	0.12716	0.074688	0.10697	0.062466
0.235518	2.62E-07	0.273747	1.80E-09	0.1787	0.0001	0.301299	2.95E-11	0.249567
0.426938	4.12E-22	0.480296	2.53E-28	0.387864	3.25E-18	0.42468	7.15E-22	0.265866

0.319931	1.42E-12	0.5092	3.57E-32	0.368672	1.76E-16	0.484871	6.57E-29	0.321194
0.137304	0.00295	0.405284	6.88E-20	0.170563	0.00021	0.499366	8.01E-31	0.420544
0.069699	0.13258	0.243808	9.54E-08	0.116734	0.01159	0.316135	2.68E-12	0.160557
0.181124	8.28E-05	0.192317	2.86E-05	0.169616	0.00023	0.170756	0.00021	0.121613
0.059751	0.19742	0.109231	0.01821	0.076206	0.10001	0.088414	0.05623	0.223732
0.227871	6.47E-07	0.271646	2.41E-09	0.264154	6.78E-09	0.204306	8.58E-06	0.145845
0.123713	0.00744	0.282403	5.19E-10	0.171846	0.00019	0.294052	9.09E-11	0.357028
0.076316	0.09952	0.14517	0.00166	0.096633	0.03684	0.171884	0.00019	0.056089
0.250823	3.93E-08	0.50157	4.03E-31	0.321106	1.16E-12	0.507574	6.01E-32	0.536561
0.508949	3.87E-32	0.420704	1.87E-21	0.498978	9.04E-31	0.228401	6.08E-07	0.171154
0.104984	0.02327	0.097946	0.03434	0.073054	0.11489	0.092731	0.04519	0.034027
0.095112	0.03992	0.056318	0.22447	0.093101	0.04434	0.006369	0.89082	0.004865
0.135273	0.0034	0.066687	0.15019	0.10368	0.02505	0.031057	0.50318	0.00691
0.067471	0.14544	0.081822	0.07733	0.071401	0.12336	0.076577	0.09836	0.032817
0.01301	0.77917	0.023626	0.61056	0.015905	0.73174	0.025601	0.58105	0.0217
0.029325	0.52729	0.113228	0.01436	0.059192	0.20166	0.145108	0.00167	0.122871
0.034328	0.45927	0.061799	0.18247	0.043878	0.34408	0.077121	0.09599	0.05177
0.050218	0.27881	0.007797	0.86655	0.024825	0.59257	0.001204	0.97929	-0.00983
0.095206	0.03973	0.024132	0.60294	0.038731	0.40369	0.017134	0.71191	0.012985
0.121019	0.00885	0.163031	0.0004	0.163099	0.0004	0.11432	0.01344	0.159973
-0.12714	0.00594	-0.30512	1.61E-11	-0.22215	1.24E-06	-0.28205	5.46E-10	-0.41489
-0.13851	0.0027	-0.16541	0.00033	-0.13499	0.00347	-0.15087	0.00107	-0.23938
-0.14925	0.00122	-0.17586	0.00013	-0.15383	0.00085	-0.14227	0.00206	-0.2293
-0.09343	0.0436	-0.14262	0.002	-0.10891	0.01856	-0.15133	0.00104	-0.18612
-0.07552	0.10309	-0.1263	0.00628	-0.12686	0.00605	-0.08838	0.05633	-0.19511
-0.09772	0.03477	-0.17128	0.0002	-0.13658	0.0031	-0.15885	0.00057	-0.26222
-0.16054	0.0005	-0.15503	0.00077	-0.16345	0.00039	-0.11555	0.01246	-0.17913
0.015117	0.74455	-0.05173	0.26456	-0.03471	0.45422	-0.05232	0.25913	-0.05015
-0.11606	0.01208	-0.23281	3.62E-07	-0.18643	5.04E-05	-0.20191	1.10E-05	-0.30072
-0.11394	0.01375	-0.24693	6.45E-08	-0.17581	0.00013	-0.23585	2.52E-07	-0.38666
-0.15783	0.00062	-0.17659	0.00013	-0.17178	0.00019	-0.13922	0.00257	-0.24085
-0.11744	0.01109	-0.094	0.0423	-0.12959	0.00504	-0.05169	0.26496	-0.13453
-0.19878	1.51E-05	-0.20367	9.16E-06	-0.21531	2.66E-06	-0.14324	0.00192	-0.24061
0.249741	4.52E-08	0.182739	7.13E-05	0.256819	1.81E-08	0.071988	0.1203	0.164796
-0.19416	2.39E-05	-0.26279	8.15E-09	-0.20191	1.10E-05	-0.24846	5.31E-08	-0.36245
-0.14052	0.00234	-0.25047	4.12E-08	-0.1744	0.00015	-0.26254	8.43E-09	-0.33137
-0.11037	0.01703	-0.11868	0.01026	-0.12844	0.00544	-0.0862	0.06271	-0.14705
-0.11985	0.00953	-0.04945	0.28626	-0.11619	0.01198	0.003855	0.93378	0.008011
-0.13817	0.00277	-0.20264	1.02E-05	-0.17707	0.00012	-0.17868	0.0001	-0.28754
-0.15405	0.00084	-0.20067	1.25E-05	-0.18132	8.13E-05	-0.16481	0.00035	-0.28336
-0.20138	1.16E-05	-0.12507	0.0068	-0.18838	4.19E-05	-0.05121	0.26937	-0.12447
-0.18287	7.05E-05	-0.18582	5.34E-05	-0.19201	2.95E-05	-0.11875	0.01022	-0.22673
-0.26081	1.06E-08	-0.3123	5.05E-12	-0.26725	4.44E-09	-0.26578	5.43E-09	-0.39196
-0.0871	0.06	-0.13845	0.00272	-0.11614	0.01202	-0.11661	0.01168	-0.13167
-0.16664	0.0003	-0.23313	3.49E-07	-0.17455	0.00015	-0.222	1.27E-06	-0.37014

-0.17054	0.00021	-0.20678	6.63E-06	-0.20077	1.23E-05	-0.15704	0.00066	-0.27357
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-0.03982	0.39057	-0.01396	0.76356	-0.0631	0.17344	0.024798	0.59297	5.33E-05
-0.22805	6.33E-07	-0.22793	6.42E-07	-0.21169	3.93E-06	-0.19692	1.82E-05	-0.25589
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-0.17866	0.0001	-0.29324	1.03E-10	-0.2047	8.24E-06	-0.29034	1.60E-10	-0.39594
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-0.13281	0.00404	-0.18451	6.04E-05	-0.16779	0.00027	-0.15453	0.00081	-0.24554
-0.18955	3.74E-05	-0.22405	1.00E-06	-0.19212	2.92E-05	-0.18072	8.59E-05	-0.29829
-0.15321	0.0009	-0.12772	0.00571	-0.14837	0.0013	-0.09794	0.03435	-0.10696
-0.17978	9.36E-05	-0.10783	0.01977	-0.15536	0.00075	-0.04745	0.30621	-0.10335
-0.19538	2.12E-05	-0.27611	1.29E-09	-0.21806	1.96E-06	-0.24291	1.07E-07	-0.43982
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-0.17978	9.36E-05	-0.11393	0.01376	-0.15679	0.00067	-0.06451	0.16399	-0.04505
-0.14789	0.00135	-0.12896	0.00525	-0.13739	0.00293	-0.081	0.08037	-0.16389
-0.15625	0.0007	-0.1152	0.01273	-0.16009	0.00052	-0.05827	0.20877	-0.11485
-0.15931	0.00055	-0.20329	9.52E-06	-0.15535	0.00076	-0.18995	3.60E-05	-0.33536
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0.166975	0.00029	0.207462	6.17E-06	0.197994	1.63E-05	0.1786	0.0001	0.09241
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-0.18184	7.75E-05	-0.13164	0.00438	-0.17683	0.00012	-0.07121	0.12435	-0.12516
-0.06347	0.1709	-0.16057	0.0005	-0.10907	0.01838	-0.16874	0.00025	-0.22357
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-0.14904	0.00124	-0.14107	0.00225	-0.12219	0.00821	-0.1177	0.01091	-0.21563
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-0.19694	1.82E-05	-0.21752	2.08E-06	-0.20437	8.52E-06	-0.18918	3.88E-05	-0.24947
-0.10667	0.02114	-0.15268	0.00093	-0.15342	0.00088	-0.12076	0.009	-0.17825
-0.03525	0.44728	-0.11529	0.01267	-0.06963	0.13295	-0.14146	0.00218	-0.15338
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-0.08179	0.07744	-0.24852	5.28E-08	-0.17008	0.00022	-0.24467	8.57E-08	-0.39656
-0.12226	0.00817	-0.18779	4.43E-05	-0.17281	0.00017	-0.14611	0.00155	-0.29171
-0.21571	2.54E-06	-0.25823	1.50E-08	-0.21936	1.70E-06	-0.21761	2.06E-06	-0.3038
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-0.09892	0.03259	-0.02592	0.57636	-0.06874	0.13801	0.010461	0.82162	-0.10948
-0.112	0.01546	-0.16248	0.00042	-0.16717	0.00029	-0.11524	0.0127	-0.15761
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-0.25906	1.34E-08	-0.27365	1.82E-09	-0.27133	2.52E-09	-0.21063	4.41E-06	-0.30028
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-0.13112	0.00454	-0.14944	0.0012	-0.15483	0.00079	-0.11134	0.01608	-0.13187
-0.13673	0.00307	-0.04395	0.34331	-0.102	0.02751	0.00122	0.97902	-0.02505

-0.18254	7.26E-05	-0.19986	1.35E-05	-0.21733	2.13E-06	-0.1367	0.00308	-0.24832
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-0.11463	0.01318	-0.16306	0.0004	-0.11977	0.00958	-0.17193	0.00019	-0.18658
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0.007897	0.86486	-0.0939	0.04254	-0.07589	0.10143	-0.08648	0.06186	-0.09909
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-0.20944	5.00E-06	-0.21928	1.72E-06	-0.22717	7.01E-07	-0.16811	0.00026	-0.22772
-0.2066	6.75E-06	-0.23836	1.86E-07	-0.21412	3.03E-06	-0.1981	1.62E-05	-0.25585
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-0.21999	1.59E-06	-0.09998	0.03075	-0.16378	0.00038	-0.04319	0.35166	-0.03378
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0.024082	0.60369	-0.08274	0.07406	-0.03185	0.49229	-0.11312	0.01445	-0.10026
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0.09893	0.03256	0.010549	0.82015	0.087539	0.05872	-0.04823	0.29834	-0.06126
0.113865	0.01381	0.053987	0.24427	0.112737	0.01479	0.006285	0.89225	0.018575
0.098795	0.0328	0.001273	0.97811	0.097091	0.03595	-0.05886	0.20422	-0.13654
0.0747	0.10692	0.03669	0.42893	0.11536	0.01261	-0.01825	0.69399	-0.05386
0.111438	0.01599	0.027546	0.55265	0.104738	0.0236	-0.03062	0.50915	-0.05459
0.1199	0.0095	0.015424	0.73956	0.103829	0.02484	-0.04103	0.37635	-0.08203
0.077108	0.09605	-0.02755	0.55264	0.068608	0.13877	-0.0794	0.08655	-0.14821
0.090654	0.05025	0.014508	0.75452	0.121185	0.00875	-0.06089	0.189	-0.14274
0.122507	0.00804	-0.00305	0.94757	0.088212	0.0568	-0.06059	0.19118	-0.1085
0.141483	0.00218	0.028618	0.5373	0.080169	0.08352	-0.00716	0.87738	-0.02015
0.133104	0.00396	0.063284	0.17216	0.106534	0.0213	0.019148	0.67982	0.047611
0.076889	0.097	-0.00623	0.89321	0.080468	0.08237	-0.07163	0.12213	-0.0933
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-0.20004	1.33E-05	-0.25142	3.64E-08	-0.20674	6.66E-06	-0.23158	4.19E-07	-0.23358
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-0.17703	0.00012	-0.11975	0.00959	-0.14916	0.00123	-0.07146	0.12306	-0.09692
0.035743	0.44095	0.00692	0.88144	0.040591	0.38147	-0.05142	0.26742	0.005237
-0.28467	3.72E-10	-0.25665	1.85E-08	-0.24228	1.15E-07	-0.21588	2.50E-06	-0.3215
-0.0529	0.25394	-0.08363	0.07098	-0.11313	0.01444	-0.03855	0.40586	-0.10952
-0.0676	0.14466	-0.06318	0.17285	-0.05955	0.19896	-0.05821	0.20928	0.035284
-0.18085	8.49E-05	-0.18735	4.62E-05	-0.1926	2.79E-05	-0.14122	0.00222	-0.2229
-0.22879	5.81E-07	-0.14551	0.00162	-0.19132	3.15E-05	-0.09185	0.04729	-0.09211
-0.0652	0.15952	-0.09052	0.0506	-0.09787	0.03448	-0.06731	0.14639	-0.12746
-0.15296	0.00091	-0.23792	1.97E-07	-0.16708	0.00029	-0.23761	2.04E-07	-0.32808
-0.05375	0.24636	-0.11813	0.01062	-0.13248	0.00413	-0.0791	0.08772	-0.14407
-0.172	0.00019	-0.09563	0.03886	-0.13225	0.0042	-0.0541	0.24327	-0.09273
-0.16849	0.00025	-0.04244	0.3602	-0.13059	0.0047	0.020228	0.66283	-0.04705
-0.12385	0.00737	-0.07591	0.10133	-0.12956	0.00504	-0.01551	0.7382	-0.13575
-0.2163	2.38E-06	-0.27964	7.75E-10	-0.23963	1.60E-07	-0.22468	9.33E-07	-0.40744
-0.15156	0.00102	-0.22164	1.32E-06	-0.15895	0.00057	-0.22527	8.72E-07	-0.30141
-0.15074	0.00109	-0.13022	0.00482	-0.14017	0.0024	-0.09904	0.03237	-0.16956
-0.09124	0.04879	-0.19395	2.44E-05	-0.1654	0.00033	-0.16932	0.00024	-0.28201
-0.10019	0.03041	0.002898	0.95019	-0.08152	0.07841	0.067353	0.14615	0.071959
0.040433	0.38333	0.097139	0.03586	0.054396	0.24071	0.101526	0.02825	0.149064
-0.16843	0.00026	-0.03495	0.45118	-0.10877	0.01871	0.02252	0.62737	0.0018
-0.13943	0.00253	-0.17791	0.00011	-0.14893	0.00125	-0.16457	0.00036	-0.21347
-0.05446	0.24016	-0.15026	0.00113	-0.11845	0.01041	-0.13667	0.00308	-0.13733
-0.19312	2.65E-05	-0.1949	2.22E-05	-0.18437	6.12E-05	-0.16332	0.00039	-0.28872

-0.14863	0.00128	-0.12974	0.00499	-0.1367	0.00308	-0.10763	0.02	-0.18396
-0.14715	0.00143	-0.24767	5.87E-08	-0.20315	9.67E-06	-0.21125	4.12E-06	-0.39979
-0.18223	7.48E-05	-0.08493	0.06668	-0.13722	0.00296	-0.03609	0.43648	0.000297
-0.12851	0.00542	-0.19014	3.54E-05	-0.16261	0.00042	-0.16439	0.00036	-0.19003
-0.22302	1.13E-06	-0.11405	0.01366	-0.14216	0.00207	-0.07245	0.11793	-0.13445
-0.15618	0.00071	-0.13679	0.00306	-0.13376	0.00378	-0.11228	0.0152	-0.18397
-0.10167	0.02802	-0.2052	7.81E-06	-0.17246	0.00018	-0.16859	0.00025	-0.31968
-0.15898	0.00056	-0.15489	0.00078	-0.16681	0.00029	-0.10643	0.02142	-0.16781
-0.11594	0.01217	-0.14144	0.00218	-0.15194	0.00099	-0.10624	0.02167	-0.09225
-0.00799	0.86322	-0.04216	0.36337	-0.10339	0.02547	0.009249	0.842	0.005038
-0.12657	0.00616	-0.17469	0.00015	-0.17293	0.00017	-0.13291	0.00401	-0.22177
-0.10978	0.01764	-0.05777	0.2127	-0.10704	0.02068	-0.01767	0.70331	0.066941
-0.11316	0.01442	-0.09832	0.03367	-0.13764	0.00288	-0.052	0.26207	-0.13213
-0.13295	0.004	-0.08043	0.08251	-0.09164	0.0478	-0.06846	0.13961	-0.04068
-0.03431	0.45955	-0.15992	0.00052	-0.07886	0.08871	-0.18173	7.83E-05	-0.19787
-0.18923	3.86E-05	-0.18993	3.61E-05	-0.18202	7.62E-05	-0.16352	0.00039	-0.22689
-0.16955	0.00023	-0.12328	0.00765	-0.14464	0.00173	-0.06966	0.13282	-0.14317
-0.1264	0.00624	-0.03624	0.43463	-0.08427	0.06886	0.002779	0.95223	-0.07112
-0.22881	5.80E-07	-0.28471	3.70E-10	-0.24079	1.39E-07	-0.24803	5.61E-08	-0.36239
-0.12789	0.00565	-0.14041	0.00236	-0.16666	0.0003	-0.0853	0.06552	-0.1838
-0.20612	7.10E-06	-0.15026	0.00113	-0.16305	0.0004	-0.10685	0.02092	-0.22696
-0.17528	0.00014	-0.16606	0.00031	-0.16763	0.00027	-0.12668	0.00612	-0.20185
-0.1136	0.01404	-0.10691	0.02084	-0.10498	0.02328	-0.08571	0.06421	-0.11372
-0.18357	6.60E-05	-0.25449	2.45E-08	-0.21394	3.09E-06	-0.22401	1.01E-06	-0.28052
-0.16829	0.00026	-0.18951	3.76E-05	-0.16266	0.00042	-0.16207	0.00044	-0.21755
-0.09028	0.05122	-0.11149	0.01594	-0.11795	0.01074	-0.07613	0.10033	-0.2239
-0.16342	0.00039	-0.15562	0.00074	-0.19142	3.13E-05	-0.08768	0.05831	-0.22099
-0.17947	9.63E-05	-0.1829	7.02E-05	-0.1816	7.92E-05	-0.1439	0.00182	-0.1554
-0.19943	1.41E-05	-0.24629	7.00E-08	-0.19474	2.26E-05	-0.23696	2.21E-07	-0.29438
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-0.08951	0.05323	-0.18749	4.56E-05	-0.16931	0.00024	-0.14892	0.00125	-0.19451
-0.09671	0.03669	-0.1132	0.01438	-0.12985	0.00495	-0.06525	0.15921	-0.05664
-0.13066	0.00468	-0.28679	2.72E-10	-0.19476	2.25E-05	-0.28509	3.50E-10	-0.36939
-0.20687	6.57E-06	-0.21828	1.92E-06	-0.21243	3.63E-06	-0.16636	0.00031	-0.27315
-0.06303	0.17389	-0.06567	0.15653	-0.07947	0.08628	-0.04168	0.36887	-0.11447
-0.17959	9.53E-05	-0.0946	0.041	-0.15616	0.00071	-0.03893	0.40132	-0.03659
0.065494	0.15764	-0.03024	0.51454	-0.00184	0.9683	-0.05076	0.27363	-0.00107
-0.11343	0.01418	-0.15464	0.0008	-0.11686	0.01149	-0.14292	0.00196	-0.17518
-0.15152	0.00102	-0.15767	0.00063	-0.13299	0.00399	-0.13675	0.00307	-0.18128
-0.19406	2.42E-05	-0.21115	4.17E-06	-0.22744	6.80E-07	-0.15245	0.00095	-0.22266
-0.17951	9.59E-05	-0.22514	8.85E-07	-0.19707	1.79E-05	-0.20076	1.23E-05	-0.24129
-0.07656	0.09843	0.045481	0.32673	-0.04337	0.34972	0.09917	0.03214	0.110045
-0.11136	0.01606	-0.14514	0.00166	-0.11144	0.01599	-0.15531	0.00076	-0.14202
-0.15173	0.001	-0.2546	2.41E-08	-0.18682	4.86E-05	-0.24164	1.25E-07	-0.4079
-0.10695	0.02079	-0.16754	0.00028	-0.17159	0.00019	-0.11908	0.01	-0.22291

-0.16942	0.00024	-0.18072	8.59E-05	-0.1637	0.00038	-0.16514	0.00034	-0.21031
-0.1951	2.18E-05	-0.23725	2.13E-07	-0.21743	2.10E-06	-0.18042	8.83E-05	-0.32081
-0.10428	0.02422	-0.18976	3.67E-05	-0.16805	0.00026	-0.16235	0.00043	-0.27914
-0.17373	0.00016	-0.17412	0.00016	-0.13521	0.00342	-0.17429	0.00015	-0.25024
-0.16585	0.00032	-0.089	0.0546	-0.12445	0.00709	-0.05014	0.27951	-0.07327
0.002957	0.94918	-0.12105	0.00883	-0.07566	0.10247	-0.12575	0.00651	-0.22326
-0.14686	0.00146	-0.14734	0.00141	-0.14442	0.00175	-0.12538	0.00667	-0.15431
-0.16123	0.00047	-0.1416	0.00216	-0.17358	0.00016	-0.09143	0.04831	-0.13779
-0.10936	0.01807	-0.04132	0.37302	-0.0775	0.09436	-0.00818	0.86008	-0.02947
-0.13471	0.00354	-0.2348	2.86E-07	-0.10913	0.01832	-0.28079	6.56E-10	-0.37094
-0.11734	0.01115	-0.06005	0.19517	-0.09845	0.03342	-0.02102	0.65053	-0.04378
-0.13837	0.00273	-0.22765	6.63E-07	-0.18333	6.75E-05	-0.20125	1.17E-05	-0.3253
-0.17125	0.0002	-0.22097	1.42E-06	-0.20558	7.52E-06	-0.18481	5.87E-05	-0.30674
-0.06838	0.14009	-0.17556	0.00014	-0.13912	0.00259	-0.15542	0.00075	-0.18588
-0.14252	0.00202	-0.10722	0.02048	-0.13776	0.00285	-0.07266	0.11688	-0.07954
-0.28365	4.32E-10	-0.24141	1.28E-07	-0.22299	1.13E-06	-0.1975	1.72E-05	-0.27834
-0.11275	0.01477	-0.08897	0.0547	-0.14384	0.00183	-0.0268	0.5634	-0.11434
-0.10095	0.02917	-0.21314	3.37E-06	-0.19369	2.50E-05	-0.17882	0.0001	-0.27555
-0.15703	0.00066	-0.13384	0.00376	-0.13654	0.00311	-0.09674	0.03664	-0.22498
-0.2134	3.27E-06	-0.18836	4.20E-05	-0.1831	6.89E-05	-0.13536	0.00338	-0.29188
-0.01313	0.77722	0.063225	0.17256	0.030676	0.50842	0.066508	0.15129	0.085072
-0.07115	0.12467	-0.04365	0.34663	-0.04129	0.3733	-0.06021	0.19397	-0.13334
0.102108	0.02735	0.037573	0.4179	0.084803	0.0671	-0.00402	0.93087	-0.08016
-0.01548	0.73867	0.085669	0.06435	0.00176	0.96974	0.120833	0.00895	0.081655
-0.06434	0.1651	0.051472	0.26696	-0.02461	0.59575	0.078948	0.08835	0.105549
-0.03223	0.48723	0.129648	0.00502	0.019455	0.67496	0.154986	0.00078	0.233153
0.05213	0.26089	0.262626	8.33E-09	0.13289	0.00402	0.27472	1.57E-09	0.397837
-0.04504	0.33139	0.097338	0.03548	0.032965	0.4773	0.092494	0.04574	0.143806
-0.0236	0.61103	0.137416	0.00292	0.03982	0.39059	0.162592	0.00042	0.304145
-0.03588	0.4392	0.055264	0.23327	-0.00792	0.86452	0.080258	0.08318	0.078323
0.041366	0.37244	0.106641	0.02117	0.06961	0.13308	0.101162	0.02883	0.104245
-0.00593	0.89825	-0.03391	0.46477	-0.04979	0.28291	-0.01915	0.67982	-0.03584
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0.032321	0.48595	0.01655	0.7213	0.043656	0.34654	-0.01199	0.79607	-0.06379
-0.07233	0.11852	0.026329	0.57034	-0.00269	0.9538	0.021213	0.64749	0.065229
-0.01104	0.81195	-0.01727	0.70973	-0.01803	0.69753	-0.03199	0.4904	-0.14194
-0.02992	0.519	0.069165	0.13558	0.020987	0.651	0.065953	0.15474	0.069149
-0.01625	0.72614	0.110065	0.01734	0.034228	0.46058	0.116233	0.01195	0.142215
0.000397	0.99317	-0.00062	0.98928	0.015077	0.74522	-0.02835	0.54109	-0.11897
-0.11449	0.0133	0.019417	0.67556	-0.0555	0.23128	0.048682	0.2938	0.04835
-0.06034	0.19301	0.03227	0.48663	-0.02065	0.6563	0.052362	0.25878	0.023319
-0.05429	0.24161	0.062542	0.17726	-0.00123	0.97883	0.078056	0.09202	0.091691
-0.07605	0.10073	0.024528	0.59701	-0.02569	0.57967	0.037643	0.41704	0.017014
-0.06194	0.18148	0.076438	0.09898	0.009039	0.84554	0.09351	0.04341	0.156573

0.123636	0.00748	0.199642	1.38E-05	0.208397	5.59E-06	0.10971	0.01771	0.144914
0.020941	0.65172	-0.04328	0.35075	0.020406	0.66005	-0.08349	0.07145	-0.16692
0.089511	0.05323	0.046005	0.32118	0.046606	0.31489	0.012909	0.78084	0.13097
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0.002418	0.95844	0.071744	0.12156	0.029746	0.52136	0.078584	0.08983	0.02004
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0.083838	0.07028	0.106763	0.02102	0.085246	0.06568	0.08682	0.06083	0.130922
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-0.04236	0.3611	0.029194	0.52913	-0.00873	0.85077	0.037757	0.41562	-0.01261
-0.04001	0.38835	0.007783	0.86678	-0.03329	0.47293	0.023193	0.61712	0.007607
-0.0061	0.89533	0.022783	0.62337	0.008604	0.85288	0.017592	0.70456	-0.07246
-0.04502	0.33161	-0.02209	0.63403	-0.03494	0.45124	-0.01481	0.74962	-0.02254
0.034845	0.45252	0.068674	0.13839	0.041706	0.36852	0.055863	0.22823	0.009995
0.01692	0.71535	0.15017	0.00113	0.056627	0.22193	0.162315	0.00043	0.262378
-0.05656	0.22244	0.052895	0.25395	-0.00902	0.84592	0.057301	0.21647	0.097578
-0.03258	0.48245	0.087417	0.05907	0.020181	0.66357	0.095127	0.03989	0.162608
0.02923	0.52863	0.111814	0.01563	0.047535	0.30533	0.119599	0.00968	0.256644
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-0.00295	0.9493	0.025832	0.57764	0.020266	0.66224	0.001286	0.97789	-0.03769
0.111361	0.01606	0.074866	0.10614	0.09822	0.03384	0.03455	0.45635	0.018277
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0.012437	0.78866	0.145472	0.00162	0.060704	0.19036	0.157498	0.00064	0.22031
0.053226	0.25099	0.047596	0.30471	0.017473	0.70647	0.051094	0.2705	0.150457
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0.022495	0.62776	0.128692	0.00535	0.093826	0.0427	0.102397	0.02692	0.127323
-0.01128	0.80794	0.045837	0.32295	0.031795	0.49307	0.031433	0.49802	0.114392
-0.07157	0.12246	0.058959	0.20344	-0.01348	0.77146	0.0779	0.09267	0.146994
0.077667	0.09366	0.113735	0.01392	0.118023	0.01069	0.062932	0.17457	0.16014
0.062618	0.17673	0.050434	0.27675	0.010907	0.81414	0.057395	0.21571	0.053503
-0.07086	0.12626	-0.00733	0.8744	-0.02646	0.56844	-0.00941	0.83929	-0.01699
-0.04252	0.3592	0.005222	0.91038	-0.03309	0.47564	0.023509	0.61234	0.007117
-0.18944	3.78E-05	-0.18098	8.39E-05	-0.15526	0.00076	-0.16522	0.00034	-0.25564
0.033331	0.47241	0.166464	0.0003	0.091314	0.04859	0.162156	0.00043	0.289713
-0.00741	0.87315	0.009257	0.84187	-0.00047	0.99197	0.007274	0.87542	-0.01205
-0.02404	0.60429	-0.03412	0.46196	-0.04276	0.35648	-0.03511	0.44905	-0.1095
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0.020713	0.65526	0.107108	0.02061	0.033258	0.47338	0.116425	0.01181	0.211437
0.023812	0.60775	0.071632	0.12215	0.015424	0.73956	0.074873	0.10611	0.169704
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0.08592	0.06357	0.006074	0.89584	0.053731	0.24651	-0.0241	0.60335	-0.0575
0.001235	0.97877	0.131086	0.00455	0.019424	0.67545	0.166221	0.00031	0.283293
-0.12503	0.00682	0.064747	0.16244	-0.04084	0.37854	0.121291	0.0087	0.290005



-0.02234	0.63011	0.195662	2.06E-05	0.055319	0.23281	0.240488	1.44E-07	0.406647
0.073796	0.11124	-0.08945	0.05338	0.025749	0.57886	-0.15276	0.00093	-0.31579
-0.07145	0.12309	0.049508	0.28567	-0.03677	0.42789	0.09258	0.04554	0.134748
-0.10409	0.02448	0.06106	0.18776	-0.00736	0.87402	0.072165	0.11939	0.197599
-0.10281	0.02631	0.020977	0.65116	-0.05109	0.27054	0.05621	0.22535	0.135462
-0.18827	4.23E-05	-0.07827	0.09114	-0.1247	0.00697	-0.03873	0.40375	-0.05941
-0.07632	0.09949	0.054264	0.24185	-0.01169	0.80106	0.076276	0.0997	0.139332
-0.08981	0.05244	-0.04383	0.34458	-0.06514	0.15988	-0.03173	0.49393	-0.02285
-0.12015	0.00935	-0.00358	0.93857	-0.05731	0.21638	0.014049	0.76204	0.128614
-0.09935	0.03184	0.079878	0.08465	-0.01141	0.80569	0.112742	0.01478	0.219907
-0.06596	0.15469	0.078848	0.08876	-0.01362	0.76912	0.115665	0.01238	0.200799
-0.0761	0.10047	0.062139	0.18007	0.004352	0.92527	0.067084	0.14778	0.09763
-0.03911	0.3991	0.130109	0.00486	0.029099	0.53047	0.164847	0.00035	0.299191
-0.20164	1.13E-05	-0.11824	0.01055	-0.1597	0.00053	-0.06186	0.18204	-0.07906
-0.07873	0.08924	-0.02707	0.55951	-0.06893	0.13689	0.013361	0.77337	0.067587
-0.15646	0.00069	-0.0227	0.6247	-0.07609	0.10055	0.016097	0.72863	0.012292
-0.08592	0.06358	0.088731	0.05535	0.004324	0.92575	0.123295	0.00764	0.1125
-0.0196	0.67274	0.095392	0.03934	0.063782	0.16881	0.077482	0.09444	0.176025
0.034253	0.46024	0.178593	0.0001	0.07728	0.0953	0.191468	3.11E-05	0.399926
-0.13328	0.00391	-0.03257	0.48265	-0.09465	0.04091	0.007687	0.86842	0.073626
-0.03713	0.42345	0.162878	0.00041	0.060794	0.1897	0.189326	3.83E-05	0.325931
-0.11399	0.01371	0.039887	0.38979	-0.03268	0.48112	0.069729	0.13241	0.175002
-0.02982	0.52033	0.107171	0.02053	0.024658	0.59506	0.130825	0.00463	0.311556
-0.07299	0.11523	0.094265	0.04173	0.004544	0.92198	0.12446	0.00708	0.249528
-0.05311	0.25201	0.096988	0.03615	-0.00059	0.98981	0.137832	0.00284	0.256899
-0.00696	0.88069	0.066672	0.15028	-0.01253	0.78712	0.111262	0.01615	0.079808
-0.0504	0.27711	0.047374	0.30698	-0.02517	0.58748	0.073461	0.11288	0.214152
-0.07311	0.11461	0.016303	0.7253	-0.04135	0.37265	0.044297	0.33949	0.093518
-0.07781	0.09306	0.067828	0.14332	-0.03172	0.49415	0.12838	0.00546	0.187663
-0.01603	0.72974	-0.00155	0.97332	-0.02607	0.57415	0.015022	0.7461	0.04024
-0.02587	0.57706	0.123884	0.00736	0.051438	0.26728	0.133954	0.00373	0.176224
-0.00485	0.91667	0.040483	0.38274	-0.00665	0.88607	0.044109	0.34155	0.111029
-0.0975	0.03517	0.119444	0.00978	-0.00439	0.92468	0.172294	0.00018	0.254254
0.010014	0.82913	0.127351	0.00585	0.026533	0.56736	0.171678	0.00019	0.295718
-0.05536	0.23248	-0.03961	0.39304	-0.02419	0.6021	-0.04299	0.35396	-0.05012
0.012615	0.78571	0.108843	0.01863	0.030128	0.51603	0.126846	0.00605	0.233705
0.172511	0.00018	-0.01109	0.81106	0.076863	0.09711	-0.06853	0.1392	-0.11008
0.034143	0.46169	0.174399	0.00015	0.095341	0.03945	0.175478	0.00014	0.331761
-0.08803	0.05731	0.020515	0.65835	-0.05841	0.20766	0.058408	0.2077	6.76E-05
-0.04565	0.32494	0.127617	0.00575	0.017612	0.70424	0.166807	0.00029	0.287126
-0.00348	0.94013	0.08852	0.05593	0.027854	0.54822	0.114845	0.01301	0.172907
0.008297	0.85807	0.075834	0.10168	0.063116	0.17331	0.045453	0.32703	0.15695
-0.1381	0.00278	-0.01643	0.72324	-0.06814	0.14148	0.011702	0.80088	0.112328
-0.0947	0.0408	0.068093	0.14176	-0.0354	0.44532	0.112855	0.01468	0.179195
-0.02451	0.59726	0.18703	4.76E-05	0.062233	0.17941	0.224657	9.36E-07	0.372719

-0.1289	0.00528	0.015782	0.73373	-0.06161	0.18381	0.052758	0.25519	0.168435
-0.19571	2.05E-05	-0.07869	0.08938	-0.13095	0.00459	-0.04056	0.38188	0.004777
-0.1469	0.00146	0.011966	0.79648	-0.07936	0.08668	0.07358	0.11229	0.106298
-0.13831	0.00274	0.010579	0.81963	-0.07518	0.10465	0.061644	0.18358	0.080864
-0.15193	0.00099	-0.02754	0.55268	-0.09795	0.03433	0.023533	0.61197	0.063107
-0.02388	0.60673	0.073828	0.11109	0.005883	0.8991	0.113921	0.01377	0.157841
-0.04525	0.32923	0.188811	4.02E-05	0.042463	0.35988	0.233846	3.21E-07	0.433758
-0.02518	0.58728	0.161968	0.00044	0.049377	0.28695	0.196685	1.86E-05	0.404052
-0.15222	0.00097	0.033423	0.47119	-0.05695	0.21933	0.075149	0.10482	0.114771
-0.02008	0.6652	0.091426	0.04832	0.01899	0.68232	0.108827	0.01865	0.216932
-0.19292	2.70E-05	-0.12021	0.00932	-0.15575	0.00073	-0.07485	0.10623	-0.04375
-0.06686	0.14914	0.076787	0.09744	-0.00251	0.95691	0.111127	0.01628	0.122896
-0.06859	0.13887	0.145385	0.00163	0.031242	0.50062	0.196541	1.89E-05	0.213586
-0.07148	0.12293	0.039007	0.40034	-0.02688	0.56224	0.067333	0.14627	0.084581
-0.1757	0.00014	-0.01695	0.71492	-0.08948	0.0533	0.03163	0.49533	0.111497
-0.05956	0.19886	0.081198	0.07962	-0.00575	0.90144	0.111626	0.01581	0.245962
-0.11188	0.01557	-0.00407	0.93012	-0.04214	0.36358	0.016169	0.72746	0.077278
-0.02148	0.64332	0.077216	0.09558	0.027742	0.54982	0.086681	0.06125	0.214767
-0.03384	0.46566	0.080977	0.08044	0.011852	0.79837	0.092908	0.04478	0.213342
-0.14051	0.00234	-0.00122	0.979	-0.06176	0.18274	0.007619	0.86956	0.045653
-0.12072	0.00902	0.059437	0.1998	-0.03659	0.43025	0.104747	0.02359	0.228348
-0.1072	0.0205	0.061773	0.18265	-0.01622	0.72663	0.104638	0.02373	0.156383
-0.04464	0.3358	0.069799	0.13202	-0.00192	0.96695	0.093396	0.04366	0.176632
-0.06382	0.16858	0.045945	0.32181	-0.02531	0.58531	0.078758	0.08912	0.076864
-0.06526	0.15914	0.088456	0.05611	-0.0063	0.89207	0.127772	0.00569	0.235553
-0.20315	9.66E-06	-0.07446	0.10806	-0.1123	0.01518	-0.04257	0.35866	-0.01482
-0.05573	0.22937	0.019986	0.66662	-0.04566	0.32479	0.068322	0.14042	0.149825
0.020586	0.65724	0.217281	2.14E-06	0.051624	0.26555	0.288729	2.03E-10	0.385986
-0.1254	0.00666	0.060623	0.19095	-0.05319	0.25131	0.119015	0.01005	0.249568
-0.02007	0.66529	0.064798	0.16211	0.002689	0.95378	0.095042	0.04007	0.151819
-0.06189	0.18183	0.100978	0.02912	-0.00815	0.86065	0.150406	0.00111	0.218942
-0.03181	0.49281	0.093273	0.04394	0.074668	0.10707	0.047298	0.30775	0.21446
-0.1421	0.00208	0.054988	0.23562	-0.03964	0.39269	0.110003	0.0174	0.231852
-0.12973	0.00499	-0.00538	0.90776	-0.07035	0.12899	0.040297	0.38494	0.035778
-0.0552	0.23382	0.097677	0.03484	-0.01913	0.68008	0.156585	0.00068	0.273376
-0.04359	0.34724	0.096919	0.03628	0.017774	0.70165	0.113208	0.01437	0.224147
-0.04072	0.37997	-0.01286	0.78157	-0.04128	0.37345	0.002636	0.95469	0.090742
-0.01373	0.76736	0.065622	0.15683	0.003424	0.94118	0.0888	0.05516	0.340453
0.041963	0.36557	-0.10201	0.02751	-0.03536	0.44584	-0.13071	0.00466	-0.22056
-0.04996	0.28129	0.126177	0.00633	0.033656	0.4681	0.149792	0.00117	0.351594
-0.07154	0.12262	-0.05683	0.22023	-0.04871	0.29357	-0.0425	0.35946	-0.09756
-0.06481	0.16203	0.120714	0.00902	0.02906	0.53103	0.13683	0.00305	0.321279
-0.08628	0.06246	0.032935	0.47769	-0.04571	0.32433	0.085275	0.06559	0.237936
-0.01527	0.74198	0.09503	0.0401	0.046388	0.31717	0.091783	0.04744	0.179598
-0.2341	3.11E-07	-0.10359	0.02518	-0.13561	0.00332	-0.05041	0.27694	-0.02436

-0.13045	0.00475	-0.06417	0.1662	-0.07195	0.12051	-0.04629	0.31819	-0.05293
-0.04852	0.29541	0.000816	0.98597	-0.00378	0.93509	-0.01472	0.75102	-0.02989
-0.13315	0.00395	-0.00976	0.83333	-0.09376	0.04285	0.050127	0.27968	0.113779
-0.12772	0.00571	-0.02444	0.59838	-0.05442	0.24047	-0.00042	0.99274	0.043316
-0.1134	0.01421	0.052492	0.25759	-0.05103	0.27111	0.110612	0.01679	0.225098
-0.0589	0.20392	-0.05497	0.23573	-0.06376	0.16897	-0.05375	0.24632	-0.00405
-0.1158	0.01228	0.0555	0.23128	-0.02511	0.58835	0.078735	0.08921	0.208135
-0.14494	0.00169	-0.02327	0.61602	-0.11201	0.01545	0.035844	0.43966	0.09844
-0.03598	0.43794	0.008985	0.84645	0.003507	0.93975	-0.00932	0.84079	0.036494
-0.21281	3.49E-06	-0.1534	0.00088	-0.15268	0.00093	-0.13247	0.00414	-0.12946
-0.16965	0.00023	0.037195	0.4226	-0.06817	0.14132	0.103934	0.0247	0.227797
-0.00756	0.87064	0.054042	0.24378	0.013456	0.7718	0.061011	0.18812	0.126006
-0.01607	0.72901	0.090615	0.05035	0.064743	0.16246	0.082754	0.074	0.204059
-0.12743	0.00582	0.049242	0.28827	-0.02673	0.56445	0.082517	0.07484	0.217223
-0.13248	0.00413	-0.02028	0.66208	-0.06854	0.13915	-0.01053	0.82046	0.148214
-0.07376	0.1114	0.138677	0.00267	0.03091	0.5052	0.175401	0.00014	0.337377
-0.10018	0.03041	0.040031	0.38808	-0.02729	0.55634	0.071226	0.12428	0.126663
0.092999	0.04457	0.197094	1.79E-05	0.084883	0.06684	0.23695	2.21E-07	0.270915
-0.01173	0.80034	0.179968	9.20E-05	0.066552	0.15102	0.195435	2.11E-05	0.400933
-0.00414	0.92885	0.152177	0.00097	0.056673	0.22155	0.169077	0.00024	0.24596
-0.08718	0.05978	-0.05143	0.26738	-0.03673	0.42847	-0.0671	0.14766	-0.00961
-0.05613	0.22602	0.012491	0.78776	-0.00468	0.91962	0.012319	0.79061	0.071187
-0.0992	0.0321	0.069038	0.1363	-0.00245	0.95795	0.084759	0.06724	0.183033
0.014263	0.75852	0.2086	5.47E-06	0.091558	0.04799	0.234691	2.90E-07	0.345914
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0.001619	0.97217	-0.0799	0.08457	-0.01754	0.70534	-0.10515	0.02305	-0.18659
-0.06673	0.14991	0.161998	0.00044	0.022383	0.62948	0.215478	2.61E-06	0.37443
-0.05745	0.21529	0.187116	4.73E-05	0.057526	0.21467	0.220353	1.52E-06	0.364017
-0.09095	0.04949	-0.03518	0.44821	-0.06131	0.18595	-0.00459	0.92112	0.031254
-0.04053	0.38216	0.138337	0.00274	0.031802	0.49298	0.169469	0.00023	0.301441
-0.13628	0.00317	-0.01964	0.6721	-0.09143	0.04831	0.036298	0.43389	-0.01219
-0.11312	0.01445	0.048633	0.29429	-0.03389	0.46506	0.081913	0.077	0.116869
-0.05289	0.25397	0.134841	0.00351	0.009914	0.8308	0.189994	3.59E-05	0.215668
0.013853	0.76526	0.209821	4.80E-06	0.079165	0.08747	0.250264	4.22E-08	0.325736
-0.10252	0.02674	0.052505	0.25747	-0.03107	0.50305	0.082145	0.07616	0.148561
-0.11717	0.01127	-0.02405	0.60424	-0.10072	0.02954	0.046506	0.31593	0.036897
-0.03283	0.47911	0.09812	0.03402	0.024958	0.59059	0.123421	0.00758	0.284347
-0.01206	0.795	0.001816	0.96878	-0.00373	0.93587	0.002651	0.95444	0.04436
-0.07196	0.12044	0.032779	0.47978	-0.05467	0.23838	0.074261	0.109	0.242818
0.002395	0.95884	0.155545	0.00074	0.038865	0.40207	0.18403	6.32E-05	0.424725
-0.13154	0.00441	0.016328	0.72489	-0.06112	0.18732	0.05548	0.23145	0.134868
-0.08319	0.07248	0.040043	0.38794	-0.01469	0.75149	0.063194	0.17277	0.142351
-0.18939	3.80E-05	-0.08375	0.0706	-0.14099	0.00226	-0.02319	0.61721	-0.07499
-0.02095	0.6516	0.115396	0.01258	0.034577	0.45601	0.145613	0.0016	0.226987

-0.12558	0.00658	0.023972	0.60534	-0.04416	0.34102	0.051992	0.26216	0.16995
-0.02613	0.57321	-0.09228	0.04624	-0.05292	0.25374	-0.10627	0.02162	-0.08696
-0.06462	0.16329	0.065409	0.15818	-0.02763	0.55141	0.11368	0.01397	0.138213
-0.0288	0.53467	0.083321	0.07204	0.005579	0.90429	0.109531	0.0179	0.232295
-0.0962	0.0377	0.034113	0.46207	-0.02709	0.55924	0.073547	0.11245	0.131371
-0.04084	0.37853	0.085633	0.06446	0.018312	0.69307	0.117995	0.01071	0.188787
-0.07227	0.11883	0.135856	0.00326	0.004546	0.92195	0.183936	6.38E-05	0.302462
0.016415	0.72348	0.216828	2.25E-06	0.080828	0.081	0.257709	1.61E-08	0.438476
-0.17353	0.00016	-0.0804	0.08264	-0.09863	0.0331	-0.04471	0.33499	-0.05898
-0.06834	0.14032	0.007078	0.87875	-0.0454	0.32757	0.028417	0.54016	0.049877
-0.09137	0.04844	-0.10162	0.0281	-0.11673	0.01159	-0.05037	0.27739	-0.11292
-0.05132	0.26838	0.145544	0.00161	0.014547	0.75387	0.207414	6.20E-06	0.277793
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-0.13781	0.00284	-0.00544	0.90663	-0.06974	0.13237	0.028856	0.53391	0.068451
-0.05024	0.27864	0.168156	0.00026	0.039003	0.40039	0.208239	5.68E-06	0.361311
-0.06957	0.13329	0.003141	0.94602	-0.03788	0.41414	0.024915	0.59123	0.033437
0.009554	0.83685	0.104171	0.02437	0.035876	0.43925	0.111912	0.01554	0.28453
-0.11026	0.01714	0.044806	0.33397	-0.0403	0.38486	0.085021	0.0664	0.125145
-0.01594	0.73124	0.176539	0.00013	0.039452	0.39499	0.227765	6.55E-07	0.387252
-0.25279	3.05E-08	-0.14295	0.00196	-0.18323	6.81E-05	-0.08375	0.07057	-0.11504
-0.10912	0.01833	0.057949	0.2113	-0.02816	0.54383	0.085799	0.06394	0.169874
-0.03438	0.45856	0.172538	0.00018	0.036217	0.43491	0.238421	1.85E-07	0.334783
-0.02144	0.64404	0.132434	0.00415	0.037313	0.42113	0.156006	0.00072	0.26169
-0.05581	0.22871	0.090851	0.04975	0.032798	0.47953	0.093341	0.04379	0.284132
-0.02968	0.52225	0.097364	0.03543	0.052232	0.25996	0.097196	0.03575	0.13466
-0.07159	0.12237	0.130064	0.00488	0.0278	0.549	0.169734	0.00023	0.299058
-0.02555	0.58188	-0.12693	0.00602	-0.04086	0.37837	-0.15186	0.00099	-0.21164
-0.10908	0.01838	0.014445	0.75555	-0.04282	0.35588	0.032831	0.47909	0.175838
-0.04317	0.35192	0.067011	0.14822	-0.00448	0.9231	0.097523	0.03513	0.133884
-0.06983	0.13185	-0.06118	0.18687	-0.08838	0.05632	-0.03488	0.4521	-0.08947
-0.03442	0.45804	0.074263	0.10899	-0.00708	0.87877	0.118331	0.01049	0.246703
0.088433	0.05617	-0.15068	0.00109	-0.03288	0.47849	-0.20348	9.34E-06	-0.28538
-0.069	0.13654	-0.00297	0.949	-0.03823	0.40986	0.01475	0.75054	0.032039
-0.06828	0.14065	0.035293	0.44673	-0.01849	0.69022	0.041588	0.36988	0.213168
0.019574	0.6731	0.070346	0.12902	0.059751	0.19743	0.061329	0.18582	0.093369
-0.12006	0.00941	0.042681	0.35742	-0.04584	0.32291	0.077697	0.09353	0.20931
0.002377	0.95914	0.098715	0.03295	0.027711	0.55027	0.099317	0.03189	0.264925
-0.17199	0.00019	-0.00917	0.84334	-0.0738	0.11123	0.029485	0.52504	0.15731
0.044014	0.34258	0.163037	0.0004	0.074218	0.1092	0.16661	0.0003	0.389438
-0.05492	0.23623	-0.00535	0.90828	-0.03642	0.43234	0.007221	0.87632	0.114713
-0.05214	0.26079	0.111823	0.01562	0.022515	0.62745	0.13373	0.00379	0.32355
-0.0107	0.81767	0.135332	0.00339	0.064318	0.16525	0.14074	0.0023	0.225685
-0.0298	0.52067	0.111969	0.01549	0.05049	0.27621	0.106439	0.02142	0.257887
-0.03101	0.50378	0.120991	0.00886	0.02732	0.55592	0.141791	0.00213	0.277309
-0.0263	0.57079	0.155517	0.00075	0.054725	0.23786	0.175019	0.00014	0.298048

-0.09367	0.04304	0.091957	0.04702	-0.00476	0.91835	0.129016	0.00523	0.286456
-0.1312	0.00451	-0.12862	0.00537	-0.10466	0.0237	-0.1134	0.01421	-0.15898
-0.04382	0.34474	0.062777	0.17563	0.006491	0.88874	0.084566	0.06787	0.164771
-0.0225	0.62765	0.113626	0.01402	0.040952	0.37724	0.118943	0.01009	0.32678
-0.07998	0.08425	0.117655	0.01094	-0.00966	0.83509	0.167095	0.00029	0.246008
-0.13513	0.00344	0.008427	0.85589	-0.06641	0.1519	0.047608	0.30459	0.097304
-0.13848	0.00271	-0.06841	0.13994	-0.11658	0.0117	-0.02569	0.57972	-0.04792
0.080919	0.08066	0.012197	0.79263	0.035976	0.43798	0.005824	0.90011	-0.08724
-0.05345	0.249	0.129493	0.00507	0.015558	0.73737	0.175812	0.00013	0.334588
-0.13427	0.00365	0.00081	0.98607	-0.08541	0.06516	0.055619	0.23027	0.129001
0.013045	0.77858	-0.07336	0.11336	0.035628	0.44242	-0.14327	0.00191	-0.2368
-0.02516	0.58766	0.074613	0.10733	-0.00832	0.85776	0.103519	0.02528	0.185798
-0.03353	0.46972	-0.0139	0.76453	-0.02935	0.52691	-0.01579	0.73366	0.056016
-0.01757	0.70494	0.015232	0.74269	-0.04563	0.32513	0.053553	0.24808	0.053273
-0.07269	0.11671	0.00035	0.99398	-0.04271	0.35708	0.018339	0.69264	0.083276
-0.10858	0.01892	-0.04312	0.35244	-0.08599	0.06336	0.009693	0.83452	-0.00235
-0.06331	0.17202	-0.0327	0.48084	-0.04099	0.37679	-0.03721	0.42244	-0.03971
0.060172	0.19428	0.180203	9.01E-05	0.126883	0.00604	0.162698	0.00042	0.27532
-0.12279	0.0079	0.013044	0.77861	-0.03019	0.51514	0.026711	0.56476	0.106323
-0.09794	0.03435	0.026745	0.56427	-0.02464	0.59527	0.06323	0.17253	0.116983
0.006697	0.88523	0.137575	0.00289	0.052858	0.25428	0.156552	0.00069	0.352316
-0.11582	0.01226	0.02435	0.59967	-0.0419	0.36628	0.046196	0.31917	0.076138
0.010062	0.82831	0.213809	3.13E-06	0.081301	0.07924	0.248278	5.44E-08	0.357839
-0.08329	0.07213	0.00601	0.89693	-0.05016	0.27934	0.046202	0.31911	0.062929
-0.05577	0.22903	-0.04116	0.37479	-0.03249	0.4836	-0.03823	0.40985	0.004539
-0.11191	0.01554	-0.00357	0.93871	-0.01889	0.6839	0.00134	0.97696	0.056309
-0.13638	0.00315	0.026761	0.56404	-0.04014	0.38681	0.053686	0.24691	0.091349
-0.11064	0.01676	0.000572	0.99016	-0.06249	0.17764	0.028182	0.54352	0.116158
-0.07243	0.11805	0.025038	0.5894	-0.04478	0.33422	0.048313	0.29748	0.093489
-0.08835	0.05642	-0.07734	0.09506	-0.08991	0.05217	-0.06578	0.15583	-0.02742
-0.20322	9.60E-06	-0.06535	0.15856	-0.13929	0.00256	-0.00288	0.95053	-0.01968
-0.10363	0.02513	0.01253	0.78711	-0.0408	0.37906	0.054534	0.23951	0.137762
-0.02825	0.54259	0.10116	0.02883	0.032647	0.48155	0.12735	0.00585	0.172438
-0.09301	0.04454	-0.04528	0.32888	-0.04823	0.29827	-0.05586	0.22823	0.010827
-0.10502	0.02323	0.053821	0.24572	-0.01798	0.69832	0.09137	0.04845	0.177113
-0.07702	0.09641	-0.00492	0.91549	-0.06555	0.15726	0.053904	0.245	0.071737
0.001344	0.97689	0.136168	0.00319	0.056341	0.22428	0.15514	0.00077	0.20627
0.026109	0.57357	0.156164	0.00071	0.057578	0.21425	0.181614	7.91E-05	0.258496
-0.02717	0.5581	0.009944	0.83029	-0.01502	0.74615	0.030052	0.51709	0.024411
-0.01197	0.79635	0.15822	0.0006	0.068609	0.13876	0.169815	0.00023	0.261917
-0.05889	0.20396	0.074407	0.1083	0.000399	0.99313	0.112492	0.01501	0.198622
0.016322	0.72498	0.109848	0.01757	0.065095	0.16019	0.098179	0.03391	0.267639
-0.01015	0.8269	0.05601	0.22701	-0.02113	0.64884	0.09667	0.03677	0.207538
-0.02987	0.51963	0.093381	0.0437	0.023484	0.61271	0.134208	0.00366	0.224178
0.066533	0.15114	-0.13313	0.00395	-0.01599	0.73032	-0.18748	4.57E-05	-0.35097

-0.14395	0.00182	-0.03823	0.40977	-0.09199	0.04693	0.013711	0.76761	0.011575
0.033109	0.47537	0.104729	0.02361	0.063655	0.16966	0.102167	0.02726	0.235073
-0.13908	0.00259	-0.03407	0.46262	-0.08397	0.06984	0.002573	0.95577	0.061148
0.0023	0.96047	0.086424	0.06202	0.024489	0.59759	0.105832	0.02218	0.155939
-0.13311	0.00396	-0.0286	0.53762	-0.06761	0.14464	-0.0149	0.74817	0.067043
-0.15704	0.00066	0.041569	0.3701	-0.05518	0.23402	0.0905	0.05064	0.159495
-0.05007	0.28022	0.025995	0.57524	-0.00261	0.95512	0.026729	0.5645	0.146314
-0.07413	0.10963	0.155974	0.00072	0.024777	0.59328	0.193859	2.46E-05	0.399629
-0.12154	0.00856	0.020289	0.66187	-0.02255	0.62692	0.031956	0.49088	0.160817
-0.17319	0.00017	-0.06549	0.15765	-0.0893	0.05379	-0.05136	0.26799	-0.02519
-0.03712	0.42355	0.072735	0.11649	0.037163	0.423	0.061502	0.18459	0.163579
-0.04756	0.30507	0.030333	0.51318	-0.0325	0.48358	0.064209	0.16597	0.049535
-0.09182	0.04735	0.105392	0.02274	0.002107	0.96379	0.149346	0.00121	0.263309
0.074879	0.10608	-0.09654	0.03702	-0.01487	0.74866	-0.12546	0.00663	-0.16295
-0.00783	0.86595	0.130432	0.00476	0.040817	0.37882	0.149616	0.00118	0.268072
0.008694	0.85136	0.032841	0.47895	-0.01054	0.82025	0.035526	0.44373	0.074973
-0.11618	0.01199	0.049524	0.28552	-0.04974	0.28341	0.109231	0.01821	0.172917
-0.00914	0.84382	0.08144	0.07872	0.002635	0.95472	0.12567	0.00654	0.233988
-0.18951	3.76E-05	-0.05897	0.20338	-0.11174	0.0157	-0.01255	0.78673	-0.01288
-0.17468	0.00015	-0.00417	0.92833	-0.07825	0.0912	0.037789	0.41522	0.138098
-0.11062	0.01679	0.042949	0.35441	-0.03419	0.46109	0.079304	0.08692	0.197859
-0.11177	0.01567	-0.05383	0.24562	-0.06606	0.15406	-0.03295	0.47746	-0.04383
-0.10668	0.02112	0.06186	0.18204	-0.0173	0.7092	0.087236	0.0596	0.208459
-0.07216	0.11942	0.085589	0.0646	-0.00509	0.91272	0.115653	0.01238	0.278078
-0.08944	0.05341	0.048085	0.29976	-0.01166	0.8015	0.058182	0.20947	0.197921
-0.17409	0.00016	-0.05599	0.22722	-0.0905	0.05063	-0.02988	0.51953	0.017274
0.016084	0.72884	0.087634	0.05844	0.080713	0.08144	0.048601	0.29461	0.194173
-0.08739	0.05915	0.041236	0.37394	-0.02683	0.56301	0.062617	0.17674	0.178588
-0.09244	0.04588	0.003055	0.94751	-0.01953	0.67382	0.013195	0.7761	0.064828
-0.03461	0.45555	-0.0604	0.19258	-0.04505	0.33133	-0.05899	0.20317	-0.0727
0.009382	0.83975	0.059663	0.19809	0.009416	0.83919	0.071465	0.12302	0.082441
-0.12706	0.00597	0.014233	0.75903	-0.04364	0.34669	0.037825	0.41479	0.159644
-0.08653	0.06171	-0.01954	0.67369	-0.06363	0.16981	0.004222	0.9275	0.111402
-0.01327	0.77484	0.142726	0.00199	0.079206	0.08731	0.144702	0.00172	0.346456
-0.11553	0.01248	0.05902	0.20297	-0.03659	0.43026	0.098657	0.03305	0.165719
-0.15925	0.00055	-0.00843	0.85588	-0.11984	0.00953	0.069893	0.13151	0.10365
-0.14798	0.00134	-0.08276	0.07397	-0.11406	0.01366	-0.05574	0.22925	0.002432
-0.16627	0.00031	-0.09362	0.04316	-0.12382	0.00739	-0.06639	0.15203	-0.06273
-0.07312	0.11455	0.021465	0.6436	-0.00993	0.83053	0.030549	0.51018	0.053949
-0.11723	0.01124	0.104197	0.02433	-0.00469	0.91951	0.143738	0.00185	0.208896
-0.01302	0.77895	0.061466	0.18484	0.02263	0.6257	0.066969	0.14847	0.168025
0.022667	0.62513	0.178244	0.00011	0.088987	0.05464	0.193722	2.50E-05	0.368406
-0.08866	0.05555	0.083686	0.07079	-0.02393	0.60603	0.141739	0.00214	0.203243
-0.11542	0.01256	-0.01576	0.73418	-0.08184	0.07725	0.029235	0.52855	0.103095
-0.08932	0.05373	0.052839	0.25446	0.010452	0.82176	0.045006	0.33181	0.155354

-0.05223	0.26	0.136859	0.00304	0.028378	0.54072	0.174063	0.00016	0.350239
0.230925	4.53E-07	0.075497	0.10321	0.12693	0.00602	0.035211	0.44778	0.028956
-0.03369	0.46765	0.014539	0.754	-0.02418	0.60229	0.042448	0.36005	0.077365
-0.05296	0.25335	0.018333	0.69273	-0.0308	0.50665	0.048911	0.29153	0.097164
-0.08061	0.08182	0.064634	0.16317	0.002669	0.95413	0.080641	0.08171	0.14384
0.025174	0.58738	0.198511	1.55E-05	0.083964	0.06986	0.227319	6.89E-07	0.370299
0.016855	0.71638	-0.10335	0.02552	-0.01671	0.71868	-0.12757	0.00577	-0.27164
-0.02058	0.65737	0.10567	0.02238	0.059737	0.19753	0.090913	0.04959	0.121303
0.096621	0.03686	-0.13355	0.00384	0.000381	0.99345	-0.19143	3.12E-05	-0.28138
-0.05212	0.26095	0.051015	0.27125	-0.03015	0.51568	0.092465	0.04581	0.153658
-0.12033	0.00925	0.028988	0.53204	-0.05972	0.19767	0.088512	0.05595	0.139907
-0.07483	0.10632	0.096505	0.03709	0.021284	0.6464	0.112579	0.01493	0.205288
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-0.14858	0.00128	-0.04767	0.30394	-0.05428	0.24169	-0.04777	0.3029	-0.11058
-0.02552	0.58224	0.139096	0.00259	0.033201	0.47414	0.164815	0.00035	0.340263
-0.15623	0.0007	-0.00111	0.98099	-0.06225	0.17928	0.029379	0.52653	0.091463
-0.05989	0.19638	0.010439	0.82199	-0.03136	0.49903	0.046493	0.31607	0.091084
-0.18191	7.70E-05	0.000628	0.98921	-0.08208	0.0764	0.053693	0.24684	0.140517
-0.05465	0.23855	0.152212	0.00097	0.04372	0.34583	0.181085	8.31E-05	0.304866
-0.0841	0.0694	0.073234	0.11399	-0.0165	0.72217	0.124061	0.00727	0.1924
-0.13839	0.00273	-0.00028	0.99521	-0.07314	0.11444	0.034436	0.45785	0.123303
-0.03649	0.43148	0.102698	0.02647	-0.00081	0.98599	0.147436	0.0014	0.27168
-0.0276	0.55181	0.016189	0.72714	0.013846	0.76537	0.000426	0.99268	0.030719
-0.06232	0.1788	0.02017	0.66375	-0.06031	0.19325	0.085599	0.06457	0.024806
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0.000813	0.98602	0.178962	0.0001	0.108842	0.01863	0.161218	0.00047	0.366026
-0.11106	0.01635	0.093501	0.04343	0.001438	0.97528	0.12764	0.00574	0.251168
-0.00871	0.85101	0.087796	0.05798	0.051769	0.26421	0.068161	0.14136	0.181517
-0.02894	0.53273	0.135507	0.00335	0.059714	0.1977	0.153962	0.00084	0.300003
-0.12617	0.00633	-0.04807	0.29995	-0.07262	0.11705	-0.03057	0.50986	0.030045
-0.1424	0.00204	0.003976	0.93172	-0.0752	0.10461	0.059009	0.20305	0.126712
0.036816	0.42735	-0.05991	0.19627	0.055592	0.23051	-0.12595	0.00642	-0.21557
-0.05779	0.21254	-0.01176	0.79995	-0.01968	0.67138	-0.02688	0.56237	0.061029
0.164325	0.00036	-0.01995	0.66713	0.086147	0.06287	-0.08125	0.07944	-0.12949
-0.07624	0.09986	0.129226	0.00516	0.021998	0.63539	0.15737	0.00064	0.348295
-0.09842	0.03348	0.067765	0.1437	-0.02879	0.5348	0.120415	0.0092	0.241769
-0.1039	0.02475	-0.07212	0.11962	-0.08178	0.07748	-0.05413	0.24299	0.002025
-0.05027	0.27829	0.027418	0.5545	0.004066	0.93017	0.024023	0.60458	0.134965
0.032244	0.48699	0.141804	0.00213	0.080331	0.0829	0.1411	0.00224	0.248962
-0.17228	0.00018	0.00342	0.94123	-0.0677	0.14407	0.027616	0.55164	0.122435
-0.11089	0.01652	-0.08404	0.06961	-0.10942	0.01801	-0.03672	0.42854	-0.0023
0.051292	0.26864	-0.11532	0.01264	-0.0241	0.60344	-0.12698	0.006	-0.34162
-0.0049	0.91586	0.160872	0.00048	0.056964	0.21919	0.189076	3.92E-05	0.308568
-0.0016	0.97242	0.202228	1.06E-05	0.069399	0.13426	0.251055	3.82E-08	0.329931
-0.06824	0.14093	0.065726	0.15617	0.004231	0.92734	0.081889	0.07708	0.243408

-0.10239	0.02693	-0.00519	0.91093	-0.03401	0.46348	0.01753	0.70555	0.056008
-0.11932	0.00985	0.08169	0.07781	-0.07048	0.12827	0.172904	0.00017	0.300798
0.006537	0.88796	0.16245	0.00042	0.060352	0.19295	0.195679	2.06E-05	0.358874
0.019845	0.66883	0.032326	0.48588	0.057584	0.2142	-0.00079	0.98637	0.068322
0.003039	0.94777	0.1215	0.00858	0.057009	0.21882	0.141129	0.00224	0.17492
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0.017303	0.70918	0.169801	0.00023	0.084981	0.06653	0.174187	0.00015	0.261819
-0.16408	0.00037	0.010538	0.82032	-0.04453	0.33694	0.03335	0.47216	0.0494
-0.13323	0.00392	0.050176	0.27921	-0.00976	0.83342	0.077335	0.09507	0.115764
-0.08607	0.06309	0.057795	0.21253	-0.04809	0.29967	0.133829	0.00376	0.080567
-0.07531	0.10405	0.068484	0.13948	0.007629	0.8694	0.076643	0.09807	0.239651
-0.18055	8.73E-05	-0.0023	0.96047	-0.07701	0.09648	0.040018	0.38823	0.116844
-0.05455	0.23935	0.084589	0.0678	0.025086	0.58868	0.091853	0.04727	0.21169
-0.05617	0.22568	0.083941	0.06994	-0.00543	0.90678	0.115917	0.01219	0.229976
-0.09577	0.03856	0.028507	0.53888	-0.03961	0.3931	0.068771	0.13783	0.084375
-0.12006	0.0094	0.012601	0.78594	-0.03344	0.47095	0.034062	0.46275	0.026913
-0.08327	0.07221	0.031623	0.49541	-0.04039	0.38383	0.057614	0.21396	0.182348
-0.02477	0.59338	0.148691	0.00127	0.052823	0.2546	0.169038	0.00024	0.322721
0.011213	0.80903	0.053923	0.24483	0.004968	0.91473	0.068906	0.13706	0.146697
-0.03802	0.41235	0.109199	0.01825	0.003845	0.93396	0.155108	0.00077	0.271915
0.02457	0.59637	0.158896	0.00057	0.094766	0.04066	0.136169	0.00319	0.266377
-0.05176	0.2643	0.020892	0.65249	-0.02854	0.53834	0.024686	0.59465	0.177632
-0.07396	0.11044	0.08165	0.07795	0.010242	0.82529	0.094206	0.04186	0.119472
-0.0047	0.91932	0.033699	0.46753	-0.00355	0.9391	0.036386	0.43277	0.046649
-0.01422	0.75924	0.191468	3.11E-05	0.097958	0.03432	0.200048	1.33E-05	0.378157
-0.04035	0.38429	0.038629	0.40493	-0.00706	0.87907	0.050405	0.27702	0.145561
0.286033	3.04E-10	0.093048	0.04446	0.223032	1.13E-06	-0.0208	0.65393	-0.04026
-0.02117	0.64809	0.09476	0.04067	0.026574	0.56676	0.105288	0.02287	0.256383
-0.05279	0.25486	0.006274	0.89244	-0.01727	0.70977	0.007249	0.87584	0.180398
0.062767	0.1757	0.175204	0.00014	0.089015	0.05457	0.163152	0.0004	0.292979
-0.06293	0.17458	0.091921	0.04711	0.001497	0.97427	0.123866	0.00736	0.252621
-0.11618	0.01199	0.062035	0.1808	-0.04553	0.3262	0.118417	0.01043	0.214033
-0.04836	0.29697	0.098634	0.03309	0.021168	0.6482	0.116111	0.01204	0.313621
0.033691	0.46764	0.177938	0.00011	0.08503	0.06637	0.196884	1.82E-05	0.365167
-0.08469	0.06746	0.046215	0.31897	-0.02279	0.62324	0.070114	0.13029	0.119218
-0.13206	0.00425	-0.04777	0.30295	-0.07585	0.10162	-0.03626	0.43438	0.06391
-0.04293	0.35462	0.103915	0.02472	0.022845	0.62242	0.141524	0.00217	0.200998
-0.10943	0.01801	0.007767	0.86706	-0.04338	0.34956	0.032004	0.49024	0.084592
-0.03884	0.40241	0.0534	0.24944	0.003893	0.93314	0.067508	0.14522	0.126696
-0.08883	0.05508	0.054836	0.23691	-0.02967	0.52244	0.093573	0.04327	0.134382
-0.00927	0.84159	0.141772	0.00213	0.034965	0.45096	0.172653	0.00018	0.204131
-0.13562	0.00332	-0.04325	0.35102	-0.0773	0.09521	-0.01882	0.68499	-0.02464
-0.22302	1.13E-06	-0.09329	0.04391	-0.11672	0.01159	-0.07463	0.10727	-0.06992
-0.02958	0.52373	0.111587	0.01584	0.043458	0.34872	0.130082	0.00487	0.176907
-0.12577	0.0065	-0.01712	0.71205	-0.0404	0.38371	-0.01901	0.682	0.082353



-0.10682	0.02095	-0.00611	0.89516	-0.06467	0.16295	0.017958	0.69871	0.274742
-0.10042	0.03003	-0.02924	0.52842	-0.08664	0.06138	0.019256	0.67811	-0.04048
-0.11059	0.01681	0.010508	0.82083	-0.04487	0.33331	0.031862	0.49217	0.109269
-0.07512	0.10495	-0.02171	0.63983	-0.02874	0.53551	-0.00357	0.93872	0.031602
-0.02696	0.56114	0.144317	0.00177	0.034414	0.45814	0.185837	5.33E-05	0.30602
-0.06411	0.16659	0.132909	0.00401	0.032774	0.47985	0.159948	0.00052	0.351631
-0.14542	0.00163	-0.01631	0.72512	-0.07414	0.10957	0.010879	0.81462	0.045292
-0.13619	0.00319	0.006165	0.89429	-0.07001	0.13086	0.056907	0.21965	0.096288
-0.06692	0.14876	0.139162	0.00258	0.020886	0.65257	0.173015	0.00017	0.361176
-0.07598	0.10102	0.035134	0.44878	-0.0332	0.4741	0.070094	0.13039	0.106657
-0.03853	0.40612	0.049711	0.2837	0.02951	0.52468	0.039208	0.39792	0.129068
-0.00592	0.89844	0.113035	0.01453	0.014886	0.74833	0.14816	0.00132	0.165234
-0.06911	0.1359	0.117558	0.01101	0.035688	0.44165	0.1398	0.00246	0.254105
-0.00716	0.87735	0.160494	0.0005	0.059901	0.1963	0.192665	2.77E-05	0.370991
-0.02278	0.62336	0.103836	0.02483	0.039877	0.38991	0.120067	0.0094	0.259806
-0.01645	0.72287	0.106842	0.02093	0.018999	0.68216	0.137157	0.00298	0.258382
-0.13834	0.00274	-0.06159	0.18393	-0.10294	0.02611	-0.02897	0.53229	-0.0197
0.005724	0.90182	0.240611	1.42E-07	0.086252	0.06255	0.29428	8.78E-11	0.441547
-0.02261	0.62603	0.128318	0.00549	0.046075	0.32045	0.149241	0.00122	0.227343
-0.11261	0.0149	0.003746	0.93565	-0.05352	0.2484	0.032602	0.48215	0.078407
-0.07288	0.11575	0.079362	0.08669	-0.03111	0.50239	0.137799	0.00284	0.164878
-0.10875	0.01873	0.038324	0.40864	-0.02615	0.57294	0.070518	0.12808	0.169913
-0.00748	0.8719	0.031355	0.49908	0.023564	0.6115	0.025893	0.57675	0.052589
-0.03176	0.49355	0.126667	0.00613	0.012424	0.78888	0.173719	0.00016	0.31171
-0.05101	0.27125	0.062429	0.17804	-0.00825	0.85891	0.080706	0.08147	0.160569
-0.08681	0.06087	0.107341	0.02033	0.016586	0.72072	0.121515	0.00857	0.28111
-0.00188	0.96762	0.047021	0.3106	0.00497	0.91469	0.059732	0.19757	0.116057
-0.043	0.35381	0.129935	0.00492	0.039042	0.39992	0.145985	0.00156	0.325878
-0.12335	0.00761	0.092724	0.04521	-0.01547	0.73875	0.13144	0.00444	0.247966
-0.00297	0.94894	0.139746	0.00247	0.083685	0.0708	0.131472	0.00443	0.225646
-0.1055	0.0226	-0.00359	0.93834	-0.04955	0.28531	0.023608	0.61084	-0.04197
-0.06082	0.18949	0.050975	0.27162	-0.01143	0.80533	0.065873	0.15524	0.117254
-0.17071	0.00021	-0.09116	0.04899	-0.13376	0.00378	-0.03626	0.43431	-0.06993
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-0.11546	0.01253	0.007938	0.86415	-0.07763	0.0938	0.073247	0.11393	0.148603
-0.1414	0.00219	-0.13066	0.00468	-0.12973	0.00499	-0.09991	0.03088	-0.1124
-0.03131	0.49968	0.133318	0.0039	0.036327	0.43352	0.156799	0.00067	0.2823
-0.0459	0.3223	0.133178	0.00394	0.039594	0.39328	0.152047	0.00098	0.33722
-0.1529	0.00092	-0.03839	0.40782	-0.08686	0.06073	-0.01133	0.80705	0.08823
-0.03726	0.42181	0.072451	0.11792	0.024758	0.59356	0.068815	0.13757	0.209652
0.010411	0.82246	0.029682	0.52227	0.005152	0.91159	0.036486	0.43151	0.010091
-0.04606	0.32059	0.125564	0.00659	0.044756	0.33451	0.149079	0.00123	0.223404
-0.27184	2.35E-09	-0.13643	0.00314	-0.17881	0.0001	-0.0851	0.06615	-0.13783
0.052971	0.25327	-0.09486	0.04046	0.033061	0.47601	-0.17831	0.00011	-0.21562
-0.03388	0.46516	0.08134	0.07909	0.001391	0.97608	0.094277	0.04171	0.239052

-0.11357	0.01407	0.02542	0.58373	-0.0921	0.04667	0.109276	0.01817	0.069971
-0.03028	0.51392	0.183521	6.63E-05	0.059827	0.19685	0.226869	7.26E-07	0.317953
-0.02343	0.61359	0.099183	0.03212	0.022473	0.6281	0.133272	0.00391	0.167434
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0.019884	0.66823	0.012613	0.78573	0.050929	0.27206	-0.01313	0.77714	-0.11137
-0.05928	0.20097	0.023471	0.61291	-0.00819	0.85981	0.018785	0.68555	0.090475
-0.07556	0.10294	0.076174	0.10015	-0.03005	0.51719	0.139923	0.00244	0.212121
-0.14045	0.00235	-0.01589	0.73195	-0.08412	0.06934	0.029909	0.51909	0.127458
-0.03532	0.44635	-0.00028	0.99523	0.001794	0.96915	-0.01728	0.70959	0.093248
-0.10997	0.01744	0.003284	0.94358	-0.07539	0.10373	0.051232	0.26921	0.046892
-0.08527	0.06561	-0.02109	0.64944	-0.04736	0.30709	-0.0181	0.69638	0.05537
-0.01228	0.79119	0.151961	0.00099	0.051669	0.26514	0.153593	0.00087	0.339566
-0.10072	0.02953	0.059245	0.20125	-0.04666	0.31429	0.104399	0.02406	0.235501
-0.11788	0.01079	0.018374	0.69208	-0.0511	0.27041	0.055457	0.23164	0.168479
-0.06352	0.1706	0.098307	0.03368	0.017028	0.7136	0.115876	0.01222	0.330082
0.033101	0.47548	0.143238	0.00191	0.079815	0.0849	0.158824	0.00057	0.306743
-0.08819	0.05687	0.120694	0.00903	-0.00104	0.98211	0.164894	0.00035	0.270342
-0.05337	0.24967	0.081313	0.07919	0.01386	0.76515	0.103718	0.025	0.228197
-0.02869	0.5362	0.073293	0.1137	0.045609	0.32537	0.046654	0.3144	0.1754
-0.1155	0.0125	-0.05975	0.19745	-0.09057	0.05047	-0.0337	0.46748	-0.04523
-0.04364	0.34671	0.086683	0.06124	0.029419	0.52596	0.091528	0.04807	0.250963
-0.00649	0.8888	0.135787	0.00328	0.031212	0.50105	0.186201	5.15E-05	0.21977
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-0.12788	0.00565	-0.10733	0.02034	-0.13261	0.00409	-0.06321	0.17265	-0.06304
0.057494	0.21492	0.203306	9.51E-06	0.07385	0.11098	0.243576	9.82E-08	0.303574
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0.042921	0.35473	-0.17384	0.00016	-0.05983	0.19683	-0.20275	1.01E-05	-0.4116
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0.123065	0.00776	-0.02047	0.65899	0.073535	0.11251	-0.08896	0.05472	-0.16751
0.02959	0.52356	0.165765	0.00032	0.116495	0.01176	0.14773	0.00137	0.295341
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0.007911	0.86462	0.06381	0.16862	0.043098	0.35274	0.031133	0.50213	0.256416
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-0.04249	0.35961	0.090741	0.05003	0.021516	0.6428	0.106727	0.02107	0.289679
-0.03968	0.39222	0.056863	0.22	-0.01465	0.75217	0.085231	0.06573	0.177751
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-0.01464	0.75242	0.02329	0.61565	-0.01729	0.70935	0.045671	0.32471	0.023523
-0.08924	0.05395	0.041044	0.37618	-0.04195	0.36573	0.080114	0.08374	0.169285
-0.17872	0.0001	-0.03888	0.40182	-0.10929	0.01815	0.012696	0.78437	0.028251
0.021092	0.64937	0.054086	0.2434	-0.00603	0.89655	0.085427	0.06511	0.183136
0.000306	0.99473	0.212194	3.73E-06	0.084895	0.0668	0.243856	9.48E-08	0.348374
-0.05568	0.22978	0.127637	0.00574	0.035749	0.44087	0.138173	0.00277	0.314322
-0.10035	0.03015	-0.01429	0.75814	-0.05459	0.239	0.005247	0.90996	0.144824

-0.11978	0.00958	0.025985	0.57539	-0.03889	0.40175	0.049593	0.28485	0.167658
-0.05491	0.23624	0.105319	0.02283	0.02614	0.57311	0.119154	0.00996	0.255469
-0.05454	0.2395	0.131086	0.00455	0.011653	0.8017	0.17277	0.00018	0.357721
-0.11226	0.01521	0.054327	0.2413	-0.05741	0.21561	0.110865	0.01654	0.195656
-0.15157	0.00102	-0.04815	0.29913	-0.06825	0.14087	-0.02994	0.5187	0.073492
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-0.17213	0.00019	-0.0329	0.4781	-0.08588	0.0637	0.002553	0.95612	0.032082
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0.012014	0.79568	0.093679	0.04303	0.034923	0.45151	0.11132	0.0161	0.21282
-0.05843	0.2075	0.14186	0.00212	0.025499	0.58257	0.194339	2.35E-05	0.293124
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-0.04743	0.30641	0.094374	0.0415	0.015824	0.73305	0.133141	0.00395	0.23435
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-0.06314	0.17311	0.127108	0.00595	0.028263	0.54236	0.150088	0.00114	0.290699
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-0.03089	0.5054	0.145253	0.00165	0.021361	0.64521	0.200325	1.29E-05	0.334921
-0.03976	0.39131	0.047092	0.30986	0.007539	0.87092	0.064915	0.16135	0.090157
-0.06019	0.19414	0.137035	0.003	0.038004	0.41258	0.168167	0.00026	0.349601
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0.053415	0.24931	0.24912	4.89E-08	0.131494	0.00442	0.259844	1.21E-08	0.429657
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0.153015	0.00091	0.080096	0.0838	0.161042	0.00048	-0.00716	0.87741	0.042386
-0.20851	5.52E-06	-0.14316	0.00193	-0.15781	0.00062	-0.10625	0.02166	-0.07174
-0.06967	0.13272	0.056831	0.22026	-0.00542	0.90708	0.086891	0.06062	0.105402
-0.02623	0.57182	0.048139	0.29922	-0.02089	0.65254	0.065506	0.15756	0.229168
0.123186	0.0077	0.03365	0.46819	0.097729	0.03474	-0.01303	0.77878	-0.0124
0.117615	0.01097	-0.0263	0.57076	0.047067	0.31012	-0.06551	0.15756	-0.17081
0.032588	0.48234	0.078992	0.08817	0.061266	0.18628	0.060931	0.1887	0.145484
0.021101	0.64924	0.231314	4.33E-07	0.074433	0.10818	0.288716	2.04E-10	0.369918
-0.05445	0.24025	0.136498	0.00312	-0.00398	0.93164	0.196479	1.90E-05	0.342943
0.10503	0.02321	-0.00236	0.95943	0.080188	0.08345	-0.06708	0.1478	-0.13085
-0.02032	0.66132	0.101135	0.02887	0.030665	0.50858	0.113572	0.01406	0.17008
-0.1347	0.00354	0.041898	0.36632	-0.05164	0.2654	0.096231	0.03763	0.18447

-0.01114	0.81024	0.146351	0.00152	0.069713	0.1325	0.155168	0.00077	0.28167
-0.01454	0.75401	0.067774	0.14364	0.017721	0.7025	0.082553	0.07471	0.179519
0.169581	0.00023	-0.01591	0.73162	0.073229	0.11402	-0.06545	0.15793	-0.12078
-0.0363	0.43386	0.126934	0.00602	0.011623	0.8022	0.170491	0.00021	0.335666
-0.08544	0.06506	0.044	0.34275	-0.03484	0.45257	0.083822	0.07033	0.221653
0.091813	0.04737	-0.11289	0.01466	-0.00902	0.84591	-0.14606	0.00155	-0.2279
-0.1096	0.01782	-0.05996	0.19586	-0.07509	0.10509	-0.0547	0.23805	-0.0545
-0.07533	0.104	0.073919	0.11064	-0.00466	0.92	0.101341	0.02854	0.218258
-0.13465	0.00355	0.028792	0.53482	-0.05207	0.26147	0.074162	0.10947	0.164051
-0.10504	0.02319	0.077357	0.09497	-0.03722	0.4223	0.133427	0.00387	0.193759
-0.14514	0.00166	-0.00357	0.93872	-0.10051	0.02987	0.050928	0.27206	0.077946
-0.13499	0.00347	-0.03184	0.49245	-0.10591	0.02208	0.036503	0.43129	0.001154
-0.03238	0.4852	0.101179	0.0288	0.028218	0.543	0.105887	0.02211	0.233811
-0.03089	0.50543	0.066153	0.15349	-0.01446	0.75524	0.112882	0.01466	0.188276
-0.12897	0.00525	-0.033	0.47685	-0.09117	0.04895	0.017812	0.70104	0.068319
-0.05611	0.22614	0.048616	0.29445	-0.00742	0.8729	0.057916	0.21157	0.132578
-0.03094	0.50475	0.163071	0.0004	0.063165	0.17297	0.185786	5.36E-05	0.408854
-0.07398	0.11034	0.061408	0.18526	0.01476	0.75039	0.062534	0.17731	0.163396
-0.11185	0.0156	-0.01123	0.80877	-0.06194	0.18149	0.013673	0.76823	0.039017
-0.09838	0.03355	-0.10052	0.02986	-0.06399	0.16744	-0.11036	0.01704	-0.10132
-0.06219	0.17972	0.076263	0.09975	0.023247	0.61631	0.073279	0.11378	0.139346
-0.05799	0.211	0.054017	0.244	-0.00095	0.9837	0.06959	0.13319	0.149795
0.226899	7.23E-07	0.065598	0.15698	0.129182	0.00518	0.005315	0.9088	0.033017
-0.13141	0.00445	0.025664	0.58012	-0.05895	0.20354	0.068331	0.14037	0.158155
-0.04442	0.33812	0.09967	0.03128	0.020632	0.65653	0.131678	0.00437	0.279907
-0.03393	0.46451	-0.13563	0.00332	-0.08247	0.075	-0.13762	0.00288	-0.32139
-0.0035	0.93989	0.077738	0.09335	0.020026	0.666	0.105006	0.02324	0.170153
-0.04892	0.29147	0.080929	0.08063	0.012073	0.79471	0.098105	0.03405	0.152951
-0.03227	0.48669	0.102121	0.02733	0.008308	0.85789	0.124134	0.00724	0.279586
-0.09497	0.04022	0.076398	0.09916	-0.01246	0.78832	0.111204	0.01621	0.219408
-0.15025	0.00113	-0.07268	0.11677	-0.08009	0.08383	-0.06397	0.16757	-0.06825
-0.11879	0.01019	-0.03706	0.4243	-0.06737	0.14606	-0.02395	0.60575	0.052749
0.040449	0.38315	0.167336	0.00028	0.09619	0.03772	0.165223	0.00034	0.337338
-0.09545	0.03922	0.078545	0.08999	-0.02105	0.64995	0.121536	0.00856	0.236375
0.006951	0.88092	0.16434	0.00036	0.079992	0.08421	0.175716	0.00014	0.292863
-0.14076	0.0023	-0.04967	0.28407	-0.0689	0.13706	-0.03333	0.47239	-0.00576
-0.00514	0.91183	0.121143	0.00878	0.054276	0.24175	0.121915	0.00835	0.22711
-0.02606	0.57425	0.131617	0.00438	0.055311	0.23288	0.148789	0.00126	0.356755
-0.13256	0.00411	0.020787	0.65411	-0.05652	0.22277	0.070153	0.13007	0.159114
-0.19478	2.25E-05	-0.10997	0.01744	-0.14444	0.00175	-0.065	0.16083	-0.13088
0.014758	0.75042	0.026592	0.5665	0.000962	0.98346	0.013029	0.77884	0.168265
-0.07941	0.08651	0.096434	0.03723	-0.02417	0.6023	0.150005	0.00115	0.188218
-0.02936	0.52686	0.051229	0.26923	0.01498	0.74679	0.068097	0.14174	0.135209
0.012335	0.79035	-0.12703	0.00598	-0.08398	0.06981	-0.10928	0.01816	-0.16602
0.084579	0.06783	0.034843	0.45255	0.078013	0.09219	0.000938	0.98388	-0.04163

-0.12103	0.00884	-0.03572	0.44119	-0.07382	0.11112	-0.00023	0.99598	-0.03464
-0.03467	0.45483	0.085371	0.06529	-0.00166	0.97147	0.108057	0.01951	0.220625
-0.0785	0.09016	-0.01108	0.8113	-0.04131	0.37305	0.004843	0.91688	0.055694
-0.0677	0.14405	0.10659	0.02123	0.001749	0.96994	0.151632	0.00101	0.309348
0.004235	0.92728	0.079472	0.08625	0.061728	0.18298	0.053125	0.25189	0.175128
-0.02801	0.54592	0.056594	0.22219	-0.01471	0.75119	0.089918	0.05215	0.166438
-0.00046	0.99211	0.083548	0.07126	0.032915	0.47796	0.119824	0.00955	0.180043
-0.18884	4.01E-05	-0.04812	0.29944	-0.12014	0.00936	0.005311	0.90887	0.045653
-0.00056	0.99038	0.097062	0.03601	0.038565	0.4057	0.114875	0.01299	0.204475
-0.00074	0.98722	0.143039	0.00194	0.039297	0.39685	0.171208	0.0002	0.313182
-0.0889	0.05489	0.009714	0.83417	-0.02126	0.64671	0.032581	0.48244	0.073504
0.019564	0.67324	0.211925	3.84E-06	0.09101	0.04935	0.227435	6.80E-07	0.410489
-0.03793	0.41353	0.144768	0.00171	0.04377	0.34527	0.162025	0.00044	0.358562
-0.21769	2.05E-06	-0.16872	0.00025	-0.1759	0.00013	-0.12879	0.00531	-0.24769
-0.09288	0.04485	0.079698	0.08536	-0.00451	0.92256	0.114949	0.01293	0.198331
-0.09008	0.05174	0.060651	0.19075	-0.02962	0.52319	0.116662	0.01164	0.069824
0.024674	0.59482	0.170079	0.00022	0.08653	0.0617	0.172211	0.00018	0.351051
-0.13734	0.00294	-0.09242	0.04591	-0.08761	0.0585	-0.07561	0.10272	-0.15366
-0.15029	0.00112	-0.1431	0.00193	-0.1225	0.00805	-0.12475	0.00695	-0.14688
-0.04069	0.38036	0.215924	2.49E-06	0.053421	0.24926	0.296134	6.60E-11	0.327653
-0.14849	0.00129	-0.0339	0.46494	-0.09533	0.03947	0.023448	0.61326	-0.01986
-0.02366	0.6101	0.106779	0.021	0.015431	0.73944	0.138555	0.00269	0.233871
-0.08385	0.07023	0.055291	0.23304	-0.02415	0.60263	0.084657	0.06758	0.253635
-0.03881	0.4027	0.033355	0.4721	-0.01739	0.70774	0.055174	0.23403	0.145813
-0.04049	0.38261	0.007809	0.86635	0.003511	0.93969	-0.02147	0.64351	0.096005
-0.01885	0.6845	0.08661	0.06146	0.034337	0.45914	0.087381	0.05918	0.143032
-0.05158	0.26601	0.028936	0.53277	0.00024	0.99587	0.041156	0.37487	0.049385
-0.02963	0.52305	0.114119	0.0136	0.018123	0.69608	0.145838	0.00158	0.314503
-0.05473	0.23781	0.03043	0.51183	0.02826	0.5424	0.000513	0.99117	0.034582
0.083878	0.07015	0.258595	1.43E-08	0.150813	0.00108	0.265882	5.36E-09	0.399198
-0.0699	0.13145	0.075268	0.10427	-0.00528	0.90939	0.101327	0.02856	0.266828
-0.04347	0.34858	0.127702	0.00572	0.037715	0.41615	0.151016	0.00106	0.220349
-0.04384	0.34453	0.085189	0.06586	-0.01977	0.67	0.141159	0.00223	0.215713
-0.06459	0.16345	0.189828	3.65E-05	0.054149	0.24285	0.235616	2.59E-07	0.384885
-0.0815	0.07849	-0.01575	0.73425	-0.0556	0.2304	0.007478	0.87196	0.081949
-0.13841	0.00272	-0.05188	0.2632	-0.09034	0.05106	-0.02364	0.61041	0.046989
-0.07577	0.10199	0.084125	0.06932	0.013545	0.77033	0.094319	0.04162	0.256313
0.139015	0.00261	0.043105	0.35266	0.077158	0.09583	0.006016	0.89684	0.065804
-0.0759	0.10137	0.110423	0.01698	0.003145	0.94596	0.147573	0.00138	0.367947
-0.08052	0.08218	0.115862	0.01223	-0.01126	0.80832	0.177528	0.00011	0.346272
-0.10997	0.01743	0.074993	0.10554	-0.02585	0.57731	0.113931	0.01376	0.230354
-0.00435	0.92536	0.21068	4.38E-06	0.094962	0.04024	0.231097	4.44E-07	0.292748
0.103867	0.02479	0.009822	0.83236	0.065904	0.15505	-0.0398	0.39085	-0.05832
-0.1102	0.0172	0.026557	0.56701	-0.02964	0.52285	0.056996	0.21893	0.132124
-0.05717	0.21752	0.09223	0.04637	-0.0063	0.89207	0.124933	0.00687	0.343284

-0.05475	0.23769	0.138003	0.0028	0.005718	0.90193	0.195853	2.02E-05	0.321605
0.001467	0.97478	0.016462	0.72273	-0.0192	0.67906	0.031652	0.49502	0.071643
-0.01593	0.73128	0.046424	0.31679	-0.02241	0.629	0.074751	0.10667	0.15295
-0.06522	0.15936	0.069039	0.1363	-0.02662	0.56614	0.104312	0.02418	0.179859
-0.11408	0.01363	-0.13704	0.003	-0.10018	0.03042	-0.14712	0.00143	-0.09933
-0.05879	0.20475	0.068954	0.13678	-0.01409	0.7613	0.109498	0.01793	0.258406
-0.09843	0.03346	-0.03588	0.43925	-0.07679	0.09742	-0.00968	0.8348	0.110818
-0.05695	0.21933	0.036084	0.4366	-0.02237	0.62963	0.056964	0.21918	0.121997
-0.04543	0.32724	0.119815	0.00955	0.040062	0.38771	0.130246	0.00482	0.302389
-0.14054	0.00233	-0.04679	0.31294	-0.05551	0.23118	-0.03561	0.44264	-0.00613
-0.06547	0.15778	0.018851	0.68451	-0.03014	0.51585	0.053432	0.24915	0.11054
-0.08256	0.07469	0.130311	0.00479	0.024053	0.60412	0.151043	0.00106	0.218729
-0.1185	0.01038	-0.02368	0.6097	-0.07049	0.12825	0.008434	0.85576	0.070729
-0.0109	0.81427	-0.12736	0.00585	-0.06428	0.16549	-0.1445	0.00174	-0.3337
-0.14855	0.00128	-0.05133	0.26829	-0.07138	0.12347	-0.02409	0.60351	-0.00165
-0.03815	0.41073	0.047658	0.30408	-0.00429	0.92627	0.055854	0.22831	0.259727
0.01706	0.71309	0.149623	0.00118	0.128031	0.00559	0.112206	0.01527	0.20513
-0.01824	0.69426	0.112701	0.01482	0.078513	0.09012	0.093827	0.0427	0.298114
-0.12918	0.00518	-0.03821	0.40999	-0.07396	0.11044	-0.01377	0.76669	0.031066
-0.08505	0.06631	0.089044	0.05449	0.009059	0.84521	0.122014	0.0083	0.225754
-0.09935	0.03182	-0.03078	0.50696	-0.05748	0.21504	-0.01945	0.675	-0.01849
-0.03921	0.39793	0.140629	0.00232	0.010645	0.81854	0.214348	2.95E-06	0.216066
-0.05055	0.27567	0.102029	0.02747	0.049389	0.28683	0.094093	0.04211	0.287746
-0.14945	0.0012	-0.00243	0.95816	-0.05634	0.22432	0.026641	0.56578	0.117442
-0.14423	0.00178	0.042442	0.36013	-0.05002	0.28074	0.08511	0.06611	0.237188
0.172685	0.00018	0.006059	0.8961	0.048193	0.29867	-0.00537	0.90785	0.075176
0.234064	3.12E-07	0.070338	0.12906	0.169957	0.00022	-0.01043	0.82215	-0.02563
0.046898	0.31187	-0.17088	0.00021	0.016524	0.72172	-0.28592	3.09E-10	-0.42952
-0.0088	0.84958	0.146153	0.00154	0.034832	0.45269	0.185133	5.70E-05	0.292951
-0.1428	0.00198	0.047434	0.30636	-0.01221	0.79247	0.067898	0.14291	0.096129
-0.06903	0.13634	0.057029	0.21865	0.023048	0.61933	0.047446	0.30624	0.189302
-0.08797	0.05748	0.064841	0.16183	-0.00295	0.94922	0.081305	0.07922	0.164292
-0.10332	0.02557	0.040206	0.38601	-0.04945	0.28622	0.091354	0.0485	0.22143
-0.0489	0.29167	0.105298	0.02286	0.027476	0.55366	0.122957	0.00781	0.250991
-0.056	0.2271	0.065959	0.1547	0.015411	0.73976	0.07827	0.09113	0.145973
-0.09701	0.03611	0.027047	0.55988	-0.02192	0.63658	0.046503	0.31596	0.241594
-0.12118	0.00876	0.048867	0.29196	-0.03774	0.41589	0.079641	0.08558	0.22271
0.026045	0.57451	0.20975	4.84E-06	0.086792	0.06092	0.240141	1.50E-07	0.456307
-0.11319	0.01439	0.119629	0.00967	0.010748	0.81681	0.15273	0.00093	0.316384
-0.00193	0.96683	0.150654	0.00109	0.042271	0.36206	0.191031	3.25E-05	0.219305
-0.07422	0.1092	-0.02999	0.51802	-0.03462	0.45545	-0.0112	0.80923	-0.0043
-0.13331	0.0039	-0.04617	0.31946	-0.07583	0.1017	-0.01905	0.68137	0.020149
-0.13315	0.00394	0.025859	0.57724	-0.04901	0.29055	0.066186	0.15328	0.114168
-0.12479	0.00693	-0.01773	0.7024	-0.08138	0.07894	0.028862	0.53382	0.105096
0.012211	0.79241	0.046585	0.31511	0.019905	0.6679	0.037043	0.4245	0.163871

-0.08334	0.07198	0.038971	0.40077	-0.05254	0.25719	0.099187	0.03211	0.079241
-0.0283	0.54186	0.083529	0.07133	-0.00379	0.93496	0.117636	0.01095	0.248126
0.024688	0.59462	-0.00811	0.86118	0.058224	0.20915	-0.08155	0.07833	-0.14031
-0.10735	0.02033	0.060073	0.19502	-0.01786	0.70033	0.085256	0.06565	0.095896
-0.00641	0.89007	0.181186	8.23E-05	0.060877	0.1891	0.198639	1.53E-05	0.396505
-0.01773	0.70239	0.121636	0.00851	0.052854	0.25432	0.129976	0.0049	0.214084
-0.13296	0.004	0.085091	0.06618	-0.03038	0.51255	0.146432	0.00151	0.188312
-0.15677	0.00067	-0.07267	0.1168	-0.12005	0.00941	-0.0351	0.44916	0.004977
-0.08946	0.05336	0.057108	0.21802	-0.02567	0.58002	0.099618	0.03137	0.143421
-0.02092	0.65201	0.187611	4.51E-05	0.062252	0.17928	0.222634	1.18E-06	0.421606
-0.0349	0.45185	0.084425	0.06833	-0.01614	0.72795	0.121958	0.00833	0.226796
0.001493	0.97434	0.17762	0.00011	0.087123	0.05993	0.185793	5.36E-05	0.304724
0.025536	0.58201	0.1681	0.00026	0.058284	0.20867	0.189511	3.76E-05	0.322746
-0.07617	0.10016	-0.05313	0.25181	-0.04267	0.35753	-0.04583	0.32306	-0.09908
-0.01852	0.68968	0.157906	0.00062	0.047338	0.30734	0.175452	0.00014	0.380867
-0.02144	0.64398	0.086263	0.06251	0.039036	0.4	0.087549	0.05869	0.189359
-0.04247	0.35981	-0.00835	0.85725	-0.02535	0.5847	-0.01107	0.81139	0.14234
-0.18362	6.57E-05	-0.05184	0.26354	-0.12964	0.00502	0.008921	0.84753	-0.00695
-0.11723	0.01123	0.052644	0.25621	-0.04408	0.34191	0.095034	0.04009	0.191399
-0.06115	0.18708	0.005989	0.8973	-0.03066	0.50868	0.021986	0.63556	0.076783
0.004441	0.92375	0.184116	6.27E-05	0.05074	0.27384	0.22692	7.22E-07	0.318704
-0.09007	0.05175	0.006695	0.88528	-0.0413	0.37322	0.023673	0.60986	0.106056
-0.00745	0.87251	0.169264	0.00024	0.056549	0.22256	0.19334	2.59E-05	0.292806
0.030547	0.51022	0.196739	1.85E-05	0.067557	0.14493	0.230305	4.87E-07	0.309252
-0.01815	0.69572	0.150525	0.0011	0.054741	0.23773	0.167847	0.00027	0.302637
-0.07309	0.11471	0.002618	0.955	-0.04386	0.34423	0.024403	0.59887	0.081028
-0.03816	0.41065	0.021448	0.64386	-0.04828	0.29778	0.067368	0.14606	0.096225
-0.08134	0.07908	0.037134	0.42337	-0.02563	0.58069	0.062466	0.17779	0.209449
-0.06186	0.18204	0.122467	0.00806	0.002618	0.955	0.17309	0.00017	0.295789
-0.06137	0.18554	0.099886	0.03092	0.01534	0.74092	0.115506	0.0125	0.256578
0.012029	0.79543	0.111727	0.01571	0.028451	0.53968	0.134049	0.00371	0.13565
-0.12192	0.00835	0.08165	0.07796	-0.03268	0.48114	0.130356	0.00478	0.167103
-0.04828	0.29782	0.139528	0.00251	0.048988	0.29077	0.154201	0.00083	0.305542
-0.07272	0.11658	0.039279	0.39706	-0.02604	0.57453	0.062785	0.17558	0.094331
-0.08666	0.0613	0.074693	0.10695	0.021057	0.64992	0.087567	0.05864	0.123419
-0.12331	0.00763	-0.05788	0.21183	-0.06679	0.14958	-0.04877	0.29291	-0.01525
-0.02281	0.6229	0.127321	0.00586	0.046603	0.31493	0.13466	0.00355	0.345182
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0.007083	0.87867	0.185834	5.34E-05	0.144624	0.00173	0.143781	0.00184	0.277355
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-0.10828	0.01926	0.102041	0.02746	-0.04437	0.33871	0.185184	5.67E-05	0.368125
-0.00069	0.98807	0.146516	0.0015	0.085579	0.06463	0.129126	0.0052	0.328825
-0.06862	0.1387	0.113811	0.01386	0.013823	0.76576	0.151747	0.001	0.190079
-0.00387	0.93351	0.152629	0.00094	0.052416	0.25828	0.1828	7.09E-05	0.297989
-0.10831	0.01923	0.066061	0.15406	-0.06326	0.17234	0.132959	0.004	0.229512

-0.11197	0.01548	0.058946	0.20354	-0.03476	0.45362	0.103138	0.02583	0.208597
-0.05375	0.24638	0.10553	0.02256	0.013889	0.76467	0.138563	0.00269	0.24771
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-0.11595	0.01216	0.002677	0.95399	-0.06049	0.1919	0.030147	0.51577	0.077325
0.038295	0.40901	0.281515	5.90E-10	0.10602	0.02194	0.340993	3.52E-14	0.505916
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0.003469	0.9404	0.166052	0.00031	0.059424	0.19989	0.179607	9.51E-05	0.386968
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0.011314	0.80735	0.140461	0.00235	0.081711	0.07773	0.143313	0.0019	0.285421
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-0.15992	0.00052	-0.08309	0.07285	-0.09858	0.03318	-0.05467	0.23834	-0.10547
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-0.0272	0.5577	-0.14313	0.00193	-0.03586	0.43942	-0.18693	4.81E-05	-0.29422
-0.06127	0.18629	0.081249	0.07943	0.010472	0.82144	0.08614	0.06289	0.236871

-0.0295	0.52486	0.108652	0.01884	0.035895	0.439	0.122482	0.00806	0.260207
-0.06111	0.1874	0.038344	0.40841	-0.00809	0.86159	0.065968	0.15465	0.118679
-0.05887	0.20412	-0.00087	0.98507	-0.03117	0.50162	0.02046	0.6592	0.070373
-0.14141	0.00219	-0.07923	0.08723	-0.08737	0.05921	-0.05933	0.20061	-0.08018
-0.04888	0.29187	0.037264	0.42174	-0.00674	0.88448	0.043255	0.35099	0.105214
-0.08108	0.08007	-0.04172	0.36833	-0.01678	0.71766	-0.06836	0.14023	-0.02668
-0.07778	0.09318	0.007594	0.86998	-0.04897	0.29096	0.04502	0.33166	0.023025
-0.06426	0.16562	0.014817	0.74945	-0.0073	0.87498	0.013137	0.77707	0.102458
-0.07675	0.09759	0.071566	0.12249	-0.02019	0.6634	0.11106	0.01635	0.260518
-0.0955	0.03911	0.114272	0.01348	0.038548	0.40591	0.133561	0.00383	0.186699
-0.03108	0.50291	0.057005	0.21885	0.029006	0.53178	0.050114	0.27981	0.17782
-0.15956	0.00054	-0.03022	0.51482	-0.06348	0.17083	0.007845	0.86573	0.046209
-0.02612	0.57345	0.135503	0.00335	0.035003	0.45048	0.174823	0.00015	0.21445
-0.1642	0.00037	-0.00308	0.94715	-0.08891	0.05485	0.055322	0.23278	0.11968
-0.08508	0.0662	0.080888	0.08078	0.029667	0.52247	0.077118	0.096	0.229851
-0.13355	0.00384	-0.01045	0.8218	-0.07602	0.10082	0.024839	0.59236	0.14169
-0.02615	0.57295	0.157417	0.00064	0.055053	0.23506	0.172139	0.00019	0.338524
-0.08065	0.08168	0.085152	0.06598	-0.00056	0.99031	0.112705	0.01482	0.204085
-0.05491	0.23632	0.144809	0.0017	0.017694	0.70292	0.189682	3.70E-05	0.278113
-0.01851	0.68999	0.060297	0.19335	-0.00218	0.96246	0.074645	0.10718	0.194369
-0.05631	0.22456	0.061875	0.18193	-0.00131	0.97754	0.074951	0.10574	0.2433
-0.06833	0.1404	0.113478	0.01414	0.054989	0.23561	0.10348	0.02534	0.203814
-0.09272	0.04521	0.074543	0.10766	0.01035	0.82347	0.077568	0.09407	0.219809
-0.05741	0.21555	0.071568	0.12248	0.00869	0.85143	0.085649	0.06441	0.188667
0.046018	0.32104	-0.16207	0.00044	-0.00999	0.82947	-0.23392	3.18E-07	-0.31654
-0.08395	0.06992	0.091067	0.04921	-0.02105	0.6501	0.137082	0.00299	0.158505
-0.10018	0.03042	0.093258	0.04398	-0.00249	0.95714	0.134291	0.00364	0.218644
-0.1553	0.00076	0.007034	0.87951	-0.08695	0.06044	0.06971	0.13252	0.105284
-0.09632	0.03745	-0.01689	0.71583	-0.05279	0.2549	0.002202	0.96214	0.088291
-0.03102	0.50364	0.095056	0.04004	0.015255	0.74231	0.124172	0.00722	0.124644
-0.14363	0.00186	-0.05872	0.20525	-0.10648	0.02136	-0.01515	0.74397	0.000858
-0.07684	0.09721	0.018811	0.68514	-0.04765	0.30414	0.066199	0.1532	0.106118
-0.08428	0.06882	-0.01548	0.73862	-0.04231	0.36167	-0.01028	0.82461	0.076278
0.134427	0.00361	-0.06227	0.17917	0.034455	0.4576	-0.12327	0.00765	-0.19107
0.010958	0.8133	0.120025	0.00943	0.054202	0.24239	0.114889	0.01298	0.233818
0.055412	0.23202	0.14487	0.0017	0.07936	0.0867	0.137679	0.00287	0.200537
-0.02294	0.62095	0.051966	0.26239	0.008983	0.84648	0.080282	0.08309	0.163575
-0.15753	0.00063	-0.01427	0.75838	-0.06235	0.17857	0.008103	0.86136	0.187268
-0.08015	0.08361	0.042924	0.35469	-0.03673	0.42843	0.078456	0.09036	0.136597
-0.11155	0.01588	0.018017	0.69776	-0.05153	0.26646	0.049731	0.2835	0.147733
-0.07587	0.10152	0.012981	0.77964	-0.02935	0.527	0.031968	0.49072	0.066289
-0.10168	0.02801	0.080728	0.08138	-0.02063	0.65658	0.11122	0.01619	0.25386
-0.04924	0.28824	0.097356	0.03545	0.01841	0.69151	0.111313	0.0161	0.226672
-0.07984	0.08479	0.124411	0.00711	-0.00268	0.95401	0.175071	0.00014	0.260545
-0.01662	0.72011	0.134175	0.00367	0.053001	0.253	0.144278	0.00177	0.271436

-0.09153	0.04805	0.047568	0.30499	-0.03766	0.41678	0.085675	0.06433	0.237499
-0.08235	0.07543	0.043817	0.34475	-0.02257	0.62668	0.067065	0.14789	0.200512
-0.07502	0.10544	0.031195	0.50128	-0.01875	0.68609	0.056619	0.22199	0.139768
-0.07495	0.10576	0.056547	0.22258	-0.01223	0.7921	0.089247	0.05394	0.19033
-0.1596	0.00054	-0.04831	0.29746	-0.08718	0.05975	-0.01384	0.76549	0.037552
-0.0122	0.79256	-0.17125	0.0002	-0.06158	0.184	-0.19699	1.80E-05	-0.3864
-0.02419	0.60202	0.088453	0.05612	0.003869	0.93355	0.119419	0.00979	0.190795
-0.10345	0.02537	0.046536	0.31562	-0.03603	0.43728	0.07824	0.09125	0.160315
-0.06938	0.13436	0.017627	0.704	-0.01292	0.78065	0.007117	0.87809	0.150227
-0.12196	0.00833	0.044522	0.33704	-0.04708	0.30994	0.080708	0.08146	0.271669
-0.05259	0.2567	0.012275	0.79134	0.021622	0.64117	-0.0115	0.80422	0.075812
0.02127	0.64662	0.172655	0.00018	0.085939	0.06351	0.175672	0.00014	0.338705
-0.04837	0.29695	0.12878	0.00532	0.037325	0.42098	0.145421	0.00163	0.311016
0.088857	0.055	-0.01483	0.7493	0.069606	0.1331	-0.07142	0.12325	-0.14926
-0.06474	0.16251	0.065485	0.1577	-0.00233	0.95992	0.093923	0.04248	0.222948
-0.02766	0.55105	0.001661	0.97145	-0.01276	0.78328	-0.00225	0.96134	0.015792
-0.00767	0.86864	0.146143	0.00154	0.053295	0.25037	0.164156	0.00037	0.289174
-0.03385	0.46553	0.137332	0.00294	0.03778	0.41533	0.168451	0.00026	0.349554
-0.02853	0.53859	0.143262	0.00191	0.068943	0.13684	0.131553	0.0044	0.297979
-0.15135	0.00104	-0.02824	0.54264	-0.08911	0.05432	0.011979	0.79627	0.09489
0.004348	0.92535	0.13735	0.00294	0.063752	0.16901	0.152224	0.00097	0.239416
-0.10742	0.02025	0.041377	0.37232	-0.03689	0.42648	0.07744	0.09462	0.174314
-0.18052	8.75E-05	-0.03555	0.44343	-0.09023	0.05134	0.006202	0.89367	0.008057
-0.0196	0.67275	0.124934	0.00687	0.045422	0.32736	0.127616	0.00575	0.216976
-0.04694	0.31145	0.097181	0.03578	0.009957	0.83007	0.123822	0.00739	0.301509
-0.128	0.0056	0.026246	0.57156	-0.03859	0.40539	0.046691	0.314	0.150929
-0.18369	6.53E-05	-0.05366	0.24715	-0.1114	0.01602	-0.00895	0.84709	0.052862
0.026565	0.56689	0.241775	1.23E-07	0.130177	0.00484	0.241008	1.35E-07	0.476594
0.012664	0.78489	0.065565	0.15719	-0.01309	0.77792	0.105104	0.02312	0.135787
0.027383	0.555	0.088068	0.0572	0.090128	0.0516	0.042008	0.36506	0.138788
-0.13392	0.00374	-0.08262	0.07448	-0.07266	0.11686	-0.09569	0.03873	4.07E-05
-0.00364	0.93739	0.03706	0.42429	0.036697	0.42884	0.017898	0.69967	0.069437
-0.09255	0.04561	-0.01401	0.76272	-0.07753	0.09424	0.025097	0.58853	0.010727
0.035136	0.44876	0.119449	0.00978	0.040518	0.38232	0.151727	0.001	0.237543
-0.14447	0.00175	-0.03805	0.41195	-0.05818	0.20947	-0.01516	0.74385	0.028724
0.02408	0.60372	0.017873	0.70006	0.043399	0.34938	-0.02038	0.66047	-0.01841
0.023334	0.61498	0.057019	0.21874	0.017697	0.70288	0.054008	0.24408	0.161277
-0.08488	0.06686	0.023832	0.60746	-0.02565	0.58031	0.034917	0.45159	0.056957
-0.09398	0.04237	0.078353	0.09078	-0.02686	0.5626	0.1193	0.00987	0.250175
-0.0927	0.04525	0.094506	0.04121	-0.01273	0.7838	0.138942	0.00262	0.258923
-0.07438	0.10843	0.134266	0.00365	0.0214	0.64461	0.163344	0.00039	0.30891
-0.18078	8.55E-05	-0.13857	0.00269	-0.14785	0.00135	-0.11863	0.01029	-0.12695
-0.20206	1.08E-05	-0.07903	0.08802	-0.1264	0.00623	-0.04194	0.36578	0.013649
-0.14063	0.00232	0.049076	0.28991	-0.04098	0.37692	0.098285	0.03372	0.179026
-0.07892	0.08848	0.090727	0.05006	0.00248	0.95737	0.115485	0.01251	0.251419

-0.06486	0.1617	0.05942	0.19992	-0.03729	0.42144	0.101471	0.02834	0.213557
-0.02882	0.5344	0.074098	0.10978	0.01225	0.79175	0.080041	0.08402	0.254116
-0.03473	0.45406	-0.04826	0.29804	-0.03578	0.44052	-0.05512	0.23453	-0.00336
-0.06813	0.14157	0.108832	0.01864	0.02906	0.53102	0.122128	0.00824	0.186025
-0.12056	0.00911	0.08389	0.07011	0.008917	0.8476	0.105096	0.02313	0.150068
0.077542	0.09418	0.262435	8.55E-09	0.128893	0.00528	0.295715	7.04E-11	0.512691
-0.08467	0.06753	0.086852	0.06074	-0.00107	0.98163	0.109931	0.01748	0.245239
-0.04124	0.37392	0.117995	0.01071	0.010265	0.82491	0.160736	0.00049	0.198096
-0.05142	0.26747	0.132585	0.0041	0.02872	0.53584	0.171176	0.0002	0.302506
-0.04336	0.34979	0.025863	0.57719	-0.03933	0.39644	0.047409	0.30662	0.126382
-0.04288	0.35517	0.173946	0.00016	0.051428	0.26737	0.214016	3.06E-06	0.29856
-0.03069	0.50825	0.119822	0.00955	0.045895	0.32233	0.119864	0.00952	0.285431
0.041207	0.37428	0.155651	0.00074	0.107178	0.02052	0.158351	0.00059	0.272054
-0.12062	0.00907	-0.03806	0.41193	-0.09454	0.04114	0.007295	0.87507	0.038234
-0.00187	0.96781	0.11406	0.01365	0.036618	0.42984	0.125516	0.00661	0.212783
-0.14676	0.00147	0.047493	0.30576	-0.05637	0.224	0.092483	0.04577	0.180916
-0.00269	0.95375	0.088118	0.05706	0.013066	0.77824	0.116722	0.01159	0.214816
0.021451	0.64382	0.157025	0.00066	0.087308	0.05939	0.14564	0.0016	0.339975
0.01958	0.673	0.1711	0.0002	0.098942	0.03254	0.167279	0.00028	0.339468
-0.09889	0.03264	0.007481	0.87191	-0.04174	0.36808	0.031951	0.49096	0.110675
0.018958	0.68282	0.105745	0.02229	0.058104	0.21009	0.103872	0.02478	0.230545
-0.00262	0.95505	0.061115	0.18737	0.001642	0.97177	0.077322	0.09512	0.237256
-0.01004	0.82861	0.146842	0.00146	0.079098	0.08774	0.152223	0.00097	0.356708
-0.12874	0.00533	-0.171	0.00021	-0.12323	0.00767	-0.15256	0.00094	-0.27593
-0.07437	0.10848	0.100827	0.02936	0.020302	0.66168	0.116199	0.01198	0.282984
-0.06307	0.17363	0.091833	0.04732	0.016148	0.7278	0.10815	0.0194	0.269831
-0.11774	0.01088	-0.00684	0.88283	-0.08908	0.0544	0.049449	0.28625	0.08344
-0.01956	0.67332	0.122592	0.008	0.044321	0.33922	0.130894	0.00461	0.161817
0.0055	0.90564	0.135692	0.0033	0.058688	0.20553	0.143002	0.00195	0.303354
0.053773	0.24614	0.21464	2.86E-06	0.136706	0.00307	0.213514	3.23E-06	0.415121
-0.01072	0.81729	0.026326	0.57039	0.074913	0.10592	-0.04717	0.30904	0.027613
-0.15363	0.00087	-0.11289	0.01465	-0.1215	0.00858	-0.06725	0.14675	-0.07952
0.065703	0.15631	-0.00661	0.88663	0.011989	0.7961	-0.02976	0.52124	-0.03252
-0.03601	0.43758	0.083479	0.0715	-1.64E-05	0.99972	0.11896	0.01008	0.166542
0.008721	0.8509	-0.16902	0.00024	-0.05422	0.24227	-0.21577	2.53E-06	-0.23642
-0.07845	0.09038	0.110341	0.01706	0.024822	0.59262	0.119418	0.0098	0.26863
-0.04699	0.31088	0.032522	0.48324	-0.02641	0.56915	0.051719	0.26468	0.140131
-0.05524	0.23345	0.100866	0.0293	0.024232	0.60145	0.117709	0.0109	0.197947
-0.09173	0.04756	0.032235	0.4871	-0.0083	0.85799	0.047605	0.30462	0.07282
-0.07587	0.10154	0.035779	0.44049	0.003525	0.93944	0.032707	0.48075	0.117594
0.061317	0.18591	-0.08723	0.05961	0.011799	0.79925	-0.13737	0.00293	-0.25733
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-0.1187	0.01025	-0.07118	0.12452	-0.074	0.11027	-0.06311	0.17336	-0.05433
-0.02801	0.54605	0.095875	0.03835	0.037384	0.42024	0.097446	0.03527	0.249208
-0.06207	0.18059	0.110646	0.01676	0.037471	0.41916	0.121779	0.00843	0.268422

-0.11123	0.01618	0.048892	0.29172	-0.04364	0.34672	0.098081	0.03409	0.211838
-0.13904	0.0026	-0.08454	0.06797	-0.08338	0.07183	-0.07222	0.1191	-0.08032
-0.08358	0.07115	-0.01483	0.74918	-0.02738	0.55504	-0.01134	0.80696	0.060819
-0.00173	0.97024	0.072881	0.11576	0.017543	0.70534	0.077728	0.09339	0.22152
-0.11202	0.01544	0.060956	0.18852	-0.03691	0.42617	0.10738	0.02029	0.186185
-0.00717	0.87711	0.040686	0.38036	-0.00154	0.97345	0.042941	0.3545	0.11025
-0.08031	0.083	0.048368	0.29692	-0.03513	0.44887	0.091696	0.04765	0.233478
-0.10419	0.02435	0.00473	0.9188	-0.04075	0.37961	0.015277	0.74194	0.155782
-0.03629	0.43395	0.081713	0.07772	0.022142	0.63317	0.092805	0.04502	0.178025
-0.00562	0.90365	0.157505	0.00064	0.045475	0.32679	0.202795	1.00E-05	0.309074
-0.05532	0.2328	0.027951	0.54683	-0.00749	0.87182	0.040243	0.38557	0.081279
-0.05083	0.273	0.080168	0.08352	0.006196	0.89377	0.099565	0.03146	0.178068
0.03274	0.4803	0.142761	0.00198	0.096077	0.03794	0.127458	0.00581	0.333337
-0.04572	0.32418	0.04758	0.30488	-0.02286	0.62218	0.070946	0.12577	0.070983
-0.04782	0.30244	0.078962	0.08829	0.012225	0.79218	0.101801	0.02782	0.146323
-0.08518	0.0659	0.052321	0.25914	-0.00576	0.90125	0.069287	0.13489	0.134862
-0.10823	0.01931	-0.03506	0.44967	-0.07288	0.11576	-0.00318	0.94529	0.0069
0.00535	0.9082	0.207933	5.87E-06	0.093127	0.04428	0.226793	7.32E-07	0.434925
-0.06878	0.13778	0.097671	0.03485	0.047032	0.31049	0.08718	0.05977	0.240115
0.008088	0.86161	0.194476	2.32E-05	0.075193	0.10462	0.209503	4.97E-06	0.384996
-0.03978	0.39109	-0.01407	0.7617	-0.02242	0.62889	-0.025	0.58991	0.004164
-0.12177	0.00843	-0.00618	0.89411	-0.07274	0.11645	0.02376	0.60855	0.044852
-0.14332	0.0019	0.002159	0.96289	-0.07108	0.12505	0.037171	0.4229	0.129976
-0.08897	0.0547	0.051595	0.26582	-0.00733	0.87454	0.077389	0.09484	0.202661
-0.13216	0.00422	0.022111	0.63364	-0.04348	0.34846	0.050211	0.27888	0.066815
-0.10931	0.01813	0.122059	0.00828	-0.01796	0.69872	0.183227	6.81E-05	0.331038
-0.07936	0.08668	0.095464	0.03919	0.018785	0.68556	0.122391	0.0081	0.227889
-0.12555	0.00659	0.05162	0.26559	-0.0285	0.53902	0.078635	0.08962	0.187803
-0.12807	0.00558	0.031332	0.4994	-0.01396	0.76354	0.059645	0.19822	0.114966
-0.04865	0.29415	-0.01156	0.80318	-0.05557	0.23068	0.016416	0.72346	-0.00166
-0.00866	0.85191	0.213805	3.13E-06	0.096055	0.03799	0.233758	3.24E-07	0.403405
-0.11762	0.01097	-0.01305	0.77858	-0.06049	0.19192	0.014078	0.76157	0.002157
-0.08184	0.07725	0.106714	0.02108	0.029012	0.5317	0.126863	0.00605	0.237526
0.082117	0.07626	-0.07996	0.08434	-0.00745	0.87235	-0.10473	0.02362	-0.23359
0.010702	0.81757	0.253916	2.64E-08	0.089595	0.05301	0.313353	4.25E-12	0.385172
-0.08452	0.06803	0.098403	0.03351	-0.03216	0.48817	0.167049	0.00029	0.282006
0.060076	0.195	0.127971	0.00561	0.089051	0.05447	0.108485	0.01903	0.191995
-0.13737	0.00293	-0.06829	0.14063	-0.0656	0.15698	-0.07977	0.08509	0.033399
-0.06184	0.18217	0.018912	0.68354	-0.04164	0.36926	0.039721	0.39177	0.144182
-0.09306	0.04443	0.044179	0.34078	-0.03144	0.49795	0.074954	0.10573	0.035442
0.009839	0.83206	0.148431	0.0013	0.081598	0.07814	0.157293	0.00065	0.282557
-0.01003	0.8289	0.167975	0.00027	0.02785	0.54828	0.227775	6.54E-07	0.307563
-0.04478	0.33424	0.080629	0.08176	0.00428	0.9265	0.117175	0.01127	0.15943
-0.06409	0.16674	0.029865	0.51971	-0.00539	0.90747	0.028044	0.54549	0.109182
-0.066	0.15443	0.049955	0.28134	0.011646	0.80181	0.040604	0.38131	0.141064

-0.04111	0.37542	0.092386	0.046	0.045565	0.32584	0.088854	0.05501	0.147785
-0.01078	0.81626	0.016757	0.71797	-0.0169	0.71559	0.043887	0.34399	0.061172
-0.13209	0.00425	0.00517	0.91128	-0.08561	0.06453	0.050243	0.27857	0.127641
0.011561	0.80323	0.225832	8.18E-07	0.117916	0.01076	0.229483	5.36E-07	0.419178
0.009893	0.83115	0.006339	0.89133	0.006939	0.88112	-0.00725	0.87585	0.11293
-0.14722	0.00142	0.034344	0.45906	-0.04341	0.34926	0.062732	0.17594	0.151169
-0.06491	0.16138	0.120965	0.00888	0.012804	0.78258	0.154773	0.00079	0.327752
-0.05214	0.26081	0.098325	0.03365	0.029882	0.51946	0.11005	0.01736	0.183254
-0.08257	0.07465	0.013884	0.76475	-0.03463	0.45538	0.026898	0.56204	0.110949
-0.08361	0.07104	0.065209	0.15946	-0.01152	0.80388	0.080066	0.08392	0.232826
-0.04931	0.28765	-0.01663	0.72008	-0.0263	0.57078	-0.01376	0.76672	0.043983
-0.05491	0.23633	0.123366	0.00761	0.038997	0.40046	0.142392	0.00204	0.26834
0.080886	0.08079	0.008344	0.85728	0.059352	0.20044	-0.02977	0.52108	-0.01575
-0.03339	0.47167	0.091919	0.04712	0.043438	0.34895	0.083461	0.07156	0.253503
0.125514	0.00661	0.178116	0.00011	0.126521	0.00618	0.163555	0.00039	0.215772
-0.00694	0.88118	0.119123	0.00998	0.059996	0.19559	0.120609	0.00908	0.237432
-0.0236	0.61099	0.122901	0.00784	0.060973	0.1884	0.122254	0.00817	0.221163
-0.16798	0.00027	-0.05352	0.24838	-0.08474	0.06729	-0.0295	0.52486	0.024265
-0.03677	0.42792	0.065011	0.16073	-0.00511	0.91238	0.093889	0.04256	0.156854
-0.01296	0.77991	0.086021	0.06326	0.029994	0.5179	0.0989	0.03262	0.199649
0.024291	0.60056	0.139148	0.00258	0.055896	0.22796	0.159925	0.00052	0.18648
-0.05768	0.21341	0.016551	0.7213	-0.02553	0.58209	0.036581	0.43031	0.101535
-0.05138	0.26786	0.117519	0.01103	0.021312	0.64596	0.147806	0.00136	0.274596
-0.14629	0.00152	-0.1375	0.00291	-0.15717	0.00065	-0.10975	0.01766	-0.11757
-0.12454	0.00705	0.009578	0.83645	-0.05396	0.24452	0.060146	0.19447	0.122557
-0.1089	0.01857	-0.04111	0.37541	-0.08476	0.06723	0.005866	0.8994	0.040835
-0.02361	0.61083	0.044859	0.3334	0.005435	0.90675	0.047619	0.30448	0.080818
-0.08849	0.05603	0.01569	0.73524	-0.0229	0.62154	0.012941	0.7803	0.122738
-0.10996	0.01745	-0.00432	0.92575	-0.04513	0.33048	0.015124	0.74444	0.066986
0.056229	0.2252	0.099716	0.0312	0.059885	0.19642	0.106533	0.0213	0.221691
-0.06968	0.13267	-0.00925	0.84199	-0.04129	0.37328	0.001593	0.97261	0.084141
-0.0713	0.12388	0.079495	0.08616	0.04565	0.32493	0.068712	0.13817	0.124734
0.015773	0.73389	0.061891	0.18182	0.035345	0.44606	0.060594	0.19116	0.180719
-0.14815	0.00132	-0.05013	0.27965	-0.09249	0.04576	-0.03115	0.50191	0.105331
-0.0668	0.14953	0.128814	0.00531	0.033265	0.47329	0.163887	0.00038	0.280403
-0.108	0.01957	0.029218	0.52879	-0.05083	0.27296	0.088154	0.05696	0.19857
-0.07253	0.11753	0.086002	0.06331	-0.00343	0.94104	0.124205	0.0072	0.247801
-0.06666	0.15037	0.027714	0.55022	-0.03134	0.49932	0.050421	0.27687	0.084201
-0.15042	0.00111	-0.00246	0.95767	-0.06458	0.16353	0.036537	0.43086	0.194056
-0.15444	0.00081	-0.03198	0.4906	-0.10185	0.02774	0.025007	0.58985	0.12452
-0.00583	0.89994	0.203989	8.86E-06	0.100434	0.03	0.219066	1.76E-06	0.374273
-0.12466	0.00699	-0.11186	0.01559	-0.13379	0.00377	-0.08634	0.06229	-0.08725
-0.07055	0.12791	0.083276	0.07219	0.033103	0.47545	0.072713	0.1166	0.143092
-0.07673	0.09768	0.120923	0.0089	0.023179	0.61734	0.147457	0.0014	0.214903
-0.12345	0.00757	0.097619	0.03495	-0.01946	0.67496	0.145124	0.00166	0.277069

-0.08985	0.05233	-0.01186	0.7983	-0.04771	0.30352	-0.00506	0.91313	0.126742
-0.07644	0.09898	0.042608	0.35824	-0.01602	0.7299	0.055699	0.22961	0.113387
-0.07693	0.09684	0.050515	0.27598	-0.0506	0.27513	0.095023	0.04011	0.181744
-0.00436	0.92509	0.016888	0.71586	-0.02163	0.6411	0.023749	0.6087	0.094518
-0.03827	0.40931	0.122641	0.00797	0.001475	0.97464	0.174316	0.00015	0.265087
-0.09806	0.03414	-0.02218	0.63259	-0.04332	0.35022	-0.01093	0.81372	0.030774
-0.09298	0.04462	0.093705	0.04297	0.025203	0.58694	0.09198	0.04697	0.221494
-0.07284	0.11597	-0.09642	0.03726	-0.07876	0.08913	-0.10499	0.02326	-0.13204
-0.0382	0.41018	0.134445	0.0036	0.022989	0.62022	0.159357	0.00055	0.311912
-0.07666	0.098	0.016554	0.72124	-0.04653	0.31563	0.057424	0.21548	0.016238
-0.07228	0.11878	0.049959	0.2813	-0.01296	0.77995	0.072841	0.11595	0.210605
-0.05801	0.2108	0.063153	0.17306	-0.01052	0.82059	0.09239	0.04599	0.198773
-0.24203	1.19E-07	-0.08135	0.07907	-0.14867	0.00127	-0.0205	0.65858	-0.00028
-0.14164	0.00215	-0.02884	0.5341	-0.10211	0.02734	0.029379	0.52653	0.068752
-0.06307	0.17363	0.078789	0.08899	0.018614	0.68827	0.07359	0.11225	0.224292
-0.00609	0.89562	0.121222	0.00873	0.019442	0.67518	0.169046	0.00024	0.207876
-0.08935	0.05367	0.052018	0.26192	-0.04269	0.35732	0.097278	0.03559	0.188927
-0.07219	0.11928	0.110837	0.01657	0.006723	0.88479	0.153007	0.00091	0.245345
-0.07808	0.0919	0.04031	0.38477	-0.0189	0.68367	0.042056	0.36451	0.218217
-0.05813	0.20986	0.131545	0.00441	0.01006	0.82835	0.177136	0.00012	0.275578
-0.03636	0.43308	0.148869	0.00125	0.020452	0.65933	0.191353	3.15E-05	0.401327
-0.09755	0.03508	0.088539	0.05588	0.01483	0.74924	0.097215	0.03571	0.274835
-0.08152	0.07841	-0.02415	0.60266	-0.02756	0.55248	-0.03788	0.41417	0.07669
0.023972	0.60535	0.150104	0.00114	0.112525	0.01498	0.118737	0.01022	0.25143
-0.16051	0.0005	-0.02565	0.58035	-0.06384	0.16841	-0.00478	0.91801	0.011208
-0.14672	0.00148	-0.12939	0.0051	-0.1304	0.00477	-0.11053	0.01687	-0.09738
-0.13194	0.00429	-0.05653	0.22272	-0.04018	0.38626	-0.06351	0.17063	0.026273
-0.14251	0.00202	-0.02087	0.6529	-0.09402	0.04227	0.034918	0.45157	0.06835
-0.14034	0.00237	0.091387	0.04841	-0.04246	0.35988	0.157191	0.00065	0.228392
0.011298	0.80762	0.114251	0.01349	0.024745	0.59377	0.138268	0.00275	0.293161
0.025657	0.58022	0.12462	0.00701	0.077364	0.09494	0.108814	0.01866	0.239328
-0.1357	0.0033	-0.0726	0.11719	-0.11846	0.0104	-0.02422	0.60164	-0.07239
-0.04824	0.29824	0.100825	0.02936	0.035328	0.44628	0.098927	0.03257	0.314592
-0.05488	0.23652	-0.02387	0.60687	-0.06309	0.17352	0.01594	0.73117	0.00341
-0.09905	0.03235	0.044754	0.33453	-0.04284	0.35566	0.097463	0.03524	0.169561
0.044836	0.33365	0.204777	8.17E-06	0.0737	0.11171	0.25447	2.45E-08	0.382331
-0.14843	0.0013	0.045783	0.32352	-0.02625	0.5715	0.074059	0.10997	0.148102
-0.11587	0.01222	0.05976	0.19736	-0.01988	0.66833	0.087495	0.05885	0.152889
-0.07083	0.12641	0.054193	0.24247	-0.03445	0.4577	0.095619	0.03887	0.184423
0.087266	0.05952	-0.04037	0.3841	0.075489	0.10325	-0.12733	0.00586	-0.16451
-0.14271	0.00199	0.061966	0.18129	-0.05765	0.2137	0.128719	0.00534	0.272696
-0.06852	0.13929	0.114906	0.01297	0.004319	0.92583	0.15551	0.00075	0.241206
-0.01913	0.68012	0.15437	0.00082	0.047906	0.30157	0.180594	8.69E-05	0.379268
-0.26282	8.12E-09	-0.09982	0.03103	-0.17938	9.71E-05	-0.01805	0.69728	-0.00598
0.040454	0.38308	-0.04176	0.36793	0.021354	0.64531	-0.08678	0.06095	-0.1789



-0.13909	0.00259	-0.09493	0.04031	-0.12553	0.0066	-0.06097	0.1884	-0.0538
-0.12291	0.00783	0.044982	0.33207	-0.03926	0.39733	0.074862	0.10616	0.242431
-0.00698	0.88045	0.127792	0.00568	0.048597	0.29464	0.129993	0.0049	0.337116
-0.0505	0.27615	0.024254	0.60111	-0.01887	0.68417	0.04436	0.3388	0.140054
-0.11435	0.01341	-0.01367	0.76822	-0.04058	0.3816	-0.00329	0.94356	0.11549
-0.0874	0.05912	0.007541	0.87089	-0.00766	0.86886	0.007673	0.86866	0.036274
-0.07853	0.09004	0.00918	0.84316	-0.02814	0.54407	0.017943	0.69895	0.143148
0.165804	0.00032	0.024509	0.59729	0.067166	0.14728	0.0026	0.95531	-0.15829
0.114116	0.0136	-0.10588	0.02211	-0.01458	0.75333	-0.13939	0.00254	-0.26585
-0.10653	0.02131	0.022056	0.63448	-0.06718	0.14721	0.070294	0.1293	0.150244
-0.09132	0.04859	0.033478	0.47046	-0.01087	0.81476	0.046449	0.31653	0.184875
-0.08135	0.07905	0.078511	0.09013	-0.00628	0.89227	0.111096	0.01631	0.28427
-0.04689	0.31193	0.087796	0.05798	-0.0041	0.92956	0.122769	0.00791	0.257378
-0.05722	0.21711	0.002122	0.96352	-0.03799	0.41269	0.027226	0.55728	0.041153
0.004451	0.92358	0.087095	0.06002	0.038354	0.40828	0.079062	0.08789	0.238298
-0.06144	0.18505	0.00793	0.86429	-0.02752	0.55299	0.025476	0.58291	0.014647
-0.01398	0.76314	0.168786	0.00025	0.078418	0.09051	0.172826	0.00017	0.337115
0.00608	0.89575	-0.17922	9.85E-05	-0.06183	0.18229	-0.21797	1.98E-06	-0.43032
-0.09506	0.04003	-0.04153	0.37058	-0.06515	0.15985	-0.03669	0.42897	0.012037
-0.05965	0.1982	0.08361	0.07105	0.003512	0.93967	0.113803	0.01387	0.196252
-0.15031	0.00112	-0.01465	0.75214	-0.06116	0.18706	0.00624	0.89302	0.081971
-0.15497	0.00078	-0.06153	0.18437	-0.09407	0.04215	-0.02801	0.54599	0.055282
-0.09346	0.04351	-0.01821	0.69465	-0.04117	0.37476	-0.02257	0.62664	0.018521
-0.08705	0.06015	0.125754	0.00651	0.021924	0.63652	0.153486	0.00088	0.307496
0.020755	0.65462	0.16964	0.00023	0.109377	0.01806	0.165333	0.00033	0.340271
-0.1455	0.00162	0.012699	0.78432	-0.0697	0.13256	0.058965	0.20339	0.117292
-0.02092	0.65204	0.122297	0.00815	0.034268	0.46005	0.143329	0.0019	0.292915
-0.15899	0.00056	0.009717	0.83412	-0.06245	0.17789	0.045719	0.3242	0.145085
0.096964	0.0362	-0.07901	0.08808	0.032119	0.48867	-0.13233	0.00418	-0.16984
-0.09128	0.04867	0.018015	0.69779	-0.04099	0.37677	0.04162	0.36951	0.154931
-0.12884	0.0053	0.033543	0.4696	-0.06185	0.18212	0.087085	0.06005	0.150126
0.008937	0.84727	0.060418	0.19246	0.025607	0.58096	0.083849	0.07024	0.109367
-0.1093	0.01814	0.003433	0.94103	-0.06082	0.18954	0.032594	0.48227	0.162413
-0.10894	0.01853	0.032995	0.4769	-0.04084	0.37861	0.061982	0.18118	0.172501
-0.0265	0.56777	0.136234	0.00318	0.027762	0.54954	0.171802	0.00019	0.315145
-0.02639	0.56938	0.040978	0.37695	0.001509	0.97406	0.06201	0.18098	0.130236
-0.07786	0.09283	0.084301	0.06874	-0.02219	0.63246	0.132872	0.00402	0.225214
0.084911	0.06675	-0.04323	0.35122	0.03481	0.45298	-0.07601	0.10087	-0.11945
-0.02946	0.52532	0.118417	0.01043	0.032063	0.48943	0.149978	0.00115	0.216319
-0.18454	6.03E-05	-0.15456	0.0008	-0.17055	0.00021	-0.10967	0.01775	-0.12264
-0.08571	0.06422	0.050277	0.27825	-0.04388	0.34403	0.095223	0.03969	0.22304
0.103278	0.02563	0.160711	0.00049	0.118599	0.01031	0.149481	0.0012	0.173368
-0.02032	0.66135	0.086633	0.06139	0.035495	0.44413	0.099978	0.03076	0.213134
-0.21302	3.41E-06	-0.18959	3.73E-05	-0.2019	1.10E-05	-0.12875	0.00533	-0.16076
-0.04059	0.38144	0.078328	0.09088	0.040065	0.38768	0.062772	0.17567	0.215016

-0.13022	0.00483	0.024031	0.60445	-0.02738	0.55511	0.03009	0.51656	0.190352
0.088337	0.05644	0.149574	0.00119	0.093874	0.04259	0.145077	0.00167	0.282766
-0.03886	0.40207	0.145907	0.00157	0.036888	0.42645	0.176975	0.00012	0.383404
-0.13684	0.00304	-0.04491	0.33288	-0.10582	0.02219	-0.00146	0.97491	0.0514
0.286715	2.75E-10	0.071591	0.12236	0.172411	0.00018	-0.03032	0.5133	-0.0843
0.032128	0.48856	0.142867	0.00197	0.093646	0.0431	0.135341	0.00339	0.275331
-0.00417	0.92839	0.175943	0.00013	0.096308	0.03748	0.189846	3.64E-05	0.292671
-0.017	0.71398	0.091752	0.04752	0.012835	0.78207	0.13182	0.00432	0.162692
-0.01265	0.7852	0.08382	0.07034	0.021662	0.64056	0.091613	0.04786	0.196576
0.019093	0.68068	0.206997	6.48E-06	0.108085	0.01947	0.216315	2.38E-06	0.36853
-0.13455	0.00358	-0.13103	0.00456	-0.0834	0.07175	-0.15407	0.00084	-0.09799
-0.0045	0.92265	-0.10816	0.01939	-0.02889	0.5334	-0.1439	0.00182	-0.21081
-0.12179	0.00842	-0.08837	0.05636	-0.08522	0.06576	-0.07455	0.10762	0.030602
-0.01367	0.76821	0.148343	0.0013	0.059174	0.2018	0.158214	0.0006	0.326592
-0.00225	0.9613	0.166869	0.00029	0.054869	0.23664	0.208587	5.48E-06	0.293645
0.035495	0.44413	0.20082	1.23E-05	0.106885	0.02087	0.191107	3.22E-05	0.456903
0.012771	0.78311	0.161098	0.00047	0.10355	0.02524	0.146071	0.00155	0.332012
-0.16205	0.00044	0.024979	0.59028	-0.06769	0.14412	0.077828	0.09297	0.154395
0.029342	0.52704	-0.06052	0.19169	-0.03136	0.499	-0.07897	0.08826	-0.02616
-0.03983	0.39047	0.009884	0.8313	-0.02928	0.52795	0.020138	0.66424	0.154022
-0.10403	0.02456	-0.06249	0.17763	-0.07438	0.10841	-0.04333	0.35019	-0.0503
-0.13263	0.00409	-0.15651	0.00069	-0.16985	0.00023	-0.11095	0.01646	-0.15647
-0.08423	0.06897	-0.18512	5.71E-05	-0.1526	0.00094	-0.16536	0.00033	-0.30537
0.112788	0.01474	0.023904	0.60638	0.033256	0.47341	0.009519	0.83745	0.056032
-0.01989	0.66819	0.010896	0.81433	-0.01342	0.77238	0.00563	0.90342	0.07894
-0.04502	0.33163	-0.05416	0.24278	-0.07986	0.08472	-0.03171	0.49427	0.013504
0.014927	0.74766	0.04242	0.36037	-0.00709	0.87847	0.061678	0.18333	0.225651
-0.12103	0.00884	-0.11637	0.01185	-0.0955	0.03912	-0.12855	0.0054	-0.16298
0.063967	0.16758	-0.09911	0.03224	-0.06467	0.16293	-0.09508	0.03999	-0.18445
0.021519	0.64276	-0.01276	0.78324	-0.04385	0.34436	-0.00153	0.97371	0.135751
-0.01415	0.76043	-0.06289	0.17483	-0.06422	0.16592	-0.04831	0.29747	-0.04898
-0.04526	0.32908	0.013311	0.77419	-0.06308	0.17354	0.04646	0.31641	0.163471
0.001546	0.97342	-0.04456	0.33664	-0.04474	0.33469	-0.04287	0.35527	0.062466
0.053557	0.24805	0.039742	0.39152	0.002659	0.9543	0.056868	0.21997	0.137954
-0.12833	0.00548	-0.21547	2.61E-06	-0.17896	0.0001	-0.18832	4.22E-05	-0.2642
-0.14157	0.00216	-0.08893	0.05479	-0.08836	0.05637	-0.08038	0.08269	-0.02231
-0.11546	0.01253	-0.12859	0.00539	-0.14023	0.00239	-0.09648	0.03714	-0.09196
0.004573	0.92149	0.045816	0.32318	-0.00297	0.94894	0.054781	0.23739	0.172042
-0.15315	0.0009	-0.10141	0.02843	-0.12546	0.00664	-0.07828	0.09108	-0.06898
0.005075	0.91291	-0.00418	0.92818	-0.04533	0.32837	0.004825	0.91717	0.10401
0.151941	0.00099	0.036425	0.43228	0.165022	0.00034	-0.07642	0.09905	-0.14896
-0.11639	0.01184	-0.20327	9.55E-06	-0.15617	0.00071	-0.20102	1.20E-05	-0.25385
-0.01592	0.73142	-0.14054	0.00233	-0.10662	0.0212	-0.13438	0.00362	-0.18291
0.057965	0.21118	-0.18784	4.41E-05	-0.04455	0.33678	-0.25367	2.72E-08	-0.31309
-0.02291	0.62142	0.027019	0.56028	-0.03604	0.4371	0.068278	0.14068	0.129416

-0.00959	0.83622	0.003025	0.94802	-0.03766	0.41688	0.01606	0.72923	0.115176
0.018859	0.68439	0.049551	0.28525	-0.00408	0.92986	0.064763	0.16234	0.157096
-0.20339	9.43E-06	-0.15751	0.00064	-0.17678	0.00012	-0.12399	0.0073	-0.05062
-0.03514	0.4487	0.05381	0.24582	-0.02749	0.55347	0.099865	0.03095	0.219983
0.157001	0.00066	0.158915	0.00057	0.101787	0.02785	0.141961	0.0021	0.365997
0.019877	0.66833	-0.09636	0.03738	-0.06891	0.13701	-0.08946	0.05336	-0.06155
0.054216	0.24226	-0.0751	0.10505	-0.00094	0.98381	-0.11053	0.01687	-0.10777
0.106447	0.02141	0.0451	0.33081	0.02286	0.62218	0.047898	0.30165	0.076795
0.076952	0.09672	-0.07698	0.09661	0.003057	0.94747	-0.11944	0.00978	-0.21186
-0.01473	0.7508	-0.00289	0.95034	-0.04109	0.37563	0.016045	0.72948	0.137131
-0.01127	0.80813	-0.00312	0.94642	-0.01319	0.77619	-0.00043	0.99256	0.079424
-0.11649	0.01176	-0.09757	0.03504	-0.08124	0.07946	-0.10166	0.02804	-0.11539
0.040432	0.38334	-0.08034	0.08285	0.053952	0.24457	-0.15248	0.00095	-0.22697
-0.02878	0.53504	-0.05333	0.25003	-0.06082	0.18954	-0.04659	0.31501	0.027298
-0.17267	0.00018	-0.10323	0.02569	-0.14781	0.00136	-0.057	0.21893	-0.01706
-0.10081	0.02939	-0.13266	0.00408	-0.12272	0.00793	-0.12223	0.00819	-0.06817
0.013693	0.76789	-0.03834	0.40842	-0.04017	0.38648	-0.0432	0.35158	0.047465
-0.12158	0.00853	-0.11479	0.01305	-0.14503	0.00168	-0.07082	0.12644	-0.09537
0.014187	0.75978	-0.07023	0.12965	-0.05456	0.23925	-0.07431	0.10877	-0.02199
-0.0288	0.53474	-0.01178	0.79958	-0.03665	0.42938	-0.00992	0.83077	0.133179
-0.09328	0.04392	-0.0685	0.13937	-0.07066	0.12731	-0.07732	0.09515	0.030764
0.034562	0.4562	-0.07408	0.10989	-0.03622	0.43488	-0.0893	0.05379	-0.14686
-0.09834	0.03362	-0.13832	0.00274	-0.14421	0.00178	-0.10375	0.02495	-0.04703
-0.01797	0.69857	0.032445	0.48427	-0.02325	0.61632	0.065803	0.15568	0.073858
-0.03519	0.44802	-0.05824	0.20902	-0.04258	0.35853	-0.07179	0.12135	-0.04621
0.002091	0.96406	-0.07482	0.10637	-0.07385	0.11096	-0.05342	0.24928	-0.02421
-0.19756	1.70E-05	-0.14652	0.0015	-0.16416	0.00037	-0.11349	0.01413	-0.09298
0.004778	0.91799	-0.14323	0.00192	-0.0573	0.21648	-0.1708	0.00021	-0.13885
0.006956	0.88082	-0.09719	0.03576	-0.0846	0.06776	-0.07798	0.09234	-0.12553
-0.0632	0.17273	-0.21109	4.20E-06	-0.13814	0.00278	-0.22393	1.02E-06	-0.34459
0.021275	0.64653	0.065035	0.16058	-0.00518	0.91102	0.104032	0.02456	0.144076
0.00068	0.98832	-0.04087	0.37823	-0.06568	0.15649	-0.01799	0.69815	0.053111
-0.06678	0.14964	-0.0517	0.26484	-0.10411	0.02445	0.002222	0.9618	0.023001
0.05273	0.25543	-0.1098	0.01761	-0.08156	0.07829	-0.09858	0.03318	-0.09372
-0.13383	0.00376	-0.14976	0.00117	-0.1264	0.00624	-0.13494	0.00348	-0.12972
0.01211	0.79409	0.008611	0.85276	-0.03216	0.48811	0.023463	0.61303	0.171216
0.082493	0.07492	0.038039	0.41214	0.136838	0.00305	-0.05454	0.23945	-0.00777
-0.16143	0.00046	-0.10676	0.02103	-0.1028	0.02632	-0.10151	0.02828	-0.12226
-0.03391	0.46469	-0.15031	0.00112	-0.07879	0.08899	-0.17269	0.00018	-0.13446
-0.03509	0.44937	-0.21804	1.97E-06	-0.11424	0.0135	-0.25232	3.24E-08	-0.31555
-0.06942	0.13416	-0.08986	0.0523	-0.08836	0.05638	-0.05775	0.2129	0.058412
-0.0356	0.44277	-0.15905	0.00056	-0.12359	0.0075	-0.14881	0.00126	-0.1767
0.135565	0.00333	0.090661	0.05023	0.206574	6.77E-06	-0.03537	0.44571	-0.06434
-0.00216	0.96295	0.01048	0.8213	-0.00358	0.93848	0.002242	0.96145	0.082639
0.121509	0.00858	0.136149	0.0032	0.125241	0.00673	0.101789	0.02784	0.265051

-0.09017	0.05149	-0.15071	0.00109	-0.14692	0.00145	-0.11847	0.0104	-0.14001
-0.05915	0.20196	-0.21022	4.61E-06	-0.13965	0.00249	-0.21337	3.28E-06	-0.25125
0.030838	0.50618	0.017299	0.70925	-0.00012	0.998	0.011921	0.79723	0.16713
0.003438	0.94093	0.025242	0.58637	-0.01781	0.70114	0.044508	0.3372	0.183666
0.02885	0.534	-0.15304	0.00091	-0.09155	0.04802	-0.16215	0.00043	-0.16067
-0.02691	0.56186	-0.15833	0.00059	-0.07406	0.10995	-0.1857	5.40E-05	-0.17497
0.088778	0.05522	-0.08553	0.06478	0.003375	0.94202	-0.13798	0.00281	-0.2239
0.140556	0.00233	0.063427	0.1712	0.016567	0.72103	0.088305	0.05653	0.142609
-0.0329	0.47816	-0.02249	0.62777	-0.04637	0.31734	-0.01093	0.81375	0.079147
-0.12838	0.00546	-0.10442	0.02403	-0.12898	0.00525	-0.07107	0.12511	-0.09296
0.007972	0.86358	-0.07859	0.08979	-0.03356	0.46943	-0.08826	0.05666	-0.07683
-0.01164	0.80194	-0.07735	0.09501	-0.08053	0.08215	-0.06219	0.17973	-0.11363
-0.14489	0.00169	-0.14368	0.00185	-0.15618	0.00071	-0.1098	0.01761	0.025288
-0.09008	0.05174	-0.05443	0.24044	-0.0927	0.04525	-0.02556	0.58172	-0.02146
-0.04207	0.36437	-0.03965	0.39259	-0.04303	0.35346	-0.0459	0.32231	-0.04082
-0.03036	0.51283	-0.03785	0.41453	-0.06872	0.1381	-0.02182	0.63814	-0.03291
-0.04565	0.32497	-0.17159	0.00019	-0.12559	0.00658	-0.16711	0.00029	-0.20441
0.011166	0.80981	0.084432	0.06831	0.036151	0.43575	0.102183	0.02724	0.207886
-0.04527	0.32896	-0.09374	0.04288	-0.08694	0.06048	-0.07947	0.08628	-0.08142
-0.11567	0.01237	-0.12837	0.00547	-0.13287	0.00402	-0.1072	0.0205	-0.13637
-0.0342	0.46094	-0.20483	8.12E-06	-0.13962	0.0025	-0.20378	9.05E-06	-0.27579
-0.00359	0.93824	-0.15481	0.00079	-0.1046	0.02379	-0.16375	0.00038	-0.20189
-0.18378	6.47E-05	-0.20983	4.80E-06	-0.19684	1.83E-05	-0.16635	0.00031	-0.18256
-0.11761	0.01097	-0.08398	0.06979	-0.10822	0.01933	-0.04883	0.29237	-0.02807
0.10727	0.02042	0.095311	0.03951	0.067065	0.14789	0.088534	0.05589	0.267808
-0.01875	0.68615	-0.02583	0.57768	-0.04339	0.34946	-0.01815	0.69565	0.056331
-0.13753	0.0029	-0.13168	0.00437	-0.16024	0.00051	-0.07717	0.09579	-0.06042
-0.06185	0.18212	-0.09471	0.04077	-0.11295	0.0146	-0.05485	0.23683	-0.12501
-0.10851	0.019	-0.1279	0.00564	-0.13008	0.00487	-0.08887	0.05497	-0.13185
-0.07191	0.1207	-0.10474	0.0236	-0.10856	0.01895	-0.07513	0.10489	-0.14402
0.073869	0.11089	-0.03926	0.39731	-0.01396	0.76343	-0.03829	0.40904	-0.02982
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-0.0401	0.3873	-0.15424	0.00082	-0.11863	0.01029	-0.15726	0.00065	-0.14059
-0.06959	0.13319	-0.11241	0.01508	-0.10049	0.02991	-0.10288	0.02621	-0.09422
0.002591	0.95547	0.025191	0.58713	-0.03279	0.47969	0.060289	0.19341	0.1351
-0.03535	0.44597	-0.03492	0.45151	-0.05265	0.25617	-0.01373	0.7673	-0.00546
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-0.07363	0.11205	-0.0428	0.35611	0.001331	0.97711	-0.05826	0.20886	-0.07425
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-0.01224	0.79191	0.01121	0.80909	0.046126	0.31991	-0.02389	0.60656	0.028591
-0.10044	0.02999	-0.1259	0.00645	-0.11617	0.012	-0.1128	0.01473	-0.0844
-0.13303	0.00398	-0.12176	0.00844	-0.14636	0.00152	-0.08414	0.06926	-0.03654
-0.13199	0.00427	-0.06318	0.17288	-0.08764	0.05843	-0.03886	0.40213	0.06028
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-0.21734	2.13E-06	-0.16046	0.0005	-0.2064	6.89E-06	-0.09322	0.04407	-0.08603
0.029368	0.52668	-0.07861	0.08974	-0.04182	0.36718	-0.07845	0.09039	-0.03479
-0.00175	0.96984	0.023267	0.616	-0.02071	0.65532	0.032762	0.48001	0.212663
0.028597	0.5376	0.070417	0.12863	0.02792	0.54727	0.066391	0.15201	0.235407
0.079609	0.08571	0.050751	0.27374	0.029571	0.52383	0.036801	0.42753	0.203437
-0.03183	0.49253	-0.1725	0.00018	-0.07959	0.08579	-0.20662	6.74E-06	-0.18451
0.003105	0.94664	-0.04801	0.30052	-0.05487	0.2366	-0.04539	0.32769	0.068576
-0.01834	0.69258	0.019621	0.67236	-0.04563	0.32518	0.064151	0.16635	0.176399
-0.0691	0.13596	-0.02743	0.55428	-0.05636	0.22409	-0.00999	0.8296	0.103031
0.07958	0.08582	-0.03052	0.51058	-0.00076	0.98691	-0.02511	0.5883	-0.06719
-0.03683	0.42711	-0.10404	0.02454	-0.11574	0.01232	-0.07611	0.10044	-0.0736
0.139858	0.00245	0.160472	0.0005	0.107096	0.02062	0.158296	0.0006	0.240759
-0.12882	0.0053	-0.06906	0.13618	-0.10655	0.02128	-0.0449	0.33296	0.042104
0.02511	0.58832	0.013109	0.77753	-0.0183	0.69321	0.030875	0.50567	0.092444
-0.05149	0.26677	0.000381	0.99344	-0.06577	0.15592	0.047128	0.30949	0.018095
-0.12233	0.00814	-0.21376	3.15E-06	-0.17976	9.38E-05	-0.1902	3.52E-05	-0.24386
-0.01013	0.8271	-0.08694	0.06049	-0.011	0.81259	-0.11185	0.01559	-0.10064
0.065478	0.15774	0.058653	0.2058	0.029419	0.52596	0.069958	0.13114	0.176387
0.117568	0.011	-0.07859	0.08981	-0.00947	0.83832	-0.11292	0.01463	-0.16979
-0.00998	0.82969	-0.16346	0.00039	-0.10627	0.02162	-0.15309	0.0009	-0.18946
0.043183	0.35179	0.062263	0.1792	0.032457	0.48411	0.074145	0.10956	0.127644
0.11745	0.01108	0.04687	0.31216	0.031913	0.49147	0.034814	0.45292	0.199797
0.046224	0.31888	-0.11742	0.01111	-0.06341	0.17134	-0.1198	0.00956	-0.102
-0.02825	0.54259	-0.06192	0.18159	-0.0526	0.25662	-0.0547	0.23811	-0.00847
-0.1585	0.00059	-0.13275	0.00406	-0.15695	0.00066	-0.09494	0.04028	-0.07612
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0.084663	0.06756	-0.08207	0.07644	0.031733	0.49392	-0.14309	0.00194	-0.17064
-0.06827	0.14074	-0.0628	0.17547	-0.06567	0.1565	-0.07013	0.1302	0.018073
-0.13284	0.00403	-0.18595	5.28E-05	-0.18773	4.46E-05	-0.1402	0.00239	-0.16285
-0.11825	0.01054	-0.16798	0.00027	-0.15616	0.00071	-0.1339	0.00374	-0.21815
-0.08354	0.0713	-0.04741	0.30658	-0.09464	0.04093	-0.00694	0.88113	-0.00425
0.056693	0.22138	0.138109	0.00278	0.041148	0.37497	0.167225	0.00028	0.242579
-0.09934	0.03184	-0.0908	0.04987	-0.11146	0.01596	-0.05759	0.21416	-0.11856
0.032131	0.48851	0.028264	0.54234	0.011247	0.80847	0.043851	0.34438	0.092346
0.071365	0.12355	-0.04037	0.38408	0.012134	0.79368	-0.06414	0.16642	0.010213
-0.01054	0.82034	-0.00234	0.95985	-0.02371	0.60935	0.001949	0.9665	0.029912
0.024739	0.59385	0.037171	0.4229	0.095608	0.03889	-0.01407	0.76173	-0.05167
0.001503	0.97416	-0.08601	0.06328	-0.09212	0.04663	-0.06482	0.16193	-0.05063
0.129112	0.0052	0.181078	8.31E-05	0.113906	0.01378	0.171447	0.0002	0.414599
0.002779	0.95224	-0.01996	0.66701	-0.04377	0.34523	-0.00938	0.83986	0.187207
-0.04184	0.36701	-0.18936	3.82E-05	-0.14806	0.00133	-0.16525	0.00034	-0.1644
0.081567	0.07826	0.043168	0.35195	0.032265	0.48671	0.049241	0.28828	0.220757
-0.17253	0.00018	-0.13087	0.00461	-0.14951	0.00119	-0.09204	0.04682	-0.06651
-0.00208	0.9643	0.147029	0.00144	-0.00237	0.95933	0.217708	2.04E-06	0.298125

-0.08737	0.05922	0.0462	0.31913	-0.05267	0.25601	0.094158	0.04197	0.189696
-0.1674	0.00028	-0.11665	0.01164	-0.14717	0.00143	-0.07376	0.1114	-0.0833
-0.2089	5.30E-06	-0.17136	0.0002	-0.19493	2.22E-05	-0.12027	0.00928	-0.0824
-0.00421	0.92776	0.042549	0.35891	-0.02196	0.636	0.062245	0.17933	0.219639
0.065266	0.15909	-0.04594	0.32191	0.001473	0.97467	-0.08013	0.08367	-0.04325
-0.03696	0.42559	0.025068	0.58896	-0.04398	0.34298	0.057917	0.21156	0.170584
-0.02465	0.59512	-0.04412	0.34147	-0.06255	0.17722	-0.03686	0.42682	-0.0532
0.062047	0.18072	0.006031	0.89657	-0.02305	0.6193	0.015954	0.73095	0.012316
-0.09404	0.04223	-0.18968	3.70E-05	-0.19781	1.66E-05	-0.13572	0.0033	-0.15053
-0.08622	0.06263	-0.10195	0.0276	-0.12308	0.00775	-0.07892	0.08846	0.018456
-0.0831	0.07281	-0.145	0.00168	-0.11315	0.01442	-0.13318	0.00394	-0.19741
0.008033	0.86255	-0.05577	0.22902	-0.04574	0.32396	-0.05429	0.24166	-0.04981
-0.03234	0.48563	-0.01703	0.71358	-0.06825	0.14086	0.016592	0.72062	0.151705
0.093147	0.04423	-0.10498	0.02328	-0.04193	0.36599	-0.12013	0.00936	-0.15928
-0.02253	0.62724	-0.0467	0.31391	-0.07308	0.11474	-0.01849	0.69025	0.07109
-0.06405	0.16702	-0.02161	0.64138	-0.07285	0.11592	0.017636	0.70385	0.140587
0.076964	0.09667	-0.06905	0.13622	-0.00947	0.83823	-0.08956	0.0531	-0.17877
0.081972	0.07678	0.064264	0.1656	0.024024	0.60457	0.089284	0.05384	0.148264
0.077196	0.09567	-0.07174	0.12161	-0.00987	0.8316	-0.09893	0.03256	0.008934
0.090818	0.04983	0.069409	0.1342	0.045316	0.32848	0.054883	0.23652	0.262429
-0.05882	0.2045	-0.03245	0.48422	-0.09036	0.051	0.007285	0.87524	0.051296
-0.06309	0.17351	-0.11494	0.01294	-0.10119	0.02878	-0.09957	0.03144	-0.07725
-0.11249	0.01501	-0.1077	0.01991	-0.1153	0.01265	-0.09346	0.04352	0.006021
-0.07411	0.10971	-0.08081	0.08106	-0.07321	0.11412	-0.08676	0.06101	0.025308
-0.09662	0.03686	-0.13207	0.00425	-0.12953	0.00506	-0.10797	0.01961	-0.08808
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0.079903	0.08455	-0.03173	0.49393	-0.02556	0.5816	-0.0329	0.47812	0.031774
-0.02873	0.53571	-0.13714	0.00298	-0.09068	0.05018	-0.12951	0.00506	-0.16859
-0.00938	0.83982	-0.13842	0.00272	-0.10757	0.02007	-0.1115	0.01592	-0.21012
0.017765	0.70179	-0.13072	0.00466	-0.07873	0.08925	-0.13066	0.00468	-0.17886
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-0.03578	0.44052	-0.14473	0.00171	-0.12343	0.00758	-0.1211	0.0088	-0.15349
0.009109	0.84435	0.005125	0.91205	-0.02569	0.57969	0.028559	0.53813	0.107149
-0.03469	0.45454	-0.03926	0.39734	-0.06009	0.19492	-0.02566	0.58014	0.055834
-0.01462	0.75268	-0.14314	0.00193	-0.08153	0.07841	-0.15095	0.00107	-0.18424
-0.0926	0.0455	-0.17165	0.00019	-0.1717	0.00019	-0.12569	0.00653	-0.1351
-0.01148	0.80451	-0.05158	0.266	-0.05288	0.25405	-0.04631	0.31801	0.00946
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-0.0431	0.35277	-0.01449	0.75483	-0.05658	0.22234	0.007366	0.87387	0.156271
0.06043	0.19237	-0.03261	0.48207	-0.01387	0.76505	-0.04399	0.3429	0.02665
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0.014426	0.75586	0.067228	0.1469	-0.00734	0.87428	0.096786	0.03654	0.17107
-0.0992	0.03208	-0.1609	0.00048	-0.12978	0.00497	-0.16821	0.00026	-0.12858
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-0.01145	0.805	0.053062	0.25245	-0.01557	0.73726	0.07721	0.09561	0.177055
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0.115355	0.01261	-0.0163	0.72529	-0.00337	0.94213	-0.02842	0.54014	0.044146
-0.12645	0.00621	0.002196	0.96225	-0.08047	0.08238	0.046866	0.3122	0.085369
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-0.07565	0.10252	-0.03889	0.40173	-0.07457	0.10755	-0.02326	0.61611	-0.065
-0.09599	0.03812	-0.08424	0.06896	-0.09743	0.03531	-0.07096	0.12569	-0.00062
-0.10988	0.01753	-0.08829	0.05658	-0.10735	0.02032	-0.04806	0.29997	-0.00599
0.057351	0.21606	0.077982	0.09233	0.037086	0.42397	0.092575	0.04556	0.201004
-0.17208	0.00019	-0.2296	5.29E-07	-0.19927	1.44E-05	-0.19208	2.93E-05	-0.25946
-0.02444	0.59831	-0.03812	0.4112	-0.05222	0.26011	-0.02692	0.56168	-0.0553
-0.0226	0.62612	-0.03359	0.46896	-0.06891	0.13703	-0.00219	0.96234	0.030407
0.009888	0.83124	-0.16787	0.00027	-0.09815	0.03397	-0.17897	0.0001	-0.24753
0.031725	0.49403	-0.11619	0.01198	-0.05381	0.24585	-0.14175	0.00214	-0.1015
-0.18481	5.87E-05	-0.19714	1.78E-05	-0.16428	0.00036	-0.17985	9.30E-05	-0.24129
-0.00034	0.99416	-0.07335	0.11342	-0.0662	0.15318	-0.0377	0.41633	-0.10516
0.063673	0.16953	-0.02465	0.59524	0.003593	0.93828	-0.03756	0.41811	-0.03991
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0.028137	0.54416	-0.08476	0.06725	-0.05998	0.19569	-0.07751	0.09434	-0.06552
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0.064047	0.16704	-0.09316	0.04421	-0.02809	0.54478	-0.11889	0.01013	-0.11945
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0.085039	0.06634	-0.10124	0.02871	-0.03341	0.47132	-0.13371	0.0038	-0.19839
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0.042983	0.35402	-0.03571	0.44135	-0.03533	0.44624	-0.03636	0.43311	-0.01215
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0.017115	0.7122	0.015882	0.73212	0.004442	0.92372	0.014034	0.76229	0.041361
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0.104267	0.02424	-0.08319	0.07248	0.003382	0.9419	-0.12531	0.0067	-0.16049
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0.040343	0.38438	-0.0054	0.90738	-0.03534	0.4461	0.031112	0.50241	0.080282
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0.080997	0.08037	0.057893	0.21175	0.027063	0.55964	0.050575	0.2754	0.182096
-0.0375	0.4188	-0.04509	0.33093	-0.09107	0.04919	0.002076	0.96432	0.031256
-0.17911	9.96E-05	-0.12107	0.00882	-0.16038	0.0005	-0.06189	0.18185	-0.09421
0.027351	0.55547	0.008222	0.85935	-0.01194	0.79686	0.020033	0.66589	0.183511
0.130032	0.00489	0.06196	0.18133	0.060391	0.19266	0.051619	0.2656	0.157998
-0.07899	0.08818	-0.12936	0.00511	-0.12064	0.00906	-0.11571	0.01234	-0.17791
0.015476	0.73871	0.049897	0.2819	-0.0044	0.92448	0.062105	0.18031	0.254097
0.082757	0.07399	0.021546	0.64234	0.02354	0.61187	0.009881	0.83136	0.079228
-0.0342	0.46098	-0.11333	0.01427	-0.10989	0.01753	-0.08544	0.06505	-0.03101
-0.09068	0.05019	-0.04197	0.36547	-0.07214	0.11951	-0.03289	0.47825	0.075479
0.02111	0.6491	-0.01379	0.76636	-0.00773	0.86764	-0.03422	0.46074	0.133538
-0.0113	0.80758	-0.02009	0.66507	-0.03455	0.4564	-0.02378	0.60821	0.115371
0.063845	0.16838	-0.18121	8.21E-05	-0.03913	0.39887	-0.23685	2.24E-07	-0.32365
-0.16272	0.00041	-0.19655	1.89E-05	-0.17816	0.00011	-0.17371	0.00016	-0.1825
-0.0382	0.41012	-0.06879	0.13774	-0.06789	0.14298	-0.04842	0.29637	-0.00057
-0.04357	0.34752	-0.02225	0.63145	-0.05506	0.235	-0.00679	0.88374	0.047625
0.030089	0.51657	-0.1112	0.01621	-0.01984	0.66898	-0.1591	0.00056	-0.22836
-0.06952	0.1336	-0.15927	0.00055	-0.13835	0.00273	-0.1427	0.00199	-0.13841
-0.02636	0.56992	-0.10934	0.0181	-0.05501	0.23541	-0.10916	0.01829	-0.06885
-0.0765	0.09871	-0.17819	0.00011	-0.14365	0.00186	-0.15986	0.00053	-0.17703
-0.13557	0.00333	-0.1072	0.0205	-0.14771	0.00137	-0.0627	0.17619	-0.00343
-0.10702	0.02071	-0.16152	0.00046	-0.16478	0.00035	-0.13418	0.00367	-0.12229
0.092979	0.04462	0.155695	0.00073	0.121483	0.00859	0.116917	0.01146	0.33385
-0.17785	0.00011	-0.22552	8.48E-07	-0.22053	1.49E-06	-0.18315	6.86E-05	-0.20215
-0.18596	5.27E-05	-0.17006	0.00022	-0.19138	3.14E-05	-0.12039	0.00921	-0.10454
-0.17331	0.00017	-0.20474	8.20E-06	-0.18712	4.72E-05	-0.16606	0.00031	-0.31776
-0.07831	0.09096	-0.07674	0.09766	-0.12242	0.00809	-0.01856	0.68915	-0.09848
-0.0476	0.30464	-0.12722	0.0059	-0.11513	0.01279	-0.11669	0.01162	-0.14782
-0.11355	0.01408	-0.15355	0.00087	-0.12833	0.00548	-0.15883	0.00057	-0.19876
0.025928	0.57622	-0.06777	0.14369	-0.04101	0.37659	-0.06466	0.16299	-0.03235
-0.01034	0.8236	0.068575	0.13896	0.005656	0.90297	0.079094	0.08776	0.13454
-0.11354	0.01409	-0.00264	0.95457	-0.04013	0.38686	0.021087	0.64945	0.0822
-0.05917	0.20186	-0.08172	0.07771	-0.09673	0.03664	-0.05836	0.20809	-0.03249

0.013254	0.77514	-0.10401	0.02459	-0.06915	0.13568	-0.10357	0.02521	-0.13215
0.145183	0.00166	0.101592	0.02815	0.048208	0.29852	0.104905	0.02338	0.217663
-0.06432	0.16525	-0.18236	7.39E-05	-0.12784	0.00567	-0.18531	5.61E-05	-0.24411
-0.06969	0.13265	0.033003	0.47679	-0.02371	0.60935	0.06466	0.163	0.197493
-0.12565	0.00655	-0.19181	3.01E-05	-0.16456	0.00036	-0.16889	0.00025	-0.18912
0.185841	5.33E-05	-0.00217	0.96267	0.064287	0.16545	-0.05563	0.23022	-0.10647
-0.12612	0.00635	-0.07885	0.08876	-0.11234	0.01514	-0.05968	0.19793	0.032174
0.087145	0.05987	-0.05126	0.26898	0.017868	0.70014	-0.07496	0.10571	-0.13365
0.050573	0.27542	0.047157	0.3092	0.031256	0.50043	0.042703	0.35717	0.166847
-0.0859	0.06362	-0.04771	0.30355	-0.08357	0.07119	-0.01499	0.74658	0.077315
0.096495	0.03711	-0.10176	0.02788	-0.00079	0.98641	-0.15092	0.00107	-0.15654
0.051712	0.26474	0.022588	0.62634	0.021853	0.63761	0.00814	0.86074	0.115661
-0.13814	0.00278	-0.09746	0.03526	-0.14398	0.00181	-0.03517	0.44834	-0.05441
-0.00668	0.88547	0.0071	0.87838	-0.00151	0.97405	-0.00826	0.85869	0.126507
-0.01378	0.76638	-0.13646	0.00313	-0.10677	0.02101	-0.13853	0.0027	-0.15064
-0.05604	0.22678	-0.05264	0.25629	-0.06831	0.14047	-0.03293	0.47772	0.052165
-0.08949	0.05329	-0.17039	0.00022	-0.05046	0.27653	-0.20841	5.58E-06	-0.34942
-0.03464	0.45513	0.020168	0.66377	-0.05271	0.25562	0.04305	0.35327	0.141028
0.010737	0.81699	-0.09319	0.04412	-0.05803	0.21069	-0.10672	0.02107	-0.19056
-0.1051	0.02312	-0.23752	2.06E-07	-0.21022	4.61E-06	-0.19334	2.59E-05	-0.30498
-0.05948	0.19949	-0.15133	0.00104	-0.12314	0.00772	-0.14213	0.00208	-0.11387
0.011486	0.80448	-0.0023	0.96047	-0.03105	0.50325	0.019486	0.67449	0.084385
0.052739	0.25535	-0.02616	0.57276	0.058702	0.20542	-0.09262	0.04545	-0.10949
-0.10015	0.03047	-0.16369	0.00038	-0.17338	0.00017	-0.11511	0.0128	-0.2392
-0.02023	0.66278	-0.15259	0.00094	-0.10696	0.02078	-0.15988	0.00052	-0.1484
-0.01133	0.80711	-0.11589	0.01221	-0.08386	0.0702	-0.11975	0.00959	-0.16788
0.079834	0.08483	-0.0526	0.25657	-0.02266	0.62523	-0.06901	0.13647	-0.08159
-0.06894	0.13683	-0.08476	0.06724	-0.07713	0.09596	-0.07803	0.09213	-0.12989
-0.16263	0.00042	-0.10933	0.0181	-0.1435	0.00188	-0.07369	0.11174	-0.00598
0.049837	0.28248	-0.0255	0.58252	-0.0239	0.60646	-0.01465	0.75214	-0.01874
-0.01033	0.82374	0.065185	0.15961	0.009049	0.84536	0.080827	0.08101	0.245025
0.063845	0.16838	-0.08195	0.07685	-0.00019	0.9967	-0.13214	0.00423	-0.07711
-0.07572	0.10222	-0.11982	0.00955	-0.11968	0.00964	-0.09394	0.04244	-0.06794
-0.00183	0.96853	0.036382	0.43282	-0.01498	0.74676	0.072855	0.11589	0.228874
0.066756	0.14977	-0.13276	0.00405	-0.02795	0.54684	-0.17832	0.00011	-0.1774
-0.00979	0.83288	-0.02997	0.51823	-0.06732	0.14636	0.000934	0.98395	0.026453
0.022832	0.62262	-0.03081	0.50659	-0.03584	0.43969	-0.03219	0.48777	-0.03547
-0.07559	0.1028	-0.13176	0.00434	-0.12216	0.00823	-0.09158	0.04793	-0.13973
-0.03089	0.50551	-0.08212	0.07626	-0.0667	0.1501	-0.09192	0.04712	0.014734
0.045625	0.3252	-0.01644	0.723	0.000528	0.99092	-0.03614	0.43584	0.07372
0.081993	0.07671	-0.05239	0.25848	0.033441	0.47095	-0.11579	0.01228	-0.10807
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0.00867	0.85177	-0.04005	0.38785	-0.02693	0.56152	-0.04205	0.36461	0.113101
-0.02567	0.58003	-0.11333	0.01427	-0.09492	0.04034	-0.09892	0.03259	-0.11749
-0.01728	0.70958	-0.04548	0.32675	-0.05945	0.19968	-0.02843	0.53997	-0.00903

0.057152	0.21766	-0.03563	0.44236	7.75E-06	0.99987	-0.06131	0.18595	-0.04282
0.004686	0.91956	-9.17E-05	0.99842	-0.05582	0.2286	0.04243	0.36026	0.145685
-0.07746	0.09455	-0.24238	1.14E-07	-0.17813	0.00011	-0.21609	2.44E-06	-0.37917
0.007454	0.87237	-0.07871	0.08932	-0.06204	0.1808	-0.07157	0.12247	-0.04753
0.074545	0.10765	0.098602	0.03315	0.04802	0.30042	0.099843	0.03099	0.242825
0.044138	0.34123	0.133855	0.00376	0.100557	0.0298	0.118399	0.01044	0.284268
0.043461	0.3487	0.173309	0.00017	0.080427	0.08253	0.211093	4.19E-06	0.319717
-0.00395	0.93211	0.024616	0.59569	0.025085	0.5887	0.02516	0.58758	0.084399
0.011227	0.80879	-0.02594	0.57608	0.032403	0.48485	-0.06541	0.15816	-0.06414
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-0.04075	0.37956	0.038121	0.41114	0.014757	0.75044	0.027094	0.55919	0.145674
0.024894	0.59154	-0.05056	0.27557	0.035581	0.44303	-0.0886	0.05571	-0.16595
-0.01967	0.67163	0.040338	0.38445	0.017365	0.70819	0.06045	0.19223	0.09721
-0.02615	0.57297	-0.06268	0.1763	-0.00106	0.98184	-0.077	0.09651	-0.12709
-0.00504	0.91348	0.066206	0.15316	0.034629	0.45532	0.06285	0.17513	0.180736
-0.03053	0.51046	0.008937	0.84726	-0.03033	0.5132	0.034697	0.45445	0.084615
0.036067	0.43681	0.18304	6.93E-05	0.098595	0.03316	0.195876	2.02E-05	0.313229
-0.05034	0.2776	0.023642	0.61033	0.004216	0.9276	0.024728	0.59401	0.092528
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-0.00352	0.93952	0.052065	0.26148	0.023637	0.6104	0.077539	0.0942	0.154951
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-0.02212	0.63351	0.008909	0.84774	0.029538	0.52429	-0.00037	0.99372	0.069081
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0.001912	0.96712	-0.04143	0.3717	0.015777	0.73381	-0.07816	0.0916	-0.07052
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0.001721	0.97042	0.077278	0.09531	0.054778	0.23742	0.074812	0.10639	0.15468
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-0.00194	0.96673	0.063296	0.17208	0.060202	0.19406	0.039971	0.38879	0.148103
-0.04554	0.32612	0.044378	0.33861	0.012589	0.78614	0.051705	0.26481	0.116867
-0.04924	0.28825	0.050545	0.27569	0.002112	0.9637	0.066089	0.15389	0.239118
-0.031	0.504	0.049763	0.2832	0.00918	0.84316	0.066163	0.15343	0.178077
0.016037	0.7296	0.066564	0.15094	0.016698	0.71891	0.091859	0.04726	0.131728
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0.008111	0.86122	0.09824	0.0338	0.070369	0.12889	0.088907	0.05486	0.222496
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-0.02935	0.527	0.045946	0.3218	0.002556	0.95607	0.065879	0.15521	0.111806
0.01703	0.71357	0.077795	0.09311	0.085808	0.06391	0.045251	0.32919	0.085609
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0.052273	0.25959	0.113643	0.014	0.086392	0.06212	0.110763	0.01664	0.174153
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0.013001	0.77932	0.000912	0.98431	0.041216	0.37417	-0.02406	0.604	0.014305
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0.018745	0.68619	0.043992	0.34283	0.042537	0.35905	0.024086	0.60363	0.109883
0.007702	0.86816	0.087016	0.06025	0.050672	0.27448	0.08819	0.05686	0.137156
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-0.01324	0.77531	0.036876	0.4266	0.012854	0.78175	0.037858	0.41437	0.158835
0.00921	0.84266	0.048027	0.30034	0.042444	0.3601	0.039773	0.39115	0.112034
0.012306	0.79082	-0.01188	0.79794	0.051008	0.2713	-0.04426	0.33986	-0.0622
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-0.0328	0.47948	0.07476	0.10663	0.045227	0.32944	0.074908	0.10594	0.227952
-0.01385	0.76536	0.073177	0.11428	0.022442	0.62857	0.083686	0.07079	0.252876
-0.02358	0.61129	-0.01753	0.70549	-0.00983	0.83225	-0.0217	0.64002	0.048458
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0.010521	0.82062	0.033392	0.4716	0.052756	0.2552	0.006096	0.89547	0.129122
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0.067539	0.14504	0.010607	0.81918	0.008491	0.8548	0.006056	0.89616	-0.02513
0.011746	0.80015	0.116875	0.01148	0.061634	0.18364	0.119235	0.00991	0.119368
0.067097	0.14769	0.091975	0.04698	0.063717	0.16924	0.072519	0.11758	0.027269
-0.05156	0.26614	0.001669	0.9713	0.006074	0.89584	-0.01954	0.67366	-0.06785
0.286494	2.84E-10	0.190778	3.33E-05	0.208742	5.39E-06	0.113536	0.01409	0.064102
-0.02573	0.57922	0.005662	0.90287	-0.02712	0.55888	0.015363	0.74055	0.010727
-0.04493	0.33262	-0.00254	0.95638	-0.05713	0.21787	0.020825	0.65352	-0.0177
0.026445	0.56864	0.102881	0.0262	0.076829	0.09726	0.077171	0.09578	0.068176
0.004483	0.92303	-0.03263	0.48177	0.006439	0.88963	-0.06923	0.13522	-0.15125
-0.02807	0.54507	0.004293	0.92628	0.016645	0.71977	-0.02365	0.61025	-0.10561
0.156269	0.0007	0.136306	0.00316	0.221584	1.33E-06	-0.00339	0.94169	0.006229

0.31057	6.70E-12	0.377998	2.61E-17	0.375778	4.13E-17	0.24663	6.70E-08	0.172816
-0.04755	0.30521	-0.0794	0.08655	-0.04651	0.31588	-0.08635	0.06226	-0.18287
0.057681	0.21343	-0.00886	0.84862	0.050781	0.27345	-0.04646	0.31644	-0.07204
-0.01259	0.78616	-0.08494	0.06666	-0.0542	0.24236	-0.0974	0.03537	-0.17687
0.066139	0.15358	0.024149	0.60269	0.082029	0.07658	-0.0199	0.66803	-0.05424
0.280737	6.61E-10	0.159941	0.00052	0.24683	6.53E-08	0.030355	0.51287	0.02351
-0.02699	0.56071	0.110033	0.01737	0.058406	0.20772	0.096385	0.03733	0.103594
-0.00217	0.9627	0.05512	0.23449	0.017611	0.70424	0.069968	0.13109	0.02508
0.252339	3.24E-08	0.187646	4.49E-05	0.250817	3.94E-08	0.056498	0.22298	0.084876
0.145345	0.00164	0.083011	0.07311	0.129476	0.00507	0.033475	0.4705	-0.03884
0.06091	0.18885	0.129832	0.00495	0.118233	0.01055	0.081896	0.07706	0.046666
-0.0223	0.63069	0.00572	0.90188	0.03655	0.4307	-0.02868	0.53636	-0.04966
-0.06347	0.17093	-0.05341	0.24932	-0.02958	0.52376	-0.07608	0.10057	-0.16337
-0.04727	0.30803	-0.04259	0.35841	-0.03795	0.41329	-0.05213	0.26089	-0.126
-0.04639	0.31711	-0.06053	0.19161	-0.05961	0.19849	-0.06204	0.18078	-0.14938
0.026229	0.57181	0.002943	0.94943	0.019162	0.67959	-0.022	0.63535	-0.07038
0.044722	0.33487	0.019801	0.66952	0.024203	0.60187	-0.00563	0.90338	-0.04335
0.116347	0.01187	0.118518	0.01037	0.077281	0.0953	0.108554	0.01895	0.122157
0.120097	0.00938	0.123848	0.00737	0.120378	0.00922	0.082963	0.07327	0.096627
-0.07765	0.09375	-0.11213	0.01534	-0.06851	0.13933	-0.12398	0.00731	-0.23428
0.04024	0.3856	0.020321	0.66139	0.047342	0.3073	0.003849	0.93389	-0.02961
-0.01681	0.71711	0.012714	0.78407	0.043115	0.35255	-0.02923	0.52857	-0.10151
0.023482	0.61274	-0.04047	0.38284	-0.01823	0.69438	-0.03738	0.42031	-0.08043
-0.06261	0.17682	0.006761	0.88414	-0.03027	0.51406	0.016919	0.71536	-0.01803
-0.00012	0.99792	-0.02718	0.55798	0.036538	0.43085	-0.05241	0.2583	-0.11587
-0.01447	0.75511	0.029398	0.52626	0.003736	0.93582	0.045245	0.32925	0.047122
-0.04711	0.3097	0.037771	0.41546	-0.01167	0.80135	0.052267	0.25964	0.00576
0.008726	0.85083	0.025092	0.5886	0.050945	0.2719	-0.01592	0.73145	-0.00292
0.163508	0.00039	0.081607	0.07811	0.104425	0.02402	0.048959	0.29106	-0.03598
-0.10116	0.02883	-0.04416	0.34104	-0.05119	0.26962	-0.04056	0.3818	-0.09732
0.025589	0.58122	0.076655	0.09802	0.054241	0.24205	0.069007	0.13648	-0.00276
-0.0707	0.12708	-0.01486	0.74878	-0.03217	0.48794	-0.01158	0.80287	-0.04027
-0.03507	0.44961	0.062741	0.17588	0.024747	0.59374	0.061685	0.18328	-0.00411
-0.00717	0.87726	0.057193	0.21734	0.023563	0.61151	0.064257	0.16565	0.013305
-0.08614	0.06288	-0.00088	0.98494	-0.06026	0.19365	0.040727	0.37988	-0.04014
-0.02893	0.53283	-0.0473	0.30776	-0.02541	0.58386	-0.07396	0.11043	-0.18158
0.002119	0.96357	0.001351	0.97678	-0.01265	0.78505	-0.00177	0.96949	-0.03113
0.012414	0.78903	-0.00451	0.92265	0.009968	0.8299	-0.03431	0.45944	-0.05774
0.023053	0.61924	0.052504	0.25748	0.038623	0.405	0.02655	0.56712	-0.0009
-0.00853	0.85405	0.030595	0.50955	0.008885	0.84813	0.018714	0.68667	-0.01623
0.109199	0.01825	0.048299	0.29762	0.069691	0.13263	-0.01555	0.73751	-0.03212
0.021296	0.64622	0.057732	0.21303	0.068154	0.1414	0.006953	0.88089	0.063907
0.346956	1.17E-14	0.291216	1.40E-10	0.311158	6.09E-12	0.184734	5.92E-05	0.139827
0.073166	0.11433	0.067329	0.14629	0.057409	0.2156	0.046482	0.31618	0.019701
0.092715	0.04523	0.140451	0.00235	0.115531	0.01248	0.095055	0.04004	0.068452

-0.0128	0.78261	-0.00718	0.87698	-0.00636	0.89092	-0.0137	0.76773	0.006113
-0.10366	0.02508	-0.05391	0.24492	-0.06239	0.17831	-0.0381	0.41134	-0.08502
0.05774	0.21296	0.009515	0.83751	0.048184	0.29877	-0.03372	0.46722	-0.06175
-0.00684	0.88279	-0.08456	0.06789	-0.02641	0.56915	-0.12387	0.00736	-0.23572
0.12804	0.00559	0.130634	0.00469	0.116697	0.01161	0.093941	0.04245	0.072613
0.276445	1.23E-09	0.204457	8.44E-06	0.266237	5.10E-09	0.086298	0.06241	0.070981
-0.10716	0.02054	-0.11198	0.01547	-0.08545	0.06504	-0.09555	0.03902	-0.18602
0.001906	0.96724	0.034261	0.46013	0.00803	0.86259	0.040529	0.3822	-0.00352
0.039926	0.38932	0.063532	0.17049	0.035348	0.44602	0.04092	0.37762	0.092532
0.032103	0.48889	0.004829	0.91711	0.031844	0.49241	-0.04193	0.36593	-0.05258
0.002186	0.96242	0.080364	0.08277	0.046878	0.31207	0.069033	0.13633	0.066093
0.002308	0.96032	0.010024	0.82895	0.014889	0.74828	-0.00267	0.95403	-0.04183
-0.0701	0.13035	-0.08084	0.08096	-0.04162	0.36955	-0.1016	0.02813	-0.17763
0.045295	0.32871	-0.02744	0.5542	-0.01313	0.77725	-0.04929	0.2878	-0.07478
-0.00182	0.96878	0.003347	0.94249	-0.01476	0.7504	-0.00333	0.94276	-0.02227
0.100181	0.03042	0.140059	0.00242	0.104855	0.02344	0.122362	0.00812	0.148507
-0.02133	0.64574	0.021528	0.64263	-0.00455	0.92191	0.036226	0.4348	-0.00466
0.230682	4.66E-07	0.197954	1.64E-05	0.274733	1.56E-09	0.064925	0.16129	0.164026
-0.07969	0.08541	-0.08066	0.08164	-0.07519	0.10464	-0.08757	0.05862	-0.16928
-0.10415	0.0244	-0.17799	0.00011	-0.13863	0.00268	-0.16268	0.00042	-0.38829
-0.0948	0.04058	-0.13992	0.00244	-0.12062	0.00908	-0.12698	0.006	-0.27794
0.02752	0.55303	-0.04757	0.30498	-0.0365	0.43134	-0.05224	0.25992	-0.11809
-0.00196	0.96631	0.051278	0.26878	0.041119	0.3753	0.025531	0.58208	0.010802
-0.02247	0.62816	-0.02727	0.55669	-0.00069	0.98821	-0.05951	0.19925	-0.12815
0.067396	0.1459	0.016445	0.723	0.052796	0.25484	-0.01969	0.67129	-0.07472
0.080652	0.08167	0.084661	0.06756	0.09285	0.04491	0.043068	0.35307	0.017547
0.062347	0.17861	-0.0109	0.81434	0.031923	0.49134	-0.0536	0.24769	-0.1137
-0.0227	0.62469	-0.10996	0.01745	-0.02813	0.54425	-0.15502	0.00078	-0.32165
0.20228	1.06E-05	0.170868	0.00021	0.183227	6.81E-05	0.107306	0.02037	0.093732
0.005151	0.91161	0.017938	0.69903	-0.00098	0.98313	0.01255	0.78678	-0.05077
-0.06145	0.18499	-0.07521	0.10454	-0.0734	0.11317	-0.06299	0.17415	-0.16071
0.048555	0.29505	0.034639	0.45521	0.044435	0.33798	0.005577	0.90432	-0.00335
-0.00252	0.95663	-0.00782	0.86619	0.010118	0.82738	-0.03909	0.39936	-0.10742
0.012419	0.78896	0.075067	0.1052	0.062713	0.17608	0.051086	0.27057	-0.00027
0.078197	0.09143	0.175031	0.00014	0.160791	0.00049	0.116893	0.01147	0.061079
0.028972	0.53227	0.100522	0.02986	0.041782	0.36765	0.09402	0.04227	0.037248
0.014381	0.75659	0.010818	0.81564	0.01434	0.75727	-0.01142	0.80554	-0.02227
0.0244	0.59893	-0.02739	0.55491	0.009977	0.82975	-0.06629	0.15264	-0.12889
0.134849	0.0035	0.145347	0.00164	0.153821	0.00085	0.080476	0.08234	0.075054
0.036724	0.4285	-0.00569	0.90242	0.038694	0.40414	-0.04545	0.3271	-0.10353
-0.00584	0.89986	-0.00628	0.89235	0.050997	0.27141	-0.05498	0.23567	-0.07826
-0.03792	0.41361	-0.01901	0.68197	-0.01046	0.82156	-0.01883	0.68487	-0.09514
0.006117	0.89511	0.063287	0.17214	0.001076	0.9815	0.083072	0.07289	0.079197
-0.10102	0.02905	-0.02635	0.5701	-0.02654	0.56722	-0.01902	0.68176	-0.13442
0.012397	0.78933	-0.00207	0.96436	0.033726	0.46718	-0.04242	0.36038	-0.11542

0.011957	0.79663	-0.05599	0.22717	0.010584	0.81956	-0.08671	0.06115	-0.15135
0.014967	0.74701	-0.00481	0.91749	0.014451	0.75545	-0.03143	0.49801	-0.04118
0.008477	0.85504	0.024947	0.59075	0.039919	0.38941	-0.01493	0.74759	-0.02625
-0.13063	0.00469	-0.04621	0.31907	-0.08356	0.07123	-0.01259	0.78615	-0.11544
0.02772	0.55015	-0.0067	0.88525	0.015839	0.73282	-0.0225	0.62762	-0.11743
0.00151	0.97404	0.002111	0.96371	-0.01365	0.76854	-0.00409	0.92969	-0.06547
0.023038	0.61947	-0.00205	0.96484	0.027497	0.55336	-0.04476	0.33446	-0.10044
-0.00692	0.88137	0.060432	0.19235	0.021987	0.63554	0.062281	0.17908	0.035254
-0.01204	0.79526	0.023722	0.60911	-0.00268	0.95399	0.020936	0.65179	-0.0162
0.019607	0.67258	0.020719	0.65517	0.011559	0.80327	0.003282	0.9436	-0.04722
-0.0309	0.5053	-0.04559	0.32553	-0.01048	0.82135	-0.08309	0.07282	-0.16574
-0.04791	0.30149	-0.05539	0.23223	-0.05721	0.21716	-0.05058	0.27535	-0.07645
-0.02501	0.58988	-0.00203	0.96504	-0.02403	0.60446	0.001708	0.97063	0.016868
-0.02994	0.51871	-0.02656	0.56697	-0.02242	0.62898	-0.03519	0.44812	-0.08018
-0.04403	0.34241	-0.04289	0.35504	-0.02872	0.53589	-0.05999	0.19565	-0.1445
-0.03403	0.4632	-0.03475	0.45379	-0.03466	0.45494	-0.04037	0.38405	-0.08911
0.047276	0.30798	0.05143	0.26736	0.047914	0.30148	0.029841	0.52004	0.004055
-0.00732	0.87456	-0.05084	0.2729	-0.00935	0.84024	-0.08319	0.07247	-0.18092
0.031503	0.49706	0.001744	0.97002	0.004017	0.93101	-0.00732	0.87468	-0.08619
-0.04747	0.30605	-0.03421	0.46079	-0.03995	0.38905	-0.04574	0.32403	-0.0959
-0.05305	0.25259	-0.08014	0.08362	-0.05358	0.24782	-0.10053	0.02985	-0.19435
-0.05538	0.2323	-0.06164	0.18361	-0.03615	0.43581	-0.08745	0.05896	-0.15086
0.018626	0.68808	-0.08184	0.07726	-0.02986	0.51981	-0.09603	0.03803	-0.19995
0.00641	0.89012	0.025252	0.58622	0.011046	0.81182	0.028469	0.53942	-0.06886
0.224771	9.24E-07	0.250212	4.25E-08	0.197838	1.66E-05	0.225183	8.81E-07	0.113872
0.141477	0.00218	0.111825	0.01562	0.132292	0.00419	0.061207	0.18671	0.032729
0.060199	0.19408	0.020477	0.65895	0.038233	0.40977	0.008564	0.85357	-0.03701
0.069861	0.13168	0.180347	8.89E-05	0.133613	0.00382	0.143065	0.00194	0.234518
0.027324	0.55585	0.053773	0.24614	0.060222	0.19391	0.024944	0.5908	0.062117
0.284924	3.58E-10	0.170996	0.00021	0.245982	7.27E-08	0.064281	0.16549	0.010094
0.040224	0.3858	-0.03699	0.42513	0.032004	0.49024	-0.10124	0.0287	-0.17833
0.081404	0.07886	-0.02313	0.61809	0.008408	0.8562	-0.05668	0.22147	-0.10541
0.213807	3.13E-06	0.116431	0.01181	0.160496	0.0005	0.06046	0.19215	0.08878
-0.00908	0.84487	-0.01844	0.69101	-0.00882	0.84923	-0.04419	0.34069	-0.04301
0.099314	0.03189	0.027051	0.55982	0.05939	0.20015	-0.00242	0.95847	-0.02824
0.117319	0.01117	0.088625	0.05564	0.059983	0.19569	0.069058	0.13619	0.046903
0.077455	0.09456	0.11733	0.01116	0.086465	0.0619	0.086217	0.06266	0.122435
-0.02653	0.5674	-0.03369	0.46764	-0.03864	0.40476	-0.03451	0.45691	-0.09739
0.097264	0.03562	0.094788	0.04061	0.113998	0.0137	0.056744	0.22097	0.141415
0.041298	0.37322	0.020524	0.65821	0.039606	0.39314	0.0046	0.92102	-0.02612
0.078283	0.09107	0.023525	0.61209	-0.0066	0.88682	0.046732	0.31359	0.002722
0.079566	0.08588	0.019894	0.66806	0.028149	0.54399	0.00487	0.91641	-0.06935
0.010955	0.81334	0.062962	0.17436	0.039315	0.39663	0.045934	0.32193	0.043932
0.028368	0.54086	0.06549	0.15767	0.047255	0.30819	0.045753	0.32384	-0.00906
0.070241	0.12959	0.069291	0.13487	0.089092	0.05436	0.01719	0.711	0.009604

0.057829	0.21225	0.028029	0.5457	0.077863	0.09283	-0.02261	0.62604	-0.03788
0.036489	0.43147	0.0943	0.04166	0.038855	0.40218	0.100946	0.02917	0.089619
0.129043	0.00522	0.124083	0.00726	0.120312	0.00926	0.066158	0.15346	0.0126
0.001243	0.97863	0.063803	0.16867	0.034867	0.45224	0.065173	0.15969	0.006242
0.024244	0.60126	0.064907	0.1614	0.070048	0.13065	0.019515	0.67402	0.012648
0.027298	0.55624	0.104342	0.02414	0.040505	0.38248	0.117449	0.01108	0.077005
0.062946	0.17447	0.092406	0.04595	0.102191	0.02723	0.03103	0.50354	0.06196
-0.00647	0.88911	0.0388	0.40285	0.025594	0.58116	0.018592	0.68861	0.021234
0.131576	0.0044	0.186757	4.89E-05	0.179738	9.40E-05	0.115708	0.01234	0.135195
-0.03031	0.51353	-0.00167	0.97134	-0.02916	0.52959	0.003508	0.93973	-0.03537
-0.00526	0.90979	-0.05913	0.2021	0.025012	0.58978	-0.10976	0.01766	-0.17433
0.006439	0.88962	0.012581	0.78626	0.008377	0.85673	0.018709	0.68676	-0.04293
0.042976	0.3541	0.048709	0.29353	0.057149	0.21769	0.009706	0.8343	-0.03454
-0.05014	0.27955	-0.06064	0.19082	-0.02912	0.53015	-0.08028	0.08311	-0.16277
0.053715	0.24665	0.035578	0.44306	0.085492	0.0649	-0.02972	0.52168	-0.10939
0.030689	0.50824	-0.03777	0.4155	0.011115	0.81066	-0.08425	0.06892	-0.14305
0.012072	0.79472	0.089972	0.05201	0.067054	0.14795	0.067497	0.14529	-0.00163
-0.0343	0.4596	-0.01894	0.68308	-0.04245	0.36	-0.01584	0.7328	-0.06381
0.055691	0.22967	0.079003	0.08813	0.073783	0.1113	0.03793	0.41348	0.019891
0.089531	0.05318	0.128729	0.00534	0.110402	0.017	0.0829	0.07349	0.08749
0.0294	0.52623	0.04496	0.33231	0.058418	0.20763	-0.01002	0.82903	0.030982
0.024855	0.59212	0.01165	0.80175	0.012195	0.79267	-0.01214	0.79354	-0.12593
0.09872	0.03294	0.054826	0.237	0.076735	0.09767	0.00536	0.90804	-0.01921
-0.06832	0.14046	0.027386	0.55496	-0.02285	0.62238	0.044884	0.33312	0.079645
-0.03259	0.4823	-0.03203	0.48985	-0.0365	0.43132	-0.03506	0.44971	-0.10934
-0.0183	0.69333	-0.02034	0.66108	0.015581	0.737	-0.05955	0.19894	-0.11833
0.000444	0.99237	-0.0151	0.74488	-0.01102	0.81229	-0.02551	0.58238	-0.04227
0.018066	0.69698	-0.00345	0.94078	0.001978	0.966	-0.02551	0.58238	-0.07456
0.023215	0.6168	-0.06392	0.16787	-0.00437	0.9249	-0.09987	0.03094	-0.18555
-0.02968	0.52231	-0.04134	0.37273	-0.00875	0.85042	-0.06147	0.18478	-0.12611
0.008524	0.85423	0.020975	0.65119	0.032052	0.48959	-0.01476	0.75044	-0.08158
-0.04161	0.36957	0.013074	0.77811	-0.02328	0.61577	0.026545	0.56719	-0.00783
0.057847	0.21211	0.012121	0.79391	0.004735	0.91872	0.009129	0.84402	-0.02967
-0.02891	0.53316	-0.06075	0.19005	-0.01509	0.74501	-0.08599	0.06336	-0.09865
0.205937	7.24E-06	0.11779	0.01085	0.149229	0.00122	0.048151	0.2991	0.03754
0.118493	0.01038	0.054823	0.23702	0.0593	0.20084	0.028324	0.54148	-0.02503
0.456262	2.17E-25	0.309522	7.94E-12	0.376784	3.36E-17	0.160589	0.00049	0.111271
0.018111	0.69626	0.032419	0.48463	0.041359	0.37252	0.010192	0.82613	0.027239
0.06113	0.18726	0.008671	0.85175	0.009905	0.83096	0.006834	0.88291	-0.03072
0.008483	0.85493	-0.02241	0.62907	0.047589	0.30478	-0.088	0.05738	-0.13931
-0.03045	0.5116	-0.02083	0.65348	-0.00252	0.95662	-0.03333	0.47244	-0.09034
0.195369	2.12E-05	0.153833	0.00085	0.222223	1.23E-06	0.043795	0.345	0.090015
0.178391	0.00011	0.091203	0.04887	0.180887	8.46E-05	-0.02361	0.61078	-0.04598
-0.06046	0.19218	-0.13988	0.00245	-0.0835	0.07141	-0.15502	0.00078	-0.28057
-0.15732	0.00065	-0.24482	8.40E-08	-0.15907	0.00056	-0.25103	3.83E-08	-0.40385



-0.05185	0.26345	-0.10538	0.02275	-0.012	0.79586	-0.15884	0.00057	-0.27888
0.030473	0.51124	0.047497	0.30572	0.018317	0.69299	0.044047	0.34222	-0.00888
0.38394	7.51E-18	0.286746	2.74E-10	0.405664	6.31E-20	0.066466	0.15155	0.037036
-0.03774	0.41587	-0.08056	0.08201	-0.07247	0.11783	-0.07965	0.08555	-0.08159
-0.01552	0.73801	0.044781	0.33423	0.013017	0.77904	0.0601	0.19482	0.040095
-0.01525	0.74238	-0.056	0.22707	-0.0228	0.6231	-0.08054	0.08211	-0.15546
0.109826	0.01759	0.157851	0.00062	0.162501	0.00042	0.082838	0.07371	0.158222
0.036161	0.43563	0.083514	0.07138	0.068103	0.1417	0.075954	0.10114	0.051862
0.019016	0.6819	-0.08766	0.05838	-0.0444	0.33842	-0.11463	0.01318	-0.1546
-0.00964	0.83542	-0.02128	0.64645	-0.00185	0.96818	-0.02495	0.59068	-0.09389
0.072313	0.11863	0.051486	0.26684	0.127945	0.00562	-0.03891	0.40156	-0.05556
0.043549	0.34771	-0.03323	0.47373	-0.02737	0.55516	-0.01636	0.72432	-0.12987
0.109835	0.01758	0.025949	0.57592	0.073187	0.11423	-0.02349	0.61255	-0.07335
0.0442	0.34055	0.102277	0.0271	0.093007	0.04455	0.042025	0.36487	0.221706
-0.08508	0.06621	-0.00248	0.95729	-0.05298	0.25317	0.028892	0.5334	-0.05089
-0.04611	0.32011	-0.11283	0.0147	-0.05758	0.21427	-0.12284	0.00787	-0.2108
0.030282	0.51389	0.020417	0.65988	0.042197	0.3629	-0.02192	0.63656	-0.07442
0.008473	0.85509	0.044561	0.33662	0.024374	0.59932	0.016138	0.72796	-0.00115
-0.00186	0.96798	0.044215	0.34039	0.014816	0.74948	0.040341	0.38442	0.035943
0.057134	0.21781	0.087995	0.05741	0.047154	0.30923	0.087178	0.05977	0.049796
0.043084	0.35289	0.058052	0.21049	0.063933	0.1678	0.013882	0.76478	0.014644
0.034882	0.45204	0.03163	0.49532	0.024746	0.59375	0.010233	0.82544	-0.04949
0.018546	0.68935	-0.04631	0.31797	-0.03485	0.45246	-0.06368	0.16947	-0.04572
0.155517	0.00075	0.251189	3.75E-08	0.235096	2.76E-07	0.149806	0.00117	0.12946
-0.00568	0.90264	0.000241	0.99586	-0.00268	0.9539	-0.01775	0.70205	-0.04003
-0.0426	0.35838	0.020762	0.6545	-0.01522	0.74294	0.049637	0.28441	-0.00617
0.019729	0.67066	0.061512	0.18452	0.007745	0.86742	0.07314	0.11446	0.040253
0.043872	0.34415	0.047288	0.30785	0.046363	0.31743	0.034918	0.45158	0.01076
0.005269	0.90958	0.016972	0.7145	0.018374	0.69207	-0.0099	0.83103	-0.06396
0.127907	0.00564	0.138838	0.00264	0.103022	0.026	0.116	0.01212	0.075867
0.005892	0.89895	-0.00151	0.97411	-0.00738	0.87359	-0.01494	0.74752	-0.10072
0.058768	0.20491	0.047765	0.303	0.02342	0.61369	0.039049	0.39984	-0.01753
0.002743	0.95285	0.077935	0.09252	0.018633	0.68796	0.088326	0.05647	0.058469
0.042036	0.36474	0.055238	0.23349	0.043813	0.3448	0.036058	0.43693	0.038801
0.010901	0.81425	-0.03293	0.4778	-0.02903	0.53151	-0.01572	0.73467	-0.12065
0.009911	0.83086	-0.03052	0.51059	-0.01244	0.78857	-0.04497	0.33224	-0.13485
0.332752	1.55E-13	0.19251	2.81E-05	0.232118	3.93E-07	0.087913	0.05764	0.112314
0.013599	0.76944	-0.01875	0.68616	-0.00312	0.94635	-0.02968	0.52233	-0.04967
0.016851	0.71645	-0.03685	0.42695	-0.00449	0.92295	-0.06798	0.14244	-0.15676
0.046379	0.31726	0.061784	0.18258	0.07883	0.08883	0.03139	0.4986	0.028417
-0.09779	0.03463	-0.08269	0.07424	-0.07588	0.10146	-0.07012	0.13028	-0.20135
0.086434	0.06199	0.076121	0.10039	0.070265	0.12946	0.04822	0.29841	0.06936
0.069884	0.13155	0.032814	0.47932	0.093951	0.04242	-0.03045	0.51151	-0.04048
-0.06243	0.17806	-0.04984	0.28242	-0.0365	0.43138	-0.06748	0.14539	-0.09528
-0.0079	0.86486	0.049101	0.28965	0.026205	0.57217	0.03141	0.49833	0.060408

0.050824	0.27305	-0.04731	0.30764	0.008958	0.8469	-0.07329	0.11374	-0.18628
0.075034	0.10536	0.050253	0.27847	0.077802	0.09308	-0.00627	0.8925	-0.02516
0.15021	0.00113	0.106565	0.02126	0.121873	0.00838	0.065023	0.16066	0.026006
0.159439	0.00054	0.07699	0.09656	0.111025	0.01638	0.015812	0.73326	-0.04542
0.011818	0.79894	-0.02239	0.62934	-0.01369	0.76799	-0.03418	0.46123	-0.0565
-0.03251	0.48334	0.020309	0.66157	0.002231	0.96165	0.0319	0.49164	0.006985
0.076037	0.10077	0.053566	0.24797	0.073626	0.11207	0.011143	0.8102	-0.0459
-0.01394	0.76375	-0.05959	0.19865	0.007185	0.87694	-0.10164	0.02808	-0.15442
-0.04067	0.38057	-0.02818	0.54349	-0.02015	0.6641	-0.04362	0.34693	-0.09754
-0.00882	0.84923	-0.06065	0.19072	0.011236	0.80865	-0.09866	0.03304	-0.19308
0.128673	0.00536	0.068863	0.1373	0.10057	0.02978	0.024757	0.59358	0.032892
-0.02764	0.55131	-0.02301	0.61995	-0.01337	0.77327	-0.03503	0.45007	-0.11997
0.249285	4.79E-08	0.262497	8.48E-09	0.25704	1.75E-08	0.167915	0.00027	0.211734
0.020716	0.65522	0.004828	0.91713	0.026453	0.56853	-0.01579	0.73369	-0.07907
-0.02538	0.58427	-0.06726	0.14669	-0.03594	0.43843	-0.09074	0.05003	-0.14258
-0.01279	0.7828	-0.05946	0.19958	-0.01875	0.68614	-0.08788	0.05773	-0.24616
-0.0634	0.17138	0.003477	0.94027	-0.02815	0.54403	0.005642	0.90322	-0.02408
0.042971	0.35416	0.004622	0.92065	0.041378	0.37231	-0.00547	0.90619	-0.00612
-0.04889	0.29169	-0.13425	0.00365	-0.04697	0.31116	-0.16783	0.00027	-0.2965
0.018076	0.69682	0.053051	0.25255	0.036973	0.42538	0.052083	0.26132	-0.00911
0.187034	4.76E-05	0.156988	0.00066	0.184383	6.12E-05	0.07765	0.09373	0.042474
-0.01397	0.76334	-0.04056	0.38188	-0.02215	0.63302	-0.03343	0.47111	-0.15651
0.293634	9.69E-11	0.190808	3.32E-05	0.29876	4.40E-11	0.025953	0.57586	0.031158
0.151573	0.00102	0.060965	0.18846	0.10433	0.02415	-0.00047	0.99196	-0.02049
-0.13708	0.00299	0.003149	0.94589	-0.02385	0.60721	0.000792	0.98638	0.062793
-0.12465	0.007	0.014172	0.76001	-0.01313	0.77715	0.02834	0.54125	0.032713
-0.04016	0.3865	0.092027	0.04685	0.046899	0.31186	0.075543	0.10301	0.202522
-0.1253	0.00671	-0.0609	0.18894	-0.06085	0.18928	-0.04649	0.31611	-0.05949
-0.08552	0.06482	0.11498	0.01291	-0.02667	0.56541	0.191889	2.99E-05	0.381439
-0.12101	0.00885	-0.01739	0.70774	-0.042	0.36515	-0.00393	0.93252	-0.00428
-0.02588	0.577	0.106352	0.02152	0.051325	0.26834	0.123607	0.00749	0.060335
-0.18092	8.43E-05	-0.00125	0.97853	-0.06853	0.13924	0.0376	0.41757	0.062413
-0.10838	0.01914	0.035973	0.43801	-0.03427	0.46001	0.060312	0.19325	0.180869
-0.03448	0.45725	0.120529	0.00913	0.066325	0.15242	0.116835	0.01151	0.223448
-0.04001	0.38839	0.148949	0.00125	0.080354	0.08281	0.150993	0.00106	0.280649
-0.07928	0.087	0.093468	0.0435	0.006569	0.88741	0.129255	0.00515	0.207389
-0.06174	0.18287	-0.00838	0.85673	0.00189	0.96751	-0.01735	0.70841	-0.03545
-0.01082	0.81566	0.013508	0.77094	0.037746	0.41575	-0.02582	0.57778	-0.01909
-0.08745	0.05898	-0.05386	0.24538	-0.04834	0.29723	-0.05263	0.25633	0.041238
-0.0497	0.2838	0.058376	0.20795	0.029223	0.52873	0.054095	0.24332	0.121545
-0.25281	3.04E-08	-0.25013	4.29E-08	-0.18634	5.09E-05	-0.24289	1.07E-07	-0.30539
-0.06686	0.14911	0.02887	0.53372	-0.01502	0.74617	0.059556	0.19889	0.062671
-0.02407	0.60383	0.101411	0.02843	0.059177	0.20178	0.077417	0.09472	0.202423
-0.08995	0.05206	0.019429	0.67538	-0.04111	0.37537	0.058039	0.2106	0.096195
-0.12003	0.00942	-0.04586	0.32274	-0.05039	0.27718	-0.02916	0.52959	-0.08438

-0.01892	0.68341	0.138228	0.00276	0.04202	0.36492	0.163676	0.00038	0.280941
-0.08732	0.05936	0.031985	0.49049	-0.01735	0.7085	0.044126	0.34136	0.125216
-0.09858	0.03319	0.05648	0.22313	-0.0118	0.79926	0.090916	0.04959	0.183057
-0.10409	0.02448	0.103925	0.02471	-0.01519	0.74336	0.168098	0.00026	0.266181
-0.08661	0.06148	0.058368	0.20802	-0.00111	0.98099	0.071289	0.12395	0.163283
-0.10506	0.02317	0.067087	0.14775	0.018168	0.69535	0.067785	0.14357	0.144032
-0.15361	0.00087	-0.09412	0.04205	-0.09053	0.05057	-0.07301	0.11513	-0.08302
-0.10567	0.02238	0.0391	0.39922	-0.01446	0.75527	0.050341	0.27763	0.152454
-0.07539	0.1037	-0.00618	0.894	0.010213	0.82578	-0.03525	0.44727	0.033162
-0.0756	0.10277	0.045102	0.33078	-0.01816	0.69543	0.080831	0.08099	0.114695
-0.10226	0.02713	0.048287	0.29773	-0.00136	0.97662	0.068383	0.14007	0.184055
0.046379	0.31726	0.041331	0.37284	0.045613	0.32533	0.021783	0.6387	0.0977
0.009412	0.83924	0.077276	0.09532	0.047236	0.30839	0.063608	0.16997	0.220757
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-0.03454	0.45645	0.031309	0.49971	0.027829	0.54858	0.010769	0.81645	0.040735
-0.06365	0.1697	0.013235	0.77544	-0.01085	0.81511	0.013656	0.7685	0.098847
-0.12198	0.00832	-0.08891	0.05485	-0.07783	0.09298	-0.09095	0.0495	-0.07137
-0.05826	0.20888	0.04445	0.33782	0.013446	0.77197	0.028199	0.54327	0.136051
-0.12321	0.00768	-0.05487	0.23658	-0.03832	0.40874	-0.06385	0.16836	-0.07537
-0.18076	8.55E-05	-0.16718	0.00028	-0.15309	0.0009	-0.14265	0.002	-0.18266
-0.11264	0.01487	0.058325	0.20835	-0.03525	0.4473	0.113314	0.01428	0.134518
-0.06412	0.16654	0.005344	0.9083	-0.03069	0.5082	0.020059	0.66549	0.067726
-0.09005	0.0518	0.051806	0.26387	-0.00176	0.96979	0.065778	0.15584	0.154208
-0.10733	0.02034	-0.00811	0.86127	-0.01288	0.78127	-0.01463	0.75253	0.077558
-0.05606	0.2266	0.124155	0.00723	0.054977	0.23571	0.131929	0.00429	0.300413
-0.19696	1.81E-05	-0.09163	0.04782	-0.12613	0.00635	-0.05109	0.27055	-0.00435
-0.12707	0.00596	-0.05049	0.27625	-0.05003	0.28063	-0.05686	0.22007	-0.07972
-0.12103	0.00884	-0.05763	0.2138	-0.05585	0.22834	-0.04043	0.38331	-0.01125
-0.09647	0.03717	0.021041	0.65017	-0.04205	0.36458	0.067815	0.1434	0.100221
-0.02928	0.5279	0.099832	0.03101	0.066128	0.15364	0.087595	0.05856	0.227374
-0.14697	0.00145	-0.14475	0.00171	-0.09377	0.04283	-0.16473	0.00035	-0.16157
0.0276	0.55187	0.074191	0.10934	0.078634	0.08963	0.036155	0.4357	0.110163
-0.07821	0.09136	0.047297	0.30776	0.01235	0.79011	0.04367	0.34638	0.227119
-0.22339	1.08E-06	-0.07979	0.08498	-0.1514	0.00103	-0.00362	0.93784	-0.02343
-0.0845	0.0681	0.032704	0.48079	-0.01341	0.7726	0.058249	0.20895	0.064175
-0.10509	0.02313	0.049337	0.28735	-0.03549	0.44421	0.088735	0.05534	0.161691
-0.12362	0.00748	-0.00209	0.964	-0.04018	0.38637	0.011403	0.80587	0.075067
-0.06163	0.18368	0.005151	0.9116	-0.03346	0.47064	0.045089	0.33092	0.026732
-0.05238	0.25863	0.076852	0.09716	0.007843	0.86577	0.105057	0.02318	0.149616
-0.06689	0.14896	0.019426	0.67542	-0.00834	0.85737	0.023161	0.61761	0.116732
-0.04748	0.30588	0.015725	0.73467	-0.01711	0.71231	0.032433	0.48443	0.103415
-0.12895	0.00526	-0.0407	0.38014	-0.04163	0.36943	-0.04994	0.28146	-0.00555
-0.01837	0.6922	0.114475	0.01331	0.102385	0.02694	0.081485	0.07856	0.104645
-0.07362	0.11207	0.025102	0.58844	0.016991	0.7142	0.006824	0.88307	0.192897
-0.07804	0.09209	0.041303	0.37317	-0.00162	0.97212	0.050704	0.27418	0.1608

-0.10717	0.02054	0.085469	0.06497	-0.02144	0.64397	0.13502	0.00346	0.233415
-0.18236	7.38E-05	-0.02094	0.6518	-0.09497	0.04022	0.027835	0.54849	0.111659
-0.0853	0.0655	0.037372	0.42039	-0.00644	0.88963	0.058124	0.20993	0.115682
-0.10237	0.02696	-0.00323	0.94456	-0.02671	0.56475	0.007073	0.87884	0.05281
-0.16373	0.00038	-0.11048	0.01693	-0.09515	0.03983	-0.09329	0.04391	-0.15268
-0.08498	0.06654	0.003648	0.93733	-0.00357	0.93872	-0.00984	0.83207	0.024199
-0.07559	0.10279	0.021109	0.64912	-0.00518	0.91104	0.024937	0.5909	0.101201
-0.08364	0.07094	0.031306	0.49976	-0.00079	0.98634	0.037679	0.41659	0.063724
-0.05978	0.19717	-0.07979	0.08501	-0.00497	0.91465	-0.137	0.00301	-0.08731
-0.08042	0.08254	0.034775	0.45343	0.00871	0.85109	0.036748	0.4282	0.138992
-0.13897	0.00261	-0.15134	0.00104	-0.10603	0.02192	-0.15657	0.00069	-0.23263
-0.22932	5.46E-07	-0.17609	0.00013	-0.16443	0.00036	-0.14998	0.00115	-0.19148
-0.04245	0.36001	0.026465	0.56836	0.001363	0.97656	0.028557	0.53816	0.122798
-0.09633	0.03744	-0.02773	0.55001	-0.05106	0.27084	-0.00464	0.92038	-0.03543
-0.08942	0.05347	0.050054	0.28038	-0.00765	0.86901	0.068526	0.13924	0.20884
-0.24563	7.60E-08	-0.14993	0.00116	-0.15268	0.00093	-0.11301	0.01454	-0.1171
-0.16853	0.00025	-0.121	0.00886	-0.10566	0.0224	-0.10893	0.01854	-0.15325
-0.06234	0.17863	0.110315	0.01709	0.037985	0.41281	0.139449	0.00253	0.169257
-0.11028	0.01712	-0.00168	0.9711	-0.0508	0.27332	0.038831	0.40247	0.017872
-0.06912	0.13584	0.005256	0.90982	-0.01631	0.72515	0.004046	0.93051	0.053828
-0.13183	0.00432	0.009736	0.83379	-0.02443	0.59844	0.022012	0.63517	0.021743
-0.09065	0.05026	0.091156	0.04899	0.014068	0.76174	0.110745	0.01666	0.253067
-0.07386	0.11094	-0.16394	0.00037	-0.09119	0.04889	-0.16026	0.00051	-0.3092
-0.04161	0.36959	-0.03271	0.48065	-0.02853	0.53853	-0.04052	0.38226	0.005235
-0.12835	0.00547	-0.13651	0.00312	-0.09156	0.04798	-0.12841	0.00545	-0.21643
-0.00758	0.87026	0.157792	0.00062	0.071371	0.12352	0.175372	0.00014	0.328784
-0.09163	0.04782	0.051389	0.26774	-0.00186	0.96799	0.071776	0.1214	0.166258
-0.07566	0.10248	0.00851	0.85448	-0.03381	0.466	0.040275	0.38519	0.049982
-0.13935	0.00254	0.040264	0.38532	-0.02652	0.56751	0.05659	0.22223	0.16536
0.009631	0.83556	0.184924	5.81E-05	0.095361	0.0394	0.185668	5.42E-05	0.347408
-0.0547	0.23805	0.047697	0.30369	-0.00475	0.91843	0.070639	0.12742	0.111608
-0.0345	0.45706	0.055479	0.23146	0.013999	0.76286	0.056751	0.22091	0.148106
-0.08266	0.07434	0.031672	0.49475	0.04653	0.31568	-0.00673	0.88463	0.012214
0.045842	0.3229	0.186123	5.19E-05	0.119512	0.00974	0.179906	9.26E-05	0.273751
-0.14069	0.00231	-0.00415	0.92874	-0.05114	0.27011	0.017216	0.71058	0.131616
0.079985	0.08423	0.185676	5.42E-05	0.16681	0.00029	0.145826	0.00158	0.214851
-0.12059	0.00909	-0.00179	0.96917	-0.02965	0.5227	0.013762	0.76675	0.058214
-0.13683	0.00305	0.005186	0.91101	-0.05245	0.25795	0.049264	0.28806	0.078057
-0.09745	0.03527	-0.05711	0.21802	-0.03464	0.45524	-0.05966	0.19809	-0.10535
-0.12037	0.00922	-0.08758	0.05859	-0.05274	0.25536	-0.0903	0.05117	-0.12098
-0.1482	0.00132	-0.0469	0.31181	-0.03589	0.43911	-0.05276	0.25515	0.009062
-0.11091	0.0165	0.0877	0.05825	-0.02019	0.6635	0.142685	0.00199	0.221766
-0.04718	0.30895	0.112967	0.01459	0.031317	0.49961	0.135549	0.00334	0.26389
-0.17188	0.00019	0.018978	0.6825	-0.07356	0.11238	0.078634	0.08963	0.12591
-0.19001	3.58E-05	-0.1471	0.00143	-0.11537	0.0126	-0.1534	0.00088	-0.18865

-0.15636	0.0007	-0.00582	0.90026	-0.07565	0.1025	0.030445	0.51162	0.066782
-0.03626	0.43438	0.052187	0.26037	0.030209	0.5149	0.057754	0.21285	0.099138
0.065546	0.15731	0.196791	1.84E-05	0.142246	0.00206	0.168339	0.00026	0.353738
-0.16136	0.00046	0.01354	0.77041	-0.08131	0.07921	0.071575	0.12244	0.047175
-0.14503	0.00168	-0.01869	0.68708	-0.06088	0.18908	0.013851	0.7653	0.058921
-0.17209	0.00019	-0.05226	0.25967	-0.10841	0.01911	0.000992	0.98295	-0.10574
-0.05205	0.26166	0.009505	0.83768	0.003323	0.94291	-0.01	0.82931	0.041377
-0.18816	4.28E-05	-0.14754	0.00139	-0.15164	0.00101	-0.11741	0.01111	-0.08816
-0.06997	0.13106	0.002475	0.95746	-0.00222	0.96176	-0.01936	0.67646	-0.00348
0.102666	0.02652	0.192608	2.78E-05	0.228024	6.35E-07	0.090357	0.05101	0.206516
-0.14524	0.00165	-0.16309	0.0004	-0.12716	0.00593	-0.14695	0.00145	-0.23775
-0.21484	2.80E-06	-0.06332	0.17195	-0.11178	0.01566	-0.02335	0.6147	0.024181
-0.11126	0.01616	-0.08597	0.0634	-0.05901	0.20302	-0.09353	0.04336	-0.1063
-0.08994	0.05209	-0.0636	0.17	-0.05567	0.22982	-0.04695	0.3113	-0.0656
-0.15219	0.00097	-0.11087	0.01653	-0.09973	0.03119	-0.10481	0.02351	-0.11054
-0.01351	0.77085	0.134972	0.00347	0.049671	0.28409	0.154639	0.0008	0.284738
-0.11737	0.01114	0.050928	0.27206	-0.0207	0.65549	0.076027	0.10081	0.178216
-0.04712	0.30961	0.047172	0.30905	0.036941	0.42578	0.019935	0.66742	0.081189
0.034903	0.45178	0.090071	0.05175	0.059549	0.19895	0.090002	0.05193	0.12782
-0.09	0.05193	0.038068	0.41178	0.007125	0.87796	0.035619	0.44253	0.150967
-0.00657	0.88741	0.173754	0.00016	0.072516	0.1176	0.198953	1.48E-05	0.354322
-0.06381	0.16864	-0.02107	0.64974	-0.01462	0.7526	-0.02959	0.52359	-0.03257
-0.06416	0.16629	0.103077	0.02592	0.03444	0.4578	0.097646	0.0349	0.213996
-0.09208	0.04672	0.051836	0.26359	-0.00201	0.96549	0.073505	0.11266	0.139364
-0.15109	0.00106	0.001769	0.96959	-0.06445	0.16436	0.035616	0.44257	0.124556
-0.0655	0.15757	0.100263	0.03028	0.017574	0.70485	0.128075	0.00558	0.24717
-0.13269	0.00407	0.049787	0.28296	-0.02095	0.65159	0.073027	0.11503	0.185119
-0.06055	0.19149	0.007051	0.87921	-0.011	0.81264	-0.00269	0.95377	0.157324
-0.10639	0.02147	0.087334	0.05931	0.000324	0.99443	0.108276	0.01926	0.21459
-0.06202	0.18089	0.060748	0.19004	0.041925	0.36601	0.036378	0.43287	0.135013
-0.1168	0.01154	0.012522	0.78724	-0.03765	0.41697	0.032358	0.48545	0.120295
-0.08638	0.06216	0.040523	0.38227	0.019053	0.68131	0.038376	0.40802	0.100075
-0.01401	0.7627	0.114095	0.01362	0.066183	0.1533	0.105112	0.0231	0.251506
-0.0804	0.08262	0.031751	0.49368	0.015984	0.73047	0.012294	0.79102	0.113743
-0.13794	0.00282	-0.05388	0.24522	-0.08479	0.06714	-0.022	0.63536	-0.06585
-0.09348	0.04347	0.075545	0.10299	-0.01813	0.69589	0.116502	0.01175	0.24253
-0.11603	0.0121	-0.00475	0.91838	-0.02873	0.53577	0.018425	0.69127	0.052442
0.361832	6.83E-16	0.310277	7.03E-12	0.313176	4.37E-12	0.223497	1.07E-06	0.166776
0.01114	0.81026	0.012668	0.78483	0.015274	0.742	0.00731	0.8748	-0.00522
0.205931	7.24E-06	0.184777	5.89E-05	0.091028	0.0493	0.231154	4.41E-07	0.116508
0.08324	0.07232	0.098198	0.03388	0.083274	0.0722	0.080672	0.0816	0.145253
0.333255	1.42E-13	0.323295	8.01E-13	0.361689	7.03E-16	0.182417	7.35E-05	0.119316
0.014664	0.75196	0.054288	0.24165	0.036685	0.429	0.049588	0.2849	0.02708
-0.00804	0.8624	-0.01262	0.78563	-0.02038	0.66043	-0.0033	0.94327	-0.02676
0.048099	0.29962	0.052267	0.25964	0.05031	0.27793	0.032439	0.48436	0.011968

0.178991	0.0001	0.139701	0.00248	0.154497	0.00081	0.076748	0.09761	0.17631
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0.029307	0.52754	0.056135	0.22598	0.045341	0.32822	0.040918	0.37764	0.00985
0.064331	0.16516	0.068131	0.14154	0.066859	0.14914	0.044931	0.33262	0.09779
0.047777	0.30287	0.097455	0.03526	0.040842	0.37853	0.124084	0.00726	0.054939
-0.00638	0.89068	-0.00149	0.97431	0.010961	0.81324	0.000135	0.99767	-0.03699
0.03928	0.39706	0.069677	0.1327	0.038807	0.40276	0.088943	0.05476	0.021911
-0.01718	0.71116	-0.00408	0.92988	-0.01485	0.74893	0.002446	0.95796	-0.01296
0.479131	3.55E-28	0.232755	3.65E-07	0.283758	4.25E-10	0.129026	0.00523	0.094704
0.16655	0.0003	0.013195	0.77611	0.030497	0.5109	0.0129	0.78099	-0.00281
0.209518	4.96E-06	0.069234	0.13519	0.070743	0.12686	0.052969	0.25328	0.095942
0.581012	1.65E-43	0.344676	1.79E-14	0.468125	8.27E-27	0.116551	0.01172	0.183451
0.051333	0.26826	0.092565	0.04558	0.053342	0.24995	0.114161	0.01357	0.091041
0.077291	0.09526	0.062724	0.176	0.057792	0.21255	0.042635	0.35794	0.115475
0.534432	7.53E-36	0.507677	5.81E-32	0.622185	2.18E-51	0.207469	6.16E-06	0.257366
0.200721	1.24E-05	0.24531	7.91E-08	0.127744	0.0057	0.296712	6.04E-11	0.240461
0.063621	0.16988	0.027571	0.55229	0.044927	0.33266	-0.00014	0.99768	-0.00366
0.377172	3.10E-17	0.215081	2.73E-06	0.279033	8.46E-10	0.08332	0.07204	0.065947
0.068032	0.14212	0.074889	0.10603	0.064978	0.16094	0.053638	0.24733	0.030951
0.417574	3.94E-21	0.245679	7.55E-08	0.299728	3.78E-11	0.125489	0.00662	0.080121
0.066435	0.15174	0.095025	0.04011	0.044418	0.33817	0.127658	0.00573	0.05472
0.003658	0.93715	0.040146	0.38671	0.005555	0.9047	0.0539	0.24503	0.029796
0.156743	0.00068	0.251868	3.44E-08	0.235298	2.70E-07	0.174269	0.00015	0.109078
0.015312	0.74138	0.02473	0.59398	-0.00068	0.98831	0.042766	0.35646	0.006363
0.106545	0.02129	0.092655	0.04537	0.052485	0.25766	0.108128	0.01943	0.050988
0.033719	0.46727	-0.00077	0.98677	-0.00262	0.955	0.001256	0.9784	-0.01043
0.038372	0.40806	0.088343	0.05643	0.02919	0.52919	0.116178	0.01199	0.070061
0.004274	0.92661	0.064327	0.16519	0.01121	0.80909	0.087074	0.06008	0.036476
0.013748	0.76699	0.036818	0.42733	0.020465	0.65913	0.040693	0.38028	0.078711
0.029271	0.52804	0.024629	0.5955	0.018155	0.69557	0.025581	0.58135	0.00422
0.501286	4.40E-31	0.254111	2.57E-08	0.322235	9.60E-13	0.120213	0.00931	0.066956
0.004329	0.92566	0.011608	0.80245	-0.00585	0.89974	0.020993	0.65091	0.010556
-0.01875	0.68617	-0.01033	0.82374	-0.00138	0.9763	-0.02057	0.65756	-0.02475
0.023668	0.60993	0.034086	0.46243	0.014364	0.75687	0.051142	0.27005	-0.00523
0.184312	6.16E-05	0.162904	0.00041	0.208595	5.47E-06	0.052971	0.25327	0.032376
0.15669	0.00068	0.065171	0.1597	0.035325	0.44632	0.079905	0.08455	0.030564
0.048258	0.29802	0.002788	0.95209	-0.00074	0.98734	0.003398	0.94162	-0.01014
0.029448	0.52555	0.047742	0.30323	0.015368	0.74046	0.060004	0.19553	0.021732
0.069329	0.13465	0.029844	0.51999	0.010177	0.82639	0.040561	0.38182	0.007354
0.00185	0.96819	0.026736	0.5644	0.003133	0.94617	0.037372	0.4204	0.007393
0.118206	0.01057	0.034846	0.45251	0.048294	0.29767	0.009913	0.83081	-0.00628
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0.006587	0.88711	0.132957	0.004	0.043384	0.34955	0.173412	0.00017	0.167412
0.46877	6.90E-27	0.174894	0.00015	0.239851	1.55E-07	0.081512	0.07846	0.065992
0.392976	1.07E-18	0.303375	2.13E-11	0.232791	3.63E-07	0.281718	5.73E-10	0.47555
0.029237	0.52852	-0.00328	0.94362	-0.00764	0.86929	-0.00403	0.93073	-0.00838
0.015967	0.73074	0.025984	0.5754	0.007718	0.86789	0.032658	0.4814	0.008576
0.008542	0.85394	-0.00292	0.94978	-0.00422	0.92755	-0.00414	0.92896	-0.01157
0.405074	7.22E-20	0.282958	4.78E-10	0.408165	3.56E-20	0.058503	0.20697	0.087086
0.127068	0.00596	0.025678	0.57992	0.022806	0.62301	0.030675	0.50844	-0.00083
0.381532	1.25E-17	0.220007	1.58E-06	0.252895	3.01E-08	0.13246	0.00414	0.081454
0.180738	8.58E-05	0.063229	0.17254	0.076627	0.09814	0.054524	0.23959	0.031505
-0.00904	0.84559	-0.00492	0.91556	-0.01244	0.78868	-0.00191	0.96719	-0.00664
0.461483	5.23E-26	0.198954	1.48E-05	0.281162	6.22E-10	0.067751	0.14378	0.048992
0.273103	1.97E-09	0.059878	0.19647	0.072069	0.11988	0.057377	0.21586	0.022396
0.270367	2.89E-09	0.184617	5.98E-05	0.280666	6.68E-10	0.038752	0.40343	0.038182
0.178582	0.0001	0.132303	0.00418	0.127553	0.00577	0.096325	0.03745	0.063789
0.382297	1.06E-17	0.229394	5.42E-07	0.298847	4.34E-11	0.101465	0.02835	0.08666
0.181843	7.75E-05	0.231799	4.09E-07	0.165986	0.00032	0.232305	3.85E-07	0.119199
0.018739	0.68629	-0.00668	0.88556	-0.00224	0.96146	0.003583	0.93844	-0.02832
0.13266	0.00408	0.286977	2.64E-10	0.199278	1.43E-05	0.266787	4.73E-09	0.260412
0.045303	0.32863	-0.08771	0.05822	-0.01404	0.76214	-0.12175	0.00845	-0.24465
-0.07724	0.09547	-0.18434	6.14E-05	-0.13069	0.00467	-0.16682	0.00029	-0.28324
-0.07191	0.12073	-0.16676	0.0003	-0.07556	0.10293	-0.20053	1.26E-05	-0.3515
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0.117541	0.01102	0.002292	0.9606	0.071335	0.12371	-0.03683	0.42715	-0.07858
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-0.01155	0.80337	-0.2256	8.40E-07	-0.14623	0.00153	-0.21069	4.38E-06	-0.31349
-0.06221	0.17955	-0.17564	0.00014	-0.09505	0.04005	-0.18855	4.12E-05	-0.39172
-0.09938	0.03177	-0.23431	3.03E-07	-0.10298	0.02606	-0.2664	4.99E-09	-0.51175
0.049585	0.28492	-0.15951	0.00054	-0.06355	0.17037	-0.17237	0.00018	-0.28603
-0.06778	0.1436	-0.10824	0.0193	-0.11988	0.00951	-0.07103	0.12533	-0.17475
-0.01203	0.79538	-0.13278	0.00405	-0.07904	0.08799	-0.14058	0.00233	-0.25267
-0.07348	0.11279	-0.21067	4.39E-06	-0.07969	0.08538	-0.23819	1.90E-07	-0.47659
0.035776	0.44053	-0.15114	0.00105	0.004809	0.91745	-0.2181	1.96E-06	-0.44634
-0.01292	0.78063	-0.06548	0.1577	-0.03084	0.50611	-0.08091	0.08068	-0.11823
-0.02035	0.661	-0.19293	2.70E-05	-0.03166	0.49488	-0.26496	6.07E-09	-0.46626
0.030493	0.51096	-0.17629	0.00013	-0.05628	0.22476	-0.21242	3.64E-06	-0.39319
-0.04461	0.3361	-0.12284	0.00787	-0.03533	0.44623	-0.15928	0.00055	-0.34158
0.007666	0.86878	-0.1609	0.00048	-0.02148	0.64336	-0.21558	2.58E-06	-0.45679
-0.00417	0.92844	-0.08871	0.0554	0.014109	0.76106	-0.14756	0.00138	-0.2775
-0.01121	0.80915	-0.17115	0.0002	-0.01564	0.73606	-0.23743	2.09E-07	-0.48709
-0.04867	0.29395	-0.21565	2.56E-06	-0.10039	0.03007	-0.24955	4.63E-08	-0.36069
-0.02308	0.61878	-0.20068	1.24E-05	-0.12098	0.00887	-0.20463	8.29E-06	-0.3449
-0.06327	0.17228	-0.18127	8.17E-05	-0.08685	0.06074	-0.2047	8.23E-06	-0.33121
-0.00186	0.96797	-0.17986	9.29E-05	-0.03512	0.44895	-0.23691	2.22E-07	-0.47057
-0.0929	0.0448	-0.20193	1.10E-05	-0.11225	0.01523	-0.21164	3.96E-06	-0.43466

-0.06199	0.18109	-0.17885	0.0001	-0.09508	0.04	-0.18353	6.62E-05	-0.38168
-0.00362	0.93782	-0.23279	3.64E-07	-0.10843	0.01909	-0.25033	4.19E-08	-0.47015
-0.11344	0.01417	-0.2778	1.01E-09	-0.18013	9.07E-05	-0.26539	5.73E-09	-0.52869
-0.01869	0.68703	-0.07109	0.12498	0.014486	0.75488	-0.10943	0.018	-0.21492
-0.01443	0.75585	-0.17582	0.00013	-0.04235	0.36119	-0.2211	1.40E-06	-0.45195
-0.13466	0.00355	-0.21394	3.09E-06	-0.13061	0.0047	-0.22859	5.95E-07	-0.34513
-0.01554	0.73762	-0.17423	0.00015	-0.09039	0.05093	-0.19231	2.87E-05	-0.35271
-0.08678	0.06096	-0.19597	2.00E-05	-0.13409	0.00369	-0.1929	2.71E-05	-0.3053
-0.04465	0.33565	-0.26808	3.96E-09	-0.13499	0.00347	-0.30188	2.70E-11	-0.46574
-0.08295	0.07332	-0.19248	2.82E-05	-0.09255	0.04561	-0.21909	1.75E-06	-0.38997
-0.08099	0.08041	-0.18799	4.35E-05	-0.10207	0.02741	-0.20537	7.68E-06	-0.35751
-0.11155	0.01588	-0.24258	1.11E-07	-0.13986	0.00245	-0.25742	1.67E-08	-0.39324
-0.14095	0.00227	-0.19313	2.65E-05	-0.14883	0.00126	-0.17465	0.00015	-0.29105
-0.1233	0.00764	-0.25162	3.55E-08	-0.13717	0.00297	-0.27399	1.74E-09	-0.47118
-0.1082	0.01934	-0.19228	2.87E-05	-0.14203	0.00209	-0.17958	9.54E-05	-0.30259
0.02572	0.57929	-0.05574	0.22929	-0.02827	0.54219	-0.06432	0.16527	-0.03073
-0.08431	0.06872	-0.09118	0.04892	-0.04901	0.2906	-0.10547	0.02264	-0.19125
-0.06982	0.13191	-0.20599	7.20E-06	-0.11605	0.01208	-0.22322	1.10E-06	-0.33388
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0.047211	0.30864	-0.15883	0.00057	-0.0317	0.49439	-0.20093	1.21E-05	-0.4031
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0.003712	0.93624	-0.08769	0.05827	-0.00439	0.92463	-0.12252	0.00804	-0.21174
0.023561	0.61154	-0.15024	0.00113	-0.05369	0.24685	-0.18033	8.90E-05	-0.33675
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0.023196	0.61707	-0.15863	0.00058	-0.03094	0.50477	-0.2031	9.71E-06	-0.32396
0.003362	0.94223	-0.08749	0.05887	-0.04833	0.29734	-0.10905	0.01841	-0.18825
0.042355	0.36111	-0.14236	0.00204	-0.04772	0.30341	-0.16442	0.00036	-0.40034
-0.13056	0.00471	-0.32632	4.76E-13	-0.19223	2.89E-05	-0.34314	2.38E-14	-0.51787
-0.0696	0.13316	-0.16263	0.00042	-0.06483	0.1619	-0.18905	3.93E-05	-0.36751
-0.0461	0.32013	-0.12299	0.00779	-0.09005	0.05182	-0.12995	0.00491	-0.25988
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0.059464	0.19959	-0.00228	0.96081	0.077302	0.09521	-0.0647	0.16273	-0.05769
-0.07993	0.08444	-0.20416	8.71E-06	-0.14587	0.00157	-0.18705	4.76E-05	-0.3692
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0.001815	0.9688	-0.18369	6.53E-05	-0.0819	0.07703	-0.21356	3.21E-06	-0.41208
-0.02617	0.5727	-0.13372	0.00379	-0.08216	0.0761	-0.14029	0.00238	-0.25104
0.054651	0.2385	-0.1079	0.01969	0.015971	0.73068	-0.17121	0.0002	-0.27367
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-0.1592	0.00055	-0.20991	4.76E-06	-0.14975	0.00117	-0.21138	4.07E-06	-0.40088
-0.04153	0.37054	-0.18357	6.60E-05	-0.0899	0.05221	-0.2	1.33E-05	-0.3899
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-0.04706	0.31018	-0.13907	0.0026	-0.07472	0.1068	-0.1542	0.00083	-0.29549
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0.052764	0.25513	-0.10997	0.01744	-0.01465	0.75213	-0.15824	0.0006	-0.24406
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0.021794	0.63852	-0.17604	0.00013	-0.05466	0.23844	-0.21174	3.91E-06	-0.40011
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0.039356	0.39613	-0.04646	0.31643	0.028855	0.53393	-0.08302	0.07309	-0.14375
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0.001768	0.96961	-0.13688	0.00304	-0.02531	0.58536	-0.17216	0.00019	-0.38434
0.028193	0.54336	-0.24045	1.44E-07	-0.12052	0.00913	-0.25871	1.41E-08	-0.45465
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0.018713	0.6867	-0.19566	2.06E-05	-0.0147	0.75135	-0.273	2.00E-09	-0.4618
-0.0497	0.28379	-0.1621	0.00044	-0.07588	0.10146	-0.19876	1.51E-05	-0.30473
-0.0345	0.45708	-0.21658	2.31E-06	-0.08185	0.07721	-0.25523	2.22E-08	-0.46618
-0.02182	0.6382	-0.22496	9.03E-07	-0.09435	0.04154	-0.25673	1.83E-08	-0.4716
-0.00689	0.88197	-0.08597	0.06341	0.003561	0.93882	-0.13697	0.00302	-0.3137
0.027772	0.54939	-0.17436	0.00015	-0.02026	0.66231	-0.24042	1.45E-07	-0.44102
-0.04288	0.35517	-0.12886	0.00529	-0.06229	0.17903	-0.13902	0.0026	-0.24958
-0.06883	0.13751	-0.17678	0.00012	-0.09879	0.03281	-0.18607	5.22E-05	-0.37142
0.017415	0.70739	-0.14288	0.00197	-0.02007	0.6653	-0.18918	3.88E-05	-0.34424
-0.02274	0.62403	-0.15088	0.00107	-0.02575	0.57891	-0.20443	8.46E-06	-0.38662
-0.09168	0.0477	-0.21648	2.34E-06	-0.15111	0.00105	-0.20072	1.24E-05	-0.342
-0.02599	0.57534	-0.11813	0.01062	-0.08751	0.05881	-0.11664	0.01165	-0.14505
-0.12348	0.00755	-0.20561	7.49E-06	-0.13684	0.00305	-0.2223	1.22E-06	-0.30442
0.018445	0.69095	-0.16575	0.00032	-0.0607	0.1904	-0.19696	1.81E-05	-0.40627
-0.02638	0.56964	-0.16603	0.00031	-0.08423	0.06896	-0.17523	0.00014	-0.30626
-0.088	0.0574	-0.19674	1.85E-05	-0.11189	0.01556	-0.2033	9.52E-06	-0.42266
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-0.04266	0.35768	-0.18249	7.30E-05	-0.05557	0.2307	-0.22399	1.01E-06	-0.42154
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-0.03972	0.39173	-0.06886	0.13733	-0.04649	0.31614	-0.05502	0.23533	-0.11141
-0.00985	0.83184	-0.14221	0.00207	-0.03796	0.41311	-0.17182	0.00019	-0.36664
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-0.08188	0.07711	-0.19584	2.02E-05	-0.13946	0.00252	-0.17488	0.00015	-0.35566
-0.04366	0.34649	-0.17142	0.0002	-0.09064	0.05028	-0.19071	3.35E-05	-0.26166
-0.08649	0.06181	-0.25103	3.83E-08	-0.13179	0.00433	-0.26712	4.52E-09	-0.52528
-0.08059	0.08192	-0.26266	8.29E-09	-0.14391	0.00182	-0.28446	3.83E-10	-0.48889
-0.12429	0.00716	-0.16123	0.00047	-0.09325	0.044	-0.16748	0.00028	-0.39497
0.002933	0.9496	-0.07266	0.11688	-0.02058	0.65736	-0.09786	0.0345	-0.23732
-0.05922	0.20142	-0.08895	0.05474	-0.02717	0.55814	-0.09927	0.03196	-0.18437
-0.00657	0.88741	-0.22482	9.18E-07	-0.12112	0.00879	-0.22996	5.07E-07	-0.4179
0.035471	0.44444	-0.13141	0.00445	0.020191	0.66341	-0.20207	1.08E-05	-0.41647
0.054472	0.24005	-0.20318	9.63E-06	-0.08147	0.0786	-0.22915	5.58E-07	-0.41139
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0.654936	1.51E-58	0.657654	3.50E-59	0.669769	4.30E-62	0.449491	1.32E-24	0.306871
0.570881	9.71E-42	0.463874	2.71E-26	0.56632	5.82E-41	0.210884	4.29E-06	0.324001
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0.719323	1.38E-75	0.447441	2.27E-24	0.467175	1.08E-26	0.311407	5.84E-12	0.352552
0.811868	#####	0.609405	8.08E-49	0.629961	5.20E-53	0.432967	9.26E-23	0.366227
0.783175	5.27E-98	0.403018	1.15E-19	0.59322	9.96E-46	0.119882	0.00951	0.107901
0.76546	4.50E-91	0.657117	4.68E-59	0.624027	9.08E-52	0.506678	8.00E-32	0.574599
0.473648	1.73E-27	0.28493	3.58E-10	0.385559	5.32E-18	0.116067	0.01207	0.117879
0.656448	6.71E-59	0.501879	3.65E-31	0.430387	1.76E-22	0.423243	1.01E-21	0.447757
0.811371	#####	0.693743	2.81E-68	0.802738	#####	0.385582	5.30E-18	0.336929
0.841887	#####	0.656414	6.83E-59	0.747417	1.29E-84	0.384473	6.71E-18	0.314234
0.591229	2.33E-45	0.373206	7.01E-17	0.518335	1.81E-33	0.131671	0.00437	0.152567
0.948051	#####	0.694361	1.91E-68	0.824164	#####	0.369632	1.45E-16	0.299102
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0.652114	6.77E-58	0.342452	2.70E-14	0.48167	1.69E-28	0.130596	0.0047	0.106084
0.78194	1.68E-97	0.690691	1.86E-67	0.811803	#####	0.341328	3.32E-14	0.318629
0.783168	5.30E-98	0.60172	2.50E-47	0.578752	4.14E-43	0.466584	1.27E-26	0.341636
0.518895	1.50E-33	0.293613	9.72E-11	0.294938	7.94E-11	0.231449	4.26E-07	0.189265
0.948083	#####	0.582753	8.05E-44	0.776429	2.73E-95	0.228439	6.05E-07	0.252025
0.482424	1.35E-28	0.325807	5.21E-13	0.460573	6.72E-26	0.112848	0.01469	0.227967
0.411065	1.82E-20	0.26583	5.39E-09	0.343138	2.38E-14	0.114254	0.01349	0.123522

0.562267	2.79E-40	0.311361	5.89E-12	0.456597	1.98E-25	0.087401	0.05912	0.223656
0.457296	1.64E-25	0.219063	1.76E-06	0.227789	6.53E-07	0.215317	2.66E-06	0.124393
0.465443	1.75E-26	0.240286	1.47E-07	0.325482	5.51E-13	0.119583	0.00969	0.092755
0.763392	2.65E-90	0.592485	1.36E-45	0.766558	1.74E-91	0.239292	1.66E-07	0.219854
0.786046	3.44E-99	0.710385	6.07E-73	0.76564	3.85E-91	0.461805	4.79E-26	0.353793
0.909473	#####	0.552399	1.16E-38	0.783887	2.69E-98	0.171189	0.0002	0.184306
0.700032	5.29E-70	0.600501	4.26E-47	0.619246	8.71E-51	0.389854	2.12E-18	0.679042
0.658207	2.60E-59	0.541784	5.58E-37	0.625322	4.89E-52	0.288235	2.19E-10	0.269562
0.516758	3.04E-33	0.248774	5.11E-08	0.32689	4.32E-13	0.110807	0.0166	0.039387
0.422466	1.22E-21	0.294041	9.11E-11	0.344792	1.75E-14	0.162514	0.00042	0.155346
0.503776	2.01E-31	0.320593	1.27E-12	0.372934	7.41E-17	0.161337	0.00047	0.227016
0.720049	8.31E-76	0.523408	3.32E-34	0.678273	3.21E-64	0.212748	3.51E-06	0.172372
0.399614	2.47E-19	0.334121	1.21E-13	0.407367	4.27E-20	0.149731	0.00117	0.21645
0.547332	7.49E-38	0.329453	2.76E-13	0.44126	1.13E-23	0.138174	0.00277	0.103613
0.891656	#####	0.584174	4.47E-44	0.797053	#####	0.210644	4.40E-06	0.197277
0.934821	#####	0.608813	1.06E-48	0.659458	1.32E-59	0.424518	7.43E-22	0.2789
0.650783	1.37E-57	0.536896	3.17E-36	0.607561	1.86E-48	0.310882	6.37E-12	0.332314
0.433522	8.05E-23	0.300886	3.15E-11	0.286855	2.69E-10	0.23548	2.64E-07	0.35031
0.677513	5.01E-64	0.613856	1.06E-49	0.726247	1.04E-77	0.310782	6.47E-12	0.26238
0.701789	1.71E-70	0.515555	4.52E-33	0.669966	3.85E-62	0.215321	2.66E-06	0.386283
0.720509	6.03E-76	0.63869	6.90E-55	0.628162	1.25E-52	0.474324	1.42E-27	0.313062
0.730282	5.65E-79	0.397365	4.08E-19	0.307174	1.16E-11	0.443138	6.97E-24	0.245916
0.581255	1.49E-43	0.354976	2.58E-15	0.366545	2.69E-16	0.261708	9.43E-09	0.232821
0.776207	3.34E-95	0.70204	1.45E-70	0.731095	3.12E-79	0.461828	4.76E-26	0.353346
0.88195	#####	0.670639	2.63E-62	0.756028	1.26E-87	0.396263	5.21E-19	0.346305
0.697981	1.95E-69	0.448112	1.90E-24	0.570803	1.00E-41	0.206586	6.76E-06	0.219216
0.846843	#####	0.752242	2.74E-86	0.801289	#####	0.495856	2.38E-30	0.350242
0.476026	8.73E-28	0.327122	4.15E-13	0.449472	1.33E-24	0.116794	0.01154	0.102292
0.739499	5.92E-82	0.334889	1.06E-13	0.489183	1.81E-29	0.117223	0.01124	0.105814
0.414108	8.94E-21	0.3093	8.23E-12	0.339087	4.98E-14	0.201385	1.16E-05	0.176325
0.599358	7.03E-47	0.377002	3.21E-17	0.439208	1.91E-23	0.237497	2.07E-07	0.424886
0.422689	1.16E-21	0.336043	8.62E-14	0.338165	5.88E-14	0.248763	5.11E-08	0.213312
0.923601	#####	0.534867	6.47E-36	0.671399	1.70E-62	0.266741	4.76E-09	0.320166
0.625263	5.03E-52	0.605409	4.87E-48	0.527867	7.29E-35	0.541741	5.66E-37	0.449056
0.863061	#####	0.486964	3.52E-29	0.684736	6.95E-66	0.149234	0.00122	0.241787
0.68056	8.37E-65	0.540442	9.01E-37	0.546755	9.25E-38	0.373728	6.30E-17	0.453001
0.513081	1.02E-32	0.474988	1.18E-27	0.466746	1.22E-26	0.331767	1.84E-13	0.226878
0.579861	2.63E-43	0.577693	6.36E-43	0.502829	2.71E-31	0.492201	7.26E-30	0.368231
0.795631	#####	0.591389	2.17E-45	0.589901	4.08E-45	0.426916	4.14E-22	0.466034
0.550879	2.04E-38	0.437848	2.70E-23	0.440468	1.39E-23	0.326712	4.45E-13	0.327788
0.763228	3.04E-90	0.633972	7.26E-54	0.810233	#####	0.249531	4.64E-08	0.480316
0.617317	2.14E-50	0.455003	3.05E-25	0.525527	1.62E-34	0.277294	1.09E-09	0.211348
0.623764	1.03E-51	0.40422	8.77E-20	0.586843	1.47E-44	0.112691	0.01483	0.12848
0.574922	1.94E-42	0.451406	7.97E-25	0.544385	2.19E-37	0.232077	3.95E-07	0.217054
0.630681	3.66E-53	0.572142	5.89E-42	0.692279	6.96E-68	0.273585	1.84E-09	0.225067

0.499577	7.50E-31	0.330507	2.30E-13	0.433571	7.96E-23	0.159077	0.00056	0.181945
0.934209	#####	0.567537	3.62E-41	0.742051	8.41E-83	0.25421	2.54E-08	0.206203
0.666472	2.75E-61	0.537183	2.86E-36	0.712913	1.11E-73	0.193721	2.50E-05	0.24309
0.430734	1.61E-22	0.265098	5.96E-09	0.336869	7.43E-14	0.142744	0.00199	0.115292
0.698789	1.17E-69	0.507393	6.37E-32	0.71166	2.58E-73	0.126211	0.00631	0.216908
0.599577	6.39E-47	0.244404	8.85E-08	0.370933	1.11E-16	0.084804	0.0671	0.056304
0.907966	#####	0.521864	5.57E-34	0.666928	2.13E-61	0.270856	2.70E-09	0.209569
0.454602	3.39E-25	0.276446	1.23E-09	0.356138	2.07E-15	0.126674	0.00612	0.104654
0.846638	#####	0.483974	8.57E-29	0.58833	7.91E-45	0.263784	7.12E-09	0.223307
0.668242	1.02E-61	0.48698	3.51E-29	0.605205	5.33E-48	0.241042	1.34E-07	0.299874
0.756637	7.60E-88	0.383038	9.09E-18	0.50146	4.17E-31	0.205666	7.44E-06	0.136743
0.725089	2.39E-77	0.71427	4.43E-74	0.709434	1.14E-72	0.501413	4.23E-31	0.662264
0.614834	6.77E-50	0.341851	3.01E-14	0.419168	2.70E-21	0.209575	4.93E-06	0.129095
0.906343	#####	0.544278	2.27E-37	0.569245	1.85E-41	0.410877	1.90E-20	0.261941
0.671203	1.91E-62	0.259086	1.34E-08	0.318722	1.74E-12	0.165581	0.00033	0.10289
0.562435	2.61E-40	0.384437	6.76E-18	0.438527	2.28E-23	0.214136	3.02E-06	0.195715
0.458065	1.33E-25	0.287161	2.57E-10	0.30537	1.55E-11	0.207382	6.22E-06	0.17456
0.882285	#####	0.652038	7.05E-58	0.718782	2.00E-75	0.432144	1.14E-22	0.284148
0.391984	1.33E-18	0.220663	1.47E-06	0.323176	8.18E-13	0.061956	0.18136	0.023923
0.452349	6.20E-25	0.278419	9.24E-10	0.360934	8.15E-16	0.129245	0.00515	0.122373
0.520059	1.02E-33	0.357323	1.64E-15	0.388885	2.61E-18	0.244104	9.19E-08	0.251594
0.486652	3.87E-29	0.315758	2.85E-12	0.358437	1.33E-15	0.219437	1.69E-06	0.139962
0.614309	8.62E-50	0.360715	8.50E-16	0.448802	1.59E-24	0.187921	4.38E-05	0.131809
0.489262	1.77E-29	0.381923	1.15E-17	0.445346	3.93E-24	0.21982	1.62E-06	0.362468
0.408623	3.20E-20	0.227528	6.73E-07	0.285899	3.10E-10	0.121145	0.00878	0.058653
0.572112	5.96E-42	0.279348	8.08E-10	0.274704	1.57E-09	0.25413	2.57E-08	0.16621
0.628366	1.13E-52	0.378547	2.33E-17	0.472251	2.58E-27	0.197725	1.68E-05	0.160427
0.779478	1.66E-96	0.622939	1.52E-51	0.562324	2.73E-40	0.520864	7.79E-34	0.309798
0.456897	1.83E-25	0.323661	7.53E-13	0.293957	9.23E-11	0.259526	1.26E-08	0.268975
0.730908	3.58E-79	0.442625	7.96E-24	0.576896	8.78E-43	0.195107	2.18E-05	0.218322
0.511282	1.82E-32	0.364951	3.69E-16	0.374525	5.35E-17	0.288427	2.13E-10	0.288113
0.487992	2.59E-29	0.404768	7.74E-20	0.358774	1.24E-15	0.333972	1.25E-13	0.412242
0.64612	1.56E-56	0.410393	2.13E-20	0.312258	5.08E-12	0.422432	1.23E-21	0.23784
0.725642	1.61E-77	0.484776	6.76E-29	0.611635	2.94E-49	0.214482	2.91E-06	0.386427
0.896543	#####	0.582068	1.07E-43	0.774542	1.51E-94	0.246807	6.55E-08	0.211507
0.818387	#####	0.370995	1.10E-16	0.464083	2.55E-26	0.23376	3.24E-07	0.163807
0.422693	1.16E-21	0.23202	3.98E-07	0.182956	6.99E-05	0.268881	3.55E-09	0.153024
0.904728	#####	0.434081	7.00E-23	0.621002	3.81E-51	0.144913	0.00169	0.147213
0.538344	1.90E-36	0.255584	2.12E-08	0.31207	5.24E-12	0.159844	0.00053	0.136502
0.374692	5.17E-17	0.237229	2.14E-07	0.281399	6.00E-10	0.13111	0.00454	0.09988
0.415271	6.80E-21	0.278477	9.16E-10	0.347961	9.74E-15	0.151587	0.00102	0.220967
0.787179	1.16E-99	0.541245	6.76E-37	0.659427	1.34E-59	0.252701	3.09E-08	0.584005
0.664514	8.18E-61	0.438626	2.22E-23	0.603097	1.36E-47	0.171659	0.00019	0.188564
0.620407	5.04E-51	0.617045	2.43E-50	0.692946	4.61E-68	0.383602	8.07E-18	0.245434
0.602409	1.84E-47	0.459063	1.02E-25	0.311412	5.84E-12	0.520997	7.45E-34	0.32129

0.731709	1.99E-79	0.556792	2.24E-39	0.526369	1.22E-34	0.462928	3.52E-26	0.31978
0.438008	2.60E-23	0.276593	1.20E-09	0.376146	3.83E-17	0.105644	0.02241	0.090701
0.232182	3.90E-07	0.160119	0.00051	0.20444	8.46E-06	0.061513	0.18451	0.043745
0.535	6.17E-36	0.363762	4.67E-16	0.385944	4.90E-18	0.261273	9.99E-09	0.267277
0.469553	5.53E-27	0.300128	3.55E-11	0.352926	3.82E-15	0.197043	1.80E-05	0.127589
0.498514	1.04E-30	0.279302	8.14E-10	0.400832	1.88E-19	0.110096	0.01731	0.08236
0.488623	2.14E-29	0.327125	4.15E-13	0.409762	2.46E-20	0.167657	0.00027	0.120583
0.422886	1.10E-21	0.212765	3.50E-06	0.274133	1.70E-09	0.124632	0.007	0.16957
0.289061	1.94E-10	0.111927	0.01553	0.211567	3.99E-06	0.011657	0.80162	0.014232
0.586566	1.66E-44	0.506219	9.26E-32	0.549981	2.84E-38	0.316131	2.68E-12	0.322696
0.84319	#####	0.708572	2.03E-72	0.736555	5.47E-81	0.495334	2.79E-30	0.324338
0.601003	3.42E-47	0.508423	4.58E-32	0.527465	8.37E-35	0.334995	1.04E-13	0.238625
0.820029	#####	0.556005	3.01E-39	0.563685	1.62E-40	0.419929	2.25E-21	0.281619
0.775517	6.25E-95	0.858105	#####	0.79722	#####	0.639191	5.36E-55	0.437008
0.682238	3.09E-65	0.336526	7.90E-14	0.443945	5.65E-24	0.148799	0.00126	0.114331
0.803221	#####	0.620133	5.74E-51	0.755574	1.82E-87	0.306159	1.37E-11	0.351373
0.689669	3.48E-67	0.396958	4.47E-19	0.506763	7.79E-32	0.19911	1.46E-05	0.151493
0.490222	1.32E-29	0.3673	2.31E-16	0.387408	3.58E-18	0.242112	1.18E-07	0.435442
0.783849	2.79E-98	0.67544	1.67E-63	0.764076	1.48E-90	0.38875	2.69E-18	0.343684
0.526185	1.29E-34	0.396197	5.29E-19	0.462238	4.25E-26	0.233271	3.43E-07	0.178282
0.172269	0.00018	0.169946	0.00022	0.153543	0.00087	0.139502	0.00252	0.098974
0.86165	#####	0.395477	6.20E-19	0.527747	7.60E-35	0.180124	9.07E-05	0.140474
0.351696	4.82E-15	0.245558	7.67E-08	0.317509	2.13E-12	0.082841	0.0737	0.074223
0.538555	1.76E-36	0.379114	2.07E-17	0.410611	2.02E-20	0.264429	6.53E-09	0.34286
0.655851	9.25E-59	0.605242	5.24E-48	0.6988	1.16E-69	0.30227	2.54E-11	0.620667
0.636133	2.48E-54	0.326486	4.63E-13	0.291257	1.39E-10	0.298007	4.94E-11	0.249381
0.792011	#####	0.42639	4.71E-22	0.626844	2.35E-52	0.13846	0.00271	0.129844
0.44629	3.07E-24	0.302504	2.44E-11	0.397425	4.03E-19	0.120096	0.00938	0.139801
0.636448	2.12E-54	0.420252	2.08E-21	0.500276	6.03E-31	0.234525	2.96E-07	0.309565
0.50985	2.89E-32	0.221765	1.30E-06	0.28728	2.53E-10	0.129365	0.00511	0.143
0.802667	#####	0.609999	6.18E-49	0.597316	1.71E-46	0.456856	1.85E-25	0.660554
0.45039	1.04E-24	0.26644	4.96E-09	0.376579	3.50E-17	0.097366	0.03543	0.120426
0.820828	#####	0.735327	1.37E-80	0.850754	#####	0.395766	5.82E-19	0.34224
0.752677	1.93E-86	0.45967	8.60E-26	0.450805	9.35E-25	0.401641	1.57E-19	0.239838
0.854133	#####	0.537626	2.45E-36	0.634637	5.22E-54	0.291088	1.43E-10	0.496288
0.571217	8.50E-42	0.433852	7.42E-23	0.4681	8.33E-27	0.265482	5.66E-09	0.507922
0.444945	4.36E-24	0.259836	1.21E-08	0.364418	4.10E-16	0.106049	0.0219	0.07114
0.38123	1.33E-17	0.191968	2.96E-05	0.251327	3.69E-08	0.081335	0.07911	0.030346
0.797349	#####	0.70687	6.25E-72	0.601664	2.56E-47	0.636536	2.03E-54	0.37321
0.765086	6.21E-91	0.573734	3.12E-42	0.605364	4.97E-48	0.399216	2.71E-19	0.332726
0.87536	#####	0.522617	4.33E-34	0.707408	4.38E-72	0.194708	2.26E-05	0.179839
0.414388	8.37E-21	0.320172	1.36E-12	0.247448	6.04E-08	0.368424	1.85E-16	0.254829
0.7631	3.39E-90	0.619157	9.07E-51	0.673415	5.38E-63	0.372709	7.75E-17	0.670115
0.627662	1.59E-52	0.433072	9.02E-23	0.512772	1.12E-32	0.243493	9.92E-08	0.181471
0.461692	4.94E-26	0.41157	1.62E-20	0.470979	3.70E-27	0.216212	2.41E-06	0.236022

0.428909	2.54E-22	0.323364	7.92E-13	0.2703	2.91E-09	0.312214	5.12E-12	0.211347
0.63374	8.14E-54	0.561637	3.55E-40	0.624238	8.21E-52	0.356686	1.86E-15	0.36397
0.734189	3.20E-80	0.539162	1.42E-36	0.689664	3.49E-67	0.26229	8.72E-09	0.212763
0.542514	4.29E-37	0.32702	4.22E-13	0.408282	3.46E-20	0.169592	0.00023	0.104228
0.414329	8.49E-21	0.178157	0.00011	0.243122	1.04E-07	0.087904	0.05767	0.061182
0.569466	1.70E-41	0.359245	1.13E-15	0.451329	8.14E-25	0.191446	3.12E-05	0.140077
0.870508	#####	0.561666	3.51E-40	0.799812	#####	0.167166	0.00029	0.178994
0.402025	1.44E-19	0.195443	2.11E-05	0.204874	8.08E-06	0.142559	0.00201	0.141226
0.594382	6.06E-46	0.344337	1.91E-14	0.480153	2.64E-28	0.138265	0.00275	0.132006
0.77108	3.33E-93	0.556746	2.28E-39	0.778402	4.49E-96	0.162062	0.00044	0.196478
0.378665	2.27E-17	0.290212	1.63E-10	0.367066	2.42E-16	0.125209	0.00674	0.126045
0.575981	1.27E-42	0.382168	1.09E-17	0.439686	1.69E-23	0.246279	7.00E-08	0.202196
0.57575	1.39E-42	0.42622	4.91E-22	0.620535	4.75E-51	0.08687	0.06068	0.201069
0.904305	#####	0.501393	4.25E-31	0.653396	3.43E-58	0.229489	5.36E-07	0.179239
0.442327	8.59E-24	0.123366	0.00761	0.140937	0.00227	0.10594	0.02204	0.132191
0.848662	#####	0.472808	2.20E-27	0.469846	5.09E-27	0.38879	2.66E-18	0.284557
0.607421	1.98E-48	0.55305	9.10E-39	0.378113	2.55E-17	0.567835	3.22E-41	0.404483
0.804854	#####	0.570174	1.28E-41	0.837697	#####	0.113163	0.01441	0.201029
0.48456	7.20E-29	0.451758	7.26E-25	0.443661	6.08E-24	0.344129	1.98E-14	0.267901
0.803107	#####	0.29537	7.43E-11	0.401028	1.80E-19	0.157016	0.00066	0.123525
0.903043	#####	0.56344	1.78E-40	0.744244	1.54E-83	0.234866	2.84E-07	0.240706
0.900981	#####	0.405724	6.23E-20	0.583387	6.20E-44	0.158001	0.00061	0.134114
0.350299	6.28E-15	0.402139	1.40E-19	0.447779	2.08E-24	0.214382	2.94E-06	0.242342
0.742963	4.17E-83	0.587015	1.37E-44	0.691054	1.48E-67	0.289418	1.84E-10	0.32434
0.614959	6.39E-50	0.456942	1.81E-25	0.520925	7.63E-34	0.29338	1.01E-10	0.206121
0.746089	3.66E-84	0.692147	7.56E-68	0.705374	1.67E-71	0.491465	9.08E-30	0.365135
0.832544	#####	0.654086	2.38E-58	0.643801	5.14E-56	0.503813	1.99E-31	0.319929
0.815805	#####	0.637319	1.37E-54	0.626041	3.46E-52	0.477164	6.29E-28	0.603724
0.407307	4.33E-20	0.38931	2.38E-18	0.347279	1.11E-14	0.336405	8.08E-14	0.293949
0.4845	7.33E-29	0.435384	5.05E-23	0.428943	2.51E-22	0.299212	4.10E-11	0.442211
0.457564	1.53E-25	0.320197	1.36E-12	0.418635	3.06E-21	0.142821	0.00197	0.088419
0.663192	1.70E-60	0.36926	1.56E-16	0.527157	9.30E-35	0.141224	0.00222	0.117988
0.720748	5.10E-76	0.50999	2.77E-32	0.552255	1.22E-38	0.34892	8.14E-15	0.326187
0.777398	1.13E-95	0.36569	3.19E-16	0.409212	2.79E-20	0.274964	1.51E-09	0.218228
0.452339	6.22E-25	0.362605	5.87E-16	0.414395	8.36E-21	0.209445	5.00E-06	0.13961
0.606383	3.15E-48	0.254874	2.33E-08	0.315964	2.76E-12	0.131077	0.00455	0.441113
0.422647	1.17E-21	0.231332	4.32E-07	0.183895	6.40E-05	0.244207	9.07E-08	0.353399
0.35755	1.57E-15	0.235494	2.63E-07	0.297359	5.47E-11	0.133492	0.00385	0.056933
0.542274	4.68E-37	0.316208	2.65E-12	0.388407	2.89E-18	0.195715	2.05E-05	0.102226
0.150494	0.00111	0.172157	0.00019	0.167274	0.00028	0.136275	0.00317	0.095136
0.562965	2.13E-40	0.464336	2.38E-26	0.50988	2.87E-32	0.269602	3.21E-09	0.457145
0.608487	1.22E-48	0.586619	1.62E-44	0.651199	1.10E-57	0.325917	5.11E-13	0.2608
0.824032	#####	0.584814	3.43E-44	0.737721	2.28E-81	0.2606	1.09E-08	0.259472
0.515274	4.96E-33	0.282928	4.80E-10	0.349407	7.43E-15	0.16018	0.00051	0.236493
0.511242	1.85E-32	0.27499	1.51E-09	0.388012	3.15E-18	0.099063	0.03233	0.084944

0.778309	4.89E-96	0.527459	8.39E-35	0.650989	1.23E-57	0.250725	3.98E-08	0.247836
0.565567	7.79E-41	0.330238	2.41E-13	0.414709	7.76E-21	0.1724	0.00018	0.089523
0.692725	5.28E-68	0.399201	2.71E-19	0.609715	7.03E-49	0.093216	0.04407	0.14285
0.503933	1.91E-31	0.452403	6.11E-25	0.481337	1.86E-28	0.279949	7.41E-10	0.258505
0.752376	2.46E-86	0.472593	2.34E-27	0.446257	3.10E-24	0.394703	7.35E-19	0.244143
0.949324	#####	0.658293	2.48E-59	0.773134	5.34E-94	0.378437	2.38E-17	0.279394
0.78626	2.80E-99	0.442518	8.18E-24	0.638442	7.82E-55	0.149714	0.00117	0.143624
0.099467	0.03163	0.178923	0.0001	0.1358	0.00328	0.156785	0.00067	0.124999
0.397039	4.39E-19	0.288907	1.98E-10	0.313971	3.83E-12	0.171227	0.0002	0.291199
0.632553	1.46E-53	0.357224	1.68E-15	0.402472	1.30E-19	0.233551	3.32E-07	0.160606
0.708668	1.90E-72	0.536651	3.45E-36	0.634603	5.31E-54	0.293928	9.27E-11	0.443059
0.482526	1.31E-28	0.353925	3.16E-15	0.349208	7.71E-15	0.301213	3.00E-11	0.196188
0.878198	#####	0.463982	2.63E-26	0.63937	4.90E-55	0.192149	2.91E-05	0.146769
0.809551	#####	0.717189	6.02E-75	0.820569	#####	0.396441	5.01E-19	0.306048
0.674474	2.92E-63	0.522945	3.88E-34	0.608817	1.05E-48	0.28943	1.83E-10	0.218424
0.62889	8.75E-53	0.539626	1.20E-36	0.655023	1.44E-58	0.247086	6.32E-08	0.290459
0.307581	1.09E-11	0.166024	0.00031	0.211092	4.20E-06	0.089231	0.05398	0.046132
0.398666	3.06E-19	0.151553	0.00102	0.211542	4.00E-06	0.076784	0.09746	0.047673
0.82655	#####	0.432302	1.09E-22	0.618206	1.42E-50	0.125136	0.00678	0.119919
0.909133	#####	0.493246	5.28E-30	0.691536	1.10E-67	0.176123	0.00013	0.175132
0.853324	#####	0.393903	8.77E-19	0.545471	1.47E-37	0.145634	0.0016	0.199792
0.810937	#####	0.505868	1.04E-31	0.739527	5.80E-82	0.116976	0.01141	0.197979
0.826787	#####	0.391731	1.41E-18	0.526448	1.18E-34	0.182396	7.36E-05	0.147458
0.790423	#####	0.548391	5.09E-38	0.782524	9.72E-98	0.1185	0.01038	0.272341
0.782348	1.15E-97	0.367633	2.16E-16	0.447684	2.13E-24	0.205528	7.55E-06	0.192018
0.803933	#####	0.280957	6.40E-10	0.382873	9.41E-18	0.145512	0.00162	0.141921
0.773777	3.00E-94	0.572995	4.19E-42	0.742972	4.14E-83	0.217745	2.03E-06	0.313767
0.54641	1.05E-37	0.174809	0.00015	0.18129	8.15E-05	0.165216	0.00034	0.22165
0.557607	1.65E-39	0.13511	0.00344	0.179498	9.61E-05	0.10619	0.02173	0.064034
0.836771	#####	0.647592	7.26E-57	0.77098	3.64E-93	0.346998	1.17E-14	0.261233
0.768401	3.51E-92	0.631222	2.81E-53	0.631249	2.77E-53	0.476613	7.37E-28	0.304411
0.750092	1.54E-85	0.48282	1.20E-28	0.633503	9.16E-54	0.188304	4.22E-05	0.31137
0.670645	2.62E-62	0.335547	9.42E-14	0.481494	1.78E-28	0.119496	0.00975	0.110523
0.610267	5.47E-49	0.384139	7.20E-18	0.407337	4.30E-20	0.288365	2.15E-10	0.234155
0.804262	#####	0.563177	1.96E-40	0.769388	1.48E-92	0.188888	3.99E-05	0.183938
0.893293	#####	0.582886	7.62E-44	0.817851	#####	0.171581	0.00019	0.212967
0.75058	1.04E-85	0.331104	2.07E-13	0.465201	1.87E-26	0.135585	0.00333	0.111062
0.702943	8.12E-71	0.61719	2.27E-50	0.65325	3.71E-58	0.405766	6.17E-20	0.350532
0.376596	3.49E-17	0.308993	8.65E-12	0.317166	2.26E-12	0.21047	4.48E-06	0.135985
0.464414	2.33E-26	0.296952	5.82E-11	0.438305	2.41E-23	0.065844	0.15542	0.068896
0.372966	7.36E-17	0.137193	0.00297	0.181623	7.90E-05	0.129695	0.005	0.067552
0.884002	#####	0.663	1.89E-60	0.800212	#####	0.343684	2.15E-14	0.332696
0.482065	1.50E-28	0.127679	0.00573	0.161059	0.00048	0.116443	0.0118	0.057629
0.491516	8.94E-30	0.387249	3.71E-18	0.45613	2.25E-25	0.196356	1.92E-05	0.215118
0.539898	1.09E-36	0.199814	1.36E-05	0.250042	4.35E-08	0.130694	0.00467	0.073416

0.46545	1.75E-26	0.244011	9.30E-08	0.30039	3.41E-11	0.142138	0.00208	0.14346
0.804659	#####	0.58885	6.35E-45	0.685432	4.57E-66	0.331938	1.79E-13	0.404824
0.616703	2.85E-50	0.589787	4.28E-45	0.542647	4.09E-37	0.47257	2.35E-27	0.459797
0.447377	2.31E-24	0.336188	8.40E-14	0.318023	1.96E-12	0.261375	9.86E-09	0.372416
0.640824	2.35E-55	0.542856	3.79E-37	0.529942	3.58E-35	0.437684	2.82E-23	0.315108
0.899818	#####	0.648796	3.88E-57	0.856648	#####	0.250138	4.29E-08	0.228503
0.666677	2.45E-61	0.471373	3.31E-27	0.639202	5.33E-55	0.170569	0.00021	0.220457
0.592103	1.60E-45	0.40274	1.23E-19	0.483909	8.73E-29	0.212279	3.69E-06	0.206555
0.374432	5.45E-17	0.24785	5.74E-08	0.357947	1.46E-15	0.076427	0.09903	0.150219
0.839462	#####	0.445848	3.45E-24	0.654547	1.86E-58	0.137159	0.00298	0.141254
0.569127	1.94E-41	0.526334	1.23E-34	0.405887	6.00E-20	0.536129	4.15E-36	0.2847
0.799342	#####	0.728394	2.23E-78	0.723926	5.45E-77	0.516723	3.08E-33	0.42843
0.581826	1.18E-43	0.490644	1.16E-29	0.497461	1.45E-30	0.339627	4.52E-14	0.379596
0.856947	#####	0.69905	9.89E-70	0.863698	#####	0.322371	9.38E-13	0.281304
0.695875	7.38E-69	0.665833	3.93E-61	0.723494	7.40E-77	0.398993	2.84E-19	0.317787
0.731709	1.99E-79	0.422843	1.12E-21	0.577476	6.94E-43	0.162578	0.00042	0.171744
0.373205	7.01E-17	0.297864	5.05E-11	0.275074	1.49E-09	0.25033	4.19E-08	0.119238
0.470904	3.78E-27	0.311254	5.99E-12	0.363456	4.96E-16	0.200014	1.33E-05	0.143598
0.566199	6.10E-41	0.418421	3.22E-21	0.539344	1.33E-36	0.182054	7.60E-05	0.148115
0.662555	2.42E-60	0.401801	1.52E-19	0.49233	6.98E-30	0.218852	1.80E-06	0.190542
0.520722	8.17E-34	0.323104	8.28E-13	0.445647	3.63E-24	0.124005	0.0073	0.114278
0.420499	1.96E-21	0.257576	1.63E-08	0.35031	6.27E-15	0.087181	0.05976	0.209749
0.504852	1.43E-31	0.485805	4.98E-29	0.468536	7.37E-27	0.360682	8.56E-16	0.411955
0.786989	1.39E-99	0.311083	6.16E-12	0.39438	7.89E-19	0.199914	1.35E-05	0.173378
0.759446	7.39E-89	0.735661	1.07E-80	0.669535	4.91E-62	0.594471	5.83E-46	0.3768
0.392914	1.09E-18	0.290744	1.50E-10	0.371679	9.56E-17	0.125403	0.00666	0.105894
0.928737	#####	0.63788	1.04E-54	0.781396	2.80E-97	0.322023	9.95E-13	0.257234
0.437877	2.68E-23	0.37522	4.64E-17	0.354628	2.76E-15	0.30725	1.15E-11	0.405696
0.680232	1.02E-64	0.519987	1.04E-33	0.633953	7.33E-54	0.269659	3.18E-09	0.239112
0.711462	2.95E-73	0.549461	3.43E-38	0.462224	4.27E-26	0.494927	3.16E-30	0.315184
0.822683	#####	0.550928	2.00E-38	0.55052	2.32E-38	0.443529	6.30E-24	0.244575
0.470656	4.05E-27	0.292911	1.08E-10	0.368528	1.81E-16	0.151234	0.00104	0.121661
0.100158	0.03046	0.198307	1.58E-05	0.109797	0.01762	0.206317	6.96E-06	0.372341
0.56524	8.85E-41	0.459231	9.70E-26	0.51846	1.73E-33	0.261476	9.72E-09	0.276901
0.818128	#####	0.588321	7.94E-45	0.789943	#####	0.223334	1.09E-06	0.217133
0.700769	3.30E-70	0.636816	1.77E-54	0.665905	3.77E-61	0.423112	1.05E-21	0.294249
0.722801	1.21E-76	0.338951	5.11E-14	0.498967	9.07E-31	0.112839	0.0147	0.112976
0.48585	4.91E-29	0.322224	9.62E-13	0.497031	1.65E-30	0.046349	0.31757	0.07924
0.786637	1.95E-99	0.641671	1.53E-55	0.695384	1.00E-68	0.400788	1.90E-19	0.298455
0.844625	#####	0.568619	2.37E-41	0.717184	6.04E-75	0.271585	2.43E-09	0.243643
0.834938	#####	0.59126	2.30E-45	0.758823	1.24E-88	0.270718	2.75E-09	0.213841
0.433574	7.95E-23	0.296826	5.94E-11	0.396325	5.14E-19	0.123259	0.00766	0.121906
0.866877	#####	0.665797	4.01E-61	0.84925	#####	0.286973	2.64E-10	0.259252
0.745313	6.72E-84	0.54429	2.26E-37	0.680282	9.86E-65	0.267199	4.47E-09	0.294812
0.429123	2.41E-22	0.261063	1.03E-08	0.365116	3.57E-16	0.102104	0.02736	0.121827



0.621282	3.34E-51	0.411234	1.75E-20	0.509771	2.97E-32	0.206149	7.08E-06	0.235099
0.691171	1.38E-67	0.415124	7.04E-21	0.558821	1.04E-39	0.189906	3.62E-05	0.173095
0.547717	6.51E-38	0.376718	3.41E-17	0.569838	1.47E-41	0.077048	0.09631	0.098267
0.438916	2.06E-23	0.283914	4.16E-10	0.348005	9.66E-15	0.14351	0.00188	0.242129
0.63929	5.10E-55	0.394854	7.11E-19	0.418706	3.01E-21	0.293284	1.02E-10	0.353056
0.632851	1.26E-53	0.430932	1.54E-22	0.511849	1.52E-32	0.237631	2.04E-07	0.210028
0.854387	#####	0.548004	5.86E-38	0.698179	1.72E-69	0.257171	1.72E-08	0.313919
0.427583	3.51E-22	0.15724	0.00065	0.248592	5.23E-08	0.061181	0.18689	0.083756
0.598795	8.99E-47	0.339869	4.32E-14	0.4838	9.02E-29	0.107434	0.02022	0.124906
0.631025	3.09E-53	0.543501	3.01E-37	0.586588	1.64E-44	0.348096	9.50E-15	0.236292
0.692558	5.86E-68	0.288301	2.17E-10	0.414178	8.79E-21	0.130131	0.00485	0.140628
0.544452	2.13E-37	0.47015	4.67E-27	0.512589	1.19E-32	0.291138	1.42E-10	0.310892
0.375216	4.64E-17	0.280432	6.91E-10	0.180205	9.01E-05	0.343576	2.20E-14	0.165669
0.500555	5.53E-31	0.168707	0.00025	0.187936	4.37E-05	0.18861	4.10E-05	0.094198
0.401153	1.75E-19	0.304855	1.68E-11	0.409187	2.81E-20	0.127347	0.00585	0.139835
0.772465	9.72E-94	0.532984	1.25E-35	0.608945	9.96E-49	0.28249	5.12E-10	0.626369
0.768332	3.73E-92	0.664433	8.56E-61	0.735656	1.07E-80	0.375194	4.66E-17	0.693697
0.708181	2.63E-72	0.356776	1.83E-15	0.488275	2.38E-29	0.142851	0.00197	0.123748
0.890967	#####	0.468288	7.90E-27	0.574616	2.19E-42	0.256812	1.81E-08	0.18678
0.597681	1.46E-46	0.292176	1.21E-10	0.28211	5.41E-10	0.241065	1.34E-07	0.151968
0.662658	2.28E-60	0.269027	3.48E-09	0.218722	1.83E-06	0.304186	1.87E-11	0.151949
0.41996	2.23E-21	0.423755	8.95E-22	0.312799	4.65E-12	0.403834	9.57E-20	0.32496
0.895579	#####	0.45786	1.41E-25	0.532957	1.26E-35	0.307374	1.12E-11	0.200307
0.843125	#####	0.569338	1.78E-41	0.786485	2.26E-99	0.201507	1.14E-05	0.187936
0.856308	#####	0.744636	1.14E-83	0.808856	#####	0.484806	6.70E-29	0.33828
0.863194	#####	0.604703	6.66E-48	0.683231	1.71E-65	0.378143	2.53E-17	0.26085
0.911004	#####	0.456296	2.15E-25	0.647447	7.83E-57	0.167904	0.00027	0.156994
0.468232	8.02E-27	0.503387	2.27E-31	0.318367	1.85E-12	0.609164	9.02E-49	0.306463
0.852569	#####	0.575677	1.43E-42	0.813531	#####	0.145931	0.00157	0.192328
0.830762	#####	0.594102	6.83E-46	0.58477	3.50E-44	0.443396	6.52E-24	0.336912
0.895562	#####	0.709031	1.50E-72	0.871633	#####	0.327921	3.61E-13	0.268082
0.918574	#####	0.64679	1.10E-56	0.762148	7.61E-90	0.363519	4.90E-16	0.255288
0.910056	#####	0.627147	2.03E-52	0.792993	#####	0.284473	3.83E-10	0.245779
0.691642	1.03E-67	0.678511	2.80E-64	0.695617	8.68E-69	0.458838	1.08E-25	0.454099
0.874421	#####	0.742909	4.34E-83	0.720775	5.01E-76	0.567783	3.29E-41	0.426464
0.736708	4.88E-81	0.565761	7.23E-41	0.792473	#####	0.156881	0.00067	0.303225
0.480022	2.74E-28	0.340625	3.77E-14	0.352864	3.87E-15	0.255522	2.14E-08	0.170132
0.705806	1.26E-71	0.469001	6.46E-27	0.538964	1.52E-36	0.281024	6.34E-10	0.27651
0.782847	7.17E-98	0.640064	3.45E-55	0.780243	8.19E-97	0.286029	3.04E-10	0.292394
0.749255	3.00E-85	0.423409	9.73E-22	0.455143	2.93E-25	0.308282	9.71E-12	0.191779
0.86764	#####	0.472299	2.54E-27	0.667068	1.97E-61	0.17592	0.00013	0.153322
0.886055	#####	0.581123	1.57E-43	0.599779	5.85E-47	0.426948	4.11E-22	0.281107
0.613759	1.11E-49	0.209901	4.76E-06	0.214134	3.02E-06	0.202242	1.06E-05	0.132847
0.656703	5.85E-59	0.41924	2.65E-21	0.260003	1.18E-08	0.504599	1.55E-31	0.276726
0.88529	#####	0.368449	1.84E-16	0.503246	2.38E-31	0.170174	0.00022	0.204592

0.559924	6.83E-40	0.269565	3.23E-09	0.391332	1.54E-18	0.092492	0.04575	0.067718
0.715309	2.18E-74	0.493998	4.20E-30	0.390556	1.82E-18	0.474609	1.31E-27	0.353159
0.778858	2.95E-96	0.261322	9.93E-09	0.315347	3.05E-12	0.190053	3.57E-05	0.159557
0.816341	#####	0.340771	3.67E-14	0.472549	2.37E-27	0.140431	0.00235	0.112211
0.903606	#####	0.620806	4.18E-51	0.742551	5.73E-83	0.329169	2.91E-13	0.243056
0.842167	#####	0.420654	1.89E-21	0.486263	4.34E-29	0.298897	4.30E-11	0.206639
0.815072	#####	0.518536	1.69E-33	0.647539	7.47E-57	0.233315	3.41E-07	0.266099
0.689225	4.57E-67	0.467118	1.10E-26	0.623709	1.06E-51	0.166607	0.0003	0.348456
0.576546	1.01E-42	0.268485	3.75E-09	0.345388	1.57E-14	0.142643	0.002	0.083493
0.619913	6.36E-51	0.363942	4.51E-16	0.486115	4.54E-29	0.154039	0.00084	0.378993
0.881633	#####	0.626281	3.09E-52	0.663844	1.19E-60	0.429973	1.95E-22	0.36548
0.68589	3.47E-66	0.271577	2.44E-09	0.25182	3.46E-08	0.294468	8.53E-11	0.150171
0.818076	#####	0.633532	9.02E-54	0.84668	#####	0.214377	2.94E-06	0.2055
0.720449	6.29E-76	0.304129	1.89E-11	0.322707	8.86E-13	0.228431	6.06E-07	0.162197
0.667495	1.55E-61	0.155978	0.00072	0.177878	0.00011	0.151018	0.00106	0.097096
0.476289	8.09E-28	0.1011	0.02892	0.120962	0.00888	0.096964	0.03619	0.109882
0.601859	2.35E-47	0.141326	0.0022	0.150486	0.00111	0.15537	0.00075	0.058966
0.672189	1.09E-62	0.273884	1.76E-09	0.227736	6.57E-07	0.308272	9.72E-12	0.218167
0.741723	1.08E-82	0.330261	2.40E-13	0.469613	5.44E-27	0.144314	0.00177	0.114342
0.87179	#####	0.370404	1.24E-16	0.49165	8.59E-30	0.186887	4.83E-05	0.16324
0.58459	3.77E-44	0.2968	5.96E-11	0.237654	2.03E-07	0.311576	5.68E-12	0.191465
0.533904	9.05E-36	0.214857	2.79E-06	0.232879	3.60E-07	0.24292	1.06E-07	0.094097
0.351976	4.57E-15	0.261707	9.43E-09	0.169705	0.00023	0.289808	1.73E-10	0.254746
0.764753	8.26E-91	0.742771	4.83E-83	0.747691	1.04E-84	0.503128	2.47E-31	0.332936
0.747564	1.15E-84	0.560878	4.75E-40	0.647519	7.54E-57	0.317512	2.13E-12	0.227656
0.906349	#####	0.663217	1.68E-60	0.680421	9.08E-65	0.46943	5.73E-27	0.30853
0.514306	6.81E-33	0.423753	8.95E-22	0.305834	1.44E-11	0.459081	1.01E-25	0.40209
0.91488	#####	0.472047	2.73E-27	0.679486	1.58E-64	0.145587	0.00161	0.160254
0.924051	#####	0.517251	2.59E-33	0.700189	4.78E-70	0.217841	2.01E-06	0.200861
0.884857	#####	0.714256	4.47E-74	0.797336	#####	0.415964	5.77E-21	0.306972
0.804184	#####	0.337283	6.90E-14	0.464181	2.49E-26	0.175639	0.00014	0.119673
0.748711	4.63E-85	0.781571	2.38E-97	0.728673	1.82E-78	0.617495	1.97E-50	0.444189
0.783987	2.45E-98	0.552735	1.02E-38	0.721965	2.17E-76	0.242528	1.12E-07	0.194507
0.882752	#####	0.659123	1.58E-59	0.793547	#####	0.353832	3.21E-15	0.27381
0.683469	1.48E-65	0.606295	3.28E-48	0.720926	4.50E-76	0.320627	1.26E-12	0.249316
0.855215	#####	0.767418	8.27E-92	0.818942	#####	0.494573	3.52E-30	0.384079
0.909258	#####	0.62908	7.98E-53	0.72719	5.30E-78	0.364153	4.32E-16	0.281045
0.501715	3.85E-31	0.433435	8.23E-23	0.279482	7.93E-10	0.506791	7.72E-32	0.267851
0.871002	#####	0.482939	1.16E-28	0.631902	2.01E-53	0.212253	3.70E-06	0.174019
0.898145	#####	0.579247	3.38E-43	0.719531	1.19E-75	0.276717	1.18E-09	0.220142
0.59614	2.84E-46	0.356039	2.11E-15	0.289696	1.76E-10	0.403217	1.10E-19	0.208947
0.822007	#####	0.576353	1.09E-42	0.719738	1.03E-75	0.263784	7.12E-09	0.201891
0.904013	#####	0.553297	8.30E-39	0.772236	1.19E-93	0.198815	1.50E-05	0.184402
0.936927	#####	0.595611	3.57E-46	0.751865	3.72E-86	0.278289	9.41E-10	0.262268
0.503938	1.91E-31	0.282765	4.92E-10	0.230507	4.76E-07	0.322056	9.90E-13	0.260536

0.740412	2.96E-82	0.672578	8.69E-63	0.616775	2.76E-50	0.519337	1.30E-33	0.413793
0.857223	#####	0.50631	9.00E-32	0.64945	2.75E-57	0.241302	1.30E-07	0.220611
0.672208	1.07E-62	0.665137	5.79E-61	0.613619	1.18E-49	0.518805	1.55E-33	0.586026
0.601273	3.04E-47	0.305473	1.52E-11	0.327231	4.07E-13	0.224886	9.11E-07	0.375751
0.79634	#####	0.631827	2.09E-53	0.696553	4.82E-69	0.402981	1.16E-19	0.277608
0.77478	1.22E-94	0.652637	5.13E-58	0.718778	2.01E-75	0.397879	3.64E-19	0.282883
0.811156	#####	0.683676	1.31E-65	0.85519	#####	0.313632	4.06E-12	0.274159
0.873268	#####	0.348141	9.42E-15	0.497649	1.37E-30	0.147766	0.00136	0.161392
0.759506	7.03E-89	0.512871	1.09E-32	0.528381	6.12E-35	0.372755	7.68E-17	0.314682
0.472944	2.11E-27	0.336913	7.37E-14	0.257023	1.76E-08	0.350833	5.68E-15	0.370519
0.79506	#####	0.591126	2.43E-45	0.722799	1.21E-76	0.286693	2.76E-10	0.312612
0.752078	3.13E-86	0.617229	2.23E-50	0.724341	4.06E-77	0.336925	7.36E-14	0.244202
0.702512	1.07E-70	0.580354	2.15E-43	0.75602	1.26E-87	0.222184	1.24E-06	0.334073
0.803729	#####	0.636413	2.16E-54	0.751792	3.94E-86	0.3682	1.93E-16	0.25671
0.402411	1.32E-19	0.143321	0.0019	0.147202	0.00142	0.166643	0.0003	0.050495
0.814347	#####	0.448978	1.52E-24	0.617933	1.61E-50	0.176701	0.00012	0.16852
0.580718	1.86E-43	0.423943	8.55E-22	0.506401	8.74E-32	0.255802	2.06E-08	0.164569
0.869782	#####	0.496908	1.72E-30	0.543794	2.71E-37	0.349668	7.07E-15	0.225086
0.804592	#####	0.423374	9.81E-22	0.400831	1.88E-19	0.384299	6.96E-18	0.240343
0.703221	6.78E-71	0.539342	1.33E-36	0.734536	2.47E-80	0.151828	0.001	0.298346
0.932096	#####	0.652847	4.59E-58	0.750425	1.18E-85	0.383906	7.56E-18	0.279228
0.445971	3.34E-24	0.177828	0.00011	0.147203	0.00142	0.215168	2.70E-06	0.085112
0.906807	#####	0.714167	4.75E-74	0.793472	#####	0.44028	1.45E-23	0.328764
0.383198	8.79E-18	0.289515	1.81E-10	0.308776	8.96E-12	0.19258	2.79E-05	0.140658
0.637034	1.58E-54	0.498144	1.17E-30	0.591667	1.93E-45	0.266513	4.91E-09	0.198207
0.621477	3.05E-51	0.230567	4.72E-07	0.188525	4.13E-05	0.25937	1.29E-08	0.133371
0.47244	2.44E-27	0.402598	1.27E-19	0.461403	5.35E-26	0.222764	1.16E-06	0.174229
0.860311	#####	0.542643	4.10E-37	0.62298	1.49E-51	0.358596	1.29E-15	0.236114
0.766452	1.91E-91	0.621687	2.76E-51	0.840337	#####	0.212298	3.69E-06	0.200091
0.7907	#####	0.575116	1.80E-42	0.731483	2.35E-79	0.261707	9.43E-09	0.250765
0.775039	9.64E-95	0.598189	1.17E-46	0.642545	9.78E-56	0.371568	9.78E-17	0.526421
0.875565	#####	0.497757	1.32E-30	0.601121	3.25E-47	0.276372	1.24E-09	0.198382
0.827986	#####	0.344825	1.74E-14	0.500028	6.52E-31	0.126501	0.00619	0.115194
0.50362	2.11E-31	0.252922	3.00E-08	0.264219	6.72E-09	0.182304	7.42E-05	0.383323
0.643164	7.13E-56	0.444557	4.82E-24	0.502032	3.48E-31	0.283923	4.15E-10	0.308371
0.637774	1.09E-54	0.434173	6.84E-23	0.526819	1.04E-34	0.238554	1.82E-07	0.189156
0.871296	#####	0.659118	1.58E-59	0.745247	7.07E-84	0.408286	3.46E-20	0.294136
0.662465	2.54E-60	0.549489	3.40E-38	0.577299	7.46E-43	0.361199	7.74E-16	0.277403
0.431465	1.35E-22	0.263416	7.49E-09	0.357769	1.51E-15	0.113909	0.01378	0.14192
0.155141	0.00077	0.301193	3.00E-11	0.212949	3.44E-06	0.278645	8.94E-10	0.336432
0.390835	1.71E-18	0.200935	1.21E-05	0.230047	5.02E-07	0.123362	0.00761	0.130593
0.590969	2.60E-45	0.357851	1.48E-15	0.516342	3.49E-33	0.096426	0.03725	0.370288
0.82632	#####	0.446182	3.16E-24	0.630356	4.29E-53	0.162077	0.00044	0.136899
0.806594	#####	0.567612	3.51E-41	0.677807	4.22E-64	0.33678	7.55E-14	0.260043
0.828376	#####	0.498103	1.19E-30	0.679171	1.90E-64	0.210212	4.61E-06	0.193984

0.526789	1.05E-34	0.238316	1.87E-07	0.323823	7.32E-13	0.119887	0.00951	0.105633
0.93577	#####	0.670197	3.37E-62	0.79877	#####	0.371665	9.59E-17	0.305686
0.434947	5.63E-23	0.361858	6.80E-16	0.369069	1.62E-16	0.242768	1.09E-07	0.241931
0.885217	#####	0.698361	1.53E-69	0.774694	1.32E-94	0.445587	3.69E-24	0.320672
0.672918	7.15E-63	0.553196	8.62E-39	0.53271	1.37E-35	0.460739	6.42E-26	0.284258
0.648668	4.14E-57	0.712175	1.83E-73	0.608286	1.34E-48	0.606649	2.80E-48	0.412165
0.628465	1.08E-52	0.505795	1.06E-31	0.633428	9.50E-54	0.238172	1.91E-07	0.210852
0.847955	#####	0.547951	5.97E-38	0.794466	#####	0.152817	0.00092	0.170726
0.562411	2.64E-40	0.373084	7.18E-17	0.509497	3.24E-32	0.118929	0.0101	0.124571
0.771107	3.25E-93	0.510517	2.33E-32	0.657179	4.53E-59	0.220306	1.53E-06	0.190284
0.929621	#####	0.546841	8.96E-38	0.743173	3.54E-83	0.211561	3.99E-06	0.212338
0.666714	2.40E-61	0.435852	4.48E-23	0.620852	4.09E-51	0.127838	0.00567	0.11711
0.376728	3.40E-17	0.277582	1.04E-09	0.372771	7.66E-17	0.099082	0.0323	0.139625
0.456642	1.96E-25	0.474724	1.27E-27	0.427718	3.40E-22	0.385377	5.53E-18	0.373831
0.928288	#####	0.562913	2.17E-40	0.673299	5.75E-63	0.319291	1.58E-12	0.250028
0.416616	4.95E-21	0.275405	1.42E-09	0.350804	5.71E-15	0.159943	0.00052	0.101795
0.790058	#####	0.44074	1.29E-23	0.546633	9.67E-38	0.245833	7.41E-08	0.210179
0.662058	3.18E-60	0.177491	0.00012	0.206677	6.70E-06	0.156993	0.00066	0.078103
0.702398	1.15E-70	0.404991	7.36E-20	0.60543	4.82E-48	0.114384	0.01339	0.12315
0.666712	2.40E-61	0.429625	2.12E-22	0.635851	2.86E-54	0.102411	0.0269	0.183385
0.685213	5.22E-66	0.556969	2.09E-39	0.729069	1.37E-78	0.21992	1.60E-06	0.282
0.822489	#####	0.425853	5.37E-22	0.60389	9.56E-48	0.173044	0.00017	0.147664
0.390652	1.78E-18	0.211025	4.23E-06	0.268047	3.98E-09	0.100052	0.03064	0.124989
0.813294	#####	0.665335	5.19E-61	0.76941	1.45E-92	0.362564	5.92E-16	0.373724
0.720885	4.64E-76	0.631279	2.73E-53	0.675904	1.28E-63	0.39426	8.10E-19	0.427072
0.844784	#####	0.693735	2.82E-68	0.774201	2.05E-94	0.403704	9.86E-20	0.495513
0.904312	#####	0.452758	5.56E-25	0.658838	1.84E-59	0.142535	0.00202	0.137159
0.755939	1.35E-87	0.621284	3.34E-51	0.776768	2.01E-95	0.272449	2.16E-09	0.299918
0.386055	4.79E-18	0.236938	2.21E-07	0.37116	1.06E-16	0.026937	0.56147	0.054451
0.34289	2.49E-14	0.211862	3.86E-06	0.276129	1.28E-09	0.089919	0.05215	0.082995
0.474286	1.44E-27	0.300617	3.29E-11	0.404285	8.64E-20	0.128811	0.00531	0.126211
0.595012	4.62E-46	0.547288	7.61E-38	0.622141	2.23E-51	0.294362	8.67E-11	0.341928
0.899767	#####	0.544861	1.84E-37	0.710244	6.67E-73	0.246007	7.25E-08	0.212172
0.578732	4.17E-43	0.431308	1.40E-22	0.509358	3.39E-32	0.230599	4.70E-07	0.189552
0.432871	9.48E-23	0.35581	2.20E-15	0.424183	8.06E-22	0.190632	3.37E-05	0.137595
0.481569	1.74E-28	0.336282	8.26E-14	0.445691	3.59E-24	0.13801	0.0028	0.119704
0.657907	3.05E-59	0.567493	3.68E-41	0.659689	1.16E-59	0.315501	2.98E-12	0.229803
0.464632	2.19E-26	0.406038	5.79E-20	0.458246	1.27E-25	0.22217	1.24E-06	0.36215
0.606614	2.84E-48	0.57033	1.21E-41	0.671116	2.00E-62	0.292281	1.19E-10	0.276006
0.68044	8.98E-65	0.520284	9.45E-34	0.542052	5.06E-37	0.345376	1.58E-14	0.503583
0.76293	3.92E-90	0.514019	7.48E-33	0.554335	5.63E-39	0.348721	8.45E-15	0.299351
0.909043	#####	0.571557	7.43E-42	0.711474	2.93E-73	0.277247	1.09E-09	0.215036
0.465413	1.77E-26	0.302045	2.63E-11	0.431342	1.39E-22	0.068515	0.1393	0.195658
0.664178	9.86E-61	0.177908	0.00011	0.218862	1.80E-06	0.133911	0.00374	0.07824
0.462502	3.95E-26	0.298056	4.91E-11	0.434183	6.83E-23	0.086925	0.06052	0.100753

0.579573	2.96E-43	0.139219	0.00257	0.162099	0.00044	0.117179	0.01127	0.063036
0.706312	9.02E-72	0.467829	8.99E-27	0.515208	5.07E-33	0.310906	6.34E-12	0.253471
0.576955	8.57E-43	0.305916	1.42E-11	0.478408	4.38E-28	0.083295	0.07212	0.067164
0.569404	1.74E-41	0.279684	7.70E-10	0.41161	1.60E-20	0.089772	0.05254	0.070709
0.781289	3.09E-97	0.593165	1.02E-45	0.769936	9.14E-93	0.220265	1.54E-06	0.235339
0.645889	1.76E-56	0.267966	4.02E-09	0.274155	1.70E-09	0.25356	2.76E-08	0.197136
0.684489	8.06E-66	0.445037	4.26E-24	0.56074	5.00E-40	0.216552	2.32E-06	0.190472
0.633098	1.12E-53	0.293454	9.96E-11	0.286967	2.65E-10	0.264038	6.88E-09	0.193904
0.536067	4.24E-36	0.384162	7.16E-18	0.504008	1.87E-31	0.149137	0.00123	0.144303
0.911872	#####	0.738283	1.49E-81	0.893208	#####	0.371913	9.12E-17	0.294155
0.520896	7.71E-34	0.318662	1.76E-12	0.483267	1.06E-28	0.088397	0.05628	0.088963
0.658421	2.31E-59	0.4861	4.56E-29	0.457271	1.65E-25	0.377053	3.18E-17	0.560896
0.661126	5.30E-60	0.559217	8.94E-40	0.695795	7.76E-69	0.246765	6.59E-08	0.259571
0.395859	5.70E-19	0.273808	1.78E-09	0.250638	4.03E-08	0.226474	7.60E-07	0.344932
0.816024	#####	0.736459	5.88E-81	0.692776	5.12E-68	0.597519	1.56E-46	0.422806
0.64171	1.50E-55	0.667224	1.80E-61	0.654288	2.13E-58	0.49106	1.03E-29	0.366
0.522125	5.11E-34	0.322324	9.46E-13	0.454767	3.25E-25	0.113374	0.01423	0.164151
0.394345	7.96E-19	0.238007	1.94E-07	0.277828	1.01E-09	0.159972	0.00052	0.140685
0.850623	#####	0.554885	4.59E-39	0.621984	2.40E-51	0.343066	2.41E-14	0.46201
0.942299	#####	0.514464	6.47E-33	0.68564	4.03E-66	0.228732	5.85E-07	0.192123
0.634067	6.93E-54	0.428846	2.58E-22	0.516016	3.89E-33	0.248069	5.59E-08	0.245803
0.511435	1.73E-32	0.345689	1.49E-14	0.375763	4.15E-17	0.229417	5.40E-07	0.20395
0.60492	6.05E-48	0.530702	2.75E-35	0.556979	2.09E-39	0.345471	1.55E-14	0.50644
0.403059	1.14E-19	0.280591	6.75E-10	0.329811	2.60E-13	0.165867	0.00032	0.151159
0.618795	1.07E-50	0.409212	2.79E-20	0.477384	5.90E-28	0.252351	3.23E-08	0.17978
0.752438	2.34E-86	0.401963	1.46E-19	0.550875	2.04E-38	0.17706	0.00012	0.150896
0.356943	1.77E-15	0.273978	1.74E-09	0.33856	5.48E-14	0.150775	0.00108	0.115389
0.879653	#####	0.731992	1.62E-79	0.866932	#####	0.367069	2.42E-16	0.334719
0.85583	#####	0.508876	3.96E-32	0.685357	4.78E-66	0.216226	2.40E-06	0.183248
0.899747	#####	0.631968	1.95E-53	0.733543	5.16E-80	0.374675	5.19E-17	0.364303
0.688574	6.80E-67	0.40081	1.89E-19	0.506121	9.56E-32	0.216524	2.33E-06	0.21718
0.450399	1.04E-24	0.292392	1.17E-10	0.352745	3.95E-15	0.178127	0.00011	0.351919
0.639145	5.49E-55	0.660815	6.28E-60	0.626441	2.86E-52	0.509636	3.10E-32	0.379193
0.379657	1.85E-17	0.235037	2.78E-07	0.320306	1.33E-12	0.088718	0.05538	0.075238
0.846131	#####	0.751984	3.38E-86	0.803047	#####	0.47805	4.86E-28	0.389317
0.522873	3.97E-34	0.3193	1.58E-12	0.46154	5.15E-26	0.116587	0.01169	0.104845
0.68706	1.71E-66	0.386694	4.18E-18	0.478374	4.43E-28	0.218362	1.90E-06	0.149474
0.29168	1.30E-10	0.25305	2.95E-08	0.295615	7.15E-11	0.12896	0.00525	0.182344
0.913968	#####	0.65986	1.06E-59	0.827185	#####	0.315369	3.04E-12	0.267146
0.559739	7.33E-40	0.534859	6.48E-36	0.590678	2.94E-45	0.316007	2.74E-12	0.220808
0.780716	5.28E-97	0.570097	1.32E-41	0.679437	1.62E-64	0.326438	4.67E-13	0.215261
0.691769	9.55E-68	0.654008	2.48E-58	0.564853	1.03E-40	0.598328	1.10E-46	0.367277
0.640644	2.57E-55	0.364523	4.02E-16	0.479087	3.60E-28	0.174748	0.00015	0.223064
0.46638	1.35E-26	0.326474	4.64E-13	0.419693	2.38E-21	0.136367	0.00315	0.104058
0.873112	#####	0.477832	5.18E-28	0.639699	4.15E-55	0.208016	5.82E-06	0.174738

0.591858	1.78E-45	0.306261	1.34E-11	0.450068	1.14E-24	0.128058	0.00558	0.164184
0.423055	1.06E-21	0.308319	9.65E-12	0.373288	6.89E-17	0.15644	0.00069	0.259186
0.855539	#####	0.543173	3.39E-37	0.604505	7.28E-48	0.36265	5.82E-16	0.239292
0.936709	#####	0.540887	7.68E-37	0.742055	8.39E-83	0.204956	8.02E-06	0.20492
0.801857	#####	0.603038	1.39E-47	0.755805	1.51E-87	0.283675	4.31E-10	0.27808
0.842801	#####	0.715756	1.61E-74	0.828653	#####	0.393257	1.01E-18	0.335933
0.411744	1.55E-20	0.278925	8.59E-10	0.316667	2.45E-12	0.166459	0.0003	0.241622
0.768084	4.63E-92	0.530889	2.58E-35	0.508104	5.07E-32	0.421727	1.46E-21	0.251101
0.678711	2.49E-64	0.55823	1.30E-39	0.66477	7.10E-61	0.274817	1.54E-09	0.241404
0.904572	#####	0.490023	1.41E-29	0.675945	1.25E-63	0.192257	2.88E-05	0.200217
0.800025	#####	0.528571	5.73E-35	0.689361	4.20E-67	0.231376	4.29E-07	0.18149
0.587331	1.20E-44	0.289166	1.91E-10	0.308182	9.87E-12	0.203322	9.49E-06	0.11691
0.518716	1.59E-33	0.461433	5.31E-26	0.488767	2.05E-29	0.291311	1.38E-10	0.31283
0.750165	1.45E-85	0.649725	2.38E-57	0.801656	#####	0.303562	2.07E-11	0.34171
0.850476	#####	0.766744	1.49E-91	0.821967	#####	0.488005	2.58E-29	0.38427
0.529275	4.50E-35	0.453575	4.47E-25	0.478614	4.13E-28	0.280613	6.73E-10	0.495258
0.58412	4.58E-44	0.488942	1.95E-29	0.385953	4.89E-18	0.471291	3.38E-27	0.420009
0.470818	3.87E-27	0.381182	1.34E-17	0.482079	1.50E-28	0.181815	7.77E-05	0.191907
0.663085	1.80E-60	0.599901	5.55E-47	0.454995	3.05E-25	0.599986	5.34E-47	0.331788
0.548504	4.88E-38	0.471185	3.49E-27	0.445414	3.86E-24	0.376571	3.51E-17	0.237582
0.730194	6.03E-79	0.452553	5.88E-25	0.619685	7.08E-51	0.182359	7.38E-05	0.160882
0.831456	#####	0.601771	2.44E-47	0.813069	#####	0.210731	4.36E-06	0.3268
0.497164	1.59E-30	0.408035	3.67E-20	0.449376	1.37E-24	0.25251	3.17E-08	0.41096
0.417797	3.74E-21	0.33194	1.79E-13	0.427856	3.29E-22	0.152441	0.00095	0.129074
0.904721	#####	0.484822	6.67E-29	0.648456	4.63E-57	0.211901	3.85E-06	0.188973
0.826161	#####	0.511293	1.82E-32	0.473406	1.85E-27	0.434484	6.33E-23	0.31669
0.792306	#####	0.778518	4.03E-96	0.675163	1.96E-63	0.670639	2.63E-62	0.435009
0.735703	1.03E-80	0.552958	9.41E-39	0.6311	2.98E-53	0.328291	3.39E-13	0.265164
0.880349	#####	0.469623	5.42E-27	0.559127	9.25E-40	0.28868	2.05E-10	0.200312
0.705552	1.48E-71	0.45601	2.32E-25	0.59034	3.39E-45	0.210378	4.53E-06	0.181955
0.802533	#####	0.556677	2.34E-39	0.555582	3.53E-39	0.399283	2.67E-19	0.315049
0.439728	1.67E-23	0.239215	1.68E-07	0.345167	1.64E-14	0.085336	0.06539	0.074716
0.717396	5.22E-75	0.669057	6.43E-62	0.75505	2.80E-87	0.383264	8.67E-18	0.323273
0.748705	4.65E-85	0.682316	2.95E-65	0.636645	1.92E-54	0.517341	2.51E-33	0.563486
0.396424	5.03E-19	0.211638	3.96E-06	0.269524	3.24E-09	0.107375	0.02029	0.032873
0.679891	1.24E-64	0.401229	1.72E-19	0.45682	1.87E-25	0.249466	4.68E-08	0.235651
0.433386	8.34E-23	0.261184	1.01E-08	0.380054	1.70E-17	0.085795	0.06396	0.084027
0.725662	1.58E-77	0.466566	1.28E-26	0.53706	2.99E-36	0.312119	5.20E-12	0.250722
0.493452	4.96E-30	0.254953	2.30E-08	0.351563	4.95E-15	0.111581	0.01585	0.093106
0.35654	1.91E-15	0.237186	2.15E-07	0.258945	1.36E-08	0.141725	0.00214	0.097205
0.499299	8.18E-31	0.235697	2.57E-07	0.289252	1.88E-10	0.142901	0.00196	0.109576
0.406305	5.45E-20	0.186959	4.80E-05	0.243212	1.03E-07	0.094501	0.04122	0.128822
0.634584	5.36E-54	0.457378	1.60E-25	0.494367	3.75E-30	0.311233	6.01E-12	0.267802
0.653223	3.76E-58	0.260037	1.18E-08	0.349657	7.09E-15	0.144638	0.00173	0.131501
0.421444	1.56E-21	0.201571	1.14E-05	0.280776	6.57E-10	0.085907	0.06361	0.075511

0.474337	1.42E-27	0.360621	8.66E-16	0.35245	4.18E-15	0.264528	6.44E-09	0.170629
0.396975	4.45E-19	0.231996	3.99E-07	0.291507	1.34E-10	0.11294	0.01461	0.086989
0.374631	5.23E-17	0.247223	6.22E-08	0.31502	3.22E-12	0.099313	0.03189	0.108042
0.610539	4.84E-49	0.563154	1.98E-40	0.517617	2.29E-33	0.438942	2.05E-23	0.495903
0.601871	2.34E-47	0.466906	1.16E-26	0.572804	4.53E-42	0.219034	1.76E-06	0.203574
0.727938	3.09E-78	0.6067	2.73E-48	0.67815	3.45E-64	0.360838	8.30E-16	0.276197
0.381662	1.21E-17	0.055445	0.23174	0.056377	0.22398	0.057833	0.21222	0.025987
0.379855	1.77E-17	0.14525	0.00165	0.222607	1.18E-06	0.047479	0.3059	0.058914
0.925138	#####	0.502735	2.79E-31	0.649906	2.17E-57	0.242071	1.18E-07	0.196883
0.880847	#####	0.557789	1.54E-39	0.739998	4.05E-82	0.223668	1.05E-06	0.246091
0.630166	4.71E-53	0.480348	2.49E-28	0.654463	1.94E-58	0.154116	0.00083	0.183273
0.649379	2.86E-57	0.449369	1.37E-24	0.536792	3.29E-36	0.226154	7.88E-07	0.452866
0.818843	#####	0.680671	7.84E-65	0.765887	3.11E-91	0.39055	1.82E-18	0.294542
0.555045	4.32E-39	0.387376	3.61E-18	0.441146	1.16E-23	0.220139	1.56E-06	0.461443
0.659037	1.66E-59	0.618963	9.94E-51	0.610692	4.51E-49	0.417098	4.41E-21	0.497479
0.909754	#####	0.465806	1.58E-26	0.6241	8.77E-52	0.219375	1.70E-06	0.173545
0.464655	2.18E-26	0.347453	1.07E-14	0.384825	6.22E-18	0.229128	5.59E-07	0.230342
0.687299	1.48E-66	0.582533	8.81E-44	0.671421	1.68E-62	0.324114	6.96E-13	0.277146
0.695537	9.13E-69	0.47615	8.43E-28	0.647392	8.06E-57	0.178332	0.00011	0.189531
0.024155	0.6026	0.121395	0.00864	0.061889	0.18184	0.135707	0.0033	0.256568
-0.03002	0.51747	0.166308	0.00031	0.031477	0.49741	0.209715	4.86E-06	0.404304
-0.03453	0.45659	0.13517	0.00343	0.045853	0.32278	0.160427	0.0005	0.289416
-0.00637	0.8908	0.148601	0.00128	0.03796	0.41311	0.189528	3.75E-05	0.326058
-0.0744	0.10833	-0.00443	0.9239	-0.07177	0.1214	0.039555	0.39375	0.001364
-0.01955	0.67341	0.116338	0.01187	0.033585	0.46904	0.137795	0.00284	0.245038
-0.05679	0.22062	0.036826	0.42723	-0.00543	0.9069	0.057819	0.21233	0.09843
0.111222	0.01619	0.172417	0.00018	0.102268	0.02711	0.164821	0.00035	0.379141
-0.04136	0.37256	0.06211	0.18028	-0.0009	0.98461	0.086143	0.06288	0.147509
-0.01379	0.76635	0.157914	0.00061	0.024629	0.59549	0.222933	1.14E-06	0.320373
-0.03903	0.40012	0.081944	0.07689	0.012539	0.78696	0.102703	0.02646	0.190353
-0.02317	0.61744	0.076304	0.09958	0.007156	0.87743	0.107214	0.02048	0.153718
0.023367	0.61449	0.166391	0.0003	0.069914	0.13139	0.18894	3.97E-05	0.397898
0.031622	0.49544	0.144992	0.00168	0.084956	0.06661	0.133475	0.00386	0.313385
-0.04651	0.31588	0.081252	0.07942	0.031217	0.50097	0.087135	0.0599	0.111216
-0.14948	0.0012	-0.15541	0.00075	-0.13087	0.00462	-0.13839	0.00273	-0.15451
-0.11872	0.01023	0.048645	0.29417	-0.03965	0.39259	0.090837	0.04978	0.212004
-0.0606	0.19109	0.041306	0.37313	0.00332	0.94295	0.050413	0.27695	0.054503
-0.02092	0.65202	0.034793	0.4532	-0.00149	0.97442	0.045431	0.32726	0.1651
0.04345	0.34881	0.071747	0.12155	0.02376	0.60854	0.085759	0.06407	0.187624
0.011406	0.80582	0.177961	0.00011	0.060511	0.19177	0.209526	4.96E-06	0.385798
0.066803	0.14948	0.109271	0.01817	0.082243	0.07581	0.096117	0.03786	0.257045
-0.00493	0.9154	0.157417	0.00064	0.089645	0.05287	0.157711	0.00063	0.326948
-0.00088	0.98484	0.154084	0.00084	0.035291	0.44676	0.201972	1.09E-05	0.298089
-0.03508	0.44949	0.117247	0.01122	0.034591	0.45582	0.135251	0.00341	0.303712
-0.04265	0.35782	0.053828	0.24566	0.000493	0.99152	0.081477	0.07859	0.13148

-0.01171	0.80079	0.153985	0.00084	0.059593	0.19861	0.176275	0.00013	0.293086
-0.08993	0.05212	-0.02311	0.61838	-0.07172	0.12169	0.01287	0.78147	0.023829
-0.14535	0.00164	-0.05154	0.26631	-0.1093	0.01814	0.002758	0.9526	-0.01951
-0.1294	0.0051	-0.03395	0.4642	-0.06955	0.13344	-0.0209	0.65242	-0.02862
-0.07216	0.11942	0.092166	0.04652	-0.00413	0.92913	0.121423	0.00862	0.248961
-0.05168	0.26499	0.017056	0.71315	0.008836	0.84896	0.011543	0.80352	0.085097
-0.0996	0.0314	0.101389	0.02847	-0.00513	0.91205	0.141167	0.00223	0.261448
-0.06261	0.17681	0.10224	0.02715	0.018754	0.68604	0.123835	0.00738	0.303355
0.041386	0.37221	0.170688	0.00021	0.060115	0.1947	0.19541	2.11E-05	0.415452
0.073758	0.11142	0.164643	0.00035	0.09581	0.03848	0.168507	0.00025	0.275162
-0.0292	0.52906	0.08171	0.07773	0.023607	0.61085	0.098448	0.03342	0.194341
-0.03335	0.47212	0.130646	0.00469	0.060453	0.1922	0.130725	0.00466	0.203707
-0.06288	0.17489	0.075904	0.10137	0.009144	0.84377	0.104351	0.02412	0.245173
0.036752	0.42816	0.227055	7.11E-07	0.105564	0.02252	0.248825	5.07E-08	0.466994
-0.04359	0.34722	-0.04773	0.30338	-0.0409	0.37787	-0.05733	0.21627	-0.00384
-0.05923	0.20137	0.039441	0.39512	-0.00751	0.87149	0.044481	0.33749	0.143112
-0.07619	0.10006	0.123805	0.00739	0.031271	0.50023	0.138791	0.00265	0.292963
-0.05285	0.25436	0.079598	0.08575	0.013414	0.7725	0.11129	0.01613	0.134808
0.020362	0.66074	0.157132	0.00066	0.048898	0.29166	0.179558	9.55E-05	0.387487
-0.01438	0.75665	0.110799	0.0166	0.013507	0.77096	0.155905	0.00072	0.200692
-0.04476	0.33443	0.052865	0.25422	-0.01905	0.68137	0.083964	0.06986	0.177094
0.034471	0.45739	0.201168	1.18E-05	0.105684	0.02236	0.202157	1.07E-05	0.406811
-0.02905	0.53116	0.066853	0.14917	0.023705	0.60937	0.077107	0.09605	0.205903
-0.07072	0.127	0.016703	0.71884	-0.0554	0.23212	0.06076	0.18995	0.188955
-0.00727	0.87549	0.160175	0.00051	0.074319	0.10872	0.163583	0.00039	0.342158
-0.00114	0.98047	0.047278	0.30796	0.012977	0.77971	0.047309	0.30764	0.104346
0.012066	0.79482	0.204771	8.17E-06	0.084648	0.0676	0.225216	8.78E-07	0.370073
-0.01121	0.80912	0.196081	1.98E-05	0.078978	0.08823	0.218621	1.85E-06	0.432864
-0.0131	0.77766	0.136157	0.0032	0.041201	0.37435	0.156466	0.00069	0.341601
-0.09551	0.0391	0.048603	0.29458	-0.02587	0.57714	0.078114	0.09177	0.20151
-0.11185	0.0156	0.091605	0.04788	-0.01982	0.66927	0.14515	0.00166	0.25414
-0.04078	0.37923	0.007586	0.87013	-0.02865	0.53688	0.034727	0.45406	-0.03566
0.00648	0.88892	0.201486	1.15E-05	0.047071	0.31009	0.262866	8.07E-09	0.388373
0.003741	0.93573	0.131438	0.00444	0.050175	0.27923	0.145374	0.00163	0.281795
-0.11448	0.0133	-0.02172	0.6397	-0.08898	0.05466	0.024309	0.60029	-0.02305
-0.01249	0.78773	0.112188	0.01528	0.033145	0.4749	0.130392	0.00477	0.186711
-0.04423	0.34023	-0.00475	0.91851	-0.03944	0.39519	0.016554	0.72124	0.027063
-0.05388	0.24517	0.095088	0.03997	0.009499	0.83779	0.127587	0.00576	0.191396
0.053715	0.24665	0.245012	8.21E-08	0.106895	0.02086	0.271514	2.46E-09	0.480051
0.036052	0.43701	0.163978	0.00037	0.056058	0.22662	0.185165	5.68E-05	0.430604
-0.06691	0.14886	0.091812	0.04737	-0.01709	0.71262	0.147943	0.00135	0.294963
-0.07066	0.12731	0.065569	0.15716	-0.00324	0.94427	0.093592	0.04322	0.182646
0.038228	0.40982	0.191413	3.13E-05	0.093281	0.04392	0.208361	5.61E-06	0.380098
-0.04469	0.33526	0.125309	0.0067	0.027233	0.55718	0.156903	0.00067	0.320218
0.001658	0.97149	-0.02351	0.6123	0.017864	0.70021	-0.06149	0.18464	0.012198



-0.00622	0.89328	0.099054	0.03235	0.014272	0.75838	0.136804	0.00305	0.263781
-0.01306	0.77831	0.119232	0.00991	0.046732	0.31358	0.128332	0.00548	0.232052
0.056881	0.21986	0.103494	0.02532	0.021609	0.64138	0.132818	0.00404	0.269505
0.034071	0.46264	0.126801	0.00607	0.111868	0.01558	0.094372	0.0415	0.31309
-0.04388	0.34402	0.10083	0.02936	0.014484	0.75491	0.134238	0.00366	0.234758
-0.0396	0.39324	-0.03386	0.46539	-0.01121	0.8091	-0.06313	0.17324	-0.10569
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-0.0014	0.97599	0.102951	0.0261	0.055947	0.22753	0.085041	0.06633	0.157592
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-0.03483	0.45272	-0.0368	0.42761	-0.01651	0.72196	-0.0506	0.27518	-0.11974
-0.00841	0.85616	0.008115	0.86116	0.001169	0.9799	-0.01944	0.67522	0.01614
-0.01905	0.68129	0.03673	0.42844	0.029103	0.53042	0.008902	0.84785	0.078034
-0.0009	0.98456	0.037595	0.41763	0.076242	0.09985	-0.029	0.53182	-0.01745
-0.04462	0.336	0.016416	0.72347	-0.008	0.86314	0.008739	0.85061	0.039479
0.052777	0.25501	0.023702	0.60942	0.055368	0.23239	-0.03271	0.48073	-0.02308
-0.00306	0.94746	-0.04167	0.36892	-0.00149	0.97434	-0.06877	0.13786	-0.16797
0.024021	0.60461	0.001587	0.97272	0.012144	0.79353	-0.01951	0.67403	-0.07928
-0.02602	0.5748	0.066382	0.15207	0.011264	0.80818	0.064206	0.16599	0.071264
-0.02096	0.65148	-0.06945	0.13397	-0.02582	0.57776	-0.10144	0.02839	-0.24564
-0.05313	0.25185	-0.04973	0.28352	-0.03597	0.43801	-0.06152	0.18448	-0.18873
-0.09694	0.03624	-0.12752	0.00579	-0.10075	0.02948	-0.12994	0.00492	-0.27666
-0.06833	0.14036	-0.06841	0.13994	-0.03907	0.39955	-0.08917	0.05414	-0.18825
-0.00612	0.89508	-0.02789	0.54774	0.003529	0.93937	-0.05628	0.2248	-0.13511
-0.03051	0.51069	-0.05751	0.21483	-0.05143	0.26735	-0.05214	0.26078	-0.14172
-0.02557	0.58146	-0.03686	0.42676	-0.03757	0.41798	-0.02942	0.52599	-0.03809
-0.04343	0.34902	-0.07513	0.10491	-0.01851	0.68984	-0.10924	0.01821	-0.23703
-0.05235	0.25889	-0.1069	0.02086	-0.07356	0.11239	-0.12341	0.00759	-0.23211
-0.00384	0.93406	-0.12885	0.00529	-0.05025	0.27846	-0.14768	0.00137	-0.27567
-0.04052	0.38229	-0.11665	0.01165	-0.06297	0.17428	-0.13602	0.00323	-0.29616
-0.02379	0.60812	-0.13312	0.00395	-0.05256	0.25693	-0.16274	0.00041	-0.3126
-0.03669	0.42894	-0.09136	0.04848	-0.0307	0.50811	-0.13434	0.00363	-0.24052
-0.0883	0.05654	-0.13895	0.00262	-0.08869	0.05545	-0.15066	0.00109	-0.21979
0.068968	0.1367	0.070101	0.13036	0.073475	0.11281	0.037513	0.41864	0.060789
0.035004	0.45047	-0.05886	0.20419	-0.01652	0.72184	-0.08077	0.08124	-0.1514
-0.03462	0.45545	-0.08779	0.05799	-0.03042	0.51193	-0.1215	0.00858	-0.23601
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-0.03643	0.43215	-0.05172	0.26462	-0.02833	0.54139	-0.06442	0.16456	-0.15952
-0.10182	0.02779	-0.09111	0.04911	-0.08379	0.07045	-0.09522	0.0397	-0.16348
-0.06264	0.1766	0.005761	0.90119	-0.00801	0.8629	-0.00325	0.94419	-0.02423
0.044133	0.34129	-0.04993	0.28153	-0.00533	0.90859	-0.08596	0.06344	-0.17894
-0.01018	0.82633	-0.1017	0.02798	-0.08482	0.06703	-0.1007	0.02956	-0.15715
-0.0145	0.75461	0.075329	0.10399	0.035104	0.44917	0.050018	0.28073	0.113861
0.057969	0.21115	-0.00775	0.86727	0.034555	0.45629	-0.05658	0.22228	-0.09859
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0.081126	0.07989	-0.04177	0.36778	0.030739	0.50756	-0.08076	0.08128	-0.21185

0.016257	0.72605	-0.12106	0.00883	0.002547	0.95622	-0.19654	1.89E-05	-0.23275
0.008018	0.8628	-0.03496	0.45101	0.023493	0.61258	-0.06021	0.19401	-0.15611
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0.017587	0.70464	-0.17255	0.00018	-0.05778	0.21267	-0.21571	2.54E-06	-0.28502
-0.05434	0.24117	-0.18676	4.89E-05	-0.11754	0.01102	-0.17269	0.00018	-0.3657
0.074194	0.10932	-0.05645	0.22334	0.063133	0.17319	-0.14135	0.0022	-0.17805
-0.0489	0.29163	-0.13834	0.00274	-0.09816	0.03394	-0.12137	0.00865	-0.25972
0.053574	0.24789	0.018306	0.69316	0.06795	0.1426	-0.02264	0.6256	0.018216
-0.0474	0.30667	-0.09211	0.04666	-0.03533	0.44623	-0.11356	0.01407	-0.30268
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-0.04606	0.32061	-0.14756	0.00138	-0.05983	0.19683	-0.17023	0.00022	-0.32685
-0.16981	0.00023	-0.15611	0.00071	-0.10844	0.01908	-0.14498	0.00168	-0.30307
-0.12969	0.005	-0.14235	0.00204	-0.07777	0.09323	-0.15484	0.00079	-0.25647
-0.02289	0.62173	-0.04983	0.28254	-0.01556	0.73735	-0.05098	0.27161	-0.18447
-0.08354	0.07127	-0.19853	1.55E-05	-0.06592	0.15497	-0.2406	1.42E-07	-0.46682
-0.0134	0.7728	-0.06652	0.1512	-0.02353	0.61199	-0.07292	0.11554	-0.17775
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0.168496	0.00025	-0.01754	0.70542	0.057826	0.21228	-0.05522	0.2336	-0.07466
0.085999	0.06332	0.000352	0.99395	0.097279	0.03559	-0.07413	0.10962	-0.07574
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0.018992	0.68228	-0.11587	0.01222	-0.062	0.18104	-0.10208	0.0274	-0.24042
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0.0617	0.18317	-0.01571	0.73488	0.02036	0.66077	-0.02789	0.54768	-0.2092
0.09299	0.04459	-0.12458	0.00703	0.054487	0.23991	-0.21989	1.60E-06	-0.4081
0.158423	0.00059	0.063411	0.1713	0.113141	0.01443	0.009705	0.83432	-0.06096
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0.035082	0.44945	-0.05253	0.2572	0.051757	0.26432	-0.11753	0.01103	-0.21737
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0.07975	0.08515	-0.0816	0.07815	0.018304	0.69319	-0.1316	0.00439	-0.25367
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0.078455	0.09036	-0.10527	0.0229	0.012561	0.7866	-0.16245	0.00042	-0.26721
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0.033678	0.46781	-0.09457	0.04107	0.000497	0.99146	-0.13819	0.00276	-0.15105
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0.015199	0.74322	-0.08158	0.07821	-0.05221	0.26015	-0.07066	0.12731	-0.17799
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0.00188	0.96769	-0.10981	0.0176	-0.03215	0.48828	-0.12927	0.00514	-0.33762
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0.00851	0.85447	-0.13715	0.00298	-0.0235	0.61249	-0.17582	0.00013	-0.36129
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0.032737	0.48035	-0.07546	0.10337	0.017317	0.70896	-0.10917	0.01828	-0.33609
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0.024613	0.59574	-0.11245	0.01504	-0.00525	0.90984	-0.14497	0.00168	-0.31681
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0.030931	0.50491	-0.07519	0.10464	-0.03586	0.4395	-0.08245	0.07508	-0.10384
-0.01985	0.66873	-0.09458	0.04106	-0.00486	0.91661	-0.13382	0.00377	-0.28747
0.015823	0.73308	-0.0725	0.1177	-0.00082	0.98587	-0.09052	0.0506	-0.16705
0.02318	0.61732	-0.12359	0.0075	-0.03868	0.40428	-0.15068	0.00109	-0.2206
0.02364	0.61035	-0.01293	0.78045	0.062378	0.1784	-0.05987	0.19652	-0.11424
-0.07229	0.11873	-0.20018	1.31E-05	-0.13756	0.00289	-0.19474	2.26E-05	-0.31082
0.126539	0.00618	-0.03266	0.48137	0.06053	0.19163	-0.08922	0.05402	-0.06537
0.043457	0.34874	-0.16366	0.00038	-0.03893	0.40131	-0.21203	3.79E-06	-0.41803
0.037206	0.42246	-0.15312	0.0009	-0.03691	0.42612	-0.2108	4.33E-06	-0.26042
-0.06369	0.16945	-0.14061	0.00232	-0.06933	0.13466	-0.15882	0.00057	-0.33053

-0.03453	0.45667	-0.15372	0.00086	-0.04606	0.32057	-0.20008	1.32E-05	-0.36025
-0.00778	0.86682	-0.20736	6.24E-06	-0.02495	0.59072	-0.29402	9.14E-11	-0.5068
-0.05997	0.19576	-0.23786	1.98E-07	-0.10538	0.02276	-0.26991	3.08E-09	-0.49907
-0.14091	0.00227	-0.17054	0.00021	-0.08406	0.06955	-0.20369	9.14E-06	-0.28875
-0.05713	0.21784	-0.20707	6.43E-06	-0.06727	0.14665	-0.26141	9.80E-09	-0.43634
-0.01891	0.6835	-0.13871	0.00266	-0.0716	0.12231	-0.15656	0.00069	-0.26211
-0.08666	0.06131	-0.19542	2.11E-05	-0.14194	0.00211	-0.1839	6.40E-05	-0.33836
0.164835	0.00035	0.017275	0.70963	0.098837	0.03273	-0.04131	0.37309	-0.0661
0.139697	0.00248	0.002665	0.95419	0.113638	0.01401	-0.07749	0.09439	-0.05657
-0.0124	0.78922	0.110186	0.01722	0.016975	0.71445	0.133048	0.00397	0.363089
-0.07734	0.09506	-0.22125	1.38E-06	-0.10065	0.02964	-0.24265	1.10E-07	-0.4104
-0.05168	0.26502	-0.09658	0.03693	-0.0945	0.04122	-0.07711	0.09605	-0.17684
0.078373	0.0907	-0.0671	0.14768	0.024588	0.59611	-0.10759	0.02004	-0.19368
-0.07542	0.10357	-0.08795	0.05755	-0.06133	0.1858	-0.0835	0.07142	-0.21455
0.062527	0.17736	-0.11945	0.00977	0.010536	0.82036	-0.17281	0.00017	-0.32557
0.062997	0.17412	-0.05836	0.20811	0.031442	0.4979	-0.10541	0.02271	-0.23186
0.001528	0.97374	-0.17082	0.00021	-0.02634	0.57019	-0.23466	2.91E-07	-0.43014
0.172435	0.00018	-0.0379	0.41384	0.076204	0.10002	-0.11373	0.01392	-0.16076
0.055349	0.23256	-0.00752	0.8713	0.071374	0.1235	-0.05519	0.23389	-0.16773
-0.09496	0.04025	-0.12517	0.00676	-0.06353	0.17048	-0.13922	0.00257	-0.24717
0.019418	0.67555	-0.03979	0.39091	0.016402	0.7237	-0.07796	0.09242	-0.14639
0.01442	0.75595	-0.11757	0.011	0.023231	0.61655	-0.18441	6.10E-05	-0.36621
-0.05294	0.25355	-0.1036	0.02517	-0.03077	0.50709	-0.11878	0.0102	-0.25583
-0.06058	0.19127	-0.06721	0.14703	-0.01213	0.79373	-0.09768	0.03484	-0.14808
0.044595	0.33625	-0.09142	0.04834	0.005331	0.90853	-0.14532	0.00164	-0.14705
-0.05856	0.20651	-0.14044	0.00235	-0.05332	0.25017	-0.18173	7.83E-05	-0.26153
-0.02823	0.54286	-0.10682	0.02096	-0.06256	0.17714	-0.11854	0.01035	-0.21034
-0.02244	0.62856	0.006542	0.88787	0.044023	0.34249	-0.01586	0.73241	-0.11154
-0.18562	5.44E-05	-0.2698	3.12E-09	-0.16689	0.00029	-0.27322	1.94E-09	-0.4335
0.034153	0.46155	-0.07493	0.10582	0.006397	0.89033	-0.12282	0.00788	-0.23401
0.009979	0.8297	0.051227	0.26925	0.069538	0.13348	0.027181	0.55793	-0.00692
0.019426	0.67542	-0.07948	0.08623	-0.0033	0.9433	-0.11272	0.01481	-0.18661
0.079432	0.08641	0.048398	0.29663	0.038127	0.41106	0.052138	0.26082	0.151447
-0.0101	0.82768	-0.14269	0.00199	-0.02545	0.58321	-0.18019	9.02E-05	-0.36467
-0.03797	0.41301	-0.14394	0.00182	-0.04439	0.33849	-0.17541	0.00014	-0.36952
-0.07835	0.09078	-0.13666	0.00308	-0.12013	0.00937	-0.0898	0.05247	-0.38427
-0.12187	0.00838	-0.15772	0.00062	-0.09043	0.05082	-0.15992	0.00052	-0.29744
0.009782	0.83302	0.017979	0.69836	0.010697	0.81766	-0.00419	0.92798	0.148993
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-0.0495	0.28577	-0.07985	0.08474	-0.0262	0.57222	-0.10579	0.02223	-0.15214
0.011433	0.80537	-0.08388	0.07015	-0.00563	0.90346	-0.11131	0.01611	-0.19713
-0.03138	0.49871	-0.04138	0.37233	0.004349	0.92532	-0.06669	0.15014	-0.15405
0.02747	0.55375	-0.09259	0.04553	0.025859	0.57725	-0.15315	0.0009	-0.19713
0.035643	0.44223	0.053123	0.25191	0.027644	0.55124	0.062114	0.18025	0.19957
-0.07261	0.11713	-0.10762	0.02001	-0.07854	0.09003	-0.08208	0.07639	-0.28079

0.000428	0.99263	-0.12911	0.0052	-0.02132	0.64587	-0.16804	0.00026	-0.35544
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-0.01066	0.81827	-0.10715	0.02055	-0.01927	0.67787	-0.13474	0.00353	-0.27925
0.030416	0.51203	0.213015	3.41E-06	0.07475	0.10668	0.243859	9.48E-08	0.552148
-0.02043	0.65961	-0.2235	1.07E-06	-0.09523	0.03968	-0.25861	1.43E-08	-0.40884
-0.10263	0.02657	-0.22906	5.63E-07	-0.13336	0.00389	-0.23775	2.01E-07	-0.42898
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-0.1719	0.00019	-0.1557	0.00073	-0.10755	0.02009	-0.17449	0.00015	-0.22067
-0.03605	0.43706	-0.15143	0.00103	-0.10516	0.02305	-0.14486	0.0017	-0.2888
-0.03934	0.39631	0.067779	0.14361	-0.00892	0.84752	0.092454	0.04584	0.278605
0.069052	0.13622	-0.0189	0.68369	0.031622	0.49543	-0.04924	0.2883	-0.03757
0.03983	0.39046	0.019072	0.68101	0.012477	0.78799	0.018856	0.68443	-0.08476
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0.008821	0.84923	-0.10731	0.02037	-0.022	0.63538	-0.14352	0.00187	-0.28419
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0.037576	0.41786	-0.1431	0.00193	-0.04205	0.36457	-0.15764	0.00063	-0.34538
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-0.10944	0.01799	-0.16342	0.00039	-0.08949	0.0533	-0.17833	0.00011	-0.33964
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-0.16677	0.00029	-0.16929	0.00024	-0.12075	0.009	-0.15875	0.00057	-0.30234
-0.01183	0.79875	-0.10726	0.02043	-0.05509	0.23472	-0.10257	0.02667	-0.23473
-0.02917	0.52942	-0.04504	0.33149	-0.00041	0.99289	-0.06041	0.1925	-0.18892
-0.03915	0.39863	-0.18619	5.16E-05	-0.0534	0.2494	-0.23807	1.93E-07	-0.41943
-0.00853	0.85416	-0.18167	7.87E-05	-0.05617	0.22569	-0.21497	2.76E-06	-0.37099
-0.07062	0.12754	-0.11767	0.01093	-0.0338	0.46619	-0.14509	0.00167	-0.31519
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0.041908	0.3662	-0.12067	0.00905	0.01796	0.69868	-0.18105	8.33E-05	-0.40916
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0.056406	0.22374	0.037935	0.41343	0.057778	0.21266	0.021379	0.64493	0.062359
0.006349	0.89116	-0.09615	0.0378	-0.02038	0.66044	-0.11643	0.01181	-0.2975
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0.069635	0.13294	0.075858	0.10157	0.084915	0.06674	0.041947	0.36576	0.060593
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0.051528	0.26645	-0.10096	0.02915	-0.03115	0.50191	-0.12775	0.0057	-0.18948
0.033955	0.46416	-0.01454	0.754	0.016723	0.71851	-0.04127	0.37356	-0.1445
0.107819	0.01978	-0.06969	0.13266	0.011703	0.80085	-0.08434	0.06861	-0.17799
0.016781	0.71759	-0.11188	0.01557	-0.02551	0.5824	-0.13877	0.00265	-0.27758
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0.020406	0.66006	-0.10179	0.02785	0.005235	0.91017	-0.15841	0.00059	-0.21098
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0.044485	0.33745	-0.12642	0.00622	0.024695	0.59451	-0.20691	6.53E-06	-0.36543
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0.081914	0.07699	-0.12881	0.00531	0.007556	0.87063	-0.18494	5.80E-05	-0.39858
0.07153	0.12268	-0.09444	0.04137	0.003239	0.94434	-0.14025	0.00238	-0.26356
-0.09421	0.04186	-0.21894	1.78E-06	-0.10022	0.03036	-0.25705	1.75E-08	-0.38432
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0.076562	0.09843	0.003213	0.9448	0.074287	0.10887	-0.04101	0.37653	-0.03565
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0.034239	0.46043	-0.14398	0.00181	-0.03237	0.48529	-0.18256	7.25E-05	-0.32494
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0.007457	0.87231	0.036752	0.42815	0.008531	0.85412	0.034908	0.4517	0.1673
-0.09249	0.04577	-0.21564	2.56E-06	-0.10287	0.02621	-0.25436	2.49E-08	-0.412
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0.010844	0.8152	0.119151	0.00996	0.027062	0.55965	0.145047	0.00167	0.193801
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0.126089	0.00636	0.057943	0.21135	0.137574	0.00289	-0.02373	0.60905	-0.05238
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0.047353	0.30719	-0.15666	0.00068	0.011698	0.80094	-0.25255	3.15E-08	-0.39969
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0.037904	0.41381	-0.16306	0.0004	-0.02281	0.62291	-0.22126	1.37E-06	-0.45512
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0.055699	0.22961	-0.08636	0.06221	0.020608	0.65691	-0.14237	0.00204	-0.22485
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0.071856	0.12098	-0.04638	0.31723	0.039317	0.3966	-0.08656	0.06162	-0.17425
0.038241	0.40966	-0.14577	0.00159	-0.03271	0.48077	-0.1879	4.39E-05	-0.32564
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0.000242	0.99583	-0.14335	0.0019	-0.00362	0.93785	-0.20711	6.40E-06	-0.41436
0.032263	0.48673	-0.08953	0.05319	-0.01097	0.81302	-0.11084	0.01656	-0.25617
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-0.04621	0.31897	-0.05591	0.22783	-0.00176	0.9698	-0.07386	0.11092	-0.13997
-0.01181	0.79907	0.013879	0.76484	0.05254	0.25715	-0.03275	0.4802	-0.05437
-0.07865	0.08957	-0.10225	0.02715	-0.0471	0.30983	-0.1121	0.01537	-0.18619
0.021845	0.63773	0.010757	0.81665	0.011766	0.79981	0.011558	0.80328	-0.1174
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0.01421	0.7594	-0.17918	9.89E-05	-0.03327	0.47318	-0.23708	2.18E-07	-0.37965
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-0.04984	0.28242	-0.08691	0.06057	-0.02666	0.56548	-0.09752	0.03513	-0.25873
0.026084	0.57393	-0.05886	0.2042	0.037816	0.4149	-0.11983	0.00954	-0.10184
-0.14799	0.00134	-0.12486	0.0069	-0.10253	0.02672	-0.10906	0.0184	-0.27748
-0.04036	0.38419	-0.18162	7.91E-05	-0.06321	0.17264	-0.22063	1.48E-06	-0.41285
-0.12504	0.00682	-0.22003	1.58E-06	-0.15145	0.00103	-0.20934	5.06E-06	-0.45911
-0.0265	0.56779	-0.17138	0.0002	-0.06853	0.13924	-0.20253	1.03E-05	-0.38847
-0.05914	0.20206	-0.1263	0.00628	-0.05932	0.20069	-0.12984	0.00495	-0.29796
-0.17154	0.0002	-0.24546	7.76E-08	-0.13698	0.00302	-0.25974	1.23E-08	-0.43061
-0.17796	0.00011	-0.18549	5.51E-05	-0.09469	0.04083	-0.22133	1.36E-06	-0.3684
0.022041	0.63472	-0.07276	0.11635	0.008657	0.85198	-0.09747	0.03523	-0.29856
-0.15998	0.00052	-0.14722	0.00142	-0.12369	0.00745	-0.14072	0.0023	-0.23565
-0.09132	0.04858	-0.04381	0.34481	-0.00762	0.86957	-0.05845	0.2074	-0.08815
0.059004	0.2031	-0.08696	0.06041	0.029533	0.52435	-0.14967	0.00118	-0.29921
0.089794	0.05248	0.015948	0.73105	0.051856	0.26341	-0.00892	0.84753	-0.01672
0.032521	0.48325	-0.09622	0.03765	0.035552	0.44339	-0.16744	0.00028	-0.20003
0.019165	0.67954	-0.153	0.00091	-0.05571	0.22951	-0.18018	9.02E-05	-0.33118
0.112919	0.01463	-0.00803	0.86254	0.071862	0.12095	-0.06807	0.14187	-0.05534
0.067493	0.14531	-0.11016	0.01725	0.003503	0.93981	-0.16704	0.00029	-0.26033
0.039207	0.39793	0.116071	0.01207	0.051338	0.26822	0.141834	0.00212	0.269491
-0.08345	0.07161	-0.07941	0.08648	-0.03195	0.491	-0.09823	0.03383	-0.18875
-0.0537	0.24679	-0.22351	1.07E-06	-0.12114	0.00878	-0.24312	1.04E-07	-0.38673
0.117643	0.01095	-0.00699	0.88028	0.052576	0.25683	-0.02824	0.54265	-0.07906
0.051828	0.26367	-0.19163	3.06E-05	-0.04653	0.31565	-0.2449	8.32E-08	-0.34428
-0.07217	0.11938	-0.16246	0.00042	-0.08737	0.05922	-0.16805	0.00026	-0.42849
-0.11665	0.01165	-0.21047	4.48E-06	-0.13474	0.00353	-0.23027	4.89E-07	-0.29439
0.013301	0.77435	-0.14558	0.00161	-0.02528	0.58582	-0.18931	3.83E-05	-0.41494
-0.12149	0.00858	-0.07479	0.1065	-0.07278	0.11626	-0.05195	0.26258	-0.059
-0.03649	0.43148	0.029016	0.53165	0.052475	0.25774	0.00273	0.95308	-0.04688
-0.12461	0.00701	-0.19733	1.74E-05	-0.1624	0.00043	-0.15575	0.00073	-0.34891
-0.09816	0.03395	-0.17032	0.00022	-0.08143	0.07877	-0.19482	2.24E-05	-0.29081
-0.03038	0.51256	-0.06428	0.16549	-0.03537	0.4457	-0.07375	0.11149	-0.17884
-0.11222	0.01526	-0.18198	7.65E-05	-0.07736	0.09496	-0.21612	2.43E-06	-0.39264
-0.06208	0.18047	-0.20776	5.98E-06	-0.10941	0.01802	-0.22099	1.42E-06	-0.37332

0.028268	0.54229	-0.0655	0.15759	-0.00251	0.9569	-0.09825	0.03378	-0.24846
-0.07665	0.09803	-0.16382	0.00038	-0.07952	0.08605	-0.19068	3.36E-05	-0.264
-0.0913	0.04862	-0.10427	0.02423	-0.07518	0.10468	-0.09195	0.04704	-0.20846
-0.11019	0.01721	-0.16889	0.00025	-0.1055	0.0226	-0.15449	0.00081	-0.32761
0.080047	0.08399	-0.02481	0.59276	0.042498	0.35949	-0.07042	0.1286	-0.1502
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0.040558	0.38186	-0.1473	0.00141	0.009394	0.83955	-0.22116	1.39E-06	-0.42285
-0.07198	0.12035	-0.08406	0.06955	-0.02488	0.59168	-0.11748	0.01106	-0.2265
0.023898	0.60646	-0.00056	0.99035	0.070403	0.1287	-0.05524	0.23349	-0.15955
0.051257	0.26897	0.038345	0.4084	0.032331	0.48581	0.025451	0.58327	0.196191
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0.071666	0.12197	0.011429	0.80543	0.056722	0.22115	-0.01919	0.67918	-0.10996
-0.11491	0.01296	-0.09723	0.03569	-0.0487	0.29366	-0.099	0.03245	-0.1959
-0.13332	0.0039	-0.2249	9.10E-07	-0.11829	0.01052	-0.24731	6.14E-08	-0.40997
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-0.10987	0.01754	-0.15511	0.00077	-0.11481	0.01304	-0.14018	0.0024	-0.35492
0.007069	0.87891	-0.10034	0.03015	0.005353	0.90816	-0.1499	0.00116	-0.27813
0.012631	0.78544	0.016013	0.72999	0.040092	0.38735	-0.00667	0.88574	-0.09949
0.011913	0.79737	-0.20495	8.02E-06	-0.05802	0.21078	-0.24607	7.19E-08	-0.51036
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0.033307	0.47273	-0.13752	0.0029	-0.02329	0.6157	-0.18074	8.57E-05	-0.40961
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0.046815	0.31273	-0.09316	0.04421	0.001866	0.96791	-0.12902	0.00523	-0.31788
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0.102259	0.02713	-0.0494	0.28673	0.052737	0.25538	-0.10601	0.02195	-0.26198
0.025705	0.57951	-0.17052	0.00021	-0.01241	0.78911	-0.23777	2.00E-07	-0.45882
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0.054311	0.24145	-0.03095	0.50464	-0.00037	0.99357	-0.02053	0.65817	-0.27563
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0.023381	0.61428	-0.04663	0.31464	0.036775	0.42787	-0.08155	0.07833	-0.21814
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0.067904	0.14287	-0.07704	0.09634	0.006412	0.89009	-0.10865	0.01884	-0.27148
0.063759	0.16896	-0.04866	0.29399	0.045894	0.32235	-0.09334	0.04379	-0.19667
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0.023882	0.6067	-0.04179	0.36756	0.017879	0.69997	-0.06714	0.14743	-0.13919
0.019188	0.67918	-0.03253	0.4831	0.022114	0.63361	-0.07378	0.11132	-0.20463
0.082677	0.07427	-0.14332	0.0019	0.00559	0.9041	-0.22152	1.33E-06	-0.30942
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0.117132	0.0113	-0.07659	0.09832	0.039344	0.39628	-0.13801	0.0028	-0.30758
0.030956	0.50456	-0.04114	0.37508	0.050015	0.28076	-0.09535	0.03944	-0.17888
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0.619407	8.07E-51	0.726711	7.48E-78	0.703966	4.18E-71	0.517725	2.21E-33	0.680129
0.181377	8.09E-05	0.43823	2.45E-23	0.204092	8.77E-06	0.524493	2.30E-34	0.746847
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0.135047	0.00346	0.287387	2.49E-10	0.148351	0.0013	0.316664	2.45E-12	0.483566
0.363952	4.50E-16	0.337722	6.37E-14	0.256834	1.80E-08	0.311432	5.82E-12	0.478132
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0.428121	3.08E-22	0.416651	4.91E-21	0.336115	8.51E-14	0.363297	5.12E-16	0.530246
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0.533729	9.62E-36	0.499886	6.81E-31	0.507847	5.51E-32	0.34463	1.81E-14	0.554183
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0.146078	0.00155	0.469912	5.00E-27	0.203957	8.89E-06	0.54729	7.61E-38	0.867328

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0.01094	0.81359	0.033385	0.4717	0.019333	0.6769	0.022413	0.62902	0.374693
0.297945	4.99E-11	0.54325	3.29E-37	0.361434	7.39E-16	0.51489	5.63E-33	0.884405
0.3088	8.93E-12	0.342119	2.87E-14	0.30959	7.86E-12	0.235609	2.60E-07	0.737691
0.541618	5.92E-37	0.631846	2.07E-53	0.495826	2.40E-30	0.552626	1.07E-38	0.773596
0.187527	4.55E-05	0.403973	9.27E-20	0.194725	2.26E-05	0.467878	8.86E-27	0.702799
0.286358	2.90E-10	0.558868	1.02E-39	0.288154	2.22E-10	0.637896	1.03E-54	0.886965
0.171398	0.0002	0.506176	9.39E-32	0.240954	1.36E-07	0.565184	9.04E-41	0.942319
0.137534	0.0029	0.279441	7.97E-10	0.150955	0.00107	0.288557	2.09E-10	0.725508
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0.315428	3.01E-12	0.273264	1.92E-09	0.321412	1.10E-12	0.102834	0.02627	0.634832
0.138674	0.00267	0.289389	1.84E-10	0.122114	0.00825	0.340541	3.83E-14	0.607778
0.195769	2.04E-05	0.47335	1.88E-27	0.228033	6.35E-07	0.53856	1.76E-36	0.794527
0.149424	0.0012	0.457872	1.40E-25	0.203947	8.90E-06	0.520706	8.21E-34	0.903208
0.148636	0.00128	0.443248	6.77E-24	0.203921	8.92E-06	0.510232	2.56E-32	0.847488
0.044528	0.33698	0.09335	0.04377	0.062774	0.17565	0.09317	0.04418	0.336526
0.231404	4.28E-07	0.426316	4.79E-22	0.327786	3.70E-13	0.350698	5.83E-15	0.807335
0.169927	0.00022	0.458515	1.18E-25	0.216762	2.27E-06	0.51145	1.73E-32	0.948072
0.116	0.01212	0.197786	1.67E-05	0.096272	0.03755	0.22136	1.36E-06	0.547591
0.10514	0.02307	0.380523	1.54E-17	0.159886	0.00052	0.443482	6.37E-24	0.715201
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0.520613	8.47E-34	0.519884	1.08E-33	0.513758	8.15E-33	0.343565	2.20E-14	0.587586
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0.216723	2.28E-06	0.538245	1.97E-36	0.298893	4.31E-11	0.561983	3.11E-40	0.967087
0.223866	1.02E-06	0.465523	1.71E-26	0.240315	1.47E-07	0.523897	2.81E-34	0.804555
0.304101	1.90E-11	0.438248	2.44E-23	0.384231	7.06E-18	0.320144	1.37E-12	0.538612
0.162736	0.00041	0.401081	1.78E-19	0.235389	2.67E-07	0.406252	5.52E-20	0.742133
0.402942	1.17E-19	0.604414	7.58E-48	0.481543	1.75E-28	0.498939	9.15E-31	0.793683
0.278177	9.57E-10	0.450318	1.06E-24	0.319391	1.55E-12	0.417202	4.31E-21	0.653914
0.130959	0.00459	0.344748	1.77E-14	0.169903	0.00023	0.364838	3.78E-16	0.888272
0.306451	1.30E-11	0.512039	1.43E-32	0.36712	2.40E-16	0.484703	6.90E-29	0.631749
0.240552	1.43E-07	0.454579	3.42E-25	0.344387	1.89E-14	0.38317	8.84E-18	0.708245
0.112025	0.01543	0.409767	2.46E-20	0.202156	1.07E-05	0.447914	2.01E-24	0.764719
0.05552	0.23111	0.124502	0.00706	0.041905	0.36624	0.169678	0.00023	0.141943
0.185705	5.40E-05	0.352833	3.89E-15	0.223511	1.07E-06	0.35009	6.53E-15	0.56025
0.392089	1.30E-18	0.293758	9.51E-11	0.356161	2.06E-15	0.148298	0.00131	0.470121
0.297928	5.00E-11	0.392679	1.15E-18	0.379578	1.88E-17	0.27184	2.35E-09	0.469828
0.461834	4.75E-26	0.627976	1.36E-52	0.493594	4.75E-30	0.533828	9.30E-36	0.914575
0.056508	0.2229	0.327736	3.73E-13	0.147697	0.00137	0.352726	3.97E-15	0.450888
0.432996	9.19E-23	0.545627	1.39E-37	0.472989	2.09E-27	0.409232	2.78E-20	0.909706
0.151272	0.00104	0.323069	8.33E-13	0.204107	8.75E-06	0.316844	2.38E-12	0.560044
0.658868	1.81E-59	0.717096	6.42E-75	0.659516	1.28E-59	0.565986	6.62E-41	0.624811
0.261976	9.09E-09	0.562961	2.13E-40	0.379628	1.86E-17	0.539576	1.23E-36	0.711559

0.083364	0.07189	0.303264	2.17E-11	0.124805	0.00693	0.379633	1.86E-17	0.542237
0.087422	0.05906	0.179738	9.40E-05	0.104214	0.02431	0.168367	0.00026	0.425593
0.195239	2.15E-05	0.287119	2.59E-10	0.164843	0.00035	0.298914	4.29E-11	0.483427
0.123952	0.00732	0.349684	7.05E-15	0.194082	2.41E-05	0.362521	5.97E-16	0.538266
0.184696	5.94E-05	0.245026	8.19E-08	0.210039	4.69E-06	0.185158	5.69E-05	0.568681
0.131957	0.00428	0.446004	3.31E-24	0.203194	9.62E-06	0.526857	1.03E-34	0.801249
0.53192	1.81E-35	0.648336	4.93E-57	0.446798	2.69E-24	0.630855	3.36E-53	0.871503
0.094028	0.04225	0.31395	3.85E-12	0.13928	0.00256	0.347925	9.81E-15	0.73617
0.249352	4.75E-08	0.463001	3.45E-26	0.288641	2.06E-10	0.474568	1.33E-27	0.752274
0.255762	2.07E-08	0.592157	1.57E-45	0.381888	1.16E-17	0.571533	7.50E-42	0.822704
0.094498	0.04123	0.292619	1.13E-10	0.12454	0.00705	0.358275	1.37E-15	0.624531
0.196209	1.95E-05	0.356571	1.90E-15	0.190318	3.48E-05	0.378918	2.16E-17	0.776184
0.146419	0.00151	0.412906	1.18E-20	0.193741	2.49E-05	0.469416	5.75E-27	0.808949
0.045651	0.32492	0.075681	0.10237	0.052824	0.25459	0.040881	0.37808	0.4349
0.112835	0.0147	0.315762	2.85E-12	0.141068	0.00225	0.346156	1.36E-14	0.64822
0.226612	7.48E-07	0.435706	4.65E-23	0.278885	8.64E-10	0.421297	1.62E-21	0.880632
0.151288	0.00104	0.379931	1.75E-17	0.179551	9.56E-05	0.440668	1.32E-23	0.621222
0.239224	1.68E-07	0.511716	1.58E-32	0.249778	4.49E-08	0.578132	5.32E-43	0.874465
0.167053	0.00029	0.339608	4.53E-14	0.242619	1.11E-07	0.307635	1.08E-11	0.5188
0.225293	8.70E-07	0.57627	1.13E-42	0.324967	6.02E-13	0.600043	5.21E-47	0.950321
0.322793	8.73E-13	0.392454	1.20E-18	0.317338	2.19E-12	0.354529	2.81E-15	0.480872
0.19982	1.36E-05	0.461469	5.26E-26	0.300832	3.18E-11	0.446165	3.17E-24	0.830457
0.151058	0.00106	0.37677	3.37E-17	0.245134	8.08E-08	0.372408	8.25E-17	0.614238
0.057641	0.21375	0.21724	2.15E-06	0.144268	0.00177	0.210596	4.42E-06	0.319357
0.083121	0.07273	0.280636	6.71E-10	0.124122	0.00724	0.326597	4.54E-13	0.65004
0.250677	4.01E-08	0.452884	5.38E-25	0.337324	6.85E-14	0.418963	2.83E-21	0.476973
0.16212	0.00044	0.429981	1.95E-22	0.233146	3.48E-07	0.45069	9.64E-25	0.882657
0.116708	0.0116	0.371995	8.97E-17	0.17724	0.00012	0.409679	2.51E-20	0.86745
0.15557	0.00074	0.394941	6.98E-19	0.222896	1.14E-06	0.405226	6.97E-20	0.844356
0.26131	9.94E-09	0.278064	9.72E-10	0.278651	8.94E-10	0.183123	6.88E-05	0.413292
0.266134	5.17E-09	0.509734	3.00E-32	0.276137	1.28E-09	0.554245	5.83E-39	0.82719
0.28868	2.05E-10	0.67438	3.09E-63	0.402762	1.22E-19	0.720356	6.71E-76	0.76011
0.121019	0.00885	0.356745	1.84E-15	0.184439	6.08E-05	0.393121	1.04E-18	0.451282
0.19047	3.43E-05	0.390245	1.95E-18	0.242733	1.09E-07	0.397223	4.22E-19	0.752337
0.059942	0.19599	0.298925	4.29E-11	0.148241	0.00131	0.328002	3.56E-13	0.598385
0.333353	1.39E-13	0.403402	1.06E-19	0.401416	1.65E-19	0.247319	6.14E-08	0.545319
0.228728	5.85E-07	0.443527	6.30E-24	0.305911	1.42E-11	0.409168	2.82E-20	0.644233
0.072939	0.11547	0.248995	4.97E-08	0.107172	0.02053	0.303522	2.08E-11	0.370865
0.194428	2.33E-05	0.207467	6.16E-06	0.197953	1.64E-05	0.127644	0.00574	0.440129
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0.179259	9.82E-05	0.510772	2.15E-32	0.245572	7.65E-08	0.581479	1.36E-43	0.859295
0.171703	0.00019	0.501826	3.71E-31	0.23207	3.96E-07	0.588879	6.28E-45	0.635514
0.098965	0.0325	0.178426	0.00011	0.139677	0.00248	0.159102	0.00056	0.256693
0.293315	1.02E-10	0.477597	5.54E-28	0.361278	7.62E-16	0.423542	9.42E-22	0.718432
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0.508144	5.01E-32	0.685986	3.27E-66	0.643056	7.54E-56	0.481752	1.65E-28	0.69158
0.40773	3.93E-20	0.293856	9.37E-11	0.33622	8.35E-14	0.184335	6.14E-05	0.408543
0.29512	7.72E-11	0.351039	5.46E-15	0.245961	7.29E-08	0.321592	1.07E-12	0.656185
0.195811	2.03E-05	0.395086	6.76E-19	0.293482	9.92E-11	0.335579	9.36E-14	0.594389
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0.212465	3.62E-06	0.445762	3.52E-24	0.29272	1.11E-10	0.428512	2.80E-22	0.725685
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0.47534	1.06E-27	0.68112	6.01E-65	0.500175	6.23E-31	0.622636	1.76E-51	0.882471
0.117281	0.0112	0.358544	1.30E-15	0.212668	3.54E-06	0.356346	1.99E-15	0.652884
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0.325026	5.96E-13	0.429985	1.94E-22	0.239707	1.58E-07	0.485292	5.80E-29	0.742436
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0.357458	1.60E-15	0.649549	2.61E-57	0.496144	2.17E-30	0.584214	4.40E-44	0.641851
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0.413808	9.59E-21	0.589057	5.82E-45	0.462813	3.63E-26	0.533014	1.23E-35	0.584498
0.40994	2.36E-20	0.64831	5.00E-57	0.502701	2.82E-31	0.566447	5.53E-41	0.697723
0.15374	0.00086	0.402239	1.37E-19	0.219281	1.72E-06	0.411025	1.84E-20	0.841765
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0.171157	0.0002	0.38099	1.40E-17	0.191949	2.97E-05	0.442766	7.67E-24	0.549342
0.106961	0.02078	0.192884	2.71E-05	0.094767	0.04065	0.204942	8.03E-06	0.392178
0.168901	0.00025	0.417105	4.41E-21	0.212752	3.51E-06	0.458919	1.06E-25	0.855421
0.323005	8.42E-13	0.622122	2.25E-51	0.406804	4.86E-20	0.591862	1.78E-45	0.915277
0.340011	4.21E-14	0.409528	2.60E-20	0.373598	6.47E-17	0.277153	1.11E-09	0.502819
0.190444	3.44E-05	0.273537	1.85E-09	0.202564	1.03E-05	0.221393	1.35E-06	0.697525
0.207312	6.27E-06	0.354227	2.98E-15	0.270568	2.81E-09	0.31787	2.01E-12	0.598463
0.178751	0.0001	0.564051	1.40E-40	0.335479	9.53E-14	0.579399	3.18E-43	0.60156
0.192898	2.71E-05	0.433227	8.67E-23	0.254646	2.40E-08	0.427397	3.68E-22	0.750054
0.47109	3.58E-27	0.66673	2.38E-61	0.451574	7.63E-25	0.656885	5.30E-59	0.917785
0.309124	8.47E-12	0.490126	1.36E-29	0.304612	1.75E-11	0.505651	1.11E-31	0.81119
0.183613	6.57E-05	0.407108	4.54E-20	0.249239	4.81E-08	0.389566	2.25E-18	0.673419
0.19001	3.58E-05	0.503843	1.97E-31	0.268662	3.66E-09	0.536959	3.10E-36	0.881601

0.17105	0.0002	0.397018	4.41E-19	0.227707	6.59E-07	0.392367	1.23E-18	0.91875
0.147794	0.00136	0.305497	1.52E-11	0.191256	3.18E-05	0.286478	2.85E-10	0.611668
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0.086734	0.06109	0.27754	1.05E-09	0.148601	0.00128	0.302186	2.57E-11	0.415516
0.400015	2.26E-19	0.49327	5.25E-30	0.316947	2.34E-12	0.506573	8.27E-32	0.8169
0.219766	1.63E-06	0.447725	2.11E-24	0.309791	7.60E-12	0.421486	1.55E-21	0.724874
0.15216	0.00097	0.463568	2.95E-26	0.204384	8.51E-06	0.534227	8.09E-36	0.891723
0.16915	0.00024	0.382991	9.18E-18	0.209443	5.00E-06	0.415049	7.16E-21	0.622849
0.194915	2.22E-05	0.345977	1.41E-14	0.234953	2.81E-07	0.325543	5.45E-13	0.511785
0.158746	0.00057	0.31022	7.09E-12	0.198115	1.61E-05	0.305871	1.43E-11	0.593784
0.151431	0.00103	0.538622	1.72E-36	0.228103	6.29E-07	0.64783	6.42E-57	0.821085
0.352073	4.49E-15	0.585809	2.27E-44	0.443563	6.24E-24	0.501087	4.68E-31	0.901969
0.067992	0.14235	0.271594	2.43E-09	0.11046	0.01694	0.332105	1.74E-13	0.523032
0.516201	3.66E-33	0.611895	2.61E-49	0.518089	1.96E-33	0.502817	2.72E-31	0.715596
0.243757	9.60E-08	0.422472	1.22E-21	0.307828	1.04E-11	0.389134	2.47E-18	0.685588
0.300117	3.56E-11	0.494388	3.73E-30	0.371485	9.95E-17	0.447807	2.06E-24	0.670628
0.244633	8.60E-08	0.54695	8.61E-38	0.337042	7.20E-14	0.573022	4.15E-42	0.595108
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0.270984	2.65E-09	0.552585	1.08E-38	0.319581	1.50E-12	0.581194	1.53E-43	0.877606
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0.259541	1.26E-08	0.466382	1.35E-26	0.338841	5.21E-14	0.440973	1.22E-23	0.500866
0.146045	0.00155	0.282773	4.91E-10	0.216764	2.27E-06	0.242922	1.06E-07	0.488369
0.167369	0.00028	0.322413	9.31E-13	0.232183	3.90E-07	0.287868	2.31E-10	0.447262
0.210308	4.56E-06	0.450684	9.66E-25	0.323822	7.32E-13	0.406234	5.54E-20	0.608538
0.074362	0.10852	0.169279	0.00024	0.097473	0.03522	0.161427	0.00046	0.540854
0.123424	0.00758	0.294826	8.08E-11	0.160293	0.00051	0.316169	2.66E-12	0.60744
0.614021	9.85E-50	0.597391	1.65E-46	0.494892	3.19E-30	0.530845	2.62E-35	0.592815
0.271	2.64E-09	0.257703	1.61E-08	0.227428	6.81E-07	0.209939	4.74E-06	0.388702
0.380453	1.57E-17	0.45992	8.03E-26	0.43171	1.27E-22	0.312396	4.97E-12	0.589936
0.317522	2.13E-12	0.237306	2.12E-07	0.253732	2.70E-08	0.141817	0.00213	0.350208
0.230234	4.91E-07	0.647221	8.81E-57	0.329512	2.74E-13	0.727596	3.96E-78	0.826637
0.367655	2.15E-16	0.481588	1.73E-28	0.361657	7.07E-16	0.433758	7.59E-23	0.545988
0.2313	4.33E-07	0.243793	9.55E-08	0.25353	2.77E-08	0.145097	0.00167	0.368644
0.146	0.00156	0.244759	8.47E-08	0.13155	0.00441	0.282802	4.89E-10	0.239732
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0.285281	3.40E-10	0.523788	2.92E-34	0.346197	1.35E-14	0.502593	2.92E-31	0.860208
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0.239895	1.55E-07	0.386403	4.45E-18	0.291354	1.37E-10	0.350545	6.00E-15	0.556112
-0.0967	0.03671	-0.25421	2.54E-08	-0.17897	0.0001	-0.23354	3.32E-07	-0.37718
0.156659	0.00068	0.292165	1.21E-10	0.190165	3.53E-05	0.280215	7.13E-10	0.425687

-0.08216	0.07612	-0.22172	1.31E-06	-0.11797	0.01073	-0.24554	7.69E-08	-0.42695
0.263724	7.18E-09	0.46546	1.74E-26	0.322042	9.92E-13	0.431005	1.51E-22	0.750409
0.296524	6.22E-11	0.252204	3.29E-08	0.269365	3.32E-09	0.161636	0.00045	0.403083
0.171202	0.0002	0.318175	1.91E-12	0.226124	7.91E-07	0.275116	1.48E-09	0.65491
0.399297	2.66E-19	0.367227	2.35E-16	0.289619	1.78E-10	0.319774	1.46E-12	0.439765
0.345896	1.43E-14	0.375152	4.70E-17	0.380932	1.42E-17	0.216612	2.30E-06	0.677916
0.191968	2.96E-05	0.337701	6.40E-14	0.233808	3.22E-07	0.310759	6.50E-12	0.583883
0.32601	5.03E-13	0.480772	2.20E-28	0.388836	2.64E-18	0.377855	2.69E-17	0.861575
0.143788	0.00184	0.35498	2.58E-15	0.23425	3.05E-07	0.32744	3.93E-13	0.694986
0.132679	0.00408	0.350597	5.94E-15	0.17108	0.0002	0.370149	1.30E-16	0.896153
0.055575	0.23064	0.208046	5.80E-06	0.097856	0.03451	0.255356	2.19E-08	0.388091
0.160056	0.00052	0.494414	3.70E-30	0.223282	1.09E-06	0.560067	6.47E-40	0.899739
-0.00518	0.91111	-0.20393	8.92E-06	-0.08476	0.06723	-0.22747	6.78E-07	-0.32483
0.175415	0.00014	0.373817	6.18E-17	0.237557	2.05E-07	0.366354	2.79E-16	0.48771
0.166008	0.00031	0.375188	4.67E-17	0.220812	1.45E-06	0.377359	2.98E-17	0.647362
0.59162	1.97E-45	0.533016	1.23E-35	0.521081	7.24E-34	0.371476	9.97E-17	0.554882
0.157027	0.00066	0.341795	3.04E-14	0.168418	0.00026	0.409538	2.59E-20	0.565334
0.269852	3.10E-09	0.472296	2.54E-27	0.238074	1.93E-07	0.539492	1.26E-36	0.613299
0.075592	0.10278	0.195946	2.00E-05	0.110011	0.0174	0.189477	3.77E-05	0.508379
0.166267	0.00031	0.398825	2.95E-19	0.212152	3.74E-06	0.460246	7.35E-26	0.509371
0.212187	3.73E-06	0.401852	1.50E-19	0.238424	1.85E-07	0.438469	2.31E-23	0.516111
0.439741	1.67E-23	0.658881	1.80E-59	0.457727	1.46E-25	0.655001	1.46E-58	0.630349
0.138268	0.00275	0.297816	5.09E-11	0.260499	1.11E-08	0.214679	2.85E-06	0.390375
0.138397	0.00272	0.309353	8.16E-12	0.188374	4.19E-05	0.294392	8.63E-11	0.791913
0.286231	2.95E-10	0.438829	2.11E-23	0.3477	1.02E-14	0.36821	1.93E-16	0.800744
0.027413	0.55458	0.06909	0.13601	0.038018	0.4124	0.063198	0.17275	0.296759
0.172375	0.00018	0.501094	4.67E-31	0.218652	1.84E-06	0.617171	2.29E-50	0.574466
0.051896	0.26304	0.072352	0.11843	0.045302	0.32864	0.036123	0.43611	0.311428
0.088299	0.05655	0.26532	5.78E-09	0.146942	0.00145	0.281609	5.82E-10	0.609901
0.106895	0.02086	0.354451	2.86E-15	0.157383	0.00064	0.423009	1.07E-21	0.539852
0.516939	2.87E-33	0.553246	8.46E-39	0.444722	4.62E-24	0.488925	1.96E-29	0.528866
0.125685	0.00654	0.386486	4.37E-18	0.207685	6.02E-06	0.414181	8.79E-21	0.754131
0.092354	0.04608	0.34212	2.87E-14	0.14853	0.00129	0.378459	2.37E-17	0.736231
0.491141	1.00E-29	0.808297	#####	0.529127	4.74E-35	0.812888	#####	0.80264
0.210298	4.57E-06	0.451283	8.24E-25	0.280682	6.66E-10	0.472415	2.46E-27	0.710055
0.205389	7.66E-06	0.489571	1.61E-29	0.280623	6.72E-10	0.504908	1.40E-31	0.828777
0.334954	1.05E-13	0.287475	2.45E-10	0.276144	1.28E-09	0.216337	2.38E-06	0.385425
0.101712	0.02796	0.24354	9.86E-08	0.148773	0.00126	0.237232	2.14E-07	0.516385
0.321732	1.05E-12	0.362864	5.58E-16	0.345766	1.47E-14	0.252435	3.20E-08	0.487872
0.4016	1.59E-19	0.670141	3.48E-62	0.328137	3.48E-13	0.788142	#####	0.731723
0.213813	3.13E-06	0.399991	2.27E-19	0.261386	9.84E-09	0.376558	3.52E-17	0.786633
0.299183	4.12E-11	0.453963	4.03E-25	0.306524	1.29E-11	0.43768	2.82E-23	0.443732
0.177844	0.00011	0.405022	7.31E-20	0.246857	6.51E-08	0.411034	1.83E-20	0.70357
0.221899	1.28E-06	0.288085	2.24E-10	0.248603	5.22E-08	0.217611	2.06E-06	0.481872
-0.11165	0.01578	-0.23497	2.80E-07	-0.15131	0.00104	-0.21964	1.65E-06	-0.47577

0.14285	0.00197	0.240862	1.37E-07	0.152611	0.00094	0.236757	2.26E-07	0.486088
0.180465	8.79E-05	0.26039	1.12E-08	0.200556	1.26E-05	0.228377	6.10E-07	0.437366
0.721689	2.64E-76	0.783756	3.04E-98	0.722582	1.41E-76	0.59083	2.75E-45	0.669217
0.114072	0.01364	0.26685	4.69E-09	0.164515	0.00036	0.24803	5.61E-08	0.542879
0.165208	0.00034	0.448056	1.93E-24	0.189862	3.63E-05	0.550482	2.36E-38	0.566387
0.359204	1.14E-15	0.471732	2.98E-27	0.394606	7.51E-19	0.381713	1.20E-17	0.446523
0.15389	0.00085	0.277315	1.08E-09	0.184165	6.24E-05	0.263411	7.49E-09	0.519668
0.336857	7.45E-14	0.413411	1.05E-20	0.321952	1.01E-12	0.377407	2.95E-17	0.557987
0.583055	7.10E-44	0.617866	1.66E-50	0.550634	2.23E-38	0.475454	1.03E-27	0.856595
0.14179	0.00213	0.278687	8.89E-10	0.158472	0.00059	0.308372	9.57E-12	0.384707
0.119191	0.00994	0.212453	3.62E-06	0.140786	0.00229	0.195052	2.19E-05	0.394945
0.279676	7.71E-10	0.318316	1.86E-12	0.268721	3.63E-09	0.251997	3.38E-08	0.542057
0.085078	0.06621	0.245905	7.34E-08	0.116895	0.01147	0.291229	1.40E-10	0.481225
0.250331	4.19E-08	0.697997	1.93E-69	0.351581	4.93E-15	0.792642	#####	0.879915
0.083703	0.07074	0.127872	0.00565	0.073454	0.11291	0.10641	0.02145	0.531707
0.143302	0.00191	0.454294	3.69E-25	0.196575	1.88E-05	0.543812	2.69E-37	0.8029
0.028267	0.5423	-0.19218	2.90E-05	-0.07401	0.11021	-0.21226	3.70E-06	-0.45976
0.541884	5.38E-37	0.455907	2.39E-25	0.419808	2.31E-21	0.35317	3.65E-15	0.617111
0.45172	7.34E-25	0.462381	4.09E-26	0.360909	8.19E-16	0.40486	7.58E-20	0.750765
0.199051	1.47E-05	0.42952	2.18E-22	0.255256	2.22E-08	0.427797	3.33E-22	0.806126
0.155099	0.00077	0.369655	1.44E-16	0.20167	1.12E-05	0.388229	3.01E-18	0.672647
0.241103	1.33E-07	0.651707	8.40E-58	0.287747	2.36E-10	0.796015	#####	0.73917
0.300952	3.12E-11	0.445923	3.38E-24	0.336545	7.88E-14	0.387909	3.22E-18	0.565298
0.463227	3.24E-26	0.654841	1.59E-58	0.503106	2.48E-31	0.58495	3.24E-44	0.7105
0.138011	0.0028	0.196552	1.89E-05	0.171976	0.00019	0.146119	0.00154	0.527126
0.602992	1.42E-47	0.673488	5.16E-63	0.497105	1.62E-30	0.630668	3.68E-53	0.709149
0.099698	0.03123	0.047178	0.30898	0.038237	0.40971	0.031271	0.50023	0.336085
0.130744	0.00465	0.462927	3.52E-26	0.200519	1.27E-05	0.547352	7.44E-38	0.749625
0.019242	0.67833	0.07475	0.10668	0.047543	0.30525	0.06399	0.16742	0.415781
0.105446	0.02267	0.231667	4.15E-07	0.147379	0.0014	0.218574	1.86E-06	0.533069
0.31224	5.10E-12	0.656621	6.11E-59	0.457766	1.44E-25	0.59768	1.46E-46	0.884498
0.200584	1.26E-05	0.317328	2.20E-12	0.148135	0.00133	0.38916	2.46E-18	0.378518
0.212996	3.42E-06	0.196331	1.93E-05	0.226323	7.73E-07	0.095942	0.03821	0.374921
0.226922	7.22E-07	0.318823	1.71E-12	0.264808	6.20E-09	0.231871	4.05E-07	0.788425
0.254115	2.57E-08	0.498172	1.16E-30	0.30828	9.71E-12	0.523329	3.41E-34	0.601923
0.169296	0.00024	0.396507	4.94E-19	0.186106	5.20E-05	0.436813	3.52E-23	0.851898
0.195791	2.03E-05	0.494574	3.52E-30	0.243049	1.05E-07	0.55401	6.36E-39	0.925019
0.024036	0.60439	0.093775	0.04281	0.054654	0.23848	0.082167	0.07608	0.392384
0.113032	0.01453	0.169313	0.00024	0.135601	0.00332	0.149579	0.00119	0.353214
0.371972	9.01E-17	0.390274	1.93E-18	0.367019	2.45E-16	0.269105	3.44E-09	0.582846
0.351955	4.59E-15	0.343376	2.28E-14	0.309788	7.61E-12	0.249618	4.59E-08	0.539955
0.234539	2.95E-07	0.390935	1.67E-18	0.270155	2.97E-09	0.357135	1.70E-15	0.781731
0.14056	0.00233	0.421387	1.58E-21	0.169429	0.00023	0.505567	1.14E-31	0.642362
0.429799	2.04E-22	0.653015	4.20E-58	0.511653	1.62E-32	0.564483	1.19E-40	0.911973
0.2307	4.65E-07	0.533768	9.49E-36	0.302974	2.27E-11	0.549188	3.80E-38	0.951793

0.091913	0.04713	0.271056	2.62E-09	0.149284	0.00121	0.266257	5.09E-09	0.598838
0.093731	0.04291	-0.12414	0.00723	0.025468	0.58302	-0.19736	1.74E-05	-0.32985
0.264535	6.43E-09	0.28911	1.92E-10	0.280756	6.59E-10	0.187032	4.76E-05	0.441757
0.344038	2.02E-14	0.275752	1.35E-09	0.275773	1.35E-09	0.186524	5.00E-05	0.362869
0.497716	1.34E-30	0.487043	3.44E-29	0.610447	5.04E-49	0.182459	7.32E-05	0.447701
0.686831	1.96E-66	0.761929	9.16E-90	0.689657	3.51E-67	0.586348	1.81E-44	0.741476
0.14629	0.00152	0.512756	1.13E-32	0.21456	2.88E-06	0.612892	1.65E-49	0.816335
0.427783	3.35E-22	0.694778	1.47E-68	0.629969	5.18E-53	0.502097	3.41E-31	0.720129
0.18732	4.64E-05	0.456056	2.29E-25	0.199524	1.40E-05	0.547749	6.43E-38	0.810147
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0.156533	0.00069	0.473342	1.89E-27	0.217855	2.01E-06	0.550481	2.36E-38	0.931413
0.021139	0.64865	0.116447	0.01179	0.031898	0.49167	0.151386	0.00103	0.323785
0.111244	0.01617	0.199292	1.43E-05	0.156259	0.0007	0.149489	0.0012	0.585247
0.190868	3.30E-05	0.21729	2.14E-06	0.184444	6.08E-05	0.155357	0.00076	0.365829
0.158882	0.00057	0.39153	1.47E-18	0.216744	2.27E-06	0.409936	2.36E-20	0.709786
0.098204	0.03387	0.358912	1.21E-15	0.149015	0.00124	0.411539	1.63E-20	0.808515
0.13205	0.00426	0.376281	3.73E-17	0.210357	4.54E-06	0.394217	8.18E-19	0.631967
0.196778	1.84E-05	0.401058	1.79E-19	0.209262	5.10E-06	0.430625	1.66E-22	0.907627
0.262382	8.61E-09	0.355544	2.32E-15	0.292809	1.10E-10	0.318488	1.81E-12	0.467056
0.148948	0.00125	0.382199	1.08E-17	0.199092	1.46E-05	0.386528	4.33E-18	0.79997
0.18145	8.03E-05	0.314414	3.56E-12	0.217966	1.98E-06	0.292928	1.08E-10	0.420028
0.146702	0.00148	0.398641	3.08E-19	0.186079	5.21E-05	0.464505	2.27E-26	0.571806
0.190867	3.30E-05	0.291751	1.29E-10	0.240612	1.42E-07	0.230858	4.56E-07	0.468826
0.146435	0.00151	0.263598	7.31E-09	0.170932	0.00021	0.265038	6.01E-09	0.428558
0.101522	0.02826	0.135171	0.00343	0.080235	0.08327	0.12621	0.00631	0.410953
0.201273	1.17E-05	0.510121	2.65E-32	0.25878	1.39E-08	0.571043	9.11E-42	0.78217
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0.198317	1.58E-05	0.490879	1.08E-29	0.282816	4.88E-10	0.531027	2.46E-35	0.589285
0.116364	0.01185	0.350674	5.85E-15	0.164011	0.00037	0.391604	1.45E-18	0.613954
0.164988	0.00034	0.421517	1.54E-21	0.201398	1.16E-05	0.479144	3.54E-28	0.725555
0.088048	0.05726	0.308678	9.11E-12	0.154065	0.00084	0.340157	4.10E-14	0.546698
0.005849	0.89968	-0.21838	1.90E-06	-0.06848	0.1395	-0.26304	7.88E-09	-0.45793
0.491635	8.63E-30	0.451604	7.56E-25	0.359756	1.03E-15	0.406554	5.15E-20	0.691849
0.122357	0.00812	0.25618	1.96E-08	0.143287	0.00191	0.270983	2.65E-09	0.467805
0.180312	8.92E-05	0.481987	1.54E-28	0.220361	1.52E-06	0.558214	1.31E-39	0.863683
0.233785	3.23E-07	0.32955	2.72E-13	0.353273	3.58E-15	0.180448	8.81E-05	0.341887
0.316325	2.60E-12	0.635304	3.75E-54	0.469503	5.61E-27	0.574415	2.38E-42	0.632215
0.312453	4.92E-12	0.393545	9.48E-19	0.213823	3.13E-06	0.47696	6.67E-28	0.502279
0.191857	3.00E-05	0.412805	1.21E-20	0.246395	6.90E-08	0.420876	1.79E-21	0.722181
0.269425	3.29E-09	0.717999	3.44E-75	0.392587	1.17E-18	0.777011	1.61E-95	0.885885
0.423888	8.66E-22	0.679206	1.86E-64	0.495766	2.44E-30	0.641854	1.39E-55	0.644376
0.137616	0.00288	0.190261	3.50E-05	0.140998	0.00226	0.156987	0.00066	0.572227
0.104566	0.02383	0.085939	0.06351	0.066962	0.14851	0.069365	0.13445	0.262714
0.09959	0.03142	0.273438	1.88E-09	0.156509	0.00069	0.291708	1.30E-10	0.397778
0.193241	2.62E-05	0.591439	2.13E-45	0.261804	9.30E-09	0.712239	1.75E-73	0.734637



0.295413	7.38E-11	0.502026	3.49E-31	0.393339	9.92E-19	0.393899	8.77E-19	0.884327
0.168358	0.00026	0.386664	4.20E-18	0.189913	3.62E-05	0.4455	3.77E-24	0.577904
0.29315	1.04E-10	0.578144	5.29E-43	0.34303	2.43E-14	0.593954	7.28E-46	0.920651
0.335741	9.10E-14	0.566735	4.95E-41	0.446254	3.10E-24	0.479822	2.90E-28	0.645365
0.075935	0.10123	0.201344	1.16E-05	0.08731	0.05938	0.223814	1.03E-06	0.539895
0.058286	0.20865	0.191461	3.11E-05	0.094819	0.04054	0.196506	1.89E-05	0.388012
0.381659	1.22E-17	0.701972	1.52E-70	0.532075	1.71E-35	0.604138	8.57E-48	0.870145
0.134451	0.0036	0.365563	3.27E-16	0.180652	8.64E-05	0.390042	2.03E-18	0.845034
0.153639	0.00087	0.351909	4.63E-15	0.211505	4.01E-06	0.368825	1.70E-16	0.419957
-0.09527	0.03959	-0.25582	2.06E-08	-0.14166	0.00215	-0.27732	1.08E-09	-0.39733
0.193919	2.45E-05	0.316965	2.33E-12	0.285043	3.52E-10	0.221553	1.33E-06	0.460415
0.094511	0.0412	0.257759	1.59E-08	0.153946	0.00084	0.255131	2.25E-08	0.546419
0.18406	6.30E-05	0.338825	5.22E-14	0.180052	9.13E-05	0.373384	6.76E-17	0.634281
0.409569	2.57E-20	0.420652	1.89E-21	0.472254	2.57E-27	0.24684	6.52E-08	0.452728
0.134298	0.00364	0.266537	4.90E-09	0.177384	0.00012	0.261118	1.02E-08	0.395067
0.094134	0.04202	0.195252	2.15E-05	0.104565	0.02383	0.210513	4.46E-06	0.383009
0.143915	0.00182	0.345888	1.43E-14	0.184001	6.34E-05	0.372214	8.58E-17	0.696569
0.100342	0.03015	0.28586	3.12E-10	0.149865	0.00116	0.318889	1.69E-12	0.448421
0.113838	0.01384	0.304854	1.68E-11	0.173489	0.00016	0.304622	1.75E-11	0.706699
0.395217	6.57E-19	0.452765	5.55E-25	0.32458	6.43E-13	0.421297	1.62E-21	0.792583
0.27793	9.91E-10	0.60167	2.55E-47	0.37519	4.67E-17	0.591479	2.09E-45	0.970954
-0.12577	0.0065	-0.25296	2.98E-08	-0.13939	0.00254	-0.26854	3.72E-09	-0.42254
0.144914	0.00169	0.511772	1.55E-32	0.218511	1.87E-06	0.602477	1.79E-47	0.816836
0.163673	0.00038	0.338697	5.35E-14	0.194578	2.29E-05	0.345796	1.46E-14	0.82573
0.091612	0.04786	0.275759	1.35E-09	0.155949	0.00072	0.281145	6.23E-10	0.560721
0.191421	3.13E-05	0.241687	1.24E-07	0.170716	0.00021	0.234441	2.99E-07	0.378273
0.105742	0.02229	0.307623	1.08E-11	0.144607	0.00173	0.369941	1.36E-16	0.350978
0.178209	0.00011	0.401361	1.67E-19	0.251207	3.74E-08	0.411459	1.66E-20	0.672453
0.397177	4.26E-19	0.427751	3.37E-22	0.366662	2.63E-16	0.367236	2.34E-16	0.475726
0.288979	1.96E-10	0.45398	4.01E-25	0.359689	1.04E-15	0.363378	5.04E-16	0.711896
0.259536	1.26E-08	0.343837	2.09E-14	0.250215	4.25E-08	0.284854	3.62E-10	0.797655
0.545302	1.57E-37	0.445576	3.70E-24	0.439712	1.68E-23	0.329252	2.86E-13	0.598075
0.093964	0.04239	0.279812	7.56E-10	0.143313	0.0019	0.318465	1.82E-12	0.37873
0.245954	7.29E-08	0.486298	4.30E-29	0.340711	3.71E-14	0.450717	9.57E-25	0.624134
0.12175	0.00844	0.311879	5.41E-12	0.157564	0.00063	0.344248	1.94E-14	0.635636
0.175487	0.00014	0.477896	5.08E-28	0.25406	2.59E-08	0.515079	5.29E-33	0.844368
0.13471	0.00354	0.25834	1.48E-08	0.183168	6.85E-05	0.222001	1.26E-06	0.572698
0.193148	2.64E-05	0.372179	8.64E-17	0.243859	9.48E-08	0.379686	1.84E-17	0.364104
0.168912	0.00025	0.397532	3.94E-19	0.222596	1.18E-06	0.411639	1.59E-20	0.631251
0.187741	4.45E-05	0.329512	2.74E-13	0.257556	1.64E-08	0.28234	5.24E-10	0.555994
0.143906	0.00182	0.385341	5.58E-18	0.212212	3.72E-06	0.419305	2.61E-21	0.52434
0.066816	0.1494	0.209546	4.95E-06	0.102594	0.02662	0.247943	5.68E-08	0.343373
0.305709	1.47E-11	0.456727	1.91E-25	0.388706	2.71E-18	0.361729	6.97E-16	0.631299
0.228599	5.94E-07	0.392534	1.18E-18	0.296616	6.13E-11	0.353147	3.66E-15	0.56091
0.08765	0.0584	0.156984	0.00066	0.109162	0.01829	0.143722	0.00185	0.390926

0.284796	3.65E-10	0.516648	3.16E-33	0.378622	2.29E-17	0.475717	9.55E-28	0.607542
0.423414	9.72E-22	0.66599	3.60E-61	0.521164	7.05E-34	0.584085	4.64E-44	0.621068
0.105855	0.02215	0.230891	4.55E-07	0.137686	0.00287	0.220449	1.51E-06	0.43133
0.189203	3.87E-05	0.484234	7.93E-29	0.251128	3.78E-08	0.522426	4.61E-34	0.901602
0.189432	3.79E-05	0.280008	7.35E-10	0.236585	2.31E-07	0.227514	6.74E-07	0.532604
0.16122	0.00047	0.263633	7.27E-09	0.209064	5.21E-06	0.235561	2.61E-07	0.442464
0.245124	8.09E-08	0.317823	2.02E-12	0.226463	7.61E-07	0.297206	5.60E-11	0.399023
-0.03201	0.49021	-0.20785	5.92E-06	-0.09064	0.05028	-0.23442	2.99E-07	-0.33227
0.089303	0.05379	0.249005	4.96E-08	0.125522	0.00661	0.268281	3.85E-09	0.506525
0.179845	9.31E-05	0.49037	1.27E-29	0.257993	1.55E-08	0.524686	2.15E-34	0.921507
0.041245	0.37384	0.21812	1.95E-06	0.09014	0.05157	0.254379	2.48E-08	0.399317
0.368818	1.71E-16	0.412398	1.33E-20	0.407299	4.34E-20	0.297764	5.13E-11	0.469529
0.409213	2.79E-20	0.411437	1.67E-20	0.343552	2.21E-14	0.337298	6.88E-14	0.598253
0.227802	6.52E-07	0.447474	2.25E-24	0.277052	1.12E-09	0.4445	4.89E-24	0.810942
0.522746	4.14E-34	0.623144	1.38E-51	0.54304	3.55E-37	0.508597	4.33E-32	0.548933
0.233116	3.50E-07	0.404123	8.96E-20	0.273937	1.75E-09	0.392933	1.08E-18	0.510816
0.064801	0.16209	0.19974	1.37E-05	0.098088	0.03408	0.225497	8.50E-07	0.353605
0.281598	5.83E-10	0.547837	6.23E-38	0.374376	5.52E-17	0.540998	7.39E-37	0.561717
0.202768	1.01E-05	0.473946	1.59E-27	0.337607	6.51E-14	0.422172	1.31E-21	0.757995
0.245891	7.35E-08	0.354805	2.67E-15	0.293693	9.61E-11	0.285507	3.29E-10	0.605946
0.090497	0.05065	0.257164	1.72E-08	0.111378	0.01604	0.297741	5.15E-11	0.527952
0.148042	0.00134	0.23563	2.59E-07	0.173517	0.00016	0.207046	6.44E-06	0.446868
0.028329	0.54141	0.10905	0.01841	0.04308	0.35294	0.117866	0.0108	0.403177
0.213411	3.27E-06	0.477561	5.60E-28	0.282883	4.84E-10	0.500692	5.30E-31	0.71802
-0.0709	0.12604	-0.28081	6.54E-10	-0.14556	0.00161	-0.30352	2.08E-11	-0.52167
0.172437	0.00018	0.256864	1.79E-08	0.169989	0.00022	0.27153	2.45E-09	0.47212
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0.049862	0.28224	-0.20134	1.16E-05	-0.05746	0.21516	-0.24377	9.58E-08	-0.39824
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0.13883	0.00264	0.435411	5.01E-23	0.196072	1.98E-05	0.507335	6.49E-32	0.818103
0.203273	9.54E-06	0.306143	1.37E-11	0.159906	0.00052	0.378403	2.40E-17	0.339626
-0.12499	0.00684	-0.23312	3.50E-07	-0.14719	0.00142	-0.22046	1.50E-06	-0.37357
0.309018	8.62E-12	0.456956	1.80E-25	0.367441	2.25E-16	0.39611	5.39E-19	0.455979
0.259521	1.26E-08	0.427231	3.83E-22	0.320353	1.32E-12	0.374705	5.15E-17	0.662235
0.133043	0.00397	0.381737	1.20E-17	0.220083	1.57E-06	0.383972	7.46E-18	0.5864
0.614036	9.78E-50	0.551439	1.65E-38	0.631209	2.83E-53	0.294965	7.91E-11	0.582227
0.323255	8.07E-13	0.402332	1.34E-19	0.356779	1.83E-15	0.31933	1.57E-12	0.409727
0.248331	5.40E-08	0.427746	3.38E-22	0.286711	2.75E-10	0.408349	3.41E-20	0.719607
0.202659	1.02E-05	0.160145	0.00051	0.182183	7.51E-05	0.090323	0.0511	0.287011
0.208922	5.29E-06	0.332082	1.74E-13	0.256775	1.82E-08	0.297701	5.18E-11	0.45564
0.320318	1.33E-12	0.631865	2.05E-53	0.432833	9.57E-23	0.605608	4.45E-48	0.643799
0.594038	7.02E-46	0.744152	1.66E-83	0.598961	8.36E-47	0.641691	1.51E-55	0.751247
0.498936	9.16E-31	0.621982	2.40E-51	0.649811	2.28E-57	0.368379	1.86E-16	0.549507
0.653721	2.89E-58	0.625795	3.90E-52	0.613527	1.24E-49	0.438159	2.50E-23	0.630918
0.272041	2.28E-09	0.33035	2.36E-13	0.323544	7.68E-13	0.22489	9.11E-07	0.263874

0.259692	1.23E-08	0.454044	3.94E-25	0.30341	2.12E-11	0.439649	1.71E-23	0.676956
0.390968	1.66E-18	0.387327	3.65E-18	0.420024	2.20E-21	0.219181	1.73E-06	0.454714
0.207715	6.01E-06	0.375105	4.75E-17	0.227725	6.58E-07	0.374898	4.96E-17	0.406006
0.11732	0.01117	0.243192	1.03E-07	0.167407	0.00028	0.225722	8.28E-07	0.460908
0.142265	0.00206	0.303916	1.95E-11	0.192593	2.79E-05	0.291792	1.28E-10	0.531338
0.155442	0.00075	0.415137	7.02E-21	0.223058	1.12E-06	0.444934	4.37E-24	0.802876
0.199496	1.40E-05	0.367912	2.05E-16	0.252749	3.07E-08	0.345467	1.55E-14	0.622932
0.204646	8.28E-06	0.45347	4.60E-25	0.263723	7.18E-09	0.482044	1.51E-28	0.659149
-0.28196	5.53E-10	-0.3205	1.29E-12	-0.25304	2.95E-08	-0.28568	3.20E-10	-0.44419
0.204968	8.01E-06	0.615443	5.11E-50	0.299058	4.20E-11	0.698841	1.13E-69	0.891725
0.257204	1.72E-08	0.396622	4.82E-19	0.330467	2.31E-13	0.326625	4.52E-13	0.579569
0.482694	1.25E-28	0.650172	1.89E-57	0.465261	1.84E-26	0.616505	3.12E-50	0.662341
0.109698	0.01772	0.286493	2.84E-10	0.145408	0.00163	0.332039	1.76E-13	0.423569
0.127821	0.00567	0.475034	1.16E-27	0.189208	3.87E-05	0.581946	1.12E-43	0.746062
0.15647	0.00069	0.321979	1.00E-12	0.176886	0.00012	0.353548	3.39E-15	0.639922
0.207312	6.27E-06	0.591112	2.44E-45	0.263458	7.45E-09	0.705855	1.22E-71	0.783064
0.274496	1.62E-09	0.553044	9.12E-39	0.365114	3.57E-16	0.523115	3.66E-34	0.676966
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0.080165	0.08354	0.294948	7.93E-11	0.136973	0.00302	0.340205	4.07E-14	0.54301
0.630464	4.07E-53	0.647973	5.96E-57	0.592341	1.45E-45	0.504526	1.59E-31	0.694729
0.06997	0.13108	0.172826	0.00017	0.127953	0.00562	0.126456	0.00621	0.541018
0.300384	3.41E-11	0.415262	6.81E-21	0.339674	4.48E-14	0.334759	1.08E-13	0.764197
0.054814	0.2371	0.185387	5.57E-05	0.088765	0.05525	0.197643	1.69E-05	0.434969
0.246137	7.13E-08	0.223383	1.08E-06	0.141885	0.00212	0.250552	4.07E-08	0.332148
0.361782	6.90E-16	0.733988	3.71E-80	0.467649	9.45E-27	0.736186	7.21E-81	0.880113
0.083451	0.07159	0.247854	5.74E-08	0.105663	0.02239	0.30197	2.66E-11	0.444834
0.341116	3.45E-14	0.467278	1.05E-26	0.341536	3.19E-14	0.418804	2.94E-21	0.804474
0.28761	2.41E-10	0.434613	6.13E-23	0.341657	3.12E-14	0.348273	9.19E-15	0.856508
0.229085	5.62E-07	0.307473	1.11E-11	0.285668	3.21E-10	0.21524	2.68E-06	0.351152
0.289736	1.75E-10	0.359681	1.04E-15	0.235858	2.52E-07	0.37101	1.10E-16	0.362355
0.591369	2.19E-45	0.552276	1.21E-38	0.556649	2.36E-39	0.349761	6.95E-15	0.810101
0.466878	1.17E-26	0.464928	2.02E-26	0.38454	6.61E-18	0.390108	2.00E-18	0.541761
0.238952	1.73E-07	0.597734	1.43E-46	0.280084	7.27E-10	0.726726	7.40E-78	0.739724
0.179022	0.0001	0.548522	4.85E-38	0.24313	1.04E-07	0.662184	2.96E-60	0.77479
0.634671	5.14E-54	0.764916	7.18E-91	0.67538	1.73E-63	0.599496	6.62E-47	0.784455
0.241509	1.27E-07	0.54146	6.26E-37	0.294063	9.08E-11	0.577868	5.92E-43	0.893344
0.155988	0.00072	0.38154	1.25E-17	0.18527	5.63E-05	0.435737	4.62E-23	0.745675
0.543628	2.87E-37	0.846589	#####	0.734781	2.06E-80	0.660565	7.20E-60	0.764023
0.193085	2.66E-05	0.680525	8.54E-65	0.27958	7.82E-10	0.836741	#####	0.818052
0.138815	0.00264	0.060447	0.19225	0.040123	0.38699	0.041023	0.37642	0.376828
0.342405	2.72E-14	0.496702	1.83E-30	0.271493	2.47E-09	0.586101	2.01E-44	0.520988
0.316808	2.40E-12	0.444821	4.50E-24	0.21965	1.65E-06	0.530745	2.71E-35	0.624377
0.347996	9.68E-15	0.428119	3.08E-22	0.391541	1.47E-18	0.319317	1.57E-12	0.620466
0.26987	3.09E-09	0.464538	2.25E-26	0.279145	8.32E-10	0.492719	6.20E-30	0.622184
0.215851	2.51E-06	0.297294	5.52E-11	0.276939	1.14E-09	0.170459	0.00021	0.783097

0.305537	1.51E-11	0.390082	2.02E-18	0.393237	1.01E-18	0.209264	5.10E-06	0.821366
0.076614	0.0982	0.273959	1.74E-09	0.121846	0.00839	0.336441	8.02E-14	0.393963
0.074179	0.10939	0.066275	0.15273	0.048452	0.29608	0.056279	0.22478	0.42657
0.200722	1.24E-05	0.224727	9.28E-07	0.145706	0.00159	0.247809	5.77E-08	0.478012
0.293548	9.82E-11	0.35133	5.17E-15	0.210148	4.64E-06	0.423121	1.04E-21	0.449672
0.300683	3.26E-11	0.127748	0.0057	0.103797	0.02489	0.105392	0.02274	0.418319
0.079157	0.08751	0.215318	2.66E-06	0.098484	0.03336	0.257077	1.74E-08	0.364957
0.194563	2.30E-05	0.539997	1.06E-36	0.241856	1.21E-07	0.633935	7.39E-54	0.842634
0.193948	2.44E-05	0.371656	9.61E-17	0.194717	2.26E-05	0.425518	5.83E-22	0.637143
0.571544	7.47E-42	0.479553	3.14E-28	0.312125	5.20E-12	0.518453	1.74E-33	0.751117
0.154385	0.00082	0.373351	6.80E-17	0.180811	8.52E-05	0.412208	1.39E-20	0.754219
0.103681	0.02505	0.263447	7.46E-09	0.135846	0.00327	0.264349	6.60E-09	0.760589
0.544917	1.80E-37	0.583479	5.97E-44	0.494003	4.19E-30	0.488494	2.23E-29	0.60845
0.672181	1.09E-62	0.67752	4.99E-64	0.590119	3.72E-45	0.526432	1.19E-34	0.812802
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0.259737	1.23E-08	0.432278	1.10E-22	0.245301	7.92E-08	0.470858	3.83E-27	0.730997
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0.216282	2.39E-06	0.628943	8.53E-53	0.273798	1.78E-09	0.753938	6.94E-87	0.768791
0.179666	9.46E-05	0.483562	9.68E-29	0.249786	4.49E-08	0.536856	3.21E-36	0.573192
0.381183	1.34E-17	0.749825	1.91E-85	0.547273	7.65E-38	0.660922	5.92E-60	0.876025
0.105644	0.02242	0.361373	7.48E-16	0.155284	0.00076	0.433232	8.66E-23	0.687978
0.239806	1.56E-07	0.616216	3.57E-50	0.351129	5.37E-15	0.640725	2.47E-55	0.829731
0.147822	0.00136	0.274692	1.57E-09	0.158206	0.0006	0.306598	1.27E-11	0.343226
0.193972	2.44E-05	0.589858	4.16E-45	0.257832	1.58E-08	0.707808	3.37E-72	0.730536
0.286785	2.72E-10	0.350144	6.47E-15	0.277684	1.03E-09	0.293327	1.02E-10	0.431152
0.317481	2.14E-12	0.677253	5.83E-64	0.319289	1.58E-12	0.817251	#####	0.748828
0.250046	4.34E-08	0.416535	5.04E-21	0.209725	4.85E-06	0.465853	1.56E-26	0.765458
0.12105	0.00883	0.428268	2.97E-22	0.175192	0.00014	0.52562	1.57E-34	0.489066
0.384471	6.71E-18	0.497328	1.51E-30	0.274713	1.57E-09	0.573211	3.85E-42	0.58518
0.321353	1.12E-12	0.519567	1.20E-33	0.281348	6.05E-10	0.579434	3.14E-43	0.916127
0.236503	2.33E-07	0.480531	2.36E-28	0.243325	1.01E-07	0.566397	5.64E-41	0.661737
0.260507	1.11E-08	0.42617	4.97E-22	0.411897	1.50E-20	0.292094	1.23E-10	0.395904
0.393089	1.05E-18	0.566898	4.64E-41	0.437936	2.64E-23	0.506847	7.58E-32	0.560522
0.472502	2.40E-27	0.473528	1.79E-27	0.387084	3.84E-18	0.394088	8.42E-19	0.515835
0.23075	4.62E-07	0.336508	7.93E-14	0.314874	3.30E-12	0.227037	7.12E-07	0.427912
0.366447	2.74E-16	0.596513	2.42E-46	0.433627	7.85E-23	0.532698	1.38E-35	0.774808
0.222296	1.22E-06	0.460741	6.42E-26	0.227791	6.53E-07	0.535567	5.06E-36	0.796842
0.186861	4.84E-05	0.469817	5.14E-27	0.256455	1.89E-08	0.490215	1.33E-29	0.811811
0.154268	0.00082	0.359832	1.01E-15	0.183273	6.78E-05	0.386482	4.37E-18	0.751711
0.487219	3.26E-29	0.626978	2.21E-52	0.569117	1.95E-41	0.443835	5.82E-24	0.812507
0.295837	6.91E-11	0.489348	1.72E-29	0.341861	3.01E-14	0.438887	2.08E-23	0.838436
0.177819	0.00011	0.559916	6.85E-40	0.242642	1.10E-07	0.661446	4.44E-60	0.90097
0.097192	0.03576	0.17659	0.00012	0.130066	0.00487	0.140829	0.00229	0.469151
0.087291	0.05944	0.306927	1.21E-11	0.135362	0.00338	0.383036	9.09E-18	0.44826
0.204463	8.44E-06	0.350563	5.98E-15	0.232803	3.63E-07	0.35748	1.60E-15	0.357809

0.228809	5.80E-07	0.251218	3.74E-08	0.130501	0.00473	0.310489	6.79E-12	0.34505
0.265082	5.97E-09	0.689048	5.09E-67	0.334786	1.08E-13	0.799467	#####	0.884959
0.132479	0.00413	0.426138	5.01E-22	0.207969	5.85E-06	0.479963	2.79E-28	0.694898
0.241425	1.28E-07	0.609082	9.36E-49	0.312692	4.73E-12	0.689872	3.07E-67	0.815222
0.173172	0.00017	0.23078	4.61E-07	0.193107	2.65E-05	0.197171	1.77E-05	0.521455
0.390615	1.80E-18	0.650685	1.44E-57	0.520726	8.16E-34	0.523784	2.92E-34	0.911504
0.276826	1.16E-09	0.404658	7.94E-20	0.283995	4.11E-10	0.398231	3.37E-19	0.640075
0.43335	8.41E-23	0.63557	3.29E-54	0.557571	1.67E-39	0.472646	2.30E-27	0.789204
-0.05154	0.26634	-0.18481	5.88E-05	-0.11448	0.01331	-0.18638	5.07E-05	-0.37195
0.229153	5.57E-07	0.328262	3.40E-13	0.233338	3.41E-07	0.32665	4.50E-13	0.325991
0.029715	0.52181	0.33039	2.35E-13	0.114328	0.01343	0.412068	1.44E-20	0.618856
0.410448	2.10E-20	0.354487	2.84E-15	0.339157	4.92E-14	0.283106	4.68E-10	0.450177
0.37511	4.74E-17	0.680313	9.68E-65	0.45662	1.97E-25	0.661591	4.11E-60	0.90252
0.102916	0.02615	0.153902	0.00085	0.153578	0.00087	0.082475	0.07499	0.465256
0.287542	2.43E-10	0.547349	7.44E-38	0.362136	6.44E-16	0.50685	7.58E-32	0.922603
0.236613	2.30E-07	0.417582	3.93E-21	0.271948	2.31E-09	0.415981	5.75E-21	0.570517
0.160158	0.00051	0.246542	6.77E-08	0.167471	0.00028	0.20614	7.09E-06	0.790914
0.202133	1.07E-05	0.437098	3.27E-23	0.232033	3.97E-07	0.468183	8.14E-27	0.830828
0.38758	3.46E-18	0.348962	8.08E-15	0.252728	3.08E-08	0.330045	2.49E-13	0.459348
0.27162	2.42E-09	0.481242	1.92E-28	0.377707	2.77E-17	0.406354	5.39E-20	0.499434
0.379874	1.77E-17	0.6807	7.70E-65	0.444919	4.39E-24	0.670463	2.90E-62	0.915789
0.135128	0.00344	0.230353	4.84E-07	0.16445	0.00036	0.229763	5.19E-07	0.355988
0.249969	4.39E-08	0.600187	4.89E-47	0.350204	6.39E-15	0.615696	4.55E-50	0.945679
0.193521	2.55E-05	0.475179	1.11E-27	0.22174	1.30E-06	0.557766	1.55E-39	0.713306
0.223373	1.08E-06	0.207768	5.97E-06	0.168095	0.00026	0.179424	9.67E-05	0.356588
0.131742	0.00435	0.216336	2.38E-06	0.110568	0.01683	0.26446	6.50E-09	0.362397
0.174494	0.00015	0.274173	1.69E-09	0.127312	0.00587	0.325613	5.38E-13	0.471296
0.179941	9.23E-05	0.512018	1.44E-32	0.21411	3.03E-06	0.611059	3.82E-49	0.72231
-0.12685	0.00605	-0.22291	1.14E-06	-0.13551	0.00334	-0.22431	9.74E-07	-0.3778
0.21516	2.70E-06	0.45159	7.59E-25	0.279963	7.39E-10	0.462504	3.95E-26	0.771189
0.263976	6.94E-09	0.442653	7.90E-24	0.297103	5.69E-11	0.415297	6.76E-21	0.818779
0.35009	6.53E-15	0.455493	2.67E-25	0.302601	2.41E-11	0.437455	2.99E-23	0.826081
0.123241	0.00767	0.27928	8.16E-10	0.13941	0.00253	0.308499	9.37E-12	0.545538
0.124794	0.00693	0.214502	2.90E-06	0.175031	0.00014	0.160903	0.00048	0.494511
0.168796	0.00025	0.423503	9.51E-22	0.226682	7.42E-07	0.455254	2.85E-25	0.845458
0.088408	0.05624	0.11989	0.00951	0.115198	0.01274	0.060855	0.18926	0.52704
0.348774	8.36E-15	0.549045	4.00E-38	0.417255	4.25E-21	0.46558	1.69E-26	0.838896
0.352213	4.37E-15	0.344226	1.95E-14	0.369151	1.59E-16	0.197989	1.63E-05	0.587583
0.296754	6.00E-11	0.375455	4.42E-17	0.301931	2.68E-11	0.317042	2.30E-12	0.46074
0.365833	3.10E-16	0.510331	2.48E-32	0.366062	2.96E-16	0.458414	1.21E-25	0.948548
0.657204	4.47E-59	0.624679	6.65E-52	0.60747	1.93E-48	0.436358	3.95E-23	0.648307
0.608368	1.29E-48	0.681025	6.36E-65	0.59477	5.13E-46	0.545391	1.52E-37	0.675958
0.53561	4.98E-36	0.564479	1.19E-40	0.490885	1.08E-29	0.464433	2.32E-26	0.574691
0.399985	2.28E-19	0.577142	7.95E-43	0.454201	3.78E-25	0.496603	1.89E-30	0.766093
0.673092	6.47E-63	0.694278	2.01E-68	0.624664	6.70E-52	0.547339	7.47E-38	0.687101

0.337983	6.08E-14	0.521765	5.76E-34	0.438947	2.04E-23	0.393448	9.68E-19	0.704093
-0.09284	0.04493	-0.28987	1.72E-10	-0.12394	0.00733	-0.33815	5.90E-14	-0.49946
0.204574	8.34E-06	0.349551	7.23E-15	0.325436	5.55E-13	0.233969	3.16E-07	0.326528
0.110733	0.01667	0.353092	3.70E-15	0.153109	0.0009	0.396932	4.50E-19	0.836872
0.18028	8.94E-05	0.243034	1.05E-07	0.189168	3.89E-05	0.226855	7.27E-07	0.46343
-0.18163	7.90E-05	-0.35024	6.35E-15	-0.2681	3.95E-09	-0.3126	4.81E-12	-0.53632
0.121615	0.00852	0.37632	3.70E-17	0.16245	0.00042	0.43774	2.78E-23	0.582589
0.089082	0.05439	0.292258	1.20E-10	0.141947	0.00211	0.342038	2.91E-14	0.580065
0.164874	0.00035	0.444204	5.29E-24	0.211827	3.88E-06	0.496067	2.23E-30	0.929401
0.391354	1.53E-18	0.688857	5.72E-67	0.53768	2.40E-36	0.585077	3.08E-44	0.655067
0.176578	0.00013	0.402727	1.23E-19	0.218446	1.88E-06	0.43935	1.84E-23	0.505999
0.090361	0.051	0.285962	3.07E-10	0.138462	0.00271	0.314447	3.55E-12	0.612753
0.115127	0.01279	0.322604	9.02E-13	0.153147	0.0009	0.3481	9.49E-15	0.686729
0.16258	0.00042	0.351093	5.41E-15	0.212993	3.42E-06	0.331984	1.77E-13	0.737868
0.202648	1.02E-05	0.19844	1.56E-05	0.192994	2.68E-05	0.098814	0.03277	0.637476
0.378346	2.43E-17	0.642291	1.11E-55	0.431637	1.29E-22	0.619766	6.82E-51	0.882384
0.148096	0.00133	0.253367	2.83E-08	0.133786	0.00377	0.269856	3.10E-09	0.480007
0.282741	4.94E-10	0.309761	7.64E-12	0.269098	3.44E-09	0.255588	2.12E-08	0.381396
0.168691	0.00025	0.310818	6.43E-12	0.222257	1.23E-06	0.268247	3.87E-09	0.616728
0.058768	0.20491	0.213448	3.26E-06	0.095897	0.03831	0.23955	1.61E-07	0.491638
0.111046	0.01636	0.207989	5.83E-06	0.112056	0.01541	0.220114	1.56E-06	0.527729
0.165132	0.00034	0.362243	6.30E-16	0.316031	2.73E-12	0.255246	2.22E-08	0.409178
0.085804	0.06393	0.311201	6.04E-12	0.156257	0.0007	0.329602	2.69E-13	0.648689
0.14127	0.00221	0.366618	2.65E-16	0.193403	2.58E-05	0.403959	9.30E-20	0.564533
0.215608	2.57E-06	0.27215	2.25E-09	0.259695	1.23E-08	0.1647	0.00035	0.522881
0.061746	0.18285	0.141044	0.00225	0.055996	0.22713	0.171093	0.0002	0.405095
0.20233	1.05E-05	0.454463	3.52E-25	0.244686	8.55E-08	0.476104	8.54E-28	0.931593
0.122772	0.00791	0.342974	2.45E-14	0.151787	0.001	0.396767	4.66E-19	0.703756
0.219666	1.64E-06	0.406826	4.84E-20	0.286718	2.75E-10	0.380553	1.53E-17	0.597401
-0.12235	0.00812	-0.26476	6.24E-09	-0.19925	1.44E-05	-0.25037	4.16E-08	-0.42304
0.32831	3.37E-13	0.595804	3.29E-46	0.386893	4.00E-18	0.601506	2.74E-47	0.718072
-0.19022	3.51E-05	-0.3225	9.17E-13	-0.24548	7.74E-08	-0.29787	5.05E-11	-0.49805
0.077488	0.09441	0.309052	8.57E-12	0.103475	0.02534	0.3795	1.91E-17	0.717117
0.094219	0.04184	0.304072	1.91E-11	0.124524	0.00705	0.34959	7.18E-15	0.690936
0.057866	0.21197	0.20774	5.99E-06	0.080408	0.0826	0.249749	4.51E-08	0.474766
0.176119	0.00013	0.172943	0.00017	0.127661	0.00573	0.159339	0.00055	0.458776
0.177025	0.00012	0.444254	5.22E-24	0.246706	6.64E-08	0.455171	2.91E-25	0.924196
0.056452	0.22336	0.291696	1.30E-10	0.106666	0.02114	0.350774	5.74E-15	0.51201
0.453264	4.86E-25	0.630056	4.96E-53	0.479046	3.64E-28	0.556087	2.92E-39	0.925233
0.292274	1.19E-10	0.372146	8.70E-17	0.397846	3.67E-19	0.189101	3.91E-05	0.66794
0.002296	0.96054	0.01389	0.76465	0.005559	0.90464	0.009907	0.83092	0.27798
0.165663	0.00032	0.357546	1.57E-15	0.221821	1.29E-06	0.363981	4.47E-16	0.70179
0.234252	3.05E-07	0.355547	2.31E-15	0.20443	8.47E-06	0.363972	4.48E-16	0.750289
0.093625	0.04315	0.371114	1.07E-16	0.15035	0.00112	0.433547	8.01E-23	0.713458
0.115081	0.01283	0.249301	4.78E-08	0.167776	0.00027	0.226463	7.61E-07	0.55267

0.201752	1.12E-05	0.583283	6.47E-44	0.34076	3.68E-14	0.587205	1.27E-44	0.749274
0.012358	0.78997	0.026542	0.56723	0.01939	0.67599	0.017945	0.69891	0.365626
0.03354	0.46964	0.158435	0.00059	0.0677	0.14408	0.173919	0.00016	0.591788
0.320627	1.26E-12	0.556656	2.36E-39	0.388813	2.65E-18	0.50737	6.41E-32	0.954382
0.132512	0.00412	0.456916	1.82E-25	0.198884	1.49E-05	0.54091	7.62E-37	0.721355
0.257635	1.62E-08	0.332458	1.63E-13	0.250735	3.98E-08	0.294413	8.60E-11	0.605572
0.032035	0.48981	0.023921	0.60612	0.024512	0.59724	0.011359	0.8066	0.263316
0.143746	0.00184	0.461456	5.27E-26	0.196308	1.93E-05	0.561544	3.68E-40	0.65129
0.037989	0.41276	0.087142	0.05988	0.052495	0.25757	0.045748	0.32389	0.559186
0.219889	1.60E-06	0.415117	7.05E-21	0.285238	3.42E-10	0.372318	8.40E-17	0.695572
0.053286	0.25045	0.094885	0.0404	0.065906	0.15503	0.058342	0.20822	0.502307
0.036006	0.43759	0.073628	0.11206	0.048706	0.29356	0.039395	0.39567	0.387477
0.347534	1.05E-14	0.48255	1.30E-28	0.403963	9.29E-20	0.363072	5.35E-16	0.83418
0.14171	0.00214	0.464754	2.12E-26	0.23258	3.73E-07	0.500122	6.33E-31	0.813313
0.175086	0.00014	0.444633	4.73E-24	0.275238	1.46E-09	0.425404	5.99E-22	0.867419
0.116699	0.01161	0.337951	6.12E-14	0.15005	0.00114	0.387458	3.55E-18	0.795473
0.164387	0.00036	0.34343	2.26E-14	0.159232	0.00055	0.414553	8.05E-21	0.507991
0.320057	1.39E-12	0.306216	1.35E-11	0.242147	1.17E-07	0.26668	4.80E-09	0.578239
0.272241	2.22E-09	0.343397	2.27E-14	0.28431	3.92E-10	0.281374	6.03E-10	0.445782
0.312639	4.78E-12	0.396531	4.91E-19	0.281019	6.35E-10	0.363666	4.76E-16	0.667619
0.136191	0.00319	0.342746	2.56E-14	0.172831	0.00017	0.390901	1.69E-18	0.515972
0.147897	0.00135	0.31697	2.33E-12	0.217055	2.20E-06	0.262114	8.93E-09	0.777608
0.110885	0.01652	0.401184	1.74E-19	0.160435	0.0005	0.485407	5.60E-29	0.689775
0.173714	0.00016	0.565403	8.31E-41	0.240214	1.49E-07	0.664558	7.99E-61	0.89855
0.161236	0.00047	0.543006	3.60E-37	0.246789	6.57E-08	0.633514	9.11E-54	0.825312
0.368121	1.96E-16	0.544377	2.19E-37	0.484499	7.34E-29	0.399046	2.81E-19	0.729043
0.101702	0.02798	0.259094	1.34E-08	0.146598	0.00149	0.278083	9.70E-10	0.418886
0.522492	4.51E-34	0.648368	4.85E-57	0.460303	7.23E-26	0.629244	7.37E-53	0.712678
0.24808	5.58E-08	0.436696	3.62E-23	0.25409	2.58E-08	0.484067	8.34E-29	0.4982
0.141614	0.00216	0.307375	1.12E-11	0.214124	3.03E-06	0.297939	5.00E-11	0.378627
0.444188	5.31E-24	0.650552	1.54E-57	0.521736	5.82E-34	0.557776	1.54E-39	0.58497
0.122312	0.00814	0.328981	3.00E-13	0.240129	1.50E-07	0.293944	9.24E-11	0.488602
-0.06662	0.1506	-0.30895	8.71E-12	-0.14839	0.0013	-0.345	1.69E-14	-0.4923
0.420042	2.19E-21	0.320675	1.25E-12	0.310551	6.72E-12	0.22118	1.39E-06	0.525659
0.122317	0.00814	0.202817	1.00E-05	0.14407	0.0018	0.170014	0.00022	0.564584
0.333942	1.25E-13	0.318343	1.85E-12	0.319744	1.46E-12	0.217154	2.17E-06	0.415059
0.288632	2.06E-10	0.320537	1.28E-12	0.324431	6.60E-13	0.201534	1.14E-05	0.427718
0.147738	0.00137	0.38675	4.13E-18	0.201261	1.17E-05	0.446948	2.59E-24	0.496485
0.120812	0.00897	0.364947	3.69E-16	0.181914	7.70E-05	0.420076	2.17E-21	0.500145
-0.17312	0.00017	-0.27804	9.76E-10	-0.18712	4.72E-05	-0.27554	1.39E-09	-0.46975
0.133948	0.00373	0.20808	5.78E-06	0.124116	0.00725	0.19416	2.39E-05	0.642139
0.162916	0.00041	0.222204	1.24E-06	0.154336	0.00082	0.23812	1.92E-07	0.402333
0.476779	7.03E-28	0.538233	1.98E-36	0.386538	4.32E-18	0.520269	9.50E-34	0.509347
0.159231	0.00055	0.45057	9.95E-25	0.208215	5.70E-06	0.531029	2.46E-35	0.628744
0.593345	9.44E-46	0.652471	5.61E-58	0.564327	1.26E-40	0.520468	8.89E-34	0.840288

-0.04186	0.36673	-0.19864	1.53E-05	-0.08669	0.06123	-0.22723	6.96E-07	-0.42309
0.284647	3.73E-10	0.368445	1.84E-16	0.276591	1.20E-09	0.351565	4.94E-15	0.59967
0.42595	5.24E-22	0.728981	1.46E-78	0.506415	8.70E-32	0.703768	4.75E-71	0.755788
0.158688	0.00058	0.260144	1.16E-08	0.246862	6.51E-08	0.187323	4.63E-05	0.328219
0.073615	0.11212	0.21458	2.88E-06	0.110425	0.01698	0.234833	2.85E-07	0.336484
0.102062	0.02742	0.291811	1.28E-10	0.147854	0.00135	0.34126	3.36E-14	0.495601
0.253526	2.77E-08	0.443276	6.72E-24	0.292808	1.10E-10	0.428657	2.70E-22	0.775191
0.207723	6.00E-06	0.3308	2.18E-13	0.25898	1.36E-08	0.280562	6.78E-10	0.605178
0.264104	6.82E-09	0.307059	1.18E-11	0.278402	9.26E-10	0.21412	3.03E-06	0.376906
0.408841	3.05E-20	0.576342	1.10E-42	0.446864	2.64E-24	0.520706	8.21E-34	0.508963
0.529142	4.71E-35	0.417394	4.11E-21	0.473839	1.64E-27	0.274023	1.73E-09	0.300409
-0.02286	0.62217	-0.24092	1.36E-07	-0.10439	0.02407	-0.2711	2.61E-09	-0.49133
0.336089	8.55E-14	0.499072	8.78E-31	0.403442	1.05E-19	0.421127	1.69E-21	0.672527
0.08	0.08418	0.183102	6.89E-05	0.113952	0.01374	0.183353	6.73E-05	0.355297
0.147454	0.0014	0.350101	6.52E-15	0.247143	6.28E-08	0.319652	1.49E-12	0.490691
0.113585	0.01405	0.185586	5.46E-05	0.129483	0.00507	0.179665	9.46E-05	0.372142
0.116793	0.01154	0.252373	3.22E-08	0.157168	0.00065	0.260968	1.04E-08	0.404298
0.159939	0.00052	0.245274	7.94E-08	0.161935	0.00044	0.250969	3.86E-08	0.464448
0.246498	6.81E-08	0.210671	4.39E-06	0.218792	1.81E-06	0.152245	0.00097	0.387228
0.331181	2.04E-13	0.289259	1.88E-10	0.246776	6.58E-08	0.265876	5.36E-09	0.434465
0.170647	0.00021	0.408962	2.96E-20	0.223638	1.05E-06	0.428324	2.93E-22	0.814582
0.120798	0.00897	0.2316	4.18E-07	0.140412	0.00236	0.240858	1.37E-07	0.427222
0.070513	0.12811	0.201436	1.15E-05	0.094007	0.0423	0.228419	6.07E-07	0.379737
0.119134	0.00997	0.242899	1.07E-07	0.119655	0.00965	0.269854	3.10E-09	0.514462
0.311161	6.08E-12	0.527617	7.94E-35	0.341617	3.14E-14	0.523361	3.37E-34	0.810938
0.095346	0.03944	0.162175	0.00043	0.103422	0.02542	0.17703	0.00012	0.43329
0.110122	0.01728	0.300947	3.12E-11	0.18664	4.94E-05	0.315914	2.78E-12	0.518535
0.284079	4.06E-10	0.56557	7.79E-41	0.354072	3.07E-15	0.554719	4.88E-39	0.935072
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0.086923	0.06053	0.284526	3.80E-10	0.168039	0.00026	0.267499	4.29E-09	0.608575
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0.123534	0.00752	0.412719	1.24E-20	0.21001	4.71E-06	0.45821	1.28E-25	0.718988
0.384503	6.66E-18	0.753117	1.35E-86	0.563701	1.61E-40	0.663817	1.20E-60	0.707385
0.330254	2.40E-13	0.450668	9.70E-25	0.309689	7.73E-12	0.41702	4.50E-21	0.62529
0.205618	7.48E-06	0.313381	4.23E-12	0.215801	2.52E-06	0.291089	1.43E-10	0.429521
0.263836	7.07E-09	0.487088	3.39E-29	0.336235	8.33E-14	0.453395	4.69E-25	0.772948
0.24743	6.06E-08	0.599308	7.19E-47	0.311987	5.31E-12	0.657874	3.11E-59	0.940435
0.126139	0.00634	0.345491	1.54E-14	0.158213	0.0006	0.375092	4.76E-17	0.843155
0.002235	0.96158	0.040485	0.38271	0.021831	0.63795	0.015406	0.73984	0.401948
0.35553	2.32E-15	0.516867	2.94E-33	0.384081	7.29E-18	0.452337	6.22E-25	0.911827
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0.216898	2.23E-06	0.166457	0.0003	0.091227	0.04881	0.18297	6.98E-05	0.413346
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0.19593	2.01E-05	0.405219	6.98E-20	0.319728	1.47E-12	0.32736	3.98E-13	0.454521
0.398794	2.97E-19	0.80193	#####	0.522326	4.77E-34	0.789282	#####	0.844248



0.428172	3.04E-22	0.733475	5.42E-80	0.536226	4.01E-36	0.657757	3.31E-59	0.826966
0.100099	0.03056	0.282141	5.39E-10	0.135239	0.00341	0.292903	1.08E-10	0.697637
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0.224288	9.76E-07	0.443132	6.98E-24	0.261201	1.01E-08	0.451947	6.90E-25	0.868393
0.095773	0.03856	0.209043	5.22E-06	0.135336	0.00339	0.204742	8.20E-06	0.424044
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0.37505	4.80E-17	0.63353	9.03E-54	0.46156	5.12E-26	0.560802	4.89E-40	0.892426
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0.174501	0.00015	0.470819	3.87E-27	0.242113	1.18E-07	0.504187	1.77E-31	0.951656
0.123812	0.00739	0.34842	8.94E-15	0.160986	0.00048	0.39082	1.72E-18	0.844463
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0.365528	3.29E-16	0.697189	3.22E-69	0.421991	1.37E-21	0.737759	2.21E-81	0.798633
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0.154455	0.00081	0.448814	1.58E-24	0.207655	6.04E-06	0.503978	1.89E-31	0.929292
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0.206914	6.53E-06	0.538767	1.64E-36	0.247659	5.88E-08	0.633248	1.04E-53	0.750352
0.327334	4.00E-13	0.406355	5.39E-20	0.258929	1.37E-08	0.413861	9.47E-21	0.707968
0.019455	0.67497	0.029041	0.53129	0.021147	0.64853	0.016303	0.72529	0.324168
0.119286	0.00988	0.369955	1.36E-16	0.169167	0.00024	0.427944	3.22E-22	0.632111
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0.397553	3.92E-19	0.559631	7.64E-40	0.3803	1.62E-17	0.561161	4.26E-40	0.72083
0.476342	7.97E-28	0.617207	2.25E-50	0.504621	1.54E-31	0.509087	3.70E-32	0.744071
0.363643	4.78E-16	0.264967	6.07E-09	0.273045	1.98E-09	0.176326	0.00013	0.373246
0.026557	0.567	0.270235	2.94E-09	0.079068	0.08786	0.344124	1.99E-14	0.50769
0.044256	0.33994	0.058391	0.20784	0.029514	0.52462	0.062772	0.17567	0.304712

0.200223	1.30E-05	0.237373	2.10E-07	0.225413	8.58E-07	0.165271	0.00033	0.358505
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0.146871	0.00146	0.429833	2.02E-22	0.20078	1.23E-05	0.4809	2.12E-28	0.921407
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0.241536	1.26E-07	0.341197	3.40E-14	0.322972	8.47E-13	0.225514	8.48E-07	0.360981
0.344996	1.69E-14	0.30356	2.07E-11	0.323712	7.46E-13	0.162035	0.00044	0.638861
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0.170207	0.00022	0.309089	8.52E-12	0.225783	8.23E-07	0.248724	5.14E-08	0.814004
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0.540311	9.44E-37	0.696983	3.67E-69	0.635132	4.09E-54	0.510435	2.40E-32	0.716814
0.100156	0.03046	0.251911	3.42E-08	0.15248	0.00095	0.26621	5.12E-09	0.40569
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0.084496	0.0681	0.22914	5.58E-07	0.125485	0.00662	0.227639	6.64E-07	0.443774
0.122141	0.00823	0.275848	1.33E-09	0.155778	0.00073	0.26172	9.41E-09	0.681013
0.314664	3.42E-12	0.38844	2.87E-18	0.264882	6.14E-09	0.365272	3.46E-16	0.733171
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0.230169	4.95E-07	0.301298	2.96E-11	0.311881	5.41E-12	0.174749	0.00015	0.396828
0.315642	2.91E-12	0.370948	1.11E-16	0.346618	1.25E-14	0.269563	3.23E-09	0.43499
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0.157786	0.00062	0.348935	8.12E-15	0.176732	0.00012	0.384853	6.19E-18	0.674467
0.144028	0.00181	0.282194	5.35E-10	0.17548	0.00014	0.280023	7.33E-10	0.494258
0.409152	2.83E-20	0.539116	1.44E-36	0.390183	1.97E-18	0.511547	1.67E-32	0.758056
0.613658	1.16E-49	0.577478	6.94E-43	0.585122	3.02E-44	0.368994	1.65E-16	0.684816
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0.049304	0.28767	0.18052	8.75E-05	0.070788	0.12662	0.210953	4.26E-06	0.39108
0.158163	0.0006	0.347784	1.01E-14	0.152257	0.00096	0.410229	2.21E-20	0.564991
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0.227406	6.82E-07	0.200437	1.28E-05	0.275928	1.32E-09	0.04751	0.30558	0.363819
0.203809	9.03E-06	0.293899	9.31E-11	0.166557	0.0003	0.315076	3.19E-12	0.625319
0.241584	1.26E-07	0.357186	1.69E-15	0.258919	1.37E-08	0.315962	2.76E-12	0.681919
0.188663	4.08E-05	0.49611	2.20E-30	0.262413	8.57E-09	0.541504	6.16E-37	0.892905
0.311129	6.11E-12	0.30756	1.09E-11	0.328475	3.28E-13	0.178455	0.00011	0.358979
0.078867	0.08868	0.234439	2.99E-07	0.100017	0.03069	0.261025	1.03E-08	0.590472
0.151959	0.00099	0.395571	6.07E-19	0.266842	4.70E-09	0.363567	4.86E-16	0.662628
0.367953	2.03E-16	0.773538	3.72E-94	0.474548	1.34E-27	0.802974	#####	0.802298
0.119318	0.00986	0.176608	0.00012	0.108522	0.01898	0.182638	7.20E-05	0.525387
0.083	0.07314	0.273212	1.94E-09	0.126307	0.00627	0.286673	2.77E-10	0.763578
0.164388	0.00036	0.39677	4.66E-19	0.194177	2.39E-05	0.432933	9.34E-23	0.904013
0.252007	3.38E-08	0.302135	2.59E-11	0.281614	5.82E-10	0.223249	1.10E-06	0.489136
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-0.10707	0.02065	-0.2574	1.67E-08	-0.1826	7.22E-05	-0.24134	1.29E-07	-0.39919
0.228911	5.73E-07	0.625612	4.26E-52	0.312136	5.19E-12	0.71374	6.35E-74	0.728791
0.042823	0.35582	0.084046	0.06959	0.056575	0.22235	0.065544	0.15732	0.416778
0.365576	3.26E-16	0.546835	8.98E-38	0.25536	2.19E-08	0.665096	5.92E-61	0.688121
0.079673	0.08546	0.11448	0.01331	0.073839	0.11103	0.093376	0.04371	0.573967
0.450724	9.56E-25	0.506438	8.64E-32	0.439317	1.86E-23	0.422601	1.18E-21	0.659995
0.349798	6.90E-15	0.411306	1.72E-20	0.369531	1.48E-16	0.303816	1.99E-11	0.520011
0.063522	0.17055	0.133025	0.00398	0.093693	0.043	0.103578	0.0252	0.450383
0.165987	0.00032	0.282566	5.07E-10	0.193272	2.61E-05	0.283633	4.33E-10	0.502081
0.466515	1.30E-26	0.638549	7.41E-55	0.539639	1.20E-36	0.498217	1.15E-30	0.84979
0.05981	0.19698	-0.1548	0.00079	-0.0527	0.25571	-0.17874	0.0001	-0.36881
0.302574	2.42E-11	0.395906	5.64E-19	0.311933	5.36E-12	0.36482	3.79E-16	0.487614
0.086219	0.06265	0.338033	6.03E-14	0.15211	0.00098	0.376092	3.87E-17	0.726577
0.665105	5.89E-61	0.72745	4.40E-78	0.650527	1.56E-57	0.586264	1.88E-44	0.651506
0.304001	1.93E-11	0.313972	3.83E-12	0.321583	1.07E-12	0.204729	8.21E-06	0.401724
0.296893	5.87E-11	0.472131	2.66E-27	0.335025	1.03E-13	0.423974	8.48E-22	0.753922
0.339506	4.62E-14	0.449475	1.33E-24	0.238822	1.76E-07	0.496956	1.69E-30	0.740409
0.196717	1.86E-05	0.41997	2.23E-21	0.226382	7.68E-07	0.453258	4.87E-25	0.56913
0.086648	0.06135	0.153916	0.00085	0.110677	0.01673	0.127096	0.00595	0.506916
-0.15835	0.00059	-0.28954	1.80E-10	-0.1793	9.78E-05	-0.29608	6.66E-11	-0.37782
0.12072	0.00902	0.221502	1.34E-06	0.146132	0.00154	0.202856	9.96E-06	0.354943
-0.16283	0.00041	-0.34695	1.18E-14	-0.25699	1.76E-08	-0.32719	4.10E-13	-0.49902
0.205774	7.36E-06	0.285139	3.47E-10	0.272403	2.17E-09	0.197014	1.80E-05	0.404714
0.212269	3.70E-06	0.349492	7.31E-15	0.242681	1.10E-07	0.317064	2.30E-12	0.788945
0.267776	4.13E-09	0.556628	2.38E-39	0.280554	6.79E-10	0.668067	1.12E-61	0.632522
0.221658	1.31E-06	0.343202	2.35E-14	0.182573	7.24E-05	0.399956	2.29E-19	0.457873
0.245446	7.77E-08	0.43108	1.48E-22	0.287328	2.51E-10	0.41502	7.21E-21	0.742344
0.24111	1.33E-07	0.05524	0.23347	0.058309	0.20848	0.043371	0.3497	0.40208
0.094263	0.04174	0.187293	4.65E-05	0.139131	0.00258	0.161343	0.00046	0.348655
0.166685	0.0003	0.331239	2.02E-13	0.1879	4.39E-05	0.367331	2.30E-16	0.53243
0.275874	1.33E-09	0.46456	2.24E-26	0.328321	3.37E-13	0.417498	4.01E-21	0.825522
0.2394	1.64E-07	0.388239	3.00E-18	0.302382	2.49E-11	0.317491	2.14E-12	0.67607
0.097424	0.03532	0.2147	2.84E-06	0.129915	0.00493	0.226695	7.41E-07	0.376615
0.175611	0.00014	0.359869	1.00E-15	0.199813	1.36E-05	0.384893	6.13E-18	0.777572
0.236469	2.34E-07	0.463069	3.38E-26	0.290894	1.47E-10	0.448722	1.62E-24	0.714979
0.231191	4.39E-07	0.347711	1.02E-14	0.2709	2.68E-09	0.299186	4.11E-11	0.698049
0.389514	2.28E-18	0.367345	2.29E-16	0.382415	1.04E-17	0.238272	1.88E-07	0.439598
0.089281	0.05385	0.209272	5.09E-06	0.118268	0.01053	0.211513	4.01E-06	0.423655
0.232427	3.79E-07	0.277044	1.13E-09	0.23173	4.12E-07	0.221777	1.30E-06	0.495994
0.353759	3.26E-15	0.489165	1.82E-29	0.411219	1.76E-20	0.409813	2.43E-20	0.496985
0.140407	0.00236	0.428929	2.52E-22	0.212817	3.48E-06	0.488403	2.29E-29	0.710732
0.180866	8.48E-05	0.341536	3.19E-14	0.204614	8.31E-06	0.343937	2.05E-14	0.695701
0.114518	0.01328	0.393898	8.77E-19	0.187119	4.72E-05	0.454901	3.13E-25	0.54249
0.184899	5.83E-05	0.401364	1.67E-19	0.250695	4.00E-08	0.394776	7.24E-19	0.709908

0.266211	5.12E-09	0.318487	1.81E-12	0.26163	9.52E-09	0.249161	4.86E-08	0.591542
0.366006	2.99E-16	0.395614	6.02E-19	0.400839	1.88E-19	0.238581	1.81E-07	0.638442
0.287298	2.52E-10	0.466535	1.29E-26	0.327843	3.66E-13	0.456487	2.04E-25	0.536377
0.350337	6.24E-15	0.545735	1.34E-37	0.487334	3.15E-29	0.404384	8.45E-20	0.602001
0.043116	0.35254	0.14374	0.00184	0.087535	0.05873	0.122979	0.0078	0.655988
0.253846	2.66E-08	0.37775	2.75E-17	0.304557	1.76E-11	0.3089	8.78E-12	0.446028
0.001753	0.96986	-0.1077	0.01991	-0.01734	0.70861	-0.1314	0.00445	-0.31456
0.028595	0.53762	-0.03889	0.40181	0.004419	0.92412	-0.06532	0.15872	-0.13288
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0.006988	0.88028	0.260124	1.17E-08	0.089902	0.05219	0.312845	4.62E-12	0.487872
0.058374	0.20797	0.059971	0.19578	0.053908	0.24496	0.038157	0.41069	0.23871
0.083962	0.06987	0.080809	0.08108	0.036214	0.43494	0.091928	0.04709	0.189418
0.040788	0.37916	0.042083	0.3642	0.029954	0.51845	0.02996	0.51838	0.169054
0.034539	0.45651	0.133159	0.00394	0.049731	0.2835	0.163761	0.00038	0.352112
-0.03945	0.39504	0.027647	0.5512	-0.01269	0.78445	0.038091	0.41151	0.157863
0.025611	0.5809	0.201999	1.09E-05	0.071167	0.1246	0.224947	9.05E-07	0.455083
-0.00955	0.83697	-0.13156	0.0044	-0.02351	0.61235	-0.19265	2.77E-05	-0.30146
-0.02139	0.64476	0.117241	0.01123	0.029145	0.52982	0.133796	0.00377	0.241856
-0.01774	0.70221	0.101826	0.02778	-0.00524	0.91001	0.16666	0.0003	0.29437
0.013486	0.77131	0.188898	3.99E-05	0.073558	0.1124	0.209888	4.77E-06	0.399253
0.105943	0.02204	0.229551	5.32E-07	0.145988	0.00156	0.211559	3.99E-06	0.395582
-0.01123	0.80874	-0.11633	0.01188	-0.0557	0.2296	-0.14028	0.00238	-0.18686
0.01586	0.73247	0.060893	0.18898	0.039426	0.3953	0.050128	0.27968	0.148635
0.140327	0.00237	0.340706	3.71E-14	0.197302	1.75E-05	0.368005	2.01E-16	0.395663
-0.0458	0.32331	0.030523	0.51054	0.005667	0.90279	0.030199	0.51504	0.09552
-0.04561	0.3254	0.099161	0.03216	0.031493	0.49719	0.101315	0.02858	0.295123
0.009769	0.83323	0.106091	0.02185	0.043203	0.35157	0.110859	0.01655	0.147619
-0.07455	0.10761	0.112265	0.01521	0.025254	0.58619	0.120944	0.00889	0.236348
0.153463	0.00088	0.133286	0.00391	0.111968	0.01549	0.112098	0.01537	0.240821
-0.04768	0.30384	0.046716	0.31375	-0.03482	0.45289	0.094178	0.04192	0.107015
0.024715	0.59421	0.11796	0.01073	0.044529	0.33696	0.131756	0.00434	0.22488
0.07178	0.12138	0.154014	0.00084	0.07548	0.1033	0.166219	0.00031	0.308761
0.007776	0.8669	0.089567	0.05308	0.039555	0.39375	0.109358	0.01808	0.176926
-0.01362	0.76916	0.062833	0.17524	0.018926	0.68332	0.063918	0.1679	0.133024
-0.02997	0.51825	-0.00012	0.99798	-0.04642	0.31684	0.029629	0.52301	0.06299
-0.08135	0.07906	0.082526	0.0748	-7.33E-05	0.99874	0.107377	0.02029	0.222545
-0.00989	0.83119	0.1813	8.14E-05	0.074746	0.1067	0.196567	1.88E-05	0.403826
-0.00303	0.94786	0.042708	0.35711	0.031402	0.49843	0.027999	0.54614	0.12284
0.015526	0.7379	0.05073	0.27393	0.014135	0.76063	0.074292	0.10885	0.085121
0.201729	1.12E-05	0.320672	1.25E-12	0.271983	2.30E-09	0.248936	5.00E-08	0.412367
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0.017514	0.70581	0.117584	0.01099	0.078785	0.08901	0.095079	0.03999	0.256859
-0.05736	0.216	0.04798	0.30082	-0.04197	0.36548	0.087291	0.05944	0.183567
0.024507	0.59731	0.18062	8.67E-05	0.086017	0.06327	0.19602	1.99E-05	0.396331
0.103426	0.02541	0.203813	9.02E-06	0.120067	0.0094	0.227266	6.93E-07	0.311962

0.017639	0.70381	-0.10029	0.03024	-0.04549	0.32665	-0.12091	0.00891	-0.12736
0.082021	0.07661	0.210735	4.36E-06	0.070136	0.13016	0.248766	5.11E-08	0.432767
-0.04883	0.29229	0.153325	0.00089	0.037789	0.41522	0.193789	2.48E-05	0.298779
-0.00216	0.96282	0.164328	0.00036	0.073193	0.1142	0.174103	0.00016	0.339918
-0.0019	0.96727	0.059296	0.20086	0.024684	0.59468	0.058562	0.20651	0.13839
-0.01982	0.66916	0.088183	0.05688	0.013057	0.77838	0.131259	0.00449	0.245056
0.083721	0.07068	0.153067	0.0009	0.082117	0.07626	0.15993	0.00052	0.322457
-0.02062	0.65666	0.184858	5.85E-05	0.071965	0.12042	0.201694	1.12E-05	0.405745
-0.06702	0.14818	-0.01562	0.73633	-0.0316	0.49576	0.000992	0.98294	0.056648
0.069283	0.13492	-0.00269	0.95381	0.010885	0.81452	-0.0189	0.68372	0.009781
0.015991	0.73035	0.045924	0.32203	0.025052	0.58919	0.041002	0.37667	0.152516
-0.06056	0.19139	0.07675	0.09761	-0.00278	0.95218	0.103989	0.02462	0.247648
0.058986	0.20324	0.302263	2.54E-11	0.165292	0.00033	0.311485	5.77E-12	0.534026
0.018035	0.69747	0.099237	0.03203	0.034223	0.46064	0.122207	0.0082	0.252719
-0.08839	0.0563	0.087564	0.05865	-0.03077	0.50717	0.148347	0.0013	0.313653
-0.00288	0.95044	-0.05024	0.2786	0.001401	0.9759	-0.06331	0.17196	-0.10735
0.04759	0.30477	-0.10618	0.02174	-0.01092	0.81396	-0.14702	0.00144	-0.24757
0.070297	0.12928	0.196646	1.87E-05	0.10061	0.02971	0.21832	1.91E-06	0.424135
-0.00204	0.96494	0.173464	0.00017	0.062417	0.17813	0.19822	1.60E-05	0.361801
-0.04025	0.38543	0.088343	0.05643	-0.00313	0.94626	0.118085	0.01065	0.210369
-0.00819	0.85981	0.092093	0.0467	0.032809	0.47938	0.102583	0.02664	0.184902
0.00911	0.84433	0.129006	0.00524	0.062727	0.17598	0.129864	0.00494	0.242865
0.000245	0.99579	0.201478	1.15E-05	0.088916	0.05484	0.212223	3.72E-06	0.451488
-0.04659	0.31509	0.131341	0.00447	0.008384	0.85661	0.17441	0.00015	0.277892
-0.05349	0.24865	-0.17925	9.82E-05	-0.09157	0.04796	-0.19537	2.12E-05	-0.36963
0.088237	0.05673	0.079742	0.08519	0.085067	0.06625	0.062162	0.17991	0.162741
-0.03512	0.4489	0.097378	0.0354	-0.01424	0.75892	0.144713	0.00172	0.293437
-0.02873	0.53567	-0.17129	0.0002	-0.1019	0.02768	-0.1741	0.00016	-0.36553
0.107902	0.01968	0.274309	1.66E-09	0.171929	0.00019	0.270603	2.79E-09	0.409588
-0.01047	0.82148	0.147915	0.00135	0.053837	0.24558	0.162508	0.00042	0.342636
0.025143	0.58784	0.178124	0.00011	0.08027	0.08313	0.189725	3.68E-05	0.36678
-0.01398	0.76322	0.134762	0.00353	0.032845	0.4789	0.165786	0.00032	0.258553
-0.07837	0.0907	0.090976	0.04944	-0.02679	0.56354	0.142286	0.00205	0.229003
0.033759	0.46674	0.044072	0.34195	0.057282	0.21661	0.015641	0.73602	0.070936
-0.04457	0.33656	0.16139	0.00046	0.028888	0.53347	0.20184	1.11E-05	0.402098
0.034825	0.45279	-0.09534	0.03945	-0.03284	0.47898	-0.11245	0.01504	-0.26336
0.087454	0.05896	-0.01596	0.73078	0.067144	0.14741	-0.08977	0.05254	-0.14052
0.027689	0.5506	0.173873	0.00016	0.051047	0.27094	0.219609	1.65E-06	0.352376
0.068217	0.14103	0.037716	0.41613	0.035049	0.44988	0.015295	0.74165	0.098715
0.056967	0.21916	0.190868	3.30E-05	0.085677	0.06432	0.214706	2.84E-06	0.362729
0.027596	0.55193	0.23514	2.75E-07	0.103773	0.02492	0.25742	1.67E-08	0.463654
-0.03946	0.39487	0.156424	0.00069	0.031755	0.49362	0.196424	1.91E-05	0.364561
0.038039	0.41215	0.206274	6.99E-06	0.090252	0.05128	0.22992	5.09E-07	0.406115
-0.07226	0.11888	-0.14473	0.00171	-0.07577	0.10196	-0.15781	0.00062	-0.22935
-0.0426	0.35832	-0.1419	0.00211	-0.04988	0.28206	-0.17868	0.0001	-0.32865

0.057094	0.21813	0.180646	8.65E-05	0.093065	0.04442	0.184542	6.03E-05	0.36207
-0.04499	0.33195	-0.25378	2.68E-08	-0.11058	0.01682	-0.28685	2.70E-10	-0.42642
0.022573	0.62658	0.087919	0.05763	0.028052	0.54538	0.08538	0.06526	0.159825
-0.00508	0.91283	0.193196	2.63E-05	0.058159	0.20965	0.237658	2.03E-07	0.398742
0.006654	0.88597	0.049461	0.28613	0.015852	0.7326	0.05586	0.22826	0.209082
-0.00782	0.86619	0.019513	0.67405	-0.02729	0.55635	0.049609	0.28469	0.081467
0.053811	0.24581	0.08522	0.06576	0.067904	0.14287	0.059984	0.19568	0.180774
0.075876	0.10149	0.138443	0.00272	0.063864	0.16826	0.14551	0.00162	0.339167
0.025344	0.58485	-0.14068	0.00231	-0.06015	0.19441	-0.15428	0.00082	-0.32718
0.019836	0.66898	0.123902	0.00735	0.051633	0.26547	0.126373	0.00625	0.163949
0.045089	0.33092	0.071045	0.12525	0.061558	0.18419	0.047259	0.30815	0.185163
0.017529	0.70556	0.092284	0.04624	0.041061	0.37598	0.111851	0.0156	0.206685
0.017648	0.70365	0.174175	0.00016	0.098022	0.0342	0.169559	0.00023	0.382331
-0.02085	0.65309	0.044999	0.33188	-0.00032	0.99453	0.050591	0.27525	0.102177
0.020992	0.65092	0.068425	0.13982	0.030193	0.51512	0.077117	0.09601	0.116602
0.017334	0.70869	0.194354	2.35E-05	0.101003	0.02908	0.19456	2.30E-05	0.395337
-0.01131	0.80741	0.163829	0.00038	0.062867	0.17501	0.175305	0.00014	0.336709
0.043951	0.34328	0.177865	0.00011	0.061196	0.18679	0.218258	1.92E-06	0.302145
-0.04752	0.30553	0.130211	0.00483	0.035879	0.43921	0.149742	0.00117	0.349866
0.100393	0.03007	0.137164	0.00298	0.057653	0.21365	0.160653	0.00049	0.297669
0.0447	0.33511	0.211882	3.85E-06	0.113986	0.01371	0.22095	1.42E-06	0.373997
-7.47E-05	0.99872	0.166116	0.00031	0.065819	0.15558	0.192328	2.86E-05	0.369613
0.008055	0.86217	0.079107	0.08771	0.036848	0.42694	0.100071	0.0306	0.165594
-0.04687	0.31211	0.079512	0.08609	0.03437	0.45871	0.074063	0.10995	0.234843
0.033123	0.47518	0.097822	0.03457	0.069892	0.13151	0.072354	0.11842	0.233786
0.026214	0.57203	0.186149	5.18E-05	0.086083	0.06306	0.198654	1.53E-05	0.31713
0.03162	0.49546	0.22929	5.48E-07	0.119305	0.00987	0.229942	5.08E-07	0.474267
0.075183	0.10466	0.160291	0.00051	0.135803	0.00328	0.135093	0.00344	0.284015
0.012422	0.78891	-0.00457	0.92162	-0.0101	0.82772	-0.00479	0.91777	0.11678
-0.05641	0.22368	0.03263	0.48178	-0.00565	0.90301	0.050773	0.27353	0.148874
-0.06497	0.16099	0.102638	0.02656	0.024149	0.60269	0.12095	0.00889	0.251197
-0.0267	0.56488	0.129702	0.005	0.036132	0.43599	0.159072	0.00056	0.31612
-0.00859	0.85321	0.138416	0.00272	0.052998	0.25302	0.152387	0.00095	0.326782
-0.04555	0.32604	0.131396	0.00445	0.030418	0.512	0.153727	0.00086	0.388682
0.048761	0.29302	0.169094	0.00024	0.080632	0.08175	0.173215	0.00017	0.315828
-0.09988	0.03092	-0.02555	0.58179	-0.07766	0.0937	0.019125	0.68018	0.031459
-0.03889	0.40177	0.086554	0.06163	0.032095	0.489	0.087923	0.05762	0.250225
0.02989	0.51936	0.147801	0.00136	0.055127	0.23444	0.160577	0.0005	0.332836
0.069269	0.13499	0.144623	0.00173	0.072592	0.11721	0.168834	0.00025	0.304277
0.171535	0.0002	0.215008	2.75E-06	0.161207	0.00047	0.194363	2.34E-05	0.404599
-0.12585	0.00646	-0.11429	0.01346	-0.12427	0.00717	-0.09008	0.05173	0.018138
-0.06547	0.15776	0.078888	0.08859	0.024302	0.60039	0.082821	0.07377	0.169848
-0.01395	0.76363	-0.16575	0.00032	-0.05935	0.20042	-0.20729	6.28E-06	-0.34441
-0.02731	0.55606	0.038096	0.41144	0.031657	0.49496	0.025219	0.5867	0.129263
-0.01066	0.81832	0.151842	0.001	0.05205	0.26163	0.183755	6.49E-05	0.313364

-0.00938	0.83974	0.166829	0.00029	0.05552	0.23111	0.195157	2.17E-05	0.411018
0.081136	0.07985	0.229351	5.44E-07	0.115886	0.01221	0.258117	1.52E-08	0.391683
-0.07194	0.12057	-0.14318	0.00192	-0.05025	0.27855	-0.17529	0.00014	-0.21314
-0.08103	0.08025	0.043091	0.35281	-0.01872	0.68654	0.076631	0.09812	0.084802
0.040135	0.38685	0.239914	1.54E-07	0.116484	0.01177	0.256491	1.88E-08	0.341653
0.040159	0.38657	0.166993	0.00029	0.07061	0.12758	0.183826	6.44E-05	0.314477
-0.06013	0.1946	0.088839	0.05505	0.030955	0.50457	0.092292	0.04622	0.207048
-0.01735	0.70835	0.075251	0.10435	0.04888	0.29184	0.060182	0.1942	0.137923
-0.01299	0.77956	0.112342	0.01514	0.039009	0.40032	0.121675	0.00848	0.309842
-0.00799	0.86321	0.151874	0.00099	0.060575	0.19131	0.163407	0.00039	0.296268
0.033314	0.47264	0.271802	2.36E-09	0.119665	0.00964	0.312508	4.88E-12	0.439118
0.018913	0.68353	0.104044	0.02455	0.029394	0.52631	0.115959	0.01215	0.25972
-0.05469	0.23821	0.079138	0.08758	0.004368	0.92499	0.093586	0.04324	0.299296
0.007361	0.87395	0.174558	0.00015	0.055523	0.23108	0.20977	4.83E-06	0.418291
0.099198	0.0321	0.181822	7.76E-05	0.109685	0.01773	0.188349	4.20E-05	0.210518
0.045579	0.32569	0.195631	2.07E-05	0.083997	0.06975	0.216349	2.37E-06	0.449821
0.045372	0.32788	-0.02859	0.53763	0.042706	0.35714	-0.06022	0.19392	-0.13636
0.064488	0.16413	0.194254	2.37E-05	0.092811	0.045	0.202339	1.05E-05	0.417396
0.001236	0.97876	-0.06822	0.14104	0.000685	0.98822	-0.09321	0.04408	-0.16712
-0.03563	0.44243	0.01709	0.71261	-0.03412	0.46197	0.04609	0.32029	0.066098
0.074681	0.10701	0.128652	0.00536	0.063349	0.17173	0.132706	0.00407	0.230582
0.013563	0.77004	0.130845	0.00462	0.062789	0.17555	0.141818	0.00213	0.16762
0.028418	0.54014	0.062082	0.18047	0.028973	0.53226	0.063237	0.17248	0.19734
0.014257	0.75862	0.195701	2.05E-05	0.099051	0.03235	0.212918	3.45E-06	0.318636
0.014676	0.75176	0.099327	0.03187	0.035013	0.45035	0.111046	0.01636	0.212282
0.126505	0.00619	0.222652	1.18E-06	0.139965	0.00243	0.222393	1.21E-06	0.425039
0.01181	0.79908	0.196091	1.97E-05	0.052612	0.2565	0.25028	4.22E-08	0.399338
0.031765	0.49348	0.032373	0.48525	0.018556	0.68918	0.021992	0.63547	0.123781
-0.04012	0.38701	0.049939	0.28149	0.008188	0.85992	0.062093	0.18039	0.086077
0.002665	0.9542	0.085711	0.06422	0.005234	0.91019	0.136002	0.00323	0.109736
-0.00881	0.84932	0.120374	0.00922	0.059116	0.20224	0.110996	0.01641	0.244499
-0.01764	0.70387	0.154453	0.00081	0.036154	0.43571	0.197273	1.76E-05	0.36105
-0.00205	0.96477	0.090542	0.05053	0.010924	0.81387	0.126351	0.00625	0.226787
0.036392	0.43269	0.231152	4.41E-07	0.086276	0.06247	0.265986	5.28E-09	0.332422
-0.06486	0.16169	0.101128	0.02888	0.025824	0.57776	0.116271	0.01192	0.279522
0.018611	0.68832	0.138922	0.00262	0.05548	0.23144	0.160062	0.00052	0.346583
0.038718	0.40384	0.104382	0.02408	0.053266	0.25063	0.104332	0.02415	0.198316
-0.0417	0.36857	0.117045	0.01136	0.040753	0.37957	0.1361	0.00321	0.296996
0.053718	0.24663	0.15119	0.00105	0.098422	0.03347	0.132324	0.00418	0.339123
-0.01409	0.7614	0.131561	0.0044	0.047534	0.30534	0.135002	0.00347	0.309501
-0.06211	0.18029	0.04261	0.35823	0.044554	0.33669	0.018323	0.69289	0.108657
0.004084	0.92987	-0.04457	0.33648	0.017491	0.70618	-0.06924	0.13518	-0.12965
-0.00813	0.8609	0.167837	0.00027	0.075123	0.10494	0.168737	0.00025	0.384627
0.05779	0.21257	0.105924	0.02206	0.061049	0.18785	0.104261	0.02425	0.233766
0.064004	0.16733	0.013479	0.77142	0.024633	0.59543	0.003061	0.9474	0.143713

-0.11218	0.01529	-0.00774	0.86753	-0.07896	0.08831	0.03438	0.45858	0.116819
0.037715	0.41614	0.195612	2.07E-05	0.077386	0.09485	0.223927	1.02E-06	0.40853
-0.00396	0.93204	0.060219	0.19393	-0.00027	0.99539	0.101717	0.02795	0.18426
0.060234	0.19382	0.120978	0.00887	0.088519	0.05594	0.099345	0.03184	0.288907
0.04169	0.36871	-0.06311	0.17335	0.006344	0.89124	-0.09819	0.03389	-0.16888
0.016928	0.71521	0.076822	0.09729	0.054921	0.23619	0.071952	0.12048	0.194396
0.028654	0.53678	0.188344	4.20E-05	0.071822	0.12116	0.224676	9.34E-07	0.413993
-0.03594	0.43849	0.114929	0.01295	0.042279	0.36197	0.14087	0.00228	0.257022
0.074093	0.1098	0.227067	7.10E-07	0.120247	0.00929	0.251361	3.67E-08	0.339989
-0.00929	0.84134	-0.10083	0.02936	-0.01479	0.74993	-0.1479	0.00135	-0.2778
-0.12977	0.00497	-0.14153	0.00217	-0.09082	0.04984	-0.13791	0.00282	-0.25987
0.035106	0.44914	0.123492	0.00755	0.056261	0.22493	0.149312	0.00121	0.158137
-0.04254	0.35905	-0.02204	0.63473	-0.04471	0.33503	0.008819	0.84925	0.000284
0.013719	0.76747	0.123128	0.00773	0.058261	0.20886	0.125806	0.00648	0.268128
-0.02855	0.53828	0.051339	0.26821	0.009234	0.84225	0.058849	0.20429	0.191682
0.004197	0.92793	0.03936	0.39609	0.027018	0.5603	0.0325	0.48353	0.179217
0.006417	0.89001	0.25529	2.21E-08	0.101369	0.0285	0.281136	6.24E-10	0.597326
0.019029	0.6817	0.171495	0.0002	0.06588	0.1552	0.193057	2.66E-05	0.422511
0.020027	0.66598	0.094316	0.04162	0.03299	0.47696	0.119567	0.0097	0.201252
0.021872	0.63733	0.032988	0.47698	0.001667	0.97135	0.042058	0.36449	0.112896
-0.0759	0.10138	0.11473	0.01311	0.035957	0.43822	0.124254	0.00718	0.348494
0.145041	0.00167	0.149306	0.00121	0.132898	0.00401	0.116529	0.01173	0.284396
-0.02758	0.55209	0.156317	0.0007	0.074269	0.10896	0.160213	0.00051	0.321725
0.021575	0.64191	0.092852	0.04491	0.028729	0.53572	0.098957	0.03252	0.228248
0.103411	0.02543	0.154277	0.00082	0.06503	0.16061	0.19957	1.39E-05	0.276656
-0.0038	0.93478	0.029773	0.52099	0.021416	0.64436	0.025709	0.57946	0.260624
-0.05844	0.20746	0.15261	0.00094	0.030242	0.51444	0.186645	4.94E-05	0.321072
0.051256	0.26898	0.178832	0.0001	0.114193	0.01354	0.165803	0.00032	0.310186
0.017063	0.71304	-0.06264	0.17655	-0.04501	0.33179	-0.05994	0.19603	-0.02339
-0.00415	0.9288	0.136695	0.00308	0.045077	0.33105	0.148608	0.00128	0.255153
0.032576	0.48251	0.143228	0.00192	0.062212	0.17956	0.153675	0.00086	0.360392
0.08503	0.06637	0.187336	4.63E-05	0.137927	0.00282	0.170322	0.00022	0.286348
-0.14333	0.0019	-0.03252	0.48327	-0.08335	0.07192	0.006129	0.89491	0.115287
0.023945	0.60576	0.083375	0.07185	0.055971	0.22734	0.080362	0.08278	0.174625
-0.04436	0.33881	0.073103	0.11465	0.010635	0.8187	0.092649	0.04538	0.278842
0.009639	0.83543	0.0618	0.18246	0.042486	0.35963	0.06414	0.16642	0.129094
0.09946	0.03164	0.07215	0.11946	0.037438	0.41958	0.079142	0.08757	0.180375
-0.03239	0.48502	0.055776	0.22896	0.033347	0.4722	0.063384	0.17149	0.146503
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0.005758	0.90125	0.129371	0.00511	0.051991	0.26217	0.141939	0.00211	0.209518
0.093673	0.04304	0.222405	1.21E-06	0.14011	0.00241	0.207475	6.16E-06	0.390427
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0.219686	1.64E-06	0.228347	6.12E-07	0.176794	0.00012	0.200606	1.25E-05	0.286588
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-0.02523	0.58651	-0.00343	0.94112	-0.00109	0.98131	-0.02072	0.6552	0.051172
0.004572	0.92151	0.023149	0.6178	0.025922	0.57632	-0.00177	0.96956	0.003158
0.02179	0.63858	0.000262	0.99549	0.019475	0.67465	-0.02665	0.56562	-0.12613
0.0226	0.62616	-0.13637	0.00315	-0.08073	0.08139	-0.12216	0.00823	-0.31897
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0.010847	0.81516	-0.00748	0.87186	0.008537	0.85401	-0.03892	0.4014	-0.05241
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0.044756	0.33451	0.037516	0.41861	0.032996	0.47688	0.035601	0.44277	0.044632
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0.034224	0.46063	0.046485	0.31615	0.050289	0.27813	0.01661	0.72034	-0.01634
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0.020417	0.65989	0.042095	0.36406	0.016472	0.72256	0.04991	0.28178	0.077954
0.005199	0.91079	-0.00561	0.90377	0.02003	0.66593	-0.02255	0.6269	-0.06519
0.070111	0.1303	0.088856	0.055	0.068982	0.13662	0.065933	0.15486	0.05489
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-0.00402	0.93093	-0.03321	0.47406	-0.00121	0.97923	-0.03182	0.49275	-0.05135
-0.02067	0.65591	-0.03573	0.44114	-0.02105	0.64998	-0.04181	0.36734	-0.06042
0.012968	0.77986	-0.03325	0.4735	-0.00828	0.85843	-0.04898	0.29087	-0.11962
0.088308	0.05652	0.055696	0.22963	0.065114	0.16007	0.052029	0.26182	0.098435
-0.01841	0.69155	0.054809	0.23715	0.008395	0.85642	0.080292	0.08305	0.072711
0.002713	0.95338	-0.04979	0.28293	-0.00109	0.98124	-0.06497	0.161	-0.09734
0.012865	0.78156	-0.06203	0.18086	-0.0103	0.82438	-0.08007	0.08391	-0.12844
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-0.1061	0.02184	-0.13168	0.00437	-0.09251	0.04572	-0.14098	0.00226	-0.22128
-0.11557	0.01245	-0.08883	0.05508	-0.09319	0.04412	-0.07614	0.10031	-0.1609
0.00776	0.86718	0.036874	0.42662	0.032961	0.47734	0.033509	0.47005	-0.01526
0.021764	0.63899	0.039927	0.38931	0.002739	0.95292	0.048974	0.29091	0.000949
-0.00792	0.86454	-0.05867	0.20566	-0.0033	0.94338	-0.09791	0.03441	-0.09315
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-0.00671	0.885	-0.00784	0.86588	0.002299	0.96049	-0.0227	0.62461	-0.01823
0.039829	0.39048	0.083866	0.07019	0.07296	0.11536	0.061771	0.18267	0.147554
-0.03674	0.4283	-0.00784	0.86587	-0.0083	0.85809	-0.02007	0.66523	-0.0345
0.100477	0.02993	0.060732	0.19016	0.048618	0.29443	0.055772	0.22899	0.052443
-0.07038	0.12881	-0.089	0.05462	-0.06421	0.16593	-0.08211	0.0763	-0.25179
-0.05476	0.23755	-0.10663	0.02119	-0.10634	0.02154	-0.07374	0.11149	-0.16315
-0.00398	0.93169	0.046113	0.32004	0.017041	0.7134	0.044616	0.33602	-0.00151
-0.03928	0.39706	0.03469	0.45454	0.001607	0.97237	0.030094	0.51651	0.070009
0.019386	0.67605	-0.01234	0.79023	0.018317	0.69299	-0.04095	0.37731	-0.1075
-0.02443	0.59851	-0.04271	0.35706	0.001377	0.97633	-0.08957	0.05308	-0.06913
0.000309	0.99468	0.04452	0.33706	0.009726	0.83396	0.045982	0.32142	0.029089

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0.112649	0.01487	0.014864	0.74868	0.040799	0.37904	0.003949	0.93217	-0.02212
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-0.03543	0.44494	-0.0473	0.30776	-0.02453	0.597	-0.06268	0.1763	-0.11567
-0.07914	0.08758	-0.02297	0.62051	-0.0228	0.62308	-0.03197	0.49063	-0.09367
-0.05506	0.23501	-0.02571	0.57944	-0.01772	0.70258	-0.0384	0.40776	-0.03694
-0.04087	0.37823	0.021273	0.64657	0.005608	0.9038	0.006552	0.8877	0.044872
0.038141	0.41089	0.101725	0.02794	0.081744	0.07761	0.077777	0.09319	0.101738
0.019255	0.67812	-0.01421	0.75939	-0.00339	0.94179	-0.02558	0.58139	0.009023
0.021377	0.64496	0.028478	0.53929	0.039882	0.38985	-0.01096	0.81329	-0.06907
0.042976	0.3541	-0.0284	0.54041	-0.00519	0.91097	-0.02986	0.51971	-0.02399
0.006192	0.89383	-0.01164	0.80193	-0.00033	0.99435	-0.02751	0.55324	-0.06025
0.03295	0.47749	0.052151	0.2607	0.053778	0.2461	0.009116	0.84423	0.010801
-0.01869	0.68701	0.00601	0.89693	-0.00916	0.84347	0.010229	0.8255	0.042833
0.111719	0.01572	0.024442	0.5983	0.089129	0.05426	-0.02687	0.5625	-0.05345
-0.08953	0.05318	-0.06451	0.16396	-0.07653	0.09857	-0.04475	0.33461	-0.14478
-0.02351	0.61239	0.007703	0.86815	0.01128	0.80792	-0.01026	0.82502	-0.01938
0.008962	0.84684	-0.09238	0.04602	-0.03129	0.50002	-0.12013	0.00937	-0.17339
0.140016	0.00242	0.104357	0.02411	0.118281	0.01052	0.076124	0.10038	0.134065
0.0128	0.78264	0.046341	0.31765	0.032005	0.49022	0.051317	0.26841	0.215593
-0.0159	0.73176	-0.01469	0.75146	0.000179	0.99692	-0.00378	0.9351	0.021836
0.150541	0.0011	0.076555	0.09846	0.120055	0.00941	0.035854	0.43954	0.031913
-0.01043	0.82213	0.013828	0.76567	0.019221	0.67865	0.000952	0.98364	0.092319
-0.04979	0.28292	-0.05482	0.23704	-0.01578	0.73375	-0.08482	0.06705	-0.08958
-0.04474	0.3347	-0.04098	0.37693	-0.02402	0.60456	-0.04549	0.32664	-0.0704
-0.01212	0.79389	0.010992	0.81273	0.001621	0.97213	0.017671	0.70329	0.08768
-0.0234	0.61405	-0.07014	0.13013	-0.05112	0.27025	-0.07333	0.1135	-0.03728
0.046599	0.31497	-0.03409	0.46236	0.029277	0.52796	-0.07943	0.08641	-0.10774
-0.03515	0.44854	-0.03604	0.43718	-0.01468	0.7517	-0.05955	0.19892	-0.08974
0.129183	0.00518	0.089551	0.05312	0.085154	0.06597	0.083261	0.07224	0.13267
0.121201	0.00875	0.018847	0.68457	0.060259	0.19364	-0.01156	0.80323	0.104627
-0.00419	0.92809	-0.05269	0.2558	-0.01564	0.73604	-0.06484	0.16183	-0.1074
0.052164	0.26058	0.018648	0.68773	0.051072	0.27071	-0.00869	0.8514	0.022928
0.03592	0.43869	0.020158	0.66392	0.014875	0.74851	0.026612	0.56621	0.003965
-0.11434	0.01342	-0.09313	0.04428	-0.08869	0.05546	-0.09362	0.04317	-0.15082
-0.0564	0.22377	0.039996	0.38849	-0.00679	0.88364	0.039214	0.39784	0.059767
0.023331	0.61503	-0.01036	0.82326	0.01288	0.78132	-0.03256	0.48274	0.030871
-0.00241	0.95858	-0.03301	0.47671	0.000662	0.98862	-0.06575	0.15604	-0.08508
0.000175	0.997	-0.00568	0.90265	0.020663	0.65604	-0.0288	0.53467	0.005529
-0.04206	0.36449	-0.04079	0.37918	-0.04875	0.29315	-0.02447	0.59788	-0.05308
0.010613	0.81907	-0.06589	0.15516	-0.05947	0.19957	-0.04474	0.33473	-0.08383
-0.04653	0.3157	0.009955	0.83011	-0.02087	0.65281	0.027593	0.55198	0.00325
-0.04612	0.31997	-0.03356	0.46932	-0.02295	0.62078	-0.05215	0.26071	-0.04091
-0.03934	0.39638	0.020042	0.66575	-0.00076	0.98688	0.015186	0.74343	0.063712
0.017769	0.70173	0.032211	0.48744	0.024959	0.59057	0.024211	0.60175	-0.04675

-0.01878	0.68556	0.029314	0.52743	0.002465	0.95764	0.035215	0.44773	-0.00795
0.050091	0.28003	0.002882	0.95047	0.037441	0.41954	-0.02883	0.53428	-0.12806
-0.02211	0.63368	0.022762	0.62369	-0.0043	0.92615	0.031084	0.5028	0.170227
0.053873	0.24527	0.044835	0.33365	0.00437	0.92496	0.067331	0.14628	-0.05256
-0.02256	0.62676	-0.0645	0.16403	-0.03165	0.49508	-0.07685	0.09717	-0.17787
-0.0925	0.04572	-0.06604	0.15419	-0.078	0.09226	-0.04343	0.34901	-0.10923
0.015207	0.7431	0.023998	0.60496	0.016995	0.71414	0.006224	0.89329	-0.0209
0.11811	0.01063	0.056312	0.22451	0.056636	0.22185	0.058614	0.2061	0.093504
-0.02405	0.60416	-0.01307	0.77816	0.002647	0.9545	-0.01428	0.7583	-0.06348
-0.00396	0.93204	-0.08498	0.06652	-0.04122	0.37411	-0.09393	0.04247	-0.19542
0.007103	0.87832	-0.07665	0.09803	-0.01923	0.67847	-0.10478	0.02354	-0.21474
-0.09291	0.04476	-0.08305	0.07298	-0.06691	0.14883	-0.09099	0.04941	-0.05697
0.060064	0.19508	0.001057	0.98183	0.080249	0.08321	-0.07738	0.09486	-0.0985
-0.00145	0.97515	-0.0364	0.43253	0.018026	0.69762	-0.08648	0.06185	-0.09648
-0.08915	0.05419	-0.05098	0.27156	-0.06222	0.17948	-0.02686	0.5626	0.029833
-0.01812	0.69607	-0.02085	0.65306	0.019951	0.66717	-0.06375	0.16904	-0.07729
-0.00229	0.96055	-0.02681	0.56338	-0.01145	0.80509	-0.02933	0.52725	-0.06461
0.101758	0.02789	0.049059	0.29007	0.047445	0.30625	0.045961	0.32164	0.074669
0.083321	0.07204	0.054017	0.244	0.036145	0.43583	0.058442	0.20744	0.123899
-0.03869	0.40424	-0.04878	0.29283	-0.0214	0.64462	-0.0652	0.1595	-0.14274
0.10619	0.02173	0.047174	0.30903	0.07959	0.08578	0.001271	0.97815	-0.02086
-0.05263	0.25633	-0.05372	0.24665	-0.05774	0.213	-0.02752	0.55298	-0.09256
-0.02776	0.54961	-0.00554	0.9049	-0.01921	0.67889	-0.01034	0.82357	-0.06479
-0.12424	0.00719	-0.07541	0.10362	-0.08406	0.06953	-0.06415	0.16634	-0.06775
0.021662	0.64055	0.105075	0.02315	0.079182	0.08741	0.080322	0.08293	0.136524
-0.00672	0.88481	0.030124	0.51609	-0.01289	0.78119	0.048703	0.29359	4.43E-05
-0.02467	0.59489	0.023073	0.61894	0.002742	0.95288	0.023262	0.61608	0.091639
-0.01978	0.66992	-0.04817	0.29892	-0.01688	0.71606	-0.06689	0.14893	-0.15043
-0.04824	0.29825	-0.0018	0.96901	-0.02125	0.64694	-0.00036	0.99376	0.032971
0.048168	0.29893	0.037893	0.41394	0.065601	0.15696	0.004608	0.9209	-0.03735
0.033039	0.4763	-0.0058	0.90051	0.018705	0.68682	-0.02135	0.64545	-0.10303
-0.08001	0.08413	-0.01016	0.82664	-0.02091	0.65227	-0.00916	0.84352	-0.00246
0.067801	0.14348	0.042357	0.36109	0.037431	0.41967	0.033854	0.46549	0.082715
-0.01709	0.7126	-0.01072	0.8172	0.007635	0.86929	-0.02561	0.58095	-0.07324
0.001739	0.9701	-0.00624	0.89297	0.012296	0.79099	-0.00677	0.88408	-0.01235
0.007336	0.87438	-0.05212	0.26099	-0.0121	0.79433	-0.06777	0.14366	-0.08928
0.016411	0.72354	-0.06109	0.18752	0.010779	0.8163	-0.11097	0.01644	-0.14622
-0.09615	0.03779	-0.11967	0.00964	-0.10365	0.02509	-0.10951	0.01792	-0.18338
0.001626	0.97205	0.015379	0.74029	0.006531	0.88807	0.023663	0.61001	0.001245
-0.00404	0.93063	-0.01458	0.75341	-0.00548	0.90593	-0.03269	0.48095	-0.00855
0.079358	0.0867	0.053091	0.25219	0.064628	0.16321	0.050825	0.27303	0.042791
-0.08827	0.05664	-0.04818	0.29884	-0.02271	0.62452	-0.08736	0.05923	-0.1105
0.036954	0.42562	0.022981	0.62034	0.049524	0.28552	-0.01476	0.75036	-0.02192
-0.02254	0.62704	-0.05773	0.21302	-0.02527	0.586	-0.06829	0.14059	-0.09478
-0.01677	0.71779	0.007072	0.87886	-0.00406	0.93032	-0.00491	0.91572	0.063118

0.041943	0.3658	-0.15383	0.00085	-0.00569	0.90236	-0.20332	9.50E-06	-0.31809
0.103631	0.02512	0.286789	2.72E-10	0.132974	0.00399	0.320248	1.34E-12	0.535949
0.107991	0.01958	0.232853	3.61E-07	0.117892	0.01078	0.237282	2.12E-07	0.433718
0.161568	0.00046	0.183923	6.38E-05	0.146994	0.00145	0.142889	0.00197	0.317918
0.070975	0.12562	0.193771	2.48E-05	0.077149	0.09587	0.256127	1.98E-08	0.339374
0.160303	0.00051	0.316559	2.50E-12	0.185075	5.73E-05	0.326619	4.53E-13	0.644301
0.283222	4.60E-10	0.296925	5.84E-11	0.291171	1.41E-10	0.201076	1.20E-05	0.35059
0.057955	0.21126	0.174087	0.00016	0.062688	0.17625	0.205126	7.88E-06	0.354614
0.064455	0.16435	0.158927	0.00057	0.076064	0.10065	0.167982	0.00027	0.451866
0.128152	0.00555	0.335533	9.44E-14	0.179826	9.32E-05	0.354793	2.67E-15	0.686555
-0.04085	0.37846	-0.11274	0.01478	-0.02997	0.51819	-0.15635	0.0007	-0.2394
-0.01449	0.75483	0.075854	0.10159	0.016951	0.71484	0.089295	0.05381	0.307955
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0.018332	0.69275	0.113553	0.01408	0.058286	0.20866	0.112983	0.01457	0.322946
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0.02417	0.60237	0.17949	9.61E-05	0.042078	0.36426	0.223482	1.07E-06	0.411477
-0.01824	0.69428	0.083197	0.07246	0.024219	0.60164	0.09684	0.03643	0.294309
-0.06192	0.18159	-0.13714	0.00298	-0.04583	0.32305	-0.1725	0.00018	-0.32994
0.108053	0.01951	0.08163	0.07803	0.058404	0.20774	0.082852	0.07366	0.277054
-0.02393	0.60605	0.172687	0.00018	0.03277	0.4799	0.220023	1.58E-06	0.445576
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-0.09923	0.03203	-0.29066	1.52E-10	-0.14642	0.00151	-0.31196	5.34E-12	-0.56318
0.102138	0.02731	0.160138	0.00051	0.064983	0.16091	0.190764	3.33E-05	0.317529
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0.031187	0.50138	0.178329	0.00011	0.063766	0.16891	0.207293	6.28E-06	0.390505
0.006411	0.8901	-0.05903	0.20287	0.004642	0.92031	-0.09344	0.04356	-0.20443
-0.10354	0.02525	-0.26549	5.65E-09	-0.12642	0.00622	-0.28873	2.03E-10	-0.48163
0.040847	0.37847	0.22456	9.46E-07	0.083932	0.06997	0.255943	2.03E-08	0.541396
0.057621	0.21391	0.302167	2.58E-11	0.118283	0.01052	0.344816	1.75E-14	0.556349
0.014827	0.74929	0.147717	0.00137	0.042284	0.36192	0.166649	0.0003	0.400549
0.051821	0.26373	0.211172	4.16E-06	0.092886	0.04483	0.230278	4.88E-07	0.518276
0.016039	0.72957	-0.1823	7.43E-05	-0.03245	0.48417	-0.2378	2.00E-07	-0.43315
0.012191	0.79273	-0.12271	0.00794	0.007238	0.87604	-0.19936	1.42E-05	-0.32837
0.040487	0.38269	-0.12538	0.00667	0.017467	0.70655	-0.19338	2.58E-05	-0.38603
0.094974	0.04021	0.359017	1.18E-15	0.138075	0.00279	0.455301	2.81E-25	0.447972
0.215006	2.75E-06	0.345743	1.47E-14	0.241895	1.21E-07	0.326682	4.48E-13	0.519292
0.125644	0.00655	0.354702	2.72E-15	0.191128	3.22E-05	0.376879	3.29E-17	0.662253
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0.050161	0.27936	0.179066	9.99E-05	0.082585	0.07459	0.194774	2.25E-05	0.406917
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0.047956	0.30107	0.092193	0.04646	0.06414	0.16642	0.073974	0.11038	0.210377
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0.020832	0.65342	-0.06528	0.15902	0.041732	0.36822	-0.11618	0.01199	-0.1603
0.033036	0.47634	0.160348	0.0005	0.071618	0.12222	0.195678	2.06E-05	0.336511
0.138041	0.0028	0.196673	1.86E-05	0.134054	0.0037	0.191111	3.22E-05	0.33772

0.028163	0.54378	0.180111	9.08E-05	0.086505	0.06178	0.192956	2.69E-05	0.437464
0.024297	0.60047	-0.1492	0.00122	-0.0298	0.52064	-0.19667	1.86E-05	-0.31594
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0.06693	0.1487	0.158342	0.00059	0.071727	0.12165	0.181904	7.70E-05	0.371673
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0.046487	0.31613	0.177115	0.00012	0.093854	0.04264	0.191075	3.23E-05	0.376945
-0.03137	0.49883	-0.23407	3.12E-07	-0.12215	0.00823	-0.24042	1.45E-07	-0.46959
0.019446	0.67512	0.234458	2.98E-07	0.071868	0.12092	0.288041	2.26E-10	0.512726
0.033286	0.47301	0.143396	0.00189	0.117536	0.01102	0.107363	0.02031	0.238024
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0.065194	0.15956	-0.1208	0.00898	0.029433	0.52577	-0.19212	2.92E-05	-0.29593
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-0.05845	0.20737	-0.13105	0.00456	-0.05393	0.24475	-0.15751	0.00064	-0.27946
-0.02532	0.58527	-0.09314	0.04425	0.004264	0.92679	-0.13904	0.0026	-0.21785
0.101684	0.028	0.267797	4.12E-09	0.146253	0.00153	0.271439	2.49E-09	0.552465
-0.0473	0.30769	-0.18327	6.79E-05	-0.05732	0.2163	-0.21735	2.12E-06	-0.44046
0.070732	0.12693	0.213575	3.21E-06	0.089263	0.0539	0.234472	2.97E-07	0.448715
0.045077	0.33105	-0.17014	0.00022	-0.01927	0.67793	-0.22985	5.14E-07	-0.45259
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0.004878	0.91627	0.115657	0.01238	0.0267	0.56492	0.144517	0.00174	0.352414
0.096648	0.03681	0.198664	1.53E-05	0.094306	0.04164	0.215416	2.63E-06	0.434453
0.095536	0.03904	0.265668	5.51E-09	0.144279	0.00177	0.29461	8.35E-11	0.369886
-0.03166	0.49491	-0.11405	0.01366	-0.00876	0.85025	-0.17589	0.00013	-0.23015
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0.059085	0.20248	0.232583	3.72E-07	0.096493	0.03711	0.260029	1.18E-08	0.425031
-0.02107	0.64966	0.088067	0.05721	0.035082	0.44945	0.087463	0.05894	0.370338
0.011161	0.8099	0.088386	0.05631	0.046024	0.32098	0.09392	0.04249	0.335849
-0.0456	0.32542	-0.16083	0.00048	-0.02864	0.53697	-0.21485	2.79E-06	-0.34086
-0.03122	0.50092	-0.2397	1.58E-07	-0.06297	0.17432	-0.30484	1.69E-11	-0.5295
0.039543	0.3939	0.189638	3.71E-05	0.079037	0.08799	0.213553	3.22E-06	0.404219
0.05186	0.26337	0.270166	2.97E-09	0.129072	0.00521	0.305875	1.43E-11	0.32975
0.144816	0.0017	0.326204	4.86E-13	0.190286	3.49E-05	0.347371	1.09E-14	0.547184
-0.00538	0.90776	0.184249	6.19E-05	0.055315	0.23284	0.220253	1.54E-06	0.479187
0.057459	0.2152	0.151831	0.001	0.079257	0.08711	0.151124	0.00105	0.286446
-0.01752	0.70574	-0.17575	0.00013	-0.05762	0.21394	-0.21789	2.00E-06	-0.36152
0.057004	0.21886	0.017724	0.70245	0.001873	0.9678	0.023798	0.60796	0.10247
0.083969	0.06984	0.282066	5.45E-10	0.120723	0.00902	0.318762	1.73E-12	0.642951
0.146394	0.00151	0.148511	0.00129	0.144296	0.00177	0.094312	0.04163	0.25269
0.20384	9.00E-06	0.298361	4.68E-11	0.195313	2.13E-05	0.277034	1.13E-09	0.555504
-0.02804	0.54551	-0.1123	0.01519	-0.03348	0.4704	-0.1374	0.00293	-0.2746
0.084982	0.06653	0.256935	1.78E-08	0.127304	0.00587	0.296469	6.27E-11	0.344023
0.136245	0.00318	0.323896	7.23E-13	0.170468	0.00021	0.338029	6.03E-14	0.569687
0.039812	0.39069	0.177934	0.00011	0.067497	0.14529	0.204924	8.04E-06	0.418642
0.054656	0.23846	-0.09564	0.03883	-0.00633	0.89141	-0.11674	0.01158	-0.24991
0.054296	0.24157	0.119938	0.00948	0.056623	0.22196	0.120429	0.00919	0.316916

0.074543	0.10766	0.185318	5.60E-05	0.07605	0.10071	0.186573	4.98E-05	0.453429
0.088196	0.05684	0.155319	0.00076	0.094577	0.04106	0.152397	0.00095	0.389549
-0.00864	0.8522	0.063007	0.17405	0.02174	0.63936	0.062751	0.17581	0.227288
-0.04247	0.35985	-0.07223	0.11905	-0.06284	0.1752	-0.06134	0.18575	-0.13564
-0.0886	0.05572	-0.08357	0.07119	-0.04454	0.33681	-0.0977	0.03479	-0.17554
-0.00458	0.92131	0.082138	0.07619	0.012583	0.78624	0.088141	0.057	0.262929
0.103039	0.02597	0.124457	0.00709	0.082505	0.07488	0.124158	0.00723	0.300357
0.096408	0.03728	0.20108	1.19E-05	0.09451	0.0412	0.226854	7.27E-07	0.41632
-0.01935	0.67661	0.146184	0.00154	0.034346	0.45903	0.185379	5.57E-05	0.376776
-0.02562	0.58074	-0.14179	0.00213	-0.08327	0.0722	-0.14981	0.00117	-0.34356
0.078523	0.09008	0.062387	0.17834	0.035491	0.44418	0.074126	0.10965	0.286419
0.141546	0.00217	0.235669	2.58E-07	0.13218	0.00422	0.234093	3.11E-07	0.477466
0.099041	0.03237	0.135177	0.00342	0.067417	0.14577	0.139119	0.00259	0.341381
0.039391	0.39572	0.175529	0.00014	0.082379	0.07533	0.180477	8.78E-05	0.427437
0.100844	0.02933	0.110568	0.01683	0.065208	0.15946	0.121059	0.00883	0.290007
0.033619	0.46859	0.20229	1.06E-05	0.070087	0.13043	0.227566	6.70E-07	0.461481
0.058466	0.20725	0.115058	0.01285	0.107464	0.02019	0.062279	0.17909	0.181316
0.059659	0.19812	0.202607	1.02E-05	0.095988	0.03812	0.221282	1.37E-06	0.40434
0.046667	0.31426	0.201197	1.18E-05	0.110592	0.01681	0.20257	1.03E-05	0.494335
0.231695	4.14E-07	0.203221	9.59E-06	0.227496	6.75E-07	0.085598	0.06457	0.34722
-0.00136	0.97665	-0.19733	1.74E-05	-0.07061	0.12756	-0.22975	5.19E-07	-0.44277
0.069088	0.13602	0.121296	0.00869	0.062415	0.17814	0.120858	0.00894	0.280676
-0.10645	0.02141	-0.166	0.00031	-0.05003	0.28062	-0.21639	2.36E-06	-0.33829
0.058673	0.20564	0.170057	0.00022	0.067565	0.14488	0.203131	9.68E-06	0.353594
0.113134	0.01444	0.183574	6.60E-05	0.156609	0.00068	0.13045	0.00475	0.405314
0.168152	0.00026	0.164868	0.00035	0.120569	0.00911	0.141765	0.00213	0.418866
0.090326	0.05109	0.220057	1.57E-06	0.113973	0.01372	0.253024	2.96E-08	0.418636
0.017356	0.70834	0.140069	0.00242	0.045704	0.32436	0.158476	0.00059	0.395561
0.057027	0.21867	0.125927	0.00643	0.074979	0.10561	0.123795	0.0074	0.2855
0.086769	0.06098	0.13353	0.00384	0.071103	0.12494	0.12417	0.00722	0.419917
0.117239	0.01123	0.165948	0.00032	0.139447	0.00253	0.118155	0.0106	0.203168
0.037881	0.41409	0.060651	0.19075	0.012059	0.79494	0.087872	0.05776	0.222711
0.016598	0.72053	-0.09195	0.04705	-0.01422	0.7592	-0.12073	0.00901	-0.20838
0.041888	0.36643	0.174077	0.00016	0.087595	0.05856	0.176247	0.00013	0.391134
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0.077322	0.09513	-0.08192	0.07696	0.051058	0.27084	-0.15595	0.00072	-0.27088
0.00757	0.8704	0.159648	0.00053	0.052889	0.254	0.179305	9.78E-05	0.454803
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0.067036	0.14806	0.217953	1.99E-06	0.102981	0.02606	0.237542	2.06E-07	0.354147
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0.079475	0.08624	0.269491	3.26E-09	0.118529	0.01036	0.313263	4.31E-12	0.5249
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0.049332	0.28739	0.236092	2.45E-07	0.109577	0.01785	0.253023	2.96E-08	0.528925
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0.09129	0.04865	0.243951	9.37E-08	0.139237	0.00256	0.243122	1.04E-07	0.374624
0.083913	0.07003	0.171335	0.0002	0.09802	0.0342	0.177052	0.00012	0.314569
0.159162	0.00056	0.172045	0.00019	0.116795	0.01154	0.159224	0.00055	0.361342
0.075854	0.10159	-0.08197	0.07678	0.020048	0.66565	-0.14143	0.00219	-0.20337
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0.088783	0.0552	0.349703	7.03E-15	0.139253	0.00256	0.420642	1.90E-21	0.508586
0.074402	0.10833	0.225269	8.72E-07	0.080966	0.08048	0.293594	9.75E-11	0.384475
0.078086	0.09189	0.253304	2.86E-08	0.117128	0.01131	0.304685	1.73E-11	0.440593
0.088481	0.05604	0.219768	1.62E-06	0.105382	0.02275	0.26033	1.13E-08	0.415223
0.253534	2.77E-08	0.309201	8.37E-12	0.259634	1.24E-08	0.259328	1.30E-08	0.367815
0.06066	0.19068	0.126224	0.00631	0.07348	0.11278	0.117255	0.01122	0.319489
-0.01656	0.72112	0.170712	0.00021	0.056336	0.22431	0.186286	5.11E-05	0.463842
0.063812	0.16861	0.113564	0.01407	0.070712	0.12703	0.098468	0.03339	0.240224
-0.16475	0.00035	-0.13615	0.0032	-0.10712	0.0206	-0.1405	0.00234	-0.19847
0.121438	0.00861	0.184521	6.04E-05	0.118756	0.01021	0.179522	9.59E-05	0.255542
0.024047	0.60423	0.134571	0.00357	0.048708	0.29354	0.160218	0.00051	0.378306
-0.01982	0.66924	-0.17191	0.00019	-0.0791	0.08772	-0.19033	3.47E-05	-0.39024
0.089602	0.05299	0.042677	0.35747	0.066737	0.14989	0.006549	0.88776	0.179073
-0.02515	0.58771	-0.205	7.98E-06	-0.07293	0.11553	-0.23603	2.47E-07	-0.43589
0.062076	0.18051	-0.11692	0.01145	0.024169	0.60239	-0.1846	5.99E-05	-0.30771
0.108372	0.01915	0.315131	3.17E-12	0.1432	0.00192	0.354493	2.83E-15	0.605729
0.115256	0.01269	0.272247	2.22E-09	0.15419	0.00083	0.281186	6.19E-10	0.483027
0.154783	0.00079	0.336195	8.39E-14	0.191927	2.98E-05	0.343752	2.13E-14	0.676948
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0.130783	0.00464	0.193378	2.58E-05	0.104099	0.02447	0.203002	9.81E-06	0.381647
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-0.06798	0.14243	-0.27839	9.28E-10	-0.10858	0.01892	-0.32923	2.87E-13	-0.53321
0.082252	0.07578	0.223806	1.03E-06	0.073206	0.11413	0.278246	9.47E-10	0.419482
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0.027888	0.54772	0.154508	0.00081	0.082609	0.07451	0.154559	0.0008	0.369755
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0.122802	0.00789	0.251423	3.64E-08	0.170523	0.00021	0.240888	1.37E-07	0.474884
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0.169199	0.00024	0.193866	2.46E-05	0.124041	0.00728	0.189815	3.65E-05	0.390952
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0.168008	0.00027	0.245022	8.20E-08	0.137592	0.00289	0.260594	1.09E-08	0.557127
0.103969	0.02465	0.341555	3.18E-14	0.154746	0.00079	0.378849	2.19E-17	0.68536
0.042466	0.35985	0.131923	0.00429	0.026	0.57518	0.167636	0.00027	0.287749
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0.01475	0.75056	-0.13331	0.0039	0.002123	0.96351	-0.20824	5.68E-06	-0.23986

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0.020033	0.66589	0.200338	1.29E-05	0.060296	0.19336	0.240699	1.40E-07	0.496919
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0.066502	0.15133	0.200559	1.26E-05	0.152978	0.00091	0.15363	0.00087	0.334205
0.010231	0.82547	0.22225	1.23E-06	0.054863	0.23668	0.303231	2.18E-11	0.270083
0.091081	0.04917	0.148427	0.0013	0.102797	0.02632	0.132152	0.00423	0.390502
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0.010046	0.82858	0.083307	0.07209	0.001427	0.97547	0.112256	0.01522	0.402883
0.06325	0.17239	0.216114	2.43E-06	0.083651	0.07091	0.251016	3.84E-08	0.452479
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0.048234	0.29827	-0.04538	0.3278	0.043748	0.34552	-0.0807	0.0815	-0.18115
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0.004201	0.92786	-0.16246	0.00042	-0.03054	0.51037	-0.21161	3.97E-06	-0.44276
0.08206	0.07647	0.350104	6.52E-15	0.160037	0.00052	0.38786	3.25E-18	0.729575
0.037941	0.41336	0.150547	0.0011	0.079076	0.08783	0.171185	0.0002	0.343066
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0.110353	0.01705	0.159307	0.00055	0.112011	0.01545	0.13189	0.0043	0.278135
0.063366	0.1716	0.102684	0.02649	0.060141	0.19451	0.090736	0.05004	0.22558
0.083309	0.07208	0.236416	2.36E-07	0.127254	0.00589	0.254384	2.48E-08	0.437198
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0.162487	0.00042	0.208709	5.41E-06	0.147435	0.0014	0.194797	2.25E-05	0.339528
0.064686	0.16284	0.204629	8.29E-06	0.112358	0.01513	0.203896	8.95E-06	0.426525
0.036975	0.42536	-0.136	0.00323	-0.01076	0.81667	-0.19043	3.44E-05	-0.25433
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0.046543	0.31555	-0.05021	0.27892	0.01195	0.79675	-0.06354	0.17046	-0.15967
0.126097	0.00636	0.308421	9.49E-12	0.152399	0.00095	0.345841	1.45E-14	0.601941
0.028456	0.5396	0.140827	0.00229	0.074881	0.10607	0.130548	0.00472	0.351759
0.099667	0.03129	0.049161	0.28906	0.074648	0.10716	0.000414	0.99288	0.19839
0.048387	0.29674	0.14535	0.00164	0.053746	0.24638	0.18081	8.52E-05	0.279181
0.156139	0.00071	0.116454	0.01179	0.086165	0.06281	0.112659	0.01486	0.288318
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0.045483	0.3267	0.171748	0.00019	0.076666	0.09797	0.191494	3.10E-05	0.392214
0.073435	0.113	0.164029	0.00037	0.103251	0.02566	0.154176	0.00083	0.347758
0.02159	0.64167	0.112931	0.01462	0.02133	0.64569	0.131679	0.00437	0.351856
-0.00121	0.97918	0.097578	0.03503	0.034693	0.45449	0.114085	0.01363	0.280496
0.079687	0.0854	0.183226	6.81E-05	0.093374	0.04371	0.188271	4.23E-05	0.429076
0.040267	0.38529	0.065479	0.15773	0.040487	0.3827	0.05957	0.19879	0.209796
0.084784	0.06716	0.237745	2.01E-07	0.134442	0.00361	0.244935	8.29E-08	0.502989
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0.027063	0.55963	-0.17807	0.00011	-0.00567	0.90272	-0.25887	1.38E-08	-0.41606
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0.075102	0.10504	0.20234	1.05E-05	0.087351	0.05926	0.232582	3.72E-07	0.43662
-0.08254	0.07477	-0.15976	0.00053	-0.08452	0.06802	-0.15379	0.00086	-0.36421
0.095774	0.03855	0.108827	0.01865	0.112322	0.01516	0.040992	0.37678	0.182016
0.072973	0.1153	0.237696	2.02E-07	0.107896	0.01969	0.257251	1.71E-08	0.482977
-0.09872	0.03293	-0.28301	4.75E-10	-0.12816	0.00554	-0.31703	2.31E-12	-0.56056
-0.00917	0.84326	-0.1293	0.00513	-0.02057	0.65748	-0.16941	0.00024	-0.24783
0.082303	0.0756	0.242289	1.15E-07	0.122942	0.00782	0.256275	1.94E-08	0.469651
0.160772	0.00049	0.254932	2.31E-08	0.148041	0.00134	0.261492	9.70E-09	0.503978
0.02061	0.65687	0.20518	7.83E-06	0.070612	0.12757	0.239489	1.62E-07	0.487367
0.083175	0.07254	0.285723	3.18E-10	0.141169	0.00223	0.305418	1.54E-11	0.569145
0.065231	0.15932	0.264096	6.83E-09	0.117895	0.01078	0.296334	6.40E-11	0.601464
0.08388	0.07014	0.224388	9.65E-07	0.089306	0.05378	0.258372	1.47E-08	0.454884
0.107175	0.02053	0.285285	3.40E-10	0.152877	0.00092	0.303181	2.20E-11	0.583999
0.055884	0.22806	0.174916	0.00015	0.06544	0.15798	0.196755	1.85E-05	0.378968
0.087103	0.05999	0.214282	2.97E-06	0.100876	0.02928	0.226321	7.73E-07	0.503002
0.013184	0.77628	0.14063	0.00232	0.071677	0.12191	0.130204	0.00483	0.285316
0.019011	0.68197	0.115414	0.01257	0.047141	0.30936	0.113554	0.01408	0.265963
0.06776	0.14372	0.071189	0.12448	0.041357	0.37254	0.076772	0.09751	0.165362
-0.11334	0.01426	-0.20416	8.70E-06	-0.10431	0.02419	-0.22404	1.00E-06	-0.34727
0.151008	0.00106	0.270738	2.74E-09	0.182624	7.21E-05	0.259662	1.24E-08	0.468264
0.118734	0.01023	0.144863	0.0017	0.065042	0.16053	0.156877	0.00067	0.395752
0.106961	0.02078	0.161702	0.00045	0.099724	0.03119	0.163726	0.00038	0.326626
0.083054	0.07296	0.118064	0.01067	0.055479	0.23145	0.142257	0.00206	0.203562
0.105986	0.02198	0.225844	8.17E-07	0.09891	0.0326	0.243209	1.03E-07	0.509635
0.222667	1.17E-06	0.343252	2.33E-14	0.322503	9.17E-13	0.239211	1.68E-07	0.480984
0.203331	9.49E-06	0.380985	1.40E-17	0.235959	2.49E-07	0.378918	2.16E-17	0.709791
0.035928	0.43859	0.088951	0.05474	0.038701	0.40405	0.10129	0.02862	0.300279
0.287165	2.57E-10	0.376243	3.76E-17	0.234445	2.98E-07	0.386858	4.03E-18	0.601413
0.115977	0.01214	0.201143	1.19E-05	0.122921	0.00783	0.193853	2.46E-05	0.357161
-0.03363	0.46842	0.129271	0.00514	0.002111	0.96372	0.188753	4.04E-05	0.402117
0.113447	0.01417	0.204211	8.66E-06	0.136888	0.00303	0.192741	2.75E-05	0.305848
0.129445	0.00508	0.194586	2.29E-05	0.121228	0.00873	0.184943	5.80E-05	0.387578
0.145339	0.00164	0.262032	9.02E-09	0.166402	0.0003	0.248615	5.21E-08	0.499966
0.102452	0.02684	0.181141	8.26E-05	0.111793	0.01565	0.176666	0.00012	0.357631
0.086942	0.06047	0.217241	2.15E-06	0.14157	0.00217	0.202537	1.03E-05	0.466336
0.238309	1.87E-07	0.135807	0.00328	0.159937	0.00052	0.071917	0.12066	0.199283
0.148324	0.00131	0.311632	5.63E-12	0.174123	0.00016	0.328595	3.21E-13	0.523011
0.102171	0.02726	0.161926	0.00044	0.149657	0.00118	0.09601	0.03808	0.472954
-0.0287	0.53613	0.083978	0.06981	0.01484	0.74907	0.089401	0.05353	0.290421
0.064422	0.16456	0.222163	1.24E-06	0.117412	0.01111	0.234302	3.04E-07	0.408768

0.166413	0.0003	0.23686	2.23E-07	0.135189	0.00342	0.263189	7.72E-09	0.303547
0.072684	0.11674	0.12848	0.00543	0.073996	0.11027	0.124064	0.00727	0.313629
0.148291	0.00131	0.282613	5.03E-10	0.167868	0.00027	0.287682	2.38E-10	0.550191
0.160838	0.00048	0.313496	4.15E-12	0.181119	8.28E-05	0.327848	3.66E-13	0.60332
0.015025	0.74606	0.15773	0.00062	0.074748	0.10669	0.173634	0.00016	0.233342
0.079726	0.08525	0.138227	0.00276	0.101405	0.02844	0.107586	0.02005	0.380165
0.010902	0.81423	0.182707	7.15E-05	0.079089	0.08778	0.193536	2.54E-05	0.376721
-0.12748	0.0058	-0.19866	1.53E-05	-0.13346	0.00386	-0.19101	3.25E-05	-0.3196
0.020262	0.66231	0.086249	0.06256	0.012422	0.7889	0.103491	0.02532	0.346977
0.163451	0.00039	0.287403	2.48E-10	0.189367	3.81E-05	0.277126	1.11E-09	0.514255
0.327684	3.76E-13	0.403595	1.01E-19	0.321084	1.17E-12	0.381486	1.26E-17	0.318591
0.111466	0.01596	0.091508	0.04812	0.093638	0.04312	0.050414	0.27693	0.076001
0.030231	0.51459	0.072093	0.11976	0.047735	0.3033	0.082624	0.07446	0.085765
0.169717	0.00023	0.171605	0.00019	0.219214	1.73E-06	0.086726	0.06111	0.077131
0.130708	0.00467	0.051044	0.27097	0.075814	0.10177	0.035255	0.44721	0.012827
0.063015	0.174	0.116577	0.0117	0.086263	0.06251	0.11379	0.01388	0.313893
0.142007	0.0021	0.124072	0.00727	0.111323	0.0161	0.111376	0.01604	0.054419
0.141488	0.00218	0.229472	5.37E-07	0.178877	0.0001	0.23147	4.25E-07	0.154824
0.468644	7.15E-27	0.394643	7.45E-19	0.409776	2.45E-20	0.28623	2.95E-10	0.204788
0.04574	0.32397	0.061207	0.18671	0.063755	0.16899	0.056778	0.2207	0.182623
0.164337	0.00036	0.189594	3.73E-05	0.174645	0.00015	0.16254	0.00042	0.313865
0.060659	0.19069	0.054235	0.2421	0.076762	0.09755	0.028232	0.54279	0.00726
0.15786	0.00062	0.113752	0.01391	0.094696	0.0408	0.129099	0.0052	0.07789
0.009598	0.83612	0.006923	0.88139	-0.00091	0.98432	0.03634	0.43335	0.020134
0.057048	0.2185	0.084913	0.06675	0.08279	0.07388	0.066473	0.1515	0.061002
0.391172	1.59E-18	0.266489	4.93E-09	0.348872	8.21E-15	0.122825	0.00788	0.100593
0.079706	0.08533	0.244922	8.30E-08	0.11339	0.01422	0.296911	5.86E-11	0.406189
0.119752	0.00959	0.106791	0.02099	0.153327	0.00089	0.047717	0.30348	0.063443
0.05559	0.23052	0.008874	0.84832	0.016719	0.71857	0.013588	0.76963	0.015395
0.067936	0.14268	0.075536	0.10304	0.091299	0.04863	0.043108	0.35262	0.086758
0.105053	0.02318	0.10997	0.01744	0.111665	0.01577	0.104291	0.02421	0.081176
0.144123	0.00179	0.170191	0.00022	0.14556	0.00161	0.164678	0.00035	0.180553
0.386165	4.68E-18	0.271263	2.55E-09	0.318244	1.88E-12	0.145929	0.00157	0.159755
0.078017	0.09218	0.097836	0.03454	0.121504	0.00858	0.059404	0.20004	0.06313
0.077802	0.09308	0.092053	0.04679	0.097766	0.03467	0.070648	0.12738	0.055092
0.114801	0.01305	0.156455	0.00069	0.141287	0.00221	0.139424	0.00253	0.276629
0.131106	0.00454	0.151193	0.00105	0.146323	0.00152	0.098507	0.03332	0.20669
-0.01698	0.71443	-0.01087	0.81476	-0.00549	0.90584	-0.00466	0.91997	-0.00758
0.117108	0.01132	0.289953	1.69E-10	0.172389	0.00018	0.324295	6.75E-13	0.360718
0.032258	0.4868	0.097132	0.03587	0.059986	0.19567	0.110576	0.01683	0.167776
0.128775	0.00532	0.221826	1.29E-06	0.172866	0.00017	0.20954	4.95E-06	0.142944
0.002931	0.94963	-0.00304	0.94769	0.001228	0.97889	0.024659	0.59505	0.001705
0.057977	0.21108	0.105174	0.02302	0.081056	0.08015	0.089275	0.05386	0.110192
0.047187	0.30889	0.030818	0.50647	0.040024	0.38816	0.021785	0.63867	0.002704
0.188797	4.03E-05	0.135244	0.00341	0.179446	9.65E-05	0.071847	0.12103	0.059159

0.252993	2.97E-08	0.241158	1.32E-07	0.242897	1.07E-07	0.182898	7.02E-05	0.241594
0.126344	0.00626	0.076168	0.10018	0.099875	0.03093	0.053261	0.25067	0.082406
0.080806	0.08109	0.088091	0.05714	0.094527	0.04117	0.065945	0.15479	0.11372
0.065452	0.15791	0.135933	0.00325	0.10906	0.0184	0.125811	0.00648	0.176727
0.066777	0.14964	0.06524	0.15926	0.066506	0.15131	0.06387	0.16822	0.039639
0.288352	2.15E-10	0.199735	1.37E-05	0.257799	1.59E-08	0.099611	0.03138	0.111778
0.028972	0.53227	0.041311	0.37308	0.044957	0.33233	0.032314	0.48603	0.008929
0.087745	0.05812	0.062757	0.17577	0.104876	0.02342	0.014615	0.75276	0.039229
0.358829	1.23E-15	0.165091	0.00034	0.233945	3.17E-07	0.088732	0.05535	0.066178
0.510897	2.06E-32	0.252479	3.18E-08	0.329583	2.70E-13	0.140041	0.00242	0.153602
0.097118	0.0359	0.102268	0.02711	0.109923	0.01749	0.07589	0.10143	-0.00091
0.327189	4.10E-13	0.457852	1.41E-25	0.43617	4.14E-23	0.324501	6.52E-13	0.439682
0.136561	0.00311	0.148218	0.00132	0.18841	4.18E-05	0.073694	0.11174	0.059676
0.052079	0.26136	0.140825	0.00229	0.062094	0.18039	0.193203	2.63E-05	0.128986
0.006544	0.88784	0.007798	0.86653	0.016777	0.71765	0.018697	0.68695	0.014515
0.148715	0.00127	0.051028	0.27112	0.058887	0.20399	0.061488	0.18469	0.037266
0.187123	4.72E-05	0.15543	0.00075	0.141644	0.00215	0.145972	0.00156	0.175504
0.068309	0.1405	0.092137	0.04659	0.076014	0.10087	0.098146	0.03397	0.075086
0.177798	0.00011	0.082498	0.0749	0.092853	0.04491	0.069023	0.13639	0.025023
0.130372	0.00477	0.231314	4.33E-07	0.169919	0.00023	0.225599	8.40E-07	0.239137
0.095167	0.03981	0.327345	3.99E-13	0.159794	0.00053	0.390057	2.03E-18	0.334491
0.064799	0.1621	0.131306	0.00448	0.086524	0.06172	0.135029	0.00346	0.207944
0.015026	0.74604	-0.00292	0.94987	0.001606	0.97239	0.001774	0.9695	-0.01009
0.005839	0.89985	0.001449	0.97509	0.008574	0.8534	0.000791	0.98639	-0.00087
0.375589	4.30E-17	0.443654	6.10E-24	0.546359	1.07E-37	0.185249	5.64E-05	0.229777
0.179034	0.0001	0.197818	1.66E-05	0.189744	3.68E-05	0.16793	0.00027	0.119158
0.01739	0.70779	0.028972	0.53226	0.042896	0.355	0.011701	0.80089	0.014192
0.094989	0.04018	0.326787	4.40E-13	0.136539	0.00311	0.417161	4.35E-21	0.304131
0.048936	0.29128	0.088164	0.05693	0.082083	0.07638	0.070995	0.12551	0.040096
0.022364	0.62976	0.174049	0.00016	0.066346	0.15229	0.206867	6.57E-06	0.333759
0.374135	5.79E-17	0.262167	8.86E-09	0.327293	4.03E-13	0.137729	0.00286	0.141211
0.047262	0.30812	0.046945	0.31138	0.050754	0.2737	0.033648	0.46821	0.032577
0.302858	2.31E-11	0.239739	1.57E-07	0.208074	5.78E-06	0.227645	6.64E-07	0.168086
0.116351	0.01186	0.079649	0.08555	0.104731	0.02361	0.046567	0.31529	0.048005
0.030644	0.50886	0.017625	0.70403	0.049536	0.28539	-0.00743	0.87273	-0.02277
0.029507	0.52472	0.081937	0.07691	0.059519	0.19917	0.087709	0.05823	0.050337
0.142107	0.00208	0.153334	0.00089	0.161852	0.00045	0.113943	0.01375	0.087981
0.303906	1.96E-11	0.368088	1.97E-16	0.32562	5.38E-13	0.294027	9.13E-11	0.361757
0.030513	0.51068	0.049816	0.28268	0.046203	0.3191	0.05467	0.23834	0.066727
0.458853	1.07E-25	0.368722	1.74E-16	0.400222	2.16E-19	0.249447	4.69E-08	0.209537
0.064702	0.16273	0.220386	1.52E-06	0.099639	0.03133	0.274355	1.65E-09	0.299874
0.079804	0.08494	0.194486	2.32E-05	0.11929	0.00987	0.218129	1.95E-06	0.200289
0.319184	1.61E-12	0.260426	1.12E-08	0.31121	6.03E-12	0.141877	0.00212	0.135002
0.25859	1.43E-08	0.161033	0.00048	0.220495	1.50E-06	0.092379	0.04602	0.073327
0.200134	1.32E-05	0.127526	0.00578	0.181528	7.97E-05	0.0567	0.22133	0.16427

0.350528	6.01E-15	0.339303	4.79E-14	0.375594	4.29E-17	0.205883	7.28E-06	0.162619
0.620396	5.07E-51	0.465176	1.89E-26	0.535316	5.52E-36	0.271028	2.63E-09	0.292519
0.14533	0.00164	0.235347	2.68E-07	0.198128	1.61E-05	0.200595	1.26E-05	0.188805
0.02817	0.54369	0.049375	0.28697	0.041141	0.37505	0.060942	0.18862	0.033143
0.020796	0.65397	0.010382	0.82295	0.008498	0.85467	0.009749	0.83358	0.060212
0.016909	0.71553	0.04856	0.29501	0.019913	0.66777	0.066913	0.14881	0.060074
0.117991	0.01071	0.129238	0.00516	0.113922	0.01377	0.126122	0.00635	0.165676
-0.00673	0.88471	-0.00615	0.89452	-0.00354	0.9392	0.006644	0.88614	-0.00386
0.127366	0.00585	0.209676	4.88E-06	0.143729	0.00185	0.211462	4.03E-06	0.346867
0.133524	0.00384	0.133298	0.0039	0.127297	0.00587	0.111104	0.01637	0.096107
0.363392	5.03E-16	0.343693	2.15E-14	0.406991	4.66E-20	0.165214	0.00034	0.152196
-0.00709	0.87855	0.018411	0.69148	0.045606	0.3254	-0.00727	0.87547	-0.00956
0.068608	0.13876	0.013474	0.7715	0.023287	0.61569	0.018134	0.69589	-0.02046
0.164789	0.00035	0.204625	8.30E-06	0.201467	1.15E-05	0.164063	0.00037	0.12357
0.150088	0.00114	0.06644	0.15171	0.078985	0.0882	0.06621	0.15313	0.033118
0.124946	0.00686	0.106825	0.02095	0.145682	0.0016	0.033415	0.4713	0.017211
0.002903	0.95012	0.006632	0.88633	0.01821	0.69468	0.003408	0.94145	0.051244
0.092506	0.04572	0.069352	0.13453	0.081854	0.07721	0.050036	0.28055	0.109868
0.09424	0.04179	0.112213	0.01526	0.113341	0.01426	0.109601	0.01782	0.154285
0.127258	0.00589	0.15483	0.00079	0.185012	5.77E-05	0.081528	0.0784	0.089397
0.458237	1.27E-25	0.359961	9.85E-16	0.32456	6.45E-13	0.327505	3.88E-13	0.222512
-0.07642	0.09906	-0.07856	0.08994	-0.02525	0.58627	-0.09849	0.03335	-0.19441
0.091893	0.04718	0.051498	0.26672	0.070419	0.12862	-0.00259	0.9555	0.003869
-0.07524	0.10441	-0.04112	0.3753	-0.00561	0.90372	-0.07687	0.09708	-0.02746
-0.02819	0.54338	-0.13642	0.00314	-0.01715	0.71169	-0.19083	3.31E-05	-0.26654
-0.03552	0.44384	-0.04764	0.30426	-0.00199	0.96577	-0.0623	0.17894	-0.13549
0.015973	0.73064	0.06947	0.13386	0.02752	0.55303	0.069454	0.13395	0.139568
-0.06313	0.17321	-0.11794	0.01074	-0.08219	0.07601	-0.1068	0.02097	-0.15424
0.014402	0.75624	-0.01562	0.73632	0.017664	0.7034	-0.04494	0.33256	-0.00431
0.102994	0.02604	0.067591	0.14473	0.058221	0.20917	0.064895	0.16148	0.205022
-0.09051	0.05061	-0.0672	0.14706	-0.04089	0.37795	-0.07232	0.11859	-0.1496
-0.16587	0.00032	-0.25892	1.37E-08	-0.1466	0.00149	-0.27207	2.28E-09	-0.4176
-0.22232	1.22E-06	-0.15458	0.0008	-0.17064	0.00021	-0.10107	0.02897	-0.14711
0.042753	0.35661	-0.03793	0.4135	-0.04081	0.37896	-0.0198	0.66949	-0.03639
-0.02002	0.6661	-0.04078	0.37925	0.021442	0.64396	-0.06614	0.15355	-0.13664
-0.21659	2.31E-06	-0.24057	1.42E-07	-0.18663	4.95E-05	-0.21223	3.71E-06	-0.28814
-0.17059	0.00021	-0.1762	0.00013	-0.15345	0.00088	-0.14844	0.00129	-0.12659
-0.09497	0.04022	-0.17267	0.00018	-0.10217	0.02726	-0.16818	0.00026	-0.32177
-0.08196	0.07682	-0.25707	1.75E-08	-0.18647	5.03E-05	-0.24188	1.21E-07	-0.33086
-0.15574	0.00073	-0.2304	4.81E-07	-0.19875	1.51E-05	-0.19085	3.30E-05	-0.30022
-0.07967	0.08547	-0.21971	1.64E-06	-0.05962	0.19845	-0.2854	3.34E-10	-0.39543
-0.00348	0.94015	-0.18752	4.55E-05	-0.04058	0.38161	-0.24076	1.39E-07	-0.37702
-0.11191	0.01554	-0.16984	0.00023	-0.12751	0.00579	-0.15971	0.00053	-0.19455
0.037736	0.41588	-0.02304	0.61945	0.065602	0.15695	-0.11123	0.01619	-0.1271
-0.1228	0.00789	-0.18217	7.52E-05	-0.11841	0.01044	-0.195	2.20E-05	-0.24172

-0.07078	0.12666	-0.16842	0.00026	-0.09066	0.05025	-0.18149	8.00E-05	-0.25828
-0.02389	0.60664	-0.06566	0.15658	-0.02705	0.55981	-0.08911	0.0543	-0.08449
-0.05042	0.27683	-0.03994	0.38913	-0.04888	0.29183	-0.02069	0.65558	-0.06336
0.120246	0.00929	0.037818	0.41487	0.097081	0.03597	-0.02027	0.6622	0.005703
-0.12719	0.00591	-0.08656	0.06163	-0.03917	0.39843	-0.0969	0.03631	-0.16688
-0.16317	0.0004	-0.19602	1.99E-05	-0.10974	0.01768	-0.20485	8.11E-06	-0.30294
-0.22597	8.05E-07	-0.15002	0.00115	-0.12976	0.00498	-0.12992	0.00492	-0.20665
0.033983	0.46379	0.068907	0.13705	0.033506	0.47009	0.080285	0.08307	0.113923
0.02116	0.64832	0.093784	0.04279	0.016669	0.71938	0.127546	0.00578	0.239375
-0.10514	0.02307	-0.1199	0.0095	-0.06495	0.16111	-0.13379	0.00377	-0.23014
-0.03896	0.40094	-0.13563	0.00332	-0.02062	0.65668	-0.1782	0.00011	-0.32375
-0.13456	0.00358	-0.28263	5.02E-10	-0.16198	0.00044	-0.30088	3.15E-11	-0.44331
-0.03007	0.51681	-0.10967	0.01775	-0.07929	0.08698	-0.10705	0.02067	-0.21157
0.090186	0.05145	-0.00818	0.86007	0.00835	0.85718	-0.01522	0.74286	0.008564
0.060389	0.19267	-0.08281	0.07382	0.029233	0.52859	-0.14799	0.00134	-0.15169
-0.11602	0.01211	-0.09245	0.04586	-0.05729	0.21653	-0.09322	0.04407	-0.13736
-0.09652	0.03707	-0.12655	0.00617	-0.06719	0.14711	-0.14704	0.00144	-0.19201
0.083969	0.06984	-0.06693	0.14873	-0.00049	0.99151	-0.1029	0.02618	-0.17364
0.014778	0.75009	-0.08719	0.05974	-0.00323	0.94447	-0.10264	0.02656	-0.3137
0.111499	0.01593	0.009232	0.84227	0.082749	0.07402	-0.03603	0.43731	-0.25834
0.068714	0.13816	0.027283	0.55645	0.093456	0.04353	-0.04459	0.33633	0.01148
-0.13938	0.00254	-0.02972	0.52173	-0.02059	0.65718	-0.05703	0.21866	-0.00404
-0.1289	0.00528	-0.20531	7.73E-06	-0.10354	0.02525	-0.2298	5.17E-07	-0.42985
-0.17448	0.00015	-0.23173	4.12E-07	-0.12485	0.00691	-0.25156	3.58E-08	-0.39311
-0.1818	7.78E-05	-0.23679	2.25E-07	-0.17949	9.61E-05	-0.21824	1.92E-06	-0.30378
-0.06002	0.19541	-0.13362	0.00382	-0.04702	0.31058	-0.16204	0.00044	-0.26378
0.029989	0.51797	-0.10268	0.0265	0.032213	0.48741	-0.17798	0.00011	-0.27519
0.027542	0.5527	-0.14079	0.00229	0.012704	0.78423	-0.21221	3.72E-06	-0.38876
-0.14057	0.00233	-0.24182	1.22E-07	-0.11447	0.01332	-0.27982	7.55E-10	-0.38855
-0.04512	0.33057	-0.12362	0.00748	-0.01758	0.70481	-0.17149	0.0002	-0.25283
-0.04521	0.32962	-0.16143	0.00046	-0.05363	0.2474	-0.20714	6.38E-06	-0.24523
-0.09315	0.04421	-0.06001	0.19552	-0.05961	0.19851	-0.06204	0.18074	0.016239
0.025032	0.58949	-0.17002	0.00022	0.007013	0.87986	-0.25263	3.11E-08	-0.42547
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-0.06558	0.15711	-0.22133	1.36E-06	-0.07413	0.10961	-0.2742	1.69E-09	-0.39731
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-0.15886	0.00057	-0.05872	0.20531	-0.05358	0.24782	-0.0601	0.19479	-0.03305
-0.02944	0.52561	-0.02455	0.59664	0.020171	0.66372	-0.04841	0.29651	-0.11257
-0.07883	0.08885	-0.17845	0.00011	-0.06469	0.16283	-0.22317	1.11E-06	-0.26336
-0.20207	1.08E-05	-0.24404	9.26E-08	-0.16764	0.00027	-0.24267	1.10E-07	-0.36293
-0.09044	0.05081	-0.10988	0.01753	-0.00771	0.86802	-0.16179	0.00045	-0.22189
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-0.14691	0.00145	-0.20463	8.30E-06	-0.12031	0.00926	-0.20529	7.74E-06	-0.38483
-0.08111	0.07994	-0.14312	0.00193	-0.03586	0.43944	-0.19086	3.30E-05	-0.30017
0.023615	0.61074	-0.17124	0.0002	-0.00992	0.83062	-0.24608	7.18E-08	-0.42607

-0.01219	0.79268	-0.17699	0.00012	-0.02198	0.63568	-0.24545	7.77E-08	-0.43184
-0.11776	0.01087	-0.26671	4.78E-09	-0.1243	0.00716	-0.30509	1.62E-11	-0.42233
-0.16592	0.00032	-0.16597	0.00032	-0.14636	0.00152	-0.13617	0.00319	-0.18737
-0.07308	0.11476	-0.06788	0.143	-0.02636	0.56984	-0.07328	0.11378	-0.15468
-0.0455	0.32653	-0.10784	0.01976	-0.00516	0.91148	-0.1586	0.00058	-0.28232
-0.00852	0.85428	-0.05852	0.2068	0.011767	0.7998	-0.09114	0.04902	-0.20169
-0.01112	0.81067	-0.14074	0.0023	0.009805	0.83263	-0.21337	3.28E-06	-0.37418
-0.09872	0.03294	-0.10921	0.01824	-0.05186	0.26335	-0.12761	0.00575	-0.19745
-0.06113	0.18724	-0.17824	0.00011	-0.04632	0.31784	-0.23115	4.41E-07	-0.43524
-0.02255	0.62688	-0.00966	0.83511	0.048545	0.29516	-0.04923	0.28841	-0.08432
-0.11971	0.00962	-0.08392	0.07001	-0.08216	0.07612	-0.05507	0.23493	-0.06973
-0.23009	4.99E-07	-0.24435	8.92E-08	-0.15618	0.00071	-0.25358	2.76E-08	-0.39373
-0.04075	0.37957	-0.17048	0.00021	-0.04695	0.31131	-0.2169	2.23E-06	-0.29874
-0.09277	0.0451	-0.16471	0.00035	-0.09039	0.05092	-0.16352	0.00039	-0.27251
-0.0519	0.26299	-0.13628	0.00317	-0.03384	0.46561	-0.1715	0.0002	-0.28536
-0.16213	0.00044	-0.0262	0.57222	-0.03522	0.44766	-0.01965	0.67189	-0.01114
-0.10154	0.02823	-0.15607	0.00071	-0.04877	0.29292	-0.1953	2.14E-05	-0.24951
-0.24754	5.98E-08	-0.20314	9.67E-06	-0.19762	1.70E-05	-0.15394	0.00084	-0.23413
-0.0779	0.09267	-0.14624	0.00153	-0.05315	0.25168	-0.18579	5.36E-05	-0.21647
-0.11679	0.01154	-0.13785	0.00283	-0.05997	0.19577	-0.15921	0.00055	-0.19675
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-0.03918	0.39831	-0.24952	4.64E-08	-0.1316	0.00439	-0.26541	5.71E-09	-0.40387
-0.03313	0.47507	-0.00626	0.89265	0.05598	0.22726	-0.05798	0.21102	-0.09858
-0.10287	0.02621	-0.25077	3.96E-08	-0.1422	0.00207	-0.26394	6.97E-09	-0.42002
-0.03892	0.40144	-0.23919	1.68E-07	-0.07323	0.114	-0.29155	1.33E-10	-0.51539
0.00505	0.91334	-0.19361	2.52E-05	-0.02726	0.55672	-0.26834	3.82E-09	-0.4751
-0.09258	0.04553	-0.1138	0.01387	-0.03377	0.46657	-0.15086	0.00107	-0.23802
-0.08116	0.07978	-0.21426	2.98E-06	-0.07861	0.08972	-0.26143	9.78E-09	-0.41021
-0.17342	0.00017	-0.17967	9.46E-05	-0.14541	0.00163	-0.16641	0.0003	-0.24048
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-0.17901	0.0001	-0.12979	0.00497	-0.12069	0.00903	-0.10046	0.02996	-0.13315
-0.09658	0.03694	-0.12381	0.00739	-0.04157	0.37013	-0.15454	0.00081	-0.22482
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0.025077	0.58881	-0.16738	0.00028	-0.06313	0.17323	-0.19007	3.56E-05	-0.42991
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0.069389	0.13432	0.029944	0.51861	0.033092	0.47559	0.021431	0.64413	0.009163
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0.005615	0.90367	-0.05036	0.27745	0.017119	0.71215	-0.08832	0.0565	-0.1234
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0.05719	0.21736	0.046012	0.3211	0.048379	0.29682	0.047808	0.30256	-0.05071
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0.04923	0.28839	-0.02796	0.54667	0.044952	0.33239	-0.07164	0.12211	-0.12349
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0.091462	0.04823	-0.06182	0.18236	0.049138	0.28929	-0.12229	0.00816	-0.18635
0.027705	0.55036	-0.11429	0.01346	-0.04205	0.36457	-0.12179	0.00842	-0.31278
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0.049973	0.28117	-0.04609	0.3203	-0.00307	0.94732	-0.08517	0.06594	-0.01734
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0.096585	0.03693	0.145713	0.00159	0.100096	0.03056	0.131037	0.00456	0.251807
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0.077095	0.0961	-0.12551	0.00661	-0.02412	0.60307	-0.16756	0.00028	-0.19312
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0.018391	0.69181	-0.14383	0.00183	-0.06598	0.15456	-0.15578	0.00073	-0.23049
0.077359	0.09497	-0.11247	0.01503	-0.00864	0.85227	-0.14825	0.00131	-0.26702
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0.027976	0.54646	-0.05539	0.23222	-0.00705	0.87925	-0.07654	0.09853	-0.20932
-0.08414	0.06926	-0.11693	0.01145	-0.08301	0.07312	-0.12895	0.00526	-0.15609
-0.08098	0.08044	-0.09219	0.04647	-0.06072	0.19027	-0.08227	0.07572	-0.20599
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0.009406	0.83935	-0.17139	0.0002	-0.05972	0.19767	-0.20663	6.73E-06	-0.40432
0.069376	0.13439	0.034891	0.45192	0.080207	0.08337	0.000873	0.98499	0.056037
0.075481	0.10329	-0.08074	0.08134	0.030779	0.507	-0.14731	0.00141	-0.17836
0.046133	0.31983	-0.12956	0.00505	-0.00933	0.84066	-0.17343	0.00017	-0.2937
0.112145	0.01532	-0.05481	0.23711	0.041705	0.36853	-0.09143	0.0483	-0.13002
0.002143	0.96317	-0.1997	1.37E-05	-0.10967	0.01775	-0.20626	7.00E-06	-0.37437
0.095997	0.0381	-0.13487	0.0035	-0.02126	0.64675	-0.16456	0.00036	-0.33663
0.100105	0.03055	-0.01786	0.70029	0.014654	0.75212	-0.03197	0.49071	-0.04062
0.054774	0.23745	-0.1395	0.00252	-0.08544	0.06505	-0.1488	0.00126	-0.30673
-0.09648	0.03714	-0.17243	0.00018	-0.08068	0.08158	-0.21027	4.58E-06	-0.28601
0.036422	0.43231	-0.14952	0.00119	-0.04454	0.33685	-0.1846	5.99E-05	-0.35546
-0.00517	0.91125	-0.21026	4.59E-06	-0.10948	0.01795	-0.22493	9.07E-07	-0.31408
-0.00446	0.92334	-0.15916	0.00056	-0.12129	0.0087	-0.1321	0.00424	-0.27531
-0.06273	0.17598	-0.18718	4.70E-05	-0.11143	0.01599	-0.18643	5.04E-05	-0.37195
-0.00147	0.97474	-0.12443	0.0071	-0.07512	0.10497	-0.11354	0.01409	-0.21923
-0.00493	0.91544	-0.08578	0.064	-0.06478	0.16222	-0.0714	0.12338	-0.2176
0.035541	0.44354	-0.08768	0.05831	-0.03591	0.43887	-0.08489	0.06683	-0.07314
-0.06204	0.18077	-0.18026	8.96E-05	-0.12741	0.00583	-0.16767	0.00027	-0.28572
-0.00303	0.948	-0.12017	0.00934	-0.07311	0.11461	-0.11101	0.0164	-0.11715
-0.01519	0.74329	-0.23245	3.78E-07	-0.11153	0.01589	-0.26926	3.36E-09	-0.43463
0.04658	0.31516	-0.16578	0.00032	-0.04189	0.36639	-0.21041	4.51E-06	-0.30228
-0.00269	0.95372	-0.20536	7.69E-06	-0.08776	0.05809	-0.2401	1.51E-07	-0.36303
-0.02545	0.58329	-0.16779	0.00027	-0.10194	0.02761	-0.16656	0.0003	-0.3152
0.16051	0.0005	0.052035	0.26176	0.059576	0.19874	0.030013	0.51764	0.048896
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0.008617	0.85266	-0.0795	0.08614	0.00989	0.83121	-0.12453	0.00705	-0.22366
0.115906	0.01219	0.017753	0.70198	0.007414	0.87305	0.020764	0.65446	0.018441
0.006883	0.88207	-0.1636	0.00039	-0.09801	0.03422	-0.16093	0.00048	-0.3307
0.021326	0.64575	-0.10334	0.02554	-0.06026	0.19364	-0.10276	0.02638	-0.15118
0.003693	0.93657	-0.23114	4.42E-07	-0.10583	0.02218	-0.26062	1.09E-08	-0.45286
-0.09275	0.04516	-0.18505	5.75E-05	-0.12408	0.00726	-0.17545	0.00014	-0.35911
-0.02315	0.61777	-0.12312	0.00773	-0.05758	0.21426	-0.14051	0.00234	-0.23588
0.058533	0.20673	-0.13072	0.00466	-0.04799	0.30072	-0.15713	0.00066	-0.25088
-0.12898	0.00525	-0.27744	1.06E-09	-0.15023	0.00113	-0.30641	1.31E-11	-0.46324
0.005687	0.90245	-0.18708	4.74E-05	-0.10927	0.01817	-0.19952	1.40E-05	-0.32197
0.066708	0.15006	-0.10597	0.022	-0.01224	0.79192	-0.14702	0.00144	-0.25977
-0.07397	0.11041	-0.19796	1.64E-05	-0.12151	0.00857	-0.20006	1.33E-05	-0.32274
0.109123	0.01833	-0.04026	0.38537	-0.00496	0.91495	-0.05251	0.25742	-0.13442
0.088036	0.05729	-0.0582	0.20932	0.037782	0.41531	-0.11545	0.01254	-0.16705
0.046826	0.31261	-0.1712	0.0002	-0.1099	0.01751	-0.1551	0.00077	-0.30399
0.027645	0.55123	-0.15283	0.00092	-0.08818	0.05687	-0.15541	0.00075	-0.20995
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0.064656	0.16303	-0.18788	4.40E-05	-0.03542	0.44513	-0.24841	5.35E-08	-0.43278
0.00603	0.89659	-0.09551	0.03909	-0.04377	0.34531	-0.11775	0.01088	-0.11755
0.052204	0.26021	-0.06585	0.15538	-0.03179	0.49314	-0.06771	0.14401	-0.08697



0.062406	0.17821	-0.09861	0.03314	-0.01699	0.71429	-0.11642	0.01181	-0.24287
0.056089	0.22636	0.035348	0.44602	0.008013	0.86289	0.046804	0.31284	0.110837
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0.010857	0.81499	-0.10299	0.02604	-0.07368	0.11181	-0.07799	0.09227	-0.1791
0.183531	6.62E-05	0.094365	0.04152	0.177512	0.00012	0.016425	0.72333	0.037004
0.103128	0.02584	0.036183	0.43534	0.00088	0.98488	0.058714	0.20533	0.084859
0.064899	0.16145	-0.0537	0.24678	0.000418	0.99282	-0.0771	0.09608	-0.02939
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0.156332	0.0007	-0.06449	0.16412	0.046453	0.31648	-0.12919	0.00517	-0.17947
0.078148	0.09163	-0.07356	0.11241	-0.04351	0.34813	-0.05686	0.22003	-0.07173
0.060465	0.19211	-0.04988	0.28202	0.015584	0.73695	-0.07895	0.08835	-0.08134
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0.081858	0.07719	-1.48E-05	0.99975	0.021858	0.63753	-0.02739	0.55488	0.026615
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0.076021	0.10084	-0.02814	0.5441	0.081621	0.07806	-0.10339	0.02546	-0.14302
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0.055016	0.23538	-0.15407	0.00084	-0.01482	0.74942	-0.2183	1.91E-06	-0.39603
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0.06571	0.15627	-0.07727	0.09534	-0.00753	0.87107	-0.10478	0.02354	-0.21904
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0.116603	0.01168	-0.11628	0.01191	-0.00544	0.90669	-0.15932	0.00055	-0.2677
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0.006881	0.88211	-0.12852	0.00541	-0.03664	0.42956	-0.16117	0.00047	-0.35784
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0.1011	0.02892	-0.02127	0.64654	0.062931	0.17458	-0.07238	0.11827	-0.09679
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0.014809	0.74958	-0.14561	0.0016	-0.04009	0.38734	-0.178	0.00011	-0.30324
0.018097	0.69649	-0.08652	0.06174	0.002723	0.95321	-0.12717	0.00592	-0.27154
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0.011604	0.80251	-0.16583	0.00032	-0.07758	0.09402	-0.17329	0.00017	-0.38918
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0.072564	0.11735	-0.16412	0.00037	-0.01935	0.67665	-0.22032	1.53E-06	-0.38456
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0.025402	0.58399	-0.13123	0.0045	-0.02378	0.60824	-0.17072	0.00021	-0.37882
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0.026919	0.56174	-0.09178	0.04746	-0.01201	0.79581	-0.12138	0.00865	-0.23915
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-0.00395	0.93218	-0.20141	1.16E-05	-0.09694	0.03624	-0.23355	3.32E-07	-0.39353
0.01631	0.72518	-0.15186	0.00099	-0.00623	0.89327	-0.23228	3.86E-07	-0.3485
-0.00477	0.91818	-0.18241	7.35E-05	-0.07719	0.09571	-0.2114	4.06E-06	-0.33602
0.008129	0.86091	-0.17711	0.00012	-0.04525	0.32917	-0.21948	1.68E-06	-0.38014
-0.03782	0.41486	-0.1703	0.00022	-0.0822	0.07596	-0.2017	1.12E-05	-0.35008
-0.05468	0.23826	-0.15115	0.00105	-0.11008	0.01732	-0.13824	0.00276	-0.28539
0.083774	0.0705	-0.15106	0.00106	-0.03163	0.49527	-0.18553	5.49E-05	-0.37233
-0.00902	0.84587	-0.1846	5.99E-05	-0.06151	0.18451	-0.22969	5.23E-07	-0.38733
-0.01341	0.77249	-0.15545	0.00075	-0.0765	0.09869	-0.16559	0.00033	-0.38204
0.090047	0.05182	-0.08721	0.05968	0.032705	0.48078	-0.1364	0.00314	-0.27631
-0.05659	0.22223	-0.24783	5.75E-08	-0.1032	0.02574	-0.28086	6.49E-10	-0.50149
-0.09984	0.03099	-0.13913	0.00258	-0.12986	0.00494	-0.1108	0.0166	-0.24321
-0.12762	0.00575	-0.28061	6.73E-10	-0.16758	0.00028	-0.28569	3.20E-10	-0.52311
0.040212	0.38594	-0.04687	0.3122	0.011054	0.81169	-0.0819	0.07703	-0.08068
0.079486	0.08619	-0.14174	0.00214	-0.06627	0.15276	-0.14996	0.00115	-0.34547
0.066188	0.15327	-0.06044	0.19232	0.025351	0.58475	-0.1076	0.02003	-0.24732
-0.01325	0.77522	-0.20148	1.15E-05	-0.07594	0.10122	-0.22522	8.77E-07	-0.43327
0.008477	0.85503	-0.15958	0.00054	-0.05926	0.20111	-0.19881	1.50E-05	-0.36003
-0.01327	0.77487	-0.11362	0.01402	-0.03479	0.45318	-0.13982	0.00246	-0.20462
-0.09988	0.03093	-0.21261	3.56E-06	-0.13293	0.00401	-0.2063	6.97E-06	-0.39983
-0.065	0.16083	-0.18522	5.65E-05	-0.08148	0.07857	-0.21443	2.93E-06	-0.2181
-0.0075	0.87159	-0.20541	7.64E-06	-0.0189	0.68366	-0.29161	1.32E-10	-0.47843
0.010396	0.8227	-0.1855	5.51E-05	-0.05156	0.26613	-0.227	7.15E-07	-0.42837

-0.11257	0.01493	-0.19141	3.13E-05	-0.11636	0.01185	-0.18999	3.59E-05	-0.37231
0.079954	0.08436	-0.05727	0.21673	0.035733	0.44107	-0.11449	0.0133	-0.09042
-6.47E-05	0.99889	-0.20659	6.76E-06	-0.09289	0.04482	-0.23005	5.02E-07	-0.42565
-0.01749	0.70623	-0.23383	3.21E-07	-0.0677	0.14406	-0.30081	3.19E-11	-0.40079
0.035783	0.44044	-0.18758	4.52E-05	-0.02846	0.53958	-0.26027	1.14E-08	-0.37085
-0.09543	0.03925	-0.21595	2.48E-06	-0.11708	0.01134	-0.23665	2.29E-07	-0.44254
-0.12188	0.00837	-0.25401	2.61E-08	-0.15347	0.00088	-0.26175	9.37E-09	-0.40804
0.015496	0.73838	-0.19139	3.14E-05	-0.09411	0.04207	-0.20469	8.24E-06	-0.38766
-0.0124	0.78921	-0.15562	0.00074	-0.04601	0.3211	-0.1898	3.65E-05	-0.35028
0.041662	0.36903	-0.02676	0.56403	0.056587	0.22225	-0.09731	0.03553	-0.05242
-0.08816	0.05694	-0.29741	5.42E-11	-0.17101	0.0002	-0.30217	2.58E-11	-0.48385
-0.05318	0.25138	-0.19638	1.92E-05	-0.07249	0.11772	-0.23523	2.72E-07	-0.44931
-0.01592	0.73145	-0.13755	0.0029	-0.04604	0.32077	-0.16664	0.0003	-0.35034
-0.05474	0.23775	-0.21987	1.61E-06	-0.13782	0.00284	-0.21516	2.70E-06	-0.3392
0.061792	0.18252	-0.1393	0.00255	-0.00747	0.87213	-0.18655	4.99E-05	-0.35429
-0.05868	0.20559	-0.25651	1.88E-08	-0.14821	0.00132	-0.25996	1.19E-08	-0.49379
-0.01924	0.6783	-0.1532	0.0009	-0.05413	0.243	-0.18495	5.80E-05	-0.33716
-0.11384	0.01383	-0.22967	5.24E-07	-0.09503	0.0401	-0.28144	5.97E-10	-0.43054
0.018677	0.68727	-0.09257	0.04557	0.020434	0.65962	-0.16829	0.00026	-0.2346
-0.11176	0.01568	-0.26311	7.81E-09	-0.18031	8.92E-05	-0.25273	3.07E-08	-0.36803
0.020988	0.65098	-0.11475	0.01309	-0.00307	0.94727	-0.18144	8.04E-05	-0.2697
-0.01043	0.82222	-0.13984	0.00246	-0.02445	0.59819	-0.20645	6.86E-06	-0.33001
0.034	0.46356	-0.1597	0.00053	-0.0127	0.78436	-0.23128	4.34E-07	-0.38588
0.036144	0.43584	0.061096	0.18751	0.109274	0.01817	-0.00386	0.93367	0.11008
-0.10441	0.02404	0.026806	0.56338	-0.02852	0.53873	0.059454	0.19967	0.021292
-0.08399	0.06977	0.034341	0.45909	0.028108	0.54457	0.004644	0.92027	0.041608
-0.01696	0.71472	-0.11403	0.01367	-0.11161	0.01583	-0.08742	0.05908	-0.11174
-0.15383	0.00085	-0.10242	0.02689	-0.10717	0.02054	-0.07382	0.11113	-0.10994
-0.06202	0.18092	0.017714	0.7026	0.02199	0.63551	-0.00423	0.92736	0.002133
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-0.10221	0.0272	-0.07575	0.10205	-0.02104	0.65012	-0.09775	0.0347	-0.15603
-0.14509	0.00167	-0.11939	0.00981	-0.08679	0.06092	-0.11636	0.01185	-0.20557
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-0.10945	0.01798	-0.06085	0.18926	-0.06498	0.16094	-0.04276	0.35648	0.01079
-0.05774	0.21294	0.035291	0.44675	0.00642	0.88996	0.052702	0.25569	0.049003
-0.10409	0.02448	-0.08943	0.05345	-0.06946	0.13391	-0.07458	0.10746	-0.08602
-0.08749	0.05885	0.05939	0.20015	-0.00068	0.98836	0.08862	0.05565	0.113856
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-0.06822	0.14102	0.103449	0.02538	0.034167	0.46137	0.118848	0.01015	0.194947
-0.17192	0.00019	-0.13992	0.00244	-0.10297	0.02607	-0.1352	0.00342	-0.20567
-0.06319	0.17283	0.067128	0.1475	0.041124	0.37525	0.060215	0.19396	0.066214
-0.13276	0.00405	-0.11216	0.01531	-0.05304	0.25266	-0.13428	0.00365	-0.17732
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-0.08575	0.0641	-0.04985	0.28239	-0.01298	0.77962	-0.06085	0.18927	-0.10573
-0.01525	0.74231	0.086501	0.06179	0.028895	0.53336	0.101121	0.02889	0.071875
-0.11762	0.01096	-0.01011	0.82747	-0.02048	0.65893	-0.00983	0.8322	0.040342
0.012076	0.79466	0.071113	0.12488	0.063254	0.17237	0.05068	0.27441	0.12564
0.013647	0.76866	0.19172	3.04E-05	0.087147	0.05986	0.209225	5.12E-06	0.338324
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-0.10659	0.02123	-0.07093	0.12584	-0.03817	0.41055	-0.08911	0.05431	-0.10306
-0.05169	0.26498	0.056618	0.222	0.026585	0.56659	0.059781	0.1972	0.081524
-0.0595	0.19934	0.032133	0.48849	0.018948	0.68298	0.024293	0.60053	0.056459
-0.09831	0.03368	-0.03355	0.46956	-0.04726	0.30809	-0.02044	0.65959	0.047414
-0.19864	1.53E-05	-0.17428	0.00015	-0.15264	0.00094	-0.15613	0.00071	-0.18961
-0.22466	9.36E-07	-0.14727	0.00142	-0.17098	0.00021	-0.10366	0.02509	-0.12496
-0.02124	0.64713	0.134236	0.00366	0.074906	0.10595	0.126994	0.00599	0.202879
-0.16325	0.0004	-0.1057	0.02234	-0.10288	0.0262	-0.07136	0.1236	-0.12871
-0.09205	0.04679	-0.10523	0.02295	-0.09013	0.0516	-0.08765	0.0584	-0.19024
-0.0061	0.89547	0.089058	0.05445	0.020889	0.65252	0.120432	0.00919	0.127994
-0.19623	1.95E-05	-0.01845	0.69089	-0.08857	0.05579	0.031881	0.4919	-0.05586
-0.15944	0.00054	-0.00899	0.84632	-0.07455	0.10761	0.039254	0.39737	-0.01532
-0.10062	0.02969	0.014935	0.74753	-0.00887	0.84844	0.017274	0.70966	0.039497
-0.07706	0.09625	0.112299	0.01518	-0.00104	0.98212	0.161833	0.00045	0.188431
-0.10706	0.02067	-0.02923	0.52857	-0.06458	0.16355	0.002329	0.95996	0.052376
0.005401	0.90733	0.12779	0.00568	0.069104	0.13593	0.141904	0.00211	0.19356
-0.07431	0.10875	-0.01014	0.82695	-0.00252	0.95666	-0.00863	0.85241	-0.09016
-0.00403	0.93071	0.019425	0.67545	0.056949	0.21931	-0.02098	0.65115	-0.02475
-0.22592	8.10E-07	-0.12567	0.00654	-0.11947	0.00976	-0.11164	0.01579	-0.17032
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0.245011	8.21E-08	0.120715	0.00902	0.106034	0.02192	0.119187	0.00994	0.099895
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0.07493	0.10584	0.160431	0.0005	0.109689	0.01773	0.149963	0.00115	0.21168
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-0.09202	0.04687	-0.11688	0.01148	-0.06953	0.13353	-0.11507	0.01284	-0.17588
-0.05583	0.22854	-0.05926	0.20111	-0.03145	0.49772	-0.05891	0.20383	-0.07289
-0.06425	0.1657	-0.01152	0.80399	0.005057	0.91321	-0.01696	0.71467	-0.05227
-0.03264	0.48164	0.077464	0.09452	0.04433	0.33913	0.095523	0.03907	0.085125
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-0.19716	1.78E-05	-0.17925	9.82E-05	-0.17114	0.0002	-0.12825	0.00551	-0.23929
-0.12147	0.0086	-0.04898	0.29086	-0.04233	0.36135	-0.04133	0.3728	-0.07683
-0.06969	0.13265	0.052632	0.25633	0.008726	0.85082	0.060865	0.18919	0.136908
-0.07617	0.10018	-0.10773	0.01988	-0.04786	0.30199	-0.11997	0.00946	-0.2426
-0.11582	0.01226	0.020858	0.65302	-0.02951	0.52465	0.045879	0.32251	0.158874
-0.19795	1.64E-05	-0.09258	0.04555	-0.1079	0.01968	-0.06072	0.19023	-0.05551
-0.15719	0.00065	-0.1384	0.00272	-0.1322	0.00421	-0.10019	0.03041	-0.17163
-0.14372	0.00185	-0.02115	0.64846	-0.0663	0.15256	0.006231	0.89318	0.045141

-0.04791	0.30154	-0.01879	0.68548	-0.01244	0.78856	-0.02496	0.59051	-0.03668
-0.18224	7.47E-05	-0.16047	0.0005	-0.15002	0.00115	-0.13112	0.00454	-0.21554
-0.09578	0.03854	0.004324	0.92576	-0.0256	0.58107	0.027766	0.54948	-0.06409
-0.01637	0.7242	0.064082	0.16681	0.047977	0.30085	0.050533	0.2758	0.111885
-0.04832	0.29744	-0.20049	1.27E-05	-0.11282	0.01471	-0.2173	2.14E-06	-0.30983
-0.0341	0.46219	-0.01009	0.82784	0.009107	0.8444	-0.00581	0.90035	-0.06594
-0.17354	0.00016	-0.08058	0.08196	-0.10026	0.03028	-0.06133	0.18585	-0.04899
-0.00861	0.85282	0.069724	0.13244	0.11006	0.01735	0.008162	0.86036	0.017575
-0.06217	0.17987	-0.01545	0.73906	-0.03517	0.44829	-0.0087	0.85135	-0.12262
0.04396	0.34319	0.108581	0.01892	0.114954	0.01293	0.069461	0.13391	0.145762
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-0.20849	5.53E-06	-0.13252	0.00412	-0.13027	0.00481	-0.0989	0.03263	-0.1034
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-0.23233	3.84E-07	-0.16466	0.00035	-0.12942	0.00509	-0.16121	0.00047	-0.20417
-0.07469	0.10697	-0.05842	0.20762	-0.05917	0.20181	-0.04397	0.34311	-0.14847
-0.14102	0.00225	-0.01751	0.70592	-0.06774	0.14383	0.021323	0.64579	0.024367
0.00376	0.93541	-0.01807	0.69688	0.036422	0.43231	-0.04849	0.29568	-0.12472
-0.07242	0.11809	0.006118	0.8951	-0.02196	0.63589	0.035301	0.44662	-0.07
-0.08849	0.05601	0.030142	0.51584	-0.01366	0.76846	0.05682	0.22035	0.075089
-0.14245	0.00203	-0.01698	0.71438	-0.07372	0.11163	0.027188	0.55783	0.102613
-0.08	0.08417	-0.02742	0.55447	-0.06353	0.17053	0.008406	0.85623	-0.10377
-0.13439	0.00362	-0.03492	0.45155	-0.06765	0.14435	-0.00589	0.89903	-0.07954
-0.05695	0.2193	-0.01604	0.72949	0.010041	0.82866	-0.02803	0.54567	-0.00693
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-0.16671	0.0003	-0.12013	0.00936	-0.12744	0.00582	-0.09057	0.05046	-0.20736
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-0.06248	0.17767	0.051159	0.26989	0.029315	0.52743	0.054553	0.23935	0.07075
-0.06688	0.14902	-0.0238	0.60799	0.000437	0.99249	-0.04356	0.34754	0.052646
-0.04423	0.34027	-0.01279	0.78276	-0.00316	0.94569	-0.01642	0.72336	-0.07945
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-0.09432	0.04161	-0.0856	0.06455	-0.08423	0.06899	-0.05866	0.20577	-0.10067
-0.11987	0.00952	-0.1248	0.00693	-0.09013	0.0516	-0.12312	0.00773	-0.13817
-0.06819	0.14121	-0.02451	0.59729	-0.01283	0.78207	-0.03932	0.39654	-0.05422
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0.089789	0.05249	0.201644	1.13E-05	0.128761	0.00532	0.202987	9.83E-06	0.242319
-0.12977	0.00497	0.00578	0.90086	-0.02518	0.58721	0.017401	0.70761	0.066552
-0.10909	0.01837	-0.00714	0.87773	-0.05585	0.22831	0.028043	0.54551	0.08838

-0.02618	0.57251	0.032421	0.48459	0.039445	0.39506	0.010141	0.82698	0.034747
-0.05306	0.25243	0.001715	0.97051	-0.02765	0.55109	0.019476	0.67464	0.061638
-0.19241	2.84E-05	-0.08514	0.06602	-0.12926	0.00515	-0.03795	0.41322	0.007963
-0.09236	0.04607	-0.06342	0.17127	-0.09112	0.04908	-0.0279	0.54761	-0.05053
-0.15072	0.00109	-0.0691	0.13595	-0.07189	0.12078	-0.05964	0.19828	-0.02877
0.001017	0.98251	0.004757	0.91834	0.038893	0.40172	-0.02065	0.65623	-0.03651
-0.01572	0.73468	0.054674	0.2383	0.045781	0.32354	0.036165	0.43558	0.066703
-0.18534	5.59E-05	-0.10171	0.02796	-0.09968	0.03127	-0.09613	0.03783	-0.10262
-0.12714	0.00594	-0.04362	0.34698	-0.05159	0.2659	-0.03225	0.48686	-0.04044
-0.02407	0.60383	0.07058	0.12775	0.028506	0.5389	0.076421	0.09906	0.091582
-0.14537	0.00163	-0.09501	0.04013	-0.09721	0.03572	-0.06603	0.15424	-0.14402
-0.13666	0.00308	-0.0482	0.29856	-0.07674	0.09765	-0.01282	0.78229	-0.04413
-0.02587	0.57707	0.099355	0.03182	0.049814	0.2827	0.1024	0.02691	0.237322
0.003763	0.93536	-0.01447	0.75509	0.008739	0.8506	-0.02954	0.52431	-0.06188
-0.12015	0.00935	-0.08206	0.07646	-0.1065	0.02134	-0.04333	0.35016	-0.12974
-0.11523	0.01271	-0.03775	0.41567	-0.04067	0.38058	-0.02368	0.60977	-0.02621
0.039655	0.39256	0.167628	0.00027	0.088763	0.05526	0.187041	4.76E-05	0.259088
-0.0582	0.20937	-0.05375	0.24639	-0.02799	0.54627	-0.05398	0.24433	-0.14529
-0.11658	0.01169	0.008956	0.84693	-0.03683	0.42723	0.030718	0.50784	0.027022
-0.13301	0.00398	0.008289	0.85822	-0.04299	0.3539	0.034112	0.4621	0.10306
-0.1286	0.00538	-0.0355	0.44402	-0.07277	0.11631	-0.00247	0.95759	-0.08954
-0.01135	0.80672	0.118829	0.01017	0.044456	0.33776	0.158367	0.00059	0.106058
-0.14018	0.0024	-0.01416	0.76019	-0.06406	0.16693	0.004946	0.91511	0.093734
-0.15272	0.00093	-0.05869	0.2055	-0.07894	0.0884	-0.03807	0.41171	0.011652
-0.09331	0.04385	-0.05435	0.24106	-0.06444	0.16446	-0.04337	0.34969	-0.07162
0.03776	0.41559	0.125288	0.00671	0.100884	0.02927	0.107581	0.02005	0.187863
-0.153	0.00091	0.006416	0.89002	-0.05833	0.20833	0.058753	0.20503	-0.05963
0.066852	0.14918	-0.10356	0.02522	-0.02452	0.59712	-0.13849	0.00271	-0.13972
-0.05166	0.26521	0.050369	0.27737	0.01966	0.67174	0.05901	0.20305	0.131323
-0.10988	0.01753	0.033121	0.47521	-0.0364	0.43263	0.06914	0.13572	0.195544
-0.0334	0.47154	-0.02671	0.56471	-0.01547	0.73877	-0.02216	0.63295	-0.07793
-0.18352	6.63E-05	-0.10482	0.02348	-0.12392	0.00734	-0.05938	0.20023	-0.07141
0.050902	0.2723	-0.13714	0.00298	-0.08002	0.08412	-0.13903	0.0026	-0.18514
-0.077	0.09652	0.005576	0.90434	-0.03366	0.46807	0.039723	0.39175	0.012759
0.092648	0.04538	-0.01922	0.67868	0.037924	0.41357	-0.06612	0.1537	-0.09089
-0.04432	0.33925	0.083712	0.07071	0.045928	0.32199	0.062809	0.17541	0.178909
-0.14185	0.00212	-0.03398	0.46382	-0.03161	0.49555	-0.03862	0.40506	0.016056
-0.03415	0.46156	0.120673	0.00905	0.031443	0.49788	0.161744	0.00045	0.166722
-0.13246	0.00414	-0.03358	0.46917	-0.03616	0.43559	-0.03663	0.42969	-0.05085
-0.09072	0.05009	-0.0947	0.04079	-0.03746	0.41936	-0.10473	0.02361	-0.24343
-0.14826	0.00131	-0.02214	0.63316	-0.06761	0.14462	0.018076	0.69683	0.013063
-0.14989	0.00116	-0.01079	0.81614	-0.04596	0.32165	0.004065	0.93019	0.024637
-0.163	0.0004	-0.00021	0.99632	-0.06996	0.13113	0.04701	0.31071	0.052008
-0.1598	0.00053	-0.11279	0.01474	-0.12864	0.00537	-0.06996	0.13113	-0.08591
-0.10343	0.02541	0.028436	0.53988	-0.03139	0.49858	0.058075	0.21031	0.106718

-0.18298	6.97E-05	-0.17277	0.00018	-0.13475	0.00353	-0.15116	0.00105	-0.26157
-0.14813	0.00133	0.001169	0.97989	-0.06573	0.15612	0.041667	0.36897	0.069098
-0.06798	0.14243	-0.00327	0.94375	-0.00153	0.97378	0.011246	0.80848	-0.06634
-0.15412	0.00083	0.024268	0.6009	-0.06363	0.16985	0.07894	0.08838	0.087814
-0.06785	0.14318	0.029664	0.52252	-0.02097	0.65128	0.044908	0.33287	0.072121
0.080542	0.08209	0.076689	0.09787	0.100104	0.03055	0.029208	0.52894	0.11986
-0.10525	0.02292	-0.08905	0.05448	-0.09625	0.03759	-0.05873	0.20522	-0.15172
-0.08366	0.0709	0.01178	0.79958	-0.01628	0.72567	0.018672	0.68735	0.065835
-0.19331	2.60E-05	-0.10947	0.01796	-0.11114	0.01627	-0.07575	0.10206	-0.10381
-0.03943	0.39522	0.078088	0.09188	0.025305	0.58543	0.095731	0.03864	0.135331
-0.03398	0.46382	0.009057	0.84523	-0.00441	0.92425	0.017203	0.7108	0.029747
0.004108	0.92945	-0.13637	0.00315	-0.07017	0.12996	-0.14766	0.00137	-0.15584
-0.18968	3.70E-05	-0.07839	0.09061	-0.10197	0.02757	-0.03008	0.51666	-0.18141
-0.13942	0.00253	-0.12883	0.0053	-0.10875	0.01874	-0.11123	0.01619	-0.22515
-0.12736	0.00585	-0.04008	0.38749	-0.05555	0.23089	-0.02575	0.5788	-0.02941
-0.19295	2.69E-05	-0.12101	0.00885	-0.13793	0.00282	-0.06812	0.14162	-0.14578
-0.15423	0.00083	-0.12375	0.00742	-0.10236	0.02697	-0.11195	0.01551	-0.25675
-0.05745	0.21526	-0.005	0.91421	-0.01309	0.77776	-0.00603	0.89656	-0.08631
-0.23102	4.48E-07	-0.16669	0.0003	-0.17852	0.00011	-0.11652	0.01174	-0.19246
-0.05904	0.20279	-0.10992	0.01749	-0.09318	0.04416	-0.09802	0.0342	-0.09602
-0.13013	0.00485	-0.02194	0.63621	-0.04109	0.37569	-0.00399	0.93146	0.034837
-0.00074	0.98736	0.081319	0.07917	0.068284	0.14064	0.063173	0.17292	0.104478
-0.11077	0.01663	0.037738	0.41586	-0.03642	0.43238	0.091931	0.04709	0.13645
-0.15151	0.00102	-0.08299	0.07319	-0.06667	0.1503	-0.08889	0.05491	-0.12027
-0.12116	0.00877	-0.03923	0.39765	-0.04965	0.28429	-0.02528	0.58579	0.042306
0.06525	0.1592	0.123446	0.00757	0.144496	0.00174	0.068991	0.13657	0.027681
-0.10196	0.02758	-0.03955	0.39381	-0.02821	0.54308	-0.04815	0.29909	0.046271
-0.09456	0.04111	-0.02021	0.66313	-0.05409	0.2434	-0.00537	0.90779	0.036691
-0.1765	0.00013	-0.13046	0.00475	-0.10455	0.02385	-0.12692	0.00602	-0.20607
-0.09233	0.04613	0.009663	0.83502	-0.04897	0.29093	0.04724	0.30835	0.089572
-0.05513	0.23437	0.061566	0.18413	0.013234	0.77547	0.071962	0.12043	0.154881
-0.21213	3.75E-06	-0.16707	0.00029	-0.16226	0.00043	-0.12531	0.0067	-0.23362
-0.1441	0.0018	-0.11172	0.01572	-0.13512	0.00344	-0.0721	0.11973	-0.17559
-0.08023	0.0833	0.015938	0.73121	-0.04211	0.36392	0.059338	0.20055	0.019875
-0.07611	0.10044	0.026685	0.56514	-0.00065	0.98891	0.037097	0.42383	0.072455
-0.10602	0.02193	-0.05954	0.19903	-0.03818	0.41039	-0.06262	0.17675	-0.11564
-0.02622	0.57195	-0.15436	0.00082	-0.06398	0.16748	-0.17558	0.00014	-0.28659
-0.06221	0.17955	-0.04565	0.32494	-0.05349	0.24861	-0.0342	0.46096	-0.08221
0.133359	0.00389	-0.03393	0.46454	0.030528	0.51048	-0.06657	0.15091	-0.03614
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0.018891	0.68387	-0.17452	0.00015	-0.08738	0.05919	-0.19625	1.94E-05	-0.22105
-0.01553	0.73789	0.070532	0.128	0.029255	0.52827	0.07585	0.10161	0.171661
-0.13746	0.00291	-0.04645	0.31653	-0.05058	0.27535	-0.02414	0.60285	-0.14336
-0.11502	0.01287	0.031535	0.49661	-0.01939	0.67597	0.050243	0.27857	0.048902
-0.10094	0.02918	-0.04074	0.37969	-0.04567	0.32469	-0.02862	0.53729	-0.0785



-0.09694	0.03624	-0.07499	0.10557	-0.06631	0.1525	-0.06683	0.14932	0.024067
-0.17746	0.00012	-0.15274	0.00093	-0.15507	0.00077	-0.10566	0.02239	-0.23416
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-0.13918	0.00258	0.002822	0.9515	-0.0443	0.33943	0.016808	0.71715	0.003648
-0.08307	0.07291	0.103195	0.02575	0.029736	0.52151	0.13121	0.00451	0.130688
-0.15406	0.00084	-0.02204	0.63467	-0.05837	0.20798	-0.00804	0.86236	0.008723
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-0.1322	0.00421	0.032622	0.48189	-0.02314	0.61786	0.047561	0.30507	0.148801
-0.06199	0.18111	0.054502	0.23979	-0.04344	0.34896	0.102127	0.02733	0.144342
-0.0971	0.03593	-0.03747	0.41923	-0.04652	0.31583	-0.02647	0.56828	-0.10002
-0.10377	0.02493	-0.01907	0.68109	-0.00602	0.89684	-0.03731	0.42114	-0.05738
-0.06239	0.1783	0.058148	0.20974	0.00591	0.89865	0.077642	0.09376	0.1209
-0.02506	0.58904	0.103795	0.02489	0.051089	0.27055	0.1242	0.00721	0.097546
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-0.11359	0.01404	-0.08833	0.05646	-0.07609	0.10054	-0.08896	0.05472	-0.0267
-0.13525	0.00341	-0.08785	0.05783	-0.1235	0.00754	-0.02552	0.58227	-0.09665
-0.07079	0.12662	0.013859	0.76517	0.059151	0.20197	-0.04422	0.34034	-0.05066
-0.18443	6.09E-05	-0.08691	0.06056	-0.1181	0.01064	-0.05237	0.25867	-0.03938
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0.000835	0.98564	0.13829	0.00275	0.099826	0.03102	0.129379	0.00511	0.223717
-0.1437	0.00185	-0.19923	1.44E-05	-0.14838	0.0013	-0.18407	6.30E-05	-0.31794
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-0.08601	0.06327	0.0233	0.61551	0.026049	0.57445	0.014208	0.75943	0.03577
-0.02313	0.6181	0.035938	0.43846	0.062957	0.17439	6.97E-05	0.9988	0.027201
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-0.07828	0.0911	-0.04323	0.35122	-0.02269	0.62485	-0.05637	0.22404	-0.02327
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0.033819	0.46595	0.132957	0.004	0.067811	0.14342	0.141847	0.00212	0.304506
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-0.08322	0.0724	0.026897	0.56205	0.002785	0.95214	0.049248	0.28821	0.045564
-0.04726	0.30817	0.017515	0.70578	0.005821	0.90016	0.015111	0.74465	0.015196
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-0.21402	3.06E-06	-0.10454	0.02387	-0.13584	0.00327	-0.05648	0.22312	-0.10596
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-0.15768	0.00063	-0.11647	0.01178	-0.13474	0.00353	-0.09412	0.04206	-0.19861
-0.04868	0.29386	0.045104	0.33076	0.040579	0.38161	0.026131	0.57325	0.038538

-0.06264	0.17658	0.077986	0.09231	0.026044	0.57453	0.092594	0.04551	0.186578
-0.05679	0.22057	-0.01121	0.80913	-0.02254	0.62706	-0.00554	0.90502	0.086413
-0.12314	0.00772	0.001664	0.97139	-0.03749	0.41892	0.020402	0.66012	0.087195
-0.01843	0.69119	-0.02379	0.60809	-0.03168	0.49461	-0.01921	0.67882	0.04294
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-0.12824	0.00551	-0.05104	0.271	-0.1043	0.0242	4.51E-05	0.99922	0.020077
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0.11884	0.01016	0.004104	0.92952	-0.00482	0.91719	0.009373	0.83991	0.002654
-0.07469	0.10695	0.018051	0.69723	0.001341	0.97694	0.021632	0.64103	0.079578
-0.09057	0.05046	-0.01072	0.81734	-0.00376	0.93545	-0.02537	0.58448	-0.03954
-0.14612	0.00154	-0.04577	0.32371	-0.03425	0.46022	-0.04544	0.3272	-0.07024
-0.06157	0.18411	-0.02465	0.59519	-0.04162	0.36952	-0.01872	0.68666	-0.07802
-0.11689	0.01148	-0.05787	0.21195	-0.02667	0.56542	-0.06841	0.13993	-0.12083
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-0.11806	0.01067	-0.14377	0.00184	-0.10495	0.02332	-0.14201	0.0021	-0.19229
-0.13837	0.00273	-0.04056	0.38181	-0.04938	0.2869	-0.03571	0.44143	-0.0129
-0.1131	0.01446	-0.02567	0.57997	-0.03515	0.44852	-0.03376	0.46673	0.042671
-0.07284	0.11594	-0.05497	0.23579	-0.01451	0.75454	-0.07938	0.08661	-0.14731
-0.13808	0.00279	-0.12531	0.0067	-0.09521	0.03971	-0.11711	0.01132	-0.21544
-0.0749	0.106	0.057637	0.21378	0.005326	0.90862	0.07759	0.09398	0.108685
-0.05976	0.19736	0.047742	0.30323	0.02577	0.57856	0.03804	0.41213	0.025787
-0.15913	0.00056	-0.11012	0.01728	-0.10998	0.01743	-0.0808	0.08113	-0.17653
-0.04346	0.34874	0.046498	0.31602	0.016168	0.72747	0.0397	0.39201	0.183744
-0.09749	0.0352	-0.00089	0.98461	-0.02651	0.56768	0.000144	0.99752	0.064345
0.110004	0.0174	-0.06884	0.13742	-0.00073	0.98746	-0.09674	0.03663	-0.10156
-0.10367	0.02507	-0.1003	0.03022	-0.06594	0.1548	-0.10395	0.02468	-0.21053
-0.14733	0.00141	-0.15016	0.00113	-0.10169	0.02799	-0.14087	0.00228	-0.29822
0.044885	0.33311	0.083519	0.07136	0.068053	0.142	0.072065	0.1199	0.101249
-0.09831	0.03367	-0.02574	0.57907	-0.01587	0.73225	-0.04053	0.38219	-0.09582
-0.11876	0.01021	0.108538	0.01897	0.018406	0.69158	0.130614	0.0047	0.222131
0.002399	0.95877	0.092478	0.04578	0.068455	0.13965	0.073302	0.11366	0.152109
-0.1311	0.00454	-0.08842	0.05622	-0.05678	0.22064	-0.08665	0.06134	-0.11322
-0.11905	0.01002	-0.02452	0.59718	-0.03077	0.50707	-0.01628	0.72564	-0.00279
-0.15942	0.00054	-0.0701	0.13036	-0.05981	0.19695	-0.07366	0.11192	-0.04841
-0.16185	0.00045	0.016428	0.72327	-0.06764	0.14443	0.068116	0.14163	0.089301
-0.0613	0.18604	0.061107	0.18743	0.01015	0.82683	0.072562	0.11736	0.12795
-0.00147	0.97477	0.051802	0.26391	0.039227	0.39769	0.039722	0.39176	0.033096

-0.00571	0.90207	0.080603	0.08186	0.052451	0.25797	0.08901	0.05458	0.111185
0.098512	0.03331	-0.09845	0.03342	0.000723	0.98756	-0.14176	0.00213	-0.25276
0.026763	0.56401	0.093462	0.04351	0.065981	0.15457	0.085438	0.06507	0.244161
0.132967	0.004	0.234869	2.84E-07	0.173429	0.00017	0.196454	1.90E-05	0.312859
0.116563	0.01171	0.204775	8.17E-06	0.148946	0.00125	0.173437	0.00017	0.33268
-0.00718	0.87694	0.029427	0.52585	0.012568	0.78648	0.020081	0.66513	0.133098
0.022087	0.63402	0.058291	0.20862	0.02879	0.53486	0.052676	0.25593	0.147606
0.065024	0.16064	0.01993	0.6675	0.042475	0.35974	-0.01183	0.79876	0.036084
0.017566	0.70496	0.103377	0.02548	0.046559	0.31538	0.119108	0.00999	0.211788
0.029889	0.51937	0.100151	0.03047	0.072682	0.11675	0.085591	0.06459	0.177974
0.047307	0.30766	-0.09774	0.03472	-0.01406	0.76188	-0.12545	0.00664	-0.19449
-0.07581	0.10179	-0.01838	0.69201	-0.06596	0.15472	0.026219	0.57196	-0.01957
0.032183	0.48781	0.080737	0.08135	0.057075	0.21829	0.069064	0.13616	0.179855
-0.03683	0.42712	0.014045	0.76211	-0.0071	0.87834	0.023036	0.61951	0.075462
-0.09024	0.05131	-0.00991	0.83092	-0.03386	0.46541	-0.00386	0.93376	-0.03679
0.093625	0.04315	0.049784	0.28299	0.046284	0.31825	0.044407	0.33829	0.099192
0.046066	0.32053	0.222861	1.15E-06	0.089368	0.05361	0.260988	1.04E-08	0.402393
-0.01443	0.75578	-0.00697	0.88066	-0.00275	0.95271	-0.01141	0.80567	-0.04577
-0.00016	0.99723	0.02203	0.63489	0.018593	0.6886	0.019573	0.6731	0.122537
-0.03538	0.44562	-0.06147	0.18482	-0.03693	0.42596	-0.05464	0.23863	-0.09189
0.069015	0.13644	0.033655	0.46812	0.069123	0.13582	0.004879	0.91626	0.001472
0.019822	0.66919	-0.02061	0.65693	0.00555	0.90479	-0.03025	0.5143	-0.06739
-0.07787	0.09278	-0.11595	0.01216	-0.09472	0.04076	-0.11568	0.01236	-0.08858
0.03839	0.40784	0.03439	0.45845	-0.00031	0.99474	0.047582	0.30485	0.045746
-0.02238	0.62955	-0.0669	0.14889	-0.02295	0.62087	-0.07744	0.0946	-0.08644
0.22091	1.43E-06	0.099413	0.03172	0.176562	0.00013	0.027672	0.55084	0.028673
-0.01162	0.80218	0.054061	0.24362	0.029774	0.52097	0.053062	0.25245	0.230243
0.090024	0.05187	0.040386	0.38389	0.076296	0.09961	0.006495	0.88867	0.072965
-0.03263	0.48185	-0.00689	0.88187	-0.02418	0.60217	-0.00467	0.91975	0.143112
0.098621	0.03311	0.027451	0.55402	0.066727	0.14995	0.002706	0.9535	0.055376
0.030174	0.51539	0.100513	0.02987	0.061192	0.18682	0.096795	0.03652	0.196269
0.020924	0.65198	0.029545	0.52419	0.020627	0.65661	0.020061	0.66544	0.01903
0.004404	0.92438	0.040516	0.38235	0.019237	0.67841	0.026281	0.57105	0.068266
0.0551	0.23466	0.097174	0.03579	0.064783	0.1622	0.088957	0.05473	0.218483
-0.00866	0.85194	-0.00854	0.85403	0.011521	0.8039	-0.00679	0.88358	0.000292
0.078368	0.09072	0.052357	0.25882	0.038049	0.41203	0.073024	0.11504	0.181397
0.084548	0.06793	0.121255	0.00872	0.090249	0.05129	0.127939	0.00563	0.062622
-0.03711	0.42372	-0.04218	0.36308	-0.05119	0.26962	-0.03087	0.50572	0.033799
0.056183	0.22558	0.000277	0.99523	-0.00678	0.8839	-0.00214	0.96324	0.047117
0.013521	0.77072	0.054008	0.24408	0.029029	0.53147	0.063355	0.17168	0.063054
0.072682	0.11676	0.112214	0.01526	0.10298	0.02606	0.081092	0.08001	0.076288
-0.0316	0.4957	-0.02313	0.61804	-0.02722	0.55742	-0.01419	0.75968	-0.00074
0.082346	0.07544	0.081486	0.07856	0.099256	0.03199	0.034181	0.46119	0.133505
0.022008	0.63523	-0.02411	0.60326	0.018991	0.68229	-0.03697	0.42541	-0.07301
0.131359	0.00446	0.103011	0.02601	0.119975	0.00946	0.068041	0.14206	0.098889

-0.08798	0.05745	-0.0833	0.0721	-0.06585	0.15537	-0.08206	0.07647	-0.08391
0.019584	0.67294	-0.07135	0.12361	-0.01116	0.80984	-0.08678	0.06095	-0.09032
-0.03036	0.51278	0.036054	0.43698	0.011061	0.81158	0.043751	0.34548	0.09119
0.051333	0.26826	-0.00321	0.94481	-0.00163	0.97198	0.001187	0.97959	0.037855
0.01603	0.72972	0.083608	0.07106	0.053877	0.24523	0.06832	0.14044	0.090717
-0.04711	0.30966	-0.01121	0.80915	-0.02487	0.59196	-0.00296	0.94912	-0.03942
-0.00821	0.8595	-0.10509	0.02313	-0.07645	0.09891	-0.0999	0.0309	-0.12971
-0.06505	0.16047	-0.16596	0.00032	-0.11775	0.01087	-0.15089	0.00107	-0.30132
0.026352	0.57	0.053026	0.25278	0.017084	0.7127	0.062908	0.17473	0.202052
-0.05865	0.20585	-0.07088	0.12613	-0.07813	0.09172	-0.05375	0.24636	-0.15521
0.085736	0.06414	0.225486	8.51E-07	0.115813	0.01226	0.231432	4.27E-07	0.527273
0.367786	2.10E-16	0.41108	1.81E-20	0.36059	8.71E-16	0.321487	1.09E-12	0.337965
0.003088	0.94693	0.093968	0.04239	0.037526	0.41848	0.112582	0.01493	0.230423
-0.042	0.36516	-0.02258	0.62651	-0.02971	0.52188	-0.01779	0.70137	-0.03446
-0.10214	0.0273	-0.05023	0.27869	-0.04843	0.2963	-0.05638	0.22397	0.020933
-0.01601	0.7301	0.011303	0.80753	0.002277	0.96086	0.013742	0.7671	0.112611
0.010517	0.82068	0.019548	0.6735	0.02938	0.52652	-9.27E-05	0.99841	0.099048
-0.08856	0.05581	-0.12954	0.00505	-0.09657	0.03697	-0.1317	0.00436	-0.1641
-0.06955	0.1334	-0.19775	1.67E-05	-0.13268	0.00407	-0.17724	0.00012	-0.37476
0.0057	0.90222	-0.01477	0.75027	-0.02553	0.58206	-0.01651	0.72192	-0.03687
0.06876	0.13789	0.067596	0.1447	0.07093	0.12586	0.040176	0.38637	0.064714
-0.07606	0.10065	-0.08305	0.07296	-0.04398	0.343	-0.09972	0.0312	-0.15302
0.051151	0.26996	0.265584	5.58E-09	0.115902	0.0122	0.321205	1.14E-12	0.296833
0.083881	0.07014	0.095651	0.03881	0.047057	0.31023	0.11378	0.01389	0.181434
0.013332	0.77385	0.083339	0.07198	0.0465	0.316	0.072759	0.11637	0.208962
0.184545	6.02E-05	0.19744	1.73E-05	0.170007	0.00022	0.165522	0.00033	0.287378
-0.01878	0.68557	0.011843	0.79852	0.00353	0.93936	0.009947	0.83025	0.092762
0.072467	0.11784	0.066223	0.15306	0.050257	0.27844	0.066131	0.15363	0.10897
0.150144	0.00114	0.100822	0.02937	0.161677	0.00045	0.025967	0.57565	0.055621
0.013972	0.76331	-0.09376	0.04285	-0.00359	0.9384	-0.14597	0.00156	-0.09912
0.020764	0.65446	0.046997	0.31084	0.036623	0.42977	0.04236	0.36106	0.180596
0.074993	0.10555	0.129601	0.00503	0.120447	0.00918	0.072011	0.12018	0.28918
0.065215	0.15942	-0.02986	0.51981	0.022006	0.63526	-0.06255	0.17723	-0.05553
-0.07212	0.11961	-0.00181	0.96885	-0.02966	0.52256	0.013908	0.76436	0.088811
-0.10589	0.0221	-0.08691	0.06055	-0.08391	0.07004	-0.07087	0.12621	-0.12216
0.020735	0.65492	-0.00855	0.85378	0.023752	0.60867	-0.02776	0.54953	-0.02206
0.012435	0.78869	0.032189	0.48773	0.019265	0.67796	0.030716	0.50787	0.073675
-0.13422	0.00366	-0.21068	4.38E-06	-0.16961	0.00023	-0.18368	6.53E-05	-0.35415
0.054169	0.24268	0.090616	0.05035	0.077787	0.09314	0.058406	0.20772	0.227936
0.046597	0.31499	0.056614	0.22203	0.035405	0.44528	0.080291	0.08305	0.161729
0.022732	0.62414	-0.0298	0.52055	0.001756	0.9698	-0.0464	0.31706	-0.04239
-0.1001	0.03056	-0.18359	6.59E-05	-0.15331	0.00089	-0.16368	0.00038	-0.2952
-0.00833	0.85753	-0.03748	0.41902	-0.04931	0.28763	-0.00674	0.8845	-0.25065
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0.030389	0.51241	0.094104	0.04209	0.05669	0.22141	0.095571	0.03897	0.161761

0.384996	6.00E-18	0.209498	4.97E-06	0.294279	8.78E-11	0.080076	0.08388	0.072799
-0.0156	0.73674	0.03079	0.50685	0.032259	0.48678	0.000565	0.99029	0.085527
0.017616	0.70417	0.109788	0.01763	0.067555	0.14494	0.096344	0.03741	0.225478
-0.01041	0.82245	0.0272	0.55765	0.014337	0.75731	0.030049	0.51713	0.175382
0.041985	0.36532	-0.02387	0.60684	0.004074	0.93004	-0.02958	0.52376	0.033512
0.00041	0.99294	0.123889	0.00735	0.061394	0.18536	0.147017	0.00144	0.250819
0.049466	0.28608	0.063874	0.1682	0.061381	0.18545	0.04665	0.31443	0.124234
0.015234	0.74266	0.054476	0.24001	0.050753	0.27372	0.040718	0.37999	0.179316
0.060286	0.19343	0.000878	0.9849	-0.01124	0.80862	0.001587	0.97271	0.103655
-0.05164	0.26543	-0.09521	0.03972	-0.03079	0.50691	-0.13726	0.00295	-0.17761
-0.02496	0.5905	-0.04906	0.2901	-0.01512	0.74446	-0.06443	0.16452	-0.0132
0.042574	0.35863	0.108136	0.01942	0.064833	0.16188	0.095644	0.03882	0.232686
0.075596	0.10276	-0.03026	0.51414	-0.01399	0.76293	-0.02513	0.58808	0.037414
-0.0827	0.0742	-0.10493	0.02335	-0.09734	0.03547	-0.09644	0.03721	-0.10712
0.100781	0.02944	0.122096	0.00826	0.083927	0.06998	0.110386	0.01702	0.287316
0.006052	0.89622	0.017098	0.71247	0.014602	0.75297	-0.006	0.89705	0.181928
0.003575	0.93859	0.054253	0.24194	0.033724	0.46721	0.052946	0.25349	0.129294
0.10303	0.02598	0.146911	0.00145	0.117329	0.01117	0.117181	0.01127	0.239499
0.004412	0.92424	0.039621	0.39296	-0.00612	0.8951	0.059286	0.20094	0.039638
-0.00052	0.99111	0.016636	0.71992	0.038641	0.40478	0.006653	0.88599	0.002064
0.124791	0.00693	0.340459	3.88E-14	0.174034	0.00016	0.373779	6.23E-17	0.514467
0.028228	0.54285	-0.02691	0.56188	0.006257	0.89272	-0.03928	0.39703	-0.11849
0.041766	0.36783	-0.09076	0.04999	-0.02961	0.52324	-0.12785	0.00566	-0.13794
0.057554	0.21444	0.029357	0.52684	0.021691	0.64011	0.024395	0.59899	0.144958
-0.01491	0.74792	-0.04201	0.36504	-0.0246	0.59587	-0.05863	0.20594	-0.08904
0.253082	2.94E-08	0.340725	3.70E-14	0.319916	1.42E-12	0.250791	3.95E-08	0.198165
0.020614	0.65681	0.038938	0.40118	0.035139	0.44871	0.028154	0.54391	0.064101
-0.00035	0.99399	0.068573	0.13897	0.042877	0.35522	0.066594	0.15076	0.13378
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-0.07225	0.11895	-0.0116	0.80262	-0.06254	0.17725	0.029819	0.52035	0.08185
0.026529	0.56742	-0.01324	0.77543	0.003112	0.94652	-0.00686	0.88249	-0.01471
0.091964	0.04701	-0.13414	0.00368	-0.00953	0.83721	-0.19196	2.97E-05	-0.29144
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0.049894	0.28193	0.005185	0.91102	0.022847	0.62239	-0.00748	0.87199	0.010258
-0.08418	0.06913	-0.16359	0.00039	-0.12216	0.00822	-0.1481	0.00133	-0.35103
-0.01835	0.69244	-0.12023	0.0093	-0.07002	0.13079	-0.11773	0.01089	-0.35027
0.056311	0.22452	0.026574	0.56676	0.022784	0.62335	0.031287	0.50001	0.090151
0.002672	0.95408	-0.00783	0.86592	-0.0079	0.86477	-0.00964	0.83544	0.134209
0.073423	0.11306	0.244898	8.33E-08	0.12094	0.00889	0.263856	7.06E-09	0.443479
0.043528	0.34795	0.176197	0.00013	0.07487	0.10612	0.203807	9.03E-06	0.225916
0.010819	0.81562	0.090999	0.04938	0.04072	0.37995	0.104925	0.02335	0.227206
0.0904	0.0509	0.078168	0.09155	0.097695	0.03481	0.058626	0.20601	0.047725
-0.0515	0.26668	-0.23692	2.22E-07	-0.13149	0.00442	-0.26361	7.29E-09	-0.30213
0.01702	0.71374	0.017598	0.70446	0.026899	0.56202	0.00366	0.93713	0.095112
-0.02742	0.55445	0.076533	0.09856	0.036748	0.42821	0.070325	0.12913	0.128859

0.051555	0.2662	0.029494	0.5249	0.062768	0.1757	-0.01342	0.77237	0.002736
-0.08369	0.07077	-0.14813	0.00133	-0.09922	0.03205	-0.13817	0.00277	-0.24255
0.059816	0.19694	0.085846	0.0638	0.064745	0.16245	0.076418	0.09907	0.227642
-0.09709	0.03595	0.03636	0.4331	-0.02324	0.61635	0.0622	0.17964	0.102184
0.023739	0.60886	0.089791	0.05249	0.052338	0.25899	0.09704	0.03605	0.131741
0.000741	0.98726	-0.04023	0.38571	-0.02413	0.60302	-0.04467	0.33542	-0.06162
0.064277	0.16552	-0.01215	0.79339	-0.00272	0.95333	-0.00872	0.85087	0.020711
-0.02669	0.56503	-0.01	0.8294	-0.01702	0.71366	-0.00092	0.98424	0.076692
-0.04792	0.30143	-0.01451	0.75448	-0.02418	0.6022	-0.01697	0.71461	0.088217
0.049855	0.28231	0.006063	0.89604	-0.01783	0.70073	0.034484	0.45723	-0.04885
0.032777	0.47981	0.033772	0.46657	0.031584	0.49595	0.024798	0.59297	0.050316
0.075039	0.10533	0.187351	4.62E-05	0.121194	0.00875	0.190867	3.30E-05	0.285926
0.037886	0.41403	0.134663	0.00355	0.071911	0.12069	0.139336	0.00255	0.208731
0.086355	0.06223	0.06635	0.15227	0.042686	0.35737	0.051055	0.27086	0.059203
0.034812	0.45295	0.126208	0.00631	0.06256	0.17713	0.143524	0.00187	0.210855
0.012565	0.78653	-0.03649	0.43142	0.008085	0.86167	-0.06126	0.18631	-0.09514
0.041576	0.37002	0.010069	0.8282	0.020817	0.65364	0.004987	0.91441	0.03189
0.042299	0.36174	0.068405	0.13994	0.050603	0.27513	0.06059	0.19119	0.154247
0.029092	0.53057	0.010088	0.82788	-0.00287	0.95063	0.012282	0.79123	0.089236
0.227361	6.86E-07	0.183657	6.55E-05	0.193844	2.47E-05	0.121068	0.00882	0.086002
0.009243	0.84209	0.072111	0.11967	0.050396	0.27711	0.050797	0.2733	0.07548
0.109661	0.01776	0.103113	0.02586	0.079436	0.08639	0.094619	0.04097	0.256011
-0.02324	0.61643	0.034764	0.45358	0.016685	0.71912	0.024773	0.59334	0.080007
-0.02119	0.64784	0.026895	0.56207	-0.00947	0.83828	0.056261	0.22493	0.078413
0.056687	0.22144	0.083575	0.07117	0.094031	0.04225	0.041433	0.37167	0.159544
0.001699	0.9708	-0.03143	0.49807	0.022721	0.62431	-0.06957	0.1333	-0.0703
0.003751	0.93557	0.084658	0.06757	0.072292	0.11874	0.062018	0.18093	0.135702
0.095117	0.03991	0.02423	0.60147	0.024246	0.60123	0.018343	0.69257	0.060946
0.068453	0.13966	0.033429	0.47111	0.039915	0.38946	0.02431	0.60027	0.047617
-0.04437	0.33869	-0.08235	0.07544	-0.07117	0.12461	-0.068	0.14233	-0.10721
0.030137	0.5159	0.087581	0.0586	0.055551	0.23085	0.081148	0.07981	0.179698
-0.04804	0.30025	-0.03689	0.42636	-0.05656	0.22249	-0.00178	0.96947	-0.01953
0.09446	0.04131	-0.10815	0.0194	0.016232	0.72645	-0.16393	0.00037	-0.25939
0.104362	0.02411	-0.00473	0.91884	0.078466	0.09032	-0.06403	0.16717	-0.09158
-0.00742	0.87286	0.016629	0.72004	0.014848	0.74896	0.015643	0.736	0.061808
-0.0017	0.97085	-0.0609	0.18896	-0.06976	0.13223	-0.00167	0.97134	-0.08672
0.054446	0.24028	-0.00171	0.9706	0.038841	0.40235	-0.01937	0.67623	-0.06347
0.055074	0.23488	0.052461	0.25787	0.091379	0.04843	0.012259	0.79161	-0.00934
0.033789	0.46635	-0.03432	0.45933	-0.00068	0.98838	-0.03148	0.4974	-0.06952
0.011697	0.80096	0.099626	0.03136	0.039652	0.3926	0.116831	0.01152	0.220981
-0.07607	0.10061	-0.11532	0.01264	-0.06311	0.17336	-0.14734	0.00141	-0.16186
-0.02887	0.53371	-0.00474	0.91864	0.003718	0.93613	-0.02901	0.53176	0.000489
0.071143	0.12473	0.00229	0.96064	0.031436	0.49797	0.008015	0.86285	0.013086
0.057906	0.21164	0.138568	0.00269	0.078538	0.09002	0.139104	0.00259	0.230004
0.026126	0.57331	0.049557	0.2852	-0.00178	0.96945	0.060483	0.19198	0.035793

-0.04445	0.3378	-0.0004	0.99315	-0.01097	0.81313	0.002712	0.95338	0.093167
0.045046	0.33138	0.021942	0.63624	0.0211	0.64924	0.027458	0.55392	0.007302
0.038139	0.41092	0.068437	0.13976	0.038412	0.40758	0.078809	0.08891	0.110119
0.027764	0.54951	0.112297	0.01519	0.078999	0.08814	0.101075	0.02896	0.0909
0.021117	0.64898	0.004779	0.91796	0.006609	0.88672	-0.00112	0.9808	0.008423
0.031616	0.49551	0.033055	0.47609	0.044793	0.33411	0.011486	0.80448	0.078592
0.240078	1.51E-07	0.313162	4.38E-12	0.315022	3.22E-12	0.193538	2.54E-05	0.228655
-0.03098	0.50425	0.032701	0.48082	-0.01154	0.80363	0.046968	0.31115	0.121283
0.055503	0.23126	0.099502	0.03157	0.097754	0.0347	0.074076	0.10989	0.238348
0.002673	0.95406	-0.0492	0.28871	0.009973	0.82981	-0.07604	0.10074	-0.09959
0.098643	0.03307	0.121195	0.00875	0.102992	0.02604	0.100379	0.03009	0.191707
-0.00877	0.85004	0.03736	0.42055	0.006695	0.88526	0.04091	0.37774	0.104324
0.227496	6.75E-07	0.136212	0.00318	0.223685	1.05E-06	0.034709	0.45429	0.019253
0.01316	0.77668	0.029367	0.52669	0.027905	0.54749	0.023817	0.60768	0.149719
0.011872	0.79805	0.011745	0.80017	0.018672	0.68734	0.015814	0.73321	0.074875
0.009476	0.83817	-0.0108	0.81596	0.0095	0.83777	-0.01551	0.73808	0.010999
0.018589	0.68866	0.112667	0.01485	0.068394	0.14001	0.121002	0.00886	0.218128
0.146438	0.00151	0.211433	4.04E-06	0.169095	0.00024	0.181743	7.82E-05	0.356908
0.000718	0.98765	0.008135	0.86082	0.015334	0.74102	0.019463	0.67484	0.046191
-0.01604	0.72957	-0.05437	0.24095	-0.05174	0.26448	-0.05015	0.27946	0.008432
-0.04757	0.30496	0.035728	0.44115	0.014343	0.75722	0.034617	0.45549	0.137376
-0.035	0.45056	-0.09646	0.03719	-0.07562	0.10265	-0.08587	0.06371	-0.11369
-0.12614	0.00634	-0.19385	2.47E-05	-0.14951	0.00119	-0.17824	0.00011	-0.34894
0.052425	0.2582	0.042389	0.36072	0.063435	0.17114	0.004937	0.91527	0.065011
-0.00873	0.85075	0.053718	0.24662	0.010648	0.81849	0.070028	0.13076	0.080066
0.029656	0.52263	0.141884	0.00212	0.071325	0.12376	0.166113	0.00031	0.22089
0.05448	0.23998	0.021613	0.64131	0.025518	0.58227	0.005406	0.90725	0.035269
0.049414	0.28658	-0.11013	0.01728	-0.03976	0.39128	-0.12414	0.00724	-0.1562
0.020724	0.6551	-0.12036	0.00923	-0.06425	0.16568	-0.11018	0.01722	-0.16615
-0.04229	0.36184	-0.00347	0.94032	0.00301	0.94827	-0.0326	0.4822	-0.05999
0.005867	0.89937	0.013055	0.77842	0.011269	0.8081	0.004769	0.91813	0.047062
-0.04007	0.38757	0.007283	0.87527	-0.00608	0.89582	0.01937	0.67631	0.077255
-0.00655	0.88775	0.068433	0.13978	0.051924	0.26279	0.056526	0.22275	0.130653
-0.03706	0.42431	-0.02885	0.534	-0.01103	0.8121	-0.02137	0.64503	-0.00945
0.036063	0.43686	0.044134	0.34127	0.063299	0.17206	0.010844	0.8152	0.058485
0.01596	0.73085	0.013486	0.7713	0.022608	0.62604	0.002719	0.95327	0.0543
0.015797	0.73349	-0.01493	0.74758	-0.00127	0.97821	-0.02321	0.61694	0.009721
-0.05129	0.26868	-0.1032	0.02574	-0.03023	0.5146	-0.13347	0.00386	-0.16002
0.001897	0.96739	0.006488	0.88879	0.011609	0.80243	0.002848	0.95105	0.036535
-0.07058	0.12772	-0.00649	0.88868	-0.02356	0.61155	-0.00469	0.91944	0.006415
0.046929	0.31155	0.0569	0.2197	0.064362	0.16496	0.035392	0.44545	0.123252
0.336701	7.66E-14	0.468474	7.50E-27	0.368535	1.81E-16	0.411837	1.52E-20	0.425041
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0.071744	0.12157	0.2377	2.02E-07	0.104207	0.02432	0.306267	1.34E-11	0.288101
0.084796	0.06712	0.134067	0.0037	0.100925	0.0292	0.122941	0.00782	0.196498

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0.366517	2.70E-16	0.404465	8.29E-20	0.364172	4.31E-16	0.301379	2.92E-11	0.521282
0.092133	0.0466	0.013885	0.76474	0.054282	0.24169	-0.01468	0.75167	-0.05521
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0.009692	0.83453	0.004844	0.91685	0.013824	0.76573	-0.0065	0.88855	0.030356
0.340165	4.10E-14	0.188301	4.22E-05	0.251449	3.63E-08	0.086479	0.06186	0.132004
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0.25218	3.30E-08	0.221117	1.40E-06	0.238669	1.79E-07	0.1559	0.00072	0.134673
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0.004232	0.92733	0.062056	0.18066	0.04512	0.33059	0.061905	0.18172	0.162235
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0.158694	0.00058	0.157163	0.00065	0.175983	0.00013	0.092666	0.04534	0.064314
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-0.02677	0.56395	0.023308	0.61538	0.013985	0.7631	0.022257	0.63141	0.112705
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0.266274	5.08E-09	0.121979	0.00832	0.122476	0.00806	0.102481	0.02679	0.089722
0.002222	0.9618	-0.0382	0.41012	-0.01973	0.67069	-0.03019	0.51511	-0.03946
0.039709	0.39191	0.05628	0.22478	0.061443	0.18501	0.027331	0.55576	0.056267
0.020544	0.6579	0.084351	0.06858	0.034733	0.45397	0.098078	0.0341	0.199717
0.009595	0.83617	0.06317	0.17294	0.014021	0.7625	0.08145	0.07869	0.113795
0.006691	0.88533	0.106532	0.0213	0.062009	0.18099	0.095475	0.03917	0.289408
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0.019846	0.66882	0.002784	0.95215	0.017791	0.70138	-0.00647	0.88911	0.037317
0.14072	0.0023	0.131063	0.00455	0.129925	0.00492	0.099939	0.03082	0.153843
-0.02323	0.6165	-0.08564	0.06443	-0.04985	0.28236	-0.0901	0.05169	-0.20536
-0.07186	0.12095	0.031705	0.4943	-0.02484	0.59228	0.061774	0.18265	0.103085
0.020215	0.66304	-0.01698	0.71437	0.020914	0.65213	-0.03396	0.46414	-0.01207
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0.00359	0.93833	-0.00553	0.9052	0.005613	0.90371	-0.01233	0.79039	-0.01093
-0.03028	0.51398	0.075287	0.10418	0.020623	0.65666	0.101312	0.02859	0.186017
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0.085134	0.06604	0.031238	0.50069	0.042508	0.35937	0.017004	0.714	0.004445
0.012871	0.78146	0.016986	0.71428	0.018991	0.6823	0.008915	0.84763	0.036435
0.191148	3.21E-05	0.168701	0.00025	0.200281	1.30E-05	0.082494	0.07492	0.025441
0.268034	3.99E-09	0.111434	0.01599	0.146435	0.00151	0.056623	0.22196	0.058298
0.076029	0.1008	-0.0072	0.87671	0.047753	0.30311	-0.0436	0.34714	-0.00744
0.070942	0.1258	0.019493	0.67437	0.062332	0.17872	-0.0065	0.88863	0.028012
-0.03714	0.4233	0.005478	0.90602	-0.00014	0.99764	0.001212	0.97916	0.120943
0.026781	0.56374	0.105268	0.0229	0.043348	0.34995	0.12739	0.00584	0.169715
0.063334	0.17182	0.118852	0.01015	0.12453	0.00705	0.059226	0.2014	0.055459



0.010101	0.82766	0.111132	0.01628	0.041558	0.37022	0.136452	0.00313	0.182297
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0.115022	0.01287	0.221481	1.34E-06	0.110093	0.01731	0.247762	5.81E-08	0.39691
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0.123174	0.0077	0.082848	0.07367	0.10654	0.02129	0.047563	0.30505	0.152812
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0.002279	0.96082	0.023674	0.60984	0.027047	0.55988	0.017965	0.69859	0.13104
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0.011226	0.80882	0.010008	0.82922	0.039467	0.39481	-0.00872	0.85091	0.066737
0.047234	0.30841	0.04291	0.35484	0.042275	0.36201	0.037122	0.42351	0.038275
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0.019762	0.67014	0.041236	0.37395	0.064195	0.16606	0.026775	0.56383	-0.00765
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0.048636	0.29425	0.023613	0.61077	0.035509	0.44395	0.013305	0.77429	0.023893
0.139361	0.00254	0.077477	0.09446	0.131385	0.00446	0.039404	0.39556	-0.03321
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0.04536	0.32802	0.029859	0.51978	0.091764	0.04749	-0.03394	0.4644	0.026104
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0.134126	0.00369	0.117394	0.01112	0.12125	0.00872	0.07265	0.11692	0.174507
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0.038216	0.40998	-0.03982	0.39055	0.021391	0.64474	-0.07221	0.11916	-0.05522
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0.11929	0.00987	0.224631	9.38E-07	0.160781	0.00049	0.204937	8.03E-06	0.378561
0.048413	0.29648	0.099465	0.03163	0.087597	0.05855	0.082064	0.07645	0.124617
-0.01131	0.80733	0.059684	0.19793	-0.00349	0.94002	0.078168	0.09155	0.206685
0.011141	0.81024	0.027501	0.5533	0.023252	0.61623	0.028601	0.53754	0.106999
0.114031	0.01368	0.006486	0.88883	0.045246	0.32924	-0.00886	0.84863	0.064943
-0.07156	0.12251	-0.05681	0.22047	-0.03848	0.40673	-0.05809	0.21021	-0.10767
0.085876	0.0637	0.014762	0.75035	0.056704	0.2213	-0.01663	0.72003	0.015936
0.003622	0.93778	0.040504	0.38249	0.02847	0.5394	0.03078	0.50698	0.157321
0.085089	0.06618	0.01144	0.80524	0.037316	0.42109	-0.02703	0.56012	-0.01058
-0.06639	0.15203	-0.09514	0.03987	-0.06171	0.18311	-0.09343	0.0436	-0.10543
-0.07106	0.12516	-0.14412	0.00179	-0.10114	0.02887	-0.14328	0.00191	-0.32834
0.20963	4.90E-06	0.198793	1.51E-05	0.215585	2.58E-06	0.113589	0.01405	0.231272
-0.05272	0.25554	-0.0446	0.33616	-0.03839	0.40778	-0.03124	0.50064	-0.02026
-0.03143	0.498	-0.11386	0.01382	-0.06121	0.18671	-0.12756	0.00577	-0.16655

0.004483	0.92303	0.009633	0.83552	0.003121	0.94636	0.003558	0.93887	0.088683
0.063615	0.16993	-0.03111	0.50241	0.030806	0.50663	-0.06159	0.18398	-0.06251
0.077593	0.09397	0.160591	0.00049	0.109801	0.01761	0.166577	0.0003	0.175547
0.02392	0.60612	-0.05199	0.26215	-0.02336	0.61462	-0.04789	0.30171	-0.09184
0.123909	0.00734	0.08788	0.05774	0.099273	0.03196	0.05823	0.2091	0.028319
-0.02544	0.58347	0.009412	0.83925	0.006078	0.89577	0.005713	0.90201	0.034291
-0.10163	0.02809	-0.01569	0.73531	-0.05568	0.22974	0.002638	0.95465	0.071104
-0.04813	0.29927	0.007062	0.87902	-0.01192	0.79727	0.007801	0.86647	0.100149
-0.02024	0.66268	0.008847	0.84879	0.014696	0.75144	0.001499	0.97423	0.062183
0.04443	0.33804	0.076112	0.10043	0.07961	0.08571	0.036594	0.43014	0.156763
0.004828	0.91713	0.087357	0.05925	0.051675	0.26508	0.093205	0.0441	0.170686
-0.01855	0.68922	0.060748	0.19004	0.018454	0.69081	0.081857	0.0772	0.170424
0.011699	0.80092	0.097159	0.03582	0.024474	0.59782	0.133564	0.00383	0.136356
-0.05396	0.2445	-0.05334	0.24994	-0.03089	0.50547	-0.06409	0.16677	0.01574
-0.00159	0.97274	0.010449	0.82182	0.026669	0.56538	0.009585	0.83634	0.071098
0.001768	0.96961	0.019051	0.68134	0.025311	0.58534	0.020037	0.66583	0.048631
-0.04927	0.288	-0.05713	0.21782	-0.07426	0.109	-0.03628	0.43412	0.045479
-0.02627	0.57116	0.111334	0.01608	0.057094	0.21813	0.105357	0.02278	0.234537
-0.02741	0.5546	0.007414	0.87304	0.018961	0.68277	-0.00971	0.83429	0.08538
-0.02149	0.64327	-0.02409	0.60358	0.004348	0.92533	-0.03333	0.47246	-0.0253
0.035845	0.43964	0.025467	0.58303	0.054417	0.24052	-0.00255	0.95618	-0.06046
-0.19734	1.74E-05	-0.12721	0.00591	-0.13338	0.00388	-0.08381	0.07037	-0.20006
-0.00436	0.92519	-0.08727	0.05952	-0.02881	0.53463	-0.10412	0.02443	-0.19214
-0.0844	0.06841	-0.07156	0.12252	-0.09129	0.04864	-0.04833	0.29731	0.049668
0.021807	0.63832	0.016208	0.72684	0.018104	0.69639	0.010764	0.81653	0.042624
-0.04587	0.32259	-0.04499	0.33199	-0.04797	0.30089	-0.02717	0.55812	0.074357
0.040964	0.3771	0.095561	0.03899	0.035437	0.44487	0.10458	0.02381	0.195939
0.082557	0.07469	0.129678	0.00501	0.076156	0.10024	0.138429	0.00272	0.227715
-0.0647	0.16276	-0.03065	0.50879	-0.02601	0.57501	-0.03632	0.43364	0.046514
-0.03953	0.39409	-0.05057	0.27542	-0.04144	0.37159	-0.05328	0.25047	-0.01188
-0.02205	0.63452	0.064446	0.16441	0.02211	0.63366	0.070691	0.12714	0.210227
-0.15591	0.00072	-0.32184	1.03E-12	-0.21936	1.70E-06	-0.3201	1.38E-12	-0.48876
0.15101	0.00106	0.105639	0.02242	0.139167	0.00258	0.044688	0.33524	0.100568
0.013449	0.77191	0.024084	0.60366	0.031066	0.50305	0.017525	0.70564	0.071474
0.034565	0.45617	0.066466	0.15155	0.049334	0.28737	0.05347	0.24881	0.074472
0.024722	0.5941	-0.01854	0.6894	0.012515	0.78737	-0.03327	0.4732	-0.05299
0.079942	0.0844	0.025543	0.58191	0.043325	0.3502	-0.02145	0.64377	0.065804
0.006504	0.88851	0.07093	0.12586	0.018404	0.6916	0.088598	0.05571	0.176757
0.094431	0.04137	0.150469	0.00111	0.123632	0.00748	0.131561	0.0044	0.137019
-0.02551	0.5824	-0.04042	0.38349	-0.04271	0.35704	-0.0137	0.76784	-0.03971
0.014507	0.75452	0.061176	0.18693	0.029536	0.52431	0.053817	0.24575	0.164181
-0.01034	0.82366	-0.03411	0.46215	-0.00765	0.86902	-0.03934	0.39637	-0.03827
-0.02262	0.62583	0.060852	0.18928	0.026527	0.56744	0.055865	0.22822	0.222713
-0.03731	0.42119	0.048801	0.29261	0.02561	0.58092	0.050965	0.27172	0.238035
0.023207	0.61692	-0.01874	0.68632	0.018089	0.69662	-0.04718	0.30897	0.008205

-0.01544	0.73931	-0.05399	0.24421	-0.01883	0.68481	-0.05225	0.25982	-0.03797
0.062584	0.17697	0.179046	0.0001	0.087806	0.05795	0.201454	1.15E-05	0.304304
0.056006	0.22704	-0.04329	0.35062	0.049172	0.28896	-0.09518	0.03979	-0.04637
0.123792	0.0074	0.043778	0.34519	0.063648	0.16971	0.018991	0.68229	0.018282
0.033283	0.47305	0.041422	0.37179	0.042482	0.35967	0.021937	0.63632	0.086678
0.152619	0.00094	0.151525	0.00102	0.16775	0.00027	0.078031	0.09212	0.053044
0.067587	0.14475	0.141451	0.00218	0.122491	0.00805	0.112345	0.01514	0.353884
-0.0571	0.21809	-0.11118	0.01623	-0.09752	0.03514	-0.0971	0.03594	-0.19334
0.014322	0.75755	-0.00886	0.84855	0.015231	0.74271	-0.0162	0.72696	0.016303
-0.02607	0.57415	-0.02555	0.58179	-0.02067	0.65586	-0.02458	0.59618	-0.00269
-0.02656	0.56702	0.076806	0.09736	0.0102	0.82599	0.102913	0.02615	0.193211
0.00731	0.87482	0.059519	0.19918	0.018117	0.69617	0.068746	0.13797	0.103806
-0.00012	0.99801	-0.02257	0.62665	0.00215	0.96305	-0.03351	0.47003	-0.01391
-0.02623	0.57184	-0.02563	0.5806	-0.03099	0.50408	-0.00152	0.97389	0.006307
0.224036	1.00E-06	0.328031	3.54E-13	0.226906	7.23E-07	0.327495	3.89E-13	0.36062
0.147473	0.00139	0.076287	0.09965	0.09249	0.04575	0.047853	0.30211	0.108521
0.104396	0.02406	0.205471	7.60E-06	0.156509	0.00069	0.189	3.95E-05	0.269582
-0.0447	0.3351	0.013193	0.77614	-0.03675	0.42822	0.031287	0.50001	0.106131
-0.10494	0.02333	-0.0293	0.52761	-0.05192	0.26286	-0.00881	0.84946	0.019605
0.108629	0.01887	0.115531	0.01248	0.088207	0.05681	0.108871	0.0186	0.22753
0.072723	0.11655	0.035652	0.44212	0.056564	0.22244	0.001635	0.97189	-0.07778
-0.01536	0.74052	-0.02187	0.63739	-0.01966	0.6717	-0.01997	0.66694	0.004861
-0.0419	0.36625	0.057057	0.21843	0.002223	0.96179	0.084465	0.0682	0.111548
0.074937	0.10581	0.112486	0.01501	0.093226	0.04405	0.086184	0.06276	0.242508
0.060016	0.19544	0.122399	0.0081	0.102198	0.02722	0.088386	0.05631	0.129568
0.206223	7.02E-06	0.324024	7.07E-13	0.273911	1.76E-09	0.265768	5.44E-09	0.17803
0.126479	0.0062	0.087784	0.05801	0.058951	0.2035	0.095244	0.03965	0.219579
0.105982	0.02199	0.028233	0.54279	0.054467	0.24009	0.015108	0.7447	0.052157
0.036667	0.42922	0.127366	0.00585	0.069016	0.13643	0.132636	0.00409	0.242486
3.04E-05	0.99948	0.031841	0.49245	0.014893	0.74822	0.025425	0.58365	0.127058
-0.05679	0.22059	-0.12468	0.00698	-0.10483	0.02348	-0.10582	0.02219	-0.22606
0.021581	0.64181	0.108736	0.01875	0.099263	0.03198	0.080575	0.08196	0.165823
0.009034	0.84563	0.07995	0.08437	0.059806	0.19701	0.073954	0.11047	0.183723
0.021034	0.65028	0.067663	0.1443	0.041926	0.36599	0.072701	0.11666	0.170876
0.075156	0.10478	0.032746	0.48023	0.087952	0.05753	-0.01839	0.69183	-0.04594
-0.01982	0.66929	0.029643	0.52281	0.004877	0.91628	0.030987	0.50413	0.06812
0.04743	0.3064	-0.03809	0.41146	0.013626	0.769	-0.06539	0.15829	-0.07192
0.067597	0.14469	-0.02709	0.55918	0.020574	0.65744	-0.0535	0.24851	-0.05853
0.064138	0.16643	0.002724	0.95318	0.062629	0.17666	-0.0282	0.54321	-0.0746
-0.01787	0.70009	-0.07008	0.13048	0.004258	0.92687	-0.11248	0.01502	-0.16933
0.019933	0.66746	-0.00684	0.88287	0.02117	0.64816	-0.01699	0.71414	0.059687
-0.05759	0.21417	-0.06609	0.15388	-0.03598	0.43793	-0.0821	0.07631	-0.01809
-0.05344	0.24909	-0.02096	0.65145	-0.01322	0.77576	-0.03488	0.45212	0.057389
-0.11743	0.01109	-0.13956	0.00251	-0.11776	0.01087	-0.12802	0.0056	-0.07562
-0.0206	0.65696	-0.0632	0.17273	0.003387	0.94181	-0.08865	0.05558	-0.11534

0.091351	0.0485	0.179462	9.64E-05	0.103645	0.0251	0.176415	0.00013	0.332737
-0.03493	0.4514	0.046059	0.32061	0.010598	0.81933	0.050618	0.27499	0.192779
0.073776	0.11134	0.001362	0.97659	0.051625	0.26555	-0.0111	0.81092	-0.04561
-0.07606	0.10068	-0.09141	0.04836	-0.0521	0.2612	-0.09638	0.03733	-0.1102
0.026219	0.57195	0.00356	0.93885	0.018108	0.69632	-0.0028	0.9519	-0.01003
0.026885	0.56223	0.015605	0.73662	0.015327	0.74114	-0.0024	0.95876	0.150549
-0.01014	0.82709	-0.07582	0.10176	-0.00148	0.97456	-0.11026	0.01714	-0.22388
-0.14276	0.00198	-0.17503	0.00014	-0.14095	0.00227	-0.16724	0.00028	-0.29723
0.053774	0.24613	0.080838	0.08097	0.093609	0.04318	0.039159	0.39851	0.107392
-0.03192	0.49131	0.063819	0.16856	0.006946	0.88099	0.101526	0.02825	0.196411
0.026173	0.57263	0.112926	0.01462	0.061758	0.18276	0.127467	0.00581	0.16897
0.038089	0.41154	-0.11915	0.00996	-0.06344	0.17111	-0.11863	0.0103	-0.19996
0.021733	0.63946	0.105198	0.02299	0.053572	0.24791	0.118516	0.01037	0.213872
0.010626	0.81885	0.073741	0.11151	0.057042	0.21855	0.061176	0.18693	0.068915
-0.01322	0.77567	0.041287	0.37336	0.006467	0.88915	0.053609	0.24758	0.078226
0.106294	0.0216	0.174201	0.00015	0.14665	0.00148	0.151133	0.00105	0.13723
0.09193	0.04709	-0.01364	0.76873	0.004683	0.91961	-0.01135	0.80678	-0.02665
0.007439	0.87263	0.0898	0.05246	0.013745	0.76704	0.114593	0.01322	0.271412
0.150967	0.00107	0.108212	0.01933	0.138673	0.00267	0.074249	0.10906	0.036222
0.066104	0.1538	-0.0188	0.6854	0.010728	0.81714	-0.04725	0.30823	-0.15444
-0.09514	0.03987	-0.19115	3.21E-05	-0.12057	0.00911	-0.18463	5.97E-05	-0.2394
0.03326	0.47336	0.014598	0.75303	0.010591	0.81944	0.00257	0.95582	0.147291
0.053377	0.24964	0.060328	0.19313	0.077275	0.09533	0.045796	0.32339	0.097078
0.071832	0.12111	0.037575	0.41788	0.046034	0.32087	0.014919	0.74779	0.124398
-0.03201	0.49019	-0.01134	0.80688	-0.02022	0.66299	-0.00199	0.96581	-0.01046
0.05316	0.25158	0.012789	0.78282	0.042562	0.35876	0.002992	0.94858	-0.00958
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-0.04982	0.28266	0.046485	0.31616	-0.00781	0.8663	0.065921	0.15494	0.17973
0.058919	0.20375	0.12853	0.00541	0.062766	0.17571	0.141956	0.0021	0.18679
0.046061	0.32059	0.089943	0.05209	0.05076	0.27365	0.078188	0.09146	0.080119
0.048305	0.29755	0.020909	0.65221	0.038621	0.40503	0.006247	0.8929	0.006906
0.012006	0.79582	-0.07057	0.12778	-0.00844	0.85572	-0.09489	0.0404	-0.23465
0.048946	0.29118	0.079178	0.08742	0.050451	0.27658	0.090571	0.05046	0.185983
-0.00232	0.96015	0.05407	0.24354	0.015983	0.73048	0.072918	0.11557	0.095548
-0.00744	0.87254	-0.03423	0.46056	-0.02016	0.66385	-0.0243	0.60045	-0.07366
0.000238	0.9959	0.053442	0.24907	0.028916	0.53307	0.068107	0.14168	0.07927
0.021491	0.6432	0.003634	0.93758	0.010187	0.82622	0.006212	0.89349	0.055109
-0.02681	0.56332	0.035962	0.43816	0.012013	0.79569	0.026541	0.56725	0.118898
-0.00533	0.90849	0.030262	0.51416	0.013643	0.76872	0.030646	0.50885	0.120034
0.042615	0.35816	0.0431	0.35272	0.040087	0.38742	0.028384	0.54063	0.065991
0.367469	2.24E-16	0.253115	2.93E-08	0.355947	2.14E-15	0.06436	0.16497	0.131863
0.031691	0.49449	0.130043	0.00488	0.069723	0.13245	0.133961	0.00373	0.1305
-0.01553	0.73789	0.059733	0.19756	0.03672	0.42856	0.068643	0.13856	0.141606
-0.00745	0.87246	-0.03458	0.45594	-0.00788	0.86522	-0.04068	0.38039	-0.03527
0.009549	0.83694	0.035273	0.44699	0.025145	0.5878	0.037765	0.41552	0.024113

0.038774	0.40317	0.012745	0.78355	0.007865	0.8654	0.008916	0.84762	0.020224
0.131662	0.00437	0.172357	0.00018	0.172264	0.00018	0.129011	0.00524	0.234961
-0.01782	0.70084	0.105262	0.02291	0.032448	0.48423	0.141136	0.00223	0.135409
0.013763	0.76674	-0.03798	0.41285	-0.02768	0.55072	-0.02338	0.61429	-0.07524
0.022407	0.6291	0.12921	0.00517	0.059069	0.2026	0.152181	0.00097	0.200012
-0.02524	0.58634	-0.09014	0.05156	-0.03412	0.46198	-0.1088	0.01868	-0.14542
-0.0027	0.95368	0.055734	0.22931	0.021447	0.64388	0.055101	0.23465	0.161643
0.133466	0.00386	0.117821	0.01083	0.12607	0.00637	0.075739	0.10211	0.236939
-0.00504	0.91347	0.077005	0.09649	0.025255	0.58617	0.090914	0.04959	0.159856
0.064225	0.16586	-0.01223	0.79203	0.048126	0.29935	-0.0476	0.30462	-0.12285
0.033577	0.46914	0.058553	0.20658	0.066426	0.1518	0.05356	0.24802	0.059337
-0.0542	0.24244	-0.05879	0.20474	-0.01982	0.66928	-0.08436	0.06853	-0.04738
0.024079	0.60374	0.034037	0.46307	0.042988	0.35397	0.013807	0.76601	0.038706
0.039414	0.39544	0.192647	2.77E-05	0.077192	0.09568	0.226042	7.98E-07	0.296851
0.035313	0.44647	0.049854	0.28232	0.04914	0.28927	0.020207	0.66316	0.091544
0.062945	0.17448	0.004266	0.92675	0.034121	0.46197	-0.01896	0.68276	-0.01162
0.003647	0.93734	-0.01259	0.78612	0.002642	0.95459	-0.01779	0.70136	0.003407
0.031127	0.50221	0.092479	0.04578	0.055956	0.22746	0.102857	0.02624	0.072782
0.046778	0.31311	0.0593	0.20083	0.066497	0.15136	0.058363	0.20805	0.081053
0.031865	0.49212	0.042765	0.35648	0.020474	0.659	0.049503	0.28572	0.071908
-0.06139	0.18536	0.043896	0.34389	-0.0008	0.98621	0.054169	0.24267	0.183111
-0.01315	0.77691	-0.0691	0.13594	-0.02268	0.62493	-0.09612	0.03785	-0.12076
0.005999	0.89713	0.014979	0.74682	0.03107	0.503	-0.00524	0.91009	-0.01933
0.021928	0.63646	0.084078	0.06948	0.056924	0.21951	0.068669	0.13841	0.205229
0.006881	0.88211	0.043892	0.34393	0.021217	0.64744	0.045439	0.32717	0.146939
-0.03053	0.51042	0.050242	0.27858	0.012554	0.78671	0.078187	0.09147	0.133448
0.016519	0.72181	0.064524	0.1639	0.048661	0.29401	0.053483	0.2487	0.200549
-0.0292	0.52907	0.006629	0.88639	-0.00756	0.87058	0.003667	0.937	0.115039
0.036397	0.43263	0.016703	0.71884	0.013477	0.77146	0.019198	0.67902	0.051469
-0.08636	0.06221	-0.15049	0.00111	-0.05648	0.22315	-0.19004	3.57E-05	-0.21772
0.007164	0.8773	0.04766	0.30406	0.035858	0.43948	0.038823	0.40257	0.081244
0.053116	0.25197	0.057322	0.21629	0.059321	0.20067	0.03185	0.49233	0.045812
0.033315	0.47263	0.070371	0.12888	0.060106	0.19477	0.049688	0.28392	0.038703
0.028344	0.5412	0.055067	0.23495	0.036028	0.43731	0.027617	0.55163	0.101536
-0.00335	0.94244	0.057429	0.21544	0.031902	0.49162	0.05572	0.22943	0.168311
-0.07899	0.08818	-0.02615	0.57301	-0.01797	0.6985	-0.03312	0.47518	0.058003
0.042538	0.35904	-0.10004	0.03065	-0.01538	0.74033	-0.12248	0.00805	-0.23633
-0.06459	0.16348	-0.09294	0.0447	-0.09087	0.04969	-0.07533	0.10399	-0.05668
0.028832	0.53426	-0.00813	0.86095	0.002266	0.96104	-0.00581	0.90034	0.051002
0.018297	0.6933	0.049158	0.2891	0.043906	0.34378	0.031183	0.50144	0.158962
0.043901	0.34383	0.100607	0.02972	0.066509	0.15128	0.089778	0.05252	0.188089
0.140681	0.00231	0.153922	0.00085	0.156554	0.00069	0.119678	0.00964	0.135926
0.01879	0.68547	-0.04612	0.31999	-0.01926	0.67811	-0.06184	0.18219	-0.02544
0.046749	0.31341	0.029452	0.52549	0.010348	0.82351	0.022197	0.63233	0.102918
0.00553	0.90513	0.013475	0.77149	0.007747	0.8674	0.015951	0.731	0.039825

-0.01217	0.79304	-0.02389	0.60654	-0.00433	0.92571	-0.04312	0.35248	-0.00663
-0.01223	0.79216	-0.01348	0.77138	0.012871	0.78147	-0.03859	0.40537	0.048128
0.002441	0.95805	0.01411	0.76103	0.018122	0.69609	-0.00384	0.93398	0.117883
0.270217	2.95E-09	0.095469	0.03918	0.108945	0.01852	0.072328	0.11855	0.056263
-0.03617	0.43553	-0.03143	0.49806	-0.04882	0.29245	-0.00285	0.95094	0.016937
-0.01404	0.76223	-0.0223	0.63072	0.012906	0.78089	-0.04582	0.32308	-0.0048
0.036003	0.43763	0.027707	0.55033	0.034312	0.45947	0.004055	0.93036	0.139267
-0.00176	0.96968	0.122053	0.00828	0.038864	0.40207	0.141671	0.00215	0.262291
-0.0058	0.90044	0.078806	0.08893	0.009431	0.83892	0.110243	0.01716	0.201432
0.029532	0.52437	-0.04847	0.29588	-0.00331	0.94315	-0.08077	0.08121	-0.04635
0.116858	0.0115	0.153242	0.00089	0.166259	0.00031	0.083649	0.07092	0.193336
0.026109	0.57357	0.050936	0.27198	0.033616	0.46864	0.043475	0.34854	0.073935
-0.05406	0.24362	-0.06161	0.18384	-0.05106	0.27087	-0.06361	0.16996	-0.14742
0.009735	0.83381	0.056726	0.22112	0.031664	0.49485	0.055314	0.23285	0.262136
0.026859	0.5626	0.11883	0.01017	0.052402	0.25841	0.133717	0.00379	0.262024
-0.03345	0.47089	0.019289	0.67758	0.015067	0.74538	0.007258	0.87569	0.155543
0.076019	0.10085	0.127218	0.0059	0.116029	0.0121	0.092497	0.04574	0.08415
0.083596	0.0711	0.13839	0.00273	0.09943	0.03169	0.123219	0.00768	0.349096
-0.07358	0.11227	0.014629	0.75252	-0.00735	0.87416	0.016797	0.71732	0.121131
0.066298	0.15259	-0.03052	0.51065	0.039495	0.39447	-0.05592	0.22772	-0.09058
0.036573	0.43041	0.029765	0.5211	0.037163	0.42301	0.02698	0.56085	0.009586
-0.00532	0.9088	-0.03893	0.40122	-0.01706	0.71316	-0.03663	0.42964	-0.02278
-0.03841	0.40765	0.021059	0.64988	-0.00767	0.86877	0.019048	0.6814	0.10291
-0.03142	0.49813	-0.01241	0.78913	-0.00913	0.84399	-0.009	0.84625	0.079245
-0.01284	0.782	0.08239	0.07529	0.030998	0.50398	0.100326	0.03018	0.1976
0.036831	0.42716	0.056246	0.22506	0.016049	0.7294	0.075961	0.10111	0.046003
0.040401	0.3837	-0.00941	0.83923	-0.03105	0.50322	0.006842	0.88277	0.062569
-0.00089	0.98469	0.045355	0.32807	0.004924	0.91548	0.071459	0.12306	0.118041
0.10147	0.02834	0.07766	0.09368	0.075153	0.1048	0.07239	0.11824	0.214513
-0.01184	0.79859	0.019394	0.67593	0.000762	0.9869	0.030253	0.5143	0.158257
-0.03549	0.44421	-0.12176	0.00844	-0.06206	0.18064	-0.12903	0.00523	-0.22351
0.035336	0.44617	0.057789	0.21257	0.042011	0.36502	0.050877	0.27254	0.056409
-0.03848	0.4067	-0.06015	0.19444	-0.05838	0.20794	-0.03493	0.45144	-0.08089
0.053864	0.24534	0.022577	0.62651	0.018708	0.68677	0.013461	0.77171	-0.0417
-0.11752	0.01104	-0.22127	1.37E-06	-0.14551	0.00162	-0.20961	4.92E-06	-0.39967
0.143379	0.0019	0.12269	0.00795	0.117064	0.01135	0.097357	0.03544	0.248921
0.017257	0.70993	0.0224	0.62922	0.019912	0.66779	0.020254	0.66243	0.046048
0.006806	0.88337	-0.06043	0.19238	-0.02511	0.58837	-0.05671	0.22127	-0.07692
-0.01602	0.72992	0.020145	0.66413	0.006302	0.89196	-0.00248	0.95744	0.128142
-0.01315	0.77678	0.035412	0.4452	0.01622	0.72664	0.04072	0.37996	0.044134
0.207625	6.06E-06	0.323541	7.68E-13	0.214559	2.89E-06	0.352693	3.99E-15	0.288739
0.254479	2.45E-08	0.397242	4.20E-19	0.303717	2.02E-11	0.337489	6.65E-14	0.438056
0.401035	1.80E-19	0.30676	1.24E-11	0.263629	7.28E-09	0.294978	7.89E-11	0.266251
-0.02996	0.51837	-0.00263	0.95483	-0.00848	0.85495	0.001979	0.96598	-0.00545
-0.03914	0.3987	-0.08336	0.07189	-0.05689	0.21977	-0.07428	0.10892	-0.16127

-0.01602	0.72983	0.011068	0.81146	0.0151	0.74483	-0.00093	0.98395	0.157371
-0.03911	0.39909	0.00727	0.87549	-0.00538	0.90769	0.009888	0.83124	0.141035
0.019352	0.6766	0.022655	0.62532	0.027537	0.55279	0.022153	0.63301	0.050768
0.010521	0.82061	0.023667	0.60994	0.019718	0.67083	0.018976	0.68254	0.051067
0.012939	0.78033	-0.03384	0.46574	0.028793	0.53481	-0.07237	0.11836	-0.12353
0.016685	0.71913	0.14524	0.00165	0.060455	0.19218	0.170214	0.00022	0.216374
0.030568	0.50992	-0.12424	0.00719	-0.05174	0.26444	-0.12524	0.00673	-0.28743
-0.00724	0.876	0.058973	0.20333	0.02625	0.5715	0.080481	0.08232	0.154399
-0.0311	0.50254	-0.04837	0.29693	-0.03513	0.44885	-0.0338	0.46625	-0.07877
-0.03004	0.51726	-0.01812	0.6961	0.010227	0.82555	-0.03578	0.44046	0.012207
0.02759	0.55202	0.007556	0.87064	0.017021	0.71372	0.002451	0.95788	0.049864
0.060755	0.18999	0.072731	0.11651	0.064991	0.16086	0.043168	0.35196	0.132956
-0.01056	0.81998	0.111537	0.01589	0.046097	0.32022	0.11817	0.01059	0.249535
0.087493	0.05885	0.070475	0.12831	0.074692	0.10695	0.039735	0.3916	0.042312
0.024566	0.59644	0.022804	0.62304	0.053843	0.24553	-0.02064	0.65644	-0.05968
0.089701	0.05273	0.053865	0.24533	0.080827	0.08101	0.03715	0.42317	0.05567
0.462273	4.21E-26	0.347933	9.79E-15	0.418991	2.81E-21	0.179798	9.35E-05	0.172261
0.030726	0.50774	0.079247	0.08715	0.047178	0.30899	0.086239	0.06259	0.069542
0.087571	0.05863	0.064801	0.16209	0.076077	0.10059	0.041763	0.36786	0.093558
-0.02388	0.60669	0.042311	0.3616	0.031049	0.50328	0.035267	0.44706	0.143066
-0.13697	0.00302	-0.09013	0.0516	-0.10137	0.0285	-0.07755	0.09417	-0.16372
-0.03131	0.49976	-0.0725	0.11766	-0.02608	0.57395	-0.09968	0.03126	-0.1644
0.027303	0.55617	0.029846	0.51997	0.038616	0.40509	0.006612	0.88669	0.070814
0.028363	0.54092	0.09066	0.05023	0.049704	0.28377	0.111265	0.01615	0.130005
0.116403	0.01183	0.071265	0.12408	0.096402	0.03729	0.020198	0.66331	0.080192
0.103098	0.02588	0.010837	0.81532	0.024044	0.60426	0.000115	0.99802	0.0388
-0.07554	0.10303	-0.03794	0.41339	-0.02533	0.58511	-0.03768	0.41654	-0.00413
-0.00562	0.90358	0.095599	0.03891	0.065484	0.1577	0.081765	0.07753	0.191479
0.056705	0.22129	0.00851	0.85448	0.050197	0.27901	-0.02386	0.60697	-0.02277
0.011955	0.79667	0.012449	0.78845	0.028591	0.53768	0.004214	0.92763	-0.07972
-0.05556	0.23075	-0.15696	0.00066	-0.0879	0.05768	-0.14623	0.00153	-0.26745
-0.04568	0.3246	-0.13603	0.00323	-0.08484	0.06697	-0.13288	0.00402	-0.24383
0.006878	0.88215	-0.01141	0.80579	-0.01414	0.76049	0.007184	0.87695	-0.00698
0.053085	0.25225	0.038303	0.40891	0.050781	0.27345	0.022082	0.6341	0.053716
0.342197	2.83E-14	0.329395	2.79E-13	0.382685	9.79E-18	0.152983	0.00091	0.452513
-0.05103	0.27112	-0.05967	0.19806	-0.05637	0.22405	-0.0438	0.34494	0.006771
0.00786	0.86548	-0.0075	0.87162	-0.00138	0.97621	-0.01017	0.8265	0.065096
0.045	0.33187	0.125956	0.00642	0.073662	0.11189	0.133905	0.00374	0.25522
-0.00993	0.83047	0.022468	0.62817	-0.04344	0.34895	0.073238	0.11398	0.125052
-0.02299	0.62023	-0.03146	0.4976	-0.0048	0.91755	-0.03705	0.42439	0.015038
-0.06814	0.14147	-0.0052	0.91071	-0.02384	0.60732	0.002444	0.958	0.073032
0.172212	0.00018	0.19117	3.20E-05	0.169284	0.00024	0.144189	0.00178	0.296422
0.092813	0.045	0.061386	0.18542	0.047203	0.30873	0.058992	0.20319	0.155361
0.045533	0.32618	0.079333	0.08681	0.055668	0.22987	0.082868	0.0736	0.124826
0.093799	0.04276	0.137205	0.00297	0.090416	0.05086	0.133639	0.00381	0.304178

0.020759	0.65455	0.035265	0.44709	0.01091	0.8141	0.055328	0.23273	0.121127
0.094772	0.04064	0.108385	0.01914	0.078786	0.089	0.101546	0.02822	0.311598
0.023663	0.61	0.081722	0.07769	0.054986	0.23563	0.075213	0.10452	0.224244
-0.04435	0.3389	0.026537	0.5673	-0.00382	0.93445	0.040731	0.37983	0.143336
0.042652	0.35775	-0.03791	0.41373	-0.02316	0.61768	-0.03285	0.47882	-0.16964
-0.0338	0.46617	-0.03126	0.50039	-0.00382	0.93435	-0.04502	0.33163	-0.00757
0.03512	0.44896	0.068522	0.13926	0.056083	0.22641	0.055151	0.23423	0.193855
0.158871	0.00057	0.352939	3.81E-15	0.221591	1.32E-06	0.350879	5.63E-15	0.420764
0.052662	0.25605	0.031134	0.50211	0.036859	0.4268	0.025504	0.58249	0.048511
-0.04773	0.30338	-0.01043	0.82216	-0.00875	0.85044	-0.0039	0.9331	0.010619
0.197909	1.65E-05	0.222412	1.21E-06	0.252792	3.05E-08	0.129377	0.00511	0.281965
-0.08529	0.06555	-0.04891	0.29153	-0.05466	0.23842	-0.03902	0.40015	0.010338
-0.09843	0.03346	-0.16434	0.00036	-0.13591	0.00325	-0.15721	0.00065	-0.21045
0.012363	0.78989	0.023424	0.61363	0.021493	0.64316	0.018697	0.68696	0.147751
-0.02575	0.5789	-0.15271	0.00093	-0.07372	0.11161	-0.16513	0.00034	-0.33054
0.067064	0.14789	0.054778	0.23741	0.05683	0.22027	0.038533	0.4061	0.075616
0.000154	0.99735	-0.00537	0.90794	0.008646	0.85218	-0.01459	0.75323	0.015606
0.021799	0.63844	0.032323	0.48591	0.087786	0.05801	-0.04644	0.3166	0.092447
0.036333	0.43343	0.128871	0.00529	0.083396	0.07178	0.126875	0.00604	0.331957
0.057049	0.21849	0.062374	0.17843	0.044252	0.33998	0.072939	0.11547	0.150346
-0.05602	0.22692	-0.12879	0.00531	-0.05778	0.21268	-0.1519	0.00099	-0.25158
-0.05095	0.27187	-0.06215	0.17999	-0.06636	0.15219	-0.0441	0.34165	0.006691
0.071075	0.12509	0.052026	0.26185	0.068722	0.13811	0.025795	0.57819	0.047519
-0.08733	0.05933	-0.04211	0.36388	-0.02921	0.52892	-0.05113	0.2702	-0.0097
-0.03911	0.39906	-0.04195	0.36567	-0.0173	0.70921	-0.05103	0.2711	-0.00409
0.218427	1.89E-06	0.074185	0.10937	0.124311	0.00715	0.040139	0.3868	0.022839
0.157675	0.00063	0.128555	0.0054	0.161632	0.00045	0.059347	0.20048	0.083652
0.025496	0.58261	-0.00081	0.98614	0.009169	0.84334	-0.00326	0.94392	-0.00847
-0.04155	0.37036	-0.13292	0.00401	-0.0757	0.10227	-0.13036	0.00478	-0.15493
0.002592	0.95545	0.041601	0.36973	0.068436	0.13976	-0.00648	0.88885	0.062073
-0.01618	0.72734	-0.03859	0.40544	0.01103	0.81209	-0.07692	0.09685	-0.18706
0.05694	0.21938	0.180157	9.04E-05	0.111041	0.01637	0.172876	0.00017	0.361744
0.081566	0.07826	0.071112	0.12489	0.090298	0.05116	0.033191	0.47427	0.04522
0.00185	0.9682	-0.0242	0.60195	0.019217	0.67872	-0.05479	0.2373	-0.02431
-0.05186	0.26337	-0.05345	0.249	-0.05362	0.24752	-0.04674	0.31345	-0.11353
0.022046	0.63464	-0.09006	0.05179	-0.0198	0.66961	-0.11877	0.0102	-0.09756
-0.03119	0.50134	0.043049	0.35328	-0.01685	0.71648	0.067561	0.14491	0.042711
-0.00974	0.83381	-0.00229	0.96056	0.002294	0.96057	-0.0074	0.87331	0.074529
0.103292	0.02561	0.044132	0.3413	0.086615	0.06145	0.013231	0.77551	0.022793
-0.07629	0.09964	-0.03285	0.47878	-0.04463	0.33591	-0.02353	0.61197	-0.0593
-0.03942	0.39541	0.034063	0.46274	0.029462	0.52536	0.029324	0.52731	0.088085
0.043603	0.34712	-0.01989	0.66816	0.031275	0.50018	-0.06029	0.1934	-0.0352
0.021165	0.64824	0.036439	0.4321	0.080517	0.08219	-0.01535	0.74083	0.017908
-0.04629	0.31823	-0.02264	0.62551	0.004693	0.91944	-0.026	0.5752	0.054749
-0.06303	0.17393	-0.05479	0.2373	-0.02239	0.62944	-0.05321	0.25116	-0.02923



0.002531	0.95649	0.055714	0.22948	0.01973	0.67064	0.085248	0.06567	0.080449
0.049047	0.29018	0.187242	4.67E-05	0.124525	0.00705	0.177995	0.00011	0.169023
0.046554	0.31544	0.02639	0.56944	0.024732	0.59395	0.01473	0.75087	0.110812
0.078494	0.0902	0.034121	0.46197	0.09312	0.04429	-0.01497	0.74693	0.004636
0.099081	0.0323	-0.01518	0.74358	0.029112	0.53029	-0.03786	0.41436	-0.09988
0.062054	0.18067	-0.01262	0.78561	0.004796	0.91768	-0.04422	0.34037	-0.07083
0.096578	0.03695	0.163508	0.00039	0.08808	0.05717	0.204814	8.14E-06	0.215865
-0.0776	0.09396	0.004726	0.91887	-0.03295	0.4775	0.026503	0.5678	0.062019
0.012493	0.78772	0.049829	0.28255	0.047777	0.30287	0.031825	0.49267	0.054964
0.032074	0.48929	0.033542	0.46961	0.022222	0.63194	0.037097	0.42383	0.043835
-0.00891	0.84767	-0.0297	0.52204	0.013032	0.7788	-0.04733	0.30747	-0.05594
0.027046	0.55989	-0.00411	0.92935	0.040952	0.37725	-0.03135	0.49921	-0.03191
-0.02858	0.53788	-0.01352	0.77082	-0.01467	0.75183	-0.02436	0.59957	0.03331
-0.01807	0.69688	-0.02182	0.63816	-0.01629	0.72543	-0.00496	0.91486	-0.02642
-0.02547	0.58296	-0.05859	0.20628	-0.0211	0.64931	-0.05628	0.22478	-0.08315
-0.00812	0.8611	-0.00269	0.95376	-0.00639	0.89053	0.003019	0.94812	0.008465
-0.02664	0.56583	0.041491	0.371	0.011177	0.80963	0.060684	0.19051	0.044923
0.034626	0.45537	0.100133	0.0305	0.065666	0.15654	0.114437	0.01334	0.053273
0.035266	0.44708	0.118587	0.01032	0.058301	0.20854	0.141841	0.00212	0.134138
-0.00018	0.99683	0.083237	0.07232	0.027416	0.55453	0.094522	0.04118	0.234782
-0.11409	0.01363	-0.07915	0.08752	-0.05932	0.20072	-0.07966	0.08552	-0.10747
0.003009	0.94829	-0.04114	0.37505	0.02214	0.6332	-0.08623	0.06261	-0.1332
-0.03507	0.44954	-0.0697	0.1326	-0.05254	0.25715	-0.0615	0.18461	-0.19805
0.12082	0.00896	0.152254	0.00096	0.151481	0.00102	0.107343	0.02033	0.254187
0.071954	0.12047	0.020952	0.65154	0.046534	0.31564	0.005951	0.89794	0.109822
0.001918	0.96702	0.045515	0.32637	0.018764	0.68589	0.044874	0.33323	0.021655
0.016548	0.72134	-0.02753	0.55291	0.039095	0.39928	-0.06885	0.13739	-0.07971
0.077321	0.09513	0.055077	0.23486	0.084151	0.06924	0.010712	0.81742	0.08521
0.031787	0.49318	0.146483	0.0015	0.079775	0.08505	0.165096	0.00034	0.259399
-0.01575	0.73429	-0.18392	6.39E-05	-0.10811	0.01945	-0.19939	1.42E-05	-0.33663
0.055365	0.23242	-0.03579	0.44033	-0.00962	0.83569	-0.04287	0.35531	-0.05468
0.078611	0.08972	0.062226	0.17946	0.062408	0.17819	0.054687	0.23819	0.152885
0.096005	0.03809	-0.00409	0.92971	0.02012	0.66452	-0.02411	0.60322	-0.07843
0.111711	0.01573	0.027707	0.55034	0.06443	0.16451	0.005668	0.90278	0.026847
0.004054	0.93037	0.008747	0.85047	0.003722	0.93607	0.011469	0.80476	0.047293
0.080253	0.0832	0.075164	0.10475	0.119744	0.0096	0.013178	0.7764	-0.01502
0.025144	0.58782	0.237845	1.98E-07	0.07328	0.11377	0.318434	1.82E-12	0.196015
-0.0327	0.48085	-0.00974	0.83366	-0.03351	0.47006	0.021839	0.63783	0.127891
0.027642	0.55126	0.02517	0.58743	0.029099	0.53048	0.015278	0.74193	0.059695
0.051875	0.26323	0.041166	0.37475	0.059981	0.1957	0.027091	0.55923	0.075358
-0.0657	0.15636	-0.03368	0.46777	-0.03993	0.38931	-0.04225	0.36226	0.107028
0.017275	0.70964	0.017162	0.71144	0.021021	0.65047	0.015144	0.74412	0.116417
0.040172	0.3864	0.054001	0.24415	0.0577	0.21328	0.032634	0.48173	0.048125
-0.08825	0.05668	-0.0643	0.16535	-0.066	0.15446	-0.04366	0.34648	-0.06022
0.008948	0.84707	0.006566	0.88747	0.011743	0.8002	0.009888	0.83124	-0.0028

0.109718	0.0177	0.022167	0.63279	0.04362	0.34693	0.010084	0.82795	0.078998
-0.01648	0.72237	0.031111	0.50243	0.011032	0.81205	0.036531	0.43093	0.120059
-0.00799	0.86321	0.082784	0.0739	0.029463	0.52534	0.081852	0.07722	0.101531
0.196648	1.87E-05	0.135168	0.00343	0.185968	5.27E-05	0.047453	0.30617	0.143155
-0.03426	0.4601	-0.0112	0.80927	-0.02017	0.66377	0.011138	0.81029	0.006036
-0.03611	0.43628	-0.01331	0.7742	-0.01848	0.6904	-0.00604	0.89641	0.032374
0.056078	0.22645	0.003042	0.94773	0.041952	0.3657	-0.02858	0.53783	-0.03846
0.015445	0.73921	0.110816	0.01659	0.040904	0.37781	0.126292	0.00628	0.218467
-0.04771	0.30357	-0.02577	0.57857	-0.00662	0.88648	-0.03751	0.41865	0.011978
0.049021	0.29044	0.02548	0.58284	0.030893	0.50543	0.027382	0.55502	0.03082
-0.01156	0.80316	0.006411	0.8901	0.021734	0.63945	-0.01023	0.82548	0.042389
0.005569	0.90446	0.030936	0.50483	0.029593	0.52351	0.027867	0.54803	0.093231
-0.01807	0.6969	0.090904	0.04962	0.028939	0.53273	0.107649	0.01997	0.169595
0.008447	0.85554	0.005893	0.89894	0.010912	0.81406	0.005247	0.90996	0.006656
0.02982	0.52033	0.018242	0.69418	0.037707	0.41625	0.002672	0.95407	0.019414
0.0045	0.92274	-0.03822	0.40995	-0.02708	0.55936	-0.03176	0.49348	-0.00873
0.046172	0.31943	0.110955	0.01645	0.06812	0.1416	0.110682	0.01672	0.284055
0.247035	6.37E-08	0.25816	1.51E-08	0.406215	5.56E-20	-0.00026	0.99556	0.075032
0.269598	3.21E-09	0.414392	8.36E-21	0.369105	1.61E-16	0.325528	5.46E-13	0.431227
0.202816	1.00E-05	0.197256	1.76E-05	0.217399	2.11E-06	0.121845	0.00839	0.089113
0.102753	0.02639	0.095284	0.03956	0.094383	0.04148	0.098479	0.03337	0.071686
0.112359	0.01513	0.304895	1.67E-11	0.181566	7.95E-05	0.310866	6.38E-12	0.450286
0.070668	0.12727	0.03639	0.43272	0.082874	0.07358	-0.01033	0.82383	0.088871
0.029555	0.52405	0.039656	0.39254	0.03279	0.47963	0.043446	0.34886	0.049425
0.010801	0.81593	0.063436	0.17114	0.009789	0.8329	0.088516	0.05594	0.243654
0.019858	0.66863	0.040426	0.38341	0.056311	0.22452	0.006147	0.8946	0.082996
-0.04517	0.33008	-0.01618	0.72723	-0.01825	0.69412	-0.0002	0.99659	-0.00657
0.079565	0.08588	0.041052	0.37608	0.01893	0.68326	0.064925	0.16129	0.016277
-0.04966	0.28416	0.02193	0.63643	-0.0006	0.98966	0.035688	0.44165	0.008517
0.021967	0.63586	0.016163	0.72757	0.030051	0.5171	0.014555	0.75375	-0.00403
-0.00404	0.93054	0.014636	0.75241	0.006122	0.89504	0.02438	0.59922	0.029398
0.009738	0.83376	-0.01087	0.81472	0.0088	0.84957	-0.02444	0.59831	-0.01417
0.059451	0.19969	0.012608	0.78581	0.025962	0.57573	-7.27E-05	0.99875	-0.00227
-0.01339	0.77284	0.011898	0.79761	-0.00023	0.99608	0.01385	0.76532	0.133492
0.047029	0.31052	0.085196	0.06584	0.039556	0.39373	0.090959	0.04948	0.202297
0.022524	0.62732	-0.01511	0.74464	0.019544	0.67357	-0.01938	0.6761	0.040261
-0.03711	0.42369	-0.08282	0.07376	-0.03612	0.43612	-0.09759	0.035	-0.13133
0.043945	0.34334	0.110929	0.01648	0.055432	0.23185	0.126016	0.0064	0.219661
0.010319	0.82399	0.044577	0.33644	0.038906	0.40157	0.026783	0.56372	0.190744
0.039449	0.39502	0.033614	0.46866	0.043194	0.35167	0.016911	0.71549	0.10135
-0.02812	0.54442	0.017183	0.71111	0.009324	0.84073	0.019021	0.68182	0.067147
0.050092	0.28002	0.090073	0.05175	0.080099	0.08379	0.067318	0.14636	0.18986
0.011298	0.80762	-0.00814	0.86071	0.009634	0.8355	-0.02405	0.60422	0.059525
0.023277	0.61585	0.031612	0.49557	0.077476	0.09447	-0.02042	0.65981	0.052478
0.00766	0.86887	-0.03973	0.39166	-0.03417	0.4613	-0.01991	0.66781	-0.02325

0.032345	0.48562	0.053854	0.24543	0.041028	0.37636	0.046489	0.31611	0.125861
0.404228	8.75E-20	0.263735	7.17E-09	0.330807	2.18E-13	0.141079	0.00224	0.120005
0.012115	0.794	-0.03392	0.46467	0.011429	0.80544	-0.06397	0.16755	-0.08615
-0.10025	0.03031	-0.06377	0.16891	-0.07445	0.10809	-0.04914	0.28931	0.025379
-0.00141	0.97583	0.091485	0.04817	0.043432	0.34902	0.094154	0.04198	0.272919
-0.00684	0.88286	0.050647	0.27472	0.018484	0.69033	0.053135	0.2518	0.156274
0.050165	0.27932	0.138823	0.00264	0.065257	0.15915	0.161469	0.00046	0.301379
-0.02023	0.66279	0.069271	0.13498	0.014141	0.76053	0.071601	0.12231	0.169889
-0.00472	0.91891	-0.02209	0.63402	-0.03507	0.44961	0.00259	0.95548	0.031568
0.436567	3.74E-23	0.199655	1.38E-05	0.278297	9.40E-10	0.083212	0.07241	0.082133
0.02673	0.56449	0.026761	0.56403	0.025412	0.58385	0.014504	0.75457	0.018192
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0.050155	0.27942	0.086919	0.06054	0.107134	0.02058	0.026455	0.5685	0.070244
0.000322	0.99446	-0.03479	0.45322	-0.01311	0.77754	-0.0437	0.34608	-0.10725
0.060929	0.18872	0.047243	0.30831	0.062179	0.17979	0.023376	0.61435	0.233492
0.097176	0.03579	0.17195	0.00019	0.108502	0.01901	0.166741	0.0003	0.177835
0.003501	0.93986	0.070981	0.12559	0.038181	0.4104	0.067914	0.14281	0.229845
-0.02262	0.62585	0.046372	0.31733	0.020595	0.6571	0.059601	0.19856	0.130102
-0.00114	0.98046	-0.05119	0.2696	-0.02842	0.54016	-0.05107	0.27075	-0.19441
0.053617	0.24752	0.086466	0.0619	0.054224	0.2422	0.093039	0.04448	0.254484
-0.0425	0.35944	-0.00458	0.92139	-0.01465	0.75216	0.016745	0.71817	0.049591
0.013858	0.76518	-0.05112	0.27023	-0.02111	0.64911	-0.06971	0.13253	-0.07148
0.053441	0.24908	0.013031	0.77882	0.026474	0.56822	0.007825	0.86607	0.035219
-0.02412	0.60305	-0.03324	0.47357	-0.02476	0.59347	-0.02771	0.55029	-0.01127
-0.03037	0.51261	0.036478	0.43161	0.011063	0.81155	0.046811	0.31277	0.145952
0.091363	0.04847	0.063005	0.17407	0.080367	0.08276	0.031893	0.49175	0.028053
0.033584	0.46906	0.031071	0.50298	0.040566	0.38177	0.020038	0.66581	0.102061
0.043692	0.34613	0.077057	0.09627	0.060117	0.19469	0.063653	0.16967	0.22704
0.035003	0.45047	0.004688	0.91952	0.033206	0.47408	-0.01402	0.7625	-0.04238
-0.01329	0.77451	0.044479	0.33751	0.014957	0.74718	0.049539	0.28537	0.162807
0.010008	0.82923	0.061034	0.18795	0.025678	0.57991	0.081355	0.07904	0.073059
0.313869	3.90E-12	0.172284	0.00018	0.229539	5.33E-07	0.085432	0.06509	0.056327
0.030234	0.51455	0.032756	0.48009	0.038538	0.40604	0.039549	0.39382	0.006934
-0.02698	0.5609	-0.00572	0.90192	-0.00454	0.92202	-0.00959	0.83631	0.044951
0.046973	0.31109	0.153614	0.00087	0.0681	0.14172	0.174107	0.00016	0.311434
0.039085	0.3994	-0.04552	0.32627	0.004143	0.92885	-0.06618	0.15331	-0.11529
-0.03168	0.49461	0.062314	0.17885	0.024064	0.60397	0.067302	0.14646	0.185472
0.036558	0.4306	0.026083	0.57394	0.028883	0.53352	0.026536	0.56732	0.039385
4.03E-05	0.99931	0.032928	0.47779	0.029734	0.52153	0.031974	0.49064	0.046612
0.005363	0.90798	0.032186	0.48777	0.026339	0.57019	0.021641	0.64089	0.100424
-0.00981	0.83249	-0.03229	0.48631	-0.01266	0.78488	-0.03819	0.41031	-0.01995
0.059703	0.19778	0.083689	0.07079	0.066575	0.15088	0.052443	0.25804	0.086283
0.027226	0.55727	0.111698	0.01574	0.028867	0.53376	0.150482	0.00111	0.253586
0.035928	0.43859	0.003909	0.93285	-0.01327	0.7749	0.028476	0.53931	0.044688
-0.0302	0.51504	0.029742	0.52143	-0.01253	0.78706	0.028914	0.53309	0.066876

0.015095	0.74491	-0.09993	0.03084	-0.03165	0.49505	-0.13024	0.00482	-0.20583
0.214357	2.95E-06	0.270026	3.03E-09	0.24873	5.14E-08	0.195447	2.11E-05	0.296064
0.06045	0.19223	0.151157	0.00105	0.130533	0.00472	0.11577	0.0123	0.255278
0.026594	0.56647	0.164062	0.00037	0.078846	0.08876	0.172895	0.00017	0.346674
0.043444	0.34889	0.100169	0.03044	0.083723	0.07067	0.076536	0.09855	0.325057
0.033906	0.4648	0.084491	0.06812	0.05104	0.27101	0.09179	0.04743	0.258693
-0.00777	0.86698	0.007974	0.86355	-0.01422	0.75927	0.014785	0.74997	0.099241
0.037214	0.42236	0.034249	0.4603	0.048568	0.29493	0.003093	0.94685	0.005133
0.078183	0.09149	-0.00596	0.89783	0.028005	0.54605	-0.01062	0.81889	-0.01814
0.039661	0.39249	-0.01255	0.78686	0.024942	0.59082	-0.02072	0.65512	-0.02047
0.011278	0.80795	0.17905	0.0001	0.05217	0.26052	0.22171	1.31E-06	0.483814
0.016434	0.72319	0.123813	0.00739	0.057047	0.21851	0.144815	0.0017	0.25363
0.040073	0.38758	0.182421	7.34E-05	0.088928	0.05481	0.199262	1.44E-05	0.433584
0.002544	0.95628	-0.0083	0.85799	0.029584	0.52364	-0.04308	0.35288	-0.02759
0.066243	0.15293	0.06813	0.14155	0.052112	0.26106	0.072726	0.11653	0.178063
0.235326	2.69E-07	0.219115	1.75E-06	0.222348	1.22E-06	0.136104	0.00321	0.239351
0.011935	0.79699	-0.00015	0.99739	0.010838	0.81531	-0.00982	0.83242	0.024357
0.010806	0.81584	-0.06923	0.1352	-0.0282	0.5432	-0.07056	0.12786	-0.06565
-0.00818	0.86009	-0.02199	0.63546	-0.00904	0.84548	-0.0272	0.55768	-0.02419
0.07495	0.10575	0.098366	0.03357	0.071912	0.12069	0.08837	0.05635	0.159619
-0.04374	0.34562	-0.1782	0.00011	-0.09707	0.03598	-0.19298	2.69E-05	-0.3373
-0.03185	0.49231	0.081591	0.07817	0.02513	0.58803	0.109953	0.01746	0.150749
-0.00084	0.98554	0.041295	0.37326	0.038913	0.40148	0.026223	0.57189	0.081135
0.04333	0.35015	0.132517	0.00412	0.079014	0.08808	0.133764	0.00378	0.203356
-0.0383	0.40897	0.057501	0.21486	0.024783	0.5932	0.061767	0.1827	0.123505
0.047224	0.30851	0.01615	0.72777	0.024901	0.59144	-0.00962	0.83571	0.014911
0.079507	0.08611	0.182477	7.30E-05	0.075913	0.10133	0.216609	2.31E-06	0.349902
-0.01679	0.71743	0.031118	0.50233	0.004465	0.92333	0.051627	0.26552	0.091994
0.037565	0.418	0.032266	0.48669	0.032494	0.48362	0.046115	0.32002	0.110431
0.133752	0.00378	0.161719	0.00045	0.116387	0.01184	0.148619	0.00128	0.292971
-0.00871	0.85105	0.026676	0.56527	0.000577	0.99008	0.037327	0.42096	0.129738
0.093657	0.04308	0.083638	0.07096	0.052842	0.25442	0.088261	0.05666	0.160811
-0.03075	0.50735	0.096904	0.03631	0.035987	0.43783	0.093015	0.04453	0.220304
-0.00466	0.92006	0.024073	0.60384	0.024904	0.59139	0.016043	0.72951	0.054569
-0.14563	0.0016	-0.11584	0.01224	-0.08458	0.06782	-0.12301	0.00778	-0.20807
-0.02731	0.55601	-0.02858	0.53786	-0.03	0.5178	-0.02589	0.57674	-0.0447
0.003252	0.94412	0.048451	0.2961	0.01334	0.77372	0.050252	0.27849	0.112766
0.015644	0.73598	0.0932	0.04411	0.057109	0.21801	0.092414	0.04593	0.142885
-0.08383	0.07032	-0.16406	0.00037	-0.12759	0.00576	-0.15083	0.00108	-0.22503
0.132549	0.00411	0.104739	0.0236	0.10305	0.02595	0.077755	0.09328	0.248295
-0.0413	0.37318	-0.04467	0.33548	-0.05447	0.2401	-0.02953	0.52435	0.037154
0.088885	0.05492	0.161379	0.00046	0.133804	0.00377	0.1466	0.00149	0.179172
0.034896	0.45186	0.055573	0.23067	0.06191	0.18169	0.025279	0.58582	0.167557
0.082723	0.07411	0.15194	0.00099	0.094831	0.04052	0.138271	0.00275	0.285489
-0.01942	0.67554	-0.18343	6.68E-05	-0.09118	0.04893	-0.19038	3.46E-05	-0.26404

-0.05857	0.20646	-0.10857	0.01893	-0.08449	0.06813	-0.0956	0.03891	-0.193
0.037659	0.41683	0.00584	0.89983	0.00175	0.96991	-0.00217	0.9627	0.142733
-0.03288	0.47848	-0.01158	0.80287	-0.01196	0.79663	0.007368	0.87383	0.047206
-0.00245	0.95781	-0.13017	0.00484	-0.06367	0.16956	-0.14576	0.00159	-0.2572
-0.09266	0.04536	-0.09751	0.03515	-0.06134	0.18573	-0.0925	0.04572	-0.10568
0.478033	4.89E-28	0.512893	1.08E-32	0.544422	2.16E-37	0.320543	1.28E-12	0.249804
0.139783	0.00247	0.275844	1.34E-09	0.131558	0.0044	0.349581	7.19E-15	0.212478
-0.00158	0.97282	0.002704	0.95353	0.000819	0.98592	0.003907	0.93289	0.024052
0.028517	0.53874	0.090883	0.04967	0.092638	0.04541	0.03918	0.39825	0.141818
-0.00432	0.92589	0.018626	0.68808	0.029404	0.52618	-0.02527	0.58594	-0.01128
-0.04961	0.2847	-0.15594	0.00072	-0.0747	0.10693	-0.1898	3.65E-05	-0.26984
0.188208	4.26E-05	0.142194	0.00207	0.176709	0.00012	0.060255	0.19366	0.031516
-0.00034	0.9941	0.067596	0.1447	0.036964	0.42549	0.066125	0.15367	0.14904
0.070594	0.12767	0.076531	0.09857	0.067513	0.14519	0.069361	0.13447	0.077566
0.037012	0.42489	0.130627	0.00469	0.064088	0.16677	0.141638	0.00215	0.273709
-0.02729	0.55637	-0.00401	0.9311	-0.0033	0.94331	-0.00728	0.87534	0.082697
0.011871	0.79806	0.113479	0.01414	0.066314	0.15249	0.116759	0.01157	0.207285
0.011781	0.79956	-0.07392	0.11065	-0.03732	0.42102	-0.06461	0.16331	-0.03602
0.015945	0.73109	0.059566	0.19882	0.037104	0.42374	0.041989	0.36528	0.077607
0.028712	0.53596	0.001334	0.97707	0.051346	0.26814	-0.03682	0.42728	-0.01048
0.036337	0.43339	0.006683	0.88547	0.014581	0.75331	0.005843	0.89979	0.009416
-0.03629	0.43395	-0.0081	0.86144	-0.01221	0.79243	-0.01096	0.81328	-0.01401
-0.02274	0.62402	0.004829	0.91711	0.008994	0.8463	-0.01649	0.72226	-0.03233
-0.00433	0.92563	0.002659	0.95431	0.015998	0.73024	-0.0143	0.75784	0.071323
-0.00259	0.95556	-0.02575	0.57892	-7.31E-05	0.99874	-0.03487	0.45223	0.000124
0.013909	0.76434	0.042694	0.35727	0.048631	0.2943	0.02521	0.58684	0.083464
0.035289	0.44677	0.042981	0.35405	0.058893	0.20395	0.002568	0.95587	0.033539
-0.02561	0.58096	-0.13495	0.00348	-0.10949	0.01794	-0.10664	0.02117	-0.15174
-0.01884	0.68464	-0.02206	0.63444	0.004905	0.91582	-0.04153	0.3705	-0.03105
-0.03549	0.44413	0.007703	0.86814	-0.01521	0.74302	0.013762	0.76676	0.096669
0.060422	0.19243	0.128852	0.00529	0.115876	0.01222	0.073977	0.11036	0.37858
-0.0166	0.72043	0.081493	0.07853	0.025529	0.58212	0.097897	0.03443	0.258729
0.013969	0.76335	0.066514	0.15125	0.057067	0.21835	0.051898	0.26302	0.185955
0.001978	0.966	-0.06189	0.18186	-0.02864	0.53694	-0.05851	0.20688	-0.18972
0.046409	0.31694	0.162258	0.00043	0.102887	0.02619	0.166795	0.00029	0.346169
0.040511	0.38242	0.083379	0.07184	0.072587	0.11723	0.062796	0.1755	0.190272
0.146671	0.00148	0.11852	0.01036	0.10476	0.02357	0.090455	0.05076	0.194028
-0.02787	0.54804	-0.02103	0.65033	-0.0043	0.92615	-0.02219	0.63246	-0.03642
-0.00497	0.91465	-0.00414	0.92892	-0.00351	0.9397	0.005516	0.90536	0.019315
0.008983	0.84648	0.021982	0.63563	-0.00625	0.89289	0.0241	0.60342	0.061785
-0.05539	0.23221	-0.16796	0.00027	-0.08291	0.07346	-0.19738	1.74E-05	-0.33154
0.074343	0.10861	-0.00951	0.83754	0.049642	0.28437	-0.06432	0.16523	-0.10357
-0.04475	0.33453	-0.01905	0.68141	-0.02648	0.56812	-0.01775	0.70204	0.154106
0.018376	0.69205	0.059607	0.19851	0.020097	0.66489	0.067612	0.1446	0.106805
-0.06074	0.1901	-0.05364	0.24728	-0.02841	0.5403	-0.06341	0.1713	-0.06298

0.003829	0.93423	0.047967	0.30095	0.025616	0.58083	0.034343	0.45907	0.117656
0.096971	0.03618	0.065375	0.1584	0.066754	0.14978	0.04507	0.33112	0.046306
-0.02219	0.6324	-0.0581	0.21013	-0.02937	0.52667	-0.06179	0.18255	-0.04978
0.000367	0.99369	0.024469	0.59789	0.036048	0.43706	0.002463	0.95767	0.09985
0.138707	0.00266	0.239919	1.54E-07	0.1808	8.53E-05	0.206223	7.02E-06	0.279429
0.031955	0.4909	0.021608	0.64139	0.093306	0.04387	-0.04633	0.31773	-0.05313
-0.04079	0.37911	0.008828	0.8491	-3.06E-05	0.99947	0.01451	0.75448	0.066608
0.029582	0.52367	-0.06616	0.15346	0.004135	0.92898	-0.09494	0.04028	-0.14141
0.021559	0.64215	-0.04805	0.30013	0.004566	0.9216	-0.0766	0.09827	-0.1998
-0.12939	0.0051	-0.13505	0.00346	-0.08578	0.064	-0.15357	0.00087	-0.2552
0.063118	0.17329	0.010932	0.81373	0.034963	0.45099	-0.01428	0.75822	0.056444
0.072512	0.11761	0.069351	0.13453	0.081108	0.07995	0.038856	0.40217	0.175384
0.058316	0.20843	0.083594	0.07111	0.071861	0.12095	0.076849	0.09717	0.098859
-0.07582	0.10177	-0.14829	0.00131	-0.12756	0.00577	-0.09491	0.04035	-0.18305
-0.04214	0.36356	-0.03816	0.41064	-0.03415	0.46162	-0.01134	0.80689	0.001655
0.000359	0.99382	0.049395	0.28677	0.028702	0.5361	0.044756	0.33451	0.232118
0.036052	0.43701	0.047465	0.30605	0.104464	0.02397	-0.03138	0.49872	0.024002
0.067488	0.14534	-0.02809	0.54479	-0.02856	0.53812	-0.0162	0.7269	0.009263
-0.06011	0.19475	-0.05089	0.27247	-0.051	0.27136	-0.0285	0.53902	-0.02574
-0.04778	0.30283	-0.08941	0.05351	-0.06453	0.16387	-0.09464	0.04092	-0.08976
0.015971	0.73067	-0.0214	0.64456	0.000933	0.98396	-0.03169	0.49455	-0.01975
0.012009	0.79577	0.003641	0.93745	0.019694	0.67121	-0.00435	0.92529	0.023475
0.010955	0.81335	-0.05556	0.23079	0.0201	0.66483	-0.09331	0.04386	-0.13085
0.028149	0.54399	0.03036	0.51281	0.025241	0.58638	0.024368	0.5994	0.092435
0.052448	0.258	0.123521	0.00753	0.07009	0.13042	0.112335	0.01515	0.158211
-0.00656	0.8875	0.003826	0.93429	0.005634	0.90335	-0.0025	0.95701	0.02853
0.103077	0.02592	0.078255	0.09119	0.083974	0.06983	0.054714	0.23796	0.05669
0.104024	0.02457	0.026778	0.56378	0.078954	0.08833	-0.00603	0.89667	-0.03946
0.043794	0.34501	0.101309	0.02859	0.076548	0.09849	0.097797	0.03462	0.121292
0.140517	0.00234	0.130936	0.00459	0.145514	0.00162	0.09021	0.05139	0.107533
-0.01329	0.77448	-0.00454	0.92198	-0.01668	0.71921	0.024867	0.59195	0.02072
0.041664	0.36901	0.119426	0.00979	0.086365	0.0622	0.093446	0.04355	0.224046
0.068011	0.14224	0.171864	0.00019	0.112973	0.01458	0.1714	0.0002	0.413112
0.148045	0.00133	0.050945	0.27191	0.08706	0.06012	0.004905	0.91581	0.000212
0.077296	0.09524	0.000764	0.98686	0.035887	0.43911	-0.01725	0.71005	-0.03762
0.075145	0.10484	-0.09169	0.04768	-0.02686	0.56263	-0.1096	0.01782	-0.20394
0.048966	0.29099	-0.03269	0.48101	-0.02614	0.57317	-0.02625	0.57146	-0.01883
0.003017	0.94815	0.036982	0.42527	0.01062	0.81896	0.057314	0.21636	0.044157
0.041422	0.37179	0.042641	0.35787	0.044939	0.33253	0.0307	0.50809	0.102874
0.044579	0.33642	0.10639	0.02148	0.067101	0.14767	0.11219	0.01528	0.183128
0.020798	0.65395	0.092695	0.04527	0.053677	0.24699	0.105338	0.02281	0.082246
0.074055	0.10999	0.154588	0.0008	0.107674	0.01994	0.13684	0.00304	0.308156
0.054943	0.236	0.174577	0.00015	0.079346	0.08675	0.194742	2.26E-05	0.383163
0.08801	0.05737	0.001376	0.97634	0.030155	0.51565	-0.03133	0.49941	0.03825
0.022051	0.63457	-0.05833	0.20829	0.022203	0.63224	-0.10594	0.02204	-0.16009

0.01466	0.75203	0.018867	0.68425	0.012736	0.7837	0.028127	0.54431	0.031613
0.055262	0.23329	-0.03203	0.48987	-0.00245	0.95787	-0.04418	0.34073	-0.06765
-0.03928	0.39701	-0.05227	0.25965	-0.01799	0.69813	-0.07079	0.12659	-0.05153
-0.01249	0.78785	0.032716	0.48063	0.001101	0.98107	0.037606	0.41749	0.151751
-0.05233	0.25905	-0.05732	0.21632	-0.04979	0.28291	-0.0681	0.14171	-0.07155
0.050216	0.27883	0.078046	0.09206	0.067089	0.14774	0.081634	0.07801	0.13222
0.033231	0.47374	0.092877	0.04485	0.066817	0.1494	0.070415	0.12864	0.145342
0.054321	0.24135	-0.01038	0.82297	0.016004	0.73014	-0.02605	0.57443	-0.10087
-0.02311	0.61842	0.103193	0.02575	0.033425	0.47117	0.132151	0.00423	0.318187
-0.00973	0.83391	0.009184	0.8431	0.009892	0.83117	0.008477	0.85504	0.085391
-0.0006	0.9897	0.037985	0.4128	0.019547	0.67352	0.033256	0.47341	0.075124
-0.01564	0.73608	-0.00871	0.85106	-0.05012	0.27976	0.019486	0.67448	-0.01184
-0.05771	0.21317	-0.0602	0.19411	-0.02967	0.5225	-0.05236	0.2588	-0.03557
-0.13403	0.00371	-0.14849	0.00129	-0.14056	0.00233	-0.10321	0.02572	-0.24542
0.080405	0.08261	0.041817	0.36724	0.067168	0.14727	0.012868	0.78152	0.016164
0.002988	0.94864	-0.00717	0.87714	-0.00024	0.99595	-0.00567	0.90279	-0.00686
-0.03001	0.51765	0.028171	0.54367	0.011575	0.80299	0.027895	0.54763	0.102147
0.034025	0.46324	0.043791	0.34504	0.052922	0.25371	0.015483	0.7386	0.057791
0.064884	0.16155	0.118156	0.0106	0.091013	0.04934	0.093885	0.04257	0.277978
0.086813	0.06085	0.016906	0.71557	0.086498	0.0618	-0.04831	0.29747	-0.02105
0.028128	0.54429	-0.02612	0.57345	0.003612	0.93794	-0.0226	0.62616	-0.0036
0.033254	0.47344	-0.01661	0.72034	-0.00199	0.96577	-0.00386	0.93363	-0.03623
0.012812	0.78245	0.114564	0.01324	0.042047	0.36461	0.138605	0.00268	0.215502
-0.02331	0.61537	0.026875	0.56237	0.007964	0.86372	0.030076	0.51675	0.054063
0.099294	0.03193	0.15466	0.0008	0.102205	0.02721	0.149299	0.00121	0.278997
0.05392	0.24485	-0.03937	0.39596	-0.00514	0.91185	-0.04594	0.32182	0.000109
0.106117	0.02182	0.06351	0.17063	0.095953	0.03819	0.01895	0.68294	0.049503
0.035319	0.4464	0.054282	0.24169	0.060867	0.18917	0.029502	0.52479	0.076857
-0.01311	0.77756	0.07761	0.09389	0.044692	0.3352	0.066309	0.15252	0.200167
0.065803	0.15568	0.061524	0.18443	0.083445	0.07161	0.026938	0.56146	0.017424
0.202121	1.07E-05	0.243246	1.02E-07	0.220507	1.50E-06	0.191483	3.11E-05	0.409518
-0.00488	0.91623	0.103295	0.0256	0.050562	0.27553	0.116292	0.01191	0.21375
0.100147	0.03048	0.091423	0.04832	0.096552	0.037	0.065492	0.15765	0.238684
0.254732	2.37E-08	0.148474	0.00129	0.209808	4.81E-06	0.061009	0.18814	0.069613
0.076554	0.09846	0.035764	0.44068	0.026397	0.56935	0.048347	0.29713	0.03823
0.045715	0.32424	0.002847	0.95107	0.023305	0.61542	-0.01863	0.68806	0.075129
0.102817	0.02629	0.148754	0.00126	0.131144	0.00453	0.124575	0.00703	0.138664
0.037889	0.41399	0.039598	0.39324	0.049885	0.28201	0.020058	0.66549	0.077784
0.049809	0.28275	0.073774	0.11135	0.050626	0.27491	0.067067	0.14788	0.100442
-0.02327	0.61592	-0.02931	0.52746	-0.01266	0.78499	-0.04098	0.37688	0.004909
-0.06177	0.1827	-0.05087	0.27262	-0.04972	0.28363	-0.04099	0.37678	0.023438
0.069607	0.13309	-0.0243	0.60047	0.004419	0.92412	-0.03505	0.44986	-0.09404
0.023717	0.6092	0.152478	0.00095	0.065943	0.1548	0.182599	7.22E-05	0.232532
0.03023	0.51461	0.130436	0.00475	0.055886	0.22804	0.149742	0.00117	0.335154
-0.03347	0.47055	-0.06496	0.16104	-0.053	0.25301	-0.05579	0.22881	-0.01115

0.009588	0.83628	0.014971	0.74693	0.022187	0.63248	-0.00527	0.90955	0.061604
0.036352	0.4332	0.089889	0.05223	0.052697	0.25574	0.08815	0.05697	0.222312
0.032501	0.48352	0.069328	0.13466	0.066091	0.15388	0.053097	0.25214	0.179534
-0.08704	0.06018	-0.02536	0.58463	-0.03616	0.43559	-0.01847	0.69055	0.033799
0.052562	0.25695	0.008767	0.85013	0.050617	0.27501	-0.02139	0.64473	0.005812
0.06274	0.17589	0.074761	0.10663	0.05963	0.19833	0.056817	0.22038	0.224109
-0.06486	0.16172	-0.05544	0.23178	-0.0471	0.30974	-0.04578	0.32359	-0.00567
-0.11117	0.01624	-0.0677	0.1441	-0.08896	0.05472	-0.03208	0.48916	-0.05036
0.175504	0.00014	0.151453	0.00103	0.104893	0.02339	0.161081	0.00047	0.219917
-0.00941	0.83927	0.05466	0.23843	0.003001	0.94842	0.075613	0.10268	0.110793
0.092856	0.0449	0.004194	0.92797	0.013633	0.76888	-0.00516	0.91144	-0.00405
0.003714	0.93619	0.013415	0.77248	0.015121	0.74449	0.016229	0.72649	0.089283
0.055075	0.23488	0.034118	0.46202	0.037708	0.41623	0.029027	0.5315	0.146584
-0.06717	0.14726	-0.03959	0.39336	-0.04362	0.34698	-0.02275	0.62383	-0.02897
0.072131	0.11956	-0.05152	0.26651	0.041687	0.36874	-0.10408	0.0245	-0.0747
0.030997	0.504	0.090282	0.0512	0.059696	0.19784	0.080857	0.0809	0.165954
-0.03822	0.40991	-0.03306	0.47604	-0.02302	0.61971	-0.03574	0.44097	-0.02028
0.094551	0.04112	0.062781	0.1756	0.087979	0.05746	0.027295	0.55628	0.073689
-0.07502	0.10543	-0.11848	0.01039	-0.05349	0.24863	-0.13702	0.00301	-0.17753
-0.09457	0.04107	-0.08427	0.06885	-0.05752	0.21475	-0.09868	0.03301	-0.17927
0.001955	0.96639	0.062963	0.17435	0.021808	0.63831	0.075843	0.10164	0.156529
-0.00637	0.89075	-0.0317	0.49431	-0.01949	0.67449	-0.02436	0.59958	-0.02445
0.002045	0.96485	0.045261	0.32907	0.042233	0.36249	0.039216	0.39782	0.079996
0.008122	0.86104	0.000642	0.98895	0.002678	0.95398	0.014049	0.76204	0.025425
-0.09167	0.04772	-0.06375	0.169	-0.04472	0.33484	-0.07484	0.10625	-0.10627
0.060874	0.18912	0.187783	4.44E-05	0.102608	0.0266	0.194085	2.41E-05	0.307317
0.034996	0.45056	0.063795	0.16872	0.075898	0.10139	0.03538	0.44561	0.037462
0.159094	0.00056	0.163998	0.00037	0.15095	0.00107	0.117249	0.01122	0.199351
0.049052	0.29013	0.166531	0.0003	0.06338	0.17151	0.212216	3.72E-06	0.216012
-0.03826	0.40939	-0.12327	0.00766	-0.08346	0.07155	-0.12402	0.00729	-0.26562
-0.01629	0.72554	0.056775	0.22072	0.022668	0.62512	0.061097	0.1875	0.173271
-0.02969	0.52222	-0.1127	0.01482	-0.05466	0.23845	-0.11939	0.00981	-0.1067
-0.01877	0.68573	-0.02918	0.52926	-0.00805	0.86233	-0.0301	0.51639	-0.04168
0.020925	0.65196	-0.0116	0.80263	0.010111	0.82749	-0.02573	0.57908	0.018995
0.121249	0.00872	0.057597	0.2141	0.045137	0.33041	0.065474	0.15777	0.045395
0.24243	1.13E-07	0.227662	6.62E-07	0.228974	5.69E-07	0.164485	0.00036	0.094758
0.131454	0.00443	0.076478	0.0988	0.082461	0.07504	0.058621	0.20605	0.127137
0.042884	0.35514	-0.01116	0.80989	-0.0091	0.84447	-0.00903	0.84566	0.01172
0.131732	0.00435	0.101096	0.02893	0.139429	0.00253	0.049454	0.2862	0.070073
0.028994	0.53195	0.015554	0.73744	0.044235	0.34017	-0.01604	0.7295	-0.09206
6.07E-05	0.99896	0.098981	0.03247	0.050629	0.27489	0.100723	0.02953	0.231685
0.016926	0.71525	0.096396	0.0373	0.05853	0.20676	0.089195	0.05408	0.180841
-0.02898	0.5321	0.009264	0.84174	0.000929	0.98403	0.019033	0.68162	0.088138
-0.03772	0.41608	-0.06306	0.17367	-0.01527	0.74212	-0.07521	0.10453	-0.08351
0.010911	0.81409	0.073493	0.11272	0.040925	0.37756	0.072046	0.12	0.151414



-0.01037	0.82315	-0.04083	0.37871	-0.02936	0.52678	-0.03623	0.4347	-0.09447
-0.01507	0.74538	-0.01528	0.74194	-0.0042	0.92781	-0.00826	0.85877	0.00775
0.090155	0.05153	0.152562	0.00094	0.121813	0.00841	0.139466	0.00252	0.18552
-0.06648	0.15143	0.031957	0.49087	-0.02606	0.57436	0.052997	0.25304	0.104083
0.077383	0.09486	-0.01705	0.71328	0.026065	0.57422	-0.03323	0.4738	-0.02579
-0.01511	0.74472	0.038715	0.40388	0.020404	0.66009	0.036029	0.4373	0.189114
0.032309	0.4861	0.030898	0.50535	0.036872	0.42665	0.023546	0.61178	0.137864
0.04837	0.2969	0.120531	0.00913	0.075828	0.10171	0.124106	0.00725	0.306451
-0.05742	0.21549	-0.11279	0.01474	-0.07678	0.09749	-0.11987	0.00952	-0.18865
0.109319	0.01812	0.076399	0.09915	0.083245	0.0723	0.052578	0.25681	0.077815
-0.02791	0.54743	0.003699	0.93646	-0.00316	0.94577	-0.00578	0.90079	0.047667
-0.06243	0.17806	-0.01389	0.76473	-0.02332	0.61525	-0.01787	0.70016	0.056664
0.092572	0.04556	0.021265	0.6467	0.040468	0.38291	-0.00044	0.99241	0.039052
-0.01954	0.67361	0.088493	0.05601	0.032875	0.4785	0.10189	0.02769	0.128388
-0.13595	0.00324	-0.16464	0.00035	-0.11259	0.01492	-0.1622	0.00043	-0.30255
0.028078	0.54501	0.034116	0.46204	0.041924	0.36602	0.025555	0.58173	0.040433
-0.03582	0.43991	0.052059	0.26155	0.024224	0.60156	0.051444	0.26723	0.158233
0.004471	0.92324	0.032414	0.48469	0.012044	0.79518	0.056157	0.2258	0.040689
0.034909	0.45169	0.098523	0.03329	0.083789	0.07045	0.092731	0.04519	0.138917
0.014045	0.76211	0.04406	0.34208	0.026995	0.56063	0.044587	0.33633	0.096534
0.0511	0.27044	0.178028	0.00011	0.096842	0.03643	0.202238	1.06E-05	0.310853
0.006613	0.88666	0.094673	0.04085	0.049835	0.28249	0.120633	0.00907	0.155376
-0.01132	0.80718	0.057009	0.21882	0.013282	0.77468	0.094759	0.04067	0.166531
0.042298	0.36175	0.116272	0.01192	0.069115	0.13587	0.127703	0.00572	0.20295
-0.00032	0.99444	0.041455	0.37141	0.020258	0.66237	0.066014	0.15436	0.0822
-0.00978	0.8331	0.079783	0.08502	0.019566	0.67321	0.122213	0.0082	0.107172
0.079402	0.08653	0.134394	0.00362	0.108257	0.01928	0.127148	0.00593	0.129093
0.042407	0.36052	0.090758	0.04998	0.079102	0.08773	0.063367	0.1716	0.193632
0.052432	0.25814	0.157196	0.00065	0.075437	0.10349	0.194178	2.39E-05	0.194379
-0.00553	0.90511	0.059651	0.19818	0.01208	0.79459	0.09492	0.04033	0.206886
0.097982	0.03427	0.245433	7.79E-08	0.136246	0.00318	0.275913	1.32E-09	0.376996
0.132932	0.00401	0.260943	1.04E-08	0.17193	0.00019	0.269125	3.43E-09	0.385575
0.151226	0.00104	0.273856	1.77E-09	0.179708	9.42E-05	0.27653	1.21E-09	0.358603
-0.01491	0.74797	0.031425	0.49812	0.000607	0.98956	0.035545	0.44349	0.181615
-0.00579	0.90076	0.08131	0.0792	0.029196	0.52911	0.090805	0.04987	0.16925
-0.01752	0.70579	0.01566	0.73572	-0.00588	0.89911	0.024971	0.5904	0.105733
0.041911	0.36617	0.051504	0.26667	-0.01277	0.78309	0.095282	0.03957	0.038831
0.083184	0.07251	0.192384	2.85E-05	0.139021	0.00261	0.165283	0.00033	0.367033
0.076439	0.09897	0.117082	0.01134	0.089569	0.05308	0.10971	0.01771	0.171807
0.059121	0.2022	0.067391	0.14592	0.063734	0.16913	0.051737	0.26451	0.048004
0.036501	0.43132	0.085974	0.0634	0.057238	0.21697	0.092225	0.04638	0.067013
0.02351	0.61233	-0.01715	0.71158	-0.0089	0.84783	-0.01112	0.81064	-0.00306
0.024517	0.59717	0.180613	8.68E-05	0.092556	0.0456	0.1916	3.07E-05	0.366002
0.050916	0.27218	0.124739	0.00696	0.087508	0.05881	0.107487	0.02016	0.230999
0.044232	0.3402	0.059666	0.19807	0.039981	0.38868	0.054168	0.24268	0.141815

-0.02113	0.64872	0.038597	0.40531	0.019265	0.67797	0.028031	0.54567	0.15559
-0.02386	0.60696	0.029916	0.51899	0.020737	0.6549	0.01158	0.8029	0.149571
-0.05327	0.25059	-0.0552	0.2338	-0.05401	0.24411	-0.05142	0.26748	-0.01059
-0.14901	0.00124	-0.12662	0.00615	-0.1167	0.01161	-0.12172	0.00846	-0.21266
-0.00698	0.88038	0.072084	0.1198	0.02018	0.66358	0.08813	0.05703	0.162018
-0.01515	0.74408	-0.0738	0.11122	-0.01028	0.82457	-0.10563	0.02244	-0.11133
-0.00792	0.86446	0.017642	0.70376	0.01581	0.73329	0.012895	0.78108	0.026748
0.006953	0.88088	-0.11368	0.01397	-0.01175	0.80003	-0.16064	0.00049	-0.19991
0.043938	0.34342	0.040973	0.377	0.059839	0.19676	0.002906	0.95007	0.081856
0.04446	0.33771	0.031058	0.50315	0.05097	0.27166	0.023031	0.61959	0.01078
-0.07198	0.12031	-0.04061	0.38127	-0.03708	0.42402	-0.05615	0.22585	-0.00257
0.018718	0.68662	0.034879	0.45207	0.022943	0.62093	0.030044	0.5172	0.040073
-0.007	0.88016	-0.00675	0.88438	0.001898	0.96736	-0.00034	0.99419	0.045599
-0.04464	0.3358	-0.01337	0.77329	-0.04739	0.30682	0.009602	0.83605	0.01945
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-0.03376	0.46668	-0.11821	0.01056	-0.11263	0.01488	-0.07739	0.09482	-0.14247
0.00416	0.92855	0.022164	0.63284	0.024426	0.59852	0.007897	0.86486	0.023953
0.053518	0.24839	-0.01111	0.8108	0.020457	0.65926	-0.0325	0.48354	-0.01758
0.029637	0.5229	0.077887	0.09273	0.019302	0.67739	0.101274	0.02865	0.164528
0.015699	0.73509	0.014744	0.75065	0.005581	0.90425	0.005637	0.9033	0.017697
0.016432	0.72322	-0.11185	0.0156	-0.05801	0.21081	-0.1271	0.00595	-0.24545
-0.13822	0.00276	-0.12913	0.00519	-0.12108	0.00881	-0.11381	0.01386	-0.23594
-0.00172	0.97046	-0.02516	0.58759	-0.01853	0.68961	-0.03182	0.49267	0.007045
-0.02402	0.6047	-0.08145	0.07869	-0.02292	0.62124	-0.10907	0.01839	-0.14508
0.135624	0.00332	0.112709	0.01481	0.169354	0.00024	0.024487	0.59762	0.142449
-0.05236	0.25881	-0.08955	0.05312	-0.05639	0.22386	-0.08131	0.07921	-0.1958
-0.02472	0.59417	0.07525	0.10435	0.026064	0.57422	0.089236	0.05397	0.238258
0.08499	0.0665	0.040816	0.37884	0.089037	0.05451	-0.01118	0.80966	-0.00757
0.052603	0.25659	0.142277	0.00206	0.085822	0.06387	0.145616	0.0016	0.271432
-0.0084	0.85629	0.007482	0.87189	-0.00349	0.94008	0.01541	0.73978	-0.00757
0.056757	0.22086	0.001878	0.96772	0.043288	0.35062	-0.02508	0.58872	-0.00382
-0.00231	0.96024	0.007503	0.87154	0.001309	0.9775	0.001586	0.97273	0.037001
0.083801	0.07041	0.198187	1.60E-05	0.10204	0.02746	0.228258	6.18E-07	0.325589
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0.061651	0.18352	0.088703	0.05542	0.090931	0.04955	0.05632	0.22444	0.118639
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0.379654	1.85E-17	0.292498	1.15E-10	0.350928	5.58E-15	0.15206	0.00098	0.184737
-0.04292	0.35471	0.028326	0.54146	-0.00346	0.94064	0.040445	0.38319	0.156646
0.120954	0.00889	-0.02393	0.60604	0.06149	0.18467	-0.08256	0.0747	0.003057
0.011044	0.81186	0.110267	0.01714	0.050223	0.27876	0.116586	0.01169	0.280675
0.046517	0.31581	-0.03874	0.40352	0.030519	0.5106	-0.08639	0.06213	-0.11423
-0.06104	0.18788	-0.15939	0.00055	-0.11807	0.01066	-0.1471	0.00143	-0.29323
0.061609	0.18382	0.016193	0.72708	0.023642	0.61032	0.021766	0.63896	0.022252
0.020771	0.65436	0.109979	0.01743	0.054632	0.23866	0.108903	0.01857	0.295966
0.062048	0.18071	0.074873	0.10611	0.077507	0.09433	0.069016	0.13643	0.16221

0.065958	0.15471	-0.00423	0.92731	0.033521	0.46989	-0.03132	0.49955	0.000296
0.024223	0.60158	0.085626	0.06448	0.059095	0.2024	0.092321	0.04615	0.131113
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0.061906	0.18172	0.104724	0.02362	0.082076	0.07641	0.073523	0.11257	0.266416
0.101463	0.02835	0.052198	0.26027	0.071437	0.12317	0.02751	0.55317	0.056797
0.159043	0.00056	0.105126	0.02309	0.186632	4.95E-05	0.005523	0.90525	0.046006
-0.00509	0.91264	0.05086	0.27271	0.020782	0.65419	0.058924	0.20371	0.120031
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0.031322	0.49954	0.083544	0.07128	0.038843	0.40233	0.100008	0.03071	0.114001
0.002173	0.96265	0.075651	0.10251	0.034173	0.46129	0.08592	0.06357	0.188076
0.086372	0.06218	0.122691	0.00795	0.10806	0.0195	0.104269	0.02424	0.178164
-0.01422	0.75923	0.082638	0.07441	0.018716	0.68665	0.100929	0.0292	0.256337
-0.03509	0.44931	-0.00367	0.93693	-0.01446	0.75535	0.004191	0.92803	0.010283
0.073948	0.11051	-0.08476	0.06723	-0.03329	0.47291	-0.10078	0.02944	-0.21882
0.091423	0.04833	0.068413	0.1399	0.09634	0.03742	0.036078	0.43667	0.00251
0.022785	0.62334	-0.02684	0.5629	-0.01794	0.69905	-0.02022	0.66301	0.001043
-0.05005	0.28046	-0.10581	0.02221	-0.06815	0.1414	-0.11087	0.01654	-0.159
-0.12207	0.00827	-0.21097	4.25E-06	-0.14922	0.00122	-0.18747	4.57E-05	-0.37236
-0.04399	0.34287	-0.1179	0.01077	-0.11111	0.0163	-0.10131	0.0286	-0.15206
0.130465	0.00474	0.095265	0.0396	0.123155	0.00771	0.050358	0.27747	0.061822
-0.03446	0.45749	-0.1787	0.0001	-0.13164	0.00438	-0.16419	0.00037	-0.33343
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0.064962	0.16105	0.040953	0.37723	0.075113	0.10499	-0.00606	0.89612	0.036629
0.072576	0.11729	0.069866	0.13166	0.083043	0.07299	0.047465	0.30605	0.037713
0.135097	0.00344	0.117575	0.011	0.093345	0.04378	0.102662	0.02652	0.152677
0.047677	0.30388	0.018576	0.68886	0.05975	0.19743	-0.01482	0.74938	0.044085
0.026126	0.57332	0.131286	0.00449	0.071328	0.12374	0.133419	0.00387	0.181937
0.0008	0.98625	0.046311	0.31796	0.012769	0.78315	0.058376	0.20795	0.158179
-0.04192	0.36603	-0.11029	0.01711	-0.02869	0.53634	-0.14932	0.00121	-0.1017
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-0.08339	0.07182	-0.11394	0.01375	-0.06801	0.14225	-0.12058	0.0091	-0.15039
-0.00187	0.96782	0.063491	0.17076	0.029776	0.52096	0.083178	0.07253	0.100693
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0.058852	0.20427	0.051716	0.2647	0.050189	0.27909	0.034192	0.46105	0.204975
0.030117	0.51619	0.073682	0.1118	0.038781	0.40308	0.065937	0.15484	0.286047
-0.03784	0.41461	-0.01138	0.80622	-0.01815	0.69563	-0.00428	0.92647	0.027724
0.020538	0.65799	-0.01166	0.80164	0.002158	0.9629	-0.01907	0.68105	-0.02814
-0.00346	0.94053	0.025214	0.58679	0.017589	0.7046	0.02495	0.59071	0.126314
0.040815	0.37884	0.067183	0.14718	0.064589	0.16347	0.03952	0.39417	0.209792
0.085193	0.06585	0.020236	0.6627	0.011814	0.79902	0.019878	0.66832	-0.01423
0.024884	0.59168	0.077996	0.09227	0.032444	0.48429	0.07346	0.11288	0.159746
0.00347	0.94039	0.028888	0.53347	0.032912	0.47801	0.016335	0.72478	0.1601
0.006133	0.89483	-0.09072	0.05009	-0.05192	0.26284	-0.10632	0.02156	-0.16819
0.006632	0.88635	-0.03544	0.44483	0.046404	0.31699	-0.0849	0.06679	-0.15401
-0.13134	0.00447	-0.11355	0.01408	-0.1348	0.00352	-0.06983	0.13186	-0.07059

-0.00542	0.90694	0.06015	0.19445	0.01077	0.81645	0.080251	0.08321	0.18572
-0.00821	0.85948	0.076912	0.0969	0.027285	0.55643	0.099415	0.03172	0.157421
-0.01288	0.78126	-0.00764	0.86926	-0.01355	0.77033	0.006449	0.88945	-0.00347
0.048353	0.29707	0.205173	7.84E-06	0.091835	0.04732	0.242886	1.07E-07	0.264521
0.148001	0.00134	0.112479	0.01502	0.116687	0.01162	0.08361	0.07105	0.043391
-0.02149	0.64327	0.036821	0.42728	-0.00511	0.9123	0.056084	0.22639	0.104853
0.048391	0.29669	0.004368	0.92499	0.014517	0.75436	0.003869	0.93355	0.052602
-0.03587	0.43939	-0.00513	0.9119	0.018345	0.69254	-0.02261	0.62603	-0.06425
-0.04563	0.32514	0.056446	0.22341	0.010131	0.82715	0.072028	0.12009	0.181112
-0.00661	0.88668	-0.00129	0.97787	-0.01667	0.71932	0.010532	0.82043	-0.07851
0.245751	7.48E-08	0.195029	2.19E-05	0.229276	5.49E-07	0.105142	0.02307	0.205219
-0.01536	0.74054	0.065597	0.15699	0.012296	0.791	0.091573	0.04796	0.04775
0.07268	0.11676	-0.0598	0.19709	0.035107	0.44913	-0.11504	0.01286	-0.20674
0.049955	0.28134	-0.07244	0.11799	0.003124	0.94631	-0.11291	0.01464	-0.18858
0.168203	0.00026	0.148016	0.00134	0.170749	0.00021	0.086761	0.06101	0.159552
0.061563	0.18415	0.009327	0.84069	0.080362	0.08278	-0.05505	0.23505	-0.06484
0.087544	0.05871	0.055265	0.23327	0.097743	0.03472	-0.00265	0.95445	0.102876
-0.01267	0.7848	0.03489	0.45194	0.027722	0.55012	0.030354	0.51289	0.107171
-0.07474	0.10671	-0.01086	0.815	-0.02914	0.52994	0.018088	0.69663	0.022922
-0.02249	0.62782	0.020522	0.65824	0.004183	0.92816	0.034721	0.45413	0.104362
0.012711	0.78412	0.084717	0.06738	0.032994	0.47691	0.114898	0.01297	0.173511
0.006675	0.8856	0.012357	0.78998	0.046192	0.31921	-0.01465	0.75226	-0.02523
0.001976	0.96603	-0.02299	0.62014	0.015975	0.73061	-0.0423	0.36172	-0.03192
-0.01928	0.67767	-0.00232	0.96006	-0.01227	0.79137	-0.00272	0.9533	0.089088
0.135683	0.0033	0.043729	0.34573	0.081791	0.07744	0.000595	0.98977	0.023976
0.040633	0.38098	0.056218	0.22529	0.034295	0.4597	0.05406	0.24363	0.129616
0.112957	0.01459	0.208696	5.41E-06	0.173795	0.00016	0.168327	0.00026	0.351205
0.089423	0.05347	0.068705	0.1382	0.070862	0.12623	0.051983	0.26224	0.06141
0.067123	0.14754	-0.0212	0.64765	0.046418	0.31685	-0.06413	0.16652	-0.09162
-0.01106	0.81162	0.016139	0.72795	0.001382	0.97625	0.022046	0.63464	0.094304
-0.01769	0.70293	0.037955	0.41318	0.005713	0.902	0.063228	0.17255	0.062897
0.172698	0.00018	0.142082	0.00209	0.209874	4.78E-06	0.030045	0.51719	0.051261
-0.01218	0.793	0.017329	0.70876	0.009079	0.84487	0.015932	0.7313	0.048225
0.015581	0.73701	0.001435	0.97532	0.015482	0.73862	-0.01284	0.78196	0.018067
0.066945	0.14862	0.033409	0.47138	0.091967	0.047	-0.01727	0.70978	0.064542
0.014438	0.75566	0.044255	0.33995	0.039613	0.39305	0.030553	0.51012	0.001029
0.051114	0.27031	0.087068	0.0601	0.045301	0.32865	0.082111	0.07628	0.241363
-0.00943	0.83901	-0.13889	0.00263	-0.04594	0.32182	-0.17518	0.00014	-0.28375
0.05062	0.27498	0.075769	0.10197	0.071605	0.12229	0.059288	0.20093	0.187461
-0.07048	0.12831	-0.0508	0.27331	-0.0422	0.36289	-0.04252	0.3592	-0.02339
0.017239	0.71021	0.114606	0.01321	0.05638	0.22395	0.121333	0.00867	0.168052
0.007275	0.87541	0.097114	0.03591	0.040354	0.38426	0.114723	0.01311	0.066286
-0.03739	0.42017	-0.07807	0.09195	-0.02172	0.63972	-0.09308	0.04438	-0.10868
0.065067	0.16037	0.111408	0.01601	0.120362	0.00923	0.064224	0.16587	0.213694
-0.12435	0.00713	-0.16694	0.00029	-0.13005	0.00488	-0.14281	0.00198	-0.24318

0.093121	0.04429	0.026048	0.57446	0.037091	0.4239	0.019408	0.67571	0.015293
0.02071	0.65531	-0.00393	0.93251	-0.01687	0.71618	-0.00503	0.91369	-0.00671
-0.02514	0.58784	-0.04232	0.36154	-0.03334	0.47234	-0.03434	0.45904	0.024629
-0.02936	0.52684	-0.05256	0.25701	-0.00627	0.89253	-0.08524	0.06569	-0.10534
-0.07864	0.0896	-0.10095	0.02916	-0.08226	0.07577	-0.09054	0.05054	-0.19806
-0.10584	0.02216	0.032468	0.48396	-0.05121	0.26943	0.079917	0.0845	0.214701
-0.06586	0.1553	0.063525	0.17053	0.005822	0.90015	0.080139	0.08364	0.172881
0.016004	0.73014	0.066891	0.14894	0.040424	0.38343	0.075245	0.10437	0.123191
-0.01799	0.69816	-0.08798	0.05746	-0.02417	0.60238	-0.10792	0.01967	-0.15455
0.216806	2.26E-06	0.271848	2.35E-09	0.21521	2.69E-06	0.245915	7.33E-08	0.384304
0.050999	0.27139	0.075771	0.10197	0.074465	0.10803	0.047716	0.3035	0.215058
0.037187	0.4227	0.170299	0.00022	0.074206	0.10926	0.196844	1.83E-05	0.261906
0.006129	0.89491	-0.01925	0.67827	0.004967	0.91475	-0.02192	0.63651	-0.02303
-0.01793	0.69915	-0.08784	0.05786	-0.02223	0.63181	-0.11767	0.01093	-0.15214
0.035933	0.43853	0.096953	0.03622	0.049009	0.29056	0.10748	0.02017	0.236239
0.032584	0.4824	-0.06274	0.17587	0.02422	0.60162	-0.11997	0.00946	-0.15237
-0.06986	0.13167	-0.02482	0.5927	-0.0315	0.49704	-0.00782	0.86614	0.081676
0.02921	0.52891	0.042965	0.35423	0.050741	0.27383	0.01684	0.71663	0.185346
0.002711	0.9534	0.022815	0.62288	0.050285	0.27817	-0.01021	0.82578	0.037847
0.041309	0.3731	-0.01919	0.67917	0.019363	0.67641	-0.02522	0.58675	-0.05909
0.090568	0.05047	0.16505	0.00034	0.139403	0.00253	0.145885	0.00157	0.244444
0.008755	0.85033	-0.02837	0.54079	0.006708	0.88505	-0.03392	0.46456	-0.07825
0.010043	0.82864	-0.02344	0.61342	0.005094	0.91259	-0.02867	0.53659	0.00666
0.008484	0.85491	0.063928	0.16783	0.044191	0.34065	0.054095	0.24332	0.118358
-0.00437	0.92504	0.128959	0.00525	0.031941	0.49109	0.164864	0.00035	0.28775
-0.04927	0.28799	0.022754	0.62381	-0.02346	0.61301	0.045845	0.32286	0.205143
0.025552	0.58178	0.016284	0.7256	0.027954	0.54679	0.008987	0.84641	0.031906
0.099096	0.03227	0.122208	0.0082	0.110112	0.01729	0.088832	0.05507	0.120942
0.063191	0.1728	0.06698	0.14841	0.065617	0.15686	0.041	0.37668	0.09926
0.104459	0.02398	0.12267	0.00796	0.095356	0.03941	0.100448	0.02998	0.114269
0.062616	0.17675	0.163979	0.00037	0.091981	0.04697	0.179759	9.38E-05	0.306149
-0.02964	0.52285	-0.01036	0.82327	0.000223	0.99616	-0.00409	0.92981	-0.03738
0.013195	0.77611	-0.02418	0.60228	-0.00655	0.88775	-0.03436	0.45888	-0.09948
-0.03727	0.4217	0.0026	0.95531	-0.0198	0.66949	0.024806	0.59285	0.104617
0.073594	0.11222	0.125682	0.00654	0.093531	0.04336	0.1125	0.015	0.211667
0.028952	0.53256	0.081128	0.07988	0.066221	0.15307	0.061737	0.18291	0.16393
0.008557	0.85369	0.029373	0.52661	0.028953	0.53254	0.008221	0.85937	0.055499
0.081113	0.07993	0.017327	0.7088	0.060473	0.19206	-0.01943	0.67529	-0.03281
-0.12635	0.00625	-0.1097	0.01772	-0.10827	0.01927	-0.08231	0.07558	-0.1354
0.010198	0.82603	0.066524	0.15119	0.030597	0.50952	0.078567	0.0899	0.106759
0.019267	0.67794	0.019555	0.67339	0.039428	0.39528	-0.00873	0.85075	0.016803
0.088154	0.05696	0.248501	5.29E-08	0.145048	0.00167	0.260495	1.11E-08	0.37906
0.038271	0.4093	0.049689	0.28392	0.026548	0.56713	0.055119	0.2345	0.088044
-0.00153	0.97362	0.037836	0.41465	0.03299	0.47696	0.034824	0.4528	0.139646
0.020562	0.65762	-0.01261	0.78579	-0.00503	0.91363	-0.02182	0.63814	-0.06312

0.076421	0.09905	0.148585	0.00128	0.090102	0.05167	0.169752	0.00023	0.17613
-0.02253	0.62721	0.01808	0.69676	0.005489	0.90583	0.013064	0.77827	0.057353
0.013595	0.76951	0.046183	0.31931	0.032322	0.48593	0.042125	0.36372	0.212478
0.103345	0.02553	0.081566	0.07826	0.0981	0.03406	0.048557	0.29504	0.054465
-0.0295	0.52488	-0.01362	0.76914	-0.01117	0.80967	-0.02192	0.63664	-0.02466
-0.10502	0.02323	-0.12907	0.00521	-0.09512	0.03992	-0.13364	0.00381	-0.13452
-0.02719	0.55784	-0.06932	0.13471	-0.03256	0.4827	-0.08664	0.06136	-0.15404
0.039048	0.39984	0.048139	0.29922	0.018925	0.68334	0.04877	0.29292	0.09612
0.11962	0.00967	0.120283	0.00927	0.120674	0.00904	0.065955	0.15473	0.23034
0.046114	0.32004	-0.08631	0.06237	-0.03338	0.47177	-0.10503	0.02321	-0.11837
0.060747	0.19004	0.044725	0.33484	0.053621	0.24749	0.014144	0.76048	0.11828
-0.02094	0.65176	-0.13414	0.00368	-0.08608	0.06306	-0.13846	0.00271	-0.28976
-0.04504	0.33147	-0.01765	0.70367	-0.00817	0.86016	-0.02785	0.54833	-0.03003
0.090359	0.051	0.081788	0.07745	0.092557	0.0456	0.047326	0.30746	0.114843
0.001959	0.96633	0.025258	0.58613	-0.00552	0.90526	0.034428	0.45795	0.170563
0.00327	0.94382	0.032252	0.48688	0.029606	0.52334	0.01534	0.74093	0.238198
0.028155	0.5439	0.159997	0.00052	0.077567	0.09408	0.177218	0.00012	0.241806
-0.0028	0.95196	0.078457	0.09035	0.024828	0.59253	0.120002	0.00944	0.077639
-0.0393	0.39684	-0.02201	0.63515	-0.02786	0.54818	-0.01799	0.69817	-0.01001
0.051456	0.26712	0.140647	0.00232	0.094098	0.0421	0.134523	0.00359	0.267556
-0.09698	0.03617	-0.05258	0.25677	-0.06441	0.16463	-0.04173	0.3682	-0.03062
-0.03172	0.49408	-0.02423	0.60142	-0.02407	0.6039	-0.02012	0.66455	0.005571
-0.05246	0.25792	-0.10874	0.01874	-0.09629	0.03752	-0.10468	0.02368	-0.25415
0.004079	0.92994	0.021478	0.64339	-0.00456	0.92169	0.048468	0.29593	0.019151
-0.03107	0.50297	-0.06375	0.16899	-0.04475	0.33454	-0.06939	0.13433	-0.15559
-0.02819	0.54336	-0.014	0.76287	-0.04387	0.34415	0.011552	0.80338	0.041541
0.041711	0.36846	0.090057	0.05179	0.083814	0.07036	0.056453	0.22335	0.184183
0.050853	0.27277	-0.00867	0.85173	0.008552	0.85376	-0.01572	0.73481	-0.00236
-0.0183	0.69319	0.005018	0.91387	-0.00684	0.88274	-0.00108	0.98139	0.036257
0.011039	0.81194	-0.08795	0.05754	-0.0117	0.80083	-0.12083	0.00896	-0.1171
-0.11714	0.01129	-0.05745	0.2153	-0.07011	0.13029	-0.02453	0.59692	-0.06664
0.021556	0.6422	0.10553	0.02256	0.049834	0.28251	0.111296	0.01612	0.136363
0.06296	0.17437	0.083277	0.07219	0.073244	0.11395	0.065452	0.15791	0.236893
0.042391	0.3607	-0.03146	0.4976	0.006817	0.8832	-0.04531	0.32852	0.009047
0.20049	1.27E-05	0.21735	2.12E-06	0.192063	2.94E-05	0.165139	0.00034	0.323719
0.122391	0.0081	0.188449	4.16E-05	0.139925	0.00244	0.176799	0.00012	0.244484
0.030625	0.50913	-0.07579	0.10186	0.00287	0.95067	-0.10444	0.024	-0.25183
0.027661	0.551	0.039125	0.39892	0.019441	0.67519	0.042152	0.36341	0.098456
0.133501	0.00385	-0.06771	0.14402	0.0139	0.76449	-0.09756	0.03505	-0.22675
0.043123	0.35246	0.113962	0.01373	0.077938	0.09251	0.092786	0.04506	0.300649
0.023887	0.60663	0.136527	0.00311	0.072127	0.11958	0.149201	0.00122	0.337355
-0.08147	0.0786	-0.02151	0.6429	-0.04961	0.28467	-0.00173	0.9703	0.069545
0.086733	0.06109	0.143063	0.00194	0.082135	0.0762	0.154191	0.00083	0.231715
0.038129	0.41104	-0.05119	0.26957	0.002965	0.94904	-0.0898	0.05246	-0.09345
0.034507	0.45692	-0.06357	0.17024	-0.03408	0.46247	-0.08158	0.0782	-0.08505

0.049575	0.28502	0.033655	0.46812	0.039605	0.39316	0.018101	0.69643	0.006759
0.094927	0.04031	-0.02913	0.53006	0.051113	0.27032	-0.07419	0.10933	-0.09525
0.077406	0.09477	0.068174	0.14129	0.087546	0.0587	0.04224	0.36241	-0.01929
0.119362	0.00983	0.088816	0.05512	0.102431	0.02687	0.065824	0.15555	0.076492
0.047811	0.30253	0.071226	0.12428	0.054786	0.23734	0.083965	0.06986	0.099843
-0.01011	0.82751	0.039826	0.39052	0.025295	0.58558	0.038721	0.40381	0.095414
-0.00138	0.97632	0.023234	0.6165	0.016618	0.72021	0.005486	0.90589	0.059336
0.169705	0.00023	0.373276	6.91E-17	0.209933	4.75E-06	0.404668	7.92E-20	0.499451
-0.10153	0.02824	-0.0911	0.04914	-0.0686	0.13881	-0.08215	0.07616	-0.14581
-0.01411	0.76105	0.016539	0.72148	0.008869	0.8484	0.010087	0.8279	0.078947
-0.0762	0.10003	-0.10308	0.02591	-0.07852	0.09009	-0.10668	0.02112	-0.23056
0.091329	0.04856	0.14693	0.00145	0.119311	0.00986	0.129836	0.00495	0.090347
0.020983	0.65107	0.068103	0.1417	0.045092	0.33089	0.064325	0.1652	0.153705
-0.01636	0.72435	-0.0695	0.1337	-0.00371	0.93626	-0.09393	0.04246	-0.20241
0.072079	0.11983	0.023748	0.60872	0.055607	0.23037	0.001899	0.96735	-0.02359
-0.00873	0.85074	0.074435	0.10817	0.032277	0.48654	0.075702	0.10228	0.185118
-0.12422	0.00719	-0.04579	0.32342	-0.07759	0.09399	0.0005	0.99139	-0.05957
-0.01745	0.70679	0.007693	0.86831	0.017232	0.71033	0.009225	0.8424	-0.01702
0.011042	0.81189	0.006366	0.89087	0.011049	0.81178	-0.01318	0.77632	0.133115
0.010142	0.82697	-0.0011	0.98109	0.016044	0.72949	-0.01782	0.70096	-0.03284
-0.01825	0.69405	-0.07351	0.11264	-0.01643	0.7232	-0.11581	0.01227	-0.13827
0.031474	0.49745	0.10376	0.02494	0.054588	0.23904	0.109313	0.01813	0.111122
-0.00774	0.8675	0.03483	0.45272	0.024442	0.5983	0.033453	0.47079	-0.00615
0.082047	0.07651	0.123469	0.00756	0.080689	0.08153	0.129416	0.00509	0.318434
-0.05732	0.21634	0.068641	0.13858	-0.00185	0.96818	0.102169	0.02726	0.200889
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0.000108	0.99814	-0.00091	0.98429	0.02834	0.54126	-0.02643	0.56891	0.088337
0.004429	0.92396	-0.02345	0.61319	0.008681	0.85159	-0.04873	0.29335	0.022454
0.002292	0.9606	-0.01319	0.77624	0.003866	0.9336	-0.01845	0.69085	-0.03449
-0.07056	0.12785	-0.01368	0.76813	-0.04721	0.30864	0.007313	0.87476	0.04638
0.134665	0.00355	0.21607	2.45E-06	0.180935	8.42E-05	0.163225	0.0004	0.4479
-0.0445	0.33726	0.057195	0.21732	0.022874	0.62197	0.064015	0.16725	0.117471
-0.00376	0.93547	-0.00589	0.89901	-0.02185	0.63773	-0.00887	0.84843	0.014802
-0.00794	0.86412	0.046623	0.31472	0.03155	0.49641	0.047144	0.30933	0.184081
0.041492	0.37098	-0.03196	0.49086	0.017933	0.6991	-0.04798	0.30083	-0.05338
-0.02424	0.60129	-0.02559	0.58122	0.025004	0.5899	-0.07856	0.08993	-0.02831
-0.01017	0.82653	-0.00429	0.92629	-0.03583	0.43979	0.027101	0.55908	-0.06174
0.017139	0.71182	-0.04746	0.30605	-0.01441	0.75612	-0.07855	0.08997	-0.03858
0.297511	5.34E-11	0.299116	4.16E-11	0.312109	5.21E-12	0.174467	0.00015	0.298448
0.190101	3.55E-05	0.22299	1.13E-06	0.191188	3.20E-05	0.176443	0.00013	0.254096
-0.04834	0.29723	-0.06483	0.16192	-0.04585	0.32283	-0.06524	0.15925	-0.03642
0.06463	0.1632	0.044849	0.3335	0.023228	0.61659	0.047184	0.30892	0.080612
-0.02337	0.61446	-0.01692	0.71534	-0.02317	0.61751	-0.01252	0.7873	0.013561
-0.09006	0.05177	-0.07027	0.12941	-0.08333	0.072	-0.05122	0.26928	-0.13015
0.054951	0.23594	0.177764	0.00011	0.098149	0.03397	0.194202	2.38E-05	0.353683

0.082971	0.07324	0.066653	0.1504	0.076992	0.09655	0.031739	0.49383	0.098511
0.04504	0.33145	-0.01012	0.82735	0.034036	0.46309	-0.03139	0.49857	-0.0347
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0.113195	0.01439	0.106604	0.02122	0.085324	0.06543	0.091314	0.04859	0.204208
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0.007296	0.87504	-0.17699	0.00012	-0.08291	0.07346	-0.19661	1.88E-05	-0.32883
0.084957	0.0666	-0.02693	0.5616	0.028323	0.54151	-0.05925	0.20125	-0.06047
0.045089	0.33092	0.023604	0.6109	0.031853	0.49228	0.013063	0.77828	0.09992
0.044927	0.33266	-0.02363	0.61045	0.023384	0.61423	-0.05558	0.23064	-0.06935
0.089513	0.05323	0.040477	0.38281	0.069077	0.13608	0.008411	0.85614	0.05612
0.092328	0.04614	-0.03152	0.4968	0.018746	0.68617	-0.07163	0.12218	-0.16135
0.002596	0.95538	0.04126	0.37367	0.015834	0.7329	0.047957	0.30105	0.151012
0.11341	0.0142	0.213271	3.32E-06	0.146789	0.00147	0.19963	1.38E-05	0.282241
0.088083	0.05716	0.003137	0.9461	0.060964	0.18847	-0.03408	0.46253	-0.10075
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0.045286	0.32881	-0.01306	0.77828	0.0282	0.54326	-0.03018	0.51534	-0.06256
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0.031133	0.50212	0.107565	0.02007	0.063113	0.17333	0.120911	0.00891	0.194162
0.039341	0.39632	0.014044	0.76212	0.030962	0.50447	0.001884	0.9676	0.010423
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0.05592	0.22776	0.112714	0.01481	0.072549	0.11743	0.115678	0.01237	0.210712
0.014789	0.74991	0.01012	0.82734	0.027977	0.54645	0.002686	0.95383	-0.00675
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-0.02014	0.66425	-0.00353	0.93933	-0.01646	0.72271	0.011852	0.79837	-0.01158
0.001193	0.97949	0.004242	0.92715	-0.00358	0.93856	0.004786	0.91784	0.021267
-0.03197	0.49074	0.030711	0.50794	0.002025	0.96518	0.036449	0.43198	0.112936
0.031245	0.50058	-0.08748	0.05888	-0.03779	0.41519	-0.10148	0.02832	-0.11632
-0.05451	0.23974	-0.01706	0.71309	-0.03508	0.44945	0.001053	0.98189	0.024473
-0.01364	0.76877	-0.04087	0.37821	-0.01774	0.70217	-0.04176	0.36788	-0.0232
-0.01774	0.70211	0.093019	0.04452	0.045921	0.32207	0.100016	0.0307	0.181522
-0.04582	0.32318	-0.09759	0.03499	-0.04894	0.2912	-0.09353	0.04336	-0.0832
-0.01251	0.78741	0.053375	0.24966	0.051866	0.26332	0.040147	0.3867	0.09403
0.036047	0.43707	0.081306	0.07922	0.048016	0.30046	0.084985	0.06652	0.175425
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0.052017	0.26193	0.024698	0.59447	0.036636	0.42962	0.001156	0.98013	0.12235
0.048364	0.29697	0.00602	0.89676	0.008176	0.86013	0.0186	0.68849	0.040148
0.111404	0.01602	0.148259	0.00131	0.131015	0.00457	0.120703	0.00903	0.173662
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0.072177	0.11933	0.057217	0.21714	0.074343	0.10861	0.029989	0.51797	0.070144
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0.115686	0.01236	0.146014	0.00156	0.082503	0.07489	0.173527	0.00016	0.10847
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0.049563	0.28514	-0.00325	0.94415	0.017841	0.70058	-0.00701	0.87997	0.056741
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0.279009	8.49E-10	0.193826	2.47E-05	0.243358	1.01E-07	0.120353	0.00923	0.066848
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0.125275	0.00672	0.0824	0.07525	0.117318	0.01117	0.029501	0.52481	0.036421
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0.011119	0.8106	0.001376	0.97635	0.010307	0.8242	0.004398	0.92449	0.008436
0.031547	0.49645	0.080427	0.08253	0.048083	0.29979	0.085711	0.06422	0.163232
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0.002711	0.9534	0.053012	0.2529	0.014423	0.75591	0.054222	0.24222	0.132021
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0.041867	0.36667	0.050063	0.2803	0.056376	0.22398	0.03208	0.4892	0.018475
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0.09558	0.03895	0.043565	0.34754	0.053104	0.25208	0.037224	0.42224	-0.01871
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0.001578	0.97286	0.035737	0.44102	0.012886	0.78122	0.058534	0.20672	0.135798
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0.052844	0.25441	0.090039	0.05184	0.064755	0.16239	0.078087	0.09189	0.157773
0.068458	0.13964	0.060042	0.19525	0.051888	0.26311	0.039199	0.39803	0.073546
0.309954	7.40E-12	0.143484	0.00188	0.163135	0.0004	0.106289	0.0216	0.141944
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0.024823	0.5926	0.075756	0.10204	0.060804	0.18963	0.058035	0.21063	0.175931
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0.060338	0.19305	0.093657	0.04308	0.084111	0.06937	0.078314	0.09094	0.116796
0.020808	0.65379	0.077497	0.09438	0.036183	0.43534	0.09654	0.03702	0.180353
0.043103	0.35269	0.085048	0.06631	0.066665	0.15033	0.079445	0.08636	0.103373
0.092186	0.04648	0.128037	0.00559	0.094503	0.04122	0.127447	0.00582	0.175603
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0.019041	0.6815	0.078148	0.09163	0.035906	0.43887	0.100364	0.03012	0.126055
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0.01401	0.76268	0.032785	0.47971	0.021545	0.64237	0.045522	0.3263	0.088685
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0.011658	0.8016	0.039448	0.39504	0.013685	0.76803	0.038216	0.40997	0.015791
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0.07695	0.09673	0.014913	0.74788	0.044983	0.33206	-0.00569	0.90242	0.033998
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0.037653	0.41691	0.007013	0.87987	0.023555	0.61165	-0.01293	0.78056	-0.00332
0.034255	0.46021	0.164723	0.00035	0.117651	0.01094	0.13093	0.0046	0.30553
0.05843	0.20753	0.097187	0.03577	0.063842	0.1684	0.070145	0.13011	0.168958
0.17933	9.76E-05	0.104421	0.02403	0.114367	0.0134	0.074568	0.10754	0.09853
0.039314	0.39665	-0.05134	0.26821	0.011038	0.81196	-0.08124	0.07946	-0.05692
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0.057066	0.21836	0.161647	0.00045	0.094455	0.04132	0.165326	0.00033	0.293666
0.037013	0.42487	-0.03114	0.50204	0.000726	0.98751	-0.06649	0.15137	-0.0173
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-0.03495	0.45118	-0.00626	0.89269	-0.00636	0.89091	-0.02108	0.64959	0.014404

0.011711	0.80073	0.083531	0.07132	0.034175	0.46126	0.089485	0.0533	0.168168
-0.00343	0.94114	-0.03495	0.45121	-0.01352	0.77076	-0.05134	0.26817	-0.04612
-0.02405	0.60415	-0.00316	0.94573	-0.00538	0.90762	-0.01155	0.80341	-0.01966
0.037676	0.41662	0.026851	0.56273	0.029861	0.51976	0.034827	0.45275	0.026246
0.018975	0.68254	-0.07076	0.12675	-0.03683	0.42714	-0.07548	0.10328	-0.06136
0.061188	0.18684	0.10236	0.02697	0.074079	0.10987	0.088904	0.05487	0.170931
0.020873	0.65277	0.034383	0.45854	0.038434	0.40731	0.010808	0.81581	0.15836
-0.04512	0.33063	-0.0138	0.76617	-0.01327	0.77481	-0.01744	0.70692	0.02229
-0.0363	0.43382	-0.04964	0.28436	-0.05292	0.25369	-0.0282	0.54319	-0.01437
-0.01137	0.80647	0.000448	0.9923	5.34E-05	0.99908	0.005451	0.90647	0.07764
-0.11195	0.01551	-0.15018	0.00113	-0.09789	0.03444	-0.16494	0.00034	-0.26992
-0.00292	0.94974	-0.07222	0.11911	-0.002	0.96568	-0.10737	0.0203	-0.16682
0.025272	0.58592	0.043302	0.35046	0.018888	0.68392	0.055628	0.2302	0.192259
0.022932	0.62109	0.077594	0.09396	0.057365	0.21595	0.073619	0.1121	0.136381
-0.00985	0.83192	-0.10043	0.03001	-0.07253	0.11754	-0.09436	0.04152	-0.07208
0.079842	0.08479	-0.06059	0.19119	0.015144	0.74412	-0.09635	0.0374	-0.18807
0.026957	0.56119	-0.05876	0.20497	-0.0092	0.84276	-0.08475	0.06726	-0.10263
0.00172	0.97042	0.002344	0.95971	0.029638	0.52288	-0.01179	0.79938	-0.0136
0.026276	0.57112	-0.05431	0.24149	-0.00615	0.89447	-0.0859	0.06363	-0.18462
-0.00311	0.94658	-0.02349	0.61259	-0.01757	0.70485	-0.01952	0.67395	0.007963
-0.00846	0.85535	-0.00812	0.8611	0.037549	0.4182	-0.04491	0.33281	-0.06743
-0.10143	0.02839	-0.13851	0.0027	-0.10923	0.01822	-0.12114	0.00878	-0.20095
0.011337	0.80697	0.048403	0.29658	0.032683	0.48107	0.042843	0.3556	0.184285
-0.04096	0.37715	0.041125	0.37523	0.019598	0.67272	0.03691	0.42616	0.182173
-0.03848	0.40675	-0.0233	0.61552	-0.01979	0.66974	-0.02258	0.62644	0.006058
-0.02192	0.63665	0.03394	0.46436	0.004015	0.93104	0.047453	0.30617	0.219224
-0.02413	0.60294	0.03687	0.42667	0.027713	0.55025	0.012764	0.78324	0.100461
-0.01646	0.72279	-0.12198	0.00832	-0.0867	0.06118	-0.11073	0.01668	-0.23429
0.040168	0.38646	-0.00115	0.98021	0.037965	0.41306	-0.02411	0.60324	-0.03851
0.034016	0.46336	-0.00326	0.94391	-0.00484	0.9169	-0.00138	0.97629	0.050673
0.039492	0.39451	0.099864	0.03095	0.037828	0.41475	0.121494	0.00858	0.110305
-0.04179	0.3675	0.018847	0.68458	-0.00829	0.85821	0.024639	0.59534	0.014562
-0.1168	0.01154	-0.06702	0.14816	-0.07471	0.10688	-0.06053	0.19164	0.026525
0.017718	0.70254	0.089481	0.05331	0.04963	0.28448	0.095058	0.04004	0.162666
0.017461	0.70666	0.163554	0.00039	0.081242	0.07946	0.189334	3.82E-05	0.216622
-0.05049	0.27617	-0.14731	0.00141	-0.0999	0.03089	-0.15727	0.00065	-0.23453
0.047794	0.30271	-0.04026	0.38531	0.043133	0.35234	-0.08772	0.0582	-0.08904
-0.01784	0.70058	-0.13311	0.00395	-0.08058	0.08194	-0.14594	0.00157	-0.26851
0.085701	0.06425	-0.07821	0.09137	-0.02357	0.61136	-0.10108	0.02895	-0.13247
0.035468	0.44447	0.00398	0.93164	-0.03966	0.39255	0.024608	0.59581	-0.0045
0.055405	0.23208	0.183288	6.77E-05	0.09937	0.0318	0.193991	2.43E-05	0.295813
-0.03396	0.46414	-0.00301	0.94829	-0.03967	0.39237	0.018128	0.69599	0.007032
-0.00652	0.88828	0.010547	0.82017	0.010211	0.82581	0.000254	0.99564	0.033279
0.148463	0.00129	0.126961	0.00601	0.146737	0.00147	0.087216	0.05966	0.176305
0.011732	0.80038	0.028033	0.54565	0.010856	0.81501	0.030276	0.51397	0.113916

0.071401	0.12336	-0.01821	0.69467	0.024436	0.59837	-0.03674	0.42837	-0.03698
-0.01143	0.80537	-0.02506	0.5891	-0.01837	0.69209	-0.02824	0.5427	0.041752
-0.1296	0.00503	-0.20653	6.80E-06	-0.1508	0.00108	-0.20297	9.85E-06	-0.37753
-0.09919	0.03211	-0.02968	0.52235	-0.05769	0.21335	-0.0001	0.9982	0.06478
-0.05984	0.19675	-0.12296	0.00781	-0.02808	0.54502	-0.16105	0.00048	-0.20681
0.080331	0.0829	0.209026	5.23E-06	0.087755	0.0581	0.26118	1.01E-08	0.219128
0.08207	0.07643	-0.10932	0.01812	-0.01898	0.6824	-0.12054	0.00912	-0.26986
0.104484	0.02394	0.013403	0.77268	0.045769	0.32367	-0.01609	0.72873	-0.04825
0.060146	0.19447	-0.00569	0.90242	-0.00077	0.98674	-0.00018	0.9969	-0.03833
0.149644	0.00118	0.031968	0.49072	0.037996	0.41268	0.029615	0.5232	-0.0021
0.006442	0.88958	0.038145	0.41084	0.031757	0.49359	0.032798	0.47953	0.078362
-0.00175	0.96996	-0.10748	0.02018	-0.05568	0.22976	-0.1191	0.00999	-0.16415
4.49E-05	0.99923	0.055104	0.23463	0.002781	0.9522	0.071728	0.12165	0.177495
0.06327	0.17226	0.148248	0.00131	0.093266	0.04396	0.148644	0.00128	0.097573
0.026349	0.57004	0.102424	0.02688	0.077078	0.09617	0.071791	0.12132	0.204821
-0.02438	0.59923	-0.02759	0.55208	-0.02657	0.56685	-0.02626	0.57134	-0.01132
-0.06875	0.13794	-0.00013	0.99782	-0.03051	0.51076	0.018945	0.68303	0.073518
-0.0181	0.69649	0.039094	0.39929	0.005749	0.9014	0.042523	0.3592	0.156007
0.210467	4.49E-06	0.192729	2.75E-05	0.19994	1.34E-05	0.146932	0.00145	0.136035
0.024805	0.59287	0.066112	0.15375	0.044243	0.34009	0.076277	0.09969	0.081545
0.123323	0.00763	0.04922	0.28849	0.135193	0.00342	-0.02298	0.62032	-0.03556
0.055609	0.23036	0.038097	0.41143	0.044891	0.33305	0.030499	0.51087	0.081056
0.050408	0.27699	0.138959	0.00262	0.097396	0.03537	0.133197	0.00393	0.276762
-0.03174	0.4938	0.007035	0.87948	-0.01253	0.78703	0.017119	0.71214	0.118972
0.032795	0.47957	-0.02273	0.62419	0.035941	0.43842	-0.05879	0.20475	-0.13627
0.18208	7.58E-05	0.212575	3.58E-06	0.184816	5.87E-05	0.173302	0.00017	0.268895
-0.07668	0.09791	-0.17295	0.00017	-0.11389	0.0138	-0.17427	0.00015	-0.28871
0.237693	2.02E-07	0.208977	5.26E-06	0.202599	1.02E-05	0.148906	0.00125	0.248876
0.004002	0.93127	-0.01615	0.72775	-0.01552	0.73793	-0.01613	0.72813	-0.03042
0.061234	0.18651	0.270223	2.94E-09	0.098083	0.03409	0.341605	3.15E-14	0.26546
0.112601	0.01491	0.227644	6.64E-07	0.129455	0.00508	0.216004	2.46E-06	0.372803
-0.00374	0.93584	0.022624	0.62579	0.012094	0.79436	0.030553	0.51013	0.137451
-0.00864	0.85232	0.054544	0.23943	0.028372	0.54079	0.051855	0.26342	0.122189
-0.05725	0.21686	-0.09147	0.0482	-0.06499	0.16088	-0.09501	0.04013	-0.16399
0.045005	0.33183	0.034848	0.45249	0.045655	0.32488	0.028232	0.5428	0.062758
-0.00677	0.88398	0.034953	0.45112	0.019918	0.66769	0.030151	0.51571	0.114982
0.019748	0.67036	-0.0367	0.42887	0.011973	0.79637	-0.05858	0.20639	-0.09525
0.015527	0.73788	-0.07997	0.08428	-0.02558	0.58135	-0.09267	0.04533	-0.1493
-0.04792	0.30146	0.000336	0.99422	-0.00814	0.86077	0.008557	0.85368	0.050554
0.075611	0.1027	-0.00591	0.8987	0.020241	0.66263	-0.02222	0.63191	-0.0071
-0.0175	0.70599	-0.06441	0.16462	-0.03076	0.50728	-0.06778	0.14362	-0.10089
0.061465	0.18485	-0.0019	0.96733	0.069945	0.13122	-0.05741	0.21556	-0.03093
0.072479	0.11778	0.039131	0.39885	0.029581	0.52369	0.03717	0.42292	0.148293
-0.03747	0.41916	-0.08175	0.0776	-0.0903	0.05117	-0.04446	0.33771	-0.13613
0.022173	0.63269	0.035681	0.44175	0.022919	0.62128	0.034428	0.45796	0.067958

0.033435	0.47103	0.013413	0.77251	0.020109	0.6647	-0.00169	0.9709	0.131261
-0.03656	0.43061	-0.04885	0.29214	-0.03192	0.49142	-0.04197	0.36545	-0.04272
0.023737	0.60889	-0.07355	0.11244	-0.01262	0.78555	-0.08955	0.05312	-0.09511
0.032187	0.48775	-0.04394	0.34343	0.001383	0.97622	-0.06489	0.16153	-0.04046
0.222291	1.22E-06	0.201739	1.12E-05	0.21784	2.01E-06	0.124656	0.00699	0.289326
0.002236	0.96157	0.011769	0.79976	0.038771	0.4032	-0.02828	0.54218	-0.00158
-0.02062	0.65678	-0.03318	0.4744	-0.00986	0.83172	-0.0418	0.36744	-0.01263
0.034792	0.45321	0.089376	0.05359	0.060102	0.1948	0.074688	0.10697	0.163511
-0.02789	0.54764	-0.02626	0.57131	-0.01319	0.7762	-0.02312	0.61816	-0.01864
-0.0023	0.96039	0.019062	0.68118	-0.01297	0.77983	0.046731	0.3136	0.026771
-0.04166	0.36899	-0.06294	0.1745	-0.04604	0.32084	-0.05779	0.21254	-0.15577
-0.04691	0.31178	-0.07922	0.08727	-0.04146	0.37136	-0.07769	0.09355	-0.20932
-0.03561	0.44266	-0.02169	0.64015	-0.03458	0.45595	0.00671	0.88501	-0.00182
0.054	0.24415	-0.0724	0.11821	-0.01062	0.819	-0.10013	0.0305	-0.20711
-0.01845	0.69082	-0.12362	0.00748	-0.08855	0.05584	-0.117	0.0114	-0.28318
-0.01723	0.71038	-0.12315	0.00772	-0.02078	0.65425	-0.17221	0.00018	-0.25444
0.002885	0.95042	0.042384	0.36078	0.01282	0.78231	0.052201	0.26024	0.146304
0.003144	0.94598	0.064005	0.16732	0.039125	0.39891	0.060821	0.1895	0.181662
0.031477	0.49741	0.045047	0.33136	0.045887	0.32242	0.016948	0.7149	0.143724
0.16034	0.0005	0.025365	0.58454	0.105909	0.02208	-0.051	0.27137	-0.08687
0.021239	0.64709	0.011274	0.80802	0.019961	0.66702	0.002584	0.95558	0.082183
0.054053	0.24369	0.0792	0.08734	0.094645	0.04091	0.042017	0.36496	0.016525
-0.02847	0.53941	0.0311	0.50258	0.00196	0.9663	0.030805	0.50664	0.085632
0.003619	0.93783	0.093148	0.04423	0.034953	0.45113	0.1089	0.01857	0.271685
0.069946	0.13121	0.133009	0.00398	0.110709	0.01669	0.119247	0.0099	0.117279
0.023683	0.6097	0.014774	0.75016	0.028818	0.53445	-0.00279	0.95204	0.01303
0.031767	0.49346	-0.10121	0.02874	0.002277	0.96085	-0.1636	0.00039	-0.1883
-0.04649	0.31613	-0.00209	0.96401	-0.00696	0.88077	0.001887	0.96755	0.05381
0.007402	0.87325	0.029043	0.53126	0.005736	0.90162	0.044224	0.34028	0.044317
0.077953	0.09245	0.009651	0.83523	0.027782	0.54925	0.000719	0.98764	0.008361
0.092753	0.04514	0.171525	0.0002	0.148447	0.00129	0.121739	0.00845	0.420846
-0.05932	0.20071	-0.05713	0.21787	-0.05322	0.25107	-0.05077	0.27355	-0.05451
0.042267	0.36211	0.043963	0.34315	0.038829	0.4025	0.038041	0.41212	0.039455
0.004597	0.92108	0.017437	0.70704	0.014699	0.75138	0.011419	0.8056	0.019593
0.151151	0.00105	0.247141	6.28E-08	0.187866	4.40E-05	0.225852	8.16E-07	0.338932
0.006602	0.88685	-0.01207	0.79467	-0.00287	0.95063	-0.00646	0.88926	0.039999
0.101212	0.02874	0.151106	0.00105	0.128844	0.0053	0.137625	0.00288	0.227525
0.058952	0.2035	0.03056	0.51003	0.032035	0.48981	0.024122	0.60309	0.060646
0.060409	0.19252	0.003663	0.93707	-0.00073	0.98744	0.012179	0.79293	0.053384
0.020079	0.66517	0.029934	0.51873	0.013104	0.77762	0.039398	0.39563	0.09115
-0.00239	0.95888	0.08694	0.06048	0.041833	0.36707	0.077111	0.09603	0.195851
-0.04257	0.35867	-0.00887	0.84833	-0.03166	0.49488	0.008648	0.85214	0.114524
0.07532	0.10403	0.12341	0.00759	0.11039	0.01701	0.11769	0.01092	0.039987
-0.00472	0.91897	0.040859	0.37833	0.024673	0.59483	0.045873	0.32258	0.143131
-0.11006	0.01735	-0.0375	0.41887	-0.07499	0.10557	0.00283	0.95136	-0.12973

0.089577	0.05305	0.11477	0.01307	0.110349	0.01705	0.076949	0.09673	0.369886
-0.0166	0.72058	-0.15787	0.00062	-0.05442	0.24051	-0.21105	4.21E-06	-0.29858
0.097336	0.03548	0.08154	0.07836	0.070794	0.12659	0.068368	0.14016	0.096081
-0.02237	0.62972	-0.03447	0.45742	-0.01746	0.70675	-0.04566	0.32478	-0.02231
0.133437	0.00387	0.038526	0.40618	0.073217	0.11408	0.016642	0.71982	0.116862
0.012277	0.79132	-0.0469	0.31186	-0.05491	0.23632	-0.02915	0.52974	-0.02423
0.14961	0.00118	0.215283	2.67E-06	0.169188	0.00024	0.17455	0.00015	0.434577
-0.03636	0.43304	-0.04166	0.36903	-0.02402	0.60461	-0.0461	0.32021	-0.02818
0.005785	0.90077	0.063516	0.1706	0.046667	0.31425	0.044863	0.33335	0.146986
-0.03203	0.48987	-0.00327	0.94378	-0.00678	0.88378	0.000168	0.99712	0.046115
0.183341	6.74E-05	0.194925	2.22E-05	0.220887	1.43E-06	0.102729	0.02642	0.078985
0.093072	0.0444	0.189323	3.83E-05	0.135839	0.00327	0.162602	0.00042	0.469839
0.097856	0.03451	0.083928	0.06998	0.046356	0.3175	0.094318	0.04162	0.148919
0.053409	0.24936	0.105227	0.02295	0.064347	0.16506	0.10724	0.02045	0.230631
0.016245	0.72624	-0.06375	0.16904	-0.03742	0.41976	-0.05338	0.24959	-0.11137
0.006629	0.88639	0.099184	0.03212	0.071161	0.12463	0.086792	0.06092	0.239016
0.029973	0.5182	0.207864	5.91E-06	0.092937	0.04471	0.232728	3.66E-07	0.397774
0.053711	0.24669	0.19279	2.74E-05	0.078916	0.08848	0.231173	4.40E-07	0.341196
-0.03159	0.4959	-0.10325	0.02567	-0.08493	0.0667	-0.08726	0.05954	-0.12777
0.031104	0.50253	0.070393	0.12876	0.062742	0.17587	0.061686	0.18327	0.145322
0.198656	1.53E-05	0.184867	5.84E-05	0.182259	7.45E-05	0.132049	0.00426	0.19251
0.033216	0.47394	0.070323	0.12914	0.038847	0.40228	0.080004	0.08416	0.212415
0.020879	0.65268	0.144794	0.00171	0.081259	0.07939	0.14829	0.00131	0.277786
0.07151	0.12279	0.031426	0.49811	0.104948	0.02332	-0.0445	0.33725	0.062173
0.134754	0.00353	0.229102	5.60E-07	0.152412	0.00095	0.223024	1.13E-06	0.324659
-0.09319	0.04413	-0.00075	0.98711	-0.0146	0.75297	-0.00768	0.86857	0.004921
0.098142	0.03398	0.163802	0.00038	0.095056	0.04004	0.17179	0.00019	0.457429
0.013969	0.76335	0.104705	0.02365	0.04279	0.3562	0.122939	0.00782	0.204722
0.045599	0.32547	0.116525	0.01174	0.087134	0.0599	0.09478	0.04063	0.17774
-0.0057	0.90225	0.070795	0.12659	0.031363	0.49897	0.082606	0.07452	0.144942
0.172032	0.00019	0.201114	1.19E-05	0.196764	1.85E-05	0.145057	0.00167	0.3191
0.099184	0.03212	0.108015	0.01955	0.090588	0.05042	0.097396	0.03537	0.275902
0.123842	0.00738	0.018806	0.68522	0.10377	0.02493	-0.05452	0.23966	0.018718
0.024356	0.59958	0.061789	0.18254	0.069029	0.13635	0.028216	0.54303	0.125211
0.12917	0.00518	0.253435	2.81E-08	0.188068	4.32E-05	0.232914	3.58E-07	0.365399
0.037162	0.42302	-0.15169	0.00101	-0.08308	0.07287	-0.15776	0.00062	-0.2906
0.167891	0.00027	0.209198	5.13E-06	0.189563	3.74E-05	0.153366	0.00088	0.235789
0.07254	0.11747	0.138557	0.00269	0.102293	0.02707	0.145127	0.00166	0.223716
0.052265	0.25966	0.09896	0.03251	0.083735	0.07063	0.088254	0.05668	0.258569
0.025666	0.58009	0.015164	0.74379	0.026101	0.57369	-0.00217	0.96278	0.008365
0.137346	0.00294	0.085616	0.06451	0.12189	0.00837	0.036283	0.43407	0.083707
0.018245	0.69413	-0.16516	0.00034	-0.07371	0.11168	-0.18723	4.68E-05	-0.28567
0.611937	2.56E-49	0.731516	2.29E-79	0.665324	5.22E-61	0.55005	2.76E-38	0.488119
0.539024	1.49E-36	0.712702	1.28E-73	0.551315	1.73E-38	0.662374	2.67E-60	0.43492
0.470786	3.90E-27	0.813892	#####	0.64976	2.34E-57	0.698643	1.28E-69	0.665837

0.665406	4.99E-61	0.889224	#####	0.704573	2.81E-71	0.794398	#####	0.626393
0.231282	4.34E-07	0.442951	7.31E-24	0.288804	2.01E-10	0.458083	1.33E-25	0.312654
0.481229	1.92E-28	0.719898	9.23E-76	0.688907	5.55E-67	0.481596	1.73E-28	0.403692
0.719389	1.31E-75	0.83179	#####	0.761717	1.10E-89	0.648603	4.29E-57	0.488021
0.473617	1.74E-27	0.729777	8.17E-79	0.536666	3.44E-36	0.699271	8.59E-70	0.457511
0.45643	2.07E-25	0.909634	#####	0.700409	4.15E-70	0.814745	#####	0.532398
0.388152	3.06E-18	0.459186	9.82E-26	0.379668	1.84E-17	0.38138	1.29E-17	0.260973
0.090634	0.0503	0.107594	0.02004	0.098156	0.03395	0.08858	0.05577	0.090047
0.572795	4.54E-42	0.889179	#####	0.786487	2.25E-99	0.666813	2.27E-61	0.516703
0.51483	5.74E-33	0.603011	1.41E-47	0.530116	3.37E-35	0.48403	8.43E-29	0.302857
0.447351	2.33E-24	0.522677	4.24E-34	0.486702	3.81E-29	0.410026	2.32E-20	0.265353
0.721539	2.93E-76	0.897832	#####	0.827146	#####	0.677235	5.89E-64	0.628113
0.477391	5.89E-28	0.621103	3.63E-51	0.565816	7.08E-41	0.460046	7.76E-26	0.461668
0.490557	1.20E-29	0.91455	#####	0.668185	1.05E-61	0.855227	#####	0.593172
0.290449	1.57E-10	0.409903	2.38E-20	0.315928	2.77E-12	0.381716	1.20E-17	0.255493
0.21118	4.16E-06	0.289027	1.95E-10	0.314596	3.46E-12	0.183849	6.43E-05	0.07342
0.551726	1.49E-38	0.837497	#####	0.653468	3.30E-58	0.752173	2.90E-86	0.465413
0.377838	2.70E-17	0.488307	2.36E-29	0.391544	1.47E-18	0.448488	1.73E-24	0.322689
0.738908	9.28E-82	0.857376	#####	0.821233	#####	0.619579	7.45E-51	0.447037
0.309268	8.28E-12	0.408322	3.43E-20	0.488462	2.25E-29	0.158851	0.00057	0.226003
0.243204	1.03E-07	0.417389	4.12E-21	0.284658	3.73E-10	0.408059	3.65E-20	0.37035
0.503218	2.40E-31	0.86624	#####	0.770208	7.19E-93	0.665777	4.05E-61	0.405879
0.58599	2.10E-44	0.826143	#####	0.811632	#####	0.529818	3.73E-35	0.45078
0.314141	3.73E-12	0.458198	1.28E-25	0.374489	5.39E-17	0.376771	3.37E-17	0.408403
0.652748	4.84E-58	0.882966	#####	0.773107	5.47E-94	0.683171	1.77E-65	0.623332
0.398678	3.05E-19	0.511081	1.94E-32	0.40278	1.21E-19	0.460609	6.65E-26	0.360144
0.436895	3.44E-23	0.821223	#####	0.605494	4.69E-48	0.76014	4.13E-89	0.554983
0.543845	2.66E-37	0.830475	#####	0.746381	2.91E-84	0.629384	6.89E-53	0.470902
0.490814	1.11E-29	0.844727	#####	0.764975	6.83E-91	0.626304	3.05E-52	0.426818
0.472281	2.55E-27	0.758984	1.09E-88	0.620221	5.51E-51	0.645099	2.64E-56	0.424973
0.396335	5.13E-19	0.473625	1.74E-27	0.444006	5.56E-24	0.360394	9.05E-16	0.25646
0.085731	0.06416	0.333532	1.35E-13	0.144805	0.0017	0.378085	2.57E-17	0.3923
0.607286	2.10E-48	0.818926	#####	0.794059	#####	0.575669	1.44E-42	0.369208
0.481101	2.00E-28	0.678582	2.68E-64	0.624099	8.77E-52	0.496987	1.68E-30	0.402335
0.514069	7.36E-33	0.674834	2.37E-63	0.579426	3.15E-43	0.565191	9.02E-41	0.345629
0.365663	3.21E-16	0.556035	2.98E-39	0.482948	1.16E-28	0.440665	1.32E-23	0.272808
0.403469	1.04E-19	0.645892	1.75E-56	0.520608	8.49E-34	0.550201	2.61E-38	0.369536
0.565829	7.04E-41	0.69228	6.96E-68	0.646848	1.07E-56	0.503372	2.28E-31	0.550733
0.307066	1.18E-11	0.427685	3.43E-22	0.336397	8.09E-14	0.383761	7.80E-18	0.250092
0.338189	5.86E-14	0.717528	4.77E-75	0.533766	9.50E-36	0.644395	3.79E-56	0.443396
0.527263	8.97E-35	0.837162	#####	0.722354	1.65E-76	0.644498	3.60E-56	0.515288
0.3258	5.21E-13	0.383029	9.11E-18	0.279167	8.30E-10	0.373515	6.58E-17	0.19033
0.280154	7.19E-10	0.479807	2.92E-28	0.373309	6.86E-17	0.410803	1.93E-20	0.418054
0.423605	9.28E-22	0.847549	#####	0.636927	1.67E-54	0.757568	3.53E-88	0.572229
0.522485	4.52E-34	0.700188	4.78E-70	0.563484	1.75E-40	0.601069	3.32E-47	0.420682

0.419493	2.50E-21	0.90462	#####	0.625541	4.40E-52	0.865378	#####	0.657528
0.409839	2.42E-20	0.811882	#####	0.623866	9.81E-52	0.729446	1.04E-78	0.419365
0.479653	3.05E-28	0.837153	#####	0.61553	4.91E-50	0.780317	7.65E-97	0.560609
0.491114	1.01E-29	0.874649	#####	0.638367	8.12E-55	0.815559	#####	0.576703
0.266451	4.95E-09	0.422786	1.13E-21	0.271668	2.41E-09	0.444294	5.16E-24	0.330592
0.521441	6.42E-34	0.892999	#####	0.682964	2.01E-65	0.809139	#####	0.51819
0.362612	5.86E-16	0.452966	5.26E-25	0.403622	1.00E-19	0.335572	9.37E-14	0.46037
0.287425	2.47E-10	0.463029	3.42E-26	0.406377	5.36E-20	0.35391	3.17E-15	0.335668
0.414125	8.90E-21	0.494993	3.10E-30	0.464917	2.03E-26	0.374865	4.99E-17	0.288577
0.443005	7.21E-24	0.602472	1.79E-47	0.607103	2.28E-48	0.377784	2.73E-17	0.443886
0.561862	3.26E-40	0.84934	#####	0.714315	4.30E-74	0.708586	2.01E-72	0.473376
0.611715	2.83E-49	0.752787	1.76E-86	0.708284	2.46E-72	0.558635	1.12E-39	0.395424
0.580921	1.71E-43	0.651286	1.05E-57	0.600419	4.42E-47	0.489858	1.48E-29	0.562355
0.464658	2.18E-26	0.692973	4.53E-68	0.535698	4.83E-36	0.631289	2.72E-53	0.516757
0.441664	1.02E-23	0.586548	1.67E-44	0.47311	2.02E-27	0.504773	1.47E-31	0.424139
0.557601	1.65E-39	0.640524	2.73E-55	0.514465	6.47E-33	0.568552	2.43E-41	0.45252
0.5662	6.09E-41	0.618982	9.85E-51	0.49792	1.26E-30	0.536583	3.54E-36	0.378769
0.435282	5.18E-23	0.803902	#####	0.664915	6.55E-61	0.645408	2.25E-56	0.734307
0.462402	4.07E-26	0.711762	2.41E-73	0.535309	5.54E-36	0.646958	1.01E-56	0.414281
0.545228	1.61E-37	0.83716	#####	0.726333	9.81E-78	0.665501	4.73E-61	0.511171
0.470026	4.84E-27	0.6575	3.81E-59	0.734817	2.00E-80	0.350475	6.08E-15	0.320326
0.56108	4.40E-40	0.781105	3.67E-97	0.694597	1.65E-68	0.591047	2.51E-45	0.600336
0.54967	3.18E-38	0.860138	#####	0.851842	#####	0.56262	2.43E-40	0.456743
0.610095	5.92E-49	0.835215	#####	0.884475	#####	0.513189	9.81E-33	0.340995
0.573465	3.48E-42	0.902762	#####	0.778387	4.55E-96	0.719258	1.44E-75	0.462186
0.532416	1.52E-35	0.92053	#####	0.807263	#####	0.709156	1.38E-72	0.459894
0.450549	1.00E-24	0.448095	1.91E-24	0.249637	4.58E-08	0.51238	1.28E-32	0.46016
0.586915	1.43E-44	0.837596	#####	0.830883	#####	0.562476	2.57E-40	0.370659
0.757409	4.02E-88	0.882037	#####	0.753687	8.51E-87	0.733385	5.80E-80	0.460898
0.561253	4.11E-40	0.944832	#####	0.77411	2.23E-94	0.797058	#####	0.504731
0.545577	1.42E-37	0.82982	#####	0.652792	4.73E-58	0.74943	2.61E-85	0.478959
0.52787	7.29E-35	0.788274	#####	0.591287	2.27E-45	0.748381	6.01E-85	0.494949
0.428845	2.58E-22	0.892622	#####	0.623455	1.19E-51	0.857117	#####	0.51653
0.564622	1.12E-40	0.919282	#####	0.791437	#####	0.708555	2.05E-72	0.674911
0.309421	8.07E-12	0.469388	5.80E-27	0.37504	4.81E-17	0.391921	1.35E-18	0.445498
0.375291	4.57E-17	0.433608	7.88E-23	0.31916	1.62E-12	0.416405	5.20E-21	0.23134
0.239123	1.70E-07	0.475506	1.01E-27	0.307272	1.14E-11	0.479931	2.81E-28	0.414937
0.411824	1.53E-20	0.591096	2.46E-45	0.575008	1.88E-42	0.392796	1.12E-18	0.294329
0.40779	3.88E-20	0.500227	6.13E-31	0.383984	7.44E-18	0.460598	6.67E-26	0.316501
0.366545	2.69E-16	0.428296	2.95E-22	0.335227	9.97E-14	0.376299	3.71E-17	0.254287
0.204565	8.35E-06	0.408351	3.41E-20	0.175183	0.00014	0.50452	1.59E-31	0.310922
0.272203	2.23E-09	0.390105	2.01E-18	0.245855	7.38E-08	0.401944	1.47E-19	0.355117
0.493764	4.51E-30	0.636295	2.29E-54	0.487008	3.48E-29	0.573201	3.86E-42	0.356434
0.596594	2.34E-46	0.736701	4.90E-81	0.618284	1.37E-50	0.630682	3.66E-53	0.497182
0.338211	5.84E-14	0.478391	4.40E-28	0.495701	2.49E-30	0.289	1.95E-10	0.282747



0.290493	1.56E-10	0.426007	5.17E-22	0.347579	1.05E-14	0.378387	2.41E-17	0.201096
0.663167	1.72E-60	0.804369	#####	0.735353	1.34E-80	0.618502	1.23E-50	0.441179
0.430014	1.93E-22	0.783361	4.42E-98	0.575085	1.82E-42	0.745139	7.69E-84	0.51319
0.591585	2.00E-45	0.789907	#####	0.765543	4.19E-91	0.548233	5.39E-38	0.439006
0.484938	6.44E-29	0.735033	1.71E-80	0.583103	6.97E-44	0.621735	2.70E-51	0.544815
0.415337	6.69E-21	0.715488	1.93E-74	0.59241	1.41E-45	0.568543	2.44E-41	0.358604
0.284962	3.56E-10	0.463793	2.77E-26	0.329533	2.73E-13	0.463115	3.34E-26	0.242903
0.55055	2.30E-38	0.649219	3.11E-57	0.554618	5.07E-39	0.53835	1.90E-36	0.466803
0.458141	1.30E-25	0.664202	9.73E-61	0.612933	1.62E-49	0.471323	3.35E-27	0.367131
0.52025	9.56E-34	0.753483	1.00E-86	0.676825	7.48E-64	0.564533	1.16E-40	0.557011
0.36312	5.30E-16	0.471621	3.08E-27	0.387616	3.43E-18	0.404303	8.60E-20	0.264294
0.553196	8.62E-39	0.924056	#####	0.713265	8.76E-74	0.816728	#####	0.608202
0.476175	8.36E-28	0.828015	#####	0.619086	9.38E-51	0.761139	1.78E-89	0.476547
0.690525	2.06E-67	0.927425	#####	0.756766	6.84E-88	0.81	#####	0.540871
0.541109	7.10E-37	0.652139	6.68E-58	0.530144	3.34E-35	0.582758	8.03E-44	0.369582
0.55569	3.39E-39	0.825113	#####	0.743554	2.64E-83	0.624721	6.52E-52	0.554614
0.548871	4.26E-38	0.912642	#####	0.767241	9.65E-92	0.758966	1.10E-88	0.484978
0.385772	5.09E-18	0.530743	2.71E-35	0.536957	3.10E-36	0.324757	6.24E-13	0.497885
0.480351	2.49E-28	0.932415	#####	0.729362	1.10E-78	0.794239	#####	0.6805
0.362164	6.40E-16	0.458364	1.23E-25	0.400753	1.92E-19	0.386344	4.50E-18	0.295364
0.5763	1.12E-42	0.766295	2.19E-91	0.646504	1.28E-56	0.625071	5.52E-52	0.492104
0.743271	3.28E-83	0.867011	#####	0.82389	#####	0.609194	8.90E-49	0.696978
0.482483	1.33E-28	0.725026	2.50E-77	0.60761	1.82E-48	0.591987	1.68E-45	0.584114
0.357191	1.69E-15	0.563609	1.66E-40	0.47542	1.04E-27	0.453739	4.28E-25	0.423395
0.584147	4.53E-44	0.608753	1.09E-48	0.557107	1.99E-39	0.460945	6.07E-26	0.510943
0.298203	4.79E-11	0.48907	1.87E-29	0.383808	7.72E-18	0.424148	8.13E-22	0.346836
0.413567	1.01E-20	0.429305	2.30E-22	0.400402	2.07E-19	0.303708	2.02E-11	0.371535
0.472216	2.60E-27	0.868129	#####	0.677912	3.97E-64	0.747924	8.63E-85	0.52661
0.420523	1.95E-21	0.491249	9.70E-30	0.411826	1.52E-20	0.436848	3.49E-23	0.309702
0.630363	4.27E-53	0.938226	#####	0.794391	#####	0.766497	1.84E-91	0.523392
0.617625	1.86E-50	0.808932	#####	0.692041	8.07E-68	0.655582	1.07E-58	0.531502
0.598864	8.72E-47	0.924504	#####	0.834665	#####	0.69706	3.50E-69	0.53537
0.532776	1.34E-35	0.562239	2.82E-40	0.523437	3.28E-34	0.413795	9.62E-21	0.482436
0.341132	3.44E-14	0.442167	8.95E-24	0.309775	7.62E-12	0.454613	3.38E-25	0.281265
0.415466	6.49E-21	0.552688	1.04E-38	0.461243	5.59E-26	0.465393	1.78E-26	0.277672
0.35359	3.37E-15	0.5645	1.18E-40	0.541936	5.28E-37	0.392992	1.07E-18	0.313563
0.291027	1.44E-10	0.501381	4.27E-31	0.4184	3.24E-21	0.402775	1.22E-19	0.455599
0.354831	2.66E-15	0.511294	1.82E-32	0.379896	1.76E-17	0.471194	3.48E-27	0.468169
0.42827	2.97E-22	0.78259	9.14E-98	0.642044	1.26E-55	0.653899	2.63E-58	0.454374
0.503682	2.07E-31	0.527887	7.24E-35	0.806443	#####	0.03223	0.48717	0.131889
0.297222	5.58E-11	0.305422	1.54E-11	0.488278	2.38E-29	0.015092	0.74496	0.077801
0.374397	5.49E-17	0.535934	4.45E-36	0.58583	2.25E-44	0.270524	2.82E-09	0.394229
0.368376	1.86E-16	0.281648	5.79E-10	0.427247	3.82E-22	0.053992	0.24422	0.071193
0.361417	7.41E-16	0.513505	8.85E-33	0.54363	2.87E-37	0.317887	2.00E-12	0.320551
0.397774	3.73E-19	0.386309	4.54E-18	0.483491	9.88E-29	0.170899	0.00021	0.344004

0.616087	3.79E-50	0.576746	9.32E-43	0.700801	3.23E-70	0.289776	1.74E-10	0.249565
0.54657	9.89E-38	0.473479	1.81E-27	0.51082	2.12E-32	0.328037	3.54E-13	0.278914
0.591127	2.43E-45	0.699011	1.01E-69	0.860843	#####	0.283089	4.69E-10	0.294548
0.379272	2.00E-17	0.405987	5.86E-20	0.428889	2.55E-22	0.277914	9.93E-10	0.176337
0.387588	3.45E-18	0.397637	3.85E-19	0.429761	2.05E-22	0.247554	5.96E-08	0.180764
0.311334	5.91E-12	0.342941	2.47E-14	0.529826	3.72E-35	0.007568	0.87043	0.055323
0.510961	2.02E-32	0.495481	2.67E-30	0.559542	7.90E-40	0.293065	1.06E-10	0.20295
0.38063	1.51E-17	0.411277	1.73E-20	0.453099	5.08E-25	0.234415	3.00E-07	0.218694
0.712839	1.17E-73	0.719558	1.17E-75	0.812158	#####	0.395126	6.70E-19	0.464465
0.863116	#####	0.835987	#####	0.905747	#####	0.514256	6.92E-33	0.415299
0.614758	7.01E-50	0.66128	4.87E-60	0.797215	#####	0.306546	1.28E-11	0.318669
0.750134	1.49E-85	0.659802	1.09E-59	0.832784	#####	0.298085	4.88E-11	0.242557
0.510175	2.61E-32	0.527679	7.78E-35	0.569632	1.59E-41	0.314423	3.56E-12	0.500674
0.444306	5.15E-24	0.535173	5.81E-36	0.606156	3.49E-48	0.286752	2.73E-10	0.38754
0.70497	2.17E-71	0.724924	2.68E-77	0.77607	3.78E-95	0.453543	4.51E-25	0.477235
0.740425	2.93E-82	0.800502	#####	0.864269	#####	0.467534	9.76E-27	0.499424
0.741792	1.03E-82	0.818294	#####	0.887559	#####	0.48793	2.64E-29	0.354905
0.409734	2.48E-20	0.313031	4.48E-12	0.448219	1.85E-24	0.100342	0.03015	0.183606
0.667734	1.36E-61	0.849111	#####	0.862518	#####	0.544503	2.09E-37	0.434176
0.354131	3.04E-15	0.40965	2.53E-20	0.467844	8.95E-27	0.219438	1.69E-06	0.316443
0.377374	2.97E-17	0.406328	5.42E-20	0.394436	7.80E-19	0.307789	1.05E-11	0.281359
0.564351	1.25E-40	0.658054	2.82E-59	0.681931	3.71E-65	0.407899	3.78E-20	0.340251
0.19813	1.61E-05	0.228317	6.14E-07	0.37175	9.43E-17	-0.01804	0.69733	0.046092
0.678254	3.25E-64	0.878288	#####	0.885115	#####	0.558588	1.14E-39	0.42515
0.365417	3.37E-16	0.462376	4.09E-26	0.484652	7.01E-29	0.28231	5.26E-10	0.300389
0.660638	6.92E-60	0.771508	2.28E-93	0.833658	#####	0.433965	7.21E-23	0.419905
0.764492	1.03E-90	0.635622	3.20E-54	0.815953	#####	0.278475	9.17E-10	0.250322
0.704686	2.61E-71	0.729499	1.00E-78	0.834724	#####	0.396903	4.52E-19	0.294848
0.400943	1.84E-19	0.481028	2.04E-28	0.533329	1.11E-35	0.274025	1.73E-09	0.172352
0.535721	4.79E-36	0.516824	2.98E-33	0.551772	1.46E-38	0.343389	2.27E-14	0.485939
0.503578	2.14E-31	0.495783	2.43E-30	0.50842	4.58E-32	0.345119	1.65E-14	0.258295
0.46007	7.71E-26	0.473288	1.92E-27	0.619156	9.08E-51	0.172869	0.00017	0.178334
0.496686	1.84E-30	0.504921	1.40E-31	0.560435	5.62E-40	0.297301	5.51E-11	0.37067
0.472373	2.49E-27	0.623747	1.04E-51	0.694916	1.35E-68	0.347914	9.83E-15	0.278658
0.510044	2.72E-32	0.552572	1.09E-38	0.551154	1.84E-38	0.368781	1.72E-16	0.361262
0.655884	9.08E-59	0.60813	1.44E-48	0.861258	#####	0.123925	0.00734	0.356268
0.644739	3.18E-56	0.672682	8.19E-63	0.706329	8.92E-72	0.447936	2.00E-24	0.350373
0.668929	6.92E-62	0.753478	1.01E-86	0.843574	#####	0.430548	1.69E-22	0.327983
0.607182	2.20E-48	0.807213	#####	0.905903	#####	0.406464	5.26E-20	0.350418
0.559219	8.93E-40	0.613693	1.14E-49	0.679775	1.33E-64	0.34528	1.60E-14	0.282745
0.358133	1.41E-15	0.479573	3.12E-28	0.504235	1.74E-31	0.319934	1.42E-12	0.208738
0.685707	3.87E-66	0.732796	8.95E-80	0.86777	#####	0.355852	2.18E-15	0.386978
0.419195	2.68E-21	0.522091	5.16E-34	0.616256	3.51E-50	0.253311	2.85E-08	0.221651
0.642037	1.27E-55	0.632107	1.82E-53	0.741328	1.47E-82	0.306538	1.29E-11	0.399345
0.623333	1.26E-51	0.508722	4.16E-32	0.754184	5.68E-87	0.113345	0.01426	0.135339

0.370072	1.32E-16	0.332916	1.50E-13	0.405932	5.94E-20	0.17534	0.00014	0.130113
0.342729	2.57E-14	0.35003	6.61E-15	0.403448	1.04E-19	0.175665	0.00014	0.324352
0.435198	5.29E-23	0.341741	3.07E-14	0.510234	2.56E-32	0.084571	0.06785	0.071934
0.460926	6.10E-26	0.388988	2.55E-18	0.505561	1.14E-31	0.170249	0.00022	0.16594
0.42804	3.14E-22	0.35937	1.11E-15	0.554192	5.94E-39	0.043068	0.35307	0.131294
0.274726	1.56E-09	0.375236	4.62E-17	0.449915	1.18E-24	0.162986	0.00041	0.103248
0.315028	3.22E-12	0.299733	3.78E-11	0.437003	3.35E-23	0.049981	0.28109	0.376101
0.5721	5.99E-42	0.654165	2.28E-58	0.860265	#####	0.199573	1.39E-05	0.216262
0.547715	6.51E-38	0.512523	1.22E-32	0.714664	3.39E-74	0.132809	0.00404	0.17271
0.378334	2.44E-17	0.333531	1.35E-13	0.416545	5.03E-21	0.164559	0.00036	0.177262
0.390898	1.69E-18	0.427771	3.36E-22	0.496734	1.81E-30	0.239314	1.66E-07	0.362011
0.727838	3.33E-78	0.585137	3.00E-44	0.769528	1.31E-92	0.230871	4.56E-07	0.215647
0.401021	1.81E-19	0.503132	2.46E-31	0.533193	1.16E-35	0.312202	5.13E-12	0.336934
0.352106	4.46E-15	0.326842	4.35E-13	0.472237	2.58E-27	0.080895	0.08075	0.131997
0.531104	2.40E-35	0.51137	1.77E-32	0.656844	5.42E-59	0.207602	6.08E-06	0.177117
0.284901	3.59E-10	0.306205	1.36E-11	0.457769	1.44E-25	0.037012	0.42489	0.105614
0.661182	5.14E-60	0.641188	1.95E-55	0.751623	4.52E-86	0.330369	2.35E-13	0.261222
0.659435	1.33E-59	0.673185	6.14E-63	0.714296	4.35E-74	0.44134	1.11E-23	0.307259
0.562484	2.57E-40	0.579542	3.00E-43	0.602	2.21E-47	0.364572	3.98E-16	0.544918
0.652171	6.57E-58	0.728427	2.17E-78	0.695678	8.36E-69	0.556668	2.35E-39	0.392154
0.429896	1.99E-22	0.562443	2.61E-40	0.654882	1.55E-58	0.275975	1.31E-09	0.257725
0.379831	1.78E-17	0.51216	1.37E-32	0.51802	2.01E-33	0.341521	3.20E-14	0.249636
0.391483	1.49E-18	0.414152	8.85E-21	0.433272	8.58E-23	0.26661	4.85E-09	0.382775
0.482491	1.33E-28	0.44199	9.37E-24	0.550998	1.95E-38	0.192128	2.92E-05	0.25368
0.576374	1.08E-42	0.531592	2.02E-35	0.758355	1.83E-88	0.123746	0.00742	0.22112
0.821841	#####	0.73895	8.99E-82	0.935352	#####	0.310446	6.84E-12	0.282386
0.49348	4.92E-30	0.538925	1.55E-36	0.765904	3.07E-91	0.115945	0.01216	0.136945
0.520789	7.99E-34	0.572582	4.94E-42	0.801139	#####	0.129652	0.00501	0.284132
0.3985	3.17E-19	0.40545	6.63E-20	0.607718	1.73E-48	0.040085	0.38744	0.181757
0.72778	3.47E-78	0.75559	1.80E-87	0.815178	#####	0.476012	8.77E-28	0.453971
0.621844	2.56E-51	0.654535	1.87E-58	0.847295	#####	0.243098	1.04E-07	0.23389
0.731306	2.68E-79	0.815502	#####	0.859387	#####	0.514245	6.95E-33	0.376216
0.557458	1.74E-39	0.509403	3.34E-32	0.772898	6.60E-94	0.066457	0.1516	0.16639
0.381202	1.34E-17	0.478712	4.01E-28	0.551663	1.52E-38	0.245331	7.89E-08	0.384969
0.678057	3.65E-64	0.771187	3.03E-93	0.829765	#####	0.456789	1.88E-25	0.419626
0.564743	1.07E-40	0.48934	1.73E-29	0.737532	2.62E-81	0.083529	0.07133	0.228115
0.656122	8.00E-59	0.811977	#####	0.893091	#####	0.45737	1.61E-25	0.412857
0.574472	2.33E-42	0.763639	2.14E-90	0.900343	#####	0.344604	1.82E-14	0.286184
0.801207	#####	0.693215	3.90E-68	0.921296	#####	0.245944	7.30E-08	0.227125
0.64545	2.20E-56	0.853032	#####	0.894726	#####	0.529361	4.37E-35	0.400316
0.480492	2.39E-28	0.524244	2.50E-34	0.761594	1.22E-89	0.109335	0.0181	0.149468
0.522211	4.96E-34	0.553049	9.10E-39	0.756038	1.25E-87	0.120238	0.0093	0.345199
0.584644	3.68E-44	0.79156	#####	0.781352	2.91E-97	0.541562	6.04E-37	0.367489
0.699265	8.63E-70	0.721586	2.84E-76	0.887506	#####	0.286915	2.67E-10	0.444884
0.680229	1.02E-64	0.792802	#####	0.809773	#####	0.493099	5.53E-30	0.500219

0.468248	7.99E-27	0.493878	4.36E-30	0.740507	2.75E-82	0.06635	0.15226	0.119235
0.735336	1.36E-80	0.624533	7.13E-52	0.850871	#####	0.198372	1.57E-05	0.269262
0.582853	7.72E-44	0.868909	#####	0.902199	#####	0.525206	1.81E-34	0.376113
0.648955	3.57E-57	0.677873	4.06E-64	0.826048	#####	0.260281	1.14E-08	0.577381
0.593028	1.08E-45	0.854951	#####	0.919508	#####	0.47948	3.21E-28	0.357765
0.620229	5.49E-51	0.745177	7.47E-84	0.908245	#####	0.311918	5.37E-12	0.271476
0.327772	3.71E-13	0.384332	6.91E-18	0.480063	2.71E-28	0.152789	0.00092	0.129432
0.3365	7.94E-14	0.29024	1.62E-10	0.44216	8.97E-24	0.043818	0.34475	0.090256
0.600337	4.58E-47	0.634268	6.27E-54	0.807048	#####	0.231549	4.21E-07	0.253667
0.363431	4.99E-16	0.390586	1.81E-18	0.392895	1.09E-18	0.276991	1.13E-09	0.266889
0.440976	1.22E-23	0.541012	7.35E-37	0.572296	5.54E-42	0.326826	4.37E-13	0.252545
0.414532	8.09E-21	0.412805	1.21E-20	0.511702	1.59E-32	0.182012	7.63E-05	0.251259
0.444841	4.48E-24	0.397176	4.26E-19	0.463592	2.93E-26	0.207295	6.28E-06	0.299004
0.720588	5.71E-76	0.78556	5.47E-99	0.944879	#####	0.35743	1.61E-15	0.295494
0.537691	2.39E-36	0.476876	6.83E-28	0.632156	1.78E-53	0.180009	9.17E-05	0.328867
0.725285	2.07E-77	0.656661	5.98E-59	0.801995	#####	0.30748	1.10E-11	0.302288
0.251464	3.62E-08	0.257042	1.75E-08	0.394961	6.95E-19	0.012034	0.79535	0.037951
0.625854	3.79E-52	0.795767	#####	0.885574	#####	0.409623	2.54E-20	0.320202
0.356867	1.80E-15	0.455509	2.66E-25	0.485349	5.70E-29	0.25486	2.33E-08	0.301828
-0.00973	0.83385	0.006244	0.89294	-0.00092	0.9841	0.013115	0.77743	0.035608
0.526881	1.02E-34	0.381819	1.18E-17	0.565351	8.47E-41	0.106523	0.02131	0.122646
0.284053	4.07E-10	0.275161	1.47E-09	0.437098	3.27E-23	0.014138	0.76058	0.063771
0.708162	2.66E-72	0.559176	9.08E-40	0.82262	#####	0.121533	0.00856	0.164294
0.440739	1.29E-23	0.423617	9.25E-22	0.503195	2.41E-31	0.210819	4.32E-06	0.215841
0.574669	2.15E-42	0.670454	2.92E-62	0.687287	1.49E-66	0.451824	7.14E-25	0.399591
0.466697	1.23E-26	0.413824	9.56E-21	0.549553	3.32E-38	0.164056	0.00037	0.263311
0.353817	3.22E-15	0.354134	3.03E-15	0.462015	4.52E-26	0.122142	0.00823	0.192085
0.657339	4.15E-59	0.593732	8.00E-46	0.732599	1.03E-79	0.25854	1.44E-08	0.33208
0.3832	8.78E-18	0.422712	1.15E-21	0.454655	3.35E-25	0.259102	1.33E-08	0.206898
0.584973	3.21E-44	0.710925	4.23E-73	0.765363	4.89E-91	0.415719	6.12E-21	0.416888
0.453772	4.24E-25	0.455698	2.53E-25	0.500201	6.18E-31	0.265961	5.30E-09	0.219031
0.574232	2.56E-42	0.682642	2.43E-65	0.659119	1.58E-59	0.514839	5.72E-33	0.34519
0.549167	3.82E-38	0.572936	4.29E-42	0.538206	1.99E-36	0.43623	4.08E-23	0.293583
0.474745	1.26E-27	0.54697	8.55E-38	0.571864	6.58E-42	0.35093	5.58E-15	0.305835
0.388089	3.10E-18	0.359603	1.06E-15	0.410143	2.25E-20	0.199581	1.39E-05	0.178733
0.335547	9.42E-14	0.354557	2.80E-15	0.509178	3.59E-32	0.0744	0.10834	0.068934
0.341608	3.15E-14	0.275865	1.33E-09	0.424728	7.06E-22	0.049864	0.28222	0.056549
0.79814	#####	0.782438	1.05E-97	0.885021	#####	0.414355	8.43E-21	0.315385
0.421877	1.41E-21	0.406689	4.99E-20	0.508655	4.25E-32	0.195388	2.12E-05	0.153398
0.754517	4.33E-87	0.782607	8.99E-98	0.847336	#####	0.476547	7.51E-28	0.349995
0.392322	1.24E-18	0.317112	2.28E-12	0.445405	3.87E-24	0.100642	0.02966	0.258159
0.614187	9.12E-50	0.680706	7.67E-65	0.687249	1.52E-66	0.479839	2.89E-28	0.356859
0.66414	1.01E-60	0.612133	2.34E-49	0.768537	3.12E-92	0.274437	1.63E-09	0.298625
0.781128	3.59E-97	0.762342	6.46E-90	0.933952	#####	0.340832	3.63E-14	0.298298
0.521848	5.60E-34	0.43886	2.09E-23	0.586832	1.48E-44	0.18094	8.42E-05	0.185951

0.720108	7.97E-76	0.734769	2.08E-80	0.947695	#####	0.266364	5.01E-09	0.279172
0.488538	2.20E-29	0.563682	1.62E-40	0.614495	7.91E-50	0.323278	8.04E-13	0.363264
0.781633	2.24E-97	0.712434	1.54E-73	0.89432	#####	0.299616	3.85E-11	0.266369
-0.03988	0.38985	0.024316	0.60018	-0.01303	0.77883	0.040076	0.38754	0.132555
0.017473	0.70646	0.156478	0.00069	0.061282	0.18616	0.182137	7.54E-05	0.376932
-0.00162	0.97219	0.070182	0.12991	0.028073	0.54508	0.095657	0.03879	0.161409
-0.06669	0.1502	0.036777	0.42784	-0.01338	0.77299	0.065872	0.15525	0.065884
0.074086	0.10984	0.068142	0.14147	0.061304	0.18601	0.065335	0.15865	-0.0004
-0.05505	0.23508	-0.15562	0.00074	-0.09413	0.04202	-0.16183	0.00045	-0.24161
-0.09914	0.0322	-0.04055	0.38195	-0.09351	0.04341	0.012463	0.78822	-0.04732
-0.04424	0.34011	0.028995	0.53195	-0.01546	0.73891	0.05617	0.22568	0.093956
-0.08262	0.07447	-0.0668	0.14951	-0.0835	0.07142	-0.03126	0.50035	-0.10823
-0.01765	0.70358	0.024488	0.59761	-0.02594	0.57599	0.064362	0.16496	0.156247
-0.12353	0.00753	-0.04942	0.28655	-0.0575	0.2149	-0.02924	0.52852	-0.06931
0.050158	0.27939	0.220372	1.52E-06	0.09996	0.03079	0.249383	4.73E-08	0.317517
-0.04856	0.29505	0.003684	0.93671	-0.00051	0.99129	0.013674	0.7682	0.095831
-0.01559	0.7369	0.013904	0.76443	-0.00863	0.85245	0.037726	0.41601	0.078339
0.037083	0.424	0.043093	0.35279	0.01595	0.73101	0.062767	0.1757	0.006295
-0.05288	0.2541	0.0715	0.12284	0.009656	0.83514	0.097784	0.03464	0.172988
-0.08292	0.07343	0.03599	0.43779	-0.02046	0.65919	0.069093	0.13599	0.216908
-0.08928	0.05384	0.048273	0.29788	-0.0303	0.51361	0.104422	0.02403	0.117178
-0.11517	0.01276	-0.09506	0.04004	-0.0959	0.03829	-0.07092	0.12589	-0.1147
-0.01102	0.81232	-0.07389	0.11076	-0.01347	0.77163	-0.09335	0.04376	-0.10436
-0.0045	0.92281	-0.03329	0.47297	-0.015	0.74654	-0.02912	0.53021	0.012652
-0.02486	0.59211	0.010723	0.81724	0.031735	0.49389	0.005087	0.9127	0.017272
-0.12225	0.00818	0.009419	0.83914	-0.05954	0.19901	0.051972	0.26234	0.091629
0.025195	0.58707	-0.13296	0.004	-0.0703	0.12927	-0.12775	0.0057	-0.2208
-0.09167	0.04772	-0.13963	0.00249	-0.1261	0.00636	-0.09861	0.03314	-0.21649
0.104798	0.02352	0.187865	4.40E-05	0.146349	0.00152	0.171307	0.0002	0.274694
-0.0606	0.19114	-0.06638	0.15208	-0.08083	0.081	-0.03699	0.42516	-0.10877
-0.10699	0.02075	-0.1297	0.005	-0.14662	0.00149	-0.07061	0.12756	-0.16495
0.02924	0.52848	0.089202	0.05406	0.059697	0.19783	0.092209	0.04642	0.126662
-0.06928	0.13493	-0.1025	0.02676	-0.09567	0.03876	-0.08353	0.07131	-0.11711
-0.06518	0.15962	-0.01388	0.76481	-0.02175	0.63916	0.005758	0.90124	-0.04752
-0.05205	0.26163	0.033873	0.46523	0.014107	0.76109	0.040274	0.3852	0.057328
-0.03252	0.48327	-0.10004	0.03066	-0.03823	0.40977	-0.09804	0.03417	-0.25098
0.011943	0.79687	0.064152	0.16634	0.064466	0.16428	0.057861	0.212	0.059442
-0.10906	0.0184	-0.00472	0.91895	-0.07208	0.11983	0.042502	0.35944	0.052836
-0.02329	0.61565	0.107333	0.02034	0.039352	0.39619	0.120354	0.00923	0.183008
0.014212	0.75937	-0.03123	0.50085	-0.00496	0.91487	-0.04399	0.34288	-0.03117
-0.05325	0.25076	-0.06131	0.18594	-0.0403	0.38493	-0.04848	0.29579	-0.19555
0.027939	0.547	-0.03829	0.40912	-0.024	0.60492	-0.01807	0.697	-0.07639
0.008511	0.85446	0.166207	0.00031	0.081615	0.07808	0.180295	8.93E-05	0.247741
0.007197	0.87673	0.069818	0.13192	0.016543	0.72143	0.089419	0.05348	0.030785
-0.10662	0.02119	-0.10968	0.01774	-0.12272	0.00793	-0.07581	0.10179	-0.12898

-0.08361	0.07104	0.002183	0.96248	-0.02581	0.57795	0.02629	0.57091	0.058854
-0.07232	0.11858	0.011128	0.81046	0.007436	0.87267	0.010802	0.8159	0.042883
-0.12097	0.00888	-0.1485	0.00129	-0.11414	0.01359	-0.12277	0.0079	-0.1349
-0.07371	0.11167	-0.03035	0.51296	-0.06441	0.16462	0.008457	0.85538	0.007681
-0.12416	0.00722	-0.21469	2.84E-06	-0.16385	0.00038	-0.19395	2.44E-05	-0.33276
-0.06444	0.16444	0.073466	0.11285	0.004905	0.9158	0.110624	0.01678	0.178902
-0.03357	0.46928	0.064546	0.16375	0.013228	0.77557	0.085214	0.06578	0.074304
-0.07302	0.11508	0.073184	0.11425	-0.01241	0.78905	0.108848	0.01863	0.181668
-0.05619	0.2255	0.087184	0.05976	0.02707	0.55954	0.099513	0.03155	0.193867
-0.13946	0.00252	-0.03869	0.40423	-0.08557	0.06466	0.002394	0.95886	-0.00095
-0.10782	0.01978	-0.05751	0.2148	-0.09029	0.05118	-0.02536	0.58458	-0.06899
-0.07416	0.1095	-0.04791	0.30149	-0.07134	0.12371	-0.01431	0.7578	-0.13287
-0.04378	0.34521	0.023281	0.61578	-0.05253	0.25723	0.082112	0.07628	0.062676
-0.00106	0.98173	-0.00573	0.90164	-0.00624	0.89295	-0.00016	0.99725	0.018003
0.023013	0.61987	0.10776	0.01984	0.089011	0.05458	0.088654	0.05556	0.14448
-0.01487	0.74864	0.007583	0.87017	-0.00498	0.9145	0.013316	0.77411	0.04829
-0.00099	0.98304	-0.1181	0.01064	-0.03099	0.50413	-0.14787	0.00135	-0.18537
0.043574	0.34744	0.083084	0.07285	0.094298	0.04166	0.056159	0.22578	0.157191
-0.01122	0.80897	-0.11474	0.0131	-0.04087	0.37816	-0.12651	0.00619	-0.21451
-0.06797	0.14249	0.068026	0.14215	-0.00978	0.83301	0.100447	0.02998	0.104957
-0.09469	0.04081	-0.05314	0.25177	-0.07909	0.08778	-0.0088	0.84962	-0.10604
0.13105	0.00456	0.251441	3.63E-08	0.171376	0.0002	0.250813	3.94E-08	0.368925
-0.00584	0.8998	0.093396	0.04366	0.034236	0.46046	0.105398	0.02273	0.203588
-0.07562	0.10267	-0.15623	0.0007	-0.10669	0.02111	-0.14895	0.00125	-0.22679
-0.0648	0.16208	0.108033	0.01953	0.003495	0.93996	0.155775	0.00073	0.246903
-0.0492	0.28871	-0.1892	3.87E-05	-0.10618	0.02173	-0.18948	3.77E-05	-0.39466
-0.03727	0.42167	-0.08942	0.05347	-0.0995	0.03157	-0.04424	0.3401	-0.05863
-0.05809	0.21023	0.000517	0.9911	-0.04274	0.35675	0.030918	0.50509	0.095917
0.003717	0.93615	-0.13262	0.00409	-0.07877	0.08907	-0.12901	0.00524	-0.16451
0.072549	0.11743	0.036218	0.43489	0.024338	0.59985	0.041005	0.37663	0.083039
-0.05996	0.19586	-0.00336	0.94224	-0.0286	0.53757	0.001412	0.97573	0.036873
0.017952	0.6988	-0.0107	0.81764	-0.02983	0.52019	0.009984	0.82963	-0.03453
-0.10182	0.02779	-0.06496	0.16104	-0.05464	0.23857	-0.05693	0.21946	-0.11628
-0.04975	0.28331	0.093824	0.0427	0.001695	0.97086	0.137826	0.00284	0.153629
-0.00827	0.85851	0.06278	0.17561	0.019102	0.68054	0.071832	0.12111	0.11851
0.012809	0.78248	-0.04501	0.33177	-0.01737	0.70818	-0.0416	0.36973	-0.07929
0.03417	0.46134	0.095582	0.03895	0.068376	0.14011	0.099447	0.03166	0.099483
-0.03304	0.47627	0.074136	0.1096	0.014145	0.76047	0.111017	0.01639	0.172524
-0.08532	0.06545	-0.03631	0.4337	-0.06402	0.16725	-0.01387	0.76493	0.020629
-0.05299	0.25311	-0.00028	0.99519	-0.02093	0.65182	0.01024	0.82532	0.006437
-0.10233	0.02702	0.051188	0.26962	0.00137	0.97644	0.067447	0.14559	0.126488
-0.13011	0.00486	-0.02308	0.61888	-0.08539	0.06524	0.021446	0.64389	0.044645
-0.00809	0.86162	0.052878	0.2541	0.006417	0.89001	0.079036	0.08799	0.103371
-0.12592	0.00644	-0.12488	0.00689	-0.0983	0.03369	-0.11581	0.01226	-0.1963
-0.10839	0.01913	-0.04976	0.28324	-0.08541	0.06517	-0.00728	0.87539	-0.01757

-0.05559	0.23052	0.065252	0.15918	-0.01228	0.7912	0.116326	0.01188	0.121867
-0.01918	0.67936	0.12712	0.00594	0.047325	0.30747	0.147327	0.00141	0.230649
0.031723	0.49405	0.131992	0.00427	0.080657	0.08165	0.138741	0.00266	0.253182
-0.01826	0.69387	-0.07553	0.10306	-0.07331	0.11363	-0.03581	0.44007	-0.09653
-0.0691	0.13594	-0.0917	0.04765	-0.10304	0.02597	-0.04923	0.28837	-0.03394
-0.01396	0.76352	0.117867	0.0108	0.036052	0.43701	0.145749	0.00159	0.24746
0.045184	0.3299	-0.09081	0.04986	-0.011	0.81265	-0.12145	0.00861	-0.09988
0.015954	0.73095	0.095671	0.03877	0.052383	0.25858	0.113529	0.0141	0.159661
-0.08267	0.07429	-0.15882	0.00057	-0.09016	0.05151	-0.15583	0.00073	-0.24604

p.MMred	MMbisque	p.MMbisc	MMmediu	p.MMmec	MMdarkgr	p.MMdarl	MMturquo	p.MMturg
1.60E-13	0.625576	4.33E-52	0.039575	0.39351	-0.01909	0.68073	0.169928	0.00022
0.27209	0.843928	#####	0.140291	0.00238	0.278805	8.74E-10	0.530039	3.46E-35
0.1151	0.881777	#####	0.033286	0.47302	0.034729	0.45403	0.23733	2.11E-07
0.00148	0.905987	#####	0.015281	0.74189	0.044458	0.33774	0.287447	2.46E-10
3.23E-08	0.593904	7.43E-46	0.185807	5.35E-05	0.221403	1.35E-06	0.431333	1.39E-22
8.51E-07	0.82376	#####	0.075004	0.10549	0.020514	0.65836	0.283402	4.48E-10
3.52E-06	0.60114	3.22E-47	0.018326	0.69284	0.009373	0.83991	0.190903	3.29E-05
0.00035	0.819574	#####	0.104377	0.02409	0.100049	0.03064	0.345444	1.56E-14
0.07228	0.839597	#####	-0.01507	0.74529	-0.01359	0.76953	0.238044	1.94E-07
0.26017	0.571548	7.46E-42	-0.00895	0.84706	0.1278	0.00568	0.351116	5.38E-15
1.01E-09	0.791825	#####	0.034118	0.46201	-0.00851	0.8544	0.1865	5.01E-05
0.0411	0.586241	1.90E-44	0.052986	0.25313	0.004074	0.93004	0.169468	0.00023
0.95318	0.561637	3.55E-40	0.131599	0.00439	0.250502	4.10E-08	0.446468	2.93E-24
3.81E-10	0.705285	1.77E-71	0.108918	0.01855	0.035014	0.45034	0.263791	7.12E-09
0.07507	0.860476	#####	0.043299	0.35049	0.100558	0.0298	0.289938	1.70E-10
0.16751	0.636742	1.83E-54	-0.0223	0.63072	0.036545	0.43076	0.27544	1.41E-09
0.16135	0.594877	4.90E-46	0.111486	0.01594	0.146568	0.00149	0.286345	2.90E-10
1.09E-18	0.737343	3.03E-81	0.037503	0.41877	0.026662	0.56548	0.231043	4.47E-07
0.69915	0.560348	5.81E-40	-0.04611	0.32011	-0.04649	0.31611	0.087387	0.05916
0.34764	0.777207	1.34E-95	0.22938	5.43E-07	0.145548	0.00161	0.318207	1.90E-12
0.00726	0.727481	4.30E-78	0.012361	0.78992	-0.03112	0.50228	0.197371	1.74E-05
0.00198	0.595412	3.89E-46	-0.06288	0.1749	-0.11534	0.01263	0.072003	0.12022
2.30E-09	0.674171	3.48E-63	0.166572	0.0003	0.06343	0.17118	0.256391	1.91E-08
0.01115	0.57268	4.76E-42	0.009422	0.83908	-0.02839	0.54054	0.16945	0.00023
0.99918	0.553218	8.55E-39	-0.01868	0.6872	-0.05409	0.24336	0.079507	0.08611
1.57E-06	0.831249	#####	0.279265	8.18E-10	0.28449	3.82E-10	0.550927	2.00E-38
0.00014	0.601662	2.56E-47	0.110707	0.0167	0.226049	7.98E-07	0.365694	3.19E-16
0.049	0.62824	1.20E-52	0.120537	0.00912	0.067531	0.14509	0.318336	1.86E-12
0.31053	0.575544	1.51E-42	0.042692	0.3573	0.062644	0.17655	0.234284	3.04E-07
0.69089	0.625473	4.55E-52	-0.07827	0.09111	0.010027	0.82889	0.137589	0.00289
0.29932	0.840555	#####	0.175225	0.00014	0.225343	8.65E-07	0.437397	3.03E-23
0.18037	0.645781	1.86E-56	0.209556	4.94E-06	0.289983	1.69E-10	0.531319	2.22E-35
0.00077	0.796904	#####	0.112512	0.01499	0.294324	8.72E-11	0.555487	3.66E-39
0.98263	0.66254	2.44E-60	0.114372	0.01339	0.072026	0.1201	0.174473	0.00015
0.00087	0.564763	1.06E-40	0.10573	0.02231	0.006534	0.88801	0.215604	2.57E-06
0.81724	0.67225	1.05E-62	0.157741	0.00062	0.151796	0.001	0.295207	7.62E-11
5.74E-06	0.778295	4.95E-96	0.130248	0.00481	0.161316	0.00047	0.365527	3.29E-16
0.99501	0.692005	8.26E-68	-0.03602	0.4374	0.00251	0.95686	0.128714	0.00534
0.04728	0.791617	#####	-0.01272	0.78389	-0.01895	0.68294	0.176432	0.00013
1.05E-12	0.699104	9.56E-70	0.270371	2.88E-09	0.300316	3.45E-11	0.518395	1.77E-33
0.37928	0.724313	4.14E-77	0.093723	0.04293	0.198508	1.55E-05	0.386329	4.52E-18
0.87308	0.780699	5.36E-97	0.097235	0.03568	0.157917	0.00061	0.426172	4.97E-22
2.38E-09	0.058462	0.20729	0.008031	0.86258	-0.04721	0.30864	0.108833	0.01864
0.01254	-0.03135	0.49921	0.072926	0.11553	-0.06571	0.15625	0.022955	0.62074



0.02538	0.085513	0.06484	0.330408	2.34E-13	0.149167	0.00123	0.17393	0.00016
0.16669	0.14102	0.00225	0.486923	3.57E-29	0.410161	2.24E-20	0.489108	1.85E-29
0.36503	0.013708	0.76765	0.359011	1.19E-15	0.181295	8.15E-05	0.235782	2.54E-07
3.83E-06	-0.00347	0.94044	0.142674	0.002	0.104393	0.02407	0.155596	0.00074
0.00015	0.193016	2.68E-05	0.304661	1.74E-11	0.26869	3.64E-09	0.365347	3.41E-16
0.58456	-0.04018	0.38635	-0.00636	0.89101	-0.01455	0.75375	0.006193	0.89381
0.01059	-0.09279	0.04506	-0.10055	0.02981	-0.26857	3.70E-09	-0.19688	1.83E-05
3.84E-05	0.008571	0.85344	0.15705	0.00066	-0.00144	0.9753	0.05862	0.20606
0.1412	0.128963	0.00525	0.176338	0.00013	0.181871	7.73E-05	0.237987	1.95E-07
1.93E-05	-0.01037	0.82315	0.03236	0.48542	-0.11568	0.01237	-0.13343	0.00387
2.03E-05	-0.01771	0.70264	0.06294	0.17451	-0.16046	0.0005	-0.10262	0.02659
0.03115	0.070118	0.13026	0.49992	6.74E-31	0.276963	1.14E-09	0.328751	3.13E-13
1.94E-10	-0.02216	0.63296	0.145563	0.00161	-0.0969	0.03632	0.008293	0.85814
2.32E-05	-0.06528	0.15901	0.207576	6.09E-06	0.017467	0.70656	-0.01409	0.76143
0.00807	-0.00542	0.90704	-0.05528	0.23314	-0.13308	0.00396	-0.0949	0.04038
0.00014	-0.11512	0.0128	0.176581	0.00013	-0.04051	0.38247	-0.11307	0.01449
0.01044	0.068138	0.1415	0.158439	0.00059	0.094661	0.04088	0.154545	0.00081
2.94E-15	0.095546	0.03902	0.106305	0.02158	-0.08628	0.06247	0.127298	0.00587
0.03445	0.037009	0.42492	0.532242	1.61E-35	0.380706	1.48E-17	0.452057	6.70E-25
0.74154	0.023852	0.60716	-0.14216	0.00207	-0.03591	0.43888	-0.02468	0.59466
4.96E-23	0.051516	0.26656	0.165353	0.00033	-0.02595	0.57591	0.100781	0.02944
0.21099	-0.09269	0.04529	-0.01822	0.69454	-0.07048	0.12826	-0.06295	0.17442
2.94E-08	0.162844	0.00041	0.186038	5.23E-05	0.107239	0.02045	0.23317	3.47E-07
0.51943	-0.05966	0.19813	-0.31108	6.16E-12	-0.16491	0.00035	-0.24345	9.97E-08
0.0015	0.116187	0.01198	0.193735	2.49E-05	0.012217	0.79231	0.224743	9.27E-07
0.00032	0.259541	1.26E-08	0.380878	1.43E-17	0.308694	9.08E-12	0.501703	3.86E-31
0.0011	0.048831	0.29232	0.012414	0.78903	0.010284	0.82458	0.077495	0.09439
4.48E-05	0.136521	0.00311	0.091929	0.04709	-0.04442	0.33817	0.063738	0.1691
3.12E-09	0.038311	0.4088	0.3604	9.04E-16	0.060082	0.19495	0.22892	5.72E-07
0.00084	0.027325	0.55584	0.473008	2.08E-27	0.301978	2.66E-11	0.420164	2.13E-21
0.00156	0.170484	0.00021	0.109348	0.01809	0.077894	0.0927	0.203283	9.53E-06
1.15E-12	0.006954	0.88086	0.141875	0.00212	-0.04371	0.34589	0.055355	0.2325
1.83E-06	0.163645	0.00038	0.080873	0.08084	-0.09407	0.04217	0.093017	0.04453
0.84739	-0.00869	0.85136	-0.10972	0.0177	-0.01856	0.68905	-0.06906	0.13619
6.62E-07	0.303499	2.09E-11	0.436421	3.88E-23	0.464368	2.36E-26	0.645728	1.91E-56
1.03E-13	0.134322	0.00364	0.217024	2.20E-06	0.008528	0.85417	0.157716	0.00062
0.14383	-0.01769	0.70297	0.119946	0.00947	-0.00774	0.86758	0.016882	0.71595
0.00929	-0.12169	0.00848	-0.18105	8.33E-05	-0.19779	1.67E-05	-0.26189	9.20E-09
1.84E-05	-0.09338	0.04369	-0.03477	0.45353	-0.31303	4.48E-12	-0.218	1.98E-06
0.00143	-0.031	0.50397	0.154442	0.00081	0.125732	0.00652	0.099424	0.0317
1.33E-09	0.132174	0.00422	0.238602	1.81E-07	0.08908	0.05439	0.234527	2.96E-07
3.05E-05	0.095213	0.03971	-0.00924	0.84211	-0.01054	0.82032	0.083264	0.07223
0.10266	0.148489	0.00129	0.375352	4.51E-17	0.325851	5.17E-13	0.42883	2.59E-22
5.15E-10	0.229513	5.34E-07	0.24828	5.44E-08	0.265142	5.92E-09	0.453112	5.06E-25
0.1281	0.049257	0.28812	0.220845	1.44E-06	-0.08877	0.05524	0.032015	0.49009

1.17E-09	0.030163	0.51555	0.083007	0.07312	-0.0323	0.48625	0.059049	0.20275
0.08571	-0.03983	0.39052	0.424734	7.05E-22	0.184897	5.83E-05	0.150406	0.00111
6.17E-15	0.135063	0.00345	0.314722	3.39E-12	0.130281	0.0048	0.279876	7.49E-10
4.38E-08	0.004648	0.9202	0.227885	6.46E-07	0.032107	0.48884	0.116952	0.01143
1.46E-15	-0.03692	0.42601	0.092608	0.04548	-0.05813	0.20992	-0.03641	0.43251
1.40E-23	0.212627	3.56E-06	0.223463	1.07E-06	0.174518	0.00015	0.356799	1.82E-15
0.01341	-0.0257	0.57962	0.108442	0.01907	-0.00881	0.84932	0.01708	0.71277
3.82E-13	0.199715	1.37E-05	0.448413	1.76E-24	0.44615	3.19E-24	0.525544	1.61E-34
9.01E-08	0.021521	0.64273	0.077469	0.0945	-0.11869	0.01025	-0.00777	0.86704
0.0036	0.132367	0.00416	0.121371	0.00865	0.039846	0.39027	0.224758	9.25E-07
0.04267	0.136552	0.00311	0.410826	1.92E-20	0.280626	6.72E-10	0.343689	2.15E-14
0.0731	-0.04995	0.2814	0.05762	0.21392	-0.14454	0.00174	-0.06482	0.16197
0.00166	0.167367	0.00028	0.344389	1.89E-14	0.269762	3.14E-09	0.400848	1.88E-19
2.02E-06	-0.03685	0.42692	0.093421	0.04361	-0.06492	0.16129	0.034376	0.45864
1.06E-12	-0.05449	0.23989	-0.09163	0.0478	-0.2496	4.60E-08	-0.2338	3.22E-07
0.00437	0.218756	1.82E-06	0.153974	0.00084	0.091863	0.04725	0.203957	8.89E-06
6.63E-09	-0.00465	0.92022	-0.0279	0.54759	-0.27574	1.35E-09	-0.20641	6.89E-06
0.00271	0.207935	5.87E-06	0.315492	2.98E-12	0.34567	1.49E-14	0.520291	9.43E-34
0.09804	-0.01715	0.71172	0.094561	0.04109	-0.08441	0.06838	0.026107	0.5736
0.5284	0.150459	0.00111	0.145387	0.00163	0.005228	0.91028	0.181875	7.72E-05
0.49759	0.02581	0.57797	-0.15242	0.00095	-0.0376	0.4176	-0.04599	0.32138
0.01989	0.133298	0.0039	0.394611	7.50E-19	0.22674	7.37E-07	0.376247	3.75E-17
1.28E-11	-0.12268	0.00795	-0.31956	1.51E-12	-0.10007	0.0306	-0.26424	6.70E-09
3.44E-18	0.108646	0.01885	0.231467	4.25E-07	0.059109	0.20229	0.230267	4.89E-07
0.69585	0.057189	0.21737	0.300288	3.46E-11	0.142218	0.00206	0.22565	8.35E-07
0.59401	0.002239	0.9615	0.080207	0.08337	-0.13655	0.00311	-0.07233	0.11856
0.79855	0.179612	9.51E-05	0.155183	0.00077	0.271208	2.57E-09	0.262236	8.78E-09
6.22E-06	0.143269	0.00191	0.202541	1.03E-05	0.106224	0.02168	0.245666	7.56E-08
0.00014	-0.07759	0.094	0.063911	0.16795	-0.20652	6.81E-06	-0.15778	0.00062
2.42E-18	-0.12251	0.00804	-0.26399	6.92E-09	-0.19944	1.41E-05	-0.30737	1.13E-11
0.00662	0.064494	0.16409	0.08874	0.05532	0.039566	0.39362	0.076958	0.0967
0.04206	0.155232	0.00076	0.045273	0.32895	0.297463	5.38E-11	0.371229	1.05E-16
0.01431	-0.07901	0.08811	-0.29854	4.55E-11	-0.25443	2.47E-08	-0.29109	1.43E-10
2.48E-08	-0.05192	0.26283	-0.20558	7.51E-06	-0.16264	0.00042	-0.18725	4.67E-05
8.69E-13	-0.02216	0.63288	0.091225	0.04881	-0.10562	0.02245	0.014846	0.74898
0.9918	0.061211	0.18668	-0.22697	7.18E-07	-0.05079	0.27332	-0.08051	0.08219
0.36098	0.1362	0.00319	0.103126	0.02584	0.175207	0.00014	0.286324	2.91E-10
0.93835	-0.0056	0.90398	-0.09152	0.04808	-0.05733	0.2162	-0.03146	0.49759
0.59639	-0.04138	0.37232	-0.26791	4.05E-09	-0.06526	0.15911	-0.17078	0.00021
1.97E-14	-0.26268	8.27E-09	-0.20012	1.32E-05	-0.20232	1.05E-05	-0.38591	4.93E-18
7.60E-06	0.141188	0.00223	0.100152	0.03047	0.098557	0.03323	0.291563	1.33E-10
0.21277	0.119186	0.00994	0.143859	0.00183	0.181902	7.70E-05	0.262273	8.74E-09
1.75E-07	0.062901	0.17478	0.216027	2.46E-06	-0.06297	0.17428	0.103982	0.02463
0.03541	-0.14075	0.0023	0.092201	0.04644	-0.22267	1.17E-06	-0.21492	2.78E-06
3.25E-09	0.153467	0.00088	0.180202	9.01E-05	0.054185	0.24254	0.221347	1.36E-06

3.36E-13	0.123071	0.00775	-0.06804	0.1421	0.173461	0.00017	0.19479	2.25E-05
5.11E-09	0.033261	0.47334	0.172179	0.00018	-0.02548	0.58285	0.075574	0.10287
1.44E-12	-0.13725	0.00296	-0.26561	5.56E-09	-0.12901	0.00524	-0.25586	2.05E-08
0.02094	-0.06137	0.18556	-0.1828	7.09E-05	-0.1092	0.01825	-0.16858	0.00025
0.00457	-0.07334	0.11348	-0.17442	0.00015	0.015238	0.74258	-0.1474	0.0014
0.9466	-0.0259	0.57662	-0.14016	0.0024	-0.12911	0.0052	-0.11287	0.01467
3.31E-06	-0.03118	0.50142	-0.11901	0.01005	0.003094	0.94683	-0.07283	0.11603
4.02E-16	0.218486	1.87E-06	0.242287	1.15E-07	0.110772	0.01663	0.31496	3.26E-12
0.57574	0.022866	0.62209	-0.23408	3.12E-07	-0.12387	0.00736	-0.0783	0.09098
0.02107	0.175083	0.00014	0.256886	1.79E-08	0.21188	3.86E-06	0.37647	3.58E-17
6.82E-11	0.054627	0.23871	0.133741	0.00379	-0.0913	0.04862	0.055775	0.22897
3.69E-09	-0.03531	0.44651	-0.21778	2.03E-06	-0.13315	0.00394	-0.16476	0.00035
0.00608	-0.13127	0.00449	-0.1607	0.00049	-0.11072	0.01669	-0.24085	1.37E-07
7.38E-11	0.019608	0.67256	0.094569	0.04108	-0.07334	0.11347	0.026917	0.56176
0.45085	0.071842	0.12106	0.30494	1.66E-11	-0.01829	0.69349	0.043205	0.35154
0.96303	0.178458	0.00011	0.283183	4.63E-10	0.13346	0.00386	0.321584	1.07E-12
0.60102	0.039804	0.39077	0.121558	0.00855	0.00274	0.95291	0.094262	0.04174
0.00017	-0.02558	0.58132	-0.13845	0.00271	-0.08545	0.06504	-0.1952	2.16E-05
0.70803	-0.03174	0.49388	0.136233	0.00318	-0.04212	0.36382	0.014309	0.75777
0.12581	-0.02749	0.5535	-0.17369	0.00016	-0.09201	0.04689	-0.12718	0.00592
0.00016	-0.00249	0.95722	-0.0217	0.64003	-0.07604	0.10076	0.074715	0.10685
0.49978	-0.03868	0.40433	0.105692	0.02235	-0.09883	0.03275	-0.05054	0.27573
0.06961	0.300951	3.12E-11	0.199431	1.41E-05	0.327342	3.99E-13	0.481008	2.05E-28
2.22E-08	-0.06902	0.1364	-0.202	1.09E-05	-0.16498	0.00034	-0.17289	0.00017
5.19E-08	-0.0666	0.1507	-0.03122	0.50095	-0.22346	1.07E-06	-0.1212	0.00874
0.11814	0.122591	0.008	0.503223	2.39E-31	0.359814	1.01E-15	0.46288	3.56E-26
0.06722	-0.05084	0.27287	-0.08198	0.07675	-0.21057	4.44E-06	-0.12171	0.00846
3.10E-06	0.030027	0.51744	0.179714	9.42E-05	-0.01384	0.76543	0.059722	0.19764
0.01936	-0.20132	1.17E-05	-0.32713	4.14E-13	-0.34791	9.83E-15	-0.4397	1.69E-23
0.18818	0.052725	0.25549	0.447628	2.16E-24	0.432806	9.64E-23	0.42259	1.19E-21
0.00135	-0.16082	0.00049	-0.13998	0.00243	-0.05268	0.25591	-0.28613	3.00E-10
0.05331	0.139031	0.0026	0.035828	0.43987	-0.05724	0.21695	0.146106	0.00155
0.11905	0.138802	0.00265	0.180336	8.90E-05	0.248976	4.98E-08	0.303956	1.94E-11
0.00044	0.187831	4.42E-05	0.470927	3.75E-27	0.486803	3.70E-29	0.526279	1.25E-34
0.00346	-0.01945	0.67511	0.214297	2.97E-06	-0.03699	0.42517	0.090398	0.05091
0.0304	0.31905	1.65E-12	0.4269	4.16E-22	0.426128	5.02E-22	0.520449	8.95E-34
0.02145	-0.07423	0.10917	-0.18633	5.09E-05	-0.06233	0.17871	-0.12389	0.00735
3.77E-05	0.170619	0.00021	0.221801	1.29E-06	0.139304	0.00255	0.347649	1.03E-14
4.66E-05	0.024488	0.5976	0.235513	2.63E-07	0.036544	0.43077	0.117466	0.01107
1.75E-10	-0.05121	0.26942	-0.04818	0.29878	-0.20497	8.01E-06	-0.15345	0.00088
3.02E-06	0.044715	0.33495	0.043371	0.34969	-0.11367	0.01397	0.010679	0.81796
0.02785	-0.07955	0.08595	-0.2944	8.62E-11	-0.22149	1.34E-06	-0.26759	4.24E-09
4.62E-05	-0.09028	0.05121	0.113974	0.01372	-0.06408	0.16682	-0.00373	0.93591
0.04703	0.102468	0.02681	0.341831	3.02E-14	0.143905	0.00182	0.246534	6.78E-08
0.00049	-0.00416	0.92855	0.253117	2.93E-08	0.093971	0.04238	0.180229	8.99E-05

0.00018	0.181961	7.66E-05	0.507309	6.54E-32	0.397589	3.89E-19	0.499216	8.40E-31
0.27885	0.029329	0.52722	0.094932	0.0403	0.037363	0.42051	0.127195	0.00591
0.02167	-0.02354	0.61188	-0.00383	0.93426	0.06812	0.1416	0.055899	0.22794
1.37E-11	0.231134	4.42E-07	0.227651	6.63E-07	0.153124	0.0009	0.345947	1.42E-14
9.64E-06	0.037677	0.41661	0.180613	8.68E-05	0.044126	0.34136	0.119823	0.00955
0.06529	0.127358	0.00585	0.133213	0.00393	0.054644	0.23857	0.226243	7.80E-07
0.00104	0.126993	0.00599	0.383366	8.48E-18	0.333941	1.25E-13	0.408155	3.57E-20
4.07E-05	0.170598	0.00021	0.047154	0.30922	-0.00078	0.98658	0.092187	0.04647
0.00498	0.181353	8.10E-05	0.196679	1.86E-05	0.061871	0.18196	0.191767	3.02E-05
8.41E-09	0.146693	0.00148	0.052481	0.25769	-0.03466	0.45487	0.153128	0.0009
0.89476	-0.19216	2.91E-05	-0.0651	0.16015	-0.24272	1.09E-07	-0.27581	1.34E-09
3.40E-09	0.197487	1.72E-05	0.135223	0.00341	0.119913	0.00949	0.341831	3.02E-14
2.92E-12	-0.00234	0.95979	0.157036	0.00066	-0.11963	0.00966	-0.05003	0.28066
0.37633	-0.0033	0.94324	-0.2537	2.71E-08	-0.15654	0.00069	-0.13694	0.00302
4.33E-10	0.145224	0.00165	0.368066	1.98E-16	0.265181	5.89E-09	0.403102	1.13E-19
2.42E-15	0.131929	0.00429	0.211715	3.92E-06	-0.01155	0.80336	0.180092	9.10E-05
6.64E-09	0.094244	0.04178	0.340266	4.02E-14	0.304942	1.66E-11	0.339307	4.79E-14
5.89E-05	-0.15305	0.00091	0.019055	0.68129	-0.17912	9.94E-05	-0.25051	4.10E-08
2.15E-06	-0.22529	8.70E-07	-0.06119	0.18684	-0.23574	2.55E-07	-0.31091	6.33E-12
0.00137	0.021643	0.64085	0.208284	5.66E-06	0.045723	0.32416	0.11456	0.01324
0.07472	0.064566	0.16362	0.424261	7.91E-22	0.303585	2.06E-11	0.329936	2.54E-13
0.00148	0.147264	0.00142	0.21945	1.68E-06	0.061466	0.18484	0.238987	1.73E-07
0.00264	0.201321	1.17E-05	0.134531	0.00358	0.084127	0.06932	0.271665	2.41E-09
0.01383	0.051632	0.26548	0.393855	8.86E-19	0.17481	0.00015	0.271726	2.39E-09
3.10E-10	0.100812	0.02939	0.405432	6.65E-20	0.252372	3.22E-08	0.367175	2.37E-16
3.02E-10	0.074315	0.10874	0.222241	1.23E-06	0.162936	0.00041	0.152392	0.00095
0.00401	0.016799	0.71729	-0.10086	0.0293	0.045291	0.32875	0.101308	0.02859
5.15E-05	0.125241	0.00673	0.306715	1.25E-11	0.205404	7.65E-06	0.328906	3.04E-13
8.70E-06	-0.19523	2.15E-05	-0.034	0.4636	-0.18973	3.68E-05	-0.22422	9.84E-07
0.60701	-0.02017	0.66375	0.213372	3.28E-06	-0.02312	0.61818	-0.00348	0.94024
0.89937	0.06782	0.14337	0.039268	0.39719	-0.00123	0.97881	0.045107	0.33073
2.00E-06	-0.00627	0.89254	0.263971	6.95E-09	0.184272	6.18E-05	0.215787	2.52E-06
0.35813	0.273523	1.85E-09	0.186436	5.04E-05	-0.00732	0.87461	0.140536	0.00233
0.00297	0.07968	0.08543	0.190412	3.45E-05	0.155403	0.00075	0.267024	4.58E-09
0.31527	-0.07157	0.12246	-0.37992	1.75E-17	-0.25473	2.37E-08	-0.27037	2.88E-09
0.01295	0.024367	0.59941	0.418424	3.22E-21	0.296029	6.71E-11	0.345528	1.53E-14
0.31296	0.135376	0.00338	0.135837	0.00327	0.249551	4.63E-08	0.307439	1.11E-11
3.57E-06	0.141778	0.00213	0.238157	1.91E-07	0.273126	1.96E-09	0.38906	2.51E-18
1.59E-09	-0.17665	0.00012	0.109447	0.01798	-0.22679	7.33E-07	-0.27223	2.22E-09
0.0079	0.208344	5.62E-06	0.200821	1.23E-05	0.187268	4.66E-05	0.313803	3.94E-12
0.02411	0.119928	0.00948	0.274182	1.69E-09	0.239148	1.69E-07	0.383365	8.48E-18
0.00593	0.00616	0.89438	0.127016	0.00598	0.126794	0.00607	0.147037	0.00144
6.53E-06	0.101806	0.02782	0.22483	9.17E-07	0.08018	0.08348	0.220959	1.42E-06
0.27659	0.022426	0.62882	0.093353	0.04376	-0.09567	0.03876	0.052603	0.25659
0.59969	-0.00598	0.8975	-0.09644	0.03722	0.043516	0.34809	0.024261	0.60101

0.33886	-0.00017	0.99708	0.064914	0.16136	0.025508	0.58242	0.077161	0.09582
1.69E-06	-0.12393	0.00733	0.010516	0.82069	-0.17903	0.0001	-0.19444	2.33E-05
8.36E-07	0.182653	7.19E-05	0.20243	1.04E-05	0.236943	2.21E-07	0.371747	9.43E-17
9.11E-05	-0.05013	0.27963	-0.17919	9.88E-05	-0.11731	0.01118	-0.18639	5.06E-05
5.51E-09	0.12111	0.0088	0.239088	1.71E-07	0.113392	0.01422	0.260866	1.06E-08
0.00069	0.324627	6.38E-13	0.380831	1.45E-17	0.349609	7.15E-15	0.564118	1.37E-40
1.33E-05	-0.04041	0.3836	0.078392	0.09062	-0.03249	0.48369	-0.03143	0.4981
0.00656	0.093816	0.04272	0.093324	0.04383	0.015104	0.74477	0.124396	0.00711
7.12E-18	0.292846	1.09E-10	0.384953	6.06E-18	0.269516	3.25E-09	0.514959	5.50E-33
0.00824	-0.1707	0.00021	-0.21758	2.07E-06	-0.21438	2.94E-06	-0.30979	7.61E-12
6.20E-16	-0.03211	0.4888	0.003848	0.9339	-0.20956	4.94E-06	-0.11639	0.01183
0.00282	0.085041	0.06633	0.184358	6.13E-05	0.034588	0.45586	0.184668	5.95E-05
0.09667	-0.0176	0.70445	0.189866	3.63E-05	-0.00158	0.97286	0.007991	0.86326
0.60911	-0.00078	0.98659	-0.13956	0.0025	-0.03046	0.51147	-0.04203	0.3648
0.35741	-0.10149	0.0283	0.058924	0.20371	-0.19377	2.48E-05	-0.23119	4.39E-07
2.55E-11	0.153431	0.00088	0.123857	0.00737	0.03727	0.42166	0.263846	7.06E-09
1.62E-11	-0.09773	0.03473	0.091154	0.04899	-0.20513	7.87E-06	-0.11658	0.0117
2.36E-15	-0.0022	0.96226	0.171853	0.00019	-0.1037	0.02503	-0.00574	0.90153
9.26E-05	-0.01649	0.72228	0.335683	9.19E-14	0.101193	0.02878	0.127085	0.00596
0.91164	-0.05015	0.2795	-0.16365	0.00038	-0.15129	0.00104	-0.20127	1.17E-05
3.41E-07	0.098374	0.03356	0.165867	0.00032	0.107491	0.02016	0.168853	0.00025
9.98E-19	0.174687	0.00015	0.294099	9.03E-11	0.140975	0.00226	0.352877	3.85E-15
0.16009	0.247937	5.68E-08	0.057275	0.21667	0.073449	0.11294	0.319657	1.49E-12
0.51475	0.079856	0.08474	0.050645	0.27474	0.053572	0.24792	0.152086	0.00098
2.70E-09	0.20893	5.28E-06	0.222348	1.22E-06	0.182251	7.46E-05	0.404403	8.41E-20
0.05679	-0.03175	0.49375	0.129778	0.00497	0.109561	0.01786	0.05059	0.27526
2.16E-10	-0.12988	0.00494	-0.24303	1.05E-07	-0.11491	0.01296	-0.22879	5.81E-07
0.96138	0.040401	0.3837	0.249793	4.49E-08	0.005491	0.90579	0.141557	0.00217
0.00011	0.156781	0.00067	0.21872	1.83E-06	0.161503	0.00046	0.250485	4.11E-08
0.03035	0.097609	0.03497	0.073571	0.11234	0.084398	0.06842	0.113269	0.01432
3.42E-05	-0.03249	0.48366	0.05788	0.21185	-0.107	0.02074	-0.00859	0.85314
6.75E-11	0.150702	0.00109	0.241503	1.27E-07	0.10375	0.02495	0.283382	4.49E-10
6.56E-05	-0.12623	0.00631	0.184358	6.13E-05	-0.1785	0.00011	-0.13913	0.00258
0.00166	0.15671	0.00068	0.170896	0.00021	0.178847	0.0001	0.302331	2.51E-11
2.57E-05	-0.03855	0.40588	0.080761	0.08126	-0.1587	0.00058	-0.10641	0.02146
0.20895	0.130125	0.00486	0.473792	1.66E-27	0.244885	8.34E-08	0.292981	1.07E-10
2.11E-05	-0.0618	0.18248	-0.09791	0.0344	-0.26978	3.13E-09	-0.3005	3.35E-11
3.57E-09	0.052192	0.26032	0.104395	0.02406	0.071651	0.12205	0.104834	0.02347
0.56097	-0.10461	0.02377	0.037371	0.42041	-0.04512	0.33054	-0.11182	0.01563
2.81E-06	0.106443	0.02141	0.136939	0.00302	0.009045	0.84543	0.167198	0.00028
0.00012	0.030993	0.50405	0.073809	0.11118	-0.10621	0.0217	-0.0132	0.77606
0.15435	0.186178	5.17E-05	0.275753	1.35E-09	0.279627	7.76E-10	0.442409	8.41E-24
7.79E-09	0.131297	0.00448	0.230206	4.93E-07	0.090233	0.05133	0.284699	3.70E-10
1.37E-05	0.130374	0.00477	0.219802	1.62E-06	-0.00292	0.9498	0.117785	0.01085
6.21E-09	0.249222	4.82E-08	0.36652	2.70E-16	0.394169	8.27E-19	0.556049	2.96E-39

1.13E-05	0.070516	0.12809	0.060123	0.19464	0.041671	0.36892	0.125145	0.00677
0.02603	-0.01648	0.72238	0.122978	0.0078	-0.11982	0.00955	-0.07907	0.08784
0.07333	-0.07083	0.12638	0.216046	2.45E-06	-0.04369	0.3462	-0.07298	0.11527
0.0175	0.154474	0.00081	0.19341	2.57E-05	0.28234	5.24E-10	0.285793	3.15E-10
0.00037	0.115029	0.01287	0.192879	2.71E-05	0.187539	4.54E-05	0.181991	7.64E-05
0.03242	-0.02152	0.64273	0.25194	3.41E-08	0.098705	0.03296	0.128307	0.00549
1.04E-10	0.165472	0.00033	0.324942	6.04E-13	0.175009	0.00014	0.342053	2.90E-14
0.03505	-0.03213	0.48854	0.120023	0.00943	-0.00033	0.99426	0.058586	0.20632
3.41E-06	0.018035	0.69747	0.188791	4.03E-05	0.132524	0.00412	0.168547	0.00025
9.83E-08	-0.0714	0.12338	-0.13335	0.00389	-0.04331	0.35038	-0.13506	0.00345
7.57E-07	0.045122	0.33057	0.203071	9.74E-06	-0.02462	0.5957	0.108476	0.01904
0.08042	0.080943	0.08057	0.170789	0.00021	0.083471	0.07152	0.165393	0.00033
0.05205	-0.13521	0.00342	-0.43217	1.13E-22	-0.24609	7.17E-08	-0.32405	7.04E-13
1.89E-07	0.160737	0.00049	0.394406	7.85E-19	0.331326	1.99E-13	0.464461	2.30E-26
5.42E-15	7.63E-05	0.99869	-0.06108	0.18765	0.128209	0.00553	0.057181	0.21743
0.00185	-0.08926	0.05389	-0.16887	0.00025	-0.05928	0.20098	-0.21427	2.98E-06
4.47E-05	0.203648	9.18E-06	0.324253	6.80E-13	0.199425	1.41E-05	0.396689	4.75E-19
0.00039	0.100964	0.02914	0.15255	0.00094	0.064896	0.16148	0.236802	2.25E-07
2.49E-12	0.042713	0.35706	0.082378	0.07533	-0.07308	0.11476	0.058866	0.20416
2.41E-14	0.080929	0.08062	0.168558	0.00025	0.050764	0.27361	0.192106	2.92E-05
9.56E-12	0.221936	1.27E-06	0.156314	0.0007	0.083127	0.07271	0.254596	2.41E-08
0.61397	-0.06869	0.13827	0.219023	1.77E-06	0.094495	0.04124	0.077005	0.09649
2.24E-10	0.07837	0.09071	0.154662	0.0008	0.089498	0.05327	0.151654	0.00101
0.0084	-0.07401	0.11019	-0.14531	0.00164	-0.0945	0.04123	-0.19269	2.76E-05
5.29E-07	0.165656	0.00032	0.296081	6.66E-11	0.162612	0.00042	0.329423	2.78E-13
0.01476	0.029041	0.53129	-0.12804	0.00559	-0.08021	0.08337	-0.04143	0.37175
0.00133	-0.07009	0.13043	-0.21443	2.93E-06	-0.05313	0.25182	-0.16706	0.00029
0.08604	-0.01369	0.76798	0.489312	1.74E-29	0.353276	3.57E-15	0.335853	8.91E-14
0.15303	-0.14867	0.00127	0.059678	0.19798	-0.25155	3.58E-08	-0.26307	7.84E-09
0.43366	-0.17523	0.00014	0.110995	0.01641	-0.08826	0.05665	-0.12972	0.00499
0.00081	-0.16151	0.00046	0.050228	0.27871	-0.22634	7.72E-07	-0.19961	1.39E-05
1.58E-12	0.007679	0.86855	0.072751	0.11641	0.222754	1.16E-06	0.113618	0.01402
0.0071	-0.07762	0.09387	-0.24016	1.50E-07	-0.16637	0.00031	-0.21026	4.58E-06
0.00023	0.323892	7.23E-13	0.189881	3.63E-05	0.225165	8.83E-07	0.406162	5.63E-20
0.00628	0.007395	0.87338	0.086602	0.06149	-0.1748	0.00015	-0.04817	0.29888
3.04E-09	0.102811	0.0263	0.057707	0.21322	-0.03943	0.39527	0.096821	0.03647
5.92E-06	0.062608	0.1768	0.347442	1.07E-14	0.317359	2.18E-12	0.381633	1.22E-17
0.00186	0.002075	0.96433	-0.24506	8.16E-08	-0.11494	0.01294	-0.05512	0.2345
2.44E-06	-0.04022	0.38585	0.337897	6.18E-14	0.145907	0.00157	0.135751	0.00329
0.06164	-0.16678	0.00029	0.310951	6.30E-12	0.272803	2.05E-09	0.203504	9.32E-06
0.00264	0.045033	0.33152	0.492334	6.98E-30	0.293868	9.35E-11	0.353661	3.32E-15
0.48078	-0.15378	0.00086	0.041635	0.36934	-0.25144	3.63E-08	-0.2787	8.88E-10
2.03E-06	0.136512	0.00312	0.396198	5.29E-19	0.229446	5.38E-07	0.309554	7.90E-12
0.00172	-0.00632	0.89159	0.372232	8.55E-17	0.29004	1.67E-10	0.26274	8.20E-09
6.72E-05	0.190363	3.46E-05	0.315543	2.96E-12	0.372949	7.38E-17	0.426412	4.68E-22

5.00E-06	-0.08673	0.0611	0.072464	0.11786	-0.17104	0.0002	-0.12791	0.00564
0.63464	0.090659	0.05024	0.228769	5.83E-07	0.034324	0.45931	0.149401	0.0012
2.80E-06	0.09458	0.04105	-0.02448	0.59765	0.113262	0.01433	0.155758	0.00073
0.01989	0.092545	0.04563	0.355605	2.29E-15	0.336408	8.07E-14	0.430798	1.59E-22
1.65E-15	0.187183	4.70E-05	0.257724	1.60E-08	0.176002	0.00013	0.307265	1.14E-11
7.65E-10	0.147123	0.00143	0.189032	3.94E-05	0.090771	0.04995	0.304221	1.86E-11
2.90E-06	0.205761	7.37E-06	0.192699	2.76E-05	0.17948	9.62E-05	0.372268	8.48E-17
0.00106	0.153778	0.00086	0.224694	9.32E-07	0.161294	0.00047	0.32741	3.95E-13
5.64E-09	0.157455	0.00064	0.352621	4.05E-15	0.27458	1.60E-09	0.393566	9.44E-19
0.00087	-0.03679	0.42773	0.051562	0.26613	-0.12336	0.00761	-0.04908	0.28985
0.82639	-0.04154	0.37048	0.008384	0.85661	-0.17466	0.00015	-0.09948	0.0316
0.0455	-0.0132	0.77607	0.00647	0.88909	-0.22403	1.00E-06	-0.10268	0.02649
6.15E-13	0.132605	0.0041	0.178965	0.0001	0.085256	0.06565	0.220973	1.42E-06
0.67161	0.039274	0.39713	0.308773	8.97E-12	0.045492	0.32661	0.058772	0.20488
0.01089	-0.02853	0.53859	0.074819	0.10636	-0.09039	0.05092	-0.01436	0.75692
0.00015	0.091935	0.04708	0.166631	0.0003	0.178088	0.00011	0.250581	4.06E-08
2.49E-10	-0.04843	0.29631	0.091278	0.04868	-0.09316	0.04419	-0.03256	0.48278
1.88E-05	0.031984	0.49051	0.391156	1.60E-18	0.100594	0.02974	0.217025	2.20E-06
0.00306	-0.12016	0.00935	0.042342	0.36126	-0.24951	4.65E-08	-0.19524	2.15E-05
0.15181	0.048864	0.29199	-0.02749	0.55347	-0.08601	0.06328	0.017238	0.71023
1.65E-06	-0.02387	0.60689	0.175673	0.00014	-0.12346	0.00756	-0.00736	0.87401
5.01E-07	-0.00093	0.98406	0.068858	0.13733	0.007811	0.86632	0.062192	0.1797
4.16E-16	0.161162	0.00047	0.096974	0.03618	-0.15122	0.00105	0.030347	0.51299
6.92E-10	0.178737	0.0001	0.366333	2.81E-16	0.199272	1.44E-05	0.404077	9.06E-20
3.13E-09	0.22767	6.62E-07	0.319511	1.52E-12	0.377468	2.92E-17	0.548976	4.10E-38
0.27526	-0.07098	0.12562	0.131499	0.00442	0.072367	0.11835	-0.04211	0.36387
1.47E-17	0.154917	0.00078	0.162778	0.00041	0.054754	0.23761	0.264273	6.67E-09
0.38593	0.153815	0.00085	0.309326	8.20E-12	0.073195	0.11419	0.246847	6.52E-08
0.00327	0.161492	0.00046	0.420321	2.05E-21	0.29565	7.12E-11	0.413112	1.13E-20
0.00016	0.259436	1.28E-08	0.281437	5.97E-10	0.313089	4.43E-12	0.492209	7.25E-30
4.69E-07	-0.11914	0.00997	0.125355	0.00668	-0.12638	0.00624	-0.15587	0.00072
3.25E-06	0.203187	9.63E-06	0.367381	2.27E-16	0.365736	3.16E-16	0.504922	1.40E-31
8.96E-13	0.144872	0.0017	0.353146	3.66E-15	0.248056	5.60E-08	0.369629	1.45E-16
0.0002	-0.16578	0.00032	-0.27779	1.01E-09	-0.17311	0.00017	-0.29588	6.87E-11
0.04708	-0.04121	0.37429	0.224436	9.60E-07	-0.01839	0.69189	0.027048	0.55986
4.01E-10	0.18851	4.14E-05	0.280565	6.78E-10	0.177666	0.00011	0.39601	5.51E-19
0.01544	0.184018	6.33E-05	0.338096	5.96E-14	0.265481	5.66E-09	0.364949	3.69E-16
0.01524	0.008304	0.85796	0.242693	1.10E-07	0.043044	0.35334	0.067821	0.14336
0.54005	0.011745	0.80016	0.216871	2.24E-06	0.085558	0.0647	0.055851	0.22833
0.00805	0.117016	0.01138	0.09336	0.04374	0.116765	0.01156	0.202302	1.05E-05
7.86E-07	-0.06215	0.17999	-0.02667	0.56542	-0.10165	0.02805	-0.08697	0.06038
7.29E-05	-0.03316	0.47471	-0.07316	0.11436	0.045947	0.3218	-0.07116	0.12461
2.25E-05	-0.00385	0.93381	0.140743	0.0023	-0.11141	0.01602	-0.04964	0.28437
2.15E-08	0.010948	0.81346	0.086326	0.06232	-0.09069	0.05015	-0.01682	0.71696
4.15E-10	-0.0578	0.21252	0.043685	0.34621	-0.20446	8.44E-06	-0.12818	0.00554

1.55E-07	0.075063	0.10522	0.086436	0.06199	-0.03066	0.50859	0.071826	0.12114
1.66E-14	-0.10188	0.0277	0.057227	0.21706	-0.17719	0.00012	-0.17269	0.00018
8.64E-05	0.200293	1.29E-05	0.205781	7.36E-06	0.146469	0.0015	0.300042	3.60E-11
1.61E-08	0.037568	0.41796	0.179314	9.77E-05	0.166996	0.00029	0.078484	0.09024
7.52E-05	-0.05404	0.24377	-0.04546	0.32696	-0.22095	1.42E-06	-0.22468	9.34E-07
0.00024	-0.00502	0.91382	0.50759	5.98E-32	0.311217	6.03E-12	0.267422	4.34E-09
0.77558	-0.13484	0.00351	-0.00932	0.84074	-0.20912	5.18E-06	-0.25678	1.81E-08
0.25298	0.074462	0.10804	0.384605	6.52E-18	0.293015	1.07E-10	0.353792	3.24E-15
0.00011	-0.05711	0.218	-0.06188	0.18191	-0.07042	0.12863	-0.0959	0.03829
1.94E-10	0.109738	0.01768	0.47936	3.32E-28	0.329831	2.59E-13	0.42628	4.84E-22
0.19998	0.133155	0.00394	-0.16568	0.00032	-0.16464	0.00035	0.007067	0.87895
0.77308	0.029752	0.52128	0.326438	4.67E-13	0.31338	4.23E-12	0.305238	1.58E-11
0.052	-0.17817	0.00011	-0.39808	3.49E-19	-0.21019	4.62E-06	-0.37023	1.28E-16
3.24E-11	0.069057	0.13619	0.230046	5.02E-07	0.14914	0.00123	0.261389	9.84E-09
0.03168	0.150477	0.00111	0.326747	4.43E-13	0.320042	1.39E-12	0.408782	3.09E-20
1.45E-07	-0.03012	0.51611	1.34E-05	0.99977	0.118244	0.01055	0.011279	0.80793
0.00026	0.050825	0.27303	0.243401	1.00E-07	-0.05195	0.26257	0.034485	0.4572
0.59633	0.246014	7.24E-08	0.061323	0.18587	0.10464	0.02373	0.26413	6.80E-09
0.92156	0.152917	0.00092	0.319616	1.50E-12	0.24603	7.22E-08	0.354235	2.98E-15
0.00075	-0.05769	0.21334	0.351837	4.70E-15	-0.03468	0.45462	-0.01924	0.67837
6.30E-07	0.065533	0.15739	0.249323	4.76E-08	0.085379	0.06526	0.186389	5.06E-05
0.09663	0.268812	3.58E-09	0.207405	6.20E-06	0.362125	6.45E-16	0.503079	2.50E-31
0.84358	-0.1561	0.00071	-0.11453	0.01327	-0.29621	6.53E-11	-0.32208	9.86E-13
0.03098	0.125448	0.00664	0.167768	0.00027	0.117994	0.01071	0.219438	1.69E-06
7.50E-05	0.049456	0.28618	-0.1424	0.00204	-0.02173	0.63948	-0.03417	0.46133
0.00081	-0.07378	0.11131	-0.04958	0.28492	-0.03013	0.51595	-0.02288	0.62187
0.00265	-0.04048	0.38273	0.007659	0.86888	0.051638	0.26542	0.040617	0.38117
0.00033	0.074397	0.10835	0.182423	7.34E-05	0.025447	0.58333	0.170226	0.00022
2.68E-09	0.006673	0.88565	0.119861	0.00952	-0.10115	0.02884	-0.05044	0.27671
0.00015	0.043076	0.35298	-0.03883	0.40243	0.008298	0.85806	0.128481	0.00543
0.0036	-0.00849	0.85473	-0.01436	0.75697	-0.16796	0.00027	-0.06921	0.13534
7.55E-12	0.055047	0.23512	0.293329	1.02E-10	0.117914	0.01077	0.205612	7.49E-06
0.09756	0.04584	0.32292	0.103761	0.02494	0.070735	0.12691	0.149202	0.00122
0.06009	-0.05042	0.27689	-0.24175	1.23E-07	-0.22235	1.22E-06	-0.20903	5.23E-06
0.00023	-0.14738	0.0014	0.049636	0.28442	-0.29997	3.64E-11	-0.34187	3.00E-14
1.18E-05	-0.08277	0.07395	-0.17244	0.00018	-0.10464	0.02373	-0.15983	0.00053
1.29E-15	-0.10195	0.02759	-0.2453	7.92E-08	-0.20461	8.31E-06	-0.29954	3.90E-11
0.75941	-0.03795	0.41329	-0.23567	2.58E-07	-0.08494	0.06665	-0.08693	0.0605
0.70779	-0.00544	0.90668	0.001624	0.97208	-0.16477	0.00035	-0.07272	0.11656
0.18228	0.009426	0.83901	-0.05572	0.22939	-0.02285	0.62228	0.047901	0.30162
5.11E-05	-0.03564	0.44224	-0.20853	5.51E-06	-0.10457	0.02382	-0.12817	0.00554
1.01E-10	-0.09031	0.05114	-0.01154	0.80356	0.042398	0.36062	-0.10005	0.03064
0.00199	0.204923	8.04E-06	0.112815	0.01472	0.125815	0.00648	0.351393	5.11E-15
2.12E-11	0.138778	0.00265	0.036459	0.43184	0.047398	0.30673	0.164125	0.00037
0.00303	-0.11456	0.01324	-0.16487	0.00035	-0.26514	5.93E-09	-0.28578	3.16E-10



3.17E-06	-0.04035	0.38428	-0.04583	0.323	-0.2117	3.93E-06	-0.12042	0.0092
2.32E-09	0.137699	0.00286	0.04012	0.38702	0.058049	0.21052	0.233477	3.35E-07
8.68E-05	-0.16907	0.00024	0.059658	0.19812	-0.23256	3.74E-07	-0.22963	5.27E-07
0.32243	0.110715	0.01669	0.110497	0.0169	0.054159	0.24276	0.221843	1.29E-06
0.00177	0.142906	0.00196	0.367598	2.18E-16	0.14825	0.00131	0.359843	1.01E-15
0.00477	-0.01135	0.8068	0.515811	4.16E-33	0.411005	1.85E-20	0.368407	1.85E-16
0.82708	-0.09039	0.05094	-0.26737	4.37E-09	-0.1308	0.00464	-0.1598	0.00053
0.00025	-0.13347	0.00386	0.426158	4.98E-22	0.280339	7.00E-10	0.195987	2.00E-05
0.00467	-0.02961	0.52329	0.309474	8.00E-12	0.290914	1.46E-10	0.245532	7.69E-08
0.2818	0.05229	0.25943	0.303293	2.16E-11	0.313232	4.33E-12	0.316411	2.56E-12
0.06589	-0.1642	0.00037	0.146641	0.00148	-0.18018	9.02E-05	-0.18063	8.66E-05
7.83E-09	0.117086	0.01134	0.222691	1.17E-06	0.03302	0.47656	0.129433	0.00509
3.05E-08	0.034693	0.45449	0.140919	0.00227	-0.01743	0.70718	0.078316	0.09094
1.65E-08	0.231099	4.44E-07	0.319327	1.57E-12	0.320139	1.37E-12	0.46196	4.59E-26
0.01156	0.056017	0.22695	0.195199	2.16E-05	0.194588	2.29E-05	0.240011	1.52E-07
0.0022	-0.02935	0.52697	0.084204	0.06906	-0.12168	0.00848	-0.03652	0.43109
5.76E-11	0.094871	0.04043	0.324513	6.50E-13	0.21129	4.11E-06	0.266433	4.97E-09
6.99E-06	0.103909	0.02473	0.364875	3.75E-16	0.243731	9.63E-08	0.272393	2.17E-09
0.0131	-0.12079	0.00898	-0.31117	6.08E-12	-0.21026	4.59E-06	-0.3028	2.33E-11
4.65E-05	-0.17992	9.24E-05	-0.34057	3.80E-14	-0.18842	4.17E-05	-0.32418	6.89E-13
2.73E-07	-0.12017	0.00934	-0.28389	4.17E-10	-0.13909	0.00259	-0.26329	7.61E-09
0.00062	-0.10582	0.02219	-0.30263	2.40E-11	-0.18137	8.09E-05	-0.23472	2.89E-07
0.00078	-0.09869	0.03299	0.261868	9.23E-09	0.09225	0.04632	0.14532	0.00164
9.44E-10	0.014574	0.75344	-0.17246	0.00018	0.041274	0.37351	-0.04456	0.33666
0.10251	0.113734	0.01392	0.066627	0.15056	0.051477	0.26692	0.216912	2.23E-06
4.76E-06	0.099209	0.03208	0.254476	2.45E-08	0.102409	0.0269	0.151243	0.00104
0.05489	0.066804	0.14948	0.267198	4.47E-09	0.264392	6.56E-09	0.263656	7.25E-09
0.03456	0.063915	0.16792	0.066506	0.1513	-0.06781	0.1434	0.071459	0.12306
0.00204	0.087823	0.0579	-0.01794	0.69893	0.030036	0.51732	0.127931	0.00563
7.44E-16	0.052548	0.25708	0.155426	0.00075	0.022417	0.62895	0.134805	0.00352
0.00055	-0.02903	0.53148	-0.03378	0.46645	-0.03745	0.41944	-0.00621	0.89347
1.37E-15	-0.07236	0.1184	-0.15954	0.00054	0.057657	0.21362	-0.10871	0.01878
0.00326	-0.09713	0.03588	-0.04993	0.28162	-0.14802	0.00134	-0.14844	0.0013
6.42E-07	0.081671	0.07788	0.026278	0.57109	-0.07756	0.09409	0.037742	0.41581
3.38E-08	0.199499	1.40E-05	0.240055	1.52E-07	0.162277	0.00043	0.329137	2.92E-13
0.82303	-0.1657	0.00032	0.321007	1.18E-12	0.078387	0.09064	0.057239	0.21696
0.11031	-0.01479	0.74991	-0.23627	2.40E-07	-0.09001	0.05191	-0.15244	0.00095
0.23059	0.076864	0.09711	0.340617	3.77E-14	0.402387	1.33E-19	0.462692	3.75E-26
4.20E-16	0.037124	0.42348	0.122529	0.00803	-0.10763	0.02	0.055213	0.2337
1.02E-11	0.058534	0.20672	0.188322	4.21E-05	-0.00426	0.92689	0.087211	0.05967
1.47E-08	0.01913	0.68009	0.135595	0.00333	0.129283	0.00514	0.138816	0.00264
1.42E-12	0.084531	0.06799	0.109861	0.01755	-0.02635	0.57011	0.147888	0.00135
1.32E-10	0.061746	0.18285	0.187292	4.65E-05	-0.0558	0.22878	0.134262	0.00365
0.11995	-0.16362	0.00038	0.087136	0.0599	-0.22	1.58E-06	-0.26538	5.73E-09
0.11159	0.063411	0.17131	0.06565	0.15665	-0.00246	0.95768	0.060142	0.1945

2.16E-05	0.053797	0.24593	0.091583	0.04793	-0.0473	0.30775	0.056327	0.22439
1.49E-05	0.021215	0.64746	-0.04926	0.28814	0.156574	0.00069	0.055631	0.23018
8.53E-06	-0.09055	0.05051	-0.30421	1.87E-11	-0.08482	0.06705	-0.1712	0.0002
0.0003	-0.20267	1.01E-05	-0.10727	0.02041	-0.31764	2.08E-12	-0.31278	4.67E-12
1.19E-08	-0.04139	0.3722	-0.2771	1.12E-09	-0.11155	0.01588	-0.16826	0.00026
0.10605	0.073811	0.11117	-0.07961	0.0857	0.041632	0.36937	0.036872	0.42665
1.75E-05	-0.04463	0.33584	0.107379	0.02029	-0.0133	0.77435	0.021281	0.64644
0.00051	-0.11885	0.01015	-0.22812	6.28E-07	-0.15309	0.0009	-0.26776	4.14E-09
0.57838	-0.05897	0.20339	-0.21509	2.72E-06	-0.21529	2.66E-06	-0.18036	8.88E-05
0.0144	0.168978	0.00024	0.048471	0.2959	-0.00198	0.96589	0.166443	0.0003
5.08E-05	-0.0568	0.2205	0.100233	0.03033	-0.04498	0.33208	-0.01723	0.71032
0.01816	-0.02395	0.60567	0.118508	0.01037	-0.08015	0.08359	-0.0522	0.26025
0.05547	-0.07761	0.09392	0.247519	5.99E-08	0.053437	0.24911	0.079413	0.08648
0.00044	0.036544	0.43077	0.189211	3.87E-05	0.050544	0.2757	0.095297	0.03954
0.00032	0.157835	0.00062	0.23569	2.57E-07	0.209608	4.92E-06	0.298788	4.38E-11
0.27328	0.204312	8.57E-06	0.573772	3.08E-42	0.467251	1.06E-26	0.561338	3.98E-40
4.38E-06	-0.03785	0.41443	0.148427	0.0013	-0.07443	0.10819	-0.03869	0.40417
0.1334	-0.12233	0.00814	-0.22352	1.06E-06	-0.07872	0.08926	-0.16329	0.0004
0.00027	0.243806	9.54E-08	0.168992	0.00024	0.24685	6.52E-08	0.387459	3.55E-18
3.31E-06	0.257345	1.68E-08	0.072406	0.11815	-0.00988	0.83135	0.127281	0.00588
0.58458	-0.12768	0.00573	-0.13082	0.00463	-0.13386	0.00376	-0.22776	6.55E-07
1.81E-06	-0.1647	0.00035	-0.25636	1.92E-08	-0.15096	0.00107	-0.27635	1.24E-09
0.00121	-0.06924	0.13518	0.059139	0.20206	-0.17659	0.00013	-0.1372	0.00297
0.00975	0.167344	0.00028	0.045147	0.33029	-0.01591	0.73159	0.156798	0.00067
0.9076	-0.07083	0.12642	0.024526	0.59703	-0.19265	2.77E-05	-0.14096	0.00226
0.43759	0.265807	5.41E-09	0.205518	7.56E-06	0.216285	2.39E-06	0.449009	1.50E-24
1.04E-06	0.013564	0.77002	0.010259	0.825	-0.10581	0.02221	-0.01561	0.73653
0.00537	-0.08478	0.06719	0.075646	0.10254	-0.12368	0.00745	-0.0901	0.05167
0.00014	0.114483	0.0133	0.233739	3.25E-07	0.094787	0.04061	0.291104	1.42E-10
0.24016	0.018551	0.68927	0.137575	0.00289	0.032411	0.48473	0.102173	0.02726
0.98026	0.127589	0.00576	0.380044	1.71E-17	0.309844	7.54E-12	0.413733	9.76E-21
0.00441	-0.00185	0.96819	-0.06977	0.13218	-0.14757	0.00138	-0.14693	0.00145
0.00248	0.08347	0.07153	-0.11621	0.01197	-0.18785	4.41E-05	-0.10589	0.0221
0.86867	-0.19988	1.35E-05	-0.38777	3.31E-18	-0.37564	4.25E-17	-0.46456	2.24E-26
0.00025	0.165844	0.00032	0.507104	6.98E-32	0.311967	5.33E-12	0.449026	1.50E-24
6.22E-05	-0.06227	0.17917	0.054941	0.23602	-0.13728	0.00295	-0.08769	0.05828
0.32778	0.028036	0.5456	-0.12194	0.00834	-0.06983	0.13185	0.002493	0.95715
0.47448	-0.09794	0.03434	0.02116	0.64831	-0.08494	0.06665	-0.0884	0.05628
0.00014	-0.03907	0.39952	0.04833	0.29731	-0.14566	0.0016	-0.12984	0.00495
0.00363	-0.09983	0.03101	-0.08407	0.06951	-0.24603	7.22E-08	-0.23449	2.97E-07
0.13603	-0.055	0.23553	0.192815	2.73E-05	0.308042	1.01E-11	0.258533	1.44E-08
0.47422	-0.11364	0.014	-0.29592	6.82E-11	-0.22736	6.86E-07	-0.29348	9.92E-11
1.70E-10	0.149399	0.0012	0.115505	0.0125	0.040564	0.38179	0.220822	1.44E-06
0.80507	-0.06443	0.16452	0.005089	0.91267	-0.16682	0.00029	-0.12264	0.00797
0.18578	-0.03723	0.42216	0.272932	2.02E-09	0.221352	1.36E-06	0.227036	7.12E-07

0.07119	-0.07877	0.08905	0.136706	0.00307	0.081186	0.07966	0.059865	0.19657
0.29111	0.400646	1.96E-19	0.117033	0.01137	0.056713	0.22122	0.226793	7.32E-07
0.01842	0.058888	0.20399	-0.10516	0.02304	-0.27177	2.37E-09	-0.145	0.00168
0.02222	0.01067	0.81811	-0.07166	0.12203	-0.2524	3.21E-08	-0.12617	0.00633
0.65311	0.044446	0.33787	0.391204	1.58E-18	0.117515	0.01104	0.183336	6.74E-05
0.00044	-0.00352	0.93946	-0.05359	0.24779	-0.1583	0.0006	-0.10753	0.02011
7.49E-05	-0.16202	0.00044	-0.05777	0.21274	-0.16041	0.0005	-0.23644	2.35E-07
0.28049	-0.00024	0.99588	0.408276	3.47E-20	0.199119	1.46E-05	0.262334	8.66E-09
0.87522	0.225967	8.05E-07	0.209986	4.72E-06	0.209069	5.20E-06	0.385112	5.86E-18
0.30858	0.031869	0.49207	-0.11371	0.01395	-0.16217	0.00043	0.001447	0.97511
0.0028	-0.02974	0.52139	-0.05309	0.25218	0.103202	0.02573	-0.0444	0.3384
2.73E-05	0.004562	0.92168	0.016596	0.72056	-0.13165	0.00437	-0.02767	0.55091
0.00397	0.185045	5.75E-05	0.256628	1.85E-08	0.334772	1.08E-13	0.434625	6.11E-23
2.75E-16	0.050176	0.27922	0.159208	0.00055	-0.00412	0.92917	0.106979	0.02076
0.45074	-0.04499	0.33202	0.04712	0.30958	-0.16533	0.00033	-0.0926	0.0455
9.68E-21	0.03896	0.40091	0.151476	0.00102	-0.05082	0.27307	0.091503	0.04813
0.0586	-0.11591	0.01219	0.121383	0.00864	-0.18545	5.53E-05	-0.18189	7.71E-05
0.00034	-0.20515	7.86E-06	0.058046	0.21054	-0.28681	2.71E-10	-0.29968	3.81E-11
0.00821	0.04389	0.34395	0.025727	0.57919	-0.14913	0.00123	-0.04005	0.38785
0.00949	0.108659	0.01883	0.005411	0.90716	0.004843	0.91687	0.154897	0.00078
6.41E-13	0.011113	0.81071	0.055396	0.23215	-0.19057	3.40E-05	-0.09513	0.03989
0.01189	-0.12653	0.00618	-0.30888	8.82E-12	-0.20259	1.02E-05	-0.32269	8.89E-13
0.00105	-0.06493	0.16123	-0.1018	0.02783	-0.04254	0.35904	-0.11936	0.00983
0.00475	0.052716	0.25556	0.038793	0.40293	-0.10227	0.0271	0.021653	0.6407
0.27173	0.062081	0.18048	-0.08299	0.07317	-0.0821	0.07633	0.055111	0.23457
0.02638	0.045523	0.32628	0.03771	0.4162	-0.11864	0.01028	-0.02138	0.64497
0.00098	0.059563	0.19884	0.182515	7.28E-05	0.135842	0.00327	0.132085	0.00425
0.15979	0.146057	0.00155	0.168956	0.00024	0.086685	0.06124	0.259243	1.31E-08
1.82E-07	-0.10764	0.01999	0.077159	0.09583	-0.12166	0.00849	-0.1496	0.00118
9.51E-10	-0.04554	0.3261	0.074719	0.10683	-0.04303	0.35351	-0.01661	0.72041
9.16E-12	0.01169	0.80108	0.116653	0.01164	-0.0389	0.40169	0.059695	0.19785
5.60E-06	-0.08313	0.0727	-0.0117	0.80097	-0.12876	0.00533	-0.16991	0.00023
0.00029	-0.15617	0.00071	-0.17197	0.00019	0.029209	0.52891	-0.20788	5.90E-06
0.00057	0.084804	0.0671	0.098504	0.03332	0.032086	0.48912	0.138424	0.00272
2.20E-05	-0.07871	0.08933	-0.05383	0.24562	0.019915	0.66773	-0.11059	0.01681
5.00E-05	0.017477	0.70639	0.160525	0.0005	0.01726	0.70988	0.019851	0.66874
6.03E-13	0.152248	0.00096	0.302058	2.62E-11	0.177376	0.00012	0.332695	1.56E-13
1.05E-09	0.168874	0.00025	0.311215	6.03E-12	0.309235	8.32E-12	0.427647	3.46E-22
2.95E-06	0.322604	9.02E-13	0.276371	1.24E-09	0.305994	1.40E-11	0.513205	9.76E-33
2.14E-22	0.086275	0.06248	0.215996	2.47E-06	0.026266	0.57127	0.175814	0.00013
7.97E-05	0.06657	0.15091	0.313251	4.32E-12	0.275385	1.43E-09	0.195881	2.02E-05
3.02E-09	-0.0165	0.72216	0.024377	0.59926	-0.19471	2.26E-05	-0.0645	0.16406
3.27E-14	0.058142	0.20979	0.036365	0.43304	-0.08079	0.08113	0.079264	0.08708
0.00505	0.086026	0.06324	0.223032	1.13E-06	0.215504	2.60E-06	0.351761	4.76E-15
0.00178	0.117626	0.01096	0.219782	1.62E-06	0.245175	8.04E-08	0.347721	1.02E-14

5.05E-06	-0.05251	0.2574	-0.26398	6.94E-09	0.097009	0.03611	-0.0711	0.12494
6.61E-07	0.106529	0.02131	0.380221	1.64E-17	0.257195	1.72E-08	0.362822	5.62E-16
0.00809	-0.00508	0.91274	0.170298	0.00022	0.24968	4.55E-08	0.226978	7.17E-07
1.97E-08	0.039656	0.39255	-0.19783	1.66E-05	-0.05884	0.20433	-0.04376	0.34542
0.95193	-0.15884	0.00057	-0.22419	9.86E-07	-0.13278	0.00405	-0.25732	1.69E-08
2.41E-13	0.124643	0.007	0.264605	6.37E-09	0.131391	0.00445	0.246372	6.92E-08
0.0691	0.002119	0.96357	0.190635	3.37E-05	-0.05531	0.23285	0.053776	0.24612
9.88E-10	0.313766	3.97E-12	0.315206	3.13E-12	0.369833	1.39E-16	0.571345	8.08E-42
5.83E-09	0.128512	0.00541	0.157034	0.00066	-0.00397	0.9318	0.202714	1.01E-05
1.68E-05	0.113335	0.01426	0.421837	1.42E-21	0.125786	0.00649	0.228905	5.73E-07
0.12874	-0.1844	6.11E-05	-0.16795	0.00027	-0.15701	0.00066	-0.35032	6.26E-15
0.20141	-0.04743	0.30643	0.009517	0.83747	-0.12345	0.00757	-0.11394	0.01375
0.23581	0.022742	0.624	0.189161	3.89E-05	0.134965	0.00348	0.192205	2.90E-05
0.00085	0.117328	0.01117	-0.01138	0.80623	-0.03229	0.4863	0.113308	0.01429
2.09E-07	-0.07331	0.11361	0.048364	0.29697	-0.11421	0.01353	-0.16528	0.00033
0.29864	-0.0719	0.12074	-0.24599	7.26E-08	-0.17152	0.0002	-0.15083	0.00108
4.74E-05	-0.05287	0.25422	-0.2539	2.64E-08	-0.11407	0.01365	-0.13368	0.0038
0.04676	-0.04051	0.38245	0.25365	2.73E-08	0.069848	0.13175	0.044523	0.33704
0.40921	0.216662	2.29E-06	0.260123	1.17E-08	0.139539	0.00251	0.381878	1.16E-17
0.63914	0.012713	0.78407	-0.21003	4.70E-06	-0.04795	0.3011	-0.07365	0.11197
0.00034	0.14633	0.00152	0.189499	3.76E-05	0.258756	1.40E-08	0.419932	2.25E-21
0.06352	-0.10306	0.02594	-0.30171	2.77E-11	-0.27978	7.60E-10	-0.27726	1.09E-09
2.83E-14	0.078312	0.09095	0.099263	0.03198	-0.07765	0.09371	0.100197	0.03039
0.1811	-0.02465	0.59524	0.118368	0.01046	-0.11043	0.01697	0.003127	0.94627
0.40766	-0.04329	0.35056	0.010666	0.81818	-0.05128	0.26873	-0.07746	0.09455
0.36657	0.02302	0.61975	-0.06658	0.15085	0.01277	0.78314	-0.00903	0.84573
0.87429	-0.11486	0.013	0.042915	0.35479	-0.13217	0.00422	-0.21035	4.54E-06
0.97999	-0.13398	0.00372	-0.05067	0.27454	-0.27549	1.40E-09	-0.33167	1.87E-13
1.19E-11	0.102129	0.02732	0.271554	2.45E-09	0.14668	0.00148	0.265473	5.66E-09
0.00022	-0.02265	0.62539	0.334828	1.07E-13	0.176934	0.00012	0.148135	0.00133
0.00627	0.042412	0.36047	-0.06748	0.14537	0.0508	0.27327	-0.03433	0.45929
0.0843	0.061262	0.18631	0.030994	0.50404	0.054188	0.24251	0.038453	0.40707
2.42E-19	0.093925	0.04248	0.15465	0.0008	0.032784	0.47971	0.183047	6.93E-05
6.25E-13	0.028587	0.53774	0.143771	0.00184	-0.05193	0.26275	0.062561	0.17712
0.00041	-0.03225	0.48695	-0.07347	0.11281	-0.20411	8.75E-06	-0.09388	0.04259
0.82877	-0.04386	0.3443	-0.04067	0.38055	-0.18356	6.60E-05	-0.11177	0.01567
0.06776	-0.00594	0.89822	0.015979	0.73054	-0.19282	2.73E-05	-0.11915	0.00996
0.00642	-0.11478	0.01307	-0.4163	5.34E-21	-0.32555	5.44E-13	-0.31741	2.17E-12
0.03123	-0.1912	3.19E-05	-0.01155	0.80343	-0.25185	3.45E-08	-0.28734	2.50E-10
0.54459	-0.04576	0.32381	0.160393	0.0005	-0.10431	0.02418	-0.09892	0.03258
0.95175	0.096052	0.03799	0.51554	4.54E-33	0.21771	2.04E-06	0.295858	6.89E-11
2.48E-08	-0.00773	0.86774	0.12996	0.00491	-0.12879	0.00531	-0.08243	0.07515
6.18E-05	-0.20528	7.75E-06	-0.11851	0.01037	-0.23495	2.81E-07	-0.23975	1.57E-07
0.00091	0.193347	2.59E-05	0.248718	5.14E-08	0.178988	0.0001	0.341936	2.97E-14
0.03666	0.147681	0.00137	0.210627	4.41E-06	0.179149	9.92E-05	0.330204	2.42E-13

0.19227	-0.14295	0.00196	-0.05619	0.22551	-0.26039	1.12E-08	-0.28304	4.73E-10
0.05901	0.181105	8.29E-05	0.45614	2.24E-25	0.334902	1.06E-13	0.491792	8.23E-30
5.35E-05	-0.0455	0.32648	0.147793	0.00136	-0.04854	0.29525	-0.0371	0.42376
7.14E-09	0.109902	0.01751	0.320886	1.21E-12	0.30247	2.46E-11	0.358602	1.28E-15
0.00328	0.123831	0.00738	0.279015	8.48E-10	0.230303	4.87E-07	0.312781	4.67E-12
0.00534	-0.12653	0.00618	0.073296	0.11369	-0.21841	1.89E-06	-0.22287	1.15E-06
3.46E-08	0.010154	0.82677	-0.13542	0.00337	0.09668	0.03675	-0.00254	0.95627
0.00017	0.004132	0.92904	0.033269	0.47324	-0.11034	0.01706	-0.03636	0.43316
0.26244	-0.04094	0.37738	0.152537	0.00094	0.109869	0.01754	0.193844	2.47E-05
0.00031	-0.07962	0.08566	-0.27955	7.85E-10	-0.19996	1.34E-05	-0.24362	9.76E-08
0.16659	-0.04238	0.36084	-0.07475	0.10669	-0.20964	4.90E-06	-0.14583	0.00158
0.012	0.069923	0.13134	0.169817	0.00023	0.060779	0.18981	0.155652	0.00074
1.77E-08	-0.03834	0.40849	0.191411	3.13E-05	-0.08415	0.06923	-0.08157	0.07826
2.25E-05	-0.12836	0.00547	-0.01496	0.74704	-0.16267	0.00042	-0.19421	2.38E-05
0.01212	0.072207	0.11917	0.19769	1.68E-05	0.100628	0.02968	0.177873	0.00011
0.51303	0.014268	0.75844	0.207688	6.02E-06	0.047788	0.30276	0.125785	0.00649
0.33193	0.147303	0.00141	0.020667	0.65599	-0.0399	0.38966	0.147625	0.00138
0.22696	-0.22673	7.37E-07	0.052299	0.25935	-0.20904	5.22E-06	-0.23777	2.00E-07
8.92E-05	0.074775	0.10656	0.133988	0.00372	0.010491	0.82111	0.09844	0.03344
2.98E-05	0.014499	0.75465	0.422798	1.13E-21	0.318945	1.67E-12	0.390435	1.87E-18
0.18829	0.071003	0.12547	0.441126	1.17E-23	0.218342	1.90E-06	0.352576	4.08E-15
8.91E-05	-0.09312	0.04429	0.078001	0.09224	-0.28597	3.07E-10	-0.20567	7.44E-06
0.00016	0.104139	0.02441	0.188335	4.21E-05	0.088473	0.05606	0.159168	0.00056
2.21E-09	0.018276	0.69365	-0.1431	0.00193	0.083207	0.07243	-0.02533	0.58506
0.00284	-0.27034	2.90E-09	-0.30139	2.91E-11	-0.18201	7.63E-05	-0.39803	3.53E-19
3.63E-07	0.094846	0.04049	0.115067	0.01284	0.087983	0.05744	0.141768	0.00213
0.97848	0.078595	0.08979	0.073807	0.11119	-0.0629	0.17479	0.050699	0.27422
1.16E-08	-0.12424	0.00719	-0.20726	6.30E-06	-0.03155	0.4964	-0.13359	0.00383
0.20676	0.145273	0.00165	0.296451	6.29E-11	0.378845	2.19E-17	0.443234	6.80E-24
0.00017	0.266027	5.25E-09	0.324087	7.00E-13	0.32625	4.82E-13	0.469071	6.34E-27
1.17E-05	0.083712	0.07071	0.271604	2.43E-09	0.201764	1.11E-05	0.275186	1.47E-09
0.46067	-0.13412	0.00369	-0.17619	0.00013	-0.18314	6.87E-05	-0.3255	5.48E-13
2.92E-11	0.066617	0.15062	0.052009	0.262	-0.03372	0.46728	0.038077	0.41168
2.03E-07	0.179613	9.51E-05	0.142652	0.002	0.206569	6.77E-06	0.264555	6.42E-09
6.80E-10	0.158193	0.0006	0.364223	4.27E-16	0.275889	1.33E-09	0.350608	5.92E-15
1.19E-13	0.154	0.00084	0.1644	0.00036	0.0936	0.0432	0.251453	3.63E-08
0.00066	-0.01677	0.71774	-0.18861	4.10E-05	-0.22335	1.09E-06	-0.13585	0.00327
0.07776	-0.14089	0.00227	-0.1019	0.02767	-0.24524	7.98E-08	-0.24514	8.07E-08
2.33E-11	0.000702	0.98793	0.118587	0.01032	0.034539	0.4565	0.056433	0.22352
0.05423	-0.04839	0.29667	-0.01186	0.79831	-0.00455	0.92187	-0.10268	0.02649
2.02E-08	0.099154	0.03217	0.090742	0.05003	-0.03202	0.48998	0.130938	0.00459
0.00011	0.052854	0.25432	0.377451	2.93E-17	0.144911	0.00169	0.303409	2.12E-11
0.31773	-0.09939	0.03176	-0.15505	0.00077	-0.15298	0.00091	-0.2301	4.99E-07
0.0979	0.000564	0.99031	0.33464	1.11E-13	0.259533	1.26E-08	0.310917	6.33E-12
0.59192	0.060145	0.19448	0.368387	1.86E-16	0.152359	0.00096	0.211613	3.97E-06

0.00014	-0.16438	0.00036	-0.20102	1.20E-05	-0.07896	0.08829	-0.2152	2.69E-06
0.00218	0.176906	0.00012	0.465887	1.55E-26	0.427322	3.75E-22	0.454678	3.33E-25
0.0045	-0.0381	0.41138	0.026859	0.56261	-0.11405	0.01366	-0.08906	0.05444
0.00581	-0.01066	0.81824	0.120155	0.00935	-0.04033	0.38453	-0.034	0.46354
1.90E-06	-0.11965	0.00965	0.102762	0.02638	0.00553	0.90513	-0.10134	0.02854
1.40E-05	0.15198	0.00099	0.417553	3.96E-21	0.363374	5.04E-16	0.484646	7.02E-29
3.62E-09	-0.05873	0.2052	-0.18377	6.47E-05	-0.19236	2.85E-05	-0.20805	5.80E-06
1.87E-13	0.181791	7.78E-05	0.25291	3.01E-08	0.145133	0.00166	0.347864	9.92E-15
0.25989	-0.05714	0.21774	0.174639	0.00015	0.160433	0.0005	0.07072	0.12699
0.00102	0.048163	0.29898	0.197965	1.64E-05	0.224731	9.28E-07	0.159067	0.00056
0.001	-0.04807	0.29994	0.04815	0.29911	-0.23625	2.40E-07	-0.1431	0.00193
0.00323	0.182183	7.51E-05	0.071712	0.12173	0.012198	0.79263	0.046657	0.31436
1.73E-16	0.108879	0.01859	0.141446	0.00218	0.072915	0.11559	0.186222	5.14E-05
0.02925	-0.06875	0.13794	0.073687	0.11177	-0.16175	0.00045	-0.13542	0.00337
0.24128	0.077471	0.09449	0.214619	2.87E-06	0.138782	0.00265	0.214007	3.06E-06
0.00074	-0.03713	0.42343	0.049864	0.28222	0.011297	0.80763	-0.00672	0.88484
0.01556	0.058896	0.20393	0.154755	0.00079	0.067107	0.14764	0.103076	0.02592
2.03E-06	-0.1216	0.00852	0.168959	0.00024	-0.05939	0.20018	-0.07023	0.12967
1.16E-08	0.052561	0.25696	0.118856	0.01015	0.020139	0.66423	0.064702	0.16273
0.00041	0.183016	6.95E-05	0.447229	2.40E-24	0.371484	9.95E-17	0.498635	1.01E-30
0.00663	-0.03419	0.46111	0.054236	0.24209	0.098761	0.03286	0.154591	0.0008
2.01E-13	0.157904	0.00062	0.19238	2.85E-05	0.130351	0.00478	0.334867	1.06E-13
0.0557	0.01418	0.75989	0.004754	0.91839	-0.09737	0.03541	0.017641	0.70377
0.88991	0.107423	0.02024	0.274922	1.52E-09	0.24386	9.48E-08	0.280134	7.21E-10
0.39168	-0.01961	0.67251	0.089326	0.05373	0.114247	0.0135	0.052937	0.25357
0.00182	-0.0421	0.36406	-0.18401	6.33E-05	-0.06513	0.15994	-0.16844	0.00026
1.66E-05	0.098534	0.03327	0.198785	1.51E-05	-0.006	0.89715	0.154409	0.00081
3.31E-13	0.201812	1.11E-05	0.185107	5.71E-05	0.143166	0.00193	0.315819	2.82E-12
0.3096	0.001796	0.96913	-0.19755	1.71E-05	-0.11821	0.01057	-0.06816	0.14135
1.45E-07	-0.08676	0.061	0.107525	0.02012	-0.15318	0.0009	-0.0963	0.03749
0.11502	0.032434	0.48442	0.047167	0.30909	0.05631	0.22453	0.123185	0.0077
4.32E-12	-0.12006	0.00941	0.069864	0.13167	-0.29543	7.36E-11	-0.23071	4.65E-07
0.0075	0.154174	0.00083	0.078363	0.09074	0.124262	0.00718	0.260319	1.14E-08
0.01101	0.075194	0.10461	0.012576	0.78635	-0.06933	0.13464	-0.02877	0.53507
0.50794	0.171013	0.0002	0.253347	2.84E-08	0.240415	1.45E-07	0.308285	9.70E-12
0.16994	0.083383	0.07183	0.395828	5.74E-19	0.261967	9.10E-09	0.329481	2.75E-13
0.00014	0.071488	0.1229	0.194087	2.41E-05	0.037167	0.42295	0.15016	0.00113
0.00014	0.086261	0.06252	0.215599	2.58E-06	0.177904	0.00011	0.247244	6.20E-08
7.46E-17	0.068045	0.14204	0.212197	3.73E-06	0.063585	0.17013	0.193907	2.45E-05
6.01E-06	0.042447	0.36007	0.229499	5.35E-07	0.215025	2.74E-06	0.052385	0.25856
0.2412	0.127668	0.00573	0.245384	7.83E-08	0.246394	6.90E-08	0.239746	1.57E-07
4.45E-06	0.120011	0.00943	0.401203	1.73E-19	0.340818	3.64E-14	0.475956	8.91E-28
0.29383	0.046685	0.31407	-0.08111	0.07994	-0.16932	0.00024	-0.16597	0.00032
0.28045	-0.04909	0.28972	0.001294	0.97776	-0.17718	0.00012	-0.0872	0.0597
0.06367	0.082506	0.07487	0.208736	5.39E-06	0.151717	0.00101	0.220576	1.48E-06

0.25895	0.035435	0.44489	-0.05488	0.23657	-0.18873	4.05E-05	-0.0688	0.13764
0.56439	-0.00835	0.85712	0.130663	0.00468	-0.12014	0.00936	0.04647	0.31631
3.60E-07	0.030024	0.51748	0.090865	0.04972	0.036059	0.43692	0.086778	0.06096
0.65322	0.318949	1.67E-12	0.217806	2.02E-06	0.176249	0.00013	0.360092	9.60E-16
0.41388	-0.04957	0.28511	0.082614	0.0745	-0.07598	0.10102	0.028713	0.53594
3.43E-10	-0.1096	0.01782	-0.26794	4.04E-09	-0.06706	0.14789	-0.23723	2.14E-07
2.99E-05	-0.09793	0.03437	-0.02446	0.598	-0.24877	5.11E-08	-0.2544	2.48E-08
0.00436	0.123561	0.00751	0.284722	3.69E-10	0.206816	6.60E-06	0.317278	2.21E-12
0.04444	-0.04568	0.32465	-0.19092	3.28E-05	-0.05278	0.25497	-0.13928	0.00256
0.37811	0.033754	0.46681	-0.02763	0.5515	0.160301	0.00051	0.11355	0.01408
4.05E-10	-0.16602	0.00031	-0.2041	8.76E-06	-0.26482	6.19E-09	-0.47423	1.46E-27
0.18686	-0.12506	0.00681	0.239865	1.55E-07	0.06485	0.16177	-0.00049	0.99164
0.88696	-0.25444	2.46E-08	0.044489	0.3374	-0.07809	0.09189	-0.22262	1.18E-06
0.25232	-0.09515	0.03984	-0.31622	2.64E-12	-0.26239	8.59E-09	-0.27356	1.85E-09
0.08861	0.06719	0.14713	0.167331	0.00028	0.060613	0.19102	0.132605	0.0041
4.73E-09	0.04748	0.30589	0.270296	2.91E-09	0.038689	0.40419	0.153007	0.00091
0.0016	0.036439	0.4321	0.391211	1.58E-18	0.344807	1.75E-14	0.257411	1.67E-08
8.68E-08	0.025873	0.57703	0.178577	0.0001	-0.01706	0.71308	0.083485	0.07148
5.14E-05	-0.11655	0.01172	-0.04528	0.32886	-0.12184	0.0084	-0.11465	0.01317
1.21E-12	0.010438	0.82201	0.158167	0.0006	-0.00854	0.854	0.067357	0.14613
0.02636	-0.01188	0.7979	-0.19296	2.69E-05	-0.03304	0.47623	-0.03758	0.41783
0.26745	0.141722	0.00214	0.291235	1.40E-10	0.248482	5.30E-08	0.312367	4.99E-12
0.38015	0.060017	0.19544	0.109979	0.01743	0.110848	0.01656	0.105646	0.02241
3.27E-13	0.058349	0.20817	0.186819	4.86E-05	0.003442	0.94087	0.132158	0.00422
1.01E-07	0.067191	0.14713	0.19366	2.51E-05	-0.02349	0.61256	0.100083	0.03058
0.1406	0.063826	0.16851	0.423226	1.02E-21	0.263977	6.94E-09	0.390047	2.03E-18
0.61494	0.124849	0.00691	0.179211	9.86E-05	0.087048	0.06016	0.181208	8.21E-05
0.00339	0.181266	8.17E-05	0.07578	0.10193	0.098748	0.03289	0.269774	3.13E-09
5.60E-09	0.103279	0.02562	0.337804	6.28E-14	0.206939	6.52E-06	0.331945	1.78E-13
6.44E-07	0.037286	0.42147	0.055288	0.23307	-0.04921	0.28861	0.087693	0.05827
0.05435	0.175997	0.00013	0.290445	1.57E-10	0.263093	7.82E-09	0.394763	7.26E-19
3.37E-05	-0.00384	0.93399	0.027914	0.54735	-0.0774	0.09479	-0.02262	0.62581
0.8087	0.175132	0.00014	0.227821	6.50E-07	0.10575	0.02228	0.201707	1.12E-05
0.66309	0.01705	0.71325	0.077666	0.09366	-0.01894	0.68302	0.003221	0.94466
0.09659	0.001205	0.97928	-0.28022	7.13E-10	-0.09032	0.05112	-0.12043	0.00919
0.00089	-0.09487	0.04043	-0.00019	0.99675	-0.26868	3.65E-09	-0.24233	1.15E-07
2.86E-05	0.090877	0.04968	0.170249	0.00022	0.010669	0.81813	0.204145	8.72E-06
0.00657	0.222028	1.26E-06	0.275511	1.40E-09	0.211448	4.04E-06	0.394648	7.44E-19
3.96E-14	0.146659	0.00148	0.265735	5.46E-09	0.08573	0.06416	0.204869	8.09E-06
0.09081	0.00149	0.97439	-0.09783	0.03455	0.001953	0.96642	-0.06497	0.16098
1.99E-05	-0.18347	6.66E-05	0.104937	0.02334	-0.25554	2.14E-08	-0.29438	8.64E-11
2.42E-12	-0.02101	0.65061	-0.01458	0.75334	-0.20292	9.90E-06	-0.14824	0.00131
0.88677	-0.15098	0.00107	0.08213	0.07621	-0.25941	1.28E-08	-0.26532	5.78E-09
0.72416	-0.07761	0.09391	0.042096	0.36405	-0.05189	0.26311	-0.05768	0.21345
0.33725	-0.06083	0.18947	0.344881	1.73E-14	0.018031	0.69754	0.033095	0.47556

0.06105	0.217042	2.20E-06	0.170725	0.00021	0.209967	4.73E-06	0.33548	9.53E-14
0.00012	-0.09923	0.03204	-0.03966	0.3925	-0.18506	5.74E-05	-0.17442	0.00015
0.0001	-0.06503	0.16059	-0.02382	0.60757	-0.25714	1.73E-08	-0.1937	2.50E-05
0.21705	-0.17003	0.00022	-0.38649	4.36E-18	-0.29658	6.17E-11	-0.3719	9.15E-17
0.01411	-0.01796	0.69872	0.112069	0.01539	-0.0454	0.32755	0.035998	0.4377
0.02568	0.245936	7.31E-08	0.093651	0.04309	0.14049	0.00234	0.363343	5.08E-16
0.01304	0.124792	0.00693	0.060786	0.18976	-0.02002	0.66612	0.116316	0.01189
4.79E-05	-0.08736	0.05924	0.078891	0.08858	-0.14455	0.00174	-0.14276	0.00198
1.48E-08	-0.0431	0.35268	0.199817	1.36E-05	-0.06776	0.14374	-0.02141	0.64447
2.84E-12	0.033672	0.4679	0.137681	0.00287	0.027304	0.55615	0.110301	0.0171
6.74E-08	0.112045	0.01542	0.222131	1.25E-06	0.144343	0.00176	0.28958	1.79E-10
0.00235	-0.17627	0.00013	-0.07131	0.12383	-0.24101	1.35E-07	-0.19927	1.44E-05
8.18E-05	0.15594	0.00072	0.478711	4.01E-28	0.396085	5.42E-19	0.537966	2.17E-36
3.96E-06	0.10318	0.02577	0.216029	2.46E-06	0.110963	0.01644	0.268775	3.60E-09
0.00164	0.144601	0.00173	0.299672	3.81E-11	0.121302	0.00869	0.256871	1.79E-08
0.00011	-0.01671	0.71873	0.08113	0.07987	-0.13513	0.00344	-0.07012	0.13027
0.00098	0.101584	0.02816	0.201696	1.12E-05	0.234961	2.81E-07	0.281149	6.23E-10
4.22E-10	0.167919	0.00027	0.108339	0.01919	0.137517	0.0029	0.248534	5.27E-08
0.79298	-0.15798	0.00061	-0.109	0.01846	-0.23602	2.47E-07	-0.2619	9.19E-09
0.22839	-0.00136	0.97661	0.226887	7.24E-07	0.067679	0.14421	0.111803	0.01564
1.32E-06	-0.06944	0.13405	-0.29122	1.40E-10	-0.17872	0.0001	-0.22557	8.42E-07
0.36385	-0.04391	0.34376	0.039724	0.39173	0.031209	0.50108	0.004877	0.91629
0.62696	0.093675	0.04304	0.306399	1.31E-11	-0.00771	0.86808	0.171989	0.00019
1.72E-09	0.141542	0.00217	0.282076	5.44E-10	0.206388	6.90E-06	0.301417	2.90E-11
1.25E-06	0.171556	0.0002	0.235904	2.51E-07	0.026889	0.56217	0.233749	3.24E-07
0.61045	-0.03751	0.4187	0.107827	0.01977	-0.03095	0.50464	0.011033	0.81205
0.0179	-0.14753	0.00139	0.129526	0.00506	-0.24539	7.82E-08	-0.22572	8.29E-07
3.32E-08	0.136836	0.00305	0.233894	3.19E-07	0.171341	0.0002	0.286852	2.69E-10
0.00066	-0.02163	0.64103	-0.246	7.25E-08	-0.12853	0.00541	-0.17501	0.00014
0.00121	0.172641	0.00018	0.123663	0.00746	0.081205	0.07959	0.259858	1.21E-08
0.50231	0.006758	0.8842	-0.16046	0.0005	-0.1079	0.01968	-0.12153	0.00857
2.38E-07	0.022048	0.63461	0.109111	0.01834	-0.06783	0.14328	0.060015	0.19545
1.33E-14	0.071834	0.12109	0.02425	0.60117	-0.00305	0.94764	0.103537	0.02526
0.00363	0.064989	0.16087	0.165072	0.00034	0.021849	0.63768	0.067648	0.14439
0.18066	-0.16847	0.00026	0.044451	0.33781	-0.18229	7.43E-05	-0.23483	2.85E-07
0.71243	0.01971	0.67095	0.197168	1.77E-05	0.219401	1.69E-06	0.141932	0.00211
1.48E-05	0.005163	0.91139	-0.04098	0.37696	-0.13047	0.00474	-0.04589	0.32243
0.09089	0.165849	0.00032	0.284991	3.55E-10	0.258651	1.42E-08	0.373776	6.24E-17
2.45E-12	0.144553	0.00174	0.20261	1.02E-05	0.056165	0.22573	0.2432	1.03E-07
0.06471	0.100042	0.03065	0.324802	6.19E-13	0.251713	3.51E-08	0.293334	1.01E-10
3.78E-11	0.195426	2.11E-05	0.185554	5.48E-05	0.104138	0.02442	0.343527	2.22E-14
0.76366	-0.02936	0.52686	-0.2192	1.73E-06	-0.12862	0.00538	-0.18939	3.80E-05
0.0161	-0.05178	0.26412	-0.30061	3.29E-11	-0.24864	5.20E-08	-0.23683	2.24E-07
0.30203	0.21216	3.74E-06	0.233062	3.52E-07	0.217386	2.12E-06	0.379469	1.92E-17
0.23895	0.175557	0.00014	0.352807	3.91E-15	0.336863	7.44E-14	0.450919	9.07E-25



0.57832	0.206041	7.16E-06	-0.03808	0.41169	-0.21806	1.96E-06	-0.00459	0.92124
0.87771	-0.0365	0.43138	0.128551	0.0054	-0.08361	0.07104	-0.05466	0.23846
1.79E-05	0.087526	0.05876	0.252968	2.98E-08	0.08419	0.06911	0.193356	2.59E-05
7.14E-10	-0.07253	0.11751	-0.03536	0.44587	-0.21704	2.20E-06	-0.17135	0.0002
0.01745	0.00645	0.88943	0.09715	0.03584	-0.05985	0.19672	0.039309	0.3967
6.50E-10	0.193195	2.63E-05	0.133441	0.00387	0.072164	0.11939	0.266804	4.72E-09
0.00023	0.037221	0.42228	0.064298	0.16538	-0.04934	0.28727	-0.00586	0.89957
0.83799	0.164555	0.00036	0.183078	6.91E-05	0.151722	0.00101	0.31955	1.51E-12
1.26E-06	-0.11883	0.01016	-0.06774	0.14384	-0.2355	2.63E-07	-0.24809	5.57E-08
1.50E-13	-0.08845	0.05612	-0.27999	7.36E-10	-0.20351	9.31E-06	-0.26199	9.07E-09
0.60364	0.038089	0.41153	0.012529	0.78713	-0.08751	0.05881	0.047987	0.30075
1.52E-09	0.179123	9.94E-05	0.483352	1.03E-28	0.333941	1.25E-13	0.51594	3.98E-33
1.02E-08	0.011697	0.80097	0.051801	0.26392	-0.10509	0.02314	0.039296	0.39686
7.06E-07	0.143141	0.00193	0.269242	3.37E-09	0.104348	0.02413	0.198652	1.53E-05
0.00025	0.069543	0.13345	0.142895	0.00196	-0.05699	0.21899	0.081619	0.07807
3.47E-11	0.152524	0.00094	0.036246	0.43455	0.003941	0.93231	0.176191	0.00013
0.3939	-0.01065	0.81847	-0.06917	0.13554	-0.20161	1.13E-05	-0.12064	0.00907
0.00077	0.006889	0.88197	-0.13054	0.00472	0.059562	0.19885	-0.01587	0.73238
0.00362	0.150109	0.00114	0.170632	0.00021	0.07477	0.10659	0.228964	5.69E-07
0.08477	-0.11986	0.00952	-0.32402	7.08E-13	-0.25233	3.24E-08	-0.33063	2.25E-13
0.00597	0.009774	0.83315	0.148791	0.00126	-0.04829	0.29774	-0.01612	0.72825
8.77E-15	0.091016	0.04933	0.189386	3.80E-05	-0.0002	0.99654	0.175062	0.00014
3.31E-06	0.068874	0.13724	0.016315	0.7251	0.130231	0.00482	0.079369	0.08666
0.66745	-0.01879	0.68543	0.022693	0.62474	-0.11861	0.01031	-0.07202	0.12013
0.12499	0.079452	0.08633	0.171318	0.0002	0.143789	0.00184	0.200889	1.22E-05
2.61E-09	0.085833	0.06384	0.233609	3.30E-07	0.213154	3.36E-06	0.282695	4.97E-10
0.50903	0.109599	0.01782	0.303492	2.09E-11	0.128109	0.00556	0.234082	3.12E-07
1.27E-08	-0.01894	0.68316	0.026339	0.57019	-0.06841	0.13992	-0.05088	0.27249
4.86E-11	0.20127	1.17E-05	0.334801	1.08E-13	0.19677	1.85E-05	0.412701	1.24E-20
0.00525	-0.03537	0.44573	-0.09327	0.04395	0.061332	0.1858	-0.04976	0.28319
0.52549	0.017132	0.71193	0.032906	0.47809	-0.12328	0.00765	-0.06352	0.17059
5.08E-05	0.171163	0.0002	0.196305	1.93E-05	0.176705	0.00012	0.348398	8.97E-15
1.96E-11	0.125254	0.00672	-0.01529	0.74179	-0.05449	0.23991	0.115009	0.01288
0.00431	0.122834	0.00787	0.11916	0.00996	0.27541	1.42E-09	0.351672	4.85E-15
1.39E-15	0.161009	0.00048	0.026507	0.56774	0.030363	0.51276	0.200395	1.28E-05
1.34E-15	0.071928	0.12061	-0.02418	0.60224	0.041329	0.37287	0.075134	0.10489
5.42E-18	0.204571	8.34E-06	0.322133	9.77E-13	0.164811	0.00035	0.442009	9.33E-24
1.91E-24	0.205348	7.70E-06	0.136703	0.00307	0.14199	0.0021	0.289276	1.87E-10
3.21E-46	0.194303	2.36E-05	0.167413	0.00028	0.121996	0.00831	0.339458	4.66E-14
0.00015	0.18127	8.17E-05	-0.01585	0.73259	0.149904	0.00116	0.300212	3.50E-11
3.94E-24	0.18526	5.63E-05	0.110054	0.01735	0.121289	0.0087	0.288286	2.17E-10
2.98E-11	-0.04135	0.37257	0.15088	0.00107	0.07736	0.09496	0.064094	0.16673
0.00027	-0.08032	0.08295	-0.31108	6.17E-12	-0.25924	1.31E-08	-0.33448	1.14E-13
1.39E-10	-0.26168	9.46E-09	-0.06343	0.17116	-0.169	0.00024	-0.39315	1.03E-18
9.62E-05	0.055489	0.23137	0.129003	0.00524	0.164382	0.00036	0.178244	0.00011

8.05E-05	0.006161	0.89436	0.154089	0.00083	0.125582	0.00658	0.097865	0.03449
0.55151	-0.06847	0.13956	-0.2905	1.56E-10	-0.15463	0.0008	-0.25419	2.54E-08
7.68E-17	0.131645	0.00438	0.2084	5.59E-06	0.105035	0.02321	0.309087	8.52E-12
6.33E-27	0.173264	0.00017	0.063787	0.16877	-0.06834	0.14034	0.180192	9.02E-05
2.76E-14	0.18487	5.84E-05	0.210342	4.55E-06	0.220255	1.54E-06	0.410733	1.97E-20
3.91E-05	-0.13676	0.00306	-0.16405	0.00037	-0.16268	0.00042	-0.28246	5.14E-10
1.88E-06	0.083641	0.07095	0.098246	0.03379	-0.01793	0.6992	0.078071	0.09195
3.03E-10	0.066355	0.15224	0.150553	0.0011	0.192305	2.87E-05	0.261052	1.03E-08
8.54E-24	-0.23507	2.77E-07	-0.22693	7.20E-07	-0.27378	1.79E-09	-0.40353	1.02E-19
4.28E-13	0.151723	0.00101	0.299334	4.02E-11	0.248615	5.21E-08	0.345747	1.47E-14
4.94E-20	0.140607	0.00232	0.279773	7.60E-10	0.142575	0.00201	0.289573	1.79E-10
2.84E-11	-0.00088	0.98482	-0.06388	0.16812	0.034433	0.45789	0.001004	0.98274
2.79E-09	-0.04099	0.3768	-0.02874	0.53558	-0.07544	0.10346	-0.01899	0.68236
1.13E-19	0.128341	0.00548	0.176499	0.00013	0.23312	3.49E-07	0.34385	2.09E-14
1.22E-12	-0.2585	1.45E-08	-0.26917	3.41E-09	-0.29213	1.22E-10	-0.43524	5.24E-23
8.70E-19	-0.04705	0.31031	0.058431	0.20753	-0.10037	0.03011	0.004904	0.91582
3.65E-09	-0.22267	1.17E-06	-0.33096	2.12E-13	-0.25517	2.24E-08	-0.44437	5.06E-24
2.54E-09	-0.05375	0.24633	0.199198	1.45E-05	0.142157	0.00207	0.119697	0.00962
5.49E-27	0.023577	0.6113	-0.02237	0.62974	0.14565	0.0016	0.081877	0.07713
5.84E-16	0.143926	0.00182	0.189846	3.64E-05	0.190724	3.34E-05	0.302793	2.33E-11
3.81E-28	0.194455	2.32E-05	0.311412	5.84E-12	0.305886	1.43E-11	0.471824	2.91E-27
5.05E-20	0.050608	0.27509	0.270775	2.73E-09	0.279389	8.03E-10	0.296363	6.37E-11
8.13E-30	0.169221	0.00024	0.146821	0.00146	0.105469	0.02264	0.268704	3.63E-09
1.23E-17	0.271787	2.37E-09	0.085021	0.0664	0.167513	0.00028	0.394683	7.39E-19
3.57E-25	0.090454	0.05076	0.033626	0.46851	-0.0514	0.26766	0.12444	0.00709
3.93E-36	0.062011	0.18098	0.125011	0.00683	-0.01533	0.74112	0.100871	0.02929
3.21E-11	0.235955	2.49E-07	0.157238	0.00065	0.074773	0.10658	0.287179	2.56E-10
3.02E-07	0.174253	0.00015	0.202336	1.05E-05	0.2573	1.69E-08	0.443295	6.69E-24
4.11E-38	0.192153	2.91E-05	0.143951	0.00182	0.014348	0.75713	0.235573	2.61E-07
7.74E-23	0.029642	0.52282	0.146935	0.00145	-0.1082	0.01935	0.062113	0.18026
3.47E-06	-0.1147	0.01313	-0.12281	0.00789	-0.13437	0.00362	-0.22751	6.74E-07
0.057	0.079911	0.08452	-0.0115	0.80427	-0.02837	0.54076	0.095139	0.03987
3.24E-08	-0.01548	0.73867	0.026572	0.56678	-0.01409	0.76132	0.041554	0.37027
4.23E-11	0.040933	0.37747	0.195646	2.06E-05	0.025263	0.58606	0.129616	0.00503
0.00507	0.249768	4.50E-08	0.133899	0.00374	0.153416	0.00088	0.335699	9.16E-14
4.30E-26	0.177153	0.00012	0.204692	8.24E-06	0.265949	5.31E-09	0.386352	4.49E-18
8.10E-13	0.09484	0.0405	-0.02552	0.58232	0.12339	0.0076	0.174835	0.00015
1.09E-19	0.129948	0.00491	0.135115	0.00344	0.080297	0.08303	0.232429	3.79E-07
5.96E-29	0.106637	0.02118	0.065459	0.15786	-0.02218	0.63256	0.130321	0.00479
0.00398	0.199694	1.38E-05	0.293559	9.80E-11	0.342442	2.70E-14	0.4929	5.87E-30
2.18E-15	0.079622	0.08566	0.433528	8.04E-23	0.230697	4.65E-07	0.339483	4.64E-14
1.78E-18	0.40904	2.91E-20	0.030277	0.51396	0.121614	0.00852	0.382837	9.48E-18
2.62E-19	0.082124	0.07624	0.22629	7.76E-07	0.202614	1.02E-05	0.276621	1.20E-09
3.89E-10	-0.13187	0.00431	-0.08176	0.07754	-0.11049	0.01691	-0.28001	7.34E-10
9.14E-12	0.275194	1.46E-09	0.376982	3.22E-17	0.223218	1.10E-06	0.391692	1.42E-18

8.11E-21	0.145978	0.00156	0.297255	5.55E-11	0.167003	0.00029	0.331544	1.92E-13
5.67E-07	0.333309	1.40E-13	0.116595	0.01169	0.302253	2.54E-11	0.478393	4.40E-28
5.65E-15	0.084247	0.06892	0.083488	0.07147	-0.01389	0.76473	0.15477	0.00079
8.11E-11	0.242668	1.10E-07	0.22286	1.15E-06	0.187347	4.62E-05	0.387616	3.43E-18
1.21E-13	0.157165	0.00065	0.121992	0.00831	0.085693	0.06427	0.26956	3.23E-09
4.49E-07	0.114111	0.01361	0.108867	0.01861	0.059646	0.19822	0.174171	0.00016
1.85E-09	0.019446	0.67512	0.118645	0.01028	-0.0195	0.67433	0.063663	0.1696
2.21E-25	-0.04023	0.38571	-0.01143	0.80538	0.078281	0.09108	0.053112	0.252
0.00012	-0.09897	0.0325	-0.18434	6.14E-05	-0.16845	0.00026	-0.26649	4.93E-09
0.08588	0.056268	0.22488	-0.06804	0.14206	0.049846	0.28239	0.033052	0.47613
2.19E-17	0.076977	0.09661	0.116412	0.01182	0.058805	0.20463	0.120659	0.00905
1.44E-14	0.207441	6.18E-06	0.32521	5.77E-13	0.270865	2.69E-09	0.407567	4.08E-20
2.42E-15	0.388524	2.82E-18	0.23022	4.92E-07	0.235904	2.51E-07	0.464763	2.11E-26
4.33E-23	0.048732	0.2933	0.368684	1.75E-16	0.25985	1.21E-08	0.343175	2.36E-14
2.10E-26	0.17974	9.40E-05	0.161914	0.00044	0.113526	0.0141	0.318505	1.80E-12
6.05E-16	0.052453	0.25795	0.318066	1.94E-12	0.196336	1.93E-05	0.298839	4.34E-11
1.76E-13	0.086372	0.06218	0.290781	1.49E-10	0.222824	1.15E-06	0.320284	1.34E-12
0.01483	0.20973	4.85E-06	0.203435	9.38E-06	0.255383	2.18E-08	0.373658	6.39E-17
3.95E-34	0.042529	0.35914	0.080486	0.0823	-0.08465	0.06758	0.054756	0.2376
5.57E-14	0.231211	4.38E-07	0.260429	1.12E-08	0.323534	7.69E-13	0.481104	2.00E-28
1.24E-09	0.097647	0.0349	0.344701	1.78E-14	0.399703	2.43E-19	0.477383	5.90E-28
3.60E-25	0.164062	0.00037	0.298107	4.87E-11	0.168838	0.00025	0.328709	3.15E-13
9.70E-14	0.107053	0.02067	0.170029	0.00022	0.202465	1.04E-05	0.375063	4.79E-17
5.56E-21	0.029001	0.53186	-0.05196	0.26244	0.100567	0.02978	0.09779	0.03463
3.54E-11	0.095635	0.03884	0.17059	0.00021	0.203208	9.61E-06	0.25917	1.32E-08
3.49E-07	0.027248	0.55695	-0.05978	0.1972	0.030076	0.51676	0.015165	0.74378
0.00017	0.076575	0.09837	0.263465	7.44E-09	0.215698	2.55E-06	0.268662	3.66E-09
9.96E-12	0.22863	5.92E-07	0.251735	3.50E-08	0.239293	1.66E-07	0.287117	2.59E-10
3.43E-10	-0.32217	9.70E-13	-0.09463	0.04095	-0.04874	0.29324	-0.32828	3.39E-13
0.02596	0.174692	0.00015	0.26869	3.64E-09	0.31949	1.53E-12	0.395869	5.69E-19
4.29E-09	0.125572	0.00659	0.272614	2.11E-09	0.170332	0.00022	0.289019	1.95E-10
8.45E-09	-0.32832	3.37E-13	-0.25127	3.71E-08	-0.32701	4.23E-13	-0.55449	5.31E-39
2.39E-05	0.101673	0.02802	0.300239	3.49E-11	0.18016	9.04E-05	0.239644	1.59E-07
6.58E-15	0.1188	0.01018	0.160095	0.00051	0.069925	0.13133	0.240131	1.50E-07
0.31899	0.187085	4.74E-05	0.04913	0.28937	0.239387	1.64E-07	0.356159	2.06E-15
1.20E-44	0.021869	0.63737	0.110298	0.0171	-0.04852	0.29536	0.067812	0.14342
1.16E-15	0.132727	0.00406	0.17722	0.00012	0.145144	0.00166	0.308197	9.84E-12
4.44E-13	0.122887	0.00785	0.281684	5.76E-10	0.163372	0.00039	0.322471	9.22E-13
0.00486	0.130352	0.00478	0.347526	1.06E-14	0.267896	4.06E-09	0.344931	1.71E-14
9.65E-22	0.122812	0.00789	0.104799	0.02352	0.047231	0.30844	0.183146	6.86E-05
3.85E-33	0.198821	1.50E-05	0.216997	2.21E-06	0.266088	5.21E-09	0.428223	3.00E-22
0.00606	-0.16561	0.00033	-0.1766	0.00012	-0.28389	4.17E-10	-0.3315	1.93E-13
2.52E-09	0.135753	0.00329	0.167992	0.00027	0.227372	6.85E-07	0.305112	1.61E-11
1.58E-38	0.251307	3.70E-08	0.290754	1.50E-10	0.270002	3.04E-09	0.438669	2.19E-23
1.62E-13	0.196927	1.82E-05	0.256118	1.98E-08	0.234924	2.82E-07	0.389295	2.39E-18

3.24E-16	0.168683	0.00025	0.239408	1.64E-07	0.19407	2.41E-05	0.35198	4.57E-15
1.20E-13	0.033609	0.46872	0.137152	0.00298	0.039783	0.39103	0.199221	1.44E-05
0.00184	0.092646	0.04539	0.245921	7.32E-08	0.330561	2.28E-13	0.450733	9.53E-25
4.65E-21	0.122512	0.00804	0.209334	5.06E-06	0.136706	0.00307	0.269908	3.08E-09
1.67E-09	0.242289	1.15E-07	0.01407	0.76169	0.177988	0.00011	0.234275	3.05E-07
6.48E-36	-0.04302	0.35356	-0.06599	0.15451	-0.11452	0.01327	-0.05311	0.25199
3.79E-31	0.183058	6.92E-05	0.293959	9.22E-11	0.18078	8.54E-05	0.337623	6.49E-14
1.70E-24	0.123444	0.00757	0.511798	1.54E-32	0.46297	3.47E-26	0.540117	1.01E-36
5.60E-30	0.053598	0.24769	0.094087	0.04212	0.111176	0.01624	0.169402	0.00024
4.54E-15	0.016697	0.71894	0.077668	0.09365	-0.05018	0.27922	0.057217	0.21714
1.42E-16	0.252039	3.36E-08	0.118126	0.01062	0.086039	0.0632	0.359044	1.18E-15
1.15E-12	-0.17047	0.00021	-0.13678	0.00306	-0.21844	1.88E-06	-0.39118	1.59E-18
2.43E-26	0.11798	0.01072	0.327721	3.74E-13	0.252086	3.34E-08	0.371398	1.01E-16
4.21E-47	0.168429	0.00026	0.296611	6.14E-11	0.20745	6.18E-06	0.366927	2.49E-16
1.62E-27	0.186816	4.86E-05	0.149246	0.00122	0.211553	3.99E-06	0.331751	1.85E-13
7.65E-09	0.231097	4.44E-07	0.219035	1.76E-06	0.22051	1.50E-06	0.455883	2.40E-25
1.09E-13	0.176255	0.00013	0.149684	0.00118	0.142896	0.00196	0.336618	7.77E-14
7.90E-18	0.186091	5.21E-05	0.147823	0.00136	0.115527	0.01248	0.292014	1.24E-10
0.00119	0.130762	0.00465	0.266996	4.60E-09	0.432953	9.29E-23	0.464936	2.02E-26
1.32E-32	-0.18743	4.59E-05	-0.24016	1.50E-07	-0.22512	8.88E-07	-0.37745	2.93E-17
3.99E-35	0.136741	0.00307	0.2148	2.81E-06	0.134454	0.0036	0.318325	1.86E-12
7.57E-08	0.102797	0.02632	0.009433	0.83889	0.136637	0.00309	0.297567	5.29E-11
7.17E-13	0.28165	5.79E-10	0.282923	4.81E-10	0.270264	2.93E-09	0.519701	1.15E-33
7.34E-12	0.061252	0.18638	0.082974	0.07323	-0.08326	0.07225	0.061918	0.18163
4.79E-08	0.164168	0.00037	0.101272	0.02865	0.18656	4.98E-05	0.337433	6.72E-14
1.87E-08	0.20784	5.93E-06	0.318161	1.91E-12	0.271308	2.53E-09	0.426069	5.09E-22
1.98E-15	-0.03469	0.45454	-0.18914	3.90E-05	-0.02935	0.52693	-0.13156	0.0044
6.35E-08	0.105183	0.02301	0.269189	3.40E-09	0.162013	0.00044	0.34506	1.67E-14
2.01E-17	0.142456	0.00203	0.509651	3.09E-32	0.393991	8.60E-19	0.527721	7.67E-35
1.50E-14	0.197262	1.76E-05	0.354133	3.03E-15	0.405585	6.43E-20	0.535061	6.04E-36
1.43E-05	-0.20274	1.01E-05	-0.23236	3.82E-07	-0.22657	7.52E-07	-0.41154	1.63E-20
4.98E-36	0.167914	0.00027	0.133246	0.00392	0.106707	0.02109	0.28808	2.24E-10
4.33E-11	-0.05621	0.22536	-0.18519	5.67E-05	-0.12874	0.00533	-0.22372	1.04E-06
3.77E-35	0.045447	0.32709	0.07837	0.09071	-0.12122	0.00874	-0.00069	0.98805
2.47E-27	0.113282	0.01431	0.193951	2.44E-05	0.117737	0.01089	0.238705	1.79E-07
3.13E-13	-0.01516	0.74382	0.188991	3.95E-05	0.051539	0.26634	0.074506	0.10783
3.78E-21	0.093705	0.04297	0.224507	9.52E-07	0.084174	0.06916	0.243458	9.96E-08
5.47E-07	-0.02776	0.54952	-0.12651	0.00619	-0.00971	0.83432	0.063927	0.16784
0.78315	0.237695	2.02E-07	0.159537	0.00054	0.229058	5.63E-07	0.314578	3.47E-12
7.31E-15	-0.18279	7.09E-05	0.169874	0.00023	-0.00062	0.98932	-0.14836	0.0013
1.21E-17	0.093151	0.04422	0.202713	1.01E-05	0.032396	0.48494	0.204084	8.78E-06
2.14E-07	0.109963	0.01745	0.01492	0.74777	0.058064	0.2104	0.189241	3.86E-05
8.92E-24	0.078988	0.08819	-0.05124	0.26917	0.109643	0.01778	0.041117	0.37532
2.17E-06	0.173951	0.00016	0.22137	1.36E-06	0.089093	0.05436	0.285276	3.40E-10
7.97E-12	0.116385	0.01184	0.140317	0.00237	0.202182	1.07E-05	0.376411	3.63E-17

0.00045	0.061256	0.18635	-0.03245	0.48426	0.137158	0.00298	0.154071	0.00084
5.83E-05	0.122702	0.00794	0.14637	0.00152	0.020969	0.65129	0.19514	2.17E-05
5.93E-11	0.067197	0.14709	0.226726	7.38E-07	0.110289	0.01711	0.20171	1.12E-05
3.22E-22	0.070157	0.13005	0.020576	0.6574	-0.08127	0.07935	0.087289	0.05945
2.93E-20	0.279647	7.74E-10	0.268829	3.57E-09	0.38273	9.70E-18	0.526463	1.18E-34
1.46E-14	0.071055	0.12519	0.115933	0.01217	0.055899	0.22794	0.248149	5.53E-08
7.79E-07	0.232137	3.93E-07	0.043418	0.34917	0.20367	9.16E-06	0.367892	2.05E-16
0.0002	0.153342	0.00089	0.024039	0.60434	0.093855	0.04264	0.24924	4.81E-08
9.78E-21	0.002207	0.96206	-0.06157	0.18411	-0.04889	0.29175	-0.0186	0.68855
3.13E-08	-0.2408	1.38E-07	-0.16806	0.00026	-0.28394	4.14E-10	-0.45529	2.82E-25
3.07E-09	0.101646	0.02806	0.26107	1.03E-08	0.189176	3.88E-05	0.345828	1.45E-14
5.61E-19	-0.10393	0.0247	-0.01989	0.66812	0.04418	0.34077	-0.13922	0.00257
3.69E-12	0.175426	0.00014	0.05252	0.25733	0.037241	0.42203	0.159993	0.00052
1.48E-13	0.174091	0.00016	0.233957	3.16E-07	0.202589	1.02E-05	0.382666	9.83E-18
1.69E-08	0.173903	0.00016	0.062892	0.17484	0.02024	0.66265	0.22843	6.06E-07
1.77E-17	0.112331	0.01515	-0.00251	0.95691	0.050895	0.27238	0.195153	2.17E-05
4.72E-08	-0.03335	0.4721	0.095989	0.03812	0.054874	0.23659	-0.01279	0.78288
5.22E-23	-0.03364	0.46834	-0.04512	0.33055	-0.12859	0.00539	-0.04086	0.37831
4.59E-14	-0.16386	0.00038	-0.21047	4.49E-06	-0.29349	9.91E-11	-0.42258	1.19E-21
0.4976	0.243132	1.04E-07	0.229236	5.52E-07	0.46602	1.49E-26	0.534382	7.66E-36
5.05E-06	0.130677	0.00468	0.323315	7.99E-13	0.272997	2.00E-09	0.337946	6.12E-14
0.0035	0.079109	0.0877	0.240832	1.38E-07	0.371205	1.05E-16	0.528571	5.73E-35
0.02409	0.134969	0.00347	0.141632	0.00216	0.197704	1.68E-05	0.239683	1.59E-07
3.11E-21	0.18894	3.97E-05	0.102775	0.02636	0.090661	0.05023	0.285106	3.49E-10
1.38E-29	-0.19354	2.54E-05	-0.1236	0.00749	-0.14847	0.00129	-0.32288	8.61E-13
3.71E-29	0.177135	0.00012	0.226077	7.95E-07	0.210435	4.50E-06	0.415676	6.18E-21
7.67E-10	0.163864	0.00038	0.245753	7.48E-08	0.264581	6.39E-09	0.393311	9.98E-19
6.70E-31	0.113409	0.0142	0.162277	0.00043	0.033236	0.47367	0.21555	2.59E-06
8.73E-18	-0.00453	0.92221	0.139667	0.00249	0.013649	0.76861	0.05478	0.2374
3.89E-05	0.240631	1.41E-07	0.106147	0.02178	0.167798	0.00027	0.40437	8.47E-20
8.69E-27	0.147983	0.00134	0.123654	0.00747	0.080911	0.08069	0.247714	5.84E-08
9.41E-33	-0.22124	1.38E-06	-0.24592	7.33E-08	-0.25023	4.24E-08	-0.37573	4.18E-17
2.05E-16	0.078862	0.0887	0.100772	0.02945	0.105604	0.02247	0.215539	2.59E-06
5.01E-28	-0.00535	0.90828	0.114278	0.01347	-0.05603	0.22681	0.053139	0.25176
9.03E-24	0.114997	0.01289	0.075177	0.10469	0.190348	3.47E-05	0.333782	1.29E-13
2.56E-21	0.055623	0.23025	0.165327	0.00033	0.048353	0.29708	0.152967	0.00091
4.98E-11	0.29095	1.46E-10	0.238109	1.92E-07	0.397207	4.23E-19	0.582676	8.31E-44
0.00045	0.25169	3.52E-08	0.240453	1.44E-07	0.237863	1.98E-07	0.35647	1.94E-15
2.89E-05	0.130791	0.00464	0.368605	1.78E-16	0.304788	1.70E-11	0.360212	9.38E-16
5.15E-19	0.161946	0.00044	0.203795	9.04E-06	0.220954	1.42E-06	0.386965	3.94E-18
1.80E-11	0.037761	0.41557	-0.06713	0.14749	0.078724	0.08926	0.048106	0.29955
1.58E-17	0.200289	1.30E-05	0.257411	1.67E-08	0.289602	1.79E-10	0.389154	2.46E-18
5.32E-13	0.116723	0.01159	0.150695	0.00109	0.163185	0.0004	0.308693	9.09E-12
1.46E-06	-0.11763	0.01096	-0.01269	0.78443	-0.10935	0.01808	-0.24841	5.35E-08
7.21E-13	0.056278	0.22479	0.183032	6.94E-05	0.080972	0.08046	0.202486	1.03E-05

5.51E-22	0.175714	0.00014	0.102905	0.02617	0.022406	0.62912	0.252824	3.04E-08
6.29E-16	0.131583	0.0044	0.05805	0.21051	0.024714	0.59422	0.198405	1.57E-05
6.14E-10	0.100613	0.02971	0.321152	1.15E-12	0.310856	6.39E-12	0.347337	1.09E-14
0.00102	0.013519	0.77076	0.275889	1.33E-09	0.314305	3.63E-12	0.375778	4.13E-17
1.53E-23	-0.21346	3.25E-06	0.00766	0.86886	0.011393	0.80603	-0.14047	0.00235
4.98E-10	0.056701	0.22133	0.072513	0.11761	0.097821	0.03457	0.212861	3.47E-06
4.00E-13	0.154451	0.00081	0.186808	4.87E-05	0.057556	0.21442	0.233217	3.45E-07
3.69E-23	0.13773	0.00286	0.147281	0.00141	0.027675	0.55079	0.200249	1.30E-05
0.00207	0.214622	2.87E-06	0.319173	1.61E-12	0.253156	2.91E-08	0.400013	2.26E-19
1.72E-21	0.16478	0.00035	0.343452	2.25E-14	0.45066	9.72E-25	0.570395	1.18E-41
8.57E-15	0.111212	0.0162	0.134492	0.00359	0.014443	0.75557	0.185143	5.69E-05
9.31E-19	-0.28927	1.88E-10	-0.23674	2.27E-07	-0.28091	6.45E-10	-0.51402	7.47E-33
7.67E-12	0.252447	3.19E-08	0.352404	4.22E-15	0.392103	1.30E-18	0.546129	1.16E-37
1.02E-21	0.026617	0.56613	0.000931	0.98399	0.028457	0.53959	0.000375	0.99355
2.71E-24	0.291039	1.44E-10	0.164702	0.00035	0.233191	3.46E-07	0.463619	2.90E-26
1.94E-09	0.264382	6.57E-09	0.247531	5.98E-08	0.319455	1.54E-12	0.50624	9.20E-32
3.06E-32	0.009534	0.83719	0.008492	0.85478	-0.13859	0.00269	-0.00895	0.84698
1.17E-29	0.099473	0.03162	0.200789	1.23E-05	0.201864	1.10E-05	0.342742	2.56E-14
4.20E-13	0.005539	0.90497	0.045031	0.33154	-0.11559	0.01244	-0.07951	0.08609
1.67E-32	0.168636	0.00025	0.081765	0.07753	-0.02972	0.52179	0.154527	0.00081
9.28E-41	0.099099	0.03227	0.040809	0.37892	-0.08613	0.06291	0.077758	0.09327
3.55E-12	0.102617	0.02659	-0.00481	0.91746	0.055746	0.22922	0.139849	0.00245
2.75E-07	0.253438	2.81E-08	0.301943	2.67E-11	0.368162	1.95E-16	0.597879	1.34E-46
2.45E-28	0.321404	1.11E-12	0.253192	2.90E-08	0.341322	3.32E-14	0.5121	1.40E-32
1.86E-25	0.094975	0.04021	0.037172	0.42289	-0.01656	0.72118	0.153487	0.00088
5.20E-25	0.151218	0.00105	0.038371	0.40808	0.042571	0.35866	0.20895	5.27E-06
4.08E-10	0.126855	0.00605	0.195157	2.17E-05	0.158725	0.00058	0.299814	3.73E-11
2.60E-25	-0.00074	0.98727	0.109712	0.01771	0.265701	5.49E-09	0.194769	2.25E-05
2.31E-11	0.180936	8.42E-05	0.231921	4.03E-07	0.199306	1.43E-05	0.390651	1.78E-18
3.19E-23	0.086585	0.06154	0.170198	0.00022	0.117911	0.01077	0.234441	2.99E-07
5.20E-26	0.178418	0.00011	0.219982	1.59E-06	0.205956	7.22E-06	0.350125	6.49E-15
1.36E-17	0.107391	0.02027	0.222525	1.19E-06	0.126278	0.00629	0.277882	9.98E-10
2.17E-32	0.22747	6.77E-07	0.311657	5.61E-12	0.320864	1.21E-12	0.472532	2.38E-27
2.17E-29	0.165652	0.00032	0.072427	0.11805	0.20143	1.15E-05	0.347871	9.90E-15
2.17E-21	-0.11172	0.01572	-0.19531	2.14E-05	-0.24051	1.43E-07	-0.29377	9.50E-11
1.35E-20	0.128353	0.00547	0.225639	8.36E-07	0.1967	1.86E-05	0.368706	1.74E-16
2.32E-20	-0.13771	0.00286	-0.18834	4.21E-05	-0.14766	0.00137	-0.24197	1.20E-07
3.52E-25	0.046283	0.31826	0.002555	0.95609	-0.06781	0.14343	0.033514	0.46998
9.04E-16	-0.04346	0.34868	0.16478	0.00035	-0.10804	0.01953	-0.21788	2.00E-06
2.16E-07	0.106116	0.02182	0.445839	3.45E-24	0.20491	8.05E-06	0.334314	1.17E-13
4.87E-06	0.211805	3.89E-06	0.250841	3.92E-08	0.320921	1.20E-12	0.446267	3.09E-24
1.27E-15	-0.25948	1.27E-08	-0.25405	2.59E-08	-0.20158	1.14E-05	-0.46084	6.24E-26
1.34E-32	0.169123	0.00024	0.22094	1.42E-06	0.167999	0.00027	0.330563	2.28E-13
1.73E-26	0.174895	0.00015	0.093899	0.04254	-0.02727	0.55663	0.133972	0.00373
1.95E-06	0.311044	6.20E-12	0.201602	1.13E-05	0.255841	2.05E-08	0.48241	1.36E-28

4.92E-06	0.033968	0.46399	0.110278	0.01713	-0.06525	0.15918	0.003439	0.94091
5.31E-08	0.209718	4.86E-06	0.341382	3.28E-14	0.320992	1.19E-12	0.492832	6.00E-30
6.17E-08	0.166597	0.0003	0.471458	3.23E-27	0.474129	1.51E-27	0.606245	3.35E-48
8.15E-13	0.044047	0.34223	0.29178	1.28E-10	0.339976	4.24E-14	0.359453	1.09E-15
3.00E-11	0.283834	4.21E-10	0.133872	0.00375	0.290296	1.61E-10	0.452558	5.87E-25
9.72E-36	0.122013	0.0083	0.189085	3.92E-05	0.174613	0.00015	0.295068	7.78E-11
8.41E-32	-0.06257	0.17705	-0.08504	0.06634	0.027718	0.55018	-0.15635	0.0007
2.96E-13	0.130771	0.00465	0.230141	4.96E-07	0.156247	0.0007	0.262926	8.00E-09
0.00021	-0.1881	4.30E-05	-0.21455	2.89E-06	-0.21294	3.44E-06	-0.31795	1.98E-12
2.68E-13	0.036725	0.4285	0.090396	0.05091	0.072687	0.11673	0.143137	0.00193
2.46E-29	0.063059	0.1737	0.046658	0.31435	-0.01502	0.74612	0.128055	0.00558
8.15E-20	0.183747	6.49E-05	0.156329	0.0007	0.13965	0.00249	0.309919	7.45E-12
6.14E-17	0.13846	0.00271	0.169362	0.00024	0.23673	2.27E-07	0.322239	9.59E-13
1.65E-09	0.231357	4.30E-07	0.178153	0.00011	0.203208	9.61E-06	0.378133	2.54E-17
7.44E-07	0.078695	0.08938	0.065673	0.1565	0.057185	0.21739	0.168458	0.00026
6.78E-15	0.106776	0.02101	0.295138	7.70E-11	0.204462	8.44E-06	0.335631	9.28E-14
0.00012	0.028419	0.54013	0.106992	0.02075	0.049184	0.28884	0.091538	0.04804
0.0012	0.100457	0.02996	0.266183	5.14E-09	0.218352	1.90E-06	0.342185	2.83E-14
1.86E-17	-0.09101	0.04934	0.024994	0.59005	-0.00682	0.88322	-0.21061	4.42E-06
6.09E-28	-0.28448	3.83E-10	-0.24638	6.91E-08	-0.31083	6.43E-12	-0.53332	1.11E-35
7.89E-21	-0.25841	1.46E-08	-0.12507	0.00681	-0.1473	0.00141	-0.37125	1.04E-16
1.42E-22	0.159047	0.00056	0.220083	1.57E-06	0.295167	7.66E-11	0.385904	4.95E-18
4.14E-14	0.137159	0.00298	-0.09729	0.03557	0.084021	0.06967	0.092982	0.04461
7.37E-20	0.11697	0.01142	0.243223	1.03E-07	0.314391	3.58E-12	0.324792	6.20E-13
2.03E-09	0.117233	0.01123	0.149206	0.00122	0.259293	1.30E-08	0.321193	1.15E-12
7.38E-13	-0.08889	0.05491	-0.25249	3.17E-08	-0.1507	0.00109	-0.22198	1.27E-06
2.01E-17	-0.13729	0.00295	-0.24164	1.25E-07	-0.12444	0.00709	-0.28236	5.22E-10
5.18E-06	0.103437	0.0254	0.12144	0.00861	0.090385	0.05094	0.216827	2.25E-06
2.02E-20	0.252244	3.28E-08	0.165556	0.00033	0.316972	2.33E-12	0.511929	1.48E-32
9.86E-28	0.152891	0.00092	0.284339	3.91E-10	0.170916	0.00021	0.369503	1.49E-16
1.60E-13	-0.00604	0.89645	0.304176	1.87E-11	0.151804	0.001	0.214053	3.05E-06
0.00041	0.296273	6.46E-11	0.221872	1.28E-06	0.396988	4.44E-19	0.493137	5.46E-30
2.42E-18	0.124608	0.00702	0.136317	0.00316	0.053676	0.247	0.24811	5.56E-08
3.50E-13	-0.27129	2.54E-09	-0.04197	0.36545	-0.05844	0.20748	-0.18517	5.68E-05
8.89E-05	0.052429	0.25816	0.243469	9.95E-08	0.16085	0.00048	0.177354	0.00012
1.25E-22	0.002953	0.94925	0.098036	0.03417	0.066009	0.15439	0.108349	0.01918
0.01468	0.157858	0.00062	0.17186	0.00019	0.233423	3.37E-07	0.371954	9.04E-17
3.44E-09	0.139085	0.00259	0.440699	1.31E-23	0.3408	3.65E-14	0.436141	4.17E-23
4.63E-12	0.085928	0.06354	0.191752	3.03E-05	0.08789	0.05771	0.278398	9.27E-10
4.80E-08	0.012175	0.79301	0.19541	2.11E-05	-0.02134	0.64557	0.077897	0.09268
1.54E-22	0.180375	8.87E-05	0.290135	1.65E-10	0.262605	8.35E-09	0.418455	3.20E-21
5.55E-08	0.045554	0.32595	0.06404	0.16709	0.196725	1.85E-05	0.242433	1.13E-07
1.83E-14	0.146172	0.00154	0.065112	0.16008	0.032591	0.48231	0.187896	4.39E-05
1.02E-18	0.144078	0.0018	0.182721	7.14E-05	0.084027	0.06965	0.2912	1.40E-10
8.11E-15	0.033607	0.46875	0.354283	2.95E-15	0.182096	7.57E-05	0.292158	1.21E-10

1.16E-10	0.176892	0.00012	0.138001	0.0028	0.137945	0.00281	0.319093	1.63E-12
7.89E-25	-0.12778	0.00569	-0.26359	7.31E-09	-0.30522	1.59E-11	-0.31929	1.58E-12
1.31E-09	0.235105	2.76E-07	0.173045	0.00017	0.240678	1.40E-07	0.446226	3.12E-24
4.97E-21	-0.1224	0.0081	-0.1429	0.00196	-0.20983	4.80E-06	-0.26334	7.56E-09
5.24E-11	-0.26218	8.85E-09	-0.31339	4.22E-12	-0.29866	4.47E-11	-0.54784	6.23E-38
2.07E-13	-0.35828	1.37E-15	-0.2398	1.56E-07	-0.23384	3.21E-07	-0.54439	2.19E-37
1.95E-10	0.223649	1.05E-06	0.1419	0.00211	0.125834	0.00647	0.219189	1.73E-06
0.07009	0.153206	0.0009	0.167991	0.00027	0.104101	0.02447	0.200374	1.28E-05
1.79E-10	0.057818	0.21234	0.131831	0.00432	0.137438	0.00292	0.232339	3.83E-07
1.88E-06	-0.03711	0.42361	0.202483	1.03E-05	0.058847	0.20431	0.127292	0.00588
3.36E-15	0.107365	0.0203	0.05264	0.25625	-0.00267	0.95409	0.162279	0.00043
8.10E-09	0.181961	7.66E-05	0.124086	0.00726	0.028235	0.54275	0.268075	3.96E-09
1.96E-24	0.147861	0.00135	0.16606	0.00031	0.077757	0.09327	0.30195	2.67E-11
6.49E-05	0.045524	0.32627	0.177294	0.00012	0.087486	0.05887	0.19217	2.91E-05
2.49E-06	0.008978	0.84657	0.066938	0.14866	-0.08952	0.05321	-0.00065	0.9888
4.21E-26	0.117821	0.01083	0.064648	0.16309	-0.06191	0.18165	0.102994	0.02604
8.19E-08	0.121561	0.00855	0.106605	0.02121	0.029094	0.53055	0.203154	9.66E-06
6.93E-16	0.104933	0.02334	0.403715	9.83E-20	0.330504	2.30E-13	0.404384	8.45E-20
3.17E-21	0.174641	0.00015	0.120922	0.0089	0.098901	0.03262	0.282703	4.96E-10
7.16E-14	-0.03109	0.50275	0.12165	0.0085	0.048676	0.29386	0.096352	0.03739
8.68E-33	0.073283	0.11375	0.201391	1.16E-05	0.106729	0.02106	0.18774	4.45E-05
1.29E-17	-0.07372	0.11159	-0.03456	0.45627	-0.06913	0.1358	-0.02158	0.64187
1.41E-18	-0.16346	0.00039	-0.26766	4.20E-09	-0.26133	9.91E-09	-0.36252	5.97E-16
1.69E-24	-0.22785	6.48E-07	-0.23001	5.04E-07	-0.36072	8.49E-16	-0.45289	5.38E-25
2.16E-16	-0.23477	2.87E-07	-0.31044	6.84E-12	-0.39541	6.30E-19	-0.50539	1.20E-31
0.00488	-0.03669	0.42895	0.173015	0.00017	0.092346	0.04609	0.12478	0.00694
9.20E-15	0.158735	0.00058	0.161956	0.00044	0.057022	0.21872	0.252294	3.25E-08
9.99E-10	-0.05102	0.27116	-0.03473	0.45407	-0.1013	0.0286	-0.09691	0.03629
8.83E-09	-0.22265	1.17E-06	-0.22272	1.17E-06	-0.18032	8.91E-05	-0.41933	2.60E-21
7.57E-18	0.197217	1.77E-05	0.209727	4.85E-06	0.218135	1.95E-06	0.347168	1.13E-14
5.37E-25	0.275162	1.47E-09	0.285907	3.10E-10	0.425035	6.55E-22	0.524293	2.46E-34
4.86E-18	0.220552	1.49E-06	0.236692	2.28E-07	0.238909	1.74E-07	0.39423	8.16E-19
1.55E-13	0.409104	2.87E-20	0.140547	0.00233	0.163877	0.00038	0.389969	2.07E-18
3.14E-14	0.302351	2.50E-11	0.240104	1.51E-07	0.251028	3.83E-08	0.447374	2.31E-24
1.88E-11	0.094455	0.04132	0.056231	0.22518	0.212274	3.70E-06	0.279818	7.55E-10
5.11E-08	-0.16041	0.0005	-0.13344	0.00387	-0.15793	0.00061	-0.26713	4.51E-09
0.11914	0.204197	8.67E-06	0.229894	5.11E-07	0.364482	4.05E-16	0.505678	1.10E-31
1.38E-14	-0.07722	0.09557	-0.17477	0.00015	-0.17603	0.00013	-0.18815	4.28E-05
1.21E-06	-0.11755	0.01101	-0.06689	0.14898	-0.09803	0.03418	-0.14645	0.00151
1.73E-14	-0.00897	0.84667	-0.05034	0.27766	-0.03951	0.39425	-0.04089	0.37803
0.00544	0.023759	0.60856	0.142298	0.00205	-0.01963	0.67226	0.088015	0.05735
4.16E-12	0.164377	0.00036	0.054091	0.24336	0.205942	7.23E-06	0.313306	4.28E-12
2.23E-32	0.116761	0.01157	0.105996	0.02197	0.071234	0.12424	0.184313	6.16E-05
0.40074	0.088923	0.05482	0.089993	0.05196	0.08544	0.06507	0.168397	0.00026
7.30E-36	0.182793	7.09E-05	0.15694	0.00067	0.196154	1.96E-05	0.359045	1.18E-15



3.68E-36	0.157281	0.00065	0.260482	1.11E-08	0.252365	3.22E-08	0.388356	2.92E-18
1.12E-14	-0.03492	0.4515	-0.09835	0.0336	-0.0833	0.0721	-0.14587	0.00157
2.63E-07	0.241914	1.21E-07	0.315582	2.94E-12	0.484372	7.62E-29	0.626012	3.51E-52
6.38E-08	0.105456	0.02266	0.281878	5.60E-10	0.258794	1.39E-08	0.329826	2.59E-13
9.21E-25	0.164286	0.00036	0.235048	2.78E-07	0.194341	2.35E-05	0.353667	3.32E-15
3.23E-12	-0.03808	0.41163	-0.03786	0.41441	-0.14835	0.0013	-0.03569	0.44166
4.27E-33	0.125133	0.00678	0.20856	5.49E-06	0.077453	0.09457	0.262754	8.19E-09
9.96E-23	0.351391	5.11E-15	0.197858	1.66E-05	0.291645	1.31E-10	0.554393	5.51E-39
5.51E-16	-0.07845	0.09037	-0.16413	0.00037	-0.06772	0.14395	-0.20404	8.82E-06
0.1087	-0.07797	0.09238	-0.16188	0.00044	-0.13517	0.00343	-0.23001	5.04E-07
2.95E-08	0.087508	0.05881	0.406822	4.84E-20	0.370823	1.14E-16	0.399288	2.66E-19
2.96E-31	0.125393	0.00666	0.191393	3.13E-05	0.165811	0.00032	0.31954	1.52E-12
1.88E-20	0.174793	0.00015	0.008525	0.85421	0.066746	0.14983	0.200184	1.31E-05
2.97E-22	-0.17283	0.00017	-0.21569	2.55E-06	-0.13054	0.00472	-0.32038	1.31E-12
1.13E-12	-0.10818	0.01937	-0.17149	0.0002	-0.09877	0.03285	-0.19284	2.72E-05
4.48E-21	0.151624	0.00101	0.229617	5.28E-07	0.301432	2.89E-11	0.4093	2.74E-20
1.63E-11	0.147796	0.00136	0.295793	6.96E-11	0.361257	7.65E-16	0.454053	3.93E-25
3.03E-11	0.287538	2.43E-10	0.263448	7.46E-09	0.297341	5.48E-11	0.51505	5.34E-33
1.76E-08	0.201313	1.17E-05	0.247835	5.75E-08	0.361615	7.13E-16	0.50302	2.55E-31
3.81E-12	-0.05165	0.26528	-0.03496	0.45104	-0.08731	0.05939	-0.00195	0.96649
9.24E-07	-0.1878	4.43E-05	-0.09113	0.04906	-0.07793	0.09256	-0.32681	4.38E-13
4.89E-11	-0.09182	0.04735	-0.2175	2.09E-06	-0.21617	2.42E-06	-0.23986	1.55E-07
1.50E-15	0.136712	0.00307	0.197432	1.73E-05	0.138587	0.00269	0.307859	1.04E-11
4.32E-17	0.043124	0.35245	-0.25738	1.68E-08	-0.10797	0.0196	-0.0463	0.31807
5.01E-14	-0.00136	0.9766	0.021742	0.63932	-0.13059	0.0047	-0.04633	0.31778
2.68E-24	0.213588	3.21E-06	0.259496	1.27E-08	0.376333	3.69E-17	0.489497	1.65E-29
6.50E-18	-0.00604	0.89648	-0.16384	0.00038	-0.05671	0.22122	-0.05872	0.20532
1.66E-07	0.133016	0.00398	0.233658	3.28E-07	0.231489	4.24E-07	0.32919	2.89E-13
1.22E-18	0.153543	0.00087	0.053923	0.24482	0.039685	0.3922	0.230231	4.91E-07
5.83E-11	0.05578	0.22893	0.08068	0.08157	0.156483	0.00069	0.220515	1.49E-06
7.24E-07	0.319268	1.59E-12	0.414585	7.99E-21	0.464545	2.25E-26	0.688547	6.91E-67
0.4249	0.206789	6.62E-06	0.355983	2.13E-15	0.418448	3.20E-21	0.564385	1.23E-40
4.41E-06	0.042347	0.36119	0.15593	0.00072	0.002359	0.95945	0.106723	0.02107
1.96E-15	-0.18234	7.40E-05	-0.1819	7.71E-05	-0.26216	8.87E-09	-0.35495	2.60E-15
1.94E-20	0.038615	0.4051	-0.12278	0.0079	-0.05131	0.26848	-0.06508	0.16031
5.97E-17	-0.02922	0.52882	-0.32101	1.18E-12	-0.17219	0.00018	-0.17072	0.00021
6.20E-24	0.101432	0.0284	0.022313	0.63054	-0.11077	0.01664	0.015626	0.73628
0.00368	0.214552	2.89E-06	0.030417	0.51201	0.155028	0.00078	0.365	3.66E-16
2.80E-08	0.219576	1.66E-06	0.140678	0.00231	0.297277	5.54E-11	0.4118	1.53E-20
3.43E-17	0.019993	0.66651	0.163229	0.0004	0.020714	0.65524	0.146044	0.00155
1.07E-22	-0.2398	1.56E-07	-0.33364	1.32E-13	-0.30755	1.09E-11	-0.43852	2.28E-23
7.40E-24	0.15346	0.00088	0.290178	1.64E-10	0.267043	4.57E-09	0.424578	7.32E-22
4.23E-32	0.113189	0.01439	0.184588	6.00E-05	0.205585	7.51E-06	0.281766	5.69E-10
3.21E-15	-0.05321	0.25113	-0.21233	3.67E-06	-0.17847	0.00011	-0.19556	2.08E-05
2.59E-05	0.148476	0.00129	0.037631	0.41718	0.050699	0.27423	0.212197	3.73E-06

3.60E-17	-0.18861	4.10E-05	-0.11568	0.01236	-0.27302	1.99E-09	-0.37808	2.57E-17
5.19E-16	-0.09688	0.03635	0.06355	0.17036	-0.15607	0.00071	-0.117	0.01139
7.63E-06	-0.10242	0.02688	-0.03402	0.46326	-0.15422	0.00083	-0.20356	9.27E-06
2.00E-05	0.086415	0.06205	0.450614	9.84E-25	0.474383	1.40E-27	0.424771	6.99E-22
0.00083	0.109993	0.01742	0.073821	0.11112	0.082496	0.07491	0.155533	0.00074
1.76E-25	0.127961	0.00562	0.015294	0.74167	-0.13643	0.00314	0.033208	0.47405
2.98E-19	0.171656	0.00019	0.233496	3.34E-07	0.248193	5.50E-08	0.419939	2.24E-21
9.89E-08	0.205933	7.24E-06	0.189463	3.78E-05	0.233486	3.35E-07	0.399175	2.73E-19
1.80E-14	-0.02228	0.63101	-0.13395	0.00373	-0.20571	7.41E-06	-0.27548	1.41E-09
4.09E-19	0.228472	6.03E-07	0.206559	6.78E-06	0.287152	2.57E-10	0.438122	2.52E-23
1.93E-05	0.136026	0.00323	0.390912	1.68E-18	0.403954	9.31E-20	0.396432	5.02E-19
3.61E-08	-0.12815	0.00555	-0.15491	0.00078	-0.26041	1.12E-08	-0.28514	3.47E-10
1.07E-11	0.205071	7.92E-06	0.149441	0.0012	0.151473	0.00103	0.339297	4.80E-14
2.21E-34	0.09852	0.03329	0.052366	0.25874	0.030856	0.50594	0.120962	0.00888
2.06E-33	0.227776	6.54E-07	0.343892	2.07E-14	0.273767	1.79E-09	0.459241	9.67E-26
5.07E-16	-0.17755	0.00011	-0.24923	4.82E-08	-0.30853	9.32E-12	-0.38933	2.37E-18
0.00302	0.077018	0.09643	0.192432	2.83E-05	0.194256	2.37E-05	0.339006	5.06E-14
2.04E-06	0.111105	0.01631	0.251903	3.42E-08	0.285653	3.22E-10	0.295347	7.46E-11
0.00018	0.123798	0.0074	0.281319	6.07E-10	0.12199	0.00831	0.185362	5.58E-05
6.96E-10	-0.07283	0.11599	0.155995	0.00072	-0.11021	0.0172	-0.06055	0.19153
3.77E-11	0.106162	0.02176	0.062972	0.17429	0.058012	0.21081	0.2027	1.01E-05
2.75E-15	-0.10638	0.02149	-0.30759	1.09E-11	-0.1413	0.00221	-0.28004	7.31E-10
3.41E-34	0.133113	0.00395	0.290132	1.65E-10	0.250152	4.29E-08	0.383643	8.00E-18
5.61E-10	0.043392	0.34946	0.084028	0.06965	0.078785	0.08901	0.172517	0.00018
5.70E-14	-0.16173	0.00045	-0.04981	0.28277	-0.22749	6.76E-07	-0.23807	1.93E-07
4.85E-05	0.166074	0.00031	0.174422	0.00015	0.125965	0.00642	0.342415	2.72E-14
8.18E-11	0.09174	0.04755	0.158805	0.00057	0.110593	0.01681	0.223197	1.10E-06
7.87E-11	0.109561	0.01786	0.131784	0.00434	0.142315	0.00205	0.261906	9.18E-09
8.82E-22	0.209332	5.06E-06	0.021554	0.64222	0.037113	0.42362	0.194246	2.37E-05
0.03679	0.241896	1.21E-07	0.32523	5.75E-13	0.444161	5.35E-24	0.560852	4.79E-40
3.70E-10	0.137797	0.00284	-0.00888	0.84826	-0.03074	0.5075	0.134519	0.00359
4.43E-08	0.36417	4.31E-16	0.051288	0.26868	0.155008	0.00078	0.313767	3.97E-12
2.51E-23	0.159942	0.00052	0.379796	1.80E-17	0.335865	8.90E-14	0.448662	1.65E-24
3.78E-42	0.083874	0.07016	0.242173	1.17E-07	0.129952	0.00491	0.216262	2.39E-06
9.43E-06	0.179128	9.94E-05	0.034146	0.46165	0.108966	0.0185	0.232941	3.57E-07
7.72E-16	0.197339	1.74E-05	0.298968	4.26E-11	0.328233	3.42E-13	0.480071	2.70E-28
4.01E-17	0.152071	0.00098	0.234999	2.79E-07	0.314285	3.64E-12	0.402744	1.22E-19
7.55E-09	0.187046	4.76E-05	-0.00762	0.86949	-0.07192	0.12063	0.187667	4.48E-05
2.65E-05	0.156219	0.0007	0.274048	1.72E-09	0.214509	2.90E-06	0.310006	7.34E-12
4.29E-06	0.201984	1.09E-05	0.141867	0.00212	0.212608	3.56E-06	0.430981	1.52E-22
6.81E-10	0.372202	8.60E-17	0.240539	1.43E-07	0.366602	2.66E-16	0.624004	9.18E-52
1.91E-20	0.237257	2.13E-07	0.250555	4.07E-08	0.266248	5.09E-09	0.406025	5.81E-20
6.15E-16	0.354942	2.60E-15	0.051019	0.2712	0.171122	0.0002	0.405775	6.15E-20
1.18E-07	0.159563	0.00054	0.250326	4.19E-08	0.298273	4.74E-11	0.451553	7.67E-25
6.05E-18	0.258443	1.46E-08	0.21207	3.78E-06	0.123209	0.00769	0.190671	3.36E-05

4.55E-14	-0.18233	7.41E-05	-0.34843	8.91E-15	-0.33304	1.47E-13	-0.38272	9.73E-18
1.34E-23	0.16662	0.0003	0.136012	0.00323	0.115714	0.01234	0.288995	1.96E-10
7.40E-23	0.028828	0.53432	0.117164	0.01128	-0.01552	0.73805	0.109726	0.01769
6.44E-13	0.026881	0.56229	0.14731	0.00141	0.195025	2.20E-05	0.18117	8.24E-05
2.65E-12	0.303232	2.18E-11	0.121545	0.00856	0.199941	1.34E-05	0.402576	1.27E-19
3.74E-11	0.165387	0.00033	0.098803	0.03279	0.126669	0.00612	0.284253	3.95E-10
1.30E-14	0.004766	0.91818	-0.18407	6.30E-05	-0.07178	0.12137	-0.14089	0.00227
9.14E-16	-0.14576	0.00159	-0.24544	7.78E-08	-0.23924	1.67E-07	-0.34971	7.02E-15
1.62E-23	0.275883	1.33E-09	0.343987	2.04E-14	0.389287	2.39E-18	0.572787	4.56E-42
2.19E-28	0.210078	4.68E-06	0.117593	0.01098	0.200393	1.28E-05	0.356	2.12E-15
3.08E-11	0.101102	0.02892	0.044042	0.34228	0.114375	0.01339	0.254949	2.31E-08
9.18E-09	0.226988	7.16E-07	0.2329	3.59E-07	0.353511	3.42E-15	0.523463	3.25E-34
0.0106	0.117979	0.01072	0.25087	3.91E-08	0.188842	4.01E-05	0.234746	2.88E-07
1.10E-13	-0.01178	0.79954	-0.24315	1.04E-07	-0.26116	1.01E-08	-0.19964	1.38E-05
6.52E-19	-0.05417	0.24268	-0.1826	7.22E-05	-0.06871	0.13817	-0.21594	2.48E-06
1.20E-10	0.150961	0.00107	0.183537	6.62E-05	0.254168	2.55E-08	0.398021	3.53E-19
1.82E-10	0.288873	1.99E-10	0.264668	6.32E-09	0.390455	1.86E-18	0.615639	4.67E-50
4.00E-23	0.124116	0.00724	0.08819	0.05686	0.037641	0.41706	0.190614	3.38E-05
1.07E-05	0.131978	0.00428	0.208776	5.37E-06	0.307183	1.16E-11	0.362565	5.92E-16
7.42E-14	0.228285	6.16E-07	0.183439	6.68E-05	0.247692	5.86E-08	0.438623	2.22E-23
2.99E-24	0.229041	5.64E-07	0.308542	9.31E-12	0.324297	6.75E-13	0.522567	4.40E-34
2.64E-11	0.094366	0.04151	0.299179	4.12E-11	0.176101	0.00013	0.308007	1.01E-11
1.50E-06	-0.01887	0.68419	0.032387	0.48506	-0.11109	0.01632	-0.02994	0.51863
8.49E-05	0.022478	0.62802	-0.27683	1.16E-09	-0.13039	0.00477	-0.08209	0.07637
8.47E-10	0.210783	4.34E-06	0.033001	0.47681	0.086455	0.06193	0.200275	1.30E-05
0.02142	0.121885	0.00837	0.100879	0.02928	0.238289	1.88E-07	0.261597	9.57E-09
9.37E-09	0.101903	0.02767	0.057267	0.21674	0.09526	0.03961	0.179539	9.57E-05
2.44E-19	-0.17233	0.00018	-0.09916	0.03217	-0.08866	0.05554	-0.28809	2.24E-10
1.24E-10	0.082664	0.07432	0.164709	0.00035	0.279313	8.12E-10	0.320042	1.39E-12
3.05E-06	0.242332	1.15E-07	0.131938	0.00429	0.226321	7.73E-07	0.332435	1.64E-13
2.14E-14	0.258234	1.50E-08	0.30643	1.31E-11	0.37658	3.50E-17	0.58229	9.74E-44
5.10E-15	0.034895	0.45188	0.148739	0.00127	0.066386	0.15204	0.162618	0.00042
5.92E-28	0.219616	1.65E-06	0.310355	6.94E-12	0.256963	1.77E-08	0.461747	4.87E-26
1.39E-13	0.224998	9.00E-07	0.244149	9.14E-08	0.398396	3.25E-19	0.548819	4.35E-38
6.73E-22	0.226525	7.55E-07	-0.04056	0.38184	-0.17221	0.00018	-0.03194	0.49108
2.87E-24	0.076594	0.09829	0.318598	1.78E-12	0.164582	0.00035	0.162474	0.00042
8.08E-26	-0.05794	0.21141	-0.1417	0.00214	0.002196	0.96225	-0.06767	0.14424
1.53E-06	-0.07528	0.10421	-0.11003	0.01738	-0.16219	0.00043	-0.16807	0.00026
1.69E-11	0.065104	0.16013	0.385576	5.30E-18	0.137166	0.00298	0.213899	3.10E-06
3.05E-36	-0.03693	0.42595	-0.14109	0.00224	-0.06559	0.15703	-0.15398	0.00084
1.39E-17	0.068655	0.13849	0.027241	0.55706	-0.04966	0.28421	0.095471	0.03918
6.93E-21	-0.1445	0.00174	-0.16287	0.00041	-0.03693	0.42594	-0.12157	0.00854
3.54E-15	-0.17572	0.00014	-0.21347	3.25E-06	-0.17249	0.00018	-0.32521	5.77E-13
2.89E-12	0.125923	0.00643	0.124039	0.00728	-0.01767	0.70338	0.09504	0.04008
1.78E-09	0.091208	0.04886	0.404023	9.17E-20	0.222894	1.14E-06	0.304055	1.91E-11

3.11E-14	-0.07457	0.10753	0.216072	2.45E-06	-0.00369	0.93655	-0.03788	0.41408
4.38E-31	0.215385	2.64E-06	0.208612	5.46E-06	0.147789	0.00136	0.316017	2.73E-12
6.61E-19	0.099384	0.03177	0.306625	1.27E-11	0.289874	1.71E-10	0.305846	1.44E-11
8.52E-24	0.050475	0.27635	0.206188	7.05E-06	0.14943	0.0012	0.235946	2.49E-07
2.49E-10	0.134996	0.00347	0.063389	0.17145	0.102798	0.02632	0.252222	3.28E-08
7.47E-17	-0.08833	0.05647	-0.19405	2.42E-05	-0.22648	7.59E-07	-0.33012	2.46E-13
5.18E-11	-0.07445	0.10811	0.098907	0.0326	0.042725	0.35692	0.059016	0.203
2.95E-21	0.179711	9.42E-05	0.237073	2.18E-07	0.188782	4.03E-05	0.368414	1.85E-16
4.14E-25	-0.01906	0.68121	0.151056	0.00106	0.084689	0.06747	0.099297	0.03192
0.04759	0.078931	0.08842	0.328792	3.10E-13	0.116787	0.01155	0.160745	0.00049
2.31E-06	-0.10287	0.02621	0.004162	0.92853	-0.11067	0.01674	-0.05765	0.21367
6.04E-21	-0.19645	1.91E-05	-0.09466	0.04087	-0.14673	0.00147	-0.31739	2.17E-12
4.41E-21	0.229492	5.35E-07	0.40248	1.30E-19	0.447296	2.36E-24	0.614746	7.05E-50
2.81E-13	0.219017	1.77E-06	-0.02052	0.65821	0.140626	0.00232	0.23545	2.65E-07
3.18E-05	0.065925	0.15492	0.106175	0.02174	0.047029	0.31051	0.09521	0.03972
1.24E-12	0.095489	0.03914	0.275714	1.36E-09	0.224159	9.90E-07	0.214655	2.86E-06
1.55E-19	0.077382	0.09487	0.13194	0.00429	0.032911	0.47802	0.129194	0.00517
9.42E-09	-0.03121	0.50112	-0.03007	0.51679	-0.08294	0.07337	-0.05143	0.26739
0.00024	0.083925	0.06999	0.04147	0.37124	0.060087	0.19491	0.154386	0.00082
3.41E-29	0.105078	0.02315	0.158123	0.0006	0.122681	0.00795	0.242622	1.10E-07
0.00821	-0.02657	0.56676	0.029083	0.5307	0.027539	0.55275	0.102038	0.02746
3.01E-07	0.283005	4.75E-10	0.208099	5.77E-06	0.185288	5.62E-05	0.422431	1.23E-21
4.14E-52	0.04739	0.30681	0.074476	0.10798	-0.09321	0.04409	0.014173	0.76
1.30E-20	0.064998	0.16081	-0.09679	0.03654	-0.06543	0.15804	-0.03254	0.48302
1.25E-11	0.080951	0.08054	-0.00884	0.84894	0.001624	0.97208	0.058567	0.20647
1.11E-17	0.152893	0.00092	0.250838	3.92E-08	0.196481	1.90E-05	0.325283	5.70E-13
3.64E-14	0.144459	0.00175	0.195147	2.17E-05	0.117569	0.011	0.260078	1.17E-08
0.01855	0.136117	0.00321	0.31321	4.35E-12	0.209364	5.04E-06	0.308806	8.92E-12
7.85E-08	0.103256	0.02566	0.233822	3.21E-07	0.265117	5.94E-09	0.330273	2.39E-13
0.00055	-0.09263	0.04543	0.017147	0.71169	-0.16059	0.00049	-0.16616	0.00031
1.59E-06	0.165388	0.00033	0.348174	9.36E-15	0.364959	3.69E-16	0.487575	2.93E-29
1.61E-10	0.229245	5.51E-07	0.24654	6.78E-08	0.248205	5.49E-08	0.439443	1.80E-23
2.57E-05	-0.09423	0.04181	0.052947	0.25348	0.04131	0.37309	-0.05005	0.28045
0.0842	0.091193	0.04889	0.195058	2.19E-05	0.200495	1.27E-05	0.215371	2.64E-06
1.07E-17	0.209577	4.93E-06	0.087219	0.05965	0.243185	1.03E-07	0.378034	2.59E-17
2.41E-05	0.146111	0.00155	0.092481	0.04578	0.169743	0.00023	0.310653	6.61E-12
1.82E-18	0.091898	0.04717	0.037163	0.42301	0.045299	0.32867	0.137241	0.00296
0.02644	-0.00929	0.84134	0.209702	4.87E-06	0.037832	0.4147	0.106838	0.02093
4.83E-09	0.046075	0.32044	0.033129	0.4751	0.031181	0.50147	0.122042	0.00829
1.55E-06	0.141217	0.00222	0.129596	0.00503	0.150266	0.00113	0.230346	4.85E-07
7.13E-05	0.117789	0.01085	0.324087	7.00E-13	0.14122	0.00222	0.305528	1.51E-11
0.07508	0.12007	0.0094	0.016653	0.71965	0.18682	4.86E-05	0.212509	3.60E-06
2.07E-05	-0.05272	0.25552	0.071899	0.12076	-0.09461	0.041	-0.01665	0.71973
9.33E-10	0.028819	0.53444	0.093084	0.04437	-0.03352	0.46994	0.184334	6.14E-05
2.42E-17	0.028769	0.53515	-0.00178	0.96938	-0.00359	0.9384	0.043566	0.34753

4.82E-15	-0.22544	8.56E-07	-0.21128	4.11E-06	-0.18914	3.89E-05	-0.41849	3.17E-21
0.00459	0.16723	0.00028	0.381415	1.28E-17	0.226323	7.73E-07	0.373083	7.19E-17
2.30E-11	-0.11151	0.01592	0.039741	0.39153	-0.18422	6.21E-05	-0.1059	0.02208
2.65E-15	-0.25057	4.06E-08	-0.0672	0.14706	-0.14392	0.00182	-0.33977	4.40E-14
3.71E-16	-0.16605	0.00031	-0.23059	4.71E-07	-0.08959	0.05301	-0.26883	3.57E-09
9.00E-16	-0.25042	4.14E-08	-0.26933	3.33E-09	-0.36456	3.99E-16	-0.47778	5.25E-28
1.17E-13	0.005798	0.90056	-0.02484	0.59239	-0.15695	0.00066	-0.00901	0.8461
7.29E-12	-0.13261	0.00409	-0.18874	4.05E-05	-0.29379	9.46E-11	-0.37116	1.06E-16
7.40E-22	-0.02659	0.56659	-0.08284	0.07369	-0.02319	0.61713	-0.08089	0.08077
2.80E-25	-0.21755	2.08E-06	-0.2051	7.90E-06	-0.13592	0.00325	-0.36558	3.26E-16
1.23E-10	0.187627	4.50E-05	0.319246	1.59E-12	0.349056	7.93E-15	0.444859	4.46E-24
4.62E-09	0.084332	0.06864	0.063215	0.17263	-0.00039	0.99328	0.128754	0.00533
1.34E-11	0.197018	1.80E-05	0.103438	0.0254	-0.00202	0.96535	0.165453	0.00033
3.86E-10	0.210568	4.44E-06	0.136127	0.0032	0.049507	0.28568	0.253806	2.68E-08
2.03E-38	0.221252	1.38E-06	0.159982	0.00052	0.172619	0.00018	0.368613	1.78E-16
1.29E-17	0.309846	7.54E-12	0.317796	2.03E-12	0.513685	8.34E-33	0.668588	8.38E-62
5.33E-09	-0.0407	0.38024	0.254054	2.59E-08	0.137747	0.00285	0.176572	0.00013
1.75E-12	0.179439	9.66E-05	0.204694	8.24E-06	0.21047	4.48E-06	0.404282	8.64E-20
5.19E-12	0.009678	0.83477	0.038913	0.40148	0.055524	0.23108	0.087822	0.0579
2.26E-11	0.04236	0.36105	0.149436	0.0012	0.074901	0.10597	0.147151	0.00143
0.00852	0.086048	0.06317	0.073625	0.11207	0.004038	0.93065	0.164285	0.00036
2.68E-14	0.152195	0.00097	0.303217	2.18E-11	0.36694	2.48E-16	0.44248	8.26E-24
5.02E-29	0.219833	1.61E-06	0.241197	1.32E-07	0.294271	8.79E-11	0.50333	2.31E-31
1.72E-32	0.186721	4.91E-05	0.233556	3.32E-07	0.122582	0.008	0.300301	3.46E-11
8.12E-07	0.137656	0.00287	0.259472	1.27E-08	0.242151	1.17E-07	0.316214	2.64E-12
1.04E-32	0.058713	0.20534	0.080973	0.08046	0.010743	0.81689	0.108704	0.01878
5.90E-06	0.277099	1.12E-09	0.27689	1.15E-09	0.283331	4.53E-10	0.448183	1.87E-24
6.93E-25	0.420363	2.03E-21	0.102944	0.02611	0.117261	0.01121	0.420356	2.03E-21
5.89E-17	0.112774	0.01476	0.18931	3.83E-05	0.023712	0.60927	0.115488	0.01251
2.87E-21	0.20701	6.47E-06	0.238681	1.79E-07	0.405202	7.01E-20	0.527541	8.15E-35
2.71E-08	-0.22025	1.54E-06	-0.31741	2.16E-12	-0.32085	1.22E-12	-0.47256	2.36E-27
1.37E-30	0.118749	0.01022	0.335636	9.27E-14	0.215799	2.52E-06	0.317406	2.17E-12
3.64E-12	0.168138	0.00026	0.177748	0.00011	0.106873	0.02089	0.32194	1.01E-12
1.05E-10	0.079032	0.08801	0.202951	9.86E-06	0.145842	0.00158	0.208854	5.32E-06
0.00268	0.286398	2.88E-10	0.189162	3.89E-05	0.123863	0.00737	0.235594	2.60E-07
6.28E-09	-0.09668	0.03674	-0.28143	5.98E-10	-0.17091	0.00021	-0.18591	5.30E-05
2.88E-24	-0.14081	0.00229	-0.10488	0.02341	0.032479	0.48382	-0.13129	0.00448
4.05E-15	-0.18915	3.89E-05	0.308703	9.07E-12	0.262449	8.53E-09	0.079923	0.08448
1.40E-20	0.088075	0.05718	0.051575	0.26601	0.031464	0.4976	0.118132	0.01062
3.38E-14	0.112621	0.01489	0.098163	0.03394	0.044904	0.3329	0.205709	7.41E-06
2.15E-07	0.074979	0.10561	0.184819	5.87E-05	0.121524	0.00857	0.203456	9.36E-06
2.21E-16	0.273747	1.80E-09	0.284816	3.64E-10	0.313317	4.27E-12	0.506464	8.57E-32
4.41E-08	0.076897	0.09696	0.049872	0.28214	0.137659	0.00287	0.165361	0.00033
0.00218	0.06456	0.16366	0.281362	6.04E-10	0.387193	3.75E-18	0.395647	5.97E-19
1.03E-37	-0.04415	0.34106	0.049406	0.28667	-0.08167	0.07786	-0.05846	0.20731

0.00013	0.241188	1.32E-07	0.179665	9.46E-05	0.171863	0.00019	0.344439	1.87E-14
7.58E-15	0.238677	1.79E-07	0.179272	9.81E-05	0.243423	1.00E-07	0.438175	2.49E-23
0.00041	-0.01959	0.67284	0.202559	1.03E-05	0.28149	5.93E-10	0.257418	1.67E-08
1.34E-13	0.046438	0.31664	-0.012	0.79591	-0.03206	0.48948	0.075985	0.101
3.31E-10	0.180274	8.95E-05	0.376612	3.48E-17	0.495268	2.85E-30	0.56324	1.92E-40
2.24E-10	-0.15382	0.00085	-0.21794	1.99E-06	-0.2213	1.37E-06	-0.41216	1.41E-20
2.16E-16	-0.0838	0.07041	-0.04425	0.34003	-0.29507	7.78E-11	-0.24961	4.59E-08
1.31E-07	0.135517	0.00334	0.180527	8.74E-05	0.189758	3.67E-05	0.369486	1.49E-16
1.25E-64	0.160983	0.00048	0.216057	2.45E-06	0.15049	0.00111	0.300722	3.24E-11
6.35E-23	0.167093	0.00029	0.311196	6.05E-12	0.343563	2.20E-14	0.345204	1.63E-14
1.08E-07	0.17887	0.0001	0.500472	5.67E-31	0.422369	1.25E-21	0.55719	1.93E-39
1.56E-63	0.071268	0.12406	0.097373	0.03541	-0.01922	0.67875	0.119995	0.00944
1.30E-24	0.093041	0.04447	0.210027	4.70E-06	0.052842	0.25443	0.145854	0.00158
1.08E-18	0.14425	0.00178	0.018499	0.69009	0.024236	0.60137	0.230712	4.64E-07
9.05E-07	-0.01982	0.66928	0.05372	0.24661	0.131081	0.00455	0.061308	0.18598
2.42E-20	0.077895	0.09269	0.070213	0.12974	0.009298	0.84118	0.136198	0.00319
1.30E-18	-0.25787	1.57E-08	-0.15633	0.0007	-0.22511	8.88E-07	-0.42312	1.04E-21
2.82E-15	0.163365	0.00039	0.370022	1.34E-16	0.249619	4.59E-08	0.366965	2.47E-16
2.76E-23	-0.05344	0.24907	-0.04349	0.34834	-0.15491	0.00078	-0.08368	0.0708
6.28E-14	0.117716	0.0109	0.193546	2.54E-05	0.140372	0.00236	0.207296	6.28E-06
1.01E-14	0.25681	1.81E-08	0.331466	1.94E-13	0.22436	9.68E-07	0.466017	1.49E-26
5.59E-15	0.028753	0.53538	0.104976	0.02328	0.166722	0.0003	0.129757	0.00498
1.05E-17	0.220951	1.42E-06	0.304914	1.67E-11	0.457499	1.55E-25	0.511557	1.67E-32
4.76E-22	0.162239	0.00043	0.355276	2.44E-15	0.277217	1.10E-09	0.447251	2.39E-24
6.32E-08	0.072455	0.11791	0.10635	0.02153	0.003338	0.94265	0.076351	0.09937
4.45E-17	-0.10609	0.02185	-0.10437	0.0241	-0.06022	0.19396	-0.17767	0.00011
3.66E-16	0.192304	2.87E-05	0.264966	6.07E-09	0.278717	8.85E-10	0.435278	5.18E-23
3.96E-17	-0.01025	0.82508	-0.04046	0.38296	0.096179	0.03774	-0.02055	0.65774
2.38E-05	0.104898	0.02339	0.14656	0.00149	0.101352	0.02852	0.252527	3.16E-08
2.76E-52	0.255975	2.02E-08	0.211809	3.88E-06	0.147055	0.00144	0.363612	4.81E-16
4.25E-15	0.195781	2.04E-05	0.181671	7.87E-05	0.165148	0.00034	0.376704	3.41E-17
5.36E-08	0.245801	7.44E-08	0.054354	0.24107	0.273281	1.92E-09	0.366702	2.61E-16
8.88E-16	0.063275	0.17222	0.301072	3.06E-11	0.220724	1.46E-06	0.344947	1.71E-14
3.41E-10	0.192273	2.88E-05	0.0733	0.11367	0.208914	5.29E-06	0.357738	1.52E-15
0.00033	0.113576	0.01406	0.063596	0.17005	0.100423	0.03002	0.200083	1.32E-05
1.14E-05	0.097343	0.03547	0.084618	0.0677	0.064606	0.16336	0.185195	5.67E-05
1.17E-28	0.154177	0.00083	0.254958	2.30E-08	0.2632	7.71E-09	0.497214	1.56E-30
1.32E-23	0.455761	2.48E-25	0.252491	3.17E-08	0.160544	0.0005	0.388848	2.63E-18
8.35E-08	0.109063	0.01839	-0.08869	0.05546	0.013839	0.76549	0.12632	0.00627
0.01488	0.205314	7.72E-06	0.367937	2.04E-16	0.33416	1.21E-13	0.445461	3.81E-24
2.29E-10	0.01622	0.72664	0.091854	0.04727	-0.14312	0.00193	0.038336	0.4085
8.09E-18	0.076512	0.09865	-0.04189	0.3664	0.053401	0.24943	0.125999	0.0064
2.40E-10	-0.09876	0.03286	0.153668	0.00086	0.050284	0.27818	0.002201	0.96217
2.77E-10	0.123286	0.00765	0.152434	0.00095	0.141904	0.00211	0.292853	1.09E-10
1.89E-20	-0.05888	0.20406	0.120638	0.00907	-0.11091	0.01649	-0.06354	0.17046

1.35E-07	0.260864	1.06E-08	0.311252	5.99E-12	0.383802	7.73E-18	0.541265	6.71E-37
6.04E-16	0.096134	0.03783	0.203618	9.21E-06	0.046649	0.31444	0.164486	0.00036
3.39E-11	0.075962	0.10111	0.092996	0.04458	-0.0306	0.5095	0.121604	0.00852
2.93E-15	0.105963	0.02201	-0.06789	0.14296	-0.20618	7.05E-06	-0.0673	0.14647
5.57E-19	0.011173	0.8097	0.074464	0.10803	-0.05807	0.21035	-0.00987	0.83148
8.81E-28	0.113936	0.01375	0.199599	1.39E-05	0.202367	1.05E-05	0.293257	1.03E-10
2.70E-30	0.235134	2.75E-07	0.29195	1.25E-10	0.27767	1.03E-09	0.444703	4.64E-24
2.65E-08	0.104994	0.02326	0.194162	2.39E-05	0.109817	0.0176	0.283904	4.16E-10
1.94E-21	0.361514	7.27E-16	0.155462	0.00075	0.199707	1.37E-05	0.499046	8.85E-31
2.02E-20	-0.03793	0.41347	-0.00377	0.93519	-0.1038	0.02489	-0.05199	0.26216
1.09E-11	0.082197	0.07597	-0.1426	0.00201	-0.07041	0.12867	0.021419	0.64431
2.18E-26	-0.28551	3.29E-10	-0.17341	0.00017	-0.309	8.64E-12	-0.45837	1.22E-25
1.49E-25	0.177318	0.00012	0.30775	1.06E-11	0.257413	1.67E-08	0.390287	1.93E-18
5.28E-15	0.220665	1.47E-06	0.213771	3.14E-06	0.231247	4.36E-07	0.317466	2.15E-12
6.51E-09	-0.03492	0.45154	-0.03776	0.41558	-0.08275	0.07401	0.002629	0.95481
2.60E-13	0.099575	0.03144	-0.00314	0.94598	-0.00507	0.91303	0.141841	0.00212
1.01E-10	0.110627	0.01677	0.328981	3.00E-13	0.327347	3.99E-13	0.372125	8.73E-17
2.62E-20	0.204448	8.45E-06	0.340689	3.72E-14	0.190737	3.34E-05	0.407583	4.07E-20
1.00E-06	0.136967	0.00302	0.35979	1.02E-15	0.256259	1.94E-08	0.344384	1.89E-14
2.92E-05	0.109975	0.01743	0.365007	3.65E-16	0.356815	1.81E-15	0.45471	3.30E-25
2.03E-18	0.187619	4.51E-05	0.150011	0.00115	0.196517	1.89E-05	0.331457	1.95E-13
1.95E-07	0.106466	0.02138	0.163882	0.00038	0.034048	0.46293	0.192471	2.82E-05
6.87E-14	-0.07989	0.08461	-0.28918	1.90E-10	-0.30389	1.96E-11	-0.31793	1.98E-12
2.21E-17	0.219515	1.67E-06	0.063179	0.17288	0.051045	0.27096	0.277866	1.00E-09
9.56E-25	0.159873	0.00052	0.259052	1.34E-08	0.184432	6.09E-05	0.346578	1.26E-14
1.20E-09	0.172242	0.00018	0.385737	5.13E-18	0.340198	4.07E-14	0.522331	4.76E-34
8.85E-13	0.157306	0.00065	0.37387	6.12E-17	0.349216	7.70E-15	0.416857	4.67E-21
1.32E-06	0.15571	0.00073	0.247174	6.26E-08	0.204338	8.55E-06	0.378305	2.45E-17
3.70E-28	0.103753	0.02495	0.194784	2.25E-05	0.118059	0.01067	0.199903	1.35E-05
2.02E-25	0.320609	1.27E-12	0.109906	0.0175	0.261274	9.99E-09	0.489452	1.67E-29
1.71E-21	0.195231	2.15E-05	0.101563	0.02819	0.177448	0.00012	0.358564	1.29E-15
1.04E-14	0.147868	0.00135	0.155419	0.00075	0.134563	0.00358	0.319484	1.53E-12
0.00037	0.114487	0.0133	0.333072	1.46E-13	0.25788	1.57E-08	0.365774	3.14E-16
0.00021	0.126609	0.00615	0.004714	0.91907	0.050785	0.27341	0.167842	0.00027
3.37E-37	0.02982	0.52033	-0.12328	0.00765	-0.09588	0.03834	-0.00345	0.94072
0.00353	0.161888	0.00044	0.353121	3.68E-15	0.358339	1.35E-15	0.48758	2.93E-29
5.45E-28	0.020388	0.66034	-0.02408	0.60379	-0.0769	0.09694	0.008963	0.84682
1.11E-21	0.173719	0.00016	0.233254	3.44E-07	0.157655	0.00063	0.325738	5.27E-13
6.81E-05	-0.05649	0.22308	-0.11861	0.01031	-0.23025	4.90E-07	-0.21919	1.73E-06
2.45E-46	0.087437	0.05901	0.013125	0.77726	-0.06604	0.15421	0.066624	0.15058
0.00568	0.124807	0.00692	0.319369	1.56E-12	0.065557	0.15724	0.215768	2.53E-06
4.42E-14	0.125324	0.00669	0.205602	7.49E-06	0.106186	0.02173	0.287727	2.36E-10
1.29E-05	0.204642	8.28E-06	0.414487	8.18E-21	0.481848	1.60E-28	0.557208	1.91E-39
7.79E-08	0.184317	6.15E-05	0.37789	2.67E-17	0.344135	1.98E-14	0.37688	3.29E-17
6.58E-16	0.05973	0.19758	0.17373	0.00016	0.11333	0.01427	0.175028	0.00014

0.00019	0.00445	0.92359	0.332409	1.64E-13	0.241816	1.22E-07	0.239601	1.60E-07
1.56E-07	0.120824	0.00896	0.00672	0.88484	-0.03225	0.48691	0.109318	0.01812
2.27E-08	-0.05197	0.2624	0.338002	6.06E-14	0.162461	0.00042	0.158605	0.00058
4.40E-17	0.074229	0.10915	0.063901	0.16801	0.08448	0.06815	0.127154	0.00593
5.26E-25	-0.25283	3.04E-08	-0.22278	1.16E-06	-0.31811	1.93E-12	-0.49448	3.63E-30
1.75E-22	0.091655	0.04775	0.03686	0.4268	0.038485	0.40668	0.129408	0.0051
9.75E-25	0.14998	0.00115	0.184109	6.27E-05	0.145262	0.00165	0.28121	6.17E-10
9.90E-09	0.03338	0.47176	0.112228	0.01525	0.075272	0.10425	0.116077	0.01207
5.90E-07	0.199824	1.36E-05	0.254317	2.50E-08	0.218292	1.91E-06	0.324619	6.39E-13
4.70E-09	0.153573	0.00087	0.469078	6.33E-27	0.53577	4.71E-36	0.652761	4.81E-58
1.90E-18	0.179204	9.87E-05	0.170356	0.00022	0.138427	0.00272	0.271467	2.48E-09
5.35E-38	0.262963	7.96E-09	0.160112	0.00051	0.129581	0.00504	0.385079	5.90E-18
1.14E-16	0.116181	0.01199	0.427463	3.62E-22	0.262717	8.23E-09	0.459528	8.94E-26
3.63E-20	0.137606	0.00288	0.180354	8.88E-05	0.084501	0.06808	0.285408	3.34E-10
1.09E-11	0.171216	0.0002	0.060116	0.1947	0.079992	0.08421	0.2528	3.05E-08
4.79E-08	-0.08228	0.07569	0.155531	0.00074	0.234687	2.90E-07	0.221006	1.41E-06
1.78E-11	0.100587	0.02975	0.105576	0.0225	0.13975	0.00247	0.218137	1.95E-06
6.20E-06	0.222556	1.19E-06	0.275951	1.32E-09	0.33288	1.51E-13	0.534295	7.90E-36
1.26E-30	0.139126	0.00259	0.172355	0.00018	0.150127	0.00114	0.329772	2.61E-13
5.33E-08	0.214846	2.80E-06	0.01571	0.73491	0.143945	0.00182	0.309239	8.32E-12
5.52E-11	0.146013	0.00156	0.205291	7.74E-06	0.227358	6.86E-07	0.326936	4.28E-13
1.03E-32	0.163462	0.00039	0.294026	9.13E-11	0.367746	2.11E-16	0.385543	5.34E-18
3.05E-09	-0.08739	0.05916	-0.20296	9.86E-06	-0.13009	0.00487	-0.21494	2.77E-06
2.04E-05	-0.11811	0.01063	-0.13282	0.00404	-0.14621	0.00153	-0.23182	4.07E-07
4.96E-23	0.131006	0.00457	0.141261	0.00221	0.039472	0.39475	0.210091	4.67E-06
1.49E-10	0.022057	0.63447	0.35831	1.36E-15	0.021533	0.64255	0.137257	0.00296
1.15E-19	0.038952	0.401	0.114949	0.01293	0.048713	0.29349	0.153915	0.00085
3.35E-14	-0.16402	0.00037	-0.17294	0.00017	-0.27329	1.92E-09	-0.39545	6.24E-19
3.55E-07	0.003276	0.94371	0.20191	1.10E-05	0.137786	0.00285	0.149104	0.00123
6.74E-14	0.127619	0.00575	0.18824	4.25E-05	0.135947	0.00324	0.256394	1.91E-08
1.35E-10	-0.0716	0.12229	-0.04377	0.34527	-0.14352	0.00188	-0.18977	3.67E-05
2.19E-14	0.054669	0.23835	0.238062	1.93E-07	0.078522	0.09008	0.148148	0.00132
8.22E-15	-0.01196	0.79657	0.040809	0.37892	-0.01866	0.68753	0.064703	0.16273
8.66E-40	0.118793	0.01019	0.19133	3.15E-05	0.143653	0.00186	0.27163	2.42E-09
3.87E-12	0.1074	0.02026	0.138645	0.00268	0.155937	0.00072	0.236853	2.24E-07
0.00072	0.294432	8.58E-11	0.282119	5.41E-10	0.347791	1.01E-14	0.341651	3.13E-14
8.83E-23	0.056984	0.21902	0.096911	0.0363	-0.01359	0.76967	0.125713	0.00652
2.27E-20	0.12934	0.00512	0.172065	0.00019	0.090669	0.05021	0.253633	2.74E-08
7.32E-16	0.182052	7.60E-05	0.348911	8.15E-15	0.287271	2.53E-10	0.468755	6.93E-27
1.59E-24	0.058106	0.21007	0.078893	0.08857	-0.00422	0.92746	0.130136	0.00485
4.22E-13	0.15876	0.00057	0.245069	8.15E-08	0.249593	4.60E-08	0.403982	9.25E-20
1.18E-12	0.014343	0.75721	0.143497	0.00188	-0.02399	0.60501	0.077265	0.09537
2.93E-06	0.291977	1.25E-10	0.207429	6.19E-06	0.294247	8.83E-11	0.503841	1.97E-31
5.97E-15	0.176618	0.00012	0.384419	6.78E-18	0.559141	9.21E-40	0.612288	2.18E-49
1.66E-14	0.328484	3.27E-13	0.392466	1.20E-18	0.488165	2.46E-29	0.644288	4.01E-56



1.29E-18	0.137385	0.00293	0.035261	0.44714	0.009655	0.83515	0.156705	0.00068
3.50E-10	0.193845	2.47E-05	0.18341	6.70E-05	0.099059	0.03234	0.295878	6.87E-11
7.05E-05	0.307607	1.08E-11	0.331565	1.91E-13	0.298999	4.24E-11	0.421394	1.58E-21
1.16E-28	-0.0296	0.52345	-0.05096	0.27178	-0.11155	0.01588	-0.03004	0.51723
3.57E-12	-0.10528	0.02289	-0.14708	0.00144	-0.23604	2.47E-07	-0.31034	6.95E-12
1.47E-33	0.189874	3.63E-05	0.180914	8.44E-05	0.047677	0.30389	0.26552	5.63E-09
9.59E-05	-0.26883	3.57E-09	-0.14332	0.0019	-0.25361	2.75E-08	-0.27109	2.61E-09
2.90E-23	0.130961	0.00459	0.271303	2.53E-09	0.103786	0.0249	0.259083	1.34E-08
1.28E-14	0.253807	2.68E-08	0.346568	1.26E-14	0.382368	1.05E-17	0.552255	1.22E-38
2.18E-19	0.066731	0.14992	0.084946	0.06664	0.032571	0.48258	0.140565	0.00233
2.95E-08	0.125085	0.0068	0.096887	0.03634	-0.02912	0.53019	0.205581	7.51E-06
3.89E-08	0.059869	0.19654	0.079515	0.08608	-0.05458	0.23914	0.00782	0.86616
1.33E-18	0.054795	0.23726	0.027386	0.55496	0.030186	0.51523	0.126593	0.00616
0.39635	0.224984	9.01E-07	0.187084	4.74E-05	0.281061	6.31E-10	0.418335	3.29E-21
9.01E-17	0.09576	0.03858	-0.05055	0.27566	0.041759	0.36791	0.160817	0.00049
7.36E-10	0.051232	0.26921	0.273968	1.74E-09	0.031909	0.49152	0.202411	1.04E-05
2.70E-20	-0.20165	1.13E-05	-0.1423	0.00205	-0.2764	1.23E-09	-0.40319	1.11E-19
7.70E-21	-0.19486	2.23E-05	-0.31183	5.45E-12	-0.217	2.21E-06	-0.39362	9.32E-19
4.98E-21	0.131368	0.00446	-0.01614	0.72793	0.091414	0.04835	0.226246	7.80E-07
3.07E-37	0.170341	0.00022	0.147517	0.00139	0.021666	0.6405	0.216632	2.30E-06
4.17E-13	0.077324	0.09512	0.015167	0.74374	0.01794	0.699	0.147198	0.00142
3.48E-20	0.146762	0.00147	0.295458	7.33E-11	0.135449	0.00336	0.339722	4.44E-14
1.14E-09	0.048209	0.29851	0.210719	4.37E-06	0.133488	0.00385	0.246696	6.64E-08
3.01E-16	0.129244	0.00515	0.171223	0.0002	0.158552	0.00058	0.299426	3.96E-11
1.81E-16	0.141422	0.00219	0.162695	0.00042	0.088584	0.05575	0.266171	5.15E-09
2.75E-25	-0.29926	4.07E-11	-0.20597	7.21E-06	-0.31093	6.31E-12	-0.44884	1.57E-24
1.97E-40	0.126367	0.00625	0.109499	0.01793	0.054339	0.2412	0.201156	1.19E-05
8.85E-33	0.165775	0.00032	0.049352	0.2872	0.051599	0.26579	0.248922	5.01E-08
9.92E-16	0.239344	1.65E-07	0.12417	0.00722	0.152654	0.00093	0.321665	1.06E-12
1.35E-13	-0.07513	0.10492	0.022085	0.63405	-0.07202	0.12012	-0.03213	0.48855
2.65E-23	0.050691	0.2743	0.059	0.20312	0.038929	0.40128	0.157973	0.00061
5.97E-16	-0.04591	0.32221	0.043846	0.34443	0.246929	6.45E-08	0.15504	0.00077
0.0075	0.290478	1.56E-10	0.114635	0.01318	0.203282	9.53E-06	0.427488	3.60E-22
1.35E-14	-0.15005	0.00114	-0.15845	0.00059	-0.09547	0.03919	-0.25654	1.87E-08
3.80E-41	0.205714	7.41E-06	0.133529	0.00384	0.190237	3.51E-05	0.35443	2.87E-15
1.45E-20	0.28607	3.02E-10	0.288721	2.04E-10	0.346133	1.37E-14	0.535199	5.76E-36
5.74E-08	0.124362	0.00713	0.150825	0.00108	0.211028	4.22E-06	0.367467	2.24E-16
2.70E-09	0.071047	0.12524	0.169745	0.00023	0.101507	0.02828	0.179726	9.41E-05
3.22E-13	0.305192	1.59E-11	0.392048	1.31E-18	0.423734	8.99E-22	0.634823	4.76E-54
0.06946	0.203556	9.27E-06	0.14267	0.002	0.282767	4.92E-10	0.381574	1.24E-17
0.0204	0.001802	0.96903	0.006064	0.89602	0.113139	0.01444	0.190954	3.27E-05
2.45E-12	-0.09206	0.04679	-0.09365	0.04308	-0.1013	0.0286	-0.27613	1.28E-09
4.49E-16	-0.13547	0.00335	-0.38189	1.16E-17	-0.32102	1.18E-12	-0.36321	5.21E-16
1.88E-21	-0.09326	0.04397	-0.19999	1.34E-05	-0.11989	0.00951	-0.21553	2.59E-06
2.42E-19	-0.18371	6.52E-05	-0.28106	6.31E-10	-0.2179	2.00E-06	-0.4084	3.37E-20

1.08E-25	-0.09861	0.03313	-0.24548	7.74E-08	-0.26073	1.07E-08	-0.2851	3.49E-10
4.57E-05	0.05245	0.25797	0.264484	6.48E-09	0.25455	2.43E-08	0.331495	1.93E-13
1.03E-08	0.12636	0.00625	0.316927	2.35E-12	0.215975	2.47E-06	0.338938	5.12E-14
7.07E-13	0.171052	0.0002	0.049633	0.28446	-0.12633	0.00626	9.24E-05	0.99841
1.30E-13	0.198645	1.53E-05	0.052165	0.26057	0.105536	0.02255	0.322814	8.70E-13
8.37E-12	-0.10475	0.02359	-0.17471	0.00015	-0.10244	0.02686	-0.27514	1.48E-09
8.22E-06	-0.07032	0.12917	-0.06321	0.17267	-0.15928	0.00055	-0.18645	5.03E-05
1.96E-11	-0.06234	0.17866	-0.03078	0.50693	-0.07587	0.10151	-0.18526	5.63E-05
4.16E-14	0.103486	0.02533	-0.0742	0.10931	-0.09855	0.03323	-0.01821	0.69465
1.15E-08	0.1872	4.69E-05	0.109964	0.01745	0.197758	1.67E-05	0.317561	2.11E-12
2.13E-09	0.184352	6.13E-05	0.128816	0.00531	0.229565	5.31E-07	0.35145	5.05E-15
4.38E-14	0.188017	4.34E-05	0.235951	2.49E-07	0.23343	3.37E-07	0.400935	1.84E-19
2.39E-08	0.102508	0.02675	0.340863	3.61E-14	0.316343	2.59E-12	0.387439	3.56E-18
4.26E-12	0.231257	4.35E-07	0.230012	5.04E-07	0.272625	2.10E-09	0.44088	1.25E-23
1.17E-17	0.175206	0.00014	0.115697	0.01235	0.159838	0.00053	0.336056	8.60E-14
7.27E-06	0.258045	1.54E-08	0.088158	0.05695	0.19545	2.10E-05	0.400885	1.86E-19
0.00193	0.11438	0.01339	0.266514	4.91E-09	0.293362	1.01E-10	0.271468	2.47E-09
8.26E-18	0.17893	0.0001	0.078903	0.08853	0.051463	0.26705	0.296994	5.78E-11
1.37E-11	0.010949	0.81345	0.107573	0.02006	-0.01291	0.78085	-0.02036	0.66084
0.04384	0.217056	2.19E-06	0.170867	0.00021	0.189038	3.93E-05	0.430339	1.78E-22
4.21E-16	-0.09941	0.03172	-0.04138	0.37227	-0.20873	5.39E-06	-0.09188	0.04722
0.00481	0.108188	0.01936	0.301431	2.89E-11	0.35874	1.25E-15	0.398231	3.37E-19
1.38E-16	-0.2002	1.31E-05	-0.03395	0.46421	-0.23308	3.51E-07	-0.26642	4.98E-09
2.35E-40	0.299475	3.93E-11	0.260397	1.12E-08	0.36833	1.88E-16	0.561353	3.96E-40
0.00331	0.103504	0.0253	0.103842	0.02483	0.282327	5.25E-10	0.30874	9.02E-12
1.74E-28	0.075182	0.10466	0.189403	3.80E-05	-0.01944	0.67523	0.120471	0.00916
0.00025	0.190212	3.51E-05	0.106512	0.02133	0.123432	0.00757	0.286092	3.01E-10
6.84E-11	-0.16982	0.00023	-0.05328	0.2505	-0.00739	0.87338	-0.22807	6.32E-07
1.21E-18	0.008758	0.85028	0.09446	0.04131	0.017266	0.70979	0.081008	0.08033
2.02E-15	0.090079	0.05173	0.154831	0.00079	0.077119	0.096	0.272122	2.26E-09
7.41E-16	-0.03182	0.49278	-0.04431	0.33934	0.017454	0.70677	-0.13446	0.0036
3.90E-08	-0.16397	0.00037	-0.1172	0.01125	-0.02161	0.64137	-0.19967	1.38E-05
9.30E-13	0.177295	0.00012	0.023135	0.61801	0.034363	0.4588	0.170025	0.00022
6.36E-19	0.038782	0.40307	0.061168	0.18699	0.010235	0.8254	0.149086	0.00123
1.47E-19	0.203589	9.24E-06	0.173242	0.00017	0.118055	0.01067	0.304669	1.73E-11
7.62E-08	0.237802	1.99E-07	0.168005	0.00027	0.196446	1.91E-05	0.358183	1.39E-15
2.83E-12	0.115422	0.01256	-0.02096	0.65142	0.052032	0.26179	0.161305	0.00047
7.97E-28	0.223319	1.09E-06	0.107639	0.01999	0.129256	0.00515	0.313215	4.34E-12
0.00019	0.166133	0.00031	0.005938	0.89817	0.078467	0.09031	0.173487	0.00016
0.00016	0.041597	0.36978	0.181941	7.68E-05	0.109397	0.01804	0.122394	0.0081
2.41E-27	0.195831	2.03E-05	0.111458	0.01597	0.187832	4.41E-05	0.340202	4.07E-14
3.20E-25	0.165746	0.00032	0.139997	0.00243	0.068474	0.13954	0.21814	1.95E-06
0.22116	0.161739	0.00045	0.243982	9.33E-08	0.335788	9.02E-14	0.415394	6.60E-21
1.44E-13	0.034295	0.45969	0.196199	1.95E-05	0.020539	0.65798	0.143565	0.00187
7.02E-13	0.115168	0.01276	0.094911	0.04035	-0.11182	0.01563	-0.00392	0.93268

3.14E-15	0.051706	0.2648	0.062648	0.17652	0.015727	0.73462	0.097337	0.03548
1.14E-07	-0.0088	0.8495	0.082272	0.07571	0.093705	0.04297	0.07453	0.10772
6.26E-18	-0.10479	0.02354	-0.16637	0.00031	-0.05389	0.2451	-0.21935	1.70E-06
5.95E-15	0.22205	1.26E-06	0.169549	0.00023	0.232432	3.79E-07	0.420655	1.89E-21
1.14E-13	0.187304	4.64E-05	0.160823	0.00049	0.316798	2.40E-12	0.403258	1.09E-19
0.00427	0.244093	9.20E-08	0.26759	4.24E-09	0.319645	1.49E-12	0.485646	5.22E-29
1.57E-19	0.053126	0.25188	0.138273	0.00275	0.068975	0.13666	0.181978	7.65E-05
1.14E-09	0.077203	0.09564	-0.08942	0.05347	-0.14558	0.00161	-0.03727	0.42164
1.18E-28	0.093339	0.04379	0.191738	3.03E-05	0.099506	0.03156	0.226113	7.92E-07
5.70E-05	0.17798	0.00011	0.252574	3.14E-08	0.209605	4.92E-06	0.316647	2.46E-12
0.00015	0.074548	0.10764	0.058377	0.20795	0.04816	0.29901	0.109116	0.01834
3.63E-06	-0.16569	0.00032	-0.09564	0.03883	0.02986	0.51977	-0.17333	0.00017
3.36E-21	-0.18372	6.50E-05	-0.18805	4.33E-05	-0.18322	6.82E-05	-0.36988	1.38E-16
3.32E-14	-0.01352	0.7708	0.054806	0.23717	-0.16048	0.0005	-0.05819	0.2094
5.72E-28	0.187063	4.75E-05	0.189527	3.75E-05	0.134983	0.00347	0.324942	6.04E-13
4.86E-24	0.096677	0.03675	0.112546	0.01496	0.065027	0.16063	0.155344	0.00076
4.17E-06	0.053783	0.24605	0.211934	3.83E-06	0.116663	0.01164	0.155495	0.00075
1.82E-15	0.085843	0.06381	0.280325	7.02E-10	0.141936	0.00211	0.213159	3.36E-06
5.43E-16	-0.10627	0.02163	-0.05282	0.25466	-0.22607	7.96E-07	-0.18068	8.62E-05
5.79E-30	0.148144	0.00132	0.15978	0.00053	0.034975	0.45083	0.253421	2.81E-08
3.80E-15	-0.11313	0.01444	-0.09012	0.05163	-0.11256	0.01495	-0.22724	6.96E-07
1.07E-29	0.155069	0.00077	0.218511	1.87E-06	0.098306	0.03368	0.281996	5.50E-10
1.48E-14	-0.20385	8.99E-06	-0.18117	8.24E-05	-0.33333	1.40E-13	-0.38531	5.61E-18
2.54E-13	-0.0649	0.16142	-0.07979	0.08499	-0.16958	0.00023	-0.26104	1.03E-08
3.69E-07	0.23941	1.64E-07	0.176867	0.00012	0.313216	4.34E-12	0.499742	7.13E-31
4.39E-26	0.141973	0.0021	0.227061	7.10E-07	0.159345	0.00055	0.318626	1.77E-12
1.56E-17	0.079879	0.08465	-0.02817	0.54363	0.041183	0.37456	0.137631	0.00288
1.97E-16	0.044806	0.33396	0.192809	2.73E-05	0.092884	0.04483	0.186829	4.86E-05
7.89E-19	-0.21307	3.39E-06	-0.18512	5.71E-05	-0.30052	3.34E-11	-0.38549	5.40E-18
4.08E-10	0.05939	0.20015	0.190011	3.58E-05	0.091845	0.04729	0.200961	1.21E-05
2.84E-17	-0.12502	0.00683	-0.20916	5.15E-06	-0.17179	0.00019	-0.25029	4.21E-08
6.17E-30	0.084262	0.06887	0.092687	0.04529	0.068392	0.14001	0.187296	4.65E-05
4.66E-09	0.144265	0.00177	0.027196	0.55771	0.03117	0.50162	0.217885	2.00E-06
2.18E-10	-0.23687	2.23E-07	-0.30455	1.77E-11	-0.30904	8.59E-12	-0.43654	3.77E-23
5.63E-19	-0.22128	1.37E-06	-0.224	1.01E-06	-0.28539	3.34E-10	-0.46394	2.66E-26
3.42E-09	-0.20898	5.25E-06	-0.2528	3.05E-08	-0.22855	5.98E-07	-0.43527	5.20E-23
4.56E-27	0.021032	0.6503	-0.00332	0.94298	-0.10199	0.02754	0.003282	0.94361
0.05398	0.147961	0.00134	0.124699	0.00697	0.180473	8.79E-05	0.297515	5.33E-11
7.10E-06	0.334276	1.18E-13	0.215842	2.51E-06	0.138454	0.00271	0.353051	3.73E-15
1.79E-16	-0.1222	0.0082	-0.10295	0.0261	-0.10815	0.0194	-0.20573	7.40E-06
3.25E-25	0.147714	0.00137	0.159157	0.00056	0.247148	6.28E-08	0.32828	3.39E-13
1.07E-15	0.135431	0.00336	0.220315	1.53E-06	0.215684	2.55E-06	0.343149	2.38E-14
2.63E-15	0.007826	0.86606	-0.00673	0.88459	-0.03593	0.43858	0.027374	0.55514
4.01E-22	0.178076	0.00011	0.427024	4.03E-22	0.337011	7.24E-14	0.471007	3.67E-27
9.94E-11	0.141798	0.00213	0.204967	8.01E-06	0.156067	0.00071	0.322244	9.59E-13

1.14E-19	-0.16812	0.00026	-0.15982	0.00053	-0.26721	4.46E-09	-0.3871	3.83E-18
4.04E-07	0.144942	0.00169	0.313467	4.17E-12	0.44109	1.18E-23	0.44387	5.76E-24
1.13E-06	0.265551	5.60E-09	0.201739	1.12E-05	0.335388	9.69E-14	0.498521	1.04E-30
8.20E-28	0.167447	0.00028	0.087746	0.05812	-0.05392	0.24483	0.180338	8.90E-05
5.44E-28	0.079011	0.08809	0.102031	0.02747	0.108716	0.01877	0.227306	6.90E-07
3.84E-11	0.095287	0.03956	0.146376	0.00151	0.133794	0.00377	0.260644	1.09E-08
4.06E-18	-0.30944	8.05E-12	-0.20031	1.29E-05	-0.37454	5.34E-17	-0.59003	3.86E-45
1.91E-09	0.054103	0.24326	0.232519	3.75E-07	0.177039	0.00012	0.343504	2.23E-14
8.42E-06	0.238093	1.92E-07	-0.14267	0.002	-0.07096	0.12569	0.169076	0.00024
5.63E-18	0.154897	0.00078	0.12963	0.00502	0.124744	0.00695	0.261753	9.37E-09
6.81E-24	0.172657	0.00018	0.231468	4.25E-07	0.120955	0.00888	0.322643	8.96E-13
9.45E-23	0.086596	0.06151	0.165577	0.00033	0.093714	0.04295	0.26665	4.82E-09
0.01922	0.132442	0.00414	0.349081	7.90E-15	0.185563	5.47E-05	0.373622	6.44E-17
3.81E-09	-0.09651	0.03709	-0.23798	1.95E-07	-0.09611	0.03787	-0.23064	4.68E-07
2.06E-09	0.232595	3.72E-07	0.283345	4.52E-10	0.294284	8.77E-11	0.461076	5.85E-26
2.37E-09	-0.03885	0.4022	0.091138	0.04903	0.003487	0.94009	-0.01466	0.75208
2.05E-18	0.113581	0.01405	0.262556	8.41E-09	0.253866	2.66E-08	0.444593	4.78E-24
4.18E-06	0.199006	1.47E-05	0.259487	1.27E-08	0.369868	1.38E-16	0.599811	5.77E-47
5.81E-19	0.103689	0.02504	-0.13642	0.00314	-0.12222	0.00819	0.035693	0.44159
2.69E-05	-0.07496	0.1057	-0.03229	0.48632	-0.15463	0.0008	-0.19641	1.91E-05
8.77E-11	0.13665	0.00309	0.096479	0.03714	0.18452	6.04E-05	0.247096	6.32E-08
2.71E-19	0.156938	0.00067	0.222408	1.21E-06	0.125051	0.00681	0.333552	1.34E-13
0.00032	0.156083	0.00071	0.23172	4.12E-07	0.132194	0.00421	0.315769	2.85E-12
0.03139	0.209365	5.04E-06	0.096538	0.03702	0.276916	1.15E-09	0.374236	5.68E-17
9.30E-09	0.072624	0.11705	0.111869	0.01558	0.106148	0.02178	0.208697	5.41E-06
2.07E-05	0.061176	0.18693	0.196235	1.95E-05	0.194202	2.38E-05	0.284372	3.89E-10
4.70E-09	0.058341	0.20823	0.369785	1.40E-16	0.331954	1.78E-13	0.392687	1.14E-18
1.85E-13	0.112832	0.0147	0.162588	0.00042	0.191352	3.15E-05	0.209653	4.89E-06
3.57E-06	0.135414	0.00337	0.428085	3.11E-22	0.284069	4.06E-10	0.428129	3.07E-22
3.44E-05	0.048379	0.29682	0.351088	5.41E-15	0.441446	1.08E-23	0.418251	3.36E-21
1.82E-08	-0.04514	0.33033	0.133752	0.00378	-0.02538	0.58436	-0.02737	0.55517
2.56E-07	0.132929	0.00401	0.178297	0.00011	0.167765	0.00027	0.317569	2.11E-12
4.64E-10	0.203845	8.99E-06	0.191842	3.00E-05	0.220972	1.42E-06	0.362544	5.94E-16
1.65E-20	0.229285	5.49E-07	0.372172	8.65E-17	0.359086	1.17E-15	0.572613	4.88E-42
0.27886	-0.06459	0.16345	-0.21282	3.48E-06	-0.28399	4.11E-10	-0.3146	3.46E-12
1.34E-10	-0.10598	0.02199	0.255798	2.06E-08	0.149315	0.00121	0.188823	4.02E-05
1.01E-10	0.240399	1.45E-07	0.040018	0.38823	0.107588	0.02004	0.363533	4.89E-16
9.72E-09	0.009452	0.83857	0.055043	0.23515	-0.01012	0.8273	0.067659	0.14432
0.67343	0.247971	5.66E-08	0.216378	2.36E-06	0.311499	5.76E-12	0.476088	8.58E-28
2.09E-16	-0.14603	0.00155	-0.15884	0.00057	-0.1939	2.45E-05	-0.26527	5.82E-09
9.86E-22	-0.17125	0.0002	-0.2641	6.83E-09	-0.16607	0.00031	-0.35387	3.19E-15
1.39E-14	-0.23063	4.69E-07	-0.20868	5.43E-06	-0.33786	6.22E-14	-0.4555	2.67E-25
8.67E-41	-0.32289	8.58E-13	-0.10666	0.02115	-0.14215	0.00207	-0.39209	1.30E-18
6.76E-25	0.192015	2.95E-05	0.13275	0.00406	0.094281	0.0417	0.333155	1.44E-13
5.01E-06	0.101301	0.0286	-0.03943	0.39522	0.048304	0.29757	0.134434	0.00361

2.00E-10	-0.10745	0.0202	0.278289	9.41E-10	0.041489	0.37101	0.049368	0.28704
5.02E-29	0.145335	0.00164	0.300876	3.16E-11	0.347656	1.03E-14	0.417397	4.11E-21
1.59E-39	0.078109	0.09179	0.069153	0.13565	-0.024	0.60491	0.105404	0.02272
3.57E-06	0.263049	7.87E-09	0.272333	2.19E-09	0.288895	1.98E-10	0.477988	4.95E-28
4.12E-18	0.210138	4.65E-06	0.207374	6.23E-06	0.178441	0.00011	0.408406	3.37E-20
2.04E-39	0.111907	0.01554	0.033906	0.46481	0.024682	0.5947	0.208142	5.74E-06
3.77E-07	-0.00536	0.90805	0.18236	7.38E-05	0.129102	0.0052	0.09076	0.04998
2.54E-17	0.30274	2.35E-11	0.204397	8.50E-06	0.313383	4.23E-12	0.488731	2.07E-29
1.66E-14	0.12141	0.00863	0.348532	8.75E-15	0.29695	5.82E-11	0.383721	7.87E-18
3.51E-12	-0.19883	1.50E-05	-0.16253	0.00042	-0.25497	2.30E-08	-0.40401	9.19E-20
7.21E-24	0.063565	0.17027	0.203256	9.56E-06	0.139926	0.00244	0.261953	9.12E-09
1.38E-19	0.196415	1.91E-05	0.235899	2.51E-07	0.158648	0.00058	0.376617	3.48E-17
2.70E-35	0.128101	0.00557	0.259274	1.30E-08	0.130481	0.00474	0.269307	3.34E-09
7.89E-09	-0.01368	0.76815	-0.10871	0.01877	-0.10921	0.01824	-0.10336	0.0255
1.01E-06	0.241679	1.24E-07	0.378999	2.12E-17	0.427526	3.56E-22	0.57366	3.22E-42
1.98E-18	0.142238	0.00206	0.096795	0.03652	0.08307	0.0729	0.271142	2.59E-09
2.36E-08	0.082749	0.07402	0.035764	0.44069	-0.0244	0.59889	0.055991	0.22717
2.08E-23	0.232244	3.88E-07	0.272344	2.19E-09	0.275804	1.34E-09	0.421884	1.41E-21
1.28E-10	-0.09605	0.038	0.069877	0.13159	-0.00639	0.89047	-0.00261	0.95513
5.21E-06	-0.15092	0.00107	0.059613	0.19847	0.000476	0.99181	-0.02071	0.65524
0.00034	0.051976	0.26231	0.196332	1.93E-05	0.2796	7.79E-10	0.286771	2.73E-10
0.00018	0.270429	2.86E-09	0.044937	0.33255	0.235521	2.62E-07	0.323665	7.52E-13
6.11E-14	0.321366	1.11E-12	0.241064	1.34E-07	0.34176	3.06E-14	0.375268	4.59E-17
2.74E-13	-0.03923	0.39761	0.237752	2.01E-07	-0.02552	0.58231	0.035162	0.44841
2.47E-41	0.197597	1.70E-05	0.22181	1.29E-06	0.16216	0.00043	0.359779	1.02E-15
3.08E-07	0.067136	0.14746	0.251395	3.65E-08	0.144145	0.00179	0.189665	3.70E-05
7.93E-05	-0.06844	0.13975	-0.10074	0.02951	0.075486	0.10327	-0.01732	0.70894
2.52E-09	-0.13026	0.00481	0.18752	4.55E-05	-0.029	0.53193	-0.01221	0.79234
1.26E-18	-0.13291	0.00401	0.178771	0.0001	0.003817	0.93444	-0.10569	0.02235
9.20E-11	0.218751	1.82E-06	0.063057	0.17371	0.057734	0.213	0.286777	2.72E-10
5.35E-09	0.275857	1.33E-09	0.196211	1.95E-05	0.333754	1.30E-13	0.497702	1.34E-30
8.89E-07	0.068902	0.13708	0.138294	0.00274	0.124057	0.00727	0.294791	8.12E-11
1.77E-19	0.111688	0.01575	0.189753	3.67E-05	0.233226	3.45E-07	0.326534	4.59E-13
8.59E-07	0.248793	5.10E-08	0.316431	2.55E-12	0.459468	9.09E-26	0.624227	8.25E-52
1.68E-42	0.070185	0.12989	0.031433	0.49802	-0.09833	0.03364	0.036733	0.4284
1.29E-22	-0.1492	0.00122	-0.2401	1.51E-07	-0.18622	5.15E-05	-0.30034	3.43E-11
2.50E-15	0.239736	1.58E-07	0.247584	5.94E-08	0.123633	0.00748	0.323709	7.46E-13
1.78E-24	0.098124	0.03401	0.110447	0.01695	0.022252	0.63149	0.186701	4.92E-05
1.51E-17	0.113264	0.01433	0.214122	3.03E-06	0.234079	3.12E-07	0.399143	2.75E-19
0.01337	0.260329	1.13E-08	0.240495	1.44E-07	0.229281	5.49E-07	0.39616	5.33E-19
4.69E-09	0.103722	0.02499	0.207183	6.35E-06	0.214478	2.91E-06	0.301489	2.87E-11
1.71E-15	0.184788	5.89E-05	0.423891	8.66E-22	0.465532	1.71E-26	0.631591	2.35E-53
1.17E-07	0.140398	0.00236	0.083751	0.07058	0.176336	0.00013	0.38031	1.61E-17
0.41689	0.061971	0.18126	0.296633	6.12E-11	0.318839	1.70E-12	0.293247	1.03E-10
4.98E-07	0.167474	0.00028	0.121415	0.00863	0.247395	6.08E-08	0.32935	2.81E-13

7.53E-19	-0.08004	0.08402	0.021715	0.63975	-0.10133	0.02856	-0.03727	0.42163
7.60E-27	-0.1298	0.00496	-0.15979	0.00053	-0.26994	3.06E-09	-0.33759	6.53E-14
4.57E-26	0.16585	0.00032	0.149362	0.00121	0.140587	0.00233	0.348784	8.35E-15
0.00766	-0.05908	0.20248	-0.15632	0.0007	-0.21137	4.07E-06	-0.22418	9.88E-07
1.98E-08	0.130001	0.0049	0.242634	1.10E-07	0.155111	0.00077	0.268909	3.53E-09
2.06E-09	0.209537	4.95E-06	0.242363	1.14E-07	0.270101	2.99E-09	0.460036	7.78E-26
2.29E-08	-0.02674	0.56434	0.183465	6.66E-05	0.042317	0.36154	0.108363	0.01916
5.48E-27	0.104079	0.0245	0.088063	0.05722	0.016932	0.71515	0.126986	0.006
0.21585	0.102501	0.02676	0.075526	0.10309	0.258256	1.49E-08	0.244276	9.00E-08
1.84E-18	0.250006	4.37E-08	0.244954	8.27E-08	0.179518	9.59E-05	0.364797	3.81E-16
8.12E-11	0.15003	0.00115	0.086822	0.06083	0.068837	0.13745	0.256697	1.83E-08
2.15E-10	-0.0481	0.29966	0.105187	0.02301	0.051561	0.26614	0.039726	0.39171
6.42E-16	0.117614	0.01097	0.195085	2.18E-05	0.251611	3.55E-08	0.343636	2.17E-14
5.45E-24	0.062429	0.17805	0.067024	0.14814	-0.03862	0.40505	0.160411	0.0005
1.02E-11	0.182459	7.32E-05	0.099335	0.03186	0.179375	9.72E-05	0.357832	1.49E-15
3.52E-06	0.195213	2.15E-05	0.42146	1.56E-21	0.425922	5.28E-22	0.535778	4.70E-36
1.18E-07	0.23525	2.71E-07	0.328872	3.06E-13	0.340728	3.70E-14	0.477987	4.95E-28
4.98E-26	-0.10281	0.0263	-0.17502	0.00014	-0.32792	3.61E-13	-0.30247	2.46E-11
3.58E-09	-0.13416	0.00368	-0.04798	0.30086	-0.03905	0.39986	-0.18003	9.15E-05
1.47E-16	0.171613	0.00019	0.409259	2.76E-20	0.228889	5.74E-07	0.406773	4.90E-20
2.75E-06	0.089983	0.05198	0.059965	0.19582	-0.0028	0.95183	0.193415	2.57E-05
3.87E-20	-0.15522	0.00076	-0.05464	0.23858	-0.22537	8.62E-07	-0.27187	2.34E-09
2.63E-11	0.063269	0.17227	0.092524	0.04567	0.067801	0.14348	0.154126	0.00083
2.89E-23	0.129605	0.00503	0.023324	0.61513	-0.01516	0.74386	0.167017	0.00029
2.05E-15	0.001939	0.96667	-0.20178	1.11E-05	-0.1474	0.0014	-0.0873	0.05941
2.46E-18	0.11996	0.00946	0.121799	0.00842	0.162491	0.00042	0.273801	1.78E-09
9.36E-34	0.20249	1.03E-05	0.296231	6.51E-11	0.276402	1.23E-09	0.447854	2.04E-24
4.09E-09	0.240346	1.46E-07	0.371802	9.33E-17	0.194568	2.30E-05	0.335218	9.99E-14
2.09E-32	0.20884	5.33E-06	0.252939	2.99E-08	0.257564	1.64E-08	0.420942	1.76E-21
1.39E-05	-0.14243	0.00203	-0.27906	8.43E-10	-0.24982	4.47E-08	-0.36766	2.15E-16
2.82E-11	-0.03753	0.41838	-0.03153	0.49675	-0.14364	0.00186	-0.16323	0.0004
2.36E-13	0.145301	0.00164	0.254147	2.56E-08	0.267271	4.43E-09	0.378864	2.18E-17
2.77E-24	0.120143	0.00936	0.069997	0.13093	-0.00359	0.93839	0.157753	0.00062
1.01E-09	-0.00355	0.93895	0.205806	7.34E-06	0.066347	0.15228	0.119242	0.0099
2.42E-13	0.287033	2.62E-10	0.300587	3.30E-11	0.271053	2.62E-09	0.459404	9.25E-26
4.08E-37	0.072244	0.11898	0.107765	0.01984	-0.00964	0.83541	0.114309	0.01345
4.02E-16	0.1126	0.01491	0.302416	2.48E-11	0.111807	0.01564	0.244126	9.17E-08
5.64E-17	0.11797	0.01073	0.156896	0.00067	0.090636	0.0503	0.26896	3.51E-09
2.38E-28	0.270734	2.74E-09	0.253381	2.83E-08	0.330915	2.14E-13	0.480294	2.53E-28
1.15E-08	-0.23752	2.06E-07	-0.37057	1.20E-16	-0.4116	1.61E-20	-0.52624	1.27E-34
9.44E-44	0.082575	0.07463	0.016744	0.71817	-0.07016	0.13002	0.071728	0.12165
7.23E-09	-0.17769	0.00011	-0.31102	6.23E-12	-0.28912	1.92E-10	-0.42442	7.61E-22
1.76E-06	-0.2616	9.56E-09	-0.10189	0.02769	-0.20404	8.81E-06	-0.3218	1.03E-12
4.56E-15	0.099726	0.03119	0.097375	0.03541	0.056656	0.22169	0.210949	4.26E-06
8.29E-10	-0.19544	2.11E-05	-0.23196	4.01E-07	-0.24414	9.15E-08	-0.32427	6.79E-13

3.86E-08	0.170604	0.00021	0.298582	4.52E-11	0.355886	2.17E-15	0.473993	1.57E-27
1.49E-17	0.293768	9.50E-11	0.353034	3.74E-15	0.325623	5.37E-13	0.548224	5.41E-38
9.71E-14	-0.1816	7.93E-05	-0.26529	5.81E-09	-0.32985	2.58E-13	-0.43851	2.28E-23
4.61E-22	0.281795	5.67E-10	0.421117	1.69E-21	0.423001	1.07E-21	0.587531	1.11E-44
9.60E-27	0.147076	0.00144	0.134872	0.0035	-0.06045	0.19222	0.156469	0.00069
3.42E-08	-0.06589	0.1551	-0.24499	8.23E-08	-0.19792	1.64E-05	-0.22342	1.08E-06
1.04E-09	0.175066	0.00014	0.088117	0.05706	0.112325	0.01516	0.281149	6.23E-10
9.50E-11	0.146517	0.0015	0.314876	3.30E-12	0.223725	1.04E-06	0.44044	1.40E-23
1.67E-05	0.179063	1.00E-04	0.267108	4.53E-09	0.227524	6.73E-07	0.353021	3.75E-15
2.01E-10	0.299985	3.63E-11	0.38781	3.29E-18	0.391665	1.43E-18	0.517985	2.03E-33
4.34E-17	0.229162	5.56E-07	0.321613	1.07E-12	0.389504	2.28E-18	0.541815	5.51E-37
4.05E-08	0.170876	0.00021	0.295665	7.10E-11	0.27692	1.15E-09	0.437776	2.75E-23
3.49E-14	0.36938	1.52E-16	0.432645	1.00E-22	0.556897	2.15E-39	0.668014	1.16E-61
1.63E-24	-0.02874	0.53553	-0.01771	0.70268	0.11869	0.01025	0.009074	0.84495
1.59E-08	0.149544	0.00119	0.322524	9.14E-13	0.313472	4.16E-12	0.409349	2.71E-20
7.76E-08	0.117939	0.01075	0.241207	1.32E-07	0.197842	1.66E-05	0.360704	8.52E-16
6.75E-21	-0.17879	0.0001	-0.27768	1.03E-09	-0.24001	1.52E-07	-0.39981	2.37E-19
4.95E-07	0.104536	0.02387	0.080123	0.0837	-0.00272	0.95317	0.156721	0.00068
1.01E-21	0.235663	2.58E-07	0.118881	0.01013	0.148312	0.00131	0.311489	5.77E-12
1.46E-15	0.251181	3.76E-08	-0.01283	0.78212	0.062471	0.17775	0.275051	1.49E-09
3.55E-20	0.114578	0.01323	0.153203	0.0009	0.114684	0.01314	0.206143	7.08E-06
2.11E-06	0.027652	0.55112	0.40691	4.75E-20	0.329902	2.56E-13	0.381003	1.40E-17
4.45E-51	0.189066	3.92E-05	0.168467	0.00026	0.127388	0.00584	0.30146	2.88E-11
3.28E-08	0.211756	3.91E-06	0.106961	0.02078	0.168679	0.00025	0.275617	1.38E-09
4.40E-16	-0.17968	9.45E-05	-0.17937	9.72E-05	-0.255	2.29E-08	-0.3764	3.64E-17
1.30E-15	0.044619	0.33599	0.134624	0.00356	0.016965	0.71462	0.112139	0.01533
1.85E-14	0.108822	0.01865	0.267297	4.41E-09	0.15048	0.00111	0.291233	1.40E-10
1.68E-23	0.107343	0.02033	0.242519	1.12E-07	0.303436	2.11E-11	0.365278	3.46E-16
1.42E-10	0.165555	0.00033	0.319083	1.64E-12	0.455556	2.63E-25	0.560068	6.47E-40
2.93E-26	0.094229	0.04181	0.33428	1.18E-13	0.250859	3.91E-08	0.334831	1.07E-13
6.22E-13	0.001715	0.97052	0.225835	8.18E-07	0.34548	1.55E-14	0.353066	3.72E-15
4.02E-24	0.081003	0.08035	0.008056	0.86216	0.053314	0.2502	0.151445	0.00103
6.49E-08	0.193522	2.55E-05	0.277328	1.08E-09	0.244452	8.80E-08	0.382216	1.08E-17
0.00952	0.191385	3.14E-05	0.340884	3.59E-14	0.364873	3.75E-16	0.393436	9.71E-19
7.50E-07	0.02301	0.61991	0.018548	0.68931	0.101503	0.02829	0.238201	1.90E-07
2.46E-05	0.00209	0.96407	0.034537	0.45653	-0.0492	0.28865	0.087418	0.05907
3.12E-21	0.053442	0.24907	0.091636	0.0478	-0.06862	0.13868	0.113463	0.01416
2.13E-09	-0.07402	0.11014	-0.20951	4.96E-06	-0.08374	0.0706	-0.18182	7.76E-05
1.11E-18	-0.05424	0.24204	-0.23544	2.65E-07	-0.26392	7.00E-09	-0.26347	7.44E-09
3.39E-39	0.124728	0.00696	0.021373	0.64501	-0.066	0.15443	0.126614	0.00615
1.16E-20	0.146192	0.00154	0.081028	0.08025	0.074642	0.10719	0.243015	1.05E-07
8.14E-40	0.030185	0.51524	0.109553	0.01787	0.008216	0.85945	0.117602	0.01098
1.92E-23	-0.07717	0.0958	-0.22284	1.15E-06	-0.14489	0.00169	-0.18556	5.47E-05
0.00089	0.26324	7.67E-09	0.138748	0.00266	0.346173	1.36E-14	0.491363	9.37E-30
2.31E-05	0.175205	0.00014	0.079178	0.08742	0.139451	0.00253	0.306168	1.36E-11

3.24E-17	0.237433	2.08E-07	0.408132	3.59E-20	0.424473	7.51E-22	0.598249	1.14E-46
9.14E-10	0.14079	0.00229	0.001758	0.96977	0.059059	0.20268	0.229984	5.06E-07
9.43E-10	0.114724	0.01311	0.225023	8.97E-07	0.226858	7.27E-07	0.299834	3.72E-11
2.83E-05	0.038798	0.40287	0.199483	1.41E-05	0.149312	0.00121	0.240535	1.43E-07
1.30E-13	0.127929	0.00563	0.081792	0.07744	0.01591	0.73165	0.190309	3.48E-05
2.50E-22	0.14834	0.00131	0.242569	1.11E-07	0.190288	3.49E-05	0.359343	1.11E-15
8.75E-19	0.056922	0.21952	0.327114	4.15E-13	0.20332	9.50E-06	0.366257	2.85E-16
1.94E-20	0.097358	0.03544	0.229616	5.28E-07	0.052668	0.25599	0.193029	2.67E-05
6.38E-12	-0.20189	1.10E-05	-0.36582	3.11E-16	-0.36491	3.72E-16	-0.4416	1.04E-23
3.03E-16	-0.13662	0.00309	-0.1071	0.02061	-0.25138	3.66E-08	-0.36618	2.89E-16
0.00461	0.126725	0.0061	0.348819	8.30E-15	0.211414	4.05E-06	0.31142	5.83E-12
3.75E-07	0.295948	6.80E-11	0.391485	1.49E-18	0.186047	5.23E-05	0.345553	1.52E-14
1.79E-31	-0.09126	0.04873	0.046518	0.31581	0.153842	0.00085	-0.08894	0.05477
2.07E-10	0.157755	0.00062	0.280005	7.35E-10	0.279425	7.99E-10	0.432858	9.51E-23
0.00603	0.139043	0.0026	0.079897	0.08458	0.12019	0.00933	0.191344	3.15E-05
5.94E-39	0.195939	2.00E-05	0.365824	3.10E-16	0.26144	9.77E-09	0.421381	1.59E-21
3.83E-18	0.215479	2.61E-06	0.149564	0.00119	0.178363	0.00011	0.404713	7.84E-20
5.29E-41	0.222042	1.26E-06	0.200968	1.21E-05	0.268771	3.60E-09	0.462083	4.44E-26
6.47E-39	0.181939	7.68E-05	0.173161	0.00017	0.048307	0.29753	0.286559	2.81E-10
3.83E-09	-0.01223	0.79205	-0.06448	0.16418	-0.09752	0.03514	-0.04712	0.30954
2.02E-19	0.071037	0.12529	0.120539	0.00912	-0.05403	0.24385	0.143479	0.00188
6.65E-27	0.11051	0.01689	0.072492	0.11772	-0.01634	0.72463	0.153852	0.00085
1.18E-19	0.172252	0.00018	0.290979	1.45E-10	0.376618	3.48E-17	0.538207	1.99E-36
2.45E-11	0.012456	0.78834	0.018335	0.69269	-0.09292	0.04476	0.082026	0.07659
0.00053	0.200393	1.28E-05	0.291534	1.33E-10	0.398017	3.53E-19	0.423342	9.89E-22
2.45E-06	-0.03412	0.462	0.37784	2.70E-17	0.208966	5.26E-06	0.321531	1.08E-12
8.45E-10	0.114426	0.01335	0.150907	0.00107	0.301468	2.88E-11	0.385891	4.96E-18
3.49E-07	0.255679	2.10E-08	0.283932	4.15E-10	0.310929	6.32E-12	0.482075	1.50E-28
0.01605	0.073069	0.11482	0.142988	0.00195	0.404083	9.04E-20	0.397238	4.20E-19
8.84E-09	0.134771	0.00352	0.151782	0.001	0.260427	1.12E-08	0.332463	1.63E-13
1.97E-09	0.038753	0.40342	0.03618	0.43538	0.01496	0.74713	0.072402	0.11817
3.99E-08	0.161173	0.00047	0.333859	1.27E-13	0.348301	9.14E-15	0.517932	2.07E-33
7.03E-08	0.192177	2.90E-05	0.163803	0.00038	0.253462	2.80E-08	0.426247	4.88E-22
1.28E-15	0.099998	0.03073	0.0557	0.2296	-0.01166	0.80152	0.130061	0.00488
2.23E-06	0.080231	0.08328	0.127299	0.00587	0.200513	1.27E-05	0.274214	1.68E-09
2.75E-19	-0.0807	0.08148	-0.23407	3.12E-07	-0.27909	8.38E-10	-0.32564	5.36E-13
3.92E-15	0.129351	0.00512	0.256624	1.85E-08	0.288181	2.21E-10	0.37071	1.16E-16
1.48E-13	-0.19561	2.07E-05	-0.22712	7.05E-07	-0.28404	4.08E-10	-0.38324	8.71E-18
2.68E-28	0.189142	3.89E-05	0.138857	0.00264	0.136464	0.00313	0.321806	1.03E-12
1.41E-14	-0.2557	2.09E-08	-0.0792	0.08735	-0.07	0.13089	-0.3377	6.39E-14
2.99E-14	0.140849	0.00228	0.32068	1.25E-12	0.274938	1.52E-09	0.431793	1.24E-22
2.33E-19	0.194814	2.24E-05	0.347671	1.03E-14	0.363384	5.03E-16	0.54045	8.98E-37
0.00198	0.259929	1.20E-08	0.27724	1.09E-09	0.224731	9.28E-07	0.388593	2.78E-18
6.28E-24	0.288002	2.27E-10	0.287488	2.45E-10	0.362769	5.68E-16	0.49231	7.03E-30
1.42E-09	0.079827	0.08485	0.085831	0.06384	-0.06009	0.19489	0.114855	0.01301



8.55E-18	0.082691	0.07422	0.202036	1.08E-05	0.09815	0.03397	0.168403	0.00026
7.41E-39	0.043753	0.34546	0.009652	0.83521	-0.14874	0.00127	0.0244	0.59891
1.44E-28	-0.05136	0.268	-0.27583	1.34E-09	-0.23196	4.01E-07	-0.23797	1.95E-07
8.07E-22	0.204693	8.24E-06	0.006629	0.88639	0.006005	0.89702	0.244709	8.52E-08
5.96E-08	0.194094	2.41E-05	0.086079	0.06308	0.11916	0.00996	0.364888	3.74E-16
1.14E-13	-0.0143	0.75786	-0.31609	2.70E-12	-0.20731	6.27E-06	-0.16854	0.00025
8.59E-12	0.138551	0.00269	0.342534	2.66E-14	0.345169	1.64E-14	0.44141	1.09E-23
5.64E-12	-0.17967	9.46E-05	-0.05773	0.21307	-0.06287	0.17498	-0.20348	9.34E-06
3.35E-09	0.060972	0.18841	0.045516	0.32636	0.118223	0.01056	0.18052	8.75E-05
2.05E-05	0.252296	3.25E-08	0.185507	5.50E-05	0.209041	5.22E-06	0.465741	1.61E-26
1.01E-19	-0.18517	5.68E-05	-0.27898	8.52E-10	-0.35219	4.40E-15	-0.42652	4.56E-22
4.87E-17	0.232589	3.72E-07	0.166012	0.00031	0.176044	0.00013	0.413655	9.94E-21
2.80E-09	0.11113	0.01628	0.134503	0.00359	0.122334	0.00813	0.232745	3.65E-07
2.70E-15	0.142414	0.00203	0.21899	1.77E-06	0.098275	0.03374	0.31442	3.56E-12
3.64E-09	-7.02E-05	0.99879	0.246421	6.88E-08	0.064426	0.16454	0.090163	0.05151
0.00053	0.144105	0.0018	0.314734	3.38E-12	0.280094	7.26E-10	0.365895	3.06E-16
1.29E-22	0.118509	0.01037	0.098955	0.03252	-0.09132	0.04859	0.100355	0.03013
4.70E-38	0.225679	8.32E-07	0.181497	8.00E-05	0.208986	5.25E-06	0.37197	9.01E-17
1.86E-30	0.207842	5.93E-06	0.263927	6.99E-09	0.22369	1.04E-06	0.385255	5.68E-18
8.04E-10	0.135009	0.00347	0.26076	1.07E-08	0.187225	4.68E-05	0.356935	1.77E-15
2.47E-14	0.276644	1.19E-09	0.173054	0.00017	0.094079	0.04214	0.363467	4.95E-16
1.51E-30	0.341413	3.26E-14	0.202293	1.06E-05	0.13943	0.00253	0.394215	8.19E-19
4.96E-22	0.108985	0.01848	0.112603	0.01491	0.142927	0.00196	0.264442	6.52E-09
2.19E-23	0.175429	0.00014	0.269167	3.41E-09	0.178613	0.0001	0.362736	5.72E-16
3.37E-18	0.261271	9.99E-09	0.234315	3.03E-07	0.215067	2.73E-06	0.42323	1.02E-21
5.25E-31	-0.04745	0.3062	-0.10374	0.02497	-0.03568	0.44177	-0.07729	0.09527
3.43E-10	0.017464	0.7066	0.223048	1.12E-06	0.307125	1.17E-11	0.356054	2.10E-15
1.70E-21	0.206539	6.80E-06	0.300338	3.44E-11	0.273742	1.80E-09	0.405887	6.00E-20
9.39E-24	0.108791	0.01869	0.087379	0.05918	0.06417	0.16623	0.205326	7.71E-06
5.10E-27	0.153074	0.0009	0.122739	0.00792	0.062006	0.18101	0.271444	2.48E-09
1.06E-41	0.218993	1.77E-06	0.067365	0.14608	0.044798	0.33405	0.318096	1.93E-12
3.82E-05	0.039562	0.39367	0.061067	0.18772	0.060532	0.19162	0.20226	1.06E-05
2.75E-20	0.278684	8.89E-10	0.206905	6.54E-06	0.212591	3.57E-06	0.426686	4.38E-22
4.22E-12	-0.27579	1.35E-09	-0.27743	1.06E-09	-0.20627	6.99E-06	-0.46065	6.58E-26
3.53E-06	0.105639	0.02242	0.208521	5.52E-06	0.195571	2.08E-05	0.279791	7.58E-10
0.15917	0.198111	1.61E-05	0.379588	1.88E-17	0.266001	5.27E-09	0.34926	7.64E-15
5.57E-09	-0.20959	4.93E-06	-0.26313	7.78E-09	-0.20896	5.27E-06	-0.41103	1.83E-20
1.07E-07	0.214567	2.88E-06	0.475441	1.03E-27	0.374581	5.29E-17	0.518892	1.50E-33
7.92E-15	0.01573	0.73457	0.112091	0.01537	0.01609	0.72874	0.023213	0.61682
6.02E-05	0.128183	0.00554	0.288613	2.07E-10	0.211032	4.22E-06	0.261599	9.56E-09
2.18E-12	0.166226	0.00031	0.075147	0.10483	0.05337	0.2497	0.204892	8.07E-06
9.94E-13	0.113773	0.01389	0.28704	2.62E-10	0.278955	8.55E-10	0.353729	3.28E-15
1.16E-12	0.065738	0.15609	0.260083	1.17E-08	0.224751	9.26E-07	0.294743	8.18E-11
0.02129	0.090934	0.04954	0.402788	1.21E-19	0.184148	6.25E-05	0.266172	5.15E-09
1.60E-14	0.108788	0.01869	-0.01645	0.72298	-0.00172	0.97051	0.134154	0.00368

1.21E-05	0.29352	9.86E-11	0.116991	0.0114	0.336918	7.37E-14	0.483785	9.06E-29
1.74E-06	0.203137	9.68E-06	0.410683	1.99E-20	0.328055	3.53E-13	0.501343	4.32E-31
1.51E-11	0.077821	0.093	0.492288	7.07E-30	0.262357	8.64E-09	0.341385	3.28E-14
3.36E-06	0.104424	0.02402	0.32268	8.90E-13	0.16762	0.00027	0.304939	1.66E-11
1.33E-16	-0.07418	0.10938	0.031189	0.50136	-0.08366	0.07089	-0.07187	0.12092
0.00213	0.259815	1.21E-08	0.418402	3.24E-21	0.485231	5.90E-29	0.647759	6.66E-57
0.00694	0.178775	0.0001	0.314964	3.25E-12	0.380874	1.43E-17	0.451269	8.27E-25
2.49E-09	-0.02563	0.58062	-0.00399	0.93151	0.119972	0.00946	0.022735	0.6241
4.30E-05	0.135869	0.00326	0.043434	0.349	-0.01892	0.6834	0.146748	0.00147
0.00259	0.268927	3.52E-09	0.107919	0.01966	0.325819	5.20E-13	0.427073	3.98E-22
7.47E-08	0.155475	0.00075	0.268089	3.96E-09	0.178586	0.0001	0.287051	2.61E-10
1.48E-10	-0.03962	0.39294	0.249357	4.74E-08	0.012788	0.78284	0.038528	0.40616
2.58E-13	0.267413	4.34E-09	0.19907	1.47E-05	0.356595	1.89E-15	0.46524	1.85E-26
0.01765	0.164319	0.00036	0.181942	7.68E-05	0.246256	7.02E-08	0.346454	1.29E-14
3.76E-26	0.16426	0.00036	0.264123	6.80E-09	0.224461	9.57E-07	0.352933	3.81E-15
7.67E-14	0.041187	0.37451	0.157456	0.00064	0.000614	0.98944	0.148531	0.00129
3.04E-15	0.0682	0.14114	0.099759	0.03113	0.052037	0.26175	0.144683	0.00172
2.61E-20	0.040033	0.38806	-0.01034	0.82371	-0.10645	0.02141	-0.03513	0.44889
3.86E-08	0.0606	0.19112	0.020912	0.65218	0.04957	0.28507	0.105208	0.02298
4.52E-12	-0.06501	0.16073	0.209979	4.72E-06	0.28858	2.08E-10	0.296487	6.25E-11
3.48E-06	0.128996	0.00524	0.191595	3.07E-05	0.329514	2.74E-13	0.34597	1.41E-14
6.67E-11	0.181048	8.34E-05	0.398668	3.06E-19	0.389878	2.11E-18	0.519678	1.16E-33
0.0003	-0.18219	7.50E-05	-0.07328	0.11375	-0.14646	0.00151	-0.25171	3.51E-08
4.63E-07	0.033262	0.47333	0.138849	0.00264	0.256864	1.79E-08	0.331918	1.79E-13
1.37E-09	0.268836	3.57E-09	0.403766	9.72E-20	0.416464	5.13E-21	0.576514	1.02E-42
1.21E-08	-0.21951	1.67E-06	-0.00049	0.9915	-0.13755	0.0029	-0.30633	1.33E-11
6.31E-13	-0.13011	0.00486	0.01521	0.74303	-0.05061	0.27509	-0.18824	4.25E-05
1.17E-10	-0.15883	0.00057	-0.12182	0.0084	-0.18314	6.87E-05	-0.2948	8.11E-11
1.01E-13	0.105323	0.02283	0.197232	1.76E-05	0.185551	5.48E-05	0.274396	1.64E-09
1.07E-10	-0.26353	7.37E-09	-0.29112	1.42E-10	-0.16505	0.00034	-0.36414	4.33E-16
0.00239	0.365125	3.57E-16	0.068052	0.142	0.074297	0.10883	0.367119	2.40E-16
9.89E-12	-0.1823	7.43E-05	-0.12864	0.00537	0.011756	0.79997	-0.21909	1.75E-06
3.15E-09	0.211431	4.05E-06	0.278206	9.53E-10	0.233429	3.37E-07	0.432326	1.09E-22
2.42E-24	-0.00166	0.97145	0.117992	0.01071	-0.00023	0.99605	0.040629	0.38102
7.86E-07	0.08121	0.07958	0.213779	3.14E-06	0.215426	2.62E-06	0.305451	1.53E-11
3.77E-24	0.046665	0.31428	0.124427	0.0071	0.120543	0.00912	0.150376	0.00112
0.08459	0.099134	0.03221	0.300873	3.16E-11	0.238647	1.80E-07	0.350144	6.47E-15
9.95E-15	0.286885	2.68E-10	0.287111	2.59E-10	0.219257	1.72E-06	0.285819	3.14E-10
1.73E-17	0.068311	0.14049	0.045947	0.32179	-0.08887	0.05497	0.044883	0.33313
6.79E-16	-0.17364	0.00016	-0.20497	8.00E-06	-0.28459	3.76E-10	-0.41144	1.67E-20
6.63E-27	-0.13514	0.00343	-0.17294	0.00017	-0.19098	3.26E-05	-0.27699	1.13E-09
1.00E-09	0.254402	2.48E-08	-0.0802	0.0834	0.069073	0.1361	0.270005	3.03E-09
4.03E-19	0.049586	0.28491	-0.03247	0.48393	0.009552	0.8369	0.007019	0.87976
9.12E-10	0.170019	0.00022	0.230147	4.96E-07	0.178793	0.0001	0.296754	6.00E-11
2.04E-12	0.110441	0.01696	0.241895	1.21E-07	0.21531	2.66E-06	0.315832	2.82E-12

1.37E-23	-0.06836	0.14019	-0.08704	0.06018	-0.13414	0.00368	-0.19877	1.51E-05
0.00095	-0.06672	0.14999	-0.27886	8.67E-10	-0.18404	6.32E-05	-0.19777	1.67E-05
7.92E-32	0.153947	0.00084	0.313882	3.89E-12	0.352544	4.11E-15	0.48554	5.38E-29
7.40E-10	-0.03427	0.46008	-0.23144	4.26E-07	-0.17361	0.00016	-0.19727	1.76E-05
4.59E-29	0.275179	1.47E-09	0.342522	2.67E-14	0.421062	1.71E-21	0.560769	4.95E-40
5.43E-28	-0.0378	0.41515	0.0765	0.0987	-0.02889	0.53349	-0.02727	0.5566
3.63E-10	0.207903	5.89E-06	0.292434	1.16E-10	0.1897	3.69E-05	0.357769	1.51E-15
3.02E-14	0.179558	9.55E-05	0.227067	7.10E-07	0.108682	0.01881	0.26157	9.60E-09
2.32E-18	0.035472	0.44443	0.024419	0.59863	-0.08275	0.07401	0.012833	0.78209
3.22E-18	0.178764	0.0001	0.220025	1.58E-06	0.140922	0.00227	0.297863	5.05E-11
8.06E-06	-0.06398	0.1675	0.213832	3.12E-06	0.198238	1.59E-05	0.179307	9.78E-05
8.31E-11	0.15203	0.00098	0.112041	0.01542	0.144025	0.00181	0.284587	3.76E-10
3.31E-29	0.054936	0.23606	0.043027	0.35353	-0.02618	0.5725	0.106304	0.02158
5.80E-13	0.01948	0.67457	0.222541	1.19E-06	0.008447	0.85553	0.163592	0.00039
2.27E-33	-0.00812	0.86108	0.138139	0.00278	-0.0483	0.29765	-0.00192	0.96693
2.85E-23	0.115272	0.01268	0.152563	0.00094	0.005439	0.90669	0.184468	6.07E-05
1.91E-08	0.048482	0.29579	0.047011	0.3107	-0.00834	0.85742	0.087023	0.06023
1.72E-18	0.276295	1.25E-09	0.267238	4.45E-09	0.275789	1.35E-09	0.444121	5.40E-24
2.85E-11	-0.0364	0.43257	0.114251	0.01349	0.003887	0.93323	0.030885	0.50554
1.28E-07	0.179918	9.25E-05	0.299749	3.77E-11	0.289323	1.86E-10	0.405922	5.95E-20
7.78E-14	0.189009	3.95E-05	0.377618	2.83E-17	0.485912	4.82E-29	0.633449	9.40E-54
1.13E-07	0.011364	0.80651	0.105725	0.02231	0.01855	0.68929	0.099613	0.03138
4.72E-27	0.127617	0.00575	0.19571	2.05E-05	-0.0099	0.8311	0.202451	1.04E-05
6.70E-14	0.212025	3.80E-06	0.225391	8.60E-07	0.206109	7.11E-06	0.449081	1.48E-24
9.80E-10	0.216386	2.36E-06	0.328539	3.24E-13	0.268865	3.55E-09	0.476037	8.71E-28
0.07617	0.240036	1.52E-07	0.255662	2.10E-08	0.390808	1.72E-18	0.469374	5.82E-27
1.18E-13	0.063986	0.16744	0.196075	1.98E-05	0.050903	0.2723	0.193936	2.44E-05
6.58E-20	0.222201	1.24E-06	0.063119	0.17328	0.085153	0.06598	0.26608	5.21E-09
7.95E-31	0.152932	0.00091	0.202049	1.08E-05	0.166421	0.0003	0.348751	8.40E-15
5.14E-39	0.111012	0.0164	0.130065	0.00488	0.039301	0.3968	0.209026	5.23E-06
1.35E-19	0.104188	0.02435	0.095032	0.04009	0.05433	0.24127	0.229781	5.18E-07
3.06E-11	0.073914	0.11067	0.247783	5.79E-08	0.142637	0.002	0.250688	4.00E-08
5.66E-17	0.135276	0.0034	0.45227	6.34E-25	0.574739	2.09E-42	0.61552	4.93E-50
4.71E-14	0.190034	3.57E-05	0.401746	1.53E-19	0.452497	5.96E-25	0.57605	1.23E-42
1.10E-35	0.150367	0.00112	0.134857	0.0035	0.157118	0.00066	0.311921	5.37E-12
1.22E-13	0.115567	0.01245	0.212226	3.71E-06	0.201654	1.13E-05	0.348757	8.39E-15
2.31E-05	-0.00842	0.85601	-0.01907	0.68112	-0.0862	0.0627	-0.15763	0.00063
0.00105	0.05315	0.25166	0.336906	7.38E-14	0.327333	4.00E-13	0.358438	1.32E-15
3.59E-17	0.298545	4.55E-11	0.386849	4.04E-18	0.316445	2.54E-12	0.556419	2.58E-39
7.67E-11	0.054463	0.24013	0.195066	2.19E-05	0.092589	0.04552	0.212306	3.68E-06
1.50E-21	0.210406	4.51E-06	0.169913	0.00023	0.136275	0.00317	0.32738	3.97E-13
1.85E-16	0.17417	0.00016	0.276951	1.14E-09	0.282036	5.47E-10	0.451859	7.07E-25
2.13E-06	0.248008	5.63E-08	0.243351	1.01E-07	0.127615	0.00575	0.326497	4.62E-13
1.47E-13	0.089325	0.05373	0.150204	0.00113	0.095493	0.03913	0.200186	1.31E-05
1.11E-12	0.114717	0.01312	0.170112	0.00022	0.185274	5.63E-05	0.266447	4.96E-09

1.57E-17	0.148995	0.00124	0.254281	2.52E-08	0.136009	0.00323	0.359363	1.11E-15
6.30E-20	0.296675	6.08E-11	0.181923	7.69E-05	0.094501	0.04122	0.3482	9.31E-15
2.61E-13	0.217855	2.01E-06	0.392167	1.28E-18	0.317309	2.20E-12	0.453701	4.32E-25
5.24E-09	0.091281	0.04868	0.186855	4.85E-05	0.224771	9.24E-07	0.231821	4.07E-07
2.85E-26	0.073288	0.11373	0.12836	0.00547	-0.02027	0.66222	0.149383	0.0012
2.46E-06	0.248408	5.35E-08	0.298765	4.39E-11	0.346728	1.23E-14	0.508428	4.57E-32
3.69E-29	0.026409	0.56918	-0.02401	0.60479	-0.15935	0.00055	0.007276	0.87538
3.66E-06	0.084724	0.06736	0.259919	1.20E-08	0.137426	0.00292	0.300916	3.14E-11
1.99E-07	0.110325	0.01708	0.052648	0.25618	-0.00943	0.83895	0.175931	0.00013
9.01E-23	0.201041	1.20E-05	0.201044	1.20E-05	0.147716	0.00137	0.350213	6.38E-15
5.77E-14	0.116923	0.01145	0.477803	5.22E-28	0.347804	1.00E-14	0.441874	9.65E-24
1.24E-11	0.075805	0.10181	-0.05989	0.19636	-0.03579	0.44033	0.088171	0.05691
5.90E-15	0.216567	2.32E-06	0.234446	2.98E-07	0.228412	6.07E-07	0.422891	1.10E-21
0.71991	0.115228	0.01271	0.121055	0.00883	0.196718	1.86E-05	0.240887	1.37E-07
9.45E-12	0.075907	0.10135	0.002603	0.95526	-0.13229	0.00419	0.006802	0.88344
2.21E-15	-0.01798	0.69834	-0.03627	0.43423	-0.23757	2.05E-07	-0.12457	0.00703
2.74E-05	-0.04342	0.34911	0.1837	6.52E-05	0.151179	0.00105	0.118911	0.01011
1.37E-15	-0.11088	0.01652	0.047269	0.30805	-0.07527	0.10427	-0.12765	0.00574
1.87E-12	0.158904	0.00057	0.157016	0.00066	0.116545	0.01172	0.304067	1.91E-11
2.29E-07	-0.19964	1.38E-05	-0.18227	7.45E-05	-0.22628	7.77E-07	-0.40862	3.20E-20
1.77E-11	-0.17318	0.00017	-0.21288	3.46E-06	-0.16941	0.00024	-0.34759	1.04E-14
0.03172	0.099488	0.03159	0.137509	0.0029	0.104656	0.02371	0.159522	0.00054
5.51E-05	0.040653	0.38074	0.265494	5.65E-09	0.32224	9.59E-13	0.42305	1.06E-21
5.90E-22	0.075574	0.10286	0.135343	0.00338	0.051192	0.26958	0.131496	0.00442
2.57E-19	0.180735	8.58E-05	0.102259	0.02712	0.078135	0.09169	0.247364	6.11E-08
3.19E-21	0.059792	0.19711	0.142662	0.002	0.031603	0.49569	0.13831	0.00274
1.44E-16	0.094799	0.04058	0.208008	5.82E-06	0.126549	0.00617	0.253666	2.72E-08
3.31E-20	0.025548	0.58184	0.126489	0.0062	0.01934	0.67677	0.102353	0.02698
0.00057	-0.10063	0.02967	-0.06445	0.16441	-0.02525	0.58627	-0.13483	0.00351
2.11E-13	0.000571	0.99019	-0.09683	0.03646	-0.07025	0.12956	-0.11888	0.01013
1.55E-14	0.182695	7.16E-05	0.238925	1.74E-07	0.259823	1.21E-08	0.42717	3.89E-22
3.57E-30	0.116325	0.01188	0.171543	0.0002	0.064201	0.16602	0.221138	1.39E-06
4.85E-23	-0.03405	0.46285	0.128065	0.00558	0.03699	0.42516	0.057441	0.21534
4.40E-11	-0.14939	0.0012	-0.27283	2.04E-09	-0.2742	1.69E-09	-0.32692	4.29E-13
0.00047	0.178062	0.00011	0.336723	7.63E-14	0.222014	1.26E-06	0.346824	1.20E-14
2.34E-06	0.080975	0.08045	0.144016	0.00181	0.113938	0.01375	0.255556	2.13E-08
7.13E-13	0.100656	0.02964	0.032022	0.49	0.070335	0.12907	0.205148	7.86E-06
0.01294	0.00481	0.91744	0.313807	3.94E-12	0.302118	2.60E-11	0.268228	3.88E-09
5.01E-12	0.011079	0.81127	-0.06041	0.19254	-0.09873	0.03291	-0.09101	0.04935
0.00014	-0.12793	0.00563	-0.1868	4.87E-05	-0.21593	2.49E-06	-0.28402	4.09E-10
1.27E-22	0.194652	2.28E-05	0.242535	1.12E-07	0.361934	6.70E-16	0.420134	2.14E-21
6.98E-15	0.055602	0.23042	0.172515	0.00018	0.137001	0.00301	0.249866	4.44E-08
1.45E-16	0.075767	0.10199	0.345462	1.55E-14	0.243239	1.02E-07	0.312587	4.82E-12
1.96E-10	0.181523	7.98E-05	0.212375	3.66E-06	0.137688	0.00287	0.341843	3.02E-14
2.85E-22	0.253071	2.94E-08	0.277728	1.02E-09	0.326485	4.63E-13	0.526762	1.06E-34

2.61E-09	0.052749	0.25526	-0.05058	0.27533	-0.15227	0.00096	-0.01968	0.67138
5.91E-09	0.161674	0.00045	0.203838	9.00E-06	0.273499	1.86E-09	0.437204	3.18E-23
5.27E-30	0.106953	0.02079	0.288638	2.06E-10	0.147006	0.00144	0.289597	1.79E-10
1.24E-05	0.160366	0.0005	0.218434	1.88E-06	0.353184	3.64E-15	0.352908	3.83E-15
0.0016	0.068327	0.14039	0.124604	0.00702	0.195691	2.05E-05	0.26606	5.23E-09
5.06E-05	0.226768	7.34E-07	0.132835	0.00403	0.166491	0.0003	0.3382	5.85E-14
1.28E-27	0.119798	0.00956	0.097267	0.03561	0.079595	0.08576	0.224104	9.97E-07
9.61E-29	0.097122	0.03589	0.074999	0.10551	9.43E-05	0.99838	0.185538	5.49E-05
1.38E-19	0.119787	0.00957	0.2024	1.04E-05	0.169162	0.00024	0.274873	1.53E-09
1.43E-13	0.212985	3.42E-06	0.105629	0.02243	0.272014	2.29E-09	0.431171	1.45E-22
2.66E-29	0.133341	0.00389	0.21142	4.05E-06	0.149411	0.0012	0.335988	8.70E-14
3.88E-15	0.127163	0.00593	0.170539	0.00021	0.09175	0.04752	0.230728	4.63E-07
3.57E-06	0.262133	8.90E-09	0.239252	1.67E-07	0.289186	1.90E-10	0.366855	2.53E-16
2.79E-16	0.192535	2.80E-05	0.246121	7.14E-08	0.261441	9.77E-09	0.380914	1.42E-17
2.45E-15	-0.064	0.16738	-0.10675	0.02104	-0.15731	0.00065	-0.17082	0.00021
1.85E-27	0.164865	0.00035	0.27127	2.54E-09	0.217377	2.12E-06	0.39448	7.72E-19
1.41E-21	0.097484	0.0352	0.219134	1.74E-06	0.024864	0.59199	0.154498	0.00081
0.01149	0.141472	0.00218	0.367586	2.18E-16	0.326392	4.71E-13	0.457388	1.60E-25
0.0204	0.242554	1.11E-07	-0.03675	0.42814	0.086371	0.06218	0.21184	3.87E-06
0.00018	0.001609	0.97233	0.041736	0.36817	-0.0394	0.39556	0.061756	0.18278
5.66E-06	0.08054	0.0821	0.405448	6.63E-20	0.153611	0.00087	0.286	3.06E-10
8.23E-11	0.098414	0.03349	0.051948	0.26256	0.110552	0.01685	0.20927	5.09E-06
0.04895	0.024747	0.59373	-0.04785	0.30209	0.105887	0.02211	0.125385	0.00667
4.65E-13	0.205754	7.38E-06	0.325096	5.88E-13	0.256428	1.90E-08	0.482205	1.44E-28
1.51E-18	-0.17427	0.00015	-0.30426	1.85E-11	-0.34346	2.25E-14	-0.43115	1.45E-22
7.81E-32	0.047135	0.30943	0.264102	6.82E-09	0.120282	0.00927	0.207418	6.20E-06
4.82E-17	0.154904	0.00078	0.413598	1.01E-20	0.288978	1.96E-10	0.446108	3.22E-24
3.75E-11	0.268745	3.61E-09	0.086658	0.06132	0.134054	0.0037	0.36224	6.31E-16
5.73E-23	-0.11675	0.01157	-0.16216	0.00043	-0.23676	2.26E-07	-0.23754	2.06E-07
1.69E-27	0.153697	0.00086	0.053489	0.24865	0.073642	0.11199	0.21059	4.43E-06
0.00032	0.057422	0.21549	-0.0389	0.40169	-0.07744	0.09461	0.046064	0.32056
2.70E-12	0.148665	0.00127	0.275666	1.37E-09	0.271097	2.61E-09	0.319381	1.56E-12
8.00E-08	0.057003	0.21887	0.049567	0.28509	0.137741	0.00286	0.240058	1.51E-07
1.86E-15	0.322062	9.89E-13	-0.02309	0.61864	0.169758	0.00023	0.373319	6.85E-17
1.51E-10	0.300966	3.11E-11	0.251655	3.53E-08	0.404713	7.84E-20	0.595316	4.05E-46
9.78E-12	-0.02611	0.57351	0.027189	0.55781	-0.09973	0.03117	-0.03423	0.46057
7.67E-06	0.060058	0.19513	0.156717	0.00068	0.238654	1.80E-07	0.326331	4.76E-13
3.10E-16	0.191943	2.97E-05	0.171165	0.0002	0.123512	0.00754	0.304128	1.89E-11
1.30E-22	-0.29319	1.04E-10	-0.18251	7.28E-05	-0.32387	7.27E-13	-0.4764	7.84E-28
4.81E-16	0.15792	0.00061	0.186988	4.78E-05	0.197344	1.74E-05	0.362652	5.82E-16
5.92E-27	0.165843	0.00032	-0.08907	0.05443	0.07314	0.11446	0.044515	0.33711
1.35E-06	0.070384	0.12881	0.443466	6.40E-24	0.401931	1.47E-19	0.455594	2.60E-25
1.44E-23	-0.17361	0.00016	-0.27277	2.06E-09	-0.28819	2.21E-10	-0.33842	5.62E-14
3.46E-36	0.102437	0.02686	-0.01403	0.76243	-0.04234	0.36131	0.133708	0.00379
2.58E-15	0.102247	0.02714	0.104644	0.02373	0.158772	0.00057	0.269141	3.42E-09

6.21E-25	0.228566	5.96E-07	0.143791	0.00184	0.154453	0.00081	0.413359	1.07E-20
5.78E-11	-0.07743	0.09465	0.063077	0.17358	0.023664	0.60999	0.010937	0.81364
2.25E-12	-0.01817	0.69539	-0.14325	0.00191	-0.12771	0.00571	-0.20421	8.66E-06
0.00187	0.204075	8.78E-06	0.015019	0.74616	0.04367	0.34638	0.146148	0.00154
6.74E-18	-0.18163	7.90E-05	-0.31242	4.95E-12	-0.2837	4.29E-10	-0.3707	1.17E-16
1.74E-15	-0.08587	0.06374	-0.10621	0.0217	-0.06886	0.13732	-0.20233	1.05E-05
7.29E-11	0.319797	1.45E-12	0.218703	1.83E-06	0.360059	9.67E-16	0.577114	8.04E-43
5.60E-08	0.004104	0.92952	0.176781	0.00012	0.124365	0.00713	0.161353	0.00046
2.67E-10	0.083504	0.07141	0.176805	0.00012	0.045298	0.32868	0.167137	0.00029
0.24617	0.105212	0.02297	0.415065	7.14E-21	0.253996	2.61E-08	0.364607	3.95E-16
2.49E-07	-0.09357	0.04328	-0.11243	0.01506	-0.15454	0.00081	-0.30144	2.89E-11
3.64E-06	-0.07981	0.08493	-0.06285	0.17515	-0.02734	0.55569	-0.10587	0.02213
5.37E-10	0.0075	0.87159	0.082903	0.07348	0.039626	0.3929	0.088392	0.05629
1.71E-33	0.084968	0.06657	0.135353	0.00338	0.087055	0.06013	0.221336	1.36E-06
9.21E-09	0.293112	1.05E-10	0.325669	5.33E-13	0.270971	2.65E-09	0.483905	8.75E-29
1.71E-16	-0.186	5.25E-05	-0.18618	5.16E-05	-0.29708	5.71E-11	-0.40042	2.07E-19
6.10E-15	0.058311	0.20846	0.106812	0.02096	0.094699	0.0408	0.17744	0.00012
1.67E-05	0.172218	0.00018	0.151943	0.00099	0.249179	4.85E-08	0.385518	5.37E-18
6.70E-07	-0.06794	0.14269	0.103684	0.02505	-0.07668	0.09793	-0.0025	0.95709
1.60E-13	0.028194	0.54334	0.27268	2.09E-09	0.208965	5.26E-06	0.282905	4.82E-10
3.06E-14	-0.20385	8.99E-06	-0.04283	0.35571	-0.1316	0.00439	-0.30662	1.27E-11
7.11E-13	0.12985	0.00495	0.233105	3.50E-07	0.139603	0.0025	0.268313	3.84E-09
2.72E-27	0.216515	2.33E-06	0.21771	2.04E-06	0.275651	1.37E-09	0.403306	1.08E-19
7.98E-07	-0.01887	0.68417	-0.23421	3.07E-07	-0.27453	1.61E-09	-0.18743	4.59E-05
3.89E-05	0.17173	0.00019	0.167537	0.00028	0.116085	0.01206	0.314322	3.62E-12
1.18E-15	-0.20311	9.70E-06	-0.27849	9.15E-10	-0.25751	1.65E-08	-0.44977	1.23E-24
1.20E-13	0.020084	0.66509	0.104731	0.02361	0.101967	0.02757	0.12666	0.00613
1.05E-17	0.04384	0.34451	0.145237	0.00165	0.033696	0.46757	0.164619	0.00035
1.26E-17	-0.07803	0.09211	-0.23202	3.98E-07	-0.12125	0.00872	-0.16829	0.00026
0.00013	0.136934	0.00302	0.366129	2.92E-16	0.301304	2.95E-11	0.444451	4.96E-24
1.35E-17	-0.26527	5.82E-09	-0.20444	8.45E-06	-0.28438	3.88E-10	-0.49324	5.29E-30
1.52E-08	-0.24117	1.32E-07	-0.32041	1.31E-12	-0.29297	1.07E-10	-0.45294	5.30E-25
4.47E-24	0.16905	0.00024	0.27914	8.33E-10	0.197099	1.79E-05	0.350879	5.63E-15
1.69E-09	0.023348	0.61477	0.404998	7.35E-20	0.295087	7.76E-11	0.345801	1.46E-14
1.17E-14	0.134297	0.00364	0.188912	3.98E-05	0.077789	0.09314	0.211414	4.05E-06
9.79E-18	0.068028	0.14214	0.145863	0.00157	0.098657	0.03305	0.225679	8.32E-07
3.44E-19	0.043752	0.34547	0.070083	0.13046	-0.00119	0.97954	0.078571	0.08988
1.94E-21	0.081299	0.07925	0.16665	0.0003	0.084774	0.0672	0.191566	3.08E-05
5.63E-13	0.30512	1.61E-11	0.318917	1.68E-12	0.384773	6.29E-18	0.610671	4.55E-49
1.20E-19	-0.06688	0.14901	-0.13801	0.0028	-0.26003	1.18E-08	-0.25593	2.03E-08
1.09E-27	0.081483	0.07857	0.110481	0.01692	0.011089	0.8111	0.158566	0.00058
5.26E-14	0.050758	0.27367	0.051767	0.26424	-0.01119	0.80936	0.13611	0.00321
0.00527	-0.0158	0.73349	0.203725	9.11E-06	0.115155	0.01277	0.122887	0.00785
1.59E-06	0.140949	0.00227	0.186102	5.20E-05	0.185885	5.31E-05	0.287951	2.29E-10
1.18E-12	0.095157	0.03983	0.036198	0.43516	0.02464	0.59532	0.108297	0.01924

2.47E-22	0.123182	0.0077	0.137412	0.00292	0.063382	0.1715	0.223434	1.08E-06
1.52E-09	0.159053	0.00056	0.120898	0.00892	0.189586	3.73E-05	0.32128	1.13E-12
5.80E-05	-0.05715	0.21771	-0.28051	6.83E-10	-0.23818	1.90E-07	-0.22913	5.59E-07
4.42E-13	0.07628	0.09968	0.05237	0.25871	0.006758	0.88419	0.187451	4.58E-05
1.57E-12	-0.05895	0.20348	-0.12746	0.00581	-0.02669	0.56504	-0.04855	0.29516
4.93E-25	0.147314	0.00141	0.180074	9.11E-05	0.110238	0.01717	0.253782	2.68E-08
4.17E-10	-0.06858	0.13893	0.059779	0.19721	-0.10263	0.02656	-0.06174	0.18288
3.55E-15	-0.24815	5.53E-08	-0.25093	3.88E-08	-0.32908	2.95E-13	-0.50448	1.61E-31
1.99E-14	0.252708	3.09E-08	0.181676	7.87E-05	0.185885	5.31E-05	0.359172	1.15E-15
5.92E-28	0.185588	5.46E-05	0.262019	9.04E-09	0.19752	1.71E-05	0.402607	1.26E-19
3.53E-31	-0.24821	5.48E-08	-0.21805	1.97E-06	-0.1541	0.00083	-0.37436	5.53E-17
1.16E-05	0.246727	6.62E-08	0.313041	4.47E-12	0.270764	2.73E-09	0.524417	2.36E-34
8.45E-25	-0.06386	0.16827	-0.14774	0.00137	-0.04591	0.32221	-0.09945	0.03166
9.31E-14	-0.11394	0.01375	-0.19369	2.51E-05	-0.10965	0.01777	-0.26668	4.80E-09
7.56E-25	0.294651	8.30E-11	0.325604	5.39E-13	0.426535	4.54E-22	0.609866	6.56E-49
1.12E-16	0.120283	0.00927	0.067808	0.14344	0.036318	0.43363	0.212194	3.73E-06
5.04E-23	0.167559	0.00028	0.061905	0.18172	0.059204	0.20157	0.264308	6.64E-09
2.24E-15	0.141932	0.00211	0.180035	9.15E-05	0.035864	0.4394	0.202988	9.83E-06
1.43E-10	0.216729	2.28E-06	0.202339	1.05E-05	0.264869	6.15E-09	0.451257	8.30E-25
2.13E-11	0.086039	0.0632	0.119641	0.00966	0.071787	0.12134	0.215015	2.75E-06
4.22E-13	0.057338	0.21617	-0.01654	0.7214	0.153027	0.00091	0.121824	0.0084
1.31E-08	0.215637	2.56E-06	0.154652	0.0008	0.144526	0.00174	0.330134	2.45E-13
1.13E-23	-0.1753	0.00014	-0.08218	0.07603	-0.16011	0.00051	-0.30999	7.36E-12
4.69E-05	0.150942	0.00107	0.386047	4.80E-18	0.278229	9.50E-10	0.473175	1.98E-27
3.44E-06	-0.11754	0.01102	-0.33613	8.48E-14	-0.26681	4.72E-09	-0.4209	1.78E-21
8.12E-10	0.022015	0.63512	0.174345	0.00015	0.114999	0.01289	0.143207	0.00192
3.34E-30	-0.01778	0.70159	0.072041	0.12003	-0.09202	0.04687	-0.01882	0.68499
3.96E-16	-0.06867	0.13842	-0.04373	0.34568	0.027598	0.5519	-0.07101	0.12544
4.51E-13	-0.25301	2.97E-08	-0.21507	2.73E-06	-0.26794	4.04E-09	-0.44875	1.61E-24
9.42E-18	0.017547	0.70527	0.033512	0.47001	-0.07487	0.1061	0.006014	0.89687
8.84E-14	0.11415	0.01358	0.121428	0.00862	0.071659	0.12201	0.247069	6.34E-08
3.04E-23	0.09097	0.04945	0.159255	0.00055	-0.005	0.91421	0.127977	0.00561
1.95E-08	0.184753	5.91E-05	0.303007	2.26E-11	0.437037	3.32E-23	0.557182	1.93E-39
8.15E-17	0.106431	0.02143	0.33889	5.16E-14	0.283206	4.61E-10	0.357352	1.63E-15
4.02E-29	0.11488	0.01299	0.107681	0.01994	0.119833	0.00954	0.248372	5.38E-08
2.21E-24	0.096103	0.03789	0.152604	0.00094	0.089515	0.05322	0.218293	1.91E-06
3.16E-11	-0.16048	0.0005	-0.00421	0.92779	-0.09719	0.03577	-0.20885	5.33E-06
7.70E-10	0.015152	0.74399	0.138065	0.00279	0.117431	0.01109	0.14176	0.00214
2.30E-06	-0.09192	0.04711	-0.22315	1.11E-06	-0.1557	0.00073	-0.2224	1.21E-06
6.64E-35	0.050848	0.27282	0.149431	0.0012	0.021495	0.64314	0.17425	0.00015
1.14E-15	0.091381	0.04843	0.147476	0.00139	0.047176	0.309	0.163825	0.00038
2.68E-27	0.159832	0.00053	0.177712	0.00011	0.126158	0.00634	0.306268	1.34E-11
1.28E-05	0.218602	1.85E-06	0.189767	3.67E-05	0.236195	2.42E-07	0.397844	3.67E-19
1.56E-26	-0.26216	8.87E-09	-0.28855	2.09E-10	-0.35889	1.21E-15	-0.50929	3.47E-32
3.57E-23	0.009019	0.84588	-0.07995	0.08438	0.010378	0.82301	-0.00106	0.98184

4.76E-11	0.081673	0.07787	-0.19277	2.74E-05	-0.10641	0.02145	-0.09632	0.03746
2.81E-22	0.140876	0.00228	0.236329	2.38E-07	0.213863	3.11E-06	0.355503	2.33E-15
1.11E-05	0.161376	0.00046	-0.0059	0.89879	0.011422	0.80555	0.13868	0.00267
9.63E-29	0.140644	0.00232	0.042693	0.35728	0.101914	0.02765	0.175844	0.00013
4.94E-19	0.089789	0.05249	0.161208	0.00047	0.215569	2.58E-06	0.377486	2.90E-17
2.67E-16	0.024728	0.59402	0.109135	0.01832	-0.00858	0.85333	0.035404	0.4453
1.05E-18	0.079732	0.08523	0.046248	0.31862	0.033317	0.47259	0.156119	0.00071
7.11E-06	0.085323	0.06544	0.083157	0.0726	0.116611	0.01167	0.177761	0.00011
6.15E-15	0.16679	0.00029	0.090116	0.05163	-0.07447	0.10801	0.101072	0.02897
1.80E-10	0.120538	0.00912	0.205679	7.44E-06	0.195759	2.04E-05	0.330856	2.16E-13
1.06E-27	0.119201	0.00993	0.125747	0.00651	-0.03513	0.44883	0.177278	0.00012
3.77E-12	0.015426	0.73952	0.109555	0.01787	0.141292	0.00221	0.207622	6.06E-06
6.51E-14	0.113397	0.01421	0.153255	0.00089	0.126205	0.00632	0.247451	6.04E-08
5.60E-08	0.018253	0.69401	0.05549	0.23136	-0.01977	0.66996	0.022891	0.62172
3.10E-20	0.153499	0.00087	0.38958	2.25E-18	0.388086	3.10E-18	0.454791	3.23E-25
1.87E-08	0.139628	0.00249	0.045587	0.32561	0.111058	0.01635	0.288535	2.09E-10
6.36E-15	-0.00142	0.97555	-0.03807	0.41177	-0.08007	0.0839	-0.04961	0.28471
0.00796	0.229208	5.54E-07	0.274691	1.57E-09	0.411533	1.63E-20	0.508105	5.07E-32
0.01148	-0.13069	0.00467	-0.1653	0.00033	-0.32231	9.47E-13	-0.37069	1.17E-16
8.72E-38	0.097261	0.03563	0.101698	0.02798	0.032076	0.48926	0.148949	0.00125
3.76E-12	0.044724	0.33485	-0.02168	0.64029	0.0269	0.562	0.03447	0.4574
3.80E-18	-0.03257	0.48262	0.045891	0.32238	-0.05984	0.19675	-0.04526	0.32909
1.02E-41	0.056182	0.22559	0.164111	0.00037	0.121888	0.00837	0.226393	7.67E-07
7.30E-29	0.108594	0.01891	0.198501	1.55E-05	0.200349	1.29E-05	0.228776	5.82E-07
8.65E-26	0.120769	0.00899	0.123024	0.00778	0.161462	0.00046	0.264057	6.87E-09
6.41E-07	-0.10628	0.02161	-0.16784	0.00027	-0.10389	0.02476	-0.15739	0.00064
2.10E-11	0.06581	0.15564	0.189768	3.67E-05	0.193419	2.57E-05	0.284253	3.96E-10
1.22E-14	0.147869	0.00135	0.193872	2.46E-05	0.090066	0.05177	0.219397	1.69E-06
1.56E-14	0.065205	0.15948	0.056841	0.22018	0.003974	0.93174	0.121089	0.00881
1.94E-24	0.095768	0.03857	0.060666	0.19064	0.007235	0.87609	0.130659	0.00468
3.25E-08	-0.01791	0.69955	0.143668	0.00185	0.111322	0.0161	0.119401	0.00981
8.76E-13	0.008634	0.85237	-0.05148	0.26691	-0.14262	0.002	0.002225	0.96176
4.75E-06	0.283063	4.71E-10	0.168537	0.00025	0.267774	4.13E-09	0.458438	1.20E-25
1.12E-07	0.155145	0.00077	0.293904	9.30E-11	0.224212	9.84E-07	0.34043	3.90E-14
1.11E-11	0.086466	0.0619	0.308779	8.96E-12	0.195795	2.03E-05	0.30048	3.36E-11
6.66E-20	0.106268	0.02163	0.073548	0.11245	0.0315	0.49709	0.108407	0.01911
5.85E-29	0.099183	0.03212	0.221022	1.41E-06	0.121596	0.00853	0.226264	7.78E-07
1.18E-14	0.062227	0.17946	0.124448	0.00709	0.027452	0.55402	0.167843	0.00027
8.10E-17	0.09128	0.04868	0.053371	0.2497	0.009884	0.8313	0.135108	0.00344
5.62E-11	0.172838	0.00017	0.151574	0.00102	0.1482	0.00132	0.358134	1.41E-15
7.67E-15	0.102657	0.02653	0.09924	0.03202	0.053085	0.25225	0.213141	3.37E-06
4.65E-11	0.181774	7.80E-05	0.255611	2.11E-08	0.278962	8.54E-10	0.393581	9.41E-19
2.10E-09	0.152999	0.00091	0.182376	7.37E-05	0.184725	5.92E-05	0.34626	1.34E-14
1.84E-11	0.139314	0.00255	0.114061	0.01365	0.167953	0.00027	0.291592	1.32E-10
2.21E-22	0.059868	0.19655	0.002323	0.96006	-0.12836	0.00547	0.03272	0.48058



4.23E-16	-0.06621	0.15315	-0.25754	1.64E-08	-0.20514	7.86E-06	-0.23224	3.88E-07
0.00589	0.063614	0.16993	0.02333	0.61505	0.076254	0.09979	0.082952	0.07331
2.83E-21	0.122292	0.00815	0.20588	7.28E-06	0.1267	0.00611	0.298687	4.45E-11
1.36E-15	0.133811	0.00377	0.271328	2.52E-09	0.171316	0.0002	0.321845	1.03E-12
2.69E-09	0.041074	0.37582	0.201538	1.14E-05	0.113165	0.01441	0.219448	1.68E-06
1.38E-15	0.053422	0.24924	0.149358	0.00121	0.094275	0.04171	0.129427	0.00509
4.46E-35	0.105141	0.02307	0.128998	0.00524	0.021799	0.63844	0.191607	3.07E-05
1.47E-39	0.172013	0.00019	0.153091	0.0009	0.20472	8.22E-06	0.314635	3.44E-12
2.06E-09	0.160636	0.00049	0.315294	3.08E-12	0.219029	1.76E-06	0.435211	5.27E-23
2.44E-10	0.173165	0.00017	0.202033	1.08E-05	0.348045	9.59E-15	0.478551	4.20E-28
0.00031	0.136076	0.00321	0.20029	1.29E-05	0.306521	1.29E-11	0.381964	1.14E-17
8.43E-07	0.197104	1.79E-05	0.175273	0.00014	0.156882	0.00067	0.374502	5.37E-17
4.40E-10	-0.02166	0.64066	0.019905	0.6679	-0.03356	0.46937	0.009212	0.84262
3.25E-23	0.15125	0.00104	0.186403	5.06E-05	0.114962	0.01292	0.285365	3.36E-10
9.10E-13	0.136266	0.00317	0.131242	0.0045	-0.04169	0.36875	0.088297	0.05656
1.34E-14	0.088	0.0574	0.244553	8.69E-08	0.129257	0.00515	0.257305	1.69E-08
1.54E-22	0.146917	0.00145	0.11331	0.01429	0.120168	0.00934	0.302023	2.64E-11
0.00165	0.164089	0.00037	0.182403	7.35E-05	0.168174	0.00026	0.345772	1.46E-14
2.45E-13	-0.17361	0.00016	-0.04646	0.31637	-0.13802	0.0028	-0.23677	2.26E-07
6.43E-19	0.154173	0.00083	0.141237	0.00222	0.131442	0.00444	0.322147	9.74E-13
1.27E-12	0.2336	3.30E-07	0.228368	6.10E-07	0.21249	3.61E-06	0.452599	5.80E-25
1.82E-23	0.161261	0.00047	0.174908	0.00015	0.083037	0.07302	0.275847	1.33E-09
3.17E-23	0.127578	0.00576	0.166703	0.0003	0.048593	0.29468	0.214917	2.77E-06
5.57E-25	0.155177	0.00077	0.039247	0.39745	0.033739	0.467	0.232552	3.74E-07
4.55E-20	-0.08417	0.06918	-0.00439	0.92459	-0.07746	0.09455	-0.11792	0.01076
1.95E-11	0.197895	1.65E-05	0.299229	4.09E-11	0.315068	3.20E-12	0.477435	5.81E-28
2.68E-12	0.211565	3.99E-06	0.283444	4.45E-10	0.265314	5.79E-09	0.480659	2.27E-28
1.10E-27	0.28983	1.72E-10	0.258249	1.49E-08	0.31308	4.44E-12	0.484244	7.91E-29
4.58E-07	0.11558	0.01244	0.337526	6.60E-14	0.226403	7.66E-07	0.378789	2.22E-17
7.24E-31	0.334843	1.07E-13	0.193558	2.54E-05	0.282203	5.34E-10	0.487074	3.41E-29
7.96E-10	0.155043	0.00077	0.152563	0.00094	0.17332	0.00017	0.29296	1.07E-10
1.96E-09	0.047805	0.30259	0.070256	0.12951	0.033205	0.47409	0.052354	0.25884
2.80E-13	0.170936	0.00021	0.130392	0.00477	0.143383	0.00189	0.30205	2.63E-11
5.00E-14	-0.03537	0.4458	0.159387	0.00055	0.053511	0.24846	0.031207	0.50111
3.51E-20	0.285251	3.41E-10	0.104905	0.02338	0.241213	1.31E-07	0.40187	1.49E-19
1.07E-23	-0.35224	4.35E-15	-0.26879	3.59E-09	-0.37747	2.91E-17	-0.60997	6.26E-49
9.96E-05	0.041315	0.37303	0.190105	3.55E-05	0.097353	0.03545	0.136876	0.00304
2.26E-43	0.057861	0.212	0.065824	0.15555	-0.01762	0.70415	0.134558	0.00358
3.05E-07	-0.21715	2.17E-06	-0.16842	0.00026	-0.14007	0.00242	-0.34291	2.48E-14
3.39E-13	-0.11929	0.00987	-0.18067	8.63E-05	-0.13717	0.00297	-0.23814	1.91E-07
2.20E-11	0.04207	0.36435	-0.05049	0.27617	-0.05626	0.22495	0.060592	0.19118
3.79E-09	0.171238	0.0002	0.198948	1.48E-05	0.195901	2.01E-05	0.299161	4.13E-11
1.47E-09	0.170606	0.00021	0.25149	3.61E-08	0.18119	8.23E-05	0.355203	2.47E-15
3.79E-07	0.182177	7.51E-05	0.15403	0.00084	0.288235	2.19E-10	0.455026	3.03E-25
1.08E-05	0.201457	1.15E-05	0.08209	0.07636	0.173136	0.00017	0.360356	9.12E-16

0.0039	0.176612	0.00012	0.193081	2.66E-05	0.218102	1.96E-06	0.349145	7.80E-15
6.15E-05	0.238881	1.75E-07	0.270575	2.80E-09	0.244249	9.03E-08	0.430721	1.62E-22
7.93E-06	0.197421	1.73E-05	0.302089	2.61E-11	0.256587	1.86E-08	0.402125	1.41E-19
9.06E-22	0.247752	5.81E-08	0.239163	1.69E-07	0.263709	7.20E-09	0.457107	1.73E-25
1.58E-26	0.125148	0.00677	0.219189	1.73E-06	0.187858	4.40E-05	0.311153	6.09E-12
1.32E-11	0.208543	5.50E-06	0.130712	0.00467	0.2262	7.84E-07	0.402328	1.35E-19
9.72E-14	0.05803	0.21066	0.078813	0.0889	0.038339	0.40846	0.136717	0.00307
1.60E-07	0.112292	0.01519	0.120733	0.00901	0.018987	0.68236	0.19048	3.42E-05
3.20E-07	0.229789	5.17E-07	0.201755	1.12E-05	0.1387	0.00267	0.356175	2.05E-15
1.39E-16	0.207037	6.45E-06	0.246981	6.41E-08	0.176451	0.00013	0.431664	1.28E-22
5.76E-18	0.132867	0.00402	0.263684	7.22E-09	0.282874	4.84E-10	0.351159	5.34E-15
4.66E-23	0.155934	0.00072	0.032693	0.48094	0.025323	0.58516	0.243328	1.01E-07
1.59E-25	-0.01455	0.75388	0.079298	0.08694	-0.08719	0.05974	0.032568	0.48262
7.04E-16	0.090113	0.05164	0.064814	0.16201	-0.0734	0.11319	0.126043	0.00638
8.64E-13	0.219537	1.67E-06	0.252505	3.17E-08	0.24382	9.52E-08	0.389629	2.22E-18
4.26E-23	0.007155	0.87744	0.036821	0.42728	-0.07159	0.12236	0.002108	0.96376
9.04E-17	-0.02612	0.57337	0.010041	0.82867	-0.08473	0.06733	-0.05094	0.27195
1.98E-20	0.161859	0.00045	0.187608	4.51E-05	0.119516	0.00973	0.330168	2.44E-13
2.40E-17	-0.06033	0.1931	-0.08944	0.05343	-0.21486	2.79E-06	-0.16921	0.00024
3.01E-18	0.088367	0.05636	0.059039	0.20283	-0.04602	0.32103	0.142133	0.00208
7.44E-16	0.192643	2.77E-05	0.087662	0.05836	0.043391	0.34947	0.277362	1.08E-09
3.98E-27	0.167437	0.00028	0.117034	0.01137	0.104728	0.02361	0.29533	7.47E-11
2.59E-17	0.131607	0.00439	0.039929	0.38929	0.035178	0.44821	0.164934	0.00034
1.66E-19	0.094914	0.04034	-0.08958	0.05305	-0.02353	0.61201	0.105762	0.02226
1.91E-06	0.255077	2.27E-08	0.30821	9.82E-12	0.338124	5.93E-14	0.525913	1.42E-34
8.47E-18	0.102958	0.02609	0.050715	0.27407	0.014179	0.75991	0.165848	0.00032
8.61E-07	0.136173	0.00319	0.224316	9.73E-07	0.212508	3.60E-06	0.347463	1.07E-14
8.47E-12	0.132941	0.004	0.166772	0.00029	0.060396	0.19262	0.257238	1.71E-08
0.00304	0.092562	0.04559	0.066354	0.15224	-0.04249	0.35961	0.128962	0.00525
2.57E-13	-0.02772	0.55019	-0.08193	0.07695	-0.17575	0.00013	-0.12464	0.007
1.93E-19	-0.0953	0.03954	-0.08121	0.07957	-0.1197	0.00962	-0.20264	1.02E-05
0.0013	0.220093	1.57E-06	0.140744	0.0023	0.227707	6.59E-07	0.429957	1.96E-22
8.52E-09	-0.05177	0.26419	0.032862	0.47867	-0.06588	0.15521	-0.02652	0.56752
1.52E-31	0.105593	0.02248	0.209962	4.73E-06	0.089606	0.05298	0.222114	1.25E-06
1.10E-14	0.085224	0.06575	0.111871	0.01558	0.029225	0.5287	0.182196	7.50E-05
9.20E-18	0.163129	0.0004	0.15614	0.00071	0.151041	0.00106	0.367653	2.15E-16
4.59E-34	0.038421	0.40747	0.072271	0.11885	0.051482	0.26688	0.109849	0.01756
5.62E-07	0.16001	0.00052	-0.03708	0.42399	0.028548	0.53829	0.156242	0.0007
3.80E-19	-0.00033	0.99428	0.16261	0.00042	-0.08133	0.07913	0.053891	0.2451
3.72E-23	0.212555	3.58E-06	0.277811	1.01E-09	0.351879	4.66E-15	0.511116	1.92E-32
5.33E-15	0.149562	0.00119	0.199651	1.38E-05	-0.04085	0.37839	0.170947	0.00021
4.91E-13	0.186682	4.92E-05	0.212614	3.56E-06	0.103349	0.02552	0.294961	7.91E-11
0.00048	0.159497	0.00054	0.173314	0.00017	0.139415	0.00253	0.301762	2.75E-11
1.99E-38	0.112372	0.01512	0.12721	0.00591	0.016552	0.72128	0.184573	6.01E-05
3.34E-09	-0.05948	0.1995	-0.02844	0.53987	-0.14695	0.00145	-0.10825	0.01929

1.99E-12	0.251699	3.51E-08	0.177633	0.00011	0.250363	4.17E-08	0.452296	6.29E-25
2.31E-16	0.153771	0.00086	0.117285	0.0112	0.154786	0.00079	0.296927	5.84E-11
4.32E-19	0.039773	0.39114	0.023887	0.60663	-0.02285	0.62232	0.127794	0.00568
2.53E-10	0.118589	0.01032	0.027621	0.55157	0.027821	0.54869	0.176421	0.00013
5.07E-12	0.247817	5.77E-08	0.20617	7.06E-06	0.222245	1.23E-06	0.485308	5.77E-29
8.87E-20	0.151888	0.00099	0.172948	0.00017	0.15215	0.00097	0.356161	2.06E-15
6.43E-13	0.146862	0.00146	0.122907	0.00784	0.071056	0.12519	0.267172	4.49E-09
1.68E-17	-0.0956	0.03891	-0.14967	0.00118	-0.17725	0.00012	-0.22064	1.47E-06
1.93E-24	0.087125	0.05993	0.14627	0.00153	0.065242	0.15924	0.185912	5.30E-05
4.30E-12	0.170453	0.00021	0.184216	6.21E-05	0.063139	0.17315	0.245834	7.40E-08
0.00113	0.089844	0.05235	0.381883	1.16E-17	0.27196	2.31E-09	0.33311	1.45E-13
2.71E-16	0.20197	1.09E-05	0.123257	0.00766	0.236665	2.29E-07	0.447185	2.43E-24
5.82E-19	0.359586	1.06E-15	0.053493	0.24862	0.124485	0.00707	0.336405	8.08E-14
2.24E-15	0.175998	0.00013	0.237173	2.15E-07	0.077105	0.09606	0.277261	1.09E-09
2.31E-74	0.174246	0.00015	0.114178	0.01355	0.059676	0.19799	0.242005	1.19E-07
4.74E-36	0.143912	0.00182	0.1848	5.88E-05	0.143975	0.00181	0.272733	2.07E-09
6.44E-09	0.196766	1.85E-05	0.178004	0.00011	0.162152	0.00043	0.286478	2.85E-10
5.23E-16	0.176512	0.00013	0.232217	3.89E-07	0.220712	1.46E-06	0.397999	3.55E-19
2.00E-36	0.063929	0.16782	0.085934	0.06352	0.035021	0.45024	0.12206	0.00828
1.80E-16	0.176144	0.00013	0.187751	4.45E-05	0.068155	0.1414	0.240143	1.50E-07
2.75E-49	0.223538	1.06E-06	0.173761	0.00016	0.122806	0.00789	0.392561	1.18E-18
2.86E-12	0.009436	0.83884	-0.17049	0.00021	-0.29751	5.34E-11	-0.16376	0.00038
6.36E-17	0.267789	4.12E-09	0.286714	2.75E-10	0.21584	2.51E-06	0.418426	3.22E-21
9.46E-06	0.059917	0.19618	0.127651	0.00574	0.029118	0.5302	0.168076	0.00026
0.00067	0.068289	0.14062	0.15806	0.00061	0.069765	0.13222	0.191432	3.12E-05
1.03E-19	-0.0414	0.37201	-0.01485	0.7489	-0.16749	0.00028	-0.14918	0.00122
3.31E-10	-0.06721	0.14698	-0.18642	5.05E-05	-0.18214	7.54E-05	-0.19716	1.77E-05
2.75E-12	0.021021	0.65047	-0.10669	0.02111	-0.00208	0.96422	-0.04494	0.33254
2.70E-11	0.229483	5.36E-07	0.122554	0.00802	0.056385	0.22392	0.286017	3.05E-10
2.72E-11	0.180616	8.67E-05	-0.00621	0.89354	0.041794	0.36751	0.216664	2.29E-06
3.80E-07	0.059858	0.19662	0.015754	0.73419	0.035041	0.44998	0.080958	0.08052
3.88E-17	0.073169	0.11432	0.205988	7.20E-06	0.112625	0.01489	0.198795	1.51E-05
3.61E-12	0.184377	6.12E-05	0.331265	2.01E-13	0.348868	8.22E-15	0.488136	2.48E-29
1.18E-08	0.075399	0.10366	0.111837	0.01561	-0.0474	0.30675	0.163059	0.0004
1.39E-11	-0.0796	0.08574	-0.13689	0.00303	-0.1842	6.22E-05	-0.21046	4.49E-06
6.77E-17	0.208603	5.47E-06	0.126189	0.00632	0.139893	0.00245	0.230853	4.57E-07
3.75E-14	0.268625	3.67E-09	0.280121	7.23E-10	0.264556	6.42E-09	0.4164	5.21E-21
1.03E-27	0.124369	0.00713	0.136764	0.00306	0.068536	0.13918	0.282648	5.00E-10
5.11E-10	0.062954	0.17442	0.033162	0.47466	0.031666	0.49483	0.055702	0.22958
7.79E-08	-0.09485	0.04048	-0.13828	0.00275	-0.16917	0.00024	-0.17769	0.00011
5.23E-20	0.147698	0.00137	0.089362	0.05363	0.0569	0.2197	0.220543	1.49E-06
8.39E-12	0.157181	0.00065	0.254654	2.40E-08	0.208955	5.27E-06	0.342889	2.49E-14
0.00605	0.308283	9.71E-12	0.135182	0.00342	0.237724	2.01E-07	0.456849	1.85E-25
1.73E-16	0.283171	4.64E-10	0.270506	2.83E-09	0.173131	0.00017	0.435204	5.28E-23
1.75E-54	0.163251	0.0004	0.12134	0.00867	0.037285	0.42148	0.200029	1.33E-05

9.89E-21	0.166459	0.0003	0.341884	3.00E-14	0.027465	0.55383	0.196508	1.89E-05
8.68E-27	0.000527	0.99093	-0.04058	0.38164	-0.13158	0.0044	-0.05836	0.20807
8.80E-06	0.11337	0.01423	0.240618	1.41E-07	0.197218	1.76E-05	0.336204	8.37E-14
3.69E-11	0.161827	0.00045	0.27446	1.62E-09	0.12796	0.00562	0.362092	6.49E-16
6.67E-17	0.042376	0.36087	0.121032	0.00884	-0.04798	0.30082	0.086687	0.06123
1.98E-19	0.201977	1.09E-05	0.071947	0.12051	0.127006	0.00599	0.311952	5.34E-12
1.65E-27	0.195546	2.08E-05	0.145531	0.00161	0.120128	0.00936	0.296419	6.32E-11
2.95E-43	0.035649	0.44215	0.172083	0.00019	0.025509	0.58241	0.155234	0.00076
1.32E-22	0.058347	0.20818	0.089212	0.05403	-0.09707	0.03599	0.027374	0.55514
3.67E-12	0.107381	0.02029	0.015257	0.74228	-0.04036	0.38415	0.052333	0.25904
1.15E-11	0.065797	0.15572	-0.02246	0.62837	0.079626	0.08564	0.144802	0.0017
2.46E-10	0.029802	0.52059	-0.06031	0.19324	-0.13917	0.00258	-0.08002	0.08412
1.36E-10	0.136517	0.00312	-0.0022	0.96221	0.024177	0.60227	0.179843	9.31E-05
5.84E-10	-0.00054	0.99065	-0.07831	0.09096	-0.03792	0.41359	0.082342	0.07546
2.95E-15	0.205376	7.67E-06	0.0559	0.22793	0.067529	0.1451	0.254467	2.46E-08
1.22E-29	0.122949	0.00782	0.164596	0.00035	0.166789	0.00029	0.272445	2.16E-09
7.87E-05	-0.08339	0.07179	-0.08732	0.05936	-0.15782	0.00062	-0.1464	0.00151
0.00156	0.049267	0.28803	-0.06557	0.15715	-0.06873	0.13808	0.021348	0.64541
4.61E-22	0.05544	0.23179	0.080392	0.08266	0.060196	0.19411	0.088185	0.05687
5.91E-06	0.195254	2.15E-05	-0.00988	0.83139	0.03227	0.48664	0.234735	2.88E-07
4.53E-21	0.228255	6.18E-07	0.101065	0.02898	0.197672	1.69E-05	0.35482	2.66E-15
2.59E-16	-0.01997	0.66687	-0.05556	0.23079	-0.01505	0.7456	-0.04869	0.29373
7.97E-57	0.136487	0.00312	0.083715	0.0707	0.013666	0.76834	0.176077	0.00013
0.00089	-0.0825	0.07489	-0.32609	4.96E-13	-0.22978	5.18E-07	-0.2341	3.11E-07
1.15E-12	0.222841	1.15E-06	0.230498	4.76E-07	0.252021	3.37E-08	0.478956	3.74E-28
0.2034	0.069102	0.13594	0.070018	0.13081	0.084875	0.06687	0.217375	2.12E-06
0.00463	0.263483	7.42E-09	0.194412	2.33E-05	0.276062	1.29E-09	0.522322	4.78E-34
1.54E-06	-0.01194	0.79685	0.163534	0.00039	0.017649	0.70365	0.093284	0.04392
3.23E-16	0.032409	0.48476	0.125218	0.00674	0.069162	0.1356	0.166498	0.0003
1.03E-13	-0.02795	0.54687	0.176148	0.00013	0.015	0.74647	0.050797	0.2733
9.83E-12	0.302743	2.35E-11	0.200963	1.21E-05	0.308275	9.72E-12	0.550699	2.18E-38
1.04E-17	0.242752	1.09E-07	0.135851	0.00327	0.155569	0.00074	0.403596	1.01E-19
1.22E-20	0.248145	5.53E-08	0.301268	2.97E-11	0.281927	5.56E-10	0.528317	6.25E-35
1.12E-26	0.128372	0.00547	0.120214	0.00931	0.029338	0.5271	0.231298	4.33E-07
0.05666	0.193426	2.57E-05	-0.01842	0.69135	0.024474	0.59782	0.136223	0.00318
1.74E-16	0.073105	0.11464	-0.04913	0.28938	0.012698	0.78433	0.062299	0.17895
0.0078	0.065085	0.16026	-0.02654	0.56721	0.057108	0.21802	0.101745	0.02791
0.04403	-0.01068	0.81789	-0.22747	6.77E-07	-0.11691	0.01146	-0.13209	0.00424
0.00114	-0.04719	0.30884	0.00462	0.92069	0.060831	0.18943	-0.03098	0.50418
0.71758	0.111863	0.01559	0.137196	0.00297	0.251236	3.73E-08	0.261863	9.23E-09
0.50963	-0.05446	0.24014	-0.06383	0.16851	-0.02967	0.52238	-0.04643	0.31674
0.15418	-0.03717	0.42286	-0.11974	0.0096	-0.11932	0.00986	-0.1141	0.01362
0.98506	-0.03835	0.40837	-0.03457	0.45614	0.078645	0.08958	-0.00514	0.91171
0.00026	0.235486	2.64E-07	-0.12136	0.00866	0.013179	0.77638	0.159172	0.00056
0.19473	0.046927	0.31157	0.049794	0.28289	0.129923	0.00492	0.171251	0.0002

5.20E-13	0.020435	0.65959	0.035832	0.43982	0.044047	0.34223	0.094061	0.04218
0.0044	-0.03566	0.44202	-0.08147	0.07861	-0.02171	0.63983	-0.1024	0.02691
0.50262	-0.04588	0.32246	-0.11654	0.01173	0.014334	0.75736	-0.03506	0.4497
0.12643	-0.0867	0.0612	0.03409	0.46238	0.014554	0.75376	-0.0187	0.68689
0.02533	-0.11069	0.01671	-0.2609	1.05E-08	-0.14817	0.00132	-0.21891	1.79E-06
0.36265	-0.08085	0.08093	-0.23517	2.74E-07	-0.21112	4.18E-06	-0.24193	1.20E-07
3.16E-08	0.217003	2.21E-06	-0.06458	0.16355	-0.02119	0.6479	0.04835	0.2971
0.00188	0.030768	0.50715	-0.08935	0.05366	0.089661	0.05283	0.11051	0.01689
3.62E-07	-0.11331	0.01428	-0.01688	0.71599	-0.21731	2.13E-06	-0.26484	6.18E-09
0.01463	0.040172	0.38641	-0.08427	0.06883	-0.03216	0.48809	0.019983	0.66667
8.93E-07	0.124587	0.00703	0.012188	0.79279	0.12543	0.00665	0.12314	0.00772
0.75614	0.053809	0.24583	-0.27802	9.79E-10	0.013372	0.77319	-0.04097	0.37709
7.93E-05	0.021203	0.64765	-0.10161	0.02812	0.082355	0.07541	0.124491	0.00707
0.0037	-0.05436	0.24102	0.099601	0.0314	0.07935	0.08674	0.042143	0.36352
0.39084	-0.04344	0.34893	0.188182	4.27E-05	0.218452	1.88E-06	0.131291	0.00448
0.49829	-0.04556	0.3259	0.006839	0.88281	0.117501	0.01105	0.106201	0.02171
0.00023	-0.00949	0.83796	-0.11879	0.01019	0.000714	0.98773	0.00993	0.83053
0.48959	-0.00343	0.94109	0.024523	0.59708	0.151496	0.00102	0.096715	0.03668
0.00184	-0.03049	0.51106	-0.11528	0.01267	0.003464	0.94049	-0.0352	0.44797
0.67589	-0.01675	0.71808	0.01401	0.76268	-0.01017	0.82654	-0.05128	0.26877
0.13453	-0.07981	0.08491	-0.19438	2.34E-05	-0.15862	0.00058	-0.16707	0.00029
0.00422	0.007501	0.87157	-0.13385	0.00376	-0.00389	0.93316	0.018193	0.69496
6.84E-07	0.110156	0.01725	0.21842	1.89E-06	0.13879	0.00265	0.25233	3.24E-08
0.91749	-0.05437	0.24094	0.066442	0.1517	-0.06188	0.18191	-0.06452	0.16395
0.08132	-0.21221	3.72E-06	-0.10753	0.02011	-0.11164	0.01579	-0.2615	9.69E-09
0.63301	-0.12149	0.00858	-0.18685	4.85E-05	-0.04262	0.35816	-0.12247	0.00806
0.19524	-0.08075	0.08128	-0.13858	0.00269	-0.07669	0.09789	-0.09725	0.03564
0.49091	-0.03648	0.43157	-0.08537	0.06528	0.003756	0.93549	-0.02386	0.607
1.87E-09	-0.01033	0.82384	-0.0606	0.19111	-0.04176	0.36795	0.002547	0.95622
0.75722	-0.0531	0.25213	-0.16576	0.00032	-0.0169	0.71567	-0.05321	0.25116
0.76046	0.167661	0.00027	0.237426	2.09E-07	0.509974	2.78E-32	0.435367	5.07E-23
0.78798	-0.03819	0.41032	-0.01163	0.80209	0.059867	0.19655	0.005369	0.90788
0.00281	-0.00616	0.89445	-0.07222	0.1191	-0.00273	0.95305	-0.04718	0.309
0.00862	-0.10858	0.01892	-0.11916	0.00995	-0.10041	0.03003	-0.16375	0.00038
0.3179	-0.02215	0.63299	-0.18769	4.47E-05	0.03171	0.49424	-0.03187	0.49204
0.00163	0.121665	0.00849	-0.05224	0.25987	-0.05237	0.25872	0.045285	0.32882
0.59618	-0.09182	0.04735	-0.20447	8.43E-06	-0.15059	0.0011	-0.2056	7.50E-06
0.0547	-0.06817	0.14131	-0.28802	2.26E-10	-0.12345	0.00757	-0.22371	1.04E-06
0.76668	-0.01173	0.8004	-0.16108	0.00047	-0.05458	0.23914	-0.08227	0.07573
2.01E-14	-0.02309	0.61862	-0.05182	0.26374	0.065274	0.15904	-0.00678	0.88376
0.09872	-0.13497	0.00348	-0.20764	6.05E-06	-0.13375	0.00378	-0.23056	4.72E-07
2.21E-10	0.023122	0.6182	-0.12233	0.00813	-0.00076	0.98689	0.068609	0.13876
1.63E-08	-0.03804	0.41207	0.012287	0.79114	0.063777	0.16884	-0.01527	0.74213
0.19257	0.080837	0.08097	0.035792	0.44032	0.11023	0.01717	0.124021	0.00729
0.00025	-0.03883	0.40252	-0.03261	0.48203	0.092646	0.04539	0.039108	0.39912

4.29E-09	-0.00388	0.93332	-0.09488	0.0404	0.033064	0.47597	0.032966	0.47728
0.12398	-0.05421	0.2423	-0.02493	0.59105	0.050577	0.27538	-0.02796	0.54665
0.37787	0.01088	0.8146	-0.09566	0.03879	0.044947	0.33244	-0.00553	0.90521
0.01776	-0.05353	0.24825	-0.13345	0.00386	-0.04965	0.28428	-0.08163	0.07804
6.65E-21	0.174494	0.00015	-0.03968	0.39231	-0.04012	0.38708	0.167427	0.00028
0.39576	0.012278	0.79129	0.031065	0.50307	0.198936	1.49E-05	0.112471	0.01503
0.58655	0.011546	0.80347	-0.08106	0.08013	-0.15774	0.00062	-0.14366	0.00186
2.63E-06	0.047601	0.30466	-0.00699	0.88031	-0.01257	0.78641	0.044707	0.33504
8.62E-06	0.006998	0.88012	-0.08901	0.05458	-0.06122	0.18659	0.020785	0.65414
0.1952	0.174516	0.00015	0.002496	0.95709	0.125254	0.00672	0.228012	6.36E-07
5.87E-07	-0.07705	0.09629	-0.18999	3.59E-05	-0.1356	0.00332	-0.23131	4.33E-07
0.43431	0.03936	0.39609	-0.15964	0.00053	-0.03118	0.50143	0.007952	0.86392
0.72051	-0.0392	0.39805	-0.12789	0.00565	0.00372	0.9361	-0.02265	0.62536
0.14748	-0.03471	0.45422	-0.10164	0.02808	-0.03489	0.452	-0.10212	0.02733
5.33E-07	0.012225	0.79218	-0.11017	0.01723	0.02405	0.60417	0.03641	0.43246
0.08012	0.098258	0.03377	-0.00042	0.99271	0.175761	0.00013	0.292681	1.12E-10
0.4971	-0.03742	0.41984	-0.00247	0.95747	0.068509	0.13934	-0.02645	0.56857
0.3044	0.0206	0.65702	-0.00583	0.9	0.0856	0.06456	0.047095	0.30984
0.13878	0.01601	0.73004	0.055044	0.23514	-0.13166	0.00437	-0.12835	0.00547
0.08461	-0.03802	0.41242	-0.12049	0.00915	0.011258	0.80829	-0.02311	0.61842
0.00046	-0.20242	1.04E-05	-0.32721	4.09E-13	-0.31547	2.99E-12	-0.422	1.37E-21
0.0006	0.092392	0.04599	-0.0618	0.18249	0.054729	0.23784	0.140399	0.00236
0.03169	-0.10885	0.01863	-0.06016	0.19435	0.011517	0.80396	-0.10726	0.02043
0.43762	0.062603	0.17683	-0.03161	0.49558	0.213517	3.23E-06	0.229082	5.62E-07
2.16E-08	-0.04381	0.34483	0.108041	0.01952	0.187799	4.43E-05	0.136083	0.00321
0.02552	-0.17943	9.67E-05	-0.11295	0.0146	0.012695	0.78438	-0.11087	0.01654
0.00083	0.20027	1.30E-05	-0.01423	0.75913	0.078375	0.09069	0.245247	7.97E-08
1.85E-19	0.25208	3.35E-08	-0.01556	0.73741	0.126757	0.00609	0.283206	4.61E-10
5.29E-09	-0.10977	0.01765	-0.02582	0.57775	-0.07224	0.11898	-0.19239	2.84E-05
0.00036	0.066985	0.14837	-0.01153	0.80375	-0.0511	0.27047	0.056617	0.22201
5.22E-15	0.046323	0.31784	-0.05885	0.20425	0.001462	0.97486	0.107818	0.01978
1.79E-10	-0.02567	0.58	-0.15617	0.00071	-0.08012	0.08372	-0.03883	0.4025
0.05154	-0.10169	0.02799	-0.13531	0.00339	-0.08172	0.0777	-0.13464	0.00356
0.18482	0.034463	0.4575	-0.07226	0.11891	0.013868	0.76502	0.083257	0.07225
0.84439	-0.02921	0.52897	0.069075	0.13609	0.084221	0.069	-0.01543	0.73953
0.46226	-0.04347	0.34854	-0.07692	0.09687	0.022596	0.62622	-0.05341	0.24931
0.08889	-0.28264	5.01E-10	-0.14566	0.0016	-0.14757	0.00138	-0.30681	1.23E-11
0.17018	0.045934	0.32193	0.107857	0.01973	0.080535	0.08212	0.174292	0.00015
1.26E-09	-0.00906	0.84518	-0.19142	3.13E-05	-0.04853	0.29533	-0.08697	0.06038
0.78764	-0.0847	0.06744	-0.18749	4.56E-05	-0.14142	0.00219	-0.16405	0.00037
0.81445	0.026715	0.5647	-0.14867	0.00127	-0.09168	0.04769	-0.00477	0.9182
0.00967	0.027001	0.56054	-0.08625	0.06255	-0.01918	0.67932	0.060778	0.18982
1.32E-08	0.200631	1.25E-05	-0.02585	0.57731	0.251033	3.83E-08	0.384049	7.34E-18
1.34E-05	0.016536	0.72153	-0.10338	0.02547	-0.10092	0.02921	-0.02774	0.54992
3.01E-08	0.064611	0.16333	0.036706	0.42873	0.085514	0.06483	0.076691	0.09786

0.0002	0.174644	0.00015	-0.04782	0.30239	0.050441	0.27668	0.07341	0.11313
4.47E-08	0.018273	0.69369	-0.10933	0.01811	-0.02973	0.52159	-0.07845	0.09038
0.42027	-0.06372	0.16922	-0.11852	0.01036	-0.00412	0.92921	-0.09561	0.03888
0.01806	-0.07172	0.12167	-0.06972	0.13248	-0.00258	0.95566	-0.09294	0.0447
0.0009	-0.02139	0.64479	-0.11877	0.0102	-0.11382	0.01385	-0.10523	0.02295
0.05337	-0.0695	0.13368	-0.17777	0.00011	-0.13928	0.00256	-0.16733	0.00028
5.80E-08	-0.20799	5.83E-06	-0.23223	3.88E-07	-0.12411	0.00725	-0.25851	1.44E-08
0.56327	-0.1143	0.01346	-0.19393	2.45E-05	-0.06314	0.17314	-0.13059	0.0047
0.39894	-0.00934	0.84048	-0.09431	0.04163	-0.18071	8.60E-05	-0.1516	0.00101
9.53E-05	-0.03081	0.50653	-0.19291	2.70E-05	-0.12979	0.00497	-0.11304	0.01452
0.00308	0.065402	0.15823	0.140921	0.00227	0.189404	3.80E-05	0.314163	3.72E-12
0.0016	0.072593	0.11721	0.04183	0.3671	0.053387	0.24956	0.112697	0.01482
0.14283	0.043796	0.34499	-0.04476	0.33441	0.022535	0.62715	0.080614	0.08182
0.28369	-0.03121	0.50104	0.107434	0.02022	0.154708	0.0008	0.067566	0.14488
0.00309	0.063622	0.16988	0.118563	0.01034	0.145088	0.00167	0.219409	1.69E-06
9.40E-17	0.098473	0.03338	-0.03803	0.41223	0.135315	0.00339	0.223305	1.09E-06
0.74628	-0.01336	0.77344	-0.12247	0.00806	-0.04893	0.29133	-0.06436	0.16494
0.27798	0.136969	0.00302	-0.22842	6.07E-07	-0.01122	0.80888	0.08198	0.07675
1.32E-05	0.00443	0.92394	-0.04184	0.36693	-0.01391	0.76432	0.009566	0.83666
0.98301	0.030983	0.50418	0.344609	1.82E-14	0.078109	0.09179	0.159133	0.00056
0.00155	-0.0357	0.44155	-0.1349	0.00349	-0.13975	0.00247	-0.14484	0.0017
3.84E-11	0.170517	0.00021	0.072789	0.11622	0.066912	0.14881	0.191155	3.21E-05
0.08236	0.003483	0.94017	-0.13214	0.00423	-0.0174	0.70756	0.001147	0.98028
0.54646	-0.04509	0.3309	-0.00259	0.95548	0.130762	0.00465	0.134177	0.00367
0.00027	0.126368	0.00625	-0.09514	0.03986	-0.03101	0.50386	0.054609	0.23886
2.15E-07	0.093323	0.04383	-0.0651	0.16018	-0.03776	0.41559	0.060492	0.19192
0.35719	-0.05842	0.20762	-0.16048	0.0005	-0.02131	0.64594	-0.08652	0.06173
0.41132	-0.13822	0.00276	-0.10992	0.01749	-0.28336	4.51E-10	-0.2562	1.96E-08
0.39871	-0.05837	0.20801	-0.15972	0.00053	-0.08114	0.07985	-0.10588	0.02211
0.28153	0.021819	0.63813	0.09786	0.0345	0.050763	0.27362	0.059146	0.20201
0.08329	0.025312	0.58533	-0.09402	0.04228	0.030825	0.50637	0.065245	0.15923
0.91114	0.040103	0.38722	-0.09193	0.04708	0.028484	0.5392	0.08756	0.05866
0.25312	0.007985	0.86336	-0.09743	0.03531	0.068463	0.1396	0.073267	0.11383
0.11116	0.012225	0.79217	-0.04983	0.28256	-0.00863	0.85253	-0.03966	0.39253
1.03E-06	-0.02523	0.58648	-0.18955	3.74E-05	-0.17384	0.00016	-0.11593	0.01217
2.71E-21	-0.03425	0.46023	-0.06011	0.19475	-0.04076	0.37951	-0.06156	0.18416
3.36E-08	0.082879	0.07356	-0.09603	0.03805	-0.13632	0.00316	0.050536	0.27578
2.72E-07	0.031781	0.49327	0.002797	0.95193	0.076305	0.09957	0.115681	0.01236
0.17252	-0.11854	0.01035	-0.29561	7.16E-11	-0.21006	4.69E-06	-0.24032	1.47E-07
0.36177	-0.03871	0.40389	-0.01688	0.71596	0.060082	0.19495	0.053587	0.24778
0.74284	-0.06703	0.14811	-0.24637	6.92E-08	-0.21065	4.40E-06	-0.18912	3.90E-05
0.29717	0.050189	0.27909	-0.05005	0.28043	0.063339	0.17179	0.124013	0.00729
0.10473	-0.05442	0.24051	-0.09116	0.04899	0.001993	0.96574	-0.04561	0.32536
0.69712	-0.12676	0.00609	-0.14993	0.00116	-0.04928	0.28787	-0.14875	0.00126
0.01326	-0.04725	0.3082	-0.00024	0.99581	-0.07151	0.12279	-0.02365	0.61025

0.86162	-0.041	0.37664	-0.15422	0.00083	-0.04038	0.38391	-0.07822	0.09135
0.12476	-0.11554	0.01247	-0.19176	3.03E-05	-0.19082	3.31E-05	-0.21803	1.97E-06
0.80626	-0.01236	0.79001	-0.20356	9.26E-06	-0.00337	0.94209	-0.04067	0.38057
0.07794	-0.04392	0.34364	-0.14777	0.00136	-0.09342	0.04361	-0.11892	0.01011
0.20672	-0.01252	0.78736	0.107195	0.02051	0.024063	0.60397	0.056374	0.224
0.15609	-0.02542	0.58367	-0.09562	0.03887	0.013262	0.775	-0.04107	0.37588
0.11022	-0.1007	0.02957	0.107627	0.02	-0.17354	0.00016	-0.19476	2.25E-05
0.80059	0.080735	0.08136	-0.17116	0.0002	-0.06231	0.17886	0.045647	0.32496
1.14E-38	0.111718	0.01572	-0.06773	0.14391	0.012311	0.79074	0.121814	0.00841
0.10515	0.01421	0.75939	-0.05903	0.20288	-0.01193	0.79713	-0.03449	0.4572
0.02531	0.01488	0.74842	-0.09803	0.03418	-0.04284	0.35568	-0.08948	0.05331
0.91588	-0.05451	0.2397	-0.16371	0.00038	-0.01097	0.81306	-0.06392	0.16788
4.24E-05	-0.05383	0.24567	0.036815	0.42736	0.063304	0.17203	0.110763	0.01664
0.03593	-0.20588	7.28E-06	-0.12092	0.0089	-0.09878	0.03282	-0.24358	9.82E-08
0.9733	-0.05312	0.25189	-0.13896	0.00262	0.028303	0.54179	-0.02443	0.59851
0.98799	-0.07954	0.08599	-0.15227	0.00096	0.002852	0.95099	-0.07063	0.12747
0.61305	-0.03771	0.41624	-0.19262	2.78E-05	-0.06698	0.14837	-0.13354	0.00384
0.17959	-0.00264	0.9546	-0.10873	0.01875	0.036858	0.42682	0.050153	0.27943
0.21373	0.039211	0.39788	0.11367	0.01398	-0.03531	0.44657	0.044224	0.34029
0.87316	-0.03166	0.49489	-0.1009	0.02925	-0.02334	0.61489	-0.06062	0.19098
0.24299	-0.00746	0.87233	-0.13819	0.00277	-0.09828	0.03372	-0.03976	0.3913
0.44888	-0.06433	0.16519	-0.07662	0.09818	0.051268	0.26887	-0.00595	0.89791
0.20088	-0.05805	0.21049	-0.22443	9.60E-07	-0.23625	2.40E-07	-0.13279	0.00404
0.84783	-0.11905	0.01003	-0.27052	2.83E-09	-0.25561	2.11E-08	-0.26681	4.72E-09
0.29269	-0.15324	0.00089	-0.29723	5.57E-11	-0.19965	1.38E-05	-0.26561	5.56E-09
0.51129	-0.01926	0.67802	-0.11955	0.00971	-0.00324	0.94431	-0.03608	0.43664
0.3058	0.083837	0.07029	0.153843	0.00085	0.259515	1.26E-08	0.403433	1.05E-19
0.42886	0.000348	0.99401	-0.03001	0.51763	0.010993	0.81271	0.002664	0.95422
0.05448	-0.17025	0.00022	-0.19401	2.43E-05	-0.18424	6.20E-05	-0.30768	1.07E-11
0.39	-0.05419	0.24246	-0.20304	9.78E-06	-0.09697	0.03618	-0.11757	0.011
0.67685	-0.07501	0.10545	-0.17249	0.00018	-0.13168	0.00437	-0.16303	0.0004
0.16006	0.013582	0.76972	-0.14214	0.00208	0.011779	0.7996	0.03645	0.43196
0.0146	-0.04849	0.29573	-0.11131	0.01611	-0.04098	0.37698	-0.06704	0.14806
0.01738	-0.15106	0.00106	0.007669	0.86872	0.004873	0.91635	-0.09505	0.04005
0.00571	-0.00513	0.91201	-0.15632	0.0007	-0.01916	0.67967	0.005346	0.90826
8.12E-05	-0.09703	0.03607	-0.15762	0.00063	-0.12084	0.00895	-0.17154	0.0002
0.02328	-0.07534	0.10396	-0.1912	3.19E-05	-0.15193	0.00099	-0.14756	0.00139
0.68695	-0.03785	0.41452	-0.15391	0.00085	-0.0139	0.76455	-0.04386	0.34424
0.00012	0.034736	0.45394	-0.1171	0.01133	-0.00822	0.8593	0.018482	0.69036
0.10733	0.078079	0.09192	-0.0926	0.04549	0.083488	0.07146	0.137806	0.00284
0.27057	-0.05317	0.25145	-0.1359	0.00325	-0.03539	0.44548	-0.04218	0.36307
3.20E-23	0.008797	0.84962	-0.1435	0.00188	-0.05954	0.19901	-0.01474	0.75079
6.18E-22	0.12342	0.00758	-0.03115	0.50189	0.073838	0.11104	0.130542	0.00472
0.09424	-0.12661	0.00615	-0.01398	0.76311	-0.23093	4.52E-07	-0.26317	7.74E-09
0.00838	0.033303	0.47279	-0.07396	0.11047	0.032578	0.48248	0.067182	0.14718



0.58764	-0.16232	0.00043	-0.20914	5.17E-06	-0.24046	1.44E-07	-0.31725	2.22E-12
0.04364	-0.0609	0.18892	-0.20804	5.80E-06	-0.1829	7.02E-05	-0.13721	0.00297
0.10834	-0.03901	0.40031	-0.16209	0.00044	-0.05155	0.26623	-0.05752	0.21473
0.33656	-0.03298	0.47713	0.00056	0.99038	0.099509	0.03156	-0.0059	0.89887
2.32E-14	-0.01849	0.69029	-0.06992	0.13138	-0.12326	0.00766	-0.06104	0.18795
0.25443	0.083359	0.07191	0.160579	0.00049	0.165964	0.00032	0.271306	2.53E-09
0.0169	-0.17539	0.00014	-0.23782	1.99E-07	-0.19272	2.75E-05	-0.29462	8.33E-11
0.53721	-0.08575	0.06409	-0.14409	0.0018	-0.06364	0.16976	-0.10258	0.02665
0.49499	0.001724	0.97036	-0.12604	0.00639	0.009252	0.84194	0.060016	0.19544
0.70766	-0.05743	0.21546	-0.13443	0.00361	-0.02938	0.52644	-0.06315	0.17311
0.41986	-0.06014	0.19452	-0.13577	0.00328	0.008085	0.86167	-0.05319	0.25131
0.00048	-0.01378	0.76642	-0.24636	6.93E-08	-0.2652	5.88E-09	-0.21094	4.26E-06
0.1005	-0.02763	0.55139	-0.1929	2.71E-05	-0.09738	0.0354	-0.07577	0.10195
0.01834	0.050433	0.27676	-0.03432	0.45939	0.11033	0.01707	0.098353	0.0336
0.05256	-0.11533	0.01264	-0.15313	0.0009	-0.23963	1.60E-07	-0.27939	8.04E-10
0.0832	0.122674	0.00796	0.001459	0.97492	-0.0304	0.51229	0.126986	0.006
0.08695	0.006653	0.88598	-0.07929	0.08697	-0.03209	0.48909	0.090612	0.05036
0.32379	-0.05742	0.21549	-0.13783	0.00284	-0.05477	0.23748	-0.0944	0.04144
0.47614	-0.16195	0.00044	-0.20392	8.92E-06	-0.15802	0.00061	-0.26465	6.34E-09
0.72006	-0.05182	0.2637	-0.07452	0.10776	-0.03699	0.42523	-0.07713	0.09594
0.78107	-0.10633	0.02156	-0.18589	5.31E-05	-0.14402	0.00181	-0.2242	9.86E-07
0.00058	-0.20319	9.62E-06	-0.20262	1.02E-05	-0.10627	0.02163	-0.29377	9.49E-11
1.27E-16	0.17244	0.00018	0.043324	0.35022	0.163869	0.00038	0.292291	1.19E-10
0.71765	-0.08512	0.06608	-0.16271	0.00041	-0.04451	0.33712	-0.0918	0.04741
0.12572	0.117091	0.01133	0.039281	0.39704	0.065091	0.16022	0.096563	0.03698
0.01345	-0.03179	0.49312	-0.16324	0.0004	-0.06124	0.18646	-0.06366	0.1696
2.95E-14	-0.00886	0.84859	-0.17689	0.00012	-0.07752	0.09426	-0.0714	0.12338
0.90893	-0.05325	0.25079	-0.17974	9.40E-05	-0.02569	0.57973	-0.0787	0.08935
0.449	0.003724	0.93602	-0.14798	0.00134	0.027512	0.55314	0.02809	0.54484
3.00E-06	-0.10588	0.02212	-0.13429	0.00364	-0.06307	0.17359	-0.14057	0.00233
1.31E-08	0.084761	0.06724	0.116313	0.01189	0.206746	6.65E-06	0.281638	5.80E-10
0.57626	-0.03851	0.40636	-0.01461	0.75278	-0.0125	0.78756	-0.02621	0.5721
0.26961	-0.03761	0.41741	-0.10129	0.02863	0.030266	0.51411	0.01247	0.7881
0.15597	-0.08138	0.07893	-0.088	0.05738	-0.08094	0.08058	-0.09489	0.04038
0.64918	-0.05858	0.20636	-0.18215	7.53E-05	-0.07594	0.10121	-0.13111	0.00454
0.11384	-0.19229	2.87E-05	-0.18519	5.67E-05	-0.25459	2.42E-08	-0.35034	6.23E-15
0.07111	-0.0211	0.64924	-0.14221	0.00207	-0.00956	0.83678	-0.01373	0.7673
9.54E-11	-0.09226	0.04631	-0.11634	0.01188	-0.29211	1.22E-10	-0.19663	1.87E-05
0.10455	-0.06763	0.14451	-0.04316	0.35204	-0.06051	0.19181	-0.0354	0.4453
1.17E-21	0.035279	0.44691	0.059974	0.19576	-0.0408	0.37901	0.045162	0.33014
0.93162	0.002922	0.94979	-0.22767	6.62E-07	-0.10316	0.02579	-0.0755	0.10322
0.60618	-0.09374	0.04288	-0.27908	8.40E-10	-0.08204	0.07652	-0.11642	0.01182
0.78157	-0.15657	0.00069	-0.17223	0.00018	-0.24584	7.40E-08	-0.28498	3.55E-10
0.40816	-0.09992	0.03085	-0.15134	0.00104	-0.15053	0.0011	-0.24842	5.34E-08
0.20692	-0.01156	0.80325	-0.14278	0.00198	0.050531	0.27582	0.025457	0.58318

0.24159	0.044812	0.33391	-0.02291	0.62144	0.090062	0.05178	0.084656	0.06758
0.00186	-0.04568	0.32457	-0.13828	0.00275	-0.07784	0.09292	-0.05606	0.2266
0.00143	-0.01204	0.79526	-0.01182	0.79888	0.074523	0.10775	0.085278	0.06558
5.77E-15	0.078075	0.09194	-0.09378	0.04281	0.047585	0.30482	0.138883	0.00263
0.03513	-0.15827	0.0006	-0.36678	2.56E-16	-0.25277	3.06E-08	-0.32239	9.35E-13
0.43978	0.027344	0.55558	-0.19306	2.66E-05	0.071925	0.12062	0.050406	0.27701
2.05E-26	0.04504	0.33145	-0.0529	0.25386	-0.04721	0.30866	0.054662	0.23841
0.50119	-0.05052	0.27593	-0.19466	2.28E-05	-0.0434	0.34941	-0.04886	0.29201
0.05866	-0.04546	0.32699	-0.2076	6.08E-06	-0.05635	0.22423	-0.09064	0.05028
1.94E-14	0.145957	0.00156	-0.04456	0.33663	0.077386	0.09485	0.184601	5.99E-05
0.47138	-0.11443	0.01334	-0.09078	0.04992	-0.07893	0.08842	-0.12376	0.00742
0.51133	-0.07379	0.11129	-0.17377	0.00016	-0.02817	0.54363	-0.09772	0.03476
0.00351	-0.06421	0.16599	-0.17097	0.00021	-0.07712	0.09598	-0.17681	0.00012
0.02325	-0.02311	0.61841	-0.1123	0.01518	0.054528	0.23956	0.004524	0.92233
6.26E-05	-0.02715	0.55835	-0.1094	0.01803	-0.03062	0.50918	-0.0286	0.53756
0.0002	0.093484	0.04347	-0.16216	0.00043	-0.06611	0.15374	0.069831	0.13185
0.3572	0.017482	0.70632	-0.07925	0.08712	-0.00261	0.95514	0.027411	0.5546
0.42176	0.033516	0.46996	0.049899	0.28188	0.093453	0.04353	0.154853	0.00079
0.78448	-0.08655	0.06164	-0.24417	9.12E-08	-0.05825	0.20895	-0.1402	0.00239
0.01648	0.091101	0.04912	0.033109	0.47537	0.219602	1.66E-06	0.333102	1.45E-13
0.34275	-0.00564	0.90318	-0.12283	0.00788	-0.12678	0.00608	-0.08345	0.07158
0.70189	-0.27299	2.00E-09	-0.12012	0.00937	-0.23575	2.55E-07	-0.32399	7.12E-13
0.36459	0.223782	1.03E-06	0.054994	0.23556	0.236653	2.29E-07	0.397607	3.87E-19
0.1503	-0.08675	0.06103	-0.14326	0.00191	-0.03383	0.46578	-0.10585	0.02215
0.10782	0.01491	0.74794	-0.1406	0.00232	0.057477	0.21505	0.036194	0.4352
0.81487	0.018175	0.69525	-0.10583	0.02218	0.07631	0.09954	0.121359	0.00866
0.71793	-0.15025	0.00113	-0.01139	0.80611	-0.02917	0.52945	-0.2187	1.83E-06
0.90381	-0.16233	0.00043	-0.06384	0.16842	-0.1737	0.00016	-0.25235	3.23E-08
0.00042	-0.18738	4.61E-05	-0.23205	3.96E-07	-0.23552	2.63E-07	-0.38806	3.12E-18
0.41001	0.000447	0.99232	-0.11361	0.01403	-0.08602	0.06327	-0.05796	0.21119
0.37046	-0.07988	0.08463	-0.28033	7.01E-10	-0.12	0.00944	-0.15512	0.00077
0.902	-0.10293	0.02613	-0.09432	0.04162	-0.06895	0.13682	-0.15806	0.00061
0.3537	-0.00334	0.94267	-0.07952	0.08606	-0.2176	2.07E-06	-0.17182	0.00019
0.03664	-0.01743	0.70717	-0.05704	0.21856	-0.01252	0.78735	-0.05342	0.24925
0.15701	0.004354	0.92524	-0.13119	0.00451	0.02885	0.534	0.024297	0.60047
0.98672	-0.0625	0.17758	-0.11955	0.00971	0.024104	0.60336	-0.04942	0.28657
0.52506	0.006237	0.89307	-0.0629	0.17477	-0.08709	0.06002	-0.0314	0.49846
3.59E-08	0.208586	5.48E-06	0.089442	0.05342	0.362714	5.74E-16	0.458821	1.08E-25
0.00195	0.01335	0.77355	0.135819	0.00327	0.071377	0.12348	-0.04361	0.34707
0.05455	0.149935	0.00115	-0.0269	0.56204	0.154664	0.0008	0.255086	2.27E-08
0.00493	-0.03295	0.47756	-0.04502	0.33163	-0.06987	0.13164	-0.09926	0.03199
0.00043	-0.11938	0.00982	-0.22604	7.98E-07	-0.33255	1.60E-13	-0.34913	7.83E-15
0.46452	-0.07067	0.12727	0.094165	0.04195	0.236829	2.24E-07	0.112049	0.01541
0.65768	-0.01008	0.82794	-0.18727	4.66E-05	-0.12003	0.00942	-0.15097	0.00107
0.41384	0.019769	0.67003	-0.01563	0.73622	-0.00372	0.93614	-0.01853	0.68964

0.00068	0.104315	0.02417	-0.01147	0.80481	0.060279	0.19349	0.194552	2.30E-05
0.01427	0.097728	0.03474	-0.01456	0.75365	-0.00794	0.86417	0.125755	0.00651
0.0051	-0.02689	0.56213	0.018695	0.68699	-0.06932	0.1347	-0.00601	0.89686
1.36E-14	-0.01664	0.71987	-0.0938	0.04275	-0.09745	0.03527	-0.00885	0.84879
0.00108	0.010645	0.81853	0.133671	0.0038	0.002238	0.96153	-0.00688	0.88204
0.00045	-0.09948	0.0316	0.111201	0.01621	0.108465	0.01905	-0.03466	0.4549
0.01131	0.143005	0.00195	-0.08229	0.07564	0.02955	0.52411	0.135334	0.00339
0.10212	-0.01124	0.80864	-0.15379	0.00085	-0.01984	0.66899	0.035876	0.43925
8.39E-05	-0.04847	0.29593	-0.13188	0.00431	-0.05323	0.25095	-0.05	0.28086
0.67501	-0.01509	0.74492	-0.10525	0.02292	-0.08602	0.06325	-0.00719	0.87684
0.00014	-0.02951	0.52472	-0.11612	0.01203	-0.02473	0.59395	-0.02108	0.64951
0.40569	-0.10947	0.01796	-0.1917	3.04E-05	-0.07877	0.08908	-0.16235	0.00043
0.17055	-0.03027	0.51407	-0.11911	0.00998	-0.03641	0.43244	-0.02767	0.55087
0.53194	-0.00414	0.92882	-0.11286	0.01468	0.013743	0.76707	0.042487	0.35961
0.90345	-0.07328	0.11375	-0.16519	0.00034	-0.04964	0.28438	-0.06584	0.15547
7.28E-27	0.030915	0.50512	-0.09586	0.03838	-0.00937	0.83994	0.063084	0.17353
0.24585	-0.05072	0.27399	-0.14208	0.00209	-0.02795	0.54677	-0.0519	0.26297
0.11528	0.047231	0.30844	0.003921	0.93265	0.226227	7.82E-07	0.282068	5.45E-10
0.00138	-0.01403	0.76233	-0.11432	0.01344	-0.02574	0.57905	0.005003	0.91413
2.12E-14	0.02863	0.53712	-0.03431	0.45951	0.055592	0.2305	0.115993	0.01213
9.69E-11	0.034664	0.45488	-0.12593	0.00643	-0.01898	0.68246	0.036578	0.43034
0.43309	-0.03403	0.46314	-0.14815	0.00132	-0.01255	0.78671	-0.05105	0.27093
0.8895	-0.04687	0.31217	-0.13226	0.0042	0.004929	0.9154	-0.0582	0.20936
0.42606	-0.07884	0.08879	0.146942	0.00145	0.105071	0.02316	0.074638	0.10721
0.33622	0.002472	0.95752	-0.00683	0.88293	0.224551	9.47E-07	0.030418	0.512
0.95651	-0.03878	0.40303	-0.0838	0.07042	0.003943	0.93227	-0.05173	0.26453
0.03959	-0.10711	0.0206	-0.11077	0.01663	-0.03322	0.47389	-0.16802	0.00027
0.81887	-0.05833	0.20833	-0.00815	0.86051	0.032902	0.47814	-0.05934	0.20053
0.00056	0.230489	4.77E-07	0.127046	0.00597	0.135384	0.00338	0.245435	7.78E-08
0.45298	-0.01284	0.78193	0.075229	0.10445	-0.0362	0.43518	-0.04763	0.30436
0.08715	-0.07098	0.12559	-0.11444	0.01334	-0.06065	0.19076	-0.11403	0.01368
0.00072	0.037721	0.41607	-0.11731	0.01118	-0.02763	0.55142	-0.00662	0.8866
0.26729	-0.16581	0.00032	-0.092	0.04692	-0.11734	0.01116	-0.28082	6.54E-10
0.06513	0.040205	0.38602	-0.08879	0.05518	-0.02333	0.61509	0.07368	0.11181
8.35E-33	0.070722	0.12698	-0.01534	0.74089	0.013087	0.7779	0.047434	0.30636
0.74871	-0.11323	0.01435	-0.22731	6.90E-07	-0.20314	9.68E-06	-0.18622	5.14E-05
1.38E-30	0.009152	0.84363	-0.02218	0.63258	-0.0389	0.40169	0.041526	0.37059
0.52581	0.057254	0.21684	0.010178	0.82636	0.008178	0.86009	-0.00817	0.86029
1.45E-09	-0.10961	0.01781	-0.0869	0.06059	-0.11493	0.01295	-0.09174	0.04754
0.26237	0.083806	0.07039	0.10771	0.0199	0.201007	1.20E-05	0.283185	4.63E-10
0.89776	-0.02458	0.5962	-0.08538	0.06525	0.03196	0.49084	0.003562	0.93881
0.95599	-0.02546	0.58319	-0.11354	0.01409	-0.16785	0.00027	-0.14138	0.0022
1.69E-06	0.001531	0.97368	-0.10721	0.02049	0.016599	0.72051	-0.03794	0.41341
5.85E-28	0.054803	0.2372	-0.05346	0.2489	-0.07656	0.09845	0.0481	0.29961
0.00011	0.012626	0.78551	-0.01533	0.74103	-0.03673	0.4284	0.071959	0.12045

9.96E-06	0.024505	0.59734	-0.0514	0.26761	-0.05215	0.26075	0.003046	0.94766
5.58E-05	0.036134	0.43597	-0.01644	0.72315	0.071652	0.12204	0.112561	0.01495
0.16832	-8.34E-05	0.99857	-0.03188	0.49187	0.084422	0.06834	0.082262	0.07574
0.05429	-0.0942	0.04188	-0.11494	0.01294	-0.13582	0.00327	-0.15555	0.00074
0.49363	-0.10843	0.01908	-0.10628	0.02162	-0.07412	0.10965	-0.15258	0.00094
0.00036	0.046315	0.31793	0.161861	0.00045	0.276438	1.23E-09	0.262671	8.28E-09
3.05E-06	0.014323	0.75755	0.074013	0.11019	0.108054	0.01951	0.123532	0.00753
0.51873	0.128835	0.0053	-0.00712	0.87803	0.177215	0.00012	0.215119	2.71E-06
4.96E-06	0.120096	0.00938	-0.05978	0.19719	0.099308	0.0319	0.216107	2.44E-06
0.47975	0.10604	0.02191	-0.02796	0.5467	0.01472	0.75103	0.115131	0.01279
1.57E-05	-0.1535	0.00087	-0.25841	1.46E-08	-0.19307	2.66E-05	-0.31173	5.55E-12
0.35859	-0.01091	0.81402	-0.23964	1.59E-07	-0.12685	0.00605	-0.11843	0.01042
0.18257	-0.06083	0.18945	0.016751	0.71807	0.049938	0.2815	-0.08195	0.07685
0.00206	-0.18046	8.80E-05	0.036911	0.42616	0.033565	0.46931	-0.11764	0.01095
0.00766	-0.02512	0.58819	-0.08031	0.08298	-0.02867	0.53649	-0.05116	0.26992
0.00079	-0.05548	0.23143	-0.26577	5.44E-09	-0.11833	0.01049	-0.18773	4.46E-05
0.02285	0.080803	0.0811	-0.07606	0.10067	0.086227	0.06262	0.207134	6.38E-06
0.04172	0.030096	0.51648	-0.10697	0.02077	0.098111	0.03404	0.146475	0.0015
0.24687	0.003774	0.93517	0.024374	0.59931	-0.00941	0.83921	-0.01584	0.73279
0.04033	0.055136	0.23435	-0.01043	0.8222	0.112557	0.01495	0.181166	8.25E-05
1.60E-23	0.040876	0.37814	-0.06332	0.17192	-0.09449	0.04124	0.010598	0.81932
0.01573	0.023254	0.61621	-0.15762	0.00063	-0.02591	0.57643	0.042436	0.36019
0.00979	0.039441	0.39512	-0.05392	0.24482	0.028988	0.53205	0.04866	0.29402
0.70734	-0.08842	0.05621	0.086696	0.0612	0.012352	0.79006	-0.01837	0.69221
2.85E-13	-0.21988	1.60E-06	0.009096	0.84457	-0.07695	0.09672	-0.09263	0.04544
1.07E-13	0.083887	0.07012	0.149586	0.00119	0.178637	0.0001	0.18017	9.03E-05
0.00027	-0.20522	7.80E-06	-0.11347	0.01415	-0.12942	0.00509	-0.22689	7.24E-07
0.23495	-0.07209	0.1198	-0.05454	0.23947	-0.04923	0.28841	-0.06192	0.1816
0.0909	-0.10447	0.02396	-0.00422	0.9276	-0.04189	0.36643	-0.15039	0.00111
0.24837	-0.14539	0.00163	-0.21674	2.27E-06	-0.07221	0.11915	-0.2588	1.39E-08
0.02537	-0.01052	0.82071	0.040365	0.38413	0.142725	0.00199	0.064173	0.1662
0.19848	-0.12751	0.00579	0.036283	0.43407	-0.00552	0.90522	-0.14133	0.0022
0.00295	-0.09162	0.04784	0.076722	0.09773	0.001754	0.96984	-0.12979	0.00497
1.60E-06	-0.01684	0.71666	0.027461	0.55388	0.108609	0.01889	-0.02319	0.61713
2.16E-20	-0.01219	0.79273	-0.10982	0.01759	-0.03387	0.46527	-0.03452	0.45676
2.58E-31	0.054039	0.24381	-0.12883	0.0053	-0.0698	0.132	-0.00196	0.96634
0.00257	0.093842	0.04266	-0.03148	0.49741	0.018299	0.69327	0.068722	0.13811
0.00121	0.024779	0.59326	-0.13561	0.00332	0.002247	0.96138	0.089738	0.05263
0.62797	0.00636	0.89097	-0.20563	7.47E-06	-0.02924	0.52844	0.033659	0.46806
4.24E-05	-0.21371	3.16E-06	-0.27038	2.88E-09	-0.11641	0.01182	-0.29533	7.47E-11
0.00049	-0.07462	0.10729	-0.00162	0.9722	0.083427	0.07168	-0.0418	0.36742
0.22325	0.080348	0.08283	-0.13983	0.00246	0.005594	0.90404	0.171415	0.0002
6.10E-05	0.008196	0.85979	0.112388	0.0151	0.018841	0.68467	0.003389	0.94177
5.47E-26	0.007517	0.8713	-0.08434	0.06861	-0.0616	0.18389	0.018903	0.68368
3.45E-05	-0.11812	0.01063	-0.11052	0.01688	-0.14686	0.00146	-0.15893	0.00057

7.98E-14	0.034466	0.45746	-0.08845	0.05612	0.010132	0.82714	0.091371	0.04845
0.91899	-0.04313	0.35235	-0.16736	0.00028	0.168129	0.00026	0.133535	0.00384
0.00816	-0.11696	0.01142	-0.1821	7.57E-05	-0.04666	0.31433	-0.16324	0.0004
0.84169	0.069267	0.135	0.222972	1.13E-06	0.157014	0.00066	0.165719	0.00032
0.00158	-0.15841	0.00059	-0.15358	0.00087	-0.04079	0.37912	-0.17175	0.00019
7.61E-06	-0.22505	8.94E-07	-0.15893	0.00057	-0.08357	0.07119	-0.30463	1.74E-11
2.11E-09	0.051655	0.26527	-0.16631	0.00031	-0.05192	0.26286	0.004017	0.93101
0.03738	-0.1048	0.02352	-0.07806	0.09199	-0.12969	0.005	-0.18136	8.10E-05
0.38486	-0.0133	0.77432	-0.1097	0.01772	0.029318	0.52739	0.006226	0.89326
0.34493	-0.08248	0.07497	0.146392	0.00151	0.075085	0.10512	-0.02691	0.56185
0.34466	-0.05899	0.2032	-0.12379	0.0074	-0.0089	0.84781	-0.06504	0.16052
0.45734	-0.1437	0.00185	-0.19017	3.53E-05	-0.14452	0.00174	-0.21161	3.97E-06
0.00177	-0.01217	0.79308	-0.11072	0.01668	-0.01244	0.78854	0.015665	0.73563
3.26E-15	0.005877	0.8992	-0.06869	0.13828	-0.10038	0.0301	-0.05037	0.27738
0.0006	-0.02064	0.65645	-0.14195	0.00211	-0.00357	0.93874	-0.01028	0.82467
0.00617	0.080737	0.08135	-0.20274	1.01E-05	-0.09204	0.04682	-0.0102	0.826
0.00574	-0.03713	0.42336	-0.13871	0.00266	-0.04291	0.35488	-0.053	0.25304
1.58E-08	-0.02605	0.5744	-0.11021	0.0172	-0.03519	0.44806	-0.01559	0.73678
1.60E-10	-0.00155	0.97341	-0.12889	0.00528	-0.02805	0.54536	0.013386	0.77295
2.62E-30	0.021301	0.64613	-0.0587	0.20542	-0.02904	0.53134	0.059854	0.19666
0.0711	-0.02037	0.66068	-0.05311	0.252	0.009983	0.82964	0.016129	0.7281
0.32143	-0.04596	0.32164	-0.14843	0.0013	-0.00118	0.9797	-0.04392	0.34363
0.36775	-0.01941	0.67574	-0.08908	0.0544	0.031988	0.49045	0.016405	0.72364
0.02066	-0.05722	0.21713	-0.11062	0.01678	-0.0709	0.12605	-0.09044	0.05081
0.11092	-0.1171	0.01133	-0.18805	4.32E-05	-0.08458	0.06783	-0.15825	0.0006
0.00053	-0.11095	0.01646	0.067158	0.14732	-0.02077	0.6544	-0.08054	0.08209
4.08E-10	0.053498	0.24857	0.023156	0.61769	-0.01332	0.774	0.092441	0.04587
9.70E-08	-0.13122	0.00451	-0.12696	0.00601	-0.18856	4.12E-05	-0.24222	1.16E-07
0.99354	-0.0286	0.53755	-0.13658	0.0031	-0.0797	0.08534	-0.10522	0.02296
0.04838	0.0923	0.0462	-0.16848	0.00025	-0.08489	0.06683	-0.05192	0.26286
3.34E-07	-0.2044	8.50E-06	-0.27838	9.29E-10	-0.3733	6.87E-17	-0.42633	4.78E-22
0.08627	-0.05686	0.22005	-0.04026	0.38541	-0.09772	0.03476	-0.08303	0.07303
0.73411	-0.05754	0.21453	-0.15653	0.00069	-0.04483	0.33376	-0.07162	0.1222
0.93965	-0.07112	0.12485	-0.15911	0.00056	-0.04664	0.31458	-0.1063	0.02159
2.12E-06	-0.02128	0.64644	-0.11494	0.01294	-0.03028	0.51395	-0.09081	0.04986
9.56E-05	-0.00314	0.94605	-0.10579	0.02222	0.049458	0.28616	0.043129	0.35239
0.46371	-0.01178	0.79955	-0.05118	0.2697	0.017058	0.71312	-0.02235	0.63005
0.52106	-0.01041	0.82247	0.048516	0.29545	0.018669	0.68739	-0.01878	0.68564
0.69414	-0.01586	0.73254	0.062199	0.17965	0.07661	0.09822	0.049388	0.28684
0.71309	-0.02169	0.64006	0.023432	0.6135	-0.00054	0.99066	-0.05335	0.24992
0.05107	-0.15626	0.0007	0.044153	0.34106	-0.1297	0.005	-0.18737	4.61E-05
1.28E-07	-0.04865	0.29413	0.000877	0.98492	-0.01121	0.80906	-0.0239	0.60644
2.84E-05	0.141976	0.0021	0.073194	0.11419	0.20788	5.90E-06	0.338247	5.80E-14
0.13814	-0.04349	0.34834	0.245956	7.29E-08	0.2313	4.33E-07	0.16619	0.00031
0.05747	-0.03391	0.46473	-0.17347	0.00016	-0.05629	0.22468	-0.07325	0.1139

0.65794	-0.05627	0.22488	-0.25408	2.58E-08	-0.1015	0.02829	-0.09474	0.04072
2.89E-22	0.216032	2.46E-06	0.155791	0.00073	0.226738	7.37E-07	0.423171	1.03E-21
8.71E-06	0.119035	0.01003	0.004765	0.9182	0.052741	0.25534	0.206763	6.64E-06
1.87E-07	-0.17543	0.00014	-0.24176	1.23E-07	-0.2315	4.23E-07	-0.28684	2.70E-10
0.9655	-0.02437	0.59931	-0.11311	0.01446	0.041836	0.36703	0.026355	0.56996
6.40E-05	-0.27253	2.13E-09	-0.25456	2.43E-08	-0.25956	1.26E-08	-0.47375	1.68E-27
3.89E-07	0.0737	0.11171	-0.03194	0.49112	0.03682	0.42729	0.112253	0.01523
0.09094	-0.08395	0.06991	-0.19131	3.16E-05	-0.13863	0.00268	-0.15526	0.00076
4.80E-12	0.06378	0.16882	-0.07735	0.095	-0.08397	0.06985	0.047877	0.30186
8.53E-05	0.136906	0.00303	0.052193	0.26032	0.227523	6.73E-07	0.296654	6.10E-11
2.16E-06	0.10127	0.02865	-0.03598	0.43794	0.052426	0.25819	0.152566	0.00094
0.00259	0.047463	0.30607	0.040793	0.37911	-0.10373	0.02498	-0.16066	0.00049
0.01261	0.146107	0.00155	-0.18523	5.65E-05	0.049969	0.2812	0.06455	0.16373
0.06473	0.061985	0.18116	-0.14906	0.00123	0.053607	0.24761	0.03083	0.5063
5.44E-13	0.062379	0.1784	-0.13008	0.00487	0.023236	0.61647	0.126823	0.00606
0.04109	-0.05404	0.24384	-0.03675	0.42823	-0.01916	0.67968	-0.11016	0.01725
0.27269	0.084849	0.06695	-0.06955	0.13339	0.090102	0.05167	0.131661	0.00437
7.29E-05	-0.02539	0.58419	-0.17447	0.00015	-0.04609	0.32025	-0.04833	0.29735
3.94E-05	-0.05726	0.21683	-0.21013	4.65E-06	-0.22418	9.88E-07	-0.19121	3.19E-05
0.1971	-0.02762	0.5516	-0.16601	0.00031	-0.05326	0.25067	-0.07271	0.11661
1.68E-05	0.012605	0.78587	-0.10139	0.02846	0.005186	0.91101	0.031077	0.50289
3.94E-10	0.045127	0.33051	-0.01763	0.70393	0.024616	0.59569	0.099297	0.03192
0.00504	0.004364	0.92506	-0.14709	0.00144	-0.03464	0.45518	0.016365	0.7243
2.07E-06	0.01996	0.66703	-0.0566	0.22216	0.016063	0.72918	0.064481	0.16418
2.36E-05	0.039451	0.395	-0.08728	0.05948	0.021022	0.65045	0.108439	0.01908
0.51833	-0.24862	5.21E-08	-0.11326	0.01433	-0.2119	3.85E-06	-0.32278	8.75E-13
1.29E-05	0.029524	0.52448	-0.27431	1.66E-09	0.027157	0.55827	0.05574	0.22927
0.94267	-0.00809	0.86161	-0.18606	5.22E-05	-0.16385	0.00038	-0.20182	1.11E-05
9.14E-05	0.112933	0.01461	0.037648	0.41698	0.165134	0.00034	0.304618	1.75E-11
0.4468	-0.13379	0.00377	-0.07466	0.10712	-0.08107	0.08009	-0.19572	2.05E-05
5.78E-07	-0.00603	0.89666	-0.046	0.32122	0.06359	0.1701	-0.00157	0.97308
0.34256	-0.05798	0.21102	-0.14257	0.00201	-0.01732	0.70898	-0.05008	0.28016
0.00011	-0.01284	0.7819	-0.07858	0.08985	-0.03273	0.48049	-0.01374	0.76713
0.0057	-0.03442	0.45802	-0.24089	1.37E-07	-0.24389	9.44E-08	-0.26752	4.28E-09
8.57E-14	0.011205	0.80916	-0.02709	0.5592	0.020034	0.66587	0.017947	0.69889
6.89E-06	0.225154	8.84E-07	-0.04293	0.35463	0.015088	0.74503	0.250137	4.29E-08
0.48424	-0.11453	0.01326	-0.05737	0.21591	-0.0767	0.0978	-0.15329	0.00089
0.39436	-0.05684	0.2202	-0.03218	0.48786	0.061243	0.18644	0.024485	0.59764
0.98961	-0.09095	0.0495	-0.21938	1.70E-06	-0.13503	0.00346	-0.13939	0.00254
4.41E-06	0.049852	0.28233	-0.1385	0.0027	-0.01543	0.73951	-0.01888	0.68404
0.00799	-0.03599	0.43776	-0.18182	7.76E-05	-0.07798	0.09232	-0.02064	0.65641
0.01386	-0.14375	0.00184	0.065289	0.15894	-0.18689	4.83E-05	-0.21363	3.19E-06
0.77449	-0.059	0.20316	0.231864	4.05E-07	0.026632	0.56591	0.039124	0.39893
0.01391	-0.23907	1.71E-07	-0.1822	7.50E-05	-0.14973	0.00117	-0.26115	1.02E-08
0.33605	0.173518	0.00016	0.054444	0.24029	0.10411	0.02445	0.161101	0.00047

0.43073	-0.06702	0.14818	-0.22772	6.58E-07	-0.14751	0.00139	-0.14235	0.00205
0.007	-0.05684	0.22018	-0.11569	0.01236	-0.05299	0.2531	-0.00658	0.88728
0.92281	0.172247	0.00018	0.063926	0.16785	0.103937	0.02469	0.205285	7.75E-06
0.01865	0.044335	0.33908	0.152713	0.00093	0.261821	9.28E-09	0.233356	3.40E-07
0.61699	0.044751	0.33456	-0.15408	0.00084	0.008784	0.84984	0.082904	0.07348
0.00103	-0.07941	0.08651	-0.25095	3.87E-08	-0.18098	8.39E-05	-0.21195	3.82E-06
0.79712	-0.06406	0.16694	-0.042	0.36518	0.034055	0.46284	-0.05853	0.20675
0.39404	0.145589	0.00161	0.049714	0.28367	0.14606	0.00155	0.169415	0.00024
1.44E-19	-0.0344	0.45834	-0.0666	0.15074	-0.12782	0.00567	-0.14887	0.00125
2.41E-05	0.103901	0.02474	-0.03987	0.38998	0.024656	0.59508	0.08182	0.07733
0.01229	-0.02077	0.65432	-0.14044	0.00235	-0.01544	0.73937	-0.00102	0.98245
0.3777	0.066776	0.14965	0.059919	0.19617	0.06857	0.13899	0.14585	0.00158
0.57555	0.33019	2.43E-13	0.113772	0.01389	0.262542	8.43E-09	0.448221	1.85E-24
0.1405	0.024288	0.6006	-0.00057	0.99022	-0.03931	0.39665	0.029313	0.52746
0.62847	-0.07224	0.119	-0.1279	0.00564	0.018135	0.69588	-0.06198	0.18118
0.25489	-0.02641	0.56912	-0.09559	0.03894	-0.00572	0.90181	-0.08764	0.05844
0.01	-0.11604	0.01209	-0.01449	0.75481	0.020648	0.65628	-0.0254	0.58408
0.17494	0.007063	0.87901	-0.12827	0.0055	0.03729	0.42141	0.03792	0.41361
4.85E-20	0.213916	3.09E-06	0.138779	0.00265	0.237874	1.98E-07	0.431143	1.46E-22
0.12615	-0.11013	0.01727	-0.21289	3.46E-06	-0.16852	0.00025	-0.21157	3.98E-06
0.47651	0.029711	0.52187	0.074939	0.1058	0.045594	0.32553	0.03057	0.5099
1.83E-07	0.171706	0.00019	-0.05422	0.24222	0.048774	0.29288	0.210603	4.42E-06
0.81975	-0.07784	0.09294	-0.15579	0.00073	-0.02863	0.53709	-0.0898	0.05246
2.10E-08	0.02187	0.63735	-0.21348	3.24E-06	-0.03961	0.39312	-0.05332	0.25012
0.00211	-0.04224	0.36237	-0.09533	0.03946	-0.08277	0.07396	-0.01856	0.68918
0.30182	-0.0504	0.27705	-0.09227	0.04628	0.047214	0.30862	0.00109	0.98125
3.08E-17	-0.0304	0.51232	-0.11392	0.01377	-0.14683	0.00146	-0.1202	0.00932
0.43194	0.164117	0.00037	0.115065	0.01284	-0.13162	0.00438	-0.07183	0.12113
5.42E-22	-0.04055	0.38193	-0.08505	0.06629	-0.17013	0.00022	-0.10393	0.0247
0.98213	0.06599	0.15451	-0.08028	0.08308	0.103503	0.0253	0.143744	0.00184
0.03945	-0.05922	0.20146	-0.17941	9.68E-05	-0.1083	0.01923	-0.14189	0.00211
1.09E-06	-0.03993	0.38924	-0.18827	4.23E-05	-0.03921	0.39785	-0.02764	0.55129
0.23948	-0.08929	0.05383	-0.12763	0.00574	0.009542	0.83705	-0.04432	0.33928
0.30373	-0.05256	0.257	-0.18341	6.70E-05	-0.03299	0.47694	-0.0533	0.25035
0.25481	-0.00387	0.9336	-0.04143	0.37172	-0.06621	0.15311	-0.05902	0.203
0.13297	-0.01896	0.68283	-0.09476	0.04066	-0.07752	0.09427	-0.01647	0.72265
0.7386	0.006618	0.88657	0.052858	0.25429	0.040677	0.38047	0.117192	0.01126
0.8209	-0.06123	0.18652	-0.13111	0.00454	0.020218	0.663	-0.05061	0.27505
0.18292	-0.00844	0.85565	-0.05737	0.21587	-0.1143	0.01346	-0.02423	0.60144
0.01893	-0.07409	0.10983	-0.08484	0.06698	-0.09006	0.05179	-0.13318	0.00394
1.22E-48	0.130608	0.0047	-0.02185	0.63768	-0.03565	0.4422	0.120125	0.00937
2.16E-20	0.117499	0.01105	0.035387	0.44552	-0.02835	0.5411	0.17057	0.00021
0.06861	0.023541	0.61185	-0.1116	0.01583	-0.04017	0.38648	0.042549	0.35891
0.97265	-0.21738	2.12E-06	-0.28107	6.30E-10	-0.36967	1.44E-16	-0.45874	1.11E-25
0.02186	-0.0315	0.49714	-0.01327	0.77481	-0.06335	0.17175	0.000666	0.98856

0.14539	0.006106	0.89531	-0.1414	0.00219	-0.05583	0.22854	-0.03797	0.41296
3.00E-06	-0.21129	4.11E-06	-0.26189	9.20E-09	-0.36877	1.72E-16	-0.399	2.84E-19
0.14299	-0.0664	0.15197	-0.06423	0.1658	0.004956	0.91493	-0.07226	0.1189
8.41E-05	0.041429	0.37171	0.018218	0.69455	-0.01891	0.68363	-0.00308	0.94712
0.81114	0.025812	0.57793	-0.15017	0.00113	0.032987	0.47701	0.028226	0.54288
0.16859	0.033633	0.46841	-0.00789	0.86499	0.084207	0.06905	0.095957	0.03818
6.91E-22	0.003272	0.94378	-0.18987	3.63E-05	-0.13783	0.00284	-0.03908	0.39942
0.02759	-0.04017	0.38645	-0.06456	0.16363	-0.05165	0.26534	-0.06166	0.18349
5.79E-05	-0.04235	0.36114	-0.17125	0.0002	-0.06702	0.14814	-0.0751	0.10503
5.21E-05	-0.05132	0.2684	-0.24275	1.09E-07	-0.13829	0.00275	-0.16523	0.00034
0.00122	0.133846	0.00376	0.356795	1.82E-15	0.204934	8.03E-06	0.335657	9.23E-14
0.02106	0.052772	0.25506	-0.11934	0.00984	-0.00551	0.90548	-0.01046	0.82168
3.54E-16	-0.03409	0.46236	0.089671	0.05281	-0.07147	0.123	-0.0293	0.52763
4.99E-05	0.096457	0.03718	0.025515	0.58232	0.274251	1.67E-09	0.305986	1.40E-11
2.07E-06	0.102671	0.02651	-0.01692	0.71532	0.083493	0.07145	0.130742	0.00466
0.00172	-0.05019	0.27906	-0.12397	0.00731	-0.0797	0.08534	-0.15266	0.00093
0.18475	-0.15995	0.00052	0.186708	4.91E-05	-0.08316	0.0726	-0.16162	0.00045
0.94996	-0.11955	0.00971	-0.1441	0.0018	-0.13074	0.00465	-0.21037	4.53E-06
0.31003	-0.06687	0.14907	-0.08279	0.07389	-0.01512	0.74454	-0.13289	0.00402
0.08292	0.032473	0.48389	-0.06194	0.18146	-0.01816	0.69544	0.007314	0.87474
4.32E-05	-0.00357	0.93862	-0.02151	0.6429	0.031038	0.50343	0.009042	0.84548
0.07362	-0.22217	1.24E-06	-0.22754	6.72E-07	-0.17796	0.00011	-0.30748	1.11E-11
0.75036	-0.07135	0.12364	-0.16015	0.00051	-0.08279	0.07388	-0.13781	0.00284
0.00084	0.021066	0.64978	-0.16022	0.00051	-0.02801	0.54602	-0.04508	0.33105
0.0007	-0.04936	0.28713	-0.10849	0.01902	-0.02979	0.52073	-0.05495	0.23593
1.91E-20	0.000496	0.99147	-0.05058	0.27533	-0.06702	0.14819	0.008507	0.85452
5.27E-10	0.048163	0.29898	-0.04562	0.32529	0.032385	0.48508	0.164649	0.00035
0.89908	0.070286	0.12935	0.23863	1.80E-07	0.166956	0.00029	0.215436	2.62E-06
0.02266	-0.12378	0.00741	-0.1074	0.02026	0.014329	0.75745	-0.15764	0.00063
0.00211	0.03057	0.5099	-0.16348	0.00039	-0.04903	0.29036	0.024551	0.59667
0.97517	-0.13557	0.00333	0.133209	0.00393	0.159268	0.00055	0.020809	0.65378
8.49E-07	0.129701	0.005	0.094814	0.04055	0.184957	5.80E-05	0.259521	1.26E-08
0.10873	-0.14961	0.00118	0.004832	0.91706	-0.15656	0.00069	-0.22434	9.70E-07
0.14308	-0.04492	0.3327	-0.16095	0.00048	-0.12018	0.00933	-0.17332	0.00017
0.77741	-0.05729	0.21655	-0.13231	0.00418	0.016019	0.7299	-0.05142	0.26744
0.15328	-0.03572	0.44123	-0.13769	0.00287	-0.07883	0.08883	-0.13534	0.00338
0.00025	0.133093	0.00396	0.143064	0.00194	0.207626	6.06E-06	0.295111	7.73E-11
0.10373	0.050406	0.27702	-0.05485	0.23682	0.056694	0.22138	0.037926	0.41354
0.60218	-0.12822	0.00552	0.185333	5.59E-05	0.04397	0.34307	-0.02076	0.6546
0.22909	-0.0344	0.45832	-0.20715	6.37E-06	-0.00231	0.96026	-0.06496	0.16106
1.76E-06	-0.00649	0.88876	-0.14413	0.00179	-0.04292	0.35471	-0.03298	0.47711
2.19E-24	0.034282	0.45987	-0.03998	0.38871	0.022627	0.62574	-0.00542	0.90705
0.53915	0.025353	0.58472	-0.09041	0.05088	-0.06825	0.14085	-0.0283	0.54187
0.14345	0.010906	0.81416	-0.08203	0.07657	-0.14766	0.00137	-0.10517	0.02303
3.88E-11	0.073499	0.11269	-0.00019	0.99672	-0.01823	0.69442	0.054336	0.24123



0.29777	-0.08668	0.06125	0.062429	0.17804	0.017832	0.70072	0.026204	0.57217
0.37405	0.084935	0.06668	0.047577	0.3049	-0.00131	0.97752	0.084052	0.06957
0.13205	-0.09685	0.03642	-0.01103	0.81204	-0.06497	0.161	-0.12735	0.00585
0.73674	-0.13353	0.00384	-0.1448	0.0017	-0.07854	0.09002	-0.23157	4.20E-07
0.01414	-0.02599	0.57525	-0.1927	2.76E-05	-0.07325	0.11392	-0.04085	0.37844
1.90E-06	-0.01308	0.77795	-0.20351	9.32E-06	-0.09514	0.03986	-0.12471	0.00697
0.00045	0.14656	0.00149	0.00493	0.91538	0.049666	0.28413	0.183035	6.94E-05
0.33509	0.117922	0.01076	-0.14049	0.00234	-0.05607	0.22655	-0.08128	0.07932
1.60E-09	0.064944	0.16116	-0.00177	0.96955	0.043392	0.34945	0.131671	0.00437
3.32E-08	0.056741	0.22099	-0.02945	0.5255	-0.01697	0.71455	0.019609	0.67254
8.47E-08	0.066438	0.15172	0.044778	0.33427	0.10381	0.02487	0.162664	0.00042
0.00039	0.022174	0.63268	0.085509	0.06485	0.110776	0.01663	0.12766	0.00573
0.01629	0.080637	0.08173	-0.01777	0.70171	0.041674	0.36889	0.127489	0.0058
0.16304	-0.15665	0.00068	-0.08281	0.07382	-0.15988	0.00052	-0.26394	6.98E-09
0.45997	-0.1449	0.00169	-0.07391	0.1107	-0.02533	0.58503	-0.12659	0.00616
0.64722	-0.02977	0.52099	0.032984	0.47704	0.097714	0.03477	-0.00258	0.95558
6.07E-07	0.048417	0.29644	-0.10461	0.02377	-0.00766	0.86881	0.015672	0.73553
0.00251	0.003965	0.93189	0.187335	4.63E-05	-0.12774	0.0057	-0.04937	0.28703
0.49404	0.073499	0.11269	-0.07888	0.08864	0.015455	0.73904	0.127063	0.00597
4.47E-09	0.239159	1.69E-07	0.073903	0.11072	0.278829	8.71E-10	0.450279	1.08E-24
0.54938	0.064974	0.16097	0.060198	0.19409	0.196592	1.88E-05	0.256518	1.88E-08
0.92149	-0.02713	0.55873	0.102084	0.02739	-0.11004	0.01737	-0.05873	0.20521
0.18653	-0.02921	0.5289	0.055009	0.23543	0.202951	9.86E-06	0.078092	0.09186
5.01E-08	-0.06341	0.17132	-0.20512	7.88E-06	-0.02868	0.53642	0.008721	0.8509
0.06314	-0.06231	0.17889	-0.20474	8.20E-06	-0.12947	0.00508	-0.12152	0.00857
0.00034	0.003136	0.94611	-0.0785	0.09019	0.081237	0.07947	0.1139	0.01378
0.49469	0.200147	1.31E-05	-0.10826	0.01928	-0.0796	0.08574	-0.0319	0.49165
0.74329	-0.01368	0.76814	-0.07836	0.09075	0.015755	0.73417	-0.0017	0.9708
0.00299	0.248513	5.28E-08	0.211415	4.05E-06	0.151788	0.001	0.254097	2.58E-08
8.67E-08	0.032174	0.48793	-0.05327	0.2506	0.153711	0.00086	0.11692	0.01145
0.5835	0.261679	9.46E-09	-0.08155	0.07832	-0.05053	0.27579	0.018569	0.68898
0.52168	0.040879	0.37811	-0.13351	0.00385	0.033089	0.47564	0.047243	0.30832
0.00256	0.22487	9.13E-07	0.044841	0.33359	0.248947	5.00E-08	0.368446	1.84E-16
6.73E-26	0.046996	0.31085	-0.04343	0.34906	0.003095	0.94682	0.086746	0.06105
0.10986	0.040482	0.38276	-0.07428	0.10892	-0.04928	0.28792	-0.04827	0.29788
0.696	-0.11272	0.0148	0.030983	0.50419	0.029157	0.52966	-0.08792	0.05764
0.00038	0.010044	0.82861	-0.02972	0.52169	-0.05786	0.21202	-0.03594	0.43844
1.21E-18	0.065623	0.15682	-0.05262	0.25642	0.02866	0.5367	0.0282	0.54326
0.52919	-0.06501	0.16074	0.118447	0.01041	0.115685	0.01236	-0.01426	0.75864
0.10344	0.029183	0.52929	0.081373	0.07897	0.081633	0.07802	0.112282	0.0152
0.00031	0.036739	0.42832	0.162287	0.00043	0.113656	0.01399	0.194208	2.38E-05
0.37483	0.057622	0.2139	-0.04568	0.32462	0.104693	0.02366	0.172517	0.00018
0.00697	-0.00659	0.88705	-0.16224	0.00043	-0.01341	0.77254	-0.02459	0.59608
0.00343	0.032459	0.48408	0.299936	3.66E-11	0.170109	0.00022	0.105896	0.02209
0.76249	-0.18154	7.96E-05	0.058171	0.20956	-0.14155	0.00217	-0.223	1.13E-06

0.30157	-0.12411	0.00725	-0.04179	0.36759	-0.0662	0.15319	-0.1815	8.00E-05
0.12309	-0.17339	0.00017	-0.14868	0.00127	-0.23278	3.64E-07	-0.28845	2.12E-10
0.00137	0.020495	0.65866	-0.13932	0.00255	-0.01465	0.75222	-0.07051	0.12811
0.79848	-0.16066	0.00049	-0.16467	0.00035	-0.12149	0.00859	-0.16314	0.0004
0.00227	-0.13612	0.0032	-0.1153	0.01266	-0.06818	0.14123	-0.08021	0.08334
0.04343	-0.14048	0.00234	-0.18955	3.74E-05	-0.09543	0.03927	-0.11535	0.01262
0.61943	-0.18331	6.76E-05	-0.16306	0.0004	-0.13962	0.00249	-0.21835	1.90E-06
0.62795	-0.20495	8.02E-06	-0.15345	0.00088	-0.14028	0.00238	-0.22659	7.50E-07
0.8861	-0.08253	0.07481	-0.2407	1.40E-07	-0.04337	0.34968	-0.11222	0.01525
0.404	-0.00156	0.97313	-0.13798	0.00281	-0.06269	0.17622	-0.04057	0.38173
0.01089	-0.08837	0.05635	-0.03072	0.50777	-0.06484	0.16181	-0.163	0.00041
0.04499	-0.01681	0.71714	-0.08845	0.05612	0.035786	0.4404	-0.0197	0.67118
0.58733	0.302629	2.40E-11	0.048061	0.3	0.315012	3.23E-12	0.448893	1.55E-24
2.56E-06	-0.01658	0.72082	-0.06702	0.14819	-0.02868	0.5364	0.020241	0.66262
3.88E-16	0.17425	0.00015	0.059002	0.20311	0.203984	8.87E-06	0.303806	1.99E-11
0.595	-0.02554	0.58192	-0.13432	0.00364	0.006277	0.89239	-0.05864	0.20587
0.14652	0.044344	0.33898	-0.12661	0.00615	-0.12112	0.00879	-0.09486	0.04046
0.52789	0.027032	0.5601	0.003337	0.94267	0.014077	0.76159	0.049311	0.28759
0.18077	-0.01137	0.80636	-0.23005	5.02E-07	-0.14743	0.0014	-0.10685	0.02092
0.00116	-0.0955	0.03912	-0.13127	0.00449	-0.19158	3.08E-05	-0.17931	9.77E-05
0.18623	0.005851	0.89966	-0.13832	0.00274	-0.02776	0.54961	-0.03296	0.47734
0.00088	-0.17257	0.00018	-0.20991	4.76E-06	-0.11897	0.01008	-0.21062	4.41E-06
0.70999	0.059105	0.20232	-0.03773	0.41601	0.012259	0.7916	0.120355	0.00923
0.1817	0.001923	0.96695	-0.04605	0.32075	-0.09803	0.03418	0.039097	0.39925
0.00786	-0.00023	0.99604	-0.06489	0.16153	-0.01444	0.75561	0.071537	0.12264
3.86E-09	0.088334	0.05645	0.076041	0.10075	0.109003	0.01846	0.220315	1.53E-06
0.01754	0.065552	0.15727	0.005832	0.89997	0.083648	0.07092	0.077438	0.09463
4.05E-10	-0.01598	0.73054	-0.1817	7.85E-05	-0.03796	0.4131	0.011618	0.80228
0.22507	0.028549	0.53828	-0.20231	1.05E-05	-0.03228	0.48644	0.021442	0.64396
0.00107	-0.05096	0.27172	-0.03825	0.40953	0.046181	0.31933	-0.01028	0.82467
0.9374	-0.13073	0.00466	-0.10398	0.02463	-0.0981	0.03405	-0.24297	1.06E-07
0.81838	-0.03169	0.49452	-0.04449	0.33743	0.013421	0.77237	-0.04117	0.37476
8.33E-11	0.025231	0.58653	-0.09074	0.05002	0.020408	0.66002	0.014966	0.74703
0.05666	-0.02846	0.5396	-0.13574	0.00329	0.001875	0.96776	-0.00241	0.9585
7.36E-17	0.021565	0.64206	0.06983	0.13186	0.158619	0.00058	0.178676	0.0001
0.03035	0.059526	0.19912	0.039874	0.38995	0.059511	0.19924	0.119202	0.00993
0.0502	-0.02866	0.53674	-0.10116	0.02882	-0.02543	0.5836	-0.03929	0.39697
5.68E-29	0.099344	0.03184	0.034456	0.45759	-0.01355	0.77027	0.137661	0.00287
3.95E-06	-0.00323	0.94446	0.039864	0.39007	0.183697	6.52E-05	0.110456	0.01695
0.00133	-0.04651	0.31593	-0.3186	1.78E-12	-0.32943	2.78E-13	-0.22503	8.97E-07
0.68169	-0.10317	0.02578	-0.28607	3.02E-10	-0.19108	3.23E-05	-0.25727	1.70E-08
0.36572	-0.02701	0.56035	0.017263	0.70983	-0.02314	0.61792	-0.00911	0.84442
0.03636	0.077065	0.09623	-0.22727	6.93E-07	-0.1508	0.00108	-0.10211	0.02735
2.36E-10	-0.01692	0.71534	-0.01363	0.76887	-0.07795	0.09248	-0.02595	0.5759
0.02233	-0.03949	0.3945	-0.05642	0.2236	-0.06961	0.1331	-0.00177	0.96949

0.00733	0.031948	0.49099	0.042843	0.3556	-0.03652	0.43111	-0.06114	0.1872
2.34E-05	-0.02935	0.52697	-0.09873	0.03292	-0.0199	0.66793	-0.03249	0.48363
0.16497	-0.07799	0.0923	-0.19807	1.62E-05	-0.05354	0.2482	-0.09266	0.04535
0.37037	-0.04277	0.35641	-0.0653	0.15886	0.044327	0.33917	-0.06003	0.19533
9.36E-07	0.009086	0.84475	-0.09818	0.03391	0.104045	0.02454	0.071403	0.12335
1.56E-05	-0.05086	0.27273	-0.27652	1.21E-09	-0.21249	3.61E-06	-0.14243	0.00203
1.79E-07	-0.1842	6.22E-05	-0.01924	0.6784	-0.1241	0.00725	-0.21759	2.07E-06
0.10845	-0.09636	0.03738	-0.04402	0.34253	0.038294	0.40902	-0.01631	0.72517
0.00026	-0.01968	0.67144	-0.1175	0.01105	-0.00814	0.86068	-0.041	0.37672
0.07865	-0.13703	0.003	-0.1437	0.00185	-0.26479	6.22E-09	-0.25704	1.75E-08
0.13776	0.058076	0.21031	-0.03911	0.39912	-0.02849	0.53916	-0.02058	0.65729
4.57E-16	0.269168	3.41E-09	-0.02637	0.56968	0.12523	0.00674	0.353984	3.12E-15
0.00789	0.109937	0.01747	0.162435	0.00042	0.505607	1.13E-31	0.528823	5.26E-35
0.00031	-0.04245	0.36001	-0.11653	0.01173	-0.01394	0.76387	-0.03341	0.4713
0.00691	0.167885	0.00027	-0.01203	0.79536	0.127665	0.00573	0.265141	5.92E-09
0.00145	-0.04177	0.3678	0.267138	4.51E-09	0.186543	4.99E-05	0.157674	0.00063
0.00075	0.048627	0.29434	-0.13351	0.00385	-0.09811	0.03404	-0.02169	0.64007
0.0001	-0.05437	0.24089	0.01361	0.76927	-0.04904	0.29027	-0.0026	0.95524
1.41E-46	0.126493	0.0062	0.1046	0.02379	0.066228	0.15302	0.200284	1.30E-05
0.98859	-0.15563	0.00074	-0.20972	4.85E-06	-0.03393	0.46453	-0.09792	0.03438
0.00116	0.007864	0.8654	-0.23081	4.59E-07	-0.14553	0.00161	-0.14006	0.00242
1.49E-06	0.224216	9.84E-07	0.048608	0.29453	0.254314	2.50E-08	0.385839	5.01E-18
2.62E-06	0.037269	0.42168	-0.0215	0.64312	0.075831	0.1017	0.140587	0.00233
1.38E-11	0.001786	0.9693	0.165503	0.00033	0.146711	0.00148	0.200905	1.22E-05
6.12E-13	-0.09363	0.04314	-0.03633	0.43342	-0.19618	1.96E-05	-0.16964	0.00023
0.47509	-0.06192	0.18161	-0.22178	1.30E-06	-0.16748	0.00028	-0.18063	8.66E-05
0.00047	0.045281	0.32887	-0.13775	0.00285	-0.00308	0.94704	0.084898	0.0668
0.1451	0.107779	0.01982	0.032129	0.48854	0.250358	4.17E-08	0.296836	5.93E-11
0.69664	-0.03597	0.43809	-0.13792	0.00282	0.015041	0.74579	-0.01772	0.70243
4.91E-05	-0.15518	0.00077	-0.17996	9.21E-05	-0.33311	1.45E-13	-0.30022	3.50E-11
3.44E-20	-0.03723	0.42217	0.018654	0.68763	-0.09265	0.04539	-0.00561	0.90384
0.00114	-0.00878	0.84988	-0.10584	0.02216	-0.05553	0.23101	-0.00533	0.90856
0.92617	-0.17537	0.00014	-0.21505	2.74E-06	-0.19419	2.38E-05	-0.26993	3.07E-09
6.69E-14	0.014185	0.75981	-0.08418	0.06915	-0.03722	0.42227	-0.04171	0.3685
0.00113	-0.10911	0.01835	-0.2613	9.96E-09	-0.20458	8.34E-06	-0.2808	6.55E-10
1.16E-07	0.139294	0.00255	0.127339	0.00586	0.210425	4.51E-06	0.230721	4.64E-07
0.00023	0.138167	0.00277	-0.17336	0.00017	-0.07321	0.11412	0.079573	0.08585
6.44E-10	0.118649	0.01028	0.006627	0.88642	0.050171	0.27926	0.129954	0.00491
1.57E-06	-0.01628	0.72574	-0.02456	0.59655	0.153398	0.00088	0.041201	0.37435
0.0773	-0.11059	0.01681	-0.17178	0.00019	-0.01933	0.67698	-0.0918	0.04741
0.00936	-0.01154	0.80359	-0.02234	0.63011	-0.06217	0.17984	-0.01223	0.79207
0.51213	-0.02608	0.57397	-0.16998	0.00022	-0.03728	0.42155	-0.04807	0.29987
0.60258	0.315478	2.99E-12	0.042828	0.35577	0.284025	4.09E-10	0.437784	2.75E-23
0.00025	0.013802	0.7661	-0.15232	0.00096	-0.03363	0.46848	-0.08842	0.05622
1.65E-08	-0.04071	0.38012	0.000208	0.99643	-0.03731	0.42122	-0.11559	0.01243

0.00675	-0.07354	0.1125	-0.20988	4.78E-06	-0.14076	0.0023	-0.17733	0.00012
9.65E-11	0.229472	5.37E-07	0.203749	9.08E-06	0.304343	1.83E-11	0.488546	2.19E-29
7.82E-10	-0.01773	0.70229	-0.12782	0.00567	-0.04822	0.2984	-0.02351	0.61238
0.97268	-0.08357	0.0712	-0.19013	3.54E-05	-0.0248	0.59288	-0.0809	0.08072
3.06E-27	0.077042	0.09633	-0.14536	0.00163	-0.08625	0.06256	0.060011	0.19548
0.4226	0.008647	0.85215	-0.24215	1.17E-07	-0.25152	3.59E-08	-0.21803	1.97E-06
0.95833	-0.00587	0.89933	-0.18738	4.61E-05	-0.05831	0.20845	-0.05427	0.24178
1.19E-08	-0.05682	0.22032	-0.05126	0.2689	-0.14058	0.00233	-0.15236	0.00096
5.51E-06	0.007303	0.87493	-0.09246	0.04584	-0.02086	0.65295	0.025602	0.58103
0.66466	0.021723	0.63961	-0.0988	0.03279	-0.04005	0.3879	-0.06839	0.14001
0.0878	0.040253	0.38545	-0.09394	0.04245	0.044469	0.33761	0.049895	0.28192
0.22331	-0.01287	0.78153	-0.2217	1.31E-06	-0.17916	9.91E-05	-0.10317	0.02577
0.26681	-0.03117	0.50157	-0.04397	0.34307	0.01876	0.68595	-0.00505	0.91331
1.07E-07	-0.08447	0.06817	-0.1192	0.00993	-0.07581	0.10177	-0.10655	0.02128
0.18377	-0.09702	0.03608	-0.13526	0.0034	-0.09171	0.04763	-0.0862	0.0627
0.02537	-0.01394	0.76375	-0.1015	0.02829	-0.03246	0.48413	-0.06847	0.13955
6.98E-14	0.042203	0.36283	-0.10222	0.02718	-0.0014	0.97596	0.039592	0.39331
0.70549	-0.04491	0.33288	-0.11069	0.01671	0.05696	0.21922	0.011418	0.8056
0.97231	0.160872	0.00048	0.164828	0.00035	0.114077	0.01364	0.192497	2.81E-05
0.19874	-0.03143	0.49811	-0.11196	0.01549	0.004719	0.91899	-0.02864	0.53699
0.1092	-0.03838	0.40792	-0.17599	0.00013	-0.02259	0.62636	-0.05502	0.23533
0.15557	0.006297	0.89205	-0.13779	0.00285	-0.05729	0.21652	-0.01106	0.81152
2.24E-12	0.141175	0.00223	-0.05974	0.19751	0.031425	0.49813	0.194113	2.40E-05
0.32204	-0.03277	0.47994	-0.06492	0.16131	0.028837	0.53419	-0.0354	0.44533
0.87247	-0.00483	0.9171	0.069211	0.13532	0.004329	0.92566	0.060763	0.18993
0.74345	-0.05146	0.26705	-0.23077	4.61E-07	-0.11506	0.01284	-0.12447	0.00708
0.53126	-0.08606	0.06313	-0.1256	0.00657	0.000532	0.99086	-0.08121	0.07959
0.16052	0.004549	0.9219	-0.06549	0.15769	0.074209	0.10925	0.064483	0.16416
4.40E-06	0.173647	0.00016	0.172439	0.00018	0.160069	0.00052	0.33203	1.76E-13
0.31263	-0.12803	0.00559	-0.25887	1.38E-08	-0.22591	8.11E-07	-0.28229	5.27E-10
0.00015	-0.05508	0.23483	-0.10243	0.02686	-0.05872	0.2053	-0.06517	0.15972
7.78E-06	0.026706	0.56483	-0.09364	0.04312	0.004592	0.92117	0.050112	0.27982
0.9751	-0.05284	0.25447	-0.16527	0.00033	-0.006	0.89713	-0.06869	0.13832
0.10681	-0.05092	0.27217	-0.25839	1.47E-08	-0.17776	0.00011	-0.20098	1.21E-05
0.13032	-0.01184	0.79852	-0.12606	0.00638	-0.00101	0.98264	-0.0268	0.56348
2.53E-13	-0.01057	0.81973	-0.07287	0.1158	-0.0524	0.25844	0.022066	0.63433
1.67E-07	0.00547	0.90616	-0.10492	0.02335	-0.09314	0.04424	-0.01108	0.81129
0.56248	-0.04252	0.35926	-0.16706	0.00029	-0.06662	0.15058	-0.08048	0.08232
1.04E-07	-0.18047	8.79E-05	-0.16879	0.00025	-0.2247	9.31E-07	-0.31648	2.53E-12
0.98082	-0.08968	0.05279	-0.07103	0.12533	0.03226	0.48677	-0.09653	0.03705
0.01611	-0.07011	0.13032	-0.00041	0.99296	0.057572	0.2143	-0.08764	0.05843
0.11641	-0.14455	0.00174	-0.22951	5.34E-07	-0.04706	0.31024	-0.17154	0.0002
5.82E-08	0.063467	0.17092	0.010429	0.82215	0.036185	0.43531	0.194296	2.36E-05
1.38E-07	0.122382	0.00811	-0.08826	0.05666	0.073859	0.11093	0.1971	1.79E-05
8.98E-07	-0.14894	0.00125	0.100534	0.02984	0.09328	0.04393	0.068667	0.13843

5.31E-23	0.006945	0.88102	-0.0952	0.03974	-0.06453	0.16383	-0.00687	0.8823
0.12036	0.189765	3.67E-05	0.252908	3.01E-08	0.318782	1.72E-12	0.387641	3.41E-18
0.02368	-0.03928	0.39704	-0.12914	0.00519	-0.01102	0.81221	-0.02321	0.61694
0.50293	0.167904	0.00027	0.068599	0.13882	0.326613	4.53E-13	0.405222	6.98E-20
0.15919	0.060844	0.18934	0.140635	0.00232	0.141397	0.00219	0.126385	0.00624
0.7592	-0.16398	0.00037	-0.28426	3.95E-10	-0.29341	1.00E-10	-0.30398	1.93E-11
0.06458	-0.02292	0.62125	-0.17078	0.00021	-0.20508	7.92E-06	-0.11717	0.01127
0.55376	0.12108	0.00881	0.002935	0.94956	0.186877	4.83E-05	0.204309	8.57E-06
0.47715	0.001173	0.97982	-0.12567	0.00654	-0.00822	0.85935	0.02124	0.64708
0.46388	0.047234	0.3084	0.081005	0.08034	0.031131	0.50215	0.06462	0.16327
0.00142	0.063927	0.16784	0.060895	0.18897	-0.09684	0.03644	-0.00375	0.93553
0.46777	0.11615	0.01201	0.231654	4.16E-07	0.033032	0.47639	0.10598	0.02199
0.18265	-0.08519	0.06586	-0.17369	0.00016	-0.05328	0.25054	-0.14929	0.00121
0.19546	0.023286	0.61572	-0.11507	0.01284	0.024301	0.60041	0.070653	0.12735
6.69E-10	0.051921	0.26281	-0.0747	0.10691	-0.02272	0.6244	0.080075	0.08389
0.85817	-0.13291	0.00401	-0.19555	2.08E-05	-0.18517	5.68E-05	-0.26243	8.56E-09
0.00765	-0.0489	0.29168	-0.1525	0.00095	-0.11324	0.01435	-0.04829	0.29772
2.11E-05	0.091912	0.04713	-0.04148	0.37109	0.084337	0.06862	0.212879	3.46E-06
1.08E-06	-0.05281	0.25471	-0.04542	0.32736	-0.05995	0.19592	-0.11225	0.01522
1.58E-05	-0.04736	0.3071	-0.2321	3.94E-07	-0.21433	2.96E-06	-0.23756	2.05E-07
0.01589	-0.05005	0.2804	-0.25326	2.87E-08	-0.16556	0.00033	-0.12817	0.00554
0.00381	0.035091	0.44934	-0.06558	0.1571	0.05927	0.20106	0.161019	0.00048
1.99E-09	0.173271	0.00017	-0.06337	0.17161	0.125722	0.00652	0.204546	8.36E-06
5.40E-05	-0.12929	0.00514	-0.11741	0.01111	-0.04528	0.32887	-0.14698	0.00145
0.08258	-0.05287	0.25414	-0.17414	0.00016	-0.05526	0.23334	-0.07405	0.11002
0.00094	-0.22275	1.16E-06	-0.24413	9.16E-08	-0.11416	0.01357	-0.27996	7.39E-10
1.27E-05	-0.00155	0.9734	-0.15742	0.00064	-0.11449	0.0133	-0.14831	0.00131
0.97972	-0.15945	0.00054	-0.07411	0.10972	-0.25842	1.46E-08	-0.238	1.95E-07
0.02569	-0.01811	0.69628	-0.14328	0.00191	-0.18376	6.48E-05	-0.10182	0.0278
0.07218	0.166664	0.0003	0.02289	0.62173	-0.07107	0.12512	0.049895	0.28192
0.1963	-0.08357	0.07118	0.156718	0.00068	-0.13795	0.00281	-0.17328	0.00017
0.00171	-0.0338	0.46617	-0.15486	0.00079	-0.17378	0.00016	-0.08262	0.07446
5.26E-07	0.100089	0.03057	-0.05038	0.27724	0.021791	0.63857	0.128126	0.00556
4.26E-06	0.000639	0.98901	-0.20693	6.52E-06	-0.10876	0.01873	-0.09625	0.03759
0.01641	0.089867	0.05229	-0.209	5.24E-06	-0.07407	0.10994	0.026293	0.57087
0.6832	-0.09723	0.03568	-0.25584	2.05E-08	-0.19506	2.19E-05	-0.22893	5.72E-07
0.52068	-0.06317	0.17296	-0.22736	6.86E-07	-0.11096	0.01645	-0.1622	0.00043
0.94094	0.070485	0.12826	0.070279	0.12938	-0.04222	0.36269	0.073443	0.11297
0.79329	-0.02702	0.56025	-0.11557	0.01245	0.086946	0.06046	0.071255	0.12413
0.0713	-0.0972	0.03575	-0.02154	0.64243	-0.05162	0.26558	-0.02883	0.53425
0.15194	-0.07891	0.08851	-0.01542	0.73964	-0.00242	0.95842	-0.06184	0.18215
5.89E-07	0.005568	0.90449	-0.07653	0.09856	0.004094	0.92969	0.011082	0.81123
0.49721	-0.03544	0.44488	-0.02798	0.54645	0.132535	0.00412	0.081118	0.07992
0.20991	0.000345	0.99406	-0.16029	0.00051	-0.01779	0.70131	0.012165	0.79317
0.17888	-0.07776	0.09327	-0.00171	0.97062	0.017461	0.70666	-0.11314	0.01444

0.07096	-0.16152	0.00046	0.089027	0.05454	0.01516	0.74386	-0.13167	0.00437
0.25846	0.028246	0.54259	-0.04849	0.2957	0.060526	0.19167	0.057649	0.21368
4.70E-09	-0.01182	0.79884	-0.01622	0.72664	-0.01866	0.68749	-0.03329	0.47301
0.97499	-0.11361	0.01403	-0.08372	0.07068	0.05677	0.22076	-0.12483	0.00691
0.03497	-0.04806	0.30002	-0.09009	0.05171	-0.02642	0.56904	-0.06278	0.17563
0.50533	-0.17415	0.00016	-0.22698	7.17E-07	-0.24551	7.71E-08	-0.29497	7.89E-11
0.01072	-0.20998	4.73E-06	-0.26189	9.20E-09	-0.28307	4.70E-10	-0.35757	1.57E-15
0.31527	0.082765	0.07396	-0.12843	0.00544	-0.02129	0.64626	0.019668	0.67161
0.00499	0.015857	0.73252	-0.10622	0.02169	-0.01983	0.669	-0.02481	0.59277
0.25938	-0.07032	0.12914	-0.11384	0.01384	-0.15143	0.00103	-0.09809	0.03408
0.03029	-0.00395	0.93219	-0.02303	0.61962	0.102097	0.02737	0.106388	0.02148
0.11715	0.153317	0.00089	-0.10054	0.02983	-0.00747	0.87206	0.078695	0.08938
0.09794	0.013656	0.76851	0.084241	0.06894	-0.01279	0.78281	0.001508	0.97407
0.70251	0.041112	0.37539	-0.0316	0.49575	-0.0575	0.21491	-0.01181	0.79911
0.8522	-0.00794	0.86418	-0.0926	0.04549	0.066952	0.14857	-0.02795	0.54681
8.27E-14	0.008271	0.85852	-0.11817	0.0106	-0.02959	0.52354	-0.01208	0.79466
1.52E-07	0.050502	0.27609	-0.12798	0.00561	-0.06109	0.18758	0.012941	0.78031
5.37E-09	-0.02425	0.60123	-0.17037	0.00022	-0.04265	0.3578	-0.02592	0.57637
0.91601	0.064528	0.16387	-0.14819	0.00132	-0.03536	0.44584	0.069897	0.13148
0.10941	0.06672	0.14999	-0.11003	0.01738	0.068231	0.14095	0.056941	0.21937
0.17393	0.031976	0.49061	-0.04229	0.36181	-0.02823	0.54287	-0.01895	0.68299
1.91E-09	0.092433	0.04589	-0.0082	0.85971	0.086349	0.06225	0.240202	1.49E-07
0.244	-0.0397	0.39198	-0.09047	0.05072	-0.03134	0.49926	-0.03615	0.43574
0.00215	0.053646	0.24726	-0.00029	0.99497	-0.00796	0.86372	0.137577	0.00289
4.44E-05	-0.02538	0.58427	-0.15212	0.00097	-0.03602	0.43743	-0.03196	0.49084
0.24139	0.046487	0.31613	0.050545	0.27569	0.152024	0.00098	0.043609	0.34706
1.42E-28	0.028244	0.54262	-0.08903	0.05453	-0.10808	0.01948	-0.00095	0.98375
0.29585	-0.0621	0.18037	-0.12387	0.00736	-0.06691	0.14883	-0.08911	0.0543
5.01E-09	-0.00467	0.91991	-0.10121	0.02875	-0.02467	0.59489	0.026493	0.56795
0.00632	-0.00328	0.94362	0.026888	0.56218	-0.10214	0.02731	-0.02944	0.52567
0.1405	-0.15935	0.00055	-0.17134	0.0002	-0.11642	0.01181	-0.29881	4.36E-11
5.05E-05	-0.00653	0.88814	-0.14221	0.00206	-0.07481	0.10638	-0.06573	0.15614
0.04339	0.226478	7.59E-07	0.013714	0.76755	0.104105	0.02446	0.249262	4.80E-08
1.69E-09	0.010546	0.8202	-0.26941	3.29E-09	-0.15435	0.00082	-0.07831	0.09097
3.36E-10	-0.01413	0.76065	0.103839	0.02483	-0.00961	0.83588	0.015646	0.73595
0.01008	-0.16667	0.0003	-0.20562	7.48E-06	-0.14555	0.00161	-0.27755	1.05E-09
1.99E-05	-0.0482	0.29856	-0.20516	7.85E-06	-0.21828	1.92E-06	-0.1251	0.00679
0.26803	-0.13235	0.00417	0.128811	0.00531	0.14238	0.00204	0.10473	0.02361
0.15316	-0.01733	0.7087	-0.11499	0.0129	0.050505	0.27607	-0.01057	0.81984
1.44E-05	-0.06879	0.13771	-0.08571	0.06421	-0.13575	0.00329	-0.12874	0.00533
0.0512	-0.04938	0.28696	-0.16529	0.00033	-0.04617	0.3194	-0.06983	0.13185
0.15523	0.009378	0.83982	-0.10354	0.02526	0.043734	0.34567	0.040279	0.38515
0.68332	-0.0383	0.40898	-0.09258	0.04555	0.072619	0.11708	0.051854	0.26343
0.18317	-0.19285	2.72E-05	-0.0616	0.18387	-0.22544	8.56E-07	-0.24179	1.22E-07
6.51E-17	-0.09012	0.05163	-0.03062	0.50922	-0.0564	0.22378	-0.06436	0.16499

0.01037	-0.17339	0.00017	-0.2047	8.23E-06	0.020734	0.65493	-0.176	0.00013
0.05385	0.038509	0.40639	0.014601	0.75299	0.160778	0.00049	0.180624	8.67E-05
0.29112	-0.06004	0.19529	-0.02457	0.59641	-0.02614	0.57318	-0.11088	0.01652
1.37E-05	-0.04642	0.3168	-0.06965	0.13286	0.040583	0.38156	-0.02262	0.62591
9.96E-07	0.108883	0.01859	-0.02046	0.65921	0.056855	0.22007	0.122119	0.00825
0.05754	0.043948	0.34332	-0.00041	0.993	-0.0143	0.75789	-0.01215	0.79347
0.47312	-0.06031	0.19323	-0.16056	0.0005	-0.06625	0.15292	-0.07619	0.10008
0.48678	-0.13315	0.00395	-0.01519	0.74339	-0.18015	9.05E-05	-0.25701	1.76E-08
0.93881	-0.03828	0.40916	-0.17298	0.00017	0.027824	0.54864	0.002279	0.96082
0.00019	0.049861	0.28225	0.144274	0.00177	0.101338	0.02855	0.199648	1.38E-05
0.43657	0.062306	0.1789	-0.02134	0.64554	0.039574	0.39353	0.088403	0.05626
0.01182	-0.13394	0.00373	-0.19075	3.34E-05	-0.13434	0.00363	-0.22822	6.21E-07
0.25212	0.059806	0.19701	-0.011	0.81262	0.112857	0.01468	0.165141	0.00034
0.31738	-0.04436	0.33878	-0.0015	0.97414	-0.05402	0.24396	-0.05612	0.22611
0.43339	0.064356	0.165	0.222958	1.14E-06	0.372969	7.35E-17	0.343784	2.11E-14
0.16491	-0.02851	0.53888	0.242772	1.08E-07	0.159226	0.00055	0.159264	0.00055
0.25022	-0.11521	0.01273	0.176905	0.00012	0.062904	0.17476	0.012449	0.78846
9.70E-05	-0.07261	0.11714	0.081828	0.0773	0.108685	0.0188	0.038577	0.40557
1.38E-10	0.076285	0.09966	-0.12512	0.00678	-0.09859	0.03317	0.045844	0.32288
0.04366	-0.03886	0.40217	-0.11759	0.01098	-0.0883	0.05654	-0.11846	0.0104
0.10944	0.001541	0.97351	-0.04462	0.33603	-0.05404	0.24382	0.012003	0.79587
0.12131	0.053551	0.2481	0.126111	0.00636	0.067474	0.14543	0.108804	0.01868
1.44E-05	-0.32265	8.94E-13	-0.02907	0.53095	0.009139	0.84386	-0.17107	0.0002
0.86854	0.106555	0.02128	-0.18146	8.02E-05	-0.02894	0.53273	0.018161	0.69547
0.00013	-0.01278	0.78299	-0.15106	0.00106	-0.03971	0.39191	-0.05614	0.22589
0.45511	-0.03386	0.46543	-0.03011	0.51633	-0.02068	0.65571	-0.10147	0.02834
0.00016	0.038849	0.40226	-0.10973	0.01768	-0.1175	0.01105	-0.05083	0.27298
0.01321	0.223276	1.09E-06	0.199172	1.45E-05	0.21358	3.21E-06	0.324408	6.62E-13
0.43566	-0.00356	0.93878	-0.06147	0.18479	-0.00102	0.98244	-0.05025	0.27848
3.24E-09	-0.12992	0.00492	-0.03105	0.50331	-0.20674	6.66E-06	-0.18682	4.86E-05
0.34663	-0.08496	0.06659	-0.04898	0.29083	-0.05407	0.2435	-0.1314	0.00445
0.68211	-0.0442	0.34053	-0.15515	0.00077	-0.02477	0.59337	-0.04132	0.37297
0.00193	-0.05081	0.27322	-0.19676	1.85E-05	-0.11489	0.01297	-0.09436	0.04153
0.39481	-0.02772	0.5501	-0.1552	0.00076	-0.01108	0.81126	-0.01754	0.70536
0.01914	0.021367	0.64511	0.078997	0.08815	0.14843	0.0013	0.162997	0.00041
0.06884	-0.10852	0.01899	0.085355	0.06534	0.132577	0.0041	0.040403	0.38368
0.12554	-0.2601	1.17E-08	-0.0288	0.53466	-0.20709	6.42E-06	-0.30196	2.66E-11
0.00545	-0.03356	0.46936	-0.11668	0.01162	-0.06971	0.13252	-0.10203	0.02748
0.00409	-0.14275	0.00199	0.086004	0.06331	-0.11115	0.01626	-0.13117	0.00452
0.20533	-0.1202	0.00932	-0.09599	0.03812	-0.04579	0.32344	-0.21035	4.54E-06
0.02442	-0.04631	0.31798	-0.11076	0.01665	0.093364	0.04374	-0.03922	0.39772
3.22E-08	-0.08506	0.06627	0.004144	0.92884	-0.17343	0.00017	-0.15816	0.0006
0.00023	-0.19448	2.32E-05	-0.10819	0.01935	-0.20006	1.33E-05	-0.24746	6.03E-08
0.00222	-0.16019	0.00051	-0.16413	0.00037	-0.20823	5.69E-06	-0.26799	4.01E-09
4.07E-06	-0.04713	0.30952	-0.1111	0.01631	0.045743	0.32395	-0.04883	0.29235

2.04E-05	-0.22	1.58E-06	-0.08152	0.07845	-0.23573	2.56E-07	-0.26375	7.15E-09
0.95419	-0.14734	0.00141	-0.07314	0.11447	-0.01127	0.80811	-0.206	7.19E-06
0.28638	0.002084	0.96417	-0.08735	0.05928	0.068275	0.1407	0.026431	0.56885
0.59703	0.111807	0.01564	0.187611	4.51E-05	0.092891	0.04482	0.135461	0.00336
0.27131	-0.12158	0.00854	-0.14388	0.00183	-0.24426	9.02E-08	-0.26588	5.36E-09
0.00043	0.048443	0.29617	-0.15136	0.00103	-0.01757	0.70485	-0.01024	0.82541
0.92821	-0.07374	0.11154	0.107697	0.01992	0.16557	0.00033	0.094786	0.04061
0.93434	0.066904	0.14887	0.043954	0.34325	0.006206	0.8936	0.094378	0.04149
0.00944	-0.12339	0.0076	-0.0691	0.13597	-0.17015	0.00022	-0.28348	4.43E-10
0.0237	0.004433	0.92389	-0.13565	0.00331	-0.04179	0.36758	-0.02045	0.65929
4.27E-05	0.064203	0.16601	-0.06316	0.173	-0.01506	0.74543	0.078778	0.08904
0.02756	-0.06305	0.17375	-0.29524	7.58E-11	-0.13221	0.00421	-0.18007	9.12E-05
0.1513	-0.0216	0.64145	-0.16238	0.00043	-0.09534	0.03945	-0.11108	0.01633
0.16055	-0.14683	0.00146	-0.12444	0.00709	-0.24502	8.20E-08	-0.23256	3.73E-07
0.726	-0.03529	0.44675	-0.12392	0.00734	0.033444	0.47092	-0.01708	0.71271
0.1727	-0.04372	0.34579	-0.1368	0.00305	-0.00353	0.93938	-0.01108	0.81117
0.00117	-0.01593	0.73129	-0.16605	0.00031	-0.05767	0.21353	-0.01871	0.6868
0.00126	0.017313	0.70902	-0.10491	0.02338	-0.01655	0.72134	-0.03198	0.49051
0.43615	0.051642	0.26539	-0.03445	0.45766	-0.00346	0.94055	0.055038	0.23519
0.62801	-0.08374	0.07061	-0.08485	0.06696	-0.07792	0.09257	-0.17088	0.00021
0.55132	0.000517	0.99111	-0.18406	6.30E-05	-0.04973	0.28351	-0.00058	0.99007
0.9499	-0.04903	0.29038	-0.13418	0.00367	0.032083	0.48916	-0.00124	0.9786
0.9353	-0.01855	0.68928	-0.1087	0.01879	-0.06289	0.17487	-0.02949	0.52499
0.02968	-0.06773	0.14393	0.025445	0.58336	0.03714	0.42329	-0.01445	0.75541
0.01978	-0.02102	0.65056	-0.10208	0.0274	-0.00175	0.96996	0.055003	0.23549
0.00088	-0.1338	0.00377	-0.33554	9.43E-14	-0.18822	4.25E-05	-0.26905	3.46E-09
0.00575	0.042565	0.35873	-0.25287	3.02E-08	-0.19994	1.34E-05	-0.08783	0.05787
3.64E-11	0.15722	0.00065	0.075335	0.10396	0.225742	8.26E-07	0.263085	7.83E-09
1.06E-12	0.143079	0.00194	-0.0436	0.34714	0.042183	0.36307	0.191012	3.25E-05
5.60E-05	0.084654	0.06758	-0.11846	0.0104	-0.04247	0.35978	0.130728	0.00466
0.12474	-0.11894	0.0101	-0.05313	0.25186	-0.03053	0.51042	-0.16647	0.0003
0.00175	-0.03515	0.44851	0.030763	0.50722	0.054195	0.24245	-0.00866	0.85201
0.00874	-0.05603	0.22687	-0.08568	0.0643	-0.12092	0.00891	-0.14584	0.00158
0.99065	-0.03208	0.48915	-0.07466	0.10711	-0.05204	0.2617	-0.05535	0.23257
4.90E-06	0.093344	0.04378	-0.00076	0.98692	0.194347	2.35E-05	0.270804	2.72E-09
2.37E-08	0.120662	0.00905	-0.14562	0.0016	-0.07175	0.12152	0.123647	0.00747
0.58091	-0.02158	0.64181	-0.03058	0.50975	-0.04163	0.36945	-0.00305	0.94755
0.00014	-0.0036	0.9381	-0.1027	0.02646	0.104174	0.02437	0.037364	0.4205
3.25E-11	-0.05539	0.23219	-0.14071	0.00231	-0.16371	0.00038	-0.07187	0.12093
0.7806	-0.03853	0.40613	-0.14181	0.00213	-0.12615	0.00634	-0.09907	0.03232
0.4868	-0.04998	0.28106	-0.16744	0.00028	-0.03246	0.48405	-0.04936	0.28712
6.24E-06	-0.26175	9.37E-09	-0.09458	0.04104	-0.25315	2.91E-08	-0.30459	1.75E-11
0.8924	-0.06871	0.13816	-0.12633	0.00626	-0.13376	0.00378	-0.17381	0.00016
0.95287	-0.10904	0.01842	-0.20001	1.33E-05	-0.24434	8.93E-08	-0.26984	3.10E-09
0.3947	0.084458	0.06823	0.033101	0.47548	0.267793	4.12E-09	0.301685	2.78E-11



4.84E-14	-0.06563	0.15676	-0.00182	0.96864	-0.08327	0.07222	-0.00163	0.97192
0.17323	0.055083	0.23481	0.095293	0.03955	0.011391	0.80607	0.092392	0.04599
1.65E-05	0.259783	1.22E-08	-0.0101	0.8276	0.160184	0.00051	0.296337	6.40E-11
0.00017	0.013384	0.77298	-0.00543	0.90684	0.042591	0.35844	0.073961	0.11044
0.0016	0.060929	0.18872	0.079643	0.08557	0.209332	5.06E-06	0.260186	1.16E-08
0.18956	-0.06177	0.18266	-0.15464	0.0008	-0.05619	0.22556	-0.05867	0.20569
0.50021	-0.06559	0.15704	-0.15873	0.00058	-0.07614	0.1003	-0.12768	0.00573
0.65251	-0.10581	0.0222	-0.22581	8.20E-07	-0.2097	4.87E-06	-0.24782	5.77E-08
0.66992	-0.04244	0.36009	-0.16456	0.00036	0.00549	0.90581	-0.05122	0.26928
0.00026	-0.00924	0.84213	0.035186	0.44811	0.308017	1.01E-11	0.197173	1.77E-05
9.24E-06	-0.0281	0.54465	0.155431	0.00075	0.03087	0.50574	0.02736	0.55533
0.00608	-0.00362	0.93783	-0.0599	0.19634	0.11577	0.0123	0.006653	0.88598
3.77E-18	0.068289	0.14061	-0.13995	0.00244	-0.0974	0.03537	0.023644	0.61029
0.00031	-0.02816	0.54386	0.087211	0.05967	-0.0414	0.37209	-0.09032	0.05111
0.01304	-0.00157	0.97301	-0.09617	0.03776	-0.039	0.40047	-0.06188	0.18193
0.83026	-0.07796	0.09243	-0.14651	0.0015	-0.02908	0.53076	-0.09295	0.04468
5.12E-19	0.029856	0.51983	-0.10098	0.02911	-0.02273	0.62415	0.037301	0.42128
0.98583	-0.02989	0.5194	-0.03874	0.40362	-0.07454	0.10769	-0.0703	0.12927
0.00021	0.072499	0.11768	0.042846	0.35556	0.015035	0.74589	0.09949	0.03159
9.08E-24	0.08256	0.07468	-0.09215	0.04656	-0.05287	0.25417	0.097504	0.03516
9.79E-09	0.043258	0.35095	-0.0299	0.51919	0.022455	0.62837	0.026807	0.56337
1.07E-05	-0.01018	0.82635	0.082233	0.07585	0.110325	0.01708	0.054771	0.23747
5.14E-08	0.021736	0.63942	-0.08532	0.06545	-0.06219	0.17968	-0.01365	0.76865
2.83E-06	0.074437	0.10816	-0.14011	0.00241	0.007074	0.87883	0.054672	0.23832
0.0282	-0.04067	0.38056	-0.18374	6.50E-05	-0.12889	0.00528	-0.15475	0.00079
3.82E-09	-0.00297	0.94904	-0.13023	0.00482	-0.05579	0.22881	-0.04367	0.34635
0.60047	0.084894	0.06681	0.031525	0.49675	0.168618	0.00025	0.291476	1.35E-10
0.02976	0.004756	0.91836	-0.1161	0.01205	0.086062	0.06313	0.055932	0.22766
1.95E-11	0.02738	0.55505	-0.04865	0.29413	0.042038	0.36472	0.150824	0.00108
1.19E-19	0.032842	0.47894	0.060554	0.19146	-0.06459	0.16349	0.059725	0.19762
0.24664	0.102622	0.02658	0.041812	0.3673	0.282698	4.97E-10	0.223399	1.08E-06
0.43104	-0.12261	0.00799	-0.16366	0.00038	-0.06635	0.15226	-0.14485	0.0017
0.00802	-0.00873	0.85067	-0.09354	0.04333	0.000177	0.99696	0.00133	0.97714
0.00121	-0.00254	0.95631	-0.10324	0.02568	-0.02357	0.61138	0.004051	0.93043
0.99286	0.031885	0.49185	-0.13907	0.0026	-0.063	0.1741	-0.04701	0.31072
1.86E-10	-0.00982	0.83232	-0.0831	0.07279	-0.02257	0.62655	0.002563	0.95595
0.0367	-0.03792	0.41361	-0.1195	0.00975	-0.01417	0.7601	-0.02925	0.52831
0.16028	0.029574	0.52378	-0.13171	0.00436	0.044929	0.33264	0.087361	0.05924
0.74545	0.002165	0.96278	0.057683	0.21341	0.09638	0.03734	0.108182	0.01936
0.00013	-0.09759	0.03499	-0.06929	0.13487	-0.06053	0.19165	-0.04062	0.38115
0.53053	-0.12163	0.00851	-0.0531	0.2521	-0.00411	0.92935	-0.06065	0.19073
0.00052	-0.07876	0.08911	-0.08409	0.06946	-0.15866	0.00058	-0.11633	0.01188
0.11525	-0.27039	2.88E-09	-0.01072	0.81724	-0.07358	0.11232	-0.33205	1.75E-13
2.02E-10	-0.12462	0.00701	-0.01295	0.78012	-0.1007	0.02957	-0.22115	1.39E-06
0.09586	-0.07094	0.12579	-0.16081	0.00049	-0.03855	0.40588	-0.12942	0.00509

0.02337	-0.17436	0.00015	-0.06581	0.15565	0.010176	0.8264	-0.1443	0.00177
0.2984	-0.05561	0.23038	0.059389	0.20016	0.10094	0.02918	0.022327	0.63034
0.00227	-0.26291	8.02E-09	-0.04456	0.33668	-0.04131	0.37312	-0.22578	8.23E-07
0.14066	-0.06086	0.18925	-0.00376	0.93542	0.103683	0.02505	0.010922	0.8139
1.82E-06	0.024641	0.59531	-0.09543	0.03926	-0.02622	0.57195	0.034141	0.46171
0.09573	-0.11836	0.01047	-0.04001	0.38828	-0.01749	0.70626	-0.17318	0.00017
0.62886	-0.12945	0.00508	-0.01225	0.79177	-0.00895	0.84708	-0.1339	0.00374
0.47816	-0.076	0.10093	0.184796	5.88E-05	0.201869	1.10E-05	0.252253	3.27E-08
0.24851	0.007434	0.8727	-0.12516	0.00677	0.001402	0.9759	0.003868	0.93357
0.00153	0.016349	0.72456	-0.11423	0.01351	-0.04557	0.32577	-0.05711	0.21799
0.27576	0.048567	0.29494	-0.01718	0.71122	0.00398	0.93164	-0.00294	0.94948
0.00102	0.016403	0.72368	0.094787	0.04061	0.085459	0.06501	0.119675	0.00964
0.30075	-0.07438	0.10843	0.04085	0.37844	0.001234	0.97878	-0.02304	0.61945
0.46205	-0.05456	0.2393	0.021001	0.65079	0.069726	0.13243	-0.04272	0.35696
0.13928	-0.10116	0.02884	0.017811	0.70106	0.05197	0.26236	-0.12231	0.00814
0.80075	-0.05937	0.20027	-0.05794	0.21137	0.082427	0.07515	-0.02694	0.56143
0.65549	0.1075	0.02015	0.1555	0.00075	0.034026	0.46322	0.090096	0.05169
3.87E-06	-0.05658	0.2223	0.342267	2.79E-14	0.015393	0.74006	0.012539	0.78697
5.39E-07	0.019064	0.68113	-0.19318	2.63E-05	-0.03654	0.43082	0.002102	0.96387
0.00576	-0.06125	0.18638	-0.17585	0.00013	-0.14397	0.00181	-0.1791	9.96E-05
1.72E-06	0.059921	0.19615	-0.04628	0.31826	0.081927	0.07695	0.0853	0.06551
0.01828	0.062307	0.1789	-0.04939	0.28679	-0.17218	0.00018	-0.0738	0.1112
0.04917	-0.03475	0.45369	-0.03632	0.43359	0.039475	0.3947	0.038993	0.40052
0.0026	-0.08702	0.06023	0.039076	0.39951	-0.13414	0.00368	-0.19731	1.75E-05
0.37044	0.038642	0.40477	-0.01878	0.68571	0.009874	0.83147	0.067545	0.145
0.84881	-0.18404	6.31E-05	-0.10673	0.02106	-0.16514	0.00034	-0.23918	1.69E-07
0.33324	0.152227	0.00097	0.423311	9.96E-22	0.352292	4.31E-15	0.371629	9.66E-17
0.00042	-0.11502	0.01288	-0.13883	0.00264	-0.21019	4.62E-06	-0.19713	1.78E-05
3.14E-08	-0.10974	0.01767	-0.0596	0.19856	-0.09884	0.03272	-0.10938	0.01805
0.02989	-0.07847	0.09029	-0.10241	0.0269	-0.07696	0.09668	-0.19592	2.01E-05
0.00466	0.010504	0.8209	0.056981	0.21904	0.032143	0.48835	0.117787	0.01085
0.80114	-0.10279	0.02633	-0.02081	0.65378	0.080638	0.08173	-0.11513	0.01279
0.00383	-0.22532	8.67E-07	0.035077	0.44952	-0.19821	1.60E-05	-0.24301	1.05E-07
0.00108	-0.03944	0.39509	-0.01674	0.71817	-0.06266	0.17647	-0.02697	0.56093
0.13614	-0.13899	0.00261	-0.13537	0.00338	-0.08263	0.07445	-0.17141	0.0002
0.16903	0.030244	0.51441	-0.03334	0.47233	0.011893	0.7977	0.024896	0.59151
0.04268	-0.03184	0.49249	0.033909	0.46477	-0.07824	0.09126	-0.04953	0.28543
0.00018	0.028954	0.53252	-0.05664	0.22186	0.136986	0.00301	0.111584	0.01585
0.01011	-0.07376	0.11144	-0.14313	0.00193	-0.09671	0.03669	-0.11292	0.01463
0.1114	-0.03185	0.49227	-0.15087	0.00107	-0.00099	0.98296	-0.01609	0.72882
0.01073	-0.0266	0.56635	-0.1376	0.00289	-0.1472	0.00142	-0.08571	0.06421
0.38262	-0.14613	0.00154	-0.16765	0.00027	-0.24576	7.47E-08	-0.2735	1.86E-09
0.25623	0.124754	0.00695	0.042656	0.3577	0.132672	0.00408	0.242694	1.10E-07
0.00094	-0.06564	0.15669	-0.13452	0.00359	-0.04555	0.32604	-0.11503	0.01286
0.8542	0.02889	0.53343	-0.00099	0.98303	-0.01034	0.82363	0.001719	0.97044

0.09279	-0.05686	0.21999	0.014499	0.75465	-0.07392	0.11062	-0.06088	0.1891
0.80358	0.199776	1.36E-05	-0.01082	0.81556	-0.11726	0.01122	-0.00323	0.94457
1.05E-08	-0.12587	0.00646	-0.05702	0.21875	-0.21761	2.07E-06	-0.23238	3.81E-07
0.16105	0.062855	0.1751	0.030108	0.51631	0.127705	0.00572	0.078328	0.09089
0.55467	-0.16345	0.00039	-0.17268	0.00018	-0.06264	0.17658	-0.17714	0.00012
0.06831	0.182861	7.05E-05	-0.15643	0.00069	0.057676	0.21347	0.180252	8.97E-05
0.54499	-0.04533	0.32833	0.184635	5.97E-05	0.164346	0.00036	0.083489	0.07146
0.2317	-0.0118	0.79926	-0.17229	0.00018	-0.0401	0.38722	-0.05019	0.27907
0.09169	0.186741	4.90E-05	-0.15716	0.00065	-0.05227	0.25965	0.051606	0.26572
0.00584	-0.01188	0.79792	0.009662	0.83505	0.027819	0.54872	0.006125	0.89497
1.25E-09	0.208419	5.58E-06	-0.03026	0.51422	-0.05589	0.228	0.00693	0.88126
0.12204	0.06819	0.14119	-0.14558	0.00161	-0.11562	0.01241	-0.11605	0.01209
0.61988	-0.05622	0.22525	-0.12194	0.00834	-0.02522	0.58671	-0.12128	0.0087
6.89E-08	0.148762	0.00126	0.105652	0.02241	0.105112	0.0231	0.145217	0.00165
7.24E-05	-0.23264	3.70E-07	-0.3353	9.83E-14	-0.29912	4.16E-11	-0.43075	1.61E-22
4.15E-28	0.192106	2.92E-05	-0.13182	0.00432	-0.02751	0.55319	0.122921	0.00783
0.80024	-0.07219	0.11926	-0.0088	0.84958	-0.04165	0.36914	-0.09459	0.04104
1.31E-09	0.131427	0.00444	-0.08264	0.07439	-0.0431	0.35272	0.121199	0.00875
0.0179	-0.06497	0.161	-0.15484	0.00079	-0.08902	0.05457	-0.11774	0.01088
0.98305	-0.14151	0.00218	-0.07687	0.09707	-0.01599	0.73035	-0.14439	0.00176
0.26341	-0.10618	0.02174	-0.38342	8.39E-18	-0.29099	1.45E-10	-0.25153	3.59E-08
0.3658	0.036761	0.42804	0.029752	0.52129	0.138012	0.0028	0.152186	0.00097
0.00571	-0.04409	0.34171	0.198883	1.49E-05	-0.04933	0.28741	-0.0898	0.05247
9.31E-05	-0.24874	5.13E-08	-0.40293	1.18E-19	-0.32613	4.93E-13	-0.51008	2.68E-32
0.27929	-0.05266	0.25607	0.00095	0.98366	0.035006	0.45043	-0.10304	0.02597
0.00019	-0.0763	0.09961	-0.21875	1.82E-06	-0.28996	1.69E-10	-0.25477	2.36E-08
0.2722	-0.02103	0.6504	-0.13539	0.00337	0.036877	0.42658	0.033987	0.46373
0.00158	0.020139	0.66423	0.021033	0.65028	0.040297	0.38493	0.046313	0.31794
0.01149	-0.04485	0.33351	0.145658	0.0016	0.108944	0.01852	0.079011	0.08809
0.1271	0.102601	0.02661	-0.23411	3.11E-07	-0.14542	0.00163	-0.02398	0.60528
0.05485	-0.28879	2.02E-10	-0.18112	8.28E-05	-0.18223	7.48E-05	-0.29438	8.64E-11
0.59414	0.095162	0.03982	-0.09095	0.0495	0.062085	0.18045	0.204058	8.80E-06
8.06E-06	0.083002	0.07314	-0.03322	0.47389	0.006817	0.8832	0.093116	0.0443
0.72721	-0.16216	0.00043	-0.18427	6.18E-05	-0.13742	0.00292	-0.19097	3.27E-05
2.42E-10	-0.09017	0.0515	-0.08314	0.07265	-0.08001	0.08414	-0.11112	0.01629
3.43E-07	0.181061	8.33E-05	0.081925	0.07695	0.11722	0.01124	0.310651	6.61E-12
3.27E-11	-0.01032	0.82396	-0.07728	0.09529	-0.07685	0.09718	-0.00914	0.84378
0.04726	0.048679	0.29383	-0.05482	0.23708	0.008636	0.85235	0.129841	0.00495
0.41933	0.000712	0.98775	-0.15853	0.00059	0.003034	0.94787	-0.00872	0.85097
0.011	-0.07787	0.09279	-0.19427	2.36E-05	-0.13238	0.00416	-0.13771	0.00286
0.37444	-0.06911	0.13589	-0.05622	0.22523	0.045168	0.33007	-0.01276	0.78332
0.77607	-0.07315	0.11442	-0.27242	2.17E-09	-0.18805	4.32E-05	-0.14648	0.0015
0.33414	-0.15699	0.00066	-0.17675	0.00012	-0.23474	2.88E-07	-0.29881	4.36E-11
0.00555	0.062531	0.17734	-0.11124	0.01617	0.028395	0.54048	0.15241	0.00095
1.34E-11	0.132187	0.00422	0.003724	0.93603	0.052271	0.25961	0.178087	0.00011

1.32E-25	-0.02211	0.6337	-0.1292	0.00517	-0.03852	0.40628	-0.01257	0.7864
5.45E-12	0.238568	1.82E-07	0.090259	0.05126	0.164499	0.00036	0.357897	1.47E-15
0.60714	-0.02319	0.61715	-0.15171	0.00101	-0.0382	0.41011	-0.02563	0.5806
0.03226	-0.04336	0.3498	0.02923	0.52863	0.075064	0.10521	-0.0528	0.25477
0.4446	-0.07079	0.12661	-0.21427	2.98E-06	-0.11474	0.0131	-0.1516	0.00102
1.40E-07	0.063418	0.17126	-0.07085	0.12627	0.079669	0.08547	0.168405	0.00026
0.59276	-0.01621	0.72687	-0.20624	7.01E-06	-0.13924	0.00256	-0.11823	0.01056
0.74299	0.00317	0.94554	-0.09587	0.03836	0.073462	0.11287	0.010044	0.82862
2.19E-06	-0.1752	0.00014	-0.09368	0.04304	-0.12602	0.00639	-0.27938	8.04E-10
7.46E-14	-0.0312	0.50116	-0.04687	0.31212	-0.07252	0.11757	-0.12723	0.0059
0.48904	-0.03711	0.42362	-0.20206	1.08E-05	-0.12699	0.00599	-0.07047	0.12835
0.0903	-0.01765	0.70364	-0.11549	0.01251	0.023379	0.6143	0.028468	0.53943
2.46E-08	-0.02945	0.52559	-0.24172	1.23E-07	-0.1837	6.52E-05	-0.0922	0.04645
1.40E-08	0.091811	0.04738	0.012035	0.79533	0.073772	0.11136	0.14786	0.00135
5.79E-09	-0.01668	0.71923	-0.10859	0.01891	0.059705	0.19777	0.032338	0.48572
0.05997	-0.16351	0.00039	-0.09106	0.04922	-0.12222	0.00819	-0.15735	0.00064
1.19E-16	0.134423	0.00361	-0.00643	0.88976	0.101035	0.02903	0.18686	4.84E-05
2.51E-07	0.103004	0.02602	-0.03797	0.41301	0.06369	0.16942	0.180862	8.48E-05
2.19E-05	-0.09574	0.03862	-0.07855	0.08997	-0.24103	1.34E-07	-0.20152	1.14E-05
0.61596	-0.03526	0.44713	-0.12362	0.00748	0.010226	0.82555	-0.01446	0.75533
0.74476	-0.03759	0.41773	-0.11079	0.01661	0.027462	0.55386	-0.00554	0.90495
0.00388	-0.03672	0.42852	-0.23012	4.98E-07	-0.18084	8.49E-05	-0.12708	0.00596
0.90108	-0.03944	0.39512	-0.12054	0.00912	-0.07435	0.10857	-0.10218	0.02724
0.31649	-0.19133	3.15E-05	-0.06469	0.16283	-0.04937	0.28701	-0.17708	0.00012
0.03589	0.101442	0.02838	0.182006	7.63E-05	0.002464	0.95764	0.100983	0.02911
0.14959	-0.0779	0.09267	-0.29491	7.97E-11	-0.11594	0.01217	-0.17377	0.00016
1.98E-06	-0.06356	0.1703	-0.16398	0.00037	-0.07421	0.10925	-0.13729	0.00295
1.88E-06	0.039046	0.39987	-0.19272	2.75E-05	-0.05401	0.24405	-0.02303	0.61954
0.01888	0.021886	0.6371	-0.1413	0.00221	-0.04286	0.35544	0.001757	0.96979
0.17531	0.090276	0.05122	-0.1523	0.00096	-0.01834	0.6926	0.074428	0.1082
0.55922	-0.04419	0.34062	-0.14685	0.00146	-0.11827	0.01053	-0.15161	0.00101
0.33311	-0.08777	0.05804	-0.10485	0.02345	-0.05146	0.26712	-0.16117	0.00047
0.09978	-0.10103	0.02904	-0.15201	0.00098	-0.16307	0.0004	-0.27041	2.87E-09
0.01098	0.053839	0.24557	-0.05061	0.27504	0.06792	0.14278	0.189279	3.84E-05
0.00045	0.074784	0.10652	0.141813	0.00213	0.424095	8.24E-22	0.438568	2.25E-23
0.00026	0.020708	0.65534	-0.01735	0.70849	0.005413	0.90714	0.036833	0.42714
0.00025	-0.14315	0.00193	-0.008	0.86309	-0.02985	0.51989	-0.121	0.00886
0.71212	-0.06984	0.1318	0.124678	0.00698	-0.04333	0.35011	-0.0601	0.19484
0.02902	0.059441	0.19977	-0.25633	1.92E-08	-0.08865	0.05558	0.013962	0.76346
0.71215	-0.01279	0.78274	-0.12	0.00944	0.02769	0.55057	0.017356	0.70834
0.00017	0.093257	0.04398	0.011266	0.80815	0.204856	8.10E-06	0.308296	9.69E-12
0.87924	-0.08949	0.05328	-0.19335	2.59E-05	-0.18009	9.10E-05	-0.18013	9.07E-05
0.55783	-0.03682	0.42724	-0.11206	0.01541	0.033503	0.47012	-0.02322	0.61669
0.0268	0.003384	0.94187	-0.03333	0.4724	-0.01775	0.70199	0.040983	0.37689
0.6473	0.044594	0.33626	-0.01509	0.74507	-0.11099	0.01642	0.004341	0.92546

3.57E-08	0.140721	0.0023	0.012412	0.78908	0.098707	0.03296	0.233966	3.16E-07
0.93216	-0.05259	0.25671	-0.10084	0.02933	0.026129	0.57327	-0.00963	0.8355
0.17165	-0.11901	0.01005	-0.2076	6.08E-06	-0.13335	0.00389	-0.17367	0.00016
0.17409	0.024381	0.5992	-0.084	0.06975	0.077927	0.09256	0.068964	0.13672
0.41573	-0.07203	0.12009	-0.13111	0.00454	-0.00717	0.87719	-0.08793	0.0576
0.31731	0.013381	0.77304	-0.09022	0.05137	0.002131	0.96336	0.015045	0.74574
9.69E-19	0.011968	0.79645	-0.04814	0.29919	-0.07931	0.08688	0.020987	0.65101
0.03802	-0.10348	0.02534	-0.04207	0.36434	-0.03383	0.46584	-0.1931	2.65E-05
0.13715	-0.10508	0.02315	-0.06868	0.13834	-0.08126	0.0794	-0.19434	2.35E-05
0.03771	-0.01534	0.74096	-0.03112	0.50232	0.065099	0.16016	0.140109	0.00241
1.88E-08	-0.02833	0.54143	-0.06522	0.15939	-0.04876	0.29305	0.002894	0.95027
0.00702	-0.01151	0.80401	-0.12463	0.007	-0.05152	0.26654	-0.08243	0.07515
1.08E-09	0.079436	0.08639	-0.02095	0.65164	0.003805	0.93464	0.087951	0.05754
1.44E-07	0.041164	0.37478	-0.10318	0.02576	0.007984	0.86338	-0.02422	0.60166
0.1007	-0.04568	0.32466	-0.04976	0.28326	0.02172	0.63966	-0.02484	0.59231
0.19701	-0.04812	0.29941	0.09231	0.04618	0.207178	6.35E-06	0.06132	0.18589
0.0379	-0.07885	0.08874	-0.05334	0.24998	-0.10129	0.02862	-0.11019	0.01722
0.40468	-0.04715	0.30932	-0.21454	2.89E-06	-0.05854	0.20664	-0.11981	0.00956
2.98E-07	0.064428	0.16452	-0.08563	0.06447	0.065431	0.15804	0.089122	0.05428
0.84014	-0.07364	0.112	-0.05191	0.26289	-0.01681	0.71708	-0.0299	0.51923
0.69811	0.022335	0.63021	-0.18479	5.89E-05	-0.11384	0.01383	-0.18935	3.82E-05
1.47E-08	-0.07916	0.08748	0.049335	0.28736	0.066306	0.15254	-0.06899	0.13657
0.00749	0.071221	0.12431	0.033929	0.4645	0.00952	0.83744	0.149707	0.00118
0.48822	-0.03668	0.42904	-0.19312	2.65E-05	-0.13488	0.0035	-0.17949	9.61E-05
0.57549	-0.05184	0.26359	-0.02545	0.58333	-0.06786	0.14311	-0.06481	0.16201
0.60127	-0.02247	0.62815	-0.20271	1.01E-05	-0.02508	0.58877	-0.02384	0.60734
0.0778	0.046014	0.32108	0.079482	0.08621	0.047901	0.30162	0.099741	0.03116
0.21254	0.00262	0.95497	-0.13015	0.00485	0.021274	0.64656	0.056529	0.22273
0.81432	-0.01182	0.79892	-0.07132	0.12377	0.019475	0.67466	0.024377	0.59926
2.29E-05	-0.00586	0.89956	-0.1027	0.02647	0.001572	0.97298	0.038496	0.40655
0.58614	-0.13214	0.00423	-0.16982	0.00023	-0.25446	2.46E-08	-0.29553	7.25E-11
0.85017	-0.09452	0.04117	-0.15741	0.00064	-0.21378	3.14E-06	-0.24211	1.18E-07
0.17728	0.037763	0.41555	0.255535	2.14E-08	0.044117	0.34146	0.116628	0.01166
0.78904	0.025246	0.5863	-0.08221	0.07593	-0.01	0.8294	0.031096	0.50264
0.43666	-0.05029	0.27808	-0.1041	0.02447	-0.03636	0.43307	-0.10604	0.02191
0.89684	-0.12332	0.00763	-0.10886	0.01861	-0.15533	0.00076	-0.20123	1.18E-05
1.26E-21	0.047196	0.3088	-0.03417	0.46129	-0.09337	0.04373	0.075408	0.10363
0.52771	-0.21291	3.45E-06	-0.12033	0.00925	-0.20462	8.30E-06	-0.32119	1.15E-12
0.50829	-0.15169	0.00101	-0.25632	1.93E-08	-0.21176	3.91E-06	-0.27274	2.07E-09
0.00027	0.052141	0.2608	-0.0572	0.21731	-0.03257	0.48262	0.048432	0.29628
0.08935	-0.05126	0.26895	-0.13955	0.00251	0.016428	0.72327	-0.04782	0.30243
0.46565	0.107967	0.01961	-0.12391	0.00734	0.050681	0.27439	0.058792	0.20473
0.3991	-0.04178	0.36764	-0.10275	0.02639	0.006252	0.89282	-0.12017	0.00934
0.43666	-0.07284	0.11594	-0.18935	3.82E-05	-0.09519	0.03975	-0.14668	0.00148
0.28336	-0.12418	0.00722	-0.16967	0.00023	-0.14883	0.00126	-0.2128	3.49E-06

0.00022	0.017549	0.70524	0.134738	0.00353	0.10546	0.02265	0.124527	0.00705
0.00333	0.124227	0.00719	-0.06027	0.19355	0.202558	1.03E-05	0.292198	1.21E-10
0.09464	-0.06042	0.19245	-0.02035	0.66093	0.15496	0.00078	0.074976	0.10562
0.00639	-0.03061	0.50928	-0.11739	0.01112	-0.13939	0.00254	-0.1677	0.00027
6.77E-05	-0.01373	0.76724	0.011328	0.80711	-0.01469	0.75155	0.074608	0.10735
0.00039	-0.08278	0.0739	-0.12801	0.0056	-0.04479	0.33415	-0.1744	0.00015
0.19703	-0.07136	0.12359	-0.17053	0.00021	-0.24122	1.31E-07	-0.26564	5.54E-09
0.04005	-0.05282	0.25459	-0.12639	0.00624	-0.09107	0.04919	-0.14805	0.00133
0.6509	-0.10542	0.0227	-0.11223	0.01525	-0.10724	0.02046	-0.20712	6.39E-06
0.96825	-0.09789	0.03445	-0.15983	0.00053	0.022297	0.63079	-0.15515	0.00077
0.51711	-0.04067	0.38054	-0.09299	0.04459	-0.13029	0.0048	-0.0925	0.04572
0.00152	-0.00526	0.90978	-0.10103	0.02903	0.023949	0.60569	0.009575	0.8365
0.88506	0.047412	0.30658	-0.07291	0.11563	0.003378	0.94196	0.05026	0.27841
0.98371	0.061788	0.18255	-0.10006	0.03062	0.067156	0.14734	0.109351	0.01809
1.04E-14	-0.06368	0.16949	-0.16613	0.00031	-0.18061	8.68E-05	-0.09851	0.03332
0.73527	-0.05738	0.21586	-0.15192	0.00099	-0.05856	0.20648	-0.10056	0.0298
0.00498	-0.28275	4.93E-10	-0.20004	1.33E-05	-0.15701	0.00066	-0.34776	1.01E-14
4.32E-08	0.016769	0.71778	-0.0433	0.3505	0.009569	0.83661	0.048803	0.29259
0.65513	-0.01448	0.75503	-0.02594	0.57601	-0.05732	0.21627	0.001126	0.98063
0.15098	-0.03726	0.4218	-0.11282	0.01471	-0.11238	0.01511	-0.1088	0.01868
0.58893	0.001108	0.98095	-0.20525	7.77E-06	-0.01652	0.72173	0.008259	0.85872
0.00111	-0.02674	0.56436	-0.19474	2.26E-05	-0.03955	0.39386	-0.07916	0.0875
2.06E-08	0.001222	0.97899	-0.12783	0.00567	-0.08013	0.08367	-0.02089	0.65251
0.97902	-0.02258	0.62641	-0.12625	0.0063	0.041716	0.36841	0.023034	0.61954
3.56E-05	-0.00341	0.94135	-0.06962	0.13302	-0.09949	0.03159	-0.02547	0.58297
0.093	-0.03136	0.49894	-0.12199	0.00832	0.001256	0.97841	-0.00469	0.91951
1.96E-05	0.051485	0.26685	-0.00115	0.98026	-0.02512	0.58817	0.11979	0.00957
0.00521	-0.00147	0.97473	-0.05138	0.26786	-0.0388	0.40279	0.041152	0.37492
5.23E-07	0.09454	0.04114	-0.15572	0.00073	-0.00429	0.92638	0.152488	0.00095
1.19E-09	-0.12236	0.00812	-0.1672	0.00028	-0.20678	6.63E-06	-0.18432	6.15E-05
9.52E-05	-0.03131	0.49972	-0.16064	0.00049	-0.0822	0.07596	-0.10998	0.01743
0.01273	0.195231	2.15E-05	0.149547	0.00119	0.070789	0.12662	0.179234	9.84E-05
1.63E-07	-0.06287	0.17497	0.061089	0.18756	-0.03233	0.48576	-0.04708	0.30996
0.14345	-0.06344	0.1711	-0.14788	0.00135	-0.03245	0.48421	-0.07287	0.1158
1.24E-07	-0.03947	0.39472	0.044399	0.33838	-0.12526	0.00672	-0.01649	0.72227
0.00543	0.051447	0.2672	-0.1427	0.00199	0.003125	0.9463	0.073687	0.11177
7.61E-09	0.063353	0.1717	0.13524	0.00341	0.209914	4.76E-06	0.290219	1.63E-10
4.31E-05	-0.01541	0.7398	-0.1472	0.00142	-0.05097	0.27171	-0.02079	0.654
7.49E-06	-0.09749	0.0352	-0.00379	0.93493	-0.10902	0.01844	-0.20341	9.41E-06
1.22E-30	0.0691	0.13595	-0.0923	0.04621	-0.10285	0.02625	0.069217	0.13528
0.49819	-0.1579	0.00062	-0.09386	0.04263	-0.00154	0.97354	-0.05719	0.21738
0.14589	-0.12017	0.00934	-0.30535	1.56E-11	-0.23268	3.68E-07	-0.3014	2.91E-11
0.97031	0.019987	0.66661	-0.00389	0.93323	0.022631	0.62568	0.030457	0.51146
7.34E-06	-0.10356	0.02522	-0.24835	5.39E-08	-0.14191	0.00211	-0.21161	3.97E-06
0.02072	-0.1126	0.01492	-0.03995	0.38905	-3.87E-05	0.99933	-0.05734	0.21612

0.29769	-0.06499	0.16085	0.023697	0.6095	-0.13027	0.00481	-0.17639	0.00013
5.80E-27	0.024708	0.59432	0.029305	0.52757	0.132203	0.00421	0.191673	3.05E-05
0.16201	-0.03459	0.45583	-0.2274	6.83E-07	-0.11434	0.01342	-0.10027	0.03028
1.11E-12	0.037514	0.41864	0.05694	0.21938	-0.03856	0.4058	0.042941	0.35449
0.83074	-0.13866	0.00267	-0.06025	0.19373	-0.08521	0.0658	-0.21172	3.92E-06
0.04665	0.011046	0.81183	-0.23135	4.31E-07	-0.12845	0.00544	-0.09816	0.03395
0.23559	-0.04856	0.29503	-0.15831	0.0006	-0.12554	0.0066	-0.16137	0.00046
0.56547	0.168884	0.00025	0.113156	0.01442	0.064449	0.16439	0.174213	0.00015
0.18921	0.090282	0.0512	-0.10943	0.018	0.073296	0.11369	0.191384	3.14E-05
0.01427	0.000139	0.9976	-0.03242	0.48462	-0.13678	0.00306	-0.09072	0.05008
2.21E-08	-0.0115	0.80416	-0.16689	0.00029	-0.12823	0.00552	-0.08025	0.08321
0.66532	0.003824	0.93432	0.210991	4.24E-06	0.02989	0.51935	0.037714	0.41615
0.0002	-0.0524	0.25845	-0.19458	2.29E-05	-0.0362	0.43509	-0.14377	0.00184
0.38415	-0.02017	0.66372	-0.28527	3.40E-10	-0.20749	6.15E-06	-0.21691	2.23E-06
0.63764	0.185193	5.67E-05	0.045993	0.3213	0.04344	0.34893	0.162205	0.00043
0.24028	-0.04634	0.3177	-0.06953	0.13351	0.063747	0.16904	0.023287	0.6157
0.40416	-0.02362	0.61065	-0.13321	0.00393	0.016585	0.72075	0.004231	0.92735
3.09E-09	0.053524	0.24834	-0.01466	0.75209	-0.06629	0.15267	0.026047	0.57448
0.65659	-0.05933	0.2006	-0.13452	0.00359	-0.03939	0.39568	-0.12212	0.00825
0.14004	0.066757	0.14976	-0.00381	0.93448	0.178126	0.00011	0.247781	5.79E-08
0.02167	-0.04863	0.29428	-0.20248	1.04E-05	-0.00261	0.95515	-0.06061	0.19108
0.44101	-0.0679	0.14287	-0.30526	1.58E-11	-0.19505	2.19E-05	-0.23893	1.74E-07
2.35E-09	0.184331	6.15E-05	0.10051	0.02988	0.114962	0.01292	0.310077	7.26E-12
0.25673	-0.00037	0.9936	-0.02784	0.54841	-0.06266	0.17644	-0.04429	0.33956
0.81395	-0.06144	0.18506	-0.11872	0.01023	0.01754	0.70539	-0.04749	0.30579
3.98E-05	-0.03728	0.4215	-0.16591	0.00032	-0.04093	0.37753	-0.03973	0.39162
0.00113	-0.08705	0.06016	-0.23231	3.84E-07	-0.25265	3.11E-08	-0.23113	4.42E-07
0.00026	0.049764	0.28318	-0.07252	0.11756	-0.02952	0.52458	0.06705	0.14798
3.05E-12	0.067527	0.14511	0.077308	0.09519	0.0865	0.06179	0.189436	3.79E-05
0.01656	-0.03884	0.40234	-0.12231	0.00814	-0.02913	0.53004	-0.02372	0.60918
0.01636	-0.03501	0.4504	-0.11765	0.01095	-0.06862	0.13869	-0.08121	0.07958
0.40641	-0.17493	0.00014	-0.24499	8.23E-08	-0.25263	3.12E-08	-0.26767	4.19E-09
1.47E-05	-0.03034	0.51305	-0.08255	0.07473	-0.02645	0.5685	-0.01495	0.74732
0.63544	-0.12526	0.00672	-0.18049	8.78E-05	-0.25673	1.83E-08	-0.30336	2.14E-11
3.95E-17	0.039544	0.39388	-0.12358	0.0075	-0.05918	0.20175	0.027066	0.5596
0.00094	-0.05027	0.27829	-0.21736	2.12E-06	-0.08285	0.07366	-0.11486	0.013
0.76629	-0.05852	0.20685	-0.18462	5.98E-05	-0.13752	0.0029	-0.16752	0.00028
0.0047	-0.03323	0.47372	-0.09705	0.03602	0.009619	0.83577	-0.01309	0.7779
0.6416	0.124237	0.00719	0.128855	0.00529	0.245671	7.56E-08	0.284937	3.58E-10
0.18969	0.124952	0.00686	-0.01507	0.74537	0.066247	0.15291	0.174892	0.00015
0.53061	-0.09986	0.03096	0.019646	0.67197	-0.01121	0.80913	-0.15092	0.00107
4.13E-09	-0.0307	0.50806	-0.06887	0.13727	-0.17182	0.00019	-0.15238	0.00096
0.00019	-0.03122	0.50097	-0.1781	0.00011	-0.05416	0.24274	-0.04325	0.35104
0.01074	0.001769	0.96959	-0.00787	0.86526	0.087052	0.06014	0.03287	0.47857
0.32676	-0.09719	0.03577	-0.25406	2.59E-08	-0.12168	0.00848	-0.14845	0.00129

0.00548	0.21395	3.08E-06	-0.04435	0.33893	0.182793	7.09E-05	0.337925	6.15E-14
0.00123	0.034395	0.45839	0.063727	0.16918	0.171943	0.00019	0.107747	0.01986
0.00857	0.00443	0.92393	-0.20687	6.57E-06	-0.09	0.05195	-0.03445	0.45772
0.00947	0.109425	0.01801	-0.13064	0.00469	0.079092	0.08777	0.231642	4.16E-07
0.00121	-0.088	0.05741	0.086442	0.06197	-0.06755	0.14497	-0.17879	0.0001
0.00711	-0.05727	0.21668	-0.11054	0.01687	-0.11176	0.01568	-0.11253	0.01497
0.27371	-0.02415	0.60272	-0.14125	0.00222	-0.1778	0.00011	-0.14048	0.00234
0.33309	0.013393	0.77283	0.08702	0.06024	0.223321	1.09E-06	0.178783	0.0001
0.27437	-0.10437	0.02409	-0.19457	2.30E-05	-0.09133	0.04856	-0.1656	0.00033
0.39019	-0.02021	0.6631	-0.20464	8.28E-06	-0.03659	0.43025	-0.03524	0.44738
1.25E-09	0.272768	2.06E-09	0.167009	0.00029	0.297122	5.67E-11	0.507614	5.93E-32
5.52E-05	0.051949	0.26255	0.048856	0.29207	0.109329	0.01811	0.193204	2.63E-05
3.04E-19	0.015735	0.7345	-0.19984	1.36E-05	-0.17627	0.00013	-0.09128	0.04868
0.00996	-0.00255	0.95616	-0.10641	0.02145	-0.08419	0.06911	-0.01888	0.68404
0.00083	0.048696	0.29365	0.006857	0.88252	0.042589	0.35846	0.120491	0.00915
0.00214	-0.03894	0.40121	-0.07985	0.08478	-0.07184	0.12105	-0.01997	0.66682
7.25E-11	-0.07072	0.127	-0.13088	0.00461	-0.13023	0.00482	-0.08034	0.08284
1.01E-06	0.053472	0.2488	-0.13853	0.0027	0.00714	0.87769	0.005947	0.89801
0.00029	-0.0035	0.93981	-0.21653	2.32E-06	-0.24451	8.74E-08	-0.12582	0.00648
0.13354	-0.04878	0.29285	-0.1045	0.02392	-0.03741	0.4199	-0.05147	0.267
1.63E-05	0.006824	0.88307	-0.06877	0.13781	0.025253	0.5862	0.044156	0.34103
0.25828	-0.1057	0.02234	-0.07384	0.11102	-0.10564	0.02243	-0.14105	0.00225
0.50986	0.051241	0.26912	0.041669	0.36895	-0.04511	0.33067	0.085685	0.0643
1.03E-06	0.204085	8.77E-06	-0.03761	0.41745	0.022347	0.63003	0.254104	2.57E-08
0.00093	0.05299	0.2531	0.00078	0.98658	0.171229	0.0002	0.145376	0.00163
1.01E-07	0.011502	0.80421	0.00731	0.87481	-0.14182	0.00213	-0.10269	0.02648
0.07486	-0.04073	0.3799	0.017193	0.71095	0.035364	0.44582	-0.04872	0.29337
0.00874	0.072113	0.11965	-0.0361	0.43643	0.030975	0.5043	0.110307	0.0171
1.37E-08	-0.01401	0.76274	-0.24302	1.05E-07	-0.18365	6.55E-05	-0.10213	0.02733
0.00027	-0.04545	0.32709	0.115333	0.01263	-0.09835	0.0336	0.021305	0.64608
0.16134	-0.0699	0.13146	0.027339	0.55565	0.007704	0.86813	-0.0204	0.66014
0.01641	0.131376	0.00446	0.053793	0.24596	0.000619	0.98935	0.13918	0.00258
0.34786	-0.07734	0.09506	0.11389	0.01379	-0.02977	0.5211	-0.13093	0.0046
3.79E-16	0.109997	0.01741	0.07114	0.12474	-0.03378	0.46647	0.09434	0.04157
0.6589	-0.05463	0.2387	0.058973	0.20334	-0.01378	0.76655	-0.0139	0.76445
0.02059	0.186468	5.03E-05	0.199248	1.44E-05	0.090565	0.05048	0.223133	1.11E-06
3.88E-06	-0.09037	0.05097	0.005553	0.90474	-0.12005	0.00941	-0.14088	0.00228
0.78167	-0.0119	0.79763	-0.01017	0.82646	0.001354	0.97672	0.050341	0.27763
0.00109	-0.02745	0.55403	0.065825	0.15554	0.045212	0.3296	0.009556	0.83683
1.41E-08	0.015048	0.74568	0.180222	8.99E-05	0.055994	0.22714	0.091212	0.04885
6.57E-07	0.033471	0.47055	0.090263	0.05125	-0.04664	0.31455	0.089	0.05461
0.97368	0.023214	0.61681	0.11584	0.01224	0.0937	0.04298	0.136959	0.00302
1.07E-12	0.142747	0.00199	0.15949	0.00054	0.035061	0.44973	0.198942	1.48E-05
7.32E-08	-0.09892	0.03258	0.130252	0.00481	-0.02883	0.53427	-0.06619	0.15327
2.41E-07	0.057211	0.21719	0.153452	0.00088	0.062475	0.17772	0.133453	0.00386



0.03364	0.046324	0.31783	0.033333	0.47238	0.004077	0.92998	0.065337	0.15864
1.35E-06	0.041197	0.37439	-0.047	0.31078	0.026349	0.57005	0.068113	0.14164
0.00024	-0.13454	0.00358	-0.06536	0.15847	-0.19041	3.45E-05	-0.24427	9.00E-08
5.16E-09	0.087487	0.05887	0.104728	0.02361	-0.06775	0.14379	0.029664	0.52251
0.03521	-0.05532	0.23279	-0.10065	0.02964	-0.22431	9.74E-07	-0.26242	8.56E-09
1.86E-25	0.134266	0.00365	0.171974	0.00019	0.123666	0.00746	0.265646	5.53E-09
0.19755	-0.08759	0.05856	-0.11699	0.01141	-0.11158	0.01585	-0.1598	0.00053
0.00184	-0.14555	0.00161	0.020099	0.66485	-0.11302	0.01454	-0.15704	0.00066
9.54E-11	0.121881	0.00837	0.170436	0.00022	0.143911	0.00182	0.251645	3.54E-08
0.36473	0.013167	0.77657	0.11572	0.01233	0.133459	0.00386	0.096953	0.03622
6.85E-07	0.178261	0.00011	0.233951	3.17E-07	0.179766	9.37E-05	0.333143	1.44E-13
0.11802	-0.10862	0.01887	-0.02995	0.51846	-0.11448	0.01331	-0.13088	0.00461
1.60E-06	0.026191	0.57237	0.049063	0.29003	-0.06854	0.13913	0.034013	0.4634
3.07E-06	0.012961	0.77997	0.156001	0.00072	0.056592	0.22221	0.120057	0.00941
4.82E-24	0.170972	0.00021	0.348393	8.98E-15	0.320584	1.27E-12	0.479243	3.44E-28
1.03E-06	-0.00879	0.84978	-0.02977	0.52108	-0.06748	0.14541	-0.03302	0.47658
6.35E-08	0.089631	0.05291	0.116486	0.01176	0.077518	0.09429	0.196534	1.89E-05
3.34E-06	0.115282	0.01267	0.220187	1.55E-06	0.107892	0.01969	0.181097	8.30E-05
0.43755	0.00574	0.90155	0.10705	0.02068	-0.1388	0.00265	-0.08598	0.06338
0.16747	0.193123	2.65E-05	0.234965	2.80E-07	0.239211	1.68E-07	0.370811	1.14E-16
2.30E-06	0.074833	0.10629	0.093007	0.04455	-0.02134	0.64553	0.099322	0.03188
0.0267	0.070339	0.12906	0.268531	3.72E-09	0.27202	2.29E-09	0.256211	1.96E-08
0.04364	0.067129	0.1475	0.022637	0.6256	0.047095	0.30984	0.116994	0.0114
0.70425	0.172912	0.00017	0.217523	2.08E-06	0.287226	2.55E-10	0.324152	6.92E-13
0.58134	0.024301	0.60041	0.094733	0.04073	-0.03897	0.40085	-0.00082	0.98586
0.30225	-0.16163	0.00045	0.071916	0.12067	-0.17271	0.00018	-0.25493	2.31E-08
4.25E-11	0.093821	0.04271	0.185333	5.59E-05	0.051934	0.26269	0.172802	0.00018
0.01385	-0.07133	0.12373	0.059358	0.2004	-0.10313	0.02584	-0.09051	0.05061
0.18041	0.261444	9.77E-09	-0.06461	0.16332	-0.0288	0.53469	0.090177	0.05148
4.32E-09	0.060783	0.18978	0.201803	1.11E-05	0.122189	0.00821	0.195679	2.06E-05
1.80E-23	0.105285	0.02288	0.095662	0.03878	-0.02479	0.59304	0.113134	0.01444
0.0566	0.01998	0.66672	0.123827	0.00738	-0.02404	0.60436	0.04051	0.38242
0.37579	0.223482	1.07E-06	-0.01352	0.77067	-0.07291	0.11562	0.125009	0.00683
5.51E-52	0.133227	0.00392	0.009902	0.83101	-0.00348	0.94027	0.059815	0.19695
4.84E-18	0.092381	0.04601	-0.01965	0.67197	-0.008	0.86302	0.039812	0.39069
9.36E-16	0.042875	0.35523	0.002389	0.95894	0.013263	0.77499	0.015747	0.7343
4.07E-10	0.059482	0.19945	-0.0289	0.53336	-0.03417	0.4613	-0.01868	0.68724
3.67E-12	0.062932	0.17457	0.048882	0.29181	-0.03973	0.39163	0.005959	0.89782
3.02E-18	0.04809	0.29971	-0.00675	0.88431	-0.0329	0.47819	-0.03029	0.51374
6.22E-27	0.190876	3.30E-05	0.186626	4.95E-05	0.343605	2.18E-14	0.403801	9.64E-20
5.47E-22	0.12181	0.00841	0.053421	0.24925	-0.03674	0.42835	0.059351	0.20045
5.97E-26	0.115114	0.0128	0.024917	0.5912	0.002009	0.96546	0.042395	0.36065
1.74E-29	0.147827	0.00136	0.018194	0.69494	0.006405	0.89021	0.061171	0.18697
0.05588	0.071254	0.12413	0.00627	0.8925	0.10835	0.01918	0.093042	0.04447
9.51E-15	0.080038	0.08403	0.008894	0.84798	-0.03378	0.46647	0.024313	0.60023

6.19E-38	0.163324	0.00039	0.021669	0.64044	0.047664	0.30402	0.086596	0.0615
8.30E-17	0.10071	0.02955	0.048515	0.29545	0.037161	0.42302	0.046838	0.31249
1.61E-47	0.136142	0.0032	-0.00448	0.923	-0.01302	0.77897	0.059678	0.19798
7.06E-12	0.127669	0.00573	-0.0037	0.93636	-0.02432	0.60013	0.011875	0.798
1.07E-21	0.096549	0.037	-0.04313	0.35238	-0.11165	0.01579	0.005184	0.91105
1.00E-48	0.121663	0.00849	-0.00773	0.8677	-0.01178	0.79962	0.023502	0.61244
1.33E-10	0.160645	0.00049	0.039462	0.39487	0.020347	0.66097	0.089607	0.05298
2.49E-12	0.068399	0.13998	-0.05644	0.22345	-0.01968	0.67139	-0.01355	0.77029
9.25E-16	0.167037	0.00029	0.004003	0.93125	0.046233	0.31878	0.068939	0.13687
6.30E-36	0.112044	0.01542	-0.01189	0.79766	-0.04257	0.35872	0.007227	0.87623
3.19E-18	0.102298	0.02707	-0.03846	0.40699	-0.007	0.88009	0.048912	0.29151
2.55E-26	0.134511	0.00359	-0.03646	0.43178	0.001715	0.97051	0.040076	0.38754
1.25E-18	0.08712	0.05994	-0.03949	0.39449	-0.0017	0.97085	0.075493	0.10324
2.00E-53	0.122755	0.00791	-0.00877	0.85	-0.04274	0.35676	0.047719	0.30346
2.58E-30	0.144662	0.00172	0.016094	0.72867	0.022438	0.62864	0.076879	0.09704
3.54E-20	0.212241	3.71E-06	0.221685	1.31E-06	0.338515	5.52E-14	0.399341	2.63E-19
7.33E-38	0.152311	0.00096	0.003273	0.94377	0.00029	0.99501	0.063353	0.1717
1.25E-14	0.086099	0.06302	-0.00144	0.97522	0.00661	0.88671	0.003859	0.93371
1.04E-08	0.186135	5.19E-05	0.034765	0.45356	0.023688	0.60963	0.040958	0.37717
1.53E-20	0.104689	0.02367	0.074924	0.10587	0.125173	0.00676	0.136084	0.00321
3.74E-10	0.123025	0.00778	0.008684	0.85153	0.047387	0.30684	0.01509	0.74499
1.74E-47	0.136514	0.00312	0.00072	0.98761	0.023574	0.61135	0.061729	0.18297
1.01E-20	0.170722	0.00021	0.033789	0.46634	0.217049	2.20E-06	0.347765	1.01E-14
1.79E-07	0.069169	0.13556	0.067962	0.14253	0.035561	0.44328	0.041199	0.37438
1.78E-25	0.070513	0.12811	-0.01324	0.77543	-0.04995	0.28141	0.006536	0.88797
8.69E-20	0.042414	0.36043	0.02472	0.59413	-0.00655	0.88778	-0.00202	0.96525
3.41E-25	0.078929	0.08843	0.026708	0.5648	-0.00121	0.9792	0.06226	0.17922
2.51E-13	0.07763	0.09381	-0.05428	0.24171	-0.08304	0.073	0.006155	0.89446
8.99E-42	0.130917	0.0046	0.041314	0.37304	0.002126	0.96345	0.064621	0.16326
8.26E-33	0.135624	0.00332	0.009656	0.83514	0.006815	0.88322	0.058911	0.20381
7.02E-11	0.098378	0.03355	0.048014	0.30048	0.001271	0.97814	0.029323	0.52731
6.54E-30	0.130403	0.00476	0.006385	0.89054	0.005226	0.91032	0.047008	0.31073
3.92E-37	0.134435	0.00361	-0.01002	0.82898	-0.00775	0.86737	0.0359	0.43895
1.77E-21	0.112585	0.01492	-0.04713	0.30948	-0.03967	0.39235	-0.01144	0.80517
6.44E-17	0.108285	0.01925	0.004638	0.92037	0.003262	0.94395	0.038343	0.40842
6.11E-32	0.205717	7.41E-06	0.033099	0.47551	0.033461	0.47069	0.102881	0.0262
4.29E-08	0.148541	0.00129	-0.02817	0.54367	-0.01339	0.77283	0.078494	0.0902
0.00102	0.177351	0.00012	0.069026	0.13637	0.024786	0.59315	0.090438	0.0508
2.70E-23	0.136841	0.00304	-0.02507	0.58894	-0.06497	0.16101	-0.01767	0.70334
1.62E-22	0.118905	0.01012	0.005804	0.90046	0.014082	0.7615	0.05878	0.20482
1.07E-18	0.115993	0.01213	-0.02456	0.59656	0.045828	0.32305	0.096655	0.03679
9.52E-53	0.161138	0.00047	-0.00287	0.95076	-0.01546	0.73896	0.116555	0.01172
8.01E-05	0.041703	0.36855	-0.01503	0.74598	-0.02251	0.62747	-0.01411	0.76104
5.98E-13	0.125485	0.00662	0.002408	0.95861	0.053916	0.24489	0.081833	0.07729
1.94E-23	0.164005	0.00037	0.000898	0.98455	0.002979	0.94881	0.038658	0.40458

8.67E-85	0.160328	0.00051	0.046474	0.31626	0.023137	0.61797	0.09866	0.03304
4.57E-42	0.203085	9.73E-06	0.038974	0.40074	0.03385	0.46554	0.101606	0.02813
2.76E-10	0.051575	0.26601	0.017481	0.70633	-0.03608	0.43661	0.047241	0.30834
0.03138	0.043061	0.35315	-0.02397	0.60532	0.039581	0.39344	0.067939	0.14267
0.24675	-0.04131	0.37309	-0.00616	0.89431	-0.01788	0.69987	-0.03277	0.47992
4.90E-26	0.100937	0.02918	0.017533	0.7055	-0.00353	0.93941	0.044046	0.34224
1.70E-71	0.164795	0.00035	0.010332	0.82379	0.005686	0.90247	0.070079	0.13048
5.90E-22	0.12536	0.00668	0.015338	0.74096	0.082663	0.07432	0.155485	0.00075
9.15E-06	0.067559	0.14492	-0.05637	0.22402	-0.04397	0.34307	-0.02907	0.53084
1.84E-08	0.158354	0.00059	-0.00944	0.83878	-0.04584	0.32288	0.068396	0.13999
4.80E-46	0.144518	0.00174	0.025853	0.57733	-0.01023	0.82543	0.054475	0.24002
2.72E-06	0.151045	0.00106	-0.02189	0.63701	-0.0121	0.79418	0.059351	0.20045
1.78E-15	0.077505	0.09434	-0.0459	0.32231	-0.05618	0.22561	0.006152	0.89452
1.67E-05	0.017461	0.70665	-0.03333	0.47242	-0.00096	0.98349	-0.01731	0.70916
2.08E-45	0.134591	0.00357	0.002635	0.95472	-0.00932	0.84073	0.046054	0.32066
2.01E-12	0.170224	0.00022	0.001575	0.97292	0.01414	0.76054	0.054845	0.23684
9.04E-13	0.071732	0.12163	0.003214	0.94477	-0.00313	0.94615	0.002237	0.96155
2.56E-28	0.110446	0.01696	0.003294	0.94341	-0.01242	0.78889	0.027203	0.55761
1.75E-56	0.123445	0.00757	0.002653	0.9544	-0.01249	0.78781	0.048006	0.30056
9.68E-53	0.130452	0.00475	0.015759	0.73411	0.016076	0.72898	0.07172	0.12169
1.24E-07	0.097937	0.03436	0.017592	0.70456	0.011768	0.79977	0.046125	0.31992
2.77E-22	0.142755	0.00198	0.004171	0.92837	-0.00042	0.99285	0.048611	0.29451
1.46E-17	0.104404	0.02405	0.016785	0.71752	-0.03038	0.51254	0.062709	0.17611
5.91E-15	0.099643	0.03133	0.071205	0.12439	-0.00197	0.96616	0.065197	0.15954
1.19E-12	0.066298	0.15259	-0.04983	0.28257	-0.0746	0.10737	-0.03845	0.40715
8.61E-21	0.139126	0.00259	-0.02092	0.65199	0.005325	0.90864	0.042222	0.36262
1.57E-23	0.10792	0.01966	0.024971	0.59039	0.009351	0.84027	0.028637	0.53702
1.69E-22	0.124293	0.00716	0.095368	0.03939	0.040779	0.37927	0.092678	0.04531
8.43E-18	0.260216	1.15E-08	0.073719	0.11162	0.142701	0.00199	0.273311	1.91E-09
1.62E-12	0.087275	0.05949	-0.0683	0.14057	-0.04648	0.31618	-0.0012	0.97943
1.02E-19	0.111053	0.01636	-0.02447	0.5979	-0.00374	0.93583	0.028735	0.53563
0.10607	0.085236	0.06571	0.058215	0.20921	0.00851	0.85447	0.072069	0.11988
1.48E-10	0.046418	0.31685	-0.01198	0.79626	-0.0103	0.82436	-0.01305	0.77843
1.00E-26	0.099314	0.03189	0.043321	0.35025	-0.00971	0.83431	0.064737	0.16251
6.31E-26	0.124871	0.0069	0.064852	0.16176	0.089277	0.05386	0.118032	0.01069
9.85E-30	0.102409	0.0269	0.095033	0.04009	0.019917	0.6677	0.064971	0.16099
6.80E-06	0.05308	0.25229	0.024098	0.60346	0.014013	0.76263	0.02121	0.64755
0.28515	0.003653	0.93724	-0.0065	0.88852	-0.03581	0.44011	-0.01212	0.794
1.42E-22	0.108968	0.0185	0.018221	0.69451	0.018152	0.69562	0.034201	0.46092
5.40E-19	0.10392	0.02472	-0.05026	0.27843	-0.01331	0.77424	0.007044	0.87933
3.77E-15	0.102895	0.02618	0.001692	0.9709	-0.01611	0.72843	0.046247	0.31864
7.22E-11	0.100155	0.03046	0.011813	0.79903	0.009942	0.83033	0.039812	0.39068
7.26E-14	0.234154	3.09E-07	0.029376	0.52657	-0.03429	0.45975	0.058678	0.20561
9.11E-11	0.059608	0.1985	-0.03158	0.49597	0.000903	0.98447	-0.00355	0.93894
4.30E-18	0.101639	0.02808	0.024556	0.59659	0.006486	0.88883	0.025987	0.57536

3.35E-39	0.174303	0.00015	-0.02881	0.53462	-0.02361	0.61075	0.030504	0.5108
5.82E-18	0.127726	0.00571	0.026959	0.56115	0.045871	0.32259	0.04673	0.31361
4.12E-37	0.184913	5.82E-05	0.093572	0.04327	0.092814	0.045	0.17187	0.00019
1.87E-18	0.08625	0.06255	-0.02085	0.65311	-0.01672	0.71859	0.011601	0.80256
1.14E-19	0.136979	0.00302	0.024202	0.60189	-0.00262	0.95495	0.035811	0.44009
1.81E-14	0.031298	0.49986	0.026598	0.56641	-0.02606	0.57422	-0.00076	0.987
6.96E-26	0.148286	0.00131	0.149091	0.00123	0.079892	0.0846	0.165647	0.00032
1.17E-17	0.064937	0.16121	-0.00281	0.95174	-0.02485	0.59217	-0.01391	0.76439
3.09E-06	0.024944	0.5908	-0.05495	0.23596	0.000816	0.98597	-0.0173	0.7092
2.93E-41	0.134438	0.00361	0.029917	0.51897	0.001163	0.97999	0.057038	0.21859
2.13E-24	0.118324	0.01049	-0.0047	0.91937	0.017716	0.70257	0.043908	0.34376
2.18E-05	0.124111	0.00725	-0.03969	0.3921	-0.07697	0.09664	0.002289	0.96065
2.83E-19	0.101921	0.02764	-0.00983	0.83218	0.001457	0.97495	0.028214	0.54306
1.88E-24	0.135214	0.00342	-0.0061	0.89543	-0.01746	0.70663	0.042463	0.35988
1.01E-33	0.126765	0.00609	-0.00739	0.87343	0.010113	0.82746	0.041561	0.37018
0.64455	0.04206	0.36447	0.057802	0.21247	0.032538	0.48302	0.039776	0.39111
1.16E-30	0.137716	0.00286	0.020426	0.65974	0.004768	0.91815	0.053268	0.25061
1.37E-21	0.127042	0.00597	-0.02764	0.55134	-0.01749	0.70626	0.023378	0.61433
2.95E-21	0.11846	0.0104	0.006922	0.88141	0.00021	0.99639	0.033959	0.46411
9.36E-17	0.080965	0.08049	-0.02694	0.56145	0.005556	0.90469	0.021747	0.63925
7.38E-17	0.189679	3.70E-05	-0.05473	0.23779	-0.03405	0.4629	0.026831	0.56301
7.36E-26	0.117649	0.01094	-0.01128	0.80784	-0.0042	0.92783	0.047966	0.30097
2.61E-64	0.150707	0.00109	0.048059	0.30003	0.024542	0.59679	0.073738	0.11152
3.11E-10	0.071101	0.12495	-0.03705	0.42442	-0.06477	0.16228	0.027017	0.5603
2.96E-42	0.110582	0.01682	0.07717	0.09578	0.033671	0.46791	0.088384	0.05631
8.39E-31	0.153854	0.00085	0.031853	0.49229	0.012401	0.78925	0.084313	0.0687
1.74E-05	0.046038	0.32083	-0.11325	0.01434	-0.05136	0.26803	-0.00203	0.96517
3.21E-46	0.138254	0.00275	0.004768	0.91815	-0.01492	0.74782	0.036806	0.42748
1.99E-24	0.089136	0.05424	-0.00997	0.82991	0.009137	0.84389	0.015762	0.73407
4.35E-08	0.018293	0.69337	0.00571	0.90205	0.001392	0.97606	-0.03402	0.46332
3.27E-08	0.042795	0.35614	-0.01699	0.71424	0.022569	0.62664	-0.00034	0.99413
7.66E-25	0.103913	0.02473	0.024252	0.60114	0.009293	0.84125	0.032292	0.48633
1.21E-13	0.105314	0.02284	-0.00483	0.91707	-0.0181	0.69637	0.026532	0.56738
2.11E-51	0.133806	0.00377	0.071559	0.12253	0.033987	0.46374	0.105794	0.02222
1.89E-24	0.24883	5.07E-08	0.009562	0.83673	0.072386	0.11826	0.150462	0.00111
4.26E-05	0.022801	0.62309	0.066292	0.15262	0.045008	0.33179	0.015574	0.73711
2.87E-38	0.129415	0.00509	-0.0025	0.95698	0.011707	0.8008	0.059962	0.19584
4.42E-20	0.095884	0.03833	-0.02042	0.65984	-0.01433	0.75751	0.062891	0.17485
1.44E-09	0.29629	6.45E-11	0.045712	0.32427	0.022861	0.62217	0.081008	0.08033
2.56E-12	0.097362	0.03543	-0.00023	0.99607	0.015861	0.73245	0.041381	0.37227
4.75E-29	0.142517	0.00202	0.016774	0.71769	-0.03186	0.49224	0.052232	0.25996
5.26E-14	0.139262	0.00256	-0.03596	0.43817	0.030014	0.51762	0.140789	0.00229
2.12E-17	0.13519	0.00342	-0.06852	0.13927	-0.00349	0.94009	0.059313	0.20073
6.28E-48	0.111884	0.01557	0.028452	0.53965	0.002886	0.95041	0.067718	0.14398
1.40E-11	0.110158	0.01725	0.038693	0.40414	0.017472	0.70648	0.048308	0.29752

1.16E-14	0.099651	0.03131	-0.02024	0.66258	-0.03058	0.50982	0.013253	0.77515
1.65E-07	0.103525	0.02527	-0.11196	0.0155	-0.06838	0.14011	0.021145	0.64855
2.90E-23	0.125332	0.00669	0.053906	0.24498	0.013865	0.76506	0.073002	0.11515
1.21E-20	0.13303	0.00398	0.070843	0.12633	0.014516	0.75438	0.070715	0.12702
1.69E-21	0.171612	0.00019	0.036405	0.43253	0.008695	0.85135	0.070258	0.1295
4.33E-27	0.104299	0.02419	0.033453	0.47079	0.030964	0.50444	0.046877	0.31208
2.48E-46	0.125858	0.00646	0.025741	0.57899	0.017425	0.70724	0.056988	0.21899
2.20E-17	0.125779	0.0065	-0.06329	0.1721	-0.05325	0.25078	0.008695	0.85134
1.30E-36	0.171982	0.00019	-0.00488	0.91623	-0.01565	0.73588	0.044183	0.34074
3.66E-25	0.146715	0.00148	-0.00839	0.85649	0.012118	0.79395	0.075857	0.10158
3.53E-10	0.06921	0.13532	-0.01173	0.80045	-0.04138	0.37231	0.008222	0.85935
1.14E-31	0.139045	0.0026	0.023749	0.60871	0.002969	0.94898	0.057479	0.21504
8.46E-16	0.078526	0.09007	0.00196	0.96631	0.008837	0.84895	0.032001	0.49028
5.36E-25	0.113532	0.0141	0.009733	0.83384	0.027139	0.55854	0.062445	0.17793
0.29207	0.083171	0.07255	0.059187	0.2017	0.011078	0.81128	0.049617	0.28461
1.47E-43	0.197832	1.66E-05	0.074526	0.10774	0.05471	0.238	0.141803	0.00213
4.76E-17	0.09801	0.03422	-0.02775	0.5497	-0.0301	0.51641	0.002506	0.95693
2.16E-32	0.129589	0.00504	0.025393	0.58413	-0.00352	0.93953	0.056855	0.22007
2.84E-27	0.099799	0.03106	0.007551	0.87072	0.001517	0.97391	0.031963	0.4908
5.90E-33	0.128907	0.00527	0.010201	0.82599	0.006555	0.88765	0.048229	0.29832
1.81E-20	0.104948	0.02332	-0.01145	0.80516	0.015716	0.73481	0.030617	0.50925
7.44E-68	0.131584	0.00439	0.026339	0.5702	0.017852	0.7004	0.082439	0.07511
1.13E-12	0.185326	5.60E-05	-0.01277	0.78318	-0.033	0.47685	0.030658	0.50867
3.46E-43	0.136316	0.00316	0.028272	0.54223	-0.00876	0.85029	0.064562	0.16364
7.49E-18	0.098069	0.03411	-0.04417	0.34086	0.018872	0.68418	0.050001	0.2809
2.77E-15	0.096726	0.03666	-0.01268	0.78463	-0.03628	0.43409	0.013197	0.77608
1.07E-48	0.186589	4.97E-05	0.014652	0.75216	0.021171	0.64815	0.093707	0.04296
4.36E-34	0.143025	0.00195	0.011023	0.81221	-0.03473	0.454	0.043527	0.34796
3.02E-31	0.293097	1.05E-10	0.081975	0.07677	0.181972	7.65E-05	0.30195	2.67E-11
1.00E-36	0.103306	0.02558	0.066614	0.15064	-0.0178	0.70116	0.059596	0.19859
2.97E-28	0.131643	0.00438	0.000134	0.99769	-0.01062	0.81888	0.044164	0.34094
5.11E-14	0.087326	0.05934	-0.07484	0.10626	-0.01685	0.71645	0.006205	0.89361
1.01E-16	0.124887	0.00689	0.00674	0.8845	0.009932	0.8305	0.048558	0.29503
9.04E-40	0.129599	0.00503	0.004206	0.92776	-0.01154	0.80352	0.04541	0.32749
6.88E-22	0.124428	0.0071	1.30E-05	0.99978	0.018725	0.68651	0.057937	0.2114
3.68E-39	0.14332	0.0019	0.040265	0.3853	0.011339	0.80693	0.069155	0.13564
3.18E-25	0.144752	0.00171	-0.01141	0.80578	0.025612	0.58089	0.079275	0.08703
1.60E-40	0.11728	0.0112	0.045765	0.32371	-0.00444	0.92379	0.059606	0.19851
6.08E-26	0.108644	0.01885	-0.01982	0.66921	0.008304	0.85796	0.029145	0.52982
1.82E-69	0.120385	0.00921	0.0132	0.77602	0.003951	0.93214	0.062203	0.17962
4.22E-10	0.067827	0.14332	0.044773	0.33432	-0.00685	0.88264	0.03065	0.50878
4.92E-24	0.11397	0.01373	-0.00902	0.8458	0.02385	0.60719	0.03817	0.41054
2.17E-14	0.091991	0.04694	-0.04287	0.35527	-0.04742	0.30652	0.001791	0.9692
8.53E-07	0.047718	0.30347	-0.06645	0.15166	-0.03093	0.50487	-0.04173	0.3682
3.56E-18	0.110197	0.01721	-0.01085	0.81507	-0.01743	0.70715	0.023089	0.61871

1.22E-36	0.114303	0.01345	-0.0032	0.94506	0.008916	0.84762	0.04029	0.38501
2.00E-49	0.136053	0.00322	0.039949	0.38905	0.024871	0.59189	0.086179	0.06277
3.66E-12	0.157399	0.00064	-0.03429	0.4598	-0.00671	0.88503	0.033388	0.47165
8.49E-11	0.064852	0.16176	-0.01307	0.77814	-0.00128	0.97802	0.00868	0.85161
4.01E-20	0.119884	0.00951	0.039732	0.39164	0.004841	0.91691	0.072202	0.1192
8.60E-12	0.083502	0.07142	0.021507	0.64296	0.045764	0.32372	0.038616	0.40509
4.91E-17	0.254034	2.60E-08	-0.00877	0.85015	-0.00547	0.90608	0.064151	0.16635
1.56E-30	0.125421	0.00665	-0.02392	0.60611	-0.01017	0.82653	0.034737	0.45393
2.24E-29	0.09722	0.0357	-0.01634	0.72464	-0.02858	0.5378	0.024083	0.60368
1.32E-21	0.112387	0.0151	0.013099	0.77769	0.017801	0.70121	0.018767	0.68584
4.48E-31	0.117367	0.01114	0.001129	0.98059	0.006962	0.88072	0.03703	0.42466
1.82E-15	0.10206	0.02743	-0.08066	0.08165	-0.08118	0.07967	-0.03255	0.48286
9.92E-38	0.144475	0.00175	-0.02503	0.58951	0.000535	0.9908	0.036381	0.43283
7.56E-34	0.143518	0.00188	0.007638	0.86924	0.021588	0.6417	0.048324	0.29737
7.62E-34	0.124364	0.00713	-6.16E-05	0.99894	0.004152	0.9287	0.043725	0.34578
1.66E-13	0.072456	0.1179	-0.10075	0.02949	-0.04681	0.31275	-0.03545	0.44475
1.81E-28	0.131363	0.00446	0.034571	0.45608	0.04035	0.38431	0.075168	0.10473
1.41E-05	0.04735	0.30722	-0.00996	0.83003	-0.00428	0.92644	0.026991	0.56069
8.93E-37	0.123515	0.00753	0.05661	0.22207	0.030029	0.51741	0.076961	0.09668
2.17E-28	0.118426	0.01043	-0.0031	0.94676	0.015142	0.74414	0.038162	0.41063
7.51E-20	0.128718	0.00534	0.015955	0.73093	0.000331	0.99431	0.050673	0.27447
9.72E-17	0.195453	2.10E-05	-0.02252	0.6274	-0.02231	0.63066	0.04094	0.37739
1.78E-08	0.084671	0.06753	0.010895	0.81434	0.00836	0.857	0.025027	0.58955
4.67E-26	0.141317	0.00221	-0.02649	0.56803	-0.02222	0.63204	0.02895	0.53258
4.46E-22	0.123987	0.00731	0.032758	0.48006	-0.01591	0.73165	0.059744	0.19748
1.95E-22	0.097587	0.03501	-0.06653	0.15116	-0.04711	0.30967	-0.0142	0.75954
8.49E-36	0.162356	0.00043	0.073546	0.11246	0.071937	0.12056	0.15724	0.00065
4.70E-12	0.248529	5.27E-08	0.002924	0.94975	0.097251	0.03565	0.204235	8.64E-06
1.92E-29	0.126481	0.0062	-0.00244	0.95808	-0.00341	0.94145	0.037611	0.41743
2.12E-07	0.050716	0.27406	-0.01163	0.80212	-0.00901	0.84598	0.007951	0.86393
2.47E-12	0.063929	0.16783	-0.05705	0.21852	-0.05384	0.24552	-0.03356	0.4694
4.25E-31	0.132718	0.00406	-0.00021	0.99647	0.015799	0.73346	0.077439	0.09462
1.62E-20	0.137361	0.00293	-0.00798	0.86348	-0.00817	0.8603	0.036204	0.43508
8.49E-40	0.116239	0.01195	-0.03184	0.49243	-0.02239	0.62935	0.022758	0.62375
1.07E-12	0.248604	5.22E-08	0.108846	0.01863	0.089012	0.05458	0.162201	0.00043
1.23E-25	0.102541	0.0267	0.019134	0.68003	0.011366	0.80648	0.039133	0.39882
2.25E-18	0.144427	0.00175	0.045773	0.32363	0.033967	0.464	0.089968	0.05202
1.57E-38	0.138967	0.00262	0.022014	0.63513	0.013664	0.76837	0.043369	0.34972
4.57E-08	0.087481	0.05889	-0.01507	0.74537	0.001102	0.98105	0.056895	0.21974
6.06E-24	0.136119	0.0032	-0.00527	0.90954	0.051284	0.26872	0.091259	0.04873
1.80E-07	0.08575	0.06409	-0.03379	0.46627	-0.02678	0.56381	0.024009	0.60478
8.51E-15	0.029669	0.52245	-0.0518	0.26396	-0.08508	0.06621	-0.03704	0.42449
3.08E-44	0.137073	0.00299	0.046006	0.32116	0.007558	0.8706	0.073295	0.11369
0.0774	0.015335	0.74101	-0.05671	0.22128	-0.02801	0.54598	-0.0229	0.62161
1.11E-05	0.077227	0.09553	-0.02863	0.53716	-0.04241	0.36047	0.010594	0.81939

2.84E-20	0.165804	0.00032	0.00411	0.92942	-0.0108	0.81592	0.052243	0.25986
2.49E-20	0.098581	0.03318	0.012842	0.78194	0.012654	0.78505	0.047916	0.30146
1.75E-23	0.110654	0.01675	-0.05248	0.25768	-0.03626	0.43433	0.030851	0.506
1.82E-15	0.160366	0.0005	-0.00019	0.99678	-0.01927	0.6779	0.037371	0.42041
3.55E-11	0.102142	0.0273	-0.06312	0.17331	-0.0025	0.95695	0.019441	0.67519
7.80E-24	0.12239	0.0081	-0.08981	0.05244	-0.07388	0.11083	-0.00397	0.93187
8.89E-12	0.0937	0.04298	-0.0634	0.17139	-0.01614	0.72795	0.048602	0.29459
3.93E-31	0.125228	0.00674	-0.0191	0.68062	0.010642	0.81859	0.070863	0.12622
3.23E-19	0.113286	0.01431	0.014981	0.74677	0.043032	0.35347	0.066506	0.1513
3.80E-15	0.106957	0.02079	-0.0143	0.75785	-0.02994	0.5186	0.034462	0.4575
1.81E-27	0.142193	0.00207	-0.02167	0.64044	0.041289	0.37333	0.076494	0.09873
0.00017	0.102061	0.02742	0.022699	0.62464	-0.00982	0.83232	0.023495	0.61254
3.31E-20	0.097793	0.03462	-0.04426	0.33987	-0.03303	0.47639	-0.014	0.76283
9.95E-13	0.085943	0.0635	-0.07702	0.09644	-0.05771	0.21321	0.006645	0.88612
0.04354	0.086187	0.06274	-0.06626	0.15285	-0.0284	0.54047	0.008152	0.86053
0.29207	0.083171	0.07255	0.059187	0.2017	0.011078	0.81128	0.049617	0.28461
1.07E-28	0.136947	0.00302	-0.01807	0.69689	0.004906	0.91579	0.048005	0.30057
5.18E-17	0.122551	0.00802	-0.03773	0.41597	-0.02154	0.64239	0.044459	0.33773
2.43E-24	0.102165	0.02727	0.04404	0.3423	0.028322	0.54151	0.043092	0.3528
1.10E-23	0.139939	0.00244	0.191121	3.22E-05	0.296729	6.02E-11	0.33712	7.10E-14
2.67E-21	0.183731	6.50E-05	-0.07573	0.10216	-0.019	0.6821	0.064195	0.16606
9.74E-22	0.105174	0.02302	0.009004	0.84613	0.013719	0.76746	0.048207	0.29854
5.91E-18	0.084241	0.06894	0.018605	0.68841	0.007151	0.87751	0.060739	0.1901
5.30E-05	0.043963	0.34315	0.061575	0.18407	-0.02057	0.6575	0.036317	0.43364
9.88E-26	0.101935	0.02762	-0.04218	0.36315	-0.02072	0.65521	0.016732	0.71838
4.40E-16	0.07088	0.12613	-0.03381	0.46602	-0.00879	0.84971	-0.00977	0.83321
2.21E-29	0.125447	0.00664	0.007578	0.87027	0.004999	0.9142	0.049441	0.28633
0.58938	0.018373	0.69209	0.597234	1.77E-46	0.825784	#####	0.615085	6.03E-50
0.16162	0.103091	0.02589	0.409093	2.87E-20	0.757692	3.18E-88	0.678998	2.10E-64
0.15584	0.208068	5.79E-06	0.424171	8.09E-22	0.819707	#####	0.825981	#####
1.62E-05	0.169443	0.00023	0.190482	3.42E-05	0.293311	1.02E-10	0.376826	3.33E-17
0.04049	0.040752	0.37959	0.435597	4.78E-23	0.810484	#####	0.61588	4.17E-50
0.04801	-0.02776	0.54959	0.568612	2.37E-41	0.849954	#####	0.567916	3.12E-41
0.31772	0.111178	0.01623	0.495801	2.42E-30	0.378161	2.53E-17	0.288576	2.08E-10
0.92373	0.047608	0.30459	0.387755	3.33E-18	0.716986	6.92E-75	0.587762	1.00E-44
0.08309	0.10502	0.02323	0.302915	2.29E-11	0.563261	1.90E-40	0.51681	2.99E-33
0.56341	0.065832	0.1555	0.086835	0.06079	0.391535	1.47E-18	0.339141	4.93E-14
0.07643	-0.06862	0.13871	0.607116	2.27E-48	0.642919	8.08E-56	0.387916	3.21E-18
0.21872	0.050215	0.27884	0.579224	3.41E-43	0.841302	#####	0.704221	3.54E-71
7.28E-06	0.281323	6.07E-10	0.623747	1.04E-51	0.837132	#####	0.79008	#####
0.83296	0.052223	0.26004	0.511936	1.47E-32	0.853077	#####	0.692732	5.26E-68
0.00036	0.313666	4.03E-12	0.480069	2.70E-28	0.744449	1.32E-83	0.679586	1.49E-64
0.01088	-0.034	0.46358	0.316629	2.47E-12	0.452393	6.13E-25	0.355816	2.20E-15
0.00261	-0.01261	0.78583	0.43987	1.61E-23	0.547763	6.40E-38	0.445487	3.79E-24
0.58914	0.083859	0.07021	0.588962	6.06E-45	0.88754	#####	0.750279	1.33E-85

0.04005	-0.03162	0.49548	0.462499	3.96E-26	0.447328	2.34E-24	0.345774	1.46E-14
0.42262	0.078233	0.09128	0.481318	1.87E-28	0.423453	9.62E-22	0.351378	5.12E-15
0.37371	0.09859	0.03317	0.372452	8.17E-17	0.541333	6.55E-37	0.431315	1.40E-22
0.66079	0.001551	0.97333	0.260814	1.06E-08	0.554047	6.27E-39	0.37335	6.80E-17
0.00517	0.215783	2.52E-06	0.287256	2.54E-10	0.635474	3.45E-54	0.526751	1.07E-34
6.97E-06	0.113297	0.0143	0.51754	2.35E-33	0.70842	2.25E-72	0.633159	1.08E-53
0.03088	0.168742	0.00025	0.292343	1.18E-10	0.53773	2.36E-36	0.470633	4.08E-27
0.80743	0.089448	0.0534	0.27218	2.24E-09	0.577692	6.36E-43	0.515815	4.15E-33
0.69886	0.27391	1.76E-09	0.25807	1.53E-08	0.688913	5.53E-67	0.627394	1.81E-52
0.15339	0.103158	0.0258	0.381988	1.13E-17	0.707734	3.53E-72	0.647668	6.98E-57
0.11733	0.116589	0.01169	0.547521	6.99E-38	0.862508	#####	0.703023	7.71E-71
0.0032	0.028789	0.53486	0.682582	2.52E-65	0.881713	#####	0.67697	6.88E-64
0.00361	-0.06271	0.17611	0.191663	3.05E-05	0.465552	1.70E-26	0.349613	7.15E-15
0.47714	-0.01762	0.70418	0.620122	5.77E-51	0.785032	9.06E-99	0.545199	1.63E-37
0.33158	0.160384	0.0005	0.218768	1.82E-06	0.476513	7.59E-28	0.415771	6.04E-21
0.00214	0.085735	0.06414	0.342247	2.80E-14	0.68411	1.01E-65	0.534232	8.07E-36
0.02318	0.015563	0.7373	0.542491	4.33E-37	0.90424	#####	0.670926	2.23E-62
0.33145	0.180655	8.64E-05	0.514807	5.78E-33	0.89479	#####	0.785654	5.01E-99
0.18579	0.237289	2.12E-07	0.443774	5.91E-24	0.705261	1.80E-71	0.596312	2.64E-46
0.14612	0.175514	0.00014	0.419263	2.64E-21	0.823721	#####	0.776926	1.74E-95
0.00136	0.211891	3.85E-06	0.246692	6.65E-08	0.58102	1.64E-43	0.53974	1.16E-36
0.00218	0.268473	3.75E-09	0.447427	2.28E-24	0.81249	#####	0.765945	2.96E-91
0.14514	0.107918	0.01966	0.596886	2.06E-46	0.536432	3.73E-36	0.436579	3.73E-23
0.72879	0.07863	0.08964	0.56022	6.10E-40	0.612214	2.25E-49	0.53229	1.59E-35
0.90845	0.114503	0.01329	0.554968	4.44E-39	0.946606	#####	0.820443	#####
0.00242	0.032588	0.48234	0.483043	1.13E-28	0.470553	4.17E-27	0.359494	1.08E-15
0.03364	0.099134	0.03221	0.472113	2.68E-27	0.773944	2.58E-94	0.727717	3.63E-78
0.47572	0.047747	0.30318	0.529629	3.98E-35	0.758623	1.47E-88	0.547711	6.52E-38
0.06013	-0.03178	0.49324	0.552456	1.13E-38	0.708506	2.12E-72	0.511634	1.63E-32
0.53921	-0.01195	0.79679	0.464587	2.22E-26	0.580926	1.70E-43	0.371387	1.01E-16
0.03117	0.044516	0.33711	0.418378	3.26E-21	0.750308	1.30E-85	0.596188	2.78E-46
0.10809	-0.03224	0.48706	0.337028	7.22E-14	0.355962	2.14E-15	0.350167	6.44E-15
0.0067	0.038411	0.40759	0.21518	2.70E-06	0.465866	1.56E-26	0.37982	1.79E-17
0.17523	0.014871	0.74858	0.525644	1.56E-34	0.578483	4.62E-43	0.454017	3.97E-25
0.01744	0.183858	6.42E-05	0.343208	2.35E-14	0.461934	4.62E-26	0.358957	1.20E-15
0.00951	0.050617	0.27501	0.600087	5.11E-47	0.89922	#####	0.722489	1.50E-76
0.05289	0.169923	0.00023	0.503402	2.26E-31	0.907647	#####	0.84424	#####
2.83E-05	0.178993	0.0001	0.604833	6.29E-48	0.766313	2.16E-91	0.533533	1.03E-35
0.08702	0.09552	0.03908	0.404235	8.74E-20	0.736592	5.32E-81	0.688752	6.10E-67
4.11E-06	0.051256	0.26898	0.532059	1.72E-35	0.675564	1.56E-63	0.571157	8.70E-42
0.33846	0.041484	0.37107	0.457638	1.50E-25	0.595866	3.20E-46	0.446582	2.85E-24
0.0872	0.075806	0.10181	0.423665	9.14E-22	0.719704	1.06E-75	0.625654	4.17E-52
0.00017	0.010323	0.82393	0.605378	4.93E-48	0.869447	#####	0.646034	1.63E-56
1.92E-05	0.121043	0.00883	0.55941	8.31E-40	0.620834	4.13E-51	0.523337	3.40E-34
5.20E-06	0.162552	0.00042	0.318933	1.68E-12	0.471319	3.36E-27	0.274475	1.62E-09



0.00112	-0.03861	0.40514	0.563014	2.09E-40	0.774986	1.01E-94	0.533858	9.20E-36
0.05201	0.095111	0.03993	0.460312	7.22E-26	0.852957	#####	0.746028	3.84E-84
0.28797	0.093998	0.04232	0.400731	1.93E-19	0.551538	1.60E-38	0.495973	2.29E-30
1.99E-07	-0.05095	0.27187	0.350009	6.63E-15	0.595865	3.20E-46	0.346845	1.20E-14
0.00347	0.185974	5.27E-05	0.377837	2.70E-17	0.565529	7.91E-41	0.508548	4.40E-32
0.11372	0.13545	0.00336	0.391154	1.60E-18	0.675763	1.39E-63	0.61658	3.02E-50
0.04565	0.108901	0.01857	0.539501	1.26E-36	0.899525	#####	0.727946	3.08E-78
3.03E-05	-0.03205	0.48958	0.507968	5.30E-32	0.578066	5.47E-43	0.445421	3.85E-24
0.32029	0.112535	0.01497	0.545934	1.25E-37	0.838377	#####	0.758103	2.26E-88
0.72889	-0.0053	0.90912	0.466444	1.32E-26	0.622573	1.81E-51	0.461915	4.65E-26
0.00269	-0.02052	0.65835	0.445007	4.29E-24	0.49492	3.17E-30	0.285188	3.45E-10
0.27687	0.084865	0.0669	0.393357	9.88E-19	0.844849	#####	0.682717	2.33E-65
0.52514	0.113774	0.01389	0.236303	2.39E-07	0.570905	9.62E-42	0.402772	1.22E-19
0.91989	0.015217	0.74293	0.370791	1.15E-16	0.741883	9.57E-83	0.532914	1.28E-35
9.34E-15	0.128896	0.00528	0.348254	9.22E-15	0.685418	4.61E-66	0.651063	1.18E-57
0.25886	0.090727	0.05006	0.51971	1.14E-33	0.89711	#####	0.730514	4.78E-79
0.39311	0.048205	0.29856	0.405331	6.81E-20	0.796098	#####	0.611564	3.03E-49
0.32962	0.100946	0.02917	0.484385	7.59E-29	0.901972	#####	0.755163	2.55E-87
0.38033	0.059645	0.19822	0.516859	2.95E-33	0.739544	5.72E-82	0.573327	3.68E-42
0.00435	0.018661	0.68752	0.327555	3.85E-13	0.468852	6.74E-27	0.381643	1.22E-17
0.39841	0.022046	0.63464	0.440894	1.24E-23	0.64344	6.19E-56	0.453207	4.93E-25
7.40E-18	0.047208	0.30867	0.364874	3.75E-16	0.377126	3.13E-17	0.263	7.92E-09
1.29E-05	0.091015	0.04934	0.608298	1.33E-48	0.841032	#####	0.701717	1.79E-70
0.00185	-0.08049	0.08229	0.579464	3.10E-43	0.621212	3.45E-51	0.312105	5.21E-12
2.35E-10	0.097992	0.03426	0.272881	2.03E-09	0.480519	2.37E-28	0.396714	4.72E-19
0.10006	-0.0156	0.73666	0.316431	2.55E-12	0.442223	8.83E-24	0.363337	5.08E-16
5.81E-07	-0.02957	0.52388	0.44906	1.48E-24	0.467923	8.75E-27	0.379828	1.78E-17
0.02953	0.279645	7.74E-10	0.516358	3.47E-33	0.754778	3.50E-87	0.683988	1.09E-65
3.70E-05	0.208524	5.51E-06	0.645934	1.72E-56	0.742528	5.83E-83	0.715769	1.59E-74
0.39164	0.115017	0.01288	0.636796	1.78E-54	0.722719	1.28E-76	0.640881	2.28E-55
0.31802	0.110266	0.01714	0.284948	3.57E-10	0.561614	3.58E-40	0.506861	7.55E-32
0.98653	0.097115	0.0359	0.402967	1.16E-19	0.727832	3.34E-78	0.630137	4.77E-53
0.36305	0.018653	0.68765	-0.06957	0.1333	-0.06439	0.16477	-0.04168	0.36878
0.00068	0.016851	0.71646	0.500297	5.99E-31	0.638325	8.29E-55	0.52826	6.38E-35
0.00559	0.052557	0.257	0.416739	4.81E-21	0.44332	6.65E-24	0.429929	1.97E-22
5.04E-13	0.19794	1.64E-05	0.23304	3.53E-07	0.36175	6.94E-16	0.466915	1.16E-26
0.00079	0.183341	6.74E-05	0.08372	0.07068	0.22575	8.26E-07	0.332648	1.58E-13
0.04024	0.248212	5.49E-08	0.291678	1.31E-10	0.408722	3.13E-20	0.469162	6.18E-27
0.67447	0.109271	0.01817	0.364433	4.09E-16	0.582	1.10E-43	0.459963	7.94E-26
1.15E-06	-0.12399	0.00731	0.251374	3.66E-08	0.400528	2.02E-19	0.28949	1.82E-10
0.57887	0.309094	8.51E-12	0.362848	5.60E-16	0.651554	9.11E-58	0.647015	9.80E-57
0.71834	0.071862	0.12095	0.187285	4.65E-05	0.522642	4.29E-34	0.410937	1.87E-20
0.03503	0.023099	0.61855	0.280765	6.58E-10	0.582958	7.40E-44	0.43731	3.10E-23
0.56138	0.24841	5.35E-08	0.533395	1.08E-35	0.801026	#####	0.693508	3.25E-68
0.82722	0.055959	0.22744	0.610593	4.72E-49	0.674646	2.65E-63	0.525442	1.67E-34

0.00226	0.031154	0.50183	0.410684	1.99E-20	0.645679	1.96E-56	0.562055	3.02E-40
0.08003	0.071153	0.12467	0.192497	2.81E-05	0.45156	7.65E-25	0.350312	6.27E-15
0.04518	0.110769	0.01663	0.241034	1.34E-07	0.619259	8.65E-51	0.444298	5.16E-24
0.00011	0.290745	1.50E-10	0.357338	1.64E-15	0.585502	2.58E-44	0.562049	3.03E-40
3.94E-20	0.184991	5.78E-05	0.20697	6.50E-06	0.467601	9.58E-27	0.438933	2.05E-23
6.33E-10	0.03182	0.49273	0.714155	4.79E-74	0.572434	5.24E-42	0.475747	9.46E-28
0.54851	0.045843	0.32289	0.62835	1.14E-52	0.59061	3.02E-45	0.434016	7.12E-23
0.03493	0.103567	0.02521	0.480164	2.63E-28	0.856143	#####	0.740979	1.92E-82
0.17513	0.11199	0.01547	0.635113	4.13E-54	0.855516	#####	0.751993	3.35E-86
1.41E-05	0.121236	0.00873	0.479229	3.45E-28	0.740345	3.11E-82	0.722599	1.39E-76
0.52284	0.101213	0.02874	0.383905	7.57E-18	0.620927	3.95E-51	0.585393	2.70E-44
0.0151	0.113766	0.0139	0.295644	7.12E-11	0.656962	5.09E-59	0.457864	1.41E-25
0.00431	0.041073	0.37583	0.246532	6.78E-08	0.44074	1.29E-23	0.302308	2.52E-11
0.54447	0.037187	0.4227	0.618262	1.38E-50	0.660561	7.21E-60	0.618246	1.39E-50
0.03944	-0.01844	0.69104	0.257335	1.69E-08	0.623432	1.21E-51	0.355372	2.39E-15
0.01078	0.106251	0.02165	0.45341	4.67E-25	0.822904	#####	0.720218	7.38E-76
0.31289	0.130232	0.00482	0.51947	1.24E-33	0.883679	#####	0.749855	1.86E-85
0.03435	0.164214	0.00037	0.531312	2.23E-35	0.900941	#####	0.854396	#####
0.34014	-0.02511	0.5884	0.263097	7.82E-09	0.465208	1.87E-26	0.28011	7.24E-10
0.83173	0.060608	0.19106	0.655504	1.11E-58	0.868864	#####	0.655125	1.36E-58
0.05719	0.107195	0.02051	0.504851	1.43E-31	0.689806	3.20E-67	0.637382	1.33E-54
0.00036	0.111966	0.01549	0.42292	1.09E-21	0.528846	5.22E-35	0.458359	1.23E-25
0.4593	0.009669	0.83492	0.433576	7.95E-23	0.386278	4.57E-18	0.119231	0.00991
0.94426	0.023519	0.61219	0.483995	8.52E-29	0.575582	1.49E-42	0.405874	6.02E-20
0.00065	0.404592	8.06E-20	0.244194	9.09E-08	0.546344	1.07E-37	0.536754	3.33E-36
0.51696	0.067075	0.14782	0.648289	5.05E-57	0.787683	#####	0.591419	2.15E-45
1.99E-07	0.017969	0.69852	0.567943	3.09E-41	0.653757	2.83E-58	0.535847	4.59E-36
0.92948	-0.04319	0.35168	0.564081	1.39E-40	0.852267	#####	0.564392	1.23E-40
0.09135	0.120224	0.00931	0.374105	5.83E-17	0.657152	4.59E-59	0.580043	2.45E-43
6.01E-08	-0.17788	0.00011	0.490747	1.13E-29	0.546038	1.20E-37	0.247758	5.81E-08
0.33063	0.070134	0.13018	0.436541	3.77E-23	0.552161	1.27E-38	0.447102	2.48E-24
0.99607	0.030184	0.51526	0.570789	1.01E-41	0.69041	2.21E-67	0.580341	2.16E-43
0.00059	0.108698	0.01879	0.19146	3.11E-05	0.391018	1.64E-18	0.32183	1.03E-12
0.34687	0.101912	0.02765	0.349526	7.26E-15	0.715457	1.97E-74	0.603956	9.29E-48
0.07477	-0.02152	0.64275	0.306744	1.24E-11	0.548794	4.39E-38	0.395191	6.61E-19
0.3912	0.003336	0.94268	0.472238	2.58E-27	0.462458	4.00E-26	0.30251	2.44E-11
2.50E-05	0.075747	0.10208	0.595421	3.87E-46	0.855703	#####	0.722547	1.44E-76
0.00044	0.109076	0.01838	0.394333	7.98E-19	0.722602	1.39E-76	0.568286	2.70E-41
2.17E-05	-0.10717	0.02053	0.293611	9.73E-11	0.563887	1.49E-40	0.2736	1.83E-09
0.99879	0.133594	0.00383	0.421887	1.41E-21	0.774164	2.12E-94	0.671354	1.75E-62
0.00921	0.104412	0.02404	0.144228	0.00178	0.422957	1.09E-21	0.355522	2.33E-15
0.02418	0.067194	0.14711	0.247881	5.72E-08	0.579129	3.55E-43	0.476456	7.71E-28
0.1407	0.199142	1.45E-05	0.607117	2.27E-48	0.777581	9.54E-96	0.707831	3.32E-72
0.56344	-0.15129	0.00104	0.362341	6.18E-16	0.469101	6.28E-27	0.307609	1.08E-11
3.35E-05	0.068241	0.1409	0.588325	7.92E-45	0.697596	2.49E-69	0.613628	1.18E-49

0.03347	0.267935	4.04E-09	0.623501	1.17E-51	0.862658	#####	0.842308	#####
0.09655	0.08475	0.06727	0.636073	2.56E-54	0.926975	#####	0.75525	2.38E-87
0.31196	0.089642	0.05288	0.576421	1.06E-42	0.865676	#####	0.711706	2.51E-73
0.46665	0.048646	0.29415	0.458623	1.14E-25	0.840592	#####	0.659115	1.59E-59
0.69346	0.085392	0.06522	0.53594	4.44E-36	0.889543	#####	0.750355	1.25E-85
0.04716	-0.00835	0.8571	0.250293	4.21E-08	0.521272	6.80E-34	0.37002	1.34E-16
0.05003	-0.02129	0.64636	0.45292	5.33E-25	0.610812	4.27E-49	0.409009	2.93E-20
0.11684	0.210825	4.32E-06	0.545045	1.72E-37	0.278314	9.38E-10	0.274234	1.68E-09
1.51E-10	0.365705	3.18E-16	0.355391	2.38E-15	0.59139	2.17E-45	0.634068	6.92E-54
6.85E-07	0.073866	0.1109	0.542231	4.75E-37	0.639969	3.62E-55	0.521946	5.42E-34
0.01028	0.0312	0.50121	0.547595	6.81E-38	0.866866	#####	0.614498	7.91E-50
0.01219	0.28336	4.51E-10	0.48874	2.07E-29	0.856852	#####	0.838577	#####
0.00177	0.208225	5.69E-06	0.238105	1.92E-07	0.37497	4.88E-17	0.379082	2.08E-17
0.2529	-0.1997	1.37E-05	-0.08239	0.07528	-0.44194	9.50E-24	-0.4067	4.98E-20
0.00039	0.339745	4.42E-14	0.38883	2.64E-18	0.679719	1.37E-64	0.689502	3.85E-67
0.00189	0.037203	0.42251	0.321774	1.04E-12	0.661614	4.05E-60	0.526593	1.13E-34
0.23867	0.187117	4.73E-05	0.503264	2.36E-31	0.781205	3.34E-97	0.731989	1.62E-79
0.01132	0.189356	3.82E-05	0.332635	1.58E-13	0.652477	5.59E-58	0.567423	3.78E-41
1.80E-15	0.091151	0.049	0.345318	1.59E-14	0.516081	3.81E-33	0.393124	1.04E-18
0.00177	0.155188	0.00077	0.350787	5.73E-15	0.679594	1.48E-64	0.58578	2.30E-44
0.01123	0.164359	0.00036	0.554579	5.14E-39	0.71885	1.91E-75	0.603046	1.39E-47
0.13623	0.091764	0.04749	0.597626	1.49E-46	0.849457	#####	0.733641	4.80E-80
0.00046	0.013076	0.77808	0.548587	4.73E-38	0.520741	8.12E-34	0.37029	1.27E-16
6.49E-05	0.110218	0.01719	0.496843	1.75E-30	0.613416	1.30E-49	0.601319	2.98E-47
0.3791	0.174699	0.00015	0.548378	5.11E-38	0.711501	2.88E-73	0.642265	1.13E-55
0.28217	0.077301	0.09522	0.483892	8.78E-29	0.803349	#####	0.691688	1.00E-67
0.35025	0.053712	0.24668	0.604999	5.84E-48	0.885473	#####	0.709583	1.04E-72
0.00026	0.075303	0.10411	0.426824	4.23E-22	0.444851	4.47E-24	0.359206	1.14E-15
0.02944	0.132703	0.00407	0.531061	2.43E-35	0.797916	#####	0.728581	1.94E-78
0.07012	0.144065	0.0018	0.735434	1.27E-80	0.796685	#####	0.655178	1.33E-58
0.41775	0.097843	0.03453	0.53293	1.27E-35	0.811092	#####	0.630972	3.18E-53
0.12508	0.055219	0.23365	0.401991	1.45E-19	0.366375	2.78E-16	0.331267	2.01E-13
0.94217	0.029501	0.52481	0.186171	5.17E-05	0.472817	2.19E-27	0.380947	1.41E-17
0.31623	-0.02477	0.59344	0.361992	6.62E-16	0.509497	3.24E-32	0.439643	1.71E-23
0.2048	-0.00135	0.97683	0.562225	2.83E-40	0.695329	1.04E-68	0.43989	1.61E-23
0.51737	-0.01567	0.7355	0.498625	1.01E-30	0.507505	6.15E-32	0.368353	1.87E-16
0.01389	0.108885	0.01859	0.507577	6.01E-32	0.812161	#####	0.71046	5.77E-73
0.01126	0.079206	0.08731	0.009563	0.83671	-0.06552	0.15745	0.097927	0.03438
0.00066	0.048506	0.29555	0.137015	0.00301	0.033206	0.47408	0.109112	0.01834
5.21E-08	0.019189	0.67917	0.108214	0.01933	-0.17623	0.00013	-0.05029	0.27812
1.92E-31	0.03847	0.40686	0.033806	0.46613	-0.1789	0.0001	0.003265	0.9439
0.04053	0.090534	0.05056	0.200575	1.26E-05	0.017009	0.71391	0.158885	0.00057
0.11406	-0.11499	0.0129	-0.09269	0.04529	-0.27862	8.97E-10	-0.1933	2.60E-05
0.01103	0.047379	0.30693	0.187835	4.41E-05	-0.01524	0.74259	0.092444	0.04586
0.1301	-0.04179	0.3675	-0.04657	0.31525	-0.26588	5.35E-09	-0.14968	0.00118

0.36429	0.073826	0.1111	-0.04832	0.2974	-0.10332	0.02556	0.080078	0.08387
0.24465	0.035907	0.43886	0.064909	0.16139	-0.061	0.18818	0.109659	0.01776
0.00082	0.091593	0.04791	0.250025	4.35E-08	-0.008	0.86309	0.145941	0.00157
1.31E-10	0.077577	0.09404	0.044241	0.34011	-0.1099	0.01751	0.06749	0.14533
2.32E-06	-0.02551	0.58235	0.100851	0.02932	-0.14966	0.00118	-0.02798	0.54637
9.64E-10	0.015188	0.74339	-0.11374	0.01392	-0.12324	0.00767	-0.10102	0.02906
0.01008	-0.00935	0.84032	-0.0302	0.51499	-0.15381	0.00085	-0.01112	0.8105
9.99E-13	0.119727	0.00961	0.028227	0.54288	-0.0416	0.36973	0.135283	0.0034
0.0112	0.105942	0.02204	0.024543	0.59678	-0.13395	0.00373	0.058679	0.2056
0.00999	0.084496	0.0681	0.130242	0.00482	-0.01024	0.82531	0.132148	0.00423
0.38466	-0.00278	0.95216	0.028072	0.54509	-0.18169	7.86E-05	-0.0554	0.23212
0.01551	0.005382	0.90766	-0.07855	0.08998	-0.19665	1.87E-05	-0.06762	0.14454
0.00112	-0.03509	0.44936	0.17046	0.00021	-0.06959	0.13317	-0.02529	0.58565
4.66E-20	0.057887	0.21179	0.042709	0.35711	-0.18017	9.04E-05	0.003745	0.93567
0.0469	-0.1011	0.02892	-0.04092	0.37759	-0.23125	4.36E-07	-0.19224	2.89E-05
0.13238	0.038673	0.40439	0.219085	1.75E-06	0.077797	0.09311	0.191455	3.12E-05
5.66E-08	0.034625	0.45539	0.146324	0.00152	-0.04403	0.34245	0.12868	0.00535
0.08682	0.026679	0.56523	0.034327	0.45928	-0.09983	0.03101	0.000479	0.99176
0.33136	-0.05889	0.20397	0.161148	0.00047	-0.0973	0.03555	-0.02436	0.59954
0.01512	0.077758	0.09327	-0.11671	0.0116	-0.28108	6.29E-10	-0.13525	0.00341
4.15E-09	-0.04915	0.28914	0.057224	0.21708	-0.18582	5.34E-05	-0.06946	0.13389
0.00081	-0.03984	0.39041	0.068417	0.13987	-0.15093	0.00107	-0.05362	0.24746
0.03823	0.024585	0.59616	0.078846	0.08876	-0.13579	0.00328	0.016006	0.73011
0.0007	0.013167	0.77656	0.049165	0.28903	-0.12237	0.00811	0.002886	0.9504
0.41692	-0.02704	0.55997	0.004464	0.92335	-0.20497	8.00E-06	-0.10163	0.02809
0.99868	0.004855	0.91666	0.143598	0.00186	-0.02312	0.6183	0.097227	0.03569
0.00031	0.125077	0.0068	0.138257	0.00275	0.069273	0.13497	0.176421	0.00013
0.01759	0.024156	0.60257	0.219946	1.59E-06	0.031242	0.50062	0.15702	0.00066
2.02E-06	0.088456	0.05611	0.075911	0.10133	-0.02005	0.66557	0.062195	0.17968
0.39468	0.067298	0.14648	-0.02671	0.56476	-0.10552	0.02258	0.042187	0.36302
1.00E-05	-0.03097	0.50437	0.140968	0.00226	-0.08407	0.06949	-0.07471	0.10688
0.19167	0.028304	0.54176	0.036866	0.42672	-0.13774	0.00286	0.032168	0.48801
1.06E-08	0.124566	0.00704	0.289083	1.93E-10	0.205404	7.65E-06	0.33931	4.78E-14
0.17444	0.107496	0.02015	0.058495	0.20703	-0.04144	0.37159	0.131475	0.00443
0.01426	0.030707	0.50799	0.066184	0.1533	-0.12576	0.0065	0.022361	0.62981
1.97E-12	0.004773	0.91807	0.037118	0.42356	-0.21442	2.93E-06	-0.07265	0.11691
9.98E-05	0.094543	0.04113	0.236289	2.39E-07	0.134867	0.0035	0.291591	1.32E-10
0.02437	0.038024	0.41233	-0.01985	0.66881	-0.13059	0.0047	-0.0496	0.2848
0.18282	0.097661	0.03487	0.033261	0.47334	-0.06948	0.13381	0.130028	0.00489
0.03224	-0.05531	0.23287	-0.13168	0.00437	-0.21659	2.31E-06	-0.20139	1.16E-05
0.03204	-0.04297	0.35418	0.007631	0.86936	-0.09729	0.03556	-0.05159	0.2659
7.55E-09	-0.03844	0.40727	0.114926	0.01295	-0.10901	0.01845	0.013547	0.7703
0.00541	0.046938	0.31145	0.161722	0.00045	0.065847	0.1554	0.162516	0.00042
0.04929	0.013038	0.7787	0.031656	0.49497	0.021347	0.64543	0.028729	0.53572
2.11E-10	-0.06328	0.17222	0.095283	0.03957	-0.16965	0.00023	-0.07675	0.09758

0.00111	-0.06986	0.13169	0.052382	0.25859	-0.11204	0.01542	-0.06699	0.14833
3.10E-06	0.111038	0.01637	0.100139	0.03049	-0.14048	0.00234	0.053166	0.25153
0.09365	0.130012	0.00489	0.211204	4.15E-06	0.159554	0.00054	0.338662	5.38E-14
3.67E-08	0.08612	0.06295	0.196609	1.88E-05	0.005318	0.90875	0.155582	0.00074
0.00014	0.032696	0.4809	0.102892	0.02619	-0.09627	0.03755	0.063311	0.17198
7.28E-05	-0.1514	0.00103	-0.01095	0.81347	-0.15353	0.00087	-0.19228	2.87E-05
0.62697	-0.04436	0.33875	0.040345	0.38436	-0.10945	0.01798	-7.92E-05	0.99864
0.00014	0.041623	0.36948	0.058344	0.20821	-0.07996	0.08433	0.037448	0.41945
0.00259	-0.03844	0.40724	0.064162	0.16627	-0.13468	0.00354	-0.02909	0.53063
0.00407	0.053624	0.24746	0.132171	0.00422	0.067582	0.14478	0.144407	0.00176
9.65E-07	0.137212	0.00297	0.03966	0.39249	-0.02011	0.66464	0.128282	0.0055
0.00138	0.023707	0.60934	0.072466	0.11785	-0.03037	0.51269	0.053693	0.24684
1.61E-09	0.097664	0.03486	0.131971	0.00428	-0.0037	0.93638	0.152799	0.00092
2.19E-08	-0.02377	0.6084	-0.05577	0.22897	-0.16851	0.00025	-0.06	0.19558
0.00583	0.090338	0.05106	0.140707	0.00231	-0.00091	0.98436	0.159114	0.00056
0.64314	0.077334	0.09507	-0.06743	0.14569	-0.17558	0.00014	0.012478	0.78798
1.93E-06	0.002872	0.95064	0.083797	0.07042	-0.11615	0.01201	-0.03351	0.47009
1.15E-05	0.062166	0.17988	0.148062	0.00133	-0.01233	0.79047	0.134332	0.00363
0.00035	0.096748	0.03661	0.034086	0.46244	0.068339	0.14033	0.154617	0.0008
5.06E-08	-0.04907	0.28997	0.077545	0.09417	-0.16018	0.00051	-0.10999	0.01741
7.20E-05	0.024254	0.60111	0.114258	0.01349	-0.02232	0.63041	0.103895	0.02475
0.96299	-0.04922	0.28845	-0.03278	0.47976	-0.21445	2.92E-06	-0.1331	0.00396
0.36167	0.013273	0.77482	0.010944	0.81353	-0.19869	1.52E-05	-0.05701	0.21881
0.14217	0.076269	0.09973	0.225764	8.24E-07	0.026752	0.56417	0.186787	4.88E-05
0.3488	-0.02357	0.6114	0.067604	0.14465	-0.06451	0.16398	0.034518	0.45678
0.00075	-0.1123	0.01519	-0.03723	0.42221	-0.24651	6.80E-08	-0.19275	2.75E-05
0.00038	0.070842	0.12633	0.111842	0.0156	-0.0432	0.3516	0.103495	0.02532
0.0105	0.042591	0.35843	0.124273	0.00717	-0.03282	0.47926	0.124086	0.00726
0.40579	0.018245	0.69414	0.066453	0.15163	-0.09353	0.04337	0.003093	0.94686
0.00938	0.046481	0.31619	0.027516	0.55308	-0.19219	2.90E-05	-0.03335	0.47219
9.05E-08	-0.03875	0.40345	0.004137	0.92896	-0.19418	2.39E-05	-0.08826	0.05665
1.72E-06	-0.04032	0.38467	0.090111	0.05165	-0.1509	0.00107	-0.08526	0.06564
0.46512	-0.1021	0.02736	0.176455	0.00013	-0.05059	0.2753	-0.04638	0.31724
1.05E-07	-0.02083	0.65349	0.051296	0.26861	-0.10152	0.02826	-0.02657	0.56677
1.13E-09	0.071627	0.12218	0.089222	0.05401	-0.08747	0.05892	0.053419	0.24927
2.80E-07	-0.04262	0.35812	0.14362	0.00186	-0.18336	6.73E-05	-0.09252	0.04568
0.00541	-0.06882	0.13756	0.108761	0.01872	-0.13732	0.00294	-0.09239	0.04599
2.33E-10	0.038615	0.40509	0.06078	0.1898	-0.09309	0.04436	0.012967	0.77988
0.00083	-0.00256	0.95608	0.047058	0.31021	-0.22948	5.36E-07	-0.09073	0.05007
3.57E-06	0.000758	0.98696	0.015475	0.73872	-0.20257	1.03E-05	-0.06384	0.1684
6.03E-08	0.019855	0.66868	0.052227	0.26	-0.14503	0.00168	0.004495	0.92282
3.43E-05	-0.0368	0.4275	0.084064	0.06953	-0.12425	0.00718	-0.01975	0.6703
3.23E-07	-0.01056	0.81995	0.069289	0.13488	-0.15839	0.00059	-0.07689	0.09698
0.04375	-0.03282	0.47917	0.144331	0.00177	0.057995	0.21094	0.123858	0.00737
2.21E-07	0.014862	0.74872	0.058739	0.20513	-0.14153	0.00217	0.012307	0.79082

6.12E-07	0.006364	0.8909	-0.02575	0.57886	-0.207	6.48E-06	-0.03962	0.39297
0.00096	-0.00519	0.91099	0.139706	0.00248	-0.04984	0.28242	0.064168	0.16624
0.02768	0.06654	0.15109	-0.07526	0.10429	-0.13683	0.00305	0.019311	0.67724
0.70309	0.014461	0.75527	0.140536	0.00233	-0.05123	0.26919	0.096156	0.03778
0.38101	0.039841	0.39033	0.103515	0.02529	0.08356	0.07122	0.141354	0.0022
3.67E-12	0.027792	0.54911	0.078837	0.0888	-0.1761	0.00013	-0.01589	0.73198
0.77045	0.018973	0.68258	0.061261	0.18632	-0.06362	0.16986	0.045731	0.32407
0.00508	0.006616	0.88662	0.101659	0.02804	0.009788	0.83292	0.057855	0.21205
0.00077	0.078769	0.08908	0.162064	0.00044	0.129043	0.00522	0.216211	2.41E-06
0.11127	-0.05359	0.24779	0.034561	0.45621	-0.10994	0.01747	-0.0293	0.52758
0.93164	0.011691	0.80106	0.099207	0.03208	-0.03165	0.49505	0.068388	0.14004
0.00021	0.047892	0.30171	0.074854	0.10619	-0.14195	0.00211	0.040494	0.38262
1.18E-14	0.132264	0.00419	0.131487	0.00442	-0.05827	0.20878	0.147091	0.00144
0.01529	0.102671	0.02651	0.20583	7.32E-06	0.15531	0.00076	0.273598	1.84E-09
8.93E-06	0.171133	0.0002	0.089076	0.0544	0.020155	0.66397	0.222121	1.25E-06
0.37298	0.124667	0.00699	0.189506	3.76E-05	0.153325	0.00089	0.318366	1.85E-12
0.21143	-0.02356	0.61155	0.129095	0.00521	-0.11746	0.01108	-0.05264	0.25629
0.82284	0.00744	0.87261	0.059558	0.19888	-0.09249	0.04575	0.040811	0.3789
0.00716	0.070885	0.1261	0.116434	0.0118	-0.03698	0.42527	0.094143	0.042
0.07294	0.057999	0.21091	0.067248	0.14678	-0.0628	0.17546	0.098768	0.03285
3.33E-05	0.033091	0.47561	0.142398	0.00204	0.040192	0.38618	0.174737	0.00015
0.02276	0.029999	0.51784	-0.06869	0.13827	-0.11136	0.01606	0.009014	0.84596
0.30816	-0.18095	8.41E-05	-0.07711	0.09602	-0.26358	7.33E-09	-0.34484	1.74E-14
0.00318	0.018041	0.69738	0.116725	0.01159	-0.0781	0.09181	0.012175	0.79301
0.00407	0.124621	0.00701	0.167147	0.00029	0.054647	0.23854	0.238684	1.79E-07
0.47718	0.08311	0.07276	0.138557	0.00269	-0.01015	0.82689	0.131439	0.00444
0.00496	0.090268	0.05124	0.246012	7.24E-08	0.099	0.03244	0.246467	6.84E-08
0.00086	-0.01419	0.75979	0.047018	0.31063	-0.13012	0.00486	-0.00125	0.97856
0.02912	-0.01444	0.75559	0.165558	0.00033	-0.01333	0.77395	0.083873	0.07017
0.74115	-0.10245	0.02684	0.019617	0.67241	-0.18138	8.08E-05	-0.11219	0.01529
3.41E-07	0.038977	0.40071	0.022271	0.63119	-0.15641	0.00069	0.041811	0.36732
0.67322	0.044664	0.3355	0.064851	0.16177	-0.06928	0.13494	0.099197	0.0321
0.83743	0.014193	0.75968	-0.21256	3.58E-06	-0.32939	2.79E-13	-0.24384	9.49E-08
0.00124	0.028621	0.53726	0.040717	0.37999	-0.10574	0.02229	0.034459	0.45755
0.05272	-0.02412	0.60314	0.015084	0.7451	-0.16805	0.00026	-0.09938	0.03179
3.46E-05	-0.0805	0.08224	0.131391	0.00445	-0.03804	0.41219	-0.04203	0.36479
0.23991	0.00326	0.94398	0.113106	0.01446	0.043167	0.35196	0.039725	0.39172
0.16653	0.096783	0.03655	0.255109	2.26E-08	0.191756	3.03E-05	0.315927	2.77E-12
0.00084	-0.0123	0.79101	0.02391	0.60629	-0.10631	0.02158	0.008044	0.86236
0.0037	0.04722	0.30856	0.100193	0.0304	-0.06964	0.13291	0.106855	0.02091
0.96288	-0.00316	0.9457	0.075239	0.1044	-0.10343	0.0254	-0.02568	0.57992
6.31E-06	0.01076	0.81661	0.196703	1.86E-05	0.010855	0.81502	0.070295	0.12929
0.00765	-0.02967	0.52243	0.098489	0.03335	-0.17206	0.00019	-0.06048	0.19198
1.11E-05	0.019886	0.66819	0.167112	0.00029	0.015414	0.73971	0.11957	0.0097
3.76E-14	0.048455	0.29606	0.04518	0.32994	-0.17621	0.00013	0.017659	0.70348

5.95E-12	0.015491	0.73847	0.095643	0.03882	-0.06751	0.14521	0.052533	0.25722
1.45E-14	0.053042	0.25264	0.12007	0.0094	-0.06767	0.14428	0.082784	0.0739
0.76332	0.061677	0.18334	0.036487	0.4315	-0.10859	0.01891	0.083408	0.07174
0.00037	0.031232	0.50077	0.08891	0.05486	-0.03136	0.49906	0.087034	0.0602
1.55E-06	0.068789	0.13772	0.201632	1.13E-05	0.020036	0.66584	0.174914	0.00015
0.10383	-0.09084	0.04979	0.215672	2.55E-06	-0.09376	0.04284	-0.04969	0.28394
0.05494	0.023103	0.61849	0.191182	3.20E-05	-0.06047	0.19209	0.100467	0.02995
7.04E-05	0.058991	0.2032	0.04466	0.33554	-0.1478	0.00136	0.018721	0.68657
4.57E-11	0.15167	0.00101	0.19102	3.25E-05	0.128229	0.00552	0.296513	6.23E-11
8.08E-07	-0.04716	0.3092	0.098187	0.0339	-0.01232	0.79058	0.005835	0.89993
2.50E-17	-0.06428	0.16547	0.090701	0.05013	-0.1768	0.00012	-0.1057	0.02234
0.38795	-0.0364	0.4326	0.007971	0.8636	-0.04925	0.28816	-0.10787	0.01972
0.81525	-0.07771	0.09347	0.090199	0.05142	-0.08222	0.0759	-0.13683	0.00305
0.22256	0.111897	0.01555	0.072559	0.11738	0.081138	0.07984	0.145103	0.00167
0.21056	0.006706	0.88508	0.018658	0.68757	-0.02221	0.63206	-0.01908	0.6809
0.158	-0.07703	0.09637	0.123903	0.00735	-0.04402	0.34251	-0.11074	0.01666
0.19533	-0.02633	0.57027	0.033928	0.46451	-0.05866	0.20575	-0.10063	0.02968
0.48347	-0.04305	0.35324	0.149283	0.00121	0.031879	0.49193	-0.10301	0.02602
0.00102	-0.00879	0.84974	0.138108	0.00278	-0.05725	0.21691	-0.06071	0.19031
0.40289	-0.00879	0.84966	0.115484	0.01251	-0.01979	0.66965	-0.00918	0.84315
0.55487	-0.01346	0.77166	0.113417	0.01419	-0.00667	0.88568	-0.01959	0.6728
0.69138	0.007229	0.87618	0.146547	0.0015	0.089919	0.05215	0.041765	0.36784
0.57464	-0.0098	0.8328	0.052584	0.25676	-0.02919	0.52924	-0.03383	0.46575
0.82353	-0.04495	0.33245	0.1582	0.0006	0.02058	0.65734	-0.04138	0.37225
0.87798	-0.0275	0.55325	0.166857	0.00029	0.002801	0.95186	-0.01796	0.69864
0.52587	0.062256	0.17925	0.190864	3.30E-05	0.100861	0.02931	0.075399	0.10367
0.42476	0.010389	0.82282	0.36454	4.01E-16	0.228848	5.77E-07	0.184418	6.10E-05
1.26E-09	0.009687	0.83461	0.128209	0.00553	0.001942	0.96662	0.021397	0.64465
0.12037	-0.06504	0.16055	0.004784	0.91788	-0.06338	0.1715	-0.12847	0.00543
0.03151	-0.1415	0.00218	0.059465	0.19958	-0.05436	0.24104	-0.18233	7.41E-05
0.78285	-0.16774	0.00027	0.215037	2.74E-06	-0.01107	0.81145	-0.15183	0.001
0.42168	-0.0977	0.03479	0.134074	0.0037	-0.03979	0.39094	-0.06969	0.13263
0.00991	-0.04395	0.34332	0.137394	0.00293	-0.03209	0.48901	-0.08112	0.07992
0.44212	-0.08409	0.06943	0.038838	0.40239	-0.19398	2.43E-05	-0.17421	0.00015
0.96298	-0.14216	0.00207	-0.02942	0.52591	-0.08198	0.07676	-0.25535	2.19E-08
0.83795	-0.01784	0.70052	0.109165	0.01828	-0.02519	0.58707	-0.03122	0.50099
0.33945	-0.05654	0.22264	0.149558	0.00119	-0.00624	0.89303	-0.05863	0.20599
0.03862	0.018521	0.68975	0.058848	0.2043	-0.0119	0.79765	-0.0013	0.97768
0.83563	0.028431	0.53996	0.128153	0.00555	0.129358	0.00511	0.136253	0.00317
0.16865	-0.07529	0.10415	0.058294	0.20859	0.094692	0.04081	-0.00283	0.95142
0.09944	-0.06549	0.15765	-0.00632	0.8917	-0.10286	0.02623	-0.10928	0.01816
0.00851	-0.12819	0.00553	0.049676	0.28403	-0.12448	0.00708	-0.21489	2.78E-06
0.04405	-0.15403	0.00084	0.018643	0.6878	-0.16664	0.0003	-0.20567	7.44E-06
0.88567	-0.00934	0.84052	0.092233	0.04636	0.017305	0.70915	-0.01401	0.7626
0.55584	-0.03555	0.44341	0.17803	0.00011	0.053096	0.25215	-0.01352	0.77074

0.7198	-0.02345	0.6133	0.211277	4.11E-06	0.031032	0.50351	0.009394	0.83955
0.23992	-0.09151	0.0481	0.112623	0.01489	-0.0872	0.05969	-0.12062	0.00908
0.07577	-0.11169	0.01575	0.096256	0.03758	-0.08676	0.06101	-0.16852	0.00025
0.13144	-0.06854	0.13919	0.075544	0.103	-0.07299	0.1152	-0.11765	0.01094
0.26765	-0.05969	0.19792	0.043278	0.35073	-0.07287	0.11583	-0.09275	0.04515
0.86866	0.020106	0.66475	0.137356	0.00294	0.071491	0.12289	0.028347	0.54116
0.03493	0.037664	0.41678	0.140917	0.00227	-0.01179	0.79946	0.003485	0.94012
0.5013	-0.04535	0.32811	0.011946	0.79682	-0.0917	0.04765	-0.1376	0.00288
0.99059	-0.0011	0.98117	0.002241	0.96148	-0.05539	0.23223	-0.01674	0.71823
0.52442	-0.04723	0.30842	0.153441	0.00088	-0.06087	0.18918	-0.08557	0.06466
0.73152	-0.00415	0.92875	0.038121	0.41114	-0.02549	0.58276	-0.01128	0.80793
0.0001	0.054042	0.24378	0.010398	0.82267	-0.02606	0.57426	0.014136	0.76062
0.57397	-0.0277	0.55044	0.048008	0.30053	-0.0392	0.39804	-0.03879	0.40302
0.63912	-0.02175	0.63918	0.041856	0.3668	-0.03931	0.39666	-0.03285	0.47878
0.39392	-0.02413	0.60301	0.116282	0.01191	-0.03093	0.50498	-0.04707	0.31005
0.59157	-0.08255	0.07473	0.025147	0.58777	-0.02225	0.63149	-0.1065	0.02134
0.01113	-0.01634	0.72464	0.119141	0.00997	-0.01934	0.67677	-0.08149	0.07853
0.02057	0.048218	0.29843	0.147157	0.00143	-0.00454	0.92208	0.066789	0.14957
0.27506	-0.05466	0.23847	0.164327	0.00036	-0.00331	0.94319	-0.05819	0.20939
0.91824	-0.04453	0.33693	-0.00277	0.95243	-0.06741	0.14581	-0.15023	0.00113
0.51438	-0.02517	0.58743	0.161388	0.00046	-0.00361	0.93797	-0.04508	0.33105
0.11628	0.001668	0.97133	0.031534	0.49663	-0.04349	0.34841	-0.07229	0.11873
0.075	-0.16623	0.00031	-0.11637	0.01185	-0.1722	0.00018	-0.32883	3.08E-13
0.4542	-0.02589	0.57672	0.140294	0.00238	-0.04543	0.32726	-0.05514	0.2343
0.20813	-0.02207	0.63423	-0.01843	0.69125	-0.05922	0.20147	-0.07409	0.10984
0.36778	-0.04482	0.33378	0.126222	0.00631	0.062848	0.17514	-0.01879	0.68541
0.43215	-0.04488	0.33322	0.155628	0.00074	-0.03246	0.48406	-0.05751	0.21482
0.78967	-0.09253	0.04566	0.120704	0.00903	-0.11474	0.0131	-0.16114	0.00047
0.55052	-0.04125	0.37375	0.02159	0.64167	-0.09329	0.04389	-0.12436	0.00713
0.83217	-0.01962	0.67242	0.04302	0.35361	0.009425	0.83902	-0.04419	0.34071
0.36136	-0.04979	0.28296	0.185492	5.51E-05	-0.01492	0.74785	-0.04427	0.33981
0.03256	-0.03794	0.4134	0.099487	0.0316	0.10335	0.02552	-0.0482	0.2986
0.00534	-0.19672	1.86E-05	-0.12651	0.00619	-0.28588	3.11E-10	-0.36908	1.62E-16
0.02805	-0.08515	0.06599	0.280284	7.06E-10	0.054869	0.23663	-0.04845	0.2961
0.3622	-0.07416	0.10946	0.038396	0.40776	-0.02415	0.6026	-0.13309	0.00396
0.60161	-0.02577	0.57849	0.066306	0.15254	-0.01177	0.7997	-0.04204	0.36473
0.89884	-0.11831	0.01051	-0.01719	0.71095	-0.01741	0.7075	-0.2117	3.93E-06
0.71596	-0.1456	0.00161	-0.05029	0.2781	-0.11278	0.01475	-0.29596	6.79E-11
0.01419	-0.14449	0.00174	-0.02027	0.66221	-0.09963	0.03134	-0.26965	3.19E-09
0.33554	-0.05493	0.23613	0.115862	0.01223	-0.06569	0.15639	-0.09612	0.03785
0.56001	0.032205	0.48752	0.152198	0.00097	0.04913	0.28937	0.098231	0.03382
0.07712	-0.00063	0.98909	0.098141	0.03398	0.016764	0.71786	0.022292	0.63087
0.14121	-9.25E-05	0.99841	0.124551	0.00704	0.015373	0.74038	-0.01608	0.72891
0.02249	-0.01665	0.71967	0.179202	9.87E-05	0.029545	0.52419	0.033327	0.47246
0.52648	-0.07687	0.09706	0.102733	0.02642	-0.08051	0.08219	-0.09766	0.03487



0.8146	-0.09108	0.04917	0.072725	0.11654	-0.00047	0.99187	-0.14413	0.00179
0.51946	-0.07142	0.12326	-0.02427	0.60083	-0.07577	0.10199	-0.12956	0.00505
0.17189	-0.02557	0.58144	0.129853	0.00495	-0.06382	0.16858	-0.06165	0.18353
0.44273	-0.08232	0.07553	0.129539	0.00505	0.023534	0.61195	-0.09303	0.04451
0.45776	-0.04037	0.38408	0.187041	4.76E-05	-0.01875	0.68611	-0.04479	0.33412
0.93224	-0.04666	0.31438	0.197143	1.78E-05	0.017761	0.70185	-0.0228	0.62309
0.25473	-0.02643	0.56881	0.172998	0.00017	0.001285	0.9779	-0.00995	0.83026
0.07265	-0.0606	0.19111	0.054406	0.24062	-0.08618	0.06278	-0.11952	0.00973
0.07611	-0.08225	0.07579	0.070277	0.12939	-0.08404	0.06961	-0.13575	0.00329
0.26992	-0.05947	0.19953	0.077357	0.09497	-0.06268	0.17629	-0.10231	0.02705
0.63718	0.158613	0.00058	0.041232	0.374	-0.04573	0.32408	0.010139	0.82701
0.11177	-0.06682	0.14935	0.130562	0.00471	-0.03844	0.40729	-0.09158	0.04794
0.28154	-0.00254	0.95632	0.126237	0.0063	-0.04253	0.35917	-0.05173	0.26454
0.50745	0.382075	1.11E-17	0.135006	0.00347	-0.02411	0.6033	0.067127	0.14751
0.92992	0.001644	0.97173	0.1012	0.02876	-0.04771	0.3036	-0.04286	0.35542
0.1708	-0.06416	0.16628	0.11379	0.01388	-0.00052	0.99103	-0.06594	0.15482
0.8379	-0.08814	0.05701	0.14082	0.00229	-0.00808	0.8618	-0.09672	0.03666
0.9918	-0.01656	0.72122	0.111264	0.01615	-0.02503	0.58957	-0.03326	0.4733
0.85704	-0.0096	0.83612	0.13332	0.0039	-0.00464	0.92032	-0.01966	0.67172
0.66873	0.012188	0.7928	0.155156	0.00077	-0.01751	0.70592	-0.02604	0.57462
0.25922	-0.02622	0.572	0.164515	0.00036	0.032533	0.48309	-0.02724	0.5571
0.13898	-0.10572	0.02231	0.112851	0.01469	-0.02958	0.52373	-0.14691	0.00145
0.23217	-0.08445	0.06824	-0.07488	0.10607	-0.11647	0.01178	-0.12757	0.00577
0.78957	-0.03368	0.46776	0.12948	0.00507	-0.012	0.79583	-0.05713	0.21784
0.00405	-0.03442	0.4581	0.010926	0.81383	-0.10833	0.0192	-0.11558	0.01244
0.02449	-0.09915	0.03218	0.011925	0.79716	-0.12112	0.00879	-0.2123	3.69E-06
3.74E-08	0.021404	0.64455	-0.00749	0.87174	0.045211	0.32961	0.098736	0.03291
1.02E-35	0.04454	0.33685	0.167625	0.00027	0.087384	0.05917	0.110087	0.01732
6.33E-08	0.064308	0.16531	0.065588	0.15704	0.038468	0.40689	0.088622	0.05565
0.28437	-0.10809	0.01947	-0.06984	0.1318	-0.20053	1.26E-05	-0.27265	2.10E-09
0.24708	0.044558	0.33665	-0.02613	0.57326	0.026454	0.56851	0.036139	0.4359
1.37E-17	0.118081	0.01065	0.021483	0.64333	0.081348	0.07906	0.200091	1.32E-05
0.01193	0.01167	0.80141	0.12673	0.0061	0.013293	0.77449	0.031273	0.5002
0.45872	-0.01514	0.74417	0.089057	0.05445	0.007392	0.87342	0.088805	0.05514
1.75E-18	0.096532	0.03704	0.104596	0.02379	0.127013	0.00599	0.193904	2.45E-05
5.03E-06	-0.00837	0.85684	0.094746	0.0407	0.002162	0.96284	0.086369	0.06219
0.19482	0.000628	0.98921	0.025912	0.57647	-0.01075	0.8168	-0.00435	0.92537
3.94E-11	0.056534	0.22269	0.055244	0.23344	0.040066	0.38766	0.135563	0.00333
1.56E-09	-0.00773	0.86776	-0.01102	0.81223	-0.05473	0.23779	-0.02234	0.63009
0.23091	0.034289	0.45977	0.221961	1.27E-06	0.104107	0.02446	0.154089	0.00083
1.34E-09	-0.03263	0.48179	-0.07504	0.10532	-0.09771	0.03477	-0.04952	0.28551
2.35E-16	0.181847	7.74E-05	0.262301	8.70E-09	0.224627	9.39E-07	0.398165	3.42E-19
2.50E-10	-0.03168	0.49464	0.008047	0.86231	0.019938	0.66738	0.014836	0.74915
3.35E-11	0.131453	0.00443	0.168022	0.00027	0.24777	5.80E-08	0.323491	7.75E-13
1.33E-06	-0.10817	0.01937	0.024194	0.602	-0.14245	0.00203	-0.15954	0.00054

8.78E-09	0.043126	0.35242	0.1039	0.02475	-0.05839	0.20784	0.06255	0.1772
6.91E-17	0.113118	0.01445	0.323536	7.69E-13	0.139531	0.00251	0.257892	1.57E-08
1.08E-34	0.12898	0.00525	0.109752	0.01766	0.050318	0.27786	0.163513	0.00039
4.27E-12	0.130309	0.0048	0.078318	0.09093	0.143776	0.00184	0.239935	1.54E-07
0.26195	-0.0631	0.17344	0.052754	0.25522	-0.07641	0.09908	-0.09263	0.04543
2.83E-08	-0.01193	0.79706	-0.10126	0.02868	-0.06051	0.1918	-0.01032	0.82396
1.10E-09	0.089497	0.05327	-0.17192	0.00019	0.016534	0.72156	0.09655	0.037
0.00016	0.094391	0.04146	0.067484	0.14536	0.115647	0.01239	0.19771	1.68E-05
4.90E-23	-0.0186	0.68843	-0.08468	0.06749	-0.09321	0.04409	-0.12096	0.00888
1.07E-07	-0.03547	0.44448	0.155963	0.00072	-0.02348	0.61274	0.062397	0.17827
1.23E-06	0.107659	0.01996	-0.00522	0.91042	-0.06888	0.13718	0.09093	0.04955
3.47E-06	0.069854	0.13172	0.210704	4.37E-06	0.078373	0.0907	0.081342	0.07908
0.025	0.131404	0.00445	0.234259	3.05E-07	0.206403	6.89E-06	0.285338	3.37E-10
6.84E-14	-0.00802	0.86282	0.097411	0.03534	0.051051	0.2709	0.077694	0.09354
5.61E-06	0.117989	0.01072	0.086738	0.06108	0.011272	0.80804	0.152955	0.00091
1.45E-09	0.076041	0.10075	0.15549	0.00075	-0.02157	0.64204	0.1115	0.01593
7.88E-23	-0.03099	0.50406	-0.05757	0.21433	-0.13467	0.00355	-0.0998	0.03107
0.00059	-0.22959	5.29E-07	-0.00056	0.99043	-0.04792	0.30141	-0.19414	2.40E-05
1.24E-26	0.16366	0.00038	0.058209	0.20926	0.089201	0.05406	0.210768	4.34E-06
0.00012	0.16716	0.00029	0.102162	0.02727	0.128447	0.00544	0.292892	1.09E-10
3.35E-11	0.04819	0.29871	0.078965	0.08828	-0.01829	0.69339	0.072842	0.11595
1.44E-06	0.037847	0.41451	-0.0677	0.14407	0.086112	0.06298	0.056658	0.22168
0.47323	0.155896	0.00072	0.122928	0.00783	0.161883	0.00044	0.146603	0.00149
0.00052	-0.00874	0.85062	-0.20693	6.52E-06	-0.13221	0.00421	-0.0793	0.08693
1.64E-15	0.043827	0.34464	0.08338	0.07183	-0.03992	0.38934	0.077658	0.09369
4.33E-06	-0.00035	0.99398	0.086429	0.06201	0.007882	0.8651	0.052476	0.25773
1.20E-31	-0.0142	0.75964	0.011548	0.80344	-0.10155	0.02821	-0.01372	0.76752
9.38E-07	0.055041	0.23517	-0.03783	0.41477	-0.07918	0.08743	0.033157	0.47473
0.00046	0.057939	0.21138	0.078413	0.09053	0.111886	0.01556	0.175923	0.00013
0.00021	-0.13343	0.00387	0.092718	0.04522	-0.17202	0.00019	-0.2341	3.11E-07
0.00011	0.075835	0.10168	0.090357	0.05101	0.09155	0.04801	0.210077	4.68E-06
1.09E-05	-0.06188	0.18192	0.104448	0.02399	-0.18802	4.34E-05	-0.10026	0.03029
0.08325	0.084984	0.06652	0.11309	0.01448	0.079421	0.08645	0.152403	0.00095
0.2156	-0.03086	0.50586	-0.05337	0.24975	-0.21821	1.93E-06	-0.13797	0.00281
5.99E-06	0.069311	0.13475	0.067093	0.14772	0.130193	0.00483	0.128395	0.00546
2.13E-09	-0.03534	0.44618	0.043968	0.34309	-0.00435	0.9253	0.001802	0.96902
1.57E-05	-0.01964	0.67205	0.212658	3.55E-06	0.144883	0.00169	0.196139	1.97E-05
1.54E-32	0.107136	0.02057	0.016894	0.71576	0.005121	0.91211	0.111094	0.01632
1.75E-05	0.049354	0.28718	0.123773	0.00741	0.036883	0.42651	0.10336	0.02551
0.30208	-0.06324	0.17248	0.139601	0.0025	-0.06684	0.14928	-0.09103	0.0493
0.01167	0.135819	0.00327	0.17111	0.0002	0.285578	3.25E-10	0.2721	2.27E-09
5.73E-06	-0.04512	0.33055	0.228754	5.84E-07	0.021744	0.63929	0.023887	0.60663
8.18E-10	0.036243	0.43458	0.089699	0.05273	0.000656	0.98871	0.036897	0.42633
0.03366	-0.1475	0.00139	-0.03047	0.51127	-0.1821	7.56E-05	-0.2628	8.14E-09
9.92E-07	0.134637	0.00356	0.007504	0.87152	-0.03142	0.49818	0.156559	0.00069

2.44E-07	0.051526	0.26646	-0.01796	0.6987	0.059028	0.20292	0.120409	0.0092
1.20E-16	0.028431	0.53995	0.042134	0.36362	-0.08312	0.07272	-0.02957	0.52381
0.01271	-0.08079	0.08114	-0.13903	0.0026	-0.04715	0.30924	-0.10233	0.02702
3.10E-07	-0.06836	0.14019	0.019987	0.66661	-0.08051	0.08221	-0.15716	0.00065
0.00037	0.016818	0.71699	-0.02414	0.60289	0.034754	0.4537	0.01203	0.79541
5.06E-10	-0.00505	0.91338	0.037626	0.41724	-0.10334	0.02554	0.005901	0.8988
5.43E-05	-0.00106	0.98171	0.085366	0.0653	-0.11482	0.01303	0.008239	0.85906
2.95E-11	0.123379	0.0076	0.041141	0.37504	0.005905	0.89873	0.170747	0.00021
1.32E-13	0.102009	0.02751	0.081695	0.07779	0.002357	0.95949	0.144146	0.00179
0.00308	-0.03303	0.47643	-0.10713	0.02058	0.059447	0.19972	0.039462	0.39486
0.00194	0.08198	0.07676	-0.06362	0.1699	-0.0228	0.62311	0.051398	0.26765
1.18E-18	0.042698	0.35723	0.171233	0.0002	0.059603	0.19854	0.142361	0.00204
1.48E-12	0.102571	0.02666	0.027661	0.55099	0.09594	0.03822	0.100038	0.03066
5.82E-23	0.016129	0.72812	0.274028	1.73E-09	0.125539	0.0066	0.206036	7.16E-06
4.28E-08	0.050155	0.27942	-0.02229	0.63089	-0.13116	0.00453	-0.02468	0.59473
4.81E-49	0.148628	0.00128	0.125865	0.00646	0.09444	0.04136	0.249492	4.66E-08
6.52E-19	0.181499	8.00E-05	0.03435	0.45897	0.070787	0.12663	0.247289	6.17E-08
3.46E-09	-0.0412	0.37431	0.040541	0.38205	-0.06435	0.16503	-0.05138	0.26781
1.84E-09	-0.01603	0.72965	-0.01486	0.74879	0.117578	0.01099	0.184918	5.82E-05
1.97E-12	0.043441	0.34891	0.099311	0.0319	-0.05632	0.22446	0.083903	0.07006
6.80E-13	0.113108	0.01446	0.121831	0.0084	0.123872	0.00736	0.221772	1.30E-06
1.61E-11	0.037247	0.42196	0.016576	0.72088	0.018583	0.68875	0.06272	0.17602
9.61E-08	0.050583	0.27532	0.00033	0.99432	0.002061	0.96456	0.030485	0.51107
1.39E-08	0.070931	0.12585	0.18767	4.48E-05	0.113713	0.01394	0.205733	7.39E-06
0.8873	0.057497	0.2149	0.337535	6.59E-14	0.24703	6.37E-08	0.253717	2.71E-08
0.00155	-0.0271	0.55914	0.293007	1.07E-10	0.005804	0.90046	-0.07104	0.12529
3.94E-07	-0.0155	0.73836	0.065204	0.15949	0.044156	0.34103	0.019476	0.67464
0.00176	-0.02993	0.51883	-0.1612	0.00047	-0.28107	6.30E-10	-0.20173	1.12E-05
2.95E-16	-0.06397	0.16754	0.006163	0.89432	-0.11803	0.01069	-0.06455	0.16374
0.00026	0.111231	0.01618	0.11365	0.014	-0.02811	0.54455	0.089911	0.05217
2.29E-12	0.110983	0.01642	-0.01581	0.73334	-0.11123	0.01618	0.035857	0.43949
7.86E-18	0.162791	0.00041	0.157017	0.00066	0.09162	0.04784	0.230892	4.55E-07
2.90E-08	0.075703	0.10227	0.011784	0.79951	-0.04172	0.3684	0.129414	0.0051
0.00918	-0.05284	0.25445	-0.02421	0.60182	-0.09857	0.0332	-0.10187	0.02772
9.23E-05	0.223011	1.13E-06	0.248415	5.35E-08	0.326805	4.38E-13	0.457061	1.75E-25
8.28E-21	0.058791	0.20474	-0.0839	0.07008	-0.21377	3.14E-06	-0.13663	0.00309
1.52E-08	0.04343	0.34904	0.141471	0.00218	-0.04758	0.30483	0.089784	0.05251
0.00012	-0.03368	0.46784	0.116219	0.01196	0.195761	2.04E-05	0.148692	0.00127
3.69E-27	0.173293	0.00017	0.225285	8.71E-07	0.11922	0.00992	0.283571	4.37E-10
0.02231	-0.1065	0.02134	-0.14282	0.00198	-0.34452	1.85E-14	-0.3416	3.16E-14
0.18927	-0.01481	0.74959	-0.13918	0.00258	-0.1074	0.02027	-0.1318	0.00433
0.97949	-0.10727	0.02042	-0.05116	0.26984	-0.24944	4.69E-08	-0.22955	5.32E-07
2.13E-13	-0.03358	0.46914	-0.13629	0.00317	-0.12639	0.00624	-0.10994	0.01747
1.87E-13	0.115941	0.01217	0.154677	0.0008	0.234659	2.91E-07	0.326035	5.01E-13
4.56E-18	0.06249	0.17762	0.129701	0.005	0.061719	0.18304	0.133509	0.00385

0.00034	-0.13306	0.00397	-0.06309	0.17352	-0.20943	5.01E-06	-0.20419	8.68E-06
2.33E-22	-8.12E-05	0.9986	0.054255	0.24193	-0.04291	0.35481	0.029846	0.51997
0.19031	0.059597	0.19859	-0.05376	0.24626	-0.03257	0.48255	0.028378	0.54071
2.54E-60	0.166805	0.00029	0.06913	0.13578	0.0409	0.37786	0.1773	0.00012
5.05E-19	0.115622	0.01241	0.10776	0.01985	0.033223	0.47385	0.139535	0.00251
6.49E-18	0.105704	0.02234	0.153521	0.00087	0.088673	0.05551	0.221514	1.34E-06
2.52E-53	-0.00178	0.96936	0.072783	0.11625	-0.09952	0.03154	-0.02059	0.65718
3.47E-18	-0.00075	0.98707	0.153837	0.00085	-0.00799	0.86326	0.070465	0.12837
0.00087	-0.01136	0.80651	0.08549	0.06491	-0.09922	0.03205	-0.0245	0.59749
1.50E-44	0.102705	0.02646	0.076785	0.09745	-0.0201	0.66489	0.129905	0.00493
0.04644	-0.24245	1.13E-07	-0.17656	0.00013	-0.24516	8.06E-08	-0.39685	4.58E-19
0.0007	-0.42708	3.98E-22	-0.34481	1.75E-14	-0.49217	7.34E-30	-0.6615	4.30E-60
0.32573	-0.25415	2.56E-08	-0.12841	0.00545	-0.0659	0.15509	-0.29732	5.50E-11
0.00524	-0.32359	7.62E-13	-0.2591	1.33E-08	-0.44028	1.45E-23	-0.61402	9.87E-50
0.00108	-0.19885	1.50E-05	-0.06648	0.15147	-0.23622	2.41E-07	-0.32736	3.98E-13
0.00121	-0.3686	1.78E-16	-0.27451	1.61E-09	-0.4227	1.16E-21	-0.62278	1.65E-51
0.13754	-0.14731	0.00141	-0.13568	0.00331	-0.23133	4.32E-07	-0.26605	5.24E-09
0.00022	-0.36406	4.41E-16	-0.36813	1.96E-16	-0.47786	5.14E-28	-0.61063	4.64E-49
0.85232	-0.27528	1.45E-09	-0.26761	4.23E-09	-0.4168	4.73E-21	-0.4552	2.89E-25
4.31E-06	-0.35479	2.67E-15	-0.32793	3.61E-13	-0.45324	4.90E-25	-0.62466	6.71E-52
1.36E-10	-0.20422	8.65E-06	-0.11581	0.01227	-0.23861	1.81E-07	-0.32487	6.11E-13
0.00764	-0.33871	5.33E-14	-0.33514	1.01E-13	-0.40932	2.73E-20	-0.56067	5.13E-40
0.12431	-0.32996	2.53E-13	-0.25432	2.50E-08	-0.29583	6.92E-11	-0.48863	2.13E-29
0.02708	-0.4613	5.50E-26	-0.14958	0.00119	-0.36756	2.19E-16	-0.5136	8.57E-33
0.00144	-0.13233	0.00417	-0.27015	2.98E-09	-0.12463	0.00701	-0.27212	2.26E-09
0.01624	-0.24968	4.55E-08	-0.14752	0.00139	-0.15725	0.00065	-0.19712	1.78E-05
0.06441	-0.20673	6.66E-06	-0.21833	1.91E-06	-0.44515	4.14E-24	-0.53142	2.14E-35
0.76589	-0.35055	5.99E-15	-0.12057	0.00911	-0.32023	1.35E-12	-0.50355	2.16E-31
0.92039	-0.36756	2.19E-16	-0.18976	3.67E-05	-0.40816	3.56E-20	-0.54382	2.68E-37
0.38455	-0.29738	5.45E-11	-0.10586	0.02214	-0.26193	9.15E-09	-0.31459	3.46E-12
0.45046	-0.2338	3.22E-07	-0.16007	0.00052	-0.36661	2.66E-16	-0.32548	5.51E-13
0.0353	-0.17837	0.00011	-0.33746	6.69E-14	-0.39708	4.35E-19	-0.44194	9.49E-24
0.80501	-0.33384	1.28E-13	-0.18393	6.38E-05	-0.42772	3.40E-22	-0.47436	1.41E-27
3.88E-06	-0.35698	1.76E-15	-0.32626	4.82E-13	-0.34986	6.82E-15	-0.51943	1.26E-33
0.0541	-0.35547	2.35E-15	-0.24352	9.88E-08	-0.41348	1.04E-20	-0.54925	3.70E-38
0.00239	-0.41931	2.61E-21	-0.32851	3.26E-13	-0.48951	1.64E-29	-0.65739	4.04E-59
0.00113	-0.26144	9.77E-09	-0.12139	0.00864	-0.20374	9.09E-06	-0.36916	1.59E-16
0.0087	-0.30672	1.25E-11	-0.35152	4.99E-15	-0.41486	7.49E-21	-0.53592	4.46E-36
0.41198	-0.24755	5.96E-08	-0.20775	5.98E-06	-0.18677	4.88E-05	-0.33266	1.57E-13
3.78E-06	-0.42577	5.48E-22	-0.29298	1.07E-10	-0.46415	2.51E-26	-0.67718	6.07E-64
0.13676	-0.16175	0.00045	-0.16469	0.00035	-0.31947	1.53E-12	-0.33822	5.83E-14
0.04086	-0.19898	1.48E-05	-0.15373	0.00086	-0.12899	0.00524	-0.28544	3.32E-10
0.1873	-0.3754	4.47E-17	-0.30533	1.56E-11	-0.38299	9.18E-18	-0.55831	1.26E-39
0.00084	-0.21708	2.19E-06	-0.3563	2.00E-15	-0.20663	6.73E-06	-0.35496	2.59E-15
0.48734	-0.4481	1.91E-24	-0.25222	3.29E-08	-0.4523	6.28E-25	-0.6267	2.52E-52

0.02148	-0.33395	1.25E-13	-0.16925	0.00024	-0.37689	3.29E-17	-0.48618	4.45E-29
0.0001	-0.03315	0.47486	-0.30817	9.89E-12	-0.36662	2.65E-16	-0.4384	2.35E-23
0.09523	-0.28478	3.66E-10	-0.31958	1.50E-12	-0.27352	1.86E-09	-0.39137	1.52E-18
2.74E-05	-0.27884	8.70E-10	-0.28572	3.19E-10	-0.36479	3.81E-16	-0.50689	7.49E-32
0.5097	-0.33689	7.40E-14	-0.37074	1.16E-16	-0.38857	2.79E-18	-0.53729	2.76E-36
0.07274	-0.33624	8.32E-14	-0.22815	6.26E-07	-0.45868	1.13E-25	-0.536	4.34E-36
0.83669	-0.33956	4.58E-14	-0.2424	1.14E-07	-0.43792	2.65E-23	-0.61095	4.02E-49
0.00013	-0.27909	8.39E-10	-0.2014	1.16E-05	-0.31279	4.66E-12	-0.43812	2.53E-23
0.68749	-0.3046	1.75E-11	-0.29795	4.98E-11	-0.3992	2.71E-19	-0.55354	7.58E-39
0.99476	-0.28626	2.94E-10	-0.08939	0.05355	-0.30417	1.88E-11	-0.39624	5.24E-19
2.11E-07	-0.1705	0.00021	0.003221	0.94465	-0.12981	0.00496	-0.25932	1.30E-08
0.03265	-0.17534	0.00014	-0.16382	0.00038	-0.07113	0.12477	-0.22783	6.50E-07
0.02539	-0.40598	5.87E-20	-0.36437	4.14E-16	-0.55302	9.21E-39	-0.69864	1.28E-69
0.10339	-0.21558	2.58E-06	-0.13074	0.00466	-0.16245	0.00042	-0.37056	1.20E-16
0.02644	-0.22863	5.92E-07	-0.2795	7.90E-10	-0.18463	5.98E-05	-0.37129	1.04E-16
0.05948	-0.16863	0.00025	-0.32694	4.28E-13	-0.29304	1.06E-10	-0.37213	8.72E-17
0.65612	-0.21775	2.03E-06	-0.09016	0.05152	-0.18591	5.30E-05	-0.3035	2.09E-11
0.04347	-0.33092	2.14E-13	-0.01747	0.70651	-0.18769	4.48E-05	-0.36413	4.35E-16
0.09136	-0.32624	4.83E-13	-0.20053	1.26E-05	-0.39573	5.86E-19	-0.50409	1.82E-31
0.00294	-0.26751	4.29E-09	-0.11488	0.01299	-0.3562	2.04E-15	-0.49528	2.84E-30
0.68352	-0.3059	1.42E-11	-0.1084	0.01911	-0.17369	0.00016	-0.31833	1.86E-12
0.03678	-0.30995	7.41E-12	-0.19095	3.27E-05	-0.24231	1.15E-07	-0.41632	5.30E-21
0.40702	-0.23423	3.06E-07	-0.16034	0.0005	-0.27894	8.58E-10	-0.34994	6.72E-15
0.10018	-0.05571	0.2295	0.057697	0.2133	0.037776	0.41539	0.012921	0.78063
3.39E-09	-0.19862	1.53E-05	-0.16662	0.0003	-0.2315	4.23E-07	-0.3257	5.30E-13
0.00041	-0.4069	4.76E-20	-0.34363	2.18E-14	-0.51256	1.20E-32	-0.66092	5.92E-60
0.17596	-0.13535	0.00338	-0.36615	2.91E-16	-0.46832	7.83E-27	-0.48348	9.92E-29
0.00319	-0.23265	3.69E-07	-0.10128	0.02864	-0.27446	1.62E-09	-0.32646	4.65E-13
2.13E-07	-0.40289	1.19E-19	-0.31279	4.66E-12	-0.41731	4.20E-21	-0.63998	3.61E-55
3.64E-05	-0.15472	0.00079	-0.14934	0.00121	-0.25391	2.64E-08	-0.3355	9.50E-14
7.47E-07	-0.41447	8.22E-21	-0.29612	6.62E-11	-0.45525	2.85E-25	-0.65498	1.47E-58
0.43593	-0.1622	0.00043	0.028073	0.54507	-0.19626	1.94E-05	-0.23909	1.70E-07
1.53E-06	-0.32791	3.61E-13	-0.38628	4.57E-18	-0.37918	2.04E-17	-0.5468	9.09E-38
0.00044	-0.37974	1.82E-17	-0.19595	2.00E-05	-0.32673	4.44E-13	-0.56304	2.07E-40
0.23712	-0.19242	2.84E-05	-0.08286	0.07364	-0.20624	7.01E-06	-0.28165	5.79E-10
0.16619	-0.27813	9.63E-10	0.07265	0.11692	-0.17589	0.00013	-0.29191	1.26E-10
0.02785	-0.2285	6.01E-07	-0.18685	4.85E-05	-0.10731	0.02037	-0.32099	1.19E-12
0.00411	-0.32778	3.70E-13	-0.27081	2.71E-09	-0.41655	5.03E-21	-0.59456	5.60E-46
0.09285	-0.20736	6.23E-06	-0.24817	5.51E-08	-0.10084	0.02934	-0.31073	6.53E-12
9.92E-10	-0.39277	1.12E-18	-0.19534	2.13E-05	-0.38774	3.34E-18	-0.56356	1.70E-40
0.54559	-0.06829	0.14058	-0.24796	5.66E-08	-0.2282	6.23E-07	-0.24357	9.82E-08
0.00273	-0.29757	5.29E-11	-0.29737	5.45E-11	-0.44676	2.72E-24	-0.46874	6.96E-27
0.00038	-0.27905	8.44E-10	-0.21286	3.47E-06	-0.4661	1.46E-26	-0.50962	3.12E-32
0.206	-0.29612	6.62E-11	-0.1926	2.79E-05	-0.32788	3.64E-13	-0.50428	1.71E-31
0.23066	-0.32827	3.40E-13	-0.19014	3.54E-05	-0.39509	6.76E-19	-0.48891	1.97E-29

0.64475	-0.32298	8.46E-13	-0.24486	8.36E-08	-0.41524	6.85E-21	-0.54165	5.84E-37
0.01683	-0.24941	4.71E-08	-0.26458	6.39E-09	-0.33443	1.15E-13	-0.45215	6.53E-25
1.08E-06	-0.26437	6.58E-09	-0.07545	0.10345	-0.25187	3.44E-08	-0.32079	1.23E-12
0.05465	-0.30754	1.09E-11	-0.28627	2.93E-10	-0.23807	1.93E-07	-0.42896	2.50E-22
0.6989	-0.10985	0.01757	-0.28312	4.67E-10	-0.18399	6.35E-05	-0.23558	2.60E-07
0.06318	-0.28165	5.79E-10	-0.26142	9.80E-09	-0.36908	1.62E-16	-0.45157	7.63E-25
0.00196	-0.24638	6.91E-08	-0.07139	0.12343	-0.34255	2.65E-14	-0.37287	7.50E-17
0.00548	-0.32789	3.63E-13	-0.27484	1.54E-09	-0.35225	4.34E-15	-0.50396	1.89E-31
0.01428	-0.19902	1.47E-05	-0.19987	1.35E-05	-0.07886	0.08872	-0.28158	5.85E-10
0.45353	-0.27645	1.22E-09	-0.09872	0.03294	-0.21984	1.61E-06	-0.32384	7.30E-13
4.43E-06	-0.41144	1.67E-20	-0.33985	4.34E-14	-0.47461	1.31E-27	-0.64748	7.69E-57
0.86626	-0.08359	0.07111	0.034879	0.45208	-0.14136	0.0022	-0.12745	0.00582
0.00452	-0.22233	1.22E-06	-0.00683	0.88304	-0.21211	3.76E-06	-0.32613	4.93E-13
0.3488	-0.24929	4.78E-08	-0.21431	2.96E-06	-0.28805	2.25E-10	-0.40007	2.23E-19
0.0033	-0.20966	4.89E-06	-0.03858	0.40553	-0.23768	2.02E-07	-0.3441	1.99E-14
0.02721	-0.26781	4.11E-09	-0.25901	1.35E-08	-0.33691	7.38E-14	-0.44423	5.25E-24
0.0003	-0.3876	3.44E-18	-0.29683	5.93E-11	-0.38896	2.57E-18	-0.59475	5.17E-46
0.65407	-0.23112	4.43E-07	-0.0589	0.2039	-0.17946	9.64E-05	-0.33003	2.50E-13
0.00213	-0.4174	4.11E-21	-0.27779	1.01E-09	-0.44607	3.25E-24	-0.63354	8.98E-54
0.18852	-0.27314	1.96E-09	-0.23919	1.68E-07	-0.32946	2.76E-13	-0.48164	1.71E-28
0.29533	-0.27046	2.85E-09	-0.0765	0.09868	-0.23195	4.01E-07	-0.33034	2.37E-13
0.16072	-0.18479	5.89E-05	-0.1548	0.00079	-0.36654	2.69E-16	-0.33217	1.71E-13
0.86162	-0.29116	1.41E-10	-0.22118	1.39E-06	-0.36887	1.69E-16	-0.51635	3.48E-33
0.00121	-0.36521	3.50E-16	-0.2281	6.30E-07	-0.35604	2.11E-15	-0.52008	1.01E-33
0.68693	-0.17328	0.00017	-0.15234	0.00096	-0.26256	8.41E-09	-0.29173	1.29E-10
0.04039	-0.21265	3.55E-06	-0.20746	6.17E-06	-0.2639	7.01E-09	-0.37895	2.14E-17
0.00148	-0.28025	7.09E-10	-0.33697	7.30E-14	-0.35041	6.14E-15	-0.50302	2.55E-31
0.18396	-0.29885	4.33E-11	-0.16113	0.00047	-0.38601	4.83E-18	-0.42754	3.56E-22
0.22123	-0.30216	2.58E-11	-0.27092	2.67E-09	-0.33885	5.20E-14	-0.47513	1.13E-27
0.93236	-0.31772	2.06E-12	-0.06821	0.14106	-0.30533	1.56E-11	-0.48982	1.50E-29
9.33E-05	-0.14759	0.00138	-0.02738	0.55507	-0.23216	3.92E-07	-0.34046	3.89E-14
0.21005	-0.23312	3.49E-07	-0.08044	0.08249	-0.28375	4.26E-10	-0.3504	6.17E-15
0.01617	-0.28255	5.08E-10	-0.29505	7.81E-11	-0.34109	3.46E-14	-0.45787	1.40E-25
0.33562	-0.23508	2.77E-07	-0.06599	0.1545	-0.14423	0.00178	-0.24749	6.01E-08
0.08983	-0.25427	2.52E-08	-0.07276	0.11638	-0.24217	1.17E-07	-0.42844	2.84E-22
0.76982	-0.18902	3.94E-05	-0.03633	0.43343	-0.08841	0.05625	-0.21631	2.38E-06
0.00496	-0.29641	6.33E-11	-0.30707	1.18E-11	-0.1899	3.62E-05	-0.39069	1.77E-18
1.38E-05	-0.40502	7.31E-20	-0.15224	0.00097	-0.4368	3.52E-23	-0.60761	1.82E-48
0.25763	-0.08514	0.06602	-0.13836	0.00273	0.013491	0.77122	-0.14468	0.00172
1.88E-05	-0.40337	1.06E-19	-0.19663	1.87E-05	-0.45412	3.87E-25	-0.6525	5.51E-58
0.00018	-0.26201	9.05E-09	-0.32683	4.36E-13	-0.51638	3.45E-33	-0.62092	3.96E-51
0.0006	-0.45326	4.86E-25	-0.2582	1.51E-08	-0.4928	6.06E-30	-0.68108	6.13E-65
1.28E-10	-0.39992	2.31E-19	-0.33118	2.04E-13	-0.40205	1.43E-19	-0.68008	1.11E-64
0.00173	-0.29978	3.75E-11	-0.39213	1.29E-18	-0.42123	1.65E-21	-0.55526	3.98E-39
1.16E-14	-0.29562	7.15E-11	-0.21314	3.37E-06	-0.18881	4.02E-05	-0.44009	1.53E-23

1.82E-05	-0.30613	1.37E-11	-0.28257	5.06E-10	-0.25742	1.67E-08	-0.50312	2.47E-31
0.48242	-0.33264	1.58E-13	-0.05792	0.2115	-0.23964	1.59E-07	-0.39777	3.73E-19
6.29E-18	-0.30469	1.73E-11	-0.13182	0.00432	-0.17183	0.00019	-0.39591	5.64E-19
0.00013	-0.35092	5.59E-15	-0.27773	1.02E-09	-0.30137	2.92E-11	-0.54398	2.53E-37
4.43E-05	-0.37623	3.77E-17	-0.29979	3.74E-11	-0.28718	2.57E-10	-0.45637	2.11E-25
2.42E-09	-0.33272	1.56E-13	-0.13907	0.0026	-0.30194	2.67E-11	-0.4457	3.58E-24
0.00425	-0.28637	2.89E-10	-0.3846	6.52E-18	-0.4479	2.02E-24	-0.57717	7.85E-43
0.01227	-0.28222	5.32E-10	-0.27216	2.25E-09	-0.26412	6.81E-09	-0.3931	1.05E-18
0.64616	-0.23473	2.88E-07	-0.22498	9.02E-07	-0.23695	2.21E-07	-0.4168	4.74E-21
0.69911	-0.08297	0.07325	-0.11787	0.0108	-0.15729	0.00065	-0.16804	0.00026
0.00069	-0.16483	0.00035	-0.19683	1.83E-05	-0.3052	1.59E-11	-0.3992	2.71E-19
0.00041	-0.35974	1.03E-15	-0.11425	0.0135	-0.12204	0.00829	-0.2966	6.15E-11
5.44E-06	-0.14415	0.00179	-0.42282	1.12E-21	-0.39554	6.11E-19	-0.50516	1.30E-31
0.79213	-0.24757	5.95E-08	0.001725	0.97034	-0.17524	0.00014	-0.29888	4.32E-11
3.37E-08	-0.4432	6.86E-24	-0.42217	1.31E-21	-0.38597	4.88E-18	-0.65459	1.82E-58
0.03715	-0.20585	7.30E-06	-0.23663	2.30E-07	-0.28874	2.03E-10	-0.34444	1.87E-14
0.08888	-0.29542	7.37E-11	-0.20347	9.35E-06	-0.22977	5.18E-07	-0.37593	4.01E-17
0.73758	-0.35897	1.19E-15	-0.26655	4.89E-09	-0.46442	2.33E-26	-0.54839	5.09E-38
1.38E-11	-0.15613	0.00071	-0.17053	0.00021	-0.24744	6.05E-08	-0.32449	6.53E-13
0.0113	-0.16759	0.00028	-0.34227	2.79E-14	-0.29565	7.11E-11	-0.32657	4.56E-13
0.00828	-0.19185	3.00E-05	-0.21814	1.95E-06	-0.28632	2.92E-10	-0.41849	3.17E-21
6.44E-12	0.292499	1.15E-10	0.222019	1.26E-06	0.287187	2.56E-10	0.514828	5.74E-33
4.50E-07	0.144254	0.00178	0.108726	0.01876	0.089102	0.05433	0.29334	1.01E-10
1.10E-05	0.103984	0.02463	0.080338	0.08287	0.040425	0.38343	0.217733	2.04E-06
1.83E-09	0.046342	0.31764	0.155052	0.00077	0.093956	0.04241	0.217211	2.16E-06
1.17E-17	0.242049	1.19E-07	0.136808	0.00305	0.172463	0.00018	0.405731	6.22E-20
2.65E-10	0.116753	0.01157	0.00631	0.89183	0.007989	0.86329	0.193251	2.61E-05
8.67E-06	0.07567	0.10243	0.064143	0.1664	0.151203	0.00105	0.211622	3.96E-06
0.01306	0.077462	0.09452	0.070437	0.12852	0.064793	0.16214	0.203053	9.76E-06
5.20E-06	0.059957	0.19588	0.143575	0.00187	0.093203	0.0441	0.201133	1.19E-05
1.61E-10	0.180858	8.48E-05	0.113366	0.01424	0.112292	0.01519	0.285178	3.45E-10
5.65E-10	0.148589	0.00128	-0.04947	0.28606	0.037121	0.42352	0.148869	0.00125
1.19E-07	0.129089	0.00521	0.037921	0.4136	0.050797	0.2733	0.232495	3.76E-07
6.80E-05	0.149149	0.00123	0.028841	0.53412	0.096798	0.03652	0.261047	1.03E-08
7.06E-13	0.152231	0.00097	0.141334	0.0022	0.065332	0.15867	0.220274	1.54E-06
1.38E-34	0.186629	4.95E-05	0.150263	0.00113	0.144287	0.00177	0.322377	9.37E-13
3.28E-05	0.092705	0.04525	-0.05331	0.25025	-0.02741	0.55463	0.114652	0.01317
1.08E-30	0.093121	0.04429	0.018162	0.69545	-0.06658	0.15087	0.080083	0.08385
0.03651	0.018919	0.68344	-0.06295	0.17441	-0.05462	0.23874	0.047294	0.30779
3.25E-05	0.120519	0.00914	0.122718	0.00793	0.090849	0.04976	0.261944	9.13E-09
0.26698	0.123547	0.00752	0.074673	0.10704	0.090094	0.05169	0.226825	7.30E-07
4.47E-19	0.162274	0.00043	0.180794	8.53E-05	0.161789	0.00045	0.332001	1.77E-13
6.08E-10	0.104532	0.02388	-0.00819	0.85987	0.098965	0.0325	0.204545	8.37E-06
0.00048	0.106411	0.02145	0.012657	0.78502	0.079022	0.08805	0.179763	9.38E-05
0.17477	0.115622	0.01241	-0.00514	0.9118	-0.02177	0.63894	0.165166	0.00034

3.82E-10	0.045533	0.32617	-0.16391	0.00038	-0.11345	0.01417	-0.01366	0.76852
8.62E-06	0.146824	0.00146	0.1383	0.00274	0.087293	0.05943	0.259083	1.34E-08
1.09E-10	0.100974	0.02912	0.123375	0.0076	0.053507	0.24849	0.210527	4.46E-06
2.57E-10	0.262285	8.72E-09	0.128917	0.00527	0.266706	4.78E-09	0.463147	3.31E-26
1.96E-09	0.068464	0.1396	0.002137	0.96327	0.026077	0.57404	0.100984	0.02911
0.01005	-0.00196	0.96626	-0.0711	0.12496	-0.01554	0.73767	-0.01352	0.77069
2.07E-10	0.189375	3.81E-05	0.144197	0.00178	0.205105	7.89E-06	0.409675	2.51E-20
5.80E-07	0.107662	0.01996	0.023814	0.60773	0.002737	0.95296	0.134534	0.00358
3.53E-09	0.171655	0.00019	0.056595	0.22219	0.039481	0.39464	0.239238	1.67E-07
1.12E-07	0.270506	2.83E-09	0.235751	2.55E-07	0.234498	2.97E-07	0.409462	2.64E-20
6.24E-09	0.056011	0.227	-0.08112	0.07991	-0.10721	0.02049	0.0509	0.27232
0.00027	0.049887	0.28199	-0.07983	0.08484	-0.09408	0.04215	0.02347	0.61293
4.32E-12	-0.00024	0.99594	0.032231	0.48717	-0.01176	0.79999	0.058457	0.20732
1.22E-12	0.176052	0.00013	0.132719	0.00406	0.09672	0.03667	0.314035	3.79E-12
4.15E-10	0.213753	3.15E-06	0.22735	6.87E-07	0.270446	2.85E-09	0.43606	4.25E-23
2.18E-05	0.118451	0.01041	0.132085	0.00425	-0.01967	0.67157	0.149923	0.00116
5.92E-06	0.072408	0.11815	0.128985	0.00525	0.036859	0.42681	0.177148	0.00012
2.54E-10	0.317387	2.17E-12	0.027665	0.55093	0.081225	0.07952	0.342925	2.48E-14
0.00306	0.074307	0.10878	-0.00842	0.85592	-0.09177	0.04748	0.039486	0.39457
6.97E-06	0.081761	0.07755	-0.12052	0.00914	-0.07315	0.11443	0.052874	0.25414
2.11E-09	0.032444	0.48428	0.042053	0.36455	-0.04511	0.33069	0.088474	0.05606
2.91E-14	-0.01534	0.74099	-0.18839	4.19E-05	-0.10621	0.02171	-0.10341	0.02544
2.99E-06	0.113297	0.0143	0.02895	0.53258	0.036579	0.43034	0.148228	0.00132
3.78E-07	0.041431	0.37169	0.021946	0.63619	0.030716	0.50788	0.065213	0.15943
0.86934	0.170705	0.00021	0.030148	0.51576	0.208577	5.48E-06	0.383967	7.47E-18
0.0021	0.011486	0.80448	-0.1342	0.00367	-0.01058	0.8196	-0.03423	0.46056
0.1407	-0.04343	0.34904	0.007097	0.87843	-0.01324	0.77532	-0.01965	0.67185
0.26426	0.097685	0.03482	-0.02275	0.62392	-0.00298	0.94882	0.051339	0.2682
0.42397	0.037943	0.41333	0.036801	0.42754	0.060006	0.19552	0.052733	0.25541
0.02607	0.118064	0.01067	0.159776	0.00053	0.211205	4.15E-06	0.296603	6.14E-11
0.05601	0.037725	0.41602	0.367497	2.22E-16	0.383347	8.51E-18	0.334684	1.10E-13
1.95E-08	-0.0545	0.23984	0.074419	0.10825	-0.01611	0.72845	-0.03262	0.48188
0.41115	-0.1088	0.01868	0.104391	0.02407	0.015198	0.74324	-0.08066	0.08164
6.19E-05	-0.0247	0.59446	0.052848	0.25437	0.082491	0.07493	0.108361	0.01916
0.28719	-0.02857	0.53802	0.174865	0.00015	0.216925	2.23E-06	0.233491	3.34E-07
0.05906	0.095733	0.03864	0.015293	0.7417	0.116227	0.01195	0.141146	0.00223
0.83369	-0.03393	0.46452	0.059693	0.19786	0.154566	0.0008	0.09084	0.04978
0.00423	0.02845	0.53969	0.179518	9.59E-05	0.300108	3.56E-11	0.294315	8.73E-11
0.28825	-0.12695	0.00601	-0.09733	0.0355	-0.03508	0.44948	-0.15089	0.00107
0.01639	-0.23556	2.61E-07	-0.02648	0.5681	0.007682	0.86849	-0.07367	0.11185
9.62E-05	-0.11343	0.01418	-0.05288	0.25408	-0.04333	0.35011	-0.09724	0.03567
0.81993	-0.05456	0.23931	0.205508	7.57E-06	0.033024	0.47651	-0.00022	0.99617
0.02281	0.088956	0.05473	0.040565	0.38177	0.218044	1.97E-06	0.279771	7.60E-10
1.35E-06	0.103289	0.02561	0.133674	0.0038	0.117156	0.01129	0.165273	0.00033
6.57E-10	0.144921	0.00169	-0.07009	0.13042	0.011833	0.7987	0.135088	0.00345



0.79205	0.004753	0.9184	-0.0652	0.15954	0.054452	0.24022	0.044399	0.33838
0.002	0.054658	0.23844	0.217674	2.05E-06	0.336369	8.13E-14	0.28029	7.05E-10
9.20E-07	0.134585	0.00357	0.260665	1.08E-08	0.243092	1.04E-07	0.361097	7.89E-16
0.41097	-0.07303	0.11503	0.075664	0.10245	0.02924	0.52848	-0.04119	0.37445
0.80344	0.001974	0.96607	0.089031	0.05452	0.114447	0.01333	0.145636	0.0016
0.7888	0.070393	0.12876	0.076328	0.09947	0.229099	5.61E-07	0.245878	7.36E-08
1.08E-05	0.058491	0.20706	0.176787	0.00012	0.294476	8.52E-11	0.2325	3.76E-07
0.00058	-0.06425	0.16566	0.053972	0.2444	0.055859	0.22827	-0.03028	0.51395
0.71172	-0.19771	1.68E-05	-0.16511	0.00034	-0.27392	1.75E-09	-0.30779	1.05E-11
0.00773	-0.13971	0.00248	0.19834	1.58E-05	0.096443	0.03721	-0.02799	0.54634
0.29931	-0.19934	1.43E-05	0.003685	0.9367	-0.16509	0.00034	-0.28944	1.83E-10
1.66E-05	-0.03092	0.50502	0.130502	0.00473	-0.04744	0.30625	-0.0033	0.94322
0.00018	-0.02986	0.51982	0.040587	0.38152	0.051951	0.26253	0.025243	0.58635
0.00037	-0.1281	0.00557	0.042058	0.36449	-0.0046	0.92108	-0.02953	0.52442
1.86E-13	0.067066	0.14788	0.140892	0.00227	0.120265	0.00928	0.16319	0.0004
8.67E-12	0.082274	0.0757	0.224772	9.24E-07	0.101581	0.02816	0.195179	2.16E-05
0.23341	-0.06802	0.14222	-0.06674	0.14988	-0.17821	0.00011	-0.20995	4.74E-06
0.00016	-0.1256	0.00657	0.00594	0.89813	-0.01404	0.76224	-0.0704	0.12873
0.00019	-0.04949	0.28585	-0.04887	0.29195	-0.11611	0.01204	-0.10058	0.02976
0.00812	-0.02962	0.52318	0.06438	0.16484	0.086205	0.06269	0.078812	0.0889
2.50E-07	-0.09756	0.03506	-0.06622	0.15305	-0.05758	0.21427	-0.13058	0.00471
4.98E-05	0.043845	0.34445	0.037736	0.41588	0.204544	8.37E-06	0.163356	0.00039
0.00845	-0.16643	0.0003	-0.05665	0.22174	-0.10888	0.01859	-0.17372	0.00016
0.00995	-0.03571	0.44135	0.008061	0.86208	0.032433	0.48443	0.048514	0.29547
0.00716	0.130987	0.00458	0.257608	1.63E-08	0.273817	1.78E-09	0.296868	5.90E-11
6.53E-06	-0.017	0.71403	0.163077	0.0004	0.106486	0.02136	0.091517	0.04809
0.03136	-0.02034	0.66104	-0.21957	1.66E-06	-0.05499	0.23557	-0.0749	0.10598
7.83E-05	0.08458	0.06783	0.266477	4.94E-09	0.277653	1.03E-09	0.340835	3.63E-14
8.48E-09	-0.06279	0.17553	-0.13134	0.00447	-0.25977	1.22E-08	-0.20244	1.04E-05
2.25E-08	0.087553	0.05868	0.225056	8.94E-07	0.268473	3.75E-09	0.169726	0.00023
0.04926	-0.04202	0.36487	0.131059	0.00456	0.027658	0.55104	-0.00699	0.88032
8.32E-05	-0.1369	0.00303	-0.11205	0.01541	-0.10773	0.01987	-0.15609	0.00071
6.72E-14	0.018289	0.69344	0.170703	0.00021	0.060165	0.19433	0.118674	0.01026
0.02247	0.036843	0.427	0.112432	0.01506	0.127667	0.00573	0.113733	0.01392
0.0524	-0.21538	2.64E-06	-0.09658	0.03695	-0.22419	9.87E-07	-0.3579	1.47E-15
0.09138	-0.01166	0.80151	-0.10418	0.02436	0.020704	0.65541	-0.01065	0.81841
7.26E-05	-0.12267	0.00796	0.187679	4.48E-05	0.249019	4.95E-08	0.14691	0.00145
0.00488	0.125073	0.00681	0.207992	5.83E-06	0.291305	1.38E-10	0.377435	2.94E-17
0.31003	-0.11563	0.0124	0.014705	0.75128	-0.05696	0.2192	-0.11995	0.00947
0.42882	0.019041	0.6815	-0.02368	0.60981	-0.00425	0.9271	0.02129	0.6463
8.41E-09	0.054876	0.23658	-0.06475	0.16243	-0.0402	0.38606	0.035321	0.44637
0.06563	0.125533	0.0066	0.146454	0.00151	0.291034	1.44E-10	0.334781	1.08E-13
0.00084	-0.15932	0.00055	-0.15212	0.00097	-0.24301	1.05E-07	-0.26055	1.10E-08
0.00144	-0.1674	0.00028	0.022159	0.63291	-0.11802	0.01069	-0.2008	1.23E-05
2.18E-09	-0.0945	0.04123	-0.04231	0.3616	-0.14058	0.00233	-0.17164	0.00019

0.06497	0.028762	0.53524	0.072104	0.1197	0.119371	0.00982	0.14222	0.00206
0.68573	0.056265	0.2249	0.047787	0.30277	0.156985	0.00066	0.044279	0.33969
0.00553	0.067676	0.14422	0.087847	0.05783	0.148339	0.00131	0.087651	0.05839
0.0012	-0.08953	0.05318	-0.02449	0.59763	-0.04108	0.37581	-0.05855	0.20656
2.96E-05	-0.07968	0.08541	0.137539	0.0029	0.011583	0.80285	-0.04412	0.34148
2.48E-05	-0.14414	0.00179	-0.04792	0.30143	-0.11463	0.01318	-0.1919	2.98E-05
0.82507	-0.06962	0.133	0.027157	0.55828	-0.03025	0.51429	-0.04203	0.36485
0.35722	0.090869	0.0497	-0.05203	0.26181	0.03533	0.44625	0.028324	0.54149
0.73345	-0.09585	0.03839	-0.11487	0.01299	-0.26651	4.92E-09	-0.35764	1.55E-15
3.80E-06	0.047751	0.30314	-0.16161	0.00045	-0.12737	0.00585	-0.03546	0.44456
0.53201	-0.03976	0.39133	0.134166	0.00368	0.224814	9.19E-07	0.25897	1.36E-08
0.61981	0.062337	0.17869	0.198735	1.52E-05	0.196841	1.83E-05	0.219002	1.77E-06
1.78E-08	-0.00313	0.94618	-0.1207	0.00903	-0.16027	0.00051	-0.08556	0.0647
0.0593	0.15013	0.00114	0.21479	2.81E-06	0.368456	1.83E-16	0.398055	3.50E-19
0.05389	-0.07458	0.10747	0.02802	0.54584	-0.05501	0.23541	-0.11978	0.00958
0.37318	0.023542	0.61184	0.04149	0.37101	0.118459	0.0104	0.14875	0.00126
0.00013	-0.19373	2.49E-05	-0.04655	0.31546	-0.1439	0.00182	-0.23946	1.63E-07
1.21E-05	-0.08369	0.07078	0.139077	0.00259	0.140606	0.00232	0.097479	0.03521
5.16E-10	-0.0016	0.97244	0.215079	2.73E-06	0.160449	0.0005	0.135905	0.00325
0.00292	0.038937	0.40119	0.053521	0.24837	0.061738	0.18291	0.136084	0.00321
1.62E-17	0.053376	0.24966	-0.01205	0.79507	-0.02782	0.5487	0.073191	0.11421
0.0064	0.031563	0.49624	0.158676	0.00058	0.283375	4.50E-10	0.225433	8.56E-07
2.12E-05	0.005583	0.90423	0.051698	0.26487	-0.0168	0.7172	0.060811	0.18958
0.00126	0.152006	0.00098	0.078598	0.08977	0.207525	6.13E-06	0.314824	3.33E-12
0.42202	-0.11955	0.00972	0.03441	0.45819	-0.07283	0.11599	-0.09244	0.04588
0.07035	0.062443	0.17795	0.306767	1.24E-11	0.322409	9.32E-13	0.300485	3.36E-11
0.6012	0.064454	0.16436	0.325574	5.42E-13	0.310079	7.26E-12	0.297489	5.36E-11
9.52E-08	-0.11716	0.01128	0.19992	1.34E-05	-0.00894	0.84724	-0.03751	0.41865
0.44667	-0.22036	1.52E-06	-0.18187	7.73E-05	-0.28312	4.67E-10	-0.4077	3.96E-20
0.01286	0.076357	0.09934	-0.0343	0.45962	0.061519	0.18446	0.069455	0.13395
0.00752	0.06609	0.15388	0.113833	0.01384	0.087569	0.05863	0.13764	0.00288
0.10452	-0.19438	2.34E-05	0.049875	0.28211	-0.12363	0.00748	-0.14505	0.00167
0.10632	-0.12808	0.00557	0.0627	0.17616	-0.0282	0.54327	-0.08208	0.07638
0.51134	-0.07186	0.12097	-0.13995	0.00244	-0.11272	0.0148	-0.18329	6.77E-05
3.66E-11	-0.10578	0.02224	-0.11725	0.01122	-0.07046	0.12842	-0.1044	0.02405
0.68694	0.050459	0.27651	0.096099	0.0379	0.15744	0.00064	0.159773	0.00053
0.24214	-0.28524	3.42E-10	0.056708	0.22127	-0.03095	0.50468	-0.14247	0.00203
0.00235	-0.12002	0.00943	-0.13551	0.00335	-0.19435	2.35E-05	-0.20387	8.97E-06
0.83078	-0.03129	0.49992	-0.1327	0.00407	-0.11739	0.01112	-0.07513	0.10489
0.01663	-0.24255	1.11E-07	-0.02373	0.60906	-0.11588	0.01222	-0.18151	7.99E-05
0.8797	0.180251	8.97E-05	-0.12627	0.00629	-0.00896	0.84685	0.123537	0.00752
0.71475	-0.12452	0.00705	0.01059	0.81946	-0.02592	0.57637	-0.02734	0.55565
0.0026	0.038048	0.41203	0.035773	0.44056	0.1109	0.01651	0.155295	0.00076
0.02633	-0.05288	0.25406	-0.00233	0.95996	0.02366	0.61005	0.010896	0.81433
3.11E-06	-0.01409	0.76145	-0.14795	0.00134	-0.02867	0.53656	0.005483	0.90593

0.013	-0.02603	0.57473	-0.02327	0.61601	-0.141	0.00226	-0.10264	0.02656
0.27617	-0.12288	0.00785	-0.04055	0.38198	-0.03918	0.39821	-0.15487	0.00079
0.07068	0.073466	0.11285	-0.13139	0.00446	-0.0721	0.11974	0.004366	0.92502
0.59737	-0.12302	0.00778	-0.20874	5.39E-06	-0.18116	8.25E-05	-0.21797	1.98E-06
3.39E-17	0.041127	0.37521	0.013402	0.77269	0.075379	0.10376	0.159224	0.00055
1.84E-12	0.076944	0.09676	0.129167	0.00518	0.107626	0.02	0.239359	1.65E-07
3.54E-11	-0.02495	0.59072	-0.0392	0.39797	-0.03981	0.39065	-0.02296	0.62064
0.09864	0.028639	0.537	0.091129	0.04905	0.059342	0.20051	0.125564	0.00659
7.62E-10	-0.03072	0.50786	-0.16107	0.00048	-0.10316	0.02579	-0.03976	0.39131
2.45E-10	0.11189	0.01556	0.24219	1.17E-07	0.208115	5.76E-06	0.294435	8.57E-11
0.00012	-0.10681	0.02097	-0.00791	0.8646	-0.06901	0.13644	-0.09322	0.04406
0.33267	-0.09023	0.05133	-0.19996	1.34E-05	-0.1777	0.00011	-0.20189	1.10E-05
0.00693	-0.03056	0.51006	0.069836	0.13182	-0.14183	0.00212	-0.15409	0.00083
0.00355	-0.02823	0.54278	0.023718	0.60918	0.058088	0.21021	0.069148	0.13568
1.20E-07	-0.00982	0.83234	0.170493	0.00021	0.015794	0.73355	0.075149	0.10482
0.02254	-0.20758	6.09E-06	-0.20802	5.81E-06	-0.1671	0.00029	-0.27069	2.76E-09
7.19E-09	-0.0482	0.29859	-0.10033	0.03018	-0.05973	0.19755	-0.06656	0.15097
0.84024	-0.06814	0.14149	0.116087	0.01206	0.066005	0.15441	0.026856	0.56265
1.88E-07	-0.16707	0.00029	-0.09215	0.04657	-0.28921	1.89E-10	-0.25823	1.50E-08
0.01153	-0.0974	0.03537	-0.02747	0.55372	-0.16068	0.00049	-0.26661	4.84E-09
4.65E-08	-0.0245	0.59744	0.169341	0.00024	0.090789	0.04991	0.10074	0.0295
0.02168	0.008961	0.84685	-0.12412	0.00724	0.115327	0.01264	0.031547	0.49646
0.00021	0.011221	0.8089	-0.02356	0.61162	-0.05829	0.2086	-0.06811	0.14167
0.00355	-0.11046	0.01694	-0.09382	0.04272	-0.12208	0.00827	-0.19975	1.37E-05
1.00E-08	-0.03358	0.46914	0.080169	0.08352	0.039447	0.39504	0.05923	0.20137
0.00013	-0.00226	0.9612	-0.0132	0.77596	0.082537	0.07476	0.001086	0.98133
0.07041	0.020707	0.65536	0.005874	0.89925	0.042371	0.36093	0.062984	0.17421
0.00704	-0.06271	0.17611	0.050527	0.27586	-0.19361	2.52E-05	-0.21475	2.83E-06
0.156	0.063854	0.16833	0.232937	3.57E-07	0.209632	4.90E-06	0.279994	7.36E-10
2.49E-06	0.066846	0.14922	0.38163	1.22E-17	0.341814	3.03E-14	0.379852	1.78E-17
0.919	-0.16392	0.00038	-0.03118	0.50142	-0.10273	0.02642	-0.15995	0.00052
0.00016	-0.15144	0.00103	-0.03811	0.41132	-0.1631	0.0004	-0.22734	6.88E-07
0.00058	-0.10229	0.02708	-0.16702	0.00029	-0.15912	0.00056	-0.15942	0.00054
0.07406	-0.09901	0.03242	0.107486	0.02016	-0.03724	0.42207	-0.10787	0.01971
0.00385	0.015025	0.74606	0.083566	0.0712	0.025809	0.57798	0.108445	0.01907
3.19E-11	-0.05383	0.24564	-0.07088	0.12615	-0.06799	0.14237	-0.05279	0.2549
1.89E-07	-0.08745	0.05897	-0.01014	0.82705	-0.06811	0.14165	-0.17493	0.00014
0.00123	-0.06527	0.15904	0.033605	0.46877	-0.01582	0.73311	-0.01936	0.67647
0.00101	-0.12553	0.0066	0.119264	0.00989	0.10692	0.02083	0.051412	0.26753
0.02149	0.018904	0.68367	0.051219	0.26933	0.135567	0.00333	0.084446	0.06827
0.08705	-0.04539	0.32771	-0.04734	0.30729	-0.09091	0.0496	-0.05253	0.25723
0.00044	0.078699	0.08936	0.233495	3.34E-07	0.317155	2.26E-12	0.308644	9.16E-12
8.53E-05	-0.0094	0.83952	0.014175	0.75997	0.046262	0.31848	-0.04154	0.37047
2.20E-10	-0.04892	0.29144	0.172729	0.00018	0.13422	0.00366	0.141182	0.00223
3.08E-08	-0.03226	0.48671	0.091404	0.04837	0.154015	0.00084	0.112276	0.0152

0.72284	0.060769	0.18988	-0.02869	0.53631	0.006813	0.88326	0.072091	0.11977
3.14E-16	0.117303	0.01118	0.188847	4.01E-05	0.209446	5.00E-06	0.305943	1.41E-11
0.00113	0.094448	0.04134	0.103405	0.02544	0.153048	0.00091	0.175577	0.00014
0.05453	0.036043	0.43712	0.019705	0.67104	0.130149	0.00485	0.071052	0.12521
1.84E-05	0.123845	0.00737	0.27323	1.93E-09	0.385929	4.92E-18	0.409988	2.34E-20
0.34636	0.009549	0.83694	-0.0994	0.03174	0.027249	0.55694	0.046589	0.31507
0.02686	-0.01062	0.81897	-0.07329	0.11374	-0.07683	0.09724	-0.04062	0.38118
0.36316	-0.14676	0.00147	-0.20309	9.73E-06	-0.25495	2.31E-08	-0.33465	1.10E-13
0.08382	0.086901	0.06059	-0.00484	0.91695	0.016488	0.7223	0.029272	0.52804
9.15E-12	0.008402	0.85631	0.154523	0.00081	0.097124	0.03589	0.115135	0.01278
6.99E-06	-0.12086	0.00894	-0.04791	0.30154	0.053143	0.25173	0.020103	0.66479
1.48E-06	0.092505	0.04572	-0.06745	0.14555	0.037768	0.41548	0.136171	0.00319
0.00109	0.163846	0.00038	0.259535	1.26E-08	0.350569	5.97E-15	0.394137	8.33E-19
0.08134	0.022081	0.6341	-0.06562	0.15684	0.132772	0.00405	0.092675	0.04532
0.09076	-0.09251	0.04572	-0.22963	5.27E-07	-0.18254	7.26E-05	-0.24329	1.02E-07
0.2667	-0.02134	0.64549	0.078178	0.09151	-0.06873	0.13808	-0.04128	0.37339
1.41E-06	0.034801	0.45309	0.091123	0.04907	0.095989	0.03812	0.173608	0.00016
3.46E-05	-0.01428	0.7583	0.100625	0.02969	0.109526	0.0179	0.09607	0.03796
1.23E-07	-0.04214	0.36358	-0.00191	0.9671	-0.0967	0.0367	-0.15674	0.00068
3.78E-05	-0.25031	4.20E-08	-0.02821	0.54309	-0.15536	0.00076	-0.2975	5.35E-11
0.00408	0.107297	0.02038	0.06423	0.16583	0.192633	2.78E-05	0.267339	4.39E-09
1.42E-07	0.082884	0.07355	0.057513	0.21476	0.027767	0.54947	0.106192	0.02172
0.00439	-0.15079	0.00108	0.292314	1.19E-10	0.071556	0.12255	-0.0491	0.28966
1.66E-12	0.002548	0.9562	0.049185	0.28883	0.037922	0.41358	0.085565	0.06467
9.95E-07	-0.1346	0.00357	-0.13086	0.00462	-0.24332	1.01E-07	-0.29656	6.18E-11
0.28081	-0.18401	6.34E-05	-0.08008	0.08385	0.006411	0.8901	-0.13301	0.00398
0.31867	-0.00104	0.98209	0.013275	0.7748	0.120576	0.0091	0.129307	0.00513
0.15201	-0.00481	0.91736	0.094382	0.04148	0.048178	0.29883	0.079825	0.08486
1.94E-13	-0.09482	0.04053	0.08491	0.06676	0.045691	0.32449	0.027568	0.55233
0.06963	-0.09295	0.04469	-0.10166	0.02805	-0.05567	0.22987	-0.13309	0.00396
0.00015	-0.05823	0.20908	0.196551	1.89E-05	0.082602	0.07453	0.105931	0.02205
0.00555	0.103052	0.02595	0.226429	7.64E-07	0.216111	2.44E-06	0.238635	1.80E-07
0.58176	0.098594	0.03316	-0.05447	0.24003	-0.04881	0.29252	-0.02505	0.58921
2.08E-08	-0.06924	0.13515	0.112702	0.01482	-0.08441	0.06838	-0.08614	0.06288
0.66119	-0.30603	1.39E-11	-0.05778	0.21261	-0.108	0.01957	-0.27318	1.95E-09
0.00018	-0.00592	0.89848	0.069354	0.13451	0.023131	0.61806	0.059856	0.19664
7.51E-06	-0.09593	0.03823	-0.04534	0.32818	-0.08649	0.06182	-0.08303	0.07305
1.47E-07	-0.02814	0.54409	0.177382	0.00012	0.181003	8.37E-05	0.1361	0.00321
1.43E-09	-0.01419	0.75969	0.145205	0.00165	-0.01394	0.76384	0.062376	0.17842
0.00022	-0.01274	0.78362	-0.19387	2.46E-05	-0.27392	1.75E-09	-0.22426	9.79E-07
2.84E-09	0.092991	0.04459	0.104821	0.02349	0.100387	0.03008	0.204358	8.53E-06
4.32E-09	-0.04336	0.34979	0.134949	0.00348	0.146108	0.00155	0.087598	0.05855
0.01899	-0.06914	0.1357	-0.03802	0.41238	-0.17067	0.00021	-0.19052	3.41E-05
2.61E-07	0.095566	0.03898	0.121374	0.00865	0.04184	0.36699	0.153757	0.00086
0.02615	0.005182	0.91107	-0.16736	0.00028	-0.25332	2.85E-08	-0.21633	2.38E-06

3.24E-22	0.189897	3.62E-05	0.163391	0.00039	0.075572	0.10287	0.255144	2.25E-08
0.72005	0.294818	8.09E-11	0.070285	0.12935	0.221217	1.38E-06	0.415818	5.98E-21
4.75E-12	0.097355	0.03545	-0.03356	0.46944	-0.00853	0.85408	0.116004	0.01212
1.11E-20	0.225849	8.16E-07	0.19868	1.52E-05	0.171441	0.0002	0.413819	9.57E-21
1.20E-21	0.141792	0.00213	0.135737	0.00329	-0.01161	0.80237	0.205232	7.79E-06
9.01E-10	0.230101	4.99E-07	0.056541	0.22263	0.130054	0.00488	0.330582	2.27E-13
1.94E-15	0.377109	3.14E-17	0.161949	0.00044	0.259169	1.32E-08	0.558869	1.02E-39
1.28E-18	0.076065	0.10064	0.116413	0.01182	-0.08405	0.06957	0.082458	0.07505
0.01647	0.066185	0.15329	-0.0839	0.07008	-0.02299	0.62027	0.102396	0.02692
5.82E-10	0.261035	1.03E-08	0.105885	0.02211	0.204902	8.06E-06	0.444308	5.15E-24
9.34E-08	0.193785	2.48E-05	-0.02932	0.52731	0.081333	0.07912	0.302338	2.51E-11
2.63E-12	0.29377	9.49E-11	0.08639	0.06213	0.158694	0.00058	0.415962	5.78E-21
5.88E-28	0.218624	1.85E-06	0.156691	0.00068	0.108831	0.01865	0.340734	3.69E-14
1.21E-18	0.156386	0.0007	0.019454	0.67499	0.027933	0.54708	0.24227	1.15E-07
8.37E-13	0.29047	1.57E-10	0.125078	0.0068	0.2519	3.42E-08	0.486092	4.57E-29
6.26E-07	0.237182	2.15E-07	-0.0619	0.18177	0.157256	0.00065	0.324014	7.09E-13
1.91E-10	0.224529	9.49E-07	0.061176	0.18693	0.062511	0.17748	0.319127	1.62E-12
2.30E-20	0.167391	0.00028	0.056167	0.22571	0.079578	0.08583	0.274268	1.67E-09
3.89E-35	0.229515	5.34E-07	0.055244	0.23344	0.053442	0.24906	0.312669	4.75E-12
1.95E-23	0.252101	3.34E-08	0.060148	0.19446	0.110381	0.01702	0.334819	1.07E-13
4.83E-28	0.164632	0.00035	0.03596	0.43818	0.087861	0.05779	0.285693	3.20E-10
2.05E-32	0.235924	2.50E-07	0.021538	0.64247	0.115522	0.01249	0.297139	5.65E-11
8.09E-16	0.138382	0.00273	-0.04616	0.31954	-0.07723	0.09551	0.060392	0.19265
3.82E-28	0.260716	1.08E-08	0.117271	0.01121	0.106256	0.02164	0.366719	2.60E-16
6.83E-24	0.080296	0.08303	0.085673	0.06434	0.01544	0.7393	0.189008	3.95E-05
1.61E-16	0.27606	1.29E-09	0.110938	0.01647	0.182785	7.10E-05	0.418549	3.13E-21
2.21E-09	0.232968	3.56E-07	0.034385	0.45851	0.063058	0.1737	0.287882	2.31E-10
5.74E-15	0.190805	3.32E-05	0.17134	0.0002	0.119616	0.00967	0.291831	1.28E-10
5.07E-43	0.221596	1.32E-06	0.085393	0.06521	0.103163	0.02579	0.312687	4.74E-12
3.32E-33	0.24238	1.14E-07	0.152382	0.00095	0.080322	0.08293	0.338274	5.77E-14
6.34E-14	0.169205	0.00024	0.107478	0.02017	0.119134	0.00997	0.303339	2.14E-11
2.50E-10	0.136446	0.00313	-0.07562	0.10267	-0.14392	0.00182	0.066859	0.14914
0.00032	0.141456	0.00218	-0.04302	0.35366	0.02182	0.63812	0.207784	5.96E-06
1.26E-23	0.137946	0.00281	0.092914	0.04477	0.076941	0.09677	0.218359	1.90E-06
1.52E-30	0.205339	7.70E-06	0.151796	0.001	0.137082	0.00299	0.308041	1.01E-11
8.41E-41	0.092677	0.04532	0.074891	0.10602	0.005835	0.89993	0.144048	0.0018
8.75E-34	0.154785	0.00079	0.091583	0.04793	-0.01191	0.79747	0.19958	1.39E-05
1.25E-18	0.198243	1.59E-05	0.031812	0.49284	0.042367	0.36097	0.271454	2.48E-09
3.78E-23	0.130599	0.0047	-0.02323	0.61652	-0.16398	0.00037	0.037996	0.41267
1.39E-09	0.160075	0.00052	-0.03068	0.5084	0.052824	0.25459	0.26787	4.08E-09
1.01E-06	0.102098	0.02737	0.320976	1.19E-12	0.195818	2.03E-05	0.163007	0.0004
0.41481	-0.02353	0.612	0.133292	0.00391	-0.01319	0.77625	-0.03444	0.45775
0.87207	0.028045	0.54548	0.289755	1.74E-10	0.114628	0.01319	0.121517	0.00857
0.29131	-0.02603	0.5747	0.218722	1.83E-06	0.023777	0.60829	0.023706	0.60936
0.99618	-0.01382	0.76579	0.365942	3.03E-16	0.23085	4.57E-07	0.252724	3.08E-08

0.02925	-0.04126	0.37366	0.378584	2.31E-17	0.208795	5.36E-06	0.109374	0.01806
0.94697	-0.00059	0.98982	0.171424	0.0002	0.022372	0.62964	0.002372	0.95922
0.25666	0.021014	0.65059	0.216868	2.24E-06	0.03347	0.47056	0.097239	0.03567
0.04573	0.045075	0.33107	0.093231	0.04404	0.049967	0.28123	0.069263	0.13503
0.20791	0.029124	0.53012	0.445954	3.35E-24	0.25224	3.28E-08	0.195308	2.13E-05
0.47124	-0.01775	0.70209	0.105912	0.02207	-0.04984	0.28247	-0.06328	0.17217
0.39252	0.092759	0.04512	0.388848	2.63E-18	0.211149	4.17E-06	0.298424	4.63E-11
0.00689	0.091274	0.04869	0.379094	2.08E-17	0.123956	0.00732	0.13615	0.0032
0.47172	0.005479	0.90599	0.175174	0.00014	0.037106	0.42371	-0.00686	0.88238
0.14977	0.132389	0.00416	0.418177	3.42E-21	0.231328	4.32E-07	0.24775	5.82E-08
0.81826	0.002594	0.95542	0.17957	9.54E-05	0.018725	0.6865	0.017118	0.71215
0.04188	0.0161	0.72858	0.139441	0.00253	-0.02016	0.66391	0.002107	0.96378
0.83192	-0.06309	0.17347	0.340142	4.11E-14	0.258835	1.38E-08	0.112052	0.01541
0.5908	-0.03794	0.41336	0.110031	0.01738	0.006978	0.88046	-0.06564	0.15672
0.22081	0.004518	0.92242	0.158902	0.00057	-0.00168	0.97114	-0.00054	0.99076
0.97181	-0.00054	0.99074	0.153673	0.00086	0.056002	0.22708	0.007652	0.86901
0.26751	-0.03329	0.4729	0.166162	0.00031	0.02452	0.59713	-0.04325	0.35102
0.00824	0.112402	0.01509	0.152517	0.00094	0.249699	4.54E-08	0.280479	6.86E-10
0.28916	-0.0387	0.40401	0.114502	0.01329	-0.06252	0.17743	-0.088	0.05739
0.18714	0.02422	0.60161	0.325428	5.56E-13	0.041897	0.36633	0.058476	0.20718
0.68077	0.015809	0.7333	0.253305	2.86E-08	0.12328	0.00765	0.125462	0.00663
0.00697	0.034601	0.45569	0.321944	1.01E-12	0.167275	0.00028	0.153282	0.00089
0.0041	0.037271	0.42165	0.017729	0.70236	-0.02478	0.59324	-0.04321	0.3515
0.42271	-0.0315	0.49715	0.189915	3.62E-05	-0.00972	0.83409	-0.06732	0.14635
0.11024	-0.03249	0.48371	0.228682	5.89E-07	0.072291	0.11874	-0.00438	0.92481
0.11519	-0.0686	0.13884	0.142974	0.00195	0.013743	0.76707	-0.06775	0.14377
0.21794	-0.05499	0.23559	0.245429	7.79E-08	0.053312	0.25022	-0.05214	0.26083
0.42197	-0.03576	0.44074	0.042083	0.3642	0.012057	0.79496	-0.05227	0.25963
0.46458	-0.00718	0.87709	0.067896	0.14292	-0.03721	0.42238	-0.04164	0.36932
0.54457	0.044467	0.33764	0.195104	2.18E-05	0.086174	0.06278	0.057857	0.21203
0.05692	-0.038	0.41264	0.187332	4.63E-05	0.018781	0.68562	-0.09247	0.0458
0.52653	0.005532	0.9051	0.215854	2.50E-06	0.074601	0.10739	0.016246	0.72621
0.00154	0.051225	0.26927	0.177048	0.00012	0.161601	0.00045	0.184932	5.81E-05
0.84261	-0.0118	0.79929	0.121227	0.00873	0.019553	0.67343	-0.03007	0.5169
0.75131	-0.0029	0.9501	0.134296	0.00364	0.054936	0.23606	0.015095	0.74491
3.49E-05	0.030654	0.50873	0.090343	0.05105	0.001174	0.97981	0.057893	0.21175
0.14336	0.050041	0.28051	0.144665	0.00172	-0.05394	0.24469	-0.00138	0.97623
0.87149	-0.01311	0.77744	0.274929	1.52E-09	0.01346	0.77173	-0.01765	0.70357
0.22499	-0.05682	0.22032	0.188064	4.32E-05	0.000952	0.98363	-0.06301	0.17401
0.40489	-0.00799	0.8632	-0.02905	0.53114	-0.21604	2.45E-06	-0.13538	0.00338
0.26001	-0.04617	0.31942	0.167485	0.00028	0.111499	0.01593	-0.01485	0.74888
0.71539	-0.03966	0.39244	0.188677	4.07E-05	-0.13019	0.00483	-0.09556	0.039
0.60054	0.039663	0.39246	0.242636	1.10E-07	0.005557	0.90467	0.024364	0.59945
0.03848	-0.05188	0.2632	0.26013	1.16E-08	0.013793	0.76625	-0.00423	0.9274
0.2253	-0.02883	0.53427	0.181594	7.93E-05	0.077871	0.09279	0.040653	0.38074

0.18734	-0.02829	0.542	0.256155	1.97E-08	-0.03198	0.4905	-0.01806	0.69714
0.65797	-0.01885	0.68446	0.161342	0.00046	-0.09218	0.04648	-0.10963	0.01779
0.79543	0.039889	0.38976	0.179967	9.20E-05	0.112651	0.01487	0.106415	0.02145
0.23143	-0.02495	0.59069	0.099474	0.03162	-0.03399	0.46371	-0.0658	0.15571
0.58313	0.039909	0.38953	0.191776	3.02E-05	0.01803	0.69755	0.00407	0.9301
0.54487	0.030286	0.51383	0.059275	0.20102	-0.01852	0.68982	0.035892	0.43904
0.48273	-0.0448	0.33403	0.192885	2.71E-05	-0.09451	0.0412	-0.10703	0.0207
0.315	-0.04036	0.38418	0.185762	5.37E-05	0.003241	0.9443	-0.05683	0.22023
0.46501	-0.02534	0.58488	0.170076	0.00022	-0.02378	0.6083	-0.07519	0.10463
0.43961	-0.03053	0.51049	0.200416	1.28E-05	-0.01231	0.7907	-0.05006	0.28031
0.49241	-0.03112	0.50237	0.130506	0.00473	0.003314	0.94306	-0.05017	0.27927
0.34566	-0.02586	0.57719	0.13669	0.00308	-0.00591	0.89867	-0.04748	0.30588
0.35001	-0.03852	0.40624	0.225475	8.52E-07	0.090275	0.05122	-0.00744	0.87253
0.5785	0.032222	0.48728	0.118746	0.01022	-0.00055	0.99056	0.043642	0.34669
0.74999	-0.02771	0.55032	0.055153	0.23421	-0.13909	0.00259	-0.10449	0.02394
0.02077	-0.14062	0.00232	0.22398	1.01E-06	-0.03328	0.47311	-0.08812	0.05705
0.93914	-0.10132	0.02857	0.177893	0.00011	-0.06903	0.13637	-0.16211	0.00044
0.99408	0.215552	2.59E-06	0.260839	1.06E-08	0.166996	0.00029	0.228842	5.78E-07
0.54939	0.038648	0.4047	0.20646	6.85E-06	0.185901	5.30E-05	0.205065	7.93E-06
0.37064	0.028373	0.54078	0.07548	0.1033	0.011199	0.80926	0.011365	0.8065
0.61123	-0.02125	0.64688	0.239455	1.63E-07	0.042447	0.36006	0.026292	0.57088
0.00021	-0.04016	0.38652	0.195489	2.10E-05	0.067818	0.14338	0.026675	0.56528
1.33E-07	0.15413	0.00083	0.193854	2.46E-05	0.193186	2.63E-05	0.216683	2.29E-06
0.2722	-0.01207	0.79468	0.086922	0.06053	-0.03883	0.40246	-0.06021	0.19397
0.70634	-0.08456	0.06789	0.051938	0.26266	0.023538	0.6119	-0.11215	0.01532
0.2876	0.102493	0.02677	0.322414	9.31E-13	0.333445	1.37E-13	0.330523	2.29E-13
0.00079	0.046353	0.31753	0.241815	1.22E-07	0.137875	0.00283	0.121505	0.00858
0.24697	-0.00711	0.87829	0.249394	4.72E-08	0.032531	0.48312	-0.02065	0.65628
0.12916	-0.00318	0.94541	0.207597	6.08E-06	0.111778	0.01566	0.045464	0.32691
0.00017	0.021125	0.64887	0.166948	0.00029	0.010854	0.81504	0.039657	0.39253
0.01022	0.042921	0.35472	0.226387	7.67E-07	-0.01358	0.76983	0.036987	0.4252
0.05757	0.210569	4.44E-06	0.214827	2.80E-06	0.212591	3.57E-06	0.306119	1.37E-11
0.42145	0.016929	0.7152	0.288453	2.12E-10	0.067145	0.1474	0.176514	0.00013
0.49035	-0.0059	0.89878	0.089139	0.05423	-0.03798	0.41283	-0.03401	0.46344
0.02489	0.011621	0.80223	0.116511	0.01175	-0.0284	0.54037	0.005344	0.90831
0.00049	0.026378	0.56963	0.25198	3.39E-08	0.013292	0.77451	-0.00424	0.92718
0.47648	0.137866	0.00283	0.430045	1.92E-22	0.218297	1.91E-06	0.367993	2.01E-16
0.84981	-0.10833	0.01919	0.048338	0.29723	-0.15976	0.00053	-0.18292	7.01E-05
2.68E-06	-0.01013	0.82724	0.250869	3.91E-08	0.067527	0.14511	0.01987	0.66845
0.013	0.039962	0.3889	0.180015	9.16E-05	0.060634	0.19088	0.055294	0.23302
0.00024	0.031039	0.50342	0.07781	0.09305	0.003178	0.94539	0.003396	0.94165
0.04213	-0.09387	0.04261	0.398988	2.85E-19	-0.02102	0.65045	-0.03678	0.42779
0.80261	0.001269	0.97819	0.072231	0.11905	0.068885	0.13717	0.050294	0.27809
0.55559	-0.0245	0.59743	0.178377	0.00011	0.173767	0.00016	0.141852	0.00212
0.4061	-0.03548	0.44429	0.195252	2.15E-05	0.010813	0.81572	-0.03579	0.44031

0.50675	0.012101	0.79424	0.119924	0.00949	0.025576	0.58142	0.011691	0.80106
0.15339	0.047641	0.30425	0.284353	3.90E-10	0.119965	0.00946	0.121475	0.00859
0.80579	-0.12029	0.00927	0.263091	7.82E-09	0.067198	0.14709	0.020458	0.65924
0.82595	0.005417	0.90707	0.195101	2.18E-05	-0.13393	0.00374	-0.09499	0.04019
0.40769	0.043926	0.34355	0.393464	9.65E-19	0.175876	0.00013	0.174126	0.00016
0.48524	-0.03308	0.47573	0.133394	0.00388	-0.03857	0.40567	-0.04155	0.37032
0.81844	0.035561	0.44328	0.185169	5.68E-05	0.009839	0.83206	0.03505	0.44986
0.125	-0.11838	0.01045	0.285688	3.20E-10	0.026931	0.56156	-0.0038	0.93473
0.36237	-0.03504	0.44995	0.047406	0.30665	0.022004	0.63529	-0.07267	0.1168
0.53574	0.020744	0.65479	0.146279	0.00153	0.037654	0.4169	0.020669	0.65594
0.03258	0.050825	0.27304	0.155811	0.00073	-0.00427	0.92671	0.025463	0.58309
0.42044	0.039505	0.39435	0.362687	5.78E-16	0.109609	0.01781	0.139763	0.00247
0.56502	-0.07144	0.12314	0.246185	7.08E-08	-0.07798	0.09234	-0.09112	0.04908
0.00169	0.052379	0.25862	0.164651	0.00035	0.049497	0.28578	0.055326	0.23275
0.11426	-0.06817	0.14128	0.171024	0.0002	-0.04058	0.38162	-0.04783	0.30232
0.05743	0.032976	0.47714	0.074422	0.10823	0.013698	0.76781	0.041413	0.37189
4.56E-07	0.035616	0.44257	0.221969	1.27E-06	0.046838	0.31248	0.061212	0.18667
0.83813	0.040314	0.38473	0.279491	7.92E-10	0.126886	0.00604	0.118196	0.01058
0.1078	0.056572	0.22237	0.158098	0.00061	0.012629	0.78546	0.066848	0.1492
0.33247	-0.01009	0.82791	0.433212	8.71E-23	0.112826	0.01471	0.040495	0.3826
0.72712	-0.00906	0.84514	0.138842	0.00264	-0.03626	0.43432	-0.02724	0.55705
0.50658	-0.05373	0.24651	0.070323	0.12914	-0.03452	0.45674	-0.07197	0.1204
0.12297	0.149802	0.00117	0.304182	1.87E-11	0.23956	1.61E-07	0.259626	1.25E-08
0.50499	-0.03339	0.47164	0.192605	2.78E-05	0.045144	0.33033	-0.0116	0.80251
2.33E-06	-0.03243	0.48444	0.383906	7.56E-18	0.255261	2.21E-08	0.166902	0.00029
0.65285	-0.00334	0.94259	0.181828	7.76E-05	0.074723	0.10681	0.016439	0.7231
0.80634	0.207941	5.86E-06	0.421403	1.58E-21	0.158166	0.0006	0.25296	2.99E-08
0.84464	-0.13149	0.00442	0.071572	0.12246	-0.23574	2.56E-07	-0.20177	1.11E-05
0.86112	0.016808	0.71715	0.159281	0.00055	0.051216	0.26936	0.024611	0.59576
1.99E-05	0.062782	0.1756	0.403012	1.15E-19	0.092035	0.04683	0.090826	0.04981
2.52E-06	0.146749	0.00147	0.159285	0.00055	0.128386	0.00546	0.211381	4.07E-06
0.76853	0.009027	0.84574	0.195628	2.07E-05	0.026452	0.56854	-0.00085	0.98542
0.2563	0.068673	0.13839	0.315011	3.23E-12	0.249839	4.46E-08	0.223031	1.13E-06
0.15043	0.121337	0.00867	0.104497	0.02393	-0.00621	0.89358	-0.00837	0.85683
0.76496	-0.00456	0.92172	0.170434	0.00022	-0.01492	0.7478	0.004924	0.91549
0.37196	-0.02806	0.54527	0.142328	0.00205	0.160478	0.0005	0.132266	0.00419
0.13528	0.080036	0.08404	0.172605	0.00018	0.088939	0.05478	0.123622	0.00748
0.53965	-0.04865	0.29411	0.512388	1.27E-32	0.570937	9.50E-42	0.436424	3.88E-23
0.20902	-0.07692	0.09687	0.177803	0.00011	-0.09035	0.05104	-0.08987	0.05228
0.07492	0.087717	0.0582	0.155192	0.00077	0.08702	0.06024	0.088005	0.05738
0.52471	-0.04303	0.3535	0.0844	0.06841	-0.04761	0.30454	-0.08333	0.07199
0.06855	-0.03947	0.39482	0.21391	3.10E-06	0.066832	0.14931	0.012775	0.78306
0.64748	0.071967	0.12041	0.163111	0.0004	-0.08074	0.08135	-0.02366	0.61004
0.89658	-0.00473	0.91873	0.197982	1.63E-05	0.009002	0.84616	0.020789	0.65409
0.16177	-0.01676	0.71797	0.2801	7.25E-10	0.111558	0.01587	0.083375	0.07185



0.00669	-0.03969	0.39215	0.143019	0.00195	-0.08634	0.06227	-0.10601	0.02195
0.38509	0.098627	0.0331	0.202953	9.86E-06	0.077218	0.09557	0.06407	0.16689
0.28885	0.056473	0.22319	0.188856	4.00E-05	0.059544	0.19898	-0.00139	0.9761
0.00881	0.048611	0.2945	0.12327	0.00765	-0.00689	0.88199	-0.00859	0.8532
0.04456	-0.02121	0.64757	0.031273	0.5002	-0.00816	0.86033	-0.07516	0.10475
0.0706	-0.00853	0.85414	0.223955	1.01E-06	0.009845	0.83196	0.108482	0.01903
0.46666	0.005237	0.91014	0.199941	1.34E-05	0.06091	0.18886	0.054086	0.2434
0.04123	-0.12304	0.00777	0.298129	4.85E-11	0.237421	2.09E-07	0.103811	0.02487
0.16527	-0.1237	0.00744	0.162909	0.00041	0.026635	0.56587	0.000452	0.99222
0.96953	-0.01567	0.7356	0.404808	7.67E-20	0.169939	0.00022	0.120998	0.00886
0.01607	-0.22596	8.06E-07	0.135188	0.00342	-0.1314	0.00445	-0.22671	7.40E-07
0.65989	0.160443	0.0005	0.166215	0.00031	-0.0074	0.87335	0.035896	0.439
0.98344	-0.09131	0.04859	0.169557	0.00023	-0.08316	0.07259	-0.07608	0.10058
0.15194	-0.02333	0.61498	0.311241	6.00E-12	0.119573	0.0097	0.097458	0.03525
0.01657	0.038296	0.40899	0.178389	0.00011	0.047999	0.30063	0.052398	0.25844
0.82083	0.033246	0.47355	0.19826	1.59E-05	0.083398	0.07177	0.107773	0.01983
0.37674	0.007022	0.87971	0.164039	0.00037	0.007367	0.87385	0.009092	0.84465
1.62E-37	0.010945	0.81352	-0.04067	0.38055	-0.10946	0.01797	-0.09429	0.04167
0.10165	-0.07294	0.11544	-0.33655	7.87E-14	-0.23833	1.87E-07	-0.33191	1.80E-13
1.63E-52	0.038456	0.40704	-0.00127	0.97823	-0.08218	0.07605	-0.04773	0.30334
3.44E-35	-0.0171	0.71245	-0.03278	0.47976	-0.13161	0.00439	-0.14739	0.0014
2.26E-17	0.042012	0.36501	-0.1298	0.00496	-0.13847	0.00271	-0.08669	0.06122
3.47E-46	0.009274	0.84157	-0.03087	0.50573	-0.11822	0.01056	-0.08642	0.06203
0.0741	-0.10515	0.02306	-0.17665	0.00012	-0.16482	0.00035	-0.23756	2.05E-07
1.84E-16	-0.10544	0.02268	-0.10229	0.02708	-0.17122	0.0002	-0.27093	2.67E-09
0.00074	-0.15576	0.00073	-0.1788	0.0001	-0.17537	0.00014	-0.33426	1.19E-13
1.22E-16	-0.04895	0.29117	-0.07996	0.08433	-0.17192	0.00019	-0.19402	2.42E-05
5.81E-36	0.015709	0.73492	-0.04675	0.31339	-0.12908	0.00521	-0.10842	0.0191
6.30E-30	-0.03321	0.474	-0.06012	0.19467	-0.16112	0.00047	-0.15717	0.00065
5.23E-19	-0.03499	0.45069	-0.03462	0.4554	-0.12275	0.00792	-0.13843	0.00272
5.42E-14	-0.0549	0.23633	-0.07458	0.10749	-0.15202	0.00098	-0.19669	1.86E-05
1.68E-22	-0.09062	0.05034	-0.156	0.00072	-0.2233	1.09E-06	-0.2842	3.98E-10
7.44E-09	-0.11137	0.01605	-0.17869	0.0001	-0.17057	0.00021	-0.28134	6.05E-10
0.00828	-0.13745	0.00292	-0.24751	6.00E-08	-0.23404	3.13E-07	-0.35937	1.11E-15
3.00E-10	-0.03845	0.40713	-0.07843	0.09045	-0.07634	0.0994	-0.14522	0.00165
6.80E-29	-0.0263	0.5708	-0.02604	0.57459	-0.09391	0.04252	-0.13745	0.00292
2.07E-10	-0.09633	0.03743	-0.0927	0.04527	-0.14041	0.00236	-0.24174	1.23E-07
0.00038	-0.14768	0.00137	-0.08557	0.06466	-0.20608	7.13E-06	-0.30658	1.28E-11
1.22E-51	0.054096	0.24332	0.01782	0.70091	-0.05289	0.25399	-0.0216	0.64149
6.86E-06	-0.10943	0.01801	-0.20059	1.26E-05	-0.23264	3.70E-07	-0.29168	1.31E-10
0.54814	-0.08423	0.06898	-0.07175	0.12151	-0.07474	0.10672	-0.12324	0.00767
2.60E-31	-0.02104	0.65015	-0.06769	0.14412	-0.20198	1.09E-05	-0.17353	0.00016
3.40E-29	0.016782	0.71756	0.009134	0.84393	-0.06272	0.17601	-0.06387	0.16825
2.67E-24	0.030816	0.50649	-0.14917	0.00122	-0.17401	0.00016	-0.1177	0.01091
1.58E-22	-0.04066	0.38068	-0.08769	0.05829	-0.21259	3.57E-06	-0.20453	8.37E-06

3.66E-28	-0.01476	0.75039	0.005944	0.89807	-0.09662	0.03687	-0.11969	0.00963
8.89E-38	-0.01248	0.78797	-0.06837	0.14017	-0.17178	0.00019	-0.15451	0.00081
2.05E-15	0.024201	0.60191	-0.05401	0.24402	-0.09952	0.03154	-0.12383	0.00738
1.87E-07	-0.15274	0.00093	-0.15501	0.00078	-0.19635	1.92E-05	-0.36378	4.66E-16
1.95E-24	-0.00611	0.89532	-0.07404	0.11006	-0.14232	0.00205	-0.14957	0.00119
1.86E-11	-0.03559	0.44291	-0.18721	4.68E-05	-0.17782	0.00011	-0.18636	5.08E-05
0.00268	-0.10746	0.0202	-0.20897	5.26E-06	-0.26233	8.67E-09	-0.35844	1.32E-15
1.09E-20	-0.00118	0.97965	-0.00652	0.88831	-0.07321	0.11411	-0.08457	0.06787
4.57E-21	-0.01455	0.75378	-0.06633	0.15239	-0.1743	0.00015	-0.18022	9.00E-05
2.47E-37	0.010652	0.81842	0.038817	0.40264	-0.09371	0.04296	-0.08254	0.07476
7.59E-48	0.007524	0.87118	-0.01563	0.73624	-0.10319	0.02575	-0.08093	0.08064
2.65E-61	0.028962	0.53241	-0.01001	0.82923	-0.11147	0.01596	-0.04276	0.35654
5.91E-44	-0.03842	0.40753	-0.0832	0.07244	-0.12524	0.00673	-0.16146	0.00046
1.27E-30	-0.06127	0.18627	-0.02739	0.5549	-0.1437	0.00185	-0.18961	3.72E-05
1.78E-42	0.077907	0.09264	0.073247	0.11393	0.023939	0.60584	0.059897	0.19633
9.24E-10	-0.0495	0.28579	-0.08716	0.05982	-0.1834	6.70E-05	-0.22896	5.70E-07
0.7107	-0.08339	0.0718	-0.15893	0.00057	-0.09922	0.03205	-0.1561	0.00071
2.14E-11	-0.03218	0.48791	-0.1069	0.02086	-0.10418	0.02436	-0.12189	0.00837
1.93E-39	0.076952	0.09672	0.013204	0.77596	-0.04123	0.37398	-0.00992	0.83063
3.02E-54	0.031332	0.4994	-0.00843	0.85584	-0.09915	0.03218	-0.06126	0.18633
1.73E-11	-0.07396	0.11047	-0.1905	3.42E-05	-0.26342	7.48E-09	-0.31469	3.40E-12
0.00723	-0.06987	0.13163	-0.10913	0.01832	-0.11138	0.01604	-0.20047	1.27E-05
2.65E-31	-0.00022	0.99614	-0.05437	0.24097	-0.07227	0.11885	-0.09348	0.04347
2.29E-36	0.062683	0.17628	-0.06824	0.14091	-0.12057	0.0091	-0.07265	0.11692
5.79E-07	0.00361	0.93799	-0.21821	1.93E-06	-0.16484	0.00035	-0.15815	0.0006
0.00515	-0.04081	0.37886	-0.21793	1.99E-06	-0.20067	1.25E-05	-0.20913	5.17E-06
0.14277	-0.22529	8.70E-07	-0.09996	0.03079	-0.33557	9.38E-14	-0.39361	9.35E-19
0.50432	-0.03759	0.41772	-0.13133	0.00447	-0.24753	5.98E-08	-0.14282	0.00198
0.00097	-0.10766	0.01996	-0.13966	0.00249	-0.24609	7.17E-08	-0.31247	4.91E-12
0.00176	0.122986	0.0078	0.060871	0.18914	0.336936	7.34E-14	0.331369	1.98E-13
0.32087	-0.10876	0.01872	-0.32542	5.57E-13	-0.25832	1.48E-08	-0.27037	2.88E-09
0.00719	-0.10374	0.02497	-0.20539	7.66E-06	-0.23946	1.63E-07	-0.24973	4.52E-08
0.00343	-0.06509	0.16025	-0.08882	0.05511	-0.25514	2.25E-08	-0.23632	2.38E-07
3.87E-08	-0.00794	0.86407	-0.12787	0.00565	-0.17293	0.00017	-0.11724	0.01123
0.12843	-0.12232	0.00814	-0.2889	1.98E-10	-0.4485	1.72E-24	-0.37251	8.07E-17
0.74126	-0.05419	0.24247	-0.07789	0.09271	-0.25034	4.18E-08	-0.15567	0.00074
0.33365	-0.11195	0.01551	-0.14632	0.00152	-0.11961	0.00968	-0.17303	0.00017
0.02249	0.02871	0.53598	-0.02277	0.62353	-0.14128	0.00221	-0.01313	0.77718
0.16336	0.23096	4.51E-07	-0.02729	0.55638	0.341577	3.17E-14	0.355246	2.45E-15
0.48625	-0.12714	0.00593	-0.43145	1.35E-22	-0.35398	3.13E-15	-0.3363	8.23E-14
0.1542	-0.0587	0.20542	-0.22962	5.28E-07	-0.29425	8.82E-11	-0.2335	3.34E-07
3.49E-09	-0.16916	0.00024	-0.19225	2.88E-05	-0.3539	3.17E-15	-0.36204	6.56E-16
0.08732	-0.0961	0.0379	-0.22442	9.61E-07	-0.24013	1.50E-07	-0.23884	1.76E-07
0.02391	0.02172	0.63966	-0.11521	0.01272	-0.21513	2.71E-06	-0.07704	0.09634
0.97011	0.191812	3.01E-05	-0.03851	0.40636	0.212891	3.46E-06	0.219091	1.75E-06

0.01177	-0.02802	0.54581	-0.11813	0.01062	-0.25038	4.16E-08	-0.25299	2.97E-08
8.74E-05	-0.1605	0.0005	-0.12504	0.00682	-0.42956	2.16E-22	-0.40963	2.54E-20
0.62105	-0.12883	0.0053	-0.07791	0.09264	-0.16336	0.00039	-0.24277	1.09E-07
2.43E-06	-0.08569	0.06429	-0.21857	1.86E-06	-0.33042	2.33E-13	-0.2753	1.44E-09
0.66541	0.005675	0.90265	-0.06121	0.18668	-0.15179	0.001	-0.05581	0.22867
0.01464	-0.18368	6.53E-05	-0.14209	0.00208	-0.33163	1.89E-13	-0.37845	2.38E-17
8.22E-05	-0.18901	3.94E-05	-0.16189	0.00044	-0.46233	4.14E-26	-0.43137	1.38E-22
2.75E-12	-0.10115	0.02884	-0.13851	0.0027	-0.3659	3.06E-16	-0.30223	2.55E-11
0.62387	0.14402	0.00181	-0.12774	0.0057	-0.14378	0.00184	-0.01168	0.80128
0.2572	0.051851	0.26346	-0.00553	0.90518	0.200787	1.23E-05	0.280004	7.35E-10
0.13798	-0.19778	1.67E-05	-0.31049	6.79E-12	-0.44175	9.98E-24	-0.48092	2.11E-28
0.00899	-0.14053	0.00234	0.079046	0.08795	-0.21262	3.56E-06	-0.24589	7.35E-08
0.15927	-0.14253	0.00202	0.067093	0.14772	-0.17416	0.00016	-0.1359	0.00325
0.00458	-0.05268	0.25591	-0.14502	0.00168	-0.30567	1.48E-11	-0.24049	1.44E-07
3.97E-09	-0.10554	0.02255	0.027372	0.55517	-0.13705	0.003	-0.15867	0.00058
0.07999	-0.29058	1.54E-10	-0.31387	3.90E-12	-0.58906	5.82E-45	-0.67215	1.11E-62
1.24E-24	-0.17661	0.00012	-0.17924	9.83E-05	-0.2854	3.34E-10	-0.36662	2.65E-16
0.55497	-0.11793	0.01075	-0.17731	0.00012	-0.27479	1.55E-09	-0.2478	5.78E-08
4.65E-13	-0.11923	0.00991	-0.11941	0.0098	-0.40365	9.97E-20	-0.33164	1.88E-13
4.82E-06	-0.03356	0.46931	-0.11271	0.01481	-0.3348	1.08E-13	-0.23477	2.87E-07
8.87E-34	-0.01163	0.80215	-0.06198	0.18121	-0.28654	2.82E-10	-0.16301	0.0004
0.11271	-0.11474	0.0131	-0.05698	0.21904	-0.28893	1.98E-10	-0.24182	1.22E-07
1.09E-06	-0.09909	0.03228	-0.26158	9.59E-09	-0.26495	6.08E-09	-0.299	4.23E-11
1.62E-06	-0.1288	0.00531	-0.19081	3.32E-05	-0.32099	1.19E-12	-0.36364	4.79E-16
0.75743	-0.18389	6.40E-05	0.058249	0.20895	-0.138	0.0028	-0.21242	3.64E-06
2.47E-07	-0.24436	8.90E-08	-0.39218	1.28E-18	-0.34905	7.94E-15	-0.43219	1.12E-22
0.90217	-0.04497	0.33225	-0.3624	6.11E-16	-0.3419	2.99E-14	-0.281	6.37E-10
0.32648	-0.18952	3.75E-05	-0.26081	1.06E-08	-0.49198	7.76E-30	-0.47634	7.98E-28
0.31738	-0.18215	7.53E-05	-0.2841	4.04E-10	-0.51532	4.89E-33	-0.51656	3.25E-33
0.00098	-0.29645	6.29E-11	-0.25765	1.62E-08	-0.53251	1.47E-35	-0.64269	9.08E-56
0.002	-0.20116	1.19E-05	-0.22685	7.27E-07	-0.31188	5.41E-12	-0.41606	5.64E-21
8.35E-14	-0.01343	0.77227	0.089072	0.05441	-0.17313	0.00017	-0.02689	0.56213
4.13E-13	-0.23376	3.24E-07	-0.31918	1.61E-12	-0.43531	5.14E-23	-0.51672	3.08E-33
0.00198	0.204689	8.24E-06	0.091786	0.04744	0.212691	3.53E-06	0.308454	9.44E-12
0.00031	-0.11465	0.01317	-0.11958	0.00969	-0.36412	4.35E-16	-0.30176	2.75E-11
0.15809	-0.26857	3.70E-09	-0.3044	1.81E-11	-0.57381	3.03E-42	-0.62346	1.19E-51
5.63E-05	-0.18267	7.17E-05	-0.18047	8.79E-05	-0.45814	1.31E-25	-0.42205	1.35E-21
0.53539	-0.03262	0.48186	-0.29311	1.05E-10	-0.41964	2.41E-21	-0.34393	2.06E-14
0.00906	-0.21768	2.05E-06	-0.37936	1.97E-17	-0.39949	2.54E-19	-0.48056	2.34E-28
1.05E-07	-0.12407	0.00727	-0.07929	0.08698	-0.3563	2.00E-15	-0.28155	5.88E-10
1.35E-06	-0.13288	0.00402	-0.06088	0.1891	-0.30738	1.12E-11	-0.27566	1.37E-09
6.91E-35	-0.0562	0.22541	-0.02226	0.63141	-0.27216	2.25E-09	-0.18866	4.08E-05
0.57966	-0.20942	5.02E-06	-0.25151	3.60E-08	-0.41924	2.65E-21	-0.47864	4.10E-28
3.19E-08	-0.05976	0.19733	-0.06809	0.14179	-0.36504	3.63E-16	-0.27241	2.17E-09
0.0005	-0.20057	1.26E-05	-0.18383	6.44E-05	-0.50506	1.34E-31	-0.47866	4.07E-28

0.00746	-0.22224	1.23E-06	-0.15193	0.00099	-0.49987	6.86E-31	-0.47094	3.74E-27
0.19816	-0.08181	0.07736	-0.02895	0.53256	-0.25956	1.26E-08	-0.23137	4.30E-07
3.28E-09	-0.20121	1.18E-05	-0.18854	4.13E-05	-0.40544	6.64E-20	-0.37865	2.28E-17
0.29943	-0.20603	7.17E-06	-0.1778	0.00011	-0.40333	1.07E-19	-0.33722	6.98E-14
3.91E-07	-0.24049	1.44E-07	-0.24742	6.06E-08	-0.43476	5.91E-23	-0.48852	2.21E-29
8.95E-08	-0.14441	0.00175	-0.01742	0.70732	-0.31282	4.63E-12	-0.29853	4.55E-11
0.13313	-0.01975	0.67025	-0.27264	2.10E-09	-0.36846	1.83E-16	-0.28914	1.91E-10
3.21E-05	-0.27355	1.85E-09	-0.31675	2.42E-12	-0.54589	1.27E-37	-0.6163	3.43E-50
0.30106	0.010548	0.82016	-0.02453	0.597	0.173158	0.00017	0.12653	0.00618
0.52035	-0.17222	0.00018	-0.27636	1.24E-09	-0.46179	4.81E-26	-0.46591	1.54E-26
0.03057	-0.1197	0.00962	-0.1563	0.0007	-0.28052	6.83E-10	-0.25199	3.38E-08
1.52E-12	0.039377	0.39588	0.127112	0.00595	-0.06812	0.1416	0.091821	0.04735
0.46509	-0.0346	0.45571	-0.22057	1.49E-06	-0.31255	4.85E-12	-0.23555	2.62E-07
0.00159	-0.06945	0.13395	-0.27546	1.41E-09	-0.28965	1.77E-10	-0.27117	2.58E-09
0.53671	0.007693	0.8683	-0.27331	1.91E-09	-0.27239	2.17E-09	-0.15544	0.00075
5.25E-13	-0.06759	0.14475	-0.02966	0.52262	-0.32265	8.95E-13	-0.2202	1.55E-06
0.21684	0.103526	0.02527	0.049434	0.2864	0.235673	2.58E-07	0.214599	2.87E-06
0.1202	-0.12327	0.00766	-0.23359	3.31E-07	-0.26192	9.17E-09	-0.26811	3.95E-09
0.26202	-0.02456	0.59656	-0.27865	8.93E-10	-0.3262	4.86E-13	-0.22371	1.04E-06
6.70E-06	-0.04731	0.30761	0.114845	0.01301	-0.19549	2.10E-05	-0.0798	0.08496
3.57E-13	-0.03137	0.49882	-0.16936	0.00024	-0.30479	1.70E-11	-0.18275	7.12E-05
0.2411	0.000544	0.99064	-0.03192	0.49138	-0.08373	0.07065	-0.01503	0.74605
0.52916	-0.01889	0.68387	-0.13198	0.00428	-0.31423	3.68E-12	-0.18707	4.75E-05
0.00011	-0.18449	6.05E-05	0.109169	0.01828	-0.20422	8.65E-06	-0.21652	2.33E-06
0.18843	0.048646	0.29416	0.253727	2.70E-08	0.229415	5.40E-07	0.171219	0.0002
0.26271	-0.22149	1.34E-06	-0.12965	0.00501	-0.26883	3.57E-09	-0.3117	5.57E-12
2.34E-11	-0.14253	0.00202	-0.08952	0.05322	-0.40751	4.13E-20	-0.36882	1.70E-16
0.71513	0.096293	0.03751	-0.13451	0.00359	-0.22246	1.20E-06	-0.11447	0.01332
0.27043	-0.10245	0.02684	-0.09976	0.03113	-0.35734	1.64E-15	-0.33243	1.64E-13
2.02E-13	0.101683	0.02801	0.044004	0.3427	-0.19547	2.10E-05	0.00901	0.84603
0.02425	-0.09121	0.04885	-0.10266	0.02652	-0.27931	8.13E-10	-0.27275	2.07E-09
0.00069	0.070118	0.13026	-0.02806	0.54525	-0.10887	0.0186	0.014041	0.76217
6.63E-20	-0.02993	0.5188	-0.11831	0.0105	-0.29134	1.37E-10	-0.18223	7.47E-05
2.36E-26	-0.05117	0.26983	-0.11819	0.01058	-0.2972	5.60E-11	-0.20618	7.06E-06
0.38563	-0.05998	0.19569	-0.17718	0.00012	-0.2825	5.11E-10	-0.20425	8.62E-06
0.18	-0.03196	0.49089	-0.21081	4.33E-06	-0.32036	1.32E-12	-0.18292	7.01E-05
0.20864	-0.22262	1.18E-06	-0.19587	2.02E-05	-0.49416	3.99E-30	-0.51051	2.34E-32
0.05582	-0.28324	4.59E-10	-0.28213	5.40E-10	-0.60815	1.42E-48	-0.64021	3.21E-55
0.57097	-0.29396	9.22E-11	-0.2657	5.49E-09	-0.57724	7.62E-43	-0.62861	1.00E-52
0.96578	-0.17684	0.00012	-0.28794	2.29E-10	-0.44938	1.36E-24	-0.46805	8.44E-27
4.99E-09	-0.03339	0.47158	-0.05628	0.22477	-0.22659	7.50E-07	-0.1483	0.00131
0.57077	-0.18545	5.53E-05	-0.22831	6.14E-07	-0.49926	8.29E-31	-0.50597	1.00E-31
1.28E-06	-0.18394	6.38E-05	-0.30278	2.34E-11	-0.43819	2.48E-23	-0.43023	1.83E-22
0.26744	-0.16989	0.00023	-0.11903	0.01004	-0.35004	6.60E-15	-0.29479	8.12E-11
0.01421	-0.09665	0.03681	-0.19191	2.98E-05	-0.3266	4.54E-13	-0.28719	2.56E-10

0.35399	0.070143	0.13012	0.144463	0.00175	0.321556	1.08E-12	0.264979	6.06E-09
5.88E-15	0.001046	0.98202	0.173296	0.00017	0.246942	6.44E-08	0.269707	3.16E-09
0.00296	-0.20604	7.16E-06	-0.18399	6.34E-05	-0.32487	6.12E-13	-0.35283	3.89E-15
0.00358	-0.32434	6.70E-13	-0.3483	9.14E-15	-0.6124	2.07E-49	-0.70587	1.21E-71
0.06381	-0.07409	0.10981	-0.18361	6.57E-05	-0.49408	4.10E-30	-0.45106	8.74E-25
0.51559	-0.20809	5.77E-06	-0.32322	8.11E-13	-0.52358	3.13E-34	-0.52567	1.54E-34
0.21615	-0.25974	1.23E-08	-0.21596	2.48E-06	-0.52411	2.62E-34	-0.58365	5.56E-44
0.23547	-0.23991	1.54E-07	-0.22986	5.13E-07	-0.51072	2.19E-32	-0.56672	4.97E-41
0.00062	-0.10916	0.01828	-0.14688	0.00146	-0.36802	2.00E-16	-0.27487	1.53E-09
0.00721	-0.18804	4.33E-05	-0.20993	4.75E-06	-0.47579	9.33E-28	-0.47162	3.08E-27
0.01431	-0.2229	1.14E-06	-0.30841	9.52E-12	-0.51479	5.81E-33	-0.55992	6.84E-40
0.07054	-0.15072	0.00109	-0.12459	0.00703	-0.41922	2.67E-21	-0.37114	1.07E-16
0.11977	-0.22326	1.10E-06	-0.30546	1.53E-11	-0.56154	3.68E-40	-0.56551	7.98E-41
0.39963	-0.19063	3.38E-05	0.007391	0.87344	-0.21198	3.81E-06	-0.2447	8.53E-08
0.17333	-0.25465	2.40E-08	-0.25051	4.09E-08	-0.54542	1.50E-37	-0.57608	1.22E-42
0.04682	-0.13921	0.00257	0.168733	0.00025	-0.05563	0.23022	-0.05486	0.23669
0.14171	-0.23626	2.40E-07	-0.27368	1.81E-09	-0.50319	2.42E-31	-0.5134	9.17E-33
0.17172	-0.17273	0.00018	-0.21413	3.02E-06	-0.42194	1.39E-21	-0.46896	6.54E-27
0.11934	-0.02083	0.65348	-0.05072	0.27402	-0.25878	1.39E-08	-0.1265	0.00619
0.97349	-0.10911	0.01835	-0.32035	1.32E-12	-0.31625	2.63E-12	-0.29688	5.89E-11
0.88119	-0.09802	0.0342	-0.24954	4.63E-08	-0.26485	6.16E-09	-0.26361	7.30E-09
0.57716	-0.20181	1.11E-05	-0.23717	2.15E-07	-0.46981	5.15E-27	-0.49165	8.58E-30
0.03438	-0.23514	2.75E-07	-0.03203	0.48984	-0.11183	0.01561	-0.18399	6.34E-05
2.52E-07	-0.29079	1.49E-10	-0.30312	2.22E-11	-0.52109	7.22E-34	-0.64139	1.77E-55
0.01025	0.009721	0.83405	0.023605	0.61088	-0.15413	0.00083	-0.08446	0.0682
0.58354	-0.21275	3.51E-06	-0.2747	1.57E-09	-0.51565	4.38E-33	-0.51845	1.74E-33
2.58E-11	-0.12153	0.00856	-0.09392	0.04248	-0.38559	5.29E-18	-0.32136	1.11E-12
1.41E-05	-0.19359	2.53E-05	-0.15306	0.00091	-0.48325	1.06E-28	-0.44988	1.19E-24
0.24126	-0.15865	0.00058	-0.18074	8.57E-05	-0.41055	2.05E-20	-0.37335	6.80E-17
3.86E-13	-0.05816	0.20962	-0.12885	0.00529	-0.37484	5.02E-17	-0.29295	1.08E-10
1.08E-06	-0.16684	0.00029	-0.11454	0.01326	-0.37205	8.87E-17	-0.34182	3.03E-14
1.20E-06	-0.08589	0.06367	-0.16489	0.00035	-0.36059	8.72E-16	-0.29162	1.32E-10
0.2056	-0.19735	1.74E-05	-0.16473	0.00035	-0.40669	4.99E-20	-0.46126	5.57E-26
0.22185	-0.15821	0.0006	-0.10989	0.01752	-0.43355	8.01E-23	-0.40506	7.25E-20
2.06E-18	0.06219	0.17972	0.055646	0.23005	-0.08772	0.0582	0.044183	0.34074
0.1963	-0.23494	2.81E-07	-0.22084	1.44E-06	-0.4747	1.28E-27	-0.51263	1.18E-32
0.00281	-0.26398	6.93E-09	-0.22865	5.91E-07	-0.29431	8.74E-11	-0.34342	2.26E-14
0.19496	-0.26513	5.93E-09	-0.23958	1.61E-07	-0.50339	2.27E-31	-0.55709	2.00E-39
2.86E-06	-0.02754	0.55273	-0.17011	0.00022	-0.3677	2.13E-16	-0.2287	5.87E-07
0.00429	-0.10422	0.02431	-0.18356	6.61E-05	-0.36473	3.86E-16	-0.29627	6.46E-11
0.34739	0.039671	0.39236	-0.09706	0.03602	-0.2295	5.35E-07	-0.06651	0.15131
0.06624	-0.03105	0.50332	-0.09013	0.0516	-0.21227	3.70E-06	-0.15207	0.00098
0.89179	0.087698	0.05826	0.3493	7.58E-15	0.301306	2.95E-11	0.27012	2.99E-09
1.26E-05	-0.12452	0.00706	-0.16289	0.00041	-0.31697	2.33E-12	-0.29234	1.18E-10
0.01535	-0.24027	1.48E-07	-0.16692	0.00029	-0.45562	2.58E-25	-0.51632	3.52E-33

0.0089	-0.13866	0.00267	-0.28911	1.92E-10	-0.44077	1.28E-23	-0.41898	2.82E-21
0.00276	-0.10539	0.02275	-0.15002	0.00115	-0.45954	8.91E-26	-0.36658	2.67E-16
0.31784	-0.10571	0.02233	-0.27881	8.73E-10	-0.42698	4.07E-22	-0.39306	1.05E-18
0.26358	-0.05802	0.21072	-0.10577	0.02225	-0.14136	0.0022	-0.04886	0.29199
0.48215	-0.04301	0.35376	-0.01814	0.69585	-0.21558	2.58E-06	-0.15695	0.00066
0.07047	-0.00995	0.83014	-0.06663	0.15055	-0.17189	0.00019	-0.07752	0.09427
0.29088	-0.0168	0.71729	-0.04648	0.3162	-0.21879	1.81E-06	-0.13611	0.00321
0.00035	0.202893	9.92E-06	0.076971	0.09664	0.26442	6.54E-09	0.338181	5.87E-14
0.02318	-0.16608	0.00031	-0.13392	0.00374	-0.4083	3.45E-20	-0.4034	1.06E-19
0.00035	-0.12451	0.00706	-0.08118	0.07968	-0.3883	2.96E-18	-0.30233	2.51E-11
0.00052	-0.13274	0.00406	-0.11389	0.01379	-0.42219	1.31E-21	-0.35606	2.10E-15
0.02079	0.033639	0.46832	0.022113	0.63361	-0.29633	6.40E-11	-0.14405	0.0018
0.05679	-0.13578	0.00328	-0.23926	1.67E-07	-0.39661	4.83E-19	-0.34219	2.83E-14
0.03412	-0.34194	2.96E-14	-0.32	1.40E-12	-0.57674	9.34E-43	-0.66555	4.59E-61
0.57052	-0.02852	0.53872	-0.26098	1.04E-08	-0.34884	8.26E-15	-0.29736	5.47E-11
1.41E-11	-0.16492	0.00034	-0.10256	0.02668	-0.179	0.0001	-0.26868	3.65E-09
0.57317	-0.17137	0.0002	-0.1388	0.00265	-0.28092	6.43E-10	-0.38828	2.98E-18
0.00964	-0.19916	1.45E-05	-0.22458	9.44E-07	-0.32355	7.67E-13	-0.40179	1.52E-19
0.00028	-0.10337	0.02549	-0.03115	0.50185	-0.32843	3.31E-13	-0.28407	4.07E-10
0.02013	0.060683	0.19052	-0.0166	0.72045	0.203931	8.91E-06	0.196101	1.97E-05
0.00039	-0.11392	0.01377	-0.10184	0.02776	-0.25239	3.22E-08	-0.3091	8.50E-12
0.00031	-0.07745	0.09459	-0.23241	3.80E-07	-0.28346	4.44E-10	-0.25619	1.96E-08
0.0064	-0.13216	0.00422	-0.08695	0.06044	-0.2497	4.54E-08	-0.30258	2.42E-11
0.01572	-0.1318	0.00433	-0.04049	0.38264	-0.14798	0.00134	-0.16963	0.00023
0.00873	-0.16574	0.00032	-0.12347	0.00756	-0.34975	6.97E-15	-0.32273	8.83E-13
0.34502	-0.08729	0.05943	-0.04122	0.37415	-0.11662	0.01167	-0.15429	0.00082
0.03874	-0.03088	0.50564	-0.37959	1.87E-17	-0.27021	2.95E-09	-0.25291	3.01E-08
0.27373	-0.24002	1.52E-07	-0.22601	8.01E-07	-0.47184	2.90E-27	-0.46481	2.09E-26
0.00016	-0.02717	0.55805	-0.2108	4.33E-06	-0.30941	8.08E-12	-0.26837	3.81E-09
0.64286	0.318245	1.88E-12	0.174771	0.00015	0.384393	6.82E-18	0.516797	3.01E-33
0.00665	-0.07139	0.12342	-0.19633	1.93E-05	-0.35543	2.37E-15	-0.23585	2.52E-07
0.65695	0.056998	0.21891	-0.06678	0.14965	-0.17992	9.24E-05	-0.08336	0.0719
0.56154	-0.07177	0.12142	-0.21658	2.31E-06	-0.31804	1.95E-12	-0.285	3.54E-10
0.05295	-0.16813	0.00026	-0.1391	0.00259	-0.34806	9.56E-15	-0.37258	7.96E-17
0.02988	-0.0821	0.07631	0.036704	0.42876	-0.03478	0.45341	0.073506	0.11265
0.59219	0.037357	0.42059	0.07671	0.09778	-0.01025	0.82516	0.082387	0.0753
0.03235	-0.01269	0.78454	-0.18897	3.96E-05	-0.23417	3.08E-07	-0.16035	0.0005
0.20021	0.118055	0.01067	0.137748	0.00285	0.415634	6.24E-21	0.404493	8.24E-20
4.51E-05	0.053163	0.25155	0.176052	0.00013	0.222061	1.26E-06	0.192695	2.76E-05
0.01383	0.155301	0.00076	0.132257	0.0042	0.301636	2.80E-11	0.265935	5.32E-09
0.01842	-0.15211	0.00098	-0.23427	3.05E-07	-0.43265	1.00E-22	-0.39693	4.50E-19
2.33E-22	-0.08649	0.06181	-0.06571	0.15629	-0.14188	0.00212	-0.12902	0.00523
0.02797	-0.22578	8.23E-07	-0.25775	1.60E-08	-0.40026	2.14E-19	-0.47458	1.32E-27
0.00058	-0.08501	0.06643	-0.16887	0.00025	-0.31361	4.07E-12	-0.24348	9.94E-08
0.25065	-0.02337	0.61447	-0.0887	0.05542	-0.24955	4.63E-08	-0.1554	0.00075

8.61E-11	-0.15901	0.00056	0.185974	5.27E-05	-0.15359	0.00087	-0.10376	0.02494
3.03E-07	-0.11926	0.00989	-0.14172	0.00214	-0.22645	7.62E-07	-0.22446	9.57E-07
0.83384	-0.04671	0.3138	-0.00978	0.833	-0.24236	1.14E-07	-0.152	0.00098
0.60397	-0.14683	0.00146	-0.16906	0.00024	-0.33417	1.20E-13	-0.29369	9.61E-11
1.55E-06	-0.13161	0.00439	-0.14955	0.00119	-0.37737	2.98E-17	-0.3022	2.56E-11
0.43194	-0.16429	0.00036	-0.18431	6.16E-05	-0.36752	2.21E-16	-0.38302	9.12E-18
0.03922	-0.02353	0.61203	-0.14689	0.00146	-0.1997	1.37E-05	-0.11615	0.01201
5.47E-08	-0.14015	0.0024	-0.1797	9.43E-05	-0.45372	4.30E-25	-0.38751	3.51E-18
0.00096	-0.16629	0.00031	-0.1617	0.00045	-0.44335	6.60E-24	-0.4026	1.27E-19
0.76665	0.005426	0.90691	-0.0799	0.08456	-0.20498	7.99E-06	-0.09318	0.04415
0.15383	-0.00421	0.92768	-0.25382	2.67E-08	-0.28145	5.96E-10	-0.20485	8.11E-06
0.07817	-0.08403	0.06963	-0.32023	1.35E-12	-0.39826	3.35E-19	-0.40112	1.77E-19
3.01E-08	-0.09309	0.04435	-0.17187	0.00019	-0.42614	5.01E-22	-0.44411	5.42E-24
0.34817	-0.1789	0.0001	-0.02246	0.62824	-0.33999	4.23E-14	-0.28744	2.47E-10
0.2867	0.127401	0.00583	0.059463	0.1996	0.275286	1.45E-09	0.304631	1.74E-11
1.39E-08	-0.14981	0.00117	-0.1558	0.00073	-0.35537	2.39E-15	-0.37891	2.16E-17
6.66E-09	-0.14899	0.00124	-0.05141	0.26755	-0.39384	8.89E-19	-0.34116	3.42E-14
0.11426	-0.21329	3.31E-06	-0.20655	6.79E-06	-0.50232	3.18E-31	-0.48683	3.66E-29
1.45E-13	-0.11337	0.01423	-0.13056	0.00471	-0.39001	2.05E-18	-0.32386	7.27E-13
0.53545	-0.23279	3.63E-07	-0.2495	4.66E-08	-0.35509	2.52E-15	-0.38777	3.32E-18
0.0483	0.014252	0.7587	-0.31614	2.68E-12	-0.1868	4.87E-05	-0.08558	0.06463
0.59961	-0.03699	0.42517	0.019827	0.66912	-0.25127	3.71E-08	-0.1347	0.00354
8.42E-15	-0.19973	1.37E-05	-0.27102	2.63E-09	-0.31188	5.41E-12	-0.4504	1.04E-24
0.63744	-0.16289	0.00041	-0.01794	0.69897	-0.30191	2.68E-11	-0.31541	3.02E-12
1.41E-05	-0.00617	0.89428	0.009355	0.84021	-0.29955	3.88E-11	-0.17616	0.00013
0.0097	-0.17172	0.00019	-0.07756	0.09411	-0.35212	4.45E-15	-0.37706	3.17E-17
0.00335	-0.06511	0.16007	-0.14096	0.00226	-0.31235	5.01E-12	-0.27701	1.13E-09
0.0709	0.048141	0.2992	-0.09903	0.03239	-0.17269	0.00018	-0.08752	0.05877
0.02525	-0.1661	0.00031	-0.20575	7.38E-06	-0.39696	4.47E-19	-0.3785	2.35E-17
2.23E-08	-0.09995	0.0308	-0.2164	2.36E-06	-0.27421	1.68E-09	-0.28204	5.47E-10
1.28E-06	0.06732	0.14635	-0.04843	0.29632	-0.2301	4.99E-07	-0.01466	0.75205
0.02506	-0.12633	0.00627	-0.18515	5.69E-05	-0.38413	7.22E-18	-0.30004	3.60E-11
0.14185	-0.08438	0.06848	-0.27415	1.70E-09	-0.38396	7.48E-18	-0.31505	3.21E-12
0.00035	-0.1008	0.0294	-0.09064	0.05029	-0.24974	4.52E-08	-0.20319	9.62E-06
0.03753	-0.19926	1.44E-05	-0.15054	0.0011	-0.42137	1.59E-21	-0.41951	2.49E-21
3.07E-05	-0.241	1.35E-07	-0.29376	9.51E-11	-0.47071	3.98E-27	-0.53974	1.16E-36
0.11986	0.066433	0.15176	-0.21912	1.75E-06	-0.22716	7.02E-07	-0.11686	0.0115
0.05153	-0.13762	0.00288	-0.3146	3.45E-12	-0.50647	8.54E-32	-0.50653	8.38E-32
0.6076	-0.17571	0.00014	-0.23775	2.01E-07	-0.47595	8.93E-28	-0.47663	7.33E-28
2.29E-07	-0.22124	1.38E-06	-0.06526	0.1591	-0.33535	9.75E-14	-0.30745	1.11E-11
0.00268	-0.13982	0.00246	-0.10604	0.02191	-0.3296	2.69E-13	-0.32798	3.57E-13
0.02751	-0.19403	2.42E-05	-0.16819	0.00026	-0.42694	4.12E-22	-0.39759	3.89E-19
3.46E-05	-0.16535	0.00033	-0.32415	6.92E-13	-0.36252	5.97E-16	-0.43257	1.02E-22
4.67E-06	-0.20494	8.03E-06	-0.16318	0.0004	-0.4241	8.23E-22	-0.40851	3.28E-20
0.0089	-0.00818	0.86007	-0.16215	0.00043	-0.23904	1.72E-07	-0.21375	3.15E-06

0.00605	-0.2197	1.64E-06	-0.23417	3.08E-07	-0.43631	3.99E-23	-0.4952	2.90E-30
0.53953	-0.11539	0.01259	-0.25636	1.92E-08	-0.30727	1.14E-11	-0.29023	1.62E-10
0.14436	-0.13621	0.00318	-0.01861	0.68838	-0.27726	1.09E-09	-0.24402	9.29E-08
0.00197	-0.09152	0.04808	-0.12744	0.00582	-0.294	9.16E-11	-0.22678	7.34E-07
0.24149	-0.07751	0.0943	-0.02181	0.63829	-0.30485	1.68E-11	-0.22054	1.49E-06
0.83095	-0.16491	0.00035	-0.25154	3.59E-08	-0.4587	1.12E-25	-0.43827	2.43E-23
0.00125	-0.19908	1.46E-05	-0.1231	0.00774	-0.13734	0.00294	-0.21991	1.60E-06
0.93237	0.194426	2.33E-05	-0.0863	0.0624	0.170778	0.00021	0.295161	7.67E-11
4.24E-13	-0.17064	0.00021	-0.12915	0.00519	-0.3934	9.78E-19	-0.36746	2.24E-16
8.28E-20	-0.15597	0.00072	-0.26821	3.89E-09	-0.38901	2.54E-18	-0.39634	5.13E-19
8.18E-06	-0.13195	0.00429	-0.19691	1.82E-05	-0.45004	1.15E-24	-0.39484	7.13E-19
0.00024	-0.18844	4.16E-05	-0.21683	2.25E-06	-0.31934	1.57E-12	-0.33853	5.51E-14
1.89E-06	-0.13854	0.0027	-0.11046	0.01694	-0.38839	2.90E-18	-0.34908	7.89E-15
0.12727	-0.11864	0.01029	-0.02552	0.58226	-0.25295	2.99E-08	-0.27197	2.31E-09
0.38526	-0.17947	9.63E-05	-0.23987	1.55E-07	-0.4807	2.24E-28	-0.45969	8.56E-26
0.73515	0.196906	1.82E-05	0.103951	0.02467	0.476999	6.59E-28	0.532044	1.73E-35
0.055	-0.11122	0.01619	-0.0528	0.25476	-0.22268	1.17E-06	-0.1794	9.69E-05
0.04876	-0.17709	0.00012	-0.19528	2.14E-05	-0.47598	8.85E-28	-0.45672	1.92E-25
0.12967	-0.02502	0.58964	-0.0861	0.06302	-0.16716	0.00029	-0.06085	0.18927
0.58602	0.045482	0.32671	-0.14713	0.00143	-0.21082	4.32E-06	-0.06046	0.19216
0.01307	-0.05277	0.25511	-0.1532	0.0009	-0.30241	2.48E-11	-0.18188	7.72E-05
0.04337	-0.22472	9.29E-07	-0.20849	5.53E-06	-0.51171	1.59E-32	-0.5306	2.85E-35
0.12921	-0.1627	0.00042	0.076767	0.09753	-0.12641	0.00623	-0.15655	0.00069
0.12408	0.059166	0.20186	0.110301	0.0171	-0.088	0.05741	-0.01179	0.79945
0.00455	-0.16821	0.00026	0.099713	0.03121	-0.12881	0.00531	-0.19704	1.80E-05
0.19747	0.065104	0.16013	-0.20803	5.81E-06	-0.17235	0.00018	-0.06626	0.15281
0.05433	-0.1584	0.00059	-0.10678	0.02101	-0.33871	5.33E-14	-0.35562	2.28E-15
0.62237	-0.14414	0.00179	-0.11287	0.01467	-0.23897	1.73E-07	-0.31067	6.59E-12
0.24255	-0.27073	2.75E-09	-0.34533	1.59E-14	-0.60823	1.38E-48	-0.61242	2.05E-49
0.00023	-0.12028	0.00928	-0.21153	4.00E-06	-0.24036	1.46E-07	-0.21701	2.21E-06
0.46656	0.169075	0.00024	0.174055	0.00016	0.271456	2.48E-09	0.31897	1.67E-12
0.03255	-0.16695	0.00029	-0.14421	0.00178	-0.46661	1.26E-26	-0.43984	1.63E-23
9.84E-06	-0.02146	0.6436	-0.11085	0.01655	-0.26283	8.10E-09	-0.18679	4.87E-05
3.95E-05	-0.04177	0.36773	-0.11837	0.01047	-0.32027	1.34E-12	-0.21584	2.51E-06
4.25E-05	-0.05145	0.26721	-0.22132	1.37E-06	-0.28464	3.74E-10	-0.26338	7.52E-09
9.94E-09	-0.04133	0.37282	-0.25717	1.72E-08	-0.28521	3.43E-10	-0.26356	7.34E-09
0.47737	-0.18354	6.62E-05	-0.17757	0.00011	-0.48251	1.32E-28	-0.46849	7.47E-27
0.03805	-0.17846	0.00011	-0.14257	0.00201	-0.41177	1.54E-20	-0.44132	1.11E-23
1.46E-28	-0.03713	0.42342	-0.13202	0.00426	-0.33605	8.61E-14	-0.20877	5.37E-06
0.00023	-0.12038	0.00922	0.026965	0.56107	-0.28013	7.21E-10	-0.19437	2.34E-05
2.74E-05	-0.14063	0.00232	-0.2092	5.13E-06	-0.49057	1.19E-29	-0.4305	1.71E-22
0.09055	0.148308	0.00131	-0.07307	0.11483	-0.15895	0.00057	0.017127	0.71202
0.00028	-0.06824	0.14088	-0.18232	7.41E-05	-0.33653	7.89E-14	-0.27874	8.82E-10
0.00255	-0.16836	0.00026	-0.1564	0.00069	-0.4797	3.01E-28	-0.46825	7.99E-27
4.95E-19	-0.18229	7.43E-05	-0.30995	7.40E-12	-0.40697	4.68E-20	-0.45032	1.06E-24



0.00159	-0.09782	0.03457	-0.19763	1.69E-05	-0.32119	1.15E-12	-0.27504	1.50E-09
0.02474	-0.17456	0.00015	-0.07286	0.11588	-0.36115	7.81E-16	-0.4056	6.41E-20
1.31E-08	-0.22523	8.76E-07	-0.23074	4.63E-07	-0.35684	1.81E-15	-0.32566	5.34E-13
0.28618	-0.06409	0.16673	0.190992	3.26E-05	-0.17275	0.00018	-0.06853	0.13922
0.3145	-0.16181	0.00045	-0.08503	0.06636	-0.36583	3.10E-16	-0.32665	4.50E-13
0.01033	0.236932	2.21E-07	0.30105	3.07E-11	0.465083	1.94E-26	0.492641	6.35E-30
0.00496	0.03103	0.50354	-0.01934	0.67681	-0.15895	0.00057	-0.06031	0.19326
0.02045	0.008292	0.85816	-0.20773	6.00E-06	-0.19986	1.35E-05	-0.13837	0.00273
0.00023	-0.01971	0.67095	-0.13351	0.00385	-0.29225	1.20E-10	-0.18202	7.62E-05
5.14E-05	-0.03244	0.4843	-0.02978	0.52083	-0.22479	9.22E-07	-0.09546	0.03921
2.14E-05	-0.27447	1.62E-09	-0.25585	2.05E-08	-0.51605	3.85E-33	-0.57889	3.90E-43
7.06E-13	0.054767	0.2375	0.009912	0.83083	-0.17534	0.00014	0.019181	0.67928
7.85E-07	-0.11399	0.01371	-0.36418	4.30E-16	-0.42439	7.66E-22	-0.38153	1.25E-17
0.87188	-0.10421	0.02432	-0.09358	0.04324	-0.25935	1.29E-08	-0.24422	9.06E-08
0.4489	-0.23498	2.80E-07	-0.15362	0.00087	-0.49528	2.83E-30	-0.51949	1.23E-33
0.056	-8.47E-05	0.99854	-0.06394	0.16773	-0.21871	1.83E-06	-0.17911	9.95E-05
0.73422	-0.13748	0.00291	-0.15943	0.00054	-0.23642	2.35E-07	-0.29967	3.81E-11
0.0401	0.014433	0.75575	-0.06246	0.17783	-0.22302	1.13E-06	-0.07938	0.08661
0.00032	0.059924	0.19613	0.152938	0.00091	0.221571	1.33E-06	0.166272	0.00031
1.33E-06	0.095181	0.03978	0.110814	0.01659	0.332826	1.53E-13	0.259563	1.26E-08
0.30755	-0.15142	0.00103	-0.12144	0.00861	-0.34554	1.53E-14	-0.38592	4.92E-18
5.24E-12	-0.07113	0.12479	-0.09701	0.0361	-0.32657	4.56E-13	-0.26893	3.52E-09
0.43941	-0.16456	0.00036	0.009364	0.84006	-0.27661	1.20E-09	-0.25476	2.36E-08
0.39459	-0.06315	0.17305	-0.15882	0.00057	-0.2476	5.93E-08	-0.19734	1.74E-05
0.00933	-0.07462	0.10727	-0.25458	2.42E-08	-0.37525	4.61E-17	-0.29838	4.67E-11
7.49E-06	-0.04554	0.32606	-0.28907	1.93E-10	-0.32674	4.43E-13	-0.28519	3.45E-10
0.20716	-0.03552	0.44383	-0.17077	0.00021	-0.28128	6.11E-10	-0.17287	0.00017
8.95E-23	-0.13604	0.00322	-0.15771	0.00063	-0.3462	1.35E-14	-0.29275	1.11E-10
0.58726	-0.15422	0.00083	-0.06431	0.16532	-0.3785	2.35E-17	-0.3598	1.02E-15
0.88286	0.097744	0.03471	-0.16997	0.00022	-0.26576	5.45E-09	-0.10421	0.02432
0.01295	-0.16504	0.00034	-0.1854	5.56E-05	-0.48712	3.36E-29	-0.44779	2.07E-24
0.00092	-0.19715	1.78E-05	-0.21097	4.25E-06	-0.42917	2.38E-22	-0.47295	2.11E-27
0.45193	-0.19577	2.04E-05	-0.09072	0.05008	-0.24803	5.61E-08	-0.29558	7.19E-11
0.00506	-0.12182	0.0084	-0.02357	0.61143	-0.37206	8.85E-17	-0.28615	2.99E-10
0.00085	-0.19197	2.96E-05	-0.0691	0.13595	-0.19533	2.13E-05	-0.27644	1.23E-09
0.15894	-0.08106	0.08012	-0.22988	5.12E-07	-0.28581	3.14E-10	-0.21423	2.99E-06
0.01224	-0.04432	0.33928	-0.26787	4.08E-09	-0.26228	8.73E-09	-0.21799	1.98E-06
0.81324	-0.08652	0.06173	-0.24673	6.61E-08	-0.37044	1.23E-16	-0.31644	2.55E-12
2.39E-06	0.022179	0.63261	-0.05189	0.26313	-0.18911	3.91E-05	-0.03202	0.48997
0.0015	-0.01426	0.75865	-0.09385	0.04264	-0.17184	0.00019	-0.11701	0.01139
0.17976	-0.01368	0.7681	0.054853	0.23677	-0.18146	8.02E-05	-0.05567	0.22988
0.9392	0.07916	0.08749	0.2861	3.01E-10	0.376944	3.25E-17	0.325421	5.56E-13
0.00109	0.063253	0.17237	-0.11813	0.01062	-0.15208	0.00098	-0.06735	0.14619
0.57964	-0.15241	0.00095	0.064313	0.16528	-0.22147	1.34E-06	-0.24689	6.48E-08
5.37E-08	-0.11217	0.0153	0.038756	0.40339	-0.1893	3.84E-05	-0.1006	0.02973

9.92E-14	-0.18453	6.03E-05	-0.10069	0.02958	-0.27857	9.04E-10	-0.34554	1.53E-14
0.33585	-0.17051	0.00021	-0.09089	0.04966	-0.39735	4.10E-19	-0.39696	4.47E-19
0.01767	-0.13287	0.00402	-0.01888	0.68398	-0.32723	4.07E-13	-0.26358	7.32E-09
0.81528	-0.15629	0.0007	-0.14596	0.00156	-0.37086	1.13E-16	-0.32717	4.11E-13
0.21976	-0.16517	0.00034	0.023874	0.60683	-0.21259	3.57E-06	-0.26632	5.04E-09
0.01945	-0.09205	0.04679	-0.24441	8.85E-08	-0.30388	1.97E-11	-0.2491	4.90E-08
0.51011	-0.1161	0.01205	-0.13914	0.00258	-0.30884	8.87E-12	-0.25086	3.91E-08
0.34243	-0.23857	1.82E-07	-0.18943	3.79E-05	-0.49734	1.50E-30	-0.53103	2.46E-35
0.25207	0.014423	0.7559	-0.01414	0.76047	-0.09379	0.04279	0.023586	0.61117
1.65E-07	-0.22149	1.34E-06	-0.25871	1.41E-08	-0.51113	1.92E-32	-0.59303	1.08E-45
0.85393	-0.28193	5.56E-10	-0.18965	3.71E-05	-0.48535	5.71E-29	-0.52169	5.91E-34
0.0032	-0.21071	4.37E-06	-0.19314	2.64E-05	-0.4226	1.18E-21	-0.46297	3.48E-26
0.06252	-0.11699	0.0114	0.156918	0.00067	-0.1089	0.01857	-0.21305	3.40E-06
0.18129	0.061767	0.1827	-0.17437	0.00015	-0.20864	5.45E-06	-0.06751	0.14522
0.04895	-0.18538	5.57E-05	-0.26607	5.22E-09	-0.39963	2.47E-19	-0.4201	2.16E-21
0.00028	-0.09618	0.03773	-0.19967	1.38E-05	-0.29731	5.51E-11	-0.28861	2.07E-10
6.70E-06	-0.08589	0.06364	-0.10356	0.02522	-0.258	1.55E-08	-0.24614	7.13E-08
0.09711	-0.20916	5.15E-06	-0.35916	1.15E-15	-0.47913	3.56E-28	-0.47244	2.44E-27
2.34E-17	-0.09418	0.04193	-0.08144	0.07871	-0.33681	7.51E-14	-0.252	3.38E-08
0.14839	0.038187	0.41033	-0.18439	6.11E-05	-0.11061	0.01679	-0.03351	0.46999
0.16342	-0.04632	0.31787	-0.11318	0.0144	-0.28682	2.71E-10	-0.15655	0.00069
0.93149	-0.23673	2.27E-07	-0.24856	5.25E-08	-0.53275	1.35E-35	-0.53958	1.22E-36
1.67E-10	-0.0647	0.16271	-0.30853	9.33E-12	-0.20798	5.84E-06	-0.20279	1.00E-05
0.00333	-0.32276	8.78E-13	-0.24917	4.86E-08	-0.46152	5.19E-26	-0.53094	2.53E-35
0.01627	-0.05091	0.2722	-0.18637	5.07E-05	-0.27233	2.19E-09	-0.1903	3.48E-05
0.08593	-0.31887	1.70E-12	-0.21533	2.65E-06	-0.52352	3.19E-34	-0.59185	1.78E-45
0.15645	-0.18175	7.81E-05	-0.14218	0.00207	-0.42064	1.89E-21	-0.40493	7.46E-20
0.00032	-0.33308	1.46E-13	-0.28024	7.10E-10	-0.51684	2.96E-33	-0.68871	6.27E-67
4.44E-06	-0.33126	2.01E-13	-0.17378	0.00016	-0.40029	2.13E-19	-0.48212	1.48E-28
0.61494	0.011716	0.80064	-0.23588	2.51E-07	-0.20417	8.70E-06	-0.10948	0.01795
0.02701	-0.05285	0.25439	-0.25285	3.03E-08	-0.28194	5.55E-10	-0.2663	5.06E-09
0.00203	0.065694	0.15637	-0.07331	0.11361	-0.20357	9.25E-06	-0.02645	0.56856
9.23E-05	-0.06422	0.16592	-0.07666	0.09798	-0.24951	4.65E-08	-0.18871	4.06E-05
0.08731	-0.0894	0.05353	-0.2249	9.11E-07	-0.32305	8.35E-13	-0.2644	6.55E-09
0.58399	-0.08802	0.05733	-0.23612	2.44E-07	-0.39339	9.80E-19	-0.30762	1.08E-11
2.70E-06	-0.03201	0.4902	0.086275	0.06248	-0.16097	0.00048	-0.12369	0.00745
3.17E-08	-0.19434	2.35E-05	-0.17435	0.00015	-0.27631	1.25E-09	-0.3354	9.66E-14
0.00548	0.174582	0.00015	0.47282	2.19E-27	0.563789	1.55E-40	0.502553	2.96E-31
0.01047	-0.16761	0.00027	-0.2001	1.32E-05	-0.41689	4.64E-21	-0.408	3.69E-20
0.09087	-0.05025	0.27846	-0.09549	0.03914	-0.31248	4.90E-12	-0.1794	9.69E-05
0.24992	-0.02227	0.63119	-0.19269	2.76E-05	-0.23124	4.36E-07	-0.17235	0.00018
0.12262	-0.10701	0.02072	-0.13993	0.00244	-0.20928	5.09E-06	-0.26673	4.77E-09
0.03854	-0.03472	0.45419	0.001764	0.96968	-0.21141	4.06E-06	-0.14821	0.00132
0.91043	-0.14415	0.00179	-0.04054	0.3821	-0.34437	1.90E-14	-0.30797	1.02E-11
1.46E-09	-0.02358	0.61125	-0.05396	0.2445	-0.16168	0.00045	-0.09714	0.03585

0.07552	-0.22468	9.33E-07	-0.16649	0.0003	-0.46278	3.66E-26	-0.48855	2.19E-29
0.00087	-0.13432	0.00364	-0.19498	2.20E-05	-0.33858	5.46E-14	-0.36948	1.49E-16
0.00062	0.102861	0.02623	0.143659	0.00186	0.243424	1.00E-07	0.291594	1.32E-10
0.27901	0.061151	0.18711	0.152433	0.00095	0.315664	2.90E-12	0.178111	0.00011
0.01972	-0.13339	0.00388	-0.1884	4.18E-05	-0.33487	1.06E-13	-0.25264	3.11E-08
0.99557	-0.15863	0.00058	-0.06954	0.13344	-0.39776	3.74E-19	-0.29996	3.65E-11
0.33241	-0.28276	4.92E-10	-0.27215	2.25E-09	-0.46653	1.29E-26	-0.58457	3.80E-44
1.57E-07	-0.08388	0.07016	-0.08206	0.07645	-0.34031	3.99E-14	-0.24144	1.28E-07
0.0305	0.117194	0.01126	0.088678	0.05549	0.193407	2.57E-05	0.275638	1.38E-09
0.04385	-0.21828	1.92E-06	-0.19803	1.63E-05	-0.51563	4.42E-33	-0.49377	4.51E-30
1.19E-10	-0.12333	0.00763	-0.10567	0.02239	-0.39578	5.80E-19	-0.33522	9.98E-14
0.00148	-0.16092	0.00048	-0.13577	0.00328	-0.44228	8.71E-24	-0.37489	4.96E-17
3.28E-06	-0.15029	0.00112	-0.13221	0.00421	-0.44504	4.25E-24	-0.37109	1.08E-16
0.22325	-0.20712	6.39E-06	-0.18327	6.79E-05	-0.47052	4.21E-27	-0.49716	1.59E-30
0.29421	-0.05413	0.24305	-0.09592	0.03826	-0.31056	6.71E-12	-0.21477	2.82E-06
0.51201	-0.25438	2.48E-08	-0.19776	1.67E-05	-0.49869	9.87E-31	-0.53442	7.56E-36
9.99E-11	-0.0499	0.28186	-0.06581	0.15567	-0.29527	7.55E-11	-0.19144	3.12E-05
0.00544	-0.21474	2.83E-06	-0.33571	9.15E-14	-0.49992	6.75E-31	-0.50171	3.86E-31
0.00388	-0.17824	0.00011	-0.1391	0.00259	-0.4331	8.95E-23	-0.40419	8.82E-20
0.52915	-0.22573	8.27E-07	-0.30492	1.67E-11	-0.55922	8.94E-40	-0.56474	1.08E-40
0.6192	-0.23769	2.02E-07	-0.2493	4.78E-08	-0.55545	3.70E-39	-0.54733	7.50E-38
0.00282	-0.0312	0.5012	-0.08934	0.0537	-0.18154	7.97E-05	-0.16284	0.00041
0.01166	-0.2617	9.44E-09	-0.2583	1.49E-08	-0.54898	4.09E-38	-0.5899	4.08E-45
0.93622	-0.09123	0.04879	-0.2499	4.42E-08	-0.3031	2.22E-11	-0.28953	1.80E-10
0.00046	-0.15956	0.00054	-0.18901	3.95E-05	-0.30297	2.27E-11	-0.22133	1.36E-06
0.03114	-0.0229	0.62165	-0.23866	1.80E-07	-0.26384	7.07E-09	-0.18181	7.77E-05
0.85991	-0.10559	0.02249	-0.17695	0.00012	-0.37299	7.32E-17	-0.32923	2.88E-13
0.38693	-0.1954	2.12E-05	-0.23277	3.64E-07	-0.48088	2.13E-28	-0.46129	5.51E-26
2.08E-13	-0.07645	0.09894	-0.11486	0.013	-0.29871	4.43E-11	-0.2522	3.29E-08
0.70483	-0.32151	1.09E-12	-0.18724	4.67E-05	-0.47337	1.87E-27	-0.55143	1.66E-38
1.31E-07	-0.03666	0.42934	-0.22762	6.66E-07	-0.22789	6.45E-07	-0.1684	0.00026
4.16E-14	-0.11624	0.01194	-0.15809	0.00061	-0.19869	1.52E-05	-0.24083	1.38E-07
6.34E-07	-0.04725	0.30824	-0.15655	0.00069	-0.3344	1.16E-13	-0.233	3.55E-07
0.84261	-0.18209	7.57E-05	-0.00601	0.89701	-0.28377	4.25E-10	-0.28898	1.96E-10
0.01218	-0.28274	4.94E-10	-0.13745	0.00292	-0.38543	5.47E-18	-0.48085	2.15E-28
0.07723	-0.05291	0.2538	-0.14724	0.00142	-0.19351	2.55E-05	-0.16806	0.00026
0.10572	-0.15117	0.00105	-0.19683	1.83E-05	-0.38669	4.18E-18	-0.4104	2.12E-20
0.00158	-0.1475	0.00139	-0.21283	3.48E-06	-0.4175	4.01E-21	-0.41019	2.23E-20
0.00842	-0.06153	0.18439	0.144403	0.00176	-0.16062	0.00049	-0.21403	3.06E-06
3.57E-06	-0.07236	0.11838	0.125031	0.00682	-0.21165	3.95E-06	-0.18643	5.05E-05
0.4251	-0.25836	1.47E-08	-0.15371	0.00086	-0.5008	5.12E-31	-0.52366	3.05E-34
1.15E-05	-0.16868	0.00025	-0.08078	0.0812	-0.42348	9.56E-22	-0.40098	1.82E-19
0.82811	-0.07211	0.11967	-0.04177	0.36781	-0.21016	4.64E-06	-0.23505	2.78E-07
0.00312	-0.1066	0.02122	-0.12581	0.00648	-0.31321	4.35E-12	-0.236	2.48E-07
0.1845	-0.09557	0.03898	-0.19535	2.12E-05	-0.29531	7.50E-11	-0.25406	2.59E-08

2.50E-06	-0.2056	7.49E-06	-0.19982	1.36E-05	-0.36952	1.48E-16	-0.35948	1.08E-15
0.15373	0.042871	0.35528	-0.08094	0.0806	-0.18941	3.80E-05	-0.07245	0.11795
2.87E-06	-0.06443	0.16448	-0.00557	0.90437	-0.13909	0.00259	-0.15002	0.00115
0.07728	0.04951	0.28565	0.012866	0.78155	0.228472	6.03E-07	0.125392	0.00666
0.00178	-0.17663	0.00012	-0.2614	9.82E-09	-0.32225	9.58E-13	-0.30833	9.64E-12
0.2026	-0.03869	0.40415	-0.13409	0.00369	-0.23935	1.65E-07	-0.14427	0.00177
2.24E-16	-0.18494	5.81E-05	-0.27495	1.52E-09	-0.32735	3.99E-13	-0.36228	6.26E-16
1.61E-07	-0.25392	2.64E-08	-0.40162	1.58E-19	-0.4941	4.07E-30	-0.56838	2.60E-41
0.00159	-0.13144	0.00444	-0.25583	2.06E-08	-0.27708	1.12E-09	-0.28026	7.09E-10
0.02987	0.139046	0.0026	0.003562	0.93881	-0.0886	0.0557	-0.00884	0.8489
0.16876	0.134374	0.00362	0.139434	0.00253	0.293577	9.78E-11	0.294338	8.70E-11
0.13624	0.19987	1.35E-05	-0.04268	0.35738	0.254321	2.50E-08	0.302248	2.54E-11
0.18563	-0.15706	0.00066	-0.22627	7.78E-07	-0.47439	1.40E-27	-0.42078	1.83E-21
1.43E-08	-0.15031	0.00112	-0.05817	0.20959	-0.29457	8.41E-11	-0.33002	2.50E-13
0.0002	-0.02454	0.59677	-0.10451	0.0239	-0.1869	4.82E-05	-0.08021	0.08335
1.16E-05	-0.14592	0.00157	-0.25625	1.94E-08	-0.28477	3.66E-10	-0.25391	2.64E-08
0.13854	-0.06129	0.18611	-0.06421	0.16594	-0.11495	0.01293	-0.15812	0.00061
0.66871	-0.01521	0.74296	-0.23291	3.58E-07	-0.25531	2.20E-08	-0.20296	9.85E-06
0.00823	0.026788	0.56363	-0.169	0.00024	-0.20091	1.22E-05	-0.08353	0.07132
0.05494	-0.25536	2.19E-08	-0.1671	0.00029	-0.39721	4.23E-19	-0.46597	1.51E-26
0.63216	0.023384	0.61422	-0.1283	0.00549	-0.28629	2.93E-10	-0.1554	0.00075
2.65E-06	-0.10966	0.01776	-0.0843	0.06873	-0.30464	1.74E-11	-0.24892	5.01E-08
0.05797	-0.16287	0.00041	-0.13945	0.00253	-0.44595	3.35E-24	-0.39707	4.36E-19
0.03533	-0.16464	0.00035	-0.18997	3.60E-05	-0.46655	1.28E-26	-0.42771	3.40E-22
0.0032	-0.09095	0.04951	-0.09479	0.04061	-0.30055	3.32E-11	-0.20676	6.64E-06
0.56608	-0.1843	6.16E-05	-0.1762	0.00013	-0.50011	6.35E-31	-0.4588	1.09E-25
1.31E-05	-0.10526	0.02292	-0.10088	0.02927	-0.29247	1.16E-10	-0.33223	1.70E-13
0.77703	-0.07339	0.11321	-0.07923	0.08721	-0.30946	8.02E-12	-0.23103	4.47E-07
2.67E-06	-0.14875	0.00126	-0.14824	0.00132	-0.36453	4.02E-16	-0.35692	1.78E-15
9.28E-14	-0.0136	0.76939	-0.08053	0.08212	-0.32478	6.21E-13	-0.17627	0.00013
0.00014	-0.0656	0.15695	-0.09919	0.0321	-0.14304	0.00194	-0.06715	0.14739
0.8623	0.084796	0.06712	0.063133	0.17319	-0.10293	0.02614	0.058024	0.21071
0.9542	-0.07526	0.10433	-0.15197	0.00099	-0.22819	6.23E-07	-0.15704	0.00066
7.41E-06	-0.13515	0.00343	-0.20619	7.05E-06	-0.27167	2.40E-09	-0.35925	1.13E-15
0.34495	-0.24767	5.88E-08	-0.21499	2.75E-06	-0.51907	1.42E-33	-0.54902	4.03E-38
0.3366	-0.16363	0.00038	-0.06829	0.14063	-0.30147	2.88E-11	-0.30366	2.03E-11
0.95888	-0.06452	0.16394	-0.2667	4.79E-09	-0.27872	8.84E-10	-0.2271	7.07E-07
0.60732	-0.08272	0.07411	-0.20967	4.88E-06	-0.25085	3.92E-08	-0.23034	4.85E-07
0.43938	-0.1573	0.00065	0.012728	0.78383	-0.40397	9.28E-20	-0.34572	1.48E-14
0.00516	-0.09379	0.04278	0.257774	1.59E-08	-0.09582	0.03845	-0.09639	0.03731
0.82921	-0.09868	0.033	0.18837	4.19E-05	0.289712	1.76E-10	0.186982	4.79E-05
0.00167	-0.11311	0.01446	-0.18469	5.94E-05	-0.41029	2.18E-20	-0.31697	2.33E-12
0.94305	-0.11399	0.01371	-0.04092	0.3776	-0.07655	0.09848	-0.20006	1.33E-05
0.94322	-0.116	0.01212	-0.24697	6.42E-08	-0.45277	5.55E-25	-0.34459	1.82E-14
0.0236	-0.24921	4.83E-08	-0.18073	8.58E-05	-0.5222	4.98E-34	-0.54888	4.25E-38

0.01812	-0.07765	0.09373	-0.32917	2.91E-13	-0.45576	2.49E-25	-0.38184	1.17E-17
1.32E-36	0.028591	0.53767	0.019611	0.67251	-0.18449	6.06E-05	-0.05683	0.22025
0.82791	-0.2231	1.12E-06	-0.24818	5.51E-08	-0.46984	5.11E-27	-0.50132	4.35E-31
0.4878	-0.03473	0.45404	0.068085	0.14181	-0.1609	0.00048	-0.08523	0.06572
0.03399	-0.00766	0.86881	-0.23795	1.96E-07	-0.33519	1.00E-13	-0.23461	2.93E-07
3.75E-09	-0.05389	0.24514	-0.29463	8.32E-11	-0.30259	2.41E-11	-0.22358	1.06E-06
0.00748	-0.17825	0.00011	-0.34245	2.70E-14	-0.44223	8.81E-24	-0.43466	6.05E-23
0.07097	-0.11322	0.01436	-0.21564	2.56E-06	-0.34976	6.95E-15	-0.25962	1.25E-08
6.26E-11	-0.13528	0.0034	-0.31335	4.25E-12	-0.4542	3.78E-25	-0.45594	2.37E-25
0.37627	-0.17345	0.00017	-0.37638	3.65E-17	-0.34935	7.50E-15	-0.36361	4.82E-16
0.00019	-0.16301	0.0004	-0.35646	1.94E-15	-0.35644	1.95E-15	-0.34893	8.13E-15
0.02215	-0.11799	0.01072	-0.30333	2.14E-11	-0.40565	6.33E-20	-0.37165	9.63E-17
8.67E-11	-0.18637	5.07E-05	-0.30418	1.87E-11	-0.38862	2.76E-18	-0.43468	6.03E-23
1.78E-10	-0.15082	0.00108	-0.32459	6.42E-13	-0.37697	3.23E-17	-0.38694	3.96E-18
0.00177	-0.10284	0.02626	-0.06477	0.16229	-0.32277	8.76E-13	-0.1904	3.45E-05
0.30083	-0.12887	0.00529	-0.01049	0.82114	-0.26754	4.27E-09	-0.20615	7.08E-06
4.76E-08	-0.20724	6.31E-06	-0.03043	0.51189	-0.30255	2.42E-11	-0.38328	8.64E-18
8.66E-24	-0.01137	0.80645	-0.08878	0.05522	-0.28253	5.09E-10	-0.10518	0.02302
0.27438	-0.30546	1.53E-11	-0.23495	2.81E-07	-0.42923	2.34E-22	-0.48588	4.86E-29
0.19366	-0.19111	3.22E-05	-0.28271	4.96E-10	-0.46356	2.95E-26	-0.47453	1.34E-27
0.01315	-0.06399	0.16744	-0.07129	0.12395	-0.32278	8.75E-13	-0.2624	8.59E-09
0.04835	-0.09622	0.03766	-0.1048	0.02352	-0.38793	3.21E-18	-0.34229	2.78E-14
0.31565	-0.18427	6.18E-05	-0.16913	0.00024	-0.34965	7.10E-15	-0.34588	1.44E-14
0.12922	-0.1614	0.00046	-0.34977	6.94E-15	-0.40402	9.17E-20	-0.36614	2.91E-16
2.56E-11	0.036587	0.43023	-0.04548	0.32674	-0.1638	0.00038	-0.04812	0.29938
0.01311	-0.29703	5.75E-11	-0.29013	1.65E-10	-0.55521	4.05E-39	-0.66407	1.04E-60
0.66691	-0.11685	0.01151	-0.22567	8.34E-07	-0.25665	1.84E-08	-0.22302	1.13E-06
0.0001	-0.16906	0.00024	-0.11687	0.01149	-0.32107	1.17E-12	-0.36205	6.54E-16
0.17744	-0.12309	0.00774	0.177138	0.00012	-0.02799	0.54631	-0.07769	0.09354
0.03841	-0.22568	8.33E-07	-0.18044	8.82E-05	-0.40645	5.28E-20	-0.39372	9.13E-19
1.47E-10	0.049466	0.28608	-0.04482	0.33387	-0.20786	5.92E-06	-0.07356	0.11239
0.05187	-0.10521	0.02298	-0.09257	0.04557	-0.25042	4.14E-08	-0.23666	2.29E-07
0.37002	-0.06783	0.1433	-0.17891	0.0001	-0.30073	3.23E-11	-0.22223	1.23E-06
0.013	-0.06343	0.1712	-0.20574	7.39E-06	-0.34325	2.33E-14	-0.23327	3.43E-07
0.32617	-0.17387	0.00016	-0.15625	0.0007	-0.41582	5.97E-21	-0.33901	5.05E-14
0.01749	-0.12856	0.0054	-0.0331	0.47547	-0.32101	1.18E-12	-0.26865	3.66E-09
0.08602	-0.21339	3.28E-06	-0.2211	1.40E-06	-0.50352	2.18E-31	-0.50073	5.23E-31
0.00013	-0.10347	0.02536	-0.01429	0.7581	-0.32757	3.84E-13	-0.24719	6.24E-08
0.76131	-0.23235	3.83E-07	-0.18776	4.45E-05	-0.49813	1.18E-30	-0.51557	4.50E-33
0.34263	-0.02579	0.57824	-0.1868	4.87E-05	-0.20312	9.70E-06	-0.08902	0.05455
2.31E-06	-0.10956	0.01786	-0.18272	7.14E-05	-0.42217	1.31E-21	-0.28583	3.13E-10
0.11473	-0.17672	0.00012	-0.20678	6.63E-06	-0.37799	2.61E-17	-0.33357	1.34E-13
3.09E-05	-0.14097	0.00226	-0.0446	0.33619	-0.18704	4.76E-05	-0.25425	2.52E-08
0.1657	0.233035	3.53E-07	0.142856	0.00197	0.359733	1.03E-15	0.409006	2.93E-20
9.18E-15	-0.06166	0.18348	-0.1316	0.00439	-0.23731	2.12E-07	-0.15701	0.00066

0.49288	-0.00137	0.97647	-0.32935	2.82E-13	-0.19565	2.06E-05	-0.12014	0.00936
2.82E-06	-0.12604	0.00638	-0.16401	0.00037	-0.41773	3.80E-21	-0.34982	6.88E-15
0.29981	-0.24819	5.50E-08	-0.27759	1.04E-09	-0.53114	2.36E-35	-0.56094	4.63E-40
0.20968	-0.12519	0.00675	-0.20464	8.29E-06	-0.41627	5.37E-21	-0.3856	5.27E-18
0.01121	-0.04949	0.28584	0.000216	0.99628	-0.19453	2.30E-05	-0.18983	3.65E-05
0.10239	0.119516	0.00973	0.150247	0.00113	0.248556	5.25E-08	0.20379	9.05E-06
0.00349	-0.21005	4.69E-06	-0.07143	0.12321	-0.26189	9.20E-09	-0.33968	4.48E-14
0.91674	-0.06268	0.17628	-0.0848	0.0671	-0.27533	1.44E-09	-0.15279	0.00092
0.03632	-0.14049	0.00234	-0.13383	0.00376	-0.42484	6.88E-22	-0.38558	5.30E-18
4.92E-07	-0.16102	0.00048	0.088538	0.05588	-0.14723	0.00142	-0.2777	1.02E-09
0.8337	-0.13805	0.00279	-0.27167	2.40E-09	-0.42451	7.45E-22	-0.37704	3.19E-17
0.0019	-0.15811	0.00061	-0.10507	0.02316	-0.24651	6.80E-08	-0.31486	3.31E-12
9.76E-05	-0.2683	3.84E-09	-0.33462	1.11E-13	-0.42944	2.23E-22	-0.50342	2.25E-31
0.0211	-0.03748	0.41911	-0.2734	1.89E-09	-0.33103	2.10E-13	-0.21322	3.34E-06
1.16E-05	-0.08263	0.07445	0.057448	0.21529	0.185602	5.45E-05	0.057096	0.21811
0.00406	-0.0538	0.2459	-0.0362	0.43515	-0.14677	0.00147	-0.18996	3.60E-05
7.23E-05	0.213892	3.10E-06	0.284875	3.61E-10	0.362602	5.87E-16	0.373944	6.03E-17
9.98E-08	-0.07699	0.09655	-0.27684	1.16E-09	-0.22312	1.11E-06	-0.24143	1.28E-07
1.31E-14	0.025497	0.58259	-0.05944	0.19975	-0.15166	0.00101	-0.04301	0.35375
2.39E-07	-0.06206	0.18063	-0.13357	0.00383	-0.26508	5.97E-09	-0.21791	2.00E-06
0.00021	-0.02796	0.54674	-0.04125	0.37373	-0.23624	2.41E-07	-0.1154	0.01258
3.51E-05	-0.09782	0.03458	-0.21149	4.02E-06	-0.36728	2.32E-16	-0.3213	1.13E-12
0.00012	-0.02333	0.61506	-0.02537	0.58446	-0.31666	2.46E-12	-0.24335	1.01E-07
0.23219	-0.16158	0.00046	-0.14377	0.00184	-0.29066	1.52E-10	-0.26616	5.15E-09
0.04886	-0.06312	0.17329	-0.25051	4.09E-08	-0.26539	5.73E-09	-0.24812	5.55E-08
4.17E-06	-0.04716	0.30915	-0.15393	0.00085	-0.22133	1.36E-06	-0.20078	1.23E-05
0.47328	-0.29424	8.84E-11	-0.36156	7.21E-16	-0.46898	6.51E-27	-0.58572	2.36E-44
0.07929	-0.1776	0.00011	-0.26293	8.00E-09	-0.47214	2.66E-27	-0.44607	3.25E-24
0.00029	-0.00892	0.84746	-0.10434	0.02414	-0.24656	6.76E-08	-0.10016	0.03045
5.49E-13	0.033944	0.46431	-0.03003	0.51747	-0.2405	1.44E-07	-0.07841	0.09055
0.68518	-0.28074	6.61E-10	-0.22979	5.17E-07	-0.4963	2.07E-30	-0.58067	1.89E-43
4.66E-07	-0.07144	0.12315	-0.20533	7.71E-06	-0.34705	1.16E-14	-0.27267	2.09E-09
9.74E-07	-0.09816	0.03396	-0.07864	0.0896	-0.24252	1.12E-07	-0.25018	4.27E-08
0.83828	-0.07778	0.09318	-0.17321	0.00017	-0.29502	7.84E-11	-0.25641	1.90E-08
0.80472	-0.19698	1.81E-05	-0.09026	0.05125	-0.33776	6.34E-14	-0.34782	1.00E-14
0.05783	-0.18415	6.25E-05	-0.04129	0.37331	-0.312	5.30E-12	-0.33299	1.48E-13
0.23923	-0.17508	0.00014	-0.23453	2.95E-07	-0.55944	8.22E-40	-0.55594	3.08E-39
0.46083	-0.0393	0.3968	-0.21341	3.27E-06	-0.31797	1.97E-12	-0.23338	3.39E-07
3.57E-08	-0.04264	0.35785	-0.19625	1.94E-05	-0.19798	1.64E-05	-0.16647	0.0003
0.5366	-0.05596	0.22746	-0.07163	0.12216	-0.28562	3.23E-10	-0.14589	0.00157
0.82821	-0.16498	0.00034	-0.21236	3.66E-06	-0.50888	3.95E-32	-0.49121	9.81E-30
0.88688	-0.19472	2.26E-05	-0.18915	3.89E-05	-0.49284	5.98E-30	-0.49159	8.75E-30
0.04965	-0.21854	1.86E-06	-0.17085	0.00021	-0.47576	9.44E-28	-0.4945	3.60E-30
0.14721	-0.14383	0.00183	-0.22236	1.21E-06	-0.35244	4.19E-15	-0.39989	2.33E-19
1.85E-22	-0.03566	0.44199	-0.25052	4.09E-08	-0.25887	1.38E-08	-0.21197	3.82E-06

1.73E-10	-0.14622	0.00153	-0.37862	2.29E-17	-0.36662	2.65E-16	-0.36686	2.53E-16
0.41476	-0.16379	0.00038	-0.13371	0.0038	-0.42621	4.92E-22	-0.34977	6.94E-15
0.02233	-0.01725	0.71005	-0.33739	6.77E-14	-0.19753	1.71E-05	-0.14169	0.00215
0.61357	0.013988	0.76305	-0.0988	0.03279	-0.20578	7.35E-06	-0.07219	0.11927
8.79E-07	-0.15088	0.00107	-0.14033	0.00237	-0.4097	2.50E-20	-0.32979	2.61E-13
9.76E-05	-0.15753	0.00063	-0.13054	0.00472	-0.32172	1.05E-12	-0.31951	1.52E-12
0.98984	-0.24508	8.13E-08	-0.25677	1.82E-08	-0.51775	2.19E-33	-0.54344	3.08E-37
5.65E-05	0.180201	9.01E-05	0.181316	8.13E-05	0.290072	1.66E-10	0.307053	1.18E-11
1.65E-05	-0.2542	2.54E-08	-0.33223	1.70E-13	-0.45027	1.08E-24	-0.5409	7.65E-37
6.84E-06	-0.26429	6.65E-09	-0.16361	0.00039	-0.31641	2.56E-12	-0.43239	1.07E-22
0.00606	-0.1846	5.99E-05	-0.1835	6.64E-05	-0.43501	5.54E-23	-0.43799	2.61E-23
4.85E-05	0.035436	0.44489	-0.06213	0.18011	-0.18011	9.08E-05	-0.05007	0.28018
0.01957	-0.14042	0.00236	-0.14868	0.00127	-0.33425	1.19E-13	-0.34209	2.88E-14
4.05E-06	-0.14622	0.00153	-0.3017	2.78E-11	-0.35228	4.32E-15	-0.3578	1.50E-15
0.7884	-0.06067	0.19064	-0.33262	1.59E-13	-0.30591	1.42E-11	-0.26716	4.49E-09
1.21E-10	-0.13725	0.00296	-0.00866	0.85186	-0.28199	5.51E-10	-0.26158	9.59E-09
0.0236	-0.11514	0.01278	-0.36977	1.41E-16	-0.29915	4.14E-11	-0.28351	4.41E-10
0.32448	-0.08944	0.05341	-0.05552	0.23115	-0.29843	4.63E-11	-0.31481	3.34E-12
0.0182	0.049224	0.28845	0.291633	1.31E-10	0.345149	1.64E-14	0.34127	3.35E-14
1.54E-08	-0.10776	0.01985	-0.30411	1.90E-11	-0.32763	3.80E-13	-0.31554	2.96E-12
0.08692	-0.18251	7.28E-05	-0.20489	8.07E-06	-0.37056	1.20E-16	-0.35578	2.21E-15
3.38E-08	-0.26471	6.28E-09	-0.24961	4.59E-08	-0.44702	2.54E-24	-0.50298	2.59E-31
2.82E-06	-0.16767	0.00027	0.003938	0.93236	-0.1813	8.15E-05	-0.18273	7.14E-05
0.0032	-0.03312	0.47516	-0.25013	4.30E-08	-0.39722	4.22E-19	-0.303	2.26E-11
0.78128	-0.16624	0.00031	-0.27853	9.09E-10	-0.4262	4.93E-22	-0.44566	3.62E-24
0.00179	-0.0121	0.7943	-0.1347	0.00354	-0.13798	0.00281	-0.04945	0.28624
0.00012	-0.28195	5.54E-10	-0.25763	1.62E-08	-0.51689	2.91E-33	-0.60343	1.17E-47
6.51E-09	-0.18386	6.42E-05	-0.03444	0.45775	-0.00476	0.91823	-0.1047	0.02365
0.02069	-0.15075	0.00108	-0.04617	0.3195	-0.24935	4.75E-08	-0.30769	1.07E-11
6.11E-05	0.173985	0.00016	0.134649	0.00355	0.225644	8.36E-07	0.296741	6.01E-11
0.19007	0.043187	0.35175	-0.24005	1.52E-07	-0.29458	8.39E-11	-0.24664	6.69E-08
0.00537	-0.25584	2.05E-08	-0.22945	5.38E-07	-0.53191	1.81E-35	-0.60019	4.89E-47
0.00015	-0.18184	7.75E-05	-0.19119	3.20E-05	-0.4279	3.25E-22	-0.40516	7.07E-20
0.03306	-0.34843	8.93E-15	-0.11321	0.01437	-0.34969	7.04E-15	-0.51473	5.92E-33
0.72742	0.218799	1.81E-06	0.093262	0.04397	0.30915	8.44E-12	0.30398	1.93E-11
0.01683	-0.27632	1.25E-09	-0.34524	1.61E-14	-0.56111	4.34E-40	-0.64879	3.88E-57
1.42E-07	0.114875	0.01299	0.04763	0.30436	-0.10356	0.02522	0.083465	0.07154
0.03821	-0.11455	0.01325	-0.2379	1.97E-07	-0.38218	1.09E-17	-0.39946	2.56E-19
4.59E-07	-0.16261	0.00042	-0.19083	3.31E-05	-0.37616	3.82E-17	-0.38574	5.12E-18
1.62E-06	0.001345	0.97687	0.009012	0.84599	-0.08232	0.07552	0.063875	0.16819
0.79242	-0.09802	0.0342	-0.16456	0.00036	-0.3853	5.62E-18	-0.35677	1.83E-15
5.03E-10	-0.09611	0.03788	-0.13556	0.00333	-0.30723	1.15E-11	-0.26757	4.25E-09
8.87E-20	-0.10288	0.02621	-0.16909	0.00024	-0.39956	2.50E-19	-0.32942	2.78E-13
0.06876	-0.01203	0.79538	-0.09653	0.03703	-0.39745	4.01E-19	-0.26363	7.27E-09
0.51958	-0.03961	0.39309	0.011448	0.80511	-0.27116	2.58E-09	-0.18386	6.42E-05

0.00086	-0.03982	0.39061	-0.17537	0.00014	-0.37686	3.31E-17	-0.28962	1.78E-10
0.9894	-0.05724	0.21699	-0.2999	3.68E-11	-0.25378	2.69E-08	-0.22592	8.09E-07
1.63E-11	-0.27663	1.19E-09	-0.28647	2.85E-10	-0.39038	1.89E-18	-0.50567	1.10E-31
0.00019	-0.19059	3.39E-05	-0.39811	3.46E-19	-0.50081	5.11E-31	-0.55966	7.55E-40
1.80E-07	-0.22297	1.13E-06	-0.36329	5.13E-16	-0.43444	6.39E-23	-0.46901	6.44E-27
5.68E-23	-0.28833	2.16E-10	-0.21397	3.08E-06	-0.42587	5.35E-22	-0.53328	1.12E-35
0.62798	-0.1949	2.22E-05	-0.13572	0.0033	-0.48506	6.22E-29	-0.46832	7.83E-27
2.32E-14	-0.15062	0.0011	-0.13403	0.00371	-0.34078	3.66E-14	-0.3728	7.61E-17
8.80E-18	-0.19639	1.92E-05	-0.29855	4.54E-11	-0.35575	2.23E-15	-0.44806	1.93E-24
0.05355	-0.15363	0.00087	-0.15758	0.00063	-0.25577	2.07E-08	-0.29919	4.11E-11
0.4464	0.046927	0.31157	-0.11231	0.01517	-0.24604	7.21E-08	-0.11121	0.0162
2.51E-05	-0.02067	0.65588	-0.07671	0.09776	-0.2524	3.21E-08	-0.09294	0.0447
0.56084	-0.0688	0.13767	-0.20339	9.42E-06	-0.31003	7.31E-12	-0.2689	3.54E-09
0.38067	0.016965	0.71461	-0.09252	0.0457	-0.16666	0.0003	-0.0599	0.19632
0.19702	-0.17273	0.00018	-0.17695	0.00012	-0.45982	8.26E-26	-0.44452	4.86E-24
0.00108	-0.10421	0.02432	-0.22267	1.17E-06	-0.27267	2.09E-09	-0.32204	9.92E-13
0.72945	-0.16164	0.00045	-0.18992	3.62E-05	-0.44124	1.14E-23	-0.39486	7.11E-19
0.00014	-0.25806	1.53E-08	-0.33538	9.71E-14	-0.37141	1.01E-16	-0.48796	2.61E-29
2.15E-07	-0.14952	0.00119	-0.15866	0.00058	-0.31225	5.09E-12	-0.35905	1.18E-15
6.19E-05	-0.20669	6.69E-06	-0.29418	8.92E-11	-0.36745	2.24E-16	-0.46445	2.30E-26
7.80E-05	-0.12097	0.00888	-0.07797	0.09239	-0.15495	0.00078	-0.18848	4.15E-05
0.2071	-0.03133	0.49949	0.012671	0.78477	-0.2088	5.36E-06	-0.12567	0.00654
0.30801	-0.11523	0.01271	-0.05934	0.2005	-0.23302	3.54E-07	-0.23463	2.92E-07
0.11832	-0.26775	4.14E-09	-0.10826	0.01928	-0.41639	5.22E-21	-0.4434	6.51E-24
0.00012	-0.13364	0.00381	-0.12411	0.00725	-0.30379	1.99E-11	-0.30188	2.70E-11
0.0414	-0.14642	0.00151	-0.28591	3.10E-10	-0.50496	1.38E-31	-0.44871	1.63E-24
3.90E-10	-0.19775	1.67E-05	-0.03738	0.42029	-0.33079	2.19E-13	-0.37849	2.36E-17
0.2516	-0.04346	0.34875	-0.01934	0.67682	-0.25714	1.73E-08	-0.18634	5.09E-05
4.66E-12	-0.23776	2.00E-07	-0.0415	0.37087	-0.2145	2.91E-06	-0.25444	2.46E-08
0.00436	-0.2805	6.84E-10	-0.37052	1.21E-16	-0.55088	2.03E-38	-0.62656	2.70E-52
7.70E-05	-0.09707	0.036	-0.04457	0.33653	-0.24281	1.08E-07	-0.15057	0.0011
0.469	-0.12165	0.0085	-0.06087	0.18913	-0.18062	8.67E-05	-0.27155	2.45E-09
0.00487	-0.19939	1.42E-05	0.024942	0.59083	-0.29401	9.15E-11	-0.3245	6.52E-13
0.00188	-0.02543	0.58353	-0.25197	3.39E-08	-0.34034	3.97E-14	-0.25861	1.43E-08
3.88E-07	-0.15418	0.00083	0.082777	0.07392	-0.29917	4.12E-11	-0.25888	1.37E-08
0.8664	-0.15715	0.00065	0.016576	0.72088	-0.1339	0.00374	-0.18487	5.84E-05
0.14807	-0.10326	0.02565	-0.19862	1.53E-05	-0.26424	6.70E-09	-0.27888	8.65E-10
9.87E-05	-0.20995	4.74E-06	-0.29968	3.81E-11	-0.51412	7.24E-33	-0.50437	1.67E-31
0.20169	-0.20252	1.03E-05	-0.20401	8.85E-06	-0.50033	5.94E-31	-0.4609	6.14E-26
1.45E-17	-0.01552	0.73803	-0.05161	0.26571	-0.25547	2.16E-08	-0.11932	0.00985
4.30E-11	-0.06203	0.18086	-0.12569	0.00654	-0.14997	0.00115	-0.10228	0.02709
0.17912	-0.23236	3.82E-07	-0.24069	1.40E-07	-0.52194	5.44E-34	-0.55354	7.58E-39
3.99E-05	-0.13861	0.00268	-0.18671	4.91E-05	-0.4278	3.33E-22	-0.36093	8.15E-16
1.24E-18	-0.04826	0.29801	-0.1709	0.00021	-0.25648	1.89E-08	-0.18579	5.36E-05
0.01745	-0.17792	0.00011	-0.22563	8.37E-07	-0.52022	9.65E-34	-0.48406	8.35E-29



0.64355	-0.04534	0.32824	-0.23373	3.25E-07	-0.31419	3.70E-12	-0.17057	0.00021
0.0029	-0.13122	0.00451	-0.19893	1.49E-05	-0.38811	3.08E-18	-0.33696	7.31E-14
5.31E-09	-0.01591	0.73158	0.157648	0.00063	0.183809	6.45E-05	0.12491	0.00688
0.12558	0.060087	0.19491	0.175041	0.00014	0.110449	0.01695	0.026236	0.57171
7.76E-17	0.071237	0.12423	-0.07018	0.12992	-0.18084	8.50E-05	-0.07057	0.12777
1.42E-37	0.031186	0.5014	-0.14485	0.0017	-0.25937	1.29E-08	-0.14586	0.00157
1.46E-07	0.058622	0.20604	-0.10849	0.01902	-0.20384	9.00E-06	-0.04673	0.3136
0.08877	0.181011	8.36E-05	0.308613	9.20E-12	0.491444	9.14E-30	0.447613	2.17E-24
0.00358	-0.28056	6.78E-10	-0.19284	2.72E-05	-0.48448	7.37E-29	-0.53488	6.44E-36
0.10395	-0.32073	1.24E-12	-0.1697	0.00023	-0.50533	1.23E-31	-0.58606	2.04E-44
0.01334	-0.0632	0.17272	-0.21334	3.29E-06	-0.26803	3.99E-09	-0.2631	7.81E-09
7.44E-07	-0.11408	0.01364	-0.17712	0.00012	-0.31323	4.34E-12	-0.29421	8.87E-11
0.11485	-0.07416	0.10947	-0.06287	0.17501	-0.31773	2.05E-12	-0.23165	4.16E-07
0.82768	-0.10367	0.02506	-0.32027	1.34E-12	-0.39526	6.51E-19	-0.36635	2.80E-16
0.00652	-0.22329	1.09E-06	-0.31202	5.29E-12	-0.52144	6.42E-34	-0.57794	5.75E-43
1.04E-13	-0.29641	6.33E-11	-0.24056	1.42E-07	-0.42007	2.17E-21	-0.55158	1.57E-38
0.34508	-0.18487	5.84E-05	-0.04702	0.31063	-0.32928	2.85E-13	-0.3901	2.01E-18
4.50E-10	-0.18081	8.52E-05	-0.19237	2.85E-05	-0.41482	7.57E-21	-0.44674	2.73E-24
0.00113	-0.1046	0.02378	-0.07235	0.11843	-0.30231	2.52E-11	-0.21277	3.50E-06
0.80997	-0.06926	0.13503	-0.29821	4.79E-11	-0.39187	1.37E-18	-0.29767	5.21E-11
0.08926	-0.01558	0.73709	-0.16922	0.00024	-0.34627	1.33E-14	-0.1984	1.57E-05
0.51338	-0.03386	0.46546	-0.17183	0.00019	-0.29081	1.49E-10	-0.22424	9.81E-07
0.02582	-0.12011	0.00938	0.003568	0.9387	-0.30795	1.02E-11	-0.287	2.63E-10
0.06651	-0.08762	0.0585	-0.17433	0.00015	-0.3002	3.51E-11	-0.28724	2.54E-10
0.64553	-0.1033	0.02559	-0.30183	2.72E-11	-0.45839	1.22E-25	-0.43591	4.41E-23
0.04746	-0.10263	0.02657	-0.07755	0.09414	-0.28043	6.92E-10	-0.2366	2.31E-07
5.48E-08	-0.21591	2.49E-06	-0.29106	1.43E-10	-0.48317	1.09E-28	-0.51013	2.65E-32
0.42747	-0.10891	0.01856	-0.06999	0.13094	-0.2066	6.75E-06	-0.22703	7.13E-07
0.37083	-0.10225	0.02714	-0.15767	0.00063	-0.26702	4.58E-09	-0.25061	4.04E-08
0.90258	-0.14699	0.00145	-0.23183	4.07E-07	-0.44573	3.55E-24	-0.44667	2.78E-24
4.79E-06	-0.07534	0.10394	-0.16519	0.00034	-0.25988	1.20E-08	-0.19898	1.48E-05
0.06414	-0.08302	0.07307	-0.04933	0.28738	-0.19015	3.54E-05	-0.18427	6.18E-05
0.67701	-0.06962	0.13305	-0.32445	6.58E-13	-0.35389	3.18E-15	-0.3177	2.06E-12
0.04553	-0.0386	0.40531	0.062479	0.1777	-0.17351	0.00016	-0.10451	0.02391
0.01547	-0.17651	0.00013	-0.21426	2.98E-06	-0.38361	8.05E-18	-0.37082	1.14E-16
0.04507	-0.08758	0.0586	-0.27109	2.61E-09	-0.2493	4.78E-08	-0.22365	1.05E-06
0.00072	-0.1749	0.00015	-0.34824	9.25E-15	-0.29678	5.98E-11	-0.33663	7.76E-14
0.36316	-0.12613	0.00635	-0.35502	2.56E-15	-0.36133	7.53E-16	-0.31669	2.44E-12
0.00481	-0.1351	0.00344	-0.04361	0.34703	-0.33744	6.70E-14	-0.30192	2.68E-11
0.17946	-0.0514	0.2676	-0.03521	0.44776	-0.24817	5.52E-08	-0.15837	0.00059
0.72954	-0.27265	2.10E-09	-0.18481	5.88E-05	-0.49843	1.07E-30	-0.59184	1.80E-45
0.00702	-0.20415	8.71E-06	-0.22914	5.58E-07	-0.34107	3.47E-14	-0.4048	7.69E-20
1.28E-05	-0.07008	0.13048	-0.13503	0.00346	-0.24131	1.30E-07	-0.16107	0.00048
5.31E-10	-0.14919	0.00122	-0.07458	0.10748	-0.38161	1.23E-17	-0.30863	9.18E-12
0.0002	-0.18961	3.72E-05	-0.3024	2.49E-11	-0.41526	6.82E-21	-0.38905	2.52E-18

0.00197	-0.33991	4.29E-14	-0.28493	3.58E-10	-0.54681	9.07E-38	-0.66777	1.33E-61
4.06E-12	-0.06402	0.16723	-0.17671	0.00012	-0.32534	5.64E-13	-0.20308	9.74E-06
0.5022	-0.10313	0.02583	-0.08606	0.06313	-0.39432	8.01E-19	-0.48847	2.24E-29
0.00025	-0.11876	0.01021	-0.19041	3.45E-05	-0.31029	7.01E-12	-0.32117	1.15E-12
1.96E-12	-0.00298	0.94875	-0.05702	0.2187	-0.18065	8.65E-05	-0.07141	0.12332
0.07692	-0.14031	0.00237	-0.03595	0.43835	-0.21539	2.64E-06	-0.27295	2.01E-09
3.91E-11	0.053905	0.24498	0.150536	0.0011	-0.02113	0.64884	0.138182	0.00277
0.33049	-0.09909	0.03229	-0.14199	0.0021	-0.26296	7.96E-09	-0.20667	6.70E-06
0.08971	-0.01472	0.75098	-0.0782	0.0914	-0.24233	1.15E-07	-0.17329	0.00017
0.00284	0.139922	0.00244	0.07823	0.09129	0.245082	8.14E-08	0.229983	5.06E-07
0.45313	-0.08591	0.06359	-0.06379	0.16878	-0.06421	0.16597	-0.0377	0.41635
9.93E-08	-0.05581	0.22871	-0.20834	5.62E-06	-0.25423	2.53E-08	-0.18936	3.82E-05
0.08131	0.025469	0.583	-0.12141	0.00863	-0.37407	5.88E-17	-0.30135	2.93E-11
0.75099	0.073227	0.11403	0.365174	3.53E-16	0.341795	3.04E-14	0.310854	6.40E-12
0.01103	-0.05579	0.22882	-0.18357	6.60E-05	-0.32069	1.25E-12	-0.289	1.96E-10
3.05E-06	-0.14622	0.00153	-0.21569	2.55E-06	-0.4491	1.47E-24	-0.4148	7.59E-21
1.58E-07	-0.0727	0.11667	-0.12788	0.00565	-0.38788	3.24E-18	-0.27581	1.34E-09
0.0549	-0.2008	1.23E-05	-0.20799	5.83E-06	-0.40616	5.63E-20	-0.47524	1.10E-27
6.67E-10	-0.21207	3.78E-06	-0.28042	6.92E-10	-0.50211	3.39E-31	-0.51065	2.24E-32
4.63E-13	-0.08431	0.0687	-0.1109	0.01651	-0.18565	5.43E-05	-0.20012	1.32E-05
0.69006	-0.22031	1.53E-06	-0.22841	6.07E-07	-0.51026	2.53E-32	-0.52647	1.18E-34
0.23796	-0.25723	1.71E-08	-0.25623	1.95E-08	-0.54321	3.34E-37	-0.57111	8.86E-42
2.47E-05	-0.04279	0.35619	-0.14008	0.00241	-0.38116	1.35E-17	-0.24357	9.82E-08
0.9011	-0.069	0.1365	-0.14273	0.00199	-0.30322	2.18E-11	-0.2044	8.49E-06
8.09E-14	0.040443	0.38321	-0.13061	0.0047	-0.21638	2.36E-06	-0.1084	0.01912
0.73853	0.20276	1.01E-05	-0.13917	0.00258	0.117672	0.01093	0.291051	1.43E-10
2.21E-09	-0.19511	2.18E-05	0.061434	0.18507	-0.20513	7.88E-06	-0.26607	5.22E-09
0.55983	-0.13422	0.00366	-0.25198	3.39E-08	-0.24036	1.46E-07	-0.2349	2.83E-07
0.2565	-0.20936	5.04E-06	-0.2944	8.63E-11	-0.39996	2.29E-19	-0.43513	5.38E-23
0.26336	0.117566	0.011	-0.11166	0.01578	0.083774	0.0705	0.087418	0.05907
0.14668	-0.24609	7.17E-08	-0.31604	2.72E-12	-0.50301	2.56E-31	-0.51204	1.42E-32
0.58645	-0.18878	4.03E-05	-0.16818	0.00026	-0.31093	6.32E-12	-0.36344	4.98E-16
0.03837	-0.09638	0.03733	-0.08417	0.06918	-0.14732	0.00141	-0.13645	0.00313
0.0208	-0.15153	0.00102	-0.05527	0.23326	-0.37739	2.96E-17	-0.39703	4.40E-19
0.07778	0.113792	0.01388	-0.04948	0.28599	-0.09973	0.03118	0.094603	0.041
0.30696	-0.10416	0.02439	0.088574	0.05578	-0.1225	0.00805	-0.18424	6.20E-05
0.67261	-0.09575	0.0386	-0.02332	0.61514	-0.29305	1.06E-10	-0.22349	1.07E-06
0.00017	0.016156	0.72767	-0.19291	2.70E-05	-0.17024	0.00022	-0.11422	0.01352
0.00222	-0.0946	0.041	-0.03104	0.50346	-0.25853	1.44E-08	-0.17219	0.00018
5.17E-09	-0.07916	0.0875	-0.04419	0.34071	-0.25708	1.74E-08	-0.17703	0.00012
0.94681	-0.10536	0.02278	-0.22532	8.68E-07	-0.34321	2.35E-14	-0.34132	3.32E-14
0.152	-0.08372	0.07066	0.033779	0.46647	-0.25048	4.11E-08	-0.16537	0.00033
0.60667	-0.23737	2.10E-07	-0.33866	5.38E-14	-0.46616	1.43E-26	-0.52166	5.97E-34
6.14E-20	-0.18839	4.19E-05	-0.31655	2.50E-12	-0.38005	1.70E-17	-0.43816	2.50E-23
3.72E-19	-0.1823	7.42E-05	-0.35593	2.15E-15	-0.4082	3.53E-20	-0.43254	1.03E-22

0.00155	-0.16529	0.00033	-0.3257	5.30E-13	-0.43664	3.67E-23	-0.42312	1.04E-21
4.04E-08	-0.20907	5.20E-06	-0.23353	3.33E-07	-0.32989	2.56E-13	-0.40566	6.32E-20
9.59E-05	0.076519	0.09862	0.159028	0.00056	0.379677	1.84E-17	0.326826	4.37E-13
0.00135	-0.00084	0.98562	-0.17289	0.00017	-0.30868	9.11E-12	-0.1802	9.01E-05
0.89535	-0.23504	2.78E-07	-0.28425	3.96E-10	-0.54835	5.16E-38	-0.56558	7.75E-41
0.29704	-0.23598	2.48E-07	-0.32003	1.39E-12	-0.51648	3.33E-33	-0.55833	1.25E-39
0.57349	-0.18491	5.82E-05	-0.16845	0.00026	-0.48706	3.42E-29	-0.46745	1.00E-26
0.02059	-0.04963	0.28445	-0.15235	0.00096	-0.32795	3.59E-13	-0.22376	1.04E-06
6.07E-10	0.161855	0.00045	0.087839	0.05786	0.296729	6.02E-11	0.253747	2.70E-08
6.07E-06	0.037258	0.42181	-0.05159	0.26585	-0.26219	8.84E-09	-0.10763	0.01999
1.42E-19	-0.13871	0.00266	-0.23206	3.96E-07	-0.39123	1.57E-18	-0.38933	2.37E-18
1.40E-09	-0.17827	0.00011	-0.19998	1.34E-05	-0.45017	1.11E-24	-0.45114	8.55E-25
1.40E-09	-0.15966	0.00053	-0.24728	6.17E-08	-0.39886	2.93E-19	-0.39978	2.38E-19
0.61229	-0.08868	0.05549	-0.04864	0.29423	-0.31386	3.91E-12	-0.24333	1.01E-07
0.02022	-0.00224	0.96152	-0.16259	0.00042	-0.1856	5.45E-05	-0.08632	0.06233
0.07325	-0.06158	0.18402	-0.26191	9.17E-09	-0.32963	2.68E-13	-0.33491	1.05E-13
8.86E-09	-0.07048	0.12828	-0.06159	0.18393	-0.34911	7.85E-15	-0.23586	2.52E-07
0.26407	0.012844	0.78191	-0.27427	1.67E-09	-0.28741	2.48E-10	-0.2157	2.55E-06
0.18344	-0.04477	0.33431	-0.21576	2.53E-06	-0.22556	8.44E-07	-0.25681	1.81E-08
0.01348	-0.02022	0.66303	-0.09517	0.0398	-0.21095	4.26E-06	-0.08822	0.05676
0.0112	-0.28957	1.79E-10	-0.30185	2.71E-11	-0.55101	1.94E-38	-0.61506	6.10E-50
0.97103	-0.03824	0.40968	-0.14891	0.00125	-0.30506	1.63E-11	-0.20469	8.24E-06
0.00014	0.043004	0.35379	-0.0551	0.23464	-0.17336	0.00017	-0.05681	0.22047
0.07027	-0.12899	0.00524	-0.07432	0.10872	-0.32574	5.27E-13	-0.24569	7.54E-08
0.24692	0.021968	0.63585	-0.17059	0.00021	-0.1523	0.00096	-0.14434	0.00176
2.87E-13	-0.02775	0.5497	-0.21716	2.17E-06	-0.31833	1.86E-12	-0.19235	2.86E-05
0.1276	-0.01698	0.71434	-0.13395	0.00373	-0.23603	2.47E-07	-0.20994	4.74E-06
3.52E-06	-0.1606	0.00049	0.109656	0.01777	-0.25946	1.27E-08	-0.27754	1.05E-09
1.13E-06	-0.12549	0.00662	-0.21279	3.50E-06	-0.33248	1.62E-13	-0.29823	4.77E-11
0.0016	-0.16849	0.00025	-0.16989	0.00023	-0.41224	1.38E-20	-0.38651	4.35E-18
0.18373	-0.14247	0.00203	-0.2031	9.71E-06	-0.30919	8.38E-12	-0.28653	2.82E-10
0.08687	-0.10537	0.02277	0.055212	0.23371	-0.1703	0.00022	-0.12107	0.00882
0.00038	-0.24543	7.79E-08	-0.04642	0.31685	-0.1338	0.00377	-0.23475	2.88E-07
0.663	-0.0878	0.05798	-0.1146	0.01321	-0.24083	1.38E-07	-0.22609	7.94E-07
0.00061	0.048038	0.30024	-0.21615	2.43E-06	-0.2282	6.22E-07	-0.06531	0.15882
0.06288	-0.15256	0.00094	-0.12135	0.00866	-0.28325	4.58E-10	-0.26995	3.06E-09
0.0041	-0.08554	0.06475	-0.19615	1.96E-05	-0.36693	2.49E-16	-0.3508	5.71E-15
0.00205	-0.17351	0.00016	-0.21735	2.13E-06	-0.36682	2.54E-16	-0.35168	4.84E-15
0.31562	0.008352	0.85714	0.129621	0.00502	-0.06214	0.18007	-0.0104	0.82265
0.00011	-0.12749	0.0058	-0.17874	0.0001	-0.45136	8.07E-25	-0.39769	3.80E-19
0.01189	-0.0441	0.34162	-0.18617	5.17E-05	-0.26001	1.18E-08	-0.26876	3.61E-09
0.80668	-0.21976	1.63E-06	-0.1547	0.0008	-0.4455	3.77E-24	-0.43017	1.86E-22
0.00014	-0.28385	4.19E-10	-0.31316	4.39E-12	-0.37565	4.24E-17	-0.52957	4.07E-35
0.0669	-0.04843	0.2963	-0.29701	5.77E-11	-0.36354	4.88E-16	-0.25511	2.26E-08
0.32708	-0.06036	0.19286	-0.21377	3.14E-06	-0.33097	2.12E-13	-0.29219	1.21E-10

1.05E-05	-0.36268	5.79E-16	-0.32581	5.20E-13	-0.55658	2.42E-39	-0.71055	5.45E-73
0.00098	-0.141	0.00226	0.011847	0.79847	-0.22185	1.29E-06	-0.30144	2.89E-11
0.01017	-0.08481	0.06708	-0.26802	3.99E-09	-0.32965	2.67E-13	-0.31191	5.39E-12
0.00112	0.037268	0.4217	0.115608	0.01242	0.300378	3.41E-11	0.243437	9.99E-08
0.03033	-0.17666	0.00012	-0.07956	0.0859	-0.12935	0.00512	-0.27147	2.47E-09
0.16355	-0.21452	2.90E-06	-0.12899	0.00524	-0.269	3.49E-09	-0.35519	2.48E-15
1.54E-10	0.054816	0.23709	0.006203	0.89364	-0.16684	0.00029	0.045836	0.32297
0.00014	-0.06947	0.13386	-0.10292	0.02614	-0.28507	3.51E-10	-0.24863	5.20E-08
0.21662	-0.201	1.20E-05	0.001141	0.98039	-0.32422	6.83E-13	-0.35748	1.60E-15
0.45648	-0.03002	0.51758	-0.28923	1.89E-10	-0.33599	8.69E-14	-0.24518	8.03E-08
0.15	0.055108	0.2346	-0.25705	1.75E-08	-0.24867	5.17E-08	-0.16144	0.00046
0.10201	-0.06344	0.17108	-0.18989	3.62E-05	-0.39724	4.20E-19	-0.33776	6.33E-14
5.08E-07	0.033774	0.46654	-0.08023	0.08327	-0.24484	8.39E-08	-0.12142	0.00863
0.03141	0.048558	0.29503	0.151548	0.00102	-0.04943	0.28646	0.095906	0.03829
9.93E-09	0.170382	0.00022	0.212289	3.69E-06	0.516947	2.86E-33	0.410729	1.97E-20
0.70075	0.084195	0.06909	0.056336	0.22432	-0.11457	0.01324	0.010241	0.82531
0.74344	0.266457	4.95E-09	0.316131	2.68E-12	0.464559	2.24E-26	0.521836	5.63E-34
0.00024	-0.12867	0.00536	-0.22049	1.50E-06	-0.45273	5.61E-25	-0.37678	3.36E-17
2.89E-09	-0.21557	2.58E-06	-0.32226	9.56E-13	-0.46921	6.09E-27	-0.52668	1.09E-34
0.06292	-0.09836	0.03358	-0.21271	3.53E-06	-0.27097	2.65E-09	-0.2306	4.70E-07
0.02471	-0.19929	1.43E-05	-0.25215	3.31E-08	-0.48986	1.48E-29	-0.48072	2.23E-28
0.03512	-0.25432	2.50E-08	-0.18618	5.16E-05	-0.51214	1.38E-32	-0.51957	1.20E-33
0.09388	-0.06198	0.18119	-0.0021	0.96391	-0.17341	0.00017	-0.18468	5.95E-05
5.46E-10	-0.00416	0.92852	-0.04593	0.32201	-0.23378	3.23E-07	-0.07782	0.09301
0.04196	0.176239	0.00013	0.063534	0.17047	0.276949	1.14E-09	0.269758	3.14E-09
0.35231	-0.13879	0.00265	-0.01032	0.82391	-0.32671	4.46E-13	-0.28096	6.40E-10
0.78889	-0.22535	8.64E-07	-0.15963	0.00053	-0.24293	1.06E-07	-0.29761	5.26E-11
6.41E-05	0.140302	0.00237	0.063678	0.1695	0.245969	7.28E-08	0.274994	1.51E-09
0.89288	-0.26444	6.52E-09	-0.27392	1.75E-09	-0.56945	1.71E-41	-0.58794	9.32E-45
9.70E-14	0.029106	0.53038	-0.06646	0.15159	-0.21669	2.28E-06	-0.01397	0.76326
0.53016	-0.16568	0.00032	-0.32383	7.31E-13	-0.49543	2.71E-30	-0.4615	5.21E-26
4.84E-06	-0.10272	0.02643	-0.0878	0.05797	-0.1623	0.00043	-0.16652	0.0003
0.26448	-0.17288	0.00017	-0.25423	2.53E-08	-0.50346	2.22E-31	-0.4391	1.97E-23
0.20787	-0.24816	5.52E-08	-0.33732	6.85E-14	-0.55519	4.09E-39	-0.5919	1.75E-45
0.00825	-0.15353	0.00087	-0.08787	0.05777	-0.2784	9.26E-10	-0.34047	3.87E-14
0.76222	-0.02875	0.53541	-0.13516	0.00343	-0.19419	2.38E-05	-0.11838	0.01045
4.76E-08	-0.09742	0.03532	-0.04736	0.30708	-0.32071	1.24E-12	-0.24118	1.32E-07
0.00054	0.019722	0.67077	-0.07684	0.09719	-0.23405	3.13E-07	-0.10284	0.02626
2.74E-05	-0.16677	0.00029	-0.23101	4.48E-07	-0.47967	3.03E-28	-0.41234	1.35E-20
5.00E-06	0.020648	0.65628	0.187689	4.48E-05	-0.06192	0.18163	0.061157	0.18707
0.00036	-0.16704	0.00029	-0.1148	0.01305	-0.3606	8.70E-16	-0.35666	1.87E-15
0.04535	-0.20036	1.29E-05	0.191124	3.22E-05	-0.23802	1.94E-07	-0.3253	5.69E-13
0.00024	-0.2191	1.75E-06	-0.18012	9.07E-05	-0.4926	6.43E-30	-0.55301	9.22E-39
1.00E-08	-0.06963	0.13294	-0.0398	0.39087	-0.30718	1.16E-11	-0.26049	1.11E-08
0.97855	-0.10044	0.02999	0.279681	7.70E-10	-0.13773	0.00286	-0.13193	0.00429

0.70004	-0.21174	3.91E-06	-0.20358	9.24E-06	-0.47972	2.99E-28	-0.46587	1.55E-26
9.30E-18	-0.11892	0.01011	-0.08499	0.0665	-0.26651	4.92E-09	-0.23869	1.79E-07
0.01649	-0.14807	0.00133	-0.10538	0.02276	-0.27787	1.00E-09	-0.34096	3.54E-14
0.28296	-0.2981	4.87E-11	-0.32454	6.47E-13	-0.56649	5.45E-41	-0.63894	6.08E-55
8.72E-06	-0.03966	0.39251	-0.07877	0.08906	-0.2849	3.59E-10	-0.21674	2.27E-06
1.57E-05	-0.17357	0.00016	-0.25204	3.36E-08	-0.42398	8.48E-22	-0.4328	9.66E-23
0.03734	-0.31687	2.37E-12	-0.27145	2.48E-09	-0.53586	4.56E-36	-0.61334	1.35E-49
1.02E-10	-0.03426	0.46011	-0.23241	3.80E-07	-0.2325	3.76E-07	-0.25396	2.62E-08
0.08625	0.109838	0.01758	-0.0123	0.79089	-0.1409	0.00227	0.013418	0.77242
0.28321	-0.1621	0.00044	-0.09261	0.04548	-0.28504	3.52E-10	-0.30562	1.49E-11
0.25524	-0.19933	1.43E-05	-0.07516	0.10476	-0.21996	1.59E-06	-0.31843	1.83E-12
0.38459	-0.22562	8.38E-07	-0.07128	0.12402	-0.42337	9.83E-22	-0.48969	1.55E-29
0.01049	-0.03166	0.49489	-0.08317	0.07256	-0.25007	4.33E-08	-0.18732	4.64E-05
0.80494	-0.05014	0.27952	-0.23807	1.93E-07	-0.34895	8.09E-15	-0.22666	7.44E-07
0.00898	-0.10707	0.02065	-0.2156	2.57E-06	-0.31226	5.08E-12	-0.28331	4.55E-10
0.01165	-0.07801	0.09222	-0.18361	6.57E-05	-0.34636	1.31E-14	-0.24475	8.48E-08
0.13789	-0.10488	0.02341	-0.07509	0.10508	-0.34487	1.73E-14	-0.24715	6.27E-08
0.02471	-0.2525	3.17E-08	-0.26064	1.09E-08	-0.47983	2.90E-28	-0.53262	1.41E-35
0.04382	-0.12825	0.00551	-0.19668	1.86E-05	-0.31336	4.24E-12	-0.27982	7.55E-10
0.00014	-0.08281	0.07381	-0.21081	4.32E-06	-0.34522	1.62E-14	-0.2255	8.50E-07
0.55506	0.032233	0.48714	0.041669	0.36895	0.22863	5.92E-07	0.282604	5.04E-10
0.11633	0.111462	0.01596	0.228293	6.16E-07	0.237094	2.17E-07	0.271084	2.61E-09
0.00036	-0.09382	0.0427	-0.0646	0.16342	-0.3435	2.23E-14	-0.22979	5.17E-07
0.59864	-0.01983	0.669	-0.20086	1.22E-05	-0.21333	3.30E-06	-0.12694	0.00602
0.93612	-0.13999	0.00243	-0.1705	0.00021	-0.37344	6.69E-17	-0.3887	2.71E-18
0.0014	0.057067	0.21835	-0.10482	0.02349	-0.14179	0.00213	0.031902	0.49163
0.24942	-0.08858	0.05576	-0.08166	0.07791	-0.28227	5.29E-10	-0.24645	6.85E-08
8.91E-08	0.106273	0.02162	0.330253	2.40E-13	0.263166	7.75E-09	0.277547	1.05E-09
4.88E-05	-0.16871	0.00025	-0.03332	0.47256	-0.37834	2.43E-17	-0.32791	3.62E-13
6.30E-08	-0.21455	2.89E-06	-0.19709	1.79E-05	-0.36861	1.78E-16	-0.45325	4.88E-25
0.02834	-0.09103	0.04929	-0.20541	7.65E-06	-0.29495	7.92E-11	-0.223	1.13E-06
0.00463	-0.11645	0.01179	-0.12502	0.00683	-0.38581	5.04E-18	-0.29338	1.01E-10
1.25E-09	-0.13592	0.00325	-0.11539	0.01259	-0.38978	2.15E-18	-0.34899	8.04E-15
0.90383	-0.11924	0.00991	-0.25713	1.73E-08	-0.34863	8.59E-15	-0.31983	1.44E-12
0.50776	-0.14088	0.00228	-0.01857	0.68892	-0.27334	1.90E-09	-0.19739	1.73E-05
4.21E-06	-0.01966	0.67177	-0.14772	0.00137	-0.16984	0.00023	-0.18051	8.76E-05
0.01326	-0.19728	1.75E-05	-0.26526	5.83E-09	-0.43915	1.94E-23	-0.46451	2.27E-26
0.25449	-0.21408	3.04E-06	-0.24896	4.99E-08	-0.42728	3.78E-22	-0.43766	2.84E-23
0.00175	-0.13808	0.00279	-0.07335	0.11342	-0.23426	3.05E-07	-0.18452	6.04E-05
0.02947	-0.01991	0.66784	-0.17002	0.00022	-0.21266	3.55E-06	-0.10407	0.02451
0.00015	-0.16288	0.00041	-0.13483	0.00351	-0.32063	1.26E-12	-0.35908	1.17E-15
0.43434	-0.07602	0.10083	-0.0898	0.05245	-0.29442	8.60E-11	-0.21565	2.56E-06
0.60731	-0.08498	0.06652	-0.2134	3.27E-06	-0.26512	5.94E-09	-0.22577	8.24E-07
8.27E-21	0.022008	0.63523	-0.16575	0.00032	-0.18675	4.90E-05	-0.06416	0.16631
0.00124	0.0305	0.51086	0.118162	0.0106	0.29337	1.01E-10	0.163036	0.0004

0.00117	-0.03464	0.45521	-0.14841	0.0013	-0.17121	0.0002	-0.12714	0.00594
9.65E-06	-0.15767	0.00063	-0.16955	0.00023	-0.22985	5.14E-07	-0.25761	1.63E-08
1.31E-10	0.112862	0.01468	0.033697	0.46757	0.216118	2.43E-06	0.205652	7.46E-06
4.34E-12	-0.04315	0.3522	0.077235	0.0955	-0.18069	8.61E-05	-0.08749	0.05885
1.41E-38	-0.01575	0.73426	-0.06248	0.17771	-0.23299	3.55E-07	-0.1296	0.00503
0.00046	-0.0792	0.08732	-0.0704	0.12874	-0.32032	1.33E-12	-0.24952	4.65E-08
0.00655	-0.14239	0.00204	-0.00472	0.91889	-0.25714	1.73E-08	-0.19448	2.32E-05
4.76E-14	0.065324	0.15872	-0.04686	0.3123	-0.1458	0.00158	-0.00334	0.94256
6.21E-05	-0.02226	0.63131	-0.21908	1.75E-06	-0.25801	1.54E-08	-0.16611	0.00031
3.88E-08	-0.01062	0.81888	-0.01998	0.66671	-0.2151	2.72E-06	-0.10406	0.02452
0.6491	-0.01285	0.78176	-0.01988	0.66831	-0.21753	2.08E-06	-0.0345	0.45703
2.36E-16	-0.07748	0.09446	-0.17632	0.00013	-0.37509	4.76E-17	-0.29245	1.16E-10
5.94E-09	-0.02486	0.59201	-0.10138	0.02848	-0.19315	2.64E-05	-0.10672	0.02107
0.0608	0.102267	0.02711	0.09661	0.03688	0.183099	6.89E-05	0.223418	1.08E-06
0.61152	-0.01999	0.66657	-0.09141	0.04834	-0.27675	1.17E-09	-0.17078	0.00021
0.47657	-0.26733	4.39E-09	-0.21582	2.51E-06	-0.3526	4.06E-15	-0.39428	8.07E-19
0.0001	-0.12696	0.00601	-0.07976	0.08513	-0.35185	4.68E-15	-0.3021	2.60E-11
0.05848	-0.31797	1.97E-12	-0.26769	4.18E-09	-0.57119	8.58E-42	-0.64954	2.63E-57
2.04E-07	-0.00049	0.99155	-0.20858	5.48E-06	-0.23117	4.40E-07	-0.17578	0.00013
9.80E-10	0.060453	0.19221	-0.0186	0.68845	-0.01082	0.81555	0.071615	0.12224
0.87917	-0.02493	0.59098	0.020211	0.66311	-0.116	0.01212	-0.06462	0.16326
9.21E-15	-0.11994	0.00948	0.296196	6.54E-11	0.196056	1.98E-05	0.036502	0.4313
9.35E-17	-0.04767	0.30398	-0.13649	0.00312	-0.18283	7.07E-05	-0.11814	0.01061
0.00297	-0.02004	0.66571	-0.11264	0.01488	-0.02292	0.62122	-0.04629	0.31817
6.34E-08	0.038276	0.40923	-0.00155	0.97335	-0.0156	0.73662	0.067587	0.14475
9.66E-05	-0.0673	0.1465	-0.09481	0.04055	-0.05043	0.27678	-0.11733	0.01117
7.15E-35	0.096328	0.03744	0.068244	0.14088	0.081578	0.07822	0.207779	5.97E-06
1.69E-11	0.068925	0.13695	-0.03089	0.5054	-0.00371	0.93623	0.075985	0.101
7.99E-19	0.042965	0.35423	0.0767	0.09782	0.125464	0.00663	0.164863	0.00035
3.91E-18	0.014669	0.75187	0.123279	0.00765	0.102032	0.02747	0.141072	0.00225
2.66E-34	0.118168	0.0106	0.09536	0.03941	0.049962	0.28128	0.161471	0.00046
5.81E-10	0.0825	0.0749	0.01828	0.69358	0.074591	0.10743	0.166031	0.00031
8.30E-08	0.093627	0.04314	-0.00963	0.83564	0.076847	0.09718	0.228602	5.94E-07
1.02E-12	-0.13365	0.00381	-0.19382	2.47E-05	-0.23788	1.98E-07	-0.30627	1.34E-11
1.35E-11	0.17265	0.00018	0.144746	0.00171	0.200928	1.21E-05	0.38186	1.17E-17
0.00025	0.081125	0.07989	-0.06587	0.15527	0.066133	0.15362	0.038184	0.41036
4.66E-15	-0.12373	0.00743	0.020068	0.66533	-0.18934	3.82E-05	-0.22749	6.76E-07
4.25E-08	-0.13052	0.00473	0.088852	0.05502	0.031465	0.49757	-0.14665	0.00148
2.69E-46	0.184968	5.79E-05	0.135477	0.00335	0.170678	0.00021	0.349375	7.47E-15
3.16E-46	0.13775	0.00285	0.053138	0.25177	0.005569	0.90446	0.210237	4.60E-06
1.44E-14	0.107037	0.02069	-0.03129	0.49997	0.018305	0.69318	0.193678	2.51E-05
2.44E-24	0.28419	3.99E-10	0.281939	5.55E-10	0.371621	9.68E-17	0.585266	2.85E-44
3.35E-08	0.09872	0.03294	-0.00168	0.97112	-0.00579	0.90072	0.156639	0.00068
3.05E-13	0.131827	0.00432	0.002596	0.95539	0.102509	0.02675	0.257374	1.68E-08
4.54E-12	0.026469	0.5683	-0.1152	0.01273	-0.06299	0.17414	0.015947	0.73106

8.67E-05	0.138045	0.00279	-0.04954	0.28538	0.043416	0.34919	0.176966	0.00012
9.99E-09	-0.07539	0.10371	-0.20398	8.87E-06	-0.20943	5.01E-06	-0.16302	0.0004
3.62E-15	0.126994	0.00599	-0.03776	0.4156	0.020568	0.65753	0.169779	0.00023
8.92E-24	0.078712	0.08931	-0.16574	0.00032	-0.152	0.00098	0.003243	0.94428
2.39E-13	0.134986	0.00347	0.077764	0.09324	0.192381	2.85E-05	0.265404	5.72E-09
2.61E-19	0.160743	0.00049	0.089944	0.05208	0.055818	0.22861	0.210991	4.24E-06
2.25E-18	0.139077	0.00259	0.233321	3.41E-07	0.421236	1.64E-21	0.450567	9.96E-25
1.83E-23	0.070751	0.12682	-0.14401	0.00181	-0.00541	0.90714	0.065393	0.15828
3.27E-19	-0.01506	0.74546	-0.20037	1.28E-05	-0.1798	9.34E-05	-0.09835	0.0336
7.38E-07	-0.09712	0.03589	-0.03249	0.4837	-0.18324	6.80E-05	-0.16001	0.00052
2.82E-21	-0.04058	0.38154	-0.0339	0.46488	-0.10536	0.02277	-0.03522	0.44772
7.88E-32	0.124477	0.00708	0.01442	0.75596	0.058709	0.20537	0.201475	1.15E-05
5.39E-12	0.01252	0.78728	-0.05103	0.27108	-0.0348	0.45308	0.0149	0.7481
1.24E-24	0.10278	0.02635	-0.03272	0.48056	0.02442	0.59862	0.151853	0.001
3.46E-05	-0.02807	0.54517	-0.08001	0.08413	-0.10981	0.0176	-0.10364	0.02511
2.07E-32	0.078115	0.09177	0.132967	0.004	0.050237	0.27863	0.192278	2.88E-05
0.00316	-0.00792	0.86446	-0.04919	0.28881	-0.01636	0.72433	0.050314	0.27789
2.84E-05	0.025061	0.58905	-0.17527	0.00014	-0.10816	0.01939	-0.07863	0.08966
1.41E-09	-0.05106	0.27079	-0.04223	0.36254	-0.17093	0.00021	-0.11054	0.01686
2.79E-16	0.022526	0.62728	0.073821	0.11112	-0.01132	0.80725	0.103432	0.0254
5.99E-18	0.172999	0.00017	0.089611	0.05297	0.150493	0.00111	0.337926	6.14E-14
4.78E-25	0.018838	0.68472	-0.04821	0.29855	-0.09769	0.03482	0.012809	0.78249
9.12E-14	0.097475	0.03522	-0.04241	0.36049	-0.02692	0.56178	0.131394	0.00445
5.14E-19	0.006093	0.89551	-0.09159	0.04792	-0.01519	0.74333	0.052287	0.25945
1.65E-11	0.173194	0.00017	0.185507	5.50E-05	0.278715	8.85E-10	0.380805	1.45E-17
1.29E-22	0.184512	6.04E-05	0.10013	0.03051	0.249746	4.51E-08	0.407854	3.82E-20
0.00033	0.004845	0.91684	-0.13418	0.00367	-0.05161	0.26573	-0.03135	0.49918
1.43E-24	0.111735	0.0157	0.132874	0.00402	0.140769	0.0023	0.254919	2.31E-08
0.00071	-0.07872	0.08926	0.009449	0.83863	-0.02959	0.52356	-0.14085	0.00228
1.19E-18	0.130687	0.00467	0.157444	0.00064	0.113154	0.01442	0.280075	7.28E-10
1.59E-09	0.052522	0.25732	-0.07039	0.12875	-0.10624	0.02167	0.094291	0.04168
2.02E-20	0.182113	7.56E-05	0.127089	0.00596	0.145581	0.00161	0.306583	1.28E-11
2.15E-08	0.019067	0.68108	-0.01458	0.75331	-0.08319	0.0725	0.017387	0.70785
1.05E-50	0.036672	0.42916	0.064676	0.1629	-0.0501	0.27997	0.09964	0.03133
2.51E-05	0.183639	6.56E-05	0.064649	0.16308	0.123797	0.0074	0.234055	3.13E-07
9.28E-24	0.142649	0.002	0.208898	5.30E-06	0.137249	0.00296	0.285121	3.48E-10
1.76E-45	0.084315	0.06869	0.087108	0.05998	0.042082	0.36422	0.106759	0.02103
1.10E-12	0.199406	1.42E-05	0.068149	0.14144	0.179094	9.97E-05	0.322328	9.45E-13
0.00558	0.201083	1.19E-05	0.079567	0.08588	0.132294	0.00419	0.283914	4.16E-10
2.35E-06	-0.07541	0.10363	0.074436	0.10816	0.082466	0.07502	-0.04148	0.37108
1.69E-09	-0.07708	0.09616	-0.15025	0.00113	-0.152	0.00098	-0.18272	7.14E-05
2.14E-09	-0.03102	0.50367	-0.04698	0.31099	-0.08928	0.05385	-0.0985	0.03333
1.47E-08	0.115294	0.01266	0.07791	0.09263	0.007798	0.86652	0.180623	8.67E-05
3.67E-13	-0.20248	1.04E-05	-0.05048	0.27634	-0.14829	0.00131	-0.32401	7.09E-13
1.35E-23	0.065304	0.15885	0.056009	0.22702	-0.01939	0.67604	0.096548	0.03701

3.75E-21	0.054116	0.24314	0.092869	0.04487	0.090802	0.04987	0.154077	0.00084
1.08E-11	-0.06777	0.14368	-0.12475	0.00695	-0.12186	0.00838	-0.13625	0.00318
3.94E-64	0.117565	0.011	0.130346	0.00478	0.094622	0.04096	0.191669	3.05E-05
9.05E-17	0.066047	0.15415	0.082943	0.07334	0.027752	0.54968	0.177342	0.00012
4.54E-20	0.101888	0.02769	0.104817	0.0235	0.048736	0.29326	0.220134	1.56E-06
3.75E-15	0.050604	0.27513	0.022211	0.63211	-0.08359	0.07112	0.057269	0.21672
8.10E-09	0.097051	0.03603	0.036706	0.42874	0.035915	0.43876	0.20875	5.38E-06
3.32E-12	0.05003	0.28062	-0.13009	0.00487	-0.12208	0.00826	0.029699	0.52203
4.76E-33	0.092649	0.04538	0.123257	0.00766	0.124985	0.00684	0.207921	5.88E-06
1.60E-21	0.070708	0.12705	0.066132	0.15362	0.025446	0.58334	0.148547	0.00128
1.45E-18	0.107151	0.02056	-0.04993	0.28155	-0.0202	0.6632	0.173618	0.00016
1.71E-07	0.24884	5.06E-08	0.033739	0.467	0.175033	0.00014	0.368419	1.85E-16
2.49E-11	0.014234	0.759	-0.13231	0.00418	-0.20476	8.18E-06	-0.07357	0.11236
1.03E-17	0.156771	0.00067	-0.0058	0.90046	0.112454	0.01504	0.189805	3.65E-05
3.30E-21	-0.00963	0.83552	-0.11504	0.01286	-0.09738	0.03539	-0.00789	0.86496
1.85E-10	0.092649	0.04538	-0.05009	0.28006	-0.02692	0.56179	0.076769	0.09752
8.89E-06	0.096925	0.03627	-0.08786	0.05781	0.01711	0.71228	0.076535	0.09855
4.88E-15	0.174481	0.00015	0.240554	1.43E-07	0.218091	1.96E-06	0.435978	4.34E-23
1.48E-28	0.093621	0.04316	0.052354	0.25885	0.07432	0.10872	0.193839	2.47E-05
5.02E-18	0.187577	4.52E-05	0.129661	0.00501	0.040692	0.38028	0.159115	0.00056
1.37E-17	0.124378	0.00712	0.023717	0.6092	-0.06234	0.17866	0.124796	0.00693
0.03206	0.16939	0.00024	0.136717	0.00307	0.168961	0.00024	0.353865	3.19E-15
3.95E-15	0.093286	0.04391	0.060901	0.18893	-0.07418	0.10938	0.11014	0.01726
1.09E-17	0.023891	0.60656	-0.12244	0.00808	-0.03673	0.42841	0.051937	0.26267
1.48E-19	0.11913	0.00997	-0.06354	0.17044	-0.02159	0.64164	0.133062	0.00397
3.34E-09	0.078371	0.09071	-0.1421	0.00208	-0.10742	0.02024	0.045448	0.32708
4.59E-16	0.011804	0.79918	0.011901	0.79756	-0.01922	0.67875	0.081351	0.07905
2.49E-13	0.007661	0.86886	-0.13404	0.00371	-0.18053	8.74E-05	-0.07877	0.08909
4.13E-15	0.203105	9.71E-06	0.022538	0.62711	0.149336	0.00121	0.341945	2.96E-14
1.99E-08	0.003958	0.93202	-0.02213	0.63328	-0.02693	0.5616	0.075905	0.10136
2.89E-09	0.068102	0.14171	0.008086	0.86164	-0.03783	0.41468	0.089167	0.05415
2.04E-09	0.153141	0.0009	0.122291	0.00816	0.195224	2.15E-05	0.29308	1.05E-10
2.43E-23	0.143296	0.00191	-0.08572	0.0642	-0.0338	0.46625	0.141023	0.00225
5.66E-40	0.055737	0.22929	0.109443	0.01799	-0.04523	0.32945	0.068713	0.13816
2.93E-06	0.172129	0.00019	-0.08539	0.06521	0.139124	0.00259	0.277452	1.06E-09
4.01E-16	0.06043	0.19237	-0.09017	0.05148	-0.03454	0.45647	0.056494	0.22302
2.66E-06	0.112118	0.01535	-0.06089	0.18901	0.014679	0.75171	0.163202	0.0004
3.52E-25	0.105655	0.0224	-0.01645	0.72287	-0.1017	0.02798	0.084574	0.06785
3.38E-16	0.020388	0.66034	-0.07369	0.11174	-0.18133	8.12E-05	-0.09001	0.05192
0.01821	0.181394	8.07E-05	-0.07879	0.08898	0.022447	0.6285	0.207139	6.38E-06
4.40E-36	0.166733	0.0003	0.083987	0.06978	0.092565	0.04558	0.282569	5.06E-10
4.50E-08	-0.03118	0.50147	-0.12674	0.0061	-0.09768	0.03484	-0.03336	0.47199
1.77E-15	0.158761	0.00057	0.139077	0.00259	0.159928	0.00052	0.32898	3.00E-13
3.06E-14	0.024075	0.6038	-0.0418	0.36743	-0.1824	7.36E-05	-0.08343	0.07165
4.75E-16	0.060543	0.19154	-0.00942	0.83912	0.060278	0.19349	0.120524	0.00913



1.19E-13	0.071375	0.1235	-0.02764	0.55123	0.007788	0.86669	0.105333	0.02282
0.00054	0.062839	0.17521	-0.10749	0.02016	0.018991	0.68229	0.092808	0.04501
7.11E-29	0.053582	0.24783	0.02098	0.65111	-0.12558	0.00658	0.031951	0.49095
1.04E-11	-0.03543	0.44494	-0.06624	0.15293	-0.11512	0.01279	-0.08191	0.07701
7.63E-48	0.085071	0.06624	0.132987	0.00399	0.063826	0.16851	0.202476	1.04E-05
6.09E-40	0.209802	4.81E-06	0.183828	6.44E-05	0.276758	1.17E-09	0.418634	3.06E-21
1.87E-23	0.149659	0.00118	0.148217	0.00132	0.150517	0.0011	0.318119	1.92E-12
8.30E-43	0.185496	5.51E-05	0.028529	0.53857	0.10271	0.02645	0.293255	1.03E-10
6.17E-06	0.092114	0.04665	0.137254	0.00296	0.138144	0.00277	0.243106	1.04E-07
3.71E-11	-0.0535	0.24854	-0.12093	0.0089	-0.11666	0.01164	-0.08915	0.05421
7.52E-05	0.184066	6.30E-05	0.130868	0.00462	0.28051	6.83E-10	0.459475	9.07E-26
3.80E-39	0.11068	0.01672	0.11264	0.01488	0.12153	0.00856	0.222167	1.24E-06
1.57E-19	0.250062	4.33E-08	0.089054	0.05446	0.242311	1.15E-07	0.398842	2.94E-19
7.39E-11	0.075624	0.10264	0.081168	0.07973	0.076531	0.09857	0.16243	0.00042
5.25E-06	0.048653	0.29408	-0.04382	0.34472	-0.06732	0.14633	0.065459	0.15786
2.10E-08	-0.05053	0.27584	-0.16084	0.00048	-0.14137	0.0022	-0.08727	0.05949
1.06E-05	-0.01352	0.77068	-0.1767	0.00012	-0.12536	0.00668	-0.08088	0.08082
2.45E-22	0.116242	0.01194	0.013097	0.77772	0.062987	0.17419	0.201342	1.16E-05
1.82E-21	-0.14743	0.0014	-0.11147	0.01596	-0.07934	0.08677	-0.28724	2.54E-10
1.33E-07	0.098057	0.03414	-0.03416	0.46149	-0.07498	0.10562	0.119248	0.0099
7.16E-11	0.011166	0.80981	-0.0713	0.12388	-0.09273	0.04519	-0.02017	0.66372
4.04E-08	0.125588	0.00658	-0.05619	0.22553	-0.08507	0.06623	0.113455	0.01416
6.88E-23	0.059863	0.19658	0.130862	0.00462	0.125844	0.00647	0.248543	5.26E-08
2.95E-27	0.095421	0.03928	0.002426	0.95831	-0.03822	0.40989	0.106085	0.02186
3.00E-17	0.211784	3.90E-06	0.146564	0.00149	0.203705	9.13E-06	0.39856	3.13E-19
4.29E-19	0.173474	0.00016	0.140759	0.0023	0.239559	1.61E-07	0.361406	7.43E-16
2.99E-15	0.224739	9.27E-07	0.170298	0.00022	0.178799	0.0001	0.409477	2.63E-20
1.07E-14	0.103638	0.02511	-0.01024	0.82527	0.130628	0.00469	0.174915	0.00015
7.06E-32	0.023922	0.6061	-0.08573	0.06417	-0.20933	5.06E-06	-0.03734	0.42078
4.47E-20	0.079454	0.08632	0.069037	0.13631	0.035848	0.4396	0.102627	0.02658
1.52E-15	0.062742	0.17588	-0.00313	0.9462	-0.07958	0.08581	0.085967	0.06342
5.36E-21	0.154863	0.00079	0.019956	0.66709	0.086646	0.06135	0.253711	2.71E-08
0.00069	0.074794	0.10648	-0.01886	0.68439	0.00938	0.83978	0.12493	0.00687
2.22E-08	0.057243	0.21693	-0.19289	2.71E-05	-0.12311	0.00773	-0.01908	0.68093
7.18E-09	0.11609	0.01206	0.111136	0.01628	0.123988	0.00731	0.260933	1.05E-08
3.69E-07	0.124037	0.00728	0.117855	0.01081	0.134771	0.00352	0.285811	3.14E-10
1.67E-08	0.006067	0.89597	0.04855	0.29511	0.000412	0.99292	0.101829	0.02778
2.03E-10	0.093478	0.04348	-0.00453	0.92216	0.033812	0.46605	0.176209	0.00013
5.33E-18	0.113975	0.01372	0.065617	0.15686	0.159862	0.00052	0.371371	1.02E-16
2.07E-53	0.086125	0.06294	0.039463	0.39486	0.048361	0.29699	0.126449	0.00621
1.03E-10	0.10282	0.02629	-0.02939	0.52635	0.003415	0.94133	0.144437	0.00175
5.93E-14	-0.08964	0.05289	0.027279	0.55651	-0.04401	0.34261	-0.11809	0.01065
4.18E-33	0.173826	0.00016	0.15764	0.00063	0.188631	4.09E-05	0.339856	4.33E-14
4.03E-14	0.149916	0.00116	0.05876	0.20497	0.030491	0.51099	0.238307	1.88E-07
1.52E-14	0.016031	0.72969	-0.02392	0.60607	-0.05029	0.27816	0.044547	0.33677

1.61E-23	0.107184	0.02052	-0.08069	0.08151	-0.05514	0.23428	0.128024	0.00559
4.98E-10	0.092764	0.04511	0.06588	0.1552	0.116152	0.01201	0.180058	9.13E-05
1.29E-05	0.085425	0.06511	-0.06445	0.1644	0.007884	0.86508	0.058246	0.20897
6.37E-10	0.048857	0.29206	-0.02201	0.63525	0.152164	0.00097	0.191377	3.14E-05
7.47E-34	0.15211	0.00098	-0.03975	0.39145	0.014939	0.74746	0.234985	2.80E-07
4.32E-13	-0.01775	0.70207	-0.19953	1.40E-05	-0.18901	3.94E-05	-0.09569	0.03873
1.02E-08	0.030464	0.51136	0.056702	0.22131	-0.02732	0.5559	0.13016	0.00484
5.78E-10	-0.02207	0.63421	-0.11943	0.00979	-0.08923	0.05399	-0.08888	0.05495
4.93E-35	0.005556	0.90468	-0.02241	0.62906	-0.14246	0.00203	-0.03209	0.48904
6.47E-26	0.154052	0.00084	0.115646	0.01239	0.099714	0.03121	0.321524	1.08E-12
9.29E-18	0.200482	1.27E-05	0.207408	6.20E-06	0.283025	4.74E-10	0.448268	1.83E-24
1.09E-10	0.032943	0.47759	-0.00596	0.89776	0.055109	0.23458	0.11118	0.01623
1.75E-12	0.008582	0.85325	-0.16655	0.0003	-0.18311	6.89E-05	-0.06333	0.17188
6.14E-08	0.204268	8.61E-06	0.049156	0.28912	0.15901	0.00056	0.327586	3.83E-13
2.10E-19	0.06957	0.1333	0.017208	0.71071	-0.00109	0.98129	0.150378	0.00112
8.17E-05	0.078636	0.08962	0.010299	0.82434	0.188008	4.34E-05	0.230166	4.95E-07
1.87E-28	-0.06827	0.14073	-0.05631	0.22452	-0.20161	1.13E-05	-0.12657	0.00616
4.69E-23	0.108825	0.01865	-0.04429	0.33962	0.067714	0.144	0.210472	4.48E-06
1.61E-23	0.173457	0.00017	0.03707	0.42417	0.053786	0.24603	0.19974	1.37E-05
7.66E-23	0.042894	0.35502	0.07875	0.08915	0.097547	0.03508	0.203991	8.86E-06
5.22E-08	-0.08843	0.05618	-0.10327	0.02563	-0.18324	6.81E-05	-0.16657	0.0003
1.81E-21	0.009709	0.83424	0.053842	0.24554	-0.08688	0.06067	0.066077	0.15397
1.63E-18	0.062944	0.17449	0.022812	0.62292	-0.02073	0.655	0.126593	0.00616
0.74296	0.191538	3.09E-05	-0.03318	0.47441	0.099397	0.03175	0.308808	8.92E-12
1.07E-08	-0.00515	0.91167	-0.13146	0.00443	-0.22381	1.03E-06	-0.08636	0.06223
4.08E-13	0.109687	0.01773	-0.04391	0.3437	0.019752	0.6703	0.131501	0.00442
1.59E-17	-0.0179	0.69962	0.139153	0.00258	-0.01454	0.75393	0.035365	0.4458
1.83E-05	-0.00491	0.91571	-0.04277	0.35642	-0.12113	0.00879	-0.0246	0.59591
1.80E-11	-0.13391	0.00374	-0.20504	7.94E-06	-0.1803	8.92E-05	-0.18735	4.62E-05
7.48E-56	0.126563	0.00617	-0.00708	0.87874	-0.03975	0.39148	0.135583	0.00333
3.61E-10	0.047151	0.30926	0.083917	0.07002	0.104639	0.02373	0.141523	0.00217
1.05E-14	-0.03787	0.41417	-0.02946	0.52536	-0.1405	0.00234	-0.00312	0.94631
2.33E-26	0.075811	0.10179	-0.13725	0.00296	-0.08616	0.06281	0.051912	0.2629
3.10E-18	0.098128	0.03401	-0.01257	0.78641	-0.05434	0.24119	0.11099	0.01642
5.49E-14	0.009757	0.83344	-0.1213	0.00869	-0.12999	0.0049	-0.02493	0.591
3.37E-18	0.096784	0.03654	0.095914	0.03827	-0.01115	0.81014	0.127158	0.00593
2.54E-10	0.081792	0.07744	-0.14076	0.0023	-0.14139	0.00219	0.010671	0.81809
6.93E-20	0.065607	0.15692	0.07146	0.12305	-0.02907	0.5309	0.114085	0.01363
1.68E-31	0.111389	0.01603	0.060559	0.19142	0.022355	0.6299	0.212622	3.56E-06
0.25721	0.013545	0.77033	-0.10967	0.01775	-0.21038	4.53E-06	-0.11406	0.01365
1.90E-14	-0.03688	0.4265	-0.0491	0.28967	-0.11822	0.01056	-0.07001	0.13088
0.00028	-0.00919	0.84295	0.013067	0.77822	-0.02246	0.62822	0.013298	0.7744
0.00115	0.007664	0.8688	-0.05609	0.22638	-0.11764	0.01095	0.029354	0.52687
5.85E-20	0.187296	4.65E-05	0.071597	0.12233	0.150723	0.00109	0.303703	2.02E-11
1.14E-08	0.155901	0.00072	0.022503	0.62763	0.116942	0.01144	0.258576	1.43E-08

1.43E-19	0.103519	0.02528	-0.0319	0.49162	-0.00334	0.94258	0.172962	0.00017
6.37E-22	0.078595	0.08979	-0.12335	0.00762	-0.08566	0.06437	0.080162	0.08355
9.18E-18	0.184663	5.96E-05	0.103677	0.02506	0.176511	0.00013	0.347736	1.02E-14
3.89E-10	0.201558	1.14E-05	0.060404	0.19257	0.163331	0.00039	0.234866	2.84E-07
1.50E-23	0.176953	0.00012	0.080966	0.08049	0.201901	1.10E-05	0.390826	1.72E-18
5.52E-12	-0.05379	0.24602	-0.0847	0.06745	-0.04712	0.30954	-0.07117	0.12459
3.86E-83	0.05516	0.23415	0.003843	0.934	-0.14075	0.0023	0.000997	0.98286
7.09E-16	0.063953	0.16767	-0.06342	0.17126	-0.10623	0.02167	0.06453	0.16385
5.46E-45	0.088988	0.05464	0.070347	0.12901	0.01635	0.72454	0.112781	0.01475
2.31E-06	0.006828	0.883	0.001485	0.97447	-0.01376	0.76686	0.099412	0.03172
4.37E-69	0.100661	0.02963	-0.01564	0.73609	-0.00782	0.86608	0.126925	0.00602
4.10E-12	0.149392	0.0012	0.176767	0.00012	0.202852	9.96E-06	0.323031	8.38E-13
3.00E-12	-0.0029	0.95015	-0.0978	0.03462	-0.08421	0.06903	0.035956	0.43823
1.10E-10	-0.08004	0.08404	0.054104	0.24325	-0.05447	0.2401	-0.17985	9.30E-05
5.77E-27	0.105921	0.02206	-0.04759	0.30475	-0.03057	0.50993	0.099016	0.03241
2.80E-05	-0.02489	0.59157	-0.13991	0.00244	-0.1935	2.55E-05	-0.10247	0.02681
2.00E-18	0.107246	0.02044	0.159205	0.00055	0.082917	0.07343	0.200438	1.28E-05
6.83E-49	0.197811	1.66E-05	0.185711	5.40E-05	0.171549	0.0002	0.320381	1.31E-12
1.22E-07	0.164892	0.00035	0.156081	0.00071	0.19227	2.88E-05	0.393086	1.05E-18
0.00153	0.237791	2.00E-07	0.032218	0.48734	0.102048	0.02745	0.335665	9.22E-14
3.17E-31	0.125675	0.00654	0.053258	0.25071	0.039966	0.38885	0.177573	0.00011
1.20E-08	0.068709	0.13818	-0.03702	0.42474	0.01143	0.80541	0.118799	0.01018
8.43E-30	0.239623	1.60E-07	0.277506	1.05E-09	0.362167	6.40E-16	0.559552	7.87E-40
1.50E-33	0.145807	0.00158	0.066737	0.14989	0.056101	0.22626	0.236254	2.40E-07
2.43E-10	0.014878	0.74846	-0.0342	0.46095	-0.20442	8.48E-06	-0.03158	0.49605
4.02E-11	0.192219	2.89E-05	0.102011	0.0275	0.211751	3.91E-06	0.35147	5.03E-15
8.75E-19	0.077718	0.09344	0.170358	0.00022	0.107435	0.02022	0.216462	2.34E-06
9.13E-29	0.178741	0.0001	0.019037	0.68157	0.081931	0.07693	0.248921	5.01E-08
6.36E-12	0.111619	0.01581	0.06821	0.14108	0.143911	0.00182	0.251395	3.65E-08
1.27E-30	0.088856	0.055	-0.02741	0.55462	-0.11316	0.01442	0.035578	0.44306
3.08E-13	-0.00636	0.89098	-0.12831	0.00549	-0.23918	1.69E-07	-0.15645	0.00069
2.27E-10	0.050294	0.27808	0.137863	0.00283	0.068739	0.13801	0.200355	1.29E-05
2.49E-36	0.118535	0.01035	-0.02246	0.62827	-0.06026	0.19363	0.103716	0.025
0.08225	0.018104	0.69638	-0.05652	0.22281	0.016376	0.72411	0.009587	0.8363
1.06E-16	-0.08743	0.05905	-0.04748	0.30585	-0.23525	2.71E-07	-0.13799	0.00281
2.67E-08	0.109132	0.01832	0.049969	0.28121	0.01791	0.69947	0.194588	2.29E-05
7.79E-08	0.044628	0.3359	-0.01969	0.67129	0.083477	0.0715	0.137714	0.00286
1.46E-05	0.091835	0.04732	0.01511	0.74466	-0.01695	0.71493	0.15866	0.00058
2.17E-37	0.084581	0.06782	0.132962	0.004	-0.01818	0.6952	0.109586	0.01784
9.18E-45	0.073532	0.11253	-0.02146	0.64374	-0.01905	0.68143	0.086328	0.06232
1.22E-06	-0.00668	0.88545	-0.04436	0.3388	-0.00437	0.92502	0.022977	0.6204
1.27E-09	0.086279	0.06246	0.036945	0.42573	0.057493	0.21492	0.15957	0.00054
1.84E-20	0.067895	0.14293	-0.09334	0.04379	-0.14008	0.00241	0.051524	0.26648
1.55E-25	0.102156	0.02728	0.065454	0.15789	-0.01177	0.79969	0.176161	0.00013
4.68E-08	0.250124	4.30E-08	0.047439	0.30631	0.11535	0.01262	0.27699	1.13E-09

2.03E-07	0.007425	0.87286	-0.07533	0.10396	-0.09082	0.04984	0.04939	0.28683
1.63E-27	0.111513	0.01591	0.06764	0.14444	0.054108	0.24321	0.23636	2.37E-07
2.88E-19	0.092876	0.04485	-0.06686	0.14915	-0.01699	0.71424	0.074468	0.10801
6.84E-22	0.062862	0.17505	-0.02372	0.60921	-0.10234	0.027	0.039184	0.39821
7.35E-28	0.227077	7.09E-07	0.157919	0.00061	0.060404	0.19256	0.252541	3.15E-08
3.53E-37	0.214586	2.88E-06	0.064552	0.16371	-0.064	0.16733	0.125148	0.00677
1.15E-08	0.020821	0.65358	-0.00742	0.873	-0.04025	0.38548	0.017123	0.71207
1.04E-16	-0.0114	0.80599	-0.15884	0.00057	-0.17337	0.00017	-0.09227	0.04628
1.78E-14	0.113069	0.0145	-0.04548	0.32679	-0.09032	0.0511	0.10545	0.02266
3.51E-22	0.128524	0.00541	-0.03875	0.40342	0.006076	0.89581	0.129175	0.00518
1.49E-15	-0.06366	0.16965	0.041195	0.37442	-0.07239	0.11822	-0.03088	0.50566
5.13E-24	0.19146	3.11E-05	0.240319	1.47E-07	0.295049	7.80E-11	0.431695	1.27E-22
7.52E-50	0.224931	9.07E-07	-0.02918	0.52934	0.036048	0.43706	0.207429	6.19E-06
9.61E-21	0.190052	3.57E-05	0.069653	0.13284	0.041489	0.37102	0.24783	5.76E-08
1.06E-11	0.214022	3.06E-06	0.030934	0.50486	0.098594	0.03316	0.25669	1.84E-08
4.29E-05	0.058305	0.20851	0.069012	0.13645	0.122265	0.00817	0.223659	1.05E-06
1.30E-10	-0.05099	0.27143	-0.1912	3.19E-05	-0.16494	0.00034	-0.15676	0.00067
1.54E-13	0.068379	0.14009	-0.03298	0.47706	-0.04102	0.37646	0.080636	0.08173
1.11E-25	0.113041	0.01452	0.017766	0.70177	-0.01203	0.79548	0.18141	8.06E-05
3.64E-55	0.125207	0.00675	0.021913	0.6367	-0.09752	0.03514	0.021692	0.64009
4.80E-28	-0.01591	0.73166	-0.02916	0.52956	-0.17842	0.00011	-0.06962	0.13303
1.85E-24	0.104684	0.02367	-0.02144	0.64397	-0.13101	0.00457	0.008713	0.85105
7.02E-28	0.068804	0.13764	-0.02984	0.52	-0.12749	0.0058	0.002506	0.95693
1.04E-11	-0.04724	0.30832	-0.12409	0.00726	-0.18501	5.77E-05	-0.12122	0.00873
8.72E-12	0.1318	0.00433	-0.0244	0.59885	0.031507	0.497	0.210774	4.34E-06
1.55E-19	0.044047	0.34223	-0.04761	0.3046	-0.07087	0.12616	0.010905	0.81418
3.84E-35	0.185061	5.74E-05	0.114799	0.01305	-0.01907	0.68104	0.147078	0.00144
1.99E-15	0.063506	0.17066	-0.12612	0.00635	-0.1041	0.02446	0.031459	0.49765
6.23E-20	0.058156	0.20968	-0.01696	0.71472	-0.09728	0.03559	0.052006	0.26203
4.23E-37	0.105609	0.02246	0.054422	0.24048	-0.0767	0.09781	0.11841	0.01044
1.35E-10	0.012989	0.77952	-0.00557	0.90439	-0.15898	0.00056	-0.04691	0.31173
1.15E-13	0.126619	0.00614	-0.11896	0.01008	0.01187	0.79807	0.106479	0.02137
0.00277	0.166598	0.0003	-0.08689	0.06062	-0.01365	0.76857	0.127337	0.00586
1.01E-51	0.106526	0.02131	0.105287	0.02288	0.076524	0.0986	0.220455	1.50E-06
1.26E-24	-0.00119	0.97955	-0.06779	0.14355	-0.07257	0.1173	-0.01543	0.73941
1.32E-17	-0.0024	0.95871	0.090234	0.05133	0.083861	0.0702	0.107474	0.02018
1.58E-13	0.007379	0.87364	-0.0346	0.45567	-0.06414	0.16645	0.029729	0.5216
2.11E-11	0.086059	0.06314	-0.0561	0.22624	0.037791	0.41521	0.124183	0.00721
2.82E-14	0.082378	0.07533	0.08305	0.07297	0.02785	0.54828	0.187748	4.45E-05
1.89E-13	0.077549	0.09415	-0.04397	0.34305	-0.06694	0.14865	0.02881	0.53456
1.41E-13	0.001571	0.973	-0.00241	0.9586	-0.18247	7.31E-05	-0.0509	0.27233
2.71E-06	-0.06451	0.16401	-0.04683	0.31257	-0.22294	1.14E-06	-0.17418	0.00016
1.86E-18	0.150903	0.00107	-0.00626	0.89269	0.049475	0.28599	0.265405	5.72E-09
4.07E-18	0.074394	0.10837	0.122027	0.00829	0.060831	0.18943	0.238763	1.77E-07
2.56E-06	-0.05485	0.23679	0.05881	0.20459	-0.07784	0.09292	-0.01026	0.82501

2.53E-05	0.097584	0.03501	0.041104	0.37548	0.11721	0.01125	0.166727	0.0003
1.96E-05	-0.20442	8.47E-06	0.120298	0.00926	0.158758	0.00057	-0.03694	0.42581
0.00207	0.001134	0.98049	-0.14823	0.00132	-0.0658	0.15571	-0.05214	0.26084
0.01752	0.058794	0.20471	-0.03138	0.4987	0.028462	0.53952	0.037064	0.42424
0.00832	-0.04098	0.37692	0.092511	0.04571	-0.02007	0.66538	-0.0002	0.99654
0.00063	0.053484	0.24869	-0.12836	0.00547	-0.08242	0.07518	-0.07853	0.09005
0.01882	0.018521	0.68974	-0.04911	0.28958	-0.05944	0.19976	0.0456	0.32546
0.02184	-0.0117	0.80085	-0.13674	0.00307	-0.16313	0.0004	-0.13625	0.00317
0.0854	0.014962	0.74709	-0.06645	0.15166	-0.02356	0.6115	0.038669	0.40444
0.21558	-0.08684	0.06077	-0.08908	0.0544	-0.0811	0.08	-0.08067	0.0816
0.73914	0.146503	0.0015	-0.07392	0.11066	0.119858	0.00953	0.216838	2.25E-06
0.01637	-0.01973	0.67057	0.007547	0.87079	-0.14897	0.00124	-0.10097	0.02912
2.74E-07	0.108299	0.01923	-0.01205	0.79501	0.044638	0.33579	0.106968	0.02078
0.02445	0.017675	0.70322	-0.16263	0.00042	-0.25757	1.64E-08	-0.19415	2.39E-05
0.09053	-0.10382	0.02485	-0.28258	5.05E-10	-0.22215	1.24E-06	-0.28052	6.82E-10
4.36E-06	0.047823	0.30241	-0.0443	0.33946	-0.01753	0.70562	-0.03211	0.4888
0.02677	0.022556	0.62683	0.032083	0.48917	0.054051	0.24371	0.052335	0.25902
0.18772	-0.17995	9.22E-05	0.108475	0.01904	-0.05122	0.26936	-0.22623	7.82E-07
0.31415	0.141109	0.00224	0.198093	1.62E-05	0.283276	4.57E-10	0.337012	7.24E-14
0.83562	-0.00678	0.88384	-0.0364	0.43254	-0.04797	0.30094	0.014814	0.7495
0.10469	-0.20814	5.74E-06	-0.16092	0.00048	-0.17171	0.00019	-0.35825	1.37E-15
0.00106	0.105731	0.0223	0.092165	0.04652	0.033779	0.46648	0.158761	0.00057
6.57E-10	0.172356	0.00018	-0.14095	0.00227	-0.07477	0.10659	0.061894	0.1818
0.96508	0.079011	0.08809	-0.23142	4.27E-07	-0.09643	0.03723	-0.06071	0.19033
0.01462	0.035634	0.44235	-0.1651	0.00034	-0.18266	7.18E-05	-0.10482	0.0235
0.0887	-0.03554	0.44359	-0.07982	0.08489	-0.00627	0.89253	-0.08796	0.0575
0.0003	0.024925	0.59108	0.161042	0.00048	0.17841	0.00011	0.159218	0.00055
4.97E-06	0.031541	0.49654	-0.09722	0.0357	-0.09335	0.04377	-0.06807	0.1419
0.00074	0.218732	1.82E-06	0.124916	0.00688	0.0745	0.10786	0.194218	2.38E-05
0.36494	0.235769	2.55E-07	-0.05999	0.1956	0.106697	0.0211	0.232853	3.61E-07
0.11639	0.023171	0.61746	0.286613	2.79E-10	0.245572	7.65E-08	0.189358	3.81E-05
0.22087	-0.00868	0.8516	0.030999	0.50397	-0.00821	0.85951	-0.00602	0.89682
0.30794	-0.02078	0.65428	-0.05305	0.25253	-0.04799	0.30071	-0.06508	0.16032
0.52702	-0.03495	0.45112	0.041016	0.3765	-0.03005	0.51719	0.010612	0.81909
1.47E-05	0.025084	0.58871	0.049921	0.28167	-0.07991	0.08451	0.073438	0.11299
1.95E-11	0.05927	0.20106	0.021213	0.6475	-0.05451	0.23968	0.063681	0.16949
8.99E-09	0.034414	0.45813	-0.03264	0.48158	-0.04936	0.28707	0.096156	0.03778
3.65E-10	0.026966	0.56105	-0.07147	0.12299	-0.06294	0.17452	0.007944	0.86406
0.95815	0.011511	0.80405	-0.16183	0.00045	-0.07789	0.09271	-0.0424	0.36064
0.03905	-0.01336	0.77342	-0.07247	0.11781	-0.07179	0.1213	-0.06767	0.14424
5.33E-09	0.037273	0.42163	-0.06587	0.15525	-0.07438	0.10845	-0.02393	0.60597
0.95316	-0.01049	0.82107	-0.06871	0.1382	0.002337	0.95982	0.028795	0.53478
0.72097	-0.02186	0.63746	0.017444	0.70693	0.01383	0.76565	0.014159	0.76023
0.62587	0.01838	0.69198	0.057581	0.21423	0.131947	0.00429	0.123516	0.00753
0.87691	-0.01826	0.69395	-0.01902	0.68191	-0.03869	0.4042	-0.02525	0.5863

0.43636	-0.03219	0.48773	-0.01786	0.70031	-0.03518	0.44815	-0.05631	0.22454
1.18E-05	0.078977	0.08823	-0.04762	0.30442	-0.12674	0.00609	-0.03492	0.4516
0.00077	0.007351	0.87412	0.066071	0.154	-0.03859	0.40537	-0.02808	0.54494
0.04425	0.036089	0.43654	-0.03837	0.40812	-0.0091	0.84446	0.01752	0.70571
0.00292	0.029903	0.51918	-0.06393	0.1678	-0.08003	0.08405	-0.04798	0.30082
2.83E-06	-0.00358	0.93843	-0.13592	0.00325	-0.05887	0.20414	-0.02055	0.65775
0.45155	-0.01084	0.81532	-0.0799	0.08456	-0.04039	0.38387	-0.01584	0.73277
0.92611	-0.00407	0.93009	0.02382	0.60764	0.01136	0.80658	-0.01055	0.82007
0.91849	-0.00097	0.9834	0.043085	0.35289	0.039581	0.39344	0.002748	0.95278
0.56005	0.034929	0.45144	-0.02644	0.56868	-0.00754	0.87094	-0.02471	0.59427
0.96383	0.013467	0.77162	0.02255	0.62692	0.033131	0.47507	0.014989	0.74664
0.65229	-0.02555	0.58176	-0.02886	0.53386	-0.06845	0.13967	-0.03988	0.38988
0.50701	-0.02718	0.55795	0.020682	0.65574	0.033991	0.46369	-0.02585	0.57735
0.2254	0.117416	0.01111	0.062903	0.17477	0.200969	1.21E-05	0.240396	1.45E-07
0.52802	-0.03034	0.51315	-0.09313	0.04428	-0.07925	0.08714	-0.07335	0.1134
0.61553	-0.01129	0.80774	-0.08596	0.06346	-0.03288	0.47836	-0.04393	0.3435
0.49958	-0.008	0.86317	-0.03495	0.45118	-0.06019	0.19415	-0.06423	0.16585
0.0073	-0.00072	0.9876	-0.06143	0.18511	-0.02537	0.58449	-0.07162	0.12222
2.24E-06	0.252029	3.37E-08	0.079491	0.08617	0.031122	0.50228	0.101383	0.02848
0.00186	0.041843	0.36694	-0.10677	0.02102	-0.05314	0.25174	0.034623	0.45541
0.10593	0.03233	0.48583	-0.05487	0.23662	-0.04058	0.38159	-0.04082	0.37876
0.00824	-0.01047	0.82141	-0.0869	0.06059	-0.10894	0.01853	-0.08679	0.06093
0.99632	-0.00734	0.87431	0.007054	0.87917	-0.05277	0.25506	-0.01973	0.67069
0.86167	0.006717	0.8849	0.303355	2.14E-11	0.243697	9.67E-08	0.311222	6.02E-12
1.06E-05	0.008628	0.85248	-0.0327	0.48078	-0.03548	0.44434	-0.04392	0.34358
0.03688	-0.04811	0.29949	-0.10132	0.02857	-0.05335	0.24989	-0.05642	0.22359
0.73838	0.032387	0.48505	0.07482	0.10635	0.004283	0.92645	0.017497	0.70607
0.00159	0.015779	0.73378	0.039188	0.39816	0.006837	0.88285	0.051528	0.26645
0.38835	0.039594	0.39328	0.009948	0.83023	0.037844	0.41455	0.041884	0.36647
0.75312	-0.0018	0.96912	0.028157	0.54387	0.015638	0.73608	0.020338	0.66111
0.72395	-0.02454	0.59679	0.023581	0.61125	0.020367	0.66067	0.002836	0.95126
0.45216	-0.03442	0.45805	-0.03659	0.43025	-0.06066	0.19067	-0.0836	0.07107
0.61001	-0.04859	0.29475	-0.04764	0.30424	-0.04158	0.36998	-0.09363	0.04314
0.24716	-0.05933	0.20064	0.023026	0.61966	0.062183	0.17976	0.024495	0.59749
0.56629	0.030488	0.51103	0.075253	0.10434	0.099249	0.03201	0.140521	0.00234
0.94443	0.010864	0.81487	0.051002	0.27137	0.059269	0.20107	0.065512	0.15752
0.02081	0.01062	0.81896	-0.00874	0.85051	0.047299	0.30774	0.0428	0.35608
0.73955	-0.00941	0.8393	-0.01513	0.74428	-0.00574	0.90158	-0.02095	0.65155
0.85809	-0.00758	0.87016	-0.09043	0.05081	-0.02471	0.59434	-0.00177	0.96956
0.70231	-0.01596	0.73088	0.029126	0.53009	-0.00039	0.99331	-0.02019	0.66348
0.82932	-0.00434	0.9255	-0.01393	0.76399	0.002277	0.96086	-0.00317	0.94557
0.27739	-0.00336	0.9423	-0.04392	0.34361	-0.08755	0.05868	-0.09324	0.04401
3.46E-09	0.068519	0.13928	0.152626	0.00094	0.251606	3.56E-08	0.346058	1.39E-14
0.69747	0.000751	0.98709	-0.09908	0.0323	-0.0423	0.36175	-0.02875	0.53548
0.00223	-0.01572	0.73468	-0.18079	8.53E-05	-0.07065	0.12739	-0.08388	0.07014

7.44E-07	0.045907	0.32221	-0.1079	0.01968	-0.09842	0.03347	0.036005	0.4376
8.15E-10	0.02106	0.64986	0.006592	0.88703	-0.00941	0.83928	0.025855	0.57731
0.01051	0.051807	0.26386	-0.00138	0.97627	-0.05748	0.21505	0.00363	0.93764
0.10618	-0.13008	0.00487	-0.07395	0.11051	-0.15005	0.00114	-0.21937	1.70E-06
0.52138	-0.05215	0.26075	-0.05379	0.24599	-0.04711	0.30964	-0.07514	0.10485
0.67265	-0.06318	0.17288	-0.04072	0.37993	-0.04951	0.28568	-0.06413	0.16649
0.01431	-0.07145	0.12312	-0.15316	0.0009	-0.11958	0.0097	-0.15134	0.00104
2.79E-06	0.030823	0.5064	-0.08327	0.07222	-0.08258	0.07461	-0.03451	0.45691
0.59974	-0.05136	0.26798	-0.00873	0.85076	0.030082	0.51668	0.013147	0.77691
0.00022	0.009785	0.83297	0.0444	0.33837	-0.04594	0.3219	-0.00888	0.84825
7.55E-06	-0.18177	7.80E-05	-0.15005	0.00114	-0.17666	0.00012	-0.3298	2.60E-13
0.36708	0.02461	0.59578	0.39209	1.30E-18	0.202466	1.04E-05	0.079966	0.08431
0.68241	0.041673	0.3689	0.099062	0.03233	0.132609	0.0041	0.064368	0.16492
1.16E-05	0.098488	0.03335	-0.11461	0.0132	0.149619	0.00118	0.170536	0.00021
0.013	-0.11145	0.01597	0.088263	0.05665	0.212766	3.50E-06	0.054673	0.23832
0.09264	0.076119	0.1004	-0.10192	0.02764	-0.03689	0.42647	-0.13397	0.00373
0.97755	0.209218	5.12E-06	0.151957	0.00099	0.316117	2.69E-12	0.331445	1.95E-13
0.843	0.02453	0.59698	0.228406	6.08E-07	0.204136	8.73E-06	0.213809	3.13E-06
0.00266	0.001512	0.974	-0.00384	0.93412	0.073704	0.11169	0.046316	0.31791
4.34E-06	0.043572	0.34746	-0.0561	0.22627	-0.18131	8.14E-05	-0.14828	0.00131
3.88E-06	-0.04208	0.36429	-0.05362	0.24749	0.075386	0.10372	0.015299	0.7416
0.16962	-0.10766	0.01996	-0.30068	3.26E-11	-0.2446	8.64E-08	-0.37492	4.93E-17
0.20514	0.030376	0.51258	0.059426	0.19988	0.080521	0.08217	0.081493	0.07853
0.94052	-0.1113	0.01612	0.015232	0.74268	-0.15266	0.00093	-0.24488	8.35E-08
0.0007	-0.09669	0.03673	-0.27813	9.63E-10	-0.26946	3.27E-09	-0.31279	4.66E-12
0.00074	-0.0635	0.17072	0.023085	0.61876	-0.11041	0.01699	-0.14715	0.00143
0.19711	0.060245	0.19374	0.053359	0.2498	0.199363	1.42E-05	0.306964	1.20E-11
0.06342	-0.09795	0.03433	-0.22687	7.26E-07	-0.18066	8.64E-05	-0.1865	5.01E-05
1.50E-19	0.139298	0.00255	-0.02928	0.52793	0.054104	0.24324	0.140099	0.00241
0.03468	0.053443	0.24906	-0.21029	4.57E-06	-0.20351	9.31E-06	-0.17412	0.00016
0.00082	0.231218	4.37E-07	-0.07447	0.10798	0.033657	0.46808	0.068413	0.13989
4.15E-11	0.07867	0.08948	-0.0113	0.80762	-0.04595	0.32177	-0.0109	0.81434
0.0313	0.015615	0.73646	-0.1667	0.0003	0.019099	0.68058	0.011605	0.8025
0.07271	0.026585	0.5666	0.061385	0.18543	-0.02801	0.54595	0.002266	0.96105
0.73454	-0.03281	0.47933	0.067884	0.14299	0.000541	0.9907	-0.03344	0.47097
7.95E-12	-0.05002	0.28073	0.118938	0.0101	-0.14556	0.00161	-0.1508	0.00108
0.39189	-0.0106	0.81929	-0.21227	3.70E-06	-0.19527	2.14E-05	-0.14117	0.00223
0.01159	0.184477	6.06E-05	-0.00992	0.83064	0.080127	0.08368	0.165921	0.00032
6.70E-07	-0.08489	0.06683	0.333925	1.26E-13	0.228047	6.34E-07	0.191605	3.07E-05
5.02E-12	-0.16822	0.00026	0.141544	0.00217	0.015999	0.73022	-0.13055	0.00472
0.1859	0.009266	0.8417	-0.20739	6.22E-06	-0.12497	0.00685	-0.10949	0.01793
0.00432	0.072532	0.11751	-0.1017	0.02798	-0.0916	0.04789	0.02102	0.65049
0.13785	0.109469	0.01796	-0.10139	0.02847	-0.11446	0.01332	0.016413	0.72352
0.00519	-0.03929	0.3969	-0.22925	5.51E-07	-0.21637	2.37E-06	-0.14157	0.00216
0.73105	-0.04713	0.30952	-0.081	0.08035	-0.02521	0.58688	-0.03825	0.40951

0.67091	0.099986	0.03075	0.062603	0.17684	0.165869	0.00032	0.149369	0.00121
0.0031	0.045503	0.32649	-0.09523	0.03968	-0.10378	0.02491	0.00384	0.93404
3.92E-08	-0.19314	2.64E-05	-0.15051	0.0011	-0.01242	0.78897	-0.20338	9.44E-06
7.33E-09	0.034143	0.46168	-0.06291	0.17475	-0.13645	0.00313	0.008487	0.85486
0.62559	0.016972	0.7145	-0.0538	0.24594	-0.04997	0.28117	0.005928	0.89834
0.01192	-0.07519	0.10461	0.179746	9.39E-05	-0.0716	0.12229	-0.10765	0.01997
0.14714	-0.07357	0.11234	-0.15778	0.00062	-0.14001	0.00243	-0.10276	0.02638
2.15E-05	0.261677	9.46E-09	0.214978	2.76E-06	0.07296	0.11536	0.234443	2.99E-07
0.03553	0.053909	0.24495	0.060311	0.19325	-0.00292	0.94984	0.097292	0.03557
1.99E-10	0.110972	0.01643	0.036451	0.43194	-0.03915	0.39859	0.063345	0.17175
0.41625	-0.04064	0.38086	0.415441	6.53E-21	0.088901	0.05488	0.083656	0.07089
2.02E-10	0.039193	0.3981	0.351825	4.71E-15	0.201048	1.20E-05	0.217027	2.20E-06
0.03926	0.128723	0.00534	0.005778	0.9009	0.096919	0.03628	0.249436	4.69E-08
1.43E-10	0.001786	0.96929	-0.12069	0.00904	-0.06735	0.1462	-0.06937	0.13443
0.00128	0.237486	2.07E-07	-0.19742	1.73E-05	0.119511	0.00974	0.236303	2.39E-07
4.37E-05	-0.04092	0.37761	-0.23087	4.56E-07	-0.20504	7.95E-06	-0.16508	0.00034
0.67813	-0.00786	0.86553	0.043409	0.34927	0.037826	0.41478	0.034145	0.46167
0.45204	0.133412	0.00387	-0.08393	0.06997	0.06783	0.14331	0.258763	1.40E-08
0.06316	-0.0619	0.18175	-0.25662	1.85E-08	-0.25236	3.23E-08	-0.28845	2.12E-10
8.10E-12	0.026146	0.57302	-0.00764	0.86921	-0.04003	0.38811	-0.01649	0.7222
0.26214	0.061061	0.18776	0.033045	0.47623	0.05322	0.25104	0.07761	0.0939
0.69989	-0.01009	0.82788	-0.00855	0.85377	0.062394	0.17829	0.023566	0.61147
0.30137	-0.11994	0.00948	-0.00666	0.8858	-0.26012	1.17E-08	-0.33754	6.58E-14
0.41976	-0.03374	0.46704	-0.02172	0.63971	0.188313	4.22E-05	0.153486	0.00088
0.50114	-0.04469	0.33524	0.041776	0.36772	-0.10993	0.01748	-0.0748	0.10645
0.73693	-0.03221	0.4874	0.09896	0.03251	0.031222	0.50091	0.048838	0.29225
0.59267	0.169596	0.00023	0.069268	0.135	0.020332	0.6612	0.169908	0.00023
0.80718	0.122957	0.00781	-0.09837	0.03356	0.06188	0.1819	0.154759	0.00079
0.76416	0.000861	0.98519	0.085238	0.06571	0.018995	0.68223	0.015347	0.74081
0.44321	-0.07452	0.10775	-0.08205	0.0765	-0.10192	0.02764	-0.06434	0.16511
0.12023	-0.13244	0.00414	0.101119	0.02889	-0.12519	0.00675	-0.21213	3.75E-06
0.32346	0.136981	0.00301	0.121573	0.00854	0.072896	0.11568	0.164113	0.00037
0.75848	-0.03172	0.49416	-0.04102	0.37647	-0.08373	0.07064	-0.08911	0.05431
0.01183	-0.02992	0.51899	0.095344	0.03944	-0.11711	0.01132	-0.1123	0.01518
0.00064	0.056811	0.22043	0.002141	0.96319	0.057817	0.21235	0.137	0.00301
0.06183	-0.00743	0.87285	-0.25375	2.70E-08	-0.2473	6.16E-08	-0.2317	4.13E-07
0.59486	-0.075	0.10553	0.021989	0.63553	-0.04929	0.28782	-0.12571	0.00653
0.00276	0.039989	0.38858	-0.05736	0.21597	-0.07767	0.09365	0.008956	0.84695
0.11432	-0.1832	6.83E-05	-0.14831	0.00131	-0.25646	1.89E-08	-0.32445	6.57E-13
0.13866	0.227769	6.54E-07	0.16802	0.00027	0.276251	1.26E-09	0.342256	2.80E-14
0.15957	0.061763	0.18273	0.132558	0.00411	0.183415	6.69E-05	0.193122	2.65E-05
0.41563	-0.00541	0.9072	0.066116	0.15372	0.107914	0.01967	0.121309	0.00869
0.114	0.178994	0.0001	0.107155	0.02055	0.178482	0.00011	0.345611	1.51E-14
0.17844	-0.01027	0.82483	0.255797	2.06E-08	0.219182	1.73E-06	0.308	1.02E-11
1.25E-05	0.184378	6.12E-05	0.055561	0.23076	0.064212	0.16595	0.149491	0.00119



0.79309	-0.13925	0.00256	-0.17046	0.00021	-0.16687	0.00029	-0.09978	0.03109
0.00015	-0.14012	0.00241	-0.17771	0.00011	-0.21848	1.88E-06	-0.34359	2.19E-14
0.00909	0.020419	0.65985	-0.24602	7.23E-08	-0.20163	1.13E-05	-0.14466	0.00172
0.00047	-0.0637	0.16937	0.005724	0.90181	0.014847	0.74896	-0.05751	0.21481
0.93005	-0.1313	0.00448	-0.10334	0.02553	-0.20617	7.06E-06	-0.28935	1.85E-10
1.99E-06	0.067152	0.14736	0.134696	0.00354	0.079901	0.08456	0.124025	0.00729
0.07624	0.094126	0.04204	0.070201	0.12981	0.040175	0.38637	0.078581	0.08984
0.0552	0.278924	8.59E-10	0.085362	0.06531	0.048146	0.29915	0.225666	8.34E-07
0.10958	0.047347	0.30725	0.150794	0.00108	0.03996	0.38893	0.0996	0.0314
0.00028	0.116426	0.01181	-0.03525	0.44723	-0.0152	0.74316	0.00961	0.83592
0.34549	-0.01342	0.77241	-0.01852	0.68979	-0.07032	0.12918	0.043547	0.34774
1.15E-05	0.087989	0.05743	0.056307	0.22455	0.208322	5.63E-06	0.305849	1.44E-11
0.00435	0.029102	0.53044	-0.09794	0.03436	-0.103	0.02603	0.021556	0.64219
0.42059	-0.03403	0.46315	-0.24797	5.66E-08	-0.24112	1.33E-07	-0.16929	0.00024
5.23E-05	0.052474	0.25776	0.128435	0.00544	0.145207	0.00165	0.114008	0.01369
0.37635	0.068598	0.13883	-0.01151	0.80416	-0.02221	0.63208	0.034009	0.46344
0.86904	-0.08312	0.07272	-0.09492	0.04033	-0.09598	0.03814	-0.19615	1.96E-05
0.0883	-0.05614	0.22594	-0.12993	0.00492	-0.11615	0.01201	-0.20115	1.19E-05
0.41648	0.038449	0.40713	-0.06468	0.16287	-0.04228	0.36198	-0.06055	0.19148
0.57618	0.005837	0.89988	-0.06355	0.1704	-0.03149	0.49722	-0.06682	0.14937
6.49E-07	-0.01106	0.81159	0.102294	0.02707	-0.01759	0.7046	-0.0154	0.73993
4.36E-11	0.023721	0.60913	-0.12393	0.00733	-0.11592	0.01218	-0.08483	0.067
0.49538	0.000731	0.98743	-0.20947	4.99E-06	-0.15762	0.00063	-0.17193	0.00019
0.28175	0.065228	0.15934	0.002372	0.95922	-0.07588	0.10147	0.015923	0.73145
0.7452	-0.01086	0.81495	-0.11902	0.01004	-0.05187	0.26333	-0.05484	0.2369
0.60331	-0.01513	0.74435	0.034372	0.45868	-0.0256	0.58102	-0.00297	0.9489
0.034	0.061653	0.18351	-0.04472	0.33485	0.010616	0.81902	0.050414	0.27694
5.72E-09	0.155791	0.00073	0.078992	0.08817	0.057033	0.21862	0.124699	0.00697
0.0559	-0.00231	0.96021	0.065909	0.15502	0.065262	0.15911	0.035158	0.44846
0.79273	0.118573	0.01033	-0.0232	0.61701	0.107981	0.01959	0.149226	0.00122
0.72892	-0.01682	0.71688	-0.1893	3.84E-05	-0.15309	0.0009	-0.13958	0.0025
0.00036	-0.01721	0.7107	-0.08225	0.07578	0.018489	0.69026	-0.05841	0.20772
0.13451	0.129335	0.00512	-0.01311	0.77751	0.022001	0.63534	0.04319	0.35171
0.75595	-0.00279	0.95209	0.012977	0.77971	0.02737	0.55519	0.025606	0.58098
7.69E-05	0.091811	0.04738	0.068319	0.14044	0.122674	0.00796	0.072651	0.11691
0.0048	0.036329	0.4335	0.064864	0.16168	0.055122	0.23447	0.032979	0.4771
0.07746	0.062407	0.1782	0.090637	0.05029	0.028109	0.54456	0.073126	0.11453
0.47789	0.253953	2.63E-08	-0.11262	0.01489	0.035042	0.44997	0.048216	0.29845
3.98E-08	0.038518	0.40628	0.169905	0.00023	0.098495	0.03334	0.089232	0.05398
0.00035	0.005763	0.90115	-0.02273	0.62421	0.120118	0.00937	0.027582	0.55214
1.02E-06	-0.07585	0.10161	-0.21159	3.98E-06	-0.17593	0.00013	-0.22602	8.01E-07
1.76E-07	0.028303	0.54179	-0.13326	0.00392	-0.1959	2.01E-05	-0.13801	0.0028
0.03996	-0.03583	0.43983	-0.07404	0.11006	-0.03652	0.43109	-0.04634	0.3177
0.00052	0.120211	0.00932	-0.12396	0.00732	0.00632	0.89165	0.120383	0.00921
3.23E-05	0.042265	0.36213	-0.05199	0.26219	-0.12775	0.0057	-0.01832	0.69291

0.8106	0.107986	0.01959	0.034013	0.46339	0.149012	0.00124	0.250093	4.32E-08
3.49E-08	-0.00754	0.87092	-0.2126	3.57E-06	-0.19185	3.00E-05	-0.15045	0.00111
0.00119	0.109742	0.01767	0.020901	0.65234	0.074967	0.10567	0.075852	0.1016
2.27E-12	0.108	0.01957	0.05919	0.20167	0.110136	0.01727	0.200173	1.31E-05
0.18566	0.062611	0.17678	-0.04565	0.32496	-0.07839	0.09062	-0.00865	0.85206
0.89796	-0.01617	0.72745	-0.12097	0.00887	-0.08704	0.06017	-0.11179	0.01565
3.09E-08	0.043381	0.34958	0.251537	3.59E-08	0.009863	0.83166	0.042652	0.35775
0.15495	-0.08163	0.07802	0.095	0.04016	-0.02029	0.66186	-0.0732	0.11417
0.04266	-0.17809	0.00011	-0.00558	0.90423	-0.14424	0.00178	-0.21126	4.12E-06
0.10429	-0.16161	0.00045	-0.21374	3.15E-06	-0.14267	0.002	-0.26728	4.42E-09
0.07533	-0.09504	0.04007	-0.14528	0.00164	-0.0147	0.75144	-0.08921	0.05404
2.70E-14	0.104551	0.02385	-0.08056	0.08203	-0.0899	0.05221	0.040497	0.38258
0.00154	0.216862	2.24E-06	0.007944	0.86405	0.081282	0.07931	0.21877	1.82E-06
0.3288	0.033053	0.47612	-0.05614	0.22594	-0.09171	0.04762	-0.01126	0.80833
0.55108	0.020087	0.66504	0.006871	0.88227	-0.04123	0.37403	0.017674	0.70324
0.30225	-0.00827	0.85846	0.147649	0.00138	-0.02564	0.58053	-0.03599	0.43782
0.22919	-0.09506	0.04003	-0.12097	0.00887	-0.05051	0.276	-0.19999	1.34E-05
0.26939	0.060912	0.18884	-0.00402	0.93097	0.047626	0.3044	0.077986	0.09231
2.64E-05	0.030049	0.51713	0.059666	0.19806	-0.05486	0.23673	0.016365	0.7243
0.77604	-0.01094	0.81356	0.042264	0.36214	-0.02887	0.53368	-0.01104	0.81198
0.01295	0.088552	0.05584	-0.01438	0.75665	0.016252	0.72611	0.154887	0.00078
0.29766	0.082121	0.07625	0.018435	0.6911	0.045541	0.32609	0.061754	0.18279
0.11836	-0.12878	0.00532	-0.03533	0.44625	-0.14889	0.00125	-0.25415	2.56E-08
5.33E-08	0.003788	0.93493	-0.05293	0.25368	-0.04028	0.38516	-0.04881	0.29249
0.36333	-0.08119	0.07967	-0.19551	2.09E-05	-0.15923	0.00055	-0.20058	1.26E-05
0.20385	0.111238	0.01618	0.041322	0.37295	-0.00357	0.93867	0.106767	0.02102
0.82585	0.005987	0.89734	0.075345	0.10391	-0.03961	0.3931	-0.01773	0.70229
0.0004	0.010206	0.82589	-0.09601	0.03808	-0.06111	0.1874	-0.0137	0.76783
0.00147	0.002053	0.96471	-0.04353	0.34795	-0.02838	0.54067	-0.00804	0.86245
0.00092	0.04398	0.34296	-0.07041	0.12864	-0.01427	0.75837	0.046742	0.31348
6.72E-05	0.099468	0.03163	-0.10612	0.02181	0.097387	0.03539	0.205522	7.56E-06
0.41348	-0.19555	2.08E-05	-0.3021	2.60E-11	-0.2963	6.43E-11	-0.3369	7.39E-14
1.88E-07	-0.06939	0.13433	0.297631	5.24E-11	0.215519	2.60E-06	0.096394	0.03731
0.19071	0.184505	6.05E-05	0.043007	0.35375	0.198582	1.54E-05	0.269902	3.08E-09
0.02703	-0.13209	0.00424	0.018266	0.6938	-0.09268	0.0453	-0.19018	3.53E-05
0.15084	0.054631	0.23868	-0.06757	0.14487	-0.04482	0.3338	-0.00592	0.89849
0.32699	-0.04958	0.28495	-0.00242	0.95842	-0.0623	0.17895	-0.14262	0.002
0.00078	0.170225	0.00022	0.318464	1.82E-12	0.225142	8.85E-07	0.302616	2.40E-11
0.06282	-0.01444	0.75569	0.198601	1.54E-05	-0.0318	0.49297	-0.01399	0.763
0.01446	0.081392	0.0789	0.213167	3.36E-06	0.07763	0.09381	0.209698	4.87E-06
3.49E-05	-0.02467	0.59488	-0.14824	0.00132	-0.20632	6.95E-06	-0.14058	0.00233
5.27E-10	-7.08E-05	0.99878	-0.13331	0.0039	-0.11337	0.01423	-0.0593	0.20085
0.28312	-0.02825	0.5426	-0.10116	0.02884	-0.11153	0.0159	-0.12705	0.00597
0.04582	0.055566	0.23073	0.012716	0.78403	0.022418	0.62895	0.06682	0.14938
0.00047	0.031523	0.49678	0.027268	0.55667	-0.01344	0.77207	0.046152	0.31963

2.08E-09	0.009591	0.83623	-0.02947	0.52517	-0.01518	0.74361	0.068843	0.13741
0.0027	0.061594	0.18393	-0.09375	0.04286	-0.11699	0.0114	-0.01107	0.81136
1.16E-05	-0.02376	0.60861	0.088982	0.05466	-0.0877	0.05827	-0.05622	0.22528
0.79843	0.156794	0.00067	0.008706	0.85117	0.163942	0.00037	0.286594	2.80E-10
1.59E-11	0.165145	0.00034	-0.02635	0.57002	-0.07402	0.11016	0.094534	0.04115
0.91996	0.01484	0.74907	-0.14733	0.00141	-0.21413	3.02E-06	-0.09449	0.04124
0.46373	-0.0964	0.03729	0.17464	0.00015	0.089684	0.05277	-0.02806	0.54525
7.43E-11	0.164361	0.00036	0.124075	0.00726	0.26938	3.31E-09	0.400318	2.11E-19
2.56E-12	0.076181	0.10012	0.099683	0.03126	0.086078	0.06308	0.143154	0.00193
0.05092	-0.00156	0.97324	-0.06343	0.17121	-0.09434	0.04158	-0.12511	0.00679
0.46309	-0.16503	0.00034	0.00937	0.83996	-0.2018	1.11E-05	-0.25375	2.69E-08
0.00121	0.037828	0.41475	-0.01307	0.77819	-0.0981	0.03406	-0.0867	0.06119
0.65646	-0.13083	0.00463	-0.12374	0.00743	-0.09533	0.03946	-0.25421	2.54E-08
0.166	0.034808	0.45301	-0.18703	4.76E-05	-0.10677	0.02102	-0.05174	0.26449
0.30836	-0.10135	0.02852	0.094302	0.04165	-0.01286	0.7816	-0.10041	0.03005
0.00556	-0.09251	0.0457	-0.19233	2.86E-05	-0.1004	0.03005	-0.16935	0.00024
0.00064	-0.24681	6.55E-08	0.036714	0.42863	-0.13357	0.00383	-0.32858	3.22E-13
0.14921	-0.01152	0.80398	-0.08436	0.06853	0.127832	0.00567	0.018042	0.69736
0.76729	-0.21298	3.42E-06	0.043573	0.34745	-0.14223	0.00206	-0.15325	0.00089
0.68281	-0.07264	0.11698	-0.04892	0.29146	0.002357	0.95949	-0.05694	0.21937
0.19171	0.148883	0.00125	0.03334	0.47229	0.165503	0.00033	0.241792	1.22E-07
0.65973	-0.10696	0.02078	-0.21441	2.93E-06	-0.16367	0.00038	-0.24933	4.76E-08
0.0002	-0.00478	0.9179	0.021185	0.64794	-0.03003	0.51737	-0.01945	0.67498
0.54126	0.039546	0.39386	-0.1531	0.0009	-0.07172	0.12169	0.019954	0.66713
0.65557	0.065905	0.15504	0.14815	0.00132	0.186937	4.81E-05	0.244121	9.17E-08
0.83632	-0.02324	0.61635	-0.06113	0.18729	-0.03599	0.43774	-0.04338	0.34962
0.99561	-0.01706	0.71307	-0.05656	0.22251	-0.00432	0.92574	0.000442	0.9924
0.13004	-0.04261	0.35822	-0.15448	0.00081	-0.16053	0.0005	-0.12179	0.00842
0.02208	-0.03795	0.41329	-0.11009	0.01732	-0.10131	0.02859	-0.11901	0.01005
0.20835	-0.05705	0.21849	-0.01987	0.66837	-0.02827	0.54227	-0.04219	0.36297
0.0013	-0.12254	0.00802	-0.10248	0.02679	-0.11578	0.01229	-0.21531	2.66E-06
3.10E-09	-0.2312	4.39E-07	-0.0879	0.05769	-0.19271	2.76E-05	-0.40183	1.51E-19
0.30836	-0.09578	0.03853	-0.13799	0.00281	-0.18426	6.19E-05	-0.26257	8.40E-09
5.93E-08	0.088586	0.05575	0.095919	0.03826	0.107641	0.01998	0.106573	0.02125
9.86E-05	-0.10147	0.02833	0.03773	0.41596	0.004767	0.91818	-0.11013	0.01728
0.02808	0.180537	8.74E-05	0.005205	0.91068	0.006533	0.88802	0.167343	0.00028
0.02307	0.150849	0.00108	0.019123	0.6802	0.065499	0.1576	0.12793	0.00563
0.97054	-0.07472	0.10681	-0.20215	1.07E-05	-0.12665	0.00613	-0.21492	2.77E-06
0.18947	-0.0293	0.52763	-0.15394	0.00085	-0.19833	1.58E-05	-0.20128	1.17E-05
0.07558	-0.1824	7.36E-05	-0.16159	0.00046	-0.25772	1.60E-08	-0.33874	5.30E-14
0.77482	0.01968	0.67142	-0.05043	0.27678	-0.02492	0.59109	-0.02217	0.63267
0.00888	0.203229	9.59E-06	0.194536	2.30E-05	0.177929	0.00011	0.27109	2.61E-09
0.02234	0.050651	0.27468	0.253073	2.94E-08	0.06475	0.16242	0.152902	0.00092
0.29424	0.048348	0.29713	-0.01991	0.66789	0.02185	0.63767	0.023079	0.61886
0.12992	0.024222	0.60159	0.064144	0.16639	-0.02659	0.56649	0.004301	0.92615

0.85276	0.151747	0.001	-0.25208	3.35E-08	-0.0774	0.09478	0.040432	0.38334
0.36733	0.049648	0.28431	-0.04061	0.38126	-0.00148	0.97448	-0.00132	0.97736
0.01323	0.088086	0.05715	-0.00421	0.92771	0.02301	0.61991	0.002847	0.95108
0.80501	-0.17896	0.0001	0.086327	0.06232	-0.02816	0.54377	-0.1545	0.00081
0.14701	0.067004	0.14826	-0.17492	0.00015	-0.05348	0.24869	-0.035	0.45046
0.17776	-0.15442	0.00081	-0.2945	8.49E-11	-0.30817	9.89E-12	-0.33647	7.98E-14
4.59E-16	0.303473	2.10E-11	-0.10409	0.02448	-0.18247	7.31E-05	0.011064	0.81152
0.56457	-0.03003	0.51746	-0.11481	0.01305	-0.07514	0.10484	-0.09881	0.03277
0.86337	-0.03966	0.39253	-0.1232	0.00769	-0.08348	0.07149	-0.11683	0.01152
0.05356	-0.03576	0.44079	-0.04905	0.29019	-0.08708	0.06007	-0.14136	0.0022
0.2372	0.124149	0.00723	-0.07656	0.09844	-0.02617	0.57273	0.07495	0.10574
0.17656	-0.04121	0.37429	-0.07581	0.10179	-0.09564	0.03884	-0.14517	0.00166
0.015	0.063584	0.17013	-0.05677	0.22074	0.01305	0.77851	0.00259	0.95548
0.01556	0.146583	0.00149	0.047307	0.30766	0.161931	0.00044	0.230525	4.75E-07
0.64471	0.01027	0.82483	0.261556	9.62E-09	0.296636	6.11E-11	0.303158	2.20E-11
0.99574	0.090599	0.05039	0.165117	0.00034	0.197193	1.77E-05	0.302203	2.56E-11
0.23723	-0.04254	0.35899	0.191928	2.98E-05	-0.0731	0.11465	-0.08842	0.05621
0.09946	-0.15742	0.00064	-0.10645	0.02141	-0.17111	0.0002	-0.22589	8.13E-07
5.83E-09	0.012812	0.78244	-0.19911	1.46E-05	-0.08658	0.06156	-0.06572	0.15619
0.96058	-0.08185	0.07722	0.104325	0.02416	-0.1275	0.0058	-0.14157	0.00216
1.35E-06	0.069426	0.13411	0.358898	1.21E-15	0.356057	2.10E-15	0.285887	3.11E-10
0.81655	0.161587	0.00046	-0.08475	0.06726	-0.01725	0.71002	0.018145	0.69573
0.12251	0.093327	0.04382	-0.03645	0.43199	-0.04884	0.29219	0.060849	0.1893
0.04511	-0.09792	0.03439	-0.13864	0.00268	-0.09835	0.0336	-0.19709	1.79E-05
0.38148	-0.02607	0.57412	-0.19501	2.20E-05	-0.15093	0.00107	-0.16775	0.00027
0.27509	-0.05171	0.26476	-0.02047	0.65904	0.061976	0.18122	-0.03193	0.49127
7.44E-09	0.232735	3.66E-07	0.005283	0.90935	0.041154	0.3749	0.151208	0.00105
0.85857	-0.14789	0.00135	-0.06435	0.16502	-0.20241	1.04E-05	-0.22372	1.04E-06
0.43261	0.204426	8.47E-06	-0.02842	0.54013	-0.03148	0.49736	0.131098	0.00454
0.00024	-0.05346	0.24888	0.056936	0.21941	-0.1509	0.00107	-0.1759	0.00013
0.2158	0.07071	0.12704	-0.17287	0.00017	-0.14607	0.00155	-0.0317	0.49438
0.00533	0.1187	0.01025	-0.09401	0.0423	0.068582	0.13892	0.125702	0.00653
0.01429	-0.05168	0.26505	-0.00232	0.9602	-0.03385	0.46551	-0.08395	0.06991
0.00014	-0.01386	0.7652	-0.08853	0.05591	-0.09086	0.04973	-0.05959	0.19864
0.15254	0.147171	0.00143	0.040644	0.38085	0.084386	0.06846	0.15337	0.00088
0.48553	-0.04248	0.35974	0.139328	0.00255	0.200561	1.26E-05	0.187835	4.41E-05
8.15E-07	-0.04329	0.35062	0.063508	0.17065	0.101304	0.0286	0.019187	0.67919
2.42E-12	-0.06071	0.19032	-0.04287	0.35527	-0.1129	0.01465	-0.14296	0.00195
0.55934	-0.02211	0.63359	0.003486	0.9401	-0.05435	0.24111	-0.094	0.04232
0.36591	0.197212	1.77E-05	0.094099	0.0421	0.082986	0.07319	0.185044	5.75E-05
4.54E-06	-0.18074	8.58E-05	-0.14966	0.00118	-0.20315	9.67E-06	-0.3178	2.03E-12
0.00293	0.11329	0.0143	0.081912	0.077	0.054233	0.24212	0.215025	2.74E-06
0.20333	0.001917	0.96705	0.118423	0.01043	0.059241	0.20128	0.01694	0.71502
3.52E-08	-0.05819	0.20944	-0.19103	3.25E-05	-0.18995	3.61E-05	-0.24743	6.05E-08
0.08487	0.026203	0.57219	0.182392	7.36E-05	0.109717	0.0177	0.041788	0.36758

0.77964	-0.0152	0.74319	-0.00036	0.99375	-0.00299	0.9487	-0.06916	0.13559
3.44E-05	0.169884	0.00023	0.167837	0.00027	0.203429	9.39E-06	0.30745	1.11E-11
0.59754	-0.11029	0.01711	-0.06851	0.13934	-0.20558	7.52E-06	-0.28743	2.47E-10
0.00029	-0.01962	0.6724	0.237849	1.98E-07	0.034888	0.45197	0.091794	0.04742
0.46272	0.279563	7.84E-10	0.043855	0.34434	0.171643	0.00019	0.361917	6.72E-16
0.66438	0.350396	6.17E-15	0.024111	0.60325	-0.05697	0.21912	0.028826	0.53434
0.02688	-0.01943	0.67532	0.09252	0.04568	-0.03597	0.43807	-0.00685	0.88265
0.0231	0.253234	2.88E-08	0.138226	0.00276	0.154439	0.00081	0.346748	1.22E-14
0.02376	0.101949	0.0276	-0.01888	0.684	0.005398	0.90739	0.036618	0.42984
2.30E-05	0.083698	0.07075	-0.03162	0.49544	0.015307	0.74147	0.035197	0.44796
0.00245	0.126663	0.00613	0.18949	3.77E-05	0.280725	6.62E-10	0.323305	8.00E-13
0.1929	0.218176	1.94E-06	0.097739	0.03473	0.049444	0.2863	0.109575	0.01785
5.14E-06	-0.10837	0.01915	-0.23365	3.28E-07	-0.21908	1.75E-06	-0.22491	9.09E-07
0.97933	-0.0255	0.58256	0.025844	0.57747	0.056213	0.22533	0.087006	0.06028
0.90139	0.079051	0.08794	0.025265	0.58602	0.03548	0.44432	0.056862	0.22001
0.00308	-0.15688	0.00067	-0.10381	0.02487	-0.13419	0.00367	-0.26152	9.66E-09
1.66E-07	0.041007	0.3766	-0.03551	0.44396	0.014386	0.75652	0.052522	0.25731
0.03009	0.030552	0.51015	0.057011	0.2188	0.062628	0.17667	0.020294	0.66181
0.99013	0.046306	0.31802	0.051941	0.26263	0.098926	0.03257	0.080767	0.08123
0.4956	-0.02271	0.62446	-0.02475	0.59365	-0.12852	0.00541	-0.03693	0.4259
0.14512	-0.05019	0.27905	0.328118	3.49E-13	0.173423	0.00017	0.176107	0.00013
0.79687	0.080611	0.08183	-0.10137	0.02849	0.063712	0.16927	0.102364	0.02697
3.22E-05	-0.15796	0.00061	-0.21871	1.83E-06	-0.21034	4.55E-06	-0.35257	4.09E-15
8.29E-13	0.08885	0.05502	0.000665	0.98856	0.130926	0.0046	0.178085	0.00011
0.05096	0.240067	1.51E-07	-0.03774	0.41579	0.018877	0.6841	0.080554	0.08204
0.48505	-0.05131	0.26845	-0.08993	0.05212	-0.12069	0.00903	-0.10714	0.02057
0.53619	-0.10142	0.02842	0.145612	0.0016	-0.00211	0.96377	-0.09408	0.04214
0.17505	0.227851	6.48E-07	0.114646	0.01317	0.201567	1.14E-05	0.356882	1.79E-15
0.0624	0.004064	0.9302	-0.21169	3.94E-06	0.019495	0.67433	0.033545	0.46957
0.2752	0.013792	0.76627	-0.01939	0.676	-0.06917	0.13554	0.026769	0.56392
0.35811	0.128742	0.00533	0.209523	4.96E-06	0.174065	0.00016	0.287128	2.58E-10
4.54E-07	0.347151	1.13E-14	0.133289	0.00391	0.098961	0.03251	0.370281	1.27E-16
0.23865	0.017318	0.70895	-0.17057	0.00021	-0.06784	0.14328	-0.07295	0.11543
0.39726	0.059139	0.20206	0.126856	0.00605	0.05794	0.21138	0.035235	0.44747
0.06041	0.047966	0.30096	0.148075	0.00133	0.213558	3.22E-06	0.325014	5.97E-13
3.73E-13	-0.11662	0.01167	-0.05998	0.19571	-0.05782	0.21236	-0.12535	0.00668
0.02042	-0.12781	0.00568	-0.07451	0.10779	-0.13405	0.00371	-0.164	0.00037
0.28484	0.03454	0.45649	-0.10841	0.01911	-0.07731	0.09517	-0.07115	0.1247
2.97E-05	-0.07523	0.10445	-0.03736	0.4205	-0.02437	0.59943	-0.14116	0.00223
0.61782	-0.14464	0.00173	-0.16714	0.00029	-0.16079	0.00049	-0.24515	8.06E-08
0.31633	0.004212	0.92768	-0.03432	0.45936	-0.08944	0.05343	-0.06125	0.18637
0.45167	0.021257	0.64682	-0.11848	0.01039	-0.12056	0.00911	-0.03801	0.41255
0.93114	-0.04706	0.31018	0.043213	0.35146	0.057974	0.21111	0.01809	0.69661
5.52E-06	-0.01866	0.6876	-0.07221	0.11917	-0.08799	0.05743	-0.10236	0.02698
0.9827	0.022741	0.62401	0.008991	0.84634	-0.07205	0.12	-0.04653	0.31566

2.85E-09	0.021837	0.63786	-0.05008	0.28016	-0.02672	0.5646	0.010749	0.8168
0.01565	0.043655	0.34655	-0.05775	0.21291	-0.08116	0.07975	-0.02069	0.65568
0.02998	-0.07868	0.08946	-0.05475	0.23764	-0.2519	3.43E-08	-0.26754	4.27E-09
0.90281	0.23899	1.73E-07	0.151106	0.00105	0.191044	3.24E-05	0.324135	6.94E-13
0.99089	0.05912	0.2022	-0.11011	0.0173	-0.02536	0.58455	-0.04387	0.34416
0.67196	0.009324	0.84073	0.008094	0.86151	-0.06151	0.18454	-0.05107	0.27071
0.00211	-0.01576	0.73406	-0.06871	0.13818	0.014981	0.74678	0.041901	0.36628
0.01279	0.060583	0.19125	-0.0331	0.47547	-0.161	0.00048	-0.10308	0.02592
0.00058	-0.11216	0.01531	-0.1691	0.00024	-0.16405	0.00037	-0.27496	1.51E-09
0.04351	0.069857	0.1317	-0.11356	0.01407	-0.0413	0.37316	-0.00583	0.89993
1.52E-13	-0.12767	0.00573	-0.0241	0.60347	-0.05785	0.21209	-0.11569	0.01235
0.88452	0.094169	0.04194	0.184641	5.97E-05	0.207157	6.37E-06	0.173767	0.00016
0.85605	-0.07753	0.09425	-0.05498	0.23567	-0.04292	0.35477	-0.1524	0.00095
8.61E-11	-0.13517	0.00343	-0.09958	0.03144	-0.00845	0.85549	-0.21682	2.25E-06
1.83E-05	-0.16925	0.00024	-0.23134	4.31E-07	-0.25321	2.89E-08	-0.33403	1.23E-13
0.94254	-0.06004	0.19526	-0.30793	1.03E-11	-0.23732	2.11E-07	-0.19906	1.47E-05
0.86289	-0.163	0.00041	0.035264	0.4471	-0.0983	0.03368	-0.20207	1.08E-05
6.16E-07	0.000317	0.99456	0.116531	0.01173	0.164872	0.00035	0.115586	0.01244
0.08211	0.069342	0.13458	-0.09529	0.03956	-0.17942	9.68E-05	-0.05897	0.20333
0.01741	0.100934	0.02919	0.186903	4.82E-05	0.14543	0.00163	0.234611	2.93E-07
0.01262	0.007328	0.87451	0.03182	0.49274	-0.00835	0.85718	-0.045	0.33183
0.05346	-0.09717	0.03581	-0.09072	0.05008	-0.19119	3.20E-05	-0.20538	7.67E-06
0.35871	-0.01152	0.80392	0.104601	0.02378	0.131012	0.00457	0.077801	0.09309
0.33816	0.021993	0.63546	-0.0834	0.07177	-0.12176	0.00844	-0.00748	0.87199
0.12574	0.082478	0.07497	0.215681	2.55E-06	-0.05734	0.21615	0.044346	0.33896
0.00492	-0.02937	0.52668	0.101464	0.02835	0.071747	0.12155	0.03326	0.47336
0.88471	0.056081	0.22643	-0.02503	0.58956	-0.04387	0.34413	-0.01742	0.70733
7.24E-06	-0.03047	0.51121	-0.03675	0.42819	-0.04275	0.35661	-0.11245	0.01505
0.00013	0.053484	0.2487	-0.02836	0.541	-0.04192	0.36603	-0.04005	0.38782
0.99534	0.113816	0.01386	-0.04199	0.36526	0.079009	0.0881	0.108141	0.01941
0.01	0.257543	1.64E-08	0.105028	0.02322	0.228757	5.83E-07	0.39365	9.27E-19
0.01974	0.028891	0.53342	0.028548	0.5383	-0.11416	0.01357	-0.01264	0.78527
0.01368	-0.04609	0.32024	-0.08561	0.06453	0.11133	0.01609	-0.01682	0.71689
0.15911	0.023155	0.6177	0.073003	0.11514	0.02317	0.61748	0.099488	0.03159
0.9969	-0.16431	0.00036	-0.16912	0.00024	-0.20696	6.51E-06	-0.31034	6.95E-12
0.16059	0.030642	0.50889	0.020072	0.66527	-0.00111	0.98095	-0.03274	0.48028
0.61954	0.033151	0.4748	-0.02509	0.58865	-0.08601	0.0633	-0.12439	0.00712
0.22923	-0.01414	0.76063	-0.02794	0.54703	0.103172	0.02578	0.081694	0.07779
0.82039	0.063321	0.17191	0.153237	0.00089	0.055659	0.22994	0.093612	0.04318
0.07437	0.024193	0.60203	-0.00393	0.93258	-0.19502	2.20E-05	-0.03699	0.42514
0.38948	-0.06047	0.19209	0.002823	0.95149	-0.11524	0.01271	-0.13926	0.00256
0.00449	0.125915	0.00644	0.127442	0.00582	0.163317	0.00039	0.270771	2.73E-09
0.48654	0.013423	0.77234	0.005924	0.8984	0.02387	0.60688	0.039783	0.39103
1.70E-08	-0.14348	0.00188	-0.20228	1.06E-05	-0.15551	0.00075	-0.21349	3.24E-06
0.00035	-0.0295	0.52487	0.201564	1.14E-05	0.166756	0.0003	0.137208	0.00297

0.57381	0.158461	0.00059	0.209407	5.02E-06	0.234158	3.09E-07	0.293917	9.28E-11
0.64381	0.136611	0.00309	0.202138	1.07E-05	0.158356	0.00059	0.243207	1.03E-07
0.93323	0.05081	0.27317	0.023	0.62007	0.01325	0.77519	0.087964	0.0575
0.07575	-0.03796	0.41316	-0.11476	0.01308	-0.02194	0.63624	-0.00833	0.85756
0.17982	-0.14066	0.00231	-0.11579	0.01228	-0.03739	0.42012	-0.20398	8.87E-06
0.02467	0.047347	0.30725	0.066447	0.15167	0.027497	0.55337	0.02259	0.6263
0.05386	0.080235	0.08327	-0.05558	0.23058	-0.0431	0.35274	-0.00355	0.93893
0.08725	0.04359	0.34726	-0.1267	0.00611	-0.08066	0.08164	0.042654	0.35773
0.58255	-0.00254	0.95629	0.316906	2.36E-12	0.020579	0.65735	0.0292	0.52905
0.43811	-0.01344	0.77199	0.163489	0.00039	0.165659	0.00032	0.057044	0.21853
3.86E-06	-0.1727	0.00018	-0.04132	0.37295	-0.1315	0.00442	-0.25606	1.99E-08
0.02957	-0.07937	0.08667	-0.19448	2.32E-05	-0.02435	0.59965	0.034082	0.46249
0.45122	-0.01265	0.78518	0.106224	0.02168	-0.06559	0.15705	-0.05663	0.22191
0.00754	-0.01875	0.68607	0.053917	0.24487	-0.04406	0.34213	-0.0244	0.59892
0.03338	-0.09231	0.04618	0.001497	0.97426	-0.16478	0.00035	-0.08904	0.0545
2.89E-08	-0.19037	3.46E-05	-0.11282	0.01471	-0.19759	1.70E-05	-0.26123	1.01E-08
0.25983	-0.03573	0.44117	-0.11948	0.00975	0.056025	0.22689	-0.00109	0.98133
0.28787	-0.14578	0.00158	0.020117	0.66458	-0.03514	0.44873	-0.19081	3.32E-05
0.72039	-0.03592	0.43872	-0.06629	0.15263	-0.03042	0.51194	-0.12718	0.00592
0.01227	0.04832	0.2974	0.276791	1.17E-09	0.21679	2.26E-06	0.230948	4.52E-07
0.01785	-0.03734	0.42081	0.122817	0.00788	-0.07727	0.09533	-0.08852	0.05593
7.80E-08	0.091303	0.04862	0.242929	1.06E-07	0.079557	0.08591	0.105287	0.02288
0.01354	0.110413	0.01699	0.056792	0.22058	0.073342	0.11346	0.14941	0.0012
0.23436	0.18455	6.02E-05	0.056938	0.21939	0.055341	0.23262	0.258577	1.43E-08
2.94E-12	0.062689	0.17624	0.112609	0.0149	0.146257	0.00153	0.068878	0.13722
0.93269	0.151704	0.00101	0.234298	3.04E-07	0.115008	0.01288	0.277083	1.12E-09
0.4194	0.160724	0.00049	0.014459	0.75532	0.045165	0.3301	0.219952	1.59E-06
0.12879	0.162652	0.00042	0.073749	0.11147	0.172281	0.00018	0.326557	4.57E-13
0.03404	-0.04768	0.3039	0.066669	0.1503	-0.09175	0.04751	-0.09561	0.03889
0.10415	0.031138	0.50205	0.124673	0.00699	0.174843	0.00015	0.150855	0.00108
0.16697	-0.12462	0.00701	-0.0554	0.23216	-0.10298	0.02605	-0.24487	8.35E-08
0.6505	0.142937	0.00196	0.006961	0.88075	0.103832	0.02484	0.183556	6.61E-05
0.18373	-0.01399	0.76297	0.234643	2.92E-07	0.186911	4.82E-05	0.058074	0.21032
0.87687	0.024728	0.59402	0.090772	0.04995	0.005754	0.9013	0.034052	0.46288
5.49E-12	0.056607	0.22209	0.048768	0.29295	0.022584	0.62639	0.069459	0.13392
3.00E-08	0.213934	3.09E-06	0.2633	7.61E-09	0.191685	3.05E-05	0.299299	4.04E-11
0.24354	-0.23294	3.57E-07	-0.04818	0.29882	-0.22351	1.07E-06	-0.31989	1.43E-12
0.00744	0.064402	0.16469	0.012708	0.78417	0.155081	0.00077	0.170076	0.00022
0.52774	0.003811	0.93453	-0.08078	0.08119	-0.05683	0.22029	-0.08939	0.05355
0.01025	0.001318	0.97735	0.033047	0.4762	0.038049	0.41202	0.056341	0.22427
0.02208	0.051121	0.27025	-0.05579	0.22884	-0.02418	0.60217	-0.00872	0.85087
0.05014	-0.03494	0.45128	0.10707	0.02065	0.037581	0.4178	0.103156	0.0258
0.09295	-0.21081	4.32E-06	-0.18798	4.35E-05	-0.15728	0.00065	-0.31783	2.02E-12
4.19E-08	-0.08785	0.05781	-0.17064	0.00021	-0.14524	0.00165	-0.2176	2.07E-06
2.96E-12	-0.09108	0.04918	-0.13433	0.00364	-0.26227	8.74E-09	-0.27865	8.94E-10

0.78564	0.206918	6.53E-06	0.112686	0.01483	0.255346	2.19E-08	0.307354	1.13E-11
5.09E-08	0.013006	0.77924	-0.18116	8.25E-05	0.016501	0.72209	-0.02441	0.59872
0.03264	-0.00716	0.87741	0.120526	0.00913	-0.00311	0.94652	0.02197	0.63582
0.05842	-0.0897	0.05274	0.424062	8.30E-22	0.159368	0.00055	0.131494	0.00442
0.00208	0.079257	0.08711	-0.01521	0.74305	-0.08698	0.06037	0.014122	0.76084
0.95804	0.041822	0.36719	0.051526	0.26646	-0.06106	0.18777	-0.03272	0.48061
0.95713	-0.01818	0.69518	-0.04933	0.28743	-0.19127	3.17E-05	-0.05662	0.22196
0.03625	-0.0414	0.37209	0.002552	0.95614	-0.07379	0.11127	-0.05208	0.26133
0.73114	0.010014	0.82912	0.172972	0.00017	0.241097	1.33E-07	0.185159	5.69E-05
0.00019	0.098448	0.03342	0.058952	0.20349	-0.00482	0.91723	0.111368	0.01605
0.14621	-0.03184	0.49248	-0.17561	0.00014	-0.15762	0.00063	-0.12391	0.00734
4.11E-07	-0.03784	0.41456	-0.22254	1.19E-06	-0.08706	0.06013	-0.11917	0.00995
0.67633	0.00185	0.96819	0.000728	0.98747	0.010639	0.81863	-0.01947	0.6747
0.76766	0.065025	0.16064	-0.04431	0.3394	-0.04996	0.28132	0.00672	0.88485
0.40138	-0.03349	0.47027	-0.0693	0.13481	-0.007	0.88014	-0.07528	0.10421
0.27962	-0.06397	0.16758	0.085161	0.06595	0.072395	0.11821	-0.07206	0.11992
0.84601	0.011496	0.80431	-0.06013	0.19463	-0.06343	0.17119	0.004838	0.91695
0.37858	0.076366	0.0993	0.03465	0.45506	-0.02697	0.56102	0.015482	0.73861
0.12774	0.004096	0.92965	-0.00516	0.91141	-0.00193	0.96683	-0.04045	0.38311
0.04173	-0.01023	0.82557	-0.02408	0.60368	-0.14375	0.00184	-0.06079	0.18974
2.28E-08	0.090644	0.05027	0.086565	0.0616	0.061811	0.18239	0.065036	0.16057
0.11337	0.096309	0.03748	0.187295	4.65E-05	0.092239	0.04635	0.190318	3.48E-05
0.58468	-0.02716	0.55817	0.099733	0.03117	-0.00518	0.91106	0.00235	0.95961
0.04391	0.055125	0.23445	0.091363	0.04847	0.182727	7.14E-05	0.205176	7.83E-06
0.84779	-0.03202	0.49006	0.138768	0.00265	-0.026	0.57512	0.060658	0.1907
0.71862	0.058246	0.20897	0.022646	0.62545	0.007894	0.86489	0.060464	0.19212
0.01081	-0.04435	0.33895	-0.04838	0.29678	-0.09119	0.0489	-0.09658	0.03694
2.56E-06	0.116969	0.01142	0.057825	0.21228	-0.06307	0.17365	0.100955	0.02916
1.44E-05	0.069669	0.13275	0.008444	0.85559	-0.05361	0.24756	0.019243	0.67832
0.77073	-0.05511	0.23454	-0.02286	0.62226	-0.07088	0.12613	-0.1242	0.0072
0.02093	-0.05166	0.26518	-0.0436	0.34718	-0.11371	0.01395	-0.14459	0.00173
0.58416	0.061981	0.18119	-0.00518	0.91119	-0.07693	0.09682	0.019225	0.6786
0.0002	0.072853	0.1159	-0.0804	0.08265	0.011922	0.79722	0.011713	0.8007
0.59392	0.050658	0.27462	-0.08595	0.06349	0.042521	0.35923	0.124242	0.00719
0.23048	0.205747	7.38E-06	0.071661	0.12199	0.110934	0.01647	0.312366	4.99E-12
0.00166	0.013503	0.77103	-0.24429	8.98E-08	-0.04635	0.31753	-0.07362	0.11209
0.99127	0.150081	0.00114	0.054007	0.24409	0.053736	0.24647	0.076824	0.09728
0.0036	-0.04107	0.3759	0.303672	2.03E-11	0.121088	0.00881	0.056752	0.22091
0.64013	-0.01647	0.72254	-0.0398	0.39081	-0.11293	0.01462	-0.08143	0.07876
0.16632	0.117693	0.01092	0.050121	0.27974	-0.12596	0.00642	-0.04514	0.33041
0.00045	0.056173	0.22566	0.025869	0.5771	-0.01705	0.7133	-0.00205	0.96475
0.93028	-0.10707	0.02066	-0.09299	0.0446	-0.05941	0.19998	-0.20504	7.95E-06
0.07035	0.033936	0.46441	-0.14781	0.00136	-0.10375	0.02496	-0.05055	0.27563
0.15619	0.020077	0.6652	-0.07576	0.102	-0.05914	0.20202	-0.01479	0.7499
1.26E-05	-0.13085	0.00462	-0.11934	0.00985	-0.2283	6.15E-07	-0.2479	5.71E-08



0.02838	0.016283	0.72562	-0.18461	5.99E-05	-0.13499	0.00347	-0.08062	0.08178
0.91661	0.025984	0.5754	-0.16197	0.00044	-0.11973	0.0096	-0.12532	0.00669
0.54575	-0.03826	0.40947	-0.14728	0.00142	-0.18223	7.47E-05	-0.16762	0.00027
4.54E-07	0.029927	0.51883	-0.21852	1.87E-06	-0.12379	0.0074	-0.07696	0.09669
3.19E-05	0.215466	2.61E-06	0.167091	0.00029	0.229091	5.61E-07	0.273902	1.76E-09
0.00193	-0.09711	0.03592	-0.17374	0.00016	-0.24859	5.23E-08	-0.27451	1.61E-09
0.01036	-0.02493	0.59096	-0.08142	0.07881	-0.05082	0.27304	-0.05644	0.2235
0.1314	-0.21927	1.72E-06	-0.06189	0.18181	-0.11168	0.01576	-0.23654	2.32E-07
3.74E-09	-0.14596	0.00156	-0.06065	0.19075	-0.11359	0.01405	-0.16576	0.00032
0.01469	-0.04948	0.28595	-0.09409	0.04212	-0.1163	0.0119	-0.10862	0.01887
0.00327	0.096607	0.03689	0.050847	0.27282	0.140347	0.00237	0.145507	0.00162
0.15681	0.119794	0.00956	0.103381	0.02548	0.289184	1.90E-10	0.340906	3.58E-14
5.70E-08	0.073742	0.1115	-0.17961	9.51E-05	-0.14305	0.00194	-0.06008	0.19494
0.64547	0.05412	0.2431	0.070126	0.13022	0.078854	0.08873	0.151193	0.00105
0.00046	0.150777	0.00108	-0.07293	0.11552	0.032319	0.48597	0.144544	0.00174
0.91651	0.318094	1.93E-12	0.155566	0.00074	0.214865	2.79E-06	0.373368	6.78E-17
0.00058	0.018849	0.68455	-0.13934	0.00255	-0.15721	0.00065	-0.1219	0.00836
0.30449	0.050943	0.27192	0.162979	0.00041	0.119931	0.00948	0.181413	8.06E-05
0.18682	-0.04646	0.31643	-0.08579	0.06396	-0.09861	0.03313	-0.10263	0.02657
0.00017	0.107358	0.02031	-0.03617	0.43554	0.021327	0.64574	0.046045	0.32075
0.81536	0.220611	1.48E-06	0.08811	0.05708	0.208407	5.58E-06	0.296228	6.51E-11
0.30841	0.055712	0.2295	0.042765	0.35648	0.130907	0.0046	0.124559	0.00704
0.28591	-0.0197	0.67105	-0.068	0.14232	0.143855	0.00183	0.195872	2.02E-05
0.08549	0.084806	0.06709	-0.09888	0.03265	-0.07789	0.0927	-0.02727	0.55661
0.39727	0.041803	0.36741	-0.0015	0.97426	-0.03624	0.43464	-0.00152	0.97387
0.01482	0.095357	0.03941	-0.11898	0.01007	-0.03513	0.44879	0.049583	0.28494
0.11385	-0.13241	0.00415	-0.26502	6.02E-09	-0.1652	0.00034	-0.18709	4.74E-05
0.01437	-0.11295	0.0146	-0.08745	0.05899	-0.19099	3.26E-05	-0.26956	3.23E-09
2.02E-07	-0.07774	0.09335	-0.07337	0.11333	-0.15252	0.00094	-0.17355	0.00016
7.35E-07	0.140461	0.00235	0.099729	0.03118	0.195276	2.14E-05	0.30214	2.59E-11
0.37765	-0.0174	0.70766	-0.15157	0.00102	-0.08149	0.07853	-0.04639	0.31713
0.82324	-0.00062	0.98934	-0.16282	0.00041	-0.1004	0.03006	-0.12554	0.0066
0.89354	0.035119	0.44897	-0.13763	0.00288	-0.12754	0.00578	-0.07447	0.10801
0.74292	-0.17879	0.0001	-0.00286	0.95078	-0.11723	0.01123	-0.2499	4.43E-08
0.26604	0.021022	0.65047	-0.03212	0.48867	-0.01417	0.76012	-0.0649	0.16146
0.00018	0.029585	0.52363	-0.17517	0.00014	-0.14536	0.00164	-0.03425	0.46026
0.05686	0.154645	0.0008	0.208206	5.70E-06	0.237604	2.04E-07	0.33113	2.06E-13
0.91846	-0.12808	0.00557	-0.09271	0.04524	-0.18512	5.71E-05	-0.21982	1.62E-06
0.00019	0.032784	0.47972	-0.12938	0.00511	-0.09786	0.0345	-0.05863	0.206
0.72312	0.04742	0.3065	-0.1907	3.35E-05	-0.09757	0.03504	-0.06023	0.19388
7.78E-07	0.077031	0.09638	-0.08184	0.07727	-0.02579	0.5783	-0.00053	0.99089
0.25395	0.035562	0.44327	0.034229	0.46056	0.0252	0.587	0.046334	0.31772
0.00039	0.060589	0.1912	0.06006	0.19511	0.116176	0.01199	0.151704	0.00101
0.85621	0.02817	0.54368	-0.00905	0.84542	-0.05848	0.20712	-0.02589	0.57679
0.23175	-0.04616	0.31955	-0.11337	0.01423	-0.23276	3.65E-07	-0.15481	0.00079

4.91E-12	0.094315	0.04163	0.17623	0.00013	0.214159	3.01E-06	0.283071	4.70E-10
0.01288	-0.16483	0.00035	0.296951	5.82E-11	0.085147	0.066	-0.10506	0.02317
0.5752	0.093088	0.04436	0.058664	0.20572	0.226103	7.93E-07	0.27323	1.93E-09
0.29659	0.029025	0.53152	-0.05703	0.21862	-0.0366	0.43005	-0.02255	0.62696
0.98005	0.02887	0.53372	0.096518	0.03706	0.080297	0.08303	0.036898	0.42632
0.30873	0.058068	0.21037	0.14422	0.00178	0.179363	9.73E-05	0.204985	7.99E-06
0.02285	-0.05841	0.2077	-0.04333	0.35015	-0.17016	0.00022	-0.18483	5.86E-05
0.00732	0.023944	0.60577	-0.00479	0.91781	0.133844	0.00376	0.123112	0.00773
0.71132	-0.0014	0.97587	0.027548	0.55263	-0.0337	0.46757	-0.02314	0.61797
0.10798	0.00984	0.83204	-0.09657	0.03696	-0.03529	0.44681	-0.08635	0.06225
0.31791	-0.03758	0.41785	0.020971	0.65125	-0.17498	0.00014	-0.05809	0.21023
0.20781	0.115512	0.01249	0.188279	4.23E-05	0.238677	1.79E-07	0.303691	2.03E-11
0.00185	0.079868	0.08469	0.147158	0.00143	0.199151	1.45E-05	0.188914	3.98E-05
3.13E-05	0.213019	3.41E-06	-0.09023	0.05133	0.065255	0.15916	0.150871	0.00107
0.85735	-0.13367	0.0038	-0.00321	0.94481	-0.07674	0.09763	-0.22898	5.68E-07
0.6073	-0.08589	0.06367	-0.06013	0.19459	0.099919	0.03086	-0.0333	0.47284
0.68201	-0.11153	0.0159	-0.20114	1.19E-05	-0.1908	3.32E-05	-0.24219	1.17E-07
0.01257	0.065613	0.15688	0.156898	0.00067	0.14341	0.00189	0.213761	3.15E-06
0.17535	-0.14817	0.00132	-0.11475	0.01309	-0.21331	3.30E-06	-0.25846	1.45E-08
1.21E-07	-0.01065	0.81843	-0.11397	0.01373	-0.07779	0.09314	-0.06409	0.16674
0.82565	-0.0385	0.40655	-0.15994	0.00052	-0.16164	0.00045	-0.19263	2.78E-05
0.00057	0.041364	0.37247	-0.04736	0.30713	-0.02297	0.62046	-0.00481	0.91742
0.40982	-0.08401	0.0697	-0.15003	0.00115	-0.20483	8.12E-06	-0.23729	2.12E-07
1.50E-08	0.008149	0.86058	-0.0028	0.95182	0.0246	0.59592	-0.04282	0.35586
0.01267	0.163752	0.00038	0.133184	0.00394	0.160939	0.00048	0.257333	1.69E-08
4.93E-08	-0.13146	0.00443	0.055205	0.23377	-0.16775	0.00027	-0.21091	4.28E-06
0.0346	0.09542	0.03928	0.012593	0.78607	0.05567	0.22985	0.135392	0.00337
1.97E-09	0.09057	0.05046	-0.11524	0.01271	-0.14762	0.00138	0.000559	0.99039
0.44808	0.053909	0.24495	0.179963	9.21E-05	0.266931	4.64E-09	0.222991	1.13E-06
0.09929	0.043072	0.35302	0.185389	5.56E-05	0.269663	3.18E-09	0.200533	1.26E-05
0.81803	0.18852	4.13E-05	-0.08018	0.08346	0.038809	0.40274	-0.07713	0.09596
0.0001	-0.17586	0.00013	-0.04943	0.28641	0.021155	0.64839	-0.10854	0.01896
2.18E-08	0.126665	0.00613	0.14455	0.00174	0.139317	0.00255	0.235368	2.67E-07
0.00099	0.207763	5.98E-06	0.193707	2.50E-05	0.239491	1.62E-07	0.349279	7.61E-15
0.86997	0.010365	0.82323	-0.03709	0.42389	-0.04125	0.37373	-0.02453	0.59704
0.70697	-0.01751	0.7059	0.229922	5.09E-07	-0.03926	0.39725	-0.08421	0.06904
0.99905	-0.04404	0.34226	0.013539	0.77044	0.092871	0.04486	0.063038	0.17384
3.08E-10	0.193718	2.50E-05	-0.12042	0.00919	-0.10027	0.03027	0.091151	0.049
0.02915	0.017598	0.70446	-0.07212	0.11961	-0.06388	0.16812	-0.04868	0.29383
1.88E-12	0.147298	0.00141	0.095917	0.03827	0.053957	0.24452	0.23009	4.99E-07
0.00639	0.049566	0.28511	0.062765	0.17572	0.087856	0.05781	0.149912	0.00116
0.00021	-0.22441	9.63E-07	-0.09484	0.04049	-0.19452	2.31E-05	-0.36031	9.21E-16
0.12556	0.092612	0.04547	0.012703	0.78425	-0.04085	0.3784	0.014919	0.74778
0.14348	-0.08424	0.06895	0.202855	9.96E-06	0.14503	0.00168	0.046608	0.31487
0.00989	0.056952	0.21928	0.179455	9.64E-05	0.146245	0.00153	0.140761	0.0023

0.00127	0.03645	0.43196	-0.02375	0.60863	0.003839	0.93406	-0.01821	0.69473
0.17461	0.254056	2.59E-08	0.163137	0.0004	0.205997	7.19E-06	0.365488	3.32E-16
0.00013	0.066517	0.15123	-0.08107	0.0801	-0.02605	0.57442	-0.00431	0.92597
0.05223	0.120947	0.00889	0.093057	0.04444	0.134556	0.00358	0.196401	1.91E-05
0.01054	-0.09625	0.0376	-0.1561	0.00071	-0.01772	0.70254	-0.09765	0.0349
0.40629	-0.01156	0.8033	-0.21734	2.13E-06	-0.1487	0.00127	-0.14508	0.00167
1.48E-05	0.033156	0.47475	-0.203	9.81E-06	-0.16754	0.00028	-0.11501	0.01289
5.64E-08	0.010674	0.81805	-0.00761	0.86972	0.038508	0.4064	0.058941	0.20358
0.88373	0.061295	0.18607	0.141312	0.00221	0.122749	0.00792	0.074058	0.10997
3.43E-06	0.141712	0.00214	0.083459	0.07156	0.203769	9.07E-06	0.301578	2.83E-11
0.45849	0.063918	0.1679	-0.06665	0.15041	-0.03485	0.45242	-0.05593	0.22764
0.39451	-0.15465	0.0008	0.106214	0.0217	0.103787	0.0249	0.001	0.98281
0.00085	0.14354	0.00187	0.002651	0.95443	-0.08839	0.05629	0.037939	0.41337
0.47068	-0.13553	0.00334	0.005799	0.90054	-0.20779	5.96E-06	-0.26397	6.95E-09
0.35635	0.142339	0.00205	0.090921	0.04957	0.219877	1.61E-06	0.274977	1.51E-09
0.00536	-0.13678	0.00306	-0.18975	3.68E-05	-0.31014	7.18E-12	-0.32909	2.94E-13
0.69962	-0.0954	0.03931	0.068436	0.13976	-0.10849	0.01902	-0.13657	0.0031
0.42107	-0.14958	0.00119	-0.03637	0.43296	-0.14374	0.00185	-0.11711	0.01132
0.42648	-0.10874	0.01874	-0.0698	0.13201	-0.0186	0.68849	-0.09594	0.03821
0.91064	-0.00973	0.83388	-0.08993	0.05212	-0.13759	0.00289	-0.10815	0.0194
0.14576	0.076255	0.09979	-0.06249	0.17763	-0.01193	0.79702	0.086811	0.06086
0.00094	0.106536	0.0213	-0.18062	8.67E-05	-0.11758	0.011	0.039377	0.39588
2.72E-11	0.101446	0.02838	0.253876	2.65E-08	0.246564	6.76E-08	0.295318	7.49E-11
0.02949	0.0273	0.5562	-0.17526	0.00014	-0.04468	0.33529	0.01005	0.82852
0.35969	0.005963	0.89773	0.054802	0.23721	-0.05018	0.27915	-0.04129	0.37332
0.00013	0.185857	5.32E-05	0.021953	0.63607	-0.08595	0.06347	0.077071	0.0962
0.93698	0.040399	0.38373	-0.11112	0.01629	-0.00045	0.99231	0.025323	0.58516
0.05202	0.084216	0.06902	0.217002	2.21E-06	0.16991	0.00023	0.225834	8.18E-07
0.00919	0.051691	0.26493	-0.14471	0.00172	-0.12439	0.00712	0.00727	0.8755
0.24455	0.016621	0.72016	-0.05962	0.19838	-0.05005	0.28044	-0.02673	0.56447
0.45991	-0.01579	0.73361	-0.04091	0.37773	-0.16356	0.00039	-0.04036	0.38422
0.70678	-0.00598	0.89746	0.053844	0.24551	-0.10372	0.02499	-0.05981	0.19698
0.13325	0.132923	0.00401	0.043169	0.35194	-0.02117	0.64815	0.046373	0.31732
0.00122	0.05958	0.19871	0.007017	0.87979	-0.0043	0.92615	0.114761	0.01308
0.16033	-0.10952	0.01791	0.135693	0.0033	-0.13679	0.00306	-0.1369	0.00303
0.06331	0.109306	0.01813	0.013246	0.77526	0.052111	0.26107	0.1475	0.00139
4.21E-11	0.126551	0.00617	0.312781	4.67E-12	0.105757	0.02227	0.113575	0.01406
5.82E-10	0.037368	0.42045	-0.07588	0.10146	-0.07774	0.09333	-0.07548	0.10328
0.00054	0.034133	0.46181	0.046779	0.3131	-0.07482	0.10635	-0.03143	0.49801
0.73361	0.204829	8.12E-06	0.177067	0.00012	-0.00089	0.98476	0.076184	0.10011
0.93651	0.001881	0.96766	0.044186	0.3407	-0.08129	0.07929	-0.03009	0.5166
0.35479	0.00293	0.94964	0.06941	0.1342	-0.06945	0.13398	0.006144	0.89465
0.96628	0.008034	0.86253	-0.07746	0.09455	-0.09747	0.03523	-0.07485	0.10622
0.86398	-0.02862	0.53733	-0.10914	0.01831	-0.06434	0.16512	-0.12615	0.00634
0.8613	0.048756	0.29306	-0.07221	0.11917	-0.02012	0.66449	0.027615	0.55165

0.45635	0.05057	0.27545	0.075737	0.10212	0.079274	0.08704	0.13411	0.00369
0.46221	0.436822	3.51E-23	0.192795	2.73E-05	0.106359	0.02152	0.239114	1.70E-07
0.65615	-0.00687	0.88233	-0.23216	3.91E-07	-0.21137	4.07E-06	-0.12602	0.0064
0.21508	-0.01013	0.82721	-0.00403	0.9308	-0.10624	0.02166	-0.10396	0.02466
1.12E-08	0.118225	0.01056	0.351975	4.58E-15	0.300652	3.27E-11	0.31294	4.54E-12
0.71915	0.140612	0.00232	0.132952	0.004	0.190256	3.50E-05	0.271939	2.32E-09
0.2207	0.024417	0.59867	0.003864	0.93363	-0.1153	0.01266	-0.03283	0.47914
0.21632	-0.03992	0.38942	-0.08786	0.0578	-0.0632	0.17274	-0.18019	9.02E-05
0.00626	-0.14249	0.00202	-0.05608	0.22646	-0.19288	2.71E-05	-0.27701	1.13E-09
0.8015	-0.1237	0.00744	-0.12003	0.00942	-0.27245	2.16E-09	-0.31621	2.65E-12
0.19551	-0.08999	0.05197	-0.07186	0.12097	-0.0758	0.10183	-0.16135	0.00046
0.88555	-0.15186	0.00099	-0.16119	0.00047	-0.17004	0.00022	-0.31437	3.59E-12
0.00554	-0.06074	0.19007	-0.03586	0.43945	-0.05657	0.22243	-0.10803	0.01953
0.7156	0.130061	0.00488	0.025142	0.58785	0.127812	0.00567	0.187105	4.73E-05
0.76065	-0.07995	0.08438	-0.03231	0.48613	-0.0479	0.30163	-0.16443	0.00036
0.00034	-0.02843	0.53997	0.152771	0.00093	0.059948	0.19595	-0.00613	0.89484
0.30476	0.006656	0.88594	-0.03305	0.4761	0.000459	0.9921	0.0282	0.54325
0.00029	-0.17118	0.0002	0.049842	0.28243	0.052192	0.26032	-0.11783	0.01082
0.02946	-0.04028	0.38512	-0.15717	0.00065	-0.14475	0.00171	-0.174	0.00016
0.0566	-0.02722	0.55735	0.157743	0.00062	0.370985	1.10E-16	0.244025	9.28E-08
0.00261	0.032968	0.47725	-0.1158	0.01227	-0.04001	0.38839	0.018573	0.68891
0.95093	0.040501	0.38253	-0.08124	0.07945	-0.0706	0.12766	-0.03318	0.47438
0.3227	0.257945	1.56E-08	0.031223	0.50089	0.077422	0.0947	0.211091	4.20E-06
0.84366	-0.09817	0.03393	-0.09227	0.04626	-0.25191	3.42E-08	-0.1861	5.20E-05
0.41344	-0.00272	0.95323	-0.00493	0.9154	-0.04787	0.3019	-0.07487	0.10611
0.81618	0.088729	0.05535	-0.06531	0.1588	-0.06247	0.17776	0.033893	0.46498
0.71739	0.046626	0.31468	0.092924	0.04474	0.071082	0.12505	0.140359	0.00236
0.0098	0.101497	0.0283	-0.00057	0.99016	-0.03739	0.4202	0.027309	0.55608
0.01702	-0.18947	3.77E-05	-0.02011	0.66466	-0.04789	0.30172	-0.08821	0.0568
0.07525	-0.06494	0.16121	-0.32901	2.99E-13	-0.15837	0.00059	-0.17374	0.00016
1.37E-08	-0.03858	0.40558	-0.06952	0.13355	0.030673	0.50847	-0.05597	0.22733
3.25E-13	0.043465	0.34864	-0.12507	0.00681	-0.11516	0.01277	-0.04958	0.28496
0.74158	0.005344	0.9083	0.118809	0.01018	0.002039	0.96495	0.056703	0.22131
0.20975	0.246045	7.21E-08	0.047104	0.30975	0.195849	2.02E-05	0.314512	3.51E-12
0.00484	-0.00595	0.89803	-0.0903	0.05115	-0.05307	0.25238	-0.0617	0.18315
0.19722	0.127443	0.00582	-0.01026	0.82494	0.232578	3.73E-07	0.185459	5.53E-05
0.00219	-0.03747	0.41917	-0.13064	0.00469	-0.22626	7.79E-07	-0.31741	2.17E-12
0.00176	0.118692	0.01025	-0.05819	0.20942	0.00041	0.99295	0.141515	0.00217
0.06386	-0.13063	0.00469	-0.12101	0.00885	-0.21626	2.39E-06	-0.35095	5.56E-15
0.29388	0.084106	0.06939	-0.01054	0.82024	0.042517	0.35927	0.08984	0.05236
3.06E-07	0.066561	0.15096	0.216571	2.32E-06	0.273346	1.90E-09	0.331321	1.99E-13
0.21012	0.034785	0.4533	0.031056	0.50318	0.147279	0.00141	0.126823	0.00606
4.08E-07	0.227769	6.54E-07	-0.04072	0.37994	0.043795	0.345	0.206683	6.69E-06
0.38109	0.165906	0.00032	0.037191	0.42265	0.150955	0.00107	0.154727	0.00079
0.39722	0.189447	3.78E-05	0.034933	0.45138	0.136259	0.00317	0.302067	2.62E-11

0.05345	0.128275	0.0055	0.051841	0.26355	-0.0054	0.90738	0.081682	0.07784
0.57473	-0.03995	0.38905	-0.15261	0.00094	-0.07238	0.11827	-0.12268	0.00795
0.24845	0.032418	0.48464	-0.17365	0.00016	-0.13267	0.00408	-0.11138	0.01604
0.20937	0.067599	0.14468	-0.10626	0.02164	-0.12967	0.00501	-0.09697	0.03618
0.63122	0.019583	0.67296	-0.07595	0.10116	-0.08524	0.0657	-0.05426	0.24192
1.57E-12	0.006023	0.89672	0.095043	0.04007	0.026274	0.57114	0.130743	0.00466
0.07457	0.100713	0.02955	0.053724	0.24658	0.139511	0.00251	0.192338	2.86E-05
0.04401	0.232989	3.55E-07	0.102929	0.02613	0.16355	0.00039	0.255913	2.03E-08
0.38188	0.026434	0.5688	-0.15735	0.00064	-0.15892	0.00057	-0.12419	0.00721
0.81745	0.000176	0.99697	-0.02772	0.55014	-0.07647	0.09885	-0.05285	0.25436
0.30392	0.07526	0.10431	-0.08361	0.07106	-0.03633	0.43347	0.012871	0.78146
0.60862	0.082722	0.07411	0.114868	0.013	0.25945	1.27E-08	0.242914	1.07E-07
0.37984	0.181019	8.36E-05	0.047398	0.30673	0.052642	0.25623	0.238659	1.80E-07
0.00024	0.014183	0.75983	0.280062	7.29E-10	0.236225	2.41E-07	0.169318	0.00024
0.39488	0.081277	0.07933	-0.02163	0.64105	-0.05752	0.21475	0.025552	0.58178
0.926	-0.01458	0.75338	0.122829	0.00788	-0.05126	0.26892	0.003897	0.93307
0.39233	-0.01727	0.70964	0.311737	5.54E-12	0.241706	1.24E-07	0.195386	2.12E-05
0.02444	-0.10883	0.01865	0.118622	0.0103	0.125873	0.00646	-0.09533	0.03946
0.91823	0.477819	5.20E-28	0.109697	0.01772	0.136175	0.00319	0.24896	4.99E-08
0.71668	0.05208	0.26135	0.03422	0.46068	0.02349	0.61262	0.09015	0.05155
4.14E-05	-0.04911	0.28957	-0.23221	3.89E-07	-0.18703	4.76E-05	-0.16414	0.00037
2.08E-11	0.020552	0.65777	-0.15117	0.00105	-0.21321	3.34E-06	-0.12285	0.00787
0.44871	-0.18835	4.20E-05	0.204418	8.48E-06	-0.04059	0.38147	-0.08481	0.06707
0.0003	0.066888	0.14896	-0.00853	0.85418	0.203432	9.39E-06	0.186516	5.00E-05
0.01266	0.002306	0.96036	-0.14695	0.00145	-0.10518	0.02302	-0.07841	0.09057
0.47806	0.010646	0.81851	0.071991	0.12028	-0.18806	4.32E-05	-0.14234	0.00205
0.28257	0.172148	0.00019	0.113216	0.01437	0.273724	1.80E-09	0.284803	3.65E-10
1.26E-05	0.064886	0.16154	0.023564	0.6115	0.091536	0.04805	0.082076	0.07641
0.7796	-0.01389	0.76468	0.006433	0.88973	0.003413	0.94136	-0.0505	0.2761
0.45785	-0.06876	0.1379	-0.02137	0.64505	0.019969	0.66689	-0.11039	0.01701
0.89882	-0.06234	0.17866	-0.01415	0.76045	0.030446	0.51161	-0.03898	0.40063
0.05683	0.428078	3.11E-22	-0.004	0.93136	0.151276	0.00104	0.335973	8.73E-14
7.72E-06	-0.16365	0.00038	0.141943	0.00211	-0.22622	7.82E-07	-0.33283	1.53E-13
2.96E-06	-0.03507	0.44955	-0.07219	0.11926	-0.07504	0.10532	-0.07016	0.13004
0.36857	-0.08558	0.06462	0.313981	3.83E-12	0.336185	8.40E-14	0.236831	2.24E-07
0.10201	-0.01016	0.82667	0.122245	0.00818	0.114686	0.01314	0.069788	0.13208
0.00516	-0.18405	6.31E-05	0.03385	0.46553	0.018938	0.68313	-0.12858	0.00539
0.26512	0.006975	0.88051	-0.1031	0.02588	0.027846	0.54833	-0.0456	0.32551
0.12237	0.128945	0.00526	0.004911	0.91571	0.081146	0.07981	0.07478	0.10654
1.02E-06	0.137751	0.00285	0.273167	1.95E-09	0.327865	3.65E-13	0.292776	1.10E-10
0.00245	-0.10325	0.02566	0.165896	0.00032	0.26007	1.17E-08	0.086797	0.0609
0.20363	0.170289	0.00022	-0.08822	0.05676	-0.16092	0.00048	-0.01457	0.7535
1.21E-08	0.066923	0.14875	0.215283	2.67E-06	0.221283	1.37E-06	0.184341	6.14E-05
0.09011	0.167717	0.00027	0.032282	0.48647	0.129095	0.00521	0.26486	6.16E-09
2.79E-05	0.082231	0.07585	0.142477	0.00203	0.041512	0.37075	0.121942	0.00834

0.00106	0.088458	0.05611	-0.09707	0.03599	0.026315	0.57055	0.136852	0.00304
0.7858	-2.05E-05	0.99965	-0.203	9.82E-06	-0.12939	0.0051	-0.17388	0.00016
0.77456	-0.05223	0.25995	-0.11145	0.01598	-0.05759	0.21416	-0.06249	0.17764
0.00125	0.016619	0.7202	0.002707	0.95348	0.014758	0.75041	0.031742	0.49379
0.00699	-0.02213	0.6334	-0.06945	0.13398	-0.09657	0.03695	-0.07795	0.09248
3.13E-06	0.177896	0.00011	0.02295	0.62082	0.122428	0.00808	0.2334	3.38E-07
0.16756	0.078024	0.09215	0.27931	8.13E-10	0.056631	0.22189	0.196051	1.98E-05
0.06306	0.073229	0.11402	0.033374	0.47184	-0.02869	0.53623	0.05812	0.20996
0.66003	0.080898	0.08074	-0.0801	0.08381	-0.02262	0.62583	0.108512	0.019
4.90E-09	0.000726	0.98752	-0.07102	0.12537	0.054133	0.24299	-0.02416	0.60251
0.14815	0.002382	0.95905	0.108881	0.01859	-0.14296	0.00195	-0.08623	0.06261
0.06794	0.270827	2.71E-09	0.003917	0.93272	0.092889	0.04482	0.23778	2.00E-07
0.00332	-0.01229	0.7911	-0.01218	0.79286	-0.09094	0.04954	0.028705	0.53606
0.7921	-0.05178	0.26412	0.061271	0.18625	0.014317	0.75765	-0.03597	0.43805
4.20E-05	0.013954	0.7636	-0.0514	0.26759	-0.0454	0.3276	-0.04073	0.37989
6.20E-11	0.167444	0.00028	0.051643	0.26538	0.152931	0.00091	0.21519	2.69E-06
0.51897	-0.0682	0.14114	-0.12995	0.00491	-0.06964	0.13289	-0.10125	0.02868
3.18E-11	-0.06966	0.1328	0.009515	0.83751	0.003175	0.94545	-0.03838	0.40799
0.02621	-0.03782	0.41489	-0.22305	1.12E-06	-0.27046	2.85E-09	-0.29923	4.08E-11
0.02796	-0.02395	0.60572	-0.05119	0.26961	-0.07562	0.10268	-0.01479	0.74984
0.42585	0.075246	0.10437	0.067478	0.1454	-0.02876	0.53521	0.027753	0.54967
0.03949	0.197251	1.76E-05	0.121364	0.00866	0.119377	0.00982	0.253264	2.87E-08
3.98E-07	-0.0424	0.36059	0.15493	0.00078	0.04414	0.34121	0.00663	0.88637
0.07303	0.160583	0.00049	-0.04169	0.36865	0.107771	0.01983	0.157399	0.00064
0.0009	-0.04405	0.34221	-0.03652	0.43106	-0.07812	0.09173	-0.12392	0.00734
0.10744	0.011918	0.79728	0.358416	1.33E-15	0.209702	4.87E-06	0.179423	9.67E-05
0.28976	0.003729	0.93595	-0.04392	0.34361	-0.03888	0.40189	-0.02939	0.5264
0.88733	-0.00507	0.91291	0.030274	0.51399	0.035144	0.44865	0.063477	0.17086
0.68033	0.062776	0.17564	-0.09395	0.04242	-0.03544	0.44488	0.044406	0.33831
0.31078	-0.01765	0.70355	0.044816	0.33386	0.02711	0.55896	-0.05113	0.27012
0.24658	-0.09064	0.0503	0.036329	0.43349	-0.00209	0.964	-0.1491	0.00123
0.53759	-0.09525	0.03963	-0.02793	0.5471	-0.04442	0.33817	-0.16418	0.00037
0.69157	-0.0657	0.15631	-0.05263	0.25635	0.039024	0.40013	-0.10851	0.019
0.85347	0.015961	0.73083	-0.17239	0.00018	0.02365	0.61021	0.043508	0.34817
0.39686	0.021499	0.64307	-0.08581	0.06392	0.014677	0.75174	-0.02097	0.65127
0.87378	0.11132	0.0161	0.087623	0.05848	0.179237	9.84E-05	0.153382	0.00088
0.72884	-0.01465	0.75224	0.00913	0.844	-0.02754	0.55275	-0.04592	0.32207
0.52486	-0.02992	0.51892	-0.05951	0.19925	-0.07176	0.1215	-0.13598	0.00324
0.32777	0.009778	0.83308	-0.07194	0.12055	-0.05806	0.21041	-0.11487	0.013
0.00216	0.074959	0.1057	-0.02044	0.65955	-0.10654	0.0213	0.003986	0.93155
0.26219	0.401041	1.80E-19	-0.10182	0.02779	-0.0562	0.22542	0.179499	9.61E-05
0.49049	0.032467	0.48397	0.138491	0.00271	0.129489	0.00507	0.135491	0.00335
0.59779	0.163033	0.0004	0.019941	0.66733	0.071662	0.12199	0.21449	2.91E-06
0.46735	-0.06104	0.18795	-0.13399	0.00372	-0.23447	2.97E-07	-0.26548	5.66E-09
1.59E-07	0.061429	0.18511	0.07206	0.11993	0.039501	0.3944	0.101837	0.02777

0.09975	-0.01278	0.78302	-0.23348	3.35E-07	-0.13811	0.00278	-0.15589	0.00072
0.00128	0.132495	0.00413	0.044709	0.33502	0.038813	0.40269	0.185254	5.64E-05
0.8308	-0.0883	0.05656	0.161461	0.00046	0.277495	1.05E-09	0.024689	0.5946
0.80772	0.028699	0.53614	0.011708	0.80078	0.081153	0.07979	0.084491	0.06812
0.58008	0.049359	0.28712	0.028717	0.53589	0.143425	0.00189	0.153111	0.0009
0.54527	0.149983	0.00115	0.273838	1.77E-09	0.25577	2.07E-08	0.189826	3.65E-05
0.04419	0.065184	0.15962	0.078608	0.08973	0.090319	0.05111	0.098341	0.03362
0.93204	2.88E-05	0.9995	0.052415	0.2583	0.108264	0.01927	0.073849	0.11098
4.18E-12	0.062946	0.17447	0.006533	0.88802	-0.04066	0.38066	0.020906	0.65226
4.91E-05	0.049515	0.2856	0.092366	0.04605	0.07745	0.09458	0.055288	0.23307
0.02377	-0.04743	0.30639	-0.01165	0.80175	-0.00941	0.83923	-0.04662	0.31477
0.92259	0.021919	0.6366	0.046345	0.31761	0.003124	0.94632	-0.01019	0.82617
0.97085	-0.01987	0.66847	-0.02198	0.63571	-0.03321	0.47406	-0.05799	0.21099
0.84475	0.030365	0.51274	-0.08726	0.05953	-0.09009	0.05171	-0.04237	0.36098
0.8656	0.025966	0.57566	-0.114	0.0137	-0.10495	0.02332	-0.06745	0.1456
0.92071	-0.04356	0.34763	0.073348	0.11343	-0.00968	0.83476	-0.0543	0.24152
0.73551	-0.02877	0.53513	0.067794	0.14352	-0.00041	0.99288	-0.03329	0.47298
0.20361	0.123369	0.00761	-0.03028	0.51396	0.013723	0.7674	0.114594	0.01321
0.07702	-1.15E-05	0.9998	0.073458	0.11289	0.047652	0.30414	0.078158	0.09159
0.81788	0.321784	1.04E-12	-0.00393	0.93257	0.016913	0.71545	0.150522	0.0011
0.88373	0.007963	0.86374	-0.00571	0.90203	-0.02097	0.6512	-0.00686	0.8824
0.10909	0.231966	4.01E-07	0.25606	1.99E-08	0.245324	7.89E-08	0.329641	2.68E-13
0.72882	-0.02267	0.6251	-0.02528	0.5858	-0.03881	0.40274	-0.02535	0.58479
0.03004	-0.08654	0.06166	-0.00299	0.94864	-0.05996	0.1959	-0.08174	0.07764
0.28913	0.01621	0.72681	-0.00484	0.91693	-0.05462	0.23875	-0.00174	0.97007
0.4362	-0.09672	0.03667	-0.03233	0.48588	-0.12368	0.00745	-0.0632	0.17275
0.00401	-0.04254	0.35896	-0.1472	0.00142	-0.01291	0.78083	-0.01556	0.73741
0.00219	-0.19885	1.50E-05	-0.16869	0.00025	-0.24225	1.16E-07	-0.31621	2.65E-12
2.79E-07	0.201633	1.13E-05	-0.04579	0.32346	-0.02174	0.6393	0.0606	0.19112
0.63086	0.021802	0.63839	-0.00535	0.90816	-0.03657	0.43042	-0.03353	0.46971
0.00255	-0.02101	0.65059	-0.05783	0.21228	-0.0077	0.86816	-0.02769	0.55056
0.24713	-0.03056	0.50999	0.099797	0.03107	0.091493	0.04815	0.125004	0.00684
0.00017	0.148369	0.0013	0.076629	0.09814	0.087936	0.05758	0.171535	0.0002
0.04728	-0.17375	0.00016	0.019846	0.66882	-0.09727	0.0356	-0.22699	7.16E-07
0.93919	0.297136	5.66E-11	0.137984	0.00281	0.111832	0.01561	0.285351	3.36E-10
0.77294	-0.12806	0.00558	-0.13906	0.0026	-0.11647	0.01177	-0.19978	1.36E-05
0.12695	-0.03233	0.48579	-0.05268	0.25593	0.043504	0.34821	-0.06416	0.1663
0.33039	-0.1494	0.0012	-0.08948	0.05332	-0.14159	0.00216	-0.19942	1.41E-05
6.38E-05	0.158495	0.00059	0.030778	0.50702	-0.00801	0.86298	0.13282	0.00404
1.48E-15	-0.0278	0.549	-0.01309	0.77791	0.074542	0.10766	0.00997	0.82986
0.03941	0.048929	0.29135	-0.09288	0.04485	-0.12257	0.00801	-0.03821	0.41006
0.78593	-0.0187	0.68692	-0.12586	0.00646	-0.04804	0.30017	-0.08025	0.08322
1.06E-05	0.067069	0.14787	0.087724	0.05819	0.046959	0.31124	0.143581	0.00187
0.28167	0.044503	0.33725	-0.10952	0.0179	0.023093	0.61864	0.043121	0.35248
0.00842	0.029903	0.51918	0.101072	0.02897	0.110521	0.01688	0.125358	0.00668

0.01133	0.141418	0.00219	0.166461	0.0003	0.121869	0.00838	0.190002	3.59E-05
0.86212	-0.00665	0.88599	0.075996	0.10095	-0.08299	0.07317	-0.12433	0.00714
0.24247	-0.0442	0.34056	-0.0776	0.09395	-0.00583	0.89996	-0.08035	0.08283
0.23883	0.043227	0.3513	0.019427	0.67541	0.031304	0.49978	0.029913	0.51903
0.39377	0.093599	0.04321	-0.14387	0.00183	-0.0762	0.10003	0.115838	0.01225
2.40E-07	0.027282	0.55646	0.080037	0.08403	0.086566	0.06159	0.087477	0.0589
0.00024	0.162695	0.00042	0.110404	0.017	0.064151	0.16635	0.182079	7.58E-05
0.51969	0.018555	0.68921	-0.05182	0.26374	-0.09203	0.04685	-0.07936	0.08671
0.59513	0.026664	0.56545	0.016589	0.72067	-0.01774	0.7022	0.013144	0.77696
4.46E-06	0.080365	0.08277	0.156497	0.00069	-0.00071	0.98775	0.068137	0.1415
0.68355	0.066055	0.1541	0.006335	0.89139	0.025566	0.58156	0.074166	0.10946
0.00765	0.080911	0.08069	-0.00947	0.83821	-0.04207	0.36435	-0.01732	0.70891
0.65767	0.078302	0.09099	0.091027	0.04931	0.143029	0.00194	0.144071	0.0018
0.03425	0.058455	0.20734	0.10593	0.02205	0.120506	0.00914	0.067711	0.14402
0.05973	0.060851	0.18929	0.040034	0.38805	0.008807	0.84945	0.121398	0.00864
0.80695	0.038071	0.41176	-0.16808	0.00026	-0.08518	0.0659	-0.0686	0.1388
1.04E-10	0.081823	0.07732	0.302663	2.38E-11	0.18292	7.01E-05	0.253338	2.84E-08
0.0008	0.172119	0.00019	0.2941	9.03E-11	0.119934	0.00948	0.2057	7.42E-06
0.07642	-0.05754	0.21455	0.163024	0.0004	0.084265	0.06886	-0.03071	0.50793
0.77085	0.146685	0.00148	0.307878	1.04E-11	0.263813	7.10E-09	0.291085	1.43E-10
0.17228	0.307877	1.04E-11	0.33705	7.19E-14	0.301618	2.81E-11	0.340061	4.18E-14
0.91283	0.210184	4.62E-06	-0.01243	0.78874	0.109805	0.01761	0.202355	1.05E-05
0.02706	0.104233	0.02428	0.167897	0.00027	0.125435	0.00664	0.246845	6.52E-08
0.05283	-0.01268	0.78458	-0.19151	3.10E-05	-0.2133	3.31E-06	-0.13378	0.00378
0.00258	0.049966	0.28124	0.047435	0.30635	-0.04036	0.38418	0.04779	0.30274
0.51045	0.085649	0.06441	0.023323	0.61515	0.065524	0.15745	0.113905	0.01378
0.43388	0.033946	0.46428	0.019598	0.67271	0.036745	0.42824	0.036546	0.43075
0.00022	-0.13586	0.00326	0.061261	0.18632	-0.16677	0.0003	-0.22256	1.19E-06
4.14E-05	0.013056	0.7784	0.01204	0.79526	0.042934	0.35457	0.089364	0.05362
0.80973	0.008453	0.85544	-0.09262	0.04544	-0.10987	0.01755	-0.13987	0.00245
0.03063	-0.13562	0.00332	-0.31805	1.95E-12	-0.24865	5.19E-08	-0.33184	1.82E-13
0.11136	-0.14907	0.00123	-0.34816	9.39E-15	-0.26252	8.45E-09	-0.35284	3.88E-15
0.00013	0.143554	0.00187	0.098246	0.03379	0.137243	0.00296	0.234079	3.12E-07
0.01694	0.047045	0.31034	-0.03038	0.51253	0.034448	0.45769	-0.00029	0.99494
0.04607	-0.06986	0.1317	0.071478	0.12295	0.014095	0.76128	-0.07394	0.11056
0.0965	-0.08625	0.06254	0.100375	0.0301	0.062807	0.17543	0.08683	0.0608
2.10E-05	0.085063	0.06626	-0.07057	0.12781	-0.11494	0.01293	0.039071	0.39958
0.00923	0.093074	0.0444	-0.1498	0.00117	-0.06107	0.18767	0.027279	0.55651
0.25906	0.106227	0.02168	-0.1524	0.00095	-0.09542	0.03928	0.050806	0.27321
0.00877	-0.01892	0.68341	0.165046	0.00034	0.186245	5.13E-05	0.25456	2.43E-08
0.24999	-0.09324	0.04402	0.086028	0.06323	0.081122	0.0799	0.034355	0.45891
0.59679	-0.05425	0.24198	-0.07315	0.11441	-0.07746	0.09452	-0.17435	0.00015
0.00644	-0.01103	0.81216	-0.14243	0.00203	-0.1051	0.02312	-0.06065	0.19074
0.85489	-0.02817	0.54371	0.107207	0.02049	-0.03716	0.42303	-0.05107	0.27077
0.00163	0.060712	0.1903	-0.04383	0.34461	-0.1187	0.01025	-0.00238	0.95909



0.6873	-0.00339	0.94176	0.104969	0.02329	0.010657	0.81833	-0.01456	0.75358
0.94299	-0.05438	0.24087	0.012384	0.78954	-0.07735	0.095	-0.13204	0.00426
1.21E-09	0.005619	0.90361	-0.01091	0.81407	-0.02859	0.53763	0.026233	0.57175
2.03E-05	0.012458	0.7883	-0.01266	0.7849	-0.01409	0.76134	0.043221	0.35136
0.84081	-0.04883	0.29237	-0.20736	6.23E-06	-0.22902	5.66E-07	-0.16364	0.00038
0.00888	0.11436	0.0134	-0.02881	0.5345	-0.03301	0.47672	0.007467	0.87215
0.14602	0.020981	0.65109	0.027608	0.55176	-0.09786	0.0345	-0.06489	0.16149
0.33574	0.08131	0.0792	-0.09519	0.03977	-0.07666	0.09799	-0.04263	0.35803
0.21616	0.008334	0.85746	0.026691	0.56505	-0.00466	0.92002	-0.00135	0.97674
0.05876	0.055203	0.23379	0.049911	0.28177	0.043763	0.34535	0.068579	0.13893
0.71651	0.015289	0.74176	0.080766	0.08124	0.041077	0.3758	0.064026	0.16718
0.02822	-0.03375	0.46693	-0.0159	0.73189	-0.00345	0.94074	-0.01629	0.7255
7.74E-05	-0.18232	7.41E-05	0.014288	0.75812	-0.04351	0.34819	-0.20201	1.09E-05
0.1602	-0.06112	0.18733	-0.02673	0.56442	0.021772	0.63887	0.000525	0.99097
0.99633	-0.06379	0.16876	-0.1198	0.00956	-0.17936	9.73E-05	-0.15934	0.00055
0.12443	-0.02405	0.60424	-0.02577	0.57849	-0.05689	0.21974	-0.06468	0.16288
2.08E-06	0.009819	0.83239	-0.03731	0.42114	0.048849	0.29214	-0.01595	0.73101
0.02749	0.035576	0.44309	-0.06864	0.13858	-0.07419	0.10935	-0.10222	0.02719
0.55293	-0.06204	0.18076	-0.07651	0.09865	-0.1221	0.00825	-0.20489	8.07E-06
0.67538	-0.06472	0.16259	-0.1382	0.00276	-0.16457	0.00036	-0.22862	5.93E-07
2.60E-16	-0.09428	0.0417	-0.02357	0.61148	-0.1537	0.00086	-0.2178	2.02E-06
0.77098	-0.07372	0.11161	-0.08491	0.06677	-0.06769	0.14415	-0.15145	0.00103
0.00031	-0.00371	0.93635	0.136632	0.00309	0.080937	0.0806	0.098472	0.03338
0.05599	0.011036	0.81199	0.149025	0.00124	-0.00671	0.88497	0.019312	0.67722
0.00044	0.123833	0.00738	0.048537	0.29524	-0.00226	0.96109	0.108678	0.01881
0.81931	-0.02843	0.53996	-0.08494	0.06665	-0.23307	3.51E-07	-0.15017	0.00113
0.47592	0.022343	0.63009	-0.23981	1.56E-07	-0.00215	0.96312	0.005734	0.90164
0.1651	0.104012	0.02459	-0.08597	0.06342	-0.0595	0.19934	0.003947	0.93221
0.46778	-0.02492	0.59123	0.052387	0.25854	0.049788	0.28295	0.011498	0.80428
7.30E-05	-0.03706	0.42431	-0.02375	0.60874	0.057447	0.2153	-0.0682	0.14111
0.02074	-0.27586	1.33E-09	-0.0356	0.44277	-0.17109	0.0002	-0.28703	2.62E-10
0.01152	-0.29998	3.64E-11	-0.07122	0.12434	-0.18728	4.65E-05	-0.29537	7.43E-11
2.56E-07	-0.02447	0.5979	-0.06659	0.15079	-0.00042	0.99269	-0.0055	0.90572
0.77404	0.017831	0.70073	-0.04298	0.35409	-0.08536	0.06532	-0.02021	0.66315
0.00521	0.008957	0.84692	-0.12277	0.00791	-0.05334	0.24999	-0.10514	0.02307
2.65E-08	0.146585	0.00149	0.040092	0.38736	0.128853	0.00529	0.303582	2.06E-11
0.03769	0.081364	0.079	0.403075	1.14E-19	0.190976	3.26E-05	0.125081	0.0068
0.00012	0.087478	0.05889	0.174678	0.00015	0.082161	0.0761	0.165818	0.00032
0.21527	0.046477	0.31624	0.018353	0.69241	-0.04209	0.36409	-0.01759	0.70456
0.00012	0.175577	0.00014	0.054807	0.23716	0.1758	0.00013	0.261647	9.50E-09
0.75363	-0.04533	0.32832	-0.20626	7.00E-06	-0.15656	0.00069	-0.19848	1.56E-05
0.90343	0.170129	0.00022	0.072911	0.11561	0.098328	0.03364	0.296504	6.24E-11
1.07E-06	0.108828	0.01865	0.188432	4.17E-05	0.145874	0.00157	0.184444	6.08E-05
0.20049	0.004203	0.92783	0.064311	0.1653	-0.11216	0.01531	-0.0472	0.30879
1.83E-09	0.07448	0.10795	0.116944	0.01144	-0.02627	0.57119	0.088634	0.05562

2.70E-06	0.017918	0.69934	0.080466	0.08238	0.1033	0.02559	0.176659	0.00012
0.67069	-0.02834	0.54132	6.89E-05	0.99882	-0.16527	0.00034	-0.1794	9.69E-05
0.06176	-0.01584	0.73278	0.103797	0.02489	0.058557	0.20654	0.024103	0.60338
0.01227	0.059927	0.19611	0.331547	1.91E-13	0.030863	0.50584	0.089186	0.05411
0.00958	0.050617	0.275	0.006166	0.89428	-0.08525	0.06566	0.038006	0.41256
0.86645	-0.001	0.98275	0.094508	0.04121	0.045295	0.32872	0.051247	0.26906
0.17976	-0.1144	0.01337	0.126022	0.00639	-0.02923	0.52868	-0.14225	0.00206
0.00952	-0.00072	0.98756	0.06912	0.13583	-0.15463	0.0008	-0.11132	0.01609
2.86E-11	0.179542	9.57E-05	0.087013	0.06026	0.031585	0.49593	0.113297	0.0143
3.48E-05	0.062486	0.17765	0.130268	0.00481	0.074336	0.10864	0.159779	0.00053
0.48895	-0.04211	0.36388	-0.13883	0.00264	-0.14355	0.00187	-0.0436	0.34715
0.00191	0.018414	0.69145	-0.00013	0.99771	-0.09558	0.03895	-0.02076	0.65456
0.46671	-0.05703	0.21862	-0.01154	0.80352	-0.17815	0.00011	-0.15007	0.00114
0.00258	0.051846	0.26351	0.106739	0.02105	0.147783	0.00136	0.191248	3.18E-05
0.39932	0.014416	0.75601	0.038295	0.409	-0.03353	0.46979	-0.02956	0.52402
2.96E-15	0.198351	1.58E-05	0.047032	0.31048	0.030954	0.50458	0.112221	0.01525
1.13E-07	0.180003	9.17E-05	0.119708	0.00962	0.139389	0.00254	0.222276	1.23E-06
5.47E-05	0.008638	0.8523	0.415229	6.87E-21	0.10183	0.02778	0.116878	0.01148
0.24428	0.183167	6.85E-05	0.269367	3.32E-09	0.183855	6.43E-05	0.353454	3.45E-15
0.00558	-0.01115	0.81007	-0.08567	0.06436	-0.11065	0.01675	-0.02276	0.62369
0.59266	-0.13901	0.00261	-0.12442	0.0071	-0.21258	3.57E-06	-0.20394	8.91E-06
0.40911	0.060957	0.18851	0.068428	0.13981	-0.07654	0.09851	0.07437	0.10848
0.00024	-0.00135	0.97679	0.058627	0.206	-0.01137	0.80644	-0.01245	0.78837
0.55763	0.259763	1.22E-08	0.125656	0.00655	0.127964	0.00562	0.131374	0.00446
0.67605	0.026414	0.56909	0.023937	0.60587	0.052797	0.25483	0.078231	0.09129
0.72369	-0.0148	0.74966	-0.0604	0.19256	-0.04283	0.35569	-0.00815	0.8605
0.78107	-0.01019	0.82624	0.275651	1.37E-09	0.032297	0.48626	0.044614	0.33604
2.17E-05	-0.08414	0.06929	-0.26613	5.18E-09	-0.24881	5.08E-08	-0.24518	8.03E-08
0.72041	-0.14118	0.00223	-0.2549	2.32E-08	-0.25202	3.37E-08	-0.30962	7.82E-12
0.32705	0.027115	0.55888	-0.02189	0.63706	0.059129	0.20214	0.058764	0.20494
0.01314	-0.01656	0.72115	-0.01674	0.7182	0.078198	0.09142	0.002122	0.96352
0.19052	0.004312	0.92596	-0.11219	0.01528	-0.15318	0.0009	-0.08005	0.08398
0.78864	0.055601	0.23043	-0.07702	0.09642	-0.04705	0.31026	0.045372	0.32789
0.03312	-0.00616	0.89431	-0.05763	0.21387	-0.11122	0.0162	-0.09496	0.04025
0.03435	0.000261	0.99552	-0.11693	0.01144	-0.07492	0.1059	-0.06827	0.14072
0.04128	-0.00375	0.93553	-0.09044	0.05081	-0.05785	0.21207	-0.04737	0.30699
0.07311	-0.15754	0.00063	-0.17646	0.00013	-0.12676	0.00609	-0.22228	1.23E-06
0.1816	0.124997	0.00684	0.03744	0.41955	0.031256	0.50043	0.143169	0.00192
0.0304	0.090739	0.05003	-0.00942	0.83913	-0.03703	0.42464	0.036181	0.43536
0.67253	-0.02278	0.62338	0.042305	0.36167	-0.07058	0.12772	-0.10334	0.02553
0.83199	-0.0113	0.80764	0.086354	0.06224	0.016592	0.72063	-0.06708	0.14782
0.43644	-0.0152	0.74325	0.053192	0.25129	-0.04825	0.29809	-0.00934	0.8405
0.01907	0.018301	0.69325	-0.05711	0.21803	-0.01209	0.79444	0.048129	0.29932
1.06E-11	0.012043	0.7952	-0.04332	0.35029	-0.04282	0.35582	-0.03748	0.41899
0.012	0.021261	0.64675	0.013337	0.77376	0.150521	0.0011	0.131206	0.00451

0.37103	-0.01585	0.7327	0.066626	0.15056	-0.09908	0.03231	-0.09818	0.03391
0.77512	-0.0124	0.7892	-0.03755	0.41815	0.011134	0.81035	-0.04196	0.36555
0.35921	0.004925	0.91546	0.032957	0.4774	-0.05215	0.26072	-0.0867	0.06118
0.00051	0.03881	0.40272	-0.00374	0.93574	-0.03997	0.38878	0.000132	0.99773
0.1379	-0.10624	0.02167	-0.19852	1.55E-05	-0.10206	0.02743	-0.2119	3.85E-06
2.91E-05	0.074812	0.10639	0.014104	0.76113	0.079157	0.08751	0.148137	0.00133
0.08733	-0.01102	0.81231	0.084789	0.06715	0.068379	0.14009	0.006227	0.89323
0.00251	0.138981	0.00261	0.098243	0.0338	0.057049	0.21849	0.15506	0.00077
1.06E-07	0.031145	0.50196	-0.08134	0.0791	-0.0764	0.09913	-0.05021	0.27886
0.44221	0.052667	0.256	0.079938	0.08442	0.19825	1.59E-05	0.183799	6.46E-05
0.50253	-0.16799	0.00027	-0.18245	7.32E-05	-0.1863	5.11E-05	-0.30258	2.41E-11
0.68747	0.125532	0.0066	0.158049	0.00061	0.179514	9.59E-05	0.272003	2.30E-09
0.77208	0.080328	0.08291	0.190617	3.38E-05	0.257182	1.72E-08	0.313938	3.86E-12
0.02533	-0.02218	0.63257	0.022465	0.62822	-0.01885	0.68449	0.008899	0.8479
0.5673	-0.00431	0.92595	-0.13122	0.0045	-0.21919	1.73E-06	-0.16066	0.00049
0.02922	-0.11348	0.01414	0.056357	0.22414	-0.04955	0.28528	0.018648	0.68773
0.00077	0.132696	0.00407	0.124139	0.00723	0.158322	0.00059	0.140604	0.00232
1.15E-08	-0.01121	0.80909	0.202427	1.04E-05	0.14491	0.00169	0.024501	0.5974
0.04676	0.128481	0.00543	0.006586	0.88713	0.13153	0.00441	0.284534	3.79E-10
0.03297	-0.0195	0.67424	0.071062	0.12515	-0.1009	0.02924	-0.05285	0.25434
1.75E-07	-0.0647	0.16272	-0.02394	0.60583	-0.00789	0.86499	-0.01917	0.67939
0.61317	0.003416	0.94131	0.12511	0.00679	0.035105	0.44915	0.011779	0.79959
0.84186	0.1031	0.02588	0.137442	0.00292	0.230155	4.96E-07	0.364027	4.43E-16
0.16911	0.04143	0.3717	-0.13273	0.00406	-0.11971	0.00962	-0.03506	0.44974
0.02981	0.035228	0.44757	-0.03025	0.51433	-0.01389	0.76465	0.020192	0.66339
0.58851	0.015956	0.73091	0.027317	0.55596	0.032621	0.48191	0.042014	0.36499
0.45282	0.019172	0.67944	-0.06545	0.15794	0.054543	0.23943	0.017559	0.70509
0.21029	0.108265	0.01927	-0.03233	0.48578	-0.00654	0.88795	0.196357	1.92E-05
0.15078	0.029479	0.52511	-0.02988	0.51945	-0.04805	0.30017	0.035576	0.44309
2.14E-10	-0.01893	0.68329	-0.12966	0.00501	-0.10332	0.02557	-0.13086	0.00462
0.35305	0.118031	0.01069	0.210432	4.50E-06	0.246009	7.24E-08	0.329008	2.99E-13
0.70841	0.047596	0.30471	0.043372	0.34968	0.020171	0.66373	0.008671	0.85175
0.73148	-0.05162	0.2656	-0.0847	0.06742	-0.02535	0.5847	-0.10744	0.02021
0.52276	0.008958	0.84691	-0.08371	0.0707	-0.0791	0.08772	-0.04257	0.35869
0.67517	-0.00172	0.97048	-0.09107	0.04919	-0.07605	0.10069	-0.06038	0.19275
0.00214	0.068125	0.14157	0.356445	1.95E-15	0.28221	5.33E-10	0.311149	6.09E-12
0.02059	-0.02948	0.52515	-0.04287	0.35529	0.028338	0.54129	0.005286	0.9093
0.40205	-0.05089	0.27238	-0.01825	0.69402	-0.03605	0.43706	-0.08623	0.06263
0.93752	0.031967	0.49074	-0.03868	0.40431	-0.04381	0.34484	-0.03418	0.46123
0.8206	-0.0515	0.2667	0.139359	0.00254	0.072985	0.11524	-0.02262	0.6258
0.50112	-0.06514	0.15991	0.127953	0.00562	0.121224	0.00873	0.015466	0.73887
0.89838	0.006307	0.89187	-0.05492	0.23624	-0.0082	0.85974	-0.05505	0.23509
0.97764	0.001738	0.97013	-0.09189	0.04718	-0.0143	0.75788	-0.06456	0.16364
0.38273	0.021178	0.64804	-0.01154	0.80366	-0.00924	0.84211	-0.00327	0.94379
0.84549	-0.01627	0.72583	0.117366	0.01114	0.028135	0.54419	-0.00607	0.89587

0.06476	0.038495	0.40657	0.079682	0.08542	0.011751	0.80006	0.017097	0.71249
0.64932	-0.0331	0.47553	0.109369	0.01807	-0.00713	0.8779	0.018059	0.6971
0.47046	0.039103	0.39919	-0.04256	0.35874	-0.10074	0.02951	0.058926	0.20369
1.93E-13	0.03803	0.41226	0.009296	0.84121	-0.08281	0.07381	-0.01092	0.81397
0.07324	-0.10467	0.02369	-0.05941	0.2	-0.11042	0.01698	-0.18858	4.11E-05
0.01119	0.026837	0.56293	-0.04021	0.38591	-0.06546	0.15783	-0.05328	0.25053
0.03896	0.026859	0.56261	0.034128	0.46188	0.006541	0.88789	0.041201	0.37436
0.873	0.037749	0.41572	-0.17122	0.0002	-0.06923	0.13521	-0.06697	0.14845
0.65787	-0.01481	0.74953	-0.13237	0.00416	-0.08553	0.06478	-0.10494	0.02333
0.26265	0.056417	0.22364	-0.15424	0.00083	-0.08778	0.05801	-0.06124	0.1865
0.78455	0.00057	0.9902	-0.08953	0.05317	-0.04529	0.32873	-0.05447	0.24008
0.76402	0.023381	0.61428	-0.05603	0.22686	-0.01451	0.75441	-0.03886	0.4021
0.97578	-0.01	0.82942	-0.06328	0.1722	-0.0595	0.19933	-0.02154	0.64247
0.00235	0.11055	0.01685	-0.09404	0.04222	-0.06667	0.15027	-0.00957	0.83655
0.75985	-0.01654	0.7214	0.06857	0.13899	0.004614	0.92079	-0.03373	0.46708
0.80889	0.081434	0.07874	-0.07156	0.12252	-0.04885	0.29209	0.00673	0.88467
0.99114	0.012669	0.7848	-0.08909	0.05436	-0.05855	0.20661	-0.03493	0.45139
0.97596	0.03404	0.46304	-0.02572	0.57932	-0.02705	0.55976	0.044556	0.33667
0.86587	-0.08772	0.05818	-0.09919	0.0321	-0.05578	0.22893	-0.13074	0.00466
0.77806	-0.07614	0.1003	-0.12367	0.00746	-0.05039	0.27719	-0.16572	0.00032
0.71572	-0.02657	0.56689	-0.04757	0.30495	-0.03663	0.42966	-0.03461	0.45563
3.89E-09	0.255755	2.08E-08	-0.10961	0.01781	-0.03024	0.51441	0.022536	0.62714
0.13488	-0.04702	0.31061	-0.08134	0.0791	-0.07715	0.09588	-0.09879	0.03281
0.9026	0.032041	0.48973	-0.03384	0.46568	0.000902	0.9845	-0.00122	0.97901
0.74048	-0.00179	0.9692	-0.02039	0.66037	7.51E-05	0.99871	-0.01471	0.75128
0.78184	-0.0367	0.42882	-0.27789	9.97E-10	-0.24279	1.08E-07	-0.19677	1.85E-05
0.7633	-0.02407	0.60387	-0.06365	0.16971	-0.03508	0.44944	-0.05004	0.28051
0.79884	-0.01895	0.68293	-0.04294	0.35452	-0.04115	0.37494	-0.03807	0.41182
0.12287	0.030029	0.51742	0.020617	0.65677	-0.02412	0.60306	0.01904	0.68152
0.60719	-0.01873	0.68647	0.052913	0.25379	-0.03087	0.50578	-0.00294	0.94952
0.00969	-0.00623	0.8932	-0.07956	0.0859	-0.10199	0.02754	-0.08286	0.07362
0.02014	0.106282	0.02161	0.125209	0.00674	0.207805	5.95E-06	0.212565	3.58E-06
0.54053	-0.00344	0.94095	0.050371	0.27735	-0.0187	0.68691	-0.01521	0.743
0.80806	-0.01069	0.81778	0.017426	0.70722	-0.03501	0.45043	-0.02166	0.64059
0.31361	0.019639	0.67207	0.102301	0.02706	0.132402	0.00415	0.093112	0.04431
0.04079	0.048081	0.29981	-0.11373	0.01392	-0.1327	0.00407	-0.02618	0.57258
0.42547	0.059733	0.19756	-0.11368	0.01397	-0.09585	0.03839	-0.09953	0.03152
6.45E-16	0.19293	2.70E-05	0.037811	0.41496	0.050781	0.27345	0.17521	0.00014
0.32759	-0.01	0.82928	-0.09372	0.04295	-0.07498	0.10562	-0.07495	0.10574
0.36384	-0.02481	0.59281	0.068175	0.14128	0.053032	0.25272	0.017194	0.71093
0.02524	0.003013	0.94822	0.02821	0.54312	0.035681	0.44174	0.109365	0.01807
0.65685	0.009225	0.84241	0.128366	0.00547	0.117324	0.01117	0.096838	0.03644
0.01536	-0.05068	0.27437	-0.04767	0.30393	-0.06572	0.15623	-0.11108	0.01633
0.22643	-0.05372	0.24662	-0.0306	0.50944	-0.12104	0.00884	-0.09891	0.0326
0.34996	-0.02556	0.58164	-0.05025	0.27846	-0.01085	0.81506	-0.01842	0.69136

0.78944	0.065748	0.15603	0.044451	0.33782	-0.03913	0.39881	0.050237	0.27863
0.99765	-0.00525	0.90983	-0.02441	0.59876	-0.03263	0.48178	0.006181	0.89402
0.06321	0.111264	0.01615	0.126097	0.00636	0.166588	0.0003	0.175749	0.00013
0.4097	-0.00526	0.90975	-0.1291	0.00521	-0.15655	0.00069	-0.10123	0.02872
0.39415	-0.01328	0.77475	-0.10399	0.02461	-0.09574	0.03863	-0.09673	0.03664
0.27753	0.010468	0.8215	-0.02347	0.61297	-0.06549	0.15764	0.005536	0.90503
0.89271	-0.01984	0.66895	0.018554	0.68922	-0.00927	0.84168	-0.02234	0.63015
0.58927	-0.0311	0.50257	-0.02027	0.66221	-0.07086	0.12626	-0.05659	0.22225
0.99488	-0.01332	0.77402	-4.16E-06	0.99993	0.018065	0.69701	-0.0022	0.96221
0.03278	0.226249	7.80E-07	0.015084	0.7451	-0.03939	0.39569	0.094183	0.04191
0.05223	-0.03688	0.42648	-0.07715	0.09586	-0.08567	0.06433	-0.00969	0.83458
0.38184	-0.01183	0.79873	-0.14296	0.00195	-0.06226	0.17925	-0.08222	0.07591
0.0422	0.073206	0.11413	0.051914	0.26287	0.153452	0.00088	0.146971	0.00145
0.19465	-0.00199	0.96571	0.069957	0.13115	-0.04382	0.34473	0.006802	0.88345
0.66649	-0.02988	0.51956	-0.05292	0.2537	-0.05453	0.23956	-0.06024	0.19378
0.5854	-0.01227	0.79151	0.038944	0.4011	-0.01182	0.79883	-0.03749	0.41893
2.16E-07	-0.0266	0.56636	-0.1122	0.01528	-0.11083	0.01658	-0.08503	0.06637
0.00012	-0.22284	1.15E-06	-0.02141	0.6444	-0.14476	0.00171	-0.22541	8.58E-07
0.06864	0.091022	0.04932	0.098598	0.03315	0.124288	0.00716	0.147894	0.00135
0.90598	0.001922	0.96695	-0.09811	0.03403	-0.20517	7.84E-06	-0.19624	1.95E-05
0.09975	-0.08654	0.06168	0.291204	1.40E-10	-0.03943	0.39529	-0.05611	0.22621
0.5591	0.004785	0.91787	0.018197	0.6949	-0.11612	0.01203	-0.09419	0.0419
0.97572	0.037401	0.42004	0.067976	0.14245	0.029182	0.5293	-0.02532	0.58525
0.36774	0.011829	0.79877	-0.02332	0.61518	-0.05034	0.27762	-0.0373	0.4213
0.02569	0.065405	0.15821	-0.04674	0.31348	-0.0469	0.31184	-0.03513	0.44882
4.72E-06	-0.15442	0.00081	-0.11717	0.01127	-0.15132	0.00104	-0.33329	1.41E-13
0.6178	-0.07487	0.10613	-0.01006	0.82835	0.034312	0.45947	-0.10698	0.02076
0.00241	-0.09235	0.04609	0.035567	0.44321	0.106881	0.02088	-0.05513	0.23444
0.0894	-0.21848	1.88E-06	-0.23923	1.67E-07	-0.27491	1.52E-09	-0.41155	1.63E-20
0.10446	-0.08851	0.05595	-0.00759	0.87013	-0.07922	0.08727	-0.17347	0.00017
0.00032	0.057281	0.21663	0.11712	0.01131	0.150574	0.0011	0.229325	5.46E-07
0.03633	0.011688	0.80111	-0.03209	0.48908	0.016402	0.72369	-0.0119	0.79756
0.26323	-0.03187	0.492	-0.127	0.00599	-0.09753	0.03511	-0.10602	0.02194
0.0437	0.02537	0.58446	0.124316	0.00715	-0.01244	0.78866	0.0625	0.17755
1.42E-05	0.134041	0.00371	0.070318	0.12917	0.07039	0.12878	0.176498	0.00013
0.05446	0.053249	0.25078	-0.03072	0.50778	0.088771	0.05524	0.133317	0.0039
0.00198	-0.17958	9.53E-05	0.221361	1.36E-06	0.218722	1.83E-06	0.029642	0.52283
0.00109	-0.01229	0.79102	0.118813	0.01018	0.035297	0.44667	0.015849	0.73265
0.00011	-0.10496	0.0233	0.099201	0.03209	-0.03139	0.49854	-0.15728	0.00065
0.04703	-0.0271	0.55917	0.075294	0.10415	0.13667	0.00308	-0.01814	0.69575
0.09714	-0.20284	9.97E-06	0.149346	0.00121	-0.05696	0.21924	-0.12975	0.00498
0.07623	-0.0084	0.85632	-0.23053	4.74E-07	-0.14798	0.00134	-0.12913	0.00519
0.53705	-0.00917	0.8434	-0.05985	0.19671	-0.05065	0.27469	-0.03039	0.51237
0.47529	-0.02042	0.6599	-0.0258	0.57816	-0.058	0.21092	-0.0448	0.33408
0.6032	0.062704	0.17613	-0.09598	0.03813	-0.04681	0.31275	-0.00446	0.9235

0.9165	-0.20842	5.58E-06	-0.13178	0.00434	-0.17837	0.00011	-0.15664	0.00068
0.14463	0.211502	4.02E-06	0.074743	0.10671	0.070769	0.12672	0.200451	1.27E-05
0.68363	0.106096	0.02184	-0.18608	5.21E-05	-0.20881	5.35E-06	-0.18531	5.61E-05
0.55441	-0.12658	0.00616	0.074728	0.10678	-0.06019	0.19413	-0.11096	0.01645
0.03797	0.073633	0.11203	-0.00755	0.8708	-0.02391	0.60626	-0.02113	0.64874
4.00E-14	0.111714	0.01572	0.317313	2.20E-12	0.31344	4.19E-12	0.262046	9.01E-09
0.37202	0.036945	0.42574	0.040947	0.37731	0.021122	0.64891	0.124991	0.00684
0.94891	0.321346	1.12E-12	0.06263	0.17665	-0.00275	0.95276	0.075608	0.10271
0.82345	0.001764	0.96967	-0.06839	0.14001	-0.06016	0.19437	-0.0805	0.08225
0.11431	0.072885	0.11574	-0.14849	0.00129	-0.09246	0.04583	0.002634	0.95473
0.92255	0.037948	0.41326	-0.07661	0.09822	0.055834	0.22848	0.041361	0.3725
0.15016	-0.04855	0.29515	0.271709	2.39E-09	0.115378	0.0126	0.079583	0.08581
0.57763	-0.01886	0.6844	0.016116	0.72832	-0.0824	0.07526	-0.06065	0.19077
0.67614	0.209584	4.93E-06	0.295388	7.41E-11	0.194589	2.29E-05	0.291959	1.25E-10
0.23679	0.033641	0.4683	-0.03589	0.43905	-0.04813	0.29932	0.012218	0.79229
0.58741	-0.07589	0.10142	-0.06327	0.17226	-0.11679	0.01154	-0.22677	7.34E-07
0.00379	0.050637	0.27481	0.261731	9.40E-09	0.185997	5.25E-05	0.243697	9.67E-08
0.00033	0.189224	3.86E-05	-0.00944	0.83875	0.096479	0.03714	0.158533	0.00058
0.48151	-0.05111	0.27037	-0.05082	0.27312	-0.05894	0.20357	-0.13385	0.00376
0.02443	-0.0498	0.28282	-0.14805	0.00133	-0.07506	0.10525	-0.15593	0.00072
0.11729	-0.03197	0.49068	-0.12528	0.00671	-0.03452	0.45681	-0.11224	0.01524
0.32667	-0.12002	0.00943	-0.18406	6.30E-05	-0.17088	0.00021	-0.3006	3.30E-11
0.0001	0.017182	0.71112	-0.07416	0.10946	-0.02681	0.56337	-0.01559	0.73692
9.49E-05	0.065706	0.1563	-0.11729	0.01119	-0.0449	0.33299	0.077726	0.0934
0.36788	-0.04398	0.34292	-0.20664	6.72E-06	-0.08007	0.0839	-0.067	0.14826
0.27739	0.133764	0.00378	-0.09241	0.04594	-0.1023	0.02706	-0.00706	0.8791
5.54E-05	0.031798	0.49303	0.115024	0.01287	0.163835	0.00038	0.171217	0.0002
4.74E-12	0.041204	0.37432	0.121597	0.00853	0.043564	0.34755	0.069214	0.1353
0.05211	0.004811	0.91742	-0.01151	0.804	-0.02152	0.64275	-0.02866	0.53664
0.16649	-0.14082	0.00229	-0.20474	8.20E-06	-0.21391	3.10E-06	-0.27519	1.46E-09
0.35521	0.085555	0.0647	0.003548	0.93905	0.180225	8.99E-05	0.234651	2.91E-07
0.74409	-0.05891	0.20381	-0.14346	0.00188	-0.11854	0.01035	-0.14373	0.00185
0.00233	0.009691	0.83455	-0.05629	0.22467	-0.03949	0.39453	-0.00334	0.94263
0.00052	-0.00351	0.93969	-0.01561	0.7366	-0.06997	0.13107	-0.03131	0.49969
0.00732	0.145199	0.00165	0.149059	0.00124	0.298119	4.86E-11	0.310281	7.02E-12
0.01328	-0.14143	0.00219	-0.19233	2.86E-05	-0.24932	4.76E-08	-0.32029	1.34E-12
0.25172	-0.19891	1.49E-05	-0.08886	0.055	-0.18632	5.10E-05	-0.2936	9.74E-11
0.67266	0.211529	4.00E-06	0.152116	0.00097	-0.03727	0.42166	0.164564	0.00036
0.00257	0.09943	0.03169	0.111618	0.01581	0.05659	0.22223	0.187237	4.67E-05
0.00473	0.097405	0.03535	0.254443	2.46E-08	0.236956	2.21E-07	0.290748	1.50E-10
0.20431	0.080552	0.08205	-0.04586	0.32275	0.057587	0.21418	0.190075	3.56E-05
0.00698	-0.01899	0.68233	0.177254	0.00012	-0.00214	0.96328	-0.06833	0.14038
0.00325	0.116455	0.01179	0.053505	0.24851	0.10554	0.02255	0.080698	0.0815
0.49594	-0.13081	0.00463	-0.03496	0.45105	-0.064	0.16732	-0.18542	5.55E-05
0.1692	-0.04631	0.31802	-0.18	9.18E-05	-0.13923	0.00257	-0.08715	0.05986

0.98637	-0.01612	0.72824	-0.0591	0.20235	-0.01005	0.82848	-0.01312	0.77733
0.99673	-0.01355	0.7703	-0.05724	0.21697	-0.0076	0.86989	-0.01287	0.78148
3.03E-05	0.141551	0.00217	-0.25016	4.28E-08	-0.05371	0.24667	0.027925	0.5472
0.47096	0.055884	0.22806	0.005308	0.90892	-0.05569	0.22967	0.011059	0.81161
0.0002	0.053372	0.24969	-0.03005	0.51711	-0.00261	0.95511	0.049883	0.28204
0.04697	0.033974	0.46391	-0.03892	0.40139	-0.05235	0.2589	0.096935	0.03625
0.82021	0.073251	0.11391	-0.14701	0.00144	-0.16534	0.00033	-0.0073	0.87507
0.06262	0.021933	0.63638	-0.1278	0.00568	-0.08496	0.06661	-0.06242	0.1781
9.01E-05	0.080178	0.08349	-0.02529	0.58565	-0.03661	0.42991	0.027457	0.55394
0.95006	-0.01764	0.70372	-0.01705	0.7133	0.063981	0.16748	-0.02011	0.66468
0.00169	-0.2089	5.30E-06	0.254275	2.52E-08	-0.05641	0.22371	-0.15879	0.00057
0.00021	0.121686	0.00848	0.103369	0.02549	0.060754	0.18999	0.113441	0.01417
0.18002	0.045841	0.3229	-0.13045	0.00475	-0.04636	0.31748	-0.04593	0.32193
0.0104	0.028631	0.53711	0.100306	0.03021	0.059941	0.196	0.061647	0.18355
7.98E-10	-0.15326	0.00089	-0.1836	6.58E-05	-0.1618	0.00045	-0.31712	2.27E-12
0.00035	0.197845	1.66E-05	0.079904	0.08455	0.169318	0.00024	0.334946	1.05E-13
0.00252	-0.04319	0.35167	0.127814	0.00567	-0.00916	0.84343	-0.00203	0.96502
4.27E-09	0.049403	0.28669	-0.10568	0.02237	-0.0505	0.27609	0.098683	0.033
0.4329	0.056447	0.2234	0.251575	3.57E-08	0.258209	1.50E-08	0.327704	3.75E-13
5.01E-05	-0.13701	0.00301	-0.15586	0.00073	-0.24816	5.52E-08	-0.29943	3.96E-11
0.00091	0.009247	0.84202	-0.00721	0.87656	0.055621	0.23026	0.014058	0.7619
0.11141	0.036452	0.43193	-0.07602	0.10086	-0.09297	0.04464	-0.06922	0.13524
0.00027	-0.02523	0.58662	-0.22423	9.82E-07	-0.17325	0.00017	-0.15041	0.00111
3.84E-05	-0.04875	0.29316	0.040334	0.3845	-0.06978	0.13213	-0.17213	0.00019
0.35588	0.017145	0.71172	0.189773	3.67E-05	-0.04457	0.33649	-0.04763	0.30433
0.47516	-0.03206	0.48941	-0.1908	3.32E-05	-0.24627	7.01E-08	-0.17602	0.00013
0.00039	0.027259	0.5568	-0.25266	3.10E-08	-0.16549	0.00033	-0.1021	0.02737
0.00329	-0.07039	0.12876	0.051905	0.26296	0.042838	0.35566	-0.02564	0.5805
2.88E-05	0.13827	0.00275	-0.00838	0.85669	0.002832	0.95133	0.206287	6.98E-06
8.71E-06	0.065634	0.15675	0.008185	0.85997	0.051457	0.26711	0.059273	0.20104
6.00E-08	0.096466	0.03717	0.240706	1.40E-07	0.238923	1.74E-07	0.281047	6.32E-10
6.15E-11	-0.01662	0.72011	-0.21632	2.38E-06	-0.13324	0.00392	-0.19634	1.93E-05
0.06601	0.088395	0.05628	0.111162	0.01625	0.147611	0.00138	0.125209	0.00674
0.67368	-0.01463	0.75247	0.094216	0.04184	0.112228	0.01525	0.003664	0.93706
0.40708	-0.00785	0.86561	0.086331	0.0623	0.121091	0.00881	0.022187	0.63248
0.01926	-0.17937	9.72E-05	-0.15005	0.00114	-0.06127	0.18624	-0.23724	2.13E-07
0.63482	0.00246	0.95771	0.084975	0.06655	-0.01414	0.7606	0.000159	0.99726
0.70422	-0.00445	0.92352	0.040085	0.38744	-0.01404	0.76217	0.015194	0.74329
0.89378	-0.02341	0.61377	-0.0154	0.74	-0.05029	0.27814	-0.04236	0.36101
0.99322	-0.00633	0.89151	0.039221	0.39776	0.06568	0.15646	0.078302	0.09099
0.95027	-0.01684	0.71657	-0.01031	0.82418	-0.00425	0.92695	-0.01924	0.6784
0.94165	-0.00947	0.83828	-0.02039	0.66023	0.01511	0.74468	-0.0271	0.55916
0.98544	-0.01481	0.74963	0.017725	0.70243	-0.03047	0.51132	-0.01772	0.70255
0.7218	-0.01709	0.71255	-0.06187	0.18196	-0.0551	0.23469	-0.05724	0.21696
0.1943	-0.02407	0.60391	-0.22756	6.70E-07	-0.16814	0.00026	-0.16685	0.00029

0.00071	0.038098	0.41141	-0.03467	0.4548	-0.03964	0.39273	-0.00769	0.86836
1.60E-05	0.012104	0.79418	-0.0004	0.99306	-0.01577	0.73389	-0.00666	0.8859
0.02941	-0.12014	0.00936	0.052277	0.25955	-0.02533	0.58511	-0.18773	4.46E-05
0.59068	-0.02611	0.57352	0.066699	0.15012	-0.03017	0.51543	-0.07567	0.10245
0.00126	-0.16919	0.00024	-0.2336	3.30E-07	-0.11335	0.01425	-0.2473	6.16E-08
0.78335	0.113279	0.01431	0.073552	0.11243	0.024937	0.59089	0.131579	0.0044
0.34621	0.004075	0.93002	0.004221	0.92751	-0.09335	0.04377	-0.07097	0.12566
0.6669	-0.10321	0.02573	0.00368	0.93679	-0.09114	0.04902	-0.19586	2.02E-05
0.05078	-0.07327	0.11381	-0.19815	1.61E-05	-0.21216	3.74E-06	-0.20273	1.01E-05
0.1156	0.021696	0.64003	0.128851	0.00529	-0.03022	0.51477	0.040398	0.38374
0.61867	-0.06252	0.17739	0.184434	6.09E-05	0.210688	4.38E-06	0.029192	0.52916
0.0037	0.176133	0.00013	-0.06941	0.13419	0.12187	0.00838	0.227463	6.78E-07
8.24E-05	0.037369	0.42043	0.029019	0.5316	-0.08043	0.08253	-0.02351	0.61239
0.00277	-0.12866	0.00536	0.053761	0.24625	-0.04132	0.37292	-0.17283	0.00017
0.79017	-0.06248	0.17767	-0.06482	0.16196	-0.13743	0.00292	-0.16879	0.00025
0.17208	-0.00147	0.97478	-0.28588	3.11E-10	-0.27454	1.61E-09	-0.24243	1.13E-07
0.02981	-0.0378	0.41509	-0.15074	0.00108	-0.09333	0.04382	-0.10072	0.02953
0.03578	-0.10172	0.02794	-0.22273	1.16E-06	-0.20018	1.31E-05	-0.21313	3.37E-06
0.34887	0.059545	0.19898	-0.033	0.47678	-0.0867	0.06118	-0.09094	0.04952
1.41E-05	-0.01224	0.79191	0.211593	3.98E-06	0.124515	0.00706	0.085225	0.06575
0.57423	-0.02388	0.60674	-0.03024	0.5144	0.12411	0.00725	-0.00052	0.99111
0.00045	-0.07552	0.1031	0.043155	0.35211	-0.08794	0.05756	-0.19038	3.46E-05
1.13E-05	-0.03682	0.42725	-0.05271	0.2556	-0.1359	0.00325	-0.0888	0.05515
0.84677	0.229786	5.17E-07	0.194039	2.42E-05	0.009736	0.83379	0.129268	0.00515
1.88E-12	0.254982	2.30E-08	0.145051	0.00167	0.129645	0.00502	0.343018	2.43E-14
0.62716	0.137275	0.00295	0.061424	0.18514	0.038963	0.40087	0.103686	0.02504
2.12E-13	0.055163	0.23412	-0.03834	0.40849	-0.06938	0.13438	-0.00708	0.8788
0.0864	0.104526	0.02389	0.329407	2.79E-13	0.266164	5.15E-09	0.267319	4.40E-09
0.9459	-0.01113	0.81046	-0.12946	0.00508	-0.12588	0.00645	-0.06392	0.16787
0.01499	-0.11474	0.01309	-0.19589	2.01E-05	-0.29262	1.13E-10	-0.31043	6.85E-12
0.00194	0.027452	0.55401	0.095342	0.03944	-0.05655	0.22259	0.063974	0.16753
0.02056	0.190679	3.36E-05	0.135745	0.00329	0.167067	0.00029	0.208022	5.81E-06
0.02186	0.045341	0.32823	-0.15416	0.00083	-0.14061	0.00232	-0.03363	0.46848
0.03184	0.001987	0.96584	0.154443	0.00081	0.024111	0.60326	0.063005	0.17407
0.93453	0.431263	1.42E-22	0.014813	0.74953	-0.02866	0.53672	0.142001	0.0021
0.66465	0.161651	0.00045	-0.00777	0.867	-0.00078	0.9866	0.089707	0.05271
0.86681	0.063883	0.16813	-0.12636	0.00625	-0.14399	0.00181	-0.06857	0.13898
0.87318	0.046978	0.31104	0.094928	0.04031	-0.05729	0.21652	0.010678	0.81799
0.89345	0.042935	0.35457	0.091595	0.0479	-0.06147	0.18482	0.006789	0.88366
0.90664	-0.01078	0.81627	-0.11762	0.01097	-0.23916	1.69E-07	-0.12804	0.00559
0.00608	-0.23142	4.27E-07	0.167563	0.00028	-0.12137	0.00865	-0.23595	2.49E-07
0.04809	-0.22621	7.83E-07	0.103728	0.02499	-0.18215	7.53E-05	-0.25336	2.84E-08
0.93079	-0.06665	0.15043	-0.12212	0.00824	-0.2439	9.43E-08	-0.21088	4.29E-06
0.08703	0.053352	0.24986	-0.03761	0.41749	-0.00246	0.95772	0.030128	0.51603
1.41E-09	0.25948	1.27E-08	0.161303	0.00047	0.250746	3.97E-08	0.391429	1.50E-18



0.33836	-0.04154	0.37039	-0.23007	5.00E-07	-0.23599	2.48E-07	-0.18945	3.78E-05
0.00191	-0.01268	0.78458	-0.13138	0.00446	-0.21588	2.50E-06	-0.1317	0.00436
0.99407	0.041145	0.375	-0.11313	0.01444	-0.11641	0.01182	-0.0605	0.19184
0.61029	-0.01658	0.72086	-0.16199	0.00044	-0.17602	0.00013	-0.12068	0.00904
0.02519	-0.03026	0.51419	-0.11198	0.01547	-0.08252	0.07481	-0.06991	0.13139
0.18018	-0.04807	0.29988	-0.10658	0.02124	-0.16976	0.00023	-0.21403	3.06E-06
0.33348	0.012958	0.78002	-0.0084	0.85636	-0.05279	0.25487	-0.03144	0.49793
0.32103	0.178687	0.0001	-0.00155	0.97331	-0.04647	0.31631	0.025141	0.58787
0.8964	0.208255	5.67E-06	0.046447	0.31654	0.07834	0.09084	0.246104	7.16E-08
0.00019	-0.2267	7.41E-07	-0.0251	0.58844	-0.03834	0.40848	-0.12442	0.0071
0.50744	0.142781	0.00198	0.182726	7.14E-05	0.127373	0.00584	0.262532	8.44E-09
6.87E-10	0.006946	0.881	-0.05064	0.27479	0.057678	0.21345	0.043216	0.35142
0.02834	0.020577	0.65739	0.098743	0.0329	-0.09389	0.04256	-0.00711	0.87825
0.00387	0.001071	0.98158	-0.1277	0.00572	-0.21475	2.82E-06	-0.18625	5.13E-05
0.00015	-0.12509	0.0068	-0.17448	0.00015	-0.07769	0.09357	-0.1772	0.00012
0.00377	-0.04934	0.28727	0.026059	0.5743	0.045466	0.32689	-0.03779	0.41516
0.38901	0.160498	0.0005	0.231344	4.31E-07	0.261856	9.24E-09	0.332769	1.54E-13
0.41581	-0.15505	0.00077	0.077695	0.09354	0.013702	0.76774	-0.11354	0.01409
0.90632	0.019137	0.67998	-0.01883	0.6848	-0.0051	0.91239	0.023105	0.61847
1.06E-06	-0.00749	0.87174	-0.18178	7.79E-05	-0.10209	0.02739	-0.11017	0.01724
2.53E-05	-0.00799	0.86326	-0.0615	0.1846	-0.07158	0.12242	-0.09114	0.04902
0.00922	0.070188	0.12988	0.056912	0.2196	0.011108	0.81079	0.101078	0.02896
0.00192	0.00775	0.86735	-0.11843	0.01042	-0.09792	0.03439	-0.03343	0.47113
0.00489	0.052118	0.261	0.303102	2.22E-11	0.220402	1.51E-06	0.327664	3.78E-13
0.12194	0.003011	0.94826	0.190202	3.52E-05	0.108036	0.01953	0.105011	0.02324
0.33355	-0.00704	0.87937	0.014964	0.74705	0.183405	6.70E-05	0.176586	0.00013
5.14E-08	0.07485	0.10621	-0.04465	0.33565	-0.03627	0.43421	0.094839	0.0405
0.1867	0.042096	0.36406	0.37967	1.84E-17	0.331089	2.08E-13	0.282382	5.20E-10
0.01367	0.008461	0.85531	0.134845	0.00351	0.063545	0.1704	0.051617	0.26562
0.05684	0.066163	0.15343	0.046683	0.3141	0.099795	0.03107	0.265684	5.50E-09
0.29989	-0.10699	0.02075	-0.19591	2.01E-05	-0.14902	0.00124	-0.11858	0.01033
6.54E-07	0.072758	0.11637	0.010822	0.81557	0.031951	0.49095	0.025478	0.58287
0.80368	0.035655	0.44208	-0.0706	0.12764	0.000997	0.98286	-0.01967	0.67162
0.04864	-0.0316	0.49573	0.141211	0.00222	0.104242	0.02427	0.077734	0.09337
0.81702	-0.01041	0.82253	-0.08817	0.05692	-0.06758	0.14482	-0.11184	0.0156
0.02614	0.053898	0.24504	-0.04806	0.30003	-0.00809	0.8615	-0.01563	0.73627
0.00606	0.046528	0.3157	-0.00823	0.85928	0.014644	0.75229	-0.011	0.81252
0.09918	0.035203	0.44788	-0.10186	0.02773	-0.01672	0.71851	-0.01013	0.82721
0.02477	0.030747	0.50745	-0.05047	0.27636	-0.00976	0.83339	0.014225	0.75915
1.83E-05	0.158549	0.00058	-0.04382	0.34472	0.068478	0.13952	0.099817	0.03103
0.0409	0.145136	0.00166	0.010906	0.81416	-0.05647	0.22322	0.056482	0.22311
0.54377	-0.0605	0.19182	-0.24627	7.01E-08	-0.14222	0.00206	-0.19869	1.52E-05
0.01486	0.139366	0.00254	0.191387	3.14E-05	0.152036	0.00098	0.246643	6.69E-08
0.77288	0.070555	0.12788	0.18989	3.62E-05	0.24227	1.15E-07	0.320406	1.31E-12
0.23036	0.084334	0.06863	-0.04627	0.31845	-0.07896	0.08832	0.029768	0.52106

0.3469	0.036922	0.42602	0.179256	9.82E-05	0.132736	0.00406	0.164212	0.00037
0.00063	0.071402	0.12335	0.013703	0.76772	-0.02665	0.56568	0.025667	0.58008
0.39233	0.034556	0.45628	0.096005	0.03809	-0.03404	0.46305	0.033671	0.4679
6.05E-12	0.046232	0.31879	-0.00281	0.95162	-0.08791	0.05764	-0.02955	0.52418
0.07873	-0.01124	0.8086	-0.08094	0.0806	-0.12094	0.00889	-0.10081	0.02939
0.0458	-0.04251	0.35935	-0.11514	0.01278	-0.02805	0.54537	-0.05175	0.26434
0.50944	-0.05441	0.24059	0.267306	4.41E-09	0.290527	1.55E-10	0.217772	2.03E-06
0.1843	0.162464	0.00042	0.119995	0.00944	0.195973	2.00E-05	0.325384	5.60E-13
0.07461	0.090392	0.05092	0.054889	0.23647	0.027738	0.54989	0.039702	0.392
0.37075	0.066217	0.15309	-0.03875	0.40349	0.022681	0.62492	0.000315	0.99458
0.09855	-0.13797	0.00281	0.013159	0.77669	-0.03214	0.48836	-0.14564	0.0016
0.30751	0.007217	0.8764	-0.13251	0.00412	-0.09183	0.04732	-0.10408	0.0245
0.88077	0.138691	0.00267	-0.01996	0.66697	-0.01127	0.80812	0.12493	0.00687
0.21668	-0.00567	0.9027	0.062823	0.17532	0.037275	0.42161	0.07443	0.1082
0.00012	0.090439	0.0508	0.162578	0.00042	0.323367	7.91E-13	0.355907	2.16E-15
0.81995	-0.01761	0.70435	0.018479	0.69042	-0.01401	0.76267	-0.05031	0.27796
1.22E-06	-0.04878	0.29285	-0.23064	4.68E-07	-0.24808	5.58E-08	-0.17098	0.00021
0.38237	-0.14963	0.00118	0.160881	0.00048	0.01294	0.78032	-0.09171	0.04761
0.9939	-0.19562	2.07E-05	0.207805	5.95E-06	0.065704	0.15631	-0.05367	0.24706
0.01385	-0.18824	4.25E-05	0.176461	0.00013	0.131152	0.00453	0.091954	0.04703
7.58E-08	-0.01681	0.71717	0.08358	0.07115	-0.0568	0.22054	-0.02745	0.55411
0.00859	0.020364	0.66071	0.03556	0.4433	-0.05669	0.22144	0.021191	0.64785
2.18E-05	-0.1068	0.02097	-0.15902	0.00056	-0.18653	5.00E-05	-0.19889	1.49E-05
9.02E-08	-0.02486	0.5921	0.059778	0.19722	0.022771	0.62355	-0.03005	0.51709
0.00061	-0.00115	0.98028	0.253307	2.85E-08	0.151187	0.00105	0.016376	0.72411
0.10699	0.097818	0.03458	-0.15361	0.00087	0.001837	0.96842	0.065352	0.15854
0.29132	0.025684	0.57983	0.016181	0.72726	-0.04404	0.34225	0.001348	0.97682
0.98595	0.002287	0.96068	-0.03486	0.45237	-0.08197	0.0768	-0.04655	0.31552
0.36375	0.063588	0.17011	-0.12651	0.00619	-0.19256	2.80E-05	-0.10422	0.02431
3.94E-10	0.053411	0.24934	0.031254	0.50047	0.001111	0.9809	0.04153	0.37055
0.10349	-0.13102	0.00457	-0.07039	0.12876	-0.27042	2.87E-09	-0.22797	6.39E-07
0.5859	0.031089	0.50273	-0.11926	0.0099	-0.06183	0.18226	-0.0493	0.28769
0.77951	0.127732	0.00571	0.085288	0.06555	0.151781	0.001	0.210432	4.50E-06
0.35441	0.037034	0.42461	-0.03533	0.44631	-0.11468	0.01315	-0.03568	0.44175
0.02202	-0.00208	0.96427	-0.05018	0.27921	-0.13281	0.00404	-0.10741	0.02025
0.13795	0.067358	0.14612	0.09635	0.0374	-0.01157	0.80313	0.142949	0.00196
1.24E-05	0.014713	0.75115	0.270711	2.75E-09	0.2412	1.32E-07	0.338878	5.17E-14
0.84052	0.067358	0.14612	0.183419	6.69E-05	0.083232	0.07234	0.280252	7.09E-10
0.04248	0.031083	0.50282	0.167252	0.00028	-0.04166	0.36904	0.040303	0.38486
1.20E-05	-0.02025	0.66244	-0.10546	0.02265	-0.05989	0.1964	-0.08646	0.06193
0.02428	-0.0622	0.17966	-0.02158	0.64179	-0.18944	3.78E-05	-0.09192	0.04711
0.00054	0.376764	3.37E-17	0.405692	6.27E-20	0.311304	5.94E-12	0.369446	1.50E-16
0.11891	0.185162	5.68E-05	0.228565	5.97E-07	0.214059	3.05E-06	0.273864	1.77E-09
0.74912	-0.00153	0.97367	0.032379	0.48516	-0.03061	0.50939	-0.00434	0.92555
0.14599	0.058926	0.2037	0.39859	3.11E-19	0.314768	3.36E-12	0.344843	1.74E-14

0.00567	-0.16624	0.00031	0.309927	7.44E-12	0.307654	1.07E-11	0.15259	0.00094
5.71E-09	0.05233	0.25907	0.062604	0.17683	-0.01797	0.69848	0.004908	0.91576
0.71999	0.051106	0.27038	-0.007	0.88011	0.101622	0.0281	0.116665	0.01164
0.99775	-0.01431	0.75771	-0.02364	0.61036	-0.01357	0.76989	-0.00639	0.89045
3.74E-06	0.200549	1.26E-05	0.282426	5.17E-10	0.273753	1.80E-09	0.368147	1.95E-16
0.0124	-0.10757	0.02006	-0.15283	0.00092	-0.1596	0.00054	-0.23189	4.04E-07
3.62E-05	-0.14432	0.00177	-0.07994	0.08439	-0.21994	1.59E-06	-0.31561	2.92E-12
0.7097	0.104992	0.02326	0.183129	6.88E-05	0.227847	6.48E-07	0.223813	1.03E-06
0.00393	0.183003	6.96E-05	0.04911	0.28956	0.054002	0.24413	0.134869	0.0035
0.05355	0.128933	0.00526	0.036063	0.43687	0.008242	0.85902	0.084632	0.06766
0.00355	0.082297	0.07562	0.084621	0.06769	0.026956	0.56119	0.069012	0.13645
0.95305	0.090053	0.0518	-0.0108	0.81602	0.016581	0.72081	0.064642	0.16312
0.55164	-0.08165	0.07795	-0.03989	0.38976	-0.12104	0.00884	-0.22599	8.03E-07
0.8811	-0.01554	0.73768	-0.01347	0.7716	-0.05627	0.22488	-0.04914	0.28923
1.17E-05	0.049897	0.2819	-0.08474	0.06729	-0.01742	0.70729	0.018987	0.68235
3.07E-08	0.139237	0.00256	0.107841	0.01975	0.066992	0.14833	0.171877	0.00019
0.38553	0.006869	0.8823	-0.14156	0.00217	-0.15039	0.00111	-0.12374	0.00743
3.53E-05	0.200963	1.21E-05	0.249742	4.52E-08	0.22764	6.64E-07	0.376265	3.74E-17
0.00184	0.076708	0.09779	0.011681	0.80123	-0.03911	0.39908	0.031006	0.50388
4.54E-08	-0.0689	0.13709	-0.00222	0.96186	-0.04904	0.2903	-0.03697	0.42541
5.96E-08	-0.1125	0.015	-0.02174	0.63939	0.007196	0.87676	-0.11342	0.01419
0.16995	-0.09926	0.03198	-0.14419	0.00178	-0.15245	0.00095	-0.25011	4.31E-08
0.06724	-0.10571	0.02233	-0.0192	0.67898	-0.14005	0.00242	-0.11519	0.01274
0.78503	0.057484	0.215	0.186305	5.10E-05	0.231683	4.14E-07	0.187523	4.55E-05
8.73E-06	-0.19326	2.61E-05	-0.20679	6.62E-06	-0.09169	0.04768	-0.2747	1.57E-09
4.44E-08	0.120684	0.00904	0.127468	0.00581	0.295787	6.97E-11	0.20217	1.07E-05
0.61262	0.06705	0.14798	-0.03746	0.41926	0.027176	0.55801	-0.01651	0.72197
0.26735	0.054854	0.23676	-0.07175	0.12152	-0.0567	0.22135	-0.01508	0.7452
0.38333	-0.04698	0.31098	0.161419	0.00046	0.097011	0.0361	0.186634	4.95E-05
0.87679	0.032873	0.47853	0.002869	0.9507	-0.04688	0.31204	-0.00324	0.94438
0.91309	-0.04607	0.32054	0.131185	0.00452	0.024528	0.597	-0.05968	0.19796
0.18428	-0.08486	0.06692	0.184899	5.83E-05	-0.17156	0.0002	-0.17246	0.00018
0.28664	0.115223	0.01272	0.010692	0.81775	0.148189	0.00132	0.218847	1.80E-06
0.89477	0.044842	0.33358	-0.0873	0.0594	-0.01885	0.68453	-0.00827	0.85847
0.54262	0.067412	0.1458	-0.18545	5.53E-05	-0.16301	0.0004	0.021853	0.63762
0.01194	-0.12848	0.00543	-0.00645	0.88946	-0.21539	2.63E-06	-0.16404	0.00037
0.34484	-0.03922	0.3978	0.178692	0.0001	0.123591	0.0075	0.044655	0.3356
8.86E-08	0.061408	0.18526	-0.11004	0.01737	-0.01596	0.73084	-0.03604	0.43714
0.00034	0.053198	0.25124	0.068479	0.13951	0.034219	0.46068	0.016148	0.7278
0.06549	-0.1159	0.0122	-0.07151	0.12279	-0.12489	0.00689	-0.23227	3.86E-07
0.16877	0.142068	0.00209	-0.03739	0.42023	0.100415	0.03003	0.217325	2.13E-06
0.08155	0.028013	0.54594	-0.13452	0.00359	-0.0649	0.16146	-0.00921	0.84263
0.29262	-0.118	0.01071	0.244265	9.01E-08	0.005493	0.90577	0.028232	0.5428
0.79812	-0.01007	0.82826	-0.07084	0.12634	-0.14235	0.00204	-0.09997	0.03076
0.00941	0.12359	0.0075	0.105437	0.02268	0.103945	0.02468	0.252946	2.99E-08

0.00261	-0.01229	0.79106	0.130524	0.00473	0.001291	0.97781	-0.01344	0.77207
3.04E-05	0.070431	0.12855	0.399437	2.58E-19	0.267222	4.46E-09	0.310475	6.80E-12
0.79899	-0.00949	0.83799	-0.0305	0.51086	-0.03311	0.47531	-0.02522	0.58665
0.01929	-0.00932	0.84085	-0.05861	0.20615	-0.13371	0.00379	-0.04781	0.30256
0.0601	-0.03842	0.40743	-0.10928	0.01816	-0.12947	0.00508	-0.09138	0.04844
1.84E-06	-0.07873	0.08925	-0.15526	0.00076	-0.24717	6.26E-08	-0.16269	0.00042
0.36704	-0.10555	0.02253	-0.03728	0.42155	-0.04067	0.38051	-0.19244	2.83E-05
0.02905	-0.00122	0.97898	0.349429	7.40E-15	0.053322	0.25013	0.058722	0.20527
0.04808	0.078927	0.08844	-0.0257	0.5796	0.112896	0.01465	0.060312	0.19324
0.2493	0.016886	0.71589	-0.09348	0.04347	-0.06173	0.18299	-0.00897	0.84678
0.40643	-0.08645	0.06195	-0.1662	0.00031	-0.24757	5.95E-08	-0.19934	1.43E-05
0.0012	-0.03015	0.51578	0.095165	0.03981	-0.08406	0.06955	-0.0787	0.08935
0.07113	0.056866	0.21998	-0.02756	0.55243	0.158646	0.00058	0.193936	2.44E-05
0.31129	-0.08658	0.06155	-0.08635	0.06224	-0.07859	0.08982	-0.17966	9.46E-05
3.19E-10	0.187742	4.45E-05	0.156939	0.00067	0.272968	2.01E-09	0.353379	3.50E-15
2.44E-05	0.033532	0.46974	-0.10155	0.02822	-0.09306	0.04443	-0.08476	0.06723
0.3006	0.184076	6.29E-05	0.035177	0.44822	0.111749	0.01569	0.238601	1.81E-07
0.09069	0.019193	0.6791	-0.11502	0.01288	-0.1208	0.00897	-0.06956	0.13336
0.04639	0.132259	0.0042	0.052906	0.25385	0.02971	0.52187	0.112742	0.01478
0.24192	0.228819	5.79E-07	-0.00405	0.93051	0.003448	0.94076	0.16563	0.00032
0.34525	-0.03141	0.49829	-0.07178	0.12139	-0.06525	0.15922	-0.07083	0.12638
0.29473	-0.02971	0.52192	0.366146	2.91E-16	0.265716	5.48E-09	0.236135	2.44E-07
0.05914	-0.13553	0.00334	0.107483	0.02017	-0.04572	0.32421	-0.07386	0.11091
3.84E-08	-0.01631	0.72521	0.135202	0.00342	0.143424	0.00189	0.065194	0.15955
0.72379	0.007626	0.86945	0.186184	5.16E-05	0.167934	0.00027	0.1536	0.00087
0.22057	0.005955	0.89788	-0.19818	1.60E-05	-0.13809	0.00278	-0.07384	0.11105
0.00305	0.067325	0.14632	-0.02003	0.66598	0.050739	0.27384	0.078113	0.09178
0.70538	-0.05303	0.25275	-0.24759	5.93E-08	-0.07932	0.08687	-0.14916	0.00123
0.02773	0.115199	0.01273	0.081961	0.07682	0.084775	0.06719	0.169956	0.00022
0.10251	-0.01681	0.71715	0.310358	6.93E-12	0.059901	0.1963	0.041157	0.37486
0.34304	-0.00151	0.97406	0.023521	0.61216	-0.12074	0.00901	-0.07198	0.12032
0.00332	0.139417	0.00253	-0.15253	0.00094	-0.06943	0.13406	0.141326	0.0022
0.00964	-0.0117	0.80097	0.450907	9.10E-25	0.271162	2.58E-09	0.22981	5.16E-07
0.15977	-0.1159	0.01219	0.098711	0.03295	0.117519	0.01103	-0.07468	0.10702
0.03139	0.071702	0.12178	0.172707	0.00018	0.14423	0.00178	0.108721	0.01877
0.12477	-0.00135	0.97682	0.023611	0.61079	0.045665	0.32477	0.00188	0.96767
4.91E-05	-0.0699	0.13145	-0.00504	0.91348	0.014323	0.75754	-0.06269	0.17623
0.42759	-0.02601	0.57504	0.014068	0.76173	-0.01036	0.82339	-0.00563	0.90345
0.68032	0.027964	0.54664	-0.03161	0.49563	-0.02476	0.59357	-0.04115	0.375
0.00234	-0.18936	3.82E-05	-0.13145	0.00444	-0.19443	2.33E-05	-0.35543	2.37E-15
0.14846	0.042676	0.35748	-0.06299	0.1742	0.001738	0.97012	0.007488	0.87179
2.84E-05	0.010945	0.81351	-0.03341	0.4714	-0.06096	0.18851	-0.03285	0.4788
0.36195	0.128548	0.0054	-0.07479	0.10649	0.179462	9.64E-05	0.268612	3.68E-09
0.93898	0.052392	0.2585	0.063816	0.16858	-0.01333	0.77394	-0.0037	0.9364
0.00259	-0.00721	0.87646	-0.13564	0.00332	-0.12098	0.00887	-0.13191	0.0043

0.85999	0.050906	0.27227	-0.04094	0.37738	-0.13596	0.00324	-0.0806	0.08186
0.00026	0.053144	0.25172	-0.192	2.96E-05	-0.20588	7.28E-06	-0.14573	0.00159
0.00042	-0.15488	0.00078	-0.09423	0.04181	-0.22669	7.41E-07	-0.28777	2.35E-10
0.28415	0.065379	0.15837	-0.05505	0.23508	-0.08072	0.08142	0.011756	0.79998
0.16103	0.202451	1.04E-05	0.024177	0.60226	0.110193	0.01721	0.258544	1.44E-08
0.09915	-0.00876	0.85032	0.106274	0.02162	0.201357	1.16E-05	0.095208	0.03972
0.44763	0.083476	0.07151	-0.05078	0.27348	0.160638	0.00049	0.283236	4.59E-10
6.43E-08	0.040472	0.38287	0.031771	0.4934	0.010873	0.81472	-0.05036	0.27743
0.01412	-0.01781	0.70099	0.256647	1.85E-08	0.281425	5.98E-10	0.208136	5.74E-06
0.00874	0.096935	0.03625	0.052143	0.26077	0.214719	2.84E-06	0.23927	1.67E-07
0.13433	-0.00773	0.86761	0.057137	0.21778	0.100543	0.02982	0.167825	0.00027
0.03683	0.075297	0.10414	0.083454	0.07158	0.1409	0.00227	0.173651	0.00016
0.85443	0.027099	0.55912	-0.23393	3.17E-07	-0.2192	1.73E-06	-0.09759	0.035
0.41049	-0.03444	0.45783	-0.2435	9.91E-08	-0.20422	8.65E-06	-0.17038	0.00022
1.18E-06	0.11104	0.01637	-0.0714	0.12338	-0.02566	0.58011	0.053204	0.25118
3.58E-12	0.055468	0.23155	-0.02047	0.65911	-0.09787	0.03447	-0.01206	0.79484
1.36E-08	0.05712	0.21793	-0.03616	0.43561	-0.05331	0.25021	0.098846	0.03271
0.00027	-0.01333	0.77391	-0.00868	0.85167	0.066239	0.15296	-0.04522	0.32953
1.37E-08	0.108791	0.01869	0.053232	0.25093	0.032211	0.48743	0.091071	0.0492
0.01437	0.090395	0.05091	-0.03443	0.45791	0.031793	0.49309	0.106343	0.02154
3.02E-05	0.305125	1.61E-11	-0.02186	0.63749	0.102682	0.02649	0.235604	2.60E-07
0.34355	-0.05743	0.2154	0.266641	4.83E-09	0.204434	8.46E-06	0.127749	0.0057
0.11885	-0.07765	0.09371	-0.01408	0.76145	-0.14038	0.00236	-0.13188	0.00431
0.08183	-0.00551	0.90544	-0.03801	0.4125	-0.0792	0.08734	-0.03733	0.42097
0.00039	-0.06543	0.15803	0.03593	0.43856	0.073909	0.11069	-0.04716	0.30916
0.01387	-0.02907	0.53089	-0.19044	3.44E-05	-0.14013	0.0024	-0.18905	3.93E-05
0.28238	-0.06045	0.19223	0.028046	0.54547	-0.14753	0.00139	-0.09072	0.05009
0.00433	0.061213	0.18666	0.004402	0.92442	0.125981	0.00641	0.122602	0.00799
0.93142	-0.02247	0.62811	0.049861	0.28225	0.048867	0.29197	0.100184	0.03042
0.00099	-0.03983	0.39051	-0.01664	0.71986	-0.17373	0.00016	-0.14577	0.00159
0.07398	-6.40E-05	0.9989	-0.04058	0.38156	0.028236	0.54274	-0.04474	0.33467
0.07569	-0.03276	0.48	-0.14836	0.0013	-0.09684	0.03644	-0.10055	0.02982
0.23601	-0.01462	0.75266	0.027032	0.56009	-0.05891	0.20385	-0.03776	0.41553
0.30753	-0.10829	0.01924	-0.03594	0.43841	-0.08064	0.08173	-0.13086	0.00462
0.00168	0.116737	0.01158	0.148446	0.00129	0.223565	1.06E-06	0.306902	1.21E-11
0.13596	0.329839	2.58E-13	-0.08461	0.06773	-0.00847	0.85516	0.163534	0.00039
0.19516	0.314431	3.55E-12	-0.06455	0.1637	-0.07503	0.10537	0.040424	0.38344
0.06775	0.06578	0.15583	-0.08658	0.06157	0.039469	0.39478	0.044779	0.33426
0.07275	0.02891	0.53314	-0.0874	0.05911	-0.02087	0.65281	-0.03161	0.49561
0.01835	0.060218	0.19394	0.08511	0.06611	0.15121	0.00105	0.120783	0.00898
0.09767	0.05342	0.24926	0.123886	0.00735	0.052712	0.2556	0.10904	0.01842
0.35431	0.129212	0.00517	0.133519	0.00385	0.096522	0.03706	0.118109	0.01064
0.54538	-0.0387	0.40401	-0.11852	0.01037	-0.12834	0.00548	-0.08107	0.08011
2.60E-07	-0.18612	5.19E-05	-0.281	6.36E-10	-0.21608	2.44E-06	-0.28108	6.29E-10
0.0299	-0.01139	0.80609	0.270661	2.77E-09	0.162406	0.00043	0.016688	0.71908

0.3441	0.021157	0.64836	-0.07628	0.09967	-0.00814	0.86079	-0.03072	0.50787
1.58E-17	0.224601	9.42E-07	-0.08773	0.05818	0.018904	0.68366	0.240006	1.52E-07
4.31E-08	0.308661	9.13E-12	0.214885	2.78E-06	0.227189	7.00E-07	0.35384	3.21E-15
0.65322	-0.0048	0.9176	0.035236	0.44746	0.029632	0.52297	0.041071	0.37586
0.57314	0.030417	0.51201	0.033011	0.47668	0.074348	0.10859	0.050978	0.2716
0.00896	-0.02271	0.62442	-0.07639	0.09919	-0.0302	0.51506	-0.03098	0.50425
0.01231	0.089286	0.05383	-0.04295	0.35444	-0.02792	0.54729	0.080443	0.08247
0.97423	-0.00461	0.92091	-0.02486	0.59211	0.071917	0.12067	0.018184	0.6951
0.99611	-0.04856	0.29497	-0.2516	3.56E-08	-0.16475	0.00035	-0.14898	0.00124
0.15275	-0.10051	0.02988	-0.00267	0.95408	-0.02501	0.58976	-0.16833	0.00026
0.20785	0.015033	0.74592	0.187224	4.68E-05	0.198829	1.50E-05	0.195849	2.02E-05
1.91E-11	0.226414	7.65E-07	0.200149	1.31E-05	0.299777	3.75E-11	0.347664	1.03E-14
0.39158	-0.02486	0.59207	0.053927	0.24479	0.029842	0.52003	0.020086	0.66506
0.36075	0.165712	0.00032	0.038485	0.40668	0.207674	6.03E-06	0.306492	1.30E-11
0.02372	0.15911	0.00056	-0.01861	0.68834	0.184509	6.04E-05	0.285562	3.26E-10
0.34652	0.008672	0.85173	-0.1521	0.00098	-0.1601	0.00051	-0.07514	0.10484
0.61107	0.218396	1.89E-06	0.105883	0.02211	0.215984	2.47E-06	0.320798	1.23E-12
0.00353	-0.19659	1.88E-05	0.006059	0.8961	-0.23319	3.47E-07	-0.32816	3.46E-13
0.09411	0.076419	0.09906	0.017964	0.69861	-0.08024	0.08324	-0.02107	0.64965
0.00211	-0.10888	0.01859	-0.0287	0.53613	-0.08951	0.05324	-0.03255	0.48287
0.7414	0.009594	0.83618	0.178947	0.0001	0.061321	0.18589	0.064236	0.16579
0.00049	0.052373	0.25868	-0.03353	0.46981	-0.04599	0.32138	-0.01222	0.79224
9.93E-05	0.023757	0.60859	-0.12591	0.00644	-0.08246	0.07503	-0.11043	0.01697
3.98E-09	0.029389	0.52638	-0.05119	0.26961	-0.03538	0.44564	-0.03499	0.45061
0.25686	-0.04405	0.34216	-0.13609	0.00321	-0.10171	0.02797	-0.15135	0.00103
0.18252	-0.08574	0.06412	-0.10879	0.01869	-0.23757	2.05E-07	-0.27053	2.82E-09
0.00121	-0.16262	0.00042	-0.12665	0.00613	-0.24493	8.29E-08	-0.28616	2.98E-10
0.9041	0.00966	0.83508	-0.2206	1.48E-06	-0.16678	0.00029	-0.10768	0.01994
2.57E-05	0.098537	0.03326	-0.0863	0.06239	-0.0438	0.34492	0.049216	0.28852
0.00015	0.015392	0.74007	-0.28444	3.85E-10	-0.09915	0.03218	-0.11166	0.01577
0.6217	0.023803	0.6079	-0.06052	0.19173	-0.03118	0.50147	-0.02665	0.5657
0.00427	-0.05553	0.23101	0.026876	0.56235	-0.18288	7.04E-05	-0.13591	0.00325
0.98412	0.052251	0.25979	0.033002	0.4768	-0.04445	0.33779	-0.04283	0.35578
0.00095	0.081943	0.07689	0.083114	0.07275	0.071124	0.12483	0.164659	0.00035
0.03439	-0.06017	0.19428	0.490818	1.10E-29	0.275175	1.47E-09	0.223025	1.13E-06
0.12958	0.0479	0.30163	0.078359	0.09076	0.009623	0.83569	0.055438	0.2318
0.48489	0.034509	0.45689	0.398564	3.13E-19	0.310232	7.08E-12	0.340174	4.09E-14
0.8793	0.029717	0.52178	0.275808	1.34E-09	0.341912	2.98E-14	0.324483	6.54E-13
0.0529	0.023994	0.60502	-0.04886	0.29205	-0.1643	0.00036	0.005355	0.90812
1.69E-05	0.012242	0.7919	0.006436	0.88967	-0.04628	0.3183	-0.06317	0.17295
0.62598	-0.0008	0.98616	-0.04036	0.38416	-0.05286	0.25428	-0.016	0.73013
0.89622	-0.03166	0.49496	-0.20629	6.97E-06	-0.08882	0.0551	-0.02712	0.55882
0.23322	0.00392	0.93267	0.135335	0.00339	0.053766	0.2462	0.051411	0.26754
0.50698	0.000643	0.98895	-0.29097	1.45E-10	-0.22579	8.22E-07	-0.16442	0.00036
0.00233	0.120366	0.00922	-0.10557	0.02251	0.087266	0.05951	0.122744	0.00792

0.56537	0.162634	0.00042	-0.13476	0.00353	-0.09023	0.05134	0.039935	0.38922
6.39E-05	-0.05151	0.26664	-0.09778	0.03465	-0.19946	1.41E-05	-0.15277	0.00093
3.94E-09	-0.00935	0.8403	0.063375	0.17155	0.12142	0.00862	-0.0158	0.73342
1.21E-08	0.042498	0.35949	0.077221	0.09556	0.210137	4.65E-06	0.140815	0.00229
0.30941	0.11971	0.00962	-0.02451	0.59727	0.079023	0.08805	0.108797	0.01868
0.36841	0.115999	0.01212	-0.00945	0.83862	0.050569	0.27546	0.072922	0.11555
0.01339	-0.1002	0.03039	0.188065	4.32E-05	0.235438	2.65E-07	-0.0573	0.21643
0.28423	-0.06026	0.19366	-0.01156	0.80317	0.113876	0.01381	-0.08779	0.058
0.12268	0.243253	1.02E-07	0.035599	0.4428	0.12959	0.00503	0.244762	8.47E-08
0.13594	0.007401	0.87327	0.187857	4.40E-05	0.179987	9.19E-05	0.143684	0.00185
0.71997	-0.07307	0.11483	-0.13699	0.00301	-0.16823	0.00026	-0.13345	0.00386
0.69673	0.048215	0.29846	0.086819	0.06083	0.045785	0.3235	0.08033	0.0829
1.30E-13	0.096729	0.03665	-0.07519	0.10461	-0.09371	0.04296	0.036724	0.4285
0.8834	-0.00295	0.94937	-0.04024	0.38566	-0.0253	0.58545	-0.01209	0.79442
0.08232	0.030827	0.50634	0.200963	1.21E-05	-0.0211	0.6492	0.03859	0.4054
1.84E-08	0.017295	0.70931	-0.04832	0.29744	-0.01406	0.76192	-0.07228	0.11879
0.42045	0.14531	0.00164	0.089201	0.05406	0.178942	0.0001	0.24136	1.29E-07
0.58651	-0.04815	0.29913	-0.0485	0.29556	-0.02838	0.54063	-0.08306	0.07292
3.37E-07	0.023387	0.61418	0.001853	0.96815	-0.04038	0.3839	-0.00853	0.85406
4.76E-05	0.495021	3.07E-30	-0.07788	0.09277	-0.0242	0.60196	0.215673	2.55E-06
0.87164	0.064392	0.16476	0.2147	2.84E-06	-0.02537	0.58447	0.096761	0.03659
0.01044	0.052496	0.25756	-0.03616	0.43558	-0.0559	0.22795	0.036487	0.4315
0.00016	0.09368	0.04302	0.03783	0.41473	0.024638	0.59536	0.154705	0.0008
0.8839	0.10509	0.02313	0.043399	0.34939	0.180786	8.54E-05	0.277325	1.08E-09
0.6433	0.062159	0.17993	0.056191	0.22551	-0.0075	0.87152	0.042238	0.36244
0.10415	-0.20627	6.99E-06	-0.0168	0.71723	-0.26038	1.13E-08	-0.3029	2.30E-11
0.16237	0.047011	0.3107	-0.05475	0.23766	-0.07393	0.11058	-0.07067	0.12726
0.89015	0.228448	6.05E-07	0.148068	0.00133	0.039221	0.39777	0.080555	0.08204
0.12815	0.066404	0.15193	0.063567	0.17025	-0.02631	0.57058	0.020028	0.66597
0.0002	0.053803	0.24588	0.113797	0.01387	0.082051	0.0765	0.110934	0.01647
0.01489	-0.03655	0.43066	0.156277	0.0007	-0.01602	0.72993	0.054358	0.24104
0.81286	0.044902	0.33293	0.081509	0.07847	0.127853	0.00566	0.086623	0.06142
0.65633	0.044548	0.33676	0.094693	0.04081	0.022405	0.62913	0.07559	0.10279
0.44584	0.08206	0.07647	0.142686	0.00199	-0.00835	0.85717	0.111005	0.0164
0.03755	0.016209	0.72682	-0.01031	0.8241	0.022388	0.62941	0.128014	0.0056
0.05712	-0.06525	0.1592	-0.07324	0.11397	-0.0744	0.10832	-0.05232	0.25917
0.3106	0.029379	0.52652	-0.11213	0.01533	-0.18625	5.13E-05	-0.20878	5.37E-06
0.53148	-0.04251	0.3593	0.024223	0.60157	-0.2165	2.33E-06	-0.17752	0.00011
0.622	-0.05425	0.24201	0.115218	0.01272	0.117461	0.01107	0.001989	0.96581
0.01809	-0.1539	0.00085	-0.11404	0.01367	-0.20631	6.96E-06	-0.22236	1.21E-06
0.5532	0.194566	2.30E-05	0.390506	1.84E-18	0.282936	4.80E-10	0.260507	1.11E-08
0.00078	0.031162	0.50173	0.177623	0.00011	0.146535	0.0015	-0.01043	0.82219
0.21561	-0.04458	0.33646	0.112005	0.01545	-0.06672	0.15002	-0.10625	0.02165
0.96832	0.00599	0.89728	0.10757	0.02007	0.116273	0.01192	0.024878	0.59178
0.14	-0.02317	0.61746	-0.10207	0.02741	-0.04937	0.28697	-0.09451	0.0412

0.89549	-0.04707	0.31011	0.1821	7.56E-05	0.116611	0.01167	0.161876	0.00044
0.00951	0.02103	0.65034	0.228601	5.94E-07	0.029369	0.52666	0.106964	0.02078
0.77721	-0.12504	0.00682	-0.0433	0.3505	-0.00708	0.87868	-0.16809	0.00026
0.26139	0.028437	0.53987	0.036669	0.4292	-0.04326	0.3509	0.019109	0.68043
0.38352	0.000205	0.99648	-0.04119	0.37443	0.023632	0.61048	0.043266	0.35087
0.02973	0.315439	3.01E-12	0.238043	1.94E-07	0.266691	4.79E-09	0.32402	7.08E-13
0.5196	0.03627	0.43424	0.184069	6.30E-05	0.120796	0.00898	0.163099	0.0004
0.05105	-0.02047	0.65913	-0.16737	0.00028	-0.11757	0.011	-0.1232	0.00769
7.53E-08	0.023926	0.60604	-0.13342	0.00387	-0.08211	0.07627	-0.01756	0.705
5.70E-05	0.026664	0.56544	-0.14804	0.00134	-0.08046	0.08242	-0.04749	0.3058
1.85E-14	0.018956	0.68285	-0.07062	0.12751	-0.03317	0.47457	-0.01018	0.82626
0.01366	0.018749	0.68613	0.052429	0.25816	0.010869	0.81479	0.03929	0.39693
2.46E-06	-0.00171	0.97067	-0.08941	0.05351	-0.07144	0.12316	-0.04152	0.37064
0.00071	-0.00667	0.88565	-0.12823	0.00552	-0.051	0.27138	-0.03814	0.41095
7.70E-11	0.03201	0.49015	-0.04937	0.28704	-0.06824	0.14089	0.000401	0.99311
0.0013	0.066042	0.15419	0.040853	0.3784	-0.02332	0.6152	0.084778	0.06718
0.03981	0.05146	0.26708	0.158173	0.0006	0.119421	0.00979	0.258682	1.41E-08
3.27E-08	0.21422	2.99E-06	0.122913	0.00783	0.013512	0.77088	0.161132	0.00047
0.00051	0.172007	0.00019	0.176432	0.00013	0.306987	1.20E-11	0.286076	3.02E-10
0.18507	0.200885	1.22E-05	0.105761	0.02227	0.186005	5.25E-05	0.236335	2.38E-07
0.01888	0.030551	0.51016	-0.04265	0.35781	0.057817	0.21235	0.026641	0.56577
0.00142	0.059687	0.19791	-0.04747	0.30599	-0.06029	0.1934	0.001514	0.97398
3.63E-10	-0.04246	0.35993	-0.20242	1.04E-05	-0.15962	0.00054	-0.24234	1.14E-07
0.65423	0.328499	3.27E-13	0.361548	7.22E-16	0.249122	4.89E-08	0.355529	2.32E-15
0.13845	0.030837	0.50621	-0.02072	0.65509	-0.04111	0.3754	0.086405	0.06208
0.0001	-0.10665	0.02116	-0.14458	0.00173	-0.15036	0.00112	-0.17719	0.00012
0.00086	-0.00174	0.9701	-0.01948	0.67461	-0.02531	0.5854	0.011816	0.79898
0.80302	0.057133	0.21782	-0.02228	0.63103	-0.07737	0.09494	-0.01977	0.67
0.22216	-0.14939	0.0012	-0.31573	2.86E-12	-0.21025	4.59E-06	-0.24994	4.40E-08
0.95895	-0.01221	0.79238	-0.2155	2.60E-06	-0.11524	0.0127	-0.1184	0.01045
0.44055	-0.05377	0.24618	-0.08642	0.06204	-0.10155	0.02821	-0.13662	0.00309
0.23867	-0.01399	0.76306	-0.03448	0.45734	-0.02443	0.59854	-0.04279	0.35621
0.25986	0.031757	0.49359	0.26224	8.78E-09	0.168723	0.00025	0.153242	0.00089
0.55768	0.056531	0.22272	0.040164	0.38651	0.008364	0.85695	0.0211	0.64926
0.88095	0.038501	0.40648	0.019319	0.67711	0.107626	0.02	0.100641	0.02966
0.43002	0.057588	0.21417	-0.11872	0.01024	-0.09749	0.03519	-0.0154	0.7399
0.37549	-0.11628	0.01191	-0.11358	0.01406	-0.18454	6.03E-05	-0.20736	6.24E-06
0.17877	-0.04368	0.34628	-0.11964	0.00966	-0.1478	0.00136	-0.17005	0.00022
0.84695	-0.02961	0.52329	0.038435	0.40729	-0.02149	0.64322	-0.04203	0.36483
0.23365	-0.03827	0.40927	-0.08813	0.05703	-0.06696	0.14854	-0.08524	0.06572
0.01116	0.039686	0.39219	0.006106	0.8953	-0.03339	0.47162	-0.00194	0.96665
0.37753	-0.05619	0.22549	0.185682	5.41E-05	-0.04173	0.36821	-0.10605	0.02189
0.26324	-0.03458	0.45601	-0.09268	0.04531	-0.16103	0.00048	-0.16203	0.00044
0.4598	-0.00069	0.98809	-0.14946	0.0012	-0.20181	1.11E-05	-0.14717	0.00143
0.35631	-0.01241	0.78905	-0.01956	0.67325	-0.07508	0.10513	-0.09481	0.04056



0.681	0.039402	0.39558	-0.15105	0.00106	-0.17584	0.00013	-0.07392	0.11064
0.81142	0.015442	0.73926	-0.10003	0.03068	-0.09488	0.04041	-0.02118	0.64798
0.26118	0.165303	0.00033	-0.07143	0.12322	-0.07307	0.11483	0.107738	0.01987
0.28025	-0.15637	0.0007	0.096658	0.03679	-0.11352	0.01411	-0.1448	0.0017
0.79081	0.047242	0.30832	-0.09354	0.04334	-0.04714	0.30936	-0.01693	0.71511
3.40E-05	0.023112	0.61836	-0.00995	0.83016	-0.07629	0.09965	0.005189	0.91095
0.21313	-0.00214	0.96327	0.008355	0.85709	-0.07766	0.09369	-0.05321	0.25112
0.20805	0.020996	0.65087	0.027136	0.55857	-0.0263	0.57076	-0.01203	0.79536
0.02114	0.072926	0.11553	-0.0527	0.25569	0.032088	0.48909	0.072669	0.11682
2.06E-08	0.08169	0.07781	0.052834	0.2545	0.087558	0.05866	0.132343	0.00417
6.97E-05	0.020753	0.65464	0.090736	0.05004	-0.16346	0.00039	-0.04862	0.29437
6.45E-05	0.069471	0.13385	-0.04598	0.32142	-0.0013	0.97771	0.03095	0.50465
0.00307	0.333865	1.27E-13	0.126026	0.00639	0.188677	4.07E-05	0.327962	3.58E-13
2.69E-05	0.083312	0.07207	-0.06357	0.1702	-0.02035	0.66094	0.085819	0.06388
0.60684	0.112785	0.01475	0.292443	1.16E-10	0.354722	2.71E-15	0.352363	4.25E-15
0.00035	0.086846	0.06076	0.324639	6.36E-13	0.078967	0.08827	0.117927	0.01076
0.72696	-0.02398	0.60527	-0.06489	0.16154	-0.09629	0.03752	-0.07922	0.08726
7.44E-07	0.088279	0.05661	0.092519	0.04569	0.055768	0.22903	0.113694	0.01396
0.52665	0.032028	0.48991	-0.04323	0.35125	-0.11055	0.01686	-0.03468	0.45473
1.11E-11	0.062449	0.17791	0.057355	0.21603	-0.01724	0.71012	0.024627	0.59553
0.05889	0.159981	0.00052	-0.06368	0.16948	-0.06948	0.13382	0.027521	0.55301
0.00011	-0.03914	0.39871	-0.27262	2.11E-09	-0.20969	4.87E-06	-0.17023	0.00022
0.78278	-0.00801	0.86296	-0.08768	0.05832	-0.05876	0.20494	-0.06082	0.18948
0.13929	0.005725	0.9018	-0.05481	0.23712	-0.04437	0.33866	-0.05926	0.20118
7.48E-06	-0.17356	0.00016	0.138856	0.00264	-0.03932	0.39659	-0.18106	8.33E-05
0.53118	-0.09445	0.04133	-0.1239	0.00735	-0.13046	0.00475	-0.0885	0.05598
0.16965	-0.16172	0.00045	-0.15073	0.00109	-0.11588	0.01221	-0.30832	9.66E-12
0.00029	0.074197	0.1093	0.130843	0.00462	0.159287	0.00055	0.166902	0.00029
0.39959	0.004425	0.92402	-0.10833	0.0192	-0.06627	0.15274	-0.09558	0.03896
0.40591	-0.09648	0.03713	-0.07684	0.09721	0.00597	0.89763	-0.16368	0.00038
0.17518	0.031365	0.49894	-0.02095	0.65152	-0.00749	0.8718	-0.02726	0.55672
0.81919	-0.08939	0.05355	-0.21728	2.14E-06	-0.13516	0.00343	-0.1911	3.22E-05
0.03985	0.143546	0.00187	-0.05701	0.21885	0.043641	0.3467	0.16254	0.00042
2.42E-06	-0.07478	0.10654	0.122182	0.00821	-0.08241	0.07521	-0.0955	0.03912
0.03691	-0.10649	0.02135	0.174982	0.00014	-0.04729	0.30781	-0.10163	0.02809
0.06903	-0.01108	0.8112	-0.10717	0.02053	-0.13144	0.00444	-0.11783	0.01082
0.17998	0.056772	0.22074	0.060983	0.18833	0.097598	0.03499	-0.03054	0.51036
2.23E-09	-0.12108	0.00881	-0.11929	0.00988	-0.23173	4.12E-07	-0.33769	6.42E-14
5.71E-06	-0.16447	0.00036	-0.02372	0.60914	-0.01688	0.71601	-0.11341	0.0142
0.97708	0.032102	0.48891	0.026105	0.57362	0.022859	0.62221	0.033891	0.46499
0.18354	0.095904	0.03829	0.120212	0.00932	0.072096	0.11974	0.15065	0.00109
0.05076	0.035951	0.43829	0.08597	0.06341	-0.01762	0.70412	0.028036	0.5456
0.02364	0.090135	0.05159	-0.02408	0.60376	-0.06538	0.15835	0.012672	0.78476
0.00343	-0.11238	0.01511	0.221189	1.39E-06	0.146302	0.00152	-0.05591	0.22783
3.57E-06	0.073597	0.11221	0.148593	0.00128	0.134689	0.00354	0.223049	1.12E-06

0.03241	0.374078	5.86E-17	-0.03801	0.41248	0.027468	0.55378	0.162948	0.00041
0.00216	0.111139	0.01627	0.023782	0.60821	-0.0784	0.09058	0.038626	0.40497
0.13636	0.006216	0.89343	0.03778	0.41533	-0.14051	0.00234	-0.01281	0.78242
9.30E-06	0.075978	0.10103	0.218966	1.78E-06	0.14366	0.00186	0.292275	1.19E-10
2.11E-09	0.078766	0.08909	0.04926	0.2881	-0.02535	0.58473	0.000272	0.99532
0.45065	0.058931	0.20366	0.07686	0.09713	0.009879	0.83139	0.032063	0.48944
0.03609	-0.04409	0.34176	0.303331	2.14E-11	0.199823	1.36E-05	0.172114	0.00019
0.00035	0.100606	0.02972	0.09486	0.04045	-0.00344	0.94086	0.069812	0.13195
1.14E-11	0.114913	0.01296	0.003982	0.93161	-0.04564	0.32504	0.060472	0.19206
0.91967	-0.02015	0.66408	-0.10858	0.01892	-0.09517	0.03979	-0.05098	0.27158
0.55529	-0.01574	0.73448	-0.09453	0.04117	-0.06256	0.17712	-0.06871	0.13819
0.18766	0.06156	0.18417	-0.11252	0.01498	-0.12011	0.00937	-0.03265	0.48152
0.00241	-0.15242	0.00095	-0.05843	0.20753	-0.10851	0.019	-0.25533	2.19E-08
0.30442	-0.03279	0.47968	-0.08143	0.07876	-0.17974	9.40E-05	-0.11954	0.00972
0.42173	-0.0793	0.08694	-0.06869	0.1383	-0.04517	0.33008	-0.10916	0.01829
0.84699	-0.04774	0.30324	-0.05657	0.2224	-0.07068	0.1272	-0.0699	0.13149
0.13694	0.072443	0.11797	0.045482	0.32672	0.085806	0.06392	0.273581	1.84E-09
0.00015	0.146181	0.00154	0.164826	0.00035	0.19381	2.47E-05	0.333038	1.47E-13
0.71374	-0.0919	0.04715	-0.08646	0.06191	-0.17312	0.00017	-0.22414	9.93E-07
0.27194	-0.02625	0.57157	0.206601	6.75E-06	0.096967	0.03619	0.069564	0.13333
0.03182	-0.08073	0.08139	0.063967	0.16757	-0.02928	0.52798	-0.11275	0.01478
0.00041	0.162756	0.00041	0.074451	0.10809	0.021554	0.64223	0.161082	0.00047
0.7791	0.052208	0.26018	-0.03096	0.50451	0.040462	0.38299	0.119864	0.00952
0.42267	-0.04154	0.37045	-0.04032	0.38472	-0.09505	0.04006	-0.08416	0.06922
0.00042	0.083659	0.07088	-0.01741	0.70747	-0.04139	0.37219	0.083646	0.07093
0.83947	-0.01364	0.76883	-0.11153	0.0159	-0.12105	0.00883	-0.15313	0.0009
3.82E-05	0.046944	0.31139	-0.23513	2.75E-07	-0.00816	0.86048	0.009733	0.83385
0.00044	0.135089	0.00345	-0.01698	0.71435	0.087091	0.06003	0.11877	0.0102
0.04356	0.119498	0.00975	0.233153	3.48E-07	0.085836	0.06383	0.166396	0.0003
0.46361	0.063923	0.16786	0.032335	0.48575	-0.07822	0.09134	0.019871	0.66843
0.0028	0.193859	2.46E-05	0.107234	0.02046	0.091376	0.04844	0.240307	1.47E-07
1.62E-11	-0.11306	0.01451	0.021766	0.63895	0.070209	0.12976	-0.09563	0.03886
0.62606	-0.01935	0.6767	-0.00357	0.93865	-0.03002	0.51756	-0.04929	0.28782
0.38376	-0.06647	0.15152	0.210713	4.37E-06	0.248559	5.25E-08	0.26465	6.33E-09
0.03668	-0.0014	0.97587	0.105685	0.02236	0.119617	0.00967	0.058192	0.2094
0.27937	0.076376	0.09925	-0.02919	0.52921	0.199639	1.38E-05	0.294015	9.14E-11
0.0401	0.347788	1.01E-14	0.060712	0.1903	0.10581	0.0222	0.178741	0.0001
0.28555	0.057744	0.21293	-0.0113	0.80766	0.017405	0.70756	0.060614	0.19102
0.14659	0.23552	2.62E-07	0.137888	0.00283	0.247386	6.09E-08	0.293741	9.53E-11
1.42E-05	0.104691	0.02366	0.109272	0.01817	0.041602	0.36972	0.103857	0.02481
0.02925	0.041525	0.37061	-0.06763	0.1445	-0.08513	0.06605	-0.02101	0.65059
0.0043	0.035972	0.43802	0.022148	0.63307	0.007939	0.86414	0.005059	0.91317
0.05387	0.027621	0.55158	-0.09561	0.0389	-0.11477	0.01307	-0.02075	0.65468
0.19269	0.189661	3.71E-05	0.059461	0.19962	0.02144	0.64399	0.2016	1.13E-05
0.00258	0.060069	0.19504	-0.15501	0.00078	-0.03888	0.40186	-0.08403	0.06964

3.87E-08	0.145352	0.00164	0.108836	0.01864	0.249227	4.82E-08	0.330274	2.39E-13
0.04322	-0.148	0.00134	-0.08875	0.05529	-0.14605	0.00155	-0.24787	5.73E-08
0.04434	-0.06645	0.15164	0.052269	0.25963	-0.10604	0.02191	-0.06485	0.16175
0.85232	-0.01205	0.79516	0.016924	0.71528	0.130644	0.00469	0.032537	0.48304
0.28219	-0.02108	0.64962	-0.12248	0.00806	-0.08008	0.08387	-0.11487	0.01299
0.38061	0.120162	0.00934	0.198235	1.59E-05	0.189963	3.60E-05	0.329012	2.99E-13
0.00546	0.022954	0.62076	-0.17283	0.00017	-0.22719	7.00E-07	-0.11324	0.01435
0.2656	0.052479	0.25771	-0.15215	0.00097	-0.12373	0.00743	-0.00689	0.88189
0.73823	0.012279	0.79129	0.004053	0.93039	0.09836	0.03358	0.083024	0.07306
0.96155	0.044891	0.33305	0.179572	9.54E-05	0.188516	4.14E-05	0.223645	1.05E-06
0.20946	-0.12185	0.00839	-0.20303	9.78E-06	-0.20474	8.19E-06	-0.33636	8.14E-14
0.63029	0.043746	0.34554	0.052565	0.25693	-0.04555	0.32596	0.028785	0.53492
0.00022	0.024214	0.60171	-0.00626	0.89267	0.105917	0.02207	0.147464	0.0014
0.86641	0.078421	0.0905	0.168287	0.00026	0.219974	1.59E-06	0.326391	4.71E-13
0.15438	-0.03901	0.40034	-0.04826	0.29802	-0.11445	0.01333	-0.15476	0.00079
0.73839	0.006568	0.88743	-0.12153	0.00856	-0.11114	0.01627	-0.06626	0.1528
0.35379	-0.0197	0.67119	-0.08713	0.05991	-0.11942	0.00979	-0.12559	0.00658
0.11642	0.069473	0.13384	-0.12069	0.00904	-0.17848	0.00011	-0.1497	0.00118
0.41693	0.042806	0.35601	-0.02329	0.61567	-0.08404	0.0696	-0.00652	0.88824
0.08487	-0.12417	0.00722	-0.01587	0.73237	-0.16241	0.00043	-0.19514	2.17E-05
0.07597	-0.03556	0.44331	0.116424	0.01181	-0.0531	0.25209	-0.02569	0.57969
0.08664	-0.18186	7.73E-05	-0.13084	0.00462	-0.10482	0.02349	-0.33899	5.07E-14
0.56801	-0.02048	0.65882	-0.04689	0.31199	-0.03132	0.49956	-0.09299	0.04459
0.06982	0.052317	0.25918	-0.02069	0.6556	-0.06674	0.14988	0.052586	0.25674
0.7633	-0.03156	0.49623	-0.04502	0.3317	0.000796	0.98632	-0.07303	0.11502
0.31747	0.105995	0.02197	0.012377	0.78965	0.178775	0.0001	0.233395	3.38E-07
0.32045	0.013964	0.76344	-0.06606	0.15406	-0.00781	0.86636	-0.03766	0.41681
0.05947	0.08144	0.07872	-0.02995	0.51852	-0.05014	0.27954	-0.0037	0.93641
0.00146	0.063601	0.17002	-0.02892	0.53301	-0.03129	0.49997	-0.00787	0.86527
0.87518	0.166801	0.00029	0.034725	0.45409	0.204366	8.52E-06	0.29218	1.21E-10
0.65497	-0.00164	0.97179	0.119073	0.01001	0.104711	0.02364	0.078954	0.08833
0.00028	0.153392	0.00088	0.121425	0.00862	0.27535	1.43E-09	0.316652	2.46E-12
1.43E-11	-0.02854	0.53837	-0.03724	0.42209	-0.0789	0.08855	-0.05796	0.21119
0.08927	0.079825	0.08486	0.169474	0.00023	0.149807	0.00117	0.175498	0.00014
0.00925	-0.20836	5.61E-06	-0.12771	0.00571	-0.08758	0.05861	-0.26664	4.83E-09
0.14687	-0.1595	0.00054	-0.04772	0.30343	-0.15476	0.00079	-0.21909	1.75E-06
0.50402	-0.07944	0.08639	0.036307	0.43377	-0.0524	0.25841	-0.13115	0.00453
0.21088	-0.09538	0.03937	-0.04393	0.34352	-0.06512	0.16001	-0.16162	0.00045
0.07986	0.111376	0.01604	0.19704	1.80E-05	0.136249	0.00318	0.227778	6.54E-07
0.01791	-0.20821	5.70E-06	-0.00609	0.89558	-0.26649	4.93E-09	-0.3598	1.02E-15
0.04321	-0.00183	0.96859	-0.04552	0.32626	-0.0683	0.14057	-0.00312	0.94647
0.15825	-0.03657	0.4305	-0.27075	2.73E-09	-0.16664	0.0003	-0.14913	0.00123
0.01516	-0.00015	0.99743	-0.03924	0.39756	-0.11337	0.01424	-0.04765	0.30414
0.20197	-0.08561	0.06454	-0.00089	0.98474	0.037011	0.4249	-0.14784	0.00136
2.65E-07	0.097804	0.0346	-0.07326	0.11385	-0.0954	0.03931	0.071506	0.12281

0.00265	-0.21283	3.48E-06	-0.09045	0.05076	-0.18343	6.68E-05	-0.30743	1.11E-11
0.2919	0.106628	0.02119	-0.01266	0.78491	0.120415	0.0092	0.18455	6.02E-05
0.65743	-0.06795	0.14258	-0.00545	0.90649	-0.06825	0.14086	-0.1322	0.00421
7.56E-05	0.054322	0.24135	0.139578	0.0025	0.060163	0.19435	0.081782	0.07747
0.00036	-0.14141	0.00219	0.027203	0.55761	-0.13559	0.00333	-0.17758	0.00011
0.71967	-0.02498	0.59029	0.017563	0.70501	0.017429	0.70716	-0.01339	0.77291
0.00129	0.295863	6.89E-11	0.19425	2.37E-05	0.205341	7.70E-06	0.34539	1.57E-14
3.30E-12	0.029072	0.53085	-0.07052	0.12809	-0.21296	3.43E-06	-0.11826	0.01054
0.97809	0.26602	5.26E-09	0.351021	5.48E-15	0.242357	1.14E-07	0.334763	1.08E-13
0.17053	0.082781	0.07391	0.246464	6.84E-08	0.292177	1.21E-10	0.275754	1.35E-09
3.61E-05	-0.02827	0.54226	-0.11577	0.0123	-0.23864	1.80E-07	-0.18544	5.54E-05
0.00103	0.076563	0.09843	-0.06768	0.14421	-0.09518	0.03977	-0.08966	0.05284
0.28231	0.028511	0.53882	-0.04268	0.35738	-0.04927	0.28799	-0.02378	0.6082
0.76591	-0.00104	0.9821	-0.04234	0.36125	-0.03318	0.47449	-0.0429	0.35491
5.90E-06	0.087079	0.06006	0.043595	0.34721	-0.03683	0.42712	0.049689	0.28391
0.81884	-0.00889	0.84806	-0.09627	0.03755	-0.07849	0.09024	-0.08298	0.07321
0.03049	0.09331	0.04386	0.101166	0.02882	0.127675	0.00573	0.16651	0.0003
0.0488	0.256624	1.85E-08	-0.04622	0.31896	0.114855	0.01301	0.186278	5.12E-05
0.00077	0.047669	0.30397	0.077961	0.09241	0.071227	0.12428	0.109377	0.01806
5.30E-06	-0.15589	0.00072	-0.03434	0.45909	-0.12784	0.00567	-0.2323	3.85E-07
0.00151	0.238679	1.79E-07	0.050588	0.27528	0.138296	0.00274	0.31547	2.99E-12
0.70026	0.034283	0.45986	-0.10865	0.01885	-0.02191	0.63669	-0.02882	0.53445
0.78462	-0.03393	0.46447	-0.00064	0.98899	0.018785	0.68555	-0.08348	0.07149
0.85	0.038561	0.40576	0.085331	0.06541	0.103464	0.02536	0.097592	0.035
0.92977	0.087558	0.05866	0.030943	0.50474	0.132754	0.00405	0.069814	0.13194
0.3363	0.182897	7.03E-05	0.113589	0.01405	0.17876	0.0001	0.285112	3.48E-10
0.11364	-0.02792	0.54729	0.058756	0.205	-0.02037	0.66065	-0.06097	0.18839
0.26971	-0.00711	0.87824	-0.15346	0.00088	-0.13977	0.00247	-0.13683	0.00305
0.95065	0.219452	1.68E-06	-0.1613	0.00047	-0.08808	0.05717	-0.02256	0.62673
0.50505	0.028094	0.54478	0.001976	0.96604	-0.02178	0.63874	-0.0274	0.55469
0.06645	-0.0795	0.08614	-0.07971	0.08532	-0.16309	0.0004	-0.17834	0.00011
3.40E-05	-0.04513	0.33045	-0.04903	0.29034	-0.05587	0.22815	-0.11306	0.0145
0.00097	-0.01816	0.69552	-0.01298	0.77966	-0.0648	0.16206	-0.08071	0.08144
0.01585	-0.04023	0.38576	0.010806	0.81583	-0.01286	0.78162	-0.07123	0.12426
0.0005	-0.15635	0.0007	0.079413	0.08649	-0.01181	0.79911	-0.19914	1.45E-05
1.40E-05	0.080075	0.08389	0.143111	0.00193	0.217796	2.02E-06	0.295956	6.79E-11
0.00323	0.110302	0.0171	0.011616	0.8023	0.044994	0.33194	0.117601	0.01098
0.76072	-0.0265	0.56784	-0.07492	0.10588	-0.1402	0.00239	-0.12491	0.00688
3.24E-10	0.015297	0.74162	0.11462	0.01319	0.126279	0.00628	0.034731	0.45401
1.39E-07	0.067146	0.1474	0.061405	0.18528	-0.02144	0.64392	0.028129	0.54428
1.49E-06	0.116131	0.01203	-0.15515	0.00077	-0.09031	0.05113	0.086223	0.06264
0.23026	-0.11355	0.01408	-0.07193	0.12061	-0.24839	5.37E-08	-0.29432	8.73E-11
3.95E-07	0.029698	0.52204	-0.06751	0.14524	-0.11563	0.0124	-0.04437	0.33866
4.46E-06	-0.18448	6.06E-05	-0.17742	0.00012	-0.20933	5.06E-06	-0.27121	2.57E-09
0.10296	0.082831	0.07373	-0.04378	0.34516	0.006456	0.88934	0.18401	6.33E-05

0.04185	-0.01849	0.69024	-0.04773	0.30334	0.067351	0.14617	0.046631	0.31463
0.55469	-0.12159	0.00853	-0.12028	0.00927	-0.08577	0.06403	-0.24634	6.95E-08
0.28051	-0.12028	0.00928	0.107666	0.01995	0.026981	0.56084	-0.04205	0.36458
0.05248	0.002119	0.96357	-0.1869	4.82E-05	-0.12216	0.00822	-0.10033	0.03018
0.00086	0.009968	0.82989	-0.05296	0.2534	-0.07073	0.12691	-0.03598	0.43796
0.67497	-0.00017	0.99703	0.090655	0.05025	-0.01703	0.71359	0.011647	0.8018
0.85498	-0.02186	0.6375	-0.0444	0.33842	0.0322	0.48757	-0.07378	0.11131
0.82941	0.046185	0.31929	0.063828	0.1685	0.015531	0.73781	0.019561	0.6733
0.23306	0.246497	6.81E-08	-0.07589	0.10144	0.045046	0.33138	0.176882	0.00012
9.27E-05	0.038929	0.40128	-0.0206	0.65705	-0.07463	0.10726	0.008822	0.8492
0.00044	0.030187	0.51521	0.15703	0.00066	-0.0122	0.79253	0.128938	0.00526
2.68E-12	-0.09208	0.04672	-0.2905	1.56E-10	-0.27592	1.32E-09	-0.31141	5.84E-12
3.55E-17	-0.04394	0.34337	-0.2635	7.40E-09	-0.19571	2.05E-05	-0.19709	1.79E-05
1.26E-09	-0.02016	0.66388	-0.0405	0.38259	-0.16664	0.0003	-0.14871	0.00127
0.84297	-0.05893	0.20369	0.07381	0.11117	-0.12921	0.00517	-0.19292	2.70E-05
0.67138	0.172283	0.00018	0.023279	0.61582	0.101356	0.02852	0.214522	2.90E-06
0.16696	-0.06972	0.13248	-0.17619	0.00013	-0.15142	0.00103	-0.21347	3.25E-06
0.28094	0.011482	0.80455	-0.17303	0.00017	-0.17843	0.00011	-0.05561	0.23037
0.56099	0.022796	0.62317	0.032213	0.4874	0.06017	0.19429	0.051197	0.26954
0.13768	0.207205	6.34E-06	0.232747	3.65E-07	0.151311	0.00104	0.314468	3.53E-12
0.17784	0.043799	0.34496	-0.00937	0.84	0.0917	0.04765	0.06228	0.17909
0.28925	-0.04786	0.30203	0.143615	0.00186	-0.10249	0.02677	-0.05642	0.22363
6.04E-06	-0.03795	0.41329	0.033639	0.46833	-0.06954	0.13349	-0.12897	0.00525
0.00091	0.310251	7.06E-12	-0.04452	0.33704	0.002998	0.94848	0.122652	0.00797
0.37589	-0.12669	0.00612	-0.04315	0.35216	-0.13417	0.00368	-0.20588	7.28E-06
0.85317	0.005193	0.91089	0.178705	0.0001	0.298378	4.67E-11	0.274117	1.71E-09
0.20054	-0.02764	0.55123	-0.08942	0.05349	-0.15148	0.00102	-0.21212	3.76E-06
0.89095	-0.18859	4.11E-05	-0.19861	1.54E-05	-0.31296	4.53E-12	-0.29293	1.08E-10
3.43E-06	-0.17642	0.00013	-0.08944	0.05342	-0.25274	3.07E-08	-0.3184	1.84E-12
0.19097	0.216597	2.31E-06	0.236092	2.45E-07	0.263834	7.08E-09	0.367357	2.29E-16
1.32E-08	0.364806	3.80E-16	-0.00396	0.93196	-0.02317	0.61742	0.15213	0.00097
1.26E-07	0.045736	0.32402	-0.15337	0.00088	-0.19496	2.21E-05	-0.06326	0.17234
0.02636	-0.04148	0.37111	-0.06663	0.15056	-0.07909	0.08779	-0.07565	0.1025
0.80721	-0.01855	0.68927	0.062923	0.17463	0.000378	0.9935	-0.05088	0.27252
0.0093	0.16526	0.00034	0.059802	0.19704	0.138501	0.0027	0.331222	2.03E-13
0.00115	0.125853	0.00646	0.033011	0.47667	0.179539	9.57E-05	0.331102	2.07E-13
0.14232	0.053021	0.25282	-0.08426	0.06888	-0.06291	0.17474	-0.00611	0.8952
0.0463	-0.15196	0.00099	-0.15928	0.00055	-0.1696	0.00023	-0.36236	6.16E-16
4.08E-05	0.079356	0.08671	0.06496	0.16106	0.155307	0.00076	0.162842	0.00041
0.12915	-0.02979	0.52069	-0.01671	0.7188	-0.09482	0.04053	-0.07396	0.11046
0.00637	0.096096	0.0379	0.008371	0.85682	-0.06513	0.15995	0.05771	0.2132
3.03E-08	0.215612	2.57E-06	0.076226	0.09992	-0.0149	0.74803	0.118152	0.01061
0.00014	0.076892	0.09698	-0.0527	0.25573	-0.0592	0.20159	0.018332	0.69274
0.39013	-0.00277	0.95245	0.129319	0.00513	0.0123	0.79093	-0.04594	0.32189
0.03184	0.04321	0.35149	-0.05793	0.21147	-0.12595	0.00642	-0.0251	0.58851

6.02E-10	0.083989	0.06978	0.00969	0.83457	0.069164	0.13559	0.111452	0.01597
0.79987	-0.06989	0.13151	0.34291	2.48E-14	0.019442	0.67517	-0.05519	0.23393
0.00326	-0.02438	0.59921	0.109151	0.0183	-0.01428	0.75821	-0.02262	0.62592
0.78946	-0.11171	0.01573	-0.30886	8.84E-12	-0.29913	4.15E-11	-0.31751	2.13E-12
0.02777	-0.0773	0.09523	-0.12243	0.00808	-0.13129	0.00449	-0.19551	2.09E-05
0.00011	-0.06015	0.19446	-0.1611	0.00047	-0.08145	0.07868	-0.12853	0.00541
0.00327	-0.05537	0.23239	-0.1281	0.00557	-0.07452	0.10777	-0.17927	9.80E-05
0.71034	0.067998	0.14232	-0.01494	0.74741	-0.02736	0.55529	0.077714	0.09345
0.07195	-0.15544	0.00075	-0.14812	0.00133	-0.24966	4.56E-08	-0.39151	1.48E-18
0.32989	0.090432	0.05082	-0.07797	0.09239	-0.00461	0.92083	0.010993	0.81271
0.17045	0.082244	0.07581	0.012741	0.78362	0.134498	0.00359	0.151563	0.00102
0.09426	0.17867	0.0001	-0.03941	0.39553	0.074883	0.10606	0.130274	0.00481
0.05045	0.153514	0.00087	-0.16356	0.00039	0.036986	0.42521	0.101492	0.0283
0.03125	-0.04232	0.36155	-0.16656	0.0003	-0.1764	0.00013	-0.17146	0.0002
0.01535	0.013244	0.77531	0.026568	0.56684	-0.02509	0.58856	0.043001	0.35382
0.98536	0.003801	0.9347	0.061615	0.18378	-0.01715	0.71159	-0.00877	0.85016
0.34699	0.050844	0.27286	-0.03314	0.47491	-0.05054	0.27569	-0.00146	0.97492
5.28E-12	0.20911	5.18E-06	0.138207	0.00276	0.201151	1.19E-05	0.287268	2.53E-10
0.61674	-0.07232	0.1186	-0.06106	0.1878	-0.11669	0.01161	-0.08018	0.08347
0.55942	0.034784	0.45331	-0.11375	0.01391	-0.00882	0.84925	-0.04153	0.37055
0.21426	-0.02092	0.65199	-0.12793	0.00563	-0.05865	0.2058	-0.13138	0.00446
0.01312	0.141356	0.0022	0.057855	0.21205	0.169367	0.00024	0.273186	1.95E-09
0.36074	0.026222	0.57191	-0.01916	0.67961	-0.06488	0.16157	-0.04077	0.37938
0.23676	0.054535	0.2395	-0.03843	0.40734	-0.03969	0.39211	-0.00938	0.83975
0.83016	0.002237	0.96154	-0.12469	0.00698	-0.05232	0.25913	-0.08587	0.06371
0.00018	-0.1049	0.02338	-0.02468	0.59481	-0.11195	0.01551	-0.19207	2.93E-05
0.25671	0.05765	0.21368	-0.13515	0.00343	-0.09461	0.04099	-0.03674	0.42835
1.20E-09	-0.10996	0.01745	-0.06116	0.18707	-0.10756	0.02008	-0.17411	0.00016
0.93088	0.01699	0.71422	-0.03123	0.50085	-0.13969	0.00248	-0.07861	0.08973
9.93E-11	0.079369	0.08666	0.114445	0.01334	0.067769	0.14367	0.152719	0.00093
0.00139	-0.02187	0.63735	-0.04461	0.33614	-0.09856	0.03322	-0.04073	0.37979
0.94425	0.003695	0.93652	-0.01952	0.67393	-0.03255	0.48281	-0.0089	0.84787
0.81276	-0.00447	0.9233	0.018201	0.69484	0.036794	0.42763	0.002395	0.95884
0.58713	-0.0238	0.60789	-0.09224	0.04635	-0.04986	0.28224	-0.05869	0.20552
0.00279	0.019959	0.66705	0.018564	0.68906	0.161028	0.00048	0.079975	0.08427
0.02943	-0.05053	0.27583	0.015261	0.74221	-0.14348	0.00188	-0.06291	0.1747
0.00014	0.048698	0.29363	-0.0488	0.29267	-0.11615	0.01201	-0.00549	0.90587
0.59298	-0.02493	0.59106	-0.10484	0.02346	-0.0557	0.22958	-0.08306	0.07294
0.41405	0.010351	0.82346	-0.09707	0.036	-0.11962	0.00967	-0.04222	0.36264
0.8272	0.133069	0.00397	-0.05309	0.2522	-0.10518	0.02301	-0.0302	0.51498
4.99E-11	0.000879	0.98489	-0.04209	0.36411	-0.02035	0.66094	-0.01581	0.73323
0.00081	-0.01642	0.72343	-0.03929	0.39694	-0.05112	0.27024	-0.06739	0.14591
0.87875	-0.00919	0.84295	-0.03701	0.42491	-0.06078	0.18979	-0.06222	0.17953
0.07243	-0.0047	0.91925	0.048593	0.29468	0.014298	0.75796	-0.01047	0.82146
0.24973	0.062543	0.17725	0.059543	0.19899	0.117292	0.01119	0.170413	0.00022

0.016	-0.23253	3.75E-07	0.016815	0.71703	-0.17471	0.00015	-0.30638	1.32E-11
0.55371	0.027221	0.55734	0.131013	0.00457	0.059313	0.20074	0.145465	0.00162
7.27E-11	-0.12302	0.00778	-0.02941	0.5261	-0.09737	0.03542	-0.13397	0.00373
0.0009	0.048116	0.29946	0.433807	7.50E-23	0.166083	0.00031	0.24046	1.44E-07
0.42903	-0.08356	0.07121	0.216982	2.21E-06	-0.0404	0.38376	-0.12366	0.00746
0.00108	-0.01026	0.82504	-0.00738	0.87355	-0.03763	0.41714	-0.11647	0.01177
0.28205	0.010965	0.81319	0.062294	0.17899	0.115411	0.01257	0.012996	0.7794
0.01029	0.019684	0.67136	0.038711	0.40393	0.227848	6.48E-07	0.137934	0.00282
0.78042	0.056292	0.22468	0.114427	0.01335	0.273588	1.84E-09	0.200548	1.26E-05
0.74611	0.077122	0.09598	-0.04411	0.34153	0.110469	0.01693	0.193036	2.67E-05
0.40933	0.102875	0.02621	-0.10293	0.02613	-0.01531	0.74144	0.048441	0.2962
0.47252	0.042198	0.36289	-0.11392	0.01377	0.002986	0.94869	0.034943	0.45125
0.09888	-0.02629	0.57087	-0.1145	0.01329	-0.14329	0.00191	-0.16063	0.00049
0.61272	0.051195	0.26956	-0.01707	0.71294	0.051394	0.26769	0.076859	0.09713
0.03089	0.074666	0.10708	-0.09192	0.04711	-0.03856	0.40581	0.100884	0.02927
0.22208	-0.05703	0.21865	-0.04685	0.3124	0.006409	0.89014	-0.1039	0.02475
0.00073	-0.00294	0.94942	0.029675	0.52237	0.047538	0.3053	-0.06237	0.17842
5.81E-07	0.066502	0.15133	-0.08968	0.05277	0.0876	0.05854	0.095045	0.04006
0.07422	0.02256	0.62677	0.34109	3.46E-14	0.204383	8.51E-06	0.209117	5.18E-06
0.51253	-0.03234	0.48571	0.128286	0.0055	-0.05087	0.27257	-0.08845	0.05614
0.97161	0.024767	0.59343	0.015549	0.73752	-0.10331	0.02557	-0.08839	0.05631
0.00117	0.127932	0.00563	0.014277	0.7583	-0.01447	0.75517	0.056433	0.22352
0.00304	0.031157	0.50179	-0.19374	2.49E-05	-0.08494	0.06664	-0.04211	0.36384
0.00035	0.038852	0.40221	0.030383	0.51249	-0.13018	0.00484	-0.02996	0.51832
0.29462	0.027572	0.55227	0.024336	0.59988	0.074716	0.10684	0.140254	0.00238
0.00097	0.040653	0.38075	0.170007	0.00022	0.150158	0.00114	0.184293	6.17E-05
6.10E-08	-0.03893	0.40125	-0.23635	2.38E-07	-0.18992	3.62E-05	-0.19213	2.92E-05
0.43839	0.073028	0.11502	0.049807	0.28276	-0.02305	0.61925	0.006363	0.89092
0.03218	-0.03942	0.39533	-0.23326	3.44E-07	-0.138	0.0028	-0.20096	1.21E-05
0.00602	-0.10774	0.01987	0.053506	0.2485	-0.17525	0.00014	-0.20236	1.05E-05
0.00507	0.259783	1.22E-08	0.095658	0.03879	0.186242	5.13E-05	0.348335	9.08E-15
9.14E-13	-0.04438	0.33859	0.05647	0.22321	-0.00755	0.87066	-0.10858	0.01892
3.84E-08	0.031499	0.49711	0.154359	0.00082	0.019724	0.67073	0.019229	0.67853
0.01406	0.085374	0.06527	-0.0968	0.03652	-0.09617	0.03775	-0.01169	0.80115
0.03668	0.129187	0.00517	-0.14859	0.00128	-0.02523	0.58655	0.025631	0.5806
0.01226	-0.05226	0.25973	0.088823	0.05509	-0.03241	0.48469	-0.06047	0.19206
0.21999	-0.17093	0.00021	-0.14816	0.00132	-0.1946	2.29E-05	-0.3109	6.35E-12
0.28707	0.124195	0.00721	-0.0161	0.72864	0.030522	0.51055	0.072298	0.1187
0.03487	-0.15882	0.00057	-0.04461	0.33614	-0.04713	0.30952	-0.20966	4.89E-06
0.04181	-0.07221	0.11915	-0.09133	0.04855	-0.08278	0.07392	-0.1309	0.00461
0.28489	-0.02055	0.65784	-0.17274	0.00018	-0.09395	0.04242	-0.09798	0.03427
0.11396	-0.07084	0.12637	0.131622	0.00438	0.024515	0.59719	-0.06165	0.18356
0.64047	-0.06626	0.15284	-0.18358	6.59E-05	-0.16312	0.0004	-0.19189	2.99E-05
0.00019	-0.00081	0.98607	0.331073	2.08E-13	0.191804	3.01E-05	0.140332	0.00237
2.67E-09	0.107457	0.0202	-0.09578	0.03854	0.006718	0.88488	0.10903	0.01843

0.00239	-0.07497	0.10566	0.025532	0.58207	-0.08705	0.06014	-0.12104	0.00884
0.25618	-0.074	0.11025	-0.12931	0.00513	-0.04698	0.31104	-0.14642	0.00151
0.0002	-0.01121	0.80916	-0.04986	0.28223	-0.0616	0.18387	-0.04916	0.28909
0.4293	0.008443	0.8556	-0.01981	0.66945	-0.00484	0.91692	-0.01564	0.73602
0.92279	-0.00903	0.84576	-0.04045	0.38312	0.018571	0.68895	0.02307	0.619
0.49181	-0.04551	0.32637	-0.22967	5.24E-07	-0.11157	0.01586	-0.16657	0.0003
0.00097	0.078396	0.0906	-0.03439	0.45844	-0.02522	0.58673	0.027828	0.54859
0.03928	-0.05244	0.2581	-0.16937	0.00024	-0.19595	2.00E-05	-0.27338	1.89E-09
1.18E-05	-0.18689	4.83E-05	0.044552	0.33672	-0.06281	0.1754	-0.15094	0.00107
0.55698	-0.16334	0.00039	-0.04592	0.32211	-0.15713	0.00066	-0.23026	4.90E-07
0.00283	-0.12558	0.00658	-0.1107	0.01671	-0.27496	1.51E-09	-0.27754	1.05E-09
1.98E-06	0.138563	0.00269	0.058393	0.20782	0.169262	0.00024	0.296842	5.92E-11
0.97839	-0.00427	0.92673	-0.09731	0.03552	-0.02219	0.63247	-0.08206	0.07648
0.90253	0.03987	0.38999	-0.02706	0.55965	0.019747	0.67038	0.096424	0.03725
6.54E-05	0.023033	0.61956	-0.03668	0.42901	0.052122	0.26096	-0.00301	0.94827
0.26358	0.06107	0.1877	0.073766	0.11139	0.01832	0.69293	0.025369	0.58448
0.26846	0.073152	0.1144	-0.00982	0.83239	-0.00821	0.85953	-0.00069	0.98806
0.70419	0.03952	0.39418	-0.02828	0.54206	-0.0824	0.07525	-0.01254	0.78698
0.1726	-0.01613	0.72817	0.036344	0.4333	-0.0449	0.33298	-0.09812	0.03402
0.34244	-0.00048	0.99174	0.06475	0.16242	-0.02934	0.52711	-0.04882	0.29242
0.47064	-0.14877	0.00126	0.025945	0.57598	-0.03001	0.51764	-0.12606	0.00638
0.37956	-0.01751	0.70584	-0.06864	0.1386	-0.05649	0.22303	-0.09461	0.04099
0.09205	-0.0052	0.91075	-0.06139	0.18539	-0.1104	0.017	-0.05856	0.20655
0.50912	-0.02225	0.63155	-0.10349	0.02532	-0.03065	0.50883	-0.01052	0.82068
0.00433	-0.02261	0.62605	-0.15279	0.00093	-0.13059	0.0047	-0.08006	0.08394
0.00026	-0.10233	0.02702	0.096648	0.03681	-0.10022	0.03035	-0.14239	0.00204
0.60791	-0.0287	0.53608	-0.13213	0.00423	-0.21587	2.50E-06	-0.25678	1.81E-08
1.33E-08	0.002073	0.96436	-0.11094	0.01646	-0.09118	0.04892	-0.09278	0.04507
0.01067	0.11857	0.01033	-0.00635	0.89115	-0.06124	0.1865	-0.01311	0.77751
0.07816	-0.04118	0.37463	0.150402	0.00111	0.009746	0.83362	0.030997	0.50399
0.00217	0.036791	0.42766	-0.00749	0.87178	0.026247	0.57154	0.115412	0.01257
0.04963	0.031094	0.50266	0.054613	0.23883	0.082483	0.07496	0.166065	0.00031
0.13255	0.028899	0.5333	0.099854	0.03097	0.131262	0.00449	0.210655	4.40E-06
0.01544	0.036617	0.42985	0.210421	4.51E-06	0.179299	9.78E-05	0.267708	4.17E-09
0.81102	0.033925	0.46455	0.146703	0.00148	0.05103	0.2711	0.120767	0.00899
0.22804	-0.05038	0.27724	0.145837	0.00158	0.040319	0.38467	0.046345	0.31761
0.6268	-0.08958	0.05304	-0.18636	5.08E-05	-0.20589	7.27E-06	-0.25843	1.46E-08
0.08745	-0.18932	3.83E-05	-0.21769	2.05E-06	-0.13063	0.00469	-0.21262	3.56E-06
0.25899	-0.18154	7.97E-05	-0.11621	0.01197	-0.16368	0.00038	-0.22756	6.71E-07
0.97963	-0.13667	0.00308	-0.11603	0.0121	-0.23268	3.68E-07	-0.26379	7.12E-09
0.11465	0.067241	0.14682	-0.06057	0.19137	-0.09853	0.03327	-0.09303	0.0445
0.21419	-0.00335	0.94247	-0.03041	0.51205	-0.08929	0.05383	-0.10662	0.02119
0.90258	0.051286	0.2687	0.006761	0.88414	-0.04173	0.36822	-0.00333	0.94286
0.45066	0.013936	0.7639	-0.02751	0.55313	-0.11013	0.01728	-0.06215	0.17998
0.69823	0.102655	0.02653	-0.28734	2.50E-10	-0.12653	0.00618	-0.01007	0.82813



0.39106	0.218805	1.81E-06	-0.06469	0.16281	-0.00672	0.88478	0.10673	0.02106
0.52311	0.239904	1.54E-07	-0.08478	0.06718	-0.00893	0.84735	0.108743	0.01874
0.19865	0.101152	0.02884	-0.09865	0.03307	-0.0933	0.04388	-0.06108	0.18765
0.29426	0.04442	0.33815	0.017911	0.69946	-0.00812	0.86114	-0.00395	0.93209
0.08504	0.078323	0.09091	0.039218	0.3978	-0.06611	0.15377	-0.01491	0.74786
0.10325	-0.08731	0.05938	-0.004	0.93136	0.033929	0.4645	-0.12121	0.00874
0.96179	0.25959	1.25E-08	-0.05376	0.24629	0.09438	0.04148	0.196175	1.96E-05
0.33742	-0.03154	0.49657	0.048793	0.2927	0.116981	0.01141	0.122715	0.00793
0.93607	-0.1374	0.00293	-0.21655	2.32E-06	-0.13233	0.00417	-0.19098	3.26E-05
0.00049	0.118744	0.01022	0.046893	0.31192	0.08738	0.05918	0.058151	0.20971
3.46E-11	-0.08662	0.06144	0.038315	0.40876	0.061595	0.18392	-0.06503	0.16063
8.15E-16	-0.10974	0.01768	-0.09035	0.05103	-0.09808	0.0341	-0.18101	8.36E-05
0.02197	0.154902	0.00078	0.039535	0.39399	0.200072	1.32E-05	0.246184	7.09E-08
0.68561	-0.01887	0.68425	0.122001	0.00831	0.034122	0.46196	0.087489	0.05886
0.53817	-0.04435	0.33887	-0.26553	5.62E-09	-0.23623	2.41E-07	-0.154	0.00084
0.15909	0.196519	1.89E-05	-0.02292	0.62126	0.126552	0.00617	0.234781	2.87E-07
0.01939	0.064166	0.16625	0.258991	1.35E-08	0.218379	1.90E-06	0.229761	5.19E-07
0.96415	0.048446	0.29614	0.072849	0.11591	-0.01736	0.70832	0.005595	0.90402
1.20E-05	0.051264	0.26891	-0.09151	0.04811	-0.12419	0.00721	-0.01931	0.67727
1.18E-05	0.011148	0.81013	-0.0219	0.63682	0.063815	0.16858	0.014043	0.76215
0.96184	0.107831	0.01976	0.191471	3.11E-05	0.042664	0.35761	0.0113	0.80758
0.76625	0.078954	0.08833	0.038254	0.4095	-0.02911	0.53035	-0.03329	0.47298
0.3135	0.139119	0.00259	0.197447	1.72E-05	0.036383	0.43281	0.084282	0.0688
0.13645	0.125646	0.00655	0.109803	0.01761	0.025034	0.58946	0.061417	0.1852
0.00022	0.012059	0.79494	-0.04601	0.32118	-0.07785	0.09287	-0.02859	0.53773
0.73843	-0.172	0.00019	-0.28625	2.94E-10	-0.20651	6.82E-06	-0.27581	1.34E-09
9.41E-06	-0.12928	0.00514	0.029137	0.52993	-0.1087	0.01878	-0.17788	0.00011
0.14689	0.059139	0.20207	-0.1835	6.64E-05	-0.05634	0.22429	-0.05702	0.21871
0.11734	0.216011	2.46E-06	0.061097	0.1875	0.25264	3.11E-08	0.307929	1.03E-11
0.7063	-0.05947	0.19955	0.042409	0.36049	-0.04297	0.35422	-0.14489	0.00169
0.0002	0.512832	1.10E-32	0.067658	0.14433	0.044774	0.33431	0.185644	5.43E-05
0.12525	0.098577	0.03319	0.145328	0.00164	-0.01808	0.69675	0.072248	0.11896
0.39797	-0.00954	0.83706	-0.15517	0.00077	-0.07114	0.12475	-0.14885	0.00126
0.13134	0.073463	0.11287	0.067766	0.14369	0.107182	0.02052	0.144907	0.00169
0.63262	0.294386	8.64E-11	0.051629	0.26551	0.106329	0.02155	0.193036	2.67E-05
0.99896	-0.02459	0.59613	-0.01448	0.75498	-0.06636	0.1522	-0.03654	0.43088
0.87281	-0.00382	0.93441	0.000924	0.98411	0.051145	0.27002	0.0591	0.20236
0.33537	0.087	0.0603	0.026187	0.57243	0.175946	0.00013	0.205144	7.86E-06
0.38509	-0.04785	0.30213	-0.24348	9.93E-08	-0.20582	7.32E-06	-0.19386	2.46E-05
0.22776	-0.03786	0.41436	0.370607	1.19E-16	0.3558	2.20E-15	0.291317	1.38E-10
0.45824	-0.06188	0.18187	-0.06864	0.1386	-0.14628	0.00153	-0.19794	1.64E-05
0.29961	0.227193	6.99E-07	-0.21076	4.35E-06	-0.07689	0.09701	-0.03561	0.4426
0.12162	-0.1031	0.02588	-0.23662	2.30E-07	-0.18375	6.49E-05	-0.30605	1.39E-11
0.38495	0.007587	0.87011	0.030417	0.51202	0.036846	0.42697	-0.0016	0.97248
0.00378	0.023314	0.61529	0.045764	0.32372	0.051798	0.26395	0.011776	0.79965

0.81291	-0.01279	0.78278	0.171888	0.00019	0.008082	0.86172	-0.0374	0.4201
2.38E-08	0.038697	0.4041	0.056653	0.22172	-0.07888	0.08862	0.011231	0.80874
0.67649	-0.05225	0.25979	-0.14054	0.00233	-0.14081	0.00229	-0.1652	0.00034
0.00104	0.038094	0.41147	-0.07932	0.08686	-0.07254	0.11745	-0.06129	0.1861
0.19467	0.041646	0.36921	0.020009	0.66626	0.019241	0.67834	0.012812	0.78244
0.73762	0.018141	0.69579	-0.02162	0.64125	-0.09357	0.04327	-0.03161	0.4956
0.00027	0.029919	0.51894	0.137339	0.00294	0.124047	0.00728	0.137197	0.00297
7.04E-07	-0.00645	0.88937	-0.0891	0.05433	-0.07154	0.12262	-0.09062	0.05034
0.00064	-0.14635	0.00152	-0.14549	0.00162	-0.30404	1.92E-11	-0.30576	1.46E-11
0.00329	0.030613	0.50929	-0.06197	0.18124	-0.05763	0.2138	-0.03173	0.49397
0.00121	0.167712	0.00027	0.023432	0.6135	0.151397	0.00103	0.220125	1.56E-06
0.0505	0.178201	0.00011	-0.05794	0.21137	0.038351	0.40832	0.096723	0.03666
4.84E-16	0.030672	0.50848	-0.05615	0.22581	-0.03465	0.45507	-0.02416	0.60252
0.22846	0.021779	0.63875	0.006955	0.88084	0.020439	0.65954	0.030774	0.50708
0.62848	-0.00712	0.8781	-0.04988	0.28203	-0.03534	0.44614	-0.05585	0.22834
2.31E-09	0.131275	0.00449	-0.05743	0.2154	-0.01392	0.7641	0.099046	0.03236
0.0146	-0.02971	0.52191	0.062611	0.17678	-0.08621	0.06269	-0.13524	0.00341
0.5959	0.146833	0.00146	-0.15994	0.00052	-0.15763	0.00063	-0.08605	0.06318
0.4599	-0.10215	0.02729	-0.17789	0.00011	-0.16373	0.00038	-0.15597	0.00072
4.69E-05	-0.02944	0.52564	0.224233	9.82E-07	0.144603	0.00173	0.073855	0.11095
0.44637	0.081552	0.07831	0.326593	4.55E-13	0.206412	6.89E-06	0.22271	1.17E-06
1.96E-05	0.075069	0.10519	0.408402	3.37E-20	0.314666	3.42E-12	0.289049	1.94E-10
0.58576	0.002541	0.95633	0.147609	0.00138	0.165912	0.00032	0.260222	1.15E-08
0.01318	-0.02578	0.57839	-0.0402	0.38605	0.005475	0.90607	-0.03459	0.45583
0.00109	0.113003	0.01455	-0.06213	0.18015	-0.01072	0.8172	0.045803	0.32331
0.0015	-0.16797	0.00027	0.165086	0.00034	-0.02579	0.57825	-0.16488	0.00035
0.02919	-0.12869	0.00535	0.143495	0.00188	0.165277	0.00033	0.039812	0.39068
7.28E-06	-0.12463	0.00701	-0.03716	0.42303	-0.17287	0.00017	-0.27329	1.92E-09
0.27788	-0.00297	0.94894	0.157651	0.00063	0.166415	0.0003	0.144403	0.00176
0.02795	-0.05198	0.26223	-0.14653	0.0015	-0.09987	0.03094	-0.16526	0.00034
4.44E-07	0.020537	0.658	0.025625	0.5807	-0.05256	0.25696	-0.00555	0.90475
2.36E-08	0.013848	0.76535	0.034401	0.4583	-0.03661	0.42999	-0.00912	0.84425
1.55E-05	-0.03682	0.42734	0.027891	0.54769	-0.00085	0.98543	-0.00105	0.98187
0.22723	-0.12842	0.00545	0.038452	0.40709	-0.05802	0.21078	-0.16555	0.00033
0.02414	-0.05976	0.19732	0.061174	0.18694	-0.22052	1.49E-06	-0.1551	0.00077
0.00117	0.149245	0.00122	0.114219	0.01352	0.017277	0.7096	0.173337	0.00017
0.69495	-0.00117	0.97992	0.179626	9.50E-05	0.21491	2.78E-06	0.206114	7.10E-06
8.16E-05	0.07819	0.09146	-0.01932	0.67702	-0.09611	0.03787	-0.01083	0.8155
0.90836	0.005871	0.89931	-0.24747	6.03E-08	-0.13134	0.00447	-0.10754	0.0201
0.77366	0.059032	0.20288	0.123163	0.00771	0.230565	4.72E-07	0.1819	7.71E-05
0.03054	0.008399	0.85635	0.005228	0.91028	-0.19745	1.72E-05	-0.1158	0.01227
0.31401	-0.04172	0.36841	0.297872	5.05E-11	0.32509	5.89E-13	0.212938	3.44E-06
0.96945	-0.05281	0.25471	0.089085	0.05438	-0.11811	0.01064	-0.09772	0.03476
0.74759	-0.01719	0.71105	0.194313	2.36E-05	-0.01434	0.75732	-0.05708	0.21826
0.94147	-0.01884	0.6847	0.233485	3.35E-07	-0.01025	0.82514	-0.00771	0.8681

0.48516	-0.03869	0.40418	0.026844	0.56282	0.04787	0.30193	0.055548	0.23088
0.06035	0.077273	0.09534	0.114021	0.01368	-0.0183	0.69333	0.092176	0.0465
0.00274	0.089028	0.05453	0.031706	0.49428	0.029678	0.52232	0.165287	0.00033
1.09E-07	0.500076	6.42E-31	0.066791	0.14955	0.133026	0.00398	0.341293	3.34E-14
8.02E-06	0.475739	9.49E-28	0.016356	0.72444	-0.04303	0.35352	0.120405	0.0092
0.0183	0.148369	0.0013	-0.03014	0.51585	0.056177	0.22563	0.042389	0.36073
0.15914	-0.00979	0.83284	-0.14301	0.00195	-0.13679	0.00306	-0.13929	0.00256
1.66E-09	0.026454	0.56851	-0.00273	0.95308	0.096981	0.03616	0.143235	0.00192
2.61E-05	0.009616	0.83581	-0.06511	0.16008	0.122454	0.00807	0.082172	0.07606
0.00321	-0.02803	0.54576	0.216201	2.41E-06	-0.05746	0.21516	0.010891	0.81442
0.00096	0.011489	0.80443	0.000989	0.983	-0.01915	0.67975	-0.05826	0.20885
0.36358	0.044336	0.33907	0.079547	0.08596	0.024098	0.60346	0.030787	0.50689
0.01427	0.025117	0.58822	-0.06969	0.13266	0.008838	0.84892	-0.01646	0.72274
0.54365	0.059429	0.19986	0.19238	2.85E-05	0.309816	7.57E-12	0.26951	3.25E-09
0.37181	-0.06497	0.16097	0.096293	0.03751	0.010635	0.8187	-0.06977	0.13217
0.35417	0.033192	0.47426	0.15044	0.00111	0.161121	0.00047	0.088718	0.05538
0.0121	-0.06336	0.17166	-0.07272	0.11654	-0.05427	0.2418	-0.07775	0.09331
6.95E-07	0.015934	0.73127	-0.07004	0.13069	0.061335	0.18578	-0.03378	0.46648
0.03568	-0.1297	0.005	-0.27376	1.79E-09	-0.23022	4.92E-07	-0.30521	1.59E-11
5.85E-08	0.084227	0.06898	0.048583	0.29478	0.022785	0.62333	0.047543	0.30525
0.46162	-0.10143	0.0284	0.022029	0.6349	0.01997	0.66688	-0.14507	0.00167
6.80E-05	-0.03853	0.40609	0.12344	0.00757	-0.00658	0.88718	-0.05584	0.22841
0.12238	-0.0345	0.45697	-0.10783	0.01977	-0.03302	0.47661	0.004141	0.92889
0.00117	0.04027	0.38525	0.110084	0.01732	0.153833	0.00085	0.142737	0.00199
0.05456	-0.04678	0.31311	-0.0762	0.10006	-0.02892	0.53299	-0.1508	0.00108
0.99206	0.0133	0.77437	-0.1406	0.00232	-0.1558	0.00073	-0.079	0.08816
0.05176	0.001753	0.96986	0.12861	0.00538	0.088003	0.05739	0.026911	0.56185
0.01623	-0.12308	0.00775	-0.1087	0.01878	0.032297	0.48627	-0.04698	0.31103
0.18914	0.027574	0.55225	0.059731	0.19757	-0.02073	0.65504	-0.02565	0.58026
0.42391	0.055941	0.22758	-0.00654	0.88799	-0.04965	0.28429	-0.00143	0.97533
0.00797	0.034049	0.46292	0.149183	0.00122	0.166531	0.0003	0.155425	0.00075
0.00065	0.10655	0.02128	0.062949	0.17445	0.235301	2.69E-07	0.264785	6.22E-09
1.20E-06	0.07577	0.10197	0.136245	0.00318	0.053765	0.24621	0.113074	0.01449
2.61E-05	0.096937	0.03625	-0.12444	0.00709	0.012066	0.79481	0.155728	0.00073
0.04145	0.243461	9.96E-08	0.189941	3.61E-05	0.197568	1.70E-05	0.405978	5.87E-20
0.00019	-0.17528	0.00014	-0.14955	0.00119	-0.03648	0.43158	-0.171	0.0002
0.5014	0.115695	0.01235	0.136218	0.00318	-0.01973	0.67058	0.09026	0.05126
0.00022	0.057869	0.21194	-0.0585	0.20702	-0.03218	0.48785	0.089601	0.05299
0.1479	0.185221	5.65E-05	-0.04501	0.33177	-0.07041	0.12865	0.140968	0.00226
0.20305	-0.1103	0.0171	0.061968	0.18128	0.038174	0.41049	-0.0105	0.82101
0.7177	0.008303	0.85798	0.016805	0.7172	-0.0201	0.66488	-0.00272	0.9532
0.02784	0.048222	0.29839	-0.06764	0.14441	-0.13445	0.0036	-0.10008	0.03058
0.00039	-0.03393	0.46452	-0.108	0.01957	-0.09254	0.04563	-0.1065	0.02134
0.20005	0.028394	0.54048	0.205345	7.70E-06	0.3465	1.28E-14	0.328406	3.32E-13
0.05796	-0.18614	5.19E-05	-0.12814	0.00555	-0.1813	8.15E-05	-0.22136	1.36E-06

2.35E-09	-0.02253	0.62727	0.100865	0.0293	0.223671	1.05E-06	0.04577	0.32366
0.09478	-0.04326	0.35098	-0.08461	0.06772	-0.22603	8.00E-07	-0.17653	0.00013
0.55457	0.088559	0.05582	0.000952	0.98364	0.026864	0.56252	0.079456	0.08631
0.54817	0.050946	0.2719	-0.00638	0.89068	-0.03172	0.49412	0.032625	0.48185
0.74342	-0.0176	0.70436	0.138623	0.00268	-0.03968	0.39221	-0.04293	0.35457
0.69438	-0.04519	0.32985	0.052044	0.26168	0.009557	0.83681	-0.06466	0.16298
0.83417	0.039028	0.40009	0.044007	0.34266	0.005203	0.91072	0.015343	0.74087
0.00661	0.077251	0.09543	0.068447	0.1397	0.038144	0.41085	0.045626	0.32519
0.00197	0.062157	0.17995	0.093693	0.043	0.034068	0.46267	0.09785	0.03452
5.87E-17	-0.07665	0.09802	-0.15977	0.00053	-0.20926	5.10E-06	-0.24651	6.80E-08
0.46824	-0.06564	0.15669	0.005507	0.90552	-0.12034	0.00924	-0.0833	0.07211
0.04584	0.093019	0.04452	0.115636	0.0124	0.166149	0.00031	0.231322	4.32E-07
0.00579	0.090952	0.0495	0.006928	0.8813	0.001719	0.97044	0.168089	0.00026
0.00732	0.011077	0.8113	0.01341	0.77255	-0.05264	0.25622	-0.02959	0.5236
0.01085	-0.04724	0.30837	-0.01342	0.77236	0.04352	0.34804	0.014749	0.75057
0.03139	0.012849	0.78183	0.099674	0.03127	0.159676	0.00053	0.09133	0.04855
1.41E-06	0.00748	0.87193	0.253474	2.79E-08	-0.07442	0.10825	-0.01857	0.68902
0.46531	0.004854	0.91668	0.050114	0.2798	-0.00808	0.86181	-0.01222	0.7923
0.74518	0.054497	0.23983	-0.0868	0.06088	-0.03416	0.46149	-0.02512	0.58815
0.56189	-0.05586	0.22823	-0.14847	0.00129	-0.15931	0.00055	-0.17021	0.00022
0.45471	-0.01565	0.73592	-0.15813	0.0006	-0.08549	0.06492	-0.13294	0.004
0.90994	0.068208	0.14109	0.125648	0.00655	0.086156	0.06284	0.121876	0.00838
0.94287	-0.00602	0.89675	-0.10567	0.02238	-0.10086	0.02931	-0.11096	0.01644
0.24481	-0.04531	0.32859	0.288511	2.10E-10	0.177305	0.00012	0.161491	0.00046
0.04729	-0.01115	0.81013	0.495196	2.91E-30	0.147928	0.00135	0.117898	0.01078
0.63592	0.10192	0.02764	0.086065	0.06312	0.161774	0.00045	0.294057	9.09E-11
0.37817	0.037728	0.41598	0.063036	0.17385	0.089114	0.0543	0.140562	0.00233
0.95978	0.112587	0.01492	0.042123	0.36375	0.117021	0.01138	0.213865	3.11E-06
0.00707	0.058414	0.20766	0.174448	0.00015	0.325971	5.06E-13	0.307597	1.08E-11
0.72556	0.037414	0.41988	-0.21495	2.77E-06	-0.13049	0.00474	-0.10087	0.02929
0.00682	0.064819	0.16197	0.148381	0.0013	0.211113	4.19E-06	0.166582	0.0003
0.00281	0.043181	0.35181	0.293067	1.06E-10	0.335731	9.11E-14	0.322328	9.45E-13
0.00043	-0.20291	9.91E-06	0.055273	0.2332	0.011827	0.7988	-0.06424	0.16577
0.00148	-0.08533	0.06542	0.233972	3.16E-07	0.146729	0.00147	0.121657	0.00849
6.85E-05	-0.15763	0.00063	0.110525	0.01688	-0.15209	0.00098	-0.21623	2.40E-06
0.86181	0.114269	0.01348	0.162165	0.00043	0.308971	8.69E-12	0.313378	4.23E-12
0.67678	0.282092	5.43E-10	-0.01304	0.77859	0.06171	0.1831	0.140881	0.00228
0.73105	0.132703	0.00407	-0.01165	0.80178	-0.03724	0.42203	-0.0561	0.22625
0.03639	0.037139	0.4233	0.01269	0.78446	-0.10262	0.02658	-0.04562	0.3253
0.03375	-0.07985	0.08477	-0.05372	0.24665	0.038651	0.40465	-0.02341	0.61381
0.08566	0.0541	0.24328	0.049708	0.28373	3.19E-05	0.99945	0.046068	0.32052
1.53E-08	0.02745	0.55404	-0.26201	9.05E-09	-0.14737	0.0014	-0.14208	0.00209
0.05872	-0.05954	0.19904	-0.06891	0.13704	-0.05363	0.24742	-0.12973	0.00499
0.04848	0.062774	0.17565	-0.0835	0.07144	-0.07412	0.1097	-0.03393	0.46446
3.26E-09	0.19466	2.28E-05	-0.10566	0.02239	0.001884	0.9676	0.151042	0.00106

0.00042	-0.19546	2.10E-05	0.010614	0.81906	0.012573	0.78641	-0.09223	0.04637
0.00039	0.111159	0.01625	0.224189	9.87E-07	0.184494	6.05E-05	0.292913	1.08E-10
0.00067	0.240657	1.41E-07	0.066252	0.15288	0.122561	0.00801	0.203619	9.21E-06
0.09539	0.010177	0.82639	0.09769	0.03482	0.014739	0.75074	0.082892	0.07352
7.90E-06	0.084691	0.06746	-0.05278	0.25499	-0.07513	0.1049	-0.0752	0.10458
8.50E-05	0.010177	0.82638	0.073225	0.11404	-0.01901	0.68206	0.127665	0.00573
0.00201	0.048332	0.29728	0.039565	0.39363	-0.0197	0.67107	0.08268	0.07426
0.12888	0.18181	7.77E-05	0.218426	1.89E-06	0.215857	2.50E-06	0.365672	3.20E-16
0.00031	0.22014	1.56E-06	0.128565	0.0054	0.189361	3.81E-05	0.218667	1.84E-06
0.01049	-0.0857	0.06425	-0.14492	0.00169	-0.20558	7.51E-06	-0.22395	1.01E-06
7.52E-05	0.017762	0.70184	0.141006	0.00226	-0.06103	0.18797	-0.01134	0.80685
0.80113	-0.05359	0.24776	0.083168	0.07256	-0.17331	0.00017	-0.15158	0.00102
4.03E-11	-0.16487	0.00035	-0.15337	0.00088	-0.22361	1.05E-06	-0.317	2.32E-12
0.43447	0.151169	0.00105	-0.09836	0.03358	0.003084	0.94701	0.131292	0.00448
0.01033	-0.19709	1.79E-05	-0.17209	0.00019	-0.13995	0.00244	-0.26416	6.77E-09
0.0612	0.029761	0.52116	-0.17769	0.00011	-0.20399	8.86E-06	-0.13248	0.00413
0.20587	0.165114	0.00034	0.160406	0.0005	0.225454	8.54E-07	0.362809	5.64E-16
0.04015	0.009747	0.83361	-0.11511	0.01281	-0.01689	0.71578	0.007384	0.87356
0.0033	0.130159	0.00484	0.104476	0.02395	0.04229	0.36184	0.156243	0.0007
0.01486	0.033097	0.47553	0.119146	0.00996	0.114807	0.01304	0.126394	0.00624
0.11615	0.186625	4.95E-05	0.206388	6.90E-06	0.26377	7.14E-09	0.380044	1.71E-17
0.25248	0.057426	0.21546	-0.14505	0.00167	-0.11619	0.01198	0.014391	0.75642
0.26774	0.027714	0.55023	-0.05605	0.2267	0.017802	0.7012	-0.05561	0.23034
0.70051	0.116995	0.0114	0.050297	0.27805	-0.02617	0.57267	0.005324	0.90865
0.40416	-0.0051	0.9124	0.064714	0.16266	0.003952	0.93212	0.069536	0.13349
0.48495	0.045104	0.33076	0.116163	0.012	0.190715	3.35E-05	0.307409	1.12E-11
0.00043	0.065092	0.16021	0.102108	0.02735	0.056619	0.222	0.096967	0.03619
0.06327	0.105679	0.02237	0.170654	0.00021	0.136206	0.00318	0.267508	4.29E-09
3.84E-14	0.328336	3.36E-13	0.004652	0.92013	0.061867	0.18199	0.246118	7.14E-08
0.58117	0.256432	1.90E-08	-0.02224	0.6317	0.06088	0.18907	0.282996	4.76E-10
0.01141	-0.00351	0.93978	-0.08764	0.05842	-0.03283	0.47909	-0.06601	0.1544
0.00119	-0.13841	0.00272	-0.20766	6.04E-06	-0.27012	2.99E-09	-0.28161	5.82E-10
0.73077	0.071583	0.12241	-0.11258	0.01493	-0.07388	0.11083	0.094641	0.04092
0.0091	0.010198	0.82603	-0.14943	0.0012	-0.09717	0.0358	-0.11482	0.01303
0.01155	-0.02789	0.54768	0.046004	0.32119	-0.01099	0.81271	-0.08052	0.08219
2.02E-06	0.052904	0.25387	-0.01514	0.74419	-0.08474	0.06731	0.007939	0.86414
0.95553	0.044107	0.34157	-0.01587	0.73227	-0.03494	0.45129	-0.04478	0.33426
3.61E-08	0.070582	0.12774	0.171702	0.00019	0.181071	8.32E-05	0.194132	2.40E-05
0.13415	0.069245	0.13513	0.030364	0.51275	0.038482	0.40671	0.108143	0.01941
0.14233	0.07524	0.1044	-0.09472	0.04075	-0.072	0.12026	0.107574	0.02006
0.91121	0.151011	0.00106	0.048769	0.29293	-0.00503	0.91372	0.044857	0.33342
0.2342	-0.22649	7.58E-07	0.003794	0.93482	-0.18019	9.02E-05	-0.26481	6.20E-09
2.36E-09	0.049756	0.28326	0.108282	0.01925	-0.02524	0.58644	0.018227	0.69442
0.05091	-0.04335	0.34996	-0.13333	0.00389	-0.13352	0.00384	-0.09716	0.03581
0.33908	-0.01339	0.77296	0.010248	0.82519	0.00388	0.93336	-0.0474	0.30676

0.81933	0.028587	0.53773	0.127485	0.0058	0.18649	5.02E-05	0.162471	0.00042
3.77E-12	0.03316	0.47469	-0.00655	0.88773	-0.03537	0.44572	0.020466	0.65912
0.13323	0.146404	0.00151	0.063073	0.1736	-0.03797	0.41298	0.06631	0.15252
0.10276	-0.07492	0.1059	-0.15992	0.00052	-0.21686	2.24E-06	-0.27672	1.18E-09
0.27528	-0.00355	0.93907	-0.10203	0.02747	-0.01625	0.72613	-0.03162	0.4954
0.60406	0.002355	0.95952	-0.09938	0.03179	-0.14217	0.00207	-0.06765	0.14438
0.76054	0.114082	0.01363	0.262783	8.16E-09	0.138683	0.00267	0.228965	5.69E-07
0.30467	-0.00557	0.90445	0.020334	0.66117	-0.13271	0.00407	-0.08118	0.07969
0.002	-0.18673	4.90E-05	0.097477	0.03522	0.025059	0.58908	-0.14887	0.00125
0.01333	-0.11239	0.0151	-0.03918	0.39826	0.051499	0.26672	-0.03592	0.43874
0.65271	0.015155	0.74394	-0.09772	0.03475	-0.09605	0.03799	-0.08759	0.05857
3.45E-11	0.001385	0.97618	0.142708	0.00199	-0.01619	0.72711	0.032179	0.48787
0.36585	0.059437	0.19979	-0.07384	0.11101	0.202415	1.04E-05	0.289971	1.69E-10
0.43315	-0.01775	0.70207	-0.14025	0.00238	-0.17183	0.00019	-0.12459	0.00703
0.71133	-0.04761	0.30456	0.149689	0.00118	0.155665	0.00074	0.164991	0.00034
0.10827	0.365539	3.28E-16	-0.16289	0.00041	-0.14037	0.00236	0.035751	0.44085
0.00382	0.043258	0.35095	-0.01707	0.71294	-0.04606	0.32059	-0.00102	0.9825
1.06E-07	0.051353	0.26807	0.012492	0.78775	-0.05816	0.20967	0.00072	0.98762
0.05405	-0.0793	0.08694	-0.16175	0.00045	-0.15034	0.00112	-0.16936	0.00024
1.58E-07	-0.01293	0.78053	0.240101	1.51E-07	0.106269	0.02163	0.123784	0.0074
0.65975	-0.09006	0.05178	-0.01465	0.75211	-0.16097	0.00048	-0.21233	3.67E-06
0.00123	-0.1767	0.00012	-0.03268	0.4811	-0.20163	1.13E-05	-0.23657	2.31E-07
9.69E-09	0.154988	0.00078	0.155574	0.00074	0.231365	4.30E-07	0.347553	1.05E-14
0.19865	0.319654	1.49E-12	0.154836	0.00079	0.188536	4.13E-05	0.357604	1.56E-15
0.15116	0.260827	1.06E-08	0.0679	0.1429	0.117838	0.01082	0.182902	7.02E-05
0.36505	-0.19224	2.89E-05	0.029155	0.52969	-0.05964	0.19829	-0.18801	4.34E-05
7.19E-06	0.061211	0.18668	0.083232	0.07234	0.00521	0.9106	0.047222	0.30853
0.28042	0.12113	0.00879	0.058911	0.20381	0.203355	9.46E-06	0.239362	1.65E-07
7.41E-13	-0.05698	0.21902	-0.10894	0.01853	-0.14561	0.0016	-0.12233	0.00814
0.00106	0.050389	0.27718	-0.12548	0.00662	0.037332	0.4209	0.048478	0.29583
0.07392	0.027522	0.55301	0.192492	2.82E-05	0.110192	0.01721	0.162381	0.00043
0.01351	0.132008	0.00427	-0.07659	0.0983	-0.00862	0.85269	0.150561	0.0011
1.93E-05	0.00477	0.91812	0.110644	0.01676	0.059789	0.19714	0.150223	0.00113
0.00278	0.009598	0.83612	0.014255	0.75866	-0.13084	0.00462	-0.01067	0.81812
0.69063	-0.06401	0.16729	0.127776	0.00569	0.099856	0.03097	0.080973	0.08046
0.44134	-0.12815	0.00555	-0.18917	3.88E-05	-0.21495	2.76E-06	-0.26857	3.70E-09
0.91278	-0.00815	0.86064	0.034738	0.45391	-0.09344	0.04357	-0.10014	0.0305
0.00033	-0.10448	0.02394	0.139876	0.00245	0.070267	0.12945	-0.07078	0.12669
0.76435	0.035671	0.44187	0.058721	0.20528	0.085094	0.06617	0.143995	0.00181
0.37628	-0.01956	0.67333	0.009261	0.84179	0.038031	0.41224	0.054455	0.2402
0.0293	0.031752	0.49367	0.052685	0.25584	-0.14341	0.00189	-0.02659	0.56649
6.65E-05	0.132737	0.00406	0.029813	0.52043	0.081897	0.07706	0.172472	0.00018
0.38053	-0.16446	0.00036	-0.10448	0.02394	-0.02784	0.54844	-0.14665	0.00148
0.00012	-0.04267	0.35755	0.277478	1.06E-09	0.162899	0.00041	0.120748	0.009
0.05719	0.0647	0.16274	-0.01139	0.80612	0.031079	0.50287	0.076371	0.09928

1.45E-05	0.10934	0.0181	0.220063	1.57E-06	0.176166	0.00013	0.335507	9.48E-14
0.00015	0.074436	0.10816	0.152076	0.00098	-0.04497	0.3322	0.082996	0.07316
0.46949	0.185018	5.76E-05	0.240427	1.45E-07	0.186629	4.95E-05	0.380756	1.47E-17
0.24621	0.063941	0.16774	0.275194	1.46E-09	0.234334	3.02E-07	0.167112	0.00029
0.82979	-0.00637	0.89087	0.180966	8.40E-05	0.158928	0.00057	0.132359	0.00417
0.67624	0.021158	0.64835	0.168062	0.00026	0.164551	0.00036	0.143275	0.00191
0.70278	-0.01556	0.7373	0.149329	0.00121	0.107298	0.02038	0.079879	0.08465
0.98364	-0.00457	0.92162	0.069116	0.13586	0.125618	0.00657	0.021092	0.64938
0.00546	0.11636	0.01186	-0.05161	0.2657	-0.09238	0.04601	0.020941	0.65172
0.46077	0.068215	0.14105	0.073414	0.11311	0.018584	0.68875	0.031069	0.50301
0.10801	-0.12131	0.00868	-0.16326	0.0004	-0.14237	0.00204	-0.2646	6.38E-09
0.02354	-0.1044	0.02406	-0.10375	0.02496	-0.23688	2.23E-07	-0.28069	6.66E-10
1.29E-07	-0.08001	0.08412	0.089271	0.05388	-0.03907	0.39953	-0.08757	0.05863
1.60E-05	-0.00295	0.94929	-0.09086	0.04974	-0.07463	0.10723	-0.00843	0.85587
0.30776	-0.03082	0.50643	-0.24114	1.33E-07	-0.20297	9.85E-06	-0.21842	1.89E-06
0.51422	0.178855	0.0001	0.097065	0.036	0.086937	0.06048	0.212816	3.49E-06
0.40526	0.356653	1.87E-15	-0.02196	0.6359	0.179935	9.23E-05	0.367249	2.34E-16
0.01476	-0.15823	0.0006	-0.1242	0.0072	-0.15967	0.00053	-0.29643	6.31E-11
0.91376	0.450924	9.06E-25	-0.04355	0.34775	-0.01469	0.75158	0.17226	0.00018
0.04379	0.336938	7.34E-14	0.021854	0.63759	0.251322	3.69E-08	0.343811	2.10E-14
0.32738	0.010809	0.81579	-0.03875	0.40343	-0.04646	0.31645	0.008539	0.85398
0.06426	-0.22758	6.69E-07	-0.13093	0.0046	-0.21584	2.51E-06	-0.32672	4.44E-13
0.02548	0.038671	0.40442	0.141525	0.00217	0.059598	0.19857	0.061394	0.18536
0.01447	-0.14236	0.00204	0.04897	0.29095	-0.15541	0.00075	-0.20309	9.73E-06
4.23E-05	0.110821	0.01658	0.379618	1.86E-17	0.249021	4.95E-08	0.348417	8.94E-15
0.12938	-0.05674	0.22098	-0.01076	0.81659	0.052008	0.26201	0.033913	0.46471
0.04891	0.034184	0.46115	-0.01475	0.75061	0.017196	0.7109	0.037729	0.41597
0.26433	-0.05229	0.2594	-0.27877	8.78E-10	-0.23052	4.75E-07	-0.22402	1.01E-06
0.34745	0.114261	0.01349	0.045067	0.33115	0.06052	0.19171	0.148751	0.00126
0.68839	0.032289	0.48638	0.094125	0.04204	0.178689	0.0001	0.232709	3.67E-07
0.07695	-0.01127	0.80804	-0.19129	3.17E-05	-0.06209	0.18041	-0.09674	0.03663
0.54118	-0.06987	0.13161	-0.00785	0.8657	-0.03811	0.41124	-0.12667	0.00613
0.97702	-0.07466	0.1071	-0.09639	0.03731	-0.05695	0.21926	-0.10851	0.01899
0.26388	-0.09121	0.04886	-0.04064	0.38092	-0.04281	0.35599	-0.14438	0.00176
0.00274	0.050823	0.27305	0.032471	0.48392	-0.02681	0.56327	-0.01729	0.70932
0.53718	0.013221	0.77567	0.090144	0.05156	0.143172	0.00192	0.139689	0.00248
0.17157	0.015167	0.74374	0.067112	0.1476	0.06875	0.13795	0.093765	0.04284
0.46449	0.015198	0.74323	-0.09	0.05194	-0.10306	0.02593	-0.00204	0.96485
0.86021	0.002513	0.9568	-0.01374	0.7671	-0.02185	0.63759	0.052987	0.25313
0.92581	-0.00286	0.95084	-0.1617	0.00045	-0.1135	0.01412	-0.00455	0.92194
0.82484	-0.02108	0.64954	-0.24152	1.27E-07	-0.13275	0.00406	-0.05813	0.20987
0.76893	0.008008	0.86296	-0.01429	0.75809	-0.06597	0.15463	-0.0458	0.32333
0.03192	-0.00558	0.90435	-0.06211	0.18027	0.085011	0.06643	0.03228	0.4865
5.25E-05	0.038845	0.4023	0.047829	0.30234	0.157055	0.00066	0.225422	8.57E-07
0.00039	-0.05742	0.21553	0.051989	0.26218	0.101831	0.02778	0.025327	0.5851

0.1109	0.116952	0.01143	-0.07197	0.1204	-0.04881	0.29255	0.072094	0.11975
0.40172	-0.02039	0.66032	-0.14393	0.00182	-0.19885	1.50E-05	-0.15335	0.00089
0.01055	-0.01748	0.70638	-0.05741	0.21557	-0.02194	0.63623	-0.04331	0.35032
0.21461	-0.07898	0.08822	-0.06206	0.18064	-0.14694	0.00145	-0.16406	0.00037
0.26469	0.001761	0.96972	-0.05491	0.23624	-0.05215	0.26072	-0.04679	0.31296
0.54922	-0.22816	6.26E-07	0.050199	0.27899	-0.11844	0.01042	-0.26566	5.52E-09
0.58682	-0.04454	0.33683	0.01379	0.76629	0.108245	0.01929	0.005526	0.90519
0.09546	0.022251	0.6315	0.093301	0.04388	0.083063	0.07292	0.039942	0.38913
0.1445	0.069999	0.13092	-0.01573	0.73454	-0.06571	0.15626	-0.045	0.33184
0.76852	-0.0143	0.75786	-0.09943	0.0317	-0.06936	0.13448	-0.07149	0.12287
0.09543	-0.01677	0.71772	0.031407	0.49836	-0.00516	0.91142	-0.04838	0.29685
0.54545	0.03789	0.41398	0.064807	0.16205	0.048694	0.29368	0.019074	0.68098
0.24849	0.038114	0.41123	0.06951	0.13364	0.077262	0.09538	0.033567	0.46929
0.33652	-0.03697	0.42548	0.067969	0.14249	-0.1321	0.00424	-0.1003	0.03022
0.10771	0.010138	0.82703	-0.06615	0.15348	-0.05378	0.24604	-0.03918	0.39831
0.62095	0.0102	0.826	-0.04067	0.38057	-0.08333	0.07201	-0.09106	0.04924
0.20842	-0.03551	0.44393	0.002214	0.96195	-0.0383	0.40896	-0.0947	0.04079
0.10241	-0.11644	0.0118	-0.1835	6.64E-05	-0.14006	0.00242	-0.2229	1.14E-06
0.0003	0.037059	0.4243	-0.03128	0.50008	-0.00429	0.92636	0.032401	0.48487
0.17206	-0.02838	0.54071	0.103904	0.02474	-0.12203	0.00829	-0.06449	0.16414
0.87324	-0.01374	0.76719	0.029067	0.53093	-0.01315	0.77687	-0.0155	0.73833
0.19867	0.032386	0.48507	-0.03933	0.39647	0.002298	0.96049	-0.00691	0.88157
1.75E-06	0.032612	0.48202	0.020201	0.66326	-0.05222	0.26005	0.022397	0.62926
0.00561	0.032693	0.48094	-0.01513	0.74429	-0.0298	0.52061	-0.01702	0.71374
0.44037	-0.12044	0.00918	-0.00485	0.91676	-0.0695	0.13367	-0.17284	0.00017
0.25531	-0.04504	0.33144	-0.26165	9.50E-09	-0.16302	0.0004	-0.18167	7.87E-05
0.74865	0.013393	0.77284	-0.09623	0.03764	-0.07939	0.08657	-0.03261	0.48204
0.23529	-0.07665	0.09803	-0.19547	2.10E-05	-0.11315	0.01442	-0.16016	0.00051
0.21833	0.018868	0.68424	-0.05122	0.26931	-0.0862	0.06271	-0.03213	0.48859
2.88E-13	0.033148	0.47485	-0.07656	0.09843	-0.18831	4.22E-05	-0.05995	0.19596
0.12351	0.073377	0.11329	0.087388	0.05916	0.045403	0.32756	0.068404	0.13995
0.73662	-0.00341	0.94143	0.002226	0.96174	0.024695	0.5945	0.04847	0.2959
5.22E-08	-0.07693	0.09681	-0.04433	0.33915	-0.0974	0.03537	-0.17002	0.00022
0.49242	0.237947	1.96E-07	0.010705	0.81753	0.184731	5.92E-05	0.332718	1.56E-13
0.00051	-0.06915	0.13568	-0.02751	0.55323	-0.18419	6.23E-05	-0.1661	0.00031
0.07805	-0.06269	0.17626	0.152924	0.00092	0.08933	0.05372	0.077277	0.09532
0.90997	-0.25353	2.77E-08	0.006688	0.88539	-0.16468	0.00035	-0.17877	0.0001
0.00203	0.186177	5.17E-05	0.225368	8.63E-07	0.272119	2.26E-09	0.324401	6.63E-13
0.79131	-0.04423	0.34026	0.318194	1.90E-12	0.226293	7.76E-07	0.131575	0.0044
2.02E-07	-0.18446	6.07E-05	0.127619	0.00575	-0.04607	0.32051	-0.11982	0.00955
0.06399	0.120043	0.00942	0.130519	0.00473	0.120318	0.00925	0.265597	5.57E-09
0.00713	0.161829	0.00045	0.217694	2.05E-06	0.171988	0.00019	0.287222	2.55E-10
0.92949	-0.04456	0.33659	-0.08932	0.05374	-0.03131	0.49967	-0.11624	0.01194
0.50011	-0.01025	0.82521	-0.12017	0.00934	-0.10157	0.02818	-0.08139	0.07889
0.51852	-0.09542	0.03927	-0.04163	0.36939	-0.17183	0.00019	-0.24167	1.24E-07



9.96E-07	0.032821	0.47922	-0.00212	0.96349	-0.04546	0.32692	-0.02448	0.59765
0.57518	-0.01268	0.7846	0.117789	0.01085	0.055745	0.22922	0.039044	0.3999
0.03544	0.054509	0.23973	-0.066	0.15447	-0.07151	0.12276	-0.04739	0.30683
0.09347	-0.00041	0.99303	0.024925	0.59108	-0.05215	0.26067	-0.03131	0.49973
6.54E-06	0.058876	0.20408	0.038042	0.41211	-0.0136	0.76944	0.039964	0.38888
0.006	0.031715	0.49416	0.013103	0.77763	-0.01133	0.80705	0.011647	0.8018
0.44104	0.015643	0.736	-0.02545	0.58322	-0.04416	0.34096	-0.02237	0.62972
0.00028	0.069649	0.13286	-0.0315	0.4971	-0.07874	0.08921	0.032438	0.48436
0.79219	0.004862	0.91655	-0.00544	0.9067	-0.07215	0.11946	0.020049	0.66564
0.76682	0.063702	0.16934	-0.04082	0.37878	0.013257	0.77509	0.093858	0.04263
0.61668	-0.04775	0.30311	-0.2124	3.65E-06	-0.12364	0.00747	-0.13225	0.0042
0.30777	-0.02928	0.52786	0.094358	0.04153	-0.05178	0.26413	-0.10102	0.02905
0.91088	-0.00427	0.92661	-0.02997	0.5182	-0.05146	0.26708	-0.06552	0.15745
0.11379	0.031644	0.49513	-0.06698	0.14841	0.002834	0.95129	-0.02057	0.65749
0.00529	0.052119	0.26099	0.043392	0.34946	0.040901	0.37785	0.11479	0.01306
0.28235	0.019917	0.66771	-0.19331	2.60E-05	-0.14848	0.00129	-0.09341	0.04363
0.00025	0.047355	0.30717	-0.22191	1.28E-06	-0.03881	0.40278	-0.15398	0.00084
0.00092	-0.05831	0.20847	-0.20875	5.38E-06	-0.11068	0.01673	-0.19781	1.66E-05
0.20862	0.117372	0.01114	0.151503	0.00102	0.15686	0.00067	0.253515	2.78E-08
6.23E-08	-0.00428	0.92646	-0.1132	0.01438	-0.07642	0.09904	-0.04399	0.34286
0.02974	0.114038	0.01367	0.095085	0.03998	-0.01082	0.81566	0.088984	0.05465
0.3705	-0.11345	0.01417	-0.09318	0.04416	-0.10601	0.02195	-0.24682	6.54E-08
0.67764	-0.03732	0.4211	0.001254	0.97844	-0.18974	3.68E-05	-0.17372	0.00016
1.30E-12	-0.01743	0.70713	-0.02911	0.53033	-0.04702	0.31062	-0.04707	0.31008
0.03028	0.155354	0.00076	-0.12403	0.00729	0.051289	0.26868	0.193523	2.55E-05
0.01239	-0.17586	0.00013	0.143384	0.00189	0.037269	0.42167	-0.08695	0.06044
0.92168	-0.01385	0.76525	-0.04699	0.31092	-0.00119	0.97961	-0.06592	0.15494
0.13567	0.030313	0.51345	-0.02656	0.56693	-0.04294	0.35454	-0.03042	0.51199
0.00194	0.035906	0.43887	0.061991	0.18112	0.155009	0.00078	0.074024	0.11014
0.3754	0.045409	0.3275	-0.0814	0.07888	-0.00562	0.90352	0.005791	0.90068
0.30596	-0.04374	0.34562	-0.01688	0.71594	-0.14191	0.00211	-0.10139	0.02846
0.11564	-0.09989	0.03092	-0.13649	0.00312	-0.25151	3.60E-08	-0.25188	3.43E-08
0.55994	-0.05481	0.23716	-0.09549	0.03914	-0.01107	0.81144	-0.09128	0.04867
0.67541	-0.04022	0.38582	-0.09969	0.03124	-0.00642	0.8899	-0.07428	0.10893
0.0026	0.10216	0.02728	0.025315	0.58529	0.076789	0.09743	0.144387	0.00176
0.01433	-0.11827	0.01053	-0.14135	0.0022	-0.19051	3.41E-05	-0.16786	0.00027
0.39171	-0.00399	0.93142	-0.05938	0.2002	-0.12119	0.00875	0.020796	0.65398
0.81074	0.019471	0.67472	0.021916	0.63665	-0.10317	0.02578	-0.08183	0.07729
1.06E-06	0.040604	0.38132	0.05118	0.26969	0.013603	0.76937	0.067181	0.14719
0.02545	0.044732	0.33477	-0.09007	0.05177	-0.04697	0.3111	-0.01209	0.79437
2.03E-05	0.055025	0.23531	-0.03666	0.42934	-0.10955	0.01788	0.004428	0.92397
0.66896	0.005447	0.90654	-0.08662	0.06145	-0.12201	0.00831	-0.11614	0.01202
0.93852	0.011994	0.79601	-0.06311	0.17334	-0.07214	0.11951	-0.01895	0.68287
0.97094	0.015707	0.73496	-0.06837	0.14013	-0.0703	0.12924	-0.07337	0.11334
0.05376	0.078991	0.08818	0.059702	0.19779	-0.0163	0.7253	0.063162	0.173

0.41383	0.167182	0.00028	-0.05388	0.2452	-0.03421	0.4608	-0.00846	0.85536
0.09725	-0.13561	0.00332	0.23659	2.31E-07	-0.01134	0.80692	-0.0663	0.15256
0.11317	0.127722	0.00571	0.003407	0.94147	-0.01557	0.73725	0.069111	0.13589
0.50809	-0.05289	0.25403	-0.17498	0.00014	-0.15492	0.00078	-0.20649	6.83E-06
0.7604	-0.07129	0.12396	-0.02795	0.54688	-0.12299	0.00779	-0.12561	0.00657
0.50547	0.025969	0.57563	0.009098	0.84453	0.063679	0.16949	0.041499	0.3709
0.43978	-0.02826	0.54238	-0.02989	0.51937	0.006197	0.89374	-0.01626	0.72604
0.00431	0.10742	0.02024	0.023489	0.61265	0.005152	0.91159	0.023683	0.6097
0.47009	0.096855	0.03641	-0.08791	0.05766	0.023447	0.61327	0.092051	0.0468
0.04187	-0.05261	0.25656	-0.04507	0.33115	0.081444	0.07871	-0.02781	0.5489
0.06447	-0.02571	0.5795	0.18153	7.97E-05	0.036992	0.42514	0.075109	0.105
0.37007	-0.01362	0.76912	-0.10975	0.01767	-0.04469	0.3352	-0.08897	0.0547
0.91704	-0.05313	0.25181	-0.08853	0.0559	-0.03523	0.44754	-0.06549	0.15768
0.11882	0.082916	0.07344	0.001791	0.9692	0.079407	0.08651	0.057405	0.21563
0.79603	0.082818	0.07378	0.074506	0.10783	0.171897	0.00019	0.258438	1.46E-08
0.01232	0.091513	0.0481	-0.07211	0.11967	-0.03653	0.43089	0.045578	0.32569
0.58137	-0.01452	0.75428	-0.12579	0.00649	-0.11186	0.01559	-0.15729	0.00065
0.25245	-0.14304	0.00194	-0.01969	0.67126	-0.09171	0.04762	-0.26874	3.62E-09
0.01864	0.029868	0.51967	0.126575	0.00616	-0.06016	0.19439	0.058004	0.21087
0.62347	-0.02794	0.54694	-0.05585	0.22837	-0.07004	0.13069	-0.05443	0.24041
0.12051	0.003684	0.93671	-0.04949	0.28582	-0.07719	0.0957	-0.07855	0.08999
0.59723	0.074163	0.10947	-0.01811	0.69634	-0.12712	0.00594	0.018901	0.68372
0.31434	0.057363	0.21597	0.176368	0.00013	0.136199	0.00319	0.135994	0.00323
6.67E-09	0.026367	0.56979	0.180199	9.01E-05	0.253077	2.94E-08	0.207604	6.08E-06
0.028	-0.16125	0.00047	-0.25066	4.01E-08	-0.23744	2.08E-07	-0.2901	1.66E-10
0.45085	-0.01821	0.69461	-0.11563	0.0124	-0.18606	5.22E-05	-0.12218	0.00821
0.06777	-0.07255	0.11745	0.340301	4.00E-14	0.384787	6.27E-18	0.248084	5.58E-08
0.0016	0.164036	0.00037	0.060573	0.19132	0.142123	0.00208	0.249165	4.86E-08
0.62451	-0.03482	0.4528	0.034616	0.4555	-0.01688	0.71597	-0.01781	0.70108
0.00335	0.142927	0.00196	0.088044	0.05727	0.096494	0.03711	0.180727	8.58E-05
0.01851	-0.19069	3.35E-05	-0.27388	1.76E-09	-0.24148	1.27E-07	-0.36792	2.04E-16
0.85843	0.042172	0.36319	-0.0585	0.20702	-0.0975	0.03518	-0.01655	0.72132
0.00594	-0.04252	0.35928	-0.06687	0.14908	-0.16485	0.00035	-0.15294	0.00091
0.00313	0.065579	0.1571	0.396213	5.27E-19	0.143945	0.00182	0.178993	0.0001
0.07591	-0.01611	0.72846	0.263126	7.79E-09	-7.55E-05	0.9987	0.008028	0.86262
0.11089	0.087066	0.0601	0.29749	5.36E-11	0.203236	9.58E-06	0.315018	3.23E-12
8.19E-08	-0.02456	0.5966	0.003726	0.936	0.123055	0.00776	0.10824	0.0193
0.96072	0.043427	0.34907	-0.04922	0.28848	0.015428	0.73948	0.123338	0.00762
5.60E-05	0.039993	0.38853	0.308892	8.80E-12	0.133802	0.00377	0.264996	6.04E-09
0.62468	0.042259	0.3622	-0.11821	0.01057	-0.14447	0.00175	-0.0608	0.18964
0.03107	0.315765	2.85E-12	0.269729	3.15E-09	0.321324	1.12E-12	0.280793	6.56E-10
0.3247	0.003198	0.94505	-0.07778	0.09319	-0.09276	0.04513	-0.06059	0.19122
0.00021	0.039527	0.39409	0.124327	0.00715	0.130167	0.00484	0.080576	0.08196
2.77E-05	-0.0339	0.46488	0.455583	2.61E-25	0.239327	1.66E-07	0.151348	0.00104
0.02253	0.086859	0.06072	0.235073	2.77E-07	0.051058	0.27084	0.134321	0.00364

4.74E-05	0.021169	0.64818	-0.15644	0.00069	-0.17001	0.00022	-0.07546	0.10339
0.92618	0.008376	0.85674	0.052185	0.26039	0.08139	0.07891	0.084156	0.06922
0.3891	0.054363	0.24099	-0.17235	0.00018	-0.07141	0.12329	0.044008	0.34266
0.62397	0.333012	1.48E-13	0.046095	0.32023	0.003308	0.94317	0.116872	0.01149
0.36341	-0.01605	0.72942	0.016489	0.72229	0.022845	0.62242	0.015288	0.74177
0.00438	0.027277	0.55653	-0.08071	0.08145	-0.10105	0.029	-0.07064	0.12742
1.37E-06	-0.05198	0.26231	0.041631	0.36939	-0.1015	0.02829	-0.09335	0.04377
0.00026	0.036744	0.42825	-0.0095	0.83781	-0.09469	0.04081	-0.03795	0.41319
0.22754	0.069623	0.13301	0.013183	0.77631	0.033238	0.47365	0.078371	0.09071
0.00249	0.073033	0.115	0.165496	0.00033	0.130064	0.00488	0.157881	0.00062
0.0129	-0.08945	0.0534	-0.09188	0.04721	-0.08672	0.06113	-0.16417	0.00037
4.80E-06	0.022964	0.6206	-0.06772	0.14396	-0.05221	0.26013	0.035715	0.44131
0.35825	0.131027	0.00457	0.014289	0.7581	0.076002	0.10092	0.17569	0.00014
0.09227	0.008606	0.85285	0.187178	4.70E-05	0.038787	0.40301	0.035517	0.44385
0.01039	0.045032	0.33153	0.048773	0.29289	-0.04148	0.37113	0.035352	0.44597
0.02089	-0.00904	0.84547	0.182062	7.59E-05	0.019446	0.67511	0.077319	0.09514
0.49685	0.003298	0.94334	-0.10532	0.02283	-0.11216	0.01531	-0.0855	0.06486
0.0013	0.05867	0.20567	-0.00457	0.92148	0.026919	0.56173	0.009545	0.83701
0.79666	0.007001	0.88006	0.09317	0.04418	0.120944	0.00889	0.14429	0.00177
1.01E-05	-0.07647	0.09882	-0.06496	0.16107	-0.23314	3.49E-07	-0.28005	7.31E-10
0.04065	-0.02324	0.61648	-0.04002	0.38821	0.00118	0.97971	-0.02689	0.5621
2.60E-09	0.040096	0.38731	-0.14442	0.00175	-0.1025	0.02676	-0.08287	0.07361
0.01056	0.125496	0.00662	0.14052	0.00234	0.260581	1.10E-08	0.326011	5.03E-13
0.00011	0.153827	0.00085	0.204161	8.71E-06	0.084711	0.0674	0.245624	7.60E-08
0.7369	-0.03118	0.50154	-0.13255	0.00411	-0.16193	0.00044	-0.02823	0.54286
0.66421	-0.00634	0.89132	0.152642	0.00094	-0.04828	0.29784	-0.01749	0.70624
0.51565	-0.08579	0.06397	0.070838	0.12635	-0.15035	0.00112	-0.08043	0.0825
1.88E-12	0.051091	0.27053	0.139965	0.00243	0.031916	0.49143	0.054981	0.23568
0.53944	-0.0312	0.50123	-0.01078	0.81621	-0.06888	0.13718	-0.09331	0.04385
0.10053	0.056102	0.22625	-0.12924	0.00516	0.005403	0.9073	-0.05774	0.21298
0.04186	0.162352	0.00043	0.243799	9.55E-08	0.203095	9.72E-06	0.343148	2.38E-14
1.96E-06	-0.21061	4.42E-06	-0.10165	0.02806	-0.16131	0.00047	-0.30726	1.14E-11
0.43015	-0.0557	0.22963	0.017504	0.70597	-0.07438	0.10841	-0.11871	0.01024
0.86324	-0.00027	0.99529	-0.06629	0.15266	-0.06351	0.17066	-0.01829	0.69335
0.12498	-0.01266	0.78502	0.160088	0.00052	0.124073	0.00727	0.050338	0.27767
0.04621	0.030212	0.51486	0.020938	0.65176	-0.01979	0.66966	0.038547	0.40593
0.0008	0.096644	0.03682	0.197447	1.72E-05	0.246161	7.11E-08	0.22425	9.80E-07
0.45037	0.122055	0.00828	-0.01457	0.75343	0.088532	0.0559	0.198003	1.63E-05
0.16508	-0.05627	0.22483	-0.15224	0.00097	-0.19951	1.40E-05	-0.18278	7.11E-05
0.36267	-0.06265	0.17653	-0.10969	0.01773	-0.06908	0.13606	-0.10536	0.02278
0.00269	-0.04425	0.33997	-0.13301	0.00398	-0.14674	0.00147	-0.17454	0.00015
0.39371	-0.05831	0.20845	0.077447	0.09459	-0.12729	0.00588	-0.06017	0.19427
0.4772	-5.47E-05	0.99906	-0.08666	0.06132	-0.0562	0.22543	-0.01805	0.69724
0.12999	-0.05412	0.24307	0.000857	0.98527	0.114449	0.01333	-0.01511	0.74461
0.30634	-0.05118	0.26968	-0.24811	5.55E-08	-0.23638	2.37E-07	-0.13536	0.00338

0.03046	0.050028	0.28064	-0.12196	0.00833	-0.11228	0.0152	-0.05827	0.20876
0.05641	0.150124	0.00114	-0.00385	0.93385	0.17126	0.0002	0.254142	2.56E-08
0.59813	0.026877	0.56234	-0.03322	0.47392	-0.06707	0.14788	-0.06535	0.15853
0.02252	0.009786	0.83295	0.121491	0.00859	0.112779	0.01475	0.069002	0.13651
0.29348	0.028424	0.54005	0.326918	4.30E-13	0.169474	0.00023	0.100732	0.02952
0.76893	-0.13974	0.00247	-0.1692	0.00024	-0.18025	8.97E-05	-0.23884	1.76E-07
9.84E-10	0.034652	0.45503	-0.01582	0.73305	0.023946	0.60574	0.083237	0.07233
0.56572	0.041037	0.37626	0.106665	0.02114	0.187957	4.36E-05	0.060814	0.18956
0.83032	0.088161	0.05694	0.168406	0.00026	0.16641	0.0003	0.144388	0.00176
0.33321	0.007075	0.87881	0.01178	0.79958	-0.00732	0.8746	-0.0035	0.9399
0.982	0.026976	0.5609	-0.15292	0.00092	-0.16494	0.00034	-0.0835	0.07142
0.65248	0.015055	0.74557	0.21072	4.37E-06	0.20412	8.74E-06	0.167097	0.00029
0.1841	0.47112	3.55E-27	-0.11644	0.0118	-0.0299	0.51922	0.230616	4.70E-07
0.01204	0.060879	0.18909	-0.08417	0.06918	-0.04971	0.28368	-0.02798	0.54635
0.05115	0.03047	0.51128	-0.06178	0.18258	-0.07894	0.08836	-0.02054	0.658
0.00017	0.030225	0.51468	-0.11939	0.00982	-0.1474	0.0014	-0.06354	0.17045
0.91035	0.039424	0.39532	-0.01948	0.67458	-0.03419	0.46113	-0.02002	0.66603
0.09203	0.034703	0.45437	0.007783	0.86678	-0.03589	0.43906	-0.04998	0.28114
0.94783	0.00548	0.90599	-0.08856	0.05581	-0.09932	0.03188	-0.05021	0.27891
0.18485	0.045509	0.32643	0.015379	0.74029	-0.03451	0.45692	-0.04089	0.37795
0.48369	0.054497	0.23983	-0.09646	0.03719	-0.04702	0.3106	-0.03344	0.47098
0.00719	0.025414	0.58382	-0.00297	0.94902	-0.03381	0.46611	-0.00757	0.87042
0.61648	-0.02366	0.60998	0.007848	0.86569	-0.03814	0.41088	-0.05452	0.23967
0.00013	0.095816	0.03847	-0.01633	0.72489	-0.06813	0.14154	0.023472	0.61289
0.20547	0.311857	5.43E-12	0.080217	0.08334	0.006906	0.88167	0.07621	0.09999
0.05261	-0.01632	0.72501	-0.08527	0.06559	-0.08166	0.07793	-0.06463	0.16321
3.78E-05	0.101169	0.02881	-0.08214	0.0762	-0.03226	0.48677	-0.00802	0.8627
0.18164	0.05368	0.24696	-0.0411	0.37555	-0.00225	0.96134	-0.01454	0.75393
0.21163	0.022831	0.62264	-0.05258	0.25675	-0.05009	0.27999	-0.03975	0.39138
0.02983	0.011809	0.7991	-0.07746	0.09452	-0.0619	0.18179	-0.05507	0.23488
0.51766	0.054774	0.23745	-0.12508	0.0068	-0.05657	0.2224	-0.03459	0.45578
0.70102	0.046444	0.31658	-0.09667	0.03676	-0.09571	0.03869	-0.05273	0.25545
0.00653	0.04579	0.32345	0.025023	0.58962	0.027062	0.55965	0.047661	0.30405
0.16422	0.012821	0.78229	0.031811	0.49285	-0.08848	0.05605	-0.0254	0.58402
0.00843	0.193183	2.63E-05	0.11515	0.01277	0.103007	0.02602	0.256213	1.95E-08
0.85776	-0.00032	0.99446	0.154338	0.00082	0.028399	0.54042	0.100156	0.03046
0.94966	0.065926	0.15491	0.034417	0.4581	0.014134	0.76064	0.099767	0.03112
0.05526	-0.1039	0.02475	-0.30379	1.99E-11	-0.2723	2.20E-09	-0.34638	1.31E-14
0.5581	-0.08647	0.06189	-0.14651	0.0015	-0.19807	1.62E-05	-0.25217	3.31E-08
0.38507	0.300047	3.60E-11	-0.05587	0.2282	0.152612	0.00094	0.35273	3.96E-15
0.00036	-0.17675	0.00012	-0.0127	0.78423	-0.15532	0.00076	-0.30764	1.08E-11
0.00763	-0.00307	0.94718	0.136768	0.00306	0.037779	0.41535	-0.03282	0.47924
0.85518	0.062342	0.17865	0.121906	0.00836	0.152116	0.00097	0.185791	5.36E-05
1.63E-12	0.101308	0.02859	0.033618	0.4686	0.156184	0.00071	0.21486	2.79E-06
0.25729	-0.05684	0.22017	-0.00414	0.92884	-0.06496	0.16107	-0.07947	0.08626

0.1933	0.232471	3.77E-07	0.0192	0.67899	0.252266	3.27E-08	0.311145	6.10E-12
0.00955	0.131025	0.00457	-0.03069	0.50818	0.063849	0.16836	0.138247	0.00275
0.04599	0.10902	0.01844	-0.01382	0.76577	-0.05808	0.21024	0.020049	0.66564
1.61E-08	0.057048	0.2185	0.009344	0.8404	0.127915	0.00564	0.154211	0.00083
0.02186	0.025734	0.57908	0.098946	0.03254	0.032339	0.48571	0.042179	0.36311
0.6574	0.092984	0.0446	0.113923	0.01377	0.280058	7.29E-10	0.271439	2.49E-09
1.92E-06	0.199922	1.34E-05	-0.06592	0.15497	-0.07413	0.10964	0.084593	0.06778
3.09E-05	-0.1066	0.02122	0.076467	0.09885	0.166302	0.00031	0.0406	0.38137
3.99E-08	-0.02254	0.62713	0.172102	0.00019	0.202723	1.01E-05	0.188039	4.33E-05
0.13546	0.278495	9.14E-10	0.174896	0.00015	0.084914	0.06674	0.259329	1.30E-08
0.05815	0.228512	6.00E-07	-0.038	0.41264	0.058455	0.20734	0.104324	0.02416
0.54207	0.019869	0.66846	0.004981	0.91452	0.017497	0.70607	-0.03659	0.43024
0.02993	-0.10674	0.02105	0.098349	0.0336	0.000328	0.99436	-0.11991	0.0095
0.01831	0.161644	0.00045	0.11534	0.01263	0.228117	6.28E-07	0.315955	2.76E-12
0.62961	0.10812	0.01944	-0.0843	0.06873	0.026817	0.56322	0.055738	0.22928
0.15183	0.075503	0.10319	-0.04366	0.34647	-0.05562	0.23025	0.032029	0.48989
0.29317	0.042839	0.35565	0.081826	0.07731	0.126047	0.00638	0.08746	0.05895
0.18105	0.124616	0.00701	0.009961	0.83001	0.060589	0.1912	0.12102	0.00885
0.41211	0.121132	0.00878	-0.27564	1.37E-09	-0.23608	2.45E-07	-0.17918	9.89E-05
0.97543	-0.01131	0.80745	-0.01363	0.76895	0.008595	0.85303	0.001937	0.9667
0.34096	0.061403	0.18529	0.295225	7.60E-11	0.140493	0.00234	0.162696	0.00042
0.91836	0.059353	0.20043	-0.15625	0.0007	-0.17307	0.00017	-0.07012	0.13028
1.88E-07	0.188046	4.33E-05	0.028601	0.53754	-0.04162	0.36956	0.084649	0.0676
0.00371	-0.05993	0.19608	-0.11677	0.01156	-0.11937	0.00982	-0.17643	0.00013
0.70206	0.049876	0.2821	-0.12131	0.00869	-0.06756	0.14491	0.036333	0.43344
0.00033	0.060744	0.19007	-0.01292	0.7806	-0.07347	0.11284	0.001326	0.97721
0.22831	-0.03652	0.43105	-0.13984	0.00246	-0.05094	0.27199	-0.1091	0.01835
8.03E-13	0.129168	0.00518	0.202812	1.00E-05	0.139079	0.00259	0.330692	2.23E-13
9.99E-09	0.052199	0.26026	0.0498	0.28284	0.078522	0.09009	0.124803	0.00693
0.03882	0.039847	0.39027	0.246923	6.46E-08	0.048463	0.29598	0.026443	0.56867
7.98E-05	0.093351	0.04376	0.036694	0.42888	0.030643	0.50889	0.11795	0.01074
0.0013	0.192155	2.91E-05	0.068672	0.1384	0.087656	0.05838	0.188261	4.24E-05
0.25119	0.156239	0.0007	0.105723	0.02231	0.220995	1.42E-06	0.265786	5.43E-09
0.00021	-0.13368	0.0038	-0.20104	1.20E-05	-0.20375	9.08E-06	-0.21038	4.53E-06
0.01783	0.029201	0.52903	-0.02117	0.64818	-0.04673	0.31361	0.030996	0.50401
3.83E-07	0.060897	0.18895	-0.05545	0.2317	-0.09257	0.04558	-0.00596	0.89772
1.11E-07	-0.14471	0.00172	-0.26096	1.04E-08	-0.26582	5.40E-09	-0.33225	1.69E-13
3.49E-06	0.087965	0.05749	-0.11211	0.01535	-0.05657	0.22236	0.001894	0.96744
0.0144	-0.008	0.86316	-0.03212	0.48863	-0.00467	0.91991	0.018756	0.68601
0.82917	-0.00202	0.96535	-0.11908	0.01001	0.021163	0.64827	-0.0301	0.51648
0.10717	0.105809	0.0222	-0.01266	0.78491	0.030179	0.51532	0.152216	0.00097
0.02606	0.095181	0.03978	0.258288	1.49E-08	0.247309	6.15E-08	0.347394	1.08E-14
0.0015	-0.01593	0.73133	0.016545	0.72138	-0.06801	0.14224	-0.04722	0.30853
0.74547	0.050472	0.27639	-0.00816	0.86044	-0.02423	0.60147	0.102007	0.02751
0.46191	0.068731	0.13806	0.196945	1.81E-05	0.003291	0.94345	0.108362	0.01916

1.19E-15	0.096026	0.03805	-0.08034	0.08285	-0.08083	0.08099	0.0402	0.38608
1.58E-09	0.102504	0.02676	-0.18039	8.86E-05	-0.06507	0.16033	0.043252	0.35102
0.09546	-0.066	0.15444	0.318997	1.66E-12	0.185244	5.64E-05	0.086481	0.06185
0.71488	-0.06134	0.18573	-0.30597	1.41E-11	-0.18661	4.96E-05	-0.25875	1.40E-08
0.00273	-0.16592	0.00032	0.073164	0.11435	-0.0298	0.52067	-0.08936	0.05363
0.03932	-0.06644	0.1517	-0.24937	4.73E-08	-0.0308	0.50672	-0.08854	0.05589
0.2123	-0.0129	0.78098	-0.00762	0.8695	0.022593	0.62626	0.07352	0.11259
0.23057	0.203999	8.85E-06	0.139944	0.00244	0.170512	0.00021	0.286571	2.81E-10
0.00028	0.056692	0.2214	0.03142	0.49819	0.003519	0.93955	0.05301	0.25292
0.10559	-0.12902	0.00523	-0.28892	1.98E-10	-0.23352	3.33E-07	-0.2828	4.90E-10
0.00182	-0.06395	0.16765	0.273906	1.76E-09	-0.09147	0.04821	-0.01559	0.73682
0.01812	0.078949	0.08834	0.346297	1.33E-14	0.199399	1.42E-05	0.265308	5.79E-09
0.17158	-0.02012	0.66446	-0.18825	4.24E-05	-0.1128	0.01473	-0.09412	0.04205
0.27939	-0.02068	0.65583	0.202455	1.04E-05	0.188512	4.14E-05	0.129096	0.00521
0.50194	-0.14362	0.00186	0.147946	0.00134	-0.01047	0.8215	-0.09435	0.04155
0.00388	-0.0057	0.90228	-0.0532	0.25123	0.05856	0.20652	-0.01526	0.74222
0.57973	-0.15402	0.00084	-0.25712	1.73E-08	-0.30687	1.22E-11	-0.26906	3.46E-09
0.22667	-0.1271	0.00595	0.006901	0.88177	0.080003	0.08416	-0.09143	0.04831
6.20E-11	-0.03912	0.39898	-0.00464	0.92027	0.024739	0.59386	-0.08463	0.06765
0.16383	-0.02311	0.61839	0.008364	0.85695	0.047071	0.31008	0.091038	0.04928
0.74354	0.058622	0.20604	0.17552	0.00014	-0.00369	0.93667	0.055097	0.23469
0.57496	-0.12696	0.00601	-0.16432	0.00036	-0.17735	0.00012	-0.24063	1.41E-07
0.01534	-0.04196	0.36564	-0.14967	0.00118	-0.14825	0.00131	-0.17082	0.00021
0.53194	-0.02339	0.61421	-0.08851	0.05597	-0.04392	0.34358	-0.11908	0.01001
0.27309	-0.00389	0.93318	-0.02784	0.54844	-0.03807	0.4118	-0.07021	0.12976
0.00564	0.104586	0.0238	0.082167	0.07608	0.174232	0.00015	0.184288	6.17E-05
0.00792	-0.142	0.0021	0.159665	0.00053	0.071248	0.12417	0.034898	0.45184
0.04862	-0.08128	0.07932	0.072284	0.11878	-0.12953	0.00506	-0.2194	1.69E-06
0.00143	0.100782	0.02943	-0.05569	0.22964	0.001698	0.97081	0.068388	0.14004
3.48E-10	-0.03749	0.41892	0.068345	0.14029	0.116421	0.01181	0.044265	0.33984
8.42E-05	0.079613	0.08569	-0.01322	0.77566	-0.00309	0.94699	0.051166	0.26982
0.42541	-0.03739	0.42022	-0.12862	0.00538	-0.09903	0.03238	-0.1949	2.22E-05
0.82441	0.051727	0.2646	0.03773	0.41595	0.030573	0.50986	-0.01444	0.75567
0.00023	-0.02648	0.56816	-0.0882	0.05684	-0.07924	0.08716	-0.12476	0.00695
1.14E-05	-0.15534	0.00076	-0.06062	0.19099	-0.18123	8.20E-05	-0.32057	1.27E-12
0.00643	-0.11641	0.01182	-0.15339	0.00088	-0.15693	0.00067	-0.26035	1.13E-08
3.27E-09	0.054632	0.23866	-0.04075	0.3796	-0.11505	0.01285	-0.00171	0.97059
0.48417	0.07218	0.11931	-0.05129	0.26865	0.083052	0.07296	0.15365	0.00086
0.79247	-0.07761	0.0939	-0.04307	0.35309	-0.29658	6.17E-11	-0.29524	7.58E-11
0.00564	0.077741	0.09334	-0.17738	0.00012	-0.09008	0.05173	0.057766	0.21275
0.02574	0.101914	0.02765	0.094323	0.04161	0.146145	0.00154	0.225923	8.09E-07
7.96E-09	0.153062	0.00091	0.139108	0.00259	0.129022	0.00523	0.252476	3.18E-08
0.00366	0.000194	0.99667	0.172369	0.00018	0.060454	0.19219	0.090375	0.05096
0.96435	0.157301	0.00065	0.099638	0.03134	0.128423	0.00545	0.231363	4.30E-07
0.14448	-0.01414	0.76063	-0.02277	0.62354	-0.05557	0.23066	-0.10335	0.02552

0.45908	0.156657	0.00068	0.175626	0.00014	0.158416	0.00059	0.242504	1.12E-07
0.83885	-0.00647	0.88914	-0.3036	2.06E-11	-0.22361	1.05E-06	-0.16662	0.0003
0.00638	-0.184	6.34E-05	-0.33053	2.29E-13	-0.18894	3.97E-05	-0.29314	1.05E-10
0.80676	-0.0969	0.03631	0.231383	4.29E-07	0.023394	0.61408	-0.03293	0.4777
1.89E-12	0.014962	0.74709	0.240811	1.38E-07	0.005708	0.90209	0.021295	0.64623
0.03178	0.188905	3.98E-05	0.15994	0.00052	0.101888	0.02769	0.12979	0.00497
1.66E-09	0.013851	0.76529	0.03884	0.40236	-0.03078	0.50705	0.015686	0.73529
0.28242	0.29493	7.95E-11	0.074753	0.10667	0.158938	0.00057	0.233613	3.30E-07
0.03922	0.023751	0.60868	0.06315	0.17308	0.086881	0.06065	0.082036	0.07655
0.11961	-0.07577	0.10196	0.294362	8.67E-11	-0.01795	0.69877	-0.04224	0.36245
0.54739	-0.16374	0.00038	0.194505	2.31E-05	0.024431	0.59846	-0.02717	0.55815
3.13E-05	0.0358	0.44022	0.048042	0.30019	0.020111	0.66466	0.022764	0.62365
0.25654	-0.16212	0.00044	-0.11052	0.01688	-0.15978	0.00053	-0.33797	6.09E-14
0.2792	-0.01808	0.69677	-0.08711	0.05996	-0.15275	0.00093	-0.24668	6.65E-08
0.01787	0.029991	0.51794	0.02846	0.53954	0.03486	0.45233	0.059178	0.20176
1.11E-09	-0.10682	0.02096	-0.06562	0.15681	-0.12744	0.00582	-0.19262	2.78E-05
0.98571	-0.02722	0.55738	-0.07972	0.08529	-0.00272	0.95328	-0.07219	0.11926
0.18243	-0.08915	0.05421	0.159707	0.00053	0.050463	0.27647	-0.0749	0.106
0.93257	0.112306	0.01518	0.267987	4.01E-09	0.123745	0.00742	0.215686	2.55E-06
0.22211	0.063794	0.16873	-0.04195	0.36575	-0.04922	0.28848	-0.01861	0.68827
0.0011	0.114184	0.01355	0.220222	1.54E-06	0.30123	2.99E-11	0.291449	1.35E-10
0.22367	0.040447	0.38317	-0.17317	0.00017	0.086852	0.06074	0.059085	0.20248
7.54E-07	-0.03617	0.43554	-0.18132	8.13E-05	-0.22322	1.10E-06	-0.23361	3.30E-07
0.12633	0.088448	0.05613	0.015731	0.73456	-0.04172	0.36831	0.002314	0.96023
0.55375	0.17076	0.00021	0.180385	8.86E-05	0.142701	0.00199	0.304493	1.78E-11
9.34E-06	0.152212	0.00097	-0.0335	0.4702	0.115504	0.0125	0.275922	1.32E-09
0.01088	0.267035	4.57E-09	0.138931	0.00262	0.178251	0.00011	0.305046	1.63E-11
0.00026	-0.05405	0.24372	0.071752	0.12152	0.023623	0.61062	-0.0415	0.37084
0.06663	0.241381	1.29E-07	-0.05555	0.2309	0.193224	2.62E-05	0.312429	4.94E-12
0.1294	0.240752	1.39E-07	0.079257	0.08711	0.224	1.01E-06	0.324385	6.65E-13
0.09909	0.069623	0.133	0.097224	0.03569	0.113729	0.01393	0.238043	1.94E-07
0.9637	0.011717	0.80063	0.043681	0.34626	-0.04534	0.32823	-0.02021	0.6631
0.80889	-0.01337	0.7732	-0.14148	0.00218	-0.19557	2.08E-05	-0.14276	0.00198
7.45E-06	-0.03097	0.50431	-0.17774	0.00011	-0.14922	0.00122	-0.1836	6.58E-05
1.38E-09	0.505709	1.09E-31	0.010638	0.81865	-0.05979	0.19717	0.080028	0.08407
0.0751	-0.0066	0.88683	-0.12924	0.00515	-0.09741	0.03535	-0.09454	0.04115
0.03786	-0.09749	0.0352	-0.25837	1.47E-08	-0.23108	4.45E-07	-0.28602	3.05E-10
6.24E-06	0.173416	0.00017	-0.02805	0.54545	0.086088	0.06305	0.22149	1.34E-06
0.00436	0.204114	8.75E-06	0.168078	0.00026	0.20248	1.04E-05	0.393686	9.19E-19
0.01374	-0.05453	0.23953	-0.17432	0.00015	-0.18121	8.21E-05	-0.15033	0.00112
0.37185	0.061691	0.18324	-0.14004	0.00242	-0.11381	0.01386	-0.07144	0.12315
7.78E-12	0.06375	0.16902	0.030926	0.50497	0.013612	0.76923	0.028479	0.53928
0.12578	0.004425	0.92402	-0.00839	0.85657	-0.05524	0.23346	-0.05138	0.26784
1.48E-06	0.072937	0.11547	-0.01572	0.73477	-0.05429	0.24163	0.012309	0.79078
0.54761	-0.07543	0.10355	-0.19532	2.13E-05	-0.06738	0.14601	-0.07283	0.11601

0.137	-0.03353	0.46972	-0.23954	1.61E-07	-0.14156	0.00217	-0.11876	0.01021
0.02667	-0.01679	0.71745	0.180222	8.99E-05	0.273097	1.97E-09	0.166463	0.0003
0.42788	-0.05824	0.20905	-0.22347	1.07E-06	-0.18526	5.63E-05	-0.20536	7.69E-06
0.0796	-0.20907	5.20E-06	-0.14179	0.00213	-0.22023	1.54E-06	-0.39344	9.70E-19
0.02255	0.095646	0.03882	0.09154	0.04804	0.20986	4.79E-06	0.284149	4.02E-10
0.16268	-0.03828	0.40914	-0.15182	0.001	-0.11589	0.01221	-0.09974	0.03117
0.7308	-0.06401	0.16728	-0.16262	0.00042	-0.12994	0.00492	-0.17037	0.00022
0.02683	0.01988	0.66829	0.038228	0.40982	0.04898	0.29085	0.00961	0.83591
0.00349	-0.16729	0.00028	-0.18474	5.91E-05	-0.29871	4.43E-11	-0.37948	1.92E-17
0.12775	-0.09598	0.03814	-0.152	0.00098	-0.19732	1.75E-05	-0.25873	1.40E-08
0.13859	0.019379	0.67616	0.064431	0.1645	0.019541	0.67362	-0.00803	0.86267
0.00815	-0.00737	0.87375	0.015903	0.73178	0.031778	0.49331	0.025876	0.577
0.01121	-0.04112	0.37531	-0.09393	0.04246	-0.19727	1.76E-05	-0.21974	1.63E-06
0.00053	-0.04532	0.32848	-0.05982	0.19691	-0.20091	1.22E-05	-0.12736	0.00585
0.11741	-0.00945	0.83867	0.184464	6.07E-05	0.048233	0.29827	0.080137	0.08365
0.02712	0.208093	5.77E-06	-0.02197	0.63583	0.180082	9.11E-05	0.281385	6.02E-10
0.09533	0.24563	7.60E-08	0.031323	0.49952	0.093638	0.04312	0.177535	0.00011
0.04623	-0.02247	0.62812	-0.07254	0.11745	0.024231	0.60145	-0.01048	0.82137
0.02934	0.027085	0.55932	-0.06496	0.16105	0.055302	0.23295	0.024532	0.59694
0.00326	0.007053	0.87918	-0.07444	0.10814	0.023728	0.60902	-0.03395	0.46416
0.71212	-0.0204	0.6602	-0.02048	0.65896	0.099686	0.03125	0.03099	0.5041
0.32224	-0.0309	0.5053	-0.032	0.49027	0.051756	0.26433	-0.00695	0.88101
1.74E-05	0.006008	0.89696	-0.14013	0.0024	-0.00237	0.95928	-0.0511	0.27046
0.23417	-0.00449	0.92291	-0.00513	0.91189	0.046823	0.31264	0.023357	0.61464
0.02076	0.015253	0.74234	-0.04352	0.34802	0.108186	0.01936	0.085255	0.06565
3.31E-06	0.151252	0.00104	0.167344	0.00028	0.058047	0.21053	0.201395	1.16E-05
0.00196	0.03784	0.4146	0.340531	3.83E-14	0.273226	1.93E-09	0.293362	1.01E-10
0.71703	0.010977	0.81298	-0.01409	0.7614	0.09369	0.043	0.043836	0.34455
5.30E-06	0.033571	0.46923	0.059626	0.19837	-0.04564	0.32501	0.052126	0.26093
2.22E-06	-0.11417	0.01356	-0.13853	0.0027	-0.11299	0.01457	-0.18344	6.68E-05
0.9023	-0.02964	0.52289	-0.01387	0.76495	0.025714	0.57938	-0.06118	0.18693
0.14384	0.032956	0.47742	-0.07241	0.11814	0.019226	0.67858	-0.03851	0.40641
0.58787	-0.02987	0.5196	0.013181	0.77633	0.03637	0.43297	-0.0061	0.89532
0.6635	-0.0215	0.64298	0.120847	0.00895	0.042024	0.36488	-0.00566	0.90292
0.00011	-0.02343	0.61354	0.000205	0.99648	-0.02056	0.65772	0.036159	0.43565
6.35E-07	-0.00231	0.96021	0.127575	0.00577	0.188257	4.24E-05	0.142819	0.00198
0.00024	0.044987	0.33201	0.292442	1.16E-10	0.116794	0.01154	0.145545	0.00161
0.84105	-0.01728	0.70958	-0.01225	0.79177	-0.11512	0.0128	-0.12193	0.00835
0.0041	0.120347	0.00924	0.022093	0.63392	0.056484	0.2231	0.081138	0.07984
0.61094	-0.03354	0.4696	-0.04645	0.3165	-0.08938	0.05359	-0.09406	0.04219
0.06842	0.001675	0.97121	-0.04048	0.38283	-0.03671	0.42864	-0.08108	0.08006
0.03725	0.051009	0.2713	-0.07809	0.09189	-0.06116	0.18707	-0.01292	0.78065
7.95E-09	0.04491	0.33284	-0.18014	9.06E-05	-0.13754	0.0029	-0.05782	0.21235
0.62232	-0.01133	0.80716	-0.01389	0.76469	-0.14315	0.00193	-0.18738	4.61E-05
0.03119	-0.14111	0.00224	-0.01482	0.74938	-0.13822	0.00276	-0.26357	7.34E-09



0.42699	0.030737	0.50758	0.074893	0.10601	0.022231	0.63181	0.02182	0.63812
7.96E-06	0.022047	0.63463	-0.14482	0.0017	-0.17098	0.00021	-0.08561	0.06454
0.00201	0.16445	0.00036	0.112279	0.0152	0.259576	1.25E-08	0.354859	2.64E-15
0.4173	0.048053	0.30009	-0.05177	0.26418	-0.05738	0.21584	0.001791	0.96922
0.3462	0.018113	0.69624	-0.06193	0.18156	-0.07122	0.1243	-0.05002	0.28076
5.94E-12	0.179705	9.43E-05	0.066969	0.14847	0.027524	0.55297	0.115753	0.01231
0.00945	0.153117	0.0009	0.041891	0.36639	0.004462	0.92339	0.075627	0.10262
0.42336	0.061487	0.18469	0.114207	0.01353	0.061498	0.18461	0.098841	0.03272
0.00015	-0.19209	2.93E-05	0.126377	0.00624	-0.0009	0.98449	-0.10299	0.02604
2.30E-05	-0.18682	4.86E-05	-0.11208	0.01538	-0.1251	0.00679	-0.23349	3.35E-07
0.17197	0.02696	0.56114	-0.03703	0.42467	-0.02715	0.55838	-0.02734	0.55568
0.44285	0.063997	0.16737	0.136648	0.00309	0.144264	0.00177	0.081294	0.07926
0.95905	-0.02533	0.58501	-0.0041	0.92958	-0.04914	0.28926	-0.06616	0.15342
7.78E-08	0.051616	0.26563	-0.01723	0.7103	0.062332	0.17872	0.095719	0.03867
0.00044	0.179945	9.22E-05	-0.04929	0.28782	0.04123	0.37401	0.156357	0.0007
0.09753	0.045837	0.32295	-0.02358	0.61121	0.016814	0.71705	-0.01203	0.79534
0.06001	0.009547	0.83698	-0.06544	0.15798	-0.01933	0.67691	-0.04621	0.31906
0.00031	-0.03218	0.4878	0.218648	1.84E-06	0.311324	5.92E-12	0.167602	0.00027
0.06554	0.085988	0.06336	0.004177	0.92827	0.01436	0.75694	0.123276	0.00765
6.03E-07	-0.07644	0.09897	0.056249	0.22504	-0.11691	0.01146	-0.10609	0.02185
0.03175	0.000843	0.9855	-0.07128	0.12397	-0.03368	0.46783	-0.00512	0.91215
0.13793	0.125653	0.00655	0.171954	0.00019	0.326576	4.56E-13	0.34381	2.10E-14
0.93119	0.02758	0.55216	-0.0658	0.15571	-0.14383	0.00183	-0.04128	0.37339
0.00114	0.15619	0.00071	0.004774	0.91806	-0.02432	0.60009	0.061803	0.18245
0.00078	0.040787	0.37917	0.04012	0.38703	-0.01617	0.72738	0.058246	0.20897
6.68E-12	0.178024	0.00011	0.17005	0.00022	0.270023	3.03E-09	0.371432	1.01E-16
0.58593	0.093839	0.04267	0.026304	0.5707	0.004386	0.92469	0.132095	0.00424
9.98E-08	-0.06462	0.16325	-0.11349	0.01413	-0.11581	0.01226	-0.15514	0.00077
0.78789	0.055902	0.22791	-0.08801	0.05738	-0.01723	0.71029	0.009215	0.84257
5.92E-11	0.017237	0.71025	-0.03664	0.42962	-0.05398	0.24429	-0.03407	0.46269
0.00121	0.060064	0.19508	-0.05529	0.23303	-0.11846	0.0104	0.015081	0.74514
0.00047	0.100678	0.0296	0.115122	0.01279	0.121203	0.00874	0.133657	0.00381
0.03334	0.173865	0.00016	0.170985	0.00021	0.164657	0.00035	0.342382	2.73E-14
0.05169	0.001308	0.9775	-0.08514	0.066	-0.10091	0.02923	-0.11313	0.01445
2.93E-05	-0.0767	0.09782	0.099731	0.03118	0.038517	0.4063	-0.094	0.04232
0.96478	-0.09293	0.04473	0.046012	0.32111	0.034712	0.45426	-0.01007	0.82822
2.98E-10	-0.03365	0.46824	-0.04111	0.37535	-0.01896	0.68271	-0.07864	0.08962
0.00349	0.462479	3.98E-26	0.002057	0.96464	0.098662	0.03304	0.184321	6.15E-05
0.00273	0.03222	0.4873	0.11409	0.01363	-0.02299	0.62028	0.056073	0.22649
0.07599	-0.07208	0.11984	-0.08719	0.05974	-0.22134	1.36E-06	-0.21682	2.25E-06
0.05474	0.101276	0.02864	0.027945	0.54692	0.106948	0.0208	0.189373	3.81E-05
0.02962	-0.00802	0.86284	-0.07835	0.09079	-0.01851	0.68985	-0.05801	0.21081
0.63829	-0.11326	0.01433	-0.0655	0.15759	-0.01565	0.73581	-0.1057	0.02235
3.90E-08	0.101623	0.0281	-0.01867	0.68741	0.071881	0.12085	0.145779	0.00158
0.41955	0.004023	0.9309	-0.05828	0.20873	-0.0749	0.10599	-0.01961	0.6726

0.1933	0.014294	0.75802	-0.09522	0.03969	-0.09026	0.05126	-0.02893	0.53291
0.33529	-0.04383	0.34466	-0.01794	0.69904	-0.15061	0.0011	-0.17274	0.00018
0.0005	0.089925	0.05213	0.225975	8.05E-07	0.174179	0.00016	0.266204	5.12E-09
0.07559	0.06214	0.18007	-0.07143	0.1232	-0.08421	0.06906	-0.01766	0.70348
0.00179	0.008291	0.85819	-0.10191	0.02766	-0.10695	0.0208	-0.07529	0.10418
0.00214	-0.18547	5.52E-05	-0.0666	0.1507	-0.13278	0.00405	-0.20232	1.05E-05
1.16E-11	0.037581	0.4178	-0.1028	0.02632	-0.189	3.95E-05	-0.18206	7.59E-05
0.23908	0.02987	0.51964	-0.08874	0.05532	-0.02814	0.54418	-0.0539	0.245
0.23861	0.143615	0.00186	-0.06127	0.18627	0.029374	0.5266	0.165022	0.00034
5.39E-06	0.246017	7.24E-08	0.120278	0.00928	0.161807	0.00045	0.247735	5.83E-08
0.80574	-0.06881	0.13758	-0.27625	1.26E-09	-0.38369	7.91E-18	-0.29871	4.43E-11
0.00405	-0.05592	0.22778	0.015865	0.73238	-0.0561	0.22626	-0.09618	0.03773
3.83E-07	0.083544	0.07128	0.090555	0.0505	0.020956	0.65149	0.072911	0.1156
0.329	0.059996	0.19559	-0.05219	0.26034	-0.02227	0.63122	0.050676	0.27444
3.43E-06	-0.14857	0.00128	-0.1103	0.0171	-0.25568	2.10E-08	-0.21413	3.02E-06
0.0186	-0.05987	0.19657	-0.04186	0.36671	-0.09072	0.05008	-0.11849	0.01038
0.41394	0.195997	1.99E-05	0.01864	0.68785	-0.06483	0.16188	0.035176	0.44823
0.18605	0.104403	0.02405	0.100827	0.02936	0.051268	0.26887	0.092015	0.04688
0.02519	-0.16483	0.00035	-0.22699	7.16E-07	-0.23593	2.50E-07	-0.33117	2.05E-13
0.91366	0.033376	0.47182	0.017661	0.70345	-0.02265	0.62539	0.056675	0.22154
0.21363	0.026885	0.56223	0.130807	0.00464	0.057925	0.2115	0.127711	0.00571
0.0009	0.022197	0.63232	0.259356	1.29E-08	0.051174	0.26975	0.050715	0.27407
0.98778	0.031985	0.49049	-0.13254	0.00412	-0.06092	0.18878	0.030448	0.51158
0.36964	0.045722	0.32417	-0.04162	0.36945	-0.05221	0.2602	0.006487	0.88881
0.10723	0.059013	0.20303	-0.00093	0.98402	-0.01495	0.74728	0.018908	0.68361
0.87124	-0.00534	0.90834	-0.09626	0.03758	-0.09074	0.05003	-0.09767	0.03485
0.76934	-0.03966	0.3925	-0.08031	0.08299	-0.06581	0.15561	-0.11726	0.01122
0.99809	-0.01327	0.77486	-0.07168	0.12188	-0.06003	0.19537	-0.05316	0.25158
0.44377	-0.05018	0.27913	0.028421	0.5401	-0.15742	0.00064	-0.14025	0.00238
0.32566	0.093867	0.04261	0.102187	0.02723	0.274729	1.56E-09	0.293003	1.07E-10
0.36567	-0.09144	0.04829	-0.0915	0.04814	-0.15238	0.00096	-0.23442	2.99E-07
0.00097	-0.12804	0.00559	0.095551	0.03901	-0.17055	0.00021	-0.17781	0.00011
0.00502	0.095798	0.03851	0.047051	0.31029	0.079312	0.08689	0.160229	0.00051
0.60243	0.112949	0.0146	0.161523	0.00046	0.187752	4.45E-05	0.315505	2.98E-12
0.73259	0.125552	0.00659	0.070773	0.1267	0.179851	9.30E-05	0.150115	0.00114
0.00029	0.012336	0.79033	-0.14074	0.0023	-0.0471	0.30975	-0.03508	0.44948
2.11E-08	0.03818	0.41041	0.101886	0.02769	0.106324	0.02156	0.076369	0.09928
0.33974	-0.02013	0.66437	-0.39262	1.16E-18	-0.24382	9.52E-08	-0.24618	7.09E-08
0.00737	-0.07624	0.09986	-0.11407	0.01364	-0.07325	0.11392	-0.0372	0.4225
0.03443	0.143497	0.00188	-0.00083	0.98567	-0.07097	0.12562	0.104771	0.02356
0.06543	0.027325	0.55585	-0.07467	0.10705	-0.11223	0.01525	-0.07678	0.09748
0.16379	0.0956	0.03891	0.092775	0.04509	0.01724	0.71019	0.050889	0.27243
0.75931	0.030604	0.50942	-0.10775	0.01986	-0.07232	0.11862	-0.01625	0.7262
0.07037	0.058817	0.20454	0.015831	0.73294	0.007002	0.88005	0.029207	0.52895
0.04998	-0.1088	0.01868	0.056398	0.22381	0.124819	0.00692	-0.05432	0.24138

0.20028	-0.08535	0.06534	0.093984	0.04235	-0.05197	0.26234	-0.10421	0.02432
9.63E-10	0.033376	0.47182	0.298497	4.58E-11	0.226845	7.28E-07	0.234295	3.04E-07
4.82E-06	-0.05993	0.19606	-0.16247	0.00042	-0.13759	0.00289	-0.19894	1.48E-05
0.80452	0.010621	0.81893	-0.02111	0.64904	-0.12694	0.00602	-0.0478	0.30262
0.09156	0.076471	0.09883	0.023078	0.61887	-0.01691	0.71554	0.082076	0.07641
0.2973	0.041075	0.37581	-0.0166	0.72055	-0.08132	0.07915	-0.02089	0.65251
0.06256	0.012771	0.78312	-0.01197	0.79639	-0.07901	0.08811	-0.01835	0.69245
0.53215	-0.03478	0.45343	-0.10146	0.02836	-0.18724	4.67E-05	-0.14332	0.0019
0.0679	0.05465	0.23851	-0.0349	0.45176	-0.01356	0.77007	-0.02754	0.55275
0.14393	-0.02035	0.66094	-0.05876	0.20494	-0.1512	0.00105	-0.13595	0.00324
0.65208	0.000483	0.99169	0.076174	0.10015	-0.00876	0.85025	-0.02504	0.58931
0.42828	-0.02859	0.53774	-0.08413	0.06932	-0.05198	0.26227	-0.09373	0.0429
0.6655	0.019097	0.68062	-0.12599	0.00641	-0.0595	0.19931	-0.06008	0.19493
0.37222	0.107749	0.01986	-0.00709	0.87861	-0.01049	0.82118	0.051573	0.26603
0.71174	0.020073	0.66525	-0.06367	0.16953	-0.10619	0.02173	-0.06821	0.1411
0.24381	-0.02538	0.58433	-0.05353	0.24827	-0.12689	0.00603	-0.11906	0.01002
0.16537	0.104828	0.02348	0.020515	0.65835	0.092123	0.04663	0.097442	0.03528
0.78518	0.198976	1.48E-05	0.149674	0.00118	-0.00812	0.86109	0.090213	0.05138
0.7035	0.001874	0.96778	-0.07275	0.11641	-0.12438	0.00712	-0.05337	0.24969
0.22114	0.022464	0.62823	0.183373	6.72E-05	0.057573	0.21429	0.064633	0.16318
0.38243	-0.01231	0.79073	-0.08125	0.07945	-0.09355	0.04332	-0.11161	0.01582
6.03E-08	-0.00081	0.98602	-0.09416	0.04196	-0.18794	4.37E-05	-0.13632	0.00316
0.00763	0.108574	0.01893	0.055261	0.23329	0.00444	0.92377	0.082752	0.07401
0.39779	0.013096	0.77775	0.060381	0.19274	0.021669	0.64045	-0.00136	0.97658
0.02288	0.198188	1.60E-05	-0.05045	0.27657	-0.04025	0.38552	0.024515	0.59721
0.87227	-0.09328	0.04392	-0.1868	4.87E-05	-0.20161	1.13E-05	-0.22643	7.64E-07
0.38108	0.045908	0.3222	-0.12817	0.00554	-0.06141	0.18528	-0.03502	0.45025
0.29065	0.000409	0.99297	-0.10403	0.02457	-0.08238	0.07531	-0.08624	0.06259
3.43E-07	-0.10775	0.01986	0.064833	0.16189	0.062139	0.18007	-0.03003	0.51735
6.89E-05	-0.10063	0.02968	-0.28537	3.35E-10	-0.31598	2.75E-12	-0.32033	1.33E-12
8.00E-05	-0.11958	0.00969	-0.11573	0.01233	-0.21768	2.05E-06	-0.23057	4.72E-07
1.01E-06	0.042541	0.359	-0.12601	0.0064	-0.11359	0.01404	-0.08307	0.07289
0.17509	0.006903	0.88173	0.097911	0.03441	0.084629	0.06767	0.107229	0.02046
0.22777	0.259863	1.21E-08	0.048671	0.2939	0.129771	0.00497	0.350696	5.83E-15
0.11238	0.009743	0.83368	-0.08526	0.06564	0.067259	0.14672	-0.02462	0.59567
0.11364	-0.0614	0.1853	0.14273	0.00199	0.070193	0.12985	-0.05162	0.26557
0.13477	-0.02299	0.62016	0.347905	9.84E-15	0.350552	5.99E-15	0.171994	0.00019
0.21136	-0.09187	0.04724	0.132279	0.00419	-0.05468	0.23828	-0.10947	0.01796
0.00376	-0.10444	0.024	-0.12727	0.00588	-0.1549	0.00078	-0.23869	1.79E-07
0.00268	0.03737	0.42043	0.016177	0.72733	-0.10833	0.0192	0.002859	0.95086
0.0004	-0.00657	0.88731	0.039078	0.39948	-0.02204	0.63472	0.091811	0.04738
0.09016	0.051669	0.26514	-0.02042	0.65983	0.004018	0.93099	0.065155	0.1598
0.89851	0.041002	0.37666	-0.01248	0.78802	0.069359	0.13448	0.025793	0.57821
0.40988	-0.0795	0.08616	0.089669	0.05281	0.100105	0.03055	0.115572	0.01245
1.35E-07	-0.01123	0.80868	0.313228	4.33E-12	0.258045	1.54E-08	0.217122	2.18E-06

0.20552	-0.01481	0.74955	-0.03753	0.41845	-0.07596	0.10112	-0.08581	0.0639
0.59105	-0.00222	0.96185	-0.14968	0.00118	-0.15609	0.00071	-0.14676	0.00147
0.97724	0.056252	0.22501	-0.03288	0.47842	0.048752	0.2931	0.092237	0.04635
0.78937	0.00054	0.99072	0.009242	0.84211	-0.04447	0.33761	-0.02779	0.54912
0.15705	0.024264	0.60096	-0.03499	0.45064	-0.01489	0.74823	-0.04222	0.36265
0.49441	0.050344	0.27761	-0.01252	0.78728	-0.04626	0.31848	0.03055	0.51017
0.26503	0.08108	0.08006	-0.07396	0.11044	0.045213	0.32959	0.117952	0.01074
0.89257	-0.00836	0.85693	-0.0008	0.98622	0.067724	0.14394	-0.00786	0.86556
0.4598	0.062482	0.17768	-0.09902	0.0324	-0.011	0.81267	0.011804	0.79919
0.41754	0.084305	0.06873	-0.00398	0.93157	0.088763	0.05526	0.110285	0.01712
0.97296	-0.00562	0.90357	-0.02193	0.63636	-0.0128	0.78258	0.002296	0.96054
0.7425	-0.01981	0.66935	-0.01474	0.75079	-0.02689	0.56212	-0.01678	0.71758
0.01151	-0.02511	0.58839	-0.06031	0.19326	-0.01611	0.72843	-0.06209	0.18045
0.44355	-0.02805	0.54536	-0.04381	0.34488	0.042623	0.35807	-0.0275	0.55326
0.08934	0.043206	0.35154	-0.18879	4.03E-05	-0.08283	0.07374	-0.04879	0.29269
0.159	0.008737	0.85064	-0.0573	0.21644	-0.02137	0.64507	0.004657	0.92006
0.00026	0.073297	0.11368	-0.11043	0.01697	-0.08654	0.06166	0.002529	0.95653
0.06994	0.011117	0.81063	0.058905	0.20386	0.113057	0.01451	0.102824	0.02628
0.21612	0.055108	0.2346	0.300482	3.36E-11	0.272481	2.15E-09	0.321472	1.09E-12
0.00196	0.043481	0.34847	0.058557	0.20655	0.075192	0.10462	0.092432	0.04589
0.69314	0.03608	0.43665	0.029532	0.52437	-0.07778	0.09319	-0.05413	0.24297
0.14906	-0.01867	0.68732	-0.08271	0.07417	-0.07618	0.10013	-0.05841	0.20768
0.00233	0.014565	0.75358	0.001592	0.97262	-0.01017	0.82647	-9.26E-05	0.99841
0.02605	0.033985	0.46376	0.013848	0.76534	-0.01983	0.66907	-0.03695	0.42572
0.71696	0.03911	0.39909	0.370416	1.24E-16	0.292225	1.20E-10	0.261589	9.58E-09
0.99196	0.016209	0.72681	-0.00394	0.93236	-0.0462	0.31917	-0.02016	0.66384
0.31791	0.165575	0.00033	0.088361	0.05638	0.181888	7.71E-05	0.314417	3.56E-12
0.12124	0.017489	0.7062	-0.02106	0.64987	-0.03826	0.40948	-0.00127	0.9782
0.11153	-0.03125	0.50047	-0.14721	0.00142	-0.12253	0.00803	-0.08374	0.0706
0.10368	0.080678	0.08157	0.069393	0.13429	-0.00226	0.96119	0.117916	0.01076
0.37196	0.083461	0.07156	-0.10236	0.02697	0.020637	0.65644	-0.01705	0.71329
0.29805	0.224944	9.06E-07	-0.04272	0.35695	-0.05253	0.2572	0.032081	0.48918
0.76952	0.017197	0.71089	-0.08028	0.08308	-0.07504	0.10532	-0.08933	0.05371
0.45658	0.399897	2.32E-19	-0.03879	0.40299	0.009289	0.84133	0.057168	0.21753
0.00367	0.101935	0.02762	-0.0519	0.26303	-0.03409	0.46233	-0.01399	0.763
0.05045	-0.01119	0.8095	0.164177	0.00037	0.300501	3.35E-11	0.236316	2.39E-07
0.58644	-0.03615	0.43576	0.054717	0.23794	-0.01279	0.78285	-0.02054	0.65798
0.24707	-0.10158	0.02816	0.146968	0.00145	0.066286	0.15266	0.035535	0.44362
4.70E-10	-0.03115	0.50186	0.243818	9.52E-08	0.050229	0.2787	0.032442	0.48431
0.0064	0.032518	0.48329	-0.02058	0.65729	-0.10051	0.02987	0.053519	0.24839
0.00096	-0.09292	0.04475	0.011471	0.80473	-0.20443	8.46E-06	-0.1518	0.001
9.90E-10	0.170007	0.00022	0.318892	1.69E-12	0.185957	5.27E-05	0.263917	7.00E-09
0.68725	0.34335	2.29E-14	0.078612	0.08972	0.228002	6.37E-07	0.347733	1.02E-14
0.08208	0.062284	0.17905	-0.11679	0.01154	-0.02508	0.58883	0.129206	0.00517
7.02E-05	-0.01451	0.7545	0.105342	0.0228	0.290929	1.46E-10	0.242835	1.08E-07

1.40E-07	0.08874	0.05532	0.148089	0.00133	0.135257	0.00341	0.266422	4.97E-09
0.12715	0.071576	0.12244	-0.16206	0.00044	-0.08672	0.06114	-0.0819	0.07705
0.05544	-0.04695	0.31128	0.127032	0.00598	0.157781	0.00062	0.113397	0.01421
1.34E-08	0.073766	0.11138	-0.02662	0.56612	-0.01425	0.75882	0.046658	0.31435
0.09151	0.15602	0.00072	0.16584	0.00032	0.157454	0.00064	0.263782	7.13E-09
0.00317	0.045263	0.32905	0.088118	0.05706	0.031399	0.49847	0.1375	0.00291
0.01905	-0.04107	0.37588	-0.1734	0.00017	-0.16555	0.00033	-0.19002	3.58E-05
0.01508	-0.03799	0.41278	0.024395	0.59899	-0.13619	0.00319	-0.0206	0.65702
0.68923	-0.0023	0.9605	0.002103	0.96384	-0.0099	0.83099	-0.01147	0.80468
5.47E-09	-0.02818	0.54352	-0.04421	0.34043	-0.09052	0.0506	-0.08314	0.07265
0.02415	0.138772	0.00265	-0.12204	0.00829	0.012491	0.78776	0.132309	0.00418
0.15896	0.288292	2.17E-10	0.091892	0.04718	0.09021	0.05139	0.26321	7.70E-09
0.04914	0.039531	0.39404	-0.12146	0.0086	-0.07881	0.08891	0.058815	0.20455
9.33E-07	0.048117	0.29944	0.093443	0.04356	-0.00829	0.85814	0.139095	0.00259
0.61321	0.103802	0.02488	0.006547	0.8878	0.109359	0.01808	0.204744	8.20E-06
4.54E-08	0.115063	0.01284	0.121851	0.00839	-0.0046	0.92103	0.149231	0.00122
0.02936	0.074076	0.10989	0.134664	0.00355	0.134602	0.00357	0.164117	0.00037
0.13683	0.155577	0.00074	0.181712	7.84E-05	0.149154	0.00123	0.184302	6.16E-05
0.91968	0.018786	0.68554	-0.03068	0.50838	-0.02716	0.55818	0.02951	0.52468
0.01711	0.049172	0.28896	0.005327	0.90859	-0.0722	0.11921	-0.01413	0.76069
1.61E-09	-0.03449	0.45716	-0.05788	0.21181	0.027114	0.55891	-0.05041	0.27702
0.0086	0.182963	6.98E-05	0.160828	0.00048	0.201261	1.17E-05	0.30011	3.56E-11
0.61111	0.220482	1.50E-06	-0.13632	0.00316	0.085409	0.06517	0.150226	0.00113
0.04023	0.05703	0.21865	-0.16375	0.00038	-0.08088	0.0808	-0.01257	0.78641
2.91E-10	0.109893	0.01752	-0.09136	0.04848	-0.05337	0.24969	0.112983	0.01457
0.03457	-0.0067	0.88522	-0.17952	9.58E-05	-0.16856	0.00025	-0.08859	0.05575
2.23E-06	0.017988	0.69823	-0.03413	0.46181	-0.09121	0.04885	-0.00424	0.92727
2.07E-11	0.121899	0.00836	0.01965	0.6719	0.049909	0.28178	0.184461	6.07E-05
0.2033	0.00187	0.96785	-0.08919	0.0541	-0.05163	0.26548	-0.02444	0.59829
0.13639	0.025796	0.57818	0.004472	0.92322	0.007398	0.87332	0.077567	0.09408
0.00767	-0.00559	0.90404	0.042205	0.36282	0.002611	0.95513	-0.01559	0.73681
0.00359	-0.00422	0.92757	0.130815	0.00463	0.060096	0.19484	0.055811	0.22867
0.02798	-0.00412	0.92922	0.083206	0.07243	0.026444	0.56867	0.042212	0.36273
0.05553	0.007826	0.86606	0.384868	6.17E-18	0.247819	5.77E-08	0.312777	4.67E-12
0.13334	-0.02643	0.5689	0.117719	0.0109	0.032935	0.47769	-0.00248	0.95744
0.01356	0.039588	0.39336	0.004657	0.92006	-0.04879	0.29276	-0.02125	0.64687
1.70E-07	0.005576	0.90435	0.074133	0.10961	0.001658	0.97149	-0.00577	0.90097
0.47509	0.230745	4.62E-07	0.203707	9.12E-06	0.172873	0.00017	0.376404	3.63E-17
0.2402	0.02984	0.52005	-0.11985	0.00953	-0.07311	0.1146	-0.09498	0.0402
0.06318	0.058304	0.20852	0.151821	0.001	0.229258	5.50E-07	0.271938	2.32E-09
0.92165	-0.15136	0.00103	-0.16029	0.00051	-0.13843	0.00272	-0.33351	1.35E-13
1.04E-06	0.004664	0.91994	0.141225	0.00222	0.113831	0.01384	0.045197	0.32976
0.59357	-0.00303	0.94787	-0.04493	0.33262	0.013527	0.77063	0.017017	0.71378
0.48001	-0.03171	0.49428	0.049517	0.28558	-0.00114	0.98033	-0.04663	0.31466
6.28E-05	0.097234	0.03568	-0.132	0.00427	-0.09761	0.03496	0.047335	0.30737

0.05357	0.157657	0.00063	0.021035	0.65026	-0.10492	0.02336	0.021105	0.64917
0.0019	0.015507	0.7382	0.057656	0.21362	-0.00333	0.94272	0.01294	0.78033
0.05941	0.038421	0.40746	-0.06041	0.19251	-0.17113	0.0002	-0.03426	0.46011
0.69686	-0.04898	0.29085	0.216333	2.38E-06	0.069511	0.13363	-0.02314	0.61795
0.5437	0.014341	0.75725	-0.15029	0.00112	-0.08911	0.0543	-0.09852	0.0333
0.22323	-0.08669	0.06121	-0.12227	0.00816	-0.20801	5.82E-06	-0.20622	7.03E-06
0.94967	0.118434	0.01042	0.271629	2.42E-09	0.164348	0.00036	0.277926	9.92E-10
0.14553	0.052227	0.26	0.122454	0.00807	0.046543	0.31554	0.098399	0.03351
0.8176	0.005962	0.89777	-0.12016	0.00934	-0.08126	0.07938	-0.07627	0.09973
0.96656	-0.01934	0.67686	0.00034	0.99415	-0.03464	0.45519	-0.07492	0.1059
0.02728	-0.02539	0.5842	-0.06949	0.13373	-0.08339	0.07178	-0.07384	0.11104
0.28887	-0.00156	0.97313	-0.00245	0.95789	0.029897	0.51926	-0.06333	0.17188
2.02E-06	0.016591	0.72065	0.008433	0.85577	-0.10535	0.0228	-0.04603	0.3209
0.48605	-0.05568	0.22973	-0.00502	0.91382	-0.07524	0.1044	-0.16246	0.00042
0.30939	-0.0088	0.84963	-0.07769	0.09357	-0.02697	0.56097	-0.0493	0.28772
0.01472	-0.04087	0.37815	-0.07004	0.1307	-0.04736	0.30709	-0.05996	0.19583
0.03346	0.01892	0.68342	0.016998	0.71409	-0.03615	0.43572	-0.01948	0.67456
0.00099	-3.75E-05	0.99936	-0.04167	0.36891	-0.06035	0.19299	-0.05599	0.22716
0.33042	-0.04856	0.295	0.017582	0.70472	-0.15206	0.00098	-0.14128	0.00221
0.83996	0.059997	0.19558	-0.01934	0.6768	0.055673	0.22983	0.102074	0.02741
8.97E-07	0.069388	0.13432	0.049555	0.28522	0.091991	0.04694	0.07828	0.09108
2.45E-05	0.050029	0.28063	0.021001	0.65079	-0.02422	0.60165	0.056339	0.22429
0.97767	0.036215	0.43493	0.076584	0.09833	0.086609	0.06147	0.116202	0.01197
0.30742	0.32014	1.37E-12	0.047048	0.31032	-0.01937	0.67635	0.08587	0.06372
0.03015	-0.00878	0.84989	-0.01603	0.72974	-0.08352	0.07135	-0.09693	0.03626
0.36481	-0.01095	0.8135	-0.00614	0.8948	0.050202	0.27896	-0.01517	0.74372
0.08444	0.007998	0.86313	0.103009	0.02601	0.015204	0.74314	0.037612	0.41742
0.00412	0.064682	0.16286	0.015159	0.74387	-0.04798	0.30085	0.013406	0.77263
8.85E-11	0.066031	0.15425	-0.04216	0.36335	-0.05465	0.2385	0.051781	0.2641
3.75E-11	0.017691	0.70297	-0.03395	0.46425	-0.04439	0.3385	-0.01408	0.76161
0.36629	-0.01853	0.68962	-0.00797	0.86355	-0.0556	0.23044	-0.0331	0.4755
0.00013	0.04097	0.37704	0.058754	0.20502	0.023844	0.60728	0.071634	0.12214
0.34024	-0.04939	0.28682	-0.1397	0.00248	-0.13434	0.00363	-0.18437	6.13E-05
0.04094	0.003615	0.9379	-0.01994	0.66734	0.049782	0.28302	-0.02307	0.61897
3.14E-06	0.01624	0.72632	-0.00339	0.94183	0.042323	0.36147	-0.01155	0.80348
1.97E-05	-0.01456	0.7537	0.065291	0.15893	0.0711	0.12496	0.093886	0.04257
0.00979	0.164078	0.00037	-0.04877	0.2929	0.074478	0.10797	0.250343	4.18E-08
0.02628	0.024324	0.60006	-0.00151	0.97403	0.018714	0.68668	0.012073	0.7947
0.42495	0.031093	0.50267	0.053781	0.24607	0.020659	0.65611	0.016721	0.71855
1.13E-05	0.048226	0.29834	-0.07103	0.12533	-0.05849	0.20709	0.037205	0.42247
0.96202	0.02378	0.60824	-0.12705	0.00597	-0.04291	0.35481	0.025429	0.5836
0.19512	0.018692	0.68702	-0.0687	0.13822	-0.07879	0.08897	0.031494	0.49718
0.54875	0.06103	0.18799	-0.08022	0.08333	0.014903	0.74804	0.104445	0.024
0.00101	0.126974	0.006	-0.01595	0.73109	0.023963	0.60548	0.077635	0.09379
0.3482	0.056659	0.22166	-0.03748	0.41908	0.020036	0.66584	0.063511	0.17063

0.00137	0.138694	0.00267	-0.0514	0.2676	-0.03346	0.47065	-0.00299	0.94869
0.04908	-0.00441	0.92434	0.102117	0.02734	0.043788	0.34508	-0.00961	0.83587
0.53998	-0.00363	0.9377	-0.05609	0.22637	-0.07034	0.12904	-0.02535	0.5847
0.9226	-0.01122	0.80884	-0.07901	0.08811	-0.05893	0.20364	-0.02635	0.57004
0.01889	0.041258	0.37369	0.083571	0.07118	0.017893	0.69975	0.031835	0.49252
8.95E-06	0.016209	0.72682	0.040961	0.37714	-0.0014	0.97591	0.029335	0.52715
0.42372	0.053163	0.25155	0.041035	0.37628	0.009575	0.83651	0.022524	0.62732
0.31164	0.033188	0.47432	-0.0289	0.53326	0.047903	0.30159	0.078189	0.09146
3.73E-06	0.050704	0.27418	0.004486	0.92298	-0.0557	0.22962	0.009617	0.8358
5.23E-05	0.038396	0.40777	0.130348	0.00478	0.074079	0.10987	0.113922	0.01377
0.80739	-0.03584	0.43974	-0.03103	0.50355	-0.05363	0.24738	-0.09249	0.04575
0.00078	0.063853	0.16833	0.04756	0.30508	0.024144	0.60276	0.064269	0.16557
0.52203	0.005538	0.90499	-0.05998	0.1957	-0.03878	0.40313	-0.04336	0.34985
0.0394	0.019733	0.6706	-0.00018	0.99687	-0.02056	0.65772	0.006455	0.88936
0.12244	0.015859	0.73249	-0.01147	0.80476	-0.01221	0.79239	-0.03427	0.46002
0.05349	0.036114	0.43622	-0.02059	0.65715	-0.01184	0.79863	-0.04401	0.34261
0.14578	0.007446	0.87249	-0.05924	0.20133	-0.02213	0.63343	-0.01386	0.76514
0.87632	-0.02835	0.54109	-0.00708	0.87875	-0.00386	0.93372	-0.02601	0.57503
0.00102	0.041639	0.3693	-0.01996	0.66704	-0.01702	0.71369	-0.00717	0.87725
0.07895	-0.11163	0.0158	0.131631	0.00438	-0.0666	0.15071	-0.07856	0.08995
0.00022	0.006781	0.8838	-0.10698	0.02076	-0.12788	0.00565	-0.03873	0.40376
0.20083	-0.09435	0.04155	-0.08663	0.06139	0.055206	0.23376	-0.11275	0.01478
0.18765	-0.11036	0.01704	-0.08442	0.06834	0.04836	0.297	-0.13191	0.0043
0.0177	-0.02498	0.59029	0.02525	0.58625	-0.04144	0.37162	-0.05064	0.27482
0.24229	-0.11692	0.01146	-0.06139	0.18539	-0.26297	7.96E-09	-0.19396	2.44E-05
0.00033	-0.01133	0.8071	-0.0713	0.12387	-0.14848	0.00129	-0.08999	0.05196
0.18348	0.069336	0.13462	0.099527	0.03153	0.147512	0.00139	0.140833	0.00228
0.00477	-0.09885	0.0327	-0.08244	0.07512	-0.10888	0.01859	-0.17051	0.00021
0.00052	-0.07193	0.1206	-0.10811	0.01945	-0.08937	0.05361	-0.23996	1.53E-07
0.00198	-0.22849	6.02E-07	-0.00827	0.85859	-0.03596	0.43816	-0.24135	1.29E-07
0.00072	0.130621	0.00469	-0.01695	0.7148	0.064037	0.16711	0.215394	2.63E-06
0.82009	-0.00518	0.91113	-0.04061	0.38122	-0.07587	0.10152	-0.0799	0.08455
0.39271	0.0137	0.76778	-0.0108	0.81588	-0.06341	0.17131	-0.03705	0.42436
0.23942	0.034181	0.46119	0.094161	0.04196	-0.03492	0.45149	-0.00894	0.84722
0.87874	-0.02032	0.66138	0.053743	0.24641	-0.09181	0.04737	-0.05086	0.27275
0.50584	0.027902	0.54753	0.040213	0.38593	-0.04436	0.33885	0.019345	0.6767
0.33609	-0.02892	0.53296	-0.01525	0.7424	-0.07935	0.08675	-0.08913	0.05427
0.00291	0.119588	0.00969	-0.07553	0.10306	-0.07095	0.12576	-0.00138	0.97626
0.0003	0.098942	0.03254	-0.01848	0.69045	-0.00418	0.92825	0.059105	0.20232
0.86044	0.083236	0.07233	-0.04422	0.34035	-0.05497	0.23578	-0.01347	0.77164
1.49E-08	0.051454	0.26713	0.02994	0.51866	0.001509	0.97405	0.05343	0.24917
1.18E-08	0.029969	0.51825	-0.05739	0.21575	-0.10057	0.02978	-0.09158	0.04794
2.27E-12	-0.01006	0.82841	-0.12434	0.00714	-0.03194	0.49117	-0.06721	0.14701
0.56267	0.289016	1.95E-10	-0.02289	0.62171	0.068737	0.13803	0.172535	0.00018
2.55E-07	-0.006	0.89715	-0.08008	0.08385	-0.1192	0.00993	-0.02767	0.55081

0.49769	0.071442	0.12315	0.070205	0.12978	0.148505	0.00129	0.149831	0.00116
0.00263	0.063229	0.17254	0.030887	0.50551	-0.0471	0.30981	0.048605	0.29456
0.9865	-0.13672	0.00307	-0.2505	4.10E-08	-0.24781	5.77E-08	-0.30267	2.38E-11
7.62E-05	-0.0698	0.13199	0.324303	6.74E-13	0.026251	0.57148	-0.05209	0.26122
1.08E-09	-0.12558	0.00658	-0.01714	0.71187	-0.21658	2.31E-06	-0.25064	4.03E-08
0.00022	-0.25501	2.29E-08	0.125829	0.00647	-0.03422	0.46063	-0.11389	0.01379
0.25246	0.004907	0.91577	-0.13316	0.00394	-0.23692	2.22E-07	-0.15564	0.00074
0.00107	-0.09061	0.05036	-0.17828	0.00011	-0.2918	1.28E-10	-0.27849	9.14E-10
7.48E-05	0.084545	0.06794	0.033742	0.46696	0.025133	0.58799	0.09205	0.0468
0.00233	0.078437	0.09044	0.011076	0.81132	0.036075	0.43671	0.085901	0.06363
0.47192	-0.0084	0.85636	-0.01817	0.69527	-0.11022	0.01719	-0.10024	0.03032
0.97801	0.068537	0.13918	-0.06057	0.19136	-0.1695	0.00023	-0.05275	0.25522
0.00131	0.083259	0.07225	-0.02131	0.64599	0.091112	0.04909	0.100044	0.03065
0.03327	0.032215	0.48737	0.066067	0.15403	0.074608	0.10735	0.013727	0.76734
0.2022	-0.04189	0.36637	0.049444	0.2863	0.007328	0.8745	-0.03824	0.40967
1.59E-10	-0.06403	0.16716	-0.10771	0.0199	-0.12801	0.0056	-0.12119	0.00875
0.57979	-0.07821	0.09137	0.061528	0.1844	-0.01719	0.71103	-0.12745	0.00582
0.74111	-0.11136	0.01606	-0.21028	4.58E-06	-0.14102	0.00225	-0.22997	5.07E-07
0.32903	-0.01921	0.67875	-0.10661	0.02121	-0.1267	0.00611	-0.11492	0.01295
0.53521	-0.0122	0.79256	0.112862	0.01468	0.166869	0.00029	0.167659	0.00027
1.59E-20	-0.04331	0.3504	-0.14462	0.00173	-0.12802	0.00559	-0.14872	0.00127
0.0077	0.006211	0.89351	-0.1376	0.00288	-0.09192	0.0471	-0.09332	0.04384
0.09943	0.029417	0.52599	-0.15827	0.0006	-0.12256	0.00802	-0.07806	0.09201
0.00121	0.020823	0.65356	-0.09441	0.04141	-0.08182	0.07733	-0.05084	0.27288
1.30E-05	0.148423	0.0013	-0.01891	0.68359	-0.02489	0.59155	0.046931	0.31153
0.17477	0.036089	0.43653	-0.14857	0.00128	-0.07467	0.10704	-0.02604	0.57461
9.38E-05	0.141865	0.00212	-0.09711	0.03592	-0.08289	0.07352	0.024259	0.60104
0.6659	-0.14278	0.00198	-0.09396	0.04239	-0.23373	3.25E-07	-0.25964	1.24E-08
1.78E-09	-0.08218	0.07604	-0.155	0.00078	-0.26472	6.28E-09	-0.26313	7.78E-09
0.16277	-0.00459	0.92117	0.241107	1.33E-07	0.156068	0.00071	0.181829	7.76E-05
0.42313	-0.08301	0.0731	-0.23117	4.40E-07	-0.12465	0.00699	-0.15438	0.00082
0.00245	0.111436	0.01599	-0.05042	0.27684	-0.06872	0.13811	0.070405	0.12869
0.00038	-0.01327	0.77479	-0.02866	0.53663	-0.04161	0.36963	0.006011	0.89692
0.03647	0.012497	0.78766	-0.15348	0.00088	-0.10098	0.02912	-0.10051	0.02988
0.00024	0.022534	0.62716	-0.083	0.07314	0.030993	0.50405	-0.01332	0.77406
0.30452	0.016359	0.72439	-0.03233	0.4858	-0.10443	0.02402	-0.05852	0.20685
0.29158	0.058423	0.20759	0.039168	0.3984	0.075712	0.10224	0.154199	0.00083
0.00086	0.229058	5.63E-07	0.279294	8.15E-10	0.241546	1.26E-07	0.214966	2.76E-06
2.30E-08	-0.02182	0.63811	-0.04004	0.38794	-0.176	0.00013	-0.08076	0.08128
0.68067	-0.16374	0.00038	-0.23104	4.47E-07	-0.24838	5.37E-08	-0.35815	1.40E-15
0.09479	0.178083	0.00011	0.017064	0.71303	0.091101	0.04912	0.11029	0.01711
0.04191	0.298904	4.30E-11	0.276273	1.26E-09	0.272642	2.10E-09	0.365911	3.05E-16
0.60103	-0.03391	0.46481	-0.0201	0.66484	-0.11563	0.0124	-0.09879	0.03282
0.00236	0.011001	0.81258	-0.01857	0.68889	0.099877	0.03093	0.049548	0.28528
0.00091	0.038485	0.40669	-0.01594	0.73109	-0.04506	0.33119	-0.00848	0.85494



0.00138	0.148141	0.00133	0.046451	0.31651	0.214047	3.05E-06	0.186478	5.02E-05
0.6916	-0.00103	0.98225	-0.05983	0.19684	-0.03716	0.42309	-0.04185	0.3669
3.34E-06	-0.08767	0.05835	-0.11387	0.01381	-0.25526	2.21E-08	-0.19225	2.88E-05
0.05183	0.015875	0.73222	0.000224	0.99615	0.012539	0.78696	0.098054	0.03414
0.02848	0.12566	0.00655	0.051998	0.26211	-0.02395	0.60566	0.089994	0.05195
0.35005	0.018246	0.69412	-0.01627	0.72586	-0.02248	0.62792	-0.00415	0.9287
0.89909	0.024405	0.59885	0.039842	0.39032	0.066107	0.15378	0.01093	0.81376
0.05591	-0.02936	0.52676	-0.13709	0.00299	-0.10382	0.02486	-0.12271	0.00794
0.30927	0.038425	0.40741	-0.009	0.84616	-0.047	0.31077	-0.00899	0.8463
0.08991	-0.07795	0.09246	-0.00972	0.83404	-0.04825	0.29808	-0.15049	0.00111
0.34222	-0.00135	0.97671	-0.22016	1.56E-06	-0.19156	3.08E-05	-0.19052	3.41E-05
0.00042	-0.00021	0.99642	-0.2408	1.38E-07	-0.31235	5.00E-12	-0.31045	6.83E-12
0.02544	-0.0226	0.62614	0.165515	0.00033	-0.02391	0.6063	-0.00721	0.87646
0.31579	-0.17217	0.00018	-0.01132	0.80727	0.041444	0.37154	-0.06623	0.153
0.08109	0.069762	0.13223	0.099446	0.03167	0.10279	0.02633	0.245006	8.21E-08
5.42E-12	0.204988	7.99E-06	0.011389	0.80609	-0.02185	0.63762	0.111792	0.01565
1.05E-08	0.11357	0.01406	-0.00142	0.97562	-0.02213	0.63328	0.058949	0.20352
0.00356	0.06707	0.14786	-0.03582	0.43993	-0.02627	0.57122	0.038532	0.40611
0.03262	-0.07261	0.11712	0.173424	0.00017	-0.13696	0.00302	-0.08536	0.06531
0.88671	0.065375	0.1584	0.083041	0.073	0.0187	0.6869	0.100129	0.03051
0.3849	0.006922	0.8814	0.036669	0.42919	-0.06639	0.15199	-0.03736	0.42057
3.71E-08	0.034137	0.46176	0.131845	0.00432	-0.00444	0.92378	0.093731	0.04291
0.00301	0.048561	0.295	0.056496	0.223	-0.01315	0.77686	0.071383	0.12345
1.79E-07	0.042205	0.36282	0.170758	0.00021	0.113948	0.01374	0.168192	0.00026
0.08641	0.110813	0.01659	0.129731	0.00499	0.019138	0.67997	0.11322	0.01436
0.00894	0.228639	5.91E-07	0.195082	2.18E-05	0.229294	5.48E-07	0.337946	6.12E-14
6.90E-05	-0.01699	0.71419	0.070763	0.12676	-0.07279	0.1162	-0.06238	0.17838
0.00033	0.029201	0.52903	0.149998	0.00115	0.058548	0.20662	0.085968	0.06342
0.00037	0.072946	0.11543	0.147754	0.00136	0.094845	0.04049	0.105902	0.02209
4.84E-09	0.043957	0.34321	0.211256	4.12E-06	0.143203	0.00192	0.16426	0.00036
0.01996	0.127676	0.00573	0.246624	6.70E-08	0.26427	6.67E-09	0.319752	1.46E-12
0.04101	0.004669	0.91984	0.147707	0.00137	-0.02382	0.60758	0.018777	0.68568
2.69E-05	0.050513	0.276	0.134304	0.00364	0.017942	0.69896	0.121721	0.00846
0.0058	0.15415	0.00083	0.107387	0.02028	0.171692	0.00019	0.331421	1.96E-13
0.12543	0.013942	0.7638	0.10943	0.018	-0.00222	0.96176	0.029294	0.52773
0.0002	0.101066	0.02898	0.114408	0.01337	0.039755	0.39136	0.129269	0.00515
3.49E-05	0.014063	0.76181	0.130354	0.00478	0.002221	0.96181	0.051054	0.27088
0.00082	0.058626	0.20601	0.131719	0.00435	-0.03002	0.51759	0.048504	0.29557
0.01917	0.144091	0.0018	0.167591	0.00028	0.170296	0.00022	0.240651	1.41E-07
0.47501	0.125546	0.0066	0.181182	8.23E-05	0.180689	8.61E-05	0.232424	3.79E-07
1.66E-08	-0.07126	0.12412	0.058204	0.2093	-0.058	0.21094	-0.09859	0.03318
0.95641	0.029668	0.52247	-0.13634	0.00316	-0.09547	0.03918	-0.01071	0.81746
0.04222	0.268004	4.00E-09	0.088484	0.05603	0.171995	0.00019	0.326537	4.59E-13
0.23635	0.066425	0.15181	0.161132	0.00047	0.222825	1.15E-06	0.317759	2.04E-12
0.83858	0.048492	0.29568	0.076926	0.09683	0.111631	0.0158	0.094193	0.04189

0.00459	0.047312	0.30761	0.12358	0.0075	-0.00468	0.91973	0.014433	0.75574
0.35921	-0.01066	0.81821	0.052338	0.259	0.013715	0.76753	0.057896	0.21173
4.15E-05	0.178407	0.00011	0.329884	2.56E-13	0.256907	1.78E-08	0.353814	3.22E-15
0.06729	0.068531	0.13921	0.158898	0.00057	-0.00168	0.97108	0.006932	0.88124
0.01144	-0.17025	0.00022	0.007091	0.87853	-0.13195	0.00429	-0.26968	3.17E-09
0.43924	-0.0565	0.22294	-0.06089	0.189	-0.04806	0.30005	-0.12601	0.0064
0.1029	0.018691	0.68705	-0.1826	7.22E-05	-0.14944	0.0012	-0.08828	0.05659
0.0113	0.113524	0.0141	0.001712	0.97057	0.041536	0.37048	0.112939	0.01461
6.15E-13	0.100322	0.03019	0.077999	0.09226	-0.03504	0.45005	0.084147	0.06925
0.71772	0.009289	0.84132	0.10484	0.02346	0.305444	1.53E-11	0.282533	5.09E-10
0.26541	-0.0418	0.36741	-0.09072	0.05008	0.138692	0.00267	0.065874	0.15524
0.01909	0.045343	0.3282	-0.09789	0.03445	-0.09673	0.03665	-0.11247	0.01503
0.33594	0.071556	0.12255	-0.15221	0.00097	-0.0963	0.0375	0.072696	0.11668
0.26314	-0.07878	0.08904	0.058016	0.21078	-0.00563	0.90347	-0.00689	0.88194
0.65125	0.024954	0.59064	-0.0802	0.08341	-0.03503	0.45013	-0.04096	0.37714
0.4707	-0.15763	0.00063	-0.08004	0.08403	-0.13743	0.00292	-0.1385	0.0027
0.33096	-0.03758	0.41784	0.28886	2.00E-10	0.143377	0.0019	0.170072	0.00022
0.24919	-0.09648	0.03714	-0.11571	0.01234	-0.12876	0.00533	-0.20209	1.08E-05
0.0003	-0.17098	0.00021	-0.02798	0.54645	-0.19419	2.38E-05	-0.25318	2.90E-08
0.02598	0.030353	0.5129	-0.06242	0.17808	-0.06401	0.16728	-0.01471	0.75127
0.36637	-0.03364	0.46827	-0.06362	0.16988	-0.07144	0.12318	-0.11897	0.01008
0.05925	0.073083	0.11475	-0.07725	0.09545	-0.05866	0.20574	0.007317	0.87469
0.18394	0.081157	0.07977	-0.10906	0.0184	-0.00232	0.96006	0.070379	0.12884
0.00015	-0.01053	0.82054	-0.01156	0.80324	-0.05865	0.20581	-0.04008	0.38756
0.04489	0.007383	0.87357	0.057255	0.21683	0.126428	0.00622	0.104145	0.02441
0.87138	0.163514	0.00039	-0.0808	0.08113	0.119533	0.00972	0.163061	0.0004
0.2023	-0.0164	0.7238	-0.17465	0.00015	-0.16393	0.00037	-0.1278	0.00568
0.00203	0.035107	0.44913	0.032105	0.48886	0.009783	0.83301	0.056132	0.226
0.42819	0.026568	0.56684	-0.0279	0.54758	0.012324	0.79053	-0.0344	0.45829
0.1615	-0.02422	0.60166	0.041473	0.3712	-0.04259	0.35845	-0.02838	0.54067
1.54E-05	-0.20936	5.05E-06	-0.05801	0.2108	-0.12504	0.00682	-0.20768	6.03E-06
0.62204	0.026186	0.57244	-0.05543	0.2319	-0.08035	0.08284	-0.00964	0.83543
0.81479	0.020528	0.65814	-0.07671	0.09779	-0.01294	0.78031	0.080875	0.08083
0.51472	0.091954	0.04703	-0.13932	0.00255	-0.04234	0.36132	0.117395	0.01112
0.0011	-0.05141	0.26755	-0.09579	0.03853	-0.04872	0.29343	-0.05547	0.23154
0.03973	0.034103	0.46222	0.163244	0.0004	0.157641	0.00063	0.184757	5.91E-05
0.47715	0.090892	0.04965	0.248564	5.25E-08	0.264888	6.13E-09	0.274255	1.67E-09
0.049	-0.03068	0.50838	-0.03155	0.49641	-0.00358	0.93857	-0.0778	0.0931
0.68667	0.058701	0.20543	-0.02356	0.61153	0.024001	0.60491	0.021152	0.64844
0.00164	0.083357	0.07191	-0.04257	0.35866	0.030416	0.51203	0.06853	0.13921
1.38E-05	0.022473	0.6281	0.109949	0.01746	-0.05038	0.27731	0.029733	0.52155
5.07E-06	0.366745	2.58E-16	0.12435	0.00713	0.103442	0.02539	0.261462	9.74E-09
1.94E-06	-0.00644	0.88965	0.289437	1.83E-10	0.159277	0.00055	0.138211	0.00276
0.05061	0.07275	0.11641	0.133368	0.00389	0.229479	5.36E-07	0.232115	3.94E-07
0.02807	-0.05441	0.24058	-0.06352	0.17057	0.138243	0.00275	0.020145	0.66413

0.03045	0.054401	0.24066	0.010229	0.82551	-0.02719	0.55779	0.005894	0.89892
0.00123	0.16346	0.00039	-0.136	0.00323	-0.07031	0.12919	0.081441	0.07872
2.28E-08	-0.09029	0.05117	0.091861	0.04725	0.080088	0.08383	-0.04045	0.38312
0.0002	-0.03772	0.41608	-0.00095	0.98368	-0.0439	0.3438	-0.07204	0.12001
0.62912	0.017892	0.69976	0.069945	0.13121	-0.04712	0.30958	0.011508	0.80412
0.08814	0.001774	0.96951	-0.09324	0.04401	-0.0049	0.91582	0.01925	0.67819
0.36648	0.062387	0.17833	-0.12827	0.0055	-0.11829	0.01052	-0.02927	0.52813
0.1559	0.039348	0.39623	-0.05519	0.23393	-0.05095	0.27181	-0.00652	0.88819
0.59392	0.066825	0.14935	-0.12197	0.00833	-0.07889	0.0886	-0.04206	0.36448
0.00884	-0.0094	0.83945	0.029562	0.52395	0.146354	0.00152	0.032095	0.489
0.12255	-0.05581	0.22872	0.133252	0.00392	0.078583	0.08984	-0.01733	0.70882
0.51444	-0.00449	0.92288	0.224539	9.48E-07	0.30768	1.07E-11	0.237249	2.13E-07
6.38E-06	-0.00776	0.86713	-0.13518	0.00342	0.039519	0.39419	-0.01444	0.75555
0.02935	0.089378	0.05359	-0.05013	0.27963	-0.02183	0.63795	0.041554	0.37027
0.41609	-0.05784	0.21213	-0.12318	0.0077	0.023285	0.61573	-0.03301	0.47675
0.00153	0.023839	0.60735	-0.03931	0.39672	-0.00092	0.98416	0.046434	0.31668
4.58E-07	-0.00716	0.87743	-0.1502	0.00113	-0.10842	0.0191	-0.0912	0.04887
0.92529	0.171721	0.00019	0.32248	9.21E-13	0.310601	6.66E-12	0.371258	1.04E-16
5.08E-10	-0.15172	0.00101	-0.00821	0.85955	0.012222	0.79222	-0.11091	0.01649
0.6064	-0.02713	0.55873	-0.03678	0.42785	0.122839	0.00787	0.011435	0.80533
0.37727	0.237953	1.96E-07	0.242973	1.06E-07	0.240698	1.40E-07	0.404578	8.08E-20
0.86037	0.019102	0.68053	-0.18915	3.89E-05	-0.15411	0.00083	-0.02448	0.59779
0.31385	0.100419	0.03003	-0.09225	0.04632	0.132343	0.00417	0.254726	2.37E-08
0.00383	-0.05326	0.2507	-0.11846	0.0104	-0.09158	0.04794	-0.15526	0.00076
0.37748	-0.08692	0.06053	-0.11015	0.01726	-0.16925	0.00024	-0.14293	0.00196
0.33205	-0.03016	0.51565	0.113605	0.01403	-0.04163	0.36941	-0.07424	0.10912
0.22841	0.253493	2.79E-08	0.184206	6.22E-05	0.25544	2.16E-08	0.285794	3.15E-10
0.4428	-0.11279	0.01474	-0.20558	7.51E-06	-0.2378	2.00E-07	-0.29984	3.71E-11
0.0792	-0.02079	0.65404	-0.08331	0.07207	-0.14949	0.0012	-0.12023	0.00931
0.82131	0.092443	0.04587	-0.04127	0.37353	-0.07992	0.08448	-0.03601	0.43756
0.17072	-0.00282	0.95161	-0.0011	0.98111	-0.06066	0.19068	-0.04607	0.32046
2.01E-07	0.160202	0.00051	0.120347	0.00924	0.254634	2.40E-08	0.316067	2.71E-12
0.00349	-0.01628	0.72575	-0.03777	0.41543	-0.02281	0.62293	-0.06752	0.14513
0.00977	0.073357	0.11339	0.185868	5.32E-05	0.189778	3.66E-05	0.150566	0.0011
6.70E-13	0.237169	2.15E-07	-0.0339	0.46482	-0.01259	0.78608	0.123829	0.00738
0.0006	0.233537	3.33E-07	0.167855	0.00027	0.131094	0.00455	0.360084	9.62E-16
0.04916	-0.0278	0.54903	-0.02388	0.6068	0.135212	0.00342	0.113392	0.01422
0.00013	0.121019	0.00885	-0.02952	0.52454	-0.0142	0.75951	0.130754	0.00465
0.81019	-0.05087	0.27261	0.175953	0.00013	0.329554	2.72E-13	0.202724	1.01E-05
0.00139	-0.07046	0.12837	-0.14406	0.0018	-0.16826	0.00026	-0.26411	6.81E-09
0.11651	0.134742	0.00353	-0.15389	0.00085	0.097004	0.03612	0.071622	0.1222
0.52716	0.30943	8.06E-12	0.17757	0.00011	0.229508	5.35E-07	0.306766	1.24E-11
0.0056	-0.03032	0.51342	-0.01437	0.75683	0.05151	0.26662	-0.03714	0.42331
0.34511	-0.03987	0.39	0.264444	6.51E-09	0.082742	0.07404	0.058399	0.20778
0.51069	-0.08097	0.08046	-0.07918	0.08741	-0.17605	0.00013	-0.1981	1.62E-05

0.51061	-0.03373	0.46717	-0.06626	0.15283	-0.01591	0.73171	-0.04445	0.33786
0.03168	0.108805	0.01867	-0.09744	0.03529	-0.13633	0.00316	-0.03747	0.4192
0.16203	-0.04545	0.32702	-0.17766	0.00011	-0.13501	0.00347	-0.10191	0.02765
0.30326	-0.19845	1.56E-05	0.454034	3.95E-25	0.138563	0.00269	-0.03563	0.44237
0.00968	-0.22744	6.80E-07	0.202317	1.05E-05	-0.01265	0.7852	-0.25887	1.38E-08
1.62E-05	0.027202	0.55762	0.098382	0.03354	0.061077	0.18764	0.022046	0.63464
0.27059	0.005512	0.90543	0.080008	0.08414	0.125172	0.00676	0.101277	0.02864
0.01057	0.119535	0.00972	0.126077	0.00637	0.062295	0.17898	0.167066	0.00029
7.13E-07	0.158119	0.0006	0.117513	0.01104	0.08013	0.08367	0.220209	1.55E-06
0.03626	-0.01218	0.79295	0.242463	1.13E-07	0.329756	2.62E-13	0.274003	1.73E-09
0.53925	-0.03515	0.44859	-0.18103	8.35E-05	-0.08187	0.07717	-0.04913	0.28935
7.29E-10	-0.00773	0.86762	0.062332	0.17872	-0.04115	0.3749	-0.06726	0.14671
2.13E-06	0.002	0.96562	0.003229	0.94452	-0.07814	0.09166	-0.08657	0.06159
0.0045	0.114852	0.01301	0.135883	0.00326	0.192639	2.78E-05	0.241482	1.27E-07
0.08596	0.124449	0.00709	-0.18848	4.15E-05	-0.12157	0.00854	-0.03548	0.44432
0.01199	-0.20032	1.29E-05	-0.12187	0.00838	-0.2438	9.55E-08	-0.34317	2.36E-14
0.0451	0.113453	0.01416	0.088069	0.0572	0.125376	0.00667	0.201872	1.10E-05
0.42957	-0.07089	0.12608	-0.04291	0.35479	0.003007	0.94832	-0.08872	0.05538
0.57514	-0.0653	0.15887	-0.14034	0.00237	-0.15792	0.00061	-0.20743	6.19E-06
0.16534	-0.04147	0.3712	0.255318	2.20E-08	0.012766	0.78321	0.02658	0.56667
0.51084	-0.00129	0.97785	0.176543	0.00013	0.060115	0.1947	0.18082	8.51E-05
0.61552	0.088744	0.05531	-0.09931	0.0319	-0.15757	0.00063	-0.03462	0.45541
0.20782	-0.07868	0.08945	-0.07302	0.11507	-0.22901	5.67E-07	-0.15363	0.00087
0.08722	-0.14891	0.00125	0.042463	0.35988	-0.11347	0.01415	-0.1625	0.00042
1.93E-10	0.031209	0.50108	0.086752	0.06104	0.059871	0.19653	0.054968	0.23579
0.06899	0.00832	0.85768	0.010329	0.82384	0.095589	0.03893	-0.03414	0.46179
0.64748	-0.17936	9.72E-05	-0.07009	0.1304	-0.19987	1.35E-05	-0.28636	2.90E-10
1.87E-16	0.026995	0.56062	-0.00573	0.90166	0.023264	0.61604	0.102431	0.02687
1.78E-10	0.012474	0.78804	0.010177	0.82638	-0.02057	0.65742	0.02932	0.52735
0.11575	0.104002	0.0246	-0.07254	0.11748	0.04131	0.37309	0.07774	0.09334
5.63E-09	-0.06958	0.13324	0.069906	0.13143	-0.07262	0.11705	-0.21427	2.98E-06
0.36198	0.215782	2.52E-06	-0.2793	8.14E-10	-0.05678	0.22065	-0.04755	0.30522
0.43293	0.025599	0.58108	0.326413	4.69E-13	0.300603	3.30E-11	0.2572	1.72E-08
1.42E-05	0.029384	0.52646	-0.08872	0.05537	-0.06326	0.17231	-0.052	0.26208
0.00723	0.033445	0.4709	-0.05954	0.19898	0.015141	0.74416	0.039494	0.39448
0.25603	0.176012	0.00013	0.073113	0.1146	0.108987	0.01848	0.090634	0.0503
0.05111	0.106621	0.02119	0.012478	0.78797	-0.09209	0.0467	0.034627	0.45536
0.66715	-0.02152	0.64272	0.189176	3.88E-05	0.225089	8.91E-07	0.166545	0.0003
0.39748	-0.16691	0.00029	0.115409	0.01257	-0.0874	0.05912	-0.14062	0.00232
0.78135	0.083477	0.0715	0.100557	0.0298	0.118165	0.0106	0.157384	0.00064
2.66E-14	0.020958	0.65146	-0.04848	0.2958	-0.10533	0.02282	-0.09303	0.04449
0.52302	0.026486	0.56804	-0.0922	0.04643	-0.02428	0.60073	0.047112	0.30966
0.06367	0.12983	0.00495	0.152127	0.00097	0.105019	0.02323	0.292556	1.14E-10
0.01338	0.062379	0.1784	-0.1175	0.01105	-0.16177	0.00045	0.034176	0.46126
0.37724	0.083164	0.07258	-0.13139	0.00445	-0.04928	0.28788	0.045413	0.32745

0.18742	0.185234	5.65E-05	0.048109	0.29952	0.069406	0.13422	0.273918	1.75E-09
0.99938	0.095226	0.03969	-0.00658	0.88715	-0.06234	0.17867	0.0319	0.49164
0.30431	0.055013	0.2354	-0.05769	0.21338	-0.05318	0.25144	0.055154	0.2342
0.04	-0.11803	0.01069	-0.11153	0.01589	-0.26177	9.34E-09	-0.27643	1.23E-09
0.08967	0.098775	0.03284	-0.01318	0.77643	0.022506	0.6276	0.072338	0.1185
0.20783	-0.03277	0.47993	-0.14582	0.00158	-0.20124	1.18E-05	-0.13432	0.00364
0.41926	0.037677	0.41662	0.22051	1.50E-06	0.035711	0.44137	0.007161	0.87734
0.00064	-0.03162	0.49549	-0.00735	0.87412	-0.04587	0.32258	-0.01886	0.68437
0.12141	0.008691	0.85141	-0.19043	3.44E-05	-0.1464	0.00151	-0.10315	0.02581
1.33E-10	0.043654	0.34655	-0.03097	0.50436	-0.06689	0.14898	-0.0489	0.29164
0.00994	0.221993	1.27E-06	0.098808	0.03278	0.162748	0.00041	0.282947	4.79E-10
0.62866	-0.04787	0.30192	0.055212	0.23371	0.064191	0.16609	0.046662	0.31431
1.72E-06	0.011281	0.8079	-0.05826	0.20883	-0.06256	0.17713	-0.04257	0.35862
0.71715	0.033821	0.46593	0.005998	0.89714	0.063005	0.17406	0.049159	0.28909
0.09869	0.000933	0.98396	-0.063	0.17411	-0.04833	0.29732	-0.06782	0.14339
0.03833	-0.00117	0.97983	-0.02697	0.56101	-0.01491	0.74798	-0.01429	0.75801
0.05791	0.01753	0.70555	0.120465	0.00917	0.033893	0.46497	-0.01904	0.68145
0.00652	-0.166	0.00031	-0.15706	0.00066	-0.2934	1.00E-10	-0.29772	5.17E-11
0.00022	-0.0228	0.62312	-0.14465	0.00172	-0.15412	0.00083	-0.15031	0.00112
0.8026	0.033937	0.4644	0.009008	0.84605	0.063661	0.16962	0.076869	0.09709
0.00061	0.100403	0.03005	0.106604	0.02122	0.080501	0.08225	0.073496	0.1127
0.53413	0.031362	0.49898	0.019551	0.67345	0.081565	0.07826	0.082893	0.07352
0.91318	-0.00653	0.88812	-0.00718	0.87703	-0.02419	0.60212	-0.02454	0.5968
0.37797	0.049888	0.28199	0.056298	0.22463	-0.05858	0.20636	0.012459	0.78829
0.32366	-0.02085	0.65313	-0.01222	0.79234	-0.13863	0.00268	-0.08725	0.05956
0.0022	0.510064	2.70E-32	-0.00713	0.87785	-0.03748	0.41902	0.118275	0.01053
0.01387	0.036208	0.43502	-0.01427	0.7584	0.009503	0.83771	0.017833	0.70071
0.36642	0.059958	0.19587	0.03642	0.43234	-0.00628	0.89238	0.037334	0.42087
0.00764	-0.12398	0.00731	-0.08263	0.07443	-0.0693	0.13483	-0.1097	0.01772
0.08161	-0.08809	0.05715	0.063953	0.16767	0.030511	0.51071	-0.03009	0.51651
0.79523	0.012848	0.78184	-0.09114	0.04902	-0.06679	0.14953	-0.03554	0.44351
0.80611	-0.04325	0.35105	0.075622	0.10264	-0.10052	0.02987	-0.06251	0.17749
0.18449	0.07861	0.08972	-0.01443	0.75586	0.070901	0.12602	0.059164	0.20187
4.15E-08	0.100463	0.02995	0.031027	0.50359	0.052381	0.2586	0.192945	2.69E-05
2.03E-09	0.110188	0.01722	-0.2208	1.45E-06	0.063659	0.16963	0.183234	6.81E-05
0.29634	-0.01593	0.7313	0.01018	0.82633	0.008788	0.84977	-0.0542	0.24245
0.00417	0.073533	0.11252	0.123962	0.00732	0.112567	0.01494	0.212368	3.66E-06
0.95695	-0.04074	0.37967	-0.09746	0.03525	-0.18313	6.88E-05	-0.18536	5.58E-05
0.45636	-0.03457	0.45616	-0.10982	0.0176	-0.14072	0.0023	-0.13731	0.00294
0.12406	-0.00165	0.97167	-0.14761	0.00138	-0.03664	0.42957	-0.05156	0.26619
0.01579	-0.01257	0.78642	-0.08416	0.06922	-0.04424	0.34012	-0.042	0.3652
0.34321	-0.04239	0.36075	-0.12173	0.00845	-0.09019	0.05145	-0.09149	0.04817
0.05001	-0.17518	0.00014	0.108681	0.01881	-0.01475	0.75063	-0.14029	0.00238
0.0675	0.119686	0.00963	0.098872	0.03267	0.010942	0.81357	0.130366	0.00478
0.38995	-0.05006	0.28031	-0.27217	2.24E-09	-0.15154	0.00102	-0.17136	0.0002

0.74782	0.003724	0.93602	-0.20554	7.54E-06	-0.0972	0.03574	-0.13717	0.00297
0.02156	-0.14743	0.0014	-0.00383	0.93422	-0.28027	7.07E-10	-0.30377	2.00E-11
0.0005	-0.03838	0.40798	0.109404	0.01803	0.021413	0.6444	-0.00417	0.92835
4.24E-05	-0.02847	0.53942	-0.02433	0.60002	0.047823	0.30241	0.045236	0.32935
0.76032	-0.0059	0.89885	-0.20964	4.90E-06	-0.11792	0.01076	-0.1664	0.0003
0.00062	0.072822	0.11605	0.204628	8.29E-06	0.252296	3.25E-08	0.307161	1.16E-11
0.00286	0.080202	0.08339	0.113041	0.01452	0.114112	0.01361	0.177574	0.00011
0.95379	0.134101	0.00369	-0.12669	0.00611	-0.09112	0.04907	-0.00828	0.85829
0.05576	0.017543	0.70535	-0.18583	5.34E-05	-0.11688	0.01148	-0.16887	0.00025
3.15E-06	0.0076	0.86989	-0.04302	0.35364	-0.08702	0.06023	-0.07577	0.10196
0.00268	-0.04518	0.32999	-0.09527	0.03959	-0.22801	6.36E-07	-0.13759	0.00289
1.06E-10	-0.16134	0.00046	-0.14019	0.00239	-0.26011	1.17E-08	-0.34365	2.17E-14
0.00117	0.265455	5.68E-09	-0.02716	0.55823	0.159977	0.00052	0.301546	2.84E-11
0.02866	0.249982	4.38E-08	0.090094	0.05169	0.177014	0.00012	0.326937	4.28E-13
0.86511	0.132863	0.00402	-0.04736	0.30713	0.044852	0.33347	0.108742	0.01874
9.88E-12	0.024559	0.59655	0.232443	3.79E-07	0.192952	2.69E-05	0.109018	0.01844
0.40861	0.051159	0.26989	-0.0273	0.55616	0.041301	0.37319	0.189421	3.79E-05
0.28566	-0.03689	0.42645	0.290676	1.52E-10	0.331486	1.94E-13	0.288611	2.07E-10
0.00214	0.086636	0.06138	-0.07884	0.08881	-0.16258	0.00042	-0.06229	0.17904
0.02794	-0.06581	0.15561	0.285473	3.30E-10	0.158459	0.00059	0.067938	0.14267
1.13E-05	0.467619	9.53E-27	0.002613	0.95509	0.083839	0.07028	0.292858	1.09E-10
0.00073	-0.08128	0.07932	-0.00138	0.97627	-0.051	0.27143	-0.11804	0.01068
1.82E-13	0.224417	9.62E-07	0.063094	0.17346	-0.01813	0.69589	0.165359	0.00033
0.56489	0.024129	0.60299	-0.00272	0.95329	-0.02733	0.55582	0.006041	0.8964
0.0073	-0.01329	0.77457	-0.08441	0.06839	-0.07847	0.09031	-0.07345	0.11294
0.71448	0.076046	0.10073	0.024654	0.59513	-0.0368	0.4275	0.021897	0.63694
0.49443	-0.07189	0.12081	-0.13821	0.00276	-0.17461	0.00015	-0.19883	1.50E-05
0.90038	0.005063	0.9131	-0.06051	0.19176	-0.03701	0.42496	-0.01062	0.81897
0.43168	-0.01267	0.78488	-0.23923	1.68E-07	-0.16768	0.00027	-0.1438	0.00184
0.03552	0.092597	0.0455	0.128347	0.00548	0.15281	0.00092	0.206727	6.66E-06
0.10437	0.0701	0.13036	-0.1405	0.00234	-0.12139	0.00864	-0.07918	0.0874
0.87221	-0.03374	0.467	-0.00065	0.98877	-0.07144	0.12318	-0.09998	0.03076
3.71E-07	-0.05782	0.21236	-0.14013	0.0024	-0.22839	6.09E-07	-0.13613	0.0032
0.86264	0.145548	0.00161	-0.02926	0.52823	0.070219	0.12971	0.154992	0.00078
3.01E-06	0.177852	0.00011	0.185467	5.52E-05	0.200363	1.29E-05	0.294452	8.55E-11
0.06348	0.040523	0.38227	0.057219	0.21713	0.066571	0.1509	0.080571	0.08198
0.00321	0.127056	0.00597	0.098887	0.03264	0.201963	1.09E-05	0.249115	4.89E-08
0.58211	0.032603	0.48214	0.031025	0.50361	0.051248	0.26905	0.158118	0.0006
0.08259	0.026592	0.56649	0.020651	0.65622	0.186743	4.90E-05	0.281103	6.27E-10
0.68093	-0.14386	0.00183	-0.04169	0.36876	-0.02236	0.62985	-0.15491	0.00078
0.00041	0.211328	4.09E-06	0.021569	0.64199	0.047711	0.30354	0.136064	0.00322
6.96E-07	0.176297	0.00013	-0.01208	0.79466	0.068774	0.13781	0.202219	1.06E-05
0.04288	-0.00469	0.91941	-0.06687	0.14904	-0.0725	0.11767	-0.01267	0.78485
0.3386	-0.03639	0.43278	0.127932	0.00563	0.030022	0.51751	0.075493	0.10324
4.59E-07	-0.01112	0.81066	-0.03054	0.51028	-0.06501	0.16074	0.023035	0.61953

0.66199	-0.13568	0.00331	-0.13693	0.00303	-0.27503	1.50E-09	-0.25482	2.35E-08
0.38916	0.053445	0.24904	0.239669	1.59E-07	0.257391	1.67E-08	0.27001	3.03E-09
0.17257	-0.06198	0.18122	-0.21057	4.44E-06	-0.08428	0.06881	-0.20502	7.97E-06
1.15E-05	0.08071	0.08145	0.143728	0.00185	0.138511	0.0027	0.171817	0.00019
0.03004	0.117285	0.0112	0.162819	0.00041	0.157132	0.00066	0.207535	6.12E-06
0.06267	0.160777	0.00049	-0.10164	0.02808	-0.0654	0.15824	0.059515	0.19921
0.13379	-0.08123	0.0795	-0.0752	0.10456	-0.11287	0.01467	-0.16894	0.00024
0.05728	0.01368	0.76812	-0.07107	0.12514	-0.09114	0.04903	-0.02374	0.60882
0.0001	0.073086	0.11473	-0.04187	0.36669	-0.0639	0.16805	0.002363	0.95939
0.74771	0.008698	0.8513	-0.02838	0.54063	-0.09104	0.04927	-0.0333	0.47279
0.39376	0.008647	0.85216	0.003828	0.93425	-0.04216	0.36334	-0.03824	0.40974
0.07792	-0.17231	0.00018	0.076059	0.10067	-0.1159	0.0122	-0.17034	0.00022
0.92139	0.008528	0.85417	-0.01475	0.75059	0.005052	0.9133	0.005278	0.90942
3.49E-06	-0.00681	0.88337	-0.08492	0.06672	-0.05354	0.2482	-0.1013	0.02861
0.81015	-0.00753	0.87112	-0.00699	0.88022	-0.08233	0.07548	-0.04611	0.32012
0.36835	0.075519	0.10311	-0.03936	0.39613	-0.06512	0.16005	-0.01623	0.72645
1.59E-07	-0.01333	0.7738	-0.03136	0.49903	-0.02679	0.56361	-0.00387	0.93348
0.73109	0.004602	0.921	0.043809	0.34484	0.071293	0.12393	0.081125	0.07989
0.7306	-0.00514	0.91171	-0.02969	0.52211	-0.01903	0.68164	-0.00659	0.88706
0.31889	0.016782	0.71757	0.044931	0.33262	-0.03632	0.43358	-0.0082	0.85979
0.76342	0.01516	0.74385	-0.10552	0.02258	-0.09134	0.04853	-0.04364	0.34668
0.22089	-0.05849	0.20709	0.023979	0.60524	-0.01371	0.76757	-0.09314	0.04424
0.139	-0.02766	0.55103	-0.17356	0.00016	-0.20598	7.20E-06	-0.10511	0.02311
0.68701	0.233883	3.19E-07	0.071807	0.12124	0.064081	0.16681	0.194616	2.29E-05
0.45889	-0.03245	0.48424	-0.2145	2.90E-06	-0.20817	5.73E-06	-0.14567	0.0016
0.15263	-0.02859	0.53765	-0.21497	2.76E-06	-0.18658	4.97E-05	-0.19892	1.49E-05
0.69283	-0.02737	0.55516	-0.14343	0.00189	-0.15857	0.00058	-0.09396	0.0424
0.32657	0.029488	0.525	-0.01905	0.68134	-0.03836	0.40822	-0.02593	0.57624
0.46214	-0.03256	0.48269	-0.06025	0.19369	-0.05567	0.22987	-0.04164	0.36928
0.18012	-0.04854	0.2952	-0.29468	8.26E-11	-0.19466	2.27E-05	-0.26423	6.71E-09
1.46E-05	0.026896	0.56206	-0.2036	9.23E-06	-0.13898	0.00261	-0.07089	0.12606
0.20452	0.027421	0.55445	-0.18922	3.86E-05	-0.1602	0.00051	-0.07711	0.09603
5.81E-15	0.079927	0.08446	0.087075	0.06008	-0.0313	0.49979	0.046027	0.32094
0.16442	-0.07655	0.09846	0.088801	0.05515	-0.00667	0.8857	-0.11203	0.01543
0.18609	0.285013	3.54E-10	-0.02731	0.5561	0.09675	0.03661	0.223267	1.10E-06
0.90177	0.035663	0.44197	-0.03312	0.47527	-0.00053	0.99095	0.015095	0.74491
0.80683	0.001268	0.9782	-0.04084	0.37861	-0.02696	0.5612	-0.02942	0.52596
2.65E-06	-0.00594	0.8981	0.063424	0.17122	0.071736	0.12161	-0.01526	0.74223
2.77E-06	0.062131	0.18013	0.002231	0.96165	-0.06068	0.19053	0.008849	0.84874
0.14615	-0.08554	0.06476	-0.05948	0.1995	-0.04886	0.29204	-0.18122	8.21E-05
0.01432	0.073739	0.11152	0.014144	0.76048	-0.05789	0.21178	0.040894	0.37792
3.72E-05	-0.00269	0.95381	0.05659	0.22223	0.090662	0.05023	0.035079	0.44949
0.00015	0.011082	0.81122	-0.09235	0.04609	-0.07334	0.1135	-0.07426	0.10901
2.18E-07	0.002746	0.9528	-0.11529	0.01266	-0.14471	0.00172	-0.11113	0.01628
0.85508	0.011162	0.80988	-0.03347	0.47058	-0.01264	0.78525	0.027903	0.54751

0.01547	0.101651	0.02806	0.037035	0.4246	0.030297	0.51368	0.107471	0.02018
4.96E-15	0.036189	0.43527	-0.15279	0.00092	-0.14861	0.00128	-0.01059	0.81945
0.00557	-0.06155	0.18424	0.085231	0.06573	-0.06869	0.13832	-0.12505	0.00682
0.24621	-0.04345	0.34877	0.011013	0.81237	-0.10673	0.02107	-0.12339	0.00759
0.52136	0.036391	0.43271	0.220164	1.55E-06	0.15333	0.00089	0.152184	0.00097
0.90262	-0.00981	0.83247	0.007284	0.87526	-0.02677	0.56385	-0.00652	0.8883
0.40264	-0.01216	0.79322	-0.17247	0.00018	-0.11525	0.01269	-0.04819	0.29866
0.98236	0.015165	0.74378	0.109653	0.01777	0.157797	0.00062	0.140561	0.00233
0.5587	-0.00308	0.9471	0.138538	0.0027	0.2302	4.93E-07	0.278201	9.53E-10
0.06185	-0.10171	0.02797	-0.12236	0.00812	-0.18842	4.17E-05	-0.15195	0.00099
0.66555	-0.02	0.66643	-0.24878	5.11E-08	-0.13309	0.00396	-0.06126	0.18633
0.41443	-0.00802	0.86271	0.246184	7.09E-08	0.044329	0.33914	0.053647	0.24725
3.71E-10	-0.01041	0.82244	-0.07683	0.09727	-0.05312	0.25195	-0.10256	0.02668
0.45377	-0.00105	0.98203	-0.09896	0.03251	-0.06464	0.16316	-0.06713	0.14749
1.53E-05	-0.01657	0.72096	-0.05668	0.22149	-0.06712	0.14757	-0.08182	0.07732
0.66146	-0.04223	0.36252	0.459299	9.52E-26	0.262727	8.22E-09	0.17502	0.00014
0.93164	-0.10659	0.02123	-0.18482	5.87E-05	-0.11875	0.01021	-0.2595	1.27E-08
0.00895	-0.01094	0.81352	0.383055	9.06E-18	0.028492	0.53908	0.132314	0.00418
0.10002	-0.06774	0.14383	0.033716	0.4673	0.090793	0.0499	0.089512	0.05323
0.0638	0.096783	0.03654	0.172296	0.00018	0.254343	2.50E-08	0.323899	7.23E-13
2.09E-05	-0.16745	0.00028	-0.20327	9.55E-06	-0.0207	0.65552	-0.19613	1.97E-05
2.76E-06	0.253561	2.76E-08	0.025432	0.58356	0.068959	0.13675	0.195889	2.02E-05
0.40133	0.208804	5.35E-06	0.079716	0.08529	0.127605	0.00575	0.201811	1.11E-05
0.55142	-0.08892	0.05484	-0.05593	0.22768	0.008408	0.85619	-0.14787	0.00135
0.0002	0.101216	0.02874	0.202876	9.94E-06	0.319781	1.45E-12	0.319415	1.55E-12
0.23427	-0.00557	0.90446	0.235456	2.64E-07	-0.119	0.01006	-0.03854	0.406
0.90045	0.021578	0.64185	-0.00907	0.84508	-0.13351	0.00385	-0.03337	0.47191
0.97893	0.067755	0.14375	0.052044	0.26168	-0.01471	0.75128	0.053337	0.25
0.88919	0.05496	0.23585	0.118089	0.01065	0.01727	0.70972	0.04571	0.32429
0.12647	0.113009	0.01455	-0.00506	0.91313	0.031653	0.495	0.122395	0.0081
0.10068	-0.08678	0.06096	0.145682	0.0016	0.100585	0.02975	0.06711	0.14762
0.02161	0.123541	0.00752	0.034761	0.45361	0.028407	0.5403	0.214788	2.81E-06
0.88038	0.04905	0.29015	-0.05875	0.20505	-0.05642	0.22362	0.003322	0.94292
0.83249	-0.00741	0.87316	-0.10362	0.02513	-0.09962	0.03137	-0.10528	0.02289
0.22765	0.14044	0.00235	0.164132	0.00037	0.260242	1.15E-08	0.36391	4.54E-16
2.97E-09	0.0763	0.09959	0.032959	0.47737	-0.07494	0.10579	-0.01444	0.75562
0.9434	0.100103	0.03055	-0.05222	0.26006	0.06804	0.14207	0.068274	0.1407
0.0663	-0.00827	0.85857	0.051966	0.2624	0.227011	7.14E-07	0.254741	2.37E-08
7.79E-08	-0.11332	0.01428	-0.2943	8.75E-11	-0.14573	0.00159	-0.21955	1.66E-06
0.2816	0.051898	0.26303	-0.1289	0.00528	-0.0583	0.20855	-0.03822	0.40987
8.64E-05	-0.08056	0.08201	-0.07065	0.12735	-0.0379	0.4138	-0.14001	0.00243
0.15426	-0.0596	0.19854	-0.06447	0.16428	-0.1472	0.00142	-0.14561	0.0016
0.88942	0.062485	0.17766	-0.00756	0.87052	0.050135	0.27961	0.096459	0.03718
4.18E-05	0.003487	0.94009	-0.08303	0.07305	-0.08014	0.08362	-0.03412	0.46194
0.75406	-0.05302	0.25282	0.393504	9.57E-19	0.190383	3.46E-05	0.155507	0.00075



0.90244	0.004011	0.93112	-0.08238	0.07531	0.033761	0.46672	-0.01402	0.76249
0.2084	0.036654	0.42938	0.013193	0.77615	-0.0009	0.98456	0.080341	0.08286
0.00017	-0.06179	0.18253	-0.09616	0.03778	-0.25319	2.90E-08	-0.30224	2.55E-11
0.56787	-0.05139	0.26773	8.44E-05	0.99855	-0.20059	1.26E-05	-0.08393	0.06996
0.02397	0.026866	0.56251	0.081842	0.07725	0.027931	0.54712	0.011777	0.79963
1.83E-10	-0.03798	0.4129	-0.05011	0.27987	-0.11292	0.01462	-0.10557	0.0225
0.39065	-0.06073	0.19017	0.054412	0.24056	-0.10639	0.02148	-0.03318	0.4744
0.00014	0.173564	0.00016	-0.09664	0.03683	-0.12176	0.00844	-0.01181	0.79912
0.00479	0.105108	0.02311	0.119089	0.01	-0.1509	0.00107	-0.06874	0.13803
0.66212	0.042175	0.36315	-0.13193	0.00429	-0.05635	0.22422	0.005402	0.90731
0.13273	-0.07135	0.12363	0.014769	0.75024	-0.00803	0.86258	-0.07188	0.12085
0.56472	0.079737	0.08521	-0.11172	0.01572	0.008982	0.8465	0.167102	0.00029
0.96278	0.0763	0.09959	0.199994	1.33E-05	0.299187	4.11E-11	0.235342	2.68E-07
0.00014	0.073101	0.11466	-0.07979	0.085	-0.06712	0.14755	0.047927	0.30136
0.00909	-0.06119	0.18682	0.013086	0.77791	0.043408	0.34928	-0.02707	0.55959
0.00298	0.063293	0.1721	0.04639	0.31714	-0.00286	0.95083	0.030867	0.50578
0.33881	-0.01332	0.77396	0.098363	0.03358	0.058887	0.204	0.020259	0.66235
0.66875	0.032078	0.48923	-0.02343	0.6135	0.016576	0.72089	0.033788	0.46636
0.06318	0.00303	0.94793	-0.05575	0.22917	0.0421	0.36401	-0.02849	0.53908
4.92E-10	0.042861	0.35539	-0.03842	0.40751	-0.03298	0.4771	0.009	0.84619
0.79121	0.094331	0.04159	0.077901	0.09267	0.221974	1.27E-06	0.302401	2.48E-11
0.00916	0.002772	0.95236	0.097446	0.03527	0.022092	0.63394	0.010132	0.82713
0.00733	0.048644	0.29418	-0.04835	0.29712	-0.08541	0.06517	0.062082	0.18047
0.13446	-0.01028	0.82467	0.020419	0.65986	-0.05973	0.19761	-0.02061	0.6568
0.53247	0.145202	0.00165	-0.04484	0.33364	0.118505	0.01037	0.137071	0.003
0.2609	-0.16814	0.00026	-0.12849	0.00542	-0.17143	0.0002	-0.26148	9.72E-09
0.03327	0.065121	0.16002	-0.10243	0.02687	-0.09376	0.04284	-0.04276	0.35653
0.16964	0.06556	0.15722	0.014384	0.75655	0.038665	0.40449	0.148003	0.00134
0.01049	0.083644	0.07094	0.070538	0.12797	0.13735	0.00294	0.142978	0.00195
0.32091	-0.14295	0.00196	-0.23085	4.57E-07	-0.25163	3.55E-08	-0.275	1.51E-09
2.69E-13	-0.0592	0.20163	-0.0743	0.1088	-0.05608	0.22646	-0.06054	0.19153
0.68593	0.019504	0.6742	-0.11046	0.01694	-0.08512	0.06608	-0.0272	0.55766
0.69826	-0.01315	0.77685	-0.08597	0.06342	-0.00524	0.91014	-0.06593	0.15489
0.766	0.183779	6.47E-05	0.07912	0.08766	-0.02361	0.61088	0.170501	0.00021
4.80E-06	-0.0339	0.46494	0.004303	0.9261	0.148038	0.00134	0.053365	0.24975
0.26783	-0.02997	0.51828	-0.11034	0.01706	-0.13695	0.00302	-0.02764	0.5513
0.3791	0.069839	0.1318	-0.03439	0.45841	-0.0953	0.03952	-0.01085	0.81512
0.75151	0.078551	0.08997	-0.08775	0.05811	0.106405	0.02146	0.187329	4.63E-05
0.12663	0.142579	0.00201	0.067311	0.1464	0.175928	0.00013	0.276828	1.16E-09
0.11882	-0.15186	0.00099	-0.06852	0.1393	-0.12156	0.00855	-0.15426	0.00082
3.70E-06	0.27791	9.94E-10	0.006187	0.89392	0.124563	0.00704	0.364897	3.73E-16
0.55961	-0.02917	0.52951	0.025933	0.57615	-0.1065	0.02134	-0.08881	0.05513
0.24682	-0.03755	0.41818	0.033451	0.47081	-0.00485	0.91674	-0.04572	0.32422
0.08569	0.119546	0.00972	0.134383	0.00362	0.033684	0.46773	0.180465	8.79E-05
0.00057	0.11197	0.01549	0.110639	0.01676	-0.00125	0.97844	0.083523	0.07135

1.96E-13	0.108841	0.01863	-0.08037	0.08275	-0.12141	0.00863	0.00407	0.93011
0.81832	0.080688	0.08153	-0.11607	0.01207	-0.04421	0.34048	-0.03782	0.41484
0.52321	-0.03273	0.48044	0.181429	8.05E-05	0.203047	9.77E-06	0.113217	0.01437
0.30045	0.061333	0.1858	0.196382	1.92E-05	0.221522	1.33E-06	0.277593	1.04E-09
0.00557	0.041168	0.37474	-0.09496	0.04025	-0.10261	0.0266	-0.06498	0.16094
0.00142	-0.18206	7.59E-05	-0.00354	0.93922	-0.19995	1.34E-05	-0.32569	5.31E-13
0.36271	-0.11827	0.01053	0.022273	0.63116	-0.08843	0.05619	-0.14963	0.00118
0.48425	-0.07557	0.10288	-0.26925	3.37E-09	-0.19883	1.50E-05	-0.20343	9.39E-06
5.89E-07	0.123275	0.00765	-0.01362	0.76903	0.057894	0.21174	0.165897	0.00032
0.02837	-0.01105	0.81171	-0.10577	0.02225	0.050296	0.27806	0.045505	0.32647
0.26887	-0.13437	0.00362	-0.10159	0.02815	-0.20465	8.27E-06	-0.23265	3.70E-07
0.6698	-0.03762	0.41727	-0.24042	1.45E-07	-0.23382	3.22E-07	-0.21637	2.37E-06
0.2219	0.127889	0.00565	-0.01118	0.8096	-0.03664	0.42959	0.133872	0.00375
0.19546	-0.00421	0.92772	-0.12603	0.00639	-0.03607	0.43673	-0.02382	0.60756
0.02625	0.040311	0.38477	-0.02752	0.55307	-0.04205	0.3646	-0.01223	0.79203
0.41813	0.020746	0.65475	-0.06874	0.13798	-0.01163	0.80203	-0.00954	0.83702
0.55425	0.018113	0.69623	-0.09043	0.05083	-0.04835	0.29706	-0.00184	0.96843
0.57691	0.028484	0.5392	-0.01412	0.76092	0.023817	0.60768	-0.0082	0.85968
5.25E-10	-0.06749	0.14532	-0.04596	0.32161	-0.02083	0.65344	-0.05101	0.27129
0.33632	-0.03218	0.48785	0.076292	0.09963	-0.03122	0.50092	-0.06885	0.1374
0.13713	0.120175	0.00934	0.097554	0.03507	0.171425	0.0002	0.264921	6.11E-09
0.03833	0.029894	0.5193	0.040487	0.38269	0.223547	1.06E-06	0.058441	0.20744
7.46E-10	0.090143	0.05157	0.024115	0.6032	0.020345	0.66101	0.090966	0.04946
1.36E-09	-0.15825	0.0006	-0.11977	0.00958	-0.29249	1.15E-10	-0.3832	8.79E-18
0.92759	0.027911	0.5474	-0.10852	0.01899	-0.02142	0.64433	0.005886	0.89905
3.48E-08	-0.03342	0.47126	0.163435	0.00039	0.065067	0.16037	-0.00851	0.85443
0.10288	0.009209	0.84267	-0.159	0.00056	-0.0985	0.03333	-0.09552	0.03908
0.00014	0.076853	0.09715	-0.04013	0.38686	0.04943	0.28643	0.062969	0.17432
0.0686	0.0272	0.55766	-0.14591	0.00157	-0.08187	0.07714	-0.05422	0.24222
0.00394	0.077548	0.09416	0.009698	0.83443	-0.06789	0.14296	0.005595	0.90402
1.77E-11	0.198045	1.62E-05	0.18398	6.35E-05	0.055664	0.2299	0.139097	0.00259
0.89247	-0.12317	0.0077	-0.13108	0.00455	-0.17201	0.00019	-0.24275	1.09E-07
0.18497	-0.20737	6.23E-06	-0.15644	0.00069	-0.28072	6.62E-10	-0.32701	4.23E-13
4.94E-07	0.02245	0.62845	-0.00108	0.9815	0.002826	0.95144	0.021875	0.63727
0.00037	-0.00823	0.85929	0.068232	0.14095	-0.03607	0.43682	-0.03253	0.48309
0.02091	0.031195	0.50128	0.088689	0.05546	-0.02866	0.53676	0.019977	0.66677
0.27634	-0.02549	0.58262	-0.09445	0.04134	-0.08309	0.07283	-0.12418	0.00721
0.0121	-0.21489	2.78E-06	-0.29246	1.16E-10	-0.16401	0.00037	-0.2916	1.32E-10
0.80995	-0.0029	0.95016	-0.12762	0.00575	0.061832	0.18224	0.036862	0.42677
3.85E-05	-0.19821	1.60E-05	-0.23535	2.68E-07	-0.16143	0.00046	-0.2775	1.05E-09
0.07878	-0.02413	0.60293	0.122305	0.00815	0.094074	0.04215	0.037781	0.41532
1.87E-07	-0.0192	0.67905	0.02606	0.57429	-0.03475	0.4538	-0.05569	0.22971
0.0041	-0.24735	6.12E-08	0.127702	0.00572	0.106281	0.02161	-0.10279	0.02634
0.18945	0.0814	0.07887	0.101945	0.0276	0.075409	0.10362	0.107246	0.02044
0.00675	0.150066	0.00114	-0.00444	0.92384	-0.00699	0.88017	0.020539	0.65798

0.00628	0.047536	0.30532	-0.15406	0.00084	-0.13822	0.00276	-0.08085	0.08093
0.00057	-0.02076	0.65453	0.259183	1.32E-08	0.118602	0.01031	0.034649	0.45508
0.00486	-0.13329	0.00391	-0.07278	0.11629	-0.18113	8.27E-05	-0.29557	7.21E-11
0.00014	-0.14939	0.0012	-0.14236	0.00204	-0.1432	0.00192	-0.25154	3.59E-08
0.97664	0.222513	1.19E-06	0.092009	0.0469	0.080766	0.08124	0.195832	2.03E-05
3.77E-06	0.453841	4.16E-25	-0.10631	0.02158	-0.11858	0.01033	0.006179	0.89406
0.00046	0.036322	0.43359	-0.24828	5.44E-08	-0.18987	3.63E-05	-0.12199	0.00832
0.00262	0.063224	0.17257	-0.07725	0.09544	-0.04803	0.30036	0.009608	0.83594
5.02E-08	-0.12411	0.00725	-0.19835	1.58E-05	-0.18742	4.59E-05	-0.27914	8.33E-10
0.11564	-0.05127	0.26882	-0.10194	0.02762	-0.08433	0.06864	-0.09257	0.04557
0.00019	0.092064	0.04677	-0.07908	0.08783	0.006792	0.88361	0.045705	0.32434
0.29707	0.060215	0.19396	-0.02419	0.60202	-0.04391	0.34378	-0.01837	0.69218
0.03379	0.117548	0.01101	-0.03353	0.46983	-0.02467	0.59486	0.018208	0.69471
3.17E-13	-0.00859	0.85307	0.139247	0.00256	-0.00901	0.84596	0.010056	0.82842
0.35689	0.043749	0.3455	0.035818	0.43999	0.09398	0.04236	0.126231	0.0063
0.2708	0.072131	0.11956	0.093203	0.0441	0.066314	0.15249	0.084558	0.0679
0.04153	0.105545	0.02254	0.070001	0.13091	0.077152	0.09586	0.102953	0.0261
0.88844	0.032545	0.48292	-0.00275	0.95271	0.056995	0.21894	0.016022	0.72985
0.64858	-0.09333	0.04382	-0.08463	0.06765	-0.25097	3.86E-08	-0.26757	4.25E-09
9.43E-07	0.091586	0.04792	0.116161	0.012	0.100378	0.03009	0.176048	0.00013
0.00321	0.061129	0.18727	0.05062	0.27497	-0.06315	0.17309	-0.00316	0.94563
0.50379	0.188282	4.23E-05	0.009473	0.83821	-0.11452	0.01328	0.083362	0.07189
0.19381	-0.01856	0.6891	-0.22799	6.38E-07	-0.10264	0.02656	-0.07714	0.09592
0.12788	-0.23473	2.88E-07	0.039444	0.39508	-0.09074	0.05002	-0.27101	2.64E-09
0.29478	-0.18309	6.90E-05	-0.11134	0.01608	0.011698	0.80095	-0.1501	0.00114
0.1998	0.105084	0.02314	-0.00748	0.87197	-0.01327	0.77479	0.041299	0.37322
0.77954	0.183644	6.55E-05	0.10482	0.02349	0.16212	0.00044	0.288265	2.18E-10
0.3084	-0.11403	0.01368	-0.15319	0.0009	-0.18698	4.79E-05	-0.25627	1.94E-08
0.02796	0.049802	0.28281	0.122811	0.00789	-0.04376	0.34535	-0.03712	0.42353
0.00064	0.060707	0.19034	-0.11583	0.01225	-0.09478	0.04064	0.004843	0.91687
0.08569	0.010663	0.81824	-0.07694	0.09677	-0.08725	0.05957	0.034863	0.45229
0.00266	-0.0389	0.4016	-0.1461	0.00155	-0.16003	0.00052	-0.11802	0.01069
0.0025	0.101655	0.02805	0.111999	0.01546	0.306743	1.24E-11	0.22271	1.17E-06
0.70589	-0.03268	0.48106	-0.03163	0.49535	-0.11287	0.01467	-0.11154	0.01589
0.02397	0.098385	0.03354	0.050074	0.28019	0.122288	0.00816	0.188937	3.97E-05
2.55E-08	-0.11081	0.0166	-0.11751	0.01104	-0.04209	0.36408	-0.18385	6.43E-05
2.56E-07	-0.02762	0.55155	0.077158	0.09583	0.068956	0.13677	-0.05087	0.27262
0.04149	-0.07912	0.08767	-0.05162	0.26555	0.029601	0.52341	-0.06653	0.15113
0.6114	0.155014	0.00078	-0.06663	0.15056	0.00415	0.92873	0.11414	0.01358
1.58E-06	-0.14961	0.00118	-0.06294	0.17451	-0.10614	0.02179	-0.19246	2.83E-05
5.38E-06	0.022106	0.63373	-0.02807	0.54513	-0.08442	0.06835	-0.03329	0.47293
0.03763	0.067186	0.14715	-0.02066	0.65611	-0.02665	0.56564	-0.02444	0.59832
0.231	0.07627	0.09972	0.083536	0.0713	0.222726	1.17E-06	0.235894	2.51E-07
0.0012	-0.21083	4.31E-06	0.076049	0.10071	-0.05754	0.21454	-0.10325	0.02567
2.92E-06	0.00761	0.86973	-0.03777	0.41546	-0.08475	0.06729	-0.06641	0.15188

0.04163	0.06426	0.16563	-0.035	0.45052	-0.07538	0.10375	0.00042	0.99279
7.14E-07	0.093525	0.04337	0.035611	0.44264	-0.01625	0.72618	0.146402	0.00151
0.003	0.046469	0.31632	0.084898	0.06679	0.021227	0.64728	0.05764	0.21375
4.02E-05	-0.0095	0.83775	-0.17131	0.0002	-0.15178	0.001	-0.12426	0.00718
0.02175	0.005662	0.90288	0.0368	0.42756	-0.0154	0.74001	0.037089	0.42393
0.65227	0.030567	0.50993	-0.05109	0.27054	-0.02631	0.57058	-0.07311	0.11459
4.95E-06	-0.06659	0.15076	-0.12669	0.00611	-0.02998	0.51811	-0.04348	0.34846
0.17456	0.113087	0.01448	-0.06584	0.15546	-0.08369	0.07079	0.086344	0.06227
0.44475	-0.07235	0.11842	-0.00365	0.93726	-0.09687	0.03637	-0.06995	0.13119
0.04144	-0.22217	1.24E-06	-0.15594	0.00072	-0.20918	5.14E-06	-0.37982	1.79E-17
0.72255	-0.04739	0.30686	-0.23683	2.24E-07	-0.19071	3.35E-05	-0.1491	0.00123
0.94788	-0.03098	0.50421	0.027389	0.55491	-0.06563	0.15677	-0.06539	0.15832
3.15E-05	-0.01145	0.80506	0.22462	9.40E-07	-0.05642	0.22361	0.022963	0.62062
0.93351	-0.00718	0.87696	-0.02511	0.58835	-0.00049	0.99163	-0.02343	0.61356
0.00239	0.140203	0.00239	0.053144	0.25172	0.149747	0.00117	0.263636	7.27E-09
0.52973	0.369306	1.55E-16	0.002122	0.96352	0.14575	0.00159	0.372263	8.49E-17
0.00345	0.222544	1.19E-06	0.000781	0.98657	0.245008	8.21E-08	0.297311	5.51E-11
0.35416	0.01288	0.78132	-0.02516	0.58757	-0.01307	0.77817	-0.03857	0.40569
0.79142	0.110503	0.0169	0.345698	1.48E-14	0.265691	5.50E-09	0.34729	1.10E-14
0.9676	-0.15457	0.0008	-0.2202	1.55E-06	-0.09809	0.03407	-0.16058	0.0005
0.03231	0.007437	0.87265	0.017413	0.70742	-0.03045	0.51154	-0.0382	0.41021
0.81666	0.037747	0.41574	0.01436	0.75694	0.052485	0.25765	0.135166	0.00343
0.35038	-0.00574	0.90156	0.008618	0.85264	-0.04022	0.38579	0.002433	0.95818
0.52967	-0.00239	0.95898	0.03421	0.46081	-0.00053	0.99083	-0.0101	0.82766
0.34485	-0.02889	0.53339	0.044192	0.34064	-0.02825	0.54247	-0.02471	0.59427
0.37516	-0.03723	0.42218	0.088417	0.05622	-0.02278	0.62346	-0.00967	0.83496
0.53971	0.024936	0.59091	0.093941	0.04244	0.046373	0.31731	0.037747	0.41574
0.80399	0.014931	0.74759	0.035442	0.44481	0.045363	0.32799	0.061021	0.18805
0.02751	0.138693	0.00267	0.077748	0.09331	0.1166	0.01168	0.14791	0.00135
0.42488	-0.0692	0.13539	-0.07273	0.11654	-0.05334	0.24998	-0.14185	0.00212
0.49085	-0.00672	0.88483	0.027264	0.55672	0.039893	0.38972	0.016268	0.72587
0.64429	-0.02875	0.53535	0.025565	0.58159	-0.05854	0.20671	-0.04689	0.3119
0.88617	0.086851	0.06074	-0.03685	0.42695	0.019826	0.66913	0.080428	0.08252
5.37E-06	0.062474	0.17773	0.033854	0.46548	0.019039	0.68153	0.030878	0.50564
0.52872	-0.06815	0.14141	-0.12328	0.00765	-0.11161	0.01583	-0.15855	0.00058
0.08026	-0.02163	0.64097	0.05222	0.26007	0.001289	0.97784	-0.0039	0.93294
0.98252	-0.02607	0.57418	-0.03169	0.49444	-0.02714	0.55853	-0.05048	0.27634
0.39677	0.022589	0.62633	-0.01377	0.76663	-0.00722	0.87634	0.007126	0.87794
0.21076	-0.03616	0.43558	0.11089	0.01652	0.003136	0.94612	0.000113	0.99806
0.76537	-0.00601	0.897	-0.02398	0.60525	-0.00652	0.88833	-0.01062	0.81902
0.18082	-0.00018	0.99683	-0.04207	0.36441	-0.01494	0.74738	-0.04044	0.3833
0.32572	0.083549	0.07126	-0.06754	0.145	-0.033	0.47684	0.026442	0.56869
0.62656	-0.00278	0.95222	-0.06173	0.18294	-0.00709	0.87863	0.037918	0.41363
4.99E-09	0.151188	0.00105	-0.10339	0.02547	0.023653	0.61016	0.171791	0.00019
0.63659	-0.03302	0.47661	-0.06526	0.15916	-0.10494	0.02333	-0.09504	0.04007

0.05184	-0.02334	0.61496	-0.053	0.25301	-0.0906	0.05038	-0.09162	0.04784
0.43814	-0.04302	0.35361	-0.13475	0.00353	-0.13722	0.00296	-0.15017	0.00113
0.11842	0.151291	0.00104	0.143405	0.00189	0.259582	1.25E-08	0.337159	7.05E-14
0.00959	0.131216	0.00451	0.006139	0.89473	-0.00116	0.98008	0.092395	0.04598
0.08229	-0.0404	0.38373	0.159469	0.00054	0.047021	0.31059	0.051577	0.26599
0.39834	-0.04819	0.2987	-0.11375	0.01391	-0.09457	0.04108	-0.12023	0.0093
0.98783	-0.05208	0.26134	-0.12341	0.00759	-0.10164	0.02807	-0.11605	0.01209
0.20211	-0.03232	0.48601	-0.04924	0.28831	-0.06187	0.18194	-0.09512	0.03991
1.01E-06	-0.00431	0.92597	0.051978	0.26228	0.001721	0.97042	0.033337	0.47234
0.03029	-0.08016	0.08355	-0.09407	0.04217	-0.13069	0.00467	-0.12752	0.00579
0.5061	0.056744	0.22097	0.013798	0.76616	0.043748	0.34552	0.084555	0.06791
0.01133	0.021853	0.63761	0.019388	0.67602	0.063803	0.16867	0.101295	0.02861
0.2429	-0.01229	0.79108	0.002771	0.95238	-0.02183	0.63802	-0.05079	0.27336
0.54149	-0.01764	0.70373	-0.16214	0.00044	-0.0906	0.05038	-0.08547	0.06499
0.69744	0.042248	0.36232	0.0596	0.19856	-0.01769	0.70302	0.021926	0.6365
0.96956	-0.05515	0.23426	-0.01692	0.71541	-0.13906	0.0026	-0.13448	0.0036
0.87528	0.003733	0.93587	-0.0804	0.08265	-0.10034	0.03016	-0.06805	0.14203
2.97E-07	-0.04188	0.36653	-0.11052	0.01688	-0.17235	0.00018	-0.14803	0.00134
0.54621	-0.03497	0.45085	0.040795	0.37908	0.059508	0.19926	0.024811	0.59277
0.0458	-0.03691	0.42615	-0.02258	0.62649	-0.05123	0.26924	-0.0666	0.15072
0.76823	-0.0045	0.92273	0.062171	0.17985	0.052665	0.25602	0.025286	0.58572
0.7456	0.003997	0.93135	-0.03543	0.44499	-0.07457	0.10755	-0.00622	0.89336
0.99965	-0.01208	0.79455	0.053214	0.2511	-0.04656	0.3154	-0.00103	0.98221
0.28299	0.047643	0.30423	-0.03036	0.51277	-0.03772	0.41613	-0.01837	0.69216
0.68974	-0.02153	0.64256	0.046442	0.3166	0.027875	0.54791	-0.00443	0.9239
0.03895	-0.0694	0.13428	-0.09978	0.03109	-0.1377	0.00286	-0.14978	0.00117
0.807	0.030026	0.51745	0.093379	0.0437	0.031585	0.49593	0.10431	0.02418
0.34173	-0.01845	0.69086	0.121202	0.00875	0.10056	0.0298	0.11466	0.01316
0.50509	-0.0393	0.39682	-0.06434	0.1651	-0.06323	0.17252	-0.0397	0.39198
0.90595	0.043612	0.34702	-0.04036	0.38413	-0.01559	0.73686	0.015375	0.74035
0.23292	-0.03353	0.46974	-0.1624	0.00043	-0.04091	0.37778	-0.01491	0.74785
0.54901	-0.01597	0.73073	-0.04627	0.31841	-0.04369	0.3462	-0.05399	0.24428
0.51748	0.020544	0.6579	0.127397	0.00583	0.00648	0.88894	0.027191	0.55779
5.41E-12	0.02049	0.65874	-0.06001	0.19548	-0.08315	0.07262	-0.04686	0.31225
0.69196	-0.01492	0.74785	-0.11488	0.01299	0.014616	0.75274	-0.01233	0.79049
5.23E-12	0.068299	0.14056	0.07132	0.12379	0.068054	0.14199	0.045689	0.32452
0.48812	-0.03331	0.47275	0.028344	0.5412	0.042561	0.35877	0.015039	0.74583
0.00013	-0.03413	0.46185	0.023062	0.61911	-0.01658	0.72075	-0.02295	0.62082
4.99E-07	-0.01236	0.78986	-0.0104	0.82259	-0.04654	0.31558	-0.00267	0.95404
0.72772	-0.04489	0.33301	-0.13121	0.00451	-0.11656	0.01171	-0.11768	0.01092
0.07453	-0.00158	0.97286	-0.06517	0.15974	-0.06048	0.19203	-0.0246	0.59587
0.79196	0.006526	0.88815	0.034221	0.46067	0.042583	0.35853	0.063658	0.16964
0.82275	0.079667	0.08548	0.026338	0.57021	-0.01	0.82941	0.041309	0.3731
0.00175	0.131201	0.00451	0.089271	0.05387	0.147063	0.00144	0.200167	1.31E-05
0.75401	0.006	0.8971	-0.04716	0.30917	0.02927	0.52806	0.011103	0.81086

0.12338	0.017464	0.70661	-0.01029	0.82452	0.033859	0.46542	0.041861	0.36674
6.16E-14	0.034343	0.45907	-0.06073	0.1902	-0.05145	0.26713	0.030817	0.50648
0.06439	-0.00277	0.95241	0.005985	0.89737	0.011611	0.8024	-0.01978	0.66988
0.71475	0.027849	0.54829	0.066789	0.14956	-0.03389	0.46507	-0.06195	0.18142
0.79502	-0.01716	0.71153	-0.0177	0.70288	0.029014	0.53168	-0.00251	0.95683
0.50108	-0.02524	0.58638	-0.02196	0.63604	-0.06972	0.13249	-0.06171	0.18307
0.00993	0.057723	0.21309	0.100444	0.02999	0.109936	0.01747	0.170288	0.00022
0.32364	0.091423	0.04832	0.083182	0.07251	0.043579	0.34739	0.054496	0.23984
0.94655	0.000587	0.9899	0.007395	0.87337	0.033719	0.46727	-0.01035	0.82345
0.66994	-0.01894	0.68305	0.053096	0.25214	0.021757	0.63909	0.032303	0.48619
0.35545	-0.04459	0.33634	-0.00455	0.92195	-0.10047	0.02994	-0.09289	0.04481
0.8773	-0.0594	0.20007	-0.14527	0.00165	-0.11672	0.01159	-0.11708	0.01134
0.73602	-0.0167	0.71881	0.027051	0.55982	-0.03749	0.41892	-0.01848	0.69039
0.23827	0.191125	3.22E-05	-0.19756	1.71E-05	-0.01097	0.81312	0.102721	0.02644
0.06201	-0.00421	0.92763	0.011297	0.80763	-0.03544	0.44489	-0.0465	0.31604
0.7729	-0.02043	0.65968	0.01957	0.67316	-0.06032	0.19316	-0.04667	0.31419
0.00021	0.135679	0.00331	-0.06272	0.17605	0.033596	0.4689	0.122711	0.00794
0.06525	-0.04	0.38849	0.029749	0.52133	-0.02265	0.62536	-0.02267	0.62503
0.96702	-0.02091	0.65215	-0.02015	0.66403	0.019274	0.67782	-0.02213	0.6333
0.67491	-0.02652	0.56751	-0.03274	0.48032	-0.06848	0.13953	-0.03303	0.47645
0.02559	-0.00491	0.91568	0.021135	0.64871	-0.06482	0.162	0.01479	0.74989
0.34122	0.010346	0.82355	0.010599	0.81931	0.000872	0.985	0.057259	0.2168
0.31729	-0.0319	0.49167	-0.07059	0.12771	-0.03899	0.40059	-0.0156	0.7367
0.14495	0.176296	0.00013	-0.06272	0.176	0.079144	0.08756	0.164341	0.00036
0.90538	-0.02199	0.63555	-0.17311	0.00017	-0.17528	0.00014	-0.15376	0.00086
0.59135	-0.01729	0.70936	-0.00701	0.87992	-0.01193	0.79708	-0.04444	0.33797
0.39532	-0.04605	0.32068	0.104509	0.02391	-0.03215	0.48822	-0.00531	0.90889
0.60328	0.076708	0.09779	-0.00751	0.87136	0.029806	0.52053	0.047118	0.3096
5.51E-10	-0.00447	0.92332	-0.16147	0.00046	-0.18944	3.78E-05	-0.15919	0.00055
0.17459	-0.02926	0.52818	-0.09549	0.03913	-0.08256	0.07469	-0.08201	0.07664
0.27286	0.05075	0.27374	0.053374	0.24967	0.173235	0.00017	0.089143	0.05422
0.00674	0.14386	0.00183	-0.06902	0.1364	0.0509	0.27232	0.178327	0.00011
0.77679	-0.01319	0.77626	-0.01793	0.69916	-0.05537	0.2324	-0.02955	0.52417
0.63083	0.012208	0.79246	-0.11771	0.01091	-0.0684	0.13999	-0.04759	0.30476
0.00333	-0.03101	0.50377	-0.03404	0.46298	0.082357	0.0754	-0.02256	0.62683
0.01663	0.001942	0.96662	0.044343	0.33899	0.007124	0.87798	0.047152	0.30925
7.17E-07	0.009212	0.84262	-0.17217	0.00019	-0.10286	0.02624	-0.11684	0.01151
0.54776	-0.04089	0.37797	-0.06233	0.17871	-0.12182	0.00841	-0.09706	0.03601
0.85035	-0.03359	0.46892	0.048468	0.29593	0.056514	0.22285	0.031998	0.49031
0.98577	0.035686	0.44168	0.035077	0.44952	0.092565	0.04558	0.149568	0.00119
0.40755	0.006334	0.89142	0.030789	0.50687	-0.01883	0.68479	-0.0463	0.3181
0.70558	-0.09643	0.03725	-0.02599	0.57525	-0.14909	0.00123	-0.15344	0.00088
0.90423	-0.00054	0.99079	0.044397	0.3384	0.051359	0.26802	0.057342	0.21613
0.0243	-0.04397	0.34311	-0.17993	9.23E-05	-0.17548	0.00014	-0.16571	0.00032
4.29E-07	0.043589	0.34727	-0.02342	0.61365	0.076794	0.09741	0.080223	0.08331

0.82376	-0.02274	0.62403	-0.02094	0.65166	-0.02893	0.53282	-0.01358	0.76971
0.43424	0.082827	0.07375	0.05503	0.23526	0.085158	0.06596	0.161311	0.00047
6.72E-05	0.008316	0.85776	0.019646	0.67196	0.011013	0.81237	0.012714	0.78407
0.93307	0.004563	0.92166	0.037041	0.42452	0.059686	0.19792	0.040255	0.38542
0.98667	0.00924	0.84215	-0.09376	0.04285	-0.12826	0.00551	-0.08566	0.06437
0.0935	-0.05411	0.2432	0.032325	0.4859	-0.09082	0.04983	-0.0875	0.05885
0.15601	0.052509	0.25743	-0.02922	0.52879	0.024721	0.59411	0.122781	0.0079
0.49619	-0.04303	0.35344	-0.04595	0.32177	-0.01585	0.73261	-0.0269	0.562
0.00347	0.048021	0.3004	-0.07017	0.12996	-0.09808	0.03409	-0.06209	0.18043
5.79E-05	0.009627	0.83563	0.038135	0.41097	-0.0477	0.3037	0.061041	0.18791
0.80305	-0.00525	0.90983	-0.07381	0.11116	-0.00124	0.97864	-0.02794	0.547
3.03E-05	0.064364	0.16494	-0.01297	0.77984	0.056078	0.22644	0.043128	0.3524
0.36869	0.063102	0.1734	-0.04724	0.30834	-0.01991	0.66775	-0.04312	0.35253
0.04148	0.042794	0.35615	-0.08469	0.06746	-0.03766	0.41686	-0.05182	0.26372
0.50368	0.043507	0.34818	0.065936	0.15485	0.0738	0.11122	0.127263	0.00589
0.92634	0.03955	0.39381	-0.07409	0.10983	-0.03785	0.41444	0.026602	0.56636
0.13511	0.002096	0.96397	-0.13969	0.00248	-0.13241	0.00415	-0.05674	0.22099
0.74795	-0.03192	0.4914	-0.05708	0.21826	-0.04605	0.32069	-0.05262	0.25645
0.93536	0.01735	0.70843	0.01396	0.7635	-0.0161	0.72852	-0.01364	0.76882
0.91243	-0.06081	0.1896	-0.1432	0.00192	-0.06783	0.14331	-0.11359	0.01404
0.00197	0.118176	0.01059	0.237687	2.02E-07	0.29674	6.01E-11	0.339859	4.33E-14
2.88E-05	0.010269	0.82485	-0.19561	2.07E-05	-0.16674	0.0003	-0.0985	0.03333
6.07E-06	-0.25932	1.30E-08	0.011487	0.80445	-0.16138	0.00046	-0.31303	4.48E-12
1.79E-06	-0.01519	0.7433	-0.22375	1.04E-06	-0.11089	0.01651	-0.12374	0.00742
0.81945	0.025934	0.57614	-0.14439	0.00176	0.037482	0.41903	0.081459	0.07865
0.04758	0.058608	0.20615	0.011112	0.81072	-0.0007	0.98793	0.021372	0.64504
0.0056	0.131335	0.00447	-0.02443	0.59851	0.015877	0.7322	0.062417	0.17813
0.60898	0.043376	0.34964	0.08888	0.05494	0.008386	0.85658	0.02993	0.5188
0.2786	0.032804	0.47945	-0.07921	0.0873	-0.112	0.01546	-0.08257	0.07466
5.58E-13	0.025797	0.57815	0.013853	0.76527	-0.01597	0.73067	0.012822	0.78227
0.1721	0.053155	0.25162	0.146566	0.00149	0.001069	0.98162	0.035509	0.44395
0.05974	-0.02447	0.59791	0.103699	0.02503	0.178918	0.0001	0.17004	0.00022
4.92E-06	-0.08323	0.07236	0.077121	0.09599	-0.00017	0.99704	0.052668	0.25599
0.16653	0.085047	0.06631	0.022771	0.62354	0.096012	0.03807	0.152312	0.00096
0.22824	-0.02699	0.56074	0.043734	0.34567	0.016541	0.72146	-0.06224	0.1794
0.31389	0.006045	0.89634	-0.05689	0.21976	-0.04898	0.29088	-0.05257	0.25684
0.52803	0.00325	0.94415	-0.00217	0.96263	-0.03985	0.39025	-0.03185	0.4923
0.92047	0.091897	0.04717	0.036777	0.42784	0.021905	0.63682	0.07319	0.11422
8.48E-06	-0.09539	0.03935	0.224124	9.94E-07	-0.0829	0.07348	-0.18875	4.04E-05
0.39414	-0.112	0.01545	-0.01513	0.74441	0.013943	0.76379	-0.12245	0.00807
1.18E-05	-0.12519	0.00675	-0.09471	0.04076	-0.13515	0.00343	-0.22544	8.55E-07
0.00035	-0.09526	0.03961	-0.04556	0.32588	-0.01868	0.68724	-0.00252	0.95667
0.0308	-0.07008	0.13046	0.22044	1.51E-06	0.199639	1.38E-05	0.101534	0.02824
0.35981	0.019667	0.67163	0.07335	0.11342	-0.0274	0.55482	-0.00948	0.83807
0.78608	0.013376	0.77312	-0.07643	0.09901	-0.09799	0.03426	-0.11826	0.01054

0.00602	0.182293	7.43E-05	0.030194	0.51511	0.21343	3.26E-06	0.310898	6.35E-12
0.00024	0.126147	0.00634	0.020819	0.65361	0.083062	0.07293	0.222524	1.19E-06
0.65346	0.020181	0.66358	0.038311	0.40881	0.037354	0.42062	0.072017	0.12015
0.11054	0.086602	0.06148	-0.17355	0.00016	-0.12757	0.00577	-0.02973	0.52159
0.04694	-0.05832	0.20836	0.061386	0.18542	-0.05611	0.22617	-0.10806	0.0195
0.06857	-0.2132	3.34E-06	-0.23641	2.36E-07	-0.26241	8.58E-09	-0.30553	1.51E-11
0.00514	-0.08593	0.06352	0.020328	0.66128	0.025761	0.5787	-0.07837	0.0907
0.00016	-0.15572	0.00073	-0.04457	0.33651	0.03624	0.43462	-0.07198	0.12035
0.96108	2.45E-05	0.99958	-0.20066	1.25E-05	-0.13536	0.00338	-0.07743	0.09468
7.32E-07	-0.08403	0.06962	-0.06101	0.18811	0.013749	0.76698	-0.09674	0.03663
0.03159	-0.08994	0.05209	0.124938	0.00687	-0.06437	0.16494	-0.10892	0.01854
0.82575	0.079287	0.08699	0.077583	0.09401	0.069656	0.13282	0.06363	0.16982
0.07909	-0.17295	0.00017	-0.18398	6.35E-05	-0.08924	0.05397	-0.29228	1.19E-10
0.91532	-0.1359	0.00325	-0.14952	0.00119	-0.07387	0.11089	-0.25146	3.63E-08
0.11424	-0.1063	0.02159	-0.14751	0.00139	-0.04166	0.36904	-0.19896	1.48E-05
0.30506	-0.08609	0.06305	-0.15074	0.00109	-0.02718	0.55799	-0.17335	0.00017
7.90E-08	-0.06237	0.17845	-0.04593	0.322	-0.10881	0.01867	-0.07176	0.12147
0.00015	0.10248	0.02679	-0.00243	0.9582	0.086689	0.06122	0.114021	0.01368
0.14616	0.003691	0.93659	-0.12647	0.00621	-0.10409	0.02448	-0.08842	0.05621
0.96744	0.006453	0.88938	-0.0018	0.96909	-0.02656	0.567	-0.00717	0.87711
0.00195	0.035677	0.44179	0.023163	0.61758	-0.07712	0.09598	-0.01634	0.72473
0.38281	-0.01355	0.77027	0.13307	0.00397	0.089553	0.05312	0.18154	7.97E-05
0.01389	-0.01018	0.82627	-0.05638	0.22395	0.042945	0.35445	0.175484	0.00014
0.80853	0.044724	0.33485	0.489536	1.63E-29	0.350856	5.65E-15	0.305551	1.51E-11
0.59942	0.117304	0.01118	0.092874	0.04486	-0.08464	0.06762	0.062173	0.17983
3.57E-06	-0.17215	0.00019	-0.14822	0.00132	-0.2475	6.00E-08	-0.31465	3.43E-12
0.01248	-0.03491	0.45162	-0.07674	0.09766	-0.12131	0.00868	-0.08109	0.08002
0.88196	-0.03226	0.48683	-0.16446	0.00036	-0.13728	0.00295	-0.136	0.00323
0.18	0.154274	0.00082	0.162464	0.00042	0.225575	8.42E-07	0.218803	1.81E-06
0.00387	0.034221	0.46067	0.083944	0.06993	-0.00779	0.8666	-0.02071	0.65533
0.50955	-0.09004	0.05183	-0.2388	1.77E-07	-0.14909	0.00123	-0.15716	0.00065
0.37675	0.119487	0.00975	0.058695	0.20548	0.124427	0.0071	0.172584	0.00018
0.00127	-0.17386	0.00016	0.092197	0.04645	-0.00742	0.87292	-0.20912	5.18E-06
0.52014	-0.07051	0.1281	0.208232	5.69E-06	-0.01916	0.67969	0.021393	0.64471
1.02E-14	-0.20606	7.14E-06	-0.11162	0.01581	-0.09156	0.04798	-0.28691	2.67E-10
0.78836	0.079659	0.08551	-0.08694	0.06048	-0.08146	0.07867	-0.00891	0.8478
3.46E-05	0.073326	0.11354	-0.09176	0.0475	-0.0563	0.2246	-0.12594	0.00643
0.86559	0.145329	0.00164	0.127298	0.00587	0.007457	0.87232	0.113474	0.01415
1.49E-06	-0.06653	0.15118	0.026275	0.57114	-0.08799	0.05743	-0.12155	0.00855
0.31238	0.08726	0.05953	0.290263	1.62E-10	0.179622	9.50E-05	0.208734	5.39E-06
0.19205	0.050472	0.27638	0.123323	0.00763	0.038954	0.40098	0.063142	0.17313
0.25602	0.025798	0.57814	0.190747	3.34E-05	0.132644	0.00409	0.185528	5.49E-05
0.61399	0.018251	0.69403	-0.16903	0.00024	-0.10171	0.02797	-0.06994	0.13125
0.77976	0.003724	0.93603	-0.16819	0.00026	-0.10309	0.0259	-0.06706	0.14793
0.34284	-0.06982	0.1319	-0.19411	2.40E-05	-0.11726	0.01122	-0.15531	0.00076



0.06182	0.013019	0.77902	0.023803	0.6079	-0.05074	0.27387	-0.03839	0.40788
0.21097	0.109247	0.0182	0.077694	0.09354	0.03352	0.4699	0.044736	0.33472
2.93E-06	-0.0118	0.79922	0.083536	0.0713	0.125866	0.00646	0.042266	0.36211
0.08986	0.144649	0.00172	0.126762	0.00609	0.171843	0.00019	0.229137	5.58E-07
0.09267	0.13364	0.00381	-4.75E-06	0.99992	-0.03462	0.45546	0.071749	0.12154
0.0023	0.174543	0.00015	0.224034	1.00E-06	0.123599	0.00749	0.265255	5.83E-09
2.54E-15	0.138987	0.00261	-0.0091	0.84445	-0.04131	0.37313	0.109632	0.01779
3.14E-07	0.062475	0.17773	0.089139	0.05423	0.005727	0.90177	0.081838	0.07727
0.7578	0.102262	0.02712	-0.26052	1.10E-08	-0.07482	0.10635	0.020121	0.66451
0.86391	0.029571	0.52383	-0.05101	0.27133	0.051871	0.26327	0.040883	0.37805
0.00366	0.088535	0.05589	-0.02481	0.59276	-0.04531	0.32852	0.034211	0.4608
3.78E-05	0.1171	0.01133	0.012112	0.79405	-0.03662	0.4298	0.023156	0.61769
0.01494	0.047328	0.30744	0.020604	0.65697	-0.04264	0.35792	-0.02882	0.53437
0.75451	-0.03399	0.46365	0.251753	3.49E-08	0.20986	4.79E-06	0.232885	3.59E-07
1.29E-11	0.032207	0.48749	0.008022	0.86274	-0.1288	0.00531	-0.02948	0.52507
0.47341	-0.09662	0.03686	-0.11424	0.0135	-0.25825	1.49E-08	-0.2138	3.13E-06
0.53985	-0.19132	3.16E-05	-0.28755	2.43E-10	-0.19516	2.17E-05	-0.27969	7.70E-10
0.05553	-0.15123	0.00104	-0.02422	0.60165	-0.07329	0.11372	-0.20657	6.77E-06
1.19E-08	-0.08607	0.0631	-0.04321	0.35144	-0.13864	0.00268	-0.14965	0.00118
0.07518	0.032672	0.48121	0.225051	8.95E-07	-0.0086	0.85287	0.102927	0.02613
0.16216	0.033171	0.47454	0.090284	0.0512	0.04238	0.36082	0.127091	0.00595
0.29581	0.011831	0.79872	0.023845	0.60726	-0.07683	0.09724	-0.02049	0.65871
1.61E-05	0.000547	0.99059	0.036927	0.42595	0.007452	0.8724	0.116418	0.01181
0.01945	-0.13506	0.00345	-0.1657	0.00032	-0.08049	0.08227	-0.20092	1.21E-05
0.5536	-0.1993	1.43E-05	0.07303	0.11501	-0.13419	0.00367	-0.22015	1.56E-06
0.47623	-0.00301	0.94823	-0.06348	0.17083	-0.0968	0.03651	-0.08121	0.07958
0.08537	0.192489	2.82E-05	0.110246	0.01716	0.234565	2.94E-07	0.272226	2.23E-09
0.0058	0.061352	0.18566	0.078623	0.08967	0.118562	0.01034	0.107201	0.0205
9.42E-05	0.114871	0.01299	-0.07612	0.1004	-0.09602	0.03807	0.02896	0.53244
0.28406	-0.05243	0.25819	0.153412	0.00088	-0.02741	0.55459	-0.02759	0.55198
0.01301	0.023087	0.61874	0.06178	0.18261	0.110847	0.01656	0.146536	0.0015
0.02369	-0.2492	4.84E-08	0.055963	0.22741	-0.06028	0.1935	-0.15507	0.00077
0.44047	0.018618	0.68821	-0.09404	0.04222	-0.18881	4.02E-05	-0.07674	0.09763
0.18601	0.095698	0.03871	-0.0877	0.05826	-0.16908	0.00024	-0.09304	0.04447
0.48056	0.010864	0.81487	0.190393	3.45E-05	0.028885	0.53351	0.045802	0.32332
7.35E-06	0.057451	0.21526	0.197042	1.80E-05	0.113869	0.01381	0.203112	9.70E-06
0.81786	0.162593	0.00042	0.123139	0.00772	0.166592	0.0003	0.312	5.30E-12
0.00177	0.43869	2.18E-23	-0.01868	0.68723	0.093488	0.04346	0.300345	3.43E-11
0.44798	0.021362	0.6452	0.335601	9.33E-14	0.051054	0.27088	-0.03923	0.39769
0.00044	0.041096	0.37557	-0.01037	0.82308	-0.01808	0.69675	-0.01515	0.74401
0.28192	-0.00917	0.84329	-0.05192	0.26279	-0.08798	0.05746	-0.08202	0.07661
4.63E-08	-0.03482	0.4529	-0.04818	0.29878	-0.17481	0.00015	-0.15482	0.00079
6.21E-05	-0.00829	0.85812	0.201493	1.15E-05	0.092173	0.04651	0.045866	0.32265
1.50E-05	0.047709	0.30357	-0.03411	0.46206	-0.05443	0.24042	-0.02799	0.54629
0.32401	0.198009	1.63E-05	0.23745	2.08E-07	0.218495	1.87E-06	0.380242	1.64E-17

0.42842	0.02196	0.63597	0.1228	0.00789	0.109086	0.01837	0.071446	0.12312
0.63827	-0.01284	0.78202	0.00194	0.96664	-0.01894	0.68315	0.034905	0.45174
0.00037	0.221657	1.31E-06	-0.09982	0.03103	-0.03926	0.39728	0.05728	0.21663
0.66133	-0.0242	0.60195	-0.05292	0.25373	-0.03496	0.45103	-0.03607	0.43677
0.04228	-0.20298	9.84E-06	0.092889	0.04482	0.07121	0.12437	-0.18967	3.70E-05
0.03668	0.070131	0.13019	0.070179	0.12993	0.023371	0.61442	0.035553	0.44338
0.6368	-0.02195	0.63615	0.054495	0.23985	0.065247	0.15921	-0.03661	0.42989
0.13249	-0.00499	0.91441	0.114289	0.01346	0.069449	0.13398	0.002868	0.95071
0.14093	0.016234	0.72641	0.162672	0.00042	0.109109	0.01834	0.069368	0.13443
0.14768	-0.14558	0.00161	-0.09717	0.0358	-0.01766	0.70354	-0.20845	5.56E-06
0.00027	0.02867	0.53655	-0.00889	0.84814	0.02121	0.64754	0.018032	0.69752
0.8857	-0.0557	0.22956	-0.00902	0.84586	-0.0408	0.37902	-0.09183	0.04734
0.66936	-0.03604	0.43719	-0.03357	0.46918	-0.0546	0.23897	-0.08242	0.07518
0.15256	-0.01855	0.68933	0.043685	0.34621	-0.04182	0.36722	-0.03759	0.41764
0.05142	-0.03597	0.43804	0.320271	1.34E-12	0.17394	0.00016	0.090201	0.05141
0.11135	0.082568	0.07465	0.053712	0.24668	0.114186	0.01355	0.030719	0.50782
0.4457	0.124853	0.0069	0.203051	9.76E-06	0.259347	1.29E-08	0.33433	1.17E-13
0.01306	0.044952	0.33239	-0.06806	0.14196	0.040326	0.38459	0.029684	0.52224
0.09979	0.062871	0.17498	-0.11693	0.01144	-0.15463	0.0008	-0.20036	1.29E-05
4.35E-05	-0.12283	0.00788	-0.11543	0.01255	-0.21723	2.15E-06	-0.18269	7.16E-05
6.52E-08	0.092876	0.04485	0.076504	0.09869	0.006801	0.88347	0.052831	0.25453
0.07135	-0.1491	0.00123	0.061018	0.18807	-0.06538	0.15835	-0.1124	0.01509
2.83E-11	-0.09586	0.03838	-0.16201	0.00044	-0.20021	1.31E-05	-0.23418	3.08E-07
0.39733	0.00958	0.83642	0.3158	2.83E-12	0.037925	0.41355	0.092386	0.046
0.54462	0.104482	0.02395	0.266599	4.85E-09	0.223404	1.08E-06	0.320378	1.32E-12
0.0075	0.075578	0.10285	-0.06699	0.14835	-0.02312	0.61817	0.064916	0.16134
0.10064	-0.1427	0.00199	-0.08277	0.07394	-0.01871	0.6867	-0.22513	8.86E-07
0.92168	0.011746	0.80014	0.067308	0.14642	0.002597	0.95537	-0.01231	0.79069
1.76E-07	0.008009	0.86296	0.016084	0.72883	-0.04875	0.2931	-0.01642	0.7234
0.05417	-0.02265	0.62533	-0.02646	0.56838	-0.03747	0.41917	-0.08538	0.06527
0.4413	-0.00053	0.9909	-0.00294	0.94955	-0.01099	0.81276	-0.04636	0.31747
0.01367	0.036035	0.43722	-0.00615	0.8946	-0.04852	0.29538	0.005209	0.91061
0.51568	-0.02153	0.64261	-0.17038	0.00022	-0.07751	0.0943	-0.03894	0.40112
0.06071	-0.0191	0.68054	-0.1585	0.00059	-0.21481	2.81E-06	-0.15669	0.00068
0.00967	0.116852	0.0115	0.144346	0.00176	0.184207	6.22E-05	0.241781	1.23E-07
0.00073	0.109508	0.01792	-0.03909	0.39934	0.006337	0.89136	0.18329	6.77E-05
0.00034	0.233991	3.15E-07	0.256345	1.92E-08	0.283077	4.70E-10	0.26164	9.51E-09
0.00349	-0.07322	0.11407	-0.17135	0.0002	-0.12577	0.0065	-0.20838	5.60E-06
0.11313	-0.14527	0.00165	0.170227	0.00022	-0.0387	0.40407	-0.05826	0.20886
8.83E-06	-0.14084	0.00228	0.014827	0.74929	0.029193	0.52915	-0.13643	0.00314
0.00016	0.190561	3.40E-05	0.005716	0.90195	0.110672	0.01673	0.316218	2.64E-12
0.32167	-0.01791	0.69947	0.071089	0.12501	0.056565	0.22244	-0.00404	0.93063
0.00631	0.102055	0.02743	-0.04824	0.29823	0.019857	0.66864	0.092452	0.04584
0.0006	-0.13697	0.00302	-0.02648	0.56818	-0.1777	0.00011	-0.19226	2.88E-05
0.02844	-0.0326	0.48213	-0.03453	0.45658	-0.2208	1.45E-06	-0.19466	2.28E-05

0.81539	0.197724	1.68E-05	0.040451	0.38312	0.151562	0.00102	0.288802	2.01E-10
0.18605	-0.00933	0.84062	0.103809	0.02487	0.021144	0.64857	0.037351	0.42065
0.49844	-0.13928	0.00256	-0.00061	0.98948	-0.01046	0.82156	-0.16386	0.00038
0.00036	0.032689	0.48099	0.073044	0.11494	0.183257	6.79E-05	0.139519	0.00251
0.09492	0.011547	0.80346	0.056756	0.22088	0.026591	0.56651	0.101062	0.02898
0.00011	0.226336	7.72E-07	0.013859	0.76516	0.008065	0.86201	0.089156	0.05419
0.0219	0.035162	0.44842	0.227684	6.61E-07	0.228004	6.37E-07	0.240953	1.36E-07
0.10829	0.075301	0.10412	0.171813	0.00019	0.096686	0.03673	0.173489	0.00016
0.56104	0.044317	0.33927	0.001394	0.97603	-0.05111	0.27039	-0.01562	0.73639
0.66146	-0.10428	0.02422	0.031064	0.50308	0.002734	0.95302	-0.13729	0.00295
0.0558	0.019944	0.66729	0.266246	5.10E-09	0.05965	0.19818	0.07956	0.0859
0.50135	0.054552	0.23935	0.102679	0.0265	0.03332	0.47255	0.10137	0.0285
0.00027	0.108807	0.01867	0.069746	0.13232	0.031969	0.49071	0.121071	0.00882
5.16E-06	0.017935	0.69907	-0.04638	0.31724	-0.18427	6.18E-05	-0.10743	0.02023
0.00014	0.071563	0.12251	0.164743	0.00035	0.01691	0.7155	0.068883	0.13719
0.06763	-0.06823	0.14098	-0.12118	0.00876	-0.10359	0.02518	-0.18729	4.65E-05
0.03109	-0.02198	0.63567	0.080125	0.08369	0.268982	3.50E-09	0.177496	0.00012
0.13433	0.143646	0.00186	0.158627	0.00058	-0.05135	0.26808	-0.00825	0.85894
0.06167	0.030338	0.51311	-0.07585	0.10163	0.010562	0.81993	0.019902	0.66794
0.79145	-0.10677	0.02102	0.099208	0.03208	-0.10219	0.02723	-0.15962	0.00054
0.5803	0.186634	4.95E-05	0.086235	0.0626	0.127616	0.00575	0.212344	3.67E-06
0.08423	0.005654	0.90302	0.016947	0.7149	-0.00578	0.9009	-0.02595	0.5759
0.0094	-0.04765	0.30413	-0.05104	0.27104	-0.20052	1.27E-05	-0.16338	0.00039
2.97E-06	0.208344	5.62E-06	-0.05213	0.26091	0.176917	0.00012	0.213749	3.15E-06
0.00027	0.090522	0.05059	-0.07765	0.09373	-0.02189	0.63709	0.056365	0.22407
0.0997	0.130872	0.00461	-0.13394	0.00374	0.074839	0.10626	0.14567	0.0016
0.24146	-0.04746	0.30607	-0.16881	0.00025	-0.25226	3.27E-08	-0.22251	1.19E-06
0.28963	0.002646	0.95453	-0.0555	0.23129	-0.07439	0.10839	-0.05721	0.21721
0.25909	0.008762	0.85022	-0.11078	0.01662	-0.12873	0.00534	-0.09862	0.03312
0.51528	-0.117	0.0114	-0.13056	0.00472	0.095693	0.03872	-0.00235	0.95964
0.025	0.361457	7.36E-16	0.022124	0.63344	0.049845	0.2824	0.22941	5.41E-07
0.27721	0.237898	1.97E-07	0.08806	0.05723	0.159274	0.00055	0.24395	9.37E-08
0.78362	-0.04264	0.35787	-0.07154	0.12265	-0.187	4.78E-05	-0.20419	8.68E-06
0.019	0.025962	0.57572	-0.02533	0.58512	-0.00794	0.86406	-0.01937	0.67637
0.97331	-0.06394	0.16773	-0.08389	0.07012	-0.16998	0.00022	-0.14418	0.00179
0.00739	0.025142	0.58785	-0.1233	0.00764	-0.09728	0.0356	-0.04792	0.30141
0.04068	0.024381	0.59921	-0.1165	0.01175	-0.10274	0.02641	-0.0702	0.12979
0.85329	-0.01596	0.73079	-0.15352	0.00087	-0.15299	0.00091	-0.14459	0.00173
1.76E-09	-0.11635	0.01186	-0.149	0.00124	-0.1217	0.00847	-0.19846	1.56E-05
0.81587	-0.02542	0.58368	-0.13	0.0049	-0.06806	0.14194	-0.12274	0.00792
0.02225	0.109456	0.01798	0.049604	0.28474	0.005544	0.9049	0.064331	0.16516
0.12997	0.116493	0.01176	0.036082	0.43662	0.053715	0.24666	0.210151	4.64E-06
0.0159	-0.00696	0.88076	0.096123	0.03785	-0.06733	0.14632	-0.02052	0.65834
0.0001	0.036446	0.43201	0.019164	0.67955	-0.059	0.20315	-0.02348	0.61279
0.07266	-0.10309	0.02589	-0.10681	0.02096	-0.06612	0.15369	-0.1571	0.00066

0.72784	0.032118	0.48869	0.195596	2.07E-05	0.026544	0.56719	0.044943	0.33249
0.03548	-0.07843	0.09048	0.02518	0.58729	-0.02663	0.56589	-0.04468	0.33528
0.47651	0.022916	0.62134	-0.06514	0.1599	0.007668	0.86873	0.015123	0.74446
3.26E-08	0.03252	0.48326	0.002613	0.95509	0.05606	0.2266	0.054236	0.24209
0.17248	-0.04209	0.3641	-0.10851	0.019	-0.10549	0.02262	-0.10335	0.02553
0.40534	0.20313	9.68E-06	0.003814	0.93448	0.159048	0.00056	0.314734	3.38E-12
3.98E-05	0.216082	2.44E-06	0.017489	0.70621	0.062779	0.17562	0.100683	0.02959
0.00303	0.033588	0.469	-0.01641	0.7236	0.000316	0.99457	0.01631	0.72518
0.80842	0.018212	0.69465	-0.06792	0.14276	-0.00465	0.92009	0.032677	0.48115
0.58449	-0.03552	0.44381	-0.05475	0.23764	-0.04023	0.38568	-0.10462	0.02376
0.27711	0.057381	0.21582	0.067054	0.14796	-0.0055	0.90567	-0.00085	0.98532
0.0462	0.164431	0.00036	0.18234	7.40E-05	0.031243	0.50061	0.103651	0.02509
0.90221	0.015821	0.73311	0.047638	0.30428	-0.08503	0.06636	-0.04427	0.33975
0.00113	0.105841	0.02216	-0.13056	0.00471	-0.03093	0.50486	-0.00294	0.94946
0.01667	-0.10701	0.02072	0.155295	0.00076	0.116919	0.01145	0.08728	0.05947
0.0007	0.131922	0.00429	-0.00915	0.84362	-0.10913	0.01832	-0.01486	0.74877
0.80295	0.134723	0.00354	0.199253	1.44E-05	0.192302	2.87E-05	0.141139	0.00223
6.35E-05	-0.02763	0.55141	0.012291	0.79108	-0.03819	0.41033	-0.14118	0.00223
0.4066	0.030485	0.51107	-0.02702	0.56031	-0.03138	0.4988	-0.02928	0.52797
0.00429	-0.07645	0.09891	0.195089	2.18E-05	-0.00458	0.92143	0.026399	0.56932
4.19E-13	-0.00141	0.9757	-0.03372	0.46723	-0.03822	0.40991	-0.07528	0.10422
1.37E-05	-0.00568	0.90249	-0.07143	0.1232	-0.10531	0.02284	-0.12585	0.00647
0.02299	-0.01354	0.77046	-0.10082	0.02937	-0.11971	0.00962	-0.07636	0.09932
3.51E-05	-0.19067	3.36E-05	-0.15832	0.0006	-0.16736	0.00028	-0.31998	1.41E-12
0.80039	0.009308	0.84099	-0.21795	1.99E-06	-0.12795	0.00562	-0.18662	4.95E-05
0.00047	0.101067	0.02898	0.035366	0.44579	0.011871	0.79805	0.037225	0.42222
3.39E-08	-0.01731	0.70908	-0.00617	0.89424	-0.04248	0.35972	-0.04057	0.38169
0.00738	0.122675	0.00796	0.156432	0.00069	0.206846	6.58E-06	0.302541	2.43E-11
0.00192	0.202511	1.03E-05	-0.01546	0.73894	0.117202	0.01125	0.141228	0.00222
0.00803	-0.04585	0.32286	-0.01026	0.82498	0.16501	0.00034	0.035452	0.44468
0.41108	0.181816	7.76E-05	0.185656	5.43E-05	0.164676	0.00035	0.284258	3.95E-10
0.00135	0.110945	0.01646	-0.0492	0.28865	0.0307	0.50809	0.191754	3.03E-05
0.01603	0.116174	0.01199	-0.05025	0.2785	-0.06796	0.14256	0.062989	0.17418
0.32068	-0.09615	0.0378	-0.16718	0.00028	-0.15819	0.0006	-0.17429	0.00015
0.01202	0.124863	0.0069	-0.05206	0.26149	0.116147	0.01201	0.141939	0.00211
0.00017	0.04257	0.35868	0.009598	0.83612	0.003707	0.93632	0.008712	0.85106
0.01379	-0.02481	0.59286	-0.30282	2.33E-11	-0.17628	0.00013	-0.22028	1.53E-06
0.57242	0.042589	0.35846	-0.15432	0.00082	-0.03831	0.40885	-0.00612	0.89499
0.17241	-0.06975	0.13232	-0.11233	0.01515	-0.03353	0.46971	-0.20196	1.09E-05
0.76317	0.018737	0.68631	-0.15398	0.00084	-0.06557	0.15717	-0.12169	0.00848
0.54356	-0.02875	0.53537	-0.04978	0.28303	-0.10668	0.02112	-0.13444	0.00361
0.0017	-0.03021	0.51483	-0.07177	0.12143	-0.07201	0.12019	-0.10228	0.02709
0.42342	0.07528	0.10421	-0.02907	0.53085	-0.05443	0.24041	0.034858	0.45235
0.00476	0.093866	0.04261	-0.01569	0.7353	0.016953	0.7148	0.039758	0.39132
0.01816	0.123273	0.00765	0.098288	0.03371	0.258595	1.43E-08	0.20609	7.12E-06

4.17E-07	-0.01063	0.81883	0.023583	0.61122	-0.03416	0.46148	0.0483	0.2976
0.09429	-0.05647	0.22323	-0.04163	0.3694	-0.06762	0.14454	-0.15057	0.0011
1.51E-05	0.039559	0.39371	-0.15468	0.0008	0.011303	0.80753	0.028276	0.54217
0.00051	-0.02111	0.64906	-0.04767	0.30398	-0.05997	0.19582	-0.06148	0.18477
0.00422	0.152586	0.00094	0.008658	0.85197	0.139405	0.00253	0.158732	0.00058
0.11799	-0.13152	0.00441	0.032998	0.47685	-0.18692	4.82E-05	-0.20341	9.41E-06
8.97E-05	0.130395	0.00477	0.282658	5.00E-10	0.145992	0.00156	0.257129	1.73E-08
3.01E-07	0.077476	0.09447	0.080666	0.08162	0.00521	0.91059	0.087948	0.05754
5.41E-07	0.169308	0.00024	0.016057	0.72927	-0.06507	0.16036	-0.02785	0.54823
0.07994	0.005099	0.91249	-0.06417	0.16624	-0.0349	0.45176	0.023139	0.61794
0.57368	-0.06051	0.19181	-0.20496	8.02E-06	-0.15603	0.00072	-0.2094	5.03E-06
0.0165	0.165536	0.00033	0.038436	0.40728	-0.01759	0.70463	0.079325	0.08684
3.13E-06	0.093338	0.04379	0.097706	0.03479	0.212221	3.72E-06	0.280857	6.50E-10
0.01386	0.018493	0.69018	-0.1588	0.00057	-0.14238	0.00204	-0.08606	0.06313
3.22E-07	-0.19533	2.13E-05	0.052152	0.26069	-0.11101	0.01639	-0.2773	1.08E-09
0.97725	-0.02293	0.62109	-0.07868	0.08942	-0.04911	0.28958	-0.0975	0.03518
0.15917	-0.04725	0.30828	-0.10036	0.03012	-0.12108	0.00881	-0.16127	0.00047
0.03913	-0.03286	0.47875	0.031014	0.50376	-0.04207	0.36432	-0.02862	0.53733
0.0691	-0.16245	0.00042	-0.00021	0.99634	-0.13115	0.00453	-0.14258	0.00201
0.00116	-0.16532	0.00033	0.062718	0.17604	-0.08693	0.06051	-0.24595	7.30E-08
1.58E-05	-0.00425	0.92696	-0.04622	0.31887	-0.01105	0.81171	-0.05444	0.24034
3.55E-13	0.043005	0.35378	-0.01815	0.69568	-0.06546	0.15785	-0.01397	0.76327
1.50E-11	-0.07076	0.12675	-0.04551	0.32639	-0.07224	0.11899	-0.19867	1.52E-05
0.0013	0.047827	0.30237	0.301701	2.77E-11	0.220495	1.50E-06	0.177706	0.00011
0.36432	0.111177	0.01624	0.124206	0.0072	0.197453	1.72E-05	0.188303	4.22E-05
0.6426	0.010024	0.82896	-0.20072	1.24E-05	-0.17437	0.00015	-0.16137	0.00046
3.14E-08	0.07189	0.12081	0.224267	9.78E-07	0.229996	5.05E-07	0.241602	1.25E-07
0.22449	-0.08064	0.08173	-0.01205	0.79515	-0.02724	0.55705	-0.0754	0.10368
0.30377	0.006025	0.89668	-0.14445	0.00175	-0.11306	0.0145	-0.09409	0.04212
0.02457	-0.02388	0.60678	0.098942	0.03254	-0.00717	0.87712	-0.05263	0.25636
0.04094	-0.06269	0.17623	-0.08521	0.0658	-0.06945	0.13396	-0.1292	0.00517
3.33E-05	0.122895	0.00784	0.045839	0.32293	0.166434	0.0003	0.249002	4.96E-08
0.00012	-0.17029	0.00022	-0.0827	0.07419	-0.07122	0.1243	-0.24827	5.44E-08
0.92201	0.083969	0.06984	0.019385	0.67607	0.10628	0.02161	0.115353	0.01262
7.07E-05	0.024428	0.59851	-0.05308	0.25226	-0.05952	0.19919	0.031521	0.49682
3.15E-07	0.050728	0.27395	0.05669	0.22141	0.010659	0.81831	0.002996	0.94852
0.98007	0.092753	0.04514	0.004123	0.9292	-0.01832	0.69295	0.014463	0.75525
0.43024	-0.15979	0.00053	-0.21862	1.85E-06	-0.20537	7.68E-06	-0.31091	6.34E-12
0.67747	0.351845	4.69E-15	0.086825	0.06082	0.039458	0.39491	0.235944	2.49E-07
0.11759	0.019642	0.67203	-0.1968	1.84E-05	-0.12791	0.00564	-0.07889	0.08858
0.94728	-0.02207	0.63421	-0.09122	0.04882	0.050274	0.27828	-0.0676	0.14469
0.00735	0.067019	0.14817	-0.03	0.51776	0.070817	0.12647	0.103191	0.02575
0.5373	0.062996	0.17413	-0.09999	0.03074	-0.04884	0.29222	-0.04569	0.32448
0.05682	0.06751	0.14521	-0.14014	0.0024	-0.07374	0.11152	0.059662	0.1981
0.03487	0.057463	0.21517	-0.16311	0.0004	-0.12201	0.0083	0.008956	0.84694

7.32E-06	0.063378	0.17152	-0.00079	0.98638	-0.10617	0.02175	0.064551	0.16372
0.00225	0.039655	0.39256	-0.04295	0.35443	-0.06121	0.18671	-0.02966	0.52261
0.23373	-0.1059	0.02208	0.026211	0.57206	-0.06818	0.14125	-0.1504	0.00111
0.22551	0.213873	3.11E-06	-0.00685	0.88256	0.067542	0.14502	0.153304	0.00089
0.0004	0.065877	0.15521	-0.06924	0.13515	-0.01178	0.79954	0.093254	0.04399
0.02901	-0.16394	0.00037	-0.08548	0.06494	-0.25764	1.62E-08	-0.25535	2.19E-08
0.32261	-0.09765	0.03488	-0.10245	0.02684	-0.04176	0.36792	-0.02655	0.56704
0.00606	0.09831	0.03367	-0.03396	0.46404	-0.08073	0.08138	0.033595	0.46891
0.01811	-0.1154	0.01258	0.080402	0.08262	-0.17667	0.00012	-0.17762	0.00011
0.03018	0.089622	0.05294	-0.00712	0.87806	-0.02888	0.53359	0.010257	0.82505
3.50E-05	0.204014	8.84E-06	0.060415	0.19248	0.165996	0.00032	0.276648	1.19E-09
0.79492	-0.00934	0.84046	-0.06147	0.18482	-0.07294	0.11546	-0.04541	0.32747
7.85E-15	-0.02928	0.52789	0.185244	5.64E-05	0.037777	0.41537	0.020786	0.65413
0.67468	0.207963	5.85E-06	0.158428	0.00059	0.12973	0.00499	0.283041	4.72E-10
4.07E-10	0.067302	0.14645	-0.08274	0.07404	-0.03286	0.47865	0.014129	0.76073
0.06947	0.150391	0.00111	-0.1787	0.0001	-0.03115	0.50195	-0.11828	0.01052
6.44E-05	-0.0997	0.03123	-0.06269	0.17621	-0.21364	3.19E-06	-0.19931	1.43E-05
0.01631	0.077566	0.09408	0.006894	0.88189	-0.06798	0.14242	0.035051	0.44985
0.0161	-0.06786	0.1431	0.03235	0.48555	-0.12397	0.00731	-0.1267	0.00611
0.00025	0.127476	0.0058	0.014776	0.75013	-0.04408	0.34191	0.008998	0.84624
6.38E-06	-0.01919	0.67915	-0.03879	0.40299	0.021208	0.64757	-0.0027	0.95355
0.71532	-0.03741	0.41992	0.014612	0.75281	-0.02636	0.56996	-0.05452	0.23965
0.00079	0.02417	0.60238	0.150246	0.00113	0.054403	0.24064	0.034871	0.45219
9.67E-08	0.029011	0.53172	-0.02676	0.56402	-0.11908	0.01001	-0.03501	0.45035
0.00083	0.127192	0.00591	0.140662	0.00231	0.18307	6.91E-05	0.245901	7.34E-08
0.04846	-0.02442	0.59855	-0.07182	0.12115	-0.03595	0.43833	0.013014	0.7791
0.60116	0.051241	0.26912	-0.06058	0.19127	-0.09521	0.03972	-0.0211	0.64927
0.00097	0.070145	0.13011	-0.04876	0.29307	-0.04361	0.34701	0.09678	0.03655
0.01453	0.077789	0.09314	0.086087	0.06305	0.056795	0.22055	0.104295	0.0242
0.69326	-0.05378	0.24605	0.198805	1.50E-05	0.042962	0.35426	0.014211	0.75938
0.6011	0.033917	0.46465	-0.06069	0.19048	-0.10206	0.02743	-0.0555	0.23131
0.84768	-0.03838	0.40801	-0.08642	0.06202	-0.08746	0.05896	-0.09308	0.04439
6.04E-12	0.014361	0.75691	0.030913	0.50515	-0.06717	0.14722	0.012464	0.78822
0.00461	0.066133	0.15361	0.267335	4.39E-09	0.060522	0.19169	0.148513	0.00129
0.2072	0.018587	0.6887	-0.04698	0.31102	-0.1042	0.02433	-0.13061	0.0047
0.6075	0.179026	0.0001	-0.0101	0.82775	0.110202	0.0172	0.25207	3.35E-08
4.95E-05	-0.00932	0.84079	-0.00225	0.96136	-0.07059	0.1277	-0.08649	0.06182
0.82226	0.024385	0.59915	-0.08146	0.07864	0.007016	0.8798	0.031638	0.49521
0.51425	-0.00807	0.86192	-0.16484	0.00035	-0.10529	0.02287	-0.04525	0.32914
5.69E-09	0.031152	0.50187	0.01971	0.67096	-0.05603	0.22682	0.00621	0.89353
0.5793	-0.05585	0.22838	-0.12337	0.0076	-0.07299	0.11523	-0.11152	0.01591
0.19815	-0.0815	0.07852	-0.13874	0.00266	-0.24704	6.36E-08	-0.23701	2.19E-07
0.4979	0.172094	0.00019	0.465331	1.81E-26	0.269368	3.32E-09	0.351313	5.19E-15
0.08824	-0.03925	0.3974	-0.038	0.41259	-0.03326	0.47339	0.000224	0.99615
0.12505	0.108058	0.0195	0.267408	4.34E-09	0.058314	0.20844	0.223597	1.06E-06

4.45E-11	-0.0044	0.9245	0.193924	2.45E-05	0.171778	0.00019	0.086766	0.06099
0.59788	-0.01464	0.7523	0.05311	0.25203	0.031183	0.50144	-0.02941	0.52603
0.71816	0.077787	0.09315	0.067548	0.14498	-0.02302	0.61971	0.02915	0.52976
0.89705	0.08539	0.06523	0.008047	0.86231	-0.00512	0.91208	0.03217	0.48798
1.34E-05	0.170924	0.00021	0.068494	0.13943	0.024871	0.59188	0.056565	0.22244
1.09E-09	-0.08053	0.08214	-0.12754	0.00578	-0.25971	1.23E-08	-0.22899	5.68E-07
0.55959	0.08457	0.06786	0.39437	7.91E-19	0.349612	7.15E-15	0.337931	6.14E-14
0.04027	0.021916	0.63664	0.045004	0.33183	0.104761	0.02357	0.10029	0.03024
0.05557	0.231682	4.14E-07	0.223769	1.04E-06	0.164891	0.00035	0.292269	1.19E-10
0.07687	-0.00715	0.8775	-0.1641	0.00037	0.04636	0.31745	0.021896	0.63696
0.94298	0.008077	0.8618	-0.09731	0.03553	-0.10331	0.02558	-0.07167	0.12194
0.04147	0.176711	0.00012	-0.06577	0.15588	0.268258	3.87E-09	0.314579	3.47E-12
3.21E-09	-0.05405	0.24369	-0.0021	0.96394	-0.11	0.01741	-0.14951	0.00119
0.138	0.053943	0.24465	0.059669	0.19804	0.079702	0.08534	0.089816	0.05242
4.05E-05	0.160774	0.00049	-0.11957	0.0097	-0.01424	0.75884	0.09475	0.04069
1.22E-05	-0.11297	0.01458	0.074766	0.10661	-0.16762	0.00027	-0.17042	0.00022
0.00133	0.101552	0.02821	-0.01823	0.69444	-0.05069	0.27435	0.018886	0.68395
2.43E-06	-0.14438	0.00176	-0.15189	0.00099	-0.11529	0.01266	-0.27251	2.14E-09
6.54E-12	0.133973	0.00373	0.01629	0.72551	0.030026	0.51745	0.228186	6.23E-07
0.29311	0.011166	0.80982	0.153935	0.00085	0.1572	0.00065	0.150178	0.00113
0.35533	0.051798	0.26395	-0.05585	0.22838	-0.08978	0.05253	-0.03378	0.46649
2.38E-07	0.013548	0.77028	-0.02179	0.63857	-0.00689	0.88193	0.032934	0.47771
0.27389	0.193221	2.62E-05	0.214216	2.99E-06	0.1955	2.09E-05	0.312171	5.16E-12
4.31E-13	0.476512	7.59E-28	0.212205	3.72E-06	0.115456	0.01254	0.308566	9.27E-12
0.0312	-0.207	6.47E-06	-0.16428	0.00036	-0.24152	1.27E-07	-0.32782	3.68E-13
0.25683	0.128518	0.00541	0.061763	0.18273	-0.00455	0.92184	0.082122	0.07624
0.06882	-0.00351	0.93962	0.02923	0.52862	-0.0988	0.0328	0.003389	0.94177
0.06206	0.100456	0.02996	-0.03113	0.50211	-0.03499	0.45062	0.020988	0.65099
0.05155	0.067049	0.14799	-0.02479	0.59308	-0.10993	0.01748	0.038565	0.4057
0.1261	-0.06585	0.15542	0.053201	0.25121	0.036717	0.42859	0.031783	0.49324
0.74656	0.024952	0.59068	-0.05221	0.26018	-0.0905	0.05065	-0.04063	0.38106
0.15111	-0.00607	0.89596	-0.07234	0.11848	-0.09302	0.04451	-0.09497	0.04023
0.65207	0.069375	0.1344	0.133055	0.00397	0.207401	6.21E-06	0.227458	6.78E-07
0.3977	-0.17528	0.00014	0.063908	0.16797	-0.12762	0.00575	-0.1572	0.00065
0.0481	0.006408	0.89015	-0.04409	0.34173	-0.13036	0.00478	-0.08971	0.0527
0.34941	-0.03174	0.49376	0.137314	0.00294	-0.05807	0.21034	-0.01702	0.71378
0.19669	0.027604	0.55182	0.006469	0.88912	0.061515	0.18449	0.064775	0.16226
0.72796	-0.0125	0.78756	0.072773	0.1163	-0.02916	0.52967	-0.0467	0.31389
0.6095	-0.01833	0.69274	0.069886	0.13154	-0.02585	0.57743	-0.04197	0.36549
0.88527	-0.0153	0.74164	-0.04266	0.35771	-0.04739	0.30682	-0.02111	0.64908
0.19467	-0.00435	0.92529	-0.04656	0.31536	-0.04161	0.36961	-0.02576	0.57877
0.04034	0.024949	0.59073	0.085495	0.06489	0.01304	0.77866	0.015347	0.7408
0.00031	0.070788	0.12662	-0.0154	0.74	-0.04936	0.2871	0.003411	0.94139
0.10701	0.016616	0.72025	-0.01035	0.82347	-0.06186	0.18205	-0.02079	0.65407
0.00096	0.028798	0.53473	0.070864	0.12622	-5.98E-05	0.99897	0.012584	0.78622

0.00073	0.026589	0.56654	-0.00134	0.977	-0.06673	0.1499	-0.01936	0.67648
3.23E-10	-0.02704	0.55997	-0.04966	0.28417	-0.01234	0.79023	-0.06103	0.18801
0.02036	0.070449	0.12846	-0.00776	0.86713	0.004903	0.91584	0.051478	0.26691
6.38E-07	0.307295	1.14E-11	0.036555	0.43064	0.091435	0.04829	0.325395	5.59E-13
6.36E-06	0.104254	0.02426	-0.08374	0.07061	-0.05475	0.23764	-0.00779	0.86669
0.8901	-0.00707	0.87893	0.080126	0.08369	0.08278	0.07391	0.067584	0.14477
0.00118	0.059698	0.19783	-0.06149	0.18468	-0.03545	0.4447	-0.00674	0.88442
0.44813	0.092849	0.04492	-0.08343	0.07167	-0.06421	0.16599	-0.01131	0.80737
2.49E-05	0.040321	0.38464	-0.07804	0.09207	-0.04769	0.30374	-0.03056	0.51005
0.00024	0.09327	0.04395	0.14027	0.00238	0.112531	0.01497	0.089973	0.05201
1.87E-05	0.013146	0.77692	-0.03835	0.4083	-0.13009	0.00487	-0.10532	0.02284
0.03552	0.082742	0.07404	0.054808	0.23716	0.132937	0.004	0.145182	0.00166
0.62226	-0.04469	0.33525	-0.22101	1.41E-06	-0.15633	0.0007	-0.22109	1.40E-06
5.43E-08	0.023414	0.61377	-0.13265	0.00408	-0.1349	0.00349	-0.06464	0.16315
0.0001	0.002147	0.96309	-0.03993	0.38926	-0.01635	0.72454	-0.00911	0.84431
0.15669	0.13361	0.00382	0.269103	3.44E-09	0.173877	0.00016	0.276732	1.18E-09
0.17077	0.046862	0.31223	-0.04519	0.32988	-0.07424	0.10909	-0.03416	0.46148
0.68348	-0.03045	0.51149	-0.0909	0.04962	-0.09399	0.04235	-0.06445	0.16441
0.1478	0.143062	0.00194	0.022926	0.62118	0.094165	0.04195	0.153921	0.00085
7.68E-05	-0.0734	0.11318	-0.02019	0.66344	-0.20875	5.39E-06	-0.21207	3.78E-06
0.00062	0.019702	0.67108	0.121809	0.00841	0.035902	0.43893	0.079736	0.08521
0.42372	-0.04132	0.37296	-0.07118	0.12453	-0.06524	0.15929	-0.12574	0.00651
0.60797	0.026407	0.56919	-0.08057	0.08198	-0.02842	0.54007	-0.00974	0.83372
2.38E-05	-0.01629	0.72557	-0.09252	0.04568	-0.01748	0.70636	-0.07403	0.11011
0.24924	-0.07102	0.12538	0.231915	4.03E-07	0.237309	2.12E-07	0.137241	0.00296
0.11306	-0.00667	0.88564	0.285353	3.36E-10	0.057001	0.21888	0.035409	0.44523
0.01543	0.130866	0.00462	0.153936	0.00085	0.142762	0.00198	0.295518	7.26E-11
0.08236	0.045653	0.3249	0.092351	0.04608	0.092213	0.04641	0.199921	1.34E-05
0.00302	0.035266	0.44708	-0.08089	0.08079	-0.0145	0.75457	0.023422	0.61365
8.64E-08	-0.06597	0.15463	-0.26541	5.72E-09	-0.06634	0.15234	-0.17378	0.00016
5.12E-09	-0.02745	0.55411	0.201581	1.14E-05	-0.08293	0.07337	-0.02658	0.56669
0.97986	-0.13934	0.00255	0.414163	8.82E-21	0.08038	0.08271	0.036106	0.43632
4.66E-05	0.009234	0.84224	-0.23418	3.08E-07	-0.20898	5.25E-06	-0.12614	0.00634
0.06559	0.120751	0.009	0.065792	0.15575	-0.08625	0.06257	0.070964	0.12568
0.22694	-0.04634	0.31764	-0.10354	0.02525	-0.14577	0.00159	-0.17965	9.47E-05
0.04327	-0.04864	0.29418	0.03593	0.43856	-0.02796	0.5467	-0.01366	0.76845
0.00018	-0.00538	0.90768	-0.04724	0.30834	0.035581	0.44302	-0.00355	0.93896
0.00881	-0.02458	0.59622	0.170857	0.00021	0.094188	0.0419	0.046363	0.31742
0.19279	-0.10701	0.02072	-0.11791	0.01077	-0.15556	0.00074	-0.2537	2.71E-08
0.69055	-0.0397	0.39204	-0.11585	0.01224	0.017615	0.70419	-0.08038	0.0827
0.40071	0.037163	0.42301	0.186635	4.95E-05	0.152566	0.00094	0.19514	2.17E-05
0.34224	0.230184	4.94E-07	0.223769	1.04E-06	0.222	1.26E-06	0.300861	3.17E-11
0.00064	0.066217	0.15309	0.103196	0.02574	0.115235	0.01271	0.200754	1.24E-05
0.10896	0.000995	0.98289	-0.02475	0.59363	-0.08543	0.0651	-0.06736	0.14613
0.40681	0.070013	0.13084	0.034206	0.46086	-0.00087	0.98508	0.035812	0.44007



0.12295	0.155114	0.00077	0.016262	0.72596	-0.02618	0.57255	0.156474	0.00069
0.56281	0.02486	0.59205	-0.13591	0.00325	-0.19489	2.22E-05	-0.09795	0.03434
1.61E-07	-0.04944	0.28631	-0.08498	0.06653	-0.053	0.253	-0.13785	0.00283
0.00076	0.057579	0.21424	-0.07757	0.09406	0.015554	0.73744	0.073444	0.11296
0.77237	0.010243	0.82528	-0.15564	0.00074	-0.13467	0.00355	-0.10805	0.01951
0.95329	0.027547	0.55264	0.110612	0.01679	0.063431	0.17117	0.09933	0.03187
0.78553	-0.01155	0.80343	-0.05849	0.20708	-0.05251	0.2574	-0.06503	0.16061
0.71577	-0.00539	0.90744	-0.07497	0.10563	-0.06524	0.15926	-0.03208	0.48925
2.19E-06	0.049356	0.28715	-0.0707	0.1271	-0.06992	0.13135	0.004426	0.92401
0.00119	0.055789	0.22886	-0.11714	0.01129	-0.07093	0.12587	-0.03212	0.48865
0.10627	0.074257	0.10902	-0.05032	0.27784	-0.03875	0.4035	0.009089	0.84469
0.54675	-0.01722	0.71049	0.033998	0.46359	-0.03488	0.45202	0.020182	0.66356
0.06546	0.087383	0.05917	0.152707	0.00093	0.14702	0.00144	0.136154	0.0032
0.02658	0.270505	2.83E-09	0.093804	0.04275	0.114467	0.01332	0.159388	0.00055
0.36054	-0.05543	0.23183	-0.05014	0.27959	0.100286	0.03025	0.054226	0.24218
7.61E-09	0.055491	0.23135	-0.11992	0.00949	0.036005	0.43761	-0.00807	0.86192
0.05069	0.126555	0.00617	0.082177	0.07605	-0.04881	0.29254	0.084114	0.06936
0.21316	-0.01302	0.77901	-0.11798	0.01072	-0.06008	0.19496	-0.05806	0.2104
0.47959	-0.00888	0.84829	0.189332	3.82E-05	-0.03896	0.40093	0.01454	0.75399
0.00584	0.05745	0.21527	-0.12976	0.00498	-0.16294	0.00041	-0.05109	0.2705
0.02485	0.006992	0.88022	0.093758	0.04285	0.035066	0.44965	0.02959	0.52356
0.05461	0.169684	0.00023	0.072063	0.11991	0.177703	0.00011	0.300149	3.54E-11
0.63919	0.074753	0.10667	0.001456	0.97497	-0.0206	0.65702	0.072381	0.11828
0.00017	-0.01814	0.69574	-0.16675	0.0003	-0.06197	0.18126	-0.08457	0.06787
0.00025	-0.03466	0.45497	0.0144	0.75629	-0.03717	0.42297	-0.05851	0.20688
1.13E-05	0.054846	0.23683	-0.01014	0.82695	-0.10687	0.0209	-0.01281	0.78249
0.11432	0.055353	0.23252	0.068536	0.13918	0.181004	8.37E-05	0.148526	0.00129
0.03064	0.023885	0.60666	0.035152	0.44854	0.013837	0.76552	0.014101	0.76118
0.8087	-0.16951	0.00023	0.170386	0.00022	-0.05938	0.20023	-0.12678	0.00608
0.00136	0.071052	0.12521	-0.09053	0.05056	-0.06964	0.13289	-0.0395	0.39443
0.00804	-0.1491	0.00123	-0.10939	0.01804	-0.15818	0.0006	-0.26514	5.93E-09
0.00272	0.054413	0.24056	-0.12726	0.00589	-0.25034	4.18E-08	-0.22137	1.36E-06
1.02E-14	-0.12355	0.00752	-0.08099	0.08038	-0.19591	2.01E-05	-0.24621	7.06E-08
6.12E-10	-0.1405	0.00234	-0.03712	0.4235	-0.24899	4.97E-08	-0.23458	2.94E-07
0.11964	0.129599	0.00503	0.254095	2.58E-08	0.076263	0.09976	0.113327	0.01427
0.99716	-0.01597	0.73077	0.20105	1.20E-05	0.086446	0.06196	0.104278	0.02422
0.06233	-0.01993	0.66756	-0.2651	5.96E-09	-0.17094	0.00021	-0.11517	0.01276
0.02627	-0.05088	0.27255	0.054003	0.24412	-0.08476	0.06725	-0.1283	0.00549
8.90E-13	0.140237	0.00239	-0.03686	0.42674	-0.02228	0.63105	0.103645	0.0251
0.50604	0.003425	0.94116	0.424231	7.97E-22	0.142237	0.00206	0.10139	0.02846
0.53741	0.07829	0.09104	0.078387	0.09064	0.063143	0.17312	0.14262	0.002
9.99E-06	-0.00078	0.98656	0.002774	0.95232	0.135201	0.00342	-0.01852	0.68984
7.53E-06	-0.09854	0.03326	-0.186	5.25E-05	-0.31158	5.68E-12	-0.21772	2.04E-06
0.49546	-0.14285	0.00197	0.254325	2.50E-08	0.002311	0.96028	-0.08194	0.07689
0.00341	-0.00798	0.86353	-0.06672	0.15002	-0.05777	0.21269	-0.09678	0.03656

0.00702	-0.02216	0.63287	-0.24456	8.69E-08	-0.16781	0.00027	-0.15202	0.00098
1.25E-11	0.023068	0.61903	0.044432	0.33802	-0.06142	0.18517	-0.0088	0.84965
0.42711	-0.00449	0.92287	-0.03953	0.39408	-0.17069	0.00021	-0.12196	0.00833
0.00012	-0.09697	0.03619	-0.08798	0.05744	-0.0816	0.07814	-0.1641	0.00037
0.58643	-0.06472	0.16259	-0.23186	4.06E-07	-0.12443	0.0071	-0.1846	5.99E-05
0.00021	-0.01403	0.76241	-0.08624	0.06259	-0.07391	0.11068	-0.03654	0.43085
0.41191	-0.03722	0.42233	-0.07593	0.10127	-0.04956	0.28514	-0.08086	0.08088
6.18E-09	-0.03898	0.40067	-0.09078	0.04992	-0.05313	0.25184	-0.06014	0.19452
0.16152	0.096285	0.03753	0.061973	0.18124	-0.03943	0.39522	0.053932	0.24475
0.00388	-0.18617	5.17E-05	-0.03891	0.40154	-0.09659	0.03692	-0.31031	6.99E-12
0.17423	0.000467	0.99197	-0.11984	0.00954	-0.16568	0.00032	-0.10523	0.02294
0.30314	-0.12033	0.00924	-0.03708	0.42404	-0.11862	0.0103	-0.14915	0.00123
2.78E-06	0.164622	0.00035	-0.03701	0.42492	-0.06777	0.14369	0.102114	0.02734
2.18E-09	-0.02395	0.60575	-0.12387	0.00736	-0.19115	3.21E-05	-0.19431	2.36E-05
0.01416	-0.12039	0.00921	-0.00481	0.91745	0.026268	0.57123	-0.06606	0.15409
0.19722	0.239998	1.53E-07	-0.04971	0.28375	0.258965	1.36E-08	0.34435	1.90E-14
0.99391	0.141473	0.00218	-0.19601	1.99E-05	-0.20728	6.28E-06	-0.123	0.00779
0.28795	0.077224	0.09554	0.378891	2.17E-17	0.243067	1.05E-07	0.372482	8.12E-17
0.00639	0.117595	0.01098	0.069951	0.13118	0.237869	1.98E-07	0.310305	6.99E-12
3.75E-07	0.068182	0.14124	0.052004	0.26205	-0.0542	0.24237	0.069319	0.13471
0.35681	0.054201	0.2424	-0.12223	0.00819	-0.07932	0.08685	-0.05606	0.22661
0.21402	0.054073	0.24352	-0.02075	0.6547	0.004034	0.93072	0.0439	0.34384
0.01031	-0.12944	0.00509	-0.21573	2.54E-06	-0.20406	8.80E-06	-0.29317	1.04E-10
0.10784	0.294989	7.88E-11	0.141872	0.00212	0.139232	0.00257	0.254187	2.55E-08
0.801	0.113402	0.01421	0.172957	0.00017	0.205452	7.61E-06	0.255261	2.21E-08
0.68053	0.047932	0.3013	0.073913	0.11067	0.092913	0.04477	0.258371	1.47E-08
0.46891	0.011662	0.80155	-0.06584	0.15542	-0.00813	0.86083	-0.00543	0.90687
0.2613	0.269607	3.21E-09	0.091692	0.04767	0.206957	6.50E-06	0.319416	1.55E-12
0.71572	0.007071	0.87888	-0.11574	0.01232	-0.1297	0.005	-0.13894	0.00262
0.47721	0.101466	0.02834	0.067654	0.14435	0.084812	0.06707	0.170712	0.00021
0.54157	0.148903	0.00125	0.02326	0.61611	0.079735	0.08521	0.157349	0.00064
0.00066	0.055601	0.23043	0.005739	0.90157	-0.0034	0.94161	0.139987	0.00243
0.0986	-0.00558	0.90431	-0.22368	1.05E-06	-0.16423	0.00037	-0.12223	0.00819
1.27E-11	-0.00567	0.90278	0.051689	0.26496	-0.01331	0.77424	0.016751	0.71807
0.1515	-0.16379	0.00038	-0.05015	0.27949	-0.26513	5.93E-09	-0.30088	3.16E-11
0.00595	0.089028	0.05453	-0.04213	0.36364	-0.05684	0.22016	0.006858	0.88249
0.81367	0.009975	0.82978	-0.04434	0.33897	-0.03093	0.50487	0.013042	0.77864
0.38497	0.154542	0.00081	0.114497	0.01329	0.068929	0.13692	0.122195	0.00821
0.22862	-0.0541	0.24329	0.026281	0.57104	0.003117	0.94644	-0.05027	0.27828
6.05E-05	-0.05914	0.20209	-0.03792	0.41358	-0.01861	0.68829	-0.16435	0.00036
0.553	0.062442	0.17796	0.109524	0.0179	0.025489	0.5827	0.032945	0.47756
0.01733	-0.00278	0.95221	-0.06204	0.18079	-0.07136	0.12357	-0.05297	0.25329
0.00586	-0.02212	0.63343	0.171317	0.0002	0.062136	0.18009	0.021694	0.64007
0.94428	0.007301	0.87497	0.065443	0.15796	0.003793	0.93485	-0.04821	0.2985
0.6561	-0.01592	0.73144	-0.09601	0.03807	-0.11705	0.01136	-0.05011	0.27985

3.30E-05	-0.11993	0.00948	0.058242	0.209	-0.04144	0.37154	-0.08163	0.07803
0.0213	0.086279	0.06246	0.024767	0.59343	0.086509	0.06177	0.059544	0.19898
3.73E-06	-0.05991	0.19621	-0.08674	0.06107	-0.12538	0.00667	-0.15392	0.00085
0.01302	0.036283	0.43408	0.023662	0.61002	-0.02015	0.66412	0.048282	0.29779
0.61401	0.060585	0.19123	0.069724	0.13244	-0.02799	0.54633	0.023207	0.61691
0.00012	0.145991	0.00156	0.008238	0.85908	-0.00117	0.9799	0.057765	0.21276
1.14E-13	0.10189	0.02769	-0.14669	0.00148	-0.1786	0.0001	-0.07363	0.11206
0.48166	-0.026	0.57516	-0.1888	4.02E-05	-0.13968	0.00248	-0.19105	3.24E-05
0.12879	0.039403	0.39557	-0.08342	0.07169	0.009922	0.83067	-0.08276	0.07397
0.18394	-0.00422	0.92745	0.012845	0.78189	-0.02145	0.6438	-0.05133	0.26829
0.90767	0.126849	0.00605	0.045579	0.32568	0.044409	0.33827	0.116446	0.01179
1.82E-06	-0.08244	0.07512	-0.0437	0.34603	-0.15949	0.00054	-0.1932	2.63E-05
0.0055	0.218448	1.88E-06	0.004229	0.92738	0.100841	0.02934	0.208021	5.82E-06
0.19103	-0.05681	0.2204	0.144162	0.00179	-0.11376	0.0139	-0.07335	0.11341
0.00147	-0.1688	0.00025	0.030196	0.51508	-0.00204	0.96501	-0.21481	2.81E-06
0.06538	0.16957	0.00023	0.243155	1.03E-07	0.209929	4.75E-06	0.285408	3.34E-10
5.70E-06	-0.02367	0.60996	0.004387	0.92468	0.072895	0.11569	-0.0089	0.84786
0.06871	-0.17105	0.0002	-0.2247	9.31E-07	-0.31784	2.02E-12	-0.32765	3.79E-13
0.11684	0.107638	0.01999	0.081484	0.07856	0.176621	0.00012	0.209373	5.04E-06
2.51E-07	0.043136	0.35231	-0.04327	0.35082	-0.11185	0.01559	-0.03093	0.50488
1.92E-05	0.061057	0.18779	0.005253	0.90985	0.000876	0.98493	0.016691	0.71902
0.73753	-0.03628	0.43406	-0.10272	0.02644	-0.02926	0.52817	-0.03541	0.44518
0.49448	-0.00159	0.97275	-0.02327	0.61588	0.00897	0.8467	-0.00424	0.92726
0.55498	-0.01403	0.76229	-0.05973	0.19759	0.01603	0.72972	0.007239	0.87602
0.83686	-0.02382	0.60766	-0.0947	0.0408	-0.0412	0.37433	-0.03594	0.43841
0.87944	-0.0426	0.35833	-0.12435	0.00714	-0.08348	0.07149	-0.07497	0.10567
6.27E-05	0.014934	0.74755	0.015563	0.73729	-0.05685	0.2201	-0.00294	0.94947
0.78781	-0.0138	0.76611	-0.0003	0.99486	-0.0394	0.39564	-0.03612	0.4362
0.35627	0.030215	0.51481	0.026954	0.56122	-0.02234	0.63011	-0.00431	0.92593
0.84438	-0.01424	0.75888	-0.05442	0.24049	-0.05949	0.19938	-0.06303	0.17393
0.74157	-0.0233	0.61549	-0.01093	0.81379	-0.00557	0.90439	-0.00916	0.84357
0.659	0.014747	0.7506	-0.05499	0.2356	-0.02637	0.56976	0.027024	0.56021
7.74E-07	-0.13329	0.00391	-0.20821	5.70E-06	-0.17454	0.00015	-0.18992	3.61E-05
0.45541	0.241918	1.21E-07	0.101072	0.02897	0.207755	5.98E-06	0.314698	3.40E-12
0.08513	0.030308	0.51353	-0.0458	0.32333	-0.03051	0.51071	-0.00974	0.8337
0.53002	0.059253	0.2012	0.143936	0.00182	0.176492	0.00013	0.242618	1.11E-07
0.98781	-0.0372	0.42255	-0.07577	0.10196	-0.07641	0.09908	-0.12014	0.00935
0.51836	-0.03525	0.44723	0.151703	0.00101	-0.09857	0.03321	-0.10137	0.02849
0.25414	-0.0351	0.44928	0.010515	0.82072	-0.12384	0.00738	-0.13184	0.00432
0.00197	0.035618	0.44256	-0.02754	0.5528	0.095424	0.03927	0.118558	0.01034
0.00014	-0.01135	0.80678	-0.01573	0.73464	-0.15578	0.00073	-0.08778	0.05803
0.02359	0.010223	0.82562	-0.03862	0.40505	-0.08789	0.0577	-0.01989	0.66811
0.26207	0.089211	0.05404	-0.0146	0.75293	-0.09178	0.04746	0.014864	0.74869
0.95444	0.065222	0.15937	0.061762	0.18274	-0.0412	0.37433	-0.00014	0.99767
0.81966	0.065002	0.16079	-0.092	0.04691	-0.09382	0.04272	-0.07921	0.0873

0.10644	0.108397	0.01912	-0.00038	0.9934	0.015836	0.73286	0.103597	0.02517
0.33119	0.160081	0.00052	-0.15763	0.00063	0.069248	0.13511	0.118093	0.01065
0.01401	-0.00738	0.87359	0.001132	0.98054	-0.03001	0.51768	-0.02065	0.65629
0.14111	0.314611	3.45E-12	0.054579	0.23913	-0.00456	0.92165	0.119832	0.00954
8.19E-08	0.022196	0.63234	-0.10956	0.01787	-0.17003	0.00022	-0.11007	0.01734
0.11468	0.064517	0.16394	0.220908	1.43E-06	0.005977	0.89751	0.125865	0.00646
0.53167	-0.00243	0.95817	-0.11228	0.0152	-0.06262	0.17675	-0.07196	0.12045
0.96852	-0.08796	0.05751	0.064886	0.16154	0.120436	0.00918	-0.0712	0.12442
0.01158	-0.06248	0.1777	0.153217	0.00089	0.124765	0.00694	0.03975	0.39142
6.27E-06	0.073596	0.11222	-0.05271	0.25563	-0.00505	0.91328	0.060597	0.19114
0.00557	0.181876	7.72E-05	-0.06249	0.17761	-0.02887	0.53378	0.065746	0.15604
4.56E-08	0.009476	0.83817	0.110452	0.01695	0.020901	0.65234	0.071564	0.1225
3.01E-05	-0.00495	0.91507	-0.07601	0.10091	-0.00583	0.90007	-0.08953	0.05317
0.04084	-0.06057	0.19131	0.189959	3.60E-05	0.027196	0.55772	-0.04921	0.28855
6.28E-06	0.051858	0.26339	0.01131	0.80741	-0.01763	0.70389	0.052301	0.25933
1.11E-05	-0.0032	0.94502	-0.19413	2.40E-05	-0.19537	2.12E-05	-0.09813	0.03399
0.07997	0.009236	0.84221	-0.02142	0.6443	-0.01377	0.76661	-0.0106	0.81925
6.19E-06	-0.14039	0.00236	-0.13881	0.00264	-0.20521	7.81E-06	-0.23214	3.92E-07
0.00011	-0.12389	0.00735	-0.02253	0.62722	0.103075	0.02592	-0.11444	0.01334
8.63E-14	0.118871	0.01014	0.058934	0.20364	0.003092	0.94687	0.166869	0.00029
0.14261	0.02083	0.65344	0.046203	0.3191	0.037414	0.41988	0.015236	0.74262
0.39757	-0.09556	0.039	-0.16389	0.00038	-0.13473	0.00353	-0.23984	1.56E-07
3.83E-13	0.050103	0.27992	-0.13667	0.00308	-0.10191	0.02765	-0.06014	0.19451
0.16404	-0.03157	0.49609	-0.0719	0.12074	-0.09269	0.04528	-0.02738	0.55511
3.20E-07	0.042334	0.36135	-0.00582	0.9002	0.008508	0.85451	0.093288	0.04391
0.2688	0.08974	0.05262	0.065696	0.15636	-0.00624	0.893	0.052555	0.25702
0.00688	0.107221	0.02047	0.286093	3.01E-10	0.144277	0.00177	0.255692	2.09E-08
0.00022	0.243694	9.67E-08	0.148175	0.00132	0.000758	0.98697	0.194851	2.23E-05
0.00926	0.295659	7.11E-11	-0.01416	0.76022	0.151273	0.00104	0.293408	1.00E-10
0.00264	-0.009	0.84625	0.140692	0.00231	0.150065	0.00114	-0.00262	0.95496
3.19E-13	-0.05057	0.27545	0.085237	0.06571	0.044148	0.34112	-0.01185	0.79835
0.01322	0.269043	3.47E-09	-0.03643	0.43218	0.028563	0.53808	0.18889	3.99E-05
1.25E-05	0.059157	0.20193	0.020427	0.65972	-0.04533	0.32834	-0.00132	0.97732
0.65108	-0.01576	0.73403	-0.13455	0.00358	-0.09287	0.04486	-0.12776	0.0057
0.00295	0.054809	0.23715	-0.2065	6.82E-06	-0.17316	0.00017	-0.11865	0.01028
0.23518	-0.01627	0.72584	0.001911	0.96714	-0.01967	0.67153	-0.05013	0.27964
0.00014	0.03602	0.43742	-0.00194	0.96667	0.028337	0.54129	0.032114	0.48875
0.15141	-0.01529	0.7417	0.070976	0.12562	-0.01906	0.68118	-0.025	0.58996
2.14E-11	0.060527	0.19166	-0.05289	0.25395	-0.0398	0.39085	0.022487	0.62788
0.00398	-0.14046	0.00235	-0.05352	0.2484	-0.04161	0.36968	-0.06583	0.15551
0.12128	0.049314	0.28757	-0.22999	5.05E-07	-0.09976	0.03113	-0.0679	0.14291
0.25344	-0.12632	0.00627	-0.14646	0.0015	-0.1929	2.71E-05	-0.2746	1.59E-09
0.00013	-0.14243	0.00203	-0.13099	0.00458	-0.27605	1.30E-09	-0.31191	5.38E-12
0.87738	-0.01843	0.69118	-0.09463	0.04095	-0.08129	0.07928	-0.10243	0.02687
0.30517	-0.01203	0.79544	0.091135	0.04904	0.045893	0.32236	-0.07109	0.12501

0.19138	0.011348	0.80678	0.080029	0.08407	0.027159	0.55824	0.033305	0.47276
0.75072	-0.165	0.00034	0.127199	0.00591	-0.17261	0.00018	-0.22324	1.10E-06
0.15741	0.003143	0.946	-0.08711	0.05998	0.064274	0.16554	0.072942	0.11545
0.27632	-0.12413	0.00724	0.141475	0.00218	-0.08729	0.05943	-0.08855	0.05584
0.924	0.025615	0.58085	-0.08601	0.06328	-0.08485	0.06696	0.078026	0.09214
0.57668	0.044295	0.33952	-0.01906	0.68117	-0.09375	0.04287	0.05468	0.23826
0.88921	0.00125	0.9785	-0.01499	0.74656	-0.01694	0.71499	0.003913	0.93279
0.41128	0.01077	0.81645	-0.10812	0.01943	-0.0538	0.24594	0.035264	0.4471
0.41561	-0.05861	0.20612	-0.02435	0.59972	-0.12467	0.00699	-0.18296	6.98E-05
0.48519	-0.07459	0.10745	-0.07941	0.0865	-0.17803	0.00011	-0.20286	9.95E-06
0.98154	0.18246	7.32E-05	-0.03651	0.43123	-0.01541	0.73979	0.092349	0.04609
4.47E-12	0.062963	0.17435	-0.05559	0.23056	0.012338	0.7903	0.10598	0.02199
0.06399	0.055789	0.22885	0.125027	0.00683	0.096794	0.03652	0.206503	6.82E-06
0.0829	0.033527	0.46981	0.178632	0.0001	0.233536	3.33E-07	0.28401	4.10E-10
0.00017	0.034455	0.4576	-0.13494	0.00348	-0.04855	0.29511	0.005135	0.91188
0.33183	-0.02588	0.57698	-0.10686	0.0209	-0.04407	0.34193	-0.06602	0.15434
0.80071	0.083847	0.07025	0.005855	0.89958	0.057009	0.21882	0.132302	0.00418
0.44974	-0.02329	0.61569	-0.24405	9.26E-08	-0.13732	0.00294	-0.12156	0.00854
4.40E-07	0.023446	0.61329	0.092799	0.04503	0.005915	0.89856	0.102903	0.02617
2.74E-15	-0.12459	0.00702	0.03847	0.40686	-0.01982	0.66916	-0.15629	0.0007
0.11982	-0.00627	0.89247	-0.00522	0.91045	-0.04597	0.32151	-0.04616	0.31955
0.46807	0.248931	5.01E-08	0.050846	0.27284	0.243849	9.49E-08	0.357712	1.53E-15
0.09424	0.001606	0.97239	0.021026	0.65039	-0.0305	0.51086	-0.03438	0.45852
0.01334	-0.14268	0.00199	0.160239	0.00051	0.271161	2.58E-09	0.06346	0.17097
0.86065	0.135947	0.00324	-0.01996	0.66706	0.022095	0.63389	0.153727	0.00086
0.71155	0.020882	0.65263	-0.10644	0.02142	-0.067	0.1483	-0.04605	0.32071
0.09032	0.098886	0.03264	-0.07154	0.12262	-0.00794	0.86408	0.059889	0.19639
0.0006	0.092715	0.04523	0.169083	0.00024	0.112493	0.01501	0.136153	0.0032
1.59E-13	0.034106	0.46217	-0.19145	3.12E-05	-0.0791	0.08774	-0.01885	0.68447
0.30914	-0.1575	0.00064	0.02891	0.53314	-0.02697	0.56101	-0.08481	0.06707
0.04266	-0.08169	0.0778	0.095442	0.03924	-0.15598	0.00072	-0.22369	1.04E-06
0.00794	-0.14332	0.0019	-0.04181	0.36734	-0.152	0.00098	-0.26626	5.08E-09
0.97692	-0.02009	0.66507	-0.02338	0.61423	-0.09628	0.03754	-0.05458	0.2391
0.00242	0.038956	0.40096	0.039237	0.39756	-0.02582	0.57775	0.030565	0.50996
0.04465	0.198704	1.52E-05	-0.0844	0.06842	0.064877	0.1616	0.059175	0.20179
0.43632	-0.02075	0.65465	0.012806	0.78254	-0.03186	0.49215	-0.05421	0.24229
0.57267	0.011383	0.80619	-0.06007	0.195	-0.06066	0.19067	-0.0381	0.41135
0.81647	0.01262	0.78562	-0.14587	0.00157	-0.13577	0.00328	-0.10704	0.02069
0.22526	-0.03246	0.48412	-0.10937	0.01806	-0.15815	0.0006	-0.17237	0.00018
0.44786	-0.00573	0.90173	0.182033	7.61E-05	0.338857	5.19E-14	0.229027	5.65E-07
8.70E-07	0.080467	0.08238	-0.05675	0.22095	-0.04694	0.31142	-0.07284	0.11598
0.04834	0.000307	0.99473	-0.07202	0.12012	-0.02226	0.6313	-0.01378	0.76646
0.34551	-0.01919	0.6791	-0.03344	0.471	0.014188	0.75976	-0.04321	0.35149
0.29398	0.023235	0.61649	0.150653	0.00109	0.055243	0.23345	0.091551	0.04801
0.16187	0.036275	0.43418	0.089294	0.05381	0.135074	0.00345	0.128224	0.00552

7.17E-08	-0.02433	0.59995	0.103238	0.02568	0.062831	0.17526	0.030243	0.51444
0.88979	0.277624	1.04E-09	0.129353	0.00512	0.192495	2.82E-05	0.379675	1.84E-17
0.67008	0.027959	0.54671	0.080413	0.08258	0.075843	0.10164	0.115922	0.01218
0.03463	-0.08926	0.0539	-0.16758	0.00028	-0.04573	0.32404	-0.14187	0.00212
0.00128	0.007179	0.87703	-0.23719	2.15E-07	-0.15679	0.00067	-0.0872	0.05971
0.35575	0.303769	2.00E-11	0.184767	5.90E-05	0.22401	1.01E-06	0.376641	3.46E-17
0.73331	-0.05015	0.27951	-0.09233	0.04614	-0.15266	0.00093	-0.15344	0.00088
0.10069	0.071331	0.12373	0.08331	0.07208	0.019256	0.67811	0.186023	5.24E-05
0.18493	-0.07803	0.09211	0.163444	0.00039	0.078726	0.08925	-0.10283	0.02627
0.00012	0.053312	0.25023	-0.17465	0.00015	-0.13566	0.00331	-0.0817	0.07776
0.12038	0.139726	0.00248	0.049946	0.28143	0.110584	0.01682	0.233321	3.41E-07
5.85E-15	-0.03302	0.47652	-0.08107	0.08011	-0.0633	0.17208	-0.05983	0.19681
0.33047	0.075883	0.10146	0.226865	7.26E-07	0.221079	1.40E-06	0.262953	7.97E-09
3.59E-09	0.096219	0.03766	0.074518	0.10777	0.077744	0.09333	0.178167	0.00011
0.12635	0.05416	0.24276	0.18906	3.93E-05	0.118622	0.0103	0.188188	4.27E-05
0.85426	0.023519	0.61219	0.176873	0.00012	0.078457	0.09035	0.051476	0.26693
0.0018	-0.00418	0.92823	-0.05882	0.20453	-0.02147	0.64352	-0.02712	0.55878
0.84488	0.055557	0.2308	-0.08576	0.06406	-0.05256	0.25695	-0.05142	0.26746
1.77E-05	0.049058	0.29008	0.07789	0.09271	0.053195	0.25126	0.054314	0.24142
0.5961	0.164894	0.00035	0.219232	1.72E-06	0.237995	1.95E-07	0.235263	2.71E-07
0.82197	0.08525	0.06567	-0.05458	0.23915	-0.05565	0.23	-0.00874	0.8506
0.02822	0.111708	0.01573	0.055469	0.23154	-0.01511	0.74469	0.0973	0.03555
0.44467	0.022604	0.62609	-0.06525	0.15916	0.001217	0.97907	-0.03084	0.50612
0.2778	0.215404	2.63E-06	0.139723	0.00248	0.253436	2.81E-08	0.28902	1.95E-10
4.57E-05	0.017011	0.71388	0.08755	0.05869	-0.07672	0.09773	0.020055	0.66554
0.51667	0.125777	0.0065	0.004519	0.92241	0.09204	0.04682	0.049287	0.28783
2.94E-07	0.087007	0.06028	0.195176	2.16E-05	0.233206	3.46E-07	0.273041	1.99E-09
0.64332	0.021646	0.6408	0.051511	0.26661	-0.02363	0.6105	0.010085	0.82793
0.05698	-0.05688	0.2199	-0.15776	0.00062	-0.15695	0.00066	-0.18252	7.28E-05
0.17633	0.217674	2.05E-06	0.166559	0.0003	-0.00808	0.8617	0.117357	0.01115
3.46E-12	0.021202	0.64768	-0.13433	0.00363	-0.08858	0.05577	-0.00546	0.9064
0.06185	0.07269	0.11671	-0.00577	0.90099	-0.03713	0.42341	0.008859	0.84857
0.91587	-0.08203	0.07656	-0.06525	0.15922	-0.04206	0.36444	-0.15367	0.00086
3.02E-05	0.109197	0.01825	-0.02385	0.60716	-0.02775	0.54966	0.059065	0.20263
0.00124	-0.06184	0.18219	-0.01588	0.7322	-0.09756	0.03505	-0.11771	0.01091
0.04741	0.314137	3.73E-12	-0.08594	0.06351	0.021045	0.65011	0.258739	1.40E-08
0.13795	0.274076	1.72E-09	0.128483	0.00543	0.215462	2.61E-06	0.343916	2.06E-14
0.02415	-0.0981	0.03406	-0.02266	0.6252	0.131694	0.00436	-0.0758	0.10183
0.06722	0.015697	0.73512	0.231364	4.30E-07	0.091084	0.04917	0.055927	0.2277
3.11E-09	0.086544	0.06166	0.101727	0.02794	0.168431	0.00026	0.140795	0.00229
0.08862	0.140595	0.00232	0.066366	0.15217	0.005693	0.90234	0.14349	0.00188
0.20202	0.022995	0.62013	0.136764	0.00306	0.272289	2.21E-09	0.279935	7.43E-10
1.64E-06	0.083247	0.07229	0.008653	0.85206	0.014267	0.75846	0.115118	0.0128
0.07281	0.005214	0.91053	0.24637	6.92E-08	0.18582	5.34E-05	0.195578	2.08E-05
2.22E-05	-0.01956	0.67337	-0.12837	0.00547	-0.15096	0.00107	-0.11943	0.00979

9.55E-09	0.001011	0.98262	-0.11191	0.01554	-0.1184	0.01044	-0.10284	0.02627
0.56259	0.065042	0.16053	-0.10108	0.02896	-0.06348	0.17086	-0.02191	0.63672
0.1454	0.013343	0.77367	-0.06409	0.16678	-0.03178	0.49325	-0.15791	0.00062
0.05336	0.109063	0.01839	-0.15261	0.00094	-0.00087	0.98506	0.083964	0.06986
0.46939	-0.04707	0.31006	0.083144	0.07264	0.049182	0.28886	0.037713	0.41617
0.16512	0.038202	0.41014	-0.15915	0.00056	-0.17111	0.0002	-0.2588	1.39E-08
0.31678	0.051614	0.26564	0.202249	1.06E-05	0.106043	0.02191	0.179179	9.89E-05
0.06232	-0.03098	0.50428	-0.14354	0.00187	-0.14343	0.00189	-0.09493	0.0403
0.16427	0.000675	0.98838	-0.16916	0.00024	-0.12864	0.00537	-0.09072	0.05009
0.90548	-0.09512	0.0399	-0.07852	0.0901	-0.1414	0.00219	-0.19008	3.56E-05
0.25233	0.062411	0.17817	0.097688	0.03482	0.047326	0.30747	0.108849	0.01863
0.10634	-0.02721	0.55748	-0.11569	0.01235	-0.09649	0.03712	-0.09182	0.04736
0.35609	-0.13812	0.00278	-0.08786	0.05778	-0.25386	2.66E-08	-0.28681	2.71E-10
0.24599	0.068951	0.1368	-0.07134	0.12368	0.046753	0.31336	0.129637	0.00502
0.51076	-0.02783	0.54851	-0.04927	0.28799	-0.17388	0.00016	-0.16235	0.00043
0.50115	0.001497	0.97427	-0.10596	0.02201	-0.05633	0.22437	-0.09954	0.03149
0.11195	0.024827	0.59254	-0.0819	0.07706	-0.0966	0.03691	-0.00277	0.95233
0.94187	0.06331	0.17199	0.066768	0.1497	-0.05163	0.26554	0.000506	0.9913
0.06038	-0.11295	0.0146	-0.1758	0.00013	-0.12045	0.00918	-0.21544	2.62E-06
0.02992	0.15772	0.00062	0.333929	1.26E-13	0.225524	8.47E-07	0.372457	8.16E-17
0.04055	0.012408	0.78913	-0.09329	0.04391	-0.07151	0.12279	-0.01491	0.74799
0.64762	0.124937	0.00687	-0.13326	0.00391	-0.0005	0.99145	0.067643	0.14442
0.00043	0.058074	0.21032	-0.0513	0.26859	-0.02775	0.54977	-0.00483	0.91702
0.91338	0.001665	0.97138	0.024236	0.60139	0.034796	0.45315	0.074179	0.10939
0.17086	0.000687	0.98818	0.095629	0.03885	0.127128	0.00594	0.073898	0.11075
0.01133	-0.0207	0.65553	-0.00435	0.92533	-0.03893	0.40125	-0.01951	0.67413
0.26337	0.055596	0.23047	-0.13582	0.00327	-0.03815	0.41079	0.049777	0.28306
4.71E-08	-0.13361	0.00382	0.146118	0.00154	0.089502	0.05325	-0.06098	0.18835
0.09667	-0.02127	0.64657	-0.04729	0.3078	0.005353	0.90816	-0.01212	0.79386
2.54E-07	-0.01343	0.77223	0.099672	0.03128	0.123752	0.00742	0.048394	0.29667
0.07679	0.103267	0.02564	0.081484	0.07856	0.136721	0.00307	0.249821	4.47E-08
0.35215	-0.1008	0.0294	-0.0327	0.48086	-0.10107	0.02898	-0.17659	0.00013
0.79467	-0.23431	3.03E-07	-0.17311	0.00017	-0.14074	0.0023	-0.27853	9.09E-10
0.00236	0.153431	0.00088	0.223859	1.02E-06	0.225146	8.85E-07	0.195461	2.10E-05
9.66E-08	-0.04071	0.38003	0.301262	2.97E-11	0.085068	0.06625	0.006929	0.88129
0.33766	-0.08504	0.06635	0.015243	0.7425	0.000208	0.99642	-0.12954	0.00505
0.00041	0.127038	0.00598	0.229487	5.36E-07	0.052742	0.25533	0.167985	0.00027
6.24E-05	-0.05156	0.26612	-0.02142	0.64423	0.069216	0.13529	0.010776	0.81634
0.00238	0.007381	0.87361	0.318166	1.91E-12	0.139306	0.00255	0.151309	0.00104
0.03312	-0.30394	1.95E-11	0.025292	0.58563	-0.18146	8.03E-05	-0.28663	2.78E-10
0.03306	-0.03364	0.46827	-0.06385	0.16837	-0.08775	0.0581	-0.11705	0.01136
0.00052	-0.19715	1.78E-05	-0.12825	0.00551	-0.10688	0.02088	-0.33741	6.75E-14
8.69E-07	-0.04522	0.32955	0.176939	0.00012	0.283704	4.29E-10	0.149721	0.00117
0.95341	-0.18643	5.04E-05	0.199111	1.46E-05	-0.06605	0.15412	-0.19408	2.41E-05
0.77911	-0.15739	0.00064	-0.23097	4.51E-07	-0.19991	1.35E-05	-0.29702	5.76E-11

0.9539	-0.08188	0.07712	0.128073	0.00558	-0.06386	0.16827	-0.12922	0.00516
0.14572	0.020541	0.65794	0.069823	0.13189	0.077769	0.09322	0.074278	0.10892
2.82E-08	-0.11475	0.01309	-0.0397	0.39197	-0.04116	0.37478	-0.14896	0.00124
0.00015	-0.00928	0.84156	0.045579	0.32569	-0.05221	0.26014	-0.07676	0.09755
2.49E-06	0.039822	0.39056	0.177437	0.00012	0.075474	0.10332	0.089489	0.05329
0.01524	-0.09396	0.04241	-0.08929	0.05382	-0.11713	0.0113	-0.19016	3.53E-05
4.09E-07	0.081981	0.07675	0.133868	0.00375	0.145273	0.00165	0.234333	3.02E-07
1.01E-13	-0.18781	4.42E-05	-0.08513	0.06605	-0.06829	0.14064	-0.26988	3.09E-09
0.10767	0.137979	0.00281	-0.11375	0.01391	0.052714	0.25558	0.139065	0.0026
4.93E-09	-0.02618	0.57248	0.074442	0.10814	0.044736	0.33473	0.023478	0.6128
0.00064	0.246358	6.93E-08	0.014837	0.74914	0.069465	0.13389	0.202485	1.03E-05
0.02207	0.088215	0.05679	0.295779	6.98E-11	0.181437	8.04E-05	0.190741	3.34E-05
0.17791	-0.1527	0.00093	-0.22359	1.06E-06	-0.21335	3.29E-06	-0.29643	6.31E-11
0.07528	-0.04302	0.35363	0.001523	0.97382	-0.13044	0.00475	-0.09701	0.03611
3.61E-09	0.145567	0.00161	-0.00364	0.9374	0.155988	0.00072	0.227938	6.42E-07
0.39763	-0.03015	0.51572	-0.08878	0.05522	-0.06825	0.14083	-0.09559	0.03893
0.03949	0.145194	0.00166	0.033255	0.47342	0.193203	2.63E-05	0.356305	2.00E-15
0.89754	0.006171	0.89419	-0.08991	0.05218	0.03652	0.43108	0.025137	0.58792
0.01354	-0.02591	0.5765	0.12336	0.00761	0.062877	0.17495	-0.00334	0.94258
0.27204	0.09524	0.03966	0.0616	0.18389	0.028828	0.53431	0.048591	0.2947
0.58479	0.036016	0.43746	0.090311	0.05113	0.195494	2.10E-05	0.18402	6.33E-05
0.02651	-0.07551	0.10314	0.100707	0.02956	-0.02927	0.52809	-0.10237	0.02695
2.29E-06	-0.10517	0.02302	0.064277	0.16552	-0.12166	0.00849	-0.15194	0.00099
2.61E-06	-0.28597	3.07E-10	0.016713	0.71867	-0.20723	6.32E-06	-0.32685	4.35E-13
8.33E-09	0.055631	0.23017	0.093399	0.04366	0.041728	0.36827	0.15988	0.00052
0.79573	0.008429	0.85585	-0.0065	0.88854	-0.02459	0.59609	0.000927	0.98406
0.00798	0.106931	0.02082	0.012579	0.78629	0.023261	0.6161	0.201271	1.17E-05
0.5245	-0.01679	0.71746	0.149752	0.00117	0.01159	0.80274	-0.01119	0.80945
0.01971	-0.15404	0.00084	0.299324	4.03E-11	0.085212	0.06579	0.030458	0.51145
0.13883	-0.0464	0.31705	-0.05785	0.21208	-0.01971	0.67103	-0.03922	0.39775
0.10384	-0.16421	0.00037	-0.21414	3.02E-06	-0.19665	1.87E-05	-0.2094	5.03E-06
0.06837	0.003879	0.93337	-0.1221	0.00826	-0.10098	0.02911	-0.05768	0.21346
0.00691	-0.02983	0.52018	-0.09029	0.05118	-0.02573	0.57915	-0.05101	0.27131
0.00099	0.110282	0.01712	0.077507	0.09433	0.085612	0.06453	0.176779	0.00012
0.00286	0.040032	0.38807	-0.10227	0.02711	0.028165	0.54377	0.06488	0.16158
3.63E-09	0.110983	0.01642	-0.04301	0.35376	-0.05169	0.26496	0.008906	0.84779
4.44E-06	0.021565	0.64205	-0.06648	0.15149	-0.03785	0.41448	-0.03659	0.43015
0.13011	0.436781	3.54E-23	0.007153	0.87748	0.012193	0.79271	0.051501	0.26669
0.97969	0.030223	0.51471	0.177689	0.00011	0.135296	0.0034	0.143101	0.00193
0.04271	0.050673	0.27447	-0.01622	0.72671	-0.0158	0.73352	0.04569	0.32451
0.53596	0.048011	0.3005	-0.01172	0.80061	-0.01132	0.80726	0.013541	0.7704
0.02363	-0.06699	0.14834	0.074537	0.10769	-0.02453	0.59694	-0.14086	0.00228
0.01337	0.001888	0.96754	0.004601	0.92101	-0.07059	0.12766	-0.0259	0.57661
5.03E-14	0.007191	0.87683	-0.06024	0.1938	-0.12706	0.00597	-0.05197	0.26239
0.11495	-0.0253	0.58546	-0.15859	0.00058	-0.09501	0.04013	-0.09653	0.03705



1.16E-06	0.146913	0.00145	-0.00642	0.89002	0.047078	0.31001	0.154087	0.00084
0.00024	-0.12841	0.00545	0.184839	5.86E-05	0.059682	0.19794	0.079831	0.08483
0.43915	0.144289	0.00177	0.414632	7.90E-21	0.277383	1.07E-09	0.354681	2.73E-15
0.91503	0.082098	0.07633	0.264378	6.57E-09	0.137756	0.00285	0.255314	2.20E-08
0.94779	-0.16584	0.00032	-0.30724	1.15E-11	-0.28908	1.93E-10	-0.40582	6.09E-20
0.39069	-0.11632	0.01188	0.055649	0.23003	-0.11958	0.00969	-0.17947	9.63E-05
0.3121	-0.03326	0.47342	-0.15287	0.00092	-0.14809	0.00133	-0.14273	0.00199
0.03	-0.06107	0.18773	-0.16083	0.00048	-0.14987	0.00116	-0.17541	0.00014
0.00203	-0.00139	0.9761	-0.14543	0.00163	-0.11099	0.01642	-0.04204	0.3647
3.22E-06	-0.22405	1.00E-06	-0.16414	0.00037	-0.14696	0.00145	-0.26825	3.87E-09
0.0055	-0.08445	0.06825	-0.15206	0.00098	-0.224	1.01E-06	-0.21196	3.82E-06
0.01602	-0.04456	0.33665	-0.03228	0.48649	-0.18622	5.14E-05	-0.17829	0.00011
0.21727	0.167941	0.00027	-0.03634	0.43332	0.182725	7.14E-05	0.324822	6.17E-13
0.17293	-0.02133	0.64572	-0.10867	0.01882	-0.1067	0.02109	-0.10039	0.03007
0.00718	0.016335	0.72479	-0.03378	0.46649	-0.09005	0.05179	0.035842	0.43968
4.70E-07	-0.12016	0.00935	0.004024	0.93089	0.136268	0.00317	0.032333	0.48578
0.08787	0.060931	0.18871	0.050684	0.27437	0.002531	0.9565	0.040921	0.37761
0.54121	0.052704	0.25568	-0.2356	2.60E-07	-0.05712	0.21791	-0.02642	0.56905
0.66226	0.003265	0.9439	-0.052	0.26205	-0.04026	0.38534	-0.06224	0.1794
0.54091	0.02553	0.5821	-0.06784	0.14325	-0.02267	0.62507	0.077166	0.0958
0.00056	0.017909	0.6995	0.087311	0.05938	0.104873	0.02342	0.162324	0.00043
0.1055	0.027487	0.5535	0.092505	0.04572	-0.12048	0.00916	-0.06073	0.19017
0.84812	0.02224	0.63167	0.054726	0.23786	0.009136	0.8439	0.006884	0.88205
1.53E-05	-0.00507	0.91304	-0.11289	0.01465	-0.11676	0.01156	-0.08316	0.0726
0.5073	0.033627	0.46849	-0.01198	0.79617	0.045106	0.33073	0.068135	0.14151
8.88E-06	-0.03366	0.46807	0.113165	0.01441	0.125555	0.00659	0.118966	0.01008
2.02E-09	0.029363	0.52674	0.050332	0.27772	0.128988	0.00524	0.076349	0.09937
1.12E-08	0.0043	0.92616	0.049936	0.28152	0.099735	0.03117	0.145321	0.00164
0.03891	0.14138	0.0022	0.020074	0.66524	-0.0004	0.99305	0.107842	0.01975
0.5507	-0.08168	0.07785	-0.14256	0.00201	-0.01811	0.69621	-0.05397	0.24441
0.09831	0.119626	0.00967	0.245062	8.16E-08	0.18486	5.85E-05	0.256188	1.96E-08
1.14E-07	0.021408	0.64448	0.287407	2.48E-10	0.273809	1.78E-09	0.31255	4.85E-12
0.22436	0.032475	0.48387	-0.01666	0.7196	-0.08387	0.07016	-0.05784	0.21218
0.12985	0.028969	0.53231	0.043223	0.35135	-0.04979	0.28294	0.027824	0.54865
0.00013	-0.00779	0.86661	0.079078	0.08783	0.054359	0.24103	0.041412	0.3719
0.50402	-0.01632	0.72503	0.030243	0.51443	0.014774	0.75016	-0.07155	0.12255
4.52E-11	0.179947	9.22E-05	0.051111	0.27035	-0.02647	0.56835	0.040967	0.37707
0.11371	-0.15694	0.00067	-0.06316	0.17299	-0.13283	0.00403	-0.26185	9.24E-09
0.14858	-0.06719	0.14713	-0.10176	0.02789	-0.17521	0.00014	-0.11358	0.01405
4.42E-12	0.009466	0.83834	-0.09389	0.04256	0.043791	0.34504	-0.01285	0.78184
1.36E-11	0.091858	0.04726	0.056969	0.21914	0.058134	0.20985	0.13294	0.004
0.26211	0.118886	0.01013	-0.04873	0.29331	0.112157	0.01531	0.126763	0.00609
0.31053	-0.08737	0.05922	-0.15762	0.00063	-0.13899	0.00261	-0.13857	0.00269
0.01119	-0.0773	0.09523	0.082979	0.07322	0.067203	0.14705	0.104259	0.02425
0.201	-0.15519	0.00077	-0.05127	0.26887	-0.18962	3.72E-05	-0.2817	5.75E-10

0.00036	0.104097	0.02447	0.004719	0.919	-0.0624	0.17822	0.085779	0.064
0.87988	-0.01642	0.72343	-0.03387	0.4653	0.010551	0.82011	-0.03944	0.39514
0.84584	-0.01642	0.72333	0.025772	0.57852	-0.01086	0.81488	-0.02389	0.60651
4.82E-07	0.005197	0.91082	-0.15856	0.00058	-0.06802	0.14218	-0.03734	0.42077
0.5468	0.01742	0.70731	-0.05352	0.24842	-0.04294	0.3545	-0.01743	0.70713
0.88148	-0.10451	0.0239	-0.26921	3.39E-09	-0.12857	0.00539	-0.13555	0.00334
0.58331	0.139069	0.0026	0.245434	7.79E-08	0.242821	1.08E-07	0.304661	1.74E-11
0.00411	0.040683	0.38039	-0.01463	0.75247	-0.04728	0.30793	0.059545	0.19897
9.32E-07	-0.08845	0.05612	-0.07232	0.11857	-0.07474	0.10674	-0.22316	1.11E-06
0.3559	-0.1821	7.56E-05	-0.23	5.04E-07	-0.23039	4.82E-07	-0.35212	4.45E-15
0.0359	-0.13434	0.00363	-0.12062	0.00907	-0.1125	0.015	-0.25135	3.67E-08
0.6475	0.011755	0.79999	-0.07436	0.10853	-0.08635	0.06225	-0.13281	0.00404
0.49427	0.160331	0.00051	0.176261	0.00013	0.256695	1.83E-08	0.326922	4.29E-13
0.02044	0.014484	0.75491	0.057888	0.21179	0.001028	0.98233	0.048289	0.29772
1.76E-05	0.04005	0.38785	-0.01094	0.81365	-0.08473	0.06735	-0.03436	0.45882
0.01727	0.151943	0.00099	-0.01818	0.69522	0.111314	0.0161	0.256926	1.78E-08
0.00056	0.058884	0.20402	0.365791	3.12E-16	0.218121	1.95E-06	0.309487	7.99E-12
0.6236	0.01539	0.74011	-0.0678	0.1435	-0.02503	0.58954	-0.02946	0.52533
0.39011	0.017538	0.70542	0.006587	0.88711	0.113746	0.01391	0.078927	0.08844
0.70805	0.091119	0.04908	0.335564	9.39E-14	0.289023	1.95E-10	0.348239	9.25E-15
0.11023	0.031076	0.50292	0.184446	6.08E-05	-0.01014	0.82705	0.112834	0.0147
0.82837	-0.04892	0.29149	-0.12644	0.00622	-0.09669	0.03673	-0.11771	0.0109
0.74696	0.015365	0.74051	0.145597	0.00161	0.138117	0.00278	0.06564	0.15671
9.29E-05	0.111709	0.01573	0.047225	0.3085	0.017379	0.70797	0.158309	0.0006
0.11324	0.058243	0.20899	0.196642	1.87E-05	0.071505	0.12281	0.150174	0.00113
0.0005	-0.11941	0.0098	-0.20566	7.45E-06	-0.05076	0.27364	-0.2698	3.12E-09
0.00082	0.029542	0.52424	-0.05439	0.24077	-0.10564	0.02241	-0.1255	0.00662
0.00054	0.072332	0.11853	-0.0693	0.13481	-0.081	0.08036	0.043824	0.34467
0.71927	0.462009	4.53E-26	0.123482	0.00755	0.129399	0.0051	0.361667	7.06E-16
0.00201	-0.00717	0.87722	0.009415	0.83919	-0.0874	0.05913	-0.05662	0.22195
0.0028	0.010986	0.81282	0.071974	0.12037	0.04649	0.3161	0.038378	0.40799
0.02249	-0.16852	0.00025	-0.06302	0.17396	-0.15144	0.00103	-0.24961	4.59E-08
4.22E-09	-0.01553	0.73785	-0.23203	3.97E-07	-0.13658	0.0031	-0.11322	0.01436
0.00472	-0.19522	2.15E-05	-0.1583	0.0006	-0.23924	1.67E-07	-0.33777	6.32E-14
0.01541	-0.07638	0.09922	0.155567	0.00074	-0.0027	0.95358	-0.07452	0.10775
0.00077	-0.0359	0.43895	0.13405	0.00371	0.168026	0.00026	0.056658	0.22167
5.22E-05	-0.07873	0.08923	0.09895	0.03253	0.081282	0.07931	-0.05466	0.23845
2.03E-12	-0.06418	0.16618	0.055898	0.22794	0.012195	0.79267	-0.08664	0.06137
0.3298	-0.11867	0.01027	-0.12019	0.00933	-0.18309	6.90E-05	-0.21259	3.57E-06
0.25022	-0.0192	0.67898	-0.23323	3.45E-07	-0.10499	0.02326	-0.09894	0.03254
0.01167	0.121383	0.00864	0.069821	0.13191	0.148567	0.00128	0.249396	4.72E-08
2.41E-13	0.091437	0.04829	0.094749	0.04069	0.041727	0.36828	0.114484	0.0133
1.46E-08	-0.15784	0.00062	-0.09429	0.04169	-0.15831	0.0006	-0.25332	2.85E-08
2.89E-05	0.066802	0.14949	-0.06496	0.16108	-0.03181	0.49289	0.024444	0.59826
0.00105	-0.00644	0.88963	-0.08132	0.07916	-0.12188	0.00838	-0.02654	0.56731

7.43E-06	-0.0109	0.81422	-0.0195	0.67426	-0.10655	0.02129	-0.03747	0.41913
0.45541	0.150844	0.00108	-0.07942	0.08645	0.026404	0.56925	0.129053	0.00522
0.0064	0.041032	0.37631	-0.00287	0.95066	0.095155	0.03983	0.058053	0.21049
0.16498	0.036575	0.43038	-0.10066	0.02963	-0.04742	0.3065	-0.06327	0.17226
5.61E-06	-0.01069	0.81785	0.379793	1.80E-17	0.052338	0.259	0.056065	0.22655
0.0003	0.050408	0.27699	-0.02871	0.53596	-0.1183	0.01051	-0.02099	0.65094
0.00029	0.011543	0.80352	-0.07662	0.09817	-0.01229	0.79103	0.002305	0.96038
0.55876	0.010344	0.82358	-0.00267	0.95415	0.01697	0.71454	0.010546	0.8202
0.95051	-0.03854	0.40602	-0.0138	0.76608	-0.03379	0.46637	-0.07953	0.08601
0.44153	0.011962	0.79655	0.012252	0.79173	0.023961	0.60551	0.01977	0.67001
0.00126	0.031184	0.50143	0.027434	0.55427	-0.00738	0.87362	0.01351	0.7709
0.95904	0.010899	0.81429	-0.05323	0.251	-0.02525	0.58619	-0.01942	0.67556
0.02717	0.040166	0.38648	-0.0306	0.50954	-0.04848	0.29583	-0.03563	0.44238
0.00128	0.051681	0.26503	-0.04682	0.31266	0.052568	0.25691	0.135694	0.0033
0.00052	-0.01613	0.72806	-0.04199	0.36531	-0.01903	0.68172	-0.03342	0.47124
0.00247	-0.03106	0.50316	-0.06653	0.15114	-0.03468	0.45464	-0.04782	0.30245
0.04231	0.015223	0.74284	0.094171	0.04194	0.010382	0.82294	0.020521	0.65825
3.14E-08	0.04705	0.3103	-0.02377	0.60837	-0.07924	0.08718	-0.02522	0.58663
0.31864	0.025293	0.58561	-0.00013	0.99778	-0.14307	0.00194	-0.05629	0.22468
0.01419	-0.15025	0.00113	-0.07204	0.12004	-0.19163	3.06E-05	-0.2082	5.71E-06
1.19E-05	-0.16307	0.0004	-0.21453	2.89E-06	-0.24646	6.85E-08	-0.32122	1.14E-12
0.0913	0.063181	0.17287	0.007574	0.87033	-0.02394	0.60576	-0.01992	0.66761
0.12606	0.117089	0.01133	0.035602	0.44275	0.085018	0.06641	0.077327	0.0951
0.31866	-0.03896	0.40093	-0.13138	0.00446	-0.00323	0.94453	-0.03476	0.45359
1.75E-07	0.079648	0.08555	0.109398	0.01804	0.139478	0.00252	0.212755	3.51E-06
0.06773	-0.04486	0.33333	0.055065	0.23496	-0.05059	0.27529	-0.06633	0.15241
2.16E-12	0.364648	3.92E-16	0.203855	8.99E-06	0.194858	2.23E-05	0.40199	1.45E-19
0.26556	-0.07396	0.11046	0.107132	0.02058	-0.08551	0.06485	-0.10925	0.01819
0.95371	0.02358	0.61126	-0.02653	0.56736	-0.03511	0.44905	0.003837	0.93409
0.08427	0.120006	0.00944	0.085297	0.06552	0.009508	0.83763	0.157632	0.00063
0.37089	0.004547	0.92194	-0.01334	0.77379	-0.0915	0.04812	-0.04727	0.30802
0.12357	-0.03231	0.48615	-0.0226	0.62616	-0.15749	0.00064	-0.08556	0.06468
0.85645	0.039341	0.39632	-0.14229	0.00205	-0.04815	0.29916	-0.06827	0.14074
0.99529	0.007362	0.87394	-0.23655	2.32E-07	-0.13726	0.00295	-0.06861	0.13874
0.39279	-0.05453	0.23957	-0.03842	0.40745	-0.02653	0.56742	-0.0645	0.16404
0.94326	-0.13826	0.00275	0.025869	0.57709	-0.02581	0.57801	-0.21411	3.03E-06
4.44E-05	-0.01594	0.73115	-0.21764	2.06E-06	-0.20767	6.03E-06	-0.11335	0.01425
0.12713	-0.05714	0.21772	-0.09531	0.0395	-0.12221	0.0082	-0.15045	0.00111
0.01582	-0.07335	0.11341	-0.16494	0.00034	-0.20578	7.35E-06	-0.21511	2.72E-06
0.00877	0.058321	0.20838	0.043639	0.34672	0.034754	0.4537	0.075338	0.10395
0.07252	0.132154	0.00423	-0.01577	0.73389	0.084751	0.06727	0.145128	0.00166
0.00894	-0.01579	0.73357	-0.08214	0.07618	-0.0953	0.03953	-0.07741	0.09477
0.00043	-0.19871	1.52E-05	0.139942	0.00244	-0.08438	0.06848	-0.25784	1.58E-08
3.35E-05	0.030919	0.50507	-0.05657	0.22242	-0.04668	0.31412	-0.02679	0.56357
0.57404	0.189285	3.84E-05	0.198892	1.49E-05	0.148051	0.00133	0.314902	3.29E-12

0.97734	-0.00429	0.92628	0.016392	0.72386	0.012628	0.78549	-0.00726	0.87568
0.68795	-0.02179	0.63853	-0.03084	0.50623	-0.0474	0.30674	-0.03437	0.45877
0.19747	-0.00282	0.95156	0.050215	0.27884	-0.00542	0.90702	0.007308	0.87485
3.69E-08	0.034479	0.45729	0.016891	0.7158	0.001306	0.97754	0.048323	0.29737
2.68E-08	0.075732	0.10214	0.095697	0.03871	0.17258	0.00018	0.157981	0.00061
0.04567	0.101171	0.02881	0.060815	0.18955	0.030135	0.51593	0.104635	0.02374
2.39E-09	0.119496	0.00975	0.125739	0.00651	0.068179	0.14126	0.187115	4.73E-05
5.29E-13	0.150377	0.00112	-0.01473	0.75094	-0.039	0.40042	0.120157	0.00935
0.64177	0.144208	0.00178	-0.12061	0.00908	-0.03908	0.39949	0.042193	0.36295
0.36988	-0.01107	0.81145	0.000467	0.99197	0.086421	0.06203	0.019776	0.66992
0.86124	0.023367	0.61448	0.027145	0.55845	-0.02933	0.52719	-0.01304	0.77872
0.00027	0.054272	0.24179	-0.11125	0.01616	0.095016	0.04013	0.152469	0.00095
0.70134	-0.07308	0.11474	0.020237	0.66269	-0.22123	1.38E-06	-0.14557	0.00161
0.00374	0.046327	0.3178	0.11263	0.01488	0.037847	0.41451	0.09419	0.0419
2.07E-07	-0.18787	4.40E-05	0.064627	0.16322	0.106938	0.02081	-0.04525	0.3292
1.42E-07	0.218423	1.89E-06	0.291933	1.26E-10	0.302715	2.36E-11	0.322466	9.23E-13
0.05557	-0.21213	3.75E-06	-0.00137	0.97644	-0.15332	0.00089	-0.1805	8.76E-05
0.51997	0.004356	0.9252	-0.11235	0.01514	-0.09724	0.03566	-0.0961	0.03789
0.85092	-0.01294	0.78026	-0.08761	0.05852	-0.04532	0.32849	-0.03733	0.42092
0.84193	-0.00827	0.85852	-0.04065	0.38082	-0.0563	0.22463	-0.02682	0.56316
0.10628	-0.21558	2.58E-06	0.070315	0.12918	-0.12312	0.00773	-0.32242	9.30E-13
0.10024	-0.17311	0.00017	0.046194	0.31919	-0.14727	0.00142	-0.10461	0.02377
0.61836	-0.06944	0.13403	-0.11482	0.01303	-0.11582	0.01226	-0.11642	0.01182
0.15477	0.208227	5.69E-06	-0.04632	0.31788	-0.03012	0.51613	0.052815	0.25467
0.32788	-0.07342	0.11306	-0.08568	0.0643	-0.13218	0.00422	-0.16331	0.00039
0.55926	0.072123	0.1196	0.05934	0.20053	0.215989	2.47E-06	0.214912	2.78E-06
8.25E-06	-0.11919	0.00994	-0.00606	0.89609	-0.04852	0.29538	-0.18252	7.28E-05
0.14041	-0.07949	0.08618	-0.05685	0.22013	-0.09444	0.04136	-0.15799	0.00061
0.18467	0.118764	0.01021	0.203729	9.10E-06	0.03817	0.41053	0.082175	0.07605
0.28591	-0.09491	0.04034	-0.0492	0.28871	0.047787	0.30277	-0.1062	0.02172
0.5106	-0.1278	0.00568	-0.03588	0.43921	-0.09256	0.04559	-0.18133	8.12E-05
0.61067	0.028012	0.54595	0.065964	0.15467	0.100934	0.02919	-0.00686	0.88248
6.66E-05	0.019008	0.68202	0.036677	0.4291	0.006421	0.88994	-0.01728	0.70961
0.08645	-0.06107	0.18771	-0.12475	0.00695	-0.1479	0.00135	-0.12604	0.00638
2.89E-06	-0.06239	0.1783	-0.19348	2.56E-05	-0.22012	1.56E-06	-0.19608	1.98E-05
0.81898	0.010604	0.81921	0.199455	1.41E-05	0.149433	0.0012	0.150376	0.00112
0.01932	-0.03777	0.41549	0.085229	0.06574	-0.06169	0.18326	-0.14586	0.00157
0.02272	-0.04535	0.32809	-0.00615	0.89452	-0.05514	0.23429	-0.07077	0.12673
0.07183	0.006951	0.88091	-0.10886	0.01861	-0.07732	0.09512	-0.04117	0.37474
0.03815	0.033087	0.47566	-0.03361	0.46877	0.008838	0.84893	0.013782	0.76642
0.26534	0.010972	0.81306	-0.00316	0.94571	-0.05088	0.27253	-0.02172	0.63973
0.64665	0.031705	0.4943	-0.03813	0.41099	-0.06822	0.14104	0.007812	0.86628
0.96052	0.107009	0.02073	0.027325	0.55584	0.151132	0.00105	0.257873	1.57E-08
0.0241	0.084143	0.06926	0.030059	0.517	0.075018	0.10543	0.153091	0.0009
0.03345	0.418889	2.88E-21	0.015905	0.73175	0.156031	0.00072	0.288021	2.26E-10

0.30325	0.040029	0.3881	-0.06245	0.17791	-0.01927	0.67786	-0.0211	0.64931
0.16066	0.026105	0.57363	0.195256	2.15E-05	0.232879	3.60E-07	0.195258	2.15E-05
0.90362	0.227613	6.66E-07	-0.03833	0.40853	-0.05918	0.20174	0.122544	0.00802
0.26041	-0.00517	0.91127	-0.04582	0.32318	-0.09875	0.03288	-0.01585	0.73268
0.00734	-0.0474	0.30668	-0.18573	5.39E-05	-0.07942	0.08646	-0.1183	0.01051
0.38101	0.042027	0.36484	0.049807	0.28277	0.015594	0.73679	0.051487	0.26683
0.09742	-0.06938	0.13436	-0.02373	0.60905	-0.06901	0.13648	-0.06466	0.16298
0.55628	0.029346	0.52698	0.230922	4.53E-07	0.118333	0.01049	0.196185	1.96E-05
0.06185	-0.03796	0.41315	-0.04851	0.29551	-0.11837	0.01046	-0.13548	0.00335
0.77157	-0.01661	0.72029	-0.0426	0.35833	0.004759	0.91831	-0.06912	0.13584
0.82879	0.025015	0.58974	-0.04117	0.37473	-0.0223	0.63073	-0.0471	0.30978
0.96077	-0.10928	0.01816	0.278841	8.69E-10	0.030323	0.51332	-0.09037	0.05098
0.1144	-0.01651	0.722	-0.05356	0.24805	-0.13057	0.00471	-0.0669	0.14889
0.17404	0.039637	0.39277	-0.11822	0.01056	-0.02392	0.60609	0.021835	0.63788
0.66929	-0.15359	0.00087	-0.08351	0.0714	-0.12661	0.00615	-0.12561	0.00657
0.25043	0.188353	4.20E-05	-0.04484	0.33363	-0.00864	0.85235	0.037255	0.42185
0.53559	0.045025	0.3316	-0.06801	0.14223	-0.01023	0.82542	-0.01379	0.76631
0.65209	-0.04031	0.38478	-0.00225	0.96126	-0.10435	0.02413	-0.05178	0.26409
0.29801	0.022478	0.62803	-0.08414	0.06928	0.00266	0.95428	-0.02093	0.65187
0.55885	0.027448	0.55407	0.098426	0.03346	-0.10612	0.02181	-0.00646	0.88921
0.06193	0.113716	0.01394	0.085819	0.06388	-0.01868	0.68715	0.088186	0.05687
0.42143	-0.0532	0.25123	-0.21893	1.78E-06	-0.11748	0.01106	-0.14221	0.00207
0.68799	0.124183	0.00721	0.118278	0.01052	0.13925	0.00256	0.232686	3.68E-07
0.60018	-0.09317	0.04418	-0.02896	0.53239	-0.13185	0.00432	-0.11172	0.01572
0.17084	-0.11369	0.01396	-0.05568	0.22981	-0.09666	0.03678	-0.19397	2.44E-05
3.26E-05	-0.00819	0.85985	-0.08855	0.05584	-0.22003	1.58E-06	-0.1055	0.0226
0.82288	0.078595	0.08979	0.172468	0.00018	0.278251	9.46E-10	0.330473	2.31E-13
0.0367	0.234531	2.95E-07	0.1442	0.00178	0.187923	4.38E-05	0.376299	3.71E-17
0.08356	0.154683	0.0008	0.181773	7.80E-05	0.230021	5.03E-07	0.335854	8.91E-14
0.19727	0.000951	0.98365	-0.08339	0.0718	-0.06397	0.16757	-0.02071	0.65539
0.75248	-0.00565	0.90313	-0.12344	0.00757	-0.06956	0.13338	-0.04938	0.28688
0.00278	0.02084	0.65329	-0.06728	0.14661	-0.11864	0.01029	-0.0367	0.42885
0.29006	0.005501	0.90562	-0.06628	0.15268	-0.04433	0.33918	-0.05155	0.26626
0.09339	0.102487	0.02678	-0.09412	0.04206	-0.06758	0.14477	0.009757	0.83345
0.06793	-0.0458	0.32339	-0.03164	0.49519	0.019247	0.67825	-0.0355	0.44403
0.02116	-0.10334	0.02553	-0.01469	0.75151	-0.07316	0.11437	-0.2103	4.57E-06
0.1558	-0.01194	0.79699	0.251925	3.41E-08	0.133134	0.00395	0.065864	0.1553
1.38E-07	0.061019	0.18806	-0.1994	1.42E-05	-0.10846	0.01906	-0.012	0.79586
0.00459	0.01034	0.82365	0.113252	0.01434	-0.09008	0.05172	-0.00608	0.89579
0.00174	0.058473	0.2072	0.125041	0.00682	-0.00743	0.87276	0.086477	0.06186
2.80E-07	0.004669	0.91985	0.015592	0.73682	0.042868	0.35531	-0.0238	0.60795
2.64E-08	0.057813	0.21238	-0.14935	0.00121	-0.19577	2.04E-05	-0.09471	0.04078
0.02084	-0.12006	0.0094	-0.14642	0.00151	-0.17605	0.00013	-0.21313	3.37E-06
0.90794	-0.03339	0.47164	0.013385	0.77297	-0.03129	0.49996	-0.05114	0.27007
0.04324	-0.12382	0.00738	0.015546	0.73757	0.002747	0.95279	-0.15339	0.00088

0.40391	0.015191	0.74335	-0.01345	0.77183	0.01244	0.7886	0.029965	0.51831
0.19219	-0.0337	0.46746	-0.01374	0.76714	0.032008	0.49019	0.012292	0.79107
2.48E-10	-0.00504	0.91355	-0.12504	0.00682	-0.15804	0.00061	-0.14604	0.00155
0.17361	0.034867	0.45224	0.144792	0.00171	0.121851	0.00839	0.184263	6.19E-05
4.51E-12	0.132573	0.00411	0.081702	0.07776	0.139771	0.00247	0.23478	2.87E-07
0.12751	-0.03773	0.416	-0.20016	1.31E-05	-0.13199	0.00427	-0.12433	0.00714
0.01708	0.049946	0.28142	0.097425	0.03531	-0.13939	0.00254	0.01819	0.695
0.00036	-0.15133	0.00104	0.041495	0.37095	0.006586	0.88712	-0.11954	0.00972
0.08226	-0.00177	0.96951	-0.06037	0.19281	-0.06885	0.13738	-0.05921	0.2015
0.00117	-0.08416	0.0692	0.098224	0.03383	0.020896	0.65242	-0.08569	0.06428
0.17822	0.041922	0.36605	0.094015	0.04228	-0.09039	0.05092	-0.04149	0.37098
0.00102	0.00926	0.84181	0.055445	0.23174	-0.12388	0.00736	0.017827	0.7008
1.86E-05	0.110943	0.01646	0.147455	0.0014	0.162519	0.00042	0.301224	2.99E-11
0.47835	0.022444	0.62854	-0.08029	0.08307	-0.05467	0.23833	-0.01509	0.74496
0.26568	0.099071	0.03232	-0.09408	0.04213	-0.09261	0.04548	-0.00885	0.84869
1.65E-06	0.107523	0.02012	0.07346	0.11288	-0.06638	0.15207	0.10128	0.02864
0.25413	0.138682	0.00267	0.010124	0.82728	0.05771	0.2132	0.21763	2.06E-06
0.37229	-0.12343	0.00757	0.058202	0.20932	-0.02243	0.62873	-0.18638	5.07E-05
0.27833	0.135583	0.00333	0.191021	3.25E-05	0.185019	5.76E-05	0.333993	1.24E-13
0.66882	0.252286	3.26E-08	-0.20919	5.14E-06	-0.14302	0.00195	-0.02912	0.53018
0.16653	-0.17321	0.00017	0.055404	0.23209	-0.20398	8.87E-06	-0.26158	9.59E-09
0.01567	-0.08309	0.07282	-0.04004	0.38802	-0.0137	0.76786	-0.09589	0.03833
4.43E-08	0.214907	2.78E-06	0.152416	0.00095	0.022167	0.63279	0.200535	1.26E-05
0.54361	0.158154	0.0006	0.249059	4.93E-08	0.333447	1.37E-13	0.372944	7.39E-17
0.5562	-0.01968	0.67142	0.012453	0.78839	-0.10166	0.02805	-0.03479	0.45325
0.05308	0.228334	6.13E-07	0.026194	0.57231	0.068446	0.1397	0.255749	2.08E-08
0.68077	0.059651	0.19817	-0.1537	0.00086	-0.11032	0.01708	-0.02581	0.5779
8.84E-10	0.0703	0.12927	0.02867	0.53656	-0.03295	0.47755	0.032966	0.47728
0.18318	-0.02948	0.52511	-0.0963	0.03749	-0.07904	0.08797	-0.04543	0.32727
0.6148	-0.03305	0.4762	-0.00234	0.95974	-0.14741	0.0014	-0.14021	0.00239
0.22489	-0.0381	0.41139	-0.00616	0.8943	-0.139	0.00261	-0.14673	0.00147
0.04074	0.051749	0.2644	-0.03686	0.42678	-0.04602	0.32097	-0.00522	0.91036
4.23E-06	0.009991	0.82951	-0.01002	0.82904	-0.10128	0.02864	-0.07013	0.13018
0.65231	-0.00969	0.8346	-0.00785	0.86567	-0.11825	0.01054	-0.09125	0.04876
0.00216	0.244223	9.06E-08	0.091971	0.04699	0.21147	4.03E-06	0.376826	3.33E-17
5.62E-05	0.213067	3.39E-06	0.176052	0.00013	0.03988	0.38987	0.264682	6.31E-09
0.00417	-0.16081	0.00049	-0.00363	0.93763	-0.23634	2.38E-07	-0.32364	7.55E-13
0.00188	-0.11817	0.0106	-0.13322	0.00393	-0.22823	6.21E-07	-0.28066	6.69E-10
0.21012	-0.01509	0.74507	-0.06186	0.18203	-0.1198	0.00956	-0.07402	0.11014
6.13E-08	0.031287	0.50002	-0.11718	0.01127	-0.07895	0.08836	-0.00889	0.84807
0.04718	0.192036	2.94E-05	0.091898	0.04716	0.200466	1.27E-05	0.369746	1.41E-16
0.69752	0.031148	0.50192	0.079102	0.08773	0.147561	0.00138	0.261216	1.01E-08
0.00134	-0.01444	0.7557	-0.16418	0.00037	-0.07089	0.12606	-0.04153	0.37055
5.54E-08	0.061551	0.18424	0.137088	0.00299	0.116032	0.0121	0.154519	0.00081
8.86E-05	0.099077	0.03231	0.200261	1.30E-05	0.104746	0.02359	0.262291	8.71E-09

0.47798	0.03035	0.51295	-0.05694	0.21938	-0.12332	0.00763	-0.04635	0.31759
0.00028	0.087756	0.05809	-0.02002	0.66603	-0.01374	0.76715	0.059652	0.19817
0.8752	0.119609	0.00968	-0.06365	0.16969	0.024098	0.60346	0.120807	0.00897
0.87341	-0.01084	0.81535	-0.01303	0.77886	0.008161	0.86037	-0.03378	0.46644
0.51442	-0.07463	0.10723	0.047528	0.3054	-0.19829	1.59E-05	-0.18941	3.80E-05
3.96E-12	-0.12493	0.00687	-0.14135	0.0022	-0.1006	0.02973	-0.19727	1.76E-05
0.04192	0.219991	1.58E-06	-0.03523	0.44753	0.096142	0.03781	0.265448	5.68E-09
4.62E-05	0.114199	0.01354	0.131947	0.00429	0.116721	0.0116	0.258618	1.42E-08
0.83216	0.118695	0.01025	0.005009	0.91404	0.015413	0.73974	0.085588	0.0646
0.98342	0.00762	0.86954	-0.03607	0.43673	-0.09216	0.04654	-0.01628	0.72564
0.23329	0.035836	0.43977	-0.0006	0.98962	-0.02316	0.61768	0.063494	0.17074
0.96208	-0.02139	0.64472	-0.0452	0.32968	-0.01665	0.71977	-0.07071	0.12703
0.76204	0.116231	0.01195	-0.03809	0.41148	-0.11245	0.01505	0.04565	0.32493
0.18562	0.086227	0.06262	0.218516	1.87E-06	0.112214	0.01526	0.254579	2.42E-08
8.58E-13	0.055177	0.23401	0.333368	1.39E-13	0.085144	0.06601	0.110051	0.01736
0.00015	-0.14788	0.00135	-0.04203	0.36476	-0.08051	0.0822	-0.17504	0.00014
0.72021	0.095188	0.03977	0.15578	0.00073	0.014337	0.75732	0.030237	0.51452
0.888	0.134979	0.00347	-0.06076	0.18997	-0.00028	0.99522	0.121653	0.0085
0.48166	0.056406	0.22374	-0.1332	0.00393	0.092599	0.0455	0.102145	0.0273
3.37E-07	0.155912	0.00072	-0.00825	0.85892	0.149987	0.00115	0.265357	5.75E-09
0.26576	0.162475	0.00042	0.225024	8.97E-07	0.137972	0.00281	0.270256	2.93E-09
0.0024	-0.08148	0.07858	-0.2195	1.67E-06	-0.06153	0.18441	-0.13546	0.00336
0.02388	0.13988	0.00245	0.079781	0.08503	0.217785	2.02E-06	0.273039	1.99E-09
0.75208	0.126152	0.00634	0.137	0.00301	0.044792	0.33412	0.127343	0.00586
0.07047	0.126	0.0064	0.083234	0.07233	0.082144	0.07616	0.19561	2.07E-05
8.69E-05	-0.18816	4.28E-05	-0.05661	0.22209	-0.176	0.00013	-0.25286	3.03E-08
0.00014	-0.00996	0.82995	-0.01973	0.67066	-0.12634	0.00626	-0.1073	0.02038
0.00022	0.15145	0.00103	0.121712	0.00846	0.054468	0.24008	0.186971	4.79E-05
0.12934	0.164312	0.00036	-0.1173	0.01118	-0.03871	0.40389	-0.00616	0.8944
9.54E-05	-0.02139	0.64473	-0.14465	0.00172	-0.11041	0.01699	-0.0566	0.22216
1.18E-06	-0.14726	0.00142	-0.13302	0.00398	-0.16547	0.00033	-0.24887	5.05E-08
0.00192	0.200536	1.26E-05	-0.06898	0.13665	-0.01016	0.82673	0.161395	0.00046
0.39157	0.188623	4.09E-05	-0.19008	3.56E-05	-0.16114	0.00047	-0.02034	0.66103
9.10E-06	0.158626	0.00058	-0.14326	0.00191	0.004457	0.92347	0.159202	0.00055
5.42E-13	-0.04362	0.34697	-0.05675	0.22092	-0.11512	0.0128	-0.10158	0.02817
2.55E-07	0.045023	0.33162	-0.067	0.14829	-0.07827	0.09113	-0.01517	0.7437
1.20E-07	0.009827	0.83227	-0.0413	0.37323	-0.01592	0.73152	-0.01412	0.76091
0.00018	0.018301	0.69324	-0.07189	0.12079	-0.10934	0.0181	-0.09811	0.03404
0.54645	0.035334	0.44621	-0.01531	0.74143	-0.09723	0.03568	-0.0005	0.99133
1.96E-05	0.195198	2.16E-05	0.002078	0.96428	0.19184	3.00E-05	0.256555	1.87E-08
7.98E-10	0.081555	0.0783	-0.07975	0.08516	-0.0866	0.0615	-0.00617	0.89426
5.55E-11	0.069491	0.13374	-0.00531	0.90894	-0.10996	0.01745	0.01916	0.67963
0.00121	0.05928	0.20099	0.214368	2.95E-06	0.148414	0.0013	0.166418	0.0003
0.27205	0.052507	0.25746	0.196959	1.81E-05	0.035164	0.44839	0.103435	0.0254
0.44677	0.063631	0.16982	0.003285	0.94355	0.038249	0.40957	0.115166	0.01276

0.01797	-0.12021	0.00932	-0.11808	0.01066	-0.1854	5.56E-05	-0.25339	2.82E-08
0.16014	0.105649	0.02241	0.056534	0.22269	-0.02197	0.63582	0.087016	0.06025
2.34E-08	-0.05031	0.27791	-0.15003	0.00115	-0.2061	7.11E-06	-0.15467	0.0008
0.16556	-0.00606	0.89607	-0.05589	0.22803	-0.16742	0.00028	-0.12698	0.006
0.24597	0.127276	0.00588	-0.0071	0.87845	0.015887	0.73204	0.137475	0.00291
0.02454	0.096672	0.03676	-0.14795	0.00134	-0.06421	0.16599	0.035498	0.44409
5.12E-07	0.127709	0.00571	0.088056	0.05724	0.015007	0.74636	0.173509	0.00016
3.89E-06	0.174986	0.00014	0.022158	0.63293	0.049127	0.28941	0.191581	3.08E-05
0.01442	0.058792	0.20473	0.061155	0.18708	-0.00742	0.87294	0.05933	0.2006
0.10907	0.1903	3.48E-05	0.261075	1.03E-08	0.169646	0.00023	0.386601	4.26E-18
4.01E-06	0.021523	0.6427	-0.06369	0.16939	-0.0616	0.18392	0.000548	0.99058
0.00016	-0.20198	1.09E-05	-0.11244	0.01506	-0.20262	1.02E-05	-0.32906	2.96E-13
0.00026	0.165301	0.00033	0.152342	0.00096	0.25025	4.23E-08	0.301237	2.98E-11
0.03455	0.080761	0.08126	-0.05184	0.2636	-0.04618	0.3193	-0.02906	0.53101
0.57106	-0.02743	0.55438	-0.1537	0.00086	-0.09502	0.04011	-0.07047	0.12835
0.40077	0.036436	0.43213	-0.10548	0.02263	-0.09414	0.04201	-0.06993	0.13132
0.27798	0.006178	0.89407	0.148989	0.00124	-0.06267	0.17637	0.011017	0.8123
0.01117	0.020306	0.66161	-0.03368	0.46773	0.001031	0.98227	0.046381	0.31724
0.34802	0.054524	0.2396	-0.05726	0.2168	-0.05273	0.25541	-0.03744	0.41951
0.20437	0.07993	0.08445	-0.0598	0.19708	-0.00353	0.9394	0.049559	0.28517
0.69007	-0.16688	0.00029	0.051586	0.26591	-0.17591	0.00013	-0.18704	4.76E-05
0.50586	0.171028	0.0002	0.277096	1.12E-09	0.228133	6.27E-07	0.26856	3.71E-09
0.68119	0.002484	0.9573	0.07787	0.0928	0.30994	7.42E-12	0.085002	0.06646
0.47995	-0.03103	0.50359	0.296319	6.42E-11	0.373466	6.64E-17	0.114186	0.01355
0.32496	0.049392	0.2868	0.231682	4.14E-07	0.213851	3.12E-06	0.219419	1.69E-06
0.00231	0.127679	0.00573	0.059809	0.19699	0.23179	4.09E-07	0.10146	0.02835
0.24974	-0.19914	1.45E-05	-0.08222	0.07591	-0.10312	0.02585	-0.35697	1.76E-15
0.04509	0.189054	3.93E-05	0.263782	7.13E-09	0.403921	9.38E-20	0.381879	1.16E-17
0.31164	0.078222	0.09133	0.047517	0.30552	0.283601	4.35E-10	0.144524	0.00174
0.06882	0.127046	0.00597	0.095408	0.03931	0.310953	6.29E-12	0.231149	4.41E-07
0.42844	-0.05472	0.23794	-0.00195	0.96649	0.156041	0.00071	-0.03743	0.41969
3.06E-05	0.011562	0.8032	0.129917	0.00492	0.435346	5.09E-23	0.212616	3.56E-06
0.52621	-0.09525	0.03963	0.073914	0.11067	0.264548	6.42E-09	-0.01891	0.68363
0.04066	-0.08763	0.05844	0.240791	1.38E-07	0.486072	4.60E-29	0.180712	8.60E-05
9.92E-09	-0.10518	0.02302	-0.00864	0.85221	0.094595	0.04102	-0.06049	0.19195
0.00321	0.01196	0.79658	-0.016	0.73012	0.112821	0.01471	-0.0917	0.04764
0.00223	-0.08222	0.07588	0.158435	0.00059	0.236459	2.34E-07	0.023685	0.60968
0.00618	-0.16519	0.00034	0.01144	0.80524	0.137456	0.00291	-0.17953	9.58E-05
0.00046	0.060041	0.19526	0.197043	1.80E-05	0.210524	4.46E-06	0.126602	0.00615
0.03719	-0.00661	0.88676	-0.16294	0.00041	-0.00069	0.9881	-0.09091	0.04959
0.3746	-0.06028	0.19351	0.106339	0.02154	0.308738	9.02E-12	0.052172	0.26051
0.83444	-0.02503	0.58957	0.070317	0.12917	0.18973	3.68E-05	0.016087	0.72879
0.67739	0.012514	0.78739	0.083315	0.07206	0.27639	1.24E-09	0.182394	7.36E-05
0.21275	-0.02766	0.55103	0.14607	0.00155	0.369905	1.37E-16	0.11549	0.01251
0.40905	-0.07078	0.12666	-0.04782	0.30243	0.135076	0.00345	-0.08184	0.07726



0.11109	-0.00604	0.89643	0.213105	3.38E-06	0.489807	1.50E-29	0.312492	4.89E-12
0.00021	-0.10469	0.02367	0.041082	0.37573	0.250804	3.94E-08	0.009337	0.84052
0.44492	0.007876	0.8652	0.172878	0.00017	0.40361	1.01E-19	0.199595	1.39E-05
0.81329	-0.07392	0.11062	0.12212	0.00825	0.284081	4.06E-10	0.040818	0.37881
0.25795	-0.08511	0.06613	0.214339	2.96E-06	0.282539	5.09E-10	0.013919	0.76418
0.1331	-0.10677	0.02102	-0.04086	0.37833	-0.06877	0.13781	-0.21393	3.09E-06
0.65439	0.035733	0.44107	-0.1003	0.03022	0.094886	0.0404	-0.05186	0.26339
0.1191	-0.11999	0.00944	0.098525	0.03329	0.280363	6.98E-10	0.002276	0.96087
0.25252	0.186321	5.10E-05	0.026659	0.56553	0.225254	8.74E-07	0.091485	0.04817
0.14383	-0.08702	0.06025	0.117647	0.01095	0.316449	2.54E-12	0.048811	0.29252
0.01171	-0.09512	0.03991	0.090745	0.05002	0.24069	1.40E-07	-0.06342	0.17123
1.75E-08	-0.0168	0.7173	0.154699	0.0008	0.273569	1.84E-09	0.066559	0.15097
0.42104	-0.07455	0.10761	0.170757	0.00021	0.323031	8.38E-13	0.054025	0.24394
0.05201	-0.05021	0.2789	-0.02081	0.65382	0.153457	0.00088	-0.03485	0.45249
0.00307	-0.14918	0.00122	0.07063	0.12747	0.221036	1.41E-06	-0.08028	0.08309
0.01023	-0.10659	0.02123	0.143301	0.00191	0.317525	2.13E-12	0.033351	0.47215
0.85776	-0.06177	0.18269	0.103263	0.02565	0.25686	1.80E-08	0.014679	0.75172
0.49287	-0.02178	0.63872	0.246489	6.82E-08	0.466769	1.21E-26	0.210533	4.45E-06
0.69355	-0.08493	0.06671	0.108568	0.01893	0.336826	7.49E-14	0.065427	0.15806
0.57402	-0.07582	0.10174	0.218181	1.94E-06	0.290393	1.58E-10	0.02334	0.61489
0.0007	-0.12522	0.00674	0.082452	0.07506	0.273877	1.76E-09	-0.01031	0.82421
0.58784	-0.05475	0.23767	0.009936	0.83043	0.228143	6.26E-07	-0.03115	0.5019
0.00044	-0.12299	0.00779	0.059668	0.19805	0.181942	7.68E-05	-0.07192	0.12067
0.09304	-0.04715	0.30928	-0.05266	0.25611	0.035867	0.43936	-0.09922	0.03206
0.03251	-0.04868	0.29378	0.092466	0.04581	0.235316	2.69E-07	-0.02399	0.60502
0.02765	0.025755	0.57878	0.143127	0.00193	0.519855	1.09E-33	0.321639	1.06E-12
0.06905	-0.06919	0.13544	0.103244	0.02567	0.277475	1.06E-09	0.065844	0.15542
0.02931	-0.07691	0.09689	0.105307	0.02285	0.124898	0.00688	-0.04556	0.32584
0.04889	-0.07353	0.11255	0.089883	0.05224	0.275124	1.48E-09	0.040816	0.37883
7.06E-15	0.109209	0.01824	0.139437	0.00253	0.323144	8.22E-13	0.281608	5.82E-10
8.84E-05	0.057844	0.21213	0.101239	0.0287	0.210664	4.39E-06	0.078807	0.08892
7.07E-05	-0.12351	0.00753	0.094229	0.04181	0.246402	6.89E-08	-0.03923	0.39764
0.78692	0.17535	0.00014	0.234453	2.98E-07	0.485455	5.52E-29	0.391662	1.43E-18
0.9044	-0.03905	0.3998	0.077368	0.09493	0.257625	1.62E-08	0.081611	0.07809
0.00104	-0.10288	0.0262	0.225744	8.26E-07	0.316859	2.38E-12	0.056629	0.22191
0.87601	-0.10389	0.02476	0.104579	0.02381	0.133648	0.00381	-0.12188	0.00837
0.00973	-0.06176	0.18272	0.0554	0.23212	0.24025	1.48E-07	0.027483	0.55356
0.23642	-0.09607	0.03795	0.072664	0.11684	0.123126	0.00773	-0.06731	0.14639
0.51722	-0.11188	0.01557	0.057229	0.21704	0.093557	0.0433	-0.11239	0.0151
0.0061	-0.10003	0.03067	0.105792	0.02223	0.250852	3.92E-08	-0.02332	0.61518
0.84811	-0.0073	0.87503	0.085591	0.06459	0.164262	0.00036	0.032532	0.4831
0.01824	-0.05858	0.20633	0.130977	0.00458	0.248683	5.17E-08	0.035405	0.44528
0.10272	-0.02579	0.57821	-0.03777	0.41551	0.135604	0.00332	-0.05908	0.2025
0.00132	-0.08184	0.07727	0.19116	3.21E-05	0.30519	1.60E-11	0.051832	0.26363
1.06E-05	-0.19754	1.71E-05	-0.18842	4.18E-05	-0.07018	0.12995	-0.32313	8.24E-13

0.08188	-0.27097	2.65E-09	-0.13954	0.00251	-0.1601	0.00051	-0.32622	4.84E-13
0.08091	-0.10031	0.0302	-0.05657	0.22243	0.016817	0.717	-0.17849	0.00011
0.0004	-0.08091	0.08071	0.069978	0.13103	0.034981	0.45076	-0.18879	4.03E-05
0.32396	-0.1281	0.00557	-0.21009	4.67E-06	-0.10609	0.02185	-0.28695	2.65E-10
0.4775	-0.01377	0.76669	0.169871	0.00023	0.289658	1.77E-10	0.126162	0.00633
0.09819	-0.0812	0.07959	0.206793	6.62E-06	0.388513	2.83E-18	0.114548	0.01325
0.3401	-0.00141	0.97574	0.037406	0.41998	0.19789	1.65E-05	0.065351	0.15855
0.3289	0.001202	0.97933	0.167494	0.00028	0.415035	7.19E-21	0.169618	0.00023
0.41375	-0.06963	0.13299	0.100635	0.02967	0.179357	9.73E-05	-0.01427	0.75844
1.88E-06	-0.18924	3.86E-05	-0.27081	2.71E-09	-0.15171	0.00101	-0.38312	8.93E-18
0.49879	0.055016	0.23538	0.122983	0.0078	0.299236	4.08E-11	0.13955	0.00251
0.0107	0.01722	0.71051	0.123479	0.00755	0.261079	1.03E-08	0.068889	0.13715
0.09604	-0.04394	0.34344	0.108423	0.01909	0.243414	1.00E-07	0.004482	0.92305
0.00396	-0.00015	0.9975	0.075587	0.1028	0.161725	0.00045	0.012412	0.78907
0.05941	-0.01586	0.73242	0.059934	0.19605	0.193764	2.49E-05	-0.02604	0.57455
0.37042	-0.00133	0.97713	0.177179	0.00012	0.317286	2.21E-12	0.172385	0.00018
0.98454	-0.0279	0.54749	0.119479	0.00976	0.267086	4.54E-09	0.042453	0.36
0.09705	-0.13204	0.00426	0.040781	0.37925	0.161282	0.00047	-0.07066	0.12732
0.46608	-0.13769	0.00287	0.072205	0.11918	0.052361	0.25878	-0.22242	1.21E-06
0.05638	-0.09311	0.04432	-0.00341	0.94137	0.035524	0.44375	-0.15243	0.00095
0.43333	-0.05724	0.21693	0.146294	0.00152	0.252534	3.16E-08	0.041451	0.37146
0.00472	-0.05902	0.20299	0.154841	0.00079	0.480782	2.19E-28	0.189767	3.67E-05
0.03472	-0.00305	0.94763	0.049679	0.28401	0.365036	3.63E-16	0.129159	0.00518
0.04779	-0.09526	0.03961	0.105111	0.02311	0.16706	0.00029	0.005689	0.90241
0.29812	-0.10263	0.02657	-0.07379	0.11128	0.013308	0.77424	-0.20534	7.70E-06
3.85E-06	-0.00668	0.88559	0.112159	0.01531	0.280484	6.86E-10	0.115824	0.01226
1.18E-12	0.001568	0.97304	0.114911	0.01296	0.235861	2.52E-07	0.085575	0.06464
0.02144	-0.08135	0.07906	-0.05193	0.26274	0.064372	0.16489	-0.11224	0.01524
0.13431	-0.08014	0.08364	0.317161	2.26E-12	0.289861	1.72E-10	0.055419	0.23196
0.01607	-0.106	0.02197	0.056374	0.224	0.249662	4.56E-08	-0.03185	0.49237
0.25181	-0.01027	0.82487	0.185358	5.58E-05	0.398723	3.02E-19	0.182163	7.52E-05
0.10309	-0.09777	0.03467	0.121659	0.00849	0.26295	7.97E-09	0.040963	0.37712
0.02693	-0.12675	0.00609	0.115333	0.01263	0.085592	0.06459	-0.12507	0.00681
0.01858	-0.05983	0.19685	0.068175	0.14128	0.242816	1.08E-07	0.052594	0.25667
0.50619	-0.01386	0.76512	0.246901	6.47E-08	0.428341	2.92E-22	0.227833	6.49E-07
0.00274	-0.03621	0.43498	0.158894	0.00057	0.36136	7.50E-16	0.130761	0.00465
4.16E-06	-0.07149	0.12289	-0.0212	0.64771	0.215218	2.69E-06	-0.01912	0.68023
0.5575	-0.07222	0.11911	-0.04388	0.34408	0.107215	0.02048	-0.05337	0.24968
0.4306	-0.02449	0.5976	0.082648	0.07437	0.267293	4.41E-09	0.009798	0.83276
0.00388	-0.06711	0.14763	0.083842	0.07027	0.194743	2.26E-05	-0.03657	0.43039
0.56629	-0.07494	0.1058	-0.01637	0.72427	0.053847	0.2455	-0.12988	0.00494
0.30279	0.027738	0.54989	0.101437	0.02839	0.292454	1.16E-10	0.083462	0.07155
0.42704	-0.02229	0.6309	0.014867	0.74864	0.133054	0.00397	-0.03871	0.40389
0.06735	-0.04659	0.31506	0.079859	0.08473	0.178736	0.0001	-0.07307	0.11483
0.00143	-0.07436	0.10852	0.086058	0.06314	0.126389	0.00624	-0.03933	0.39647

0.29363	-0.08198	0.07676	0.04926	0.28809	0.183937	6.38E-05	-0.08887	0.05496
0.68283	0.091108	0.04911	0.276194	1.27E-09	0.543531	2.97E-37	0.344317	1.92E-14
0.39105	-0.02991	0.51902	0.175438	0.00014	0.347857	9.93E-15	0.127522	0.00579
0.00042	-0.03478	0.45333	0.048599	0.29462	0.220755	1.45E-06	0.005203	0.91072
0.8343	-0.08146	0.07866	0.092544	0.04563	0.162321	0.00043	-0.09468	0.04084
0.05842	-0.11757	0.011	0.266547	4.89E-09	0.315513	2.97E-12	0.063037	0.17385
0.01762	-0.13713	0.00298	0.031256	0.50043	0.215752	2.53E-06	-0.07948	0.08623
0.01234	-0.04724	0.30833	0.100468	0.02995	0.100268	0.03028	-0.06559	0.157
0.16118	0.010655	0.81836	0.172392	0.00018	0.332657	1.57E-13	0.108336	0.01919
0.02842	-0.18384	6.44E-05	-0.14957	0.00119	-0.13105	0.00456	-0.38721	3.74E-18
0.03306	-0.10628	0.02161	-0.11998	0.00945	-0.09848	0.03336	-0.26126	1.00E-08
0.6808	-0.08636	0.06222	0.075984	0.10101	0.300688	3.25E-11	0.02775	0.54971
2.73E-06	-0.0186	0.68855	0.264475	6.49E-09	0.373918	6.06E-17	0.170873	0.00021
0.47758	-0.00495	0.91507	-0.05679	0.22056	0.007338	0.87433	-0.10421	0.02432
0.02834	0.028035	0.54562	0.147819	0.00136	0.154394	0.00082	0.058536	0.20671
0.2867	-0.07256	0.11738	0.048989	0.29076	0.111958	0.0155	-0.03998	0.38865
0.06078	-0.02683	0.56304	0.177618	0.00011	0.455901	2.39E-25	0.231237	4.36E-07
0.06091	0.011908	0.79745	0.104392	0.02407	0.206055	7.15E-06	0.124533	0.00705
0.00282	-0.01031	0.82414	0.07408	0.10987	0.165438	0.00033	0.056391	0.22386
8.66E-05	0.018404	0.69159	0.086419	0.06204	0.247538	5.97E-08	0.11557	0.01245
0.00143	0.026595	0.56645	0.104678	0.02368	0.10952	0.01791	0.10523	0.02295
0.00252	0.125398	0.00666	0.08445	0.06825	0.227902	6.44E-07	0.101662	0.02804
0.92168	-0.05835	0.20819	-0.00883	0.84915	0.053825	0.24568	-0.09724	0.03567
5.11E-12	0.06345	0.17104	-0.04762	0.30444	0.015386	0.74018	-0.02031	0.66154
0.02062	-0.01277	0.78318	0.105192	0.023	0.252595	3.13E-08	0.028629	0.53714
0.0452	-0.11992	0.00949	0.146267	0.00153	0.220735	1.46E-06	-0.04698	0.31098
0.44337	0.037385	0.42024	0.121521	0.00857	0.329615	2.69E-13	0.134886	0.0035
0.04311	-0.09419	0.04189	-0.00069	0.98819	0.13281	0.00404	-0.1168	0.01154
0.26491	0.012206	0.79249	0.04836	0.297	0.279103	8.37E-10	0.046258	0.31852
0.57906	-0.04162	0.36946	-0.13299	0.00399	0.047018	0.31063	-0.0906	0.05039
0.16627	-0.00659	0.88697	-0.08715	0.05985	0.15029	0.00112	0.082566	0.07466
0.60007	0.0085	0.85465	0.013057	0.77839	0.19754	1.71E-05	0.004199	0.9279
0.99551	0.072091	0.11977	0.338359	5.68E-14	0.405879	6.01E-20	0.330087	2.47E-13
0.60142	-0.11798	0.01072	0.077951	0.09246	0.325402	5.58E-13	0.05791	0.21161
0.42289	-0.03073	0.50763	0.153789	0.00085	0.330568	2.27E-13	0.11068	0.01672
0.81604	-0.09297	0.04464	0.107062	0.02066	0.182464	7.31E-05	-0.07305	0.11493
0.36953	0.097217	0.03571	-0.01171	0.80074	0.050724	0.27399	-0.02658	0.56665
0.06446	-0.07288	0.11576	-0.00535	0.90828	0.170038	0.00022	-0.1076	0.02003
0.21061	-0.00737	0.87373	0.072938	0.11547	0.188507	4.14E-05	0.053712	0.24668
0.03992	-0.04466	0.33555	0.008775	0.85	0.211326	4.09E-06	-0.02824	0.54269
0.00011	-0.11192	0.01553	0.119885	0.00951	0.259476	1.27E-08	0.020145	0.66413
1.87E-08	0.061518	0.18448	0.201865	1.10E-05	0.441791	9.86E-24	0.278721	8.85E-10
0.37318	-0.00974	0.83372	-0.05667	0.22157	0.023379	0.6143	-0.07092	0.12591
0.80952	0.066597	0.15074	-0.03154	0.49657	0.144767	0.00171	-0.03252	0.4832
0.50592	0.103289	0.02561	0.285671	3.21E-10	0.579573	2.96E-43	0.436523	3.78E-23

0.77332	-0.0377	0.41634	-0.0914	0.04838	-0.00869	0.85136	-0.11754	0.01102
0.00278	-0.03636	0.43309	0.166849	0.00029	0.298341	4.69E-11	0.069804	0.132
0.42527	0.05576	0.2291	0.201292	1.17E-05	0.415425	6.56E-21	0.16239	0.00043
2.96E-10	0.031163	0.50171	0.157278	0.00065	0.375142	4.71E-17	0.194742	2.26E-05
0.02167	0.047824	0.3024	0.067217	0.14697	0.236036	2.47E-07	0.048071	0.29991
0.01174	-0.10693	0.02082	0.051379	0.26783	0.110573	0.01683	-0.12471	0.00697
0.96713	-0.02099	0.65094	-0.13578	0.00328	-0.01853	0.68964	-0.19781	1.66E-05
0.08402	-0.05148	0.26693	-0.04362	0.34695	0.123705	0.00744	-0.09847	0.03339
0.77342	-0.02692	0.56173	0.054108	0.24321	0.219577	1.66E-06	-0.01442	0.75589
0.01848	-0.0895	0.05326	0.193158	2.64E-05	0.287975	2.28E-10	0.060557	0.19144
0.38031	-0.06483	0.16193	0.043033	0.35346	0.211513	4.01E-06	-0.04049	0.38261
0.70897	-0.08363	0.07097	0.012892	0.78111	0.206327	6.95E-06	-0.06694	0.14862
0.08682	-0.01903	0.68171	0.119061	0.01002	0.317658	2.08E-12	0.098532	0.03327
0.06717	0.143026	0.00195	0.136506	0.00312	0.233431	3.37E-07	0.227603	6.67E-07
0.69197	0.042166	0.36326	0.040088	0.38741	0.343944	2.05E-14	0.183689	6.53E-05
0.01267	-0.1103	0.0171	0.10454	0.02387	0.241461	1.28E-07	-0.00739	0.87351
0.02705	-0.08771	0.05822	0.135762	0.00329	0.357114	1.71E-15	0.040656	0.38071
0.00936	-0.02423	0.6014	0.204847	8.11E-06	0.33605	8.61E-14	0.079296	0.08695
0.64585	-0.05208	0.26133	-0.0008	0.98617	0.058922	0.20373	-0.08517	0.06592
0.93218	-0.03955	0.39379	0.069639	0.13292	0.175636	0.00014	-0.01344	0.77207
0.24271	0.02964	0.52285	0.006615	0.88663	0.154851	0.00079	0.017067	0.71298
0.00186	-0.08782	0.05792	0.107398	0.02027	0.338533	5.51E-14	0.022504	0.62763
0.13577	-0.10593	0.02206	0.140064	0.00242	0.315401	3.03E-12	0.014677	0.75175
7.88E-06	0.056764	0.22081	0.047455	0.30615	0.239428	1.64E-07	0.089283	0.05384
0.18437	-0.05358	0.24789	0.189018	3.94E-05	0.352547	4.10E-15	0.089541	0.05315
0.00273	-0.11446	0.01333	0.078249	0.09121	0.28502	3.53E-10	-0.02778	0.54934
0.34663	0.083847	0.07025	0.122064	0.00827	0.361049	7.97E-16	0.191019	3.25E-05
0.44786	-0.05465	0.23854	0.145201	0.00165	0.313955	3.85E-12	0.090008	0.05192
0.00038	-0.01488	0.74841	0.195546	2.08E-05	0.26722	4.46E-09	0.165392	0.00033
0.30897	-0.10939	0.01805	-0.15337	0.00088	-0.10915	0.0183	-0.22228	1.23E-06
0.03872	-0.10753	0.02012	0.025536	0.58201	0.165312	0.00033	-0.10656	0.02127
0.02072	-0.08453	0.06798	0.058591	0.20628	0.22198	1.27E-06	-0.04567	0.3247
0.71518	-0.05745	0.21528	0.105601	0.02247	0.258739	1.40E-08	0.033363	0.47199
0.09691	-0.05009	0.28	0.117395	0.01112	0.28943	1.83E-10	0.019731	0.67062
0.57856	-0.04602	0.32106	0.128296	0.00549	0.316637	2.46E-12	0.067402	0.14586
0.83763	-0.06915	0.13568	0.046695	0.31396	0.19922	1.44E-05	-0.0544	0.24069
0.12251	0.042018	0.36494	-0.03505	0.44985	0.191863	2.99E-05	0.074609	0.10735
0.30874	-0.10129	0.02862	0.053272	0.25058	0.227867	6.47E-07	-0.06712	0.14756
0.00064	0.114658	0.01316	0.14138	0.0022	0.209375	5.04E-06	0.051087	0.27056
0.06863	-0.05096	0.27173	0.004685	0.91958	0.167818	0.00027	-0.06523	0.15932
0.36398	-0.04636	0.3175	0.130823	0.00463	0.321501	1.09E-12	0.087101	0.06
0.04159	-0.07584	0.10166	-0.00298	0.94876	0.066181	0.15332	-0.02494	0.59089
3.76E-09	0.024913	0.59126	0.178994	0.0001	0.327386	3.96E-13	0.159849	0.00053
0.7061	-0.10653	0.0213	-0.03205	0.48965	0.153779	0.00086	-0.06584	0.15544
0.44072	-0.02829	0.54196	0.023816	0.6077	0.24509	8.13E-08	0.026949	0.5613

0.88212	0.02198	0.63567	0.10291	0.02616	0.175683	0.00014	0.058249	0.20894
0.13311	0.357776	1.51E-15	0.258755	1.40E-08	0.532737	1.36E-35	0.401454	1.64E-19
3.13E-06	0.007616	0.86962	0.174421	0.00015	0.30106	3.07E-11	0.153099	0.0009
0.94256	-0.10042	0.03002	0.061237	0.18649	0.175946	0.00013	-0.07309	0.11472
0.23712	-0.10394	0.02469	0.036792	0.42765	0.236367	2.37E-07	-0.02736	0.55534
0.00791	-0.02446	0.59804	0.049388	0.28685	0.285637	3.22E-10	0.04359	0.34726
0.42711	-0.0434	0.34941	0.049943	0.28146	0.193339	2.59E-05	0.043046	0.35332
0.97547	0.013668	0.76831	0.054225	0.24219	0.216001	2.46E-06	0.011264	0.80818
0.74558	-0.04332	0.35027	0.033246	0.47355	0.204395	8.50E-06	-0.03538	0.44563
0.82036	0.057677	0.21346	0.292503	1.15E-10	0.402175	1.39E-19	0.33929	4.80E-14
9.53E-05	-0.08766	0.05837	0.051381	0.26782	0.094488	0.04125	-0.11485	0.01301
0.19149	0.068169	0.14131	0.207782	5.96E-06	0.351779	4.75E-15	0.190514	3.41E-05
7.44E-05	-0.04199	0.36522	0.11106	0.01635	0.300068	3.58E-11	0.067887	0.14297
0.00025	-0.03133	0.49936	0.15256	0.00094	0.317406	2.17E-12	0.108029	0.01954
0.18982	0.157453	0.00064	0.092997	0.04457	0.320391	1.31E-12	0.333757	1.30E-13
0.07241	-0.02862	0.53723	-0.01476	0.75043	0.065728	0.15616	-0.07395	0.11048
0.53083	-0.0598	0.19708	0.084099	0.06941	0.289082	1.93E-10	0.030098	0.51645
0.12556	-0.08624	0.06257	-0.01225	0.79171	0.064522	0.16391	-0.1168	0.01154
0.00412	-0.12425	0.00718	0.040895	0.37791	0.222211	1.24E-06	-0.07838	0.09069
0.00068	-0.0043	0.92622	0.136563	0.00311	0.333206	1.43E-13	0.188164	4.28E-05
0.06929	-0.08954	0.05316	0.183739	6.50E-05	0.226052	7.98E-07	-0.0147	0.75144
0.5464	-0.07275	0.11644	-0.1036	0.02516	-0.06666	0.15038	-0.09643	0.03723
0.95081	-0.05411	0.24322	-0.07053	0.12801	0.07252	0.11757	-0.10734	0.02034
1.62E-08	0.060664	0.19065	-0.01696	0.71474	0.070485	0.12826	0.004341	0.92546
3.11E-05	-0.01547	0.73888	0.130916	0.0046	0.283943	4.14E-10	0.087593	0.05856
0.02052	-0.09661	0.03688	-0.02059	0.65726	0.138811	0.00264	-0.05078	0.27347
0.01037	-0.01358	0.7697	0.177047	0.00012	0.353727	3.28E-15	0.152402	0.00095
0.09525	0.074764	0.10662	-0.14187	0.00212	-0.02828	0.54208	0.036428	0.43224
0.12543	0.254084	2.58E-08	0.054365	0.24097	0.05524	0.23347	0.177517	0.00011
0.00327	0.303568	2.06E-11	0.305471	1.53E-11	0.370862	1.13E-16	0.557593	1.65E-39
0.57291	0.163597	0.00039	0.064187	0.16611	0.095373	0.03938	0.163334	0.00039
0.22825	0.057788	0.21258	0.217212	2.16E-06	0.222967	1.13E-06	0.302154	2.58E-11
0.01662	0.129993	0.0049	-0.02396	0.60552	0.007078	0.87875	0.073432	0.11302
1.62E-13	0.154501	0.00081	0.023785	0.60817	-0.01362	0.76915	0.081914	0.07699
7.88E-16	0.393176	1.03E-18	0.206705	6.68E-06	0.139623	0.00249	0.289626	1.78E-10
0.18581	0.103036	0.02598	0.029221	0.52875	-0.03467	0.4548	0.066041	0.15419
3.63E-30	0.456683	1.94E-25	0.179053	0.0001	0.026196	0.5723	0.181927	7.69E-05
4.50E-28	0.144163	0.00179	0.03965	0.39261	-0.04001	0.38833	0.072818	0.11607
0.8449	0.001035	0.98221	-0.04754	0.30528	-0.05126	0.26891	-0.04296	0.35429
0.63209	0.038457	0.40702	0.053714	0.24667	-0.04208	0.36424	-0.01605	0.7294
1.36E-14	0.091939	0.04707	-0.00282	0.95154	0.004352	0.92527	0.050261	0.2784
5.30E-06	0.123395	0.00759	0.064292	0.16542	0.031047	0.50331	0.119775	0.00958
0.06801	0.047917	0.30146	-0.05586	0.22824	-0.08903	0.05452	-0.04894	0.29119
0.00751	0.07198	0.12034	0.004148	0.92876	-0.05123	0.26918	0.048069	0.29992
8.87E-05	0.10174	0.02792	0.075361	0.10384	0.01015	0.82684	0.058636	0.20593

0.01381	0.119726	0.00961	-0.02685	0.56275	-0.02126	0.64682	0.011307	0.80746
0.58225	0.035437	0.44488	-0.03564	0.44226	-0.05726	0.21683	-0.02367	0.60995
0.72939	0.028026	0.54574	-0.04175	0.36805	-0.05433	0.24128	-0.0213	0.64608
0.00019	0.02837	0.54083	-0.01089	0.81435	0.033881	0.46513	0.057958	0.21124
0.93913	0.022197	0.63232	0.082791	0.07387	0.031103	0.50254	0.016665	0.71945
0.60783	0.040727	0.37987	0.020295	0.66178	-0.01769	0.70301	0.028034	0.54564
1.03E-11	0.070742	0.12687	-0.05465	0.23852	-0.05785	0.21209	0.050272	0.27829
0.54545	0.055089	0.23475	-0.0067	0.88517	-0.04937	0.28706	0.006115	0.89514
7.42E-10	0.112631	0.01488	0.060133	0.19457	0.064442	0.16443	0.174613	0.00015
0.17305	0.038535	0.40607	0.004663	0.91995	-0.03466	0.45495	0.028171	0.54367
0.54614	0.018522	0.68973	-0.08826	0.05665	-0.05772	0.21312	-0.03365	0.46813
7.39E-07	0.058465	0.20726	-0.05677	0.22079	-0.03307	0.47583	-0.00499	0.91443
0.33025	0.031528	0.49671	-0.00226	0.96119	-0.03325	0.47352	0.000784	0.98652
0.0251	0.057471	0.21511	-0.01187	0.79806	-0.0244	0.59894	0.003675	0.93688
0.2501	0.035698	0.44153	-0.01174	0.80023	-0.0441	0.34167	0.005558	0.90465
0.05864	0.036908	0.42619	-0.10605	0.02191	-0.05578	0.2289	-0.0409	0.37788
0.70268	0.011244	0.80852	-0.0674	0.14586	-0.05761	0.21399	-0.03003	0.51741
0.22731	0.036017	0.43745	-0.1415	0.00218	-0.08179	0.07743	-0.06579	0.15576
0.71664	0.021759	0.63906	-0.05688	0.21989	-0.03208	0.48926	-0.00442	0.92405
0.08239	0.042206	0.3628	-0.01195	0.79676	-0.03389	0.46506	0.02309	0.61869
0.18811	0.034883	0.45203	-0.04225	0.36235	-0.03232	0.486	-0.01175	0.80002
0.00156	0.048476	0.29584	-0.02226	0.63135	0.003506	0.93977	0.038593	0.40536
0.16046	0.061957	0.18135	0.041179	0.37461	-0.00243	0.95828	0.041428	0.37173
0.0636	0.08029	0.08306	0.056643	0.2218	-0.01075	0.81685	0.069989	0.13097
0.01603	0.117219	0.01124	0.050356	0.27749	-0.00483	0.91709	0.083136	0.07267
7.44E-19	0.142914	0.00196	0.057097	0.21811	0.041514	0.37073	0.123681	0.00745
0.04983	0.02011	0.66469	-0.09565	0.0388	-0.13235	0.00417	-0.06553	0.15743
0.80294	0.026828	0.56306	0.068582	0.13891	-0.00252	0.9566	0.02617	0.57268
0.74456	0.023394	0.61408	-0.02566	0.58017	-0.05015	0.27942	-0.01351	0.77086
0.10733	0.066006	0.15441	0.029337	0.52712	-0.0315	0.49707	0.023948	0.60572
0.26147	0.049168	0.289	0.004567	0.92158	-0.04231	0.36156	0.00788	0.86515
0.00026	0.070757	0.12679	0.076712	0.09777	-0.01463	0.75253	0.053905	0.24499
0.00735	0.059117	0.20223	0.030597	0.50952	-0.02123	0.64718	0.039133	0.39882
0.64705	0.056376	0.22398	0.011038	0.81196	-0.04136	0.37249	0.022823	0.62275
0.08048	0.047351	0.30721	-0.07226	0.11888	-0.05543	0.2319	-0.01015	0.82681
0.38347	0.106414	0.02145	0.105666	0.02239	0.03389	0.46502	0.113436	0.01418
5.46E-10	0.078046	0.09206	0.01441	0.75611	0.006944	0.88103	0.015833	0.73292
4.01E-07	0.109338	0.0181	-0.004	0.93127	-0.03678	0.42775	0.050009	0.28082
0.00211	0.203411	9.41E-06	0.035859	0.43946	0.318482	1.81E-12	0.332368	1.66E-13
0.01946	0.029999	0.51783	0.570565	1.10E-41	0.338272	5.77E-14	0.241947	1.20E-07
0.00553	-0.095	0.04017	0.010447	0.82185	0.015849	0.73265	-0.15938	0.00055
3.80E-23	0.048122	0.29939	0.005744	0.90147	0.041612	0.3696	0.011729	0.80043
0.24789	-0.04873	0.29328	-0.01298	0.77959	0.110131	0.01727	-0.08286	0.07362
2.60E-22	0.189678	3.70E-05	0.303556	2.07E-11	0.569347	1.78E-41	0.529474	4.20E-35
0.004	0.033526	0.46983	0.104988	0.02327	0.29406	9.08E-11	0.119017	0.01005

0.19316	-0.04066	0.3807	0.107702	0.01991	0.328569	3.23E-13	0.093582	0.04324
0.27956	0.070293	0.1293	0.202617	1.02E-05	0.578695	4.23E-43	0.4338	7.51E-23
0.00013	-0.02512	0.58817	0.062565	0.1771	0.043801	0.34493	-0.01275	0.78346
0.10794	0.192173	2.91E-05	0.359858	1.01E-15	0.618812	1.07E-50	0.448104	1.91E-24
0.28864	-0.07775	0.09332	0.094705	0.04078	0.259861	1.21E-08	0.001909	0.96718
0.0468	-0.03894	0.40113	-0.0756	0.10273	0.072156	0.11943	-0.06712	0.14755
2.60E-07	-0.1005	0.0299	-0.20332	9.49E-06	-0.07229	0.11873	-0.24117	1.32E-07
6.50E-06	-0.03368	0.4678	0.05327	0.25059	0.161086	0.00047	0.05991	0.19623
0.02371	-0.01911	0.68045	0.071483	0.12293	0.301871	2.70E-11	0.085193	0.06585
5.87E-10	-0.01382	0.76582	0.04103	0.37634	0.086044	0.06319	0.05602	0.22693
0.32158	0.002266	0.96105	0.155975	0.00072	0.289692	1.76E-10	0.10143	0.0284
1.50E-22	0.125712	0.00652	-0.01824	0.69426	0.241215	1.31E-07	0.254971	2.30E-08
8.14E-17	0.01012	0.82734	-0.01901	0.68198	-0.01166	0.80164	-0.0723	0.11868
1.76E-07	0.003076	0.94715	0.099269	0.03197	0.314912	3.28E-12	0.236744	2.27E-07
0.39	-0.03385	0.46559	0.063009	0.17404	0.129665	0.00501	-0.00621	0.8936
0.03398	-0.06575	0.156	0.032077	0.48925	0.062089	0.18043	-0.10823	0.01932
2.12E-05	0.16335	0.00039	0.183909	6.39E-05	0.275767	1.35E-09	0.215344	2.65E-06
0.05899	-0.07561	0.10269	-0.00583	0.90005	0.033476	0.47049	-0.07352	0.11257
0.00143	-0.04166	0.36906	0.113715	0.01394	0.156628	0.00068	-0.0052	0.91081
0.00461	-0.04831	0.2975	0.224899	9.10E-07	0.307247	1.15E-11	0.08377	0.07051
8.64E-05	-0.03879	0.40296	0.05162	0.26559	0.05009	0.28004	-0.0771	0.09608
0.09784	-0.01806	0.6971	0.185159	5.69E-05	0.478612	4.13E-28	0.226604	7.48E-07
0.00065	0.002709	0.95343	0.11509	0.01282	0.11008	0.01733	-0.001	0.98275
4.07E-09	0.069739	0.13236	0.145773	0.00159	0.137877	0.00283	0.069103	0.13593
0.14649	-0.0877	0.05825	0.077877	0.09277	0.219549	1.66E-06	-0.0077	0.86828
0.79078	-0.05498	0.23567	0.100198	0.03039	0.328305	3.38E-13	0.121554	0.00855
5.23E-38	0.091114	0.04909	0.124094	0.00726	0.268822	3.58E-09	0.18703	4.76E-05
0.1323	0.055897	0.22795	0.175176	0.00014	0.22211	1.25E-06	0.10978	0.01763
1.50E-36	0.072773	0.1163	0.165746	0.00032	0.261775	9.34E-09	0.174386	0.00015
0.00014	0.064782	0.16221	0.076566	0.09841	0.249736	4.52E-08	0.157042	0.00066
0.62115	-0.03193	0.4912	0.094782	0.04062	0.271818	2.36E-09	0.027755	0.54963
0.18445	-0.09304	0.04448	0.229441	5.39E-07	0.387479	3.53E-18	0.092316	0.04617
0.03832	-0.05498	0.23565	0.256784	1.81E-08	0.206924	6.53E-06	0.092784	0.04507
6.79E-17	-0.00065	0.98875	0.048673	0.29389	0.074367	0.10849	-0.04272	0.35693
6.64E-13	-0.01622	0.72662	0.074326	0.10869	0.199185	1.45E-05	0.021888	0.63708
0.10107	-0.07698	0.0966	0.055572	0.23067	0.167933	0.00027	-0.052	0.26205
0.19166	-0.07184	0.12106	0.087	0.0603	0.179458	9.64E-05	0.082243	0.07581
0.06467	0.023136	0.61799	0.031372	0.49885	0.2247	9.31E-07	0.082642	0.0744
9.96E-31	0.123161	0.00771	0.06421	0.16596	0.159939	0.00052	0.118197	0.01058
7.56E-05	0.052618	0.25645	0.124955	0.00686	0.280765	6.58E-10	0.140565	0.00233
4.84E-08	-0.0478	0.30269	-0.05671	0.22129	0.029306	0.52756	-0.06623	0.15303
2.59E-07	-0.07007	0.13054	-0.04074	0.37972	-0.06097	0.18841	-0.16724	0.00028
6.30E-14	0.01077	0.81643	-0.00303	0.94792	0.085002	0.06646	-0.01363	0.7689
7.01E-09	0.012558	0.78664	0.07139	0.12342	0.121371	0.00865	-0.01404	0.76211
0.00035	-0.00897	0.84674	-0.05469	0.23816	0.188711	4.06E-05	-0.00546	0.90628

0.33311	0.049769	0.28314	0.314197	3.69E-12	0.603345	1.22E-47	0.431983	1.18E-22
1.35E-19	0.037267	0.42171	0.132379	0.00416	0.163798	0.00038	0.075114	0.10498
0.04194	-0.02098	0.65106	0.058211	0.20925	0.238514	1.83E-07	0.050408	0.277
0.00055	-0.02289	0.62169	0.356258	2.02E-15	0.512224	1.34E-32	0.26372	7.19E-09
0.75971	-0.20895	5.27E-06	0.03048	0.51113	-0.02267	0.62501	-0.21615	2.42E-06
0.00787	0.117349	0.01115	0.090719	0.05008	0.265946	5.31E-09	0.26862	3.68E-09
0.28757	-0.1578	0.00062	-0.02171	0.63983	0.139657	0.00249	-0.11103	0.01638
0.90859	-0.15566	0.00074	-0.06758	0.14477	-0.04334	0.35009	-0.20318	9.64E-06
0.85416	-0.12223	0.00819	-0.01684	0.71656	0.023416	0.61375	-0.13159	0.00439
6.54E-05	-0.02058	0.65736	0.133123	0.00395	0.292527	1.15E-10	0.1212	0.00875
5.87E-05	-0.01084	0.81531	0.090858	0.04973	0.215429	2.62E-06	0.055355	0.2325
4.93E-10	0.159265	0.00055	0.283296	4.55E-10	0.429377	2.26E-22	0.390548	1.82E-18
8.68E-10	0.069921	0.13135	0.124913	0.00688	0.353739	3.27E-15	0.262401	8.59E-09
5.14E-06	-0.06028	0.19349	0.045518	0.32633	0.221107	1.40E-06	0.116436	0.0118
3.44E-11	0.103857	0.0248	0.130041	0.00488	0.344836	1.74E-14	0.264093	6.83E-09
0.33941	-0.02572	0.57928	0.053492	0.24862	0.024046	0.60423	-0.05648	0.22309
3.27E-18	0.336814	7.50E-14	0.330199	2.43E-13	0.365965	3.02E-16	0.355547	2.31E-15
4.73E-06	-0.00169	0.97098	0.186687	4.92E-05	0.311087	6.16E-12	0.107769	0.01984
3.26E-09	-0.00636	0.89097	0.081208	0.07958	0.162828	0.00041	0.043827	0.34464
0.46773	-0.04665	0.31447	0.187457	4.58E-05	0.260025	1.18E-08	0.067635	0.14447
8.80E-05	0.032721	0.48056	0.136509	0.00312	0.180408	8.84E-05	0.138345	0.00273
1.27E-14	-0.0269	0.56203	0.236567	2.31E-07	0.169893	0.00023	0.005015	0.91394
2.04E-19	0.066614	0.15064	0.061181	0.18689	0.077781	0.09317	0.002997	0.94849
2.53E-15	0.004914	0.91566	0.202139	1.07E-05	0.35982	1.01E-15	0.191131	3.21E-05
7.92E-05	0.004637	0.9204	0.174975	0.00014	0.379251	2.01E-17	0.165215	0.00034
0.00051	0.143447	0.00189	0.265912	5.33E-09	0.294091	9.04E-11	0.29688	5.89E-11
2.14E-19	0.073891	0.11078	0.077243	0.09546	0.067973	0.14247	-0.00169	0.97099
0.00121	-0.02854	0.5384	0.185686	5.41E-05	0.187682	4.48E-05	0.003176	0.94543
0.16505	-0.09522	0.03969	0.077211	0.0956	0.049531	0.28545	-0.11967	0.00964
0.00232	-0.00108	0.9814	-0.03981	0.39066	0.175438	0.00014	0.025862	0.5772
1.77E-05	0.115551	0.01246	0.284006	4.10E-10	0.477176	6.26E-28	0.432329	1.09E-22
0.63291	-0.01465	0.75218	0.262824	8.11E-09	0.570552	1.11E-41	0.333438	1.37E-13
5.90E-06	0.091595	0.0479	0.04212	0.36378	0.220166	1.55E-06	0.174388	0.00015
0.00094	0.117289	0.01119	0.102666	0.02652	0.08889	0.05491	0.02015	0.66405
8.09E-18	0.050856	0.27275	0.096489	0.03712	0.099387	0.03177	-0.01845	0.69091
0.00042	-0.07125	0.12416	0.15063	0.00109	0.146038	0.00155	-0.01751	0.70594
3.20E-08	-0.0259	0.57659	0.164159	0.00037	0.312406	4.96E-12	0.111369	0.01605
2.48E-08	0.077048	0.09631	0.260312	1.14E-08	0.571051	9.08E-42	0.408495	3.30E-20
0.0001	-0.00193	0.96678	0.130669	0.00468	0.388393	2.90E-18	0.237139	2.16E-07
0.16819	-0.03207	0.48929	0.096074	0.03795	0.20464	8.28E-06	0.138126	0.00278
0.34396	0.083495	0.07144	0.253571	2.76E-08	0.489572	1.61E-29	0.358703	1.26E-15
0.85828	0.02452	0.59712	0.193315	2.60E-05	0.388763	2.68E-18	0.219259	1.72E-06
2.90E-14	0.108538	0.01897	0.267898	4.06E-09	0.375661	4.24E-17	0.334946	1.05E-13
0.0065	0.119091	0.01	0.344778	1.76E-14	0.327054	4.20E-13	0.328358	3.35E-13
1.88E-12	0.026528	0.56743	0.288117	2.23E-10	0.373374	6.77E-17	0.251957	3.40E-08



2.08E-22	0.140881	0.00228	0.262409	8.58E-09	0.426861	4.20E-22	0.394726	7.32E-19
1.64E-07	-0.01881	0.68517	0.112721	0.0148	0.301785	2.74E-11	0.094361	0.04153
5.13E-16	0.068567	0.139	0.139889	0.00245	0.127278	0.00588	0.058944	0.20355
0.20692	-0.05995	0.19593	-0.04073	0.37984	0.145416	0.00163	-0.0502	0.27901
2.69E-08	0.101578	0.02817	0.349002	8.01E-15	0.327636	3.79E-13	0.313814	3.94E-12
0.24356	0.32814	3.48E-13	0.268614	3.68E-09	0.331572	1.91E-13	0.304013	1.92E-11
1.98E-06	-0.01275	0.78346	0.005354	0.90813	0.148387	0.0013	-0.0337	0.46755
0.87521	-0.07154	0.12261	0.197746	1.67E-05	0.169287	0.00024	0.018509	0.68994
8.72E-05	-0.0291	0.53046	0.1937	2.50E-05	0.35885	1.22E-15	0.13406	0.0037
0.08672	-0.04658	0.3152	0.137576	0.00289	0.341904	2.98E-14	0.090994	0.04939
2.91E-06	0.004608	0.92089	0.138525	0.0027	0.240217	1.49E-07	0.107948	0.01963
1.50E-14	0.025524	0.58219	0.055676	0.2298	0.189553	3.74E-05	0.184411	6.10E-05
0.01398	-0.08698	0.06035	0.131837	0.00432	0.38946	2.30E-18	0.225805	8.21E-07
0.00149	-0.06902	0.1364	0.094624	0.04096	0.046803	0.31285	-0.06224	0.17939
1.81E-10	0.013577	0.76981	0.041578	0.36999	0.03662	0.42981	-0.02958	0.52371
0.00613	-0.02707	0.55958	0.221617	1.32E-06	0.178244	0.00011	0.095964	0.03817
0.00785	-0.08666	0.06132	0.123201	0.00769	0.104264	0.02424	-0.10915	0.01831
0.77509	-0.10038	0.03009	0.228794	5.81E-07	0.385728	5.14E-18	0.167813	0.00027
1.88E-07	-0.04015	0.38667	0.337724	6.37E-14	0.356124	2.07E-15	0.148028	0.00134
0.9943	-0.02528	0.58583	0.213773	3.14E-06	0.498105	1.19E-30	0.256948	1.77E-08
0.4067	-0.03266	0.48143	0.224639	9.38E-07	0.313097	4.43E-12	0.190276	3.49E-05
8.50E-13	0.025941	0.57603	-0.0155	0.73833	0.031694	0.49445	-0.03547	0.4444
0.17047	-0.14809	0.00133	0.009461	0.83842	0.069632	0.13296	-0.15353	0.00087
1.08E-24	0.064136	0.16645	0.019378	0.67619	0.021638	0.64093	0.008562	0.85359
5.69E-08	0.081049	0.08018	0.250941	3.87E-08	0.307739	1.06E-11	0.139935	0.00244
0.00528	0.003835	0.93414	-0.01867	0.68744	0.027185	0.55787	-0.07302	0.11508
0.17287	0.036462	0.43181	0.177196	0.00012	0.382761	9.64E-18	0.203101	9.71E-06
4.41E-09	0.072824	0.11604	0.06501	0.16073	0.12073	0.00901	0.053584	0.24781
9.62E-24	0.056923	0.21951	0.095298	0.03953	0.154931	0.00078	0.104168	0.02437
4.80E-28	0.10162	0.0281	0.095346	0.03943	0.18639	5.06E-05	0.17738	0.00012
6.15E-10	0.049712	0.28369	0.075031	0.10537	0.199321	1.43E-05	0.200542	1.26E-05
2.33E-08	0.037148	0.42319	0.105521	0.02257	0.25675	1.82E-08	0.159201	0.00055
1.85E-05	-0.06261	0.17677	0.022967	0.62056	0.099915	0.03087	-0.07883	0.08883
0.08268	-0.07299	0.11519	0.005525	0.90522	0.053975	0.24437	-0.0909	0.04962
0.08681	-0.10781	0.01978	0.198246	1.59E-05	0.218508	1.87E-06	0.02417	0.60237
0.00058	-0.0556	0.23042	0.233774	3.23E-07	0.36595	3.03E-16	0.109172	0.01828
0.4467	0.115669	0.01237	0.051305	0.26852	0.176612	0.00012	0.103093	0.02589
0.19278	0.093504	0.04342	0.153869	0.00085	0.338292	5.75E-14	0.289468	1.82E-10
0.06487	0.188547	4.12E-05	0.223317	1.09E-06	0.505824	1.05E-31	0.363929	4.52E-16
0.00354	-0.19146	3.11E-05	-0.11861	0.01031	-0.07049	0.12821	-0.25674	1.82E-08
0.9605	0.152735	0.00093	0.087096	0.06001	0.380934	1.42E-17	0.376166	3.82E-17
0.42884	-0.1146	0.01321	0.172256	0.00018	0.220987	1.42E-06	0.012664	0.7849
0.02046	0.036671	0.42918	0.157475	0.00064	0.18011	9.08E-05	0.165388	0.00033
5.27E-57	0.045955	0.32171	0.080307	0.08299	0.153267	0.00089	0.123486	0.00755
0.00075	-0.06096	0.18848	-0.1612	0.00047	0.020472	0.65903	-0.0132	0.77596

2.06E-10	0.0327	0.48084	0.074232	0.10914	0.079717	0.08528	-0.04745	0.30624
0.00263	-0.12255	0.00802	0.021547	0.64233	-0.19775	1.67E-05	-0.27675	1.17E-09
0.02473	-0.0375	0.4188	0.123853	0.00737	0.276837	1.16E-09	0.071084	0.12504
0.0034	-0.02213	0.63329	0.239873	1.55E-07	0.406644	5.04E-20	0.202351	1.05E-05
0.32911	0.160896	0.00048	0.215597	2.58E-06	0.388971	2.56E-18	0.380675	1.49E-17
1.78E-07	0.176234	0.00013	0.329328	2.83E-13	0.52154	6.21E-34	0.483279	1.05E-28
4.16E-17	0.039682	0.39223	0.077315	0.09516	0.193091	2.66E-05	0.068912	0.13702
0.03359	0.016408	0.7236	0.170278	0.00022	0.269047	3.47E-09	0.099978	0.03076
0.01552	-0.01714	0.71183	0.154772	0.00079	0.336458	8.00E-14	0.118544	0.01035
6.18E-13	0.026844	0.56283	0.227276	6.93E-07	0.321446	1.10E-12	0.181613	7.91E-05
4.82E-11	-0.00746	0.8722	0.054511	0.23971	0.097813	0.03459	-0.00387	0.93348
0.06874	-0.09837	0.03356	0.043034	0.35346	0.105622	0.02244	-0.12989	0.00493
0.01788	-0.05224	0.25984	0.113552	0.01408	0.278912	8.61E-10	0.028475	0.53933
0.0067	0.079706	0.08533	0.028967	0.53235	0.054799	0.23724	0.009759	0.83342
2.26E-15	0.039237	0.39757	0.029921	0.51892	0.135902	0.00325	0.067444	0.1456
2.10E-09	0.095314	0.0395	0.258881	1.37E-08	0.429764	2.05E-22	0.30688	1.22E-11
0.14438	-0.12068	0.00904	0.000863	0.98515	0.022769	0.62358	-0.16541	0.00033
2.89E-08	-0.04865	0.29414	-0.03819	0.41028	0.078686	0.08941	-0.09466	0.04089
0.02045	0.042619	0.35812	0.244591	8.65E-08	0.444107	5.42E-24	0.339852	4.34E-14
0.13485	0.068913	0.13701	-0.04091	0.37778	0.158741	0.00058	0.127218	0.0059
3.28E-07	-0.05677	0.2208	0.026115	0.57349	0.059228	0.20138	-0.03499	0.45067
5.11E-07	0.193891	2.46E-05	0.138558	0.00269	0.434464	6.36E-23	0.467717	9.27E-27
0.00021	0.082547	0.07473	0.14223	0.00206	0.416855	4.68E-21	0.243248	1.02E-07
1.80E-21	-0.00481	0.91742	0.378334	2.44E-17	0.304037	1.92E-11	0.192357	2.85E-05
9.98E-08	-0.00287	0.9507	-0.17532	0.00014	0.03059	0.50962	-0.06163	0.18369
1.67E-06	0.150459	0.00111	0.269801	3.12E-09	0.421112	1.69E-21	0.334634	1.11E-13
3.89E-06	0.004472	0.92321	0.559163	9.13E-40	0.419894	2.27E-21	0.294226	8.85E-11
1.51E-06	0.000312	0.99463	0.054512	0.2397	0.004186	0.92811	-0.09	0.05194
0.30363	0.140097	0.00241	0.211359	4.08E-06	0.381571	1.24E-17	0.287842	2.32E-10
0.00774	-0.0034	0.94153	0.082615	0.07449	0.239129	1.70E-07	0.039334	0.3964
0.04767	0.001576	0.97291	0.205101	7.90E-06	0.136265	0.00317	0.085927	0.06355
0.01227	-0.05799	0.21099	0.116624	0.01166	0.238264	1.88E-07	0.02606	0.57429
2.30E-15	0.283564	4.38E-10	0.480623	2.30E-28	0.503747	2.03E-31	0.504271	1.72E-31
0.32561	-0.08437	0.06853	0.181288	8.15E-05	0.141459	0.00218	0.028758	0.53531
0.00267	0.070141	0.13014	0.274618	1.59E-09	0.534719	6.81E-36	0.434501	6.30E-23
0.06468	0.076995	0.09654	0.224907	9.09E-07	0.479064	3.62E-28	0.440362	1.42E-23
0.00037	0.089579	0.05305	0.212532	3.59E-06	0.351367	5.13E-15	0.362324	6.20E-16
2.04E-07	-0.0554	0.2321	0.144805	0.0017	0.193617	2.52E-05	0.018181	0.69516
8.18E-08	-0.0395	0.39441	0.263828	7.08E-09	0.37351	6.59E-17	0.17011	0.00022
2.90E-05	0.03872	0.40382	0.233879	3.19E-07	0.37313	7.12E-17	0.298962	4.26E-11
8.65E-15	-0.03833	0.40856	0.109281	0.01816	0.095738	0.03863	0.054086	0.2434
2.21E-12	0.021158	0.64834	0.264124	6.80E-09	0.455291	2.82E-25	0.325047	5.93E-13
0.01305	0.020048	0.66565	0.084785	0.06716	0.296591	6.15E-11	0.161431	0.00046
0.03578	0.006665	0.88578	0.426547	4.53E-22	0.62271	1.70E-51	0.388028	3.14E-18
5.20E-06	-0.05348	0.24871	0.129269	0.00515	0.168687	0.00025	0.058241	0.20901

1.64E-17	0.050189	0.27909	0.225574	8.43E-07	0.4068	4.87E-20	0.262395	8.59E-09
6.97E-20	0.164003	0.00037	0.386143	4.70E-18	0.538876	1.57E-36	0.509161	3.61E-32
4.50E-09	-0.03762	0.41728	0.177279	0.00012	0.286621	2.79E-10	0.099413	0.03172
0.00042	-0.01715	0.71161	0.070211	0.12975	0.237262	2.13E-07	0.041368	0.37242
9.58E-08	0.065496	0.15762	0.216172	2.42E-06	0.202854	9.96E-06	0.14885	0.00126
0.04187	-0.03073	0.50764	-0.0035	0.93979	0.080253	0.0832	-0.08243	0.07515
0.00013	-0.02601	0.57509	0.144871	0.0017	0.221001	1.42E-06	0.013927	0.76405
1.74E-19	0.045479	0.32675	-0.03202	0.49005	0.083486	0.07147	0.010894	0.81436
2.51E-05	-0.03872	0.40387	0.231842	4.06E-07	0.369733	1.42E-16	0.1353	0.00339
0.0003	0.142038	0.00209	0.44073	1.30E-23	0.445219	4.06E-24	0.381109	1.36E-17
0.2003	0.037959	0.41313	0.101609	0.02812	0.1405	0.00234	0.040572	0.3817
8.58E-06	0.067837	0.14327	0.302664	2.38E-11	0.390807	1.72E-18	0.27411	1.71E-09
0.00179	0.083002	0.07314	0.303785	1.99E-11	0.520918	7.65E-34	0.380499	1.55E-17
3.02E-22	0.028002	0.54609	0.085881	0.06369	0.247347	6.12E-08	0.134043	0.00371
0.0365	-0.10069	0.02958	0.011084	0.81119	0.076081	0.10057	-0.10957	0.01785
9.62E-05	-0.02909	0.53065	0.139358	0.00254	0.121966	0.00833	0.081245	0.07945
0.00132	-0.04291	0.35483	0.031841	0.49244	0.08244	0.07511	-0.0374	0.42008
0.00699	-0.01938	0.67616	0.275991	1.31E-09	0.513484	8.91E-33	0.318947	1.67E-12
2.61E-08	-0.00736	0.874	0.176973	0.00012	0.225719	8.29E-07	0.151095	0.00106
7.06E-11	0.258148	1.51E-08	0.317211	2.24E-12	0.282876	4.84E-10	0.283717	4.28E-10
0.00059	0.028232	0.5428	0.140926	0.00227	0.290465	1.57E-10	0.117822	0.01083
0.97837	-0.07688	0.09703	0.199529	1.40E-05	0.299925	3.67E-11	0.07141	0.12332
1.85E-12	-0.03354	0.4697	0.192885	2.71E-05	0.199568	1.39E-05	0.101163	0.02882
0.16737	-0.01542	0.73957	0.200294	1.29E-05	0.350316	6.26E-15	0.168882	0.00025
2.33E-08	0.029908	0.5191	0.010993	0.81271	0.073848	0.11099	0.001602	0.97246
3.10E-20	0.001695	0.97085	0.041494	0.37096	0.149367	0.00121	0.014335	0.75735
1.80E-17	0.161223	0.00047	0.152313	0.00096	0.314402	3.57E-12	0.304133	1.89E-11
3.69E-06	-0.00223	0.96165	0.103768	0.02493	0.33217	1.72E-13	0.134447	0.0036
1.26E-08	-0.09943	0.0317	-0.02498	0.59025	0.011526	0.8038	-0.12697	0.006
1.31E-19	0.075124	0.10494	0.083388	0.07181	0.179721	9.41E-05	0.123596	0.00749
6.33E-15	0.047021	0.31059	0.108477	0.01903	0.250116	4.30E-08	0.149447	0.0012
7.00E-12	0.017144	0.71175	0.083269	0.07221	0.164271	0.00036	0.025271	0.58593
1.38E-21	0.131706	0.00436	0.378494	2.36E-17	0.587701	1.03E-44	0.523256	3.49E-34
3.41E-06	0.255969	2.02E-08	0.158906	0.00057	0.36252	5.97E-16	0.292911	1.08E-10
0.17405	0.116671	0.01163	0.317158	2.26E-12	0.481187	1.95E-28	0.390224	1.95E-18
6.30E-14	0.055528	0.23104	0.170373	0.00022	0.34641	1.30E-14	0.222371	1.21E-06
0.00012	-0.01105	0.81179	0.086489	0.06183	0.310318	6.98E-12	0.2577	1.61E-08
1.36E-05	-0.03764	0.41708	0.071771	0.12143	0.183423	6.69E-05	0.005844	0.89978
0.11343	-0.01643	0.72319	0.226232	7.81E-07	0.215803	2.52E-06	0.071708	0.12175
0.00353	-0.05216	0.26065	0.013824	0.76574	0.01606	0.72923	-0.1108	0.01661
0.09953	0.258602	1.43E-08	0.469784	5.18E-27	0.495581	2.58E-30	0.466824	1.19E-26
0.00029	-0.04755	0.30521	-0.12149	0.00859	0.062177	0.17981	-0.08152	0.07843
0.71723	-0.00424	0.92717	0.116352	0.01186	0.185736	5.39E-05	0.047775	0.30289
0.00238	-0.03055	0.51015	0.148521	0.00129	0.192219	2.89E-05	-0.00246	0.95769
3.75E-05	0.153697	0.00086	0.544358	2.21E-37	0.648429	4.70E-57	0.52949	4.18E-35

0.23157	0.031414	0.49827	0.169281	0.00024	0.355898	2.16E-15	0.218501	1.87E-06
6.06E-06	0.017208	0.71071	0.126883	0.00604	0.166335	0.00031	0.061705	0.18314
1.94E-06	0.046169	0.31946	-0.04054	0.38209	0.05428	0.24171	0.022281	0.63104
3.60E-07	0.079485	0.0862	0.04825	0.29811	0.06128	0.18618	0.069337	0.13461
0.19347	0.074412	0.10828	-0.03057	0.50989	0.023425	0.6136	-0.01198	0.79624
0.31617	0.029117	0.53022	-0.05874	0.20515	0.065959	0.15471	0.02596	0.57576
0.07011	0.019829	0.66908	-0.01901	0.68191	0.072378	0.1183	0.099848	0.03098
0.08258	0.049622	0.28456	-0.03048	0.51118	0.078966	0.08828	0.04346	0.3487
0.09539	0.058807	0.20461	-0.022	0.63533	0.052062	0.26151	0.017551	0.70522
0.14623	0.048281	0.29779	-0.0092	0.8428	0.11152	0.01591	0.061608	0.18383
0.48585	0.048715	0.29346	-0.05233	0.2591	0.086604	0.06148	0.06214	0.18006
0.96301	0.00147	0.97473	0.003572	0.93864	0.07477	0.10659	0.04963	0.28448
0.00137	0.008757	0.8503	-0.03558	0.44307	0.003243	0.94428	-0.07168	0.1219
0.2459	-0.00716	0.87739	-0.07574	0.10212	0.050544	0.2757	-0.03338	0.47174
0.34585	0.044615	0.33604	-0.00517	0.9112	0.095409	0.03931	0.038746	0.4035
0.03281	0.058528	0.20677	-0.07307	0.11481	0.055703	0.22957	-0.00602	0.89674
5.98E-06	0.050896	0.27236	0.021308	0.64603	0.031241	0.50064	0.089308	0.05378
1.17E-10	-0.00425	0.92698	0.111132	0.01628	0.037825	0.41478	-0.04778	0.30287
6.41E-07	0.06741	0.14581	-0.00331	0.9432	0.117648	0.01095	0.060208	0.19401
5.55E-09	0.126654	0.00613	-0.02818	0.54351	0.089844	0.05235	0.064882	0.16156
0.34291	0.021523	0.6427	-0.03063	0.50907	0.01385	0.76531	-0.05601	0.227
0.20076	0.024266	0.60093	-0.03037	0.51263	0.087709	0.05823	-0.0086	0.853
0.00805	0.087637	0.05843	0.077493	0.09439	0.277175	1.10E-09	0.264808	6.20E-09
0.30181	0.005805	0.90044	-0.04034	0.38442	0.044992	0.33196	-0.00396	0.93196
0.44002	-0.01844	0.691	-0.04234	0.36132	-0.01338	0.77311	-0.05965	0.19818
0.1174	0.103056	0.02595	-0.02134	0.64548	0.067538	0.14505	0.058582	0.20635
0.01186	0.371149	1.06E-16	-0.02402	0.60457	0.040143	0.38676	0.089059	0.05445
4.15E-07	0.123452	0.00756	0.103834	0.02484	0.174002	0.00016	0.180642	8.65E-05
0.54559	0.056864	0.21999	-0.00485	0.91677	0.043823	0.34469	0.017601	0.70441
0.17105	0.052004	0.26205	-0.07471	0.10687	0.064339	0.16511	0.030673	0.50847
0.00065	0.119871	0.00952	0.007179	0.87704	0.154763	0.00079	0.158523	0.00059
0.03374	0.023012	0.61988	-0.10529	0.02288	0.084303	0.06873	0.006192	0.89384
7.60E-06	0.06098	0.18835	-0.02018	0.66366	0.053986	0.24428	0.012133	0.7937
0.31441	0.02705	0.55983	-0.04982	0.28267	0.116504	0.01175	0.044772	0.33433
0.38279	0.117014	0.01139	0.266974	4.61E-09	0.516025	3.88E-33	0.441179	1.15E-23
0.00711	0.040581	0.38159	-0.07822	0.09134	0.026852	0.56271	0.002825	0.95145
8.01E-11	0.090573	0.05046	0.082454	0.07506	0.008767	0.85013	0.099752	0.03114
1.02E-05	0.242707	1.09E-07	-0.08764	0.05842	0.01406	0.76186	0.049412	0.2866
0.00196	0.184739	5.92E-05	-0.0734	0.11319	0.072557	0.11739	0.067506	0.14523
0.0003	0.068331	0.14037	-0.03775	0.4157	0.007494	0.87169	-0.0411	0.3755
0.00064	0.085198	0.06583	0.0099	0.83104	0.10627	0.02163	0.067866	0.1431
0.10217	0.020607	0.65692	-0.0269	0.56205	0.025507	0.58244	-0.03545	0.44464
0.17779	0.015418	0.73965	-0.0413	0.37322	0.010401	0.82262	-0.03893	0.40123
4.62E-08	0.112048	0.01541	-0.05752	0.21467	0.026293	0.57087	0.019172	0.67943
5.37E-09	0.122233	0.00819	-0.06092	0.1888	0.099056	0.03234	0.029696	0.52207

1.15E-12	0.111072	0.01634	-0.08005	0.08398	0.03161	0.4956	0.036964	0.42549
1.94E-21	0.200367	1.28E-05	-0.00632	0.8917	0.091808	0.04738	0.128401	0.00546
0.0005	0.229283	5.49E-07	-0.00661	0.8867	0.013779	0.76649	0.110876	0.01653
0.00852	0.015215	0.74295	-0.06038	0.19275	0.046388	0.31716	0.030171	0.51544
1.04E-06	0.207336	6.25E-06	0.154041	0.00084	0.302965	2.27E-11	0.312062	5.25E-12
0.00158	0.050908	0.27225	-0.05162	0.26559	0.001579	0.97285	0.010257	0.82504
1.74E-15	0.096272	0.03755	0.028223	0.54293	0.077027	0.0964	0.075795	0.10186
0.22635	0.067013	0.1482	-0.02509	0.5886	-0.00429	0.92631	0.003682	0.93675
3.57E-36	0.183601	6.58E-05	-0.02372	0.60919	0.061313	0.18594	0.068469	0.13957
0.0002	0.151013	0.00106	-0.01716	0.71147	0.060856	0.18925	0.069684	0.13266
0.46321	0.064042	0.16708	0.003623	0.93776	0.062711	0.17609	0.038447	0.40715
0.91648	-0.03977	0.39119	-0.20816	5.73E-06	-0.15218	0.00097	-0.20338	9.43E-06
0.88161	0.029162	0.52959	-0.14805	0.00133	-0.00043	0.99258	-0.04136	0.37256
0.47928	0.037318	0.42106	0.000196	0.99662	0.126681	0.00612	0.084667	0.06754
0.63998	-0.00495	0.91498	-0.07099	0.12556	0.001247	0.97856	-0.0196	0.67263
0.00786	0.014121	0.76086	0.032887	0.47834	0.012218	0.79229	0.027787	0.54918
0.2642	0.005489	0.90583	-0.09324	0.04402	-0.05828	0.20868	-0.04425	0.33999
0.83221	-0.00407	0.93014	-0.11	0.01741	-0.04466	0.3355	-0.04737	0.307
0.77958	0.024666	0.59494	-0.133	0.00399	-0.00651	0.88841	-0.0446	0.33622
0.00052	0.203377	9.44E-06	0.105315	0.02284	0.298678	4.45E-11	0.347346	1.09E-14
7.44E-21	-0.03607	0.43681	-0.14218	0.00207	-0.24987	4.44E-08	-0.19852	1.55E-05
1.65E-07	0.068345	0.14029	-0.06076	0.18993	-0.011	0.81253	0.095773	0.03856
5.48E-07	-0.10249	0.02677	-0.04963	0.28447	-0.12634	0.00626	-0.16273	0.00041
5.19E-05	-0.1181	0.01064	-0.14158	0.00216	-0.23463	2.92E-07	-0.19979	1.36E-05
2.18E-05	-0.17005	0.00022	-0.01548	0.73859	-0.22511	8.88E-07	-0.25826	1.49E-08
8.79E-09	-0.06283	0.17526	-0.0913	0.04863	-0.14212	0.00208	-0.11055	0.01685
9.93E-05	-0.11547	0.01253	-0.03321	0.47408	-0.2225	1.20E-06	-0.21339	3.27E-06
0.2795	-0.03857	0.4056	-0.16806	0.00026	-0.34535	1.58E-14	-0.1947	2.27E-05
3.24E-11	0.120443	0.00918	0.167451	0.00028	0.086487	0.06183	0.205852	7.30E-06
4.21E-18	-0.14908	0.00123	-0.23664	2.29E-07	-0.26817	3.91E-09	-0.2796	7.79E-10
1.37E-07	-0.23014	4.97E-07	-0.14342	0.00189	-0.34318	2.36E-14	-0.3444	1.89E-14
0.00358	-0.19571	2.05E-05	-0.14604	0.00155	-0.27313	1.96E-09	-0.39168	1.42E-18
1.42E-07	-0.16372	0.00038	-0.09489	0.04039	-0.15197	0.00099	-0.25254	3.15E-08
0.00035	0.067182	0.14718	-0.03911	0.39905	0.087045	0.06017	0.084017	0.06968
6.05E-16	0.010105	0.8276	-0.08362	0.07103	-0.11134	0.01608	-0.05117	0.26983
1.97E-13	-0.0891	0.05433	-0.01026	0.82493	-0.23731	2.12E-07	-0.18624	5.13E-05
0.00144	-0.11622	0.01196	-0.12003	0.00942	-0.23456	2.94E-07	-0.20482	8.13E-06
0.86292	-0.04459	0.33627	0.15161	0.00101	-0.03257	0.48266	-0.0583	0.20854
2.43E-10	-0.10477	0.02356	-0.13396	0.00373	-0.25359	2.75E-08	-0.22475	9.26E-07
4.51E-10	-0.13095	0.00459	-0.27468	1.58E-09	-0.34864	8.58E-15	-0.31942	1.55E-12
0.00708	-0.13117	0.00452	-0.27713	1.11E-09	-0.29732	5.50E-11	-0.23371	3.26E-07
7.38E-07	-0.18548	5.52E-05	-0.21222	3.72E-06	-0.31759	2.10E-12	-0.32802	3.55E-13
1.34E-18	-0.13229	0.00419	0.027099	0.55912	-0.05988	0.19645	-0.09799	0.03425
0.00437	-0.10481	0.02351	-0.18358	6.59E-05	-0.33676	7.58E-14	-0.24232	1.15E-07
1.31E-16	-0.10805	0.01952	-0.20987	4.78E-06	-0.22887	5.76E-07	-0.24264	1.10E-07

1.84E-09	-0.19649	1.90E-05	-0.18824	4.24E-05	-0.32519	5.79E-13	-0.35167	4.85E-15
0.8789	-0.1111	0.01631	-0.15361	0.00087	-0.28499	3.55E-10	-0.20436	8.53E-06
0.99908	0.039518	0.39419	-0.04435	0.33895	-0.08578	0.064	-0.04529	0.32876
2.04E-08	-0.00091	0.98433	0.04754	0.30529	0.022241	0.63166	0.047639	0.30427
0.50987	0.034763	0.45358	-0.1473	0.00141	-0.25457	2.42E-08	-0.14882	0.00126
5.59E-19	0.02125	0.64693	0.026007	0.57507	0.013794	0.76623	-0.00953	0.83721
1.12E-12	-0.12303	0.00778	-0.24647	6.84E-08	-0.23484	2.85E-07	-0.28013	7.22E-10
7.68E-08	-0.16194	0.00044	-0.28341	4.48E-10	-0.34787	9.91E-15	-0.35335	3.52E-15
4.73E-11	-0.11097	0.01643	-0.06204	0.18075	-0.22718	7.00E-07	-0.16065	0.00049
0.02079	-0.15188	0.00099	-0.08936	0.05363	-0.3488	8.33E-15	-0.2882	2.20E-10
0.02553	-0.17833	0.00011	-0.10432	0.02416	-0.37636	3.67E-17	-0.3383	5.74E-14
1.63E-23	-0.11544	0.01254	-0.19799	1.63E-05	-0.33599	8.70E-14	-0.31874	1.73E-12
9.31E-05	0.021135	0.64871	0.087061	0.06012	-0.11466	0.01316	0.000627	0.98922
1.45E-07	-0.1015	0.02829	-0.11186	0.01559	-0.28585	3.12E-10	-0.26231	8.69E-09
5.58E-12	-0.13459	0.00357	-0.25186	3.44E-08	-0.32653	4.59E-13	-0.36632	2.81E-16
0.33138	-0.0532	0.2512	-0.06418	0.16613	-0.18225	7.46E-05	-0.08857	0.0558
0.00038	-0.25269	3.09E-08	-0.04874	0.29317	-0.3022	2.56E-11	-0.39719	4.24E-19
0.01301	-0.06278	0.1756	-0.02475	0.59365	-0.14065	0.00231	-0.08977	0.05254
9.73E-14	-0.1245	0.00707	0.008152	0.86054	-0.13366	0.00381	-0.22772	6.58E-07
0.00026	-0.14659	0.00149	-0.25607	1.99E-08	-0.36284	5.60E-16	-0.41523	6.87E-21
0.49792	0.014131	0.76069	-0.15307	0.0009	-0.27016	2.97E-09	-0.13223	0.0042
0.04594	0.001458	0.97493	0.029551	0.52411	0.14243	0.00203	0.143549	0.00187
2.66E-05	-0.09339	0.04368	-0.17219	0.00018	-0.14948	0.0012	-0.20146	1.15E-05
0.00676	-0.05486	0.23668	-0.08177	0.07753	-0.16099	0.00048	-0.15484	0.00079
1.06E-06	-0.05866	0.20576	-0.21821	1.93E-06	-0.28078	6.57E-10	-0.27196	2.31E-09
2.82E-15	-0.00477	0.91808	0.098604	0.03314	0.029747	0.52136	0.098067	0.03412
6.27E-19	0.039577	0.39349	-0.0735	0.1127	-0.033	0.47684	0.013161	0.77668
2.57E-06	-0.15114	0.00105	-0.21808	1.96E-06	-0.33548	9.53E-14	-0.32876	3.12E-13
1.09E-10	-0.19282	2.73E-05	-0.09127	0.04871	-0.34306	2.41E-14	-0.38514	5.82E-18
4.67E-08	-0.06395	0.16767	-0.03693	0.42589	-0.1727	0.00018	-0.13731	0.00294
0.00011	-0.16217	0.00043	-0.17186	0.00019	-0.36592	3.05E-16	-0.38281	9.53E-18
0.00088	-0.07027	0.12941	-0.08006	0.08396	-0.18821	4.26E-05	-0.15486	0.00079
0.03588	-0.08637	0.06217	-0.18621	5.15E-05	-0.38211	1.11E-17	-0.27166	2.41E-09
4.88E-19	-0.19079	3.32E-05	-0.04109	0.37563	-0.16792	0.00027	-0.2808	6.55E-10
1.30E-10	-0.20566	7.45E-06	-0.14691	0.00146	-0.33848	5.56E-14	-0.44432	5.13E-24
1.99E-11	-0.14058	0.00233	-0.02192	0.63654	-0.11413	0.01359	-0.16569	0.00032
5.76E-06	-0.06467	0.16294	-0.12395	0.00732	-0.13606	0.00322	-0.10452	0.0239
2.46E-06	-0.13617	0.00319	-0.02887	0.53372	-0.1976	1.70E-05	-0.21822	1.93E-06
0.01795	-0.03326	0.47339	-0.21013	4.65E-06	-0.18581	5.35E-05	-0.15328	0.00089
0.00063	-0.03873	0.4037	-0.04645	0.31649	-0.26124	1.00E-08	-0.18722	4.68E-05
0.01004	-0.16723	0.00028	-0.12293	0.00783	-0.32193	1.01E-12	-0.3195	1.52E-12
3.47E-11	-0.14648	0.0015	-0.06683	0.1493	-0.16634	0.00031	-0.21447	2.91E-06
6.20E-06	-0.21676	2.27E-06	-0.06108	0.18761	-0.2424	1.14E-07	-0.32973	2.64E-13
0.00431	0.063493	0.17075	0.080544	0.08208	-0.00165	0.97168	0.107159	0.02055
0.58927	-0.11161	0.01583	-0.13839	0.00273	-0.21414	3.02E-06	-0.25219	3.30E-08

5.41E-08	-0.09445	0.04133	-0.05669	0.22138	-0.13409	0.0037	-0.14866	0.00127
0.42328	-0.07685	0.09717	-0.1389	0.00263	-0.12094	0.00889	-0.07598	0.10102
3.26E-05	-0.18262	7.21E-05	-0.18256	7.25E-05	-0.29846	4.61E-11	-0.30407	1.91E-11
1.03E-05	0.057922	0.21152	0.013571	0.7699	0.001044	0.98205	0.108243	0.0193
0.00022	-0.11086	0.01655	-0.09683	0.03645	-0.16553	0.00033	-0.21016	4.63E-06
8.09E-07	-0.01542	0.7396	-0.05306	0.25251	-0.11284	0.0147	-0.06256	0.17715
4.97E-05	0.031357	0.49905	0.128344	0.00548	-0.02296	0.62066	0.033228	0.47379
3.42E-05	-0.07644	0.09898	0.059669	0.19804	-0.22957	5.31E-07	-0.1551	0.00077
0.67174	-0.04028	0.38517	-0.10795	0.01963	-0.20372	9.12E-06	-0.15034	0.00112
0.00364	0.093982	0.04235	0.168344	0.00026	0.099303	0.03191	0.148816	0.00126
0.0025	-0.11546	0.01254	-0.19594	2.00E-05	-0.28888	1.99E-10	-0.26306	7.86E-09
8.91E-07	-0.05223	0.25999	-0.12742	0.00583	-0.08143	0.07876	-0.09879	0.03281
0.91407	-0.07182	0.12116	-0.16289	0.00041	-0.31325	4.32E-12	-0.20275	1.01E-05
3.55E-17	-0.02622	0.57195	-0.097	0.03612	-0.14146	0.00218	-0.14168	0.00215
0.05412	-0.12258	0.00801	-0.24785	5.75E-08	-0.27183	2.35E-09	-0.27274	2.07E-09
9.31E-05	0.009029	0.8457	-0.07224	0.11902	-0.21734	2.13E-06	-0.09099	0.04941
3.61E-12	-0.13281	0.00404	-0.18256	7.25E-05	-0.20897	5.26E-06	-0.24656	6.76E-08
0.03228	-0.03939	0.39567	-0.02376	0.60857	-0.17521	0.00014	-0.10692	0.02083
0.00388	-0.00113	0.98049	-0.10563	0.02244	-0.15852	0.00059	-0.04788	0.30187
6.58E-07	-0.01664	0.7198	0.033213	0.47398	-0.13381	0.00377	-0.06593	0.1549
2.05E-08	0.080512	0.0822	-0.07282	0.11607	-0.16427	0.00036	-0.02002	0.66609
2.06E-09	-0.19619	1.96E-05	-0.1248	0.00693	-0.32973	2.64E-13	-0.37282	7.59E-17
0.46646	-0.00617	0.89415	0.008846	0.8488	-0.15066	0.00109	-0.09597	0.03817
9.08E-13	0.039742	0.39152	-0.01497	0.747	-0.06117	0.18697	0.049283	0.28787
0.16155	-0.10837	0.01915	-0.14755	0.00139	-0.27631	1.25E-09	-0.18764	4.50E-05
0.0003	0.114356	0.01341	-0.08252	0.07484	-0.12199	0.00831	-0.0432	0.35162
0.00253	0.011783	0.79952	-0.07015	0.13007	-0.21863	1.84E-06	-0.10868	0.01881
0.21905	-0.13529	0.0034	-0.02126	0.64674	-0.17176	0.00019	-0.23676	2.26E-07
0.0196	-0.05985	0.19667	-0.04737	0.30706	-0.26598	5.29E-09	-0.12751	0.00579
7.16E-10	0.068737	0.13802	-0.16986	0.00023	-0.15673	0.00068	-0.04013	0.38685
9.46E-09	-0.16843	0.00026	-0.23796	1.96E-07	-0.33115	2.05E-13	-0.36224	6.31E-16
1.30E-10	-0.02162	0.64121	0.283098	4.69E-10	0.16757	0.00028	0.174594	0.00015
0.00678	-0.1113	0.01612	-0.16397	0.00037	-0.29399	9.17E-11	-0.20383	9.01E-06
3.18E-19	-0.15535	0.00076	-0.25092	3.88E-08	-0.33659	7.81E-14	-0.37265	7.85E-17
0.0164	0.116921	0.01145	0.039676	0.3923	0.038988	0.40058	0.132608	0.0041
0.03029	-0.10952	0.01791	-0.0294	0.52623	-0.14499	0.00168	-0.18744	4.58E-05
0.29701	0.015592	0.73683	-0.11313	0.01445	-0.22859	5.95E-07	-0.09297	0.04463
5.26E-16	-0.0777	0.0935	-0.25755	1.64E-08	-0.31489	3.29E-12	-0.30796	1.02E-11
1.12E-05	-0.10579	0.02223	-0.11906	0.01002	-0.22122	1.38E-06	-0.18974	3.68E-05
4.57E-05	-0.01069	0.81786	-0.08787	0.05775	-0.13503	0.00346	-0.04502	0.33168
9.99E-05	0.032198	0.4876	-0.03058	0.50976	-0.10158	0.02816	-0.02627	0.57125
4.34E-11	-0.13272	0.00406	-0.16606	0.00031	-0.19251	2.81E-05	-0.19144	3.12E-05
2.77E-15	-0.00111	0.98084	-0.32088	1.21E-12	-0.23629	2.39E-07	-0.16584	0.00032
6.11E-10	-0.07369	0.11177	-0.08993	0.05212	-0.11638	0.01184	-0.14523	0.00165
0.00106	-0.00358	0.93844	0.072547	0.11744	0.182753	7.12E-05	0.067215	0.14698

0.18632	0.023668	0.60993	0.119879	0.00951	0.194323	2.35E-05	0.140252	0.00238
0.68889	0.002025	0.96518	0.116515	0.01174	0.246533	6.78E-08	0.141997	0.0021
0.00311	-0.08274	0.07406	-0.03064	0.50893	0.089998	0.05194	-0.07396	0.11044
0.24538	-0.03547	0.44445	0.038859	0.40213	0.166964	0.00029	0.042833	0.35571
0.23901	0.018314	0.69303	0.132537	0.00412	0.248658	5.18E-08	0.152892	0.00092
0.07656	-0.01057	0.81981	0.060364	0.19286	0.177215	0.00012	0.08154	0.07836
0.00132	0.009723	0.83401	0.0243	0.60042	0.163618	0.00038	0.077962	0.09241
0.00199	0.021611	0.64135	-0.00264	0.95456	0.190218	3.51E-05	0.115079	0.01283
0.01901	-0.01084	0.81527	0.096926	0.03627	0.191977	2.96E-05	0.081931	0.07693
0.66407	-0.00942	0.83917	0.152235	0.00097	0.174863	0.00015	0.082204	0.07595
0.30456	0.056043	0.22674	0.161437	0.00046	0.288346	2.15E-10	0.225697	8.31E-07
0.04388	0.086166	0.06281	0.102888	0.02619	0.31283	4.63E-12	0.271688	2.40E-09
4.91E-05	0.039805	0.39077	-0.12929	0.00514	-0.14903	0.00124	-0.0361	0.43642
0.00205	-0.09567	0.03877	-0.15292	0.00092	-0.1957	2.05E-05	-0.17884	0.0001
0.00566	-0.0511	0.27043	-0.14798	0.00134	-0.1163	0.0119	-0.20161	1.13E-05
3.31E-07	-0.0272	0.55766	-0.0473	0.30773	-0.25213	3.32E-08	-0.0883	0.05655
8.82E-16	-0.10412	0.02444	-0.25696	1.77E-08	-0.3048	1.70E-11	-0.23653	2.32E-07
2.94E-12	-0.01924	0.67831	0.03295	0.4775	-0.07421	0.10922	-0.04883	0.29228
4.68E-14	-0.15868	0.00058	-0.19932	1.43E-05	-0.30441	1.81E-11	-0.29163	1.31E-10
0.95555	-0.0904	0.05089	-0.10216	0.02728	-0.29918	4.12E-11	-0.19663	1.87E-05
0.00102	-0.0151	0.74477	-0.07463	0.10726	-0.2664	4.99E-09	-0.20173	1.12E-05
2.04E-11	-0.14176	0.00213	-0.13173	0.00435	-0.24802	5.62E-08	-0.29602	6.72E-11
0.03628	-0.12791	0.00564	-0.23584	2.52E-07	-0.31723	2.23E-12	-0.27562	1.38E-09
0.91014	-0.02651	0.56768	-0.12773	0.00571	-0.22285	1.15E-06	-0.19195	2.97E-05
1.09E-12	-0.00631	0.8918	0.083639	0.07095	0.006709	0.88503	0.015618	0.7364
0.01791	-0.02923	0.52856	-0.20165	1.13E-05	-0.31556	2.95E-12	-0.2039	8.94E-06
0.44684	-0.04078	0.37921	-0.13567	0.00331	-0.30161	2.81E-11	-0.20021	1.31E-05
1.14E-06	-0.16624	0.00031	-0.10788	0.0197	-0.25474	2.37E-08	-0.30024	3.49E-11
0.04665	-0.13539	0.00337	0.012873	0.78142	-0.23144	4.26E-07	-0.20361	9.21E-06
0.00581	-0.04278	0.35634	0.07766	0.09368	-0.14469	0.00172	-0.10491	0.02337
3.51E-13	-0.11482	0.01303	-0.131	0.00458	-0.24303	1.05E-07	-0.23948	1.62E-07
0.0018	-0.0281	0.54462	-0.02149	0.64314	-0.14877	0.00126	-0.11167	0.01576
0.0452	-0.03068	0.50836	0.064899	0.16146	-0.13214	0.00423	-0.09108	0.04917
0.31031	-0.12311	0.00773	-0.1121	0.01537	-0.32524	5.74E-13	-0.29842	4.64E-11
0.00329	0.040954	0.37723	-0.04004	0.38803	-0.16466	0.00035	-0.15746	0.00064
4.20E-20	-0.15392	0.00085	-0.19295	2.69E-05	-0.26754	4.27E-09	-0.31362	4.07E-12
2.90E-11	-0.15848	0.00059	-0.02403	0.60446	-0.23208	3.95E-07	-0.28584	3.13E-10
0.00023	-0.06766	0.14429	-0.05542	0.23196	-0.18408	6.29E-05	-0.19018	3.53E-05
5.50E-10	-0.16151	0.00046	-0.0841	0.0694	-0.19515	2.17E-05	-0.23208	3.95E-07
0.12045	-0.1251	0.00679	-0.12392	0.00734	-0.30605	1.39E-11	-0.20663	6.73E-06
0.00123	-0.00365	0.93734	-0.03379	0.46638	-0.24363	9.75E-08	-0.15051	0.0011
0.96906	-0.06409	0.16678	-0.13594	0.00325	-0.3038	1.99E-11	-0.21583	2.51E-06
3.25E-06	0.019611	0.67251	0.032528	0.48316	-0.15892	0.00057	-0.04489	0.33306
0.00294	-0.07825	0.09122	-0.03504	0.44996	-0.17612	0.00013	-0.12289	0.00784
2.04E-10	-0.14617	0.00154	-0.23842	1.85E-07	-0.29949	3.92E-11	-0.35864	1.27E-15



6.36E-05	-0.11545	0.01254	-0.13901	0.00261	-0.18807	4.32E-05	-0.16169	0.00045
2.38E-19	-0.25103	3.83E-08	-0.179	0.0001	-0.34783	9.99E-15	-0.44999	1.16E-24
0.9949	-0.12359	0.0075	0.035076	0.44952	-0.1856	5.45E-05	-0.15417	0.00083
3.58E-05	-0.11062	0.01678	-0.05844	0.20747	-0.21839	1.89E-06	-0.19916	1.45E-05
0.0036	-0.17089	0.00021	-0.0078	0.86656	-0.11837	0.01046	-0.20516	7.85E-06
6.36E-05	-0.0579	0.21168	-0.12979	0.00497	-0.13918	0.00257	-0.14422	0.00178
1.48E-12	-0.13742	0.00292	-0.13791	0.00282	-0.21339	3.28E-06	-0.24361	9.77E-08
0.00027	-0.14845	0.00129	-0.12804	0.00559	-0.35672	1.85E-15	-0.30704	1.19E-11
0.04633	-0.05481	0.23717	0.126756	0.00609	-0.16619	0.00031	-0.06352	0.17059
0.91354	-0.0057	0.9023	-0.0223	0.63074	-0.15583	0.00073	-0.08056	0.08203
1.30E-06	0.016382	0.72402	0.011707	0.80079	-0.15124	0.00104	-0.01841	0.69148
0.14864	-0.09665	0.03681	-0.04334	0.35002	-0.21678	2.26E-06	-0.13927	0.00256
0.00423	-0.19062	3.38E-05	-0.12559	0.00658	-0.37678	3.36E-17	-0.42777	3.36E-22
0.38038	0.053631	0.24739	0.021638	0.64093	-0.08025	0.08319	0.030109	0.5163
1.65E-05	-0.20575	7.38E-06	-0.26837	3.81E-09	-0.39291	1.09E-18	-0.43719	3.20E-23
7.25E-07	-0.06538	0.15837	0.019234	0.67845	-0.1112	0.01621	-0.11293	0.01461
0.00193	-0.06462	0.16325	-0.00297	0.949	-0.17153	0.0002	-0.12419	0.00721
0.12486	-0.02114	0.64867	-0.04952	0.28552	-0.13609	0.00321	-0.10817	0.01937
6.13E-16	-0.03155	0.49646	0.002534	0.95645	-0.05893	0.20363	-0.03045	0.51159
6.46E-05	-0.08812	0.05706	-0.18858	4.11E-05	-0.23038	4.83E-07	-0.26995	3.06E-09
7.19E-07	-0.17635	0.00013	-0.3229	8.58E-13	-0.29932	4.03E-11	-0.32503	5.95E-13
1.10E-05	-0.01496	0.74704	-0.12438	0.00712	-0.1747	0.00015	-0.08288	0.07355
0.01394	0.040841	0.37854	-0.07125	0.12418	-0.15192	0.00099	0.02142	0.64429
6.82E-10	0.042356	0.3611	-0.08318	0.07252	-0.15393	0.00085	-0.03719	0.42262
2.08E-06	0.002244	0.96142	-0.15562	0.00074	-0.18113	8.27E-05	-0.07692	0.09684
1.02E-06	-0.00177	0.96965	-0.20973	4.85E-06	-0.16575	0.00032	-0.12476	0.00695
1.42E-06	-0.18762	4.51E-05	-0.16948	0.00023	-0.31168	5.59E-12	-0.34237	2.74E-14
0.00075	-2.86E-05	0.99951	0.112275	0.0152	0.075956	0.10113	0.1371	0.00299
8.65E-11	-0.20124	1.18E-05	0.011412	0.80572	-0.23913	1.70E-07	-0.28399	4.11E-10
3.55E-11	-0.22898	5.69E-07	-0.07208	0.11985	-0.23069	4.65E-07	-0.34448	1.86E-14
2.31E-05	-0.04823	0.29829	0.073131	0.11451	-0.04489	0.3331	-0.00185	0.96814
0.22181	0.070353	0.12898	0.106079	0.02186	-0.04446	0.33777	0.064039	0.16709
1.52E-16	-0.12607	0.00637	0.07158	0.12242	-0.20026	1.30E-05	-0.1995	1.40E-05
1.95E-09	-0.16259	0.00042	-0.21712	2.18E-06	-0.34899	8.03E-15	-0.36921	1.58E-16
0.01331	-0.14044	0.00235	-0.19953	1.40E-05	-0.18663	4.95E-05	-0.23014	4.97E-07
0.43017	-0.03614	0.43592	-0.06731	0.14644	-0.23287	3.60E-07	-0.11795	0.01074
0.98168	0.032936	0.47768	-0.0449	0.33292	-0.0721	0.11975	0.014804	0.74967
0.00014	0.059824	0.19688	0.013097	0.77773	0.067424	0.14573	0.113338	0.01426
8.16E-05	0.006216	0.89343	-0.04209	0.36408	-0.12486	0.0069	-0.08191	0.077
1.17E-06	-0.11966	0.00965	-0.07001	0.13088	-0.29646	6.28E-11	-0.27921	8.24E-10
1.30E-07	-0.02506	0.58908	-0.01866	0.68753	-0.23108	4.45E-07	-0.09668	0.03675
0.01736	-0.02879	0.53482	-0.1514	0.00103	-0.21902	1.77E-06	-0.09998	0.03076
0.0021	0.012033	0.79537	-0.04433	0.33908	-0.09487	0.04044	-0.0248	0.59288
3.79E-20	-0.14378	0.00184	-0.31892	1.68E-12	-0.39513	6.69E-19	-0.40075	1.92E-19
1.14E-06	-0.08393	0.06999	0.159541	0.00054	-0.03154	0.49649	-0.10815	0.0194

4.56E-06	-0.05971	0.19775	-0.11213	0.01534	-0.19886	1.50E-05	-0.20191	1.10E-05
1.22E-12	0.066124	0.15367	0.12961	0.00503	0.084452	0.06824	0.113828	0.01385
8.32E-10	-0.01835	0.69254	-0.04538	0.32785	-0.14276	0.00198	-0.07832	0.09094
4.23E-08	-0.06827	0.14072	-0.26462	6.36E-09	-0.2477	5.85E-08	-0.18889	3.99E-05
0.11384	-0.02217	0.63272	-0.1688	0.00025	-0.18883	4.01E-05	-0.0972	0.03575
1.10E-06	0.0062	0.89371	-0.1419	0.00211	-0.12552	0.00661	-0.09119	0.04891
0.00082	-0.01075	0.81685	0.032136	0.48845	0.004323	0.92577	-0.00387	0.93361
0.00285	-0.06196	0.18135	0.058429	0.20754	-0.17528	0.00014	-0.12555	0.00659
0.52518	-0.06071	0.19029	-0.08604	0.06319	-0.08801	0.05736	-0.09221	0.04643
1.11E-16	-0.07078	0.12665	-0.03832	0.4087	-0.09688	0.03635	-0.04889	0.29177
0.34516	-0.04968	0.28401	-0.30734	1.13E-11	-0.29203	1.24E-10	-0.21065	4.40E-06
5.68E-13	-0.12703	0.00598	-0.13417	0.00367	-0.27985	7.52E-10	-0.28931	1.87E-10
1.24E-11	-0.16944	0.00023	-0.0252	0.58699	-0.18137	8.09E-05	-0.27361	1.83E-09
5.31E-05	-0.02043	0.65967	-0.15904	0.00056	-0.25801	1.54E-08	-0.14613	0.00154
0.086	-0.05659	0.22225	-0.0652	0.1595	-0.14414	0.00179	-0.12155	0.00856
9.34E-10	-0.04919	0.28878	-0.0588	0.20467	-0.15774	0.00062	-0.12623	0.00631
0.01342	0.006587	0.88711	-0.00582	0.90021	-0.13699	0.00301	-0.06104	0.1879
1.39E-09	-0.06488	0.1616	-0.0501	0.27992	-0.17673	0.00012	-0.16067	0.00049
9.02E-07	0.020966	0.65133	-0.08704	0.06019	-0.023	0.62006	0.063484	0.17081
1.27E-10	-0.03499	0.45059	-0.14482	0.0017	-0.15682	0.00067	-0.12293	0.00782
0.06624	-0.06049	0.19193	-0.09394	0.04246	-0.03391	0.4647	-0.1256	0.00657
0.00389	0.031101	0.50256	-0.23789	1.97E-07	-0.14581	0.00158	-0.16468	0.00035
0.08356	0.101512	0.02827	0.025999	0.57519	0.233688	3.27E-07	0.192507	2.81E-05
0.07793	0.013667	0.76833	-0.08608	0.06306	0.026219	0.57195	0.011053	0.8117
0.02254	-0.02965	0.52271	-0.06336	0.17167	-0.0285	0.53903	-0.00343	0.94108
3.48E-07	0.080368	0.08275	0.036565	0.43051	0.096745	0.03662	0.14034	0.00237
3.68E-19	0.052263	0.25967	0.07861	0.08972	0.109803	0.01761	0.108211	0.01933
0.00184	-0.07378	0.11132	-0.07888	0.08864	-0.05579	0.22887	-0.09331	0.04385
1.88E-11	0.076513	0.09865	0.05602	0.22693	-0.02544	0.58337	0.116948	0.01143
0.09091	-0.03873	0.40371	0.122068	0.00827	0.112204	0.01527	0.018263	0.69385
0.02427	0.08286	0.07363	-0.00371	0.93619	0.036562	0.43054	0.078846	0.08876
0.43974	-0.05661	0.2221	-0.10143	0.0284	-0.09948	0.0316	-0.1219	0.00836
0.03264	0.175646	0.00014	0.006176	0.8941	0.201258	1.17E-05	0.296065	6.68E-11
0.09137	0.005172	0.91125	-0.13105	0.00456	-0.0287	0.53616	-0.02034	0.66104
0.16875	-0.21563	2.57E-06	-0.32383	7.32E-13	-0.15847	0.00059	-0.35156	4.95E-15
0.15933	0.100486	0.02992	0.208037	5.81E-06	0.395119	6.71E-19	0.370465	1.22E-16
0.00211	-0.15662	0.00068	-0.17627	0.00013	-0.06768	0.14418	-0.19418	2.39E-05
0.13567	-0.02203	0.63495	-0.10705	0.02068	-0.04083	0.37872	-0.038	0.41259
0.00206	-0.0085	0.85472	-0.11097	0.01644	-0.01702	0.71366	-0.00183	0.9686
0.01008	-0.11355	0.01408	-0.20761	6.07E-06	-0.13197	0.00428	-0.2233	1.09E-06
0.2971	-0.01632	0.72496	-0.06445	0.16437	0.02261	0.62601	0.004943	0.91517
0.61521	0.026125	0.57333	-0.11065	0.01675	-0.01493	0.74757	0.025762	0.57867
0.04767	0.063966	0.16758	-0.03447	0.45745	0.109176	0.01827	0.12391	0.00734
0.71382	0.011873	0.79803	-0.03841	0.4076	0.079954	0.08436	0.050769	0.27356
0.00069	0.086596	0.06151	0.02951	0.52468	0.131775	0.00434	0.206406	6.89E-06

0.00169	0.021453	0.64379	-0.10196	0.02758	-0.0723	0.1187	-0.05849	0.20704
0.00029	-0.2021	1.08E-05	-0.25151	3.60E-08	-0.18191	7.70E-05	-0.35033	6.25E-15
0.00458	-0.07118	0.12455	-0.13092	0.0046	-0.09057	0.05046	-0.10968	0.01774
2.68E-08	-0.25304	2.96E-08	-0.252	3.38E-08	-0.21843	1.89E-06	-0.40317	1.11E-19
0.66578	-0.09078	0.04992	-0.13799	0.00281	-0.11491	0.01296	-0.18883	4.01E-05
0.20953	-0.111	0.0164	-0.06035	0.19293	-0.0223	0.63079	-0.09849	0.03334
1.92E-05	-0.04594	0.32183	-0.10933	0.0181	-0.06743	0.14572	-0.09618	0.03774
0.36611	-0.02813	0.54425	-0.19198	2.96E-05	-0.08104	0.08022	-0.10832	0.01921
0.0046	0.01963	0.67221	0.014654	0.75212	-0.00419	0.92811	0.01437	0.75676
0.87189	-0.09611	0.03787	-0.20028	1.30E-05	-0.09984	0.03099	-0.17372	0.00016
0.24573	-0.06354	0.17043	-0.15181	0.001	-0.07063	0.12746	-0.15102	0.00106
0.78575	-0.12743	0.00582	-0.11086	0.01654	0.016895	0.71575	-0.13603	0.00323
0.86978	-0.11399	0.01371	-0.07228	0.11879	-0.11181	0.01563	-0.1849	5.83E-05
0.11789	-0.12005	0.00941	-0.20646	6.86E-06	-0.12582	0.00648	-0.24411	9.19E-08
0.62704	0.180759	8.56E-05	-0.09602	0.03807	0.166699	0.0003	0.18005	9.13E-05
0.82944	-0.12023	0.0093	-0.2325	3.76E-07	-0.09911	0.03224	-0.24112	1.33E-07
8.61E-09	-0.07968	0.08542	-0.12112	0.00879	-0.07783	0.09295	-0.1359	0.00325
0.03503	-0.09309	0.04436	-0.04057	0.38175	0.021452	0.64379	-0.06258	0.17703
0.00042	-0.00419	0.92812	-0.06235	0.17858	0.008026	0.86267	0.027993	0.54622
1.85E-08	-0.0447	0.3351	-0.07234	0.11848	-0.04778	0.30284	-0.10604	0.02191
0.04864	0.011023	0.8122	-0.06847	0.13958	-0.0017	0.97079	0.020726	0.65506
0.41646	-0.00916	0.84349	-0.21592	2.49E-06	0.079243	0.08716	0.015276	0.74197
0.69362	-0.03922	0.39782	-0.26747	4.31E-09	-0.09373	0.04291	-0.15123	0.00104
1.85E-06	0.076436	0.09899	0.049093	0.28974	0.129027	0.00523	0.148162	0.00132
1.53E-06	0.063964	0.16759	0.049062	0.29004	0.250717	3.99E-08	0.187574	4.52E-05
0.00111	0.017301	0.70922	-0.14677	0.00147	-0.04929	0.28781	-0.03194	0.49106
0.00127	0.086485	0.06184	0.033338	0.47232	0.224597	9.42E-07	0.220498	1.50E-06
0.00586	0.05947	0.19954	-0.11146	0.01596	0.08989	0.05223	0.054765	0.23753
0.01338	0.061062	0.18776	-0.07868	0.08943	0.133268	0.00391	0.077165	0.0958
0.00145	-0.07686	0.09711	-0.01789	0.69985	-0.09629	0.03751	-0.12556	0.00659
0.00051	0.045271	0.32897	0.046684	0.31408	0.015917	0.73154	-0.00612	0.895
0.24853	-0.1617	0.00045	-0.17018	0.00022	-0.15799	0.00061	-0.26488	6.14E-09
0.7143	-0.10593	0.02205	-0.05909	0.20243	0.084549	0.06793	0.017418	0.70735
0.87809	-0.14257	0.00201	-0.18097	8.39E-05	-0.01674	0.71824	-0.15357	0.00087
2.11E-08	0.00419	0.92804	-0.00578	0.90091	0.133295	0.00391	0.049366	0.28706
1.76E-10	-0.09136	0.04847	-0.03355	0.46949	0.046469	0.31632	0.007441	0.87259
0.79516	0.033829	0.46582	0.101179	0.0288	0.21588	2.50E-06	0.17174	0.00019
0.01793	-0.00119	0.97948	-0.0528	0.25483	0.098879	0.03265	0.013828	0.76568
0.01076	-0.14105	0.00225	-0.17046	0.00021	-0.2606	1.09E-08	-0.2926	1.13E-10
4.04E-06	0.100562	0.02979	0.07119	0.12447	0.157378	0.00064	0.164584	0.00035
0.00023	0.051201	0.2695	0.067345	0.1462	0.213499	3.24E-06	0.159309	0.00055
2.12E-08	0.099099	0.03227	0.131073	0.00455	0.043838	0.34452	0.224012	1.01E-06
0.21488	-0.20745	6.18E-06	-0.13071	0.00467	-0.10446	0.02398	-0.35057	5.97E-15
4.55E-10	-0.1024	0.02691	-0.05653	0.22272	-0.15397	0.00084	-0.15413	0.00083
1.68E-10	0.005675	0.90265	0.011049	0.81177	-0.09099	0.04939	0.036915	0.4261

5.04E-20	0.113026	0.01453	0.221662	1.31E-06	0.180497	8.77E-05	0.316617	2.47E-12
2.84E-12	-0.04663	0.31465	-0.23531	2.69E-07	-0.10193	0.02763	-0.22572	8.29E-07
0.00353	-0.18958	3.74E-05	0.032225	0.48724	-0.17227	0.00018	-0.26471	6.28E-09
1.70E-05	0.00117	0.97988	0.127899	0.00564	0.047146	0.30931	0.082291	0.07564
0.00336	0.137262	0.00295	-0.00971	0.83425	0.020315	0.66148	0.184199	6.22E-05
0.19999	0.153866	0.00085	-0.02026	0.66232	0.125115	0.00679	0.201009	1.20E-05
0.00255	-0.03327	0.47316	0.018129	0.69598	-0.04113	0.37513	-0.05654	0.22263
0.62232	-0.17608	0.00013	-0.11086	0.01654	-0.26832	3.83E-09	-0.27144	2.48E-09
0.00538	-0.06784	0.14325	0.04134	0.37274	-0.09017	0.05148	-0.07113	0.1248
1.60E-06	-0.06182	0.1823	0.08819	0.05686	-0.07811	0.09181	-0.00338	0.94189
1.23E-05	-0.09829	0.03371	0.133476	0.00386	-0.08742	0.05905	-0.05834	0.20821
0.03493	0.016371	0.7242	-0.13521	0.00342	-0.12082	0.00896	-0.0359	0.43888
4.11E-11	-0.03859	0.40542	0.192519	2.81E-05	0.032304	0.48618	0.052464	0.25785
0.08789	0.029012	0.5317	0.258246	1.50E-08	0.162779	0.00041	0.190149	3.54E-05
0.14475	0.113608	0.01403	0.032558	0.48276	-0.04468	0.33535	0.098549	0.03324
0.79106	-0.20142	1.15E-05	-0.1966	1.88E-05	-0.31257	4.83E-12	-0.32622	4.85E-13
0.015	0.126314	0.00627	0.141122	0.00224	0.090948	0.04951	0.246296	6.99E-08
0.00013	-0.14533	0.00164	-0.14058	0.00233	-0.24826	5.45E-08	-0.30056	3.32E-11
2.31E-19	0.213841	3.12E-06	0.159887	0.00052	0.173996	0.00016	0.392334	1.24E-18
0.11207	0.006694	0.88528	-0.16392	0.00038	-0.24118	1.32E-07	-0.09567	0.03876
5.10E-13	0.009398	0.83948	-0.13046	0.00475	-0.0084	0.85638	0.025525	0.58218
0.00014	0.024032	0.60444	0.088104	0.0571	-0.06615	0.1535	0.057279	0.21664
5.70E-12	-0.02385	0.60714	-0.00542	0.90703	-0.0955	0.03912	0.039276	0.3971
4.64E-08	-0.03313	0.47515	0.079269	0.08706	0.023025	0.61967	0.037065	0.42423
1.79E-08	0.108145	0.01941	0.220152	1.56E-06	0.100799	0.02941	0.236082	2.45E-07
0.08493	-0.08866	0.05553	-0.13284	0.00403	-0.19074	3.34E-05	-0.14253	0.00202
3.02E-06	0.016103	0.72853	0.056297	0.22464	-0.12439	0.00712	0.037291	0.4214
0.04339	0.039374	0.39592	0.11112	0.01629	-0.07743	0.09467	0.064385	0.16481
4.49E-05	0.188753	4.04E-05	0.239269	1.67E-07	0.284221	3.97E-10	0.401174	1.74E-19
0.3856	0.051435	0.26731	-0.31873	1.74E-12	-0.15129	0.00104	-0.01151	0.80403
0.00013	-0.11797	0.01073	-0.30553	1.51E-11	-0.31115	6.10E-12	-0.28924	1.89E-10
0.01638	0.042248	0.36232	-0.03993	0.38928	-0.07018	0.12992	0.072076	0.11984
2.52E-08	-0.01803	0.69749	-0.07537	0.10379	-0.18185	7.74E-05	-0.10358	0.02519
7.04E-11	-0.02059	0.65719	-0.119	0.01006	-0.29143	1.36E-10	-0.25687	1.79E-08
0.27976	0.070668	0.12727	-0.12237	0.00811	-0.04349	0.34834	0.061221	0.1866
3.26E-07	-0.04691	0.31178	-0.12733	0.00586	-0.31257	4.83E-12	-0.24688	6.49E-08
0.01732	-0.13994	0.00244	-0.16165	0.00045	-0.17437	0.00015	-0.33549	9.51E-14
1.84E-13	0.025875	0.577	-0.03068	0.50844	-0.15888	0.00057	-0.02921	0.5289
0.99884	0.045829	0.32303	0.113255	0.01433	0.107642	0.01998	0.123845	0.00737
2.59E-10	0.020628	0.65658	0.106115	0.02182	-0.00902	0.84594	0.088674	0.05551
0.00017	-0.10168	0.02801	0.075611	0.1027	0.075702	0.10228	0.093026	0.04451
0.00066	-0.17659	0.00012	-0.02472	0.59416	-0.26974	3.15E-09	-0.32025	1.34E-12
0.01516	-0.07615	0.10027	0.105085	0.02314	-0.03236	0.48541	0.020392	0.66028
9.88E-05	0.020118	0.66456	0.09029	0.05118	-0.03101	0.50385	0.075596	0.10277
7.74E-17	-0.00416	0.92858	0.082158	0.07611	-0.02978	0.5209	0.080198	0.08341

0.00026	0.009502	0.83774	0.033878	0.46517	-0.03829	0.40912	0.085097	0.06615
0.918	-0.04074	0.37972	-0.0677	0.14407	-0.07002	0.13081	0.018586	0.68872
0.02159	0.038114	0.41123	0.214615	2.87E-06	0.037612	0.41742	0.110567	0.01683
0.08087	-0.04904	0.29023	0.115134	0.01279	-0.02629	0.57095	-0.03856	0.40572
0.17337	-0.10628	0.02161	-0.08066	0.08162	-0.13353	0.00384	-0.10691	0.02084
0.00062	0.196732	1.85E-05	0.084409	0.06839	0.011799	0.79926	0.184297	6.17E-05
7.59E-23	0.101543	0.02822	0.17824	0.00011	0.074265	0.10898	0.228883	5.75E-07
9.11E-20	0.031054	0.5032	0.197972	1.64E-05	-0.04995	0.28142	0.070335	0.12908
0.01307	-0.04783	0.30235	-0.10841	0.0191	-0.16539	0.00033	-0.10032	0.03019
2.22E-06	0.074158	0.10949	0.133586	0.00383	0.011526	0.80381	0.156122	0.00071
0.34544	-0.00168	0.97119	0.107565	0.02007	0.014923	0.74772	0.119314	0.00986
0.00784	0.092779	0.04508	0.027644	0.55124	-0.0789	0.08855	0.070028	0.13076
3.21E-06	0.012798	0.78268	-0.05016	0.27937	-0.10687	0.0209	-0.06023	0.19384
0.06782	0.007315	0.87472	0.009304	0.84107	-0.14995	0.00115	-0.03042	0.51198
0.01593	0.136295	0.00316	0.115892	0.0122	0.065469	0.1578	0.259771	1.22E-08
7.29E-08	0.037013	0.42488	0.121348	0.00866	-0.01383	0.76572	0.064551	0.16372
0.09531	-0.10346	0.02536	-0.12013	0.00936	-0.29357	9.78E-11	-0.19194	2.97E-05
2.82E-06	0.058073	0.21033	0.125584	0.00658	0.036459	0.43185	0.169541	0.00023
3.29E-06	0.147991	0.00134	0.035043	0.44996	0.069193	0.13542	0.238028	1.94E-07
0.32489	-0.07598	0.10102	-0.07912	0.08764	-0.14584	0.00158	-0.16778	0.00027
6.12E-07	0.022439	0.62861	-0.02993	0.51873	-0.03913	0.39884	0.036566	0.43049
0.0007	0.07416	0.10948	0.256731	1.83E-08	0.087838	0.05786	0.164026	0.00037
0.00012	-0.10252	0.02673	-0.00331	0.94318	-0.16757	0.00028	-0.1506	0.0011
0.0971	-0.01566	0.73569	-0.01369	0.76787	0.019333	0.67689	0.066044	0.15417
2.61E-07	-0.07075	0.12682	-0.06687	0.14907	-0.13475	0.00353	-0.12695	0.00601
0.74934	-0.12946	0.00508	-0.03138	0.49869	-0.11124	0.01618	-0.11107	0.01633
0.00116	0.035715	0.44131	-0.0727	0.11665	-0.05804	0.21063	0.037062	0.42427
4.86E-18	-0.0706	0.12761	-0.0246	0.596	-0.25843	1.46E-08	-0.17479	0.00015
4.62E-08	0.103594	0.02518	0.115279	0.01267	0.023089	0.6187	0.187157	4.71E-05
0.001	0.052544	0.25712	-0.09592	0.03826	-0.03135	0.49912	0.029664	0.52252
1.78E-06	-0.06846	0.13964	0.195943	2.00E-05	0.140167	0.0024	0.145222	0.00165
2.92E-06	-0.18691	4.82E-05	-0.00916	0.84356	-0.14765	0.00138	-0.24731	6.15E-08
4.06E-07	0.166411	0.0003	0.163438	0.00039	0.148535	0.00129	0.321451	1.10E-12
0.44051	-0.00368	0.93677	-0.08496	0.06658	-0.16447	0.00036	-0.04762	0.30451
1.89E-09	0.098177	0.03392	-0.02438	0.59923	-0.11167	0.01576	0.063	0.1741
9.92E-07	-0.0731	0.11468	0.074137	0.10959	-0.03081	0.50662	-0.01022	0.82562
0.05003	-0.01162	0.80233	0.09113	0.04905	-0.02158	0.64185	0.039861	0.3901
3.89E-14	-0.03224	0.48703	-0.08639	0.06214	-0.1964	1.91E-05	-0.14084	0.00228
1.49E-06	-0.25478	2.36E-08	-0.00382	0.93445	-0.02203	0.63483	-0.26847	3.75E-09
4.92E-15	0.101756	0.02789	0.087122	0.05994	0.027111	0.55894	0.195992	1.99E-05
0.03506	-0.08571	0.06422	0.004794	0.9177	-0.10415	0.02439	-0.09646	0.03717
1.13E-12	0.073994	0.11028	0.199765	1.37E-05	0.091407	0.04836	0.216876	2.24E-06
1.96E-07	0.123217	0.00768	0.098231	0.03382	0.04497	0.3322	0.233813	3.22E-07
9.52E-05	0.016248	0.72618	0.083072	0.07289	0.085789	0.06397	0.196332	1.93E-05
0.59951	-0.06156	0.1842	-0.07973	0.08525	-0.22374	1.04E-06	-0.14974	0.00117

0.25361	0.111356	0.01606	0.014686	0.75159	-0.09589	0.03833	0.126494	0.0062
0.5194	-0.16278	0.00041	-0.06672	0.14998	-0.17187	0.00019	-0.25668	1.84E-08
0.01389	-0.16831	0.00026	-0.06586	0.15531	-0.23435	3.02E-07	-0.2451	8.12E-08
0.35031	-0.04477	0.33439	0.105604	0.02247	-0.01014	0.82699	0.027928	0.54715
8.90E-07	0.199935	1.34E-05	0.132993	0.00399	0.146943	0.00145	0.368294	1.89E-16
0.9304	0.085895	0.06364	0.161681	0.00045	0.036577	0.43036	0.143062	0.00194
5.75E-06	0.071285	0.12397	0.068408	0.13992	0.031939	0.49112	0.147489	0.00139
0.03344	-0.01699	0.71416	0.197877	1.65E-05	0.055693	0.22965	0.125003	0.00684
0.43141	-0.0495	0.28574	-0.04378	0.34514	-0.02425	0.60115	0.095996	0.03811
0.00508	0.042055	0.36452	-0.01087	0.81484	-0.10106	0.02899	0.042203	0.36283
6.52E-07	0.004633	0.92046	0.194445	2.32E-05	-0.05922	0.20143	0.072203	0.11919
0.0064	0.024367	0.59941	0.06615	0.15351	0.065419	0.15812	0.061448	0.18497
8.80E-06	0.076671	0.09795	0.018855	0.68444	-0.03426	0.46017	0.109071	0.01839
2.15E-06	0.099397	0.03175	0.091838	0.04731	0.013357	0.77344	0.215879	2.50E-06
0.00132	0.108072	0.01949	0.157871	0.00062	0.100949	0.02916	0.264783	6.22E-09
6.78E-14	0.011229	0.80877	0.004323	0.92576	-0.02602	0.57483	0.041357	0.37254
0.00613	-0.13007	0.00487	0.022146	0.63311	-0.18063	8.66E-05	-0.21101	4.23E-06
2.67E-09	0.09254	0.04564	-0.06145	0.18492	-0.11322	0.01437	0.049039	0.29027
1.84E-19	0.064069	0.16689	0.160324	0.00051	0.016528	0.72166	0.130638	0.00469
7.29E-08	-0.02017	0.66379	0.135562	0.00333	-0.04015	0.38672	0.034208	0.46083
0.83594	0.093626	0.04315	-0.05806	0.21042	-0.09819	0.0339	0.068325	0.14041
0.12449	0.204228	8.65E-06	0.175932	0.00013	0.211412	4.05E-06	0.326845	4.35E-13
6.94E-05	0.075295	0.10414	-0.04524	0.32935	-0.01838	0.69197	0.116066	0.01207
1.43E-14	-0.0602	0.19407	-0.09385	0.04264	-0.18035	8.88E-05	-0.11758	0.011
0.02071	-0.1457	0.00159	-0.03083	0.50634	-0.04535	0.32813	-0.10011	0.03054
0.45693	-0.13064	0.00469	-0.1294	0.0051	-0.28569	3.20E-10	-0.22575	8.26E-07
4.97E-05	0.05855	0.2066	-0.08115	0.07981	0.073992	0.11029	0.0991	0.03227
5.45E-17	0.194213	2.38E-05	0.142625	0.002	0.066682	0.15022	0.313988	3.82E-12
4.44E-16	0.043991	0.34284	0.08916	0.05418	-0.03814	0.41096	0.093725	0.04292
0.50046	0.155812	0.00073	-0.16859	0.00025	0.011618	0.80228	0.130114	0.00486
2.89E-11	0.069174	0.13553	0.060109	0.19475	-0.01259	0.78614	0.099809	0.03105
0.79275	0.131492	0.00442	0.112297	0.01518	0.181747	7.82E-05	0.26049	1.11E-08
0.01149	-0.04865	0.29411	-0.02714	0.55848	-0.14354	0.00187	-0.09983	0.03102
2.56E-06	-0.06209	0.18042	-0.05162	0.26558	-0.19625	1.94E-05	-0.09104	0.04928
5.27E-13	0.142701	0.00199	0.132823	0.00404	0.0173	0.70924	0.196103	1.97E-05
0.00128	-0.04082	0.37877	0.008508	0.8545	-0.10483	0.02347	-0.06515	0.15983
0.42633	-0.01627	0.72578	-0.01459	0.75321	-0.07005	0.13066	-0.05421	0.24233
3.90E-10	0.014616	0.75274	-0.02176	0.63909	-0.00781	0.86639	0.058501	0.20698
0.3388	0.145225	0.00165	0.156545	0.00069	0.16576	0.00032	0.301088	3.05E-11
1.08E-07	0.097664	0.03486	0.227619	6.66E-07	0.194848	2.23E-05	0.29731	5.51E-11
7.07E-22	-0.06594	0.15483	0.002214	0.96195	-0.11852	0.01037	-0.01671	0.71874
0.0035	0.045705	0.32435	0.371825	9.28E-17	0.179336	9.75E-05	0.272696	2.08E-09
0.00204	0.007278	0.87535	0.049734	0.28347	-0.0478	0.30265	0.050792	0.27335
0.10554	-0.03975	0.39148	0.258682	1.41E-08	0.183716	6.51E-05	0.17231	0.00018
7.16E-07	-0.16078	0.00049	-0.03117	0.50168	-0.16484	0.00035	-0.18535	5.58E-05

0.00022	0.041051	0.3761	0.099453	0.03165	0.15755	0.00063	0.205424	7.63E-06
0.0604	0.125841	0.00647	0.127772	0.00569	0.143203	0.00192	0.251901	3.42E-08
0.00276	-0.17118	0.0002	-0.04573	0.32409	-0.23878	1.77E-07	-0.31021	7.11E-12
3.85E-07	-0.13943	0.00253	-0.02593	0.57619	-0.11711	0.01132	-0.15728	0.00065
0.00446	0.094237	0.04179	0.14856	0.00128	0.221106	1.40E-06	0.292446	1.16E-10
4.03E-05	-0.06006	0.19509	0.103691	0.02504	-0.06793	0.14269	-0.06663	0.15052
2.46E-11	0.015585	0.73693	-0.05997	0.19581	-0.20046	1.27E-05	-0.03981	0.3907
2.31E-23	0.010153	0.82679	-0.11147	0.01595	-0.16632	0.00031	-0.07847	0.09031
0.20325	0.069417	0.13416	0.145799	0.00158	-0.03401	0.46338	0.147258	0.00142
0.28209	0.041288	0.37335	-0.02845	0.53964	-0.01031	0.82412	0.046941	0.31142
0.01463	0.164103	0.00037	0.067534	0.14507	0.170652	0.00021	0.305811	1.44E-11
1.01E-09	0.079063	0.08789	0.138646	0.00268	0.105808	0.02221	0.178057	0.00011
1.50E-07	0.052511	0.25742	-0.04184	0.36693	-0.11016	0.01724	0.036251	0.43448
0.13967	-0.03457	0.45612	-0.04945	0.28624	-0.09745	0.03527	-0.02956	0.52392
7.57E-16	-0.11392	0.01377	-0.11421	0.01353	-0.22087	1.44E-06	-0.18235	7.39E-05
0.471	0.127032	0.00598	0.076531	0.09857	0.035044	0.44994	0.186172	5.17E-05
3.80E-10	-0.12308	0.00775	0.136799	0.00305	-0.18762	4.50E-05	-0.1431	0.00193
0.00677	0.070796	0.12658	0.008547	0.85385	-0.02749	0.55344	0.142234	0.00206
3.71E-18	-0.02798	0.54635	0.086923	0.06053	-0.06896	0.13675	-0.00376	0.93545
0.01286	0.047835	0.30229	-0.104	0.02461	-0.18266	7.18E-05	-0.02296	0.62072
0.00023	-0.01554	0.73763	-0.04937	0.28705	-0.13185	0.00432	-0.0582	0.20934
1.08E-13	-0.03942	0.39534	0.016148	0.7278	-0.13704	0.003	-0.0668	0.14952
9.45E-09	0.007218	0.87637	-0.05926	0.20115	-0.05618	0.2256	0.001827	0.96859
4.03E-10	-0.15519	0.00077	-0.07358	0.11229	-0.14488	0.00169	-0.15051	0.0011
0.00355	0.149745	0.00117	0.037928	0.41351	0.117246	0.01122	0.271415	2.49E-09
4.20E-11	0.074892	0.10602	0.145989	0.00156	0.116868	0.01149	0.226985	7.16E-07
3.96E-06	0.053401	0.24943	0.154086	0.00084	0.301145	3.03E-11	0.238962	1.73E-07
0.00013	0.074967	0.10566	0.082084	0.07638	-0.06778	0.1436	0.119806	0.00956
0.00375	0.07929	0.08698	-0.05852	0.2068	-0.20271	1.01E-05	0.004825	0.91718
0.05333	-0.1591	0.00056	0.184304	6.16E-05	-0.01459	0.7532	-0.04571	0.32435
6.64E-08	-0.07715	0.09587	0.180613	8.67E-05	-0.13341	0.00387	-0.04319	0.35175
3.35E-10	0.04895	0.29114	-0.03983	0.39046	0.010921	0.81392	-0.04106	0.37595
0.48976	0.204594	8.32E-06	0.097944	0.03434	0.186803	4.87E-05	0.344939	1.71E-14
3.36E-06	0.102033	0.02747	0.086787	0.06093	0.04103	0.37634	0.19899	1.48E-05
0.04373	0.06844	0.13974	0.240401	1.45E-07	0.173892	0.00016	0.19817	1.60E-05
5.07E-06	0.071608	0.12228	0.036149	0.43578	-0.03748	0.419	0.09229	0.04623
6.10E-09	0.050667	0.27453	0.091061	0.04922	-0.00395	0.93217	0.163026	0.0004
0.00065	0.115919	0.01218	0.03173	0.49396	-0.04709	0.30989	0.154402	0.00081
2.32E-18	0.038913	0.40148	-0.02309	0.61869	-0.11324	0.01434	0.044424	0.3381
0.01312	-0.06016	0.19435	-0.06218	0.17982	-0.13787	0.00283	-0.12294	0.00782
7.67E-13	0.147787	0.00136	0.113972	0.01372	0.038954	0.40098	0.267577	4.25E-09
8.32E-07	0.192357	2.85E-05	0.043617	0.34696	0.085415	0.06515	0.283503	4.42E-10
1.57E-08	-0.03776	0.41558	-0.17676	0.00012	-0.19852	1.55E-05	-0.09523	0.03967
1.08E-09	-0.03931	0.3967	-0.02479	0.59314	-0.23108	4.45E-07	-0.13084	0.00462
4.91E-11	0.028965	0.53237	-0.01657	0.72094	-0.17531	0.00014	-0.03052	0.51053

2.86E-10	0.095955	0.03819	0.199817	1.36E-05	-0.08502	0.06639	0.069508	0.13365
0.00056	0.017276	0.70962	0.104703	0.02365	0.015849	0.73264	0.080177	0.08349
0.00035	-0.02647	0.56826	0.114493	0.0133	0.075236	0.10442	0.088358	0.05638
4.40E-13	0.086548	0.06165	0.073298	0.11368	-0.09974	0.03116	0.06626	0.15283
7.24E-08	0.084361	0.06854	0.125966	0.00642	0.12453	0.00705	0.244107	9.19E-08
0.03554	0.055988	0.2272	0.251507	3.60E-08	0.250906	3.89E-08	0.344364	1.90E-14
0.3014	-0.00272	0.95318	-0.00316	0.94562	0.010565	0.81987	0.07365	0.11195
0.0596	0.039584	0.39341	0.249569	4.62E-08	0.305685	1.47E-11	0.219666	1.64E-06
1.12E-13	-0.02113	0.64873	0.088323	0.05648	-0.01053	0.82047	0.025426	0.58363
0.00524	-0.0079	0.86481	-0.00824	0.85911	-0.08802	0.05734	-0.02067	0.65592
2.25E-07	0.057468	0.21513	0.34469	1.79E-14	0.368416	1.85E-16	0.303974	1.94E-11
5.35E-05	-0.05198	0.26227	-0.01695	0.7148	-0.09587	0.03836	-0.0526	0.25657
0.22696	0.101916	0.02765	0.04757	0.30498	0.076639	0.09809	0.19262	2.78E-05
0.25057	0.014452	0.75544	-0.18826	4.24E-05	-0.30535	1.55E-11	-0.1444	0.00176
0.07219	0.069031	0.13634	0.017272	0.70969	-0.02098	0.65113	0.119938	0.00948
0.95961	0.042407	0.36052	-0.02919	0.5292	0.003077	0.94712	0.093676	0.04303
0.39186	0.173067	0.00017	-0.01136	0.80651	0.0942	0.04188	0.31221	5.12E-12
1.44E-09	0.037094	0.42386	0.196374	1.92E-05	0.127723	0.00571	0.124723	0.00696
0.02156	0.051263	0.26892	0.116304	0.0119	0.123819	0.00739	0.24475	8.48E-08
0.01141	-0.24109	1.34E-07	-0.13326	0.00392	-0.28059	6.75E-10	-0.37877	2.22E-17
4.29E-15	-0.07009	0.13041	0.045943	0.32183	-0.1948	2.25E-05	-0.10384	0.02483
0.10031	-0.06822	0.14103	0.043593	0.34723	-0.07322	0.11408	0.000375	0.99355
1.49E-15	0.00092	0.98418	-0.18798	4.35E-05	-0.29495	7.93E-11	-0.17092	0.00021
0.17459	-0.0861	0.06302	-0.15501	0.00078	-0.29242	1.17E-10	-0.1649	0.00035
0.92207	0.11077	0.01663	0.116432	0.0118	0.011599	0.80258	0.106219	0.02169
0.22454	-0.00688	0.88213	-0.09604	0.03802	-0.12325	0.00766	-0.00881	0.84933
0.04851	-0.0665	0.15131	-0.12204	0.00829	-0.10258	0.02665	-0.09182	0.04735
0.01201	-0.03298	0.47711	0.067334	0.14627	-0.0637	0.16933	0.003527	0.9394
0.04345	-0.13318	0.00394	-0.04093	0.37747	-0.19353	2.54E-05	-0.22383	1.03E-06
0.55446	0.117066	0.01135	0.052373	0.25867	-0.0862	0.06272	0.043837	0.34454
0.6714	0.092407	0.04595	0.122837	0.00787	0.076666	0.09797	0.205093	7.90E-06
0.00285	0.113961	0.01373	0.159542	0.00054	0.034449	0.45768	0.236618	2.30E-07
0.00018	-0.00452	0.92233	0.156261	0.0007	0.11748	0.01106	0.090966	0.04946
0.81549	-0.08518	0.06589	-0.0893	0.05381	-0.2055	7.57E-06	-0.20615	7.08E-06
0.00012	0.064092	0.16674	0.02992	0.51893	-0.04489	0.33302	0.106802	0.02098
0.1216	-0.00177	0.96962	-0.13812	0.00278	-0.15294	0.00091	-0.10438	0.02409
6.99E-06	0.041603	0.3697	-0.01	0.82929	-0.05886	0.20418	0.001742	0.97005
1.45E-08	-0.02685	0.56274	0.030722	0.50778	-0.1386	0.00269	-0.05265	0.2562
0.59875	0.013734	0.76723	-0.12294	0.00782	-0.14607	0.00155	-0.08073	0.08136
9.16E-09	0.091005	0.04936	0.245909	7.34E-08	0.261563	9.61E-09	0.322225	9.62E-13
1.53E-05	0.063955	0.16765	-0.06263	0.17668	-0.06651	0.15125	0.062611	0.17678
4.21E-09	0.041758	0.36792	0.150743	0.00108	0.087288	0.05945	0.274432	1.63E-09
6.12E-06	0.050091	0.28002	-0.00544	0.90669	-0.19783	1.66E-05	0.014456	0.75536
9.88E-07	0.067535	0.14506	0.222701	1.17E-06	0.057964	0.21118	0.13665	0.00309
5.53E-15	-0.06146	0.18487	-0.0554	0.23216	0.032942	0.4776	-0.13477	0.00352



0.803	0.076645	0.09807	0.149884	0.00116	0.094597	0.04102	0.179355	9.73E-05
2.77E-07	-0.03267	0.48124	-0.11237	0.01512	-0.13679	0.00306	-0.07664	0.0981
0.18713	0.259781	1.22E-08	0.159776	0.00053	0.13495	0.00348	0.30498	1.65E-11
0.00072	-0.02341	0.61389	-0.09961	0.03138	-0.27279	2.06E-09	-0.19009	3.55E-05
0.14802	0.099286	0.03194	0.173106	0.00017	0.104258	0.02425	0.239997	1.53E-07
0.00054	-0.07092	0.12589	0.050772	0.27354	-0.08211	0.0763	-0.03206	0.4895
0.00152	-0.0438	0.34499	-0.04037	0.38407	-0.164	0.00037	-0.05651	0.22291
2.47E-19	0.145783	0.00158	0.131675	0.00437	0.09915	0.03218	0.29806	4.90E-11
0.00049	0.104233	0.02429	0.100709	0.02955	0.051015	0.27124	0.232248	3.87E-07
0.58721	0.033115	0.47529	0.003693	0.93655	-0.06262	0.17672	0.075434	0.10351
0.00039	-0.26643	4.97E-09	-0.08339	0.07179	-0.37279	7.62E-17	-0.37401	5.95E-17
0.28541	0.111162	0.01625	0.016681	0.7192	-0.03725	0.42189	0.144385	0.00176
7.60E-09	-0.05897	0.20337	0.121883	0.00837	0.035067	0.44965	-0.00267	0.95419
0.00041	-0.07058	0.12775	-0.17421	0.00015	-0.1859	5.30E-05	-0.21348	3.24E-06
3.97E-09	0.04969	0.28391	-0.07076	0.1268	-0.13411	0.00369	0.01422	0.75923
0.10564	-0.09116	0.04898	-0.05861	0.20616	-0.26017	1.16E-08	-0.21366	3.18E-06
0.00017	-0.0013	0.97766	0.072718	0.11657	-0.02209	0.63392	0.066838	0.14927
3.15E-07	0.005697	0.90228	-0.06606	0.15406	-0.24988	4.44E-08	-0.11718	0.01127
0.78139	-0.0003	0.99477	-0.00401	0.93105	-0.15146	0.00103	-0.04378	0.34522
0.00278	0.065591	0.15702	0.020862	0.65294	-0.09732	0.03552	0.10125	0.02869
1.66E-05	0.06192	0.18162	0.089419	0.05348	-0.0065	0.88855	0.162139	0.00044
0.3446	0.066061	0.15407	0.103698	0.02503	0.052219	0.26008	0.131654	0.00437
5.55E-06	-0.04996	0.28131	0.067755	0.14376	-0.1214	0.00864	-0.02856	0.53805
9.70E-10	0.11287	0.01467	0.197793	1.67E-05	0.12305	0.00776	0.256286	1.94E-08
1.64E-05	0.04434	0.33902	0.027894	0.54764	-0.10143	0.0284	0.06128	0.18618
0.70966	0.154158	0.00083	0.0904	0.0509	0.092204	0.04643	0.285184	3.45E-10
2.39E-05	-0.07587	0.10153	-0.03363	0.46847	-0.19719	1.77E-05	-0.15736	0.00064
0.0001	0.059465	0.19958	0.016615	0.72026	-0.06415	0.16635	0.123762	0.00741
0.16191	-0.15642	0.00069	-0.03447	0.45744	-0.09334	0.0438	-0.09753	0.03513
0.11667	-0.07263	0.11701	-0.10128	0.02864	-0.17626	0.00013	-0.17728	0.00012
0.07511	-0.08134	0.0791	-0.09913	0.03222	-0.27145	2.48E-09	-0.28939	1.84E-10
0.00053	0.011732	0.80038	0.162917	0.00041	0.054694	0.23814	0.150571	0.0011
0.01602	-0.00074	0.98729	0.076005	0.10091	-0.19259	2.79E-05	-0.16506	0.00034
1.29E-14	0.100557	0.0298	0.147461	0.0014	0.035681	0.44175	0.184484	6.06E-05
0.00032	-0.0308	0.50664	-0.06926	0.13507	-0.20529	7.74E-06	-0.09997	0.03077
0.0251	-0.03842	0.40748	-0.06265	0.17652	-0.10151	0.02827	-0.03804	0.41211
0.95819	-0.09209	0.0467	-0.04611	0.32003	-0.19775	1.67E-05	-0.10742	0.02024
0.17598	-0.05381	0.24585	-0.14764	0.00138	-0.17642	0.00013	-0.12293	0.00782
0.24459	0.005829	0.90002	0.025025	0.58959	0.072623	0.11705	0.102666	0.02652
5.30E-06	0.074801	0.10644	0.061663	0.18344	0.024485	0.59764	0.182414	7.35E-05
0.00027	-0.00879	0.8497	-0.08004	0.08404	-0.14418	0.00179	-0.07345	0.11293
1.85E-16	0.010302	0.82428	0.011446	0.80514	-0.13845	0.00271	0.016004	0.73013
9.57E-06	0.082662	0.07433	0.152807	0.00092	0.164442	0.00036	0.278073	9.71E-10
0.02589	0.033252	0.47347	-0.06612	0.15369	-0.10001	0.0307	0.032267	0.48668
0.00076	0.004872	0.91637	0.363113	5.31E-16	0.214487	2.91E-06	0.262971	7.95E-09

6.35E-15	0.093348	0.04377	0.205077	7.92E-06	0.141047	0.00225	0.322111	9.81E-13
0.53249	0.092401	0.04596	-0.0066	0.88689	0.078312	0.09095	0.116608	0.01168
0.09494	-0.15327	0.00089	0.033298	0.47285	-0.27286	2.04E-09	-0.25636	1.92E-08
0.03581	-0.12027	0.00928	-0.02627	0.57126	-0.37249	8.11E-17	-0.32919	2.89E-13
0.00183	0.024864	0.59198	-0.03527	0.44705	-0.04036	0.38421	0.049206	0.28863
1.26E-16	0.070254	0.12952	-0.02376	0.60857	-0.12153	0.00856	0.037384	0.42025
2.41E-09	-0.1404	0.00236	-0.04083	0.37862	0.012984	0.77959	-0.16804	0.00026
0.00869	-0.05049	0.27618	-0.02785	0.54832	-0.05755	0.2145	-0.06863	0.13866
6.02E-10	-0.1495	0.00119	-0.10766	0.01996	-0.08821	0.05679	-0.22508	8.92E-07
0.00086	-0.04484	0.33363	0.049487	0.28587	-0.12859	0.00539	-0.07265	0.11692
0.00244	-0.04608	0.32042	0.055113	0.23455	-0.08315	0.07264	-0.01379	0.76626
7.74E-06	-0.01845	0.69094	-0.0153	0.74164	-0.02509	0.58857	0.018622	0.68814
0.4187	-0.07365	0.11193	0.02321	0.61686	-0.14671	0.00148	-0.11038	0.01702
0.01683	-0.13855	0.00269	-0.06321	0.17267	-0.19849	1.55E-05	-0.20181	1.11E-05
4.02E-14	0.014978	0.74682	0.066654	0.15039	-0.08799	0.05742	-0.01158	0.80292
0.04823	-0.01907	0.68107	0.035997	0.43771	-0.13548	0.00335	-0.02081	0.65369
0.04916	0.096706	0.0367	-0.09003	0.05185	-0.10554	0.02255	0.032777	0.47981
0.00234	-0.10293	0.02613	-0.012	0.79592	-0.1612	0.00047	-0.09057	0.05046
1.68E-11	-0.01255	0.78674	0.039079	0.39947	-0.09191	0.04713	-0.01211	0.79413
2.84E-05	0.168721	0.00025	0.105296	0.02286	-0.00595	0.89792	0.158279	0.0006
0.00764	0.042535	0.35907	0.284676	3.72E-10	0.089178	0.05413	0.18942	3.79E-05
2.40E-09	0.021888	0.63708	-0.00837	0.85683	-0.06242	0.17812	0.085218	0.06577
0.50783	-0.00275	0.95282	-0.07585	0.10163	-0.13299	0.00399	-0.04637	0.31737
0.59286	-0.12861	0.00538	-0.0054	0.90735	-0.21257	3.58E-06	-0.23979	1.57E-07
0.03111	-0.00733	0.87442	-0.28625	2.95E-10	-0.36759	2.18E-16	-0.35073	5.79E-15
2.98E-16	-0.01132	0.80721	0.09783	0.03456	-0.07773	0.09339	0.050963	0.27173
3.76E-08	-0.01202	0.79553	-0.04834	0.29724	-0.08965	0.05287	-0.02818	0.5436
7.98E-05	-0.07711	0.09604	0.057291	0.21654	-0.1451	0.00167	-0.14036	0.00236
3.62E-11	-0.04746	0.30606	-0.11616	0.01201	-0.2237	1.04E-06	-0.12754	0.00578
0.51719	0.007075	0.87881	0.069646	0.13288	-0.01832	0.69292	0.018861	0.68435
0.00611	-0.05969	0.1979	-0.02497	0.59043	-0.1248	0.00693	-0.0311	0.50261
2.58E-06	0.078792	0.08898	0.289798	1.73E-10	0.308176	9.88E-12	0.21818	1.94E-06
0.18799	0.041006	0.37661	0.095735	0.03864	-0.01737	0.70818	0.162513	0.00042
0.00507	-0.08047	0.08238	-0.06516	0.15978	-0.03839	0.40784	-0.1311	0.00454
9.15E-15	0.068072	0.14189	0.158528	0.00059	0.027519	0.55304	0.167142	0.00029
1.23E-07	-0.09226	0.04629	0.059259	0.20114	0.079621	0.08566	0.037565	0.418
0.96518	0.066213	0.15312	0.250479	4.11E-08	0.138735	0.00266	0.263601	7.30E-09
0.00348	0.031846	0.49238	0.068011	0.14224	-0.11692	0.01145	0.033214	0.47397
4.99E-08	-0.03545	0.4447	0.024149	0.60269	-0.26328	7.63E-09	-0.12595	0.00642
0.00808	-0.09919	0.03211	0.140078	0.00241	-0.08997	0.05201	-0.05698	0.21907
0.96047	0.008059	0.8621	0.055345	0.23259	0.007049	0.87924	0.072498	0.11769
3.14E-14	0.115844	0.01224	0.212015	3.80E-06	0.193406	2.57E-05	0.234093	3.11E-07
9.27E-12	0.050003	0.28088	0.075349	0.1039	-0.05642	0.22365	0.086647	0.06135
2.54E-13	-0.0389	0.40164	-0.01226	0.79156	-0.13334	0.00389	-0.05744	0.21537
1.00E-07	0.042423	0.36034	0.042161	0.36332	-0.02296	0.62066	0.137449	0.00292

0.22703	-0.08648	0.06186	0.104539	0.02387	0.056613	0.22204	0.010064	0.82827
3.20E-11	-0.04969	0.28394	-0.02722	0.55738	-0.10772	0.01989	-0.04668	0.31412
1.22E-15	0.07783	0.09297	0.045915	0.32212	-0.06945	0.13397	0.059228	0.20139
0.14043	0.095149	0.03985	0.021485	0.64329	-0.03072	0.50781	0.085927	0.06354
0.00015	0.074587	0.10745	-0.01718	0.71124	-0.04968	0.28401	0.058817	0.20453
2.34E-06	0.038683	0.40427	-0.00957	0.83653	-0.03166	0.49491	0.107387	0.02028
9.29E-09	0.058912	0.2038	-0.04231	0.36167	-0.20187	1.10E-05	-0.03499	0.45068
0.28673	0.105511	0.02259	-0.00665	0.88601	0.126961	0.00601	0.180588	8.70E-05
0.0123	0.100698	0.02957	0.061818	0.18233	0.14649	0.0015	0.217529	2.08E-06
0.08199	0.06982	0.13191	0.112399	0.01509	0.011652	0.8017	0.167168	0.00029
1.59E-07	-0.0156	0.73663	-0.0789	0.08853	-0.0809	0.08074	-0.01744	0.70703
0.01151	-0.03108	0.50283	0.143686	0.00185	0.082461	0.07504	0.079129	0.08762
3.93E-06	0.068408	0.13992	-0.08316	0.07258	-0.13747	0.00291	-0.0478	0.30265
5.06E-07	-0.09444	0.04135	-0.09806	0.03413	-0.25679	1.81E-08	-0.20487	8.09E-06
0.0685	-0.15131	0.00104	-0.22411	9.96E-07	-0.27405	1.72E-09	-0.28795	2.28E-10
0.56182	-0.02494	0.5908	-0.01677	0.71769	-0.06845	0.1397	-0.08669	0.06122
7.39E-05	0.027329	0.55578	0.107715	0.0199	-0.00339	0.94178	0.152366	0.00096
8.84E-13	0.057102	0.21807	0.065001	0.16079	0.061826	0.18228	0.163616	0.00038
0.00148	-0.03728	0.4216	-0.13375	0.00378	-0.22072	1.46E-06	-0.16557	0.00033
2.33E-09	-0.09363	0.04314	-0.05254	0.25711	-0.23727	2.12E-07	-0.22456	9.46E-07
5.01E-09	0.018146	0.69572	0.036817	0.42733	-0.03224	0.48699	0.076742	0.09764
0.00011	-0.05613	0.22604	-0.00187	0.96791	-0.09662	0.03687	-0.03715	0.42311
0.00976	-0.02562	0.58078	-0.15135	0.00103	-0.1396	0.0025	-0.13796	0.00281
0.31445	-0.03731	0.4212	-0.07117	0.12456	-0.13349	0.00385	-0.08181	0.07736
2.53E-17	0.29485	8.05E-11	0.151545	0.00102	0.222278	1.23E-06	0.416114	5.57E-21
0.00161	-0.07085	0.12628	-0.09124	0.04878	-0.1833	6.77E-05	-0.13645	0.00313
0.38533	0.005756	0.90126	-0.03773	0.41599	6.50E-05	0.99888	-0.04756	0.30509
1.91E-08	-0.14786	0.00135	0.111598	0.01583	-0.20671	6.68E-06	-0.13354	0.00384
8.85E-05	-0.06724	0.14681	0.244712	8.52E-08	-0.1058	0.02222	-0.05853	0.20672
1.07E-10	0.016825	0.71687	-0.05121	0.26946	-0.23384	3.21E-07	-0.14551	0.00162
3.12E-08	-0.01325	0.77515	-0.0025	0.9571	-0.161	0.00048	-0.02713	0.55867
3.05E-06	0.007466	0.87216	0.143627	0.00186	-0.01026	0.82506	0.102148	0.02729
4.06E-12	0.170915	0.00021	0.198944	1.48E-05	0.253136	2.92E-08	0.456187	2.21E-25
3.54E-16	0.131249	0.0045	0.188413	4.18E-05	0.134388	0.00362	0.332095	1.74E-13
0.00992	-0.09002	0.05189	0.092321	0.04615	-0.10654	0.02129	-0.10188	0.0277
0.16795	-0.07497	0.10564	-0.1407	0.00231	-0.31566	2.90E-12	-0.20594	7.24E-06
1.20E-05	-0.01777	0.70163	-0.09525	0.03964	-0.10641	0.02146	0.00522	0.91042
0.06779	-0.02419	0.60213	0.157713	0.00063	0.016968	0.71458	0.054454	0.24021
0.00611	-0.10187	0.02772	-0.05609	0.22632	-0.11762	0.01097	-0.1482	0.00132
0.00362	-0.17956	9.55E-05	-0.0328	0.47948	-0.08282	0.07376	-0.21374	3.15E-06
8.73E-06	-0.03311	0.47534	-0.14964	0.00118	-0.12543	0.00665	-0.09177	0.04749
0.59532	-0.17634	0.00013	-0.01259	0.78609	-0.28689	2.68E-10	-0.28598	3.06E-10
0.13137	-0.0734	0.1132	-0.00952	0.83736	-0.15381	0.00085	-0.10286	0.02624
0.00012	0.001413	0.9757	-0.07384	0.11101	-0.13989	0.00245	-0.08286	0.07364
0.07542	-0.0714	0.12337	-0.08862	0.05564	-0.18184	7.75E-05	-0.11422	0.01352

1.56E-09	0.085603	0.06455	0.130768	0.00465	0.059423	0.1999	0.163479	0.00039
0.38276	-0.00315	0.94585	-0.05524	0.23344	-0.04317	0.35189	-0.00851	0.85447
0.01817	0.170145	0.00022	0.091438	0.04829	0.211011	4.23E-06	0.357274	1.66E-15
0.49571	0.151037	0.00106	0.015411	0.73976	0.178463	0.00011	0.264963	6.07E-09
1.40E-11	0.029813	0.52043	-0.03759	0.41767	-0.16685	0.00029	-0.02755	0.55256
4.88E-15	-0.00257	0.95585	0.034634	0.45527	-0.12398	0.00731	0.01154	0.80358
0.32874	0.060399	0.1926	0.137507	0.0029	0.135397	0.00337	0.235905	2.51E-07
0.03752	-0.13653	0.00311	-0.10352	0.02528	-0.2273	6.90E-07	-0.28021	7.14E-10
7.77E-16	0.076482	0.09878	0.094957	0.04025	0.014373	0.75672	0.141913	0.00211
0.02115	-0.0283	0.54186	0.034475	0.45734	-0.01201	0.79573	0.035626	0.44245
0.00522	0.063898	0.16803	0.127705	0.00572	0.048069	0.29992	0.189295	3.84E-05
0.00034	0.048503	0.29557	0.062432	0.17803	-0.00127	0.97813	0.057728	0.21305
2.57E-08	0.010065	0.82826	0.067599	0.14468	-0.02754	0.55272	0.061155	0.18708
1.10E-16	0.139541	0.00251	0.210557	4.44E-06	0.119931	0.00948	0.334667	1.10E-13
1.22E-08	0.088846	0.05503	0.11936	0.00983	-0.10797	0.0196	0.076025	0.10082
1.47E-08	-0.03653	0.43096	-0.09634	0.03742	-0.18838	4.19E-05	-0.0919	0.04716
0.67116	0.099291	0.03193	-0.05732	0.21628	-0.09847	0.03338	0.071446	0.12312
1.05E-23	0.008461	0.8553	0.006546	0.8878	-0.13898	0.00261	-0.05968	0.19799
6.87E-07	0.004697	0.91937	-0.03128	0.50004	-0.16105	0.00048	-0.01443	0.75582
0.09056	-0.10551	0.02259	-0.18891	3.98E-05	-0.30756	1.09E-11	-0.24723	6.21E-08
0.00035	-0.18959	3.73E-05	-0.04415	0.34106	-0.19417	2.39E-05	-0.2626	8.36E-09
0.00023	-0.03834	0.40845	-0.02858	0.53786	-0.18512	5.71E-05	-0.13305	0.00397
0.25671	0.151299	0.00104	0.096495	0.03711	0.027348	0.55551	0.161979	0.00044
5.56E-12	0.119339	0.00984	0.212305	3.68E-06	0.105494	0.02261	0.253338	2.84E-08
0.0005	-0.04838	0.29684	0.090718	0.05009	-0.13603	0.00323	-0.0732	0.11417
6.26E-10	0.070777	0.12668	0.082524	0.07481	0.065756	0.15598	0.193412	2.57E-05
0.01208	0.012447	0.78849	-0.04215	0.36344	-0.15976	0.00053	-0.01418	0.7599
5.14E-13	0.097406	0.03535	0.032361	0.4854	0.04504	0.33144	0.198588	1.54E-05
5.66E-08	0.020806	0.65382	-0.1171	0.01133	-0.17993	9.24E-05	-0.03884	0.40231
8.36E-07	-0.06634	0.15233	-0.14851	0.00129	-0.25119	3.75E-08	-0.15704	0.00066
0.36546	0.112032	0.01543	0.030388	0.51242	0.216969	2.22E-06	0.243328	1.01E-07
0.01122	-0.00011	0.9981	-0.08779	0.05801	-0.0327	0.48088	-0.01696	0.7147
0.13131	-0.0232	0.61697	-0.06868	0.13838	-0.05495	0.2359	-0.04072	0.38
0.07483	0.007426	0.87284	-0.00977	0.83324	-0.18162	7.91E-05	-0.05025	0.27851
0.00128	0.046584	0.31512	0.177928	0.00011	0.015953	0.73097	0.118569	0.01033
0.01509	0.177017	0.00012	-0.01408	0.76158	0.064207	0.16598	0.155443	0.00075
5.27E-10	0.040916	0.37767	0.004741	0.91861	-0.176	0.00013	0.00396	0.93198
6.98E-14	0.026096	0.57377	0.021512	0.64287	-0.12288	0.00785	0.033875	0.46521
0.05674	-0.0771	0.09607	-0.01357	0.76991	-0.26858	3.70E-09	-0.12837	0.00547
4.89E-06	0.159704	0.00053	0.234453	2.98E-07	0.206869	6.56E-06	0.386009	4.84E-18
0.82783	-0.22615	7.89E-07	-0.1004	0.03006	-0.24779	5.79E-08	-0.34536	1.58E-14
1.08E-06	0.255764	2.07E-08	0.088987	0.05464	0.221593	1.32E-06	0.392782	1.12E-18
0.00284	-0.11137	0.01605	0.092211	0.04641	-0.01417	0.76013	-0.08603	0.06322
2.57E-06	-0.00617	0.8942	-0.18621	5.15E-05	-0.04423	0.34026	-0.12637	0.00625
1.71E-07	0.108999	0.01846	0.21718	2.16E-06	0.150989	0.00106	0.303443	2.11E-11

0.13107	0.060291	0.1934	-0.026	0.57523	0.094203	0.04187	0.156652	0.00068
1.98E-12	-0.05688	0.21985	-0.16459	0.00035	-0.15505	0.00077	-0.0795	0.08615
0.00028	-0.06244	0.178	-0.11454	0.01326	-0.12123	0.00873	-0.0883	0.05654
5.23E-05	-0.03513	0.44884	-0.05533	0.23272	-0.03322	0.47394	0.008954	0.84698
0.01605	0.024607	0.59582	0.212643	3.55E-06	0.335265	9.90E-14	0.138269	0.00275
0.05071	-0.18501	5.76E-05	-0.05577	0.22899	-0.18374	6.50E-05	-0.27484	1.54E-09
3.76E-06	-0.01504	0.74581	0.039502	0.39438	-0.18423	6.20E-05	-0.07773	0.09337
0.00581	0.037772	0.41543	0.048498	0.29563	-0.06152	0.18449	0.095695	0.03872
0.044	0.179443	9.65E-05	0.101614	0.02811	0.066704	0.15009	0.242954	1.06E-07
0.31193	-0.00142	0.97567	0.146992	0.00145	0.074265	0.10898	0.168496	0.00025
0.23238	0.139588	0.0025	0.148095	0.00133	0.056213	0.22533	0.274754	1.56E-09
4.57E-14	0.085382	0.06525	0.169808	0.00023	-0.00943	0.83903	0.186581	4.97E-05
2.63E-07	0.069564	0.13334	0.113134	0.01444	-0.05471	0.23796	0.127716	0.00571
0.00025	0.013857	0.7652	-0.05177	0.26419	-0.21827	1.92E-06	-0.06884	0.13743
2.48E-13	-0.03111	0.50243	0.23098	4.50E-07	-0.03277	0.47992	0.090494	0.05066
1.24E-11	-0.18511	5.71E-05	-0.23327	3.43E-07	-0.40453	8.17E-20	-0.38978	2.15E-18
2.90E-09	0.064773	0.16227	0.187167	4.70E-05	-0.05502	0.23535	0.097237	0.03567
6.23E-07	0.031315	0.49962	0.115461	0.01253	0.046345	0.31761	0.140211	0.00239
0.00014	0.134781	0.00352	0.083281	0.07217	0.084909	0.06676	0.296425	6.31E-11
0.32941	-0.09775	0.0347	-0.19459	2.29E-05	-0.30847	9.42E-12	-0.27761	1.04E-09
3.86E-08	0.105227	0.02295	0.338293	5.75E-14	0.172163	0.00019	0.312971	4.52E-12
1.62E-06	0.051928	0.26275	-0.1048	0.02351	-0.15311	0.0009	-0.07085	0.12627
0.00029	-0.07627	0.09971	-0.05055	0.27568	-0.17613	0.00013	-0.10684	0.02093
0.17384	0.149105	0.00123	0.083764	0.07053	0.028654	0.53678	0.211956	3.82E-06
2.06E-11	-0.08956	0.0531	-0.04788	0.30183	-0.22018	1.55E-06	-0.20382	9.02E-06
2.45E-06	-0.15052	0.0011	-0.00661	0.88674	-0.13984	0.00246	-0.20617	7.06E-06
1.61E-20	-0.14716	0.00143	-0.07211	0.11969	-0.09168	0.04768	-0.28018	7.16E-10
0.17255	-0.0131	0.7776	-0.05332	0.25012	-0.11959	0.00969	-0.08401	0.0697
0.00028	-0.07496	0.10569	-0.01132	0.80725	0.051381	0.26781	-0.05217	0.2605
7.46E-11	0.027908	0.54744	0.03505	0.44987	-0.08589	0.06367	0.007411	0.8731
0.21131	-0.05217	0.26048	-0.05993	0.1961	-0.03372	0.46725	-0.01517	0.74366
0.2764	0.138281	0.00275	0.062172	0.17984	-0.02291	0.62135	0.19828	1.59E-05
1.90E-08	0.08496	0.06659	0.097805	0.0346	-0.03542	0.44503	0.160366	0.0005
0.04567	0.060595	0.19115	0.299589	3.86E-11	0.231128	4.42E-07	0.286285	2.93E-10
0.01025	0.066475	0.15149	0.121559	0.00855	0.12733	0.00586	0.187773	4.44E-05
1.76E-10	0.157807	0.00062	-0.03108	0.50284	0.054471	0.24006	0.279413	8.01E-10
0.00011	0.099223	0.03205	0.146151	0.00154	0.103378	0.02548	0.25247	3.18E-08
0.86657	0.179364	9.73E-05	-0.15105	0.00106	-0.33469	1.10E-13	-0.20142	1.15E-05
0.61213	-0.03841	0.40757	0.073579	0.1123	-0.01287	0.78145	-0.01639	0.72381
0.00024	0.030955	0.50457	0.194707	2.27E-05	0.026823	0.56312	0.16548	0.00033
0.54253	-0.07136	0.12356	0.122249	0.00818	0.00875	0.85042	0.049852	0.28233
6.87E-05	0.003348	0.94248	-0.0265	0.56789	-0.16604	0.00031	-0.07267	0.11682
9.01E-15	-0.06756	0.14488	-0.01862	0.68818	-0.12162	0.00852	-0.10491	0.02338
3.62E-12	0.051697	0.26488	0.106718	0.02108	0.050095	0.27999	0.141296	0.00221
0.0017	0.136589	0.0031	0.114707	0.01312	-0.02294	0.62103	0.175475	0.00014

0.00027	0.012669	0.78481	0.149029	0.00124	0.015386	0.74017	0.127975	0.00561
2.15E-08	0.106879	0.02088	0.141174	0.00223	0.090265	0.05125	0.23583	2.53E-07
1.52E-15	0.110933	0.01647	0.1496	0.00118	-0.01412	0.76083	0.139129	0.00258
2.06E-05	0.07086	0.12623	0.213883	3.11E-06	0.156937	0.00067	0.216762	2.27E-06
0.11272	-0.13965	0.00249	0.056608	0.22208	-0.13347	0.00386	-0.07952	0.08605
0.01462	0.035001	0.45051	0.112922	0.01462	0.060385	0.1927	0.130804	0.00464
0.00194	0.051797	0.26395	0.02539	0.58418	-0.04466	0.33555	0.094904	0.04036
0.20103	0.149595	0.00119	-0.03447	0.4574	-0.02421	0.60184	0.171422	0.0002
0.0077	-0.11107	0.01634	0.009191	0.84297	-0.25613	1.98E-08	-0.18366	6.55E-05
0.20553	0.118999	0.01006	0.391379	1.52E-18	0.211261	4.12E-06	0.346677	1.24E-14
0.00242	0.193762	2.49E-05	0.268626	3.67E-09	0.244655	8.58E-08	0.435013	5.54E-23
0.12889	0.07569	0.10234	0.037631	0.41719	-0.0938	0.04276	0.108645	0.01885
0.00506	-0.0717	0.12181	-0.08987	0.05228	-0.27364	1.82E-09	-0.19666	1.87E-05
1.86E-06	0.189351	3.82E-05	0.198434	1.56E-05	0.207768	5.97E-06	0.381686	1.21E-17
0.55765	0.137001	0.00301	0.112809	0.01472	0.013243	0.77531	0.168369	0.00026
0.48917	0.059946	0.19597	0.110517	0.01688	0.000223	0.99617	0.099712	0.03121
1.47E-14	0.197598	1.70E-05	0.225652	8.35E-07	0.134695	0.00354	0.335478	9.53E-14
3.48E-06	-0.1254	0.00666	-0.20864	5.45E-06	-0.29009	1.66E-10	-0.3257	5.30E-13
1.05E-10	0.090738	0.05004	0.192118	2.92E-05	0.042099	0.36402	0.149884	0.00116
4.42E-07	-0.03416	0.46142	0.244149	9.14E-08	0.12296	0.00781	0.18043	8.82E-05
5.81E-06	0.143343	0.0019	0.225051	8.94E-07	0.132285	0.00419	0.332108	1.73E-13
3.02E-07	0.064205	0.166	0.208798	5.36E-06	0.025987	0.57537	0.172093	0.00019
1.91E-07	0.009341	0.84044	0.092022	0.04687	0.011239	0.80861	0.092008	0.0469
1.51E-10	-0.02816	0.54376	0.17142	0.0002	0.022475	0.62806	0.11927	0.00989
0.49195	-0.00454	0.92213	0.016794	0.71738	-0.19031	3.48E-05	-0.11012	0.01728
1.05E-13	-0.01639	0.72387	0.076609	0.09822	-0.1052	0.02299	-0.00113	0.98049
0.05153	0.061977	0.18121	0.099981	0.03075	0.15856	0.00058	0.2631	7.81E-09
7.16E-15	0.162477	0.00042	0.082235	0.07584	0.060941	0.18863	0.283189	4.62E-10
7.99E-08	0.053898	0.24504	0.104032	0.02456	0.00145	0.97507	0.15889	0.00057
0.00265	-0.01967	0.6716	0.03837	0.40808	-0.072	0.12026	-0.03492	0.45151
2.11E-22	-0.04315	0.35219	-0.09417	0.04194	-0.15933	0.00055	-0.10453	0.02388
0.13767	-0.02564	0.5805	-0.05043	0.27683	-0.14793	0.00135	-0.00838	0.85668
8.31E-09	0.088423	0.0562	0.135977	0.00324	0.135076	0.00345	0.26819	3.90E-09
0.36075	0.146676	0.00148	0.216306	2.38E-06	0.3067	1.25E-11	0.302351	2.50E-11
0.1216	-0.14438	0.00176	0.042862	0.35538	-0.13955	0.00251	-0.16987	0.00023
0.02273	0.02569	0.57974	0.200449	1.27E-05	0.006109	0.89525	0.094717	0.04076
5.56E-07	-0.01071	0.81739	-0.04595	0.32173	-0.16377	0.00038	-0.10926	0.01818
0.78924	-0.06862	0.13872	-0.19155	3.09E-05	-0.0896	0.05301	-0.19215	2.91E-05
0.00021	-0.08363	0.07098	-0.14708	0.00144	-0.03872	0.40377	-0.12094	0.00889
0.00162	0.155912	0.00072	0.094667	0.04087	0.031279	0.50012	0.20385	8.99E-06
1.37E-16	-0.01521	0.74298	-0.02707	0.55951	-0.14112	0.00224	-0.05608	0.22639
2.47E-14	0.043706	0.34598	0.221894	1.28E-06	0.020967	0.65131	0.135677	0.00331
0.00462	0.034355	0.45891	0.098953	0.03252	0.195953	2.00E-05	0.06937	0.13442
0.00022	0.139458	0.00252	0.01103	0.81209	0.025708	0.57947	0.136128	0.0032
6.07E-05	0.021646	0.64081	-0.08762	0.05849	-0.21035	4.54E-06	-0.04034	0.38445

5.77E-10	0.03995	0.38905	0.141683	0.00215	-0.0005	0.99146	0.1372	0.00297
9.59E-05	0.061628	0.18369	0.151052	0.00106	0.022467	0.62819	0.126246	0.0063
0.00898	-0.00256	0.95604	-0.03235	0.48553	-0.0193	0.67739	-0.08481	0.06708
9.22E-14	-0.13125	0.0045	-0.09289	0.04482	-0.29409	9.04E-11	-0.26789	4.07E-09
1.32E-06	0.1307	0.00467	0.13892	0.00262	0.041735	0.36819	0.225126	8.87E-07
6.44E-07	-0.00146	0.97488	-0.04087	0.37826	-0.00587	0.89926	-0.03764	0.41709
0.2398	0.153751	0.00086	-0.16099	0.00048	-0.10419	0.02434	0.083087	0.07284
1.92E-06	0.032472	0.48391	-0.09263	0.04543	-0.08856	0.05582	0.036839	0.42706
0.00037	0.102058	0.02743	-0.02452	0.59713	-0.06329	0.17212	0.101731	0.02793
2.49E-05	-0.01347	0.77155	0.062697	0.17618	-0.0614	0.18535	0.016934	0.71512
0.09248	0.049707	0.28373	0.033846	0.4656	-0.04047	0.3829	0.004424	0.92404
0.98015	0.016983	0.71433	0.112001	0.01546	-0.00525	0.90995	0.03328	0.47309
3.22E-07	0.023958	0.60555	0.082303	0.0756	-0.05415	0.24285	0.040554	0.3819
4.23E-05	0.005625	0.90352	0.128912	0.00527	0.0351	0.44922	0.114529	0.01327
0.14044	0.028742	0.53554	0.051236	0.26917	-0.02409	0.60357	0.099035	0.03238
0.0041	-0.08296	0.07329	-0.00885	0.84871	-0.19003	3.57E-05	-0.13368	0.0038
3.04E-20	0.120414	0.0092	0.15461	0.0008	0.075399	0.10367	0.255834	2.05E-08
0.00039	0.085785	0.06399	0.262226	8.79E-09	0.13252	0.00412	0.217194	2.16E-06
0.40022	0.112746	0.01478	0.121299	0.00869	0.147646	0.00138	0.24963	4.58E-08
0.02857	0.2031	9.71E-06	0.076653	0.09803	0.302108	2.60E-11	0.400751	1.92E-19
0.00254	-0.00641	0.89006	-0.17613	0.00013	-0.07959	0.08577	-0.04091	0.37779
0.00117	0.098109	0.03404	0.122959	0.00781	0.07504	0.10533	0.195998	1.99E-05
0.4766	0.00928	0.84147	0.052843	0.25442	0.020326	0.6613	-0.04499	0.33203
0.0006	0.239117	1.70E-07	0.243538	9.86E-08	0.203142	9.67E-06	0.392757	1.13E-18
7.46E-10	0.006246	0.89292	0.170389	0.00022	0.135233	0.00341	0.169785	0.00023
1.11E-12	-0.05221	0.26017	0.066789	0.14957	0.060953	0.18855	-0.06004	0.19529
0.00022	-0.15045	0.00111	-0.01292	0.78069	-0.07753	0.09424	-0.10644	0.02141
0.00091	-0.0532	0.25121	0.029925	0.51887	-0.08996	0.05205	-0.07461	0.10732
7.81E-10	0.094139	0.04201	0.193827	2.47E-05	0.003451	0.94071	0.178679	0.0001
1.69E-06	0.138975	0.00261	0.040919	0.37763	0.014162	0.76018	0.201232	1.18E-05
0.14086	-0.05951	0.19923	-0.05095	0.27181	-0.21611	2.44E-06	-0.24349	9.92E-08
0.25527	0.031151	0.50188	-0.0086	0.8529	-0.09226	0.0463	0.031689	0.49451
6.83E-14	0.12348	0.00755	-0.08212	0.07625	-0.0323	0.48627	0.148233	0.00132
2.37E-07	0.178196	0.00011	0.159281	0.00055	0.196881	1.83E-05	0.385937	4.91E-18
1.09E-10	-0.05964	0.19823	-0.04428	0.33963	-0.22633	7.73E-07	-0.13959	0.0025
0.90124	-0.09427	0.04172	-0.24059	1.42E-07	-0.36049	8.89E-16	-0.30766	1.07E-11
7.06E-07	0.089399	0.05353	-0.06491	0.16137	-0.17951	9.60E-05	-0.00354	0.93922
1.83E-15	0.048411	0.29649	0.075698	0.1023	-0.0821	0.07634	0.075212	0.10453
0.00056	-0.00279	0.9521	0.138217	0.00276	-0.00452	0.92246	0.080525	0.08215
0.00461	0.038584	0.40548	-0.01215	0.79346	-0.07571	0.10224	0.017331	0.70874
0.00026	-0.1564	0.00069	0.006675	0.88561	-0.17391	0.00016	-0.18005	9.13E-05
4.26E-05	0.057037	0.21859	0.058338	0.20825	0.182035	7.61E-05	0.164451	0.00036
0.00342	0.016243	0.72627	0.17383	0.00016	0.109487	0.01794	0.103296	0.0256
0.00031	0.039156	0.39855	-0.00966	0.83501	0.033776	0.46651	0.046194	0.3192
0.36943	-0.2447	8.53E-08	-0.15316	0.0009	-0.08466	0.06756	-0.28317	4.64E-10

0.4552	0.068605	0.13878	0.065643	0.1567	0.096488	0.03712	0.150233	0.00113
1.48E-06	0.051616	0.26563	-0.13958	0.0025	-0.03974	0.39156	0.067309	0.14642
0.22965	-0.01524	0.74249	0.088901	0.05488	-0.0822	0.07596	-0.03676	0.42801
8.17E-12	-0.00756	0.87052	0.057158	0.21761	-0.16327	0.0004	-0.06483	0.16193
0.00014	0.098185	0.0339	0.067351	0.14617	0.062835	0.17524	0.20874	5.39E-06
0.0003	0.157421	0.00064	0.147759	0.00136	0.079039	0.08798	0.266905	4.66E-09
9.14E-05	0.075954	0.10114	0.355451	2.36E-15	0.148233	0.00132	0.293482	9.92E-11
0.32489	-0.00775	0.86737	0.044606	0.33613	-0.06084	0.18936	0.049448	0.28626
8.43E-06	-0.02828	0.54216	0.178675	0.0001	0.021052	0.64999	0.075095	0.10507
4.37E-12	0.042929	0.35463	0.086448	0.06195	0.025861	0.57721	0.12719	0.00592
0.11267	-0.05541	0.23201	0.079339	0.08678	0.037086	0.42397	0.057857	0.21203
2.08E-20	-0.00015	0.99749	-0.02439	0.59908	-0.15592	0.00072	-0.08363	0.071
1.29E-15	0.021452	0.64379	0.018683	0.68718	-0.1102	0.0172	0.029152	0.52972
5.86E-08	0.006855	0.88254	0.086579	0.06156	-0.01098	0.8129	0.08792	0.05762
1.58E-05	-0.17459	0.00015	-0.14285	0.00197	-0.32322	8.12E-13	-0.28224	5.31E-10
0.13189	-0.06415	0.16638	-0.12208	0.00827	-0.25589	2.04E-08	-0.17545	0.00014
5.45E-15	-0.0121	0.79427	-0.0754	0.10364	-0.18296	6.98E-05	-0.03374	0.46705
0.00086	-0.03469	0.45457	-0.18706	4.75E-05	-0.25776	1.59E-08	-0.17129	0.0002
0.00146	0.011553	0.80336	-0.02232	0.63048	-0.07355	0.11246	0.01633	0.72487
3.78E-13	0.037041	0.42453	-0.10936	0.01808	-0.21487	2.79E-06	-0.06389	0.16811
0.66855	-0.12169	0.00848	-0.29675	6.01E-11	-0.31422	3.68E-12	-0.28401	4.10E-10
3.20E-07	-0.08168	0.07784	-0.23643	2.35E-07	-0.36132	7.56E-16	-0.2594	1.28E-08
2.74E-08	-0.00474	0.91863	0.060668	0.19062	-0.05394	0.24469	0.083805	0.07039
0.00158	0.239913	1.54E-07	0.049931	0.28157	-0.03664	0.42961	0.228185	6.23E-07
0.03809	0.083696	0.07076	0.069979	0.13103	0.003821	0.93436	0.133372	0.00388
0.00194	-0.11903	0.01004	-0.05032	0.27782	-0.14986	0.00116	-0.14176	0.00213
0.28687	-0.02318	0.6174	-0.05134	0.26824	-0.14772	0.00137	-0.10504	0.02319
3.51E-12	0.068648	0.13853	0.007344	0.87424	-0.09788	0.03446	0.074265	0.10898
0.45594	0.09127	0.0487	-0.02724	0.55702	0.007213	0.87646	0.117194	0.01126
2.72E-19	-0.06976	0.13226	-0.15194	0.00099	-0.24667	6.67E-08	-0.18584	5.33E-05
4.71E-09	0.031836	0.49252	0.187022	4.77E-05	0.013355	0.77347	0.132611	0.00409
1.52E-06	0.131938	0.00429	-0.00916	0.84351	0.039174	0.39833	0.149045	0.00124
2.54E-06	0.115658	0.01238	0.25288	3.02E-08	0.143533	0.00187	0.293622	9.71E-11
6.15E-18	0.045979	0.32145	-0.00331	0.94313	-0.02123	0.64729	0.075537	0.10303
0.07687	-0.09708	0.03597	-0.13856	0.00269	-0.26192	9.16E-09	-0.21477	2.82E-06
0.31093	0.133254	0.00392	0.071664	0.12198	0.055823	0.22857	0.177645	0.00011
1.93E-08	-0.04078	0.3792	0.322405	9.33E-13	0.00159	0.97266	0.050634	0.27484
0.15568	-0.00759	0.87011	-0.03327	0.47329	-0.03675	0.42814	-0.04537	0.32791
2.03E-16	-0.03111	0.50242	-0.00466	0.92006	-0.15037	0.00112	-0.03798	0.41291
1.33E-14	0.210792	4.33E-06	0.164058	0.00037	0.061693	0.18322	0.285774	3.16E-10
4.84E-07	-0.02211	0.63361	-0.1159	0.01219	-0.21244	3.63E-06	-0.11742	0.01111
1.11E-10	0.190234	3.51E-05	-0.0382	0.41011	-0.03343	0.47112	0.19139	3.14E-05
0.20841	-0.19856	1.54E-05	-0.16838	0.00026	-0.2147	2.84E-06	-0.39674	4.69E-19
0.00423	0.015813	0.73323	0.033059	0.47604	-0.11584	0.01224	-0.01514	0.74412
2.32E-14	0.122223	0.00819	0.097949	0.03434	0.019781	0.66984	0.225473	8.52E-07



1.07E-12	0.064696	0.16277	0.160525	0.0005	0.099239	0.03202	0.136489	0.00312
0.12209	-0.12622	0.00631	-0.10302	0.026	-0.23303	3.53E-07	-0.18715	4.71E-05
0.00091	0.016331	0.72485	-0.06838	0.14011	-0.21062	4.41E-06	-0.03449	0.45715
9.30E-05	0.044064	0.34204	0.080685	0.08155	0.120189	0.00933	0.170291	0.00022
0.03186	0.062683	0.17628	-0.04792	0.30146	-0.1091	0.01836	0.023747	0.60874
1.46E-08	-0.08862	0.05566	0.041953	0.36569	-0.1529	0.00092	-0.07907	0.08787
0.01659	-0.00435	0.92537	0.061721	0.18303	0.009759	0.83341	0.091573	0.04795
0.00831	0.133185	0.00394	0.087651	0.05839	0.100879	0.02928	0.187735	4.46E-05
2.49E-11	0.086064	0.06312	0.196681	1.86E-05	0.064661	0.163	0.249077	4.91E-08
0.8949	-0.06076	0.18999	0.247261	6.19E-08	0.110285	0.01712	0.138364	0.00273
0.01686	0.171833	0.00019	0.202489	1.03E-05	0.181981	7.65E-05	0.329133	2.92E-13
1.82E-06	-0.03381	0.46613	-0.16494	0.00034	-0.2236	1.06E-06	-0.17046	0.00021
0.12694	0.152828	0.00092	0.244801	8.43E-08	0.160586	0.00049	0.327738	3.73E-13
1.31E-13	-0.06347	0.17087	0.069026	0.13637	0.142276	0.00206	-0.00715	0.87747
0.97159	-0.13656	0.00311	-0.0393	0.39678	-0.15512	0.00077	-0.13459	0.00357
1.23E-08	0.250308	4.20E-08	0.020656	0.65615	0.13988	0.00245	0.347576	1.05E-14
7.87E-06	-0.00223	0.96164	-0.13145	0.00444	-0.21842	1.89E-06	-0.12883	0.0053
4.86E-11	-0.10478	0.02355	0.020957	0.65146	-0.13323	0.00392	-0.10787	0.01972
0.50305	-0.1948	2.25E-05	0.018799	0.68534	-0.28579	3.15E-10	-0.25864	1.42E-08
8.25E-07	0.031171	0.5016	-0.06174	0.18288	-0.0182	0.69489	0.06209	0.18042
0.69025	-0.11148	0.01595	-0.03121	0.50104	-0.07698	0.0966	-0.06038	0.19271
2.45E-06	-0.03543	0.44496	0.009316	0.84086	-0.09919	0.0321	-0.02562	0.58076
2.36E-10	0.054809	0.23715	-0.00527	0.90965	-0.08124	0.07945	0.093886	0.04257
0.01109	-0.01764	0.70385	-0.08063	0.08174	-0.19575	2.04E-05	-0.06832	0.14042
2.15E-07	0.120375	0.00922	0.082337	0.07547	-0.00434	0.92542	0.135865	0.00326
0.10469	-0.05759	0.21412	-0.03344	0.47099	-0.00238	0.95917	-0.07246	0.11786
0.58061	-0.08485	0.06695	-0.04754	0.3053	0.016396	0.7238	-0.11089	0.01652
2.18E-22	-0.03985	0.39027	-0.02628	0.57104	0.184472	6.07E-05	0.03048	0.51114
1.08E-10	-0.0696	0.13311	0.002034	0.96503	-0.21664	2.30E-06	-0.14335	0.0019
0.03784	-0.01138	0.80625	0.065165	0.15974	0.049403	0.2867	0.108208	0.01934
3.84E-05	0.117359	0.01114	0.141818	0.00213	0.210413	4.51E-06	0.337516	6.61E-14
0.00036	0.01418	0.75988	-0.15465	0.0008	-0.08577	0.06403	0.010803	0.81588
1.35E-06	0.129398	0.0051	0.171572	0.00019	0.029394	0.52632	0.211997	3.81E-06
3.85E-08	0.238489	1.83E-07	0.184957	5.80E-05	0.018151	0.69563	0.182011	7.63E-05
0.00156	-0.01314	0.777	0.08354	0.07129	-0.08745	0.05898	0.060349	0.19297
1.25E-07	-0.01785	0.70051	-0.05069	0.27431	-0.14196	0.0021	-0.08286	0.07363
1.17E-06	0.091266	0.04871	0.061712	0.18309	0.003944	0.93226	0.187674	4.48E-05
2.14E-25	0.067374	0.14603	0.100437	0.03	-0.07674	0.09765	0.068184	0.14123
2.57E-12	0.04717	0.30907	0.021831	0.63796	-0.00954	0.83712	0.106606	0.02121
1.71E-06	-0.03324	0.47366	-0.13042	0.00476	-0.21651	2.33E-06	-0.16899	0.00024
0.92625	-0.06912	0.13581	0.195227	2.15E-05	-0.00426	0.92688	1.46E-05	0.99975
0.66407	-0.14859	0.00128	-0.09615	0.0378	-0.35474	2.70E-15	-0.23094	4.52E-07
0.01356	-0.06764	0.14443	-0.09267	0.04534	-0.18585	5.33E-05	-0.1261	0.00636
0.02313	0.02863	0.53713	0.057237	0.21698	0.03274	0.48031	0.079376	0.08663
0.00038	-0.10383	0.02484	-0.05256	0.25699	-0.17547	0.00014	-0.18982	3.65E-05

0.08717	0.068401	0.13996	0.110729	0.01667	0.032157	0.48816	0.165541	0.00033
5.55E-08	0.023005	0.61999	0.075036	0.10535	-0.124	0.0073	0.02426	0.60101
0.00237	-0.13849	0.00271	-0.14265	0.002	-0.12875	0.00533	-0.35376	3.26E-15
0.03831	-0.03545	0.44468	-0.05975	0.19742	-0.31196	5.33E-12	-0.17329	0.00017
4.94E-19	0.044262	0.33987	0.030346	0.513	-0.07203	0.12009	0.099295	0.03193
3.04E-06	0.020983	0.65106	0.036758	0.42807	-0.09459	0.04103	0.005832	0.89997
4.22E-05	0.005031	0.91365	0.028193	0.54335	-0.10407	0.02451	0.036036	0.43722
0.91459	0.124871	0.0069	0.176383	0.00013	0.125207	0.00675	0.276433	1.23E-09
0.00189	-0.04504	0.33142	-0.10729	0.02039	-0.33113	2.06E-13	-0.2513	3.70E-08
1.50E-21	0.065391	0.1583	0.119026	0.01004	-0.01805	0.69721	0.136867	0.00304
7.32E-07	0.010233	0.82544	0.119211	0.00992	-0.09552	0.03908	0.010341	0.82364
1.72E-11	0.071946	0.12052	0.083069	0.0729	0.104228	0.02429	0.146805	0.00147
8.80E-13	0.029792	0.52072	-0.05351	0.24845	-0.11716	0.01129	-0.00527	0.90958
0.0323	0.215519	2.60E-06	0.0859	0.06363	0.179777	9.37E-05	0.329078	2.95E-13
1.44E-17	0.154772	0.00079	0.233286	3.43E-07	0.102982	0.02605	0.267905	4.06E-09
3.81E-05	0.003599	0.93817	0.077746	0.09332	-0.00185	0.96812	0.105162	0.02304
0.00205	0.109552	0.01787	-0.00459	0.92117	-0.02642	0.56902	0.15212	0.00097
0.88092	0.009939	0.83038	-0.07504	0.10534	-0.10776	0.01984	-0.01887	0.68419
3.13E-05	0.000418	0.9928	-0.06292	0.17463	-0.12171	0.00846	-0.0211	0.64928
0.09746	0.164767	0.00035	0.13213	0.00423	0.117868	0.0108	0.312539	4.85E-12
1.74E-12	0.013399	0.77275	0.076002	0.10093	-0.07263	0.117	0.007125	0.87796
0.02189	-0.15117	0.00105	-0.08666	0.06131	-0.28947	1.82E-10	-0.26644	4.96E-09
1.10E-10	0.074879	0.10607	-0.02912	0.53022	-0.05406	0.24359	0.073159	0.11437
8.30E-12	-0.04955	0.28527	-0.12064	0.00906	-0.3158	2.83E-12	-0.23355	3.32E-07
2.39E-11	0.01966	0.67175	0.056611	0.22206	-0.10147	0.02834	0.002914	0.94992
0.08025	-0.07029	0.1293	-0.13728	0.00295	-0.18063	8.66E-05	-0.17759	0.00011
0.03764	-0.17518	0.00014	-0.16556	0.00033	-0.24558	7.64E-08	-0.32174	1.04E-12
5.00E-06	-0.05434	0.24118	0.221892	1.28E-06	-0.06929	0.13489	-0.02932	0.52731
6.96E-11	-0.07133	0.12375	-0.04309	0.35288	-0.18348	6.65E-05	-0.15403	0.00084
1.86E-08	0.118671	0.01027	-0.03423	0.4606	0.011413	0.80569	0.160965	0.00048
0.00331	0.049995	0.28095	-0.07482	0.10638	-0.12835	0.00547	0.038582	0.4055
0.00029	0.005901	0.8988	0.145332	0.00164	0.053148	0.25168	0.103499	0.02531
1.51E-11	-0.05527	0.23325	0.001383	0.97622	-0.17941	9.68E-05	-0.19171	3.04E-05
0.04159	0.042965	0.35422	0.134477	0.0036	0.107088	0.02063	0.240385	1.46E-07
0.00758	0.054203	0.24238	-0.01925	0.67828	0.015967	0.73074	0.102284	0.02709
0.74233	0.102145	0.0273	0.089913	0.05217	0.036272	0.43421	0.18744	4.58E-05
1.63E-14	0.199683	1.38E-05	0.087599	0.05855	-0.00214	0.96324	0.256275	1.94E-08
0.49818	0.109554	0.01787	0.211204	4.15E-06	0.061131	0.18726	0.247726	5.83E-08
1.08E-09	0.015432	0.73942	0.002901	0.95015	-0.08875	0.05528	-0.00613	0.89494
2.73E-12	0.116312	0.01189	0.067326	0.14631	0.023696	0.60951	0.201798	1.11E-05
1.96E-16	0.058401	0.20776	-0.06075	0.19002	-0.11479	0.01306	0.065091	0.16022
3.08E-13	0.111509	0.01592	0.146796	0.00147	0.065329	0.15869	0.199207	1.44E-05
3.56E-05	-0.08303	0.07305	-0.09912	0.03222	-0.13723	0.00296	-0.1311	0.00454
4.96E-11	-0.00776	0.86722	-0.04782	0.3024	-0.1342	0.00367	-0.07974	0.08519
5.34E-07	-0.06753	0.14512	-0.11723	0.01124	-0.3107	6.56E-12	-0.23335	3.40E-07

5.47E-06	0.082109	0.07629	0.165771	0.00032	0.120724	0.00902	0.258918	1.37E-08
5.85E-08	-0.04558	0.32573	0.092593	0.04551	-0.12944	0.00509	-0.05343	0.24916
4.43E-08	-0.06585	0.1554	0.011726	0.80048	-0.18037	8.87E-05	-0.11021	0.01719
2.94E-12	0.008013	0.86288	-0.13427	0.00365	-0.08427	0.06883	-0.03822	0.40993
3.27E-07	-0.03351	0.47004	0.145311	0.00164	0.049579	0.28498	0.096138	0.03782
8.11E-07	-0.00026	0.99553	-0.10101	0.02907	-0.17341	0.00017	-0.06191	0.18169
0.09511	-0.10339	0.02547	-0.00178	0.96934	-0.14631	0.00152	-0.10109	0.02894
1.02E-31	-0.00523	0.91025	0.163341	0.00039	-0.18041	8.84E-05	-0.0809	0.08072
0.00026	-0.03029	0.51383	0.006946	0.881	-0.14767	0.00137	-0.084	0.06973
0.02047	0.005055	0.91325	0.047	0.31082	-0.02276	0.62374	0.102017	0.02749
0.00076	-0.2479	5.70E-08	-0.17277	0.00018	-0.34927	7.62E-15	-0.43359	7.93E-23
0.26803	0.121701	0.00847	0.367209	2.35E-16	0.324176	6.89E-13	0.372224	8.56E-17
3.94E-18	-0.09121	0.04884	0.011632	0.80203	-0.14847	0.00129	-0.17483	0.00015
0.30565	0.006465	0.88919	-0.08914	0.05422	-0.0899	0.0522	-0.02027	0.66221
0.00916	0.015255	0.7423	-0.01174	0.80018	-0.11567	0.01237	0.016938	0.71505
2.05E-12	-0.02324	0.61644	-0.12246	0.00807	-0.07711	0.09604	-0.09421	0.04185
3.86E-11	-0.08378	0.07048	0.024017	0.60468	0.056054	0.22665	-0.10241	0.0269
9.88E-06	-0.09658	0.03695	-0.16563	0.00033	-0.2586	1.43E-08	-0.16765	0.00027
9.40E-07	0.079678	0.08544	0.069098	0.13596	0.098916	0.03259	0.243051	1.05E-07
0.00184	-0.09923	0.03204	-0.1153	0.01265	-0.24145	1.28E-07	-0.19717	1.77E-05
0.00534	0.054889	0.23646	0.100653	0.02964	0.003734	0.93586	0.085638	0.06445
3.33E-10	0.113294	0.0143	-0.03106	0.50316	-0.05831	0.20848	0.13744	0.00292
0.00031	-0.0131	0.77762	-0.1681	0.00026	-0.18492	5.82E-05	-0.12015	0.00935
0.1466	-0.15235	0.00096	0.101913	0.02765	-0.08782	0.05792	-0.12586	0.00646
1.73E-07	0.163111	0.0004	0.13852	0.0027	0.139935	0.00244	0.333471	1.36E-13
0.02264	-0.26218	8.85E-09	-0.16541	0.00033	-0.26488	6.14E-09	-0.32833	3.36E-13
5.95E-05	-0.01952	0.67391	0.040013	0.3883	-0.1311	0.00454	-0.05856	0.20652
6.77E-09	0.002503	0.95699	-0.07525	0.10433	-0.3019	2.69E-11	-0.15289	0.00092
0.27665	-0.10452	0.02389	-0.04321	0.35146	-0.1242	0.00721	-0.06659	0.15076
3.48E-07	0.058334	0.20828	0.061031	0.18798	-0.01389	0.7646	0.146259	0.00153
1.41E-07	0.091762	0.04749	0.106363	0.02151	0.027944	0.54693	0.196485	1.90E-05
1.70E-07	0.025928	0.57623	0.132066	0.00425	0.012877	0.78136	0.065572	0.15714
4.18E-09	0.035661	0.442	0.071523	0.12272	0.046434	0.31668	0.149962	0.00115
4.98E-05	0.034762	0.4536	0.107772	0.01983	0.094452	0.04133	0.193062	2.66E-05
3.16E-06	-0.06522	0.15939	0.034244	0.46036	-0.16061	0.00049	-0.21838	1.90E-06
6.36E-08	0.091101	0.04912	0.083978	0.06981	0.057566	0.21434	0.188098	4.30E-05
6.55E-11	0.053005	0.25296	0.114099	0.01362	0.016891	0.71581	0.154871	0.00078
6.16E-06	0.057962	0.2112	0.102184	0.02724	0.023811	0.60777	0.164006	0.00037
7.14E-11	0.111601	0.01583	0.1111171	0.01624	0.129078	0.00521	0.27421	1.68E-09
0.39185	0.088473	0.05606	0.205279	7.75E-06	0.250124	4.30E-08	0.331525	1.92E-13
0.27751	-0.10275	0.0264	-0.06806	0.14197	-0.1402	0.00239	-0.1232	0.00769
2.08E-06	0.061189	0.18684	-0.04225	0.36231	-0.0771	0.09606	0.010182	0.82629
1.07E-10	0.019095	0.68065	-0.0143	0.75794	-0.15961	0.00054	0.014478	0.75501
0.07013	0.017433	0.70711	0.013433	0.77218	-0.15735	0.00064	0.023689	0.60961
0.00745	-0.01799	0.69816	-0.06747	0.14546	-0.06982	0.13192	0.009211	0.84264

0.02296	0.072896	0.11568	-0.08046	0.08241	-0.13753	0.0029	0.081444	0.07871
1.66E-11	0.004613	0.92081	0.056538	0.22266	-0.16337	0.00039	0.003326	0.94286
0.38931	0.197523	1.71E-05	0.048687	0.29374	-0.00596	0.89777	0.130105	0.00486
0.22171	0.050947	0.27188	-0.03167	0.49484	-0.16848	0.00025	-0.02896	0.53249
1.82E-08	-0.05815	0.20972	0.085072	0.06624	-0.09185	0.04729	-0.05566	0.22996
0.00258	-0.06147	0.18483	-0.06172	0.18306	-0.14584	0.00158	-0.09837	0.03357
0.79666	-0.00335	0.94244	-0.02795	0.54682	-0.07109	0.12499	0.042883	0.35515
3.42E-06	-0.07497	0.10565	-0.04849	0.2957	-0.20021	1.31E-05	-0.1511	0.00106
7.77E-15	-0.16331	0.00039	0.017176	0.71122	-0.16323	0.0004	-0.13167	0.00437
0.0259	-0.03531	0.44645	-0.16377	0.00038	-0.0888	0.05517	-0.13693	0.00303
0.11702	-0.07838	0.09068	-0.01904	0.68156	-0.17186	0.00019	-0.1217	0.00847
0.94757	-0.01936	0.67649	-0.14795	0.00134	-0.31417	3.71E-12	-0.22137	1.36E-06
4.11E-12	-0.10021	0.03036	0.080098	0.0838	-0.11729	0.01119	-0.09773	0.03474
7.66E-06	0.109571	0.01785	0.02789	0.5477	-0.08376	0.07053	0.139608	0.0025
2.59E-06	-0.07366	0.11189	-0.09044	0.05081	-0.02201	0.63515	-0.04537	0.32788
0.19152	0.061921	0.18161	-0.18035	8.89E-05	-0.15196	0.00099	-0.01316	0.77668
6.66E-11	0.006601	0.88686	0.061213	0.18666	-0.03842	0.40741	0.02609	0.57384
5.32E-07	0.033207	0.47406	-0.09975	0.03115	-0.08713	0.05992	-0.03813	0.41102
1.27E-06	-0.0196	0.67269	0.007763	0.86712	-0.13198	0.00428	-0.03452	0.45678
1.90E-07	0.076435	0.09899	0.276835	1.16E-09	0.157334	0.00064	0.297558	5.30E-11
0.2381	0.019416	0.67559	-0.02043	0.6597	-0.10029	0.03023	0.008458	0.85535
0.0034	0.015455	0.73905	0.155562	0.00074	-0.04926	0.28809	0.068512	0.13932
1.20E-06	-0.09339	0.04367	-0.12405	0.00728	0.041008	0.37659	-0.15518	0.00077
3.89E-06	-0.11462	0.0132	-0.20182	1.11E-05	-0.2662	5.13E-09	-0.26093	1.05E-08
2.72E-12	0.011241	0.80856	0.015778	0.73381	-0.05093	0.272	0.045778	0.32357
0.00336	-0.06852	0.1393	0.023357	0.61463	-0.13801	0.0028	-0.07717	0.09578
3.62E-05	0.214193	3.00E-06	0.209338	5.06E-06	0.334111	1.22E-13	0.512955	1.06E-32
1.65E-08	0.108954	0.01851	0.247247	6.20E-08	0.206341	6.94E-06	0.305123	1.61E-11
0.06419	-0.05397	0.24439	0.074201	0.10928	-0.05068	0.27438	-0.00185	0.96813
4.20E-14	0.139779	0.00247	0.115274	0.01268	0.192162	2.91E-05	0.317434	2.16E-12
0.00239	-0.09101	0.04935	0.093716	0.04294	-0.06955	0.1334	-0.06884	0.13741
2.24E-08	0.163176	0.0004	0.073969	0.1104	0.081459	0.07866	0.278141	9.62E-10
0.79114	0.033902	0.46485	0.10524	0.02294	0.137576	0.00289	0.192328	2.86E-05
4.29E-14	-0.13903	0.0026	-0.1082	0.01934	-0.33977	4.40E-14	-0.29563	7.13E-11
0.83751	0.115491	0.01251	0.059319	0.20069	0.099969	0.03078	0.234974	2.80E-07
0.00373	0.030774	0.50707	0.217116	2.18E-06	0.050038	0.28054	0.164029	0.00037
0.00281	0.037055	0.42435	0.050135	0.27961	0.07755	0.09415	0.098276	0.03374
0.45205	0.006903	0.88172	0.01967	0.67158	-0.00105	0.9819	0.011912	0.79739
8.69E-16	0.013857	0.76519	-0.17618	0.00013	-0.18569	5.41E-05	-0.08599	0.06334
2.94E-05	0.090157	0.05153	0.009739	0.83375	0.029796	0.52066	0.136064	0.00322
1.81E-06	0.065484	0.1577	0.050854	0.27276	-0.11978	0.00957	0.03313	0.47509
0.9436	0.040914	0.3777	-0.08813	0.05704	-0.15548	0.00075	-0.03668	0.429
0.05911	-0.03917	0.39835	-0.0288	0.53465	-0.21388	3.11E-06	-0.09248	0.04577
0.10146	0.032848	0.47886	0.239572	1.61E-07	0.262625	8.33E-09	0.316162	2.67E-12
8.04E-09	0.046084	0.32034	0.179837	9.31E-05	0.052628	0.25636	0.159365	0.00055

8.08E-06	0.153114	0.0009	0.183335	6.75E-05	0.366778	2.57E-16	0.462483	3.98E-26
0.11056	-0.10859	0.01891	0.062987	0.17419	-0.13639	0.00314	-0.13256	0.00411
6.51E-14	0.05767	0.21352	0.358276	1.37E-15	0.163607	0.00039	0.292273	1.19E-10
3.41E-07	-0.04476	0.33442	0.018577	0.68885	-0.09835	0.0336	0.002861	0.95084
0.00098	-0.16833	0.00026	0.044201	0.34054	-0.1483	0.00131	-0.07908	0.0878
1.35E-05	-0.00706	0.87909	0.155673	0.00074	-0.05311	0.25205	0.026061	0.57428
0.13994	0.095444	0.03923	-0.07565	0.10254	-0.03612	0.43614	0.114382	0.01339
6.21E-11	0.128535	0.00541	0.054692	0.23815	0.051432	0.26734	0.248181	5.51E-08
5.88E-11	0.004166	0.92846	0.011895	0.79766	-0.13448	0.0036	0.006567	0.88745
5.68E-05	-0.016	0.73023	-0.04407	0.342	-0.10921	0.01824	-0.03483	0.45278
4.85E-07	0.062397	0.17827	0.167205	0.00028	0.097154	0.03583	0.189193	3.88E-05
0.00016	0.204583	8.33E-06	0.05067	0.2745	-0.06801	0.14227	0.204859	8.10E-06
0.06477	0.105619	0.02245	-0.06204	0.18075	-0.12381	0.00739	0.049731	0.2835
0.03242	-0.03466	0.45497	0.0644	0.16471	-0.17572	0.00014	-0.0499	0.28191
2.23E-07	0.164569	0.00036	0.185061	5.74E-05	0.124136	0.00724	0.249011	4.96E-08
4.51E-07	-0.00086	0.98523	0.183994	6.34E-05	0.179796	9.35E-05	0.204812	8.14E-06
0.04902	0.054778	0.23741	0.277844	1.00E-09	0.178328	0.00011	0.192806	2.73E-05
0.04474	-0.04038	0.38392	0.106775	0.02101	-0.02191	0.63666	-0.0024	0.95871
0.00343	-0.17172	0.00019	-0.06324	0.17245	-0.11661	0.01167	-0.10061	0.02971
1.98E-06	0.176309	0.00013	0.078849	0.08875	0.080853	0.08091	0.286066	3.03E-10
0.01481	0.133825	0.00376	-0.00673	0.88471	0.019334	0.67688	0.151013	0.00106
0.28602	-0.0062	0.89362	0.071225	0.12429	0.0103	0.82431	0.078294	0.09103
0.00764	0.051011	0.27128	0.092604	0.04549	0.087133	0.0599	0.099332	0.03186
6.16E-07	0.121718	0.00846	0.178544	0.0001	0.091304	0.04862	0.228271	6.17E-07
0.15084	0.030391	0.51238	-0.05614	0.2259	-0.09982	0.03103	0.052579	0.2568
2.25E-09	0.0119	0.79757	-0.04506	0.33119	-0.04956	0.28518	0.036203	0.43509
0.00107	-0.10015	0.03048	-0.07286	0.11584	-0.28041	6.93E-10	-0.21496	2.76E-06
3.95E-10	0.068098	0.14173	-0.00116	0.98009	-0.05475	0.23767	0.122837	0.00787
0.7356	-0.03331	0.47263	0.19573	2.05E-05	-0.08955	0.05312	-0.08564	0.06442
2.92E-13	-0.07907	0.08785	-0.04286	0.35537	-0.13549	0.00335	-0.14302	0.00195
0.27087	0.125147	0.00677	0.130524	0.00473	0.161956	0.00044	0.256099	1.98E-08
4.30E-08	0.106761	0.02102	0.113105	0.01446	0.036378	0.43288	0.216819	2.25E-06
1.53E-05	-0.0329	0.4781	0.032331	0.4858	-0.10339	0.02546	-0.10753	0.02011
1.41E-12	0.069084	0.13604	0.117908	0.01077	-0.00582	0.90012	0.155436	0.00075
8.98E-09	-0.15519	0.00077	-0.18603	5.24E-05	-0.17573	0.00013	-0.2901	1.66E-10
0.97662	-0.06215	0.18	-0.05107	0.27076	0.03488	0.45207	-0.08195	0.07686
0.13952	0.007143	0.87764	0.030878	0.50563	-0.0443	0.33943	0.020231	0.66278
2.25E-06	0.065605	0.15693	-0.12643	0.00622	-0.16155	0.00046	0.006818	0.88317
2.00E-14	0.003155	0.94579	0.023854	0.60712	-0.11921	0.00993	0.014402	0.75625
0.47418	-0.01427	0.75845	-0.10201	0.0275	-0.25439	2.48E-08	-0.09734	0.03548
2.05E-08	-0.0198	0.66962	0.026723	0.56459	-0.14238	0.00204	0.034178	0.46123
1.12E-11	0.102573	0.02665	0.098696	0.03298	0.059264	0.20111	0.21453	2.89E-06
9.84E-05	0.146617	0.00149	0.027524	0.55297	0.02545	0.58329	0.149421	0.0012
8.86E-11	0.110344	0.01706	0.165685	0.00032	0.424892	6.79E-22	0.380894	1.43E-17
2.23E-07	0.031154	0.50183	0.024168	0.6024	-0.07691	0.09689	0.085635	0.06446

1.15E-08	0.04972	0.28361	0.049915	0.28173	-0.01582	0.73311	0.075223	0.10448
0.01026	0.056226	0.22522	0.036267	0.43428	-0.05858	0.2064	0.083733	0.07064
0.12887	0.066403	0.15194	-0.01797	0.69849	-0.19978	1.36E-05	-0.01244	0.78864
0.08348	0.039528	0.39408	0.35707	1.73E-15	0.342895	2.49E-14	0.318926	1.68E-12
0.02297	-0.16791	0.00027	-0.18764	4.50E-05	-0.31425	3.66E-12	-0.33346	1.36E-13
0.5652	0.021937	0.63632	0.154664	0.0008	0.047822	0.30242	0.112909	0.01464
0.61968	-0.10554	0.02255	-0.24	1.53E-07	-0.29606	6.68E-11	-0.18809	4.31E-05
0.02683	0.026264	0.5713	0.040155	0.38661	0.005326	0.90861	0.112335	0.01515
1.11E-08	0.050392	0.27714	-0.01595	0.73106	0.015848	0.73266	0.151854	0.001
4.92E-05	0.069153	0.13565	0.022049	0.6346	0.003677	0.93683	0.085284	0.06556
0.00011	0.161319	0.00047	0.192171	2.91E-05	0.148968	0.00124	0.331231	2.02E-13
0.31904	0.19758	1.70E-05	0.255279	2.21E-08	0.370185	1.29E-16	0.488862	1.99E-29
2.92E-06	0.044258	0.33992	-0.0591	0.20233	-0.17231	0.00018	-0.0218	0.63844
0.00963	0.089324	0.05373	0.290981	1.45E-10	0.193948	2.44E-05	0.282922	4.81E-10
5.14E-07	0.020702	0.65543	0.002578	0.95569	-0.00808	0.86171	0.072247	0.11897
0.00215	-0.02726	0.55682	-0.04864	0.29426	-0.08342	0.07171	-0.04929	0.28776
5.52E-14	-0.05835	0.20819	0.12352	0.00753	-0.03381	0.466	0.024182	0.6022
8.77E-06	0.006121	0.89504	0.117881	0.01079	0.141099	0.00224	0.172962	0.00017
9.65E-10	0.018965	0.6827	0.07233	0.11854	-0.02825	0.54249	0.037987	0.41279
2.34E-05	0.206817	6.60E-06	0.254211	2.54E-08	0.199049	1.47E-05	0.360037	9.71E-16
1.02E-07	0.017132	0.71193	0.07624	0.09986	-0.0355	0.44403	0.061202	0.18674
9.02E-06	0.132261	0.00419	0.038489	0.40663	0.199776	1.36E-05	0.296824	5.94E-11
1.62E-06	0.189876	3.63E-05	0.083791	0.07044	0.068296	0.14058	0.243333	1.01E-07
4.08E-05	-0.051	0.27135	-0.09951	0.03156	-0.22129	1.37E-06	-0.10123	0.02871
2.50E-12	-0.13187	0.00431	-0.14524	0.00165	-0.08504	0.06635	-0.24399	9.32E-08
0.00059	0.023698	0.60947	-0.03566	0.44207	0.024481	0.59771	0.043286	0.35064
1.84E-06	0.212356	3.66E-06	0.318379	1.84E-12	0.308713	9.06E-12	0.488757	2.06E-29
0.02288	-0.06089	0.18899	-0.09833	0.03363	-0.2571	1.74E-08	-0.10251	0.02674
0.05657	0.033336	0.47235	0.168678	0.00025	0.092551	0.04561	0.199996	1.33E-05
0.007	-0.03895	0.40107	-0.3369	7.39E-14	-0.22014	1.56E-06	-0.24131	1.30E-07
0.98524	-0.04737	0.30702	-0.01409	0.76133	-0.21143	4.05E-06	-0.0806	0.08189
0.02182	0.041071	0.37586	-0.02383	0.60754	0.095426	0.03927	0.206417	6.88E-06
0.09969	-0.08722	0.05966	0.032671	0.48123	-0.11561	0.01242	-0.08467	0.06753
3.23E-05	-0.06542	0.15812	-0.10727	0.02042	-0.06831	0.14052	-0.15525	0.00076
3.22E-07	-0.02801	0.54593	-0.04358	0.34739	-0.1538	0.00085	-0.05256	0.25698
1.26E-05	-0.1415	0.00218	-0.21323	3.33E-06	-0.38483	6.22E-18	-0.36577	3.14E-16
0.00039	0.12032	0.00925	0.038636	0.40484	0.0456	0.32546	0.097394	0.03537
4.66E-05	0.057955	0.21126	0.126468	0.00621	0.039641	0.39272	0.201387	1.16E-05
0.0031	-0.11582	0.01225	0.06118	0.1869	-0.08908	0.0544	-0.09889	0.03264
0.00137	-0.18064	8.65E-05	-0.04875	0.29312	-0.33267	1.57E-13	-0.31874	1.73E-12
0.15265	0.145313	0.00164	-0.01022	0.8256	-0.07805	0.09205	0.022652	0.62536
2.66E-08	0.018363	0.69226	0.097237	0.03567	-0.03377	0.46654	0.075721	0.10219
7.43E-07	0.105439	0.02268	0.02515	0.58773	0.029941	0.51864	0.140917	0.00227
1.10E-08	0.002861	0.95083	0.022626	0.62576	-0.10438	0.02409	0.028577	0.53788
2.49E-09	0.018955	0.68286	-0.09829	0.03371	-0.06612	0.15369	-0.00949	0.83797

2.07E-07	0.124657	0.00699	0.229834	5.15E-07	0.200371	1.28E-05	0.335322	9.80E-14
1.27E-05	-0.07747	0.09447	-0.01536	0.74066	-0.02923	0.52859	0.014545	0.7539
0.00247	0.106927	0.02082	0.059912	0.19622	-0.11099	0.01642	0.002504	0.95696
3.47E-05	-0.03963	0.3928	0.059633	0.19831	-0.08393	0.06998	-0.05235	0.25893
0.41816	0.027514	0.55311	-0.04673	0.31364	-0.12496	0.00686	0.007187	0.87691
4.45E-18	-0.1446	0.00173	-0.05597	0.22736	0.157884	0.00062	-0.04934	0.28727
3.32E-05	-0.08843	0.0562	-0.15542	0.00075	-0.29847	4.60E-11	-0.21955	1.67E-06
0.00051	-0.00525	0.9099	0.10625	0.02165	-0.01075	0.81684	0.033317	0.4726
0.00113	0.247464	6.03E-08	0.26554	5.61E-09	0.090572	0.05046	0.304836	1.69E-11
2.41E-09	0.030733	0.50764	0.151103	0.00105	-0.04181	0.36738	0.09565	0.03881
0.10178	0.068471	0.13956	0.225647	8.35E-07	0.202943	9.87E-06	0.299668	3.82E-11
5.34E-14	0.069691	0.13263	-0.02736	0.55534	-0.02995	0.51855	0.109031	0.01843
6.23E-12	0.048847	0.29217	0.005988	0.89731	-0.04635	0.31752	0.113833	0.01384
0.00122	0.088074	0.05718	-0.1992	1.45E-05	-0.12787	0.00565	-0.11699	0.01141
1.14E-06	0.062976	0.17426	0.080456	0.08242	-0.03679	0.4277	0.144101	0.0018
0.73357	0.098318	0.03366	-0.05716	0.21761	-0.06376	0.16893	0.102255	0.02713
1.90E-10	-0.00488	0.91619	0.049791	0.28292	-0.04775	0.30315	0.03932	0.39657
7.23E-15	0.108648	0.01885	0.096243	0.03761	-0.01919	0.67918	0.171513	0.0002
4.96E-11	-0.00251	0.95681	-0.10099	0.02911	-0.11557	0.01245	-0.07317	0.1143
0.04039	0.083287	0.07215	-0.05357	0.24796	-0.04285	0.35556	0.07902	0.08806
1.64E-07	-0.08358	0.07117	-0.09742	0.03532	-0.21517	2.70E-06	-0.1731	0.00017
0.00015	0.036054	0.43698	0.133811	0.00377	0.067264	0.14669	0.131441	0.00444
0.86215	0.124766	0.00694	0.048045	0.30017	0.170701	0.00021	0.235523	2.62E-07
2.21E-06	0.020077	0.6652	-0.05723	0.21701	-0.10913	0.01833	-0.02535	0.5848
2.86E-11	0.07506	0.10523	-0.14368	0.00185	-0.18139	8.08E-05	-0.06409	0.16677
0.00107	0.020588	0.65721	0.082957	0.07329	0.017158	0.71152	0.119822	0.00955
0.25425	0.019889	0.66815	0.138335	0.00274	0.070611	0.12758	0.160575	0.0005
7.41E-28	-0.00207	0.96445	0.116471	0.01178	-0.02124	0.64713	0.096303	0.03749
0.00328	-0.35297	3.79E-15	-0.15888	0.00057	-0.28041	6.93E-10	-0.33695	7.32E-14
0.00265	-0.09632	0.03746	0.22519	8.80E-07	-0.17772	0.00011	-0.15445	0.00081
0.9993	-0.05789	0.21177	-0.09474	0.0407	-0.1801	9.10E-05	-0.1593	0.00055
0.13405	-0.19116	3.21E-05	0.020206	0.66318	-0.22995	5.07E-07	-0.27401	1.73E-09
0.81716	-0.05754	0.21454	-0.00328	0.94359	-0.13152	0.00441	-0.05728	0.21664
2.06E-07	0.045123	0.33056	0.119742	0.0096	-0.0193	0.67734	0.071815	0.1212
0.53579	0.148123	0.00133	0.150688	0.00109	0.330643	2.24E-13	0.449397	1.36E-24
0.69145	0.120672	0.00905	-0.01142	0.80565	-0.00033	0.99438	0.139228	0.00257
0.00047	-0.03942	0.39541	-0.05349	0.24862	-0.07189	0.12081	-0.03908	0.39945
0.21924	-0.0292	0.52909	0.010786	0.81618	-0.05619	0.2255	-0.01811	0.69622
4.27E-08	0.089161	0.05417	0.072111	0.11966	-0.02224	0.63161	0.103458	0.02537
1.37E-08	0.006881	0.88211	0.192637	2.78E-05	0.031863	0.49214	0.117036	0.01137
8.77E-12	-0.02044	0.65951	0.071665	0.12197	-0.06322	0.1726	0.034782	0.45334
0.00601	-0.00154	0.9736	-0.05617	0.22566	-0.02935	0.52687	0.047569	0.30498
0.76862	-0.06088	0.18908	0.007277	0.87537	-0.12623	0.0063	-0.09716	0.03583
0.0001	0.026394	0.56939	0.08731	0.05939	-0.01571	0.73487	0.070097	0.13038
3.64E-08	-0.12297	0.00781	-0.06763	0.14447	-0.31729	2.21E-12	-0.2393	1.66E-07

3.22E-06	0.001431	0.9754	0.096194	0.03771	-0.06752	0.14516	0.020583	0.65729
2.57E-08	0.072933	0.11549	0.088227	0.05675	-0.08334	0.07196	0.104492	0.02393
0.94221	0.089778	0.05252	0.139402	0.00253	0.12938	0.00511	0.2213	1.37E-06
5.24E-05	-0.0111	0.81088	-0.04456	0.33658	-0.11835	0.01048	-0.07429	0.10885
0.00114	0.105906	0.02208	-0.00522	0.91035	0.024084	0.60366	0.074148	0.10954
1.15E-32	0.120882	0.00893	-0.04501	0.33181	-0.07207	0.11986	0.129788	0.00497
7.98E-08	0.075671	0.10242	0.194783	2.25E-05	0.058958	0.20345	0.170512	0.00021
1.62E-05	0.035837	0.43975	0.132241	0.0042	0.045852	0.3228	0.155473	0.00075
2.44E-11	-9.98E-05	0.99828	0.235692	2.57E-07	0.048385	0.29676	0.083534	0.07131
0.00624	-0.03582	0.43992	0.008952	0.84701	-0.10195	0.0276	-0.00293	0.94971
4.54E-11	0.013659	0.76846	0.086092	0.06304	-0.08561	0.06453	-0.05841	0.20768
3.32E-10	0.004413	0.92423	0.21596	2.48E-06	0.163692	0.00038	0.309081	8.53E-12
2.28E-09	0.048567	0.29494	-0.03179	0.49317	-0.09514	0.03987	-0.01945	0.67511
0.40975	-0.06531	0.1588	-0.01319	0.77617	-0.21801	1.97E-06	-0.10905	0.01841
3.50E-06	-0.2413	1.30E-07	-0.25707	1.75E-08	-0.45786	1.41E-25	-0.44933	1.38E-24
8.44E-05	0.151504	0.00102	0.102379	0.02695	-0.05524	0.23346	0.089172	0.05414
2.81E-06	-0.13144	0.00444	-0.05017	0.27926	-0.25847	1.45E-08	-0.31299	4.51E-12
4.24E-14	0.098589	0.03317	0.062489	0.17763	0.136851	0.00304	0.290071	1.66E-10
4.65E-14	0.091336	0.04854	0.087926	0.05761	0.014199	0.75958	0.10034	0.03016
0.01673	0.016541	0.72145	0.109211	0.01824	0.01539	0.74011	0.108981	0.01848
4.73E-07	-0.02636	0.56993	-0.04176	0.36793	-0.13635	0.00315	-0.03755	0.41822
2.13E-07	0.047066	0.31014	-0.0427	0.3572	-0.21025	4.59E-06	-0.04637	0.31739
1.85E-15	0.138315	0.00274	0.044885	0.33311	0.026023	0.57483	0.19525	2.15E-05
1.32E-09	0.022076	0.63418	0.044904	0.3329	0.039301	0.39679	0.070458	0.12841
4.76E-10	0.00099	0.98299	-0.00953	0.83727	-0.09111	0.0491	0.020665	0.65601
3.11E-09	-0.03456	0.45628	0.003489	0.94006	-0.15021	0.00113	-0.01546	0.73897
0.07163	0.10246	0.02682	0.128181	0.00554	0.233455	3.36E-07	0.34626	1.34E-14
0.00045	-0.17952	9.59E-05	-0.11621	0.01197	-0.19024	3.50E-05	-0.25586	2.05E-08
2.14E-11	0.158468	0.00059	0.156411	0.00069	-0.01952	0.67393	0.165124	0.00034
7.04E-21	0.042286	0.36189	-0.16089	0.00048	-0.14008	0.00241	-0.0066	0.88684
0.55169	0.198763	1.51E-05	0.168789	0.00025	0.261314	9.94E-09	0.351842	4.69E-15
0.08607	0.118922	0.01011	0.086338	0.06229	0.102134	0.02732	0.250263	4.22E-08
0.48326	-0.08656	0.06163	-0.04163	0.3694	0.019296	0.67748	-0.12417	0.00722
0.0003	0.031761	0.49354	0.002194	0.96229	0.014267	0.75846	0.087889	0.05771
2.35E-07	0.11382	0.01385	0.011589	0.80276	0.184384	6.12E-05	0.170483	0.00021
3.67E-09	0.028862	0.53383	0.028974	0.53225	0.073392	0.11322	0.143687	0.00185
0.0024	0.089207	0.05405	-0.01874	0.68633	-0.06175	0.18281	0.106534	0.0213
1.64E-05	0.032659	0.4814	-0.05486	0.23672	-0.06884	0.13743	0.112939	0.01461
0.11606	0.112052	0.01541	0.170172	0.00022	0.15866	0.00058	0.282643	5.01E-10
0.01098	-0.02388	0.60676	-0.06161	0.18379	-0.16761	0.00027	-0.09626	0.03758
1.69E-08	-0.16582	0.00032	-0.11208	0.01539	0.05028	0.27822	-0.23127	4.35E-07
0.94717	-0.02304	0.61944	-0.11742	0.0111	-0.19272	2.75E-05	-0.11701	0.01139
0.24129	-0.05672	0.2212	0.085633	0.06446	-0.11425	0.01349	-0.06765	0.1444
4.83E-08	-0.13183	0.00432	0.010673	0.81807	-0.25394	2.63E-08	-0.24197	1.20E-07
3.78E-09	0.014622	0.75264	-0.11372	0.01393	-0.18081	8.52E-05	-0.07261	0.1171



3.87E-06	0.104157	0.02439	0.110244	0.01716	-0.07341	0.11315	0.139405	0.00253
0.08295	0.043573	0.34746	0.172779	0.00018	0.085341	0.06538	0.159055	0.00056
0.18952	-0.28639	2.89E-10	0.234423	2.99E-07	0.183846	6.43E-05	0.119411	0.0098
1.34E-06	0.027701	0.55042	0.042006	0.36508	-0.14911	0.00123	0.045789	0.32346
5.16E-05	0.01349	0.77124	-0.08271	0.07417	-0.17012	0.00022	-0.00588	0.89915
0.01715	0.002058	0.96463	0.01168	0.80125	-0.02242	0.62886	0.037287	0.42145
3.35E-07	0.077039	0.09635	-0.01196	0.7966	-0.07507	0.10519	0.100154	0.03046
0.00073	0.102073	0.02741	0.026807	0.56336	0.043406	0.34931	0.204834	8.12E-06
0.00011	0.133146	0.00395	0.069119	0.13584	-0.00871	0.85105	0.183364	6.73E-05
8.54E-12	0.229782	5.18E-07	0.185464	5.53E-05	0.213175	3.35E-06	0.381244	1.33E-17
0.07932	0.074685	0.10699	-0.10136	0.02851	-0.11257	0.01494	0.045896	0.32232
0.00011	-0.08493	0.06669	-0.10168	0.02801	-0.26329	7.62E-09	-0.21657	2.32E-06
1.40E-13	0.039524	0.39412	-0.05106	0.27084	-0.14719	0.00142	0.028788	0.53488
0.12558	-0.07425	0.10906	-0.05251	0.25747	-0.12813	0.00556	-0.15825	0.0006
0.00152	-0.11877	0.01021	-0.12084	0.00895	-0.18631	5.10E-05	-0.22981	5.16E-07
0.0035	0.124054	0.00727	0.063378	0.17153	0.142034	0.00209	0.267417	4.34E-09
0.88178	0.025821	0.5778	-0.07012	0.13024	-0.14969	0.00118	0.00141	0.97575
5.66E-23	0.099185	0.03212	0.107381	0.02029	0.023428	0.61356	0.179137	9.93E-05
1.50E-07	0.098475	0.03337	0.051549	0.26625	-0.02477	0.59333	0.159195	0.00055
6.00E-18	0.177957	0.00011	0.072158	0.11942	0.069216	0.13529	0.267809	4.11E-09
0.92849	0.094299	0.04166	0.156081	0.00071	0.15264	0.00094	0.182536	7.26E-05
0.33347	-0.04343	0.34903	-0.08907	0.05441	-0.18243	7.34E-05	-0.16363	0.00038
0.0049	-0.03394	0.46435	0.023516	0.61223	-0.04847	0.29593	0.022576	0.62653
1.02E-05	0.029556	0.52404	0.073488	0.11275	0.05909	0.20244	0.13164	0.00438
0.14941	-0.06992	0.13135	-0.07048	0.12826	-0.17692	0.00012	-0.15464	0.0008
2.09E-13	0.008097	0.86147	-0.00997	0.82989	-0.05948	0.19945	-0.02734	0.55562
6.45E-07	-0.00729	0.87523	0.038308	0.40884	-0.00742	0.87296	0.008168	0.86026
4.43E-05	-0.00471	0.91912	0.181486	8.01E-05	0.124493	0.00707	0.234743	2.88E-07
0.01292	-0.00892	0.84752	-0.04153	0.37052	0.005541	0.90494	0.060883	0.18905
0.97151	0.097273	0.0356	0.078623	0.08967	0.022746	0.62393	0.174738	0.00015
1.05E-19	0.049294	0.28776	0.011668	0.80144	0.039107	0.39913	0.11238	0.01511
0.96293	0.09341	0.04363	-0.09668	0.03674	-0.08507	0.06624	0.055105	0.23462
2.06E-07	-0.05746	0.21523	0.084204	0.06906	-0.08146	0.07866	-0.04366	0.34651
3.31E-07	-0.13166	0.00437	-0.01053	0.82052	0.025554	0.58175	-0.14637	0.00152
5.78E-18	0.025592	0.58118	-0.07666	0.09799	-0.22713	7.04E-07	-0.11757	0.011
5.50E-10	0.050217	0.27882	0.158835	0.00057	-7.46E-05	0.99872	0.136222	0.00318
2.96E-05	-0.05139	0.26775	-0.01679	0.71749	-0.0122	0.79251	0.021285	0.64638
0.47151	0.053454	0.24896	0.018869	0.68423	0.078769	0.08908	0.177048	0.00012
0.00179	0.085863	0.06374	0.039312	0.39666	0.108769	0.01871	0.170169	0.00022
0.44481	-0.06858	0.13891	-0.22127	1.37E-06	-0.20178	1.11E-05	-0.1949	2.22E-05
5.07E-10	0.13501	0.00346	0.192857	2.72E-05	0.146642	0.00148	0.253589	2.75E-08
1.09E-11	-0.08557	0.06465	-0.02109	0.64948	-0.21486	2.79E-06	-0.175	0.00014
0.00054	0.262545	8.42E-09	0.098818	0.03276	0.169783	0.00023	0.310542	6.73E-12
0.01827	0.072322	0.11858	-0.15054	0.0011	-0.12724	0.0059	0.017551	0.70522
0.00225	0.189096	3.91E-05	-0.03158	0.49596	0.056773	0.22074	0.19522	2.15E-05

0.00136	0.08457	0.06786	0.053953	0.24456	-0.08388	0.07015	0.001023	0.98241
0.18696	-0.01535	0.74073	-0.22596	8.06E-07	-0.26276	8.18E-09	-0.15684	0.00067
0.00574	-0.09155	0.048	0.056082	0.22642	-0.15141	0.00103	-0.14201	0.0021
2.69E-21	0.04125	0.37379	0.156693	0.00068	0.021333	0.64565	0.124561	0.00704
0.01462	-0.13707	0.003	0.043054	0.35323	-0.16753	0.00028	-0.10112	0.02888
0.00105	0.000213	0.99634	0.016802	0.71724	-0.06031	0.19325	0.012709	0.78415
3.72E-13	0.066469	0.15153	0.149814	0.00117	-0.00412	0.92916	0.138001	0.0028
6.80E-05	0.119485	0.00975	-0.09964	0.03134	0.000886	0.98477	0.145857	0.00158
0.01646	-0.10176	0.02789	0.037356	0.4206	-0.1728	0.00018	-0.12811	0.00556
3.62E-07	0.05778	0.21264	0.112563	0.01494	-0.05343	0.24913	0.134653	0.00355
0.34293	0.07616	0.10022	0.36355	4.87E-16	0.228964	5.69E-07	0.339605	4.54E-14
3.82E-09	0.025312	0.58532	0.023613	0.61077	0.040799	0.37903	0.121738	0.00845
0.73425	-0.03096	0.50447	-0.02513	0.58803	-0.00225	0.96131	-0.09761	0.03496
2.78E-08	-0.06276	0.17577	0.033095	0.47556	-0.02827	0.54225	0.042775	0.35637
2.53E-06	0.074932	0.10583	0.002786	0.95211	-0.0494	0.28674	0.036953	0.42563
2.08E-07	0.028786	0.53491	0.074136	0.1096	0.035469	0.44446	0.111607	0.01582
1.39E-06	0.132551	0.00411	0.076948	0.09674	-0.14552	0.00162	-0.07289	0.11572
0.60095	-0.10086	0.0293	-0.04663	0.31466	-0.04938	0.28695	-0.0973	0.03556
0.00067	-0.097	0.03613	-0.16263	0.00042	-0.23738	2.10E-07	-0.20144	1.15E-05
1.38E-05	0.139534	0.00251	0.00403	0.93079	0.045716	0.32423	0.177303	0.00012
5.02E-05	0.014045	0.7621	-0.11724	0.01123	-0.18133	8.12E-05	-0.17803	0.00011
0.02824	-0.04342	0.34918	-0.1031	0.02588	-0.2748	1.55E-09	-0.15606	0.00071
1.59E-09	0.059061	0.20266	0.067557	0.14493	-0.06691	0.14886	0.087673	0.05833
0.011	-0.02949	0.52491	-0.01207	0.79477	-0.06936	0.13448	-0.01844	0.6911
0.00802	0.021551	0.64228	0.04307	0.35305	-0.14711	0.00143	0.030596	0.50952
0.37861	0.149962	0.00115	0.166606	0.0003	0.259506	1.27E-08	0.395893	5.66E-19
0.08104	0.025887	0.57683	-0.06042	0.19244	-0.24986	4.45E-08	-0.13015	0.00485
0.00792	-0.06696	0.14852	0.002196	0.96225	-0.13462	0.00356	-0.07624	0.09986
0.14837	0.003283	0.9436	-0.13618	0.00319	-0.12775	0.0057	-0.00928	0.84142
1.31E-06	0.091986	0.04695	-0.09317	0.04418	-0.00437	0.92498	0.143515	0.00188
0.06927	0.07671	0.09778	0.006502	0.88856	-0.03554	0.44354	0.142135	0.00208
0.00696	0.097193	0.03576	0.019018	0.68187	-0.06502	0.16065	0.080512	0.0822
8.59E-05	-0.00605	0.89619	0.014015	0.7626	-0.1837	6.52E-05	-0.0825	0.07489
0.02282	0.056521	0.2228	0.11634	0.01187	0.03422	0.46068	0.112396	0.01509
6.94E-10	0.081314	0.07919	0.221921	1.28E-06	0.167642	0.00027	0.293005	1.07E-10
1.54E-05	0.158815	0.00057	-0.04894	0.29125	-0.07399	0.11029	0.090217	0.05137
5.78E-08	0.09803	0.03419	0.012609	0.7858	-0.05115	0.26999	0.105744	0.02229
0.06907	-0.01332	0.77404	-0.05301	0.25295	-0.05509	0.23479	-0.03266	0.48134
2.42E-05	0.08684	0.06077	0.090616	0.05035	0.006265	0.89259	0.176279	0.00013
0.00706	0.140925	0.00227	0.043329	0.35016	0.087602	0.05854	0.239548	1.61E-07
5.63E-17	0.055891	0.228	-0.08418	0.06915	-0.09894	0.03255	-0.00981	0.83263
0.05957	0.00079	0.98642	0.068122	0.14159	-0.01582	0.73311	0.025289	0.58567
0.00194	-0.10009	0.03057	0.041643	0.36924	-0.04608	0.32044	-0.0595	0.19931
2.78E-06	0.011363	0.80653	0.111916	0.01554	0.078084	0.0919	0.111835	0.01561
1.12E-09	0.081391	0.0789	0.039799	0.39084	0.023168	0.6175	0.151809	0.001

0.00609	-0.03181	0.49288	-0.06615	0.15351	-0.14132	0.00221	-0.02313	0.61809
0.01422	-0.10209	0.02739	0.032786	0.47969	-0.2345	2.96E-07	-0.17484	0.00015
7.82E-05	0.003741	0.93574	0.153021	0.00091	0.028608	0.53744	0.081604	0.07812
0.04119	-0.09789	0.03445	-0.01086	0.81495	-0.12493	0.00687	-0.11392	0.01377
5.97E-09	-0.10329	0.0256	-0.04169	0.36867	-0.2189	1.79E-06	-0.18	9.17E-05
0.50707	-0.11809	0.01065	-0.04679	0.31299	-0.18815	4.28E-05	-0.12783	0.00567
1.34E-06	0.091645	0.04778	0.206471	6.84E-06	0.194505	2.31E-05	0.254311	2.51E-08
0.00426	0.056481	0.22312	0.017002	0.71402	-0.08244	0.07513	0.037685	0.41651
5.38E-12	0.074291	0.10886	0.114342	0.01342	-0.00207	0.96438	0.161978	0.00044
0.72635	0.063501	0.17069	0.048409	0.29651	-0.01248	0.78795	0.071612	0.12225
4.42E-06	0.105319	0.02283	0.244178	9.11E-08	0.046182	0.31932	0.244391	8.87E-08
1.51E-05	0.040435	0.3833	0.135122	0.00344	-0.0256	0.58109	0.126483	0.0062
0.99519	0.187234	4.67E-05	0.183084	6.90E-05	0.201664	1.13E-05	0.338739	5.30E-14
0.13793	0.035685	0.44169	0.016359	0.72439	-0.01574	0.73443	0.098137	0.03399
9.75E-07	0.06745	0.14557	0.076203	0.10002	0.069999	0.13092	0.178081	0.00011
5.90E-06	0.036356	0.43314	0.080889	0.08077	0.052796	0.25484	0.11573	0.01233
3.98E-05	0.091655	0.04775	0.01269	0.78447	-0.10293	0.02613	0.096603	0.0369
7.87E-08	-0.02495	0.59071	0.006108	0.89527	-0.14434	0.00176	-0.0523	0.2593
1.93E-06	0.091091	0.04915	0.04747	0.306	0.10308	0.02591	0.242007	1.19E-07
1.39E-09	0.026538	0.56728	-0.01801	0.69795	-0.12814	0.00555	-0.02596	0.57577
1.69E-19	0.023263	0.61607	0.205171	7.84E-06	0.066728	0.14994	0.17362	0.00016
1.54E-09	0.045007	0.3318	0.002447	0.95794	-0.10528	0.02288	0.028644	0.53692
0.09787	-0.06154	0.18428	0.062466	0.17779	-0.08831	0.05651	-0.03286	0.47867
3.64E-08	-0.06249	0.17763	-0.02124	0.64713	-0.16706	0.00029	-0.08076	0.08125
0.80911	0.028445	0.53976	-0.12559	0.00658	-0.20119	1.18E-05	-0.08394	0.06993
0.0354	-0.03667	0.42923	0.018289	0.69343	-0.04827	0.29793	0.036218	0.43489
0.57116	-0.066	0.15446	-0.12411	0.00725	-0.1778	0.00011	-0.14772	0.00137
0.14026	-0.08078	0.08118	0.060386	0.1927	-0.13532	0.00339	-0.09252	0.04569
6.09E-07	0.067809	0.14343	0.203772	9.06E-06	0.142922	0.00196	0.213434	3.26E-06
1.04E-10	0.155158	0.00077	0.060618	0.19099	-0.0118	0.79922	0.147574	0.00138
1.66E-07	-0.00654	0.88793	0.232017	3.98E-07	-0.01794	0.69907	0.099628	0.03135
0.11822	-0.0125	0.78759	-0.15144	0.00103	-0.24831	5.42E-08	-0.11224	0.01524
3.46E-12	0.051199	0.26951	0.244235	9.04E-08	0.077252	0.09542	0.18825	4.24E-05
0.94141	0.086788	0.06093	0.104253	0.02426	-0.01916	0.6796	0.099015	0.03241
0.00023	0.09829	0.03371	0.064381	0.16483	-0.10876	0.01872	0.053491	0.24863
1.06E-17	0.074903	0.10596	-0.00128	0.97796	-0.06681	0.14941	0.072571	0.11732
0.00133	0.030045	0.51719	0.000723	0.98757	-0.07842	0.09053	0.04282	0.35586
0.00092	0.004727	0.91886	0.101204	0.02876	0.00018	0.99691	0.057743	0.21293
6.09E-05	0.026625	0.56602	0.144995	0.00168	0.078953	0.08833	0.174189	0.00015
0.00036	-0.05284	0.25443	-0.11141	0.01601	0.036682	0.42903	-0.13608	0.00321
2.08E-09	-0.01717	0.71139	0.108849	0.01863	-0.02389	0.60663	0.07695	0.09673
1.32E-07	-0.03718	0.42284	-0.03307	0.47589	-0.18012	9.08E-05	-0.04615	0.31961
2.01E-17	-0.07307	0.11482	0.024999	0.58998	-0.20652	6.81E-06	-0.12791	0.00564
0.89752	-0.02272	0.62439	-0.01023	0.82544	-0.05551	0.23123	0.003901	0.933
0.0001	-0.19189	2.99E-05	-0.04985	0.28238	0.021892	0.63701	-0.17941	9.69E-05

0.24592	-0.08711	0.05997	-0.07594	0.10122	-0.21123	4.13E-06	-0.16622	0.00031
1.13E-07	0.101826	0.02778	0.200231	1.30E-05	0.106033	0.02192	0.262391	8.60E-09
7.11E-14	0.011885	0.79783	0.049532	0.28544	-0.0636	0.17	0.047823	0.3024
0.00242	-0.13539	0.00337	-0.10777	0.01983	-0.21942	1.69E-06	-0.15275	0.00093
0.01251	0.077469	0.0945	0.261046	1.03E-08	0.286424	2.87E-10	0.385127	5.84E-18
0.43418	0.191834	3.00E-05	0.185221	5.65E-05	0.105613	0.02245	0.278547	9.07E-10
0.00193	-0.10134	0.02855	-0.08694	0.06049	-0.32533	5.66E-13	-0.23257	3.73E-07
0.0006	0.04539	0.32769	-0.11795	0.01074	0.012002	0.79589	-0.03003	0.51742
5.38E-09	-0.06713	0.14749	-0.16422	0.00037	-0.13051	0.00473	-0.25408	2.58E-08
0.00113	-0.00637	0.89088	-0.07847	0.09029	-0.23111	4.43E-07	-0.05365	0.24723
5.84E-05	-0.01149	0.8044	0.142798	0.00198	0.020236	0.66271	0.11799	0.01071
3.94E-10	0.014152	0.76035	-0.00717	0.87721	-0.18789	4.39E-05	0.01115	0.81009
1.68E-08	0.056975	0.21909	0.011591	0.80273	-0.03839	0.40785	0.074206	0.10926
0.3749	0.094722	0.04075	-0.10542	0.0227	-0.26099	1.04E-08	-0.0822	0.07595
1.88E-07	-0.02151	0.6429	0.156648	0.00068	0.003576	0.93856	0.118522	0.01036
0.75224	-0.21276	3.51E-06	0.02389	0.60658	-0.24108	1.34E-07	-0.32001	1.40E-12
7.11E-14	0.112831	0.01471	-0.01205	0.79509	0.015033	0.74593	0.157583	0.00063
1.79E-22	-0.00147	0.97477	-0.09525	0.03963	0.009899	0.83106	-0.05351	0.24848
0.7953	-0.12957	0.00504	-0.03041	0.51209	-0.25252	3.16E-08	-0.26645	4.96E-09
1.94E-05	-0.06535	0.15855	-0.08946	0.05337	-0.24391	9.41E-08	-0.14451	0.00174
0.07679	-0.11118	0.01623	-0.08936	0.05364	-0.18538	5.57E-05	-0.12109	0.00881
0.23312	-0.06101	0.18814	0.073793	0.11126	-0.22079	1.45E-06	-0.07632	0.09951
0.68975	-0.05252	0.25732	-0.10381	0.02487	-0.20262	1.02E-05	-0.09501	0.04013
1.10E-11	-0.05181	0.26382	0.084252	0.0689	-0.10626	0.02164	0.007248	0.87587
4.02E-14	0.147436	0.0014	0.01224	0.79193	0.09701	0.03611	0.276688	1.18E-09
0.01119	0.089499	0.05326	0.172869	0.00017	0.124374	0.00712	0.244334	8.93E-08
1.08E-10	0.032938	0.47765	0.07491	0.10593	0.032664	0.48132	0.129982	0.0049
0.00167	0.037282	0.42151	0.097826	0.03456	-0.02876	0.53533	0.082611	0.0745
0.00023	0.074434	0.10818	0.05636	0.22412	0.227259	6.94E-07	0.18527	5.63E-05
0.00078	-0.1217	0.00847	-0.08881	0.05512	-0.29694	5.83E-11	-0.23329	3.43E-07
0.00114	-0.04245	0.36007	0.01228	0.79126	-0.11244	0.01506	-0.02237	0.6297
0.01807	0.009615	0.83582	0.046673	0.31419	-0.07704	0.09633	0.004947	0.91508
0.00043	0.060187	0.19417	0.086024	0.06325	-0.06261	0.17676	0.077547	0.09416
0.00018	-0.06807	0.14192	-0.01353	0.77051	-0.18772	4.46E-05	-0.06994	0.13125
3.16E-12	-0.07909	0.08779	0.169571	0.00023	-0.02406	0.60406	0.026073	0.5741
0.00482	-0.0434	0.34936	0.007568	0.87043	-0.13531	0.00339	-0.10146	0.02836
8.78E-07	0.097209	0.03572	0.175084	0.00014	0.077546	0.09417	0.228673	5.89E-07
0.00978	0.032635	0.48171	0.109319	0.01812	0.091625	0.04783	0.059945	0.19597
2.38E-06	0.017623	0.70407	0.041442	0.37156	0.025314	0.5853	0.133442	0.00387
0.00797	0.0978	0.03461	0.166715	0.0003	0.280081	7.27E-10	0.376584	3.50E-17
1.12E-06	0.140338	0.00237	0.289106	1.92E-10	0.262647	8.31E-09	0.435556	4.83E-23
0.00017	-0.07893	0.0884	-0.07373	0.11155	-0.08038	0.0827	-0.16923	0.00024
3.37E-06	0.125926	0.00643	0.011941	0.7969	0.031811	0.49285	0.216746	2.27E-06
0.00049	0.093703	0.04297	0.057549	0.21448	0.126396	0.00624	0.2244	9.63E-07
2.74E-06	0.046375	0.3173	0.147932	0.00135	-0.04492	0.33269	0.114637	0.01318

3.47E-05	0.056437	0.22349	0.15094	0.00107	0.116925	0.01145	0.204561	8.35E-06
4.92E-10	0.069562	0.13334	0.124903	0.00688	-0.16133	0.00047	-0.03799	0.41276
8.41E-18	0.138492	0.00271	0.166123	0.00031	0.045313	0.32852	0.247521	5.99E-08
0.26764	0.060203	0.19405	0.102575	0.02665	0.134474	0.0036	0.252922	3.00E-08
0.06876	-0.10895	0.01851	-0.20526	7.77E-06	-0.17056	0.00021	-0.30071	3.24E-11
1.44E-09	-0.1278	0.00568	0.021536	0.6425	-0.1511	0.00106	-0.1198	0.00956
1.12E-10	-0.07796	0.0924	-0.09558	0.03894	-0.2035	9.32E-06	-0.18159	7.93E-05
0.00042	-0.02033	0.66131	-0.13198	0.00428	-0.21124	4.13E-06	-0.16649	0.0003
1.88E-05	-0.11735	0.01115	-0.07692	0.09684	-0.27733	1.08E-09	-0.17134	0.0002
1.81E-16	0.015944	0.73111	0.034974	0.45085	-0.09218	0.04649	0.023483	0.61272
0.03427	0.096262	0.03757	0.116137	0.01202	0.117981	0.01072	0.254264	2.52E-08
4.32E-06	-0.0704	0.12872	-0.08551	0.06483	-0.05806	0.21043	-0.12134	0.00867
0.50945	-0.00028	0.99527	-0.06699	0.14834	-0.14244	0.00203	-0.07793	0.09256
4.55E-13	0.14634	0.00152	0.186945	4.80E-05	0.103893	0.02475	0.324999	5.98E-13
9.68E-11	-0.1045	0.02392	-0.11234	0.01515	-0.1118	0.01564	-0.11762	0.01097
1.83E-25	0.056695	0.22137	0.044324	0.3392	-0.19041	3.45E-05	0.003693	0.93656
1.76E-13	-0.09985	0.03098	-0.07077	0.12674	-0.20398	8.87E-06	-0.15019	0.00113
0.00082	-0.02408	0.60371	-0.00995	0.83019	-0.20976	4.83E-06	-0.08206	0.07646
0.57285	-0.08102	0.08028	0.023296	0.61556	-0.17007	0.00022	-0.23318	3.47E-07
0.00084	-0.09499	0.04017	-0.03617	0.43547	-0.27945	7.96E-10	-0.2535	2.79E-08
0.27799	-0.18166	7.88E-05	0.101091	0.02894	-0.10606	0.02189	-0.18314	6.87E-05
0.00069	-0.09129	0.04865	0.033007	0.47673	-0.08746	0.05895	-0.10745	0.02021
1.55E-11	0.001632	0.97195	-0.0131	0.77763	0.016423	0.72335	0.001659	0.97147
0.22683	-0.0912	0.04888	-0.14097	0.00226	-0.20831	5.64E-06	-0.18662	4.95E-05
0.08838	0.076078	0.10058	0.107876	0.01971	-0.04807	0.29993	-0.0731	0.11467
0.77101	0.27628	1.25E-09	0.42819	3.03E-22	0.421336	1.60E-21	0.531467	2.11E-35
8.35E-07	0.058063	0.2104	0.195456	2.10E-05	-0.02741	0.55461	0.152626	0.00094
0.00041	-0.06323	0.17256	-0.0089	0.84783	-0.09878	0.03283	-0.07883	0.08883
6.08E-05	-0.16575	0.00032	-0.02909	0.53055	-0.18979	3.66E-05	-0.2516	3.56E-08
0.00329	0.039453	0.39497	0.147577	0.00138	0.008005	0.86303	0.096377	0.03734
0.29085	0.115221	0.01272	0.355536	2.32E-15	0.284473	3.83E-10	0.329855	2.58E-13
0.00039	0.107734	0.01988	0.231292	4.34E-07	0.116912	0.01146	0.194399	2.34E-05
0.17779	0.097988	0.03426	0.291046	1.44E-10	0.166474	0.0003	0.186121	5.19E-05
0.00281	-0.01142	0.80552	0.104573	0.02382	-0.17605	0.00013	-0.1113	0.01612
6.73E-09	0.067763	0.14371	0.200564	1.26E-05	0.090527	0.05057	0.106939	0.02081
0.63052	0.016708	0.71876	0.13888	0.00263	-0.02585	0.57736	-0.01622	0.72661
0.04702	-0.07742	0.0947	0.333833	1.28E-13	0.062307	0.1789	0.086371	0.06218
0.00019	0.146637	0.00149	0.132958	0.004	0.006292	0.89214	0.175712	0.00014
0.13663	-0.00177	0.96955	0.172357	0.00018	0.052728	0.25546	0.065277	0.15902
0.02459	0.026914	0.56181	0.118025	0.01069	-0.05366	0.24718	0.024722	0.59411
0.00124	-0.03275	0.48012	-0.25907	1.34E-08	-0.13849	0.00271	-0.18544	5.54E-05
2.66E-08	-0.03814	0.41093	-0.01601	0.73007	-0.092	0.04691	-0.03702	0.42477
7.01E-05	0.049796	0.28287	0.000584	0.98996	-0.05855	0.20662	-0.04269	0.35737
4.44E-12	0.112572	0.01494	0.089004	0.0546	0.046556	0.31541	0.12049	0.00915
0.00509	-0.09951	0.03155	0.119079	0.01001	0.040167	0.38647	-0.04625	0.31856

0.01275	-0.088	0.05739	0.104453	0.02398	-0.05616	0.22579	-0.08028	0.08308
0.00066	0.069014	0.13644	0.090803	0.04987	0.015651	0.73586	0.111884	0.01557
0.275	0.028639	0.53699	0.110566	0.01684	-0.03016	0.51561	0.087426	0.05905
1.59E-06	0.135202	0.00342	0.379161	2.05E-17	0.284938	3.58E-10	0.389525	2.27E-18
3.00E-16	0.058391	0.20784	0.114992	0.0129	-0.01424	0.75893	0.061337	0.18577
0.18427	-0.09562	0.03886	0.052678	0.25591	-0.21755	2.08E-06	-0.19229	2.87E-05
0.01983	-0.07382	0.1111	0.095811	0.03848	-0.12352	0.00753	-0.11528	0.01267
0.09741	0.000255	0.99561	0.069479	0.13381	-0.06075	0.19	-0.06441	0.16462
3.87E-06	-0.03242	0.4846	-0.05406	0.24366	-0.13096	0.00459	-0.11515	0.01277
0.00298	0.092816	0.04499	0.098916	0.03259	-0.01347	0.77157	0.098098	0.03406
0.08644	0.162563	0.00042	0.203302	9.51E-06	0.150054	0.00114	0.296702	6.05E-11
0.01259	0.019259	0.67805	-0.05728	0.21667	-0.07972	0.08528	0.011458	0.80494
7.18E-07	0.019135	0.68001	-0.19277	2.74E-05	-0.10971	0.0177	-0.09485	0.04047
0.55624	0.104049	0.02454	0.257073	1.75E-08	0.142277	0.00206	0.220003	1.58E-06
0.71317	-0.03144	0.49792	0.159406	0.00054	0.081736	0.07764	0.070186	0.12989
0.1413	0.029172	0.52945	0.069026	0.13637	-0.03586	0.43944	0.064208	0.16598
0.30605	0.058742	0.20512	0.29398	9.19E-11	0.084923	0.06671	0.218163	1.94E-06
0.03939	0.078766	0.08909	0.138295	0.00274	0.04113	0.37517	0.110184	0.01722
0.63549	0.064745	0.16246	0.188953	3.97E-05	0.033585	0.46905	0.125584	0.00658
0.00394	0.103633	0.02512	0.212199	3.73E-06	0.084546	0.06794	0.208885	5.31E-06
0.5072	0.057083	0.21822	0.181092	8.30E-05	0.190725	3.34E-05	0.257381	1.68E-08
0.00146	0.085267	0.06561	-0.07727	0.09533	-0.08168	0.07784	-0.06605	0.15415
0.3105	0.084641	0.06763	0.189588	3.73E-05	0.082445	0.07509	0.166884	0.00029
0.11094	0.028897	0.53333	0.119488	0.00975	0.016178	0.72732	0.027641	0.55129
0.31907	0.046024	0.32098	0.117037	0.01137	0.037572	0.41792	0.10709	0.02063
0.60179	0.02574	0.57899	0.018683	0.68718	-0.21378	3.14E-06	-0.0849	0.0668
0.04461	0.27085	2.70E-09	0.212163	3.74E-06	0.364595	3.96E-16	0.473007	2.08E-27
0.00264	0.127153	0.00593	0.22621	7.83E-07	0.325224	5.76E-13	0.29645	6.29E-11
0.0066	-0.07506	0.10524	0.087779	0.05803	-0.13732	0.00294	-0.10129	0.02862
1.82E-14	-0.03014	0.51582	-0.04532	0.32841	-0.09541	0.03931	-0.09647	0.03716
0.0018	0.057355	0.21603	-0.04419	0.34067	-0.09839	0.03352	0.067396	0.1459
0.25201	0.059095	0.2024	0.249873	4.44E-08	0.125735	0.00651	0.18502	5.76E-05
0.62004	0.132723	0.00406	0.139555	0.00251	0.082294	0.07563	0.193694	2.50E-05
0.04293	-0.22067	1.47E-06	-0.04758	0.30486	-0.21571	2.55E-06	-0.24327	1.02E-07
0.00499	0.063975	0.16752	0.212561	3.58E-06	0.21996	1.59E-06	0.219604	1.65E-06
0.0002	0.061573	0.18408	0.148893	0.00125	-0.03689	0.42648	0.090062	0.05177
0.86706	-0.05579	0.22883	-0.1135	0.01412	0.00579	0.9007	-0.08975	0.0526
0.00817	0.054689	0.23818	0.093556	0.0433	0.032406	0.4848	0.087797	0.05798
0.0036	0.115584	0.01244	0.166099	0.00031	0.074865	0.10614	0.224012	1.01E-06
2.95E-12	0.101231	0.02871	0.133371	0.00388	0.067896	0.14292	0.158812	0.00057
0.20768	0.058599	0.20622	0.157378	0.00064	0.050509	0.27603	0.122667	0.00796
0.00012	-0.14392	0.00182	0.045692	0.32448	-0.06689	0.14892	-0.19046	3.43E-05
0.16513	0.172372	0.00018	-0.1621	0.00044	0.015135	0.74427	0.030528	0.51048
0.0744	0.050423	0.27685	0.337192	7.01E-14	0.261891	9.20E-09	0.23601	2.47E-07
6.00E-09	0.10421	0.02432	0.247869	5.73E-08	0.079531	0.08602	0.15771	0.00063

0.00243	0.02188	0.6372	0.076442	0.09896	-0.04109	0.37568	0.005956	0.89786
3.72E-08	-0.10464	0.02373	0.020322	0.66136	-0.18298	6.97E-05	-0.18178	7.79E-05
0.00029	0.146907	0.00146	0.329159	2.91E-13	0.238484	1.84E-07	0.34668	1.24E-14
6.54E-05	0.148787	0.00126	0.236603	2.30E-07	0.094575	0.04106	0.272448	2.16E-09
0.00049	-0.03533	0.44626	0.001115	0.98083	-0.07124	0.12423	-0.05704	0.21859
0.00014	-0.06296	0.17441	0.255228	2.22E-08	0.013239	0.77537	0.014524	0.75424
1.02E-06	-0.11102	0.01639	0.043447	0.34885	-0.08589	0.06367	-0.1243	0.00716
0.00201	0.02378	0.60825	0.057349	0.21608	-0.12683	0.00606	-0.02753	0.55285
0.08755	0.214134	3.02E-06	0.31244	4.93E-12	0.25712	1.73E-08	0.445275	4.00E-24
0.04466	-0.11699	0.0114	0.104032	0.02456	-0.15201	0.00098	-0.14405	0.0018
0.09723	0.057477	0.21506	0.023292	0.61562	-0.07715	0.09586	0.020506	0.65849
0.01402	0.114848	0.01301	0.165235	0.00034	0.155565	0.00074	0.118871	0.01014
0.58568	0.017271	0.7097	0.045762	0.32374	0.032984	0.47703	0.136044	0.00322
0.64368	-0.10239	0.02692	0.231396	4.28E-07	0.01163	0.80207	-0.04278	0.35632
0.37876	0.043501	0.34825	0.122782	0.0079	-0.06986	0.13169	-0.00602	0.89682
0.47797	-0.0592	0.20159	0.015186	0.74342	-0.16802	0.00027	-0.11948	0.00976
8.48E-06	-0.00109	0.98117	-0.13092	0.0046	-0.17654	0.00013	-0.12132	0.00868
5.90E-06	-0.07624	0.09986	0.075366	0.10382	-0.14752	0.00139	-0.11922	0.00992
0.0788	0.105376	0.02276	0.025273	0.58591	-0.15062	0.00109	-0.0065	0.88853
0.00315	0.171455	0.0002	0.123699	0.00744	0.160608	0.00049	0.283206	4.61E-10
1.35E-09	-0.03637	0.43293	0.10746	0.02019	-0.08062	0.08178	-0.07274	0.11648
1.10E-05	-0.08437	0.06852	-0.00641	0.89005	-0.1506	0.0011	-0.1506	0.0011
7.25E-05	0.038956	0.40096	0.262334	8.67E-09	0.160882	0.00048	0.171105	0.0002
0.54508	-0.07373	0.11157	0.148631	0.00128	-0.02817	0.54367	-0.03907	0.39962
4.11E-09	0.034687	0.45457	0.15664	0.00068	0.01876	0.68595	0.071742	0.12157
0.22436	0.021508	0.64293	0.255039	2.28E-08	0.045841	0.32291	0.108812	0.01867
0.19244	0.018637	0.68791	0.051371	0.26791	-0.01896	0.68281	0.069667	0.13276
0.00683	-0.11643	0.0118	-0.05399	0.2442	-0.2562	1.96E-08	-0.22136	1.36E-06
0.00431	-0.0718	0.12127	-0.12898	0.00525	-0.21689	2.23E-06	-0.21304	3.40E-06
0.00181	-0.01223	0.79215	0.146979	0.00145	0.143112	0.00193	0.102331	0.02702
0.52036	-0.11948	0.00976	-0.02683	0.56308	-0.18034	8.90E-05	-0.21854	1.86E-06
1.85E-06	0.138478	0.00271	0.164906	0.00035	0.063308	0.172	0.226606	7.48E-07
0.00233	0.055072	0.2349	0.069502	0.13368	0.043146	0.3522	0.095878	0.03834
0.04184	0.002479	0.95739	0.050116	0.27979	0.042586	0.35849	0.001189	0.97956
0.00344	-0.00693	0.88119	0.295845	6.91E-11	0.011224	0.80885	0.030236	0.51452
0.90634	-0.11124	0.01617	-0.18063	8.66E-05	-0.30715	1.16E-11	-0.27762	1.04E-09
0.06683	0.016633	0.71996	0.197748	1.67E-05	0.009587	0.83631	0.028795	0.53477
0.00341	0.06864	0.13858	0.143296	0.00191	0.09509	0.03997	0.214098	3.03E-06
0.10904	-0.01087	0.81477	-0.161	0.00048	-0.04573	0.32404	-0.04259	0.3584
0.00096	-0.14404	0.0018	-0.11657	0.01171	-0.33193	1.79E-13	-0.35136	5.14E-15
0.53768	0.017613	0.70422	-0.16369	0.00038	-0.02416	0.60253	-0.05564	0.2301
0.06843	0.042122	0.36376	0.067434	0.14567	-0.07448	0.10797	0.024706	0.59434
0.43084	0.145658	0.0016	0.281787	5.67E-10	0.17113	0.0002	0.302738	2.35E-11
0.19348	0.228511	6.00E-07	0.110403	0.017	0.165464	0.00033	0.36814	1.95E-16
0.04781	0.131545	0.00441	0.199452	1.41E-05	0.121877	0.00838	0.28638	2.89E-10

0.06322	0.051352	0.26809	0.13882	0.00264	0.030179	0.51532	0.149038	0.00124
0.45319	0.009954	0.83013	0.08793	0.05759	0.101407	0.02844	0.103268	0.02564
3.54E-06	0.152336	0.00096	0.279332	8.10E-10	0.164781	0.00035	0.320278	1.34E-12
2.66E-07	0.080388	0.08268	0.308143	9.93E-12	0.109582	0.01784	0.186849	4.85E-05
9.38E-06	0.124725	0.00696	0.170433	0.00022	0.053811	0.24581	0.195963	2.00E-05
6.04E-05	-0.04644	0.31667	0.128453	0.00544	0.002755	0.95266	0.128548	0.0054
0.13895	0.108498	0.01901	0.228371	6.10E-07	0.123806	0.00739	0.233793	3.23E-07
0.00013	0.210162	4.63E-06	0.267082	4.54E-09	0.140862	0.00228	0.385202	5.74E-18
0.02598	0.130554	0.00472	0.208673	5.43E-06	0.110185	0.01722	0.237891	1.97E-07
0.14714	0.12817	0.00554	0.162344	0.00043	0.142898	0.00196	0.238578	1.81E-07
0.1122	-0.00169	0.97098	0.109702	0.01772	-0.02707	0.5595	0.012366	0.78984
1.39E-07	0.013959	0.76352	0.10998	0.01743	-0.13774	0.00286	-0.0779	0.09267
0.36397	0.094254	0.04176	0.254544	2.43E-08	0.189188	3.88E-05	0.300693	3.25E-11
0.04586	0.097523	0.03513	0.141734	0.00214	0.013659	0.76845	0.175758	0.00013
0.69653	0.195252	2.15E-05	0.064972	0.16098	0.067123	0.14753	0.208314	5.64E-06
9.47E-08	-0.11009	0.01732	0.137035	0.003	0.020814	0.65369	-0.08455	0.06791
0.02967	0.025068	0.58895	-0.14679	0.00147	-0.02396	0.60557	0.006554	0.88766
0.00013	0.217706	2.04E-06	0.268072	3.97E-09	0.210219	4.61E-06	0.41862	3.07E-21
0.00023	-0.03428	0.45986	-0.00454	0.92208	-0.08538	0.06526	-0.00917	0.84326
3.78E-05	-0.14473	0.00171	-0.00886	0.84852	-0.0967	0.0367	-0.14789	0.00135
0.00574	0.19046	3.43E-05	0.448535	1.70E-24	0.381498	1.26E-17	0.480546	2.35E-28
1.36E-05	0.126083	0.00637	0.302507	2.44E-11	0.081324	0.07915	0.178518	0.00011
0.02752	-0.06625	0.15291	-0.09599	0.03813	-0.09619	0.03771	-0.07604	0.10073
0.85516	-0.01687	0.71609	0.165312	0.00033	0.041872	0.36662	-0.00108	0.98142
0.10038	0.034194	0.46102	0.124139	0.00723	-0.01434	0.75731	0.046591	0.31504
0.68171	-0.00586	0.89946	-0.07701	0.09649	-0.17473	0.00015	-0.10336	0.02551
0.25068	0.131689	0.00436	0.375477	4.40E-17	0.206409	6.89E-06	0.263988	6.93E-09
0.00021	-0.04222	0.36259	0.076993	0.09654	0.02547	0.58299	-0.01162	0.80221
0.69687	-0.0613	0.18606	0.020091	0.66497	-0.06275	0.1758	-0.01833	0.69278
0.00041	0.052809	0.25472	-0.00358	0.93851	0.00461	0.92086	0.084666	0.06754
1.94E-06	0.12392	0.00734	0.226061	7.97E-07	0.251215	3.74E-08	0.290721	1.51E-10
0.92709	0.225329	8.66E-07	0.437175	3.21E-23	0.301224	2.99E-11	0.400971	1.83E-19
1.11E-07	-0.01314	0.77707	0.130327	0.00479	-0.09372	0.04293	-0.06569	0.15642
0.01034	-0.12324	0.00767	0.157166	0.00065	-0.13943	0.00253	-0.15695	0.00066
0.04609	0.075742	0.1021	0.080206	0.08338	-0.08261	0.07449	-0.01142	0.80566
0.82579	-0.00852	0.85429	0.107533	0.02011	-0.10712	0.0206	-0.04933	0.28737
0.51904	-0.1367	0.00308	-0.07568	0.10238	-0.22222	1.23E-06	-0.295	7.86E-11
0.26517	-0.05823	0.20908	-0.21414	3.02E-06	-0.12948	0.00507	-0.17255	0.00018
0.27487	0.014744	0.75065	0.08782	0.05791	-0.08691	0.06058	-0.023	0.62002
7.96E-21	0.083678	0.07082	0.208744	5.39E-06	0.079178	0.08742	0.185033	5.75E-05
4.69E-05	0.101637	0.02808	0.243214	1.03E-07	0.074138	0.10959	0.191899	2.98E-05
0.00036	-0.07035	0.12899	0.038864	0.40208	-0.12444	0.0071	-0.11677	0.01156
1.45E-06	0.133833	0.00376	0.078929	0.08843	-0.09097	0.04946	0.106043	0.02191
0.15129	-0.06152	0.18449	0.056996	0.21893	-0.06403	0.16719	0.003006	0.94835
4.85E-11	0.11869	0.01025	0.174119	0.00016	-0.03403	0.46315	0.102974	0.02606



3.69E-05	-0.01747	0.70656	0.283696	4.29E-10	0.03438	0.45858	0.03521	0.4478
0.07211	0.048913	0.29151	0.172602	0.00018	0.177952	0.00011	0.220119	1.56E-06
0.07526	0.133463	0.00386	0.439935	1.59E-23	0.490049	1.39E-29	0.583825	5.17E-44
1.65E-06	0.097268	0.03561	0.165267	0.00034	0.116229	0.01195	0.211658	3.95E-06
0.35106	0.178426	0.00011	0.204103	8.76E-06	0.19646	1.90E-05	0.304283	1.84E-11
0.00021	-0.01339	0.77289	0.125649	0.00655	-0.05114	0.27008	-0.00596	0.8978
0.2512	0.041836	0.36703	0.15597	0.00072	0.268531	3.72E-09	0.19262	2.78E-05
0.79066	0.194551	2.30E-05	0.098167	0.03394	-0.01267	0.78485	0.179949	9.22E-05
0.0011	0.072606	0.11714	0.13641	0.00314	0.127188	0.00592	0.220672	1.47E-06
0.69078	0.062948	0.17445	0.189685	3.70E-05	0.08211	0.07629	0.181547	7.96E-05
1.73E-05	-0.15869	0.00058	0.058658	0.20576	-0.17829	0.00011	-0.2157	2.55E-06
0.2827	-0.05285	0.25437	0.111881	0.01557	-0.16699	0.00029	-0.13275	0.00406
0.00101	0.186335	5.09E-05	0.149661	0.00118	0.073458	0.11289	0.219755	1.63E-06
0.00055	-0.01574	0.73437	0.055311	0.23287	-0.09899	0.03245	-0.06082	0.18954
0.12501	0.033264	0.47331	0.254899	2.32E-08	0.131978	0.00428	0.252537	3.15E-08
0.00233	0.174421	0.00015	0.193375	2.58E-05	0.171914	0.00019	0.318291	1.87E-12
0.0001	0.053069	0.25239	-0.06324	0.17243	-0.06761	0.14463	0.048445	0.29615
0.00131	0.190298	3.48E-05	0.269914	3.07E-09	0.212463	3.62E-06	0.284295	3.93E-10
0.84731	0.063848	0.16837	0.075795	0.10186	-0.03818	0.41047	0.023425	0.6136
8.55E-09	0.082758	0.07399	0.235586	2.60E-07	0.097786	0.03464	0.19002	3.58E-05
0.26861	-0.08051	0.08223	0.024063	0.60397	-0.19086	3.30E-05	-0.15512	0.00077
0.09544	0.115578	0.01244	0.217957	1.99E-06	0.063658	0.16964	0.201399	1.16E-05
0.89676	0.11637	0.01185	0.341847	3.02E-14	0.107854	0.01974	0.276723	1.18E-09
0.58539	-0.04175	0.36803	-0.0075	0.87162	-0.13877	0.00265	-0.06472	0.16264
0.05716	0.108527	0.01898	0.250284	4.21E-08	0.057106	0.21804	0.19445	2.32E-05
0.24952	-0.06881	0.13763	0.063852	0.16834	-0.10216	0.02727	-0.09514	0.03986
0.49336	0.086976	0.06037	0.110925	0.01648	0.036142	0.43586	0.063058	0.1737
0.00025	0.099437	0.03168	0.172139	0.00019	0.019107	0.68046	0.082335	0.07548
4.65E-06	0.202147	1.07E-05	0.141045	0.00225	0.069579	0.13325	0.1645	0.00036
0.0001	-0.05802	0.21077	0.152334	0.00096	0.004207	0.92776	-0.01459	0.75314
0.0004	-0.30362	2.05E-11	-0.0868	0.0609	-0.32167	1.06E-12	-0.4724	2.47E-27
0.37331	0.026786	0.56367	0.1555	0.00075	0.011011	0.81241	0.086206	0.06269
0.00088	-0.07355	0.11245	0.041645	0.36922	-0.13592	0.00325	-0.11517	0.01275
0.02056	0.137684	0.00287	0.327179	4.11E-13	0.196617	1.87E-05	0.300131	3.55E-11
0.22848	0.001209	0.97921	0.09421	0.04186	-0.04182	0.36718	0.004799	0.91763
6.20E-05	0.131132	0.00453	0.321621	1.07E-12	0.126513	0.00619	0.181093	8.30E-05
0.00344	-0.05333	0.25002	0.06374	0.16909	-0.15631	0.0007	-0.1215	0.00858
0.83844	0.05796	0.21122	0.123588	0.0075	-0.00754	0.87083	0.112696	0.01483
0.69314	0.059291	0.2009	0.266055	5.23E-09	0.153997	0.00084	0.200398	1.28E-05
0.0007	0.083565	0.0712	0.087045	0.06016	0.022919	0.62129	0.137224	0.00296
0.56565	0.099294	0.03193	0.215998	2.47E-06	0.081223	0.07953	0.172777	0.00018
0.00779	0.026285	0.57098	0.183469	6.66E-05	0.072447	0.11795	0.117639	0.01095
0.0002	0.049227	0.28842	0.148323	0.00131	-0.12477	0.00694	0.012704	0.78422
0.00539	0.172619	0.00018	0.167901	0.00027	0.106727	0.02107	0.114537	0.01326
2.11E-08	-0.12871	0.00534	0.000392	0.99326	-0.06552	0.15748	-0.18692	4.82E-05

0.00012	0.156098	0.00071	0.069814	0.13194	0.147473	0.00139	0.174106	0.00016
7.07E-05	0.144051	0.0018	0.194306	2.36E-05	0.152933	0.00091	0.312923	4.56E-12
0.34114	0.156017	0.00072	0.281536	5.89E-10	0.134051	0.00371	0.210534	4.45E-06
0.06529	-0.07375	0.11147	0.027443	0.55415	0.0039	0.93302	-0.04976	0.28323
2.27E-06	0.084367	0.06852	0.056441	0.22345	0.093154	0.04421	0.164621	0.00035
0.16083	-0.1404	0.00236	0.161182	0.00047	-0.00965	0.83531	-0.15046	0.00111
0.98942	0.084218	0.06902	0.179995	9.18E-05	0.234853	2.84E-07	0.262318	8.68E-09
0.89725	0.040611	0.38124	0.177443	0.00012	0.004333	0.9256	0.034987	0.45068
1.20E-05	0.161041	0.00048	0.363924	4.53E-16	0.348907	8.16E-15	0.367149	2.38E-16
1.27E-08	-0.07465	0.10716	0.090781	0.04993	0.110133	0.01727	0.005765	0.90113
0.23294	-0.0108	0.81594	0.333376	1.39E-13	0.05427	0.2418	0.124888	0.00689
0.51216	0.107217	0.02048	0.324496	6.52E-13	0.139325	0.00255	0.242684	1.10E-07
5.98E-08	-0.07882	0.08885	-0.0108	0.81601	-0.22899	5.68E-07	-0.16843	0.00026
0.02829	0.03	0.51782	0.076641	0.09808	0.013728	0.76732	0.052155	0.26067
1.30E-07	0.125309	0.0067	0.302066	2.62E-11	0.348039	9.60E-15	0.407462	4.18E-20
0.02304	-0.04165	0.36915	-0.07428	0.10891	-0.08922	0.054	-0.05147	0.26702
0.38955	0.150993	0.00106	0.135634	0.00332	0.0669	0.14889	0.155737	0.00073
1.16E-05	-0.01443	0.75582	0.006286	0.89223	0.00898	0.84653	-0.02439	0.5991
0.00493	-0.08627	0.06248	-0.04576	0.32375	-0.12598	0.00641	-0.0794	0.08653
0.04804	-0.00772	0.8679	0.130568	0.00471	-0.05334	0.24993	-0.00557	0.90451
0.00053	0.014287	0.75813	0.089694	0.05274	-0.04655	0.31543	0.012782	0.78294
0.22565	0.060546	0.19152	0.09687	0.03638	-0.04536	0.32804	0.064781	0.16222
0.1575	-0.08378	0.07047	0.280033	7.32E-10	0.133775	0.00378	0.108004	0.01957
0.93199	-0.15702	0.00066	0.003765	0.93533	-0.09613	0.03783	-0.2087	5.41E-06
0.09309	0.106022	0.02194	0.238041	1.94E-07	0.189184	3.88E-05	0.313962	3.84E-12
0.00625	-0.07574	0.1021	0.056423	0.2236	0.022599	0.62617	-0.02962	0.52316
0.2593	0.25433	2.50E-08	0.171114	0.0002	0.106412	0.02145	0.290092	1.66E-10
0.04654	0.010524	0.82056	0.16722	0.00028	-0.04678	0.31311	0.048659	0.29402
2.14E-06	0.16803	0.00026	0.324095	6.99E-13	0.267906	4.06E-09	0.379195	2.04E-17
3.44E-08	-0.052	0.26206	0.159548	0.00054	0.014986	0.74669	0.032654	0.48145
1.70E-10	0.13117	0.00452	0.138245	0.00275	0.140707	0.00231	0.28765	2.39E-10
0.55611	0.009088	0.84472	0.342657	2.60E-14	0.250416	4.14E-08	0.279154	8.31E-10
0.00934	0.071442	0.12314	0.244085	9.21E-08	0.116303	0.0119	0.175613	0.00014
0.00236	0.087632	0.05845	0.299886	3.69E-11	0.282238	5.31E-10	0.300258	3.48E-11
0.07965	0.165346	0.00033	0.131868	0.00431	-0.00757	0.87043	0.17827	0.00011
0.00977	0.076571	0.09839	0.210838	4.31E-06	0.170644	0.00021	0.204095	8.77E-06
5.87E-08	-0.0093	0.8412	0.116726	0.01159	0.03062	0.5092	0.017566	0.70497
0.86166	0.016181	0.72727	0.013831	0.76563	-0.23258	3.72E-07	-0.15797	0.00061
0.44828	-0.09567	0.03877	-0.10781	0.01979	-0.25579	2.07E-08	-0.24284	1.08E-07
0.00023	0.181108	8.29E-05	0.163685	0.00038	0.089353	0.05365	0.216048	2.45E-06
0.97458	-0.028	0.54614	0.160989	0.00048	0.013355	0.77346	0.028637	0.53702
0.14617	-0.04409	0.34174	0.108318	0.01921	-0.13488	0.0035	-0.03143	0.49812
0.10557	0.01999	0.66656	0.20404	8.81E-06	-0.00253	0.95643	0.060842	0.18935
0.00594	-0.05712	0.21791	-0.0196	0.6727	-0.18777	4.44E-05	-0.12482	0.00692
0.02651	0.079647	0.08556	0.179252	9.82E-05	-0.05308	0.25227	0.083582	0.07115

0.92333	0.02466	0.59503	0.093346	0.04378	-0.15521	0.00076	-0.05744	0.21535
0.04787	-0.15804	0.00061	-0.00861	0.85279	-0.14464	0.00173	-0.21271	3.53E-06
1.30E-05	-0.14965	0.00118	-0.01608	0.72897	-0.11886	0.01015	-0.2056	7.50E-06
0.00265	0.036017	0.43745	0.240931	1.36E-07	-0.01834	0.6927	0.123569	0.00751
0.03163	0.021815	0.6382	0.033267	0.47326	-0.14805	0.00133	-0.0154	0.73998
0.37175	0.09177	0.04747	0.213216	3.34E-06	0.068767	0.13785	0.12347	0.00756
0.02505	0.133428	0.00387	0.068875	0.13723	0.012585	0.78621	0.164961	0.00034
0.00053	0.069112	0.13588	0.128571	0.00539	0.032437	0.48439	0.083925	0.06999
0.03226	0.120451	0.00917	0.225896	8.12E-07	0.062079	0.1805	0.214009	3.06E-06
0.02643	0.136139	0.0032	0.274475	1.62E-09	0.159898	0.00052	0.245683	7.55E-08
0.04308	-0.18033	8.90E-05	-0.00131	0.97751	-0.18419	6.23E-05	-0.26818	3.91E-09
0.39471	-0.03472	0.4541	0.284945	3.57E-10	0.111758	0.01568	0.155894	0.00072
1.57E-05	-0.03321	0.47407	0.047394	0.30677	-0.09041	0.05086	-0.12585	0.00647
0.93765	0.057578	0.21425	0.317167	2.26E-12	0.134918	0.00349	0.196559	1.88E-05
0.07968	0.064881	0.16157	0.127408	0.00583	-0.02955	0.52417	0.085491	0.06491
0.80224	-0.15776	0.00062	-0.02721	0.55757	-0.13075	0.00465	-0.27787	9.99E-10
3.91E-10	-0.02462	0.59556	0.108424	0.01909	0.117572	0.011	0.052827	0.25456
0.19835	0.013143	0.77697	0.166211	0.00031	0.051589	0.26588	0.054224	0.2422
1.29E-07	-0.00734	0.87426	0.143136	0.00193	0.114442	0.01334	0.076342	0.0994
0.97139	0.001066	0.98168	0.215773	2.53E-06	0.023058	0.61918	0.096985	0.03615
0.35068	0.029433	0.52577	0.186786	4.88E-05	0.151518	0.00102	0.149346	0.00121
0.79337	0.081327	0.07914	0.274251	1.67E-09	0.287441	2.47E-10	0.30834	9.62E-12
0.01367	0.008374	0.85677	0.129223	0.00516	-0.07679	0.09741	-0.0039	0.93294
0.3725	-0.00305	0.94765	-0.12211	0.00825	-0.30546	1.53E-11	-0.20173	1.12E-05
0.38116	0.095693	0.03872	0.128234	0.00552	0.095963	0.03817	0.205319	7.72E-06
0.00021	0.08906	0.05445	0.342644	2.61E-14	0.169421	0.00024	0.283729	4.27E-10
0.00066	-0.0761	0.10047	0.173767	0.00016	0.03812	0.41115	-0.05583	0.22853
0.00564	-0.04488	0.33319	0.172616	0.00018	0.014418	0.75598	0.004095	0.92967
0.0005	0.017777	0.70159	0.080919	0.08066	-0.00854	0.8539	0.031189	0.50136
0.07061	0.124886	0.00689	0.193749	2.49E-05	0.077864	0.09282	0.243619	9.76E-08
0.79711	-0.07286	0.11586	0.1124	0.01509	-0.05806	0.21044	-0.05107	0.27073
0.50224	0.003954	0.93208	0.084286	0.06879	0.096851	0.03641	0.087171	0.05979
0.01759	0.190087	3.56E-05	0.235655	2.58E-07	0.205212	7.81E-06	0.36526	3.47E-16
0.68521	0.05661	0.22207	0.106065	0.02188	-0.00487	0.91645	0.074279	0.10891
0.49186	0.01454	0.75398	0.18662	4.95E-05	-0.04661	0.3148	0.05661	0.22207
0.71367	-0.04857	0.29491	0.075529	0.10307	-0.1093	0.01814	-0.04899	0.2907
7.52E-05	-0.02035	0.66097	0.036553	0.43066	-0.14489	0.00169	-0.09664	0.03683
0.27331	0.105908	0.02208	0.17101	0.0002	0.100974	0.02912	0.196908	1.82E-05
0.99474	-0.00504	0.91344	0.178194	0.00011	-0.12335	0.00762	-0.0278	0.54902
0.18456	0.058485	0.20711	0.253509	2.78E-08	0.102865	0.02622	0.125555	0.00659
3.22E-07	-0.02972	0.52177	-0.04384	0.34448	-0.13199	0.00428	-0.15214	0.00097
0.00056	0.141292	0.00221	0.093716	0.04294	0.032705	0.48077	0.226757	7.35E-07
0.66763	-0.0696	0.13316	0.226764	7.35E-07	0.122584	0.008	0.028064	0.54521
0.04057	0.042763	0.3565	0.222828	1.15E-06	0.03301	0.47669	0.098944	0.03254
0.04847	0.064496	0.16408	0.355447	2.36E-15	0.198281	1.59E-05	0.297141	5.65E-11

0.08309	0.033374	0.47185	0.238925	1.74E-07	-0.02037	0.66064	0.064417	0.1646
1.61E-08	-0.13127	0.00449	0.099353	0.03183	-0.104	0.0246	-0.16723	0.00028
0.00084	0.033943	0.46432	0.000581	0.99	-0.07122	0.12434	0.000719	0.98764
0.83096	0.088062	0.05722	0.118044	0.01068	0.137624	0.00288	0.201151	1.19E-05
0.19812	0.126063	0.00638	0.09703	0.03607	-0.02024	0.66263	0.136427	0.00314
0.12417	0.102096	0.02737	0.205415	7.64E-06	0.047958	0.30105	0.194567	2.30E-05
3.97E-09	0.169895	0.00023	0.155378	0.00075	0.136287	0.00317	0.255265	2.21E-08
0.8268	0.223667	1.05E-06	0.387986	3.17E-18	0.40643	5.30E-20	0.528582	5.71E-35
3.01E-07	-0.27117	2.58E-09	-0.16326	0.0004	-0.32871	3.15E-13	-0.48267	1.26E-28
0.51557	-0.02875	0.53538	0.263087	7.83E-09	-0.03011	0.51633	-0.09246	0.04582
0.34737	0.100677	0.0296	0.231683	4.14E-07	0.082274	0.0757	0.204612	8.31E-06
4.27E-05	0.230071	5.00E-07	0.426717	4.35E-22	0.315354	3.05E-12	0.452837	5.45E-25
7.57E-05	0.203415	9.40E-06	0.201132	1.19E-05	0.1848	5.88E-05	0.320496	1.29E-12
0.50044	0.04309	0.35282	0.142615	0.00201	-0.08537	0.06529	0.03075	0.5074
0.04186	0.107023	0.02071	0.163409	0.00039	0.162167	0.00043	0.291732	1.29E-10
6.64E-05	0.149183	0.00122	0.177685	0.00011	0.022289	0.63092	0.251123	3.78E-08
0.00061	0.143287	0.00191	0.104696	0.02366	0.025087	0.58867	0.205618	7.48E-06
0.00011	0.056204	0.22541	0.206739	6.65E-06	0.10267	0.02651	0.155743	0.00073
2.58E-08	0.148408	0.0013	0.192476	2.82E-05	0.086134	0.06291	0.239093	1.70E-07
0.08722	-0.00476	0.91825	0.080795	0.08113	-0.11412	0.0136	-0.05567	0.22984
0.50376	0.14211	0.00208	0.360667	8.59E-16	0.300177	3.52E-11	0.393141	1.04E-18
0.1033	0.060124	0.19464	0.274919	1.52E-09	0.099653	0.03131	0.187051	4.76E-05
0.00384	0.102937	0.02612	0.146381	0.00151	0.029057	0.53107	0.130058	0.00488
0.0126	0.109056	0.0184	0.190878	3.29E-05	0.091367	0.04846	0.230594	4.71E-07
7.54E-13	-0.16033	0.00051	0.023027	0.61965	-0.14399	0.00181	-0.22343	1.08E-06
7.29E-05	0.163439	0.00039	0.350514	6.03E-15	0.333433	1.37E-13	0.355596	2.29E-15
0.99013	0.082887	0.07354	0.042677	0.35747	-0.10779	0.01981	0.093846	0.04265
0.30442	-0.04803	0.30035	0.264439	6.52E-09	0.13264	0.00409	0.062603	0.17684
6.11E-07	-0.00995	0.83026	0.063286	0.17215	-0.04591	0.32219	-0.03694	0.42579
0.00272	0.024204	0.60186	0.229024	5.66E-07	0.07692	0.09686	0.126774	0.00608
0.13736	0.00465	0.92017	0.268303	3.84E-09	0.178074	0.00011	0.13336	0.00389
0.00012	-0.01814	0.69577	0.106836	0.02093	0.004222	0.92749	0.02434	0.59982
0.94112	0.009989	0.82954	0.172144	0.00019	0.04255	0.3589	0.095001	0.04016
0.00816	0.07001	0.13086	0.091757	0.04751	0.07798	0.09233	0.160429	0.0005
1.27E-13	0.079653	0.08553	0.032575	0.48252	0.150268	0.00113	0.206965	6.50E-06
1.07E-05	0.04285	0.35552	0.204916	8.05E-06	0.208875	5.31E-06	0.248866	5.05E-08
0.02387	-0.08084	0.08097	0.037145	0.42323	-0.09612	0.03785	-0.11386	0.01382
2.04E-12	0.145593	0.00161	0.224597	9.42E-07	0.342068	2.90E-14	0.364424	4.10E-16
0.03337	0.022968	0.62055	0.214749	2.83E-06	0.121412	0.00863	0.07517	0.10472
0.00136	-0.01199	0.79601	0.045881	0.32249	-0.057	0.21893	-0.03743	0.41962
1.51E-05	-0.05401	0.2441	-0.01341	0.77248	-0.03179	0.49318	-0.13664	0.00309
0.48561	0.036098	0.43642	0.246197	7.07E-08	0.067666	0.14428	0.133987	0.00372
0.00358	0.113842	0.01383	0.212076	3.77E-06	0.152849	0.00092	0.153207	0.0009
0.07597	-0.20385	8.99E-06	-0.1043	0.0242	-0.27697	1.14E-09	-0.28543	3.32E-10
0.48364	0.086689	0.06122	0.123473	0.00755	0.015184	0.74347	0.144105	0.0018

0.00423	-0.11397	0.01372	0.046247	0.31864	-0.06958	0.13327	-0.05628	0.2248
2.05E-06	0.026046	0.5745	0.051263	0.26891	-0.00655	0.88776	0.091685	0.04768
9.19E-08	-0.21954	1.67E-06	-0.01635	0.72455	-0.21924	1.72E-06	-0.31289	4.58E-12
1.72E-05	0.191554	3.09E-05	0.476457	7.71E-28	0.302054	2.62E-11	0.423802	8.84E-22
3.90E-05	-0.12612	0.00635	-0.08272	0.07411	-0.2256	8.40E-07	-0.23377	3.23E-07
0.02138	-0.04485	0.33354	-0.14757	0.00138	-0.21239	3.65E-06	-0.20616	7.07E-06
0.48793	0.019942	0.66731	0.234416	2.99E-07	0.038769	0.40322	0.021779	0.63876
0.00381	-0.11523	0.01271	-0.07682	0.09729	-0.15092	0.00107	-0.24603	7.23E-08
0.00029	0.068313	0.14047	0.053973	0.24439	0.03189	0.49178	0.106782	0.021
0.09516	-0.04459	0.33626	0.070993	0.12552	-0.13404	0.00371	-0.09769	0.03482
0.00069	0.124279	0.00717	0.13101	0.00457	0.093495	0.04344	0.176478	0.00013
0.01238	0.251606	3.56E-08	0.144717	0.00172	0.14905	0.00124	0.378554	2.33E-17
0.24059	-0.00393	0.93256	-0.04161	0.36962	-0.06737	0.14605	-0.00143	0.97535
0.00619	0.083765	0.07053	0.200285	1.30E-05	0.203998	8.85E-06	0.2825	5.11E-10
0.00109	0.035026	0.45018	-0.01	0.82938	-0.00895	0.84708	0.078368	0.09072
0.26057	0.12044	0.00918	0.320056	1.39E-12	0.141741	0.00214	0.281928	5.56E-10
7.41E-15	-0.013	0.77941	-0.10126	0.02867	-0.05256	0.25701	-0.08208	0.07641
0.00225	0.010131	0.82715	0.098196	0.03388	-0.07811	0.09178	0.021112	0.64906
3.40E-05	-0.11958	0.00969	-0.06464	0.16315	-0.08749	0.05885	-0.16029	0.00051
1.65E-11	0.138441	0.00272	0.145442	0.00162	0.155984	0.00072	0.214411	2.93E-06
0.01381	-0.03239	0.48497	0.040173	0.38639	-0.07155	0.12259	-0.0135	0.77112
0.06846	0.224271	9.78E-07	0.335078	1.02E-13	0.297308	5.51E-11	0.453796	4.21E-25
0.01794	-0.01715	0.71163	-0.17363	0.00016	-0.07002	0.13079	-0.0441	0.34167
1.68E-07	-0.06561	0.15689	0.257301	1.69E-08	0.167864	0.00027	0.102102	0.02736
0.0013	0.060008	0.1955	0.133276	0.00391	-0.02075	0.65467	0.069844	0.13178
0.00027	0.164901	0.00035	0.256739	1.82E-08	0.333471	1.36E-13	0.295965	6.78E-11
0.07818	0.050453	0.27656	0.12923	0.00516	0.133488	0.00385	0.167603	0.00027
0.00493	0.017021	0.71372	0.132412	0.00415	0.180834	8.50E-05	0.120768	0.00899
0.89746	0.188845	4.01E-05	0.283627	4.34E-10	0.234244	3.06E-07	0.380686	1.49E-17
0.6862	-0.12818	0.00554	-0.08248	0.07497	-0.21415	3.02E-06	-0.29041	1.58E-10
8.19E-08	0.14346	0.00188	0.174744	0.00015	-0.01434	0.75735	0.212996	3.42E-06
0.09603	0.035879	0.43922	0.135359	0.00338	0.041634	0.36935	0.079808	0.08492
0.14265	0.126374	0.00625	0.321727	1.05E-12	0.17599	0.00013	0.264382	6.57E-09
5.75E-07	0.192596	2.79E-05	0.452626	5.76E-25	0.266385	5.00E-09	0.427454	3.63E-22
0.00012	0.034933	0.45138	0.246721	6.62E-08	0.105568	0.02251	0.149172	0.00122
0.56853	0.005089	0.91266	0.226327	7.73E-07	0.020847	0.65318	0.086036	0.06321
0.44442	0.017428	0.70718	0.005071	0.91296	-0.15968	0.00053	-0.04828	0.29777
0.00248	0.090185	0.05146	0.326484	4.63E-13	0.255631	2.11E-08	0.280621	6.72E-10
0.75082	0.055492	0.23134	0.17588	0.00013	0.028519	0.5387	0.142147	0.00208
0.11161	0.091003	0.04937	0.101205	0.02876	-0.00723	0.87616	0.155837	0.00073
0.01949	0.126929	0.00602	0.016807	0.71715	0.031823	0.49269	0.127151	0.00593
0.45533	0.086921	0.06053	0.110294	0.01711	0.0211	0.64926	0.069415	0.13417
0.01447	0.039378	0.39587	0.125012	0.00683	-0.0741	0.10979	0.048911	0.29153
0.01106	-0.11788	0.01079	0.15256	0.00094	-0.10676	0.02103	-0.12898	0.00525
0.84576	-0.11675	0.01157	0.111792	0.01565	-0.08414	0.06926	-0.18015	9.05E-05

0.35589	-0.05221	0.26012	0.108092	0.01947	-0.20487	8.09E-06	-0.1317	0.00436
0.0016	0.131763	0.00434	-0.03705	0.42436	-0.0648	0.16207	0.151696	0.00101
2.05E-17	-0.00961	0.83591	0.047982	0.3008	-0.03223	0.48713	-0.02686	0.56261
0.30533	0.019054	0.68129	0.242366	1.14E-07	0.118525	0.01036	0.115503	0.0125
1.08E-07	0.131422	0.00444	0.273089	1.97E-09	0.261006	1.04E-08	0.267075	4.55E-09
3.95E-10	0.094045	0.04222	0.63337	9.77E-54	0.265629	5.54E-09	0.189665	3.70E-05
1.47E-12	0.150203	0.00113	0.616031	3.89E-50	0.310505	6.77E-12	0.380471	1.56E-17
0.06842	0.044205	0.3405	0.861779	#####	0.547138	8.04E-38	0.423278	1.00E-21
0.16645	0.238993	1.72E-07	0.769556	1.28E-92	0.578075	5.45E-43	0.616411	3.26E-50
0.91019	0.225511	8.49E-07	0.704572	2.82E-71	0.557429	1.76E-39	0.587427	1.16E-44
0.0016	0.207732	5.99E-06	0.772057	1.40E-93	0.512067	1.41E-32	0.623673	1.08E-51
0.00032	-0.05105	0.27089	0.689073	5.01E-67	0.420769	1.84E-21	0.310539	6.73E-12
0.03572	0.022899	0.6216	0.459121	9.99E-26	0.308602	9.22E-12	0.259435	1.28E-08
0.00595	0.150795	0.00108	0.708763	1.79E-72	0.585776	2.30E-44	0.543353	3.17E-37
8.58E-05	0.297113	5.68E-11	0.82504	#####	0.58467	3.64E-44	0.621884	2.51E-51
0.06771	0.057877	0.21187	0.548542	4.81E-38	0.331437	1.95E-13	0.30533	1.56E-11
4.33E-12	0.017987	0.69825	0.474316	1.43E-27	0.121552	0.00855	0.103711	0.02501
0.04567	0.173221	0.00017	0.804502	#####	0.755078	2.74E-87	0.642789	8.64E-56
0.3446	0.031446	0.49784	0.858977	#####	0.41884	2.92E-21	0.308232	9.79E-12
0.7696	0.084568	0.06787	0.841008	#####	0.454401	3.58E-25	0.403023	1.15E-19
0.0437	0.068724	0.1381	0.90606	#####	0.580736	1.84E-43	0.515149	5.17E-33
0.00078	-0.10476	0.02357	0.644466	3.66E-56	0.385593	5.28E-18	0.214163	3.01E-06
0.77616	-0.07732	0.09513	0.634741	4.96E-54	0.429554	2.16E-22	0.300283	3.47E-11
0.13606	0.153078	0.0009	0.897781	#####	0.558321	1.26E-39	0.567322	3.93E-41
4.20E-05	0.052204	0.26022	0.789578	#####	0.380784	1.46E-17	0.333839	1.28E-13
0.12806	0.197547	1.71E-05	0.591848	1.79E-45	0.454883	3.15E-25	0.489266	1.77E-29
0.0144	0.189971	3.60E-05	0.713043	1.02E-73	0.563309	1.87E-40	0.558937	9.94E-40
0.002	0.238323	1.87E-07	0.898125	#####	0.59915	7.70E-47	0.644094	4.43E-56
0.0008	0.075026	0.10539	0.62704	2.14E-52	0.258538	1.44E-08	0.244716	8.52E-08
0.00705	-0.11814	0.01062	0.592058	1.63E-45	0.27393	1.75E-09	0.118568	0.01033
0.84597	0.230975	4.50E-07	0.720478	6.16E-76	0.520527	8.72E-34	0.578318	4.93E-43
0.19847	-0.05994	0.19603	0.615162	5.82E-50	0.509057	3.74E-32	0.39254	1.18E-18
0.00133	0.0035	0.93986	0.560975	4.57E-40	0.309535	7.93E-12	0.308959	8.70E-12
0.01149	-0.02965	0.52267	0.725446	1.85E-77	0.511635	1.63E-32	0.406098	5.72E-20
1.70E-07	0.055757	0.22912	0.801932	#####	0.674462	2.94E-63	0.671296	1.81E-62
0.00011	0.345087	1.66E-14	0.823709	#####	0.644954	2.84E-56	0.72064	5.50E-76
0.00435	0.1129	0.01464	0.648023	5.80E-57	0.378685	2.26E-17	0.372662	7.83E-17
0.09708	-0.04032	0.38471	0.653076	4.07E-58	0.378367	2.42E-17	0.239333	1.65E-07
0.18439	-0.00812	0.861	0.472266	2.56E-27	0.247334	6.13E-08	0.260454	1.11E-08
1.20E-06	0.089967	0.05203	0.729518	9.86E-79	0.420895	1.78E-21	0.364907	3.72E-16
0.00296	0.161836	0.00045	0.731705	2.00E-79	0.596898	2.05E-46	0.547506	7.03E-38
0.14195	-0.07266	0.11685	0.539213	1.40E-36	0.234084	3.12E-07	0.157456	0.00064
0.23136	-0.06643	0.15179	0.606511	2.97E-48	0.160022	0.00052	0.039805	0.39076
0.10245	0.077531	0.09423	0.831793	#####	0.607275	2.11E-48	0.54963	3.23E-38
0.0521	-0.19055	3.40E-05	0.506141	9.49E-32	0.12469	0.00698	-0.07535	0.10388

0.00841	0.005301	0.90904	0.62783	1.46E-52	0.273932	1.75E-09	0.248941	5.00E-08
0.15991	0.067755	0.14375	0.783232	4.99E-98	0.431631	1.29E-22	0.40701	4.64E-20
0.95897	-0.07557	0.10289	0.513383	9.21E-33	0.347774	1.01E-14	0.304633	1.74E-11
0.8717	0.220767	1.45E-06	0.607232	2.15E-48	0.53326	1.13E-35	0.578391	4.79E-43
0.026	0.19862	1.53E-05	0.828593	#####	0.631224	2.81E-53	0.603437	1.17E-47
0.01564	0.232261	3.87E-07	0.638468	7.72E-55	0.405366	6.75E-20	0.398623	3.09E-19
0.06454	-0.04198	0.36536	0.508091	5.09E-32	0.093002	0.04456	0.047216	0.3086
0.89189	-0.06939	0.13431	0.777081	1.51E-95	0.657615	3.58E-59	0.421265	1.63E-21
0.00016	0.03539	0.44548	0.442692	7.82E-24	0.210072	4.68E-06	0.23389	3.19E-07
0.90815	-0.00749	0.87168	0.632426	1.56E-53	0.658721	1.97E-59	0.568057	2.95E-41
0.00084	0.060446	0.19225	0.539348	1.33E-36	0.361677	7.04E-16	0.353087	3.70E-15
0.25657	-0.06443	0.1645	0.52155	6.19E-34	0.34366	2.16E-14	0.267241	4.45E-09
0.08006	0.241614	1.25E-07	0.877304	#####	0.742825	4.63E-83	0.683401	1.55E-65
0.75784	0.003068	0.94727	0.614621	7.47E-50	0.394099	8.40E-19	0.364788	3.81E-16
1.19E-05	0.030739	0.50755	0.663435	1.49E-60	0.503556	2.15E-31	0.39431	8.02E-19
0.00701	0.112952	0.0146	0.527791	7.48E-35	0.251101	3.79E-08	0.342032	2.91E-14
0.47464	0.118423	0.01043	0.872863	#####	0.653775	2.81E-58	0.543414	3.10E-37
0.71914	0.030168	0.51548	0.536554	3.57E-36	0.347532	1.06E-14	0.331228	2.03E-13
0.06492	-0.01893	0.68329	0.73264	1.00E-79	0.596956	2.00E-46	0.443244	6.78E-24
0.01753	0.113575	0.01406	0.758221	2.05E-88	0.422712	1.15E-21	0.311556	5.70E-12
0.00298	-0.01861	0.68832	0.670361	3.07E-62	0.341584	3.16E-14	0.241988	1.19E-07
0.16945	0.33141	1.96E-13	0.684579	7.64E-66	0.686473	2.44E-66	0.764869	7.48E-91
0.25873	-0.11435	0.01342	0.5405	8.82E-37	0.211141	4.17E-06	0.11188	0.01557
0.00057	0.163248	0.0004	0.784409	1.64E-98	0.6839	1.15E-65	0.661529	4.25E-60
0.01543	0.195195	2.16E-05	0.806092	#####	0.562166	2.90E-40	0.582681	8.29E-44
0.17963	-0.06635	0.15226	0.508529	4.43E-32	0.388233	3.00E-18	0.300258	3.48E-11
0.77609	-0.14036	0.00237	0.54997	2.85E-38	0.267835	4.10E-09	0.179326	9.76E-05
6.41E-07	-0.07051	0.12813	0.66066	6.83E-60	0.256296	1.93E-08	0.205934	7.24E-06
3.02E-08	0.205404	7.65E-06	0.781282	3.11E-97	0.588549	7.21E-45	0.629814	5.59E-53
0.29603	-0.06817	0.14131	0.666253	3.11E-61	0.544328	2.23E-37	0.408761	3.10E-20
3.26E-06	0.031547	0.49645	0.595209	4.25E-46	0.33031	2.38E-13	0.333934	1.26E-13
0.0052	0.162611	0.00042	0.761361	1.48E-89	0.470344	4.42E-27	0.440521	1.37E-23
2.30E-05	-0.05965	0.19817	0.269165	3.41E-09	0.58716	1.29E-44	0.276309	1.25E-09
0.00627	-0.01971	0.67097	0.068374	0.14012	0.125476	0.00663	-0.06739	0.14593
0.58803	-0.15482	0.00079	-0.11909	0.01	-0.09743	0.03531	-0.28371	4.28E-10
0.00983	-0.06936	0.13447	-0.01944	0.67526	0.149937	0.00115	-0.08562	0.06449
0.55666	0.002259	0.96117	-0.10668	0.02112	0.080419	0.08256	-0.02654	0.56722
0.1432	-0.03579	0.44036	0.072429	0.11804	0.274508	1.61E-09	0.068049	0.14202
0.16667	0.045713	0.32427	-0.08914	0.05424	-0.00979	0.83289	-0.0348	0.45314
0.81716	-0.07676	0.09758	0.065417	0.15813	0.101248	0.02869	-0.0085	0.85468
0.70286	-0.04334	0.34999	0.097848	0.03452	0.25344	2.81E-08	0.037588	0.41772
0.14127	-0.03034	0.51307	0.091049	0.04925	0.357203	1.68E-15	0.100788	0.02942
0.00104	-0.17357	0.00016	-0.04442	0.33815	0.143451	0.00188	-0.15959	0.00054
0.02246	-0.02355	0.61177	-0.26468	6.31E-09	-0.12317	0.0077	-0.28863	2.07E-10
0.89321	-0.01751	0.70593	-0.15809	0.00061	0.045802	0.32333	-0.10087	0.02929

0.00017	0.078787	0.089	-0.14026	0.00238	0.039927	0.38931	-0.05361	0.24757
7.05E-05	0.088102	0.05711	-0.05059	0.27525	0.004975	0.91461	-0.10738	0.02029
0.12003	-0.0442	0.3406	-0.14111	0.00224	0.024988	0.59014	-0.10087	0.02929
0.00012	-0.02625	0.57148	-0.09987	0.03095	0.013888	0.76468	-0.09964	0.03133
0.24205	-0.0462	0.31914	-0.0055	0.90564	0.307129	1.17E-11	0.180856	8.48E-05
0.61232	-0.00048	0.99173	-0.14722	0.00142	-0.01475	0.75058	-0.06738	0.14596
0.02517	-0.12558	0.00658	0.045361	0.328	0.108192	0.01935	-0.15956	0.00054
0.58877	-0.16353	0.00039	-0.1429	0.00196	-0.10079	0.02943	-0.28625	2.94E-10
0.06686	0.033145	0.47489	0.186402	5.06E-05	0.315942	2.77E-12	0.127209	0.00591
0.40236	0.057769	0.21273	-0.15134	0.00104	0.100346	0.03015	-0.00502	0.91379
0.31427	0.022931	0.6211	0.001659	0.97147	0.263667	7.24E-09	0.112781	0.01475
0.28424	-0.03236	0.48546	0.23581	2.53E-07	0.424534	7.40E-22	0.286861	2.69E-10
0.00039	-0.06125	0.18642	0.016678	0.71925	0.160561	0.0005	-0.0569	0.21969
0.0064	-0.07631	0.09953	0.044369	0.33871	0.118594	0.01032	-0.11032	0.01709
0.0012	-0.08882	0.0551	0.068993	0.13656	0.127233	0.0059	-0.10266	0.02653
0.12885	-0.09349	0.04345	-0.16838	0.00026	-0.02041	0.66002	-0.16817	0.00026
0.34989	-0.08705	0.06016	-0.05555	0.23087	0.119507	0.00974	-0.02793	0.54708
0.00823	-0.01054	0.82028	-0.00149	0.97445	0.119026	0.01004	-0.00939	0.83955
0.03685	0.145151	0.00166	0.01035	0.82347	0.201869	1.10E-05	0.141873	0.00212
3.04E-07	-0.25022	4.25E-08	-0.17982	9.33E-05	-0.17536	0.00014	-0.32131	1.12E-12
0.52331	-0.02119	0.64793	-0.02116	0.64836	0.107599	0.02003	0.035003	0.45047
0.02828	-0.0399	0.38958	0.009373	0.8399	0.276379	1.24E-09	0.05116	0.26988
0.0825	-0.10023	0.03035	-0.16244	0.00042	-0.05825	0.20891	-0.14876	0.00126
0.6976	-0.02569	0.5797	0.021996	0.63541	0.233203	3.46E-07	0.056082	0.22641
0.01222	-0.12826	0.00551	-0.22659	7.50E-07	0.000838	0.98559	-0.23011	4.98E-07
0.30956	-0.01432	0.75764	0.028131	0.54425	0.042741	0.35674	-0.04055	0.38199
0.9012	-0.11065	0.01675	-0.03212	0.48871	-0.06473	0.16258	-0.22458	9.44E-07
0.94988	-0.04583	0.32298	0.197494	1.72E-05	0.231923	4.03E-07	0.163559	0.00039
0.43786	-0.03325	0.47353	-0.2094	5.02E-06	-0.07349	0.11272	-0.14229	0.00205
0.03551	-0.06524	0.15928	-0.06901	0.13645	0.00276	0.95257	-0.16124	0.00047
0.95254	0.006149	0.89457	-0.01715	0.71166	0.099194	0.0321	-0.06022	0.19391
0.38526	-0.06669	0.15015	0.063745	0.16905	0.190133	3.54E-05	-0.00452	0.92234
0.92943	-0.02193	0.63645	0.018816	0.68506	0.129442	0.00509	-0.06194	0.18144
0.7743	-0.05556	0.23081	-0.01376	0.7668	-0.10267	0.0265	-0.14647	0.0015
0.38673	-0.05046	0.27648	-0.07187	0.12089	-0.06007	0.19508	-0.12439	0.00712
7.93E-05	-0.06979	0.13207	0.064688	0.16282	0.177636	0.00011	-0.05882	0.20454
0.50219	-0.03961	0.39304	-0.01394	0.76386	0.15937	0.00055	0.006161	0.89436
0.21295	-0.03518	0.44825	0.114292	0.01346	0.415146	7.00E-21	0.245582	7.64E-08
0.98454	-0.03253	0.48313	0.068308	0.1405	0.272346	2.19E-09	0.146465	0.0015
0.7265	-0.08692	0.06053	0.066173	0.15336	0.151194	0.00105	-0.07026	0.1295
0.48866	-0.04513	0.33051	0.037654	0.41689	0.106482	0.02136	-0.07235	0.11843
0.16797	-0.03988	0.3899	0.111045	0.01636	0.061767	0.1827	-0.02488	0.59169
0.00246	0.019403	0.67579	0.103318	0.02557	0.244953	8.27E-08	0.070783	0.12665
0.6711	-0.08656	0.0616	-0.02833	0.54146	0.121598	0.00853	-0.1406	0.00232
0.13967	0.042286	0.3619	0.021523	0.64271	0.245177	8.04E-08	0.078932	0.08841



0.89518	0.141247	0.00222	0.125477	0.00663	0.263068	7.85E-09	0.245284	7.93E-08
0.06642	-0.0634	0.17139	-0.07668	0.09792	-0.00505	0.91337	-0.12976	0.00498
0.18285	-0.09721	0.03573	-0.04404	0.34236	0.058385	0.20788	-0.12341	0.00759
2.56E-07	-0.17424	0.00015	-0.05999	0.19564	0.184666	5.96E-05	-0.06787	0.1431
0.11711	-0.05056	0.27558	0.024971	0.5904	0.059878	0.19647	-0.11444	0.01334
0.12559	-0.00249	0.95716	0.119728	0.00961	0.177332	0.00012	-0.02566	0.58017
5.24E-05	0.079586	0.0858	0.035196	0.44798	0.247007	6.39E-08	0.157694	0.00063
0.93961	-0.02864	0.53696	-0.09183	0.04733	0.037748	0.41573	-0.07202	0.12015
0.04566	-0.08939	0.05356	-0.10266	0.02653	0.135209	0.00342	-0.01608	0.72889
0.25679	0.021633	0.641	0.135517	0.00334	0.448947	1.53E-24	0.263438	7.47E-09
0.15387	-0.03336	0.47202	0.021272	0.64659	0.151919	0.00099	-0.01616	0.72765
0.36709	-0.06163	0.18365	-0.17474	0.00015	-0.0617	0.18318	-0.20856	5.49E-06
0.00011	-0.18236	7.38E-05	0.14388	0.00183	0.050551	0.27564	-0.12369	0.00745
0.10654	0.004723	0.91892	0.044009	0.34264	0.191983	2.96E-05	0.126311	0.00627
0.63125	0.006251	0.89283	0.218277	1.92E-06	0.356315	2.00E-15	0.149089	0.00123
0.00129	-0.01111	0.81068	-0.03805	0.41203	0.108422	0.0191	-0.07706	0.09626
0.92004	0.067199	0.14708	-0.05632	0.22446	0.061334	0.18579	-0.08532	0.06545
0.00037	-0.01313	0.77724	-0.14313	0.00193	0.007198	0.87671	-0.12576	0.0065
0.00024	-0.21527	2.67E-06	0.070382	0.12882	-0.0857	0.06427	-0.28278	4.91E-10
2.97E-18	-0.17086	0.00021	-0.21738	2.12E-06	-0.12225	0.00818	-0.30886	8.84E-12
9.90E-10	-0.20883	5.34E-06	-0.03964	0.39269	-0.06559	0.15703	-0.29785	5.06E-11
0.01065	-0.14001	0.00242	-0.16775	0.00027	-0.09859	0.03318	-0.23181	4.08E-07
0.8159	-0.04987	0.28212	0.099923	0.03085	0.281913	5.57E-10	0.007453	0.87238
0.00555	-0.0755	0.10319	0.078981	0.08821	0.244897	8.33E-08	-0.00635	0.8912
0.10684	-0.17133	0.0002	0.010094	0.82777	0.054176	0.24262	-0.23233	3.84E-07
0.70528	0.019028	0.68171	0.122085	0.00826	0.474797	1.24E-27	0.25389	2.65E-08
0.01395	-0.0679	0.14289	0.005807	0.9004	0.130507	0.00473	-0.093	0.04457
1.06E-12	-0.16421	0.00037	-0.15541	0.00075	-0.06264	0.17659	-0.26975	3.15E-09
0.04291	0.001055	0.98186	-0.03706	0.42433	0.072283	0.11878	-0.04877	0.29295
0.27356	-0.03821	0.41001	-0.09248	0.04577	0.046722	0.31369	-0.1206	0.00909
0.00049	-0.19093	3.28E-05	-0.09121	0.04885	0.043424	0.34911	-0.21217	3.74E-06
0.94237	0.053075	0.25234	0.2094	5.03E-06	0.504227	1.74E-31	0.452712	5.63E-25
0.02024	-0.1404	0.00236	0.027903	0.54752	0.136498	0.00312	-0.11751	0.01104
0.9954	-0.09074	0.05004	-0.05427	0.24177	0.038727	0.40374	-0.18592	5.29E-05
0.18763	-0.04028	0.38519	-0.04512	0.33063	0.063548	0.17038	-0.12524	0.00673
0.42194	-0.06572	0.15619	0.002728	0.95312	0.128368	0.00547	-0.05888	0.20403
0.63116	-0.03369	0.4677	0.061542	0.1843	0.264541	6.43E-09	0.079505	0.08612
0.00528	-0.13209	0.00424	0.083986	0.06979	0.254847	2.34E-08	-0.05006	0.28034
0.10526	-0.04327	0.35078	-0.05757	0.21433	0.054321	0.24136	-0.12843	0.00544
0.02526	-0.13955	0.00251	-0.01386	0.76514	0.031442	0.49789	-0.22846	6.04E-07
0.09116	0.175125	0.00014	0.087904	0.05767	0.388523	2.82E-18	0.374366	5.53E-17
0.03986	0.120661	0.00905	0.260962	1.04E-08	0.414377	8.39E-21	0.307597	1.08E-11
0.08735	-0.06222	0.17953	0.17516	0.00014	0.153038	0.00091	-0.05899	0.20324
0.00361	-0.01347	0.77163	-0.18173	7.83E-05	-0.0975	0.03518	-0.20009	1.32E-05
0.01256	-0.1005	0.02989	-0.0732	0.11418	0.066721	0.14998	-0.16638	0.0003

0.00104	-0.04288	0.35515	0.185574	5.47E-05	0.430686	1.63E-22	0.273814	1.78E-09
0.37462	0.165556	0.00033	0.358595	1.29E-15	0.386169	4.67E-18	0.373401	6.73E-17
0.57152	-0.04411	0.34151	-0.28587	3.12E-10	-0.08525	0.06568	-0.16792	0.00027
0.01255	-0.03222	0.4873	-0.01794	0.69892	-0.0149	0.74803	-0.13332	0.0039
0.0111	-0.18943	3.79E-05	0.006426	0.88985	0.023092	0.61866	-0.25178	3.48E-08
0.15777	-0.14529	0.00164	-0.00388	0.93342	0.001585	0.97276	-0.23016	4.96E-07
0.02999	-0.02609	0.57388	-0.03804	0.41216	0.062911	0.17471	-0.08347	0.07153
0.44722	-0.11021	0.01719	0.017934	0.69909	0.124188	0.00721	-0.11191	0.01554
0.72694	-0.07812	0.09177	0.027536	0.55279	0.122014	0.0083	-0.0917	0.04765
0.30852	-0.11656	0.01171	-0.08406	0.06954	-0.04754	0.30531	-0.25802	1.54E-08
0.00032	-0.17675	0.00012	-0.12931	0.00513	0.148166	0.00132	-0.0907	0.05012
0.09891	-0.20684	6.58E-06	-0.04999	0.28102	0.004153	0.92868	-0.20378	9.05E-06
0.71618	-0.01332	0.77405	0.034997	0.45055	0.235103	2.76E-07	0.173908	0.00016
0.08347	-0.04626	0.31854	0.070556	0.12788	0.326171	4.89E-13	0.137223	0.00296
0.00174	-0.07491	0.10595	0.053336	0.25001	0.308074	1.00E-11	0.092117	0.04664
0.05431	-0.08409	0.06945	0.030742	0.50752	0.265259	5.83E-09	0.053549	0.24812
0.93035	-0.01959	0.6729	0.072998	0.11517	0.17797	0.00011	0.089764	0.05256
8.43E-05	-0.14471	0.00172	-0.06366	0.16964	0.129925	0.00492	-0.09069	0.05016
0.06273	-0.06956	0.13338	0.019428	0.67539	0.141997	0.0021	-0.01516	0.74392
0.03829	-0.10941	0.01802	0.019258	0.67808	0.239292	1.66E-07	0.041464	0.37131
2.35E-05	-0.12566	0.00655	-0.05983	0.19685	0.212257	3.70E-06	-0.0017	0.97086
0.00108	-0.10079	0.02942	0.012835	0.78207	0.186249	5.13E-05	0.022311	0.63057
1.34E-05	-0.15046	0.00111	-0.0758	0.10185	0.095901	0.0383	-0.20201	1.09E-05
0.13731	0.177763	0.00011	0.016861	0.71629	0.041918	0.36609	-0.08985	0.05233
0.01381	0.050648	0.27471	0.023733	0.60895	0.1767	0.00012	0.066824	0.14935
0.48045	-0.12615	0.00634	-0.23581	2.54E-07	-0.13429	0.00364	-0.31492	3.28E-12
0.42497	-0.09732	0.03551	-0.22095	1.42E-06	-0.06775	0.14378	-0.26563	5.54E-09
2.96E-07	-0.05578	0.22894	0.007542	0.87088	0.199675	1.38E-05	-0.0493	0.28769
0.18022	-0.16023	0.00051	-0.1049	0.02338	-0.01343	0.77219	-0.21214	3.75E-06
0.82778	-0.02697	0.56105	-0.15064	0.00109	-0.03257	0.48258	-0.17511	0.00014
0.00011	-0.21111	4.19E-06	0.004253	0.92697	0.066546	0.15106	-0.2101	4.66E-06
0.02271	-0.20713	6.39E-06	-0.20322	9.60E-06	-0.14669	0.00148	-0.32155	1.08E-12
0.05521	0.20975	4.84E-06	-0.0321	0.48887	-0.06406	0.16694	-0.03758	0.41779
0.35375	-0.1306	0.0047	-0.0395	0.39446	0.115421	0.01256	-0.08459	0.06779
0.54264	-0.10914	0.01831	-0.29404	9.11E-11	-0.08888	0.05494	-0.21039	4.52E-06
0.31181	-0.01953	0.67372	0.090655	0.05025	0.230451	4.79E-07	0.046054	0.32067
0.00808	-0.10691	0.02084	0.053617	0.24752	0.167628	0.00027	-0.07645	0.09892
0.03539	-0.11548	0.01251	0.084395	0.06843	0.200652	1.25E-05	-0.05958	0.19872
0.00219	0.182423	7.34E-05	0.122963	0.00781	0.154937	0.00078	0.038734	0.40364
0.57343	0.034861	0.45232	0.007487	0.87181	0.255235	2.22E-08	0.13679	0.00306
0.95322	-0.03871	0.40399	-0.00453	0.92227	0.000608	0.98955	-0.08918	0.05412
0.13455	-0.0942	0.04188	-0.0854	0.06519	-0.03059	0.5096	-0.18949	3.77E-05
0.34349	-0.05642	0.22364	0.095342	0.03944	0.232368	3.82E-07	-0.0128	0.7827
0.84511	-0.15468	0.0008	0.071521	0.12273	0.218599	1.85E-06	-0.07515	0.10483
0.83602	-0.07355	0.11245	0.052637	0.25628	0.247888	5.72E-08	-0.00849	0.85485

0.41406	-0.02699	0.56065	0.065436	0.15801	0.289745	1.75E-10	0.119758	0.00959
0.05294	-0.00333	0.94275	0.148659	0.00127	0.298164	4.82E-11	0.095323	0.03948
0.78595	0.020814	0.6537	0.025351	0.58475	0.226057	7.97E-07	0.051256	0.26898
0.89298	-0.03072	0.50778	0.069109	0.1359	0.149282	0.00121	-0.01756	0.70508
0.78516	-0.06173	0.18296	0.086573	0.06157	0.129341	0.00512	-0.07391	0.11071
0.09649	-0.05032	0.2778	-0.00853	0.85406	0.025504	0.58249	-0.13639	0.00314
0.18134	-0.07657	0.09839	0.094809	0.04056	0.174916	0.00015	-0.08473	0.06735
0.64718	-0.08679	0.06093	0.144829	0.0017	0.168127	0.00026	-0.07436	0.10855
0.00342	-0.03606	0.43686	0.018398	0.6917	0.101537	0.02823	-0.09971	0.03121
0.4458	-0.12239	0.0081	-0.05151	0.26665	0.03086	0.50589	-0.19384	2.47E-05
0.00015	-0.1353	0.00339	0.103807	0.02487	0.009782	0.83303	-0.15936	0.00055
0.35462	-0.01658	0.72084	-0.00316	0.94575	0.101492	0.0283	-0.01119	0.80945
0.45652	-0.02684	0.56292	0.072142	0.11951	0.170215	0.00022	-0.05852	0.20682
0.00041	-0.0697	0.13258	0.151322	0.00104	0.422504	1.21E-21	0.180528	8.74E-05
0.01804	-0.07565	0.1025	0.010289	0.82451	0.255163	2.24E-08	-0.02404	0.60426
0.00194	-0.1602	0.00051	-0.13713	0.00298	0.040595	0.38143	-0.19689	1.82E-05
0.97202	-0.02286	0.6222	0.032749	0.48019	0.28861	2.07E-10	0.08901	0.05458
0.16862	0.12391	0.00734	-0.0672	0.14704	-0.05778	0.21265	-0.0963	0.0375
0.66811	-0.06743	0.14571	0.068408	0.13992	0.010859	0.81496	-0.15585	0.00073
0.05886	-0.03597	0.43806	0.018779	0.68565	0.156032	0.00072	-0.06646	0.15162
0.5042	-0.07709	0.09614	-0.0343	0.45965	0.121719	0.00846	-0.09754	0.0351
0.00643	-0.18329	6.77E-05	-0.03822	0.40991	-0.09075	0.05002	-0.32364	7.55E-13
0.67876	-0.09082	0.04983	0.114879	0.01299	0.27191	2.33E-09	-0.03317	0.47449
0.08556	-0.00262	0.9549	0.017153	0.71159	0.01418	0.75989	-0.08539	0.06523
0.0181	-0.10296	0.02609	-0.02511	0.58826	0.133248	0.00392	-0.13068	0.00468
0.01049	-0.11692	0.01145	0.035071	0.4496	0.216143	2.43E-06	-0.09189	0.04718
0.36207	-0.12762	0.00575	-0.1135	0.01413	-0.13247	0.00413	-0.24604	7.22E-08
0.10759	-0.13114	0.00453	0.020626	0.65662	0.080884	0.0808	-0.14872	0.00127
5.48E-05	-0.24815	5.53E-08	-0.22024	1.54E-06	-0.15654	0.00069	-0.36834	1.88E-16
0.00635	-0.04401	0.34261	-0.05562	0.23028	0.144131	0.00179	-0.02281	0.62293
0.07822	-0.0439	0.34386	-0.06504	0.16055	0.08422	0.06901	-0.10848	0.01903
0.86599	-0.09837	0.03356	0.056103	0.22624	0.024307	0.60032	-0.12204	0.00829
0.52244	-0.12228	0.00816	0.01841	0.6915	0.025623	0.58072	-0.18873	4.05E-05
0.03307	-0.2046	8.32E-06	-0.0382	0.41014	-0.05724	0.21695	-0.25805	1.53E-08
0.41831	-0.02525	0.58629	0.200842	1.22E-05	0.36453	4.01E-16	0.134945	0.00348
0.58948	-0.02102	0.65054	-0.21344	3.26E-06	-0.03099	0.50414	-0.13254	0.00411
0.01614	0.02424	0.60132	-0.21883	1.80E-06	-0.06635	0.15229	-0.17039	0.00022
0.55708	-0.03348	0.4704	-0.02063	0.65653	0.210805	4.33E-06	0.001035	0.9822
0.50783	0.038256	0.40949	0.080436	0.0825	0.342551	2.65E-14	0.234475	2.97E-07
0.00255	0.017283	0.70951	0.212224	3.71E-06	0.286995	2.64E-10	0.207416	6.20E-06
0.05106	0.089404	0.05352	0.276662	1.19E-09	0.528878	5.16E-35	0.380874	1.43E-17
0.0519	0.017255	0.70996	0.119089	0.01	0.23527	2.70E-07	0.051883	0.26316
0.32146	-0.01	0.82938	-0.0617	0.18321	0.212627	3.56E-06	0.025507	0.58245
6.77E-10	-0.17449	0.00015	-0.11013	0.01727	0.071483	0.12293	-0.19727	1.76E-05
9.53E-20	-0.1592	0.00055	-0.27987	7.50E-10	-0.09781	0.03459	-0.24563	7.60E-08

8.65E-10	-0.24209	1.18E-07	-0.35443	2.87E-15	-0.22972	5.21E-07	-0.4558	2.46E-25
0.84817	-0.10764	0.01998	-0.02102	0.65051	0.038433	0.40732	-0.16416	0.00037
0.42459	0.016059	0.72925	-0.06876	0.13791	0.047247	0.30827	-0.10608	0.02186
0.07819	-0.0763	0.09959	0.026805	0.56339	0.304781	1.70E-11	0.119227	0.00991
0.38732	-0.06053	0.19162	-0.04311	0.35258	-0.01641	0.7235	-0.08752	0.05878
0.00075	-0.0775	0.09437	-0.18063	8.66E-05	0.10889	0.01858	-0.09686	0.03639
0.0006	0.107884	0.0197	0.234583	2.94E-07	0.41851	3.16E-21	0.303898	1.96E-11
0.26335	-0.10192	0.02764	-0.03891	0.40156	0.032335	0.48576	-0.19671	1.86E-05
0.0008	-0.17592	0.00013	-0.01712	0.71211	0.034679	0.45468	-0.08574	0.06414
0.04256	-0.08958	0.05305	-0.15996	0.00052	-0.05864	0.20586	-0.16869	0.00025
0.23077	-0.04254	0.35898	0.114522	0.01327	0.092833	0.04495	-0.04678	0.31304
0.00494	-0.20356	9.26E-06	-0.09278	0.04506	-0.06443	0.16454	-0.21678	2.26E-06
0.11341	0.036014	0.4375	0.254731	2.37E-08	0.400268	2.14E-19	0.23834	1.87E-07
1.31E-06	-0.09725	0.03564	0.070916	0.12593	0.037694	0.4164	-0.13534	0.00339
0.27243	-0.05444	0.24031	0.103329	0.02555	0.305605	1.49E-11	0.053048	0.25258
4.33E-06	-0.01409	0.76142	0.085384	0.06524	0.215093	2.72E-06	0.078741	0.08919
0.10823	0.022134	0.63329	0.087444	0.059	0.172904	0.00017	0.046429	0.31674
0.98027	-0.02507	0.58898	-0.21965	1.65E-06	-0.06514	0.15987	-0.16833	0.00026
0.4384	-0.15057	0.0011	-0.05516	0.23416	-0.08217	0.07609	-0.27554	1.39E-09
0.28287	-0.0532	0.25121	-0.10898	0.01849	0.004307	0.92605	-0.15147	0.00103
0.75229	-0.09084	0.04978	0.134745	0.00353	0.160324	0.00051	-0.07378	0.11133
0.28588	-0.06724	0.14686	0.117443	0.01109	0.091234	0.04879	-0.09248	0.04578
0.32416	-0.07357	0.11233	0.06924	0.13516	0.160831	0.00048	-0.05032	0.2778
0.00508	0.010355	0.8234	0.097425	0.03531	0.233474	3.35E-07	0.080045	0.084
0.38804	-0.04926	0.28807	0.039368	0.39599	0.106133	0.0218	-0.08245	0.07509
0.89426	-0.01412	0.76095	0.030126	0.51606	0.208373	5.60E-06	0.059343	0.20051
0.38545	0.110796	0.01661	-0.01449	0.75473	0.055456	0.23165	-0.11467	0.01315
0.8166	0.119881	0.00951	0.118474	0.01039	0.240618	1.41E-07	0.184728	5.92E-05
0.16761	-0.12479	0.00693	0.048578	0.29483	0.111388	0.01603	-0.16301	0.0004
0.10153	-0.09674	0.03663	-0.09215	0.04657	-0.15853	0.00058	-0.30472	1.72E-11
0.02953	0.080766	0.08124	-0.0276	0.55191	0.187073	4.75E-05	0.058573	0.20642
0.7056	-0.00577	0.90109	-0.00836	0.85694	-0.02548	0.58279	-0.11528	0.01267
0.20723	-0.05169	0.26498	-0.05065	0.27465	0.07814	0.09166	-0.11033	0.01707
0.40284	-0.03234	0.4857	0.071767	0.12144	0.176635	0.00012	0.02059	0.65718
0.00906	0.129592	0.00503	-0.08373	0.07064	0.116127	0.01203	0.097202	0.03574
0.0035	-0.03199	0.49042	-0.18513	5.70E-05	-0.05459	0.23907	-0.23628	2.40E-07
0.01517	-0.01859	0.6886	-0.05455	0.23938	-0.01657	0.72099	-0.16914	0.00024
0.28407	0.005098	0.91252	0.300643	3.28E-11	0.196705	1.86E-05	0.124981	0.00685
0.00067	-0.14055	0.00233	0.066162	0.15344	0.186345	5.08E-05	-0.1148	0.01305
0.54015	-0.01752	0.70565	-0.07509	0.1051	0.083399	0.07177	-0.02868	0.53647
1.16E-05	-0.19452	2.31E-05	-0.10047	0.02995	0.083889	0.07011	-0.19747	1.72E-05
0.13448	-0.04127	0.3735	0.289756	1.74E-10	0.454796	3.22E-25	0.196493	1.90E-05
0.38276	-0.13629	0.00317	-0.24462	8.62E-08	-0.11176	0.01569	-0.31015	7.17E-12
0.03957	0.165389	0.00033	0.051339	0.26821	0.385907	4.94E-18	0.312834	4.63E-12
0.19253	-0.09185	0.04727	0.041141	0.37505	0.081473	0.0786	-0.11205	0.01541

5.12E-05	-0.03637	0.43292	0.031222	0.50091	0.269753	3.14E-09	0.131154	0.00453
0.58753	-0.02887	0.53372	9.62E-05	0.99835	0.151161	0.00105	-0.05017	0.27932
0.57508	-0.01465	0.75218	-0.13161	0.00439	0.042774	0.35638	-0.1021	0.02736
0.32734	-0.02578	0.57841	-0.03805	0.41207	0.024703	0.59439	-0.15779	0.00062
0.22299	0.119019	0.01004	0.058255	0.2089	0.15253	0.00094	0.084844	0.06697
0.88033	0.194496	2.31E-05	0.083104	0.07278	0.150864	0.00107	0.060374	0.19278
0.32225	-0.05938	0.20019	0.004309	0.92602	0.233491	3.34E-07	-0.03735	0.42073
0.00081	-0.05661	0.22206	-0.13469	0.00354	0.158762	0.00057	-0.04829	0.2977
0.03511	0.033687	0.4677	0.240493	1.44E-07	0.49996	6.66E-31	0.294777	8.14E-11
2.66E-05	-0.13554	0.00334	0.141133	0.00224	0.197314	1.75E-05	-0.08965	0.05287
0.47827	-0.05857	0.20646	0.030276	0.51397	0.193963	2.44E-05	-0.02357	0.6114
0.00946	-0.10052	0.02986	-0.15732	0.00065	-0.01433	0.75736	-0.19092	3.28E-05
3.92E-06	0.022882	0.62186	-0.05427	0.2418	0.134613	0.00356	0.022527	0.62727
0.08786	0.10822	0.01932	0.246291	6.99E-08	0.370037	1.33E-16	0.141493	0.00218
0.00201	-0.25593	2.03E-08	-0.14872	0.00127	-0.05835	0.20819	-0.34417	1.97E-14
7.10E-08	-0.1302	0.00483	0.008556	0.8537	0.160474	0.0005	-0.11378	0.01388
0.60374	-0.12736	0.00585	-0.13993	0.00244	0.016862	0.71628	-0.15594	0.00072
0.89508	0.012191	0.79274	-0.05677	0.22073	0.012395	0.78935	-0.07295	0.11539
6.24E-11	0.106686	0.02112	0.285332	3.37E-10	0.581287	1.47E-43	0.387142	3.80E-18
0.84435	-0.0988	0.0328	-0.12806	0.00558	0.060805	0.18962	-0.14631	0.00152
0.35976	0.21624	2.40E-06	0.110536	0.01687	0.316215	2.64E-12	0.286011	3.05E-10
0.00069	-0.04591	0.3222	-0.12889	0.00528	0.004361	0.92511	-0.1249	0.00688
0.50178	0.076855	0.09715	0.062959	0.17438	0.244673	8.56E-08	0.161124	0.00047
0.65879	-0.04064	0.38085	-0.1972	1.77E-05	-0.01212	0.7939	-0.10501	0.02324
0.17552	0.164033	0.00037	0.094592	0.04103	0.139915	0.00244	0.300045	3.60E-11
0.48067	0.018888	0.68392	-0.17889	0.0001	-0.07268	0.11674	0.006025	0.89668
1.03E-05	0.144369	0.00176	0.132369	0.00416	0.150214	0.00113	0.293868	9.35E-11
0.19939	-0.11162	0.01581	-0.05791	0.21164	-0.03405	0.46294	-0.0931	0.04434
1.27E-17	0.056928	0.21947	0.08059	0.08191	0.066689	0.15018	0.187283	4.65E-05
0.92655	0.036793	0.42764	-0.02324	0.61646	0.038201	0.41016	0.112768	0.01476
0.19307	0.070987	0.12556	-0.13569	0.0033	0.060127	0.19461	0.107823	0.01977
0.17816	0.081968	0.0768	0.083501	0.07142	0.092993	0.04458	0.195296	2.14E-05
8.47E-05	0.150292	0.00112	0.054908	0.2363	0.13521	0.00342	0.329381	2.80E-13
1.07E-06	0.070728	0.12694	0.012063	0.79487	0.007051	0.87921	0.107422	0.02024
6.70E-10	0.072029	0.12009	0.066518	0.15123	0.072527	0.11754	0.174278	0.00015
6.22E-06	0.110261	0.01714	0.030713	0.50791	0.114968	0.01292	0.265289	5.81E-09
0.44471	-0.02877	0.53513	0.05172	0.26467	-0.00116	0.98005	-0.00922	0.84245
0.68079	-0.00056	0.99043	-0.14326	0.00191	-0.11275	0.01477	-0.03444	0.45786
0.37393	0.022253	0.63147	0.060432	0.19236	0.054828	0.23698	0.120794	0.00898
0.00856	0.016683	0.71917	-0.07844	0.09041	0.010044	0.82862	0.0219	0.63689
1.54E-11	0.064564	0.16363	-0.06224	0.17933	-0.01929	0.67763	0.101743	0.02791
0.17636	-0.00018	0.99695	-0.07938	0.0866	-0.02285	0.62234	0.059908	0.19625
1.04E-05	-0.08457	0.06787	-0.06783	0.14329	-0.11195	0.0155	-0.03061	0.50934
0.0377	0.081036	0.08022	-0.03066	0.5087	0.1121	0.01536	0.222054	1.26E-06
0.06848	0.197197	1.77E-05	0.022381	0.6295	0.205447	7.62E-06	0.390638	1.79E-18

6.42E-10	0.017379	0.70798	0.050119	0.27976	-0.01989	0.66817	0.057734	0.213
0.00674	-0.04446	0.33774	-0.01255	0.78674	-0.09133	0.04854	0.033177	0.47447
6.92E-05	0.080326	0.08292	0.161539	0.00046	0.071698	0.12181	0.20121	1.18E-05
5.14E-09	-0.03027	0.51402	0.02575	0.57886	-0.03203	0.48988	0.02493	0.591
0.0004	0.111958	0.0155	0.051844	0.26352	0.108309	0.01922	0.227431	6.80E-07
0.00181	-0.02929	0.52774	-0.01982	0.6693	-0.0147	0.75134	0.034042	0.46301
0.07308	0.084664	0.06755	-0.06689	0.14896	-0.03124	0.50069	0.101178	0.0288
0.00095	0.189905	3.62E-05	0.121808	0.00841	0.223978	1.01E-06	0.428648	2.70E-22
0.47466	0.095994	0.03811	-0.04221	0.36279	0.147203	0.00142	0.237784	2.00E-07
0.01313	-0.01244	0.78863	0.001685	0.97103	-0.02278	0.62346	0.060836	0.1894
6.31E-05	0.108081	0.01948	0.142614	0.00201	0.126407	0.00623	0.266401	4.99E-09
0.0348	0.113642	0.014	-0.15494	0.00078	0.056578	0.22233	0.193618	2.52E-05
1.45E-06	0.095323	0.03948	-0.01699	0.71427	0.095224	0.03969	0.258843	1.38E-08
0.03643	0.007562	0.87054	0.02124	0.64708	-0.08131	0.07919	0.061104	0.18745
0.37978	-0.01828	0.69364	-0.11146	0.01596	-0.08849	0.05602	-0.10078	0.02944
0.03271	-0.00769	0.8684	-0.09352	0.04339	-0.08336	0.07191	0.004434	0.92386
0.12353	0.126442	0.00622	-0.09151	0.04812	-0.05087	0.27262	0.101268	0.02866
0.00322	0.127376	0.00584	-0.03794	0.41334	0.060126	0.19462	0.234292	3.04E-07
0.10381	0.036968	0.42544	-0.11598	0.01214	-0.09681	0.0365	0.011431	0.80539
7.18E-05	0.093578	0.04325	-0.0487	0.29366	0.059273	0.20104	0.188579	4.11E-05
0.00359	0.112137	0.01533	0.062493	0.1776	0.038716	0.40387	0.202084	1.08E-05
0.14393	0.230259	4.90E-07	0.027791	0.54912	0.114935	0.01294	0.353371	3.51E-15
0.00083	0.115947	0.01216	-0.01768	0.70308	0.066485	0.15143	0.223591	1.06E-06
0.09412	0.100632	0.02968	-0.02332	0.61524	0.024416	0.59869	0.1913	3.16E-05
3.40E-11	-0.03385	0.46553	0.047684	0.30381	-0.04735	0.30727	0.030923	0.50501
0.92531	-0.01711	0.71227	0.007003	0.88003	-0.00768	0.86853	0.070198	0.12982
0.08528	-0.17417	0.00016	-0.05156	0.26614	-0.09313	0.04426	-0.16648	0.0003
0.80834	0.162724	0.00041	0.106161	0.02176	0.244722	8.51E-08	0.391559	1.46E-18
0.03035	0.069733	0.13239	-0.06666	0.15036	-0.07485	0.1062	0.071509	0.1228
6.85E-07	0.109938	0.01747	-0.04941	0.28665	-0.00159	0.97263	0.136707	0.00307
0.00046	0.031258	0.50041	-0.12446	0.00708	-0.10632	0.02156	-0.08754	0.05871
0.01724	0.170558	0.00021	-0.05769	0.21334	0.066963	0.14851	0.253606	2.75E-08
7.05E-07	0.154558	0.0008	-0.02159	0.6417	-0.00687	0.88226	0.200955	1.21E-05
0.6135	0.006454	0.88938	-0.06051	0.19178	-0.02693	0.5616	0.021848	0.63769
0.16619	-0.05321	0.25111	-0.10663	0.02119	-0.11286	0.01468	-0.09896	0.03252
0.00045	0.140952	0.00227	0.032216	0.48736	0.113302	0.01429	0.270711	2.75E-09
0.1052	0.026656	0.56556	-0.03324	0.47369	-0.00365	0.93731	0.086322	0.06233
0.56445	0.17153	0.0002	-0.17556	0.00014	-0.00682	0.88318	0.146815	0.00147
0.00118	0.011623	0.80219	-0.03314	0.47502	-0.02112	0.64891	0.044799	0.33405
0.01159	-0.09674	0.03664	-0.01203	0.79544	-0.11836	0.01047	-0.12139	0.00864
0.02543	0.051	0.27138	-0.07173	0.12164	-0.0387	0.40403	0.074402	0.10833
0.90483	-0.03826	0.40942	-0.03587	0.43927	-0.0782	0.09143	-0.07246	0.11789
0.02373	0.090562	0.05049	-0.10448	0.02395	0.052179	0.26045	0.132862	0.00402
2.71E-05	0.049272	0.28798	0.021944	0.63622	-0.02176	0.63903	0.137384	0.00293
0.00049	0.005741	0.90152	0.022347	0.63003	-0.01867	0.68744	0.086584	0.06154

3.37E-07	0.117344	0.01115	0.169196	0.00024	0.189721	3.68E-05	0.333707	1.31E-13
0.01578	0.164971	0.00034	0.209951	4.74E-06	0.202429	1.04E-05	0.350142	6.47E-15
0.01236	0.148154	0.00132	0.07484	0.10626	0.018183	0.69512	0.198654	1.53E-05
0.25472	0.033269	0.47324	-0.00867	0.85178	-0.02311	0.61834	0.052763	0.25514
0.00093	-0.11372	0.01394	-0.15074	0.00109	-0.10429	0.02421	-0.15608	0.00071
0.60194	-0.0711	0.12495	0.176942	0.00012	-0.02365	0.61022	-0.00286	0.95092
0.02876	0.234638	2.92E-07	0.071424	0.12324	0.112551	0.01495	0.322826	8.68E-13
0.16919	0.089745	0.05261	-0.00727	0.87549	0.030116	0.51619	0.122832	0.00788
0.05938	0.114108	0.01361	0.154017	0.00084	0.209609	4.91E-06	0.289548	1.80E-10
0.00261	0.020091	0.66498	-0.10978	0.01763	0.016497	0.72216	0.099663	0.03129
3.70E-07	-0.07206	0.11991	-0.1559	0.00072	-0.08794	0.05758	-0.16216	0.00043
3.11E-05	0.070456	0.12841	-0.04271	0.35705	0.006078	0.89578	0.110525	0.01688
0.00789	0.089537	0.05316	0.11414	0.01359	0.126533	0.00618	0.307056	1.18E-11
0.445	0.189378	3.81E-05	0.002875	0.9506	0.069194	0.13542	0.24651	6.80E-08
5.33E-06	0.060542	0.19155	0.028649	0.53685	-0.00427	0.92673	0.14364	0.00186
0.01133	0.072533	0.11751	-0.06631	0.15253	-0.06834	0.14031	0.087056	0.06013
0.00089	0.120358	0.00923	0.008843	0.84884	0.068351	0.14025	0.170571	0.00021
0.00024	0.013955	0.76358	-0.13399	0.00372	-0.04021	0.38597	0.004301	0.92614
0.70007	0.024489	0.59759	-0.08382	0.07035	-0.12157	0.00854	0.028233	0.54279
0.24566	0.011652	0.8017	-0.05352	0.24838	-0.01363	0.76901	0.065927	0.15491
0.6393	-0.13741	0.00292	-0.05185	0.26345	-0.16064	0.00049	-0.17405	0.00016
2.95E-08	0.16593	0.00032	0.041153	0.37491	0.124469	0.00708	0.33182	1.82E-13
8.37E-12	-0.10966	0.01776	-0.04584	0.32297	-0.03286	0.47871	-0.02347	0.61292
0.91017	0.0362	0.43512	-0.06419	0.16611	-0.00692	0.88138	0.071992	0.12028
2.35E-06	0.094415	0.04141	0.04281	0.35597	0.259955	1.19E-08	0.251204	3.74E-08
3.11E-13	0.055339	0.23264	-0.01661	0.72032	-0.08265	0.07438	0.061503	0.18458
0.00031	0.107388	0.02028	-0.05375	0.24636	-0.06898	0.13664	0.095488	0.03914
0.28108	-0.09361	0.04318	0.027862	0.5481	-0.00586	0.89957	0.04112	0.37529
0.00033	0.135066	0.00345	0.083734	0.07063	0.136412	0.00314	0.212697	3.53E-06
1.08E-14	0.035517	0.44385	0.016366	0.72427	-0.04991	0.28179	0.065625	0.15681
0.01582	0.158807	0.00057	0.045584	0.32563	0.054977	0.23571	0.230461	4.78E-07
0.00133	0.209279	5.09E-06	0.023516	0.61223	0.072942	0.11545	0.321361	1.11E-12
0.79236	-0.08352	0.07136	-0.06319	0.17282	-0.05762	0.21393	-0.05311	0.252
1.80E-09	-0.00897	0.84668	0.0807	0.08149	0.039702	0.39199	0.083348	0.07194
0.00439	0.053387	0.24955	0.052693	0.25577	-0.00528	0.90939	0.143486	0.00188
2.79E-06	0.214009	3.06E-06	-0.08343	0.07165	0.056957	0.21924	0.22188	1.28E-06
0.20922	0.101078	0.02896	-0.01096	0.8133	0.035079	0.44949	0.176259	0.00013
0.09201	0.066746	0.14983	0.041266	0.3736	0.099086	0.03229	0.162703	0.00042
0.0228	-0.01344	0.77212	0.010561	0.81994	0.126541	0.00618	0.039938	0.38919
0.00887	0.117052	0.01136	-0.19106	3.24E-05	-0.11869	0.01025	0.030711	0.50794
0.84515	0.140331	0.00237	0.050613	0.27505	0.132137	0.00423	0.284036	4.08E-10
1.30E-06	0.154144	0.00083	-0.02149	0.64327	-0.0955	0.03911	0.048791	0.29271
7.02E-09	-0.00771	0.86803	0.015823	0.73308	-0.00785	0.86567	0.064366	0.16493
0.00644	0.08774	0.05814	-0.07864	0.08962	0.058004	0.21087	0.213223	3.34E-06
4.08E-05	-0.06943	0.1341	-0.07282	0.11607	-0.15898	0.00056	-0.16051	0.0005

0.14961	0.006908	0.88165	0.003418	0.94128	0.005985	0.89736	0.080681	0.08156
0.0322	0.118507	0.01037	-0.01186	0.79823	-0.00104	0.98214	0.121945	0.00834
3.27E-15	0.097283	0.03558	0.166503	0.0003	0.188579	4.11E-05	0.340718	3.71E-14
0.30901	0.145384	0.00163	0.01285	0.78182	0.047862	0.30202	0.209076	5.20E-06
0.20373	0.101937	0.02762	0.03465	0.45506	0.093741	0.04289	0.246367	6.92E-08
0.02229	0.005559	0.90464	-0.1988	1.51E-05	-0.12312	0.00773	-0.09284	0.04495
0.37231	0.01431	0.75776	-0.07276	0.11635	-0.0474	0.30674	0.049981	0.28109
0.05694	0.036152	0.43574	0.01001	0.8292	-0.02162	0.64126	0.120242	0.0093
0.94015	-0.06878	0.13778	-0.12031	0.00926	-0.08405	0.06958	-0.06453	0.16388
6.81E-06	0.074343	0.10861	0.00374	0.93575	0.099734	0.03117	0.122635	0.00798
2.01E-07	-0.08248	0.07497	-0.0204	0.66008	0.014198	0.75959	-0.0298	0.52063
0.60221	0.261091	1.02E-08	0.163494	0.00039	0.203387	9.43E-06	0.389267	2.40E-18
0.02158	0.116382	0.01184	-0.08304	0.073	0.090591	0.05041	0.189038	3.93E-05
0.15696	-0.05085	0.27284	-0.00903	0.84576	-0.03717	0.42291	-0.04242	0.36034
0.01686	-0.10893	0.01853	-0.12806	0.00558	-0.18942	3.79E-05	-0.18149	8.00E-05
3.68E-10	0.035676	0.4418	-0.08421	0.06903	-0.06989	0.13151	-0.03358	0.46915
0.00011	0.027187	0.55783	0.001515	0.97396	0.005999	0.89713	0.12929	0.00514
0.07965	0.048897	0.29166	-0.05657	0.22238	0.168203	0.00026	0.201281	1.17E-05
0.00567	0.072183	0.1193	0.008205	0.85963	0.061006	0.18816	0.168822	0.00025
0.00107	0.12167	0.00849	-0.07247	0.11784	-0.11261	0.0149	0.115356	0.01261
2.93E-15	-0.00476	0.91828	0.015597	0.73673	-0.0608	0.18965	0.054979	0.23569
0.48258	-0.02237	0.62974	-0.02637	0.56971	-0.07288	0.11576	-0.03586	0.43941
3.07E-06	-0.03523	0.44754	0.031693	0.49446	-0.06817	0.14129	0.002055	0.96468
0.00254	0.127806	0.00568	0.076935	0.0968	0.181326	8.12E-05	0.306682	1.26E-11
0.00704	0.053529	0.2483	0.196252	1.94E-05	0.144557	0.00174	0.272521	2.14E-09
6.26E-08	0.031924	0.49132	0.085666	0.06436	0.09125	0.04875	0.156449	0.00069
5.71E-05	0.076554	0.09847	0.040771	0.37936	0.102778	0.02635	0.198381	1.57E-05
0.00064	0.119478	0.00976	0.147811	0.00136	0.120063	0.0094	0.283842	4.20E-10
2.88E-06	0.142309	0.00205	-0.00094	0.98391	0.030658	0.50867	0.172397	0.00018
0.00346	0.022944	0.62092	-0.10964	0.01779	-0.03891	0.40157	0.074622	0.10728
0.00927	0.157211	0.00065	0.022871	0.62202	0.183028	6.94E-05	0.31165	5.62E-12
0.0306	-0.02355	0.61167	-0.01785	0.70037	0.031982	0.49054	0.080563	0.08201
3.60E-08	0.110442	0.01696	-0.01068	0.818	-0.01727	0.7097	0.156248	0.0007
0.01392	0.101533	0.02824	0.024845	0.59228	0.055658	0.22995	0.187971	4.36E-05
0.1554	-0.0028	0.95191	-0.19279	2.74E-05	-0.10106	0.02899	-0.02481	0.59277
1.12E-07	0.043765	0.34533	0.082311	0.07557	0.092925	0.04474	0.176512	0.00013
0.25805	0.073742	0.1115	0.058207	0.20927	0.064123	0.16654	0.211886	3.85E-06
0.00029	0.068121	0.1416	0.100921	0.02921	-0.01443	0.75574	0.015386	0.74017
0.91051	-0.0292	0.52908	0.105462	0.02265	0.033147	0.47487	-0.0258	0.57811
0.01175	0.053149	0.25168	0.028788	0.53488	-0.01577	0.73393	0.038732	0.40367
0.00165	-0.04182	0.36721	0.047928	0.30135	-0.11836	0.01047	-0.17259	0.00018
0.00986	0.059057	0.20269	0.124534	0.00705	-0.0082	0.85979	0.00565	0.90308
0.55939	-0.01968	0.67139	0.098309	0.03368	-0.03022	0.51474	-0.04584	0.32294
0.56399	-0.0246	0.59588	0.060967	0.18844	-0.04836	0.29697	-0.05812	0.20996
0.79645	-0.00493	0.91544	0.141803	0.00213	0.031552	0.49639	-0.00114	0.98033



0.00013	0.037178	0.42281	0.231211	4.38E-07	0.067278	0.1466	0.062549	0.17721
0.6994	-0.01056	0.81989	0.1936	2.53E-05	0.068502	0.13938	0.01634	0.72469
0.82099	0.016408	0.7236	0.273059	1.98E-09	0.207569	6.10E-06	0.204302	8.58E-06
0.83187	-0.01245	0.78847	0.076206	0.10001	-0.03072	0.5078	-0.04037	0.38409
0.03463	0.005421	0.90698	0.156454	0.00069	0.050015	0.28076	0.006587	0.8871
0.23603	0.007297	0.87504	0.114466	0.01332	0.025395	0.5841	-0.00154	0.97348
0.4252	-0.02322	0.61673	0.016225	0.72655	-0.07895	0.08834	-0.09283	0.04496
0.63671	0.004928	0.91541	0.107978	0.0196	-0.00561	0.90368	0.000397	0.99317
0.77994	-0.01324	0.77539	0.145154	0.00166	0.024891	0.59159	0.004034	0.93072
0.04079	0.059532	0.19908	0.09115	0.049	0.00405	0.93045	0.004887	0.91612
0.95179	-0.02422	0.60158	0.095651	0.03881	-0.0224	0.62919	-0.04885	0.29218
0.03821	-0.00638	0.89061	0.244959	8.26E-08	0.080973	0.08046	0.041229	0.37402
6.67E-05	0.099106	0.03226	0.056532	0.22271	0.00804	0.86242	0.044121	0.34142
0.04927	0.030827	0.50634	-0.01479	0.74992	-0.05325	0.25075	0.014471	0.75512
0.01252	0.037096	0.42384	0.092912	0.04477	0.009505	0.83768	0.021453	0.64379
1.68E-08	0.111134	0.01628	0.057216	0.21715	0.036055	0.43697	0.042881	0.35517
1.44E-07	0.059268	0.20108	0.039535	0.39399	-0.00832	0.85765	0.01493	0.7476
0.93713	-0.0157	0.73499	0.134881	0.0035	0.013186	0.77626	-0.01544	0.73935
0.15478	0.039954	0.38899	0.063991	0.16741	0.015829	0.73297	0.002166	0.96276
0.50462	0.010235	0.8254	0.099287	0.03194	0.028862	0.53383	0.008636	0.85234
0.08371	0.052457	0.25791	0.076072	0.10061	-0.00383	0.93418	-0.00581	0.9003
0.23791	0.032618	0.48195	0.197717	1.68E-05	0.189586	3.73E-05	0.210115	4.66E-06
0.52067	-0.00376	0.93538	0.086029	0.06323	-0.01997	0.6669	-0.01052	0.82071
0.01838	0.039431	0.39524	0.073503	0.11267	0.008611	0.85276	0.002559	0.95601
0.89092	0.002604	0.95524	0.104905	0.02338	0.019044	0.68145	0.009996	0.82942
0.27149	0.015236	0.74261	0.085482	0.06493	0.025456	0.58319	0.01558	0.73702
0.82213	-0.00364	0.93743	0.093061	0.04443	0.008187	0.85994	-0.00476	0.91827
0.13058	0.004909	0.91574	0.111622	0.01581	-0.00358	0.93849	-0.00464	0.9204
0.43163	-0.0036	0.9381	0.100685	0.02959	0.005351	0.90818	-0.00921	0.84258
0.08931	0.004156	0.92863	0.101659	0.02804	0.018083	0.69671	0.010716	0.81735
0.92753	0.013131	0.77717	0.06212	0.18021	0.006568	0.88742	0.010246	0.82523
0.14855	0.05983	0.19683	-0.01014	0.827	0.00877	0.85007	-0.03069	0.50823
0.82002	-0.01469	0.75158	0.141072	0.00225	0.004294	0.92627	-0.01097	0.81303
0.59374	-0.03404	0.46302	0.129075	0.00521	-0.00302	0.94812	-0.04128	0.37347
0.91021	-0.01654	0.72142	0.014346	0.75716	-0.07027	0.12945	-0.08456	0.06789
0.4852	0.022031	0.63487	0.049053	0.29013	-0.03604	0.43715	-0.02813	0.54422
0.50997	0.00997	0.82986	0.083988	0.06978	-0.00503	0.9137	-0.00958	0.83639
0.82698	-0.00718	0.87708	0.081977	0.07677	-0.00039	0.99336	-0.01267	0.78481
0.63949	-9.70E-05	0.99833	0.064262	0.16562	-0.00337	0.94204	-0.01121	0.80906
0.87406	-0.00242	0.95843	0.095787	0.03853	-0.00236	0.95947	-0.01338	0.77307
0.87341	-0.0038	0.93466	0.082263	0.07574	0.011159	0.80994	-0.00357	0.93872
0.8923	-0.00059	0.98978	0.110989	0.01642	0.000105	0.99819	-0.01355	0.77024
0.65913	-0.02081	0.65379	0.128967	0.00525	-0.02636	0.56996	-0.03064	0.50888
0.79667	-0.01976	0.67017	0.10292	0.02614	-0.02148	0.64341	-0.0319	0.49169
0.92975	-0.02299	0.62021	0.126455	0.00621	-0.04701	0.31069	-0.04473	0.33479

0.00028	-0.00292	0.94977	0.034227	0.46058	0.026779	0.56377	-0.01968	0.67136
0.1545	0.035869	0.43934	0.026022	0.57485	-0.00984	0.83203	-0.01027	0.82475
1.00E-27	0.079148	0.08754	0.025315	0.58529	-0.028	0.54612	0.014626	0.75258
0.8567	-0.01101	0.81246	0.083541	0.07129	0.009312	0.84093	-0.01015	0.82691
0.85336	-0.0143	0.75787	0.090074	0.05174	-0.00765	0.86901	-0.0166	0.72051
0.80307	-0.01337	0.77327	0.11278	0.01475	0.009482	0.83808	-0.00643	0.88974
0.06004	0.056219	0.22528	0.083089	0.07284	0.003241	0.94431	0.000959	0.9835
0.98575	-0.00136	0.9766	0.08999	0.05196	-0.00255	0.95611	-0.01306	0.77833
0.07867	0.060512	0.19177	0.083453	0.07159	-0.00156	0.97315	-0.00314	0.94607
0.49703	6.67E-05	0.99885	-0.01583	0.73301	-0.02608	0.57402	-0.03232	0.48593
0.88622	-0.01161	0.80248	0.071954	0.12047	0.009261	0.8418	-0.01152	0.80395
0.29073	0.054938	0.23604	0.076526	0.09859	-0.01103	0.81211	-0.0141	0.76121
0.62928	0.015398	0.73997	0.054902	0.23635	-0.00597	0.89769	-0.0122	0.79253
0.41039	0.119145	0.00997	0.118549	0.01035	-0.01394	0.76377	0.036528	0.43098
0.16876	0.014596	0.75307	0.103197	0.02574	0.010981	0.81292	-0.00437	0.92501
0.06131	0.062629	0.17665	0.074173	0.10942	-0.02461	0.59572	0.016622	0.72014
0.00993	0.036189	0.43527	0.080194	0.08342	-0.02348	0.6127	0.007522	0.87122
0.54155	-0.00858	0.85322	0.101045	0.02901	-0.04377	0.34523	-0.01626	0.726
1.12E-08	0.042644	0.35784	0.060259	0.19364	-0.03071	0.50794	0.00546	0.90632
8.59E-08	-0.12045	0.00918	-0.11458	0.01323	-0.08156	0.07829	-0.22771	6.59E-07
4.59E-10	-0.06046	0.19216	0.117164	0.01128	0.119749	0.00959	-0.03368	0.46783
5.00E-15	-0.11937	0.00982	-0.29017	1.64E-10	-0.10454	0.02386	-0.27399	1.74E-09
2.68E-16	0.099017	0.03241	0.115642	0.01239	0.104247	0.02426	0.129829	0.00495
0.08986	-0.03886	0.40211	-0.1302	0.00483	-0.03117	0.50155	-0.11471	0.01312
2.88E-05	-0.15557	0.00074	-0.05476	0.23756	-0.13872	0.00266	-0.273	2.00E-09
4.15E-12	-0.1659	0.00032	-0.00319	0.94512	-0.06002	0.19542	-0.21489	2.78E-06
1.41E-18	-0.28071	6.64E-10	-0.23489	2.83E-07	-0.30484	1.69E-11	-0.51975	1.13E-33
1.57E-32	-0.03179	0.49317	-0.23143	4.27E-07	-0.07507	0.1052	-0.16479	0.00035
3.04E-10	-0.07828	0.09108	-0.05331	0.25025	-0.05543	0.23187	-0.13732	0.00294
0.00015	-0.11578	0.01229	0.076373	0.09926	-0.11709	0.01133	-0.21856	1.86E-06
3.10E-08	-0.05283	0.25457	0.092541	0.04563	0.024517	0.59717	-0.12044	0.00918
7.41E-28	-0.2447	8.54E-08	-0.33531	9.83E-14	-0.25781	1.58E-08	-0.43861	2.23E-23
3.03E-24	-0.14699	0.00145	-0.22978	5.18E-07	-0.12748	0.0058	-0.30656	1.28E-11
0.01055	-0.17705	0.00012	-0.19006	3.56E-05	-0.24413	9.16E-08	-0.39621	5.27E-19
1.39E-26	-0.2101	4.66E-06	-0.08972	0.05266	-0.20641	6.88E-06	-0.36312	5.30E-16
1.02E-18	-0.0402	0.38606	-0.0115	0.8043	-0.14045	0.00235	-0.16819	0.00026
3.17E-14	-0.09905	0.03236	-0.02171	0.63975	0.122944	0.00782	-0.07873	0.08924
1.88E-25	-0.20773	6.00E-06	-0.25165	3.53E-08	-0.1992	1.45E-05	-0.44381	5.86E-24
1.05E-09	-0.0721	0.11974	-0.08879	0.0552	-0.05297	0.2533	-0.16548	0.00033
3.39E-29	-0.11644	0.0118	-0.25525	2.22E-08	-0.06756	0.14494	-0.23296	3.56E-07
8.55E-16	-0.08037	0.08273	-0.13441	0.00361	-0.20162	1.13E-05	-0.24101	1.35E-07
1.72E-14	-0.12351	0.00754	-0.13462	0.00356	-0.16778	0.00027	-0.26048	1.11E-08
2.03E-13	0.03913	0.39886	0.06299	0.17417	0.036846	0.42697	-0.00661	0.88679
4.15E-27	-0.05441	0.24059	-0.15389	0.00085	0.014319	0.75761	-0.12173	0.00845
6.05E-23	-0.17414	0.00016	-0.15907	0.00056	-0.16913	0.00024	-0.274	1.73E-09

1.21E-17	-0.10167	0.02802	-0.05109	0.27052	-0.18937	3.81E-05	-0.273	2.00E-09
4.67E-27	-0.18227	7.45E-05	-0.05299	0.25311	-0.09278	0.04508	-0.28937	1.85E-10
5.51E-35	-0.16413	0.00037	-0.14503	0.00168	-0.19368	2.51E-05	-0.3465	1.28E-14
2.77E-06	-0.10314	0.02582	-0.1001	0.03056	-0.13416	0.00368	-0.23992	1.54E-07
6.89E-25	-0.1519	0.00099	-0.28901	1.95E-10	-0.13771	0.00286	-0.31548	2.99E-12
1.65E-14	-0.25739	1.67E-08	-0.08635	0.06225	-0.19288	2.71E-05	-0.40487	7.57E-20
3.98E-15	-0.22556	8.44E-07	-0.13162	0.00438	-0.225	9.00E-07	-0.4241	8.23E-22
1.57E-11	-0.14604	0.00155	0.045434	0.32723	-0.17085	0.00021	-0.26379	7.12E-09
1.61E-26	-0.00318	0.94538	0.037254	0.42186	0.02683	0.56303	-0.03274	0.48031
2.06E-18	-0.15229	0.00096	-0.0809	0.08075	-0.12262	0.00798	-0.27558	1.39E-09
1.59E-15	-0.20038	1.28E-05	-0.22302	1.13E-06	-0.32263	8.98E-13	-0.43465	6.07E-23
1.01E-18	-0.03526	0.44716	0.295507	7.27E-11	0.280581	6.76E-10	0.166504	0.0003
1.43E-10	-0.09694	0.03623	-0.17894	0.0001	-0.20536	7.69E-06	-0.22758	6.68E-07
3.49E-27	-0.20325	9.56E-06	-0.09558	0.03895	-0.17249	0.00018	-0.33969	4.47E-14
2.41E-11	-0.13475	0.00353	-0.12346	0.00756	-0.07005	0.13063	-0.21629	2.39E-06
0.50771	-0.14382	0.00183	0.025622	0.58074	-0.23012	4.98E-07	-0.29897	4.25E-11
3.18E-05	-0.16791	0.00027	-0.14731	0.00141	-0.20316	9.66E-06	-0.33738	6.78E-14
1.27E-13	-0.10695	0.02079	-0.1289	0.00528	-0.09379	0.04278	-0.18708	4.74E-05
5.71E-07	-0.00146	0.97498	-0.072	0.12021	-0.04435	0.33893	-0.0496	0.28481
1.88E-24	-0.15752	0.00063	-0.09315	0.04421	-0.12668	0.00612	-0.31908	1.64E-12
1.13E-19	-0.14585	0.00158	-0.26578	5.43E-09	-0.19302	2.67E-05	-0.39264	1.16E-18
3.05E-10	0.055001	0.23551	-0.22858	5.95E-07	-0.20391	8.93E-06	-0.23552	2.62E-07
3.91E-06	-0.1642	0.00037	-0.17872	0.0001	-0.1338	0.00377	-0.31098	6.26E-12
7.60E-14	-0.07212	0.11964	0.034574	0.45605	-0.08827	0.05662	-0.18257	7.24E-05
1.32E-07	-0.11	0.01741	-0.20648	6.84E-06	-0.25605	2.00E-08	-0.36354	4.88E-16
7.15E-13	-0.227	7.15E-07	-0.20193	1.10E-05	-0.22095	1.42E-06	-0.43292	9.37E-23
4.24E-05	-0.20179	1.11E-05	-0.14615	0.00154	-0.23749	2.07E-07	-0.41735	4.16E-21
2.10E-19	-0.16055	0.0005	-0.2319	4.04E-07	-0.21508	2.73E-06	-0.44648	2.92E-24
2.11E-33	-0.02395	0.60572	0.046071	0.32048	0.011997	0.79596	-0.02542	0.5838
2.22E-16	-0.20978	4.83E-06	-0.141	0.00226	-0.11512	0.0128	-0.30198	2.66E-11
1.20E-08	-0.17444	0.00015	-0.18483	5.86E-05	-0.15729	0.00065	-0.31692	2.35E-12
2.80E-10	-0.24456	8.69E-08	-0.09366	0.04306	-0.1862	5.15E-05	-0.3159	2.79E-12
0.21338	-0.11621	0.01197	-0.15242	0.00095	-0.14562	0.0016	-0.24082	1.38E-07
1.58E-16	-0.19594	2.00E-05	-0.19849	1.55E-05	-0.32329	8.02E-13	-0.45008	1.13E-24
8.03E-23	-0.22911	5.60E-07	-0.17071	0.00021	-0.24057	1.42E-07	-0.43412	6.94E-23
2.42E-25	-0.12872	0.00534	-0.1475	0.00139	-0.13903	0.0026	-0.32294	8.51E-13
2.17E-15	-0.04904	0.29027	-0.0711	0.12494	-0.08002	0.08411	-0.1718	0.00019
1.11E-09	-0.16846	0.00026	-0.32031	1.33E-12	-0.30047	3.37E-11	-0.40602	5.82E-20
1.44E-20	-0.04128	0.37342	-0.00169	0.97092	-0.03851	0.4064	-0.15035	0.00112
3.83E-08	-0.27421	1.68E-09	-0.08908	0.0544	-0.21468	2.85E-06	-0.44517	4.11E-24
1.82E-09	0.019257	0.67809	0.204086	8.77E-06	0.226867	7.26E-07	0.112377	0.01511
4.63E-13	0.04956	0.28517	0.206441	6.87E-06	0.27768	1.03E-09	0.128909	0.00527
1.43E-17	-0.17323	0.00017	-0.14649	0.0015	-0.16964	0.00023	-0.34721	1.12E-14
3.71E-20	-0.10251	0.02674	-0.21045	4.49E-06	-0.00649	0.88879	-0.16723	0.00028
8.14E-15	-0.20419	8.68E-06	-0.11207	0.0154	-0.17716	0.00012	-0.37297	7.35E-17

1.86E-19	-0.20631	6.96E-06	-0.13645	0.00313	-0.17329	0.00017	-0.3999	2.32E-19
2.10E-18	-0.24378	9.57E-08	-0.16128	0.00047	-0.29873	4.42E-11	-0.48207	1.50E-28
1.14E-14	-0.1724	0.00018	-0.26487	6.15E-09	-0.14794	0.00135	-0.33315	1.44E-13
1.51E-21	-0.12687	0.00604	-0.20827	5.67E-06	-0.11179	0.01565	-0.27337	1.89E-09
8.91E-28	-0.06308	0.17355	-0.03191	0.49146	-0.13187	0.00431	-0.1587	0.00058
1.22E-23	-0.14114	0.00223	-0.1725	0.00018	-0.14252	0.00202	-0.27835	9.33E-10
7.29E-11	-0.25731	1.69E-08	-0.14324	0.00192	-0.11372	0.01394	-0.35981	1.01E-15
8.87E-14	-0.26303	7.89E-09	-0.09836	0.03358	-0.24411	9.19E-08	-0.42792	3.24E-22
9.76E-18	-0.14797	0.00134	-0.19851	1.55E-05	-0.12904	0.00523	-0.30391	1.96E-11
2.86E-08	-0.07984	0.08479	-0.04545	0.32704	-0.14247	0.00203	-0.23097	4.50E-07
9.24E-08	-0.0162	0.72704	-0.14478	0.00171	-0.1471	0.00143	-0.14492	0.00169
3.00E-07	-0.1142	0.01354	-0.08986	0.05231	-0.07867	0.0895	-0.22368	1.05E-06
1.31E-13	-0.07841	0.09053	-0.00113	0.98059	-0.10071	0.02954	-0.20693	6.52E-06
1.05E-13	-0.14739	0.0014	-0.20282	9.99E-06	-0.35077	5.74E-15	-0.46488	2.05E-26
2.56E-33	-0.1447	0.00172	-0.13009	0.00487	-0.19172	3.04E-05	-0.31247	4.91E-12
5.69E-06	0.063207	0.17269	-0.06299	0.17416	-0.11756	0.01101	-0.11599	0.01213
2.22E-19	-0.10887	0.0186	-0.10895	0.01852	-0.1503	0.00112	-0.26184	9.26E-09
3.16E-20	-0.18775	4.45E-05	-0.10263	0.02657	-0.08979	0.05249	-0.27184	2.35E-09
6.21E-14	-0.11373	0.01393	-0.03724	0.42209	-0.05687	0.21995	-0.1155	0.0125
0.00184	-0.06344	0.17114	-0.16925	0.00024	-0.13864	0.00268	-0.22376	1.04E-06
9.75E-13	0.033782	0.46643	0.023282	0.61577	0.099153	0.03217	0.076158	0.10023
6.89E-18	-0.29013	1.65E-10	-0.03631	0.43378	-0.07998	0.08424	-0.3558	2.20E-15
3.35E-25	-0.07697	0.09664	0.08447	0.06818	0.021687	0.64018	-0.07335	0.11343
2.54E-10	-0.0146	0.75303	0.123536	0.00752	0.112425	0.01507	0.040494	0.38261
1.76E-18	-0.15769	0.00063	-0.07779	0.09315	-0.1914	3.13E-05	-0.31733	2.20E-12
5.86E-30	-0.05591	0.22787	-0.18572	5.39E-05	-0.10294	0.02612	-0.22758	6.69E-07
1.77E-10	-0.12824	0.00552	-0.1979	1.65E-05	-0.14818	0.00132	-0.28454	3.79E-10
4.94E-19	-0.32687	4.34E-13	-0.17383	0.00016	-0.25884	1.38E-08	-0.52869	5.50E-35
4.79E-26	0.000157	0.9973	-0.01895	0.68291	-0.00472	0.91894	-0.04961	0.28469
1.72E-11	-0.23462	2.92E-07	-0.15375	0.00086	-0.16245	0.00042	-0.36116	7.79E-16
1.43E-26	-0.09346	0.04351	-0.09308	0.04439	-0.14957	0.00119	-0.26329	7.62E-09
3.10E-27	-0.13107	0.00455	0.061465	0.18485	-0.10925	0.01819	-0.25869	1.41E-08
4.01E-12	-0.21526	2.67E-06	-0.2052	7.82E-06	-0.12915	0.00519	-0.36601	2.99E-16
1.20E-23	-0.23165	4.16E-07	-0.14341	0.00189	-0.11878	0.01019	-0.3704	1.24E-16
4.61E-08	-0.09096	0.04947	-0.05958	0.19873	-0.13679	0.00305	-0.17853	0.0001
1.01E-16	-0.18571	5.40E-05	-0.06751	0.1452	-0.10825	0.01929	-0.28127	6.12E-10
1.94E-14	-0.24344	9.98E-08	-0.08715	0.05985	-0.17045	0.00022	-0.34808	9.52E-15
4.24E-18	-0.27388	1.76E-09	-0.16239	0.00043	-0.16971	0.00023	-0.44095	1.22E-23
2.93E-14	-0.08291	0.07345	0.013025	0.77892	-0.04065	0.38072	-0.1069	0.02086
0.00167	-0.13208	0.00425	-0.06842	0.13987	-0.2208	1.45E-06	-0.31469	3.40E-12
1.80E-11	-0.03269	0.48097	0.024329	0.59998	0.044463	0.33769	-0.06217	0.17983
5.49E-20	-0.14349	0.00188	-0.28783	2.33E-10	-0.15537	0.00075	-0.33513	1.01E-13
1.34E-11	-0.19498	2.21E-05	-0.16116	0.00047	-0.34472	1.78E-14	-0.46509	1.93E-26
1.17E-21	-0.19199	2.96E-05	-0.24648	6.83E-08	-0.33193	1.79E-13	-0.47361	1.75E-27
3.71E-06	-0.23289	3.59E-07	-0.18653	5.00E-05	-0.28944	1.83E-10	-0.47095	3.72E-27

1.53E-21	-0.23883	1.76E-07	-0.20392	8.93E-06	-0.14621	0.00153	-0.39697	4.46E-19
3.79E-18	-0.1379	0.00282	0.024692	0.59456	-0.04148	0.37109	-0.16744	0.00028
1.48E-31	-0.23386	3.20E-07	-0.23125	4.36E-07	-0.29072	1.51E-10	-0.48481	6.69E-29
9.71E-18	-0.0831	0.07279	-0.0459	0.32223	-0.05219	0.26031	-0.17476	0.00015
0.01601	0.014314	0.7577	0.06905	0.13624	0.042136	0.36359	0.017332	0.70872
2.64E-16	-0.08409	0.06945	-0.1943	2.36E-05	-0.07913	0.08763	-0.23243	3.79E-07
4.18E-08	-0.11614	0.01202	-0.10737	0.0203	-0.21848	1.87E-06	-0.28732	2.51E-10
2.26E-15	-0.27008	3.00E-09	-0.079	0.08814	-0.27827	9.44E-10	-0.46397	2.63E-26
9.48E-09	-0.04928	0.28787	-0.13251	0.00412	-0.17166	0.00019	-0.18425	6.19E-05
1.76E-34	-0.08051	0.0822	-0.27205	2.28E-09	-0.20122	1.18E-05	-0.3084	9.53E-12
1.98E-29	-0.00909	0.84476	-0.04335	0.34998	0.044855	0.33344	-0.05298	0.2532
6.94E-19	-0.1877	4.47E-05	-0.23217	3.91E-07	-0.13978	0.00247	-0.32002	1.40E-12
2.11E-07	-0.13154	0.00441	-0.04865	0.29414	-0.13319	0.00393	-0.25394	2.63E-08
6.12E-05	0.004358	0.92516	-0.03582	0.43999	0.008393	0.85646	-0.04655	0.3155
3.65E-21	-0.23886	1.75E-07	-0.16431	0.00036	-0.28343	4.46E-10	-0.43357	7.97E-23
5.13E-21	-0.01146	0.8049	-0.00191	0.96714	0.016197	0.72701	-0.04147	0.37124
1.69E-20	-0.04513	0.33043	-0.05179	0.26406	-0.03669	0.42894	-0.0948	0.04058
1.26E-23	-0.11957	0.0097	-0.17841	0.00011	0.030566	0.50995	-0.16147	0.00046
0.00036	-0.05005	0.28043	0.007059	0.87908	0.016591	0.72064	-0.06156	0.18419
1.22E-11	0.121287	0.0087	-0.10356	0.02522	-0.03426	0.46021	-0.03337	0.47191
7.10E-13	0.145102	0.00167	-0.10202	0.02749	-0.00258	0.95564	0.113021	0.01454
1.23E-30	0.160197	0.00051	0.029991	0.51795	-0.02572	0.57932	0.032675	0.48118
0.00714	0.083097	0.07281	-0.05354	0.24824	-0.03136	0.49899	-0.00126	0.97831
2.35E-05	0.093045	0.04446	-0.06469	0.1628	-0.01831	0.6931	0.016502	0.72209
0.03661	0.067564	0.14489	-0.05594	0.2276	-0.04217	0.3632	0.001173	0.97982
0.13409	0.020768	0.6544	-0.01317	0.77647	-0.0783	0.09099	-0.11061	0.01679
1.26E-11	0.123509	0.00754	0.05429	0.24163	0.013721	0.76743	0.028396	0.54045
4.10E-15	0.097363	0.03543	-0.05969	0.19787	-0.07262	0.11708	-0.01921	0.67888
2.86E-16	0.243058	1.05E-07	-0.00743	0.87272	0.032623	0.48188	0.11448	0.01331
0.01968	0.276575	1.20E-09	0.0901	0.05168	0.176717	0.00012	0.237704	2.02E-07
2.21E-42	0.206574	6.77E-06	-0.01428	0.75817	0.004224	0.92745	0.106327	0.02156
0.01079	0.127271	0.00588	0.040216	0.38589	0.018756	0.68602	0.046228	0.31884
2.09E-24	0.107788	0.01981	-0.01292	0.78058	-0.06508	0.16032	0.001426	0.97549
7.35E-14	0.187508	4.55E-05	-0.03493	0.45141	-0.01246	0.78825	-0.00125	0.97859
3.67E-12	0.14346	0.00188	0.005326	0.90861	0.032615	0.48198	0.050513	0.27599
0.00094	0.181468	8.02E-05	-0.01698	0.71432	0.036517	0.43111	0.11543	0.01256
4.17E-11	0.142258	0.00206	-0.01536	0.74055	-0.00413	0.92902	0.022954	0.62075
1.12E-11	0.123771	0.00741	-0.04141	0.37188	0.011205	0.80916	-0.01023	0.82545
0.02186	0.110358	0.01704	-0.08322	0.07239	-0.03255	0.48282	-0.01576	0.73404
1.77E-12	0.163012	0.0004	-0.00333	0.94281	0.070764	0.12675	0.062911	0.17471
3.13E-14	0.114057	0.01365	-0.04143	0.37172	-0.04518	0.3299	-0.01061	0.81916
3.85E-05	0.051133	0.27013	-0.0028	0.95187	-0.01264	0.78524	-0.0224	0.62929
3.37E-08	0.147306	0.00141	-0.02964	0.52291	-0.00315	0.94594	0.019537	0.67367
6.39E-07	0.076604	0.09825	-0.05042	0.27693	0.004741	0.91861	0.014931	0.74759
0.00753	0.055677	0.22979	-0.11165	0.01578	-0.05184	0.26357	-0.10346	0.02536

1.05E-06	0.182642	7.19E-05	0.073005	0.11514	0.118526	0.01036	0.232068	3.96E-07
0.00711	0.048622	0.29439	-0.06566	0.15656	-0.02806	0.54523	-0.01358	0.76977
0.04514	0.013467	0.77162	-0.02238	0.62957	-0.04236	0.36101	-0.08752	0.05877
1.61E-06	0.131486	0.00442	-0.03924	0.39752	-0.01408	0.76158	0.010982	0.8129
3.24E-15	0.149667	0.00118	-0.04276	0.35654	-0.00143	0.97547	0.034517	0.45679
6.16E-05	0.145646	0.0016	0.005091	0.91263	0.052126	0.26093	0.065407	0.15819
2.05E-64	0.150762	0.00108	0.05908	0.20252	-0.00925	0.84194	0.091577	0.04794
3.23E-09	0.143274	0.00191	-0.01244	0.78859	0.035354	0.44594	0.074556	0.1076
0.39576	0.061461	0.18488	0.008875	0.84831	0.127084	0.00596	-0.01073	0.8171
0.00076	0.103652	0.02509	-0.0242	0.60196	-0.00587	0.89936	0.08776	0.05808
7.14E-07	0.084095	0.06942	-0.06282	0.17534	-0.08237	0.07537	-0.04157	0.37006
0.00018	0.13272	0.00406	-0.05881	0.20457	0.009802	0.83269	0.07467	0.10706
2.35E-06	0.090744	0.05002	-0.01877	0.68587	-0.02668	0.56518	0.014177	0.75995
0.02515	0.055799	0.22877	-0.13881	0.00265	-0.09274	0.04516	-0.084	0.06973
1.75E-05	0.126829	0.00606	-0.02308	0.61879	0.008552	0.85376	0.01717	0.71133
8.62E-10	0.167762	0.00027	-0.04787	0.30191	-0.01311	0.77758	0.028629	0.53714
1.67E-13	0.226218	7.82E-07	0.078619	0.08969	0.117912	0.01077	0.149186	0.00122
6.27E-15	0.412424	1.33E-20	0.167624	0.00027	0.229267	5.50E-07	0.455408	2.73E-25
8.61E-09	0.115311	0.01265	-0.08748	0.05888	-0.02235	0.63	-0.00099	0.9829
4.56E-18	0.115451	0.01254	-0.08903	0.05453	-0.05853	0.20678	-0.01392	0.7641
4.45E-12	0.114213	0.01352	-0.07738	0.09486	-0.00921	0.84258	-0.00311	0.9466
7.33E-08	0.104565	0.02383	-0.02577	0.57857	0.026584	0.56662	0.060253	0.19368
3.62E-07	0.08084	0.08096	-0.03165	0.49506	0.012266	0.7915	0.029267	0.52811
3.53E-15	0.145538	0.00161	-0.05664	0.22181	0.023923	0.60609	-0.01124	0.80864
1.33E-14	0.142119	0.00208	0.027457	0.55394	0.02205	0.63458	0.050085	0.28008
1.73E-06	0.253729	2.70E-08	0.040734	0.37979	0.131794	0.00433	0.272281	2.21E-09
6.35E-15	0.164532	0.00036	-0.02365	0.61024	0.024786	0.59315	0.048462	0.29599
0.02708	0.096288	0.03752	-0.08405	0.06957	-0.05007	0.28028	-0.01823	0.69443
0.0222	0.065028	0.16062	-0.07938	0.0866	-0.05557	0.23067	-0.0691	0.13596
0.00013	0.097642	0.03491	-0.08677	0.06098	-0.03625	0.43453	0.030712	0.50792
6.80E-22	0.202915	9.90E-06	0.077686	0.09357	0.145485	0.00162	0.228464	6.04E-07
3.30E-06	0.07451	0.10781	-0.0991	0.03227	0.025401	0.58401	0.02696	0.56113
1.36E-12	0.158797	0.00057	-0.0586	0.20625	-0.04114	0.37511	0.014809	0.74959
1.49E-24	0.227375	6.85E-07	-0.02972	0.52169	-0.00893	0.84733	0.049245	0.28824
1.22E-07	0.117123	0.01131	-0.04924	0.2883	-0.00851	0.85453	0.038528	0.40616
5.21E-25	0.118514	0.01037	-0.00887	0.84832	-0.03198	0.49055	0.018464	0.69065
7.25E-07	0.072473	0.11781	-0.05212	0.26096	-0.0034	0.94161	-0.03533	0.44621
1.92E-16	0.104932	0.02334	-0.00368	0.93677	-0.02455	0.59673	0.020623	0.65666
1.48E-26	0.199508	1.40E-05	0.054453	0.24021	-0.0155	0.7383	0.088134	0.05701
3.69E-13	0.117605	0.01098	-0.13524	0.00341	-0.09622	0.03766	0.002974	0.9489
2.51E-28	0.155564	0.00074	-0.01949	0.67438	0.005836	0.89991	0.052362	0.25877
4.08E-06	0.143432	0.00189	-0.08932	0.05374	0.006804	0.88342	-0.02112	0.64896
0.00543	0.063054	0.17373	-0.06513	0.15999	-0.07128	0.12402	-0.08154	0.07834
2.20E-06	0.063847	0.16837	0.013641	0.76876	0.021833	0.63792	-0.00655	0.8878
8.93E-07	0.103265	0.02564	-0.07692	0.09687	-0.01553	0.73782	-0.02935	0.52688

7.67E-05	0.142043	0.00209	-0.06097	0.18841	-0.00657	0.88737	0.046642	0.31452
7.04E-06	0.169602	0.00023	-0.04125	0.37377	-0.01303	0.77888	0.023328	0.61508
1.04E-07	0.12715	0.00593	0.087741	0.05813	0.004211	0.92768	0.050116	0.27979
	0.01266	0.084862	0.06691	0.052428	0.25817	-0.00726	0.8757	0.048802
2.23E-06	0.078901	0.08854	-0.10646	0.02139	-0.07691	0.09691	-0.02964	0.52281
	0.22458	0.005287	0.90929	-0.03954	0.39398	-0.0087	0.8513	-0.0841
4.94E-06	0.117836	0.01082	-0.09653	0.03704	-0.04729	0.3078	-0.02248	0.62801
	0.02371	0.052755	0.25521	-0.05715	0.21769	-0.03244	0.48434	-0.01783
1.09E-06	0.119553	0.00971	-0.00871	0.85108	0.006399	0.8903	0.036559	0.43058
3.70E-11	0.462512	3.94E-26	0.015567	0.73724	0.049191	0.28877	0.252847	3.03E-08
	0.00307	0.145256	0.00165	-0.07059	0.12768	-0.02465	0.59524	0.014095
2.84E-60	0.176547	0.00013	0.029031	0.53143	0.001086	0.98132	0.073575	0.11232
	0.00521	0.164387	0.00036	0.111735	0.0157	0.074205	0.10927	0.138014
9.14E-09	0.178737	0.0001	-0.06345	0.17102	-0.03971	0.39191	0.013867	0.76503
	0.02619	0.055069	0.23492	-0.00556	0.9047	0.020303	0.66166	0.00674
2.05E-05	0.106324	0.02156	0.056421	0.22362	0.139646	0.00249	0.140498	0.00234
	0.00015	0.051412	0.26752	-0.08587	0.06374	-0.03799	0.41273	-0.04547
4.02E-10	0.143835	0.00183	-0.02083	0.6535	0.016088	0.72877	0.054	0.24415
	0.60608	0.065782	0.15581	0.079461	0.0863	0.093101	0.04434	0.033699
	0.00811	0.050017	0.28074	-0.10518	0.02301	-0.02508	0.58876	-0.02916
3.56E-08	0.113548	0.01408	-0.05849	0.20704	-0.01085	0.81507	0.044568	0.33654
	0.00243	0.045861	0.3227	-0.07504	0.10535	-0.03463	0.45532	-0.06518
	0.00433	0.046304	0.31804	-0.15847	0.00059	-0.07047	0.12836	-0.09723
6.03E-16	0.124019	0.00729	-0.01946	0.67494	-0.00145	0.97506	0.079336	0.08679
	0.2058	0.12095	0.00889	0.039713	0.39186	0.155878	0.00072	0.200798
	0.00031	0.147104	0.00143	0.015306	0.74148	0.0987	0.03297	0.204054
	0.0005	0.102399	0.02692	-0.02241	0.62913	0.111697	0.01574	0.044474
7.60E-12	0.150384	0.00112	-0.02479	0.59302	-0.02109	0.64947	0.025811	0.57796
3.50E-09	0.114543	0.01326	-0.07751	0.09432	-0.08055	0.08207	0.024215	0.60169
1.91E-06	0.152188	0.00097	-0.16835	0.00026	-0.1259	0.00644	-0.05726	0.21679
2.23E-10	0.121812	0.00841	-0.07301	0.11513	-0.03442	0.45811	0.05686	0.22003
1.38E-20	0.107929	0.01965	-0.02473	0.59393	-0.06472	0.16264	0.029643	0.52282
1.98E-07	0.121685	0.00848	-0.03615	0.43578	-0.05671	0.22124	-0.00552	0.90531
4.42E-18	0.140086	0.00241	0.065866	0.15529	0.133645	0.00381	0.131514	0.00442
4.01E-06	0.132384	0.00416	-0.04557	0.32573	-0.00655	0.88781	0.015395	0.74002
	0.00038	0.096739	0.03663	-0.03268	0.48116	0.01008	0.82801	0.040453
	0.00091	0.134172	0.00367	0.010148	0.82687	0.016271	0.72582	0.049765
	0.00142	0.120491	0.00915	-0.05115	0.27001	-0.02447	0.59783	-0.01399
	0.00312	0.04589	0.32239	-0.11967	0.00964	-0.05277	0.25511	-0.08037
	0.03092	0.07683	0.09725	-0.07178	0.1214	-0.06294	0.1745	-0.011
1.42E-06	0.049762	0.2832	-0.10389	0.02476	0.020354	0.66086	-0.04724	0.30835
4.80E-44	0.123888	0.00735	0.015892	0.73196	-0.02608	0.57395	0.052804	0.25477
4.12E-05	0.074764	0.10661	-0.08574	0.06412	-0.02128	0.64642	-0.02238	0.62959
7.79E-08	0.208953	5.27E-06	-0.02163	0.64099	-0.0176	0.70436	0.025678	0.57992
1.13E-12	0.232119	3.93E-07	-0.03075	0.50746	-0.01413	0.76069	0.050396	0.2771

1.46E-12	0.131198	0.00451	0.063028	0.17391	0.016423	0.72335	0.052231	0.25996
0.05013	0.113817	0.01385	-0.13771	0.00286	-0.08132	0.07917	-0.02165	0.6407
0.34555	0.043448	0.34884	-0.11262	0.01489	-0.09904	0.03237	-0.04139	0.37211
4.42E-09	0.303073	2.23E-11	0.177864	0.00011	0.306215	1.35E-11	0.441388	1.09E-23
0.00576	0.112425	0.01507	-0.05927	0.20107	-0.01243	0.78884	0.035224	0.44762
0.07539	0.047172	0.30904	-0.08904	0.05449	-0.07311	0.1146	-0.0467	0.31393
0.0091	0.068575	0.13896	-0.02334	0.61486	-0.02946	0.5254	-0.00046	0.99208
0.00023	-7.85E-05	0.99865	-0.15725	0.00065	-0.10814	0.01941	-0.1323	0.00418
0.75903	-0.02899	0.53197	-0.1717	0.00019	-0.06152	0.18449	-0.15121	0.00105
8.88E-13	0.129089	0.00521	-0.05625	0.22501	-0.00669	0.88533	0.032239	0.48706
6.70E-13	0.136244	0.00318	-0.05981	0.19697	-0.03051	0.51074	-0.00278	0.95219
1.80E-07	0.10423	0.02429	-0.00873	0.85084	0.021524	0.64269	0.034314	0.45944
5.81E-10	0.167805	0.00027	0.004925	0.91547	0.027005	0.56048	0.055431	0.23186
3.35E-23	0.182151	7.53E-05	0.018707	0.68678	0.005906	0.8987	0.047008	0.31073
0.01343	0.08552	0.06482	-0.09641	0.03728	-0.06846	0.13961	-0.03958	0.39351
5.13E-15	0.124785	0.00693	-0.02642	0.56906	-0.00425	0.92694	0.033215	0.47396
0.00102	0.089481	0.05331	-0.08556	0.06469	-0.01045	0.82187	-0.01837	0.69221
4.97E-23	0.072526	0.11755	-0.10425	0.02426	-0.11777	0.01086	-0.01987	0.66838
2.15E-14	0.22061	1.48E-06	0.034397	0.45836	0.121236	0.00873	0.213276	3.32E-06
0.00011	0.067309	0.14642	-0.1521	0.00098	-0.11047	0.01693	-0.05927	0.20104
0.03249	0.064686	0.16283	0.005847	0.89972	-0.01192	0.79719	0.045784	0.32351
0.00235	0.096289	0.03752	-0.01804	0.69746	-0.01718	0.71118	0.001565	0.9731
0.10918	0.045213	0.32959	-0.09203	0.04685	-0.04826	0.298	-0.04825	0.29813
2.50E-14	0.074724	0.1068	-0.00225	0.96139	-0.03796	0.41308	-0.02063	0.65658
4.46E-51	0.173613	0.00016	0.01624	0.72631	-0.01289	0.7812	0.079137	0.08759
4.73E-08	0.061141	0.18718	-0.13062	0.0047	-0.11129	0.01613	-0.03749	0.41896
0.00495	0.129022	0.00523	-0.03602	0.43744	-0.00535	0.90827	0.028305	0.54176
0.00246	0.09036	0.051	-0.04196	0.36563	0.083786	0.07046	0.035034	0.45007
7.89E-12	0.193951	2.44E-05	-0.0435	0.34826	-0.09373	0.04292	-0.00655	0.88777
0.00195	0.087528	0.05875	0.002668	0.95414	0.120395	0.00921	0.13451	0.00359
7.24E-60	0.188268	4.24E-05	0.008098	0.86145	0.003604	0.93809	0.10653	0.02131
0.00919	0.019444	0.67514	-0.17983	9.32E-05	-0.04209	0.36409	-0.07882	0.08887
2.81E-14	0.140068	0.00242	-0.03926	0.39724	-0.00859	0.85315	0.023642	0.61032
1.56E-07	0.156634	0.00068	-0.08001	0.08412	-0.0398	0.39078	0.003794	0.93484
2.08E-30	0.131732	0.00435	-0.00357	0.93874	0.000841	0.98553	0.057779	0.21265
5.38E-32	0.063195	0.17277	-0.12293	0.00783	-0.13322	0.00393	-0.06543	0.15806
0.12474	0.033082	0.47572	-0.12244	0.00808	0.010882	0.81456	-0.03493	0.45136
0.513	0.064488	0.16413	0.061453	0.18494	0.111292	0.01613	0.049019	0.29046
7.00E-17	0.158054	0.00061	-0.04477	0.33437	-0.03899	0.40053	0.011585	0.80282
1.56E-13	0.167842	0.00027	-0.04799	0.30076	-0.06274	0.17587	0.00707	0.87888
9.31E-05	0.200975	1.21E-05	0.015352	0.74073	0.052042	0.2617	0.087665	0.05835
2.34E-08	0.063103	0.1734	0.040413	0.38356	-0.04457	0.33648	0.006209	0.89355
3.54E-62	0.164661	0.00035	0.018166	0.69539	0.030618	0.50922	0.128369	0.00547
8.02E-05	0.128389	0.00546	-0.04667	0.31421	0.080349	0.08283	0.054924	0.23617
2.47E-07	0.124705	0.00697	0.049985	0.28105	0.078838	0.0888	0.149292	0.00121



4.08E-06	0.296045	6.70E-11	-0.00385	0.93388	0.026547	0.56716	0.143693	0.00185
4.48E-16	0.16078	0.00049	0.092703	0.04525	0.154479	0.00081	0.233283	3.43E-07
3.51E-06	0.111048	0.01636	-0.00722	0.87634	0.011416	0.80564	0.017682	0.70311
0.02429	0.037112	0.42363	-0.0728	0.11614	-0.02122	0.64736	-0.09027	0.05123
0.18689	0.009308	0.841	-0.08597	0.06342	-0.03768	0.41653	-0.05618	0.22561
0.00241	0.078643	0.08959	-0.06732	0.14635	-0.0475	0.3057	-0.0162	0.72695
0.0001	0.15828	0.0006	-0.03555	0.44339	0.007581	0.87021	0.01806	0.69708
0.00222	0.077155	0.09584	-0.04306	0.35321	-0.04515	0.33027	0.012567	0.7865
0.00427	0.111919	0.01553	0.024746	0.59375	-0.01077	0.81652	0.025813	0.57793
1.90E-05	0.19953	1.40E-05	-0.03045	0.51157	-0.00658	0.88726	0.012505	0.78753
0.00638	0.0702	0.12981	-0.05575	0.22919	-0.08341	0.07173	-0.02572	0.57929
1.07E-05	0.074071	0.10991	-0.03132	0.49959	-0.01546	0.73892	-0.00305	0.94758
1.20E-05	0.086571	0.06158	0.010311	0.82413	-0.00709	0.87861	0.018774	0.68572
9.84E-05	0.124298	0.00716	-0.05144	0.26723	-0.03107	0.50304	-0.01902	0.68189
0.00422	0.032624	0.48186	-0.03736	0.42056	-0.0377	0.41629	-0.0072	0.87674
3.78E-10	0.297691	5.19E-11	-0.03587	0.43935	0.006579	0.88724	0.098858	0.03269
8.26E-20	0.149238	0.00122	0.017802	0.70119	-0.01651	0.72187	0.037501	0.41879
1.20E-05	0.122086	0.00826	0.007995	0.86319	0.017434	0.70709	0.017876	0.70001
4.06E-09	0.13505	0.00346	-0.13746	0.00291	-0.09178	0.04746	-0.04486	0.33334
0.00753	0.180147	9.05E-05	-0.03531	0.44657	-0.00934	0.84039	0.0375	0.41881
1.40E-07	0.127301	0.00587	-0.0363	0.4338	-0.00207	0.9644	0.012936	0.78039
0.00369	0.109707	0.01771	-0.06058	0.19128	-0.03232	0.48593	-0.01732	0.70894
1.14E-07	0.071408	0.12332	-0.01842	0.69138	0.015108	0.7447	0.019192	0.67912
6.70E-13	0.153746	0.00086	0.030559	0.51004	0.052555	0.25702	0.0344	0.45832
7.10E-06	0.150557	0.0011	0.066065	0.15404	0.023085	0.61876	0.035349	0.44601
3.56E-16	0.192374	2.85E-05	-0.05378	0.24608	-0.00798	0.86348	0.048172	0.29889
1.42E-12	0.140804	0.00229	-0.05504	0.2352	-0.02142	0.6443	0.009182	0.84313
1.03E-47	0.169488	0.00023	0.008138	0.86077	-0.01344	0.7721	0.067479	0.1454
9.24E-11	0.307012	1.19E-11	0.109769	0.01765	0.169387	0.00024	0.289513	1.81E-10
8.85E-24	0.188189	4.27E-05	-0.10093	0.0292	-0.01453	0.75417	0.105779	0.02224
0.05621	0.044858	0.33341	-0.14078	0.00229	-0.05942	0.19993	-0.08176	0.07754
0.01072	0.201955	1.09E-05	0.185671	5.42E-05	0.315333	3.06E-12	0.435066	5.47E-23
4.88E-13	0.165733	0.00032	-0.00242	0.95838	0.058708	0.20537	0.106222	0.02169
1.93E-06	0.276898	1.15E-09	-0.03081	0.50656	-0.04939	0.28679	0.023724	0.60909
0.0025	0.077955	0.09244	0.057323	0.21629	0.026863	0.56254	0.010188	0.8262
1.17E-23	0.109348	0.01809	-0.01176	0.79984	-0.05203	0.26184	0.03998	0.38868
3.49E-15	0.088809	0.05513	0.023263	0.61607	0.016945	0.71494	0.059558	0.19888
0.21943	0.054454	0.24021	-0.09423	0.04182	-0.05316	0.25158	-0.04863	0.29435
0.02717	0.067761	0.14372	-0.12905	0.00522	-0.08742	0.05908	-0.0613	0.18604
0.03987	0.081195	0.07963	-0.0624	0.17826	-0.0754	0.10365	-0.04098	0.37688
1.71E-25	0.164723	0.00035	0.108906	0.01856	0.027601	0.55185	0.12992	0.00492
1.06E-08	0.107356	0.02032	-0.04115	0.37497	0.036421	0.43233	0.00405	0.93044
1.27E-08	0.147333	0.00141	0.038822	0.40258	-0.01589	0.73197	0.020314	0.66148
2.33E-07	0.135906	0.00325	-0.05571	0.22951	-0.07984	0.08481	0.05252	0.25734
0.06665	0.023075	0.61892	-0.04313	0.3524	-0.09686	0.03639	-0.08266	0.07433

5.75E-08	0.111872	0.01558	-0.07502	0.10543	-0.01969	0.67121	0.008369	0.85686
0.0532	0.068634	0.13862	-0.02972	0.52173	-0.09508	0.04	-0.1022	0.02721
0.00197	0.077938	0.09251	-0.04689	0.312	0.009116	0.84424	0.005854	0.8996
1.44E-08	0.126473	0.0062	-0.04578	0.32357	-0.02674	0.56437	-0.02547	0.58299
9.15E-08	0.170435	0.00022	0.021255	0.64685	0.077762	0.09325	0.112343	0.01514
8.03E-10	0.153721	0.00086	-0.01979	0.66967	0.015974	0.73063	0.032509	0.48342
0.00186	0.114294	0.01346	0.056765	0.2208	0.171777	0.00019	0.127335	0.00586
0.00684	0.050351	0.27754	-0.03855	0.40593	-0.07228	0.11879	-0.02124	0.64712
1.40E-10	0.114035	0.01367	0.141202	0.00222	-0.01584	0.73279	0.050435	0.27674
0.00049	0.145035	0.00168	0.071644	0.12208	0.014271	0.7584	0.074607	0.10735
7.11E-24	0.205261	7.77E-06	0.050664	0.27456	0.076166	0.10019	0.198683	1.52E-05
1.96E-05	0.075216	0.10451	-0.09603	0.03804	-0.04552	0.32633	0.031185	0.50141
0.00147	0.106442	0.02141	-0.0454	0.3276	-0.02143	0.64411	-0.0087	0.85133
1.39E-11	0.122328	0.00814	-0.00638	0.89057	-0.0001	0.99822	0.004195	0.92796
1.89E-06	0.112714	0.01481	0.052987	0.25313	0.114813	0.01304	0.06933	0.13465
1.57E-10	0.396856	4.57E-19	0.130521	0.00473	0.308126	9.96E-12	0.457129	1.72E-25
0.31984	0.089943	0.05209	0.129073	0.00521	0.006407	0.89018	0.017875	0.70004
0.30393	0.071182	0.12452	0.061672	0.18337	0.000176	0.99697	0.003162	0.94567
0.00949	0.098257	0.03377	-0.00998	0.82967	-0.02259	0.62631	-0.01733	0.70871
0.00014	0.125767	0.0065	-0.05675	0.22093	-0.03376	0.46674	-0.00325	0.94411
1.36E-05	0.121934	0.00834	-0.0086	0.85287	-0.00811	0.86128	0.020725	0.65508
1.64E-05	0.126506	0.00619	-0.03851	0.40636	-0.04586	0.32269	-0.00359	0.93832
0.0014	0.107116	0.0206	-0.00934	0.84046	-0.0114	0.80598	0.007893	0.86492
2.19E-09	0.184885	5.83E-05	0.011878	0.79794	-0.01109	0.81106	0.029899	0.51923
2.95E-05	0.100412	0.03004	-0.00108	0.98139	-0.02401	0.6048	-0.00079	0.98634
0.00211	0.084425	0.06833	-0.02613	0.57327	-0.02003	0.66593	0.005617	0.90365
3.97E-12	0.16717	0.00029	0.042011	0.36502	0.01263	0.78546	0.053527	0.24831
1.32E-06	0.079361	0.08669	-0.02813	0.54423	-0.0346	0.45572	0.018852	0.68449
0.16713	0.056073	0.22649	-0.06195	0.18141	0.017284	0.70949	0.042129	0.36368
1.00E-08	0.134783	0.00352	-0.01513	0.74439	0.007199	0.87669	0.017813	0.70103
1.81E-11	0.126492	0.0062	-0.01085	0.81517	-0.0301	0.51638	-0.00103	0.98231
5.88E-12	0.113051	0.01451	-0.01682	0.71701	0.012664	0.78489	0.046619	0.31476
0.01688	0.080121	0.08371	-0.07906	0.08789	-0.03889	0.40172	-0.02789	0.54775
3.09E-07	0.037578	0.41784	-0.10535	0.0228	-0.03198	0.4905	-0.05255	0.25702
6.38E-05	0.117159	0.01128	-0.00734	0.87429	-0.00296	0.94917	0.010012	0.82916
3.43E-06	0.118372	0.01046	-0.03732	0.42109	-0.02277	0.62353	-0.00667	0.88571
0.01635	0.085171	0.06592	-0.04527	0.32902	-0.02994	0.51866	-0.02432	0.60016
6.01E-15	0.119669	0.00964	-0.07701	0.09648	-0.0634	0.1714	-0.02273	0.62414
0.00324	0.060954	0.18854	-0.03719	0.42262	-0.02099	0.65094	-0.01935	0.6767
0.13711	0.209316	5.07E-06	-0.04198	0.3654	-0.05338	0.24957	-0.00634	0.89136
0.14496	0.045797	0.32337	-0.0015	0.97426	0.00658	0.88723	0.024372	0.59934
1.56E-13	0.163933	0.00037	-0.06286	0.17506	-0.04819	0.29875	0.00116	0.98006
0.21384	0.05257	0.25688	-0.06399	0.16741	0.002445	0.95797	0.010453	0.82175
2.71E-06	0.096011	0.03808	-0.00411	0.92935	0.014381	0.75659	0.03677	0.42793
0.1131	0.062933	0.17456	0.007195	0.87677	0.013746	0.76703	-0.01424	0.75888

0.00188	0.042926	0.35466	-0.00222	0.96184	-0.0599	0.19629	-0.07932	0.08687
7.64E-20	0.137791	0.00285	-0.00457	0.92153	-0.00891	0.84772	0.027458	0.55392
8.31E-26	0.10862	0.01888	-0.04333	0.35011	-0.01333	0.77382	-0.01823	0.69441
8.23E-17	0.137907	0.00282	0.004786	0.91784	-0.01075	0.81675	0.11113	0.01628
3.18E-12	0.178438	0.00011	-0.01598	0.73054	-0.00504	0.91346	0.027265	0.55672
6.01E-07	0.137985	0.00281	-0.02669	0.56506	-0.00267	0.95416	0.008583	0.85324
1.50E-06	0.149311	0.00121	0.007092	0.87852	-0.02292	0.62129	0.049101	0.28966
6.78E-06	0.109855	0.01756	0.108022	0.01955	-0.02436	0.59955	0.026825	0.56311
0.00113	0.059072	0.20258	0.142094	0.00208	0.021879	0.63721	0.050056	0.28036
0.00222	0.100495	0.0299	-0.06306	0.17367	-0.02327	0.61593	-0.01525	0.74232
3.70E-10	0.081365	0.079	-0.09362	0.04317	-0.02486	0.59206	-0.04279	0.35616
2.85E-22	0.182868	7.04E-05	0.033163	0.47465	0.032388	0.48504	0.08718	0.05977
1.87E-17	0.099982	0.03075	0.000887	0.98475	-0.02119	0.6479	-0.00049	0.99157
6.09E-10	0.166574	0.0003	-0.03593	0.43852	-0.00551	0.90544	0.022398	0.62925
2.03E-12	0.156157	0.00071	-0.05668	0.22147	-0.01901	0.68196	0.020353	0.66088
0.00019	0.098767	0.03285	-0.02376	0.60857	0.073353	0.11341	0.036133	0.43598
0.00991	0.049601	0.28476	-0.06839	0.14001	0.015963	0.7308	-0.05136	0.26804
0.00186	0.085324	0.06543	0.045513	0.32638	-0.06562	0.15683	0.025389	0.58418
0.00133	0.355788	2.21E-15	-0.01729	0.70947	-0.01209	0.79444	0.071842	0.12106
3.40E-05	0.190145	3.54E-05	0.050221	0.27878	0.047187	0.30889	0.094755	0.04068
0.01347	0.063058	0.1737	-0.07619	0.10008	0.01278	0.78296	-0.00115	0.98021
4.84E-06	0.595749	3.36E-46	0.114767	0.01308	0.162113	0.00044	0.407391	4.25E-20
1.48E-20	0.101924	0.02763	0.149863	0.00116	0.016926	0.71524	0.075894	0.10141
0.00017	0.105854	0.02215	-0.00136	0.97669	0.08144	0.07872	0.118675	0.01026
3.35E-17	0.145701	0.00159	-0.00952	0.83746	0.013009	0.77918	0.024198	0.60195
0.0221	0.070202	0.1298	0.002115	0.96364	0.072448	0.11794	0.068991	0.13657
1.71E-08	0.149239	0.00122	-0.02458	0.59616	-0.00756	0.87059	0.005643	0.9032
6.27E-20	0.236358	2.37E-07	-0.04913	0.28934	0.069355	0.13451	0.226512	7.56E-07
1.70E-07	0.130734	0.00466	-0.00326	0.94392	0.011896	0.79765	0.054728	0.23784
3.14E-12	0.152075	0.00098	0.016343	0.72465	0.029711	0.52187	0.051107	0.27038
8.67E-08	0.158992	0.00056	-0.01999	0.6666	-0.01359	0.76954	0.033004	0.47678
0.00849	0.173449	0.00017	0.006636	0.88627	-0.02945	0.52559	0.08491	0.06676
8.36E-17	0.124545	0.00704	0.028322	0.54151	-0.0269	0.56206	0.092493	0.04575
1.15E-09	0.08742	0.05906	-0.06805	0.142	-0.04822	0.29844	-0.03193	0.49127
2.18E-06	0.150875	0.00107	-0.03133	0.49938	0.016769	0.71778	0.037078	0.42407
8.82E-11	0.126863	0.00605	-0.02146	0.64365	-0.00749	0.87181	0.018957	0.68284
0.01458	0.105585	0.02249	-0.08483	0.06702	-0.05288	0.25405	-0.01631	0.72526
0.08718	0.090225	0.05135	0.002063	0.96453	-0.01478	0.75	-0.01046	0.8216
4.61E-11	0.145374	0.00163	-0.03567	0.44186	-0.04434	0.33905	0.004964	0.9148
9.73E-08	0.126181	0.00633	-0.02866	0.53673	0.06627	0.15276	0.02914	0.52989
3.12E-06	0.126401	0.00623	-0.07543	0.10352	-0.01747	0.70643	-0.00448	0.9231
0.00836	0.051603	0.26575	-0.02147	0.64347	-0.04294	0.35446	-0.02405	0.6042
1.31E-08	0.128021	0.0056	-0.04879	0.2927	-0.00907	0.845	0.007581	0.87021
8.09E-11	0.166238	0.00031	-0.0239	0.6065	0.071363	0.12356	0.127199	0.00591
0.0084	0.134402	0.00362	0.027262	0.55676	0.154408	0.00081	0.225271	8.72E-07

2.76E-07	0.158381	0.00059	-0.03171	0.49419	-0.0315	0.49704	0.021529	0.64261
0.00017	0.183547	6.61E-05	-0.04631	0.31803	-0.02725	0.55688	0.057662	0.21358
0.03375	0.08686	0.06071	0.018292	0.69338	0.029094	0.53055	0.033471	0.47055
1.17E-07	0.140126	0.00241	-0.15523	0.00076	-0.10894	0.01853	0.026406	0.56922
3.73E-15	0.206475	6.84E-06	-0.05603	0.22684	0.075082	0.10513	0.195858	2.02E-05
4.70E-06	0.066678	0.15024	-0.07578	0.10191	-0.03309	0.47569	-0.07478	0.10655
3.87E-12	0.147196	0.00142	-0.09054	0.05054	-0.04876	0.293	-0.00506	0.91311
0.07056	0.02454	0.59683	-0.07521	0.10451	0.063734	0.16913	0.070453	0.12843
0.00688	0.075769	0.10198	-0.02356	0.61155	-0.00928	0.8415	0.024948	0.59074
2.39E-07	0.120187	0.00933	-0.06639	0.15199	-0.02112	0.64892	0.037983	0.41283
0.00232	0.072872	0.1158	-0.04012	0.38698	0.007007	0.87995	0.027633	0.55139
6.36E-12	0.113146	0.01443	-0.12792	0.00563	0.006906	0.88168	0.035214	0.44774
0.00032	0.087885	0.05772	-0.07955	0.08593	-0.0428	0.35605	0.008874	0.84833
0.04188	0.054096	0.24332	0.012768	0.78317	0.010609	0.81914	0.037085	0.42398
0.00246	0.089558	0.0531	0.058901	0.20389	-0.05327	0.25063	-0.02668	0.5652
2.96E-52	0.130249	0.00481	0.037418	0.41982	-0.00021	0.99635	0.070328	0.12912
2.89E-68	0.172237	0.00018	0.077845	0.0929	0.022431	0.62874	0.106766	0.02102
0.00742	0.099181	0.03212	-0.02306	0.61917	-0.02976	0.52123	-0.01829	0.69345
4.88E-05	0.113351	0.01425	-0.02592	0.57635	-0.00027	0.99538	0.02075	0.65468
0.00099	0.074279	0.10891	0.016673	0.71933	-0.01165	0.80174	-0.00204	0.965
0.00099	0.08595	0.06347	-0.01895	0.68301	-0.00813	0.86094	0.007075	0.87881
6.02E-13	0.104445	0.024	-0.03204	0.4897	-0.02485	0.59224	0.028384	0.54063
1.29E-05	0.126002	0.0064	-0.0418	0.36742	-0.02116	0.64838	0.01078	0.81628
4.37E-05	0.121137	0.00878	-0.04094	0.37737	-0.0202	0.66321	-0.00541	0.90713
5.76E-14	0.14816	0.00132	-0.00946	0.8384	-0.01114	0.81029	0.015601	0.73668
1.06E-08	0.124686	0.00698	-0.00983	0.83229	0.000847	0.98543	0.017346	0.7085
0.00066	0.118609	0.01031	-0.02171	0.63981	-0.00482	0.91725	0.029885	0.51942
1.30E-11	0.114672	0.01315	-0.02986	0.51979	-0.00397	0.93189	0.024383	0.59918
2.86E-05	0.1266	0.00615	0.006372	0.89077	0.010789	0.81613	0.020454	0.6593
7.37E-14	0.135846	0.00327	-0.01555	0.73753	-0.00871	0.85118	0.024904	0.5914
3.96E-09	0.147774	0.00136	-0.00822	0.85938	0.013843	0.76543	0.038089	0.41153
2.21E-08	0.163239	0.0004	-0.02524	0.58642	0.013119	0.77736	0.033882	0.46512
7.46E-08	0.142418	0.00203	-0.00196	0.96623	0.015961	0.73083	0.033087	0.47566
3.89E-25	0.133604	0.00382	-0.0634	0.17141	-0.02033	0.66116	0.020142	0.66418
4.62E-22	0.151224	0.00105	-0.03204	0.48975	-0.0256	0.58099	0.005725	0.9018
2.18E-11	0.174027	0.00016	0.001629	0.972	0.029841	0.52005	0.042621	0.35809
0.00022	0.056679	0.2215	-0.1563	0.0007	-0.06863	0.13863	-0.0092	0.84286
1.21E-09	0.112429	0.01507	-0.0337	0.46753	-0.04998	0.28111	-0.00246	0.95766
1.17E-10	0.238359	1.86E-07	-0.0122	0.79258	-0.01595	0.73098	0.036865	0.42673
3.02E-05	0.105293	0.02287	-0.05557	0.2307	-0.01997	0.66685	-0.00167	0.97122
0.00089	0.109031	0.01843	-0.00905	0.84534	-0.00418	0.92821	0.001327	0.97718
6.27E-10	0.133003	0.00399	-0.0522	0.26027	-0.00675	0.88425	0.020278	0.66206
0.00403	0.113623	0.01402	-0.05864	0.20591	-0.01905	0.6814	0.019992	0.66654
1.18E-09	0.104399	0.02406	-0.04833	0.29731	-0.03959	0.39328	0.001633	0.97193
8.33E-06	0.110346	0.01706	-0.03541	0.44521	-0.00298	0.94871	0.017235	0.71028

0.14397	0.047289	0.30784	0.003673	0.9369	-0.03684	0.42705	-0.02362	0.61064
3.65E-15	0.11053	0.01687	-0.03928	0.397	-0.031	0.50399	0.006568	0.88743
0.00054	0.123463	0.00756	-0.02087	0.6528	0.000543	0.99066	0.035459	0.44459
0.01526	0.106618	0.0212	-0.0357	0.44144	-0.01704	0.71334	0.006395	0.89038
1.05E-07	0.12797	0.00562	-0.02498	0.59028	-0.01967	0.67165	-0.00063	0.98914
6.72E-06	0.106506	0.02134	-0.05997	0.19575	-0.02731	0.55612	-0.01127	0.80816
5.20E-09	0.123712	0.00744	0.007023	0.87969	0.01386	0.76515	0.036286	0.43404
8.88E-15	0.137865	0.00283	-0.04756	0.30508	-0.03791	0.41369	0.078263	0.09116
0.07145	0.091094	0.04914	-0.07559	0.10278	-0.03253	0.48306	0.027529	0.5529
2.12E-17	0.095726	0.03865	0.002671	0.9541	0.008768	0.85011	0.052997	0.25303
3.32E-16	0.141722	0.00214	-0.05042	0.27688	-0.0261	0.57376	0.016277	0.72571
0.00113	0.128565	0.0054	-0.05028	0.27822	-0.02382	0.60764	0.01224	0.79193
7.57E-06	0.180202	9.01E-05	0.023575	0.61134	0.011762	0.79987	0.033099	0.4755
0.00043	0.08282	0.07377	-0.03103	0.50358	-0.02084	0.65332	-0.00307	0.94727
0.03594	0.055456	0.23165	-0.06587	0.15529	-0.04155	0.37034	-0.01737	0.70809
0.01753	0.052899	0.25391	-0.03161	0.4956	-0.01446	0.75528	0.008056	0.86216
0.20339	0.061329	0.18583	-0.02202	0.63505	-0.00796	0.86373	-0.00162	0.97223
1.94E-06	0.082422	0.07517	-0.0373	0.42135	-0.02812	0.5444	-0.00309	0.94698
0.01342	0.119415	0.0098	-0.04549	0.32662	0.001698	0.97081	0.020051	0.6656
0.0004	0.100214	0.03037	-0.04886	0.29203	-0.01044	0.8219	0.011123	0.81054
3.11E-05	0.087134	0.0599	-0.05082	0.27306	-0.02479	0.59315	0.038624	0.40499
0.0421	0.074133	0.10961	-0.01794	0.69903	-0.02968	0.52235	-0.0025	0.95706
2.37E-08	0.054129	0.24302	0.009654	0.83517	-1.42E-05	0.99976	0.009609	0.83593
1.50E-13	0.192741	2.75E-05	-0.02249	0.62789	-0.00798	0.86337	0.028649	0.53685
6.63E-07	0.121832	0.0084	0.027142	0.5585	0.020563	0.6576	0.029441	0.52565
9.33E-12	0.138246	0.00275	-0.05038	0.27726	-0.03465	0.45506	0.000565	0.99029
1.42E-19	0.110841	0.01656	-0.02399	0.60515	-0.04202	0.36489	0.035774	0.44056
0.00051	0.148809	0.00126	-0.01939	0.67596	0.002867	0.95074	0.025401	0.584
1.22E-05	0.151683	0.00101	-0.03657	0.43043	-0.00965	0.83529	0.019383	0.6761
1.20E-11	0.142286	0.00205	-0.03866	0.40453	-0.01314	0.77703	0.016335	0.72478
0.00964	0.093039	0.04448	-0.03934	0.39632	0.02627	0.5712	0.042056	0.36451
5.31E-24	0.165882	0.00032	0.006025	0.89668	-0.00401	0.9311	0.034104	0.46219
2.31E-05	0.11231	0.01517	-0.06115	0.1871	-0.02445	0.59812	0.004294	0.92626
1.78E-09	0.137369	0.00293	-0.00358	0.93846	0.005311	0.90887	0.026537	0.5673
4.77E-08	0.116989	0.0114	0.01848	0.69039	-0.02051	0.6585	0.007113	0.87816
7.29E-18	0.154744	0.00079	-0.03578	0.44043	-0.0125	0.78753	0.018372	0.69211
6.32E-10	0.140105	0.00241	-0.03535	0.44597	-0.01635	0.72459	0.004249	0.92704
4.09E-09	0.073313	0.11361	-0.00817	0.86026	-0.00939	0.83962	0.013198	0.77606
0.00016	0.11776	0.01087	-0.00654	0.88787	-0.00305	0.94752	0.015163	0.7438
1.56E-06	0.152572	0.00094	-0.04566	0.32484	-0.01409	0.76131	0.011979	0.79627
5.27E-06	0.086122	0.06295	-0.0471	0.30974	-0.02522	0.58669	-0.00313	0.94625
1.10E-05	0.229064	5.63E-07	0.000203	0.99651	-0.00651	0.88847	0.038903	0.4016
6.11E-05	0.132649	0.00408	-0.01989	0.6681	0.017025	0.71366	0.037395	0.42011
8.74E-09	0.194001	2.43E-05	-0.02598	0.57548	-0.01603	0.72965	0.017591	0.70457
1.10E-08	0.067125	0.14753	-0.0017	0.97082	-0.01291	0.78088	0.01787	0.70011

9.62E-21	0.230457	4.78E-07	0.043032	0.35348	0.015705	0.73499	0.080433	0.0825
1.48E-06	0.108642	0.01885	-0.05241	0.25833	-0.03082	0.50646	-0.01682	0.71688
2.07E-44	0.155382	0.00075	0.007869	0.86533	-0.0347	0.45436	0.068194	0.14117
4.16E-17	0.084544	0.06794	0.002681	0.95393	-0.02615	0.57297	0.053593	0.24773
1.04E-09	0.121406	0.00863	-0.04212	0.3638	-0.02615	0.57295	-0.0072	0.87672
4.84E-10	0.134352	0.00363	-0.01031	0.82412	0.055258	0.23332	0.069422	0.13413
1.70E-09	0.1755	0.00014	0.011253	0.80837	0.018964	0.68273	0.038843	0.40233
0.00046	0.084801	0.06711	-0.02965	0.52274	-0.01784	0.70051	-0.01756	0.70515
3.41E-12	0.11239	0.0151	0.001919	0.96701	-0.01997	0.66683	0.011506	0.80414
1.21E-16	0.097137	0.03586	0.014695	0.75145	-0.01434	0.75719	0.035744	0.44094
4.80E-12	0.126529	0.00618	0.021867	0.6374	0.030539	0.51033	0.062464	0.1778
9.08E-08	0.12636	0.00625	-0.03837	0.40808	-0.0086	0.85293	0.021328	0.64571
1.22E-13	0.11748	0.01106	0.017203	0.7108	0.01026	0.825	0.033253	0.47345
1.83E-08	0.151292	0.00104	0.024208	0.6018	0.05365	0.24723	0.078551	0.08997
0.27617	0.049529	0.28546	0.01222	0.79226	-0.00402	0.931	0.00992	0.83069
0.00025	0.123262	0.00766	-0.03447	0.45738	-0.03078	0.50694	-6.35E-05	0.99891
0.00036	0.091374	0.04845	0.021875	0.63728	0.029414	0.52603	0.028993	0.53198
8.91E-07	0.105101	0.02312	-0.08328	0.07216	-0.0609	0.18895	-0.03615	0.43581
1.46E-07	0.094872	0.04043	-0.07373	0.11156	-0.05831	0.20844	-0.02664	0.5658
4.69E-11	0.17687	0.00012	0.065512	0.15752	0.02051	0.65842	0.062075	0.18052
8.22E-10	0.14857	0.00128	-0.02546	0.58307	0.00056	0.99036	0.027823	0.54866
0.06611	0.073633	0.11203	-0.00541	0.90709	-0.01223	0.79208	0.02849	0.53912
3.12E-13	0.146761	0.00147	-0.02536	0.58467	-0.00144	0.97518	0.025789	0.57827
0.00231	0.078707	0.08933	-0.02202	0.63501	-0.01083	0.81536	0.015375	0.74036
1.60E-05	0.094313	0.04163	0.00353	0.93935	-0.02533	0.58512	0.002717	0.95331
0.00388	0.06396	0.16762	-0.04868	0.29386	-0.0489	0.29162	-0.01096	0.81332
0.00015	0.075483	0.10328	-0.01522	0.74288	0.000122	0.99791	0.019873	0.66839
2.44E-07	0.112298	0.01518	-0.04479	0.33419	-0.00244	0.95801	-0.00704	0.87933
1.32E-05	0.124258	0.00718	-0.00899	0.84644	0.005985	0.89736	0.013404	0.77266
3.96E-08	0.337221	6.98E-14	0.036149	0.43578	0.024836	0.5924	0.130665	0.00468
1.19E-34	0.144312	0.00177	0.014581	0.75331	-0.00819	0.85984	0.058228	0.20911
1.57E-05	0.11348	0.01414	-0.0193	0.67739	-0.0154	0.73993	0.02257	0.62661
0.01274	0.105421	0.0227	-0.04602	0.321	-0.03901	0.40033	-0.02017	0.66378
8.56E-18	0.108351	0.01918	0.078441	0.09042	-0.01058	0.81963	0.083132	0.07269
9.57E-12	0.308855	8.85E-12	0.026834	0.56297	0.132619	0.00409	0.252274	3.26E-08
3.89E-05	0.107523	0.02012	0.033713	0.46734	0.020618	0.65675	0.033534	0.46971
8.98E-11	0.147375	0.0014	-0.05406	0.24362	-0.01902	0.68178	0.006718	0.88488
1.07E-09	0.136023	0.00323	-0.03746	0.41925	-0.06833	0.14038	-0.01303	0.77891
0.00211	0.093995	0.04233	-0.15394	0.00085	-0.03965	0.39258	0.086434	0.06199
8.04E-14	0.179275	9.80E-05	0.086207	0.06268	0.044347	0.33894	0.125888	0.00645
0.0047	0.015116	0.74457	-0.06303	0.1739	-0.1496	0.00118	-0.08261	0.0745
1.27E-16	0.107954	0.01962	-0.01065	0.81847	-0.02404	0.60431	0.007826	0.86606
0.00303	0.116236	0.01195	-0.05752	0.21473	0.032611	0.48204	0.041137	0.37509
1.18E-08	0.128923	0.00527	-0.03265	0.48157	-0.00775	0.86742	0.013755	0.76687
2.43E-05	0.142426	0.00203	-0.04675	0.3134	-0.00849	0.85475	0.002286	0.96071

0.02243	0.028074	0.54506	-0.02	0.6664	-0.05207	0.26146	-0.07686	0.09713
1.47E-11	0.160796	0.00049	-0.07785	0.09288	-0.0351	0.44926	0.012647	0.78517
1.20E-07	0.108846	0.01863	-0.05919	0.20169	-0.02426	0.60103	-0.00924	0.84223
1.25E-12	0.16014	0.00051	-0.00773	0.86761	0.056225	0.22523	0.070679	0.12721
3.95E-10	0.116471	0.01178	-0.07752	0.09427	-0.02113	0.64871	0.007938	0.86416
1.41E-20	0.151528	0.00102	-0.00359	0.9384	0.013889	0.76466	0.08002	0.0841
4.30E-06	0.119138	0.00997	-0.06125	0.18639	-0.03411	0.46216	-0.00825	0.85885
0.00021	0.125412	0.00665	-0.05701	0.2188	-0.01382	0.76577	0.000825	0.98581
0.00703	0.075538	0.10303	-0.06816	0.14139	-0.0622	0.17966	-0.02636	0.56996
3.49E-05	0.139037	0.0026	-0.05133	0.26829	-0.03382	0.46593	0.000245	0.9958
3.67E-06	0.155898	0.00072	-0.04627	0.31839	-0.01802	0.69774	0.020458	0.65924
0.01132	0.099232	0.03204	0.021014	0.65059	0.030189	0.51518	0.017942	0.69897
0.00249	0.075431	0.10352	-0.02097	0.6512	-0.00433	0.92557	0.012517	0.78733
6.17E-17	0.153556	0.00087	-0.04394	0.34338	-0.06421	0.16596	-0.00331	0.94317
4.35E-08	0.123008	0.00779	-0.02614	0.57319	-0.02586	0.57726	0.000976	0.98322
0.02783	0.07857	0.08989	-0.04223	0.36255	0.000868	0.98508	-0.00189	0.96751
4.63E-06	0.100642	0.02966	-0.06387	0.16824	-0.05161	0.2657	-0.00949	0.83796
0.09182	0.063974	0.16752	-0.08483	0.06702	-0.07187	0.1209	-0.03166	0.49492
0.00771	0.118175	0.01059	0.000552	0.99051	0.049551	0.28525	0.059333	0.20058
6.71E-05	0.085738	0.06413	-0.00255	0.95621	0.009943	0.83031	0.022364	0.62977
5.50E-10	0.098124	0.03401	-0.01766	0.70352	0.009058	0.84522	0.032221	0.48729
0.00137	0.116282	0.01191	-0.04863	0.29429	-0.01534	0.74098	0.014798	0.74977
0.00684	0.074545	0.10765	-0.0522	0.26029	-0.00548	0.906	-0.00301	0.94827
6.30E-17	0.125617	0.00657	-0.0789	0.08855	-0.02404	0.60433	0.002875	0.95059
3.98E-22	0.172523	0.00018	-0.02752	0.553	-0.01539	0.74014	0.03342	0.47123
2.64E-30	0.154936	0.00078	-0.00077	0.9868	0.005811	0.90034	0.068629	0.13864
0.00298	0.110903	0.0165	-0.03937	0.39597	-0.02146	0.64368	-0.00947	0.83829
3.67E-11	0.156206	0.00071	-0.03816	0.41069	0.061105	0.18744	0.081298	0.07925
0.24023	0.101503	0.02829	0.065273	0.15905	0.015089	0.74501	0.021202	0.64767
0.07316	0.075284	0.10419	-0.00963	0.83552	0.014009	0.7627	0.050269	0.27832
0.00631	0.123909	0.00734	-0.11352	0.01411	-0.08623	0.06263	-0.00565	0.90313
2.97E-14	0.118929	0.0101	0.060833	0.18942	0.065913	0.15499	0.096569	0.03696
3.74E-06	0.121299	0.00869	-0.01535	0.74078	-0.00515	0.91155	0.014166	0.76012
3.74E-05	0.114627	0.01319	-0.02019	0.66341	-0.00137	0.97652	-0.01454	0.75405
0.00289	0.081888	0.07709	-0.01158	0.80297	0.025003	0.58992	0.008864	0.8485
0.00962	0.145968	0.00156	0.012488	0.78781	0.024123	0.60308	0.040583	0.38157
5.16E-07	0.147572	0.00138	0.008274	0.85846	0.11532	0.01264	0.129263	0.00515
6.42E-16	0.08546	0.065	0.096983	0.03616	-0.01092	0.81397	0.011671	0.80139
1.30E-09	0.169914	0.00023	0.01424	0.75891	-0.0169	0.71564	0.0267	0.56492
2.14E-31	0.129892	0.00493	0.039464	0.39484	-0.00752	0.87118	0.050222	0.27877
4.01E-11	0.132993	0.00399	-0.0375	0.41886	0.033289	0.47297	0.093336	0.0438
2.74E-06	0.132272	0.00419	-0.02003	0.66586	0.004144	0.92883	0.017319	0.70893
2.06E-05	0.037984	0.41282	0.054653	0.23849	0.00958	0.83643	0.004607	0.92091
0.09125	0.066407	0.15191	-0.03545	0.44464	-0.03686	0.42678	-0.01471	0.75117
0.02948	0.053996	0.24418	-0.01533	0.74104	-0.01324	0.77529	0.012278	0.7913

0.17386	0.042431	0.36025	-0.04218	0.36313	-0.01645	0.72291	-0.01311	0.77746
2.79E-08	0.18661	4.96E-05	0.001964	0.96624	-0.01214	0.79367	0.048127	0.29934
0.14729	0.101908	0.02766	-0.16391	0.00038	-0.14067	0.00231	-0.09641	0.03728
0.12705	0.061755	0.18278	-0.11205	0.01541	-0.06688	0.14899	-0.08228	0.07569
2.68E-07	0.163843	0.00038	-0.01302	0.77895	-0.00113	0.98058	0.049911	0.28176
1.78E-05	0.074181	0.10938	-0.04393	0.34348	-0.00209	0.96409	0.025543	0.58192
3.43E-05	0.13775	0.00285	0.066352	0.15225	0.181233	8.19E-05	0.246789	6.57E-08
2.45E-05	0.099635	0.03134	-0.02946	0.52532	-0.04212	0.36379	0.036456	0.43189
0.00177	0.079061	0.08789	0.024153	0.60263	0.070867	0.1262	0.078224	0.09132
8.95E-11	0.172226	0.00018	-0.02836	0.54097	0.016089	0.72877	0.039639	0.39275
0.05471	0.028557	0.53816	-0.20124	1.18E-05	-0.08279	0.07387	-0.11666	0.01164
4.72E-40	0.163447	0.00039	0.037992	0.41273	0.015456	0.73904	0.122562	0.00801
1.25E-08	0.13712	0.00298	-0.01434	0.75733	-0.014	0.76287	0.048251	0.2981
1.71E-14	0.138283	0.00275	0.045234	0.32936	4.48E-05	0.99923	0.112949	0.0146
1.13E-21	0.17711	0.00012	-0.0131	0.77772	0.002477	0.95742	0.073743	0.1115
3.00E-16	0.151214	0.00105	0.056285	0.22474	0.144619	0.00173	0.19144	3.12E-05
0.00037	0.062715	0.17606	0.156375	0.0007	0.097619	0.03495	0.100174	0.03043
0.00231	0.087025	0.06022	-0.05448	0.23997	-0.03202	0.48999	0.007448	0.87247
4.53E-26	0.104063	0.02452	-0.01918	0.67936	-0.05866	0.20574	-0.01375	0.76697
2.92E-05	0.123442	0.00757	-0.04384	0.34448	-0.01373	0.7673	0.007715	0.86793
7.43E-08	0.102744	0.0264	-0.08342	0.07171	0.030029	0.51741	0.0229	0.62158
8.90E-06	0.10982	0.01759	0.013182	0.77632	-0.00655	0.88766	0.011398	0.80594
8.63E-32	0.069896	0.13149	-0.06878	0.1378	-0.02534	0.58497	-0.01744	0.70706
0.00105	0.043922	0.3436	-0.09419	0.04189	-0.03411	0.46211	-0.01289	0.78117
9.36E-05	0.106907	0.02085	-0.01947	0.67476	-0.00235	0.95965	0.035462	0.44456
0.00107	0.097574	0.03503	-0.08094	0.08058	-0.04717	0.30908	-0.01986	0.66866
0.01259	0.052594	0.25667	-0.04097	0.37699	-0.01006	0.8283	-0.02447	0.59788
1.09E-13	0.171944	0.00019	-0.01176	0.79995	0.012578	0.78632	0.036079	0.43666
6.80E-05	0.136898	0.00303	-0.02551	0.58245	0.015297	0.74162	0.029715	0.52181
4.20E-16	0.154388	0.00082	-0.09166	0.04774	-0.06194	0.18149	-0.00184	0.96834
2.16E-06	0.126055	0.00638	-0.10807	0.01949	-0.02453	0.59703	0.001536	0.97359
4.62E-15	0.102163	0.02727	-0.02719	0.5578	0.13081	0.00463	0.140356	0.00237
2.04E-17	0.154375	0.00082	-0.07157	0.12249	-0.02609	0.57387	0.021516	0.6428
0.10441	0.219873	1.61E-06	-0.07045	0.12846	-0.0614	0.18532	0.018532	0.68957
2.38E-18	0.17184	0.00019	-0.01577	0.73392	-0.0073	0.87491	0.035883	0.43916
0.02346	0.163137	0.0004	0.077003	0.0965	0.220315	1.53E-06	0.23037	4.83E-07
0.0012	0.148313	0.00131	-0.05652	0.22283	0.001318	0.97733	0.091932	0.04708
7.39E-05	0.078595	0.08979	-0.02306	0.61918	-0.01917	0.67951	-0.03089	0.50541
4.50E-09	0.15597	0.00072	-0.05207	0.26146	0.000455	0.99217	0.032353	0.48551
1.45E-06	0.099725	0.03119	-0.09533	0.03947	0.051368	0.26794	-0.01381	0.76603
2.67E-06	0.135215	0.00342	-0.01428	0.75821	0.006548	0.88777	0.016614	0.72027
2.32E-16	0.154982	0.00078	0.05918	0.20175	0.166713	0.0003	0.205694	7.42E-06
1.12E-06	0.148027	0.00134	-0.03668	0.42906	-0.00351	0.93971	0.066425	0.1518
0.02453	0.085538	0.06476	-0.10297	0.02607	-0.03898	0.40071	-0.0113	0.8075
0.00015	0.107327	0.02035	-0.05301	0.25294	-0.01516	0.74384	0.002854	0.95096



0.00037	0.145149	0.00166	-0.02802	0.54584	-0.00923	0.84226	0.042887	0.3551
1.32E-08	0.112676	0.01484	0.039905	0.38958	0.094685	0.04083	0.119453	0.00977
1.66E-07	0.135591	0.00333	-0.02313	0.61804	-0.02594	0.57604	0.004243	0.92713
8.05E-06	0.132458	0.00414	-0.0398	0.39089	-0.01727	0.70969	0.008874	0.84832
9.70E-10	0.128142	0.00555	-0.00164	0.97181	0.035678	0.44178	0.035023	0.45021
8.79E-14	0.152505	0.00095	-0.06298	0.17423	-0.01911	0.68036	0.017043	0.71337
1.25E-07	0.073221	0.11406	0.000965	0.9834	-0.08742	0.05908	-0.00336	0.9422
3.79E-08	0.117473	0.01107	-0.08335	0.07193	-0.04177	0.36776	0.011461	0.80489
1.28E-07	0.104883	0.02341	-0.0695	0.13371	-0.0398	0.39079	-0.02398	0.60519
1.30E-05	0.193907	2.45E-05	-0.02558	0.58139	0.003026	0.94799	0.041336	0.37278
8.00E-05	0.127238	0.0059	-0.07485	0.10623	-0.0225	0.62775	-0.01546	0.73892
0.01146	0.061008	0.18815	-0.11136	0.01606	-0.09515	0.03984	-0.08685	0.06073
4.63E-12	0.073857	0.11095	-0.0438	0.34499	-0.08243	0.07515	-0.05216	0.26064
3.09E-14	0.185427	5.54E-05	0.049406	0.28666	0.075577	0.10285	0.165784	0.00032
7.00E-18	0.146007	0.00156	-0.02795	0.54677	-0.00846	0.85537	0.014878	0.74846
2.85E-30	0.135341	0.00339	0.042813	0.35593	0.040179	0.38633	0.124724	0.00696
2.21E-21	0.21728	2.14E-06	-0.02967	0.52246	0.019708	0.67099	0.16403	0.00037
2.98E-05	0.047684	0.30382	-0.10004	0.03065	-0.07404	0.11005	-0.06451	0.16398
1.83E-13	0.124412	0.00711	-0.06751	0.14523	-0.04237	0.36096	0.007678	0.86857
2.05E-07	0.23952	1.62E-07	-0.06403	0.16715	-0.00096	0.98351	0.077056	0.09627
0.00048	0.1303	0.0048	-0.04593	0.32201	-0.02619	0.57237	-0.00221	0.96193
4.39E-13	0.113291	0.0143	0.02692	0.56172	0.01343	0.77224	0.023096	0.6186
1.86E-20	0.249025	4.95E-08	-0.01344	0.772	0.043697	0.34608	0.174199	0.00015
0.00521	0.131092	0.00455	-0.07852	0.09009	-0.05492	0.2362	-0.00038	0.99353
3.96E-05	0.090714	0.0501	-0.05615	0.22583	-0.02533	0.58501	-0.03534	0.44609
2.44E-12	0.147549	0.00139	-0.06322	0.17263	-0.04177	0.36779	-0.00641	0.8901
5.55E-23	0.209212	5.13E-06	-0.03482	0.45285	-0.01636	0.72432	0.032979	0.47711
5.91E-09	0.163944	0.00037	-0.00382	0.93447	-0.00451	0.92261	0.041734	0.3682
1.29E-05	0.131751	0.00434	-0.03572	0.44119	-0.02055	0.65783	-0.00399	0.93149
7.67E-05	0.099626	0.03136	-0.00668	0.88561	0.012889	0.78117	0.007267	0.87555
3.21E-12	0.150769	0.00108	-0.03238	0.48518	-0.031	0.50397	0.025332	0.58503
0.10684	0.070346	0.12902	-0.06484	0.16185	-0.01803	0.69762	-0.06883	0.13747
8.04E-13	0.147166	0.00143	-0.048	0.30059	-0.03541	0.44522	0.006305	0.8919
1.74E-40	0.12115	0.00877	-0.0292	0.5291	-0.03756	0.41809	0.016849	0.71649
0.47852	0.029701	0.522	-0.03216	0.48808	-0.01417	0.76003	-0.04399	0.3429
2.58E-07	0.407298	4.34E-20	0.024315	0.60019	0.117964	0.01073	0.250281	4.21E-08
0.06965	0.114787	0.01306	0.025515	0.58232	0.111354	0.01607	0.145905	0.00157
3.98E-08	0.158513	0.00059	0.11401	0.01369	0.155827	0.00073	0.17849	0.00011
0.04432	0.147114	0.00143	-0.0148	0.74976	0.106023	0.02193	0.190264	3.50E-05
0.03573	0.040502	0.38252	-0.09218	0.04648	0.004973	0.91464	-0.03343	0.47111
0.01785	0.045155	0.33021	-0.10522	0.02297	-0.01864	0.68778	-0.0262	0.5722
0.0053	0.035878	0.43923	-0.04824	0.29818	-0.02162	0.64125	-0.0219	0.63687
4.12E-09	0.142592	0.00201	0.024577	0.59627	0.080476	0.08234	0.078682	0.08943
0.00442	0.071908	0.12071	-0.04711	0.30968	-0.05536	0.23247	-0.00272	0.9532
0.10315	0.082448	0.07508	-0.05598	0.22724	-0.05801	0.21086	0.008665	0.85186

0.00021	0.043572	0.34747	-0.08194	0.0769	-0.06876	0.13787	-0.06523	0.15933
0.06033	0.026383	0.56955	-0.11148	0.01595	-0.12157	0.00854	-0.10702	0.02072
0.01952	0.029236	0.52854	-0.03422	0.46063	-0.09809	0.03408	-0.06642	0.15186
2.34E-30	0.137641	0.00288	0.004158	0.92859	-0.00996	0.83004	0.058043	0.21056
9.25E-06	0.099086	0.03229	-0.05754	0.21457	-0.00795	0.86389	0.032734	0.48039
1.27E-09	0.115836	0.01225	-0.02862	0.5372	-0.02684	0.56294	-0.00062	0.98938
0.57535	0.033444	0.47092	0.000407	0.993	0.044262	0.33988	0.040369	0.38408
0.20379	0.044683	0.33529	0.090939	0.04953	-0.01056	0.81988	0.03116	0.50175
1.83E-05	0.127408	0.00583	-0.05581	0.22865	-0.01193	0.79709	0.000588	0.98989
7.17E-08	0.122893	0.00784	-0.01403	0.76241	-0.0142	0.75954	0.011448	0.80511
6.78E-05	0.098949	0.03253	-0.08611	0.06297	-0.04752	0.30551	-0.03669	0.42887
5.40E-25	0.448369	1.78E-24	0.010768	0.81647	0.058299	0.20856	0.236621	2.30E-07
8.44E-11	0.19769	1.68E-05	-0.03215	0.48831	-0.01116	0.80996	0.019477	0.67461
5.29E-26	0.435697	4.66E-23	0.18653	5.00E-05	0.329053	2.96E-13	0.525054	1.90E-34
1.44E-30	0.157451	0.00064	-0.03124	0.50072	-0.05671	0.22125	0.048814	0.29249
0.00016	0.112055	0.01541	-0.04403	0.34242	-0.01681	0.71709	-0.00683	0.88291
4.85E-07	0.068921	0.13697	0.040958	0.37718	-0.05287	0.25414	-0.01487	0.74863
1.11E-09	0.121572	0.00854	0.023267	0.616	0.027517	0.55307	0.050811	0.27316
3.75E-05	0.084891	0.06682	-0.04744	0.30626	-0.01071	0.81739	-0.00872	0.85095
1.87E-08	0.204373	8.52E-06	0.108769	0.01871	0.121584	0.00853	0.335676	9.20E-14
8.60E-20	-0.02187	0.63728	0.027561	0.55243	-0.12307	0.00776	-0.04055	0.38196
1.84E-10	0.080613	0.08182	0.053952	0.24457	-0.04029	0.38498	0.13541	0.00337
4.99E-13	0.076714	0.09776	0.073177	0.11428	0.025396	0.58409	0.115837	0.01225
0.97655	-0.08483	0.06702	-0.07636	0.09934	-0.19191	2.98E-05	-0.19034	3.47E-05
8.18E-08	-0.0349	0.45175	0.042091	0.36411	-0.10839	0.01913	-0.03107	0.50298
0.03346	-0.10067	0.02962	-0.27159	2.43E-09	-0.30833	9.64E-12	-0.28001	7.34E-10
2.06E-17	-0.13302	0.00398	-0.06009	0.19487	-0.29591	6.83E-11	-0.21917	1.74E-06
0.00139	-0.10764	0.01998	-0.18622	5.14E-05	-0.32601	5.02E-13	-0.25921	1.32E-08
1.32E-12	0.124687	0.00698	0.144958	0.00168	0.074574	0.10751	0.234188	3.08E-07
3.47E-05	-0.1245	0.00706	-0.15932	0.00055	-0.34188	3.00E-14	-0.26775	4.15E-09
0.00086	0.052076	0.26139	-0.08048	0.08232	-0.07964	0.08557	0.020727	0.65505
3.63E-19	0.16802	0.00027	0.139691	0.00248	0.066344	0.1523	0.276346	1.24E-09
4.22E-12	-0.0541	0.24332	-0.04943	0.28645	-0.25561	2.12E-08	-0.14433	0.00177
0.0162	0.013681	0.7681	-0.12124	0.00873	-0.04716	0.30917	0.027969	0.54657
0.00081	0.046994	0.31087	-0.03383	0.46579	-0.06432	0.16522	0.068173	0.14129
3.80E-06	0.01315	0.77686	-0.00305	0.94758	-0.0132	0.77605	0.069384	0.13435
0.23978	-0.06688	0.14898	-0.14285	0.00197	-0.18907	3.92E-05	-0.11916	0.00996
0.00034	-0.01501	0.74635	0.193376	2.58E-05	-0.00501	0.91401	0.075246	0.10437
4.50E-05	-0.12373	0.00743	-0.02166	0.6406	-0.1604	0.0005	-0.08382	0.07036
5.06E-18	0.065512	0.15752	0.032559	0.48274	-0.06782	0.14336	0.069402	0.13424
1.75E-08	-0.04365	0.34656	-0.08973	0.05266	-0.11611	0.01204	-0.0587	0.20542
4.27E-13	0.115167	0.01276	0.06999	0.13097	0.053872	0.24527	0.17791	0.00011
4.88E-11	-0.02611	0.57361	0.092371	0.04604	-0.08626	0.06251	0.038508	0.4064
2.02E-11	0.167822	0.00027	0.125716	0.00652	0.042951	0.35438	0.251115	3.79E-08
0.00443	-0.06654	0.1511	-0.2071	6.41E-06	-0.23728	2.12E-07	-0.20045	1.27E-05

1.05E-10	-0.13027	0.00481	-0.13025	0.00481	-0.22705	7.11E-07	-0.22376	1.04E-06
0.6075	0.092418	0.04593	-0.07709	0.0961	-0.0493	0.28771	0.141152	0.00223
0.67405	-0.17509	0.00014	-0.28759	2.41E-10	-0.4062	5.59E-20	-0.39731	4.14E-19
0.53722	-0.06948	0.1338	-0.21725	2.15E-06	-0.19737	1.74E-05	-0.13828	0.00275
4.99E-08	0.047831	0.30233	0.059277	0.20101	-0.02419	0.60203	0.081616	0.07808
0.06616	-0.06416	0.16631	-0.17471	0.00015	-0.21001	4.71E-06	-0.1209	0.00892
9.76E-09	-0.07411	0.10973	0.007148	0.87757	-0.18308	6.90E-05	-0.12998	0.0049
2.14E-11	0.035182	0.44816	0.093307	0.04387	0.056211	0.22535	0.132311	0.00418
6.52E-21	0.096967	0.03619	0.131438	0.00444	-0.0171	0.71252	0.132498	0.00413
1.47E-09	0.029002	0.53184	-0.23852	1.83E-07	-0.245	8.22E-08	-0.14291	0.00196
2.35E-05	0.005177	0.91116	-0.09491	0.04035	-0.17921	9.86E-05	-0.06469	0.16281
9.12E-06	-0.03317	0.47454	-0.06823	0.14096	-0.17555	0.00014	-0.08219	0.076
8.04E-08	0.105093	0.02313	0.201697	1.12E-05	0.125594	0.00658	0.201996	1.09E-05
1.14E-26	0.071953	0.12048	0.030971	0.50435	-0.08036	0.08278	0.102416	0.02689
0.93407	-0.05904	0.20284	-0.01611	0.72838	-0.19637	1.92E-05	-0.16032	0.00051
0.00193	0.001461	0.97488	-0.01197	0.79649	-0.05368	0.24699	0.082852	0.07366
1.07E-10	0.004014	0.93106	0.006105	0.89532	-0.04162	0.36953	0.020652	0.65621
0.00351	-0.0376	0.41755	-0.13698	0.00301	-0.12103	0.00884	-0.08573	0.06414
3.52E-18	0.025941	0.57603	0.147634	0.00138	-0.01339	0.77285	0.114009	0.01369
1.24E-05	-0.02336	0.61463	-0.03403	0.46317	-0.04102	0.37649	0.009389	0.83964
0.00012	0.023587	0.61115	0.015111	0.74465	-0.13988	0.00245	0.029996	0.51787
4.86E-20	0.128543	0.0054	0.105723	0.02231	0.060618	0.19099	0.244642	8.60E-08
7.26E-06	-0.01015	0.82687	-0.08574	0.06413	-0.08387	0.07018	-0.00014	0.99756
3.97E-05	0.169547	0.00023	0.120082	0.00939	0.123576	0.0075	0.303059	2.24E-11
2.85E-14	0.098892	0.03263	0.159729	0.00053	0.073438	0.11299	0.216935	2.22E-06
0.02413	-0.10541	0.02272	-0.09989	0.03091	-0.28489	3.60E-10	-0.20997	4.73E-06
1.32E-16	-0.03272	0.48057	-0.00527	0.90962	-0.20532	7.72E-06	-0.06358	0.17014
9.50E-23	0.171129	0.0002	0.163581	0.00039	0.130597	0.0047	0.309472	8.01E-12
3.15E-14	0.036561	0.43055	0.116693	0.01162	-0.05281	0.25475	0.101208	0.02875
1.14E-05	0.079169	0.08746	-0.10915	0.0183	-0.14778	0.00136	0.065775	0.15586
2.56E-08	0.046419	0.31683	-0.00206	0.96462	-0.08278	0.0739	0.076523	0.0986
0.44196	-0.15277	0.00093	-0.28654	2.82E-10	-0.36619	2.89E-16	-0.37897	2.14E-17
2.91E-18	0.07104	0.12527	0.015441	0.73928	-0.09547	0.03917	0.055425	0.23191
5.67E-10	-0.00148	0.97455	-0.1374	0.00293	-0.21507	2.73E-06	-0.08653	0.06171
0.61929	0.033397	0.47154	-0.15354	0.00087	-0.11366	0.01398	-0.0222	0.63228
4.91E-05	-0.23561	2.60E-07	-0.27418	1.69E-09	-0.38359	8.09E-18	-0.41373	9.76E-21
0.55964	-0.05288	0.25413	-0.11178	0.01566	-0.13692	0.00303	-0.0638	0.16872
3.13E-05	-0.02601	0.57499	-0.0589	0.20392	-0.13835	0.00273	-0.01309	0.77788
2.72E-28	0.102294	0.02707	0.053241	0.25085	0.001133	0.98052	0.162098	0.00044
1.67E-22	0.08593	0.06354	0.142743	0.00199	-0.00393	0.93249	0.155412	0.00075
7.91E-11	0.193437	2.57E-05	0.098256	0.03377	0.094529	0.04116	0.312567	4.83E-12
7.19E-05	-0.06298	0.17423	-0.03798	0.41293	-0.17859	0.0001	-0.08361	0.07105
1.69E-17	0.10685	0.02092	0.028057	0.5453	0.000715	0.9877	0.191223	3.19E-05
1.35E-12	0.154605	0.0008	0.02765	0.55115	0.036736	0.42836	0.251897	3.43E-08
0.79262	0.108538	0.01897	-0.08849	0.05601	-0.10967	0.01775	0.081086	0.08004

7.13E-09	0.066686	0.1502	0.120514	0.00914	-0.05361	0.24754	0.140819	0.00229
3.97E-07	0.089767	0.05255	0.023076	0.6189	-0.07226	0.11888	0.114045	0.01366
3.25E-09	0.107829	0.01977	0.126319	0.00627	-0.05405	0.24372	0.148678	0.00127
4.43E-12	0.054086	0.2434	-0.09422	0.04184	-0.13319	0.00394	0.022912	0.6214
2.88E-07	-0.01933	0.67691	-0.09964	0.03133	-0.09828	0.03372	-0.02741	0.55463
0.02235	-0.13431	0.00364	-0.04654	0.31555	0.071802	0.12126	-0.12227	0.00816
0.14618	-0.13147	0.00443	-0.02044	0.65945	0.086612	0.06146	-0.09318	0.04415
0.00063	0.048902	0.29162	0.069209	0.13533	0.21085	4.31E-06	0.085712	0.06421
0.18061	-0.07385	0.111	0.074212	0.10923	0.256758	1.82E-08	0.080412	0.08259
0.0096	-0.04658	0.31512	-0.07681	0.09735	0.014214	0.75933	-0.14958	0.00119
0.72793	-0.01969	0.67132	0.060327	0.19313	0.101292	0.02862	0.05591	0.22785
0.09211	0.03977	0.39118	0.037062	0.42427	0.243049	1.05E-07	0.15922	0.00055
0.70685	-0.02043	0.65972	-0.07032	0.12916	0.199574	1.39E-05	0.064454	0.16435
0.39466	0.018366	0.69221	0.050969	0.27168	0.290547	1.55E-10	0.224577	9.44E-07
0.61887	-0.13045	0.00475	-0.24245	1.13E-07	-0.12209	0.00826	-0.21475	2.83E-06
0.00027	-0.01614	0.72787	-0.12314	0.00772	0.10672	0.02107	-0.0364	0.43258
0.08702	-0.0889	0.05487	-0.19296	2.69E-05	-0.05023	0.27873	-0.21777	2.03E-06
0.12408	-0.09171	0.04762	-0.02175	0.63917	0.088065	0.05721	-0.03733	0.42098
7.59E-08	-0.15027	0.00112	-0.06981	0.13194	0.057549	0.21448	-0.15189	0.00099
4.05E-05	-0.16629	0.00031	-0.08354	0.07129	0.116617	0.01167	-0.09379	0.04278
1.19E-09	-0.16603	0.00031	-0.08245	0.07506	0.057967	0.21116	-0.13851	0.0027
4.24E-05	-0.02711	0.5589	0.082599	0.07455	0.437013	3.34E-23	0.233808	3.22E-07
0.00344	-0.06756	0.1449	-0.01035	0.82346	0.196867	1.83E-05	0.031746	0.49374
0.00214	-0.08455	0.06792	-0.03723	0.4222	0.063421	0.17124	-0.09586	0.03839
0.41157	-0.21349	3.24E-06	-0.06835	0.14029	-0.038	0.41268	-0.25644	1.90E-08
2.19E-07	0.001194	0.97947	-0.16738	0.00028	0.082978	0.07322	-0.0601	0.19482
3.94E-07	-0.04258	0.35862	0.054559	0.2393	0.041585	0.36991	-0.05944	0.1998
1.37E-09	0.013713	0.76757	0.249481	4.67E-08	0.354488	2.84E-15	0.225303	8.69E-07
6.58E-11	-0.03972	0.39183	0.040995	0.37674	0.166862	0.00029	0.06056	0.19141
4.81E-12	-0.11665	0.01165	-0.16216	0.00043	-0.13518	0.00342	-0.24115	1.33E-07
1.43E-07	-0.25836	1.47E-08	-0.11938	0.00982	-0.00502	0.91379	-0.26568	5.51E-09
1.62E-06	-0.04408	0.34189	-0.00155	0.97334	0.11266	0.01486	-0.06555	0.15727
0.18974	-0.1153	0.01266	0.012878	0.78134	0.124413	0.00711	-0.07915	0.08753
0.00103	-0.03069	0.50822	0.013719	0.76747	0.13076	0.00465	0.013167	0.77657
2.48E-07	-0.1773	0.00012	-0.2027	1.01E-05	-0.00138	0.97624	-0.2197	1.64E-06
1.47E-05	-0.11265	0.01486	-0.11013	0.01727	0.095152	0.03984	-0.11258	0.01493
0.00054	-0.12664	0.00614	-0.15303	0.00091	0.095109	0.03993	-0.09259	0.04552
0.00039	-0.16096	0.00048	-0.04642	0.31682	0.005861	0.89948	-0.17672	0.00012
0.60143	-0.10172	0.02794	-0.12621	0.00631	0.045228	0.32942	-0.07652	0.09859
0.0001	-0.24716	6.27E-08	-0.21507	2.73E-06	-0.12913	0.00519	-0.38307	9.04E-18
0.00065	-0.07025	0.12954	-0.11954	0.00972	0.096551	0.037	-0.04708	0.30998
0.01382	0.066499	0.15135	0.176315	0.00013	0.351723	4.80E-15	0.266771	4.74E-09
0.03317	0.008461	0.8553	-0.13954	0.00251	0.149828	0.00116	0.011259	0.80827
0.04861	-0.18358	6.59E-05	-0.06229	0.179	-0.02613	0.57333	-0.2027	1.01E-05
3.87E-06	-0.16637	0.00031	-0.32583	5.18E-13	-0.37351	6.58E-17	-0.52568	1.54E-34

3.65E-07	-0.19883	1.50E-05	-0.17793	0.00011	-0.15675	0.00068	-0.32935	2.82E-13
0.00071	-0.221	1.42E-06	-0.2775	1.05E-09	-0.22234	1.22E-06	-0.39856	3.13E-19
3.05E-15	-0.17371	0.00016	-0.36729	2.32E-16	-0.33053	2.29E-13	-0.3834	8.41E-18
0.16905	0.118953	0.01009	0.28199	5.51E-10	0.267262	4.43E-09	0.422096	1.34E-21
0.01123	-0.1156	0.01243	-0.17208	0.00019	-0.16725	0.00028	-0.24071	1.40E-07
3.53E-10	-0.19453	2.31E-05	-0.12909	0.00521	-0.21607	2.45E-06	-0.28014	7.21E-10
3.18E-16	-0.18066	8.63E-05	-0.33887	5.18E-14	-0.37557	4.32E-17	-0.4099	2.38E-20
0.00011	-0.04258	0.35859	-0.17702	0.00012	-0.21034	4.55E-06	-0.15991	0.00052
1.23E-08	-0.31471	3.40E-12	-0.27135	2.52E-09	-0.36653	2.70E-16	-0.56234	2.71E-40
0.69459	-0.13557	0.00333	-0.31361	4.07E-12	-0.33967	4.49E-14	-0.38037	1.59E-17
2.38E-11	-0.18364	6.56E-05	-0.28479	3.65E-10	-0.2192	1.73E-06	-0.40644	5.29E-20
4.07E-06	-0.20832	5.63E-06	-0.35523	2.46E-15	-0.28239	5.20E-10	-0.40006	2.24E-19
7.79E-19	-0.21537	2.64E-06	-0.43701	3.34E-23	-0.33605	8.60E-14	-0.44889	1.55E-24
1.39E-09	-0.19829	1.59E-05	-0.312	5.30E-12	-0.24446	8.80E-08	-0.33322	1.42E-13
4.26E-10	-0.14989	0.00116	-0.35716	1.70E-15	-0.25054	4.08E-08	-0.33654	7.89E-14
4.35E-13	-0.29286	1.09E-10	-0.40949	2.62E-20	-0.40066	1.96E-19	-0.59879	8.99E-47
2.24E-11	-0.12684	0.00605	-0.35889	1.21E-15	-0.26296	7.96E-09	-0.32853	3.25E-13
1.89E-08	-0.07265	0.11692	-0.36923	1.57E-16	-0.23958	1.61E-07	-0.21292	3.45E-06
6.07E-05	-0.22137	1.36E-06	-0.35554	2.32E-15	-0.2904	1.58E-10	-0.4641	2.54E-26
1.19E-26	-0.23172	4.12E-07	-0.42462	7.25E-22	-0.33934	4.76E-14	-0.49148	9.04E-30
0.00011	-0.14762	0.00138	-0.33217	1.72E-13	-0.32891	3.04E-13	-0.36221	6.34E-16
7.34E-17	-0.07276	0.11638	-0.19886	1.50E-05	-0.08752	0.05877	-0.14897	0.00124
6.33E-19	-0.27467	1.58E-09	-0.11852	0.01037	-0.2579	1.57E-08	-0.41571	6.14E-21
6.75E-11	-0.05314	0.25177	-0.41509	7.09E-21	-0.26835	3.82E-09	-0.34536	1.58E-14
6.75E-08	-0.07918	0.08741	-0.26208	8.97E-09	-0.26177	9.35E-09	-0.24907	4.92E-08
2.31E-07	-0.16144	0.00046	-0.24314	1.04E-07	-0.21823	1.93E-06	-0.35266	4.01E-15
5.15E-19	-0.08422	0.069	-0.11372	0.01394	-0.16987	0.00023	-0.22793	6.42E-07
0.1071	-0.06876	0.13791	-0.22903	5.65E-07	-0.1987	1.52E-05	-0.2278	6.52E-07
0.1021	-0.13107	0.00455	-0.14431	0.00177	-0.18758	4.52E-05	-0.27078	2.72E-09
1.05E-19	-0.26422	6.71E-09	-0.36368	4.75E-16	-0.35721	1.68E-15	-0.52005	1.02E-33
1.45E-07	-0.13852	0.0027	-0.18195	7.67E-05	-0.1953	2.14E-05	-0.30389	1.96E-11
1.31E-12	-0.14818	0.00132	-0.32682	4.37E-13	-0.34781	1.00E-14	-0.41051	2.07E-20
0.00471	-0.23415	3.09E-07	-0.27969	7.70E-10	-0.29123	1.40E-10	-0.44724	2.40E-24
5.13E-06	-0.1846	5.99E-05	-0.45316	5.00E-25	-0.36682	2.54E-16	-0.50426	1.73E-31
3.61E-20	-0.14146	0.00218	-0.31521	3.12E-12	-0.22047	1.50E-06	-0.37462	5.25E-17
0.18852	0.013369	0.77324	-0.21866	1.84E-06	-0.22734	6.87E-07	-0.22843	6.06E-07
3.48E-06	-0.16305	0.0004	-0.32204	9.92E-13	-0.33601	8.67E-14	-0.41656	5.01E-21
2.12E-06	-0.23259	3.72E-07	-0.15618	0.00071	-0.20133	1.16E-05	-0.35891	1.21E-15
6.45E-11	-0.12723	0.0059	-0.28266	5.00E-10	-0.26341	7.49E-09	-0.35967	1.04E-15
4.70E-12	-0.08292	0.07341	-0.27891	8.61E-10	-0.22465	9.37E-07	-0.26419	6.74E-09
6.06E-05	-0.10288	0.0262	-0.17248	0.00018	-0.2229	1.14E-06	-0.30016	3.54E-11
2.72E-08	-0.19398	2.43E-05	-0.4688	6.84E-27	-0.36306	5.36E-16	-0.45066	9.72E-25
6.67E-09	0.028202	0.54323	-0.06776	0.14372	-0.04223	0.36248	-0.01097	0.81307
1.82E-14	-0.06401	0.16726	-0.26197	9.10E-09	-0.21618	2.42E-06	-0.26469	6.30E-09
8.00E-15	-0.20472	8.21E-06	-0.26304	7.88E-09	-0.17164	0.00019	-0.34214	2.86E-14

1.63E-08	-0.04227	0.36208	-0.11287	0.01467	-0.12841	0.00545	-0.17373	0.00016
0.01962	-0.18701	4.77E-05	-0.24029	1.47E-07	-0.25364	2.74E-08	-0.38843	2.88E-18
4.47E-09	-0.15868	0.00058	-0.35799	1.45E-15	-0.29608	6.66E-11	-0.39681	4.62E-19
1.96E-10	-0.19733	1.74E-05	-0.31364	4.05E-12	-0.37764	2.81E-17	-0.48055	2.35E-28
1.68E-09	-0.34345	2.25E-14	-0.34864	8.58E-15	-0.47124	3.43E-27	-0.63041	4.17E-53
0.00106	-0.06459	0.16348	-0.29242	1.17E-10	-0.25077	3.96E-08	-0.24164	1.25E-07
1.90E-16	-0.31979	1.45E-12	-0.20182	1.11E-05	-0.36116	7.80E-16	-0.52744	8.43E-35
1.59E-05	-0.09818	0.0339	-0.24386	9.47E-08	-0.29735	5.48E-11	-0.28035	7.00E-10
0.00011	-0.05498	0.23567	-0.17387	0.00016	-0.13626	0.00317	-0.19246	2.83E-05
5.64E-05	-0.02797	0.5465	-0.0756	0.10274	-0.04995	0.28137	-0.08491	0.06676
1.25E-08	-0.22196	1.27E-06	-0.41221	1.39E-20	-0.3868	4.08E-18	-0.50828	4.79E-32
1.60E-08	-0.00639	0.89053	-0.35039	6.17E-15	-0.31329	4.29E-12	-0.22631	7.74E-07
1.20E-30	-0.23548	2.64E-07	-0.25627	1.94E-08	-0.1339	0.00375	-0.36266	5.81E-16
6.49E-14	-0.12024	0.0093	-0.28625	2.94E-10	-0.21371	3.16E-06	-0.33232	1.67E-13
2.97E-16	-0.06605	0.15416	-0.29696	5.81E-11	-0.12129	0.0087	-0.20131	1.17E-05
4.28E-11	-0.22987	5.13E-07	-0.18581	5.35E-05	-0.1316	0.00439	-0.36753	2.21E-16
1.92E-08	-0.18873	4.05E-05	-0.35256	4.10E-15	-0.24612	7.14E-08	-0.411	1.85E-20
2.99E-11	-0.27315	1.96E-09	-0.33303	1.47E-13	-0.33447	1.14E-13	-0.51136	1.78E-32
4.76E-17	-0.14194	0.00211	-0.3467	1.23E-14	-0.29406	9.09E-11	-0.43056	1.69E-22
1.50E-09	-0.16189	0.00044	-0.22176	1.30E-06	-0.11084	0.01657	-0.29298	1.07E-10
1.25E-09	-0.24128	1.30E-07	-0.33863	5.41E-14	-0.41016	2.24E-20	-0.4949	3.19E-30
3.12E-19	-0.21049	4.47E-06	-0.2672	4.47E-09	-0.27334	1.90E-09	-0.45242	6.08E-25
5.36E-06	-0.14112	0.00224	-0.2738	1.78E-09	-0.20806	5.79E-06	-0.26067	1.08E-08
7.59E-16	-0.19969	1.38E-05	-0.29161	1.32E-10	-0.26332	7.58E-09	-0.44013	1.51E-23
0.00013	-0.13076	0.00465	-0.28848	2.11E-10	-0.17649	0.00013	-0.25303	2.96E-08
0.00013	-0.2068	6.61E-06	-0.16	0.00052	-0.2841	4.04E-10	-0.417	4.51E-21
4.67E-10	-0.025	0.5899	-0.27064	2.78E-09	-0.2004	1.28E-05	-0.21264	3.55E-06
1.56E-18	-0.10303	0.02599	-0.36655	2.69E-16	-0.18508	5.73E-05	-0.29794	4.99E-11
8.54E-14	-0.20091	1.22E-05	-0.43257	1.02E-22	-0.3148	3.35E-12	-0.47114	3.53E-27
5.55E-22	-0.26331	7.60E-09	-0.35754	1.58E-15	-0.297	5.78E-11	-0.4764	7.84E-28
2.39E-12	-0.19906	1.47E-05	-0.42036	2.03E-21	-0.32467	6.33E-13	-0.46437	2.36E-26
7.61E-07	-0.2371	2.17E-07	-0.38089	1.43E-17	-0.34443	1.88E-14	-0.46486	2.06E-26
6.50E-08	-0.25821	1.50E-08	-0.44681	2.68E-24	-0.30922	8.34E-12	-0.44986	1.20E-24
2.18E-11	-0.12125	0.00872	-0.38562	5.25E-18	-0.23703	2.19E-07	-0.28595	3.08E-10
0.00033	-0.26881	3.58E-09	-0.29339	1.01E-10	-0.23544	2.65E-07	-0.46024	7.36E-26
0.02483	-0.19599	2.00E-05	-0.23892	1.74E-07	-0.12629	0.00628	-0.26449	6.47E-09
2.46E-10	-0.13214	0.00423	-0.34512	1.65E-14	-0.27264	2.10E-09	-0.33259	1.59E-13
0.00029	-0.18176	7.80E-05	-0.33595	8.77E-14	-0.26242	8.57E-09	-0.37155	9.81E-17
1.48E-06	0.039292	0.3969	-0.25237	3.22E-08	-0.17358	0.00016	-0.11434	0.01342
0.0135	-0.14956	0.00119	-0.34287	2.50E-14	-0.34832	9.10E-15	-0.40048	2.04E-19
6.43E-12	-0.14909	0.00123	-0.18022	8.99E-05	-0.22192	1.28E-06	-0.24434	8.92E-08
0.15845	-0.07066	0.1273	-0.18892	3.98E-05	-0.21778	2.03E-06	-0.22421	9.85E-07
3.54E-21	-0.16868	0.00025	-0.26061	1.09E-08	-0.28479	3.65E-10	-0.4243	7.84E-22
1.12E-08	-0.0995	0.03158	-0.3371	7.12E-14	-0.27469	1.57E-09	-0.29897	4.25E-11
2.29E-13	-0.23775	2.01E-07	-0.41355	1.02E-20	-0.40647	5.25E-20	-0.55975	7.31E-40

9.32E-16	-0.23443	2.99E-07	-0.32955	2.72E-13	-0.20903	5.22E-06	-0.40021	2.17E-19
7.69E-32	-0.14075	0.0023	-0.26434	6.61E-09	-0.13943	0.00253	-0.30334	2.14E-11
8.79E-31	-0.20181	1.11E-05	-0.2978	5.11E-11	-0.36155	7.22E-16	-0.46081	6.29E-26
2.03E-10	-0.24498	8.24E-08	-0.22222	1.23E-06	-0.3774	2.95E-17	-0.47642	7.79E-28
3.97E-23	-0.27995	7.41E-10	-0.23594	2.49E-07	-0.32193	1.01E-12	-0.50342	2.25E-31
8.93E-09	-0.07044	0.12853	-0.16068	0.00049	-0.22722	6.97E-07	-0.29519	7.64E-11
5.68E-14	-0.19428	2.36E-05	-0.25447	2.45E-08	-0.3081	9.99E-12	-0.40292	1.18E-19
0.15385	-0.03179	0.49319	-0.18972	3.68E-05	-0.20931	5.08E-06	-0.21476	2.82E-06
0.22236	-0.1019	0.02768	-0.14114	0.00223	-0.09738	0.03539	-0.17582	0.00013
5.34E-16	0.215203	2.69E-06	0.349737	6.98E-15	0.236978	2.20E-07	0.467848	8.94E-27
2.12E-20	-0.15876	0.00057	-0.39918	2.73E-19	-0.37109	1.08E-16	-0.3974	4.06E-19
0.00012	-0.12601	0.0064	-0.26833	3.83E-09	-0.33611	8.51E-14	-0.36066	8.60E-16
2.51E-05	-0.27113	2.60E-09	-0.33748	6.66E-14	-0.30519	1.59E-11	-0.45726	1.66E-25
2.89E-06	-0.07658	0.09837	-0.46812	8.28E-27	-0.38127	1.32E-17	-0.36639	2.77E-16
5.42E-13	-0.22546	8.54E-07	-0.27389	1.76E-09	-0.18988	3.63E-05	-0.40074	1.92E-19
4.06E-07	-0.19638	1.92E-05	-0.49531	2.81E-30	-0.40793	3.75E-20	-0.58699	1.39E-44
1.87E-22	-0.21613	2.43E-06	-0.20166	1.13E-05	-0.17916	9.91E-05	-0.38807	3.11E-18
0.00049	-0.00291	0.95001	-0.27195	2.31E-09	-0.14673	0.00148	-0.16858	0.00025
0.00027	-0.09347	0.04349	-0.31963	1.49E-12	-0.23684	2.24E-07	-0.29863	4.49E-11
6.25E-08	-0.14395	0.00182	-0.36298	5.45E-16	-0.37448	5.40E-17	-0.39094	1.67E-18
0.00151	-0.05986	0.19659	-0.28752	2.44E-10	-0.24325	1.02E-07	-0.26641	4.98E-09
2.87E-16	-0.15847	0.00059	-0.32067	1.25E-12	-0.22453	9.50E-07	-0.33741	6.75E-14
2.06E-08	-0.18767	4.48E-05	-0.25042	4.14E-08	-0.32056	1.28E-12	-0.39687	4.56E-19
0.00133	-0.18015	9.05E-05	-0.38718	3.76E-18	-0.3812	1.34E-17	-0.44936	1.37E-24
0.00144	-0.10559	0.02249	-0.05965	0.19818	-0.15701	0.00066	-0.24367	9.71E-08
9.66E-09	-0.01653	0.72159	-0.15929	0.00055	-0.08844	0.05616	-0.08607	0.06311
4.55E-06	-0.21899	1.77E-06	-0.17785	0.00011	-0.16012	0.00051	-0.33298	1.49E-13
0.01589	-0.23726	2.13E-07	-0.25381	2.68E-08	-0.25183	3.46E-08	-0.36405	4.41E-16
8.10E-23	-0.05153	0.26645	-0.08661	0.06147	-0.11786	0.0108	-0.11681	0.01153
3.14E-07	-0.18559	5.46E-05	-0.37365	6.39E-17	-0.25685	1.80E-08	-0.47207	2.71E-27
0.88143	-0.17073	0.00021	-0.26469	6.30E-09	-0.21494	2.77E-06	-0.33302	1.48E-13
4.96E-05	-0.23279	3.63E-07	-0.04782	0.30245	-0.06454	0.1638	-0.22465	9.37E-07
0.00103	0.087589	0.05857	0.25417	2.55E-08	0.209458	4.99E-06	0.268158	3.92E-09
3.91E-16	-0.14267	0.002	-0.40558	6.43E-20	-0.2356	2.60E-07	-0.32761	3.81E-13
1.48E-16	-0.1821	7.57E-05	-0.41323	1.10E-20	-0.26184	9.26E-09	-0.35198	4.57E-15
7.00E-18	-0.17511	0.00014	-0.3026	2.41E-11	-0.37915	2.06E-17	-0.47891	3.79E-28
5.39E-11	-0.21705	2.20E-06	-0.32379	7.37E-13	-0.31779	2.03E-12	-0.43792	2.65E-23
0.00124	0.117383	0.01113	0.170699	0.00021	0.149719	0.00117	0.251951	3.40E-08
1.69E-16	-0.11439	0.01338	-0.36528	3.46E-16	-0.28616	2.99E-10	-0.37668	3.43E-17
0.00097	-0.21112	4.18E-06	-0.36323	5.19E-16	-0.39327	1.01E-18	-0.42885	2.57E-22
1.78E-05	-0.01223	0.79214	-0.24893	5.01E-08	-0.13312	0.00395	-0.18094	8.42E-05
0.00084	-0.18609	5.21E-05	-0.20725	6.31E-06	-0.24655	6.76E-08	-0.42595	5.25E-22
1.78E-05	-0.03787	0.41423	-0.26629	5.07E-09	-0.21609	2.44E-06	-0.20754	6.11E-06
1.39E-05	0.237348	2.11E-07	0.436622	3.69E-23	0.310128	7.20E-12	0.501247	4.45E-31
6.56E-10	-0.10003	0.03068	-0.37263	7.87E-17	-0.34723	1.12E-14	-0.41732	4.19E-21

2.36E-15	-0.30634	1.33E-11	-0.35603	2.11E-15	-0.32951	2.73E-13	-0.56696	4.54E-41
9.41E-11	-0.06998	0.13102	-0.26727	4.43E-09	-0.28937	1.85E-10	-0.26418	6.75E-09
8.20E-10	-0.24683	6.53E-08	-0.17314	0.00017	-0.26623	5.11E-09	-0.4118	1.53E-20
1.27E-38	0.172685	0.00018	0.30967	7.75E-12	0.120624	0.00907	0.331497	1.93E-13
3.04E-20	-0.21224	3.71E-06	-0.28864	2.06E-10	-0.3408	3.65E-14	-0.44004	1.55E-23
2.49E-22	-0.12623	0.00631	-0.24523	7.99E-08	-0.24504	8.18E-08	-0.30185	2.71E-11
1.13E-16	-0.17945	9.65E-05	-0.15892	0.00057	-0.05588	0.22808	-0.24986	4.45E-08
1.47E-06	-0.11749	0.01105	-0.13998	0.00243	-0.21837	1.90E-06	-0.22379	1.03E-06
2.01E-10	-0.11332	0.01427	-0.02868	0.53647	-0.12445	0.00709	-0.14522	0.00165
9.00E-10	0.22189	1.28E-06	0.410582	2.04E-20	0.461798	4.80E-26	0.592053	1.64E-45
0.41797	-0.16901	0.00024	-0.33019	2.43E-13	-0.28936	1.85E-10	-0.38123	1.33E-17
0.06723	-0.12948	0.00507	-0.30851	9.35E-12	-0.20078	1.23E-05	-0.36127	7.63E-16
7.33E-09	-0.19978	1.36E-05	-0.30654	1.29E-11	-0.28731	2.51E-10	-0.35699	1.75E-15
3.99E-10	0.003124	0.94633	-0.3475	1.06E-14	-0.2176	2.07E-06	-0.21381	3.13E-06
1.42E-12	-0.32702	4.22E-13	-0.24883	5.07E-08	-0.32571	5.29E-13	-0.52923	4.57E-35
1.57E-14	-0.18312	6.88E-05	-0.22122	1.38E-06	-0.28594	3.08E-10	-0.42344	9.65E-22
7.71E-19	-0.22353	1.06E-06	-0.38586	5.00E-18	-0.35442	2.87E-15	-0.45995	7.97E-26
4.51E-14	-0.30332	2.15E-11	-0.43109	1.48E-22	-0.4182	3.40E-21	-0.5643	1.27E-40
6.92E-11	-0.13739	0.00293	-0.27817	9.57E-10	-0.2059	7.26E-06	-0.27958	7.81E-10
2.51E-11	-0.17754	0.00011	-0.36188	6.77E-16	-0.28837	2.15E-10	-0.36641	2.76E-16
2.89E-07	-0.09925	0.032	-0.36089	8.22E-16	-0.29583	6.92E-11	-0.33237	1.66E-13
3.98E-05	-0.2076	6.08E-06	-0.35912	1.16E-15	-0.35941	1.10E-15	-0.44179	9.86E-24
2.53E-21	-0.18808	4.31E-05	-0.34377	2.12E-14	-0.28248	5.13E-10	-0.45539	2.74E-25
1.10E-16	-0.15352	0.00087	-0.39275	1.13E-18	-0.2551	2.26E-08	-0.36682	2.54E-16
3.14E-12	-0.1729	0.00017	-0.33063	2.25E-13	-0.25673	1.83E-08	-0.40055	2.01E-19
5.16E-11	-0.1115	0.01592	-0.28926	1.88E-10	-0.18723	4.67E-05	-0.23464	2.92E-07
1.77E-10	-0.08852	0.05594	-0.24972	4.53E-08	-0.25949	1.27E-08	-0.29897	4.26E-11
2.83E-20	-0.12886	0.00529	-0.23575	2.55E-07	-0.12114	0.00878	-0.32925	2.87E-13
1.56E-06	-0.20004	1.33E-05	-0.31547	2.99E-12	-0.29589	6.86E-11	-0.40061	1.98E-19
0.17853	-0.0542	0.24243	-0.26978	3.13E-09	-0.27373	1.80E-09	-0.28175	5.71E-10
5.35E-11	-0.1771	0.00012	-0.25424	2.53E-08	-0.25303	2.96E-08	-0.38676	4.12E-18
2.07E-06	-0.24663	6.70E-08	-0.37415	5.78E-17	-0.31637	2.58E-12	-0.46804	8.47E-27
0.19117	-0.09416	0.04196	-0.3791	2.08E-17	-0.33237	1.66E-13	-0.33904	5.02E-14
0.1944	-0.08371	0.07072	-0.36345	4.97E-16	-0.30891	8.77E-12	-0.29717	5.63E-11
0.32251	0.034393	0.45841	0.390683	1.77E-18	0.371146	1.07E-16	0.33878	5.27E-14
3.77E-05	-0.09468	0.04083	-0.29855	4.54E-11	-0.25039	4.16E-08	-0.26614	5.17E-09
0.00174	-0.10184	0.02777	-0.25545	2.16E-08	-0.1548	0.00079	-0.29415	8.96E-11
0.00011	-0.03672	0.42854	-0.17024	0.00022	-0.17182	0.00019	-0.18545	5.53E-05
1.04E-09	-0.09424	0.04178	-0.29754	5.32E-11	-0.32497	6.01E-13	-0.4073	4.34E-20
4.54E-11	-0.14358	0.00187	-0.28715	2.58E-10	-0.25346	2.80E-08	-0.33517	1.01E-13
2.21E-13	-0.11482	0.01303	-0.25234	3.23E-08	-0.30767	1.07E-11	-0.31263	4.78E-12
4.46E-12	-0.22233	1.22E-06	-0.27754	1.05E-09	-0.25094	3.87E-08	-0.42249	1.22E-21
6.68E-17	-0.21971	1.63E-06	-0.35352	3.41E-15	-0.29237	1.18E-10	-0.44808	1.92E-24
2.57E-20	-0.12706	0.00597	-0.29226	1.20E-10	-0.31531	3.07E-12	-0.36041	9.03E-16
1.09E-08	-0.23919	1.68E-07	-0.25342	2.81E-08	-0.1668	0.00029	-0.41316	1.12E-20



4.25E-06	-0.1049	0.02339	-0.20157	1.14E-05	-0.25498	2.30E-08	-0.31249	4.89E-12
2.43E-10	-0.15384	0.00085	-0.43574	4.62E-23	-0.20368	9.15E-06	-0.32861	3.20E-13
1.10E-12	-0.22744	6.79E-07	-0.25545	2.16E-08	-0.23723	2.14E-07	-0.36271	5.74E-16
4.15E-13	-0.19049	3.42E-05	-0.34701	1.16E-14	-0.24807	5.59E-08	-0.41068	1.99E-20
1.12E-28	-0.20651	6.81E-06	-0.43393	7.28E-23	-0.29115	1.41E-10	-0.47356	1.77E-27
3.36E-16	-0.20634	6.94E-06	-0.33372	1.30E-13	-0.22912	5.59E-07	-0.4327	9.89E-23
1.43E-09	-0.23084	4.57E-07	-0.18519	5.67E-05	-0.20298	9.83E-06	-0.36789	2.05E-16
2.33E-23	-0.24362	9.76E-08	-0.35506	2.54E-15	-0.27764	1.03E-09	-0.40003	2.25E-19
0.01646	-0.18306	6.92E-05	-0.34633	1.32E-14	-0.35257	4.09E-15	-0.43013	1.88E-22
4.63E-14	-0.21074	4.36E-06	-0.34323	2.34E-14	-0.33662	7.77E-14	-0.45879	1.09E-25
1.10E-08	-0.16704	0.00029	-0.32516	5.82E-13	-0.23372	3.25E-07	-0.32255	9.10E-13
3.79E-08	-0.22021	1.55E-06	-0.24256	1.11E-07	-0.24499	8.23E-08	-0.37862	2.30E-17
1.76E-25	-0.13837	0.00273	-0.35346	3.45E-15	-0.21278	3.50E-06	-0.319	1.66E-12
1.80E-08	-0.15175	0.001	-0.40582	6.09E-20	-0.33707	7.16E-14	-0.35043	6.12E-15
0.00144	-0.09328	0.04394	-0.3162	2.65E-12	-0.1527	0.00093	-0.23623	2.41E-07
5.80E-18	-0.22834	6.13E-07	-0.30183	2.72E-11	-0.27583	1.34E-09	-0.43481	5.83E-23
4.51E-16	-0.20613	7.09E-06	-0.3864	4.45E-18	-0.3488	8.32E-15	-0.45043	1.03E-24
3.12E-19	-0.24751	5.99E-08	-0.34534	1.59E-14	-0.31755	2.11E-12	-0.50845	4.54E-32
7.35E-09	-0.10101	0.02907	-0.36656	2.68E-16	-0.27402	1.73E-09	-0.36032	9.19E-16
6.93E-18	-0.09583	0.03843	-0.31629	2.61E-12	-0.25147	3.62E-08	-0.26068	1.08E-08
3.60E-11	-0.32218	9.69E-13	-0.34552	1.53E-14	-0.46143	5.32E-26	-0.62228	2.08E-51
0.44215	-0.11254	0.01496	-0.14496	0.00169	-0.10393	0.0247	-0.18434	6.14E-05
2.74E-16	-0.2844	3.87E-10	-0.24838	5.37E-08	-0.2571	1.74E-08	-0.47936	3.32E-28
7.27E-07	-0.25723	1.71E-08	-0.3849	6.12E-18	-0.44542	3.85E-24	-0.52906	4.84E-35
6.05E-13	-0.08536	0.06533	-0.34792	9.81E-15	-0.24276	1.09E-07	-0.33144	1.95E-13
6.76E-20	-0.20623	7.02E-06	-0.35704	1.74E-15	-0.35594	2.15E-15	-0.42664	4.42E-22
0.00028	0.217508	2.09E-06	0.15649	0.00069	0.262476	8.50E-09	0.33047	2.31E-13
1.46E-20	-0.15389	0.00085	-0.34069	3.72E-14	-0.25621	1.96E-08	-0.31838	1.84E-12
4.74E-09	-0.18703	4.76E-05	-0.26068	1.08E-08	-0.33469	1.10E-13	-0.39775	3.75E-19
2.48E-05	0.020762	0.65451	0.312297	5.05E-12	0.284684	3.71E-10	0.22751	6.74E-07
0.75201	-0.12119	0.00875	-0.28803	2.26E-10	-0.22359	1.06E-06	-0.24264	1.10E-07
0.25863	-0.10611	0.02183	-0.04641	0.3169	-0.13201	0.00427	-0.21196	3.82E-06
1.77E-24	-0.15135	0.00103	-0.26533	5.77E-09	-0.22205	1.26E-06	-0.31636	2.58E-12
1.23E-19	-0.17638	0.00013	-0.1558	0.00073	-0.26003	1.18E-08	-0.29708	5.71E-11
1.65E-13	-0.20783	5.93E-06	-0.2158	2.52E-06	-0.19819	1.60E-05	-0.30601	1.40E-11
2.43E-19	-0.05748	0.21503	-0.19908	1.46E-05	-0.21255	3.58E-06	-0.24203	1.19E-07
8.23E-08	-0.18421	6.21E-05	-0.35702	1.74E-15	-0.26701	4.59E-09	-0.37418	5.75E-17
2.95E-25	-0.19615	1.96E-05	-0.25648	1.89E-08	-0.25119	3.75E-08	-0.40754	4.10E-20
8.35E-08	-0.14697	0.00145	-0.11023	0.01717	-0.21802	1.97E-06	-0.32504	5.95E-13
9.15E-07	-0.11588	0.01221	-0.2092	5.13E-06	-0.2414	1.28E-07	-0.31893	1.68E-12
8.51E-08	-0.10247	0.02681	-0.22701	7.14E-07	-0.27751	1.05E-09	-0.28986	1.72E-10
0.01017	-0.08038	0.08271	-0.24163	1.25E-07	-0.18988	3.63E-05	-0.1959	2.01E-05
0.00015	-0.10044	0.02999	-0.30171	2.77E-11	-0.25516	2.24E-08	-0.31041	6.88E-12
5.36E-13	-0.14849	0.00129	-0.25589	2.04E-08	-0.3368	7.53E-14	-0.38988	2.10E-18
1.48E-18	-0.09388	0.04258	-0.29325	1.03E-10	-0.18304	6.93E-05	-0.26931	3.34E-09

0.00049	-0.00747	0.87211	-0.28567	3.21E-10	-0.09198	0.04698	-0.11939	0.00982
0.00035	-0.21634	2.37E-06	-0.41582	5.97E-21	-0.4307	1.63E-22	-0.46027	7.31E-26
8.42E-21	-0.15888	0.00057	-0.30628	1.34E-11	-0.23523	2.72E-07	-0.38571	5.15E-18
1.97E-08	-0.23077	4.61E-07	-0.40036	2.10E-19	-0.3291	2.94E-13	-0.4769	6.78E-28
4.42E-24	-0.24802	5.62E-08	-0.36999	1.35E-16	-0.36759	2.18E-16	-0.4894	1.70E-29
0.00243	-0.06849	0.13942	-0.31003	7.31E-12	-0.24646	6.84E-08	-0.22777	6.54E-07
0.24093	-0.16502	0.00034	-0.27508	1.49E-09	-0.21252	3.60E-06	-0.36237	6.14E-16
5.16E-05	-0.19171	3.04E-05	-0.21017	4.63E-06	-0.20826	5.67E-06	-0.32063	1.26E-12
0.01111	-0.02094	0.65168	-0.26761	4.22E-09	-0.22272	1.17E-06	-0.20595	7.23E-06
3.33E-07	-0.29912	4.15E-11	-0.27336	1.90E-09	-0.43019	1.85E-22	-0.54077	8.00E-37
1.85E-17	-0.1706	0.00021	-0.28414	4.02E-10	-0.22788	6.46E-07	-0.37045	1.23E-16
6.25E-19	-0.2008	1.23E-05	-0.29852	4.56E-11	-0.22327	1.10E-06	-0.37461	5.26E-17
1.40E-08	-0.08958	0.05306	-0.29718	5.62E-11	-0.13847	0.00271	-0.28381	4.22E-10
0.02776	-0.08902	0.05456	-0.19099	3.26E-05	-0.1616	0.00046	-0.18366	6.55E-05
1.06E-09	-0.18545	5.54E-05	-0.33201	1.77E-13	-0.25397	2.62E-08	-0.36464	3.93E-16
1.20E-20	-0.29543	7.36E-11	-0.31735	2.19E-12	-0.28347	4.44E-10	-0.49177	8.29E-30
1.00E-25	-0.23458	2.94E-07	-0.15437	0.00082	-0.17574	0.00013	-0.35031	6.27E-15
2.86E-18	-0.21003	4.70E-06	-0.27609	1.29E-09	-0.3166	2.48E-12	-0.42535	6.07E-22
4.98E-11	-0.22151	1.34E-06	-0.21623	2.40E-06	-0.29604	6.70E-11	-0.41967	2.39E-21
1.67E-22	-0.19159	3.07E-05	-0.22723	6.97E-07	-0.20767	6.03E-06	-0.31088	6.37E-12
1.86E-16	-0.21956	1.66E-06	-0.21675	2.27E-06	-0.23916	1.69E-07	-0.34522	1.62E-14
4.54E-11	-0.27688	1.15E-09	-0.3762	3.79E-17	-0.36952	1.48E-16	-0.54843	5.02E-38
2.58E-07	-0.21731	2.13E-06	-0.22494	9.06E-07	-0.26032	1.13E-08	-0.35876	1.24E-15
0.05696	-0.18512	5.71E-05	-0.27338	1.89E-09	-0.30413	1.89E-11	-0.37849	2.36E-17
4.10E-11	-0.16661	0.0003	-0.31966	1.48E-12	-0.42164	1.49E-21	-0.50118	4.55E-31
0.71849	-0.14567	0.0016	-0.29337	1.01E-10	-0.26668	4.80E-09	-0.38002	1.71E-17
1.33E-05	-0.2769	1.15E-09	-0.17903	0.0001	-0.21733	2.13E-06	-0.40699	4.66E-20
2.04E-13	-0.20325	9.57E-06	-0.20551	7.57E-06	-0.33158	1.90E-13	-0.44623	3.12E-24
0.23265	-0.1045	0.02392	-0.35659	1.89E-15	-0.26701	4.59E-09	-0.27836	9.31E-10
1.13E-08	-0.3312	2.04E-13	-0.38532	5.61E-18	-0.37238	8.29E-17	-0.54315	3.41E-37
3.26E-09	0.101239	0.0287	0.378109	2.55E-17	0.350176	6.43E-15	0.43643	3.87E-23
4.04E-05	-0.21511	2.72E-06	-0.22097	1.42E-06	-0.20374	9.09E-06	-0.33658	7.83E-14
4.15E-18	-0.03146	0.49769	-0.18583	5.34E-05	-0.17687	0.00012	-0.18684	4.85E-05
0.08791	-0.11105	0.01636	-0.25172	3.50E-08	-0.22469	9.32E-07	-0.32608	4.97E-13
1.93E-14	-0.21211	3.76E-06	-0.26576	5.45E-09	-0.26647	4.94E-09	-0.40364	9.99E-20
2.81E-22	-0.21412	3.03E-06	-0.35192	4.62E-15	-0.32071	1.24E-12	-0.49303	5.64E-30
8.63E-11	-0.15131	0.00104	-0.21917	1.74E-06	-0.20776	5.98E-06	-0.30779	1.05E-11
7.35E-21	-0.23927	1.67E-07	-0.3801	1.68E-17	-0.32209	9.85E-13	-0.50842	4.58E-32
0.20309	-0.02017	0.66379	-0.17154	0.0002	-0.10982	0.01759	-0.10438	0.02409
0.31204	-0.01286	0.78172	-0.07526	0.10431	-0.15948	0.00054	-0.09653	0.03704
8.15E-15	-0.24194	1.20E-07	-0.20822	5.69E-06	-0.3501	6.52E-15	-0.43859	2.24E-23
1.49E-10	-0.12485	0.0069	-0.30473	1.72E-11	-0.20368	9.15E-06	-0.24032	1.47E-07
0.0001	0.036271	0.43422	-0.34539	1.57E-14	-0.26711	4.53E-09	-0.33299	1.48E-13
1.16E-18	-0.19369	2.50E-05	-0.2359	2.51E-07	-0.17221	0.00018	-0.36826	1.91E-16
6.84E-17	-0.13989	0.00245	-0.1661	0.00031	-0.23435	3.02E-07	-0.29833	4.70E-11

5.32E-08	-0.11482	0.01304	-0.24936	4.74E-08	-0.25098	3.85E-08	-0.34152	3.20E-14
6.92E-09	-0.16465	0.00035	-0.36849	1.82E-16	-0.37734	2.99E-17	-0.40416	8.88E-20
5.55E-06	-0.10023	0.03034	-0.11641	0.01182	-0.04895	0.2911	-0.10544	0.02268
3.81E-13	0.002984	0.94872	-0.25759	1.63E-08	-0.11978	0.00958	-0.1226	0.008
0.00113	-0.11535	0.01262	-0.34174	3.08E-14	-0.24586	7.38E-08	-0.3916	1.45E-18
1.54E-10	-0.19278	2.74E-05	-0.21869	1.83E-06	-0.1695	0.00023	-0.35065	5.88E-15
1.11E-21	-0.22902	5.66E-07	-0.27323	1.93E-09	-0.17472	0.00015	-0.42725	3.81E-22
7.57E-07	-0.18379	6.46E-05	-0.26968	3.18E-09	-0.28082	6.53E-10	-0.41156	1.62E-20
0.00054	-0.20175	1.12E-05	-0.40146	1.64E-19	-0.33603	8.64E-14	-0.43881	2.12E-23
1.96E-05	0.253059	2.95E-08	0.349911	6.76E-15	0.338749	5.30E-14	0.47062	4.09E-27
1.57E-06	-0.24369	9.68E-08	-0.07434	0.10864	-0.1419	0.00211	-0.33796	6.10E-14
0.53865	-0.0245	0.59739	-0.30774	1.06E-11	-0.29166	1.31E-10	-0.34769	1.02E-14
0.01745	-0.11262	0.01489	-0.47681	6.97E-28	-0.41227	1.37E-20	-0.43407	7.02E-23
2.01E-05	-0.12621	0.00631	-0.20037	1.28E-05	-0.21977	1.62E-06	-0.30747	1.11E-11
2.35E-20	-0.11546	0.01254	-0.30803	1.01E-11	-0.29402	9.14E-11	-0.31943	1.54E-12
1.44E-11	-0.26398	6.94E-09	-0.33358	1.34E-13	-0.42074	1.85E-21	-0.51936	1.28E-33
2.61E-15	-0.05404	0.24379	-0.37551	4.37E-17	-0.24996	4.39E-08	-0.27552	1.40E-09
9.63E-10	-0.27207	2.27E-09	-0.29669	6.06E-11	-0.27717	1.11E-09	-0.4743	1.43E-27
0.03159	-0.17232	0.00018	-0.36811	1.96E-16	-0.40284	1.20E-19	-0.47976	2.95E-28
2.45E-32	-0.23769	2.02E-07	-0.26998	3.05E-09	-0.2575	1.65E-08	-0.45559	2.60E-25
4.20E-12	-0.10389	0.02476	-0.16232	0.00043	-0.23359	3.30E-07	-0.31862	1.77E-12
2.55E-20	-0.14116	0.00223	-0.33403	1.23E-13	-0.25124	3.73E-08	-0.35635	1.98E-15
6.39E-07	-0.16469	0.00035	-0.40082	1.89E-19	-0.30652	1.29E-11	-0.40289	1.19E-19
2.00E-12	-0.18018	9.02E-05	-0.24686	6.51E-08	-0.25962	1.25E-08	-0.39116	1.59E-18
6.23E-06	-0.18102	8.36E-05	-0.31843	1.83E-12	-0.34328	2.32E-14	-0.44989	1.19E-24
1.11E-18	-0.11057	0.01683	-0.24128	1.30E-07	-0.11402	0.01369	-0.24692	6.46E-08
1.62E-17	-0.17623	0.00013	-0.34751	1.06E-14	-0.27262	2.11E-09	-0.3912	1.58E-18
2.45E-13	-0.0166	0.72055	-0.16123	0.00047	-0.10741	0.02026	-0.06598	0.15459
1.14E-15	-0.14201	0.0021	-0.3042	1.87E-11	-0.27378	1.79E-09	-0.33525	9.93E-14
9.09E-09	-0.22012	1.56E-06	-0.26815	3.92E-09	-0.23809	1.93E-07	-0.42431	7.82E-22
1.09E-25	-0.19684	1.83E-05	-0.27258	2.12E-09	-0.1872	4.69E-05	-0.36812	1.96E-16
2.47E-20	-0.22257	1.19E-06	-0.33802	6.04E-14	-0.23776	2.00E-07	-0.43126	1.42E-22
1.38E-09	-0.14062	0.00232	-0.29399	9.18E-11	-0.30894	8.73E-12	-0.40838	3.39E-20
4.75E-10	-0.06835	0.14023	-0.05944	0.19976	-0.11985	0.00953	-0.15586	0.00073
2.06E-15	-0.16148	0.00046	-0.20904	5.22E-06	-0.19412	2.40E-05	-0.26954	3.24E-09
1.95E-06	-0.10381	0.02487	-0.32722	4.08E-13	-0.36551	3.30E-16	-0.36464	3.93E-16
5.20E-09	-0.29745	5.39E-11	-0.31512	3.17E-12	-0.42263	1.17E-21	-0.57246	5.19E-42
2.47E-09	-0.25017	4.28E-08	-0.28699	2.64E-10	-0.35498	2.58E-15	-0.48455	7.22E-29
1.86E-05	-0.1409	0.00227	-0.34938	7.47E-15	-0.28273	4.95E-10	-0.34341	2.26E-14
1.10E-22	-0.18535	5.59E-05	-0.25163	3.54E-08	-0.29336	1.01E-10	-0.42344	9.64E-22
0.00257	-0.04692	0.31168	-0.29539	7.40E-11	-0.29328	1.02E-10	-0.3351	1.02E-13
8.29E-06	-0.20293	9.88E-06	-0.3148	3.34E-12	-0.27239	2.18E-09	-0.34312	2.39E-14
8.08E-12	-0.15418	0.00083	-0.26292	8.01E-09	-0.26521	5.87E-09	-0.37258	7.96E-17
0.96054	-0.10378	0.02491	-0.21261	3.56E-06	-0.18946	3.78E-05	-0.28886	1.99E-10
2.03E-05	-0.1961	1.97E-05	-0.35918	1.15E-15	-0.38535	5.57E-18	-0.42595	5.24E-22

7.03E-34	-0.09215	0.04656	-0.21443	2.92E-06	-0.12713	0.00594	-0.20744	6.18E-06
7.14E-15	-0.26312	7.79E-09	-0.32754	3.86E-13	-0.37961	1.87E-17	-0.50149	4.13E-31
1.00E-07	-0.09644	0.03722	-0.34362	2.18E-14	-0.23795	1.96E-07	-0.32059	1.27E-12
1.18E-12	-0.12097	0.00887	-0.30863	9.17E-12	-0.19803	1.63E-05	-0.28083	6.53E-10
9.80E-09	-0.25559	2.12E-08	-0.23954	1.61E-07	-0.20018	1.31E-05	-0.36919	1.58E-16
4.31E-08	-0.31427	3.65E-12	-0.2721	2.27E-09	-0.41776	3.77E-21	-0.62058	4.66E-51
0.30208	-0.21618	2.42E-06	-0.13941	0.00253	-0.2197	1.64E-06	-0.29457	8.39E-11
0.00064	-0.10847	0.01904	-0.32619	4.87E-13	-0.27588	1.33E-09	-0.29389	9.32E-11
6.26E-10	-0.13846	0.00271	-0.32264	8.96E-13	-0.24646	6.84E-08	-0.34459	1.82E-14
4.16E-26	-0.12864	0.00537	-0.19322	2.62E-05	-0.21767	2.05E-06	-0.27969	7.69E-10
0.29947	-0.27276	2.07E-09	-0.25337	2.83E-08	-0.31955	1.51E-12	-0.46171	4.92E-26
1.09E-11	-0.0046	0.92098	-0.12691	0.00603	-0.06509	0.16021	-0.10902	0.01844
0.0001	-0.17773	0.00011	-0.28656	2.81E-10	-0.2352	2.73E-07	-0.32152	1.08E-12
3.03E-14	-0.18361	6.57E-05	-0.4134	1.05E-20	-0.36011	9.56E-16	-0.47829	4.53E-28
3.40E-19	-0.2998	3.74E-11	-0.40635	5.39E-20	-0.36976	1.41E-16	-0.58073	1.85E-43
6.32E-22	-0.11291	0.01464	-0.14753	0.00139	-0.15259	0.00094	-0.24322	1.03E-07
0.00407	-0.14451	0.00174	-0.29731	5.50E-11	-0.34355	2.21E-14	-0.41798	3.58E-21
0.00241	-0.10675	0.02104	-0.30888	8.81E-12	-0.3372	7.00E-14	-0.37801	2.61E-17
3.51E-15	-0.17811	0.00011	-0.16514	0.00034	-0.2371	2.17E-07	-0.37636	3.66E-17
1.03E-07	-0.2389	1.75E-07	-0.38439	6.82E-18	-0.3699	1.37E-16	-0.46645	1.32E-26
8.70E-19	-0.23943	1.64E-07	-0.27953	7.87E-10	-0.33095	2.13E-13	-0.47945	3.24E-28
6.85E-14	-0.11356	0.01407	-0.22914	5.58E-07	-0.24031	1.47E-07	-0.26091	1.05E-08
0.00017	-0.05519	0.23391	-0.29359	9.76E-11	-0.29565	7.11E-11	-0.25313	2.92E-08
1.88E-07	-0.23133	4.32E-07	-0.37075	1.15E-16	-0.29051	1.56E-10	-0.42094	1.76E-21
2.48E-07	-0.18596	5.28E-05	-0.2514	3.65E-08	-0.30397	1.94E-11	-0.36379	4.65E-16
6.53E-13	0.203753	9.08E-06	0.479847	2.88E-28	0.560781	4.93E-40	0.664185	9.82E-61
0.03526	-0.12911	0.0052	-0.26417	6.76E-09	-0.24572	7.51E-08	-0.31895	1.67E-12
8.35E-10	-0.11686	0.0115	-0.18365	6.55E-05	-0.1587	0.00058	-0.29637	6.37E-11
2.14E-08	-0.18655	4.99E-05	-0.2838	4.23E-10	-0.41683	4.71E-21	-0.46867	7.10E-27
1.66E-06	-0.20508	7.91E-06	-0.38854	2.81E-18	-0.32342	7.84E-13	-0.4389	2.07E-23
6.30E-05	-0.02771	0.55036	-0.08329	0.07213	-0.12143	0.00862	-0.08594	0.0635
4.90E-06	-0.16847	0.00026	-0.31648	2.53E-12	-0.23905	1.71E-07	-0.37792	2.65E-17
4.73E-12	-0.17473	0.00015	-0.28613	3.00E-10	-0.13907	0.0026	-0.31282	4.63E-12
1.08E-64	0.177477	0.00012	0.077328	0.0951	0.094943	0.04028	0.152914	0.00092
2.02E-84	0.114586	0.01322	-0.00048	0.99179	0.015612	0.73651	0.107089	0.02063
2.88E-11	-0.0303	0.51369	0.042046	0.36463	-0.09985	0.03097	-0.12114	0.00878
9.67E-29	0.029229	0.52864	-0.02552	0.5822	-0.03444	0.45781	0.003032	0.94791
4.75E-28	0.163234	0.0004	0.176954	0.00012	0.323676	7.51E-13	0.438753	2.15E-23
#####	0.118859	0.01015	0.081972	0.07678	0.020656	0.65615	0.112599	0.01491
#####	0.120064	0.0094	0.01259	0.78612	-0.03877	0.40326	0.052358	0.25881
3.22E-35	0.116781	0.01155	-0.11006	0.01734	-0.07214	0.11954	0.00911	0.84435
2.55E-36	0.077102	0.09607	-0.04195	0.36573	-0.01316	0.77661	0.057826	0.21227
5.96E-39	0.106254	0.02165	-0.07766	0.09368	-0.055	0.23549	0.018817	0.68504
#####	0.133488	0.00385	0.032667	0.48128	-0.00192	0.96707	0.084897	0.0668
#####	0.104104	0.02446	0.07799	0.09229	0.005009	0.91403	0.103326	0.02556

7.46E-31	0.0412	0.37437	-0.01107	0.8114	0.020148	0.66408	0.082245	0.0758
1.25E-29	0.043571	0.34747	0.117021	0.01138	0.000213	0.99634	0.085656	0.06439
5.17E-17	0.011992	0.79604	0.006606	0.88679	-0.01452	0.75431	0.037397	0.42009
#####	0.097974	0.03429	0.048969	0.29096	-0.01884	0.68471	0.072528	0.11754
2.33E-81	0.075095	0.10507	0.070726	0.12695	-0.05074	0.2738	0.0742	0.10929
3.53E-94	0.131169	0.00452	0.008364	0.85695	-0.05648	0.22309	0.040611	0.38124
8.91E-71	0.085657	0.06439	0.055294	0.23302	0.006688	0.88539	0.101241	0.0287
#####	0.126395	0.00624	0.037981	0.41286	-0.01538	0.74024	0.094359	0.04153
#####	0.119173	0.00995	0.094217	0.04184	-0.00119	0.97949	0.10681	0.02097
1.77E-77	0.076467	0.09885	0.019251	0.67818	-0.04494	0.33255	0.058017	0.21077
1.00E-34	0.062095	0.18038	0.049657	0.28422	-0.0094	0.83939	0.048919	0.29145
4.74E-54	0.0843	0.06874	0.121612	0.00852	0.034443	0.45775	0.126612	0.00615
1.68E-48	0.054916	0.23624	0.140521	0.00234	0.057567	0.21434	0.128136	0.00555
#####	0.101524	0.02825	0.077338	0.09505	0.030342	0.51305	0.100548	0.02982
#####	0.104839	0.02347	0.055489	0.23137	-0.01879	0.68546	0.086464	0.0619
#####	0.101011	0.02907	0.101217	0.02874	0.012928	0.78052	0.099776	0.0311
7.90E-14	0.017013	0.71385	0.130067	0.00487	-0.00084	0.98547	0.054351	0.24109
#####	0.104193	0.02434	0.064867	0.16166	0.002603	0.95527	0.110656	0.01675
#####	0.123616	0.00748	0.077776	0.09319	-0.00021	0.99632	0.110339	0.01706
6.82E-38	0.132089	0.00424	0.180482	8.78E-05	0.074906	0.10595	0.193346	2.59E-05
2.35E-74	0.070136	0.13016	0.081361	0.07902	-0.00408	0.92995	0.083983	0.0698
9.34E-55	0.148129	0.00133	0.092183	0.04648	-0.01924	0.67836	0.077085	0.09615
1.08E-44	0.097299	0.03555	0.018878	0.68407	0.00987	0.83155	0.072476	0.1178
1.42E-58	0.17419	0.00015	0.137817	0.00284	0.136057	0.00322	0.249068	4.92E-08
1.86E-63	0.115656	0.01238	0.219341	1.70E-06	0.083921	0.07	0.239588	1.60E-07
#####	0.126945	0.00601	0.090117	0.05163	0.004838	0.91696	0.118715	0.01024
#####	0.106578	0.02125	0.02419	0.60207	-0.04883	0.29233	0.064733	0.16253
1.73E-36	0.050685	0.27436	0.037299	0.42131	-0.00633	0.8915	-0.014	0.76285
7.90E-83	0.071528	0.12269	0.067262	0.1467	-0.02961	0.52328	0.06303	0.1739
#####	0.121298	0.00869	0.022647	0.62545	-0.01446	0.75534	0.058738	0.20514
2.61E-58	0.135143	0.00343	0.081327	0.07914	0.071025	0.12535	0.142937	0.00196
#####	0.091841	0.0473	0.114433	0.01335	0.02166	0.64059	0.132083	0.00425
2.17E-53	0.111145	0.01627	0.067031	0.1481	0.074824	0.10634	0.164046	0.00037
2.52E-72	0.10126	0.02867	0.068134	0.14152	-0.04858	0.29484	0.067768	0.14368
8.51E-91	0.14135	0.0022	0.084201	0.06907	0.050006	0.28085	0.193655	2.51E-05
0.00211	-0.09194	0.04707	-0.08819	0.05686	-0.06027	0.19352	-0.16093	0.00048
6.03E-40	0.087615	0.0585	0.051707	0.26479	-0.02404	0.6043	0.031084	0.5028
4.71E-27	0.073867	0.11089	-0.00626	0.89266	-0.0732	0.11416	0.028163	0.54379
5.12E-27	0.055643	0.23008	-0.11099	0.01642	-0.20755	6.11E-06	-0.08449	0.06812
#####	0.160858	0.00048	0.051721	0.26466	-0.00565	0.90313	0.11221	0.01526
9.15E-25	-0.03352	0.46985	-0.1001	0.03056	-0.15079	0.00108	-0.15436	0.00082
#####	0.143868	0.00183	0.088701	0.05543	0.026602	0.56636	0.145851	0.00158
6.53E-40	0.017529	0.70556	0.018763	0.6859	-0.07782	0.093	-0.01617	0.72738
6.25E-52	0.14507	0.00167	-0.0602	0.19406	-0.02542	0.58377	0.007911	0.86461
2.76E-73	0.172724	0.00018	0.150702	0.00109	0.235185	2.73E-07	0.326593	4.55E-13

4.74E-37	0.012146	0.79349	0.089498	0.05327	0.054065	0.24359	0.025586	0.58128
5.72E-22	0.100876	0.02928	0.173518	0.00016	0.200005	1.33E-05	0.186421	5.05E-05
1.01E-28	0.024681	0.59471	0.039625	0.39292	-0.02523	0.5866	0.009931	0.83052
1.95E-36	0.173947	0.00016	-0.02007	0.66538	0.110211	0.01719	0.280882	6.47E-10
2.31E-41	0.129099	0.0052	-0.06415	0.16636	-0.06775	0.14376	0.11501	0.01288
#####	0.127928	0.00563	0.119545	0.00972	0.049467	0.28607	0.154523	0.00081
#####	0.180281	8.94E-05	0.013109	0.77754	-0.01982	0.6693	0.075523	0.1031
7.30E-81	0.072375	0.11831	0.101885	0.02769	0.011292	0.80772	0.128695	0.00535
2.67E-86	0.141579	0.00216	-0.00636	0.89106	-0.05086	0.27269	0.070205	0.12979
#####	0.144875	0.0017	0.022599	0.62618	-0.0139	0.76454	0.071624	0.12219
7.14E-52	0.02895	0.53259	0.132688	0.00407	0.01935	0.67662	0.074843	0.10625
3.41E-95	0.079749	0.08516	0.044701	0.3351	-0.02284	0.62244	0.060935	0.18867
#####	0.106338	0.02154	0.079312	0.08689	-0.01417	0.76004	0.07571	0.10224
5.70E-23	0.04708	0.30999	0.080077	0.08388	0.050945	0.2719	0.105025	0.02322
5.24E-57	0.137692	0.00287	0.037817	0.41488	-0.00876	0.85029	0.114985	0.0129
#####	0.115035	0.01286	0.088428	0.05619	0.004045	0.93052	0.114834	0.01302
3.44E-51	0.091471	0.04821	0.083954	0.06989	0.049672	0.28408	0.13383	0.00376
#####	0.123375	0.0076	0.051279	0.26876	-0.03474	0.45387	0.073899	0.11074
1.55E-33	0.131762	0.00434	0.254146	2.56E-08	0.251951	3.40E-08	0.393005	1.07E-18
#####	0.133535	0.00384	0.075015	0.10544	-0.0003	0.99491	0.11507	0.01284
2.14E-28	0.199677	1.38E-05	0.159944	0.00052	0.192487	2.82E-05	0.316371	2.58E-12
#####	0.207939	5.87E-06	0.130725	0.00466	0.186746	4.89E-05	0.343827	2.10E-14
8.91E-50	0.03476	0.45363	-0.04934	0.28732	-0.0534	0.24944	-0.0211	0.64932
1.56E-12	0.019689	0.67128	0.034402	0.4583	0.076413	0.09909	0.020574	0.65742
2.02E-57	0.086635	0.06139	0.035995	0.43774	0.003727	0.93599	0.095042	0.04007
6.64E-28	0.186084	5.21E-05	0.090854	0.04974	0.080086	0.08384	0.208183	5.72E-06
#####	0.169306	0.00024	0.115155	0.01277	0.054132	0.243	0.207072	6.43E-06
#####	0.114449	0.01333	0.121416	0.00863	0.025676	0.57994	0.148628	0.00128
#####	0.145755	0.00159	0.084029	0.06964	0.036263	0.43432	0.157232	0.00065
1.08E-20	0.141161	0.00223	0.140532	0.00234	0.2151	2.72E-06	0.226329	7.73E-07
#####	0.100363	0.03012	0.075033	0.10536	-0.03189	0.49174	0.07617	0.10017
4.24E-89	0.134266	0.00365	0.006454	0.88938	-0.04308	0.35296	0.043493	0.34834
8.24E-25	0.026749	0.56421	-0.06819	0.1412	-0.03179	0.49317	-0.03273	0.48048
2.54E-86	0.132325	0.00418	0.026291	0.57089	0.006712	0.88498	0.153931	0.00085
1.07E-46	0.070775	0.12669	0.146529	0.0015	0.012303	0.79088	0.18072	8.59E-05
1.56E-37	0.182332	7.40E-05	0.063111	0.17334	0.033247	0.47353	0.161904	0.00044
4.12E-56	0.153232	0.00089	0.074585	0.10746	0.092632	0.04542	0.184008	6.33E-05
1.13E-16	0.063245	0.17243	0.006329	0.8915	-0.08835	0.05642	-0.00764	0.86922
1.51E-23	-0.12518	0.00676	-0.06611	0.15374	-0.18541	5.55E-05	-0.21168	3.94E-06
1.85E-48	-0.13914	0.00258	0.04943	0.28643	-0.04405	0.34217	-0.16393	0.00037
#####	0.175408	0.00014	0.08137	0.07898	0.05321	0.25113	0.192099	2.93E-05
3.38E-54	0.157803	0.00062	0.033514	0.46998	0.011077	0.8113	0.139831	0.00246
1.84E-08	0.14549	0.00162	0.099193	0.0321	0.205968	7.21E-06	0.295542	7.23E-11
2.55E-75	0.118177	0.01059	-0.00739	0.87348	0.063039	0.17383	0.156952	0.00066
7.51E-30	0.178994	0.0001	0.116021	0.01211	0.102552	0.02669	0.188913	3.98E-05

1.07E-67	0.148748	0.00126	0.069746	0.13232	0.032017	0.49006	0.083182	0.07251
3.26E-20	0.033929	0.4645	-0.10163	0.02809	-0.1893	3.84E-05	-0.13126	0.00449
7.73E-59	0.082157	0.07612	-0.03666	0.42926	-0.10252	0.02673	-0.02387	0.60686
6.04E-46	0.1444	0.00176	0.074557	0.10759	-0.07426	0.109	0.089389	0.05356
2.11E-52	0.396916	4.51E-19	0.166594	0.0003	0.061307	0.18598	0.215894	2.49E-06
1.50E-45	0.116315	0.01189	0.103183	0.02576	-0.01977	0.66998	0.14362	0.00186
2.22E-37	0.115589	0.01243	0.098833	0.03274	0.047197	0.30878	0.2096	4.92E-06
3.43E-19	-0.13168	0.00437	-0.06598	0.1546	0.009663	0.83503	-0.1007	0.02957
#####	0.119561	0.00971	0.093325	0.04382	0.000188	0.99677	0.123262	0.00766
1.56E-77	0.099476	0.03161	0.032444	0.48429	-0.02047	0.65905	0.051509	0.26662
#####	0.148545	0.00128	0.065971	0.15463	-0.00432	0.92583	0.088251	0.05669
#####	0.158572	0.00058	0.091389	0.04841	0.016137	0.72798	0.139284	0.00256
3.59E-52	0.179486	9.62E-05	0.05575	0.22918	0.109533	0.01789	0.236486	2.34E-07
#####	0.151039	0.00106	0.060709	0.19032	-0.00749	0.87174	0.094426	0.04139
4.50E-58	0.131885	0.00431	0.104707	0.02364	0.083788	0.07045	0.190632	3.37E-05
4.22E-49	0.154911	0.00078	0.099329	0.03187	0.060736	0.19013	0.177245	0.00012
1.76E-76	0.054895	0.23641	-0.1196	0.00968	-0.12691	0.00603	-0.01903	0.68171
5.62E-28	0.171252	0.0002	0.155795	0.00073	0.315368	3.04E-12	0.358311	1.36E-15
#####	0.143866	0.00183	0.057262	0.21678	-0.00138	0.97632	0.095063	0.04003
2.33E-80	0.113674	0.01398	0.097844	0.03453	0.055226	0.23359	0.146322	0.00152
3.81E-33	0.095938	0.03822	0.057017	0.21876	0.140858	0.00228	0.148061	0.00133
6.26E-83	0.068417	0.13987	0.000221	0.9962	-0.01852	0.68977	0.038935	0.40122
2.70E-24	0.204065	8.79E-06	0.014279	0.75827	-0.01022	0.82571	0.121969	0.00833
#####	0.175261	0.00014	0.027212	0.55749	-0.02056	0.65765	0.10423	0.02429
1.39E-55	0.147354	0.00141	0.037266	0.42172	-0.02936	0.52683	0.071962	0.12043
6.15E-15	0.008314	0.85779	-0.15519	0.00077	-0.11577	0.0123	-0.07964	0.08557
3.91E-44	0.092649	0.04538	-0.09734	0.03547	-0.05387	0.24526	-0.01456	0.75358
2.30E-69	0.185512	5.50E-05	0.067947	0.14262	-0.00236	0.95941	0.09108	0.04917
#####	0.089842	0.05235	0.115974	0.01214	-0.00028	0.99519	0.085996	0.06333
4.67E-47	0.172455	0.00018	0.033324	0.4725	0.053842	0.24554	0.168798	0.00025
#####	0.140107	0.00241	0.046334	0.31772	-0.02619	0.57231	0.081986	0.07673
1.75E-36	0.094324	0.04161	-0.04728	0.30796	-0.04585	0.32285	0.058371	0.20799
3.59E-38	0.04606	0.3206	-0.01279	0.78276	-0.1543	0.00082	-0.09934	0.03186
1.28E-18	0.046202	0.31911	-0.01726	0.70996	-0.06802	0.1422	-0.00546	0.90632
#####	0.186996	4.78E-05	0.161366	0.00046	0.149638	0.00118	0.314397	3.57E-12
#####	0.186161	5.17E-05	0.091716	0.04761	0.050173	0.27924	0.187472	4.57E-05
2.72E-31	0.088377	0.05633	-0.04508	0.33096	-0.08557	0.06466	-0.02297	0.62053
2.61E-69	0.081682	0.07784	0.094458	0.04131	-0.01017	0.82644	0.080642	0.08171
1.04E-46	0.063447	0.17106	-0.04751	0.3056	0.024616	0.59569	0.061815	0.18236
2.68E-47	0.191783	3.02E-05	0.035421	0.44509	-0.01796	0.69871	0.141494	0.00218
1.59E-85	0.145683	0.0016	0.032493	0.48363	0.024714	0.59423	0.165008	0.00034
#####	0.154303	0.00082	0.038788	0.40299	-0.00636	0.89101	0.10503	0.02321
#####	0.128163	0.00554	0.029853	0.51988	-0.0278	0.54899	0.083419	0.0717
5.36E-63	0.149404	0.0012	0.166577	0.0003	0.20064	1.25E-05	0.315769	2.85E-12
#####	0.101871	0.02772	0.079307	0.08691	0.023258	0.61613	0.105534	0.02256

#####	0.102899	0.02617	0.09398	0.04236	-0.00365	0.93731	0.113426	0.01419
2.89E-49	0.095209	0.03972	0.15064	0.00109	0.061866	0.182	0.159703	0.00053
3.12E-17	0.076649	0.09805	0.071322	0.12378	-0.0153	0.74159	0.022705	0.62455
3.66E-20	-0.06892	0.13698	0.11916	0.00996	0.084293	0.06877	-0.01962	0.67239
6.42E-21	0.044852	0.33347	-0.03781	0.41494	-0.10754	0.0201	-0.03924	0.39753
#####	0.208281	5.66E-06	0.090077	0.05174	0.062776	0.17564	0.221056	1.41E-06
2.78E-77	0.100077	0.03059	-0.05243	0.25817	-0.07919	0.08737	0.063327	0.17187
#####	0.158941	0.00057	0.208294	5.65E-06	0.237473	2.07E-07	0.352017	4.54E-15
1.59E-51	0.118446	0.01041	0.033766	0.46666	0.031377	0.49878	0.110937	0.01647
1.55E-32	0.113224	0.01436	0.049211	0.28857	0.080256	0.08319	0.250841	3.92E-08
7.82E-46	0.06563	0.15678	-0.0401	0.38726	-0.03843	0.40733	0.047186	0.3089
#####	0.116771	0.01156	0.057986	0.21101	0.004588	0.92124	0.103294	0.0256
#####	0.164888	0.00035	0.084942	0.06665	0.052754	0.25522	0.216474	2.34E-06
3.76E-34	0.312933	4.55E-12	0.063115	0.17332	-0.0101	0.82767	0.164147	0.00037
1.79E-74	0.11316	0.01442	0.078335	0.09086	-0.01567	0.73548	0.071245	0.12419
4.16E-66	0.02902	0.53159	-0.0299	0.51927	-0.05474	0.23772	-0.01907	0.68104
2.64E-62	0.135936	0.00325	0.055411	0.23203	0.026119	0.57342	0.099499	0.03157
4.43E-46	0.134517	0.00359	-0.09193	0.0471	-0.06102	0.18802	0.011978	0.79627
3.98E-16	-0.03735	0.42065	-0.06682	0.1494	0.002722	0.95322	-0.01445	0.75539
5.97E-41	0.092004	0.04691	0.112538	0.01497	0.151891	0.00099	0.136399	0.00314
5.90E-76	0.048862	0.29201	0.09026	0.05126	-0.06201	0.18096	0.063724	0.1692
#####	0.12958	0.00504	0.096219	0.03766	0.131294	0.00448	0.21299	3.42E-06
#####	0.136427	0.00314	0.055837	0.22845	-0.00131	0.97744	0.079794	0.08498
6.24E-26	-0.11792	0.01076	-0.07464	0.10722	-0.0657	0.15635	-0.14245	0.00203
5.02E-31	0.10254	0.0267	0.100725	0.02953	-0.00875	0.85034	0.04201	0.36504
2.31E-29	0.116231	0.01195	-0.08822	0.05678	-0.03235	0.48556	0.107774	0.01983
2.38E-24	0.045739	0.32398	-0.06507	0.16032	-0.10311	0.02586	-0.04445	0.33787
1.20E-48	0.135303	0.00339	0.162986	0.00041	0.008257	0.85876	0.139138	0.00258
7.78E-37	0.048078	0.29984	0.095674	0.03876	-0.00342	0.94118	0.077127	0.09596
1.96E-48	0.062656	0.17647	0.040207	0.386	0.084518	0.06803	0.130236	0.00482
1.18E-45	0.165266	0.00034	-0.01118	0.80964	-0.01838	0.69204	0.06134	0.18575
2.71E-18	0.196594	1.88E-05	0.191412	3.13E-05	0.131553	0.0044	0.305409	1.54E-11
4.02E-45	0.150328	0.00112	0.028738	0.53558	0.000954	0.98359	0.127256	0.00589
6.39E-15	0.13671	0.00307	-0.001	0.98288	0.034842	0.45256	0.111243	0.01617
#####	0.130621	0.00469	0.066768	0.14969	-0.01203	0.79534	0.074007	0.11022
1.22E-37	0.107223	0.02047	0.042301	0.36172	-0.01356	0.77012	0.049345	0.28727
1.77E-16	0.048437	0.29623	-0.00396	0.932	-0.06151	0.18455	-0.03368	0.46778
1.58E-07	0.058076	0.2103	0.050721	0.27402	0.034481	0.45726	0.068893	0.13713
4.63E-28	0.093677	0.04303	0.064392	0.16476	0.042356	0.3611	0.104552	0.02385
#####	0.126901	0.00603	0.244777	8.45E-08	0.188919	3.98E-05	0.274207	1.68E-09
3.77E-28	-0.04726	0.3081	-0.10774	0.01987	-0.18937	3.81E-05	-0.25239	3.21E-08
8.02E-28	0.219038	1.76E-06	0.242124	1.17E-07	0.083924	0.07	0.184186	6.23E-05
2.89E-39	0.250952	3.87E-08	0.314624	3.44E-12	0.373277	6.91E-17	0.53178	1.90E-35
3.10E-17	-0.0785	0.09019	-0.09486	0.04046	-0.04112	0.37526	-0.09691	0.0363
5.59E-22	0.064977	0.16095	-0.04001	0.38837	0.029526	0.52446	0.069414	0.13418



4.10E-22	-0.10267	0.02651	-0.05762	0.21388	0.009934	0.83047	-0.09799	0.03425
1.20E-85	0.094072	0.04216	0.010338	0.82369	-0.0356	0.4428	0.046698	0.31394
1.13E-19	0.040086	0.38743	0.191005	3.25E-05	-0.01891	0.6836	0.023762	0.60851
1.53E-58	0.105166	0.02303	0.090798	0.04989	0.028418	0.54014	0.165199	0.00034
1.66E-23	0.082856	0.07364	0.02546	0.58314	-0.00819	0.85997	0.051814	0.26379
3.96E-64	0.085752	0.06409	0.064769	0.1623	0.000145	0.99751	0.090405	0.05089
5.05E-44	0.121779	0.00843	0.101576	0.02817	0.05598	0.22726	0.178796	0.0001
#####	0.082093	0.07635	0.048902	0.29162	-0.06114	0.1872	0.019474	0.67466
1.29E-68	0.083866	0.07019	0.095736	0.03863	0.062304	0.17892	0.205571	7.52E-06
#####	0.100851	0.02932	0.115971	0.01214	0.028429	0.53999	0.128457	0.00543
3.10E-18	0.054158	0.24278	0.055597	0.23046	0.03742	0.4198	0.059939	0.19601
#####	0.118246	0.01054	0.082471	0.075	-0.00054	0.99067	0.111833	0.01561
6.16E-13	0.114023	0.01368	0.075895	0.10141	0.188036	4.33E-05	0.237328	2.11E-07
2.82E-29	0.09266	0.04536	-0.05197	0.2624	-8.12E-05	0.9986	0.040555	0.3819
8.18E-57	0.237961	1.96E-07	0.093805	0.04275	0.000311	0.99466	0.109524	0.0179
4.59E-39	0.343976	2.04E-14	0.046024	0.32097	0.120792	0.00898	0.246661	6.67E-08
8.53E-41	0.051627	0.26553	-0.04165	0.36918	-0.02494	0.59082	-0.00119	0.97962
1.37E-49	0.074868	0.10613	-0.01695	0.71487	-0.06439	0.16478	0.015696	0.73513
4.64E-32	0.185781	5.36E-05	0.396388	5.07E-19	0.365057	3.62E-16	0.458872	1.07E-25
3.38E-32	0.026845	0.5628	-0.03958	0.39347	-0.02724	0.55709	-0.029	0.53185
3.77E-33	0.015321	0.74124	-0.08883	0.05507	-0.1093	0.01814	-0.07241	0.11812
4.30E-53	0.236015	2.47E-07	0.152286	0.00096	0.130524	0.00473	0.244194	9.09E-08
1.89E-18	-0.00427	0.92663	-0.14408	0.0018	-0.13158	0.0044	-0.1063	0.02159
#####	0.080979	0.08044	0.047395	0.30676	-0.00923	0.84237	0.086633	0.06139
#####	0.103297	0.0256	0.074643	0.10719	0.020762	0.6545	0.099961	0.03079
6.00E-11	0.017925	0.69924	0.10237	0.02696	0.041194	0.37444	0.050348	0.27756
2.33E-42	0.106518	0.02132	0.05422	0.24223	-0.01636	0.72443	0.028989	0.53204
5.82E-12	0.031275	0.50017	-0.00469	0.91943	-0.0599	0.1963	0.015311	0.74139
6.46E-49	0.071566	0.1225	0.238799	1.77E-07	0.289899	1.71E-10	0.362338	6.19E-16
1.11E-36	0.103865	0.02479	0.310022	7.32E-12	0.138912	0.00263	0.172803	0.00018
5.18E-35	0.114111	0.01361	-0.03534	0.44618	-0.02711	0.559	0.020413	0.65994
5.93E-87	0.017225	0.71044	-0.02393	0.60603	-0.13067	0.00468	-0.02307	0.61906
6.98E-81	0.055179	0.23399	0.078171	0.09154	0.002837	0.95125	0.049976	0.28113
#####	0.154479	0.00081	0.008894	0.84798	-0.01825	0.69401	0.055546	0.23089
7.57E-73	0.032477	0.48384	-0.08804	0.05728	-0.18448	6.06E-05	-0.10744	0.02022
#####	0.156105	0.00071	0.069917	0.13137	0.029298	0.52767	0.158457	0.00059
5.48E-18	0.102939	0.02612	-0.05599	0.22721	0.043385	0.34954	0.114865	0.013
3.44E-33	0.139725	0.00248	0.28945	1.83E-10	0.223654	1.05E-06	0.357588	1.56E-15
2.68E-29	0.095159	0.03982	0.077	0.09652	-0.00418	0.92829	0.051278	0.26878
1.97E-79	0.13972	0.00248	0.05614	0.22594	-0.00346	0.94061	0.060442	0.19228
1.96E-99	0.090161	0.05152	0.140057	0.00242	0.029109	0.53033	0.127283	0.00588
5.97E-24	0.084001	0.06974	0.001909	0.96719	-0.03148	0.49731	0.038946	0.40108
5.41E-71	0.123558	0.00751	0.103124	0.02585	0.083801	0.07041	0.18699	4.78E-05
1.59E-28	-0.00808	0.86178	-0.04422	0.3403	-0.11201	0.01545	-0.10027	0.03027
9.39E-28	0.048595	0.29466	-0.08951	0.05323	-0.03826	0.40945	0.010341	0.82363

4.57E-29	0.051382	0.26781	0.046051	0.3207	-0.04446	0.3377	0.032772	0.47988
3.06E-23	0.113441	0.01417	0.12356	0.00751	0.168022	0.00027	0.246503	6.81E-08
5.88E-62	0.205212	7.81E-06	0.011104	0.81085	0.035426	0.44501	0.100148	0.03047
3.76E-37	0.103508	0.0253	0.105471	0.02264	0.036481	0.43157	0.114993	0.0129
5.67E-41	0.067934	0.14269	-0.00403	0.9307	-0.01414	0.7605	0.0514	0.26764
2.89E-24	0.206723	6.67E-06	-0.07714	0.09593	-0.02643	0.56887	0.088924	0.05482
1.16E-33	0.18038	8.86E-05	0.044282	0.33966	-0.1337	0.0038	0.025407	0.58393
1.43E-39	0.123175	0.0077	0.087635	0.05844	0.081114	0.07993	0.1675	0.00028
#####	0.20982	4.81E-06	0.12893	0.00526	0.132038	0.00426	0.261599	9.56E-09
6.38E-18	0.041125	0.37523	0.000904	0.98445	-0.04759	0.30477	-0.02819	0.54334
6.97E-19	0.060387	0.19269	0.04272	0.35699	-0.01086	0.81495	0.03764	0.41707
5.06E-37	0.297741	5.15E-11	0.117805	0.01084	0.118929	0.0101	0.107797	0.0198
1.93E-28	0.060671	0.1906	0.053962	0.24448	0.054815	0.2371	0.186292	5.11E-05
#####	0.176887	0.00012	0.05795	0.2113	0.032424	0.48455	0.15589	0.00072
1.94E-35	0.020855	0.65306	0.061655	0.1835	-0.06723	0.14689	0.013189	0.77621
#####	0.116006	0.01212	0.169132	0.00024	0.105149	0.02306	0.190418	3.44E-05
8.40E-26	-0.03663	0.42975	0.037838	0.41462	-0.03844	0.4072	-0.07788	0.09277
2.36E-50	0.27098	2.65E-09	0.076912	0.0969	0.101212	0.02874	0.306772	1.24E-11
8.99E-86	0.1542	0.00083	-0.04199	0.36523	-0.07527	0.10427	0.069861	0.13168
#####	0.11701	0.01139	0.054441	0.24032	-0.05343	0.24916	0.057633	0.21381
8.35E-63	0.061253	0.18637	0.044693	0.33518	0.061478	0.18476	0.079183	0.0874
7.60E-82	0.126701	0.00611	0.055386	0.23224	-0.00046	0.99213	0.070129	0.1302
8.65E-41	0.069377	0.13439	0.001162	0.98002	-0.13386	0.00375	-0.0182	0.69488
5.62E-73	0.077758	0.09327	-0.09218	0.04648	-0.11922	0.00992	-0.05713	0.21783
9.39E-35	0.119545	0.00972	0.222658	1.17E-06	0.106318	0.02157	0.252701	3.09E-08
1.38E-72	0.338429	5.61E-14	0.112924	0.01462	0.165794	0.00032	0.323849	7.29E-13
8.55E-14	0.01888	0.68405	-0.0625	0.17753	-0.03581	0.44013	0.018431	0.69117
2.24E-85	0.090274	0.05122	0.024505	0.59735	-0.00997	0.82988	0.077518	0.09429
6.03E-21	0.052964	0.25333	-0.05706	0.21837	-0.06246	0.17786	0.021397	0.64466
1.21E-35	0.065782	0.15581	0.137509	0.0029	0.028171	0.54368	0.112372	0.01512
#####	0.138585	0.00269	0.087639	0.05843	0.037301	0.42129	0.106094	0.02185
2.34E-17	0.058616	0.20609	-0.00213	0.96331	-0.022	0.63535	0.019561	0.6733
4.93E-17	0.049105	0.28962	-0.02135	0.64532	-0.02425	0.6011	0.023616	0.61072
#####	0.043251	0.35103	0.108789	0.01869	-0.02632	0.5705	0.033947	0.46426
2.28E-47	0.198941	1.48E-05	0.084903	0.06678	0.23788	1.97E-07	0.383683	7.93E-18
#####	0.098817	0.03276	0.042687	0.35735	-0.03237	0.48535	0.085643	0.06443
#####	0.116604	0.01168	0.086688	0.06123	-0.01248	0.78799	0.118283	0.01052
1.22E-18	0.048857	0.29207	0.173488	0.00016	0.072944	0.11544	0.166929	0.00029
3.62E-15	0.112084	0.01538	0.047582	0.30486	-0.03088	0.50563	0.131201	0.00451
7.75E-44	0.111717	0.01572	0.112626	0.01489	0.054905	0.23633	0.142134	0.00208
1.07E-36	0.105058	0.02318	0.069753	0.13228	-0.01858	0.68873	0.060439	0.1923
2.04E-97	0.101768	0.02787	0.068169	0.14132	-0.02568	0.57987	0.083175	0.07254
1.07E-55	0.044604	0.33616	-0.02298	0.62037	-0.06067	0.19064	-0.03913	0.39882
#####	0.183734	6.50E-05	0.0967	0.03671	0.021924	0.63652	0.153241	0.00089
#####	0.129759	0.00498	0.092728	0.0452	-0.00134	0.97704	0.113282	0.01431

8.82E-47	0.027292	0.55633	0.180962	8.40E-05	0.200653	1.25E-05	0.164838	0.00035
2.58E-13	0.084262	0.06887	0.063141	0.17314	0.043229	0.35128	0.052252	0.25978
9.95E-24	0.122899	0.00784	0.093819	0.04272	0.005198	0.9108	0.070819	0.12646
5.57E-16	0.044928	0.33265	-0.10069	0.02958	0.00462	0.92068	-0.0065	0.88851
2.12E-24	0.094838	0.0405	0.024687	0.59462	-0.04566	0.32478	-0.01068	0.8179
1.31E-82	0.173717	0.00016	0.039195	0.39807	-0.01613	0.72811	0.074686	0.10698
#####	0.102592	0.02663	0.067893	0.14294	-0.01719	0.71095	0.076596	0.09828
7.86E-76	0.142965	0.00195	0.051796	0.26396	0.010181	0.82631	0.080111	0.08375
#####	0.249768	4.50E-08	0.169175	0.00024	0.19423	2.37E-05	0.349857	6.83E-15
5.10E-33	-0.14995	0.00115	-0.07245	0.11794	-0.13669	0.00308	-0.25464	2.40E-08
#####	0.095132	0.03988	0.087019	0.06024	-0.00369	0.9367	0.105627	0.02244
7.37E-13	0.068196	0.14116	0.014562	0.75363	0.052196	0.26029	0.132196	0.00421
2.87E-44	0.129391	0.0051	0.076102	0.10047	-0.07198	0.12032	0.096862	0.03639
3.10E-16	0.050411	0.27697	-0.08336	0.07189	-0.12135	0.00866	-0.05382	0.2457
9.05E-73	0.041517	0.37069	0.108879	0.01859	0.13733	0.00294	0.088939	0.05478
#####	0.099774	0.0311	0.125361	0.00668	0.13198	0.00428	0.22169	1.31E-06
1.95E-53	0.144528	0.00174	0.315921	2.78E-12	0.432911	9.39E-23	0.524549	2.26E-34
#####	0.104335	0.02414	0.091465	0.04822	-0.00187	0.9679	0.105207	0.02298
1.12E-26	0.111751	0.01569	-0.08011	0.08377	-0.08961	0.05298	0.059979	0.19572
#####	0.06851	0.13933	0.060952	0.18855	0.087603	0.05853	0.090587	0.05042
2.20E-21	0.26133	9.92E-09	0.033973	0.46392	-0.05737	0.21593	0.049828	0.28257
6.73E-42	0.11058	0.01682	0.0775	0.09436	0.051412	0.26753	0.148885	0.00125
6.79E-27	0.096946	0.03623	0.010787	0.81616	0.026721	0.56462	0.11023	0.01717
2.77E-22	0.099053	0.03235	0.008789	0.84976	-0.11718	0.01127	0.034647	0.45509
1.87E-20	0.019854	0.66869	-0.01554	0.73762	-0.01992	0.66758	0.005867	0.89937
1.36E-97	0.072993	0.11519	-0.02996	0.51842	-0.06601	0.15439	0.008463	0.85526
6.26E-18	-0.10239	0.02692	-0.14233	0.00205	-0.21328	3.32E-06	-0.22677	7.34E-07
5.29E-45	0.11764	0.01095	0.053111	0.25201	0.071454	0.12308	0.138549	0.0027
1.02E-49	0.073005	0.11513	0.036488	0.43148	-0.02115	0.64849	0.074888	0.10603
1.71E-77	0.089301	0.05379	0.035138	0.44873	-0.01566	0.73569	0.078633	0.08963
9.44E-38	0.079818	0.08489	0.142403	0.00204	0.152321	0.00096	0.210103	4.66E-06
1.38E-25	0.018699	0.68691	-0.14494	0.00169	-0.09123	0.0488	-0.07164	0.12213
9.09E-68	0.142284	0.00205	0.053315	0.25019	0.04473	0.33479	0.164504	0.00036
9.05E-27	0.044526	0.33699	0.139951	0.00244	-0.04313	0.35237	0.021596	0.64157
#####	0.151634	0.00101	0.088792	0.05518	0.049489	0.28586	0.154719	0.00079
2.99E-14	0.061228	0.18656	0.007512	0.87139	-0.00622	0.89344	0.021013	0.6506
1.73E-53	0.097464	0.03524	0.014483	0.75492	-0.04265	0.35781	-0.00239	0.95884
3.22E-31	0.081304	0.07923	-0.05671	0.22124	-0.07046	0.1284	0.002489	0.95721
1.87E-76	0.087222	0.05964	0.049716	0.28365	-0.0342	0.46097	0.056541	0.22263
#####	0.161099	0.00047	0.105766	0.02226	0.018065	0.69699	0.121407	0.00863
3.83E-56	0.188703	4.06E-05	0.071049	0.12523	0.063737	0.16911	0.172282	0.00018
5.69E-42	0.119742	0.0096	0.101378	0.02848	-0.00034	0.99409	0.144756	0.00171
8.23E-09	0.192692	2.76E-05	0.195422	2.11E-05	0.198347	1.58E-05	0.357037	1.74E-15
3.73E-19	0.049751	0.28331	0.158202	0.0006	0.113011	0.01455	0.140045	0.00242
2.29E-80	0.129828	0.00495	0.030041	0.51724	-0.01868	0.68718	0.068543	0.13914

#####	0.126489	0.0062	0.096886	0.03635	0.016134	0.72802	0.119844	0.00953
5.84E-43	0.084416	0.06836	0.060019	0.19542	0.01237	0.78977	0.078796	0.08896
#####	0.144344	0.00176	0.035547	0.44347	-0.00569	0.90235	0.097698	0.0348
2.30E-56	0.140812	0.00229	0.044851	0.33348	-0.01102	0.8122	0.09461	0.04099
1.09E-36	0.077732	0.09338	0.130815	0.00463	-0.05874	0.20514	0.064951	0.16112
3.15E-18	0.048514	0.29546	0.226175	7.86E-07	0.196589	1.88E-05	0.188836	4.01E-05
#####	0.173219	0.00017	0.062599	0.17686	0.050775	0.27351	0.158724	0.00058
#####	0.084638	0.06764	0.121592	0.00853	-0.00862	0.85256	0.102902	0.02617
2.23E-21	0.06734	0.14623	-0.01833	0.69278	-0.03041	0.51214	-0.00527	0.90955
4.11E-19	0.026888	0.56218	-0.07233	0.11854	-0.04608	0.32041	0.017519	0.70573
7.02E-26	0.089217	0.05402	0.143425	0.00189	0.064342	0.16509	0.102821	0.02629
1.05E-37	0.105731	0.0223	0.122421	0.00809	0.098205	0.03387	0.225683	8.32E-07
6.23E-54	0.047749	0.30316	0.039765	0.39125	-0.06153	0.1844	-0.00858	0.85326
5.61E-25	0.100239	0.03032	0.000131	0.99775	-0.04445	0.33782	0.018281	0.69355
6.79E-19	0.022676	0.625	-0.08392	0.07	-0.13289	0.00402	-0.09248	0.04578
9.14E-18	0.081788	0.07745	0.207442	6.18E-06	0.080627	0.08177	0.225654	8.35E-07
4.77E-69	0.088566	0.0558	0.024601	0.59591	-0.04907	0.28995	0.061054	0.18781
1.76E-24	0.034579	0.45598	-0.07683	0.09726	-0.05754	0.21459	0.005454	0.90642
6.99E-72	0.433485	8.13E-23	0.289415	1.84E-10	0.235932	2.50E-07	0.442323	8.60E-24
#####	0.131607	0.00439	0.085828	0.06385	0.018831	0.68483	0.138492	0.00271
#####	0.135505	0.00335	0.087119	0.05995	0.005461	0.90631	0.112687	0.01483
1.20E-21	-0.07154	0.12263	-0.08523	0.06573	-0.20928	5.09E-06	-0.27586	1.33E-09
#####	0.167086	0.00029	0.193568	2.53E-05	0.221349	1.36E-06	0.346292	1.33E-14
#####	0.123288	0.00765	0.132209	0.00421	0.068344	0.1403	0.16439	0.00036
5.04E-40	-0.06671	0.15004	0.041322	0.37295	-0.13062	0.00469	-0.09066	0.05023
2.47E-17	0.087828	0.05789	0.08612	0.06295	0.08983	0.05238	0.164362	0.00036
5.53E-15	0.154229	0.00083	0.066907	0.14884	0.008777	0.84997	0.091402	0.04838
9.33E-63	0.052545	0.25711	-0.01096	0.81319	0.007405	0.87321	0.011975	0.79632
9.52E-28	0.128308	0.00549	0.042222	0.36261	-0.08141	0.07883	0.052209	0.26017
2.20E-73	0.253625	2.74E-08	0.079163	0.08748	0.041439	0.3716	0.175485	0.00014
#####	0.101716	0.02795	0.122	0.00831	0.0322	0.48758	0.133517	0.00385
1.23E-46	0.100203	0.03038	-0.06758	0.14481	-0.08007	0.08392	0.018225	0.69445
2.24E-17	0.02847	0.5394	-0.07055	0.12792	-0.088	0.05738	-0.06025	0.19373
8.63E-52	0.62616	3.27E-52	0.13024	0.00482	0.074376	0.10845	0.301005	3.09E-11
3.18E-54	0.065924	0.15492	0.032811	0.47936	-0.05102	0.27115	0.034103	0.4622
#####	0.200167	1.31E-05	0.240552	1.43E-07	0.252392	3.21E-08	0.418217	3.38E-21
4.72E-42	0.068309	0.1405	0.144216	0.00178	0.028254	0.54249	0.084747	0.06728
4.37E-16	0.050626	0.27491	0.002501	0.95701	0.033431	0.47109	0.095272	0.03959
2.77E-53	0.115833	0.01225	0.046805	0.31283	-0.02919	0.52916	0.09458	0.04105
3.02E-39	0.055284	0.23311	-0.00062	0.98938	-0.02056	0.65764	0.007011	0.87989
2.42E-34	0.097183	0.03577	0.006934	0.88121	0.006872	0.88226	0.103026	0.02599
2.28E-14	0.171363	0.0002	0.036076	0.4367	0.058204	0.2093	0.192444	2.83E-05
2.71E-53	0.029831	0.52018	-0.04081	0.37895	-0.04917	0.289	-0.04559	0.32556
4.69E-40	0.112749	0.01478	0.116576	0.0117	0.082159	0.07611	0.205309	7.73E-06
1.68E-18	0.183287	6.77E-05	0.27038	2.88E-09	0.18135	8.11E-05	0.343879	2.08E-14

1.87E-48	0.140505	0.00234	0.003029	0.94795	-0.04269	0.35737	0.127489	0.0058
3.70E-51	0.14305	0.00194	-0.02183	0.63796	0.011018	0.81229	0.086915	0.06055
1.39E-22	0.218955	1.78E-06	0.179296	9.79E-05	0.076987	0.09657	0.174906	0.00015
#####	0.141081	0.00224	0.152468	0.00095	0.070024	0.13078	0.186772	4.88E-05
1.42E-35	0.116312	0.01189	0.075275	0.10424	0.052776	0.25502	0.152432	0.00095
8.29E-24	-0.01536	0.74064	-0.04279	0.35622	-0.04058	0.38159	-0.03977	0.39117
2.82E-19	0.015346	0.74083	-0.09506	0.04003	-0.106	0.02196	-0.10796	0.01961
1.69E-13	-0.00135	0.97672	0.001451	0.97506	0.012005	0.79583	0.056565	0.22244
8.40E-32	0.441286	1.12E-23	0.204989	7.99E-06	0.107002	0.02074	0.337829	6.25E-14
#####	0.121777	0.00843	0.106846	0.02092	0.021371	0.64505	0.127588	0.00576
2.65E-19	0.00166	0.97146	0.098535	0.03327	-0.07472	0.10684	-0.0795	0.08616
5.57E-27	0.232448	3.78E-07	0.133344	0.00389	0.108031	0.01954	0.256746	1.82E-08
1.14E-46	0.246094	7.17E-08	0.10814	0.01941	0.132124	0.00423	0.324007	7.09E-13
#####	0.122645	0.00797	0.082799	0.07385	-0.002	0.96565	0.174679	0.00015
4.17E-38	0.184798	5.88E-05	0.076739	0.09765	0.129137	0.00519	0.200051	1.33E-05
2.12E-32	0.150975	0.00107	-0.07146	0.12305	0.001178	0.97975	0.169012	0.00024
3.36E-15	0.019906	0.66788	0.336281	8.26E-14	0.305786	1.45E-11	0.270906	2.68E-09
3.44E-40	0.158269	0.0006	0.155309	0.00076	0.058522	0.20682	0.160431	0.0005
2.47E-88	0.149974	0.00115	0.086055	0.06315	0.010952	0.8134	0.163154	0.0004
3.83E-48	0.077466	0.09451	0.102622	0.02658	0.006583	0.88717	0.062074	0.18053
7.08E-35	0.19747	1.72E-05	0.282653	5.00E-10	0.392444	1.21E-18	0.506623	8.14E-32
2.64E-24	0.075529	0.10307	0.117962	0.01073	0.00975	0.83356	0.077454	0.09456
1.11E-19	-0.0023	0.9604	0.03623	0.43474	-0.01689	0.71579	0.016286	0.72557
3.39E-75	0.093074	0.0444	0.137842	0.00284	0.018923	0.68337	0.126579	0.00616
5.94E-34	-0.20662	6.74E-06	-0.28097	6.39E-10	-0.35215	4.43E-15	-0.41328	1.09E-20
2.67E-27	0.117514	0.01104	0.110325	0.01708	0.011012	0.8124	0.127154	0.00593
5.16E-56	0.524179	2.56E-34	0.101759	0.02789	0.07115	0.12469	0.262253	8.76E-09
3.36E-19	-0.09203	0.04684	-0.06449	0.16409	-0.10425	0.02426	-0.17619	0.00013
8.98E-38	-0.1286	0.00538	-0.03286	0.4787	-0.06133	0.18583	-0.20134	1.16E-05
#####	0.182478	7.30E-05	0.063666	0.16958	-0.01275	0.78345	0.133058	0.00397
4.52E-14	0.066643	0.15046	0.10546	0.02265	0.050077	0.28016	0.09351	0.04341
6.50E-17	0.084766	0.06722	-0.00013	0.99769	0.041304	0.37316	0.080836	0.08098
2.34E-25	0.085445	0.06505	0.023202	0.61699	0.008518	0.85434	0.05944	0.19977
2.88E-60	0.142291	0.00205	0.028657	0.53674	-0.01075	0.81676	0.097808	0.0346
1.77E-44	0.120008	0.00944	0.119281	0.00988	0.258006	1.54E-08	0.265476	5.66E-09
1.00E-43	0.121077	0.00882	0.015196	0.74327	-0.00396	0.93193	0.044358	0.33883
2.48E-20	0.043219	0.35139	-0.05171	0.26479	-0.09895	0.03252	-0.03702	0.42473
1.13E-75	0.218374	1.90E-06	0.097961	0.03431	0.07739	0.09483	0.254705	2.38E-08
2.63E-10	0.046901	0.31184	0.043744	0.34556	-0.05292	0.25374	0.020552	0.65778
2.57E-25	0.033632	0.46842	-0.01808	0.69674	0.017992	0.69817	0.004639	0.92036
5.15E-56	0.199798	1.36E-05	0.013453	0.77184	0.010646	0.81851	0.10674	0.02105
6.11E-86	0.191956	2.97E-05	0.00614	0.89472	-0.0185	0.69004	0.064835	0.16187
3.38E-38	0.181586	7.93E-05	0.068788	0.13773	0.052802	0.25479	0.131559	0.0044
3.26E-53	0.179894	9.27E-05	0.086333	0.0623	0.021267	0.64666	0.11096	0.01645
7.04E-09	0.125935	0.00643	0.135312	0.00339	0.196707	1.86E-05	0.28659	2.80E-10

6.93E-64	0.141868	0.00212	0.080894	0.08076	0.030388	0.51242	0.124212	0.0072
3.29E-25	0.077372	0.09491	-0.03951	0.39429	-0.01111	0.81068	0.000849	0.98541
5.84E-20	0.101024	0.02904	-0.06322	0.17258	-0.04855	0.29507	0.010732	0.81707
6.13E-26	-0.01408	0.76155	0.040934	0.37745	-0.03937	0.39591	-0.0261	0.57368
2.21E-35	0.096598	0.03691	0.140583	0.00233	0.121932	0.00835	0.137472	0.00291
#####	0.078359	0.09076	0.068204	0.14111	0.009357	0.84017	0.086474	0.06187
1.53E-51	0.206663	6.71E-06	0.101229	0.02872	0.072789	0.11622	0.230311	4.87E-07
1.56E-59	0.092341	0.04611	0.027617	0.55162	-0.06707	0.14786	-0.00676	0.88417
5.31E-24	-0.14047	0.00235	-0.21936	1.70E-06	-0.222	1.27E-06	-0.24475	8.48E-08
#####	0.173839	0.00016	0.081635	0.07801	0.053926	0.2448	0.184087	6.29E-05
2.97E-43	0.311237	6.01E-12	0.096463	0.03717	0.068729	0.13807	0.263043	7.87E-09
2.72E-60	0.150829	0.00108	0.02023	0.6628	-0.03212	0.4886	0.072054	0.11996
9.36E-22	0.103528	0.02527	0.059966	0.19582	-0.03381	0.46609	0.053632	0.24738
3.74E-84	0.14248	0.00203	0.072641	0.11696	0.024838	0.59238	0.14319	0.00192
3.71E-55	0.03557	0.44316	0.043052	0.35325	0.039479	0.39466	0.074197	0.1093
5.85E-98	0.12177	0.00843	0.041214	0.3742	-0.00524	0.91005	0.084838	0.06699
6.89E-64	0.100477	0.02993	0.020527	0.65817	-0.02863	0.53716	0.038603	0.40524
1.27E-34	-0.09163	0.0478	-0.04879	0.29275	0.020008	0.66627	-0.10893	0.01854
3.59E-37	0.058805	0.20463	0.076875	0.09706	0.0223	0.63074	0.092066	0.04676
1.51E-68	0.138521	0.0027	-0.03045	0.51152	-0.02738	0.55512	0.073388	0.11324
7.33E-37	0.033139	0.47497	0.076704	0.09781	-0.01566	0.7358	0.073247	0.11393
1.33E-90	0.102729	0.02642	0.04379	0.34505	0.0189	0.68373	0.089075	0.0544
5.60E-23	0.066044	0.15417	0.031623	0.49542	-0.06348	0.17085	0.054406	0.24062
1.72E-13	0.192379	2.85E-05	-0.03744	0.41957	0.036611	0.42993	0.17025	0.00022
#####	0.162852	0.00041	0.093853	0.04264	0.047161	0.30915	0.136652	0.00309
4.49E-24	0.038004	0.41258	0.131573	0.0044	0.132703	0.00407	0.087638	0.05843
#####	0.076497	0.09872	0.053338	0.24999	-0.04237	0.36089	0.062614	0.17676
#####	0.135608	0.00332	0.086202	0.0627	-0.00589	0.89899	0.119523	0.00973
5.35E-15	0.075258	0.10431	-0.02823	0.54278	-0.04636	0.31741	-0.01471	0.7512
6.17E-16	0.173644	0.00016	-0.01693	0.71523	-0.01785	0.70048	-0.00617	0.89417
#####	0.143507	0.00188	0.097404	0.03535	0.004448	0.92363	0.101028	0.02904
5.62E-37	0.135378	0.00338	-0.00442	0.92405	0.011738	0.80028	0.081168	0.07973
4.99E-82	0.119596	0.00969	0.028175	0.54362	0.011589	0.80276	0.078204	0.0914
1.21E-94	0.105228	0.02295	0.034077	0.46256	-0.01082	0.81552	0.07771	0.09347
1.57E-98	0.151331	0.00104	0.007481	0.8719	-0.02565	0.58027	0.060992	0.18826
#####	0.13016	0.00484	0.086943	0.06047	0.001258	0.97836	0.103075	0.02592
5.06E-84	0.083423	0.07169	0.037223	0.42225	-0.01474	0.75079	0.067274	0.14663
1.54E-90	0.193186	2.63E-05	0.038072	0.41174	0.010702	0.81757	0.085545	0.06474
#####	0.12973	0.00499	0.060193	0.19413	0.009392	0.83958	0.086518	0.06174
3.33E-17	0.037474	0.41913	0.109057	0.0184	0.046722	0.31369	0.101089	0.02894
7.47E-34	0.10507	0.02316	0.005309	0.90891	0.005024	0.91378	0.054881	0.23653
7.69E-52	0.129421	0.00509	0.112858	0.01468	0.057424	0.21548	0.14454	0.00174
4.91E-51	0.123473	0.00755	0.1033	0.02559	0.016748	0.71812	0.122755	0.00791
2.18E-51	0.087499	0.05883	-0.0134	0.77273	-0.04194	0.36585	0.02615	0.57297
5.67E-98	0.10009	0.03057	0.101792	0.02784	0.017371	0.7081	0.125174	0.00676

#####	0.105621	0.02245	0.0979	0.03443	0.010649	0.81847	0.10979	0.01762
8.65E-19	0.119287	0.00988	-0.0393	0.39687	0.003752	0.93556	0.137355	0.00294
4.51E-22	0.022831	0.62263	-0.00987	0.8316	-0.01842	0.69134	0.04109	0.37564
4.92E-28	0.044614	0.33604	-0.02962	0.52319	-0.01915	0.67973	0.033502	0.47015
1.26E-24	0.08231	0.07557	-0.01367	0.76828	-0.04372	0.34586	0.023642	0.61033
3.30E-21	0.06904	0.13629	0.053154	0.25163	-0.00825	0.85892	0.055785	0.22889
3.69E-16	0.070119	0.13026	-0.03177	0.49344	0.015431	0.73945	0.06051	0.19178
#####	0.120606	0.00908	0.074271	0.10895	0.004763	0.91824	0.105193	0.023
1.50E-54	0.121157	0.00877	0.074677	0.10702	0.044536	0.3369	0.107502	0.02014
6.78E-86	0.15183	0.001	0.000967	0.98337	-0.02404	0.6043	0.079258	0.0871
5.52E-87	0.091763	0.04749	0.075536	0.10304	0.023907	0.60633	0.115269	0.01268
2.84E-89	0.07808	0.09191	0.09494	0.04029	0.012596	0.78601	0.114835	0.01302
1.24E-48	0.142883	0.00197	0.020114	0.66461	0.002782	0.95219	0.076923	0.09685
#####	0.173766	0.00016	0.046284	0.31825	0.006264	0.8926	0.098002	0.03424
#####	0.109196	0.01825	0.077104	0.09606	0.02407	0.60387	0.119892	0.00951
3.35E-79	0.10774	0.01987	0.058416	0.20764	-0.01512	0.74456	0.079003	0.08813
#####	0.140639	0.00232	0.051225	0.26927	-0.00271	0.9534	0.086151	0.06286
2.50E-92	0.128504	0.00542	0.046276	0.31833	-0.00497	0.91463	0.084754	0.06726
3.88E-42	0.092477	0.04578	-0.00204	0.96489	-0.02726	0.55686	0.037202	0.42251
#####	0.152812	0.00092	0.067969	0.14249	0.017679	0.70316	0.104046	0.02454
9.78E-67	0.06597	0.15464	0.023381	0.61428	-0.02733	0.55573	0.040428	0.38339
#####	0.131816	0.00433	0.097174	0.03579	0.048055	0.30006	0.135027	0.00346
2.34E-14	0.054259	0.2419	0.063513	0.17061	0.021496	0.64311	0.06289	0.17486
4.70E-79	0.150015	0.00115	0.079369	0.08666	0.083784	0.07046	0.169778	0.00023
1.46E-22	0.085783	0.06399	0.071063	0.12515	-0.02388	0.6068	0.057658	0.21361
4.21E-85	0.13405	0.00371	0.031438	0.49795	0.023167	0.61753	0.101462	0.02835
4.51E-91	0.113759	0.0139	0.112966	0.01459	0.02194	0.63627	0.108581	0.01892
1.87E-29	0.075972	0.10106	0.035933	0.43852	-0.01622	0.72659	0.02134	0.64554
2.95E-44	0.107128	0.02058	0.005122	0.9121	-0.01611	0.72842	0.047738	0.30327
#####	0.172662	0.00018	0.073885	0.11081	-0.00554	0.90493	0.115624	0.01241
3.79E-60	0.1007	0.02957	-0.01596	0.73081	-0.0362	0.43507	0.037767	0.4155
5.64E-19	0.07361	0.11215	-0.01955	0.67345	-0.00966	0.83503	0.02545	0.58329
5.44E-40	0.15985	0.00053	0.057278	0.21665	0.034506	0.45693	0.117465	0.01107
4.13E-33	0.147481	0.00139	0.117668	0.01093	0.037364	0.42049	0.117633	0.01096
3.24E-22	0.023476	0.61283	-0.13839	0.00273	-0.23646	2.34E-07	-0.15561	0.00074
1.19E-94	0.110376	0.01703	0.16215	0.00043	0.035185	0.44812	0.140994	0.00226
#####	0.133451	0.00386	0.082942	0.07335	0.046669	0.31424	0.168952	0.00024
#####	0.111954	0.0155	0.098304	0.03368	0.003712	0.93623	0.105688	0.02236
4.21E-86	0.129191	0.00517	0.0644	0.16471	-0.00019	0.99667	0.116503	0.01175
#####	0.15089	0.00107	0.087155	0.05984	0.004607	0.92091	0.104906	0.02338
#####	0.13463	0.00356	0.094409	0.04142	0.012118	0.79395	0.121393	0.00864
#####	0.112914	0.01463	0.039487	0.39456	-0.00944	0.83882	0.076254	0.09979
6.20E-27	0.145757	0.00159	0.179612	9.51E-05	-0.00619	0.89386	0.149613	0.00118
1.83E-24	0.163012	0.0004	0.143028	0.00194	0.185536	5.49E-05	0.301846	2.71E-11
1.50E-15	0.077356	0.09498	-0.0182	0.69485	-0.04529	0.32879	0.013728	0.76731

1.67E-14	0.13537	0.00338	0.072966	0.11533	-0.01408	0.76151	0.10754	0.0201
#####	0.153335	0.00089	0.068453	0.13966	0.0105	0.82097	0.112542	0.01496
1.36E-68	0.242934	1.06E-07	0.288402	2.14E-10	0.316394	2.57E-12	0.436801	3.53E-23
#####	0.162182	0.00043	0.077627	0.09382	0.037329	0.42094	0.13721	0.00297
6.39E-34	0.135839	0.00327	0.349588	7.18E-15	0.304823	1.69E-11	0.424205	8.02E-22
#####	0.138604	0.00268	0.093142	0.04424	-0.00236	0.9595	0.101015	0.02906
3.43E-55	0.123447	0.00757	-0.03779	0.41525	0.011111	0.81074	0.110288	0.01711
#####	0.193712	2.50E-05	0.081921	0.07697	0.133226	0.00392	0.25906	1.34E-08
9.06E-17	-0.03208	0.48918	-0.10582	0.02219	0.052036	0.26175	0.016354	0.72447
5.04E-13	-0.05641	0.22374	-0.04605	0.32068	-0.15282	0.00092	-0.20887	5.32E-06
1.04E-50	0.099021	0.0324	0.049604	0.28474	0.043896	0.34388	0.128995	0.00524
1.10E-24	0.126479	0.0062	0.010677	0.818	0.075596	0.10277	0.129161	0.00518
#####	0.176324	0.00013	0.051961	0.26245	0.020795	0.65398	0.142612	0.00201
1.84E-26	0.007373	0.87375	0.018654	0.68763	-0.05513	0.23439	-0.01842	0.69137
#####	0.156174	0.00071	0.097946	0.03434	0.025276	0.58586	0.141309	0.00221
1.12E-41	0.064608	0.16335	-0.10211	0.02735	-0.12387	0.00736	-0.02377	0.60845
#####	0.071778	0.12139	0.107087	0.02063	-0.02533	0.58513	0.081042	0.0802
#####	0.07487	0.10612	0.084975	0.06655	-0.04096	0.37721	0.031184	0.50142
9.39E-26	0.10935	0.01809	0.025659	0.5802	0.017717	0.70255	0.068532	0.1392
7.85E-31	0.120766	0.00899	0.061565	0.18414	0.077313	0.09516	0.14462	0.00173
#####	0.14091	0.00227	0.039022	0.40016	0.000873	0.98498	0.093524	0.04337
2.13E-15	0.119815	0.00955	0.085315	0.06546	-0.04204	0.36465	0.058772	0.20488
#####	0.130783	0.00464	0.090569	0.05047	0.024442	0.59829	0.132838	0.00403
8.52E-74	0.115939	0.01217	0.073676	0.11182	-0.01369	0.76788	0.091033	0.04929
1.89E-15	0.053945	0.24464	0.075115	0.10498	0.001665	0.97137	0.058939	0.2036
6.11E-16	0.028502	0.53895	-0.08764	0.05843	-0.09728	0.03559	-0.04527	0.329
3.38E-27	0.065994	0.15448	0.078254	0.09119	0.014597	0.75305	0.059477	0.19949
1.71E-76	0.133699	0.0038	0.055779	0.22894	-0.03788	0.4141	0.059	0.20313
2.72E-17	-0.02364	0.61031	-0.13114	0.00453	-0.19809	1.62E-05	-0.23576	2.55E-07
3.02E-93	0.100711	0.02955	-0.00134	0.97688	0.018642	0.68783	0.125453	0.00664
#####	0.097843	0.03453	0.020553	0.65776	-0.04223	0.36253	0.059218	0.20146
#####	0.174994	0.00014	0.095801	0.0385	0.08074	0.08134	0.209631	4.90E-06
1.44E-37	0.057795	0.21252	0.147496	0.00139	0.237977	1.95E-07	0.240926	1.36E-07
3.59E-30	0.215146	2.71E-06	0.252021	3.37E-08	0.320626	1.26E-12	0.408415	3.36E-20
#####	0.113855	0.01382	0.062544	0.17725	0.042916	0.35477	0.140157	0.0024
9.68E-35	-0.03777	0.41543	-0.06818	0.14126	-0.12704	0.00597	-0.08919	0.0541
#####	0.171221	0.0002	0.082015	0.07663	0.000603	0.98964	0.13318	0.00394
1.08E-44	0.151623	0.00101	0.021288	0.64633	-0.00547	0.90618	0.12757	0.00577
6.42E-26	0.103547	0.02524	-0.03025	0.51434	-0.06441	0.16467	0.043332	0.35013
#####	0.128131	0.00555	0.08696	0.06041	-0.01152	0.80395	0.107606	0.02002
5.00E-57	0.168226	0.00026	0.086139	0.06289	0.003261	0.94397	0.091462	0.04823
1.24E-63	0.150052	0.00114	0.057719	0.21313	-0.0058	0.90051	0.075913	0.10133
2.13E-42	0.103674	0.02506	-0.06358	0.17015	-0.06805	0.14203	-0.00754	0.87082
2.61E-91	0.14853	0.00129	0.022964	0.62061	-0.00208	0.9643	0.10116	0.02883
1.67E-66	0.185021	5.76E-05	0.040733	0.3798	0.000404	0.99305	0.091847	0.04729



3.85E-71	0.124666	0.00699	0.080488	0.0823	0.006015	0.89686	0.093639	0.04312
7.79E-31	-0.01202	0.79555	0.046924	0.3116	-0.02369	0.60958	0.026562	0.56693
4.60E-13	0.087462	0.05894	0.066655	0.15039	0.26949	3.26E-09	0.275569	1.39E-09
#####	0.122632	0.00798	0.109839	0.01757	0.036749	0.42819	0.154356	0.00082
3.06E-26	0.070748	0.12683	0.100425	0.03002	0.006876	0.8822	0.068594	0.13884
3.88E-36	-0.13946	0.00252	-0.07924	0.08717	-0.07774	0.09335	-0.21241	3.64E-06
8.61E-44	0.080551	0.08206	0.09691	0.0363	0.045488	0.32666	0.05578	0.22893
2.42E-43	0.206148	7.08E-06	0.134047	0.00371	0.088595	0.05572	0.276648	1.19E-09
#####	0.112578	0.01493	0.074414	0.10827	-0.01052	0.82056	0.107036	0.02069
1.41E-58	0.144125	0.00179	0.090008	0.05192	0.031156	0.50181	0.110664	0.01674
9.93E-32	0.284989	3.55E-10	0.200742	1.24E-05	0.227485	6.76E-07	0.423464	9.60E-22
1.76E-49	-0.01133	0.80706	0.165938	0.00032	-0.02589	0.57674	-0.00271	0.95334
2.09E-66	0.051907	0.26294	0.00636	0.89097	-0.11961	0.00968	0.016366	0.72428
2.04E-81	0.085175	0.06591	0.158836	0.00057	0.088686	0.05547	0.204874	8.08E-06
1.27E-54	0.091579	0.04794	0.095267	0.0396	-0.00466	0.91993	0.088984	0.05465
#####	0.134182	0.00367	0.021797	0.63848	-0.006	0.8971	0.094337	0.04158
2.75E-28	0.093948	0.04243	0.018749	0.68612	-0.02574	0.57896	0.065922	0.15494
1.28E-17	0.071859	0.12097	-0.02476	0.59358	-0.07402	0.11013	0.006503	0.88854
2.82E-50	0.076945	0.09675	0.135166	0.00343	0.208647	5.44E-06	0.135176	0.00342
8.62E-30	0.030969	0.50439	0.043508	0.34817	-0.01927	0.67795	0.008043	0.86238
7.65E-35	0.06109	0.18755	0.065462	0.15784	0.017811	0.70105	0.090781	0.04993
2.82E-20	0.073385	0.11325	0.042676	0.35748	0.021934	0.63637	0.066709	0.15005
4.10E-57	0.236919	2.22E-07	0.163153	0.0004	0.21249	3.61E-06	0.410585	2.03E-20
1.16E-40	0.129045	0.00522	0.123704	0.00744	0.060056	0.19514	0.16656	0.0003
3.96E-34	0.120136	0.00936	0.05624	0.22511	0.156477	0.00069	0.245035	8.18E-08
7.18E-20	-0.00396	0.93197	0.050035	0.28057	0.068925	0.13695	0.024242	0.60129
#####	0.113549	0.01408	0.079343	0.08676	-0.014	0.76284	0.093344	0.04378
4.79E-71	0.115701	0.01235	0.063705	0.16932	0.066699	0.15012	0.141943	0.00211
1.65E-46	0.079909	0.08453	0.063086	0.17351	0.052171	0.26051	0.043831	0.3446
1.06E-21	-0.03485	0.4524	-0.08811	0.05708	-0.0524	0.2584	-0.07365	0.11195
3.28E-75	0.117836	0.01082	0.009671	0.83489	-0.02371	0.60924	0.069733	0.13239
1.21E-30	0.007414	0.87305	0.076774	0.0975	0.141144	0.00223	0.085027	0.06638
6.33E-75	0.119452	0.00977	0.096967	0.03619	0.068293	0.14059	0.221295	1.37E-06
1.60E-67	0.11792	0.01076	0.027314	0.556	0.048589	0.29472	0.175112	0.00014
1.25E-27	0.102818	0.02629	0.028964	0.53239	0.049338	0.28733	0.118225	0.01056
1.10E-25	0.079673	0.08546	0.036816	0.42735	0.028106	0.5446	0.034262	0.46012
#####	0.131362	0.00446	0.174925	0.00015	0.156704	0.00068	0.257827	1.58E-08
1.44E-32	0.146624	0.00149	0.242535	1.12E-07	0.33339	1.38E-13	0.416589	4.98E-21
#####	0.149989	0.00115	0.033752	0.46683	-0.02628	0.5711	0.091674	0.04771
1.21E-61	0.117105	0.01132	0.058322	0.20838	0.013567	0.76998	0.148642	0.00128
9.84E-10	0.023047	0.61935	0.106905	0.02085	0.072873	0.1158	0.137945	0.00281
1.71E-70	0.171709	0.00019	0.091939	0.04707	0.166563	0.0003	0.299854	3.71E-11
1.32E-85	0.110024	0.01738	0.15975	0.00053	0.084648	0.0676	0.180663	8.63E-05
7.68E-74	0.052108	0.26109	0.02557	0.58151	-0.05145	0.2672	0.018618	0.6882
1.05E-38	0.062918	0.17466	0.179721	9.41E-05	-0.02596	0.57576	0.058726	0.20524

2.96E-85	0.132117	0.00424	0.059747	0.19746	0.029434	0.52574	0.129789	0.00497
3.23E-16	0.00072	0.98762	0.005759	0.90121	-0.02193	0.63638	0.009911	0.83085
1.83E-45	0.088035	0.0573	0.145715	0.00159	0.074905	0.10595	0.212996	3.42E-06
#####	0.121589	0.00853	0.070831	0.12639	-0.02028	0.66201	0.081625	0.07804
3.34E-76	0.094062	0.04218	0.124546	0.00704	0.009278	0.84151	0.099031	0.03239
4.53E-48	0.007846	0.86571	0.067827	0.14333	-0.12319	0.00769	-0.06333	0.17186
7.59E-09	-0.00177	0.96956	-0.01351	0.77091	-0.03907	0.39963	-0.00709	0.87853
1.05E-57	0.213502	3.24E-06	0.110687	0.01672	0.122245	0.00818	0.252418	3.20E-08
9.05E-40	0.142378	0.00204	0.135206	0.00342	-0.00254	0.95639	0.123411	0.00759
8.93E-69	0.218622	1.85E-06	0.020601	0.657	-0.01956	0.67339	0.153699	0.00086
3.19E-31	0.052921	0.25372	0.085062	0.06627	0.004414	0.92421	0.079239	0.08718
3.53E-18	0.037093	0.42388	0.037773	0.41542	0.003845	0.93396	0.044104	0.34161
#####	0.132695	0.00407	0.065602	0.15695	0.017614	0.7042	0.123087	0.00775
#####	0.118819	0.01017	0.075935	0.10122	0.034146	0.46164	0.141762	0.00213
#####	0.136697	0.00308	0.242722	1.09E-07	0.261223	1.01E-08	0.355309	2.42E-15
#####	0.091838	0.04731	0.134101	0.00369	0.062066	0.18059	0.14781	0.00136
5.26E-32	0.073494	0.11272	-0.05837	0.20803	-0.08778	0.05803	0.004091	0.92975
5.09E-43	0.115493	0.01251	-0.07961	0.08571	-0.11388	0.01381	0.05147	0.26698
3.51E-24	0.238243	1.89E-07	0.088669	0.05552	0.184686	5.94E-05	0.331673	1.87E-13
1.45E-61	0.043712	0.34592	-0.05918	0.20174	-0.14773	0.00137	-0.05027	0.27833
3.94E-33	0.195546	2.08E-05	0.016422	0.72337	-0.02127	0.64665	0.095951	0.0382
9.30E-96	0.105395	0.02274	0.044139	0.34122	-0.04029	0.38496	0.096076	0.03794
3.26E-67	0.069854	0.13172	-0.00878	0.84984	-0.04799	0.30069	0.034646	0.45511
#####	0.136592	0.0031	0.10361	0.02515	0.046104	0.32014	0.151297	0.00104
#####	0.086003	0.06331	-4.32E-05	0.99926	-0.03736	0.42052	0.044025	0.34247
1.39E-78	0.095407	0.03931	0.016633	0.71996	-0.04924	0.28831	0.032046	0.48967
2.89E-21	0.12801	0.0056	0.25898	1.36E-08	0.225955	8.07E-07	0.355666	2.26E-15
1.30E-73	0.120167	0.00934	-0.01239	0.78944	-0.08661	0.06146	-0.00023	0.99609
1.15E-30	0.089195	0.05408	0.000482	0.99172	-0.04352	0.34808	0.045254	0.32915
2.29E-17	0.034384	0.45852	0.005148	0.91166	-0.05393	0.24479	-0.05406	0.24365
3.22E-44	0.113212	0.01437	-0.001	0.98273	0.041906	0.36623	0.049405	0.28668
2.16E-29	0.114089	0.01363	-0.10447	0.02396	-0.0209	0.65237	0.073878	0.11084
7.04E-30	-0.0767	0.09783	-0.09195	0.04705	-0.15235	0.00096	-0.18329	6.77E-05
1.55E-34	0.147822	0.00136	-0.00084	0.98558	-0.01934	0.67671	0.137008	0.00301
1.14E-40	0.115184	0.01275	0.172046	0.00019	0.19484	2.24E-05	0.307692	1.07E-11
7.15E-21	-0.00684	0.88275	-0.06364	0.16975	-0.23378	3.23E-07	-0.18051	8.76E-05
3.40E-22	0.133638	0.00381	0.053976	0.24436	0.048198	0.29862	0.174988	0.00014
1.96E-30	0.128849	0.00529	0.064436	0.16447	0.07138	0.12347	0.143256	0.00191
6.29E-31	0.112661	0.01486	0.094017	0.04228	0.059815	0.19695	0.120697	0.00903
5.24E-27	-0.20009	1.32E-05	-0.06523	0.15932	-0.17811	0.00011	-0.32988	2.57E-13
1.20E-55	0.062871	0.17498	0.054836	0.23692	-0.02265	0.62535	0.060122	0.19466
1.34E-19	0.040045	0.38791	0.035315	0.44644	0.075744	0.10209	0.075868	0.10153
3.40E-32	0.118491	0.01038	-0.10795	0.01962	-0.079	0.08814	-0.00689	0.88192
9.40E-53	0.140899	0.00227	0.074095	0.10979	-0.00038	0.99347	0.097434	0.0353
#####	0.17211	0.00019	-0.00011	0.9981	0.011437	0.80529	0.129084	0.00521

1.05E-21	0.085639	0.06444	0.007602	0.86986	0.037991	0.41273	0.023165	0.61755
6.13E-47	0.114409	0.01336	-0.00739	0.87352	-0.01575	0.73427	0.103669	0.02507
1.53E-87	0.173335	0.00017	0.087218	0.05966	0.026874	0.56238	0.135404	0.00337
3.43E-13	0.110727	0.01668	0.060746	0.19005	-0.02771	0.55033	0.027284	0.55644
7.96E-14	-0.00744	0.87255	0.188552	4.12E-05	0.135814	0.00327	0.13385	0.00376
2.57E-30	0.107318	0.02036	-0.04345	0.34887	-0.05401	0.24405	0.079303	0.08692
8.40E-95	0.110287	0.01712	-0.01622	0.72666	-0.07345	0.11293	0.049786	0.28297
5.39E-48	0.028732	0.53568	-0.00331	0.94312	-0.05234	0.25901	-0.02795	0.54688
3.28E-17	0.030797	0.50675	-0.00262	0.95498	-0.05784	0.21218	-0.01983	0.669
3.85E-32	0.092145	0.04657	0.028409	0.54028	-0.02225	0.63146	0.004451	0.92358
3.40E-11	0.105686	0.02236	-0.03037	0.51271	-0.03992	0.38938	-0.00548	0.90591
9.47E-30	-0.19304	2.67E-05	-0.11893	0.0101	-0.16991	0.00023	-0.33655	7.87E-14
8.95E-63	0.194091	2.41E-05	0.244373	8.89E-08	0.245651	7.58E-08	0.406406	5.33E-20
2.43E-15	0.100595	0.02974	0.139692	0.00248	0.163009	0.0004	0.250375	4.16E-08
1.15E-29	0.078338	0.09085	-0.13803	0.0028	-0.05949	0.19942	-0.03044	0.51166
8.70E-17	0.058879	0.20405	-0.03897	0.40074	-0.0272	0.55768	0.057483	0.21501
8.61E-20	0.058884	0.20402	0.090723	0.05007	-0.08486	0.0669	-0.02362	0.61072
2.31E-26	0.085631	0.06447	0.196021	1.99E-05	0.352069	4.49E-15	0.352309	4.29E-15
3.73E-18	0.079507	0.08611	0.05848	0.20714	0.097439	0.03529	0.132684	0.00407
6.36E-23	0.102717	0.02644	0.14369	0.00185	0.112468	0.01503	0.117308	0.01118
#####	0.098459	0.0334	0.033935	0.46441	-0.01957	0.67308	0.085307	0.06549
3.84E-22	0.085387	0.06523	0.015807	0.73333	-0.04917	0.28899	0.034383	0.45854
1.82E-17	0.024114	0.60322	0.044283	0.33964	-0.01621	0.72672	0.019955	0.6671
6.47E-33	0.015686	0.73529	-0.04694	0.31139	-0.07647	0.09882	-0.03147	0.49745
#####	0.18622	5.15E-05	0.118213	0.01057	0.082139	0.07618	0.248876	5.04E-08
8.54E-23	0.057277	0.21666	0.030297	0.51368	-0.05594	0.22762	-0.01122	0.80895
1.69E-33	0.105315	0.02284	0.278266	9.44E-10	0.271497	2.46E-09	0.390787	1.73E-18
#####	0.136949	0.00302	0.059536	0.19905	-0.02323	0.61663	0.089107	0.05432
6.99E-23	0.009664	0.83501	0.125483	0.00662	0.277429	1.07E-09	0.238758	1.77E-07
1.18E-48	0.058588	0.20631	0.003283	0.9436	-0.07377	0.11137	0.027736	0.54991
4.23E-21	0.029985	0.51803	-0.03182	0.49274	0.00608	0.89575	0.007551	0.87073
1.74E-75	0.236853	2.24E-07	0.223799	1.03E-06	0.18783	4.42E-05	0.361732	6.97E-16
4.45E-72	0.145331	0.00164	0.046677	0.31415	0.000368	0.99367	0.076044	0.10074
4.97E-52	-0.01108	0.81118	0.020474	0.659	-0.154	0.00084	-0.12626	0.00629
2.18E-22	0.002249	0.96134	-0.07583	0.1017	-0.08624	0.06258	-0.07117	0.1246
6.31E-94	0.068079	0.14184	-0.01452	0.75439	-0.04948	0.28597	0.026898	0.56203
#####	0.123406	0.00759	0.053958	0.24452	-0.01582	0.73319	0.084256	0.06889
#####	0.092368	0.04604	0.070143	0.13013	0.001744	0.97002	0.09236	0.04606
1.47E-19	-0.00833	0.85759	0.095948	0.0382	0.029256	0.52826	0.039369	0.39598
#####	0.095375	0.03938	0.071818	0.12118	0.001003	0.98275	0.079806	0.08493
2.06E-16	-0.04959	0.2849	-0.076	0.10092	-0.11595	0.01216	-0.12148	0.00859
1.07E-20	0.106441	0.02141	0.130574	0.00471	0.075253	0.10434	0.164362	0.00036
#####	0.158024	0.00061	0.151433	0.00103	0.109549	0.01788	0.233637	3.29E-07
3.47E-25	0.053204	0.25118	0.103873	0.02478	0.063663	0.1696	0.010451	0.82179
#####	0.168108	0.00026	0.072034	0.12006	0.022535	0.62715	0.113072	0.01449

#####	0.149882	0.00116	0.036447	0.432	-0.00966	0.83499	0.090836	0.04979
2.43E-69	0.069119	0.13584	0.079572	0.08585	-0.02454	0.59688	0.070634	0.12745
5.80E-16	0.014758	0.75042	-0.13527	0.0034	-0.11231	0.01517	-0.10302	0.026
#####	0.116418	0.01181	0.046168	0.31947	-0.01445	0.75545	0.114995	0.0129
5.13E-32	-0.04455	0.33672	-0.06076	0.18998	-0.02142	0.64424	-0.06671	0.15003
#####	0.136114	0.00321	0.065251	0.15919	0.008692	0.8514	0.098543	0.03325
#####	0.092314	0.04617	0.070592	0.12768	-0.03059	0.50958	0.056007	0.22703
8.34E-22	0.097333	0.03549	-0.00942	0.83904	-0.00049	0.99166	0.115695	0.01235
7.05E-23	0.122865	0.00786	0.026477	0.56818	-0.04434	0.33897	0.100091	0.03057
#####	0.168839	0.00025	0.016048	0.72942	0.022855	0.62226	0.142833	0.00197
1.41E-15	0.106255	0.02164	0.140754	0.0023	0.072655	0.11689	0.157379	0.00064
1.44E-17	0.088346	0.05642	0.080321	0.08293	0.008095	0.86149	0.093477	0.04348
5.39E-34	0.068484	0.13948	0.250235	4.24E-08	0.085545	0.06474	0.222201	1.24E-06
1.21E-24	0.125044	0.00682	-0.0586	0.20618	-0.05013	0.27963	-0.00066	0.98867
6.94E-36	0.094479	0.04127	-0.03526	0.44721	-0.03542	0.44506	0.026168	0.5727
1.44E-15	0.02321	0.61686	0.060464	0.19212	0.05797	0.21114	0.05393	0.24476
1.89E-33	0.133485	0.00385	0.052231	0.25997	0.073997	0.11027	0.112403	0.01509
4.71E-14	0.051885	0.26315	0.05432	0.24136	-0.00217	0.96276	0.03854	0.40602
2.34E-74	0.091328	0.04856	0.046099	0.32019	0.024198	0.60196	0.115262	0.01269
#####	0.12191	0.00836	0.068556	0.13906	-0.00643	0.88976	0.101911	0.02765
1.28E-78	0.181485	8.01E-05	0.100357	0.03013	0.138655	0.00267	0.290843	1.48E-10
#####	0.179419	9.68E-05	0.097364	0.03543	0.011113	0.8107	0.18853	4.13E-05
#####	0.168469	0.00026	0.094144	0.042	0.074998	0.10552	0.247605	5.92E-08
#####	0.129105	0.0052	0.101925	0.02763	0.010724	0.81721	0.137464	0.00291
#####	0.120082	0.00939	0.0833	0.07211	-0.00443	0.92397	0.111387	0.01603
#####	0.15632	0.0007	0.106109	0.02183	0.02226	0.63136	0.187249	4.67E-05
#####	0.191074	3.23E-05	0.056392	0.22385	0.08619	0.06274	0.259252	1.31E-08
#####	0.152657	0.00093	0.047868	0.30195	0.011238	0.80862	0.079909	0.08453
1.44E-88	0.062464	0.1778	0.091809	0.04738	-0.00907	0.84509	0.09802	0.03421
#####	0.162485	0.00042	0.043822	0.3447	0.033057	0.47606	0.112506	0.015
#####	0.096954	0.03621	0.144321	0.00177	0.019308	0.67729	0.145421	0.00163
#####	0.116678	0.01163	0.08254	0.07476	0.005316	0.90878	0.118932	0.0101
#####	0.118125	0.01062	0.078129	0.09171	0.005848	0.8997	0.1216	0.00853
2.42E-56	0.120544	0.00912	0.064984	0.16091	0.035977	0.43797	0.075833	0.10169
1.21E-54	0.074355	0.10855	0.05932	0.20069	-0.04197	0.36548	0.052712	0.2556
1.25E-85	0.167237	0.00028	0.113309	0.01429	0.073652	0.11194	0.175018	0.00014
3.03E-72	0.099991	0.03074	0.053479	0.24874	-0.01896	0.68281	0.075781	0.10192
6.90E-13	0.003209	0.94486	-0.0231	0.6185	0.007115	0.87812	0.023035	0.61953
1.82E-53	0.086006	0.0633	0.074571	0.10752	0.004045	0.93053	0.06761	0.14461
9.27E-36	0.144754	0.00171	0.09437	0.04151	0.16354	0.00039	0.280794	6.56E-10
4.82E-76	0.170383	0.00022	0.020299	0.66172	0.047994	0.30068	0.154222	0.00083
1.77E-83	0.167562	0.00028	-0.03179	0.4931	-0.01162	0.80226	0.115271	0.01268
6.95E-17	0.043365	0.34976	-0.01435	0.75713	-0.06953	0.13355	-0.00853	0.8541
5.79E-32	0.165462	0.00033	0.196632	1.87E-05	0.207369	6.23E-06	0.2866	2.80E-10
1.72E-11	0.000912	0.98432	-0.09847	0.03338	-0.08483	0.06703	-0.04196	0.36564

1.31E-15	0.142226	0.00206	0.216348	2.37E-06	0.029725	0.52167	0.17085	0.00021
4.36E-28	-0.02268	0.62493	-0.15594	0.00072	-0.05239	0.25853	-0.06564	0.15672
#####	0.106845	0.02092	0.08496	0.06659	0.006528	0.88812	0.111855	0.01559
1.10E-21	-0.19079	3.32E-05	-0.15753	0.00063	-0.1877	4.47E-05	-0.26214	8.90E-09
5.26E-19	-0.15809	0.00061	0.054336	0.24122	-0.05986	0.19663	-0.25287	3.02E-08
#####	0.187123	4.72E-05	0.043066	0.3531	-0.00058	0.98995	0.106194	0.02172
8.07E-16	0.116409	0.01182	-0.00756	0.87054	-0.02549	0.58269	0.115917	0.01219
6.33E-55	0.066628	0.15055	-0.04011	0.38716	-0.04919	0.28875	0.041649	0.36917
4.42E-14	0.030424	0.51192	0.030968	0.5044	-0.04631	0.318	-0.03825	0.40953
#####	0.074048	0.11002	0.134038	0.00371	0.025026	0.58957	0.1068	0.02098
1.70E-46	0.042555	0.35885	0.172051	0.00019	0.053398	0.24946	0.078341	0.09083
5.66E-85	0.220045	1.58E-06	0.085731	0.06416	0.011304	0.80751	0.122395	0.0081
7.79E-75	0.145922	0.00157	-0.038	0.41267	-0.05197	0.26236	0.057085	0.2182
6.27E-20	0.078711	0.08931	0.121333	0.00867	-0.0296	0.5234	0.061874	0.18194
4.71E-39	0.128824	0.0053	0.059819	0.19692	-0.01228	0.79126	0.062629	0.17665
5.24E-13	0.042714	0.35705	0.071102	0.12494	0.069841	0.13179	0.017563	0.70501
5.91E-24	0.142485	0.00202	-0.00045	0.99234	0.07294	0.11546	0.202485	1.03E-05
6.40E-65	0.07002	0.1308	0.145833	0.00158	-0.03964	0.39276	0.105913	0.02207
6.79E-80	0.146791	0.00147	0.124028	0.00729	0.018026	0.69763	0.215597	2.58E-06
2.36E-70	0.149514	0.00119	0.05728	0.21664	0.02746	0.55389	0.064311	0.16529
#####	0.160416	0.0005	0.045025	0.33161	-0.01013	0.8272	0.088976	0.05468
4.60E-19	0.158837	0.00057	0.090335	0.05107	0.24019	1.49E-07	0.270847	2.70E-09
5.57E-23	0.44634	3.03E-24	0.048286	0.29774	0.188302	4.22E-05	0.406552	5.15E-20
3.59E-20	0.123965	0.00732	0.044676	0.33537	-0.03796	0.41317	0.091759	0.0475
2.93E-63	0.085962	0.06344	0.090824	0.04982	0.017462	0.70664	0.101948	0.0276
3.88E-30	0.098138	0.03399	0.190594	3.39E-05	0.005987	0.89733	0.074186	0.10936
2.35E-88	0.150268	0.00113	0.052796	0.25484	-0.01378	0.76654	0.110839	0.01657
6.62E-66	0.168568	0.00025	0.054035	0.24384	0.007523	0.8712	0.097885	0.03445
7.08E-21	-0.08134	0.07908	-0.13208	0.00425	-0.23168	4.14E-07	-0.20739	6.21E-06
1.62E-18	0.074499	0.10786	-0.0201	0.66483	-0.03555	0.44345	0.034369	0.45872
9.74E-41	0.072225	0.11908	0.021461	0.64367	0.010232	0.82545	0.031301	0.49982
#####	0.151003	0.00106	0.069924	0.13133	-0.01049	0.82115	0.112886	0.01466
4.62E-16	0.011078	0.81129	-0.04726	0.30817	-0.02106	0.64981	-0.01492	0.74783
4.90E-52	0.232964	3.56E-07	0.108427	0.01909	0.100343	0.03015	0.290465	1.57E-10
3.74E-65	0.201155	1.19E-05	0.197483	1.72E-05	0.14325	0.00191	0.282968	4.78E-10
#####	0.137334	0.00294	0.086635	0.06139	0.03998	0.38869	0.161313	0.00047
1.19E-15	0.056082	0.22641	-0.15778	0.00062	-0.14676	0.00147	-0.0234	0.61395
3.20E-45	0.084964	0.06658	0.133264	0.00391	0.051037	0.27104	0.098232	0.03382
2.32E-60	0.083947	0.06992	0.045924	0.32204	0.044128	0.34134	0.065562	0.15721
#####	0.158681	0.00058	0.03443	0.45792	0.011201	0.80924	0.087294	0.05943
1.70E-34	0.038553	0.40586	0.043299	0.3505	0.003058	0.94745	0.079686	0.0854
2.26E-90	0.082943	0.07334	0.08438	0.06848	0.001709	0.97062	0.146276	0.00153
#####	0.093278	0.04393	0.093359	0.04375	0.019789	0.66972	0.130276	0.00481
1.84E-29	0.254742	2.37E-08	0.185712	5.40E-05	0.280261	7.08E-10	0.410935	1.88E-20
#####	0.101102	0.02892	0.092846	0.04492	0.006156	0.89445	0.113518	0.01411

2.05E-39	0.142029	0.00209	0.096042	0.03801	-0.00664	0.88612	0.100794	0.02941
2.72E-19	0.035296	0.44669	0.12563	0.00656	0.088901	0.05488	0.095224	0.03969
1.67E-78	0.165933	0.00032	0.039411	0.39548	0.007824	0.86608	0.074371	0.10848
4.76E-21	0.031198	0.50123	0.062716	0.17606	-0.03472	0.45416	0.048707	0.29355
8.96E-67	0.12267	0.00796	0.040086	0.38743	-0.0111	0.81088	0.086929	0.06051
2.85E-42	0.034967	0.45094	0.079773	0.08506	-0.0091	0.84449	0.078578	0.08986
9.83E-60	0.191791	3.01E-05	0.019266	0.67795	-0.04127	0.3735	0.057152	0.21767
1.04E-33	0.412696	1.24E-20	0.040105	0.38721	0.220785	1.45E-06	0.390671	1.77E-18
1.05E-24	0.039248	0.39744	0.124004	0.0073	-0.00361	0.93795	0.073699	0.11171
3.43E-31	0.135692	0.0033	-0.02403	0.60455	0.001601	0.97248	0.15035	0.00112
#####	0.170631	0.00021	0.071484	0.12292	0.022327	0.63034	0.149566	0.00119
1.71E-16	0.077323	0.09512	-0.14479	0.00171	0.020658	0.65612	-0.00997	0.82983
2.90E-29	0.135074	0.00345	-0.10192	0.02764	-0.03391	0.4647	0.086935	0.06049
8.24E-78	0.097574	0.03503	0.005407	0.90723	-0.04681	0.31282	0.127445	0.00582
9.34E-58	0.209925	4.75E-06	-0.00784	0.86576	0.043213	0.35145	0.129588	0.00504
1.54E-19	0.088214	0.05679	-0.01936	0.67652	-0.03109	0.50269	0.030609	0.50935
7.02E-87	0.128217	0.00552	0.027873	0.54795	-0.00642	0.88998	0.139256	0.00256
2.96E-82	0.097584	0.03501	-0.01107	0.81142	-0.03159	0.49585	0.059913	0.19621
1.94E-41	0.340937	3.56E-14	0.011188	0.80945	-0.07685	0.09715	0.164917	0.00035
7.42E-32	0.066915	0.1488	0.072542	0.11746	0.007641	0.86919	0.133439	0.00387
2.71E-17	-0.06896	0.13675	-0.03327	0.47322	-0.15442	0.00081	-0.11462	0.01319
2.60E-15	0.034745	0.45382	-0.02662	0.56607	-0.05267	0.25597	-0.02586	0.57728
8.92E-31	-0.15941	0.00054	-0.03562	0.44249	-0.13872	0.00266	-0.23642	2.35E-07
7.84E-20	0.044772	0.33433	-0.1144	0.01337	-0.08195	0.07688	-0.03795	0.41322
#####	0.124276	0.00717	0.170894	0.00021	0.078306	0.09098	0.163442	0.00039
1.48E-53	0.106076	0.02187	0.001298	0.97768	-0.00859	0.8532	0.050331	0.27773
1.40E-25	0.122169	0.00822	0.074763	0.10662	0.025789	0.57828	0.124474	0.00708
6.71E-83	0.183182	6.84E-05	0.174952	0.00014	0.302659	2.38E-11	0.387589	3.45E-18
1.42E-19	0.037807	0.415	0.084612	0.06772	0.071932	0.12059	0.144236	0.00178
8.55E-15	0.027526	0.55294	-0.1324	0.00416	-0.08815	0.05696	0.010056	0.82842
1.51E-35	0.166386	0.0003	-0.04956	0.28513	-0.04104	0.37626	0.128089	0.00557
#####	0.174767	0.00015	0.103019	0.026	0.030804	0.50666	0.202535	1.03E-05
1.16E-63	0.389806	2.14E-18	0.212669	3.54E-06	0.338334	5.71E-14	0.567397	3.82E-41
3.48E-17	0.164458	0.00036	0.085391	0.06522	0.187064	4.75E-05	0.294143	8.97E-11
9.62E-96	0.186253	5.13E-05	0.107475	0.02018	0.114889	0.01298	0.304521	1.77E-11
2.73E-74	0.086309	0.06237	-0.03305	0.47621	-0.08636	0.0622	0.043045	0.35333
1.87E-69	0.171085	0.0002	0.083153	0.07261	0.037168	0.42294	0.192084	2.93E-05
1.73E-23	0.209761	4.84E-06	0.055593	0.2305	0.093954	0.04242	0.252789	3.05E-08
9.16E-22	-0.11013	0.01727	-0.14304	0.00194	-0.17951	9.60E-05	-0.21147	4.03E-06
2.28E-30	0.098381	0.03355	0.041912	0.36616	-0.08602	0.06325	0.056047	0.22671
1.68E-30	0.211681	3.94E-06	0.067303	0.14645	0.135591	0.00333	0.263616	7.29E-09
4.82E-73	0.114123	0.0136	0.195977	2.00E-05	0.040259	0.38538	0.153128	0.0009
8.24E-69	0.115024	0.01287	0.096458	0.03718	-0.02014	0.66428	0.108023	0.01954
4.33E-37	0.059424	0.19989	-0.08267	0.0743	-0.17308	0.00017	-0.07082	0.12647
8.35E-73	0.205602	7.49E-06	0.097893	0.03444	0.074772	0.10658	0.279654	7.73E-10

2.04E-45	0.229379	5.43E-07	0.040375	0.38401	0.003904	0.93294	0.1931	2.65E-05
7.82E-55	0.1519	0.00099	0.074941	0.10579	0.039817	0.39062	0.181564	7.95E-05
3.80E-36	0.166236	0.00031	0.056595	0.22219	0.101107	0.02891	0.278163	9.59E-10
2.21E-47	0.102644	0.02655	0.068407	0.13993	0.021468	0.64355	0.088023	0.05733
8.59E-59	0.132257	0.0042	0.249167	4.86E-08	0.142419	0.00203	0.307471	1.11E-11
3.29E-24	0.018762	0.68592	-0.10398	0.02464	-0.09739	0.03537	-0.07346	0.11288
3.48E-12	0.053918	0.24487	-0.14358	0.00187	0.148898	0.00125	0.054405	0.24062
0.00402	-0.17876	0.0001	-0.18775	4.45E-05	-0.08554	0.06475	-0.29454	8.44E-11
1.25E-28	-0.02233	0.63033	0.031054	0.50321	0.164586	0.00035	0.050619	0.27498
2.68E-29	0.029328	0.52724	-0.0791	0.08772	-0.20019	1.31E-05	-0.04176	0.36785
1.79E-07	0.019317	0.67714	0.063634	0.1698	-0.09116	0.04898	0.047277	0.30797
3.79E-05	0.063933	0.1678	-0.04026	0.38535	-0.11882	0.01017	0.057034	0.21862
0.00024	0.041249	0.37379	0.031772	0.49338	-0.09816	0.03395	0.072932	0.1155
4.46E-15	0.12077	0.00899	0.198015	1.63E-05	0.083644	0.07094	0.240484	1.44E-07
0.00062	0.110138	0.01727	0.151565	0.00102	-0.04134	0.37272	0.168003	0.00027
2.98E-25	0.140708	0.00231	0.005259	0.90976	0.016176	0.72736	0.197872	1.65E-05
2.88E-11	-0.18065	8.64E-05	-0.01407	0.76165	-0.04894	0.29125	-0.26099	1.04E-08
1.21E-07	0.192314	2.87E-05	0.031639	0.4952	0.093237	0.04402	0.278107	9.66E-10
8.66E-11	0.143836	0.00183	0.058336	0.20827	0.053908	0.24496	0.224154	9.91E-07
2.68E-19	-0.03511	0.44913	0.017743	0.70214	-0.05218	0.26045	0.020678	0.65581
6.06E-19	-0.01229	0.7911	0.056484	0.2231	-0.082	0.07667	0.052647	0.25619
4.84E-05	-0.07211	0.11969	0.088527	0.05591	0.112711	0.01481	0.051827	0.26368
0.00128	-0.0056	0.90387	-0.09454	0.04115	-0.18061	8.68E-05	-0.07457	0.10752
5.95E-19	0.087288	0.05945	-0.05386	0.24537	-0.12264	0.00797	-0.01146	0.80487
0.03908	0.066619	0.1506	-0.05093	0.27207	-0.15181	0.001	0.003238	0.94436
7.72E-11	0.060581	0.19126	0.020543	0.65792	-0.02696	0.56118	0.168848	0.00025
0.00138	0.002378	0.95912	-0.22111	1.40E-06	-0.27824	9.48E-10	-0.114	0.0137
2.38E-07	0.065283	0.15898	-0.06461	0.16334	-0.03835	0.40831	0.0717	0.1218
1.38E-07	0.080414	0.08258	-0.04411	0.34151	-0.16172	0.00045	-0.04565	0.32492
0.02072	-0.10513	0.02308	-0.17695	0.00012	-0.21394	3.09E-06	-0.1458	0.00158
9.12E-07	0.000422	0.99275	-0.19248	2.82E-05	-0.14261	0.00201	-0.04561	0.32537
8.99E-12	0.05253	0.25725	-0.00075	0.98707	-0.09161	0.04786	0.033553	0.46946
0.00012	-0.10644	0.02141	-0.16291	0.00041	-0.18015	9.06E-05	-0.07112	0.12485
0.00398	0.099387	0.03177	0.369061	1.62E-16	0.167064	0.00029	0.281498	5.92E-10
0.17417	0.084005	0.06972	-0.03137	0.49888	-0.056	0.2271	0.083367	0.07188
1.19E-06	0.084917	0.06673	0.076295	0.09961	0.004784	0.91788	0.169198	0.00024
9.59E-20	0.056046	0.22671	0.007382	0.8736	-0.05822	0.20917	0.096195	0.03771
0.00787	-0.01791	0.69952	-0.15707	0.00066	-0.22048	1.50E-06	-0.1153	0.01266
0.06608	0.063845	0.16839	0.080424	0.08254	0.119513	0.00974	0.174546	0.00015
1.34E-20	0.056788	0.22061	-0.13603	0.00322	-0.25298	2.98E-08	-0.09027	0.05123
1.08E-20	0.119946	0.00947	0.172399	0.00018	0.06973	0.13241	0.263298	7.61E-09
1.80E-08	0.054683	0.23823	0.009444	0.83871	-0.1213	0.00869	0.040798	0.37905
6.60E-05	-0.08438	0.06848	-0.14423	0.00178	-0.23099	4.49E-07	-0.207	6.47E-06
5.14E-19	0.046621	0.31473	0.006584	0.88716	-0.09312	0.04429	0.036048	0.43706
5.34E-12	0.120484	0.00916	0.040802	0.379	-0.02114	0.64866	0.119312	0.00986

0.00585	-0.01096	0.81326	0.101849	0.02775	-0.08091	0.08071	-0.02565	0.58029
9.73E-23	-0.00845	0.85555	0.027101	0.55908	-0.08817	0.05692	0.031337	0.49933
4.38E-11	0.065113	0.16008	0.027758	0.5496	-0.05011	0.27982	0.126303	0.00627
4.28E-14	-0.00944	0.8387	-0.12516	0.00677	-0.15526	0.00076	-0.07427	0.10895
0.00273	0.020514	0.65837	-0.09618	0.03774	-0.00484	0.91688	0.07045	0.12845
8.16E-08	-0.04574	0.32394	-0.06289	0.17486	-0.08605	0.06315	-0.00819	0.8599
9.24E-13	-0.06077	0.18989	-0.19488	2.23E-05	-0.21829	1.92E-06	-0.12651	0.00619
6.20E-20	0.037561	0.41804	-0.03306	0.476	-0.13144	0.00444	0.016529	0.72164
0.22176	0.001549	0.97337	0.057499	0.21488	-0.01242	0.78897	0.108491	0.01902
0.83303	0.124436	0.0071	-0.00557	0.90452	0.060706	0.19035	0.179498	9.61E-05
0.00094	0.185835	5.34E-05	0.02026	0.66233	0.071329	0.12374	0.297151	5.64E-11
5.89E-08	-0.01689	0.71589	0.092374	0.04603	-0.06819	0.14122	0.114259	0.01349
8.68E-36	0.10196	0.02758	0.059484	0.19944	-0.07659	0.0983	0.09448	0.04127
3.08E-08	-0.02238	0.6295	-0.00342	0.94116	0.028845	0.53407	0.058034	0.21063
4.04E-12	0.047274	0.308	0.000187	0.99678	-0.1412	0.00222	0.034072	0.46261
0.02032	-0.11853	0.01036	-0.09211	0.04665	-0.03454	0.45652	-0.20299	9.83E-06
5.95E-08	-0.08819	0.05685	-0.10188	0.0277	-0.08348	0.0715	-0.18018	9.02E-05
8.16E-22	0.170439	0.00022	0.10884	0.01864	-0.1324	0.00416	0.039743	0.39151
6.87E-16	0.089379	0.05358	0.004462	0.92339	-0.03141	0.49839	0.130842	0.00462
4.53E-06	0.06696	0.14852	0.072864	0.11584	0.052218	0.26008	0.179088	9.97E-05
5.83E-05	0.104379	0.02409	-0.09307	0.0444	-0.10006	0.03062	0.095751	0.0386
1.07E-07	0.100439	0.02999	0.116815	0.01153	0.086649	0.06134	0.23653	2.32E-07
7.80E-25	0.062354	0.17857	0.045376	0.32785	-0.08248	0.07496	0.100903	0.02924
9.97E-10	0.007397	0.87333	-0.04824	0.2982	-0.06829	0.14059	0.031293	0.49993
1.45E-16	-0.0258	0.57808	0.05669	0.22141	0.150512	0.0011	0.026423	0.56897
0.00041	0.12461	0.00701	-0.11117	0.01624	-0.10487	0.02343	0.067952	0.14259
9.99E-11	-0.01977	0.67005	-0.01158	0.80292	-0.09445	0.04133	0.054776	0.23743
3.29E-16	-0.06209	0.18042	-0.02464	0.59535	0.133851	0.00376	-0.02468	0.59475
2.56E-20	-0.0295	0.52485	-0.00768	0.86853	-0.17501	0.00014	-0.0821	0.07634
2.61E-14	0.015388	0.74015	0.13048	0.00474	-0.07804	0.09207	0.051611	0.26568
2.57E-16	0.151836	0.001	0.050079	0.28015	-0.05417	0.24266	0.132825	0.00403
1.44E-08	0.113162	0.01441	-0.10086	0.02932	-0.13524	0.00341	0.050873	0.27258
5.67E-07	0.057607	0.21402	-0.01687	0.71614	-0.06536	0.15852	0.042755	0.35659
0.12583	0.009783	0.83301	-0.14259	0.00201	-0.11469	0.01314	-0.04456	0.33668
1.42E-19	0.178672	0.0001	0.185711	5.40E-05	0.057348	0.21609	0.311524	5.73E-12
7.54E-09	-0.09603	0.03803	-0.09167	0.04773	0.107469	0.02018	-0.04237	0.3609
0.00234	0.117249	0.01122	-0.0871	0.06	-0.07717	0.09578	-0.14216	0.00207
4.24E-15	0.177877	0.00011	0.178012	0.00011	-0.0319	0.49166	0.171468	0.0002
0.03295	0.089256	0.05392	-0.03809	0.41147	-0.04958	0.28495	-0.00508	0.91281
5.73E-16	0.074669	0.10706	0.069672	0.13273	0.004654	0.9201	0.137896	0.00282
2.88E-26	0.074821	0.10635	0.05103	0.2711	0.042135	0.36361	0.159068	0.00056
3.99E-16	0.051864	0.26334	0.066335	0.15236	-0.01437	0.75678	0.139931	0.00244
5.69E-20	-0.01008	0.82803	-0.02281	0.62293	-0.16556	0.00033	-0.014	0.76288
5.45E-07	-0.16254	0.00042	-0.18467	5.96E-05	-0.03859	0.40536	-0.21658	2.31E-06
3.18E-13	0.0312	0.5012	0.388543	2.81E-18	0.340806	3.65E-14	0.212921	3.45E-06



6.52E-16	0.024806	0.59286	0.05833	0.20831	-0.10292	0.02614	-0.0341	0.46222
4.67E-22	-0.07446	0.10805	0.063966	0.16758	0.050727	0.27396	-0.10871	0.01878
0.00053	0.10165	0.02806	0.047364	0.30708	-0.01442	0.75599	0.125816	0.00648
3.01E-19	0.147373	0.0014	0.112289	0.01519	0.009493	0.83789	0.185116	5.71E-05
5.20E-06	0.14128	0.00221	0.147204	0.00142	0.039741	0.39153	0.242651	1.10E-07
0.07863	-0.0713	0.1239	-0.07763	0.0938	-0.2104	4.52E-06	-0.08147	0.07861
8.55E-05	0.059869	0.19654	-0.12921	0.00517	-0.03256	0.48269	0.051183	0.26967
4.91E-14	0.013986	0.76307	-0.08953	0.05319	-0.2477	5.85E-08	-0.11899	0.01006
4.10E-13	-0.15052	0.0011	0.097732	0.03474	0.233042	3.53E-07	-0.00166	0.97148
0.00037	-0.02231	0.63054	0.01934	0.67678	0.005066	0.91305	-0.01049	0.82115
5.68E-05	0.17437	0.00015	0.193866	2.46E-05	0.196356	1.92E-05	0.373059	7.22E-17
6.69E-06	0.125268	0.00672	0.147752	0.00136	0.002966	0.94903	0.207934	5.87E-06
1.06E-17	0.102961	0.02608	0.056426	0.22357	-0.0544	0.24069	0.153483	0.00088
0.02725	0.029209	0.52892	-0.31713	2.27E-12	-0.30365	2.04E-11	-0.18656	4.98E-05
0.01168	-0.0888	0.05515	-0.00823	0.85924	-0.20408	8.78E-06	-0.10858	0.01892
6.40E-19	0.087953	0.05753	0.032487	0.48371	0.013302	0.77434	0.163592	0.00039
7.65E-14	0.016064	0.72917	-0.10305	0.02596	-0.14188	0.00212	-0.01699	0.71427
2.59E-11	-0.00827	0.85854	-0.00366	0.93716	0.061302	0.18602	0.048609	0.29452
6.81E-15	0.120389	0.00921	0.078347	0.09081	-0.00483	0.91703	0.180551	8.72E-05
5.21E-11	-0.09	0.05195	-0.09548	0.03915	-0.29653	6.21E-11	-0.17299	0.00017
5.96E-17	0.213361	3.29E-06	-0.06149	0.18465	-0.17598	0.00013	0.027537	0.55279
1.45E-16	0.141827	0.00212	0.072439	0.11798	0.048992	0.29072	0.268077	3.96E-09
0.00033	0.058318	0.20841	-0.15544	0.00075	-0.19322	2.62E-05	-0.12555	0.00659
2.85E-07	0.002964	0.94907	-0.08238	0.0753	-0.19497	2.21E-05	-0.03357	0.46922
3.23E-07	-0.0128	0.78265	0.133649	0.00381	-0.16359	0.00039	0.023858	0.60706
2.27E-12	0.097846	0.03453	-0.09381	0.04273	-0.0128	0.78256	0.16633	0.00031
1.45E-27	0.074121	0.10967	-0.04658	0.31521	-0.12489	0.00689	0.05384	0.24555
4.10E-10	-0.0042	0.92792	-0.10096	0.02915	-0.11037	0.01703	-0.01165	0.80172
0.01155	0.126724	0.0061	0.109424	0.01801	-0.1376	0.00289	0.032804	0.47945
0.00125	0.004144	0.92884	0.355175	2.49E-15	0.055878	0.22811	0.197409	1.73E-05
3.75E-08	0.018049	0.69725	-0.04182	0.36719	-0.1391	0.00259	-0.0128	0.78263
2.69E-12	0.028609	0.53743	-0.02419	0.60207	-0.10864	0.01886	0.054409	0.24059
4.40E-13	0.011901	0.79756	0.003169	0.94555	-0.19617	1.96E-05	-0.03907	0.39956
2.73E-18	0.061037	0.18794	-0.04992	0.28166	-0.17333	0.00017	0.036576	0.43036
2.82E-12	0.020373	0.66057	0.000439	0.99245	-0.01864	0.68779	0.078701	0.08935
0.49766	0.076758	0.09757	-0.05868	0.20562	-0.04236	0.36108	0.118856	0.01015
4.25E-08	0.007325	0.87456	0.035842	0.43969	-0.0677	0.14406	0.027101	0.55909
1.52E-13	0.075447	0.10345	-0.03704	0.42456	-0.14762	0.00138	0.00182	0.96872
1.84E-11	0.221795	1.29E-06	0.137768	0.00285	0.036993	0.42513	0.278339	9.35E-10
8.04E-20	0.003416	0.9413	-0.1892	3.87E-05	-0.19787	1.65E-05	-0.07838	0.09069
0.69584	0.09134	0.04853	0.043315	0.35032	0.003154	0.94581	0.196568	1.88E-05
0.00023	0.085303	0.0655	-0.00815	0.86054	0.090552	0.05051	0.138897	0.00263
1.88E-14	-0.12042	0.00919	-0.06673	0.14991	-0.08127	0.07937	-0.18919	3.88E-05
0.00515	0.097595	0.03499	0.10124	0.0287	-0.01976	0.67022	0.19314	2.64E-05
4.24E-12	0.132815	0.00404	0.069744	0.13233	-0.16736	0.00028	0.017535	0.70548

1.84E-20	0.130737	0.00466	0.120776	0.00899	0.107148	0.02056	0.28369	4.30E-10
1.42E-18	0.231341	4.31E-07	0.03642	0.43234	0.007691	0.86835	0.224058	1.00E-06
3.36E-06	0.009103	0.84446	0.002797	0.95193	0.09657	0.03696	-0.04041	0.38354
0.0671	0.066471	0.15152	-0.01153	0.80372	0.04238	0.36083	0.175342	0.00014
3.12E-14	0.061199	0.18677	-0.08872	0.05538	-0.21118	4.16E-06	-0.03637	0.43296
3.53E-12	0.014146	0.76045	-0.18404	6.32E-05	-0.20485	8.11E-06	-0.04574	0.32394
6.44E-06	-0.00704	0.87936	0.092988	0.0446	-0.1137	0.01396	0.035726	0.44116
0.00282	0.147388	0.0014	0.190325	3.48E-05	0.073498	0.1127	0.246773	6.58E-08
7.54E-12	-0.04566	0.32487	-0.12484	0.00691	-0.31188	5.41E-12	-0.20148	1.15E-05
6.47E-11	0.018983	0.68241	-0.17932	9.76E-05	-0.1616	0.00045	-0.058	0.21094
1.96E-23	0.100058	0.03063	0.043526	0.34797	-0.04201	0.36504	0.156648	0.00068
1.23E-08	0.033116	0.47528	-0.09456	0.0411	-0.1321	0.00424	-0.01143	0.80547
4.04E-11	-0.02796	0.54666	-0.0039	0.93297	-0.15652	0.00069	-0.01126	0.80824
3.32E-21	0.092529	0.04566	0.113428	0.01418	-0.00795	0.86396	0.15698	0.00066
4.46E-06	0.051247	0.26907	-0.00193	0.96683	-0.08054	0.08211	0.060223	0.1939
1.21E-24	0.095303	0.03952	0.10308	0.02591	0.015564	0.73727	0.175403	0.00014
0.00315	0.027444	0.55412	-0.13439	0.00362	0.041279	0.37345	-0.04804	0.30019
4.11E-21	0.062405	0.17821	0.112871	0.01467	-0.03598	0.43793	0.125762	0.0065
0.00029	-0.01884	0.6847	0.074977	0.10562	0.156373	0.0007	0.049847	0.28239
0.15384	-0.01562	0.73641	-0.16214	0.00044	-0.18546	5.53E-05	-0.13761	0.00288
4.71E-07	0.068046	0.14203	0.065938	0.15483	-0.09568	0.03875	0.030239	0.51449
0.00027	0.067704	0.14406	0.002829	0.95138	-0.02777	0.54936	0.089275	0.05386
1.74E-05	0.262479	8.50E-09	-0.00461	0.92089	0.01451	0.75448	0.268329	3.83E-09
1.76E-12	0.135746	0.00329	-0.09768	0.03484	0.011221	0.8089	0.147883	0.00135
3.69E-06	0.217244	2.15E-06	-0.03054	0.51033	-0.00807	0.86187	0.220394	1.52E-06
6.55E-22	0.10581	0.0222	0.002544	0.95628	-0.06506	0.16044	0.072375	0.11831
2.63E-19	0.043531	0.34792	0.098742	0.0329	-0.1132	0.01438	0.084527	0.068
0.0074	0.092258	0.0463	-0.17031	0.00022	-0.1505	0.00111	0.039375	0.39591
0.06308	0.078799	0.08895	0.100397	0.03006	0.002667	0.95415	0.18381	6.45E-05
0.01768	0.0959	0.0383	-0.02978	0.52093	0.081112	0.07994	0.144252	0.00178
8.75E-08	0.039304	0.39676	0.137048	0.003	-0.05233	0.25908	0.037953	0.4132
7.96E-16	0.042708	0.35712	0.007771	0.867	-0.12702	0.00598	0.039119	0.39899
7.33E-07	-0.02724	0.55701	-0.12254	0.00802	-0.22075	1.46E-06	-0.09651	0.03707
1.64E-13	0.165405	0.00033	-0.01527	0.74204	-0.20964	4.90E-06	-0.0785	0.09018
7.88E-10	0.011361	0.80657	0.072434	0.11801	-0.10546	0.02265	0.051468	0.26701
1.26E-14	0.101668	0.02803	0.103522	0.02528	-0.00179	0.96928	0.203261	9.55E-06
1.58E-05	0.154535	0.00081	0.090823	0.04982	0.064705	0.16272	0.264235	6.70E-09
5.78E-11	0.055279	0.23315	0.06621	0.15313	-0.11092	0.01649	0.06414	0.16643
4.95E-14	0.075553	0.10296	0.027709	0.55031	-0.17709	0.00012	0.014433	0.75574
7.97E-12	-0.08831	0.05652	-0.00492	0.91563	-0.15979	0.00053	0.008188	0.85993
0.01884	-0.11812	0.01063	-0.06759	0.14474	-0.11359	0.01405	-0.11925	0.0099
0.00502	0.005234	0.91019	0.098312	0.03367	0.04664	0.31454	-0.00321	0.94484
6.49E-18	0.045289	0.32878	0.006154	0.89448	-0.0575	0.21485	0.116579	0.0117
3.24E-07	0.134959	0.00348	-0.09725	0.03565	-0.07329	0.11374	0.120729	0.00901
0.00185	-0.06814	0.1415	-0.14587	0.00157	-0.16822	0.00026	-0.11164	0.0158

0.01152	-0.02047	0.65905	0.063197	0.17276	-0.10537	0.02277	0.000821	0.98588
3.27E-20	0.036715	0.42862	-0.06291	0.17474	-0.11371	0.01395	0.026338	0.57021
6.19E-05	0.177246	0.00012	-0.01168	0.8013	0.004118	0.92928	0.236892	2.23E-07
1.98E-10	0.225877	8.14E-07	0.043216	0.35142	-0.03261	0.48201	0.20548	7.59E-06
0.00025	-0.00497	0.91469	0.178828	0.0001	0.141371	0.0022	0.146937	0.00145
2.34E-05	0.224622	9.39E-07	0.146148	0.00154	0.143604	0.00186	0.413659	9.93E-21
9.18E-21	0.022967	0.62056	0.129871	0.00494	-0.03757	0.41791	0.095616	0.03888
1.76E-08	0.161418	0.00046	0.082619	0.07448	-0.08208	0.07641	0.186221	5.14E-05
4.23E-14	0.176859	0.00012	0.231042	4.47E-07	0.041795	0.3675	0.23824	1.89E-07
1.01E-09	-0.12013	0.00936	0.028029	0.5457	0.02379	0.6081	-0.20038	1.28E-05
1.21E-08	-0.12673	0.0061	-0.04494	0.3325	0.11076	0.01664	-0.11248	0.01502
0.0006	0.096802	0.03651	-0.02738	0.55512	-0.01617	0.72746	0.190294	3.49E-05
0.99511	0.048811	0.29252	-0.08067	0.08162	-0.15276	0.00093	-0.05972	0.19766
3.94E-09	-0.01334	0.77369	0.019011	0.68198	-0.23398	3.15E-07	-0.08975	0.05261
3.05E-05	0.090445	0.05079	0.040904	0.3778	-0.08456	0.06787	0.111965	0.01549
9.86E-05	0.106203	0.02171	-0.06849	0.13943	0.027635	0.55137	0.213622	3.19E-06
1.70E-46	0.03689	0.42642	0.054979	0.23569	-0.06699	0.14837	0.065863	0.1553
1.21E-21	0.170983	0.00021	0.16868	0.00025	0.054359	0.24102	0.290593	1.54E-10
1.17E-05	0.104209	0.02432	-0.14362	0.00186	-0.15212	0.00097	0.043463	0.34867
0.01465	0.09389	0.04256	-0.0032	0.94495	-0.14374	0.00184	0.039987	0.3886
8.82E-15	0.079216	0.08727	-0.03558	0.44299	-0.13466	0.00355	0.051999	0.26209
3.87E-10	0.107411	0.02025	-0.07678	0.09748	-0.0993	0.03192	0.077669	0.09365
1.05E-12	0.062478	0.1777	-0.11461	0.0132	-0.21482	2.81E-06	-0.00419	0.928
6.19E-07	0.034659	0.45494	-0.03039	0.51241	-0.24432	8.95E-08	-0.08429	0.06878
1.19E-09	0.055801	0.22875	0.017852	0.70039	-0.03002	0.5176	0.127713	0.00571
1.09E-08	0.117658	0.01094	0.041081	0.37574	-0.03077	0.50709	0.197872	1.65E-05
1.17E-12	0.043694	0.34611	0.000371	0.99362	-0.15697	0.00066	-0.01543	0.73939
7.13E-12	0.128686	0.00535	-0.06076	0.18996	-0.08265	0.07436	0.161339	0.00046
0.6142	0.131371	0.00446	-0.0121	0.79424	-0.07571	0.10224	0.137063	0.003
2.25E-08	-0.12136	0.00866	-0.12038	0.00922	-0.28055	6.79E-10	-0.1845	6.05E-05
9.06E-16	-0.13407	0.0037	-0.21433	2.96E-06	-0.31466	3.42E-12	-0.26386	7.05E-09
2.90E-10	0.136154	0.0032	0.10016	0.03046	0.086767	0.06099	0.254609	2.41E-08
0.01267	0.054886	0.23649	0.068919	0.13698	-0.02365	0.61013	0.154707	0.0008
0.00015	0.09438	0.04149	0.068976	0.13665	-0.07061	0.12761	0.073259	0.11387
8.69E-10	0.062651	0.17651	0.026468	0.56831	-0.12648	0.0062	0.084854	0.06694
0.00521	0.008971	0.84668	-0.134	0.00372	-0.10317	0.02578	0.035982	0.4379
8.87E-05	0.1004	0.03006	-0.00992	0.83064	-0.03463	0.45527	0.162474	0.00042
0.0015	0.029604	0.52337	-0.2366	2.30E-07	-0.19623	1.95E-05	-0.07756	0.0941
0.00752	0.182334	7.40E-05	0.118822	0.01017	0.133539	0.00384	0.345722	1.48E-14
4.96E-06	0.09544	0.03924	-0.04165	0.3692	-0.02623	0.57182	0.158848	0.00057
1.87E-18	0.062136	0.18009	-0.02458	0.59619	-0.21219	3.73E-06	-0.11133	0.01609
0.02719	-0.17975	9.38E-05	-0.10646	0.02139	-0.20305	9.76E-06	-0.32178	1.04E-12
2.80E-10	-0.11065	0.01675	-0.03301	0.47669	-0.07206	0.11991	-0.19461	2.29E-05
0.85708	0.113203	0.01438	0.133036	0.00398	0.03783	0.41472	0.161913	0.00044
0.38753	-0.08325	0.07227	0.140773	0.00229	0.167672	0.00027	0.048535	0.29526

0.26977	-0.15472	0.00079	0.166735	0.0003	0.063909	0.16796	-0.07171	0.12174
0.94574	-0.12573	0.00652	0.11377	0.01389	0.193975	2.43E-05	0.093328	0.04382
0.00635	-0.21841	1.89E-06	-0.10125	0.02869	-0.14968	0.00118	-0.34177	3.06E-14
1.67E-12	-0.1755	0.00014	-0.06263	0.17663	-0.09872	0.03294	-0.29887	4.32E-11
4.96E-10	-0.18281	7.08E-05	-0.20957	4.93E-06	-0.24664	6.69E-08	-0.34568	1.49E-14
0.01643	-0.08502	0.0664	-0.04681	0.31274	-0.12463	0.00701	-0.21942	1.69E-06
0.175	-0.1805	8.76E-05	-0.16649	0.0003	-0.16405	0.00037	-0.30677	1.24E-11
0.00813	-0.28883	2.00E-10	-0.11572	0.01233	-0.14434	0.00176	-0.3436	2.19E-14
0.2583	-0.19058	3.39E-05	-0.13553	0.00334	-0.1556	0.00074	-0.33864	5.40E-14
0.18939	-0.23214	3.92E-07	0.09252	0.04568	-0.02462	0.59555	-0.12358	0.0075
0.33584	0.110362	0.01704	-0.13318	0.00394	0.018989	0.68233	0.107326	0.02035
0.1158	-0.09247	0.04581	0.024222	0.60159	0.053585	0.2478	-0.0699	0.13148
0.90205	-0.08092	0.08068	0.019624	0.6723	0.098945	0.03254	-0.06532	0.15872
0.72471	-0.08171	0.07772	0.02027	0.66218	0.075545	0.103	-0.10627	0.02163
0.09817	-0.19442	2.33E-05	-0.02429	0.6005	-0.06236	0.17852	-0.22054	1.49E-06
0.09244	-0.16078	0.00049	-0.00393	0.93251	-0.10042	0.03003	-0.18748	4.57E-05
0.15956	-0.05876	0.20497	0.235997	2.48E-07	0.200035	1.33E-05	0.105323	0.02283
0.23646	-0.0565	0.22297	0.019191	0.67913	-0.00187	0.96792	-0.08599	0.06337
0.47053	-0.18167	7.87E-05	0.043793	0.34502	0.04932	0.2875	-0.16902	0.00024
0.26806	-0.13706	0.003	-0.13813	0.00278	-0.12924	0.00515	-0.23043	4.80E-07
0.19248	-0.10793	0.01965	-0.10831	0.01922	-0.0425	0.35941	-0.154	0.00084
0.00967	-0.12336	0.00761	-0.01694	0.715	-0.00477	0.91812	-0.18244	7.33E-05
0.03345	-0.00909	0.84465	-0.04242	0.36037	-0.16096	0.00048	-0.06782	0.14338
0.11661	0.135633	0.00332	0.039199	0.39802	0.150215	0.00113	0.24586	7.38E-08
0.03547	-0.08498	0.06654	0.29448	8.52E-11	0.23801	1.94E-07	0.070318	0.12917
0.00544	-0.15548	0.00075	-0.20278	1.00E-05	-0.18887	4.00E-05	-0.31601	2.74E-12
0.0001	-0.07193	0.12058	0.029839	0.52007	0.170002	0.00022	0.046736	0.31355
7.97E-07	-0.17672	0.00012	-0.03835	0.40829	-0.2095	4.97E-06	-0.34532	1.59E-14
1.37E-06	-0.32211	9.80E-13	-0.26352	7.38E-09	-0.32001	1.40E-12	-0.49395	4.26E-30
0.00048	-0.0463	0.31807	0.016986	0.71428	0.03868	0.40431	-0.06794	0.14267
0.74216	-0.1796	9.52E-05	-0.12718	0.00592	-0.10513	0.02308	-0.2355	2.63E-07
0.98368	-0.15066	0.00109	-0.03773	0.4159	-0.13725	0.00296	-0.18922	3.87E-05
0.04422	-0.20337	9.44E-06	0.054749	0.23767	-0.01888	0.68399	-0.12155	0.00855
0.36636	-0.13319	0.00393	-0.22206	1.26E-06	-0.15815	0.0006	-0.25986	1.21E-08
0.6943	-0.21242	3.64E-06	-0.04981	0.28275	-0.18446	6.07E-05	-0.28732	2.51E-10
0.00139	0.016648	0.71973	0.148868	0.00125	0.1502	0.00113	0.042798	0.3561
0.45702	-0.16335	0.00039	0.077184	0.09572	-0.03202	0.48999	-0.1715	0.0002
0.25803	0.074231	0.10914	-0.10181	0.02781	-0.212	3.81E-06	-0.09088	0.04968
3.48E-08	-0.05386	0.24541	-0.20432	8.56E-06	-0.12022	0.00931	-0.2361	2.45E-07
0.0004	-0.17854	0.0001	-0.0425	0.35941	-0.11472	0.01312	-0.24011	1.51E-07
0.9741	-0.1278	0.00568	-0.02692	0.56167	-0.09902	0.0324	-0.22133	1.36E-06
0.13086	-0.1225	0.00804	0.044026	0.34246	0.157202	0.00065	0.099461	0.03164
0.02015	-0.16263	0.00042	-0.1468	0.00147	-0.1732	0.00017	-0.31249	4.89E-12
0.13576	0.087521	0.05877	0.074978	0.10562	0.164922	0.00034	0.139276	0.00256
0.53061	0.071296	0.12392	0.039581	0.39344	0.086103	0.063	-0.04498	0.33212

0.00034	-0.05971	0.19774	0.1945	2.31E-05	0.125079	0.0068	0.042631	0.35798
0.63354	-0.01856	0.68915	-0.23849	1.83E-07	-0.20514	7.86E-06	-0.17243	0.00018
0.61673	-0.17173	0.00019	-0.02051	0.65837	-0.0678	0.1435	-0.21612	2.43E-06
0.01237	-0.17984	9.31E-05	0.020908	0.65223	-0.06711	0.14763	-0.19386	2.46E-05
0.04304	0.051579	0.26598	0.107864	0.01973	-0.10071	0.02955	-0.18555	5.48E-05
0.4258	-0.2185	1.87E-06	-0.12428	0.00717	-0.15847	0.00059	-0.2473	6.16E-08
0.33326	-0.20223	1.06E-05	0.102679	0.0265	-0.07808	0.0919	-0.18829	4.23E-05
0.02792	-0.21621	2.41E-06	-0.20787	5.91E-06	-0.18227	7.45E-05	-0.34305	2.42E-14
0.8458	-0.14641	0.00151	-0.03601	0.43757	-0.03168	0.49468	-0.20018	1.31E-05
0.13613	-0.1179	0.01078	-0.15947	0.00054	-0.12128	0.0087	-0.23267	3.68E-07
0.60503	0.185056	5.74E-05	0.225496	8.50E-07	0.167457	0.00028	0.340785	3.66E-14
0.19372	-0.15658	0.00068	-0.06781	0.14343	-0.08848	0.05605	-0.25689	1.79E-08
0.81593	0.144677	0.00172	0.13354	0.00384	0.26164	9.51E-09	0.234503	2.96E-07
0.35571	0.218931	1.78E-06	0.223591	1.06E-06	0.22128	1.37E-06	0.279398	8.02E-10
0.24896	-0.11101	0.0164	-0.14857	0.00128	-0.13377	0.00378	-0.25618	1.96E-08
0.00171	-0.01217	0.79308	-0.08608	0.06306	-0.01709	0.71265	-0.00358	0.93845
0.67612	-0.24161	1.25E-07	-0.09246	0.04582	-0.13677	0.00306	-0.37293	7.42E-17
0.00017	-0.37261	7.91E-17	-0.14332	0.0019	-0.15462	0.0008	-0.38349	8.26E-18
0.0037	0.26235	8.65E-09	-0.02195	0.63616	0.051699	0.26486	0.281561	5.86E-10
2.58E-06	-0.00101	0.98272	0.073605	0.11217	-0.17703	0.00012	-0.0384	0.40778
0.63787	0.108869	0.0186	-0.04307	0.35309	0.023577	0.6113	0.138593	0.00269
0.49147	-0.04358	0.34734	-0.12216	0.00822	0.021744	0.6393	-0.08753	0.05876
0.04616	0.019541	0.67361	0.015142	0.74415	-0.06137	0.18554	0.053932	0.24474
0.05305	-0.1245	0.00707	0.13117	0.00452	0.148539	0.00129	0.013447	0.77196
0.12873	-0.048	0.30058	0.092603	0.04549	0.11722	0.01124	0.030423	0.51192
0.05831	0.068203	0.14112	0.279425	7.99E-10	0.262575	8.39E-09	0.353153	3.66E-15
0.4215	0.036748	0.42821	0.055904	0.22789	-0.01777	0.70164	0.08173	0.07766
0.01987	-0.10368	0.02506	0.043933	0.34348	-0.07279	0.11623	-0.15181	0.001
0.05263	-0.18232	7.41E-05	-0.02224	0.63169	-0.00898	0.84656	-0.17822	0.00011
0.00408	0.028435	0.53991	-0.0808	0.0811	-0.1205	0.00915	-0.01234	0.79032
0.02375	-0.13035	0.00478	0.050998	0.27141	-0.02366	0.61003	-0.13171	0.00436
0.02026	-0.13789	0.00283	-0.10613	0.0218	-0.07483	0.1063	-0.24159	1.25E-07
0.62115	0.294873	8.02E-11	0.060847	0.18932	0.040349	0.38432	0.255389	2.18E-08
0.9319	-0.07262	0.11708	-0.22517	8.83E-07	-0.21852	1.87E-06	-0.21476	2.82E-06
0.00108	-0.16152	0.00046	-0.02117	0.64815	-0.01037	0.82318	-0.16038	0.0005
0.19731	-0.20729	6.28E-06	-0.00295	0.94932	-0.21004	4.69E-06	-0.33675	7.59E-14
0.50573	-0.16215	0.00043	0.105618	0.02245	0.019995	0.66649	-0.07015	0.13011
0.06622	-0.13932	0.00255	-0.10554	0.02254	-0.04596	0.32163	-0.21538	2.64E-06
0.90515	-0.04465	0.33565	0.130761	0.00465	0.116908	0.01146	0.092573	0.04556
0.25226	-0.07726	0.09539	-0.01191	0.79736	0.013376	0.77312	-0.12655	0.00617
0.07032	-0.12194	0.00834	-0.00748	0.87198	0.029881	0.51948	-0.16141	0.00046
0.94416	-0.07072	0.12697	-0.02981	0.52042	0.130884	0.00461	0.015351	0.74074
0.37775	-0.21925	1.72E-06	0.058366	0.20804	-0.10411	0.02445	-0.30958	7.87E-12
0.16928	-0.00817	0.86026	0.186997	4.78E-05	0.300529	3.33E-11	0.267165	4.49E-09
0.31337	-0.1786	0.0001	-0.13223	0.0042	0.016466	0.72267	-0.22966	5.25E-07

0.86392	-0.21941	1.69E-06	-0.06142	0.18514	-0.09877	0.03284	-0.25931	1.30E-08
0.00558	-0.24547	7.75E-08	-0.19767	1.69E-05	-0.13972	0.00248	-0.31794	1.98E-12
0.00022	-0.09072	0.05008	0.032309	0.4861	-0.06225	0.17931	-0.10485	0.02344
0.25697	-0.13708	0.00299	-0.09794	0.03435	-0.06105	0.18785	-0.19777	1.67E-05
0.00011	-0.28928	1.87E-10	-0.06384	0.16842	-0.14958	0.00119	-0.36025	9.31E-16
0.01822	-0.05907	0.20256	-0.15363	0.00087	-0.18112	8.28E-05	-0.24796	5.66E-08
0.65236	-0.20771	6.01E-06	-0.20448	8.42E-06	-0.22941	5.41E-07	-0.39587	5.68E-19
0.04342	0.040033	0.38806	-0.12356	0.00751	-0.16698	0.00029	-0.03045	0.51162
0.17086	-0.10584	0.02216	-0.01344	0.77205	0.002368	0.95929	-0.16405	0.00037
2.11E-05	-0.06982	0.13189	-0.19828	1.59E-05	-0.09502	0.04011	-0.14299	0.00195
2.83E-06	-0.38814	3.06E-18	-0.13048	0.00474	-0.22487	9.14E-07	-0.48821	2.42E-29
0.21916	-0.04606	0.32063	-0.17723	0.00012	-0.27822	9.51E-10	-0.36734	2.29E-16
0.03332	-0.13845	0.00271	0.044696	0.33515	0.088032	0.0573	-0.10825	0.01929
0.03714	0.019514	0.67404	0.018057	0.69712	0.137541	0.0029	0.005833	0.89995
0.52016	-0.21784	2.01E-06	0.005551	0.90476	-0.09907	0.03231	-0.21435	2.95E-06
0.09525	-0.0688	0.13768	0.151637	0.00101	0.117392	0.01112	-0.00104	0.98204
0.16334	-0.12526	0.00672	0.037506	0.41874	-0.00633	0.89156	-0.15706	0.00066
0.10706	0.004368	0.92501	-0.11928	0.00988	-0.04914	0.28931	-0.01497	0.74698
0.00735	0.08596	0.06344	0.068639	0.13859	0.08491	0.06675	0.178654	0.0001
0.00199	-0.22739	6.83E-07	-0.09035	0.05103	-0.07241	0.11812	-0.27225	2.22E-09
0.65295	-0.0942	0.04188	-0.20299	9.82E-06	-0.0726	0.11719	-0.21871	1.83E-06
0.04559	-0.24346	9.96E-08	-0.11043	0.01697	-0.08499	0.06651	-0.33712	7.11E-14
0.16215	-0.20383	9.01E-06	-0.13489	0.00349	-0.05796	0.21118	-0.25166	3.53E-08
0.14381	-0.11354	0.01409	0.060932	0.1887	-0.04393	0.34353	-0.15129	0.00104
0.00311	-0.18241	7.35E-05	-0.05314	0.25176	-0.11116	0.01625	-0.23174	4.11E-07
0.99924	-0.18607	5.22E-05	-0.1538	0.00085	-0.2546	2.41E-08	-0.32425	6.81E-13
0.04779	-0.1758	0.00013	-0.06171	0.18307	-0.06696	0.14853	-0.20945	5.00E-06
0.00111	-0.15447	0.00081	-0.06937	0.1344	-0.0215	0.64309	-0.22459	9.43E-07
0.47721	-0.19143	3.12E-05	-0.07693	0.09684	-0.09771	0.03477	-0.28884	2.00E-10
0.42064	-0.09134	0.04853	-0.11835	0.01047	-0.09906	0.03234	-0.23094	4.52E-07
0.02598	-0.14028	0.00238	0.044316	0.33929	-0.03391	0.46477	-0.1801	9.10E-05
0.95775	-0.23274	3.65E-07	-0.07638	0.09922	-0.14183	0.00212	-0.3408	3.65E-14
0.07414	-0.19037	3.46E-05	-0.15537	0.00075	-0.15095	0.00107	-0.33825	5.80E-14
0.11397	-0.21903	1.76E-06	-0.11526	0.01269	-0.22604	7.98E-07	-0.40684	4.83E-20
0.79016	-0.05794	0.2114	-0.26268	8.27E-09	-0.26951	3.25E-09	-0.19835	1.58E-05
0.05384	-0.0047	0.91934	0.121933	0.00835	0.206155	7.07E-06	0.107672	0.01995
0.00153	-0.31622	2.64E-12	-0.10997	0.01744	-0.0982	0.03387	-0.33996	4.25E-14
6.72E-05	-0.08024	0.08324	0.205017	7.97E-06	0.072275	0.11883	-0.07344	0.113
0.97859	0.05008	0.28014	0.037999	0.41263	0.052962	0.25334	-0.0128	0.78264
0.85371	0.015474	0.73875	0.033306	0.47275	0.125045	0.00682	0.099034	0.03238
0.35618	0.098008	0.03423	-0.07702	0.09641	-0.14051	0.00234	0.007365	0.87388
0.0169	0.093226	0.04405	0.322238	9.60E-13	0.258501	1.45E-08	0.223871	1.02E-06
0.63653	-0.09845	0.03343	-0.05902	0.20298	0.015263	0.74218	-0.1654	0.00033
0.04063	-0.12352	0.00753	-0.00907	0.84503	0.041844	0.36694	-0.12835	0.00547
0.1733	0.076183	0.10011	0.282381	5.20E-10	0.273626	1.83E-09	0.32322	8.12E-13

1.93E-12	-0.11431	0.01344	-0.24568	7.55E-08	-0.29244	1.16E-10	-0.28983	1.73E-10
4.42E-36	0.125079	0.0068	0.211668	3.94E-06	0.164549	0.00036	0.306085	1.38E-11
7.67E-23	0.069067	0.13614	0.139104	0.00259	0.100201	0.03039	0.100509	0.02988
1.99E-12	0.072964	0.11534	0.17008	0.00022	0.11411	0.01361	0.23512	2.75E-07
4.73E-14	0.099754	0.03114	0.038138	0.41093	-0.06406	0.16696	0.034702	0.45438
3.98E-56	0.134242	0.00366	0.049119	0.28948	0.002913	0.94993	0.171498	0.0002
5.94E-15	0.062776	0.17564	0.039719	0.39179	-0.0595	0.19934	0.031404	0.4984
2.77E-15	0.125125	0.00678	0.192815	2.73E-05	0.049042	0.29024	0.190125	3.54E-05
7.06E-25	0.096344	0.03741	0.161212	0.00047	-0.04533	0.32829	0.127738	0.0057
2.32E-66	0.223335	1.09E-06	0.193118	2.65E-05	0.107019	0.02071	0.34263	2.61E-14
1.64E-07	0.087148	0.05986	-0.26724	4.44E-09	-0.03986	0.39007	-0.03555	0.44338
1.02E-11	0.144321	0.00177	0.595385	3.93E-46	0.559443	8.21E-40	0.599604	6.31E-47
6.78E-23	-0.07087	0.12619	-0.18016	9.04E-05	-0.17175	0.00019	-0.17988	9.28E-05
8.50E-13	0.237235	2.13E-07	-0.02196	0.63595	0.042898	0.35497	0.2535	2.78E-08
9.05E-40	-0.2748	1.55E-09	-0.15395	0.00084	-0.23551	2.63E-07	-0.37252	8.05E-17
1.65E-20	0.027729	0.55001	0.101601	0.02813	0.023578	0.6113	0.088369	0.05636
8.74E-11	0.039611	0.39308	0.154059	0.00084	0.01722	0.71053	0.089522	0.0532
2.54E-13	-0.16384	0.00038	-0.2048	8.15E-06	-0.14535	0.00164	-0.319	1.66E-12
1.12E-09	0.140303	0.00237	0.043169	0.35194	0.01618	0.72728	0.200295	1.29E-05
3.70E-24	0.066349	0.15228	0.187588	4.52E-05	0.083284	0.07216	0.21187	3.86E-06
8.09E-32	-0.15027	0.00113	-0.3615	7.29E-16	-0.22603	8.00E-07	-0.34698	1.17E-14
1.96E-40	-0.22618	7.86E-07	-0.25107	3.81E-08	-0.22516	8.84E-07	-0.41443	8.29E-21
2.12E-12	0.119035	0.01003	0.278873	8.66E-10	0.178326	0.00011	0.231423	4.27E-07
9.89E-15	-0.023	0.62005	-0.16299	0.00041	-0.14916	0.00123	-0.13209	0.00424
1.84E-18	0.00768	0.86854	0.221484	1.34E-06	-0.02293	0.62111	0.066668	0.1503
8.47E-06	-0.10933	0.01811	-0.1944	2.34E-05	-0.21381	3.13E-06	-0.2018	1.11E-05
1.71E-28	-0.11447	0.01332	-0.31552	2.97E-12	-0.20639	6.90E-06	-0.23152	4.22E-07
6.41E-37	0.092096	0.04669	0.202477	1.04E-05	0.033052	0.47613	0.155796	0.00073
2.65E-39	0.004599	0.92104	0.144682	0.00172	-0.01715	0.71165	0.033086	0.47568
2.01E-19	0.186402	5.06E-05	0.347249	1.11E-14	0.22447	9.56E-07	0.407762	3.90E-20
1.84E-33	0.041992	0.36524	0.108218	0.01932	-0.11911	0.00999	-0.02992	0.51898
8.83E-23	-0.05234	0.259	-0.25721	1.71E-08	-0.113	0.01456	-0.14957	0.00119
3.34E-13	-0.14158	0.00216	-0.20294	9.88E-06	-0.29146	1.35E-10	-0.32295	8.50E-13
4.81E-18	-0.15528	0.00076	-0.32926	2.86E-13	-0.25225	3.27E-08	-0.38084	1.44E-17
1.98E-24	0.06995	0.13119	0.020021	0.66608	0.080845	0.08094	0.149913	0.00116
1.32E-33	0.118023	0.01069	0.058786	0.20477	-0.0263	0.57077	0.142179	0.00207
2.85E-60	0.179365	9.72E-05	0.116034	0.0121	0.0313	0.49983	0.239472	1.63E-07
1.01E-10	-0.05148	0.26694	-0.21507	2.73E-06	-0.12311	0.00774	-0.17359	0.00016
4.74E-20	0.100449	0.02998	0.352341	4.27E-15	0.19194	2.97E-05	0.359374	1.10E-15
2.81E-17	-0.0992	0.03209	-0.06837	0.14016	0.12884	0.0053	0.045039	0.33146
4.53E-06	-0.15354	0.00087	0.104772	0.02355	-0.17001	0.00022	-0.22625	7.79E-07
2.64E-33	-0.18171	7.84E-05	-0.06606	0.15405	0.0195	0.67426	-0.16547	0.00033
0.00051	-0.06694	0.14867	-0.25919	1.32E-08	-0.19079	3.32E-05	-0.2412	1.32E-07
7.92E-14	0.167498	0.00028	0.370252	1.28E-16	0.212633	3.55E-06	0.351458	5.05E-15
6.38E-14	0.202043	1.08E-05	-0.04579	0.32343	-0.06296	0.17436	0.10356	0.02522

2.98E-23	0.291596	1.32E-10	0.337209	6.99E-14	0.235517	2.63E-07	0.444574	4.80E-24
2.77E-12	0.019791	0.66968	-0.09242	0.04592	0.080254	0.08319	0.01357	0.76992
3.74E-14	0.14764	0.00138	0.270813	2.71E-09	0.235655	2.58E-07	0.310822	6.43E-12
9.58E-17	0.135046	0.00346	0.381255	1.32E-17	0.118133	0.01062	0.293651	9.67E-11
9.82E-24	-0.17146	0.0002	-0.2411	1.33E-07	-0.23472	2.89E-07	-0.34541	1.57E-14
3.25E-17	0.155182	0.00077	0.102809	0.02631	0.062511	0.17747	0.09088	0.04968
5.48E-27	-0.10169	0.028	-0.20041	1.28E-05	-0.14067	0.00231	-0.21559	2.58E-06
1.14E-32	0.172252	0.00018	0.335116	1.02E-13	0.408045	3.66E-20	0.524814	2.06E-34
1.94E-07	0.049422	0.28651	0.052914	0.25378	-0.04518	0.32989	0.055955	0.22747
6.96E-12	0.122245	0.00818	0.043738	0.34562	-0.03335	0.47213	0.128566	0.0054
6.81E-11	-0.06588	0.15518	-0.06653	0.15112	-0.0204	0.6601	-0.08367	0.07085
1.02E-31	-0.09561	0.03889	-0.17862	0.0001	-0.10626	0.02164	-0.17908	9.98E-05
7.95E-10	-0.03818	0.4104	-0.21347	3.25E-06	-0.09899	0.03246	-0.15027	0.00113
2.01E-06	-0.09128	0.04867	-0.13967	0.00249	-0.07032	0.12916	-0.16963	0.00023
1.13E-38	0.287752	2.35E-10	0.360401	9.04E-16	0.493451	4.96E-30	0.595767	3.34E-46
1.39E-23	-0.13848	0.00271	-0.18218	7.51E-05	-0.11583	0.01225	-0.22278	1.16E-06
1.62E-24	0.26264	8.32E-09	0.426907	4.15E-22	0.339141	4.93E-14	0.457901	1.39E-25
5.82E-25	-0.13626	0.00317	-0.23508	2.77E-07	-0.09283	0.04496	-0.24581	7.43E-08
2.94E-24	-0.10382	0.02485	-0.27814	9.61E-10	-0.10355	0.02523	-0.21606	2.45E-06
4.21E-15	-0.01897	0.6826	0.135611	0.00332	0.024717	0.59419	0.114865	0.013
6.38E-23	0.167069	0.00029	0.25382	2.67E-08	0.099621	0.03137	0.25668	1.84E-08
1.37E-16	0.362255	6.29E-16	0.081038	0.08022	0.046225	0.31887	0.27124	2.56E-09
4.96E-07	-0.01759	0.70459	-0.17845	0.00011	-0.13816	0.00277	-0.10969	0.01773
2.27E-23	-0.22318	1.11E-06	-0.21886	1.80E-06	-0.25012	4.30E-08	-0.38382	7.71E-18
6.56E-22	0.025909	0.57651	0.017367	0.70816	-0.13942	0.00253	-0.0542	0.24242
1.25E-16	0.073374	0.11331	0.195811	2.03E-05	-0.03351	0.46998	0.14321	0.00192
8.92E-14	-0.07495	0.10576	0.01513	0.74434	-0.15633	0.0007	-0.11679	0.01155
3.61E-14	-0.0614	0.18529	-0.00036	0.99383	0.004596	0.92109	-0.07254	0.11747
4.17E-35	-0.0188	0.68538	-0.24245	1.13E-07	-0.03834	0.40844	-0.1113	0.01612
8.77E-20	-0.12197	0.00833	-0.13007	0.00487	-0.2022	1.07E-05	-0.20359	9.24E-06
2.62E-13	0.105143	0.02306	0.16645	0.0003	0.150116	0.00114	0.221815	1.29E-06
7.91E-38	0.125358	0.00668	0.203681	9.15E-06	0.049367	0.28705	0.182995	6.96E-05
3.49E-28	0.21269	3.53E-06	0.346506	1.28E-14	0.336925	7.36E-14	0.419511	2.48E-21
2.86E-10	0.00949	0.83793	0.035724	0.44119	-0.09265	0.04537	-0.05644	0.22347
7.27E-16	-0.11478	0.01307	-0.06195	0.18138	0.056594	0.2222	-0.1077	0.01991
0.02681	0.058496	0.20702	0.154307	0.00082	0.063042	0.17381	0.045717	0.32422
7.95E-56	0.198982	1.48E-05	0.309135	8.46E-12	0.171912	0.00019	0.403663	9.95E-20
3.09E-08	0.249233	4.82E-08	0.111124	0.01629	0.192973	2.69E-05	0.375831	4.09E-17
3.64E-39	0.193106	2.65E-05	0.070129	0.13021	0.048122	0.29939	0.203624	9.20E-06
1.59E-09	-0.25203	3.37E-08	-0.22624	7.81E-07	-0.03937	0.39592	-0.28533	3.37E-10
2.02E-14	0.099358	0.03182	0.312584	4.82E-12	0.383195	8.79E-18	0.396255	5.22E-19
1.56E-41	0.018964	0.68271	0.011116	0.81065	-0.07314	0.11446	-0.03659	0.43018
3.06E-21	0.269442	3.28E-09	0.414666	7.84E-21	0.477009	6.57E-28	0.583359	6.27E-44
4.42E-08	-0.04905	0.29016	-0.14503	0.00168	-0.04013	0.38691	-0.13661	0.00309
2.35E-12	0.009654	0.83517	0.134038	0.00371	-0.08243	0.07515	-0.00214	0.96322



4.65E-25	0.079667	0.08548	0.233952	3.17E-07	0.080098	0.0838	0.175024	0.00014
2.26E-18	0.106758	0.02103	0.09835	0.0336	0.090446	0.05078	0.177632	0.00011
6.92E-07	0.011657	0.80163	0.413622	1.00E-20	0.105439	0.02268	0.149964	0.00115
0.00331	-0.02054	0.65789	-0.21295	3.43E-06	-0.2294	5.41E-07	-0.2615	9.70E-09
0.00014	0.139626	0.00249	0.026263	0.57131	0.213424	3.26E-06	0.245002	8.22E-08
8.00E-09	0.037305	0.42123	0.186885	4.83E-05	0.246955	6.43E-08	0.24362	9.76E-08
3.43E-11	-0.00182	0.96876	-0.03773	0.41598	-0.19118	3.20E-05	-0.0949	0.04038
5.31E-21	0.104004	0.0246	0.196963	1.81E-05	0.151062	0.00106	0.261323	9.93E-09
3.36E-17	-0.0073	0.87497	0.407416	4.23E-20	0.241891	1.21E-07	0.140357	0.00237
2.20E-14	-0.07795	0.09246	-0.28739	2.49E-10	-0.24567	7.55E-08	-0.2643	6.64E-09
2.87E-10	0.254349	2.49E-08	0.147671	0.00137	0.059816	0.19694	0.271442	2.48E-09
5.76E-28	0.114291	0.01346	0.314728	3.38E-12	0.315795	2.84E-12	0.474246	1.46E-27
3.28E-14	0.136398	0.00314	0.262552	8.41E-09	0.120806	0.00897	0.258445	1.46E-08
3.64E-22	0.111332	0.01609	0.148752	0.00126	0.023126	0.61815	0.163087	0.0004
1.68E-10	0.171189	0.0002	0.476249	8.19E-28	0.462494	3.96E-26	0.542567	4.21E-37
5.24E-26	0.107909	0.01967	0.135974	0.00324	0.077192	0.09568	0.187186	4.69E-05
8.13E-05	-0.02408	0.60366	-0.07563	0.10262	-0.13445	0.0036	-0.12774	0.0057
8.53E-20	0.125324	0.00669	0.211656	3.95E-06	0.049619	0.2846	0.162921	0.00041
3.79E-30	0.294652	8.29E-11	0.357827	1.49E-15	0.317424	2.16E-12	0.511251	1.84E-32
1.12E-14	0.138888	0.00263	0.314443	3.55E-12	0.211958	3.82E-06	0.313429	4.19E-12
7.65E-24	-0.12343	0.00758	-0.30802	1.01E-11	-0.19679	1.84E-05	-0.30024	3.49E-11
6.67E-10	-0.1408	0.00229	-0.16906	0.00024	-0.25948	1.27E-08	-0.30023	3.50E-11
5.76E-14	0.032745	0.48024	-0.14938	0.00121	0.096801	0.03651	0.050595	0.27521
3.36E-15	0.016245	0.72624	0.061139	0.18719	0.001642	0.97177	0.04716	0.30917
6.84E-20	0.118002	0.01071	-0.0182	0.69477	-0.02808	0.54494	0.040967	0.37707
2.90E-21	0.149039	0.00124	0.094129	0.04203	0.027094	0.55919	0.16766	0.00027
3.06E-21	-0.04704	0.31036	-0.0354	0.44533	-0.12942	0.00509	-0.07643	0.09902
6.09E-19	0.230827	4.58E-07	0.513546	8.73E-33	0.4607	6.49E-26	0.607326	2.06E-48
3.29E-10	-0.11387	0.01381	0.062707	0.17612	-0.3138	3.95E-12	-0.28354	4.39E-10
2.25E-21	0.150257	0.00113	0.222499	1.20E-06	0.172412	0.00018	0.401683	1.56E-19
9.65E-06	-0.04225	0.36233	0.025552	0.58177	-0.14236	0.00204	-0.13911	0.00259
1.17E-06	0.22053	1.49E-06	0.282555	5.07E-10	0.373379	6.76E-17	0.499538	7.60E-31
5.60E-06	-0.20095	1.21E-05	-0.24495	8.28E-08	-0.25107	3.81E-08	-0.356	2.12E-15
1.60E-18	0.096326	0.03744	0.338754	5.29E-14	0.360667	8.58E-16	0.473998	1.56E-27
5.73E-12	-0.0735	0.11267	-0.2402	1.49E-07	-0.10701	0.02073	-0.20736	6.23E-06
2.69E-09	0.013574	0.76985	-0.2583	1.48E-08	-0.15548	0.00075	-0.17364	0.00016
3.22E-25	0.2298	5.17E-07	0.311819	5.46E-12	0.28663	2.78E-10	0.440126	1.51E-23
6.85E-21	-0.12835	0.00547	-0.08244	0.07512	0.066713	0.15003	0.003769	0.93526
3.03E-15	0.209213	5.13E-06	0.380839	1.44E-17	0.377444	2.93E-17	0.437511	2.95E-23
2.75E-12	-0.02639	0.56944	-0.15543	0.00075	-0.12981	0.00496	-0.13203	0.00426
2.85E-29	-0.08151	0.07847	-0.23473	2.88E-07	-0.15072	0.00109	-0.22237	1.21E-06
2.00E-34	0.188551	4.12E-05	0.213996	3.07E-06	0.164141	0.00037	0.3348	1.08E-13
9.52E-12	-0.09515	0.03983	-0.21356	3.21E-06	-0.20547	7.60E-06	-0.26394	6.98E-09
5.07E-35	0.090279	0.05121	0.301379	2.92E-11	0.219861	1.61E-06	0.311459	5.79E-12
1.92E-20	0.038884	0.40183	-0.25263	3.11E-08	-0.13742	0.00292	-0.06083	0.18941

5.24E-17	0.157166	0.00065	0.289123	1.92E-10	0.282851	4.86E-10	0.354545	2.80E-15
3.47E-12	0.233156	3.48E-07	0.239332	1.66E-07	0.363178	5.24E-16	0.42275	1.14E-21
7.52E-16	-0.01108	0.81131	0.037029	0.42468	-0.11753	0.01103	-0.08197	0.07679
9.45E-06	-0.17505	0.00014	-0.27919	8.27E-10	-0.25525	2.22E-08	-0.36443	4.10E-16
5.24E-10	-0.08937	0.05362	-0.15466	0.0008	-0.14417	0.00179	-0.24299	1.06E-07
3.82E-17	-0.08364	0.07095	-0.21544	2.62E-06	-0.1478	0.00136	-0.20499	7.99E-06
4.35E-32	0.039067	0.39961	0.056265	0.2249	-0.12525	0.00673	-0.05506	0.23503
6.70E-18	0.037412	0.4199	0.084998	0.06647	-0.04579	0.32341	0.019108	0.68044
1.34E-23	0.268148	3.92E-09	0.363724	4.71E-16	0.338444	5.60E-14	0.498246	1.14E-30
6.88E-21	0.206945	6.51E-06	0.260423	1.12E-08	0.283981	4.12E-10	0.421274	1.63E-21
2.09E-16	0.104531	0.02388	0.141124	0.00224	-0.05122	0.26934	0.07405	0.11001
1.53E-12	0.055821	0.22859	0.112625	0.01489	-0.02971	0.52186	0.078987	0.08819
2.73E-26	0.290212	1.63E-10	0.325465	5.52E-13	0.257363	1.68E-08	0.472699	2.27E-27
1.48E-07	0.057527	0.21466	0.440747	1.29E-23	0.406487	5.23E-20	0.405453	6.62E-20
1.56E-05	-0.24638	6.91E-08	-0.20384	9.00E-06	-0.28481	3.65E-10	-0.39668	4.75E-19
2.13E-08	0.365549	3.28E-16	0.226698	7.40E-07	0.239312	1.66E-07	0.399594	2.49E-19
2.45E-17	0.176639	0.00012	0.473838	1.64E-27	0.444305	5.15E-24	0.527646	7.87E-35
1.95E-18	-0.08284	0.07369	-0.26473	6.27E-09	-0.18945	3.78E-05	-0.25106	3.81E-08
9.99E-05	0.133719	0.00379	0.201043	1.20E-05	0.282725	4.95E-10	0.356253	2.02E-15
4.44E-23	-0.25826	1.49E-08	-0.27114	2.59E-09	-0.2914	1.36E-10	-0.45244	6.06E-25
1.06E-11	-0.15616	0.00071	-0.29827	4.75E-11	-0.25153	3.59E-08	-0.38182	1.18E-17
4.22E-48	0.199278	1.43E-05	0.097625	0.03494	0.121917	0.00835	0.280512	6.83E-10
1.13E-28	0.296682	6.07E-11	0.277778	1.01E-09	0.2846	3.76E-10	0.462973	3.47E-26
6.97E-64	0.210794	4.33E-06	0.225796	8.21E-07	0.122553	0.00802	0.259262	1.31E-08
4.04E-05	-0.02593	0.57615	-0.19101	3.25E-05	-0.14783	0.00136	-0.08308	0.07286
1.22E-17	0.006333	0.89144	0.138674	0.00267	-0.1211	0.0088	-0.06112	0.18737
1.03E-05	0.226401	7.66E-07	0.133496	0.00385	0.112791	0.01474	0.232077	3.95E-07
9.77E-20	-0.21121	4.14E-06	-0.10098	0.02912	-0.17308	0.00017	-0.33238	1.65E-13
1.15E-35	-0.13194	0.00429	-0.36674	2.59E-16	-0.24032	1.47E-07	-0.34084	3.63E-14
2.50E-21	0.130122	0.00486	0.005187	0.91099	0.1466	0.00149	0.307434	1.11E-11
5.34E-09	-0.18017	9.04E-05	-0.4035	1.03E-19	-0.29523	7.59E-11	-0.44153	1.05E-23
1.41E-16	-0.00078	0.98664	0.154561	0.0008	-0.01314	0.77694	0.027271	0.55662
7.27E-15	-0.20415	8.72E-06	-0.34815	9.39E-15	-0.32981	2.60E-13	-0.44292	7.38E-24
1.24E-13	-0.18526	5.63E-05	-0.31737	2.18E-12	-0.30253	2.43E-11	-0.3998	2.37E-19
1.21E-27	0.169458	0.00023	0.332356	1.66E-13	0.268714	3.63E-09	0.414336	8.47E-21
3.55E-14	-0.19813	1.61E-05	-0.3297	2.65E-13	-0.32983	2.59E-13	-0.41611	5.58E-21
1.21E-12	-0.10427	0.02424	-0.10178	0.02785	-0.05331	0.25025	-0.1553	0.00076
2.82E-06	-0.01418	0.75985	-0.10011	0.03054	-0.05455	0.23936	-0.06716	0.14733
1.67E-18	0.140406	0.00236	0.197661	1.69E-05	0.032219	0.48732	0.145636	0.0016
4.87E-10	-0.0827	0.07418	0.101821	0.02779	0.012513	0.78739	-0.06186	0.18206
1.97E-39	0.13146	0.00443	0.176647	0.00012	0.041236	0.37394	0.19187	2.99E-05
4.77E-66	0.06144	0.18503	0.185985	5.26E-05	0.07565	0.10252	0.127351	0.00585
2.36E-10	0.082009	0.07665	0.342883	2.49E-14	0.224802	9.20E-07	0.239348	1.65E-07
2.57E-20	-0.0867	0.0612	0.020002	0.66637	0.067686	0.14416	-0.0918	0.04739
1.55E-07	0.061877	0.18192	-0.10907	0.01838	0.042225	0.36259	0.101457	0.02836

4.39E-08	0.002421	0.95839	0.277128	1.11E-09	0.212399	3.65E-06	0.277308	1.08E-09
1.71E-30	0.153707	0.00086	0.252864	3.02E-08	0.157369	0.00064	0.330248	2.41E-13
1.50E-17	-0.09716	0.03582	-0.1142	0.01354	-0.15493	0.00078	-0.17996	9.21E-05
1.20E-13	-0.00597	0.89757	0.129005	0.00524	0.024209	0.60179	0.037083	0.424
3.00E-09	0.035684	0.44171	0.113878	0.0138	0.029204	0.52899	0.114094	0.01362
1.84E-18	0.066918	0.14878	0.216301	2.38E-06	-0.00105	0.98197	0.10426	0.02425
5.11E-26	-0.10018	0.03042	-0.28806	2.25E-10	-0.18138	8.08E-05	-0.23473	2.88E-07
4.42E-30	0.005074	0.91292	-0.22933	5.46E-07	-0.11	0.0174	-0.12036	0.00923
1.19E-19	0.057022	0.21871	0.10887	0.0186	-0.049	0.29068	0.06926	0.13505
5.99E-25	-0.02441	0.59881	-0.06113	0.18728	-0.10487	0.02342	-0.00591	0.8987
6.44E-11	0.089171	0.05414	-0.0415	0.37088	0.046178	0.31936	0.007909	0.86465
8.26E-05	-0.11883	0.01017	-0.3363	8.23E-14	-0.26529	5.81E-09	-0.31396	3.84E-12
4.24E-14	-0.05909	0.20245	-0.09461	0.04099	-0.02895	0.53252	-0.07365	0.11195
1.34E-08	0.015092	0.74497	-0.04928	0.28789	0.191861	2.99E-05	0.08575	0.06409
7.69E-24	-0.25384	2.67E-08	-0.10131	0.02859	-0.09531	0.03951	-0.39162	1.44E-18
9.46E-79	0.207157	6.37E-06	0.206314	6.96E-06	0.122552	0.00802	0.308057	1.01E-11
2.41E-14	0.04855	0.29511	0.475486	1.02E-27	0.382043	1.12E-17	0.440147	1.50E-23
8.49E-10	0.226484	7.59E-07	0.340322	3.98E-14	0.210246	4.59E-06	0.366949	2.48E-16
2.22E-08	0.120436	0.00918	0.157562	0.00063	0.170714	0.00021	0.255449	2.16E-08
9.62E-10	0.10201	0.0275	0.159702	0.00053	-0.01803	0.69757	0.092919	0.04475
8.42E-07	0.094563	0.04109	0.208958	5.27E-06	0.268817	3.58E-09	0.378446	2.38E-17
3.19E-23	-0.01548	0.73861	-0.03273	0.48047	-0.11544	0.01255	-0.03624	0.4346
9.25E-19	-0.05182	0.26377	-0.01416	0.7602	0.077197	0.09566	0.045951	0.32175
1.23E-08	0.122137	0.00824	0.131555	0.0044	0.070982	0.12558	0.1951	2.18E-05
4.60E-14	0.083483	0.07148	-0.00479	0.91782	-0.08437	0.0685	-0.002	0.96558
4.56E-22	0.187307	4.64E-05	0.210641	4.40E-06	0.148404	0.0013	0.307424	1.11E-11
2.50E-08	-0.00794	0.86414	-0.08869	0.05546	-0.0137	0.76777	-0.01217	0.79311
0.0013	0.001112	0.98088	-0.00233	0.96	0.07558	0.10284	0.032867	0.47861
0.00053	-0.05502	0.23537	-0.32847	3.28E-13	-0.20262	1.02E-05	-0.2428	1.08E-07
2.26E-47	0.200385	1.28E-05	0.124814	0.00692	0.121003	0.00886	0.327118	4.15E-13
4.77E-15	0.120811	0.00897	0.18059	8.69E-05	0.09839	0.03353	0.167492	0.00028
1.57E-05	0.253381	2.83E-08	0.196338	1.93E-05	0.24098	1.35E-07	0.455833	2.44E-25
8.28E-10	-0.01378	0.76641	0.161444	0.00046	0.222558	1.19E-06	0.226379	7.68E-07
2.16E-10	0.171215	0.0002	0.150137	0.00114	0.190157	3.53E-05	0.285004	3.54E-10
8.24E-23	-0.0261	0.57371	-0.09028	0.0512	-0.07785	0.09289	-0.12862	0.00538
1.27E-18	0.044767	0.33439	0.426003	5.18E-22	0.27515	1.47E-09	0.362675	5.79E-16
1.01E-14	0.123945	0.00733	0.188408	4.18E-05	0.058949	0.20352	0.247316	6.14E-08
4.68E-15	0.131694	0.00436	0.195722	2.05E-05	0.07751	0.09432	0.136181	0.00319
6.85E-10	0.207523	6.13E-06	0.370084	1.32E-16	0.293099	1.05E-10	0.389171	2.45E-18
2.43E-22	0.128711	0.00534	0.160421	0.0005	0.131554	0.0044	0.248013	5.63E-08
4.82E-06	-0.0385	0.40649	0.236467	2.34E-07	0.202849	9.97E-06	0.092251	0.04632
2.58E-31	0.08837	0.05635	0.120352	0.00923	-0.12371	0.00744	0.08714	0.05988
6.10E-11	0.005141	0.91178	-0.17248	0.00018	0.010601	0.81928	-0.01436	0.75695
5.64E-21	0.057031	0.21864	-0.09777	0.03467	0.054871	0.23662	0.00712	0.87803
1.70E-15	-0.14577	0.00159	-0.28224	5.31E-10	-0.24468	8.55E-08	-0.34759	1.04E-14

8.83E-09	-0.05996	0.19586	-0.19684	1.83E-05	-0.11779	0.01085	-0.1709	0.00021
1.11E-48	0.033448	0.47086	0.035583	0.443	-0.104	0.02461	-0.05813	0.20986
2.61E-37	0.144677	0.00172	0.239604	1.60E-07	0.088677	0.0555	0.250063	4.33E-08
1.40E-40	-0.18651	5.01E-05	-0.10916	0.01829	-0.08207	0.07643	-0.28296	4.78E-10
6.41E-22	-0.19877	1.51E-05	-0.25607	1.99E-08	-0.2074	6.21E-06	-0.30203	2.63E-11
3.69E-23	0.193214	2.62E-05	0.369159	1.59E-16	0.166673	0.0003	0.338012	6.05E-14
4.27E-16	-0.02489	0.59159	-0.27066	2.77E-09	-0.16877	0.00025	-0.18095	8.41E-05
7.62E-05	0.20438	8.51E-06	0.270368	2.89E-09	0.26868	3.65E-09	0.389514	2.28E-18
1.15E-28	-0.00754	0.87084	0.194785	2.25E-05	-0.03774	0.41583	0.026034	0.57467
5.36E-40	-0.02569	0.57974	-0.14228	0.00206	0.010972	0.81306	-0.04384	0.34455
5.76E-08	-0.06456	0.16367	-0.26042	1.12E-08	-0.14348	0.00188	-0.16238	0.00043
5.38E-27	0.091237	0.04878	-0.01999	0.66652	-0.10035	0.03014	0.059345	0.20049
1.89E-31	0.111569	0.01586	0.278348	9.33E-10	0.324212	6.85E-13	0.45898	1.04E-25
3.12E-29	0.137185	0.00297	0.295207	7.62E-11	0.114808	0.01304	0.272194	2.24E-09
1.93E-41	0.134547	0.00358	0.167559	0.00028	-0.04291	0.35485	0.111532	0.0159
2.79E-47	0.223107	1.12E-06	0.341072	3.47E-14	0.274579	1.60E-09	0.453792	4.22E-25
3.15E-25	0.113682	0.01397	0.23968	1.59E-07	0.20893	5.28E-06	0.303293	2.16E-11
4.81E-44	0.118815	0.01017	0.245814	7.42E-08	0.099332	0.03186	0.199568	1.39E-05
2.13E-17	0.133141	0.00395	0.11988	0.00951	0.003035	0.94785	0.11834	0.01048
2.57E-31	0.151771	0.001	0.265827	5.40E-09	0.083971	0.06984	0.287982	2.28E-10
3.38E-10	-0.07158	0.1224	0.175873	0.00013	-0.04984	0.28245	-0.00638	0.8906
5.30E-09	0.109068	0.01839	0.152031	0.00098	0.03672	0.42855	0.118329	0.01049
0.00033	0.28438	3.88E-10	0.252156	3.31E-08	0.225948	8.07E-07	0.359749	1.03E-15
1.11E-14	-0.08571	0.06421	-0.14239	0.00204	-0.02798	0.54635	-0.11306	0.0145
7.95E-27	0.136077	0.00321	0.135167	0.00343	0.053798	0.24593	0.167926	0.00027
5.84E-19	0.110551	0.01685	0.195945	2.00E-05	0.024229	0.60149	0.189506	3.76E-05
4.52E-13	0.125591	0.00658	0.182916	7.01E-05	0.151497	0.00102	0.250679	4.01E-08
9.26E-06	0.348496	8.81E-15	0.304482	1.79E-11	0.192557	2.80E-05	0.348118	9.46E-15
3.10E-32	0.24625	7.03E-08	0.283088	4.69E-10	0.217697	2.04E-06	0.41639	5.22E-21
2.07E-28	0.170343	0.00022	0.099341	0.03185	0.104145	0.02441	0.204076	8.78E-06
9.03E-73	0.117629	0.01096	0.139523	0.00251	-0.00963	0.83551	0.112045	0.01542
3.47E-11	0.163113	0.0004	0.275851	1.33E-09	0.12691	0.00603	0.309938	7.42E-12
2.86E-47	0.091573	0.04796	0.099764	0.03112	-0.07872	0.08929	0.031456	0.49769
1.70E-15	0.18616	5.17E-05	0.110199	0.0172	-0.0149	0.74816	0.167003	0.00029
1.41E-19	0.072568	0.11733	0.028331	0.54138	-0.0859	0.06364	0.098533	0.03327
1.44E-11	0.094357	0.04153	0.092386	0.046	0.007409	0.87313	0.101221	0.02873
3.46E-18	-0.02819	0.54342	0.027153	0.55833	-0.14426	0.00177	-0.10241	0.0269
6.65E-31	0.061828	0.18226	0.084317	0.06869	-0.03306	0.47606	0.109323	0.01812
1.55E-15	0.030207	0.51492	0.031818	0.49276	-0.1632	0.0004	-0.01361	0.76934
1.36E-26	0.257722	1.60E-08	0.371972	9.01E-17	0.279871	7.49E-10	0.467102	1.10E-26
1.43E-05	0.292701	1.12E-10	0.26776	4.14E-09	0.174712	0.00015	0.3515	5.01E-15
3.79E-34	-0.00421	0.92771	0.057133	0.21782	-0.2266	7.48E-07	-0.11712	0.01131
2.11E-27	0.300594	3.30E-11	0.192201	2.90E-05	0.246202	7.07E-08	0.48713	3.35E-29
1.58E-10	-0.04966	0.28421	0.016482	0.7224	-0.19538	2.12E-05	-0.09147	0.04821
3.10E-20	0.16739	0.00028	0.009805	0.83263	-0.14919	0.00122	-0.00899	0.84638

2.07E-11	0.05584	0.22843	-0.00165	0.97158	-0.02654	0.56724	0.052581	0.25679
4.06E-12	0.029312	0.52747	0.120554	0.00911	-0.09274	0.04517	0.056038	0.22678
2.62E-38	0.130294	0.0048	0.178525	0.0001	0.035573	0.44313	0.169556	0.00023
1.23E-47	0.116747	0.01158	-0.02607	0.57415	-0.05205	0.26163	0.078613	0.08971
3.40E-07	0.000705	0.98788	-0.11061	0.01679	-0.22783	6.50E-07	-0.12943	0.00509
1.66E-17	0.093525	0.04337	0.327352	3.99E-13	0.14663	0.00149	0.291664	1.31E-10
3.40E-17	0.109985	0.01742	0.061545	0.18428	-0.03936	0.39605	0.102689	0.02648
1.50E-12	-0.12525	0.00673	-0.22212	1.25E-06	-0.20044	1.28E-05	-0.24181	1.22E-07
1.17E-14	0.013352	0.77351	0.217987	1.98E-06	-0.07804	0.0921	-0.0011	0.98107
6.93E-33	0.173303	0.00017	0.132402	0.00415	0.025351	0.58475	0.218818	1.81E-06
1.78E-12	0.170368	0.00022	-0.02598	0.57542	0.137771	0.00285	0.177883	0.00011
0.10093	-0.00219	0.96236	-0.19892	1.49E-05	-0.09129	0.04866	-0.11708	0.01134
0.06405	0.245957	7.29E-08	0.174066	0.00016	0.394002	8.58E-19	0.474458	1.37E-27
0.09595	0.063071	0.17361	-0.00113	0.98062	0.065828	0.15552	0.050724	0.27399
0.7822	0.025312	0.58532	-0.06093	0.18871	-0.12707	0.00596	-0.04442	0.33819
3.88E-12	0.066556	0.15099	-0.03102	0.50366	0.006272	0.89247	0.027834	0.54851
0.24051	0.037232	0.42214	-0.09213	0.04662	-0.05574	0.2293	-0.07544	0.10347
0.00079	0.11368	0.01397	-0.03878	0.40305	-0.02812	0.54446	0.02896	0.53244
8.16E-06	0.159142	0.00056	-0.04446	0.33772	0.131754	0.00434	0.124328	0.00715
7.21E-05	0.13153	0.00441	0.175622	0.00014	0.191981	2.96E-05	0.295651	7.11E-11
3.90E-12	0.080837	0.08097	0.023151	0.61776	0.027745	0.54979	0.091523	0.04808
0.87566	-0.00555	0.90485	-0.06587	0.15529	-0.06946	0.13391	-0.07922	0.08726
0.09271	0.101735	0.02793	-0.1554	0.00075	-0.07697	0.09664	-0.01159	0.80278
0.6643	0.092881	0.04484	0.099082	0.0323	0.13283	0.00403	0.146972	0.00145
0.18819	0.131075	0.00455	-0.12218	0.00821	-0.01985	0.66881	0.095222	0.03969
0.02974	0.10487	0.02342	-0.15373	0.00086	-0.03258	0.48248	-0.01283	0.78212
5.60E-20	0.093244	0.04401	-0.00067	0.98852	0.050875	0.27256	0.060613	0.19103
0.17109	0.073357	0.11339	-0.01354	0.77035	0.031849	0.49234	0.032697	0.48088
0.74003	0.104544	0.02386	-0.06493	0.16122	-0.06617	0.15337	0.024518	0.59716
0.06102	0.026983	0.5608	0.060703	0.19036	-0.01155	0.80338	0.037597	0.4176
0.0797	0.045035	0.3315	-0.01802	0.6977	-0.01214	0.7936	0.016754	0.71802
8.72E-05	0.074267	0.10897	-0.03252	0.48331	-0.02602	0.57488	-0.01357	0.76992
0.00053	0.115509	0.01249	0.054883	0.23651	0.197913	1.65E-05	0.238973	1.73E-07
0.17321	0.125371	0.00667	0.183782	6.47E-05	0.086015	0.06327	0.142154	0.00207
0.23473	0.075794	0.10186	-0.08024	0.08325	0.014315	0.75768	0.028196	0.54331
1.19E-09	0.159661	0.00053	-0.01105	0.81175	0.053881	0.24519	0.151034	0.00106
6.69E-06	0.120607	0.00908	0.056111	0.22617	0.165627	0.00033	0.265577	5.58E-09
0.8702	0.020589	0.6572	-0.05308	0.25231	-0.01519	0.74333	-0.03316	0.47464
8.50E-16	0.122025	0.0083	0.29924	4.08E-11	0.339499	4.62E-14	0.352362	4.25E-15
0.00027	0.297478	5.37E-11	0.139812	0.00246	0.273437	1.88E-09	0.425358	6.06E-22
0.00196	0.071176	0.12455	-0.05488	0.23658	-0.03496	0.451	-0.01275	0.7835
0.97069	0.015194	0.74331	0.084143	0.06926	0.065477	0.15775	0.052297	0.25936
0.01721	0.030031	0.51738	-0.17134	0.0002	-0.10467	0.02369	-0.08043	0.08251
0.95352	0.065269	0.15908	-0.15225	0.00096	-0.07504	0.10534	-0.06018	0.19422
0.20191	0.072907	0.11563	-0.06678	0.14962	0.016306	0.72525	0.02833	0.5414

1.25E-07	0.246433	6.87E-08	0.116162	0.012	0.244995	8.22E-08	0.36095	8.12E-16
0.07523	0.032702	0.48082	-0.11912	0.00998	-0.09137	0.04845	-0.07692	0.09686
0.01394	0.085244	0.06569	-0.12877	0.00532	-0.01862	0.68818	0.091352	0.0485
0.00012	0.051096	0.27048	-0.01134	0.80698	-0.04159	0.36983	0.022482	0.62796
0.39275	0.063951	0.16768	-0.01693	0.71515	-0.00133	0.97713	0.009873	0.83149
0.01566	0.088296	0.05656	-0.04099	0.37686	-0.08501	0.06642	-0.04572	0.32421
0.84739	0.244739	8.49E-08	-0.16359	0.00039	-0.06033	0.19314	0.098568	0.03321
0.39766	0.20026	1.30E-05	0.062223	0.17948	0.173365	0.00017	0.319569	1.51E-12
0.15334	0.109837	0.01758	-0.03403	0.46319	0.019858	0.66863	0.027671	0.55086
0.00087	0.105879	0.02212	-0.06601	0.1544	-0.02189	0.63706	0.00151	0.97404
0.98433	0.109995	0.01741	0.111267	0.01615	0.184487	6.06E-05	0.191822	3.01E-05
1.69E-23	0.112257	0.01522	-0.05793	0.21149	0.0006	0.98968	0.020294	0.6618
0.19799	0.084048	0.06958	-0.06634	0.15234	0.031973	0.49065	0.066113	0.15374
0.00524	0.003321	0.94294	-0.05296	0.25333	-0.05579	0.22888	-0.08405	0.06958
0.7544	0.064526	0.16388	-0.04891	0.29151	-0.05136	0.26801	-0.00766	0.86889
0.42172	0.083263	0.07223	-0.06137	0.18553	-0.02369	0.60965	0.034035	0.4631
0.00014	0.076777	0.09748	0.06743	0.14569	0.060644	0.1908	0.140573	0.00233
0.10511	0.154973	0.00078	-0.02133	0.64576	0.063206	0.1727	0.168	0.00027
0.58962	0.024951	0.5907	-0.04553	0.32623	-0.0017	0.97084	-0.05889	0.20401
1.70E-07	0.069018	0.13642	0.096391	0.03732	0.087056	0.06013	0.120521	0.00913
1.14E-13	0.117081	0.01134	-0.10459	0.0238	0.007675	0.86862	0.122724	0.00793
5.86E-06	0.13664	0.00309	0.042537	0.35905	0.284275	3.94E-10	0.209201	5.13E-06
0.82782	0.015527	0.73788	-0.02353	0.61196	-0.04555	0.326	-0.04734	0.30733
0.985	0.029249	0.52836	-0.0551	0.23469	-0.0526	0.25657	-0.02951	0.52471
5.18E-07	0.126303	0.00627	-0.14187	0.00212	-0.06843	0.13978	-0.02743	0.55434
0.00996	0.126314	0.00627	-0.01117	0.80968	-0.01969	0.67125	0.008797	0.84962
0.75969	0.27202	2.29E-09	-0.15313	0.0009	-0.1021	0.02737	0.014068	0.76172
1.89E-11	0.059203	0.20157	-0.01963	0.67225	-0.0231	0.61849	0.036201	0.43512
0.38731	0.026068	0.57417	-0.10312	0.02586	-0.06401	0.16727	-0.03719	0.42262
1.29E-13	0.091185	0.04891	0.182585	7.23E-05	0.328572	3.22E-13	0.220763	1.45E-06
0.00222	0.099095	0.03227	-0.08288	0.07355	-0.03005	0.51705	0.008494	0.85475
0.48249	0.026479	0.56814	-0.04725	0.30827	-0.02525	0.58626	-0.01349	0.77121
0.00026	0.074749	0.10669	0.005471	0.90614	-0.01342	0.77243	-0.01303	0.77876
0.30057	0.024423	0.59857	-0.15684	0.00067	-0.12009	0.00939	-0.04559	0.32554
0.62353	0.092942	0.0447	0.151864	0.00099	0.084484	0.06814	0.092445	0.04586
0.27767	0.065945	0.15479	0.016587	0.72071	-0.04336	0.34979	-0.02934	0.52708
0.05745	0.074851	0.10621	0.14057	0.00233	0.014845	0.749	0.026191	0.57237
6.93E-16	0.094157	0.04197	-0.08243	0.07516	-0.06059	0.19117	-0.00972	0.83402
0.14994	0.055422	0.23193	-0.06002	0.19543	-0.01806	0.69707	-0.00011	0.99805
4.95E-06	0.194102	2.40E-05	0.051568	0.26608	0.132985	0.00399	0.220295	1.53E-06
3.69E-11	0.107361	0.02031	0.024302	0.60039	0.115706	0.01234	0.150218	0.00113
1.30E-05	0.086517	0.06174	-0.04702	0.31064	-0.01127	0.8081	0.017759	0.70188
0.00347	0.064242	0.16575	-0.1559	0.00072	-0.10016	0.03045	-0.04628	0.31831
0.11354	0.047573	0.30495	-0.09108	0.04919	-0.09139	0.0484	-0.0908	0.04989
0.00036	0.116514	0.01174	-0.00495	0.91496	0.005031	0.91366	0.078246	0.09122

0.00042	0.071804	0.12125	-0.03237	0.48533	-0.00979	0.83281	-0.0091	0.84443
1.15E-10	0.149362	0.00121	-0.09127	0.04871	-0.02758	0.55219	0.030894	0.50541
4.02E-05	0.104053	0.02453	0.010472	0.82143	0.045769	0.32368	0.100539	0.02983
0.47491	0.069482	0.13379	0.073308	0.11363	0.057577	0.21426	0.052947	0.25348
0.19398	0.033871	0.46527	0.06829	0.14061	0.00913	0.84401	0.016648	0.71972
0.19501	0.008714	0.85102	0.085335	0.0654	0.022025	0.63497	0.027898	0.54759
0.00032	0.097622	0.03494	0.068631	0.13863	0.055776	0.22896	0.115017	0.01288
0.93364	0.05875	0.20505	-0.09321	0.04409	-0.05521	0.23375	-0.02889	0.53337
1.19E-14	0.106276	0.02162	0.017244	0.71014	-0.0088	0.84963	0.044835	0.33365
0.03788	0.056598	0.22217	0.011041	0.81191	0.003808	0.93459	0.010175	0.82641
0.00097	0.073383	0.11326	-0.07464	0.10718	-0.04313	0.35233	-0.03922	0.39776
0.83669	-0.02713	0.55873	-0.04864	0.29422	-0.06948	0.13383	-0.10702	0.02071
0.65914	0.072167	0.11938	-0.00217	0.96267	-0.01865	0.68772	0.011635	0.802
0.00751	0.078256	0.09119	-0.02934	0.52708	0.051967	0.26239	-0.00409	0.92983
0.47525	0.033571	0.46923	-0.15183	0.001	-0.10348	0.02533	-0.05486	0.23671
0.71067	0.00937	0.83995	-0.07092	0.1259	-0.12004	0.00942	-0.1271	0.00595
0.2691	-9.44E-05	0.99838	-0.02244	0.6286	-0.01706	0.71305	-0.00818	0.86004
0.01754	0.044995	0.33193	-0.07144	0.12318	-0.07293	0.11552	-0.00572	0.90197
0.00082	0.185147	5.69E-05	0.122244	0.00818	0.060682	0.19052	0.181491	8.00E-05
0.05353	0.081027	0.08026	-0.05381	0.24586	-0.0019	0.96736	0.023165	0.61755
1.19E-06	0.121779	0.00843	0.0005	0.99141	-0.01265	0.78504	0.032739	0.48032
2.33E-05	0.039494	0.39448	-0.08049	0.0823	0.041367	0.37243	0.079275	0.08703
0.93355	-0.05025	0.27853	-0.02529	0.58572	-0.01869	0.68708	-0.09429	0.04168
0.55385	0.126333	0.00626	0.152882	0.00092	0.257601	1.63E-08	0.325826	5.19E-13
4.90E-09	-0.04337	0.34968	-0.25964	1.24E-08	-0.20214	1.07E-05	-0.11842	0.01043
0.00335	-0.00253	0.95648	-0.02638	0.56961	-0.07846	0.09035	-0.01823	0.69443
0.0025	-0.07217	0.11936	0.011745	0.80015	-0.07493	0.10584	-0.11244	0.01505
0.00083	0.141732	0.00214	-0.02019	0.66339	0.069364	0.13446	0.202016	1.09E-05
0.92594	0.111611	0.01582	-0.02426	0.60106	-0.13797	0.00281	0.051953	0.26252
7.96E-06	-0.11846	0.0104	-0.0881	0.05712	-0.14658	0.00149	-0.18219	7.50E-05
0.00118	0.127106	0.00595	-0.07325	0.11394	0.097923	0.03438	0.190266	3.50E-05
3.91E-21	-0.07845	0.09039	-0.11271	0.01481	-0.15255	0.00094	-0.13977	0.00247
0.00143	0.125982	0.00641	0.009157	0.84354	0.114971	0.01291	0.231329	4.32E-07
0.4327	-0.11157	0.01586	-0.125	0.00684	-0.20318	9.63E-06	-0.20309	9.72E-06
0.00309	0.022962	0.62064	-0.03564	0.44224	0.049256	0.28813	0.045789	0.32346
2.22E-10	0.033875	0.46521	-0.02334	0.61495	-0.04238	0.36083	0.037114	0.42361
0.00616	0.111275	0.01614	-0.10347	0.02535	-0.04001	0.38831	0.097299	0.03555
1.04E-12	0.119964	0.00946	-0.02086	0.65299	0.123425	0.00758	0.131796	0.00433
2.16E-13	-0.02351	0.61226	-0.05607	0.22648	-0.06295	0.17445	-0.03248	0.48383
3.50E-11	0.093203	0.0441	0.056521	0.2228	0.030165	0.51552	0.126309	0.00627
6.26E-19	0.095767	0.03857	-0.06172	0.18303	0.168966	0.00024	0.178861	0.0001
3.20E-17	-0.02576	0.57873	-0.1259	0.00645	-0.12401	0.00729	-0.13158	0.0044
2.30E-05	0.080911	0.08069	0.008965	0.84679	-0.09307	0.0444	0.039733	0.39163
0.00595	-0.07262	0.11705	-0.11584	0.01224	-0.08641	0.06207	-0.13997	0.00243
1.23E-07	0.157847	0.00062	0.041818	0.36723	0.161041	0.00048	0.267973	4.02E-09

1.49E-08	0.10198	0.02755	-0.20693	6.53E-06	-0.1513	0.00104	-0.05098	0.27159
0.06812	0.052269	0.25962	-0.15865	0.00058	-0.11084	0.01656	0.015557	0.73739
0.17163	-0.07989	0.0846	0.191022	3.25E-05	0.108453	0.01906	-0.00529	0.90921
0.90218	-0.00959	0.83619	-0.32253	9.12E-13	-0.25906	1.34E-08	-0.2169	2.23E-06
0.00029	-0.0597	0.19782	-0.15042	0.00111	0.0392	0.39801	-0.04047	0.38287
2.28E-11	0.044054	0.34215	-0.21629	2.39E-06	-0.09578	0.03854	0.00063	0.98917
6.71E-06	-0.01316	0.77663	-0.15846	0.00059	-0.06092	0.18875	-0.04688	0.31201
0.01377	-0.11722	0.01124	0.045573	0.32575	-0.0196	0.67274	-0.11352	0.01411
1.65E-07	0.043077	0.35298	0.197001	1.80E-05	0.052156	0.26066	0.052151	0.2607
4.97E-07	0.100413	0.03004	-0.06585	0.15537	0.083907	0.07005	0.106334	0.02155
7.42E-13	0.03409	0.46239	-0.2015	1.14E-05	0.062268	0.17917	0.02884	0.53414
6.67E-24	-0.0077	0.86826	-0.29122	1.40E-10	-0.27393	1.75E-09	-0.20503	7.96E-06
3.98E-06	0.115473	0.01252	0.237221	2.14E-07	0.096363	0.03737	0.045104	0.33076
0.85356	0.002732	0.95305	0.146782	0.00147	-0.1565	0.00069	-0.12268	0.00795
0.00101	0.023646	0.61027	-0.18804	4.33E-05	-0.11934	0.00984	-0.08781	0.05793
0.00293	-0.04689	0.31199	-0.16851	0.00025	-0.17155	0.0002	-0.16208	0.00044
2.95E-05	0.173918	0.00016	0.00194	0.96665	0.098629	0.0331	0.289622	1.78E-10
0.00016	-0.03407	0.46264	0.162061	0.00044	-0.04448	0.33748	-0.0899	0.05219
4.01E-12	-0.03517	0.44834	-0.23512	2.75E-07	-0.10419	0.02435	-0.1626	0.00042
1.48E-08	-0.02379	0.60805	-0.03286	0.47863	0.026412	0.56912	-0.00855	0.8538
0.80458	0.122712	0.00794	-0.08878	0.0552	-0.11902	0.01004	0.060695	0.19043
0.93061	-0.08586	0.06374	0.058658	0.20576	-0.0855	0.06489	-0.08723	0.05961
2.01E-22	-0.05894	0.20362	-0.15611	0.00071	-0.03558	0.44302	-0.1348	0.00352
1.04E-18	0.090212	0.05138	-0.05141	0.26751	0.07771	0.09347	0.107356	0.02031
2.00E-11	0.077952	0.09245	-0.12079	0.00898	-0.0493	0.28773	0.060479	0.19201
7.13E-09	0.064582	0.16352	-0.21229	3.69E-06	-0.05858	0.20634	0.006285	0.89224
1.46E-09	-0.04919	0.28876	-0.23441	3.00E-07	-0.15113	0.00105	-0.17578	0.00013
2.68E-18	-0.00307	0.94717	-0.15871	0.00058	-0.00896	0.84687	-0.08503	0.06636
2.81E-18	0.013713	0.76756	-0.21656	2.32E-06	-0.08875	0.05529	-0.07415	0.10954
3.04E-08	0.0338	0.4662	-0.24351	9.89E-08	-0.08739	0.05914	-0.05353	0.24829
7.99E-08	0.132599	0.0041	-0.0542	0.24244	0.118572	0.01033	0.216021	2.46E-06
0.72634	0.113826	0.01385	-0.09029	0.05118	-0.07042	0.12859	0.086703	0.06118
5.89E-22	-0.02094	0.65175	-0.2595	1.27E-08	-0.09758	0.03503	-0.18304	6.93E-05
4.13E-13	-0.01157	0.8031	-0.27181	2.36E-09	-0.16214	0.00044	-0.16024	0.00051
4.13E-19	-0.03099	0.50407	-0.23457	2.94E-07	-0.08641	0.06207	-0.13276	0.00405
0.35171	0.184511	6.04E-05	-0.12504	0.00682	0.0537	0.24678	0.190633	3.37E-05
0.47609	0.123293	0.00764	-0.12325	0.00767	0.038336	0.4085	0.200497	1.27E-05
0.01494	-0.10925	0.01819	-0.23645	2.35E-07	-0.22123	1.38E-06	-0.28117	6.21E-10
7.55E-09	0.060257	0.19365	-0.17792	0.00011	-0.05739	0.21574	-0.00117	0.97983
5.51E-16	-0.00423	0.92733	-0.22961	5.28E-07	-0.14295	0.00196	-0.10708	0.02064
1.28E-06	0.031911	0.4915	-0.27505	1.50E-09	-0.09677	0.03656	-0.04143	0.37169
6.96E-05	0.051904	0.26297	-0.10099	0.0291	-0.02792	0.5472	0.04068	0.38043
6.22E-18	0.007578	0.87026	-0.18595	5.28E-05	-0.01492	0.74784	-0.05113	0.27017
3.53E-11	-0.04232	0.36149	-0.26887	3.55E-09	-0.11156	0.01587	-0.13336	0.00389
5.09E-22	-0.14673	0.00147	-0.28473	3.69E-10	-0.2219	1.28E-06	-0.36972	1.42E-16



1.23E-22	-0.03784	0.41461	-0.28094	6.42E-10	-0.17307	0.00017	-0.21158	3.98E-06
1.26E-21	-0.00409	0.9297	-0.06842	0.13988	-0.03558	0.44304	-0.0444	0.33834
4.62E-05	0.068648	0.13854	-0.20436	8.53E-06	-0.10725	0.02044	-0.0004	0.99307
0.0008	0.051015	0.27125	-0.21252	3.60E-06	-0.08461	0.06772	-0.00183	0.96856
5.25E-10	0.029567	0.52388	-0.27061	2.79E-09	-0.09206	0.04678	-0.0715	0.12282
1.12E-05	0.03731	0.42117	-0.20816	5.73E-06	-0.02036	0.66075	0.009363	0.84007
5.74E-17	-0.0347	0.45442	-0.28107	6.30E-10	-0.11981	0.00956	-0.17189	0.00019
1.72E-05	0.046817	0.3127	-0.337	7.26E-14	-0.16772	0.00027	-0.08402	0.06967
5.23E-23	-0.05268	0.25591	-0.30146	2.88E-11	-0.16719	0.00028	-0.2435	9.91E-08
0.06868	0.018553	0.68923	-0.27329	1.92E-09	-0.13052	0.00473	-0.0873	0.05941
0.13241	0.044684	0.33529	-0.12316	0.00771	-0.00167	0.97133	0.056759	0.22085
9.11E-19	0.056006	0.22704	-0.15575	0.00073	0.054309	0.24146	0.005463	0.90627
4.41E-11	-0.00416	0.92856	-0.29618	6.56E-11	-0.17618	0.00013	-0.15176	0.001
2.14E-09	0.024476	0.59778	-0.24446	8.79E-08	-0.19371	2.50E-05	-0.1208	0.00897
3.36E-10	0.011083	0.8112	-0.28374	4.27E-10	-0.12932	0.00513	-0.12429	0.00716
0.81017	0.018755	0.68603	-0.15791	0.00062	-0.03159	0.49587	0.026181	0.57251
4.65E-08	0.05089	0.27242	-0.14062	0.00232	-0.03074	0.50753	0.031975	0.49062
3.10E-07	0.036501	0.43131	-0.16719	0.00028	-0.08117	0.07971	-0.00485	0.91675
2.34E-06	0.136949	0.00302	-0.11	0.01741	-0.00784	0.86583	0.161202	0.00047
1.85E-05	0.034225	0.46061	-0.20688	6.55E-06	-0.10066	0.02964	-0.0072	0.87671
0.02634	0.060013	0.19546	-0.17888	0.0001	-0.19073	3.34E-05	-0.01582	0.73311
9.50E-20	-0.00758	0.87025	-0.13556	0.00333	-0.09412	0.04206	-0.10039	0.03007
0.03318	0.105734	0.0223	-0.17964	9.49E-05	0.025779	0.57843	0.10469	0.02367
2.20E-21	-0.07355	0.11243	-0.19666	1.87E-05	-0.22309	1.12E-06	-0.25747	1.66E-08
4.78E-33	-0.04351	0.34815	-0.18968	3.70E-05	-0.05997	0.19577	-0.15894	0.00057
1.14E-27	-0.04887	0.29194	-0.29312	1.05E-10	-0.15691	0.00067	-0.2264	7.66E-07
1.94E-07	-0.02115	0.64848	-0.3378	6.29E-14	-0.15687	0.00067	-0.14198	0.0021
2.22E-20	-0.036	0.43772	-0.21143	4.05E-06	-0.08219	0.07601	-0.12728	0.00588
1.44E-07	0.055185	0.23394	-0.20193	1.10E-05	-0.11124	0.01617	-0.01601	0.73009
2.91E-10	0.062887	0.17488	-0.18187	7.73E-05	-0.00529	0.90918	0.051737	0.26451
6.70E-25	-0.04096	0.37714	-0.21132	4.09E-06	-0.10416	0.02438	-0.12124	0.00872
0.00394	0.050527	0.27586	-0.16708	0.00029	-0.04332	0.35026	0.051725	0.26462
9.18E-07	0.042086	0.36417	-0.2433	1.02E-07	-0.10553	0.02256	-0.05371	0.2467
3.54E-15	-0.03475	0.45373	-0.26599	5.28E-09	-0.17929	9.79E-05	-0.15667	0.00068
1.75E-14	-0.08574	0.06414	-0.3708	1.14E-16	-0.23171	4.13E-07	-0.27075	2.74E-09
9.79E-23	-0.11449	0.0133	-0.20188	1.10E-05	-0.26854	3.72E-09	-0.3568	1.82E-15
0.01969	0.057472	0.21509	-0.27368	1.81E-09	-0.12744	0.00582	-0.05773	0.21301
1.00E-06	0.09459	0.04103	-0.09152	0.04809	0.033285	0.47302	0.162716	0.00041
0.0007	0.012	0.79591	-0.25186	3.44E-08	-0.13785	0.00283	-0.08032	0.08294
0.00943	0.094904	0.04036	-0.16898	0.00024	-0.02191	0.63667	0.081677	0.07786
1.13E-12	-0.1583	0.0006	-0.3204	1.31E-12	-0.19542	2.11E-05	-0.31197	5.33E-12
0.04907	0.125534	0.0066	-0.22216	1.24E-06	-0.03318	0.47446	0.056673	0.22155
1.94E-06	0.111301	0.01612	-0.25462	2.41E-08	-0.07358	0.1123	0.029554	0.52406
1.98E-22	-0.07256	0.11739	-0.17908	9.98E-05	-0.10113	0.02887	-0.22354	1.06E-06
6.02E-07	-0.00145	0.97516	-0.26047	1.11E-08	-0.1485	0.00129	-0.09643	0.03724

2.44E-20	0.036103	0.43636	-0.24398	9.34E-08	-0.1544	0.00081	-0.11455	0.01325
0.08637	0.114943	0.01294	-0.07548	0.10327	0.03299	0.47696	0.180734	8.58E-05
1.21E-14	0.04506	0.33123	-0.08133	0.07913	-0.01323	0.7755	0.021032	0.65031
7.13E-22	0.014557	0.7537	-0.19239	2.84E-05	-0.12393	0.00733	-0.10791	0.01968
3.09E-12	0.023005	0.61998	-0.17622	0.00013	-0.06695	0.14856	-0.02435	0.59964
0.00774	0.007443	0.87255	-0.26541	5.71E-09	-0.19811	1.61E-05	-0.12286	0.00786
8.48E-13	0.088458	0.0561	-0.24523	7.99E-08	-0.06873	0.13808	0.007638	0.86925
7.74E-31	-0.02055	0.65778	-0.25436	2.49E-08	-0.07913	0.08763	-0.13632	0.00316
2.52E-11	-0.05263	0.25634	-0.32226	9.56E-13	-0.22732	6.89E-07	-0.26786	4.08E-09
3.29E-06	-0.00627	0.89255	-0.16428	0.00036	-0.1228	0.00789	-0.10225	0.02714
0.84344	-0.17491	0.00015	-0.07922	0.08726	-0.20334	9.48E-06	-0.30684	1.23E-11
7.74E-08	-0.16089	0.00048	0.005683	0.90252	-0.0573	0.21647	-0.24146	1.28E-07
9.76E-07	0.022179	0.6326	0.054694	0.23814	0.080213	0.08335	0.15585	0.00073
2.22E-08	0.042612	0.3582	-0.06839	0.14	-0.00885	0.84874	0.034793	0.4532
6.34E-05	0.125233	0.00673	-0.02219	0.63246	0.077099	0.09609	0.186147	5.18E-05
7.11E-05	-0.22834	6.13E-07	0.144239	0.00178	-0.10968	0.01774	-0.23989	1.55E-07
1.05E-10	0.147993	0.00134	-0.15513	0.00077	0.12091	0.00891	0.178053	0.00011
0.00759	0.044274	0.33974	0.036418	0.43237	0.184438	6.08E-05	0.148051	0.00133
3.92E-22	-0.05452	0.23967	-0.29311	1.05E-10	-0.21503	2.74E-06	-0.2784	9.27E-10
3.54E-06	0.027018	0.5603	-0.25588	2.04E-08	-0.10219	0.02723	-0.14125	0.00222
0.27413	0.000701	0.98795	-0.15825	0.0006	0.00137	0.97644	-0.03263	0.48184
2.42E-05	-0.02754	0.55271	-0.11099	0.01641	-0.03064	0.5089	-0.09874	0.03289
5.76E-07	0.075248	0.10436	-0.04797	0.30097	0.09563	0.03885	0.155577	0.00074
8.05E-22	-0.07765	0.09373	-0.24711	6.31E-08	-0.27149	2.47E-09	-0.277	1.13E-09
0.00755	0.028114	0.54449	-0.17016	0.00022	-0.06724	0.14686	0.030578	0.50979
9.43E-07	-0.10628	0.02161	-0.33088	2.15E-13	-0.32229	9.52E-13	-0.34435	1.90E-14
5.08E-05	-0.15391	0.00085	-0.27563	1.38E-09	-0.29404	9.11E-11	-0.40433	8.55E-20
4.67E-12	-0.23544	2.65E-07	-0.35283	3.89E-15	-0.37437	5.52E-17	-0.51505	5.33E-33
5.22E-18	-0.06622	0.15307	-0.09062	0.05035	-0.10248	0.0268	-0.1448	0.00171
0.70855	-0.17768	0.00011	-0.20132	1.17E-05	-0.36499	3.66E-16	-0.33513	1.01E-13
7.18E-14	-0.26723	4.45E-09	-0.32999	2.52E-13	-0.44948	1.33E-24	-0.58453	3.86E-44
3.20E-11	-0.26454	6.43E-09	-0.26834	3.82E-09	-0.43004	1.92E-22	-0.51202	1.44E-32
6.01E-09	-0.04406	0.34209	-0.21694	2.22E-06	-0.24795	5.67E-08	-0.23195	4.01E-07
3.47E-08	0.223287	1.09E-06	0.277329	1.08E-09	0.33452	1.13E-13	0.42084	1.81E-21
7.62E-12	-0.225	9.00E-07	-0.27647	1.22E-09	-0.34771	1.02E-14	-0.46379	2.77E-26
1.23E-11	-0.23601	2.48E-07	-0.22653	7.55E-07	-0.2934	1.00E-10	-0.43462	6.11E-23
2.65E-05	-0.11929	0.00987	-0.15796	0.00061	-0.2832	4.62E-10	-0.31676	2.41E-12
5.97E-15	-0.18183	7.76E-05	-0.36174	6.95E-16	-0.40585	6.05E-20	-0.44621	3.14E-24
4.76E-07	-0.08326	0.07226	-0.24734	6.12E-08	-0.24934	4.75E-08	-0.25085	3.92E-08
4.58E-09	-0.25682	1.81E-08	-0.23045	4.79E-07	-0.2694	3.30E-09	-0.414	9.18E-21
5.83E-16	-0.11747	0.01107	-0.20461	8.31E-06	-0.19943	1.41E-05	-0.25418	2.55E-08
5.07E-06	-0.2381	1.92E-07	-0.37301	7.29E-17	-0.4769	6.78E-28	-0.60527	5.19E-48
0.00071	-0.16288	0.00041	-0.34452	1.84E-14	-0.35512	2.51E-15	-0.41604	5.67E-21
7.20E-06	-0.10486	0.02344	-0.25238	3.22E-08	-0.32148	1.09E-12	-0.32924	2.87E-13
3.27E-15	-0.21994	1.59E-06	-0.12573	0.00652	-0.2012	1.18E-05	-0.35679	1.82E-15

8.58E-20	-0.24694	6.44E-08	-0.3396	4.54E-14	-0.38708	3.84E-18	-0.55077	2.12E-38
0.22679	0.181041	8.34E-05	-0.07849	0.09022	0.057303	0.21645	0.087344	0.05929
0.00011	-0.0277	0.5504	-0.1223	0.00815	-0.22544	8.56E-07	-0.1665	0.0003
9.59E-11	-0.30411	1.89E-11	-0.33667	7.70E-14	-0.39789	3.63E-19	-0.56854	2.44E-41
0.00489	-0.00567	0.90277	-0.21534	2.65E-06	-0.09887	0.03267	-0.10918	0.01827
5.53E-17	-0.10579	0.02223	-0.20434	8.55E-06	-0.27696	1.14E-09	-0.32293	8.52E-13
7.76E-14	-0.13353	0.00384	-0.14115	0.00223	-0.15089	0.00107	-0.25406	2.59E-08
0.38108	-0.06509	0.16021	-0.3398	4.38E-14	-0.24499	8.23E-08	-0.23527	2.70E-07
1.25E-11	-0.13539	0.00337	-0.15054	0.0011	-0.24936	4.74E-08	-0.35414	3.03E-15
3.05E-10	-0.11997	0.00946	-0.24833	5.40E-08	-0.26033	1.13E-08	-0.29902	4.22E-11
2.35E-15	-0.22001	1.58E-06	-0.3104	6.88E-12	-0.3775	2.90E-17	-0.52038	9.14E-34
3.77E-12	-0.07786	0.09286	-0.16297	0.00041	-0.23483	2.85E-07	-0.22909	5.62E-07
1.44E-09	-0.04231	0.36167	-0.23859	1.81E-07	-0.22652	7.56E-07	-0.18651	5.00E-05
9.05E-17	-0.22678	7.34E-07	-0.27377	1.79E-09	-0.32005	1.39E-12	-0.4443	5.16E-24
1.72E-06	-0.06068	0.19056	-0.02105	0.65008	-0.14747	0.00139	-0.18723	4.67E-05
2.07E-06	-0.11078	0.01662	-0.0761	0.10046	-0.16064	0.00049	-0.19248	2.82E-05
0.11446	-0.14314	0.00193	-0.20502	7.97E-06	-0.32575	5.26E-13	-0.3273	4.02E-13
3.18E-10	-0.21756	2.08E-06	-0.21486	2.79E-06	-0.359	1.19E-15	-0.39391	8.76E-19
0.01129	-0.02966	0.52263	-0.10658	0.02124	-0.17878	0.0001	-0.14495	0.00169
6.10E-23	-0.01828	0.69357	-0.14786	0.00135	-0.0492	0.28865	-0.06795	0.14259
2.53E-11	-0.22234	1.22E-06	-0.15173	0.001	-0.02509	0.58861	-0.22106	1.41E-06
5.40E-16	-0.14026	0.00238	-0.20557	7.52E-06	-0.41303	1.15E-20	-0.39026	1.94E-18
3.13E-12	-0.27851	9.12E-10	-0.37915	2.05E-17	-0.51968	1.16E-33	-0.62123	3.43E-51
0.29168	-0.22581	8.20E-07	-0.17895	0.0001	-0.35528	2.44E-15	-0.43376	7.60E-23
5.06E-09	-0.12726	0.00589	-0.12583	0.00647	-0.28522	3.43E-10	-0.25972	1.23E-08
1.05E-06	-0.12262	0.00798	-0.24418	9.11E-08	-0.16688	0.00029	-0.28206	5.45E-10
0.69101	-0.04472	0.33493	-0.19191	2.98E-05	-0.3257	5.31E-13	-0.21867	1.84E-06
2.22E-13	-0.09305	0.04446	-0.36199	6.62E-16	-0.28884	2.00E-10	-0.3222	9.66E-13
0.00105	-0.13856	0.00269	-0.19304	2.67E-05	-0.30617	1.36E-11	-0.37007	1.32E-16
5.41E-25	-0.20796	5.85E-06	-0.27124	2.55E-09	-0.38499	6.01E-18	-0.46437	2.36E-26
1.16E-15	-0.11371	0.01395	-0.32989	2.56E-13	-0.45797	1.37E-25	-0.42651	4.57E-22
2.51E-07	-0.23251	3.76E-07	-0.45404	3.95E-25	-0.47701	6.58E-28	-0.57076	1.02E-41
3.90E-08	-0.1136	0.01403	-0.37496	4.90E-17	-0.35996	9.85E-16	-0.41512	7.05E-21
3.23E-26	-0.10478	0.02355	-0.24875	5.13E-08	-0.33323	1.42E-13	-0.32315	8.21E-13
1.00E-12	-0.15583	0.00073	-0.22912	5.59E-07	-0.31188	5.41E-12	-0.31123	6.01E-12
1.22E-08	-0.21285	3.47E-06	-0.343	2.44E-14	-0.42219	1.31E-21	-0.52134	6.64E-34
8.81E-13	-0.23793	1.96E-07	-0.23506	2.77E-07	-0.42529	6.16E-22	-0.54667	9.52E-38
0.00361	-0.02321	0.61691	-0.30543	1.53E-11	-0.21006	4.68E-06	-0.17434	0.00015
0.00029	-0.3393	4.79E-14	-0.3368	7.52E-14	-0.44879	1.60E-24	-0.59326	9.79E-46
1.93E-11	-0.05193	0.26273	-0.19927	1.44E-05	-0.17796	0.00011	-0.12141	0.00863
4.74E-06	-0.16308	0.0004	-0.17449	0.00015	-0.37334	6.82E-17	-0.3487	8.47E-15
7.65E-22	-0.05505	0.23506	-0.1104	0.017	-0.15857	0.00058	-0.24183	1.22E-07
9.69E-23	-0.16029	0.00051	-0.25454	2.43E-08	-0.23527	2.71E-07	-0.35863	1.28E-15
0.01101	-0.14277	0.00198	-0.23309	3.51E-07	-0.30794	1.03E-11	-0.32881	3.09E-13
0.06039	-0.21142	4.05E-06	-0.23699	2.20E-07	-0.48883	2.01E-29	-0.52115	7.09E-34

1.07E-07	-0.17324	0.00017	-0.28485	3.62E-10	-0.38649	4.36E-18	-0.49157	8.80E-30
0.01657	-0.11327	0.01432	-0.25452	2.44E-08	-0.16977	0.00023	-0.17555	0.00014
1.02E-16	-0.32999	2.51E-13	-0.21081	4.32E-06	-0.42691	4.15E-22	-0.62595	3.61E-52
2.97E-06	0.069715	0.13249	-0.27773	1.02E-09	-0.24896	4.99E-08	-0.14082	0.00229
2.70E-06	-0.18185	7.74E-05	-0.37271	7.75E-17	-0.47119	3.48E-27	-0.51368	8.37E-33
1.92E-10	-0.25298	2.98E-08	-0.18137	8.09E-05	-0.26274	8.20E-09	-0.39747	3.99E-19
9.96E-05	0.0685	0.13939	-0.0962	0.03769	-0.1464	0.00151	-0.06918	0.13551
0.42499	-0.01985	0.66868	-0.11911	0.00999	-0.18997	3.60E-05	-0.14495	0.00169
0.06692	-0.00905	0.84533	-0.05521	0.23376	-0.18831	4.22E-05	-0.13519	0.00342
0.52641	0.052494	0.25757	-0.13864	0.00268	-0.12235	0.00812	-0.03198	0.4905
3.16E-13	-0.35875	1.25E-15	-0.29805	4.91E-11	-0.44046	1.39E-23	-0.64332	6.59E-56
1.16E-09	-0.09285	0.04492	-0.11378	0.01389	-0.30614	1.37E-11	-0.31695	2.34E-12
1.48E-12	-0.23316	3.48E-07	-0.16726	0.00028	-0.33928	4.81E-14	-0.45845	1.20E-25
2.63E-26	-0.09343	0.04359	-0.20651	6.82E-06	-0.11733	0.01117	-0.22512	8.87E-07
0.66586	-0.19008	3.56E-05	-0.17734	0.00012	-0.39171	1.42E-18	-0.44289	7.43E-24
9.63E-05	-0.11687	0.01149	-0.09208	0.04673	-0.2064	6.89E-06	-0.25911	1.33E-08
0.12161	0.034809	0.45299	-0.04919	0.28882	-0.10814	0.01942	-0.01598	0.73054
0.07909	0.144359	0.00176	-0.02173	0.63948	-0.00763	0.86936	0.142551	0.00201
0.5443	0.053481	0.24872	-0.07081	0.1265	-0.15628	0.0007	0.004782	0.9179
0.56616	-0.07114	0.12474	-0.14687	0.00146	-0.25079	3.95E-08	-0.17439	0.00015
2.22E-15	-0.12545	0.00664	-0.22417	9.89E-07	-0.20385	8.99E-06	-0.29862	4.49E-11
1.50E-16	-0.20632	6.95E-06	-0.16478	0.00035	-0.11989	0.00951	-0.27784	1.00E-09
5.78E-24	-0.2327	3.67E-07	-0.24337	1.01E-07	-0.31292	4.56E-12	-0.49588	2.36E-30
4.39E-12	-0.20464	8.28E-06	-0.21303	3.41E-06	-0.24598	7.27E-08	-0.3106	6.67E-12
8.65E-18	-0.25723	1.71E-08	-0.28855	2.09E-10	-0.35311	3.69E-15	-0.57221	5.74E-42
3.98E-11	-0.20186	1.10E-05	-0.1955	2.09E-05	-0.3243	6.74E-13	-0.37961	1.87E-17
7.48E-09	-0.21669	2.29E-06	-0.06518	0.15964	-0.17356	0.00016	-0.33852	5.52E-14
0.00195	-0.14969	0.00118	-0.10158	0.02816	-0.19178	3.02E-05	-0.2961	6.64E-11
5.78E-17	-0.28327	4.57E-10	-0.3258	5.21E-13	-0.36921	1.58E-16	-0.53384	9.25E-36
5.49E-19	-0.21204	3.79E-06	-0.23008	5.00E-07	-0.31441	3.57E-12	-0.44435	5.09E-24
1.54E-15	-0.14572	0.00159	-0.09229	0.04623	-0.2348	2.86E-07	-0.27207	2.27E-09
8.39E-11	-0.12086	0.00894	-0.0997	0.03123	-0.21292	3.45E-06	-0.27094	2.67E-09
1.76E-06	-0.24914	4.88E-08	-0.34232	2.77E-14	-0.413	1.16E-20	-0.53173	1.93E-35
4.89E-06	-0.17665	0.00012	-0.11995	0.00947	-0.14482	0.0017	-0.39221	1.27E-18
4.17E-09	-0.1873	4.64E-05	-0.08989	0.05224	-0.2178	2.02E-06	-0.31622	2.64E-12
3.57E-09	-0.15644	0.00069	-0.30276	2.35E-11	-0.43783	2.72E-23	-0.46899	6.49E-27
7.53E-12	-0.11514	0.01278	-0.22334	1.09E-06	-0.15737	0.00064	-0.28508	3.50E-10
1.49E-15	-0.11157	0.01586	-0.11118	0.01623	-0.06288	0.1749	-0.19988	1.35E-05
8.88E-15	-0.10438	0.02408	-0.20398	8.87E-06	-0.176	0.00013	-0.24641	6.89E-08
1.71E-06	-0.33896	5.10E-14	-0.34075	3.68E-14	-0.51098	2.01E-32	-0.68296	2.01E-65
1.34E-11	-0.16782	0.00027	-0.21692	2.23E-06	-0.34916	7.78E-15	-0.35995	9.87E-16
3.09E-33	-0.30436	1.82E-11	-0.10185	0.02775	-0.2613	9.96E-09	-0.42922	2.35E-22
2.85E-08	-0.21806	1.97E-06	-0.38789	3.23E-18	-0.26307	7.85E-09	-0.40316	1.11E-19
0.00032	-0.19422	2.38E-05	-0.29724	5.57E-11	-0.40903	2.91E-20	-0.46026	7.32E-26
1.44E-12	-0.17252	0.00018	-0.33614	8.47E-14	-0.29816	4.83E-11	-0.46959	5.47E-27

1.27E-20	-0.17934	9.75E-05	-0.39951	2.53E-19	-0.39107	1.63E-18	-0.52119	6.99E-34
1.90E-06	0.024629	0.5955	-0.26484	6.17E-09	-0.18237	7.38E-05	-0.17864	0.0001
2.67E-17	-0.08966	0.05283	-0.37517	4.69E-17	-0.29748	5.37E-11	-0.41648	5.11E-21
2.71E-08	-0.2727	2.08E-09	-0.30791	1.03E-11	-0.41606	5.65E-21	-0.54125	6.76E-37
0.03654	-0.10267	0.02651	-0.24467	8.57E-08	-0.30909	8.52E-12	-0.35295	3.80E-15
5.73E-18	-0.18744	4.58E-05	-0.38359	8.10E-18	-0.27472	1.57E-09	-0.40205	1.43E-19
2.18E-11	-0.2949	7.99E-11	-0.34428	1.93E-14	-0.36432	4.18E-16	-0.59188	1.77E-45
2.45E-09	-0.17407	0.00016	-0.23932	1.66E-07	-0.34914	7.80E-15	-0.477	6.58E-28
4.42E-14	-0.19348	2.56E-05	-0.31363	4.06E-12	-0.36331	5.11E-16	-0.49526	2.86E-30
9.29E-08	-0.12089	0.00892	-0.31226	5.08E-12	-0.40386	9.52E-20	-0.35386	3.20E-15
1.64E-17	-0.02481	0.59276	-0.1158	0.01228	-0.06674	0.14986	-0.11981	0.00956
4.58E-21	-0.25888	1.37E-08	-0.31334	4.25E-12	-0.39992	2.31E-19	-0.50391	1.92E-31
8.07E-16	-0.13386	0.00375	-0.17847	0.00011	-0.09517	0.0398	-0.22729	6.91E-07
0.00053	-0.1654	0.00033	-0.25472	2.38E-08	-0.36595	3.03E-16	-0.41219	1.40E-20
2.45E-18	-0.13625	0.00318	-0.23758	2.05E-07	-0.20803	5.81E-06	-0.343	2.44E-14
6.11E-21	-0.26323	7.68E-09	-0.26235	8.65E-09	-0.25469	2.39E-08	-0.43628	4.03E-23
6.58E-18	-0.16592	0.00032	-0.23209	3.95E-07	-0.29685	5.91E-11	-0.39696	4.47E-19
1.01E-15	-0.20172	1.12E-05	-0.21127	4.12E-06	-0.16592	0.00032	-0.36264	5.83E-16
6.93E-11	-0.35576	2.22E-15	-0.29264	1.13E-10	-0.47529	1.08E-27	-0.61342	1.30E-49
1.53E-18	-0.25671	1.83E-08	-0.12445	0.00709	-0.16914	0.00024	-0.40931	2.73E-20
2.20E-17	-0.19874	1.51E-05	-0.19096	3.27E-05	-0.24463	8.61E-08	-0.3899	2.09E-18
6.35E-23	-0.17748	0.00012	-0.33417	1.20E-13	-0.2441	9.19E-08	-0.35605	2.10E-15
3.89E-09	-0.10717	0.02053	-0.28088	6.48E-10	-0.19858	1.54E-05	-0.29525	7.57E-11
5.73E-20	-0.20696	6.50E-06	-0.39956	2.50E-19	-0.30148	2.87E-11	-0.43789	2.68E-23
1.69E-07	-0.20709	6.42E-06	-0.36703	2.44E-16	-0.36057	8.75E-16	-0.43366	7.77E-23
4.07E-05	-0.18489	5.83E-05	-0.27702	1.13E-09	-0.26289	8.04E-09	-0.3503	6.27E-15
2.02E-24	-0.15892	0.00057	-0.1687	0.00025	-0.17298	0.00017	-0.32206	9.90E-13
2.50E-12	-0.26761	4.22E-09	-0.28903	1.94E-10	-0.33469	1.10E-13	-0.48879	2.04E-29
2.49E-33	-0.13775	0.00285	-0.20718	6.35E-06	-0.18875	4.04E-05	-0.34887	8.22E-15
3.62E-28	-0.15169	0.00101	-0.2454	7.82E-08	-0.30329	2.16E-11	-0.39358	9.41E-19
3.89E-22	-0.25877	1.39E-08	-0.28846	2.12E-10	-0.33125	2.02E-13	-0.50011	6.36E-31
1.92E-29	-0.2199	1.60E-06	-0.30939	8.11E-12	-0.25092	3.88E-08	-0.40448	8.27E-20
3.53E-07	-0.22259	1.18E-06	-0.22364	1.05E-06	-0.30035	3.43E-11	-0.41339	1.06E-20
9.50E-19	-0.19932	1.43E-05	-0.39395	8.68E-19	-0.40791	3.77E-20	-0.50071	5.27E-31
1.83E-19	-0.1983	1.58E-05	-0.40231	1.35E-19	-0.38975	2.16E-18	-0.49551	2.64E-30
5.50E-29	-0.2407	1.40E-07	-0.34261	2.62E-14	-0.3495	7.30E-15	-0.53432	7.83E-36
0.0002	-0.19298	2.68E-05	-0.29199	1.24E-10	-0.37085	1.13E-16	-0.43528	5.18E-23
1.75E-05	-0.20526	7.77E-06	-0.21317	3.35E-06	-0.39659	4.85E-19	-0.52105	7.32E-34
2.35E-09	-0.18297	6.98E-05	-0.34344	2.25E-14	-0.18989	3.62E-05	-0.3357	9.15E-14
1.55E-08	-0.0994	0.03175	-0.15162	0.00101	-0.18324	6.80E-05	-0.18163	7.90E-05
2.12E-15	-0.0284	0.54041	-0.12629	0.00628	-0.11672	0.01159	-0.14864	0.00128
5.10E-30	-0.19995	1.34E-05	-0.27803	9.78E-10	-0.18148	8.01E-05	-0.34272	2.57E-14
1.01E-18	-0.1911	3.22E-05	-0.41157	1.62E-20	-0.35928	1.13E-15	-0.45352	4.53E-25
9.27E-13	-0.15725	0.00065	-0.25004	4.35E-08	-0.2408	1.38E-07	-0.39381	8.94E-19
2.16E-31	-0.15046	0.00111	-0.32305	8.36E-13	-0.33198	1.77E-13	-0.44153	1.06E-23

1.01E-18	-0.13627	0.00317	-0.15898	0.00056	-0.13975	0.00247	-0.26616	5.16E-09
1.66E-18	-0.10914	0.01832	-0.34813	9.44E-15	-0.2528	3.05E-08	-0.33866	5.38E-14
3.62E-32	-0.18356	6.60E-05	-0.23255	3.74E-07	-0.24911	4.89E-08	-0.4008	1.90E-19
3.89E-19	-0.15833	0.00059	-0.29244	1.16E-10	-0.35153	4.98E-15	-0.40338	1.06E-19
1.66E-13	-0.19257	2.79E-05	-0.27525	1.45E-09	-0.26304	7.88E-09	-0.40375	9.76E-20
2.58E-18	-0.31008	7.26E-12	-0.26776	4.14E-09	-0.45081	9.34E-25	-0.61402	9.83E-50
6.18E-17	0.268139	3.93E-09	0.291859	1.27E-10	0.305121	1.61E-11	0.547939	6.00E-38
9.21E-13	-0.24414	9.15E-08	-0.27719	1.10E-09	-0.35467	2.74E-15	-0.4739	1.61E-27
1.53E-09	-0.11668	0.01162	-0.36769	2.14E-16	-0.28371	4.28E-10	-0.37365	6.40E-17
1.91E-08	-0.30046	3.37E-11	-0.27589	1.33E-09	-0.3694	1.52E-16	-0.56038	5.75E-40
6.00E-20	-0.22066	1.47E-06	-0.34169	3.10E-14	-0.35566	2.26E-15	-0.43616	4.15E-23
4.60E-06	-0.19931	1.43E-05	-0.25539	2.18E-08	-0.30521	1.59E-11	-0.45337	4.72E-25
1.77E-22	-0.19773	1.68E-05	-0.12883	0.0053	-0.27444	1.63E-09	-0.38801	3.15E-18
1.13E-13	-0.14731	0.00141	-0.28322	4.61E-10	-0.26426	6.68E-09	-0.37305	7.23E-17
1.46E-32	-0.23583	2.53E-07	-0.28598	3.07E-10	-0.30108	3.06E-11	-0.45801	1.35E-25
1.30E-12	-0.18928	3.84E-05	-0.27311	1.97E-09	-0.3381	5.96E-14	-0.4633	3.17E-26
2.12E-20	-0.38834	2.93E-18	-0.30695	1.20E-11	-0.45628	2.16E-25	-0.65766	3.50E-59
1.39E-15	-0.2933	1.02E-10	-0.25607	1.99E-08	-0.40055	2.01E-19	-0.58422	4.40E-44
8.54E-13	-0.24539	7.83E-08	-0.15167	0.00101	-0.25854	1.44E-08	-0.45017	1.11E-24
6.65E-24	-0.18269	7.16E-05	-0.29327	1.02E-10	-0.26902	3.48E-09	-0.36122	7.70E-16
2.55E-26	-0.19458	2.29E-05	-0.20424	8.63E-06	-0.19689	1.82E-05	-0.32181	1.03E-12
7.55E-12	-0.15198	0.00099	-0.17637	0.00013	-0.31043	6.85E-12	-0.35886	1.22E-15
9.52E-19	-0.26893	3.52E-09	-0.24595	7.30E-08	-0.32242	9.30E-13	-0.46644	1.32E-26
8.81E-15	-0.10727	0.02042	-0.19342	2.57E-05	-0.22948	5.36E-07	-0.29429	8.76E-11
8.65E-14	-0.17401	0.00016	-0.1986	1.54E-05	-0.25503	2.28E-08	-0.39889	2.91E-19
1.67E-17	-0.01892	0.68335	-0.23376	3.24E-07	-0.16012	0.00051	-0.19679	1.84E-05
6.55E-15	-0.26497	6.07E-09	-0.17292	0.00017	-0.30025	3.48E-11	-0.48597	4.73E-29
3.35E-10	-0.20381	9.03E-06	-0.27488	1.53E-09	-0.34979	6.91E-15	-0.47718	6.26E-28
8.38E-17	-0.2174	2.11E-06	-0.32327	8.05E-13	-0.339	5.06E-14	-0.47677	7.04E-28
3.64E-18	-0.2387	1.79E-07	-0.33681	7.52E-14	-0.35181	4.72E-15	-0.48047	2.40E-28
1.12E-17	-0.18421	6.22E-05	-0.33146	1.94E-13	-0.4159	5.87E-21	-0.5046	1.55E-31
1.25E-09	-0.15929	0.00055	-0.32897	3.01E-13	-0.39642	5.03E-19	-0.43839	2.35E-23
4.12E-31	-0.18145	8.03E-05	-0.21312	3.37E-06	-0.17717	0.00012	-0.33727	6.92E-14
1.03E-07	-0.22284	1.15E-06	-0.08157	0.07823	-0.24086	1.37E-07	-0.40398	9.26E-20
3.67E-34	-0.17719	0.00012	-0.27175	2.38E-09	-0.24941	4.71E-08	-0.40861	3.21E-20
0.08155	-0.23327	3.43E-07	-0.31654	2.51E-12	-0.3175	2.14E-12	-0.48512	6.10E-29
1.55E-14	-0.0624	0.17822	-0.18094	8.42E-05	-0.19312	2.65E-05	-0.24693	6.45E-08
6.14E-08	-0.31739	2.17E-12	-0.3982	3.39E-19	-0.48429	7.79E-29	-0.68623	2.82E-66
8.57E-23	-0.33062	2.25E-13	-0.37374	6.29E-17	-0.46275	3.70E-26	-0.6672	1.83E-61
9.72E-16	-0.24886	5.05E-08	-0.0865	0.0618	-0.28365	4.32E-10	-0.46143	5.32E-26
8.30E-06	-0.21107	4.21E-06	-0.28494	3.57E-10	-0.46027	7.30E-26	-0.49254	6.55E-30
2.36E-19	-0.21513	2.71E-06	-0.26904	3.47E-09	-0.33566	9.23E-14	-0.49683	1.76E-30
1.96E-06	-0.08565	0.06441	-0.1943	2.36E-05	-0.21295	3.44E-06	-0.2376	2.04E-07
4.35E-28	-0.13955	0.00251	-0.30284	2.32E-11	-0.33717	7.04E-14	-0.38754	3.49E-18
2.90E-22	-0.14647	0.0015	-0.15738	0.00064	-0.17923	9.84E-05	-0.32759	3.83E-13

8.42E-17	-0.22509	8.91E-07	-0.20842	5.57E-06	-0.2929	1.08E-10	-0.46295	3.50E-26
0.05084	-0.12846	0.00543	-0.23435	3.02E-07	-0.30993	7.43E-12	-0.28127	6.12E-10
5.64E-22	-0.17831	0.00011	-0.22024	1.54E-06	-0.22201	1.26E-06	-0.33743	6.72E-14
1.90E-19	-0.2013	1.17E-05	-0.18646	5.03E-05	-0.25039	4.16E-08	-0.38286	9.44E-18
1.13E-16	-0.28458	3.77E-10	-0.27069	2.76E-09	-0.28023	7.12E-10	-0.41106	1.82E-20
8.14E-24	-0.23112	4.43E-07	-0.27085	2.70E-09	-0.31244	4.93E-12	-0.44931	1.39E-24
3.66E-20	-0.23755	2.05E-07	-0.15405	0.00084	-0.16616	0.00031	-0.34944	7.38E-15
3.40E-18	-0.16604	0.00031	-0.26465	6.34E-09	-0.32332	7.98E-13	-0.40937	2.69E-20
6.31E-15	-0.20106	1.20E-05	-0.23946	1.63E-07	-0.21963	1.65E-06	-0.37335	6.81E-17
0.25826	-0.15269	0.00093	-0.25664	1.85E-08	-0.37097	1.10E-16	-0.43545	4.96E-23
8.88E-29	-0.2476	5.92E-08	-0.30769	1.07E-11	-0.36148	7.32E-16	-0.46552	1.71E-26
1.39E-24	-0.1613	0.00047	-0.26803	3.99E-09	-0.28765	2.39E-10	-0.38227	1.07E-17
6.23E-15	-0.24194	1.20E-07	-0.35036	6.21E-15	-0.32951	2.74E-13	-0.53006	3.44E-35
4.88E-14	-0.11618	0.01199	-0.17121	0.0002	-0.20114	1.19E-05	-0.30447	1.79E-11
2.94E-15	-0.24021	1.49E-07	-0.352	4.55E-15	-0.37762	2.82E-17	-0.49719	1.57E-30
4.47E-30	-0.19086	3.30E-05	-0.16176	0.00045	-0.20984	4.80E-06	-0.3802	1.65E-17
7.05E-14	-0.20992	4.75E-06	-0.21571	2.54E-06	-0.37618	3.80E-17	-0.49528	2.83E-30
1.69E-22	-0.15878	0.00057	-0.11018	0.01722	-0.1753	0.00014	-0.25575	2.08E-08
2.93E-07	-0.08829	0.05658	-0.27126	2.55E-09	-0.18072	8.59E-05	-0.22828	6.17E-07
2.00E-16	-0.1344	0.00362	-0.05274	0.25536	-0.17572	0.00014	-0.21274	3.51E-06
3.17E-09	0.053674	0.24701	-0.23759	2.04E-07	-0.15515	0.00077	-0.11338	0.01423
2.51E-13	-0.18186	7.73E-05	-0.32849	3.27E-13	-0.24604	7.22E-08	-0.30217	2.58E-11
4.97E-18	-0.18008	9.11E-05	-0.38543	5.47E-18	-0.28744	2.47E-10	-0.40227	1.36E-19
0.01733	0.014178	0.75992	-0.13267	0.00408	-0.03684	0.42708	-0.00913	0.84398
0.64627	-0.15978	0.00053	-0.18479	5.89E-05	-0.17916	9.91E-05	-0.27888	8.65E-10
0.36964	0.010851	0.81509	-0.05815	0.2097	-0.08003	0.08406	-0.03306	0.47603
0.0157	-0.0691	0.13597	0.169968	0.00022	0.011915	0.79734	-0.05167	0.26515
0.01747	-0.15304	0.00091	-0.21417	3.01E-06	-0.34294	2.47E-14	-0.30246	2.46E-11
0.96333	-0.07475	0.10667	-0.3186	1.78E-12	-0.243	1.05E-07	-0.22805	6.33E-07
0.95642	-0.05771	0.21319	-0.23306	3.52E-07	-0.22518	8.81E-07	-0.18415	6.25E-05
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7.52E-06	-0.08242	0.07519	-0.30063	3.28E-11	-0.21731	2.13E-06	-0.17393	0.00016
1.73E-09	-0.10228	0.0271	0.326482	4.63E-13	0.21631	2.38E-06	0.054515	0.23968
0.81611	-0.05777	0.21273	-0.25155	3.58E-08	-0.33385	1.27E-13	-0.24343	9.99E-08
0.29062	-0.07398	0.11035	-0.1876	4.52E-05	-0.2231	1.12E-06	-0.24163	1.25E-07
0.06327	0.045917	0.32211	-0.07609	0.10054	0.025923	0.5763	0.125223	0.00674
0.01382	-0.02143	0.64411	-0.1788	0.0001	-0.23748	2.07E-07	-0.11048	0.01692
1.04E-08	-0.00376	0.93538	-0.14018	0.0024	-0.07334	0.11348	-0.07368	0.11181
2.21E-05	0.055258	0.23332	-0.13589	0.00326	-0.1813	8.14E-05	-0.02905	0.53117
7.44E-06	-0.09938	0.03178	-0.23314	3.48E-07	-0.18231	7.42E-05	-0.1933	2.60E-05
0.15311	0.020064	0.66541	-0.09796	0.03432	-0.12667	0.00612	-0.01856	0.68907
0.00012	-0.08665	0.06135	-0.21137	4.07E-06	-0.18647	5.03E-05	-0.20839	5.59E-06
0.00126	-0.0971	0.03594	-0.17029	0.00022	-0.21441	2.93E-06	-0.23675	2.26E-07
0.22775	-0.00636	0.89094	-0.16516	0.00034	-0.13366	0.00381	-0.06943	0.13406
0.02169	0.046798	0.3129	-0.03336	0.47203	0.001305	0.97757	0.089525	0.05319

0.02231	-0.04844	0.29619	-0.30366	2.03E-11	-0.11723	0.01123	-0.11652	0.01174
0.12088	-0.14353	0.00187	-0.20531	7.72E-06	-0.30602	1.40E-11	-0.31233	5.02E-12
0.3844	0.003256	0.94405	-0.18437	6.12E-05	-0.12325	0.00767	-0.03553	0.44372
0.00656	-0.0357	0.44145	-0.16303	0.0004	-0.14888	0.00125	-0.06655	0.15103
5.72E-14	-0.01419	0.75967	-0.15171	0.00101	-0.22277	1.16E-06	-0.11998	0.00945
0.00561	-0.03915	0.39858	-0.09635	0.03739	-0.26934	3.33E-09	-0.15198	0.00099
0.02594	0.090413	0.05087	-0.08878	0.05522	-0.05331	0.25025	0.080596	0.08188
0.07842	-0.09728	0.03558	-0.102	0.02752	-0.20405	8.80E-06	-0.17524	0.00014
0.22331	-0.13718	0.00297	-0.35658	1.90E-15	-0.37742	2.94E-17	-0.34791	9.84E-15
0.30657	0.049877	0.28209	-0.13013	0.00485	-0.13467	0.00355	0.007279	0.87534
3.73E-05	-0.09295	0.04468	-0.19368	2.51E-05	-0.32164	1.06E-12	-0.25855	1.44E-08
0.00686	-0.02034	0.66105	-0.0688	0.13769	-0.06181	0.18238	-0.023	0.62013
9.94E-06	0.081816	0.07735	-0.02175	0.63913	-0.09344	0.04357	0.069441	0.13403
0.00534	0.080345	0.08284	-0.02581	0.57793	0.041714	0.36843	0.125314	0.0067
3.50E-05	-0.03218	0.48791	-0.26119	1.01E-08	-0.21527	2.67E-06	-0.19058	3.39E-05
0.00561	0.106785	0.021	-0.24184	1.22E-07	-0.24394	9.38E-08	-0.12541	0.00666
0.22822	-0.10215	0.0273	-0.31298	4.51E-12	-0.24442	8.84E-08	-0.26882	3.58E-09
0.7413	-0.13321	0.00393	-0.20146	1.15E-05	-0.26535	5.76E-09	-0.28424	3.96E-10
0.39445	-0.03999	0.38853	-0.11196	0.01549	-0.03373	0.46714	-0.12033	0.00924
4.17E-05	-0.0842	0.06908	-0.18852	4.14E-05	-0.21433	2.96E-06	-0.19642	1.91E-05
0.25865	0.004498	0.92278	-0.21912	1.75E-06	-0.2559	2.04E-08	-0.09869	0.03299
2.54E-05	0.062675	0.17634	-0.17114	0.0002	-0.09415	0.04198	0.03978	0.39106
0.05153	-0.18695	4.80E-05	-0.39225	1.26E-18	-0.31235	5.01E-12	-0.40404	9.14E-20
0.5937	-0.08316	0.07258	-0.20441	8.48E-06	-0.12592	0.00644	-0.12531	0.0067
0.00022	-0.10938	0.01805	-0.23041	4.81E-07	-0.21072	4.37E-06	-0.21373	3.16E-06
0.08993	-0.14287	0.00197	-0.28632	2.91E-10	-0.12681	0.00607	-0.2292	5.54E-07
0.00014	-0.09228	0.04626	-0.33154	1.92E-13	-0.15555	0.00074	-0.20723	6.32E-06
0.32947	0.091967	0.047	-0.14379	0.00184	-0.09657	0.03695	0.026221	0.57193
0.0309	0.007449	0.87246	0.089775	0.05253	0.017712	0.70264	-0.02139	0.64478
5.18E-05	0.036152	0.43573	-0.17755	0.00011	-0.14443	0.00175	-0.02067	0.65599
3.94E-06	-0.07613	0.10034	-0.11514	0.01278	-0.26015	1.16E-08	-0.20405	8.81E-06
0.00018	-0.08458	0.06782	-0.20004	1.33E-05	-0.29073	1.51E-10	-0.19115	3.21E-05
0.00013	0.046718	0.31373	-0.11352	0.0141	-0.01435	0.75706	0.056451	0.22337
0.11573	-0.00547	0.90611	-0.0637	0.16935	0.057571	0.21431	0.114106	0.01361
0.25965	-0.0286	0.5375	-0.21181	3.88E-06	-0.10997	0.01744	-0.07742	0.09469
0.06607	-0.12475	0.00695	-0.3023	2.52E-11	-0.29273	1.11E-10	-0.25543	2.17E-08
3.02E-13	-0.09076	0.04998	-0.16482	0.00035	-0.13466	0.00355	-0.16265	0.00042
1.66E-07	-0.07139	0.12343	-0.30279	2.33E-11	-0.23758	2.05E-07	-0.22541	8.59E-07
0.09724	-0.14125	0.00222	-0.11998	0.00945	-0.18389	6.40E-05	-0.26274	8.20E-09
0.00303	-0.07794	0.09252	-0.10962	0.0178	-0.23396	3.16E-07	-0.13381	0.00377
1.11E-07	-0.10396	0.02466	-0.2031	9.71E-06	-0.25059	4.05E-08	-0.2689	3.54E-09
0.00057	-0.01903	0.68172	-0.10581	0.0222	-0.15219	0.00097	-0.06779	0.14356
0.2312	-0.1154	0.01258	-0.15079	0.00108	-0.24596	7.29E-08	-0.28114	6.23E-10
0.00019	0.016343	0.72465	0.073195	0.11419	0.048366	0.29695	0.099062	0.03233
0.33036	-0.02119	0.64792	-0.15756	0.00063	-0.17215	0.00019	-0.06234	0.17868



0.42906	-0.1678	0.00027	-0.36592	3.04E-16	-0.35864	1.27E-15	-0.36273	5.73E-16
2.59E-06	-0.15375	0.00086	-0.32872	3.14E-13	-0.37647	3.59E-17	-0.32545	5.54E-13
0.16676	-0.08437	0.0685	-0.30772	1.06E-11	-0.26181	9.30E-09	-0.25926	1.31E-08
0.01556	-0.13104	0.00456	-0.25647	1.89E-08	-0.312	5.31E-12	-0.30635	1.32E-11
7.55E-12	0.01812	0.69613	0.163869	0.00038	0.085676	0.06433	0.040308	0.3848
0.15483	-0.00659	0.88702	-0.04476	0.33451	-0.08318	0.07253	-0.00884	0.84889
0.29071	0.097086	0.03596	-0.21867	1.84E-06	-0.09581	0.03848	0.072746	0.11643
0.70483	-0.06288	0.17493	-0.1556	0.00074	-0.15839	0.00059	-0.1309	0.0046
0.00798	-0.12335	0.00761	-0.21949	1.68E-06	-0.15245	0.00095	-0.24633	6.95E-08
0.00159	-0.03547	0.44444	-0.12046	0.00917	-0.17207	0.00019	-0.1202	0.00932
0.21776	-0.03602	0.43738	-0.15586	0.00073	-0.17751	0.00012	-0.09567	0.03877
0.84729	-0.08136	0.07902	-0.14744	0.0014	-0.17693	0.00012	-0.18365	6.55E-05
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0.02545	-0.10905	0.01841	-0.12826	0.00551	-0.23662	2.30E-07	-0.19376	2.49E-05
0.05047	0.016668	0.7194	-0.10977	0.01765	-0.02136	0.64519	0.047539	0.30529
0.00159	0.01601	0.73004	-0.1433	0.00191	-0.19366	2.51E-05	-0.09775	0.0347
0.6936	-0.10224	0.02715	-0.19101	3.25E-05	-0.20912	5.17E-06	-0.2919	1.26E-10
0.1092	-0.02502	0.58962	-0.19469	2.27E-05	-0.18264	7.20E-05	-0.12791	0.00564
0.10748	0.247795	5.78E-08	-0.06314	0.17311	0.108376	0.01915	0.245738	7.49E-08
8.70E-06	0.036218	0.43489	-0.0164	0.72378	0.077264	0.09538	0.112154	0.01532
0.00129	-0.17135	0.0002	-0.29834	4.69E-11	-0.37384	6.15E-17	-0.374	5.95E-17
0.59941	-0.02033	0.66117	-0.14309	0.00194	-0.16866	0.00025	-0.07545	0.10341
0.00697	-0.01049	0.82113	-0.30102	3.09E-11	-0.19553	2.09E-05	-0.14732	0.00141
0.13094	-0.24631	6.98E-08	-0.3206	1.27E-12	-0.40022	2.16E-19	-0.47711	6.39E-28
0.1051	0.072925	0.11554	-0.13676	0.00306	-0.1955	2.09E-05	-0.00596	0.89775
0.0266	-0.09227	0.04628	-0.09173	0.04756	-0.28476	3.67E-10	-0.21733	2.13E-06
0.02492	-0.0153	0.74165	-0.29865	4.48E-11	-0.32908	2.95E-13	-0.24991	4.42E-08
0.08598	-0.18647	5.03E-05	-0.21337	3.28E-06	-0.26576	5.45E-09	-0.31224	5.10E-12
0.88121	-0.12766	0.00573	-0.26976	3.14E-09	-0.32033	1.33E-12	-0.27146	2.48E-09
0.71294	-0.12077	0.00899	-0.18703	4.76E-05	-0.3295	2.74E-13	-0.27735	1.08E-09
4.68E-08	0.075918	0.1013	-0.16859	0.00025	-0.06397	0.16758	0.040879	0.3781
6.24E-06	-0.12149	0.00858	-0.2869	2.67E-10	-0.34604	1.39E-14	-0.34428	1.93E-14
0.2207	-0.05847	0.20719	-0.11779	0.01085	-0.10027	0.03027	-0.1166	0.01168
0.12682	-0.06551	0.15754	0.003297	0.94335	-0.13441	0.00361	-0.07219	0.11925
0.25619	-0.03878	0.40312	-0.11384	0.01384	-0.12746	0.00581	-0.05023	0.2787
0.08632	-0.04123	0.37403	-0.32151	1.09E-12	-0.13962	0.0025	-0.17147	0.0002
0.00429	-0.24087	1.37E-07	-0.34633	1.32E-14	-0.34829	9.16E-15	-0.47437	1.41E-27
0.0015	-0.0451	0.33084	-0.08001	0.08412	-0.09593	0.03824	-0.03296	0.4773
0.02961	0.166285	0.00031	0.039747	0.39146	0.017681	0.70313	0.161017	0.00048
0.00277	-0.09053	0.05057	-0.14118	0.00223	-0.20665	6.71E-06	-0.15813	0.0006
0.24222	0.00647	0.8891	0.023796	0.60799	-0.14117	0.00223	-0.05267	0.25601
0.97923	-0.08367	0.07085	-0.24019	1.49E-07	-0.29843	4.63E-11	-0.25953	1.26E-08
1.15E-07	0.057243	0.21693	-0.18333	6.75E-05	-0.16303	0.0004	-0.05794	0.21136
0.15102	-0.01831	0.69316	-0.00297	0.9489	-0.02577	0.57857	0.100555	0.0298
0.05632	-0.13438	0.00362	-0.23523	2.72E-07	-0.38123	1.33E-17	-0.29692	5.85E-11

0.4538	-0.01171	0.80068	-0.31043	6.85E-12	-0.19637	1.92E-05	-0.12413	0.00724
0.18362	-0.06876	0.1379	-0.06099	0.18831	-0.24556	7.66E-08	-0.16007	0.00052
0.86373	-0.01299	0.77948	-0.06264	0.17656	-0.16862	0.00025	-0.03054	0.51026
0.2758	-0.02179	0.63858	-0.0577	0.21332	-0.17827	0.00011	-0.06087	0.18912
0.53516	-0.08742	0.05908	-0.11218	0.01529	-0.27943	7.99E-10	-0.17968	9.45E-05
0.43116	-0.01743	0.70723	-0.05421	0.24232	-0.02224	0.63166	0.048989	0.29076
0.15009	-0.03466	0.45489	-0.27445	1.63E-09	-0.31153	5.73E-12	-0.2944	8.62E-11
0.02659	-0.11176	0.01568	-0.16654	0.0003	-0.30805	1.01E-11	-0.28358	4.37E-10
0.38319	-0.1922	2.90E-05	-0.2382	1.90E-07	-0.38764	3.41E-18	-0.38892	2.59E-18
0.04793	0.009575	0.8365	-0.26853	3.72E-09	-0.21507	2.73E-06	-0.09972	0.0312
0.00181	-0.21995	1.59E-06	-0.36038	9.08E-16	-0.42828	2.96E-22	-0.48852	2.21E-29
0.34128	-0.06051	0.1918	-0.102	0.02753	-0.14302	0.00195	-0.10648	0.02137
2.11E-07	-0.06566	0.15657	-0.17877	0.0001	-0.22425	9.80E-07	-0.14915	0.00123
0.18188	-0.10529	0.02288	-0.2371	2.17E-07	-0.18564	5.43E-05	-0.14228	0.00206
0.00498	0.018439	0.69104	-0.35801	1.44E-15	-0.30017	3.53E-11	-0.21299	3.42E-06
0.57215	0.068771	0.13783	0.023305	0.61542	0.160842	0.00048	0.237479	2.07E-07
1.34E-08	-0.00425	0.92695	-0.19199	2.96E-05	-0.23033	4.85E-07	-0.1453	0.00164
0.00164	-0.00484	0.91694	-0.28777	2.35E-10	-0.14629	0.00152	-0.13381	0.00377
0.56023	0.030237	0.51452	-0.1583	0.0006	-0.20617	7.06E-06	-0.0977	0.0348
0.02594	-0.10978	0.01764	-0.07582	0.10176	-0.20625	7.01E-06	-0.17544	0.00014
0.05314	-0.07928	0.08701	-0.29051	1.56E-10	-0.26434	6.60E-09	-0.2335	3.34E-07
0.02189	-0.0496	0.28478	-0.26635	5.02E-09	-0.32305	8.35E-13	-0.22086	1.44E-06
0.04291	0.035948	0.43833	-0.0944	0.04143	-0.06539	0.15828	0.040353	0.38427
0.80172	-0.0404	0.38367	-0.10519	0.023	-0.11408	0.01364	-0.02751	0.55321
0.12223	-0.05158	0.266	-0.1677	0.00027	-0.25272	3.08E-08	-0.15798	0.00061
4.40E-05	-0.06098	0.18832	-0.17721	0.00012	-0.20945	5.00E-06	-0.20141	1.16E-05
0.19832	-0.18813	4.29E-05	-0.26642	4.97E-09	-0.30911	8.49E-12	-0.36205	6.55E-16
0.00248	-0.11212	0.01534	0.130758	0.00465	0.062978	0.17425	-0.06528	0.15901
0.00447	-0.00914	0.84389	0.055838	0.22844	0.039711	0.39189	0.134731	0.00353
2.09E-05	0.07889	0.08859	-0.04874	0.29319	-0.08706	0.06012	0.079628	0.08563
0.09254	-0.03833	0.40854	-0.19614	1.97E-05	-0.11138	0.01604	-0.11544	0.01255
0.12332	-0.17739	0.00012	-0.21623	2.40E-06	-0.3527	3.98E-15	-0.33103	2.10E-13
5.70E-05	-0.06964	0.13293	0.134195	0.00367	0.026289	0.57092	-0.06284	0.17523
0.78333	0.032337	0.48573	-0.20682	6.60E-06	-0.162	0.00044	-0.05047	0.27643
0.04965	0.010002	0.82932	0.276699	1.18E-09	0.221973	1.27E-06	0.132303	0.00418
0.0001	-0.07464	0.10721	-0.19254	2.80E-05	-0.264	6.92E-09	-0.20435	8.54E-06
0.72929	0.000429	0.99262	-0.07241	0.11812	-0.09203	0.04685	-0.00198	0.96591
0.0003	-0.0334	0.47153	-0.17658	0.00013	-0.2617	9.44E-09	-0.14855	0.00128
0.27276	-0.05579	0.22883	-0.21742	2.11E-06	-0.19019	3.52E-05	-0.12854	0.0054
1.00E-07	-0.13846	0.00271	-0.29647	6.27E-11	-0.16453	0.00036	-0.24346	9.96E-08
0.77829	-0.03441	0.45822	-0.15574	0.00073	-0.1467	0.00148	-0.08973	0.05265
0.59538	-0.00625	0.89286	-0.21057	4.44E-06	-0.13338	0.00388	-0.05157	0.26607
0.26201	-0.08269	0.07423	-0.18895	3.97E-05	-0.20068	1.24E-05	-0.12673	0.0061
0.0636	-0.15637	0.0007	-0.21731	2.13E-06	-0.31926	1.59E-12	-0.29269	1.12E-10
0.02108	0.022347	0.63003	-0.24322	1.03E-07	-0.13692	0.00303	-0.08077	0.08122

9.60E-09	-0.15305	0.00091	-0.31534	3.06E-12	-0.29848	4.59E-11	-0.31281	4.64E-12
0.13596	-0.09941	0.03173	-0.15984	0.00053	-0.20853	5.51E-06	-0.15849	0.00059
0.15233	-0.03135	0.49918	-0.2969	5.87E-11	-0.29204	1.24E-10	-0.19382	2.47E-05
0.05793	-0.02699	0.56072	-0.17423	0.00015	-0.14958	0.00119	-0.08952	0.05321
0.11961	-0.03136	0.49901	-0.2336	3.30E-07	-0.19796	1.64E-05	-0.08215	0.07616
0.00953	0.072239	0.11901	-0.0995	0.03157	0.012016	0.79565	0.110654	0.01675
0.00101	-0.03921	0.39793	-0.15663	0.00068	-0.14509	0.00167	-0.13794	0.00281
0.15548	0.037422	0.41978	-0.10251	0.02674	-0.1055	0.02261	0.017469	0.70652
0.02487	-0.06251	0.17751	-0.24275	1.09E-07	-0.24688	6.49E-08	-0.16914	0.00024
0.00339	-0.06594	0.15483	-0.08581	0.0639	-0.22167	1.31E-06	-0.13728	0.00295
0.52136	-0.08087	0.08085	-0.1739	0.00016	-0.0879	0.05768	-0.07062	0.12752
0.00073	0.040295	0.38496	0.27987	7.50E-10	0.116952	0.01143	0.130095	0.00487
8.06E-05	-0.06266	0.17646	-0.22397	1.01E-06	-0.099	0.03244	-0.10991	0.0175
8.85E-07	-0.15198	0.00098	-0.36451	4.03E-16	-0.33113	2.06E-13	-0.36014	9.51E-16
0.52607	-0.00285	0.95104	-0.25281	3.04E-08	-0.19547	2.10E-05	-0.10764	0.01999
0.00158	-0.18234	7.40E-05	-0.2744	1.64E-09	-0.3045	1.78E-11	-0.3575	1.59E-15
1.82E-08	-0.10176	0.02788	-0.24505	8.16E-08	-0.16769	0.00027	-0.15567	0.00074
0.06238	-0.06593	0.15489	-0.30166	2.79E-11	-0.20243	1.04E-05	-0.18674	4.90E-05
2.82E-05	-0.02499	0.59012	-0.07216	0.1194	-0.02972	0.52179	-0.02079	0.65414
0.03805	0.056303	0.22458	-0.13981	0.00246	-0.09226	0.04631	0.04069	0.38031
0.45263	-0.01641	0.72357	-0.1244	0.00711	-0.21585	2.51E-06	-0.08833	0.05646
0.02395	-0.0936	0.04321	-0.37188	9.19E-17	-0.29408	9.05E-11	-0.27404	1.72E-09
0.00313	-0.09855	0.03324	-0.23078	4.61E-07	-0.35006	6.56E-15	-0.26927	3.36E-09
0.00928	-0.03594	0.4384	-0.24235	1.14E-07	-0.18447	6.07E-05	-0.12385	0.00737
0.36166	-0.08793	0.05758	-0.25726	1.70E-08	-0.34365	2.16E-14	-0.25534	2.19E-08
0.55071	-0.00447	0.92319	-0.14439	0.00176	-0.04979	0.28293	-0.05935	0.20045
0.31838	0.003799	0.93475	-0.12037	0.00922	-0.07182	0.12119	0.001096	0.98115
0.42892	0.08886	0.05499	-0.15493	0.00078	-0.06212	0.18022	0.076791	0.09743
7.14E-06	-0.11979	0.00957	-0.17771	0.00011	-0.12404	0.00728	-0.16881	0.00025
0.05307	0.096337	0.03742	-0.13092	0.0046	-0.11059	0.01681	0.061897	0.18178
0.00078	-0.07855	0.08996	-0.25122	3.74E-08	-0.27483	1.54E-09	-0.19464	2.28E-05
3.29E-07	-0.18165	7.89E-05	-0.13353	0.00384	-0.2079	5.89E-06	-0.24091	1.36E-07
0.00014	-0.17759	0.00011	-0.16262	0.00042	-0.15294	0.00091	-0.20691	6.54E-06
0.66836	-0.06412	0.16656	-0.26979	3.13E-09	-0.20311	9.70E-06	-0.19144	3.12E-05
0.11791	0.037662	0.4168	-0.10163	0.0281	-0.04155	0.37027	0.060226	0.19388
0.0124	-0.09733	0.0355	-0.12869	0.00535	-0.15611	0.00071	-0.18013	9.07E-05
2.80E-10	0.055344	0.23259	0.368312	1.89E-16	0.401577	1.59E-19	0.308462	9.43E-12
0.07592	-0.02554	0.58188	-0.14356	0.00187	-0.18707	4.75E-05	-0.07283	0.11601
0.43592	0.038499	0.40651	0.208105	5.76E-06	0.175275	0.00014	0.154336	0.00082
0.10821	-0.10905	0.01841	-0.19521	2.16E-05	-0.18241	7.35E-05	-0.1701	0.00022
1.41E-06	-0.12112	0.00879	-0.03241	0.48479	-0.13323	0.00392	-0.23915	1.69E-07
0.00019	-0.03813	0.41106	-0.15081	0.00108	-0.25646	1.89E-08	-0.18092	8.44E-05
0.0019	-0.21458	2.88E-06	-0.20016	1.31E-05	-0.21949	1.68E-06	-0.3288	3.10E-13
0.29162	-0.17957	9.54E-05	-0.21655	2.32E-06	-0.26919	3.40E-09	-0.3177	2.07E-12
0.09019	-0.13404	0.00371	-0.22003	1.58E-06	-0.22338	1.08E-06	-0.21973	1.63E-06

0.60392	0.205217	7.80E-06	0.091006	0.04936	0.102799	0.02632	0.252254	3.27E-08
3.09E-07	-0.17483	0.00015	-0.30371	2.02E-11	-0.30509	1.62E-11	-0.41225	1.38E-20
0.00672	0.001436	0.9753	-0.3273	4.02E-13	-0.24235	1.14E-07	-0.12648	0.0062
0.93733	-0.10096	0.02915	-0.17128	0.0002	-0.20352	9.30E-06	-0.16644	0.0003
0.00467	-0.00975	0.83359	-0.21278	3.50E-06	-0.16533	0.00033	-0.11072	0.01668
0.85088	-0.23518	2.73E-07	-0.22985	5.13E-07	-0.29211	1.22E-10	-0.38601	4.83E-18
0.00032	-0.18742	4.59E-05	-0.25332	2.85E-08	-0.27823	9.49E-10	-0.35078	5.73E-15
0.00126	-0.0448	0.33408	-0.06649	0.1514	-0.12818	0.00554	-0.0575	0.21487
0.00176	-0.09844	0.03343	-0.12924	0.00516	-0.22387	1.02E-06	-0.20291	9.90E-06
0.03068	-0.15829	0.0006	-0.33071	2.22E-13	-0.38528	5.65E-18	-0.3754	4.46E-17
0.21581	-0.03027	0.51408	-0.16962	0.00023	-0.08391	0.07003	-0.08282	0.07376
0.00892	-0.15131	0.00104	-0.16676	0.0003	-0.21343	3.26E-06	-0.26887	3.55E-09
0.03509	0.040322	0.38464	-0.13779	0.00285	0.020515	0.65834	0.088767	0.05525
0.64728	-0.15603	0.00072	-0.23948	1.63E-07	-0.32066	1.25E-12	-0.2987	4.44E-11
0.56497	-0.06151	0.18453	-0.16386	0.00038	-0.14559	0.00161	-0.0448	0.33399
0.03681	-0.13465	0.00355	-0.2314	4.28E-07	-0.31214	5.18E-12	-0.26899	3.49E-09
0.27458	0.039345	0.39627	-0.07829	0.09105	0.011861	0.79823	0.072383	0.11827
0.3958	-0.03513	0.4488	-0.15911	0.00056	-0.0805	0.08226	0.019439	0.67521
0.17148	-0.02678	0.56371	-0.14892	0.00125	-0.22995	5.08E-07	-0.13306	0.00397
1.04E-06	0.105361	0.02278	0.029319	0.52737	0.133178	0.00394	0.252962	2.99E-08
1.98E-12	-0.0174	0.70757	-0.15641	0.00069	-0.17979	9.35E-05	-0.08715	0.05987
0.0024	-0.08591	0.06361	-0.13571	0.0033	-0.15156	0.00102	-0.19386	2.46E-05
0.00969	0.081304	0.07923	-0.11431	0.01345	-0.10092	0.02922	0.037155	0.4231
0.67933	-0.02598	0.57543	-0.11791	0.01077	-0.12632	0.00627	-0.0021	0.96383
0.4406	-0.04456	0.33664	-0.27367	1.82E-09	-0.22771	6.59E-07	-0.1508	0.00108
0.55764	-0.02113	0.64877	-0.16249	0.00042	-0.13372	0.00379	-0.07048	0.12826
8.35E-06	0.078025	0.09215	-0.10397	0.02464	-0.06276	0.17574	0.065634	0.15675
0.00073	0.100445	0.02998	-0.05397	0.24445	0.03404	0.46304	0.190564	3.40E-05
0.39706	0.084754	0.06726	-0.03108	0.50286	0.117645	0.01095	0.17355	0.00016
0.61597	-0.06505	0.16049	-0.06617	0.15339	-0.24819	5.50E-08	-0.1921	2.92E-05
0.00203	-0.19693	1.82E-05	-0.26105	1.03E-08	-0.30373	2.01E-11	-0.39073	1.75E-18
0.00052	-0.13174	0.00435	-0.27846	9.18E-10	-0.31853	1.80E-12	-0.27858	9.02E-10
1.78E-11	-0.05784	0.21216	-0.08968	0.05278	-0.30095	3.12E-11	-0.1738	0.00016
0.22368	-0.14071	0.0023	-0.3753	4.56E-17	-0.3118	5.48E-12	-0.34884	8.27E-15
0.32584	-0.02556	0.5817	-0.08497	0.06657	-0.13465	0.00355	-0.04292	0.35477
0.74327	0.021866	0.63742	-0.22645	7.62E-07	-0.09856	0.03323	-0.0374	0.4201
0.75864	-0.06713	0.14752	-0.1078	0.0198	-0.12702	0.00598	-0.09365	0.04308
0.33045	-0.04813	0.29926	-0.1907	3.35E-05	-0.28833	2.16E-10	-0.28394	4.14E-10
0.00236	0.063869	0.16822	0.009984	0.82963	-0.02844	0.53987	0.121372	0.00865
0.78124	0.020315	0.66147	-0.13441	0.00361	-0.1387	0.00267	-0.02341	0.61385
0.2033	-0.07821	0.09137	-0.25585	2.05E-08	-0.28808	2.24E-10	-0.23184	4.07E-07
0.02201	-0.20779	5.96E-06	-0.26979	3.13E-09	-0.35503	2.56E-15	-0.39307	1.05E-18
0.00075	0.021174	0.64811	-0.21057	4.44E-06	-0.08963	0.05291	-0.07639	0.09919
1.53E-05	-0.11478	0.01306	-0.18786	4.40E-05	-0.19765	1.69E-05	-0.23088	4.55E-07
0.40604	-0.14654	0.0015	-0.24194	1.20E-07	-0.19882	1.50E-05	-0.23862	1.81E-07

4.97E-05	-0.10288	0.0262	-0.10127	0.02865	-0.28587	3.12E-10	-0.175	0.00014
0.06206	-0.09201	0.0469	-0.17535	0.00014	-0.2971	5.69E-11	-0.18939	3.80E-05
0.05972	0.039487	0.39457	-0.14187	0.00212	-0.19769	1.68E-05	-0.026	0.57511
0.35451	-0.03918	0.39825	-0.15922	0.00055	-0.2801	7.25E-10	-0.15437	0.00082
0.94085	-0.02548	0.58283	-0.10821	0.01934	-0.17441	0.00015	-0.05642	0.2236
0.00176	-0.17647	0.00013	-0.29363	9.70E-11	-0.33803	6.03E-14	-0.39081	1.72E-18
0.00477	-0.02332	0.61521	-0.12359	0.0075	-0.05119	0.2696	-0.01283	0.78218
3.84E-06	-0.10225	0.02714	-0.40039	2.08E-19	-0.2699	3.08E-09	-0.23791	1.97E-07
0.13317	-0.04596	0.3216	-0.14513	0.00166	-0.19614	1.97E-05	-0.09454	0.04114
0.57682	0.032229	0.48719	-0.06003	0.19531	-0.08205	0.07649	0.04813	0.29931
0.32847	-0.03355	0.46954	-0.27857	9.04E-10	-0.29238	1.17E-10	-0.20607	7.14E-06
0.6652	-0.02216	0.63289	-0.14815	0.00132	-0.23179	4.09E-07	-0.08819	0.05686
0.00031	0.006989	0.88027	-0.17463	0.00015	-0.13513	0.00344	-0.05562	0.23023
0.00063	0.020553	0.65775	-0.1614	0.00046	-0.08826	0.05666	-0.01451	0.75442
0.95439	0.096423	0.03725	0.2957	7.06E-11	0.203727	9.11E-06	0.235567	2.61E-07
0.08583	0.008586	0.8532	-0.12446	0.00708	-0.13326	0.00391	-0.03902	0.40019
0.39392	-0.12584	0.00647	-0.22049	1.50E-06	-0.13251	0.00412	-0.15528	0.00076
0.1296	0.057403	0.21565	-0.21215	3.75E-06	-0.07289	0.11569	0.025208	0.58687
0.09218	-0.06838	0.14009	-0.21133	4.09E-06	-0.20235	1.05E-05	-0.18169	7.86E-05
0.00895	-0.06272	0.17605	-0.23073	4.63E-07	-0.15205	0.00098	-0.17584	0.00013
0.43204	-0.09126	0.04873	-0.2603	1.14E-08	-0.18812	4.30E-05	-0.19929	1.43E-05
0.4942	-0.04186	0.36672	-0.3519	4.64E-15	-0.29634	6.39E-11	-0.19367	2.51E-05
2.87E-05	0.010252	0.82512	-0.10244	0.02685	-0.05003	0.28061	0.052476	0.25774
0.78098	-0.09506	0.04004	-0.10796	0.01962	-0.18274	7.13E-05	-0.15173	0.001
0.35754	0.011626	0.80214	-0.01927	0.6779	0.095569	0.03897	0.157806	0.00062
0.00141	-0.0504	0.27703	-0.08793	0.0576	-0.07205	0.12	-0.08246	0.07503
2.62E-06	-0.1206	0.00909	-0.28054	6.80E-10	-0.32666	4.49E-13	-0.32055	1.28E-12
0.01881	-0.01492	0.74777	-0.12285	0.00786	-0.19903	1.47E-05	-0.12101	0.00885
0.57831	0.02294	0.62096	-0.23196	4.01E-07	-0.15021	0.00113	-0.01786	0.70028
0.00013	-0.20392	8.92E-06	-0.27413	1.70E-09	-0.33835	5.69E-14	-0.35485	2.64E-15
6.49E-05	-0.02286	0.62215	-0.1746	0.00015	-0.19345	2.56E-05	-0.00263	0.95483
0.16507	-0.03328	0.47313	-0.27564	1.37E-09	-0.23184	4.07E-07	-0.11529	0.01266
0.0282	-0.06048	0.192	-0.09285	0.04491	-0.16419	0.00037	-0.19074	3.34E-05
4.45E-06	-0.21939	1.70E-06	-0.41343	1.05E-20	-0.38288	9.40E-18	-0.42526	6.20E-22
4.78E-11	-0.06277	0.17571	-0.20068	1.24E-05	-0.11184	0.0156	-0.11258	0.01493
0.02869	0.123411	0.00758	-0.16789	0.00027	-0.08241	0.07522	0.080477	0.08234
0.03846	-0.14908	0.00123	-0.20078	1.23E-05	-0.31147	5.78E-12	-0.34692	1.18E-14
1.25E-06	-0.07786	0.09284	-0.06494	0.16117	-0.10902	0.01844	-0.05475	0.23762
0.00098	-0.04392	0.34367	-0.09936	0.03181	-0.21553	2.59E-06	-0.10092	0.02921
0.01437	0.02288	0.62188	-0.21521	2.69E-06	-0.05698	0.21909	-0.00077	0.98679
0.95207	-0.05486	0.2367	-0.09273	0.04519	-0.10956	0.01787	-0.03296	0.47735
0.29655	-0.03912	0.39894	-0.16649	0.0003	-0.19085	3.30E-05	-0.07458	0.10748
0.05379	0.003888	0.93322	-0.05434	0.24116	-0.16502	0.00034	-0.04966	0.28415
0.00562	-0.02388	0.60675	-0.17045	0.00021	-0.10096	0.02915	-0.0558	0.22874
0.47554	0.037127	0.42345	-0.15142	0.00103	-0.08275	0.07401	-0.01364	0.7687

0.01623	0.041299	0.37321	-0.04032	0.38463	-0.07377	0.11138	0.022087	0.63401
3.07E-08	-0.07673	0.09769	0.041482	0.3711	-0.0402	0.38604	-0.15587	0.00072
9.13E-08	0.359965	9.85E-16	0.382023	1.13E-17	0.435941	4.38E-23	0.619177	8.99E-51
4.61E-12	0.454593	3.40E-25	0.123405	0.00759	0.347002	1.16E-14	0.485626	5.25E-29
1.57E-13	0.650885	1.30E-57	0.396444	5.01E-19	0.547949	5.98E-38	0.695859	7.46E-69
0.00396	0.517919	2.07E-33	0.422665	1.16E-21	0.671312	1.79E-62	0.840249	#####
0.00138	0.478537	4.22E-28	0.402551	1.28E-19	0.657205	4.46E-59	0.760436	3.22E-89
0.4366	-0.2089	5.30E-06	0.017995	0.69811	-0.31469	3.41E-12	-0.35985	1.01E-15
3.89E-06	0.352266	4.33E-15	0.49943	7.85E-31	0.816126	#####	0.907296	#####
0.00011	0.116154	0.01201	0.271017	2.64E-09	0.601346	2.94E-47	0.677149	6.19E-64
2.31E-05	-0.37223	8.56E-17	-0.38171	1.20E-17	-0.43675	3.58E-23	-0.61446	8.06E-50
0.6731	-0.2548	2.35E-08	-0.14745	0.0014	-0.28189	5.59E-10	-0.4337	7.71E-23
9.30E-05	0.352945	3.81E-15	0.361463	7.35E-16	0.624694	6.61E-52	0.76491	7.22E-91
0.10338	0.168344	0.00026	0.40489	7.53E-20	0.621599	2.88E-51	0.654	2.49E-58
0.42766	-0.41829	3.33E-21	-0.17034	0.00022	-0.36096	8.11E-16	-0.52397	2.74E-34
0.0321	0.350277	6.31E-15	0.242134	1.17E-07	0.528703	5.48E-35	0.710406	5.99E-73
1.33E-19	0.111249	0.01617	0.180881	8.46E-05	0.393952	8.67E-19	0.442243	8.78E-24
0.32365	0.218054	1.97E-06	0.26378	7.13E-09	0.400084	2.23E-19	0.468917	6.62E-27
0.00803	0.235194	2.73E-07	0.322978	8.46E-13	0.297858	5.06E-11	0.457848	1.41E-25
0.04718	0.167852	0.00027	0.672446	9.37E-63	0.773262	4.77E-94	0.755021	2.87E-87
0.97469	0.136179	0.00319	0.297569	5.29E-11	0.329597	2.70E-13	0.417388	4.12E-21
0.14591	0.112227	0.01525	0.564926	1.00E-40	0.724954	2.63E-77	0.723247	8.81E-77
0.05577	0.006275	0.89242	0.559595	7.75E-40	0.479307	3.37E-28	0.543985	2.53E-37
0.32391	-0.11499	0.0129	-0.23988	1.55E-07	-0.38026	1.63E-17	-0.33381	1.28E-13
0.06196	-0.16188	0.00044	-0.27299	2.00E-09	-0.29101	1.44E-10	-0.36497	3.68E-16
0.53651	0.184671	5.95E-05	0.193065	2.66E-05	0.325643	5.36E-13	0.478874	3.83E-28
4.91E-07	0.226398	7.66E-07	0.425008	6.60E-22	0.462869	3.57E-26	0.637621	1.18E-54
0.11533	0.263499	7.40E-09	0.312525	4.87E-12	0.476448	7.73E-28	0.612553	1.93E-49
0.00193	0.237312	2.12E-07	0.308552	9.29E-12	0.313631	4.06E-12	0.45383	4.18E-25
0.23232	0.171602	0.00019	0.573	4.19E-42	0.530511	2.94E-35	0.57539	1.61E-42
1.94E-05	0.307177	1.16E-11	0.474793	1.24E-27	0.60102	3.39E-47	0.720467	6.21E-76
0.68167	0.064644	0.16311	0.288433	2.13E-10	0.567079	4.33E-41	0.533713	9.68E-36
0.14075	0.108042	0.01952	0.231332	4.32E-07	0.458194	1.29E-25	0.504566	1.57E-31
1.87E-06	0.265457	5.68E-09	0.29296	1.07E-10	0.500966	4.86E-31	0.64582	1.82E-56
0.99498	0.113322	0.01428	0.312551	4.84E-12	0.555157	4.14E-39	0.605899	3.91E-48
8.07E-05	0.230678	4.66E-07	0.265777	5.43E-09	0.492471	6.69E-30	0.669838	4.14E-62
0.17671	0.361544	7.23E-16	0.277923	9.92E-10	0.422545	1.20E-21	0.600052	5.19E-47
0.46622	0.28284	4.87E-10	0.397026	4.40E-19	0.394383	7.89E-19	0.505048	1.34E-31
0.3096	0.205353	7.69E-06	0.035089	0.44937	0.24951	4.65E-08	0.358001	1.44E-15
0.17373	0.256814	1.81E-08	0.155866	0.00073	0.379171	2.05E-17	0.45815	1.30E-25
0.09964	0.126292	0.00628	0.156122	0.00071	0.32472	6.28E-13	0.394687	7.38E-19
0.98727	0.341233	3.37E-14	0.324533	6.48E-13	0.698509	1.40E-69	0.824494	#####
0.00385	0.336103	8.52E-14	0.008999	0.84621	0.285795	3.15E-10	0.457451	1.57E-25
0.11511	-0.20242	1.04E-05	-0.11963	0.00966	-0.23843	1.85E-07	-0.39928	2.66E-19
0.03264	0.318364	1.85E-12	0.23701	2.19E-07	0.412941	1.18E-20	0.63079	3.47E-53

0.07003	0.166275	0.00031	0.361695	7.02E-16	0.339024	5.04E-14	0.276777	1.17E-09
0.05111	-0.03603	0.43723	0.332553	1.60E-13	0.344756	1.77E-14	0.354424	2.87E-15
0.0489	0.160746	0.00049	0.465757	1.60E-26	0.697918	2.03E-69	0.689679	3.46E-67
0.41441	0.188071	4.32E-05	0.471065	3.61E-27	0.509531	3.21E-32	0.588823	6.43E-45
0.05009	0.202393	1.04E-05	0.378451	2.38E-17	0.407372	4.27E-20	0.456195	2.21E-25
0.39533	-0.23534	2.68E-07	-0.30896	8.70E-12	-0.305	1.64E-11	-0.46079	6.34E-26
0.00499	-0.33564	9.26E-14	-0.12714	0.00594	-0.29818	4.81E-11	-0.38687	4.03E-18
2.94E-11	-0.13911	0.00259	-0.32345	7.80E-13	-0.49438	3.73E-30	-0.52809	6.77E-35
1.08E-05	0.25844	1.46E-08	0.310029	7.32E-12	0.469355	5.85E-27	0.623609	1.11E-51
0.00076	-0.27452	1.61E-09	-0.41763	3.89E-21	-0.38032	1.61E-17	-0.48231	1.40E-28
8.93E-35	0.227235	6.96E-07	0.365523	3.30E-16	0.517336	2.52E-33	0.609198	8.88E-49
6.10E-14	0.206786	6.62E-06	0.182945	6.99E-05	0.346071	1.38E-14	0.44892	1.54E-24
4.80E-07	0.394918	7.01E-19	0.618085	1.50E-50	0.789201	#####	0.888748	#####
0.45751	-0.26393	6.98E-09	-0.0997	0.03122	-0.35145	5.05E-15	-0.4736	1.75E-27
0.65185	0.168213	0.00026	0.297593	5.27E-11	0.347094	1.14E-14	0.397712	3.78E-19
0.0149	0.27097	2.65E-09	0.444463	4.94E-24	0.605371	4.95E-48	0.731602	2.15E-79
0.03236	0.054984	0.23565	0.468543	7.35E-27	0.475308	1.07E-27	0.449376	1.37E-24
0.00037	0.078116	0.09177	0.268383	3.80E-09	0.272389	2.18E-09	0.413459	1.04E-20
5.10E-17	-0.19269	2.76E-05	-0.30361	2.05E-11	-0.44546	3.81E-24	-0.51946	1.25E-33
0.42673	0.299731	3.78E-11	0.080347	0.08284	0.265474	5.66E-09	0.442868	7.47E-24
0.16266	0.073774	0.11135	0.30285	2.31E-11	0.424929	6.72E-22	0.480353	2.49E-28
0.00091	0.153913	0.00085	0.039445	0.39507	0.231163	4.40E-07	0.196866	1.83E-05
5.93E-11	0.250544	4.08E-08	0.337875	6.20E-14	0.406196	5.59E-20	0.508122	5.04E-32
8.04E-05	0.360598	8.70E-16	0.423955	8.52E-22	0.50589	1.03E-31	0.673351	5.58E-63
5.26E-06	0.271208	2.57E-09	0.262057	8.99E-09	0.388367	2.92E-18	0.533811	9.35E-36
2.49E-10	0.328047	3.53E-13	0.159867	0.00052	0.372531	8.04E-17	0.560271	5.99E-40
0.04512	0.337815	6.27E-14	0.352499	4.14E-15	0.615233	5.63E-50	0.759074	1.01E-88
0.01849	0.141452	0.00218	0.075598	0.10275	0.275906	1.32E-09	0.444766	4.57E-24
0.23026	0.194894	2.22E-05	0.278589	9.02E-10	0.399674	2.44E-19	0.421125	1.69E-21
0.03222	-0.14854	0.00128	-0.3745	5.38E-17	-0.4457	3.58E-24	-0.44365	6.11E-24
8.69E-05	0.273299	1.91E-09	0.503235	2.38E-31	0.484393	7.57E-29	0.546172	1.14E-37
1.90E-10	0.216071	2.45E-06	0.22294	1.14E-06	0.366239	2.86E-16	0.554173	5.99E-39
0.23105	-0.30354	2.07E-11	-0.31966	1.48E-12	-0.38604	4.81E-18	-0.52692	1.01E-34
0.05513	0.283254	4.58E-10	0.671515	1.59E-62	0.775235	8.07E-95	0.81427	#####
0.00823	0.224515	9.51E-07	0.353511	3.42E-15	0.472322	2.52E-27	0.511185	1.88E-32
0.63447	0.170953	0.00021	0.533151	1.18E-35	0.787957	#####	0.798094	#####
0.11183	0.581413	1.40E-43	0.276471	1.22E-09	0.483662	9.40E-29	0.718609	2.26E-75
3.02E-15	-0.26332	7.58E-09	-0.18404	6.31E-05	-0.38536	5.55E-18	-0.52396	2.75E-34
6.42E-07	0.290877	1.47E-10	0.142113	0.00208	0.304547	1.77E-11	0.487679	2.84E-29
0.00045	0.338699	5.34E-14	0.462212	4.28E-26	0.528693	5.50E-35	0.606994	2.40E-48
0.36071	0.321349	1.12E-12	0.333596	1.33E-13	0.483082	1.12E-28	0.688568	6.82E-67
7.62E-11	-0.19548	2.10E-05	-0.2139	3.10E-06	-0.38816	3.05E-18	-0.4664	1.34E-26
4.02E-08	-0.14995	0.00115	-0.22837	6.10E-07	-0.34785	9.94E-15	-0.45532	2.80E-25
0.08539	0.158506	0.00059	0.359925	9.92E-16	0.584327	4.20E-44	0.552201	1.25E-38
0.00045	0.165817	0.00032	0.352217	4.37E-15	0.578326	4.92E-43	0.657029	4.91E-59

0.11617	0.098331	0.03364	0.181072	8.32E-05	0.323958	7.15E-13	0.392624	1.16E-18
0.06479	0.117719	0.0109	0.109032	0.01843	0.278429	9.23E-10	0.38082	1.45E-17
8.52E-07	0.310481	6.80E-12	0.255032	2.28E-08	0.391657	1.43E-18	0.456978	1.79E-25
0.00014	0.216423	2.35E-06	0.449079	1.48E-24	0.676551	8.78E-64	0.819328	#####
0.47001	0.197956	1.64E-05	0.345858	1.44E-14	0.451355	8.08E-25	0.552592	1.08E-38
3.93E-08	0.179088	9.97E-05	0.456446	2.07E-25	0.471877	2.86E-27	0.535428	5.31E-36
0.00719	0.40263	1.26E-19	0.419066	2.76E-21	0.659189	1.52E-59	0.843503	#####
9.77E-05	0.178376	0.00011	0.387904	3.22E-18	0.412881	1.19E-20	0.551687	1.51E-38
0.02509	0.196888	1.82E-05	0.381742	1.19E-17	0.402546	1.28E-19	0.550939	1.99E-38
0.00011	-0.22432	9.72E-07	-0.15017	0.00113	-0.3643	4.20E-16	-0.39559	6.04E-19
0.77598	0.267795	4.12E-09	0.46448	2.29E-26	0.5563	2.70E-39	0.74481	9.94E-84
3.68E-07	0.304263	1.85E-11	0.192322	2.86E-05	0.302721	2.36E-11	0.535247	5.66E-36
0.41987	0.256734	1.83E-08	0.450416	1.04E-24	0.363752	4.68E-16	0.489959	1.43E-29
0.0206	-0.22002	1.58E-06	-0.18572	5.39E-05	-0.37107	1.08E-16	-0.43182	1.23E-22
2.51E-10	0.295339	7.46E-11	0.347169	1.13E-14	0.243895	9.43E-08	0.516967	2.84E-33
7.69E-05	0.186677	4.93E-05	0.370033	1.33E-16	0.275344	1.43E-09	0.417071	4.44E-21
0.00514	0.303004	2.26E-11	0.345123	1.65E-14	0.436774	3.55E-23	0.644055	4.52E-56
1.62E-07	0.420025	2.20E-21	0.323249	8.08E-13	0.404279	8.65E-20	0.662497	2.50E-60
0.39276	0.251633	3.54E-08	0.200945	1.21E-05	0.49126	9.67E-30	0.450747	9.50E-25
0.96451	0.10525	0.02292	0.524929	1.98E-34	0.426285	4.83E-22	0.509658	3.08E-32
6.46E-33	0.208928	5.28E-06	0.221971	1.27E-06	0.463891	2.69E-26	0.575231	1.72E-42
0.01039	-0.19964	1.38E-05	-0.18029	8.94E-05	-0.28108	6.29E-10	-0.40239	1.33E-19
0.00282	-0.20639	6.90E-06	-0.05222	0.26011	-0.31213	5.19E-12	-0.35119	5.31E-15
0.00168	0.285946	3.08E-10	0.257923	1.56E-08	0.199592	1.39E-05	0.463937	2.66E-26
0.05449	0.085	0.06647	0.323927	7.19E-13	0.678394	2.99E-64	0.652748	4.84E-58
1.61E-05	0.185121	5.71E-05	0.274821	1.54E-09	0.457234	1.67E-25	0.54123	6.80E-37
0.16668	0.405024	7.30E-20	0.307071	1.18E-11	0.663551	1.39E-60	0.847576	#####
0.00378	0.191108	3.22E-05	0.632748	1.33E-53	0.804141	#####	0.759914	4.99E-89
8.88E-07	-0.20011	1.32E-05	-0.20121	1.18E-05	-0.42597	5.22E-22	-0.44886	1.56E-24
0.07722	0.261176	1.01E-08	0.425013	6.59E-22	0.416107	5.58E-21	0.56489	1.01E-40
0.75122	0.281054	6.31E-10	0.391803	1.39E-18	0.561714	3.45E-40	0.692679	5.43E-68
1.35E-10	-0.18342	6.69E-05	-0.2047	8.24E-06	-0.31861	1.77E-12	-0.46103	5.93E-26
1.69E-10	-0.25573	2.08E-08	-0.03384	0.46571	-0.27035	2.89E-09	-0.43937	1.83E-23
0.82503	0.412958	1.17E-20	0.392933	1.08E-18	0.581663	1.26E-43	0.714349	4.20E-74
5.47E-15	-0.23419	3.08E-07	-0.0801	0.0838	-0.26002	1.18E-08	-0.41598	5.75E-21
6.31E-15	-0.33008	2.48E-13	-0.31556	2.95E-12	-0.40597	5.89E-20	-0.62465	6.74E-52
0.05154	0.392183	1.28E-18	0.192897	2.71E-05	0.270574	2.80E-09	0.536672	3.43E-36
0.00366	0.313027	4.48E-12	0.489422	1.68E-29	0.503476	2.21E-31	0.667241	1.79E-61
6.38E-24	0.262309	8.69E-09	0.306081	1.38E-11	0.605259	5.20E-48	0.704443	3.06E-71
8.10E-07	0.278194	9.54E-10	0.339156	4.92E-14	0.41143	1.67E-20	0.531973	1.77E-35
6.98E-07	0.152493	0.00095	0.503141	2.46E-31	0.695093	1.21E-68	0.751389	5.45E-86
0.3034	0.116619	0.01167	0.10847	0.01904	0.40584	6.06E-20	0.444293	5.17E-24
2.59E-11	-0.19973	1.37E-05	-0.07117	0.12458	-0.26631	5.05E-09	-0.35063	5.90E-15
0.03992	0.237802	1.99E-07	0.643716	5.37E-56	0.724386	3.93E-77	0.733809	4.24E-80
0.00529	0.12956	0.00505	0.276616	1.20E-09	0.437111	3.26E-23	0.516112	3.77E-33



0.95298	-0.1195	0.00975	-0.20867	5.43E-06	-0.33233	1.67E-13	-0.36275	5.70E-16
1.12E-07	0.273323	1.91E-09	0.22348	1.07E-06	0.278357	9.32E-10	0.470251	4.54E-27
6.64E-07	0.306972	1.20E-11	0.38077	1.46E-17	0.434145	6.89E-23	0.638776	6.61E-55
0.02724	0.13744	0.00292	0.38153	1.25E-17	0.390544	1.82E-18	0.483362	1.03E-28
0.00435	0.222169	1.24E-06	0.326466	4.65E-13	0.507368	6.42E-32	0.669959	3.86E-62
0.18371	-0.36272	5.74E-16	-0.33906	5.00E-14	-0.46004	7.77E-26	-0.64347	6.11E-56
0.65529	0.06722	0.14695	0.191563	3.08E-05	0.394135	8.33E-19	0.442513	8.19E-24
0.09786	0.194571	2.30E-05	0.353717	3.29E-15	0.65715	4.60E-59	0.823232	#####
0.05678	0.199363	1.42E-05	0.338895	5.16E-14	0.37681	3.34E-17	0.517133	2.69E-33
0.29211	-0.15973	0.00053	-0.43831	2.40E-23	-0.41414	8.87E-21	-0.46976	5.22E-27
0.27787	0.303697	2.02E-11	0.151376	0.00103	0.263187	7.72E-09	0.428015	3.16E-22
3.09E-10	0.209397	5.03E-06	0.402883	1.19E-19	0.366358	2.79E-16	0.551558	1.58E-38
5.39E-06	0.337492	6.64E-14	0.253227	2.88E-08	0.380883	1.43E-17	0.496007	2.27E-30
0.20157	0.086904	0.06058	0.030294	0.51372	0.093508	0.04341	0.156178	0.00071
4.30E-06	0.216444	2.35E-06	0.242311	1.15E-07	0.342919	2.48E-14	0.436685	3.63E-23
0.03986	-0.26587	5.37E-09	-0.31683	2.39E-12	-0.2635	7.41E-09	-0.43311	8.92E-23
0.49178	0.24088	1.37E-07	0.335295	9.85E-14	0.427427	3.65E-22	0.446415	2.97E-24
0.00082	0.424359	7.72E-22	0.476271	8.14E-28	0.695472	9.51E-69	0.899755	#####
0.05397	0.247514	5.99E-08	0.208187	5.71E-06	0.315384	3.04E-12	0.518142	1.93E-33
0.06331	0.486015	4.67E-29	0.235638	2.59E-07	0.38709	3.84E-18	0.482571	1.30E-28
0.10329	0.235834	2.53E-07	0.271163	2.58E-09	0.44852	1.71E-24	0.480009	2.75E-28
2.01E-08	0.28863	2.07E-10	0.430705	1.63E-22	0.446219	3.13E-24	0.573793	3.05E-42
0.08415	0.172121	0.00019	0.29904	4.21E-11	0.48166	1.70E-28	0.512509	1.22E-32
0.09054	0.166199	0.00031	0.307167	1.16E-11	0.395043	6.82E-19	0.488646	2.13E-29
0.00054	0.309438	8.05E-12	0.41253	1.29E-20	0.346478	1.28E-14	0.599537	6.50E-47
0.12928	0.327324	4.00E-13	0.548748	4.46E-38	0.68663	2.22E-66	0.710946	4.17E-73
0.0033	0.308676	9.11E-12	0.301306	2.95E-11	0.568107	2.89E-41	0.667346	1.69E-61
0.1886	0.070284	0.12935	0.236812	2.25E-07	0.382061	1.12E-17	0.440532	1.36E-23
0.3045	0.33433	1.17E-13	0.588142	8.56E-45	0.71355	7.22E-74	0.798172	#####
0.02048	0.238003	1.95E-07	0.118523	0.01036	0.330381	2.35E-13	0.384911	6.11E-18
9.43E-05	0.282945	4.79E-10	0.336278	8.26E-14	0.356972	1.76E-15	0.566074	6.40E-41
0.67378	0.226225	7.82E-07	0.234132	3.10E-07	0.285342	3.37E-10	0.407099	4.55E-20
1.28E-08	-0.21851	1.87E-06	-0.16241	0.00043	-0.30028	3.47E-11	-0.41333	1.07E-20
0.04793	-0.24371	9.66E-08	-0.29141	1.36E-10	-0.36469	3.89E-16	-0.46999	4.89E-27
0.18241	0.237673	2.02E-07	0.216368	2.37E-06	0.472366	2.49E-27	0.565935	6.76E-41
0.06112	-0.14286	0.00197	-0.2499	4.43E-08	-0.26727	4.43E-09	-0.37699	3.22E-17
0.17089	0.340995	3.52E-14	0.653766	2.82E-58	0.687351	1.43E-66	0.690491	2.10E-67
0.84042	0.189603	3.73E-05	0.490533	1.20E-29	0.726774	7.15E-78	0.779738	1.31E-96
0.13357	0.326308	4.77E-13	0.379765	1.81E-17	0.511209	1.87E-32	0.601187	3.15E-47
1.42E-06	0.379591	1.87E-17	0.560131	6.31E-40	0.774491	1.58E-94	0.863309	#####
0.00045	0.209986	4.72E-06	0.428527	2.79E-22	0.478993	3.70E-28	0.464098	2.54E-26
0.99159	0.245161	8.06E-08	0.497748	1.32E-30	0.573511	3.42E-42	0.536719	3.37E-36
0.77792	0.084115	0.06936	0.186364	5.08E-05	0.308428	9.48E-12	0.385431	5.47E-18
5.04E-07	-0.17315	0.00017	-0.24955	4.63E-08	-0.45245	6.05E-25	-0.38662	4.25E-18
0.44031	0.127983	0.00561	0.100718	0.02954	0.242011	1.19E-07	0.395599	6.04E-19

0.04418	0.243162	1.03E-07	0.130713	0.00466	0.324668	6.33E-13	0.489022	1.90E-29
0.87495	0.292782	1.10E-10	0.075387	0.10372	0.292865	1.09E-10	0.484888	6.54E-29
0.01729	0.277563	1.04E-09	0.509637	3.10E-32	0.771163	3.09E-93	0.863395	#####
0.04963	0.128004	0.0056	0.347382	1.09E-14	0.556532	2.47E-39	0.534942	6.30E-36
0.85594	0.449936	1.18E-24	0.378168	2.52E-17	0.69918	9.11E-70	0.844193	#####
0.0898	0.275591	1.38E-09	0.134499	0.00359	0.290663	1.52E-10	0.479638	3.06E-28
5.90E-07	0.455107	2.96E-25	0.09447	0.04129	0.296174	6.56E-11	0.498493	1.05E-30
0.0087	0.382764	9.63E-18	0.397566	3.91E-19	0.571844	6.63E-42	0.780324	7.60E-97
1.87E-07	0.209441	5.00E-06	0.41884	2.92E-21	0.548696	4.55E-38	0.670583	2.71E-62
0.03143	0.243747	9.61E-08	0.163458	0.00039	0.352305	4.30E-15	0.468608	7.22E-27
3.04E-05	0.165933	0.00032	0.143551	0.00187	0.376573	3.51E-17	0.588712	6.73E-45
0.02416	0.285861	3.12E-10	0.206834	6.59E-06	0.44531	3.97E-24	0.568326	2.66E-41
0.67816	0.166987	0.00029	0.325509	5.48E-13	0.564135	1.36E-40	0.570462	1.15E-41
0.00117	0.126118	0.00635	0.542785	3.89E-37	0.734455	2.62E-80	0.78092	4.36E-97
0.10609	0.272879	2.03E-09	0.482688	1.25E-28	0.394749	7.28E-19	0.546323	1.08E-37
0.81261	0.393808	8.95E-19	0.543098	3.48E-37	0.731091	3.13E-79	0.804137	#####
1.95E-06	0.337004	7.25E-14	0.415364	6.65E-21	0.571238	8.43E-42	0.742271	7.11E-83
1.78E-15	0.529199	4.62E-35	0.376696	3.42E-17	0.608808	1.06E-48	0.84116	#####
0.31922	0.116522	0.01174	0.23537	2.67E-07	0.374305	5.60E-17	0.451438	7.91E-25
0.85579	0.24422	9.06E-08	0.333464	1.36E-13	0.462656	3.79E-26	0.626946	2.24E-52
0.00293	0.290699	1.51E-10	0.726992	6.12E-78	0.731284	2.72E-79	0.816185	#####
0.01396	0.296694	6.06E-11	0.442425	8.38E-24	0.683769	1.24E-65	0.70994	8.17E-73
8.12E-15	-0.28984	1.72E-10	-0.28375	4.26E-10	-0.45966	8.62E-26	-0.58855	7.20E-45
0.16073	0.24618	7.09E-08	0.380818	1.45E-17	0.681001	6.45E-65	0.841125	#####
0.08392	0.084918	0.06673	0.20058	1.26E-05	0.35681	1.82E-15	0.476285	8.10E-28
1.43E-06	-0.19084	3.31E-05	-0.28173	5.72E-10	-0.38554	5.35E-18	-0.38414	7.20E-18
0.44704	0.213506	3.23E-06	0.089734	0.05264	0.230262	4.89E-07	0.40609	5.73E-20
0.00071	-0.1823	7.42E-05	-0.10557	0.02251	-0.23473	2.88E-07	-0.35466	2.74E-15
0.00031	0.082939	0.07336	0.230933	4.52E-07	0.280976	6.39E-10	0.366431	2.75E-16
0.19561	-0.26086	1.06E-08	-0.1548	0.00079	-0.37164	9.65E-17	-0.49657	1.91E-30
0.31018	0.178288	0.00011	0.336551	7.87E-14	0.654793	1.63E-58	0.76141	1.42E-89
0.09541	0.287654	2.39E-10	0.557685	1.60E-39	0.772088	1.36E-93	0.798941	#####
0.00468	0.268307	3.84E-09	0.460697	6.49E-26	0.637958	9.97E-55	0.652854	4.58E-58
0.83853	0.082533	0.07478	0.386245	4.60E-18	0.466194	1.42E-26	0.481472	1.79E-28
0.20711	0.323059	8.34E-13	0.35129	5.21E-15	0.517266	2.57E-33	0.638013	9.70E-55
0.24154	0.278038	9.76E-10	0.309046	8.58E-12	0.369027	1.63E-16	0.532943	1.27E-35
0.83405	0.364619	3.94E-16	0.300247	3.49E-11	0.705212	1.85E-71	0.805823	#####
0.00052	-0.16633	0.00031	-0.29329	1.02E-10	-0.39829	3.32E-19	-0.42997	1.95E-22
0.43089	0.454285	3.70E-25	0.356526	1.92E-15	0.474875	1.22E-27	0.666545	2.64E-61
0.89003	-0.18567	5.42E-05	-0.21659	2.31E-06	-0.35002	6.62E-15	-0.44369	6.04E-24
0.00766	0.239383	1.64E-07	0.318668	1.75E-12	0.530111	3.38E-35	0.67908	2.00E-64
6.55E-22	0.305455	1.53E-11	0.170793	0.00021	0.357059	1.73E-15	0.473232	1.95E-27
0.0932	0.135053	0.00345	0.081657	0.07793	0.286161	2.98E-10	0.31772	2.06E-12
2.24E-10	0.378169	2.52E-17	0.067697	0.1441	0.292845	1.09E-10	0.454098	3.89E-25
1.90E-05	0.306512	1.29E-11	0.091431	0.0483	0.18086	8.48E-05	0.42614	5.00E-22

0.93086	0.362533	5.95E-16	0.494218	3.93E-30	0.579588	2.94E-43	0.660207	8.75E-60
0.25423	0.27084	2.70E-09	0.223808	1.03E-06	0.452364	6.18E-25	0.485261	5.85E-29
6.77E-34	0.565255	8.80E-41	0.237455	2.08E-07	0.345639	1.50E-14	0.54596	1.23E-37
0.23376	-0.21123	4.13E-06	-0.13439	0.00362	-0.17756	0.00011	-0.38811	3.08E-18
0.05933	0.218171	1.94E-06	0.660406	7.85E-60	0.712387	1.58E-73	0.785962	3.73E-99
0.51285	0.089938	0.0521	0.243907	9.42E-08	0.449391	1.36E-24	0.524368	2.40E-34
0.00427	0.174026	0.00016	0.307874	1.04E-11	0.402953	1.17E-19	0.49938	7.98E-31
0.81533	0.154228	0.00083	0.3607	8.53E-16	0.757162	4.93E-88	0.818438	#####
0.00355	0.168423	0.00026	0.292122	1.22E-10	0.616177	3.64E-50	0.655743	9.80E-59
0.14191	0.09805	0.03415	0.464548	2.25E-26	0.672849	7.44E-63	0.595897	3.16E-46
0.65463	0.126264	0.00629	0.316474	2.53E-12	0.704112	3.80E-71	0.686162	2.94E-66
0.00043	0.197563	1.71E-05	0.505817	1.05E-31	0.601714	2.50E-47	0.645447	2.21E-56
0.07331	0.039534	0.39401	0.240692	1.40E-07	0.368155	1.95E-16	0.369707	1.43E-16
0.16527	0.215874	2.50E-06	0.239796	1.56E-07	0.588874	6.29E-45	0.667431	1.61E-61
6.07E-22	0.411376	1.69E-20	0.375513	4.37E-17	0.587691	1.03E-44	0.726387	9.44E-78
0.23802	0.307079	1.18E-11	0.238027	1.94E-07	0.475482	1.02E-27	0.601029	3.38E-47
0.01482	0.208149	5.74E-06	0.5703	1.22E-41	0.585713	2.36E-44	0.73816	1.63E-81
0.0027	0.100481	0.02992	0.317021	2.31E-12	0.452756	5.57E-25	0.427542	3.55E-22
0.26459	0.145289	0.00164	0.619409	8.06E-51	0.781385	2.83E-97	0.781341	2.94E-97
0.05267	0.474438	1.38E-27	0.078447	0.0904	0.203718	9.11E-06	0.396315	5.15E-19
0.39489	0.280529	6.81E-10	0.18723	4.68E-05	0.359717	1.03E-15	0.487585	2.92E-29
0.22488	0.321742	1.04E-12	0.269068	3.46E-09	0.453103	5.07E-25	0.620069	5.91E-51
1.37E-05	0.434695	6.00E-23	0.283793	4.23E-10	0.36387	4.57E-16	0.672293	1.02E-62
0.01387	0.273555	1.85E-09	0.380582	1.52E-17	0.468368	7.72E-27	0.502344	3.16E-31
1.84E-10	0.260757	1.07E-08	0.365678	3.20E-16	0.411846	1.52E-20	0.593321	9.54E-46
0.30608	0.125885	0.00645	0.192448	2.83E-05	0.353298	3.56E-15	0.406845	4.82E-20
0.01643	0.311795	5.48E-12	0.282012	5.49E-10	0.562525	2.53E-40	0.74722	1.50E-84
0.42108	0.098868	0.03267	0.360442	8.97E-16	0.475673	9.67E-28	0.465904	1.54E-26
0.00085	-0.07864	0.08962	-0.2038	9.03E-06	-0.32616	4.90E-13	-0.35419	3.00E-15
7.69E-06	-0.2124	3.65E-06	0.092199	0.04644	-0.16176	0.00045	-0.3581	1.42E-15
0.0259	0.236307	2.39E-07	0.107095	0.02062	0.273639	1.82E-09	0.437203	3.19E-23
0.79471	0.168741	0.00025	0.423404	9.74E-22	0.566543	5.33E-41	0.508344	4.70E-32
0.89638	0.176346	0.00013	0.397393	4.06E-19	0.675998	1.21E-63	0.799732	#####
0.81371	0.088018	0.05734	0.504038	1.85E-31	0.69622	5.94E-69	0.744181	1.62E-83
5.24E-05	0.073222	0.11405	0.598602	9.77E-47	0.461909	4.66E-26	0.495425	2.71E-30
0.76197	0.308204	9.83E-12	0.124776	0.00694	0.295521	7.26E-11	0.422254	1.29E-21
0.92369	0.165066	0.00034	0.222755	1.16E-06	0.344634	1.81E-14	0.449998	1.16E-24
0.43215	0.537654	2.42E-36	0.267161	4.49E-09	0.217893	2.00E-06	0.41914	2.72E-21
0.58342	0.194336	2.35E-05	0.139506	0.00252	0.344154	1.97E-14	0.375901	4.03E-17
0.20856	0.466812	1.19E-26	0.191494	3.10E-05	0.414221	8.71E-21	0.591118	2.44E-45
0.87262	0.207337	6.25E-06	0.426928	4.13E-22	0.340535	3.83E-14	0.395473	6.21E-19
0.54595	0.337178	7.03E-14	0.563791	1.55E-40	0.657755	3.31E-59	0.789119	#####
0.00889	0.250447	4.13E-08	0.724425	3.83E-77	0.776683	2.17E-95	0.878866	#####
0.00023	0.458836	1.08E-25	0.337803	6.28E-14	0.258581	1.43E-08	0.475895	9.07E-28
0.23163	0.092187	0.04647	0.140109	0.00241	0.352111	4.46E-15	0.39503	6.84E-19

7.43E-05	0.160158	0.00051	0.213352	3.29E-06	0.45325	4.88E-25	0.54281	3.86E-37
0.34418	0.126792	0.00607	0.466287	1.38E-26	0.313275	4.30E-12	0.329172	2.90E-13
0.61645	0.207364	6.23E-06	0.208385	5.60E-06	0.438717	2.17E-23	0.553468	7.78E-39
4.52E-19	0.459936	8.00E-26	0.240039	1.52E-07	0.447841	2.05E-24	0.626512	2.76E-52
0.33573	0.190952	3.27E-05	0.547386	7.35E-38	0.747001	1.79E-84	0.794162	#####
0.00092	0.398985	2.85E-19	0.182262	7.45E-05	0.276015	1.30E-09	0.471615	3.09E-27
0.00167	0.127136	0.00594	0.408575	3.24E-20	0.312092	5.22E-12	0.353262	3.58E-15
0.11461	0.389037	2.53E-18	0.649537	2.63E-57	0.878575	#####	0.903153	#####
0.00392	0.224649	9.37E-07	0.486627	3.90E-29	0.342496	2.68E-14	0.403932	9.36E-20
0.00456	0.093932	0.04246	0.625869	3.76E-52	0.736592	5.32E-81	0.749977	1.69E-85
0.22598	0.205888	7.27E-06	0.465621	1.67E-26	0.503896	1.93E-31	0.592657	1.27E-45
0.00257	0.109537	0.01789	0.501462	4.16E-31	0.329373	2.80E-13	0.351102	5.40E-15
0.12596	0.256301	1.93E-08	0.45931	9.49E-26	0.558385	1.23E-39	0.590703	2.91E-45
0.14989	0.342705	2.58E-14	0.537158	2.89E-36	0.504149	1.79E-31	0.629192	7.56E-53
0.40925	0.376518	3.55E-17	0.400161	2.19E-19	0.616281	3.47E-50	0.817977	#####
0.20538	0.180494	8.77E-05	0.48545	5.53E-29	0.517273	2.57E-33	0.672042	1.18E-62
1.14E-07	-0.23202	3.98E-07	-0.12267	0.00796	-0.26743	4.33E-09	-0.43525	5.23E-23
9.71E-07	-0.18121	8.21E-05	-0.37607	3.89E-17	-0.3441	2.00E-14	-0.41481	7.58E-21
0.86911	0.216499	2.33E-06	0.486722	3.79E-29	0.612894	1.65E-49	0.636314	2.27E-54
4.82E-06	-0.2513	3.70E-08	-0.20087	1.22E-05	-0.30266	2.38E-11	-0.453	5.21E-25
0.60654	0.340517	3.84E-14	0.236672	2.28E-07	0.395074	6.78E-19	0.591298	2.26E-45
0.47405	0.14433	0.00177	0.223777	1.03E-06	0.368139	1.95E-16	0.409049	2.90E-20
7.30E-11	-0.34926	7.64E-15	-0.44599	3.32E-24	-0.45605	2.30E-25	-0.63637	2.20E-54
0.57365	0.265297	5.80E-09	0.508808	4.05E-32	0.706631	7.31E-72	0.677244	5.86E-64
0.00221	0.101882	0.0277	0.427495	3.59E-22	0.649549	2.61E-57	0.592151	1.57E-45
0.2533	0.236493	2.33E-07	0.389054	2.52E-18	0.477694	5.39E-28	0.613363	1.33E-49
0.00015	0.595365	3.97E-46	0.200009	1.33E-05	0.393796	8.97E-19	0.680148	1.07E-64
1.29E-05	0.425307	6.13E-22	0.597782	1.40E-46	0.771588	2.12E-93	0.875418	#####
0.26512	0.305279	1.57E-11	0.366153	2.91E-16	0.580171	2.32E-43	0.655755	9.74E-59
0.23365	0.037219	0.4223	0.537271	2.78E-36	0.410945	1.87E-20	0.392707	1.14E-18
0.31741	0.465839	1.57E-26	0.421012	1.73E-21	0.360091	9.61E-16	0.475757	9.44E-28
2.32E-17	0.359184	1.15E-15	0.30263	2.40E-11	0.552209	1.24E-38	0.713052	1.01E-73
0.00701	0.248132	5.54E-08	0.334183	1.20E-13	0.65144	9.67E-58	0.77247	9.67E-94
6.69E-06	0.213122	3.37E-06	0.404874	7.56E-20	0.515458	4.67E-33	0.609608	7.38E-49
0.02074	0.178236	0.00011	0.668252	1.01E-61	0.747991	8.18E-85	0.744222	1.57E-83
0.16117	0.197794	1.67E-05	0.486841	3.65E-29	0.436849	3.48E-23	0.596484	2.45E-46
0.01995	0.223434	1.08E-06	0.402999	1.16E-19	0.496722	1.82E-30	0.59703	1.93E-46
0.73124	0.44162	1.03E-23	0.575972	1.27E-42	0.71895	1.78E-75	0.844585	#####
0.00065	0.378337	2.43E-17	0.367488	2.23E-16	0.466823	1.19E-26	0.50663	8.13E-32
0.81967	0.125883	0.00645	0.158871	0.00057	0.315667	2.90E-12	0.343168	2.37E-14
0.02269	0.175911	0.00013	0.423699	9.07E-22	0.675174	1.95E-63	0.740503	2.76E-82
3.36E-13	-0.2343	3.04E-07	-0.31993	1.42E-12	-0.3183	1.87E-12	-0.54752	6.98E-38
4.35E-07	0.153074	0.0009	0.391498	1.48E-18	0.690933	1.60E-67	0.717991	3.46E-75
0.66232	0.067607	0.14463	0.297657	5.22E-11	0.562574	2.48E-40	0.613013	1.56E-49
0.0003	0.182845	7.06E-05	0.187006	4.78E-05	0.269273	3.36E-09	0.345464	1.55E-14

0.05548	0.06535	0.15856	0.592437	1.39E-45	0.588837	6.39E-45	0.59166	1.94E-45
0.17748	0.358028	1.43E-15	0.46971	5.29E-27	0.474243	1.46E-27	0.5801	2.39E-43
0.00014	0.412649	1.26E-20	0.354361	2.91E-15	0.603191	1.30E-47	0.812209	#####
0.04731	0.241057	1.34E-07	0.101399	0.02845	0.276778	1.17E-09	0.457925	1.38E-25
0.54156	0.152823	0.00092	0.276941	1.14E-09	0.566109	6.31E-41	0.613379	1.32E-49
0.45974	0.181883	7.72E-05	0.733618	4.88E-80	0.745404	6.25E-84	0.692148	7.55E-68
0.12493	0.110449	0.01695	0.389747	2.17E-18	0.495805	2.41E-30	0.529591	4.04E-35
0.03047	0.152804	0.00092	0.446974	2.57E-24	0.438313	2.40E-23	0.5289	5.12E-35
0.17976	0.208248	5.68E-06	0.590645	2.98E-45	0.83443	#####	0.835476	#####
0.00067	0.435642	4.73E-23	0.175587	0.00014	0.343775	2.12E-14	0.564464	1.20E-40
0.00021	0.358685	1.26E-15	0.446033	3.28E-24	0.612996	1.58E-49	0.786421	2.40E-99
0.00022	0.233502	3.34E-07	0.414976	7.29E-21	0.652156	6.63E-58	0.714347	4.21E-74
0.00315	0.33073	2.21E-13	0.264595	6.38E-09	0.478332	4.48E-28	0.66426	9.42E-61
0.73442	0.143088	0.00194	0.539123	1.44E-36	0.510773	2.15E-32	0.612342	2.13E-49
0.12496	0.202608	1.02E-05	0.257568	1.64E-08	0.352403	4.22E-15	0.401119	1.77E-19
0.29431	0.115739	0.01232	0.354137	3.03E-15	0.318614	1.77E-12	0.44196	9.44E-24
0.32674	0.159858	0.00053	0.408611	3.21E-20	0.337193	7.01E-14	0.469044	6.39E-27
2.95E-07	0.2786	9.00E-10	0.485556	5.36E-29	0.621431	3.11E-51	0.597	1.96E-46
0.06526	0.271203	2.57E-09	0.677445	5.21E-64	0.537078	2.97E-36	0.567262	4.03E-41
0.5855	0.272334	2.19E-09	0.60653	2.95E-48	0.762492	5.68E-90	0.885499	#####
0.19218	-0.10541	0.02272	-0.20908	5.20E-06	-0.29889	4.31E-11	-0.38127	1.32E-17
1.33E-05	-0.2292	5.54E-07	-0.24503	8.19E-08	-0.35912	1.16E-15	-0.50055	5.54E-31
2.91E-05	-0.22895	5.71E-07	-0.19245	2.83E-05	-0.4552	2.89E-25	-0.58015	2.34E-43
0.28412	0.077192	0.09568	0.133803	0.00377	0.298872	4.32E-11	0.425094	6.46E-22
0.35806	0.24679	6.57E-08	0.16773	0.00027	0.357855	1.48E-15	0.533177	1.17E-35
0.10854	0.199256	1.44E-05	0.709921	8.27E-73	0.653529	3.20E-58	0.730342	5.41E-79
2.00E-05	0.25459	2.42E-08	0.259615	1.25E-08	0.225405	8.59E-07	0.406018	5.82E-20
6.58E-07	0.279454	7.96E-10	0.31795	1.98E-12	0.380404	1.58E-17	0.543277	3.26E-37
0.31585	0.311808	5.47E-12	0.729978	7.06E-79	0.766058	2.69E-91	0.8199	#####
0.79787	0.141764	0.00213	0.180399	8.85E-05	0.296965	5.81E-11	0.446925	2.60E-24
4.60E-06	0.374233	5.68E-17	0.683668	1.32E-65	0.701174	2.54E-70	0.85471	#####
2.06E-29	-0.15759	0.00063	-0.21461	2.87E-06	-0.23372	3.25E-07	-0.29807	4.90E-11
0.02978	0.085633	0.06446	0.097207	0.03573	0.284917	3.59E-10	0.382374	1.05E-17
0.12298	0.316395	2.57E-12	0.538135	2.05E-36	0.61757	1.90E-50	0.712832	1.17E-73
0.10799	-0.19527	2.14E-05	-0.41775	3.78E-21	-0.28828	2.18E-10	-0.4643	2.41E-26
0.25308	0.19427	2.37E-05	0.454018	3.97E-25	0.645204	2.50E-56	0.718765	2.03E-75
0.15568	0.273919	1.75E-09	0.239238	1.67E-07	0.362597	5.88E-16	0.533935	8.95E-36
0.00012	0.27004	3.02E-09	0.491841	8.10E-30	0.541653	5.84E-37	0.672727	7.98E-63
0.00301	0.194973	2.21E-05	0.338259	5.79E-14	0.664212	9.68E-61	0.779223	2.11E-96
0.39193	0.428099	3.10E-22	0.386678	4.19E-18	0.546182	1.14E-37	0.649285	3.00E-57
0.00037	0.221625	1.32E-06	0.403916	9.39E-20	0.313887	3.89E-12	0.517283	2.56E-33
0.40929	0.261425	9.79E-09	0.357845	1.49E-15	0.587656	1.05E-44	0.701581	1.96E-70
1.17E-06	0.324281	6.77E-13	0.456872	1.84E-25	0.664684	7.45E-61	0.854827	#####
1.94E-07	0.140169	0.0024	0.678586	2.67E-64	0.684549	7.77E-66	0.672807	7.62E-63
0.85964	0.165239	0.00034	0.395113	6.72E-19	0.345377	1.58E-14	0.463332	3.14E-26

0.41296	0.06008	0.19496	0.434785	5.87E-23	0.475201	1.11E-27	0.470892	3.79E-27
1.84E-11	0.300182	3.52E-11	0.368925	1.67E-16	0.536458	3.70E-36	0.714326	4.26E-74
0.31739	0.150032	0.00115	0.284719	3.69E-10	0.394918	7.01E-19	0.483268	1.06E-28
0.69355	0.090209	0.05139	0.388737	2.69E-18	0.432624	1.01E-22	0.520944	7.58E-34
0.06126	0.348604	8.64E-15	0.351787	4.74E-15	0.389605	2.23E-18	0.660167	8.95E-60
0.25261	0.158684	0.00058	0.247024	6.37E-08	0.54755	6.92E-38	0.534654	6.96E-36
3.18E-15	0.159815	0.00053	0.323149	8.22E-13	0.317212	2.24E-12	0.401145	1.76E-19
2.59E-05	-0.37539	4.48E-17	-0.22052	1.49E-06	-0.51075	2.16E-32	-0.66115	5.23E-60
0.7253	0.088153	0.05696	0.517474	2.40E-33	0.752034	3.24E-86	0.774355	1.79E-94
0.95377	0.269273	3.36E-09	0.456475	2.05E-25	0.717137	6.24E-75	0.816796	#####
2.62E-05	0.302109	2.60E-11	0.399258	2.68E-19	0.585426	2.66E-44	0.646842	1.07E-56
0.02488	0.327904	3.62E-13	0.468253	7.98E-27	0.4869	3.59E-29	0.601384	2.89E-47
0.76428	0.213353	3.29E-06	0.53963	1.20E-36	0.510257	2.54E-32	0.567761	3.31E-41
0.89188	0.071206	0.12439	0.421717	1.46E-21	0.298245	4.76E-11	0.337309	6.87E-14
8.66E-16	0.328027	3.54E-13	0.368687	1.75E-16	0.388868	2.62E-18	0.543599	2.90E-37
0.01899	0.344306	1.92E-14	0.057877	0.21187	0.228374	6.10E-07	0.395522	6.14E-19
3.22E-09	0.248175	5.51E-08	0.202168	1.07E-05	0.235337	2.68E-07	0.44292	7.37E-24
0.0218	-0.30044	3.38E-11	-0.08566	0.06436	-0.39744	4.02E-19	-0.45024	1.09E-24
0.67261	0.159676	0.00053	0.315802	2.83E-12	0.513808	8.01E-33	0.617544	1.93E-50
6.73E-07	0.254631	2.40E-08	0.198879	1.49E-05	0.247726	5.83E-08	0.482822	1.20E-28
0.09316	-0.19237	2.85E-05	-0.28717	2.57E-10	-0.37838	2.41E-17	-0.54273	3.98E-37
0.91656	0.266848	4.69E-09	0.356801	1.82E-15	0.532317	1.57E-35	0.595357	3.98E-46
0.01588	0.024531	0.59695	0.280685	6.66E-10	0.416257	5.39E-21	0.402181	1.39E-19
1.12E-07	0.323216	8.12E-13	0.326594	4.54E-13	0.378329	2.44E-17	0.613857	1.06E-49
0.00504	0.254332	2.50E-08	0.388353	2.93E-18	0.569996	1.38E-41	0.632453	1.54E-53
0.00011	0.218474	1.88E-06	0.159358	0.00055	0.291489	1.34E-10	0.385098	5.87E-18
1.66E-06	0.173504	0.00016	0.147927	0.00135	0.271099	2.61E-09	0.409548	2.59E-20
0.26064	0.235585	2.60E-07	0.296442	6.30E-11	0.379306	1.99E-17	0.543065	3.52E-37
1.12E-07	0.421215	1.65E-21	0.61524	5.61E-50	0.804555	#####	0.887666	#####
0.00597	0.23213	3.93E-07	0.335181	1.01E-13	0.350493	6.05E-15	0.498747	9.71E-31
7.97E-07	-0.30649	1.29E-11	-0.24099	1.35E-07	-0.32355	7.67E-13	-0.51932	1.31E-33
0.00032	0.159043	0.00056	0.687766	1.11E-66	0.707257	4.84E-72	0.710872	4.38E-73
6.51E-05	0.307538	1.09E-11	0.786407	2.43E-99	0.760426	3.25E-89	0.829539	#####
0.00021	0.157034	0.00066	0.484737	6.84E-29	0.665495	4.74E-61	0.687572	1.25E-66
0.32183	0.246038	7.22E-08	0.266423	4.97E-09	0.522851	4.00E-34	0.521171	7.03E-34
0.1416	0.323246	8.08E-13	0.480744	2.22E-28	0.671725	1.41E-62	0.727737	3.58E-78
0.12063	0.161499	0.00046	0.414093	8.97E-21	0.321531	1.08E-12	0.435312	5.14E-23
0.20672	0.217213	2.16E-06	0.451727	7.32E-25	0.489374	1.71E-29	0.513326	9.38E-33
0.10739	-0.13047	0.00474	-0.22585	8.16E-07	-0.35542	2.37E-15	-0.33991	4.29E-14
0.00024	-0.20076	1.23E-05	-0.15534	0.00076	-0.3985	3.17E-19	-0.45934	9.42E-26
0.19791	0.277842	1.00E-09	0.356464	1.94E-15	0.326829	4.36E-13	0.499799	7.00E-31
0.69658	0.248063	5.59E-08	0.331462	1.94E-13	0.32258	9.05E-13	0.467237	1.06E-26
0.21576	0.143207	0.00192	0.543669	2.83E-37	0.488355	2.32E-29	0.535032	6.10E-36
0.10265	0.012317	0.79065	0.305896	1.42E-11	0.465216	1.86E-26	0.417547	3.97E-21
0.01263	0.259417	1.28E-08	0.671537	1.58E-62	0.771986	1.49E-93	0.742728	4.99E-83

1.55E-13	0.289126	1.92E-10	0.116147	0.01201	0.316355	2.58E-12	0.473157	1.99E-27
2.74E-05	0.088093	0.05713	0.597147	1.84E-46	0.614678	7.27E-50	0.647349	8.24E-57
0.32539	0.146625	0.00149	0.373939	6.03E-17	0.350192	6.41E-15	0.407814	3.86E-20
0.0172	0.258455	1.45E-08	0.799696	#####	0.709562	1.05E-72	0.741601	1.19E-82
0.82881	0.391371	1.52E-18	0.351919	4.62E-15	0.332382	1.65E-13	0.508781	4.08E-32
0.0011	0.10381	0.02487	0.294218	8.86E-11	0.348341	9.07E-15	0.48422	7.97E-29
1.02E-06	0.209434	5.01E-06	0.391055	1.63E-18	0.56408	1.39E-40	0.496238	2.11E-30
5.58E-11	-0.3084	9.53E-12	-0.30738	1.12E-11	-0.54995	2.87E-38	-0.63381	7.86E-54
0.02027	0.394122	8.36E-19	0.38958	2.25E-18	0.432913	9.38E-23	0.633324	1.00E-53
1.91E-05	0.105481	0.02262	0.555861	3.18E-39	0.735572	1.14E-80	0.748521	5.38E-85
0.00024	0.281799	5.66E-10	0.388361	2.92E-18	0.518791	1.55E-33	0.636103	2.52E-54
1.34E-05	-0.1864	5.06E-05	-0.34383	2.09E-14	-0.42941	2.24E-22	-0.57439	2.40E-42
3.11E-06	0.340335	3.97E-14	0.402746	1.22E-19	0.647718	6.80E-57	0.663681	1.30E-60
0.13701	0.196838	1.83E-05	0.30746	1.11E-11	0.411758	1.55E-20	0.490231	1.32E-29
0.09131	0.080945	0.08057	0.37111	1.07E-16	0.485667	5.18E-29	0.466106	1.46E-26
0.00296	0.306025	1.40E-11	0.289111	1.92E-10	0.270831	2.71E-09	0.411849	1.52E-20
0.56567	0.194321	2.35E-05	0.092529	0.04566	0.235696	2.57E-07	0.419238	2.65E-21
2.49E-09	0.348613	8.62E-15	0.238903	1.74E-07	0.447563	2.20E-24	0.695828	7.60E-69
0.43485	0.07001	0.13086	0.100269	0.03027	0.33622	8.35E-14	0.356371	1.98E-15
0.00081	-0.25687	1.79E-08	-0.34385	2.09E-14	-0.35672	1.85E-15	-0.50285	2.69E-31
1.64E-07	-0.33509	1.02E-13	-0.3446	1.82E-14	-0.32456	6.45E-13	-0.4779	5.08E-28
0.00141	0.30387	1.97E-11	0.308641	9.16E-12	0.321929	1.01E-12	0.552828	9.88E-39
0.03597	0.318459	1.82E-12	0.397241	4.20E-19	0.46576	1.60E-26	0.632347	1.62E-53
0.00711	0.397698	3.79E-19	0.215375	2.64E-06	0.534456	7.46E-36	0.675626	1.50E-63
0.8216	-0.19057	3.39E-05	-0.24874	5.13E-08	-0.35955	1.07E-15	-0.47969	3.02E-28
0.8365	0.386465	4.39E-18	0.293888	9.32E-11	0.574299	2.49E-42	0.70292	8.24E-71
0.00026	-0.15773	0.00062	-0.21803	1.97E-06	-0.27417	1.69E-09	-0.36305	5.38E-16
9.41E-05	0.054411	0.24058	0.532599	1.43E-35	0.429715	2.08E-22	0.375809	4.11E-17
4.87E-05	0.423187	1.03E-21	0.328776	3.11E-13	0.623466	1.19E-51	0.764743	8.34E-91
0.08371	-0.24944	4.69E-08	-0.31654	2.51E-12	-0.34169	3.10E-14	-0.4171	4.41E-21
0.88168	0.213786	3.14E-06	0.440618	1.33E-23	0.344804	1.75E-14	0.373114	7.14E-17
2.91E-07	-0.28891	1.98E-10	-0.22368	1.05E-06	-0.3604	9.04E-16	-0.60023	4.80E-47
5.26E-05	0.209523	4.96E-06	0.191065	3.24E-05	0.194141	2.40E-05	0.449931	1.18E-24
0.03902	0.222401	1.21E-06	0.42872	2.66E-22	0.409056	2.90E-20	0.428967	2.50E-22
0.1119	0.248704	5.15E-08	0.093067	0.04441	0.329579	2.70E-13	0.486291	4.31E-29
0.08706	0.048226	0.29834	0.270014	3.03E-09	0.448266	1.83E-24	0.411064	1.82E-20
0.23459	0.097747	0.03471	0.620945	3.92E-51	0.716518	9.55E-75	0.743197	3.48E-83
0.01012	0.253257	2.87E-08	0.262918	8.01E-09	0.441892	9.61E-24	0.552318	1.19E-38
0.00942	0.28907	1.93E-10	0.378568	2.32E-17	0.57078	1.01E-41	0.623033	1.46E-51
0.1545	0.407156	4.49E-20	0.450178	1.10E-24	0.559852	7.02E-40	0.713335	8.35E-74
0.00431	0.179691	9.44E-05	0.127369	0.00585	0.36322	5.20E-16	0.452074	6.68E-25
0.00473	0.175119	0.00014	0.030578	0.50979	0.28047	6.87E-10	0.408563	3.25E-20
0.00216	0.231337	4.31E-07	0.576861	8.90E-43	0.626188	3.23E-52	0.590484	3.19E-45
0.44709	0.103748	0.02496	0.456163	2.23E-25	0.378676	2.27E-17	0.410501	2.07E-20
0.60322	0.272901	2.02E-09	0.194133	2.40E-05	0.422129	1.33E-21	0.53137	2.18E-35

0.6629	0.200547	1.26E-05	0.335035	1.03E-13	0.371882	9.18E-17	0.436501	3.81E-23
2.81E-07	0.297576	5.28E-11	0.086661	0.06131	0.275438	1.41E-09	0.430647	1.65E-22
0.00337	0.191667	3.05E-05	0.57477	2.06E-42	0.739317	6.80E-82	0.735457	1.24E-80
0.10441	0.091992	0.04694	0.408416	3.36E-20	0.42412	8.19E-22	0.434558	6.21E-23
1.33E-05	0.353183	3.64E-15	0.248049	5.60E-08	0.516174	3.69E-33	0.60526	5.20E-48
0.00163	0.133636	0.00381	0.461531	5.17E-26	0.508279	4.80E-32	0.468371	7.72E-27
0.00045	0.145699	0.00159	0.334254	1.19E-13	0.703868	4.45E-71	0.71707	6.54E-75
2.21E-07	0.270101	2.99E-09	0.437837	2.71E-23	0.497807	1.30E-30	0.683527	1.43E-65
0.00053	0.272733	2.07E-09	0.394886	7.06E-19	0.565115	9.29E-41	0.7026	1.01E-70
0.00787	-0.06131	0.18598	-0.33609	8.55E-14	-0.38047	1.56E-17	-0.34311	2.39E-14
0.20056	0.152324	0.00096	0.37337	6.78E-17	0.478011	4.92E-28	0.499758	7.09E-31
0.30689	-0.20801	5.82E-06	-0.07764	0.09376	-0.28204	5.47E-10	-0.36147	7.33E-16
0.40399	0.183281	6.78E-05	0.397089	4.34E-19	0.494518	3.58E-30	0.54577	1.32E-37
5.91E-11	0.26126	1.00E-08	0.486092	4.57E-29	0.502436	3.07E-31	0.614807	6.86E-50
0.04803	0.370695	1.17E-16	0.260661	1.08E-08	0.541045	7.26E-37	0.733578	5.02E-80
0.80217	0.221476	1.34E-06	0.550225	2.59E-38	0.621203	3.47E-51	0.660483	7.53E-60
0.94146	0.17239	0.00018	0.424968	6.66E-22	0.727132	5.53E-78	0.81671	#####
0.11625	0.283696	4.29E-10	0.489167	1.82E-29	0.639113	5.58E-55	0.708053	2.86E-72
0.08016	0.276612	1.20E-09	0.199554	1.40E-05	0.304325	1.83E-11	0.478664	4.07E-28
0.12071	0.239081	1.71E-07	0.402921	1.18E-19	0.638479	7.68E-55	0.738073	1.74E-81
6.89E-05	0.258904	1.37E-08	0.554359	5.58E-39	0.589927	4.04E-45	0.744629	1.14E-83
0.009	0.106618	0.0212	0.151844	0.001	0.367805	2.09E-16	0.353463	3.45E-15
0.67695	0.313763	3.97E-12	0.47603	8.72E-28	0.58692	1.43E-44	0.650952	1.25E-57
7.79E-06	-0.01315	0.77677	0.487736	2.80E-29	0.426877	4.18E-22	0.34883	8.28E-15
0.00145	0.528272	6.35E-35	0.360076	9.63E-16	0.490779	1.12E-29	0.707732	3.54E-72
0.00386	0.218073	1.96E-06	0.38369	7.92E-18	0.393584	9.40E-19	0.516995	2.82E-33
1.26E-05	0.344371	1.90E-14	0.443123	6.99E-24	0.663421	1.50E-60	0.828885	#####
0.01286	0.265113	5.95E-09	0.482429	1.35E-28	0.714683	3.34E-74	0.834973	#####
0.267	0.289432	1.83E-10	0.505303	1.24E-31	0.752043	3.22E-86	0.87366	#####
2.04E-06	0.089355	0.05365	0.500461	5.69E-31	0.441994	9.36E-24	0.470217	4.59E-27
0.07945	0.355949	2.14E-15	0.441036	1.20E-23	0.781703	2.10E-97	0.835076	#####
0.32322	0.278289	9.41E-10	0.473116	2.01E-27	0.486684	3.83E-29	0.560236	6.07E-40
0.40403	0.382054	1.12E-17	0.171614	0.00019	0.449381	1.36E-24	0.588397	7.69E-45
0.02823	0.063442	0.17109	0.256615	1.85E-08	0.456397	2.09E-25	0.549074	3.96E-38
0.00026	0.251814	3.46E-08	0.756048	1.23E-87	0.75858	1.52E-88	0.798879	#####
0.21088	0.316239	2.63E-12	0.609487	7.79E-49	0.55571	3.36E-39	0.718185	3.03E-75
2.38E-07	-0.34547	1.55E-14	-0.35433	2.92E-15	-0.48983	1.49E-29	-0.65486	1.57E-58
0.2215	0.163779	0.00038	0.554351	5.60E-39	0.523265	3.48E-34	0.630713	3.60E-53
0.27136	0.25236	3.23E-08	0.507941	5.34E-32	0.68618	2.91E-66	0.82951	#####
0.00056	0.4336	7.90E-23	0.547157	7.98E-38	0.604582	7.04E-48	0.766162	2.46E-91
4.31E-05	0.251783	3.48E-08	0.395999	5.53E-19	0.410992	1.85E-20	0.479638	3.06E-28
0.00325	0.310278	7.02E-12	0.285116	3.48E-10	0.290366	1.59E-10	0.40147	1.63E-19
0.58342	0.170226	0.00022	0.348649	8.56E-15	0.354802	2.67E-15	0.423871	8.70E-22
0.02615	0.143578	0.00187	0.146003	0.00156	0.393178	1.03E-18	0.466167	1.43E-26
0.39053	0.40046	2.05E-19	0.189404	3.80E-05	0.33507	1.03E-13	0.577595	6.61E-43



0.88632	0.198112	1.61E-05	0.221413	1.35E-06	0.283838	4.20E-10	0.378628	2.29E-17
0.29934	0.258006	1.54E-08	0.218937	1.78E-06	0.294388	8.64E-11	0.445229	4.05E-24
0.01079	0.130969	0.00458	0.305123	1.61E-11	0.298622	4.49E-11	0.37972	1.82E-17
0.22492	0.120849	0.00894	0.136531	0.00311	0.30363	2.04E-11	0.367508	2.22E-16
0.71508	0.262185	8.84E-09	0.379321	1.98E-17	0.452949	5.29E-25	0.587054	1.35E-44
0.91768	0.368025	2.00E-16	0.503483	2.20E-31	0.589247	5.38E-45	0.678	3.77E-64
0.00256	0.424447	7.56E-22	0.554984	4.42E-39	0.617403	2.06E-50	0.751661	4.38E-86
8.71E-09	0.360289	9.24E-16	0.366037	2.98E-16	0.509712	3.03E-32	0.672015	1.20E-62
1.15E-05	0.265974	5.29E-09	0.396178	5.31E-19	0.467179	1.08E-26	0.530013	3.49E-35
0.31756	0.338802	5.25E-14	0.162365	0.00043	0.423479	9.56E-22	0.595043	4.56E-46
2.59E-05	0.270362	2.89E-09	0.303944	1.95E-11	0.473177	1.98E-27	0.499747	7.12E-31
0.11057	0.374262	5.65E-17	0.299356	4.01E-11	0.597917	1.32E-46	0.745078	8.07E-84
0.0014	-0.2467	6.64E-08	-0.37378	6.22E-17	-0.42835	2.91E-22	-0.49149	9.01E-30
8.90E-09	0.085919	0.06357	0.448587	1.68E-24	0.562461	2.59E-40	0.625978	3.57E-52
9.03E-09	0.13412	0.00369	0.214312	2.96E-06	0.442995	7.23E-24	0.494243	3.90E-30
0.00074	0.294651	8.30E-11	0.691548	1.09E-67	0.67648	9.15E-64	0.797441	#####
0.06924	0.146384	0.00151	0.309344	8.18E-12	0.620446	4.95E-51	0.695889	7.32E-69
7.87E-15	0.191737	3.03E-05	0.440056	1.54E-23	0.632227	1.72E-53	0.707166	5.14E-72
0.00879	0.143901	0.00182	0.668777	7.53E-62	0.426436	4.66E-22	0.515024	5.38E-33
0.05044	0.16279	0.00041	0.247369	6.10E-08	0.266254	5.09E-09	0.339621	4.52E-14
0.83632	0.362297	6.24E-16	0.218058	1.96E-06	0.559725	7.37E-40	0.754276	5.27E-87
0.62348	0.344907	1.72E-14	0.367072	2.42E-16	0.491466	9.08E-30	0.691894	8.84E-68
0.02616	0.254969	2.30E-08	0.460039	7.78E-26	0.582522	8.85E-44	0.664882	6.67E-61
0.08716	0.1898	3.66E-05	0.45528	2.83E-25	0.447107	2.48E-24	0.55391	6.60E-39
1.70E-05	0.313812	3.94E-12	0.297746	5.15E-11	0.570616	1.08E-41	0.666952	2.10E-61
0.3212	0.283632	4.33E-10	0.251899	3.42E-08	0.191877	2.99E-05	0.404055	9.10E-20
0.17707	0.228249	6.19E-07	0.31449	3.52E-12	0.359931	9.91E-16	0.521246	6.85E-34
0.01068	0.171574	0.00019	0.308687	9.09E-12	0.381436	1.27E-17	0.411134	1.79E-20
2.90E-06	0.234682	2.90E-07	0.221251	1.38E-06	0.303481	2.09E-11	0.507591	5.98E-32
0.0006	0.232096	3.94E-07	0.151746	0.001	0.228568	5.96E-07	0.395482	6.19E-19
1.07E-06	-0.35069	5.83E-15	-0.25373	2.70E-08	-0.40732	4.32E-20	-0.62412	8.67E-52
0.22371	0.409202	2.80E-20	0.403608	1.01E-19	0.540514	8.78E-37	0.627642	1.60E-52
0.08079	0.022037	0.63478	0.247042	6.36E-08	0.354086	3.06E-15	0.3326	1.59E-13
0.36853	-0.1712	0.0002	-0.22452	9.51E-07	-0.21456	2.89E-06	-0.39953	2.52E-19
2.45E-19	-0.30558	1.50E-11	-0.28661	2.79E-10	-0.53262	1.42E-35	-0.6507	1.43E-57
5.01E-08	0.302213	2.56E-11	0.266096	5.20E-09	0.489131	1.84E-29	0.740128	3.67E-82
0.32073	0.291545	1.33E-10	0.477595	5.55E-28	0.607206	2.18E-48	0.77321	4.99E-94
0.09687	0.209244	5.11E-06	0.220235	1.54E-06	0.483353	1.03E-28	0.578558	4.48E-43
0.00555	0.148805	0.00126	0.353715	3.29E-15	0.402509	1.29E-19	0.478816	3.89E-28
0.34127	0.422509	1.21E-21	0.232853	3.61E-07	0.461166	5.71E-26	0.669653	4.59E-62
2.03E-10	0.214256	2.98E-06	0.208726	5.40E-06	0.384087	7.28E-18	0.487396	3.10E-29
2.57E-23	0.198091	1.62E-05	0.306268	1.34E-11	0.546084	1.18E-37	0.624533	7.13E-52
5.09E-09	0.40582	6.09E-20	0.196826	1.84E-05	0.266318	5.05E-09	0.435782	4.56E-23
0.90644	0.121068	0.00882	0.28731	2.52E-10	0.351116	5.38E-15	0.404731	7.81E-20
0.00047	-0.24187	1.21E-07	-0.11329	0.0143	-0.25581	2.06E-08	-0.45318	4.97E-25

0.00064	0.051088	0.27055	0.532525	1.46E-35	0.566403	5.63E-41	0.586121	1.99E-44
0.00225	0.102468	0.02681	0.698265	1.63E-69	0.706994	5.76E-72	0.702902	8.33E-71
0.27357	0.322453	9.25E-13	0.424562	7.35E-22	0.427066	3.99E-22	0.548783	4.40E-38
0.27076	0.215291	2.66E-06	0.230266	4.89E-07	0.318476	1.81E-12	0.48836	2.32E-29
0.00753	0.010455	0.82172	0.630186	4.66E-53	0.658075	2.79E-59	0.472585	2.34E-27
2.37E-06	0.3367	7.66E-14	0.384849	6.19E-18	0.614725	7.12E-50	0.801682	#####
2.47E-10	-0.26872	3.63E-09	-0.30851	9.36E-12	-0.39308	1.05E-18	-0.54048	8.90E-37
0.00081	0.127096	0.00595	0.610402	5.15E-49	0.719494	1.22E-75	0.748497	5.48E-85
0.08908	0.134235	0.00366	0.228547	5.98E-07	0.324667	6.33E-13	0.406055	5.77E-20
0.79248	0.044292	0.33955	0.536238	3.99E-36	0.586901	1.44E-44	0.570049	1.35E-41
0.28222	0.464841	2.07E-26	0.483319	1.04E-28	0.52112	7.15E-34	0.728725	1.75E-78
0.004	0.358873	1.22E-15	0.405357	6.77E-20	0.418461	3.19E-21	0.669054	6.44E-62
4.64E-08	0.204999	7.98E-06	0.648791	3.89E-57	0.694996	1.28E-68	0.71178	2.38E-73
0.3616	0.379892	1.76E-17	0.087495	0.05885	0.341957	2.96E-14	0.529093	4.79E-35
0.19793	0.052613	0.2565	0.196498	1.90E-05	0.411357	1.70E-20	0.394543	7.62E-19
0.22985	0.187995	4.35E-05	0.399883	2.33E-19	0.365278	3.46E-16	0.483293	1.05E-28
0.00018	0.323547	7.67E-13	0.181563	7.95E-05	0.373467	6.64E-17	0.500655	5.36E-31
0.13346	0.262883	8.05E-09	0.22608	7.95E-07	0.435017	5.53E-23	0.580429	2.09E-43
0.0433	0.113027	0.01453	0.304206	1.87E-11	0.453593	4.45E-25	0.542429	4.42E-37
0.00194	0.368842	1.70E-16	0.70256	1.04E-70	0.657754	3.32E-59	0.81143	#####
0.00038	-0.27809	9.69E-10	-0.29729	5.53E-11	-0.34413	1.98E-14	-0.49617	2.16E-30
0.00036	-0.3181	1.93E-12	-0.10727	0.02042	-0.27793	9.91E-10	-0.5349	6.39E-36
0.12648	0.202609	1.02E-05	0.487046	3.44E-29	0.707836	3.30E-72	0.687465	1.34E-66
0.0049	0.257923	1.56E-08	0.325051	5.93E-13	0.507061	7.08E-32	0.657296	4.25E-59
0.08343	0.209541	4.95E-06	0.342791	2.54E-14	0.509758	2.98E-32	0.636547	2.02E-54
0.40285	0.323953	7.16E-13	0.098372	0.03356	0.229735	5.21E-07	0.49211	7.47E-30
0.92905	0.250465	4.12E-08	0.367218	2.35E-16	0.588685	6.81E-45	0.589464	4.91E-45
3.11E-05	0.245642	7.59E-08	0.554326	5.65E-39	0.546495	1.02E-37	0.543055	3.53E-37
0.6235	0.372311	8.41E-17	0.177133	0.00012	0.511494	1.70E-32	0.639432	4.75E-55
0.08525	-0.19305	2.67E-05	-0.26078	1.07E-08	-0.23077	4.61E-07	-0.38988	2.10E-18
4.32E-09	-0.1974	1.73E-05	-0.33392	1.26E-13	-0.38609	4.76E-18	-0.47956	3.13E-28
9.51E-08	-0.21789	2.00E-06	-0.31012	7.20E-12	-0.51631	3.53E-33	-0.56697	4.52E-41
0.88035	0.24419	9.09E-08	0.279567	7.83E-10	0.704203	3.58E-71	0.769144	1.83E-92
0.24665	0.218223	1.93E-06	0.250029	4.35E-08	0.513958	7.63E-33	0.656392	6.91E-59
5.94E-25	0.349335	7.53E-15	0.393791	8.98E-19	0.481001	2.06E-28	0.636334	2.25E-54
0.88398	0.271466	2.48E-09	0.74599	3.95E-84	0.786783	1.70E-99	0.80755	#####
0.16018	0.43963	1.72E-23	0.370335	1.26E-16	0.592397	1.42E-45	0.76079	2.39E-89
2.23E-08	0.163839	0.00038	0.389739	2.17E-18	0.453094	5.08E-25	0.43898	2.03E-23
0.00681	0.189788	3.66E-05	0.343985	2.04E-14	0.523327	3.41E-34	0.546545	9.98E-38
0.74584	0.16592	0.00032	0.401894	1.48E-19	0.320542	1.28E-12	0.41209	1.43E-20
0.115	0.183806	6.45E-05	0.488137	2.48E-29	0.432777	9.71E-23	0.628884	8.78E-53
6.32E-11	0.127823	0.00567	0.179777	9.37E-05	0.392375	1.22E-18	0.474577	1.32E-27
0.00075	0.151257	0.00104	0.069573	0.13329	-0.06149	0.18466	0.186223	5.14E-05
0.00692	0.087901	0.05768	0.530781	2.68E-35	0.473803	1.65E-27	0.501862	3.67E-31
1.87E-11	0.188265	4.24E-05	0.369882	1.38E-16	0.61927	8.61E-51	0.715925	1.43E-74

0.00879	0.120575	0.0091	0.264505	6.46E-09	0.408859	3.03E-20	0.480402	2.45E-28
5.66E-12	0.404202	8.80E-20	0.234154	3.09E-07	0.249691	4.54E-08	0.373294	6.88E-17
9.81E-07	0.451349	8.09E-25	0.463939	2.66E-26	0.745229	7.17E-84	0.922443	#####
0.0019	0.437445	3.00E-23	0.443651	6.10E-24	0.577068	8.19E-43	0.825654	#####
0.00023	-0.31658	2.49E-12	-0.21558	2.58E-06	-0.43199	1.18E-22	-0.56957	1.63E-41
0.87044	0.214408	2.93E-06	0.344808	1.75E-14	0.492547	6.54E-30	0.56228	2.77E-40
2.46E-05	0.057264	0.21676	0.573454	3.49E-42	0.485633	5.24E-29	0.522056	5.22E-34
1.84E-21	0.47335	1.88E-27	0.287078	2.60E-10	0.320889	1.21E-12	0.566173	6.16E-41
0.2955	0.172692	0.00018	0.550447	2.39E-38	0.707153	5.19E-72	0.773332	4.47E-94
0.81897	0.37726	3.04E-17	0.477084	6.43E-28	0.709671	9.77E-73	0.717749	4.09E-75
5.53E-10	0.129596	0.00503	0.389725	2.18E-18	0.436824	3.51E-23	0.515753	4.24E-33
0.82368	0.105409	0.02272	0.138367	0.00273	0.225833	8.18E-07	0.392723	1.13E-18
4.49E-06	0.126826	0.00606	0.380751	1.47E-17	0.544723	1.93E-37	0.546112	1.17E-37
0.00136	0.285116	3.48E-10	0.27639	1.24E-09	0.404421	8.38E-20	0.549347	3.58E-38
2.28E-13	-0.29461	8.34E-11	-0.254	2.61E-08	-0.36013	9.53E-16	-0.53145	2.13E-35
0.10267	0.354485	2.84E-15	-0.01135	0.80671	0.174789	0.00015	0.403769	9.71E-20
0.7366	0.564569	1.15E-40	0.375247	4.61E-17	0.660447	7.68E-60	0.840918	#####
0.04586	0.222668	1.17E-06	0.087304	0.0594	0.275732	1.36E-09	0.413039	1.15E-20
1.78E-13	0.145021	0.00168	0.548672	4.59E-38	0.774304	1.87E-94	0.828075	#####
0.00112	-0.0004	0.99308	0.273903	1.76E-09	0.392927	1.09E-18	0.379105	2.07E-17
3.57E-08	-0.15159	0.00102	-0.21054	4.45E-06	-0.34289	2.49E-14	-0.41083	1.92E-20
0.88534	0.220943	1.42E-06	0.306219	1.35E-11	0.335228	9.97E-14	0.442826	7.55E-24
0.30549	0.289101	1.92E-10	0.444906	4.41E-24	0.605702	4.27E-48	0.633605	8.70E-54
0.83439	0.205734	7.39E-06	0.325497	5.49E-13	0.258149	1.51E-08	0.394232	8.15E-19
0.92982	0.29106	1.43E-10	0.576079	1.22E-42	0.750759	9.04E-86	0.844858	#####
0.62251	0.167078	0.00029	0.158222	0.0006	0.421645	1.49E-21	0.530893	2.58E-35
0.07091	0.343135	2.38E-14	0.323842	7.30E-13	0.357195	1.69E-15	0.482286	1.41E-28
0.85511	0.022696	0.62468	0.332819	1.53E-13	0.506834	7.61E-32	0.465245	1.85E-26
0.00078	0.236476	2.34E-07	0.228562	5.97E-07	0.408873	3.02E-20	0.512603	1.19E-32
0.18054	0.17686	0.00012	0.702785	8.99E-71	0.636496	2.07E-54	0.64624	1.46E-56
4.75E-05	-0.27373	1.80E-09	-0.19687	1.83E-05	-0.32186	1.02E-12	-0.45762	1.50E-25
6.95E-16	0.14319	0.00192	0.417105	4.41E-21	0.546578	9.86E-38	0.634062	6.94E-54
0.32952	0.165306	0.00033	0.252875	3.02E-08	0.329129	2.93E-13	0.389566	2.25E-18
0.60028	0.288639	2.06E-10	0.680755	7.46E-65	0.755583	1.81E-87	0.745001	8.57E-84
0.0141	-0.10878	0.0187	-0.14314	0.00193	-0.38693	3.97E-18	-0.39957	2.50E-19
0.03506	-0.32434	6.70E-13	-0.09092	0.04957	-0.26566	5.52E-09	-0.4591	1.01E-25
0.35708	-0.11337	0.01423	-0.20973	4.85E-06	-0.55449	5.31E-39	-0.55616	2.85E-39
0.10772	0.451674	7.42E-25	0.319991	1.40E-12	0.57379	3.05E-42	0.772306	1.12E-93
0.6232	0.091473	0.0482	0.362096	6.49E-16	0.630085	4.89E-53	0.646306	1.42E-56
0.20086	-0.23758	2.05E-07	-0.27613	1.28E-09	-0.38841	2.89E-18	-0.5039	1.93E-31
0.05715	0.192875	2.71E-05	0.24601	7.24E-08	0.518625	1.64E-33	0.474792	1.25E-27
0.44798	-0.15956	0.00054	-0.30139	2.91E-11	-0.40964	2.53E-20	-0.41842	3.23E-21
0.69951	0.066127	0.15365	0.584163	4.50E-44	0.592024	1.66E-45	0.494618	3.47E-30
0.23767	-0.06134	0.18575	0.372724	7.73E-17	0.292151	1.21E-10	0.251994	3.38E-08
0.52866	-0.07987	0.08467	0.519269	1.33E-33	0.47552	1.01E-27	0.363458	4.96E-16

0.08244	0.081749	0.07759	0.27138	2.51E-09	0.353503	3.42E-15	0.399078	2.79E-19
0.00024	0.131727	0.00435	0.141761	0.00213	0.4758	9.32E-28	0.475874	9.12E-28
0.01659	0.131392	0.00445	0.277586	1.04E-09	0.474702	1.28E-27	0.597539	1.55E-46
0.9204	0.128887	0.00528	0.217745	2.03E-06	0.476156	8.41E-28	0.455885	2.40E-25
0.03093	0.151407	0.00103	0.078853	0.08874	0.327829	3.67E-13	0.366622	2.65E-16
0.12641	-0.10979	0.01762	-0.13461	0.00356	-0.32267	8.92E-13	-0.31879	1.72E-12
2.50E-06	0.069172	0.13554	0.218658	1.84E-06	0.366194	2.88E-16	0.403718	9.83E-20
0.18092	0.181894	7.71E-05	0.243109	1.04E-07	0.379644	1.85E-17	0.471933	2.82E-27
0.23582	0.171257	0.0002	0.291788	1.28E-10	0.575355	1.63E-42	0.665183	5.64E-61
0.34455	0.343265	2.33E-14	0.433792	7.53E-23	0.640362	2.97E-55	0.78222	1.29E-97
0.22763	0.268329	3.83E-09	0.533254	1.14E-35	0.806321	#####	0.799915	#####
0.49155	0.292694	1.12E-10	0.352255	4.34E-15	0.55252	1.11E-38	0.687736	1.13E-66
0.47269	0.234699	2.90E-07	0.208323	5.63E-06	0.439705	1.68E-23	0.542735	3.96E-37
0.56896	0.132985	0.00399	0.394737	7.30E-19	0.620071	5.91E-51	0.695938	7.09E-69
0.07261	0.335108	1.02E-13	0.29779	5.11E-11	0.521036	7.35E-34	0.651265	1.06E-57
0.85523	0.312185	5.14E-12	0.488252	2.39E-29	0.74549	5.85E-84	0.873858	#####
0.33271	0.119821	0.00955	0.299444	3.95E-11	0.491857	8.06E-30	0.518873	1.51E-33
0.25057	0.099417	0.03171	0.401392	1.66E-19	0.335082	1.02E-13	0.351394	5.11E-15
0.00368	0.16206	0.00044	0.357367	1.63E-15	0.510514	2.34E-32	0.578371	4.83E-43
2.87E-07	0.06717	0.14726	0.617837	1.68E-50	0.725246	2.13E-77	0.698258	1.64E-69
0.02018	0.168408	0.00026	0.580432	2.09E-43	0.399861	2.34E-19	0.401669	1.56E-19
0.00393	0.164373	0.00036	0.644089	4.44E-56	0.59516	4.34E-46	0.522713	4.19E-34
1.62E-05	-0.31074	6.51E-12	-0.22054	1.49E-06	-0.36289	5.55E-16	-0.57861	4.39E-43
2.55E-08	0.491633	8.63E-30	0.517847	2.12E-33	0.348887	8.19E-15	0.545681	1.37E-37
0.01759	0.161096	0.00047	0.310952	6.29E-12	0.293414	1.00E-10	0.377427	2.94E-17
0.64066	0.303431	2.11E-11	0.44708	2.50E-24	0.38494	6.07E-18	0.5457	1.36E-37
0.08533	0.27465	1.58E-09	0.337786	6.30E-14	0.459927	8.02E-26	0.575332	1.65E-42
0.06579	0.078228	0.0913	0.321868	1.02E-12	0.347165	1.13E-14	0.407547	4.10E-20
1.28E-08	0.291903	1.26E-10	0.369042	1.63E-16	0.593112	1.04E-45	0.678852	2.29E-64
7.76E-14	-0.16719	0.00028	-0.09509	0.03998	-0.28186	5.61E-10	-0.34968	7.05E-15
0.23822	-0.17467	0.00015	-0.15143	0.00103	-0.37171	9.50E-17	-0.33689	7.40E-14
0.00092	0.209344	5.06E-06	0.179413	9.68E-05	0.442501	8.21E-24	0.615552	4.86E-50
0.09045	-0.27243	2.16E-09	-0.31785	2.01E-12	-0.26839	3.80E-09	-0.52641	1.20E-34
0.56277	0.293868	9.35E-11	0.134441	0.00361	0.341319	3.32E-14	0.541351	6.51E-37
0.3078	0.316116	2.69E-12	0.239749	1.57E-07	0.270203	2.95E-09	0.483337	1.03E-28
0.74608	0.241817	1.22E-07	0.484661	6.99E-29	0.672029	1.19E-62	0.683216	1.73E-65
1.99E-05	0.163389	0.00039	0.23457	2.94E-07	0.456591	1.99E-25	0.543422	3.09E-37
0.00565	0.218474	1.88E-06	0.319717	1.47E-12	0.411424	1.67E-20	0.624023	9.10E-52
0.19784	0.241114	1.33E-07	0.320318	1.33E-12	0.465511	1.72E-26	0.472424	2.45E-27
0.10385	0.261511	9.68E-09	0.137828	0.00284	0.300509	3.34E-11	0.503509	2.19E-31
0.0207	0.201855	1.10E-05	0.568449	2.53E-41	0.423954	8.52E-22	0.578562	4.47E-43
0.01182	0.27034	2.90E-09	0.191227	3.18E-05	0.255805	2.06E-08	0.445932	3.37E-24
0.29936	0.651867	7.72E-58	0.298694	4.44E-11	0.443908	5.71E-24	0.651657	8.63E-58
0.1939	0.276213	1.27E-09	0.13855	0.00269	0.440054	1.54E-23	0.50162	3.96E-31
0.9518	0.061149	0.18712	0.741251	1.55E-82	0.730293	5.61E-79	0.668182	1.05E-61

0.08815	0.149478	0.0012	0.290272	1.61E-10	0.460596	6.68E-26	0.5958	3.29E-46
0.00941	0.236636	2.30E-07	0.581253	1.49E-43	0.830323	#####	0.852339	#####
0.02824	0.098614	0.03313	0.380275	1.62E-17	0.497846	1.28E-30	0.460145	7.55E-26
0.00193	0.193226	2.62E-05	0.371629	9.66E-17	0.605923	3.87E-48	0.684622	7.44E-66
0.89649	0.229204	5.54E-07	0.409873	2.40E-20	0.295696	7.07E-11	0.316949	2.34E-12
0.48522	0.371941	9.07E-17	0.379062	2.09E-17	0.709131	1.40E-72	0.743712	2.33E-83
0.40693	0.099848	0.03098	0.310486	6.79E-12	0.474624	1.31E-27	0.507539	6.08E-32
1.88E-06	0.356205	2.04E-15	0.364218	4.27E-16	0.645719	1.92E-56	0.757751	3.03E-88
0.79628	0.127846	0.00566	0.578459	4.66E-43	0.493442	4.98E-30	0.485803	4.98E-29
0.50643	0.244544	8.70E-08	0.149499	0.00119	0.35806	1.43E-15	0.389406	2.33E-18
0.36072	0.274942	1.52E-09	0.50015	6.28E-31	0.737598	2.50E-81	0.792156	#####
0.04404	0.385298	5.63E-18	0.609216	8.81E-49	0.748458	5.65E-85	0.862271	#####
0.00023	0.234122	3.10E-07	0.338284	5.76E-14	0.591835	1.80E-45	0.682592	2.51E-65
0.88592	0.155234	0.00076	0.466704	1.23E-26	0.734918	1.86E-80	0.835866	#####
0.67561	0.311209	6.04E-12	0.482654	1.27E-28	0.77605	3.85E-95	0.905821	#####
0.8508	0.313491	4.15E-12	0.616513	3.11E-50	0.683046	1.91E-65	0.810258	#####
4.07E-10	0.259273	1.30E-08	0.487465	3.03E-29	0.583478	5.97E-44	0.7702	7.24E-93
0.10536	0.183746	6.49E-05	0.148498	0.00129	0.371603	9.71E-17	0.472044	2.73E-27
1.43E-22	0.258042	1.54E-08	0.270818	2.71E-09	0.37806	2.58E-17	0.533971	8.84E-36
0.0543	0.145582	0.00161	0.259897	1.20E-08	0.434132	6.91E-23	0.506236	9.21E-32
0.12187	0.337599	6.52E-14	0.321428	1.10E-12	0.39667	4.76E-19	0.488352	2.32E-29
1.07E-24	0.285597	3.24E-10	0.326341	4.75E-13	0.542383	4.50E-37	0.69235	6.67E-68
0.05496	0.066784	0.1496	0.434175	6.84E-23	0.569207	1.88E-41	0.615808	4.32E-50
0.28648	0.213783	3.14E-06	0.246926	6.45E-08	0.61305	1.54E-49	0.766333	2.12E-91
9.72E-08	0.318064	1.94E-12	0.340656	3.75E-14	0.435077	5.45E-23	0.578656	4.30E-43
0.07316	0.095687	0.03873	0.378855	2.19E-17	0.592169	1.56E-45	0.62181	2.60E-51
0.88732	0.184256	6.19E-05	0.63602	2.63E-54	0.76957	1.26E-92	0.775736	5.13E-95
0.72572	0.1662	0.00031	0.028053	0.54537	0.219751	1.63E-06	0.370104	1.32E-16
0.85436	0.375911	4.02E-17	0.563054	2.06E-40	0.722252	1.78E-76	0.779416	1.76E-96
0.93074	0.117768	0.01086	0.318436	1.82E-12	0.406993	4.66E-20	0.455181	2.91E-25
0.52626	0.187769	4.44E-05	0.399395	2.60E-19	0.660842	6.19E-60	0.730195	6.03E-79
0.75998	0.133353	0.00389	0.54575	1.33E-37	0.784873	1.05E-98	0.81499	#####
0.96098	0.053181	0.25139	0.259827	1.21E-08	0.322675	8.91E-13	0.377582	2.85E-17
0.00385	0.118652	0.01028	0.608618	1.15E-48	0.531078	2.42E-35	0.607492	1.92E-48
1.05E-05	0.253894	2.65E-08	0.339125	4.95E-14	0.546754	9.25E-38	0.675789	1.37E-63
0.38536	0.181661	7.88E-05	0.334906	1.06E-13	0.325119	5.86E-13	0.478593	4.15E-28
0.00447	0.152357	0.00096	0.326436	4.67E-13	0.293012	1.07E-10	0.36357	4.85E-16
1.64E-06	0.400063	2.24E-19	0.349356	7.50E-15	0.47248	2.41E-27	0.682197	3.17E-65
3.34E-05	0.369741	1.42E-16	0.385938	4.91E-18	0.529366	4.36E-35	0.678114	3.53E-64
0.02853	0.169758	0.00023	0.292374	1.17E-10	0.4175	4.01E-21	0.528141	6.64E-35
0.14739	0.317604	2.10E-12	0.576983	8.47E-43	0.798686	#####	0.877681	#####
3.64E-05	0.240668	1.41E-07	0.327489	3.89E-13	0.389143	2.47E-18	0.465648	1.65E-26
0.19913	0.116001	0.01212	0.525607	1.58E-34	0.748218	6.84E-85	0.805639	#####
0.25772	0.274215	1.68E-09	0.654782	1.64E-58	0.723452	7.62E-77	0.705123	1.97E-71
0.61627	0.327875	3.64E-13	0.385149	5.81E-18	0.463459	3.04E-26	0.586813	1.49E-44

0.00646	0.369411	1.51E-16	0.372935	7.41E-17	0.311596	5.67E-12	0.428465	2.83E-22
0.00944	0.177025	0.00012	0.307918	1.03E-11	0.606747	2.68E-48	0.692142	7.58E-68
0.06285	0.367203	2.36E-16	0.425345	6.08E-22	0.769517	1.32E-92	0.739022	8.51E-82
0.58433	0.218493	1.87E-06	0.343766	2.12E-14	0.40365	9.98E-20	0.495571	2.59E-30
2.02E-09	0.25228	3.26E-08	0.575845	1.34E-42	0.54471	1.94E-37	0.677349	5.51E-64
0.0007	0.284675	3.72E-10	0.468833	6.78E-27	0.660697	6.70E-60	0.756637	7.61E-88
2.92E-11	0.408266	3.48E-20	0.315062	3.20E-12	0.563846	1.52E-40	0.775944	4.24E-95
0.00023	0.098569	0.03321	0.252608	3.13E-08	0.377693	2.78E-17	0.451595	7.58E-25
0.49617	0.205255	7.77E-06	0.193829	2.47E-05	0.302859	2.31E-11	0.373777	6.24E-17
0.07621	0.500139	6.30E-31	0.266594	4.86E-09	0.534384	7.65E-36	0.692186	7.38E-68
0.69498	0.211628	3.96E-06	0.38795	3.19E-18	0.728789	1.67E-78	0.789658	#####
0.42066	0.536839	3.23E-36	0.3559	2.16E-15	0.657999	2.91E-59	0.857818	#####
0.12957	0.094427	0.04138	0.219107	1.75E-06	0.454079	3.91E-25	0.459725	8.47E-26
0.02045	-0.23014	4.97E-07	-0.30766	1.07E-11	-0.35219	4.39E-15	-0.39988	2.33E-19
3.34E-07	0.161851	0.00045	0.26785	4.09E-09	0.331742	1.85E-13	0.4225	1.21E-21
0.00011	0.281558	5.87E-10	0.049425	0.28648	0.235555	2.61E-07	0.440155	1.50E-23
5.14E-07	0.453506	4.55E-25	0.558263	1.28E-39	0.515544	4.54E-33	0.681544	4.67E-65
0.00486	0.171396	0.0002	0.714308	4.32E-74	0.768565	3.04E-92	0.748395	5.94E-85
2.33E-05	-0.19716	1.78E-05	-0.36163	7.11E-16	-0.39747	3.99E-19	-0.51715	2.67E-33
2.45E-08	0.22131	1.37E-06	0.552944	9.47E-39	0.54081	7.90E-37	0.645535	2.11E-56
0.28486	0.377642	2.81E-17	0.447737	2.10E-24	0.669652	4.60E-62	0.770873	4.00E-93
0.12295	0.108985	0.01848	0.517536	2.35E-33	0.466377	1.35E-26	0.464592	2.22E-26
0.44768	0.135641	0.00331	0.261546	9.63E-09	0.529646	3.96E-35	0.609166	9.01E-49
0.80801	0.161568	0.00046	0.309017	8.62E-12	0.619825	6.63E-51	0.671505	1.60E-62
0.00156	0.173322	0.00017	0.645445	2.21E-56	0.849514	#####	0.833717	#####
0.54537	0.112501	0.015	0.191876	2.99E-05	0.414751	7.69E-21	0.488847	2.00E-29
0.02743	0.072723	0.11655	0.33959	4.55E-14	0.555879	3.16E-39	0.583873	5.07E-44
7.12E-07	0.080987	0.08041	0.4992	8.44E-31	0.565409	8.29E-41	0.591514	2.06E-45
0.36078	0.185647	5.43E-05	0.421164	1.67E-21	0.566998	4.46E-41	0.592483	1.36E-45
0.00041	0.305588	1.50E-11	0.433689	7.72E-23	0.716434	1.01E-74	0.813922	#####
0.11487	0.160743	0.00049	0.328616	3.20E-13	0.540029	1.04E-36	0.643453	6.15E-56
0.22439	0.15049	0.00111	0.087214	0.05967	0.276622	1.20E-09	0.430236	1.83E-22
0.8812	0.254197	2.54E-08	0.404177	8.85E-20	0.755868	1.43E-87	0.815479	#####
0.3324	0.236451	2.35E-07	0.721295	3.48E-76	0.773144	5.30E-94	0.793777	#####
5.82E-12	0.275257	1.45E-09	0.285206	3.44E-10	0.568498	2.48E-41	0.763596	2.22E-90
0.01266	0.080879	0.08081	0.383627	8.02E-18	0.712751	1.24E-73	0.696492	5.01E-69
5.52E-05	0.222513	1.19E-06	0.461486	5.23E-26	0.484752	6.80E-29	0.567899	3.14E-41
0.39579	0.125543	0.0066	0.268987	3.49E-09	0.485065	6.20E-29	0.617072	2.40E-50
0.31483	0.323709	7.46E-13	0.441827	9.77E-24	0.61003	6.09E-49	0.682272	3.03E-65
0.03002	0.329334	2.82E-13	0.399304	2.65E-19	0.588982	6.01E-45	0.665654	4.34E-61
0.66726	0.278478	9.16E-10	0.57227	5.60E-42	0.805377	#####	0.862583	#####
0.06245	0.23721	2.14E-07	0.004291	0.92632	0.196151	1.96E-05	0.400139	2.20E-19
2.75E-08	0.220035	1.58E-06	0.256612	1.85E-08	0.477216	6.19E-28	0.686796	2.00E-66
0.33524	0.178856	0.0001	0.310003	7.35E-12	0.323089	8.30E-13	0.441518	1.06E-23
0.14904	0.073453	0.11292	0.387975	3.17E-18	0.281404	6.00E-10	0.327824	3.67E-13

7.32E-06	-0.23308	3.51E-07	-0.22781	6.51E-07	-0.42554	5.80E-22	-0.55079	2.10E-38
6.68E-11	0.469709	5.29E-27	0.367815	2.09E-16	0.341455	3.24E-14	0.546388	1.06E-37
2.21E-08	0.103651	0.02509	0.446422	2.97E-24	0.557441	1.75E-39	0.515995	3.91E-33
1.24E-14	0.192224	2.89E-05	0.472189	2.62E-27	0.614956	6.40E-50	0.72961	9.22E-79
5.92E-13	0.33127	2.01E-13	0.371765	9.40E-17	0.452361	6.18E-25	0.657045	4.86E-59
1.41E-08	0.172836	0.00017	0.204702	8.23E-06	0.22525	8.74E-07	0.420138	2.14E-21
0.03202	0.331045	2.09E-13	0.645615	2.02E-56	0.548072	5.72E-38	0.66812	1.09E-61
0.91191	0.314058	3.78E-12	0.307213	1.15E-11	0.515787	4.19E-33	0.605065	5.67E-48
0.6958	0.120915	0.00891	0.632776	1.31E-53	0.676875	7.27E-64	0.645665	1.97E-56
0.65899	0.138897	0.00263	0.512477	1.24E-32	0.626917	2.27E-52	0.651188	1.10E-57
8.98E-29	0.198705	1.52E-05	0.380098	1.69E-17	0.636247	2.35E-54	0.715734	1.63E-74
2.74E-08	0.284058	4.07E-10	0.499973	6.63E-31	0.680606	8.14E-65	0.691186	1.37E-67
7.93E-23	0.313104	4.42E-12	0.277528	1.05E-09	0.515312	4.90E-33	0.627635	1.61E-52
0.55201	0.309436	8.05E-12	0.60167	2.55E-47	0.735358	1.34E-80	0.803019	#####
0.00011	0.287277	2.53E-10	0.427031	4.02E-22	0.33799	6.07E-14	0.499072	8.78E-31
1.65E-07	0.22779	6.53E-07	0.095314	0.0395	0.243783	9.57E-08	0.379444	1.93E-17
0.59956	0.256776	1.82E-08	0.638071	9.42E-55	0.433806	7.50E-23	0.506907	7.44E-32
0.15665	0.280702	6.64E-10	0.420359	2.03E-21	0.608193	1.40E-48	0.692131	7.63E-68
0.60208	0.187483	4.56E-05	0.056996	0.21892	0.334439	1.15E-13	0.480949	2.09E-28
0.00054	0.298185	4.81E-11	0.119255	0.0099	0.251038	3.83E-08	0.405035	7.28E-20
6.88E-14	-0.32743	3.93E-13	-0.29535	7.45E-11	-0.44049	1.38E-23	-0.59858	9.87E-47
0.00108	0.205736	7.39E-06	0.206048	7.15E-06	0.404432	8.35E-20	0.447563	2.20E-24
0.07985	0.229015	5.66E-07	0.192239	2.89E-05	0.29083	1.48E-10	0.429192	2.36E-22
9.46E-06	0.411253	1.74E-20	0.393865	8.84E-19	0.669292	5.64E-62	0.751596	4.61E-86
0.00754	0.404763	7.75E-20	0.571849	6.62E-42	0.693645	2.98E-68	0.76473	8.43E-91
0.74792	0.269959	3.05E-09	0.279988	7.37E-10	0.30978	7.62E-12	0.529056	4.85E-35
6.77E-15	0.16577	0.00032	0.168432	0.00026	0.306142	1.37E-11	0.459502	9.01E-26
0.04693	0.279959	7.40E-10	0.379281	2.00E-17	0.502852	2.69E-31	0.650903	1.28E-57
0.01697	0.336619	7.77E-14	0.337731	6.36E-14	0.320455	1.30E-12	0.523824	2.88E-34
1.07E-10	0.441535	1.05E-23	0.225297	8.70E-07	0.401991	1.45E-19	0.694931	1.33E-68
0.00498	0.421776	1.44E-21	0.443736	5.97E-24	0.757547	3.59E-88	0.924691	#####
0.00049	0.334794	1.08E-13	0.231197	4.39E-07	0.297792	5.11E-11	0.508788	4.07E-32
1.53E-06	0.108889	0.01858	0.4615	5.21E-26	0.432761	9.75E-23	0.42714	3.92E-22
0.23921	0.320758	1.23E-12	0.381089	1.37E-17	0.566867	4.70E-41	0.624264	8.11E-52
5.79E-06	-0.24397	9.35E-08	-0.21713	2.18E-06	-0.32613	4.92E-13	-0.45176	7.26E-25
0.33516	0.279367	8.06E-10	0.383161	8.86E-18	0.592118	1.59E-45	0.656595	6.20E-59
0.01476	0.247959	5.66E-08	0.193867	2.46E-05	0.337359	6.80E-14	0.468691	7.05E-27
0.00197	0.163706	0.00038	0.397824	3.69E-19	0.289424	1.83E-10	0.389709	2.18E-18
8.96E-07	-0.28606	3.03E-10	-0.15607	0.00071	-0.25963	1.24E-08	-0.43088	1.56E-22
5.43E-08	0.255578	2.12E-08	0.307725	1.06E-11	0.354444	2.86E-15	0.517351	2.50E-33
0.42312	0.291241	1.39E-10	0.40905	2.90E-20	0.588398	7.68E-45	0.68675	2.06E-66
9.90E-05	0.216446	2.35E-06	0.429876	2.00E-22	0.615721	4.49E-50	0.596041	2.97E-46
0.00028	0.394352	7.94E-19	0.169999	0.00022	0.336399	8.09E-14	0.582303	9.69E-44
3.30E-10	0.236371	2.37E-07	0.24687	6.50E-08	0.459421	9.21E-26	0.618288	1.36E-50
6.88E-09	0.154877	0.00078	0.095735	0.03864	0.283778	4.24E-10	0.334006	1.24E-13

2.68E-05	-0.14413	0.00179	-0.19365	2.51E-05	-0.33184	1.82E-13	-0.40117	1.75E-19
0.00199	0.280184	7.16E-10	0.304813	1.69E-11	0.339246	4.84E-14	0.479006	3.68E-28
0.3087	0.212608	3.56E-06	0.441767	9.92E-24	0.417633	3.89E-21	0.447877	2.03E-24
1.72E-08	-0.06192	0.18161	-0.04004	0.38797	-0.36348	4.94E-16	-0.39027	1.94E-18
0.02237	0.201864	1.10E-05	0.47537	1.05E-27	0.423916	8.60E-22	0.522951	3.87E-34
4.48E-08	0.364652	3.92E-16	0.182591	7.23E-05	0.467321	1.04E-26	0.596702	2.23E-46
3.61E-06	0.17973	9.41E-05	0.206916	6.53E-06	0.498197	1.15E-30	0.590686	2.93E-45
0.60414	0.174544	0.00015	0.466466	1.32E-26	0.80122	#####	0.856996	#####
0.00213	0.164706	0.00035	0.196749	1.85E-05	0.349449	7.37E-15	0.378767	2.23E-17
0.80799	0.213594	3.20E-06	0.285264	3.41E-10	0.407362	4.28E-20	0.484204	8.01E-29
3.11E-09	-0.22131	1.37E-06	-0.18531	5.61E-05	-0.39295	1.08E-18	-0.48181	1.62E-28
0.49688	0.445048	4.25E-24	0.268932	3.52E-09	0.310809	6.44E-12	0.446248	3.10E-24
0.00124	0.208873	5.31E-06	0.454637	3.36E-25	0.677852	4.11E-64	0.681121	6.00E-65
0.09408	0.400717	1.93E-19	0.322441	9.27E-13	0.419157	2.70E-21	0.569699	1.55E-41
1.81E-09	0.358412	1.33E-15	0.297061	5.72E-11	0.442019	9.30E-24	0.651954	7.37E-58
0.0742	0.342862	2.50E-14	0.594828	5.00E-46	0.677687	4.53E-64	0.756998	5.65E-88
6.28E-06	0.339211	4.87E-14	0.568531	2.45E-41	0.863602	#####	0.877688	#####
0.43744	0.223681	1.05E-06	0.416079	5.62E-21	0.546918	8.71E-38	0.572891	4.37E-42
0.09391	0.173124	0.00017	0.187097	4.73E-05	0.43284	9.55E-23	0.492974	5.74E-30
0.82132	0.181533	7.97E-05	0.653069	4.08E-58	0.783824	2.85E-98	0.813756	#####
0.83918	0.073961	0.11044	0.165292	0.00033	0.323187	8.16E-13	0.392568	1.17E-18
0.76265	0.297497	5.35E-11	0.273875	1.76E-09	0.441308	1.12E-23	0.564065	1.39E-40
0.48581	0.238115	1.92E-07	0.088802	0.05515	0.310444	6.84E-12	0.387457	3.55E-18
0.12377	0.152488	0.00095	0.57769	6.36E-43	0.403794	9.66E-20	0.467659	9.43E-27
0.99787	0.291394	1.36E-10	0.655096	1.39E-58	0.640256	3.13E-55	0.756328	9.81E-88
0.07155	0.00864	0.85227	0.245529	7.69E-08	0.434458	6.37E-23	0.425305	6.14E-22
0.46966	0.547373	7.38E-38	0.376299	3.71E-17	0.526565	1.14E-34	0.674981	2.18E-63
0.001	-0.19386	2.46E-05	-0.18058	8.70E-05	-0.40073	1.93E-19	-0.45374	4.27E-25
0.50332	0.174695	0.00015	0.642829	8.46E-56	0.670063	3.64E-62	0.618328	1.34E-50
0.03677	0.0754	0.10366	0.517636	2.28E-33	0.460134	7.58E-26	0.453492	4.57E-25
2.31E-17	0.26546	5.67E-09	0.416333	5.29E-21	0.46225	4.24E-26	0.615539	4.89E-50
1.40E-08	0.193331	2.59E-05	0.517434	2.44E-33	0.603207	1.29E-47	0.647017	9.79E-57
5.28E-05	0.055801	0.22875	0.478403	4.39E-28	0.350813	5.70E-15	0.390213	1.96E-18
3.68E-05	-0.35636	1.98E-15	-0.1394	0.00254	-0.24415	9.14E-08	-0.45366	4.37E-25
1.36E-14	0.158712	0.00058	0.541611	5.93E-37	0.439128	1.95E-23	0.540075	1.03E-36
3.49E-05	0.181308	8.14E-05	0.67754	4.93E-64	0.626581	2.67E-52	0.596721	2.21E-46
2.42E-05	0.065987	0.15453	0.222558	1.19E-06	0.331476	1.94E-13	0.394668	7.41E-19
0.43232	0.140342	0.00237	0.364459	4.07E-16	0.694349	1.92E-68	0.713577	7.09E-74
0.67718	0.301918	2.68E-11	0.264356	6.59E-09	0.279721	7.66E-10	0.430303	1.80E-22
0.18257	0.267772	4.13E-09	0.061768	0.18269	0.313069	4.45E-12	0.392788	1.12E-18
1.92E-13	-0.30323	2.18E-11	-0.23459	2.93E-07	-0.41782	3.72E-21	-0.58697	1.40E-44
0.02521	-0.17206	0.00019	-0.25679	1.81E-08	-0.29854	4.55E-11	-0.4082	3.53E-20
0.00083	0.235282	2.70E-07	0.544065	2.45E-37	0.592446	1.39E-45	0.706134	1.01E-71
0.02097	0.267511	4.28E-09	0.354514	2.82E-15	0.375675	4.22E-17	0.482819	1.21E-28
0.17425	0.225226	8.77E-07	0.598044	1.25E-46	0.409497	2.62E-20	0.506358	8.86E-32



0.01094	-0.28061	6.73E-10	-0.14159	0.00216	-0.38813	3.07E-18	-0.48991	1.45E-29
0.31802	0.132907	0.00401	0.257735	1.60E-08	0.460048	7.76E-26	0.539031	1.49E-36
0.28305	0.253567	2.76E-08	0.607982	1.54E-48	0.789136	#####	0.847573	#####
0.03098	0.22732	6.89E-07	0.718784	2.00E-75	0.843207	#####	0.853217	#####
7.99E-10	0.166914	0.00029	0.374011	5.94E-17	0.664802	6.98E-61	0.71413	4.87E-74
0.25188	0.102595	0.02662	0.568556	2.43E-41	0.52815	6.62E-35	0.399035	2.82E-19
0.15068	0.235767	2.55E-07	0.692633	5.59E-68	0.787651	#####	0.871158	#####
0.00219	-0.15557	0.00074	-0.28811	2.23E-10	-0.32223	9.61E-13	-0.41731	4.20E-21
1.36E-05	-0.26963	3.20E-09	-0.19384	2.47E-05	-0.32439	6.65E-13	-0.44621	3.14E-24
2.23E-08	-0.30092	3.14E-11	-0.28969	1.76E-10	-0.41853	3.14E-21	-0.60162	2.61E-47
0.22343	-0.13892	0.00262	-0.29174	1.29E-10	-0.42918	2.37E-22	-0.35865	1.27E-15
0.00014	0.304027	1.92E-11	0.380988	1.40E-17	0.412406	1.33E-20	0.543879	2.62E-37
0.03269	0.339589	4.55E-14	0.253939	2.63E-08	0.276146	1.28E-09	0.453273	4.85E-25
6.92E-05	-0.20873	5.40E-06	-0.29126	1.39E-10	-0.34648	1.28E-14	-0.42171	1.47E-21
0.97155	0.223984	1.01E-06	0.16856	0.00025	0.273637	1.83E-09	0.362832	5.61E-16
3.93E-07	0.544747	1.92E-37	0.509165	3.61E-32	0.511695	1.59E-32	0.719805	9.85E-76
0.6049	0.117948	0.01074	0.106757	0.02103	0.286478	2.85E-10	0.355446	2.36E-15
0.84177	0.249677	4.55E-08	0.158648	0.00058	0.314255	3.66E-12	0.45181	7.16E-25
0.57895	0.230751	4.62E-07	0.41734	4.17E-21	0.480715	2.24E-28	0.620889	4.02E-51
0.05256	0.173297	0.00017	0.46538	1.78E-26	0.520686	8.27E-34	0.587429	1.15E-44
0.67028	0.227443	6.79E-07	0.545007	1.75E-37	0.780878	4.54E-97	0.818488	#####
0.61284	0.195586	2.08E-05	0.19012	3.55E-05	0.177206	0.00012	0.27665	1.19E-09
0.00462	0.230357	4.84E-07	0.508772	4.09E-32	0.647312	8.40E-57	0.700031	5.29E-70
0.04588	0.266368	5.01E-09	0.609051	9.49E-49	0.803876	#####	0.893625	#####
0.0006	-0.1028	0.02631	0.031119	0.50232	-0.3512	5.30E-15	-0.37829	2.46E-17
0.53854	0.305278	1.57E-11	0.447491	2.24E-24	0.766899	1.30E-91	0.889764	#####
0.22141	0.246821	6.54E-08	0.193334	2.59E-05	0.520662	8.33E-34	0.663858	1.18E-60
0.39488	0.139781	0.00247	0.212889	3.46E-06	0.393	1.07E-18	0.40082	1.89E-19
0.0087	0.221218	1.38E-06	0.310387	6.90E-12	0.543729	2.77E-37	0.654421	1.99E-58
0.02011	0.224808	9.20E-07	0.248036	5.61E-08	0.311143	6.10E-12	0.50159	4.00E-31
0.65515	0.288736	2.03E-10	0.279982	7.37E-10	0.605647	4.38E-48	0.698532	1.38E-69
1.00E-06	0.34565	1.50E-14	0.175495	0.00014	0.481765	1.64E-28	0.624921	5.93E-52
1.13E-20	0.387682	3.38E-18	0.357181	1.69E-15	0.480858	2.14E-28	0.711751	2.43E-73
0.99636	0.284549	3.79E-10	0.304917	1.67E-11	0.534192	8.19E-36	0.595298	4.09E-46
0.41728	0.310006	7.34E-12	0.274415	1.64E-09	0.308293	9.69E-12	0.5298	3.76E-35
8.91E-06	-0.29705	5.73E-11	-0.24894	5.00E-08	-0.46137	5.39E-26	-0.56104	4.47E-40
0.6849	0.157359	0.00064	0.303591	2.06E-11	0.403061	1.14E-19	0.4493	1.39E-24
0.34102	0.321558	1.08E-12	0.136246	0.00318	0.413704	9.83E-21	0.612017	2.47E-49
0.02621	0.371319	1.03E-16	0.45371	4.31E-25	0.559703	7.43E-40	0.788291	#####
6.88E-05	0.29069	1.52E-10	0.247187	6.25E-08	0.430248	1.82E-22	0.5732	3.87E-42
0.0758	0.182804	7.09E-05	0.18922	3.87E-05	0.340834	3.63E-14	0.450477	1.02E-24
9.91E-12	0.580865	1.75E-43	0.388482	2.85E-18	0.39885	2.94E-19	0.613866	1.06E-49
8.85E-18	0.320146	1.37E-12	0.341323	3.32E-14	0.434211	6.78E-23	0.656199	7.67E-59
0.40956	-0.27117	2.58E-09	-0.11615	0.01201	-0.24247	1.13E-07	-0.40964	2.53E-20
0.00052	0.23295	3.57E-07	0.398083	3.48E-19	0.449438	1.34E-24	0.464411	2.33E-26

0.49556	0.392227	1.26E-18	0.324145	6.93E-13	0.498229	1.14E-30	0.702274	1.25E-70
0.14437	0.098745	0.03289	0.183295	6.77E-05	0.242942	1.06E-07	0.413004	1.16E-20
0.26647	0.293452	9.96E-11	0.639844	3.86E-55	0.788713	#####	0.804124	#####
0.001	0.322902	8.57E-13	0.281012	6.35E-10	0.346766	1.22E-14	0.495909	2.34E-30
0.12257	0.166524	0.0003	0.136196	0.00319	0.307623	1.08E-11	0.345698	1.48E-14
0.00421	0.057138	0.21778	0.387207	3.74E-18	0.346315	1.32E-14	0.466862	1.18E-26
0.00164	0.437686	2.82E-23	0.372391	8.27E-17	0.586163	1.96E-44	0.810936	#####
0.02928	0.051397	0.26767	-0.40512	7.15E-20	-0.36866	1.76E-16	-0.33701	7.24E-14
1.90E-12	0.234796	2.86E-07	0.514095	7.30E-33	0.654465	1.94E-58	0.726817	6.93E-78
0.06522	0.213667	3.18E-06	0.402584	1.27E-19	0.523462	3.26E-34	0.641387	1.76E-55
0.10493	0.255127	2.25E-08	0.365416	3.37E-16	0.605344	5.01E-48	0.690283	2.39E-67
0.79854	-0.28104	6.32E-10	-0.06396	0.16765	-0.2687	3.64E-09	-0.44641	2.98E-24
0.44318	0.076179	0.10013	0.531802	1.88E-35	0.537576	2.49E-36	0.56991	1.42E-41
7.80E-08	-0.22536	8.63E-07	-0.21714	2.17E-06	-0.34637	1.31E-14	-0.48347	9.95E-29
0.72755	0.187649	4.49E-05	0.101882	0.0277	0.279904	7.46E-10	0.404696	7.87E-20
0.88239	0.157619	0.00063	0.307636	1.08E-11	0.46988	5.04E-27	0.559006	9.69E-40
0.02729	0.257425	1.67E-08	0.56222	2.84E-40	0.749818	1.92E-85	0.850519	#####
0.21255	0.230799	4.60E-07	0.293748	9.52E-11	0.619574	7.46E-51	0.677738	4.39E-64
9.84E-10	0.125493	0.00662	0.299088	4.18E-11	0.438477	2.30E-23	0.459252	9.64E-26
0.64999	0.241823	1.22E-07	0.269946	3.06E-09	0.305259	1.58E-11	0.448486	1.73E-24
0.93809	0.414809	7.58E-21	0.43158	1.31E-22	0.577263	7.57E-43	0.690966	1.57E-67
0.43473	0.16069	0.00049	0.293935	9.26E-11	0.404999	7.34E-20	0.489984	1.42E-29
2.60E-06	0.232314	3.84E-07	0.083966	0.06985	0.333043	1.47E-13	0.398292	3.32E-19
0.2436	0.454547	3.44E-25	0.397664	3.82E-19	0.700114	5.02E-70	0.822748	#####
8.50E-10	0.19167	3.05E-05	0.172858	0.00017	0.222605	1.18E-06	0.43201	1.18E-22
0.99813	0.200178	1.31E-05	0.350221	6.37E-15	0.316582	2.49E-12	0.468812	6.82E-27
0.28572	0.434915	5.68E-23	0.340861	3.61E-14	0.494701	3.39E-30	0.706761	6.72E-72
0.09713	0.300644	3.28E-11	0.357647	1.54E-15	0.532967	1.25E-35	0.638862	6.33E-55
1.31E-05	0.27683	1.16E-09	0.192484	2.82E-05	0.349356	7.50E-15	0.558651	1.11E-39
0.70724	0.114533	0.01326	0.171302	0.0002	0.402863	1.19E-19	0.444288	5.17E-24
2.60E-20	0.12787	0.00565	0.523821	2.88E-34	0.477515	5.68E-28	0.563863	1.51E-40
3.15E-06	0.250447	4.13E-08	0.351583	4.93E-15	0.664616	7.73E-61	0.666998	2.05E-61
1.79E-07	0.275929	1.32E-09	0.282849	4.86E-10	0.43128	1.41E-22	0.642983	7.82E-56
0.13306	0.177005	0.00012	0.333184	1.43E-13	0.598541	1.00E-46	0.70358	5.37E-71
0.4098	0.203087	9.73E-06	0.007199	0.8767	0.281239	6.15E-10	0.397479	3.98E-19
0.10491	0.239321	1.66E-07	0.404155	8.90E-20	0.53699	3.07E-36	0.704573	2.82E-71
0.00267	0.093253	0.04399	0.308469	9.42E-12	0.358231	1.38E-15	0.411348	1.70E-20
0.09316	0.119112	0.00999	0.271444	2.48E-09	0.498721	9.79E-31	0.577456	7.00E-43
0.02999	0.12498	0.00685	0.167059	0.00029	0.329877	2.57E-13	0.41961	2.43E-21
0.91575	0.319873	1.43E-12	0.46968	5.34E-27	0.460127	7.59E-26	0.611397	3.27E-49
0.61342	0.324042	7.05E-13	0.488094	2.51E-29	0.613878	1.05E-49	0.664221	9.63E-61
0.04222	-0.23784	1.98E-07	-0.36931	1.54E-16	-0.43454	6.24E-23	-0.5027	2.82E-31
3.75E-07	0.328193	3.44E-13	0.26633	5.04E-09	0.57192	6.43E-42	0.696156	6.19E-69
1.01E-13	0.359805	1.02E-15	0.203996	8.86E-06	0.378948	2.14E-17	0.566522	5.38E-41
0.81002	0.263429	7.48E-09	0.2755	1.40E-09	0.298273	4.74E-11	0.42048	1.97E-21

0.18386	0.264312	6.63E-09	0.137078	0.00299	0.174055	0.00016	0.261472	9.73E-09
1.22E-06	0.24802	5.62E-08	0.314908	3.28E-12	0.378971	2.13E-17	0.477591	5.55E-28
9.58E-05	0.231398	4.28E-07	0.542999	3.60E-37	0.75551	1.92E-87	0.733338	6.00E-80
0.46622	0.17305	0.00017	0.543957	2.55E-37	0.384935	6.08E-18	0.459629	8.70E-26
0.90032	0.234328	3.03E-07	0.537882	2.24E-36	0.616444	3.22E-50	0.675709	1.43E-63
9.96E-07	0.068055	0.14199	0.273416	1.88E-09	0.325836	5.18E-13	0.427203	3.86E-22
0.90279	0.051011	0.27128	0.382062	1.12E-17	0.350257	6.33E-15	0.294585	8.38E-11
0.27745	0.17456	0.00015	0.393629	9.31E-19	0.389167	2.46E-18	0.432496	1.04E-22
1.60E-06	0.190014	3.58E-05	0.381692	1.21E-17	0.61405	9.71E-50	0.733358	5.91E-80
0.01661	0.177325	0.00012	0.458764	1.10E-25	0.428149	3.06E-22	0.537558	2.51E-36
0.9305	-0.16367	0.00038	-0.20976	4.84E-06	-0.32697	4.25E-13	-0.33662	7.77E-14
0.05384	0.438956	2.04E-23	0.474957	1.19E-27	0.516483	3.33E-33	0.693385	3.50E-68
0.00149	0.355601	2.29E-15	0.343056	2.42E-14	0.354683	2.73E-15	0.604917	6.06E-48
0.53228	0.113911	0.01378	0.038761	0.40333	0.311216	6.03E-12	0.356189	2.05E-15
0.10691	0.192688	2.76E-05	0.282232	5.32E-10	0.342176	2.84E-14	0.443397	6.52E-24
0.00032	0.313069	4.45E-12	0.280512	6.83E-10	0.525003	1.93E-34	0.678274	3.21E-64
0.66208	0.323929	7.19E-13	0.486425	4.14E-29	0.69799	1.94E-69	0.798151	#####
0.11176	0.372876	7.50E-17	0.087793	0.05799	0.219582	1.66E-06	0.482401	1.36E-28
0.00011	0.100361	0.03012	0.350685	5.84E-15	0.417956	3.60E-21	0.419717	2.37E-21
9.81E-05	-0.353	3.77E-15	-0.18275	7.12E-05	-0.36338	5.04E-16	-0.54683	9.01E-38
0.00069	0.362466	6.03E-16	0.460246	7.35E-26	0.75213	3.00E-86	0.879995	#####
0.59823	0.176434	0.00013	0.397756	3.74E-19	0.510476	2.37E-32	0.571606	7.29E-42
0.08419	0.402223	1.38E-19	0.709489	1.10E-72	0.740719	2.34E-82	0.815619	#####
0.58365	0.261247	1.00E-08	0.671909	1.27E-62	0.763598	2.22E-90	0.783313	4.62E-98
0.02162	0.223911	1.02E-06	0.502903	2.65E-31	0.572687	4.74E-42	0.576252	1.14E-42
1.13E-11	0.445451	3.82E-24	0.444989	4.31E-24	0.694304	1.98E-68	0.849795	#####
0.41928	0.149605	0.00118	0.324007	7.09E-13	0.538089	2.08E-36	0.591349	2.21E-45
1.42E-05	0.202424	1.04E-05	0.385589	5.29E-18	0.359184	1.15E-15	0.499795	7.01E-31
2.46E-06	0.304672	1.73E-11	0.230206	4.93E-07	0.435921	4.41E-23	0.587652	1.05E-44
5.55E-09	-0.30462	1.75E-11	-0.30921	8.35E-12	-0.3587	1.26E-15	-0.56802	3.00E-41
0.00017	0.253197	2.90E-08	0.280238	7.11E-10	0.443036	7.15E-24	0.664436	8.55E-61
0.0211	0.117217	0.01124	0.471489	3.20E-27	0.512383	1.28E-32	0.544262	2.28E-37
0.36883	0.226204	7.84E-07	0.240172	1.49E-07	0.416844	4.69E-21	0.529629	3.98E-35
0.68223	0.29491	7.97E-11	0.488768	2.05E-29	0.648933	3.61E-57	0.775216	8.21E-95
0.32764	0.121218	0.00874	0.160109	0.00051	0.433556	7.99E-23	0.505986	9.98E-32
0.04067	0.118945	0.01009	0.23463	2.92E-07	0.3281	3.50E-13	0.40306	1.14E-19
0.00594	0.30638	1.32E-11	0.288791	2.02E-10	0.413687	9.87E-21	0.607477	1.93E-48
0.80057	-0.16096	0.00048	-0.09922	0.03206	-0.3321	1.74E-13	-0.32506	5.92E-13
0.13051	0.28918	1.90E-10	0.304513	1.78E-11	0.338241	5.80E-14	0.426959	4.10E-22
0.04679	-0.18621	5.15E-05	-0.40684	4.82E-20	-0.3275	3.89E-13	-0.42202	1.36E-21
4.14E-07	0.290074	1.66E-10	0.355426	2.37E-15	0.509024	3.78E-32	0.588634	6.96E-45
8.49E-05	0.079365	0.08668	0.469399	5.78E-27	0.570618	1.08E-41	0.476437	7.76E-28
0.057	0.170315	0.00022	0.411212	1.76E-20	0.329222	2.88E-13	0.455668	2.55E-25
0.07139	0.185057	5.74E-05	0.397234	4.20E-19	0.34092	3.57E-14	0.445291	3.98E-24
0.00103	0.511939	1.47E-32	0.465033	1.96E-26	0.701963	1.53E-70	0.875856	#####

0.04129	-0.17702	0.00012	-0.22224	1.23E-06	-0.28093	6.42E-10	-0.3688	1.71E-16
0.86734	0.113488	0.01413	0.363842	4.60E-16	0.598225	1.15E-46	0.641032	2.11E-55
5.50E-05	0.421666	1.48E-21	0.187725	4.46E-05	0.324622	6.38E-13	0.597892	1.33E-46
0.02449	0.098413	0.03349	0.56042	5.66E-40	0.513423	9.09E-33	0.545764	1.33E-37
0.57827	0.220491	1.50E-06	0.103489	0.02532	0.261212	1.01E-08	0.401675	1.56E-19
3.91E-05	0.097437	0.03529	0.521834	5.63E-34	0.592492	1.36E-45	0.667115	1.92E-61
0.00283	0.14772	0.00137	0.300663	3.27E-11	0.333805	1.28E-13	0.40759	4.06E-20
1.30E-11	0.263661	7.24E-09	0.549356	3.57E-38	0.650811	1.35E-57	0.768955	2.16E-92
4.08E-05	-0.29427	8.79E-11	-0.1212	0.00875	-0.304	1.93E-11	-0.47401	1.56E-27
0.09303	0.282449	5.15E-10	0.120582	0.0091	0.299418	3.97E-11	0.413881	9.43E-21
0.30399	0.161893	0.00044	0.448978	1.52E-24	0.510519	2.33E-32	0.504584	1.56E-31
0.22162	0.130897	0.00461	0.452726	5.61E-25	0.523942	2.77E-34	0.597556	1.54E-46
0.3998	-0.27504	1.50E-09	-0.22174	1.30E-06	-0.33912	4.95E-14	-0.41825	3.36E-21
0.00546	0.451721	7.33E-25	0.329885	2.56E-13	0.413295	1.08E-20	0.574736	2.09E-42
2.43E-11	-0.1786	0.0001	-0.31053	6.74E-12	-0.32817	3.46E-13	-0.41258	1.28E-20
0.38333	0.24573	7.50E-08	0.348879	8.20E-15	0.525285	1.76E-34	0.622157	2.21E-51
0.0006	0.212785	3.50E-06	0.714548	3.67E-74	0.632822	1.28E-53	0.677241	5.87E-64
0.38032	0.059667	0.19806	0.204814	8.14E-06	0.329966	2.53E-13	0.414947	7.34E-21
0.00262	0.093925	0.04248	0.477343	5.97E-28	0.409153	2.83E-20	0.468479	7.49E-27
0.03703	0.043869	0.34418	0.270217	2.95E-09	0.081878	0.07712	0.11244	0.01505
6.40E-12	0.232371	3.82E-07	0.440212	1.48E-23	0.435837	4.50E-23	0.567664	3.44E-41
0.00075	0.088968	0.0547	0.377666	2.80E-17	0.309357	8.16E-12	0.369996	1.34E-16
0.0003	0.294205	8.88E-11	0.47259	2.34E-27	0.595201	4.26E-46	0.725061	2.43E-77
9.87E-06	0.247236	6.21E-08	0.464657	2.18E-26	0.604994	5.86E-48	0.715495	1.92E-74
0.07596	0.203349	9.47E-06	0.306603	1.27E-11	0.427657	3.45E-22	0.497607	1.38E-30
0.02053	0.180426	8.82E-05	0.387307	3.66E-18	0.461313	5.48E-26	0.558164	1.33E-39
0.00521	0.086319	0.06234	0.23209	3.95E-07	0.164856	0.00035	0.238077	1.93E-07
2.52E-05	0.362015	6.59E-16	0.567844	3.21E-41	0.660448	7.68E-60	0.737138	3.53E-81
2.34E-05	0.421235	1.64E-21	0.449151	1.45E-24	0.652216	6.42E-58	0.826714	#####
6.55E-06	0.476494	7.63E-28	0.491031	1.04E-29	0.602213	2.01E-47	0.775769	4.97E-95
3.21E-17	0.342075	2.89E-14	0.463335	3.14E-26	0.592839	1.17E-45	0.728298	2.39E-78
5.30E-18	0.317914	1.99E-12	0.343279	2.32E-14	0.46544	1.75E-26	0.60873	1.10E-48
1.28E-15	0.206007	7.18E-06	0.163507	0.00039	0.250862	3.91E-08	0.395423	6.28E-19
7.91E-05	0.181631	7.90E-05	0.351326	5.17E-15	0.375349	4.52E-17	0.471399	3.28E-27
0.00024	0.248248	5.46E-08	0.284597	3.76E-10	0.357736	1.52E-15	0.428454	2.84E-22
0.0223	0.209906	4.76E-06	0.422913	1.10E-21	0.411995	1.47E-20	0.497268	1.54E-30
0.40247	-0.15713	0.00065	-0.24837	5.37E-08	-0.3051	1.62E-11	-0.36074	8.46E-16
2.44E-16	0.321514	1.09E-12	0.35925	1.13E-15	0.45282	5.47E-25	0.547799	6.32E-38
0.00019	0.203975	8.87E-06	0.315191	3.13E-12	0.516789	3.01E-33	0.602451	1.81E-47
0.30057	0.424149	8.13E-22	0.28112	6.25E-10	0.543811	2.69E-37	0.618693	1.13E-50
0.1482	0.338999	5.06E-14	0.168735	0.00025	0.425928	5.27E-22	0.582424	9.22E-44
0.94741	0.22379	1.03E-06	0.470061	4.79E-27	0.839032	#####	0.880485	#####
3.00E-16	0.186585	4.97E-05	0.523785	2.92E-34	0.570613	1.08E-41	0.687303	1.47E-66
4.49E-07	0.392398	1.22E-18	0.463944	2.65E-26	0.61346	1.27E-49	0.73777	2.19E-81
0.00213	0.223309	1.09E-06	0.413642	9.97E-21	0.657735	3.35E-59	0.801001	#####

0.00074	0.303532	2.08E-11	0.275338	1.43E-09	0.362028	6.58E-16	0.474105	1.52E-27
0.00119	0.3826	9.97E-18	0.665674	4.29E-61	0.592291	1.48E-45	0.697637	2.43E-69
0.81943	0.229211	5.53E-07	0.216452	2.35E-06	0.280013	7.34E-10	0.424019	8.39E-22
3.54E-06	-0.29294	1.08E-10	-0.15703	0.00066	-0.42148	1.55E-21	-0.52939	4.33E-35
0.00044	0.339886	4.31E-14	0.250769	3.96E-08	0.468619	7.20E-27	0.587043	1.36E-44
0.01609	0.152277	0.00096	0.437585	2.89E-23	0.436961	3.39E-23	0.421375	1.59E-21
0.56423	0.237896	1.97E-07	0.553072	9.02E-39	0.755345	2.20E-87	0.836883	#####
1.35E-05	0.085015	0.06642	0.411464	1.66E-20	0.422057	1.35E-21	0.486383	4.19E-29
0.0772	0.22479	9.22E-07	0.475836	9.22E-28	0.330522	2.29E-13	0.454604	3.39E-25
0.81627	0.173705	0.00016	0.27926	8.19E-10	0.480796	2.18E-28	0.613947	1.02E-49
0.95588	0.214997	2.75E-06	0.42003	2.19E-21	0.367142	2.39E-16	0.480901	2.12E-28
0.38758	0.524661	2.17E-34	0.269824	3.11E-09	0.519201	1.36E-33	0.728706	1.78E-78
0.32548	0.314018	3.81E-12	0.557571	1.67E-39	0.804661	#####	0.786455	2.32E-99
0.67505	0.112737	0.01479	0.039218	0.39779	-0.10371	0.02501	0.042916	0.35478
0.01074	0.565847	6.99E-41	0.359441	1.09E-15	0.606912	2.48E-48	0.814034	#####
0.00203	0.239311	1.66E-07	0.077462	0.09453	0.223161	1.11E-06	0.366934	2.49E-16
0.60563	0.395556	6.09E-19	0.189964	3.60E-05	0.192564	2.80E-05	0.36157	7.19E-16
0.70471	0.31846	1.82E-12	0.321969	1.00E-12	0.47291	2.13E-27	0.590231	3.55E-45
0.00036	0.264346	6.60E-09	0.171309	0.0002	0.372711	7.75E-17	0.568409	2.57E-41
0.70287	-0.13211	0.00424	-0.16334	0.00039	-0.4531	5.08E-25	-0.43926	1.89E-23
7.77E-08	-0.21708	2.19E-06	-0.23514	2.75E-07	-0.35888	1.22E-15	-0.41015	2.25E-20
2.50E-07	-0.28451	3.81E-10	-0.172	0.00019	-0.44239	8.46E-24	-0.59291	1.14E-45
0.87932	0.228421	6.07E-07	0.39545	6.24E-19	0.651105	1.15E-57	0.781375	2.85E-97
0.00167	0.312203	5.13E-12	0.141758	0.00214	0.394135	8.33E-19	0.507124	6.94E-32
0.00203	0.207329	6.26E-06	0.316732	2.43E-12	0.332121	1.73E-13	0.442633	7.94E-24
2.03E-05	-0.25116	3.76E-08	-0.04438	0.33864	-0.24022	1.48E-07	-0.42	2.21E-21
1.89E-07	0.172672	0.00018	0.572866	4.42E-42	0.535743	4.75E-36	0.602104	2.11E-47
0.87037	0.248441	5.33E-08	0.472126	2.67E-27	0.722168	1.89E-76	0.815423	#####
2.49E-09	0.256471	1.89E-08	0.399193	2.72E-19	0.559769	7.25E-40	0.705497	1.54E-71
0.87041	0.208854	5.32E-06	0.272927	2.02E-09	0.57757	6.68E-43	0.669321	5.54E-62
0.93443	0.110448	0.01695	0.487247	3.24E-29	0.561668	3.51E-40	0.63808	9.38E-55
0.42503	0.446497	2.91E-24	0.438635	2.21E-23	0.666339	2.96E-61	0.812876	#####
5.41E-13	0.174029	0.00016	0.538315	1.92E-36	0.540529	8.73E-37	0.548141	5.57E-38
0.06071	0.089154	0.05419	0.267528	4.27E-09	0.440225	1.47E-23	0.425566	5.76E-22
0.01029	0.315964	2.76E-12	0.238502	1.83E-07	0.446361	3.01E-24	0.565158	9.14E-41
0.01071	-0.15851	0.00059	-0.22973	5.21E-07	-0.30367	2.03E-11	-0.39343	9.72E-19
5.92E-05	0.287159	2.57E-10	0.210061	4.68E-06	0.317027	2.31E-12	0.424934	6.72E-22
0.00068	0.270244	2.94E-09	0.462299	4.18E-26	0.522917	3.91E-34	0.714245	4.51E-74
0.94747	0.251642	3.54E-08	0.265313	5.79E-09	0.410351	2.15E-20	0.526056	1.35E-34
6.67E-10	0.280245	7.10E-10	0.540646	8.38E-37	0.594989	4.67E-46	0.747916	8.68E-85
0.01352	0.090531	0.05056	0.327928	3.61E-13	0.510941	2.04E-32	0.509593	3.14E-32
1.03E-10	-0.28709	2.60E-10	-0.22489	9.11E-07	-0.47366	1.72E-27	-0.59949	6.64E-47
0.63149	0.387676	3.38E-18	0.21433	2.96E-06	0.33962	4.52E-14	0.530284	3.18E-35
6.78E-11	0.246869	6.50E-08	0.211469	4.03E-06	0.426592	4.48E-22	0.517321	2.53E-33
0.00043	0.225665	8.34E-07	0.413369	1.06E-20	0.672157	1.11E-62	0.744816	9.90E-84

0.99492	0.081378	0.07895	0.641867	1.38E-55	0.544495	2.10E-37	0.561719	3.44E-40
0.00454	0.376176	3.81E-17	0.383792	7.75E-18	0.602575	1.71E-47	0.758018	2.43E-88
0.58147	-0.18088	8.46E-05	-0.22961	5.28E-07	-0.35774	1.52E-15	-0.37119	1.06E-16
4.98E-09	0.262143	8.89E-09	0.358616	1.28E-15	0.412884	1.19E-20	0.567112	4.27E-41
0.22054	0.242031	1.19E-07	0.118566	0.01034	0.511057	1.96E-32	0.604566	7.09E-48
0.32117	0.179285	9.80E-05	0.229974	5.06E-07	0.508405	4.61E-32	0.606546	2.93E-48
0.00942	0.1849	5.83E-05	0.546021	1.21E-37	0.804002	#####	0.86026	#####
1.27E-11	-0.23755	2.05E-07	0.017852	0.7004	-0.26194	9.13E-09	-0.37016	1.30E-16
0.0137	0.354454	2.85E-15	0.248194	5.50E-08	0.444227	5.25E-24	0.621063	3.70E-51
4.31E-05	0.346338	1.32E-14	0.440042	1.55E-23	0.675225	1.89E-63	0.845987	#####
0.00011	0.375524	4.36E-17	0.683739	1.26E-65	0.761532	1.28E-89	0.745292	6.82E-84
1.92E-08	0.160988	0.00048	0.36253	5.96E-16	0.413377	1.06E-20	0.488457	2.25E-29
0.82461	0.29709	5.70E-11	0.644882	2.95E-56	0.695798	7.75E-69	0.754253	5.37E-87
1.80E-06	-0.20522	7.80E-06	-0.34839	8.99E-15	-0.301	3.09E-11	-0.45667	1.94E-25
0.95686	0.445634	3.64E-24	0.141747	0.00214	0.266792	4.73E-09	0.468137	8.24E-27
0.98206	0.381277	1.32E-17	0.612026	2.46E-49	0.654082	2.38E-58	0.790924	#####
0.00056	-0.17748	0.00012	-0.12381	0.00739	-0.3605	8.87E-16	-0.41294	1.17E-20
8.32E-17	-0.19312	2.65E-05	-0.30494	1.66E-11	-0.38386	7.63E-18	-0.45811	1.31E-25
0.00098	0.164093	0.00037	0.092227	0.04638	0.23407	3.12E-07	0.370266	1.27E-16
0.18231	0.202866	9.95E-06	0.40463	7.99E-20	0.65347	3.30E-58	0.700334	4.36E-70
1.37E-13	-0.14576	0.00159	-0.15423	0.00083	-0.26714	4.51E-09	-0.40471	7.84E-20
0.00111	0.068938	0.13687	0.585722	2.35E-44	0.5059	1.03E-31	0.54445	2.14E-37
0.4297	0.369763	1.41E-16	0.310162	7.16E-12	0.495675	2.51E-30	0.646113	1.56E-56
0.41616	0.451142	8.55E-25	0.493629	4.70E-30	0.657632	3.54E-59	0.772462	9.74E-94
0.00093	-0.08329	0.07214	-0.18314	6.87E-05	-0.35814	1.40E-15	-0.27481	1.55E-09
0.34182	0.229058	5.63E-07	0.510437	2.39E-32	0.666009	3.56E-61	0.70574	1.31E-71
7.68E-05	0.396065	5.45E-19	0.206827	6.59E-06	0.513417	9.11E-33	0.661716	3.83E-60
0.0006	0.265301	5.80E-09	0.520524	8.73E-34	0.797997	#####	0.894508	#####
0.02797	0.180812	8.52E-05	0.196287	1.94E-05	0.469274	5.98E-27	0.552415	1.15E-38
0.00486	0.188465	4.16E-05	0.207083	6.42E-06	0.400675	1.95E-19	0.386256	4.59E-18
0.00112	0.143237	0.00192	0.573239	3.81E-42	0.514966	5.49E-33	0.441708	1.01E-23
0.02958	0.332052	1.75E-13	0.387508	3.51E-18	0.585704	2.37E-44	0.736405	6.12E-81
0.19427	-0.27803	9.77E-10	-0.15117	0.00105	-0.39938	2.61E-19	-0.52456	2.25E-34
8.00E-06	0.280984	6.38E-10	0.180398	8.85E-05	0.212363	3.66E-06	0.490486	1.22E-29
3.03E-10	0.365768	3.14E-16	0.259033	1.35E-08	0.417919	3.63E-21	0.670872	2.30E-62
0.55009	0.395708	5.89E-19	0.444793	4.54E-24	0.696109	6.37E-69	0.808921	#####
0.54416	0.362971	5.46E-16	0.487928	2.64E-29	0.675423	1.69E-63	0.786645	1.94E-99
0.00627	0.255986	2.01E-08	0.438343	2.38E-23	0.421155	1.68E-21	0.577226	7.68E-43
4.82E-06	0.233112	3.50E-07	0.477176	6.26E-28	0.527933	7.13E-35	0.674967	2.20E-63
0.75914	0.198625	1.53E-05	-0.0223	0.63068	0.137218	0.00296	0.359124	1.16E-15
0.00053	0.396038	5.48E-19	0.324975	6.01E-13	0.440206	1.48E-23	0.612558	1.93E-49
0.00051	0.27899	8.51E-10	0.367892	2.05E-16	0.422931	1.09E-21	0.53315	1.18E-35
0.00026	-0.19544	2.11E-05	-0.30219	2.57E-11	-0.27395	1.75E-09	-0.4173	4.21E-21
0.00084	0.185282	5.62E-05	0.478411	4.38E-28	0.555025	4.35E-39	0.52957	4.07E-35
0.12767	-0.24188	1.21E-07	-0.14831	0.00131	-0.41696	4.56E-21	-0.46321	3.25E-26

5.39E-05	0.320323	1.33E-12	0.455572	2.61E-25	0.389736	2.17E-18	0.608249	1.36E-48
0.00064	0.261239	1.00E-08	0.572686	4.74E-42	0.78638	2.50E-99	0.8858	#####
0.94043	0.094672	0.04085	0.318892	1.69E-12	0.605283	5.15E-48	0.66298	1.91E-60
6.45E-09	0.113233	0.01435	0.232208	3.89E-07	0.402456	1.31E-19	0.424264	7.91E-22
0.34947	0.136707	0.00307	0.392609	1.16E-18	0.4994	7.93E-31	0.581037	1.63E-43
0.02345	0.286818	2.71E-10	0.400806	1.90E-19	0.434734	5.94E-23	0.630144	4.76E-53
0.25659	0.021546	0.64235	0.16672	0.0003	0.379428	1.94E-17	0.41446	8.23E-21
0.16571	0.135653	0.00331	0.5031	2.49E-31	0.713312	8.48E-74	0.645565	2.08E-56
8.29E-05	0.326513	4.61E-13	0.517808	2.15E-33	0.650337	1.73E-57	0.757148	4.99E-88
0.09015	-0.27543	1.42E-09	-0.28976	1.74E-10	-0.32265	8.94E-13	-0.46785	8.92E-27
7.80E-06	0.318488	1.81E-12	0.30233	2.51E-11	0.376867	3.30E-17	0.50745	6.25E-32
0.30315	0.047411	0.30659	0.337018	7.23E-14	0.444093	5.44E-24	0.426951	4.10E-22
6.65E-06	-0.24084	1.38E-07	-0.07871	0.08933	-0.35325	3.59E-15	-0.44746	2.26E-24
4.11E-05	-0.24758	5.94E-08	-0.26694	4.63E-09	-0.3843	6.95E-18	-0.45642	2.08E-25
0.00054	0.28087	6.48E-10	0.274513	1.61E-09	0.329439	2.77E-13	0.522349	4.74E-34
0.16181	0.464293	2.41E-26	0.093034	0.04449	0.234311	3.03E-07	0.391765	1.40E-18
0.02621	0.445144	4.14E-24	0.22055	1.49E-06	0.383038	9.09E-18	0.561144	4.29E-40
0.02053	0.131978	0.00428	0.564199	1.32E-40	0.463154	3.30E-26	0.495295	2.82E-30
0.62125	0.077747	0.09332	0.626758	2.45E-52	0.492813	6.03E-30	0.469715	5.28E-27
0.02411	0.36267	5.80E-16	0.321388	1.11E-12	0.280249	7.10E-10	0.458449	1.20E-25
0.00016	0.175556	0.00014	0.233803	3.22E-07	0.550584	2.27E-38	0.698381	1.51E-69
0.58657	0.378798	2.21E-17	0.230717	4.64E-07	0.44395	5.65E-24	0.639639	4.28E-55
0.49144	0.239664	1.59E-07	0.433046	9.08E-23	0.642899	8.16E-56	0.765908	3.06E-91
0.05437	0.064655	0.16304	0.410066	2.29E-20	0.321122	1.16E-12	0.370646	1.18E-16
0.60529	0.22177	1.30E-06	0.287772	2.35E-10	0.35544	2.36E-15	0.39002	2.04E-18
0.00503	0.098748	0.03289	0.360571	8.75E-16	0.529177	4.65E-35	0.606325	3.23E-48
5.29E-15	0.178874	0.0001	0.437269	3.13E-23	0.591756	1.86E-45	0.618184	1.43E-50
0.18525	0.134586	0.00357	0.163945	0.00037	0.358195	1.39E-15	0.400869	1.87E-19
0.04785	0.079571	0.08586	0.191431	3.12E-05	0.368841	1.70E-16	0.310894	6.35E-12
0.04165	0.191859	3.00E-05	0.420576	1.93E-21	0.519031	1.43E-33	0.519685	1.15E-33
0.17481	0.141995	0.0021	0.461324	5.47E-26	0.748856	4.12E-85	0.809092	#####
0.26893	0.068625	0.13867	0.176309	0.00013	0.335374	9.71E-14	0.385148	5.81E-18
0.29836	0.318829	1.71E-12	0.413	1.16E-20	0.725555	1.71E-77	0.86062	#####
0.69697	0.372843	7.55E-17	0.483393	1.02E-28	0.665188	5.63E-61	0.851187	#####
0.16378	0.222858	1.15E-06	0.35741	1.62E-15	0.432337	1.08E-22	0.47785	5.15E-28
0.9823	0.091721	0.04759	0.362083	6.50E-16	0.394235	8.15E-19	0.43594	4.38E-23
1.29E-07	0.296881	5.89E-11	0.468624	7.19E-27	0.44238	8.48E-24	0.637901	1.03E-54
4.26E-10	-0.36874	1.73E-16	-0.30221	2.56E-11	-0.25024	4.24E-08	-0.56337	1.82E-40
4.57E-05	0.330848	2.17E-13	0.358866	1.22E-15	0.197411	1.73E-05	0.383197	8.79E-18
0.61413	0.326991	4.24E-13	0.285009	3.54E-10	0.566937	4.57E-41	0.660422	7.78E-60
0.00026	0.06473	0.16255	0.267797	4.12E-09	0.393434	9.71E-19	0.401047	1.80E-19
0.15266	0.026598	0.56641	0.186111	5.20E-05	0.36215	6.42E-16	0.347851	9.94E-15
0.01881	0.264863	6.15E-09	0.602106	2.11E-47	0.744675	1.10E-83	0.782928	6.65E-98
3.17E-06	0.192132	2.92E-05	0.439611	1.73E-23	0.576236	1.15E-42	0.730466	4.94E-79
1.03E-07	-0.32658	4.56E-13	-0.1024	0.02691	-0.37377	6.24E-17	-0.51645	3.37E-33

0.74169	0.191349	3.15E-05	0.235411	2.66E-07	0.471208	3.46E-27	0.578015	5.58E-43
0.88507	-0.16155	0.00046	-0.35008	6.54E-15	-0.46635	1.36E-26	-0.46842	7.61E-27
0.59549	0.222233	1.23E-06	0.30526	1.58E-11	0.409875	2.40E-20	0.519057	1.42E-33
0.0228	-0.26468	6.31E-09	-0.38863	2.76E-18	-0.37794	2.64E-17	-0.49696	1.69E-30
1.62E-05	-0.17152	0.0002	-0.30031	3.45E-11	-0.23075	4.62E-07	-0.4363	4.01E-23
2.84E-06	0.154298	0.00082	0.561928	3.18E-40	0.584081	4.65E-44	0.714376	4.12E-74
0.00017	0.24181	1.22E-07	0.67828	3.20E-64	0.654723	1.69E-58	0.656716	5.81E-59
0.00769	0.090039	0.05183	0.321335	1.12E-12	0.382977	9.21E-18	0.445527	3.75E-24
0.00081	0.249175	4.85E-08	0.396163	5.33E-19	0.549965	2.85E-38	0.582202	1.01E-43
6.95E-18	0.316715	2.43E-12	0.102002	0.02752	0.208027	5.81E-06	0.413057	1.14E-20
2.73E-06	0.097259	0.03563	0.313979	3.83E-12	0.324778	6.21E-13	0.436233	4.07E-23
9.18E-09	0.435948	4.38E-23	0.340804	3.65E-14	0.481882	1.59E-28	0.745338	6.59E-84
0.61964	0.230669	4.67E-07	0.157101	0.00066	0.329427	2.78E-13	0.528071	6.80E-35
0.00097	0.077736	0.09336	0.468112	8.30E-27	0.658234	2.56E-59	0.617941	1.60E-50
2.41E-07	0.315387	3.03E-12	0.469839	5.10E-27	0.645453	2.20E-56	0.733258	6.37E-80
0.00096	0.187814	4.42E-05	0.421403	1.58E-21	0.390002	2.05E-18	0.41475	7.69E-21
0.07786	0.132346	0.00417	0.502245	3.26E-31	0.551982	1.35E-38	0.595214	4.24E-46
5.59E-05	0.296085	6.65E-11	0.336474	7.98E-14	0.5973	1.72E-46	0.71509	2.54E-74
0.41451	0.153711	0.00086	0.230765	4.61E-07	0.491036	1.03E-29	0.55048	2.36E-38
0.20243	0.117349	0.01115	0.404423	8.37E-20	0.558059	1.39E-39	0.541492	6.19E-37
8.81E-08	0.501157	4.58E-31	0.464078	2.56E-26	0.52445	2.33E-34	0.591486	2.08E-45
0.09119	0.154948	0.00078	0.203093	9.72E-06	0.445658	3.62E-24	0.435471	4.94E-23
0.88586	0.197647	1.69E-05	0.586203	1.93E-44	0.813135	#####	0.823365	#####
0.01047	0.184982	5.78E-05	0.486037	4.64E-29	0.617732	1.77E-50	0.619234	8.75E-51
2.36E-10	0.368405	1.85E-16	0.524785	2.08E-34	0.561169	4.25E-40	0.776379	2.86E-95
7.86E-06	0.282332	5.24E-10	0.610309	5.37E-49	0.519855	1.09E-33	0.707429	4.32E-72
0.49157	0.107808	0.01979	0.335309	9.83E-14	0.532365	1.55E-35	0.629414	6.79E-53
0.00889	0.172962	0.00017	0.13413	0.00369	0.293082	1.05E-10	0.396246	5.23E-19
0.03199	0.112392	0.0151	0.246844	6.52E-08	0.502049	3.46E-31	0.577394	7.17E-43
0.01348	-0.25133	3.68E-08	-0.35127	5.23E-15	-0.36576	3.15E-16	-0.53783	2.28E-36
1.37E-11	0.404271	8.67E-20	0.416863	4.67E-21	0.582143	1.03E-43	0.737126	3.56E-81
0.42027	0.146806	0.00147	0.092456	0.04583	0.385476	5.42E-18	0.419496	2.49E-21
0.03161	0.107483	0.02017	0.248847	5.06E-08	0.38048	1.56E-17	0.451033	8.80E-25
0.02376	0.300254	3.48E-11	0.500361	5.88E-31	0.525783	1.48E-34	0.625809	3.87E-52
3.94E-06	0.248748	5.12E-08	0.352092	4.48E-15	0.389782	2.15E-18	0.586163	1.96E-44
0.00037	0.36477	3.83E-16	0.527688	7.75E-35	0.70081	3.21E-70	0.874091	#####
0.23129	0.098521	0.03329	0.224454	9.58E-07	0.428126	3.08E-22	0.58223	9.98E-44
0.47932	0.17115	0.0002	0.443781	5.90E-24	0.687199	1.57E-66	0.727704	3.66E-78
0.00337	-0.15153	0.00102	-0.29254	1.15E-10	-0.27699	1.13E-09	-0.40519	7.03E-20
0.02103	0.319576	1.51E-12	0.458459	1.20E-25	0.748857	4.12E-85	0.888775	#####
0.71723	0.259106	1.33E-08	0.331437	1.95E-13	0.672297	1.02E-62	0.794158	#####
2.09E-17	0.448985	1.51E-24	0.548033	5.80E-38	0.689938	2.95E-67	0.791276	#####
0.05727	0.304902	1.67E-11	0.304146	1.88E-11	0.402388	1.33E-19	0.614339	8.50E-50
0.00249	0.17012	0.00022	0.438946	2.05E-23	0.497895	1.27E-30	0.486271	4.33E-29
0.17329	0.224834	9.17E-07	0.311046	6.20E-12	0.451051	8.76E-25	0.576339	1.10E-42



0.00013	0.42157	1.52E-21	0.18762	4.51E-05	0.335978	8.72E-14	0.501914	3.61E-31
0.21605	0.308703	9.07E-12	0.42469	7.13E-22	0.594601	5.51E-46	0.678305	3.15E-64
3.61E-06	0.055718	0.22945	0.648174	5.36E-57	0.449931	1.18E-24	0.46451	2.27E-26
0.24011	0.302597	2.41E-11	-0.01331	0.77427	0.221532	1.33E-06	0.411452	1.66E-20
0.5951	0.196749	1.85E-05	0.399799	2.37E-19	0.391222	1.57E-18	0.434139	6.90E-23
0.00359	0.295761	7.00E-11	0.302197	2.56E-11	0.278331	9.36E-10	0.385457	5.44E-18
0.00084	-0.23596	2.49E-07	-0.2274	6.83E-07	-0.26118	1.01E-08	-0.46085	6.23E-26
0.03786	-0.25733	1.69E-08	-0.19451	2.31E-05	-0.35256	4.09E-15	-0.42672	4.34E-22
4.85E-07	0.46233	4.15E-26	0.163387	0.00039	0.390666	1.78E-18	0.66743	1.61E-61
0.01046	0.17859	0.0001	0.311809	5.47E-12	0.324335	6.71E-13	0.448128	1.90E-24
0.01052	0.280846	6.51E-10	0.317138	2.27E-12	0.322238	9.60E-13	0.552946	9.46E-39
1.74E-10	-0.11938	0.00982	-0.42861	2.73E-22	-0.41104	1.83E-20	-0.43835	2.38E-23
0.51735	0.308353	9.60E-12	0.118601	0.01031	0.403779	9.69E-20	0.480302	2.52E-28
0.01302	0.19973	1.37E-05	0.193657	2.51E-05	0.328942	3.02E-13	0.463172	3.29E-26
0.00021	0.203542	9.28E-06	0.466642	1.25E-26	0.418087	3.49E-21	0.603826	9.84E-48
1.90E-07	0.059477	0.19949	0.464651	2.18E-26	0.489186	1.81E-29	0.518774	1.56E-33
1.22E-07	0.274669	1.58E-09	0.014679	0.75172	0.228636	5.92E-07	0.404479	8.27E-20
0.09377	0.124768	0.00694	0.286264	2.94E-10	0.432501	1.04E-22	0.513462	8.97E-33
0.82925	0.070553	0.12789	0.214961	2.76E-06	0.465968	1.51E-26	0.459855	8.18E-26
4.26E-09	0.191182	3.20E-05	0.160377	0.0005	0.263869	7.04E-09	0.381742	1.19E-17
0.50927	0.282678	4.98E-10	0.12151	0.00857	0.391461	1.49E-18	0.506535	8.37E-32
0.90443	0.546811	9.06E-38	0.176332	0.00013	0.327518	3.87E-13	0.547639	6.70E-38
2.56E-08	-0.25222	3.29E-08	-0.28876	2.03E-10	-0.39126	1.56E-18	-0.50572	1.09E-31
0.67976	0.355893	2.17E-15	0.319186	1.61E-12	0.484348	7.67E-29	0.637357	1.35E-54
0.00074	-0.4426	8.01E-24	-0.2631	7.81E-09	-0.37807	2.57E-17	-0.64187	1.38E-55
0.37042	0.185973	5.27E-05	0.328755	3.12E-13	0.45304	5.16E-25	0.50863	4.28E-32
6.23E-05	0.268306	3.84E-09	0.095669	0.03877	0.229146	5.58E-07	0.450724	9.55E-25
0.95952	0.217352	2.12E-06	0.393944	8.69E-19	0.700681	3.49E-70	0.821673	#####
0.4344	0.082034	0.07656	0.398595	3.11E-19	0.517583	2.32E-33	0.637439	1.29E-54
0.01132	-0.35023	6.36E-15	-0.25918	1.32E-08	-0.51597	3.94E-33	-0.61752	1.95E-50
0.15047	-0.23157	4.20E-07	-0.33559	9.35E-14	-0.34684	1.20E-14	-0.48287	1.19E-28
0.00315	0.123253	0.00766	0.240822	1.38E-07	0.545047	1.72E-37	0.54788	6.13E-38
2.23E-07	0.288798	2.01E-10	0.575212	1.73E-42	0.734143	3.31E-80	0.83466	#####
0.8454	0.280026	7.33E-10	0.485047	6.23E-29	0.618556	1.20E-50	0.719163	1.54E-75
7.45E-13	0.387485	3.53E-18	0.178322	0.00011	0.334128	1.21E-13	0.385435	5.47E-18
8.77E-08	0.186139	5.18E-05	0.252845	3.03E-08	0.555989	3.03E-39	0.707168	5.13E-72
3.45E-08	-0.35338	3.50E-15	-0.19785	1.66E-05	-0.24308	1.04E-07	-0.5294	4.31E-35
0.03341	0.070524	0.12805	0.602705	1.62E-47	0.618143	1.46E-50	0.63261	1.42E-53
7.36E-07	-0.34832	9.11E-15	-0.39228	1.25E-18	-0.4527	5.65E-25	-0.60026	4.74E-47
3.27E-11	0.160859	0.00048	0.490585	1.19E-29	0.602174	2.04E-47	0.709333	1.22E-72
6.81E-14	0.134975	0.00347	0.305977	1.41E-11	0.414134	8.88E-21	0.515098	5.25E-33
0.13344	0.329371	2.80E-13	0.312146	5.18E-12	0.458244	1.27E-25	0.663451	1.47E-60
4.13E-07	0.174642	0.00015	0.277836	1.00E-09	0.373488	6.61E-17	0.446471	2.93E-24
0.04353	-0.24585	7.39E-08	-0.01299	0.77951	-0.41576	6.05E-21	-0.43158	1.31E-22
0.06631	0.074141	0.10957	0.189019	3.94E-05	0.329684	2.65E-13	0.403151	1.12E-19

0.88417	0.494972	3.12E-30	0.20114	1.19E-05	0.386706	4.17E-18	0.53652	3.62E-36
0.03963	0.203789	9.05E-06	0.505236	1.27E-31	0.356672	1.86E-15	0.475108	1.14E-27
0.67755	0.261491	9.70E-09	0.191406	3.13E-05	0.488576	2.17E-29	0.464104	2.54E-26
0.09874	0.292898	1.08E-10	0.240115	1.50E-07	0.441712	1.01E-23	0.673598	4.84E-63
0.03099	0.225058	8.94E-07	0.350244	6.35E-15	0.415845	5.94E-21	0.525693	1.53E-34
0.03929	0.140735	0.0023	0.19105	3.24E-05	0.487379	3.11E-29	0.616718	2.83E-50
0.20056	0.557932	1.46E-39	0.254429	2.47E-08	0.513849	7.91E-33	0.670054	3.66E-62
7.80E-31	0.252194	3.30E-08	0.337788	6.30E-14	0.458824	1.08E-25	0.581397	1.41E-43
0.00158	-0.2892	1.90E-10	-0.0465	0.31603	-0.35295	3.80E-15	-0.53839	1.87E-36
0.08835	0.356249	2.02E-15	0.458045	1.34E-25	0.743745	2.27E-83	0.843764	#####
4.73E-07	-0.2388	1.77E-07	-0.14317	0.00192	-0.34858	8.67E-15	-0.51997	1.05E-33
0.05104	0.252066	3.35E-08	0.295516	7.26E-11	0.551697	1.50E-38	0.689113	4.89E-67
0.00086	0.104305	0.02419	0.338894	5.16E-14	0.489218	1.79E-29	0.472388	2.48E-27
1.04E-05	0.141218	0.00222	0.150075	0.00114	0.433251	8.62E-23	0.390965	1.66E-18
0.61112	-0.19756	1.71E-05	-0.29123	1.40E-10	-0.22784	6.49E-07	-0.38134	1.30E-17
5.71E-05	0.027641	0.55128	0.555819	3.23E-39	0.329133	2.92E-13	0.390481	1.85E-18
0.19876	-0.23669	2.28E-07	-0.22947	5.37E-07	-0.28852	2.10E-10	-0.42241	1.24E-21
0.71378	0.218189	1.94E-06	0.419033	2.79E-21	0.48893	1.95E-29	0.409913	2.38E-20
0.00395	0.284028	4.09E-10	0.309373	8.14E-12	0.373729	6.30E-17	0.565268	8.75E-41
0.47893	0.29269	1.12E-10	0.565469	8.09E-41	0.619837	6.60E-51	0.62	6.11E-51
0.00275	0.173744	0.00016	0.311025	6.22E-12	0.412812	1.21E-20	0.405583	6.43E-20
0.01629	0.081992	0.07671	0.237308	2.12E-07	0.284129	4.03E-10	0.349947	6.71E-15
0.89455	0.144484	0.00175	0.22965	5.26E-07	0.426204	4.93E-22	0.546755	9.25E-38
1.82E-12	0.317621	2.09E-12	0.416166	5.50E-21	0.487854	2.70E-29	0.679505	1.56E-64
1.22E-05	0.220714	1.46E-06	0.50454	1.58E-31	0.585294	2.81E-44	0.662392	2.64E-60
1.37E-06	-0.32748	3.90E-13	-0.0435	0.3483	-0.27062	2.79E-09	-0.5509	2.02E-38
0.05644	0.241072	1.34E-07	0.534572	7.17E-36	0.573042	4.12E-42	0.668964	6.78E-62
0.62838	0.104253	0.02426	0.526175	1.30E-34	0.613338	1.35E-49	0.578584	4.43E-43
0.45714	0.124107	0.00725	0.469554	5.53E-27	0.71529	2.21E-74	0.75488	3.22E-87
0.31725	0.279844	7.52E-10	0.37144	1.00E-16	0.371694	9.53E-17	0.563589	1.68E-40
2.01E-24	0.077592	0.09397	0.517818	2.14E-33	0.499556	7.55E-31	0.491251	9.69E-30
0.01107	0.168633	0.00025	0.331147	2.05E-13	0.51476	5.87E-33	0.586705	1.56E-44
0.74971	0.303133	2.21E-11	0.353744	3.27E-15	0.517469	2.41E-33	0.656443	6.73E-59
6.29E-05	0.260138	1.16E-08	0.56951	1.67E-41	0.522686	4.23E-34	0.645468	2.18E-56
0.24958	0.145243	0.00165	0.323624	7.57E-13	0.43793	2.65E-23	0.45947	9.09E-26
0.54167	0.254747	2.37E-08	0.301878	2.70E-11	0.277376	1.07E-09	0.430112	1.88E-22
0.18292	-0.13321	0.00393	-0.32139	1.11E-12	-0.38786	3.25E-18	-0.38172	1.20E-17
0.40555	0.279459	7.95E-10	0.245903	7.34E-08	0.32442	6.61E-13	0.395864	5.69E-19
4.62E-11	0.140826	0.00229	0.25375	2.70E-08	0.436	4.32E-23	0.456275	2.16E-25
2.58E-08	0.129601	0.00503	0.322479	9.21E-13	0.434909	5.69E-23	0.469959	4.93E-27
0.43237	0.172818	0.00017	0.567823	3.23E-41	0.508248	4.84E-32	0.539508	1.26E-36
0.08182	-0.24071	1.40E-07	-0.16892	0.00025	-0.31583	2.82E-12	-0.43052	1.70E-22
0.77008	0.300325	3.44E-11	0.451493	7.79E-25	0.46997	4.92E-27	0.619622	7.30E-51
0.00485	-0.25246	3.18E-08	-0.13411	0.00369	-0.287	2.63E-10	-0.45047	1.02E-24
3.31E-15	0.266987	4.60E-09	0.472662	2.29E-27	0.638909	6.18E-55	0.722811	1.20E-76

0.03331	0.516526	3.29E-33	0.318376	1.84E-12	0.512224	1.34E-32	0.691855	9.05E-68
0.45437	0.24933	4.76E-08	0.27787	1.00E-09	0.319985	1.41E-12	0.478481	4.29E-28
0.56116	0.368762	1.72E-16	0.400245	2.15E-19	0.656004	8.52E-59	0.802645	#####
8.66E-06	0.396377	5.08E-19	0.32602	5.02E-13	0.410012	2.32E-20	0.616406	3.27E-50
0.94757	0.272717	2.08E-09	0.532253	1.61E-35	0.721458	3.10E-76	0.814357	#####
3.08E-13	-0.21314	3.36E-06	-0.29786	5.06E-11	-0.4258	5.44E-22	-0.52882	5.27E-35
0.1921	0.310969	6.28E-12	0.001159	0.98006	0.245373	7.84E-08	0.389405	2.33E-18
0.03086	0.167752	0.00027	0.283132	4.66E-10	0.21382	3.13E-06	0.376668	3.44E-17
0.13456	-0.18142	8.05E-05	-0.10441	0.02404	-0.26283	8.11E-09	-0.39583	5.74E-19
0.2261	0.301404	2.91E-11	0.266826	4.71E-09	0.532086	1.70E-35	0.769111	1.89E-92
0.00046	-0.20814	5.74E-06	-0.12315	0.00772	-0.16594	0.00032	-0.37832	2.44E-17
0.00106	0.162561	0.00042	0.341229	3.38E-14	0.481089	2.00E-28	0.610055	6.02E-49
5.31E-10	0.248129	5.54E-08	0.317615	2.09E-12	0.428707	2.67E-22	0.495425	2.71E-30
0.02949	-0.25206	3.36E-08	0.083254	0.07227	-0.18909	3.91E-05	-0.39619	5.30E-19
0.99594	-0.26573	5.47E-09	-0.1873	4.64E-05	-0.25595	2.02E-08	-0.44111	1.18E-23
0.17711	0.267192	4.48E-09	0.38665	4.22E-18	0.58029	2.21E-43	0.699696	6.55E-70
2.17E-07	-0.31394	3.86E-12	-0.41807	3.50E-21	-0.36669	2.61E-16	-0.57499	1.89E-42
0.49726	0.084899	0.06679	0.094687	0.04082	0.371001	1.10E-16	0.353285	3.57E-15
2.39E-05	0.309855	7.52E-12	0.392351	1.23E-18	0.479638	3.06E-28	0.475065	1.15E-27
0.82225	0.141501	0.00218	0.478629	4.11E-28	0.574445	2.35E-42	0.628618	9.99E-53
0.00551	-0.2488	5.09E-08	-0.0674	0.14589	-0.30616	1.36E-11	-0.50493	1.40E-31
4.37E-06	0.114146	0.01358	0.249207	4.83E-08	0.476961	6.67E-28	0.559697	7.45E-40
0.88435	0.124234	0.00719	0.281448	5.96E-10	0.570396	1.18E-41	0.6516	8.89E-58
0.03452	0.226076	7.95E-07	0.328753	3.12E-13	0.449602	1.29E-24	0.581367	1.42E-43
0.80289	0.166958	0.00029	0.376904	3.28E-17	0.506708	7.92E-32	0.584077	4.66E-44
0.64666	0.214196	3.00E-06	0.186445	5.04E-05	0.508154	4.99E-32	0.675523	1.59E-63
0.01461	0.12025	0.00929	0.315368	3.04E-12	0.331463	1.94E-13	0.369581	1.46E-16
0.01188	-0.23654	2.32E-07	-0.06504	0.16053	-0.39514	6.67E-19	-0.43219	1.12E-22
0.59783	0.309583	7.86E-12	0.305242	1.58E-11	0.531695	1.95E-35	0.710728	4.83E-73
0.61701	0.24777	5.80E-08	0.4314	1.37E-22	0.606346	3.20E-48	0.650195	1.86E-57
7.98E-05	0.17125	0.0002	0.350831	5.68E-15	0.524559	2.25E-34	0.483983	8.55E-29
0.07245	0.110965	0.01644	0.52591	1.42E-34	0.659093	1.61E-59	0.700246	4.61E-70
0.04225	0.324165	6.90E-13	0.708172	2.65E-72	0.630179	4.68E-53	0.717942	3.58E-75
0.00014	0.316495	2.52E-12	0.299396	3.98E-11	0.412911	1.18E-20	0.614947	6.42E-50
0.06734	0.328645	3.18E-13	0.405929	5.94E-20	0.585958	2.13E-44	0.752446	2.33E-86
0.00585	0.31064	6.62E-12	0.616037	3.88E-50	0.617965	1.58E-50	0.693458	3.35E-68
0.00812	0.346158	1.36E-14	0.474942	1.19E-27	0.560225	6.09E-40	0.711175	2.43E-73
0.38669	0.155757	0.00073	0.273629	1.83E-09	0.385991	4.86E-18	0.432029	1.17E-22
0.00016	0.182852	7.05E-05	0.278557	9.06E-10	0.458675	1.13E-25	0.565547	7.85E-41
0.03529	0.282803	4.89E-10	0.145468	0.00162	0.383421	8.38E-18	0.502146	3.36E-31
0.73587	0.226277	7.77E-07	0.39784	3.68E-19	0.437747	2.77E-23	0.467816	9.02E-27
0.13012	0.331097	2.07E-13	0.238512	1.83E-07	0.329844	2.58E-13	0.471322	3.35E-27
0.01648	0.165506	0.00033	0.569574	1.63E-41	0.738975	8.82E-82	0.80708	#####
0.02618	0.205201	7.81E-06	0.557373	1.80E-39	0.731328	2.63E-79	0.834177	#####
7.19E-06	0.145255	0.00165	0.273315	1.91E-09	0.31882	1.71E-12	0.3344	1.16E-13

0.01904	0.217911	2.00E-06	0.161811	0.00045	0.30914	8.45E-12	0.430579	1.68E-22
0.62191	0.363168	5.25E-16	0.29009	1.66E-10	0.483533	9.76E-29	0.638461	7.75E-55
0.44438	0.090518	0.0506	0.416289	5.35E-21	0.632714	1.35E-53	0.635737	3.02E-54
0.02445	-0.14746	0.0014	-0.30396	1.94E-11	-0.30211	2.60E-11	-0.46426	2.43E-26
0.5677	0.221505	1.34E-06	0.538043	2.11E-36	0.822993	#####	0.831244	#####
0.221	0.195919	2.01E-05	0.28279	4.90E-10	0.479768	2.95E-28	0.680137	1.07E-64
0.27646	-0.2565	1.88E-08	-0.05619	0.22551	-0.2322	3.90E-07	-0.38716	3.78E-18
0.36195	0.015884	0.73208	0.354097	3.06E-15	0.382303	1.06E-17	0.332877	1.51E-13
0.52903	-0.22442	9.61E-07	-0.10928	0.01816	-0.40865	3.18E-20	-0.41416	8.84E-21
0.14921	0.414171	8.81E-21	0.002056	0.96465	0.211918	3.84E-06	0.40331	1.08E-19
6.49E-08	-0.1713	0.0002	-0.15829	0.0006	-0.24856	5.25E-08	-0.43475	5.92E-23
0.0003	0.150506	0.0011	0.347363	1.09E-14	0.395903	5.65E-19	0.519417	1.26E-33
0.43233	0.20415	8.72E-06	0.278448	9.20E-10	0.606879	2.52E-48	0.681007	6.42E-65
0.00501	-0.23154	4.21E-07	-0.32395	7.16E-13	-0.35939	1.10E-15	-0.51141	1.75E-32
0.85573	0.199534	1.40E-05	0.494145	4.01E-30	0.554353	5.60E-39	0.725473	1.81E-77
0.0004	0.247882	5.72E-08	0.161015	0.00048	0.367712	2.13E-16	0.538654	1.70E-36
0.81805	0.227295	6.91E-07	0.670322	3.14E-62	0.651117	1.15E-57	0.697086	3.44E-69
0.00426	0.321493	1.09E-12	0.376355	3.67E-17	0.581344	1.44E-43	0.73021	5.96E-79
0.25511	0.088461	0.0561	0.275993	1.31E-09	0.346592	1.26E-14	0.407391	4.25E-20
0.69048	0.531674	1.97E-35	0.127804	0.00568	0.29968	3.81E-11	0.468177	8.15E-27
0.50272	0.157007	0.00066	0.396123	5.38E-19	0.383898	7.58E-18	0.459833	8.23E-26
0.68675	0.282317	5.25E-10	0.195047	2.19E-05	0.374463	5.42E-17	0.49997	6.64E-31
0.20943	0.274782	1.55E-09	0.272771	2.06E-09	0.415721	6.11E-21	0.491246	9.71E-30
0.45183	0.214571	2.88E-06	0.439717	1.68E-23	0.535289	5.58E-36	0.665136	5.79E-61
0.00022	0.045251	0.32918	0.500889	4.98E-31	0.298993	4.24E-11	0.374564	5.31E-17
0.00328	0.198786	1.51E-05	0.37062	1.19E-16	0.524749	2.11E-34	0.630107	4.84E-53
0.00271	0.304927	1.66E-11	0.150387	0.00112	0.412777	1.22E-20	0.524847	2.04E-34
2.18E-05	0.209191	5.14E-06	0.3379	6.17E-14	0.514218	7.01E-33	0.631302	2.70E-53
2.24E-08	0.207664	6.04E-06	0.236825	2.24E-07	0.461882	4.69E-26	0.548101	5.66E-38
1.01E-08	0.154108	0.00083	0.473472	1.82E-27	0.623525	1.15E-51	0.648743	3.99E-57
0.38832	0.141606	0.00216	0.408413	3.36E-20	0.637714	1.13E-54	0.61216	2.31E-49
2.55E-12	0.441183	1.15E-23	0.453646	4.39E-25	0.665296	5.30E-61	0.851371	#####
0.63036	0.304808	1.70E-11	0.424133	8.16E-22	0.651261	1.06E-57	0.750338	1.27E-85
0.02836	-0.24213	1.17E-07	-0.08807	0.0572	-0.32345	7.80E-13	-0.39906	2.80E-19
8.18E-05	0.130226	0.00482	0.258181	1.51E-08	0.509596	3.14E-32	0.510636	2.25E-32
0.01574	0.180183	9.02E-05	0.295988	6.75E-11	0.295767	6.99E-11	0.38506	5.92E-18
0.00062	0.346422	1.30E-14	0.391191	1.58E-18	0.546182	1.14E-37	0.770061	8.19E-93
0.11246	0.220952	1.42E-06	0.217353	2.12E-06	0.384307	6.95E-18	0.508732	4.15E-32
0.00211	0.169728	0.00023	0.123536	0.00752	0.295429	7.36E-11	0.398255	3.35E-19
8.36E-05	0.230933	4.52E-07	0.290341	1.60E-10	0.39048	1.85E-18	0.514796	5.80E-33
0.95608	0.28366	4.31E-10	0.210653	4.40E-06	0.339684	4.47E-14	0.534323	7.82E-36
0.72468	0.152479	0.00095	0.463758	2.80E-26	0.409242	2.78E-20	0.435209	5.27E-23
0.00392	0.113807	0.01386	0.373815	6.19E-17	0.358409	1.33E-15	0.483203	1.08E-28
0.00013	0.110942	0.01646	0.684736	6.95E-66	0.707021	5.66E-72	0.683651	1.33E-65
0.00208	0.265619	5.55E-09	0.495419	2.72E-30	0.558162	1.33E-39	0.699208	8.95E-70

0.73763	-0.2841	4.04E-10	-0.15851	0.00059	-0.29506	7.79E-11	-0.38343	8.36E-18
0.35361	0.213858	3.11E-06	0.447733	2.10E-24	0.59718	1.81E-46	0.734176	3.23E-80
2.05E-19	0.420804	1.82E-21	0.441679	1.02E-23	0.645588	2.05E-56	0.802464	#####
0.00038	0.49879	9.59E-31	0.313681	4.02E-12	0.55991	6.87E-40	0.696468	5.08E-69
0.4207	0.363237	5.18E-16	0.336202	8.38E-14	0.62828	1.18E-52	0.749987	1.67E-85
0.11785	0.210704	4.37E-06	0.548987	4.09E-38	0.674098	3.63E-63	0.658914	1.77E-59
0.01275	0.263676	7.23E-09	0.619631	7.27E-51	0.849056	#####	0.893781	#####
0.01154	0.180841	8.50E-05	0.422987	1.08E-21	0.568993	2.04E-41	0.586217	1.91E-44
8.88E-05	0.122348	0.00813	0.432116	1.14E-22	0.38769	3.37E-18	0.466451	1.32E-26
0.02549	0.319237	1.59E-12	0.318219	1.89E-12	0.697365	2.88E-69	0.806573	#####
0.00014	0.145708	0.00159	0.265474	5.66E-09	0.405662	6.31E-20	0.565126	9.25E-41
0.00078	0.410178	2.24E-20	0.445221	4.06E-24	0.656925	5.19E-59	0.777206	1.34E-95
0.00638	0.052772	0.25506	0.366809	2.55E-16	0.395459	6.23E-19	0.448051	1.94E-24
6.26E-07	0.285694	3.20E-10	0.489874	1.47E-29	0.70995	8.12E-73	0.800449	#####
0.94856	0.160695	0.00049	0.165699	0.00032	0.498893	9.28E-31	0.618124	1.47E-50
0.02952	0.178678	0.0001	0.662192	2.95E-60	0.730287	5.63E-79	0.755977	1.31E-87
0.05547	0.193048	2.67E-05	0.459323	9.46E-26	0.850541	#####	0.849097	#####
3.28E-17	-0.25665	1.84E-08	-0.35779	1.50E-15	-0.35764	1.55E-15	-0.5615	3.74E-40
1.97E-07	-0.22374	1.04E-06	-0.36326	5.16E-16	-0.42767	3.44E-22	-0.49024	1.31E-29
0.56922	0.038988	0.40057	0.269963	3.05E-09	0.49232	7.01E-30	0.497434	1.46E-30
0.00389	0.433761	7.59E-23	0.525724	1.51E-34	0.670046	3.68E-62	0.765136	5.95E-91
0.73359	-0.27778	1.01E-09	-0.18619	5.16E-05	-0.51748	2.40E-33	-0.60475	6.53E-48
0.29495	0.189705	3.69E-05	0.36168	7.04E-16	0.462541	3.91E-26	0.609878	6.52E-49
0.46359	0.107455	0.0202	0.358756	1.25E-15	0.411646	1.59E-20	0.468632	7.17E-27
0.01816	0.273031	1.99E-09	0.597803	1.38E-46	0.566149	6.22E-41	0.675211	1.91E-63
0.00086	0.145914	0.00157	0.323106	8.28E-13	0.497557	1.41E-30	0.464173	2.49E-26
0.47468	0.354736	2.70E-15	0.30143	2.89E-11	0.497567	1.40E-30	0.691862	9.02E-68
0.64275	0.302813	2.33E-11	0.259272	1.30E-08	0.368487	1.82E-16	0.567222	4.09E-41
0.01338	0.278325	9.37E-10	0.26114	1.02E-08	0.456968	1.79E-25	0.589466	4.90E-45
0.00011	0.294064	9.07E-11	0.255085	2.27E-08	0.430181	1.85E-22	0.58842	7.61E-45
0.20038	0.172235	0.00018	0.30265	2.39E-11	0.334395	1.16E-13	0.520054	1.02E-33
0.97363	0.428523	2.79E-22	0.26418	6.75E-09	0.603678	1.05E-47	0.779704	1.35E-96
0.093	0.313366	4.24E-12	0.638536	7.46E-55	0.789727	#####	0.864976	#####
0.75076	0.573966	2.85E-42	0.413589	1.01E-20	0.535525	5.13E-36	0.65909	1.61E-59
0.94296	0.4243	7.84E-22	0.353279	3.57E-15	0.696382	5.37E-69	0.863856	#####
1.51E-11	0.238191	1.90E-07	0.62265	1.75E-51	0.607198	2.19E-48	0.672329	1.00E-62
0.00024	0.17511	0.00014	0.29355	9.82E-11	0.25436	2.49E-08	0.401752	1.53E-19
0.03328	0.360319	9.19E-16	0.137043	0.003	0.443824	5.83E-24	0.531453	2.12E-35
0.21958	0.059489	0.1994	0.255384	2.18E-08	0.298022	4.93E-11	0.391694	1.42E-18
0.11106	0.37855	2.33E-17	0.237182	2.15E-07	0.482	1.53E-28	0.646217	1.48E-56
9.65E-11	0.16935	0.00024	0.27264	2.10E-09	0.498169	1.16E-30	0.620655	4.49E-51
0.70919	-0.18926	3.85E-05	-0.08875	0.0553	-0.30162	2.81E-11	-0.40111	1.77E-19
2.86E-05	0.174123	0.00016	0.380071	1.70E-17	0.485995	4.70E-29	0.463209	3.25E-26
0.04129	0.260146	1.16E-08	0.646746	1.13E-56	0.735788	9.71E-81	0.806536	#####
0.75621	0.089113	0.0543	0.604948	5.98E-48	0.549297	3.65E-38	0.552489	1.12E-38

0.00026	0.399729	2.41E-19	0.18789	4.39E-05	0.545389	1.52E-37	0.721579	2.85E-76
0.31997	0.081244	0.07945	0.483203	1.08E-28	0.605412	4.86E-48	0.515285	4.94E-33
0.67171	0.081609	0.0781	0.335561	9.39E-14	0.267883	4.07E-09	0.345261	1.61E-14
0.57155	0.127477	0.0058	0.05312	0.25194	0.140978	0.00226	0.156618	0.00068
0.18557	0.253459	2.80E-08	0.305113	1.61E-11	0.346671	1.24E-14	0.522934	3.89E-34
0.00021	0.093506	0.04341	0.05086	0.2727	0.290613	1.53E-10	0.400583	1.99E-19
0.00059	0.057016	0.21876	0.299828	3.72E-11	0.45053	1.01E-24	0.533656	9.87E-36
0.6309	0.325561	5.43E-13	0.662402	2.63E-60	0.645365	2.30E-56	0.741737	1.07E-82
0.75684	0.193148	2.64E-05	0.538713	1.67E-36	0.697996	1.93E-69	0.785989	3.63E-99
0.09377	0.180362	8.88E-05	0.257376	1.68E-08	0.350749	5.77E-15	0.330876	2.15E-13
3.07E-09	-0.18297	6.98E-05	-0.20496	8.02E-06	-0.36096	8.11E-16	-0.4947	3.39E-30
0.00029	-0.31987	1.43E-12	-0.39817	3.41E-19	-0.43004	1.92E-22	-0.62064	4.52E-51
2.88E-05	0.3289	3.04E-13	0.368501	1.82E-16	0.519234	1.34E-33	0.640487	2.79E-55
0.00315	0.105922	0.02206	0.356632	1.88E-15	0.484486	7.36E-29	0.539338	1.33E-36
0.11982	0.167758	0.00027	0.46722	1.07E-26	0.526501	1.16E-34	0.568418	2.56E-41
4.32E-05	-0.08512	0.06608	-0.3294	2.79E-13	-0.47759	5.56E-28	-0.52814	6.63E-35
0.02657	-0.26716	4.49E-09	-0.17157	0.0002	-0.21153	4.00E-06	-0.37983	1.78E-17
0.76935	0.061075	0.18766	0.553001	9.27E-39	0.615286	5.49E-50	0.583628	5.61E-44
5.98E-05	-0.28154	5.88E-10	-0.06687	0.14907	-0.35362	3.35E-15	-0.52097	7.52E-34
0.86373	0.36676	2.58E-16	0.254291	2.51E-08	0.4579	1.39E-25	0.662969	1.92E-60
0.14569	-0.00113	0.98052	0.559129	9.25E-40	0.390873	1.70E-18	0.365747	3.15E-16
1.21E-05	-0.20234	1.05E-05	-0.28262	5.02E-10	-0.469	6.46E-27	-0.46625	1.40E-26
6.17E-05	0.104583	0.02381	0.219375	1.70E-06	0.295499	7.28E-11	0.416199	5.46E-21
7.51E-05	0.235662	2.58E-07	0.658636	2.06E-59	0.706358	8.75E-72	0.74874	4.52E-85
0.89612	0.304196	1.87E-11	0.555763	3.30E-39	0.75677	6.81E-88	0.83778	#####
1.73E-06	0.012566	0.78652	0.611068	3.80E-49	0.386626	4.24E-18	0.384973	6.03E-18
0.02996	0.137811	0.00284	0.093677	0.04303	0.333363	1.39E-13	0.358087	1.42E-15
3.04E-07	-0.27845	9.20E-10	-0.33341	1.38E-13	-0.37433	5.57E-17	-0.51554	4.55E-33
0.40632	0.308363	9.58E-12	0.399111	2.77E-19	0.548903	4.21E-38	0.686841	1.95E-66
0.27447	0.297833	5.08E-11	0.14452	0.00174	0.292168	1.21E-10	0.506017	9.88E-32
0.0171	0.642835	8.44E-56	0.18037	8.87E-05	0.393051	1.06E-18	0.560281	5.96E-40
0.75362	0.194258	2.37E-05	0.311868	5.42E-12	0.326158	4.90E-13	0.470131	4.70E-27
0.56747	0.247464	6.03E-08	0.515326	4.88E-33	0.50213	3.38E-31	0.665124	5.83E-61
0.00042	0.138931	0.00262	0.24713	6.29E-08	0.431594	1.30E-22	0.505641	1.11E-31
2.30E-06	0.279114	8.36E-10	0.396148	5.35E-19	0.521596	6.10E-34	0.657316	4.20E-59
2.96E-07	-0.28383	4.21E-10	-0.15033	0.00112	-0.42283	1.12E-21	-0.56153	3.70E-40
0.05451	0.091746	0.04753	0.311585	5.68E-12	0.584177	4.47E-44	0.535586	5.03E-36
3.73E-09	-0.35224	4.35E-15	-0.09364	0.04311	-0.34464	1.81E-14	-0.57568	1.43E-42
0.00413	0.255255	2.22E-08	0.139578	0.0025	0.230511	4.75E-07	0.393421	9.74E-19
0.92271	0.138598	0.00269	0.163117	0.0004	0.287232	2.54E-10	0.366411	2.76E-16
6.94E-11	0.442421	8.39E-24	0.410763	1.95E-20	0.611165	3.64E-49	0.796752	#####
0.87953	-0.27819	9.55E-10	-0.19215	2.91E-05	-0.32601	5.03E-13	-0.50348	2.21E-31
0.47311	0.244535	8.71E-08	0.387474	3.53E-18	0.706497	7.99E-72	0.811883	#####
0.00013	0.275323	1.44E-09	0.162898	0.00041	0.295135	7.70E-11	0.451193	8.44E-25
0.01377	0.345505	1.54E-14	0.561222	4.16E-40	0.749481	2.51E-85	0.868859	#####

0.42529	0.349489	7.31E-15	0.417356	4.15E-21	0.717267	5.70E-75	0.739996	4.06E-82
0.36799	0.36716	2.38E-16	0.496588	1.90E-30	0.806377	#####	0.883548	#####
2.88E-17	-0.30221	2.56E-11	-0.34726	1.11E-14	-0.53941	1.30E-36	-0.6583	2.47E-59
0.16222	0.22292	1.14E-06	0.512866	1.09E-32	0.61214	2.33E-49	0.720237	7.29E-76
6.61E-06	0.133604	0.00382	0.348238	9.25E-15	0.509546	3.19E-32	0.547747	6.44E-38
1.74E-06	0.529274	4.50E-35	0.097214	0.03572	0.194889	2.22E-05	0.380206	1.65E-17
3.10E-09	-0.1236	0.00749	-0.40705	4.60E-20	-0.41272	1.24E-20	-0.45607	2.29E-25
0.29809	0.031067	0.50304	0.372863	7.52E-17	0.566457	5.51E-41	0.460047	7.76E-26
0.40857	0.059348	0.20047	0.364137	4.34E-16	0.572694	4.73E-42	0.508962	3.85E-32
0.96398	0.070371	0.12888	0.248567	5.24E-08	0.384827	6.22E-18	0.338024	6.04E-14
0.09075	0.581425	1.39E-43	0.301922	2.68E-11	0.511021	1.98E-32	0.682314	2.96E-65
0.00037	-0.38666	4.21E-18	-0.25083	3.93E-08	-0.52158	6.13E-34	-0.66806	1.13E-61
0.00012	0.22557	8.43E-07	0.295367	7.43E-11	0.489109	1.85E-29	0.504953	1.38E-31
0.03503	0.192779	2.74E-05	0.056974	0.21911	0.292147	1.22E-10	0.437428	3.01E-23
8.13E-06	0.280559	6.78E-10	0.261652	9.50E-09	0.387884	3.24E-18	0.540177	9.90E-37
0.80733	0.179205	9.87E-05	0.159825	0.00053	0.269644	3.19E-09	0.340203	4.07E-14
0.1126	0.232866	3.60E-07	0.312166	5.16E-12	0.381944	1.14E-17	0.495051	3.04E-30
0.00072	0.253766	2.69E-08	0.117221	0.01124	0.316522	2.51E-12	0.416248	5.40E-21
0.00322	0.144408	0.00176	0.307456	1.11E-11	0.504697	1.50E-31	0.573019	4.15E-42
0.07834	0.190516	3.41E-05	0.290922	1.46E-10	0.372121	8.74E-17	0.500236	6.11E-31
0.44325	0.128864	0.00529	0.166503	0.0003	0.300319	3.45E-11	0.331893	1.80E-13
0.08015	0.187967	4.36E-05	0.231478	4.24E-07	0.16434	0.00036	0.361807	6.87E-16
1.17E-09	0.403026	1.15E-19	0.311326	5.92E-12	0.527841	7.36E-35	0.770121	7.76E-93
0.01007	0.176204	0.00013	0.559924	6.83E-40	0.745662	5.11E-84	0.770436	5.88E-93
0.00317	-0.25758	1.63E-08	-0.28929	1.87E-10	-0.27214	2.25E-09	-0.53054	2.91E-35
3.54E-09	0.539921	1.08E-36	0.214004	3.06E-06	0.150658	0.00109	0.365553	3.28E-16
2.04E-10	-0.2067	6.68E-06	-0.29348	9.93E-11	-0.4118	1.53E-20	-0.46497	2.00E-26
5.04E-08	-0.10762	0.02001	-0.31482	3.34E-12	-0.32017	1.36E-12	-0.34785	9.94E-15
0.5119	0.28043	6.91E-10	0.300022	3.61E-11	0.433057	9.05E-23	0.499084	8.75E-31
5.67E-09	0.16837	0.00026	0.299093	4.17E-11	0.598405	1.06E-46	0.712484	1.48E-73
7.61E-17	0.348033	9.61E-15	0.377248	3.05E-17	0.296842	5.92E-11	0.456882	1.84E-25
0.00292	0.398785	2.98E-19	0.679488	1.57E-64	0.776911	1.76E-95	0.877234	#####
0.00821	0.067506	0.14523	0.293817	9.42E-11	0.41796	3.60E-21	0.469593	5.47E-27
0.00037	-0.26889	3.54E-09	-0.25134	3.68E-08	-0.41691	4.61E-21	-0.50496	1.38E-31
0.17576	0.260876	1.05E-08	0.530504	2.95E-35	0.711915	2.18E-73	0.800112	#####
0.01291	0.175592	0.00014	0.420077	2.17E-21	0.691434	1.17E-67	0.839447	#####
0.03963	-0.18846	4.16E-05	-0.21133	4.09E-06	-0.20973	4.85E-06	-0.35743	1.61E-15
0.00121	0.191919	2.98E-05	0.271068	2.62E-09	0.40124	1.72E-19	0.418067	3.51E-21
0.2756	0.258763	1.40E-08	0.517245	2.59E-33	0.443255	6.76E-24	0.469594	5.47E-27
0.87831	0.084878	0.06686	0.186356	5.08E-05	0.328122	3.49E-13	0.426196	4.94E-22
0.02926	0.155434	0.00075	0.444083	5.45E-24	0.391289	1.55E-18	0.40122	1.73E-19
0.50487	0.379424	1.94E-17	0.266535	4.90E-09	0.392886	1.10E-18	0.532879	1.29E-35
0.00131	0.289342	1.86E-10	0.318358	1.85E-12	0.441956	9.45E-24	0.578703	4.22E-43
0.0032	-0.32067	1.25E-12	-0.24335	1.01E-07	-0.46687	1.17E-26	-0.58061	1.94E-43
0.14255	0.463701	2.84E-26	0.20916	5.15E-06	0.365565	3.27E-16	0.591029	2.53E-45

0.00449	0.370225	1.28E-16	0.298533	4.55E-11	0.470716	3.98E-27	0.746643	2.37E-84
0.35695	0.170242	0.00022	0.43665	3.66E-23	0.474981	1.18E-27	0.527956	7.07E-35
0.03993	0.177578	0.00011	0.206958	6.50E-06	0.306395	1.32E-11	0.362439	6.06E-16
0.38302	0.190092	3.55E-05	0.150465	0.00111	0.273409	1.89E-09	0.39378	9.01E-19
1.86E-10	0.470917	3.76E-27	0.085513	0.06484	0.265933	5.32E-09	0.388663	2.74E-18
0.97287	0.09527	0.03959	0.462543	3.91E-26	0.250552	4.07E-08	0.333953	1.25E-13
0.78539	0.199223	1.44E-05	0.565089	9.38E-41	0.504155	1.78E-31	0.58868	6.82E-45
0.00039	0.468119	8.28E-27	0.180603	8.68E-05	0.490199	1.33E-29	0.628858	8.89E-53
0.68779	0.191268	3.17E-05	0.296035	6.71E-11	0.460855	6.22E-26	0.533415	1.07E-35
0.56389	0.148019	0.00134	0.220029	1.58E-06	0.543645	2.86E-37	0.525041	1.91E-34
0.00073	-0.28605	3.03E-10	-0.33622	8.35E-14	-0.44826	1.83E-24	-0.52929	4.48E-35
5.07E-06	-0.1406	0.00232	-0.33645	8.01E-14	-0.32012	1.37E-12	-0.36315	5.27E-16
0.96876	0.294842	8.06E-11	0.402737	1.23E-19	0.334084	1.22E-13	0.427913	3.24E-22
6.40E-06	-0.38396	7.47E-18	-0.27551	1.40E-09	-0.30452	1.77E-11	-0.53565	4.91E-36
4.63E-10	-0.28479	3.66E-10	-0.34516	1.64E-14	-0.33157	1.91E-13	-0.49691	1.72E-30
2.46E-08	-0.17088	0.00021	-0.25766	1.62E-08	-0.19408	2.41E-05	-0.35171	4.81E-15
0.00152	0.296121	6.62E-11	0.307986	1.02E-11	0.345985	1.41E-14	0.576246	1.14E-42
7.88E-05	0.311794	5.48E-12	0.15969	0.00053	0.237789	2.00E-07	0.531595	2.02E-35
0.00185	0.334365	1.16E-13	0.297692	5.19E-11	0.369872	1.38E-16	0.630038	5.01E-53
0.06067	0.306621	1.27E-11	0.199623	1.39E-05	0.4352	5.29E-23	0.506834	7.61E-32
0.07603	0.230392	4.82E-07	0.559269	8.77E-40	0.564841	1.03E-40	0.538089	2.08E-36
0.72171	0.09262	0.04545	0.412524	1.30E-20	0.399488	2.55E-19	0.440786	1.28E-23
0.06446	-0.24476	8.47E-08	-0.1617	0.00045	-0.29871	4.43E-11	-0.40173	1.54E-19
2.40E-09	0.390345	1.90E-18	0.605535	4.60E-48	0.663305	1.60E-60	0.804288	#####
0.0112	0.169101	0.00024	0.382368	1.05E-17	0.725082	2.40E-77	0.765034	6.49E-91
0.77883	0.385992	4.85E-18	0.484317	7.74E-29	0.631124	2.95E-53	0.653803	2.76E-58
4.22E-05	-0.29526	7.56E-11	-0.17407	0.00016	-0.29166	1.31E-10	-0.45409	3.90E-25
0.24582	0.424936	6.71E-22	0.595384	3.94E-46	0.738549	1.22E-81	0.801755	#####
0.33927	0.66272	2.21E-60	0.316246	2.63E-12	0.387492	3.52E-18	0.612879	1.66E-49
0.85699	0.359154	1.15E-15	0.184212	6.21E-05	0.297491	5.35E-11	0.521872	5.56E-34
1.81E-21	0.282804	4.89E-10	0.146609	0.00149	0.257789	1.59E-08	0.51871	1.60E-33
0.23972	-0.23584	2.53E-07	-0.18801	4.34E-05	-0.2891	1.93E-10	-0.41111	1.80E-20
0.39495	0.495803	2.41E-30	0.096881	0.03636	0.237788	2.00E-07	0.469338	5.88E-27
0.6728	0.525406	1.69E-34	0.254928	2.31E-08	0.43189	1.21E-22	0.580577	1.97E-43
5.12E-14	0.520206	9.70E-34	0.210945	4.26E-06	0.289479	1.82E-10	0.537899	2.22E-36
0.38846	0.299716	3.79E-11	0.364639	3.93E-16	0.436033	4.28E-23	0.53563	4.95E-36
6.73E-07	0.113949	0.01374	0.34086	3.61E-14	0.480585	2.32E-28	0.541582	5.99E-37
0.19078	0.129906	0.00493	0.316289	2.61E-12	0.540187	9.87E-37	0.667494	1.55E-61
0.24958	0.256237	1.95E-08	0.195212	2.16E-05	0.456958	1.80E-25	0.638774	6.62E-55
0.049	0.233352	3.40E-07	0.437654	2.84E-23	0.368367	1.87E-16	0.445313	3.96E-24
2.02E-05	0.173807	0.00016	0.370388	1.24E-16	0.39781	3.70E-19	0.473897	1.61E-27
0.01327	0.031875	0.49198	0.350625	5.91E-15	0.29291	1.08E-10	0.374021	5.93E-17
0.38861	0.21148	4.02E-06	0.265624	5.55E-09	0.397118	4.31E-19	0.435999	4.32E-23
0.00193	0.404646	7.96E-20	0.497477	1.44E-30	0.492199	7.27E-30	0.648445	4.66E-57
0.00499	-0.21668	2.29E-06	-0.21603	2.46E-06	-0.23221	3.89E-07	-0.40084	1.88E-19



1.38E-16	0.337482	6.66E-14	0.42488	6.81E-22	0.557119	1.98E-39	0.687365	1.42E-66
4.52E-11	-0.18059	8.69E-05	-0.1425	0.00202	-0.34976	6.95E-15	-0.39482	7.17E-19
0.03793	0.471698	3.01E-27	0.296139	6.60E-11	0.646888	1.05E-56	0.787912	#####
0.63066	0.283624	4.34E-10	0.336052	8.60E-14	0.514963	5.49E-33	0.61613	3.72E-50
0.01149	0.245772	7.46E-08	0.256208	1.96E-08	0.383304	8.59E-18	0.523548	3.16E-34
0.60143	0.220364	1.52E-06	0.408759	3.10E-20	0.437864	2.69E-23	0.55164	1.54E-38
6.18E-23	0.347106	1.14E-14	0.281382	6.02E-10	0.373685	6.35E-17	0.63673	1.84E-54
0.5436	0.136016	0.00323	0.361519	7.27E-16	0.536966	3.09E-36	0.67634	9.92E-64
0.00145	0.304679	1.73E-11	0.328368	3.34E-13	0.224279	9.77E-07	0.434612	6.13E-23
0.32003	0.379733	1.82E-17	0.66703	2.01E-61	0.765356	4.92E-91	0.891383	#####
0.0882	0.149647	0.00118	0.313017	4.49E-12	0.520613	8.47E-34	0.56718	4.16E-41
5.10E-27	0.313	4.50E-12	0.242283	1.15E-07	0.334516	1.13E-13	0.524878	2.02E-34
0.00125	0.053312	0.25022	0.278612	8.99E-10	0.458294	1.25E-25	0.486088	4.57E-29
4.69E-07	0.293004	1.07E-10	0.270939	2.66E-09	0.372716	7.74E-17	0.586236	1.90E-44
0.01605	-0.26219	8.84E-09	-0.152	0.00098	-0.3772	3.08E-17	-0.52165	5.99E-34
1.72E-07	0.23074	4.63E-07	0.728553	1.99E-78	0.807535	#####	0.860751	#####
3.73E-19	0.439257	1.89E-23	0.60026	4.74E-47	0.730639	4.36E-79	0.792907	#####
3.40E-14	0.506127	9.54E-32	0.329648	2.67E-13	0.522064	5.21E-34	0.79579	#####
0.00569	0.117303	0.01118	0.220452	1.51E-06	0.354473	2.84E-15	0.383093	8.98E-18
0.00164	-0.17272	0.00018	-0.31739	2.17E-12	-0.37531	4.55E-17	-0.37283	7.56E-17
2.81E-05	0.232577	3.73E-07	0.17113	0.0002	0.37962	1.86E-17	0.528792	5.31E-35
3.64E-06	0.294888	8.00E-11	0.074937	0.1058	0.194705	2.27E-05	0.424571	7.34E-22
1.01E-09	0.319803	1.45E-12	0.386894	4.00E-18	0.527442	8.43E-35	0.722232	1.80E-76
0.17984	0.263751	7.16E-09	0.206273	6.99E-06	0.319879	1.43E-12	0.519786	1.12E-33
6.34E-13	0.189281	3.84E-05	0.36258	5.90E-16	0.553573	7.49E-39	0.59799	1.28E-46
0.91554	0.149185	0.00122	0.297127	5.67E-11	0.502923	2.63E-31	0.551643	1.53E-38
1.58E-25	0.290542	1.55E-10	0.261783	9.33E-09	0.377122	3.13E-17	0.574936	1.93E-42
8.21E-06	0.226369	7.69E-07	0.27877	8.78E-10	0.340515	3.84E-14	0.525797	1.48E-34
0.00011	0.252044	3.36E-08	0.263701	7.20E-09	0.365235	3.49E-16	0.517142	2.68E-33
0.00169	0.288113	2.23E-10	0.466606	1.27E-26	0.503039	2.54E-31	0.625618	4.24E-52
1.63E-12	0.460907	6.13E-26	0.215891	2.49E-06	0.509194	3.57E-32	0.688605	6.67E-67
1.32E-09	0.286592	2.80E-10	0.179357	9.73E-05	0.324778	6.22E-13	0.51594	3.99E-33
0.68662	0.30595	1.41E-11	0.235588	2.60E-07	0.389982	2.06E-18	0.474341	1.42E-27
0.00674	0.198936	1.49E-05	0.079022	0.08805	0.260256	1.14E-08	0.397393	4.06E-19
3.38E-16	0.300667	3.26E-11	0.190219	3.51E-05	0.308673	9.11E-12	0.505161	1.30E-31
1.54E-10	-0.25557	2.13E-08	-0.23366	3.28E-07	-0.26821	3.89E-09	-0.43004	1.92E-22
2.54E-07	0.257518	1.65E-08	0.214714	2.84E-06	0.406142	5.66E-20	0.552056	1.32E-38
1.04E-06	0.259315	1.30E-08	0.161123	0.00047	0.321491	1.09E-12	0.502809	2.73E-31
1.43E-08	0.391266	1.56E-18	0.235227	2.72E-07	0.443798	5.87E-24	0.668102	1.10E-61
0.85693	0.407641	4.01E-20	0.182782	7.10E-05	0.435822	4.52E-23	0.622578	1.81E-51
0.07072	0.35184	4.69E-15	0.150679	0.00109	0.220841	1.44E-06	0.452244	6.38E-25
3.21E-10	0.063538	0.17044	0.507069	7.06E-32	0.551159	1.84E-38	0.514073	7.35E-33
2.49E-29	0.182092	7.57E-05	-0.03802	0.41236	-0.02367	0.60989	0.063782	0.16881
5.67E-23	0.162682	0.00042	-0.0544	0.24066	0.00293	0.94965	0.044337	0.33906
3.92E-61	0.206815	6.60E-06	0.031663	0.49487	-0.0046	0.92109	0.088462	0.05609

2.92E-52	0.193523	2.55E-05	0.020678	0.65582	0.01819	0.695	0.082765	0.07396
4.76E-12	0.078011	0.0922	-0.01185	0.79836	-0.02378	0.60828	0.026492	0.56796
9.88E-20	0.131682	0.00437	0.009502	0.83773	-0.01373	0.76734	0.032619	0.48193
2.57E-29	0.171426	0.0002	0.023228	0.61659	-0.01052	0.82056	0.03617	0.43551
1.55E-25	0.123969	0.00731	-0.0315	0.49713	-0.00823	0.85919	0.046404	0.31699
1.53E-35	0.162676	0.00042	0.040804	0.37897	0.024502	0.5974	0.065831	0.15551
1.04E-08	0.10155	0.02821	-0.04983	0.28257	-0.04092	0.37762	-0.00191	0.96718
0.05182	0.396946	4.48E-19	0.044763	0.33443	0.096585	0.03693	0.242974	1.06E-07
3.10E-33	0.165567	0.00033	0.013326	0.77394	0.017591	0.70458	0.058921	0.20373
2.31E-11	0.122161	0.00822	-0.11345	0.01417	-0.0665	0.15134	-0.01415	0.76032
5.76E-09	0.166743	0.0003	-0.04027	0.38528	-0.05241	0.25829	0.01259	0.78612
1.28E-52	0.211658	3.95E-06	0.022118	0.63354	-0.01133	0.80703	0.065581	0.15709
4.97E-26	0.102838	0.02626	-0.07507	0.10517	-0.02356	0.61162	-0.00587	0.89932
1.02E-45	0.194116	2.40E-05	0.033044	0.47624	0.02338	0.61429	0.097266	0.03562
2.15E-08	0.309837	7.55E-12	0.009303	0.84108	0.021131	0.64878	0.158053	0.00061
0.11308	0.097559	0.03506	0.048727	0.29335	0.006349	0.89115	0.029069	0.5309
1.77E-26	0.152025	0.00098	-0.03945	0.39496	-0.0316	0.49571	0.019687	0.67132
8.89E-13	0.115257	0.01269	0.085697	0.06426	0.170376	0.00022	0.208012	5.82E-06
2.53E-24	0.185495	5.51E-05	-0.01311	0.77758	0.002814	0.95163	0.046226	0.31886
8.02E-07	0.112255	0.01522	0.000288	0.99504	-0.01825	0.69412	0.036276	0.43416
1.25E-16	0.111336	0.01608	-0.0077	0.86824	-0.04126	0.3737	0.003796	0.93479
6.01E-20	0.183713	6.51E-05	0.058229	0.2091	0.033077	0.4758	0.07551	0.10316
9.42E-25	0.160285	0.00051	0.061682	0.1833	0.039092	0.39932	0.064245	0.16573
3.37E-20	0.15579	0.00073	0.044752	0.33455	0.039305	0.39676	0.068604	0.13879
1.26E-51	0.19681	1.84E-05	0.072417	0.1181	0.021685	0.6402	0.091442	0.04828
9.51E-16	0.120112	0.00937	-0.04406	0.34204	-0.05144	0.26722	0.006692	0.88532
4.42E-39	0.241597	1.25E-07	0.072988	0.11522	0.096321	0.03745	0.181119	8.28E-05
3.78E-27	0.157369	0.00064	0.031903	0.49161	0.026181	0.57251	0.055953	0.22748
4.24E-22	0.145178	0.00166	0.025845	0.57745	0.001479	0.97457	0.04423	0.34023
6.65E-22	0.115976	0.01214	-0.00756	0.87055	-0.01671	0.71868	0.021811	0.63826
1.89E-08	0.208063	5.79E-06	0.084847	0.06696	0.245801	7.43E-08	0.346343	1.32E-14
1.24E-18	-0.01832	0.69287	0.053335	0.25002	0.047378	0.30693	-0.05131	0.26844
1.58E-16	0.206586	6.76E-06	-0.00199	0.96588	0.010395	0.82272	0.060142	0.1945
1.34E-19	0.216973	2.21E-06	0.07767	0.09364	0.099847	0.03098	0.173397	0.00017
1.50E-14	0.103942	0.02469	-0.0853	0.06552	-0.05606	0.22659	-0.03058	0.50975
2.05E-09	0.096253	0.03759	-0.01932	0.67713	-0.03792	0.41359	0.016086	0.7288
1.48E-16	0.132393	0.00416	-0.07108	0.12506	-0.06163	0.18364	-0.0302	0.51502
2.15E-38	0.195748	2.04E-05	0.134012	0.00372	0.17945	9.65E-05	0.196805	1.84E-05
4.32E-08	0.098714	0.03295	0.056752	0.22091	0.080374	0.08273	0.089757	0.05258
6.52E-24	0.126925	0.00602	0.060789	0.18974	-0.00575	0.90138	0.066307	0.15253
4.94E-33	0.157581	0.00063	0.03967	0.39238	0.019192	0.67912	0.062486	0.17765
3.47E-05	0.113023	0.01454	-0.0554	0.23212	0.007201	0.87666	-0.02572	0.57934
3.52E-21	0.060344	0.19301	0.005069	0.91301	0.060364	0.19286	0.009717	0.83412
5.69E-42	0.146329	0.00152	0.016318	0.72505	0.002257	0.9612	0.044204	0.34051
1.88E-21	0.173203	0.00017	-0.01957	0.67315	-0.02901	0.53178	-0.00179	0.96926

3.75E-59	0.170761	0.00021	0.051514	0.26658	0.01906	0.6812	0.080805	0.08109
2.57E-21	0.155733	0.00073	0.065898	0.15508	0.03126	0.50038	0.055198	0.23383
5.26E-40	0.153502	0.00087	0.009176	0.84323	0.025398	0.58406	0.073912	0.11068
9.48E-43	0.186517	5.00E-05	-0.02157	0.64204	0.015399	0.73996	0.117603	0.01098
2.26E-13	0.114048	0.01366	0.025836	0.57759	0.082505	0.07488	0.147722	0.00137
1.90E-33	0.287397	2.48E-10	0.076082	0.10057	0.143977	0.00181	0.217827	2.02E-06
7.10E-26	0.393626	9.31E-19	0.047434	0.30636	0.073266	0.11384	0.31121	6.03E-12
9.21E-14	0.063487	0.17079	-0.00328	0.94365	0.1132	0.01438	0.032481	0.48378
2.08E-10	0.163382	0.00039	-0.07608	0.10056	-0.04529	0.32879	0.000282	0.99514
5.74E-24	0.137837	0.00284	-0.04067	0.38058	-0.03085	0.50601	0.037947	0.41328
1.87E-27	0.151579	0.00102	-0.05705	0.2185	-0.01948	0.67455	0.013949	0.76369
6.27E-19	0.149133	0.00123	-0.02053	0.65809	-0.00464	0.92041	0.008478	0.85501
2.70E-40	0.149868	0.00116	-0.04503	0.33156	-0.06877	0.13786	0.032346	0.48561
3.05E-33	0.154502	0.00081	-0.06351	0.17066	-0.0198	0.66957	0.033674	0.46787
8.15E-22	0.113624	0.01402	-0.07894	0.0884	-0.03897	0.40082	0.023233	0.61652
5.93E-25	0.129855	0.00495	0.144957	0.00169	0.188515	4.14E-05	0.21919	1.73E-06
2.23E-17	0.12884	0.0053	0.028118	0.54443	0.004871	0.91639	0.040315	0.38472
2.93E-80	0.168643	0.00025	0.083196	0.07247	0.03775	0.4157	0.11369	0.01396
8.58E-21	0.130682	0.00467	-0.01224	0.79191	-0.01564	0.73611	0.032478	0.48382
1.89E-32	0.151247	0.00104	0.011531	0.80372	0.026586	0.56659	0.044545	0.3368
1.33E-12	0.130982	0.00458	0.067821	0.14336	0.003144	0.94597	0.04477	0.33435
4.58E-47	0.157472	0.00064	-0.00599	0.89727	-0.0061	0.89546	0.063221	0.17259
1.91E-25	0.172858	0.00017	0.043854	0.34435	0.018567	0.68901	0.059263	0.20111
3.52E-14	0.170316	0.00022	0.045087	0.33094	0.03126	0.50038	0.051212	0.26939
4.31E-26	0.180734	8.58E-05	0.015364	0.74053	0.036955	0.42561	0.078457	0.09035
8.09E-26	0.166387	0.0003	0.01604	0.72954	0.027808	0.54888	0.053826	0.24568
7.52E-26	0.201009	1.20E-05	0.023963	0.60548	-0.00149	0.97446	0.057876	0.21188
1.18E-16	0.16218	0.00043	0.005061	0.91314	0.009331	0.84062	0.037687	0.41648
6.15E-26	0.180441	8.81E-05	-0.02323	0.61663	-0.01828	0.69353	0.01763	0.70395
1.49E-31	0.172989	0.00017	0.016044	0.72949	0.023154	0.61772	0.04779	0.30274
3.73E-28	0.149407	0.0012	-0.01741	0.70749	0.013516	0.77081	0.022642	0.62551
3.14E-30	0.265852	5.38E-09	-0.03376	0.46677	-0.03056	0.51002	0.029494	0.5249
3.28E-33	0.158916	0.00057	0.039367	0.39601	0.024496	0.59749	0.055962	0.22741
2.27E-63	0.185578	5.47E-05	0.022718	0.62435	0.006611	0.8867	0.067811	0.14342
3.78E-24	0.136566	0.0031	0.098635	0.03309	0.143606	0.00186	0.232526	3.75E-07
4.31E-07	0.066028	0.15427	-0.02332	0.61514	-0.11356	0.01407	-0.05193	0.26269
7.36E-21	0.090073	0.05175	-0.04484	0.33358	-0.04647	0.31636	0.025691	0.57972
8.71E-11	0.089173	0.05414	0.023332	0.61502	-0.00384	0.93411	0.022931	0.62111
2.52E-12	0.096316	0.03746	-0.06685	0.14919	-0.06319	0.17282	-0.00504	0.91354
2.51E-08	0.054846	0.23683	-0.12325	0.00766	-0.06827	0.14075	-0.03654	0.43078
6.32E-12	0.054117	0.24313	-0.12926	0.00515	-0.05002	0.28076	-0.0503	0.27798
2.51E-15	0.074254	0.10903	0.064165	0.16626	0.051165	0.26983	0.077966	0.09239
1.95E-15	0.095145	0.03985	-0.09539	0.03934	-0.01138	0.80632	-0.02464	0.59536
1.58E-30	0.178616	0.0001	-0.04036	0.38425	-0.05072	0.27398	0.030149	0.51573
4.93E-10	0.295389	7.41E-11	0.001028	0.98233	0.077752	0.09329	0.194748	2.26E-05

1.19E-05	0.106844	0.02092	-0.02461	0.59577	-0.01336	0.77341	-0.00234	0.95986
1.15E-23	0.159712	0.00053	-0.01311	0.77757	0.014102	0.76116	0.047369	0.30703
9.81E-33	0.143586	0.00187	0.094329	0.04159	0.032743	0.48027	0.079167	0.08747
2.01E-23	0.155178	0.00077	0.031496	0.49715	0.010526	0.82054	0.05224	0.25988
1.87E-37	0.156205	0.00071	0.016345	0.72462	0.02638	0.56959	0.067967	0.1425
1.28E-15	0.10549	0.02261	0.011724	0.80052	0.025101	0.58846	0.011006	0.81248
1.07E-07	0.185852	5.33E-05	0.130927	0.0046	0.264155	6.77E-09	0.327265	4.05E-13
1.20E-26	0.154414	0.00081	-0.05866	0.20575	-0.04541	0.32745	0.026284	0.571
2.39E-16	0.127229	0.0059	0.070371	0.12888	0.092222	0.04639	0.122759	0.00791
2.06E-39	0.191346	3.15E-05	0.051167	0.26981	-0.0214	0.64459	0.06695	0.14859
6.65E-09	0.086205	0.06269	0.045054	0.33129	0.061878	0.18191	0.101478	0.02833
1.39E-48	0.199382	1.42E-05	0.033895	0.46495	0.02477	0.59339	0.074738	0.10674
7.51E-28	0.129225	0.00516	-0.05418	0.24255	-0.04962	0.28457	0.004817	0.91731
7.73E-37	0.170732	0.00021	-0.00613	0.89497	-0.00834	0.85734	0.041698	0.36861
1.46E-16	0.141311	0.00221	0.015851	0.73261	0.018785	0.68556	0.060057	0.19514
5.08E-39	0.201887	1.10E-05	0.002597	0.95537	-0.04378	0.3452	0.048369	0.29691
6.36E-29	0.198834	1.50E-05	0.034708	0.4543	0.023642	0.61032	0.066425	0.1518
1.27E-30	0.426433	4.66E-22	0.175588	0.00014	0.210741	4.36E-06	0.335197	1.00E-13
8.67E-65	0.179007	0.0001	0.05839	0.20785	0.022512	0.6275	0.081931	0.07693
7.43E-11	0.069099	0.13596	-0.09432	0.04162	-0.06228	0.17909	-0.03718	0.42276
7.48E-30	0.164792	0.00035	-0.03654	0.43088	-0.029	0.53182	0.071953	0.12048
3.68E-69	0.182356	7.39E-05	0.028338	0.54128	0.001189	0.97955	0.067613	0.1446
4.59E-44	0.122554	0.00802	0.006613	0.88667	-0.00395	0.93223	0.027031	0.56011
9.76E-22	0.168331	0.00026	0.022505	0.6276	0.018816	0.68507	0.096352	0.03739
2.03E-32	0.132766	0.00405	-0.05539	0.23218	-0.0417	0.36859	0.019069	0.68106
1.20E-14	0.111471	0.01595	0.016205	0.72688	-0.0177	0.70288	0.049798	0.28285
9.85E-17	0.17888	0.0001	-0.0801	0.08381	-0.02719	0.55785	0.072206	0.11918
1.12E-34	0.180354	8.88E-05	-0.00682	0.88307	-0.0062	0.89378	0.041299	0.37322
7.71E-12	0.144536	0.00174	0.09173	0.04757	0.030909	0.5052	0.073088	0.11472
3.33E-34	0.168271	0.00026	-0.00265	0.95452	0.005203	0.91071	0.043123	0.35246
2.09E-35	0.144504	0.00174	-0.07183	0.12113	-0.04962	0.28459	0.005776	0.90092
5.42E-36	0.187109	4.73E-05	0.055734	0.22931	0.029518	0.52456	0.069375	0.13439
1.35E-28	0.110317	0.01709	-0.00431	0.92599	-0.00793	0.86424	0.029282	0.52789
6.12E-10	0.081232	0.07949	-0.04642	0.31682	-0.02455	0.59671	-0.01219	0.79279
1.03E-09	0.083753	0.07057	-0.03578	0.44053	-0.05754	0.21455	-0.04083	0.37867
4.10E-12	0.10057	0.02978	0.05341	0.24935	0.010259	0.82501	0.020987	0.651
2.60E-25	0.034161	0.46145	0.092654	0.04537	-0.02081	0.65383	-0.00361	0.93797
8.17E-27	0.16958	0.00023	0.006812	0.88328	0.001338	0.977	0.194496	2.31E-05
3.61E-25	0.175	0.00014	0.048531	0.2953	0.009395	0.83953	0.090844	0.04977
0.0043	0.099896	0.0309	0.008925	0.84746	0.012411	0.78909	0.011626	0.80214
0.09309	0.035395	0.44542	-0.00579	0.90066	-0.00964	0.83534	0.015637	0.73609
8.16E-19	0.106127	0.0218	0.045884	0.32245	0.028228	0.54285	0.05928	0.20099
0.12446	0.05419	0.24249	-0.04377	0.34532	0.001915	0.96707	0.012244	0.79186
1.28E-12	0.110709	0.01669	0.071876	0.12088	0.033315	0.47263	0.0694	0.13425
2.03E-14	0.113553	0.01408	-0.05551	0.23118	-0.00478	0.9179	0.001055	0.98187

4.62E-08	0.136571	0.0031	0.011357	0.80662	0.043971	0.34306	0.099278	0.03196
8.60E-10	0.130719	0.00466	0.002556	0.95606	0.056374	0.224	0.121077	0.00882
8.43E-11	0.148733	0.00127	0.017964	0.69861	0.005872	0.89929	0.022473	0.62809
0.00013	0.099916	0.03086	0.062247	0.17932	0.076129	0.10035	0.112599	0.01491
8.56E-05	0.113626	0.01402	0.005018	0.91388	0.080097	0.0838	0.096887	0.03634
0.23277	0.055285	0.23309	-0.07228	0.11882	-0.0627	0.17616	-0.05587	0.22816
9.86E-06	0.089712	0.0527	-0.02841	0.5403	-0.0043	0.92617	0.009927	0.83058
1.83E-06	0.101078	0.02896	0.198287	1.59E-05	0.31237	4.99E-12	0.302765	2.34E-11
2.30E-26	0.165287	0.00033	0.009153	0.84361	0.020141	0.6642	0.06593	0.15488
6.75E-21	0.231795	4.09E-07	-0.01427	0.7584	0.028676	0.53647	0.074265	0.10898
1.75E-12	0.129229	0.00516	-0.01868	0.68724	-0.04545	0.32705	0.012713	0.78408
1.11E-07	0.140925	0.00227	0.004513	0.92252	0.036338	0.43337	0.05313	0.25184
5.33E-31	0.116105	0.01205	-0.0524	0.25847	-0.08379	0.07045	0.011368	0.80644
3.48E-18	0.119003	0.01005	0.123441	0.00757	0.032564	0.48267	0.080115	0.08373
6.16E-28	0.174987	0.00014	-0.01611	0.72844	0.000873	0.98499	0.054834	0.23693
7.87E-31	0.142685	0.00199	-0.03518	0.44819	-0.01986	0.66857	0.008182	0.86003
2.62E-15	0.150716	0.00109	-0.0408	0.37906	-0.01733	0.70872	0.012808	0.78251
6.58E-05	0.054744	0.2377	-0.05477	0.23746	-0.03808	0.41163	0.004126	0.92914
6.84E-23	0.175089	0.00014	-0.00373	0.9359	0.053837	0.24558	0.066559	0.15098
2.55E-12	0.319403	1.55E-12	-0.0629	0.17481	-0.00428	0.92645	0.164599	0.00035
6.04E-10	0.088399	0.05627	0.090414	0.05086	-0.00132	0.97736	0.060847	0.18932
4.03E-14	0.110923	0.01648	-0.00088	0.98486	-0.01344	0.772	-0.01181	0.79909
0.32026	0.01134	0.80691	0.024161	0.60251	-0.05745	0.21526	-0.03407	0.46271
6.37E-22	0.160466	0.0005	0.00148	0.97456	0.008448	0.85553	0.042067	0.36438
3.41E-11	0.104772	0.02355	0.032259	0.48678	0.014315	0.75768	0.056364	0.22408
2.26E-21	0.150988	0.00106	0.083471	0.07152	0.102367	0.02696	0.092072	0.04675
4.19E-08	0.132537	0.00412	-0.02382	0.60767	0.003501	0.93985	0.029624	0.52308
8.05E-11	0.150935	0.00107	0.009407	0.83933	0.017196	0.71091	0.041321	0.37296
0.00018	0.096505	0.03709	-0.13429	0.00364	-0.04279	0.35614	-0.01559	0.73681
4.78E-29	0.086324	0.06233	-0.12239	0.0081	-0.0173	0.70923	-0.01554	0.7377
1.49E-08	0.06676	0.14974	-0.08463	0.06765	-0.03115	0.50188	-0.01971	0.67102
0.00011	0.057427	0.21546	-0.08623	0.06261	-0.01453	0.7542	-0.03712	0.42357
1.17E-16	0.07895	0.08834	-0.05367	0.24707	0.003588	0.93836	-0.00278	0.95229
8.93E-10	0.119199	0.00993	0.007762	0.86715	-0.01171	0.80073	0.016903	0.71562
7.64E-16	0.101652	0.02805	-0.09603	0.03804	-0.05497	0.23579	-0.02185	0.6377
2.02E-15	0.136143	0.0032	0.07548	0.10329	0.039454	0.39496	0.070949	0.12576
6.19E-15	0.190149	3.54E-05	0.016362	0.72434	-0.00958	0.83636	0.0762	0.10004
3.57E-13	0.163125	0.0004	0.016828	0.71682	0.008301	0.85801	0.058159	0.20965
6.14E-15	0.147782	0.00136	0.048975	0.2909	0.033982	0.4638	0.045479	0.32675
4.93E-10	0.107134	0.02058	0.027051	0.55981	0.040703	0.38016	0.042309	0.36164
5.39E-06	0.109108	0.01834	0.028663	0.53666	-0.03822	0.40989	0.00987	0.83154
3.93E-18	0.153738	0.00086	-6.76E-05	0.99884	-0.00371	0.93624	0.04041	0.3836
1.32E-06	0.081511	0.07846	0.030883	0.50557	0.001041	0.9821	0.013164	0.77663
2.63E-19	0.198972	1.48E-05	-0.00536	0.90802	0.053909	0.24494	0.129111	0.0052
0.00339	0.133711	0.00379	-0.03564	0.44223	-0.01196	0.79664	0.007314	0.87475

0.00486	0.122321	0.00814	0.095126	0.03989	-0.01977	0.66999	0.032672	0.48123
6.69E-13	0.12095	0.00889	-0.00515	0.91157	0.100806	0.0294	0.135366	0.00338
0.12058	0.072921	0.11555	0.00326	0.94398	0.017133	0.71192	0.00187	0.96785
0.00032	0.114298	0.01345	0.064609	0.16334	0.045568	0.3258	0.049708	0.28373
0.00448	0.055498	0.2313	0.038182	0.41039	-0.00913	0.84403	-0.00676	0.8842
0.02567	0.04456	0.33663	-0.06916	0.13562	-0.07232	0.1186	-0.03819	0.41023
3.87E-17	0.211557	3.99E-06	0.070622	0.12752	0.174944	0.00014	0.302614	2.40E-11
2.39E-06	0.118656	0.01028	0.036933	0.42588	0.026301	0.57075	0.039792	0.39092
0.00018	0.1081	0.01946	0.013473	0.77152	0.018379	0.692	0.050486	0.27625
0.00012	0.056777	0.2207	0.025966	0.57567	0.105756	0.02227	0.078044	0.09207
6.60E-16	0.089395	0.05354	-0.07563	0.1026	0.000149	0.99744	0.091279	0.04868
2.56E-06	0.131767	0.00434	-0.0433	0.35045	-0.01647	0.72265	-0.00439	0.92461
7.35E-14	0.122611	0.00799	0.134136	0.00368	0.115553	0.01246	0.168923	0.00025
0.00427	0.077532	0.09423	0.162658	0.00042	0.159361	0.00055	0.15547	0.00075
0.00012	0.144453	0.00175	0.00427	0.92668	-0.00424	0.9272	0.043621	0.34692
0.02245	0.074947	0.10576	0.040607	0.38129	0.046983	0.31099	0.0621	0.18035
1.01E-08	0.132916	0.00401	-0.01497	0.74702	0.005633	0.90338	0.023492	0.61259
1.14E-11	0.109186	0.01826	-0.00259	0.95547	-0.00581	0.9004	-0.01612	0.72819
1.80E-37	0.095831	0.03844	0.036766	0.42797	-0.0712	0.12441	-0.01857	0.68894
1.28E-18	0.155996	0.00072	-0.01376	0.76686	0.025815	0.5779	0.036052	0.43701
1.60E-08	0.102411	0.0269	-0.01002	0.82903	0.017893	0.69974	0.005488	0.90584
4.58E-08	0.091766	0.04749	0.026793	0.56356	0.015144	0.74412	0.009365	0.84005
9.61E-18	0.088854	0.05501	0.030941	0.50477	0.06711	0.14761	0.118868	0.01014
2.72E-08	0.117017	0.01138	-0.03217	0.48803	-0.01832	0.69298	0.042947	0.35442
1.40E-06	0.110887	0.01652	-0.01062	0.81898	0.02659	0.56652	0.015731	0.73456
5.20E-10	0.141342	0.0022	-0.01727	0.70972	0.002214	0.96194	0.015855	0.73255
0.00302	0.126547	0.00617	0.065991	0.1545	0.012782	0.78294	0.038607	0.40519
4.03E-10	0.130983	0.00458	0.097125	0.03589	0.042123	0.36374	0.073139	0.11447
7.81E-05	0.096424	0.03725	0.07863	0.08964	0.018927	0.6833	0.035872	0.4393
4.02E-25	0.222726	1.17E-06	0.044342	0.339	0.025888	0.57682	0.089048	0.05448
3.19E-07	0.121639	0.0085	0.04387	0.34418	0.023557	0.61161	0.021198	0.64773
3.78E-17	0.166867	0.00029	0.011659	0.80159	-0.01227	0.79142	0.054306	0.24148
0.0003	0.078006	0.09222	-0.03389	0.46504	-0.01477	0.75025	-0.01949	0.67437
6.04E-18	0.113199	0.01438	0.055456	0.23165	0.076107	0.10045	0.114155	0.01357
2.42E-21	0.15108	0.00106	-0.00543	0.90679	0.009129	0.84402	0.031689	0.49452
6.29E-07	0.099084	0.03229	0.016001	0.73019	0.005451	0.90649	0.022369	0.62969
1.20E-20	0.157139	0.00065	0.04585	0.32282	0.00656	0.88757	0.041521	0.37065
2.97E-10	0.137786	0.00285	0.011455	0.805	0.025616	0.58082	0.033514	0.46998
7.05E-07	0.140442	0.00235	-0.02171	0.63977	0.006488	0.88879	0.022566	0.62667
2.12E-19	0.159934	0.00052	0.016965	0.71463	0.005352	0.90816	0.032061	0.48946
0.0012	0.107581	0.02005	0.068373	0.14013	0.035872	0.4393	0.056151	0.22584
1.63E-14	0.112111	0.01536	0.056272	0.22484	-0.00403	0.93085	0.041525	0.37061
2.23E-16	0.138418	0.00272	-0.02831	0.54171	-0.00523	0.91033	0.019973	0.66683
4.43E-24	0.148052	0.00133	0.028913	0.53311	0.019648	0.67193	0.052363	0.25877
6.14E-31	0.162744	0.00041	0.01004	0.82868	0.019703	0.67106	0.053236	0.2509

0.00991	0.095572	0.03897	0.010106	0.82758	0.018238	0.69425	0.010181	0.82632
3.36E-09	0.126922	0.00602	0.025722	0.57926	0.029383	0.52647	0.042701	0.3572
3.86E-17	0.160621	0.00049	0.027983	0.54637	0.023203	0.61698	0.04355	0.3477
7.21E-43	0.151412	0.00103	0.057136	0.2178	0.004203	0.92783	0.06121	0.18668
1.51E-15	0.161035	0.00048	0.037879	0.41411	0.034099	0.46226	0.048306	0.29755
2.47E-09	0.145911	0.00157	0.002061	0.96457	0.019982	0.66669	0.03334	0.4723
0.00509	0.071672	0.12194	0.0093	0.84114	-0.03112	0.50225	-0.01537	0.74047
0.05127	0.07442	0.10824	0.009767	0.83327	0.003951	0.93213	0.004611	0.92084
2.72E-08	0.139348	0.00254	-0.01391	0.7644	0.008837	0.84895	0.061087	0.18757
4.67E-09	0.075748	0.10207	0.064237	0.16578	-0.02962	0.52317	0.000833	0.98567
3.15E-08	0.105877	0.02212	-0.00984	0.83208	0.02275	0.62387	0.010516	0.8207
3.72E-08	0.068331	0.14037	-0.18707	4.75E-05	-0.15817	0.0006	-0.13156	0.0044
4.23E-11	0.265837	5.39E-09	0.060035	0.1953	0.22308	1.12E-06	0.385975	4.87E-18
7.29E-11	0.176098	0.00013	0.015857	0.73252	0.022232	0.63178	0.042072	0.36433
3.06E-13	0.085274	0.06559	-0.0479	0.30164	-0.04449	0.33736	0.003661	0.9371
2.53E-11	0.163641	0.00038	0.089101	0.05434	0.166191	0.00031	0.219175	1.74E-06
0.41323	0.161735	0.00045	0.080924	0.08064	0.169246	0.00024	0.212289	3.69E-06
1.36E-12	0.144663	0.00172	-0.00836	0.85704	0.008647	0.85215	0.023035	0.61952
2.72E-11	0.04864	0.29421	0.064485	0.16415	-0.02118	0.64798	-0.02844	0.5399
0.44268	-0.02401	0.60471	0.038663	0.40452	0.026329	0.57034	-0.00396	0.93199
0.00797	0.090061	0.05178	-0.06341	0.1713	-0.05638	0.22392	-0.04442	0.33812
0.16888	0.101075	0.02896	0.016437	0.72314	0.056675	0.22153	0.068549	0.13911
0.00036	0.122786	0.0079	-0.0021	0.96395	-0.01754	0.70533	-0.00015	0.99737
2.51E-06	0.10487	0.02343	0.016548	0.72133	-0.0101	0.82773	0.022985	0.62029
2.49E-19	0.137932	0.00282	0.069326	0.13467	0.044209	0.34045	0.07719	0.09569
7.59E-09	0.095251	0.03963	0.091162	0.04897	0.197606	1.70E-05	0.159259	0.00055
2.93E-05	0.04124	0.3739	0.040844	0.37851	0.010962	0.81323	0.001495	0.97429
1.74E-13	0.1308	0.00464	0.028344	0.5412	0.055522	0.23109	0.083716	0.07069
6.54E-06	0.148833	0.00126	0.016733	0.71836	0.056347	0.22423	0.147636	0.00138
4.64E-21	0.142463	0.00203	0.108046	0.01952	0.069698	0.13258	0.101118	0.02889
1.76E-06	0.535579	5.04E-36	0.022581	0.62645	0.032142	0.48837	0.207428	6.19E-06
1.63E-14	0.188763	4.04E-05	0.01552	0.73799	0.017995	0.69812	0.042064	0.36442
9.77E-11	0.159347	0.00055	-0.06697	0.14847	-0.03401	0.46345	0.014633	0.75246
1.44E-11	0.128337	0.00548	-0.03423	0.46051	-0.05375	0.24635	0.023294	0.61559
0.0001	0.110253	0.01715	-0.02682	0.56314	0.108868	0.0186	0.139163	0.00258
0.13689	0.172248	0.00018	0.05445	0.24023	0.008691	0.85141	0.051496	0.26675
0.22257	0.014776	0.75012	0.000795	0.98633	-0.0223	0.63076	-0.07336	0.11338
3.04E-12	0.144801	0.0017	-0.03399	0.46376	-0.01229	0.79114	0.005863	0.89945
0.00088	0.107192	0.02051	0.041397	0.37208	0.084802	0.0671	0.110617	0.01678
6.65E-15	0.169224	0.00024	0.01429	0.75808	0.00239	0.95891	0.029295	0.52771
1.51E-08	0.164456	0.00036	0.058052	0.21049	0.043089	0.35284	0.12914	0.00519
1.80E-15	0.162477	0.00042	-0.03926	0.39729	-0.02201	0.63524	0.02771	0.55029
4.49E-11	0.161671	0.00045	-0.00772	0.86792	0.017509	0.70589	0.041431	0.37169
4.72E-11	0.200295	1.29E-05	0.017769	0.70172	0.012843	0.78193	0.052347	0.25891
5.28E-05	0.097073	0.03599	-0.10103	0.02903	-0.07594	0.1012	-0.08677	0.06097

8.29E-10	0.179838	9.31E-05	0.017271	0.70969	0.025128	0.58805	0.051166	0.26983
5.15E-16	0.217136	2.18E-06	-0.05441	0.24062	-0.00297	0.94901	0.140784	0.00229
5.01E-09	0.148789	0.00126	0.008131	0.86089	0.047022	0.31059	0.067485	0.14536
0.00411	-0.04705	0.31028	-0.03966	0.39255	-0.12211	0.00825	-0.06576	0.15598
3.26E-17	0.11449	0.0133	0.01922	0.67867	-0.03752	0.41857	0.106646	0.02116
0.00046	-0.05598	0.22728	-0.08605	0.06316	-0.18836	4.20E-05	-0.13428	0.00365
0.15518	-0.10933	0.01811	0.010181	0.82631	0.042336	0.36132	0.005058	0.91319
0.99311	-0.0879	0.05769	-0.21182	3.88E-06	-0.15434	0.00082	-0.16641	0.0003
1.25E-07	-0.13709	0.00299	-0.19138	3.14E-05	-0.32346	7.79E-13	-0.39688	4.55E-19
0.30757	-0.12398	0.00731	-0.17768	0.00011	-0.2879	2.30E-10	-0.34174	3.07E-14
0.04241	-0.0912	0.04888	-0.12746	0.00581	-0.20579	7.35E-06	-0.18281	7.08E-05
0.01931	-0.15888	0.00057	-0.23233	3.84E-07	-0.3049	1.67E-11	-0.34536	1.58E-14
0.0007	-0.10186	0.02774	-0.03382	0.46587	-0.263	7.92E-09	-0.20199	1.09E-05
0.13474	-0.06042	0.19241	-0.23261	3.71E-07	-0.2971	5.69E-11	-0.26846	3.76E-09
2.13E-12	0.063697	0.16938	-0.05696	0.21921	-0.21617	2.42E-06	-0.12321	0.00768
0.03844	-0.09318	0.04415	-0.11223	0.01524	-0.15295	0.00091	-0.09726	0.03563
0.09084	-0.07839	0.09062	-0.32479	6.21E-13	-0.33994	4.27E-14	-0.24507	8.15E-08
0.89208	-0.02741	0.55461	-0.00292	0.94981	-0.10641	0.02145	-0.16421	0.00037
0.00017	-0.03813	0.41105	-0.20218	1.07E-05	-0.18499	5.78E-05	-0.1423	0.00205
2.23E-06	0.028074	0.54507	-0.09157	0.04797	-0.11144	0.01599	-0.0179	0.69968
0.01127	0.101555	0.02821	-0.13604	0.00322	0.009643	0.83536	0.084541	0.06795
0.01313	-0.20819	5.71E-06	-0.26923	3.38E-09	-0.32799	3.57E-13	-0.36606	2.96E-16
0.02412	-0.01738	0.70794	-0.10727	0.02042	-0.05291	0.25385	-0.06708	0.14781
0.78509	0.034926	0.45147	-0.04597	0.32157	-0.09401	0.04229	0.005996	0.89717
0.70968	-0.07702	0.09643	-0.22732	6.89E-07	-0.12641	0.00623	-0.12826	0.00551
0.04782	-0.01699	0.71419	-0.06812	0.14159	-0.20474	8.20E-06	-0.13509	0.00345
1.45E-06	-0.08751	0.05881	-0.15758	0.00063	-0.26541	5.71E-09	-0.23119	4.39E-07
2.34E-06	-0.21733	2.13E-06	-0.27598	1.31E-09	-0.30537	1.55E-11	-0.40542	6.67E-20
1.57E-09	-0.11106	0.01634	-0.19351	2.55E-05	-0.33689	7.40E-14	-0.32585	5.17E-13
0.01872	0.018268	0.69377	0.031318	0.49959	-0.11462	0.01319	-0.10275	0.0264
0.00034	-0.13571	0.0033	0.011106	0.81082	-0.13281	0.00404	-0.22149	1.34E-06
0.00613	-0.03854	0.406	-0.0486	0.29457	-0.03714	0.42323	-0.04076	0.37943
0.01132	-0.0481	0.29957	-0.04177	0.36783	-0.16357	0.00039	-0.15005	0.00114
0.30548	-0.13932	0.00255	-0.17909	9.97E-05	-0.17234	0.00018	-0.25698	1.77E-08
0.21625	-0.07937	0.08667	-0.15999	0.00052	-0.16867	0.00025	-0.1507	0.00109
3.85E-08	-0.01668	0.7192	-0.32014	1.37E-12	-0.16993	0.00022	-0.20287	9.95E-06
0.19976	-0.08594	0.06351	-0.2088	5.36E-06	-0.26144	9.77E-09	-0.3175	2.13E-12
0.25448	-0.01335	0.77355	-0.03591	0.43876	-0.12516	0.00677	-0.06797	0.14246
6.95E-05	-0.16069	0.00049	-0.14504	0.00168	-0.32415	6.93E-13	-0.34296	2.46E-14
0.50159	-0.0626	0.17683	-0.15583	0.00073	-0.34611	1.38E-14	-0.26862	3.68E-09
2.08E-05	-0.18398	6.35E-05	-0.43381	7.50E-23	-0.35072	5.80E-15	-0.46457	2.23E-26
0.09919	-0.05368	0.24697	-0.18185	7.74E-05	-0.23672	2.27E-07	-0.20006	1.33E-05
5.82E-08	0.029783	0.52085	-0.09125	0.04875	-0.24531	7.90E-08	-0.10471	0.02364
0.50691	-0.11185	0.0156	-0.26203	9.03E-09	-0.34832	9.11E-15	-0.36386	4.58E-16
0.00525	-0.08145	0.07869	-0.09871	0.03295	-0.22287	1.15E-06	-0.22877	5.83E-07



0.20425	0.060418	0.19246	-0.15877	0.00057	-0.08307	0.07289	0.010836	0.81533
0.35515	-0.08056	0.08204	-0.23114	4.41E-07	-0.13701	0.00301	-0.2015	1.14E-05
0.00349	-0.06849	0.13942	-0.18887	4.00E-05	-0.25985	1.21E-08	-0.19877	1.51E-05
0.86851	0.006564	0.88749	-0.12109	0.00881	-0.05834	0.20823	0.004428	0.92397
1.55E-13	-0.11018	0.01723	-0.32332	7.98E-13	-0.28188	5.60E-10	-0.35638	1.97E-15
0.0001	0.053139	0.25177	-0.02059	0.65722	-0.04567	0.32469	0.0759	0.10138
0.10879	-0.08115	0.07981	-0.00854	0.85399	-0.08055	0.08207	-0.10893	0.01853
7.87E-05	0.07694	0.09677	-0.0203	0.66178	-0.10084	0.02935	0.040629	0.38102
2.46E-05	-0.02488	0.59174	-0.13148	0.00443	-0.21606	2.45E-06	-0.16125	0.00047
0.98375	-0.14813	0.00133	-0.16562	0.00033	-0.24045	1.44E-07	-0.26756	4.25E-09
0.13659	-0.12313	0.00773	-0.10687	0.02089	-0.30921	8.35E-12	-0.28297	4.77E-10
0.00402	-0.07115	0.12468	-0.13306	0.00397	-0.09479	0.0406	-0.10571	0.02233
0.17633	0.119726	0.00961	-0.08839	0.0563	-0.05666	0.22167	0.095593	0.03892
0.69798	-0.03202	0.49008	-0.07009	0.13044	-0.14844	0.00129	-0.09665	0.03681
0.00175	-0.08831	0.05652	-0.11993	0.00948	-0.24867	5.18E-08	-0.20504	7.95E-06
0.29771	-0.02691	0.56186	-0.17708	0.00012	-0.20758	6.09E-06	-0.12984	0.00495
5.58E-05	-0.11031	0.01709	-0.24951	4.65E-08	-0.31026	7.05E-12	-0.28008	7.27E-10
0.00065	0.032048	0.48964	-0.205	7.98E-06	-0.16101	0.00048	-0.08248	0.07495
2.90E-06	-0.0042	0.92779	-0.21203	3.79E-06	-0.26319	7.72E-09	-0.23463	2.92E-07
0.02331	-0.02853	0.5386	-0.19776	1.67E-05	-0.18261	7.21E-05	-0.14908	0.00123
0.02191	-0.26564	5.53E-09	-0.12916	0.00518	-0.28542	3.33E-10	-0.45024	1.09E-24
1.67E-16	-0.01292	0.78068	-0.13412	0.00369	-0.11263	0.01489	-0.10718	0.02052
9.24E-06	-0.13792	0.00282	-0.15811	0.00061	-0.28065	6.69E-10	-0.23018	4.94E-07
7.32E-07	-0.20745	6.17E-06	-0.27071	2.75E-09	-0.31241	4.96E-12	-0.42502	6.58E-22
6.47E-08	0.068541	0.13915	0.003048	0.94763	-0.08003	0.08405	0.05821	0.20925
7.42E-19	-0.16134	0.00046	-0.2744	1.64E-09	-0.30208	2.61E-11	-0.40944	2.65E-20
0.206	-0.06096	0.18852	-0.12571	0.00653	-0.1139	0.01379	-0.08553	0.06478
0.03826	0.02068	0.65578	-0.14794	0.00135	-0.15113	0.00105	-0.046	0.32123
0.00036	-0.13527	0.0034	-0.06912	0.13584	-0.14508	0.00167	-0.21929	1.71E-06
0.07301	-0.07032	0.12918	-0.07405	0.11002	-0.18866	4.08E-05	-0.20433	8.55E-06
0.42663	-0.14994	0.00115	0.00579	0.90069	-0.2515	3.60E-08	-0.2911	1.42E-10
0.45663	0.189752	3.67E-05	0.032793	0.47959	0.126045	0.00638	0.203337	9.48E-06
0.01191	-0.0351	0.44924	-0.18994	3.61E-05	-0.12468	0.00698	-0.10491	0.02337
0.00087	-0.0709	0.12602	-0.09111	0.0491	-0.21743	2.10E-06	-0.1878	4.43E-05
0.01037	-0.16501	0.00034	-0.07424	0.10908	-0.23726	2.13E-07	-0.31941	1.55E-12
0.08697	-0.13951	0.00251	-0.3614	7.43E-16	-0.40473	7.81E-20	-0.39574	5.85E-19
0.0316	0.00281	0.95171	-0.16622	0.00031	-0.04518	0.3299	-0.0617	0.18315
0.00018	-0.06704	0.14803	-0.10619	0.02173	-0.22103	1.41E-06	-0.1725	0.00018
0.65657	-0.08858	0.05575	-0.211	4.24E-06	-0.26955	3.23E-09	-0.23519	2.73E-07
0.88967	-0.14469	0.00172	-0.24954	4.63E-08	-0.34078	3.66E-14	-0.34376	2.12E-14
0.0062	-0.01451	0.75445	-0.04672	0.31368	-0.02697	0.56103	0.040854	0.37839
0.3357	-0.10452	0.02389	-0.09863	0.0331	-0.23723	2.14E-07	-0.19672	1.85E-05
0.02549	0.066541	0.15109	-0.13458	0.00357	-0.12171	0.00847	0.019935	0.66742
1.93E-05	-0.19415	2.39E-05	-0.22631	7.74E-07	-0.22227	1.23E-06	-0.3667	2.61E-16
0.70488	-0.26459	6.38E-09	-0.16339	0.00039	-0.33751	6.62E-14	-0.40945	2.64E-20

0.00838	-0.10443	0.02401	-0.10634	0.02154	-0.18376	6.48E-05	-0.13933	0.00255
4.68E-07	0.063209	0.17267	-0.07539	0.10372	-0.03172	0.49412	0.074868	0.10613
2.90E-08	-0.12176	0.00844	-0.12856	0.0054	-0.22273	1.16E-06	-0.20981	4.81E-06
0.03703	-0.0782	0.09142	-0.12511	0.00679	-0.1533	0.00089	-0.15401	0.00084
0.46435	-0.03097	0.50436	-0.02234	0.63013	-0.19735	1.74E-05	-0.08468	0.06749
6.03E-08	-0.03296	0.47739	-0.06838	0.14009	-0.19862	1.53E-05	-0.13016	0.00484
0.03092	0.050346	0.27758	-0.12185	0.00839	-0.13727	0.00295	-0.02913	0.52997
0.00053	-0.07542	0.10357	-0.16517	0.00034	-0.15391	0.00085	-0.14435	0.00176
7.21E-08	-0.13565	0.00331	-0.2001	1.32E-05	-0.29414	8.98E-11	-0.26253	8.44E-09

MMlightcyp	MMligh	MMgrey6(p	MMgrey	MMlightcyp	MMligh	MMmidni	p	MMmid	MMlightst
0.183626	6.56E-05	-0.00618	0.8941	0.12465	0.007	-0.07457	0.10751	0.136989	
0.036812	0.4274	-0.04602	0.32102	0.020305	0.66162	-0.07087	0.12621	-0.07186	
0.127753	0.0057	-0.04547	0.32689	-0.03841	0.40757	-0.04553	0.32618	-0.04361	
0.060819	0.18952	-0.04645	0.31648	0.023773	0.60835	-0.07928	0.087	-0.06129	
0.071946	0.12052	0.058562	0.20651	0.067598	0.14469	0.000124	0.99787	-0.01732	
0.106855	0.02091	-0.09088	0.04967	0.012096	0.79432	-0.08314	0.07267	0.006053	
0.078813	0.0889	-0.04962	0.28463	0.03964	0.39274	-0.05734	0.21619	0.025679	
0.05499	0.2356	-0.06607	0.15399	0.015265	0.74214	-0.09476	0.04066	-0.04656	
0.03238	0.48515	-0.06339	0.17143	-0.0324	0.48494	-0.08863	0.05563	-0.03005	
0.056577	0.22234	-0.08667	0.06127	-0.0598	0.19702	-0.09528	0.03957	0.10261	
0.129697	0.005	-0.04233	0.36138	0.031983	0.49052	-0.05148	0.26687	0.006523	
0.059307	0.20078	-0.01571	0.73486	0.004883	0.91618	-0.04854	0.29523	0.057538	
0.055969	0.22735	0.000302	0.9948	-0.02687	0.56238	-0.05632	0.22441	-0.01768	
0.059485	0.19944	-0.06757	0.14484	0.052306	0.25928	-0.12249	0.00805	-0.03424	
0.204388	8.50E-06	0.039543	0.39389	0.127246	0.00589	0.051652	0.2653	0.043814	
0.031087	0.50275	0.006574	0.88733	0.042708	0.35711	0.007389	0.87347	0.064217	
0.107939	0.01964	-0.00303	0.94786	0.025667	0.58007	-0.03471	0.4543	-0.05524	
0.155606	0.00074	-0.00417	0.92836	0.082798	0.07385	-0.04442	0.33815	-0.00726	
0.18865	4.08E-05	-0.05317	0.25153	-0.00978	0.83305	-0.00173	0.97021	-0.00901	
0.056415	0.22366	0.006878	0.88215	0.054898	0.23638	-0.02499	0.59016	-0.00394	
0.079781	0.08503	-0.08655	0.06165	-0.04223	0.36248	-0.07739	0.09481	0.060642	
0.09123	0.0488	-0.09422	0.04184	-0.13271	0.00407	-0.08345	0.07161	-0.06218	
0.070153	0.13007	-0.07594	0.10118	0.054998	0.23553	-0.08596	0.06345	-0.04607	
0.061067	0.18772	-0.08129	0.07927	-0.01851	0.68993	-0.08488	0.06685	-0.05318	
0.125247	0.00673	-0.01056	0.81997	-0.01431	0.75781	0.012333	0.79039	-0.04705	
0.067835	0.14328	-0.08612	0.06295	0.036122	0.43611	-0.14774	0.00137	-0.09009	
0.121652	0.0085	-0.02389	0.60661	0.067485	0.14536	-0.03018	0.51537	-0.00511	
0.034765	0.45356	-0.11712	0.01131	-0.06497	0.16098	-0.13493	0.00349	-0.02641	
0.070939	0.12581	-0.0764	0.09915	-0.02752	0.55296	-0.03497	0.45084	-0.03986	
0.127137	0.00594	0.115473	0.01252	0.065188	0.15959	0.12224	0.00818	-0.01628	
0.066941	0.14864	-0.03865	0.40469	0.025597	0.58111	-0.04262	0.35809	-0.09357	
0.025185	0.58721	-0.11671	0.0116	-0.01987	0.66847	-0.15096	0.00107	-0.02452	
0.087223	0.05964	-0.02196	0.63594	0.059054	0.20271	-0.08083	0.081	-0.05447	
0.00336	0.94226	0.053641	0.24731	0.031508	0.49698	0.010623	0.8189	0.030431	
0.046423	0.3168	-0.1108	0.0166	-0.03024	0.51454	-0.13682	0.00305	-0.03633	
0.022757	0.62377	-0.02977	0.52108	-0.07288	0.11578	-0.12641	0.00623	-0.14775	
0.105142	0.02307	-0.03092	0.50504	0.036238	0.43465	-0.09301	0.04454	-0.0478	
0.076336	0.09943	0.131472	0.00443	0.141349	0.0022	0.195784	2.04E-05	0.044965	
0.033724	0.4672	-0.04336	0.34982	-0.03419	0.46106	-0.07154	0.12263	-0.08117	
0.118331	0.01049	-0.09401	0.04229	0.074002	0.11024	-0.16392	0.00038	-0.02675	
0.057481	0.21502	-0.05978	0.19717	-0.00568	0.90255	-0.08362	0.071	-0.06519	
0.02988	0.51949	-0.11018	0.01722	-0.07611	0.10046	-0.13992	0.00244	0.019332	
0.010885	0.81451	-0.06584	0.15544	0.165021	0.00034	-0.04539	0.32773	0.2457	
-0.01658	0.72078	-0.0473	0.30771	0.104492	0.02393	-0.07727	0.09536	0.342521	

0.049744	0.28338	-0.00716	0.87733	0.175334	0.00014	-0.06342	0.17121	-0.08914
-0.07408	0.10987	-0.04205	0.36458	-0.02045	0.65944	-0.19798	1.64E-05	-0.13269
-0.02613	0.57329	-0.12494	0.00686	-0.01707	0.71297	-0.14206	0.00209	0.043592
0.010604	0.81922	-0.02871	0.53602	0.089855	0.05232	-0.12974	0.00498	0.040638
0.106474	0.02137	-0.07854	0.09001	0.083456	0.07157	-0.16023	0.00051	-0.00711
-0.07813	0.09173	-0.1012	0.02877	-0.02163	0.64099	-0.12868	0.00535	-0.04128
-0.09431	0.04163	-0.14382	0.00183	0.024512	0.59725	-0.08464	0.06762	0.272193
-0.03441	0.45819	-0.11711	0.01132	0.112698	0.01482	-0.12609	0.00636	0.053597
0.167266	0.00028	0.027183	0.5579	0.198672	1.53E-05	-0.02632	0.57051	-0.02871
0.048831	0.29232	-0.08335	0.07193	0.053014	0.25288	-0.13618	0.00319	-0.01497
-0.01196	0.79652	-0.08769	0.05827	0.047921	0.30141	-0.111	0.01641	0.082825
-0.04421	0.34043	-0.13567	0.00331	0.096909	0.0363	-0.19963	1.38E-05	-0.02856
-0.01202	0.79563	-0.1748	0.00015	0.147461	0.0014	-0.13702	0.00301	0.316996
0.020097	0.66488	-0.05951	0.19921	0.218484	1.87E-06	-0.08047	0.08238	0.076814
0.016388	0.72391	-0.0474	0.30675	0.159415	0.00054	0.017083	0.71272	0.581292
0.005628	0.90345	0.005532	0.9051	0.132882	0.00402	-0.06871	0.13815	-0.01014
-0.05451	0.23974	-0.13121	0.00451	-0.05247	0.25778	-0.16798	0.00027	-0.08924
-0.03616	0.43561	-0.25929	1.30E-08	0.018167	0.69537	-0.28014	7.21E-10	0.252227
-0.09667	0.03678	-0.14528	0.00165	0.010137	0.82705	-0.23199	3.99E-07	-0.02451
0.012229	0.79212	0.091466	0.04822	-0.0955	0.03912	0.057767	0.21275	0.025465
0.113088	0.01448	-0.04155	0.37026	0.299821	3.73E-11	-0.04606	0.32057	0.252959
-0.02339	0.61415	-0.06988	0.13157	0.085766	0.06405	-0.09203	0.04684	0.041998
0.068566	0.13901	-0.10782	0.01977	0.111732	0.01571	-0.22266	1.17E-06	0.034341
0.102121	0.02733	0.041692	0.36868	-0.07682	0.09729	0.076274	0.09971	-0.00311
-0.01152	0.80389	-0.13865	0.00268	0.035116	0.44901	-0.09606	0.03798	0.207139
-0.05653	0.22276	-0.12586	0.00646	0.052582	0.25678	-0.1869	4.82E-05	0.017413
-0.0809	0.08073	-0.04021	0.38596	-0.0113	0.80752	-0.09522	0.0397	-0.04752
-0.07499	0.10557	-0.13275	0.00406	0.039597	0.39325	-0.14873	0.00127	0.098093
-0.07635	0.09938	-0.20831	5.64E-06	-0.01089	0.81443	-0.29659	6.16E-11	0.061187
-0.09037	0.05097	-0.15777	0.00062	0.000376	0.99354	-0.23618	2.42E-07	-0.05559
0.05933	0.2006	-0.11975	0.00959	-0.01847	0.6905	-0.15094	0.00107	0.07767
-0.02452	0.59714	-0.167	0.00029	0.098712	0.03295	-0.24233	1.15E-07	0.076968
-0.05004	0.28048	-0.25439	2.48E-08	-0.01901	0.682	-0.23064	4.68E-07	0.162847
-0.03073	0.50768	0.117555	0.01101	-0.14833	0.00131	0.072492	0.11772	-0.18844
0.074387	0.1084	-0.04958	0.28495	0.234187	3.08E-07	-0.15418	0.00083	0.048428
0.065591	0.15702	-0.1033	0.0256	0.167384	0.00028	-0.2136	3.20E-06	0.128596
-0.00479	0.9178	-0.10699	0.02075	0.047646	0.3042	-0.10013	0.03051	0.083816
-0.08509	0.06618	-0.02875	0.53545	-0.21765	2.06E-06	-0.03693	0.42593	-0.16067
-0.01286	0.78171	-0.15676	0.00067	0.010006	0.82925	-0.14318	0.00192	0.230158
0.036314	0.43369	0.079035	0.088	0.147053	0.00144	-0.00499	0.91437	-0.00489
-0.04138	0.37226	-0.17648	0.00013	0.083012	0.0731	-0.22065	1.47E-06	0.120624
0.084603	0.06775	-0.02878	0.53498	0.048629	0.29432	-0.06395	0.16769	0.041055
0.009349	0.84032	-0.07712	0.09599	0.159677	0.00053	-0.1793	9.78E-05	0.069957
0.065189	0.15959	-0.12419	0.00721	0.117301	0.01118	-0.2094	5.02E-06	0.075342
-0.11811	0.01063	-0.2769	1.15E-09	-0.1821	7.57E-05	-0.27224	2.22E-09	-0.07289

0.032936	0.47767	-0.02557	0.58157	0.107465	0.02019	-0.06363	0.16985	0.078598
0.166143	0.00031	0.043897	0.34387	0.209651	4.89E-06	-0.00061	0.98947	0.021342
0.093583	0.04324	-0.09846	0.0334	0.229835	5.14E-07	-0.11845	0.01041	0.259492
-0.01468	0.7517	-0.14895	0.00125	0.087995	0.05741	-0.17187	0.00019	0.169021
0.06098	0.18835	0.008801	0.84955	0.308884	8.81E-12	-0.03609	0.43655	0.186396
0.034966	0.45095	-0.19707	1.79E-05	0.133854	0.00376	-0.28062	6.72E-10	0.121735
-0.00803	0.86268	-0.00183	0.96846	0.090842	0.04977	-0.0974	0.03536	0.138295
0.124627	0.00701	0.06072	0.19024	0.38419	7.12E-18	0.035775	0.44054	0.271072
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-0.05651	0.2229	-0.26737	4.37E-09	-0.08658	0.06156	-0.32967	2.66E-13	0.104332
-0.09343	0.0436	-0.04919	0.28876	-0.02274	0.62399	-0.115	0.01289	0.010656
-0.05119	0.26962	-0.16251	0.00042	0.076486	0.09876	-0.07203	0.12007	0.294118
-0.04089	0.37794	-0.18964	3.71E-05	0.025779	0.57843	-0.20093	1.21E-05	0.086891
-0.05813	0.2099	-0.19602	1.99E-05	-0.00182	0.96874	-0.24082	1.38E-07	0.066774
-0.03704	0.42452	-0.08812	0.05704	-0.15599	0.00072	-0.00032	0.99456	0.152886
-0.06408	0.16681	-0.11442	0.01336	-0.0553	0.233	-0.13481	0.00351	-0.02946
0.05994	0.19601	-0.10585	0.02216	0.081106	0.07996	-0.11872	0.01024	0.188511
-0.01137	0.80643	-0.10301	0.02601	0.136554	0.00311	-0.15745	0.00064	0.041265
-0.16889	0.00025	-0.2992	4.10E-11	-0.14005	0.00242	-0.31102	6.23E-12	0.09663
-0.01876	0.68601	-0.23194	4.02E-07	-0.08116	0.07978	-0.14251	0.00202	0.211871
0.002496	0.9571	-0.01009	0.82777	-0.19538	2.12E-05	-0.0219	0.63683	-0.11385
0.021534	0.64253	-0.0578	0.2125	0.080362	0.08278	-0.17279	0.00018	-0.15245
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0.015881	0.73213	-0.14476	0.00171	0.158425	0.00059	-0.20612	7.10E-06	0.208062
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0.047502	0.30567	-0.02445	0.5981	0.125234	0.00673	-0.0239	0.60637	-0.01082
-0.04012	0.38707	-0.1376	0.00288	0.02027	0.66218	-0.2366	2.30E-07	-0.08099
0.034085	0.46245	-0.10868	0.01881	0.099596	0.03141	-0.06885	0.13737	0.088738
-0.10047	0.02994	0.104893	0.02339	-0.21301	3.41E-06	0.126426	0.00622	-0.12618
0.006855	0.88254	0.003379	0.94195	0.032635	0.48171	-0.07078	0.12667	-0.0678
-0.01515	0.74394	0.064825	0.16193	-0.04875	0.29309	0.008709	0.85111	-0.06177
0.020834	0.65338	0.018054	0.69718	-0.12747	0.00581	0.065781	0.15582	-0.03773
-0.09155	0.048	-0.00049	0.9916	-0.24379	9.56E-08	0.063203	0.17272	-0.07472
-0.01337	0.77324	-0.0913	0.04862	0.08669	0.06122	-0.1329	0.00402	0.186998
0.050514	0.27599	0.106944	0.0208	-0.04369	0.3462	0.05028	0.27822	-0.02529
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0.258356	1.47E-08	0.229704	5.22E-07	0.121486	0.00859	0.311502	5.75E-12	0.054543
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-0.08015	0.08361	-0.20252	1.03E-05	0.023918	0.60616	-0.17313	0.00017	0.117398
-0.06425	0.1657	-0.02478	0.59328	0.024785	0.59317	-0.10848	0.01903	0.009887
-0.08164	0.078	-0.23862	1.81E-07	-0.01356	0.77016	-0.28002	7.34E-10	0.114977
-0.08702	0.06024	-0.08636	0.0622	-0.02982	0.52034	-0.19991	1.35E-05	0.037167
-0.00022	0.99628	-0.10869	0.01879	0.14965	0.00118	-0.18331	6.76E-05	0.136486

-0.08996	0.05205	0.044766	0.33439	-0.24487	8.36E-08	0.024123	0.60308	-0.09212
0.069922	0.13134	-0.0944	0.04143	0.183347	6.74E-05	-0.15254	0.00094	0.127466
-0.07303	0.11499	0.116192	0.01198	-0.2092	5.13E-06	0.176066	0.00013	-0.13912
-0.05947	0.19954	0.037351	0.42065	-0.19747	1.72E-05	0.012923	0.78061	-0.1027
-0.02304	0.6195	0.092867	0.04487	-0.12409	0.00726	0.027281	0.55648	-0.25569
-0.05567	0.22985	0.031142	0.502	-0.0839	0.07006	0.110151	0.01725	0.102826
-0.07488	0.10607	0.127719	0.00571	-0.10198	0.02756	0.1588	0.00057	-0.15644
0.109441	0.01799	-0.04557	0.3258	0.219559	1.66E-06	-0.09409	0.04211	0.121899
0.056728	0.2211	-0.06502	0.16069	-0.24783	5.76E-08	-0.05139	0.26769	-0.10522
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0.010695	0.8177	-0.12887	0.00529	0.14845	0.00129	-0.21756	2.08E-06	0.233495
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0.046004	0.32119	-0.1172	0.01126	0.154565	0.0008	-0.15819	0.0006	0.201516
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0.045777	0.32359	-0.11519	0.01274	0.072578	0.11728	-0.12944	0.00508	0.145408
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0.077299	0.09522	-0.02948	0.52508	0.173186	0.00017	-0.02333	0.61498	0.102674
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0.012433	0.78872	-0.04646	0.3164	0.108795	0.01868	0.001087	0.98131	0.315993
0.013251	0.77519	-0.07409	0.1098	0.196392	1.92E-05	-0.08596	0.06344	0.101546
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0.066544	0.15107	0.151865	0.00099	0.325588	5.41E-13	0.051137	0.27009	0.050225
0.093135	0.04426	0.467884	8.85E-27	0.194278	2.36E-05	0.499406	7.91E-31	-0.08884
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0.03951	0.39429	0.053333	0.25003	0.172116	0.00019	-0.02716	0.55817	-0.0012
0.051748	0.26441	0.067131	0.14749	0.249653	4.57E-08	-0.08874	0.05533	-0.07319
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0.016194	0.72705	-0.05527	0.23321	0.091808	0.04738	-0.16581	0.00032	-0.04881
0.006688	0.88538	0.076981	0.0966	-0.0454	0.32754	0.118317	0.0105	-0.02444
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0.011245	0.80849	-0.13399	0.00372	0.064954	0.1611	-0.11531	0.01265	0.152488
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0.096799	0.03651	-0.02587	0.57702	0.052894	0.25396	-0.02428	0.60079	0.211642
0.021195	0.64778	0.059936	0.19604	0.21033	4.55E-06	0.047721	0.30344	0.160391
0.046828	0.31259	-0.13973	0.00247	0.125614	0.00657	-0.17356	0.00016	0.065922
-0.08849	0.056	-0.18677	4.88E-05	-0.11463	0.01319	-0.06344	0.17113	0.003433
-0.03028	0.51391	-0.1348	0.00352	0.026341	0.57016	-0.18858	4.11E-05	0.112245
0.029962	0.51835	-0.0326	0.48219	0.179918	9.25E-05	-0.10572	0.02232	0.019983
0.01916	0.67962	-0.04422	0.34033	0.046194	0.31919	-0.08308	0.07288	0.075574
0.016171	0.72743	-0.09439	0.04146	-0.07432	0.10873	-0.19828	1.59E-05	-0.11565
0.03136	0.49901	-0.12255	0.00802	0.023348	0.61477	-0.16318	0.0004	0.239982
0.030691	0.50821	0.060312	0.19325	0.177739	0.00011	0.066452	0.15163	0.29071
-0.01275	0.78339	-0.12582	0.00648	0.094009	0.04229	-0.16879	0.00025	0.19376
0.039977	0.38872	-0.12723	0.0059	0.117691	0.01092	-0.2223	1.22E-06	0.063287
-0.04729	0.30784	0.00541	0.90718	-0.17243	0.00018	0.114744	0.01309	0.033527
-0.01166	0.80156	-0.1132	0.01439	0.083579	0.07116	-0.20646	6.85E-06	-0.07291
-0.01948	0.67461	-0.22482	9.19E-07	0.139421	0.00253	-0.23465	2.91E-07	0.117715
-0.02542	0.58366	-0.08074	0.08134	0.169145	0.00024	-0.15583	0.00073	0.077244
0.079757	0.08513	0.046818	0.3127	0.146343	0.00152	-0.0423	0.36175	0.081385
-0.08774	0.05814	-0.04251	0.35938	-0.04433	0.33908	-0.00369	0.93666	0.036376
-0.03942	0.39538	-0.1094	0.01803	0.077272	0.09534	-0.16561	0.00033	0.142512
-0.01709	0.71263	0.0693	0.13482	0.103627	0.02513	-0.03467	0.45479	0.067542
-0.10101	0.02907	-0.16498	0.00034	-0.17256	0.00018	-0.21261	3.56E-06	-0.03564
-0.0405	0.3825	-0.17935	9.74E-05	0.026965	0.56107	-0.22996	5.07E-07	-0.08382
-0.06395	0.16767	-0.18941	3.80E-05	0.090795	0.04989	-0.19945	1.41E-05	0.091841
-0.01586	0.7325	-0.12341	0.00759	0.17586	0.00013	-0.25087	3.91E-08	0.032183
0.161987	0.00044	0.210588	4.43E-06	0.456305	2.15E-25	0.105528	0.02256	0.14773
0.00853	0.85413	-0.02858	0.53779	0.126847	0.00605	-0.05722	0.21709	0.160802
-0.06673	0.14991	-0.11521	0.01273	0.103825	0.02485	-0.12521	0.00674	0.02225
-0.13427	0.00365	-0.08363	0.07097	0.085122	0.06607	-0.07326	0.11389	0.110247
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0.070567	0.12781	-0.0808	0.0811	0.02671	0.56478	-0.09451	0.0412	-0.00358
0.045581	0.32567	0.033391	0.47161	0.302395	2.49E-11	-0.07242	0.11806	0.157122
-0.03904	0.39992	-0.07841	0.09053	0.022051	0.63457	-0.14781	0.00136	0.193846
0.053129	0.25185	-0.02846	0.53957	0.105404	0.02272	-0.11191	0.01554	0.210108
-0.02903	0.53139	0.049223	0.28846	-0.09142	0.04833	0.125924	0.00643	0.014598
-0.07641	0.09909	-0.06207	0.18059	0.104836	0.02347	-0.12164	0.0085	0.136446
-0.06111	0.18739	-0.10904	0.01842	0.063654	0.16967	-0.13168	0.00437	0.073193
0.038126	0.41107	-0.03843	0.4074	0.223381	1.08E-06	-0.11701	0.01139	0.231838
-0.01205	0.79507	-0.11787	0.0108	0.072534	0.11751	-0.1529	0.00092	0.016073
-0.05221	0.26013	-0.23221	3.89E-07	-0.04794	0.30118	-0.19154	3.09E-05	0.138623
-0.13572	0.0033	-0.16477	0.00035	-0.09887	0.03267	-0.19153	3.09E-05	-0.06784
0.034409	0.4582	0.095237	0.03966	0.346894	1.19E-14	0.120222	0.00931	0.401017
-0.02405	0.60424	-0.18513	5.70E-05	0.028835	0.53421	-0.20667	6.70E-06	0.073541
-0.04423	0.34026	-0.13723	0.00296	0.02063	0.65656	-0.12334	0.00762	0.222481
0.014193	0.75967	0.174593	0.00015	0.076943	0.09676	0.11334	0.01426	-0.01084

0.021058	0.6499	-0.12485	0.00691	0.051067	0.27076	-0.09821	0.03386	0.138279
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-0.01091	0.81417	-0.0372	0.4225	0.26865	3.66E-09	-0.07438	0.10842	0.204334
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0.012295	0.79102	-0.19913	1.46E-05	0.094683	0.04083	-0.26267	8.29E-09	0.165818
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0.041837	0.36702	0.02371	0.60929	0.163504	0.00039	-0.10555	0.02253	0.145047
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-0.01184	0.7986	-0.21978	1.62E-06	0.081919	0.07698	-0.30369	2.02E-11	0.076821
-0.024	0.60487	0.044613	0.33605	-0.13031	0.00479	0.010637	0.81866	-0.16325
0.053958	0.24452	-0.10287	0.02622	0.119996	0.00944	-0.12197	0.00832	0.099883
-0.07893	0.08843	-0.23872	1.78E-07	-0.06834	0.14033	-0.28789	2.31E-10	0.065897
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-0.01097	0.81307	0.093467	0.0435	-0.15034	0.00112	0.024554	0.59662	-0.06109
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-0.01847	0.69052	-0.20991	4.76E-06	0.035865	0.4394	-0.30816	9.91E-12	0.050198
-0.00069	0.98812	-0.21612	2.43E-06	-0.0243	0.60038	-0.21958	1.66E-06	-0.06191
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-0.0211	0.64923	0.022843	0.62245	0.141902	0.00211	-0.04038	0.38398	-0.09386
-0.01008	0.82803	0.124726	0.00696	-0.11158	0.01585	0.102077	0.0274	-0.08753
0.019218	0.67871	-0.08482	0.06706	0.038672	0.4044	-0.16976	0.00023	-0.03837
0.009169	0.84335	-0.17833	0.00011	0.165934	0.00032	-0.26904	3.47E-09	0.191584
-0.08137	0.07899	-0.21098	4.25E-06	-0.05427	0.24183	-0.23459	2.93E-07	0.063562
0.030956	0.50455	0.133369	0.00389	0.252278	3.26E-08	0.127146	0.00593	0.159998
0.063204	0.17271	-0.12015	0.00935	0.198345	1.58E-05	-0.17139	0.0002	0.093356
0.164773	0.00035	0.281239	6.15E-10	0.428093	3.10E-22	0.23916	1.69E-07	0.116533
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0.012334	0.79036	0.02391	0.60628	0.140129	0.0024	-0.05117	0.26981	0.015137
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0.053335	0.25001	-0.01811	0.69636	0.144498	0.00174	-0.054	0.24413	0.181274
0.032447	0.48424	-0.15202	0.00098	0.073464	0.11286	-0.16478	0.00035	0.039539
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0.049108	0.28959	-0.02629	0.57085	0.087488	0.05887	-0.02255	0.62697	0.199873
0.082379	0.07533	-0.00222	0.9618	0.215691	2.55E-06	-0.07747	0.09449	-0.04462
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0.002278	0.96085	-0.23607	2.46E-07	-0.05339	0.24949	-0.322	9.99E-13	0.058711
0.121176	0.00876	-0.12251	0.00804	0.108751	0.01873	-0.05251	0.25743	0.239241
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0.04724	0.30835	-0.04507	0.33114	0.192758	2.74E-05	-0.19994	1.34E-05	0.04726



0.125934	0.00643	-0.12072	0.00902	0.028309	0.5417	-0.17362	0.00016	0.098871
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0.082603	0.07453	0.157567	0.00063	0.292165	1.21E-10	0.075371	0.10379	0.072533
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0.040663	0.38062	0.190309	3.48E-05	0.06434	0.16511	0.228307	6.15E-07	-0.03055
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0.03351	0.47003	0.108008	0.01956	-0.07329	0.11371	0.172261	0.00018	-0.00338
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0.05763	0.21384	0.281658	5.78E-10	-0.01093	0.81379	0.24992	4.41E-08	-0.16554
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0.007443	0.87255	-0.17895	0.0001	0.08542	0.06513	-0.23403	3.14E-07	0.080741
0.057375	0.21587	-0.13694	0.00302	0.177154	0.00012	-0.16889	0.00025	0.27725
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0.044999	0.33188	0.066317	0.15247	-0.00875	0.85043	0.086954	0.06043	-0.10269
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0.08123	0.0795	0.26843	3.77E-09	0.132408	0.00415	0.326368	4.73E-13	0.224908
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0.042526	0.35917	0.008713	0.85104	0.296143	6.60E-11	-0.09527	0.03959	0.093385
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0.060757	0.18997	0.06224	0.17936	0.338944	5.11E-14	0.063129	0.17322	0.358807

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0.045262	0.32907	-0.11533	0.01263	0.120265	0.00928	-0.2094	5.02E-06	0.091224
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0.049967	0.28122	0.140064	0.00242	0.308667	9.12E-12	0.097706	0.03479	0.139475
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-0.06954	0.13349	-0.28086	6.50E-10	-0.09897	0.0325	-0.27632	1.25E-09	-0.07645
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0.035797	0.44026	-0.18751	4.55E-05	0.122621	0.00798	-0.2146	2.87E-06	0.181273
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0.042933	0.35458	-0.16818	0.00026	0.103447	0.02538	-0.20713	6.39E-06	0.189471
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0.018083	0.69672	-0.14305	0.00194	0.125003	0.00684	-0.25401	2.61E-08	0.077438
0.02171	0.63982	-0.06937	0.13442	0.11842	0.01043	-0.24739	6.09E-08	0.045006
-0.03211	0.48875	0.034689	0.45455	-0.18401	6.33E-05	0.055868	0.2282	-0.02951
-0.06479	0.16219	-0.18618	5.17E-05	-0.01001	0.82915	-0.17172	0.00019	0.17945
0.023467	0.61297	-0.18336	6.73E-05	0.117723	0.01089	-0.27237	2.18E-09	0.105104
-0.06652	0.15122	-0.09421	0.04185	0.03104	0.50341	-0.16177	0.00045	-0.05649
0.026476	0.56818	0.01556	0.73734	0.083843	0.07027	0.005874	0.89927	0.184845
-0.05598	0.22729	0.007752	0.8673	0.063235	0.17249	-0.07679	0.09743	-0.02872
0.041595	0.36979	0.014459	0.75531	0.011397	0.80597	-0.08897	0.05468	-0.00316
0.079219	0.08726	0.008395	0.85642	0.120402	0.0092	-0.08819	0.05686	0.011201
-0.05149	0.26683	0.169013	0.00024	-0.11584	0.01224	0.077946	0.09248	-0.23185
-0.01974	0.67053	-0.00848	0.85498	0.073966	0.11042	-0.08778	0.05802	0.146524
0.103009	0.02601	-0.10419	0.02434	0.132798	0.00404	-0.12898	0.00525	0.171071
-0.02476	0.59359	-0.14413	0.00179	0.09376	0.04285	-0.18306	6.92E-05	0.053792

0.058563	0.2065	-0.04066	0.38065	0.185171	5.68E-05	-0.02258	0.62647	0.262712
-0.03243	0.48451	-0.10917	0.01828	0.093161	0.0442	-0.18515	5.69E-05	-0.07535
0.013572	0.7699	-0.17394	0.00016	0.050975	0.27162	-0.18113	8.27E-05	0.061419
-0.05817	0.20957	0.018072	0.69689	0.073831	0.11107	0.108328	0.0192	0.011476
-0.06691	0.14885	-0.04092	0.37757	0.102294	0.02707	-0.06408	0.1668	0.235099
-0.10204	0.02745	-0.00047	0.99185	-0.02723	0.55723	-0.11446	0.01333	-0.15317
-0.07956	0.08588	-0.12621	0.00631	-0.05487	0.23664	-0.10897	0.0185	0.02616
-0.13291	0.00401	-0.17724	0.00012	-0.02979	0.52078	-0.20811	5.76E-06	-0.02019
-0.0732	0.11418	0.036006	0.43759	-0.11335	0.01426	-0.03459	0.45585	-0.11327
0.015078	0.7452	-0.09466	0.04087	0.168453	0.00026	-0.17585	0.00013	0.102476
-0.0351	0.44922	-0.24822	5.48E-08	-0.12323	0.00767	-0.21787	2.01E-06	0.095895
0.006655	0.88594	0.024987	0.59016	0.118651	0.01028	-0.04459	0.33633	0.009138
-0.02585	0.57742	0.073138	0.11447	-0.13031	0.00479	0.081319	0.07917	-0.02179
-0.0286	0.53759	-0.03337	0.47187	0.239889	1.55E-07	-0.05541	0.23203	0.230399
-0.06581	0.15565	-0.1832	6.83E-05	-0.06609	0.1539	-0.28425	3.96E-10	-0.21607
-0.06856	0.13904	0.042288	0.36187	-0.16727	0.00028	0.003494	0.93998	-0.15672
-0.05691	0.21962	-0.2281	6.30E-07	-0.08178	0.07747	-0.24455	8.69E-08	0.034597
-0.00503	0.91376	-0.11868	0.01026	0.039162	0.39847	-0.06513	0.15998	-0.03469
-0.01336	0.77331	-0.05557	0.23068	0.06908	0.13606	-0.07951	0.08609	0.000372
-0.05468	0.23827	-0.10046	0.02996	0.034452	0.45763	-0.15675	0.00068	0.007597
0.047008	0.31073	-0.05533	0.23269	0.200222	1.30E-05	-0.15859	0.00058	0.027863
0.085404	0.06518	0.013593	0.76954	0.192744	2.75E-05	-0.03158	0.49598	0.199281
-0.07386	0.11093	-0.06747	0.14545	-0.05266	0.25609	-0.03548	0.44432	0.187393
-0.02042	0.65991	-0.02987	0.51962	0.010408	0.82251	-0.12572	0.00652	0.055806
0.03868	0.40431	-0.01241	0.78902	-0.22234	1.22E-06	0.027123	0.55877	-0.16663
-0.03403	0.46318	-0.03608	0.43663	0.093918	0.04249	-0.08277	0.07396	0.126698
0.041331	0.37285	0.055207	0.23375	0.19146	3.11E-05	0.0299	0.51921	0.097611
-0.00551	0.90551	-0.14313	0.00193	0.095177	0.03979	-0.19409	2.41E-05	0.122388
0.011259	0.80827	-0.06759	0.14476	0.15145	0.00103	-0.16036	0.0005	0.187939
-0.03025	0.5144	-0.14896	0.00124	0.009956	0.8301	-0.11788	0.01079	0.206546
-0.04784	0.30225	-0.10405	0.02454	-0.02796	0.54665	-0.1616	0.00045	0.080391
0.052545	0.25711	-0.11467	0.01316	0.228061	6.32E-07	-0.16495	0.00034	0.174075
0.009169	0.84334	-0.04146	0.3714	0.078404	0.09057	-0.07402	0.11013	0.162774
0.034896	0.45187	0.036115	0.43621	0.004053	0.9304	0.171402	0.0002	0.135713
-0.04062	0.38117	-0.07867	0.0895	0.082421	0.07518	-0.07038	0.12886	0.147292
-0.0658	0.15569	0.048416	0.29645	-0.14216	0.00207	0.120452	0.00917	-0.1892
-0.04638	0.3172	0.13477	0.00352	-0.17071	0.00021	0.181169	8.24E-05	-0.01295
-0.0661	0.15383	0.001675	0.9712	-0.06863	0.13865	0.018985	0.68238	-0.03937
-0.03543	0.44499	-0.13725	0.00296	-0.09641	0.03728	-0.133	0.00399	-0.11638
-0.06543	0.15804	-0.12492	0.00687	-0.01439	0.75642	-0.11576	0.0123	0.057544
-0.03221	0.4874	-0.06702	0.14815	-0.1931	2.65E-05	-0.04227	0.36204	-0.02446
-0.10245	0.02684	0.00075	0.9871	-0.18764	4.49E-05	0.037224	0.42224	-0.17825
0.005037	0.91356	-0.11298	0.01458	-0.0223	0.63079	-0.15499	0.00078	0.053009
0.095029	0.0401	-0.04697	0.31114	0.253369	2.83E-08	-0.00644	0.88953	0.242964
-0.01823	0.6944	0.007788	0.8667	-0.0611	0.18745	0.031934	0.49118	0.077022

0.026641	0.56578	-0.05659	0.22223	0.122288	0.00816	-0.07561	0.1027	0.231887
0.00341	0.94142	-0.18987	3.63E-05	0.089562	0.05309	-0.19707	1.79E-05	0.155695
-0.0255	0.58253	-0.14758	0.00138	0.004982	0.91449	-0.14355	0.00187	0.031848
-0.03317	0.47459	-0.07522	0.10448	0.078841	0.08878	-0.04422	0.34036	0.156517
-0.11768	0.01093	-0.20873	5.39E-06	-0.02307	0.61894	-0.22942	5.40E-07	-0.00031
-0.03107	0.50304	0.042655	0.35771	0.134541	0.00358	-0.00459	0.92113	0.017193
0.033435	0.47104	0.08554	0.06475	-0.09841	0.03349	0.082079	0.0764	-0.10069
0.000705	0.98788	0.090433	0.05082	0.227699	6.60E-07	-0.03431	0.45955	-0.05423
0.031315	0.49963	0.097451	0.03527	0.293648	9.67E-11	0.039456	0.39494	0.000117
-0.00901	0.84602	-0.02596	0.57573	0.036377	0.43288	-0.043	0.35387	-0.09058
-0.10978	0.01764	-0.21018	4.62E-06	-0.09661	0.03689	-0.19318	2.63E-05	0.058879
-0.03678	0.42782	-0.13994	0.00244	0.069405	0.13423	-0.14444	0.00175	-0.09054
-0.08216	0.07611	-0.1488	0.00126	0.082777	0.07392	-0.14758	0.00138	0.113562
0.054793	0.23728	-0.07033	0.1291	0.178008	0.00011	-0.1422	0.00207	0.15517
0.112359	0.01513	-0.06438	0.16485	0.245119	8.10E-08	-0.08975	0.05261	0.124523
-0.05355	0.24812	-0.13401	0.00372	0.021253	0.64687	-0.19107	3.24E-05	0.212543
0.018091	0.69659	0.030738	0.50757	0.216247	2.40E-06	-0.0901	0.05167	-0.05302
-0.00071	0.98771	0.006653	0.88598	0.146137	0.00154	-0.11214	0.01532	-0.09057
-0.01884	0.68472	0.079993	0.0842	-0.14148	0.00218	0.045913	0.32215	-0.15547
-0.03703	0.42461	0.137205	0.00297	-0.12391	0.00734	0.105209	0.02298	-0.12136
-0.0263	0.57073	0.104505	0.02391	-0.16309	0.0004	0.102367	0.02696	-0.18969
0.017708	0.70269	0.087842	0.05785	0.033166	0.47461	0.094183	0.04191	0.060624
-0.02218	0.63261	-0.14695	0.00145	-0.01721	0.71066	-0.18797	4.36E-05	0.10798
-0.0526	0.25666	0.022724	0.62427	-0.17589	0.00013	0.023543	0.61182	-0.14333
-0.07727	0.09535	-0.20582	7.33E-06	-0.03576	0.4407	-0.13441	0.00361	0.21363
0.040811	0.3789	0.030694	0.50817	0.2025	1.03E-05	-0.04814	0.29926	-0.0007
0.031125	0.50223	0.117756	0.01087	0.38806	3.12E-18	0.152156	0.00097	0.193793
-0.08364	0.07095	-0.14206	0.00209	-0.10333	0.02555	-0.16394	0.00037	-0.02144
0.014603	0.75296	-0.04428	0.3397	0.071554	0.12256	-0.14957	0.00119	0.162234
0.056098	0.22628	-0.09957	0.03146	0.099889	0.03091	-0.15497	0.00078	0.060921
-0.01209	0.79443	-0.04169	0.36871	0.111675	0.01576	-0.04916	0.28909	0.065973
-0.07787	0.09281	0.232925	3.58E-07	-0.08044	0.08247	0.20114	1.19E-05	-0.17582
-0.02839	0.54052	0.015948	0.73104	-0.00133	0.97707	0.00126	0.97834	0.188248
0.008758	0.85029	-0.09778	0.03465	0.059888	0.1964	-0.1131	0.01447	0.089714
0.040506	0.38247	-0.11076	0.01664	0.208883	5.31E-06	-0.08731	0.05938	0.18371
-0.08421	0.06904	-0.14902	0.00124	-0.09658	0.03694	-0.12786	0.00566	0.086735
0.031851	0.49232	0.16053	0.0005	-0.07494	0.10581	0.162334	0.00043	-0.01934
0.004011	0.93112	-0.04145	0.37152	0.181637	7.89E-05	-0.13424	0.00366	0.020641
0.043267	0.35085	-0.15679	0.00067	0.07798	0.09233	-0.20222	1.06E-05	0.18514
0.012395	0.78935	-0.16465	0.00035	0.136397	0.00314	-0.21224	3.71E-06	0.110483
0.064026	0.16718	0.033365	0.47196	0.15604	0.00071	-0.09925	0.03201	-0.03947
0.045841	0.32291	-0.10982	0.01759	0.213805	3.13E-06	-0.13386	0.00376	0.326593
-0.01523	0.74279	-0.12813	0.00556	0.137822	0.00284	-0.20461	8.31E-06	0.181436
-0.02781	0.54882	0.003563	0.9388	-0.09144	0.04827	-0.10033	0.03017	-0.16746
0.026296	0.57082	-0.0146	0.75299	0.012162	0.79323	-0.05348	0.24874	0.108927

0.02505	0.58921	-0.07481	0.10641	0.160392	0.0005	-0.13147	0.00443	0.182232
0.031605	0.49566	0.17081	0.00021	0.029855	0.51984	0.175413	0.00014	-0.01967
-0.04493	0.3326	0.056775	0.22072	-0.14084	0.00228	0.090889	0.04966	0.001076
-0.06593	0.15486	-0.11073	0.01667	0.059824	0.19688	-0.10878	0.0187	0.130702
0.020123	0.66447	0.331635	1.89E-13	0.1025	0.02676	0.402636	1.26E-19	0.41175
0.014931	0.74759	0.043	0.35383	-0.12431	0.00716	0.054216	0.24227	-0.03804
0.001759	0.96975	-0.03777	0.41551	0.147613	0.00138	-0.01773	0.70235	0.163655
-0.01503	0.74597	0.143635	0.00186	-0.13679	0.00306	0.092841	0.04494	-0.163
-0.06421	0.16594	-0.00547	0.90623	-0.14139	0.00219	-0.02886	0.53387	0.046591
-0.02229	0.63083	-0.20444	8.46E-06	0.031856	0.49225	-0.14143	0.00219	0.132468
0.019713	0.67091	-0.00744	0.87253	0.253674	2.72E-08	-0.0074	0.87334	0.250224
0.031944	0.49106	0.018307	0.69315	0.170595	0.00021	-0.04904	0.29025	0.265024
-0.14943	0.0012	-0.14045	0.00235	-0.04242	0.36039	-0.19823	1.60E-05	-0.04947
0.040072	0.38759	-0.02615	0.57296	0.079978	0.08426	-0.04684	0.31247	0.096575
0.002066	0.96448	-0.07969	0.08541	0.079125	0.08764	-0.08643	0.062	0.010893
-0.04313	0.35234	-0.11093	0.01648	0.069243	0.13514	-0.18554	5.49E-05	-0.00061
-0.0894	0.05352	-0.09546	0.0392	-0.1297	0.005	-0.20736	6.23E-06	-0.12296
-0.04794	0.30126	0.028862	0.53383	-0.17198	0.00019	0.009982	0.82966	-0.18607
-0.0433	0.35053	-0.09567	0.03876	-0.05651	0.22287	-0.08858	0.05577	0.056248
0.020675	0.65586	-0.06282	0.17536	0.065954	0.15474	-0.18099	8.38E-05	-0.08934
-0.0349	0.45181	0.122691	0.00795	-0.03318	0.47444	0.110545	0.01686	0.090689
-0.07078	0.12668	0.071875	0.12088	-0.15091	0.00107	0.091075	0.04919	-0.12823
-0.02581	0.578	-0.04068	0.38043	0.05699	0.21898	-0.03108	0.50287	0.056188
-0.13357	0.00383	-0.22145	1.35E-06	-0.10892	0.01855	-0.17291	0.00017	0.013759
-0.04382	0.34478	-0.09139	0.04841	-0.08019	0.08343	-0.13456	0.00358	-0.05557
0.001052	0.98192	-0.19286	2.72E-05	0.001421	0.97556	-0.12883	0.0053	0.150114
0.038076	0.41169	-0.06786	0.14316	0.029272	0.52803	-0.02067	0.65599	0.2498
-0.10324	0.02568	-0.16196	0.00044	-0.01471	0.75128	-0.16786	0.00027	0.160427
-0.07533	0.10398	-0.23516	2.74E-07	-0.11229	0.01519	-0.31014	7.18E-12	-0.01121
-0.0574	0.2157	-0.09237	0.04603	-0.05028	0.27826	-0.19522	2.15E-05	0.14634
-0.07893	0.08842	-0.09928	0.03195	-0.04272	0.35696	-0.28463	3.74E-10	-0.13222
0.002361	0.95941	-0.08881	0.05514	0.014048	0.76206	-0.14083	0.00229	0.088617
-0.03124	0.50065	-0.12807	0.00558	0.026202	0.5722	-0.1413	0.00221	0.063044
-0.03033	0.51326	0.118352	0.01047	-0.13004	0.00488	0.14454	0.00174	0.015319
-0.0752	0.10457	-0.18144	8.04E-05	-0.0075	0.87167	-0.21058	4.43E-06	0.132594
-0.13129	0.00448	-0.0309	0.50535	-0.08516	0.06595	-0.08119	0.07964	0.07619
-0.0435	0.34828	-0.16381	0.00038	-0.0677	0.14409	-0.05882	0.2045	0.170352
-0.11217	0.01531	-0.17187	0.00019	-0.08581	0.06391	-0.23877	1.77E-07	0.022708
-0.00571	0.90211	-0.08439	0.06845	-0.00724	0.87606	-0.10448	0.02395	0.010008
-0.08755	0.0587	-0.14023	0.00239	-0.06081	0.18957	-0.08376	0.07054	0.138203
0.009248	0.84202	0.034995	0.45058	0.168644	0.00025	0.039691	0.39212	0.164137
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0.043807	0.34487	-0.1342	0.00367	0.197044	1.80E-05	-0.14836	0.0013	0.312355
-0.03107	0.50302	-0.06196	0.18136	0.079983	0.08424	-0.08903	0.05453	0.245019
-0.0328	0.47947	-0.07183	0.1211	0.019113	0.68036	-0.16746	0.00028	-0.13614

-0.0706	0.12762	-0.11216	0.01531	-0.0745	0.10786	-0.14093	0.00227	-0.11646
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-0.10973	0.01769	-0.12146	0.0086	-0.00201	0.9655	-0.14364	0.00186	0.1133
-0.05252	0.2573	-0.24523	7.99E-08	-0.08003	0.08407	-0.15638	0.0007	0.292507
-0.0818	0.07742	-0.15385	0.00085	-0.15592	0.00072	-0.25501	2.29E-08	-0.12498
-0.03796	0.41315	-0.04649	0.31606	0.103955	0.02467	-0.04834	0.29722	0.15021
0.102862	0.02623	0.094611	0.04099	0.315215	3.12E-12	0.127277	0.00588	0.185171
-0.08598	0.0634	-0.11016	0.01725	0.012678	0.78465	-0.14866	0.00127	0.043226
-0.03061	0.50935	-0.1361	0.00321	0.022852	0.62231	-0.10303	0.02599	0.113583
-0.06621	0.15316	-0.22304	1.12E-06	-0.06154	0.18432	-0.1416	0.00216	0.257217
0.041436	0.37163	0.339507	4.62E-14	0.194235	2.37E-05	0.364718	3.87E-16	0.045707
-0.01086	0.81487	-0.06749	0.14534	0.109219	0.01823	-0.10887	0.01861	0.223739
-0.02019	0.66341	-0.1576	0.00063	0.068211	0.14107	-0.1521	0.00098	0.198455
0.047783	0.30281	-0.0504	0.27711	0.177483	0.00012	-0.15065	0.00109	0.199822
-0.09633	0.03744	-0.15721	0.00065	-0.12058	0.0091	-0.14101	0.00226	-0.02323
-0.01846	0.69077	-0.14703	0.00144	0.114828	0.01303	-0.2448	8.43E-08	0.064618
-0.06921	0.13533	-0.13152	0.00441	-0.10349	0.02532	-0.21567	2.55E-06	-0.0203
-0.04278	0.35633	-0.09292	0.04476	0.012612	0.78575	-0.13811	0.00278	0.112485
0.012095	0.79433	-0.11803	0.01069	-0.04068	0.3804	-0.14026	0.00238	0.139012
-0.06766	0.14432	-0.21876	1.82E-06	-0.12054	0.00912	-0.24792	5.70E-08	0.121543
0.007489	0.87177	-0.12716	0.00593	0.091062	0.04922	-0.19096	3.27E-05	0.118259
-0.00736	0.87401	0.037445	0.41949	-0.21039	4.52E-06	0.009353	0.84024	-0.20562
-0.01372	0.76751	0.151419	0.00103	-0.12457	0.00703	0.092731	0.04519	-0.1479
-0.0601	0.19481	-0.14972	0.00117	-0.15753	0.00063	-0.1685	0.00025	0.136705
-0.05443	0.24042	-0.24481	8.42E-08	-0.08702	0.06025	-0.23518	2.73E-07	0.196366
-0.02863	0.53712	-0.07502	0.10542	0.112932	0.01462	-0.07762	0.09384	0.076494
0.152032	0.00098	0.197553	1.71E-05	0.351039	5.46E-15	0.116306	0.0119	0.273406
-0.02691	0.56186	-0.12313	0.00773	0.006172	0.89418	-0.14865	0.00127	0.107957
0.127443	0.00582	0.119362	0.00983	0.301175	3.01E-11	0.161873	0.00044	0.10686
-0.03767	0.41674	-0.08403	0.06964	0.164878	0.00035	-0.08837	0.05634	0.234239
-0.02222	0.63204	-0.17787	0.00011	0.009979	0.82971	-0.25208	3.34E-08	0.065436
0.018224	0.69447	-0.03196	0.4908	0.145156	0.00166	-0.06209	0.18045	0.05024
0.032006	0.4902	0.382171	1.09E-17	0.093162	0.0442	0.352119	4.45E-15	0.005939
0.006865	0.88237	-0.09581	0.03849	0.042502	0.35944	-0.16428	0.00036	0.082462
-0.07421	0.10922	0.061763	0.18273	-0.11522	0.01272	0.045837	0.32295	-0.27336
0.105767	0.02226	0.158443	0.00059	0.330222	2.42E-13	0.174288	0.00015	0.23625
-0.00703	0.87952	-0.14319	0.00192	0.18743	4.59E-05	-0.22039	1.52E-06	0.111425
0.054171	0.24266	-0.05691	0.2196	0.223705	1.04E-06	-0.18453	6.03E-05	0.064759
0.025451	0.58327	-0.13488	0.0035	0.059444	0.19974	-0.21179	3.89E-06	0.054412
0.01842	0.69135	-0.07199	0.12031	0.228709	5.87E-07	-0.14437	0.00176	0.113012
-0.03125	0.50045	0.166336	0.00031	-0.00359	0.93833	0.151808	0.001	-0.0635
-0.04162	0.36955	-0.17227	0.00018	0.033047	0.4762	-0.24488	8.34E-08	0.155497
-0.01484	0.74907	-0.20004	1.33E-05	0.057457	0.21522	-0.23723	2.14E-07	0.027638
-0.02816	0.54386	-0.21294	3.44E-06	-0.07713	0.09593	-0.26144	9.77E-09	0.063088
0.05048	0.27631	0.07094	0.12581	0.231249	4.36E-07	-0.02877	0.53519	0.228385

0.134192	0.00367	0.288667	2.05E-10	0.151687	0.00101	0.360112	9.57E-16	0.134213
0.035556	0.44335	-0.08794	0.05757	0.180672	8.63E-05	-0.05672	0.22114	0.259963
0.058168	0.20958	0.136061	0.00322	0.288818	2.01E-10	0.144434	0.00175	0.336896
-0.04227	0.3621	0.073296	0.11369	-0.14411	0.00179	0.157037	0.00066	0.016733
-0.02739	0.55486	0.180843	8.49E-05	0.096022	0.03805	0.269841	3.10E-09	0.189727
0.082513	0.07485	-0.04678	0.3131	0.239462	1.63E-07	-0.12107	0.00882	0.076608
-0.05784	0.2122	-0.12677	0.00608	0.024821	0.59263	-0.18466	5.96E-05	0.122274
0.049725	0.28357	-0.08304	0.07301	0.190322	3.48E-05	-0.21092	4.27E-06	0.17484
-0.0036	0.93821	-0.18104	8.34E-05	0.093648	0.0431	-0.23423	3.06E-07	0.219194
-0.02133	0.64566	-0.07274	0.11646	0.094214	0.04184	-0.10454	0.02387	-0.04218
-0.03939	0.39577	0.233872	3.20E-07	0.081522	0.07842	0.287729	2.36E-10	0.03096
-0.03613	0.43603	-0.15205	0.00098	-0.04016	0.38649	-0.15267	0.00093	0.114399
-0.00337	0.94208	-0.11149	0.01594	0.056126	0.22605	-0.11246	0.01504	0.095241
-0.0134	0.77279	-0.19548	2.10E-05	-0.01662	0.72017	-0.25816	1.51E-08	0.174004
-0.01304	0.77869	-0.08965	0.05287	-0.00215	0.96296	-0.199	1.48E-05	-0.07249
0.003894	0.93311	-0.00538	0.90769	-0.02642	0.56906	0.093816	0.04272	0.190971
-0.08083	0.08101	0.025745	0.57893	-0.10871	0.01878	0.102122	0.02733	0.118943
-0.11909	0.01	-0.14999	0.00115	-0.09675	0.0366	-0.27837	9.31E-10	-0.17077
-0.09767	0.03486	-0.2819	5.59E-10	-0.12747	0.00581	-0.21758	2.07E-06	0.136667
0.080372	0.08274	0.161483	0.00046	0.016268	0.72587	0.16678	0.00029	0.06722
0.04251	0.35935	-0.10716	0.02055	0.025574	0.58145	-0.1324	0.00415	0.101839
-0.03255	0.4829	-0.02614	0.57314	-0.21558	2.58E-06	0.027359	0.55535	0.028223
0.022049	0.6346	-0.14849	0.00129	0.120784	0.00898	-0.21933	1.71E-06	0.065178
-0.09367	0.04304	-0.1057	0.02235	-0.0266	0.56641	-0.17784	0.00011	0.247217
-0.01311	0.77759	-0.04518	0.32993	0.032362	0.48539	-0.08691	0.06055	-0.01623
0.035228	0.44757	0.085807	0.06392	-0.05211	0.2611	0.115942	0.01217	-0.0354
-0.05346	0.2489	-0.0029	0.95024	-0.02394	0.60576	-0.08852	0.05594	-0.17884
-0.00783	0.86601	-0.03533	0.44629	0.110877	0.01653	-0.01381	0.76599	0.078114
0.015158	0.74389	-0.08326	0.07224	0.199988	1.34E-05	-0.21236	3.66E-06	0.049756
0.044199	0.34056	0.020473	0.659	0.257976	1.55E-08	-0.04808	0.29979	0.065867
0.046941	0.31142	0.219475	1.68E-06	0.026991	0.56069	0.069035	0.13632	-0.09105
-0.02814	0.54415	-0.00248	0.95733	-0.13688	0.00304	-0.05766	0.21358	-0.31936
0.018816	0.68506	-0.15183	0.001	0.113858	0.01382	-0.25742	1.67E-08	0.104943
-0.04398	0.34291	-0.18764	4.50E-05	0.019784	0.6698	-0.27254	2.13E-09	0.132211
-0.02671	0.56481	-0.21659	2.31E-06	-0.05424	0.24204	-0.1888	4.03E-05	0.214243
-0.02141	0.6444	-0.0926	0.0455	-0.03894	0.4012	-0.13807	0.00279	-0.03853
-0.07866	0.08954	-0.08036	0.08279	-0.01794	0.69899	-0.10331	0.02558	0.098954
0.004779	0.91796	-0.03551	0.44399	-0.13199	0.00427	-0.00724	0.87608	-0.0351
-0.05917	0.20182	-0.08442	0.06836	0.013699	0.76779	-0.10209	0.02739	0.076682
-0.18703	4.76E-05	-0.21689	2.24E-06	-0.18953	3.75E-05	-0.27261	2.11E-09	-0.18947
0.003622	0.93777	-0.21792	1.99E-06	-0.10114	0.02885	-0.2733	1.91E-09	-0.21514
-0.0772	0.09565	-0.17822	0.00011	0.03592	0.43869	-0.1835	6.64E-05	0.029951
-0.14028	0.00238	-0.09812	0.03402	0.062297	0.17897	-0.05788	0.21189	0.123519
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-0.05943	0.19985	-0.0866	0.06149	-0.08928	0.05384	-0.1603	0.00051	0.031269

-0.05856	0.20649	-0.08249	0.07493	-0.04091	0.37768	-0.08815	0.05698	0.087508
-0.07697	0.09665	-0.14199	0.0021	-0.02781	0.54878	-0.26344	7.46E-09	0.037915
-0.00032	0.99452	-0.12158	0.00854	0.057499	0.21488	-0.17741	0.00012	-0.12058
0.082775	0.07393	-0.00597	0.8977	0.211912	3.84E-06	-0.13217	0.00422	-0.00904
0.010179	0.82634	-0.06745	0.14558	0.099523	0.03153	-0.13135	0.00447	-0.03616
-0.03589	0.43912	-0.12381	0.00739	-0.00515	0.9116	-0.17034	0.00022	-0.05345
-0.00705	0.87923	0.281728	5.72E-10	-0.01437	0.75674	0.189964	3.60E-05	0.024081
0.020946	0.65164	-0.09302	0.04451	0.056077	0.22645	-0.14858	0.00128	0.171888
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0.004299	0.92617	0.006423	0.8899	-0.13229	0.00419	0.092984	0.0446	0.131854
-0.00932	0.84074	-0.11904	0.01003	0.049212	0.28856	-0.06759	0.14471	0.168764
-0.08817	0.05691	-0.17034	0.00022	-0.07589	0.10144	-0.26835	3.82E-09	-0.02808
0.210813	4.32E-06	0.05415	0.24284	0.244013	9.30E-08	0.080274	0.08312	0.180498
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0.080662	0.08163	-0.0661	0.15383	0.171857	0.00019	-0.03717	0.42296	0.184315
-0.08666	0.0613	-0.18872	4.05E-05	-0.01363	0.76888	-0.2359	2.51E-07	-0.11717
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0.039498	0.39444	-0.02233	0.63031	0.176295	0.00013	-0.02689	0.56221	0.115695
-0.07149	0.12291	-0.10224	0.02715	0.201634	1.13E-05	-0.13707	0.003	0.181198
-0.04705	0.31033	-0.11562	0.01241	-0.0019	0.9674	-0.1821	7.56E-05	0.029506
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0.061247	0.18642	-0.02789	0.54768	0.219393	1.69E-06	-0.02067	0.65601	0.112015
-0.03187	0.49209	0.099519	0.03154	-0.13927	0.00256	0.006355	0.89106	-0.3872
-0.10329	0.02561	0.042375	0.36088	-0.12716	0.00593	0.068245	0.14087	-0.05226
0.083649	0.07092	-0.03031	0.51355	0.247611	5.92E-08	0.002929	0.94967	0.257066
-0.02762	0.55153	-0.16726	0.00028	-0.04486	0.33343	-0.12352	0.00753	0.151859
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0.011409	0.80576	-0.01852	0.68972	0.172229	0.00018	-0.09073	0.05005	0.050908
0.05986	0.19661	-0.05668	0.22151	0.187818	4.42E-05	-0.13373	0.00379	0.045738
-0.00954	0.8371	-0.06143	0.18512	0.196176	1.96E-05	-0.09997	0.03078	0.126588
0.000796	0.98632	0.145732	0.00159	-0.05107	0.27073	0.115534	0.01248	-0.06821
0.12898	0.00525	-0.03958	0.39347	0.168827	0.00025	-0.10568	0.02236	0.139132
0.147464	0.0014	-0.03839	0.40781	0.183537	6.62E-05	-0.02382	0.6076	0.056717
0.101054	0.029	-0.00227	0.96092	0.238274	1.88E-07	-0.12166	0.00849	-0.04928
0.045033	0.33152	-0.09669	0.03674	0.198635	1.53E-05	-0.14938	0.0012	0.192508
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0.048295	0.29765	-0.00965	0.83521	0.183453	6.67E-05	-0.12349	0.00755	-0.01158
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-0.03274	0.4803	0.071458	0.12306	-0.13591	0.00325	0.106654	0.02115	-0.09702
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0.071558	0.12254	-0.00431	0.92597	0.187577	4.52E-05	-0.12754	0.00578	-0.03957
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0.047029	0.31051	-0.00447	0.92332	0.214168	3.01E-06	-0.07752	0.09428	0.13246
0.018898	0.68376	0.05757	0.21431	0.003296	0.94337	0.045747	0.3239	0.027193
0.025222	0.58666	-0.13393	0.00374	0.170239	0.00022	-0.23368	3.27E-07	0.229973
0.005736	0.90162	0.074287	0.10888	0.260263	1.14E-08	0.121611	0.00852	0.275539
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0.00465	0.92016	-0.02325	0.61624	0.047862	0.30201	0.055291	0.23304	0.058355
0.030671	0.50849	-0.02515	0.58776	0.115677	0.01237	-0.10087	0.02929	0.150047
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0.006418	0.88998	-0.15586	0.00073	-0.11667	0.01163	-0.22234	1.22E-06	-0.15211
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0.083913	0.07003	-0.02174	0.6394	0.199447	1.41E-05	0.018096	0.6965	0.17845
0.084532	0.06798	0.050979	0.27158	0.225708	8.30E-07	-0.03769	0.4164	0.15312
0.02957	0.52384	-0.04552	0.32627	0.193787	2.48E-05	-0.00761	0.86979	0.198743
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0.008372	0.8568	-0.17907	9.99E-05	0.103415	0.02543	-0.28903	1.94E-10	0.14873
0.00479	0.91778	-0.04761	0.30455	0.078614	0.08971	-0.01058	0.81961	0.333796
0.053493	0.24862	0.11227	0.01521	0.223337	1.09E-06	0.03666	0.42931	-0.09238
-0.09863	0.0331	0.126148	0.00634	0.070878	0.12614	0.164172	0.00037	0.100707
0.027044	0.55992	0.17988	9.28E-05	-0.0909	0.04962	0.12488	0.00689	-0.0905
0.009763	0.83334	-0.18427	6.18E-05	0.076426	0.09903	-0.20893	5.28E-06	0.097105
0.093198	0.04411	-0.07859	0.08979	0.158472	0.00059	-0.18932	3.83E-05	0.031071
0.00479	0.91778	-0.1424	0.00204	-0.22157	1.33E-06	-0.0893	0.0538	0.051038
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-0.02093	0.65185	-0.0118	0.79918	0.040652	0.38076	-0.14335	0.0019	0.101456
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0.047946	0.30116	-0.1096	0.01782	0.14179	0.00213	-0.10532	0.02283	0.258299
-0.01582	0.7331	-0.12388	0.00736	-0.04263	0.35797	-0.10072	0.02953	0.036274
0.033636	0.46837	0.00989	0.83121	0.170249	0.00022	0.058217	0.2092	0.198619
-0.05158	0.26593	-0.10297	0.02607	0.055416	0.23198	-0.16334	0.00039	-0.01879
0.035587	0.44295	-0.12145	0.00861	0.115362	0.01261	-0.10361	0.02516	0.113116
0.092562	0.04558	-0.07207	0.11988	0.252627	3.12E-08	-0.06224	0.17934	0.165737
0.021597	0.64156	-0.18666	4.93E-05	0.086081	0.06307	-0.26301	7.91E-09	0.083468
-0.0068	0.88342	0.299934	3.66E-11	0.132013	0.00427	0.336109	8.52E-14	-0.02374
0.005111	0.91228	0.02864	0.53698	0.102782	0.02635	-0.10169	0.028	-0.11771
-0.06374	0.16906	-0.10938	0.01805	0.10552	0.02257	-0.22976	5.19E-07	0.058418
-0.08478	0.06719	-0.00625	0.89284	0.102946	0.02611	-0.05874	0.20512	0.100784
-0.03865	0.40461	-0.16247	0.00042	-0.05779	0.21256	-0.12318	0.0077	0.251622
0.021564	0.64208	-0.03048	0.51108	0.182495	7.29E-05	-0.00987	0.83158	0.006054

-0.0467	0.31396	-0.28466	3.73E-10	-0.13496	0.00348	-0.23206	3.96E-07	0.092782
-0.0629	0.17481	-0.24314	1.04E-07	-0.13941	0.00253	-0.24003	1.52E-07	0.075349
-0.00041	0.99302	-0.0893	0.05379	0.11351	0.01411	-0.183	6.96E-05	0.028882
-0.07366	0.11192	-0.19675	1.85E-05	-0.01054	0.82028	-0.15836	0.00059	0.099184
-0.01416	0.76025	-0.13476	0.00353	0.054886	0.23648	-0.07975	0.08515	0.352806
-0.0388	0.40284	0.189673	3.70E-05	-0.06427	0.16558	0.237113	2.17E-07	-0.14799
-0.06391	0.16797	-0.18932	3.83E-05	-0.07657	0.09841	-0.17059	0.00021	-0.03477
0.021708	0.63985	-0.10062	0.0297	0.090534	0.05055	-0.14596	0.00156	0.053185
0.007055	0.87914	0.166272	0.00031	-0.09495	0.04026	0.183028	6.94E-05	-0.06962
0.024022	0.60459	0.121484	0.00859	-0.07495	0.10574	0.115444	0.01254	-0.19662
-0.07468	0.10701	0.185193	5.67E-05	-0.01973	0.67057	0.271837	2.35E-09	0.02367
-0.09603	0.03803	-0.05974	0.19754	0.037806	0.41502	-0.02153	0.64262	0.225784
-0.06408	0.16682	0.060079	0.19498	0.147496	0.00139	0.039438	0.39516	0.122691
0.000915	0.98427	0.049533	0.28543	-0.06987	0.1316	0.139443	0.00253	0.16897
-0.11723	0.01124	-0.12154	0.00856	-0.04318	0.35187	-0.20844	5.56E-06	-0.10609
-0.06349	0.17079	-0.16791	0.00027	0.114489	0.0133	-0.19915	1.45E-05	0.0628
0.144924	0.00169	0.274912	1.52E-09	0.351577	4.93E-15	0.217814	2.02E-06	0.126822
-0.01373	0.76734	-0.15752	0.00064	0.085794	0.06396	-0.23072	4.64E-07	0.174232
-0.0343	0.45966	-0.12956	0.00505	-0.01686	0.71637	-0.11516	0.01277	0.121073
0.081192	0.07964	-0.04009	0.38732	0.20807	5.79E-06	-0.0668	0.14951	0.234925
-0.00925	0.84194	0.033017	0.4766	-0.05393	0.24474	0.037645	0.41701	0.032915
0.014212	0.75936	0.015724	0.73467	0.104561	0.02384	-0.09098	0.04941	-0.00178
-0.04664	0.31457	-0.06138	0.18549	0.007749	0.86736	-0.12334	0.00762	-0.03917
0.045757	0.32379	-0.10883	0.01865	0.24729	6.16E-08	-0.08795	0.05754	0.246601
0.057725	0.21308	-0.0933	0.04387	0.117567	0.011	-0.13792	0.00282	0.146604
-0.12239	0.00811	-0.22139	1.35E-06	-0.02765	0.5511	-0.22552	8.48E-07	-0.04479
-0.01891	0.68351	-0.1531	0.0009	-0.11042	0.01698	-0.28242	5.18E-10	-0.06744
-0.03805	0.41204	-0.11676	0.01156	0.13394	0.00373	-0.13914	0.00258	0.11373
-0.00554	0.90493	-0.13208	0.00425	0.123344	0.00762	-0.21833	1.91E-06	0.036011
-0.06785	0.1432	-0.1325	0.00413	0.050832	0.27296	-0.18602	5.24E-05	0.052119
0.10371	0.02501	-0.09973	0.03118	0.013167	0.77657	-0.14483	0.0017	0.043941
-0.00701	0.87991	-0.01606	0.72923	0.074694	0.10695	-0.14024	0.00239	-0.02314
-0.15095	0.00107	-0.14118	0.00223	-0.10954	0.01788	-0.20936	5.05E-06	-0.08831
0.022782	0.62338	0.032782	0.47975	0.067499	0.14528	0.023216	0.61678	0.109205
0.15815	0.0006	0.213974	3.07E-06	0.050777	0.27349	0.252199	3.29E-08	0.115592
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-0.08258	0.07463	-0.29778	5.12E-11	-0.02438	0.59919	-0.33068	2.23E-13	0.072732
-0.00089	0.98465	-0.09187	0.04722	0.165268	0.00034	-0.16833	0.00026	0.165126
0.047749	0.30316	-0.07453	0.10773	0.192128	2.92E-05	-0.10409	0.02448	0.168902
0.0047	0.91931	0.132625	0.00409	-0.10602	0.02193	0.063018	0.17398	-0.19578
0.014556	0.75372	-0.14962	0.00118	0.074515	0.10779	-0.10286	0.02623	0.07065
0.085076	0.06622	-0.01122	0.80895	0.232264	3.87E-07	-0.02169	0.64011	0.329417
-0.11635	0.01186	-0.12423	0.00719	-0.05504	0.23514	-0.14252	0.00202	0.072271
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-0.12459	0.00703	-0.21157	3.99E-06	-0.13191	0.0043	-0.21357	3.21E-06	-0.12889

0.022444	0.62855	-0.07246	0.11789	0.016626	0.72008	-0.11183	0.01561	0.069775
-0.10433	0.02415	-0.06439	0.1648	-0.13427	0.00365	-0.12147	0.0086	0.018884
-0.03578	0.44053	-0.17529	0.00014	0.01807	0.69692	-0.16479	0.00035	0.172039
-0.00482	0.91723	0.016651	0.71968	-0.06896	0.13676	0.031214	0.50102	-0.02762
-0.03762	0.41735	-0.03499	0.45061	0.155191	0.00077	-0.07663	0.09811	0.113674
-0.0208	0.65391	-0.15794	0.00061	-0.02304	0.61948	-0.24842	5.34E-08	0.061761
0.034702	0.45437	-0.04533	0.32832	0.017894	0.69973	-0.11325	0.01434	0.084152
-0.12296	0.00781	-0.2008	1.23E-05	-0.1086	0.0189	-0.2702	2.95E-09	-0.15718
-0.07227	0.11884	-0.14971	0.00118	0.021828	0.638	-0.26072	1.08E-08	-0.02962
0.037464	0.41926	-0.03981	0.3907	0.246196	7.07E-08	-0.08269	0.07422	0.254188
-0.01782	0.70094	-0.14353	0.00187	0.16727	0.00028	-0.1999	1.35E-05	0.13319
-0.13546	0.00336	-0.1811	8.29E-05	-0.0145	0.7546	-0.15411	0.00083	0.214525
-0.08956	0.05311	-0.13229	0.00419	0.095052	0.04005	-0.23739	2.09E-07	0.087872
-0.06267	0.17637	-0.1816	7.92E-05	0.040491	0.38265	-0.23261	3.71E-07	0.039559
-0.09373	0.04291	-0.20381	9.03E-06	0.046377	0.31727	-0.23515	2.74E-07	0.067432
-0.00781	0.86626	-0.11638	0.01184	0.0686	0.13881	-0.15482	0.00079	0.065357
-0.01333	0.77385	0.04792	0.30143	0.019973	0.66682	-0.02	0.66647	-0.00078
0.07055	0.12791	-0.02033	0.66122	0.135294	0.0034	-0.09381	0.04273	0.094185
-0.11333	0.01427	-0.12587	0.00646	-0.02784	0.54836	-0.10329	0.0256	0.134536
-0.04372	0.34588	-0.13525	0.00341	-0.04014	0.38681	-0.25958	1.25E-08	-0.08052
-0.03534	0.44607	0.075827	0.10171	-0.21132	4.09E-06	0.120224	0.00931	-0.10022
0.001117	0.9808	-0.02739	0.55484	0.045848	0.32283	-0.12129	0.0087	0.037943
-0.12718	0.00592	-0.34521	1.62E-14	-0.22504	8.96E-07	-0.3402	4.07E-14	0.018685
0.088807	0.05514	0.022953	0.62077	0.276061	1.29E-09	-0.07436	0.10855	0.150807
-0.04623	0.31885	-0.23904	1.72E-07	0.014852	0.74888	-0.28327	4.57E-10	0.081278
-0.10862	0.01887	-0.14317	0.00192	-0.08226	0.07575	-0.18224	7.47E-05	-0.00043
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0.025103	0.58843	-0.06287	0.175	0.063559	0.17031	-0.17832	0.00011	-0.09821
-0.02018	0.66366	0.043225	0.35132	-0.22494	9.06E-07	0.057462	0.21517	-0.11841
-0.02851	0.5388	-0.08003	0.08407	0.03346	0.4707	-0.11917	0.00995	0.139127
0.02513	0.58803	0.020345	0.66101	-0.08555	0.06473	0.103875	0.02478	-0.01402
-0.07327	0.11383	-0.1428	0.00198	0.019761	0.67015	-0.25523	2.22E-08	0.045818
0.154864	0.00079	0.009503	0.83771	0.276227	1.26E-09	-0.02147	0.64347	0.412038
0.025374	0.58441	-0.05031	0.27796	0.08237	0.07536	-0.0302	0.51507	0.06419
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0.050604	0.27513	0.175617	0.00014	0.23727	2.13E-07	0.109885	0.01753	-0.06814
0.019205	0.6789	-0.08342	0.0717	0.054872	0.23661	-0.04931	0.28759	0.302137
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0.006127	0.89494	-0.19919	1.45E-05	0.109137	0.01831	-0.29451	8.48E-11	0.182104
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-0.05695	0.21928	-0.27315	1.95E-09	0.028964	0.53239	-0.28616	2.98E-10	0.141897
0.059443	0.19975	0.140002	0.00243	-0.07807	0.09198	0.136195	0.00319	-0.03705
0.041707	0.36851	0.080462	0.0824	-0.03688	0.42655	0.108821	0.01866	0.088348
0.015292	0.74171	-0.09765	0.03488	0.043253	0.351	-0.11539	0.01258	0.112222
-0.01283	0.7822	-0.15585	0.00073	-0.02068	0.65582	-0.247	6.39E-08	0.021372

-0.06108	0.18765	-0.24071	1.40E-07	-0.16193	0.00044	-0.20446	8.44E-06	0.195118
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0.005892	0.89895	-0.07092	0.12592	0.152969	0.00091	-0.14966	0.00118	0.028705
-0.00263	0.95487	-0.11926	0.0099	0.113226	0.01436	-0.15503	0.00078	0.162863
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0.071671	0.12194	-0.09391	0.04252	0.15889	0.00057	-0.15434	0.00082	0.221661
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-0.00069	0.98821	-0.05468	0.23827	0.106794	0.02099	-0.11769	0.01091	0.116214
-0.10845	0.01907	0.013622	0.76906	-0.27396	1.74E-09	-0.008	0.86309	-0.19554
-0.06869	0.13831	-0.14109	0.00224	-0.09574	0.03863	-0.13441	0.00361	0.203471
-0.06464	0.16312	-0.13391	0.00374	0.093417	0.04362	-0.20699	6.48E-06	0.104687
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0.003128	0.94625	-0.12005	0.00941	0.074843	0.10624	-0.21868	1.83E-06	-0.02771
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0.02027	0.66218	-0.11485	0.01301	0.128194	0.00553	-0.12954	0.00505	0.192363
-0.06334	0.17176	-0.21897	1.77E-06	-0.12283	0.00788	-0.17032	0.00022	0.193889
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0.032117	0.4887	-0.0584	0.20778	0.038634	0.40487	-0.09046	0.05075	0.07481
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0.01295	0.78016	-0.03026	0.51413	0.075003	0.1055	-0.1	0.03073	-0.03213
0.00064	0.98899	-0.2028	1.00E-05	0.123085	0.00775	-0.277	1.13E-09	0.147307
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-0.00375	0.9356	0.110651	0.01675	0.121735	0.00845	-0.00536	0.90812	-0.02987
0.162695	0.00042	-0.10358	0.0252	0.153695	0.00086	-0.09902	0.0324	0.136832
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0.016711	0.71871	-0.03703	0.42461	0.120454	0.00917	-0.06856	0.13905	0.127205
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-0.05082	0.27307	-0.04663	0.31468	-0.04171	0.36845	-0.09048	0.05069	0.00716
0.06911	0.13589	-0.10774	0.01987	0.059754	0.1974	-0.18177	7.80E-05	0.169004
0.019733	0.67059	-0.19527	2.14E-05	-0.01731	0.70907	-0.18523	5.65E-05	0.287515
0.103117	0.02586	0.126132	0.00635	0.320378	1.32E-12	0.104232	0.02429	0.153636
-0.00126	0.97839	-0.18368	6.53E-05	0.112189	0.01528	-0.1984	1.57E-05	0.092799
0.032296	0.48628	-0.04727	0.30809	0.058273	0.20876	-0.16356	0.00039	0.005927
-0.04288	0.35521	-0.23033	4.86E-07	0.057043	0.21854	-0.28177	5.69E-10	0.147472
0.033731	0.46712	-0.10216	0.02727	0.08572	0.06419	-0.18755	4.54E-05	0.017558
0.036486	0.4315	-0.15974	0.00053	0.146754	0.00147	-0.21403	3.06E-06	0.167347
0.142774	0.00198	-0.08002	0.08411	0.10936	0.01808	-0.21247	3.62E-06	-0.03642
0.10123	0.02872	-0.08345	0.07159	0.254745	2.37E-08	-0.17539	0.00014	0.245076
0.061735	0.18293	0.071338	0.12369	0.213559	3.22E-06	0.003386	0.94183	0.077531
-0.00802	0.86278	0.04259	0.35844	-0.13925	0.00256	0.171161	0.0002	0.072339
0.062098	0.18036	0.238509	1.83E-07	0.144808	0.0017	0.398622	3.09E-19	0.205811
0.229166	5.56E-07	0.049426	0.28647	0.263806	7.10E-09	0.017602	0.7044	0.056082

0.071814	0.1212	4.08E-06	0.99993	0.202554	1.03E-05	-0.02042	0.6598	0.154681
-0.0214	0.64459	0.057337	0.21618	-0.06936	0.13449	0.168311	0.00026	0.104939
0.046336	0.31771	-0.24655	6.76E-08	0.029232	0.5286	-0.28523	3.42E-10	0.100989
0.033893	0.46497	-0.23891	1.74E-07	-0.00994	0.8304	-0.25335	2.84E-08	0.046249
0.048658	0.29404	-0.13996	0.00243	0.060365	0.19285	-0.16463	0.00035	0.001031
-0.08646	0.06193	0.022936	0.62104	-0.17367	0.00016	0.051368	0.26794	-0.08605
0.010847	0.81515	-0.11663	0.01166	0.123046	0.00777	-0.15982	0.00053	0.008725
0.134514	0.00359	0.117833	0.01082	0.332859	1.52E-13	0.15242	0.00095	0.230429
-0.07938	0.0866	0.099094	0.03228	-0.14881	0.00126	0.21723	2.15E-06	0.137139
0.082523	0.07481	-0.08824	0.05672	0.182525	7.27E-05	-0.20033	1.29E-05	0.028721
0.029515	0.52461	-0.15945	0.00054	0.183395	6.71E-05	-0.26656	4.88E-09	0.108128
-0.03725	0.42197	0.132287	0.00419	-0.05385	0.24542	0.202597	1.02E-05	-0.06522
0.016785	0.71751	-0.03187	0.4921	0.095087	0.03998	-0.17937	9.72E-05	0.079015
0.095198	0.03974	-0.02316	0.61756	0.201951	1.09E-05	-0.12059	0.0091	0.088275
-0.09777	0.03467	0.013627	0.76898	-0.23815	1.91E-07	0.061491	0.18467	-0.12422
0.072215	0.11913	-0.09081	0.04984	0.169958	0.00022	-0.15258	0.00094	0.012545
-0.04076	0.37953	0.181417	8.06E-05	0.016301	0.72532	0.337702	6.40E-14	0.157263
0.04259	0.35844	0.151753	0.001	0.365701	3.18E-16	0.099383	0.03177	0.28063
-0.05652	0.22279	0.16702	0.00029	-0.12873	0.00534	0.210056	4.69E-06	-0.07338
0.077586	0.094	-0.00147	0.97481	0.26867	3.65E-09	-0.08282	0.07376	0.118317
0.072107	0.11968	-0.04016	0.38654	0.28668	2.76E-10	-0.17504	0.00014	0.095685
0.176601	0.00012	0.387625	3.42E-18	0.496941	1.70E-30	0.170507	0.00021	0.260317
0.071273	0.12404	-0.09212	0.04662	0.22488	9.12E-07	-0.19408	2.41E-05	0.103114
0.085546	0.06473	-0.14356	0.00187	0.023536	0.61193	-0.18292	7.01E-05	0.037577
0.036066	0.43683	-0.12723	0.0059	0.110217	0.01719	-0.22354	1.06E-06	0.101137
0.061362	0.18559	-0.06809	0.14176	0.239444	1.63E-07	-0.1211	0.0088	0.127382
-0.02124	0.64707	-0.20949	4.98E-06	-0.06567	0.15651	-0.35179	4.73E-15	-0.13909
0.039999	0.38846	-0.01835	0.69253	0.205963	7.22E-06	-0.13569	0.0033	0.113523
-0.00678	0.88389	-0.17288	0.00017	0.140275	0.00238	-0.23108	4.45E-07	0.152772
0.006455	0.88935	-0.21177	3.90E-06	0.077436	0.09463	-0.26463	6.35E-09	0.161918
0.032036	0.4898	0.144006	0.00181	-0.02581	0.57799	0.260043	1.18E-08	-0.01154
-0.04933	0.28745	-0.11713	0.0113	0.027761	0.54956	-0.11819	0.01058	0.144968
-0.09219	0.04647	-0.1657	0.00032	-0.01654	0.7215	-0.26634	5.03E-09	-0.0361
0.014489	0.75483	-0.10732	0.02036	0.160757	0.00049	-0.2168	2.26E-06	0.229103
0.013954	0.7636	-0.05248	0.25773	0.132239	0.0042	-0.15063	0.00109	0.065231
0.089172	0.05414	0.053666	0.24709	0.305324	1.56E-11	-0.11749	0.01106	0.087833
0.130897	0.00461	0.192173	2.90E-05	0.36151	7.28E-16	0.15187	0.00099	0.37708
0.027815	0.54878	-0.09622	0.03765	0.186202	5.15E-05	-0.24774	5.83E-08	0.158995
0.018472	0.69053	-0.15114	0.00105	0.182894	7.03E-05	-0.18832	4.21E-05	0.247751
0.082457	0.07505	-0.02281	0.62297	0.191208	3.19E-05	-0.14514	0.00166	0.135964
-0.04621	0.31904	-0.15243	0.00095	0.133122	0.00395	-0.23892	1.74E-07	0.049091
0.043315	0.35032	-0.13064	0.00469	0.05597	0.22734	-0.13843	0.00272	0.04094
0.131269	0.00449	0.069889	0.13153	0.32678	4.40E-13	-0.07738	0.09488	0.072793
-0.01842	0.69139	0.158708	0.00058	-0.05374	0.2464	0.215909	2.49E-06	-0.03575
-0.02946	0.52544	-0.19209	2.93E-05	-0.05016	0.27933	-0.31951	1.52E-12	-0.00525

0.078364	0.09074	-0.12137	0.00865	0.21269	3.53E-06	-0.23119	4.39E-07	0.123798
0.145297	0.00164	0.017928	0.69918	0.198423	1.56E-05	-0.02471	0.59423	0.062693
0.026911	0.56185	-0.16375	0.00038	0.137001	0.00301	-0.24525	7.97E-08	0.14032
0.026294	0.57085	-0.1515	0.00102	0.147396	0.0014	-0.24318	1.03E-07	0.16496
0.027146	0.55844	-0.15499	0.00078	0.128233	0.00552	-0.28562	3.23E-10	0.070452
-0.01484	0.74908	-0.09128	0.04869	0.140216	0.00239	-0.12714	0.00593	0.13123
0.00248	0.95737	-0.07887	0.08866	0.114782	0.01306	-0.23312	3.49E-07	0.015389
0.161385	0.00046	0.227445	6.79E-07	0.456312	2.14E-25	0.147681	0.00137	0.298825
-0.0212	0.64763	0.153838	0.00085	-0.12677	0.00609	0.230567	4.72E-07	-0.00384
0.022253	0.63147	0.153725	0.00086	0.012548	0.78682	0.279797	7.57E-10	0.064786
0.010131	0.82715	-0.06432	0.16525	0.172752	0.00018	-0.20526	7.76E-06	0.099172
0.001439	0.97526	-0.04393	0.34354	0.231609	4.18E-07	-0.16535	0.00033	0.096775
0.061115	0.18737	-0.19024	3.50E-05	-0.00329	0.94346	-0.25215	3.32E-08	0.0991
0.027189	0.55781	-0.05818	0.20945	0.205964	7.22E-06	-0.1562	0.00071	0.055383
-0.01211	0.79402	-0.1732	0.00017	0.144281	0.00177	-0.29983	3.72E-11	0.157099
-0.03118	0.50154	-0.13966	0.00249	0.161691	0.00045	-0.25694	1.78E-08	0.086537
0.019562	0.67328	-0.0125	0.78755	0.070262	0.12947	-0.18638	5.07E-05	-0.0634
-0.02306	0.61908	-0.12309	0.00775	-0.04848	0.2958	-0.24554	7.68E-08	-0.1069
0.009917	0.83075	-0.14917	0.00122	0.101918	0.02764	-0.26584	5.39E-09	0.070676
0.081805	0.07739	-0.0276	0.55184	0.210307	4.56E-06	-0.21028	4.57E-06	0.067217
0.006945	0.88102	-0.06412	0.16657	0.179142	9.92E-05	-0.14187	0.00212	0.175275
0.042287	0.36188	-0.13202	0.00426	0.192098	2.93E-05	-0.25176	3.49E-08	0.033261
0.022856	0.62225	-0.04548	0.32673	0.214342	2.95E-06	-0.14603	0.00155	0.171238
-0.07684	0.09722	0.040784	0.37921	-0.19347	2.56E-05	0.122813	0.00788	-0.04363
0.078456	0.09036	-0.01283	0.78211	0.240526	1.43E-07	-0.10461	0.02378	0.07044
-0.07128	0.124	0.068821	0.13754	-0.16113	0.00047	0.122827	0.00788	-0.07686
-0.01346	0.77176	-0.08106	0.08015	0.138903	0.00263	-0.15392	0.00085	0.020853
0.101247	0.02869	0.161124	0.00047	0.364516	4.02E-16	0.067013	0.14821	0.159651
0.055681	0.22975	0.297287	5.53E-11	0.236528	2.32E-07	0.465472	1.74E-26	0.265474
0.059542	0.199	-0.02491	0.59137	0.071655	0.12203	-0.1663	0.00031	-0.08216
0.031163	0.50172	-0.04274	0.35671	0.196018	1.99E-05	-0.2067	6.68E-06	0.03564
-0.08949	0.05329	0.166928	0.00029	-0.13904	0.0026	0.163951	0.00037	-0.08653
0.008386	0.85658	-0.10629	0.0216	0.151136	0.00105	-0.17286	0.00017	0.132283
0.042224	0.36259	-0.08929	0.05383	0.166892	0.00029	-0.16172	0.00045	0.212339
0.029152	0.52973	-0.0083	0.85805	0.173032	0.00017	-0.06079	0.18974	0.184528
0.029208	0.52893	-0.11937	0.00983	0.172036	0.00019	-0.24085	1.37E-07	0.153372
0.085868	0.06373	-0.09544	0.03925	0.170995	0.00021	-0.21974	1.63E-06	0.006205
0.046718	0.31373	-0.12032	0.00925	0.156227	0.0007	-0.25468	2.39E-08	0.107274
0.011464	0.80484	-0.11702	0.01138	0.009391	0.83961	-0.29343	1.00E-10	-0.15376
0.038466	0.40692	-0.10062	0.02969	0.138552	0.00269	-0.18375	6.49E-05	0.176019
0.091068	0.04921	-0.05204	0.26173	0.192238	2.89E-05	-0.2249	9.10E-07	0.034433
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0.075424	0.10355	-0.02039	0.66037	0.229436	5.39E-07	-0.12064	0.00906	0.104695
0.156089	0.00071	0.023382	0.61426	0.325458	5.53E-13	-0.11628	0.01191	0.106318
0.119208	0.00993	0.011354	0.80668	0.262048	9.00E-09	-0.0523	0.25933	0.2179

0.052513	0.2574	-0.08019	0.08345	0.266385	5.00E-09	-0.11495	0.01293	0.213668
0.036783	0.42777	-0.13182	0.00432	0.10517	0.02303	-0.23556	2.61E-07	0.132105
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0.07462	0.10729	-0.11646	0.01178	0.184182	6.23E-05	-0.22369	1.04E-06	0.080734
0.103226	0.0257	0.086896	0.06061	0.195375	2.12E-05	-0.07709	0.09614	0.009832
0.065061	0.16041	-0.04172	0.36839	0.233219	3.45E-07	-0.09476	0.04067	0.250093
0.035903	0.43891	-0.12086	0.00894	0.191806	3.01E-05	-0.25277	3.06E-08	0.079957
0.09785	0.03452	-0.03694	0.42574	0.225227	8.77E-07	-0.16603	0.00031	-0.02774
0.093049	0.04445	0.027071	0.55953	0.283301	4.55E-10	-0.11434	0.01342	0.169757
-0.01806	0.69706	-0.18732	4.64E-05	0.084061	0.06954	-0.19031	3.48E-05	0.153
0.084042	0.0696	-0.19529	2.14E-05	0.002667	0.95417	-0.24787	5.72E-08	0.036611
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0.139166	0.00258	0.053771	0.24616	0.37008	1.32E-16	-0.06184	0.1822	0.24098
0.011665	0.80149	-0.12501	0.00684	0.159766	0.00053	-0.25684	1.80E-08	0.037727
0.075647	0.10253	0.005809	0.90037	0.164286	0.00036	-0.14625	0.00153	-0.08604
0.033438	0.47099	-0.1292	0.00517	0.118162	0.0106	-0.23593	2.50E-07	0.199991
-0.00922	0.84242	-0.19932	1.43E-05	0.060997	0.18823	-0.22076	1.45E-06	0.029251
0.060228	0.19387	-0.10875	0.01873	0.21948	1.68E-06	-0.21131	4.10E-06	0.201279
0.000422	0.99275	0.040962	0.37714	0.178525	0.0001	-0.10076	0.02947	-0.02842
-0.03445	0.45772	0.061098	0.18749	-0.14643	0.00151	0.187685	4.48E-05	0.069241
0.070588	0.1277	-0.08022	0.08333	0.246446	6.86E-08	-0.22046	1.50E-06	0.136077
0.037193	0.42262	-0.06296	0.17436	0.131233	0.0045	-0.00696	0.88081	0.253731
-0.00565	0.90306	-0.24413	9.16E-08	0.032468	0.48396	-0.27248	2.15E-09	0.148774
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0.065241	0.15925	0.032047	0.48966	0.117456	0.01108	-0.075	0.10553	-0.00966
0.069438	0.13404	-0.05215	0.26068	0.232433	3.79E-07	-0.17971	9.42E-05	0.047816
0.058971	0.20335	0.171361	0.0002	-0.00594	0.89809	0.251075	3.81E-08	0.019819
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0.063459	0.17098	-0.04698	0.311	0.24292	1.06E-07	-0.16907	0.00024	0.047512
-0.02976	0.52112	0.181558	7.95E-05	-0.10734	0.02033	0.206279	6.98E-06	-0.05973
0.054633	0.23866	-0.16937	0.00024	0.178207	0.00011	-0.24403	9.28E-08	0.09257
0.095667	0.03877	0.192408	2.84E-05	0.112973	0.01458	0.351778	4.75E-15	0.086948
0.023219	0.61674	-0.15825	0.0006	0.155737	0.00073	-0.22525	8.74E-07	0.1845
0.095823	0.03846	-0.01065	0.81845	0.215948	2.48E-06	-0.18729	4.65E-05	0.050749
-0.01013	0.82714	-0.02696	0.5612	0.136304	0.00316	-0.13088	0.00461	0.13725
-0.02905	0.53111	-0.16973	0.00023	0.043819	0.34474	-0.3237	7.47E-13	0.012634
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-0.0875	0.05885	0.097392	0.03538	-0.13742	0.00292	0.050121	0.27974	-0.11578
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0.107385	0.02028	-0.05399	0.24426	0.15133	0.00104	-0.13485	0.0035	0.069201
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0.015767	0.73398	-0.11888	0.01013	0.058152	0.20971	-0.21714	2.18E-06	0.044694

0.047866	0.30197	0.143843	0.00183	0.114354	0.01341	0.049925	0.28163	0.02912
0.000649	0.98885	-0.12689	0.00603	0.011655	0.80166	-0.1804	8.84E-05	0.153987
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0.021861	0.63749	-0.06257	0.17709	0.208421	5.57E-06	-0.13302	0.00398	0.240328
0.144151	0.00179	-0.01994	0.66728	0.189947	3.60E-05	-0.10938	0.01805	-0.01878
0.008095	0.86149	-0.05201	0.26201	0.210385	4.52E-06	-0.11698	0.01141	0.316477
0.012128	0.79379	-0.09464	0.04092	0.093022	0.04452	-0.07998	0.08425	0.208605
-1.31E-05	0.99977	-0.12369	0.00745	0.068997	0.13654	-0.16593	0.00032	0.16578
0.101453	0.02836	0.036826	0.42722	0.195528	2.09E-05	-0.10478	0.02354	0.037953
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0.022886	0.62179	-0.13556	0.00333	0.118284	0.01052	-0.30493	1.66E-11	0.094233
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0.097447	0.03527	-0.06721	0.14698	0.187399	4.60E-05	-0.12059	0.0091	0.182154
0.072146	0.11949	-0.09831	0.03367	0.185662	5.42E-05	-0.18809	4.31E-05	0.046278
-0.00778	0.86689	-0.16063	0.00049	-0.00794	0.86405	-0.29754	5.32E-11	0.017634
0.044889	0.33307	-0.08438	0.06848	0.130702	0.00467	-0.19312	2.65E-05	0.03295
0.007112	0.87817	0.149197	0.00122	-0.03305	0.47618	0.163932	0.00037	-0.07201
-0.03078	0.507	-0.19587	2.02E-05	-0.01287	0.78142	-0.2143	2.97E-06	0.064754
-0.17074	0.00021	-0.0832	0.07245	-0.30939	8.12E-12	0.016298	0.72538	-0.05581
0.120384	0.00921	0.206714	6.67E-06	0.363036	5.39E-16	0.10396	0.02466	0.221169
0.064639	0.16314	0.003307	0.94317	0.163257	0.0004	-0.16028	0.00051	-0.10396
-0.02233	0.6303	-0.1128	0.01473	0.099385	0.03177	-0.17433	0.00015	0.096493
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0.054453	0.24021	-0.11645	0.01179	0.189271	3.85E-05	-0.23037	4.83E-07	0.137333
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0.052091	0.26125	-0.15934	0.00055	0.114007	0.0137	-0.261	1.04E-08	0.073683
0.038004	0.41258	-0.06423	0.1658	0.149112	0.00123	-0.24024	1.48E-07	-0.02892
0.060184	0.19419	-0.14309	0.00194	0.160907	0.00048	-0.26519	5.88E-09	0.228203
0.022592	0.62628	-0.01168	0.8012	0.172693	0.00018	-0.11847	0.0104	0.067002
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0.008755	0.85034	-0.11203	0.01543	0.123357	0.00761	-0.1821	7.56E-05	0.068388
-0.17045	0.00022	0.04538	0.32781	-0.28351	4.41E-10	0.110123	0.01728	-0.06261
0.070437	0.12852	-0.07501	0.10545	0.222973	1.13E-06	-0.15475	0.00079	0.174081
0.010649	0.81847	-0.17546	0.00014	0.046244	0.31867	-0.18859	4.11E-05	0.057773
0.017159	0.7115	-0.14414	0.00179	0.067656	0.14434	-0.21126	4.12E-06	0.025905
0.009395	0.83954	-0.12932	0.00513	0.182451	7.32E-05	-0.22911	5.60E-07	0.06654
0.115202	0.01273	-0.01463	0.75258	0.238618	1.81E-07	-0.11136	0.01606	0.175136
0.044454	0.33778	0.058743	0.20511	0.179691	9.44E-05	-0.02341	0.61379	0.130384
-0.03902	0.40018	0.085153	0.06598	0.28164	5.80E-10	0.0256	0.58106	0.214661
0.036006	0.43759	0.00036	0.99382	0.249998	4.37E-08	-0.12152	0.00857	0.16141
-0.09415	0.04199	0.044487	0.33742	-0.17877	0.0001	0.094495	0.04124	-0.10819
0.175327	0.00014	0.087757	0.05809	0.340492	3.86E-14	0.069297	0.13483	0.180729
0.066359	0.15221	-0.11098	0.01643	0.170649	0.00021	-0.17791	0.00011	0.132286
-0.01342	0.77243	0.244542	8.70E-08	0.028912	0.53312	0.311446	5.81E-12	0.081412
-0.00533	0.90846	-0.13557	0.00333	0.120262	0.00929	-0.2392	1.68E-07	0.107451



0.041609	0.36963	-0.17749	0.00012	0.151418	0.00103	-0.24904	4.94E-08	0.215159
-0.00494	0.91519	-0.12895	0.00526	0.121076	0.00882	-0.20314	9.67E-06	0.082039
0.040453	0.3831	-0.02978	0.52085	0.150343	0.00112	-0.23533	2.69E-07	-0.17564
-0.02429	0.6006	-0.02904	0.53132	0.150049	0.00114	-0.05123	0.26926	0.011416
-0.17796	0.00011	-0.02049	0.6588	-0.21636	2.37E-06	0.072867	0.11583	-0.15033
-0.01776	0.70194	-0.08771	0.05821	0.097994	0.03425	-0.21249	3.61E-06	-0.07895
0.024298	0.60045	-0.08132	0.07916	0.170172	0.00022	-0.11946	0.00977	0.092604
0.034845	0.45252	-0.11752	0.01103	0.150551	0.0011	-0.21351	3.23E-06	0.195378
0.039912	0.38949	-0.08643	0.06201	0.08362	0.07102	-0.14805	0.00133	-0.01851
0.079692	0.08538	0.014639	0.75236	0.29133	1.38E-10	-0.15886	0.00057	0.167983
-0.01092	0.81394	-0.20823	5.69E-06	0.024679	0.59474	-0.30116	3.02E-11	0.069209
-0.10387	0.02478	0.183589	6.59E-05	-0.10729	0.0204	0.23134	4.31E-07	-0.02238
0.199735	1.37E-05	0.063567	0.17025	0.280983	6.38E-10	-0.00625	0.89287	0.069279
-0.07038	0.12884	0.010057	0.82839	-0.23352	3.33E-07	0.055317	0.23282	-0.1256
0.044835	0.33365	-0.08719	0.05975	0.189447	3.78E-05	-0.22331	1.09E-06	0.080924
0.072531	0.11752	-0.02659	0.5666	0.202397	1.04E-05	-0.15562	0.00074	-0.01461
0.094451	0.04133	-0.02625	0.57157	0.208799	5.36E-06	-0.09663	0.03685	0.182915
0.045603	0.32543	-0.05275	0.25523	0.205457	7.61E-06	-0.18458	6.00E-05	0.157699
0.039845	0.39029	-0.01491	0.74791	0.0843	0.06874	-0.10681	0.02096	-0.00157
0.054408	0.2406	-0.10475	0.02358	0.193848	2.47E-05	-0.17253	0.00018	0.229528
0.041457	0.37139	-0.0832	0.07245	0.198159	1.61E-05	-0.1847	5.94E-05	0.240663
0.08458	0.06783	0.028983	0.53212	0.132266	0.00419	-0.07852	0.0901	0.05538
-0.03352	0.46985	-0.27466	1.58E-09	-0.00662	0.88662	-0.33051	2.30E-13	0.006425
0.097852	0.03452	-0.04463	0.33587	0.204448	8.45E-06	-0.15203	0.00098	0.039034
0.035874	0.43927	-0.12318	0.0077	0.122797	0.00789	-0.2302	4.93E-07	0.094924
0.097548	0.03508	-0.06534	0.1586	0.30319	2.19E-11	-0.11382	0.01385	0.202711
0.04326	0.35093	-0.0789	0.08854	0.189672	3.70E-05	-0.23049	4.77E-07	0.018019
0.186027	5.24E-05	0.289263	1.88E-10	0.516198	3.66E-33	0.266822	4.71E-09	0.304176
0.025627	0.58066	-0.09137	0.04845	0.173418	0.00017	-0.20352	9.30E-06	0.155238
0.07847	0.0903	-0.00831	0.85777	0.207679	6.03E-06	-0.18514	5.69E-05	0.108168
0.045065	0.33117	-0.02247	0.62821	0.187833	4.41E-05	-0.18046	8.80E-05	0.018627
-0.01226	0.79167	-0.18781	4.42E-05	0.02752	0.55303	-0.32397	7.14E-13	0.10167
0.076496	0.09872	0.000461	0.99207	0.300366	3.42E-11	-0.14324	0.00191	-7.36E-05
0.018597	0.68853	-0.08994	0.05211	0.176571	0.00013	-0.19336	2.59E-05	0.172083
-0.1517	0.00101	-0.10774	0.01987	-0.24929	4.78E-08	0.029434	0.52575	-0.10701
0.0766	0.09826	-0.07461	0.10736	0.274441	1.63E-09	-0.13937	0.00254	0.247016
-0.12985	0.00495	0.058104	0.21009	-0.04717	0.30911	0.205144	7.86E-06	0.225625
0.051525	0.26648	0.031092	0.50269	0.247379	6.10E-08	-0.07665	0.09803	0.179956
-0.15672	0.00068	-0.06823	0.14094	-0.25319	2.90E-08	-0.04165	0.3692	-0.20353
0.002996	0.94852	-0.12765	0.00574	0.095585	0.03894	-0.23887	1.75E-07	0.058807
0.005886	0.89906	-0.09008	0.05173	0.149955	0.00115	-0.18336	6.73E-05	-0.00299
-0.08089	0.08077	0.192416	2.84E-05	-0.05185	0.2635	0.209106	5.18E-06	-0.18724
0.062366	0.17849	-0.1253	0.0067	0.146916	0.00145	-0.28714	2.58E-10	-0.03623
0.060943	0.18862	-0.15038	0.00112	0.027031	0.56011	-0.25726	1.70E-08	0.052131
0.025661	0.58017	-0.03598	0.43789	0.088452	0.05612	-0.11578	0.01229	0.109133

0.01407	0.76169	-0.17891	0.0001	0.076067	0.10063	-0.19528	2.14E-05	0.071459
0.059665	0.19808	-0.03602	0.43738	0.176974	0.00012	-0.20958	4.93E-06	0.092471
0.023905	0.60635	-0.06263	0.17668	0.241172	1.32E-07	-0.1545	0.00081	0.161929
0.073601	0.11219	0.040284	0.38508	0.300183	3.52E-11	-0.09598	0.03814	0.069114
0.121227	0.00873	0.048541	0.2952	0.291461	1.35E-10	0.049636	0.28443	0.261156
0.029619	0.52315	-0.11818	0.01059	0.232452	3.78E-07	-0.19729	1.75E-05	0.108409
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0.029904	0.51916	-0.01137	0.80635	0.227543	6.72E-07	-0.10998	0.01743	0.135761
-0.09354	0.04333	-0.11932	0.00986	-0.29844	4.62E-11	-0.08913	0.05427	-0.08159
-0.03668	0.4291	-0.10319	0.02575	0.06772	0.14396	-0.16809	0.00026	0.025652
0.034125	0.46193	-0.10757	0.02006	0.127122	0.00594	-0.17856	0.0001	0.127803
0.035291	0.44675	-0.00839	0.85648	0.237684	2.02E-07	-0.12626	0.00629	0.168049
0.098956	0.03252	0.049337	0.28734	0.316465	2.54E-12	-0.09272	0.04521	0.074104
0.063349	0.17172	-0.03984	0.39031	0.138619	0.00268	-0.14532	0.00164	0.103242
-0.00957	0.83651	0.026366	0.56979	0.195256	2.15E-05	-0.06289	0.17485	0.066147
0.016386	0.72396	-0.13522	0.00341	0.199286	1.43E-05	-0.23429	3.04E-07	0.078717
0.00349	0.94004	-0.01218	0.79298	0.191681	3.05E-05	-0.06241	0.17816	0.132166
-0.08893	0.0548	-0.27885	8.68E-10	-0.14189	0.00211	-0.3719	9.14E-17	-0.10326
-0.05615	0.22589	0.141264	0.00221	-0.07209	0.11976	0.164445	0.00036	-0.17703
-0.11051	0.01689	0.145208	0.00165	-0.22796	6.40E-07	0.165485	0.00033	-0.14887
-0.06383	0.16848	0.13085	0.00462	-0.13041	0.00476	0.146565	0.00149	-0.06527
0.10811	0.01945	0.015189	0.74339	0.229545	5.32E-07	-0.15053	0.0011	0.025995
0.071893	0.12079	0.019762	0.67014	0.161029	0.00048	-0.09207	0.04675	0.004382
0.179546	9.56E-05	0.095951	0.0382	0.355037	2.55E-15	-0.04878	0.29285	0.024222
0.137358	0.00293	0.040707	0.38011	0.228524	5.99E-07	0.023485	0.6127	0.191737
-0.09188	0.0472	0.055617	0.23029	-0.26736	4.37E-09	0.052717	0.25556	-0.18901
-0.08246	0.07505	0.105194	0.023	-0.201	1.20E-05	0.078149	0.09163	-0.02992
-0.04879	0.29274	-0.09863	0.0331	-0.01157	0.80315	-0.17992	9.24E-05	0.017658
0.085439	0.06507	-0.04573	0.32408	0.187077	4.74E-05	-0.17242	0.00018	0.115076
0.034073	0.46261	-0.14488	0.00169	0.239999	1.53E-07	-0.2108	4.33E-06	0.239347
-0.01356	0.77011	-0.16413	0.00037	-0.00521	0.91067	-0.25741	1.67E-08	-0.07636
0.173195	0.00017	0.199371	1.42E-05	0.457355	1.61E-25	0.138325	0.00274	0.097915
0.020842	0.65326	-0.12321	0.00768	0.131105	0.00454	-0.2387	1.79E-07	0.190369
-0.20742	6.20E-06	-0.12792	0.00564	-0.31608	2.70E-12	-0.04563	0.32513	-0.11235
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0.165103	0.00034	0.207831	5.93E-06	0.380679	1.49E-17	0.038089	0.41153	0.189489
-0.00333	0.94281	-0.14236	0.00204	0.017438	0.70702	-0.22546	8.53E-07	0.021306
0.087427	0.05904	-0.02659	0.5665	0.2683	3.84E-09	-0.1142	0.01353	0.140791
0.022643	0.6255	-0.16083	0.00048	0.108113	0.01944	-0.28076	6.59E-10	0.06977
-0.01533	0.74114	-0.16263	0.00042	-0.0031	0.94671	-0.2434	1.00E-07	0.156679
0.006854	0.88256	-0.18505	5.75E-05	0.0679	0.1429	-0.25785	1.58E-08	-0.01477
0.129752	0.00498	0.065483	0.1577	0.280335	7.01E-10	0.001418	0.97562	0.162018
0.037808	0.41499	-0.1078	0.0198	0.038689	0.4042	-0.1542	0.00083	-0.03266
0.018253	0.694	-0.13347	0.00386	0.133323	0.0039	-0.29393	9.26E-11	0.103133
0.022182	0.63255	-0.13213	0.00423	0.203668	9.16E-06	-0.16151	0.00046	0.278093

0.027166	0.55815	-0.17099	0.00021	0.104034	0.02456	-0.25266	3.11E-08	0.17293
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-0.00516	0.91142	-0.09496	0.04024	0.16957	0.00023	-0.13676	0.00306	0.155619
-0.13091	0.0046	0.000689	0.98816	-0.28979	1.74E-10	0.041047	0.37614	-0.18018
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-0.02541	0.58382	0.344508	1.85E-14	0.101289	0.02862	0.43103	1.50E-22	0.067028
0.037817	0.41488	-0.08098	0.08043	0.018767	0.68584	-0.18719	4.69E-05	-0.15176
-0.04741	0.30656	-0.1845	6.05E-05	-0.04115	0.37499	-0.22426	9.79E-07	-0.00437
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-0.00271	0.95351	-0.18089	8.46E-05	0.004408	0.92431	-0.29586	6.89E-11	0.014944
0.042403	0.36056	-0.18847	4.16E-05	0.132779	0.00405	-0.29911	4.16E-11	0.154446
-0.03851	0.4064	-0.11079	0.01662	0.016097	0.72863	-0.23161	4.18E-07	0.05597
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0.090234	0.05133	-0.06611	0.15373	0.202587	1.02E-05	-0.14706	0.00144	0.113666
0.066687	0.15019	-0.16527	0.00033	0.036044	0.43711	-0.31667	2.45E-12	-0.01412
0.088764	0.05526	-0.00078	0.98652	0.177791	0.00011	-0.10035	0.03014	-0.03327
0.01137	0.80642	-0.21557	2.58E-06	0.029539	0.52428	-0.31835	1.85E-12	-0.02663
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0.112766	0.01476	0.042717	0.35701	0.224267	9.78E-07	-0.16567	0.00032	0.036059
0.064467	0.16427	-0.11586	0.01223	0.134848	0.0035	-0.21041	4.51E-06	0.115339
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-0.09686	0.0364	0.012463	0.78823	-0.28148	5.93E-10	0.079256	0.08711	-0.09328
-0.11618	0.01199	0.014378	0.75664	-0.28518	3.45E-10	0.041411	0.37192	-0.04196
-0.02668	0.56518	0.031675	0.49471	0.188994	3.95E-05	-0.07166	0.122	0.19282
-0.01293	0.78041	-0.17492	0.00015	0.113405	0.0142	-0.28806	2.25E-10	0.096253
-0.14829	0.00131	0.000585	0.98993	-0.20817	5.72E-06	0.042789	0.35621	-0.11087
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0.043973	0.34304	-0.13625	0.00317	0.060802	0.18964	-0.22121	1.38E-06	0.053943
0.142082	0.00209	0.106187	0.02173	0.369976	1.35E-16	-0.03847	0.40681	-0.02028
0.081845	0.07724	-0.07494	0.10577	0.26871	3.63E-09	-0.14814	0.00132	0.166916
0.129747	0.00498	-0.02394	0.60588	0.175967	0.00013	-0.08337	0.07186	0.146269
0.067993	0.14235	-0.10934	0.0181	0.129497	0.00507	-0.23767	2.03E-07	0.029849
0.045451	0.32705	0.045217	0.32955	0.148046	0.00133	-0.09399	0.04234	-0.08625
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0.003607	0.93803	-0.07071	0.12706	0.085517	0.06482	-0.18364	6.56E-05	-0.02712
-0.13201	0.00427	0.002703	0.95354	-0.25353	2.77E-08	-0.01039	0.82277	-0.14553
-0.09319	0.04412	0.025551	0.58179	-0.16953	0.00023	0.052855	0.25431	-0.1173
-0.04106	0.37604	0.063271	0.17225	-0.10817	0.01938	0.090953	0.04949	-0.11861
-0.06172	0.18304	-0.20742	6.19E-06	-0.07633	0.09945	-0.25153	3.59E-08	0.02707
0.11345	0.01417	-0.04664	0.31451	0.214511	2.90E-06	-0.07126	0.1241	0.092425
0.110699	0.0167	-0.06601	0.1544	0.219769	1.62E-06	-0.20468	8.25E-06	0.161057
-0.05169	0.26496	-0.0795	0.08612	0.007923	0.86441	-0.22213	1.25E-06	-0.042
0.139658	0.00249	-0.06386	0.16828	0.254002	2.61E-08	-0.20032	1.29E-05	0.08302

0.107966	0.01961	0.008881	0.84821	0.320488	1.29E-12	-0.15449	0.00081	0.089312
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0.079043	0.08797	-0.01112	0.81059	0.222837	1.15E-06	-0.12778	0.00569	0.084028
0.022871	0.62203	-0.00339	0.94176	0.275269	1.45E-09	0.01188	0.79791	0.172492
0.106425	0.02143	-0.04315	0.35212	0.300042	3.60E-11	-0.11035	0.01705	0.30206
-0.04132	0.37292	-0.16958	0.00023	0.063349	0.17172	-0.23028	4.88E-07	0.093472
0.072712	0.11661	-0.09712	0.03589	0.194047	2.42E-05	-0.20743	6.19E-06	0.134593
0.022907	0.62148	-0.15205	0.00098	0.12669	0.00612	-0.27243	2.16E-09	0.070216
-0.08486	0.06692	0.042786	0.35623	-0.26244	8.54E-09	0.040188	0.38622	-0.2676
-0.03945	0.39498	0.053275	0.25055	-0.15306	0.00091	0.051536	0.26637	-0.17649
0.200505	1.27E-05	0.215389	2.64E-06	0.45462	3.38E-25	0.172511	0.00018	0.133672
0.022787	0.62331	-0.12826	0.00551	0.148547	0.00128	-0.25397	2.62E-08	0.13221
0.075732	0.10214	0.046334	0.31773	0.176883	0.00012	-0.11522	0.01272	0.024969
-0.08954	0.05314	0.050495	0.27616	-0.31208	5.23E-12	0.03164	0.49518	-0.31281
-0.00449	0.92283	0.090606	0.05037	-0.15332	0.00089	0.121345	0.00867	-0.22036
0.111035	0.01637	-0.00132	0.9773	0.285476	3.30E-10	-0.16389	0.00038	0.054322
0.008949	0.84706	-0.06917	0.13553	0.134705	0.00354	-0.14935	0.00121	-0.01988
-0.00856	0.8536	-0.20829	5.65E-06	0.044306	0.3394	-0.26331	7.59E-09	0.099469
-0.00488	0.9163	-0.05438	0.24083	0.070478	0.1283	-0.23004	5.02E-07	-0.17107
0.033269	0.47324	-0.10546	0.02265	0.134474	0.0036	-0.18274	7.13E-05	0.137851
-0.03538	0.4456	0.224832	9.17E-07	0.043449	0.34882	0.294996	7.87E-11	0.015789
-0.14007	0.00242	-0.0252	0.58693	-0.27289	2.03E-09	-0.04817	0.2989	-0.09389
-0.00656	0.8876	-0.12092	0.0089	0.118951	0.01009	-0.23794	1.96E-07	0.222176
-0.10346	0.02536	-0.00789	0.86502	-0.22211	1.25E-06	0.033894	0.46496	-0.09309
0.006813	0.88325	-0.1701	0.00022	-0.01786	0.7002	-0.26156	9.62E-09	-0.0486
0.113226	0.01436	-0.01189	0.79778	0.299428	3.96E-11	-0.15614	0.00071	0.126711
-0.04739	0.30676	-0.00408	0.92997	-0.2159	2.49E-06	0.062448	0.17791	0.046156
0.036328	0.43351	-0.05697	0.21916	0.21186	3.86E-06	-0.16898	0.00024	0.155224
-0.01651	0.72195	-0.14872	0.00127	0.091808	0.04738	-0.24224	1.16E-07	0.125563
0.07701	0.09647	-0.00411	0.92944	0.277602	1.04E-09	-0.06554	0.15733	0.273806
-0.00214	0.96315	-0.12134	0.00867	0.143546	0.00187	-0.25053	4.08E-08	0.08339
-0.03733	0.42086	-0.08719	0.05975	0.0459	0.32229	-0.23917	1.69E-07	-0.06224
0.018248	0.69408	-0.12222	0.00819	0.07388	0.11083	-0.21299	3.42E-06	-0.03669
-0.12127	0.00871	0.007423	0.8729	-0.27077	2.73E-09	0.028832	0.53426	-0.12907
-0.05241	0.2583	0.052109	0.26108	-0.15137	0.00103	0.131742	0.00435	-0.01977
0.020194	0.66337	0.04556	0.32589	-0.12727	0.00589	0.17852	0.00011	0.001273
0.058344	0.20821	-0.07196	0.12044	0.138927	0.00262	-0.13649	0.00312	0.094811
0.021372	0.64504	-0.13239	0.00416	0.081233	0.07949	-0.20823	5.69E-06	0.131785
0.07745	0.09457	0.039019	0.4002	0.232622	3.71E-07	-0.02155	0.64234	0.183475
0.004223	0.92748	-0.14861	0.00128	0.126684	0.00612	-0.21201	3.80E-06	0.135154
-0.05543	0.23183	0.063524	0.17054	-0.13884	0.00264	0.246338	6.95E-08	0.134991
0.009446	0.83868	-0.08673	0.0611	0.167424	0.00028	-0.22969	5.23E-07	0.059695
0.125687	0.00654	0.032403	0.48484	0.307989	1.02E-11	-0.10871	0.01878	0.215402
-0.10599	0.02197	0.068199	0.14114	-0.26137	9.87E-09	0.076209	0.1	-0.08329
-0.04579	0.32345	-0.15379	0.00086	-0.01781	0.70107	-0.20718	6.36E-06	-0.14286

-0.17051	0.00021	-0.10975	0.01766	-0.29474	8.18E-11	-0.03668	0.42907	-0.13015
0.099707	0.03122	-0.02391	0.60635	0.217746	2.03E-06	-0.02298	0.62035	0.290971
0.073464	0.11286	-0.04795	0.30117	0.073895	0.11076	-0.15756	0.00063	0.070192
0.081537	0.07837	0.025295	0.58559	0.219441	1.69E-06	-0.08256	0.07469	-0.08623
0.026041	0.57457	0.003385	0.94185	0.198978	1.48E-05	0.016569	0.721	0.071305
0.039887	0.38979	-0.15229	0.00096	0.096924	0.03627	-0.20015	1.31E-05	0.119803
0.00054	0.99072	-0.1277	0.00572	0.081235	0.07948	-0.26458	6.39E-09	0.072901
0.058329	0.20832	-0.06238	0.17836	0.081443	0.07871	-0.09664	0.03683	0.146642
-0.06177	0.18269	0.066041	0.15419	-0.18995	3.60E-05	0.158302	0.0006	-0.01233
0.130421	0.00476	0.067694	0.14412	0.369425	1.51E-16	-0.07575	0.10205	0.26481
-0.01681	0.71717	-0.01127	0.80816	0.184568	6.01E-05	-0.13634	0.00315	-0.04898
-0.11833	0.01049	-0.01871	0.68676	-0.23326	3.44E-07	0.021015	0.65057	-0.14737
0.051143	0.27004	-0.08505	0.06631	0.199713	1.37E-05	-0.14336	0.0019	0.204468
0.036528	0.43097	-0.11996	0.00946	0.165654	0.00032	-0.17607	0.00013	0.104401
0.072773	0.1163	-0.04741	0.30664	0.250859	3.91E-08	-0.16996	0.00022	-0.01365
-0.13215	0.00423	-0.12929	0.00514	-0.29565	7.12E-11	0.051666	0.26517	-0.09906
-0.04816	0.29906	-0.19178	3.02E-05	0.020734	0.65493	-0.18899	3.95E-05	0.099006
0.088829	0.05508	0.095795	0.03851	0.217878	2.00E-06	-0.06837	0.14014	-0.11103
0.047884	0.30179	-0.10674	0.02105	0.039163	0.39846	-0.21391	3.10E-06	-0.11042
-0.03932	0.39655	-0.24986	4.45E-08	-0.02967	0.5225	-0.2419	1.21E-07	0.025428
0.000911	0.98433	-0.06682	0.14935	0.096766	0.03658	-0.18266	7.18E-05	0.036522
0.017364	0.70821	0.15475	0.00079	-0.11463	0.01319	0.236189	2.42E-07	-0.15075
0.083707	0.07072	-0.05794	0.21136	0.274117	1.71E-09	-0.14745	0.0014	0.063485
0.016306	0.72525	-0.06522	0.15941	0.174876	0.00015	-0.14401	0.00181	0.127535
-0.08017	0.08352	-0.10336	0.0255	0.003473	0.94033	-0.19842	1.56E-05	-0.06907
-0.03539	0.44551	-0.21799	1.98E-06	-0.01671	0.71875	-0.29865	4.47E-11	-0.01259
0.051698	0.26487	-0.09133	0.04855	0.161368	0.00046	-0.18309	6.90E-05	0.070162
-0.00995	0.83016	-0.11845	0.01041	0.111119	0.01629	-0.20368	9.15E-06	0.057566
0.025583	0.58131	-0.13849	0.00271	0.052887	0.25402	-0.17591	0.00013	0.202775
0.012612	0.78575	0.003971	0.9318	0.15122	0.00105	-0.16412	0.00037	-0.05964
0.063218	0.17261	-0.00855	0.85386	0.172439	0.00018	-0.09627	0.03755	0.221507
0.08647	0.06188	0.029885	0.51943	0.149739	0.00117	-0.02911	0.53027	0.187066
0.106381	0.02149	-0.02675	0.56418	0.226778	7.34E-07	-0.17809	0.00011	-0.02289
0.076305	0.09957	0.020697	0.65552	0.308591	9.24E-12	-0.07433	0.10868	0.240585
0.006768	0.88402	-0.10258	0.02664	0.055888	0.22802	-0.20932	5.07E-06	-0.06356
0.018045	0.69732	-0.10432	0.02417	0.145269	0.00165	-0.2294	5.41E-07	0.098812
0.073805	0.1112	-0.02457	0.59634	0.156362	0.0007	-0.19902	1.47E-05	-0.03346
-0.07164	0.12213	-0.22407	1.00E-06	-0.05192	0.26279	-0.28725	2.54E-10	0.139585
-0.02389	0.60666	-0.16192	0.00044	0.026258	0.57138	-0.21816	1.94E-06	-0.0062
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0.055934	0.22764	-0.10445	0.02399	0.126415	0.00623	-0.21984	1.61E-06	-0.05024
0.062157	0.17995	-0.08146	0.07865	0.145903	0.00157	-0.20394	8.90E-06	0.001816
0.10948	0.01795	-0.04536	0.32797	0.117389	0.01112	-0.10441	0.02404	0.150138
0.043821	0.34471	-0.00512	0.91219	0.19911	1.46E-05	-0.17364	0.00016	0.018451
0.031475	0.49744	-0.05402	0.24396	0.078971	0.08826	-0.13151	0.00442	-0.05501

-0.08703	0.06021	0.035486	0.44425	-0.15115	0.00105	0.199623	1.39E-05	0.108563
0.080436	0.08249	-0.10933	0.01811	0.173961	0.00016	-0.24538	7.84E-08	0.183114
0.004495	0.92282	-0.1148	0.01305	0.200367	1.28E-05	-0.20199	1.09E-05	0.263726
0.030471	0.51127	0.035611	0.44264	0.183636	6.56E-05	-0.12064	0.00906	-0.0936
0.10777	0.01983	-0.05612	0.22606	0.168349	0.00026	-0.12678	0.00608	0.165024
0.019012	0.68195	-0.08106	0.08012	0.070311	0.12921	-0.18656	4.98E-05	-0.08715
-0.10128	0.02864	-0.02506	0.58907	-0.25586	2.05E-08	0.052985	0.25314	-0.04059
-0.06437	0.16492	0.128724	0.00534	-0.1364	0.00314	0.199072	1.46E-05	0.045427
0.10568	0.02237	0.05101	0.27129	0.304041	1.92E-11	-0.12136	0.00865	0.086753
0.108597	0.0189	-0.06937	0.13442	0.222844	1.15E-06	-0.17243	0.00018	0.155323
0.009719	0.83407	-0.0964	0.0373	0.075485	0.10327	-0.22561	8.39E-07	0.046252
0.087477	0.0589	-0.01293	0.78042	0.211472	4.03E-06	-0.19108	3.23E-05	0.066998
0.000987	0.98303	0.115023	0.01287	0.280879	6.48E-10	0.039947	0.38907	0.138065
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0.080151	0.08359	-0.10349	0.02532	0.17384	0.00016	-0.17861	0.0001	0.040273
0.073473	0.11282	-0.05135	0.2681	0.240938	1.36E-07	-0.13549	0.00335	0.126512
0.049995	0.28095	-0.0882	0.05684	0.20193	1.10E-05	-0.18219	7.50E-05	0.096688
0.050366	0.2774	0.017794	0.70132	0.235129	2.75E-07	-0.10875	0.01874	0.013178
0.016245	0.72624	-0.08448	0.06815	0.16455	0.00036	-0.22768	6.61E-07	0.042735
0.091793	0.04742	-0.10427	0.02423	0.220558	1.49E-06	-0.24433	8.94E-08	0.113789
0.061588	0.18397	-0.08106	0.08015	0.199981	1.34E-05	-0.1914	3.13E-05	0.119604
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-0.05406	0.24362	0.038962	0.40088	-0.1232	0.00769	0.121584	0.00853	0.071295
0.071554	0.12255	0.058879	0.20406	0.185855	5.33E-05	-0.05006	0.28034	0.20857
0.075755	0.10204	0.108037	0.01953	0.234529	2.95E-07	-0.0016	0.9725	0.077753
0.054884	0.23651	-0.04221	0.36281	0.149641	0.00118	-0.10961	0.01781	0.121795
-0.07123	0.12424	0.171101	0.0002	-0.04025	0.38549	0.246113	7.15E-08	-0.13033
0.163782	0.00038	0.102128	0.02732	0.355549	2.31E-15	-0.03979	0.39093	0.099807
0.045657	0.32485	0.118664	0.01027	0.326766	4.41E-13	0.053211	0.25112	0.280624
0.093352	0.04376	-0.06495	0.1611	0.219371	1.70E-06	-0.20744	6.18E-06	0.052095
0.022432	0.62873	-0.08573	0.06417	0.158683	0.00058	-0.23049	4.76E-07	0.064406
0.064991	0.16086	-0.13319	0.00393	0.174821	0.00015	-0.23502	2.79E-07	0.048187
0.075977	0.10103	0.02457	0.59637	0.338403	5.64E-14	-0.00887	0.84844	0.20427
0.074112	0.10971	-0.06022	0.19392	0.140508	0.00234	-0.1591	0.00056	0.134972
0.088918	0.05483	0.108258	0.01928	0.321435	1.10E-12	-0.03808	0.41168	0.099366
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0.008638	0.85231	-0.11391	0.01377	0.062246	0.17932	-0.23921	1.68E-07	-0.10335
-0.10183	0.02777	0.070111	0.1303	-0.27498	1.51E-09	0.110023	0.01738	-0.09875
0.005857	0.89954	-0.16997	0.00022	0.110362	0.01704	-0.25606	1.99E-08	0.068885
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0.047606	0.30461	-0.04379	0.34502	0.150519	0.0011	-0.12157	0.00854	0.119752
0.012071	0.79474	-0.07194	0.12057	0.145665	0.0016	-0.20715	6.37E-06	-0.04557

0.055259	0.23331	-0.1036	0.02516	0.185925	5.29E-05	-0.0873	0.05943	0.121009
0.087445	0.05899	-0.08958	0.05303	0.238829	1.76E-07	-0.20477	8.17E-06	0.089291
0.227232	6.96E-07	0.010794	0.81605	0.265194	5.88E-09	-0.11132	0.0161	-0.05464
0.150798	0.00108	0.01155	0.80341	0.322165	9.72E-13	-0.12536	0.00668	0.219202
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-0.11933	0.00985	0.062636	0.1766	-0.18422	6.21E-05	0.149119	0.00123	-0.09406
0.003349	0.94246	-0.09598	0.03814	0.108824	0.01865	-0.14907	0.00123	0.106418
0.013457	0.77178	-0.17243	0.00018	0.130581	0.00471	-0.29832	4.70E-11	0.122823
0.045393	0.32766	-0.0029	0.95013	0.216076	2.44E-06	-0.13923	0.00257	0.056599
0.013311	0.77419	-0.05677	0.22074	0.039406	0.39554	-0.13408	0.0037	-0.09022
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0.044864	0.33334	-0.12452	0.00706	0.13276	0.00405	-0.2727	2.08E-09	-0.05041
0.070993	0.12553	-0.03699	0.42516	0.054563	0.23926	-0.18767	4.48E-05	0.012573
0.010245	0.82524	-0.12378	0.00741	0.032402	0.48485	-0.18768	4.48E-05	-0.07746
0.086711	0.06116	0.169217	0.00024	0.272251	2.22E-09	0.003645	0.93738	-0.00166
0.080783	0.08118	0.013704	0.76772	0.266059	5.23E-09	-0.08444	0.0683	0.055135
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0.038939	0.40117	-0.06537	0.15843	0.047181	0.30895	-0.21037	4.53E-06	-0.00446
0.072156	0.11943	-0.08218	0.07603	0.262148	8.88E-09	-0.15441	0.00081	0.174726
0.077869	0.0928	-0.0575	0.21483	0.114882	0.01298	-0.06246	0.17784	-0.00995
0.066086	0.15391	-0.15645	0.00069	0.011583	0.80285	-0.18922	3.87E-05	0.128435
0.098694	0.03298	-0.06124	0.18645	0.292189	1.21E-10	-0.09903	0.0324	0.220653
0.018708	0.68677	-0.06157	0.18409	0.0807	0.08149	-0.19658	1.88E-05	0.040298
0.124696	0.00698	0.065267	0.15909	0.180184	9.02E-05	-0.04297	0.35415	0.059391
0.125198	0.00675	0.075269	0.10426	0.311112	6.13E-12	-0.01276	0.78335	0.214541
0.128735	0.00533	0.002852	0.95098	0.320772	1.23E-12	-0.04958	0.28502	0.280307
0.010605	0.81921	-0.07668	0.0979	0.053129	0.25185	-0.18281	7.08E-05	-0.04197
0.01806	0.69708	-0.03237	0.48522	0.164314	0.00036	-0.13118	0.00452	-0.01654
-0.0833	0.07212	0.072521	0.11757	-0.12794	0.00563	0.077399	0.0948	-0.10336
-0.00905	0.84527	-0.16251	0.00042	0.101104	0.02892	-0.26765	4.20E-09	-0.01512
0.026617	0.56614	-0.16055	0.0005	0.053854	0.24544	-0.30215	2.58E-11	0.038754
0.132517	0.00412	0.130014	0.00489	0.294979	7.89E-11	0.067845	0.14322	0.056675
0.034684	0.45462	0.064	0.16735	0.104121	0.02444	-0.10114	0.02887	-0.07022
0.051576	0.266	-0.00829	0.85819	0.132603	0.0041	-0.08893	0.0548	0.0279
-0.02282	0.6228	-0.08251	0.07488	0.029422	0.52592	-0.14699	0.00145	0.005924
0.005694	0.90233	-0.11455	0.01325	0.155523	0.00075	-0.16833	0.00026	0.129446
-0.01586	0.73244	-0.14566	0.0016	-0.01492	0.74777	-0.23542	2.65E-07	-0.02063
0.015463	0.73892	-0.024	0.60486	0.200663	1.25E-05	-0.09397	0.04237	0.202092
0.068788	0.13773	0.027359	0.55536	0.21634	2.37E-06	-0.11775	0.01088	0.008947
0.027976	0.54647	-0.20839	5.59E-06	-0.0364	0.43259	-0.24441	8.85E-08	-0.09416
0.021544	0.64238	-0.10607	0.02187	0.05471	0.238	-0.15639	0.0007	-0.04376
-0.11399	0.01371	-0.25941	1.28E-08	-0.10394	0.02469	-0.26577	5.44E-09	0.020566
-0.10676	0.02103	-0.28851	2.10E-10	-0.07767	0.09366	-0.28902	1.95E-10	0.062465
0.128005	0.0056	-0.01033	0.82383	0.197085	1.79E-05	-0.02785	0.54825	0.147076

0.00528	0.9094	0.284817	3.64E-10	0.082927	0.0734	0.4292	2.36E-22	0.043264
-0.07462	0.10731	-0.03649	0.43145	0.128599	0.00538	-0.04312	0.35247	0.164588
-0.05648	0.22313	-0.21089	4.28E-06	-0.01615	0.72782	-0.2163	2.39E-06	-0.01079
0.037376	0.42035	0.09734	0.03548	0.044709	0.33502	0.298379	4.67E-11	0.124585
-0.02546	0.58318	0.254002	2.61E-08	0.02552	0.58225	0.359591	1.06E-15	0.247623
-0.14641	0.00151	0.054103	0.24325	-0.17102	0.0002	0.178365	0.00011	0.070909
-0.00404	0.9306	-0.15525	0.00076	0.112927	0.01462	-0.16403	0.00037	0.152665
-0.14738	0.0014	-0.05058	0.27537	-0.25736	1.68E-08	0.013772	0.76659	-0.13656
-0.1322	0.00421	0.058998	0.20314	-0.19217	2.91E-05	0.082764	0.07397	-0.19696
-0.10931	0.01813	0.153495	0.00087	-0.15419	0.00083	0.22551	8.49E-07	-0.02649
0.009291	0.84129	-0.02255	0.6269	0.16537	0.00033	-0.15503	0.00078	-0.12679
-0.02457	0.59644	-0.08402	0.06967	0.061314	0.18593	-0.12009	0.00939	0.220566
0.0033	0.9433	-0.18373	6.50E-05	0.006454	0.88937	-0.2042	8.67E-06	0.043691
0.010339	0.82367	-0.13955	0.00251	0.079273	0.08704	-0.17813	0.00011	0.093774
0.073962	0.11044	-0.09835	0.03361	0.17384	0.00016	-0.24015	1.50E-07	0.076711
0.119327	0.00985	0.022761	0.6237	0.292852	1.09E-10	-0.11946	0.00977	0.050096
-0.02754	0.55275	-0.02864	0.53698	0.245975	7.27E-08	-0.00331	0.94305	0.199189
0.039857	0.39015	-0.11338	0.01422	0.109932	0.01748	-0.12731	0.00587	0.270519
0.028506	0.53889	-0.04732	0.30756	0.230548	4.73E-07	-0.09263	0.04543	0.116782
0.023714	0.60924	-0.07066	0.12732	0.170761	0.00021	-0.2045	8.41E-06	0.05035
0.004183	0.92816	-0.11381	0.01386	0.000638	0.98903	-0.21221	3.72E-06	0.194941
0.073206	0.11414	0.046163	0.31952	0.329618	2.69E-13	-0.06463	0.16319	0.160765
0.056366	0.22407	-0.15379	0.00085	0.075507	0.10317	-0.28445	3.84E-10	-0.01644
0.098288	0.03371	-0.07673	0.09771	0.224448	9.58E-07	-0.21522	2.69E-06	0.125791
0.090429	0.05083	0.030574	0.50983	0.23431	3.03E-07	-0.1505	0.00111	0.01867
0.053909	0.24495	-0.0692	0.13541	0.217114	2.18E-06	-0.1769	0.00012	0.091797
0.081505	0.07849	-0.01987	0.66845	0.200996	1.21E-05	-0.14062	0.00232	0.151398
0.122771	0.00791	-0.13774	0.00286	0.030014	0.51762	-0.17952	9.59E-05	0.130456
0.055871	0.22817	-0.05448	0.23998	0.11677	0.01156	-0.13475	0.00353	-0.09643
0.090391	0.05092	0.030709	0.50797	0.304293	1.84E-11	-0.09392	0.04249	0.105188
-0.01754	0.70543	0.087643	0.05842	-0.04319	0.35173	0.260893	1.05E-08	0.1051
0.084461	0.06821	-0.09426	0.04174	0.1159	0.0122	-0.23194	4.02E-07	-0.11084
-0.01849	0.69031	-0.16403	0.00037	0.061975	0.18123	-0.31043	6.85E-12	0.1273
0.174039	0.00016	0.198453	1.56E-05	0.440626	1.33E-23	0.069257	0.13506	0.23604
0.066428	0.15178	-0.0488	0.29262	0.065359	0.1585	-0.15181	0.001	0.021915
-0.06226	0.1792	0.020523	0.65823	-0.17942	9.67E-05	0.038086	0.41157	-0.00451
-0.1068	0.02097	0.069248	0.13511	-0.14827	0.00131	0.161215	0.00047	-0.15366
-0.13581	0.00327	0.001599	0.9725	-0.16266	0.00042	0.027515	0.5531	-0.13258
0.108545	0.01896	0.025556	0.58172	0.267395	4.35E-09	-0.11503	0.01287	0.042495
-0.00173	0.97019	-0.11122	0.01619	0.102511	0.02675	-0.26048	1.11E-08	-0.03262
0.005712	0.90202	-0.1143	0.01345	0.118047	0.01068	-0.25228	3.26E-08	0.009528
0.101173	0.02881	-0.04131	0.37307	0.200022	1.33E-05	-0.1458	0.00158	0.145165
0.156935	0.00067	0.108492	0.01902	0.348175	9.36E-15	0.105252	0.02292	0.295367
0.127488	0.0058	0.181325	8.13E-05	0.449392	1.36E-24	0.145643	0.0016	0.244515
0.040631	0.381	-0.03752	0.41861	0.225068	8.93E-07	-0.0993	0.03193	0.185746



0.004701	0.91929	-0.07103	0.12533	-0.00638	0.89063	-0.21554	2.59E-06	0.10925
0.057931	0.21145	-0.08603	0.06323	0.159703	0.00053	-0.24582	7.41E-08	0.010382
0.007945	0.86404	0.006749	0.88435	0.171404	0.0002	-0.01767	0.70338	0.112959
0.021843	0.63776	-0.08507	0.06624	0.20121	1.18E-05	-0.0688	0.13767	0.300645
0.084904	0.06678	0.046917	0.31167	0.297826	5.08E-11	-0.08442	0.06836	0.063327
-0.03973	0.39166	0.09522	0.0397	-0.07554	0.10304	0.115679	0.01236	-0.02765
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-0.00412	0.92932	-0.0703	0.12928	0.167106	0.00029	-0.19283	2.72E-05	0.143613
0.094903	0.04036	-0.03157	0.49612	0.282442	5.16E-10	-0.17696	0.00012	0.112829
0.112125	0.01534	0.191133	3.21E-05	0.41052	2.06E-20	0.103917	0.02472	0.176862
0.015046	0.74572	-0.08679	0.06093	0.107956	0.01962	-0.26407	6.86E-09	-0.07029
0.083403	0.07176	-0.09526	0.03961	0.208448	5.56E-06	-0.19214	2.91E-05	0.102093
0.066105	0.15379	0.005977	0.8975	0.194113	2.40E-05	-0.10481	0.02351	0.026166
-0.03628	0.43412	-0.26058	1.10E-08	-0.03005	0.51711	-0.29245	1.16E-10	-0.00924
0.067764	0.1437	0.148873	0.00125	0.233374	3.39E-07	0.038643	0.40475	0.054384
0.07177	0.12143	-0.06232	0.1788	0.276345	1.24E-09	-0.12979	0.00497	0.279818
-0.16882	0.00025	0.003486	0.94011	-0.31824	1.89E-12	0.063677	0.16951	-0.15795
0.028776	0.53506	-0.04751	0.30557	0.313539	4.12E-12	-0.07935	0.08673	0.185522
-0.06393	0.1678	-0.09108	0.04916	0.15206	0.00098	-0.08663	0.06139	0.263192
0.169172	0.00024	0.089683	0.05277	0.295061	7.79E-11	-0.00095	0.98374	0.071903
0.04155	0.37031	-0.17278	0.00018	0.072284	0.11878	-0.26366	7.24E-09	0.114967
0.094141	0.042	0.08441	0.06838	0.353224	3.61E-15	0.037284	0.42149	0.254781
0.185201	5.66E-05	0.323346	7.94E-13	0.553319	8.23E-39	0.147303	0.00141	0.247005
0.036084	0.43661	-0.12022	0.00931	0.189205	3.87E-05	-0.2695	3.25E-09	0.071725
-0.02172	0.6397	-0.13667	0.00308	-0.11102	0.01639	-0.29301	1.07E-10	-0.13289
-0.20897	5.26E-06	-0.03414	0.46172	-0.26805	3.98E-09	0.024691	0.59457	-0.15171
0.032876	0.47848	-0.10605	0.0219	0.171226	0.0002	-0.19365	2.51E-05	0.141389
-0.00207	0.96435	0.158036	0.00061	-0.06332	0.17195	0.240957	1.36E-07	-0.13339
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0.079137	0.08759	-0.09332	0.04384	0.218125	1.95E-06	-0.21332	3.30E-06	0.123462
0.039882	0.38985	-0.08952	0.05321	0.061293	0.18608	-0.13784	0.00283	0.187705
0.133161	0.00394	0.113508	0.01412	0.304053	1.91E-11	-0.00884	0.84885	0.105229
0.063827	0.16851	-0.09526	0.03962	0.161879	0.00044	-0.1825	7.29E-05	0.183919
0.027837	0.54846	-0.07689	0.097	0.102357	0.02698	-0.1691	0.00024	-0.05899
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0.061025	0.18802	-0.1587	0.00058	0.049503	0.28572	-0.2464	6.90E-08	-0.0189
0.078691	0.08939	-0.10202	0.02749	0.118935	0.0101	-0.10187	0.02772	0.138533
0.108951	0.01851	-0.03374	0.46697	0.110708	0.01669	-0.08218	0.07602	0.158003
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0.024468	0.5979	0.030032	0.51737	0.204729	8.21E-06	-0.08366	0.07089	0.09958
-0.01608	0.72886	-0.03492	0.45157	0.119889	0.00951	-0.19286	2.72E-05	-0.08058
-0.01912	0.68026	-0.16088	0.00048	0.081401	0.07887	-0.23863	1.80E-07	-0.02485
0.001453	0.97502	-0.08696	0.0604	0.068724	0.1381	-0.20422	8.65E-06	-0.07632

0.034578	0.45599	-0.05916	0.20189	0.168455	0.00026	-0.14448	0.00175	0.067534
0.032584	0.4824	-0.06993	0.13131	0.126959	0.00601	-0.22211	1.25E-06	-0.01235
-0.08869	0.05547	-0.12353	0.00753	0.054433	0.24038	-0.19024	3.50E-05	0.11295
-0.02673	0.56452	-0.22058	1.48E-06	-0.0075	0.87163	-0.24506	8.16E-08	0.115872
0.052813	0.25469	-0.04829	0.29771	0.046021	0.32102	-0.16561	0.00033	0.03877
0.157107	0.00066	0.051354	0.26806	0.341234	3.37E-14	-0.10853	0.01897	0.205498
0.054805	0.23719	-0.08306	0.07295	0.249803	4.48E-08	-0.19732	1.75E-05	0.070686
0.018673	0.68732	-0.18261	7.22E-05	-0.00311	0.9466	-0.18837	4.20E-05	0.007289
0.03399	0.46369	-0.16324	0.0004	0.060523	0.19169	-0.2182	1.93E-06	0.070377
0.005409	0.9072	-0.07866	0.08953	0.132744	0.00406	-0.1872	4.69E-05	0.110902
0.017496	0.7061	0.026454	0.56851	0.239927	1.54E-07	0.029257	0.52824	0.301299
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0.028906	0.53321	-0.0704	0.1287	0.18875	4.04E-05	-0.22784	6.49E-07	0.10367
0.141117	0.00224	-0.01696	0.71472	0.224334	9.71E-07	-0.13136	0.00446	0.046973
0.035634	0.44234	-0.02946	0.52532	0.175542	0.00014	-0.10341	0.02544	0.070586
0.016947	0.71492	-0.12864	0.00537	0.084104	0.06939	-0.22629	7.76E-07	0.037068
0.039119	0.39899	-0.00521	0.91067	0.172146	0.00019	-0.13332	0.0039	0.047479
0.05159	0.26587	-0.12458	0.00703	0.102488	0.02678	-0.17719	0.00012	0.128294
0.009434	0.83888	-0.0515	0.2667	0.17723	0.00012	-0.20233	1.05E-05	0.003718
0.071369	0.12353	0.01998	0.66672	0.258181	1.51E-08	-0.03185	0.49236	0.088205
0.06827	0.14073	-0.04818	0.29884	0.128669	0.00536	-0.11925	0.0099	0.209767
-0.06302	0.17398	-0.13112	0.00454	0.00149	0.97437	-0.26522	5.86E-09	-0.01377
-0.09219	0.04646	-0.0964	0.0373	-0.28477	3.66E-10	0.050741	0.27383	0.055171
0.042933	0.35459	-0.19521	2.16E-05	0.076549	0.09849	-0.30136	2.93E-11	0.117146
0.056269	0.22487	-0.08907	0.05443	0.215129	2.71E-06	-0.23639	2.36E-07	0.055051
0.01874	0.68627	-0.08844	0.05616	0.106349	0.02153	-0.23137	4.30E-07	0.024715
0.141835	0.00212	0.094053	0.0422	0.441204	1.15E-23	0.146428	0.00151	0.370331
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0.029088	0.53063	-0.09549	0.03914	0.206222	7.02E-06	-0.18526	5.63E-05	0.025343
0.071207	0.12439	-0.07414	0.10957	0.139221	0.00257	-0.21547	2.61E-06	0.03395
0.073639	0.112	-0.05229	0.25946	0.136805	0.00305	-0.09683	0.03646	0.166082
0.037157	0.42308	-0.15055	0.0011	0.13295	0.004	-0.27082	2.71E-09	0.180164
0.022957	0.62071	-0.03588	0.43919	0.123752	0.00742	-0.13545	0.00336	0.027598
0.015238	0.74258	-0.11449	0.0133	0.021536	0.6425	-0.13398	0.00372	0.169106
0.163872	0.00038	-0.00876	0.85024	0.195074	2.18E-05	-0.08713	0.0599	0.153539
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0.122861	0.00786	-0.02228	0.63103	0.303916	1.95E-11	-0.07893	0.08841	0.274988
0.054776	0.23743	-0.11593	0.01218	0.192989	2.68E-05	-0.26571	5.48E-09	0.095524
-0.11773	0.01089	-0.06744	0.14561	-0.23288	3.60E-07	0.002953	0.94925	-0.11911
0.069611	0.13307	-0.12721	0.00591	0.178968	0.0001	-0.19237	2.85E-05	0.164223
-0.07789	0.09272	-0.2985	4.58E-11	-0.11633	0.01188	-0.32528	5.70E-13	0.054324
0.006944	0.88104	-0.17412	0.00016	0.080666	0.08162	-0.33081	2.18E-13	0.076353
0.049078	0.28988	0.032188	0.48774	0.291614	1.32E-10	-0.06167	0.18337	0.121383
0.189833	3.64E-05	0.185511	5.50E-05	0.480581	2.33E-28	0.17663	0.00012	0.125545
0.099359	0.03182	0.08275	0.07402	0.273805	1.78E-09	-0.0672	0.14705	0.066109

-0.03186	0.49223	0.024776	0.5933	0.242421	1.13E-07	-0.08109	0.08003	0.083542
-0.07858	0.08984	-0.29525	7.56E-11	-0.0649	0.16142	-0.28637	2.89E-10	0.054399
0.036677	0.42909	-0.02754	0.55273	0.184915	5.82E-05	-0.10484	0.02347	-0.0305
0.099453	0.03165	0.167549	0.00028	0.291923	1.26E-10	0.038797	0.40289	0.139372
-0.08774	0.05815	0.005485	0.9059	-0.20516	7.85E-06	0.151843	0.001	-0.01225
0.127988	0.00561	-0.07156	0.12253	0.224688	9.32E-07	-0.18193	7.69E-05	0.132507
0.104856	0.02344	0.054367	0.24096	0.307273	1.14E-11	-0.07234	0.11851	0.193336
0.023452	0.6132	-0.00467	0.91986	0.166012	0.00031	-0.12982	0.00496	-0.01781
0.057445	0.21531	0.017688	0.70302	0.161137	0.00047	-0.10763	0.01999	0.103927
0.100691	0.02958	0.019768	0.67005	0.260863	1.06E-08	-0.13487	0.0035	-0.03896
0.046026	0.32095	-0.08021	0.08336	0.102619	0.02659	-0.14559	0.00161	0.200587
0.040458	0.38304	-0.1631	0.0004	0.042774	0.35637	-0.28824	2.19E-10	0.107365
0.053683	0.24693	-0.19774	1.67E-05	0.087175	0.05978	-0.28137	6.03E-10	0.008513
-0.04282	0.35591	-0.23366	3.28E-07	0.071622	0.1222	-0.29254	1.15E-10	0.127101
0.040276	0.38518	-0.03542	0.4451	0.083974	0.06983	-0.1317	0.00436	0.152554
0.03864	0.40479	0.055248	0.23341	0.264498	6.47E-09	-0.03337	0.47195	0.061141
0.039341	0.39632	0.019449	0.67507	0.179076	9.98E-05	-0.10429	0.02421	0.040921
0.033681	0.46777	-0.06097	0.18845	0.103961	0.02466	-0.21029	4.57E-06	0.013149
0.090856	0.04974	-0.10948	0.01795	0.24409	9.21E-08	-0.20418	8.69E-06	0.189631
0.097786	0.03464	-0.11361	0.01403	0.054036	0.24384	-0.26706	4.56E-09	-0.14234
0.075791	0.10188	0.014246	0.75881	0.274101	1.71E-09	-0.14754	0.00139	0.073531
0.1826	7.22E-05	0.104566	0.02383	0.356546	1.91E-15	-0.06461	0.16331	0.03454
-0.16999	0.00022	0.015025	0.74605	-0.25607	1.99E-08	-0.00466	0.92	-0.24772
-0.04067	0.38052	0.096098	0.0379	-0.12755	0.00577	0.141239	0.00222	-0.02387
0.003755	0.93549	-0.19635	1.92E-05	0.101922	0.02764	-0.28097	6.39E-10	0.098968
0.007439	0.87262	-0.04172	0.36838	0.134005	0.00372	-0.10866	0.01883	0.104689
0.044946	0.33246	-0.15891	0.00057	0.16237	0.00043	-0.2493	4.78E-08	0.075761
-0.12436	0.00713	-0.02807	0.54505	-0.1867	4.92E-05	0.109819	0.0176	-0.14325
0.074138	0.10959	-0.00957	0.83663	0.193259	2.61E-05	-0.14998	0.00115	-0.07317
0.139054	0.0026	-0.00324	0.94436	0.29127	1.39E-10	-0.15676	0.00068	0.159535
-0.11385	0.01383	0.024715	0.59422	-0.16718	0.00028	0.067059	0.14792	0.087082
0.006571	0.88737	-0.02337	0.61447	0.158846	0.00057	-0.1784	0.00011	-0.09384
0.030869	0.50576	0.012136	0.79366	0.215206	2.69E-06	-0.04626	0.3185	0.180929
0.095277	0.03958	-0.02053	0.65809	0.344544	1.84E-14	-0.10768	0.01994	0.202291
-0.01824	0.69425	-0.11726	0.01122	0.036469	0.43172	-0.19582	2.03E-05	-0.08882
0.086624	0.06142	0.191233	3.18E-05	0.365448	3.35E-16	0.15462	0.0008	0.207202
0.079043	0.08796	-0.02511	0.58835	0.202813	1.00E-05	-0.11666	0.01164	0.226624
0.050292	0.27811	-0.17042	0.00022	0.123708	0.00744	-0.28067	6.67E-10	0.167074
-0.01708	0.71283	-0.08724	0.05958	0.144993	0.00168	-0.28194	5.55E-10	0.057107
-0.01181	0.79903	-0.17679	0.00012	0.090267	0.05124	-0.23572	2.56E-07	0.057193
0.100174	0.03043	-0.07917	0.08744	0.239868	1.55E-07	-0.10804	0.01953	0.259867
-0.06498	0.16096	-0.23838	1.86E-07	-0.03216	0.48809	-0.35946	1.09E-15	-0.03912
0.045109	0.3307	-0.10051	0.02987	0.086745	0.06106	-0.27074	2.74E-09	-0.03838
0.156364	0.0007	0.198887	1.49E-05	0.450066	1.14E-24	0.01892	0.68341	0.193922
0.083004	0.07313	0.039767	0.39122	0.282656	5.00E-10	-0.06974	0.13234	0.0943

0.111674	0.01576	-0.08692	0.06054	0.184184	6.23E-05	-0.13146	0.00443	0.204858
0.065592	0.15702	-0.17204	0.00019	0.13941	0.00253	-0.22829	6.16E-07	0.196102
-0.00978	0.83312	-0.1243	0.00716	-0.02086	0.65296	-0.27002	3.03E-09	-0.1321
0.035623	0.44249	-0.089	0.0546	0.167924	0.00027	-0.16764	0.00027	0.194117
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0.076611	0.09822	-0.14523	0.00165	0.128822	0.0053	-0.24631	6.97E-08	0.106627
-0.14358	0.00187	-0.2013	1.17E-05	-0.06493	0.16127	-0.14956	0.00119	0.157314
0.060688	0.19048	-0.08714	0.0599	0.226256	7.79E-07	-0.18912	3.90E-05	0.201167
0.065133	0.15995	-0.06227	0.17913	0.225998	8.03E-07	-0.1759	0.00013	0.099915
0.029981	0.51808	-0.10304	0.02597	0.144775	0.00171	-0.23748	2.07E-07	0.093099
-0.03408	0.46249	-0.23695	2.21E-07	-0.0445	0.33728	-0.28082	6.53E-10	0.060534
0.029301	0.52763	-0.08241	0.07523	0.117304	0.01118	-0.08743	0.05903	0.067155
0.035119	0.44897	-0.01291	0.78083	0.206526	6.80E-06	-0.09561	0.03889	0.004296
0.068025	0.14216	-0.05127	0.26885	0.120381	0.00922	-0.14434	0.00176	-0.03984
0.011762	0.79987	-0.01063	0.81872	0.193234	2.62E-05	-0.06683	0.14934	0.170869
-0.03836	0.40822	-0.14459	0.00173	0.106715	0.02108	-0.25508	2.27E-08	0.15759
-0.14301	0.00195	-0.01192	0.79719	-0.25813	1.52E-08	0.08934	0.05369	-0.09182
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0.070992	0.12553	0.030977	0.50427	0.258181	1.51E-08	-0.09207	0.04675	0.195656
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0.023645	0.61028	-0.08116	0.07974	0.063744	0.16906	-0.21411	3.03E-06	0.021915
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0.022719	0.62434	-0.02768	0.5507	0.23777	2.00E-07	-0.16614	0.00031	0.215121
0.012349	0.79012	-0.10053	0.02984	0.168024	0.00027	-0.22465	9.36E-07	0.10493
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0.047379	0.30692	-0.06854	0.13914	0.283394	4.49E-10	-0.11586	0.01223	0.202975
0.015884	0.73208	-0.19138	3.14E-05	0.029533	0.52436	-0.28708	2.60E-10	0.1012
0.083599	0.07109	-0.05321	0.25116	0.21452	2.90E-06	-0.1547	0.0008	0.09726
-0.00628	0.89233	-0.17583	0.00013	0.019066	0.68111	-0.24532	7.89E-08	-0.00931
0.056305	0.22457	-0.04565	0.32495	0.217402	2.11E-06	-0.13805	0.00279	0.086957
-0.13669	0.00308	0.076663	0.09799	-0.12328	0.00765	0.14498	0.00168	-0.15428
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-0.06815	0.14144	0.09747	0.03523	-0.1611	0.00047	0.09314	0.04425	-0.15382
0.097531	0.03511	-0.04661	0.31484	0.213458	3.25E-06	-0.21827	1.92E-06	0.038864
0.093387	0.04368	0.001553	0.9733	0.295108	7.73E-11	-0.16513	0.00034	0.185856
0.052423	0.25822	-0.05883	0.20443	0.128026	0.00559	-0.12809	0.00557	0.018666
0.094536	0.04115	-0.04689	0.31194	0.188482	4.15E-05	-0.17219	0.00018	0.026352
0.019906	0.66788	-0.16503	0.00034	0.099349	0.03183	-0.26644	4.96E-09	-0.00442
-0.0052	0.91084	0.052689	0.25581	0.136986	0.00301	-0.10132	0.02857	-0.09935
-0.02225	0.63144	-0.06959	0.1332	0.120621	0.00908	-0.0712	0.12441	0.134955
-0.04312	0.35251	0.133891	0.00375	-0.17697	0.00012	0.143854	0.00183	-0.33126
-0.03256	0.48275	0.070104	0.13034	-0.17793	0.00011	0.183452	6.67E-05	0.128878
-0.10897	0.01849	0.028453	0.53964	-0.24889	5.03E-08	0.012616	0.78569	-0.27583
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0.022336	0.63019	-0.03567	0.44191	0.138529	0.0027	-0.09683	0.03645	0.053584
0.029141	0.52988	-0.12964	0.00502	0.103012	0.02601	-0.18035	8.88E-05	0.070514
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0.030609	0.50935	-0.11214	0.01532	0.161094	0.00047	-0.18456	6.02E-05	0.231279
0.005049	0.91335	0.239995	1.53E-07	0.02847	0.53941	0.292076	1.23E-10	0.102902
-0.04764	0.30431	-0.04025	0.3855	-0.11034	0.01706	0.020402	0.66011	0.050308
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0.077181	0.09573	0.047719	0.30346	0.162124	0.00044	-0.02649	0.56802	0.248115
0.079905	0.08455	0.007124	0.87797	0.329854	2.58E-13	-0.00406	0.93022	0.273231
0.088159	0.05695	0.041924	0.36601	0.168007	0.00027	-0.06416	0.16629	-0.00988
0.000263	0.99547	-0.0786	0.08977	0.068462	0.13961	-0.1685	0.00025	-0.07918
0.109286	0.01815	0.057616	0.21395	0.320649	1.26E-12	-0.08424	0.06894	0.000591
0.074928	0.10585	-0.07897	0.08825	0.142311	0.00205	-0.2266	7.49E-07	0.063214
0.157128	0.00066	-0.0453	0.32866	0.23705	2.18E-07	-0.11394	0.01376	0.201437
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-0.01292	0.78058	-0.10979	0.01763	0.060304	0.19331	-0.22848	6.02E-07	-0.07678
0.060484	0.19197	-0.15049	0.00111	0.127266	0.00589	-0.22971	5.22E-07	0.135222
0.04682	0.31268	-0.00799	0.86328	0.189314	3.83E-05	-0.07421	0.10925	0.119372
-0.01165	0.80176	-0.2361	2.45E-07	-0.06333	0.17185	-0.33256	1.60E-13	-0.09708
-0.04198	0.36538	-0.23938	1.64E-07	-0.01982	0.66928	-0.23601	2.47E-07	0.046713
-0.02177	0.63884	-0.08741	0.0591	0.089976	0.052	-0.17162	0.00019	0.051579
-0.06574	0.15607	-0.13207	0.00425	0.052986	0.25313	-0.17727	0.00012	0.081195
0.097626	0.03493	-0.05231	0.25924	0.256039	2.00E-08	-0.16488	0.00035	0.093186
0.018591	0.68863	-0.1026	0.02661	0.035006	0.45044	-0.14206	0.00209	-0.03909
0.06721	0.14701	-0.1039	0.02474	0.196608	1.88E-05	-0.19675	1.85E-05	0.078148
-0.04581	0.32321	-0.10999	0.01742	-0.0206	0.657	-0.17468	0.00015	-0.02819
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-0.06496	0.16104	-0.15546	0.00075	0.041094	0.37559	-0.23925	1.67E-07	0.017966
0.020932	0.65185	-0.1149	0.01297	0.132141	0.00423	-0.17195	0.00019	0.20947
-0.00607	0.89586	0.089607	0.05297	-0.08556	0.06467	0.184087	6.29E-05	-0.12017
0.08344	0.07163	0.252374	3.22E-08	0.046551	0.31547	0.320339	1.32E-12	-0.01957
-0.01726	0.70993	-0.07004	0.13071	0.15175	0.001	-0.1627	0.00042	0.066478
0.076323	0.09949	-0.04955	0.28523	0.189391	3.80E-05	-0.18146	8.03E-05	0.137634
0.039397	0.39565	-0.09027	0.05123	0.157998	0.00061	-0.14437	0.00176	0.063617
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0.012123	0.79387	-0.10941	0.01802	-0.01477	0.75029	-0.20257	1.03E-05	0.058251
0.07224	0.119	-0.11586	0.01223	0.114753	0.01309	-0.20574	7.39E-06	0.132576
-0.00403	0.93085	-0.04602	0.32104	0.131667	0.00437	0.016135	0.72801	0.179195
0.025833	0.57763	-0.02966	0.52255	0.053186	0.25135	-0.16332	0.00039	-0.11705
0.100955	0.02915	-0.03298	0.47704	0.218694	1.83E-06	-0.1038	0.02488	0.092493
0.074823	0.10634	-0.0269	0.56202	0.156317	0.0007	-0.07871	0.08933	0.121398
0.060291	0.1934	0.032826	0.47915	0.211171	4.16E-06	-0.08843	0.05618	0.009846
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0.006781	0.88381	-0.15985	0.00053	0.03675	0.42818	-0.1668	0.00029	0.03016

0.079186	0.08739	0.010788	0.81615	0.288812	2.01E-10	-0.03006	0.51698	0.266321
0.023552	0.61169	0.028398	0.54044	0.247451	6.04E-08	0.09267	0.04533	0.335331
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0.029815	0.5204	-0.10614	0.02179	0.17964	9.48E-05	-0.19857	1.54E-05	-0.03683
0.091598	0.04789	0.004633	0.92046	0.280792	6.56E-10	-0.13713	0.00298	0.127905
0.05786	0.21201	0.011147	0.81013	0.106469	0.02138	-0.13506	0.00345	0.045476
0.018746	0.68618	-0.10449	0.02393	0.182663	7.18E-05	-0.2145	2.90E-06	0.176314
0.076873	0.09706	0.028205	0.54318	0.133342	0.00389	-0.01149	0.8044	0.175797
0.042214	0.36271	-0.14209	0.00208	0.173771	0.00016	-0.20008	1.32E-05	0.172388
0.037614	0.4174	-0.06815	0.14142	0.25755	1.64E-08	-0.08918	0.05411	0.212361
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0.039554	0.39376	0.360291	9.24E-16	0.208175	5.72E-06	0.452221	6.42E-25	0.169007
0.003236	0.94439	0.234199	3.07E-07	-0.02196	0.63595	0.307918	1.03E-11	0.004344
0.007535	0.871	-0.13807	0.00279	0.076108	0.10045	-0.21132	4.09E-06	0.063405
0.036813	0.42739	-0.14035	0.00237	0.089969	0.05202	-0.32798	3.57E-13	-0.03757
0.154096	0.00083	0.02021	0.66312	0.299248	4.07E-11	-0.02392	0.6062	0.154077
-0.06066	0.19072	-0.04506	0.3312	0.019829	0.66909	-0.1812	8.22E-05	-0.04513
0.070953	0.12574	0.066557	0.15099	0.290281	1.61E-10	-0.08503	0.06636	0.027231
-0.0086	0.85287	-0.17607	0.00013	0.024641	0.59532	-0.2218	1.29E-06	0.07758
0.035784	0.44042	-0.19293	2.70E-05	0.150234	0.00113	-0.25626	1.94E-08	0.196944
-0.12039	0.00921	-0.06603	0.15423	-0.29684	5.92E-11	-0.06098	0.18835	-0.31066
0.074612	0.10733	-0.05859	0.2063	0.272928	2.02E-09	-0.1816	7.92E-05	0.204648
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-0.12205	0.00828	0.020339	0.66109	-0.23215	3.92E-07	0.013997	0.7629	-0.14882
0.023219	0.61674	-0.11	0.0174	0.1411	0.00224	-0.20242	1.04E-05	0.094498
0.063204	0.17271	-0.13265	0.00408	0.119544	0.00972	-0.27867	8.91E-10	0.110449
0.012727	0.78385	-0.08874	0.05534	0.058931	0.20366	-0.14925	0.00122	0.101705
0.020606	0.65694	-0.09555	0.03901	0.175072	0.00014	-0.19042	3.44E-05	0.033969
-0.16603	0.00031	-0.01813	0.696	-0.16975	0.00023	0.09161	0.04787	0.049415
0.033947	0.46427	-0.00495	0.91511	0.174162	0.00016	-0.11561	0.01242	0.072495
-0.07796	0.0924	0.009134	0.84393	-0.26229	8.71E-09	0.089122	0.05428	-0.18979
0.077806	0.09306	-0.03564	0.44225	0.288446	2.12E-10	-0.11205	0.01541	0.219022
-0.01146	0.80491	-0.17647	0.00013	0.05026	0.27841	-0.21955	1.67E-06	0.008015
-0.12426	0.00718	0.051732	0.26455	-0.23084	4.57E-07	0.130498	0.00473	-0.02364
-0.10559	0.02249	0.09455	0.04112	-0.10398	0.02463	0.219964	1.59E-06	-0.00538
-0.11355	0.01408	0.12621	0.00631	-0.17618	0.00013	0.121126	0.00879	-0.12065
0.055762	0.22908	-0.05261	0.25656	0.246468	6.84E-08	-0.10468	0.02368	0.262748
0.002698	0.95363	-0.18386	6.42E-05	0.023954	0.60562	-0.21728	2.14E-06	0.054663
-0.03087	0.5058	-0.23852	1.83E-07	0.05442	0.2405	-0.29027	1.61E-10	0.10167
-0.11544	0.01255	0.028217	0.54302	-0.18735	4.62E-05	0.094458	0.04132	-0.04637
0.165089	0.00034	0.103984	0.02463	0.373909	6.07E-17	0.024441	0.59831	0.089627
-0.01113	0.81037	-0.17124	0.0002	0.083064	0.07292	-0.2535	2.78E-08	0.024668
0.00951	0.8376	-0.04927	0.28804	0.120214	0.00931	-0.07716	0.09583	0.146399
0.093636	0.04312	-0.01474	0.75073	0.304523	1.77E-11	-0.18254	7.26E-05	0.108778
0.064752	0.16241	-0.09513	0.03989	0.177388	0.00012	-0.18732	4.64E-05	0.259565

-0.0693	0.1348	-0.00062	0.98936	-0.20316	9.66E-06	0.07087	0.12618	-0.04967
0.218368	1.90E-06	0.210405	4.51E-06	0.432469	1.05E-22	0.092288	0.04623	0.082095
0.137091	0.00299	0.061582	0.18401	0.256914	1.78E-08	0.019164	0.67957	0.186871
0.039132	0.39883	-0.26024	1.15E-08	-0.04235	0.36113	-0.36062	8.66E-16	-0.02201
0.05635	0.2242	0.030516	0.51064	0.332264	1.69E-13	-0.06676	0.14973	0.274633
0.00099	0.98297	-0.1427	0.00199	0.130281	0.0048	-0.21803	1.97E-06	0.017086
-0.08182	0.07732	-0.00617	0.89419	-0.13805	0.00279	0.091388	0.04841	0.04473
-0.04038	0.38392	-0.06447	0.16427	0.109412	0.01802	-0.1047	0.02365	0.18646
-0.02597	0.57566	-0.28125	6.14E-10	-0.07848	0.09026	-0.25618	1.96E-08	0.140219
0.104947	0.02332	0.011948	0.79678	0.256839	1.80E-08	-0.11753	0.01103	0.091922
0.053676	0.24699	-0.09312	0.04429	0.208362	5.61E-06	-0.21872	1.83E-06	0.224093
0.040635	0.38095	-0.13194	0.00429	0.149724	0.00117	-0.27064	2.78E-09	0.025325
-0.14418	0.00179	-0.2267	7.41E-07	-0.12279	0.0079	-0.29443	8.59E-11	-0.06905
-0.02853	0.5386	0.196972	1.81E-05	0.019006	0.68206	0.287428	2.47E-10	0.462016
0.119917	0.00949	0.092986	0.0446	0.279254	8.19E-10	0.02844	0.53983	0.196711
0.037484	0.419	0.162699	0.00042	0.346123	1.37E-14	0.165793	0.00032	0.308539
-0.06025	0.19367	-0.13709	0.00299	0.102401	0.02691	-0.30173	2.76E-11	0.104686
-0.09159	0.04791	-0.29814	4.84E-11	-0.04796	0.301	-0.33715	7.06E-14	0.035191
0.070807	0.12652	-0.04593	0.32199	0.061034	0.18796	-0.12493	0.00687	0.017539
-0.10379	0.0249	-0.0903	0.05116	-0.23585	2.52E-07	-0.01478	0.75002	-0.09992
0.088986	0.05465	0.116548	0.01172	0.311532	5.72E-12	-0.02531	0.58532	0.238803
-0.00568	0.90261	-0.15552	0.00075	0.076011	0.10088	-0.31344	4.19E-12	0.000889
-0.0491	0.28962	-0.31526	3.10E-12	-0.02809	0.54485	-0.36268	5.78E-16	0.085303
-0.00725	0.87582	-0.0749	0.10598	0.091949	0.04704	-0.12	0.00944	-0.07908
0.055694	0.22965	-0.043	0.3538	0.214234	2.99E-06	-0.14626	0.00153	0.069583
-0.03898	0.40064	-0.11249	0.01501	0.01472	0.75104	-0.16018	0.00051	0.097098
0.083848	0.07025	0.060049	0.19519	0.194578	2.29E-05	-0.10006	0.03063	-0.07789
0.085586	0.06461	0.037777	0.41538	0.152052	0.00098	-0.10894	0.01853	-0.03074
-0.02202	0.63512	-0.15613	0.00071	0.105184	0.02301	-0.17733	0.00012	0.049525
0.02292	0.62127	0.064247	0.16572	0.207685	6.02E-06	-0.09128	0.04867	-0.07546
-0.04611	0.32006	-0.13659	0.0031	0.076258	0.09978	-0.1663	0.00031	0.083908
0.069896	0.13149	-0.04862	0.29438	0.16495	0.00034	-0.19046	3.43E-05	0.000451
0.106912	0.02084	-0.02478	0.59329	0.065351	0.15855	-0.125	0.00684	-0.03213
0.027277	0.55654	-0.08906	0.05446	0.224806	9.20E-07	-0.19249	2.82E-05	0.093105
0.020587	0.65723	0.121899	0.00836	0.025972	0.57558	0.239737	1.58E-07	0.11926
0.008318	0.85772	-0.07346	0.1129	0.131027	0.00457	-0.20152	1.14E-05	0.12423
0.024444	0.59826	-0.14727	0.00142	0.070489	0.12824	-0.15148	0.00102	0.230902
0.006664	0.8858	-0.12103	0.00884	0.113887	0.0138	-0.23042	4.80E-07	0.064226
0.055061	0.235	-0.02306	0.61915	0.111666	0.01577	-0.13205	0.00426	0.030874
-0.11408	0.01363	0.065224	0.15936	-0.1832	6.83E-05	0.106862	0.0209	-0.01099
-0.05874	0.20512	0.193115	2.65E-05	-0.12249	0.00805	0.274371	1.65E-09	-0.09476
-0.08866	0.05555	-0.02148	0.64338	-0.21567	2.55E-06	0.053928	0.24478	-0.09396
-0.08666	0.06131	0.251243	3.73E-08	-0.0397	0.39202	0.322035	9.93E-13	-0.04181
0.016449	0.72293	-0.23842	1.85E-07	0.009545	0.837	-0.28787	2.31E-10	-0.01345
0.064896	0.16148	0.057154	0.21765	0.095763	0.03858	-0.06579	0.15577	-0.08973

-0.05503	0.23529	-0.13798	0.00281	0.08475	0.06727	-0.16054	0.0005	0.059069
0.129838	0.00495	0.056517	0.22282	0.334697	1.10E-13	-0.081	0.08036	0.164955
0.04972	0.28361	-0.12551	0.00661	0.176739	0.00012	-0.1975	1.72E-05	0.191709
0.025263	0.58606	-0.03538	0.44555	0.124489	0.00707	-0.06803	0.14213	0.055808
0.064431	0.16451	-0.1204	0.0092	0.221031	1.41E-06	-0.22414	9.93E-07	0.238715
0.044252	0.33998	-0.12156	0.00855	0.172748	0.00018	-0.20802	5.82E-06	0.135583
0.000773	0.98672	-0.02186	0.63747	0.140906	0.00227	-0.12651	0.00619	-0.17888
0.130576	0.00471	0.029796	0.52067	0.28776	2.35E-10	-0.08557	0.06465	0.142899
0.066325	0.15242	0.051548	0.26626	0.344773	1.76E-14	-0.07243	0.11803	0.165717
-0.16921	0.00024	-0.03283	0.4791	-0.30611	1.38E-11	0.034588	0.45587	-0.18672
0.031956	0.49089	-0.10581	0.02221	0.211618	3.97E-06	-0.23748	2.07E-07	0.106486
0.052395	0.25847	-0.12727	0.00589	0.188518	4.13E-05	-0.17173	0.00019	0.142406
0.112927	0.01462	-0.09206	0.04677	0.206512	6.81E-06	-0.25665	1.85E-08	0.107178
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0.075204	0.10456	-0.04063	0.38097	0.244007	9.30E-08	-0.19194	2.97E-05	0.016798
0.005966	0.89769	-0.13384	0.00376	0.166963	0.00029	-0.25294	2.99E-08	0.236786
0.008702	0.85122	-0.06802	0.14218	-0.04801	0.30055	-0.17427	0.00015	-0.0893
0.130463	0.00475	0.003404	0.94151	0.201298	1.17E-05	-0.09165	0.04778	0.198255
-0.02319	0.61712	-0.11122	0.0162	0.074661	0.1071	-0.14519	0.00166	-0.03776
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-0.0198	0.66956	-0.04142	0.3718	0.038134	0.41098	-0.15971	0.00053	-0.14529
0.137305	0.00295	0.066915	0.1488	0.192291	2.87E-05	-0.00866	0.85199	0.016931
0.276747	1.17E-09	0.100397	0.03006	0.328668	3.17E-13	0.079009	0.0881	0.117481
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0.083063	0.07293	-0.08862	0.05565	0.247143	6.28E-08	-0.20632	6.96E-06	0.163114
-0.06347	0.17089	-0.09222	0.0464	0.019024	0.68177	-0.2662	5.13E-09	-0.10966
-0.02493	0.59101	0.228248	6.19E-07	0.113728	0.01393	0.359666	1.04E-15	0.268737
-0.12787	0.00565	-0.17297	0.00017	0.050093	0.28001	-0.17233	0.00018	0.169794
0.044368	0.33872	0.013025	0.77892	-0.07916	0.08751	0.099786	0.03108	-0.04074
0.039888	0.38978	-0.10321	0.02572	0.156986	0.00066	-0.10971	0.01771	0.238501
0.090333	0.05107	0.02637	0.56975	0.298034	4.92E-11	0.008712	0.85107	0.221587
0.015307	0.74146	-0.16454	0.00036	0.02656	0.56696	-0.22377	1.04E-06	0.171024
0.084406	0.0684	-0.01785	0.70043	0.274964	1.51E-09	-0.14824	0.00132	0.105282
0.053115	0.25198	8.57E-05	0.99853	0.200193	1.31E-05	-0.15627	0.0007	0.020229
0.035307	0.44655	-0.1275	0.00579	0.120546	0.00912	-0.20456	8.35E-06	0.195574
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0.094215	0.04184	-0.11205	0.01541	0.167911	0.00027	-0.25243	3.20E-08	0.064131
0.009738	0.83376	-0.14296	0.00196	0.155434	0.00075	-0.27273	2.07E-09	0.073153
0.007972	0.86358	-0.06584	0.15548	0.121031	0.00884	-0.18975	3.67E-05	0.130221
0.024253	0.60112	-0.16643	0.0003	-0.01572	0.73476	-0.26666	4.82E-09	-0.12843
0.051509	0.26663	-0.01745	0.70677	0.269803	3.12E-09	-0.18939	3.80E-05	0.12424
0.02963	0.52299	-0.11978	0.00957	0.127604	0.00575	-0.18589	5.31E-05	0.171053
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0.086046	0.06318	-0.00739	0.87345	0.200527	1.26E-05	-0.10324	0.02569	0.099774



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0.001348	0.97682	-0.15429	0.00082	0.092458	0.04583	-0.24971	4.53E-08	-0.00595
0.009227	0.84237	-0.11628	0.01191	0.103545	0.02524	-0.23525	2.71E-07	0.018555
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0.016122	0.72822	-0.0542	0.24244	0.155488	0.00075	-0.13945	0.00253	0.078612
0.076325	0.09948	0.156512	0.00069	0.291882	1.27E-10	0.137129	0.00298	0.203446
0.005535	0.90504	-0.11792	0.01076	0.169822	0.00023	-0.20188	1.10E-05	0.148382
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0.000928	0.98404	0.050855	0.27275	0.198425	1.56E-05	0.022026	0.63495	0.121149
0.082408	0.07522	-0.02932	0.5273	0.27071	2.75E-09	-0.15377	0.00086	0.198386
0.051072	0.27071	-0.19228	2.87E-05	0.062466	0.17779	-0.23153	4.21E-07	0.120611
0.103764	0.02493	-0.16479	0.00035	0.076004	0.10092	-0.25913	1.33E-08	0.03266
0.11737	0.01114	0.086891	0.06062	0.315077	3.19E-12	-0.04401	0.3426	0.088205
0.068146	0.14145	-0.03054	0.51034	0.253268	2.87E-08	-0.12474	0.00695	0.12966
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0.069122	0.13582	-0.10357	0.02521	0.218984	1.77E-06	-0.16219	0.00043	0.212393
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0.015576	0.73708	-0.01023	0.82557	0.177775	0.00011	-0.14243	0.00203	0.073343
0.051923	0.26279	-0.13493	0.00348	0.152855	0.00092	-0.23613	2.44E-07	0.181171
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0.055293	0.23303	-0.05559	0.23055	0.205246	7.78E-06	-0.07748	0.09446	0.271339
0.121807	0.00841	-0.09246	0.04583	0.153244	0.00089	-0.15446	0.00081	-0.0566
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0.077523	0.09426	-0.04723	0.3084	0.248496	5.29E-08	-0.20941	5.02E-06	0.042457
-0.00883	0.84907	0.08891	0.05486	-0.17613	0.00013	0.125567	0.00659	-0.09487
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0.047494	0.30575	-0.04041	0.38361	0.175503	0.00014	-0.12866	0.00536	-0.05238
0.062228	0.17945	-0.15691	0.00067	0.063021	0.17396	-0.23683	2.24E-07	0.021283
0.012051	0.79506	-0.0565	0.22297	0.197164	1.77E-05	-0.15582	0.00073	0.146865
0.00277	0.95239	-0.07123	0.12427	0.156117	0.00071	-0.11993	0.00948	0.180947
0.030496	0.51092	-0.11889	0.01013	0.169227	0.00024	-0.23559	2.60E-07	0.065867
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0.009635	0.83549	-0.16407	0.00037	0.114193	0.01354	-0.29341	1.00E-10	0.131
0.123265	0.00766	0.009138	0.84386	0.240402	1.45E-07	-0.16645	0.0003	0.059536
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0.073914	0.11067	-0.10269	0.02648	0.200182	1.31E-05	-0.20819	5.71E-06	0.176253
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0.046413	0.3169	-0.09293	0.04474	0.148121	0.00133	-0.22387	1.02E-06	0.14681
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0.102784	0.02634	-0.00178	0.96943	0.208065	5.79E-06	-0.13034	0.00479	0.053798
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0.147857	0.00135	0.049961	0.28128	0.396226	5.26E-19	-0.01734	0.70853	0.171714
-0.01071	0.81748	-0.17492	0.00015	0.134453	0.0036	-0.23739	2.10E-07	0.122652
-0.06433	0.16515	0.017282	0.70953	-0.28961	1.78E-10	0.058544	0.20665	-0.12901
-0.00048	0.99174	-0.07319	0.1142	0.038579	0.40553	-0.2187	1.83E-06	0.105614
0.009467	0.83832	-0.21948	1.68E-06	0.047814	0.3025	-0.3041	1.90E-11	0.015971
0.073917	0.11065	0.017011	0.71387	0.140516	0.00234	-0.17356	0.00016	0.082753
0.103364	0.0255	0.009465	0.83836	0.206161	7.07E-06	-0.16185	0.00045	-0.03571
0.068947	0.13682	-0.02251	0.62751	0.220634	1.47E-06	-0.18349	6.65E-05	-0.03114
0.010966	0.81316	-0.07509	0.1051	0.226279	7.77E-07	-0.1557	0.00073	0.212458
0.21674	2.27E-06	0.24323	1.02E-07	0.49475	3.34E-30	0.085952	0.06347	0.12595
-0.05985	0.19672	0.150652	0.00109	-0.12035	0.00924	0.21131	4.10E-06	-0.09161
0.063307	0.17201	0.013446	0.77196	0.198291	1.58E-05	-0.12732	0.00586	-0.05754
-0.06646	0.15158	-0.19575	2.04E-05	-0.01773	0.70236	-0.30573	1.46E-11	-0.09707
-0.06182	0.18234	0.155147	0.00077	-0.1669	0.00029	0.189024	3.94E-05	-0.06886
0.008251	0.85885	-0.13883	0.00264	0.117924	0.01076	-0.18983	3.64E-05	0.120885
0.098103	0.03405	-0.09788	0.03447	0.083694	0.07077	-0.21103	4.22E-06	-0.03779
0.151224	0.00105	-0.01755	0.70521	0.128247	0.00551	-0.05303	0.25273	0.212226
0.120007	0.00944	-0.07815	0.09164	0.179772	9.37E-05	-0.07084	0.12635	0.104955
-0.04536	0.32801	-0.07892	0.08845	0.154806	0.00079	-0.09097	0.04944	0.128406
0.041607	0.36966	-0.12149	0.00859	0.134439	0.00361	-0.28951	1.81E-10	0.001404
0.129751	0.00498	0.066354	0.15224	0.189019	3.94E-05	-0.05559	0.23049	0.121616
-0.12147	0.0086	0.069239	0.13516	-0.22623	7.82E-07	0.124698	0.00697	-0.01711
-0.01007	0.8281	-0.1831	6.89E-05	0.105723	0.02231	-0.2676	4.23E-09	0.036886
0.028127	0.5443	-0.03237	0.48526	0.207808	5.95E-06	-0.18594	5.28E-05	0.098849
0.158194	0.0006	0.089456	0.05338	0.404139	8.93E-20	0.011916	0.79731	0.177084
0.130936	0.00459	0.053713	0.24667	0.315719	2.87E-12	-0.07747	0.09449	0.245628
0.109597	0.01783	-0.07354	0.11249	0.20651	6.82E-06	-0.21899	1.77E-06	-0.00632
0.098369	0.03357	-0.04692	0.31159	0.233226	3.45E-07	-0.0906	0.0504	0.238103
0.125564	0.00659	0.078608	0.08973	0.254474	2.45E-08	-0.09485	0.04048	0.165619
-0.00079	0.98645	-0.05192	0.26286	0.130982	0.00458	-0.10764	0.01998	0.052713
0.155805	0.00073	0.135578	0.00333	0.310369	6.92E-12	0.005446	0.90656	0.08448
-0.04982	0.28261	-0.03504	0.45	0.18505	5.75E-05	-0.00089	0.98469	0.274812
-0.12092	0.0089	-0.20611	7.11E-06	-0.1093	0.01814	-0.36258	5.90E-16	-0.09345
-0.0081	0.86136	-0.1768	0.00012	0.09463	0.04095	-0.27283	2.05E-09	0.156732
-0.00152	0.97391	0.233779	3.23E-07	-0.00723	0.87615	0.305985	1.40E-11	0.260558
-0.19284	2.72E-05	-0.04301	0.35374	-0.28311	4.68E-10	0.057319	0.21632	-0.00957
0.03725	0.42192	-0.13065	0.00468	0.157873	0.00062	-0.22799	6.38E-07	0.262072
0.049834	0.28251	-0.01069	0.81784	0.110774	0.01663	-0.18459	6.00E-05	-0.01532
0.04322	0.35137	-0.06884	0.13744	0.227536	6.72E-07	-0.16414	0.00037	0.217573
-0.00293	0.94965	0.089032	0.05452	-0.17851	0.00011	0.187162	4.71E-05	0.066958
0.027535	0.55281	-0.04722	0.30852	0.17957	9.54E-05	-0.11186	0.01559	0.289845
0.052063	0.2615	-0.10783	0.01976	0.111136	0.01627	-0.17206	0.00019	0.157525

0.095508	0.0391	0.024732	0.59395	0.283321	4.53E-10	-0.02659	0.56647	0.222604
-0.0117	0.80098	-0.08627	0.06251	0.175948	0.00013	-0.14814	0.00132	0.307781
0.06603	0.15426	0.048465	0.29596	0.150458	0.00111	-0.1158	0.01228	-0.12064
0.011235	0.80866	-0.06615	0.15349	0.113312	0.01428	-0.20078	1.23E-05	-0.02442
0.022293	0.63085	-0.11663	0.01166	0.145679	0.0016	-0.21026	4.58E-06	0.050313
0.002748	0.95277	-0.15055	0.0011	0.156506	0.00069	-0.25204	3.36E-08	0.094683
-0.04158	0.36993	-0.19344	2.57E-05	0.093743	0.04288	-0.31295	4.54E-12	0.051288
0.044968	0.33222	-0.05396	0.24453	0.218192	1.94E-06	-0.14125	0.00222	0.07314
-0.18854	4.13E-05	-0.02416	0.60251	-0.25871	1.41E-08	0.134979	0.00347	0.071335
-0.12569	0.00654	-0.02673	0.5645	-0.24026	1.48E-07	0.070081	0.13046	-0.06718
-0.08254	0.07476	-0.1877	4.47E-05	-0.0313	0.49983	-0.24232	1.15E-07	-0.08711
0.110765	0.01664	-0.12293	0.00782	0.056293	0.22467	-0.20855	5.50E-06	0.025617
0.041377	0.37231	0.459151	9.91E-26	0.21001	4.71E-06	0.541354	6.50E-37	0.042393
0.096014	0.03807	-0.01764	0.70384	0.293119	1.05E-10	0.00585	0.89966	0.279341
0.013421	0.77238	-0.06032	0.19321	0.112792	0.01474	-0.08862	0.05567	0.10799
0.121307	0.00869	-0.02518	0.58732	0.32228	9.53E-13	-0.13407	0.0037	0.202977
0.036442	0.43206	-0.05131	0.26845	0.140504	0.00234	-0.18591	5.30E-05	0.079142
0.124949	0.00686	-0.04557	0.32577	0.266091	5.20E-09	-0.16761	0.00027	0.211816
0.058763	0.20495	-0.15471	0.0008	0.213726	3.16E-06	-0.22593	8.09E-07	0.248593
0.027141	0.55851	0.012331	0.79042	0.156883	0.00067	-0.11321	0.01438	0.058426
-0.01428	0.75818	-0.17375	0.00016	0.143568	0.00187	-0.22627	7.78E-07	0.201346
0.018415	0.69143	-0.14397	0.00181	0.194857	2.23E-05	-0.21621	2.41E-06	0.235933
0.149804	0.00117	-0.05945	0.19967	0.212415	3.64E-06	-0.12782	0.00567	0.148521
-0.00709	0.87862	-0.21696	2.22E-06	0.023105	0.61846	-0.31457	3.48E-12	0.081957
0.132159	0.00422	0.037848	0.4145	0.229394	5.42E-07	-0.03184	0.49244	0.119411
-0.10348	0.02533	-0.08444	0.06829	0.125657	0.00655	-0.1065	0.02135	0.188001
0.025169	0.58746	-0.05016	0.2794	0.124255	0.00718	-0.1913	3.16E-05	-0.01083
0.003162	0.94567	-0.11923	0.00991	0.172135	0.00019	-0.23903	1.72E-07	0.133343
0.113422	0.01419	0.136158	0.0032	0.262729	8.22E-09	-0.00176	0.96981	0.046082
0.210548	4.45E-06	0.074903	0.10597	0.365235	3.49E-16	-0.0287	0.53618	0.165086
-0.02613	0.57323	-0.05232	0.25917	0.18712	4.72E-05	-0.12204	0.00829	0.073182
-0.03369	0.46764	-0.10519	0.023	0.109908	0.0175	-0.21628	2.39E-06	0.133589
-0.06695	0.14856	-0.09957	0.03145	0.106897	0.02086	-0.05057	0.27544	0.197436
0.052312	0.25923	-0.11139	0.01603	0.082616	0.07449	-0.17309	0.00017	0.063599
-0.04941	0.28667	-0.14699	0.00145	0.016857	0.71635	-0.1631	0.0004	0.033971
-0.10708	0.02064	-0.13608	0.00321	-0.26446	6.50E-09	-0.00732	0.87467	0.015263
0.069373	0.13441	0.039173	0.39833	0.303544	2.07E-11	-0.06659	0.15081	0.258938
-0.14296	0.00196	-0.02961	0.52324	-0.32956	2.71E-13	-0.00122	0.97904	-0.21399
0.039366	0.39601	-0.04872	0.29345	0.181472	8.02E-05	-0.11644	0.0118	0.200292
-0.00102	0.9825	0.247352	6.12E-08	-0.03324	0.47363	0.264363	6.59E-09	-0.14742
0.074629	0.10725	-0.10942	0.01801	0.233578	3.31E-07	-0.21759	2.07E-06	0.180628
-0.00458	0.92138	-0.15106	0.00106	0.17948	9.62E-05	-0.26018	1.16E-08	0.134543
-0.03394	0.46442	-0.11057	0.01683	0.058272	0.20876	-0.15648	0.00069	-0.10349
0.139842	0.00246	0.025991	0.5753	0.2453	7.92E-08	-0.10152	0.02826	-0.08121
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0.097511	0.03515	0.037594	0.41764	0.322812	8.70E-13	-0.08308	0.07286	0.18491
0.0038	0.93472	-0.14598	0.00156	0.123578	0.0075	-0.2389	1.74E-07	0.162527
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0.076295	0.09962	-0.14892	0.00125	0.043599	0.34716	-0.24742	6.07E-08	0.031688
0.030547	0.51021	-0.18825	4.24E-05	0.105031	0.02321	-0.18952	3.75E-05	0.266984
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0.160304	0.00051	0.080804	0.0811	0.365589	3.25E-16	-0.04749	0.30584	0.181972
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-0.00417	0.92834	-0.08315	0.07263	0.046742	0.31348	-0.20793	5.87E-06	-0.14685
-0.0222	0.63226	-0.2212	1.38E-06	-0.01969	0.67124	-0.25764	1.62E-08	0.083407
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0.00721	0.87652	-0.1715	0.0002	0.126169	0.00633	-0.31169	5.58E-12	0.128667
0.019794	0.66963	-0.04885	0.29216	0.178392	0.00011	-0.16181	0.00045	0.155134
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-0.02232	0.63043	-0.0227	0.62457	0.150639	0.00109	-0.18849	4.15E-05	-0.06471
0.07634	0.09941	0.006785	0.88373	0.232945	3.57E-07	-0.05627	0.22482	0.05461
-0.02	0.66636	-0.15619	0.00071	0.053883	0.24517	-0.2396	1.60E-07	0.018715
0.056219	0.22528	-0.10019	0.0304	0.158368	0.00059	-0.25703	1.76E-08	-0.03251
0.111981	0.01547	-0.03071	0.50798	0.230837	4.57E-07	-0.06803	0.14213	0.185885
-0.03919	0.3981	-0.23166	4.15E-07	0.033164	0.47464	-0.35241	4.21E-15	0.046139
-0.07718	0.09574	-0.28848	2.11E-10	0.041951	0.36571	-0.31953	1.52E-12	0.136879
0.09498	0.0402	-0.07233	0.11852	0.163946	0.00037	-0.1959	2.01E-05	0.158997
0.114626	0.01319	-0.03339	0.47159	0.245447	7.77E-08	-0.17814	0.00011	0.077238
0.058244	0.20899	-0.08634	0.06228	0.169159	0.00024	-0.19745	1.72E-05	0.082776
0.060188	0.19416	-0.11898	0.01007	0.146725	0.00148	-0.25351	2.78E-08	0.082799
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0.068271	0.14072	-0.0593	0.20081	0.217872	2.01E-06	-0.11084	0.01656	0.224757
0.023665	0.60998	-0.083	0.07316	0.212479	3.61E-06	-0.22339	1.08E-06	0.049372
0.07231	0.11865	-0.07098	0.1256	0.278689	8.89E-10	-0.15253	0.00094	0.232354
0.037564	0.41801	-0.16477	0.00035	0.158927	0.00057	-0.26941	3.30E-09	0.234651
0.050978	0.27159	-0.16717	0.00029	0.089151	0.0542	-0.27639	1.23E-09	0.05665
0.001485	0.97446	-0.15684	0.00067	0.085789	0.06397	-0.25882	1.39E-08	0.030652
0.060212	0.19398	-0.13666	0.00309	0.150974	0.00107	-0.2239	1.02E-06	0.050116
-0.02032	0.66135	0.322624	8.98E-13	0.0274	0.55475	0.41235	1.35E-20	0.04774
0.057259	0.2168	-0.05774	0.21293	0.170847	0.00021	-0.18972	3.69E-05	0.016561
0.035992	0.43777	-0.20083	1.23E-05	-0.0493	0.28771	-0.24984	4.46E-08	-0.02876
0.009756	0.83345	0.187771	4.44E-05	0.015509	0.73817	0.315869	2.80E-12	0.08661
0.059346	0.20049	-0.02104	0.65025	0.217215	2.16E-06	-0.1574	0.00064	0.007156
0.152031	0.00098	0.058632	0.20596	0.337079	7.16E-14	-0.04648	0.31617	0.160312
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0.010746	0.81684	-0.08775	0.0581	0.109241	0.0182	-0.15229	0.00096	-0.02926
0.035208	0.44782	-0.05605	0.22666	0.174187	0.00015	-0.24307	1.04E-07	-0.03725
0.129918	0.00492	0.04472	0.3349	0.352112	4.46E-15	-0.07033	0.12909	0.196446
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0.003252	0.94413	-0.10865	0.01884	0.085012	0.06643	-0.16294	0.00041	0.138807

0.113896	0.01379	-0.10432	0.02417	0.182818	7.08E-05	-0.10163	0.02809	0.155612
0.023932	0.60596	-0.09553	0.03905	0.172783	0.00018	-0.20904	5.22E-06	0.07127
0.029587	0.5236	-0.08029	0.08306	0.169342	0.00024	-0.17659	0.00013	0.071308
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0.003536	0.93924	-0.10236	0.02698	0.103567	0.02521	-0.21563	2.57E-06	0.037076
0.087441	0.059	-0.0147	0.75134	0.257362	1.68E-08	-0.1308	0.00464	0.115797
0.074638	0.10721	-0.0115	0.80422	0.223069	1.12E-06	-0.09386	0.04263	0.082588
-0.07272	0.11654	0.173183	0.00017	0.049574	0.28503	0.241013	1.35E-07	0.061894
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0.075994	0.10096	-0.01231	0.79073	0.11638	0.01184	-0.15893	0.00057	-0.18929
-0.01423	0.7591	-0.18214	7.54E-05	0.008196	0.85978	-0.31111	6.14E-12	-0.12849
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0.164028	0.00037	0.206087	7.13E-06	0.337661	6.44E-14	0.009825	0.8323	0.029621
-0.10811	0.01945	-0.21205	3.78E-06	-0.11843	0.01042	-0.27406	1.72E-09	-0.11694
0.115517	0.01249	0.049866	0.2822	0.353328	3.54E-15	-0.04609	0.32031	0.125778
0.000761	0.98691	-0.15206	0.00098	0.096971	0.03618	-0.25013	4.30E-08	0.111211
0.043122	0.35247	-0.10888	0.01859	0.189542	3.75E-05	-0.12346	0.00756	0.2295
0.066062	0.15406	-0.03079	0.5069	0.06594	0.15482	-0.09305	0.04446	0.180862
0.028018	0.54586	-0.07381	0.11119	0.205169	7.84E-06	-0.04638	0.31725	0.180262
0.010874	0.8147	0.058606	0.20617	0.321439	1.10E-12	-0.00861	0.85282	0.151463
0.214364	2.95E-06	0.176496	0.00013	0.329146	2.92E-13	0.049016	0.29049	0.060245
0.256741	1.82E-08	0.07657	0.09839	0.347301	1.10E-14	-0.02618	0.57252	0.107354
-0.00703	0.87955	0.068993	0.13656	-0.06885	0.13736	0.157055	0.00066	0.160452
0.056094	0.22632	-0.08345	0.0716	0.108845	0.01863	-0.14721	0.00142	0.0215
-0.00722	0.87637	-0.06506	0.16044	0.183529	6.62E-05	-0.2038	9.03E-06	0.031973
-0.10209	0.02738	0.038123	0.41111	-0.14873	0.00127	0.067966	0.14251	-0.08155
-0.10499	0.02327	0.085355	0.06533	-0.03595	0.43837	0.199203	1.45E-05	0.269668
0.036308	0.43375	0.137779	0.00285	-0.01148	0.80466	0.245645	7.58E-08	0.198953
0.054791	0.2373	-0.05801	0.21085	0.182368	7.38E-05	-0.20008	1.32E-05	-0.02343
-0.13073	0.00466	0.202109	1.08E-05	-0.09467	0.04087	0.229878	5.12E-07	-0.01071
0.056676	0.22153	-0.08135	0.07905	0.001106	0.98098	-0.14343	0.00189	0.15579
0.019594	0.67278	0.257026	1.76E-08	0.010083	0.82795	0.328682	3.16E-13	0.019421
-0.00768	0.8685	-0.17579	0.00013	0.101114	0.0289	-0.31376	3.97E-12	0.052937
0.028342	0.54123	-0.08639	0.06214	0.167617	0.00027	-0.13088	0.00461	0.24744
-0.00605	0.89622	-0.04699	0.31088	0.175409	0.00014	-0.19995	1.34E-05	1.19E-05
0.102096	0.02737	0.044639	0.33577	0.296526	6.22E-11	-0.10671	0.02109	0.096334
0.087663	0.05836	0.040218	0.38586	0.190794	3.32E-05	-0.08149	0.07855	0.013774
0.089587	0.05303	0.050841	0.27289	0.23631	2.39E-07	-0.0065	0.88867	0.180881
0.061956	0.18136	-0.15619	0.00071	0.092081	0.04672	-0.26304	7.88E-09	0.0591
-0.10261	0.02659	0.066992	0.14833	-0.23553	2.62E-07	0.044479	0.33751	-0.19521
-0.08394	0.06994	0.049248	0.28822	-0.19776	1.67E-05	0.114363	0.0134	-0.13541
0.060663	0.19066	-0.06777	0.14368	0.110915	0.01649	-0.07797	0.09238	0.239614
0.118982	0.01007	0.015525	0.73791	0.107533	0.02011	-0.13664	0.00309	-0.09492
0.082645	0.07438	-0.00333	0.94273	0.229986	5.05E-07	-0.15148	0.00102	0.096926
0.125061	0.00681	-0.00314	0.94601	0.255536	2.14E-08	-0.08477	0.0672	0.168969

-0.15061	0.0011	-0.04003	0.38811	-0.21961	1.65E-06	0.022188	0.63246	-0.23389
-0.02904	0.53127	0.019089	0.68075	-0.19076	3.33E-05	0.050645	0.27474	-0.22356
0.135238	0.00341	0.076569	0.0984	0.297702	5.18E-11	-0.07554	0.10304	0.061076
-0.07949	0.08618	0.015036	0.74587	-0.26782	4.11E-09	-0.01893	0.68329	-0.03088
0.075118	0.10496	-0.02869	0.53623	0.22807	6.32E-07	-0.14263	0.002	0.083028
0.129253	0.00515	0.042998	0.35386	0.337901	6.17E-14	-0.04987	0.28216	0.22316
0.094217	0.04184	-0.08982	0.05241	0.101307	0.02859	-0.14548	0.00162	0.010588
0.111716	0.01572	-0.06196	0.18136	0.234227	3.06E-07	-0.14632	0.00152	0.155257
0.069806	0.13199	-0.05809	0.21016	0.177758	0.00011	-0.10574	0.02229	0.236017
0.112936	0.01461	-0.03105	0.50333	0.167459	0.00028	-0.11028	0.01712	0.14307
-0.09468	0.04085	-0.05681	0.2204	0.099348	0.03183	-0.18497	5.79E-05	-0.03666
0.017166	0.71139	-0.04761	0.30453	0.1786	0.0001	-0.113	0.01456	0.275786
0.105432	0.02269	-0.03779	0.41516	0.215923	2.49E-06	-0.06268	0.17632	0.306668
-0.01848	0.69034	-0.18712	4.72E-05	0.075879	0.10148	-0.23562	2.59E-07	0.135836
0.045548	0.32602	-0.03712	0.42355	0.224645	9.37E-07	-0.1557	0.00073	0.074818
0.054862	0.23669	-0.05175	0.26437	0.209833	4.80E-06	-0.11764	0.01095	0.244486
0.023083	0.61879	-0.1073	0.02038	0.111835	0.01561	-0.20473	8.21E-06	0.20753
0.141717	0.00214	-0.0037	0.93652	0.106795	0.02098	-0.14737	0.00141	-0.16307
-0.02599	0.57536	-0.02143	0.64408	0.202213	1.06E-05	-0.0321	0.48899	0.359055
0.020898	0.65239	-0.06149	0.18469	0.178488	0.00011	-0.21664	2.30E-06	-0.0125
0.017695	0.70291	-0.05015	0.27949	0.240617	1.41E-07	-0.18923	3.86E-05	0.052658
-0.009	0.84627	-0.01958	0.67299	0.163145	0.0004	-0.12971	0.005	0.144191
0.031818	0.49277	-0.19348	2.56E-05	0.117892	0.01078	-0.26908	3.45E-09	0.081686
-0.01285	0.78179	-0.21936	1.70E-06	0.053225	0.25099	-0.28383	4.21E-10	-0.02253
0.009183	0.84311	-0.17928	9.80E-05	0.059826	0.19686	-0.36292	5.51E-16	-0.01801
0.050601	0.27515	0.028378	0.54072	0.191423	3.13E-05	-0.07108	0.12505	0.064795
0.002973	0.94891	-0.1349	0.00349	0.130896	0.00461	-0.27108	2.61E-09	0.087481
0.044856	0.33343	-0.06488	0.16155	0.230557	4.73E-07	-0.16169	0.00045	0.113671
0.075119	0.10496	-0.0079	0.86475	0.306815	1.23E-11	-0.14316	0.00193	0.300795
0.089246	0.05394	-0.04486	0.33342	0.280804	6.55E-10	-0.12761	0.00575	0.296163
0.01405	0.76203	-0.13872	0.00266	0.032375	0.48521	-0.21207	3.78E-06	0.082253
-0.05473	0.23781	-0.0796	0.08575	0.166336	0.00031	-0.18543	5.54E-05	0.130701
0.093109	0.04432	0.03781	0.41497	0.267303	4.41E-09	-0.12423	0.00719	-0.0319
0.036819	0.42731	0.086389	0.06213	0.328478	3.28E-13	-0.04187	0.36664	0.153451
0.066109	0.15376	-0.07931	0.0869	0.24869	5.16E-08	-0.18962	3.72E-05	0.108054
-0.01295	0.78012	-0.14122	0.00222	0.099598	0.0314	-0.26548	5.66E-09	0.116778
0.051352	0.26809	0.206061	7.14E-06	0.062049	0.18071	0.265448	5.68E-09	-0.01501
0.034954	0.4511	-0.00999	0.82953	0.161266	0.00047	-0.16008	0.00052	0.076705
0.015032	0.74594	-0.1741	0.00016	0.165292	0.00033	-0.25711	1.74E-08	0.16163
-0.0381	0.41136	-0.11677	0.01156	0.118209	0.01057	-0.22737	6.85E-07	-0.01528
0.062483	0.17767	-0.07186	0.12096	0.227761	6.55E-07	-0.17175	0.00019	0.282118
0.01719	0.711	-0.09036	0.05099	0.234042	3.13E-07	-0.18567	5.42E-05	0.16318
0.057256	0.21682	-0.13893	0.00262	0.086292	0.06242	-0.17619	0.00013	0.142485
-0.04941	0.28662	-0.11774	0.01089	0.056102	0.22625	-0.1631	0.0004	0.004689
0.041771	0.36778	-0.02347	0.613	0.229975	5.06E-07	-0.11799	0.01072	0.165542

0.027092	0.55922	-0.15998	0.00052	0.178817	0.0001	-0.2596	1.25E-08	0.230166
0.055843	0.2284	-0.16438	0.00036	0.12241	0.00809	-0.26914	3.42E-09	0.130807
0.081775	0.0775	-0.01383	0.76571	0.253748	2.70E-08	-0.15891	0.00057	-0.01875
0.085384	0.06524	0.159971	0.00052	0.321666	1.06E-12	0.04934	0.28731	0.120294
0.098252	0.03378	-0.06618	0.1533	0.218068	1.96E-06	-0.15143	0.00103	0.154652
0.049613	0.28465	-0.09615	0.0378	0.169457	0.00023	-0.1104	0.01701	0.071457
-0.00267	0.95408	-0.19814	1.61E-05	0.068239	0.14091	-0.26516	5.91E-09	0.156696
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0.023784	0.60818	-0.20374	9.10E-06	-0.01813	0.69592	-0.27894	8.57E-10	0.093539
0.063453	0.17102	-0.07629	0.09963	0.276556	1.21E-09	-0.14785	0.00135	0.262844
0.083459	0.07156	0.006567	0.88744	0.269723	3.16E-09	-0.12689	0.00604	-0.00091
-0.04512	0.3306	-0.0663	0.15257	0.12087	0.00893	-0.06186	0.18204	0.374961
0.076073	0.10061	-0.07613	0.10037	0.187364	4.62E-05	-0.16533	0.00033	0.171649
-0.10145	0.02837	-0.10384	0.02482	-0.08836	0.05637	-0.22275	1.16E-06	-0.11661
-0.04672	0.31374	-0.13381	0.00377	0.052443	0.25804	-0.14745	0.0014	0.184971
-0.01112	0.81057	-0.13178	0.00434	-0.05323	0.25092	-0.22458	9.44E-07	0.09442
-0.00803	0.86268	-0.05671	0.22121	0.118818	0.01017	-0.19293	2.70E-05	-0.02792
0.108793	0.01869	0.129828	0.00495	0.308448	9.45E-12	0.082705	0.07417	0.220727
0.014007	0.76273	-0.11863	0.01029	0.164974	0.00034	-0.23823	1.89E-07	0.130276
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-0.05938	0.2002	0.074912	0.10592	-0.20312	9.70E-06	0.078463	0.09033	-0.16799
-0.0078	0.86645	-0.0115	0.8043	0.055497	0.2313	-0.15332	0.00089	-0.02767
0.025607	0.58097	-0.0848	0.06711	0.123051	0.00776	-0.17396	0.00016	0.087215
0.215358	2.64E-06	0.173825	0.00016	0.414356	8.43E-21	0.067445	0.1456	0.34126
0.025552	0.58177	-0.22907	5.63E-07	0.041511	0.37077	-0.19233	2.86E-05	0.108296
0.062267	0.17918	-0.00769	0.86838	0.294874	8.02E-11	-0.14287	0.00197	0.214015
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0.008668	0.8518	-0.04684	0.31243	0.21923	1.73E-06	-0.15368	0.00086	0.229316
0.000717	0.98767	0.255494	2.15E-08	0.063319	0.17193	0.330933	2.13E-13	0.088128
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0.129571	0.00504	0.000581	0.99001	0.259559	1.26E-08	-0.11489	0.01298	0.080991
0.09178	0.04745	-0.13131	0.00448	0.120051	0.00941	-0.21903	1.76E-06	0.012502
0.028997	0.53191	-0.09526	0.03962	0.148865	0.00125	-0.19058	3.39E-05	0.017263
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-0.13608	0.00321	-0.21828	1.92E-06	-0.04283	0.35578	-0.31039	6.90E-12	-0.0066
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0.035289	0.44679	0.013134	0.77712	0.264004	6.91E-09	-0.04229	0.36185	0.008492
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0.200657	1.25E-05	0.136457	0.00313	0.375508	4.37E-17	-0.02667	0.5654	0.167123
0.027447	0.55409	-0.05011	0.27987	0.185707	5.40E-05	-0.17005	0.00022	0.127319
0.068932	0.13691	0.042509	0.35936	0.23894	1.74E-07	-0.03681	0.42745	0.075086
0.021336	0.64559	-0.09497	0.04023	0.240854	1.37E-07	-0.13831	0.00274	0.306397
0.057018	0.21874	-0.08851	0.05595	0.216941	2.22E-06	-0.21642	2.35E-06	0.120544

0.020053	0.66558	-0.05821	0.20926	0.070976	0.12562	-0.13381	0.00377	0.30286
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0.067395	0.1459	-0.12394	0.00733	0.202421	1.04E-05	-0.24573	7.50E-08	0.131691
0.188972	3.96E-05	0.225896	8.12E-07	0.420217	2.10E-21	0.149662	0.00118	0.172865
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0.072112	0.11966	-0.06991	0.13139	0.040259	0.38538	-0.19516	2.17E-05	-0.04927
0.057679	0.21345	-0.04758	0.30488	0.105074	0.02315	-0.12749	0.0058	0.064704
0.032762	0.48001	-0.13583	0.00327	0.154305	0.00082	-0.16892	0.00025	0.141992
0.027746	0.54978	-0.10393	0.0247	0.130611	0.0047	-0.25713	1.73E-08	-0.09233
0.128327	0.00548	-0.01268	0.78456	0.288146	2.22E-10	-0.08532	0.06546	0.194761
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0.061329	0.18583	-0.07577	0.10198	0.216162	2.42E-06	-0.17318	0.00017	0.231148
0.074241	0.10909	0.047187	0.30889	0.18876	4.04E-05	-0.09522	0.0397	-0.05011
0.111732	0.01571	-0.07273	0.11651	0.154983	0.00078	-0.15245	0.00095	0.039408
-0.08624	0.06257	0.035823	0.43993	-0.23091	4.54E-07	0.082285	0.07566	-0.05442
0.06795	0.1426	-0.10685	0.02092	0.230493	4.76E-07	-0.17299	0.00017	0.224136
-0.01956	0.67326	-0.20304	9.78E-06	0.03417	0.46133	-0.28416	4.01E-10	0.040062
-0.06244	0.17796	-0.09957	0.03145	0.090462	0.05074	-0.23716	2.16E-07	0.01472
0.056976	0.21909	-0.09122	0.04883	-0.00044	0.99242	-0.19833	1.58E-05	0.059884
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0.124947	0.00686	0.007394	0.87339	0.080958	0.08051	-0.13605	0.00322	-0.17267
0.072064	0.11991	0.176431	0.00013	0.349103	7.86E-15	0.170352	0.00022	0.510774
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0.007664	0.86881	-0.08921	0.05404	0.171758	0.00019	-0.23512	2.75E-07	-0.01137
0.087755	0.0581	-0.06783	0.14332	0.22974	5.20E-07	-0.15943	0.00054	0.062118
0.031736	0.49387	-0.16059	0.00049	0.05638	0.22395	-0.23402	3.14E-07	0.131145
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0.107321	0.02036	0.017433	0.7071	0.238738	1.78E-07	-0.15467	0.0008	0.055382
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0.030607	0.50938	-0.08632	0.06234	0.156576	0.00068	-0.08495	0.06663	0.097454
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0.110418	0.01698	-0.02768	0.5507	0.133707	0.0038	-0.07593	0.10127	0.19132
0.104889	0.0234	-0.02431	0.60022	0.255099	2.26E-08	-0.12455	0.00704	0.06585
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0.014536	0.75405	-0.12019	0.00933	0.093434	0.04358	-0.10573	0.0223	0.245686
0.080586	0.08192	-0.08886	0.05499	0.151097	0.00106	-0.25404	2.60E-08	0.071981
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0.033044	0.47624	-0.11911	0.00999	0.1966	1.88E-05	-0.19469	2.27E-05	0.204597
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0.006427	0.88984	-0.00126	0.97829	0.176624	0.00012	-0.14695	0.00145	0.004714
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0.109326	0.01811	-0.12673	0.0061	0.160516	0.0005	-0.24541	7.80E-08	0.128819
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0.161453	0.00046	-0.1727	0.00018	0.110711	0.01669	-0.22277	1.16E-06	0.160934
0.042611	0.35821	-0.11162	0.01582	0.096547	0.03701	-0.1993	1.43E-05	-3.04E-05
-0.10475	0.02358	-0.0822	0.07597	-0.19676	1.85E-05	0.024914	0.59125	-0.06839
0.074548	0.10763	-0.05297	0.25326	0.117172	0.01128	-0.13222	0.00421	0.003641
-0.12931	0.00513	-0.01617	0.72748	-0.24872	5.14E-08	0.093082	0.04438	-0.07677
-0.10942	0.01802	0.097362	0.03543	-0.20029	1.29E-05	0.119963	0.00946	-0.24086
0.078242	0.09124	-0.09756	0.03506	0.184599	5.99E-05	-0.17569	0.00014	0.066645
0.034532	0.4566	-0.05021	0.27889	0.20793	5.87E-06	-0.1367	0.00308	0.079106
0.025615	0.58085	-0.08836	0.05639	0.139357	0.00254	-0.16285	0.00041	0.158508
-0.04893	0.29134	-0.15608	0.00071	0.014061	0.76184	-0.15018	0.00113	0.110537
-0.05248	0.25774	0.009659	0.83508	-0.11753	0.01103	0.125704	0.00653	0.030355
-0.08676	0.061	-0.01097	0.81304	-0.17562	0.00014	0.019607	0.67257	-0.0767
0.048258	0.29803	-0.10302	0.026	0.069459	0.13392	-0.20544	7.62E-06	-0.11783
0.053248	0.25079	-0.08246	0.07504	0.198777	1.51E-05	-0.14237	0.00204	0.141801
0.130906	0.0046	-0.0681	0.14171	0.172163	0.00019	-0.16771	0.00027	0.029263
-0.21538	2.64E-06	-0.21702	2.20E-06	-0.40058	2.00E-19	-0.12985	0.00495	-0.21044
0.032687	0.48102	-0.03492	0.45159	0.23197	4.00E-07	-0.1713	0.0002	0.11793
0.019591	0.67283	-0.07026	0.12949	0.119408	0.0098	-0.05918	0.20178	0.288439
-0.10633	0.02155	-0.22536	8.63E-07	-0.02234	0.63011	-0.25452	2.44E-08	0.023159
0.049997	0.28093	0.018994	0.68225	0.245322	7.90E-08	-0.12736	0.00585	0.031593
-0.08514	0.06602	0.115951	0.01216	-0.10314	0.02582	0.17054	0.00021	-0.00828
0.024602	0.59589	-0.12043	0.00918	0.15015	0.00114	-0.2509	3.89E-08	0.02937
0.054239	0.24207	-0.02254	0.62706	0.112087	0.01538	-0.16853	0.00025	0.035485
-0.12548	0.00663	-0.1648	0.00035	-0.26631	5.05E-09	-0.06338	0.17151	-0.05148
-0.0377	0.41631	-0.11458	0.01323	0.14049	0.00234	-0.22887	5.76E-07	0.253505
-0.07477	0.10658	0.107305	0.02038	-0.1524	0.00095	0.133802	0.00377	-0.07121
0.124294	0.00716	0.104272	0.02423	0.237587	2.05E-07	-0.06452	0.16393	0.067835
0.074888	0.10604	0.012055	0.795	0.254471	2.45E-08	-0.11257	0.01493	0.121479
-0.1006	0.02972	0.024401	0.59891	-0.2265	7.58E-07	0.125546	0.0066	0.000766
0.042413	0.36046	-0.04818	0.29882	0.153246	0.00089	-0.03007	0.51687	0.204171
-0.06528	0.159	0.178006	0.00011	-0.13666	0.00308	0.196696	1.86E-05	-0.12717
-0.02031	0.66158	0.235578	2.61E-07	0.028598	0.53758	0.379391	1.95E-17	0.066155
0.050365	0.2774	-0.05936	0.20036	0.220935	1.43E-06	-0.17471	0.00015	0.082209
0.066578	0.15086	0.003216	0.94474	0.216707	2.28E-06	-0.10574	0.02229	0.099218
0.051987	0.2622	-0.08277	0.07396	0.224696	9.32E-07	-0.20484	8.12E-06	0.104499
0.056665	0.22162	-0.06783	0.14328	0.228227	6.20E-07	-0.19987	1.35E-05	0.106823
-0.02461	0.5957	-0.1232	0.00769	0.076233	0.09989	-0.17532	0.00014	-0.04305
-0.02184	0.63783	-0.0789	0.08853	0.072008	0.1202	-0.21864	1.84E-06	-0.15775
0.080554	0.08204	-0.08522	0.06576	0.190136	3.54E-05	-0.21984	1.61E-06	0.028335
-0.1557	0.00073	-0.05842	0.20761	-0.27109	2.61E-09	0.021646	0.64081	-0.04258
-0.00831	0.8578	-0.19226	2.88E-05	0.111453	0.01597	-0.26931	3.34E-09	0.122834
0.036337	0.43339	-0.06601	0.15437	0.231653	4.16E-07	-0.04021	0.38596	0.326019
-0.05746	0.2152	0.009634	0.83552	0.191061	3.24E-05	-0.00774	0.86758	0.416277
0.078853	0.08873	-0.0706	0.12763	0.161309	0.00047	-0.04724	0.30833	0.236621
0.094533	0.04115	0.004164	0.92848	0.123397	0.00759	-0.05299	0.25313	0.009894

0.019636	0.67213	-0.16362	0.00038	0.178706	0.0001	-0.21709	2.19E-06	0.145288
0.072864	0.11584	-0.11647	0.01178	0.073825	0.1111	-0.24561	7.61E-08	-0.05943
-0.03919	0.3981	0.070077	0.13049	-0.16775	0.00027	0.098491	0.03335	0.032007
0.028378	0.54071	-0.11606	0.01208	0.11875	0.01022	-0.19616	1.96E-05	0.19717
-0.0712	0.12443	0.026137	0.57316	-0.21656	2.32E-06	0.090722	0.05008	-0.05392
0.07192	0.12065	-0.05936	0.20037	0.235242	2.71E-07	-0.20794	5.86E-06	0.043026
-0.07318	0.11429	-0.18687	4.84E-05	0.009097	0.84456	-0.24521	8.01E-08	0.005901
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0.035564	0.44324	-0.02457	0.59637	0.060349	0.19297	-0.17444	0.00015	-0.09913
0.074572	0.10752	-0.12327	0.00765	0.14248	0.00203	-0.23405	3.13E-07	0.204849
-0.07217	0.11935	0.193261	2.61E-05	-0.05917	0.20185	0.270462	2.85E-09	-0.09707
-0.01971	0.67099	-0.23585	2.52E-07	-0.00405	0.93047	-0.31082	6.43E-12	0.077338
-0.11607	0.01207	0.061231	0.18653	-0.22659	7.49E-07	0.163908	0.00038	-0.07272
-0.03457	0.45611	0.086854	0.06073	-0.12804	0.00559	0.171187	0.0002	-0.1136
0.092014	0.04689	-0.01236	0.78999	0.23834	1.87E-07	-0.14783	0.00136	-0.03197
0.026393	0.5694	-0.09564	0.03883	0.103679	0.02505	-0.14824	0.00132	0.142757
0.005378	0.90773	-0.1876	4.51E-05	0.084326	0.06866	-0.25464	2.40E-08	0.012057
-0.05841	0.20766	-0.2424	1.14E-07	-0.0225	0.62774	-0.31964	1.49E-12	-0.05235
0.045742	0.32395	-0.09838	0.03354	0.177461	0.00012	-0.22779	6.53E-07	0.091664
0.045117	0.33062	-0.1651	0.00034	0.130716	0.00466	-0.24098	1.35E-07	0.094936
0.040541	0.38206	0.094069	0.04216	0.220725	1.46E-06	0.008087	0.86164	0.197284
0.055458	0.23163	-0.01084	0.81533	0.159058	0.00056	-0.14245	0.00203	0.071968
-0.04778	0.30289	0.074802	0.10644	-0.09368	0.04303	0.218533	1.86E-06	0.014336
-0.05177	0.26417	-0.14086	0.00228	0.108412	0.01911	-0.18052	8.75E-05	0.156647
0.086441	0.06197	0.109268	0.01817	-0.11169	0.01574	0.189876	3.63E-05	-0.18669
-0.0506	0.27512	-0.05489	0.23642	0.065393	0.15828	-0.15098	0.00106	0.077896
0.031792	0.49311	0.0056	0.90394	0.266217	5.12E-09	-0.09856	0.03322	0.205696
-0.10296	0.02609	0.088469	0.05607	-0.22246	1.20E-06	0.073437	0.11299	-0.14828
-0.0415	0.37093	0.134819	0.00351	-0.08013	0.08365	0.265701	5.49E-09	0.157479
0.048639	0.29422	-0.01178	0.79951	0.102135	0.02731	-0.07342	0.11309	0.075188
0.014316	0.75765	-0.11701	0.01139	0.161571	0.00046	-0.23395	3.16E-07	0.037261
0.069534	0.1335	-0.13073	0.00466	0.158061	0.00061	-0.1894	3.80E-05	0.100124
0.059204	0.20157	-0.02783	0.54853	0.223736	1.04E-06	-0.14845	0.00129	-0.01447
0.069182	0.13549	-0.02125	0.6469	0.258372	1.47E-08	-0.18413	6.26E-05	-0.01736
0.127672	0.00573	0.0383	0.40895	0.328362	3.34E-13	-0.07333	0.1135	0.358172
0.038623	0.405	-0.18366	6.55E-05	0.15095	0.00107	-0.2931	1.05E-10	0.108483
-0.11298	0.01457	0.011467	0.8048	-0.12339	0.00759	0.136648	0.00309	0.005178
0.046902	0.31183	0.023307	0.6154	0.291085	1.43E-10	-0.06717	0.14723	0.110786
-0.01531	0.74145	0.028562	0.5381	-0.13829	0.00275	0.110256	0.01715	-0.01016
0.044665	0.33549	-0.12606	0.00638	0.121698	0.00847	-0.20751	6.14E-06	0.088221
0.0842	0.06907	-0.06948	0.13382	0.209816	4.81E-06	-0.1873	4.65E-05	0.027743
0.040496	0.38259	-0.09665	0.0368	0.196572	1.88E-05	-0.18826	4.24E-05	0.170784
0.025931	0.57618	-0.13357	0.00383	-0.00702	0.87974	-0.21092	4.27E-06	-0.08576
-0.07685	0.09718	0.043499	0.34827	-0.25682	1.80E-08	0.129554	0.00505	-0.13791
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0.049023	0.29043	0.079016	0.08807	-0.11338	0.01422	0.16658	0.0003	0.037651
0.149428	0.0012	0.040923	0.37759	0.347367	1.09E-14	-0.05497	0.23579	0.17271
0.006504	0.88853	-0.13524	0.00341	0.039764	0.39125	-0.12975	0.00498	0.045359
0.197988	1.63E-05	0.178244	0.00011	0.442407	8.42E-24	0.040822	0.37877	0.288454
0.08224	0.07582	-0.01826	0.69397	0.271355	2.51E-09	-0.13822	0.00276	0.252606
0.064207	0.16598	-0.0624	0.17826	0.11367	0.01398	-0.14136	0.0022	-0.11205
0.021078	0.6496	-0.05731	0.21638	0.220987	1.42E-06	-0.17202	0.00019	0.273144
0.098533	0.03327	0.06285	0.17513	0.187652	4.49E-05	0.057466	0.21514	0.146901
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0.020986	0.65102	-0.20922	5.12E-06	0.011698	0.80094	-0.25838	1.47E-08	0.145436
-0.02049	0.65879	-0.09266	0.04535	0.086455	0.06193	-0.22815	6.26E-07	-0.07259
0.051047	0.27094	-0.07609	0.10054	0.223238	1.10E-06	-0.18521	5.66E-05	0.044018
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0.111328	0.01609	0.038984	0.40062	0.305545	1.51E-11	-0.09782	0.03458	0.014016
0.119567	0.0097	-0.00595	0.89796	0.217461	2.10E-06	-0.01012	0.82734	0.32553
0.096668	0.03677	0.043781	0.34515	0.063407	0.17133	-0.07989	0.08459	-0.03598
0.077219	0.09557	0.115988	0.01213	0.346016	1.40E-14	0.064506	0.16401	0.2083
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0.146064	0.00155	0.033666	0.46797	0.358511	1.31E-15	-0.05757	0.21433	0.248017
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0.113706	0.01395	0.124992	0.00684	0.268102	3.95E-09	0.094963	0.04024	0.222959
0.100108	0.03054	0.034609	0.45559	0.277148	1.11E-09	-0.12809	0.00557	0.113815
0.085722	0.06418	0.032648	0.48155	0.327927	3.61E-13	-0.06225	0.17927	0.078142
0.052204	0.26022	-0.06114	0.18716	0.213078	3.39E-06	-0.1262	0.00632	0.122202
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0.06622	0.15308	0.0105	0.82097	0.209486	4.98E-06	-0.16035	0.0005	-0.03003
0.05702	0.21873	-0.12667	0.00612	0.171916	0.00019	-0.16101	0.00048	0.058473
0.036909	0.42618	-0.10609	0.02185	0.168285	0.00026	-0.20488	8.08E-06	0.128786
0.057362	0.21598	-0.12394	0.00733	0.092842	0.04493	-0.18912	3.90E-05	0.150923
0.019774	0.66994	-0.0117	0.80084	0.129265	0.00515	-0.14857	0.00128	-0.11151
0.026391	0.56944	-0.16183	0.00045	0.017086	0.71267	-0.13445	0.0036	0.194458
0.091478	0.04819	-0.13516	0.00343	0.01343	0.77223	-0.22855	5.98E-07	-0.05547
-0.05281	0.2547	-0.10743	0.02023	0.140813	0.00229	-0.24673	6.61E-08	0.03297
0.038434	0.4073	0.112258	0.01522	0.370643	1.18E-16	-0.01813	0.69596	0.289729
0.038782	0.40307	-0.01766	0.7034	0.073133	0.1145	-0.12012	0.00937	-0.17823
0.045653	0.3249	-0.13191	0.0043	0.149602	0.00118	-0.24407	9.23E-08	0.034663
0.046203	0.3191	-0.15201	0.00098	0.126057	0.00638	-0.23463	2.92E-07	0.085282
0.007758	0.86721	-0.02843	0.53991	0.166862	0.00029	-0.12772	0.00571	0.121304
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0.095176	0.03979	-0.06449	0.16413	0.221087	1.40E-06	-0.1946	2.29E-05	0.157838
0.091471	0.0482	-0.01335	0.77354	0.326629	4.52E-13	-0.09616	0.03778	0.186655
0.026141	0.5731	-0.12403	0.00729	0.158224	0.0006	-0.19468	2.27E-05	0.06626
0.040917	0.37766	-0.05864	0.20587	0.169023	0.00024	-0.09048	0.0507	0.112092
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0.062238	0.17938	0.189538	3.75E-05	0.208292	5.65E-06	0.061447	0.18498	0.029513
0.020701	0.65546	-0.15461	0.0008	0.132597	0.0041	-0.26522	5.86E-09	0.049875
0.062338	0.17868	-0.07871	0.08931	0.19629	1.94E-05	-0.11821	0.01057	0.140703
0.052858	0.25428	-0.15791	0.00062	0.134657	0.00355	-0.25584	2.05E-08	0.087409
0.056846	0.22015	0.020981	0.65109	0.23359	3.30E-07	-0.10856	0.01895	0.110511
0.111148	0.01626	-0.05332	0.25014	0.263963	6.95E-09	-0.14208	0.00209	0.158278
0.15642	0.00069	0.11926	0.00989	0.423313	9.96E-22	-0.03177	0.49341	0.350571
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0.110961	0.01645	0.003915	0.93276	0.222177	1.24E-06	-0.07299	0.11523	0.143879
0.016025	0.7298	-0.00437	0.92493	0.224776	9.23E-07	-0.0169	0.71559	0.178335
-0.05082	0.27307	-0.11655	0.01172	0.094738	0.04071	-0.25562	2.11E-08	0.118638
0.031805	0.49294	-0.06008	0.19499	0.107652	0.01997	-0.21838	1.89E-06	0.005511
0.059189	0.20168	-0.13855	0.00269	0.192041	2.94E-05	-0.21726	2.15E-06	0.180215
0.038825	0.40254	-0.10737	0.0203	0.043675	0.34632	-0.17765	0.00011	-0.00474
0.057016	0.21877	-0.04159	0.36987	0.227223	6.97E-07	-0.17993	9.24E-05	0.149988
0.079884	0.08463	-0.07518	0.1047	0.239808	1.56E-07	-0.20198	1.09E-05	0.187791
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0.009923	0.83066	-0.16829	0.00026	0.127389	0.00584	-0.27295	2.01E-09	0.088522
0.013624	0.76903	-0.14554	0.00161	0.097435	0.0353	-0.26264	8.31E-09	0.028506
0.077857	0.09285	-0.11331	0.01428	0.107238	0.02045	-0.23798	1.95E-07	0.080907
0.075209	0.10454	-0.09455	0.04112	0.124778	0.00694	-0.25434	2.50E-08	0.087902
0.013996	0.76292	-0.10154	0.02822	0.18534	5.59E-05	-0.17729	0.00012	0.205149
-0.18378	6.47E-05	-0.05669	0.22141	-0.27297	2.01E-09	-0.0569	0.21973	-0.14608
-0.05381	0.24578	-0.12624	0.0063	-0.03024	0.51453	-0.30224	2.55E-11	-0.15346
-0.00194	0.96672	-0.15549	0.00075	0.066439	0.15172	-0.28373	4.27E-10	-0.00036
0.120755	0.009	-0.04466	0.33557	0.252412	3.21E-08	-0.09685	0.03642	0.129077
0.005869	0.89934	-0.07315	0.11439	0.13396	0.00373	-0.2038	9.03E-06	0.060871
0.079295	0.08696	-0.0823	0.0756	0.153686	0.00086	-0.20763	6.06E-06	0.025544
0.064579	0.16354	-0.02193	0.63641	0.239828	1.56E-07	-0.141	0.00226	0.139423
0.038544	0.40597	0.061421	0.18517	0.298783	4.38E-11	0.020725	0.65508	0.329842
0.056248	0.22504	-0.00981	0.83249	0.153572	0.00087	-0.20304	9.78E-06	0.007108
0.107617	0.02001	0.049594	0.28484	0.271312	2.53E-09	-0.04855	0.2951	0.060122
0.087946	0.05755	-0.14744	0.0014	0.063399	0.17138	-0.24203	1.19E-07	-0.08269
-0.08688	0.06065	0.135794	0.00328	-0.19086	3.30E-05	0.16663	0.0003	-0.08744
0.021732	0.63947	-0.07694	0.09676	0.103474	0.02535	-0.09248	0.04578	-0.06042
0.051474	0.26695	-0.05302	0.25287	0.240685	1.40E-07	-0.16631	0.00031	0.2025
-0.01745	0.70689	0.189408	3.80E-05	-0.07074	0.1269	0.234532	2.95E-07	-0.08732
-0.08048	0.08233	0.079666	0.08548	-0.18811	4.30E-05	0.131736	0.00435	-0.09834
0.099775	0.0311	-0.04216	0.36332	0.152711	0.00093	-0.09087	0.0497	0.161753
0.035253	0.44725	0.003389	0.94178	0.175638	0.00014	-0.16497	0.00034	0.021617
-0.0238	0.60796	-0.12282	0.00788	0.078775	0.08905	-0.24858	5.23E-08	-0.00099
0.009584	0.83635	-0.15451	0.00081	-0.08344	0.07164	-0.27757	1.04E-09	-0.16382
0.016159	0.72762	-0.11136	0.01606	0.025279	0.58582	-0.12732	0.00586	0.191999

0.015022	0.7461	-0.04958	0.28499	0.094433	0.04137	-0.07985	0.08477	0.099872
-0.01812	0.6961	-0.14314	0.00193	-0.0197	0.67109	-0.30729	1.14E-11	-0.08588
-0.04167	0.36888	-0.04766	0.30404	0.03197	0.49069	-0.18872	4.06E-05	-0.10207
0.043678	0.34628	-0.07593	0.10127	0.232618	3.71E-07	-0.17919	9.88E-05	0.190724
0.140814	0.00229	-0.04253	0.35909	0.234061	3.12E-07	-0.18076	8.56E-05	0.039405
0.072477	0.11779	-0.09458	0.04105	0.189805	3.65E-05	-0.18061	8.68E-05	0.174232
0.036377	0.43288	-0.14732	0.00141	0.024531	0.59696	-0.26501	6.03E-09	-0.0173
0.054407	0.24061	-0.16025	0.00051	-0.00427	0.92669	-0.22432	9.72E-07	0.111249
0.029318	0.52739	-0.12872	0.00534	0.006385	0.89055	-0.16277	0.00041	0.149164
0.026649	0.56567	-0.18093	8.43E-05	0.078795	0.08897	-0.29286	1.09E-10	0.189728
0.129352	0.00512	0.02661	0.56623	0.28303	4.73E-10	-0.03969	0.39212	-0.07266
0.037731	0.41594	-0.14689	0.00146	0.114495	0.01329	-0.24188	1.21E-07	0.225461
-0.02591	0.57643	-0.18164	7.90E-05	0.055769	0.22902	-0.2817	5.74E-10	0.020505
-0.04086	0.37835	-0.2021	1.08E-05	0.091469	0.04821	-0.22084	1.44E-06	0.244442
0.091257	0.04874	-0.05211	0.26107	0.255417	2.17E-08	-0.13927	0.00256	0.001048
0.036521	0.43106	-0.06771	0.14403	0.142066	0.00209	-0.17411	0.00016	0.228757
0.021835	0.63789	-0.16216	0.00043	-0.03962	0.39292	-0.21899	1.77E-06	0.028997
0.043136	0.35231	-0.16101	0.00048	0.137452	0.00292	-0.26032	1.14E-08	0.162176
0.00421	0.9277	-0.05098	0.27156	0.019128	0.68013	-0.17805	0.00011	0.016484
0.012496	0.78767	-0.17133	0.0002	0.069337	0.13461	-0.27142	2.49E-09	0.137486
0.010374	0.82308	-0.16611	0.00031	0.072302	0.11869	-0.25107	3.81E-08	0.173673
0.040516	0.38236	-0.15071	0.00109	0.220721	1.46E-06	-0.20245	1.04E-05	0.24004
0.003343	0.94257	-0.05683	0.2203	0.067569	0.14486	-0.19895	1.48E-05	0.022888
0.092271	0.04627	-0.0639	0.16803	0.056912	0.2196	-0.13419	0.00367	0.022221
0.016366	0.72428	-0.0102	0.82604	0.131799	0.00433	-0.10944	0.01799	0.073788
0.036056	0.43695	-0.07248	0.11777	0.11531	0.01265	-0.16051	0.0005	0.160323
0.012997	0.77939	-0.08542	0.06511	0.095055	0.04004	-0.22228	1.23E-06	0.029375
-0.01445	0.75542	-0.1902	3.52E-05	0.014276	0.75831	-0.3015	2.86E-11	0.05626
-0.06433	0.16518	-0.1477	0.00137	-0.04217	0.36326	-0.19405	2.42E-05	0.095102
0.036897	0.42633	-0.07059	0.1277	0.117482	0.01106	-0.09547	0.03918	0.143796
-0.1595	0.00054	-0.05201	0.26201	-0.38971	2.18E-18	-0.0197	0.67104	-0.22457
-0.00169	0.97094	-0.05278	0.25499	0.04783	0.30233	-0.13579	0.00328	0.148021
0.001923	0.96695	-0.0219	0.63695	0.188653	4.08E-05	-0.06151	0.18454	0.296115
0.057556	0.21442	-0.0286	0.53748	0.147524	0.00139	-0.17576	0.00013	0.024291
0.006073	0.89586	-0.13512	0.00344	0.117342	0.01116	-0.22816	6.25E-07	0.091437
0.004356	0.9252	-0.13183	0.00432	0.04218	0.3631	-0.17213	0.00019	0.143478
0.144604	0.00173	0.175971	0.00013	0.439369	1.84E-23	0.077056	0.09627	0.317702
0.079854	0.08475	0.0386	0.40527	0.154139	0.00083	-0.02746	0.55395	0.172467
-0.02198	0.63562	-0.13512	0.00344	0.122011	0.0083	-0.23031	4.87E-07	0.188217
0.037984	0.41283	-0.07322	0.11408	0.154346	0.00082	-0.23373	3.25E-07	-0.05774
-0.06089	0.18899	-0.21493	2.77E-06	-0.00737	0.87378	-0.25447	2.46E-08	0.044258
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-0.06265	0.17654	-0.14878	0.00126	-0.00477	0.91813	-0.22194	1.27E-06	-0.00776
0.032872	0.47854	-0.16208	0.00044	0.140585	0.00233	-0.27427	1.67E-09	0.085503
0.00669	0.88535	-0.09056	0.05048	-0.00371	0.93635	-0.11885	0.01015	0.045293

0.009431	0.83894	-0.10513	0.02308	0.017345	0.70851	-0.20636	6.92E-06	0.028501
0.028983	0.53211	-0.11858	0.01032	0.018215	0.69461	-0.23518	2.73E-07	0.096991
-0.04608	0.32038	-0.23902	1.72E-07	0.045416	0.32743	-0.27374	1.80E-09	0.142078
-0.05812	0.20994	-0.17316	0.00017	0.03306	0.47603	-0.22109	1.40E-06	-0.00991
0.037168	0.42294	-0.21502	2.74E-06	0.031412	0.49829	-0.2433	1.02E-07	0.211142
0.022783	0.62336	-0.12362	0.00748	0.13296	0.004	-0.2531	2.93E-08	0.155111
0.012119	0.79394	-0.19802	1.63E-05	-0.02474	0.59386	-0.29658	6.17E-11	-0.05901
-0.09923	0.03204	0.03985	0.39023	-0.20632	6.96E-06	0.144983	0.00168	-0.05739
0.033625	0.46851	-0.11214	0.01533	0.176899	0.00012	-0.20786	5.92E-06	0.218311
-0.02107	0.64976	-0.17106	0.0002	0.044166	0.34093	-0.23865	1.80E-07	0.027161
-0.09795	0.03433	-0.152	0.00098	-0.00115	0.98023	-0.28155	5.87E-10	0.01477
0.048461	0.29599	-0.05728	0.21667	0.108786	0.01869	-0.2245	9.53E-07	0.091777
0.105245	0.02293	-0.07771	0.09346	0.049339	0.28732	-0.18472	5.93E-05	-0.03862
-0.00461	0.92085	-0.16581	0.00032	0.021524	0.64269	-0.27448	1.62E-09	-0.0198
0.09317	0.04418	-0.06761	0.14463	0.227734	6.57E-07	-0.2044	8.49E-06	0.175123
0.060036	0.19529	-0.05453	0.23953	0.203482	9.34E-06	-0.17585	0.00013	0.082308
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0.033283	0.47306	-0.09074	0.05004	0.131968	0.00428	-0.26813	3.94E-09	-0.03614
0.050541	0.27572	-0.07139	0.12344	0.148319	0.00131	-0.20884	5.33E-06	-0.00055
0.035646	0.44219	-0.18915	3.89E-05	0.088067	0.0572	-0.2316	4.18E-07	0.167635
0.064412	0.16463	-0.15489	0.00078	0.100621	0.0297	-0.23258	3.72E-07	0.152641
0.018216	0.6946	-0.14417	0.00179	0.005528	0.90516	-0.209	5.24E-06	0.156778
0.011217	0.80896	-0.14533	0.00164	0.050863	0.27268	-0.27804	9.76E-10	-0.12328
-0.01765	0.70364	-0.07498	0.10559	0.016277	0.72572	-0.20611	7.11E-06	0.078638
-0.06117	0.18697	-0.14408	0.0018	-0.0007	0.98792	-0.25683	1.80E-08	-0.00556
0.010295	0.8244	-0.08581	0.06391	0.082902	0.07349	-0.14512	0.00166	0.033046
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-0.11442	0.01336	0.059444	0.19974	-0.25732	1.69E-08	0.052853	0.25433	-0.26024
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0.038985	0.40061	-0.09993	0.03084	0.036282	0.43409	-0.19289	2.71E-05	0.11325
0.023035	0.61953	0.034071	0.46264	0.162098	0.00044	-0.02482	0.59265	0.093075
0.045282	0.32885	-0.07278	0.11629	0.097018	0.03609	-0.22826	6.18E-07	-0.04727
0.01912	0.68025	0.006421	0.88993	0.133317	0.0039	-0.19643	1.91E-05	-0.04779
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0.065671	0.15651	-0.06503	0.16059	0.092902	0.04479	-0.1561	0.00071	0.006846
0.03201	0.49015	-0.11824	0.01055	0.126815	0.00607	-0.2022	1.07E-05	0.077413
0.012683	0.78458	-0.16918	0.00024	0.180088	9.10E-05	-0.24096	1.36E-07	0.283679
0.045595	0.32552	-0.0063	0.89202	0.096619	0.03687	-0.13813	0.00278	-0.03817
-0.16758	0.00028	-0.04158	0.36998	-0.30798	1.02E-11	-0.02743	0.55432	-0.15257
0.048408	0.29653	-0.09851	0.03332	0.199066	1.47E-05	-0.21232	3.68E-06	0.101762
0.109605	0.01782	0.003367	0.94214	0.207319	6.26E-06	-0.06507	0.16034	0.109967
-0.01072	0.81724	-0.10744	0.02022	0.026242	0.57162	-0.19308	2.66E-05	0.00129
0.033384	0.47171	-0.2127	3.53E-06	-0.0382	0.41014	-0.24485	8.38E-08	0.107978
0.117732	0.01089	-0.0382	0.41013	0.233005	3.54E-07	-0.10383	0.02484	0.194317

0.148119	0.00133	-0.17539	0.00014	0.082988	0.07318	-0.24343	1.00E-07	-0.05142
0.041682	0.36879	-0.04173	0.36829	0.145853	0.00158	-0.11597	0.01214	0.198348
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-0.02998	0.51803	-0.18621	5.15E-05	-0.0298	0.52058	-0.23659	2.31E-07	-0.06843
0.116426	0.01181	-0.06665	0.1504	0.134429	0.00361	-0.0651	0.16017	0.195002
0.108914	0.01856	-0.04183	0.36705	0.215683	2.55E-06	-0.07143	0.12322	0.210389
0.040134	0.38686	-0.1029	0.02617	0.173146	0.00017	-0.22317	1.11E-06	0.129003
0.040107	0.38718	-0.11373	0.01392	0.01411	0.76104	-0.17588	0.00013	0.082159
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0.004802	0.91758	-0.04403	0.34243	0.118518	0.01037	-0.13872	0.00266	0.135253
0.037168	0.42293	-0.03955	0.39375	0.057991	0.21097	-0.17502	0.00014	0.084275
0.048769	0.29293	-0.08122	0.07956	0.114733	0.0131	-0.08287	0.07359	0.170882
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0.029067	0.53093	-0.09411	0.04207	0.046429	0.31673	-0.23328	3.43E-07	0.025564
0.088037	0.05729	0.018993	0.68226	0.286806	2.71E-10	-0.1513	0.00104	0.115192
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0.123459	0.00756	0.076098	0.10049	0.135418	0.00337	-0.09236	0.04606	-0.06139
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0.094187	0.0419	-0.0514	0.26762	0.078501	0.09017	-0.14344	0.00189	-0.01294
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0.048758	0.29304	-0.10941	0.01802	0.147009	0.00144	-0.2114	4.06E-06	0.042328
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0.066573	0.15089	-0.11464	0.01318	0.128889	0.00528	-0.16688	0.00029	0.21291
0.005855	0.89959	-0.14209	0.00208	-0.05373	0.24654	-0.2204	1.51E-06	0.006084
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0.007129	0.87789	-0.10207	0.02741	0.054441	0.24031	-0.23931	1.66E-07	0.011394
0.011785	0.79949	-0.08176	0.07754	0.169032	0.00024	-0.15068	0.00109	0.100754
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0.04895	0.29114	-0.12143	0.00862	0.165232	0.00034	-0.18235	7.39E-05	0.158215
0.006889	0.88197	-0.16965	0.00023	0.132263	0.00419	-0.26359	7.31E-09	0.131997
0.07253	0.11753	-0.1467	0.00148	0.20237	1.05E-05	-0.22295	1.14E-06	0.21327
0.042926	0.35467	-0.18689	4.83E-05	0.133427	0.00387	-0.26887	3.55E-09	0.200289
0.090254	0.05128	-0.01442	0.7559	0.04121	0.37425	-0.04388	0.34409	-0.01844
0.092668	0.04534	0.037854	0.41443	0.149405	0.0012	0.049402	0.28671	0.0353
0.215214	2.69E-06	0.016856	0.71636	0.115243	0.0127	0.054105	0.24324	-0.00846
0.165854	0.00032	0.014577	0.75338	0.027325	0.55585	0.120605	0.00908	0.107783
0.117562	0.011	0.196571	1.88E-05	0.097183	0.03577	0.250571	4.06E-08	0.292385
0.070168	0.12999	0.025098	0.5885	0.077889	0.09272	-0.02579	0.57823	-0.18666
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0.056606	0.2221	-0.0595	0.1993	-0.00077	0.9868	-0.10897	0.01849	-0.10004
-0.00308	0.94703	0.053408	0.24937	0.092979	0.04462	-0.00925	0.84206	0.038792

0.12219	0.00821	0.021851	0.63765	0.103954	0.02467	-0.0229	0.62154	-0.05277
-0.07599	0.10097	0.086393	0.06212	0.021148	0.6485	0.122286	0.00816	-0.09893
-0.0367	0.42884	0.025762	0.57867	0.004227	0.92741	0.065679	0.15646	-0.10125
-0.05998	0.19573	-0.02267	0.62501	0.016239	0.72634	-0.00603	0.89666	0.00249
-0.06754	0.14502	0.03641	0.43247	-0.03835	0.40838	0.190538	3.40E-05	0.143874
-0.00361	0.93801	-0.02817	0.54374	-0.11149	0.01593	-0.00778	0.86687	-0.08877
0.019389	0.67601	-0.11053	0.01687	-0.06523	0.15933	-0.20079	1.23E-05	-0.13627
0.07207	0.11988	0.041979	0.36539	-0.02954	0.5242	0.04437	0.33869	-0.10022
-0.01157	0.80309	0.104766	0.02356	-0.03688	0.42653	0.106321	0.02156	0.075492
0.069343	0.13458	-0.01796	0.69863	-0.01822	0.69455	-0.02466	0.59501	-0.03689
0.049794	0.28289	0.048805	0.29258	0.078652	0.08956	-0.01515	0.74408	-0.12457
0.080432	0.08251	0.11434	0.01342	0.124552	0.00704	0.21692	2.23E-06	0.223433
0.024494	0.59752	0.029071	0.53088	0.048718	0.29344	0.006426	0.88986	0.007259
-0.03737	0.42043	0.014448	0.7555	0.01918	0.6793	-0.00641	0.89004	-0.06292
-0.06501	0.16075	0.055672	0.22984	0.018303	0.69321	0.005035	0.91358	-0.13543
-0.09215	0.04657	-0.07451	0.1078	0.000887	0.98475	-0.01105	0.81169	-0.06163
-0.01053	0.82038	0.019576	0.67307	0.073776	0.11134	0.021142	0.6486	-0.07664
-0.04015	0.38664	-0.01996	0.66706	-0.00376	0.93544	0.023273	0.61591	-0.0059
0.039799	0.39083	0.036225	0.43481	0.053862	0.24536	0.001007	0.98269	-0.14411
-0.00632	0.89163	0.005551	0.90476	0.008919	0.84757	0.003421	0.94122	-0.05283
0.021685	0.6402	-0.01659	0.72066	-0.08194	0.0769	-0.02287	0.62202	-0.0614
0.003527	0.93941	0.032977	0.47713	0.038318	0.40872	0.039241	0.39752	-0.03186
-0.06985	0.13172	-0.14589	0.00157	-0.00658	0.88715	-0.09781	0.0346	0.05183
-0.00348	0.94014	-0.07363	0.11205	-0.06425	0.16571	0.002366	0.95934	-0.0364
-0.10128	0.02864	0.062003	0.18103	0.007569	0.87042	0.055115	0.23454	-0.05177
-0.08633	0.06231	-0.00222	0.96176	0.031716	0.49414	0.062355	0.17856	0.040748
-0.04221	0.36273	-0.00966	0.83513	0.020542	0.65793	-0.00744	0.87255	-0.07139
-0.03059	0.50961	0.026474	0.56823	-0.01809	0.69654	0.055058	0.23502	-0.12673
-0.00761	0.86977	-0.06195	0.18138	0.066868	0.14908	-0.12355	0.00752	-0.05925
-0.0469	0.31185	0.013847	0.76536	0.021846	0.63772	0.056321	0.22444	-0.06603
0.10923	0.01821	0.473651	1.73E-27	0.422088	1.34E-21	0.322985	8.45E-13	0.04291
-0.02608	0.57401	-0.04597	0.32156	0.023126	0.61814	0.013002	0.77929	0.002323
0.16369	0.00038	0.121197	0.00875	0.159758	0.00053	0.129629	0.00502	0.02796
-0.02814	0.54417	0.03176	0.49355	-0.06358	0.17018	0.074605	0.10737	-0.07333
0.092159	0.04654	0.260237	1.15E-08	0.233054	3.52E-07	0.348297	9.15E-15	0.238941
-0.0026	0.95534	0.011348	0.80678	-0.00857	0.85354	0.04457	0.33652	0.021199
-0.01247	0.78807	0.004388	0.92466	0.001638	0.97184	-0.01126	0.80828	-0.07821
-0.05903	0.20291	-0.01521	0.74304	-0.08328	0.07217	0.065817	0.15559	0.031911
-0.00921	0.84269	0.012399	0.78929	-0.03684	0.42698	-0.0267	0.56488	-0.04653
0.076803	0.09737	0.130435	0.00475	0.247654	5.89E-08	0.079758	0.08512	0.199212
-0.08362	0.071	0.028123	0.54436	0.002988	0.94865	0.117292	0.01119	0.08867
0.018719	0.6866	0.024011	0.60476	0.124008	0.0073	0.009189	0.84301	0.045346
0.140882	0.00228	0.251536	3.59E-08	0.420393	2.01E-21	0.294287	8.77E-11	0.177207
0.015146	0.74409	0.024854	0.59214	-0.0238	0.60787	-0.00221	0.96197	-0.10497
-0.00184	0.96838	0.063208	0.17268	0.058757	0.205	-0.00522	0.91043	-0.14908



0.019463	0.67485	0.024543	0.59678	0.099073	0.03231	0.021823	0.63808	-0.03923
-0.01081	0.81581	0.043019	0.35362	0.021471	0.64351	-0.00958	0.83645	-0.18843
-0.00437	0.92502	0.076065	0.10064	-0.02441	0.59878	0.069029	0.13636	-0.12212
-0.06258	0.17696	-0.02901	0.53168	-0.05546	0.23159	0.015546	0.73757	-0.09322
0.08651	0.06176	-0.09349	0.04346	0.098027	0.03419	-0.12368	0.00745	0.163858
-0.06623	0.15304	0.007569	0.87042	-0.07009	0.13039	-0.0843	0.06875	-0.17341
-0.06358	0.17016	-0.0454	0.32756	-0.0417	0.36855	-0.08215	0.07614	-0.21067
-0.01867	0.6874	-0.01085	0.81504	0.114457	0.01333	-0.06815	0.1414	0.018097
-0.05162	0.26563	-0.18648	5.02E-05	-0.03798	0.41283	-0.14513	0.00166	0.090847
0.010951	0.81342	-0.03022	0.5148	-0.02275	0.6239	0.015595	0.73677	0.025821
-0.07298	0.11527	0.093543	0.04333	-0.145	0.00168	0.082708	0.07416	-0.19586
-0.08134	0.07911	-0.09709	0.03595	-0.08927	0.05389	0.045469	0.32686	0.101313
-0.03609	0.43658	0.01035	0.82348	0.02935	0.52693	0.040827	0.37871	-0.08927
0.166003	0.00031	0.176787	0.00012	0.148061	0.00133	0.142406	0.00204	0.058118
0.023426	0.61359	0.002007	0.96551	0.083487	0.07147	0.005166	0.91135	-0.07071
0.067167	0.14727	0.039312	0.39666	0.086536	0.06169	0.043197	0.35163	-0.02665
-0.05306	0.25246	0.020243	0.6626	0.039223	0.39774	0.089407	0.05351	0.000863
-0.02276	0.62378	0.021663	0.64054	0.04873	0.29332	0.064472	0.16424	0.025899
-0.03771	0.41626	-0.22174	1.30E-06	-0.16749	0.00028	-0.22064	1.47E-06	-0.04664
-0.02567	0.58007	0.015231	0.74271	0.043246	0.35108	0.024915	0.59122	-0.10738
-0.04799	0.30076	0.022272	0.63118	-0.06434	0.16509	-0.01164	0.80196	-0.01775
0.040584	0.38155	0.036787	0.42772	0.078351	0.09079	0.013976	0.76324	-0.06192
-0.00182	0.96878	0.043171	0.35192	-0.00927	0.84169	0.017854	0.70036	-0.05917
0.026205	0.57215	0.054386	0.24079	0.072419	0.11809	0.084635	0.06764	-0.03646
0.098631	0.0331	0.22664	7.45E-07	0.423121	1.04E-21	0.164119	0.00037	0.022819
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-0.01515	0.74399	-0.10837	0.01915	-0.02658	0.56664	-0.126	0.0064	-0.03665
0.079851	0.08476	0.004486	0.92298	0.079338	0.08678	-0.03829	0.40905	0.060386
-0.013	0.77926	0.035121	0.44895	0.109169	0.01828	-0.00107	0.98155	-0.07534
-0.16059	0.00049	-0.21033	4.55E-06	-0.19008	3.56E-05	-0.16135	0.00046	-0.17851
0.00165	0.97164	-0.08075	0.08128	0.136867	0.00304	-0.11688	0.01148	0.099979
-0.00577	0.90108	-0.03224	0.48709	0.071345	0.12366	-0.02207	0.63432	0.038844
-0.08158	0.0782	-0.04663	0.31467	0.003604	0.93809	0.008005	0.86302	-0.02924
-0.05565	0.23	-0.05253	0.25725	0.021962	0.63594	-0.03138	0.49878	-0.09323
-0.01841	0.69158	0.024748	0.59371	0.063002	0.17409	0.003261	0.94397	-0.00341
-0.02734	0.55566	0.017208	0.71071	-0.02393	0.60593	0.056144	0.2259	-0.07534
-0.11287	0.01467	0.033302	0.4728	-0.03835	0.40833	0.027289	0.55636	-0.0338
-0.03246	0.48403	-0.04671	0.31376	-0.04326	0.35098	-0.05681	0.22043	-0.21479
0.090128	0.0516	0.028093	0.54479	0.081206	0.07959	0.038213	0.41001	0.076517
-0.02379	0.60808	0.018863	0.68432	-0.09882	0.03276	-0.00943	0.83896	-0.02061
-0.01256	0.78663	-0.10454	0.02387	-0.07416	0.10949	-0.01961	0.67252	-0.02198
-0.00978	0.83307	-0.04261	0.35818	0.000903	0.98447	-0.05214	0.26085	-0.06616
0.051075	0.27068	-0.00213	0.96332	0.09626	0.03758	-0.14604	0.00155	-0.0487
-0.0013	0.9776	-0.07173	0.12161	-0.10316	0.0258	-0.12316	0.00771	-0.12421
0.009961	0.83001	0.036334	0.43343	0.148056	0.00133	-0.01644	0.72313	0.006153

0.067087	0.14775	0.136503	0.00312	0.070284	0.12935	0.125069	0.00681	0.020195
0.067776	0.14363	0.039882	0.38985	0.078863	0.08869	0.039868	0.39002	0.021097
-0.03294	0.47758	0.074127	0.10964	0.027137	0.55857	0.157465	0.00064	-0.11121
0.003312	0.94309	0.099201	0.03209	0.117344	0.01116	0.108547	0.01896	0.011703
0.017309	0.7091	0.047469	0.306	-0.04764	0.30427	0.04078	0.37926	-0.0685
-0.07893	0.08844	0.04448	0.3375	-0.10544	0.02268	0.081414	0.07882	-0.119
-0.1295	0.00506	0.08152	0.07843	-0.09882	0.03276	0.186689	4.92E-05	-0.07421
-0.08404	0.06962	0.004767	0.91816	-0.05873	0.20523	0.038619	0.40505	-0.133
-0.00786	0.86543	-0.01272	0.784	-0.07749	0.09442	-0.00409	0.92979	0.029777
-0.02256	0.62677	-0.07697	0.09666	0.056303	0.22459	0.010526	0.82053	0.11132
-0.02478	0.59319	-0.01241	0.78903	0.152076	0.00098	-0.06868	0.13837	0.062824
0.004965	0.91479	-0.0342	0.4609	0.031759	0.49356	-0.15952	0.00054	-0.16485
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0.03018	0.51531	0.106901	0.02086	0.095147	0.03985	0.060246	0.19373	-0.02856
0.037456	0.41936	-0.00537	0.90784	0.098553	0.03324	0.000825	0.98581	-0.01182
0.050657	0.27463	0.074357	0.10854	0.172802	0.00018	0.037964	0.41306	-0.00437
-0.02279	0.62325	0.004894	0.91599	-0.06343	0.17115	0.047708	0.30357	-0.09238
0.047644	0.30423	0.062153	0.17997	0.02853	0.53855	0.101369	0.0285	0.194321
0.019124	0.68019	-0.05989	0.19641	0.057284	0.2166	-0.03474	0.45392	-0.08723
0.01663	0.72001	-0.06888	0.1372	-0.00901	0.84605	-0.12565	0.00655	-0.04058
-0.07438	0.10842	-0.08913	0.05426	-0.03963	0.39281	-0.10984	0.01757	-0.13697
0.005394	0.90744	-0.11395	0.01375	0.047396	0.30675	-0.12308	0.00775	0.087692
-0.00402	0.93095	-0.00955	0.83689	0.017882	0.69992	-0.0189	0.68373	-0.10046
-0.04617	0.31942	-0.04315	0.35219	-0.02428	0.60066	-0.06473	0.16255	-0.08073
0.108558	0.01895	0.032259	0.48679	0.017086	0.71267	0.021795	0.63851	0.011825
0.064438	0.16446	0.032056	0.48954	0.07411	0.10972	0.030693	0.50819	-0.0068
-0.03179	0.4931	0.06117	0.18697	0.055625	0.23023	0.114021	0.01368	-0.06115
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-0.039	0.40043	0.006785	0.88373	0.032999	0.47684	0.023423	0.61364	0.011765
-0.014	0.76285	-0.03147	0.49746	0.013289	0.77455	-0.08747	0.05891	-0.0583
-0.05358	0.24782	-0.07921	0.08728	-0.00746	0.87222	-0.04241	0.36045	0.005697
-0.08305	0.07298	-0.07636	0.0993	-0.03795	0.41321	-0.03639	0.43268	-0.01018
-0.01904	0.68146	0.014689	0.75156	0.008489	0.85483	-0.00493	0.91537	-0.07759
-0.00366	0.93712	0.008709	0.85111	0.022326	0.63036	0.054005	0.24411	0.054917
-0.00103	0.98237	0.002255	0.96124	0.043013	0.35369	-0.01995	0.66716	0.086363
0.020233	0.66276	0.024063	0.60398	0.181795	7.78E-05	0.001538	0.97355	0.048273
-0.02763	0.55138	-0.12909	0.00521	-0.04952	0.28557	-0.17127	0.0002	-0.0638
0.109788	0.01763	0.157676	0.00063	0.211614	3.97E-06	0.141246	0.00222	0.144197
-0.01157	0.80308	0.093684	0.04302	0.115775	0.01229	0.077764	0.09324	0.05712
-0.0561	0.22624	0.069365	0.13445	0.012485	0.78786	0.039616	0.39303	-0.02682
-0.12316	0.00771	-0.09426	0.04174	-0.22653	7.55E-07	-0.07842	0.0905	-0.02796
-0.0861	0.063	-0.1418	0.00213	-0.24791	5.70E-08	-0.14421	0.00178	-0.13464
-0.03384	0.46573	0.018471	0.69054	0.039295	0.39688	0.045403	0.32756	-0.10106
-0.06495	0.1611	0.054032	0.24387	0.002269	0.961	-0.00528	0.90933	-0.12833
-0.10282	0.02629	-0.07369	0.11174	0.043105	0.35266	-0.07676	0.09755	-0.0341

-0.03356	0.46938	0.029778	0.52092	-0.02161	0.64134	0.035713	0.44134	-0.09351
-0.06033	0.19312	0.014448	0.75549	-0.11266	0.01486	0.023851	0.60717	-0.05767
-0.00111	0.98086	0.055614	0.23032	-0.01319	0.77616	0.068871	0.13726	-0.06072
-0.11481	0.01305	-0.02423	0.60149	-0.1293	0.00513	-0.05002	0.28068	-0.08934
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0.01749	0.7062	0.070166	0.13	-0.08091	0.08068	0.001134	0.9805	-0.19149
-0.02323	0.61656	-0.00364	0.93751	-0.12243	0.00808	-0.09722	0.03571	-0.19252
-0.07622	0.09993	-0.14924	0.00122	-0.21678	2.26E-06	-0.08969	0.05276	-0.00261
0.08158	0.07821	-0.03111	0.50245	0.112228	0.01525	-0.09702	0.03608	0.04243
0.014301	0.75791	0.051022	0.27118	0.070766	0.12674	0.053895	0.24507	0.021499
0.057174	0.21748	0.012751	0.78345	-0.0066	0.88684	0.021949	0.63614	-0.04217
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-0.02311	0.61845	-0.04593	0.32201	0.062762	0.17574	-0.05895	0.20347	0.050872
-0.04608	0.32038	0.131028	0.00457	0.102507	0.02675	0.17145	0.0002	0.130296
-0.02848	0.53933	0.002258	0.96119	0.003433	0.94103	0.025197	0.58703	-0.10747
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0.021195	0.64778	0.176318	0.00013	0.022247	0.63155	0.173023	0.00017	-0.09535
-0.02511	0.58828	0.01439	0.75644	0.049655	0.28424	0.023304	0.61543	-0.06062
-0.0059	0.89875	-0.10551	0.02258	-0.13892	0.00262	-0.06165	0.18355	0.028926
-0.01401	0.76267	0.012871	0.78146	-0.03707	0.42422	0.02985	0.51992	-0.13662
-0.01325	0.77516	-0.02458	0.59618	-0.0543	0.24155	0.005147	0.91167	0.065719
-0.06577	0.15587	0.015268	0.7421	-0.02741	0.55456	0.043821	0.34472	-0.10236
-0.13591	0.00325	-0.16792	0.00027	-0.22189	1.28E-06	-0.1265	0.00619	-0.04503
-0.07127	0.12406	-0.03599	0.43774	-0.12246	0.00807	0.001918	0.96702	-0.04849
-0.08925	0.05393	0.034393	0.45841	-0.08653	0.06171	0.013569	0.76994	0.023297
-0.01916	0.67963	0.04558	0.32567	0.008757	0.8503	0.082249	0.07579	-0.13479
-0.06813	0.14155	-0.0743	0.10881	0.029748	0.52134	-0.1068	0.02098	-0.07847
0.017301	0.70923	0.036974	0.42537	0.018257	0.69394	-0.00286	0.9509	0.040735
0.010639	0.81863	0.134318	0.00364	0.058277	0.20873	0.137012	0.00301	0.00625
-0.06141	0.18526	-0.00104	0.98211	0.003666	0.93702	0.065469	0.1578	0.035266
-0.03911	0.3991	-0.05719	0.21737	-0.09511	0.03994	0.043953	0.34326	0.02445
-0.00612	0.89498	0.009836	0.83211	0.020854	0.65308	-0.00148	0.97458	-0.07291
-0.11134	0.01608	-0.06555	0.15729	-0.19581	2.03E-05	-0.0238	0.60789	-0.12011
-0.05329	0.25046	0.120966	0.00888	0.167965	0.00027	0.118476	0.01039	0.066282
-0.01442	0.75591	0.017147	0.71169	0.06376	0.16895	0.0266	0.56638	-0.0497
0.009276	0.84154	0.067595	0.1447	0.170855	0.00021	0.03177	0.49341	0.178254
-0.03075	0.50742	-0.01544	0.73927	-0.00238	0.95913	-0.00743	0.87283	-0.08571
-0.0508	0.27327	-0.0149	0.74812	-0.02853	0.53856	0.054686	0.2382	-0.04487
0.062087	0.18044	0.036084	0.4366	0.060275	0.19351	0.03136	0.49901	-0.01806
-0.00315	0.94588	-0.00402	0.93097	0.04788	0.30183	0.012532	0.78708	-0.07448
-0.05418	0.24258	-0.03279	0.47963	-0.00488	0.91622	0.00473	0.91881	-0.07288
0.023358	0.61463	-0.04138	0.37223	0.095786	0.03853	-0.02957	0.52384	0.01995
0.066747	0.14983	0.046937	0.31146	0.157633	0.00063	-0.03284	0.47901	-0.05322
-0.05277	0.25511	-0.08976	0.05257	-0.12143	0.00862	-0.07259	0.11724	0.109882
0.03822	0.40993	0.077212	0.0956	0.114168	0.01356	0.040998	0.37671	0.02776

-0.06983	0.13184	-0.07451	0.10783	-0.14528	0.00164	-0.063	0.17409	-0.09988
-0.07411	0.10974	-0.05083	0.27301	-0.09703	0.03608	-0.04784	0.30224	-0.04168
-0.03367	0.46787	-0.01358	0.76981	0.031109	0.50246	0.016716	0.71864	-0.03479
0.278731	8.83E-10	0.085573	0.06465	0.145343	0.00164	0.119399	0.00981	-0.02886
-0.00195	0.96641	-0.06346	0.171	0.060521	0.1917	-0.11478	0.01307	-0.01532
-0.0126	0.78591	-0.06757	0.14485	-0.00023	0.996	-0.09197	0.04699	-0.0052
-0.12256	0.00801	0.028361	0.54096	-0.09353	0.04336	0.060404	0.19257	-0.12863
-0.05306	0.25248	0.013575	0.76984	-0.03872	0.40388	0.032835	0.47903	-0.08799
-0.0345	0.45696	-0.0219	0.63694	-0.00802	0.86276	-0.01622	0.72668	0.012163
-0.05409	0.24332	0.007589	0.87008	-0.02488	0.59178	0.052633	0.25632	-0.10933
-0.05469	0.2382	0.025595	0.58115	-0.02181	0.63826	0.079	0.08814	-0.08734
0.040723	0.37992	-0.04838	0.2968	-0.06317	0.17293	-0.06194	0.18149	-0.05194
0.013854	0.76524	-0.01403	0.76234	-0.03986	0.39013	0.092614	0.04546	0.025365
-0.06919	0.13543	0.015593	0.73681	-0.07117	0.12459	0.003223	0.94461	-0.21519
-0.06515	0.15985	-0.08442	0.06835	-0.06849	0.13943	-0.05142	0.26746	0.114572
0.03564	0.44227	-0.16374	0.00038	-0.13692	0.00303	-0.12768	0.00573	0.048529
-0.02149	0.64323	-0.09742	0.03532	-0.04567	0.32471	-0.03894	0.4012	0.139557
-0.03176	0.49361	0.033561	0.46936	0.062979	0.17424	-0.0192	0.67903	-0.04411
-0.06533	0.1587	0.02309	0.6187	0.036893	0.42638	0.039851	0.39021	0.012257
-0.03472	0.4541	-0.03709	0.42386	-0.01231	0.79082	-0.0098	0.83267	-0.03339
-0.06114	0.18722	-0.03217	0.48793	-0.09099	0.04941	-0.02238	0.62953	-0.0236
-0.1192	0.00993	-0.00901	0.84595	-0.17844	0.00011	-0.00879	0.84977	-0.22561
0.037046	0.42446	-0.03151	0.49692	0.128529	0.00541	-0.08811	0.05709	-0.00272
-0.07302	0.11508	-0.03684	0.42704	-0.0354	0.44535	0.004904	0.91583	-0.0592
-0.0543	0.24153	0.020549	0.65782	-0.12237	0.00811	-0.05773	0.21306	-0.18904
-0.03496	0.45101	-0.04193	0.36596	0.004044	0.93054	-0.03389	0.46507	-0.03011
0.05018	0.27918	-0.05798	0.21103	-0.03047	0.5113	-0.04367	0.34638	0.016436
-0.01798	0.69828	0.056218	0.22529	0.01723	0.71036	0.127907	0.00564	-0.06392
-0.00115	0.98031	0.030185	0.51524	-0.00217	0.9627	0.031742	0.49379	-0.13916
-0.18323	6.81E-05	-0.01567	0.73563	-0.1838	6.46E-05	-0.04631	0.318	-0.20282
-0.03072	0.5078	-0.11382	0.01386	0.059221	0.20143	-0.13128	0.00449	-0.0963
0.041074	0.37583	0.03355	0.4695	0.097181	0.03578	0.041292	0.37329	0.07831
-0.03205	0.48956	0.011794	0.79934	-0.01101	0.81246	0.025746	0.57891	-0.1285
-0.0828	0.07384	-0.05796	0.2112	0.001159	0.98008	-0.03301	0.47676	-0.03939
-0.0473	0.30776	0.016883	0.71594	-0.04835	0.29707	0.065217	0.15941	-0.05634
-0.05996	0.19584	0.002915	0.9499	0.004422	0.92407	-0.04934	0.28729	-0.07196
-0.0072	0.87663	0.010944	0.81354	0.014854	0.74884	0.041449	0.37148	-0.08222
-0.0664	0.15198	-0.13948	0.00252	0.013369	0.77324	-0.16996	0.00022	0.069947
-0.09181	0.04737	-0.04713	0.30951	-0.0027	0.9536	-0.074	0.11026	-0.10997
0.003943	0.93227	-0.03919	0.39813	0.153081	0.0009	-0.05981	0.19699	-0.00164
-0.02102	0.65055	-0.02839	0.54051	-0.1037	0.02503	0.040008	0.38835	-0.04337
-0.05166	0.26521	0.016687	0.71909	-0.04763	0.3044	0.108131	0.01942	0.051912
-0.08959	0.05303	-0.05751	0.2148	-0.16025	0.00051	0.013926	0.76406	-0.08437
-0.07923	0.08722	-0.01858	0.68886	-0.01543	0.73945	-0.04733	0.30742	-0.0485
-0.02387	0.60687	0.041001	0.37668	0.006552	0.8877	0.041804	0.36739	-0.10883

-0.05271	0.25561	0.018385	0.69191	0.048275	0.29786	0.013853	0.76527	-0.13461
-0.04341	0.34928	-0.02397	0.60544	0.036528	0.43098	-0.00817	0.86027	-0.01706
-0.0584	0.20778	-0.03893	0.40128	0.039054	0.39978	-0.0955	0.03911	-0.07604
0.036564	0.43053	0.022847	0.62239	0.077163	0.09581	-0.03317	0.47454	-0.04148
-0.07331	0.11363	0.015859	0.73249	-0.18264	7.19E-05	0.079311	0.08689	0.015505
0.04903	0.29036	0.108007	0.01956	0.173117	0.00017	0.139037	0.0026	0.040342
0.013556	0.77015	-0.07626	0.09978	0.058674	0.20564	-0.09404	0.04222	0.032807
-0.04279	0.35623	-0.00341	0.94138	-0.0079	0.86474	0.053928	0.24478	-0.01628
-0.02744	0.5542	0.000118	0.99797	-0.01615	0.72779	0.044044	0.34226	-0.03966
0.03768	0.41657	-0.0211	0.64928	0.121152	0.00877	-0.0574	0.21569	0.021216
-0.05907	0.20261	-0.02227	0.63127	-0.073	0.11514	-0.01204	0.79524	-0.08
-0.0499	0.28186	0.041511	0.37076	-0.02563	0.58066	0.092842	0.04493	-0.09338
0.027394	0.55485	0.140233	0.00239	-0.06197	0.18126	0.054793	0.23729	-0.1019
-0.00779	0.8667	0.073055	0.11489	0.078683	0.08942	0.091458	0.04824	-0.07941
-0.00156	0.97316	-0.03572	0.44128	0.023122	0.6182	-0.02435	0.59963	-0.02792
0.030794	0.5068	-0.0392	0.39798	0.043058	0.35319	-0.03851	0.40641	0.097313
-0.08638	0.06216	-0.06118	0.18689	-0.13265	0.00408	-0.05522	0.23363	-0.09016
-0.08708	0.06006	-0.08726	0.05954	-0.12359	0.0075	-0.10381	0.02488	-0.10656
-0.02436	0.59952	0.058942	0.20358	-0.02549	0.58273	0.088864	0.05498	-0.09523
0.003072	0.94721	0.023851	0.60717	0.07386	0.11093	-0.03575	0.44084	-0.0357
-0.01999	0.66662	-0.07594	0.10122	-0.01234	0.79024	-0.00368	0.93686	0.114761
-0.07253	0.11753	0.017902	0.69959	-0.00503	0.91368	-0.04756	0.30511	0.015625
-0.03693	0.42587	-0.07198	0.12034	0.039767	0.39122	-0.02553	0.5821	0.068602
-0.0603	0.19334	0.056443	0.22344	-0.01086	0.81498	0.085075	0.06623	-0.07797
0.190338	3.47E-05	0.124101	0.00725	0.139611	0.0025	0.127473	0.0058	0.017769
0.024599	0.59594	0.069107	0.13591	0.038537	0.40604	0.039503	0.39438	-0.0302
0.082766	0.07396	0.171643	0.00019	0.24139	1.29E-07	0.246298	6.98E-08	0.100123
-0.10722	0.02048	-0.07204	0.12002	-0.0501	0.27992	-0.02872	0.53589	-0.03795
-0.13229	0.00419	-0.02063	0.65653	-0.15733	0.00064	0.034427	0.45797	-0.11183
-0.05371	0.24671	-0.15744	0.00064	-0.12084	0.00895	-0.1511	0.00105	0.005527
-0.06455	0.1637	-0.01698	0.71444	-0.08334	0.07197	0.036864	0.42675	-0.11531
-0.05819	0.20938	-0.00509	0.91256	0.003235	0.94442	0.03524	0.44741	-0.08862
0.035694	0.44157	0.09028	0.05121	0.049476	0.28599	0.1315	0.00442	0.25442
0.076837	0.09722	0.07215	0.11946	0.061169	0.18698	0.135165	0.00343	-0.00589
-0.02159	0.64168	0.011668	0.80145	0.023378	0.61431	0.027859	0.54814	-0.13342
-0.04436	0.33881	0.026992	0.56066	-0.00255	0.95621	0.058612	0.20612	-0.14058
-0.1146	0.01321	-0.10976	0.01766	-0.12215	0.00823	-0.0927	0.04527	-0.13197
0.085588	0.0646	0.065253	0.15918	0.176635	0.00012	-0.03211	0.48887	-0.00787
-0.04973	0.28353	0.073118	0.11457	0.021655	0.64066	0.019967	0.66693	-0.26301
-0.00118	0.97971	-0.01748	0.70629	0.02566	0.58018	-0.10879	0.01869	-0.01145
0.070287	0.12934	0.137313	0.00294	0.085151	0.06598	0.063062	0.17367	-0.01397
-0.11913	0.00997	-0.09027	0.05122	-0.0157	0.73511	-0.11062	0.01678	-0.02253
0.034786	0.45329	0.213942	3.09E-06	0.181854	7.74E-05	0.233318	3.41E-07	0.012323
-0.04273	0.35685	-0.05683	0.22024	-0.12919	0.00517	-0.06489	0.16148	-0.15272
0.046414	0.31689	0.006298	0.89203	-0.03716	0.42302	0.005571	0.90444	-0.07421

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0.002708	0.95346	-0.06849	0.13943	0.063304	0.17203	-0.07363	0.11205	0.179794
-0.09476	0.04067	-0.11176	0.01568	-0.00349	0.93997	-0.10583	0.02218	-0.01188
-0.02621	0.57213	-0.09441	0.04141	0.009763	0.83334	-0.2105	4.47E-06	-0.06049
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0.080178	0.08349	0.250653	4.02E-08	0.345981	1.41E-14	0.198023	1.63E-05	0.018315
0.024786	0.59315	-0.00135	0.97677	-0.01699	0.71417	-0.05874	0.20514	-0.01589
-0.12967	0.00501	-0.06901	0.13649	-0.07375	0.11147	-0.05851	0.20695	0.03559
-0.00182	0.96864	-0.01732	0.70892	0.04581	0.32324	0.015516	0.73805	-0.03045
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-0.02698	0.56081	-0.02923	0.52858	0.031098	0.50261	-0.00939	0.83962	-0.08163
-0.08158	0.07822	-0.02707	0.55954	-0.05966	0.1981	0.035105	0.44916	-0.04484
-0.02632	0.57052	0.022161	0.63288	0.016976	0.71444	0.049816	0.28268	-0.07305
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0.034421	0.45804	-0.0132	0.77607	0.154522	0.00081	-0.01191	0.79741	0.076468
-0.04881	0.2925	0.007881	0.86512	0.009382	0.83975	0.047301	0.30772	-0.04594
-0.03235	0.48552	-0.02628	0.57109	0.043887	0.34398	-0.03053	0.51039	-0.09048
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0.004772	0.91808	-0.03822	0.40991	0.015383	0.74023	-0.07106	0.12518	-0.0291
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-0.0288	0.53468	0.046076	0.32043	0.001561	0.97317	0.086776	0.06096	-0.08344
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0.268825	3.57E-09	0.395793	5.78E-19	0.358572	1.29E-15	0.451033	8.80E-25	0.020892
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-0.04372	0.34578	0.062006	0.18101	0.03047	0.51128	0.150292	0.00112	-0.0256
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0.078565	0.08991	-0.03423	0.4606	0.060799	0.18967	-0.08253	0.07478	-0.10341
-0.03606	0.43689	-0.00373	0.93586	-0.00265	0.9545	0.051463	0.26705	-0.05929
-0.04127	0.3735	0.110145	0.01726	0.187371	4.61E-05	0.174449	0.00015	0.115117
0.038639	0.40481	0.047877	0.30186	-0.00019	0.99678	0.007299	0.875	-0.04671
-0.1187	0.01025	0.011808	0.7991	-0.01208	0.79467	0.078022	0.09216	-0.09815
0.003745	0.93568	-0.04926	0.28806	-0.00184	0.96845	-0.06035	0.19295	0.014932
0.115169	0.01276	0.111133	0.01628	0.210289	4.57E-06	0.056038	0.22678	0.080327
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-0.01166	0.80159	-0.13554	0.00334	-0.00418	0.92818	-0.21365	3.18E-06	-0.06202
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0.011127	0.81047	-0.13742	0.00292	0.079652	0.08554	-0.07634	0.09942	0.093125
-0.13344	0.00387	-0.01996	0.66708	0.039561	0.39368	-0.06916	0.1356	-0.00464
-0.03166	0.49488	0.018107	0.69634	0.011485	0.8045	0.034219	0.46069	-0.13816
-0.05647	0.22323	-0.04744	0.30626	-0.13032	0.00479	-0.07314	0.11448	-0.00583
0.047132	0.30946	0.118336	0.01049	0.102625	0.02658	0.065878	0.15521	-0.0642
0.059402	0.20006	-0.04718	0.30901	0.133843	0.00376	-0.09371	0.04296	0.008361
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0.003181	0.94533	-0.11333	0.01427	0.017245	0.71012	-0.08388	0.07014	0.071218
0.029352	0.52691	-0.00021	0.99632	0.116448	0.01179	0.00672	0.88484	0.012532
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-0.05471	0.23802	-0.01074	0.81692	0.00888	0.84822	-0.03753	0.41839	-0.08593
-0.08914	0.05422	0.019726	0.6707	-0.06503	0.16064	-0.00778	0.86687	-0.14602
-0.00583	0.89998	-0.03952	0.39413	0.051521	0.26651	-0.1305	0.00473	-0.10615
-0.00489	0.9161	-0.09426	0.04175	-0.08262	0.07446	-0.17973	9.40E-05	-0.20575
-0.0339	0.46485	-0.00716	0.87731	-0.04487	0.33331	-0.03402	0.4633	-0.09293
0.057158	0.21761	-0.01293	0.78049	-0.03712	0.42353	-0.04737	0.30699	-0.06467
0.030243	0.51444	0.031487	0.49728	-0.06198	0.1812	-0.04051	0.3824	-0.0051
-0.07281	0.11611	0.109911	0.0175	-0.17815	0.00011	0.112672	0.01485	-0.2358
-0.04096	0.37719	-0.02655	0.56713	-0.12069	0.00904	-0.02064	0.65643	-0.02698
0.068916	0.137	0.13401	0.00372	0.135933	0.00325	0.098755	0.03287	-0.12455
-0.09333	0.04381	-0.0178	0.70123	-0.07645	0.09892	-0.00874	0.85061	-0.10999
0.00387	0.93353	-0.02038	0.66042	0.052222	0.26006	0.012988	0.77953	-0.04544
0.083066	0.07291	0.232415	3.80E-07	0.274636	1.58E-09	0.285986	3.06E-10	0.303746
0.006246	0.89292	-0.0063	0.89201	0.033253	0.47345	-0.02478	0.59319	0.014826
-0.00434	0.92553	0.011801	0.79922	0.10941	0.01802	0.029451	0.52552	0.042487
-0.04281	0.35601	-0.04554	0.32613	-0.04228	0.36191	0.028949	0.5326	-0.03715
-0.11129	0.01613	-0.04514	0.33038	-0.16635	0.00031	-0.06511	0.16007	-0.11521
0.01377	0.76663	-0.08646	0.06192	0.128855	0.00529	-0.11978	0.00958	0.081961
0.017037	0.71345	-0.01713	0.71198	-0.01348	0.77138	-0.04638	0.31722	0.01959
0.056737	0.22103	0.036811	0.42741	0.043825	0.34467	0.008413	0.85611	-0.05131
-0.08301	0.07312	-0.12465	0.00699	-0.12525	0.00672	-0.09008	0.05172	-0.16838
-0.28278	4.91E-10	-0.12666	0.00613	-0.30207	2.62E-11	-0.06387	0.16821	-0.10648
0.037275	0.4216	0.004481	0.92307	0.035953	0.43827	-0.06949	0.13378	-0.1545
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-0.05507	0.23489	0.016617	0.72023	0.028843	0.5341	-0.02694	0.56137	-0.16725
-0.05414	0.24295	0.09807	0.03411	0.189268	3.85E-05	0.239314	1.66E-07	0.221469
-0.03169	0.49452	0.055969	0.22735	0.033864	0.46536	0.129826	0.00496	0.05853
0.001057	0.98182	0.114689	0.01314	0.198063	1.62E-05	0.163498	0.00039	0.033756
-0.03366	0.46804	0.150186	0.00113	0.185823	5.34E-05	0.193062	2.66E-05	0.051311
-0.01718	0.71118	0.098029	0.03419	0.227364	6.86E-07	0.189143	3.89E-05	0.110691
0.024892	0.59157	0.085796	0.06395	0.248893	5.03E-08	0.233929	3.17E-07	0.064237
0.029588	0.52358	0.033725	0.46719	0.184938	5.81E-05	0.028956	0.5325	0.048333
0.104894	0.02339	0.038135	0.41097	0.190568	3.39E-05	0.017603	0.70437	0.056593
0.001995	0.96571	-0.12916	0.00518	-0.02877	0.53516	-0.18261	7.22E-05	-0.17742
0.071315	0.12381	-0.0178	0.70128	-0.05115	0.26996	-0.08352	0.07136	-0.01786
-0.03626	0.43437	-0.07174	0.12157	-0.0585	0.20701	-0.04972	0.28358	0.023864
0.007424	0.87288	0.145075	0.00167	0.024042	0.6043	0.173582	0.00016	-0.03284
0.101323	0.02857	0.290621	1.53E-10	0.331458	1.94E-13	0.214237	2.99E-06	0.190206
0.021836	0.63788	0.019187	0.6792	0.040707	0.38011	0.005191	0.91092	-0.00548
-0.14024	0.00239	-0.0646	0.16342	-0.19571	2.05E-05	-0.17151	0.0002	-0.27168
0.011688	0.80111	-0.03922	0.39774	0.130388	0.00477	-0.0342	0.46093	-0.02019
-0.02875	0.53543	0.071772	0.12142	0.161374	0.00046	0.125345	0.00668	0.189993

0.016791	0.71742	0.002856	0.95092	0.10009	0.03057	-0.01317	0.77657	-0.08103
0.077082	0.09616	0.139253	0.00256	0.243639	9.74E-08	0.21373	3.16E-06	0.338324
-0.00597	0.89754	0.143042	0.00194	-0.07076	0.12675	0.144131	0.00179	-0.18916
-0.04074	0.37968	0.046817	0.3127	-0.0392	0.39806	-0.05589	0.22801	-0.17737
-0.04627	0.31839	0.099129	0.03221	-0.01422	0.75925	0.147106	0.00143	-0.00943
-0.12546	0.00663	0.105691	0.02236	-0.09953	0.03152	0.078011	0.09221	-0.19408
0.161354	0.00046	0.071362	0.12357	0.135166	0.00343	0.038849	0.40226	0.044875
-0.06063	0.19088	0.016424	0.72335	-0.12955	0.00505	-0.01977	0.67	-0.16224
-0.02435	0.59966	0.019854	0.66869	-0.01745	0.70681	0.017777	0.70159	-0.10218
-0.04458	0.33641	-0.03749	0.41899	-0.03191	0.49152	0.003166	0.94559	-0.09211
-0.02648	0.56807	0.029108	0.53034	-0.01437	0.75673	0.027394	0.55484	-0.14343
-0.09484	0.04051	0.045782	0.32353	-0.05426	0.24185	0.066624	0.15058	-0.02078
-0.00378	0.93508	0.008266	0.8586	0.057809	0.21242	0.003214	0.94478	-0.08014
0.000136	0.99766	-0.09342	0.04362	0.045997	0.32127	-0.09692	0.03629	-0.04012
-0.00461	0.92089	0.014981	0.74678	0.055419	0.23196	0.017181	0.71114	-0.08072
-0.01409	0.76136	-0.09311	0.04432	-0.06484	0.16184	-0.04035	0.38431	-0.00375
-0.01018	0.82629	-0.01327	0.7748	0.041677	0.36885	0.021913	0.63669	-0.1053
-0.003	0.9485	-0.01441	0.75608	0.114787	0.01306	0.010392	0.82278	-0.01388
-0.00485	0.91667	-0.03198	0.49054	0.0711	0.12496	-0.01184	0.79857	-0.0382
0.02038	0.66046	-0.02513	0.588	0.157735	0.00062	-0.02796	0.54674	0.010479
-0.03605	0.43702	-0.01829	0.69347	0.026158	0.57285	0.010565	0.81987	-0.10949
-0.04013	0.38686	0.020462	0.65918	0.008257	0.85875	0.062416	0.17813	-0.07721
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0.005791	0.90067	-0.00657	0.88746	0.027577	0.55221	-0.04461	0.33608	-0.03947
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-0.03822	0.40993	-0.05529	0.23309	0.063281	0.17219	-0.0984	0.03351	-0.05859
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-0.18777	4.44E-05	-0.08407	0.0695	-0.19329	2.61E-05	-0.05225	0.25984	-0.12382
-0.10489	0.02339	-0.03669	0.42892	-0.06428	0.16547	0.070306	0.12924	0.043268
0.040013	0.38829	0.001002	0.98277	-0.02342	0.6137	0.056856	0.22006	-0.03656
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-0.03005	0.51714	-0.12463	0.00701	-0.03489	0.45188	-0.05216	0.26064	0.038638
-0.05236	0.25882	0.007427	0.87283	-0.00155	0.97342	0.05105	0.27091	-0.02205
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0.017544	0.70532	0.106942	0.02081	-0.00742	0.87295	0.067149	0.14738	-0.13172
0.036054	0.43699	0.089391	0.05355	0.15777	0.00062	0.076111	0.10044	-0.04763
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0.003908	0.93288	-0.05471	0.23801	-0.0649	0.16145	-0.06607	0.154	0.008656
-0.02509	0.58865	-0.01772	0.70251	-0.04386	0.34427	-0.06987	0.13166	0.025486
0.018159	0.6955	0.003471	0.94037	-0.0077	0.86813	0.013839	0.7655	0.045838
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0.006557	0.88762	0.015188	0.74339	0.051463	0.26705	0.045316	0.32849	-0.02763
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0.011852	0.79838	-0.10233	0.02702	0.140595	0.00232	-0.1342	0.00367	-0.0025
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0.043555	0.34765	0.033447	0.47087	0.103075	0.02592	0.027442	0.55416	-0.06081
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0.035833	0.4398	-0.01792	0.69939	0.080702	0.08148	-0.054	0.24412	-0.06795
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0.019687	0.67132	-0.03073	0.50771	0.040749	0.37962	-0.01576	0.73408	0.0192
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0.034685	0.4546	0.005353	0.90815	0.066415	0.15186	-0.04904	0.29026	-0.01808
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0.047846	0.30217	0.022485	0.62792	0.054796	0.23726	-0.04774	0.30328	-0.13357
0.040714	0.38003	-0.10456	0.02384	-0.04943	0.28639	-0.15075	0.00108	-0.06592
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0.023384	0.61422	0.081196	0.07963	-0.08699	0.06033	-0.02981	0.52053	-0.10939
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0.028086	0.54489	-0.05591	0.22786	0.011368	0.80644	-0.06201	0.18098	0.005774
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0.212411	3.64E-06	0.015784	0.73371	-0.01795	0.69884	0.032609	0.48207	-0.11117

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0.00752	0.87125	-0.02794	0.54695	0.018048	0.69726	0.0661	0.15382	-0.13109
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0.073289	0.11372	0.051116	0.27029	0.138828	0.00264	-0.01857	0.68889	-0.0931
0.121777	0.00843	0.022103	0.63377	0.074021	0.11015	0.000619	0.98936	0.025376
0.000115	0.99802	-0.00784	0.86575	0.044642	0.33575	-0.01338	0.77307	-0.11673
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0.025983	0.57542	-0.07916	0.08749	-0.04605	0.32075	-0.04794	0.30127	-0.02724
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0.067248	0.14678	0.082526	0.07481	0.014118	0.76091	0.116162	0.012	-0.09886
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0.000531	0.99088	0.125072	0.00681	0.087091	0.06003	0.106689	0.02111	-0.04196
0.058662	0.20574	-0.09895	0.03252	0.173948	0.00016	-0.1382	0.00276	0.138419
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0.000594	0.98979	-0.02687	0.56241	0.055774	0.22898	-0.04435	0.33894	0.043281
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0.015291	0.74173	-0.03747	0.41916	0.0807	0.08149	-0.08066	0.08165	0.10078
0.003052	0.94756	-0.0683	0.14052	-0.09969	0.03125	-0.07871	0.08931	0.041571
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-0.00724	0.87608	-0.00609	0.89563	0.063823	0.16853	-0.00035	0.99398	-0.06224
-0.02466	0.59507	0.028479	0.53927	0.025313	0.58531	0.002518	0.95672	-0.13188
-0.04682	0.31269	-0.01203	0.79545	0.012001	0.7959	0.026063	0.57425	-0.0232
-0.0058	0.90058	-0.07598	0.10101	-0.12288	0.00785	-0.08453	0.06799	-0.00629
-0.0967	0.03671	-0.16021	0.00051	-0.19985	1.35E-05	-0.17181	0.00019	-0.1153
-0.07718	0.09573	-0.18072	8.59E-05	-0.13136	0.00446	-0.16573	0.00032	-0.04394
-0.02226	0.63129	0.080398	0.08264	0.055189	0.23391	0.113059	0.0145	-0.10392
-0.08642	0.06205	-0.14031	0.00237	-0.06962	0.133	-0.17737	0.00012	0.012403
-0.074	0.11026	-0.0278	0.54894	-0.03119	0.50135	-0.00753	0.87106	-0.12015
0.056008	0.22703	-0.06534	0.15863	0.178238	0.00011	-0.08853	0.05591	0.049283
-0.02195	0.63606	-0.15818	0.0006	-0.00069	0.98807	-0.16844	0.00026	0.027163
-0.02499	0.59015	-0.02629	0.57085	-0.00882	0.84919	-0.02438	0.5992	-0.05096
-0.10009	0.03057	-0.08872	0.05538	-0.13762	0.00288	-0.0958	0.0385	-0.04024
-0.09025	0.05129	-0.10011	0.03055	-0.03009	0.51662	-0.14894	0.00125	-0.11408

0.029285	0.52784	0.035608	0.44268	0.00129	0.97782	0.017558	0.7051	-0.03158
-0.16593	0.00032	-0.12341	0.00759	-0.21912	1.75E-06	0.002921	0.9498	-0.06209
-0.06271	0.1761	0.031698	0.4944	0.064692	0.1628	0.201752	1.12E-05	-0.03599
0.037282	0.42152	-0.04462	0.33597	0.047456	0.30614	-0.04067	0.3806	-0.07491
0.019062	0.68118	0.159155	0.00056	0.180527	8.74E-05	0.236545	2.32E-07	0.040737
0.016731	0.71838	0.056408	0.22372	0.046022	0.321	-0.02994	0.51862	-0.10188
0.012975	0.77974	-0.01051	0.82083	0.083887	0.07012	-0.08135	0.07906	0.09949
0.002154	0.96298	-0.04166	0.36903	0.043582	0.34735	-0.03718	0.42274	-0.04946
-0.00286	0.95083	0.030059	0.51699	0.099499	0.03157	0.074736	0.10675	0.014607
-0.00657	0.88737	-0.08007	0.08391	-0.09762	0.03494	-0.09024	0.05132	-0.16147
-0.02155	0.64223	-0.02431	0.60033	0.094717	0.04076	-0.04691	0.3117	-0.02668
0.068194	0.14117	0.030331	0.5132	0.021727	0.63955	0.024778	0.59327	-0.00638
0.141433	0.00219	-0.04404	0.34228	0.172581	0.00018	-0.05534	0.23262	-0.00517
0.028342	0.54123	-0.02032	0.66144	0.157154	0.00065	0.011843	0.79853	0.007413
0.040031	0.38808	-0.05932	0.20066	0.07191	0.1207	-0.08627	0.0625	0.016903
-0.00065	0.98886	0.003593	0.93827	0.034227	0.46058	0.017155	0.71156	-0.08197
-0.09219	0.04647	0.062699	0.17617	0.009188	0.84302	0.051875	0.26323	0.031911
-0.02714	0.55852	0.009363	0.84007	-0.02187	0.63743	-0.02669	0.56513	-0.02509
-0.02774	0.54983	0.048495	0.29566	0.015428	0.73949	0.107928	0.01965	0.031347
0.022172	0.63271	-0.00446	0.92345	-0.041	0.37673	0.020357	0.66081	-0.04988
0.032828	0.47913	0.046359	0.31746	0.070495	0.1282	0.003794	0.93484	0.01219
-0.08442	0.06835	0.026583	0.56663	-0.06624	0.15294	0.081272	0.07935	0.017737
-0.04209	0.36414	-0.01545	0.73914	-0.06184	0.18215	0.03704	0.42454	-0.04612
-0.00414	0.92884	-0.05674	0.221	-0.0852	0.06582	0.012442	0.78858	-0.07213
-0.02776	0.5496	-0.00858	0.85321	0.062141	0.18006	-0.00345	0.94067	-0.10669
0.041694	0.36866	-0.04905	0.2902	0.111184	0.01623	-0.12357	0.00751	-0.06845
0.017835	0.70066	-0.07251	0.11762	0.101706	0.02797	-0.0654	0.15825	0.090557
0.177866	0.00011	0.027844	0.54836	0.107465	0.02019	0.094568	0.04108	0.037931
0.116693	0.01162	0.184521	6.04E-05	0.235269	2.70E-07	0.232778	3.64E-07	0.063008
-0.06898	0.13662	-0.10276	0.02637	-0.13954	0.00251	0.02818	0.54354	0.101644
-0.07131	0.12382	0.13286	0.00402	0.10141	0.02843	0.076903	0.09693	0.077202
0.111327	0.01609	-0.04385	0.34441	0.171283	0.0002	-0.043	0.35381	0.131866
-0.00478	0.91794	0.023116	0.6183	0.015553	0.73745	0.068967	0.13671	-0.02374
0.009923	0.83064	0.007999	0.86312	-0.07719	0.0957	0.080557	0.08203	0.010134
-0.04773	0.30333	0.038576	0.40558	0.010475	0.82139	0.075244	0.10438	-0.11487
-0.10289	0.02618	0.011285	0.80783	-0.11238	0.01511	-0.03671	0.42874	-0.13
0.085082	0.0662	0.027796	0.54905	0.060843	0.18934	0.016929	0.71519	0.036628
-0.07732	0.09513	-0.00629	0.89213	-0.12007	0.0094	-0.12485	0.00691	-0.26518
-0.15078	0.00108	-0.0754	0.10367	-0.11858	0.01033	-0.12348	0.00755	-0.23599
0.076179	0.10013	0.192645	2.77E-05	0.137964	0.00281	0.194533	2.30E-05	-0.017
0.02827	0.54226	0.004619	0.9207	0.068706	0.1382	0.027619	0.55159	0.040832
0.288413	2.13E-10	0.301283	2.96E-11	0.535519	5.14E-36	0.299228	4.09E-11	0.159355
-0.0114	0.80585	-0.07579	0.1019	-0.08393	0.06998	-0.03542	0.4451	-0.08927
-0.12942	0.00509	-0.18635	5.08E-05	-0.26455	6.42E-09	-0.18854	4.13E-05	-0.17783
0.06096	0.1885	0.035705	0.44143	0.099791	0.03108	-0.01379	0.76622	0.025094

-0.09831	0.03367	-0.07353	0.11252	0.02882	0.53443	-0.09325	0.04399	0.015289
-0.04179	0.36754	-0.09065	0.05025	-0.05795	0.21128	-0.14438	0.00176	-0.07972
-0.0181	0.69646	-0.03891	0.40146	-0.04685	0.31237	-0.09037	0.05096	-0.15825
0.068229	0.14096	0.108037	0.01953	-0.01093	0.8137	0.122675	0.00796	-0.04744
-0.02087	0.65282	0.01658	0.72082	0.081812	0.07736	0.011717	0.80062	0.071236
-0.08767	0.05833	-0.10703	0.0207	-0.20094	1.21E-05	-0.07904	0.08799	0.043322
-0.06329	0.17212	-0.09097	0.04946	-0.12503	0.00682	0.012086	0.79449	0.133912
0.03588	0.4392	0.110696	0.01671	-0.02318	0.61734	0.080561	0.08202	-0.0712
0.027567	0.55236	-0.0516	0.26581	0.053813	0.24579	-0.06722	0.14696	-0.02635
0.055278	0.23316	-0.01266	0.78501	0.078581	0.08984	-0.02097	0.65129	0.062871
0.040467	0.38293	-0.04945	0.2862	0.068961	0.13674	-0.05128	0.26876	0.033843
0.032077	0.48925	0.015098	0.74486	0.085532	0.06478	-0.01202	0.7956	-0.0097
0.016644	0.71978	-0.08519	0.06585	0.025974	0.57556	-0.05222	0.26009	0.068836
-0.14747	0.00139	-0.05568	0.2298	-0.07844	0.09041	-0.07711	0.09603	-0.17104
-0.08976	0.05257	-0.03686	0.42676	-0.03993	0.38922	-0.06346	0.171	-0.10738
0.056544	0.22261	0.131852	0.00431	0.097728	0.03474	0.076108	0.10045	-0.05161
0.095219	0.0397	0.069577	0.13326	0.068926	0.13694	0.047442	0.30628	0.04227
-0.20013	1.32E-05	-0.1591	0.00056	-0.27417	1.69E-09	-0.15294	0.00091	-0.11162
0.067245	0.1468	0.04842	0.2964	0.036052	0.43701	0.024969	0.59043	0.045829
0.031205	0.50114	-0.02453	0.59699	0.075375	0.10378	-0.07858	0.08985	-0.02632
-0.00218	0.9626	0.013706	0.76768	0.003595	0.93823	0.043077	0.35297	-0.04949
-0.03713	0.42338	-0.06395	0.16771	-0.11815	0.01061	-0.10725	0.02044	-0.03325
-0.01238	0.78955	0.150622	0.0011	0.161766	0.00045	0.21898	1.77E-06	-0.01516
0.006109	0.89525	-0.00457	0.92146	0.097039	0.03605	-0.03658	0.43038	0.088528
-0.02006	0.66544	0.036433	0.43218	0.031479	0.49738	0.079162	0.08749	0.190337
-0.02325	0.61632	-0.04008	0.38753	0.023507	0.61237	-0.03607	0.43684	-0.02215
0.011727	0.80047	-0.05541	0.23207	-0.03745	0.41942	0.021182	0.64797	0.089193
-0.01125	0.80845	0.022055	0.6345	0.010495	0.82105	0.063845	0.16838	-0.11012
0.052885	0.25404	0.118268	0.01053	0.157759	0.00062	0.070979	0.1256	0.173615
0.155736	0.00073	0.204698	8.23E-06	0.268885	3.54E-09	0.103966	0.02465	-0.01279
0.010012	0.82915	-0.06527	0.15906	0.006658	0.88589	-0.01707	0.71292	0.027204
-0.02939	0.52636	-0.00406	0.93033	0.01916	0.67961	0.025805	0.57804	-0.08481
-0.01676	0.71788	-0.08144	0.07874	-0.07544	0.10346	-0.12339	0.0076	-0.08152
0.058093	0.21017	-0.016	0.73017	0.139564	0.00251	-0.02778	0.54929	-0.0125
0.063916	0.16791	-0.02287	0.6221	-0.0472	0.30875	0.009694	0.83449	-0.02981
0.08641	0.06207	0.031092	0.50268	0.072979	0.11526	0.102847	0.02625	0.071328
0.030887	0.50551	-0.06237	0.17845	0.012658	0.785	0.026703	0.56487	0.082021
0.124262	0.00718	0.280057	7.30E-10	0.264938	6.09E-09	0.168528	0.00025	0.098922
-0.05325	0.25073	0.083553	0.07124	-0.02376	0.60861	0.001617	0.97219	-0.23456
-0.05541	0.23205	-0.06498	0.16093	-0.0654	0.15827	-0.06865	0.13854	-0.11719
-0.00155	0.97331	-0.19249	2.82E-05	-0.02005	0.66569	-0.20399	8.86E-06	-0.05844
0.038135	0.41096	0.008872	0.84836	-0.0222	0.63222	-0.02121	0.64752	-0.05906
0.070887	0.12609	0.045325	0.32839	0.091221	0.04882	0.081856	0.0772	0.045245
0.109078	0.01838	0.211974	3.82E-06	0.252552	3.15E-08	0.123414	0.00758	0.091836
-0.03388	0.46512	-0.01133	0.80707	-0.10793	0.01965	-0.09042	0.05084	-0.15984

0.067209	0.14702	0.138135	0.00278	0.052606	0.25655	0.102577	0.02665	-0.09218
-0.12298	0.0078	-0.11207	0.01539	-0.09313	0.04426	-0.08433	0.06865	-0.06176
0.044878	0.33319	0.096247	0.0376	0.056634	0.22187	0.101023	0.02905	0.003281
-0.08306	0.07293	-0.0291	0.53049	0.015432	0.73943	0.052034	0.26177	0.157362
-0.05766	0.21356	-0.08612	0.06296	-0.07761	0.09391	-0.10133	0.02856	0.022324
-0.06788	0.14299	-0.0175	0.70597	0.007361	0.87395	0.031749	0.49369	0.077383
-0.1084	0.01912	-0.05214	0.26076	-0.11239	0.0151	-0.01346	0.7718	-0.01036
-0.11253	0.01497	-0.02382	0.60762	-0.07201	0.1202	0.016514	0.72188	0.042718
-0.04252	0.35927	0.167117	0.00029	0.154348	0.00082	0.256309	1.93E-08	0.346918
-0.02029	0.66193	0.133516	0.00385	0.042912	0.35483	0.124438	0.00709	0.027577
-0.10248	0.0268	0.070773	0.1267	-0.0102	0.82599	0.029965	0.51831	-0.16586
0.066279	0.1527	0.172119	0.00019	0.031705	0.4943	0.093465	0.04351	-0.01635
0.040608	0.38128	0.010882	0.81456	0.053928	0.24479	-0.02725	0.55698	-0.03905
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0.030697	0.50813	-0.01564	0.73608	0.100573	0.02977	-0.06276	0.17577	-0.03049
0.031902	0.49162	0.139102	0.00259	0.063516	0.17059	0.065841	0.15545	-0.13945
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-0.00552	0.90522	0.050381	0.27725	-0.04086	0.37828	0.051904	0.26297	-0.14594
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-0.0454	0.32757	-0.06964	0.13293	0.054	0.24415	-0.16758	0.00028	-0.1185
0.003256	0.94405	-0.00454	0.92201	0.021411	0.64443	-0.03691	0.4262	-0.08259
-0.06567	0.15652	-0.01941	0.67571	-0.02536	0.58461	0.014285	0.75817	0.106826
-0.00916	0.84353	-0.02279	0.62331	0.080451	0.08244	0.078988	0.08819	0.228038
0.049517	0.28558	0.167195	0.00028	0.258266	1.49E-08	0.144075	0.0018	0.194505
0.067492	0.14532	0.15567	0.00074	0.151204	0.00105	0.257884	1.57E-08	0.103404
0.009942	0.83033	0.118102	0.01064	0.083353	0.07193	0.06288	0.17492	-0.09518
0.041938	0.36586	0.084168	0.06918	0.082296	0.07562	0.062303	0.17892	-0.04709
-0.01433	0.75736	0.019992	0.66653	0.056542	0.22262	0.037581	0.4178	-0.08328
0.115762	0.0123	0.220046	1.58E-06	0.38389	7.59E-18	0.174211	0.00015	0.185159
-0.05465	0.23853	0.057416	0.21554	-0.0821	0.07633	-0.05489	0.23649	-0.10858
-0.00469	0.9195	0.03934	0.39632	-0.02622	0.57196	0.029086	0.53065	-0.00559
-0.02202	0.63501	-0.17009	0.00022	0.044098	0.34166	-0.24651	6.80E-08	-0.02086
0.088976	0.05468	0.272957	2.01E-09	0.35716	1.70E-15	0.218849	1.80E-06	0.117044
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-0.07466	0.10709	0.032975	0.47716	0.008388	0.85653	0.122549	0.00802	0.019079
-0.09943	0.0317	-0.05013	0.27969	-0.07134	0.12369	-0.04004	0.38793	-0.11411
0.027484	0.55354	-0.01131	0.80738	0.080187	0.08345	0.040778	0.37928	0.049282
0.004401	0.92444	-0.02936	0.52676	0.071226	0.12428	-0.08658	0.06155	-0.04454
-0.08116	0.07975	-0.1039	0.02474	-0.0096	0.83604	-0.12676	0.00609	0.071099

0.050061	0.28032	-0.01148	0.80456	0.148776	0.00126	0.000457	0.99215	0.035543
-0.02092	0.65205	0.01042	0.8223	0.098545	0.03325	0.011147	0.81013	-0.06672
-0.06716	0.14729	-0.02042	0.65987	-0.06714	0.14742	-0.00618	0.89398	-0.0032
0.29304	1.06E-10	0.138777	0.00265	0.179508	9.60E-05	0.138281	0.00275	-0.04101
0.334377	1.16E-13	0.140076	0.00241	0.108265	0.01927	0.088507	0.05597	0.004101
-0.03073	0.50774	-0.17814	0.00011	-0.07265	0.11693	-0.09	0.05193	0.109423
-0.08211	0.0763	0.058133	0.20986	-0.08194	0.0769	0.038511	0.40637	-0.13016
0.001113	0.98086	0.101032	0.02903	0.085393	0.06522	0.144012	0.00181	0.05299
0.081182	0.07968	0.045857	0.32274	0.135976	0.00324	0.106014	0.02195	-0.02906
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0.096158	0.03778	-0.00559	0.90408	-0.03258	0.48239	-0.01048	0.82138	-0.04559
0.059161	0.2019	-0.05147	0.26698	0.085999	0.06332	-0.09955	0.03149	-0.01182
0.065455	0.15789	0.086225	0.06263	0.174514	0.00015	0.00816	0.86039	-0.02929
-0.01235	0.79017	0.034672	0.45477	0.036094	0.43648	0.009188	0.84302	-0.15661
0.064944	0.16116	-0.01782	0.70098	0.002895	0.95024	0.050314	0.27789	0.123854
-0.00578	0.90089	0.111811	0.01563	0.168286	0.00026	0.062822	0.17532	-0.13479
0.033948	0.46425	8.58E-05	0.99853	0.040153	0.38663	0.000472	0.99187	0.086227
-0.05786	0.21201	-0.05478	0.23736	0.009612	0.83587	-0.06017	0.1943	-0.05798
0.069781	0.13213	-0.06597	0.15463	0.197033	1.80E-05	-0.13425	0.00366	-0.0119
-0.11986	0.00952	0.010727	0.81716	0.05264	0.25625	0.101996	0.02753	0.262511
0.055828	0.22853	0.04145	0.37147	0.019341	0.67676	0.059426	0.19988	-0.01301
0.014814	0.7495	-0.03146	0.49761	0.091989	0.04695	-0.07853	0.09007	-0.06352
-0.03065	0.50875	-0.052	0.2621	0.010455	0.82171	-0.11127	0.01614	-0.02438
0.006553	0.88768	-0.0646	0.1634	0.006449	0.88946	-0.15042	0.00111	-0.13216
0.000289	0.99503	-0.05757	0.2143	0.059383	0.2002	-0.09824	0.03379	-0.0436
-0.00696	0.88068	0.00556	0.90461	-0.11963	0.00967	0.00072	0.98761	-0.02052
0.019562	0.67328	0.02019	0.66344	0.069134	0.13576	0.016506	0.72201	-0.03939
0.117925	0.01076	0.060344	0.193	0.086837	0.06078	0.08479	0.06714	0.036119
-0.02795	0.54687	0.057961	0.21121	0.030019	0.51755	0.089317	0.05375	-0.0589
-0.08818	0.05687	-0.0987	0.03298	-0.05268	0.25592	-0.1065	0.02135	0.134032
-0.05884	0.20435	-0.12204	0.00829	0.0868	0.06089	-0.17382	0.00016	0.035313
0.001307	0.97753	-0.05959	0.19864	0.011421	0.80556	-0.04246	0.35994	0.063863
-0.07015	0.13009	-0.02946	0.52535	-0.05292	0.2537	0.020157	0.66394	-0.10836
0.375351	4.51E-17	0.097378	0.0354	0.200899	1.22E-05	0.051787	0.26404	0.084836
-0.13962	0.0025	-0.07463	0.10727	-0.26296	7.97E-09	-0.10546	0.02265	-0.13312
0.046446	0.31656	-0.06329	0.17212	-0.00069	0.98815	-0.11853	0.01036	-0.01767
-0.00118	0.97971	-0.07526	0.10429	0.00929	0.84131	-0.07546	0.1034	0.050832
0.030703	0.50805	0.003632	0.9376	0.074291	0.10886	-0.04977	0.28312	-0.01109
0.23254	3.74E-07	0.474534	1.34E-27	0.533725	9.64E-36	0.416024	5.69E-21	0.096517
-0.0381	0.4114	0.051287	0.2687	-0.03669	0.42899	0.026399	0.56931	-0.02245
-0.04388	0.34405	-0.11095	0.01645	0.003151	0.94586	-0.12758	0.00576	-0.0832
-0.0087	0.85125	0.04996	0.28129	0.018173	0.69527	0.041794	0.36751	-0.07088
0.058354	0.20813	0.006752	0.88429	0.02777	0.54942	-0.00995	0.83019	-0.07451
0.148009	0.00134	0.094861	0.04045	0.128633	0.00537	0.128575	0.00539	-0.01933
0.045879	0.32251	0.02298	0.62036	0.079952	0.08437	0.016147	0.72783	-0.04844

0.064499	0.16406	0.082918	0.07343	0.051975	0.26231	0.055976	0.22729	0.106336
-0.00611	0.89527	-0.09697	0.03618	0.132465	0.00414	-0.14117	0.00223	0.00104
-0.0005	0.99148	-0.04216	0.36328	0.064568	0.16361	-0.07518	0.10467	0.049467
-0.02588	0.57692	0.068277	0.14069	0.054793	0.23728	0.104272	0.02423	-0.06414
0.040117	0.38706	-0.08794	0.05758	0.05926	0.20114	-0.11408	0.01363	0.096615
-0.06153	0.18435	-0.12337	0.00761	-0.14123	0.00222	-0.05741	0.21556	0.088963
-0.01294	0.78027	0.011367	0.80646	-0.07306	0.11487	0.058984	0.20325	0.024594
-0.03599	0.43774	-0.07832	0.09093	-0.01623	0.72646	-0.16235	0.00043	0.026814
0.001489	0.9744	-0.01379	0.76635	0.075954	0.10114	-0.01106	0.81155	-0.08344
0.043423	0.34912	-0.01588	0.73215	-0.01427	0.75837	0.000512	0.9912	-0.0113
0.267194	4.47E-09	0.075514	0.10314	0.106857	0.02091	0.072711	0.11661	-0.05741
-0.06635	0.15225	-0.14795	0.00134	-0.05791	0.21161	-0.03844	0.4072	0.166209
-0.05394	0.24471	0.006951	0.88092	-0.02624	0.57168	0.073767	0.11138	-0.17572
-0.03825	0.40957	0.022674	0.62502	0.039974	0.38876	-0.01685	0.71652	-0.05414
-0.11345	0.01417	-0.2078	5.95E-06	-0.1568	0.00067	-0.18546	5.53E-05	-0.00351
-0.0725	0.11766	-0.00403	0.93077	0.052913	0.25379	-0.07095	0.12575	-0.00195
0.013132	0.77714	0.009062	0.84516	0.071358	0.12359	-0.04813	0.29927	-0.15485
-0.05145	0.26713	0.000719	0.98763	-0.03894	0.40118	0.036306	0.43378	-0.08289
-0.11722	0.01124	-0.15609	0.00071	-0.09458	0.04105	-0.16809	0.00026	-0.10699
-0.02172	0.6397	0.034846	0.4525	0.043324	0.35022	0.052451	0.25797	-0.11171
-0.06432	0.16522	-0.00553	0.90514	-0.07287	0.11581	0.057679	0.21344	-0.16412
-0.0577	0.21326	-0.03713	0.42345	-0.08579	0.06396	-0.01014	0.82702	-0.10777
0.011129	0.81043	-0.06537	0.15843	0.084367	0.06852	-0.06932	0.13471	0.15638
-0.0031	0.94681	0.013185	0.77628	-0.03305	0.47621	-0.05076	0.27369	-0.22376
-0.06067	0.19059	-0.06305	0.17376	-0.0556	0.23042	-0.06308	0.17357	0.085763
-0.04026	0.38537	-0.0182	0.69492	-0.02451	0.5972	0.047447	0.30623	-0.0214
-0.05416	0.24276	0.037164	0.423	-0.03513	0.44877	0.059084	0.20248	-0.14605
-0.03384	0.46569	0.024023	0.60458	-0.01643	0.72324	0.008135	0.86083	-0.17678
-0.05716	0.21759	-0.13613	0.0032	0.019908	0.66785	-0.17993	9.23E-05	-0.04463
-0.10294	0.02611	-0.02897	0.53229	-0.144	0.00181	-0.01629	0.7255	-0.04584
-0.03274	0.4803	-0.03121	0.50109	0.022951	0.62081	-0.03009	0.51661	-0.00451
0.05375	0.24634	0.043716	0.34587	0.130101	0.00486	0.016001	0.73019	-0.02284
-0.03395	0.46427	0.011072	0.81139	-0.02969	0.52214	0.052203	0.26023	-0.12618
-0.06342	0.17122	-0.02404	0.60434	-0.09793	0.03436	0.077298	0.09523	-0.04238
0.017385	0.70787	0.035972	0.43802	0.007126	0.87793	0.050232	0.27867	-0.10344
-0.0117	0.8009	-0.0734	0.11316	0.079978	0.08426	-0.06276	0.17573	0.045739
0.013351	0.77353	-0.04853	0.29529	0.056624	0.22195	-0.0941	0.0421	0.011218
-0.06373	0.16914	-0.05003	0.2806	-0.07429	0.10884	-0.06383	0.16849	-0.13343
-0.12676	0.00609	0.012702	0.78426	-0.12844	0.00544	0.065632	0.15676	-0.09483
-0.05829	0.20861	6.40E-05	0.9989	0.056747	0.22095	0.134473	0.0036	0.074897
0.010079	0.82802	0.200646	1.25E-05	-0.01885	0.6845	0.09892	0.03258	-0.16737
0.064796	0.16212	0.274438	1.63E-09	0.320169	1.36E-12	0.250412	4.14E-08	0.265763
-0.04763	0.30438	-0.1767	0.00012	0.03138	0.49874	-0.23443	2.99E-07	0.036048
-0.0208	0.65398	-0.08882	0.05509	0.003432	0.94104	-0.07771	0.09349	0.112448
-0.07393	0.11059	-0.13517	0.00343	-0.05914	0.20206	-0.21931	1.71E-06	-0.26228

0.008594	0.85306	-0.04358	0.34737	0.127229	0.0059	-0.01406	0.76179	0.075826
-0.03072	0.50778	0.01778	0.70155	0.09849	0.03335	0.021036	0.65025	-0.05919
-0.03211	0.4888	0.0119	0.79757	0.066273	0.15275	0.043244	0.35111	-0.06466
-0.01658	0.72078	-0.00326	0.94391	0.015484	0.73858	-0.03981	0.39074	-0.07143
0.063298	0.17207	0.091884	0.0472	0.003699	0.93646	0.036691	0.42892	-0.09052
-0.10213	0.02732	-0.07723	0.09554	-0.15277	0.00093	0.02186	0.6375	-0.00104
-0.19895	1.48E-05	-0.19542	2.11E-05	-0.22003	1.58E-06	-0.08612	0.06295	0.040334
-0.04973	0.28348	-0.06869	0.13828	-0.0673	0.14647	-0.04782	0.30245	-0.11436
-0.00285	0.95108	-0.00565	0.90311	-0.02341	0.61377	0.039699	0.39203	-0.04563
-0.00262	0.95497	0.044935	0.33257	0.025694	0.57968	0.03559	0.44291	-0.04272
-0.08806	0.05723	-0.08043	0.08252	-0.18327	6.78E-05	-0.12531	0.0067	0.036156
-0.04556	0.32585	-0.0184	0.69168	-0.15493	0.00078	-0.15849	0.00059	-0.06691
-0.04506	0.33124	0.043738	0.34563	0.010374	0.82307	0.089661	0.05283	-0.02278
0.028027	0.54574	0.064214	0.16593	0.037668	0.41672	0.087994	0.05741	0.006572
0.202359	1.05E-05	0.039416	0.39542	0.149788	0.00117	0.014292	0.75805	0.012508
-0.06226	0.17919	-0.02374	0.60877	-0.04557	0.3258	0.008433	0.85577	-0.05093
-0.05619	0.2255	-0.12785	0.00566	-0.05581	0.22871	-0.08654	0.06168	0.020889
-0.00049	0.99162	-0.04274	0.3568	0.107271	0.02042	-0.15549	0.00075	0.063798
0.029763	0.52114	0.051223	0.26929	0.149158	0.00123	-0.04248	0.35972	-0.10809
-0.12662	0.00614	-0.01017	0.82656	-0.19727	1.76E-05	0.015029	0.74599	0.040081
-0.04581	0.32326	-0.09499	0.04018	-0.07246	0.11788	-0.03991	0.3895	0.019306
-0.09263	0.04543	-0.07001	0.13086	-0.01921	0.67875	-0.07224	0.11899	0.102327
0.060402	0.19258	-0.02166	0.64052	0.073929	0.11059	-0.11717	0.01128	-0.03013
-0.02852	0.53869	0.070547	0.12792	0.106172	0.02175	0.007998	0.86315	-0.08282
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-0.05148	0.26693	0.047947	0.30115	-0.01352	0.77076	0.050922	0.27212	-0.04852
-0.01453	0.75416	-0.05681	0.22042	-0.07565	0.1025	-0.01573	0.73456	0.036686
-0.07793	0.09253	-0.1125	0.015	-0.05373	0.24648	-0.07101	0.12544	-0.02741
-0.08137	0.07898	-0.09698	0.03617	-0.18662	4.95E-05	-0.09576	0.03859	-0.03612
-0.05641	0.22374	-0.11049	0.01691	-0.02271	0.62452	-0.12428	0.00717	0.046869
0.004886	0.91613	-0.05337	0.24974	0.005635	0.90334	-0.02203	0.63489	0.102833
-0.04879	0.29273	-0.12168	0.00848	-0.00837	0.85693	-0.10402	0.02458	0.096551
0.122444	0.00808	0.050514	0.27598	0.060225	0.19389	-0.01669	0.719	-7.60E-05
-0.00857	0.85352	0.030744	0.50748	0.009746	0.83363	0.043874	0.34412	-0.01042
-0.02574	0.57906	-0.02218	0.63264	-0.09296	0.04467	-0.00707	0.87891	-0.01897
-0.11728	0.0112	-0.06224	0.17939	-0.07827	0.09114	-0.03303	0.47642	-0.01171
-0.03337	0.47183	-0.00394	0.93224	-0.07378	0.11133	0.054726	0.23786	-0.05708
-0.14246	0.00203	-0.1842	6.22E-05	-0.20202	1.09E-05	-0.2177	2.04E-06	-0.18757
-0.05038	0.27729	-0.01055	0.82016	-0.0413	0.37325	0.020991	0.65094	-0.12543
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-0.08913	0.05424	0.025077	0.58881	-0.03519	0.44806	-0.0341	0.46226	-0.1927
0.013046	0.77857	-0.00261	0.95511	0.078004	0.09224	-0.02406	0.60398	-0.09979
-0.05181	0.26387	0.01318	0.77636	0.037483	0.41902	0.043079	0.35295	-0.03953
0.016124	0.72819	0.067254	0.14675	0.016918	0.71538	0.053968	0.24443	0.054292
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-0.09783	0.03455	-0.01173	0.80037	-0.14895	0.00125	-0.12195	0.00834	-0.21389
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0.024328	0.6	0.016954	0.7148	0.176387	0.00013	0.047973	0.30089	0.022037
0.025969	0.57563	0.180213	9.00E-05	0.158383	0.00059	0.17045	0.00022	-0.01193
-0.04594	0.32182	0.093599	0.04321	0.099502	0.03157	0.17507	0.00014	0.233815
-0.07406	0.10998	-0.01295	0.78013	0.004946	0.9151	-0.01045	0.82178	-0.00792
-0.06378	0.16879	-0.00659	0.88701	0.08344	0.07163	0.011681	0.80122	0.104028
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0.000909	0.98437	-0.05281	0.25472	0.01457	0.7535	-0.05023	0.2787	-0.07567
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0.020862	0.65295	0.021082	0.64953	0.034183	0.46115	-0.01338	0.77314	-0.07127
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0.034724	0.45409	-0.09826	0.03377	0.012071	0.79473	-0.04166	0.36905	0.127582
-0.0374	0.42008	0.033746	0.46691	-0.10742	0.02024	-0.05184	0.26359	-0.20964
0.027243	0.55703	0.007304	0.87491	0.115223	0.01272	0.002712	0.95339	-0.06523
-0.04629	0.31818	-0.1009	0.02925	0.012629	0.78548	-0.06817	0.14133	0.060566
0.018107	0.69634	0.012166	0.79316	0.055376	0.23232	0.000794	0.98635	-0.06929
-0.00459	0.92117	-0.00911	0.84434	-0.03046	0.51141	-0.02392	0.60614	0.064431
-0.08076	0.08128	-0.02236	0.6299	-0.04803	0.30036	0.021328	0.64572	-0.14299
0.016901	0.71564	-0.00226	0.9611	-0.06792	0.14276	0.010321	0.82397	-0.09236
0.051433	0.26733	-0.05113	0.27016	0.095343	0.03944	-0.07831	0.09097	0.015422
-0.06774	0.14386	-0.02905	0.5312	-0.02326	0.61613	-0.06755	0.145	-0.10265
-0.08239	0.07527	-0.20062	1.25E-05	0.023025	0.61967	-0.15425	0.00082	0.107999
-0.01334	0.77369	-0.02034	0.66109	0.021294	0.64625	0.02421	0.60177	-0.02099
0.028318	0.54157	-0.01444	0.75554	-0.04903	0.29036	-0.05747	0.21507	-0.09241
0.032479	0.48382	-0.07979	0.08501	0.053803	0.24588	-0.11368	0.01397	0.044602
-0.08689	0.06062	-0.04769	0.30376	-0.08721	0.05968	-0.0882	0.05683	-0.12696
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-0.0689	0.1371	-0.10011	0.03054	-0.03303	0.47642	-0.10646	0.02139	-0.0056
0.070525	0.12804	0.065829	0.15552	0.071448	0.12312	0.110297	0.01711	-0.07202
0.019447	0.67509	0.035063	0.44969	0.077048	0.09631	0.103731	0.02498	0.162088
-0.11309	0.01447	-0.02231	0.63057	-0.0761	0.10047	-0.07186	0.12096	-0.0651
0.043302	0.35047	-0.03261	0.48205	0.099404	0.03174	0.017748	0.70206	0.237742
-0.11325	0.01434	0.012665	0.78488	-0.19479	2.25E-05	-0.02356	0.61154	-0.03286
-0.06506	0.16044	0.005028	0.91371	-0.11979	0.00957	0.049998	0.28092	-0.08742
-0.06229	0.17903	-0.19163	3.06E-05	-0.09978	0.03109	-0.17437	0.00015	0.120917
-0.16103	0.00048	-0.06898	0.13663	-0.00344	0.94097	-0.00592	0.89839	-0.00681
-0.00416	0.92848	0.056549	0.22257	0.045034	0.33151	-0.01127	0.808	-0.05198
-0.01467	0.7519	0.002609	0.95516	0.068376	0.14011	-0.04882	0.29246	-0.00826
-0.03541	0.44516	0.0107	0.81762	0.020259	0.66234	0.002151	0.96302	-0.08164
-0.01034	0.82364	0.070583	0.12773	0.048025	0.30037	0.079197	0.08735	-0.07751
-0.07233	0.11856	0.074546	0.10764	0.066567	0.15093	0.106277	0.02162	0.006036
-0.13541	0.00337	-0.10549	0.02262	-0.13192	0.00429	-0.14739	0.0014	-0.11367
-0.04376	0.34534	-0.05601	0.22704	0.09291	0.04478	-0.11202	0.01544	0.054522

-0.01124	0.80864	0.313535	4.12E-12	0.178845	0.0001	0.399835	2.36E-19	0.194787
0.0112	0.80926	0.033639	0.46833	0.018774	0.68573	0.062678	0.17632	0.013559
-0.03072	0.50782	-0.03333	0.47241	-0.01279	0.7828	0.067166	0.14728	-0.08383
-0.00031	0.99463	0.023024	0.61969	0.092337	0.04612	0.04822	0.2984	-0.10421
0.062167	0.17988	-0.01134	0.80695	0.022703	0.62458	-0.0236	0.61093	-0.08473
0.026817	0.56322	0.010183	0.82629	0.038124	0.4111	-0.0031	0.94678	-0.01878
-0.12053	0.00913	-0.04803	0.30029	-0.06935	0.13454	-0.02273	0.62418	-0.08997
-0.09	0.05194	-0.11544	0.01255	-0.06218	0.1798	-0.08736	0.05924	-0.04157
-0.03351	0.47008	0.087432	0.05903	0.041453	0.37143	0.070403	0.1287	-0.11308
-0.01435	0.75711	0.009475	0.83818	0.099391	0.03176	0.017205	0.71077	0.043831
0.003308	0.94316	-0.04558	0.32573	-0.07319	0.11421	-0.03582	0.44003	0.043531
-0.11175	0.01569	0.017029	0.71359	-0.16054	0.0005	0.019996	0.66646	-0.16871
-0.04474	0.33473	-0.06157	0.18407	-0.01724	0.71018	-0.01886	0.68432	-0.09149
-0.04521	0.32963	-0.0894	0.05352	-0.04972	0.28365	-0.09036	0.05099	0.014011
-0.05247	0.25778	0.045821	0.32312	0.107224	0.02047	-0.04638	0.31721	-0.11392
-0.11226	0.01522	-0.08214	0.07618	0.011147	0.81013	-0.13797	0.00281	-0.0425
-0.06517	0.15971	-0.04478	0.33426	-0.00323	0.94447	-0.12322	0.00768	-0.10113
0.037382	0.42027	0.029641	0.52284	0.117562	0.011	-0.06016	0.1944	-0.05372
0.119065	0.01002	-0.07335	0.11341	0.019762	0.67014	-0.03998	0.38869	0.186876
-0.02397	0.60537	0.051864	0.26333	-0.16403	0.00037	0.062202	0.17963	-0.23453
-0.03398	0.46384	-0.18878	4.03E-05	-0.20628	6.98E-06	-0.19505	2.19E-05	-0.06468
-0.05903	0.20287	-0.08046	0.08239	-0.02111	0.64908	-0.09276	0.04513	-0.07254
-0.15982	0.00053	-0.00363	0.9376	-0.10041	0.03004	-0.01104	0.81197	-0.10367
-0.07138	0.12347	-0.15096	0.00107	-0.09648	0.03713	-0.18161	7.91E-05	-0.04158
-0.00437	0.92504	-0.07839	0.09063	-0.1355	0.00335	0.040296	0.38494	-0.06117
-0.0063	0.89203	-0.00813	0.86087	0.061818	0.18234	0.114991	0.0129	0.084392
0.031436	0.49797	-0.03405	0.46295	-0.03611	0.43633	-0.03779	0.41525	0.079161
0.040073	0.38758	0.117478	0.01106	0.04279	0.35619	0.04731	0.30763	0.075634
0.089917	0.05216	0.068657	0.13848	0.021497	0.6431	0.010937	0.81365	-0.16856
-0.00031	0.9946	-0.04894	0.29128	0.148245	0.00131	-0.0006	0.9897	0.223176
-0.01915	0.67981	0.023069	0.61901	0.024333	0.59993	-0.00225	0.96125	-0.01956
-0.07722	0.09555	-0.04922	0.28846	-0.03257	0.48264	-0.00582	0.90016	-0.04387
-0.03999	0.38859	-0.03296	0.47731	0.017961	0.69865	-0.01918	0.67928	-0.01061
-0.0279	0.54756	0.024419	0.59864	0.050916	0.27217	0.052695	0.25575	-0.07837
-0.01894	0.68316	-0.0602	0.19405	0.050457	0.27652	-0.10028	0.03025	-0.0685
-0.00638	0.89067	0.094818	0.04054	0.197046	1.80E-05	0.021955	0.63604	0.017292
-0.07702	0.09644	0.072148	0.11948	0.047314	0.30758	0.169096	0.00024	0.081306
-0.03619	0.43529	-0.02285	0.62227	0.056123	0.22608	0.027919	0.54729	0.018206
-0.10874	0.01875	-0.06963	0.13299	0.049211	0.28858	-0.05994	0.19603	0.021701
0.007355	0.87405	0.10554	0.02255	-0.05772	0.2131	0.052946	0.25349	-0.19918
0.054074	0.2435	0.404616	8.01E-20	0.400994	1.82E-19	0.420463	1.98E-21	0.167563
-0.14939	0.0012	-0.07065	0.12737	-0.20835	5.62E-06	-0.06263	0.17662	-0.05564
-0.1113	0.01612	-0.04204	0.36466	-0.00541	0.90717	-0.11109	0.01632	0.117188
-0.08128	0.0793	-0.14582	0.00158	-0.17137	0.0002	-0.08061	0.08184	0.047295
0.002218	0.96187	0.093562	0.04329	0.112907	0.01464	0.064054	0.16699	-0.02181

-0.08611	0.06298	-0.14761	0.00138	-0.15585	0.00073	-0.24844	5.33E-08	-0.0957
-0.07387	0.11087	0.028133	0.54422	0.031913	0.49147	0.092678	0.04531	0.001043
0.464432	2.32E-26	0.170156	0.00022	0.23029	4.88E-07	0.184424	6.09E-05	-0.02994
0.092998	0.04457	0.005758	0.90123	0.161241	0.00047	0.082294	0.07563	0.222862
-0.08465	0.0676	-0.07786	0.09283	-0.20253	1.03E-05	-0.03785	0.41447	-0.03877
0.052077	0.26138	0.059835	0.19679	0.093479	0.04347	0.056718	0.22118	0.053964
-0.13767	0.00287	-0.05311	0.25204	0.068956	0.13677	0.005683	0.90251	0.054324
0.005639	0.90327	-0.04491	0.33288	-0.07086	0.12623	-0.08416	0.06922	0.004654
-0.01783	0.70076	0.101596	0.02814	0.055547	0.23089	-0.00316	0.94565	-0.11543
-0.04795	0.30111	-0.06334	0.17179	0.009559	0.83677	-0.02389	0.6066	-0.01581
0.029572	0.52381	-0.04998	0.28107	0.05591	0.22785	-0.04811	0.29953	0.00861
-0.04439	0.33851	-0.01993	0.66747	-0.17547	0.00014	0.00244	0.95806	-0.1032
-0.11591	0.01219	-0.09971	0.03121	-0.1338	0.00377	-0.11474	0.0131	0.017254
-0.09002	0.05189	-0.1064	0.02146	-0.0447	0.33509	-0.0167	0.71881	0.060774
-0.04241	0.36043	0.060152	0.19443	-0.0178	0.70128	0.072657	0.11688	-0.15145
-0.00879	0.84966	0.030864	0.50583	0.02083	0.65344	-0.00901	0.84598	-0.05901
-0.01725	0.70996	-0.0427	0.35719	0.006091	0.89555	-0.03259	0.48234	-0.06316
0.041794	0.3675	0.033646	0.46824	0.047484	0.30585	0.036395	0.43266	-0.06448
0.007	0.88008	-0.03779	0.41523	-0.03766	0.41686	-0.03066	0.50864	-0.08732
0.23571	2.57E-07	0.123053	0.00776	0.075313	0.10406	0.199529	1.40E-05	0.012946
-0.01411	0.76101	-0.02198	0.63569	-0.00931	0.84103	0.009746	0.83362	-0.01444
-0.04539	0.32771	0.017905	0.69955	0.011473	0.80469	0.085063	0.06627	-0.02409
-0.03677	0.42797	-0.10745	0.0202	-0.08337	0.07188	-0.07888	0.08862	-0.06861
0.008986	0.84644	0.130735	0.00466	0.028529	0.53857	0.170926	0.00021	0.120396
-0.06866	0.13847	-0.06825	0.14085	-0.0061	0.8954	-0.04459	0.33629	0.076925
0.030332	0.5132	0.088935	0.05479	-0.0356	0.44277	0.137417	0.00292	0.059765
0.008215	0.85947	-0.10762	0.02	-0.11508	0.01283	-0.17083	0.00021	-0.04344
0.058375	0.20796	0.125758	0.0065	0.32467	6.33E-13	0.097411	0.03534	0.227489
0.073675	0.11183	-0.05683	0.22031	0.071861	0.12096	-0.07178	0.12137	-0.00505
0.024856	0.59211	-0.10886	0.01862	-0.04675	0.31339	-0.10533	0.02282	0.01504
-0.03282	0.47917	0.010519	0.82065	-0.12209	0.00826	-0.01997	0.66682	-0.10315
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0.018677	0.68727	0.038695	0.40412	-0.10494	0.02333	-0.03089	0.50554	-0.13572
-0.13503	0.00346	-0.0454	0.3276	-0.06547	0.15777	-0.0071	0.87845	0.012636
0.059366	0.20033	0.066223	0.15306	0.084354	0.06857	0.009401	0.83943	-0.0829
0.031552	0.49639	-0.12812	0.00556	-0.06903	0.13637	-0.14954	0.00119	0.025232
-0.05895	0.2035	-0.03023	0.51461	-0.03904	0.39991	-0.06003	0.19537	-0.06581
0.017831	0.70074	0.103319	0.02557	0.131552	0.0044	0.062534	0.17732	0.013187
-0.04215	0.36338	-0.09155	0.04801	-0.01296	0.78002	-0.16277	0.00041	0.027374
0.043263	0.35089	0.056933	0.21944	0.081036	0.08023	0.11769	0.01092	0.262756
-0.02879	0.53492	0.028799	0.53472	0.02414	0.60282	0.038041	0.41212	0.039875
-0.03704	0.42456	-0.04713	0.30947	0.037384	0.42024	-0.1121	0.01536	0.04078
0.002009	0.96547	-0.02536	0.58466	-0.0685	0.13939	-0.01884	0.68461	0.051448
-0.08943	0.05346	-0.10427	0.02423	-0.19288	2.71E-05	-0.08221	0.07593	-0.05298
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-0.0755	0.10321	-0.13492	0.00349	0.06484	0.16184	-0.16742	0.00028	0.006521
-0.06152	0.18447	-0.13583	0.00327	-0.15081	0.00108	-0.09781	0.03458	-0.15354
0.01858	0.68881	-0.06376	0.16893	0.042725	0.35693	-0.09344	0.04357	-0.06769
-0.01998	0.66672	-0.10898	0.01848	-0.03682	0.42734	-0.08632	0.06235	-0.082
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0.085748	0.0641	0.192581	2.79E-05	0.12499	0.00684	0.197451	1.72E-05	0.196484
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-0.01446	0.75528	0.043559	0.3476	0.010453	0.82176	0.059352	0.20044	-0.08866
0.019846	0.66882	0.184461	6.07E-05	0.165299	0.00033	0.218028	1.97E-06	-0.04588
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0.013003	0.77928	0.099061	0.03233	0.047197	0.30879	0.130369	0.00478	0.070324
0.067598	0.14469	-0.05106	0.27082	0.072891	0.11571	-0.0979	0.03442	0.098229
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0.039264	0.39724	0.000612	0.98948	0.138527	0.0027	-0.01419	0.75969	0.008642
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0.012053	0.79503	-0.03994	0.3892	0.076728	0.0977	-0.0092	0.84281	0.016847
0.079786	0.08501	-0.02331	0.61542	0.060554	0.19146	-0.0774	0.09479	0.014803
0.0145	0.75465	0.097374	0.03541	0.097738	0.03473	0.067909	0.14284	0.03865
0.038229	0.40981	-0.00972	0.83401	0.029221	0.52875	-0.08856	0.05583	-0.08586
0.027257	0.55683	0.033443	0.47092	0.07099	0.12554	-0.00032	0.99441	0.031106
0.061235	0.1865	0.043324	0.35021	0.061205	0.18672	0.030977	0.50427	-0.06283
-0.01856	0.68908	-0.03642	0.43231	0.018823	0.68496	-0.0196	0.67261	-0.03878
0.017936	0.69905	-0.00188	0.96776	0.094545	0.04113	0.016622	0.72015	0.040386
0.024359	0.59953	-0.05494	0.23606	0.055679	0.22977	-0.04622	0.31896	0.054724
0.159871	0.00052	0.182354	7.39E-05	0.092563	0.04558	0.083346	0.07195	-0.008
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-0.04151	0.37077	-0.12458	0.00703	0.05387	0.24529	-0.19906	1.47E-05	-0.09869
-0.02135	0.64544	0.164052	0.00037	0.133653	0.00381	0.227233	6.96E-07	-0.01599
-0.08173	0.07767	0.004045	0.93053	-0.03776	0.41563	0.039273	0.39714	-0.08013
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0.000436	0.99249	0.037984	0.41282	0.067603	0.14465	0.01179	0.7994	-0.05859
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0.083724	0.07067	0.08072	0.08141	0.201069	1.20E-05	0.147465	0.00139	0.03626
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-0.08942	0.05347	0.014936	0.74751	0.021832	0.63793	-0.04327	0.35084	-0.0419
-0.06969	0.13265	-0.09168	0.0477	0.024614	0.59572	-0.05972	0.19765	0.057111
-0.06391	0.16792	0.157505	0.00064	0.077124	0.09598	0.123605	0.00749	-0.14518
-0.13318	0.00394	-0.00274	0.9529	-0.17285	0.00017	-0.02555	0.58184	-0.2335
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-0.10222	0.02719	0.073106	0.11463	-0.03464	0.45523	0.049404	0.28668	-0.10847
-0.05092	0.27209	0.060925	0.18875	-0.01651	0.72191	-0.01212	0.79385	-0.14039
-0.14642	0.00151	0.038247	0.40959	-0.09699	0.03614	-0.02705	0.55987	-0.16836
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0.016726	0.71847	-0.01305	0.77852	0.074022	0.11015	-0.02062	0.65664	-0.03409
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0.097382	0.0354	0.122559	0.00802	0.157801	0.00062	0.171493	0.0002	0.149623
0.011692	0.80104	-0.0036	0.93822	-0.0719	0.12074	-0.00073	0.98749	-0.19362
0.046198	0.31915	-0.00292	0.94976	0.042546	0.35895	0.027984	0.54634	-0.03224
0.016724	0.71849	0.126223	0.00631	0.052636	0.25628	0.072664	0.11685	-0.08365
-0.04505	0.3313	-0.0301	0.51642	0.074057	0.10998	-0.06506	0.16044	-0.07377
-0.05877	0.20489	-0.0436	0.34716	0.019262	0.67802	0.005997	0.89717	0.006129
0.118805	0.01018	0.0261	0.5737	0.027192	0.55777	-0.00543	0.90691	-0.10965
0.079245	0.08716	0.130042	0.00488	0.046688	0.31404	0.146753	0.00147	-0.13261
0.097775	0.03466	0.107426	0.02023	0.089729	0.05265	0.133549	0.00384	-0.1292
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-0.15132	0.00104	-0.06669	0.15019	-0.1305	0.00473	-0.00547	0.90612	0.073279
0.012036	0.79532	0.044629	0.33588	0.090755	0.04999	0.051248	0.26906	0.101176
0.024768	0.59342	0.161084	0.00047	0.002673	0.95406	0.110291	0.01711	-0.00664
0.090388	0.05093	0.065417	0.15812	0.180144	9.06E-05	-0.01569	0.73515	0.041397
-0.00141	0.97577	0.026017	0.57492	0.018249	0.69407	0.00583	0.90001	0.079819
-0.05814	0.20981	-0.10827	0.01926	-0.12724	0.0059	-0.17123	0.0002	-0.04631
0.041063	0.37595	0.320612	1.26E-12	0.181952	7.67E-05	0.326478	4.64E-13	0.267913
-0.00232	0.96019	0.06852	0.13928	0.043286	0.35064	0.007354	0.87406	-0.03084
-0.0605	0.19188	-0.01646	0.72272	-0.07411	0.10972	-0.06451	0.164	-0.10482
-0.03051	0.51071	0.052471	0.25778	0.036429	0.43223	-0.01151	0.80412	-0.17242
-0.13548	0.00335	-0.16316	0.0004	-0.07936	0.08669	-0.22961	5.28E-07	-0.01674
-0.037	0.42503	-0.09112	0.04907	-0.01315	0.77689	-0.1269	0.00603	-0.07142
-0.05488	0.23656	0.079703	0.08534	-0.05904	0.20279	0.079868	0.08469	-0.18329
-0.05005	0.2804	-0.05158	0.26593	0.028622	0.53723	-0.02439	0.59903	0.051097
-0.0179	0.69966	0.145027	0.00168	0.130431	0.00476	0.127431	0.00582	0.041088
-0.08113	0.07987	-0.0558	0.22878	-7.82E-06	0.99987	-0.07155	0.1226	0.047127
-0.04404	0.34236	-0.00673	0.88474	0.070019	0.13081	-0.04551	0.32644	0.019269
-0.06365	0.16971	-0.04061	0.38121	0.02874	0.53556	-0.02621	0.57213	-0.00093
0.053908	0.24496	-0.05025	0.27855	-0.03308	0.47578	-0.08036	0.08277	-0.07016
0.032815	0.4793	-0.19441	2.33E-05	-0.17074	0.00021	-0.2242	9.86E-07	-0.21482
0.023031	0.61959	0.133206	0.00393	0.21956	1.66E-06	0.140802	0.00229	0.059636
-0.06797	0.14249	-0.01576	0.73416	-0.04136	0.3725	-0.10554	0.02255	-0.14223
0.039619	0.39299	0.053803	0.24588	0.04767	0.30396	0.0465	0.316	-0.06565
-0.09736	0.03543	-0.0811	0.08	-0.04099	0.37684	-0.08274	0.07405	0.053609
-0.01444	0.75568	0.032796	0.47956	0.004142	0.92886	-0.01329	0.77458	-0.08772
-0.07488	0.10608	-0.13611	0.00321	0.002979	0.9488	-0.09779	0.03462	0.024674
0.047107	0.30971	0.114996	0.01289	0.219724	1.63E-06	0.15689	0.00067	0.160073
0.01239	0.78943	0.002303	0.96041	0.007816	0.86623	0.018211	0.69467	-0.0482

-0.01626	0.72605	-0.04561	0.32537	0.012571	0.78643	0.046978	0.31104	0.046097
0.205838	7.31E-06	-0.15898	0.00056	-0.11469	0.01314	-0.0923	0.04621	0.071026
-0.04884	0.2922	-0.0181	0.69641	-0.06885	0.1374	0.050122	0.27973	0.083403
0.03438	0.45859	-0.01567	0.73551	0.086447	0.06195	-0.04001	0.38833	-0.07261
-0.04926	0.28807	0.069918	0.13137	0.033798	0.46623	0.125417	0.00665	0.083596
0.097313	0.03553	-0.03576	0.44079	0.051613	0.26565	0.020251	0.66247	0.10477
-0.02293	0.62118	0.040795	0.37908	0.040387	0.38387	-0.00721	0.87646	-0.14723
0.038291	0.40906	-0.00782	0.8661	0.022866	0.62209	0.0337	0.46753	-0.04363
0.054851	0.23678	-0.03686	0.42679	-0.05584	0.22846	-0.01361	0.7693	0.129115
0.045061	0.33122	-0.00184	0.96831	0.151144	0.00105	0.079221	0.08725	0.098113
0.063171	0.17293	-0.03136	0.49904	0.03435	0.45898	-0.078	0.09225	-0.04241
-0.04057	0.3817	-0.06211	0.18028	-0.06101	0.1881	-0.02141	0.64442	0.101226
0.016024	0.72982	0.114823	0.01303	0.019862	0.66857	0.162429	0.00042	-0.01327
0.101317	0.02858	0.010797	0.81599	-0.00964	0.83538	-0.0737	0.11173	-0.13835
-0.00012	0.99791	0.070611	0.12758	-0.02191	0.6368	0.114253	0.01349	0.032577
0.080982	0.08042	-0.03372	0.46727	0.096006	0.03809	-0.05786	0.21203	0.044285
-0.00909	0.8447	0.205107	7.89E-06	0.137557	0.00289	0.149743	0.00117	0.041046
0.061417	0.18519	-0.09508	0.03999	-0.00252	0.9567	-0.11799	0.01072	-0.1375
-0.01062	0.81893	-0.00206	0.96459	-0.04333	0.35014	0.018454	0.69081	0.031975
-0.02905	0.5312	0.092073	0.04674	0.010626	0.81885	0.095074	0.04	-0.11561
-0.09293	0.04472	-0.08342	0.07169	-0.11564	0.0124	-0.00901	0.84603	0.136538
0.043028	0.35352	-0.03651	0.43124	-0.00087	0.98497	-0.00449	0.92299	-0.06368
-0.05637	0.22405	-0.00593	0.89838	-0.10139	0.02847	0.004576	0.92143	-0.12745
-0.06115	0.18715	0.116987	0.01141	-0.07269	0.11673	0.195392	2.12E-05	-0.02203
-0.03038	0.51259	0.108685	0.01881	0.041026	0.37639	0.067889	0.14296	-0.17137
-0.09991	0.03088	-0.05346	0.24894	-0.19854	1.55E-05	0.023973	0.60533	-0.03186
-0.02702	0.56027	0.001979	0.96597	0.031689	0.49452	0.009723	0.83401	-0.11012
0.013352	0.77351	-0.09301	0.04455	1.46E-05	0.99975	-0.10718	0.02052	0.029594
-0.04767	0.30392	-0.10191	0.02766	-0.02246	0.62824	-0.19952	1.40E-05	-0.25544
0.069152	0.13565	-0.03309	0.4756	0.017439	0.70701	0.048782	0.29281	0.136066
-0.19294	2.70E-05	-0.16538	0.00033	-0.21549	2.61E-06	-0.12253	0.00803	-0.0816
-4.80E-05	0.99917	-0.03688	0.42659	-0.0203	0.66167	-0.05685	0.22011	-0.0301
0.157714	0.00063	0.062345	0.17863	0.143668	0.00185	0.076623	0.09816	0.166056
-0.09584	0.03842	-0.01554	0.73765	-0.02858	0.53779	-0.01877	0.6858	-0.06138
-0.02931	0.52755	0.021649	0.64076	0.193322	2.60E-05	0.020743	0.65479	0.185287
-0.01808	0.69674	-0.14636	0.00152	0.014741	0.75071	-0.15135	0.00104	0.069189
-0.00421	0.92768	-0.10976	0.01766	0.013971	0.76331	-0.09489	0.04039	0.018421
0.017304	0.70917	-0.03027	0.51411	0.003631	0.93762	-0.04998	0.28109	0.002796
-0.04054	0.38202	0.014488	0.75484	-0.00742	0.87301	0.036887	0.42645	-0.06372
-0.04525	0.32923	-0.06235	0.17863	-0.00234	0.95981	-0.03232	0.48601	-0.00109
-0.06572	0.15622	-0.01646	0.72282	0.005418	0.90705	-0.04045	0.38319	-0.17614
-0.01218	0.79291	-0.01949	0.67447	-0.05617	0.22567	0.010618	0.81899	0.085066
-0.10782	0.01977	0.025768	0.57859	-0.13574	0.00329	0.013499	0.77109	-0.14235
0.033579	0.46912	0.007917	0.86451	0.052024	0.26186	-0.01417	0.75998	-0.03809
-0.01401	0.76261	-0.16413	0.00037	0.010986	0.81283	-0.20634	6.94E-06	-0.06924

0.024279	0.60073	0.052453	0.25795	0.175298	0.00014	0.068257	0.1408	0.122546
0.001775	0.96948	-0.09858	0.03318	0.044084	0.34182	-0.15227	0.00096	-0.01228
-0.02508	0.58883	-0.00697	0.88056	-0.00788	0.86512	0.009406	0.83935	-0.12157
-0.0691	0.13594	0.116601	0.01168	0.169122	0.00024	0.157731	0.00062	0.022774
-0.0761	0.1005	-0.00442	0.92415	-0.0699	0.13148	0.068736	0.13803	-0.0492
-0.00678	0.88385	-0.09158	0.04793	-0.01715	0.71168	-0.14078	0.00229	-0.06152
-0.0251	0.58841	0.038157	0.41069	-0.09335	0.04377	0.067863	0.14312	0.008608
0.107908	0.01968	0.312992	4.51E-12	0.172069	0.00019	0.324971	6.01E-13	0.046319
-0.14702	0.00144	0.048129	0.29932	-0.26157	9.60E-09	-0.00588	0.89923	-0.26716
-0.05187	0.26331	-0.14422	0.00178	0.013883	0.76477	-0.15256	0.00094	-0.00666
-0.00091	0.98434	-0.17454	0.00015	-0.20016	1.31E-05	-0.14086	0.00228	0.03263
-0.02757	0.55224	-0.00078	0.98667	0.048294	0.29767	0.024679	0.59475	-0.07801
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0.107741	0.01987	0.056752	0.22091	0.096707	0.03669	0.020486	0.6588	0.012632
0.08793	0.0576	0.139098	0.00259	0.245193	8.02E-08	0.165955	0.00032	0.119234
-0.10956	0.01787	-0.11251	0.015	-0.13146	0.00443	-0.06459	0.16346	0.00571
0.228689	5.88E-07	0.060585	0.19123	0.180446	8.81E-05	0.019855	0.66868	0.107585
-0.02394	0.60583	-0.09349	0.04345	0.042726	0.35692	-0.0958	0.03851	0.009885
-0.08537	0.06528	-0.15621	0.00071	-0.16472	0.00035	-0.19847	1.56E-05	0.002656
-0.03977	0.39123	0.000756	0.987	0.017037	0.71346	0.018838	0.68471	-0.10382
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-0.05812	0.20997	-0.13743	0.00292	-0.03266	0.48133	-0.10242	0.02689	0.065111
-0.09683	0.03646	-0.04912	0.28949	-0.06073	0.19015	-0.07526	0.10431	-0.10698
-0.09354	0.04333	0.008718	0.85096	-0.08924	0.05396	-0.06861	0.13873	-0.15163
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0.001384	0.9762	0.055295	0.23301	-0.02751	0.55318	0.105828	0.02218	0.077352
-0.12977	0.00497	-0.06295	0.17443	-0.20954	4.95E-06	-0.0957	0.0387	-0.00804
0.015682	0.73535	0.024303	0.60037	0.134447	0.0036	0.1133	0.0143	0.250232
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0.059322	0.20067	-0.03192	0.49141	0.089413	0.05349	0.081639	0.07799	0.197992
0.011189	0.80943	0.014122	0.76085	-0.0348	0.45311	0.104769	0.02356	0.030673
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0.026073	0.5741	0.060077	0.19499	0.087794	0.05798	0.080551	0.08205	0.042794
0.022285	0.63098	-0.00997	0.82993	0.071375	0.1235	-0.01339	0.77283	-0.00031
0.046859	0.31227	-0.04311	0.35259	0.092801	0.04503	-0.03396	0.46411	-0.02384
0.035254	0.44723	0.044794	0.3341	0.071934	0.12058	-0.01956	0.67329	-0.05165
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0.006594	0.88698	-0.06592	0.15493	-0.08072	0.0814	-0.02814	0.54413	0.07241
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0.03216	0.48813	0.08691	0.06057	0.171823	0.00019	0.045401	0.32758	0.042682
-0.11974	0.0096	-0.03712	0.42352	-0.0902	0.05142	-0.02926	0.52817	-0.02767
-0.02456	0.59656	0.091073	0.04919	0.024649	0.59519	0.103421	0.02542	-0.1198
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0.012272	0.79139	-0.19984	1.36E-05	-0.0592	0.20156	-0.16613	0.00031	0.024225
-0.05675	0.22095	0.008289	0.85821	0.012287	0.79115	0.060199	0.19408	-0.06087
-0.107	0.02074	-0.03283	0.47909	-0.11819	0.01058	0.043013	0.35369	-0.04037
-0.01554	0.73759	0.032087	0.48912	-0.00752	0.87128	0.036638	0.42959	-0.14342
-0.05061	0.27512	0.058138	0.20982	-0.01212	0.7939	0.094083	0.04213	-0.15236
-0.00214	0.96316	0.046168	0.31947	0.045216	0.32956	0.025537	0.58199	0.010623
-0.02229	0.63084	-0.08092	0.08066	0.111862	0.01559	-0.10562	0.02245	0.026185
-0.02073	0.65497	0.090222	0.05136	-0.04606	0.32055	0.033443	0.47092	-0.21034
0.06963	0.13297	0.072266	0.11887	0.018658	0.68757	0.075653	0.1025	-0.1193
-0.06504	0.16054	-0.08232	0.07553	0.048059	0.30002	0.035616	0.44258	0.16743
-0.04241	0.36051	-0.08868	0.05548	0.028899	0.53331	-0.14955	0.00119	0.037954
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0.084118	0.06935	0.025073	0.58888	0.081711	0.07773	-0.00621	0.89353	-0.0096
0.07148	0.12295	0.064528	0.16387	0.121231	0.00873	0.06802	0.14219	0.022004
0.010492	0.82111	0.110119	0.01729	0.093342	0.04379	0.052251	0.25978	-0.14521
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-0.04416	0.341	0.011686	0.80113	0.00353	0.93936	-0.02812	0.54435	-0.15173
0.010842	0.81523	0.132265	0.00419	0.089108	0.05432	0.213577	3.21E-06	0.038168
0.034349	0.45898	0.10097	0.02913	0.075475	0.10332	0.004124	0.92918	-0.06075
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0.120112	0.00937	0.242381	1.14E-07	0.19056	3.40E-05	0.269663	3.18E-09	0.167727
0.071207	0.12438	0.133487	0.00385	0.238948	1.73E-07	0.040058	0.38776	0.060076
-0.02916	0.52956	-0.1422	0.00207	0.023571	0.6114	-0.12087	0.00894	0.093127
0.118484	0.01039	0.175793	0.00013	0.153115	0.0009	0.207453	6.17E-06	0.219864
-0.02131	0.64597	-0.121	0.00886	-0.14548	0.00162	-0.12085	0.00895	-0.11797
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-0.03949	0.39458	-0.06206	0.18063	-0.0272	0.55766	-0.06195	0.18138	0.012387
-0.01447	0.75513	0.011736	0.80031	0.050494	0.27617	0.009775	0.83314	-0.0319
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0.003052	0.94755	-0.00597	0.89754	0.077653	0.09371	-0.01039	0.82273	-0.03425
-0.09512	0.0399	2.14E-05	0.99963	-0.12204	0.00829	0.060847	0.18931	-0.0007
-0.0748	0.10646	-0.19172	3.03E-05	-0.16109	0.00047	-0.24076	1.39E-07	-0.14672
-0.03536	0.44584	-0.04139	0.37216	-0.04504	0.33142	-0.07989	0.0846	0.097868
-0.01093	0.8138	-0.04746	0.30606	-0.09855	0.03323	-0.05306	0.25251	-0.02832
-0.02959	0.52361	0.060874	0.18912	0.053456	0.24894	0.092104	0.04667	0.052486
-0.04118	0.37459	-0.01346	0.77168	-0.01043	0.82211	0.006558	0.8876	-0.0107
-0.04639	0.3171	-0.19442	2.33E-05	0.028941	0.5327	-0.21748	2.09E-06	0.040411
-0.09138	0.04843	-0.10877	0.01871	-0.1408	0.00229	-0.11211	0.01536	-0.12571
-0.06294	0.17449	0.062936	0.17454	0.060843	0.18935	0.171474	0.0002	0.310521
0.061412	0.18523	-0.00892	0.84747	0.040293	0.38498	-0.04366	0.34648	0.013874
-0.05556	0.23075	0.083999	0.06974	0.057441	0.21535	0.152848	0.00092	-0.00168
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0.139824	0.00246	0.285732	3.18E-10	0.15964	0.00053	0.359236	1.13E-15	0.062102
-0.03812	0.41116	0.012998	0.77936	0.010143	0.82695	0.044526	0.337	-0.03136
-0.05728	0.21667	0.037704	0.41628	-0.03141	0.49831	0.031526	0.49674	-0.12823



0.153584	0.00087	0.122755	0.00791	0.097266	0.03562	0.089369	0.05361	0.086741
0.010348	0.82351	-0.03423	0.46053	0.041578	0.36999	-0.01679	0.71736	-0.04714
-0.0739	0.11072	0.028815	0.5345	-0.02959	0.52353	0.05266	0.25607	-0.18251
-0.02285	0.62227	-0.06337	0.17161	-0.01672	0.71852	-0.01098	0.81291	0.099426
-0.08861	0.05568	-0.07818	0.09149	0.079693	0.08538	-0.13213	0.00423	0.112563
0.003894	0.93311	0.128373	0.00547	0.083702	0.07074	0.130172	0.00484	-0.05218
0.077499	0.09437	0.037844	0.41454	0.004708	0.91918	0.10072	0.02953	0.183714
0.064311	0.16529	0.179412	9.68E-05	0.202925	9.89E-06	0.224346	9.69E-07	0.202923
0.028412	0.54023	0.199912	1.35E-05	0.167859	0.00027	0.264347	6.60E-09	0.169219
-0.00012	0.99797	0.272985	2.00E-09	0.218787	1.81E-06	0.292297	1.19E-10	0.131167
0.021172	0.64814	-0.01243	0.78874	-0.13901	0.00261	-0.055	0.23548	0.001916
-0.01323	0.7755	0.043746	0.34554	0.111227	0.01619	0.105805	0.02221	-0.03246
0.047744	0.30321	0.004541	0.92204	-0.08891	0.05486	-0.05082	0.27308	-0.13086
0.044033	0.34239	0.07884	0.08879	0.010063	0.8283	0.06007	0.19504	-0.04044
-0.04815	0.29916	-0.11497	0.01292	0.032194	0.48766	-0.09806	0.03413	0.049194
-0.06689	0.14894	0.003795	0.93482	-0.08066	0.08165	0.026707	0.56482	-0.14349
-0.12744	0.00582	0.046527	0.31572	-0.04041	0.38357	0.116181	0.01199	-0.00886
0.018128	0.69599	0.01586	0.73247	0.101209	0.02875	0.001681	0.9711	0.033969
-0.0538	0.24591	-0.08511	0.06612	-0.0101	0.82762	-0.07515	0.10481	0.058624
-0.12547	0.00663	-0.04951	0.28565	-0.02414	0.60276	-0.03886	0.40207	-0.01217
0.041969	0.36551	0.085744	0.06411	0.042358	0.36107	0.069553	0.13339	-0.06981
-0.0173	0.70931	0.01887	0.68421	-0.03162	0.49551	0.033436	0.47101	-0.11767
-0.00301	0.94822	-0.10126	0.02867	-0.01104	0.81196	-0.09223	0.04637	-0.04127
-0.03783	0.4147	0.008419	0.85601	-0.0155	0.73838	0.022253	0.63147	-0.07917
-0.06003	0.19535	-0.09544	0.03923	0.070893	0.12606	-0.11269	0.01483	0.028725
-0.03633	0.43345	0.007021	0.87972	0.043415	0.34921	0.02978	0.52089	-0.07373
-0.03182	0.49269	-0.16914	0.00024	0.042626	0.35804	-0.12129	0.0087	0.206465
-0.07018	0.12995	-0.15421	0.00083	0.00337	0.9421	-0.10291	0.02616	0.147137
0.02818	0.54355	-0.06476	0.16234	-0.01787	0.70011	-0.05775	0.21291	0.011633
0.02851	0.53883	-0.11325	0.01434	0.038935	0.40121	-0.06167	0.18337	0.153197
0.014427	0.75584	-0.01244	0.78861	-0.00985	0.83192	-0.06684	0.14928	-0.04572
-0.07611	0.10043	-0.11094	0.01646	-0.06757	0.14485	-0.24398	9.33E-08	-0.13575
-0.12391	0.00735	-0.12593	0.00643	-0.2101	4.66E-06	-0.07647	0.09883	-0.24543
-0.04026	0.38537	0.011229	0.80876	-0.01379	0.76623	0.044903	0.33292	-0.1157
-0.10639	0.02147	-0.19071	3.35E-05	-0.07155	0.12259	-0.24898	4.97E-08	0.038078
0.102585	0.02664	0.036279	0.43413	0.055276	0.23317	0.052551	0.25705	-0.02786
0.019559	0.67332	-0.11185	0.01559	0.047853	0.3021	-0.19386	2.46E-05	-0.05244
-0.0143	0.75799	-0.02711	0.55893	0.021071	0.6497	0.019295	0.67749	0.011468
-0.00718	0.87701	0.117105	0.01132	-0.00345	0.94079	0.118071	0.01066	0.028725
0.045493	0.32661	-0.08092	0.08064	0.056845	0.22015	-0.16582	0.00032	0.001575
-0.1302	0.00483	-0.08063	0.08177	-0.05793	0.21143	-0.0846	0.06777	-0.08011
-0.04671	0.31384	0.078039	0.09209	-0.12165	0.0085	0.114239	0.0135	-0.07222
0.179691	9.44E-05	0.098345	0.03361	0.104321	0.02416	0.086615	0.06145	-0.03077
-0.07035	0.12897	-0.07597	0.10106	-0.14209	0.00208	-0.05143	0.26735	-0.11343
-0.023	0.62005	0.169256	0.00024	0.190144	3.54E-05	0.214524	2.90E-06	0.179118

-0.00964	0.83545	-0.03314	0.47494	-0.03692	0.42604	-0.02132	0.64584	0.039281
0.038572	0.40562	0.007166	0.87725	0.159628	0.00054	-0.02178	0.63867	-0.01445
-0.0375	0.41887	-0.06957	0.13329	-0.05338	0.24963	-0.01569	0.7353	0.034107
0.019576	0.67306	-0.09417	0.04193	0.017181	0.71115	-0.10339	0.02546	0.091474
-0.08515	0.06599	0.023613	0.61077	0.015153	0.74397	0.055725	0.22939	-0.07563
0.02581	0.57797	-0.06975	0.13231	-0.0703	0.12929	-0.04214	0.36355	0.064244
0.059853	0.19666	0.067586	0.14476	0.027994	0.54621	0.067649	0.14439	0.034517
-0.02393	0.60594	-0.1742	0.00015	-0.18574	5.38E-05	-0.17356	0.00016	-0.069
0.007391	0.87343	-0.08524	0.06569	-0.01239	0.78946	-0.02761	0.55179	0.015895
-0.07442	0.10824	-0.15986	0.00053	-0.17677	0.00012	-0.16675	0.0003	-0.0354
0.045428	0.3273	-0.03287	0.47851	0.060346	0.19299	-0.02181	0.63835	0.192576
0.031139	0.50205	0.030347	0.51299	-0.014	0.7629	-0.01597	0.73069	0.001486
0.027356	0.55539	0.100617	0.0297	0.18005	9.13E-05	0.19504	2.19E-05	0.153419
-0.03655	0.43071	0.0506	0.27516	0.069301	0.13481	0.147712	0.00137	0.102983
0.075512	0.10315	-0.04951	0.28566	-0.0251	0.58846	-0.04802	0.30039	0.100466
-0.03973	0.39164	0.000703	0.98792	-0.04524	0.32932	0.009175	0.84324	-0.14399
-0.02503	0.58947	0.030895	0.5054	0.03672	0.42855	0.042937	0.35454	-0.07387
0.028518	0.53872	-0.08711	0.05997	0.000939	0.98385	-0.04215	0.36343	0.0997
-0.03275	0.48015	-0.01481	0.74956	-0.09137	0.04846	-0.00407	0.93003	-0.11982
0.032564	0.48268	0.032913	0.47799	0.107073	0.02065	0.050642	0.27476	0.11329
-0.03407	0.46261	0.016043	0.72951	-0.09188	0.04722	0.062729	0.17596	-0.11334
0.00036	0.99381	-0.01761	0.7043	-0.08027	0.08312	0.112304	0.01518	0.090723
-0.02786	0.54816	-0.12666	0.00613	0.02553	0.5821	-0.20678	6.63E-06	0.037787
-0.08913	0.05426	-0.12308	0.00775	-0.08341	0.07172	-0.1888	4.02E-05	-0.17746
-0.05153	0.26647	0.026824	0.56311	-0.01347	0.77157	0.07359	0.11224	-0.09919
-0.02792	0.54721	0.026643	0.56575	0.114725	0.01311	0.057476	0.21507	0.036623
-0.1177	0.01091	-0.06966	0.13283	-0.19739	1.73E-05	0.038372	0.40806	-0.09808
-0.02483	0.59249	-0.08894	0.05478	0.032832	0.47907	-0.13308	0.00396	0.131403
-0.07903	0.08802	-0.07588	0.10146	0.048823	0.2924	-0.15083	0.00108	-0.0352
-0.0391	0.39916	-0.03696	0.42557	0.024362	0.59949	-0.0117	0.80092	-0.04542
-0.04958	0.28501	-0.03671	0.42868	-0.0145	0.75462	-0.00973	0.83383	-0.09854
-0.08318	0.07252	-0.01951	0.67418	-0.07268	0.11675	0.029064	0.53098	-0.04543
-0.04826	0.29802	-0.03871	0.40389	0.058214	0.20922	-0.0302	0.51507	-0.0444
-0.11235	0.01514	-0.02781	0.54879	-0.21251	3.60E-06	-0.07371	0.11165	-0.13225
0.021911	0.63671	-0.0215	0.64302	0.064496	0.16408	-0.02692	0.56178	0.078917
-0.00831	0.85783	-0.01077	0.81643	-0.01088	0.81461	0.007525	0.87116	-0.05845
0.003325	0.94286	-0.06821	0.14105	-0.11752	0.01103	-0.00563	0.90341	-0.00143
-0.00268	0.954	0.008736	0.85066	-0.0073	0.875	-0.02693	0.56159	-0.16839
-0.05531	0.23285	-0.01523	0.74264	0.017291	0.70939	-0.00085	0.98541	0.004775
-0.023	0.62006	-0.09908	0.03231	-0.01186	0.79833	-0.14698	0.00145	-0.07793
-0.04393	0.34352	0.020215	0.66304	0.014923	0.74772	0.060928	0.18872	-0.08527
0.074679	0.10701	-0.03254	0.48296	0.059114	0.20226	-0.1178	0.01084	-0.12763
-0.02039	0.66025	-0.02808	0.54493	0.027842	0.54839	-0.00862	0.85261	-0.0235
0.011963	0.79653	0.038264	0.40939	0.052408	0.25835	-0.08482	0.06703	-0.12669
-0.0349	0.45178	-0.0058	0.90058	-0.01355	0.77028	0.03054	0.51031	0.061683

0.099873	0.03094	-0.02777	0.54938	0.04074	0.37973	0.01025	0.82516	0.106601
-0.10969	0.01773	0.000464	0.99202	-0.12906	0.00522	-0.05866	0.20573	-0.28526
0.046612	0.31483	-0.05272	0.2555	-0.06583	0.15552	-0.06239	0.17829	0.088376
0.040702	0.38016	-0.07618	0.10012	-0.0451	0.33085	-0.08213	0.07622	0.039549
0.084401	0.06841	0.197651	1.69E-05	0.088703	0.05543	0.139003	0.00261	0.029371
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0.035549	0.44344	0.206674	6.70E-06	0.137621	0.00288	0.157317	0.00065	0.02588
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0.005033	0.91362	-0.05531	0.23288	0.105917	0.02207	-0.10909	0.01836	0.053944
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0.02232	0.63044	-0.04335	0.34998	0.010557	0.82002	-0.07291	0.11563	-0.02876
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-0.13954	0.00251	-0.05221	0.26019	-0.27219	2.24E-09	-0.05478	0.23742	-0.20656
-0.01576	0.73408	-0.06553	0.1574	-0.00645	0.88939	-0.05203	0.26185	0.060275
-0.04107	0.37588	0.00196	0.96631	0.048596	0.29465	0.036808	0.42745	-0.07162
-0.0262	0.57228	-0.02751	0.55322	-0.00187	0.96794	-0.06969	0.13265	-0.11395
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0.051127	0.27019	-0.16397	0.00037	-0.0697	0.13257	-0.19204	2.94E-05	0.04135
0.042115	0.36383	0.218221	1.93E-06	0.225468	8.53E-07	0.20209	1.08E-05	0.008977
-0.03981	0.39075	0.011345	0.80683	-0.01383	0.7657	-0.08467	0.06754	-0.04254
0.002833	0.95131	0.000575	0.99012	0.078675	0.08946	0.002433	0.95818	-0.02626
0.036862	0.42677	-0.03091	0.50522	-0.02605	0.57449	-0.0675	0.14526	-0.03529
0.046926	0.31157	0.030746	0.50745	0.069757	0.13226	0.055482	0.23143	0.171038
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0.078626	0.08966	-0.0765	0.09869	0.145369	0.00163	-0.0443	0.33942	0.07008
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0.120103	0.00938	0.154948	0.00078	0.277664	1.03E-09	0.152589	0.00094	0.035443
0.049462	0.28612	-0.09488	0.04041	0.160053	0.00052	-0.16922	0.00024	0.128829
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0.095543	0.03903	-0.02377	0.6084	0.084794	0.06713	-0.08304	0.073	-0.2702
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-0.06575	0.15602	-0.08848	0.05606	0.026049	0.57445	-0.17737	0.00012	-0.02364
-0.01626	0.72601	-0.1838	6.46E-05	0.04772	0.30345	-0.28633	2.91E-10	-0.03817
-0.02559	0.58118	-0.05244	0.25808	0.095224	0.03969	-0.15839	0.00059	-0.01974
0.052043	0.26169	0.050373	0.27732	0.175903	0.00013	-0.02943	0.5258	0.026731

-0.02208	0.63408	-0.18266	7.18E-05	-0.02432	0.60018	-0.2427	1.09E-07	-0.06549
0.006826	0.88304	-0.08103	0.08025	0.032187	0.48775	-0.0966	0.03691	-0.10899
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0.000989	0.983	-0.10834	0.01919	0.062196	0.17967	-0.18135	8.10E-05	-0.0903
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0.014269	0.75843	-0.13893	0.00262	0.014744	0.75065	-0.24142	1.28E-07	-0.1178
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0.054048	0.24373	0.007939	0.86414	0.22036	1.52E-06	-0.15287	0.00092	0.063276
0.036876	0.4266	0.152825	0.00092	0.210801	4.33E-06	0.027367	0.55524	0.012609
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0.014593	0.75312	-0.05246	0.25784	0.117993	0.01071	-0.14576	0.00159	0.133759
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0.054954	0.23591	-0.0443	0.33944	0.189548	3.75E-05	-0.192	2.95E-05	0.031708
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-0.06373	0.16913	-0.15508	0.00077	0.063121	0.17328	-0.22675	7.36E-07	-0.00723
0.055062	0.23499	0.003079	0.9471	0.220734	1.46E-06	-0.02565	0.58034	0.111465
-0.06817	0.1413	-0.10733	0.02034	-0.03959	0.39336	-0.08421	0.06906	0.000528
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0.089453	0.05338	0.231334	4.32E-07	0.265242	5.84E-09	0.059036	0.20285	-0.03364
0.042615	0.35816	0.001282	0.97796	0.142921	0.00196	-0.07029	0.12933	0.06315
0.00479	0.91777	0.021691	0.64011	0.162685	0.00042	-0.0411	0.37556	-0.08338
-0.06542	0.15814	-0.09948	0.03161	0.045065	0.33118	-0.04102	0.37647	0.059185
-0.06075	0.19002	0.002396	0.95882	0.009722	0.83404	-0.05423	0.24218	-0.13346
-0.06723	0.14688	-0.21757	2.07E-06	-0.01568	0.73544	-0.32912	2.93E-13	-0.04945
-0.09637	0.03736	-0.07835	0.09078	-0.00646	0.88928	-0.10165	0.02806	0.010627
0.033069	0.4759	-0.14486	0.0017	-0.00937	0.83998	-0.16091	0.00048	-0.0121
0.032314	0.48604	-0.04764	0.30425	0.159479	0.00054	-0.20871	5.40E-06	-0.00315
0.001047	0.982	-0.13648	0.00312	0.116647	0.01165	-0.22153	1.33E-06	0.076708
-0.03261	0.48199	-0.11762	0.01097	-0.00242	0.95841	-0.21398	3.07E-06	-0.02239
-0.10663	0.02119	-0.26899	3.49E-09	-0.19628	1.94E-05	-0.25109	3.80E-08	-0.10971
0.171815	0.00019	0.004962	0.91484	0.208685	5.42E-06	-0.00705	0.87931	0.043348
0.121272	0.00871	-0.02807	0.54514	0.09796	0.03431	-0.0341	0.46221	0.041109
0.066262	0.15281	-0.01161	0.80245	0.134114	0.00369	-0.02339	0.61409	0.034255
0.077724	0.09341	0.024417	0.59866	0.123629	0.00748	0.040635	0.38095	0.115513
0.109632	0.01779	-0.01905	0.68141	0.106837	0.02093	0.00637	0.8908	0.117069
0.074502	0.10785	-0.0433	0.35043	0.065785	0.1558	-0.05049	0.27622	0.036633
0.202253	1.06E-05	0.059705	0.19777	0.224586	9.43E-07	0.003626	0.93771	0.046702
0.118544	0.01035	-0.06885	0.13736	0.096169	0.03776	-0.05571	0.22949	0.087366
0.148772	0.00126	0.011252	0.80838	0.172606	0.00018	0.001399	0.97594	0.060459
0.216574	2.31E-06	0.006489	0.88878	0.172313	0.00018	-0.00119	0.97946	0.076404
0.230322	4.86E-07	0.025089	0.58863	0.094164	0.04195	0.05479	0.23731	-0.00047
0.098373	0.03356	-0.02592	0.57639	0.128806	0.00531	-0.01743	0.70716	0.040969

0.241813	1.22E-07	0.061686	0.18327	0.208944	5.27E-06	0.037727	0.41599	0.036818
0.150986	0.00106	0.034851	0.45245	0.128707	0.00534	0.012471	0.7881	0.057374
0.200409	1.28E-05	0.028998	0.53191	0.21173	3.92E-06	0.028721	0.53583	0.109844
0.112689	0.01483	-0.01521	0.74299	0.167339	0.00028	0.030724	0.50776	0.120895
0.09138	0.04843	-0.09085	0.04975	0.070168	0.12999	-0.15733	0.00064	0.036433
0.174306	0.00015	0.03099	0.50409	0.216968	2.22E-06	0.022936	0.62104	0.081994
0.164823	0.00035	-0.00731	0.87476	0.081935	0.07692	-0.02922	0.5288	0.004089
0.1236	0.00749	0.04862	0.29441	0.115271	0.01268	0.021621	0.64118	0.032348
0.236129	2.44E-07	0.085733	0.06415	0.184708	5.93E-05	0.107291	0.02039	0.074594
0.170407	0.00022	0.007319	0.87466	0.138953	0.00262	0.012015	0.79567	0.040673
0.199355	1.42E-05	0.074691	0.10696	0.146104	0.00155	0.051015	0.27124	0.132131
0.162515	0.00042	0.012793	0.78276	0.151152	0.00105	0.009219	0.8425	0.045962
0.1761	0.00013	0.004529	0.92224	0.145557	0.00161	0.05171	0.26476	0.055739
0.144414	0.00175	-0.04826	0.29796	0.134552	0.00358	-0.07447	0.10801	0.052317
0.184773	5.90E-05	0.041506	0.37082	0.197635	1.69E-05	0.019277	0.67778	0.062199
0.300884	3.15E-11	0.15492	0.00078	0.367053	2.43E-16	0.075168	0.10473	0.098976
0.19162	3.07E-05	0.004712	0.91911	0.154085	0.00084	-0.03438	0.45857	0.033504
0.137614	0.00288	0.056912	0.21961	0.122989	0.0078	0.076742	0.09764	0.040266
0.058248	0.20896	0.148771	0.00126	0.14451	0.00174	0.056063	0.22657	0.040141
0.226102	7.93E-07	0.245406	7.81E-08	0.37252	8.06E-17	0.205907	7.26E-06	0.161984
0.256078	1.99E-08	0.32603	5.01E-13	0.371255	1.04E-16	0.297351	5.47E-11	0.185321
0.180482	8.78E-05	0.059887	0.1964	0.230174	4.94E-07	0.031001	0.50394	0.050015
0.103967	0.02465	0.028119	0.54442	0.228509	6.00E-07	0.020845	0.65321	0.106985
0.061797	0.18248	0.047579	0.30489	0.12794	0.00563	0.019869	0.66845	0.0177
0.117123	0.01131	0.015437	0.73934	0.16685	0.00029	-0.02093	0.65191	0.027953
0.099981	0.03075	0.064719	0.16262	0.192192	2.90E-05	0.023984	0.60517	0.068561
0.100003	0.03072	0.007028	0.8796	0.157632	0.00063	-0.03065	0.50873	0.024085
0.107482	0.02017	-0.10185	0.02775	0.069522	0.13357	-0.04235	0.36118	0.208415
0.178656	0.0001	-0.00064	0.989	0.201862	1.10E-05	-0.00527	0.90959	0.080865
0.185856	5.33E-05	0.005209	0.91062	0.182198	7.50E-05	-0.00604	0.8965	0.083198
0.144315	0.00177	0.03602	0.43742	0.115546	0.01247	0.003718	0.93613	0.004241
0.178332	0.00011	0.015215	0.74296	0.192009	2.95E-05	0.016189	0.72714	0.086267
0.186835	4.85E-05	0.012919	0.78067	0.138783	0.00265	-0.02103	0.65037	0.002835
0.14942	0.0012	0.0096	0.83608	0.092001	0.04692	-0.0039	0.93304	0.041102
0.176531	0.00013	-0.00707	0.87892	0.134454	0.0036	0.017894	0.69973	0.035568
0.212045	3.79E-06	0.008764	0.85018	0.160519	0.0005	0.032892	0.47828	0.085509
0.097451	0.03527	-0.02669	0.56507	0.042125	0.36372	-0.05589	0.22799	0.07275
0.135045	0.00346	-0.04506	0.33123	-0.00067	0.98841	-0.05017	0.27931	-0.02693
0.16252	0.00042	-0.00571	0.90204	0.114924	0.01295	-0.00298	0.94884	0.033349
0.34258	2.64E-14	0.044217	0.34036	0.186392	5.06E-05	0.057102	0.21806	0.117962
0.33344	1.37E-13	0.006269	0.89253	0.128791	0.00531	0.019401	0.67582	0.05094
0.153207	0.0009	-0.0786	0.08977	0.13475	0.00353	-0.11923	0.00991	0.075063
0.066053	0.15411	0.011666	0.80148	0.0476	0.30467	0.009046	0.84542	0.003488
0.125375	0.00667	0.056495	0.22301	0.154112	0.00083	0.042132	0.36365	0.063526
0.220842	1.44E-06	0.051231	0.26921	0.118652	0.01028	0.036032	0.43727	0.019549

0.209536	4.95E-06	0.015068	0.74535	0.222796	1.16E-06	-0.02096	0.65146	0.070585
0.239187	1.68E-07	0.027209	0.55752	0.182804	7.09E-05	0.008676	0.85167	0.036368
0.065914	0.15499	-0.07876	0.08911	0.036063	0.43687	-0.078	0.09225	0.007195
0.402999	1.16E-19	0.012421	0.78892	0.076155	0.10024	0.041145	0.375	0.064746
-0.01537	0.74052	-0.01782	0.70084	-0.03099	0.50408	-0.017	0.714	-0.00867
0.168722	0.00025	0.024288	0.6006	0.165048	0.00034	0.014221	0.75922	0.041261
0.217084	2.19E-06	0.039825	0.39053	0.231856	4.06E-07	0.016609	0.72035	0.057716
0.156638	0.00068	0.046481	0.3162	0.185902	5.30E-05	0.037016	0.42484	0.095233
0.083486	0.07147	0.013596	0.7695	0.067124	0.14753	0.047538	0.3053	0.09023
0.194521	2.31E-05	-0.04438	0.33855	0.021683	0.64023	-0.0369	0.4263	0.116131
0.206	7.19E-06	0.066699	0.15012	0.21948	1.68E-06	0.033962	0.46406	0.095983
0.148279	0.00131	-0.00617	0.89425	0.027733	0.54995	-0.02906	0.53097	0.010346
0.123163	0.00771	-0.04956	0.28512	0.050405	0.27702	-0.08239	0.07527	-0.00836
0.054063	0.2436	0.000736	0.98734	0.106071	0.02188	0.041436	0.37163	0.139658
0.195446	2.11E-05	0.028793	0.5348	0.2123	3.68E-06	0.012851	0.7818	0.086213
0.164948	0.00034	0.115839	0.01224	0.161125	0.00047	0.107784	0.01982	0.068465
0.131562	0.0044	0.113888	0.01379	0.177052	0.00012	0.06173	0.18296	0.087774
0.151463	0.00103	0.005286	0.90929	0.160352	0.0005	-0.01697	0.7145	0.045188
0.155047	0.00077	0.019938	0.66738	0.227546	6.71E-07	0.002823	0.95149	0.041147
0.170617	0.00021	0.012953	0.78011	0.202275	1.06E-05	-0.01209	0.79448	0.061322
0.167897	0.00027	-0.04021	0.38591	0.059391	0.20014	-0.00671	0.88496	0.033022
0.219327	1.71E-06	-0.01319	0.7762	0.128523	0.00541	-0.00468	0.91964	0.081363
0.107531	0.02011	-0.07228	0.11879	0.062916	0.17468	-0.08618	0.06276	0.043298
0.12971	0.00499	-0.05178	0.26411	0.065742	0.15607	-0.06513	0.15995	0.001942
0.113786	0.01388	-0.04481	0.33395	0.047348	0.30724	-0.08441	0.06838	-0.04002
0.143755	0.00184	0.04224	0.36242	0.147051	0.00144	0.026588	0.56656	0.023469
0.149114	0.00123	0.066414	0.15187	0.181578	7.94E-05	0.043617	0.34697	0.056835
0.216382	2.36E-06	0.06608	0.15394	0.256023	2.00E-08	0.096737	0.03663	0.100578
0.105126	0.02309	0.010858	0.81497	0.128839	0.0053	-0.04008	0.38749	0.104242
0.087421	0.05906	-0.03187	0.4921	0.114694	0.01313	-0.01875	0.68615	0.071843
0.145244	0.00165	-0.00143	0.97533	0.105605	0.02247	-0.00202	0.96535	0.050333
0.165777	0.00032	-0.02845	0.53975	0.019821	0.66922	-0.01523	0.74267	0.076114
0.089505	0.05325	0.022878	0.62191	0.068404	0.13995	0.006985	0.88033	-0.05849
0.156596	0.00068	-0.04545	0.32706	0.07512	0.10495	-0.06561	0.15688	0.066026
0.14463	0.00173	0.029408	0.52612	0.200574	1.26E-05	0.002112	0.96369	0.041499
0.158794	0.00057	0.034899	0.45182	0.165438	0.00033	0.006831	0.88296	0.006653
0.107055	0.02067	-0.04367	0.34636	0.024139	0.60283	-0.03163	0.49531	0.035221
0.032811	0.47935	-0.04165	0.36914	-0.01558	0.73703	-0.01636	0.7244	-0.0273
0.166216	0.00031	0.014478	0.755	0.164233	0.00037	0.014631	0.7525	0.065762
0.139706	0.00248	-0.04815	0.29916	0.037649	0.41696	-0.05761	0.21399	-0.04227
0.142358	0.00204	-0.02723	0.55719	0.100841	0.02934	-0.01417	0.75999	0.031117
0.151981	0.00099	-0.02177	0.63887	0.06448	0.16418	-0.01421	0.75935	0.076273
0.140597	0.00232	-0.06218	0.17979	0.039703	0.39198	-0.06662	0.15062	-0.02466
0.091757	0.04751	0.063981	0.16748	0.102972	0.02607	0.042134	0.36363	0.009545
0.121882	0.00837	0.057057	0.21843	0.174048	0.00016	0.038599	0.40529	0.093096

0.191822	3.01E-05	0.018177	0.69521	0.15272	0.00093	0.019143	0.67989	0.041482
0.138236	0.00276	0.055718	0.22945	0.161569	0.00046	0.052109	0.26108	0.000206
0.246659	6.68E-08	0.015231	0.7427	0.18241	7.35E-05	-0.00713	0.8778	0.053212
0.114809	0.01304	0.007187	0.8769	0.14159	0.00216	-0.01135	0.80668	0.139892
0.203634	9.19E-06	0.01476	0.75039	0.101554	0.02821	-0.01141	0.80568	-0.00888
0.064849	0.16178	-0.01326	0.77508	0.081289	0.07928	-0.0302	0.51504	-0.02901
0.181937	7.68E-05	0.005774	0.90097	0.1724	0.00018	0.023136	0.61799	0.077519
0.115074	0.01283	-0.00905	0.8453	0.098833	0.03274	-0.05	0.28091	0.000398
0.063191	0.1728	0.079092	0.08777	0.042755	0.35659	0.036121	0.43613	-0.07386
0.196821	1.84E-05	0.00307	0.94724	0.180744	8.57E-05	-0.01747	0.70651	0.035679
0.160284	0.00051	-0.016	0.73026	0.135835	0.00327	-0.01803	0.69757	0.057947
0.054966	0.23581	-0.10993	0.01748	0.009137	0.84389	-0.09244	0.04587	0.009732
0.154514	0.00081	0.047432	0.30638	0.161956	0.00044	0.035299	0.44665	0.063034
0.168009	0.00027	0.007718	0.86788	0.122324	0.00814	-0.02946	0.52539	0.002007
0.198139	1.61E-05	0.029849	0.51993	0.215496	2.60E-06	0.016587	0.7207	0.066443
0.074821	0.10635	-0.06205	0.18068	-0.07092	0.12591	-0.05359	0.24775	-0.00743
0.200186	1.31E-05	-0.00019	0.99682	0.166935	0.00029	-0.00964	0.83535	0.074976
0.173592	0.00016	0.032438	0.48437	0.130349	0.00478	0.028336	0.54131	0.002856
0.179527	9.58E-05	0.056687	0.22144	0.173562	0.00016	0.031148	0.50192	0.048681
0.121516	0.00857	-0.0023	0.96045	0.093765	0.04283	-0.00738	0.87361	0.045968
0.202808	1.00E-05	0.018476	0.69046	0.09378	0.0428	-0.00105	0.98186	-0.00223
0.148211	0.00132	0.009603	0.83603	0.161144	0.00047	0.012991	0.77949	0.064363
0.2042	8.67E-06	0.041139	0.37507	0.271083	2.61E-09	0.035524	0.44376	0.077838
0.064057	0.16697	-0.10824	0.0193	0.033596	0.46889	-0.08026	0.08318	0.069926
0.154359	0.00082	0.037264	0.42174	0.223681	1.05E-06	0.012969	0.77984	0.036205
0.218635	1.84E-06	0.012742	0.78359	0.160739	0.00049	-0.00299	0.94854	0.071456
0.075402	0.10365	-0.06469	0.1628	0.00027	0.99536	-0.02713	0.55861	0.000968
0.176136	0.00013	0.009463	0.83838	0.171303	0.0002	-0.00754	0.87097	0.087808
0.156042	0.00071	0.046613	0.31482	0.176956	0.00012	0.038348	0.40836	0.020642
0.085656	0.06439	-0.01404	0.76218	0.086909	0.06057	-0.01133	0.80708	0.048579
0.091867	0.04724	0.038914	0.40146	0.05302	0.25283	-0.00939	0.83962	0.017197
0.196999	1.80E-05	0.045931	0.32196	0.147218	0.00142	0.025189	0.58715	0.07111
0.252132	3.32E-08	-0.00785	0.8657	0.093205	0.0441	0.004088	0.92979	0.052599
0.150774	0.00108	0.025366	0.58453	0.205072	7.92E-06	-0.00735	0.87416	0.040351
0.259858	1.21E-08	0.05278	0.25498	0.160351	0.0005	0.009552	0.83688	0.029339
0.055284	0.2331	0.065673	0.1565	0.107897	0.01969	-0.0031	0.94668	-0.01995
0.173548	0.00016	0.001383	0.97622	0.193818	2.47E-05	-0.00641	0.89014	0.060158
0.110278	0.01712	0.032709	0.48073	0.154615	0.0008	0.024704	0.59437	-0.02975
0.179834	9.32E-05	0.046925	0.31159	0.099835	0.031	0.019637	0.67211	0.006605
0.115461	0.01253	0.038607	0.40519	0.139145	0.00258	0.084285	0.06879	0.132643
0.150257	0.00113	-0.02373	0.60902	0.075758	0.10203	-0.05754	0.21453	0.020291
0.15589	0.00072	-0.01621	0.72682	0.076959	0.09669	-0.02547	0.58293	-0.00911
0.174373	0.00015	0.07108	0.12506	0.134578	0.00357	0.047487	0.30582	-3.45E-05
0.158853	0.00057	0.013231	0.77551	0.219952	1.59E-06	0.003761	0.93539	0.064258
0.176644	0.00012	0.026797	0.56351	0.128402	0.00546	0.006665	0.88578	0.023202

0.12773	0.00571	0.038809	0.40274	0.130101	0.00486	0.028264	0.54234	0.130739
0.137749	0.00285	-0.08736	0.05924	-0.05702	0.21869	-0.07574	0.10212	-0.05429
0.200793	1.23E-05	-0.00584	0.89978	0.111988	0.01547	-0.00766	0.8688	0.096424
0.197163	1.77E-05	0.024162	0.60249	0.156031	0.00072	-0.00706	0.87908	0.042055
0.193437	2.57E-05	-0.02322	0.61665	0.128145	0.00555	-0.0088	0.84958	0.048716
0.18692	4.81E-05	0.08372	0.07068	0.219719	1.63E-06	0.056774	0.22073	0.11474
0.164177	0.00037	0.06064	0.19083	0.226979	7.17E-07	0.001768	0.96961	0.038983
0.17177	0.00019	-0.02344	0.61334	0.043213	0.35145	-0.0271	0.55905	-0.01583
0.189132	3.90E-05	0.012447	0.78848	0.163437	0.00039	-0.01518	0.74356	0.022599
0.200648	1.25E-05	0.01148	0.80458	0.127713	0.00571	-0.00069	0.98807	0.021105
0.104011	0.02459	-0.00779	0.86664	0.064264	0.1656	-0.05048	0.27632	0.008118
0.20122	1.18E-05	-0.00116	0.9801	0.174949	0.00014	-0.01325	0.77521	0.066463
0.110716	0.01669	0.012536	0.78702	0.123398	0.00759	-0.00055	0.99059	0.016009
0.14521	0.00165	0.058267	0.2088	0.203316	9.50E-06	0.034475	0.45734	0.106226
0.155021	0.00078	-0.02046	0.65926	0.005181	0.91109	-0.00196	0.96627	0.051585
0.204312	8.57E-06	-0.01002	0.82894	0.193555	2.54E-05	-0.03058	0.50976	0.059224
0.152171	0.00097	-0.00051	0.99122	0.080314	0.08296	0.003184	0.94528	-0.00926
0.168902	0.00025	0.002916	0.94988	0.179308	9.77E-05	0.005054	0.91326	0.042091
0.144684	0.00172	0.021123	0.64889	0.185057	5.74E-05	0.011008	0.81245	0.027243
0.180807	8.52E-05	0.008009	0.86296	0.187777	4.44E-05	0.00133	0.97713	0.058403
0.148886	0.00125	0.026015	0.57494	0.145007	0.00168	0.019835	0.66899	0.067958
0.339212	4.87E-14	0.060902	0.18892	0.27827	9.44E-10	0.027013	0.56037	0.10537
0.16828	0.00026	-0.02919	0.52917	0.061191	0.18682	-0.02804	0.54558	-0.01672
0.19855	1.54E-05	-0.01357	0.76986	0.157506	0.00064	-0.04103	0.37633	0.00639
0.138854	0.00264	0.013248	0.77523	0.157092	0.00066	0.03383	0.4658	0.126825
0.172466	0.00018	-0.03366	0.46806	0.049512	0.28563	-0.04362	0.34693	-0.03102
0.216764	2.27E-06	0.043858	0.34431	0.197602	1.70E-05	0.010756	0.81668	0.038653
0.198513	1.55E-05	-0.01963	0.67216	0.106949	0.0208	-0.01599	0.73034	0.016108
0.166866	0.00029	0.161967	0.00044	0.290777	1.50E-10	0.103259	0.02565	0.207136
0.1448	0.00171	-0.01586	0.7324	0.155276	0.00076	-0.01389	0.76462	0.081495
0.189565	3.74E-05	-0.01417	0.76	0.141899	0.00211	-0.02112	0.64892	0.083368
0.147888	0.00135	0.001674	0.97121	0.078452	0.09037	0.016478	0.72247	-0.01236
0.181706	7.84E-05	0.036921	0.42603	0.103835	0.02484	0.009379	0.8398	0.025458
0.179914	9.25E-05	0.01716	0.71148	0.185283	5.62E-05	-0.00817	0.86024	0.073117
0.18121	8.21E-05	0.043219	0.35138	0.154965	0.00078	0.004109	0.92942	0.023293
0.199895	1.35E-05	0.016453	0.72287	0.205489	7.58E-06	0.005452	0.90647	0.075928
0.185183	5.67E-05	0.036069	0.4368	0.159838	0.00053	0.00542	0.907	0.06051
0.156005	0.00072	-0.01294	0.78038	0.171187	0.0002	-0.0217	0.63992	0.025481
0.153479	0.00088	0.070696	0.12712	0.180968	8.40E-05	0.034254	0.46023	0.067151
0.16448	0.00036	0.0302	0.51503	0.241978	1.20E-07	0.001603	0.97244	0.067671
0.11558	0.01244	-0.00645	0.88936	0.084762	0.06724	-0.02962	0.52309	0.027532
0.168586	0.00025	-0.01246	0.78819	0.140632	0.00232	-0.00328	0.94368	0.077408
0.147427	0.0014	-0.04603	0.32092	0.059389	0.20016	-0.03687	0.42669	-0.00277
0.085439	0.06507	0.035684	0.44171	0.107013	0.02072	0.087887	0.05772	0.045209
0.170383	0.00022	-0.00643	0.88977	0.113811	0.01386	0.002573	0.95578	0.081909



0.160524	0.0005	0.037726	0.416	0.185932	5.29E-05	0.009568	0.83662	0.058911
0.252736	3.07E-08	0.003446	0.94079	0.198789	1.51E-05	-0.00561	0.90369	0.073124
0.105876	0.02212	-0.00185	0.96823	0.088433	0.05618	-0.0112	0.80917	0.001484
0.087722	0.05819	-0.02306	0.6191	0.095315	0.0395	-0.02121	0.64761	0.027741
0.161085	0.00047	-0.01362	0.76902	0.125102	0.00679	-0.01487	0.74861	0.040122
0.135329	0.00339	0.028774	0.53508	0.078997	0.08815	-0.00482	0.91728	-0.01741
0.14001	0.00243	-0.04271	0.35706	0.065443	0.15796	-0.06	0.19557	-0.00853
0.176555	0.00013	0.001171	0.97986	0.161776	0.00045	-0.00418	0.9282	0.059623
0.131338	0.00447	-0.04015	0.38672	0.136918	0.00303	-0.05001	0.28082	0.042501
0.175355	0.00014	0.049554	0.28522	0.14273	0.00199	-0.00229	0.96061	0.004775
0.159874	0.00052	0.02231	0.63059	0.187644	4.49E-05	-0.00173	0.97027	0.053096
0.134364	0.00363	-0.05999	0.19563	0.054428	0.24043	-0.01966	0.67178	0.008297
0.19637	1.92E-05	0.038236	0.40972	0.212455	3.62E-06	0.034312	0.45948	0.052939
0.196209	1.95E-05	0.036301	0.43385	0.227665	6.62E-07	0.030571	0.50988	0.081724
0.166721	0.0003	0.0102	0.82599	0.190436	3.44E-05	-0.00198	0.96602	0.068237
0.110123	0.01728	0.018391	0.69181	0.185701	5.40E-05	0.093835	0.04268	0.124281
0.187725	4.46E-05	0.028691	0.53625	0.175339	0.00014	7.79E-05	0.99866	0.053921
0.093402	0.04365	-0.01449	0.75476	0.052372	0.25868	0.000265	0.99543	0.041682
0.168194	0.00026	0.059173	0.20181	0.221801	1.29E-06	0.010988	0.8128	0.051722
0.165287	0.00033	0.028159	0.54385	0.183241	6.80E-05	-0.0032	0.94504	0.056802
0.20595	7.23E-06	-0.00502	0.91378	0.1323	0.00418	-0.0069	0.88186	0.062368
0.202501	1.03E-05	-0.00297	0.94902	0.090709	0.05011	0.004287	0.92638	0.001982
0.145642	0.0016	0.078175	0.09152	0.142544	0.00202	0.06448	0.16419	0.077082
0.195775	2.04E-05	0.000239	0.9959	0.107259	0.02043	0.001936	0.96671	0.002734
0.157401	0.00064	-0.0139	0.76448	0.122437	0.00808	-0.01831	0.69307	0.106621
0.152106	0.00098	0.002343	0.95973	0.126554	0.00617	0.015138	0.74422	0.005903
0.172148	0.00019	0.014278	0.75828	0.177638	0.00011	-0.0156	0.73672	0.032443
0.127257	0.00589	0.025087	0.58867	0.102555	0.02668	0.015645	0.73596	0.00338
0.18309	6.90E-05	0.041025	0.37639	0.185878	5.31E-05	0.027704	0.55038	0.058703
0.099789	0.03108	-0.00667	0.88567	0.089117	0.05429	-0.02324	0.61637	-0.0364
0.099617	0.03137	0.017278	0.70958	0.12829	0.0055	0.036749	0.42819	0.074082
0.21002	4.70E-06	-0.00265	0.95439	0.137528	0.0029	-0.032	0.49029	0.013909
0.130613	0.0047	0.050185	0.27913	0.129797	0.00496	-0.00693	0.88135	0.050307
0.148858	0.00125	-0.01594	0.7311	0.189769	3.67E-05	-0.02304	0.61944	0.062108
0.17203	0.00019	0.009383	0.83974	0.137686	0.00287	-0.00587	0.89935	0.062818
0.159131	0.00056	0.00364	0.93747	0.154843	0.00079	-0.01419	0.75969	0.074273
0.141612	0.00216	0.013278	0.77473	0.078051	0.09204	0.001151	0.9802	-0.02052
0.209629	4.90E-06	0.076845	0.09719	0.221286	1.37E-06	0.064348	0.16505	0.085263
0.118535	0.01036	-0.00498	0.9145	0.068577	0.13894	-0.01287	0.78156	0.088115
0.133249	0.00392	0.027216	0.55743	0.166405	0.0003	-0.00162	0.97217	0.030287
0.150496	0.00111	-0.04568	0.32458	0.009036	0.84558	-0.0243	0.60048	0.01578
0.068211	0.14107	-0.0026	0.95536	0.106348	0.02153	-0.04411	0.3415	0.032239
0.202755	1.01E-05	0.001594	0.97259	0.193555	2.54E-05	-0.00412	0.92924	0.077667
0.062882	0.17491	-0.01201	0.79583	0.018668	0.6874	0.009	0.84619	0.004867
0.074402	0.10833	-0.04615	0.31965	0.02744	0.55417	-0.04199	0.36527	0.053522

0.200019	1.33E-05	-0.01922	0.67869	0.078016	0.09219	-0.01834	0.69259	-0.01641
0.160742	0.00049	0.039315	0.39663	0.140943	0.00227	-0.03909	0.3994	0.023415
0.153865	0.00085	-0.03166	0.49494	0.082561	0.07468	-0.02226	0.63131	-0.00054
0.129412	0.0051	-0.01064	0.81856	0.091346	0.04851	-0.04967	0.28408	0.064306
0.123619	0.00748	0.045454	0.32702	0.122322	0.00814	0.035168	0.44834	0.043244
0.131485	0.00442	-0.03749	0.41894	0.112677	0.01484	-0.02727	0.55667	0.014112
0.082173	0.07606	-0.0184	0.69172	0.137214	0.00297	-0.04394	0.34337	0.025732
0.189052	3.93E-05	0.022601	0.62614	0.149327	0.00121	-0.02519	0.58712	0.039415
0.163342	0.00039	0.026439	0.56873	0.152357	0.00096	0.029574	0.52378	0.052754
0.126233	0.0063	0.016669	0.71938	0.153538	0.00087	0.03297	0.47723	0.031945
0.188268	4.24E-05	0.050941	0.27194	0.173613	0.00016	0.028031	0.54568	0.067329
0.218576	1.86E-06	-0.03319	0.47425	0.02143	0.64414	0.012163	0.79321	0.034159
0.181218	8.21E-05	-0.00534	0.90844	0.086416	0.06205	-0.01567	0.7356	-0.00549
0.097693	0.03481	-0.04948	0.28595	0.066089	0.15389	-0.02962	0.5232	0.021798
0.12803	0.00559	0.027016	0.56033	0.029342	0.52704	0.045522	0.32629	0.045485
0.155021	0.00078	-0.02046	0.65926	0.005181	0.91109	-0.00196	0.96627	0.051585
0.162592	0.00042	0.004838	0.91695	0.153191	0.0009	-0.01088	0.81454	0.048638
0.13584	0.00327	-0.02623	0.57183	0.090137	0.05158	-0.03105	0.50331	0.114617
0.157381	0.00064	0.051074	0.27069	0.208081	5.78E-06	0.013691	0.76792	0.031987
0.162158	0.00043	0.014122	0.76084	0.218899	1.79E-06	-0.02702	0.56029	0.016245
0.162379	0.00043	-0.04571	0.32428	0.058424	0.20758	-0.03657	0.4305	-0.01293
0.148095	0.00133	0.022826	0.62271	0.151982	0.00099	0.004004	0.93123	0.065825
0.107624	0.02	0.005487	0.90586	0.144284	0.00177	-0.01348	0.77133	0.137397
0.057726	0.21307	-0.02325	0.6162	0.05457	0.2392	-0.01284	0.78196	-0.01262
0.157143	0.00065	0.008834	0.849	0.129622	0.00502	-0.00482	0.91725	-0.00052
0.100632	0.02968	0.025164	0.58752	0.182352	7.39E-05	0.02579	0.57826	0.081307
0.17911	9.95E-05	0.002759	0.95259	0.174031	0.00016	0.002661	0.95426	0.083801
0.071345	0.12365	0.282033	5.47E-10	0.386004	4.84E-18	0.267422	4.34E-09	0.063831
0.053215	0.25109	0.196234	1.95E-05	0.287296	2.52E-10	0.096628	0.03685	0.024389
0.030981	0.50422	0.056473	0.22319	0.149416	0.0012	-0.05912	0.2022	-0.03097
0.005672	0.9027	-0.02536	0.58456	0.046821	0.31266	-0.10591	0.02208	0.0009
0.031163	0.50171	0.328478	3.28E-13	0.273086	1.97E-09	0.267757	4.14E-09	-0.03107
0.137848	0.00283	0.35761	1.56E-15	0.339725	4.44E-14	0.331878	1.81E-13	-0.03484
0.032411	0.48473	0.181062	8.32E-05	0.224872	9.13E-07	0.084531	0.06798	-0.03647
0.037095	0.42385	0.187485	4.56E-05	0.165601	0.00033	0.132928	0.00401	0.002965
0.189404	3.80E-05	0.243162	1.03E-07	0.3939	8.77E-19	0.254154	2.56E-08	0.314432
0.077934	0.09253	0.153111	0.0009	0.242226	1.16E-07	0.166289	0.00031	0.053811
-0.03882	0.40264	0.082523	0.07481	0.084405	0.0684	0.016992	0.71418	-0.14996
0.014719	0.75106	0.145435	0.00163	0.160398	0.0005	0.06221	0.17957	-0.09757
0.212023	3.80E-06	0.237372	2.10E-07	0.442337	8.57E-24	0.141475	0.00218	0.049555
0.015398	0.73998	0.159137	0.00056	0.173007	0.00017	0.069665	0.13277	-0.08841
0.213326	3.30E-06	0.446897	2.62E-24	0.613319	1.36E-49	0.32247	9.22E-13	0.199818
0.019477	0.67463	0.288598	2.08E-10	0.17265	0.00018	0.230754	4.62E-07	0.123734
0.039721	0.39176	0.079399	0.08654	0.200517	1.27E-05	-0.11338	0.01423	-0.12307
0.018679	0.68723	0.171621	0.00019	0.258108	1.52E-08	0.087187	0.05975	-0.01156

-0.02979	0.52076	0.07652	0.09862	0.148315	0.00131	0.052273	0.25959	0.076468
-0.01692	0.71536	0.073319	0.11358	0.070331	0.1291	0.013371	0.77321	-0.07583
0.047902	0.30161	0.224544	9.48E-07	0.285052	3.52E-10	0.250631	4.03E-08	0.144808
0.179615	9.51E-05	0.327699	3.75E-13	0.371162	1.06E-16	0.273032	1.99E-09	0.057744
0.139238	0.00256	0.545644	1.39E-37	0.56089	4.72E-40	0.601401	2.87E-47	0.223591
0.019513	0.67405	0.114518	0.01328	0.277741	1.02E-09	-0.0183	0.69319	0.036292
0.198334	1.58E-05	0.171003	0.0002	0.198336	1.58E-05	0.126339	0.00626	-0.04707
0.126033	0.00639	0.290024	1.68E-10	0.243896	9.43E-08	0.203456	9.36E-06	0.036532
0.137418	0.00292	0.43582	4.52E-23	0.431743	1.26E-22	0.358252	1.37E-15	0.085593
0.021135	0.6487	0.088183	0.05688	0.07215	0.11947	0.049168	0.289	-0.00379
0.050646	0.27473	0.149388	0.0012	0.217717	2.04E-06	0.075089	0.1051	0.029371
0.055172	0.23406	0.191432	3.12E-05	0.389691	2.19E-18	0.117143	0.0113	0.045471
0.058896	0.20393	0.345668	1.49E-14	0.368156	1.95E-16	0.405019	7.31E-20	0.215126
0.028882	0.53354	0.138714	0.00266	0.196903	1.82E-05	0.018398	0.6917	-0.02056
0.125975	0.00641	0.251055	3.82E-08	0.174371	0.00015	0.16158	0.00046	0.020898
0.036938	0.42582	0.229227	5.52E-07	0.124196	0.00721	0.201435	1.15E-05	-0.07221
0.006612	0.88668	0.198138	1.61E-05	0.237475	2.07E-07	0.133688	0.0038	0.028349
0.119506	0.00974	0.225688	8.32E-07	0.316286	2.61E-12	0.101998	0.02752	0.043871
0.137229	0.00296	0.568799	2.21E-41	0.595993	3.03E-46	0.480946	2.09E-28	0.159309
0.024985	0.59018	0.119476	0.00976	0.087032	0.0602	-0.00014	0.9976	-0.12741
0.338419	5.62E-14	0.438168	2.49E-23	0.505495	1.17E-31	0.341323	3.32E-14	0.140377
0.186618	4.95E-05	0.382312	1.06E-17	0.495236	2.87E-30	0.233384	3.39E-07	0.118915
0.065972	0.15462	0.11426	0.01349	0.166421	0.0003	0.015967	0.73073	-0.01296
-0.02403	0.60442	-0.00248	0.9573	-0.02349	0.61267	-0.11642	0.01181	-0.1485
0.061455	0.18492	0.16391	0.00038	0.22193	1.27E-06	0.06324	0.17247	-0.04869
0.00203	0.9651	0.216876	2.24E-06	0.08712	0.05994	0.106897	0.02086	-0.25505
0.047596	0.30471	0.091584	0.04793	0.19206	2.94E-05	-0.0222	0.63232	0.042346
0.023492	0.61259	0.242807	1.08E-07	0.197666	1.69E-05	0.156612	0.00068	-0.07646
0.037404	0.42	0.1003	0.03022	0.104788	0.02353	0.017029	0.71359	-0.07003
0.153237	0.00089	0.263457	7.45E-09	0.357844	1.49E-15	0.258093	1.53E-08	0.119443
0.003685	0.93669	0.208224	5.69E-06	0.173658	0.00016	0.156649	0.00068	-0.07229
-0.0043	0.92617	0.049009	0.29056	0.178718	0.0001	0.009386	0.83968	0.195423
0.011671	0.8014	0.05054	0.27574	-0.05466	0.2384	0.035271	0.44701	-0.11505
0.018248	0.69409	0.12497	0.00685	0.055138	0.23434	0.054904	0.23633	-0.12484
0.159838	0.00053	0.333242	1.42E-13	0.425666	5.62E-22	0.272978	2.00E-09	0.122609
0.082866	0.07361	0.204267	8.61E-06	0.361547	7.23E-16	0.082181	0.07603	0.02069
0.029745	0.52138	0.129818	0.00496	0.221393	1.35E-06	0.011312	0.80737	-0.04376
0.010091	0.82783	0.305174	1.60E-11	0.237386	2.10E-07	0.28207	5.45E-10	0.028178
0.125662	0.00655	0.131872	0.00431	0.270253	2.93E-09	0.069268	0.135	0.065863
0.121502	0.00858	0.190992	3.26E-05	0.343775	2.12E-14	0.052446	0.25801	-0.01461
0.046504	0.31595	0.034625	0.45538	0.179947	9.22E-05	-0.05036	0.27744	-0.02027
0.016754	0.71802	0.06906	0.13618	0.132812	0.00404	-0.08579	0.06396	-0.11928
0.013216	0.77575	0.135459	0.00336	0.149028	0.00124	0.050949	0.27187	-0.06459
0.098412	0.03349	0.342629	2.61E-14	0.511614	1.64E-32	0.171827	0.00019	0.108078
-0.10583	0.02218	0.201582	1.14E-05	0.038035	0.4122	0.133493	0.00385	0.069373

-0.02424	0.60129	0.116803	0.01154	0.034755	0.45369	-0.0035	0.93985	-0.113
-0.00346	0.94053	0.176047	0.00013	0.160122	0.00051	0.104167	0.02438	-0.05892
0.040893	0.37794	0.003101	0.94671	0.110299	0.0171	-0.05781	0.21239	-0.02562
0.005337	0.90843	0.26448	6.48E-09	0.084442	0.06828	0.241959	1.20E-07	-0.09536
-0.01238	0.78962	0.130168	0.00484	-0.02098	0.65107	0.079095	0.08776	-0.12403
0.019303	0.67736	0.106554	0.02128	0.231511	4.23E-07	0.125017	0.00683	0.081008
0.195896	2.01E-05	0.481865	1.60E-28	0.579682	2.83E-43	0.363213	5.21E-16	0.11727
0.070504	0.12816	-0.00707	0.87895	0.232986	3.55E-07	-0.11014	0.01727	0.055706
0.011669	0.80142	0.13469	0.00354	0.11052	0.01688	0.008677	0.85166	-0.11586
0.049203	0.28866	0.182464	7.31E-05	0.14788	0.00135	0.018039	0.69741	-0.11791
0.006457	0.88932	0.213089	3.38E-06	0.008172	0.8602	0.126715	0.00611	-0.24901
0.145045	0.00167	0.559494	8.05E-40	0.546853	8.92E-38	0.479779	2.94E-28	0.105648
0.162013	0.00044	0.519101	1.40E-33	0.589771	4.31E-45	0.438346	2.38E-23	0.285172
0.177888	0.00011	0.683111	1.84E-65	0.72555	1.72E-77	0.588561	7.18E-45	0.25522
0.306722	1.25E-11	0.415485	6.46E-21	0.591082	2.47E-45	0.292597	1.14E-10	0.159921
0.171587	0.00019	0.528119	6.69E-35	0.614384	8.33E-50	0.395643	5.98E-19	0.134648
0.143238	0.00191	0.628754	9.35E-53	0.61063	4.64E-49	0.459296	9.53E-26	0.187484
0.192672	2.77E-05	0.486672	3.84E-29	0.57836	4.85E-43	0.394164	8.28E-19	0.11631
0.027596	0.55193	0.162747	0.00041	0.125195	0.00675	0.05164	0.2654	-0.08786
-0.04439	0.33852	0.040613	0.38121	-0.00444	0.92377	0.024995	0.59003	-0.14571
-0.02893	0.53286	0.140843	0.00228	0.155076	0.00077	0.05446	0.24015	0.014754
0.02497	0.5904	0.277595	1.04E-09	0.161826	0.00045	0.290368	1.59E-10	-0.05288
0.105381	0.02275	0.121542	0.00856	0.355719	2.24E-15	0.020027	0.66599	0.080477
-0.03483	0.45272	0.193973	2.44E-05	0.15104	0.00106	0.111309	0.01611	-0.03499
0.262762	8.18E-09	0.236293	2.39E-07	0.351285	5.21E-15	0.20608	7.13E-06	0.027782
-0.03754	0.41833	0.088823	0.05509	0.174684	0.00015	0.07952	0.08606	0.06016
0.044637	0.33579	0.034333	0.4592	0.192055	2.94E-05	-0.0892	0.05408	-0.10064
0.085739	0.06413	0.489043	1.89E-29	0.4019	1.48E-19	0.395751	5.84E-19	-0.03093
0.092843	0.04493	0.107697	0.01992	0.332848	1.52E-13	0.043776	0.3452	0.066615
-0.05473	0.23783	0.041937	0.36587	0.05064	0.27479	-0.07459	0.10743	-0.17434
0.186912	4.82E-05	0.251535	3.59E-08	0.363785	4.65E-16	0.23639	2.36E-07	0.247707
0.033763	0.46669	0.099067	0.03232	0.062531	0.17733	0.007519	0.87126	-0.14976
-0.00221	0.96209	-0.05851	0.20694	-0.01317	0.77645	-0.04364	0.34668	0.115247
0.029724	0.52168	0.10278	0.02635	0.135321	0.00339	-0.05063	0.27487	-0.00862
0.021416	0.64436	0.054461	0.24014	0.042956	0.35433	-0.08574	0.06414	-0.08209
0.05158	0.26597	0.000299	0.99485	0.08954	0.05315	-0.08934	0.05369	-0.03038
0.018382	0.69195	-0.00997	0.82982	0.018249	0.69407	-0.08472	0.06739	-0.01014
0.054023	0.24395	0.034245	0.46035	0.086086	0.06306	-0.06582	0.15559	-0.06272
0.027022	0.56023	0.135367	0.00338	0.062584	0.17697	0.026691	0.56506	-0.07876
-0.01671	0.71868	0.162536	0.00042	0.044377	0.33862	0.095997	0.0381	0.015349
0.305354	1.55E-11	0.477315	6.02E-28	0.487415	3.08E-29	0.392277	1.25E-18	0.106857
0.230353	4.84E-07	0.174708	0.00015	0.163479	0.00039	0.153246	0.00089	-0.03219
0.106882	0.02088	0.343963	2.04E-14	0.386956	3.95E-18	0.349771	6.94E-15	0.32172
0.160554	0.0005	0.55363	7.33E-39	0.51069	2.21E-32	0.473706	1.70E-27	0.04883
0.032484	0.48375	0.251268	3.71E-08	0.273498	1.86E-09	0.167793	0.00027	-0.03296

0.044173	0.34084	0.10756	0.02008	0.245052	8.17E-08	0.011331	0.80706	-0.01058
0.069456	0.13394	0.347853	9.94E-15	0.283104	4.68E-10	0.354546	2.80E-15	0.11212
0.171185	0.0002	0.388015	3.15E-18	0.27262	2.11E-09	0.322894	8.58E-13	-0.07554
0.084805	0.06709	0.08367	0.07085	0.17372	0.00016	-0.00534	0.90845	-0.06464
0.308507	9.36E-12	0.203826	9.01E-06	0.48797	2.61E-29	0.272379	2.18E-09	0.155764
0.058283	0.20868	0.152935	0.00091	0.294374	8.65E-11	-0.00517	0.91135	-0.00824
0.117648	0.01095	0.190474	3.43E-05	0.318275	1.87E-12	0.174031	0.00016	0.068987
-0.00326	0.94397	0.222028	1.26E-06	0.162203	0.00043	0.13653	0.00311	-0.11779
0.035963	0.43814	0.067539	0.14504	0.237275	2.12E-07	-0.05945	0.19971	0.030534
0.117745	0.01088	0.038219	0.40994	0.193927	2.45E-05	-0.05512	0.23445	0.004044
0.00484	0.91693	-0.01039	0.82288	0.066151	0.1535	-0.05753	0.21466	0.044323
0.127151	0.00593	0.556963	2.10E-39	0.432299	1.09E-22	0.553996	6.39E-39	0.062461
0.002045	0.96485	0.239512	1.62E-07	0.087006	0.06028	0.163551	0.00039	-0.13489
-0.00634	0.89132	-0.02066	0.65611	0.110519	0.01688	-0.07363	0.11204	0.121275
0.13068	0.00468	0.55997	6.71E-40	0.478862	3.84E-28	0.501122	4.63E-31	0.012224
0.0682	0.14114	0.17736	0.00012	0.323847	7.29E-13	0.091432	0.0483	0.05323
0.068292	0.1406	0.184575	6.01E-05	0.251432	3.64E-08	0.101671	0.02803	0.02987
0.041566	0.37013	0.10809	0.01947	0.233252	3.44E-07	-0.02689	0.56216	-0.01317
-0.00338	0.94191	0.15917	0.00056	0.172674	0.00018	0.125378	0.00667	0.006086
0.045877	0.32253	0.140296	0.00238	0.175466	0.00014	0.044125	0.34137	-0.06332
0.045446	0.3271	0.077992	0.09229	0.106761	0.02102	0.034876	0.45212	-0.03375
0.050071	0.28022	0.202397	1.04E-05	0.374621	5.24E-17	0.172387	0.00018	0.147203
0.10498	0.02328	0.146168	0.00154	0.106074	0.02187	0.018844	0.68463	-0.17609
0.145681	0.0016	0.050441	0.27668	0.093878	0.04258	-0.05203	0.26177	-0.15005
0.42376	8.93E-22	0.538979	1.52E-36	0.679375	1.68E-64	0.501379	4.27E-31	0.17447
-0.01535	0.74079	0.084352	0.06857	0.181925	7.69E-05	0.056813	0.22041	-0.04677
-0.01366	0.76841	0.09981	0.03104	0.284368	3.89E-10	0.018426	0.69125	0.051974
0.120091	0.00939	0.375058	4.79E-17	0.473939	1.59E-27	0.320982	1.19E-12	0.098174
0.271988	2.30E-09	0.358093	1.42E-15	0.468397	7.66E-27	0.378999	2.12E-17	0.11642
-0.01111	0.81069	0.183004	6.96E-05	0.032629	0.4818	0.09527	0.03959	-0.1574
0.127397	0.00583	0.199458	1.41E-05	0.252637	3.11E-08	0.205578	7.51E-06	0.035529
0.00375	0.93559	0.178852	0.0001	0.230718	4.64E-07	0.034384	0.45853	-0.06792
0.12081	0.00897	0.298854	4.33E-11	0.180332	8.90E-05	0.219427	1.69E-06	-0.03805
0.200739	1.24E-05	0.526339	1.23E-34	0.550426	2.41E-38	0.389669	2.20E-18	0.093786
0.120882	0.00893	0.30135	2.93E-11	0.38084	1.44E-17	0.112065	0.0154	0.033095
0.138467	0.00271	0.361318	7.56E-16	0.357989	1.45E-15	0.396086	5.42E-19	0.076731
0.034984	0.45072	0.111755	0.01569	0.262211	8.81E-09	-0.02918	0.52933	-0.04855
0.000255	0.99561	0.160655	0.00049	0.037325	0.42098	0.078942	0.08837	-0.10425
0.017094	0.71254	0.303159	2.20E-11	0.185709	5.40E-05	0.2498	4.48E-08	-0.08901
0.138046	0.00279	0.481752	1.65E-28	0.391384	1.52E-18	0.356113	2.08E-15	0.01567
-0.02289	0.62178	0.044721	0.33489	-0.01542	0.73965	0.058667	0.20569	0.021436
0.137178	0.00297	0.241472	1.27E-07	0.215888	2.50E-06	0.192348	2.86E-05	0.014841
0.178883	0.0001	0.44924	1.42E-24	0.497156	1.59E-30	0.333448	1.37E-13	0.083709
0.071459	0.12305	0.180108	9.09E-05	0.271277	2.54E-09	0.125534	0.0066	0.079398
0.060029	0.19534	0.136571	0.0031	0.251049	3.82E-08	-0.06508	0.16029	-0.02466

0.049686	0.28394	0.138719	0.00266	0.216783	2.26E-06	0.020787	0.65411	-0.0288
0.012117	0.79396	0.131959	0.00428	0.151873	0.00099	0.022779	0.62342	-0.11163
0.086772	0.06098	0.205619	7.48E-06	0.347672	1.03E-14	0.081113	0.07993	-9.89E-06
0.138765	0.00265	0.284455	3.84E-10	0.390278	1.93E-18	0.274939	1.52E-09	0.073613
0.015532	0.7378	0.247137	6.28E-08	0.315895	2.79E-12	0.148599	0.00128	-0.00234
-0.02777	0.54949	0.031887	0.49182	0.020971	0.65125	-0.05289	0.25395	-0.07594
0.021834	0.63791	0.21971	1.64E-06	0.214934	2.77E-06	0.267595	4.23E-09	0.019689
0.087598	0.05855	0.050249	0.27851	0.160991	0.00048	-0.00022	0.99627	-0.04652
0.24045	1.44E-07	0.46271	3.73E-26	0.589745	4.36E-45	0.321244	1.14E-12	0.085962
0.163124	0.0004	0.379415	1.94E-17	0.631166	2.89E-53	0.368277	1.90E-16	0.260119
0.075356	0.10387	0.427336	3.73E-22	0.315478	2.99E-12	0.298013	4.94E-11	-0.01059
0.159589	0.00054	0.108515	0.01899	0.255323	2.20E-08	0.009506	0.83767	-0.0051
-0.01413	0.76073	-0.00811	0.86123	0.091323	0.04857	-0.10728	0.0204	0.149141
-0.13755	0.0029	-0.18952	3.76E-05	-0.13732	0.00294	-0.10866	0.01883	0.12086
0.263556	7.35E-09	0.435414	5.01E-23	0.597036	1.93E-46	0.383578	8.11E-18	0.155901
0.015859	0.73249	0.22303	1.13E-06	0.122552	0.00802	0.191392	3.13E-05	0.032214
0.18359	6.59E-05	0.157001	0.00066	0.296176	6.56E-11	0.093673	0.04304	0.052794
0.151893	0.00099	0.277412	1.07E-09	0.433057	9.05E-23	0.226946	7.20E-07	0.1718
0.072856	0.11588	0.149917	0.00116	0.310732	6.52E-12	0.05907	0.20259	0.007012
0.210637	4.40E-06	0.61704	2.44E-50	0.707518	4.08E-72	0.493291	5.21E-30	0.262569
0.017993	0.69815	0.155935	0.00072	0.111354	0.01607	0.100319	0.03019	-0.11333
0.032567	0.48263	0.103584	0.02519	0.239742	1.57E-07	-0.0175	0.70603	-0.06501
0.098006	0.03423	0.373453	6.66E-17	0.341791	3.05E-14	0.361932	6.70E-16	0.112096
0.096371	0.03735	0.126225	0.00631	0.39309	1.05E-18	0.074792	0.10648	0.19248
0.020097	0.66488	0.099643	0.03133	0.244058	9.24E-08	0.05294	0.25355	-0.02977
0.026057	0.57433	0.134231	0.00366	0.151649	0.00101	0.000802	0.98621	-0.08479
0.026308	0.57064	0.18929	3.84E-05	0.199953	1.34E-05	0.104129	0.02443	-0.0079
0.138744	0.00266	0.208933	5.28E-06	0.39514	6.68E-19	0.120592	0.00909	-0.05228
0.05367	0.24705	0.078602	0.08976	0.201417	1.15E-05	-0.07427	0.10895	-0.04204
-0.01336	0.77331	0.179014	0.0001	0.122228	0.00819	0.052124	0.26095	-0.17524
0.028519	0.5387	0.258843	1.38E-08	0.194069	2.41E-05	0.189275	3.85E-05	-0.07796
0.001805	0.96897	-0.03892	0.40136	0.055023	0.23532	-0.10976	0.01766	-0.00663
0.03163	0.49532	0.088659	0.05555	0.06004	0.19526	0.124196	0.00721	-0.04223
-0.04564	0.32509	0.052695	0.25575	0.094925	0.04032	-0.05203	0.26177	-0.06602
0.064728	0.16257	0.128066	0.00558	0.213282	3.31E-06	0.134922	0.00349	-0.06775
-7.76E-05	0.99867	0.085554	0.06471	-0.02275	0.6239	-0.03004	0.51722	-0.25071
0.182333	7.40E-05	0.162057	0.00044	0.327702	3.75E-13	0.091885	0.0472	0.023893
-0.01402	0.76246	-0.13992	0.00244	0.105278	0.02289	-0.11643	0.01181	0.153117
-0.00136	0.97664	-0.0769	0.09697	0.135052	0.00345	-0.17364	0.00016	0.025237
-0.00717	0.87715	-0.15127	0.00104	0.070399	0.12873	-0.21047	4.48E-06	0.048895
0.038085	0.41158	-0.17978	9.36E-05	0.15545	0.00075	-0.16558	0.00033	0.236333
-0.04864	0.29421	-0.12329	0.00764	0.075847	0.10162	-0.20697	6.49E-06	0.198499
-0.14188	0.00212	-0.17204	0.00019	-0.18685	4.85E-05	-0.20631	6.96E-06	-0.04861
-0.02313	0.61814	-0.18266	7.18E-05	0.009504	0.8377	-0.28671	2.75E-10	0.061716
-0.08357	0.07119	-0.27304	1.98E-09	-0.18706	4.75E-05	-0.2551	2.26E-08	0.018051

-0.02589	0.57679	-0.19417	2.39E-05	-0.11337	0.01424	-0.19644	1.91E-05	0.136864
-0.0493	0.28772	-0.20017	1.31E-05	-0.01305	0.77857	-0.25468	2.39E-08	0.173167
-0.06047	0.19205	-0.13053	0.00472	0.055621	0.23026	-0.17484	0.00015	0.020481
-0.00619	0.89394	-0.2001	1.32E-05	0.129189	0.00517	-0.21935	1.70E-06	0.227405
-0.05368	0.24695	-0.18142	8.05E-05	0.119151	0.00996	-0.18995	3.60E-05	0.174178
-0.09415	0.04199	0.000282	0.99515	-0.04971	0.28369	0.018455	0.69079	0.162885
0.03412	0.46199	-0.13832	0.00274	0.050704	0.27418	-0.21467	2.85E-06	0.256594
0.048535	0.29525	-0.15828	0.0006	0.16779	0.00027	-0.19818	1.60E-05	0.252173
-0.05782	0.2123	-0.23591	2.51E-07	-0.10726	0.02043	-0.22038	1.52E-06	-0.02181
9.94E-05	0.99829	-0.09663	0.03685	0.097695	0.03481	-0.19645	1.91E-05	0.144784
-0.06891	0.13703	-0.19362	2.52E-05	-0.06758	0.14479	-0.11103	0.01638	0.241572
-0.09612	0.03786	-0.15423	0.00083	-0.10734	0.02033	-0.13179	0.00433	0.227958
0.023285	0.61573	-0.11285	0.01469	0.163522	0.00039	-0.12581	0.00648	0.123755
-0.04728	0.3079	-0.18878	4.03E-05	0.102206	0.02721	-0.21976	1.63E-06	0.232118
-0.02691	0.56191	-0.14135	0.0022	-0.04094	0.37742	-0.15805	0.00061	0.109404
-0.02609	0.5739	-0.06582	0.15558	0.080689	0.08153	-0.20443	8.46E-06	0.009158
-0.0504	0.27704	-0.1742	0.00015	0.127965	0.00562	-0.21541	2.63E-06	0.179279
-0.00239	0.959	-0.10312	0.02586	0.064509	0.164	-0.15926	0.00055	0.261883
0.025877	0.57699	-0.08802	0.05734	0.049544	0.28532	-0.1651	0.00034	0.14247
-0.04024	0.38565	-0.08454	0.06797	-0.01034	0.82371	-0.07705	0.09629	0.086354
-0.04961	0.28464	-0.17052	0.00021	0.085935	0.06352	-0.21665	2.29E-06	0.154988
-0.02909	0.53061	-0.16479	0.00035	-0.07464	0.10718	-0.22103	1.41E-06	0.072706
-0.06909	0.13602	-0.21788	2.00E-06	0.042105	0.36395	-0.20813	5.75E-06	0.210318
-0.00956	0.83682	-0.0958	0.03849	0.12653	0.00618	-0.09965	0.03132	0.252543
-0.06041	0.19252	-0.14478	0.00171	0.053682	0.24694	-0.12959	0.00503	0.246166
-0.02491	0.59138	-0.16845	0.00026	0.044877	0.3332	-0.19079	3.32E-05	0.212221
0.127341	0.00586	0.026655	0.56558	0.265663	5.52E-09	-0.00962	0.83573	0.234088
-0.03617	0.43549	-0.17558	0.00014	0.090221	0.05136	-0.23274	3.66E-07	0.045235
0.070789	0.12662	-0.02036	0.66074	0.235936	2.50E-07	-0.03499	0.45066	0.294664
-0.05995	0.19596	-0.12265	0.00797	-0.06867	0.13841	-0.15455	0.00081	0.06019
0.031215	0.501	-0.00022	0.99628	0.143718	0.00185	-0.10436	0.02411	0.12058
-0.08141	0.07883	-0.29328	1.02E-10	-0.1161	0.01205	-0.31662	2.47E-12	0.149834
0.048586	0.29475	-0.02782	0.54872	0.21694	2.22E-06	-0.13045	0.00475	0.043862
-0.01987	0.66851	-0.12787	0.00565	0.105233	0.02295	-0.11719	0.01126	0.235369
-0.06047	0.19204	-0.15191	0.00099	0.072491	0.11772	-0.19092	3.28E-05	0.227904
-0.03726	0.42185	-0.16128	0.00047	0.117122	0.01131	-0.18135	8.11E-05	0.299682
0.015366	0.7405	-0.08503	0.06635	0.13736	0.00293	-0.21888	1.79E-06	0.115005
-0.10163	0.02808	-0.06762	0.14458	-0.04958	0.28497	-0.02541	0.58385	0.067844
-0.00316	0.94567	-0.16047	0.0005	0.033717	0.4673	-0.21583	2.51E-06	0.201217
0.012162	0.79322	0.052948	0.25347	0.042771	0.35641	-0.02227	0.63117	-0.01637
-0.067	0.1483	-0.00515	0.91168	0.029209	0.52891	-0.05795	0.21126	0.023507
-0.00363	0.93765	-0.15559	0.00074	0.147924	0.00135	-0.14098	0.00226	0.245332
0.02449	0.59757	-0.05198	0.26226	0.168035	0.00026	-0.03899	0.40056	0.04932
0.131369	0.00446	0.231495	4.23E-07	0.333752	1.30E-13	0.24543	7.79E-08	0.31263
-0.02482	0.59267	-0.12117	0.00876	0.111292	0.01612	-0.21012	4.65E-06	0.162665

0.009227	0.84236	-0.05713	0.21785	0.158649	0.00058	-0.06412	0.16652	0.154761
-0.06512	0.16001	-0.22911	5.60E-07	0.024028	0.6045	-0.24125	1.31E-07	0.120217
0.023428	0.61357	-0.04974	0.28342	0.217837	2.01E-06	-0.07616	0.1002	0.307575
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-0.11087	0.01654	-0.06023	0.19387	-0.00139	0.97613	-0.10482	0.02349	0.029092
-0.09714	0.03586	-0.14473	0.00171	0.030988	0.50412	-0.22466	9.36E-07	0.122075
-0.09261	0.04547	-0.10606	0.02189	-0.10488	0.02341	-0.16244	0.00042	0.114342
0.002448	0.95792	-0.11916	0.00996	0.113429	0.01418	-0.15579	0.00073	0.067095
0.029747	0.52135	-0.05685	0.22011	0.177907	0.00011	-0.10849	0.01902	0.134257
0.017138	0.71184	-0.09824	0.0338	0.105521	0.02257	-0.15406	0.00084	-0.00466
0.002176	0.96259	-0.04702	0.31064	0.150639	0.00109	-0.13476	0.00353	0.069969
0.051343	0.26817	-0.11561	0.01241	0.129776	0.00497	-0.21428	2.97E-06	0.120366
0.038073	0.41173	-0.07997	0.08428	0.198418	1.56E-05	-0.06718	0.14722	0.250924
-0.01827	0.69378	-0.18446	6.07E-05	0.04641	0.31693	-0.26053	1.10E-08	0.115757
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0.035795	0.44029	-0.14436	0.00176	0.165767	0.00032	-0.14684	0.00146	0.227855
0.038894	0.40171	-0.00915	0.84363	0.183457	6.67E-05	-0.06671	0.15003	0.006708
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0.009519	0.83744	-0.12788	0.00565	-0.0242	0.60197	-0.19513	2.17E-05	0.16039
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0.067674	0.14423	-0.10131	0.02859	0.142517	0.00202	-0.158	0.00061	0.06438
0.010685	0.81787	-0.12407	0.00727	0.12914	0.00519	-0.21683	2.25E-06	0.114061
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0.029805	0.52054	-0.03533	0.44624	0.138941	0.00262	-0.1039	0.02474	0.046874
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0.025343	0.58488	-0.1128	0.01473	0.093279	0.04393	-0.16904	0.00024	0.275466
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0.018128	0.696	-0.14357	0.00187	0.082349	0.07543	-0.15601	0.00072	0.283287
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7.03E-05	0.99879	-0.04035	0.38435	0.138027	0.0028	-0.12562	0.00656	0.05188
0.023659	0.61007	-0.0379	0.41391	0.209109	5.18E-06	-0.10951	0.01791	0.008087
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0.002981	0.94877	-0.05976	0.19738	0.140282	0.00238	-0.18341	6.70E-05	-0.01827
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0.052647	0.25618	0.021738	0.63939	0.195142	2.17E-05	0.063077	0.17357	0.072445
0.038639	0.4048	-0.04254	0.35898	0.133446	0.00386	-0.1293	0.00513	0.201437
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0.058035	0.21063	0.097888	0.03445	0.175687	0.00014	0.062899	0.1748	0.166002
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-0.06523	0.15931	-0.17915	9.92E-05	0.021862	0.63747	-0.17421	0.00015	0.188035
0.024419	0.59863	-0.06623	0.15301	0.187011	4.77E-05	-0.16475	0.00035	0.062431
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0.076269	0.09973	-0.08138	0.07896	0.202885	9.93E-06	-0.05871	0.20537	0.325959
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-0.14457	0.00174	-0.17336	0.00017	-0.18201	7.63E-05	-0.20814	5.74E-06	0.134688
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0.028552	0.53823	-0.08753	0.05875	0.177322	0.00012	-0.19845	1.56E-05	0.060622
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0.014312	0.75773	-0.06217	0.17988	0.115823	0.01226	-0.14359	0.00187	0.149603
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0.019297	0.67747	-0.06443	0.1645	-0.04372	0.34585	-0.13073	0.00466	0.062125
0.022464	0.62823	0.0219	0.63689	-0.00345	0.94071	-0.00743	0.87281	0.007755
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0.225882	8.13E-07	0.131075	0.00455	0.139141	0.00258	0.121275	0.0087	-0.07897
0.031733	0.49392	-0.01325	0.77522	0.068079	0.14185	0.006399	0.8903	0.075644
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0.008203	0.85966	-0.05528	0.23313	-0.07512	0.10496	-0.0619	0.18176	-0.07078
0.185682	5.41E-05	0.164773	0.00035	0.115724	0.01233	0.116253	0.01194	-0.03741
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-0.01954	0.67358	-0.05803	0.21067	-0.04794	0.30126	-0.12296	0.00781	-0.06149
0.004843	0.91686	-0.04545	0.32702	-0.04654	0.31562	-0.1042	0.02433	-0.04333
-0.05076	0.27367	-0.07473	0.10678	-0.04127	0.3735	-0.10856	0.01895	-0.13565
0.026348	0.57007	-0.05748	0.21507	0.01554	0.73768	-0.13163	0.00438	0.0232
-0.04803	0.30029	0.04469	0.33522	-0.02487	0.59188	-0.00353	0.9394	-0.08839
-0.12728	0.00588	-0.05387	0.24527	-0.05153	0.26641	-0.01708	0.7128	0.048679
-0.04789	0.30175	-0.02912	0.5302	0.054759	0.23757	0.007371	0.87377	-0.00869
-0.09084	0.04977	-0.21288	3.46E-06	-0.15113	0.00105	-0.20218	1.07E-05	-0.06038
-0.04414	0.34123	-0.0714	0.12338	-0.00131	0.97756	-0.0346	0.45576	0.010286
-0.06942	0.13415	-0.04991	0.28181	-0.04886	0.29199	-0.08208	0.0764	0.102271
0.08127	0.07935	0.200779	1.23E-05	0.301053	3.07E-11	0.368067	1.98E-16	0.334321
-0.00121	0.9792	-0.05536	0.23243	-0.0181	0.69648	-0.04916	0.28905	0.006985
-0.04906	0.29004	-0.10673	0.02106	-0.12682	0.00606	-0.14481	0.0017	-0.13257
0.031151	0.50188	-0.00706	0.87904	0.015926	0.7314	-0.03694	0.42584	0.053526
0.022386	0.62943	-0.02175	0.63926	-0.06249	0.17762	-0.09055	0.05052	-0.05682
-0.06288	0.17492	0.056072	0.2265	-0.00436	0.92522	0.030083	0.51666	-0.02901
-0.058	0.21092	-0.06104	0.18794	-0.1099	0.01751	-0.03441	0.45823	-0.00022
-0.0907	0.05013	-0.06777	0.14369	-0.13382	0.00377	-0.07053	0.12802	-0.06905
-0.10635	0.02153	-0.07348	0.11281	-0.15637	0.0007	-0.01474	0.75079	0.069531
-0.00711	0.8782	0.007421	0.87293	-0.01186	0.79821	-0.03949	0.39453	-0.01657
-0.03527	0.44708	0.010468	0.82149	-0.02138	0.64497	-0.0701	0.13034	-0.02713

-0.03198	0.49061	-0.04171	0.36844	-0.04462	0.33594	-0.11149	0.01593	-0.05922
-0.10043	0.03001	-0.14725	0.00142	-0.14953	0.00119	-0.09023	0.05134	0.035541
-0.0864	0.0621	-0.10928	0.01817	-0.1419	0.00211	-0.11218	0.0153	-0.05922
-0.05433	0.24125	-0.09803	0.03419	-0.14779	0.00136	-0.11687	0.01149	-0.09859
-0.04695	0.31129	-0.09001	0.05191	-0.13341	0.00387	-0.11335	0.01425	-0.09059
-0.01143	0.80542	-0.01763	0.70395	-0.03026	0.51425	-0.05259	0.25671	0.008895
0.029208	0.52893	-0.07187	0.12089	-0.0463	0.31811	-0.08255	0.07472	-0.07602
-0.02073	0.65492	-0.03588	0.43923	-0.09316	0.0442	-0.04477	0.33437	-0.04134
-0.00503	0.91359	-0.12769	0.00572	-0.15216	0.00097	-0.16339	0.00039	-0.06246
-0.0149	0.74817	-0.02057	0.65756	-0.06147	0.1848	-0.05561	0.23033	-0.04496
-0.01849	0.69022	-0.02662	0.56608	-0.02959	0.52356	-0.03664	0.42951	-0.00845
0.053673	0.24702	-0.00885	0.84868	0.048351	0.2971	-0.00581	0.90041	0.003
-0.02523	0.58649	-0.03391	0.46469	-0.04525	0.32924	-0.0467	0.31396	-0.01668
-0.02468	0.5947	-0.04483	0.33368	-0.04905	0.2902	-0.06006	0.19513	-0.00959
-0.01898	0.68254	-0.03172	0.49405	0.014994	0.74657	-0.02785	0.5482	-0.0007
-0.06735	0.14618	0.061031	0.18798	-0.00848	0.85493	0.077549	0.09416	0.045725
-0.07914	0.08756	-0.04894	0.29124	-0.08659	0.06151	-0.06103	0.188	0.043035
0.036113	0.43623	-0.03714	0.42331	-0.01627	0.72587	-0.10387	0.02479	-0.01404
-0.01761	0.70424	-0.03368	0.46779	-0.04938	0.28691	-0.07135	0.12364	-0.09792
0.01114	0.81025	-0.00775	0.86736	-0.00409	0.92978	0.043889	0.34397	0.180422
-0.01815	0.69559	-0.09414	0.042	-0.08012	0.08372	-0.11033	0.01707	-0.0578
0.011594	0.80267	-0.06926	0.13507	-0.05043	0.27675	-0.04027	0.38524	0.065724
-0.05941	0.19999	0.075875	0.1015	0.030994	0.50403	0.196793	1.84E-05	0.156182
-0.06084	0.18936	-0.07386	0.11095	-0.08724	0.05959	-0.11987	0.00952	-0.01356
0.016177	0.72734	0.001919	0.96701	-0.02487	0.59195	-0.02832	0.54154	-0.01842
-0.04601	0.32118	-0.03546	0.44464	-0.13097	0.00458	-0.03818	0.41042	-0.08347
-0.02283	0.62266	-0.00134	0.97688	-0.03144	0.49792	-0.0646	0.16341	-0.0109
-0.06911	0.13591	-0.04497	0.33223	-0.02757	0.5523	-0.07723	0.09553	-0.0035
-0.02968	0.52235	-0.08989	0.05222	-0.10813	0.01942	-0.0678	0.14349	0.000605
-0.0175	0.70609	-0.06706	0.14791	-0.04413	0.34128	-0.03486	0.45239	-0.08325
-0.03911	0.39913	-0.09799	0.03426	-0.09304	0.04448	-0.13383	0.00376	-0.12391
-0.00326	0.9439	0.090365	0.05099	0.145795	0.00158	0.157546	0.00063	0.034683
-0.13409	0.0037	-0.07603	0.1008	-0.13907	0.0026	0.069798	0.13203	0.102085
-0.03393	0.46455	0.061735	0.18292	-0.03982	0.39053	0.009347	0.84034	-0.06006
-0.03556	0.44333	0.025032	0.58948	-0.01207	0.79468	0.042161	0.36331	0.045238
-0.00189	0.96745	-0.03599	0.43779	-0.00892	0.84753	-0.01944	0.67513	0.025676
-0.00391	0.93279	0.154171	0.00083	0.184461	6.07E-05	0.29008	1.66E-10	0.166748
0.01714	0.7118	0.114978	0.01291	0.162462	0.00042	0.290607	1.53E-10	0.18872
0.047751	0.30314	0.079548	0.08595	-0.0128	0.78272	0.074882	0.10606	-0.05842
-0.04249	0.35963	-0.11075	0.01665	-0.15461	0.0008	-0.11992	0.00949	-0.0922
-0.00831	0.8579	-0.10859	0.01891	-0.0863	0.06241	-0.15307	0.0009	-0.06049
0.001968	0.96617	-0.07597	0.10105	-0.03898	0.40072	-0.11787	0.0108	-0.02968
0.016599	0.72052	-0.02319	0.61713	-0.01187	0.79804	-0.06786	0.14312	-0.03489
-0.0044	0.92446	-0.02867	0.5366	0.015952	0.73098	-0.05509	0.23478	-0.00532
-0.04891	0.29156	-0.03783	0.41473	-0.00533	0.90849	-0.07663	0.09814	0.023281

-0.05558	0.23057	0.046566	0.31531	0.063716	0.16925	-0.00677	0.88391	0.005197
-0.06249	0.17762	-0.06519	0.15955	-0.11326	0.01433	-0.033	0.4768	0.006659
0.035203	0.44789	0.048459	0.29602	0.030447	0.5116	-0.03193	0.49118	-0.09135
-0.03337	0.47191	-0.008	0.86315	-0.0012	0.97932	-0.03552	0.44379	-0.09705
-0.01435	0.75713	-0.09431	0.04163	-0.06573	0.15612	-0.12576	0.0065	-0.11132
-0.03321	0.47396	-0.0611	0.1875	-0.06307	0.17364	-0.12326	0.00766	-0.12541
0.000212	0.99635	-0.0478	0.30262	-0.01773	0.70242	-0.09917	0.03215	-0.03053
-0.0688	0.13766	-0.14043	0.00235	-0.18387	6.42E-05	-0.15807	0.00061	-0.16417
-0.07821	0.09139	-0.14526	0.00165	-0.19309	2.66E-05	-0.17381	0.00016	-0.16408
-0.05918	0.20174	-0.13525	0.00341	-0.14817	0.00132	-0.14518	0.00166	-0.13574
-0.02045	0.65934	-0.07191	0.12071	-0.07308	0.11475	-0.10769	0.01993	-0.04046
-0.06831	0.14051	-0.12386	0.00737	-0.14131	0.00221	-0.14809	0.00133	-0.15922
-0.04334	0.35007	-0.09751	0.03514	-0.11879	0.01019	-0.12522	0.00674	-0.11934
-0.02897	0.5323	-0.1292	0.00517	-0.12334	0.00762	-0.15323	0.00089	-0.12621
-0.01985	0.66881	-0.07757	0.09407	-0.10234	0.027	-0.11599	0.01213	-0.08625
-0.07064	0.12741	-0.08991	0.05216	-0.11005	0.01736	-0.12155	0.00855	-0.1388
-0.03958	0.39341	-0.0336	0.46885	-0.037	0.42508	-0.06494	0.16116	-0.08786
-0.00418	0.92818	-0.08216	0.07611	-0.08556	0.0647	-0.11288	0.01466	-0.04155
0.001509	0.97405	-0.06273	0.17596	-0.04847	0.29592	-0.10867	0.01882	-0.02272
0.020225	0.66288	-0.02681	0.56327	-0.05952	0.19917	-0.06572	0.15621	-0.07301
-0.02044	0.65948	-0.08099	0.08038	-0.03872	0.40386	-0.11656	0.01171	-0.10258
-0.06873	0.13807	-0.01261	0.78587	-0.08394	0.06995	-0.03973	0.39167	-0.09105
-0.09114	0.04903	-0.07927	0.08704	-0.09579	0.03853	-0.02911	0.53036	0.094628
-0.02583	0.57761	-0.01677	0.7177	-0.04921	0.28859	-0.06772	0.14394	-0.02546
-0.00803	0.86265	-0.11422	0.01352	-0.11533	0.01264	-0.15729	0.00065	-0.14519
-0.08386	0.07022	-0.10193	0.02763	-0.04226	0.36219	-0.10631	0.02157	-0.04032
0.070267	0.12945	-0.01295	0.78016	0.222926	1.14E-06	-0.09469	0.04081	0.132953
0.095459	0.0392	-0.03834	0.40848	0.191931	2.97E-05	-0.12997	0.00491	0.082745
0.062247	0.17931	-0.06968	0.13269	0.243753	9.60E-08	-0.10129	0.02862	0.218259
0.036397	0.43263	-0.05139	0.26775	0.031275	0.50018	-0.09953	0.03151	0.018392
0.020096	0.6649	-0.13302	0.00398	-0.01032	0.82397	-0.21822	1.93E-06	-0.04775
0.033974	0.4639	-0.11312	0.01445	0.100124	0.03051	-0.22902	5.66E-07	0.122777
0.03725	0.42191	-0.11721	0.01125	0.001693	0.9709	-0.18585	5.33E-05	0.067294
0.04603	0.32092	-0.17536	0.00014	-0.05792	0.21152	-0.12548	0.00662	0.104542
0.051633	0.26547	-0.04722	0.30859	0.187988	4.35E-05	-0.16856	0.00025	0.13085
0.028096	0.54475	-0.2173	2.14E-06	0.109286	0.01816	-0.16885	0.00025	0.200196
0.011737	0.80029	-0.07605	0.1007	0.019107	0.68045	-0.14725	0.00142	0.112521
0.05355	0.24811	-0.0762	0.10005	0.181094	8.30E-05	-0.17481	0.00015	0.272367
0.042119	0.3638	-0.08678	0.06096	0.148703	0.00127	-0.16857	0.00025	0.140091
-0.10025	0.03031	-0.20037	1.28E-05	-0.14013	0.0024	-0.30465	1.74E-11	-0.08182
0.033553	0.46947	-0.13779	0.00285	0.047669	0.30397	-0.24035	1.46E-07	0.106184
0.014782	0.75003	-0.18664	4.94E-05	0.087091	0.06003	-0.30586	1.43E-11	0.111758
0.048696	0.29365	-0.04845	0.29609	0.191572	3.08E-05	-0.13823	0.00276	0.135882
0.030742	0.50751	-0.13399	0.00372	0.080966	0.08049	-0.2194	1.69E-06	0.018956
0.028647	0.53688	-0.12907	0.00521	0.105018	0.02323	-0.12636	0.00625	0.23844

0.005135	0.91187	-0.20026	1.30E-05	0.096139	0.03782	-0.26966	3.18E-09	0.121319
0.021717	0.63972	-0.15339	0.00088	0.148411	0.0013	-0.23531	2.69E-07	0.068886
0.089892	0.05222	-0.10912	0.01833	0.216677	2.29E-06	-0.20025	1.30E-05	0.116769
0.07284	0.11596	-0.1106	0.0168	0.15052	0.0011	-0.20014	1.31E-05	0.088864
0.019357	0.67651	-0.11946	0.00977	0.036233	0.4347	-0.17116	0.0002	0.128708
-0.02459	0.59601	-0.13215	0.00423	0.119876	0.00952	-0.14499	0.00168	0.151378
0.060782	0.18979	-0.10899	0.01847	-0.0391	0.39917	-0.14956	0.00119	0.087913
0.030091	0.51654	-0.06989	0.13154	0.141336	0.0022	-0.17566	0.00014	0.089668
0.095866	0.03837	0.010521	0.82061	0.212065	3.78E-06	-0.07726	0.09538	0.083633
-0.04573	0.32406	-0.17355	0.00016	0.067823	0.14335	-0.26058	1.10E-08	0.122956
-0.00358	0.93842	-0.22209	1.25E-06	0.081646	0.07797	-0.18227	7.45E-05	0.219049
0.03408	0.46252	-0.08861	0.05567	0.059143	0.20204	-0.13719	0.00297	0.018284
-0.01648	0.72246	-0.1562	0.00071	-0.07516	0.10477	-0.22182	1.29E-06	-0.07826
0.064429	0.16452	-0.0937	0.04297	0.200902	1.22E-05	-0.18135	8.10E-05	0.153409
0.017233	0.71032	-0.15159	0.00102	0.09289	0.04482	-0.22229	1.22E-06	0.146641
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0.016721	0.71854	-0.0921	0.04669	0.10378	0.02491	-0.09851	0.03332	0.05636
-0.01183	0.79881	0.042844	0.35559	0.171746	0.00019	0.08603	0.06323	0.23038
0.110816	0.01659	-0.03575	0.44086	0.295017	7.84E-11	-0.1192	0.00993	0.236306
-0.03959	0.39338	-0.23621	2.42E-07	-0.0024	0.95879	-0.29766	5.22E-11	0.0627
0.035652	0.44212	-0.16032	0.00051	0.101007	0.02907	-0.25887	1.38E-08	0.126994
0.15203	0.00098	-0.02433	0.59993	0.044868	0.3333	-0.12972	0.00499	-0.13166
0.107033	0.0207	-0.01095	0.81336	0.185404	5.56E-05	0.016907	0.71555	0.075056
-0.0575	0.21486	-0.13959	0.0025	0.054057	0.24365	-0.1254	0.00666	0.189696
0.003468	0.94042	-0.19764	1.69E-05	0.065536	0.15737	-0.20324	9.58E-06	0.220155
0.001165	0.97997	-0.14398	0.00181	0.046179	0.31935	-0.22956	5.31E-07	0.101065
0.01583	0.73295	-0.17027	0.00022	0.084415	0.06837	-0.24074	1.39E-07	0.096333
-0.0171	0.71248	-0.20071	1.24E-05	-0.04917	0.28895	-0.20624	7.01E-06	0.106879
0.01505	0.74565	-0.17197	0.00019	0.02785	0.54827	-0.21445	2.92E-06	0.047273
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0.027421	0.55446	-0.1783	0.00011	0.020618	0.65674	-0.30521	1.59E-11	0.016835
-0.12068	0.00904	-0.34413	1.98E-14	-0.09763	0.03493	-0.32494	6.05E-13	0.074402
-0.03476	0.45364	-0.16789	0.00027	0.005505	0.90555	-0.20799	5.83E-06	-0.02902
-0.02421	0.60182	-0.22153	1.33E-06	-0.06385	0.16834	-0.22039	1.52E-06	0.008024
0.131957	0.00428	0.091696	0.04766	0.213795	3.14E-06	-0.01528	0.74183	0.094137
0.062587	0.17695	-0.08938	0.05357	0.162867	0.00041	-0.1126	0.01492	0.099845
-0.00984	0.83204	-0.1296	0.00503	-0.03392	0.46466	-0.23065	4.68E-07	-0.02514
0.09346	0.04352	-0.09843	0.03345	0.053288	0.25044	-0.21259	3.57E-06	0.028353
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-0.07649	0.09873	-0.20177	1.11E-05	-0.04371	0.34591	-0.21395	3.08E-06	-0.04687
0.104249	0.02426	0.12814	0.00555	0.331187	2.04E-13	0.136596	0.0031	0.302835
-0.00791	0.86461	-0.23759	2.04E-07	-0.05373	0.2465	-0.21299	3.42E-06	0.086469
0.055831	0.2285	-0.08319	0.07249	0.088209	0.0568	-0.14302	0.00195	0.046387
-0.01646	0.72282	-0.16169	0.00045	-0.11377	0.0139	-0.19302	2.67E-05	0.068299
-0.0699	0.13147	-0.23737	2.10E-07	-0.02886	0.53392	-0.27115	2.59E-09	0.165703

-0.07272	0.11655	-0.20466	8.26E-06	-0.04473	0.33477	-0.24759	5.93E-08	-0.00804
0.003797	0.93478	-0.12496	0.00686	-0.04122	0.37409	-0.16462	0.00035	0.069767
0.103217	0.02571	0.058902	0.20388	0.18272	7.14E-05	0.091705	0.04763	0.16205
0.056069	0.22653	-0.04529	0.32873	0.062854	0.1751	-0.10401	0.0246	-0.06033
-0.028	0.54615	-0.08843	0.05618	-0.03713	0.42343	-0.15981	0.00053	0.015503
0.008405	0.85625	-0.16216	0.00043	0.045216	0.32956	-0.22888	5.75E-07	0.207633
-0.02671	0.56473	-0.20715	6.37E-06	-0.01438	0.75666	-0.28369	4.29E-10	0.17668
-0.00903	0.84568	-0.25046	4.12E-08	-0.11193	0.01553	-0.31008	7.25E-12	0.066721
0.033776	0.46652	-0.13267	0.00408	0.192909	2.70E-05	-0.19583	2.03E-05	0.232649
0.06793	0.14272	-0.06706	0.14795	0.112047	0.01541	-0.11264	0.01487	0.132643
0.099958	0.03079	-0.08669	0.06122	0.169635	0.00023	0.010569	0.81981	0.305381
0.04116	0.37483	-0.14962	0.00118	0.149629	0.00118	-0.23437	3.01E-07	0.093994
0.040676	0.38047	0.07017	0.12998	0.216723	2.28E-06	-0.06959	0.13322	0.064892
0.041359	0.37252	-0.1546	0.0008	0.12067	0.00905	-0.27046	2.85E-09	0.042144
0.034729	0.45403	-0.18867	4.07E-05	0.028165	0.54376	-0.22548	8.51E-07	0.163044
0.051964	0.26242	-0.104	0.0246	0.211802	3.89E-06	-0.2214	1.35E-06	0.126885
0.017118	0.71215	-0.19857	1.54E-05	-0.00755	0.87082	-0.32084	1.22E-12	0.024922
0.047389	0.30682	-0.12414	0.00723	0.082112	0.07628	-0.13771	0.00286	0.156685
0.022986	0.62028	-0.10431	0.02418	0.08557	0.06466	-0.14284	0.00197	0.165011
0.026072	0.57411	-0.17129	0.0002	0.102317	0.02704	-0.23107	4.45E-07	0.179875
0.040383	0.38392	-0.15073	0.00109	0.167738	0.00027	-0.17332	0.00017	0.209169
0.007575	0.87032	-0.15845	0.00059	0.0117	0.80091	-0.24598	7.27E-08	0.001253
-0.00729	0.87513	-0.09102	0.04933	0.117894	0.01078	-0.09085	0.04974	0.110983
0.056981	0.21905	-0.11047	0.01693	0.163628	0.00038	-0.24329	1.02E-07	0.143741
0.007019	0.87976	-0.03007	0.51691	0.092054	0.04679	-0.06197	0.18127	0.107908
-0.05953	0.19911	-0.17395	0.00016	-0.05679	0.22059	-0.21308	3.39E-06	-0.12644
0.029266	0.52812	-0.0703	0.12928	0.173601	0.00016	-0.12352	0.00753	0.086557
-0.05198	0.26228	-0.21593	2.48E-06	-0.06243	0.17802	-0.22765	6.63E-07	0.211135
0.011534	0.80367	-0.10849	0.01902	0.123941	0.00733	-0.18832	4.22E-05	0.17356
0.061633	0.18365	-0.09495	0.04027	-0.00314	0.94606	-0.17425	0.00015	0.078108
-0.0098	0.83265	-0.22585	8.16E-07	-0.01672	0.71852	-0.31205	5.26E-12	0.070134
0.069766	0.13221	-0.20247	1.04E-05	0.061103	0.18746	-0.28618	2.98E-10	0.017182
-0.01264	0.78529	-0.20391	8.93E-06	0.008181	0.86004	-0.31756	2.11E-12	0.069934
-0.02848	0.53923	-0.08393	0.06997	0.112653	0.01486	-0.08468	0.0675	0.208768
0.058996	0.20316	-0.08757	0.05863	0.164344	0.00036	-0.22254	1.19E-06	0.069256
0.097507	0.03516	-0.13004	0.00488	0.049322	0.28749	-0.12705	0.00597	0.141674
-0.01006	0.82843	-0.17597	0.00013	0.090825	0.04982	-0.20067	1.25E-05	0.225098
0.026994	0.56065	0.071482	0.12293	0.074038	0.11007	-0.09106	0.04923	-0.06583
0.064651	0.16307	-0.17844	0.00011	0.141985	0.0021	-0.29968	3.81E-11	0.048595
-0.07376	0.11141	-0.19013	3.54E-05	-0.08551	0.06485	-0.19028	3.49E-05	0.170836
-0.00596	0.89776	-0.09136	0.04849	0.028962	0.53241	-0.14183	0.00212	-0.00843
-0.06578	0.15583	-0.15542	0.00075	-0.11923	0.00991	-0.18797	4.36E-05	0.114182
0.082213	0.07592	-0.01948	0.67465	0.191182	3.20E-05	-0.12217	0.00822	0.180003
0.066925	0.14874	-0.05953	0.19907	0.155759	0.00073	-0.20099	1.21E-05	0.066833
0.091737	0.04756	-0.07662	0.09815	0.227468	6.77E-07	-0.15548	0.00075	0.188012

-0.09203	0.04686	-0.20549	7.58E-06	-0.02201	0.63522	-0.20076	1.23E-05	0.110411
0.075607	0.10271	-0.09915	0.03217	0.12534	0.00669	-0.23165	4.16E-07	0.066329
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0.106008	0.02195	-0.11854	0.01035	0.142965	0.00195	-0.23962	1.60E-07	0.048804
0.011898	0.79761	-0.15512	0.00077	0.15045	0.00111	-0.25238	3.22E-08	0.108759
0.003336	0.94269	-0.19795	1.64E-05	0.090438	0.0508	-0.28542	3.33E-10	0.076354
0.059409	0.20001	-0.13575	0.00329	0.120637	0.00907	-0.20508	7.91E-06	0.074577
0.056627	0.22193	-0.09299	0.04459	0.211982	3.81E-06	-0.16792	0.00027	0.211867
-0.04284	0.35563	-0.17704	0.00012	0.013485	0.77132	-0.19664	1.87E-05	0.101123
0.045419	0.32739	-0.15839	0.00059	0.10559	0.02248	-0.24423	9.05E-08	0.11958
-0.1445	0.00174	-0.15086	0.00108	-0.20225	1.06E-05	-0.10503	0.02322	-0.01804
-0.21394	3.09E-06	-0.0505	0.2761	-0.21806	1.96E-06	-0.02031	0.66158	0.000897
0.035517	0.44385	0.216178	2.42E-06	0.074152	0.10952	0.132161	0.00422	0.036308
-0.15089	0.00107	0.004943	0.91516	-0.17968	9.45E-05	0.002192	0.96232	-0.02139
-0.11196	0.01549	-0.06116	0.18703	-0.10192	0.02764	0.068822	0.13753	0.034018
-0.16261	0.00042	0.003573	0.93861	-0.11883	0.01016	0.006373	0.89076	-0.05576
-0.03054	0.51031	0.070257	0.1295	0.109999	0.01741	0.147524	0.00139	0.289278
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-0.16955	0.00023	-0.08736	0.05925	-0.08103	0.08025	0.024334	0.59991	0.28642
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-0.1276	0.00576	-0.02022	0.66301	-0.07215	0.11948	0.082212	0.07592	0.160849
-0.15115	0.00105	-0.04974	0.28344	-0.19777	1.67E-05	0.052492	0.25759	0.061783
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-0.11393	0.01376	0.019971	0.66686	0.06721	0.14701	0.085999	0.06332	0.200125
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-0.15903	0.00056	-0.06159	0.18396	-0.05322	0.25106	-0.02443	0.59846	0.132825
-0.15113	0.00105	-0.1608	0.00049	-0.12182	0.00841	-0.08435	0.06859	0.155112
-0.04943	0.28645	-0.05668	0.22152	0.005754	0.90131	0.020199	0.66329	0.25743
-0.15836	0.00059	-0.15837	0.00059	-0.10627	0.02163	-0.13369	0.0038	0.13958
-0.2336	3.30E-07	-0.02224	0.63161	-0.18979	3.66E-05	0.097173	0.03579	0.070018
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-0.19483	2.24E-05	-0.05508	0.23485	-0.13334	0.00389	0.041843	0.36695	0.147462
-0.05162	0.26557	0.124189	0.00721	0.093037	0.04448	0.183982	6.35E-05	0.123269
-0.12724	0.00589	-0.00618	0.89399	-0.21589	2.50E-06	0.003566	0.93874	0.048081
-0.05934	0.20052	0.01761	0.70426	0.076613	0.0982	0.083068	0.07291	0.144248
-0.21328	3.31E-06	0.011374	0.80635	-0.18764	4.50E-05	0.036632	0.42966	-0.02027
-0.24638	6.91E-08	-0.16994	0.00022	-0.12775	0.0057	-0.05613	0.22601	0.175724
0.000282	0.99515	-0.10477	0.02356	-0.11084	0.01656	0.010427	0.8222	0.047758
-0.15764	0.00063	-0.00177	0.96962	-0.0448	0.33407	0.099865	0.03095	0.181971
-0.06294	0.17451	0.173438	0.00017	-0.00223	0.96173	0.209464	4.99E-06	0.088256
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-0.18614	5.19E-05	-0.04494	0.33256	-0.16378	0.00038	-0.02229	0.63088	0.023377
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-0.21639	2.36E-06	-0.13376	0.00378	-0.10391	0.02474	-0.10514	0.02307	0.166961
-0.10171	0.02797	0.026545	0.56719	-0.07184	0.12109	0.021362	0.6452	0.085022
-0.14947	0.0012	-0.06252	0.17741	-0.23008	5.00E-07	-0.05274	0.25536	0.047285
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-0.10903	0.01843	0.097504	0.03516	0.027262	0.55675	0.170189	0.00022	0.138497
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-0.19693	1.82E-05	-0.1886	4.10E-05	-0.17633	0.00013	-0.19932	1.43E-05	0.00152
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-0.21671	2.28E-06	-0.18581	5.35E-05	-0.1303	0.0048	-0.15504	0.00077	0.006829
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-0.08232	0.07555	0.133019	0.00398	-0.1338	0.00377	0.137343	0.00294	-0.02167
-0.22233	1.22E-06	0.042358	0.36108	-0.11908	0.01001	0.078006	0.09223	0.146386
-0.10986	0.01755	0.088337	0.05644	-0.12749	0.0058	0.125976	0.00641	0.075208
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0.001308	0.9775	0.11741	0.01111	0.125657	0.00655	0.279326	8.11E-10	0.156085
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-0.10403	0.02457	-0.10458	0.02382	-0.11385	0.01382	-0.04084	0.37853	0.169878
-0.06945	0.13396	-0.03714	0.42334	0.038776	0.40314	0.010402	0.82261	0.286302
-0.14907	0.00123	-0.11032	0.01708	-0.00532	0.90875	-0.12302	0.00778	0.218341
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-0.18982	3.65E-05	-0.03701	0.42487	-0.07932	0.08687	-0.04883	0.29235	0.077693
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-0.15249	0.00095	-0.05177	0.26422	-0.21371	3.16E-06	-0.06413	0.16652	-0.08481
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-0.19727	1.76E-05	-0.16985	0.00023	-0.218	1.98E-06	-0.18287	7.05E-05	-0.04739
-0.10562	0.02245	-0.0484	0.29656	-0.13766	0.00287	-0.04051	0.38237	-0.00237
-0.20154	1.14E-05	-0.02268	0.62486	-0.17449	0.00015	0.078181	0.09149	-0.03374
-0.14582	0.00158	-0.05202	0.26194	-0.05341	0.24934	0.06088	0.18907	0.143758
-0.22742	6.82E-07	-0.14016	0.0024	-0.25273	3.08E-08	-0.04562	0.3252	0.023774
-0.01532	0.74124	0.04204	0.36469	-0.04419	0.34065	0.072487	0.11774	0.131657
-0.06872	0.13814	-0.04014	0.38684	-0.03547	0.44439	-0.08951	0.05322	-0.14717
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0.017107	0.71234	-0.09725	0.03565	-0.18793	4.37E-05	-0.08688	0.06065	-0.12203
-0.15562	0.00074	-0.10358	0.0252	-0.32135	1.12E-12	-0.09543	0.03925	-0.05492
-0.15158	0.00102	-0.1302	0.00483	-0.13916	0.00258	-0.05891	0.20382	0.129012
-0.17982	9.33E-05	-0.00564	0.90329	-0.08669	0.06122	0.020962	0.6514	0.105768
-0.00467	0.91989	0.035499	0.44408	0.099901	0.03089	0.048971	0.29094	0.076837
-0.14669	0.00148	-0.0899	0.05221	-0.13798	0.00281	-0.03803	0.41223	-0.03337
-0.06157	0.1841	-0.02917	0.52952	0.090353	0.05102	0.046746	0.31344	0.23898
-0.12509	0.0068	0.072824	0.11604	-0.08001	0.08413	0.090687	0.05016	0.078145
-0.14778	0.00136	-0.05408	0.24343	0.002941	0.94946	0.083959	0.06988	0.248982
-0.06105	0.18786	0.077953	0.09245	0.021128	0.64882	0.042614	0.35818	0.056957
-0.11161	0.01582	-0.04714	0.30933	-0.05843	0.20751	0.002577	0.95571	0.130037
-0.15865	0.00058	0.042131	0.36365	-0.03264	0.48163	0.162113	0.00044	0.174642
-0.18722	4.68E-05	-0.08258	0.07461	-0.17531	0.00014	0.027249	0.55694	0.092828
-0.01503	0.74598	0.111574	0.01586	-0.01019	0.82615	0.079906	0.08454	-0.07007
-0.19995	1.34E-05	-0.06465	0.16308	-0.14651	0.0015	0.046462	0.31639	0.052201
-0.20454	8.37E-06	-0.08505	0.0663	-0.16527	0.00034	0.0342	0.46093	0.143587
-0.18751	4.55E-05	-0.01757	0.70494	-0.11214	0.01533	0.103779	0.02491	0.13986
-0.06457	0.1636	0.187237	4.67E-05	-0.08512	0.06609	0.252185	3.30E-08	-0.07189
-0.13462	0.00356	-0.02554	0.58188	-0.23207	3.96E-07	0.003809	0.93457	0.003842
-0.05625	0.22503	0.224257	9.79E-07	0.043009	0.35374	0.311704	5.57E-12	0.075463

-0.08364	0.07095	0.178825	0.0001	-0.09244	0.04587	0.135907	0.00325	-0.14052
-0.20626	7.00E-06	-0.03267	0.48127	-0.03712	0.42358	0.032636	0.48171	0.147325
-0.10473	0.02361	0.020432	0.65964	-0.06265	0.17653	0.105632	0.02243	0.151508
-0.15984	0.00053	0.082071	0.07643	-0.08701	0.06026	0.120341	0.00924	-0.05588
-0.17962	9.50E-05	-0.01846	0.69079	-0.14409	0.0018	0.042954	0.35435	0.015406
-0.12639	0.00624	-0.00619	0.89395	-0.06955	0.13344	0.104075	0.0245	0.081457
-0.17091	0.00021	-0.04801	0.30054	-0.16524	0.00034	0.055991	0.22717	0.12889
-0.15749	0.00064	0.005336	0.90844	-0.06822	0.14103	0.081788	0.07745	0.137506
-0.05667	0.22161	0.03587	0.43932	-0.09471	0.04077	-0.00238	0.95905	-0.05643
-0.13897	0.00261	-0.14191	0.00211	-0.1125	0.01501	-0.1499	0.00116	0.095947
-0.18779	4.43E-05	-0.1042	0.02432	-0.20149	1.15E-05	-0.10131	0.02859	-0.02728
-0.1502	0.00113	-0.03881	0.4027	-0.06549	0.15767	0.060127	0.19461	0.070528
-0.07379	0.11129	-0.01726	0.70983	-0.19931	1.43E-05	-0.00025	0.99573	-0.00038
-0.12367	0.00746	-0.07162	0.1222	-0.11034	0.01706	-0.1002	0.03039	-0.07172
-0.02449	0.59763	0.205321	7.72E-06	0.057188	0.21737	0.338522	5.52E-14	0.128382
-0.13819	0.00277	-0.13093	0.0046	-0.00596	0.89781	0.044187	0.34069	0.256798
-0.18422	6.21E-05	-0.12003	0.00942	-0.18756	4.53E-05	0.009338	0.84049	0.104842
-0.12417	0.00722	-0.04331	0.35041	-0.07393	0.1106	0.026576	0.56674	0.149847
-0.11426	0.01349	-0.06195	0.18141	-0.20778	5.96E-06	-0.00117	0.97991	0.039736
-0.06321	0.17267	-0.1131	0.01447	-0.15661	0.00068	0.00504	0.91351	0.115034
-0.08537	0.0653	-0.10146	0.02836	-0.1426	0.00201	-0.08288	0.07357	0.021536
0.052091	0.26125	-0.13532	0.00339	0.029602	0.52338	-0.26116	1.02E-08	-0.0009
-0.06225	0.17932	-0.18022	9.00E-05	0.013691	0.76793	-0.25579	2.07E-08	0.068226
-0.00183	0.96848	-0.14499	0.00168	0.031949	0.49099	-0.20861	5.46E-06	0.122286
-0.00357	0.93862	-0.1107	0.01671	0.083973	0.06983	-0.22585	8.16E-07	0.108944
0.02699	0.5607	-0.09051	0.05062	0.144053	0.0018	-0.18608	5.21E-05	0.212743
-0.02661	0.56623	-0.10186	0.02773	0.067194	0.14711	-0.20809	5.77E-06	0.178295
0.017761	0.70185	0.019573	0.67312	0.032416	0.48467	-0.1073	0.02038	0.013345
-0.03403	0.46312	-0.03648	0.43162	0.097426	0.03531	-0.1085	0.01901	0.183592
0.000222	0.99619	-0.07646	0.09889	0.036276	0.43417	-0.15042	0.00111	0.109336
-0.00823	0.85917	-0.08483	0.06701	0.069352	0.13453	-0.21227	3.70E-06	0.027958
-0.00956	0.83672	0.032774	0.47985	0.089912	0.05217	-0.09873	0.03293	0.023734
0.005508	0.9055	-0.10098	0.02912	0.083806	0.07039	-0.19981	1.36E-05	0.133134
0.000867	0.98509	-0.0512	0.26952	0.077384	0.09486	-0.14825	0.00131	0.077196
0.038256	0.40948	-0.0599	0.19629	0.162897	0.00041	-0.14723	0.00142	0.135996
0.065126	0.15999	-0.01772	0.70257	0.200769	1.23E-05	-0.14756	0.00138	0.116499
0.047867	0.30196	7.44E-05	0.99872	0.076266	0.09974	-0.07951	0.08612	0.168343
0.052152	0.26069	-0.06518	0.15962	0.162596	0.00042	-0.14492	0.00169	0.109881
-0.01195	0.79673	-0.06854	0.13914	-0.05424	0.24205	-0.11909	0.01	0.008489
-0.0077	0.86817	-0.17313	0.00017	0.017518	0.70574	-0.23365	3.28E-07	0.127434
0.012636	0.78535	-0.06395	0.1677	0.06388	0.16815	-0.08425	0.06892	0.04036
0.013612	0.76923	-0.14722	0.00142	0.092558	0.04559	-0.27012	2.99E-09	0.050675
0.061607	0.18384	-0.01136	0.8066	0.111652	0.01578	-0.10468	0.02368	0.114279
-0.05918	0.20171	-0.14112	0.00224	-0.07399	0.11032	-0.25375	2.70E-08	-0.10797
-0.05631	0.22456	-0.13607	0.00322	-0.03444	0.45773	-0.17015	0.00022	0.140352

0.012527	0.78717	-0.06678	0.14964	-0.03436	0.45883	-0.13687	0.00304	0.042452
-0.01883	0.68488	-0.10543	0.02269	0.103105	0.02587	-0.17993	9.24E-05	0.151202
0.03671	0.42868	-0.11034	0.01706	0.040607	0.38128	-0.21656	2.32E-06	-0.06201
0.032675	0.48117	-0.15106	0.00106	-0.03106	0.50313	-0.25352	2.78E-08	-0.03374
0.040488	0.38268	-0.10433	0.02416	-0.03215	0.48822	-0.1683	0.00026	-0.04521
0.012312	0.79074	0.002375	0.95918	-0.06813	0.14152	-0.09718	0.03579	-0.11799
0.032822	0.4792	-0.09026	0.05127	0.088427	0.05619	-0.23	5.04E-07	0.123941
0.007305	0.8749	-0.11761	0.01097	-0.01911	0.68048	-0.18395	6.37E-05	0.030654
0.058818	0.20453	-0.12445	0.00709	0.09253	0.04566	-0.21602	2.46E-06	0.160706
0.055006	0.23546	-0.07697	0.09664	0.061801	0.18246	-0.21257	3.58E-06	-0.00374
-0.01953	0.67372	-0.11262	0.01489	-0.02926	0.52824	-0.1745	0.00015	0.103609
-0.011	0.81252	-0.20264	1.02E-05	-0.0906	0.05039	-0.25169	3.52E-08	0.094624
0.001878	0.96772	-0.03941	0.39549	0.071776	0.1214	-0.12575	0.00651	0.056559
-0.00629	0.89218	-0.20408	8.77E-06	0.026106	0.57362	-0.32082	1.22E-12	0.076209
0.02588	0.57693	-0.10059	0.02975	0.054107	0.24322	-0.27216	2.25E-09	-0.0498
0.01123	0.80875	-0.12491	0.00688	0.023752	0.60867	-0.24169	1.24E-07	0.005048
-0.04652	0.31582	-0.17345	0.00017	0.017162	0.71146	-0.21547	2.61E-06	0.084349
0.036482	0.43156	-0.13804	0.0028	0.000455	0.99218	-0.20001	1.33E-05	-0.02044
-0.08457	0.06786	-0.1352	0.00342	-0.02181	0.63832	-0.1871	4.73E-05	0.083789
0.030714	0.5079	-0.08787	0.05778	0.011272	0.80804	-0.11069	0.01671	0.147064
-0.01785	0.70049	-0.137	0.00301	0.073817	0.11114	-0.23732	2.11E-07	0.150525
0.016279	0.72568	0.051642	0.26539	-0.02406	0.60396	-0.03462	0.45546	-0.06258
-0.05711	0.21802	-0.19444	2.33E-05	-0.06591	0.15504	-0.19889	1.49E-05	-0.03542
0.055674	0.22982	-0.01063	0.81885	0.082898	0.0735	-0.09009	0.05171	-0.03772
-0.05685	0.22013	-0.13772	0.00286	-0.09931	0.03189	-0.12039	0.00921	-0.03619
0.053282	0.25049	0.010752	0.81675	0.099471	0.03162	-0.04486	0.33339	0.024612
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0.005915	0.89856	-0.09555	0.03902	-0.02343	0.61347	-0.22512	8.88E-07	-0.1148
0.021377	0.64496	0.110161	0.01724	0.173048	0.00017	0.021577	0.64188	-0.0361
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0.057599	0.21408	0.129943	0.00492	0.225078	8.92E-07	0.018535	0.68952	-0.07663
0.010896	0.81434	0.031535	0.49661	0.240866	1.37E-07	-0.07765	0.09372	0.046034
0.003418	0.94127	0.060202	0.19406	0.117349	0.01115	-0.03203	0.48982	-0.14438
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-0.0181	0.69647	-0.00522	0.91048	0.0609	0.18893	-0.10462	0.02376	-0.19015
-0.01688	0.71595	0.021184	0.64796	0.14359	0.00187	-0.13455	0.00358	-0.04189
0.022293	0.63085	0.081523	0.07842	0.194852	2.23E-05	0.016562	0.72111	-0.07643
0.06702	0.14816	0.058539	0.20668	0.141403	0.00219	-0.05064	0.27482	-0.06971
0.023273	0.61591	0.120668	0.00905	0.228989	5.68E-07	0.097999	0.03424	0.119183
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0.053529	0.24829	0.170887	0.00021	0.306437	1.31E-11	0.118699	0.01025	0.264115
-0.06175	0.18279	-0.03154	0.4966	0.06246	0.17783	-0.09231	0.04617	0.020499
-0.0131	0.77765	-0.07709	0.09615	0.035278	0.44692	-0.16203	0.00044	-0.20461
0.026276	0.57112	0.024272	0.60083	0.210459	4.49E-06	-0.03866	0.40456	0.02937
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0.031358	0.49905	0.118901	0.01012	0.146869	0.00146	0.094026	0.04226	-0.01667
0.025354	0.58471	0.094969	0.04022	0.203586	9.24E-06	-0.01181	0.79902	0.023601
0.012406	0.78917	-0.02743	0.55439	0.227	7.15E-07	-0.1583	0.0006	0.052509
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0.073785	0.1113	0.142695	0.00199	0.301269	2.97E-11	0.139074	0.0026	0.089659
0.12901	0.00524	0.11829	0.01052	0.309339	8.18E-12	0.034122	0.46196	0.037208
0.094167	0.04195	0.197773	1.67E-05	0.337548	6.58E-14	0.06378	0.16882	0.11829
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0.076259	0.09978	0.011768	0.79977	0.142109	0.00208	-0.03053	0.51046	-0.03177
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0.059651	0.19818	0.073416	0.1131	0.271245	2.55E-09	-0.02393	0.60599	0.142391
0.009395	0.83953	0.047817	0.30247	0.243047	1.05E-07	0.044086	0.3418	0.158192
0.049456	0.28618	0.005208	0.91063	0.161385	0.00046	-0.15723	0.00065	-0.08538
0.023653	0.61015	-0.04019	0.38617	0.204543	8.37E-06	-0.19497	2.21E-05	0.019803
0.021584	0.64177	0.019588	0.67287	0.04356	0.3476	-0.1179	0.01078	-0.10582
0.03608	0.43665	-0.04536	0.32803	0.175377	0.00014	-0.06423	0.16582	0.06945
-0.04711	0.30964	-0.01973	0.67057	-0.15526	0.00076	0.054361	0.24101	0.145141
0.037175	0.42285	0.089956	0.05205	0.206975	6.49E-06	-0.00337	0.94206	0.002611
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0.156849	0.00067	0.172917	0.00017	0.23167	4.15E-07	0.052278	0.25954	0.007808
-0.11433	0.01343	-0.01393	0.76408	-0.01247	0.78815	-0.16904	0.00024	-0.08668
-0.04043	0.38333	-0.02297	0.6205	0.114227	0.01351	-0.14446	0.00175	-0.02482
0.027372	0.55516	0.065964	0.15467	0.280822	6.53E-10	-0.04088	0.3781	0.005865
0.057231	0.21702	0.065887	0.15516	0.298925	4.29E-11	0.007512	0.87138	0.014532
0.102753	0.02639	0.103637	0.02511	0.246365	6.93E-08	0.106808	0.02097	0.10726
0.028773	0.53509	-0.06309	0.1735	0.141255	0.00222	-0.19594	2.00E-05	0.000704
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0.208022	5.81E-06	0.318292	1.87E-12	0.448943	1.53E-24	0.192879	2.71E-05	0.011821
-0.01212	0.79394	-0.02389	0.60656	0.141209	0.00222	-0.10124	0.0287	-0.01172
-0.02186	0.63745	-0.09262	0.04545	0.085919	0.06357	-0.14592	0.00157	0.047264
0.045637	0.32507	-0.05847	0.20721	0.189542	3.75E-05	-0.20282	1.00E-05	0.075003
0.081111	0.07994	0.031531	0.49668	0.252897	3.01E-08	-0.03978	0.39103	0.088551
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0.021819	0.63814	0.056677	0.22152	0.152042	0.00098	-0.02962	0.52317	-0.01676
0.042115	0.36384	0.128826	0.0053	0.252339	3.24E-08	-0.01379	0.76635	0.020917
0.098994	0.03245	0.051155	0.26993	0.24302	1.05E-07	-0.09224	0.04635	0.045813
-0.00621	0.89355	0.037138	0.42331	0.11449	0.0133	-0.07051	0.12814	-0.11804
-0.01539	0.74009	-0.0393	0.39681	0.038409	0.40761	-0.1285	0.00542	0.042681
0.030983	0.50419	-0.07692	0.09687	0.149507	0.00119	-0.1599	0.00052	0.108669
0.017339	0.70861	0.070161	0.13003	0.147549	0.00139	-0.02244	0.6286	-0.09188
-0.09578	0.03855	-0.06841	0.13992	0.093964	0.04239	-0.05983	0.1968	0.203056
-0.02701	0.56043	-0.05465	0.23853	0.090565	0.05048	-0.13628	0.00317	-0.01679
0.045317	0.32848	0.003582	0.93846	0.187151	4.71E-05	-0.08692	0.06053	0.093405

-0.12823	0.00552	-0.00951	0.83751	0.082896	0.07351	-0.11406	0.01365	-0.00743
0.050081	0.28013	0.233645	3.28E-07	0.258635	1.42E-08	0.135226	0.00341	-0.07377
0.099457	0.03165	0.098834	0.03273	0.183115	6.88E-05	0.037173	0.42288	0.075456
-0.00742	0.87302	0.030457	0.51146	0.155504	0.00075	-0.08602	0.06326	0.058364
-0.00443	0.92385	-0.03627	0.4343	0.203892	8.95E-06	-0.09219	0.04646	0.14342
0.07651	0.09866	0.141102	0.00224	0.227678	6.61E-07	0.079812	0.08491	0.039107
0.023408	0.61386	-0.07374	0.11151	0.109829	0.01758	-0.13074	0.00466	0.059576
-0.00332	0.94287	-0.00598	0.89749	0.022452	0.62842	-0.13844	0.00272	-0.21579
0.032814	0.47931	-0.04671	0.31382	0.013351	0.77353	-0.115	0.01289	0.025923
-0.04927	0.28801	-0.04019	0.38625	-0.12798	0.00561	0.085384	0.06524	0.145358
-0.0568	0.22055	-0.04989	0.28193	0.067497	0.14529	-0.13833	0.00274	-0.06505
-0.041	0.37672	0.067056	0.14794	0.136902	0.00303	-0.02098	0.65105	-0.03373
-0.13229	0.00419	-0.09283	0.04495	-0.25038	4.16E-08	-0.01093	0.8138	0.083916
0.050536	0.27577	0.115113	0.0128	0.249018	4.95E-08	0.052993	0.25307	0.185113
-0.01446	0.75524	0.003142	0.94602	0.137914	0.00282	0.030432	0.5118	0.067613
0.014179	0.75991	-0.04179	0.3676	-5.06E-05	0.99913	-0.10701	0.02072	-0.14334
-0.01968	0.67143	-0.05993	0.19605	0.045969	0.32156	-0.0923	0.0462	-0.13953
0.042193	0.36295	0.036715	0.42862	0.214615	2.87E-06	-0.06361	0.16999	0.015786
0.092524	0.04567	0.170018	0.00022	0.401672	1.56E-19	0.088474	0.05606	0.149676
-0.00642	0.89	-0.04822	0.29843	0.131711	0.00436	-0.15816	0.0006	0.034205
0.022502	0.62765	-0.04615	0.31969	0.178604	0.0001	-0.16549	0.00033	0.051066
0.258484	1.45E-08	0.26765	4.20E-09	0.509166	3.61E-32	0.240065	1.51E-07	0.138118
-0.00047	0.99197	-0.09403	0.04225	0.169561	0.00023	-0.14185	0.00212	0.137217
0.01408	0.76152	-0.05061	0.27507	0.186966	4.79E-05	-0.14703	0.00144	0.166868
-0.10906	0.01839	-0.15216	0.00097	-0.07239	0.11826	-0.1991	1.46E-05	-0.11662
0.062698	0.17618	0.011511	0.80405	0.145151	0.00166	-0.11472	0.01312	-0.19968
0.054357	0.24105	0.147216	0.00142	0.241783	1.23E-07	-0.00081	0.986	-0.10384
0.025609	0.58093	-0.06551	0.15753	0.122268	0.00817	-0.23198	4.00E-07	-0.0664
-0.0376	0.4176	0.005124	0.91206	0.046796	0.31293	-0.02047	0.65912	0.072142
0.095663	0.03878	0.091509	0.04811	0.125227	0.00674	-0.07964	0.08561	-0.00152
0.040159	0.38657	-0.06424	0.16578	0.103415	0.02543	-0.1614	0.00046	-0.13196
-0.10231	0.02706	-0.12732	0.00587	-0.03513	0.44886	-0.24968	4.55E-08	-0.07553
-0.03092	0.50503	-0.08081	0.08108	0.058778	0.20484	-0.09958	0.03144	-0.05233
-0.08728	0.05947	-0.00451	0.92253	0.0559	0.22793	-0.03124	0.50066	0.022729
0.017249	0.71005	0.125065	0.00681	0.243147	1.04E-07	0.056142	0.22592	0.196226
-0.01991	0.66783	0.051511	0.2666	0.040933	0.37747	-0.12735	0.00585	-0.08032
-0.11373	0.01393	-0.05605	0.22665	0.024793	0.59305	-0.12529	0.00671	0.071568
0.037059	0.42431	0.048192	0.29869	0.010624	0.81888	-0.09223	0.04637	-0.13137
0.020001	0.66639	-0.03602	0.43745	-0.14903	0.00124	0.026317	0.57052	0.083361
-0.1165	0.01175	-0.06078	0.1898	0.015353	0.74071	-0.14753	0.00139	-0.08289
0.014034	0.76229	-0.07526	0.1043	-0.09973	0.03118	0.056052	0.22666	0.05402
-0.071	0.12551	-0.02895	0.53254	0.046834	0.31253	-0.14665	0.00148	-0.02246
0.041802	0.36742	-0.02728	0.55647	0.088008	0.05737	-0.08906	0.05444	0.031198
-0.0577	0.21326	-0.00519	0.91085	0.040716	0.38	-0.06408	0.16683	-0.03818
0.038248	0.40958	0.023993	0.60502	0.191541	3.09E-05	-0.04449	0.33737	0.137476

-0.14868	0.00127	-0.10472	0.02363	-0.27336	1.90E-09	-0.07464	0.10718	-0.08215
0.021885	0.63713	0.061333	0.1858	0.138168	0.00277	-0.00797	0.86357	-0.04961
0.021496	0.64312	0.013482	0.77137	-0.15429	0.00082	0.036658	0.42934	0.036013
-0.06702	0.14816	-0.08605	0.06316	0.008736	0.85066	-0.11256	0.01494	0.00425
0.088267	0.05664	-0.01065	0.81849	0.235758	2.55E-07	-0.1272	0.00591	0.062691
-0.00815	0.86056	-0.06409	0.16675	0.156992	0.00066	-0.18099	8.38E-05	0.079873
0.025444	0.58337	-0.01425	0.75867	0.173643	0.00016	-0.11783	0.01082	0.056123
-0.05425	0.24201	-0.08993	0.05212	-0.04918	0.28884	-0.16655	0.0003	-0.10114
-0.04183	0.36712	0.002486	0.95728	-0.11046	0.01694	0.132883	0.00402	0.14187
0.016021	0.72986	-0.02217	0.63274	0.242588	1.11E-07	-0.16693	0.00029	0.088924
-0.03718	0.4228	-0.06193	0.18158	0.062175	0.17982	-0.1771	0.00012	-0.09596
-0.05165	0.26533	-0.08584	0.06381	-0.06531	0.1588	-0.12115	0.00877	-0.05821
-0.06857	0.13897	-0.19889	1.49E-05	-0.13676	0.00306	-0.28675	2.74E-10	-0.1894
0.005383	0.90765	-0.0985	0.03333	0.055557	0.2308	-0.14604	0.00155	-0.06507
0.017312	0.70904	-0.08028	0.0831	0.153738	0.00086	-0.23087	4.56E-07	0.039055
-0.00497	0.91462	0.098134	0.034	0.183219	6.82E-05	0.063599	0.17003	0.194527
0.025841	0.57751	0.015383	0.74022	0.156751	0.00068	-0.082	0.07669	0.061566
-0.06729	0.14652	0.017004	0.71399	0.130934	0.0046	-0.07927	0.08705	0.005409
-0.08908	0.0544	-0.19719	1.77E-05	-0.04875	0.29316	-0.26121	1.01E-08	0.02973
-0.0219	0.63685	0.058799	0.20467	0.06406	0.16695	-0.0469	0.31189	-0.12875
0.016836	0.71669	0.025553	0.58175	0.265982	5.28E-09	-0.0805	0.08225	0.083342
0.048868	0.29195	0.177372	0.00012	0.145485	0.00162	0.081105	0.07997	-0.04506
-0.06759	0.14474	-0.21593	2.48E-06	-0.08185	0.07723	-0.26995	3.06E-09	-0.10643
-0.05296	0.25341	0.111331	0.01609	0.110198	0.01721	0.049122	0.28945	0.045063
0.050373	0.27733	0.064356	0.165	0.255872	2.04E-08	-0.07159	0.12239	0.079408
0.104641	0.02373	0.159014	0.00056	0.2347	2.90E-07	-0.00366	0.9371	-0.00101
0.00587	0.89933	-0.03466	0.45489	0.150704	0.00109	-0.1379	0.00282	0.06333
-0.05199	0.26217	-0.11652	0.01174	-0.00975	0.83348	-0.19418	2.39E-05	-0.14145
-0.11735	0.01115	-0.18633	5.09E-05	-0.04224	0.36245	-0.28549	3.29E-10	-0.16241
0.033133	0.47506	0.001327	0.97719	0.256917	1.78E-08	-0.13895	0.00262	0.10786
-0.05452	0.23961	-0.05646	0.22326	0.037262	0.42176	-0.03811	0.41123	-0.00592
-0.0554	0.23215	-0.16263	0.00042	-0.02116	0.64835	-0.15135	0.00104	-0.04997
-0.02532	0.58527	-0.06626	0.15284	0.094988	0.04019	-0.031	0.5039	0.257421
-0.07332	0.11358	-0.13654	0.00311	-0.05241	0.25835	-0.17633	0.00013	-0.08966
-0.00765	0.86905	-0.04976	0.2832	0.170364	0.00022	-0.13722	0.00296	0.048625
0.0003	0.99484	-0.04573	0.32411	0.190354	3.47E-05	-0.14014	0.0024	0.120439
0.087459	0.05895	0.062985	0.1742	0.268303	3.84E-09	0.088987	0.05464	0.223741
-0.01102	0.81233	-0.06329	0.1721	0.105705	0.02234	-0.13694	0.00302	-0.06213
-0.04359	0.34731	0.039533	0.39402	0.246575	6.75E-08	0.016351	0.72453	0.280437
0.016615	0.72025	0.025724	0.57924	0.125746	0.00651	-0.09753	0.03512	-0.07609
-0.03422	0.46063	-0.01268	0.7847	0.113385	0.01422	-0.13207	0.00425	0.135455
0.139514	0.00251	0.100999	0.02908	0.315646	2.91E-12	-0.0349	0.45175	0.056449
0.139299	0.00255	0.166077	0.00031	0.314416	3.56E-12	0.096977	0.03617	0.086602
0.058122	0.20995	0.110063	0.01734	0.30228	2.53E-11	-0.03024	0.51449	0.0415
0.10343	0.02541	0.131603	0.00439	0.380869	1.43E-17	0.063898	0.16803	0.105123

0.023229	0.61658	0.040288	0.38504	0.064597	0.16342	-0.10734	0.02034	-0.16117
0.056788	0.22062	-0.0259	0.57665	0.250064	4.33E-08	-0.14562	0.0016	0.050066
-0.01079	0.81605	0.02934	0.52708	0.167934	0.00027	-0.03205	0.4896	-0.01073
0.034105	0.46218	0.061066	0.18772	0.204016	8.84E-06	0.065432	0.15803	0.182193
0.092195	0.04645	0.074417	0.10826	0.303205	2.19E-11	-0.06823	0.14096	-0.01134
-0.0006	0.98971	-0.05742	0.21553	0.087311	0.05938	-0.12165	0.0085	-0.02159
-0.06244	0.17797	-0.04566	0.3248	0.008418	0.85602	-0.20454	8.37E-06	-0.05864
-0.05718	0.21746	0.014402	0.75624	0.041021	0.37645	-0.07103	0.12533	-0.01746
-0.04108	0.37572	0.022948	0.62085	0.01269	0.78446	-0.08192	0.07698	-0.01686
0.077892	0.0927	0.078758	0.08912	0.306442	1.31E-11	-0.0477	0.30361	0.092898
-0.03191	0.49145	-0.03262	0.4819	0.166765	0.0003	-0.07449	0.10789	0.175209
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-0.02615	0.57298	0.084483	0.06814	0.100106	0.03054	-0.0737	0.11171	-0.09518
-0.01104	0.81192	0.161115	0.00047	0.268929	3.52E-09	0.118541	0.01035	0.291011
0.008755	0.85033	-0.05272	0.25551	0.052074	0.2614	-0.0308	0.50666	0.045775
-0.08511	0.06613	-0.18368	6.53E-05	-0.0316	0.49569	-0.23451	2.96E-07	-0.01119
0.053103	0.25209	-0.04249	0.35959	0.214826	2.80E-06	-0.14821	0.00132	0.145375
-0.03666	0.42925	-0.11887	0.01014	0.034854	0.45241	-0.16398	0.00037	-0.08907
0.0535	0.24855	0.003914	0.93277	0.142315	0.00205	-0.08042	0.08254	-0.0673
-0.03158	0.496	-0.02476	0.5936	0.134896	0.00349	-0.0215	0.6431	0.087353
0.019027	0.68173	-0.05209	0.26122	0.160703	0.00049	-0.14469	0.00172	0.052136
0.011537	0.80362	-0.01844	0.69104	0.155523	0.00075	-0.14392	0.00182	-0.0043
0.037775	0.4154	0.099546	0.03149	0.188033	4.33E-05	0.003296	0.94337	-0.06551
-0.12461	0.00701	-0.05267	0.25602	-0.21023	4.60E-06	0.000538	0.99074	0.004933
0.011996	0.79599	0.066284	0.15268	0.119629	0.00967	-0.0566	0.22213	0.03945
0.002076	0.96432	0.163451	0.00039	0.206489	6.83E-06	0.092826	0.04497	0.164962
-0.0158	0.73347	-0.02995	0.51854	0.14751	0.00139	0.010815	0.81568	0.173961
-0.07336	0.11337	-0.11248	0.01502	0.064365	0.16494	-0.202	1.09E-05	-0.06885
0.026245	0.57158	0.043607	0.34707	0.268713	3.63E-09	-0.06814	0.14149	0.136346
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0.001943	0.96661	-0.02616	0.57275	0.18261	7.22E-05	-0.18415	6.25E-05	-0.00222
0.017055	0.71317	-0.07344	0.11297	0.081961	0.07682	-0.12352	0.00753	-0.08263
0.010527	0.82051	0.038936	0.40121	0.11748	0.01106	-0.05871	0.20534	0.104901
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-0.07704	0.09635	-0.00521	0.91058	0.029208	0.52893	-0.07228	0.11877	-0.00224
-0.00246	0.95767	-0.06371	0.16932	0.123362	0.00761	-0.17437	0.00015	-0.01978
-0.02231	0.63062	-0.07198	0.12033	0.157995	0.00061	-0.14585	0.00158	0.11774
0.123891	0.00735	0.202649	1.02E-05	0.398312	3.31E-19	0.055501	0.23127	0.112292
0.019015	0.68192	-0.08362	0.071	0.180283	8.94E-05	-0.20175	1.12E-05	0.16945
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0.051289	0.26867	-0.04858	0.29483	0.202296	1.06E-05	-0.2056	7.50E-06	0.112064
0.06687	0.14907	0.168065	0.00026	0.296351	6.39E-11	0.077611	0.09389	0.006039
0.035008	0.45042	-0.07869	0.0894	0.034376	0.45863	-0.13712	0.00298	-0.08764
0.052195	0.2603	-0.07261	0.11712	0.214522	2.90E-06	-0.18267	7.18E-05	0.097768
-0.06655	0.15103	-0.08055	0.08206	-0.24571	7.52E-08	-0.02686	0.56265	0.038942

0.089467	0.05335	-0.13377	0.00378	0.075712	0.10224	-0.22243	1.21E-06	0.031493
0.060735	0.19013	-0.02315	0.61784	-0.03807	0.41172	-0.08967	0.05281	0.006877
0.038796	0.40289	-0.12158	0.00854	-0.0835	0.07142	-0.18099	8.38E-05	-0.05504
0.048436	0.29624	-0.13204	0.00426	0.073694	0.11174	-0.25791	1.56E-08	0.008298
0.038046	0.41207	-0.16404	0.00037	0.063585	0.17013	-0.2679	4.06E-09	0.068045
0.093403	0.04365	-0.0076	0.86994	0.109127	0.01833	-0.02725	0.55692	0.152975
0.095463	0.03919	-0.10911	0.01834	0.150232	0.00113	-0.1626	0.00042	0.172982
0.014653	0.75214	-0.1665	0.0003	0.064111	0.16662	-0.22395	1.01E-06	0.158508
0.072784	0.11624	-0.08596	0.06343	-0.03093	0.50495	-0.14857	0.00128	0.022871
0.091481	0.04818	-0.04516	0.3302	0.13025	0.00481	-0.07341	0.11314	0.243608
0.077619	0.09386	-0.10171	0.02797	0.025195	0.58706	-0.0692	0.13536	0.231112
0.067126	0.14752	-0.06132	0.18587	0.090362	0.051	-0.04999	0.28101	0.226232
0.103779	0.02491	-0.12868	0.00536	-0.01268	0.78463	-0.27355	1.85E-09	0.014103
0.123484	0.00755	-0.09293	0.04474	0.072441	0.11798	-0.13492	0.00349	0.149622
0.126317	0.00627	-0.07798	0.09233	0.072863	0.11585	-0.20887	5.32E-06	0.022894
0.100944	0.02917	-0.00938	0.83978	0.042268	0.3621	-0.07379	0.11129	0.106024
0.05699	0.21897	-0.17934	9.74E-05	0.039306	0.39674	-0.23249	3.77E-07	0.058994
0.064675	0.16291	-0.09937	0.0318	0.090732	0.05005	-0.20347	9.35E-06	0.185522
0.122325	0.00814	-0.14007	0.00241	0.13311	0.00396	-0.18676	4.89E-05	0.194006
0.11903	0.01004	-0.12279	0.00789	0.057184	0.21741	-0.20457	8.34E-06	0.048263
0.14345	0.00189	-0.05475	0.23764	0.073574	0.11232	-0.1917	3.04E-05	0.064569
0.139195	0.00257	-0.03727	0.42161	0.097361	0.03544	-0.11838	0.01045	0.066272
0.050649	0.2747	-0.12925	0.00515	-0.02782	0.54867	-0.1741	0.00016	0.00834
0.071999	0.12024	-0.13992	0.00244	0.070625	0.1275	-0.26132	9.93E-09	0.088557
0.05763	0.21383	-0.13513	0.00344	0.091781	0.04745	-0.26042	1.12E-08	0.168415
0.158967	0.00056	-0.06639	0.15204	0.092498	0.04573	-0.12466	0.00699	0.123429
0.121288	0.0087	-0.10207	0.0274	0.075823	0.10173	-0.18706	4.75E-05	0.084489
0.078407	0.09056	-0.11795	0.01074	0.081718	0.0777	-0.21064	4.40E-06	0.004709
0.115437	0.01255	-0.10454	0.02387	0.088515	0.05595	-0.24182	1.22E-07	0.044778
0.108885	0.01859	-0.17615	0.00013	0.103665	0.02507	-0.21824	1.93E-06	0.13847
0.09248	0.04578	-0.09025	0.05128	0.060229	0.19386	-0.16994	0.00022	0.07552
0.007516	0.87131	-0.17811	0.00011	-0.09724	0.03566	-0.17004	0.00022	0.04328
0.006297	0.89204	-0.17754	0.00011	-0.11532	0.01264	-0.17348	0.00016	0.141401
0.095489	0.03914	-0.02339	0.61408	0.159771	0.00053	-0.11227	0.01521	0.098379
0.123742	0.00742	-0.03162	0.49545	0.173462	0.00017	-0.13109	0.00455	0.090009
0.087697	0.05826	-0.11357	0.01407	0.1093	0.01814	-0.18225	7.46E-05	0.073051
0.044867	0.33331	-0.14625	0.00153	0.025789	0.57827	-0.22628	7.77E-07	0.081239
0.112606	0.01491	-0.08301	0.07312	0.095026	0.0401	-0.10359	0.02518	0.229949
0.09324	0.04402	-0.1064	0.02147	0.017894	0.69973	-0.15702	0.00066	0.099492
0.034899	0.45182	-0.11867	0.01027	-0.00578	0.90094	-0.15692	0.00067	0.19794
0.154028	0.00084	0.080649	0.08168	0.188702	4.06E-05	0.056275	0.22482	-0.04689
-0.01343	0.77229	-0.00875	0.85033	-0.03671	0.42871	-0.08008	0.08385	-0.20039
0.022134	0.63329	-0.11081	0.01659	-0.06963	0.13294	-0.16533	0.00033	-0.12895
-0.03084	0.50609	-0.14126	0.00222	-0.1149	0.01297	-0.22219	1.24E-06	-0.08076
-0.07615	0.10027	-0.14508	0.00167	-0.12865	0.00537	-0.2469	6.47E-08	-0.29973



-0.05999	0.1956	-0.03513	0.44879	-0.08996	0.05205	-0.05261	0.25649	-0.1588
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0.062491	0.17762	0.044835	0.33365	0.039125	0.39891	0.022209	0.63215	-0.03152
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0.014578	0.75337	0.021641	0.64088	-0.0002	0.99659	-0.03604	0.43713	-0.05115
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0.000838	0.98559	-0.00121	0.97925	-0.01571	0.73492	-0.03898	0.4007	-0.09168
0.034896	0.45187	0.011696	0.80098	0.057429	0.21544	-0.01693	0.71516	0.025538
-0.03031	0.51344	0.009867	0.83159	-0.0176	0.70449	-0.0658	0.15568	-0.17084
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0.021094	0.64935	-0.08602	0.06327	-0.08905	0.05447	-0.11535	0.01262	-0.12482
0.011742	0.80021	0.031719	0.4941	-0.0267	0.56499	0.01411	0.76104	-0.11521
-0.02958	0.52366	0.000304	0.99477	-0.06763	0.14448	-0.02705	0.55986	-0.16244
0.13507	0.00345	0.063831	0.16848	0.175796	0.00013	0.007824	0.8661	-0.07666
0.01027	0.82483	-0.01697	0.71449	-0.06256	0.17716	-0.03766	0.41679	-0.16114
-0.0923	0.0462	-0.09682	0.03648	-0.05005	0.28043	-0.16781	0.00027	-0.14135
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0.03049	0.511	-0.01282	0.78236	0.056482	0.22312	-0.04629	0.31822	-0.11158
0.23456	2.94E-07	0.145054	0.00167	0.101886	0.02769	0.16893	0.00025	0.003704
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0.000385	0.99338	0.032871	0.47855	-0.04709	0.30984	-0.01508	0.74515	-0.17512
0.013453	0.77185	0.065836	0.15548	-0.01294	0.78029	0.016912	0.71547	-0.15683
0.014466	0.7552	-0.0051	0.91241	-0.05419	0.2425	-0.0215	0.6431	-0.13043
0.014663	0.75198	0.019342	0.67675	-0.02298	0.62033	0.05336	0.2498	-0.01439
0.023953	0.60563	0.028585	0.53777	-0.0675	0.14527	0.005731	0.9017	-0.15363
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0.016231	0.72646	0.045615	0.3253	-0.01587	0.73234	0.010464	0.82157	-0.14455
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0.001589	0.97269	0.012074	0.79469	-0.04511	0.33068	-0.01579	0.73361	-0.13714
0.00231	0.96029	0.020698	0.6555	-0.01404	0.76226	-0.01619	0.72719	-0.0981
0.009011	0.84601	0.005234	0.91019	0.057206	0.21723	-0.02244	0.62861	0.025441
0.008567	0.8535	-0.06327	0.17229	-0.02121	0.64748	-0.11615	0.01201	-0.01819
0.005521	0.90529	0.019747	0.67038	-0.00847	0.85523	-0.08754	0.05871	-0.14688
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0.059011	0.20304	0.105602	0.02247	0.015603	0.73665	0.086231	0.06261	-0.14178
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0.008057	0.86214	0.075902	0.10138	0.053663	0.24711	0.022824	0.62274	-0.00311
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0.046205	0.31908	0.083866	0.07019	0.04064	0.3809	0.046331	0.31776	-0.05386
0.009764	0.83332	-0.02406	0.60399	-0.08352	0.07137	-0.04986	0.28226	-0.05619
-0.10109	0.02894	-0.20788	5.90E-06	-0.21725	2.15E-06	-0.30354	2.07E-11	-0.18317
0.022833	0.62261	-0.01733	0.70876	-0.06281	0.17542	-0.0694	0.13428	-0.14267
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0.005546	0.90485	-0.07218	0.11933	-0.09389	0.04255	-0.11397	0.01372	-0.15948
0.008754	0.85034	-0.05327	0.25061	-0.01691	0.71552	-0.09538	0.03936	-0.1344
0.019567	0.67321	0.085662	0.06437	0.067622	0.14454	0.03903	0.40006	0.023852
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0.188975	3.96E-05	0.196539	1.89E-05	0.299417	3.97E-11	0.133044	0.00397	0.053116
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0.158841	0.00057	0.132458	0.00414	0.081715	0.07772	0.105594	0.02248	-0.10565
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0.016619	0.7202	0.09073	0.05006	0.090882	0.04967	0.045454	0.32702	-0.00892
0.016229	0.7265	0.096417	0.03726	0.100613	0.02971	0.083257	0.07226	-0.04091
0.065593	0.15701	-0.07504	0.10532	-0.02454	0.59684	-0.1112	0.01622	-0.11423
0.021854	0.6376	-0.09605	0.038	-0.04617	0.31949	-0.17171	0.00019	-0.21009
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0.012749	0.78348	0.011456	0.80497	0.00269	0.95377	-0.0328	0.47946	-0.02279
0.088591	0.05574	0.132031	0.00426	0.252822	3.04E-08	0.179974	9.20E-05	0.121507
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0.230364	4.84E-07	0.130408	0.00476	0.203303	9.51E-06	0.116936	0.01144	-0.03474
0.108686	0.0188	0.153601	0.00087	0.174006	0.00016	0.14655	0.0015	0.046269
0.033815	0.466	0.064869	0.16165	0.075826	0.10172	0.034168	0.46135	0.053973
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0.010737	0.817	-0.04059	0.38154	-0.06354	0.1704	-0.07408	0.10985	-0.05507
0.015619	0.73638	-0.01706	0.71307	-0.06092	0.18882	-0.053	0.25297	-0.24121
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0.031762	0.49352	0.038838	0.40239	0.053921	0.24485	-0.00221	0.96193	0.005402
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0.030987	0.50414	0.050189	0.27909	0.060323	0.19316	0.018264	0.69383	0.004197
0.023629	0.61052	-0.01783	0.70075	0.022086	0.63404	-0.08509	0.06619	-0.0499
0.020395	0.66022	0.112254	0.01522	0.045678	0.32463	0.077642	0.09376	-0.01047
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0.155884	0.00072	0.242812	1.08E-07	0.370921	1.12E-16	0.19402	2.42E-05	-9.30E-05
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0.017307	0.70913	0.093301	0.04388	0.032601	0.48217	0.092463	0.04582	0.018236
0.029658	0.52261	0.070722	0.12698	0.137223	0.00296	-0.00052	0.99106	-0.04537
0.03215	0.48825	-0.06478	0.16224	-0.01487	0.74852	-0.18687	4.84E-05	-0.05451
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0.030943	0.50474	0.016822	0.71692	0.022082	0.63409	-0.02972	0.52176	-0.03513
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0.021943	0.63623	-0.05821	0.20922	0.006509	0.88844	-0.09357	0.04328	-0.04053
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0.032581	0.48244	0.040158	0.38657	0.01718	0.71116	-0.05767	0.21355	-0.03025
0.016773	0.7177	0.153958	0.00084	0.137366	0.00293	0.133354	0.00389	0.056434
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0.052794	0.25486	0.089822	0.0524	0.084478	0.06816	0.07726	0.09539	-0.04432
0.038043	0.41209	0.044409	0.33827	-0.08219	0.076	0.029488	0.52499	-0.17523
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0.028989	0.53203	0.072135	0.11954	0.056495	0.22301	0.020446	0.65943	-0.22205
-0.16323	0.0004	-0.18746	4.58E-05	-0.17057	0.00021	-0.25733	1.69E-08	-0.21971
-0.06136	0.18564	-0.01955	0.67354	-0.03701	0.42493	-0.07488	0.10606	-0.25723
-0.13994	0.00244	-0.05248	0.25773	-0.08574	0.06412	-0.09894	0.03254	-0.15414
-0.01516	0.7439	0.074129	0.10963	0.043153	0.35212	-0.00014	0.99754	-0.14437
-0.10574	0.02229	-0.22449	9.54E-07	-0.14743	0.0014	-0.19407	2.41E-05	-0.13582
-0.03966	0.39244	-0.09529	0.03956	-0.10158	0.02817	-0.14806	0.00133	-0.22176
0.058544	0.20664	0.04594	0.32186	0.048478	0.29582	-0.00452	0.9224	0.004409
-0.02998	0.51811	-0.03869	0.40414	-0.07777	0.09323	0.005296	0.90913	0.013171
-0.0056	0.90392	-0.02677	0.56391	-0.07408	0.10986	-0.06174	0.18292	-0.06762
0.11038	0.01702	0.076073	0.10061	0.223446	1.07E-06	0.079655	0.08553	0.020464
0.035747	0.4409	0.099565	0.03146	0.083496	0.07144	0.182863	7.05E-05	0.145918
0.146431	0.00151	0.062628	0.17666	0.26908	3.45E-09	0.055897	0.22795	0.090705
0.105215	0.02297	0.024421	0.59861	0.149044	0.00124	0.007428	0.87281	-0.02251
0.057476	0.21506	-0.05634	0.22424	0.091395	0.04839	-0.02197	0.63581	0.1523
0.064714	0.16266	0.015544	0.7376	0.15787	0.00062	0.013484	0.77135	0.019123
0.034724	0.4541	-0.01073	0.81718	0.111933	0.01552	0.08371	0.07071	0.166987
0.021092	0.64938	0.043736	0.34565	0.190162	3.53E-05	0.10136	0.02851	0.112436
-0.01287	0.78155	0.070632	0.12746	0.041822	0.36718	0.134077	0.0037	-0.05423
0.102464	0.02682	0.097257	0.03563	0.244705	8.53E-08	0.113044	0.01452	0.098629
0.102745	0.0264	0.030954	0.50459	0.151815	0.001	0.026316	0.57054	-0.02603
0.048838	0.29225	0.001606	0.97239	0.195136	2.17E-05	0.042756	0.35657	0.11858
0.042101	0.364	0.068477	0.13953	0.150525	0.0011	0.051131	0.27015	-0.01167
0.026486	0.56804	0.041995	0.36521	0.123526	0.00753	0.066764	0.14972	-0.00693
0.010165	0.82659	0.039089	0.39935	0.127894	0.00564	0.079988	0.08422	0.039285
0.055211	0.23372	0.1014	0.02845	0.204312	8.57E-06	0.175758	0.00013	0.159769
-0.00414	0.92889	0.078525	0.09007	0.074602	0.10738	0.151241	0.00104	0.128481
0.034886	0.45199	0.127374	0.00584	0.134062	0.0037	0.080724	0.0814	-0.02992
0.050354	0.27751	0.010862	0.81489	0.169688	0.00023	0.028897	0.53333	0.065215
0.020454	0.65931	0.016553	0.72126	0.131422	0.00444	0.083541	0.07129	0.008889
-0.04725	0.30826	0.029466	0.5253	0.025941	0.57604	0.071808	0.12123	0.064293
0.105495	0.02261	0.079572	0.08585	0.25245	3.19E-08	0.060381	0.19273	0.073107
0.056435	0.2235	0.083494	0.07145	0.193035	2.67E-05	0.206543	6.79E-06	0.212811
0.023224	0.61665	0.018519	0.68977	0.119165	0.00995	0.122967	0.00781	0.195436
0.062436	0.178	-0.0096	0.83615	0.112621	0.01489	-0.00181	0.96888	0.031437
0.079549	0.08595	0.092646	0.04539	0.186636	4.95E-05	0.040005	0.38839	-0.02471
0.092979	0.04462	-0.042	0.36515	0.136905	0.00303	-0.01531	0.74137	0.102765
0.039192	0.39811	0.006898	0.88181	0.13004	0.00488	0.025474	0.58294	0.179683

0.042021	0.36491	0.0511	0.27044	0.161759	0.00045	0.031206	0.50112	-0.02131
0.072334	0.11852	0.026961	0.56113	0.17383	0.00016	0.046019	0.32103	0.078952
0.062585	0.17696	0.088128	0.05703	0.156209	0.00071	0.082254	0.07577	0.069902
0.001436	0.97532	0.123231	0.00767	0.117833	0.01082	0.187855	4.41E-05	0.041246
0.075889	0.10143	0.033738	0.46702	0.118176	0.01059	0.054651	0.2385	0.075001
0.063	0.1741	0.054064	0.24359	0.171607	0.00019	0.121102	0.0088	0.185664
-0.0101	0.82775	0.053855	0.24542	0.088001	0.05739	0.120384	0.00921	0.100284
0.078901	0.08854	0.066523	0.1512	0.177576	0.00011	0.078337	0.09085	0.02579
0.050725	0.27398	0.038008	0.41253	0.15812	0.0006	0.034641	0.45518	0.059423
0.05648	0.22313	0.050766	0.27359	0.132912	0.00401	-0.00202	0.96527	-0.05233
0.067319	0.14636	0.025919	0.57636	0.156845	0.00067	0.025707	0.57949	-0.04443
0.102106	0.02736	-0.00559	0.90417	0.189741	3.68E-05	-0.00167	0.97134	0.019068
0.059381	0.20022	0.096427	0.03724	0.221475	1.34E-06	0.080408	0.0826	0.059032
0.039316	0.39662	0.017824	0.70084	0.120576	0.0091	0.016459	0.72278	0.016601
0.144127	0.00179	0.093535	0.04335	0.256124	1.98E-08	0.06741	0.14581	0.039954
0.036442	0.43207	-0.00419	0.92801	0.142406	0.00204	0.098125	0.03401	0.225152
0.041098	0.37555	0.056441	0.22345	0.119524	0.00973	0.126774	0.00608	0.181456
0.047143	0.30934	0.050223	0.27876	0.171918	0.00019	0.101246	0.02869	0.104691
0.137345	0.00294	0.026792	0.56359	0.213856	3.11E-06	0.043206	0.35153	0.026431
0.10752	0.02012	0.009607	0.83596	0.186992	4.78E-05	0.003259	0.944	0.037966
-0.00191	0.96714	0.029866	0.51969	-0.03367	0.46788	0.036263	0.43432	-0.02676
-0.00666	0.8858	-0.05392	0.24485	0.005424	0.90693	-0.04492	0.33269	-0.00148
0.048203	0.29858	-0.02167	0.64038	0.159164	0.00056	-0.00999	0.82945	0.03485
0.078107	0.0918	-0.02986	0.51974	0.144499	0.00174	0.010891	0.81441	0.042771
0.006855	0.88255	-0.08007	0.08392	0.01768	0.70316	-0.01714	0.71182	0.178978
0.026614	0.56617	0.017502	0.706	0.025323	0.58517	0.064626	0.16323	0.210127
-0.06279	0.17557	-0.03085	0.506	0.061635	0.18363	-0.01614	0.72789	0.078828
-0.04449	0.33742	-0.13497	0.00347	-0.12983	0.00495	-0.10068	0.02961	0.193848
0.082015	0.07663	0.159052	0.00056	0.233478	3.35E-07	0.096531	0.03704	0.191791
0.033618	0.4686	0.132845	0.00403	0.033949	0.46424	0.159366	0.00055	0.002861
0.012476	0.788	0.031479	0.49738	-0.01577	0.73392	-0.00202	0.96527	0.064423
-0.0656	0.15699	-0.01236	0.78995	-0.06524	0.15927	0.100984	0.02911	0.131595
-0.02741	0.55458	-0.03038	0.51252	-0.00916	0.84342	-0.02752	0.55301	0.159637
0.108652	0.01884	0.027335	0.55571	0.076347	0.09938	0.026217	0.57199	0.311951
-0.09069	0.05015	-0.15633	0.0007	-0.03238	0.48519	-0.11373	0.01393	0.166475
-0.07613	0.10034	-0.13696	0.00302	-0.0016	0.97257	-0.16552	0.00033	0.291219
0.051661	0.26522	0.234939	2.81E-07	0.197157	1.78E-05	0.297493	5.35E-11	0.396758
0.014028	0.76238	-0.14696	0.00145	-0.05023	0.27866	-0.05095	0.27185	0.194164
0.132629	0.00409	0.225205	8.79E-07	0.214966	2.76E-06	0.214958	2.76E-06	0.074666
0.006568	0.88743	0.010282	0.82463	0.053512	0.24844	0.111035	0.01637	0.32103
-0.00413	0.92905	-0.07449	0.10789	-0.04424	0.34017	-0.12414	0.00724	0.187701
-0.10134	0.02854	-0.03926	0.39724	-0.09656	0.03698	0.074008	0.11021	0.157819
-0.00738	0.87361	0.036885	0.42648	-0.01714	0.7118	-0.0413	0.3732	-0.04668
0.015356	0.74066	-0.11834	0.01048	-0.07726	0.09538	-0.05425	0.24196	0.274507
0.174677	0.00015	0.195771	2.04E-05	0.034338	0.45913	0.101361	0.02851	-0.21041

-0.06532	0.15874	-0.06897	0.1367	-0.23082	4.58E-07	-0.12175	0.00845	-0.08808
-0.03203	0.48989	-0.07451	0.10781	0.059289	0.20092	-0.08761	0.0585	0.285194
0.057442	0.21533	0.098798	0.0328	0.156046	0.00071	0.218929	1.78E-06	0.227797
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-0.01044	0.82194	-0.08624	0.06258	-0.0967	0.03671	-0.02555	0.58175	0.18593
-0.02907	0.53084	-0.02502	0.58961	-0.02719	0.55778	0.091226	0.04881	0.286951
-0.03217	0.48795	-0.05011	0.27981	0.04636	0.31745	-0.08541	0.06515	0.226241
0.008522	0.85426	-0.02648	0.56816	0.040751	0.37959	-0.08179	0.07743	0.256395
0.00603	0.8966	-0.08174	0.07762	-0.21638	2.36E-06	-0.16032	0.00051	-0.04633
-0.07713	0.09597	-0.10076	0.02947	-0.01715	0.71163	-0.09869	0.03299	0.023769
-0.06021	0.19399	0.020228	0.66283	-0.1237	0.00744	-0.00711	0.87814	0.188028
0.048953	0.29112	0.056948	0.21932	0.026595	0.56645	-0.03378	0.46646	-0.0251
-0.03272	0.48061	0.037351	0.42066	0.138995	0.00261	0.132518	0.00412	0.277582
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0.058018	0.21076	0.209653	4.89E-06	0.356577	1.90E-15	0.264582	6.39E-09	0.330565
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0.016442	0.72306	-0.02456	0.5965	-0.02895	0.53263	0.007781	0.86682	0.147059
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0.016125	0.72817	-0.09857	0.0332	0.047936	0.30127	-0.13071	0.00467	0.272564
0.052577	0.25683	-0.08179	0.07745	0.127728	0.00571	-0.14236	0.00204	0.260895
-0.12074	0.00901	-0.16951	0.00023	-0.23067	4.67E-07	-0.18114	8.27E-05	-0.02228
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-0.04286	0.35536	-0.0315	0.49715	0.029645	0.52278	-0.03583	0.43986	0.016765
-0.07647	0.09885	0.006091	0.89555	-0.05934	0.20051	0.038376	0.40801	0.111227
-0.03453	0.4566	-0.07074	0.1269	-0.06711	0.14764	-0.0936	0.04321	0.172252
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-0.00173	0.97024	-0.00333	0.94276	0.014579	0.75334	0.038457	0.40703	0.325203
-0.08199	0.07672	0.031678	0.49467	-0.13882	0.00264	0.079083	0.0878	0.112914
0.008889	0.84807	0.166426	0.0003	0.153973	0.00084	0.277364	1.07E-09	0.448182
0.004201	0.92786	-0.1567	0.00068	0.041335	0.3728	-0.27384	1.77E-09	0.158087
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0.041722	0.36834	-0.05978	0.19718	0.083217	0.07239	-0.03316	0.47473	0.116492
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-0.05595	0.22754	-0.03977	0.39118	-0.10469	0.02366	0.035803	0.44019	0.173855
-0.00996	0.8301	-0.02225	0.63155	0.021468	0.64355	-0.05479	0.23735	0.210243
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0.041684	0.36878	0.044777	0.33427	-0.05362	0.24746	0.041147	0.37498	0.143808
-0.02294	0.62093	-0.02757	0.5523	0.113365	0.01424	-0.06302	0.17395	0.263466
0.00819	0.8599	-0.03751	0.41871	0.075624	0.10263	-0.08045	0.08245	0.160914
0.072746	0.11643	-0.00694	0.88111	0.211205	4.14E-06	-0.03406	0.46279	0.265234
-0.03456	0.45621	-0.01857	0.68893	0.018503	0.69002	-0.03934	0.39629	0.040904
-0.02394	0.60577	-0.10354	0.02525	0.001717	0.97048	-0.17858	0.0001	0.219875
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-0.06312	0.17331	-0.10694	0.02081	-0.01583	0.73295	-0.10672	0.02108	0.226841
-0.02101	0.65057	-0.00737	0.87372	0.03401	0.46344	-0.10641	0.02145	0.037588
-0.11738	0.01113	-0.12349	0.00754	-0.18456	6.01E-05	0.013419	0.77242	0.154859
-0.0919	0.04716	-0.18481	5.88E-05	-0.03442	0.458	-0.12287	0.00786	0.21556
-0.13483	0.00351	-0.13519	0.00342	-0.23105	4.46E-07	-0.03492	0.45152	0.035441
-0.14194	0.00211	-0.10628	0.02161	-0.21993	1.59E-06	-0.07086	0.12626	0.112825
-0.01848	0.69047	-0.08347	0.07154	-0.16631	0.00031	-0.11067	0.01673	-0.03581
-0.10764	0.01998	-0.03349	0.47034	-0.2213	1.37E-06	0.034611	0.45557	0.082517
-0.02173	0.63958	0.006654	0.88597	-0.04381	0.34481	-0.01374	0.76719	-0.07637
-0.05587	0.22814	-0.03849	0.40663	-0.1165	0.01175	0.016619	0.72019	0.2021
-0.01296	0.78001	0.000999	0.98282	-0.07208	0.11985	0.063605	0.17	0.164016
0.03546	0.44458	-0.05934	0.20052	0.123159	0.00771	-0.11537	0.0126	0.168121
0.039033	0.40003	-0.04762	0.30451	-0.05132	0.26842	0.010602	0.81926	0.174558
-0.07102	0.12538	-0.01175	0.80004	-0.15746	0.00064	0.018049	0.69726	0.071393
-0.01679	0.71744	-0.14164	0.00215	-0.15913	0.00056	-0.09271	0.04523	0.157641
-0.00984	0.83202	-0.1829	7.03E-05	0.039865	0.39006	-0.16533	0.00033	0.28927
0.006726	0.88473	-0.07792	0.09257	-0.10204	0.02746	-0.2059	7.27E-06	-0.17572
0.023101	0.61852	-0.01886	0.68442	0.089892	0.05222	0.155615	0.00074	0.346549
-0.02093	0.65192	-0.11456	0.01324	-0.14034	0.00237	-0.07756	0.0941	0.251649
-0.06651	0.15129	-0.08054	0.08212	0.070351	0.12899	-0.15548	0.00075	0.143012
0.0339	0.46488	-0.09252	0.04569	0.063403	0.17136	-0.09075	0.05	0.32345
-0.02719	0.55773	-0.02749	0.55339	-0.00072	0.98755	-0.09871	0.03296	0.058825
-0.0631	0.17339	-0.12668	0.00612	-0.11948	0.00976	-0.10676	0.02103	0.284014
-0.25266	3.11E-08	-0.24795	5.67E-08	-0.31101	6.24E-12	-0.20242	1.04E-05	-0.04105
0.036008	0.43757	-0.0293	0.52764	-0.00629	0.8922	-0.11965	0.00965	-0.15079
-0.08587	0.06371	0.063277	0.17221	0.101785	0.02785	0.124238	0.00719	0.254065
-0.00679	0.88361	-0.0672	0.14707	0.068327	0.14039	-0.12212	0.00825	0.151367
0.002021	0.96525	-0.04766	0.30401	0.026204	0.57217	0.050202	0.27896	0.296617
-0.09886	0.03269	-0.21865	1.84E-06	-0.20537	7.68E-06	-0.11184	0.01561	0.10908
-0.01625	0.72621	-0.16646	0.0003	0.033724	0.46721	-0.2069	6.54E-06	0.176918
-0.09204	0.04681	-0.11607	0.01207	-0.12025	0.00929	-0.14985	0.00116	0.21376
0.00591	0.89864	-0.13393	0.00374	-0.04508	0.33098	-0.12798	0.00561	0.191817
0.016298	0.72538	-0.09987	0.03095	-0.01461	0.75288	-0.10818	0.01937	0.186644
0.026505	0.56777	-0.02661	0.56617	0.135196	0.00342	-0.0895	0.05326	0.258148
-0.11712	0.01131	-0.04394	0.34336	-0.06446	0.16434	-0.01854	0.68938	0.001855
-0.0401	0.3873	-0.12429	0.00717	-0.05383	0.24566	-0.06251	0.17746	0.243911
-0.04208	0.36425	-0.02418	0.60229	0.016071	0.72905	-0.03184	0.49241	0.208712
-0.11631	0.01189	-0.05719	0.21737	-0.09511	0.03993	-0.00277	0.95247	0.205218
-0.09145	0.04826	-0.04245	0.36005	-0.07413	0.10964	0.016825	0.71687	0.191591
-0.04595	0.32175	-0.0014	0.97592	-0.00611	0.89517	0.122795	0.00789	0.307644
-0.00161	0.97235	-0.13162	0.00438	-0.03063	0.50913	-0.22109	1.40E-06	0.121207
-0.06664	0.15049	-0.05954	0.19903	-0.12684	0.00605	-0.02508	0.5888	0.132874
-0.09491	0.04035	-0.19177	3.02E-05	-0.19494	2.21E-05	-0.07861	0.08971	0.110774
-0.05274	0.25539	-0.13827	0.00275	0.021653	0.64069	-0.11348	0.01414	0.100955
-0.0857	0.06425	-0.03943	0.3953	-0.15871	0.00058	-0.075	0.1055	0.069668

-0.02791	0.54743	0.028797	0.53475	0.207538	6.12E-06	0.158003	0.00061	0.114588
-0.0615	0.18457	-0.02079	0.654	-0.10508	0.02315	0.065753	0.156	-0.03636
-0.10606	0.02188	-0.07853	0.09004	-0.02931	0.5275	-0.01725	0.71007	0.174705
-0.08261	0.07451	-0.0023	0.9605	-0.12554	0.0066	0.09815	0.03397	0.189198
0.002631	0.95478	-0.10641	0.02146	-0.10228	0.02709	-0.09142	0.04833	0.144387
-0.04856	0.29497	-0.07166	0.12198	-0.1265	0.00619	-0.03166	0.49486	0.204009
-0.05174	0.26449	0.019649	0.67192	-0.06475	0.16241	0.06052	0.19171	0.120703
-0.03608	0.43671	0.005654	0.90302	-0.04374	0.3456	-0.00649	0.88878	0.138197
-0.031	0.50397	-0.06202	0.18088	0.025623	0.58072	-0.06994	0.13122	0.325884
-0.06056	0.19144	-0.04207	0.3643	-0.00044	0.99246	-0.04615	0.31967	0.203796
-0.09315	0.04423	-0.0143	0.75795	-0.15748	0.00064	0.000574	0.99012	0.109792
-0.11898	0.01007	-0.10719	0.02051	-0.2055	7.57E-06	-0.10522	0.02296	0.103377
-0.06685	0.14918	-0.06649	0.15143	-0.09124	0.04877	0.046989	0.31092	0.233912
-0.03961	0.39306	-0.06554	0.15734	-0.06873	0.13807	-0.16063	0.00049	-0.05778
-0.06218	0.17978	-0.04641	0.31692	-0.0714	0.12335	0.004692	0.91946	0.246528
-0.11402	0.01368	-0.13377	0.00378	-0.24118	1.32E-07	-0.18508	5.73E-05	-0.08838
-0.08139	0.07892	-0.08324	0.0723	-0.05325	0.25077	-0.10697	0.02078	0.167825
-0.09795	0.03433	-0.05278	0.25499	-0.14581	0.00158	0.011404	0.80585	0.117287
-0.05406	0.24361	-0.14875	0.00126	-0.03691	0.4262	-0.20856	5.49E-06	0.223566
-0.01158	0.80283	-0.01317	0.77652	-0.08683	0.0608	0.059728	0.1976	0.184152
-0.02224	0.63174	-0.0608	0.18963	-0.02401	0.60471	0.134373	0.00362	0.438901
-0.05341	0.24935	0.00361	0.93799	-0.03651	0.43124	0.000785	0.98651	0.154891
-0.13753	0.0029	0.039941	0.38915	0.009442	0.83875	0.100813	0.02938	0.259906
-0.07183	0.12114	0.069486	0.13377	-0.14806	0.00133	0.086807	0.06087	0.010794
0.050186	0.27911	-0.00922	0.84247	-0.02427	0.60086	0.00643	0.88978	0.060145
-0.05773	0.21307	-0.04625	0.31865	-0.04577	0.32364	0.001682	0.97108	0.273612
-0.02145	0.64384	-0.06293	0.17461	0.072189	0.11926	-0.12223	0.00819	0.23802
-0.06989	0.13151	-0.13071	0.00467	-0.01866	0.68754	-0.13618	0.00319	0.249023
-0.06131	0.186	-0.04147	0.37121	-0.10764	0.01999	-0.06068	0.19052	0.083822
-0.00378	0.93512	-0.10845	0.01907	0.051036	0.27104	-0.11911	0.00999	0.283357
-0.01953	0.67383	-0.03665	0.42946	0.068022	0.14218	-0.08326	0.07223	0.151543
0.012448	0.78847	-0.12963	0.00502	-0.00477	0.91809	-0.15461	0.0008	0.267202
-0.00175	0.97	0.032475	0.48387	0.074887	0.10604	0.037475	0.41912	0.17175
-0.04368	0.34622	-0.05457	0.23924	-0.0318	0.49297	0.008169	0.86025	0.198292
0.054445	0.24028	-0.02246	0.62837	0.114749	0.01309	-0.08114	0.07983	0.075441
-0.04458	0.33638	-0.00475	0.91852	-0.01557	0.73712	-0.05558	0.2306	0.111377
-0.10374	0.02497	-0.02345	0.61319	-0.07433	0.10869	0.054798	0.23724	0.178497
-0.07053	0.12803	-0.00538	0.90763	0.017173	0.71127	-0.01058	0.81961	0.203855
-0.02293	0.6211	-0.10078	0.02943	-0.01273	0.7838	-0.07021	0.12977	0.185204
0.014145	0.76046	-0.13251	0.00412	0.004113	0.92936	-0.15097	0.00107	0.18588
-0.09338	0.0437	-0.13216	0.00422	-0.12422	0.0072	-0.07636	0.09932	0.060151
-0.01899	0.68233	-0.05252	0.25735	-0.11447	0.01332	0.012763	0.78325	-0.06644
-0.03877	0.40319	0.13168	0.00437	0.134042	0.00371	0.092533	0.04565	-0.01349
-0.03379	0.46632	-0.02492	0.59109	0.096123	0.03785	-0.0751	0.10506	0.246333
-0.06869	0.13829	0.032957	0.4774	-0.07381	0.11119	0.040801	0.37901	0.042267



-0.08084	0.08095	-0.01975	0.67031	-0.10222	0.02719	-0.00852	0.85427	0.175268
-0.06958	0.13323	-0.12448	0.00707	-0.04909	0.28972	-0.12286	0.00786	0.191293
-0.03649	0.43151	-0.08538	0.06526	-0.05065	0.27466	-0.03719	0.42272	0.174146
-0.01039	0.82289	-0.05664	0.22185	-0.07008	0.13045	-0.10018	0.03043	0.211245
-0.00668	0.88555	-0.10428	0.02422	-0.0825	0.0749	-0.13033	0.00479	0.037951
0.044533	0.33692	0.009204	0.84275	0.126513	0.00619	0.011843	0.79852	0.331037
-0.04792	0.30138	-0.15337	0.00088	-0.10212	0.02734	-0.00685	0.88261	0.214279
-0.09256	0.04559	-0.03125	0.5005	-0.17889	0.0001	-0.13687	0.00304	-0.32923
-0.03742	0.41981	-0.07312	0.11455	-0.05804	0.21056	-0.06278	0.17559	0.169242
-0.03218	0.48783	-0.10787	0.01972	0.040003	0.38842	-0.13303	0.00398	0.210778
-0.01371	0.76757	-0.06289	0.17488	0.039602	0.39319	-0.08908	0.05439	0.256378
-0.04464	0.33573	-0.17614	0.00013	-0.00898	0.84654	-0.20736	6.23E-06	0.164961
-0.07248	0.11775	-0.11475	0.01309	-0.06065	0.19078	0.025311	0.58535	0.246782
-0.08249	0.07493	0.026967	0.56104	-0.06164	0.18361	0.060667	0.19063	0.092277
-0.06525	0.15922	-0.11478	0.01307	-0.20238	1.05E-05	-0.10505	0.02319	0.129673
-0.00538	0.90773	0.177532	0.00011	0.111933	0.01552	0.270334	2.90E-09	0.217703
0.008206	0.85963	0.087344	0.05929	0.052906	0.25385	0.13963	0.00249	0.067181
0.032856	0.47875	-0.00534	0.90839	-0.01908	0.68084	0.114967	0.01292	0.156711
0.00113	0.98057	-0.0453	0.32862	0.073427	0.11304	-0.06868	0.13838	0.196018
0.072709	0.11662	-0.00457	0.92156	0.068706	0.1382	0.123369	0.00761	0.156272
0.03888	0.40188	0.135822	0.00327	0.139241	0.00256	0.086997	0.06031	0.025518
0.070934	0.12584	-0.04562	0.3253	0.049835	0.2825	-0.03491	0.45172	0.119268
-0.02049	0.6587	0.033628	0.46847	0.018983	0.68242	0.148407	0.0013	0.175691
-0.09537	0.03939	-0.00262	0.95495	0.040158	0.38658	-0.01613	0.72817	0.002751
-0.11966	0.00965	-0.10141	0.02843	-0.20284	9.98E-06	-0.06693	0.1487	0.046579
-0.00745	0.87238	0.107604	0.02003	0.184658	5.96E-05	0.100875	0.02928	0.094415
-0.019	0.68214	0.00856	0.85364	-0.04569	0.3245	-0.01284	0.78193	0.135244
-0.09405	0.0422	-0.09166	0.04775	-0.08359	0.07113	-0.03405	0.46295	0.205177
0.003532	0.93932	-0.04642	0.31683	-0.11737	0.01114	0.047137	0.30941	0.045689
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0.100877	0.02928	-0.04523	0.32935	0.001084	0.98136	-0.03083	0.50627	0.132327
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-0.01817	0.69541	-0.08393	0.06998	0.083288	0.07215	-0.05217	0.26056	0.249838
-0.0251	0.58849	-0.00834	0.8574	0.158226	0.0006	-0.03728	0.42153	0.149134
0.018498	0.69011	-0.08605	0.06316	-0.04246	0.35993	-0.06843	0.13978	0.091699
0.037246	0.42196	0.138884	0.00263	0.329073	2.95E-13	0.236167	2.43E-07	0.114379
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0.168893	0.00025	0.233025	3.53E-07	0.234919	2.82E-07	0.285872	3.11E-10	0.00321
0.030216	0.51481	-0.14146	0.00218	0.018172	0.69529	-0.1278	0.00568	0.195066
-0.14293	0.00196	0.011161	0.8099	-0.13904	0.0026	0.040172	0.3864	0.158785
-0.07083	0.12642	0.063425	0.17121	-0.11936	0.00983	0.050936	0.27199	0.00725
-0.01446	0.75526	-0.04739	0.30677	0.070849	0.1263	-0.08743	0.05905	0.201179
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-0.22333	1.09E-06	-0.20967	4.88E-06	-0.30443	1.80E-11	-0.14366	0.00186	0.021518
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0.010033	0.82879	-0.07601	0.10088	0.08392	0.07001	-0.07673	0.0977	0.278014
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0.014669	0.75187	-0.07971	0.08531	0.088872	0.05496	-0.06656	0.151	0.289555
-0.10698	0.02076	-0.07239	0.11825	-0.19969	1.38E-05	-0.08775	0.05812	0.062156
-0.01845	0.6908	-0.05472	0.23795	0.010215	0.82574	0.056856	0.22006	0.356587
-0.01908	0.68096	-0.11392	0.01377	0.047975	0.30088	-0.09851	0.03332	0.2689
-0.01747	0.70644	-0.06345	0.17102	0.020888	0.65254	-0.06849	0.13943	0.220373
-0.07097	0.12564	-0.123	0.00779	-0.05169	0.26492	-0.10698	0.02076	0.036372
0.037066	0.42421	-0.09461	0.04099	-0.03512	0.449	0.047153	0.30924	0.236325
0.036771	0.42791	-0.05896	0.20346	0.014634	0.75245	0.079811	0.08492	0.32639
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0.010854	0.81504	0.029273	0.52802	-0.09288	0.04483	-0.03992	0.38942	-0.19301
-0.06156	0.18414	-0.01661	0.72038	-0.09576	0.03857	0.074342	0.10861	0.093375
-0.03274	0.48026	-0.06632	0.15246	0.085368	0.06529	-0.07328	0.11377	0.20327
-0.08116	0.07978	-0.08674	0.06107	-0.01426	0.75856	-0.05583	0.22852	0.273104
-0.01806	0.69715	-0.1397	0.00248	0.011901	0.79756	-0.19593	2.01E-05	0.174064
-0.00211	0.96369	-0.0268	0.56345	0.009815	0.83247	0.057038	0.21859	0.274396
-0.0117	0.80089	-0.05791	0.21159	-0.00739	0.87352	-0.04759	0.3048	0.223369
-0.08171	0.07775	-0.1581	0.00061	-0.05842	0.20759	-0.18019	9.02E-05	0.144408
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-0.03505	0.44981	-0.03159	0.49582	0.001018	0.98249	-0.0349	0.45186	0.189559
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0.013976	0.76324	0.008811	0.84938	-0.01168	0.80128	-0.10052	0.02986	0.203323
0.004426	0.92401	-0.0229	0.62163	-0.05279	0.25487	0.012357	0.78998	0.078573
0.002559	0.95601	-0.07569	0.10234	-0.04208	0.36422	0.011401	0.8059	0.239452
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-0.02255	0.62698	-0.25258	3.13E-08	-0.06954	0.13347	-0.24292	1.06E-07	0.218889
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0.005693	0.90235	-0.07062	0.12751	-0.04832	0.29736	-0.04126	0.37362	0.268357
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0.244891	8.33E-08	-0.08038	0.08272	-0.0088	0.84957	0.032844	0.47891	0.238437
-0.05478	0.23736	-0.04982	0.28268	-0.14048	0.00234	0.04104	0.37622	0.181597
0.004158	0.92859	-0.02015	0.66403	-0.06689	0.14893	-0.01075	0.8168	0.12133
-0.00996	0.82996	-0.10397	0.02464	0.04168	0.36882	-0.11733	0.01116	0.317317
-0.07573	0.10214	-0.08972	0.05267	-0.01362	0.76911	-0.11514	0.01278	0.046764
-0.07491	0.10594	-0.08022	0.08332	0.022927	0.62117	-0.07033	0.12911	0.272155
-0.0554	0.23208	0.023401	0.61397	-0.15317	0.0009	0.060961	0.18849	0.033678
-0.0333	0.47287	-0.08916	0.05418	0.089103	0.05433	-0.07008	0.13048	0.321455
-0.01449	0.75476	0.055046	0.23513	-0.02538	0.58436	0.029364	0.52673	0.158686

-0.08777	0.05806	-0.09877	0.03285	-0.14391	0.00182	-0.10803	0.01954	0.114632
-0.02094	0.65174	-0.00533	0.90848	0.103379	0.02548	0.123601	0.00749	0.270789
-0.15431	0.00082	-0.1182	0.01057	-0.08904	0.05451	-0.17768	0.00011	0.014992
0.009979	0.82971	-0.10026	0.0303	-0.02241	0.62914	-0.1336	0.00382	0.12063
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0.029913	0.51903	-0.05692	0.21956	0.148383	0.0013	-0.07231	0.11865	0.290118
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-0.04585	0.32277	-0.08432	0.06869	0.035663	0.44197	-0.0695	0.13372	0.284569
-0.14455	0.00174	-0.06344	0.17112	-0.17648	0.00013	-0.15153	0.00102	0.039436
-0.03231	0.4861	-0.11529	0.01266	0.03317	0.47456	-0.13752	0.0029	0.164977
-0.03063	0.50908	-0.26753	4.27E-09	-0.18011	9.09E-05	-0.2653	5.80E-09	0.053156
-0.03311	0.47538	-0.12171	0.00846	-0.11354	0.01409	-0.06804	0.14209	0.29167
-0.00958	0.83637	0.139414	0.00253	0.177113	0.00012	0.162086	0.00044	0.136906
-0.0529	0.25386	-0.0103	0.82431	0.022277	0.6311	0.014703	0.75131	0.111817
-0.0268	0.56344	-0.09832	0.03365	-0.02993	0.51878	-0.08887	0.05497	0.199483
-0.07929	0.08699	-0.05583	0.22852	0.03338	0.47177	-0.04328	0.35068	0.278008
-0.03348	0.47044	-0.04871	0.29353	-0.09102	0.04933	-0.07691	0.0969	0.031764
-0.08141	0.07884	-0.0641	0.16668	0.046939	0.31144	-0.03475	0.45372	0.330075
-0.04748	0.30587	-0.0389	0.40168	-0.03041	0.51211	-0.00286	0.95088	0.174669
-0.00473	0.91881	-0.05513	0.23444	-0.06727	0.14665	-0.08471	0.06739	0.057234
0.038277	0.40923	-0.08393	0.06996	-0.02069	0.65559	-0.15045	0.00111	0.024338
-0.12682	0.00606	-0.14717	0.00143	-0.19586	2.02E-05	-0.18004	9.14E-05	-0.11197
-0.01592	0.73152	-0.05596	0.22743	0.002682	0.95391	-0.05104	0.27103	0.131461
-0.05294	0.25351	-0.05556	0.23074	-0.00891	0.84766	-0.0872	0.05971	0.221847
-0.07884	0.08879	0.058853	0.20425	0.060199	0.19408	0.128793	0.00531	0.212319
-0.06314	0.17316	-0.09585	0.0384	-0.14146	0.00218	-0.04732	0.30749	0.107206
-0.1042	0.02433	-0.01624	0.72636	-0.06549	0.15765	0.053903	0.245	0.222003
-0.01086	0.81488	-0.17103	0.0002	-0.07365	0.11193	-0.14044	0.00235	-0.11933
-0.10635	0.02153	-0.09733	0.03549	-0.13886	0.00264	-0.07172	0.12169	0.145414
0.022682	0.6249	-0.04798	0.30077	0.069406	0.13422	-0.08548	0.06493	0.269097
6.22E-05	0.99893	-0.06982	0.13189	0.061225	0.18658	-0.07534	0.10393	0.278523
0.063063	0.17367	0.034445	0.45774	0.020233	0.66276	-0.00438	0.92487	0.128447
0.047954	0.30109	0.052581	0.25679	0.068697	0.13825	0.034176	0.46125	0.173655
-0.05325	0.25077	-0.09321	0.04409	-0.02907	0.53094	-0.05052	0.27589	0.288816
-0.0034	0.94162	0.054685	0.23821	0.00847	0.85515	0.011427	0.80547	0.113598
0.016388	0.72392	-0.1401	0.00241	0.07702	0.09643	-0.1433	0.00191	0.233869
-0.07813	0.09171	-0.10997	0.01744	-0.06231	0.17885	-0.15119	0.00105	-0.04495
0.002551	0.95615	-0.10411	0.02446	-0.01655	0.72138	-0.09848	0.03337	0.187565
-0.00864	0.85223	-0.12688	0.00604	-0.10062	0.02969	-0.1085	0.01901	0.183015
-0.10706	0.02067	-0.04953	0.28547	-0.16476	0.00035	-0.06933	0.13463	0.130023
-0.04549	0.32667	-0.05235	0.25888	-0.01256	0.78667	-0.08511	0.0661	0.133228
-0.1014	0.02845	-0.01253	0.78719	-0.17565	0.00014	0.081053	0.08016	0.10022

-0.05893	0.20366	-0.13004	0.00488	-0.18489	5.83E-05	-0.168	0.00027	0.024281
-0.01838	0.69197	-0.10272	0.02643	-0.13398	0.00372	-0.08891	0.05485	0.024611
0.044298	0.33948	-0.06361	0.16997	0.05945	0.1997	-0.06191	0.18169	0.222488
-0.0914	0.04837	-0.22654	7.54E-07	-0.15353	0.00087	-0.21468	2.85E-06	0.013104
-0.12722	0.0059	-0.12637	0.00625	-0.17204	0.00019	-0.03542	0.44504	0.140563
-0.01591	0.73166	0.109783	0.01763	0.05638	0.22395	0.021988	0.63554	-0.18741
0.05386	0.24538	-0.02572	0.57925	-0.01597	0.73066	-0.03207	0.48931	0.204484
0.03827	0.40931	-0.08287	0.07361	-0.05854	0.20666	-0.10508	0.02315	0.030694
0.021235	0.64716	-0.14905	0.00124	0.02224	0.63166	-0.16163	0.00045	0.21687
-0.05501	0.23547	-0.09805	0.03416	0.092101	0.04668	-0.12403	0.00729	0.296147
-0.09218	0.04648	-0.03554	0.4436	-0.11659	0.01169	0.04791	0.30153	0.156023
-0.00093	0.98395	-0.20274	1.01E-05	0.02403	0.60448	-0.27292	2.02E-09	0.238812
-0.094	0.04232	-0.15832	0.0006	-0.19046	3.43E-05	-0.03972	0.39179	0.09005
-0.06909	0.13603	-0.05609	0.22633	-0.11799	0.01072	-0.0669	0.14889	0.172461
-0.07162	0.12223	-0.05948	0.1995	-0.04654	0.31557	-0.02704	0.55991	0.220765
0.000611	0.9895	-0.0902	0.05141	-0.13423	0.00366	-0.13475	0.00353	0.009716
-0.041	0.37665	0.01048	0.82129	0.02486	0.59205	0.043632	0.3468	0.142176
-0.09035	0.05104	-0.14773	0.00137	-0.14942	0.0012	-0.13511	0.00344	0.089956
-0.02853	0.53857	0.112404	0.01509	0.051308	0.2685	0.136537	0.00311	-0.12503
0.03569	0.44163	0.172657	0.00018	-0.02082	0.65352	0.092586	0.04553	-0.28633
-0.00526	0.90966	-0.0059	0.89882	0.042396	0.36064	0.054315	0.2414	0.192906
0.043347	0.34996	-0.01612	0.72818	0.115992	0.01213	-0.05457	0.23919	0.218318
-0.08709	0.06003	-0.06746	0.14552	-0.05931	0.20077	-0.07723	0.0955	0.106248
-0.01004	0.82868	-0.01017	0.82647	-0.05133	0.26826	0.005542	0.90493	0.053081
-0.00725	0.8759	-0.08181	0.07737	-0.03065	0.50879	-0.07684	0.0972	0.184373
-0.07742	0.09471	-0.04188	0.36657	-0.15525	0.00076	0.04294	0.35451	0.109651
-0.0715	0.12283	-0.12714	0.00594	-0.01988	0.66836	-0.0864	0.06208	0.195795
0.001363	0.97657	-0.07306	0.11486	0.057426	0.21546	-0.10981	0.0176	0.257182
-0.05614	0.22592	-0.16923	0.00024	-0.1166	0.01169	-0.15811	0.00061	0.105348
-0.08849	0.05602	-0.17191	0.00019	-0.08564	0.06442	-0.09713	0.03588	0.226893
-0.01243	0.7887	-0.06212	0.18021	-0.01834	0.69264	-0.05355	0.24814	0.272262
-0.07791	0.09261	0.049814	0.2827	-0.08748	0.05889	0.02474	0.59384	0.028744
-0.066	0.15445	0.006079	0.89577	0.022682	0.6249	-0.05614	0.22597	0.025748
-0.03474	0.45394	-0.16088	0.00048	-0.04486	0.33342	-0.13462	0.00356	0.195928
0.073917	0.11066	0.098545	0.03325	0.068441	0.13973	0.133386	0.00388	0.09622
0.010042	0.82865	-0.08654	0.06168	-0.01147	0.80468	0.012075	0.79467	0.328885
-0.11728	0.0112	-0.07197	0.12037	-0.15537	0.00075	-0.00112	0.98075	0.183573
-0.03411	0.46214	-0.03391	0.46474	0.014988	0.74666	0.010049	0.82853	0.229744
0.033228	0.47378	-0.14433	0.00177	0.101134	0.02887	-0.16727	0.00028	0.279898
0.021681	0.64027	-0.0242	0.60191	-0.03803	0.41221	-0.04549	0.32658	0.047106
-0.04712	0.30961	-0.2227	1.17E-06	-0.20305	9.76E-06	-0.22567	8.34E-07	0.033076
0.069333	0.13463	0.043977	0.343	-0.02835	0.54105	-0.03454	0.45654	-0.19395
0.119866	0.00952	0.090922	0.04957	0.109058	0.0184	0.114467	0.01332	0.333745
-0.05265	0.25615	-0.00354	0.93912	-0.0229	0.62158	-0.02007	0.66535	0.126881
-0.04776	0.30303	-0.16607	0.00031	0.003863	0.93365	-0.24241	1.13E-07	0.187843

-0.02428	0.60066	0.105725	0.02231	-0.10409	0.02448	0.126991	0.00599	0.027242
-0.05042	0.27686	0.007806	0.8664	0.055205	0.23377	-0.00635	0.89114	0.189958
-0.14871	0.00127	-0.19498	2.20E-05	-0.23883	1.76E-07	-0.19139	3.13E-05	0.100433
-0.09092	0.04958	-0.16132	0.00047	-0.09052	0.05058	-0.13668	0.00308	0.239406
-0.05188	0.26319	-0.02023	0.66282	-0.01536	0.74057	0.029488	0.52499	0.308111
-0.04594	0.32181	-0.03757	0.41788	-0.14545	0.00162	-0.01227	0.79144	0.141156
-0.04977	0.28313	-0.12364	0.00747	0.042904	0.35491	-0.06077	0.18987	0.27192
-0.06129	0.18611	-0.02169	0.64006	-0.08476	0.06725	-0.03022	0.51469	0.165118
-0.0685	0.13939	-0.16061	0.00049	-0.08205	0.07649	-0.18959	3.73E-05	0.001952
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-0.04632	0.3179	-0.09302	0.04452	-0.05259	0.2567	-0.07329	0.11374	0.164013
-0.10788	0.01971	-0.07503	0.10537	-0.08999	0.05197	-0.03821	0.4101	0.066261
-0.07355	0.11243	-0.11882	0.01017	-0.07101	0.12544	-0.15913	0.00056	0.091456
0.039577	0.39349	-0.05233	0.25905	-0.13848	0.00271	-0.07987	0.0847	0.137955
-0.0929	0.0448	0.035211	0.44779	-0.07432	0.10872	0.088867	0.05497	0.222457
-0.08501	0.06644	-0.05947	0.19951	-0.12586	0.00646	-0.07824	0.09126	0.075917
-0.06168	0.1833	-0.0645	0.16404	-0.04482	0.3338	-0.06982	0.13188	0.079106
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0.055838	0.22844	0.019365	0.67638	0.067559	0.14492	0.087364	0.05923	0.334809
-0.09205	0.0468	-0.14258	0.00201	-0.14907	0.00123	-0.14203	0.00209	0.073777
-0.05214	0.26082	-0.03297	0.47729	-0.08705	0.06015	-0.03247	0.48394	0.237833
-0.0859	0.06364	-0.01082	0.81562	-0.12642	0.00623	-0.00366	0.93719	0.196352
-0.03715	0.42317	0.017682	0.70311	-0.00863	0.85237	0.150398	0.00111	0.268503
-0.06946	0.13389	-0.01265	0.78518	-0.04522	0.32951	-0.06829	0.14058	0.19829
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-0.01299	0.77949	-0.04208	0.36419	0.044884	0.33313	-0.07149	0.1229	0.263139
-0.08987	0.05227	0.065153	0.15982	-0.09723	0.03568	0.122835	0.00787	0.099359
-0.11677	0.01156	-0.02249	0.62791	-0.1051	0.02312	-0.0055	0.90566	0.103349
-0.01822	0.69451	-0.09384	0.04266	-0.10613	0.02181	-0.01584	0.73272	0.263144
0.014205	0.75948	0.029837	0.52009	0.094356	0.04154	-0.01563	0.73615	0.157169
0.004887	0.91611	-0.23795	1.96E-07	-0.10691	0.02084	-0.16602	0.00031	0.213167
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0.032961	0.47734	-0.08773	0.05817	0.017873	0.70007	-0.10693	0.02083	0.132392
-0.0174	0.70758	-0.13496	0.00348	-0.00347	0.94041	-0.10032	0.03019	0.177289
0.040624	0.38108	-0.01991	0.66786	0.061709	0.18311	0.000507	0.99129	0.010004
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-0.05216	0.26062	0.109505	0.01792	0.040794	0.3791	0.055165	0.23411	-0.22687
-0.12197	0.00833	-0.19661	1.88E-05	-0.1078	0.0198	-0.09988	0.03092	0.186383
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-0.06901	0.13647	-0.03444	0.45785	-0.02638	0.56953	0.000327	0.99438	0.133847
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0.006032	0.89656	-0.0692	0.13536	0.068771	0.13783	-0.14717	0.00143	0.105266

-0.04027	0.3853	-0.05449	0.23988	-0.10053	0.02985	-0.09055	0.05051	0.174591
-0.03122	0.50097	0.002582	0.95562	0.053903	0.245	0.134264	0.00365	0.304781
0.026354	0.56998	0.021638	0.64093	0.052463	0.25786	0.004159	0.92858	0.042373
0.042249	0.36231	0.223437	1.08E-06	0.12474	0.00696	0.17011	0.00022	-0.23876
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-0.20224	1.06E-05	-0.27984	7.53E-10	-0.21902	1.77E-06	-0.24489	8.33E-08	0.018716
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0.010228	0.82553	-0.07528	0.10421	0.112685	0.01484	-0.08286	0.07365	0.353306
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-0.06747	0.14547	-0.10194	0.02761	-0.04606	0.32056	-0.11627	0.01192	0.177325
-0.02665	0.5656	-0.11823	0.01056	0.042333	0.36136	-0.16202	0.00044	0.257993
-0.06484	0.16183	-0.13397	0.00373	-0.031	0.50399	-0.13835	0.00273	0.210547
-0.06154	0.18432	-0.0568	0.22051	0.077754	0.09329	-0.0534	0.24945	0.321354
-0.05088	0.27253	-0.01527	0.74213	-0.0932	0.04411	-0.00644	0.88968	0.185488
-0.07973	0.08522	-0.19399	2.43E-05	-0.12037	0.00922	-0.06724	0.14684	0.286383
-0.05986	0.19658	-0.06112	0.18734	-0.09533	0.03946	-0.06776	0.14373	0.219287
-0.02409	0.60361	-0.1159	0.0122	0.061634	0.18364	-0.20138	1.16E-05	0.208716
-0.09604	0.03801	-0.01767	0.70336	-0.16285	0.00041	0.041597	0.36977	0.130413
-0.05644	0.22349	-0.07454	0.10765	9.60E-05	0.99835	-0.07984	0.08482	0.240688
-0.05165	0.26533	-0.04922	0.28845	-0.0784	0.09059	0.033213	0.47398	0.260233
-0.07409	0.10983	-0.09031	0.05113	-0.06205	0.18068	-0.04642	0.31681	0.237907
-0.00476	0.91825	-0.06829	0.1406	-0.0244	0.59893	-0.09089	0.04965	0.031764
-0.08964	0.05289	-0.04738	0.30696	-0.13923	0.00257	0.01629	0.72551	0.211146
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-0.09091	0.04961	-0.15091	0.00107	-0.03757	0.41796	-0.07833	0.09087	0.187695
-0.00124	0.97864	-0.13526	0.0034	-0.06574	0.15606	-0.04377	0.34532	0.22723
-0.05789	0.2118	-0.15897	0.00056	-0.1167	0.01161	-0.1029	0.02618	0.162247
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0.044212	0.34042	-0.01084	0.81532	0.060427	0.19239	-0.10918	0.01827	0.214827
-0.07265	0.11689	-0.03244	0.48432	0.036259	0.43438	0.052907	0.25384	0.285136
-0.06285	0.1751	-0.0522	0.26025	-0.21251	3.60E-06	-0.04741	0.30662	0.140898
-0.10776	0.01984	0.048767	0.29295	-0.11155	0.01588	0.079107	0.08771	-0.02042
-0.02966	0.52259	-0.16648	0.0003	-0.00357	0.93866	-0.22408	9.99E-07	0.145294
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-0.08726	0.05953	0.02682	0.56317	0.040023	0.38817	0.033384	0.47171	0.131107
-0.08701	0.06028	-0.03121	0.50107	-0.09098	0.04942	0.04043	0.38336	0.258407
-0.04165	0.36915	-0.00404	0.93056	-0.12269	0.00795	-0.02424	0.60135	-0.01613
-0.10582	0.02219	0.016429	0.72326	-0.1249	0.00688	0.001495	0.97429	0.077591
0.033151	0.47481	0.121383	0.00864	0.058922	0.20373	0.116896	0.01147	0.198421
0.000699	0.98798	-0.08185	0.07724	0.024352	0.59963	-0.11083	0.01658	0.069768
-0.08139	0.0789	-0.07627	0.09973	-0.06215	0.18002	-0.08304	0.073	0.202976
-0.16435	0.00036	-0.07197	0.12039	-0.15798	0.00061	-0.04421	0.34042	0.001436
0.01322	0.7757	-0.04525	0.32918	0.008592	0.85309	0.065497	0.15762	0.222885
-0.0187	0.68685	-0.09789	0.03444	0.053416	0.2493	-0.01587	0.73225	0.383724
-0.01029	0.82456	0.035183	0.44814	0.089049	0.05448	0.025074	0.58887	0.240573

-0.09715	0.03584	-0.1113	0.01612	0.010742	0.81691	-0.08512	0.06607	0.185963
-0.01185	0.79846	-0.15629	0.0007	-0.10596	0.02201	-0.10839	0.01913	0.187879
-0.09053	0.05056	-0.11451	0.01329	-0.18969	3.69E-05	-0.12268	0.00795	-0.14508
0.101221	0.02873	0.225654	8.35E-07	0.022768	0.62359	0.189103	3.91E-05	-0.15499
-0.00569	0.90236	-0.05531	0.23289	0.101951	0.02759	0.018383	0.69193	0.376088
-0.00873	0.85081	-0.12128	0.0087	-0.01011	0.82747	-0.09535	0.03942	0.286822
-0.1145	0.01329	-0.05873	0.20522	-0.20657	6.77E-06	0.055338	0.23265	0.060331
-0.12118	0.00876	-0.0541	0.24325	-0.22206	1.26E-06	0.03392	0.46461	0.060139
-0.03233	0.48584	0.039344	0.39628	0.067212	0.147	0.066553	0.15101	0.201999
0.027171	0.55807	-0.02075	0.65473	-0.07159	0.12238	-0.03251	0.48336	-0.02299
-0.04453	0.337	-0.03428	0.45983	-0.03485	0.45241	0.049366	0.28706	0.053831
-0.04293	0.35459	0.014983	0.74675	-0.087	0.06028	-0.04186	0.36678	-0.11153
-0.04961	0.2847	-0.07435	0.10856	0.037031	0.42465	-0.05068	0.27443	0.221415
-0.10974	0.01768	-0.06943	0.13411	-0.22253	1.19E-06	-0.00069	0.98808	0.002454
-0.12427	0.00717	-0.16629	0.00031	-0.17201	0.00019	-0.12369	0.00745	0.170081
-0.13182	0.00432	-0.02079	0.65412	-0.09922	0.03206	0.008206	0.85961	0.227353
0.001279	0.97801	0.000419	0.99279	-0.09036	0.05101	-0.02266	0.62517	0.049679
-0.0004	0.99317	0.053014	0.25288	-0.04481	0.33396	0.072919	0.11556	0.093282
0.030377	0.51257	-0.10366	0.02509	-0.04072	0.37992	-0.09932	0.03189	0.164229
-0.0057	0.90217	0.037861	0.41434	0.057144	0.21773	0.125971	0.00641	0.247147
-0.03569	0.44157	-0.17452	0.00015	-0.18177	7.80E-05	-0.0764	0.09913	0.14304
-0.03286	0.47871	-0.07091	0.12598	0.091423	0.04832	-0.10625	0.02166	0.324527
-0.04285	0.35551	-0.08391	0.07005	-0.00503	0.91368	-0.08281	0.07381	0.237324
-0.07614	0.1003	-0.09235	0.04608	-0.09277	0.04509	-0.01306	0.77833	0.235917
-0.05488	0.23656	-0.09774	0.03472	-0.09407	0.04215	-0.06216	0.17992	0.246237
-0.04413	0.34128	-0.10651	0.02133	-0.05397	0.24444	-0.08434	0.0686	0.198715
-0.01671	0.71867	0.118343	0.01048	-0.04361	0.34703	0.136517	0.00312	0.080171
-0.0368	0.4275	-0.07099	0.12553	-0.01265	0.78508	-0.08157	0.07824	0.240719
-0.06005	0.19518	-0.07598	0.101	-0.15325	0.00089	0.031611	0.49558	0.06097
0.046799	0.31289	-0.11944	0.00978	0.078484	0.09024	-0.11681	0.01153	0.315367
0.058453	0.20736	-0.0594	0.2001	0.102724	0.02643	-0.06081	0.18955	0.313975
-0.02167	0.64039	-0.09151	0.0481	0.001657	0.97152	-0.12945	0.00508	0.198775
-0.05946	0.19966	-0.0709	0.12604	-0.05687	0.21992	-0.0566	0.22218	0.239766
0.015868	0.73235	0.091258	0.04873	0.053525	0.24833	0.194929	2.22E-05	0.328661
-0.07073	0.12692	-0.01362	0.76902	0.015918	0.73153	-0.00662	0.88659	0.286854
-0.09612	0.03786	-0.1658	0.00032	-0.13815	0.00277	-0.1365	0.00312	0.154724
-0.05297	0.25332	-0.00375	0.93556	-0.08656	0.06161	0.015909	0.73168	0.103893
-0.02912	0.53024	-0.0526	0.25664	-0.09049	0.05068	-0.08904	0.05449	-0.10282
-0.16357	0.00039	-0.33988	4.32E-14	-0.29766	5.22E-11	-0.28346	4.44E-10	0.046247
-0.17929	9.79E-05	-0.12995	0.00491	-0.16374	0.00038	-0.21025	4.59E-06	-0.10813
0.089722	0.05267	0.099921	0.03086	0.146545	0.0015	0.067575	0.14482	-0.05723
0.046988	0.31094	-0.04554	0.32615	0.010652	0.81841	-0.06284	0.1752	0.254435
0.079528	0.08603	0.231732	4.12E-07	0.270989	2.65E-09	0.214962	2.76E-06	0.344987
-0.11002	0.01739	-0.16153	0.00046	-0.12649	0.0062	-0.13377	0.00378	0.228057
-0.03689	0.42647	-0.05295	0.25342	-0.03923	0.39766	-0.044	0.34276	0.147812

-0.08093	0.0806	-0.15935	0.00055	-0.16813	0.00026	-0.16672	0.0003	0.117339
0.076145	0.10028	-0.08763	0.05845	0.128752	0.00533	-0.17425	0.00015	0.190644
-0.07677	0.0975	-0.00803	0.86254	-0.04009	0.38732	-0.01882	0.68505	0.103943
-0.0652	0.15952	-0.09932	0.03189	-0.03118	0.50151	-0.10068	0.02959	0.161607
-0.05629	0.22469	-0.01624	0.7263	-0.08506	0.06627	0.056451	0.22337	0.242572
-0.08082	0.08102	-0.05919	0.20168	-0.1304	0.00477	0.095635	0.03884	0.142676
-0.05252	0.25731	-0.10536	0.02278	-0.07381	0.11118	-0.03159	0.49593	0.235148
-0.05085	0.27279	-0.15021	0.00113	0.023168	0.6175	-0.14923	0.00122	0.303957
-0.09859	0.03316	-0.08167	0.07786	-0.12659	0.00615	0.052154	0.26067	0.121472
-0.01603	0.72972	-0.01711	0.71228	-0.03325	0.47347	0.052137	0.26083	0.252025
-0.10412	0.02444	-0.04309	0.35285	-0.12696	0.00601	-0.01046	0.82156	0.054831
-0.05714	0.21777	-0.15081	0.00108	-0.14349	0.00188	-0.0905	0.05065	0.068722
-0.03715	0.42322	0.018215	0.6946	-0.083	0.07314	0.117445	0.01108	0.12633
-0.10211	0.02735	-0.01492	0.74769	-0.18215	7.53E-05	0.03	0.51782	0.011377
-0.06916	0.13561	-0.22314	1.11E-06	-0.01287	0.78151	-0.21474	2.83E-06	0.261626
-0.1445	0.00174	-0.23147	4.25E-07	-0.26295	7.97E-09	-0.16804	0.00026	-0.00379
-0.14531	0.00164	-0.01246	0.78825	-0.10399	0.02462	0.036687	0.42897	0.071023
0.006577	0.88727	-0.1869	4.82E-05	0.024126	0.60303	-0.22083	1.44E-06	0.28409
-0.06539	0.15829	-0.04515	0.33025	0.008266	0.8586	0.012459	0.78829	0.089655
-0.00275	0.95279	0.018727	0.68648	0.04357	0.34749	0.049514	0.28562	0.318866
-0.03602	0.43747	-0.01128	0.80798	-0.00434	0.92548	-0.07196	0.12046	0.158976
-0.05893	0.20365	-0.0326	0.48217	0.048795	0.29267	0.071083	0.12505	0.26632
0.021197	0.64774	-0.02564	0.58052	0.106943	0.02081	0.009422	0.83908	0.266243
0.024465	0.59795	-0.04535	0.3281	0.0602	0.19407	-0.00185	0.96814	0.262485
0.065308	0.15882	0.002046	0.96483	0.125474	0.00663	-0.06663	0.15053	0.171565
-0.05792	0.21156	0.00555	0.90479	-0.10902	0.01845	0.07827	0.09113	0.192931
-0.02948	0.52505	-0.08511	0.0661	-0.03207	0.48932	0.014947	0.74732	0.261702
0.003429	0.94108	0.047506	0.30563	-0.00181	0.96895	-0.02251	0.62746	0.051586
0.045469	0.32686	0.151701	0.00101	0.121805	0.00841	0.183105	6.89E-05	0.140754
-0.08266	0.07434	-0.08021	0.08335	-0.07704	0.09634	-0.06915	0.13566	0.172054
0.074914	0.10591	-0.09873	0.03292	0.110802	0.0166	-0.13626	0.00317	0.164745
-0.14084	0.00228	0.014621	0.75266	-0.08731	0.05937	-0.03186	0.49218	0.037862
-0.10468	0.02368	-0.05478	0.2374	-0.10255	0.02669	-0.05566	0.22993	0.194794
-0.08437	0.06851	-0.12742	0.00582	-0.11493	0.01295	-0.07464	0.10721	0.150238
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-0.05723	0.21703	-0.11676	0.01156	-0.00451	0.92254	-0.1521	0.00098	0.098924
-0.02357	0.61135	-0.03961	0.39304	-0.01235	0.79009	-0.04697	0.3111	0.212599
-0.03243	0.48446	-0.0804	0.08263	0.074213	0.10923	-0.11168	0.01576	0.212574
-0.05009	0.28008	-0.02613	0.57329	-0.00086	0.98518	-0.00197	0.96617	0.275223
-0.02589	0.57686	-0.11562	0.01241	0.005726	0.90178	-0.09673	0.03664	0.31304
-0.03336	0.47206	-0.18538	5.57E-05	0.023926	0.60605	-0.15146	0.00103	0.254881
-0.04354	0.34777	-0.05527	0.23318	-0.01193	0.79716	-0.04082	0.37875	0.344692
-0.02976	0.52116	0.139809	0.00246	-0.01135	0.80675	0.117895	0.01078	0.082013
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0.051682	0.26502	0.022876	0.62194	0.049597	0.2848	-0.02334	0.61486	0.078708



0.045724	0.32415	-0.05632	0.22442	0.092131	0.04661	0.005042	0.91346	0.275403
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0.030227	0.51465	-0.00991	0.83084	0.024458	0.59806	-0.05709	0.21814	0.071747
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0.028613	0.53736	-0.04614	0.31971	-0.01724	0.71015	-0.0948	0.04059	0.060674
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-0.08396	0.06988	0.022267	0.63125	-0.17656	0.00013	-0.03726	0.42184	-0.36118
0.069398	0.13426	0.065438	0.15799	0.07506	0.10523	0.113642	0.014	0.22789
-0.0551	0.2347	0.061052	0.18783	-0.03284	0.479	-0.03935	0.39625	-0.15815
-0.07407	0.1099	0.037307	0.4212	-0.17619	0.00013	-0.00192	0.96702	-0.00054
0.194467	2.32E-05	0.011214	0.80902	0.118494	0.01038	0.047233	0.30842	0.164563
0.038428	0.40738	-0.03908	0.39951	0.115237	0.0127	-0.03734	0.42076	0.306795
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0.040552	0.38193	-0.16396	0.00037	0.072331	0.11854	-0.17998	9.19E-05	0.222639
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-0.01528	0.74188	-0.03204	0.48973	-0.02433	0.59992	0.013301	0.77436	0.198775
-0.04204	0.36474	-0.0361	0.43643	-0.06401	0.16731	-0.0816	0.07814	0.128546
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-0.01788	0.69999	-0.01649	0.72221	-0.05243	0.25816	0.079414	0.08648	0.231718
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0.011706	0.80081	-0.00295	0.94931	-0.0537	0.24679	-0.07755	0.09416	0.057696
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-0.08615	0.06285	-0.00826	0.85874	-0.0508	0.27326	0.073675	0.11183	0.166553
0.013008	0.7792	0.094553	0.04111	-0.02322	0.61673	0.131414	0.00445	0.112208
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0.002177	0.96257	-0.09213	0.04661	0.002522	0.95666	-0.08773	0.05816	0.229415
-0.06292	0.17467	-0.05963	0.19832	-0.09239	0.046	0.087551	0.05868	0.128943
0.017209	0.71069	0.030941	0.50477	-0.07966	0.08552	0.06534	0.15862	0.131223
0.056825	0.22031	0.035696	0.44156	-0.01876	0.68594	0.066094	0.15386	0.202922
0.00925	0.84197	-0.12872	0.00534	0.005584	0.90421	-0.14019	0.00239	0.121177
-0.03632	0.43358	0.014079	0.76155	-0.0689	0.13711	0.029565	0.52391	0.210909
0.005721	0.90187	-0.03902	0.40019	-0.00533	0.90862	-0.05478	0.23736	-0.02082
-0.07073	0.12694	0.093004	0.04456	-0.01158	0.80297	0.075211	0.10453	-0.01265
-0.0915	0.04815	-0.08039	0.08266	-0.16255	0.00042	0.062051	0.18069	0.155076
0.043427	0.34907	-0.07468	0.10702	-0.00832	0.85772	-0.08528	0.06559	0.170824
-0.06462	0.16328	-0.02593	0.57621	-0.09513	0.03988	-0.00357	0.93867	0.063377
-0.03446	0.45752	0.022442	0.62857	0.005478	0.90602	-0.01511	0.74464	0.049818
-0.07366	0.11191	-0.2697	3.17E-09	-0.2618	9.32E-09	-0.12309	0.00774	0.101876
-0.02509	0.5886	0.018208	0.69473	-0.09034	0.05106	0.046735	0.31355	0.168257
-0.00556	0.90461	-0.10452	0.0239	-0.02571	0.57937	-0.15116	0.00105	0.171595
-0.09615	0.03779	-0.00561	0.90384	-0.15729	0.00065	0.038863	0.40208	0.092642
-0.08691	0.06058	0.090161	0.05152	-0.09213	0.04661	0.075282	0.10421	-0.12186
-0.11013	0.01728	-0.07821	0.09136	-0.13387	0.00375	-0.07484	0.10628	0.004756
-0.00718	0.87707	-0.07186	0.12096	-0.16261	0.00042	-0.12271	0.00794	-0.12312
0.042156	0.36337	-0.00667	0.88566	-0.07651	0.09864	0.018649	0.68771	0.105294
-0.07015	0.13006	-0.00304	0.94769	-0.08154	0.07836	0.063447	0.17106	0.198594
-0.06369	0.16942	-0.06568	0.15644	0.030568	0.50992	-0.08045	0.08243	0.175751
-0.11379	0.01388	-0.07368	0.11181	-0.04901	0.29059	-0.00693	0.88128	0.08406
0.068809	0.13761	0.119537	0.00972	-0.02046	0.65917	0.025627	0.58067	-0.2195
-0.08156	0.07827	-0.01585	0.73269	-0.09717	0.0358	0.109318	0.01812	0.129045
-0.00282	0.95156	-0.15522	0.00076	0.065909	0.15502	-0.22351	1.07E-06	0.170438
-0.06242	0.17811	0.014133	0.76066	-0.08873	0.05536	0.073249	0.11392	0.173689
-0.07153	0.12271	-0.02163	0.64106	-0.16475	0.00035	0.076585	0.09833	0.090155
-0.07622	0.09997	-0.10981	0.0176	0.090514	0.05061	-0.14487	0.0017	0.212374
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0.004317	0.92587	-0.00412	0.92918	0.018497	0.69012	-0.08204	0.07652	0.13049
0.035086	0.4494	-0.03669	0.42899	0.108364	0.01916	-0.04872	0.29347	0.306409
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-0.11377	0.01389	-0.17623	0.00013	-0.21775	2.03E-06	-0.15315	0.0009	-0.03046

0.01166	0.80157	-0.07357	0.11232	0.013751	0.76694	-0.06995	0.13117	0.182605
0.033705	0.46745	0.055339	0.23264	0.063819	0.16856	0.167156	0.00029	0.260183
-0.1007	0.02957	-0.03179	0.49315	-0.13302	0.00398	0.035241	0.44739	0.022701
-0.03633	0.43347	-0.00916	0.84355	-0.04718	0.30893	0.136384	0.00314	0.176675
-0.11513	0.01279	0.014803	0.74968	-0.12593	0.00643	0.067137	0.14745	0.132279
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-0.03824	0.40972	0.012133	0.79371	-0.00244	0.95806	0.063245	0.17243	0.205475
0.012399	0.78929	-0.07472	0.10683	0.031788	0.49316	-0.08801	0.05737	0.227447
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-0.0116	0.80258	-0.06281	0.17543	-0.02006	0.66541	-0.02754	0.55277	0.195829
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-0.01594	0.73125	0.121916	0.00835	0.077534	0.09422	0.232399	3.81E-07	0.297191
-0.01993	0.66748	0.065521	0.15747	0.146752	0.00147	0.082805	0.07382	0.300164
-0.06929	0.13486	-0.07948	0.08622	-0.07838	0.09069	-0.13616	0.0032	0.062391
-0.02963	0.52303	-0.01621	0.72688	0.062736	0.17592	-0.0193	0.67736	0.308872
-0.04229	0.36184	-0.06178	0.18262	0.056423	0.2236	-0.03761	0.41745	0.245859
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0.05867	0.20567	0.001894	0.96743	0.20957	4.93E-06	-0.02845	0.53972	0.239163
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-0.07445	0.10808	0.042218	0.36266	-0.18356	6.60E-05	0.093195	0.04412	0.092155
-0.09392	0.04249	-0.02109	0.64942	-0.15449	0.00081	0.11422	0.01352	0.175771

-0.11245	0.01505	-0.05659	0.2222	-0.10933	0.01811	0.013278	0.77473	0.124685
-0.10364	0.02511	0.020871	0.65281	-0.10839	0.01914	0.086828	0.06081	0.042811
-0.04575	0.32389	0.086957	0.06042	-0.00689	0.88192	0.030759	0.50728	-0.0997
-0.10146	0.02836	-0.20634	6.94E-06	-0.27242	2.16E-09	-0.08437	0.06852	0.113849
-0.05852	0.20687	-0.0438	0.34492	-0.06516	0.15979	-0.01155	0.80338	0.250912
-0.0711	0.12496	-0.01213	0.79379	-0.17324	0.00017	0.017755	0.70194	0.073023
-0.05913	0.20216	-0.06844	0.13971	-0.04769	0.30375	-0.03438	0.45852	0.226522
-0.02431	0.6003	-0.10607	0.02187	0.005599	0.90395	-0.12367	0.00746	0.261777
-0.01514	0.74423	0.05417	0.24267	0.000419	0.9928	0.034159	0.46147	-0.11641
0.01911	0.68041	-0.1244	0.00711	0.037562	0.41803	-0.0886	0.0557	0.215561
-0.13031	0.00479	-0.0752	0.10461	-0.27098	2.65E-09	-0.00027	0.99528	0.054493
-0.0051	0.91252	-0.03781	0.41494	0.09001	0.05191	-0.04194	0.3658	0.321432
-0.10278	0.02635	-0.03468	0.45464	-0.04859	0.29471	0.056731	0.22108	0.159027
-0.12389	0.00735	-0.16412	0.00037	-0.15184	0.001	-0.18384	6.43E-05	0.129351
-0.03784	0.41459	-0.11368	0.01397	-0.03025	0.51436	0.025025	0.58959	0.332128
-0.028	0.54617	0.048273	0.29788	-0.05287	0.25418	0.105689	0.02236	0.210937
-0.0408	0.37905	-0.1474	0.0014	0.043932	0.34349	-0.14729	0.00141	0.245868
-0.00881	0.84939	-0.06597	0.15463	-0.16277	0.00041	-0.06533	0.15871	0.045644
0.093805	0.04275	0.163496	0.00039	0.077207	0.09562	0.226131	7.90E-07	0.229453
0.006921	0.88143	-0.06377	0.16888	0.01639	0.72389	0.011215	0.809	0.291709
-0.07561	0.10269	0.009865	0.83163	-0.12176	0.00844	0.071466	0.12302	0.178636
-0.08576	0.06406	-0.15857	0.00058	-0.11169	0.01574	-0.14562	0.0016	0.177897
-0.0058	0.90047	-0.07404	0.11006	0.039561	0.39368	-0.14581	0.00158	0.122022
-0.0424	0.36058	-0.13266	0.00408	0.061019	0.18806	-0.08754	0.05871	0.280771
-0.02071	0.65534	0.046091	0.32027	-0.08166	0.07792	0.038766	0.40326	0.015855
0.055797	0.22879	-0.05073	0.27392	0.106254	0.02165	-0.06058	0.19127	0.230849
-0.01172	0.80057	0.064137	0.16644	0.041424	0.37177	0.036124	0.43609	0.231496
-0.15626	0.0007	-0.09967	0.03128	-0.23602	2.47E-07	-0.14432	0.00177	-0.117
-0.04514	0.33042	-0.0205	0.65866	-0.14178	0.00213	0.018889	0.68391	0.127671
-0.07563	0.1026	-0.1433	0.00191	-0.06748	0.14542	-0.1769	0.00012	0.12793
0.025138	0.58791	-0.13067	0.00468	-0.0242	0.60185	-0.08272	0.07413	0.266234
-0.22042	1.51E-06	-0.27171	2.39E-09	-0.19797	1.64E-05	-0.15912	0.00056	0.156304
-0.07196	0.12045	0.082652	0.07436	0.015003	0.74642	0.230966	4.51E-07	0.216469
-0.03158	0.496	-0.04763	0.30439	-0.15959	0.00054	-0.04619	0.31923	-0.10207
-0.11142	0.016	-0.13747	0.00291	-0.20767	6.04E-06	-0.1467	0.00148	0.124993
0.010552	0.82009	-0.04284	0.35563	0.059111	0.20227	-0.02715	0.55841	0.306491
0.074322	0.10871	-0.09439	0.04147	0.128825	0.0053	-0.01754	0.70541	0.166757
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0.040103	0.38722	-0.05138	0.26778	0.008908	0.84775	0.022909	0.62145	0.015004
-0.03626	0.43436	-0.06858	0.13892	-0.05722	0.21713	-0.07768	0.0936	0.165967
-0.02949	0.52492	0.016624	0.72011	-0.12551	0.00661	0.024888	0.59164	0.062738
-0.05407	0.24352	-0.10959	0.01784	-0.06094	0.18864	-0.07778	0.09316	0.233771
-0.07379	0.11126	0.043043	0.35335	-0.05567	0.22986	0.059583	0.19869	0.063634
-0.05093	0.27204	-0.13027	0.00481	-0.03168	0.49461	-0.03633	0.43344	0.239526
-0.0381	0.41135	-0.01535	0.74072	-0.06625	0.15287	-0.07138	0.12346	0.029727

-0.07656	0.09845	0.076912	0.0969	-0.11742	0.0111	0.137525	0.0029	0.163064
0.056423	0.2236	0.048918	0.29146	-0.00482	0.9172	0.122018	0.0083	0.116605
-0.13897	0.00262	-0.12895	0.00526	-0.12973	0.00499	-0.05341	0.24939	0.069303
-0.0215	0.64305	0.117634	0.01096	0.12614	0.00634	0.184132	6.26E-05	0.225614
0.036325	0.43354	0.159069	0.00056	0.021425	0.64422	0.160051	0.00052	-0.02197
-0.0555	0.23125	0.000442	0.9924	-0.10531	0.02285	0.04668	0.31412	0.046529
0.031945	0.49103	-0.12673	0.0061	0.07919	0.08737	-0.21096	4.26E-06	0.221331
-0.13512	0.00344	-0.1021	0.02737	-0.24283	1.08E-07	-0.11626	0.01193	0.024367
-0.03252	0.48321	-0.12736	0.00585	-0.02911	0.53027	-0.09827	0.03375	0.110078
-0.03203	0.48985	-0.22341	1.08E-06	-0.18908	3.92E-05	-0.06798	0.14242	0.192621
0.008249	0.85888	-0.07361	0.11214	0.01376	0.76679	0.025065	0.589	0.312483
-0.07879	0.089	-0.19635	1.92E-05	-0.16899	0.00024	-0.17269	0.00018	0.043302
-0.00759	0.86999	-0.10422	0.0243	0.061939	0.18148	-0.17522	0.00014	0.202011
-0.04912	0.28943	-0.23445	2.98E-07	-0.20801	5.82E-06	-0.26459	6.39E-09	0.041491
0.067235	0.14686	0.305878	1.43E-11	0.168482	0.00025	0.245278	7.94E-08	-0.14679
-0.12372	0.00744	-0.19285	2.72E-05	-0.19859	1.54E-05	-0.22504	8.96E-07	-0.06422
0.009952	0.83016	0.059257	0.20116	0.022731	0.62416	-0.0569	0.21968	-0.20594
-0.15851	0.00059	-0.16165	0.00045	-0.14355	0.00187	-0.03648	0.43164	0.176164
-0.0616	0.18391	0.037961	0.41311	-0.19169	3.04E-05	0.086019	0.06326	0.013763
-0.065	0.16079	-0.0096	0.83605	-0.00497	0.91461	0.025165	0.58751	0.23303
-0.0808	0.08111	-0.09747	0.03523	-0.20226	1.06E-05	-0.04579	0.32345	0.092453
-0.04974	0.28342	-0.09454	0.04114	-0.03481	0.45293	-0.10363	0.02513	0.213209
0.0039	0.93301	0.016599	0.72052	-0.00492	0.91557	-0.04587	0.32265	-0.04958
0.043524	0.34799	-0.11598	0.01214	0.120916	0.00891	-0.13556	0.00333	0.361227
0.119885	0.00951	0.130956	0.00459	0.153313	0.00089	0.152835	0.00092	-0.02426
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0.013274	0.77481	0.018138	0.69584	0.093739	0.04289	-0.01716	0.71145	0.225373
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-0.04815	0.29908	-0.06127	0.18625	-0.05732	0.21628	0.006179	0.89405	0.277441
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0.025347	0.58481	0.047127	0.3095	0.128558	0.0054	-0.03485	0.45245	0.158324
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0.005164	0.91137	-0.0562	0.22544	-0.10444	0.02401	-0.15314	0.0009	0.126386
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0.024037	0.60437	-0.14164	0.00215	-0.03306	0.47605	-0.13037	0.00477	0.274876
-0.03104	0.50341	-0.11881	0.01018	0.000307	0.99472	-0.09255	0.04562	0.340573
0.074899	0.10598	-0.03366	0.46801	0.081601	0.07813	-0.08318	0.07251	0.056972
0.050557	0.27558	-0.06066	0.19066	0.030848	0.50604	-0.03146	0.4977	0.22723
-0.02886	0.53389	-0.01449	0.75479	-0.02859	0.53771	0.013002	0.7793	0.091192
-0.11373	0.01393	-0.10118	0.02879	-0.04978	0.28302	0.024639	0.59535	0.236267
-0.13811	0.00278	-0.12772	0.00571	-0.20344	9.38E-06	-0.03997	0.38885	0.15888
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-0.09236	0.04605	-0.07687	0.09709	-0.12195	0.00834	-0.06301	0.17402	0.114455
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0.053987	0.24427	-0.13552	0.00334	-0.00104	0.98211	-0.00324	0.94439	0.353885
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0.001761	0.96972	-0.02026	0.66236	0.01793	0.69916	-0.01533	0.74111	0.07949
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-0.02569	0.57969	0.032221	0.48729	0.001839	0.96839	-0.01955	0.67341	0.015336
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-0.02697	0.56104	-0.07059	0.1277	-0.03408	0.46247	-0.02679	0.56362	0.340843
-0.00683	0.88296	0.029357	0.52684	-0.0907	0.05014	0.041336	0.37279	0.054602
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0.015088	0.74503	-0.02467	0.5949	0.023372	0.61441	-0.07774	0.09334	0.11617
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-0.06521	0.15948	-0.12957	0.00504	-0.08379	0.07046	-0.18201	7.62E-05	0.091828
-0.12165	0.0085	0.025976	0.57553	-0.13091	0.0046	0.036521	0.43106	0.01026
-0.09601	0.03808	-0.10411	0.02445	-0.07688	0.09704	-0.07022	0.12972	0.185908
0.019271	0.67787	-0.15447	0.00081	0.00309	0.94689	-0.05617	0.2257	0.292379
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0.127411	0.00583	-0.0179	0.6996	0.05261	0.25652	-0.0593	0.20084	-0.00953
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0.036576	0.43037	-0.10095	0.02916	-0.11246	0.01504	-0.0587	0.20545	0.181939
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0.011154	0.81003	0.022025	0.63497	0.035754	0.44081	0.050891	0.27241	0.252576
0.104756	0.02358	-0.05128	0.26875	0.163475	0.00039	-0.05709	0.21816	0.301179
0.016752	0.71804	0.233037	3.53E-07	0.093179	0.04416	0.126072	0.00637	-0.17575



-0.04993	0.28158	0.012055	0.79499	-0.0498	0.2828	0.066914	0.1488	0.110158
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0.07329	0.11372	-0.09972	0.0312	0.012969	0.77984	-0.0831	0.07279	0.162995
0.048227	0.29834	-0.06054	0.19157	-0.0176	0.70446	-0.06071	0.19033	0.173461
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0.014534	0.75408	-0.06635	0.15226	-0.03601	0.4375	-0.08228	0.07567	0.071324
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-0.02594	0.57609	-0.05827	0.20875	0.040904	0.37781	0.026616	0.56615	0.250968
-0.12168	0.00848	-0.05843	0.20756	-0.09252	0.04568	-0.07323	0.11403	0.164714
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0.074155	0.10951	-0.12618	0.00633	-0.03526	0.44719	-0.09041	0.05088	0.146023
0.072242	0.11899	-0.06039	0.19264	0.030701	0.50808	-0.05525	0.23338	0.110562
-0.14249	0.00202	-0.08677	0.06097	-0.14233	0.00205	-0.14458	0.00173	0.047764
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0.066629	0.15054	-0.05046	0.27652	0.011155	0.81	-0.13183	0.00432	0.024039
6.23E-05	0.99893	-0.01242	0.78889	-0.11172	0.01572	-0.09232	0.04616	-0.08689
-0.00026	0.99556	-0.14619	0.00154	-0.08641	0.06206	-0.18654	4.99E-05	0.01113
0.004757	0.91834	0.042778	0.35632	-0.06583	0.15552	-0.06502	0.16065	-0.04869
0.013219	0.77572	-0.10663	0.02118	0.087965	0.0575	-0.22378	1.03E-06	-0.00606
0.073893	0.11077	0.02324	0.61641	0.009263	0.84176	-0.10417	0.02438	0.023238
0.055703	0.22958	0.07712	0.096	0.1406	0.00232	-0.13789	0.00283	-0.04963
0.036752	0.42815	0.033995	0.46363	0.047064	0.31016	-0.0854	0.06519	-0.01971
0.021155	0.64839	-0.10104	0.02902	0.142224	0.00206	-0.21447	2.91E-06	0.075569
0.03247	0.48394	0.068682	0.13834	0.106586	0.02124	-0.12406	0.00727	0.088983
0.003022	0.94808	-0.01967	0.67159	0.071236	0.12423	-0.10637	0.0215	0.068255
-0.11295	0.0146	-0.02204	0.63468	-0.08651	0.06175	0.165935	0.00032	0.125477
0.00224	0.96149	-0.12231	0.00814	0.034282	0.45986	-0.25545	2.16E-08	0.110438
0.114883	0.01298	0.242344	1.14E-07	0.103324	0.02556	0.171195	0.0002	-0.06273
-0.09061	0.05036	-0.09927	0.03196	-0.20877	5.37E-06	-0.00362	0.93773	0.016673
-0.03777	0.41541	0.144012	0.00181	0.074981	0.1056	0.217683	2.05E-06	-0.13459
0.066009	0.15439	-0.04685	0.31235	0.141574	0.00216	-0.15748	0.00064	0.057624
0.036467	0.43174	-0.1596	0.00054	0.106861	0.0209	-0.28667	2.77E-10	0.170222
0.031388	0.49863	-0.12215	0.00823	0.081044	0.08019	-0.2607	1.08E-08	0.10119
0.062401	0.17824	-0.05198	0.26223	0.194508	2.31E-05	-0.20798	5.84E-06	0.106107
0.033783	0.46642	0.000583	0.98997	0.09311	0.04431	-0.11604	0.01209	0.168965
0.054584	0.23908	-0.05428	0.2417	0.151188	0.00105	-0.16063	0.00049	0.164374
0.029649	0.52274	-0.04632	0.31791	0.144453	0.00175	-0.12554	0.0066	0.176968

0.054214	0.24228	-0.05198	0.26226	-0.0375	0.41882	-0.15789	0.00062	0.04989
0.042604	0.35828	-0.11491	0.01296	-0.0973	0.03556	-0.16942	0.00024	-0.13277
0.010613	0.81907	-0.07947	0.08626	0.081772	0.07751	-0.18588	5.31E-05	0.02397
0.068429	0.1398	-0.06193	0.18151	-6.02E-05	0.99896	-0.1094	0.01803	0.121831
0.118539	0.01035	0.107905	0.01968	0.156717	0.00068	-0.02188	0.63714	0.099674
0.034408	0.45821	-0.07451	0.10784	0.017911	0.69945	-0.1884	4.18E-05	0.051392
0.192397	2.84E-05	0.233161	3.48E-07	0.372742	7.70E-17	0.065529	0.15741	0.126815
0.041108	0.37543	-0.00597	0.8977	-0.00245	0.9578	-0.05592	0.2278	0.009011
0.058437	0.20748	-0.00557	0.90438	0.04452	0.33706	-0.06298	0.17422	0.120409
-0.03956	0.39374	-0.0668	0.14949	0.068453	0.13966	-0.17525	0.00014	0.149105
-0.00292	0.94986	-0.06473	0.16258	0.017927	0.69921	-0.20262	1.02E-05	0.123956
0.060683	0.19051	-0.04892	0.29143	0.107578	0.02006	-0.21563	2.57E-06	0.044647
0.030467	0.51132	0.070962	0.12569	0.009864	0.83164	-0.04508	0.33098	0.046845
0.077482	0.09444	0.010986	0.81282	0.205847	7.31E-06	-0.05214	0.2608	0.243
0.001069	0.98163	0.018204	0.69478	-0.06665	0.15041	-0.07508	0.10514	-0.01035
0.034307	0.45954	-0.08723	0.05961	0.109519	0.01791	-0.23818	1.90E-07	0.10235
-0.00976	0.83345	0.033744	0.46693	-0.00275	0.95274	-0.04246	0.35993	-0.05738
0.00734	0.87431	-0.06671	0.15003	-0.04177	0.36779	-0.14262	0.002	-0.07606
-0.03029	0.51379	-0.11129	0.01613	-0.01779	0.70137	-0.13814	0.00278	0.041349
-0.02673	0.5645	-0.10341	0.02543	0.04675	0.3134	-0.22919	5.55E-07	0.088028
0.021398	0.64463	-0.10992	0.01749	0.099129	0.03221	-0.24837	5.38E-08	0.068748
0.052538	0.25718	-0.04526	0.3291	0.163542	0.00039	-0.12627	0.00629	0.20973
0.012936	0.78038	-0.07457	0.10751	0.028135	0.54419	-0.1768	0.00012	0.117093
-0.00659	0.88705	-0.07013	0.13021	-0.0076	0.86984	-0.17802	0.00011	-0.01194
0.060864	0.18919	0.0752	0.10458	0.148643	0.00128	-0.09927	0.03196	-0.00581
0.078106	0.09181	0.000404	0.99306	0.133691	0.0038	-0.108	0.01957	0.038922
0.023897	0.60647	-0.03107	0.503	-0.09852	0.03329	-0.09269	0.04528	0.078517
0.028283	0.54208	-0.12078	0.00898	0.072391	0.11823	-0.26325	7.66E-09	-0.0181
0.021787	0.63863	0.168567	0.00025	0.114039	0.01367	0.30021	3.51E-11	0.037074
0.032676	0.48117	-0.06329	0.17212	0.129953	0.00491	-0.19924	1.44E-05	0.016309
-0.04103	0.37631	-0.16165	0.00045	0.050227	0.27872	-0.23317	3.47E-07	0.249035
0.060374	0.19279	-0.01558	0.73699	0.146564	0.00149	-0.10396	0.02466	0.167527
0.003343	0.94257	-0.11642	0.01181	-0.03238	0.48518	-0.20303	9.78E-06	0.140953
0.066623	0.15058	-0.06614	0.1536	0.131289	0.00448	-0.17105	0.0002	0.087003
0.045648	0.32495	-0.0309	0.50534	-0.07077	0.12672	-0.08885	0.05503	-0.11011
0.046482	0.31619	-0.05027	0.27829	0.110526	0.01688	-0.2231	1.12E-06	0.071372
0.229647	5.26E-07	0.073557	0.1124	0.366341	2.80E-16	0.017745	0.7021	0.093922
0.025774	0.57849	-0.08728	0.05948	0.018276	0.69364	-0.1291	0.00521	0.044577
-0.02996	0.5184	-0.07457	0.10751	-0.08832	0.05648	-0.14921	0.00122	-0.0045
0.019595	0.67277	0.298353	4.68E-11	0.166756	0.0003	0.340578	3.80E-14	0.137004
-0.01531	0.74134	0.018163	0.69543	-0.00367	0.93702	-0.0806	0.08187	-0.0342
0.026885	0.56223	0.046678	0.31414	-0.01895	0.68302	-0.07394	0.11054	-0.03537
0.035677	0.44179	-0.07265	0.11693	0.178867	0.0001	-0.15549	0.00075	0.240308
-0.06336	0.17163	0.125379	0.00667	-0.0311	0.50264	0.162579	0.00042	-0.12021
0.084285	0.06879	-0.02785	0.54829	0.216136	2.43E-06	-0.15675	0.00068	0.120689

0.050342	0.27763	0.042418	0.36039	0.144913	0.00169	-0.06035	0.19296	0.079057
0.055768	0.22903	0.112174	0.0153	0.143983	0.00181	0.019473	0.67469	0.222133
0.137113	0.00299	0.044299	0.33947	0.331195	2.04E-13	-0.08505	0.06632	0.16575
0.002283	0.96076	-0.1452	0.00166	0.082847	0.07368	-0.2684	3.79E-09	0.086127
0.004174	0.92833	-0.06581	0.15566	0.134207	0.00367	-0.24585	7.39E-08	0.166932
-0.0299	0.51918	-0.13747	0.00291	0.005667	0.90279	-0.20567	7.44E-06	0.030264
-0.00205	0.96472	-0.05094	0.27199	0.094905	0.04036	-0.16553	0.00033	0.165261
0.06517	0.15971	-0.0855	0.06487	0.125046	0.00682	-0.13253	0.00412	0.291854
0.100875	0.02928	0.111782	0.01566	0.267082	4.54E-09	-0.06901	0.13649	0.047193
0.031547	0.49646	-0.03522	0.44771	0.087398	0.05913	-0.18902	3.94E-05	0.089176
0.04243	0.36026	-0.12505	0.00682	0.081094	0.08001	-0.22029	1.53E-06	0.146323
0.02045	0.65937	-0.06329	0.17213	0.146205	0.00153	-0.15322	0.00089	0.076933
-0.02324	0.61645	-0.09103	0.04931	0.022781	0.6234	-0.18208	7.58E-05	0.156041
0.032648	0.48154	0.091526	0.04807	0.083154	0.07261	-0.06851	0.13934	-0.05285
0.001708	0.97063	-0.09947	0.03162	-0.03733	0.42094	-0.19357	2.53E-05	-0.04313
0.047507	0.30562	-0.05905	0.20271	-0.08141	0.07882	-0.1892	3.87E-05	-0.01017
0.056612	0.22205	0.088658	0.05555	-0.00991	0.83086	-0.05715	0.21765	-0.01898
0.024037	0.60437	-0.10743	0.02023	0.139491	0.00252	-0.27511	1.48E-09	0.099529
0.072827	0.11602	0.019719	0.67081	0.145811	0.00158	-0.05814	0.2098	0.094311
0.088664	0.05553	-0.00384	0.93399	0.189233	3.86E-05	-0.10428	0.02422	0.081556
0.061487	0.18469	-0.08252	0.07484	0.143939	0.00182	-0.17551	0.00014	0.173606
-0.0155	0.73836	-0.02403	0.60441	-0.00089	0.98472	-0.08926	0.05391	0.021253
-0.00737	0.87381	-0.13969	0.00248	0.062467	0.17778	-0.19801	1.63E-05	0.107888
0.098734	0.03291	0.03331	0.47269	0.146673	0.00148	0.033424	0.47118	0.252786
0.012501	0.7876	-0.10666	0.02115	0.041681	0.3688	-0.21008	4.67E-06	0.092672
0.022925	0.6212	-0.05096	0.27178	0.149862	0.00116	-0.11511	0.0128	0.209938
-0.02295	0.62089	-0.03167	0.4948	0.112183	0.01529	-0.17344	0.00017	0.030495
0.039964	0.38887	-0.13631	0.00316	-0.02268	0.625	-0.2039	8.94E-06	0.176641
0.04347	0.3486	-0.10987	0.01755	0.08683	0.0608	-0.20038	1.28E-05	0.138629
-0.02234	0.63008	-0.05301	0.25288	0.111743	0.0157	-0.1231	0.00774	0.15834
0.011071	0.81141	-0.13106	0.00456	-0.07767	0.09364	-0.20567	7.44E-06	-0.03734
0.045174	0.33	0.085494	0.0649	0.133903	0.00374	-0.04245	0.36002	4.84E-05
0.08663	0.0614	-0.0616	0.18388	0.009747	0.83361	-0.09526	0.03962	0.162826
0.084879	0.06686	-0.06822	0.14101	0.172305	0.00018	-0.22213	1.25E-06	0.023342
0.07343	0.11303	0.034406	0.45824	0.164114	0.00037	-0.03467	0.4548	0.244666
0.054464	0.24012	0.024726	0.59405	0.052144	0.26076	-0.07372	0.11162	0.128876
-0.00037	0.99363	-0.05542	0.23197	0.0005	0.9914	-0.18088	8.46E-05	0.083579
0.030912	0.50516	-0.24783	5.76E-08	-0.01316	0.77662	-0.32028	1.34E-12	0.062705
-0.02179	0.63853	-0.03884	0.40239	2.17E-05	0.99963	-0.116	0.01213	0.080033
-0.00179	0.96928	-0.1124	0.01509	-0.10776	0.01984	-0.15829	0.0006	-0.11274
0.062077	0.18051	-0.16537	0.00033	0.064395	0.16474	-0.28046	6.88E-10	0.006626
0.041901	0.36628	0.108309	0.01922	0.199389	1.42E-05	0.040725	0.3799	0.237457
0.014161	0.7602	-0.07878	0.08903	0.005905	0.89874	-0.2308	4.60E-07	0.045548
0.076843	0.0972	-0.07337	0.11332	-0.03743	0.41972	-0.1734	0.00017	0.132721
0.00407	0.93009	-0.01877	0.68578	-0.01553	0.73782	-0.11099	0.01641	-0.03775

0.098436	0.03345	-0.0284	0.54043	0.157585	0.00063	-0.1061	0.02184	0.190659
-0.03936	0.39605	-0.08322	0.07239	-0.09592	0.03826	-0.23731	2.12E-07	-0.09577
0.00604	0.89642	-0.10222	0.02718	0.120791	0.00898	-0.18147	8.02E-05	0.266736
0.076356	0.09934	0.046328	0.31779	0.085402	0.06519	-0.06235	0.17859	-0.02255
0.075064	0.10521	-0.0887	0.05543	0.188033	4.33E-05	-0.24807	5.59E-08	0.136092
0.101189	0.02878	0.024313	0.60023	0.228357	6.11E-07	-0.12383	0.00738	-0.01865
0.066319	0.15246	-0.03019	0.51513	0.132953	0.004	-0.22431	9.73E-07	-0.00746
0.113419	0.01419	-0.02746	0.5539	0.178117	0.00011	-0.12041	0.0092	0.112138
0.074541	0.10767	0.005435	0.90676	0.067264	0.14669	-0.06892	0.13698	0.030147
0.04085	0.37844	0.042578	0.35859	0.087784	0.05801	-0.04894	0.29121	0.183962
-0.03036	0.51283	-0.14688	0.00146	-0.08528	0.06558	-0.28079	6.56E-10	-0.08379
0.063488	0.17078	-0.0584	0.20775	0.104028	0.02457	-0.23416	3.09E-07	0.015953
0.070715	0.12702	-0.0177	0.70279	0.05825	0.20894	-0.18796	4.36E-05	-0.00798
0.006607	0.88677	0.007677	0.86858	0.068535	0.13919	-0.15108	0.00106	0.018689
-0.00602	0.89675	-0.09208	0.04674	-0.00026	0.99556	-0.18228	7.44E-05	0.109715
0.008835	0.84899	-0.05167	0.26511	0.090859	0.04973	-0.10224	0.02716	0.152135
-0.04653	0.31564	-0.09279	0.04505	-0.07469	0.10697	-0.18781	4.43E-05	0.08682
0.109835	0.01758	0.021704	0.63991	0.17276	0.00018	-0.09964	0.03134	0.204807
-0.05691	0.21961	0.136385	0.00314	-0.00747	0.87205	0.281853	5.62E-10	0.000625
0.034985	0.45071	-0.12486	0.0069	0.063392	0.17143	-0.20228	1.06E-05	0.315167
0.082851	0.07366	0.047376	0.30696	0.145287	0.00164	-0.07079	0.12661	0.146571
0.009465	0.83835	-0.13094	0.00459	0.015423	0.73957	-0.18366	6.55E-05	0.168994
0.028531	0.53854	-0.08052	0.08219	0.115155	0.01277	-0.21588	2.50E-06	0.010304
0.044249	0.34002	-0.0799	0.08458	0.077114	0.09602	-0.22379	1.03E-06	0.113258
0.035601	0.44277	-0.03985	0.39018	0.17642	0.00013	-0.20662	6.74E-06	0.130205
0.084942	0.06665	-0.06406	0.16697	0.159705	0.00053	-0.21284	3.48E-06	0.037695
0.055864	0.22822	-0.15805	0.00061	0.077258	0.0954	-0.26112	1.02E-08	0.138849
0.16563	0.00032	0.209473	4.99E-06	0.191297	3.16E-05	0.130856	0.00462	0.111414
0.015454	0.73906	-0.21157	3.98E-06	0.020824	0.65353	-0.23402	3.14E-07	0.080074
0.051924	0.26278	0.116079	0.01206	0.098031	0.03418	-0.0609	0.18892	-0.09047
0.005124	0.91206	-0.1376	0.00289	0.093954	0.04242	-0.20998	4.72E-06	0.139264
0.051556	0.26619	-0.06354	0.17044	0.089619	0.05294	-0.21578	2.52E-06	0.125893
-0.00827	0.85856	0.005745	0.90145	0.104579	0.02381	-0.079	0.08814	0.169048
0.0389	0.40163	-0.00428	0.92647	0.099551	0.03148	-0.02187	0.6374	0.217439
-0.01578	0.73382	-0.09287	0.04487	0.000339	0.99416	-0.26539	5.73E-09	-0.12291
0.035572	0.44314	-0.01634	0.72468	0.167866	0.00027	-0.10806	0.0195	0.107726
0.006683	0.88546	-0.02218	0.63257	0.13975	0.00247	-0.17226	0.00018	0.182149
-0.00544	0.90675	-0.04205	0.36458	0.036658	0.42933	-0.21976	1.63E-06	0.061179
0.005246	0.90997	-0.12115	0.00877	0.061727	0.18298	-0.18786	4.40E-05	0.201639
0.163092	0.0004	-0.02651	0.56767	0.277672	1.03E-09	-0.10182	0.02779	0.172967
0.016082	0.72888	-0.0468	0.31288	-0.02295	0.6208	-0.1226	0.00799	0.036865
0.047747	0.30317	0.087457	0.05896	0.078877	0.08864	-0.0377	0.41637	-0.07558
0.083122	0.07272	0.019995	0.66648	0.257552	1.64E-08	-0.14844	0.00129	0.218401
-0.02441	0.5987	-0.14382	0.00183	0.075205	0.10456	-0.26876	3.61E-09	0.187715
-0.00711	0.8783	-0.05831	0.20846	0.070524	0.12805	-0.20957	4.93E-06	0.108228

0.036237	0.43466	-0.13115	0.00453	0.060411	0.19251	-0.20672	6.67E-06	0.190373
-0.00973	0.83385	-0.04993	0.28156	-0.02375	0.60863	-0.14731	0.00141	-0.14139
-0.00959	0.83621	0.016493	0.72222	0.013304	0.7743	-0.0205	0.65856	0.011609
0.007231	0.87615	0.068661	0.13846	0.118132	0.01062	-0.02088	0.65263	0.103287
0.068209	0.14108	-0.06227	0.17917	0.194204	2.38E-05	-0.11913	0.00997	0.275196
0.043206	0.35153	-0.10331	0.02558	-0.07901	0.0881	-0.1363	0.00316	0.087884
-0.02615	0.57295	-0.12541	0.00666	0.081462	0.07864	-0.24737	6.10E-08	0.161289
0.045713	0.32426	0.053547	0.24814	0.069001	0.13651	-0.05697	0.21912	0.061072
0.05503	0.23526	-0.00351	0.93963	0.230867	4.56E-07	-0.08454	0.06797	0.259509
0.02506	0.58907	-0.15083	0.00108	0.146097	0.00155	-0.27254	2.13E-09	0.161531
0.036726	0.42848	-0.06218	0.17979	0.153656	0.00086	-0.22531	8.69E-07	0.066889
0.061093	0.18753	0.004017	0.93101	0.140891	0.00228	-0.11969	0.00963	0.039568
0.000216	0.99629	-0.06477	0.16231	-0.0453	0.32863	-0.10482	0.0235	0.142819
0.025586	0.58127	-0.12154	0.00856	-0.08239	0.07527	-0.19893	1.49E-05	0.007543
0.001011	0.98261	-0.1787	0.0001	0.016975	0.71446	-0.29355	9.81E-11	0.053975
0.031982	0.49053	0.061012	0.18811	0.131503	0.00442	-0.06997	0.13107	0.04805
0.047396	0.30675	-0.10077	0.02946	0.051631	0.26549	-0.18667	4.93E-05	0.113008
0.015686	0.73529	-0.08245	0.07506	0.049333	0.28738	-0.18965	3.71E-05	0.007988
0.087158	0.05983	-0.02447	0.59784	0.086812	0.06086	-0.07375	0.11144	0.21155
0.020403	0.66009	-0.057	0.21889	0.123873	0.00736	-0.21568	2.55E-06	0.046928
0.014105	0.76111	-0.05713	0.21784	-0.07484	0.10626	-0.16128	0.00047	0.048503
-0.00492	0.91551	-0.12255	0.00802	0.139054	0.0026	-0.22997	5.06E-07	0.158599
0.004166	0.92845	-0.12703	0.00598	0.054353	0.24108	-0.25004	4.35E-08	0.142963
-0.02071	0.65535	-0.03237	0.48526	0.023308	0.61537	-0.12448	0.00707	0.084791
-0.05631	0.22456	-0.17927	9.81E-05	-0.08174	0.07762	-0.18901	3.94E-05	0.163798
0.097028	0.03607	0.063021	0.17396	0.112015	0.01544	-0.02248	0.62798	0.15748
0.004759	0.9183	-0.0308	0.50671	0.089406	0.05351	-0.17231	0.00018	0.064733
0.000837	0.9856	-0.05154	0.26632	0.037512	0.41866	-0.05271	0.25565	0.266789
0.039317	0.39661	-0.0565	0.22294	0.009865	0.83162	-0.11089	0.01652	0.119234
0.061044	0.18789	-0.13795	0.00281	0.131323	0.00447	-0.1813	8.15E-05	0.128817
0.082119	0.07625	0.173491	0.00016	0.217743	2.03E-06	0.030606	0.50939	0.115986
0.000592	0.98982	-0.09321	0.04409	0.040243	0.38557	-0.21816	1.94E-06	0.131555
0.143257	0.00191	-0.0337	0.46747	0.078965	0.08828	-0.12642	0.00623	0.1027
0.00066	0.98865	-0.12706	0.00597	0.041171	0.3747	-0.28238	5.21E-10	0.091759
-0.01029	0.82442	-0.07513	0.1049	-0.01457	0.75349	-0.16197	0.00044	0.126728
0.006476	0.88899	-0.09855	0.03325	0.159523	0.00054	-0.2192	1.73E-06	0.142804
-0.00752	0.87132	-0.1136	0.01403	-0.00833	0.85752	-0.17682	0.00012	0.110293
-0.01796	0.69868	-0.14413	0.00179	0.000358	0.99385	-0.24938	4.73E-08	0.072246
0.056441	0.22345	-0.11024	0.01716	0.112606	0.01491	-0.17923	9.84E-05	0.134522
-0.05367	0.24705	-0.1072	0.0205	-0.16031	0.00051	-0.17368	0.00016	0.052479
-0.05357	0.2479	-0.13688	0.00304	-0.01751	0.70589	-0.21844	1.88E-06	0.038652
-0.07496	0.10571	-0.00821	0.85961	0.012141	0.79357	-0.13814	0.00277	-0.03439
-0.10251	0.02675	-0.27052	2.83E-09	-0.28634	2.91E-10	-0.34019	4.08E-14	-0.0692
0.107123	0.02059	0.005019	0.91385	0.069766	0.13221	-0.14794	0.00135	-0.00845
-0.04421	0.34039	-0.07194	0.12054	-0.04047	0.38289	-0.22076	1.45E-06	-0.00816

0.073267	0.11383	-0.08032	0.08293	0.100421	0.03002	-0.21203	3.79E-06	0.131258
0.02255	0.62692	-0.18414	6.26E-05	-0.09669	0.03672	-0.27912	8.35E-10	0.033528
0.098361	0.03358	0.007705	0.86811	0.191393	3.13E-05	-0.09079	0.0499	0.237618
0.072618	0.11708	0.048084	0.29978	-0.0022	0.96222	-0.05636	0.22414	-0.06071
0.044677	0.33536	-0.09306	0.04444	0.104263	0.02424	-0.27327	1.92E-09	0.058679
0.051499	0.26672	0.070597	0.12765	0.119332	0.00985	-0.01624	0.72626	-0.01563
0.092711	0.04524	-0.06185	0.18214	0.249518	4.65E-08	-0.11417	0.01356	0.204342
0.023333	0.61499	-0.1202	0.00932	0.104538	0.02387	-0.21709	2.19E-06	0.263846
0.029886	0.51941	-0.06479	0.16216	0.157469	0.00064	-0.20309	9.73E-06	0.019878
-0.05411	0.24317	-0.08206	0.07646	-0.05116	0.26987	-0.1415	0.00218	-0.03286
0.126875	0.00604	-0.01426	0.75863	0.25341	2.82E-08	-0.13691	0.00303	0.154505
0.058763	0.20495	-0.00937	0.83991	0.13338	0.00388	-0.17676	0.00012	-0.04539
-0.02627	0.57124	-0.05955	0.19893	0.021821	0.63811	-0.17202	0.00019	0.045172
-0.04715	0.3093	0.096605	0.03689	0.017643	0.70374	0.197958	1.64E-05	-0.09772
0.065816	0.1556	-0.0387	0.40411	-0.01529	0.74174	-0.1227	0.00794	-0.00591
-0.02929	0.5278	-0.08875	0.0553	0.014544	0.75392	-0.16167	0.00045	0.115166
0.0425	0.35946	-0.01512	0.74448	0.141295	0.00221	-0.1101	0.01731	0.127013
0.080544	0.08208	0.013726	0.76736	0.282488	5.12E-10	-0.12266	0.00796	0.089922
-0.04125	0.37375	-0.09794	0.03436	0.064872	0.16163	-0.17966	9.46E-05	0.16892
-0.0155	0.73828	-0.16002	0.00052	-0.04045	0.38311	-0.24481	8.41E-08	0.068828
0.115498	0.0125	0.033058	0.47605	0.155655	0.00074	-0.14479	0.00171	-0.0119
0.022385	0.62944	0.030853	0.50599	0.120008	0.00944	-0.13596	0.00324	0.17408
0.065437	0.158	-0.06085	0.18929	0.181634	7.90E-05	-0.22853	5.99E-07	0.097027
0.096363	0.03737	-0.05678	0.2207	0.222997	1.13E-06	-0.17819	0.00011	0.226806
-0.07349	0.11273	-0.24407	9.23E-08	-0.06077	0.18989	-0.30479	1.70E-11	0.116055
0.056692	0.2214	-0.08366	0.0709	0.028568	0.53801	-0.17589	0.00013	0.026362
0.051618	0.26561	-0.03785	0.41453	0.144748	0.00171	-0.21998	1.59E-06	0.052015
0.112206	0.01527	0.00721	0.8765	0.172065	0.00019	-0.13636	0.00315	0.08577
0.026631	0.56593	-0.09547	0.03917	-0.0432	0.35158	-0.25986	1.21E-08	-0.09267
0.040547	0.38199	-0.09786	0.0345	0.119724	0.00961	-0.17094	0.00021	0.163268
0.014055	0.76194	-0.14606	0.00155	0.0308	0.50671	-0.20254	1.03E-05	0.134876
-0.0151	0.74481	-0.1332	0.00393	0.073287	0.11373	-0.24945	4.69E-08	0.065805
0.105551	0.02253	-0.08299	0.07317	0.041576	0.37002	-0.22116	1.39E-06	0.042431
0.018307	0.69315	0.104822	0.02349	0.063292	0.17211	-0.0071	0.87832	-0.05844
-0.05157	0.26606	-0.10642	0.02143	0.027611	0.55171	-0.17077	0.00021	0.143347
-0.05903	0.20293	-0.11123	0.01619	-0.03858	0.40557	-0.19024	3.51E-05	0.073944
0.024211	0.60175	0.065448	0.15793	0.055378	0.2323	-0.08991	0.05218	0.003993
-0.04071	0.38009	-0.19814	1.61E-05	-0.13905	0.0026	-0.26401	6.91E-09	0.111662
0.020485	0.65882	-0.12261	0.00799	0.115462	0.01253	-0.26775	4.15E-09	0.084901
0.12208	0.00827	-0.01149	0.80433	0.10598	0.02199	-0.14818	0.00132	0.07565
0.030621	0.50918	0.060994	0.18824	0.026912	0.56183	-0.06383	0.16848	0.002247
-0.00031	0.99467	-0.08781	0.05795	0.075312	0.10406	-0.15539	0.00075	0.059852
0.0175	0.70603	-0.14205	0.00209	0.034891	0.45192	-0.21996	1.59E-06	0.159499
-0.02584	0.57752	-0.11017	0.01723	0.16758	0.00028	-0.19844	1.56E-05	0.232742
0.108589	0.01891	0.024023	0.60459	0.099922	0.03085	-0.08522	0.06576	0.083911

0.052708	0.25564	-0.11915	0.00996	-0.01657	0.721	-0.19163	3.06E-05	0.149269
0.091681	0.04769	-0.0858	0.06393	0.075929	0.10125	-0.2106	4.42E-06	0.085665
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0.001282	0.97795	-0.0989	0.03262	0.031501	0.49708	-0.17377	0.00016	0.125384
0.047423	0.30647	-0.03241	0.48473	0.228348	6.12E-07	-0.15071	0.00109	0.189006
0.044075	0.34192	-0.11984	0.00954	0.082023	0.0766	-0.22828	6.16E-07	0.082721
0.025923	0.57631	-0.05736	0.21598	-0.06752	0.14513	-0.22705	7.11E-07	-0.13026
-0.04774	0.30322	-0.09751	0.03516	-0.03723	0.42211	-0.20528	7.75E-06	0.032367
0.002403	0.95869	-0.18075	8.57E-05	-0.03528	0.4469	-0.21249	3.61E-06	0.165457
0.072706	0.11663	-0.01509	0.74496	0.096458	0.03718	-0.11235	0.01513	0.065523
-0.03359	0.46893	-0.10183	0.02778	-0.02305	0.61932	-0.26133	9.92E-09	-0.03938
0.064305	0.16533	-0.03502	0.45029	0.183635	6.56E-05	-0.18782	4.42E-05	0.039977
0.072674	0.1168	-0.08995	0.05206	0.112956	0.01459	-0.19564	2.07E-05	0.026034
0.051235	0.26918	-0.15604	0.00072	-0.01553	0.73777	-0.21474	2.83E-06	0.00196
0.030534	0.51039	-0.1037	0.02502	-0.09542	0.03929	-0.25157	3.57E-08	-0.12177
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0.036146	0.43581	0.056798	0.22053	0.059512	0.19923	-0.03439	0.45849	0.07339
0.001452	0.97503	-0.15392	0.00085	-0.01929	0.67759	-0.23354	3.33E-07	0.045909
0.014491	0.75479	-0.14318	0.00192	0.123409	0.00759	-0.22824	6.20E-07	0.215324
0.083467	0.07154	-0.06536	0.15847	0.148555	0.00128	-0.11755	0.01101	0.094806
0.030718	0.50784	-0.13741	0.00292	0.100411	0.03004	-0.20582	7.33E-06	0.21671
0.018482	0.69036	-0.15011	0.00114	0.136849	0.00304	-0.21042	4.51E-06	0.183907
0.029627	0.52303	-0.08815	0.05698	0.07944	0.08638	-0.18955	3.74E-05	0.08771
0.004727	0.91885	-0.08896	0.05473	-0.03886	0.40211	-0.15853	0.00059	0.073914
0.094734	0.04072	-0.07599	0.10097	0.069442	0.13402	-0.11747	0.01106	0.23727
0.06445	0.16438	0.001115	0.98083	0.109835	0.01758	-0.14686	0.00146	0.107078
0.029477	0.52514	-0.07026	0.12949	0.137021	0.00301	-0.20374	9.09E-06	0.056925
0.021585	0.64175	-0.11494	0.01294	-0.10239	0.02693	-0.18147	8.02E-05	-0.03442
0.009856	0.83177	-0.1141	0.01362	0.042971	0.35416	-0.26554	5.61E-09	0.080221
0.057061	0.2184	-0.13544	0.00336	0.129352	0.00512	-0.16634	0.00031	0.191552
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0.07429	0.10886	0.004293	0.92629	0.073176	0.11428	-0.08527	0.06561	0.134246
0.01301	0.77917	-0.09459	0.04104	-0.13044	0.00475	-0.16768	0.00027	0.036132
0.069677	0.1327	-0.00028	0.99511	0.212778	3.50E-06	-0.15931	0.00055	0.027929
0.129142	0.00519	-0.01107	0.81137	0.044891	0.33305	-0.12268	0.00795	0.04006
0.030038	0.51729	-0.00909	0.84476	0.071763	0.12146	-0.16913	0.00024	-0.0518
0.007513	0.87136	-0.04812	0.2994	0.056765	0.2208	-0.17897	0.0001	0.106828
0.051128	0.27018	-0.03226	0.48677	-0.03585	0.43957	-0.18086	8.48E-05	-0.10118
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0.02352	0.61217	-0.12199	0.00831	0.099044	0.03236	-0.21454	2.89E-06	0.195248
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0.060068	0.19506	-0.08031	0.08299	0.159249	0.00055	-0.18067	8.63E-05	0.197227
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0.157854	0.00062	0.176442	0.00013	0.123392	0.00759	0.12485	0.00691	0.095558
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0.049832	0.28253	-0.03655	0.43073	-0.00289	0.95038	-0.05562	0.23024	0.026511
0.091553	0.048	-0.05134	0.26817	-0.05696	0.21925	-0.06438	0.16484	-0.02779
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0.127478	0.0058	0.218774	1.81E-06	0.120165	0.00934	0.217425	2.11E-06	0.186163
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0.073402	0.11317	0.056739	0.22101	0.016279	0.72569	0.06252	0.17741	0.105469
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0.103595	0.02517	0.000625	0.98926	0.146047	0.00155	0.066872	0.14906	0.115672
0.013319	0.77406	-0.07674	0.09766	-0.12754	0.00578	0.004965	0.91479	0.093044
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0.098678	0.03301	0.026768	0.56394	0.041305	0.37315	0.039248	0.39743	0.001359
0.373176	7.05E-17	0.184521	6.04E-05	0.247427	6.06E-08	0.149872	0.00116	0.02144
0.029773	0.52099	0.153766	0.00086	0.07949	0.08618	0.164925	0.00034	-0.02899
0.055358	0.23247	0.024369	0.59939	0.001158	0.98008	-0.05109	0.27052	-0.05213
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0.027671	0.55085	0.064819	0.16197	0.033106	0.47541	0.111528	0.0159	-0.00376
0.029359	0.5268	-0.11065	0.01676	-0.04177	0.36782	-0.04421	0.34044	0.140466
0.066402	0.15194	-0.14773	0.00137	-0.12855	0.0054	-0.14888	0.00125	0.053719
0.046366	0.31739	0.03825	0.40955	-0.01731	0.70908	-0.06882	0.13756	-0.06981
0.059646	0.19821	-0.10077	0.02946	-0.0641	0.16668	-0.06754	0.14501	0.029642
0.06557	0.15716	0.206845	6.58E-06	0.174335	0.00015	0.171697	0.00019	0.11119
-0.03048	0.51116	-0.05588	0.22809	-0.04223	0.36257	-0.08298	0.0732	0.063762
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-0.0244	0.59885	-0.12379	0.0074	0.025327	0.58511	-0.14103	0.00225	-0.06131
0.02576	0.57871	-0.04731	0.30767	-0.06123	0.18653	-0.10773	0.01988	0.025435
0.02905	0.53117	0.122405	0.0081	0.127564	0.00577	0.071962	0.12043	-0.18447
0.001953	0.96642	-0.02296	0.62063	0.024998	0.58999	0.003	0.94844	0.013062
-0.00637	0.89073	-0.01188	0.79788	-0.03764	0.41703	0.058578	0.20638	-0.00421
-0.05754	0.21457	-0.02845	0.53966	-0.00656	0.88749	-0.07082	0.12646	-0.02298
-0.02756	0.55248	-0.18367	6.53E-05	-0.08706	0.06011	-0.21313	3.37E-06	0.025327
0.049949	0.28139	-0.11535	0.01262	0.013005	0.77925	-0.13728	0.00295	-0.04838
0.040832	0.37865	-0.0895	0.05325	0.035912	0.4388	-0.06982	0.13194	0.080637
0.050258	0.27843	-0.07727	0.09533	-0.00373	0.93592	-0.0715	0.12286	-0.01295
-0.01963	0.67215	-0.08794	0.05758	-0.20126	1.17E-05	-0.04487	0.33324	-0.08938
0.014337	0.75731	-0.03036	0.51286	0.03012	0.51614	0.062744	0.17586	0.045483
0.110241	0.01716	-0.06381	0.16865	0.007906	0.86471	-0.04884	0.29226	0.060182
-0.02257	0.62661	-0.00313	0.94616	0.008721	0.8509	0.072783	0.11625	0.081146
-0.02566	0.58021	-0.02781	0.5488	-0.0272	0.5577	-0.04221	0.36276	0.056556
-0.00895	0.84697	-0.03647	0.43165	-0.01329	0.77461	-0.04286	0.35542	-0.00757
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0.120023	0.00943	0.029685	0.52223	0.034475	0.45734	-0.01072	0.81724	-0.03021
0.015803	0.7334	-0.07852	0.09009	-0.08187	0.07714	-0.0766	0.09825	-0.00342
-0.02021	0.66312	-0.04114	0.37507	-0.02567	0.58002	-0.12591	0.00644	0.002288
0.078591	0.0898	-0.02124	0.64715	-0.03425	0.46024	0.011946	0.79681	-0.01562
0.062342	0.17865	0.013499	0.77109	0.0128	0.78265	0.007386	0.87352	0.00078
0.028857	0.53389	-0.02575	0.57888	-0.0026	0.95533	-0.00261	0.95522	0.118733
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-0.01044	0.82203	-0.03202	0.49003	-0.01817	0.69526	-0.02387	0.60693	-0.00258
-0.00107	0.98162	0.137313	0.00294	0.076665	0.09798	0.046872	0.31213	-0.02458
0.079399	0.08654	0.049619	0.28459	0.004906	0.91579	0.007548	0.87077	0.063705
0.021642	0.64087	0.021738	0.63938	-0.03547	0.44447	-0.01488	0.74847	0.009817
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0.018152	0.69561	0.106789	0.02099	0.088914	0.05485	0.127386	0.00584	0.052473
0.06299	0.17417	0.015987	0.73041	0.017372	0.70808	-0.02964	0.52285	-0.03186
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-0.02211	0.63374	-0.0283	0.54187	0.001586	0.97273	0.04344	0.34892	0.007635
0.054268	0.24181	0.080305	0.083	0.003299	0.94333	0.029442	0.52564	-0.04086
0.078324	0.0909	-0.05335	0.24984	-0.00912	0.8441	-0.08233	0.07549	-0.03983
0.020278	0.66205	-0.03042	0.51194	-0.03142	0.49815	-0.01778	0.7016	0.086766
0.022986	0.62027	0.047787	0.30277	0.041583	0.36993	-0.0261	0.57363	0.088075
0.012438	0.78865	-0.06363	0.16985	-0.04426	0.33988	-0.02717	0.5581	0.022146
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0.01427	0.75841	0.039327	0.39648	0.062447	0.17792	0.060488	0.19194	0.036943
-0.01088	0.81462	0.043452	0.34879	0.057659	0.2136	-0.03317	0.47458	0.016917
0.071601	0.12231	0.035762	0.44071	0.006203	0.89365	-0.01618	0.72727	4.33E-06
0.040201	0.38607	-0.12277	0.00791	0.067484	0.14537	-0.08342	0.07168	0.051318
0.063497	0.17072	0.073105	0.11464	-0.0178	0.70116	-0.00781	0.86625	0.010799
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-0.0299	0.51928	0.069718	0.13248	0.10551	0.02259	0.087394	0.05914	0.085296
-0.02293	0.62108	-0.03251	0.48342	-0.10288	0.0262	-0.07027	0.12945	-0.09588
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0.005277	0.90945	0.039603	0.39318	0.037141	0.42328	-0.01611	0.72839	0.016753
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0.002608	0.95517	-0.00769	0.86832	-0.0371	0.42373	-0.02239	0.6294	-0.00878
0.040073	0.38759	-0.02122	0.64737	0.004106	0.92948	-0.0125	0.7876	0.00565
0.007614	0.86966	0.052145	0.26076	0.060346	0.19299	0.068275	0.1407	0.016191
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-0.01806	0.69713	0.011629	0.80209	0.025777	0.57845	0.046716	0.31375	0.007412
-0.0048	0.91755	0.000182	0.99688	0.034781	0.45335	0.048566	0.29495	0.110091
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0.030907	0.50524	0.012235	0.79201	0.060982	0.18833	-0.04168	0.36883	-0.0154
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0.054426	0.24045	0.072716	0.11659	0.038343	0.40841	0.049515	0.2856	0.021942

0.036475	0.43165	-0.1328	0.00404	-0.11019	0.01721	-0.09116	0.04896	0.082823
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-0.02218	0.63251	0.032238	0.48706	0.013725	0.76737	0.11094	0.01647	0.156292
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0.019589	0.67285	-0.03266	0.48136	0.015436	0.73936	-0.01704	0.71342	0.034746
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0.046609	0.31486	0.011169	0.80976	0.007988	0.86331	-0.05404	0.24384	-0.07652
0.010811	0.81575	0.094877	0.04042	-0.07454	0.10766	0.018121	0.6961	-0.13679
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0.164445	0.00036	0.087442	0.059	0.039362	0.39607	0.076085	0.10055	-0.02458
-0.0004	0.99314	0.248081	5.58E-08	0.258557	1.43E-08	0.188381	4.19E-05	0.317752
0.26268	8.27E-09	0.20149	1.15E-05	0.173396	0.00017	0.168099	0.00026	0.080461
-0.02921	0.52887	-0.10162	0.02811	-0.00482	0.91722	-0.02838	0.54069	0.173954
0.029238	0.52851	-0.02673	0.56447	-0.03223	0.48721	-0.02276	0.62373	0.019674
0.012711	0.78412	-0.11393	0.01376	-0.04941	0.28667	-0.07075	0.12681	0.129393
0.03253	0.48313	0.006554	0.88768	-0.02925	0.52833	-0.01486	0.74869	0.050309
0.081503	0.07849	0.046974	0.31109	0.007968	0.86364	0.102722	0.02643	0.176728
0.070878	0.12614	0.159995	0.00052	0.200624	1.25E-05	0.102361	0.02697	0.088667
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0.075178	0.10469	-0.00669	0.88539	-0.0463	0.31809	0.065532	0.15739	0.057143
0.085189	0.06586	0.028514	0.53878	0.080648	0.08169	0.006903	0.88173	0.078405
0.002041	0.96491	0.047369	0.30703	0.022141	0.63318	0.205935	7.24E-06	0.28222
0.055428	0.23188	0.016689	0.71906	0.097086	0.03596	-0.01726	0.70983	0.074456
0.073004	0.11514	-0.0294	0.52624	0.036534	0.4309	-0.03401	0.46345	0.033989
0.014032	0.76232	-0.00669	0.88538	-0.06137	0.18555	0.003169	0.94555	0.054438
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0.013763	0.76674	-0.13221	0.00421	-0.11569	0.01236	-0.06122	0.18661	0.23125
0.10893	0.01854	-0.01417	0.75998	-0.01353	0.77055	-0.02702	0.56019	-0.00188
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0.084797	0.06712	-0.07592	0.10127	-0.06394	0.16773	-0.05479	0.23729	0.021898
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-0.03261	0.48211	0.029155	0.52968	-0.05191	0.2629	-0.08724	0.05958	-0.01651
0.007351	0.87411	0.110992	0.01641	0.112745	0.01478	0.120613	0.00908	0.063645

0.011297	0.80763	0.03934	0.39633	0.006815	0.88322	0.035145	0.44864	0.056803
0.055426	0.2319	-0.10867	0.01883	-0.01304	0.77874	-0.12327	0.00766	0.096952
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0.015761	0.73407	-0.17905	0.0001	-0.05569	0.22965	-0.13724	0.00296	0.202419
0.032857	0.47873	-0.06378	0.16882	-0.18205	7.60E-05	-0.06064	0.19084	-0.06684
0.039551	0.3938	0.047152	0.30925	0.031772	0.49339	0.091797	0.04741	0.029147
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0.05069	0.27432	-0.1556	0.00074	-0.06955	0.13341	-0.1488	0.00126	0.052254
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0.116712	0.0116	-0.04235	0.3612	0.041732	0.36822	-0.05331	0.25027	0.001484
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0.017658	0.7035	0.048042	0.3002	0.137921	0.00282	-0.02199	0.63554	-0.02825
0.063898	0.16803	0.040403	0.38369	0.042871	0.35529	0.018815	0.68508	0.038983
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0.018634	0.68795	-0.02478	0.59324	0.01826	0.69389	-0.0088	0.84963	-0.00836
0.005275	0.90949	0.000153	0.99738	0.025327	0.58511	0.037934	0.41344	0.136573
0.065742	0.15607	0.022872	0.622	0.060812	0.18957	-0.00452	0.92246	0.094364
0.024486	0.59763	0.040975	0.37698	0.062233	0.17941	0.070109	0.13031	-0.00829
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0.016968	0.71457	0.066723	0.14997	-0.07282	0.11608	0.060011	0.19548	-0.04593
0.008824	0.84918	-0.01181	0.79912	0.00034	0.99415	0.089657	0.05284	0.148759
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0.033752	0.46684	-0.02551	0.58247	0.018679	0.68723	0.038538	0.40603	-0.00899
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0.25091	3.89E-08	-0.00135	0.97686	0.050001	0.28089	-0.03643	0.43221	-0.01708
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0.066243	0.15293	-0.09756	0.03505	-0.04025	0.38552	-0.06553	0.15744	0.138036
0.027461	0.55388	0.011196	0.80932	-0.00385	0.93392	0.014279	0.75827	0.169969
0.146007	0.00156	0.091749	0.04753	0.221579	1.33E-06	0.079894	0.08459	-0.00843
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0.120687	0.00904	0.188616	4.10E-05	0.273667	1.82E-09	0.111938	0.01552	0.179343
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0.059226	0.2014	0.09563	0.03885	0.037627	0.41723	0.03182	0.49274	0.012573
0.106036	0.02192	-0.0483	0.29763	0.017627	0.704	-0.01866	0.68757	0.009368
0.05968	0.19796	-0.02266	0.62519	0.013978	0.7632	-0.02286	0.62217	0.002278
-0.00195	0.96648	-0.09591	0.03827	-0.06232	0.17882	-0.12195	0.00833	-0.08663
-0.06436	0.165	0.074202	0.10928	-0.06342	0.17122	-0.02427	0.60091	-0.02502
0.003886	0.93326	-0.11674	0.01158	-0.05001	0.28083	-0.05884	0.20435	0.090123
-0.02411	0.6032	-0.06967	0.13276	0.069588	0.1332	-0.13687	0.00304	0.008072
-0.04306	0.35311	-0.07583	0.1017	-0.03234	0.4857	-0.07911	0.08768	0.191398
-0.0847	0.06745	-0.06518	0.15966	-0.15996	0.00052	0.005129	0.91198	0.155895
-0.01165	0.80175	0.168996	0.00024	0.130711	0.00467	0.102659	0.02653	0.005091
0.047475	0.30594	0.045774	0.32362	0.079443	0.08637	0.129574	0.00504	0.22661
0.066425	0.1518	0.001549	0.97337	0.061542	0.1843	0.094251	0.04176	0.080519
0.00449	0.9229	-0.07167	0.12197	0.010198	0.82604	0.005102	0.91244	0.062721
0.020659	0.6561	-0.04876	0.293	0.030368	0.51269	0.021512	0.64287	-0.02341
0.032513	0.48336	-0.02024	0.66258	0.031065	0.50307	0.026747	0.56423	-0.01653
0.03743	0.41968	-0.01782	0.70097	0.097283	0.03558	0.009524	0.83737	0.13691
-0.11487	0.01299	-0.07995	0.08435	-0.16324	0.0004	-0.01666	0.71956	-0.14507
0.044936	0.33256	0.018167	0.69537	-0.15133	0.00104	-0.0357	0.44153	-0.0711
0.004994	0.91428	-0.05211	0.26111	-0.06398	0.16748	-0.01221	0.79239	0.154108
0.065775	0.15586	0.036438	0.43211	0.02317	0.61747	0.044316	0.33929	0.201417
0.018986	0.68238	-0.02111	0.64911	-0.00102	0.98239	0.043167	0.35196	-0.02807
0.080369	0.08275	-0.128	0.0056	-0.08705	0.06014	-0.10413	0.02442	0.007144
0.047746	0.30319	-0.02026	0.66238	0.058937	0.20361	-0.05935	0.20046	0.061082
-0.00178	0.96944	0.037181	0.42278	0.031677	0.49468	0.025859	0.57725	-0.03117
-0.05218	0.26043	-0.05803	0.21066	-0.15374	0.00086	-0.14744	0.0014	-0.23275
-0.02937	0.5266	-0.02121	0.64758	-0.02391	0.60621	0.018526	0.68966	0.177353
0.109319	0.01812	0.122683	0.00795	0.089423	0.05346	0.119425	0.00979	0.028022
0.029753	0.52126	0.007738	0.86754	-0.03978	0.39112	-0.03567	0.44195	-0.0041
-0.00115	0.98022	-0.01858	0.68875	-0.01547	0.73873	-0.02844	0.53985	0.014677
-0.01564	0.73607	0.035709	0.44138	-0.0004	0.99304	-0.05377	0.2462	-0.11475
0.010129	0.82719	-0.0298	0.52068	0.037788	0.41523	-0.03189	0.49176	-0.00177
-0.00254	0.95638	-0.05082	0.27304	0.050761	0.27364	-0.10297	0.02607	-0.09309
0.094197	0.04188	-0.07127	0.12408	-0.04704	0.31038	-0.05997	0.19581	-0.03265
0.14978	0.00117	0.115498	0.0125	0.256861	1.80E-08	0.075804	0.10182	0.25082
0.017127	0.71202	0.155898	0.00072	0.078943	0.08837	0.16401	0.00037	-0.09242
0.055117	0.23452	-0.08965	0.05285	-0.1804	8.84E-05	-0.01553	0.73789	-0.06231
-0.14235	0.00204	-0.17523	0.00014	-0.20199	1.09E-05	-0.1633	0.0004	-0.00302
0.075157	0.10478	0.060117	0.19469	-0.05223	0.25998	-0.03002	0.51753	-0.00271
0.027117	0.55886	-0.0132	0.77603	0.019533	0.67374	0.034417	0.4581	0.230456
0.027107	0.559	-0.10901	0.01845	-0.00816	0.86041	-0.02568	0.57982	0.227228

0.017576	0.70481	0.032895	0.47823	0.091036	0.04929	0.105286	0.02288	0.098955
0.061045	0.18788	0.048779	0.29284	-0.02238	0.62958	0.026077	0.57404	0.064909
0.08649	0.06182	0.106669	0.02114	0.097171	0.0358	0.057769	0.21273	0.026595
0.047882	0.30181	0.100376	0.0301	0.146622	0.00149	0.028449	0.5397	0.086802
0.020094	0.66493	0.001924	0.96692	-0.02376	0.60859	0.011494	0.80434	0.097197
0.101634	0.02808	-0.00998	0.82976	-0.03848	0.40669	0.025696	0.57965	-0.00372
0.058137	0.20982	0.12265	0.00797	0.196725	1.85E-05	0.122765	0.00791	0.111954
0.010046	0.82857	0.008847	0.84878	0.049832	0.28253	0.05881	0.20459	0.084617
-0.14763	0.00138	-0.15876	0.00057	-0.1805	8.77E-05	-0.07223	0.11903	0.046828
-0.07881	0.08891	0.056238	0.22513	0.009982	0.82966	0.106149	0.02178	0.072051
-0.02175	0.63914	0.099022	0.0324	0.032383	0.4851	0.114798	0.01305	0.120023
0.051865	0.26333	-0.12677	0.00608	-0.01876	0.68603	-0.12747	0.00581	0.237311
0.122984	0.0078	-0.02608	0.57399	0.090292	0.05118	0.009071	0.84499	0.12504
-0.01316	0.77661	-0.08238	0.07531	-0.04912	0.28947	-0.03595	0.4383	0.132636
-0.00491	0.91581	-0.09798	0.03428	-0.08626	0.06251	-0.06211	0.1803	0.003849
0.005864	0.89943	-0.07438	0.10842	0.039643	0.3927	-0.08205	0.07649	-0.03721
0.333872	1.27E-13	0.155422	0.00075	0.118047	0.01068	0.184932	5.81E-05	-0.0653
0.373906	6.07E-17	0.098807	0.03278	0.177759	0.00011	0.133556	0.00384	0.172455
0.020338	0.66111	-0.06292	0.17468	0.000942	0.98381	-0.08095	0.08055	-0.03405
-0.01242	0.7889	0.017028	0.71361	-0.00528	0.9094	-0.0344	0.45835	-0.04834
0.048083	0.29979	-0.01371	0.76768	0.041506	0.37083	0.008851	0.84872	0.098677
0.080423	0.08254	0.027941	0.54697	0.003848	0.93391	0.040716	0.38001	0.036813
-0.06564	0.1567	-0.02262	0.62591	-0.16452	0.00036	-0.08069	0.08152	-0.19709
0.012075	0.79467	0.002296	0.96053	-0.05344	0.24911	0.016271	0.72581	-0.09649
0.055337	0.23265	0.170172	0.00022	0.050037	0.28055	0.184387	6.11E-05	0.199651
0.002131	0.96337	-0.02422	0.60164	-0.00964	0.83536	0.086613	0.06145	0.187347
-0.02501	0.58978	-0.08991	0.05218	-0.04575	0.32385	-0.05911	0.20226	0.034479
0.016232	0.72645	-0.03105	0.5032	0.065732	0.15613	-0.0027	0.95358	0.13662
0.004429	0.92396	0.008798	0.84961	0.132104	0.00424	0.045966	0.3216	0.15694
0.020418	0.65986	-0.00762	0.86955	0.038338	0.40848	-0.01105	0.8117	0.039595
0.051797	0.26395	0.043912	0.34371	0.016278	0.7257	0.000508	0.99126	0.065457
-0.04478	0.3343	0.002442	0.95802	-0.12817	0.00554	-0.00545	0.90647	0.043281
0.081864	0.07718	-0.01962	0.6724	0.143203	0.00192	-0.06185	0.18214	0.116988
0.033037	0.47632	-0.06757	0.14483	0.006422	0.88992	-0.02567	0.58005	0.040283
-0.09005	0.0518	-0.07481	0.10639	-0.08497	0.06655	-0.01	0.82933	-0.08141
0.045351	0.32811	0.018808	0.68519	-0.00124	0.97875	0.030979	0.50425	0.089525
0.038252	0.40953	0.097462	0.03524	0.022578	0.6265	0.044434	0.338	-0.04118
-0.00174	0.97008	-0.10085	0.02932	0.041145	0.375	-0.11162	0.01581	-0.03444
0.043551	0.3477	-0.06507	0.16035	0.015479	0.73866	-0.04323	0.35128	-0.03433
-0.08947	0.05334	-0.03641	0.43241	-0.14469	0.00172	-0.1299	0.00493	-0.11376
-0.18867	4.08E-05	-0.18059	8.69E-05	-0.33289	1.51E-13	-0.1759	0.00013	-0.13277
0.057387	0.21577	0.006425	0.88986	0.055785	0.22888	-0.04103	0.37634	0.110569
0.043432	0.34902	0.154637	0.00008	0.164513	0.00036	0.221498	1.34E-06	0.233906
0.010123	0.8273	0.012861	0.78164	0.038386	0.40789	0.007473	0.87204	0.002056
0.025127	0.58807	-0.01872	0.68651	0.061242	0.18646	0.004782	0.91792	0.023866

0.00942	0.83912	-0.00951	0.83767	0.059955	0.1959	-0.06113	0.18726	0.114852
0.151489	0.00102	-0.08145	0.07869	-0.05088	0.27256	-0.04119	0.37442	0.127271
0.013784	0.76639	-0.00725	0.87584	0.085813	0.0639	0.016618	0.72021	0.16078
0.048195	0.29866	-0.00643	0.8897	0.034136	0.46178	-0.00674	0.88456	0.038509
0.059128	0.20215	-0.08296	0.07328	0.022893	0.62169	-0.04867	0.2939	0.190277
-0.07104	0.12528	-0.14219	0.00207	-0.16461	0.00035	-0.07379	0.11129	0.017251
-0.05205	0.26164	-0.03527	0.44696	-0.07752	0.09427	-0.134	0.00372	-0.30481
0.069187	0.13546	-0.09878	0.03283	0.011696	0.80098	-0.09947	0.03163	0.059404
0.064114	0.1666	-0.01357	0.7699	0.140456	0.00235	-0.05203	0.26182	0.05456
0.002788	0.95209	-0.02227	0.63125	-0.07797	0.0924	-0.03124	0.50066	0.060078
-0.08568	0.06431	-0.06279	0.17552	-0.14145	0.00218	-0.11733	0.01117	-0.03185
0.00108	0.98144	0.000599	0.98969	0.009848	0.83191	-0.01772	0.70245	-0.00167
0.059637	0.19828	0.124538	0.00705	0.105982	0.02199	0.21643	2.35E-06	0.10149
0.032367	0.48533	-0.02424	0.60132	-0.01918	0.67937	0.027076	0.55945	0.163163
-0.0524	0.25842	0.110579	0.01682	0.130653	0.00468	0.047304	0.30769	-0.0705
0.005588	0.90414	0.138023	0.0028	0.083676	0.07083	0.232358	3.82E-07	0.139385
-0.03196	0.4908	0.157336	0.00064	0.089801	0.05246	0.188898	3.99E-05	-0.07396
0.070936	0.12583	0.201168	1.18E-05	0.081332	0.07912	0.094621	0.04097	-0.01032
-0.16278	0.00041	-0.06798	0.14244	-0.00186	0.96796	-0.08917	0.05415	0.09473
0.074291	0.10886	0.119926	0.00949	0.1462	0.00154	0.101352	0.02852	0.103893
0.037966	0.41304	-0.06196	0.18132	0.010273	0.82477	-0.0225	0.62761	0.107242
0.004118	0.92928	0.015485	0.73856	-0.00846	0.85538	0.085671	0.06434	0.251976
0.090952	0.0495	0.03796	0.41311	0.016816	0.71702	-0.04703	0.31048	-0.14487
-0.02967	0.52244	-0.08805	0.05725	-0.04542	0.32736	-0.02238	0.6295	0.183003
0.056296	0.22465	0.006211	0.89352	0.092839	0.04494	-0.02028	0.66195	0.154682
-0.01493	0.74756	-0.00094	0.98385	-0.02669	0.56501	-0.02276	0.62372	0.018926
-0.02634	0.57024	-0.03394	0.4643	-0.01358	0.7698	-0.00962	0.83566	0.024785
-0.01808	0.69669	-0.05111	0.27034	-0.11395	0.01374	-0.04066	0.38061	-0.03072
-0.01321	0.77584	-0.02386	0.60699	-0.11343	0.01418	-0.02657	0.56677	-0.12157
-0.03715	0.42319	0.085821	0.06387	0.113469	0.01415	0.139831	0.00246	0.117248
-0.03571	0.44135	-0.01374	0.76717	-0.10946	0.01797	-0.05855	0.20659	-0.13162
0.024903	0.5914	0.161593	0.00046	0.075092	0.10509	0.219806	1.62E-06	-0.03333
-0.02733	0.55584	0.060551	0.19148	-0.05429	0.24163	0.055163	0.23413	0.078756
0.043712	0.34591	0.137903	0.00282	-0.0182	0.69479	0.155989	0.00072	0.03326
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0.060744	0.19007	-0.06796	0.14252	-0.04147	0.37123	-0.01922	0.67864	0.221037
0.082697	0.0742	-0.00158	0.97291	-0.00133	0.97711	-0.08575	0.06409	-0.15929
-0.03251	0.48341	0.140871	0.00228	0.026284	0.571	0.122241	0.00818	0.017231
0.070046	0.13066	0.018139	0.69582	0.009148	0.8437	0.115995	0.01213	0.171227
-0.10689	0.02087	-0.05198	0.26228	-0.12332	0.00763	0.021711	0.6398	-0.04188
0.011408	0.80578	-0.02804	0.54561	-0.19458	2.29E-05	-0.09721	0.03572	-0.12147
0.035596	0.44283	-0.01861	0.68837	0.023649	0.61021	-0.02719	0.55776	-0.0357
0.007212	0.87647	-0.12811	0.00556	-0.00176	0.96977	-0.05791	0.21164	0.144882
0.360989	8.06E-16	0.058116	0.20999	0.062018	0.18092	0.071911	0.1207	0.064615
0.008518	0.85434	0.009065	0.8451	0.043124	0.35244	0.017092	0.71257	0.038351

0.253953	2.63E-08	0.012857	0.78169	0.009677	0.83479	0.106355	0.02152	0.149229
0.261967	9.10E-09	0.097463	0.03524	0.08054	0.0821	0.071354	0.12361	-0.00397
0.009588	0.83628	0.19273	2.75E-05	0.112328	0.01516	0.230061	5.01E-07	0.325354
-0.05097	0.27165	0.037539	0.41833	0.091358	0.04848	0.084732	0.06733	0.205996
0.401076	1.78E-19	0.112405	0.01509	0.05805	0.21051	0.129094	0.00521	0.034805
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0.039651	0.3926	-0.04643	0.3167	0.068861	0.13731	-0.05911	0.20228	0.180414
0.006514	0.88835	-0.00759	0.87006	-0.04967	0.2841	-0.04251	0.35934	-0.00673
-0.00147	0.97466	-0.01336	0.77338	-0.06729	0.14655	-0.04665	0.3144	-0.03012
0.028151	0.54396	-0.04348	0.34852	-0.09042	0.05086	-0.0604	0.1926	-0.10192
0.046099	0.32019	-0.06424	0.16575	-0.01663	0.71998	-0.04492	0.33272	-0.00119
0.019638	0.67208	-0.00448	0.92312	-0.0631	0.17344	-0.01026	0.82497	-0.05838
-0.00789	0.86492	0.031341	0.49927	0.06478	0.16223	0.166083	0.00031	0.154615
0.079863	0.08471	0.156002	0.00072	0.194554	2.30E-05	0.254742	2.37E-08	0.128421
-0.06378	0.16883	-0.16915	0.00024	-0.16646	0.0003	-0.2174	2.11E-06	-0.01401
-0.04378	0.34518	-0.11207	0.01539	-0.09014	0.05158	-0.14424	0.00178	0.0231
-0.05315	0.25166	0.002636	0.9547	0.049111	0.28956	-0.04967	0.28407	-0.0097
-0.03181	0.49293	-0.0366	0.43005	0.015371	0.74042	-0.03458	0.45599	0.253488
-0.09121	0.04886	-0.01027	0.82482	-0.12516	0.00676	0.117082	0.01134	0.058947
-0.07227	0.11887	-0.09124	0.04877	-0.045	0.33183	-0.12058	0.0091	0.007983
-0.03845	0.40705	0.107817	0.01978	0.082313	0.07556	0.042452	0.36001	-0.05669
0.075389	0.10371	0.088324	0.05648	0.098347	0.03361	0.18105	8.33E-05	0.145669
0.038882	0.40185	-0.10204	0.02746	-0.07768	0.0936	-0.07536	0.10382	0.098399
0.006799	0.8835	0.032155	0.48818	-0.0119	0.7976	0.04042	0.38348	0.200076
-0.01431	0.75771	-0.00173	0.9703	-0.08691	0.06058	0.016381	0.72404	-0.05458
0.082582	0.07461	0.144796	0.00171	0.112511	0.01499	0.187144	4.71E-05	0.105124
0.027604	0.55182	-0.01213	0.79374	0.132846	0.00403	-0.02484	0.5924	0.069786
-0.08587	0.06373	-0.04486	0.33337	0.044318	0.33927	-0.00984	0.83208	0.229959
-0.07064	0.12739	-0.17193	0.00019	-0.17253	0.00018	-0.17818	0.00011	-0.02957
0.146264	0.00153	0.067212	0.147	0.057166	0.21755	0.022614	0.62595	0.001289
0.018459	0.69072	-0.09938	0.03178	-0.0889	0.05489	-0.07138	0.12348	0.173089
0.027828	0.54859	0.009074	0.84495	-0.18033	8.90E-05	-0.0788	0.08895	-0.19531
0.032674	0.48119	0.161219	0.00047	0.176662	0.00012	0.131122	0.00454	0.095321
-0.02363	0.61044	-0.02002	0.66606	0.089786	0.0525	0.045401	0.32758	0.324904
0.113876	0.01381	0.041505	0.37083	0.070905	0.12599	-0.00178	0.96944	-0.02081
-0.017	0.71405	-0.01069	0.81779	0.068621	0.13869	-0.07661	0.09821	-0.10593
-0.09433	0.04159	-0.03848	0.40673	-0.1454	0.00163	-0.0576	0.21411	-0.2408
-0.05743	0.21541	-0.07149	0.12291	-0.1064	0.02146	-0.04187	0.36663	0.081668
-0.05021	0.27893	-0.06761	0.14464	-0.07123	0.12427	-0.04293	0.35458	0.082205
0.139547	0.00251	0.026708	0.5648	-0.04284	0.35567	-0.01884	0.68474	0.051345
-0.02691	0.56187	0.164505	0.00036	0.016715	0.71865	0.241318	1.30E-07	0.121497
-0.07162	0.12221	-0.2136	3.20E-06	-0.02371	0.60924	-0.14176	0.00214	0.20185
0.053757	0.24628	0.018227	0.69442	-0.06932	0.13468	-0.07433	0.10868	-0.16553
-0.01466	0.752	-0.03978	0.39111	-0.06021	0.19402	0.058089	0.2102	0.044512
0.089502	0.05326	0.169251	0.00024	0.084891	0.06682	0.129752	0.00498	-0.10869

-0.025	0.58998	-0.01496	0.74704	-0.03046	0.51141	-0.06895	0.13678	-0.09968
0.03555	0.44342	-0.00944	0.83881	0.103417	0.02543	-0.03223	0.48716	0.10646
-0.07081	0.12653	-0.14765	0.00138	-0.09886	0.03269	-0.11945	0.00978	0.019731
-0.06782	0.14339	-0.08309	0.07283	0.025576	0.58142	-0.12808	0.00558	-0.02671
0.005546	0.90486	-0.14686	0.00146	-0.12113	0.00878	-0.12575	0.00651	0.11288
-0.03494	0.45132	-0.08887	0.05497	-0.0603	0.19334	-0.10605	0.0219	0.107163
-0.08127	0.07935	-0.14203	0.00209	-0.13667	0.00308	-0.13526	0.00341	-0.12046
-0.00773	0.86766	-0.17501	0.00014	-0.06149	0.18467	-0.15549	0.00075	0.196636
0.050987	0.27151	-0.05429	0.24163	-0.00561	0.90368	0.010335	0.82373	0.173867
-0.06045	0.19222	-0.0672	0.14709	-0.09663	0.03685	-0.02189	0.63711	-0.07593
0.034252	0.46025	-0.00386	0.93377	-0.03452	0.45679	-0.1298	0.00496	-0.01464
0.033956	0.46415	0.0979	0.03443	0.1189	0.01012	0.055252	0.23337	0.017731
-0.00939	0.83962	0.084784	0.06716	-0.06696	0.14855	0.160758	0.00049	0.069778
0.016653	0.71964	-0.02974	0.52147	0.06785	0.14319	-0.01782	0.70086	0.201016
0.020927	0.65193	-0.01034	0.82367	-0.06332	0.17195	-0.06673	0.14992	-0.08604
0.015567	0.73723	0.092541	0.04564	-0.09265	0.04539	0.038693	0.40415	-0.06403
0.083973	0.06983	0.003752	0.93554	0.055698	0.22961	0.023306	0.61541	0.031662
0.045925	0.32203	0.149348	0.00121	0.136647	0.00309	0.158819	0.00057	0.015024
0.373673	6.37E-17	0.269145	3.42E-09	0.203613	9.21E-06	0.329311	2.83E-13	0.086175
-0.04323	0.35127	-0.20825	5.68E-06	-0.26878	3.60E-09	-0.25557	2.13E-08	-0.23648
-0.09218	0.04648	-0.17712	0.00012	-0.14704	0.00144	-0.17873	0.0001	-0.06638
0.043785	0.34511	0.05168	0.26503	-0.13864	0.00268	-0.04757	0.30498	-0.13439
0.015106	0.74473	0.039075	0.39952	-0.02073	0.65495	0.160413	0.0005	0.016724
-0.06738	0.14598	0.065574	0.15713	-0.09368	0.04303	0.024224	0.60156	-0.16535
0.054059	0.24364	-0.02746	0.55392	-0.05495	0.23596	-0.01743	0.70717	0.013422
0.030112	0.51625	0.069405	0.13423	0.03658	0.43032	0.158369	0.00059	0.134657
0.043137	0.3523	0.296782	5.98E-11	0.260871	1.05E-08	0.289426	1.83E-10	0.294364
-0.01816	0.6955	-0.07419	0.10936	-0.09191	0.04713	-0.1216	0.00853	-0.01056
-0.01505	0.74566	0.074218	0.1092	0.104608	0.02377	0.22219	1.24E-06	0.42174
-0.05398	0.24436	-0.13072	0.00466	-0.09332	0.04385	-0.09974	0.03117	0.170471
-0.02495	0.59074	-0.11676	0.01157	-0.0419	0.36634	-0.09929	0.03193	-0.02737
0.037466	0.41923	-0.14843	0.0013	-0.03896	0.40094	-0.18108	8.31E-05	-0.0026
0.031266	0.50031	-0.05413	0.24301	-0.08621	0.06269	0.015413	0.73974	0.056018
0.023321	0.61518	0.045289	0.32878	0.056308	0.22454	0.094672	0.04086	-0.02979
-0.00611	0.8952	-0.05749	0.21495	0.089007	0.05459	-0.07214	0.11951	0.098247
-0.08019	0.08344	0.095416	0.03929	-0.03818	0.41037	0.079708	0.08532	-0.01845
-0.00629	0.89218	-0.00135	0.97685	0.011349	0.80676	-0.05187	0.26331	0.003724
-0.00039	0.99335	0.071754	0.12151	0.097468	0.03523	0.194328	2.35E-05	0.15296
0.129268	0.00515	0.179498	9.61E-05	0.31452	3.50E-12	0.288778	2.02E-10	0.07664
-0.01139	0.80605	0.127259	0.00589	0.022816	0.62286	0.16948	0.00023	0.147269
0.053706	0.24673	-0.0634	0.17138	-0.06684	0.14926	-0.10153	0.02825	-0.00723
0.003997	0.93135	-0.18723	4.68E-05	-0.20808	5.78E-06	-0.17677	0.00012	-0.00982
0.010126	0.82724	0.278317	9.38E-10	0.26148	9.72E-09	0.307316	1.13E-11	0.29049
0.045001	0.33186	0.042894	0.35502	0.149751	0.00117	0.055203	0.23378	0.133663
-0.01598	0.73047	-0.06466	0.16303	-0.07232	0.11861	-0.06325	0.17238	-0.02853



0.068007	0.14227	-0.01165	0.80178	0.067646	0.1444	-0.02244	0.62865	0.05795
0.007898	0.86483	-0.11875	0.01021	-0.05007	0.28023	-0.08872	0.05537	0.048523
0.008095	0.86149	-0.1266	0.00615	-0.06585	0.1554	-0.09581	0.03848	0.072244
-0.01796	0.69866	-0.09156	0.04799	-0.04259	0.35842	-0.10618	0.02174	-0.10817
0.203936	8.91E-06	0.266564	4.88E-09	0.167364	0.00028	0.263952	6.96E-09	0.187986
0.043292	0.35057	-0.08754	0.0587	-0.07999	0.08421	-0.08049	0.08228	-0.04576
0.024151	0.60266	-0.09282	0.04498	0.033236	0.47368	0.001687	0.971	0.197143
0.050349	0.27755	-0.08855	0.05586	-0.1197	0.00962	-0.07929	0.08699	-0.06033
0.025046	0.58928	0.069559	0.13336	-0.08956	0.05311	0.080579	0.08195	-0.09587
0.087341	0.0593	0.020728	0.65502	-0.08122	0.07955	0.013199	0.77604	-0.09365
-0.05591	0.22783	0.043755	0.34544	-0.12475	0.00695	0.069359	0.13448	-0.07407
0.120593	0.00909	0.044671	0.33542	0.000115	0.99803	0.004235	0.92727	-0.29942
-0.01387	0.7649	0.019025	0.68175	0.004475	0.92317	-0.00073	0.98751	-0.09023
0.021191	0.64784	0.238955	1.73E-07	0.191476	3.11E-05	0.338675	5.37E-14	0.069007
-0.09813	0.03401	-0.09287	0.04487	-0.21534	2.65E-06	-0.07545	0.10342	-0.11687
-0.05294	0.25351	-0.09391	0.04251	-0.16122	0.00047	-0.00726	0.87569	0.17048
-0.10117	0.02882	0.025045	0.58929	-0.08469	0.06748	-0.09737	0.03541	-0.08225
0.034841	0.45258	0.145152	0.00166	0.179518	9.59E-05	0.177664	0.00011	0.008603
0.003305	0.94322	-0.17885	0.0001	-0.06589	0.15513	-0.14299	0.00195	0.201221
-0.00574	0.90153	-0.04019	0.38615	0.011478	0.80461	-0.08255	0.07473	-0.03955
0.033483	0.47039	0.012989	0.77952	0.067946	0.14263	-0.00821	0.85953	-0.01919
-0.01614	0.72798	-0.08359	0.07111	-0.03824	0.40973	-0.0793	0.08693	0.028954
0.012213	0.79238	0.115497	0.0125	0.014229	0.75908	0.059418	0.19994	-0.14384
-0.06174	0.1829	-0.0831	0.07281	-0.18343	6.68E-05	-0.08336	0.07191	0.174983
-0.12962	0.00502	-0.2164	2.36E-06	-0.13157	0.0044	-0.19857	1.54E-05	0.011316
-0.04938	0.28692	0.045308	0.32857	0.049382	0.28691	0.01795	0.69884	-0.08801
0.034454	0.45762	-0.03313	0.47512	-0.03948	0.39462	-0.01309	0.77791	0.022664
0.052279	0.25953	0.028839	0.53415	0.061221	0.1866	0.02772	0.55014	0.064059
0.060397	0.19261	-0.0245	0.59744	0.035794	0.4403	0.02714	0.55852	0.087796
0.075969	0.10107	-0.01868	0.68725	-0.03667	0.42921	-0.03102	0.50373	-0.00732
-0.00234	0.95983	0.025062	0.58904	0.024862	0.59201	0.008514	0.85441	0.098659
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0.023325	0.61513	0.202192	1.07E-05	0.143169	0.00192	0.254692	2.38E-08	0.196435
0.06115	0.18712	-0.05053	0.27585	-0.04509	0.33091	-0.04465	0.33564	-0.02813
-0.02199	0.63556	0.09371	0.04296	0.061856	0.18207	0.148684	0.00127	0.256551
0.03941	0.39548	0.010005	0.82927	-0.00587	0.89933	0.003616	0.93788	0.077309
-0.0591	0.20236	0.023359	0.6146	0.09973	0.03118	0.163929	0.00037	0.326964
0.03361	0.46871	-0.02104	0.65021	0.005693	0.90234	0.092025	0.04686	0.181008
-0.01757	0.7049	-0.07776	0.09326	-0.01831	0.69312	-0.03186	0.49217	0.008531
-0.18626	5.12E-05	-0.25094	3.87E-08	-0.25589	2.04E-08	-0.15016	0.00113	0.025146
-0.03565	0.44216	0.001527	0.97375	0.055151	0.23423	-0.04768	0.30387	-0.02696
0.02926	0.52821	-0.12419	0.00721	0.005596	0.90401	-0.08811	0.05708	0.063184
0.233293	3.42E-07	0.042143	0.36352	0.061675	0.18336	0.018022	0.69769	0.002057
-0.08652	0.06174	0.014026	0.76241	-0.07323	0.114	0.059575	0.19875	-0.05342
-0.06863	0.13867	-0.04965	0.28427	-0.02102	0.65042	-0.13479	0.00352	-0.10907

0.015742	0.73439	0.012067	0.7948	-0.01466	0.75196	-0.10799	0.01958	-0.11067
0.006753	0.88429	0.041384	0.37223	0.006406	0.89019	0.019546	0.67353	-0.08148
-0.00645	0.8895	-0.07322	0.11408	-0.0854	0.06519	0.01597	0.73069	0.035688
-0.03638	0.43285	0.06303	0.1739	-0.00579	0.90062	0.091607	0.04787	0.107165
0.071289	0.12395	0.245289	7.93E-08	0.068017	0.14221	0.133822	0.00377	-0.04397
0.026558	0.56699	0.104167	0.02438	0.08562	0.0645	0.056565	0.22243	0.045483
0.053381	0.24961	-0.01467	0.75192	0.008768	0.85011	0.026773	0.56386	0.039971
0.043204	0.35155	-0.05478	0.23737	-0.00601	0.89695	-0.01104	0.81186	0.245918
-0.03088	0.50565	-0.10705	0.02068	-0.0457	0.32442	-0.1573	0.00065	-0.04918
0.099489	0.03159	0.282521	5.10E-10	0.216873	2.24E-06	0.225032	8.96E-07	0.019931
-0.07903	0.088	0.187069	4.75E-05	0.059051	0.20273	0.193886	2.46E-05	-0.12613
-0.0326	0.48212	-0.07277	0.11631	-0.09493	0.0403	0.052284	0.25948	0.26768
-0.10023	0.03034	-0.12814	0.00555	-0.01965	0.67193	-0.07356	0.1124	0.129002
-0.00301	0.94832	-0.14923	0.00122	-0.04568	0.32463	-0.1258	0.00649	0.02517
-0.04548	0.32669	-0.10037	0.03011	-0.04541	0.32743	-0.06236	0.17849	0.136945
0.007897	0.86485	0.174652	0.00015	0.037424	0.41975	0.215522	2.60E-06	0.173101
0.188777	4.03E-05	0.070258	0.1295	0.005024	0.91377	0.013659	0.76846	-0.05535
-0.02842	0.54009	0.157021	0.00066	0.129332	0.00512	0.121965	0.00833	0.036704
0.035062	0.44971	0.258045	1.54E-08	0.206402	6.89E-06	0.220444	1.51E-06	0.238111
0.024828	0.59252	0.127261	0.00589	0.143792	0.00184	0.103913	0.02473	0.092672
-0.03521	0.44777	-0.05442	0.24051	-0.01231	0.7908	-0.06453	0.16386	-0.06144
0.102583	0.02664	0.086453	0.06194	0.118451	0.01041	0.051633	0.26547	-0.03284
0.105031	0.02321	-0.00264	0.95458	0.031099	0.50259	-0.05184	0.26352	0.039027
-0.09836	0.03359	-0.29878	4.38E-11	-0.2773	1.09E-09	-0.25536	2.19E-08	0.018884
-0.02694	0.56142	0.131881	0.00431	-0.0055	0.90557	0.056219	0.22528	-0.07223
-0.01315	0.7768	-0.18803	4.33E-05	-0.14754	0.00139	-0.151	0.00106	-0.02496
0.006077	0.8958	-0.18981	3.65E-05	-0.08571	0.06422	-0.08842	0.05621	0.177912
0.025724	0.57924	-0.13049	0.00474	-0.01551	0.73822	-0.07388	0.11082	0.164163
-0.07786	0.09285	-0.15641	0.00069	-0.19793	1.64E-05	-0.21582	2.51E-06	-0.22115
-0.07869	0.0894	-0.05855	0.20657	-0.09318	0.04415	-0.1276	0.00576	-0.05588
0.069315	0.13473	0.164583	0.00035	0.15925	0.00055	0.127089	0.00596	0.023264
0.021516	0.64281	0.016355	0.72445	-0.01227	0.79141	0.032715	0.48065	-0.04053
0.035128	0.44886	0.328486	3.27E-13	0.318779	1.72E-12	0.260388	1.12E-08	0.076558
-0.00699	0.88019	-0.03617	0.43551	-0.04897	0.2909	-0.07356	0.11237	-0.03637
0.166883	0.00029	0.069104	0.13592	0.127678	0.00573	0.040836	0.37861	0.129038
0.108184	0.01936	0.090364	0.05099	0.241766	1.23E-07	0.066012	0.15437	0.071391
0.047228	0.30847	0.102889	0.02619	0.108726	0.01876	0.21941	1.69E-06	0.147989
0.015261	0.7422	0.18019	9.02E-05	0.105236	0.02294	0.252658	3.10E-08	0.170339
0.246564	6.75E-08	0.210583	4.43E-06	0.155942	0.00072	0.274679	1.58E-09	0.087491
-0.00275	0.95281	-0.007	0.88006	0.064851	0.16177	-0.04605	0.32065	-0.01959
0.046105	0.32012	0.012767	0.78319	-0.03658	0.43033	-0.04087	0.37821	-0.08517
-0.01518	0.74359	-0.07649	0.09877	-0.02612	0.57338	-0.06979	0.13206	0.04316
0.015773	0.73389	0.143156	0.00193	0.163401	0.00039	0.171393	0.0002	0.079484
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-0.15623	0.0007	-0.118	0.01071	-0.22996	5.07E-07	-0.01921	0.67882	-0.00566

0.014378	0.75663	0.020822	0.65357	0.004778	0.91798	-0.03577	0.44062	-0.05614
0.0388	0.40284	0.065206	0.15947	0.061443	0.18501	0.157771	0.00062	0.177052
0.002131	0.96336	-0.15542	0.00075	-0.06142	0.18519	-0.06954	0.13348	0.072218
-0.12905	0.00522	-0.0711	0.12497	-0.14056	0.00233	-0.07161	0.12228	-0.06275
-0.01104	0.81189	-0.12982	0.00496	-0.06512	0.16001	-0.12301	0.00778	0.123628
-0.00955	0.83693	-0.05408	0.24341	-0.03661	0.42992	-0.07069	0.12714	-0.02068
-0.04189	0.3664	-0.13132	0.00447	-0.14264	0.002	-0.05805	0.21051	0.130448
-0.04334	0.35009	-0.08657	0.06158	-0.08031	0.08299	-0.12669	0.00611	0.16138
0.006816	0.88321	0.010911	0.81409	0.040506	0.38247	-0.11029	0.01711	-0.18561
0.060809	0.18959	-0.0235	0.6124	0.062248	0.17931	0.003443	0.94085	0.073682
-0.02926	0.52818	-0.18632	5.09E-05	-0.16588	0.00032	-0.1703	0.00022	0.084428
-0.08049	0.08227	-0.0302	0.515	-0.18735	4.62E-05	-0.02668	0.56525	0.00152
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0.027594	0.55196	-0.07878	0.08902	-0.07846	0.09036	-0.02334	0.61492	0.01715
-0.0245	0.59747	-0.0547	0.23807	-0.03663	0.42975	0.065206	0.15948	-0.00375
0.010353	0.82343	0.009203	0.84276	-0.03502	0.45029	-0.05178	0.26408	-0.1879
-0.01795	0.69886	-0.04909	0.28979	-0.01728	0.70951	-0.00362	0.93779	0.043172
0.085506	0.06486	-0.09712	0.0359	-0.05135	0.26809	-0.02926	0.52822	0.003559
0.083525	0.07134	-0.03222	0.48728	-0.04933	0.28737	-0.06596	0.15467	-0.10468
-0.04212	0.36383	-0.13266	0.00408	-0.13512	0.00344	-0.07332	0.11357	0.048936
0.247465	6.03E-08	0.154013	0.00084	0.197625	1.69E-05	0.126859	0.00605	0.09789
0.044156	0.34103	-0.03673	0.4284	0.019998	0.66643	-0.00606	0.89604	0.089158
-0.05539	0.23222	-0.09711	0.03592	-0.06897	0.1367	-0.07488	0.10605	-0.03224
0.004252	0.92698	-0.00228	0.96085	0.08166	0.07792	-0.00904	0.84544	-0.058
-0.02926	0.52815	-0.09721	0.03573	-0.12297	0.00781	-0.07706	0.09625	0.072042
0.001153	0.98017	-0.0117	0.80092	-0.01473	0.75092	0.0264	0.5693	0.107358
-0.10641	0.02146	-0.10997	0.01744	-0.10373	0.02499	-0.0461	0.32014	0.106201
0.030426	0.51189	-0.1376	0.00288	-0.08935	0.05365	-0.14624	0.00153	0.023055
0.112115	0.01535	-0.02962	0.5232	0.017514	0.70581	-0.03825	0.40952	0.001776
-0.01579	0.73359	-0.09107	0.0492	-0.05683	0.22027	-0.03331	0.47268	-0.00312
0.152738	0.00093	0.172447	0.00018	0.11318	0.0144	0.123856	0.00737	-0.04919
0.010963	0.81321	-0.14331	0.00191	-0.14237	0.00204	-0.113	0.01455	0.067292
0.251637	3.54E-08	0.115108	0.01281	0.185875	5.32E-05	0.201822	1.11E-05	0.095641
0.021896	0.63696	-0.16291	0.00041	-0.10834	0.01919	-0.11077	0.01664	0.132339
-0.04266	0.35762	-0.1417	0.00214	-0.1662	0.00031	-0.1941	2.40E-05	0.011932
0.078954	0.08832	-0.03276	0.48002	-0.04007	0.38765	0.006061	0.89607	-0.10003
-0.00379	0.93483	-0.03584	0.43971	-0.04663	0.31462	-0.05825	0.20893	-0.07377
-0.0034	0.94165	0.086496	0.0618	0.219311	1.71E-06	0.155129	0.00077	0.106936
-0.04456	0.33666	-0.15608	0.00071	-0.14128	0.00221	-0.16168	0.00045	-0.00594
-0.04374	0.3456	-0.13567	0.00331	-0.11782	0.01083	-0.06897	0.13668	0.065827
0.055743	0.22924	-0.01011	0.82757	-0.00132	0.97727	-0.03351	0.46999	-0.06792
-0.00437	0.92493	0.093567	0.04328	0.019598	0.67272	0.079247	0.08715	0.03058
0.169792	0.00023	-0.0425	0.35947	0.085961	0.06344	0.086514	0.06175	0.256599
-0.03857	0.40561	-0.07461	0.10736	-0.0933	0.04389	-0.1806	8.68E-05	-0.122
-0.03814	0.41089	0.046668	0.31425	0.032692	0.48094	0.029322	0.52732	0.126075

0.026542	0.56722	-0.02641	0.56921	0.002397	0.95879	0.039192	0.39812	0.212246
0.031885	0.49185	0.019767	0.67006	-0.01139	0.80615	0.079597	0.08576	0.015069
-0.01535	0.74076	-0.02508	0.58874	-0.05968	0.19799	0.006072	0.89588	-0.10733
-0.07904	0.08797	0.037991	0.41274	-0.10333	0.02556	0.056402	0.22377	0.002182
0.038398	0.40774	0.033366	0.47195	0.021683	0.64023	0.00045	0.99226	-0.09537
0.021833	0.63792	-0.07715	0.09587	-0.04382	0.34474	-0.06686	0.14913	0.067682
-0.09434	0.04157	0.031554	0.49636	-0.11771	0.0109	-0.0622	0.17964	-0.04305
-0.01808	0.69675	0.123563	0.00751	0.151062	0.00106	0.11675	0.01157	0.160231
-0.1239	0.00735	0.020377	0.6605	-0.01296	0.77999	0.099253	0.032	0.127381
-0.0228	0.62306	-0.04223	0.36254	-0.06044	0.19228	0.000759	0.98695	0.155392
-0.00459	0.92118	0.059121	0.2022	-0.02784	0.54848	-0.02525	0.58629	-0.05982
0.042833	0.35571	-0.05117	0.26976	0.029386	0.52643	-0.03015	0.51575	0.00443
0.111774	0.01567	-0.04639	0.31714	0.010697	0.81766	0.020935	0.65181	0.177821
0.012618	0.78565	-0.09549	0.03913	0.022339	0.63015	-0.10923	0.01821	0.073114
0.077399	0.09479	0.006676	0.88559	0.00918	0.84316	-0.09877	0.03284	-0.04804
-0.00213	0.96335	-0.0859	0.06363	-0.06112	0.18732	-0.08765	0.05839	-0.07768
-0.02508	0.58875	-0.00759	0.86997	-0.15759	0.00063	-0.03414	0.46177	-0.15507
-0.00805	0.86219	-0.06841	0.1399	0.003045	0.94767	-0.12	0.00944	0.02785
-0.03817	0.41054	0.035866	0.43938	-0.04969	0.28393	0.077582	0.09401	0.15781
0.030994	0.50404	0.02544	0.58344	-0.01318	0.7763	0.01247	0.7881	-0.03361
0.011936	0.79698	0.02782	0.5487	0.024514	0.59722	0.012856	0.78171	-0.00447
-0.05814	0.20977	0.07281	0.11611	-0.01328	0.77463	0.055633	0.23016	-0.11152
0.036627	0.42973	0.038064	0.41184	0.060818	0.18952	0.004315	0.9259	0.059763
0.075184	0.10466	-0.06139	0.18538	-0.08201	0.07665	-0.03274	0.48025	0.097696
0.046848	0.31238	0.007321	0.87463	-0.00713	0.87789	0.006078	0.89577	0.028526
0.092605	0.04548	0.088681	0.05549	0.159342	0.00055	0.153386	0.00088	0.228603
-0.0633	0.17208	0.066892	0.14894	-0.02263	0.62562	0.153218	0.00089	0.204564
-0.08391	0.07005	-0.09414	0.04201	-0.24381	9.53E-08	-0.13172	0.00435	-0.20269
0.006722	0.88482	0.061226	0.18657	-0.1312	0.00451	0.068107	0.14168	0.044568
-0.10957	0.01785	-0.02306	0.61907	-0.08475	0.06727	0.007518	0.87128	0.069849
0.01859	0.68865	0.029083	0.5307	-0.08006	0.08393	0.086466	0.0619	-0.03197
-0.02697	0.56103	0.042135	0.36361	-0.05904	0.20284	0.023966	0.60544	-0.05598
0.154404	0.00081	0.016839	0.71664	0.009795	0.83281	0.10783	0.01977	0.199381
-0.05684	0.22022	0.072547	0.11744	0.061803	0.18244	0.055605	0.2304	0.085773
0.110777	0.01663	0.202924	9.89E-06	0.135518	0.00334	0.183819	6.45E-05	0.050201
0.035482	0.4443	-0.13811	0.00278	-0.11189	0.01556	-0.10762	0.02001	0.187248
0.003525	0.93944	-0.03406	0.46275	0.021516	0.64281	-0.00472	0.91898	0.069978
-0.02131	0.64602	-0.07523	0.10445	-0.06067	0.19059	-0.05761	0.21402	0.122374
0.020329	0.66125	-0.03642	0.43236	-0.06977	0.13217	-0.10681	0.02097	-0.06545
-0.06036	0.19292	-0.11852	0.01036	-0.15549	0.00075	-0.1015	0.02829	-0.04685
0.176379	0.00013	0.105847	0.02216	0.095671	0.03877	0.091036	0.04929	0.025739
0.038031	0.41225	-0.02333	0.61498	-0.0143	0.75786	-0.01664	0.71981	0.006309
0.061333	0.1858	-0.06388	0.16815	0.030675	0.50844	-0.02518	0.58725	0.109503
0.035851	0.43957	-0.02676	0.56403	-0.0046	0.92108	0.042883	0.35514	0.092327
-0.04504	0.33149	-0.20778	5.97E-06	-0.2399	1.54E-07	-0.13351	0.00385	0.01676

0.04239	0.36071	-0.08502	0.0664	0.039558	0.39371	-0.11921	0.00993	0.022831
-0.07407	0.10993	0.102062	0.02742	-0.00429	0.92634	0.118524	0.01036	-0.05524
0.063719	0.16923	-0.03307	0.47591	0.021636	0.64095	-0.00577	0.90111	0.042324
0.047862	0.30201	0.039968	0.38882	0.012709	0.78416	0.025654	0.58027	0.063225
-0.00074	0.98729	-0.02572	0.57923	0.057703	0.21326	0.072615	0.1171	0.2005
0.035525	0.44374	0.115288	0.01267	0.060867	0.18917	0.083505	0.07141	0.017339
-0.08079	0.08114	-0.05797	0.21115	-0.114	0.0137	-0.05596	0.22743	-0.01817
0.096996	0.03613	0.073892	0.11077	0.11721	0.01125	0.023649	0.61022	0.078099
-0.01965	0.67197	-0.04783	0.30233	-0.03632	0.43358	-0.0408	0.37897	-0.0985
-0.04316	0.3521	0.030275	0.51398	-0.03078	0.50704	0.08424	0.06894	0.02727
-0.02993	0.51881	-0.16325	0.0004	-0.11844	0.01042	-0.11208	0.01538	-0.07766
-0.01909	0.68065	0.056357	0.22414	-0.05017	0.27923	-0.05004	0.28049	-0.32227
0.030584	0.5097	0.126311	0.00627	0.023697	0.60949	-0.00632	0.89164	-0.01519
0.010961	0.81325	-0.07857	0.08989	0.03813	0.41102	-0.05064	0.27476	0.121758
-0.02104	0.65022	0.063283	0.17217	0.050897	0.27235	0.067143	0.14742	0.096354
-0.02275	0.62382	0.070571	0.12779	0.009626	0.83564	0.101593	0.02815	0.048911
-0.02602	0.57488	-0.11373	0.01393	-0.20706	6.44E-06	-0.0957	0.03871	0.024896
0.046294	0.31815	0.038257	0.40947	0.138035	0.0028	0.032848	0.47886	0.218075
-0.09488	0.0404	-0.08856	0.05582	-0.11483	0.01302	0.01989	0.66813	0.182388
0.006624	0.88648	-0.03015	0.51577	0.022721	0.6243	-0.04206	0.36447	0.090872
0.253099	2.93E-08	0.061369	0.18554	0.042372	0.36092	0.087434	0.05902	0.034857
0.046766	0.31323	-0.00407	0.93003	0.003414	0.94135	-0.009	0.84624	0.073472
0.029332	0.52719	0.009667	0.83495	-0.14767	0.00137	0.027068	0.55957	-0.01399
0.075766	0.10199	0.056749	0.22093	0.106315	0.02157	0.043481	0.34847	0.037805
0.05362	0.24749	-0.00543	0.90686	0.065327	0.1587	-0.06426	0.16565	0.149186
0.010427	0.82219	-0.01008	0.828	0.116431	0.0118	-0.03372	0.46725	0.090548
0.056114	0.22615	-0.05235	0.25888	0.007455	0.87236	-0.01365	0.76868	0.032942
0.031441	0.4979	-0.08269	0.07421	0.04001	0.38833	-0.07276	0.11635	0.281969
0.110559	0.01684	0.208404	5.58E-06	0.278044	9.75E-10	0.255515	2.14E-08	0.241219
0.127197	0.00591	0.25919	1.32E-08	0.295152	7.68E-11	0.285124	3.48E-10	0.217721
0.158724	0.00058	0.10868	0.01881	0.088259	0.05666	0.110513	0.01689	-0.04465
-0.03599	0.43779	0.001602	0.97246	0.102682	0.02649	-0.00081	0.98615	0.093032
0.0744	0.10834	-0.09033	0.05109	0.014975	0.74687	-0.14423	0.00178	-0.02126
0.406298	5.46E-20	0.068033	0.14211	0.171072	0.0002	-0.01595	0.73107	-0.01549
0.004083	0.92988	0.005011	0.914	-0.03687	0.42662	0.022398	0.62925	0.031179
-0.02515	0.58775	0.034285	0.45983	0.054831	0.23696	0.097908	0.03441	-0.05719
-0.0431	0.35275	-0.00693	0.88131	-0.08806	0.05721	-0.11369	0.01397	-0.17824
0.054581	0.23911	-0.123	0.00779	-0.03198	0.49056	-0.0968	0.03652	0.137185
0.166729	0.0003	-0.01139	0.806	0.021565	0.64205	0.038596	0.40533	0.062583
0.041842	0.36695	-0.05481	0.23713	0.010099	0.82769	-0.12981	0.00496	0.032516
-0.01711	0.71223	-0.0401	0.38726	0.038675	0.40436	-0.05914	0.20208	0.029411
0.01707	0.71292	0.114494	0.0133	-0.0518	0.26388	0.107107	0.02061	0.017393
0.024348	0.5997	-0.06178	0.18258	-0.02754	0.5528	-0.05604	0.22679	-0.00939
-0.10685	0.02092	-0.03795	0.41323	0.052333	0.25903	-0.07143	0.12322	0.039694
-0.0877	0.05825	-0.00543	0.90687	-0.09682	0.03647	-0.04608	0.32044	-0.16004

0.049638	0.28441	0.046878	0.31207	0.064297	0.16539	0.037208	0.42244	0.016406
-0.00926	0.84185	-0.09287	0.04487	-0.09889	0.03264	-0.15575	0.00073	-0.077
0.223278	1.09E-06	-0.03667	0.42919	0.023154	0.61772	0.007664	0.8688	0.047782
0.018801	0.68531	-0.04348	0.34853	-0.07459	0.10743	-0.13944	0.00253	-0.09962
0.02616	0.57281	0.132436	0.00414	-0.01481	0.74949	0.095919	0.03826	-0.09943
0.055652	0.23	-0.0203	0.66172	-0.08003	0.08406	0.003457	0.9406	0.027996
0.047102	0.30977	-0.06712	0.14754	-0.01496	0.74715	-0.03845	0.40713	0.240044
-0.00051	0.99116	0.097167	0.0358	0.01178	0.79958	0.02986	0.51977	-0.0239
0.078391	0.09063	0.112148	0.01532	0.136581	0.0031	0.016316	0.72508	-0.04749
0.060397	0.19261	0.001705	0.97068	0.092663	0.04535	0.021606	0.64142	0.126731
-0.041	0.37667	-0.0498	0.28279	-0.0624	0.17828	-0.03476	0.45366	-0.11854
-0.04475	0.33459	-0.01177	0.79968	0.003316	0.94302	-0.05653	0.22269	-0.15642
0.000318	0.99453	-0.1391	0.00259	-0.07709	0.09612	-0.11576	0.0123	0.014564
0.088629	0.05563	-0.03107	0.50297	0.032117	0.4887	-0.0175	0.70608	0.002867
0.130206	0.00483	-0.0022	0.96221	0.013729	0.76731	-0.02755	0.55254	-0.03066
-0.10867	0.01883	-0.08545	0.06503	-0.13638	0.00315	0.006568	0.88743	0.151777
-0.06822	0.14102	0.007096	0.87845	-0.03309	0.47568	0.005416	0.90708	-0.07007
-0.12991	0.00493	-0.1441	0.0018	-0.10627	0.02162	-0.08133	0.07913	-0.07407
0.087567	0.05864	0.009525	0.83735	-0.00817	0.86022	0.02683	0.56302	0.089313
-0.00193	0.96682	-0.02378	0.60821	-0.04414	0.34122	0.052783	0.25496	0.117605
0.006653	0.88598	-0.00195	0.96649	-0.02568	0.57981	0.049778	0.28305	0.178852
0.058506	0.20694	-0.07936	0.08671	-0.0585	0.20699	-0.03683	0.42722	0.144882
0.044616	0.33602	-0.01976	0.67016	0.021916	0.63665	-0.15961	0.00054	-0.1196
0.090581	0.05044	0.101863	0.02773	0.050576	0.27539	0.143848	0.00183	0.220486
0.041617	0.36954	-0.00823	0.85925	-0.0542	0.24238	0.013756	0.76686	-0.02731
0.03973	0.39166	-0.12406	0.00727	-0.0662	0.15318	-0.08843	0.05619	0.074394
-0.03706	0.42427	-0.02755	0.55258	-0.09745	0.03527	0.017499	0.70604	0.075236
-0.16706	0.00029	-0.18508	5.73E-05	-0.26437	6.58E-09	-0.273	2.00E-09	-0.17719
0.051426	0.2674	-0.05451	0.23971	-0.04339	0.34944	-0.01357	0.76987	-0.00362
0.033759	0.46674	0.033151	0.47482	0.00773	0.86768	0.034465	0.45747	0.05238
-0.02199	0.63556	-0.14181	0.00213	-0.13568	0.0033	-0.07458	0.10746	0.092584
-0.02692	0.56179	-0.13404	0.00371	-0.1341	0.00369	-0.11756	0.01101	-0.06555
0.066109	0.15376	-0.03264	0.48163	-0.06078	0.18982	-0.01603	0.72969	-0.01894
0.029791	0.52074	-0.14194	0.00211	-0.09742	0.03532	-0.09061	0.05035	0.051436
-0.09876	0.03287	-0.1603	0.00051	-0.1012	0.02876	-0.18111	8.29E-05	-0.14632
0.029739	0.52146	-0.02645	0.56862	0.02586	0.57723	0.015496	0.73839	-0.06622
0.043257	0.35097	0.046153	0.31963	0.089993	0.05196	-0.01621	0.7268	-0.06124
0.083401	0.07176	0.004812	0.9174	0.119009	0.01005	0.038308	0.40884	0.170587
0.008818	0.84927	0.003791	0.93489	0.035979	0.43793	-0.0361	0.43645	-0.00155
-0.0468	0.31289	-0.05149	0.26682	0.006136	0.89479	0.055223	0.23362	0.086278
-0.02053	0.65804	-0.1081	0.01946	-0.078	0.09223	-0.07382	0.11112	0.191319
-0.01887	0.68426	-0.10698	0.02076	-0.04521	0.32965	-0.07129	0.12396	0.179293
0.010623	0.8189	0.053873	0.24526	0.039463	0.39485	0.08668	0.06125	0.11574
0.063735	0.16912	0.074347	0.10859	-0.11533	0.01264	-0.02066	0.65606	-0.16117
0.016312	0.72515	0.000924	0.98412	-0.05299	0.25308	0.042441	0.36014	0.031372

0.018741	0.68625	-0.04134	0.37274	0.08474	0.06731	0.015475	0.73873	0.226401
0.03934	0.39632	-0.09901	0.03242	-0.06394	0.16777	-0.10842	0.0191	-0.05572
-0.03441	0.45824	-0.20398	8.87E-06	-0.26316	7.75E-09	-0.15953	0.00054	0.029865
0.004184	0.92815	-0.03607	0.43677	-0.12449	0.00707	-0.03387	0.46526	0.024973
0.138287	0.00275	0.262678	8.27E-09	0.336443	8.02E-14	0.125014	0.00683	0.077372
0.014548	0.75386	-0.05508	0.23486	-0.05375	0.24635	-0.07406	0.10995	0.000987
0.010364	0.82325	-0.12889	0.00528	-0.13813	0.00278	-0.12513	0.00678	0.046809
0.087437	0.05901	0.071273	0.12404	0.026943	0.56138	0.096476	0.03715	0.065308
-0.07257	0.11731	-0.11318	0.0144	-0.07794	0.09251	-0.08368	0.07082	-0.03517
-0.03748	0.41901	0.067938	0.14267	-0.12648	0.0062	0.06024	0.19378	-0.07697
0.044799	0.33404	0.077707	0.09349	-0.00709	0.87863	0.053113	0.252	0.009934
-0.0523	0.25931	-0.11322	0.01437	-0.07304	0.11498	0.013063	0.77829	0.092259
0.014899	0.74811	0.03648	0.43158	0.048476	0.29584	0.022913	0.62139	0.048137
-0.01565	0.7358	-0.02668	0.56523	-0.03763	0.41723	-0.01074	0.81702	0.134309
0.00061	0.98952	0.065796	0.15572	-0.0311	0.50258	0.010873	0.81472	-0.10386
-0.01058	0.81967	0.030585	0.50969	0.031195	0.50128	-0.0059	0.89889	-0.11912
0.000138	0.99763	-0.00824	0.85903	-0.05652	0.22276	-0.01204	0.79531	-0.03508
-0.0271	0.55915	0.076934	0.0968	-0.00031	0.9946	0.071378	0.12348	-0.11796
0.043891	0.34394	-0.09203	0.04685	-0.11652	0.01174	-0.08935	0.05367	0.086379
0.086549	0.06164	0.204426	8.47E-06	0.367654	2.15E-16	0.216605	2.31E-06	0.252738
0.098641	0.03308	0.025814	0.57791	0.014681	0.75168	0.081646	0.07797	0.111826
0.017195	0.71091	-0.07867	0.08947	-0.06113	0.18725	-0.00952	0.83745	0.054834
0.102696	0.02647	0.002939	0.94949	0.083081	0.07286	0.056494	0.22302	0.044314
-0.05028	0.27825	-0.17839	0.00011	-0.21975	1.63E-06	-0.20638	6.91E-06	-0.0302
0.00198	0.96596	-0.12865	0.00536	-0.05886	0.20423	-0.04616	0.31954	0.033444
-0.06729	0.14655	-0.05237	0.2587	-0.07065	0.12738	-0.08065	0.08168	0.00299
-0.00747	0.87211	-0.12253	0.00803	-0.08423	0.06898	-0.12871	0.00534	-0.01715
0.104945	0.02333	-0.07017	0.12998	-0.02578	0.57844	-0.05303	0.2527	0.121049
-0.08564	0.06444	-0.1225	0.00804	-0.0794	0.08654	-0.16509	0.00034	-0.06162
0.060954	0.18854	0.123019	0.00778	-0.01125	0.80843	0.113903	0.01378	0.011473
0.045586	0.32561	0.105076	0.02315	0.108819	0.01866	0.075741	0.1021	0.065582
0.116999	0.0114	0.026908	0.56189	0.063433	0.17116	0.044563	0.33659	0.066879
-0.00022	0.99624	-0.08878	0.05521	-0.06177	0.18265	-0.06951	0.13364	0.086306
0.046628	0.31466	0.112706	0.01482	0.096255	0.03759	0.122121	0.00824	0.217806
0.068811	0.1376	0.154131	0.00083	0.196906	1.82E-05	0.262622	8.34E-09	0.312216
0.034772	0.45347	0.197136	1.78E-05	0.132879	0.00402	0.169266	0.00024	0.107782
0.006607	0.88676	0.099288	0.03194	0.01743	0.70716	0.076511	0.09866	0.052632
0.016482	0.72241	-0.08562	0.06451	-0.09526	0.03962	-0.05526	0.23328	0.085505
0.011087	0.81114	0.179386	9.71E-05	0.053469	0.24882	0.199011	1.47E-05	0.172694
0.029912	0.51905	0.005742	0.90151	-0.13064	0.00469	-0.09889	0.03264	-0.28953
-0.11678	0.01155	-0.03963	0.39283	-0.09639	0.03732	-1.29E-05	0.99978	0.020348
0.036397	0.43263	0.31026	7.04E-12	0.362401	6.11E-16	0.267215	4.46E-09	0.367518
0.035022	0.45022	-0.07788	0.09274	0.094795	0.04059	-0.1065	0.02134	0.093412
0.056183	0.22558	0.132548	0.00411	-0.01726	0.70985	0.072778	0.11627	-0.1559
-0.02647	0.56827	-0.15674	0.00068	-0.06051	0.1918	-0.12822	0.00552	0.032617

0.05422	0.24223	-0.03435	0.45897	-0.01333	0.77381	-0.04445	0.33784	-0.0102
-0.00666	0.8859	0.048804	0.29258	-0.07142	0.12324	0.085289	0.06555	-0.08293
0.052795	0.25485	-0.00465	0.92017	-0.03963	0.39281	0.065931	0.15488	-0.00868
0.045205	0.32968	0.047759	0.30306	-0.00775	0.86732	0.018296	0.69333	0.016507
0.07931	0.08689	0.015784	0.73371	-0.01685	0.71644	-0.0059	0.89886	-0.02877
-0.03205	0.48968	-0.12541	0.00666	0.035114	0.44904	-0.14025	0.00238	0.086375
-0.02243	0.62879	-0.03069	0.50822	-0.07507	0.10517	-0.16418	0.00037	-0.11654
0.013475	0.77149	-0.0726	0.11716	-0.00777	0.86693	-0.09769	0.03481	-0.09274
0.093238	0.04402	-0.03144	0.49792	-0.17591	0.00013	-0.07748	0.09445	-0.15976
0.049568	0.28508	-0.05054	0.27576	0.022334	0.63023	0.023092	0.61866	0.231864
0.091313	0.0486	0.090156	0.05153	0.02957	0.52384	0.127984	0.00561	0.155254
0.047672	0.30394	0.181733	7.83E-05	0.163806	0.00038	0.090828	0.04981	0.029821
-0.05809	0.21019	-0.15549	0.00075	-0.08388	0.07015	-0.01836	0.69237	0.176371
-0.11655	0.01172	0.044668	0.33545	-0.09827	0.03374	-0.03172	0.49412	-0.093
0.06425	0.1657	-0.06763	0.14451	-0.03545	0.44468	0.004613	0.92081	0.079933
-0.02186	0.63748	-0.18248	7.30E-05	-0.19328	2.61E-05	-0.18269	7.16E-05	-0.01769
-0.0265	0.56777	0.1981	1.62E-05	0.232739	3.66E-07	0.178319	0.00011	0.003166
0.098852	0.0327	0.343146	2.38E-14	0.241918	1.21E-07	0.263298	7.61E-09	-0.00691
0.0322	0.48758	-0.00358	0.93855	-0.00948	0.83814	-0.06141	0.18525	-0.13558
0.002946	0.94937	-0.02286	0.62221	-0.01568	0.73538	-0.00695	0.88097	-0.04151
0.005358	0.90806	-0.07208	0.1198	0.053804	0.24587	-0.02949	0.52498	0.208178
0.079357	0.08671	-0.08538	0.06524	0.015676	0.73546	-0.11139	0.01603	0.09106
-0.08889	0.05492	0.011065	0.8115	-0.04866	0.29399	-0.10242	0.02689	-0.20866
0.088356	0.05639	0.228141	6.27E-07	0.170719	0.00021	0.279513	7.89E-10	0.296839
0.072918	0.11557	0.108364	0.01916	0.117709	0.0109	0.127765	0.00569	0.239415
-0.05598	0.22724	-0.22874	5.84E-07	-0.1506	0.0011	-0.102	0.02752	0.149901
0.128627	0.00537	0.196555	1.89E-05	0.081576	0.07822	0.146156	0.00154	-0.10577
0.022035	0.63482	0.141713	0.00214	0.185982	5.26E-05	0.113945	0.01375	0.096194
-0.02353	0.61206	0.014383	0.75655	0.008834	0.849	0.053567	0.24796	0.00442
0.020224	0.66289	0.129403	0.0051	0.213784	3.14E-06	0.338424	5.62E-14	0.110944
-0.04715	0.30923	-0.03718	0.42277	0.041452	0.37145	0.126818	0.00606	0.007637
0.110084	0.01732	0.170175	0.00022	0.169319	0.00024	0.167301	0.00028	0.135595
-0.1199	0.0095	-0.11932	0.00986	-0.12554	0.0066	0.008698	0.85129	-0.08949
-0.09436	0.04152	0.028142	0.54408	-0.06819	0.1412	0.117302	0.01118	0.030421
0.050676	0.27444	0.240549	1.43E-07	0.306099	1.38E-11	0.154656	0.0008	-0.00157
-0.08243	0.07515	-0.06862	0.13872	0.082331	0.0755	-0.05687	0.21996	0.143341
0.077018	0.09644	0.078333	0.09086	0.198345	1.58E-05	0.04647	0.31631	0.06485
0.418411	3.23E-21	0.227706	6.59E-07	0.294231	8.85E-11	0.28079	6.56E-10	0.036056
0.168334	0.00026	0.195625	2.07E-05	0.329443	2.77E-13	0.26761	4.23E-09	0.300124
-0.00286	0.95092	0.08927	0.05388	0.03734	0.4208	0.071151	0.12468	-0.13377
0.070196	0.12984	0.20325	9.56E-06	0.074181	0.10938	0.151877	0.00099	0.007334
-0.09176	0.04751	-0.10554	0.02255	-0.2073	6.27E-06	-0.18206	7.60E-05	-0.11094
0.020697	0.65552	0.062275	0.17912	-0.00185	0.96822	0.059442	0.19975	-0.01918
-0.08123	0.07951	-0.12733	0.00586	0.00124	0.97867	0.007625	0.86946	0.248514
0.017276	0.70961	-0.01764	0.70372	0.052899	0.25391	-0.03153	0.49673	-0.05702



0.005547	0.90484	-0.05396	0.24447	0.041739	0.36814	-0.00851	0.85453	0.100292
0.01371	0.76762	0.012717	0.78401	-0.05672	0.22113	0.025951	0.57589	-0.00287
0.04138	0.37228	0.111903	0.01555	0.045176	0.32998	0.099338	0.03185	0.125184
0.120903	0.00891	0.085758	0.06407	0.106116	0.02182	0.047621	0.30446	0.015103
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0.061289	0.18612	-0.02084	0.65336	0.114854	0.01301	-0.00181	0.96894	0.085091
0.012371	0.78976	-0.14417	0.00179	-0.06876	0.13786	-0.19625	1.94E-05	-0.10765
0.031846	0.49239	-0.09015	0.05155	-0.05842	0.20763	-0.04696	0.31127	0.012433
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0.053912	0.24492	0.054712	0.23798	0.146008	0.00156	0.05867	0.20567	0.057438
-0.18598	5.26E-05	-0.18334	6.74E-05	-0.1336	0.00382	-0.07653	0.09856	0.151212
0.01205	0.79509	-0.0179	0.69965	-0.02211	0.63365	-0.05383	0.2456	-0.0607
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0.183901	6.40E-05	0.070644	0.1274	0.067405	0.14584	0.040394	0.38379	0.034114
-0.0191	0.68063	-0.03165	0.49502	-0.12924	0.00515	-0.00354	0.93922	-0.01107
-0.01411	0.76099	0.079914	0.08451	-0.02487	0.59189	0.023854	0.60712	0.021692
-0.10835	0.01918	0.053724	0.24657	-0.04416	0.34101	0.000475	0.99182	0.08601
-0.03495	0.45116	-0.09734	0.03547	-0.14091	0.00227	-0.00283	0.95143	0.210041
-0.025	0.59	-0.08359	0.07111	-0.07406	0.10997	-0.10409	0.02448	0.106152
0.040974	0.37699	0.044993	0.33195	0.028655	0.53676	0.065064	0.16039	0.11263
-0.10231	0.02705	-0.18296	6.99E-05	-0.18834	4.21E-05	-0.13139	0.00445	0.026134
-0.02205	0.63463	-0.04662	0.31473	0.146387	0.00151	0.04666	0.31433	0.334698
0.048029	0.30033	0.113863	0.01382	0.067231	0.14688	0.099374	0.03179	0.191566
0.035867	0.43936	0.050722	0.27401	0.014004	0.76277	0.019837	0.66895	0.010579
0.014446	0.75553	0.175808	0.00013	0.119057	0.01002	0.126415	0.00623	0.045006
0.012299	0.79094	-0.01861	0.68826	0.002565	0.95591	-0.01334	0.77366	-0.03001
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0.024509	0.59729	-0.07348	0.11277	-0.15738	0.00064	-0.0591	0.20235	0.010702
0.028421	0.54009	0.05071	0.27412	0.009044	0.84545	0.049125	0.28942	0.080766
-0.02866	0.5367	0.091662	0.04774	0.061643	0.18358	0.070718	0.127	-0.01149
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0.001968	0.96616	0.159117	0.00056	0.159427	0.00054	0.186475	5.02E-05	0.071486
0.214997	2.75E-06	0.246962	6.42E-08	0.297474	5.37E-11	0.336302	8.23E-14	0.201597
0.051839	0.26357	0.064622	0.16326	0.106038	0.02192	0.229186	5.55E-07	0.31465
0.020271	0.66216	0.107262	0.02043	0.117221	0.01124	0.132491	0.00413	0.074756
0.082759	0.07399	0.056706	0.22128	0.082916	0.07344	0.130133	0.00485	-0.06361
0.088897	0.05489	0.03735	0.42067	-0.05849	0.20708	-0.01447	0.75512	-0.21256
0.084873	0.06688	0.029076	0.53079	-0.07236	0.11838	-0.00839	0.85649	-0.20631
0.020183	0.66353	-0.05858	0.20639	-0.02357	0.61139	-0.00656	0.8875	0.23481
0.030783	0.50695	-0.13417	0.00367	-0.1659	0.00032	-0.12943	0.00509	-0.0402
0.05464	0.2386	0.1373	0.00295	0.083484	0.07148	0.134086	0.0037	0.138674
0.041072	0.37585	0.013549	0.77027	0.002868	0.95072	0.031524	0.49676	0.07144
-0.07696	0.0967	-0.06077	0.18985	-0.17119	0.0002	-0.12911	0.0052	-0.0848
0.034911	0.45167	-0.05679	0.22062	-0.00039	0.99326	-0.10152	0.02825	0.065131

-0.05784	0.21218	-0.19523	2.15E-05	-0.25236	3.23E-08	-0.15236	0.00096	-0.06579
0.032603	0.48215	-0.04058	0.38161	-0.06556	0.15722	-0.05264	0.25624	0.037575
0.176772	0.00012	0.297988	4.96E-11	0.234181	3.08E-07	0.327978	3.58E-13	0.078567
0.021421	0.64428	0.09005	0.05181	0.061353	0.18565	0.049696	0.28384	0.002298
0.020672	0.65591	0.089283	0.05384	0.088459	0.0561	0.027835	0.54849	0.024356
0.002964	0.94907	0.129559	0.00505	0.262749	8.19E-09	0.186998	4.78E-05	0.104405
0.214349	2.95E-06	-0.00012	0.99797	0.05893	0.20366	0.008019	0.86279	-0.03376
0.056326	0.2244	-0.03092	0.50508	-0.00632	0.89172	-0.05833	0.2083	-0.06344
0.074527	0.10773	-0.05864	0.20586	0.098276	0.03374	-0.04398	0.34301	0.119743
0.098864	0.03268	-0.00674	0.88449	0.070991	0.12553	-0.03314	0.47499	-0.01765
0.004168	0.92842	-0.00299	0.94862	0.047874	0.3019	0.041378	0.3723	0.085153
-0.00385	0.93387	-0.13645	0.00313	-0.10182	0.0278	-0.09772	0.03475	-0.06125
0.008691	0.85142	0.019177	0.67935	-0.03284	0.47902	0.033916	0.46467	0.058893
0.027528	0.55291	0.026859	0.56261	-0.0346	0.45567	0.021113	0.64905	0.08343
0.057424	0.21548	0.045321	0.32844	0.000154	0.99736	0.117689	0.01092	0.1454
-0.00588	0.89921	-0.0017	0.97085	-0.0096	0.83616	0.031709	0.49425	-0.04064
-0.00136	0.97669	0.005738	0.90157	-0.00709	0.8786	0.023781	0.60822	-0.02021
-0.0212	0.64776	-0.11261	0.01491	-0.08738	0.05917	-0.08352	0.07135	0.040036
-0.02067	0.65593	0.03686	0.42679	0.112854	0.01468	0.016685	0.71913	0.012447
-0.01535	0.74082	-0.07466	0.10712	-0.04929	0.2878	-0.09211	0.04667	0.010162
0.022154	0.63298	0.004829	0.9171	0.000135	0.99768	0.049784	0.28299	0.067469
0.05941	0.2	-0.00291	0.94991	0.105555	0.02253	-0.03319	0.47429	0.006001
-0.02692	0.56178	0.004213	0.92765	-0.00272	0.95317	0.004616	0.92076	0.011137
-0.03487	0.45223	0.027342	0.5556	-0.05702	0.21877	0.057771	0.21271	-0.03643
-0.00741	0.87308	-0.02841	0.54027	0.010622	0.81891	-0.00324	0.94425	0.087512
-0.00883	0.84912	-0.04193	0.36598	0.012673	0.78474	-0.01525	0.74246	0.144592
0.032437	0.48438	0.12855	0.0054	0.102627	0.02657	0.061071	0.18769	0.083342
-0.06992	0.13135	0.118474	0.01039	0.007724	0.86779	0.168365	0.00026	0.200293
0.071133	0.12478	-0.01986	0.66857	0.031577	0.49604	-0.05949	0.19941	0.113462
0.01007	0.82818	-0.06372	0.16922	-0.03061	0.50932	-0.05361	0.24755	0.040048
0.013075	0.77809	0.059854	0.19665	-0.0376	0.41757	0.144072	0.0018	0.048043
-0.1737	0.00016	-0.11543	0.01255	-0.12462	0.00701	-0.13356	0.00384	-0.13532
0.096816	0.03648	0.035645	0.4422	0.023936	0.60589	0.033215	0.47396	0.036665
0.058413	0.20767	0.134849	0.0035	0.064236	0.16579	0.085323	0.06544	0.022956
0.047017	0.31063	-0.00828	0.85829	0.018413	0.69146	-0.0229	0.62156	0.022072
0.133521	0.00384	0.216513	2.33E-06	0.254253	2.52E-08	0.327293	4.03E-13	0.216779
0.129951	0.00491	0.278896	8.63E-10	0.295128	7.71E-11	0.333194	1.43E-13	0.144221
-0.01266	0.78492	0.047088	0.30991	-0.00703	0.87959	-0.04279	0.3562	0.074757
-0.00606	0.89602	-0.10672	0.02108	0.042645	0.35783	-0.01986	0.66865	0.221838
-0.08466	0.06755	0.100117	0.03053	-0.03629	0.43401	0.162921	0.00041	0.038139
-0.0102	0.82597	-0.05406	0.24367	0.049779	0.28304	0.050906	0.27227	0.29342
0.030599	0.50949	-0.03788	0.41406	-0.04326	0.35088	0.029772	0.521	0.08607
-0.00154	0.97358	-0.1328	0.00404	-0.04334	0.35003	-0.1199	0.0095	0.091734
0.031588	0.4959	0.023787	0.60814	-0.03279	0.47968	-0.03651	0.43118	0.052834
0.007706	0.86808	-0.01773	0.70238	0.024554	0.59661	-0.06923	0.1352	-0.06677

0.029825	0.52027	-0.15412	0.00083	-0.03609	0.4365	-0.177	0.00012	-0.04071
-0.01156	0.8032	-0.07582	0.10172	-0.06664	0.15048	-0.062	0.18104	0.002577
-0.02029	0.66185	0.09167	0.04772	-0.10732	0.02035	-0.00592	0.89851	-0.15597
0.031644	0.49513	0.125904	0.00644	0.106097	0.02184	0.113709	0.01395	0.074709
0.024604	0.59587	-0.05058	0.27537	-0.04436	0.33877	-0.03811	0.41129	0.001013
0.076065	0.10064	0.128739	0.00533	0.176179	0.00013	0.103988	0.02462	0.058565
0.036634	0.42964	-0.04851	0.29548	0.024415	0.59869	-0.04574	0.32399	0.145196
-0.0214	0.64465	-0.12145	0.00861	-0.08304	0.07299	-0.12729	0.00588	-0.01528
0.024254	0.60111	0.085939	0.06351	0.066908	0.14884	0.098908	0.0326	0.253855
0.042504	0.35942	-0.01496	0.74719	0.051595	0.26582	-0.02927	0.52808	0.054812
0.027353	0.55544	0.011912	0.79739	0.033906	0.46481	0.037379	0.42031	0.090281
0.041692	0.36868	-0.04171	0.36851	-0.05192	0.26282	-0.02645	0.56858	-0.06831
0.107453	0.0202	0.10902	0.01844	0.05341	0.24935	0.081728	0.07767	0.009391
-0.1024	0.02691	0.010955	0.81335	0.000816	0.98596	0.054381	0.24084	-0.02115
-0.10718	0.02052	-0.23237	3.82E-07	-0.24687	6.50E-08	-0.18251	7.28E-05	-0.04789
0.322054	9.90E-13	0.06396	0.16762	0.087788	0.058	0.205867	7.29E-06	0.203816
-0.14501	0.00168	-0.13985	0.00245	-0.19911	1.46E-05	-0.1678	0.00027	-0.07127
0.050138	0.27958	-0.0023	0.96039	0.204355	8.53E-06	0.085714	0.06421	0.182508
0.047487	0.30582	0.020966	0.65133	0.024232	0.60144	-0.02805	0.54542	-0.05715
-0.06998	0.13103	-0.14191	0.00211	-0.14117	0.00223	-0.23972	1.58E-07	-0.28111
0.013463	0.77168	0.059286	0.20094	0.073806	0.11119	0.020559	0.65766	-0.0162
0.053517	0.2484	-0.0672	0.14707	-0.06353	0.17047	-0.02995	0.51855	-0.00493
-0.0064	0.89024	-0.11923	0.00991	0.044015	0.34258	-0.1092	0.01825	0.075886
-0.10328	0.02563	-0.25092	3.89E-08	-0.26492	6.11E-09	-0.24786	5.73E-08	0.01466
-0.04307	0.35307	-0.19504	2.19E-05	-0.17101	0.0002	-0.0734	0.11315	0.007936
0.030433	0.51179	0.014136	0.76061	0.010368	0.82318	0.039923	0.38936	-0.02496
-0.03756	0.41811	-0.05502	0.23538	-0.08183	0.07729	-0.04025	0.38554	-0.07
-0.12394	0.00733	-0.11329	0.0143	-0.09867	0.03303	-0.0501	0.27994	-0.04741
-0.06665	0.15044	-0.09689	0.03634	-0.18378	6.47E-05	-0.04207	0.3644	-0.04988
0.070847	0.12631	0.105973	0.022	-8.49E-06	0.99985	0.136229	0.00318	0.000308
-0.03139	0.49857	0.023798	0.60797	-0.10479	0.02353	0.049885	0.28202	0.07536
-0.0348	0.45305	-0.04752	0.30553	-0.1233	0.00764	0.019372	0.67628	0.116357
-0.00174	0.97004	-0.10923	0.01822	-0.01179	0.79941	-0.08486	0.06693	0.026778
0.149922	0.00116	0.142522	0.00202	0.161286	0.00047	0.120932	0.0089	0.051741
-0.06065	0.19076	-0.05888	0.20402	0.025212	0.58681	-0.0252	0.58694	-0.03167
-0.09349	0.04346	0.049572	0.28505	0.048482	0.29578	0.037014	0.42487	0.132974
0.0913	0.04863	-0.1417	0.00215	0.035891	0.43907	-0.06956	0.13337	0.326585
0.055273	0.2332	-0.10406	0.02453	-0.09125	0.04876	-0.04574	0.32398	0.078101
-0.00684	0.88283	-0.10956	0.01786	-0.07758	0.09404	-0.00039	0.99326	0.259684
0.0461	0.32018	0.020672	0.6559	0.196921	1.82E-05	0.07023	0.12965	0.213412
-0.06755	0.145	0.038313	0.40878	0.045816	0.32317	0.08984	0.05236	0.014187
0.042949	0.35441	0.172728	0.00018	0.055105	0.23462	0.080802	0.0811	0.021404
-0.02022	0.66299	0.025086	0.58869	0.158293	0.0006	0.144278	0.00177	0.319148
-0.03077	0.50716	-0.08294	0.07335	-0.05577	0.22898	-0.08057	0.08198	-0.03082
0.058667	0.20569	-0.08443	0.0683	-0.05736	0.21598	-0.03845	0.40717	0.109906

0.056826	0.2203	0.056706	0.22128	0.023887	0.60663	0.054417	0.24052	0.027574
0.013646	0.76866	-0.04204	0.36473	-0.01933	0.67692	-0.04694	0.31141	0.024576
0.026095	0.57377	-0.06573	0.15614	-0.00067	0.98852	-0.06661	0.15067	0.121317
0.087101	0.06	-0.04766	0.30402	0.018872	0.68418	-0.08698	0.06035	-0.07391
-0.04809	0.29969	-0.11429	0.01346	-0.11834	0.01048	0.014749	0.75057	0.231844
0.05154	0.26634	0.02933	0.52721	-0.05269	0.25584	0.007791	0.86666	-0.03373
0.02636	0.56988	-0.08514	0.06603	-0.09008	0.05174	-0.03949	0.39455	0.048873
0.044014	0.34259	-0.01754	0.70545	-0.06442	0.1646	0.019362	0.67643	-0.04134
0.014448	0.75549	-0.06497	0.16098	-0.04591	0.32221	-0.09069	0.05017	-0.04492
0.122889	0.00785	-0.00493	0.91536	0.074267	0.10897	0.022128	0.63339	0.06352
-0.00032	0.99452	-0.04993	0.28153	-0.03561	0.44262	-0.07726	0.0954	-0.02279
-0.02345	0.61319	-0.05083	0.27301	-0.10577	0.02226	-0.05286	0.25428	-0.02143
-0.07764	0.09375	0.149062	0.00123	-0.04671	0.31382	0.130608	0.0047	-0.01034
-0.02997	0.51823	0.052837	0.25447	0.074119	0.10968	0.006659	0.88588	0.087206
-0.04332	0.35022	-0.11029	0.01711	-0.19516	2.17E-05	-0.16521	0.00034	0.052077
-0.03173	0.49398	0.024252	0.60114	-0.1064	0.02147	-0.07044	0.12851	-0.21516
0.101928	0.02763	0.252417	3.20E-08	0.245844	7.39E-08	0.169873	0.00023	0.083047
0.067326	0.14631	-0.05752	0.21471	-0.0945	0.04123	-0.06857	0.13899	0.043902
0.003099	0.94676	-0.07346	0.11289	-0.12763	0.00574	-0.05826	0.20887	0.062804
0.032151	0.48825	-0.11189	0.01556	-0.1753	0.00014	-0.11073	0.01667	0.032163
-0.05661	0.22209	0.023698	0.60947	-0.15054	0.0011	0.015907	0.73171	-0.01412
0.06932	0.13471	0.095044	0.04007	0.055449	0.2317	0.111558	0.01587	-0.00659
-0.10882	0.01866	-0.05638	0.22397	-0.05066	0.27458	-0.08103	0.08024	-0.00907
-0.05331	0.25024	-0.10023	0.03034	-0.06813	0.14157	-0.03978	0.39107	0.208788
0.021615	0.64128	-0.00924	0.84215	-0.01277	0.78306	-0.03366	0.46804	0.141803
-0.10829	0.01924	-0.26644	4.96E-09	-0.23139	4.29E-07	-0.21524	2.68E-06	0.002564
0.086638	0.06138	0.097696	0.03481	0.04176	0.3679	0.057182	0.21742	0.002193
0.002672	0.95407	-0.14339	0.00189	-0.11842	0.01043	-0.14917	0.00123	-0.12246
-0.02787	0.548	0.001412	0.97573	-0.04046	0.38307	0.00166	0.97147	-0.03176
0.01833	0.69278	0.169489	0.00023	0.136754	0.00306	0.215627	2.57E-06	0.002693
-0.09161	0.04787	0.04593	0.32197	-0.03754	0.41834	0.121264	0.00871	0.065996
-0.02234	0.63011	-0.05911	0.2023	-0.02155	0.64235	-0.04578	0.32351	0.067702
0.039523	0.39413	-0.12667	0.00612	-0.04683	0.31257	-0.14736	0.00141	-0.07143
-0.01285	0.78185	-0.0633	0.17207	-0.06346	0.17096	-0.06171	0.18313	0.118806
0.108151	0.0194	0.053389	0.24954	0.147606	0.00138	0.17203	0.00019	0.186811
0.036311	0.43372	-0.08793	0.05761	0.026696	0.56498	-0.12166	0.00849	0.110353
-0.02031	0.66153	0.13088	0.00461	0.093909	0.04252	0.050508	0.27604	-0.05365
-0.01738	0.70798	-0.10136	0.02851	-0.04484	0.33356	-0.16742	0.00028	-0.26901
0.033079	0.47577	-0.02549	0.58264	-0.0278	0.54897	-0.06164	0.18362	-0.04124
0.063644	0.16973	-0.01208	0.79464	0.108886	0.01859	-0.01216	0.79319	0.183275
0.019723	0.67076	0.011481	0.80456	-0.02249	0.6278	0.087128	0.05992	0.133234
-0.01966	0.6718	-0.21014	4.64E-06	-0.1577	0.00063	-0.16782	0.00027	0.083483
0.05981	0.19698	-0.00798	0.86345	0.084546	0.06794	-0.02002	0.66603	0.009905
-0.02723	0.55726	-0.14178	0.00213	-0.08579	0.06398	-0.12638	0.00624	-0.10516
0.097657	0.03488	-0.03194	0.49109	0.050996	0.27142	-0.05007	0.28023	-0.02318

-0.12734	0.00586	-0.04613	0.3199	-0.18438	6.12E-05	-0.07829	0.09105	-0.0964
-0.04109	0.37559	-0.00402	0.93092	-0.02362	0.61073	-0.01669	0.71907	0.038293
-0.02441	0.59873	0.051231	0.26921	0.021951	0.6361	-0.0481	0.29964	0.092561
0.001116	0.98082	-0.06969	0.13264	0.041225	0.37407	-0.03908	0.39942	-0.02942
0.02901	0.53173	-0.09027	0.05123	-0.08702	0.06024	-0.07921	0.08729	0.217982
-0.05001	0.28077	-0.08757	0.05863	-0.03854	0.40605	-0.02694	0.56143	0.107307
-0.07466	0.10712	-0.06274	0.17588	-0.09638	0.03733	-0.12036	0.00923	-0.14536
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0.12216	0.00822	-0.00291	0.95007	0.099461	0.03164	-0.01397	0.76326	-0.01003
0.047863	0.30201	0.045359	0.32803	0.1238	0.0074	0.096012	0.03807	0.220818
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-0.04704	0.31038	-0.11835	0.01047	-0.13063	0.00469	-0.00603	0.89665	0.046424
0.027105	0.55904	-0.02676	0.56405	-0.04942	0.28652	-0.06952	0.13356	-0.0959
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0.115262	0.01269	0.001044	0.98204	0.133897	0.00375	-0.00013	0.99785	0.120487
0.105418	0.02271	-0.01426	0.75856	0.118812	0.01018	-0.02164	0.6409	0.151092
-0.02661	0.56623	-0.0078	0.86651	-0.03839	0.40787	-0.0377	0.41632	-0.05556
0.114624	0.01319	-0.03087	0.50578	0.1052	0.02299	0.076112	0.10043	0.172238
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0.007227	0.87622	-0.18548	5.52E-05	-0.1807	8.60E-05	-0.18943	3.79E-05	0.094071
0.10948	0.01795	-0.02089	0.65244	0.062964	0.17435	0.030866	0.50581	0.065896
0.144023	0.00181	0.024156	0.60258	-0.03555	0.44338	-0.02241	0.62907	-0.08721
-0.03751	0.41874	-0.14113	0.00224	-0.15537	0.00075	-0.19505	2.19E-05	-0.21585
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-0.02359	0.61109	-0.00998	0.82976	-0.10657	0.02126	-0.06697	0.14843	-0.03956
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0.07911	0.0877	0.15821	0.0006	0.085671	0.06434	0.121679	0.00848	0.085024
0.016572	0.72095	0.128327	0.00548	0.045513	0.32639	0.157301	0.00065	-0.04608
0.020172	0.66371	0.00966	0.83508	-0.1411	0.00224	-0.04542	0.3274	-0.11269
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0.029079	0.53075	0.02381	0.60779	0.020088	0.66502	0.077088	0.09613	0.084225
0.014026	0.76241	0.019808	0.66942	0.067076	0.14782	0.053885	0.24516	0.228849
0.116268	0.01192	0.011223	0.80886	0.066599	0.15073	0.052081	0.26134	0.117735
-0.03192	0.49134	-0.04617	0.31947	0.127536	0.00578	0.12511	0.00679	0.408552
0.088578	0.05577	-0.04051	0.38246	-0.07109	0.12502	-0.05559	0.23054	-0.07865
0.043069	0.35306	-0.05974	0.19754	-0.09326	0.04398	-0.10602	0.02193	-0.02084
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0.029383	0.52647	0.286688	2.76E-10	0.15842	0.00059	0.216125	2.43E-06	0.018994
0.014768	0.75025	-0.10505	0.02319	-0.05133	0.26824	-0.09419	0.04189	0.074611
-0.03202	0.48996	-0.13805	0.00279	-0.08861	0.05569	-0.00298	0.94884	0.159735
0.371465	9.99E-17	0.011132	0.81038	0.09291	0.04477	0.000817	0.98594	0.026201
0.007479	0.87194	0.038995	0.40049	-0.11572	0.01233	-0.00193	0.96683	-0.09252

0.05678	0.22068	-0.00501	0.914	0.007037	0.87945	0.03289	0.47829	-0.04437
-0.00925	0.84191	-0.03902	0.40016	-0.07416	0.1095	-0.03758	0.41778	-0.0685
0.187235	4.67E-05	0.02507	0.58893	0.043024	0.35356	0.012332	0.7904	-0.03818
0.081504	0.07849	-0.0365	0.43137	0.036547	0.43073	-0.04945	0.28619	0.083243
0.025893	0.57674	0.223424	1.08E-06	0.025778	0.57844	0.151741	0.001	-0.0712
0.06505	0.16048	0.018984	0.68241	0.038382	0.40794	-0.01635	0.72447	0.018825
0.118833	0.01016	0.089075	0.05441	0.200573	1.26E-05	0.109461	0.01797	0.097983
0.087618	0.05849	-0.03172	0.49414	0.046966	0.31116	-0.0341	0.46224	0.065735
0.059972	0.19577	0.003417	0.94129	0.054867	0.23665	-0.00195	0.96655	0.062078
0.008679	0.85162	0.023908	0.60631	0.091143	0.04902	-0.02058	0.65728	0.095628
0.007777	0.86689	0.121827	0.0084	-0.04583	0.32304	0.104108	0.02446	0.026053
-0.00962	0.83583	-0.04887	0.29196	-0.03382	0.46595	0.013265	0.77496	0.163088
-6.21E-05	0.99893	-0.01068	0.81803	0.084313	0.0687	0.027619	0.5516	0.139623
0.024916	0.59121	-0.01457	0.7535	0.047273	0.30801	-0.01954	0.67356	0.262002
-0.0272	0.55764	-0.22278	1.16E-06	-0.20633	6.95E-06	-0.15148	0.00102	0.096818
-0.13438	0.00362	-0.12682	0.00606	-0.16068	0.00049	-0.04684	0.31246	0.181086
0.192931	2.70E-05	0.195315	2.13E-05	0.195486	2.10E-05	0.103691	0.02504	0.020144
-0.03241	0.4848	0.077068	0.09622	-0.02304	0.61938	0.034486	0.4572	-0.20753
0.04724	0.30835	-0.01517	0.74365	0.040123	0.38699	0.044062	0.34206	0.149267
0.048388	0.29672	-0.04654	0.31558	0.04247	0.3598	-0.046	0.32119	-0.02176
-0.05618	0.22558	-0.12616	0.00634	-0.21151	4.01E-06	-0.05172	0.26462	-0.073
-0.01438	0.75665	-0.00376	0.93544	0.003241	0.94431	-0.0051	0.9125	0.007642
0.004326	0.92571	-0.08308	0.07286	-0.04024	0.38555	-0.0689	0.13709	0.014378
-0.00255	0.95611	-0.1486	0.00128	-0.16218	0.00043	-0.08306	0.07293	0.084793
0.046008	0.32115	-0.00715	0.8776	-0.01231	0.79083	-0.03743	0.41971	-0.02263
-0.00054	0.99065	-0.04258	0.35859	-0.05584	0.22841	-0.04297	0.35419	-0.02385
0.354425	2.87E-15	0.070344	0.12902	0.099675	0.03127	0.115617	0.01241	0.052277
0.00633	0.89148	-0.14721	0.00142	-0.0747	0.1069	-0.06078	0.18979	0.10424
-0.08998	0.05199	-0.07852	0.09009	-0.22426	9.79E-07	-0.07608	0.10056	-0.00015
-0.03946	0.39486	-0.0246	0.59599	-0.15876	0.00057	0.015671	0.73555	0.062282
-0.01071	0.81751	-0.00069	0.98813	0.047928	0.30135	0.017779	0.70157	0.066905
0.057101	0.21807	0.07769	0.09356	0.024868	0.59193	0.045363	0.32799	0.028212
0.010483	0.82125	0.06636	0.15221	-0.08161	0.07808	0.015226	0.74278	-0.10263
-0.0041	0.92966	-0.0147	0.75139	-0.05063	0.27485	-0.04279	0.35623	0.00769
-0.00765	0.86903	-0.04288	0.35515	-0.05759	0.21415	-0.03159	0.49592	0.06409
-0.00512	0.91208	0.0366	0.43007	0.05026	0.27841	0.045151	0.33025	0.086903
0.025237	0.58644	0.056831	0.22026	-0.09494	0.04029	-0.05073	0.2739	-0.16333
0.029694	0.52211	-0.01412	0.76092	-0.0567	0.22134	-0.02456	0.59648	0.004702
0.124802	0.00693	0.070177	0.12994	0.090712	0.0501	0.084313	0.0687	0.111405
0.125313	0.0067	0.298943	4.27E-11	0.296668	6.08E-11	0.277897	9.96E-10	0.072615
-0.07215	0.11945	0.045374	0.32787	0.02626	0.57136	0.051895	0.26305	-0.13039
0.01636	0.72437	0.115922	0.01218	0.106597	0.02122	0.115356	0.01261	0.058663
0.014159	0.76024	0.155071	0.00077	0.094012	0.04229	0.125586	0.00658	0.047471
0.036293	0.43394	-0.04016	0.38652	-0.06486	0.16168	-0.03785	0.41445	-0.00387
0.049288	0.28782	-0.00462	0.92065	0.005638	0.90329	-0.04077	0.37942	-0.02113

0.03573	0.44112	0.007824	0.8661	0.069821	0.1319	0.05015	0.27946	0.074636
-0.08015	0.0836	-0.16825	0.00026	-0.09116	0.04897	-0.16921	0.00024	0.002079
-0.11682	0.01153	-0.19385	2.47E-05	-0.13301	0.00398	-0.17283	0.00017	0.126221
0.031378	0.49877	-0.04269	0.35727	0.073799	0.11123	-0.02377	0.6084	0.072689
-0.09277	0.04509	0.037108	0.42369	-0.00467	0.91981	0.161353	0.00046	0.100538
0.047722	0.30343	-0.11441	0.01336	-0.05275	0.25528	-0.04481	0.33393	0.113246
0.018894	0.68383	-0.06935	0.13453	-0.02375	0.60869	-0.03894	0.40121	0.020076
0.196915	1.82E-05	0.01935	0.67663	0.046788	0.313	0.069897	0.13148	0.148777
0.106858	0.02091	0.001115	0.98083	0.057527	0.21465	0.069685	0.13266	0.148846
0.032491	0.48365	-0.01159	0.80277	0.018911	0.68356	0.01111	0.81075	0.115053
0.158626	0.00058	0.040023	0.38817	0.072903	0.11565	0.059698	0.19783	0.131051
0.00407	0.9301	0.095745	0.03861	0.059819	0.19691	0.126832	0.00606	-0.03575
-0.00834	0.85728	-0.0441	0.34162	-0.05787	0.21193	-0.06835	0.14027	0.042641
0.302864	2.31E-11	0.025075	0.58884	0.077159	0.09583	0.045665	0.32477	0.061853
-0.02393	0.606	0.02058	0.65733	0.014873	0.74855	-0.0034	0.94157	0.007106
0.0963	0.0375	-0.03091	0.50513	-0.00282	0.95147	-0.01852	0.68983	0.052744
-0.01048	0.82133	0.001334	0.97706	0.018127	0.696	0.046334	0.31773	0.106353
0.001269	0.97818	0.058041	0.21058	0.035863	0.43942	0.031265	0.50031	0.075499
-0.06063	0.1909	0.044311	0.33934	0.026071	0.57412	-0.00226	0.96107	0.092617
3.88E-05	0.99933	0.126837	0.00606	0.007035	0.87949	0.057403	0.21564	-0.0012
-0.03037	0.51262	0.033125	0.47516	0.067391	0.14593	0.059485	0.19943	0.189543
0.074631	0.10724	-0.02754	0.55273	0.091148	0.04901	-0.01133	0.80712	0.091371
0.009926	0.83061	-0.0352	0.44793	-0.03133	0.49948	-0.03483	0.45273	-0.05455
0.001553	0.97329	0.066344	0.1523	0.072864	0.11584	0.083403	0.07176	0.14464
0.007889	0.86498	0.094911	0.04035	0.062785	0.17558	0.107247	0.02044	-0.00209
-0.02442	0.59863	-0.04971	0.2837	-0.10619	0.02172	0.034162	0.46143	0.076672
-0.02673	0.56442	0.006283	0.89229	0.008307	0.85791	0.009422	0.83909	0.030117
-0.00515	0.91164	0.026726	0.56454	0.009912	0.83084	0.006084	0.89568	-0.05823
0.054959	0.23587	-0.03408	0.46252	-0.03073	0.50768	-0.00793	0.86423	0.063464
-0.04506	0.33123	-0.06705	0.14796	-0.01948	0.6746	-0.02387	0.60689	0.032372
0.08192	0.07697	0.036009	0.43756	0.045757	0.3238	0.013415	0.77248	0.061741
0.030758	0.50729	0.021185	0.64793	0.092826	0.04497	-0.01259	0.78613	0.003927
-0.02218	0.63255	-0.06775	0.14379	-0.06428	0.16552	-0.04751	0.30559	-0.06911
-0.01996	0.667	-0.01686	0.71626	-0.0102	0.82593	-0.01481	0.74958	-0.01032
0.007307	0.87487	0.069782	0.13212	0.015257	0.74227	-0.01477	0.75016	-0.24232
0.090464	0.05074	-0.02521	0.58679	0.04789	0.30173	0.061451	0.18495	0.271678
0.055981	0.22726	0.045692	0.32449	-0.01092	0.81395	0.046226	0.31886	0.011696
0.148393	0.0013	-0.00466	0.91999	0.073601	0.11219	-0.10372	0.025	-0.00697
0.023816	0.6077	0.054897	0.23639	0.033056	0.47607	0.088609	0.05569	0.090447
-0.03749	0.41894	0.08693	0.0605	0.064972	0.16099	0.073656	0.11192	0.027356
0.005074	0.91292	-0.0901	0.05168	-0.00422	0.92759	-0.13359	0.00383	0.029846
-0.01185	0.79846	0.003895	0.93311	-0.01829	0.69348	0.002779	0.95224	-0.06319
-0.00212	0.96349	0.040055	0.3878	-0.04188	0.36651	0.033246	0.47354	-0.13041
-0.03851	0.40637	-0.0701	0.13037	-0.10163	0.02809	-0.06848	0.13952	-0.11887
0.210658	4.39E-06	0.054099	0.24329	0.083017	0.07309	0.086406	0.06208	0.012664

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0.039595	0.39327	0.126532	0.00618	0.10861	0.01889	0.092579	0.04555	0.04921
-0.02344	0.61333	-0.03492	0.45157	-0.11676	0.01156	-0.08831	0.05653	0.054006
0.034766	0.45355	-0.0169	0.71571	-0.12149	0.00859	-0.00079	0.98637	-0.03821
0.024184	0.60216	-0.15931	0.00055	-0.10099	0.0291	-0.15431	0.00082	0.002089
-0.02157	0.64191	-0.06659	0.15078	-0.08891	0.05487	-0.09796	0.03432	-0.08282
-0.02768	0.55068	-0.05325	0.25077	-0.07476	0.10663	-0.03074	0.50751	0.034221
0.000232	0.99601	0.076521	0.09861	0.074993	0.10554	0.065613	0.15688	0.06215
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-0.02463	0.59544	-0.09195	0.04705	-0.10439	0.02407	-0.05673	0.22109	-0.08179
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0.02167	0.64044	0.13853	0.0027	0.085931	0.06353	0.185315	5.60E-05	-0.02127
0.028119	0.54442	-0.03811	0.41126	0.022269	0.63123	-0.04456	0.3366	0.01124
-0.01471	0.75128	-0.01019	0.82615	-0.03194	0.49116	-0.01709	0.71268	0.028699
-0.02311	0.6184	-0.0236	0.611	-0.03624	0.43465	0.002825	0.95145	-0.06951
0.018827	0.68489	-0.06032	0.19318	-0.04509	0.33091	-0.10945	0.01799	-0.10591
-0.07142	0.12327	0.06377	0.16889	-0.05287	0.2542	0.098715	0.03295	0.013692
0.107894	0.01969	-0.03996	0.3889	0.004889	0.91609	-0.0946	0.04101	-0.25462
0.01034	0.82364	-0.05614	0.22592	-0.03435	0.45892	-0.16238	0.00043	-0.04042
-0.01471	0.75119	-0.0397	0.39205	0.118123	0.01063	0.033887	0.46506	0.247134
0.133556	0.00384	-0.05877	0.20488	-0.03077	0.50713	-0.08838	0.05633	-0.10744
0.060908	0.18887	0.139262	0.00256	0.145751	0.00159	0.176765	0.00012	0.034954
0.013907	0.76437	-0.02016	0.66397	-0.03197	0.49063	-0.02082	0.65365	-0.01203
0.072451	0.11792	0.007449	0.87245	-0.0295	0.52479	0.005194	0.91087	-0.01756
0.060628	0.19091	0.187772	4.44E-05	0.147247	0.00142	0.336426	8.05E-14	0.286465
0.001324	0.97723	0.265306	5.79E-09	0.246791	6.56E-08	0.295388	7.41E-11	0.173795
0.093997	0.04232	0.189283	3.84E-05	0.150415	0.00111	0.225948	8.07E-07	-0.05297
-0.11671	0.0116	-0.04738	0.30689	-0.08627	0.06248	-0.00243	0.95831	-0.0712
-0.1614	0.00046	0.04173	0.36824	0.003371	0.94209	0.094489	0.04125	-0.03336
-0.00767	0.86874	-0.01402	0.76259	0.081855	0.07721	-0.05179	0.26398	0.149891
4.13E-05	0.99929	0.009189	0.843	0.047457	0.30613	-0.00682	0.88311	0.023182
0.022246	0.63158	0.029372	0.52662	-0.02526	0.5861	0.107025	0.02071	0.087918
0.022673	0.62504	-0.11457	0.01323	-0.15986	0.00053	-0.17325	0.00017	-0.12197
0.082572	0.07464	-0.01996	0.66697	0.035366	0.44579	-0.01296	0.78006	0.153095
0.021615	0.64128	0.0844	0.06841	0.101309	0.02859	0.007854	0.86557	0.103284
-0.09541	0.0393	0.114942	0.01294	0.128995	0.00524	0.154907	0.00078	0.193376
-0.02132	0.64592	0.002293	0.96058	0.186556	4.98E-05	0.123727	0.00743	0.187525
-0.01711	0.71226	0.031075	0.50292	0.230603	4.70E-07	0.136622	0.00309	0.129401
-0.00995	0.83017	0.096905	0.03631	0.202771	1.00E-05	0.236888	2.23E-07	0.038832
-0.02468	0.5947	0.113921	0.01377	0.123	0.00779	0.126637	0.00614	0.098408
0.061741	0.18288	0.091667	0.04773	0.157957	0.00061	0.116196	0.01198	0.410504
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-0.04797	0.30097	-0.02409	0.60363	-0.02897	0.53228	0.018234	0.69431	-0.00495
0.034656	0.45498	-0.00147	0.97471	-0.00598	0.89737	0.032171	0.48798	0.132292



0.029667	0.52247	-0.04476	0.33442	-0.06355	0.17034	0.03435	0.45898	0.186362
0.024493	0.59752	-0.01646	0.72274	0.024984	0.5902	-0.01947	0.67471	-0.04639
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-0.08418	0.06915	-0.03718	0.42283	-0.11829	0.01052	-0.09198	0.04697	-0.02497
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0.040877	0.37812	0.046531	0.31567	0.113759	0.0139	0.069995	0.13094	0.242929
0.033091	0.47562	-0.02609	0.57382	-0.03711	0.42369	-0.00441	0.9243	-0.01542
0.072293	0.11873	-0.01966	0.67173	0.006278	0.89236	-0.00653	0.88816	0.033311
0.031639	0.4952	-0.0595	0.19929	-0.03825	0.40954	0.005004	0.91412	0.159871
0.149893	0.00116	0.090296	0.05117	0.064666	0.16297	0.119706	0.00962	0.117638
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0.125805	0.00648	-0.01364	0.76872	0.046542	0.31556	-0.05339	0.24954	0.032601
-0.00055	0.99057	-0.06633	0.15238	-0.06007	0.19507	-0.04213	0.36371	0.110879
0.374213	5.70E-17	0.290866	1.48E-10	0.252897	3.01E-08	0.222683	1.17E-06	0.013282
-0.01771	0.7026	0.102315	0.02704	0.128079	0.00557	0.041936	0.36588	0.082816
0.078061	0.092	-0.03175	0.49365	0.014421	0.75593	-0.05361	0.24761	-0.01309
0.228181	6.24E-07	0.109874	0.01754	0.065454	0.15789	0.064141	0.16642	0.023897
0.072357	0.11841	0.160718	0.00049	0.124698	0.00697	0.127206	0.00591	0.099337
0.094231	0.04181	0.133815	0.00377	0.053167	0.25151	0.064065	0.16692	-0.00129
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0.11748	0.01106	0.033275	0.47316	-0.02518	0.5873	-0.0133	0.77431	-0.07636
0.064205	0.16599	-0.0862	0.0627	-0.03595	0.43837	-0.12064	0.00906	0.112214
0.067584	0.14477	0.22033	1.53E-06	0.206941	6.52E-06	0.333944	1.25E-13	0.307156
0.057354	0.21604	-0.03975	0.3914	-0.10398	0.02463	-0.05354	0.2482	0.119021
0.209033	5.22E-06	0.137429	0.00292	0.14869	0.00127	0.048152	0.29909	-0.05648
0.293721	9.56E-11	0.114811	0.01304	0.226179	7.86E-07	0.049372	0.287	0.046173
0.142643	0.002	0.050556	0.27558	0.031699	0.49438	0.009221	0.84246	0.006588
0.023053	0.61926	0.017136	0.71187	0.005369	0.90787	0.089404	0.05352	0.176
0.019451	0.67504	0.10675	0.02104	0.072977	0.11528	0.034577	0.45601	0.067702
0.086052	0.06316	0.08675	0.06104	0.072041	0.12002	0.089503	0.05325	0.096262
0.022152	0.63302	-0.10208	0.02739	-0.09529	0.03955	-0.08901	0.05458	0.021899
-0.01331	0.77418	-0.11279	0.01474	-0.05761	0.214	-0.11743	0.01109	0.12961
0.150866	0.00107	0.205379	7.67E-06	0.300299	3.46E-11	0.210924	4.27E-06	0.109782
-0.01327	0.77491	0.010694	0.81772	-0.21686	2.24E-06	-0.01737	0.70812	-0.17033
-0.12557	0.00659	-0.084	0.06975	-0.2465	6.81E-08	-0.10223	0.02717	-0.12985
-0.11137	0.01605	-0.24145	1.28E-07	-0.20813	5.75E-06	-0.25349	2.79E-08	0.020201
0.061998	0.18107	-0.15603	0.00072	-0.05717	0.2175	-0.16286	0.00041	0.104764
-0.12361	0.00749	-0.04186	0.36675	-0.09096	0.04948	-0.11831	0.0105	-0.0769
0.023054	0.61924	-0.04619	0.31926	0.009432	0.83892	-0.06718	0.14721	0.03766
-0.00343	0.94101	-0.04569	0.32449	-0.00287	0.95072	-0.06723	0.14687	-0.03886
0.144329	0.00177	0.10279	0.02633	0.131391	0.00445	-0.00298	0.94871	-0.07068
-0.02999	0.51793	0.04696	0.31123	-0.00896	0.84681	-0.0209	0.65238	-0.05425
-0.04587	0.32263	-0.09601	0.03808	-0.11249	0.01501	-0.06613	0.1536	0.036183

0.00133	0.97714	-0.02994	0.51868	-0.01019	0.82616	0.001707	0.97066	0.080259
0.006532	0.88804	-0.00975	0.83362	0.010151	0.82682	0.028646	0.5369	0.073917
-0.01153	0.8037	0.023809	0.6078	-0.09272	0.04522	0.086314	0.06236	0.012097
0.014035	0.76227	-0.02112	0.64888	-0.0274	0.55478	-0.03999	0.38863	0.054224
0.039195	0.39808	-0.07318	0.11425	0.02342	0.61368	-0.04521	0.32959	-0.02175
0.017623	0.70406	-0.00632	0.89159	0.052751	0.25525	-0.00119	0.9796	0.277414
-0.10243	0.02687	-0.19854	1.55E-05	-0.11756	0.01101	-0.16403	0.00037	0.124831
0.037827	0.41476	-0.04051	0.38242	-0.01216	0.79326	-0.00544	0.90674	0.058459
0.033619	0.46859	-0.05351	0.24843	-0.00186	0.96799	-0.04197	0.36549	-0.00841
0.392374	1.22E-18	0.221239	1.38E-06	0.268895	3.54E-09	0.225841	8.17E-07	0.075504
-0.10747	0.02018	-0.04335	0.34992	0.012509	0.78746	-0.12396	0.00732	-0.03197
0.090632	0.05031	0.013379	0.77306	0.074915	0.10591	0.004832	0.91705	0.082249
0.037651	0.41694	-0.04139	0.37215	-0.082	0.0767	-0.07667	0.09794	-0.09199
0.009144	0.84376	-0.09623	0.03764	-0.04444	0.33795	-0.13014	0.00485	-0.03757
-0.03202	0.48998	0.157136	0.00065	-0.06734	0.14625	0.123805	0.00739	-0.04572
0.052959	0.25338	-0.00301	0.94824	0.051285	0.26871	-0.03215	0.48821	-0.0614
-0.06034	0.193	-0.06447	0.16422	-0.05733	0.21624	-0.13655	0.00311	-0.16854
0.017941	0.69898	-0.05274	0.25531	-0.09194	0.04706	-0.10033	0.03017	0.012673
-0.00966	0.83503	-0.09699	0.03615	-0.06077	0.18988	-0.16831	0.00026	-0.10552
-0.08906	0.05445	0.062348	0.17861	-0.08088	0.08082	0.130066	0.00487	0.170479
0.013527	0.77063	0.192875	2.71E-05	0.060755	0.18998	0.168454	0.00026	-0.15601
0.25216	3.31E-08	-0.00552	0.9053	0.041139	0.37508	0.017556	0.70513	0.091548
-0.02177	0.63893	-0.01104	0.81195	-0.08726	0.05952	0.011261	0.80824	0.112696
-0.10218	0.02724	0.005522	0.90527	0.007946	0.86401	0.057762	0.21279	-0.06346
-0.06536	0.15849	-0.13778	0.00285	-0.03776	0.41553	-0.15789	0.00062	-0.10891
-0.00439	0.92466	-0.10149	0.0283	-0.14193	0.00211	-0.12863	0.00537	-0.01333
0.106045	0.02191	0.036923	0.42601	-0.05127	0.26884	0.023501	0.61246	0.021371
-0.05701	0.21883	0.14141	0.00219	-0.00362	0.93779	0.081837	0.07727	-0.15588
0.05745	0.21527	-0.10232	0.02703	-0.0299	0.51923	-0.10238	0.02695	0.080357
0.08594	0.06351	0.016263	0.72594	0.110872	0.01653	0.040378	0.38397	0.006036
0.081007	0.08033	0.017313	0.70902	0.048137	0.29924	-0.0375	0.41883	-0.13184
-0.00123	0.9788	0.185637	5.44E-05	-0.01599	0.73036	0.192056	2.94E-05	-0.03108
0.042764	0.35648	0.119135	0.00997	-0.0067	0.88512	0.024315	0.60019	-0.14867
-0.01218	0.79285	0.085375	0.06527	0.070879	0.12614	0.142006	0.0021	0.037322
-0.00875	0.85042	0.097946	0.03434	0.051235	0.26917	0.078281	0.09108	0.018081
-0.0634	0.17136	0.047316	0.30756	-0.03835	0.40834	0.067482	0.14538	-0.0181
-0.00688	0.8822	-0.02493	0.59102	0.013106	0.77758	-0.01136	0.80656	-0.02163
-0.00802	0.86282	-0.04886	0.29205	-0.04484	0.33356	-0.07375	0.11145	-0.04543
-0.02081	0.65379	-0.04133	0.37283	-0.05117	0.26975	-0.08135	0.07907	-0.04525
0.004756	0.91837	0.002231	0.96164	0.046376	0.31729	0.019396	0.6759	-0.00764
-0.01053	0.82049	-0.0278	0.54896	0.010138	0.82703	-0.00091	0.98443	-0.00926
0.000622	0.9893	-0.02842	0.54011	0.013831	0.76563	0.019848	0.66879	0.09437
-0.01269	0.7844	-0.01626	0.72596	-0.00089	0.98463	-0.0439	0.34385	-0.02873
0.046045	0.32075	-0.05952	0.19919	-0.05824	0.209	-0.01912	0.68021	0.024728
0.001533	0.97365	-0.05276	0.25513	-0.09321	0.04408	0.008814	0.84934	-0.00307

0.047214	0.30861	-0.04691	0.31173	0.014507	0.75453	-0.03464	0.45524	-0.02083
0.022233	0.63177	0.033845	0.4656	0.093534	0.04335	0.082559	0.07469	0.032969
-0.07681	0.09736	-0.00689	0.8819	-0.0324	0.4849	0.016006	0.7301	-0.05956
-0.01031	0.82413	-0.04403	0.34247	-0.02909	0.53065	-0.02352	0.61216	-0.02726
-0.08788	0.05773	-0.03122	0.50091	-0.20526	7.77E-06	-0.02069	0.65564	-0.15251
0.057812	0.21239	0.024172	0.60234	0.055606	0.23039	0.052332	0.25905	0.018397
0.052859	0.25427	-0.01737	0.70816	-0.02512	0.58811	-0.01949	0.67445	0.045029
0.126437	0.00622	0.186431	5.04E-05	0.12335	0.00762	0.082323	0.07552	0.017543
0.013904	0.76442	-0.04799	0.30068	-0.10083	0.02935	-0.01952	0.67391	0.091211
-0.06367	0.16958	-0.0273	0.55628	-0.08524	0.0657	-0.04644	0.31658	-0.04267
0.040293	0.38498	0.326294	4.79E-13	0.186264	5.12E-05	0.167454	0.00028	0.002503
0.198463	1.56E-05	0.005807	0.90039	0.105628	0.02244	0.035716	0.4413	0.124431
0.046389	0.31715	-0.08408	0.06948	-0.02594	0.57603	-0.08115	0.07981	0.021808
0.010872	0.81474	0.139256	0.00256	-0.0041	0.9296	0.113878	0.0138	-0.04092
0.013968	0.76338	0.016403	0.72367	0.063377	0.17153	0.030603	0.50943	0.052031
0.014203	0.75952	-0.10325	0.02567	-0.17417	0.00016	-0.03287	0.47856	0.060717
-0.02657	0.56677	0.054316	0.2414	-0.08621	0.06267	-0.03402	0.46335	-0.23771
-0.02058	0.65739	0.019656	0.6718	-0.15837	0.00059	-0.03293	0.47775	-0.03093
0.032364	0.48537	0.096602	0.0369	0.004155	0.92865	0.048921	0.29143	0.010461
-0.06176	0.18277	-0.02975	0.52136	-0.03921	0.39788	-0.08673	0.06111	-0.19432
0.16018	0.00051	0.25092	3.88E-08	0.323325	7.97E-13	0.309665	7.76E-12	0.146559
-0.05111	0.27036	0.055756	0.22913	-0.02582	0.57776	0.036481	0.43157	-0.19063
-0.01524	0.74263	-0.08833	0.05647	0.065171	0.1597	-0.05324	0.25084	0.024553
-0.03203	0.48992	-0.1928	2.73E-05	-0.15635	0.0007	-0.24946	4.68E-08	-0.05672
0.055589	0.23053	-0.14589	0.00157	0.041492	0.37099	-0.12445	0.00709	0.100228
0.053537	0.24822	0.002733	0.95302	-0.0219	0.63692	0.001506	0.97411	0.012878
0.029159	0.52962	-0.10359	0.02519	-0.03194	0.49104	-0.17765	0.00011	0.033
0.050327	0.27776	0.04794	0.30123	0.120476	0.00916	0.002722	0.95321	-0.01185
-0.01619	0.72709	-0.08049	0.08229	-0.18109	8.30E-05	-0.05927	0.20105	-0.09758
-0.22393	1.02E-06	-0.09364	0.04311	-0.17409	0.00016	-0.07342	0.11306	0.030926
-0.00737	0.87383	-0.08791	0.05765	-0.01273	0.78381	-0.13908	0.00259	-0.09612
0.049095	0.28972	0.019977	0.66676	0.026678	0.56524	-0.02635	0.57008	0.007257
0.024678	0.59476	-0.15776	0.00062	-0.12299	0.0078	-0.06103	0.18798	0.160341
-0.12504	0.00682	-0.15819	0.0006	-0.18829	4.22E-05	-0.15375	0.00086	0.105719
0.248829	5.07E-08	-0.09778	0.03464	-0.05267	0.25596	-0.07374	0.11151	0.019775
0.101197	0.02877	0.024168	0.60239	0.011103	0.81087	0.095486	0.03915	0.21171
0.058247	0.20896	0.027177	0.55798	-0.0215	0.64298	0.079189	0.08738	0.159329
-0.02575	0.57888	-0.07128	0.12401	-0.0597	0.19784	-0.08008	0.08387	-0.0532
-0.02464	0.59537	-0.04664	0.31454	-0.03026	0.51424	-0.04763	0.30432	-0.02515
0.008212	0.85952	-0.10839	0.01913	-0.10282	0.0263	-0.0225	0.62762	0.155495
-0.17285	0.00017	-0.12878	0.00532	-0.24182	1.22E-07	-0.24474	8.49E-08	-0.19641
-0.14686	0.00146	-0.1806	8.69E-05	-0.23536	2.67E-07	-0.25306	2.95E-08	-0.10745
-0.0524	0.25841	-0.11066	0.01675	-0.09777	0.03467	-0.04617	0.31944	0.135437
0.050589	0.27527	0.082811	0.0738	0.057738	0.21298	-0.00461	0.9208	0.035903
0.129988	0.0049	0.034018	0.46333	0.194905	2.22E-05	0.00593	0.8983	0.223131

-0.10263	0.02657	-0.13123	0.0045	-0.18829	4.23E-05	0.015894	0.73193	0.065626
-0.02621	0.57206	-0.13276	0.00405	-0.04543	0.32732	-0.06769	0.14415	0.187127
0.02174	0.63935	-0.01656	0.72119	-0.0452	0.32971	-0.03716	0.42306	0.175448
-0.03381	0.46607	-0.09921	0.03207	-0.08436	0.06855	-0.05883	0.20446	0.141136
0.030369	0.51268	-0.11976	0.00958	-0.05466	0.23839	-0.12396	0.00732	0.115143
-0.03826	0.40945	0.040874	0.37815	-0.04821	0.29846	0.073227	0.11403	0.035931
0.014169	0.76007	-0.04168	0.36883	-0.02732	0.55595	-0.01743	0.7071	0.061765
0.03184	0.49247	-0.05899	0.2032	-0.06152	0.18447	-0.04336	0.34979	-0.04475
0.033964	0.46404	-0.05952	0.19915	-0.04078	0.37925	-0.1006	0.02973	0.019228
-0.14334	0.0019	-0.03741	0.41995	-0.182	7.63E-05	-0.12041	0.0092	-0.07804
-0.03174	0.4938	-0.07178	0.12137	-0.11919	0.00993	-0.07592	0.10128	0.020314
0.081985	0.07674	0.109516	0.01791	0.040295	0.38495	-0.01846	0.69065	-0.12972
-0.02225	0.63144	-0.13399	0.00372	-0.02944	0.52561	-0.12574	0.00651	0.171552
-0.09907	0.03232	-0.04191	0.36621	-0.06369	0.16945	-0.03983	0.39046	0.031123
-0.04771	0.3035	0.00181	0.96887	-0.11192	0.01553	-0.01099	0.81274	-0.08646
-0.05045	0.27656	0.092476	0.04579	0.106801	0.02098	0.064254	0.16567	0.017677
-0.02365	0.61023	-0.04828	0.29782	0.035873	0.4393	-0.06568	0.15646	-0.01296
-0.04052	0.38227	0.109323	0.01812	0.031674	0.49472	0.00814	0.86074	-0.05122
0.147735	0.00137	-0.05325	0.25081	-0.00227	0.96092	-0.01857	0.68892	0.062737
-0.09732	0.03551	0.023602	0.61093	-0.11791	0.01077	0.023179	0.61734	-0.01752
0.000443	0.99239	0.033942	0.46433	-0.09891	0.0326	-0.03872	0.40379	-0.08976
0.020374	0.66055	-0.09394	0.04246	-0.00958	0.83642	-0.06043	0.19236	0.054422
0.008982	0.8465	0.016808	0.71714	-0.0843	0.06875	-0.02123	0.64718	-0.07976
0.016705	0.7188	0.056572	0.22238	0.013327	0.77394	0.008339	0.85736	0.061074
-0.06896	0.13677	-0.05492	0.23621	-0.04169	0.36868	-0.16784	0.00027	-0.1922
0.020708	0.65535	0.018778	0.68567	0.126256	0.00629	0.128702	0.00535	0.211752
0.074479	0.10796	-0.10006	0.03063	-0.01753	0.70553	-0.06538	0.15835	0.191035
-0.0527	0.25573	0.015685	0.73531	-0.04428	0.3397	-0.06786	0.14311	-0.17597
-0.09783	0.03456	-0.02546	0.58312	-0.07626	0.09977	-0.03184	0.49242	0.054901
0.044166	0.34092	-0.03403	0.46313	0.059608	0.1985	0.025846	0.57744	0.182773
-0.05209	0.26128	0.037907	0.41377	-0.03831	0.40881	0.101706	0.02797	0.094578
0.137513	0.0029	0.118112	0.01063	0.178352	0.00011	0.096212	0.03767	0.104085
0.265526	5.62E-09	0.151696	0.00101	0.20131	1.17E-05	0.18487	5.84E-05	0.116124
0.029383	0.52646	0.169712	0.00023	0.239303	1.66E-07	0.143243	0.00191	0.130448
0.051699	0.26486	0.189068	3.92E-05	0.151084	0.00106	0.176902	0.00012	0.125633
0.079359	0.0867	0.119662	0.00964	0.061887	0.18185	0.105898	0.02209	-0.01533
0.056512	0.22287	0.006972	0.88056	0.040048	0.38787	0.044249	0.34001	0.000636
0.052544	0.25712	0.024922	0.59112	0.026885	0.56222	0.072586	0.11724	0.026243
0.049725	0.28356	-0.02818	0.54353	-0.04281	0.35594	-0.02822	0.54293	0.006715
0.24286	1.07E-07	0.046313	0.31795	0.120028	0.00942	0.04802	0.30042	0.036981
0.059646	0.19821	-0.06914	0.13574	-0.05605	0.22667	-0.05668	0.22153	0.083849
0.025678	0.57991	0.04971	0.28371	0.029921	0.51892	0.096888	0.03634	0.078011
0.071033	0.12531	-0.01881	0.68519	0.056442	0.22345	-0.02755	0.55263	0.065338
-0.00718	0.87699	-0.02136	0.64528	-0.07709	0.09614	-0.06801	0.14227	-0.04651
0.024797	0.59298	-0.09802	0.0342	-0.09518	0.03977	-0.05991	0.19626	-0.01784

0.028538	0.53843	-0.02414	0.60284	-0.03414	0.46171	-0.05886	0.20421	-0.03996
0.037532	0.4184	-0.02046	0.65919	0.027073	0.55949	-0.01967	0.67152	0.009711
-0.01747	0.70658	-0.06191	0.18166	-0.01816	0.69553	-0.06369	0.16945	0.022258
0.140895	0.00227	-0.03646	0.43187	0.074936	0.10581	-0.0277	0.55037	0.129451
0.072773	0.1163	-0.04548	0.32672	0.008105	0.86133	-0.00194	0.96658	0.161062
0.044561	0.33662	0.105896	0.02209	0.105957	0.02202	0.212098	3.77E-06	0.230921
-0.03327	0.47318	0.182019	7.62E-05	0.08811	0.05708	0.182613	7.21E-05	0.039731
-0.08984	0.05236	-0.10974	0.01768	-0.18951	3.76E-05	-0.13366	0.00381	-0.03383
-0.04305	0.35333	-0.01936	0.67643	0.036318	0.43363	0.00895	0.84704	0.156396
0.080078	0.08387	0.11944	0.00978	0.067081	0.14779	0.146351	0.00152	-0.05625
0.009435	0.83885	0.067129	0.1475	0.186241	5.14E-05	0.093696	0.04299	0.148953
0.173365	0.00017	0.093045	0.04446	0.105289	0.02287	0.151295	0.00104	0.015824
0.032787	0.47968	-0.11352	0.0141	-0.14943	0.0012	-0.03506	0.44974	0.168838
-0.00844	0.85567	0.132337	0.00417	0.087697	0.05826	0.090242	0.05131	0.152011
0.139385	0.00254	0.086247	0.06256	0.151518	0.00102	0.056653	0.22172	0.02423
0.056895	0.21974	0.036419	0.43235	0.024998	0.58999	0.032943	0.47759	0.011323
0.028957	0.53249	-0.01908	0.68083	-0.11617	0.01199	-0.11448	0.0133	0.015686
-0.04171	0.36851	0.0305	0.51086	-0.01003	0.82889	-0.0658	0.15573	-0.15515
-0.0712	0.12445	-0.00047	0.99194	0.007465	0.87218	-0.11325	0.01434	-0.11818
-0.13692	0.00303	-0.08261	0.07449	-0.14697	0.00145	-0.16482	0.00035	-0.16678
-0.00651	0.88841	-0.07781	0.09306	0.021791	0.63856	-0.09111	0.0491	0.09183
-0.08961	0.05297	-0.08006	0.08396	-0.08489	0.06682	-0.08824	0.05671	0.103457
-0.10804	0.01953	-0.04368	0.34631	-0.21304	3.40E-06	0.020846	0.65319	0.051786
-0.00566	0.90295	0.201463	1.15E-05	0.085451	0.06503	0.138482	0.00271	0.066842
-0.1253	0.00671	0.004355	0.92522	-0.00909	0.84461	0.02355	0.61172	0.060679
0.007476	0.87199	-0.03637	0.43302	-0.03031	0.51347	0.0029	0.95017	0.111564
-0.0871	0.05999	-0.30108	3.06E-11	-0.17741	0.00012	-0.22568	8.32E-07	0.02504
0.047394	0.30677	0.056324	0.22442	0.028719	0.53586	0.056232	0.22517	0.040203
-0.08009	0.08381	-0.13187	0.00431	-0.17325	0.00017	-0.1029	0.02617	0.011771
0.067284	0.14657	-0.04294	0.35453	0.020854	0.65307	-0.04171	0.36842	0.079691
-0.11903	0.01003	-0.15903	0.00056	-0.17388	0.00016	-0.08379	0.07046	0.015892
0.060065	0.19508	0.079254	0.08712	0.032705	0.48078	0.101582	0.02816	0.048406
0.04692	0.31163	-0.03515	0.44863	0.019664	0.67168	-0.03404	0.463	-0.02617
0.060299	0.19334	-0.0466	0.31498	-0.06769	0.14415	-0.03837	0.40807	0.005459
0.010938	0.81363	-0.08813	0.05702	-0.03502	0.45024	-0.04811	0.29952	0.016676
-0.08941	0.0535	-0.13349	0.00385	-0.14981	0.00117	-0.09906	0.03233	0.192883
-0.04672	0.31368	-0.02598	0.57546	0.106272	0.02162	-0.05182	0.26371	0.130579
-0.10862	0.01888	-0.24361	9.77E-08	-0.18172	7.84E-05	-0.20278	1.00E-05	0.07119
-0.04097	0.37706	-0.14574	0.00159	-0.12852	0.00541	-0.2018	1.11E-05	-0.07944
0.029393	0.52632	-0.05355	0.2481	0.09167	0.04772	-0.00691	0.88165	0.156205
-0.04248	0.35975	-0.20001	1.33E-05	-0.09791	0.03441	-0.1465	0.0015	0.230283
0.097063	0.036	-0.0345	0.45702	0.117354	0.01115	-0.03766	0.41687	0.16771
-0.03428	0.4599	-0.02196	0.63592	0.064294	0.16541	-0.09253	0.04566	-0.03173
-0.00985	0.83183	-0.0322	0.48753	-0.01939	0.67599	-0.02739	0.55486	0.072797
0.021119	0.64896	0.018153	0.6956	0.107804	0.01979	0.012755	0.78338	0.128763

-0.01715	0.71171	0.106255	0.02165	0.18487	5.84E-05	0.095272	0.03959	0.127464
0.107428	0.02023	0.036091	0.43651	0.039211	0.39789	0.011313	0.80737	-0.08119
-0.00814	0.86075	-0.06221	0.17954	-0.0537	0.2468	-0.13764	0.00288	-0.18139
-0.02633	0.57039	-0.07563	0.10262	-0.05608	0.22639	-0.04443	0.3381	-0.01818
0.199471	1.41E-05	-0.04107	0.37586	0.128235	0.00552	-0.0689	0.13712	-0.01286
0.054691	0.23816	0.089613	0.05296	-0.05995	0.19596	0.024192	0.60204	-0.09005
-0.05072	0.27405	0.073551	0.11243	-0.06335	0.17172	0.059121	0.2022	-0.10892
0.022638	0.62558	0.085077	0.06622	-0.01302	0.77895	0.052123	0.26095	-0.07665
0.032525	0.48319	-0.05836	0.20806	-0.02365	0.6102	-0.12765	0.00574	-0.04835
0.085935	0.06352	-0.02668	0.56528	-0.05218	0.2604	-0.02428	0.60066	0.03507
0.08728	0.05947	0.02002	0.66609	0.057651	0.21366	0.020151	0.66404	0.040434
0.059016	0.203	0.078214	0.09136	0.145463	0.00162	0.078183	0.09149	0.343988
-0.04594	0.32189	-0.06162	0.18371	-0.07894	0.08837	-0.12752	0.00579	-0.10181
0.023142	0.6179	0.076429	0.09902	0.072792	0.1162	0.096916	0.03629	0.096758
0.01199	0.79608	0.028878	0.5336	-0.00283	0.95134	-0.02224	0.63165	0.034452
0.263483	7.42E-09	-0.03866	0.40456	0.082886	0.07354	-0.03688	0.4265	0.141836
0.034004	0.46351	-0.00963	0.83556	0.017513	0.70583	0.086948	0.06045	0.338176
0.089024	0.05454	-0.04747	0.30603	0.065506	0.15756	-0.05738	0.21581	0.140511
0.102183	0.02724	-0.01611	0.72841	0.020495	0.65866	0.015584	0.73695	0.02642
-0.08787	0.05775	-0.02983	0.52025	-0.08357	0.07117	-0.08191	0.07702	-0.05422
0.010108	0.82755	0.230245	4.90E-07	0.134599	0.00357	0.142021	0.00209	-0.01835
0.031239	0.50068	0.132487	0.00413	-0.0592	0.20159	0.042592	0.35843	-0.10159
-0.09239	0.04599	-0.25507	2.27E-08	-0.24027	1.48E-07	-0.10808	0.01948	0.011941
0.094625	0.04096	0.188286	4.23E-05	0.245277	7.94E-08	0.244004	9.31E-08	0.061427
-1.87E-05	0.99968	0.21214	3.75E-06	0.060937	0.18866	0.19259	2.79E-05	0.024614
0.007543	0.87085	0.218379	1.90E-06	0.052095	0.26122	0.229893	5.11E-07	0.037225
-0.11276	0.01477	-0.11637	0.01185	-0.12303	0.00777	-0.13151	0.00442	-0.03022
0.079298	0.08694	0.04974	0.28342	0.023744	0.60878	0.07709	0.09612	0.013771
-0.13264	0.00409	-0.25479	2.35E-08	-0.24999	4.38E-08	-0.27436	1.65E-09	-0.10028
0.010841	0.81525	0.028267	0.5423	0.016845	0.71656	0.027628	0.55147	-0.05651
-0.0415	0.37095	0.066268	0.15278	-0.00861	0.85273	-0.05205	0.26165	-0.2433
-0.13547	0.00336	-0.16802	0.00027	-0.09902	0.0324	-0.17654	0.00013	0.033414
0.030448	0.51158	0.061648	0.18355	-0.09048	0.05068	0.006176	0.8941	-0.09082
0.01348	0.77141	0.039732	0.39164	-0.04902	0.29046	-0.01252	0.78734	-0.06835
-0.03918	0.39824	-0.12403	0.00729	-0.13247	0.00414	-0.0371	0.42375	0.203844
-0.0834	0.07176	-0.11645	0.01179	-0.16769	0.00027	-0.07363	0.11204	-0.07337
-0.0141	0.76124	0.019961	0.66701	0.016062	0.7292	-0.07094	0.12579	-0.12031
0.341702	3.10E-14	0.200944	1.21E-05	0.217864	2.01E-06	0.197618	1.70E-05	0.137822
0.21422	2.99E-06	0.210879	4.29E-06	0.201785	1.11E-05	0.151643	0.00101	0.050713
-0.04076	0.37952	0.049426	0.28647	-0.0636	0.17006	0.086971	0.06038	-0.08352
-0.00748	0.87189	-0.03481	0.45294	0.038587	0.40544	-0.03183	0.49264	0.258193
0.060872	0.18913	0.08827	0.05663	0.065963	0.15468	0.122084	0.00826	0.127473
-0.10973	0.01769	-0.01042	0.82226	0.026027	0.57478	-0.00066	0.98861	0.109632
0.023854	0.60713	-0.09934	0.03185	-0.13354	0.00384	-0.12313	0.00772	-0.05825
0.008596	0.85302	-0.14648	0.0015	-3.49E-05	0.9994	-0.09603	0.03803	0.15755

-0.10517	0.02302	-0.22606	7.97E-07	-0.31583	2.82E-12	-0.28082	6.53E-10	-0.19484
-0.09387	0.04261	-0.20326	9.55E-06	-0.13561	0.00332	-0.16369	0.00038	-0.09476
-0.00684	0.88282	0.049314	0.28757	0.032664	0.48133	0.072598	0.11718	0.192498
-0.01226	0.79153	-0.15064	0.00109	-0.00882	0.84931	-0.07815	0.09164	0.271919
-0.00141	0.97581	-0.04659	0.3151	-0.18611	5.20E-05	-0.10015	0.03046	-0.02151
-0.01444	0.75564	-0.10476	0.02357	-0.04436	0.33884	-0.02967	0.52245	0.167699
0.039235	0.3976	0.187024	4.77E-05	0.101089	0.02894	0.149523	0.00119	-0.01844
0.005273	0.90952	0.023117	0.61828	0.083991	0.06977	-0.01245	0.78846	0.102113
0.087537	0.05872	0.300273	3.47E-11	0.281627	5.81E-10	0.248317	5.41E-08	0.240832
0.008794	0.84968	-0.0238	0.60788	-0.06152	0.18446	-0.01189	0.7977	0.049841
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0.004214	0.92763	0.063614	0.16993	0.088505	0.05597	-0.02744	0.55413	0.065312
0.088783	0.0552	-0.02203	0.63485	-0.00699	0.88019	-0.0338	0.46625	0.029652
0.012154	0.79336	0.045628	0.32516	-0.05421	0.24234	0.015448	0.73917	-0.12863
0.128245	0.00551	0.117964	0.01073	0.25272	3.08E-08	0.032677	0.48115	0.067775
0.093128	0.04427	-0.01369	0.76793	0.090697	0.05014	0.063445	0.17107	0.07065
0.027344	0.55556	-0.02442	0.59863	-0.00865	0.85205	0.013822	0.76578	0.149301
0.029756	0.52123	-0.03161	0.49564	-0.03772	0.41604	-0.04082	0.37877	0.081616
0.059695	0.19785	-0.05692	0.21956	-0.05618	0.22559	-0.08286	0.07365	-0.00973
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0.088401	0.05626	-0.06179	0.18256	-0.0468	0.31287	-0.08325	0.07229	-0.04743
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0.031209	0.50108	0.156225	0.0007	0.078584	0.08983	0.063581	0.17015	-0.02674
0.015579	0.73704	-0.09244	0.04588	-0.10009	0.03057	-0.06244	0.17798	0.170584
-0.01266	0.78498	-0.00939	0.83959	-0.05665	0.22178	0.104936	0.02334	0.022777
0.106577	0.02125	0.294519	8.47E-11	0.220108	1.56E-06	0.343895	2.07E-14	0.341148
0.011941	0.79689	0.037413	0.41988	0.042044	0.36465	-0.07133	0.12372	-0.01358
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0.085602	0.06456	-0.07	0.13091	0.010919	0.81394	-0.00246	0.95767	0.147714
0.077363	0.09495	0.152361	0.00096	0.165976	0.00032	-0.0013	0.97771	-0.02395
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0.182522	7.27E-05	0.073519	0.11259	0.135548	0.00334	0.039405	0.39555	-0.03431
-0.04411	0.3415	0.08341	0.07173	-0.02908	0.5307	0.07087	0.12618	0.062716
-0.03407	0.46268	0.008807	0.84945	-0.02652	0.56759	-0.00134	0.97697	0.020851
-0.03846	0.407	0.009838	0.83209	0.01652	0.72179	0.012965	0.77992	0.033953
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0.389882	2.10E-18	0.084301	0.06874	0.116809	0.01153	0.077185	0.09571	-0.00795
0.002458	0.95775	-0.04368	0.34624	0.060029	0.19535	-0.00938	0.83986	0.049693
0.145094	0.00167	0.079536	0.086	0.129506	0.00506	0.142057	0.00209	0.171841
0.002987	0.94867	-0.0139	0.76442	-0.02663	0.56596	-0.03867	0.40442	0.005587
0.00069	0.98813	0.103401	0.02545	-0.00205	0.9648	0.186676	4.93E-05	0.203087

0.016348	0.72457	-0.1901	3.55E-05	-0.17154	0.0002	-0.13389	0.00375	-0.00999
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-0.00887	0.8484	-0.06225	0.17929	-0.09992	0.03086	-0.02929	0.5278	-0.04818
-0.05856	0.20654	-0.05666	0.22167	-0.12359	0.0075	-0.03172	0.49405	-0.02666
-0.02835	0.54114	-0.0875	0.05885	-0.10092	0.02922	-0.06162	0.18373	-0.00636
0.096711	0.03669	0.03591	0.43882	-0.03639	0.43267	-0.05309	0.25217	-0.19335
-0.02243	0.62878	-0.10911	0.01834	0.006435	0.8897	-0.03264	0.4817	0.257233
-0.08487	0.06688	-0.0123	0.79087	-0.19599	2.00E-05	-0.01082	0.81555	-0.13152
0.033698	0.46755	0.078735	0.08922	0.004877	0.91628	0.013893	0.7646	-0.04626
0.090675	0.0502	0.123673	0.00746	0.116283	0.01191	0.05528	0.23314	-0.02045
0.005149	0.91164	-0.06982	0.13191	-0.04678	0.3131	-0.05666	0.22162	0.102933
-0.10082	0.02937	-0.22182	1.29E-06	-0.20374	9.10E-06	-0.18381	6.45E-05	0.046722
0.011461	0.80489	-0.12729	0.00588	-0.13632	0.00316	-0.0211	0.64924	0.196079
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0.069668	0.13275	-0.05954	0.19904	0.056359	0.22413	-0.0068	0.88343	0.187708
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-0.04339	0.34948	-0.19629	1.94E-05	-0.04891	0.29149	-0.20856	5.49E-06	0.068769
-0.01772	0.70252	0.086349	0.06225	-0.04262	0.35806	0.047779	0.30285	-0.16597
0.109862	0.01755	0.007737	0.86757	0.067387	0.14595	0.027381	0.55504	0.009441
0.054429	0.24042	0.062943	0.17449	0.060519	0.19171	0.0507	0.27421	0.106396
0.165097	0.00034	0.085833	0.06384	0.124979	0.00685	0.067646	0.1444	0.115587
-0.03193	0.49121	-0.00026	0.99551	0.005128	0.91199	-0.06153	0.18442	-0.15155
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0.002692	0.95374	-0.05359	0.24776	-0.05951	0.19928	-0.06531	0.15884	0.006391
-0.08038	0.08272	0.042638	0.3579	-0.14062	0.00232	-0.00865	0.85219	-0.19014
0.119244	0.0099	0.076894	0.09698	-0.0824	0.07526	-0.0015	0.97428	-0.15474
-0.03812	0.41112	-0.05057	0.27545	0.001326	0.9772	0.011673	0.80136	0.18835
0.136467	0.00313	0.020162	0.66387	0.062182	0.17977	0.012684	0.78457	-0.05455
-0.11992	0.00949	-0.28051	6.83E-10	-0.18413	6.27E-05	-0.24051	1.43E-07	-0.052
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0.100333	0.03017	0.178406	0.00011	0.169049	0.00024	0.224396	9.64E-07	0.020664
0.092362	0.04606	0.012927	0.78054	-0.03315	0.4748	-0.03628	0.43416	0.049612
-0.02051	0.65848	-0.01906	0.68128	-0.0848	0.06711	-0.03518	0.44818	-0.15609
-0.04752	0.30549	0.082397	0.07526	-0.00662	0.88649	-0.03758	0.41781	-0.07199
0.080732	0.08137	0.015323	0.7412	0.065661	0.15658	-0.03094	0.50478	0.016399
0.07845	0.09038	-0.07213	0.11958	-0.11261	0.0149	-0.0523	0.25936	0.057136
0.075949	0.10116	-0.04287	0.35531	-0.0275	0.55339	-0.04641	0.31697	0.113671
0.095966	0.03817	0.201932	1.10E-05	0.098258	0.03377	0.146459	0.00151	0.065041
0.120358	0.00923	0.202853	9.96E-06	0.082754	0.074	0.189078	3.92E-05	0.081019
0.038588	0.40543	0.087376	0.05919	0.18739	4.60E-05	0.235026	2.78E-07	0.310994
0.000797	0.9863	0.007191	0.87684	0.025621	0.58075	0.18403	6.32E-05	0.204194
-0.08967	0.05281	-0.15062	0.0011	-0.14257	0.00201	-0.23467	2.90E-07	-0.19061
-0.01031	0.82419	-0.17588	0.00013	-0.09668	0.03675	-0.14452	0.00174	0.081145
-0.05807	0.21038	0.082518	0.07483	-0.03313	0.47507	0.144657	0.00172	0.226292
0.024688	0.59462	0.194587	2.29E-05	0.088843	0.05504	0.165276	0.00033	0.030811



0.04661	0.31485	0.070565	0.12783	0.021029	0.65035	0.04112	0.37529	0.077072
0.105756	0.02227	-0.08929	0.05384	0.027236	0.55714	-0.08756	0.05867	0.206034
0.054864	0.23668	-0.03277	0.47984	0.051421	0.26744	-0.10027	0.03028	-0.05751
-0.01695	0.71478	-0.01942	0.67549	-0.04998	0.28114	-0.04741	0.30656	-0.05371
0.005612	0.90373	-0.01293	0.78056	0.028322	0.54151	-0.00125	0.97853	0.007766
0.004974	0.91463	-0.03201	0.49019	-0.0482	0.29859	-0.07206	0.11992	-0.04309
0.042666	0.35759	-0.01446	0.75532	0.022714	0.62442	0.030657	0.50869	0.225047
-0.00847	0.85521	0.189745	3.68E-05	0.140308	0.00237	0.12199	0.00831	0.050869
0.003449	0.94075	-0.02417	0.60242	-0.02784	0.54838	0.039342	0.39631	0.176429
-0.04069	0.38032	-0.03793	0.41352	-0.08233	0.07549	-0.04953	0.2855	-0.10836
-0.04366	0.34645	-0.0135	0.77115	-0.04793	0.30134	0.010859	0.81496	-0.13139
0.074844	0.10624	0.051639	0.26541	0.246719	6.62E-08	0.039967	0.38884	0.17382
-0.0934	0.04366	-0.02613	0.57327	0.003296	0.94337	0.049884	0.28203	0.143324
0.032573	0.48255	-0.07889	0.08857	-0.04845	0.29609	-0.11618	0.01199	-0.07713
-0.00166	0.97153	-0.04516	0.33018	0.021935	0.63635	0.040047	0.38789	0.106959
0.010497	0.82101	-0.10252	0.02674	-0.1549	0.00078	-0.07044	0.1285	0.035833
0.024205	0.60184	0.061249	0.1864	0.003196	0.94508	-0.00267	0.95414	-0.15307
-0.17584	0.00013	-0.05381	0.24582	-0.15383	0.00085	-0.05364	0.24736	-0.17368
0.077704	0.0935	-0.04809	0.29968	-0.09231	0.04618	-0.02896	0.53249	-0.03903
-0.13156	0.0044	-0.26339	7.52E-09	-0.37753	2.88E-17	-0.22397	1.01E-06	-0.11413
0.000114	0.99804	-0.06922	0.13528	-0.11874	0.01022	-0.08681	0.06085	-0.14413
0.075693	0.10232	-0.01297	0.77986	0.02046	0.65921	0.01434	0.75727	0.059951
0.091285	0.04867	0.027011	0.5604	-0.02605	0.57439	-0.01044	0.822	0.01803
0.040993	0.37677	-0.04701	0.31066	-0.06293	0.17458	-0.10586	0.02214	-0.03835
-0.04759	0.30478	0.000717	0.98768	-0.00445	0.92351	0.074815	0.10638	0.147425
-0.08462	0.06769	-0.03744	0.4195	-0.0519	0.26298	0.004226	0.92743	0.045704
-0.11744	0.01109	-0.02145	0.64383	-0.1479	0.00135	0.002655	0.95437	0.012985
0.036626	0.42973	-0.02728	0.55646	-0.00926	0.84179	0.085854	0.06377	0.336276
0.067294	0.1465	-0.07286	0.11586	0.001714	0.97054	-0.07026	0.12948	0.110409
-0.0097	0.83441	0.100533	0.02984	-0.12981	0.00496	0.01674	0.71824	-0.13103
-0.00044	0.99247	0.036183	0.43534	0.052122	0.26096	0.08924	0.05396	0.056896
-0.06556	0.15723	-0.14729	0.00141	-0.00309	0.94686	-0.04082	0.37881	0.077443
0.130353	0.00478	0.076469	0.09884	0.021533	0.64255	0.08979	0.05249	0.043724
0.008823	0.84918	-0.10807	0.01949	-0.00416	0.92852	-0.11895	0.01009	-0.00622
-0.19337	2.58E-05	-0.08243	0.07516	-0.1066	0.02123	-0.13559	0.00333	-0.11602
-0.00236	0.95943	-0.04018	0.38637	-0.14175	0.00214	-0.04741	0.30664	-0.08591
-0.07331	0.1136	-0.0084	0.85635	-0.00761	0.86964	-0.03796	0.41318	0.08143
0.005267	0.90962	0.051415	0.2675	0.012599	0.78596	-0.04084	0.37861	-0.10463
-0.02295	0.62078	-0.22798	6.38E-07	-0.21042	4.51E-06	-0.17327	0.00017	0.102238
0.03889	0.40176	-0.05549	0.23139	-0.04123	0.37401	-0.08261	0.07452	-0.06287
-0.03816	0.41069	-0.01381	0.76602	-0.07226	0.11891	-0.03311	0.47535	0.064914
0.016533	0.72158	0.009179	0.84317	-0.03452	0.4568	0.035299	0.44665	0.158968
-0.02064	0.65633	0.013976	0.76324	-0.10116	0.02882	-0.02777	0.5494	0.046827
-0.00776	0.86723	0.017108	0.71232	-0.02958	0.52374	0.159298	0.00055	0.276496
0.0823	0.07561	-0.0289	0.53326	-0.09746	0.03525	-0.04205	0.36459	-0.17684

0.06506	0.16041	-0.0761	0.10049	-0.03913	0.39885	-0.00234	0.95977	0.248664
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0.043992	0.34283	0.166363	0.00031	0.358522	1.30E-15	0.296123	6.62E-11	0.152944
-0.01726	0.7098	0.105815	0.0222	0.001593	0.97261	0.178265	0.00011	-0.00291
0.091463	0.04822	0.153504	0.00087	0.09535	0.03943	0.15254	0.00094	0.155307
0.034893	0.4519	-0.00397	0.93187	0.02449	0.59758	0.049952	0.28136	0.069904
0.03797	0.41299	0.233476	3.35E-07	0.071516	0.12275	0.169141	0.00024	-0.03936
0.072549	0.11743	0.35309	3.70E-15	0.310511	6.76E-12	0.292333	1.18E-10	0.049827
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-0.02991	0.5191	0.030504	0.51081	-0.05122	0.26936	-0.04936	0.28707	-0.01909
0.005179	0.91112	-0.00668	0.88552	-0.09916	0.03216	-0.06076	0.18998	-0.20764
0.108096	0.01946	-0.07065	0.12735	0.023964	0.60547	0.009958	0.83006	0.157256
-0.0066	0.88696	-0.04012	0.38701	-0.06487	0.16165	-0.0183	0.69321	-0.06791
-0.06521	0.15947	-0.03079	0.5068	0.039826	0.39051	-0.08774	0.05815	0.011506
0.133958	0.00373	0.031763	0.49351	0.062888	0.17487	-0.03547	0.4444	-0.04563
0.040559	0.38185	-0.01332	0.77408	-0.01865	0.68767	-0.02599	0.57539	-0.02364
0.012931	0.78047	0.070457	0.12841	0.015929	0.73136	0.029924	0.51888	-0.03192
0.060284	0.19345	-0.00445	0.92356	0.036253	0.43445	-0.02286	0.62226	-0.03835
0.074245	0.10908	-0.06281	0.17541	-0.01858	0.68886	-0.01963	0.67224	0.051113
-0.14854	0.00128	-0.16914	0.00024	-0.15623	0.0007	-0.17529	0.00014	0.022975
0.005789	0.90071	-0.14154	0.00217	-0.02269	0.62485	-0.07373	0.11156	0.084351
0.029926	0.51885	-0.14655	0.0015	-0.01825	0.69407	-0.10221	0.02719	0.248085
0.032393	0.48497	-0.05417	0.24267	0.013211	0.77584	-0.02652	0.56758	0.003455
0.004178	0.92825	-0.05213	0.26092	-0.11728	0.0112	-0.06302	0.17396	-0.03389
-0.09407	0.04217	-0.10417	0.02436	-0.17587	0.00013	-0.11887	0.01014	0.024021
0.052212	0.26014	0.030394	0.51233	0.019891	0.66812	0.072626	0.11704	0.091413
-0.00298	0.94877	-0.07626	0.09978	-0.10774	0.01987	-0.14567	0.0016	-0.09305
0.038212	0.41002	0.027184	0.55788	0.024857	0.59209	0.03148	0.49737	-0.01965
0.045873	0.32257	0.05212	0.26098	0.123531	0.00753	0.018523	0.6897	0.023021
-0.08384	0.07028	-0.2148	2.81E-06	-0.15144	0.00103	-0.24211	1.18E-07	0.064583
0.163153	0.0004	0.095734	0.03864	0.097621	0.03494	0.088866	0.05498	0.103819
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-0.1546	0.0008	-0.30927	8.28E-12	-0.22287	1.15E-06	-0.30553	1.51E-11	-0.14214
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0.077446	0.09459	-0.0469	0.31181	-0.10075	0.02948	-0.04063	0.38099	0.035693
0.149478	0.0012	0.063469	0.17091	-0.0235	0.61254	0.087881	0.05773	0.061571
-0.09445	0.04133	-0.16677	0.0003	-0.19977	1.37E-05	-0.10721	0.02048	-0.05938
0.233559	3.32E-07	0.059587	0.19866	0.102324	0.02703	0.037481	0.41904	-0.0412
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0.020773	0.65433	0.202555	1.03E-05	-0.02285	0.62242	0.073724	0.11159	-0.20969
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0.056802	0.2205	0.171719	0.00019	0.166501	0.0003	0.072385	0.11826	-0.08927
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0.093981	0.04236	0.353658	3.32E-15	0.193829	2.47E-05	0.253911	2.64E-08	0.015127
0.033869	0.46529	0.056564	0.22245	0.017779	0.70157	0.140801	0.00229	0.179586
0.080433	0.0825	-0.04766	0.30409	0.060333	0.19309	0.026072	0.57411	0.156265
0.231011	4.48E-07	0.245295	7.92E-08	0.357776	1.51E-15	0.156563	0.00069	0.218454
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0.034607	0.45562	-0.00153	0.97364	-0.00484	0.91689	0.027645	0.55123	0.140607
0.027692	0.55055	-0.06379	0.16875	0.032285	0.48644	-0.02901	0.53168	0.081965
0.025167	0.58748	-0.03163	0.49539	-0.01646	0.72271	0.013166	0.7766	0.023734
0.089352	0.05366	0.042613	0.35819	0.063861	0.16828	0.017154	0.71159	-0.0192
0.07141	0.12332	-0.05902	0.20301	0.013475	0.77149	-0.03498	0.45077	0.045079
0.024744	0.59377	-0.00941	0.8393	0.022239	0.63168	-0.00091	0.98433	0.05154
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0.026034	0.57467	-0.08345	0.0716	0.047522	0.30547	-0.05184	0.26359	0.046699
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0.010279	0.82467	-0.03811	0.41131	0.113815	0.01386	-0.02596	0.57583	0.075773
0.004315	0.92591	0.086164	0.06282	-0.06767	0.14425	0.00106	0.98178	-0.22181
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0.044433	0.33801	0.095998	0.0381	0.105911	0.02208	0.050338	0.27766	0.000303
0.078546	0.08999	-0.04827	0.29787	-0.01909	0.68069	-0.02154	0.64237	0.114182
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0.083633	0.07097	-0.0201	0.66482	0.039718	0.3918	0.018152	0.69561	0.056465
0.046537	0.31561	-0.11359	0.01405	-0.03139	0.4986	-0.12858	0.00539	0.075368
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0.058608	0.20615	0.061938	0.18149	0.038453	0.40707	0.140768	0.0023	0.210095
0.111448	0.01598	0.051143	0.27004	0.004353	0.92525	0.099884	0.03092	0.062849
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0.026505	0.56777	0.057234	0.217	0.046329	0.31778	0.062622	0.1767	0.083276
0.059511	0.19923	0.171838	0.00019	0.108795	0.01868	0.118446	0.01041	0.026196
0.007955	0.86386	-0.02497	0.59044	-0.025	0.58997	0.04725	0.30824	0.122969
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0.006884	0.88205	0.013355	0.77347	-0.07498	0.10559	-0.01582	0.73306	-0.04954
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0.159337	0.00055	0.10177	0.02787	0.135807	0.00328	0.112667	0.01485	0.125107
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0.003129	0.94624	-0.01538	0.7403	-0.00987	0.83156	0.027565	0.55238	0.007319
0.016338	0.72473	-0.05552	0.23114	-0.10695	0.0208	-0.04308	0.35299	0.050735
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0.006324	0.89159	-0.08162	0.07805	-0.08383	0.07031	-0.03646	0.43188	0.149602
0.008973	0.84665	-0.09489	0.04039	-0.11612	0.01203	-0.06961	0.13309	0.080948
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0.112998	0.01456	-0.00233	0.95999	0.037463	0.41927	0.049727	0.28354	0.133837
0.017678	0.70319	-0.11371	0.01395	-0.02183	0.63798	-0.07111	0.1249	0.195306
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0.00213	0.96338	-0.04454	0.3368	-0.00087	0.9851	-0.02697	0.56094	-0.03469
0.111324	0.01609	0.080035	0.08404	0.057594	0.21412	0.046753	0.31337	0.048676
0.128014	0.0056	0.01802	0.69772	0.125249	0.00673	0.009944	0.8303	0.074392
0.016786	0.7175	-0.03444	0.45777	0.047242	0.30833	-0.03587	0.43938	0.045518
0.046538	0.3156	0.006477	0.88899	0.050952	0.27184	-0.03183	0.49264	0.036467
-0.01815	0.69557	-0.06884	0.13741	0.051056	0.27086	-0.09267	0.04532	-0.02223
-0.06439	0.1648	-0.08752	0.05878	-0.23284	3.61E-07	-0.08658	0.06154	0.018093
-0.0005	0.9914	-0.03562	0.44256	0.007062	0.87902	-0.05976	0.19738	0.102437
-0.09547	0.03918	-0.01731	0.70908	-0.07289	0.11571	0.001331	0.97711	-0.05595
-0.01469	0.75147	-0.02362	0.61072	-0.12523	0.00674	-0.03979	0.39094	-0.03139
0.084212	0.06904	0.017729	0.70236	0.022393	0.62932	-0.0712	0.12443	0.002451
0.022661	0.62522	0.06239	0.17832	0.004791	0.91775	0.119348	0.00984	0.218782
0.051177	0.26972	0.016593	0.72062	0.12876	0.00532	0.004792	0.91773	-0.01663
0.227899	6.44E-07	-0.01521	0.74305	-0.08745	0.05897	0.000814	0.98601	0.040468
0.085912	0.06359	-0.13273	0.00406	0.008595	0.85304	-0.05067	0.27449	0.20433
0.00068	0.98831	0.025242	0.58636	0.060496	0.19188	0.108105	0.01945	0.069993
0.021703	0.63992	0.055277	0.23316	0.033744	0.46694	0.002747	0.95278	-0.01834
-0.01897	0.68255	0.004465	0.92334	-0.0528	0.25485	0.023472	0.61289	-0.00415
-0.07654	0.09851	-0.14369	0.00185	-0.1238	0.00739	-0.07317	0.11432	0.168709
-0.0593	0.20081	0.025147	0.58777	-0.02533	0.58511	0.056056	0.22663	-0.00986
0.162456	0.00042	0.183948	6.37E-05	0.296317	6.42E-11	0.113838	0.01384	0.170196
0.01369	0.76795	-0.03965	0.39261	-0.07284	0.11595	0.06027	0.19356	-0.03452
0.014344	0.75719	0.088777	0.05522	0.027302	0.55618	0.072622	0.11706	-0.09927
0.135966	0.00324	0.139689	0.00248	0.125361	0.00668	0.152481	0.00095	0.029844
-0.01402	0.76254	0.026143	0.57307	-0.09924	0.03203	-0.02905	0.53115	-0.04712
0.116505	0.01175	0.053894	0.24508	0.017211	0.71066	0.078777	0.08904	0.129151
-0.09488	0.04042	-0.11378	0.01389	-0.24856	5.25E-08	-0.03742	0.41981	-0.0238
-0.10777	0.01983	-0.14895	0.00125	-0.14768	0.00137	-0.14976	0.00117	-0.14844
0.012231	0.79208	-0.056	0.22705	-0.11785	0.01081	-0.03867	0.40446	0.01826
0.007798	0.86654	0.141449	0.00218	0.160082	0.00052	0.244124	9.17E-08	-0.0523
0.076475	0.09882	0.071116	0.12487	-0.04714	0.30941	0.141331	0.0022	0.051563
0.06754	0.14503	-0.01806	0.69712	-0.0639	0.16803	0.078924	0.08845	0.063307
0.013828	0.76568	-0.08349	0.07148	-0.07039	0.12877	-0.04994	0.28153	-0.01388
0.00425	0.92702	-0.04961	0.28468	-0.00809	0.86155	-0.06326	0.17232	0.029067
0.037643	0.41703	-0.03288	0.47836	0.024944	0.59079	-0.0352	0.44788	0.116967
0.079796	0.08497	-0.08984	0.05235	-0.04953	0.28548	-0.0523	0.25935	0.01257
-0.06092	0.18882	-0.00083	0.98572	-0.13926	0.00256	-0.00428	0.92643	-0.18257
0.041952	0.3657	-0.06639	0.15204	0.030951	0.50463	-0.01933	0.67695	0.257559

0.024264	0.60096	-0.04925	0.28818	-0.00043	0.99261	-0.09222	0.0464	0.04758
0.097954	0.03433	-0.09129	0.04865	-0.04077	0.37941	-0.07387	0.1109	0.00408
-0.03412	0.46204	-0.17384	0.00016	-0.12178	0.00843	-0.13068	0.00468	0.049039
0.048064	0.29997	-0.1634	0.00039	-0.07353	0.11252	-0.19953	1.40E-05	0.120692
0.105686	0.02236	-0.04439	0.33847	0.033847	0.46559	-0.00542	0.90706	0.072947
0.016119	0.72827	-0.04954	0.28533	-0.03191	0.49153	-0.05919	0.20171	-0.06276
-0.08109	0.08003	-0.03619	0.43521	-0.00406	0.9303	-0.10701	0.02073	-0.09153
0.11835	0.01048	-0.0145	0.75468	0.016374	0.72416	-0.01141	0.80579	-0.01998
0.042151	0.36343	-0.06559	0.15702	0.004284	0.92643	-0.07675	0.09759	0.04625
-0.02332	0.61523	-0.06726	0.14674	-0.06693	0.14869	-0.06029	0.19343	0.135047
-0.02362	0.61059	-0.0349	0.45187	-0.01753	0.70555	0.003249	0.94417	0.065608
-0.00607	0.89591	-0.08706	0.06011	-0.04718	0.30894	-0.06515	0.15982	0.161032
-0.01404	0.76227	0.13313	0.00395	-0.01564	0.73602	0.117858	0.0108	-0.07106
-0.0193	0.67738	-0.03209	0.48901	-0.06728	0.1466	0.007629	0.8694	0.075474
0.05279	0.25489	0.116014	0.01211	-0.00536	0.90809	0.120642	0.00906	0.107322
-0.02536	0.58468	-0.00467	0.91985	-0.04653	0.31573	-0.0283	0.5419	0.116756
-0.02381	0.60774	-0.14896	0.00124	-0.06496	0.16104	-0.06675	0.1498	0.221669
0.029224	0.52871	-0.11615	0.01201	-0.02863	0.53706	-0.17805	0.00011	-0.01762
0.001261	0.97833	-0.00741	0.87313	0.015572	0.73715	0.101793	0.02784	0.169092
-0.05851	0.20688	-0.18137	8.09E-05	-0.16829	0.00026	-0.14625	0.00153	-0.11624
-0.01615	0.7277	0.056885	0.21982	0.157944	0.00061	0.088281	0.0566	0.058672
0.081611	0.0781	-0.00309	0.9469	0.023305	0.61542	-0.01127	0.80815	0.071083
0.00503	0.91367	-0.05703	0.21864	-0.07459	0.10745	-0.01707	0.71292	0.002062
-0.03041	0.51205	-0.05808	0.21026	-0.06976	0.13222	-0.05496	0.23582	0.001342
0.057675	0.21347	-0.09904	0.03237	-0.03801	0.41253	-0.07654	0.09853	0.062872
0.027459	0.55391	0.023288	0.61568	-0.12371	0.00744	-0.00269	0.95381	-0.13055
0.03473	0.45402	0.1043	0.02419	-0.03815	0.41075	0.14425	0.00178	0.239903
0.090629	0.05031	0.064121	0.16655	-0.10033	0.03018	0.011288	0.80778	-0.26115
0.074538	0.10768	-0.06316	0.17299	-0.03616	0.43563	-0.07838	0.09067	-0.00764
-0.05069	0.27433	-0.10165	0.02806	-0.0878	0.05798	-0.0502	0.27899	0.201784
0.02035	0.66093	-0.12517	0.00676	-0.02458	0.59629	-0.19251	2.81E-05	-0.07933
-0.03732	0.42104	0.117808	0.01084	-0.01857	0.68895	0.152306	0.00096	-0.07663
0.020229	0.66282	0.050629	0.27489	-0.05176	0.26432	0.004781	0.91793	-0.03953
-0.12373	0.00743	-0.17282	0.00017	-0.16418	0.00037	-0.19198	2.96E-05	-0.0096
0.07134	0.12368	0.255402	2.17E-08	0.20821	5.70E-06	0.194105	2.40E-05	0.018513
0.009834	0.83215	-0.015	0.74644	0.004148	0.92876	0.071592	0.12236	0.022797
0.116683	0.01162	-0.05352	0.24837	0.054046	0.24375	-0.09041	0.05089	-0.08721
-0.07063	0.12747	-0.12477	0.00694	-0.23655	2.32E-07	-0.11567	0.01237	-0.03635
0.149948	0.00115	0.17823	0.00011	0.218103	1.96E-06	0.225239	8.75E-07	0.061628
0.038949	0.40104	0.167765	0.00027	0.218886	1.79E-06	0.088692	0.05545	0.174441
0.024909	0.59131	-0.06942	0.13412	-0.06501	0.16077	-0.04927	0.288	0.126592
0.059	0.20313	0.105266	0.0229	0.122838	0.00787	0.096395	0.03731	0.042518
0.047302	0.30771	-0.13513	0.00344	-0.10874	0.01875	-0.05287	0.25418	0.143201
0.037415	0.41986	-0.16332	0.00039	-0.13035	0.00478	-0.14513	0.00166	0.119481
0.09485	0.04048	0.095589	0.03893	0.034998	0.45054	0.04963	0.28448	0.045645

0.05749	0.21495	0.016835	0.7167	0.15341	0.00088	-0.02576	0.57863	0.233212
-0.0041	0.92953	0.046522	0.31577	0.088131	0.05702	0.048201	0.2986	0.070536
-0.1051	0.02312	-0.18581	5.35E-05	-0.13159	0.00439	-0.14677	0.00147	0.072106
0.00235	0.9596	0.078923	0.08845	0.01624	0.72631	0.039778	0.39109	-0.11229
0.023106	0.61844	0.015804	0.73338	-0.05984	0.19672	-0.01511	0.74472	-0.0669
0.037951	0.41323	-0.15884	0.00057	-0.05189	0.26305	-0.15711	0.00066	0.027141
0.050044	0.28048	-0.10927	0.01817	-0.14749	0.00139	-0.20777	5.97E-06	-0.035
0.027055	0.55976	-0.13633	0.00316	-0.1263	0.00628	-0.0812	0.0796	0.127314
0.007141	0.87768	0.125966	0.00642	6.71E-05	0.99885	0.070889	0.12608	0.021213
0.046895	0.31189	0.05429	0.24163	-0.00417	0.92844	0.066716	0.15002	0.152708
-0.01707	0.71287	0.085839	0.06382	-0.08582	0.06387	0.037468	0.4192	-0.08826
0.09289	0.04482	-0.08086	0.08088	-0.05866	0.20573	-0.006	0.89708	-0.00408
0.058958	0.20345	-0.0152	0.74322	0.145137	0.00166	0.141691	0.00215	0.282374
0.012354	0.79004	-0.04286	0.35537	-0.01716	0.71154	-0.03181	0.49292	0.037156
0.005982	0.89741	-0.06823	0.14095	-0.12224	0.00818	-0.05172	0.26465	-0.066
0.004486	0.92297	-0.1142	0.01354	-0.10727	0.02041	-0.06231	0.17891	-0.0164
0.004413	0.92423	0.029141	0.52988	-0.0105	0.82095	0.070831	0.12639	0.032576
0.062706	0.17612	0.063746	0.16905	0.072554	0.1174	0.024114	0.6032	0.032575
0.044388	0.3385	0.043861	0.34427	0.04551	0.32642	0.030196	0.51508	0.21262
-0.05427	0.2418	-0.01897	0.68265	-0.02382	0.60771	-0.03799	0.41278	-0.05436
-0.02105	0.65008	-0.14067	0.00231	-0.17359	0.00016	-0.10308	0.02591	0.015829
0.078233	0.09128	0.064195	0.16606	-0.01832	0.69297	0.099826	0.03102	-0.08091
0.03673	0.42842	-0.05115	0.26999	-0.06301	0.17404	-0.00618	0.89397	0.045123
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-0.00883	0.84908	-0.02739	0.55487	-0.05945	0.19966	0.007545	0.87082	-0.00279
0.085811	0.06391	0.049308	0.28763	0.040546	0.382	0.032292	0.48634	0.017334
0.06283	0.17527	0.113298	0.0143	0.126008	0.0064	0.117937	0.01075	0.066327
0.059192	0.20166	-0.03796	0.41317	-0.0529	0.25393	-0.04443	0.33808	-0.02655
0.092676	0.04532	-0.02237	0.6297	0.047472	0.30597	0.03487	0.4522	0.025164
0.004004	0.93123	-0.05644	0.22347	-0.13312	0.00395	-0.09383	0.04268	-0.05359
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0.08384	0.07027	-0.02642	0.56907	0.094699	0.0408	-0.07434	0.10863	0.025057
-0.09269	0.04529	0.078064	0.09198	-0.12312	0.00773	0.056373	0.22401	0.059493
0.029876	0.51955	0.124543	0.00705	0.117395	0.01112	0.089604	0.05298	0.066338
0.029486	0.52502	0.108818	0.01866	0.009399	0.83947	0.094822	0.04054	-0.06357
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-0.02703	0.56015	0.131362	0.00446	0.056321	0.22443	0.124962	0.00685	0.042022
-0.05466	0.23845	0.091412	0.04835	0.029006	0.53178	0.078489	0.09022	0.106557
0.055794	0.22881	-0.01212	0.79395	-0.01599	0.7303	-0.07617	0.10016	-0.02802
-0.0622	0.17962	-0.15861	0.00058	-0.06889	0.13713	-0.07746	0.09452	0.033338
0.067862	0.14312	-0.057	0.21892	0.045427	0.3273	0.001832	0.9685	0.271056
0.009017	0.84591	-0.02236	0.62979	-0.04384	0.34445	0.038671	0.40442	0.110527
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0.148479	0.00129	0.307278	1.14E-11	0.329352	2.81E-13	0.310553	6.72E-12	0.26601
0.024645	0.59526	-0.07026	0.12949	-0.01825	0.69409	-0.13321	0.00393	0.054479

-0.12395	0.00732	-0.10707	0.02065	-0.15826	0.0006	-0.11014	0.01727	-0.12844
0.152964	0.00091	0.065712	0.15625	0.025676	0.57994	0.038382	0.40793	-0.09015
-0.01664	0.71982	-0.02	0.66639	-0.08869	0.05545	-0.11877	0.0102	-0.19338
0.042079	0.36425	0.15035	0.00112	0.164482	0.00036	0.086971	0.06038	0.03531
-0.08003	0.08408	-0.10493	0.02335	-0.25212	3.33E-08	-0.15047	0.00111	-0.103
-0.01934	0.67675	0.090027	0.05187	0.077811	0.09305	0.090013	0.0519	0.012141
0.101771	0.02787	0.110297	0.01711	0.050648	0.27471	-0.00517	0.91132	-0.00859
0.083025	0.07306	-0.08123	0.07951	-0.05174	0.26452	-0.08161	0.07811	0.04269
0.037404	0.42	-0.07793	0.09256	-0.04801	0.30056	-0.16634	0.00031	-0.00193
0.00898	0.84654	0.245194	8.02E-08	0.084774	0.06719	0.196667	1.86E-05	0.026102
-0.00988	0.83142	-0.14433	0.00177	-0.05609	0.22631	-0.0905	0.05065	0.07538
0.045883	0.32246	-0.02092	0.6521	-0.11198	0.01548	-0.08142	0.0788	-0.05667
0.027881	0.54783	-0.02856	0.53818	-0.06624	0.15296	-0.04618	0.31933	-0.09022
0.001087	0.98131	-0.00129	0.97777	-0.01091	0.81416	0.017962	0.69864	0.077837
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0.014021	0.76251	-0.07274	0.11648	-0.04882	0.2924	-0.02866	0.53672	0.076034
0.009383	0.83974	0.020998	0.65084	-0.00634	0.89127	-0.02532	0.58525	-0.08828
0.013369	0.77323	-0.04448	0.33755	-0.01082	0.8156	-0.1069	0.02086	-0.05922
0.007058	0.8791	-0.02527	0.58599	0.02955	0.52412	-0.07454	0.10769	-0.01557
-0.03377	0.46655	0.089863	0.0523	-0.01427	0.7584	0.024652	0.59516	-0.18815
0.078004	0.09223	0.071591	0.12236	0.141192	0.00223	0.02535	0.58477	0.041417
0.021169	0.64819	0.054324	0.24133	-0.00452	0.92245	0.081933	0.07693	-0.10964
0.062499	0.17755	0.254913	2.32E-08	0.17399	0.00016	0.185137	5.70E-05	0.090161
0.090566	0.05047	0.051212	0.26939	0.045038	0.33146	0.050377	0.27729	0.009377
0.110367	0.01704	0.285049	3.52E-10	0.193091	2.66E-05	0.302144	2.59E-11	0.177457
0.214247	2.98E-06	-0.14607	0.00155	-0.02608	0.57405	-0.10582	0.02219	0.039117
-0.0725	0.11769	-0.18128	8.16E-05	-0.14334	0.0019	-0.20191	1.10E-05	-0.07099
0.106017	0.02194	-0.02209	0.63393	-0.04584	0.32291	0.01004	0.82869	0.096743
-0.00332	0.943	-0.02604	0.57463	-0.04759	0.30482	0.055045	0.23513	0.122243
0.022278	0.63109	-0.00128	0.97797	-0.0187	0.6869	0.012368	0.7898	0.023735
-0.05574	0.22923	-0.01728	0.7095	-0.12048	0.00916	-0.00167	0.97134	-0.10374
0.002883	0.95045	0.071472	0.12299	0.167719	0.00027	0.129432	0.00509	0.194691
0.030909	0.50521	0.088816	0.05511	0.121028	0.00884	0.070047	0.13065	0.099488
0.038299	0.40896	0.132263	0.00419	0.168008	0.00027	0.132247	0.0042	0.151941
0.109784	0.01763	0.295363	7.44E-11	0.255718	2.09E-08	0.324832	6.16E-13	0.038159
0.055713	0.22949	-0.02752	0.55297	0.032927	0.4778	-0.07248	0.11778	-0.03983
0.104689	0.02367	-0.05229	0.25943	9.39E-05	0.99839	-0.00582	0.90025	0.114991
-0.07367	0.11186	-0.06908	0.13606	-0.08123	0.0795	-0.0212	0.64768	0.196999
0.134808	0.00351	0.247096	6.32E-08	0.286906	2.67E-10	0.146829	0.00146	0.078434
0.078505	0.09015	-0.04886	0.29202	-0.0011	0.98111	-0.05375	0.24634	-0.0379
0.008581	0.85327	-0.14933	0.00121	-0.03495	0.45116	-0.11482	0.01304	0.25179
-0.09653	0.03704	-0.16619	0.00031	-0.14262	0.002	-0.19637	1.92E-05	-0.11678
0.065554	0.15726	-0.04238	0.36081	0.111601	0.01583	0.05526	0.2333	0.402758
0.021713	0.63977	-0.03936	0.39612	0.067144	0.14741	-0.04291	0.35481	0.228599
-0.05682	0.22039	-0.17704	0.00012	-0.05729	0.21655	-0.15452	0.00081	0.158975

0.05099	0.27148	0.209832	4.80E-06	0.294789	8.12E-11	0.264293	6.65E-09	0.273413
0.003209	0.94486	0.198241	1.59E-05	0.020412	0.65996	0.14718	0.00143	-0.07991
0.038953	0.401	0.028472	0.53937	0.053567	0.24796	-0.06702	0.14818	0.054375
0.063211	0.17266	-0.03154	0.49652	-0.02722	0.55742	0.045301	0.32864	0.081729
0.058822	0.2045	-0.02621	0.57209	0.024004	0.60487	-0.00886	0.84856	0.087125
-0.016	0.73014	-0.00335	0.94237	-0.01388	0.76489	-0.02934	0.5271	0.002326
0.043749	0.34551	0.189472	3.77E-05	0.173316	0.00017	0.203872	8.97E-06	0.048431
0.009497	0.83782	-0.04102	0.37642	-0.04118	0.37462	-0.02352	0.61213	-0.00764
0.038444	0.40719	-0.0646	0.16342	-0.0722	0.11918	-0.04871	0.29352	0.072809
-0.01483	0.74927	-0.10444	0.024	-0.0105	0.82093	-0.10887	0.0186	-0.00081
0.00808	0.86175	-0.09112	0.04908	0.012019	0.79561	-0.09574	0.03862	0.106267
0.040412	0.38357	-0.04501	0.33182	-0.05514	0.23429	-0.04504	0.33148	0.000479
0.066199	0.1532	-0.06782	0.14339	-0.05807	0.21037	-0.116	0.01212	0.025261
0.036495	0.43139	-0.08233	0.07549	-0.01011	0.82747	-0.13385	0.00376	-0.10768
-0.13028	0.0048	-0.05127	0.26885	-0.05076	0.27361	-0.06698	0.14841	-0.00425
-0.00753	0.87111	-0.13889	0.00263	-0.01223	0.79207	-0.0371	0.42377	0.222714
0.003093	0.94685	0.05508	0.23483	0.008736	0.85065	0.15929	0.00055	0.16707
0.00559	0.9041	-0.0836	0.0711	-0.05161	0.26568	0.032988	0.47698	0.333062
0.039029	0.40008	0.166381	0.0003	-0.02519	0.58717	0.02419	0.60208	-0.07937
-0.08375	0.07059	-0.15956	0.00054	-0.21881	1.81E-06	-0.17501	0.00014	-0.09959
0.111559	0.01587	0.064273	0.16555	0.054965	0.23581	0.137588	0.00289	0.091326
-0.05471	0.23796	-0.10197	0.02756	-0.12778	0.00569	-0.10392	0.02472	0.089284
0.056721	0.22116	0.043909	0.34374	-0.03181	0.4929	0.091869	0.04724	0.058592
0.185888	5.31E-05	0.159659	0.00053	0.203474	9.35E-06	0.135748	0.00329	0.21322
-0.06981	0.13194	-0.03595	0.43835	-0.04653	0.31568	-0.04946	0.28618	0.032635
-0.00441	0.92431	0.026333	0.57029	0.096166	0.03776	0.015115	0.74459	0.012913
0.023222	0.61669	0.022274	0.63115	-0.02314	0.61791	-0.0499	0.28191	-0.13797
-0.08802	0.05735	-0.08721	0.05969	-0.08948	0.05332	0.014705	0.75129	0.27712
-0.06576	0.15597	-0.09944	0.03168	0.013231	0.77552	-0.10618	0.02173	0.118756
0.080214	0.08335	0.018464	0.69065	0.034192	0.46105	-0.03789	0.41401	-0.02946
0.065491	0.15766	-0.12666	0.00613	0.016761	0.71791	-0.0973	0.03555	0.184823
0.024285	0.60065	-0.13327	0.00391	-0.09113	0.04904	-0.06076	0.18991	0.176611
-0.03908	0.39943	-0.05965	0.19821	-0.03843	0.40734	-0.06203	0.18082	0.020679
0.015852	0.73261	-0.0157	0.73514	-0.04126	0.37366	-0.02875	0.53535	-0.01416
-0.02364	0.61036	-0.15533	0.00076	-0.07472	0.1068	-0.10281	0.0263	0.182101
0.06317	0.17294	-0.02813	0.54422	0.071845	0.12104	-0.01545	0.73919	-0.00196
0.030162	0.51555	-0.00658	0.88726	-0.03741	0.41996	-0.01302	0.77907	0.085664
0.01181	0.79908	0.152195	0.00097	0.018075	0.69685	0.152893	0.00092	0.054987
0.251021	3.83E-08	0.221631	1.32E-06	0.293815	9.43E-11	0.143858	0.00183	0.129103
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0.028306	0.54174	-0.16526	0.00034	-0.13704	0.003	-0.12913	0.00519	0.041286
0.003385	0.94184	-0.10009	0.03058	-0.07137	0.12352	-0.16398	0.00037	-0.07722
0.073361	0.11337	-0.04809	0.29967	0.051578	0.26598	-0.01108	0.81131	0.08154
-0.00074	0.98721	-0.01839	0.69187	-0.11269	0.01483	-0.09196	0.04703	-0.2017
0.013894	0.76459	-0.06533	0.1587	-0.0539	0.245	-0.04407	0.342	0.10372



0.102734	0.02642	0.005415	0.90709	-0.02267	0.62508	-0.0597	0.19784	0.061021
-0.05038	0.27728	0.060862	0.1892	0.004715	0.91906	0.010253	0.82511	-0.00123
0.003988	0.9315	-0.07648	0.09881	0.038957	0.40095	-0.09846	0.0334	0.055499
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0.070404	0.1287	0.22131	1.37E-06	0.152259	0.00096	0.174754	0.00015	0.298552
-0.00676	0.88414	0.069047	0.13625	0.151725	0.00101	0.12129	0.0087	0.260622
0.02819	0.5434	0.001728	0.97029	0.022179	0.6326	0.058071	0.21034	0.01541
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0.195501	2.09E-05	-0.00681	0.8834	0.069621	0.13302	0.026567	0.56687	0.04521
0.049332	0.28739	0.020633	0.65651	0.04216	0.36332	0.019509	0.67412	-0.04595
-0.02699	0.56065	-0.05173	0.26457	-0.04944	0.2863	-0.00194	0.96669	0.034471
0.074452	0.10809	0.026926	0.56163	-0.01845	0.69084	0.087888	0.05771	0.107456
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-0.00917	0.8434	-0.00599	0.89733	-0.0144	0.75625	-0.04768	0.30389	-0.02841
0.046181	0.31933	-0.01026	0.82493	-0.05101	0.27129	-0.02628	0.57099	-0.09874
0.088655	0.05556	-0.02045	0.65937	0.079767	0.08509	-0.01215	0.79336	0.028322
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0.196313	1.93E-05	0.156083	0.00071	0.206094	7.12E-06	0.200095	1.32E-05	0.185145
0.122427	0.00808	0.20396	8.89E-06	0.17833	0.00011	0.251528	3.59E-08	0.163666
0.017116	0.71219	0.047375	0.30697	-0.02103	0.65038	-0.04743	0.3064	-0.0696
0.121409	0.00863	0.02435	0.59966	0.020886	0.65257	0.038505	0.40644	0.068808
0.220965	1.42E-06	0.013295	0.77446	0.022777	0.62346	0.02227	0.6312	0.030941
0.044732	0.33477	0.105561	0.02252	0.020563	0.65761	0.091947	0.04705	0.025497
0.070204	0.12979	0.171502	0.0002	0.103015	0.02601	0.170906	0.00021	0.123986
0.092993	0.04458	-0.01171	0.80081	-0.05413	0.24299	0.067335	0.14626	0.062363
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0.013077	0.77805	-0.09371	0.04295	-0.06316	0.17301	-0.03844	0.40723	0.036829
0.0719	0.12075	0.006074	0.89584	0.076361	0.09932	-0.03921	0.39791	-0.08204
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0.019142	0.6799	-0.00199	0.96578	-0.03701	0.42491	-0.00287	0.95061	0.005813
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0.056405	0.22374	-0.08697	0.0604	-0.05095	0.27183	-0.07104	0.12527	0.048132
0.062781	0.1756	-0.03947	0.39482	-0.00196	0.96637	0.022442	0.62858	0.078379
0.033036	0.47634	-0.04239	0.36072	-0.06616	0.15346	-0.02002	0.66605	0.059488
0.013668	0.7683	-0.05076	0.27363	-0.08212	0.07624	-0.08291	0.07345	-0.03501
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0.184349	6.14E-05	0.030609	0.50935	0.093774	0.04281	0.02943	0.5258	0.151652
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0.025905	0.57656	0.041424	0.37177	-0.01381	0.76591	-0.02447	0.5979	0.004073

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5.25E-05	0.9991	-0.06842	0.13983	0.053039	0.25266	-0.09418	0.04191	-0.06495
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0.266077	5.21E-09	0.187886	4.39E-05	0.209543	4.95E-06	0.177	0.00012	0.0864
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0.027765	0.5495	0.149499	0.00119	0.139814	0.00246	0.107262	0.02043	0.012685
0.128788	0.00531	0.074059	0.10997	0.057438	0.21537	0.065803	0.15568	0.120732
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0.005272	0.90953	0.098689	0.03299	-0.0159	0.73179	0.104526	0.02389	-0.07073
0.016771	0.71774	-0.02148	0.64331	-0.03813	0.41108	-0.01844	0.69105	-0.02558
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0.096559	0.03698	0.098492	0.03334	0.198587	1.54E-05	0.224748	9.26E-07	0.157024
0.227594	6.68E-07	0.147248	0.00142	0.287545	2.43E-10	0.255762	2.07E-08	0.06417
0.130818	0.00463	0.28038	6.96E-10	0.229455	5.38E-07	0.144717	0.00172	0.097487
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0.034378	0.45861	0.092327	0.04614	0.009003	0.84614	0.072102	0.11971	-0.04467
0.007489	0.87176	-0.04143	0.37166	-0.21456	2.89E-06	-0.14682	0.00147	-0.11441
0.028231	0.54282	-0.06841	0.13993	-0.01148	0.80458	-0.06422	0.1659	0.02022
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0.004824	0.9172	-0.06257	0.17706	0.00044	0.99244	-0.12731	0.00587	-0.02414
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0.015521	0.73797	0.116328	0.01188	0.122454	0.00807	0.146997	0.00145	0.216734
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0.068603	0.13879	0.024992	0.59008	-0.089	0.05461	-0.04628	0.31824	-0.13714
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0.03336	0.47203	0.092517	0.04569	0.059953	0.19591	0.08356	0.07122	0.016962
0.023745	0.60877	0.081534	0.07838	-0.00189	0.96744	0.130048	0.00488	-0.0754
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0.013533	0.77054	0.062809	0.17541	-0.05187	0.26325	0.008922	0.84752	-0.07395
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0.001801	0.96904	0.053743	0.24641	0.026652	0.56563	0.01069	0.81779	-0.01777
0.010343	0.82359	0.095424	0.03927	0.153715	0.00086	0.176146	0.00013	0.224078
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0.361796	6.88E-16	0.093235	0.04403	0.08276	0.07398	0.077028	0.09639	-0.05447
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0.042618	0.35813	0.059767	0.1973	0.052075	0.26139	0.052061	0.26152	0.055372
0.115804	0.01227	0.174531	0.00015	0.119645	0.00966	0.17707	0.00012	0.092336
0.013674	0.76821	-0.03103	0.50348	-0.04245	0.35999	-0.02524	0.58642	-0.01467
0.00772	0.86785	0.158462	0.00059	0.067047	0.148	0.13064	0.00469	-0.00782
0.009977	0.82974	0.096211	0.03767	0.080851	0.08092	0.088373	0.05634	0.048729
0.048935	0.29129	0.149227	0.00122	0.073917	0.11065	0.085442	0.06506	0.014012
0.235178	2.73E-07	0.161904	0.00044	0.130665	0.00468	0.139464	0.00252	0.018395
0.021518	0.64277	-0.06588	0.15521	-0.03897	0.40085	-0.07093	0.12587	0.027444
0.015873	0.73226	-0.07865	0.08956	-0.05972	0.19767	-0.06098	0.18835	0.043385
0.136666	0.00308	0.045035	0.33149	0.063758	0.16897	0.066207	0.15316	0.116866
-0.12292	0.00783	-0.08328	0.07216	-0.17505	0.00014	0.020286	0.66193	-0.04032
-0.07043	0.12855	-0.0308	0.50674	-0.02497	0.59048	0.01741	0.70747	0.118099
0.081786	0.07746	0.010989	0.81277	0.150886	0.00107	0.029633	0.52295	0.167464
0.090644	0.05027	0.071718	0.1217	0.116297	0.0119	0.065394	0.15827	0.163534
-0.04158	0.36995	-0.04985	0.28236	0.01193	0.79708	-0.08278	0.07393	-0.00359
0.036478	0.4316	0.03053	0.51045	0.057472	0.2151	0.029078	0.53076	0.170449
0.011001	0.81258	0.067786	0.14357	0.08496	0.0666	0.068026	0.14216	0.12362
-0.00493	0.91533	0.02831	0.54169	0.039233	0.39761	-0.00095	0.98363	0.098185
-0.00508	0.9129	-0.04545	0.32703	0.014961	0.7471	-0.11459	0.01322	0.026933
-0.0082	0.85964	-0.05895	0.20353	-0.04051	0.38243	-0.08838	0.05633	0.029316
-0.04074	0.37976	-0.06019	0.19413	-0.07176	0.12149	-0.11553	0.01248	-0.08887
-0.00193	0.96679	-0.05731	0.21643	-0.10035	0.03015	-0.06268	0.17631	-0.02872
-0.10167	0.02802	-0.05732	0.21631	-0.13629	0.00317	-0.02589	0.57686	0.064253
-0.12591	0.00644	-0.09776	0.03469	-0.12815	0.00555	-0.05926	0.20117	0.084287
-0.09691	0.0363	-0.1028	0.02631	-0.09907	0.03232	-0.05537	0.23237	0.194951
0.082253	0.07577	0.05227	0.25962	-0.01211	0.79405	0.018887	0.68394	-0.10549
0.073958	0.11045	0.064181	0.16615	-0.02549	0.58264	0.010758	0.81664	-0.13035
0.053068	0.2524	0.008934	0.84731	0.01864	0.68786	0.030306	0.51356	-0.05533
0.068455	0.13965	0.009381	0.83977	-0.00995	0.83018	0.017902	0.69961	-0.08956
0.050865	0.27266	0.054272	0.24178	0.027177	0.55799	0.05817	0.20957	0.084303

0.090928	0.04956	0.009827	0.83226	-0.04051	0.38245	-0.05787	0.21193	-0.14323
0.10008	0.03059	0.031447	0.49782	-0.00068	0.98834	-0.01536	0.74064	-0.11907
0.074055	0.10999	0.038733	0.40366	-0.04185	0.36684	-0.01095	0.81339	-0.1423
0.033484	0.47038	-0.06175	0.18284	-0.06051	0.19181	-0.09954	0.0315	-0.00106
0.067587	0.14475	-0.04055	0.382	-0.0216	0.64158	-0.05277	0.25505	-0.0576
0.117861	0.0108	0.012948	0.78019	0.035233	0.44751	0.118446	0.01041	0.036206
0.170275	0.00022	-0.01288	0.78139	0.043082	0.35291	0.090283	0.0512	0.187947
-0.01974	0.67056	-0.01788	0.69998	0.033926	0.46454	0.010488	0.82117	-0.10896
0.084663	0.06755	-0.02197	0.63578	-0.0489	0.29167	0.017766	0.70177	0.149356
0.315988	2.75E-12	0.117552	0.01101	0.182369	7.38E-05	0.124801	0.00693	0.058247
0.035945	0.43836	0.160578	0.00049	0.01614	0.72793	0.172075	0.00019	-0.17723
-0.09112	0.04908	0.006894	0.88188	-0.11746	0.01108	0.070442	0.12849	-0.08421
0.101295	0.02861	0.265843	5.38E-09	0.386915	3.98E-18	0.283963	4.13E-10	0.390942
-0.06821	0.1411	-0.10666	0.02115	-0.16484	0.00035	-0.15892	0.00057	0.001064
-0.04488	0.33314	-0.22278	1.16E-06	-0.13188	0.00431	-0.09659	0.03692	0.274909
0.074728	0.10678	-0.02109	0.64938	0.051026	0.27114	-0.01699	0.71417	0.032748
-0.03874	0.40361	0.080768	0.08123	0.219509	1.67E-06	0.149255	0.00122	0.232232
0.0057	0.90222	-0.10225	0.02714	-0.09076	0.04998	-0.08455	0.06791	-0.03366
0.056805	0.22047	-0.05801	0.21083	0.020178	0.66361	0.040406	0.38365	0.07784
-0.01851	0.68993	0.033622	0.46855	-0.04074	0.37972	0.010992	0.81273	-0.07427
-0.0999	0.03088	-0.04527	0.32898	-0.00912	0.84413	-0.02834	0.54132	-0.10903
-0.07106	0.12516	-0.00097	0.98333	0.0375	0.4188	0.044847	0.33352	0.012671
0.0252	0.58698	0.050388	0.27718	0.111689	0.01575	-1.64E-05	0.99972	-0.06747
0.053458	0.24892	0.010648	0.81848	0.017577	0.70479	-0.02126	0.64683	-0.05553
0.002085	0.96416	-0.09643	0.03725	-0.01768	0.70322	-0.06375	0.16903	-0.02394
0.005436	0.90674	0.094223	0.04183	0.003572	0.93863	0.098294	0.0337	0.026935
-0.141	0.00226	-0.22139	1.36E-06	-0.36202	6.58E-16	-0.26257	8.39E-09	-0.24854
-0.02755	0.55263	0.046726	0.31365	-0.07382	0.11114	0.074402	0.10833	-0.10574
0.065323	0.15873	0.109636	0.01779	0.072905	0.11563	0.127191	0.00592	-0.03318
0.294347	8.69E-11	0.058413	0.20766	0.006876	0.88219	0.022179	0.6326	-0.16111
0.07664	0.09809	-0.06006	0.19509	-0.03487	0.45219	-0.08871	0.05541	-0.07218
-0.09161	0.04786	-0.09477	0.04065	-0.06822	0.14101	-0.18	9.18E-05	-0.22244
-0.01702	0.71369	0.060441	0.19229	-0.14042	0.00235	-0.03439	0.4585	-0.20728
0.011033	0.81204	-0.0518	0.26397	0.022207	0.63218	-0.04553	0.32625	0.034149
-0.02185	0.63769	-0.03396	0.46403	-0.06023	0.19387	-0.09625	0.03761	-0.04911
-0.01988	0.66822	-0.08177	0.0775	-0.05558	0.23064	-0.0747	0.10691	0.011318
-0.02036	0.66081	-0.04434	0.33903	-0.03686	0.42681	-0.04475	0.33456	0.019721
0.012628	0.78548	0.078539	0.09002	0.087115	0.05996	0.096199	0.0377	0.070834
-0.05556	0.23081	-0.01245	0.78836	-0.02086	0.65294	0.012403	0.78921	0.035381
-0.069	0.13649	0.014946	0.74734	0.026774	0.56384	-0.06878	0.13775	-0.06137
0.004062	0.93024	0.056228	0.2252	0.046378	0.31727	0.07839	0.09063	0.0264
0.115167	0.01276	0.069383	0.13435	-0.06516	0.15979	0.081206	0.07959	0.176962
0.090915	0.04959	0.191434	3.12E-05	0.291107	1.42E-10	0.310869	6.38E-12	0.368216
0.007228	0.87621	0.067391	0.14592	0.096907	0.0363	0.067067	0.14787	0.021843
0.060073	0.19502	0.147226	0.00142	0.169851	0.00023	0.095264	0.03961	0.09068

0.028325	0.54148	0.008944	0.84714	-0.01303	0.77887	-0.0222	0.63233	-0.1986
0.020978	0.65115	-0.05697	0.21911	0.053089	0.25221	-0.01311	0.77747	0.13134
0.012066	0.79481	-0.04585	0.32286	0.025112	0.5883	0.08913	0.05426	0.246475
0.074474	0.10798	-0.02645	0.5685	0.002966	0.94903	0.017732	0.70232	0.065025
0.038526	0.40619	0.118148	0.01061	0.112136	0.01533	0.126557	0.00617	0.07288
0.048359	0.29702	-0.10822	0.01933	-0.06508	0.16026	-0.02875	0.53535	0.105571
0.101153	0.02884	0.049158	0.2891	0.177164	0.00012	0.048224	0.29837	0.01352
0.03754	0.41831	0.114373	0.01339	0.003985	0.93156	0.033062	0.47599	-0.01564
-0.08539	0.06521	-0.18461	5.99E-05	-0.25558	2.12E-08	-0.10954	0.01789	-0.03344
0.061615	0.18378	0.009085	0.84477	0.027228	0.55724	-0.0247	0.59442	0.048709
-0.08398	0.0698	-0.00277	0.95232	-0.08893	0.0548	-0.03946	0.39492	0.032994
0.006454	0.88937	-0.00704	0.87932	-0.0313	0.49989	-0.13592	0.00325	-0.12361
0.064615	0.1633	0.105734	0.0223	0.074502	0.10785	-0.0031	0.94675	-0.05999
0.028049	0.54542	0.040699	0.3802	-0.02486	0.59199	-0.00094	0.98386	-0.04614
-0.0452	0.32977	0.055901	0.22792	0.041038	0.37625	0.046654	0.31439	-0.0019
0.050947	0.27188	-0.07838	0.09066	0.062352	0.17858	-0.03059	0.50957	0.023163
0.01923	0.67852	0.019629	0.67222	0.082785	0.07389	0.024241	0.60131	0.056407
0.027012	0.56037	0.034778	0.45339	0.044303	0.33943	0.090333	0.05107	0.205554
0.007039	0.87941	-0.0198	0.66953	0.060354	0.19293	0.111275	0.01614	0.191112
-0.13964	0.00249	0.012132	0.79373	-0.10343	0.0254	0.01871	0.68675	-0.17734
-0.01911	0.68047	0.042277	0.362	0.059802	0.19704	-0.09844	0.03344	-0.08733
-0.07807	0.09194	0.004242	0.92715	-0.04207	0.36438	-0.03918	0.39826	-0.23011
-0.09051	0.05063	-0.05759	0.21416	-0.0113	0.80763	-0.10748	0.02017	0.026003
0.096285	0.03753	0.083569	0.07119	0.083904	0.07006	0.072313	0.11863	0.076322
-0.14265	0.002	-0.03818	0.41045	-0.11382	0.01386	0.002919	0.94983	0.039873
-0.12053	0.00913	0.007344	0.87423	-0.02594	0.57599	0.004741	0.91861	-0.01371
-0.03996	0.38894	0.121589	0.00853	0.10296	0.02609	0.04601	0.32112	-0.06703
-0.13259	0.0041	0.054677	0.23828	-0.09496	0.04025	0.138576	0.00269	-0.02396
-0.03469	0.45456	-0.01681	0.71704	0.053207	0.25116	-0.01258	0.78633	-0.01013
0.062667	0.17639	0.214571	2.88E-06	0.132815	0.00404	0.288569	2.08E-10	0.124861
0.023606	0.61087	0.005157	0.9115	-0.0022	0.96224	-0.0498	0.28283	0.035077
0.047752	0.30313	0.034506	0.45694	0.058894	0.20394	-0.00461	0.92088	0.142973
-0.00867	0.8518	0.129103	0.0052	0.117135	0.0113	0.058293	0.20861	0.19165
0.072923	0.11554	0.154184	0.00083	0.240493	1.44E-07	0.260284	1.14E-08	0.218008
-0.05315	0.25166	-0.13137	0.00446	-0.09947	0.03162	-0.18943	3.79E-05	0.09941
0.038128	0.41105	-0.22131	1.37E-06	-0.18983	3.64E-05	-0.2253	8.70E-07	0.002381
-0.03973	0.39171	0.00464	0.92034	-0.03062	0.50922	-0.03542	0.44504	-0.13649
0.236215	2.41E-07	0.052292	0.25941	0.101912	0.02765	0.069139	0.13573	0.082891
0.023505	0.61239	0.041505	0.37084	-0.0332	0.4741	0.119692	0.00963	0.154242
0.287285	2.52E-10	0.182625	7.20E-05	0.181929	7.68E-05	0.153772	0.00086	0.065599
-0.16956	0.00023	-0.25246	3.18E-08	-0.20632	6.95E-06	-0.08915	0.05419	0.166047
-0.01192	0.7973	0.074263	0.10899	0.090418	0.05085	0.053268	0.25062	0.087489
-0.04057	0.38171	-0.0756	0.10276	-0.10022	0.03036	-0.05724	0.21692	-0.02993
-0.00941	0.83931	0.204236	8.64E-06	0.172394	0.00018	0.186662	4.93E-05	0.069811
-0.01691	0.71553	-0.02228	0.63113	-0.02953	0.52445	-0.02115	0.64847	-0.1002

-0.04555	0.32599	0.034781	0.45335	-0.04601	0.32115	-0.01019	0.82622	0.021477
0.025377	0.58437	-0.0896	0.05299	-0.06003	0.19537	-0.02222	0.6319	0.106049
0.018105	0.69636	-0.12506	0.00681	-0.00104	0.9822	-0.09053	0.05057	0.136773
0.044977	0.33213	-0.12102	0.00885	0.037271	0.42166	-0.13582	0.00327	0.04197
0.080888	0.08078	-0.07507	0.1052	-0.0004	0.99307	-0.09047	0.05073	0.036355
0.106511	0.02133	0.04692	0.31164	0.062828	0.17528	0.166131	0.00031	0.028855
0.034595	0.45578	-0.00624	0.89296	-0.03147	0.49751	0.071564	0.12251	0.105305
0.059446	0.19973	0.048761	0.29302	0.147344	0.00141	0.036866	0.42672	0.145551
0.063095	0.17345	0.250693	4.00E-08	0.221041	1.41E-06	0.308404	9.52E-12	0.324237
-0.01086	0.81496	-0.07688	0.09706	-0.03013	0.51606	-0.08308	0.07287	0.050842
0.188867	4.00E-05	0.276907	1.15E-09	0.331549	1.91E-13	0.272259	2.22E-09	0.29832
0.010563	0.8199	-0.06937	0.13444	-0.02366	0.61011	-0.041	0.37667	0.097704
0.043635	0.34677	0.14878	0.00126	0.136903	0.00303	0.112111	0.01535	0.013651
0.043544	0.34778	0.03092	0.50505	-0.02757	0.55231	-0.01055	0.82019	-0.08471
-0.04575	0.32389	0.010562	0.81992	-0.01079	0.81602	0.019759	0.67019	-0.06588
0.184652	5.96E-05	0.269583	3.22E-09	0.309915	7.45E-12	0.304117	1.89E-11	0.080188
0.090567	0.05047	-0.03723	0.42212	-0.06271	0.17608	-0.16049	0.0005	-0.10615
-0.0648	0.16207	0.070928	0.12587	-0.10433	0.02415	0.071894	0.12079	0.001568
-0.065	0.16077	-0.01966	0.67173	-0.13033	0.00479	0.04076	0.37949	0.066732
0.128125	0.00556	0.046312	0.31795	0.113263	0.01433	0.045954	0.32172	0.009395
-0.04095	0.37724	0.039664	0.39245	0.00274	0.95291	0.012664	0.78489	-0.03845
-0.01095	0.81343	0.020239	0.66266	0.122251	0.00818	0.011835	0.79866	-0.02875
0.023189	0.61718	0.008376	0.85675	0.032799	0.47951	0.05326	0.25068	0.221174
0.035313	0.44647	-0.02569	0.57976	0.032826	0.47915	-0.03829	0.40912	-0.04804
0.081855	0.07721	0.131674	0.00437	0.106262	0.02164	0.187059	4.75E-05	0.128092
0.025871	0.57707	0.021981	0.63564	0.037855	0.41441	0.06872	0.13812	0.393884
0.068932	0.13691	0.226932	7.21E-07	0.31368	4.02E-12	0.266338	5.03E-09	0.205148
0.032935	0.47769	0.211829	3.88E-06	0.181011	8.36E-05	0.3017	2.77E-11	0.187102
0.011209	0.80909	-0.0403	0.38484	-0.00101	0.98256	-0.01587	0.73236	0.025334
0.005306	0.90896	-0.05109	0.27053	-0.02676	0.56401	-0.05387	0.2453	0.020487
0.013791	0.76627	0.104089	0.02448	0.222207	1.24E-06	0.152058	0.00098	0.107896
0.154022	0.00084	0.194494	2.31E-05	0.352851	3.87E-15	0.172002	0.00019	0.141162
0.073462	0.11287	-0.10536	0.02279	-0.00445	0.92359	-0.11306	0.0145	-0.07569
0.034162	0.46144	-0.00645	0.88943	0.078838	0.0888	-0.00784	0.86585	0.10609
0.036743	0.42826	-0.1188	0.01018	-0.04721	0.30863	-0.15074	0.00109	0.093947
-0.00737	0.87378	0.154971	0.00078	0.022951	0.62081	0.198737	1.52E-05	0.158509
-0.11912	0.00998	-0.04715	0.30927	-0.08901	0.05458	-0.13548	0.00335	-0.06567
-0.12379	0.0074	-0.20057	1.26E-05	-0.16573	0.00032	-0.07394	0.11055	0.054248
-0.0435	0.34831	-0.09794	0.03436	-0.17465	0.00015	-0.14954	0.00119	-0.02395
-0.05967	0.19806	-0.05609	0.22634	-0.02948	0.52512	0.00376	0.93541	0.008047
0.211896	3.85E-06	0.08496	0.0666	0.127693	0.00572	0.116481	0.01177	0.151281
-0.07573	0.10217	-0.11607	0.01207	-0.12366	0.00746	-0.09208	0.04672	-0.03525
-0.04115	0.37496	0.106518	0.02132	-0.13736	0.00293	0.019041	0.6815	-0.14774
0.05482	0.23706	0.206447	6.86E-06	0.262889	8.04E-09	0.143433	0.00189	0.232586
-0.07432	0.10874	-0.13464	0.00356	-0.20242	1.04E-05	-0.05151	0.26663	0.044444

0.017028	0.7136	0.249413	4.71E-08	0.03704	0.42455	0.203755	9.08E-06	-0.12071
-0.06721	0.14701	-0.0306	0.50941	-0.10861	0.01889	-0.02746	0.55383	0.108038
0.052437	0.25809	-0.00729	0.87518	-0.02509	0.58856	-0.02135	0.64533	0.040923
0.076061	0.10066	-0.06734	0.14621	-0.06949	0.13373	-0.06961	0.13309	0.096428
-0.03378	0.46646	-0.08721	0.05968	-0.06281	0.17539	-0.05147	0.26697	0.085061
0.01766	0.70346	0.032735	0.48038	0.040918	0.37765	0.015653	0.73582	-0.00024
0.03204	0.48975	0.054403	0.24065	0.016103	0.72853	-0.00245	0.95789	0.035822
0.050095	0.27999	0.010153	0.82679	0.062849	0.17514	0.041675	0.36887	0.024697
0.052031	0.2618	-0.0185	0.69009	-0.01338	0.77306	-0.01978	0.66987	-0.00288
-0.13237	0.00416	-0.11348	0.01414	-0.21292	3.45E-06	-0.00525	0.90989	-0.01818
-0.12712	0.00594	-0.14674	0.00147	-0.28925	1.88E-10	-0.16125	0.00047	-0.19556
0.14346	0.00188	-0.04608	0.32038	0.037811	0.41495	0.024056	0.60409	0.080928
-0.0031	0.94667	-0.12174	0.00845	-0.03194	0.4911	-0.06477	0.16232	0.147609
0.043571	0.34748	-0.04633	0.31777	-0.06935	0.13452	-0.07604	0.10074	-0.01754
-0.01408	0.76157	-0.0367	0.42883	-0.07392	0.11065	-0.02141	0.64439	0.107519
0.179122	9.94E-05	0.191998	2.95E-05	0.361565	7.20E-16	0.284191	3.99E-10	0.272307
-0.01317	0.77656	-0.06593	0.15489	-0.02828	0.54211	-0.11515	0.01277	-0.18735
-0.01467	0.75192	0.058779	0.20483	0.040475	0.38284	0.044211	0.34043	0.060916
0.019871	0.66843	-0.01389	0.76458	-0.04141	0.37196	0.003214	0.94477	-0.04619
-0.02492	0.59122	-0.04514	0.33035	-0.12076	0.00899	-0.13419	0.00367	-0.0787
0.029598	0.52345	-0.00239	0.95885	-0.04632	0.31786	0.070405	0.12869	0.003133
0.016951	0.71485	0.047961	0.30102	0.03751	0.41868	-0.00011	0.99817	-0.01912
0.054679	0.23826	0.070912	0.12596	0.023053	0.61926	0.052681	0.25588	0.011053
-0.10358	0.0252	-0.1578	0.00062	-0.10099	0.02909	-0.11053	0.01687	-0.05703
-0.03151	0.49694	0.032019	0.49003	0.087206	0.05969	0.014001	0.76283	0.051115
0.009839	0.83206	-0.11716	0.01128	-0.05422	0.24225	-0.08062	0.08178	0.08365
-0.03548	0.44433	-0.05028	0.27822	0.032628	0.48181	-0.00972	0.83409	0.028087
-0.04252	0.3592	-0.1117	0.01574	-0.11683	0.01152	-0.12064	0.00906	0.009465
0.043263	0.35089	6.41E-05	0.9989	-0.02691	0.56185	-0.12973	0.00499	-0.18876
0.008289	0.85821	-0.09135	0.0485	-0.23627	2.40E-07	-0.08367	0.07083	-0.05007
0.184958	5.79E-05	0.341224	3.38E-14	0.325207	5.77E-13	0.282932	4.80E-10	0.109868
0.018862	0.68434	0.064172	0.16621	0.23968	1.59E-07	0.099898	0.03089	0.120892
-0.14281	0.00198	0.024023	0.60458	-0.06942	0.13413	0.012171	0.79307	0.014825
-0.08145	0.07867	-0.19884	1.50E-05	-0.11773	0.01089	-0.11001	0.0174	-0.00506
-0.09586	0.03839	-0.04192	0.36601	0.093727	0.04292	0.006927	0.88132	0.136633
0.047469	0.30601	0.057313	0.21637	0.158494	0.00059	0.054459	0.24016	0.059621
0.142039	0.00209	0.082415	0.0752	0.07756	0.09411	0.081552	0.07831	0.001861
0.014816	0.74948	-0.03423	0.46057	-0.06935	0.13455	-0.01893	0.68321	-0.05379
0.010366	0.82322	0.019707	0.67101	-0.10724	0.02045	0.034496	0.45706	-0.01373
-0.06891	0.13705	0.095097	0.03995	0.031389	0.49861	0.136068	0.00322	0.121755
0.145892	0.00157	0.271739	2.38E-09	0.268536	3.72E-09	0.265195	5.88E-09	0.224212
-0.05868	0.2056	-0.01614	0.72791	-0.13643	0.00313	-0.01865	0.68776	-0.04887
0.062175	0.17982	0.072395	0.11821	0.086649	0.06135	0.036146	0.43581	-0.04994
0.105824	0.02219	-0.01907	0.68107	-0.05336	0.24977	-0.01823	0.69444	0.032244
0.045112	0.33067	-0.00281	0.95176	0.041085	0.3757	-0.07986	0.08474	0.065923

-0.13285	0.00403	0.003241	0.94431	-0.12009	0.00939	0.035857	0.43949	0.063252
0.11254	0.01496	0.099504	0.03157	0.166818	0.00029	0.066923	0.14875	0.143875
0.067266	0.14667	0.012519	0.78729	0.110191	0.01721	0.011021	0.81224	0.062144
-0.08569	0.06429	-0.02175	0.63923	0.075021	0.10542	0.048995	0.2907	0.281039
0.026785	0.56368	0.125091	0.0068	0.04372	0.34582	0.126085	0.00637	-0.03646
0.017663	0.70342	-0.23	5.05E-07	-0.08288	0.07355	-0.26342	7.48E-09	0.060898
0.107225	0.02047	-0.05301	0.25295	-0.00305	0.94754	0.005014	0.91395	0.051749
-0.09184	0.0473	-0.15233	0.00096	-0.08977	0.05253	-0.18417	6.24E-05	0.027125
-0.04332	0.35024	0.077366	0.09493	0.08574	0.06413	0.133104	0.00396	0.106744
0.005593	0.90406	0.069931	0.13129	0.036266	0.43429	0.105491	0.02261	0.047937
0.019109	0.68043	-0.10324	0.02569	0.049388	0.28684	-0.03688	0.42656	0.082568
-0.07485	0.10621	-0.23058	4.71E-07	-0.13798	0.00281	-0.16654	0.0003	0.052742
-0.07314	0.11446	0.145454	0.00162	0.039355	0.39615	0.116289	0.01191	0.040473
0.004241	0.92717	0.008861	0.84855	-0.10099	0.02909	-0.01693	0.71525	-0.01676
-0.1113	0.01611	-0.06546	0.15782	-0.21452	2.90E-06	-0.05543	0.2319	-0.18984
-0.07676	0.09758	-0.08546	0.06499	0.0598	0.19706	0.072033	0.12007	0.322575
0.036453	0.43193	-0.03507	0.44961	0.040532	0.38217	-0.07872	0.08928	-0.04992
-0.00074	0.98729	-0.0039	0.9331	-0.03745	0.41942	-0.01644	0.72312	0.055287
0.058282	0.20869	-0.03871	0.4039	-0.00673	0.88465	-0.03997	0.38878	0.015639
0.019264	0.67798	0.007219	0.87636	0.017636	0.70385	-0.01832	0.69294	0.033609
0.05567	0.22985	0.030272	0.51403	0.098173	0.03392	0.054038	0.24382	0.265781
0.016561	0.72113	-0.08291	0.07346	-0.1187	0.01025	-0.03939	0.39572	0.154048
0.064094	0.16673	0.03536	0.44587	0.091474	0.0482	0.046453	0.31648	0.045381
-0.01387	0.76501	-0.06487	0.16165	-0.09787	0.03447	-0.09191	0.04715	-0.00318
-0.01199	0.79607	-0.15018	0.00113	-0.16162	0.00045	-0.11794	0.01075	-0.06178
-0.0741	0.10975	-0.14959	0.00119	-0.1437	0.00185	-0.11814	0.01061	0.12664
0.068061	0.14195	0.05959	0.19864	0.089246	0.05394	0.06943	0.13409	0.018486
0.015858	0.7325	-0.05312	0.25192	-0.05299	0.25313	-0.10011	0.03053	0.006286
0.076916	0.09688	-0.01415	0.76032	0.017241	0.71018	-0.06527	0.15909	-0.0074
0.023189	0.61718	-0.15099	0.00106	-0.13585	0.00327	-0.09238	0.046	0.167078
0.025106	0.58838	-0.04863	0.29427	0.026112	0.57353	0.01277	0.78314	0.154588
-0.08539	0.06522	-0.10033	0.03017	-0.22666	7.44E-07	-0.08241	0.0752	-0.06736
-0.05067	0.27454	-0.17436	0.00015	-0.12325	0.00766	-0.06334	0.17175	0.159781
0.031905	0.49158	0.031124	0.50225	-0.09098	0.04943	0.035598	0.44281	-0.07501
0.014877	0.74847	-0.03067	0.50848	0.001882	0.96764	-0.01894	0.68312	-0.07382
0.083533	0.07131	0.037893	0.41394	0.119601	0.00968	0.039147	0.39866	0.162367
0.021655	0.64066	0.052307	0.25927	0.020438	0.65955	0.090517	0.0506	-0.01999
0.084562	0.06788	0.109391	0.01804	0.263439	7.46E-09	0.076934	0.0968	0.049986
0.088655	0.05556	-0.05577	0.22903	0.009822	0.83234	0.003128	0.94626	-0.04909
0.039933	0.38924	-0.09574	0.03862	-0.05777	0.21269	-0.02006	0.66547	0.065629
0.147432	0.0014	-0.01487	0.74863	0.052261	0.2597	0.064858	0.16172	0.079233
-0.13709	0.00299	0.003022	0.94807	0.036928	0.42595	-0.02652	0.56759	0.013939
0.031834	0.49255	-0.01766	0.70351	0.025261	0.58608	-0.02972	0.52179	-0.00122
-0.08602	0.06327	-0.17471	0.00015	-0.13447	0.0036	-0.03172	0.49409	0.154949
0.014832	0.74921	0.014609	0.75285	0.033602	0.46882	-0.01137	0.80642	0.137978



0.023762	0.60852	-0.06297	0.17434	-0.08066	0.08165	-0.06945	0.13397	0.033284
0.055682	0.22975	-0.04314	0.35221	0.048462	0.29598	-0.06866	0.13845	-0.00558
-0.00676	0.8842	-0.15912	0.00056	-0.08495	0.06662	-0.12577	0.0065	0.111164
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0.036964	0.4255	-0.04382	0.34477	-0.02837	0.54089	0.026798	0.56349	0.222848
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-0.03285	0.47883	-0.11393	0.01376	-0.13682	0.00305	-0.07099	0.12554	-0.0568
-0.03733	0.42095	0.104157	0.02439	-0.00796	0.86373	0.096356	0.03739	-0.15152
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0.018326	0.69285	0.021201	0.64769	-0.00315	0.94586	0.056587	0.22225	-0.00196
0.027927	0.54717	-0.02134	0.64551	0.139111	0.00259	0.009913	0.83082	0.230327
-0.03501	0.45037	-0.01496	0.74715	-0.03384	0.4657	-0.0472	0.30871	0.062331
-0.01746	0.70669	0.002216	0.96192	0.042885	0.35513	0.077451	0.09457	0.29773
-0.00896	0.84692	-0.12968	0.00501	-0.08183	0.07731	-0.12225	0.00818	0.100205
0.067878	0.14302	-0.07644	0.09897	-0.05327	0.25064	0.021338	0.64557	0.201736
0.056054	0.22665	-0.02732	0.55596	-0.00441	0.92423	-0.0219	0.63683	0.119879
0.117532	0.01103	0.054221	0.24223	0.115157	0.01277	0.03383	0.46581	0.103571
0.02471	0.59429	0.082771	0.07394	0.063574	0.1702	0.180023	9.16E-05	0.180447
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-0.08815	0.05697	0.016482	0.7224	-0.11681	0.01153	-0.04716	0.30914	-0.15633
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0.15271	0.00093	-0.01508	0.74514	0.104718	0.02363	-0.02667	0.56532	0.005376
0.011071	0.81141	0.021319	0.64586	0.033414	0.47131	0.053865	0.24534	0.147985
-0.06244	0.178	-0.01613	0.72814	0.034505	0.45694	-0.06085	0.18928	0.162178
0.066005	0.15441	0.100704	0.02956	0.08984	0.05236	0.028997	0.53191	0.006819
0.073738	0.11152	0.014001	0.76282	0.009862	0.83167	0.018086	0.69666	-0.02243
0.040152	0.38665	0.124656	0.00699	0.029122	0.53014	0.129282	0.00514	0.082075
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0.30711	1.17E-11	0.324044	7.05E-13	0.305345	1.56E-11	0.337376	6.78E-14	0.120043
0.004829	0.9171	-0.07051	0.1281	-0.01999	0.6666	-0.09309	0.04437	-0.0363
0.071205	0.12439	-0.03821	0.41004	-0.03506	0.44969	-0.00513	0.91188	0.245931
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-0.04668	0.31408	-0.21129	4.11E-06	-0.14075	0.0023	-0.24084	1.38E-07	-0.11376
0.001191	0.97951	0.005485	0.90589	0.035396	0.4454	-0.07804	0.09209	0.007482
-0.02892	0.53306	-0.09495	0.04026	-0.02673	0.56447	-0.02251	0.62752	0.092516
-0.11803	0.01068	-0.05037	0.27731	-0.23925	1.67E-07	-0.16292	0.00041	-0.21339
0.095062	0.04003	0.34538	1.57E-14	0.191781	3.02E-05	0.320374	1.32E-12	-0.11802
-0.00399	0.9314	-0.0914	0.04839	-0.0686	0.13879	-0.12503	0.00682	-0.01959
-0.04533	0.32832	-0.03416	0.46144	0.029885	0.51942	-0.00805	0.8622	0.237676
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-0.01541	0.73972	-0.15072	0.00109	0.005162	0.91142	-0.16542	0.00033	0.026555
0.028599	0.53757	0.149687	0.00118	0.002762	0.95254	0.111039	0.01637	-0.01366
-0.07925	0.08714	0.050433	0.27675	0.059679	0.19796	0.027574	0.55225	-0.03723
0.066735	0.1499	-0.0582	0.20934	-0.09163	0.04781	-0.05202	0.26186	0.04272

0.071026	0.12535	-0.05297	0.25331	0.022366	0.62974	-0.0716	0.12233	0.158737
-0.03287	0.47862	-0.17032	0.00022	-0.05836	0.20805	-0.1571	0.00066	0.09774
-0.04601	0.32113	-0.16091	0.00048	-0.11928	0.00988	-0.13353	0.00384	0.108768
0.033593	0.46894	0.158951	0.00057	0.220975	1.42E-06	0.273613	1.83E-09	0.137466
0.005415	0.90709	0.224456	9.57E-07	0.169467	0.00023	0.143183	0.00192	0.05167
0.017414	0.70741	0.24479	8.44E-08	0.179902	9.26E-05	0.159886	0.00052	0.043671
0.019384	0.67609	0.21104	4.22E-06	0.170684	0.00021	0.157866	0.00062	0.053938
0.241312	1.30E-07	0.423996	8.44E-22	0.341268	3.35E-14	0.306226	1.35E-11	0.099509
0.098656	0.03305	-0.04743	0.30637	-0.03247	0.48398	0.031172	0.50159	0.101599
-0.00014	0.99758	-0.1002	0.03039	-0.10112	0.02889	-0.141	0.00226	-0.08883
-0.04264	0.35793	-0.08643	0.062	-0.1684	0.00026	-0.04866	0.29406	-0.02059
-0.02852	0.53873	0.041888	0.36644	-0.0529	0.25394	0.047865	0.30198	-0.02689
-0.15487	0.00079	0.012423	0.78889	-0.14744	0.0014	-0.07954	0.086	-0.04556
-0.07374	0.11152	-0.10253	0.02672	-0.15208	0.00098	-0.00439	0.92461	0.142245
0.080674	0.08159	0.039925	0.38934	-0.03874	0.40354	0.098081	0.03409	0.102554
0.02151	0.6429	-0.02138	0.64488	-0.01154	0.8036	-0.02363	0.61052	-0.01756
0.1458	0.00158	-0.11733	0.01116	-0.06321	0.17267	-0.13946	0.00252	-0.00386
-0.06261	0.17678	0.065383	0.15835	0.014243	0.75886	0.09572	0.03867	0.098052
-0.01838	0.692	-0.13805	0.00279	-0.15042	0.00111	-0.18408	6.29E-05	-0.00617
0.108093	0.01947	0.00764	0.86921	0.084844	0.06697	0.158342	0.00059	0.117017
0.001118	0.98078	-0.05105	0.27092	-0.02668	0.56525	-0.05599	0.22715	0.10355
-0.03648	0.43154	0.127326	0.00586	-0.10181	0.02781	0.077326	0.09511	-0.11121
-0.10665	0.02116	-0.0108	0.81586	-0.14799	0.00134	-0.00566	0.90287	-0.22045
-0.16791	0.00027	-0.12137	0.00865	-0.1946	2.29E-05	-0.09122	0.04882	-0.23559
0.033774	0.46655	-0.0595	0.19933	0.074587	0.10745	-0.06779	0.14357	0.145722
0.030014	0.51763	0.019124	0.68019	0.095849	0.0384	0.113247	0.01434	0.196974
0.090883	0.04967	0.064343	0.16509	0.018274	0.69368	0.051699	0.26486	0.072526
0.041067	0.37591	0.015463	0.73892	-0.07013	0.13021	0.048522	0.29538	0.151159
0.029338	0.52711	-0.09119	0.04889	-0.07131	0.12387	-0.09789	0.03445	-0.01512
0.034625	0.45538	0.049194	0.28874	0.015435	0.73937	0.050583	0.27533	-0.05682
-0.06317	0.17293	0.117133	0.0113	0.06363	0.16982	0.172773	0.00018	0.20781
-0.0163	0.72527	-0.03689	0.42637	-0.12509	0.0068	-0.12052	0.00914	-0.21164
-0.00955	0.83692	0.054863	0.23668	0.024879	0.59176	0.09566	0.03879	0.17905
-0.02227	0.63114	0.04171	0.36847	-0.09745	0.03526	-0.05513	0.23445	-0.12906
0.058593	0.20626	0.016302	0.72532	-0.01909	0.68072	0.006485	0.88884	-0.14045
0.016002	0.73017	0.014282	0.75821	-0.01827	0.69374	-0.03416	0.4615	-0.12721
0.032154	0.4882	-0.03949	0.39455	-0.07016	0.13004	-0.04973	0.28355	-0.06634
-0.03033	0.51315	-0.0552	0.23377	-0.00941	0.8392	0.03709	0.42392	0.264679
-0.00625	0.89286	0.015069	0.74534	0.039156	0.39854	0.103328	0.02555	0.223157
-0.03784	0.41457	-0.03257	0.48261	0.01821	0.69469	0.072768	0.11632	0.304732
-0.01193	0.79711	0.00266	0.95428	0.016679	0.71923	0.120951	0.00889	0.296327
0.021516	0.64282	0.030945	0.50471	0.013216	0.77576	0.075411	0.10361	0.045446
0.18233	7.40E-05	0.114368	0.0134	0.012897	0.78104	0.034889	0.45194	-0.08691
0.059113	0.20226	0.087064	0.06011	0.182076	7.58E-05	0.078958	0.08831	0.121776
0.185996	5.26E-05	0.130609	0.0047	0.208495	5.53E-06	0.097266	0.03562	-0.09805

-0.08192	0.07697	-0.13403	0.00371	-0.15818	0.0006	-0.0948	0.04058	0.061439
-0.02413	0.60292	0.04191	0.36617	-0.02103	0.65034	0.142215	0.00207	0.110492
-0.01972	0.67075	0.013126	0.77725	-0.1071	0.02061	-0.07755	0.09414	-0.08395
-0.05696	0.21926	-0.00631	0.89187	-0.02524	0.58641	0.027141	0.55851	0.115995
0.104061	0.02452	0.045246	0.32924	0.05084	0.27289	0.025364	0.58455	0.024232
-0.09138	0.04844	0.00803	0.8626	-0.01574	0.73441	-0.00138	0.97626	-0.02685
0.002684	0.95387	0.082943	0.07334	0.066734	0.14991	0.054036	0.24384	-0.02378
0.011249	0.80843	0.038828	0.40251	0.04163	0.36939	0.004707	0.91919	0.072203
0.050947	0.27188	0.062413	0.17816	0.038486	0.40667	0.093077	0.04439	0.003769
-0.0195	0.67424	0.021948	0.63616	0.006003	0.89706	0.070389	0.12878	0.100044
0.014515	0.75439	0.119653	0.00965	0.085867	0.06373	0.071456	0.12307	-0.02497
0.008656	0.852	0.054375	0.24089	0.022082	0.63409	0.014594	0.7531	0.026272
0.013025	0.77891	0.043403	0.34934	0.037193	0.42262	0.000304	0.99477	0.038729
-0.05935	0.20042	-0.14878	0.00126	-0.14503	0.00168	-0.13481	0.00351	-0.03101
0.043775	0.34522	-0.01316	0.77661	0.005039	0.91351	0.006544	0.88784	0.027783
0.006824	0.88307	0.031128	0.50219	-0.01829	0.69347	0.070627	0.12749	-0.09227
-0.01356	0.77008	0.082385	0.0753	0.017964	0.69862	0.105	0.02325	0.076791
-0.07478	0.10652	0.112675	0.01484	0.017986	0.69826	0.144047	0.0018	0.142976
0.052014	0.26196	0.063165	0.17297	0.042094	0.36408	0.062415	0.17814	0.019316
-0.03104	0.50341	-0.02506	0.58909	0.010679	0.81797	0.044938	0.33255	0.128427
-0.01627	0.7259	0.076016	0.10086	0.036415	0.43241	0.020031	0.66591	0.028917
0.088937	0.05478	0.042291	0.36184	0.002606	0.95521	0.011547	0.80347	0.017159
0.051847	0.26349	-0.03186	0.49215	0.011637	0.80196	-0.05944	0.1998	-0.04667
0.033894	0.46495	0.01091	0.8141	0.092564	0.04558	0.110129	0.01728	0.016905
-0.00721	0.87659	-0.00991	0.8308	-0.11131	0.01611	-0.08059	0.0819	-0.12121
0.012883	0.78127	-0.05035	0.27757	-0.15202	0.00098	0.000389	0.99331	-0.00452
0.060251	0.19369	0.018963	0.68273	-0.03272	0.4806	0.049069	0.28997	0.098692
-0.00536	0.90795	-0.03082	0.50638	-0.13837	0.00273	-0.02944	0.52569	-0.01195
-0.00408	0.92993	-0.04452	0.33712	-0.13898	0.00261	0.003291	0.94346	-0.04853
0.068788	0.13773	-0.06344	0.17113	0.032334	0.48577	-0.04897	0.29091	0.107721
0.034639	0.4552	0.007473	0.87204	0.009793	0.83283	-0.02932	0.52735	-0.04813
-0.01923	0.67852	0.006827	0.88302	0.047319	0.30754	0.014713	0.75115	0.04119
-0.05975	0.19741	0.072258	0.11891	-0.04397	0.34309	0.083692	0.07077	-0.14262
0.008383	0.85663	-0.06287	0.17498	0.000446	0.99232	-0.06423	0.16582	-0.04144
0.010489	0.82116	-0.1646	0.00035	-0.06086	0.1892	-0.09028	0.05122	0.068395
-0.08597	0.06341	0.076612	0.09821	0.163032	0.0004	0.073304	0.11365	0.164717
-0.1298	0.00496	-0.13128	0.00449	-0.11924	0.00991	-0.04461	0.33608	0.203626
-0.09554	0.03903	-0.12784	0.00566	-0.08792	0.05763	-0.007	0.88002	0.055719
-0.04573	0.32405	0.042599	0.35835	-0.02062	0.65667	0.048569	0.29492	0.027478
-0.08191	0.077	-0.09755	0.03507	-0.05385	0.24548	0.016601	0.72049	0.017054
-0.04985	0.28234	-0.17444	0.00015	-0.06891	0.13702	-0.18234	7.40E-05	0.073676
-0.1139	0.01378	-0.11234	0.01515	-0.1121	0.01537	-0.11806	0.01067	-0.04252
0.245053	8.17E-08	0.040688	0.38033	0.076102	0.10048	0.143184	0.00192	0.106192
-0.031	0.50397	-0.05512	0.2345	-0.07812	0.09174	-0.05307	0.25238	-0.04227
0.022009	0.63522	0.069363	0.13446	-0.04992	0.28163	0.076352	0.09936	-0.06181

0.03691	0.42616	-0.01801	0.69793	0.042654	0.35773	-0.01676	0.71798	0.038865
-0.01302	0.77903	0.090203	0.05141	0.043741	0.34559	0.022778	0.62344	-0.02387
0.013186	0.77626	-0.04409	0.34174	-0.00653	0.88812	-0.02133	0.64562	-0.00942
0.003966	0.93188	-0.01351	0.77088	0.007006	0.87997	-0.02531	0.58538	0.046704
0.057918	0.21155	-0.00588	0.89915	0.055703	0.22957	0.012213	0.79237	0.016476
0.037793	0.41517	-0.055	0.23552	-0.0025	0.95704	-0.01481	0.74952	0.004218
0.058562	0.20651	-0.0365	0.43131	-0.03903	0.40004	-0.03036	0.51274	0.020262
0.071483	0.12293	-0.11362	0.01402	-0.04926	0.2881	-0.05004	0.28048	0.124407
-0.07528	0.1042	-0.15369	0.00086	-0.0812	0.07963	-0.16231	0.00043	0.051292
0.006997	0.88014	-0.00052	0.99114	0.016408	0.72359	0.064662	0.16299	0.063002
-0.0189	0.68379	0.041952	0.3657	-0.07732	0.09515	0.096552	0.037	0.015494
1.16E-05	0.9998	-0.06993	0.13132	-0.11178	0.01566	-0.06864	0.13859	-0.1479
-0.00877	0.85008	0.009424	0.83905	-0.04232	0.36152	0.001901	0.96731	-0.04565
0.054848	0.23682	-0.02182	0.63819	-0.02995	0.51857	-0.01219	0.79284	-0.02537
0.057602	0.21406	0.017116	0.7122	0.015325	0.74117	0.02685	0.56274	-0.00897
0.043097	0.35275	-0.02596	0.57571	0.006764	0.88409	0.04648	0.31621	0.154886
0.017583	0.7047	0.113452	0.01416	-0.00732	0.8747	0.109852	0.01756	-0.13284
-0.00802	0.86275	0.063658	0.16964	-0.05589	0.22803	0.05359	0.24776	0.101507
-0.03561	0.44261	-0.1411	0.00224	-0.10395	0.02468	-0.10277	0.02636	0.055264
0.151115	0.00105	0.04412	0.34143	-0.02961	0.52331	-0.0758	0.10184	-0.12395
0.072775	0.11629	-0.08166	0.07793	-0.05163	0.26549	-0.07861	0.08974	0.033984
0.001148	0.98025	0.086094	0.06303	-0.00118	0.97971	0.060885	0.18904	-0.09447
-0.04219	0.36304	-0.14383	0.00183	-0.08183	0.07731	-0.06522	0.15942	0.104172
0.007104	0.87831	-0.05704	0.21853	0.021821	0.63811	-0.07763	0.09382	-0.02916
0.068747	0.13797	-0.04776	0.30305	-0.04477	0.33431	-0.1506	0.0011	-0.1243
-0.02455	0.59664	0.023971	0.60536	-0.14551	0.00162	-0.08246	0.07505	-0.25607
0.037669	0.41671	0.036442	0.43206	0.078696	0.08937	0.153279	0.00089	0.118263
0.108425	0.01909	0.04232	0.36151	0.050533	0.2758	0.068817	0.13757	0.100213
-0.00064	0.98901	0.194048	2.42E-05	0.182431	7.34E-05	0.179501	9.60E-05	0.055389
0.144113	0.00179	0.091743	0.04754	0.02631	0.57061	0.036857	0.42683	-0.02592
0.017501	0.70602	-0.0793	0.08695	-0.10858	0.01892	-0.05414	0.24295	0.075633
-0.035	0.45054	-0.10817	0.01938	-0.17392	0.00016	-0.03257	0.48259	0.055063
0.056242	0.22509	0.137022	0.00301	0.071642	0.12209	0.142034	0.00209	0.159328
0.100695	0.02958	0.140229	0.00239	0.097903	0.03442	0.166968	0.00029	0.150148
0.063953	0.16767	-0.00414	0.92894	0.011357	0.80662	-0.02837	0.54084	-0.02075
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-0.05707	0.21831	-0.06796	0.14256	-0.06479	0.16218	-0.03571	0.44139	0.185724
-0.02812	0.54447	-0.05905	0.20271	-0.086	0.06331	-0.04512	0.3306	0.126443
0.042647	0.35781	0.070476	0.12831	0.112619	0.01489	0.008133	0.86086	0.061626
0.038936	0.4012	-0.04559	0.32558	-0.04477	0.33435	-0.05872	0.20525	-0.00119
0.024589	0.5961	-0.01639	0.72384	-0.0058	0.9006	-0.00346	0.94059	0.073545
0.028561	0.5381	0.048788	0.29274	-0.009	0.84627	0.05146	0.26708	-0.0137
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0.057893	0.21175	0.006634	0.8863	-0.03086	0.50591	0.045332	0.32832	-0.01663
0.040174	0.38638	-0.0707	0.12709	-0.0352	0.44788	-0.07344	0.11297	-0.02758

-3.40E-05	0.99942	-0.08975	0.05261	-0.04783	0.30237	-0.06691	0.14882	0.030924
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0.155062	0.00077	-0.02915	0.52972	-0.02216	0.63292	-0.0106	0.81936	0.10421
0.000212	0.99636	0.108535	0.01897	-0.09015	0.05155	0.048807	0.29256	0.01792
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0.392083	1.30E-18	0.037842	0.41457	0.092672	0.04533	0.061678	0.18333	-0.01497
0.081385	0.07893	0.068326	0.1404	0.016474	0.72253	0.0972	0.03574	0.146564
0.013955	0.76358	0.10168	0.02801	-0.01528	0.74186	0.092451	0.04585	-0.03342
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0.035524	0.44375	0.023168	0.6175	-0.06221	0.1796	-0.0492	0.28866	-0.05583
0.369072	1.62E-16	0.253858	2.66E-08	0.25947	1.27E-08	0.231997	3.99E-07	0.180532
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0.017836	0.70066	-0.08951	0.05323	-0.03304	0.47627	-0.06572	0.15623	-0.03423
-0.02441	0.59877	0.071347	0.12365	0.105654	0.0224	0.115815	0.01226	0.182221
0.050709	0.27413	0.266843	4.70E-09	0.196232	1.95E-05	0.193426	2.57E-05	-0.01029
-0.00801	0.86288	-0.05024	0.27856	0.006957	0.88082	-0.00611	0.89518	0.188387
-0.01458	0.75339	0.010416	0.82237	-0.01914	0.67997	0.001608	0.97235	0.024234
0.033046	0.47621	-0.01438	0.75664	-0.04359	0.34724	-0.06132	0.18589	-0.08002
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-0.00894	0.84713	0.023454	0.61317	0.030507	0.51077	-0.01331	0.77416	0.009803
0.049339	0.28733	-0.08822	0.05679	0.004332	0.92561	-0.08703	0.06022	0.130105
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0.104199	0.02433	0.006797	0.88353	-0.0147	0.75137	-0.0449	0.33297	0.017693
-0.06691	0.14883	0.015515	0.73807	-0.13669	0.00308	0.053763	0.24623	-0.03522
0.012083	0.79454	-0.05776	0.21277	-0.09416	0.04196	-0.04613	0.31987	-0.05379
0.006723	0.88479	-0.03742	0.41982	0.056564	0.22244	-0.00076	0.98692	0.100364
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0.072898	0.11567	-0.0399	0.38965	0.045263	0.32905	-0.0272	0.55762	0.119617
-0.04459	0.33633	0.161103	0.00047	0.081014	0.08031	0.185122	5.71E-05	0.165292
-0.06942	0.13415	-0.10025	0.03031	-0.13672	0.00307	-0.01182	0.79883	0.0581
-0.02248	0.62797	-0.12862	0.00537	0.020039	0.66579	-0.15025	0.00113	-0.04597
-0.01905	0.6814	-0.11793	0.01076	-0.10739	0.02028	-0.11579	0.01228	0.166655
0.24732	6.14E-08	0.127999	0.0056	0.238381	1.86E-07	0.131656	0.00437	0.082186
0.013793	0.76625	-0.07046	0.12838	-0.04066	0.38066	-0.0318	0.49307	0.091181
-0.06492	0.16131	-0.05038	0.2773	-0.1955	2.09E-05	-0.09474	0.0407	-0.2469
0.030492	0.51097	0.098805	0.03279	0.219875	1.61E-06	0.049438	0.28636	0.076816
0.047296	0.30777	-0.03808	0.41165	-0.02439	0.59904	-0.07767	0.09363	-0.05633

0.037853	0.41444	-0.15619	0.00071	-0.0923	0.04621	-0.18513	5.70E-05	-0.05087
-0.00245	0.95784	0.046739	0.31351	-0.02284	0.62244	0.08577	0.06403	-0.0473
0.045644	0.325	-0.05962	0.19843	-0.091	0.04938	-0.00129	0.9778	0.185134
0.070121	0.13025	-0.07728	0.09529	-0.10311	0.02586	-0.08838	0.05632	-0.09803
0.013205	0.77594	0.020768	0.65441	-0.0266	0.56635	-0.04338	0.34961	-0.12885
0.012105	0.79417	-0.05149	0.26678	0.048248	0.29813	0.03308	0.47576	0.203153
-0.10291	0.02616	-0.15464	0.0008	-0.16906	0.00024	-0.04548	0.32673	0.000808
0.060914	0.18883	0.019404	0.67577	-0.01295	0.7801	-0.03129	0.49993	0.071523
0.002339	0.9598	-0.10049	0.02991	-0.09265	0.04539	-0.08775	0.0581	-0.02745
0.080537	0.08211	0.064825	0.16193	0.126653	0.00613	0.02237	0.62968	-0.08346
0.018579	0.68883	0.015027	0.74602	0.039513	0.39426	-0.03707	0.42412	0.091091
-0.00349	0.94004	-0.0266	0.56633	-0.01758	0.7048	-0.05949	0.19943	0.150221
0.042457	0.35995	-0.03801	0.41251	-0.04676	0.31332	-0.03853	0.4061	-0.00341
-0.09137	0.04847	0.000108	0.99814	0.016438	0.72311	-0.06456	0.16369	-0.13263
-0.01179	0.79947	-0.03391	0.46471	0.050318	0.27785	-0.02976	0.52112	0.148578
-0.04437	0.33869	-0.09805	0.03415	-0.0452	0.32969	-0.04714	0.30941	-0.04153
-0.02389	0.60663	-0.12488	0.00689	-0.12247	0.00806	-0.11732	0.01117	0.108674
0.043882	0.34404	-0.04504	0.33147	0.000194	0.99666	-0.0373	0.42126	0.017431
0.008828	0.8491	0.000934	0.98393	0.074225	0.10917	0.063888	0.1681	0.016118
-0.08097	0.08048	0.024797	0.59299	-0.08028	0.08308	0.088839	0.05505	-0.00811
0.021945	0.63619	-0.01568	0.73541	-0.10228	0.0271	-0.12326	0.00766	-0.13738
0.077619	0.09386	0.029199	0.52906	0.090987	0.04941	0.023267	0.61601	0.261126
0.116962	0.01142	0.140374	0.00236	0.201079	1.19E-05	0.107301	0.02038	0.121502
-0.01082	0.81566	-0.12779	0.00568	0.027099	0.55912	-0.07132	0.1238	0.179257
-0.0669	0.14887	-0.28563	3.23E-10	-0.15476	0.00079	-0.04651	0.31591	0.248607
-0.00964	0.83549	0.063891	0.16808	0.0865	0.06179	0.134309	0.00364	0.200417
-0.10449	0.02394	-0.22373	1.04E-06	-0.20389	8.96E-06	-0.16529	0.00033	0.064756
0.069317	0.13472	0.034064	0.46273	0.060937	0.18866	-0.03016	0.51557	-0.05963
-0.03028	0.5139	-0.1643	0.00036	-0.16169	0.00045	-0.15141	0.00103	-0.06351
0.109122	0.01833	0.164253	0.00036	-0.00395	0.93209	0.084345	0.06859	0.004287
-0.04466	0.33557	-0.21013	4.65E-06	-0.15063	0.00109	-0.11325	0.01434	0.034675
-0.1181	0.01064	-0.06369	0.16943	-0.17567	0.00014	-0.04368	0.34631	-0.02265
-0.00624	0.89298	0.116807	0.01153	-0.00223	0.96162	0.066015	0.15435	0.000897
0.035353	0.44595	-0.09687	0.03638	-0.04866	0.294	-0.06994	0.13127	-0.0114
0.040486	0.3827	0.005093	0.91259	0.016483	0.72239	-0.0709	0.12604	-0.06329
0.016714	0.71866	-0.05151	0.26662	-0.04191	0.3662	-0.11844	0.01042	-0.0059
0.013612	0.76923	0.142484	0.00202	0.273327	1.91E-09	0.12353	0.00753	0.146516
0.057953	0.21127	0.026543	0.56721	-0.00138	0.97634	0.048252	0.29809	-6.75E-05
-0.02925	0.52828	-0.05711	0.21804	-0.08688	0.06066	0.024349	0.59969	0.178239
0.043446	0.34886	0.145674	0.0016	0.214577	2.88E-06	0.196199	1.95E-05	0.121506
0.022917	0.62133	0.175818	0.00013	0.012727	0.78385	0.076444	0.09895	0.055434
-0.08883	0.05509	-0.06927	0.13501	-0.0355	0.4441	0.047471	0.30598	0.177974
0.003547	0.93906	0.002785	0.95214	-0.05278	0.25499	0.043633	0.34679	0.161427
0.058561	0.20652	0.245219	8.00E-08	0.158501	0.00059	0.211183	4.15E-06	0.219401
-0.05784	0.21218	-0.11811	0.01063	-0.08166	0.07793	0.007725	0.86777	0.26408

0.070992	0.12553	-0.0077	0.86824	0.068922	0.13696	0.065008	0.16075	0.248854
0.057835	0.21221	-0.00792	0.86449	0.044185	0.34072	-0.10963	0.0178	-0.11684
-0.00272	0.95328	0.013197	0.77607	-0.0228	0.62313	-0.00347	0.94047	0.005729
0.115317	0.01264	0.087218	0.05966	-0.06509	0.16021	0.025927	0.57625	-0.20142
-0.02107	0.64972	-0.00616	0.89435	0.008122	0.86104	-0.02216	0.63285	0.131962
0.000804	0.98617	-0.00737	0.87376	-0.05944	0.19977	-0.00725	0.87588	0.057783
0.022044	0.63467	0.074542	0.10766	0.233285	3.43E-07	0.102292	0.02708	0.28103
0.105302	0.02286	0.29469	8.25E-11	0.139599	0.0025	0.232157	3.92E-07	-0.04522
0.05805	0.21051	0.170976	0.00021	0.172403	0.00018	0.141299	0.00221	-0.02461
0.020826	0.65351	0.010911	0.81409	-0.03094	0.50485	-0.0328	0.47951	-0.08009
0.003672	0.93692	-0.08847	0.05607	-0.10312	0.02586	0.000492	0.99154	0.051712
-0.02352	0.61224	0.042611	0.35821	0.094732	0.04073	-0.00635	0.8912	0.01043
0.027089	0.55927	-0.10313	0.02584	-0.06923	0.13519	-0.03465	0.45507	0.071463
0.143343	0.0019	0.00928	0.84148	0.070161	0.13003	0.015707	0.73496	0.087779
0.144961	0.00168	0.002344	0.9597	0.076715	0.09776	0.033632	0.46842	0.210895
0.010586	0.81953	-0.08689	0.06062	-0.00946	0.83845	-0.04167	0.3689	0.172267
0.187444	4.58E-05	0.044592	0.33628	0.077539	0.0942	0.052719	0.25553	0.019654
0.144384	0.00176	0.030849	0.50603	0.112988	0.01457	0.057601	0.21406	0.033523
0.11458	0.01323	-0.03661	0.4299	0.032677	0.48115	0.031898	0.49167	0.237155
0.11082	0.01658	-0.00296	0.94911	0.079719	0.08527	0.023622	0.61062	0.041788
0.122003	0.00831	0.007143	0.87765	0.040273	0.38521	0.024721	0.59413	0.046087
0.044827	0.33374	-0.10022	0.03035	0.015801	0.73343	-0.03394	0.46435	0.136668
-0.01578	0.73375	-0.0346	0.45572	0.043337	0.35007	0.065933	0.15486	0.075284
0.047947	0.30116	-0.08045	0.08244	-0.01428	0.75827	-0.08145	0.07868	0.035316
0.004951	0.91503	-0.03545	0.44465	0.020674	0.65587	-0.01924	0.67828	0.014771
0.086562	0.06161	-0.06699	0.14834	0.00496	0.91487	-0.08189	0.07707	0.144667
0.126464	0.00621	-0.00971	0.83415	0.036824	0.42725	0.025971	0.57559	0.095535
0.262729	8.22E-09	0.069621	0.13301	0.116411	0.01182	0.098149	0.03397	0.01982
0.015225	0.7428	-0.05821	0.20928	-0.04929	0.28784	-0.05411	0.24316	0.088964
0.053989	0.24425	0.005389	0.90753	0.085125	0.06607	0.05083	0.27298	0.115771
0.213087	3.38E-06	-0.02389	0.60654	0.026906	0.56192	0.0006	0.98968	0.112379
0.2165	2.33E-06	-0.01798	0.69842	0.050381	0.27725	0.032491	0.48366	0.190187
0.047553	0.30514	0.015446	0.7392	0.049487	0.28588	-0.00924	0.84219	0.079182
-0.05375	0.24633	-0.08818	0.05689	-0.01583	0.73291	-0.01367	0.76829	0.19602
-0.05465	0.23853	-0.16769	0.00027	-0.10286	0.02623	-0.10556	0.02253	0.180227
-0.00369	0.93657	-0.08831	0.05652	-0.06561	0.15689	-0.05688	0.21989	0.023532
-0.05007	0.28027	-0.10665	0.02115	-0.11432	0.01344	-0.10123	0.02871	0.134147
-0.10855	0.01895	-0.04547	0.32686	-0.09106	0.04923	0.042489	0.35959	-0.11052
0.048368	0.29692	0.104579	0.02381	-0.0606	0.19111	0.063103	0.17339	-0.15782
0.001952	0.96645	-0.08138	0.07895	-0.09891	0.0326	-0.03134	0.49923	0.079618
0.062773	0.17566	0.183287	6.77E-05	0.208713	5.40E-06	0.279465	7.95E-10	0.251372
0.004705	0.91923	-0.02844	0.53978	-0.0083	0.85797	-0.03724	0.42202	-0.04779
0.024397	0.59896	0.084172	0.06917	0.061768	0.18269	-0.00745	0.87243	-0.05315
-0.08663	0.06141	-0.1123	0.01519	-0.21714	2.17E-06	-0.05311	0.25201	-0.09515
-0.01655	0.72132	0.060003	0.19554	0.010925	0.81384	0.03522	0.44767	0.001904

0.082296	0.07562	-0.13479	0.00352	-0.00153	0.97369	-0.12542	0.00665	-0.05734
0.07878	0.08903	0.064681	0.16287	0.162764	0.00041	0.087692	0.05828	0.077114
0.089554	0.05312	-0.13264	0.00409	-0.01818	0.69523	-0.05829	0.2086	0.165351
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0.120722	0.00902	0.325145	5.83E-13	0.291484	1.34E-10	0.263411	7.49E-09	0.067372
0.129023	0.00523	-0.06158	0.184	0.018064	0.69702	-0.02224	0.63162	0.121686
-0.10045	0.02998	0.084788	0.06715	-0.04778	0.30281	0.066686	0.15019	0.010978
-0.00315	0.94587	0.113244	0.01434	0.282574	5.06E-10	0.121114	0.00879	0.264299
0.014567	0.75354	-0.19581	2.03E-05	-0.13204	0.00426	-0.22785	6.48E-07	0.017534
-0.0005	0.99148	0.133841	0.00376	0.057431	0.21542	0.107236	0.02046	0.109055
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0.01571	0.73491	0.113573	0.01406	0.062825	0.1753	0.119784	0.00957	0.14458
0.063111	0.17334	0.00027	0.99535	0.034109	0.46213	-0.01971	0.67098	-0.01852
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0.047787	0.30277	-0.13141	0.00445	-0.10725	0.02045	-0.0748	0.10645	0.054062
0.046894	0.31191	-0.02582	0.57786	0.016611	0.72033	-0.0959	0.03831	-0.19346
0.072689	0.11672	0.142231	0.00206	0.120259	0.00929	0.086604	0.06148	0.126802
0.243619	9.76E-08	-0.04868	0.29379	0.000827	0.98578	0.046048	0.32072	0.148532
0.003653	0.93725	0.019887	0.66818	-0.08882	0.05511	-0.02918	0.52928	-0.19311
0.006289	0.89218	0.014821	0.74939	0.061351	0.18567	0.001363	0.97656	0.0845
0.039801	0.39082	-0.09036	0.051	-0.14106	0.00225	-0.03157	0.49615	0.101368
0.079555	0.08592	-0.0305	0.51086	0.026511	0.56768	-0.04659	0.31506	-0.02105
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-0.00453	0.92225	-0.05407	0.24351	-0.01047	0.82148	0.011179	0.8096	0.035724
0.086967	0.0604	-0.12539	0.00667	-0.07248	0.11777	-0.1161	0.01205	-0.03426
0.070868	0.12619	-0.06154	0.18434	-0.03608	0.43668	-0.01177	0.79978	0.034839
0.054956	0.23589	-0.11577	0.01229	-0.00695	0.88089	-0.1517	0.00101	0.062432
0.075171	0.10472	0.099195	0.0321	0.174309	0.00015	-0.00484	0.91691	0.057325
-0.06987	0.13164	-0.05728	0.21665	-0.11209	0.01537	-0.03032	0.51338	0.041391
-0.06005	0.19521	-0.06716	0.14733	-0.1016	0.02813	-0.05255	0.25706	-0.02571
0.195247	2.15E-05	0.025764	0.57864	0.211294	4.11E-06	0.051843	0.26353	0.199312
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-0.00617	0.89422	0.049787	0.28296	0.044893	0.33303	0.072781	0.11626	0.140356
0.038042	0.41211	-0.1106	0.01681	-0.01879	0.68545	-0.10214	0.0273	0.122683
-0.03915	0.39857	0.068138	0.14149	-0.09467	0.04085	0.095435	0.03925	-0.17158
-0.0206	0.65707	-0.02226	0.63131	-0.1733	0.00017	-0.05559	0.23052	0.103785
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0.069152	0.13565	0.330665	2.24E-13	0.118927	0.0101	0.229416	5.40E-07	0.041962
-0.02368	0.60981	0.02935	0.52694	0.079849	0.08476	0.003947	0.9322	0.119131
0.003565	0.93875	-0.11082	0.01659	0.003298	0.94333	-0.1411	0.00224	-0.0296
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0.048838	0.29226	-0.06419	0.1661	0.044959	0.33232	-0.06699	0.14833	0.174282
-0.02283	0.62259	-0.13487	0.0035	-0.19305	2.67E-05	-0.02373	0.60897	0.104957
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-0.02557	0.58148	0.055776	0.22896	-0.10458	0.02381	0.08291	0.07346	-0.09986
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0.029181	0.52932	-0.02344	0.61331	-0.02573	0.57917	-0.08734	0.05931	-0.19566
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0.072466	0.11785	0.164598	0.00035	0.092257	0.0463	0.232612	3.71E-07	0.284222
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0.031601	0.49571	0.012755	0.78339	-0.01897	0.6827	0.134115	0.00369	0.200667
-0.03613	0.43605	0.024229	0.60149	0.006524	0.88818	0.038221	0.40991	0.009876
-0.02441	0.59877	-0.08292	0.07341	-0.1191	0.01	-0.07196	0.12042	-0.0228
-0.01069	0.81782	-0.00715	0.87754	0.051718	0.26468	0.000709	0.98782	0.018186
-0.07094	0.1258	-0.13406	0.0037	-0.12532	0.00669	-0.00563	0.90336	0.279221
0.103561	0.02522	0.251791	3.47E-08	0.162074	0.00044	0.326041	5.00E-13	0.06853
0.067346	0.1462	0.144541	0.00174	0.107033	0.0207	0.296975	5.80E-11	0.164562
-0.00534	0.90841	0.026316	0.57053	0.107979	0.0196	0.143109	0.00193	0.225163
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0.019734	0.67058	-0.0087	0.85122	0.07685	0.09717	0.044056	0.34213	0.122484
-0.02576	0.57874	-0.15141	0.00103	-0.15793	0.00061	-0.12626	0.00629	-0.06418
-0.02601	0.57498	0.067315	0.14638	-0.00197	0.96614	0.124495	0.00707	-0.00846
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0.009047	0.8454	0.100417	0.03003	0.033937	0.4644	0.076537	0.09854	-0.02399
-0.06852	0.13929	0.078405	0.09057	0.060356	0.19292	0.092551	0.04561	0.006714
-0.14012	0.00241	0.043594	0.34721	-0.02813	0.54421	0.033122	0.4752	-0.0102
-0.11266	0.01486	-0.05448	0.23998	-0.13288	0.00402	-0.03652	0.43112	-0.02937
0.027945	0.54691	0.109947	0.01746	0.038883	0.40185	0.117571	0.011	0.006792
0.040795	0.37908	0.012359	0.78994	0.051595	0.26583	0.027213	0.55747	0.011063
0.165935	0.00032	0.200734	1.24E-05	0.079551	0.08594	0.180515	8.75E-05	0.056997
0.159109	0.00056	0.227838	6.49E-07	0.171692	0.00019	0.20419	8.68E-06	0.208093
0.130282	0.0048	0.196995	1.80E-05	0.204169	8.70E-06	0.202385	1.05E-05	0.256518
-0.10146	0.02836	0.020888	0.65254	-0.08261	0.07452	-0.02741	0.55464	-0.21712
-0.02601	0.57501	0.130396	0.00477	0.035402	0.44532	0.066756	0.14977	-0.04219
0.019154	0.67971	-0.05303	0.25274	0.05887	0.20413	-0.02732	0.55585	0.178903
0.080967	0.08048	0.093528	0.04337	0.06365	0.16969	0.07905	0.08794	0.054273
-0.04592	0.32211	-0.15825	0.0006	-0.14784	0.00136	-0.14516	0.00166	-0.20367
-0.00288	0.95046	-0.13014	0.00485	-0.01348	0.77143	-0.03402	0.46331	0.268952
0.059971	0.19578	0.035456	0.44464	0.160727	0.00049	0.066938	0.14866	0.168805
-0.14277	0.00198	-0.09975	0.03114	-0.16767	0.00027	-0.14545	0.00162	-0.06808
-0.06526	0.1591	0.003762	0.93538	0.079771	0.08507	-0.11026	0.01714	0.00853
-0.0035	0.93981	-0.03924	0.39756	-0.06904	0.13631	-0.10851	0.01899	-0.02655
0.038875	0.40194	0.005708	0.90208	-0.00749	0.87177	0.001238	0.97871	-0.05014

-0.03281	0.47943	-0.03782	0.41484	-0.01319	0.77618	-0.07786	0.09283	-0.09538
0.08102	0.08028	0.014558	0.7537	-0.08746	0.05894	0.064786	0.16219	0.091159
-0.08271	0.07417	-0.02122	0.64738	-0.11261	0.0149	0.058113	0.21001	0.147932
-0.03519	0.44802	-0.02885	0.53399	-0.01153	0.80377	-0.0484	0.29659	0.133844
0.011652	0.8017	-0.05104	0.27104	0.108898	0.01857	-0.00424	0.92725	-0.00899
-0.03904	0.39991	0.032816	0.47928	-0.06814	0.1415	0.015046	0.74571	-0.1668
0.034452	0.45764	0.009085	0.84476	0.10951	0.01792	0.050991	0.27147	0.13494
-0.01745	0.70682	0.009175	0.84324	-0.01934	0.67674	0.028704	0.53607	-0.05081
0.023916	0.60618	0.018232	0.69433	0.046713	0.31378	0.009798	0.83275	0.123387
-0.0407	0.38022	0.013049	0.77852	0.058243	0.20899	2.54E-05	0.99956	0.035645
-0.11631	0.01189	0.076	0.10093	0.142171	0.00207	0.151505	0.00102	0.217519
0.044192	0.34064	0.047524	0.30545	0.128941	0.00526	0.049022	0.29044	0.121417
0.008683	0.85156	0.172657	0.00018	0.013197	0.77607	0.098181	0.03391	-0.11705
-0.10281	0.02631	0.077992	0.09229	0.072835	0.11599	0.085189	0.06586	0.115147
-0.07912	0.08766	-0.21347	3.25E-06	-0.14526	0.00165	-0.12792	0.00564	0.092548
0.054193	0.24247	-0.023	0.62011	0.053666	0.24708	-0.04953	0.28545	0.022591
-0.00022	0.9962	0.110647	0.01675	0.097052	0.03602	0.158022	0.00061	0.174153
-0.02922	0.52881	0.079382	0.08661	0.064798	0.16211	0.029476	0.52515	-0.19254
-0.08897	0.05469	-0.14221	0.00207	-0.04792	0.30144	-0.22533	8.66E-07	0.022498
0.034536	0.45654	-0.03224	0.48698	-0.03285	0.47889	-0.00925	0.84194	0.041395
0.053076	0.25233	0.07686	0.09712	0.005563	0.90456	-0.03222	0.4873	-0.04429
0.18056	8.72E-05	0.210485	4.48E-06	0.22311	1.12E-06	0.108158	0.01939	0.11934
-0.06528	0.15898	-0.06615	0.1535	-0.17467	0.00015	-0.06867	0.13841	-0.13878
0.143233	0.00192	-0.01223	0.79217	-0.00268	0.95388	0.023709	0.60931	0.090897
-0.00895	0.84704	-0.19856	1.54E-05	-0.14511	0.00167	-0.19977	1.36E-05	0.015648
0.035274	0.44697	-0.05562	0.23026	-0.00373	0.93589	-0.09583	0.03845	0.125727
0.047525	0.30543	-0.08211	0.0763	-0.06476	0.16237	-0.12439	0.00711	-0.05522
-0.0048	0.91757	0.075676	0.1024	-0.04617	0.3194	0.018845	0.6846	-0.0291
0.098652	0.03306	-0.04786	0.30202	0.008057	0.86213	-0.02149	0.64326	0.13853
0.191986	2.96E-05	0.109126	0.01833	0.141101	0.00224	0.10578	0.02224	0.098572
-0.07846	0.09036	-0.07116	0.12463	-0.06634	0.15236	-0.14762	0.00138	0.044711
-0.01495	0.74736	-0.0849	0.06678	-0.08734	0.05931	-0.07365	0.11195	-0.09104
-0.04005	0.38781	-0.08507	0.06625	-0.05932	0.20069	-0.09324	0.04402	0.11513
-0.03005	0.51717	0.079616	0.08568	-0.05971	0.19776	0.110172	0.01723	0.028198
0.09071	0.05011	-0.04823	0.29828	0.119268	0.00989	0.008801	0.84956	0.021027
0.060359	0.1929	-0.05532	0.23277	-0.02471	0.59422	-0.0026	0.95531	0.118477
-0.02933	0.52716	0.058685	0.20556	-0.0779	0.09268	0.111445	0.01598	0.23659
0.028746	0.53547	-0.06327	0.17228	-0.00655	0.88774	-0.10049	0.02991	0.092733
0.017714	0.70261	-0.01516	0.74379	-0.0035	0.93979	-0.0564	0.22379	0.005419
-0.02522	0.58673	-0.00478	0.91795	-0.11895	0.01009	0.030564	0.50998	0.107055
0.017063	0.71305	-0.0752	0.10457	-0.03636	0.43306	0.025219	0.5867	0.277904
0.131396	0.00445	0.042611	0.35821	0.186614	4.96E-05	0.08919	0.05409	0.105823
0.039126	0.39891	-0.0345	0.45695	-0.04896	0.29104	-0.07206	0.11991	-0.06608
0.078114	0.09177	0.060626	0.19093	0.078738	0.0892	0.003996	0.93137	-0.01866
-0.06098	0.18836	0.040635	0.38096	0.023045	0.61937	0.165429	0.00033	0.238801

-0.00185	0.96819	-0.02359	0.6111	-0.04342	0.34917	0.057902	0.21168	0.189215
0.001163	0.98	0.105659	0.0224	0.079248	0.08714	0.102312	0.02705	-0.06997
0.135349	0.00338	0.023359	0.61461	-0.12947	0.00508	0.050551	0.27563	-0.07201
-0.07829	0.09105	0.193729	2.49E-05	0.028297	0.54186	0.144621	0.00173	0.015419
0.038264	0.40938	0.005045	0.91341	-0.00095	0.98374	-0.12806	0.00558	-0.08492
-0.02417	0.60236	-0.04881	0.29254	-0.07707	0.09621	-0.02347	0.61294	0.073971
0.003792	0.93486	-0.02364	0.61028	-0.06697	0.14848	-0.02362	0.61065	-0.08174
0.002488	0.95724	0.108919	0.01855	0.062137	0.18009	0.169475	0.00023	0.134159
0.016068	0.72909	0.008761	0.85023	-0.04922	0.2885	0.089445	0.05341	0.101225
0.069794	0.13205	0.100545	0.02982	0.10575	0.02228	0.226375	7.69E-07	0.22515
0.075735	0.10213	-0.01032	0.82395	-0.02433	0.59996	-0.01645	0.72285	-0.0322
0.00048	0.99174	0.033572	0.46921	0.031354	0.49909	0.115701	0.01235	0.193339
-0.06192	0.1816	-0.121	0.00886	-0.2063	6.97E-06	-0.07212	0.1196	-0.09734
-0.16799	0.00027	-0.1783	0.00011	-0.34926	7.63E-15	-0.2507	4.00E-08	-0.10268
-0.03011	0.51628	-0.04526	0.32907	-0.04989	0.28193	-0.10956	0.01786	-0.10611
-0.04691	0.31175	-0.05043	0.27678	-0.17086	0.00021	-0.17136	0.0002	-0.18327
0.056142	0.22592	0.03644	0.43209	0.051447	0.2672	0.031614	0.49553	0.011339
0.035121	0.44894	0.042801	0.35607	0.066416	0.15186	0.066238	0.15296	0.109902
0.008806	0.84947	0.00191	0.96716	-0.03669	0.42898	-0.01416	0.76021	-0.06276
0.084833	0.067	0.054053	0.24369	-0.00353	0.93928	-0.0007	0.9879	-0.04634
-0.00455	0.92192	0.073958	0.11045	0.016888	0.71587	0.003304	0.94323	-0.06038
0.034736	0.45393	0.081237	0.07948	0.01655	0.72131	0.021985	0.63558	-0.08214
0.069011	0.13646	0.017276	0.70962	-0.01079	0.81615	-0.01975	0.67035	-0.09244
0.001089	0.98128	0.002609	0.95516	-0.0112	0.80918	-0.01743	0.7072	-0.03904
-0.01322	0.77577	0.011802	0.79921	0.016625	0.7201	-0.00207	0.96446	-0.02972
0.036572	0.43042	-0.19974	1.37E-05	-0.08152	0.07843	-0.27486	1.54E-09	-0.09566
-0.08384	0.07028	-0.10917	0.01828	-0.1447	0.00172	-0.20468	8.25E-06	-0.24823
0.126077	0.00637	0.087557	0.05867	0.035515	0.44388	0.101358	0.02851	-0.03834
-0.00081	0.98603	-0.08746	0.05896	0.049379	0.28693	-0.09072	0.05008	0.146873
-0.03681	0.42744	0.059228	0.20138	0.130754	0.00465	0.13935	0.00254	0.240799
-0.01721	0.71062	0.005924	0.89841	0.020717	0.6552	0.047846	0.30217	0.131292
0.24519	8.03E-08	0.116135	0.01202	0.111632	0.0158	0.152056	0.00098	0.103692
-0.01054	0.82025	-0.0151	0.74491	-0.10303	0.02599	-0.08938	0.05358	-0.17603
-0.02564	0.58055	-0.0444	0.33838	-0.04311	0.35255	-0.08123	0.07951	-0.16968
-0.08533	0.06542	0.013014	0.77911	-0.08901	0.05457	-0.02872	0.53584	0.017495
-0.06243	0.17804	0.08663	0.0614	-0.07936	0.08668	0.080551	0.08205	-0.2267
-0.06308	0.17358	-0.03962	0.39292	0.119305	0.00987	0.006213	0.89347	0.122969
0.029431	0.5258	-0.11152	0.01591	-0.16923	0.00024	-0.13233	0.00418	-0.1009
0.114518	0.01328	0.105143	0.02306	0.125942	0.00643	0.110708	0.01669	0.001363
-0.02288	0.62186	0.005796	0.90059	-0.0086	0.85294	0.056178	0.22562	0.079458
0.086265	0.06251	0.159213	0.00055	0.136811	0.00305	0.220831	1.44E-06	0.016542
0.078851	0.08874	0.047938	0.30125	0.062956	0.1744	0.103686	0.02505	0.131427
0.132571	0.00411	-0.02142	0.6443	0.019762	0.67014	0.001727	0.9703	0.14338
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-0.04482	0.33382	0.187901	4.39E-05	0.104743	0.02359	0.159671	0.00053	0.013247

0.035207	0.44783	0.100122	0.03052	0.070134	0.13018	0.045306	0.32859	0.00642
0.072142	0.11951	-0.10285	0.02624	-0.06839	0.14	-0.10596	0.02201	0.061512
0.063784	0.16879	0.070148	0.1301	0.009933	0.83049	0.023546	0.61178	-0.03788
0.025529	0.58211	-0.04086	0.37836	-0.07236	0.11837	-0.05074	0.27383	0.022326
0.067676	0.14422	0.040327	0.38457	0.02134	0.64554	0.029345	0.52701	0.093538
0.105828	0.02218	-0.03623	0.43469	0.056386	0.2239	-0.05527	0.23323	-0.01694
0.065783	0.15581	-0.02687	0.56249	-0.00649	0.8887	-0.02755	0.55259	-0.0306
0.037065	0.42423	0.004379	0.92481	-0.01796	0.69862	0.012719	0.78398	-0.11088
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0.058388	0.20786	0.02965	0.52272	-0.02153	0.64261	0.024503	0.59738	-0.11086
0.032122	0.48864	0.118407	0.01044	0.043085	0.35289	0.129013	0.00523	-0.03515
-0.00557	0.9044	-0.01484	0.74905	-0.10944	0.01799	-0.00526	0.90966	0.048072
0.061768	0.18269	0.013185	0.77627	0.094724	0.04074	-0.01499	0.74661	0.197784
0.068373	0.14012	-0.03283	0.47912	-0.06473	0.16258	-0.05382	0.24574	0.054227
0.160494	0.0005	0.154451	0.00081	0.119359	0.00983	0.135037	0.00346	0.085195
0.150425	0.00111	0.177063	0.00012	0.136311	0.00316	0.137974	0.00281	0.014486
0.003766	0.9353	0.145385	0.00163	0.07629	0.09964	0.094627	0.04095	-0.10561
0.061562	0.18416	-0.06353	0.17049	-0.05163	0.26549	-0.07428	0.10892	-0.00305
-0.04092	0.37763	-0.20391	8.94E-06	-0.05707	0.21834	-0.1817	7.85E-05	0.037981
0.118675	0.01026	0.029735	0.52153	0.013548	0.77028	0.027429	0.55434	0.082508
0.026242	0.57162	0.01528	0.7419	0.100554	0.0298	0.070584	0.12772	0.097435
-0.00879	0.84972	-0.15312	0.0009	-0.13189	0.0043	-0.10366	0.02508	0.153311
0.074094	0.1098	-0.05056	0.27551	-0.03898	0.4007	-0.06274	0.17589	-0.00764
0.086176	0.06278	0.066815	0.14941	0.093823	0.04271	0.071009	0.12544	0.108168
0.116367	0.01185	0.038785	0.40303	0.135952	0.00324	-0.02533	0.58503	0.030031
0.021281	0.64645	-0.14494	0.00169	-0.10276	0.02638	-0.06153	0.18439	0.178857
-0.03377	0.46659	0.07583	0.1017	-0.121	0.00886	0.065116	0.16005	-0.02659
0.061557	0.18419	0.129082	0.00521	0.096347	0.0374	0.136241	0.00318	0.186348
0.099867	0.03095	0.070995	0.12551	0.016633	0.71996	-0.01666	0.7195	-0.02012
0.028793	0.5348	-0.09787	0.03447	-0.06027	0.19356	-0.03873	0.4037	0.173322
0.074021	0.11015	0.10242	0.02688	0.119223	0.00992	0.059625	0.19838	0.020395
-0.07902	0.08807	-0.09396	0.04239	-0.09903	0.03239	-0.09324	0.04403	0.112951
0.008298	0.85806	0.011141	0.81024	-0.09466	0.04088	-0.04556	0.3259	-0.1601
0.054062	0.24361	0.169137	0.00024	0.130495	0.00473	0.160525	0.0005	-0.04202
-0.01353	0.77056	-0.02545	0.58324	-0.08362	0.07101	-0.06663	0.15055	-0.05975
-0.07029	0.12932	0.067632	0.14448	-0.04571	0.32425	0.096223	0.03765	-0.03907
0.049314	0.28757	-0.03049	0.51094	0.011777	0.79962	-0.06972	0.13244	-0.13949
-0.01757	0.70496	-0.20599	7.20E-06	-0.07696	0.0967	-0.16619	0.00031	0.007467
-0.08297	0.07324	-0.13682	0.00305	-0.27814	9.62E-10	-0.06473	0.16254	-0.1405
0.08297	0.07325	-0.01118	0.80961	0.032929	0.47777	-0.03309	0.47565	0.123169
0.057953	0.21127	0.046944	0.31139	0.055346	0.23258	0.080385	0.08269	0.121371
-0.03953	0.39402	0.032399	0.48489	0.083755	0.07056	-0.00763	0.86941	0.084607
-0.06652	0.15124	-0.03999	0.38856	-0.22082	1.44E-06	-0.1188	0.01019	-0.16155
-0.01296	0.78001	-0.10409	0.02448	-0.08652	0.06173	-0.07774	0.09332	0.125431

-0.03134	0.49933	-0.12227	0.00816	-0.07817	0.09153	-0.0854	0.06521	0.150762
-0.12264	0.00797	-0.1723	0.00018	-0.08748	0.0589	-0.17037	0.00022	-0.02397
-0.00015	0.99738	-0.02915	0.52971	0.06712	0.14756	-0.0869	0.06059	-0.05515
0.093568	0.04328	-0.02002	0.6661	-0.03823	0.40976	-0.02822	0.54299	0.016714
-0.08152	0.07842	-0.12791	0.00564	-0.14814	0.00132	-0.09269	0.04528	0.061086
0.086637	0.06138	0.138976	0.00261	0.263503	7.40E-09	0.148599	0.00128	0.318527
-0.08192	0.07698	-0.08129	0.07928	-0.26295	7.98E-09	-0.0521	0.2612	-0.13242
0.037832	0.4147	0.089482	0.05331	0.117989	0.01072	0.129003	0.00524	0.059073
0.013528	0.77061	-0.07724	0.09548	0.020363	0.66072	-0.06235	0.17858	0.12545
0.085375	0.06527	-0.01981	0.66943	0.070254	0.12952	-0.04417	0.34092	-0.04746
-0.08223	0.07586	-0.17463	0.00015	-0.17814	0.00011	-0.07013	0.1302	-0.03612
-0.00544	0.90673	-0.06673	0.14993	-0.17517	0.00014	-0.07566	0.10245	-0.05309
0.016373	0.72416	-0.04608	0.32038	0.071567	0.12249	-0.06487	0.16162	0.139391
0.054757	0.23759	-0.04145	0.37149	-0.04365	0.34664	-0.01039	0.82282	-0.03385
0.006579	0.88725	-0.15245	0.00095	-0.04595	0.32172	-0.1706	0.00021	0.011739
-0.01542	0.73961	0.036333	0.43344	-0.01025	0.82519	0.044588	0.33633	-0.01601
0.091876	0.04722	-0.0927	0.04526	-0.00534	0.90838	0.005072	0.91295	0.139168
0.064109	0.16663	0.027103	0.55906	0.011185	0.8095	0.005569	0.90446	-0.00824
-0.03989	0.3898	0.026331	0.57031	-0.17526	0.00014	0.047561	0.30507	0.010886
-0.01544	0.73932	-0.13702	0.00301	-0.12013	0.00936	-0.10828	0.01925	-0.00708
0.038921	0.40138	0.09458	0.04105	0.160744	0.00049	0.02631	0.57062	0.02549
0.019497	0.67431	0.105159	0.02304	0.192909	2.70E-05	0.143314	0.0019	0.085863
0.031562	0.49625	0.007044	0.87932	-0.06485	0.16175	0.00975	0.83357	0.047393
0.024557	0.59658	-0.08313	0.0727	-0.08975	0.05259	-0.1061	0.02184	0.048895
0.090946	0.04951	-0.06981	0.13197	-0.02581	0.57791	-0.04062	0.38108	0.034013
-0.02038	0.66046	-0.01463	0.75247	-0.0466	0.31494	-0.02506	0.58911	0.063992
-0.01536	0.74052	0.024714	0.59423	-0.02947	0.52524	-0.06783	0.14328	-0.05887
0.004177	0.92826	0.05844	0.20746	0.010201	0.82599	-0.01622	0.72669	0.004416
-0.00996	0.83011	0.00982	0.83238	-0.0403	0.38491	-0.02919	0.52917	-0.09898
0.072392	0.11822	0.226676	7.42E-07	0.220006	1.58E-06	0.216003	2.46E-06	0.076989
-0.05569	0.2297	-0.07503	0.10537	-0.07999	0.08421	0.089642	0.05288	0.148424
0.051713	0.26473	-0.03462	0.45548	0.098468	0.03339	-0.01164	0.80193	0.209787
-0.05577	0.22898	-0.11845	0.01041	-0.00506	0.91311	-0.13855	0.00269	0.028118
-0.09598	0.03813	-0.17024	0.00022	-0.10071	0.02955	-0.18207	7.59E-05	-0.02518
0.003708	0.93631	0.156074	0.00071	0.278493	9.14E-10	0.273854	1.77E-09	0.285343
0.072508	0.11764	0.196851	1.83E-05	0.156922	0.00067	0.221256	1.38E-06	0.17887
0.049998	0.28092	0.088352	0.0564	0.184855	5.85E-05	-0.00296	0.94917	0.018674
0.040826	0.37871	-0.01811	0.69623	-0.05098	0.27156	-0.00742	0.87287	0.154526
-0.05297	0.25325	-0.08124	0.07947	-0.13521	0.00342	-0.09475	0.04068	0.011678
-0.13299	0.00399	-0.25604	2.00E-08	-0.15784	0.00062	-0.10043	0.03001	0.156805
0.038755	0.40339	-0.0252	0.58693	-0.09244	0.04587	-0.06331	0.17197	0.036817
0.077407	0.09476	0.057379	0.21584	0.064316	0.16526	0.046735	0.31355	0.010498
-0.01695	0.71481	-0.07414	0.10956	0.004958	0.91491	0.042409	0.3605	0.367216
0.049627	0.28451	-0.00973	0.83393	-0.04277	0.35643	-0.06695	0.1486	-0.08667
0.048693	0.29369	0.296455	6.29E-11	0.247227	6.21E-08	0.327179	4.11E-13	0.124148

0.045644	0.32499	0.125663	0.00655	0.133373	0.00388	0.011123	0.81053	-0.17355
0.121745	0.00845	0.122426	0.00808	0.225697	8.31E-07	0.113565	0.01407	0.055057
-0.00701	0.87989	-0.01499	0.74665	-0.16726	0.00028	-0.00491	0.9157	0.007319
-0.04469	0.33524	-0.11676	0.01157	-0.10308	0.0259	-0.08019	0.08345	0.107169
0.006701	0.88516	-0.08485	0.06696	-0.06289	0.17484	-0.10523	0.02295	0.006496
-0.0153	0.74152	-0.12522	0.00674	-0.09682	0.03648	-0.11246	0.01504	-0.03761
0.041842	0.36695	-0.00506	0.91315	-0.00554	0.90501	0.07519	0.10463	0.191001
-0.02839	0.54056	-0.07537	0.10378	-0.14793	0.00135	-0.10114	0.02886	0.015379
0.059792	0.19712	0.010943	0.81354	-0.01512	0.74449	0.021931	0.63642	-0.02437
-0.02431	0.60021	-0.11931	0.00986	-0.08858	0.05577	-0.15337	0.00088	-0.07402
-0.04512	0.33056	-0.08806	0.05722	-0.06334	0.17179	-0.08415	0.06925	0.069391
-0.00454	0.92197	0.017879	0.69997	-0.02106	0.64982	-0.00887	0.84841	-0.05438
0.021355	0.64531	0.037192	0.42264	-0.00861	0.85274	5.32E-05	0.99908	-0.09048
0.032539	0.483	-0.00612	0.89514	-0.02903	0.53147	-0.0164	0.72372	-0.01988
0.003399	0.94161	0.061828	0.18226	0.017941	0.69899	0.10085	0.02932	0.104404
-0.00428	0.92657	0.00776	0.86717	-0.0236	0.61103	0.039165	0.39843	0.095063
-4.87E-05	0.99916	0.016414	0.7235	0.042103	0.36397	-0.07031	0.12923	0.09843
0.019767	0.67006	-0.1171	0.01133	-0.08408	0.06948	-0.11387	0.01381	-0.00486
-0.01417	0.75997	-0.05768	0.2134	-0.07952	0.08607	-0.06988	0.13155	-0.02213
0.019193	0.6791	-0.05973	0.19758	-0.00587	0.89939	-0.02388	0.60672	0.032634
0.017336	0.70865	-0.03549	0.4442	-0.03227	0.48668	0.021898	0.63692	-0.08491
-0.10165	0.02806	-0.06178	0.18264	-0.17622	0.00013	-0.04834	0.29722	-0.16899
-0.0639	0.16803	-0.07805	0.09204	0.029259	0.52822	-0.05996	0.19586	0.181082
0.034238	0.46044	0.026883	0.56226	0.062686	0.17626	0.049461	0.28613	0.10141
0.126242	0.0063	0.030312	0.51347	0.024202	0.60189	0.045694	0.32446	0.038291
-0.00075	0.98705	-0.03294	0.4776	-0.05151	0.26659	-0.01797	0.69859	0.04046
0.170541	0.00021	-0.01122	0.80898	0.013824	0.76574	0.040421	0.38347	0.082706
0.086291	0.06243	0.052333	0.25904	0.094354	0.04154	0.123345	0.00762	0.248843
-0.10458	0.02381	-0.00247	0.9575	-0.07246	0.1179	0.041249	0.37379	-0.12258
-0.13507	0.00345	-0.08425	0.06889	-0.1638	0.00038	0.025974	0.57555	0.102936
-0.07631	0.09954	-0.04565	0.32488	-0.10864	0.01885	0.013211	0.77585	-0.12898
0.122615	0.00799	0.011241	0.80856	0.099921	0.03086	0.020191	0.66341	0.08293
-0.00967	0.83491	-0.08077	0.08122	-0.02804	0.54549	-0.09466	0.04088	0.003327
-0.02812	0.54446	-0.17245	0.00018	-0.12364	0.00747	-0.19005	3.57E-05	-0.00791
-0.0004	0.99308	0.11843	0.01042	0.06185	0.18211	0.034342	0.45908	-0.14448
-0.00606	0.8961	0.087855	0.05781	0.074213	0.10923	0.046484	0.31616	-0.0695
0.057116	0.21796	0.271994	2.30E-09	0.26153	9.65E-09	0.320807	1.22E-12	0.037853
-0.04787	0.30194	-0.12296	0.00781	-0.19723	1.76E-05	-0.21066	4.39E-06	-0.17675
-0.05923	0.20136	-0.01526	0.74226	-0.17213	0.00019	-0.08139	0.07891	-0.17191
0.015147	0.74407	-0.14672	0.00148	-0.09483	0.04052	-0.15155	0.00102	0.034023
-0.02746	0.55386	-0.1223	0.00815	-0.01129	0.80775	-0.0469	0.31185	0.274435
0.037929	0.4135	0.090622	0.05033	0.060692	0.19045	0.059196	0.20163	0.065493
-4.53E-05	0.99922	0.244851	8.37E-08	0.189816	3.65E-05	0.182976	6.97E-05	0.150484
-0.07839	0.09061	-0.04044	0.38326	0.017709	0.70268	-0.05098	0.27158	0.044712
0.019246	0.67826	-0.01234	0.79026	0.154932	0.00078	0.038335	0.40852	0.172673

-0.04596	0.32168	0.002208	0.96205	-0.01907	0.68098	-0.00335	0.94241	0.04596
0.054377	0.24087	0.070978	0.12561	-0.04494	0.33256	0.090094	0.05169	-0.01741
0.055973	0.22732	-0.01915	0.67979	-0.03339	0.47159	-0.02454	0.59678	-0.00689
0.000943	0.98379	-0.07994	0.0844	-0.08396	0.06986	-0.08623	0.06261	-0.004
0.211902	3.85E-06	0.064581	0.16353	0.062612	0.17677	0.094534	0.04115	-0.01247
-0.01097	0.81309	-0.06623	0.15299	-0.04793	0.30135	-0.03331	0.47275	0.122777
-0.00223	0.96158	0.004647	0.92022	-0.10756	0.02008	-0.0775	0.09438	-0.04965
0.013347	0.7736	0.106007	0.02195	0.040299	0.38491	0.027937	0.54703	-0.03429
0.00895	0.84704	-0.00083	0.98577	-0.14198	0.0021	-0.05836	0.2081	-0.10192
-0.00261	0.95522	0.05378	0.24608	-0.05468	0.23823	-0.0205	0.65865	-0.10604
-0.01059	0.81939	0.063495	0.17074	0.025364	0.58455	0.013673	0.76822	0.009116
0.001677	0.97116	-0.04325	0.35109	-0.08843	0.05618	-0.05885	0.20427	0.007019
0.01611	0.72841	0.043243	0.35112	-0.09125	0.04875	-0.01069	0.8177	-0.08556
-0.00366	0.93713	0.159107	0.00056	0.030534	0.51039	0.072479	0.11778	0.019917
0.064719	0.16262	-0.01105	0.81173	-0.14344	0.00189	-0.09861	0.03312	-0.11314
0.002414	0.95851	0.022938	0.621	-0.05497	0.23573	-0.06518	0.15963	-0.08135
0.026629	0.56595	-0.04104	0.37618	-0.0115	0.80425	-0.04306	0.35319	0.088461
-0.03239	0.48501	0.011678	0.80127	-0.11871	0.01024	-0.0516	0.26577	-0.18615
-0.04	0.3884	-0.05444	0.24032	0.017882	0.69992	-0.1487	0.00127	-0.02926
0.088391	0.05629	0.049622	0.28457	0.021488	0.64324	-0.00639	0.89052	0.044567
0.050662	0.27458	-0.07499	0.10556	-0.05137	0.26796	-0.01212	0.79392	0.107989
-0.05787	0.21196	-0.07598	0.10102	-0.07311	0.11463	-0.04663	0.31467	0.016601
0.029012	0.5317	0.049303	0.28767	0.073664	0.11188	-0.00948	0.83818	-0.03194
0.037616	0.41736	0.054708	0.23801	0.020523	0.65822	0.030008	0.5177	-0.00211
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0.03465	0.45506	-0.1449	0.00169	-0.10769	0.01993	-0.09701	0.03611	0.03989
-0.01481	0.74953	-0.12504	0.00682	-0.05572	0.22945	-0.04156	0.37019	0.15987
0.019883	0.66824	-0.04525	0.32924	-0.01181	0.79913	-0.01216	0.79325	0.074386
0.041414	0.37188	-0.06543	0.15808	-0.16498	0.00034	-0.01632	0.72506	0.053666
0.033871	0.46527	-0.10877	0.01872	-0.06792	0.14276	-0.07632	0.09948	0.112086
0.094169	0.04194	0.222906	1.14E-06	0.087693	0.05827	0.190061	3.57E-05	-0.01269
0.174496	0.00015	-0.00275	0.95266	0.033722	0.46723	0.045762	0.32374	0.090102
0.32408	7.01E-13	0.072173	0.11935	0.081332	0.07912	0.140753	0.0023	0.017788
0.349324	7.55E-15	0.039508	0.39432	0.08626	0.06252	0.070607	0.1276	0.085756
0.095657	0.03879	-0.01183	0.79874	-0.00307	0.94721	0.013122	0.77731	0.053691
0.043809	0.34485	0.047189	0.30887	0.139541	0.00251	0.028736	0.53562	-0.02524
0.011395	0.80599	-0.09612	0.03785	-0.04942	0.28656	-0.02849	0.53909	0.116287
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0.020892	0.65249	-0.18348	6.66E-05	-0.14937	0.00121	-0.21565	2.56E-06	0.061974
-0.09758	0.03502	-0.1903	3.48E-05	-0.04367	0.34639	-0.13183	0.00432	0.154847
0.050801	0.27326	0.14481	0.0017	0.233233	3.45E-07	0.072699	0.11667	0.041941
0.008626	0.85251	-0.07534	0.10393	-0.05342	0.24926	-0.07571	0.10225	-0.04861
0.059838	0.19677	-0.0094	0.83938	0.030755	0.50733	0.003089	0.94691	0.118769
-0.03293	0.47778	0.099305	0.03191	-0.05505	0.23506	0.059264	0.20111	-0.0967

0.160352	0.0005	0.006244	0.89294	0.195781	2.04E-05	0.031148	0.50192	0.313886
0.020447	0.65941	0.056307	0.22456	-0.01402	0.7625	0.083814	0.07036	0.094226
0.006494	0.88868	-0.01687	0.71617	-0.01906	0.68117	-0.08267	0.07429	-0.01504
-0.04609	0.32032	-0.10615	0.02178	-0.22778	6.53E-07	-0.05377	0.24614	0.118094
0.032614	0.482	-0.05829	0.20859	-0.0159	0.73181	-0.07549	0.10324	-0.09237
-0.00082	0.98589	-0.04401	0.34262	0.046319	0.31788	-0.02567	0.57996	0.065904
-0.06822	0.14102	0.045004	0.33183	0.008601	0.85294	0.149354	0.00121	0.210035
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-0.02765	0.55121	0.03788	0.4141	0.014064	0.76179	0.022696	0.62469	0.030619
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0.001442	0.97521	-0.11026	0.01714	-0.2131	3.38E-06	-0.1254	0.00666	-0.06725
0.023625	0.61058	-0.14224	0.00206	-0.10754	0.0201	-0.12565	0.00655	0.060843
-0.0013	0.97768	-0.06688	0.149	-0.0317	0.49431	0.008354	0.85712	0.200532
-0.01215	0.79349	-0.15938	0.00055	-0.09832	0.03365	-0.15075	0.00108	0.08204
0.006341	0.89129	0.032465	0.484	-0.11074	0.01666	-0.045	0.33183	-0.08189
0.03174	0.49383	-0.13726	0.00296	-0.02888	0.53356	-0.11407	0.01364	0.005886
0.05918	0.20175	0.139315	0.00255	0.09599	0.03812	0.083876	0.07015	0.027425
0.006323	0.8916	-0.12636	0.00625	-0.01621	0.72679	-0.1166	0.01168	-0.00605
0.003614	0.93791	0.031434	0.498	0.049082	0.28985	0.061567	0.18412	0.069265
0.033531	0.46976	-0.06267	0.1764	-0.04574	0.32393	-0.02158	0.64179	0.009823
-0.06895	0.13679	0.139726	0.00248	0.109846	0.01757	0.146829	0.00146	0.142226
-0.07253	0.11754	-0.14055	0.00233	-0.11097	0.01644	-0.09524	0.03965	-0.03705
0.057909	0.21162	0.057635	0.2138	0.118665	0.01027	0.102597	0.02662	0.195213
0.025065	0.58899	-0.08278	0.07391	-0.04685	0.31236	-0.10887	0.0186	0.184334
0.065823	0.15556	-0.03876	0.4034	0.0492	0.28868	-0.07418	0.1094	0.097279
-0.01646	0.72281	-0.164	0.00037	-0.1337	0.0038	-0.08011	0.08374	0.170623
0.004221	0.92752	-0.1303	0.0048	-0.09458	0.04105	-0.13712	0.00298	0.094298
0.016705	0.71881	-0.11982	0.00955	0.009118	0.8442	-0.13118	0.00452	0.089289
-0.03012	0.5162	-0.02123	0.6472	-0.03683	0.42721	-0.02858	0.53784	0.039979
0.055577	0.23063	-0.03191	0.49153	-0.05122	0.26931	-0.074	0.11024	-0.02039
0.034331	0.45923	0.006805	0.8834	0.078036	0.0921	0.0057	0.90222	0.001738
-0.10377	0.02492	0.02032	0.66139	-0.06087	0.18913	-0.05513	0.2344	-0.10195
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-0.18854	4.13E-05	-0.11316	0.01442	-0.09076	0.04998	-0.07707	0.0962	-0.03923
0.00143	0.97542	-0.03296	0.47737	0.003445	0.94081	-0.10561	0.02246	-0.1429
0.049712	0.28369	-0.07475	0.10669	-0.05887	0.20415	-0.09458	0.04105	-0.088
0.012562	0.78659	-0.0063	0.89202	0.101774	0.02787	0.013697	0.76783	0.1262
-0.08955	0.05311	-0.15942	0.00054	-0.05187	0.26325	-0.09003	0.05187	0.200502
0.105911	0.02208	0.066005	0.15441	0.008536	0.85403	0.054204	0.24237	0.0389
-0.01174	0.80023	-0.06099	0.18826	0.01286	0.78165	-0.05993	0.19609	-0.04876
0.047584	0.30484	0.022986	0.62027	-0.11508	0.01283	-0.01661	0.72029	-0.18456
-0.05819	0.20944	0.067651	0.14437	-0.00401	0.9312	0.01246	0.78827	-0.13315
0.01026	0.82499	-0.03786	0.41432	-0.0725	0.11767	-0.04559	0.3256	-0.09937
-0.00402	0.93094	-0.0467	0.31389	-0.09546	0.03919	-0.09943	0.0317	-0.16392
0.012384	0.78953	-0.12836	0.00547	-0.09881	0.03277	-0.05905	0.20278	0.162675



-0.06846	0.13962	-0.19506	2.19E-05	-0.23419	3.08E-07	-0.08712	0.05995	0.028697
0.037776	0.41538	0.029348	0.52696	0.073035	0.11499	0.026011	0.575	0.093439
-0.0229	0.62163	-0.13175	0.00435	-0.06799	0.14238	-0.04295	0.35441	0.192745
-0.03691	0.4262	0.025111	0.58831	0.025065	0.58899	0.047078	0.31001	0.003879
0.063575	0.1702	0.03238	0.48514	-0.09105	0.04925	-0.01188	0.79798	-0.13352
-0.0286	0.53748	-0.07133	0.12375	-0.11286	0.01468	0.028223	0.54293	0.052626
0.001983	0.96592	-0.01881	0.68508	0.019135	0.68002	-0.02908	0.53076	0.134933
0.001648	0.97167	-0.03331	0.47266	0.019445	0.67513	-0.05385	0.24543	-0.02968
0.0434	0.34937	0.00684	0.8828	-0.03428	0.45986	0.004287	0.92639	-0.02726
0.011378	0.80627	0.009894	0.83114	0.002783	0.95217	0.044811	0.33391	0.060966
0.027097	0.55915	-0.01026	0.82493	0.003918	0.93271	0.007153	0.87747	0.07758
0.329963	2.53E-13	0.199009	1.47E-05	0.208372	5.60E-06	0.161281	0.00047	0.014491
0.167189	0.00028	0.044846	0.33354	0.117399	0.01112	0.050076	0.28017	0.100174
-0.03082	0.50638	0.095807	0.03849	-0.03264	0.48162	-0.00254	0.9563	-0.22401
0.043942	0.34338	0.013545	0.77033	0.036514	0.43115	0.069263	0.13502	0.02755
0.018319	0.69296	0.120473	0.00916	0.034364	0.45878	0.14251	0.00202	0.064214
0.04364	0.34671	0.017463	0.70662	-0.03018	0.51526	-0.03986	0.39006	-0.02418
0.017714	0.70261	0.009267	0.8417	0.034699	0.45442	-0.01279	0.78277	0.129311
-0.06226	0.17919	-0.15959	0.00054	-0.13039	0.00477	-0.21162	3.97E-06	0.029459
0.058984	0.20325	0.056083	0.2264	0.094685	0.04083	0.162363	0.00043	0.163334
0.075064	0.10521	0.035843	0.43967	0.066778	0.14964	0.019796	0.6696	0.028605
0.02136	0.64523	-0.04557	0.32583	0.018343	0.69257	-0.04607	0.32047	0.078758
0.000294	0.99495	-0.00948	0.83808	-0.03751	0.41865	-0.05963	0.19831	-0.06089
0.022519	0.6274	-0.062	0.18105	-0.0374	0.42003	-0.0522	0.26023	-0.072
0.063257	0.17235	-0.04305	0.35326	-0.03367	0.46798	-0.02453	0.59692	-0.03954
0.098953	0.03252	0.089039	0.0545	0.073861	0.11092	0.111376	0.01604	0.011629
0.007746	0.86741	-0.02259	0.62638	0.055659	0.22994	-0.00259	0.9555	0.005284
0.069704	0.13255	-0.05746	0.21519	-0.00405	0.93044	-0.00825	0.85886	0.174899
0.057965	0.21118	-0.07059	0.12769	0.032165	0.48805	-0.07879	0.08899	0.021175
0.036434	0.43217	-0.0634	0.17138	-0.01436	0.75693	-0.10362	0.02514	-0.07469
-0.00129	0.97774	-0.08108	0.08007	-0.03708	0.42405	-0.06157	0.18411	0.048261
0.048834	0.29229	-0.0478	0.30265	0.013674	0.76821	-0.0627	0.17619	0.033388
-0.0208	0.65396	-0.01277	0.78318	-0.02741	0.55459	0.004468	0.92328	-0.00309
0.040077	0.38754	0.102163	0.02727	0.043683	0.34623	0.026981	0.56084	0.048943
0.06117	0.18697	0.106606	0.02121	0.066945	0.14861	0.00908	0.84484	-0.01404
0.039572	0.39355	0.004156	0.92862	0.090312	0.05113	-0.00403	0.93072	0.032101
0.067948	0.14261	-0.02244	0.6286	0.031435	0.49798	-0.0316	0.49573	0.00532
0.052387	0.25855	0.040799	0.37904	0.032659	0.4814	0.007002	0.88004	0.12203
0.0647	0.16275	0.01068	0.81795	-0.00068	0.98837	0.044655	0.3356	0.018116
0.038212	0.41002	-0.08372	0.07068	-0.03344	0.47098	-0.07686	0.09714	-0.02885
-0.00949	0.83791	-0.07265	0.11692	-0.08239	0.07528	-0.0758	0.10183	-0.01275
0.021413	0.64441	-0.06443	0.16452	-0.00578	0.90087	-0.00037	0.99357	0.046551
0.020385	0.66038	-0.07941	0.08649	-0.06297	0.17428	-0.04283	0.35579	0.078587
0.092874	0.04486	-0.00873	0.85068	0.043284	0.35067	0.003222	0.94463	0.067203
0.060053	0.19516	-0.03392	0.4646	-0.02978	0.52092	-0.03793	0.41344	0.051154

0.04404	0.3423	0.047616	0.30451	-0.0046	0.92097	-0.00028	0.9952	-0.05204
0.121146	0.00878	0.245184	8.03E-08	0.230104	4.99E-07	0.161116	0.00047	0.118577
-0.00257	0.95575	-0.03347	0.4706	-0.041	0.37674	-0.0053	0.9091	-0.05893
-0.01207	0.79471	-0.05521	0.23371	-0.0471	0.30978	-0.05195	0.26251	0.077503
0.071518	0.12274	-0.02527	0.58591	0.072745	0.11644	0.004781	0.91792	0.030586
0.023225	0.61664	-0.04016	0.38655	-0.01416	0.76015	-0.04548	0.32672	0.038326
0.110391	0.01701	-0.04152	0.3706	-0.01243	0.78873	-0.02678	0.56382	0.04108
0.01405	0.76202	0.004924	0.91548	0.016559	0.72116	0.005167	0.91133	0.009127
0.070788	0.12662	-0.06458	0.16355	0.031769	0.49343	-0.01499	0.74665	0.180985
0.037032	0.42464	-0.04471	0.33502	0.048591	0.2947	-0.0391	0.39928	6.57E-05
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0.101296	0.02861	-0.03104	0.50342	0.016092	0.7287	-0.0085	0.85466	0.021411
0.013392	0.77286	-0.02404	0.60439	-0.03979	0.39091	-0.00614	0.8947	0.03036
0.043636	0.34676	-0.06808	0.14186	0.0062	0.8937	-0.02121	0.6476	0.051146
0.05335	0.24989	-0.00665	0.88607	-0.01454	0.75393	-0.06972	0.13246	-0.08082
0.073173	0.1143	-0.04615	0.31964	-0.06091	0.18884	-0.08488	0.06686	-0.0858
0.04486	0.33339	0.018243	0.69416	0.001493	0.97433	0.007384	0.87356	5.01E-05
-0.0182	0.6949	-0.08425	0.06889	-0.07418	0.10939	-0.07941	0.08651	0.010379
0.089802	0.05246	-0.07107	0.12513	-0.04987	0.28217	-0.08143	0.07877	-0.06239
-0.04544	0.3272	-0.02679	0.56361	-0.04256	0.35883	0.04438	0.33859	0.057285
-0.00858	0.85322	-0.05419	0.2425	-0.11449	0.0133	-0.11338	0.01423	-0.00756
0.195227	2.15E-05	0.047906	0.30156	0.0553	0.23296	0.098188	0.0339	-0.08017
0.15577	0.00073	0.038217	0.40996	0.021582	0.6418	0.046456	0.31645	-0.13785
-0.00887	0.84836	-0.02716	0.55822	-0.05574	0.22923	-0.02876	0.53521	0.110099
-0.07076	0.12676	-0.2015	1.15E-05	-0.1622	0.00043	-0.16951	0.00023	0.090782
-0.00926	0.84178	-0.03632	0.43361	0.061391	0.18538	0.031339	0.4993	0.267929
0.041554	0.37027	0.110994	0.01641	-0.03176	0.49359	0.068368	0.14016	-0.07081
-0.0661	0.15379	0.09533	0.03947	-0.10948	0.01795	0.028299	0.54185	-0.12206
0.040108	0.38717	0.125918	0.00644	0.037549	0.4182	0.166789	0.00029	-0.11468
0.011436	0.8053	0.226352	7.71E-07	0.196896	1.82E-05	0.150791	0.00108	-0.0536
0.048666	0.29396	-0.06706	0.14793	0.000884	0.9848	-0.06488	0.16156	0.080224
0.045483	0.32671	-0.06433	0.16516	-0.07554	0.10301	-0.03783	0.41471	-0.07569
0.024575	0.59631	0.097431	0.0353	0.095833	0.03843	0.139317	0.00255	0.219327
0.008109	0.86125	-0.10283	0.02628	-0.08735	0.05926	-0.09011	0.05164	0.034906
-0.03215	0.48828	-0.0377	0.41635	-0.03047	0.51128	-0.07199	0.12031	-0.024
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-0.05679	0.22063	-0.11259	0.01492	-0.14254	0.00202	-0.13157	0.0044	0.022657
0.062669	0.17638	-0.0222	0.63223	-0.03961	0.39305	-0.03981	0.39065	0.032683
-0.04243	0.36025	0.028943	0.53268	0.00166	0.97147	0.142122	0.00208	0.13555
0.035342	0.44609	-0.04873	0.29335	-0.07359	0.11222	-0.05252	0.25733	0.013733
0.089477	0.05332	-0.06244	0.178	-0.00321	0.94493	-0.07172	0.12168	0.093011
0.068296	0.14058	0.169429	0.00023	0.044113	0.3415	0.110887	0.01652	0.018343
-0.01391	0.76438	0.12843	0.00544	-0.01768	0.70313	0.111232	0.01618	-0.05354
0.053301	0.25032	0.03291	0.47802	-0.01547	0.73876	0.043627	0.34686	0.097347
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0.410899	1.89E-20	0.123301	0.00764	0.093796	0.04277	0.118063	0.01067	0.006202
0.007701	0.86818	-0.01381	0.76601	0.011381	0.80622	-0.04989	0.28197	-0.04462
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-0.05385	0.24547	0.030068	0.51687	-0.0985	0.03334	0.054227	0.24217	-0.05959
-0.13648	0.00312	-0.12753	0.00578	-0.29801	4.94E-11	-0.08065	0.08167	-0.13962
-0.10607	0.02188	-0.04884	0.29219	-0.01592	0.7315	-0.02039	0.66025	-0.0518
-0.11068	0.01672	-0.14629	0.00152	-0.19839	1.57E-05	-0.16496	0.00034	-0.07071
0.037373	0.42038	-0.00576	0.90113	-0.08066	0.08164	0.004478	0.92311	0.195215
0.070221	0.1297	-0.02247	0.62812	0.031872	0.49203	-0.04725	0.30819	0.124991
0.088038	0.05729	-0.03258	0.48243	0.033038	0.47631	0.005076	0.91288	0.091072
-0.03901	0.40028	-0.08244	0.07511	-0.05043	0.27674	-0.12529	0.00671	-0.07738
-0.00373	0.93597	-0.09589	0.03831	-0.02172	0.63961	-0.10706	0.02067	0.129586
0.057927	0.21148	0.076107	0.10045	0.074757	0.10665	0.056568	0.22241	0.071405
0.003505	0.93978	0.056172	0.22567	-0.00421	0.92766	0.096306	0.03748	0.058036
0.06897	0.13669	0.082398	0.07526	0.137304	0.00295	0.084323	0.06867	-0.05002
-0.16835	0.00026	-0.15709	0.00066	-0.29491	7.97E-11	-0.09236	0.04606	-0.08119
-0.04558	0.32569	0.026803	0.56342	-0.00035	0.99397	0.02375	0.60869	0.013726
0.049542	0.28534	0.033474	0.47052	0.069104	0.13593	0.107301	0.02038	0.209209
0.013114	0.77744	-0.04091	0.37768	-0.00826	0.85865	0.012976	0.77973	0.185426
-0.01764	0.70374	0.031637	0.49522	0.004338	0.92551	0.008823	0.84919	0.016815
-0.09773	0.03474	0.001552	0.97332	-0.18541	5.55E-05	0.093356	0.04375	0.058028
0.069189	0.13545	-0.01569	0.73527	0.00443	0.92393	-0.00073	0.98745	0.068664
0.031653	0.49501	-0.03001	0.51766	0.050784	0.27342	0.074314	0.10874	0.179324
0.26696	4.62E-09	0.04308	0.35294	0.143622	0.00186	0.121778	0.00843	0.14312
0.062052	0.18068	-0.02324	0.61643	0.036662	0.42928	-0.04545	0.32704	0.025288
0.034925	0.45149	-0.01416	0.76026	-0.02707	0.5596	0.022378	0.62954	0.072991
-0.10652	0.02132	-0.09128	0.04868	-0.14507	0.00167	-0.10897	0.01849	0.072511
-0.05749	0.21494	-0.06229	0.17903	0.00117	0.97989	-0.06062	0.19097	0.06967
-0.12156	0.00855	-0.10807	0.0195	-0.26647	4.94E-09	-0.09177	0.04748	0.055096
-0.08845	0.05612	-0.06589	0.15517	-0.03064	0.50896	-0.0249	0.59149	0.000315
-0.04045	0.38316	-0.05632	0.22444	-0.132	0.00427	-0.00503	0.91374	0.114712
0.051289	0.26867	-0.06988	0.13158	-0.08082	0.08105	-0.18761	4.51E-05	0.049616
-0.07295	0.11541	0.062139	0.18007	0.000623	0.98929	0.022763	0.62367	0.098695
-0.01468	0.75176	-0.0104	0.82267	-0.05234	0.25896	0.04631	0.31797	0.105589
0.008042	0.8624	0.181488	8.00E-05	0.050097	0.27997	0.2333	3.42E-07	0.066911
0.011596	0.80265	-0.16382	0.00038	-0.13531	0.00339	-0.10296	0.02608	0.064381
0.002789	0.95206	-0.09325	0.044	-0.07987	0.08467	-0.11661	0.01167	-0.03588
0.130259	0.00481	0.13762	0.00288	0.325126	5.85E-13	0.140228	0.00239	0.058791
0.017542	0.70535	-0.02829	0.54194	0.083731	0.07064	-0.0564	0.22381	0.056124
-0.01469	0.75152	-0.0307	0.50807	-0.2072	6.34E-06	-0.04841	0.29648	-0.10256
-0.08712	0.05994	0.098458	0.03341	0.002845	0.9511	0.093036	0.04448	0.009634
0.134925	0.00349	0.06541	0.15817	0.195523	2.09E-05	0.069765	0.13221	0.087359
-0.00966	0.83515	-0.06604	0.15417	-0.06739	0.14595	-0.06543	0.15804	0.060489
0.054553	0.23935	0.265504	5.64E-09	0.210874	4.29E-06	0.292927	1.08E-10	0.284084
0.047171	0.30906	0.031473	0.49747	-0.05932	0.20066	-0.02676	0.564	0.093903

0.11137	0.01605	0.190353	3.47E-05	0.109892	0.01752	0.165579	0.00033	-0.07056
0.222382	1.21E-06	-0.00404	0.93059	0.06053	0.19164	0.039438	0.39515	0.084757
-0.19048	3.42E-05	-0.24874	5.13E-08	-0.32125	1.13E-12	-0.22798	6.38E-07	-0.00507
0.031532	0.49666	-0.09763	0.03494	-0.10355	0.02524	-0.1239	0.00735	-0.00145
0.042945	0.35445	-0.07399	0.11029	-0.04829	0.2977	-0.08104	0.08022	-0.0376
0.023677	0.6098	-0.05661	0.22203	-0.0606	0.19115	-0.09786	0.03449	0.002546
0.106314	0.02157	0.237563	2.05E-07	0.149898	0.00116	0.128365	0.00547	0.010035
-0.03166	0.49489	0.048309	0.29752	0.07466	0.1071	0.047412	0.30658	0.051169
0.024854	0.59214	-0.03791	0.41377	-0.05451	0.23974	-0.07278	0.11624	-0.03002
-0.05601	0.22701	0.005867	0.89938	-0.06894	0.13689	-0.03738	0.42026	-0.21143
0.023651	0.61019	0.140121	0.00241	-0.04647	0.31634	0.134078	0.0037	0.110592
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-0.0651	0.16019	-0.0792	0.08732	-0.0296	0.52341	-0.00714	0.87773	0.054754
-0.02978	0.52091	-0.07389	0.11081	0.008764	0.85018	-0.05206	0.26153	0.18009
0.077372	0.09491	-0.11885	0.01015	0.025511	0.58239	-0.12891	0.00527	0.046522
0.102892	0.02618	-0.06929	0.13488	0.04589	0.32239	-0.0534	0.2494	0.12222
0.024985	0.59018	-0.0369	0.42634	0.015841	0.73277	-0.01252	0.78729	0.07678
-0.09379	0.04279	-0.16575	0.00032	-0.09658	0.03695	-0.18523	5.65E-05	-0.06785
-0.01048	0.82122	-0.09525	0.03962	-0.05018	0.2792	-0.06164	0.18357	-0.04007
0.019779	0.66988	-0.10914	0.01831	-0.13917	0.00258	-0.13192	0.00429	-0.02587
0.068869	0.13727	-0.03467	0.45486	0.063188	0.17282	-0.05712	0.2179	0.020783
0.06415	0.16635	0.014077	0.76158	0.073666	0.11187	0.024703	0.59439	0.088801
0.030866	0.5058	0.047297	0.30776	0.105093	0.02313	0.006538	0.88795	0.005129
0.018549	0.68929	-0.08727	0.0595	-0.08423	0.06897	-0.1376	0.00289	-0.03115
0.092496	0.04574	-0.03673	0.42846	0.018896	0.6838	-0.09859	0.03316	0.021492
-0.00364	0.93754	-0.10186	0.02773	-0.02427	0.60082	-0.10766	0.01996	-0.00571
-0.00066	0.98859	-0.04885	0.29216	0.00184	0.96836	-0.08727	0.05949	0.009269
0.037721	0.41606	0.019531	0.67377	-0.00492	0.91553	-0.06249	0.17759	-0.08262
0.00477	0.91811	-0.01933	0.67688	0.045315	0.3285	-0.15505	0.00077	-0.0339
0.015906	0.73173	-0.01692	0.7154	0.058071	0.21034	-0.06068	0.19055	-0.04085
-0.03795	0.41327	-0.10543	0.02269	-0.01856	0.68911	-0.08711	0.05997	0.017724
0.051353	0.26807	-0.18163	7.90E-05	-0.04087	0.37817	-0.16915	0.00024	0.031374
0.034971	0.45089	-0.16613	0.00031	-0.08222	0.07589	-0.18343	6.69E-05	0.056583
-0.01395	0.76363	-0.0345	0.45696	-0.0085	0.85458	-0.07048	0.12828	-0.00793
0.024707	0.59432	-0.10957	0.01785	0.003092	0.94688	-0.1075	0.02015	0.116244
-0.02432	0.60016	-0.0758	0.10182	0.022153	0.633	-0.13497	0.00347	-0.03669
0.01237	0.78977	-0.15714	0.00065	-0.05187	0.26324	-0.16848	0.00025	0.013972
-0.01215	0.79334	-0.10014	0.03049	0.020468	0.65908	-0.10871	0.01878	0.005934
-0.00691	0.88159	-0.03947	0.39482	0.040385	0.38389	-0.07844	0.09041	0.036377
-0.14742	0.0014	-0.067	0.1483	-0.31189	5.40E-12	-0.13064	0.00469	-0.0941
0.02369	0.6096	-0.10031	0.03021	-0.03728	0.42154	0.001538	0.97356	0.170252
0.304002	1.93E-11	-0.04479	0.33417	0.068395	0.14	-0.06307	0.17359	0.045798
-0.04501	0.33171	-0.11606	0.01208	-0.07423	0.10913	-0.11579	0.01228	0.050967
-0.04802	0.30043	-0.16013	0.00051	-0.08698	0.06036	-0.15371	0.00086	0.009146

0.076108	0.10045	0.006324	0.89158	0.052229	0.25999	-0.01238	0.78958	0.11501
-0.03909	0.39939	-0.07153	0.12269	-0.12084	0.00895	0.044057	0.34211	0.16151
0.092837	0.04494	-0.05044	0.27665	0.046269	0.31841	-0.11482	0.01304	-0.0277
0.112313	0.01517	-0.08781	0.05795	0.009895	0.83111	-0.04802	0.30039	-0.04869
-0.01772	0.70251	0.093353	0.04376	-0.00532	0.90872	0.060101	0.19481	-0.07389
0.062851	0.17512	0.033579	0.46913	0.093276	0.04394	0.015629	0.73623	0.113581
-0.00561	0.9038	-0.11158	0.01585	-0.04922	0.28852	-0.0162	0.72698	0.209567
0.048766	0.29297	-0.08452	0.06801	-0.05307	0.25237	-0.09257	0.04556	-0.04248
0.194098	2.41E-05	0.0741	0.10977	0.201701	1.12E-05	0.006584	0.88716	0.118352
0.121024	0.00885	0.183213	6.82E-05	0.150525	0.0011	0.164502	0.00036	0.113185
-0.02555	0.58187	0.126637	0.00614	0.115032	0.01287	0.156891	0.00067	0.210196
0.058328	0.20833	-0.02695	0.56132	-0.04183	0.36707	-0.01779	0.70133	-0.02129
0.050103	0.27991	-0.02313	0.61803	0.005538	0.90499	0.089149	0.0542	0.273297
-0.02607	0.57413	0.123919	0.00734	0.104469	0.02396	0.030734	0.50762	0.197292
0.182346	7.39E-05	0.173216	0.00017	0.142797	0.00198	0.213102	3.38E-06	0.209708
-0.06583	0.15554	-0.15154	0.00102	-0.1651	0.00034	-0.04625	0.31859	0.045069
0.021838	0.63784	-0.05105	0.27087	-0.04377	0.34527	-0.06673	0.14995	-0.09934
-0.01621	0.72678	0.055875	0.22814	0.00411	0.92941	0.115266	0.01268	0.023771
-0.09807	0.0341	-0.15806	0.00061	-0.15353	0.00087	-0.1359	0.00325	-0.00561
0.046201	0.31912	-0.04145	0.37152	-0.0386	0.40523	-0.07046	0.12837	0.041292
0.113162	0.01441	0.124564	0.00704	0.028172	0.54365	0.085411	0.06516	-0.06088
0.038608	0.40519	-0.02338	0.61424	-0.02109	0.64937	-0.00151	0.97406	0.052396
0.095118	0.03991	-0.01754	0.7054	-0.05646	0.2233	-0.00782	0.86611	-0.04783
0.128063	0.00558	0.013792	0.76626	0.038557	0.40581	-0.03506	0.44973	-0.03103
-0.01598	0.73052	-0.06688	0.14903	0.002112	0.96369	-0.03764	0.41711	0.065537
-0.00481	0.91747	-0.06913	0.13579	-0.0718	0.1213	-0.09904	0.03237	-0.09241
0.060466	0.19211	0.08529	0.06554	0.144768	0.00171	0.077082	0.09616	0.220116
0.0818	0.07741	0.014383	0.75656	0.049599	0.28478	0.115551	0.01246	0.161624
0.051607	0.26572	0.122539	0.00803	0.103704	0.02502	0.179554	9.56E-05	0.122446
0.011144	0.81019	-0.00935	0.84029	0.142398	0.00204	0.037888	0.414	-0.00937
-0.06738	0.14596	0.016813	0.71706	0.014762	0.75036	0.065384	0.15834	0.054337
-0.01372	0.76751	-0.06865	0.13851	-0.07165	0.12207	-0.05469	0.2382	0.061605
-0.01445	0.75546	-0.03109	0.50274	0.012401	0.78925	0.017908	0.6995	0.073181
0.00878	0.8499	-0.05322	0.25105	0.008956	0.84693	0.059532	0.19907	0.153128
-0.02936	0.52682	-0.06407	0.16686	-0.14664	0.00148	-0.01154	0.80352	0.009167
0.078941	0.08838	0.175962	0.00013	0.189413	3.79E-05	0.136734	0.00307	0.035727
0.065005	0.16077	0.044736	0.33472	-0.01649	0.72223	0.030645	0.50885	-0.09192
0.026807	0.56336	0.001082	0.9814	-0.03176	0.49355	-0.03864	0.40477	-0.08535
0.028702	0.53611	0.063344	0.17176	0.075689	0.10234	0.127089	0.00596	-0.01807
0.191179	3.20E-05	-0.01997	0.66691	-0.00491	0.91576	-0.03115	0.50193	0.106289
-0.00112	0.9808	-0.17248	0.00018	-0.04275	0.3566	-0.12166	0.00849	0.104462
0.127498	0.0058	-0.0256	0.58108	0.048422	0.29638	-0.05069	0.27432	0.029659
-0.05833	0.20828	0.031195	0.50127	-0.02035	0.66088	0.081425	0.07878	0.086505
0.035645	0.4422	-0.04253	0.35909	0.08048	0.08233	-0.04959	0.28492	0.099315
0.01614	0.72794	0.324507	6.51E-13	0.309926	7.44E-12	0.243222	1.03E-07	0.301456

0.117512	0.01104	-0.00052	0.99097	-0.00031	0.99472	-0.0469	0.31188	-0.04034
0.038946	0.40108	-0.12269	0.00795	-0.12667	0.00612	-0.15016	0.00114	-0.01618
-0.13927	0.00256	0.082414	0.0752	-0.07361	0.11213	0.094318	0.04162	-0.14271
-0.03635	0.4332	-0.02128	0.64642	-0.23072	4.64E-07	-0.11886	0.01015	-0.25917
-0.10128	0.02863	-0.18437	6.12E-05	-0.16866	0.00025	-0.26973	3.15E-09	-0.23022
0.026317	0.57052	-0.01659	0.72063	0.032499	0.48355	0.084163	0.0692	0.12983
0.010941	0.81358	-0.0657	0.15634	-0.07828	0.0911	-0.04562	0.3253	0.104361
0.011952	0.79672	-0.0458	0.32334	-0.02898	0.53223	-0.03021	0.51486	0.121243
0.028273	0.54221	-0.14544	0.00163	-0.04312	0.35248	-0.12524	0.00673	0.046615
-0.05214	0.26076	0.108249	0.01929	-0.05349	0.24865	0.044873	0.33324	-0.14144
0.120444	0.00918	0.239409	1.64E-07	0.200668	1.25E-05	0.251587	3.56E-08	0.023147
0.069217	0.13529	0.199027	1.47E-05	0.195871	2.02E-05	0.227895	6.45E-07	0.096066
0.042652	0.35775	0.076161	0.10021	-0.03805	0.41197	0.045801	0.32334	-0.05277
-0.02904	0.53124	-0.0231	0.61847	-0.0008	0.98633	-0.08963	0.05291	-0.11442
0.07735	0.095	0.046879	0.31206	-0.04395	0.34331	0.028855	0.53393	-0.04757
0.016002	0.73017	-0.05138	0.26787	-0.00375	0.93558	-0.09108	0.04919	-0.06924
0.064095	0.16672	-0.03216	0.48811	-0.01283	0.78212	-0.0707	0.12711	0.126772
0.057837	0.21219	0.168678	0.00025	0.185826	5.34E-05	0.092678	0.04531	0.078671
-0.05345	0.24903	0.074719	0.10683	-0.06572	0.1562	0.070123	0.13023	-0.0723
-0.00607	0.896	0.07301	0.11511	0.068556	0.13907	0.046852	0.31234	-0.07078
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0.202869	9.95E-06	0.10556	0.02252	0.163832	0.00038	0.133293	0.00391	0.196182
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0.009652	0.8352	0.05526	0.23331	0.066967	0.14848	0.119028	0.01004	0.248499
-0.0792	0.08733	-0.03875	0.40349	-0.05462	0.23874	-0.10514	0.02306	-0.17198
0.011299	0.80759	0.1019	0.02767	0.069151	0.13566	0.020675	0.65586	-0.04668
-0.08253	0.0748	-0.05643	0.22357	-0.06694	0.14865	-0.05835	0.20816	0.010498
0.073886	0.1108	0.05734	0.21616	0.035281	0.44688	0.050443	0.27666	0.028022
0.022237	0.63171	0.04862	0.29441	-0.01126	0.8082	0.042635	0.35794	0.048266
0.044158	0.34101	-0.08517	0.06592	-0.10342	0.02542	-0.13062	0.00469	-0.07985
0.19257	2.79E-05	0.179676	9.45E-05	0.261765	9.35E-09	0.118949	0.01009	0.176277
0.027025	0.5602	-0.00743	0.87276	-0.01623	0.7264	-0.06014	0.19451	-0.03184
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0.121702	0.00847	-0.1315	0.00442	-0.04019	0.38616	-0.17628	0.00013	-0.01444
0.037748	0.41573	-0.14635	0.00152	-0.0159	0.73179	-0.1512	0.00105	0.152175
0.01196	0.79659	0.148903	0.00125	0.280272	7.07E-10	0.253073	2.94E-08	0.226872
-0.02516	0.58763	-0.12305	0.00776	-0.04342	0.3492	-0.10965	0.01777	0.098194
0.121608	0.00852	0.31377	3.96E-12	0.295379	7.42E-11	0.278538	9.08E-10	0.099494
0.075398	0.10367	0.141207	0.00222	0.140244	0.00238	0.322762	8.78E-13	0.148087
0.073165	0.11434	0.183457	6.67E-05	0.156659	0.00068	0.302101	2.60E-11	0.226414
0.071067	0.12513	0.07834	0.09083	0.115068	0.01284	0.092841	0.04493	0.039859
0.038097	0.41144	0.012914	0.78076	-0.02917	0.5295	-0.03309	0.47567	-0.20864
-0.05949	0.19936	-0.09407	0.04215	-0.01192	0.7973	-0.16335	0.00039	-0.1463
-0.01036	0.8233	-0.16717	0.00029	-0.20323	9.58E-06	-0.18496	5.79E-05	-0.06788

-0.02865	0.53683	0.016011	0.73003	-0.18691	4.82E-05	-0.08765	0.05841	-0.19373
0.064551	0.16372	-0.05442	0.24052	-0.00721	0.87651	0.017565	0.70499	0.18271
0.026576	0.56673	0.041295	0.37326	-0.11267	0.01484	0.000534	0.99081	-0.01472
-0.03077	0.50708	0.185837	5.33E-05	0.259041	1.35E-08	0.275527	1.40E-09	0.041506
-0.01865	0.68773	0.242555	1.11E-07	0.254808	2.35E-08	0.330607	2.26E-13	0.074042
0.09486	0.04046	0.074893	0.10601	0.168076	0.00026	0.173866	0.00016	0.11059
0.124137	0.00723	0.212643	3.55E-06	0.304288	1.84E-11	0.284599	3.76E-10	0.274425
-0.03915	0.39856	0.038892	0.40173	-0.05962	0.19843	0.028963	0.5324	0.001179
0.08745	0.05898	-0.07681	0.09732	0.024463	0.59797	-0.12807	0.00558	0.076718
0.119804	0.00956	0.241511	1.27E-07	0.320797	1.23E-12	0.173552	0.00016	0.204419
0.043534	0.34788	0.042883	0.35515	-0.03959	0.39339	0.007683	0.86847	0.079042
0.165375	0.00033	0.143455	0.00188	0.183259	6.79E-05	0.104346	0.02413	-0.01039
0.072185	0.11928	-0.03473	0.45405	-0.0705	0.12817	0.098547	0.03325	0.149249
0.03312	0.47522	-0.12321	0.00769	-0.06931	0.13477	-0.18116	8.25E-05	-0.11169
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-0.09522	0.0397	0.022485	0.62791	-0.02758	0.55221	0.100372	0.0301	0.224852
-0.04768	0.30382	0.025778	0.57843	0.035621	0.44251	0.154434	0.00081	0.39181
0.006095	0.89548	0.116253	0.01194	0.114323	0.01343	0.098159	0.03395	0.131902
-0.04641	0.3169	-0.13972	0.00248	-0.13122	0.00451	-0.08989	0.05223	0.098959
-0.04187	0.36667	-0.06349	0.17078	-0.05274	0.25537	-0.01827	0.69376	0.119327
-0.06079	0.18973	-0.24726	6.18E-08	-0.16807	0.00026	-0.22037	1.52E-06	-0.01092
0.005297	0.90912	-0.16417	0.00037	-0.20008	1.32E-05	-0.20279	1.00E-05	0.09808
-0.11121	0.0162	-0.22642	7.64E-07	-0.26099	1.04E-08	-0.18609	5.21E-05	0.032348
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0.034046	0.46296	0.209264	5.10E-06	0.119827	0.00955	0.146992	0.00145	-0.08718
-0.07884	0.08879	0.087348	0.05927	0.001318	0.97734	0.087184	0.05975	0.205027
0.055103	0.23464	-0.07321	0.11409	-0.02344	0.61337	-0.12843	0.00544	-0.02465
-0.00151	0.97411	-0.05086	0.27272	0.063871	0.16821	-0.06405	0.16703	0.113498
0.027423	0.55442	0.026756	0.56411	-0.00251	0.95678	-0.01284	0.7819	-0.06292
-0.07463	0.10723	0.036616	0.42986	0.029691	0.52214	0.101004	0.02908	-0.13072
0.027755	0.54964	0.010141	0.82699	-0.02859	0.53763	0.064309	0.16531	0.042629
0.075708	0.10225	0.336662	7.71E-14	0.327054	4.20E-13	0.300329	3.44E-11	0.082741
-0.04282	0.35584	0.021658	0.64061	-0.05621	0.22536	0.063538	0.17044	0.131391
0.003119	0.94641	-0.03282	0.47921	-0.00534	0.90836	0.130059	0.00488	0.176287
-0.03042	0.51201	-0.05242	0.25825	-0.02485	0.59219	-0.07999	0.08422	-0.01728
-0.02862	0.53732	-0.13622	0.00318	-0.06821	0.14109	-0.09039	0.05094	0.15726
-0.0331	0.47551	-0.06586	0.1553	-0.03199	0.49046	-0.07532	0.10401	-0.00798
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0.221058	1.41E-06	0.074635	0.10722	0.067527	0.14511	0.058572	0.20643	0.001252
0.162724	0.00041	0.079025	0.08804	0.06118	0.1869	0.009236	0.84221	-0.04291
-0.0146	0.75304	-0.13734	0.00294	-0.14938	0.00121	-0.0642	0.16601	0.020388
0.046376	0.31729	-0.00216	0.96293	0.06609	0.15389	-0.00914	0.84378	0.118666
0.036768	0.42796	-0.17348	0.00016	-0.11772	0.0109	-0.06281	0.17543	0.254333
-0.02	0.66646	-0.10954	0.01788	-0.12345	0.00757	0.018595	0.68856	0.166674

-0.04135	0.37265	-0.15311	0.0009	-0.00213	0.9633	-0.04534	0.32824	0.219067
0.015849	0.73265	-0.1255	0.00662	-0.17029	0.00022	-0.09714	0.03586	-0.00206
0.029703	0.52197	0.009981	0.82968	0.044605	0.33615	0.056362	0.2241	0.275467
-0.03505	0.44981	-0.16286	0.00041	-0.1069	0.02086	-0.14787	0.00135	0.03462
-0.0193	0.67735	-0.00438	0.92472	-0.02032	0.66138	-0.01962	0.67229	-0.08025
-0.03587	0.43938	-0.18836	4.20E-05	-0.14324	0.00192	-0.11056	0.01684	0.132375
-0.03138	0.49874	0.020464	0.65914	-0.05763	0.21381	0.060161	0.19436	-0.10444
0.01092	0.81393	0.035469	0.44446	0.113831	0.01384	-0.01364	0.76877	0.119631
0.027705	0.55036	0.025962	0.57573	-0.12023	0.0093	-0.01035	0.82345	0.041125
0.091524	0.04808	0.08543	0.0651	0.024312	0.60024	0.023423	0.61364	-0.08621
0.037005	0.42498	0.026933	0.56153	0.025128	0.58806	0.001262	0.9783	-0.02254
-0.03072	0.50781	0.020825	0.65352	0.061767	0.1827	0.029298	0.52767	0.080401
0.015502	0.73828	0.017624	0.70404	-0.02357	0.61145	-0.01677	0.71779	0.015085
0.043681	0.34626	0.028435	0.5399	0.020731	0.65499	0.035657	0.44205	0.015035
0.156964	0.00066	0.088491	0.05601	0.133395	0.00388	0.150919	0.00107	0.189572
0.048501	0.2956	-0.03544	0.44479	0.019104	0.68051	-0.03198	0.49054	-0.02318
0.005767	0.90108	0.005717	0.90193	-0.08041	0.08261	-0.03531	0.44656	-0.0752
-0.0863	0.06241	-0.14934	0.00121	-0.24186	1.21E-07	-0.08418	0.06915	-0.06388
-0.08953	0.05318	0.010672	0.81807	-0.15451	0.00081	0.084789	0.06715	-0.1283
-0.10902	0.01844	-0.04719	0.30883	-0.08581	0.06392	-0.03495	0.45117	-0.07275
0.052889	0.25401	-0.00182	0.96863	0.033557	0.46942	-0.04418	0.34082	-0.03989
0.180088	9.10E-05	-0.05249	0.25763	0.027554	0.55254	-0.05475	0.23764	0.0504
-0.01469	0.75161	-0.0324	0.48482	-0.02362	0.61065	-0.03416	0.46153	0.128682
0.0003	0.99484	-0.0387	0.4041	-0.04164	0.36929	-0.07548	0.10331	-0.01697
-0.02398	0.60517	-0.03486	0.45237	-0.03956	0.39364	-0.04448	0.33754	0.036449
0.062518	0.17742	-0.04731	0.30761	0.014742	0.75068	-0.0432	0.35159	-0.00649
0.04285	0.35552	0.015443	0.73924	0.055841	0.22842	0.060391	0.19266	-0.01199
0.050978	0.27159	-0.03766	0.41682	-0.00883	0.84911	-0.00928	0.84151	0.051494
-0.01021	0.82575	0.094574	0.04107	0.045789	0.32346	0.052108	0.2611	0.111393
-0.0193	0.67749	-0.06399	0.16744	-0.08338	0.07183	-0.11983	0.00954	-0.14682
0.003886	0.93325	-0.09121	0.04884	-0.07339	0.11325	-0.07098	0.12559	-0.02675
-0.05354	0.24819	-0.03834	0.40841	-0.02139	0.64483	0.022193	0.63239	0.114201
0.06885	0.13737	-0.0927	0.04525	-0.06483	0.16189	-0.1423	0.00205	-0.07088
0.161424	0.00046	-0.11545	0.01254	0.016229	0.72649	-0.09617	0.03775	0.190549
0.169037	0.00024	0.093612	0.04318	0.231136	4.42E-07	0.086988	0.06033	0.159431
-0.03376	0.46671	0.086874	0.06067	0.090689	0.05016	0.094459	0.04131	0.067629
0.0049	0.9159	-0.05555	0.23086	-0.00016	0.99732	-0.11241	0.01508	-0.04533
0.021433	0.6441	-0.02566	0.58011	-0.01762	0.70408	0.009484	0.83803	0.031868
-0.02278	0.62348	-0.03032	0.51335	-0.01385	0.76538	-0.00257	0.95589	0.069629
0.03318	0.47443	0.03682	0.4273	-0.04516	0.33011	-0.02594	0.57603	-0.12397
0.03746	0.41931	-0.02218	0.63252	0.046084	0.32035	0.01393	0.764	0.088084
-0.03906	0.3997	-0.0772	0.09565	-0.07758	0.09403	-0.01535	0.74081	0.047277
-0.07801	0.09221	0.008506	0.85454	-5.12E-05	0.99912	0.073101	0.11466	0.085683
-0.00561	0.90377	-0.0352	0.44789	-0.03106	0.50316	-0.172	0.00019	-0.06422
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0.077336	0.09507	0.176081	0.00013	0.129658	0.00501	0.262735	8.21E-09	0.182474
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0.005553	0.90473	0.00984	0.83204	0.02531	0.58536	-0.04561	0.32534	0.223311
0.062	0.18105	0.068912	0.13702	-0.00052	0.99097	0.116183	0.01199	0.08217
-0.07247	0.11783	0.004931	0.91536	-0.00893	0.84746	-0.0493	0.28771	-0.06771
0.066325	0.15242	-0.04672	0.31374	-0.01082	0.81565	-0.09671	0.0367	-0.02497
0.099055	0.03235	-0.06267	0.17637	-0.05879	0.20475	-0.00141	0.97571	0.068047
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0.012277	0.79131	-0.01243	0.7888	0.059566	0.19882	-0.0082	0.85976	0.063937
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0.057875	0.21189	-0.00193	0.96674	-0.02722	0.55731	-0.10988	0.01753	-0.07803
0.023156	0.61769	-0.04425	0.34004	-0.00305	0.94757	-0.02714	0.55846	0.035509
0.014582	0.7533	-0.07849	0.0902	-0.0721	0.11972	-0.1053	0.02285	-0.00118
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0.010156	0.82674	-0.01791	0.6995	0.019065	0.68112	-0.0244	0.59896	0.167455
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0.118145	0.01061	-0.05691	0.2196	0.089254	0.05392	-0.04002	0.38818	0.02316
0.00646	0.88927	0.093292	0.0439	-0.09278	0.04507	0.073703	0.11169	-0.20734
0.030652	0.50876	-0.10201	0.02751	0.017074	0.71286	-0.10324	0.02568	0.102483
0.060758	0.18996	0.02501	0.58982	-0.02185	0.63773	0.061959	0.18134	0.025135
0.003009	0.9483	-0.01236	0.78986	0.068662	0.13846	0.012387	0.78948	0.245161
0.010244	0.82526	-0.07623	0.09991	-0.07963	0.08563	-0.07072	0.12701	-0.02895
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0.01265	0.78512	-0.08024	0.08325	-0.08843	0.05619	-0.07054	0.12798	-0.00526
0.139276	0.00256	-0.06752	0.14516	-0.0621	0.18037	0.028284	0.54205	0.187138
0.055079	0.23484	0.033149	0.47484	0.014501	0.75463	-0.01802	0.69764	-0.04811
0.121602	0.00852	0.015667	0.73561	-0.05146	0.2671	-0.0106	0.81936	-0.01478
0.067493	0.14531	0.057678	0.21345	0.043413	0.34923	0.074258	0.10901	-0.03147
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0.005416	0.90708	-0.0721	0.11973	-0.04989	0.28197	-0.08314	0.07266	-0.06926
0.037259	0.42181	-0.01016	0.82667	0.039496	0.39446	-0.0538	0.24588	-0.01686
0.044778	0.33427	-0.02693	0.56162	0.017879	0.69997	0.002847	0.95108	0.089807
0.093649	0.04309	0.051184	0.26965	0.116181	0.01199	0.03666	0.42931	-0.00352
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0.031054	0.50322	0.003405	0.9415	-0.07052	0.1281	-0.06878	0.1378	0.094965
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0.022128	0.63338	0.039831	0.39045	0.041224	0.37408	0.125309	0.0067	0.215169
0.03407	0.46264	0.161703	0.00045	0.157812	0.00062	0.111768	0.01567	0.131473
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0.004102	0.92955	0.048202	0.29859	0.047924	0.30139	0.001674	0.97121	0.093278
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0.062734	0.17593	0.023589	0.61112	0.021594	0.6416	-0.02472	0.59407	-0.07206
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0.041731	0.36823	-0.00222	0.96182	-0.05202	0.26189	0.030721	0.50781	0.129895
0.035006	0.45044	0.054301	0.24153	-0.03721	0.42239	0.000416	0.99285	-0.02505
0.001481	0.97454	-0.14185	0.00212	-0.07915	0.08755	-0.11034	0.01707	0.116787
0.031258	0.50041	-0.09283	0.04496	-0.0458	0.32338	-0.08679	0.06092	0.083319
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0.022655	0.62531	-0.04865	0.29414	-0.05708	0.21826	-0.07169	0.12185	-0.04954
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0.109197	0.01825	0.189088	3.92E-05	0.066722	0.14998	0.049755	0.28327	-0.11537
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0.045393	0.32767	-0.01796	0.69867	-0.04895	0.2911	-0.03909	0.39936	-0.07383
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0.002442	0.95803	-0.03939	0.39573	-0.04588	0.32247	-0.04103	0.37635	0.015526
0.002416	0.95848	-0.03939	0.39577	-0.05914	0.20209	-0.07211	0.11968	-0.06779
0.010394	0.82274	-0.05679	0.22059	-0.05449	0.2399	-0.07892	0.08846	-0.11354
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0.032306	0.48614	-0.06515	0.15981	-0.01341	0.77261	0.069989	0.13097	0.17209
0.126154	0.00634	0.035595	0.44285	0.004383	0.92473	0.069776	0.13216	0.079544
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0.03568	0.44175	0.146473	0.0015	0.014275	0.75833	0.24576	7.47E-08	0.076213
0.026272	0.57118	-0.11422	0.01352	-0.11541	0.01257	-0.09268	0.04531	0.034633
0.055706	0.22955	-0.08547	0.06496	-0.10001	0.03071	-0.00029	0.995	0.186454
0.059007	0.20307	0.034116	0.46204	0.036776	0.42785	-0.09531	0.03951	-0.06389
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0.143568	0.00187	0.092868	0.04487	0.051581	0.26596	0.084963	0.06659	0.05157
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0.110541	0.01686	0.088757	0.05528	0.218475	1.88E-06	0.285699	3.19E-10	0.039303
0.051635	0.26545	0.02192	0.63658	0.054252	0.24195	0.056991	0.21896	0.054277
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0.042916	0.35478	0.054744	0.23771	0.009259	0.84183	0.080996	0.08037	0.016075
0.048263	0.29797	0.061773	0.18266	0.055949	0.22752	0.043393	0.34944	0.026017
0.040338	0.38445	0.092981	0.04461	-0.00052	0.99109	0.09437	0.04151	0.156599
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0.036607	0.42998	-0.16802	0.00027	-0.05407	0.24358	-0.13675	0.00306	0.16403
0.122203	0.0082	0.111237	0.01618	0.21598	2.47E-06	0.094123	0.04204	0.100004
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0.019279	0.67774	-0.07876	0.08912	-0.08277	0.07395	-0.11334	0.01426	-0.08163
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0.038534	0.40609	0.227235	6.96E-07	0.203745	9.09E-06	0.253634	2.74E-08	0.203633
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0.03471	0.45428	0.131004	0.00457	0.030351	0.51292	0.091796	0.04741	0.012138
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0.000442	0.9924	0.04538	0.32781	0.096408	0.03728	0.060896	0.18896	0.058686
0.055343	0.2326	0.288122	2.23E-10	0.090463	0.05074	0.247575	5.95E-08	-0.03997
0.087153	0.05985	-0.06322	0.17261	0.071053	0.12521	-0.03609	0.43649	0.170953
0.067021	0.14815	-0.07767	0.09363	-0.03257	0.4826	-0.03167	0.49477	0.023341
0.059979	0.19572	0.277685	1.03E-09	0.218623	1.85E-06	0.271049	2.62E-09	0.076512
0.002803	0.95182	0.092568	0.04557	0.209486	4.98E-06	0.10227	0.02711	0.167207
-0.00123	0.97881	-0.15783	0.00062	-0.09217	0.04652	-0.11395	0.01374	-0.0392
-0.1608	0.00049	-0.20314	9.67E-06	-0.20895	5.27E-06	-0.0947	0.04081	-0.02831
-0.09605	0.038	-0.13929	0.00256	-0.12385	0.00737	-0.06879	0.13773	0.072755
0.002719	0.95326	0.037543	0.41827	0.035587	0.44294	-0.0055	0.90567	0.031181
0.027095	0.55917	-0.03028	0.51396	-0.02172	0.63964	-0.02132	0.64577	0.069533
-0.05464	0.23863	0.012829	0.78216	0.085998	0.06333	0.034671	0.45478	0.154635
0.009224	0.84242	-0.12136	0.00866	0.049922	0.28166	-0.0087	0.85125	0.276759
0.090172	0.05149	-0.0067	0.88527	0.003072	0.94722	0.072114	0.11965	0.121503
-0.03489	0.45198	-0.00863	0.85238	0.042435	0.3602	0.048415	0.29645	0.150096
0.124451	0.00709	0.040501	0.38253	0.129635	0.00502	0.081814	0.07735	0.202086
0.071723	0.12167	-0.09248	0.04577	0.050146	0.2795	-0.04978	0.28298	0.094821
0.014149	0.7604	0.003276	0.94372	0.030694	0.50818	0.047595	0.30473	0.002683
-0.00124	0.97861	0.046342	0.31764	0.079939	0.08441	0.064368	0.16492	0.176688
-0.08653	0.06171	-0.0412	0.37432	-0.1851	5.72E-05	-0.03513	0.44879	-0.02074
0.046112	0.32005	0.038478	0.40676	0.005819	0.9002	0.08899	0.05464	0.080775
-0.02616	0.57284	0.021487	0.64326	-0.04864	0.29424	0.07646	0.09888	-0.05088
-0.02795	0.54678	-0.00537	0.90794	0.035773	0.44056	-0.01644	0.72316	0.038935
-0.06973	0.1324	-0.08009	0.08382	-0.15002	0.00115	-0.08133	0.07912	-0.1442
-0.02206	0.63449	-0.14	0.00243	-0.1668	0.00029	-0.11485	0.01301	-0.07354
0.098314	0.03367	0.035868	0.43935	0.120827	0.00896	0.009422	0.83908	0.016883

0.065113	0.16007	0.086161	0.06283	0.072559	0.11738	0.159137	0.00056	0.197395
0.017165	0.7114	-0.09327	0.04396	-0.0994	0.03174	-0.10569	0.02236	0.066329
-0.13423	0.00366	-0.16427	0.00036	-0.11623	0.01195	-0.0286	0.53758	0.091176
-0.06894	0.13687	-0.1814	8.07E-05	-0.15777	0.00062	-0.19735	1.74E-05	-0.02897
-0.16434	0.00036	-0.12633	0.00626	-0.25474	2.37E-08	-0.20854	5.51E-06	-0.31264
-0.15308	0.0009	-0.04818	0.29882	-0.14688	0.00146	0.097262	0.03562	0.072588
-0.05431	0.24146	-0.15813	0.0006	-0.0426	0.35838	-0.13126	0.00449	0.171477
-0.08814	0.05699	-0.14306	0.00194	-0.23941	1.64E-07	-0.17499	0.00014	-0.06735
0.050481	0.2763	-0.14022	0.00239	-0.0861	0.06301	-0.17162	0.00019	-0.15033
-0.12119	0.00875	-0.0815	0.07851	-0.10266	0.02653	-0.09436	0.04154	0.018931
-0.00643	0.88983	0.082813	0.07379	0.006825	0.88305	0.040179	0.38633	-0.03187
0.049892	0.28195	-0.10858	0.01892	-0.04733	0.30737	-0.0431	0.35273	0.094694
0.062853	0.17511	0.224672	9.34E-07	0.275932	1.32E-09	0.233271	3.43E-07	0.17772
-0.00253	0.95644	-0.16332	0.00039	-0.11194	0.01551	-0.13823	0.00276	-0.09096
-0.0524	0.25843	0.02575	0.57885	0.048193	0.29868	0.100931	0.02919	0.004608
0.029627	0.52304	0.025024	0.58961	0.010998	0.81263	-0.04535	0.32814	-0.11299
0.040097	0.3873	0.091171	0.04895	0.018822	0.68497	-0.00526	0.9097	-0.15183
0.019674	0.67152	-0.06058	0.19127	-0.04403	0.34242	-0.03221	0.48749	0.039249
-0.04785	0.30214	0.012102	0.79422	-0.05944	0.19978	0.030063	0.51694	0.006375
0.057582	0.21422	-0.02953	0.52443	0.049419	0.28654	0.016881	0.71597	-0.01865
-0.11473	0.01311	-0.10641	0.02146	0.003292	0.94344	-0.06638	0.15207	0.126311
-0.03915	0.39859	0.037098	0.42382	-0.03945	0.39507	-0.03694	0.42578	-0.09647
-0.00068	0.98837	-0.10248	0.02679	-0.04643	0.31669	-0.08737	0.0592	0.056227
0.005753	0.90132	0.043075	0.35299	0.025128	0.58807	-0.00307	0.94721	-0.05627
-0.00333	0.94279	0.030968	0.50439	0.021768	0.63892	0.078371	0.09071	0.113546
-0.04084	0.37853	0.085148	0.06599	-0.11389	0.01379	-0.02629	0.57087	-0.07908
0.05076	0.27365	0.008872	0.84836	-0.07652	0.0986	0.031752	0.49366	0.035234
-0.0995	0.03157	-0.12	0.00944	-0.06881	0.13758	-0.02598	0.57552	0.29837
0.075316	0.10405	0.158877	0.00057	0.286782	2.72E-10	0.260816	1.06E-08	0.348954
-0.07248	0.11778	-0.00404	0.93062	-0.04082	0.37875	0.105046	0.02319	0.25125
0.144336	0.00177	0.078977	0.08823	0.237167	2.15E-07	0.066066	0.15403	0.111391
0.009166	0.84339	-0.10464	0.02373	-0.11039	0.01701	-0.00817	0.86024	0.047503
0.051964	0.26241	0.057477	0.21506	-0.04164	0.36932	0.078431	0.09046	-0.06002
-0.01671	0.71878	-0.15078	0.00108	-0.08944	0.05341	-0.09168	0.04769	0.137691
0.016298	0.72537	0.222796	1.16E-06	0.080629	0.08176	0.18225	7.46E-05	-0.06951
-0.04328	0.35069	-0.06271	0.1761	-0.07064	0.12743	-0.04598	0.32141	0.142819
0.037723	0.41604	-0.10752	0.02013	-0.10268	0.02649	-0.08618	0.06276	0.016139
0.01351	0.77092	0.007385	0.87354	0.010676	0.81802	0.047135	0.30943	-0.04996
0.095734	0.03864	-0.03307	0.47584	0.028104	0.54463	-0.07958	0.08584	-0.0607
-0.08113	0.07987	0.014264	0.75851	-0.06409	0.16672	0.065703	0.15631	-0.13532
0.078066	0.09197	-0.07382	0.11112	0.092903	0.04479	-0.05973	0.19761	0.328541
0.01335	0.77355	0.095005	0.04015	0.053199	0.25123	0.086856	0.06072	0.034199
0.004465	0.92333	-0.00059	0.9899	0.040667	0.38058	-0.05631	0.22457	-0.12306
-0.13264	0.00409	-0.10941	0.01802	-0.15171	0.00101	-0.25254	3.15E-08	-0.04357
-0.16645	0.0003	-0.15491	0.00078	-0.22517	8.82E-07	-0.06162	0.18375	-0.07871

0.071044	0.12525	-0.07645	0.09894	0.015894	0.73192	-0.03806	0.41193	0.017954
0.274328	1.66E-09	0.002345	0.95969	0.027655	0.55108	0.050337	0.27767	0.084306
-0.00268	0.95399	0.021031	0.65032	0.137585	0.00289	0.015226	0.74279	0.035293
-0.02505	0.58928	0.015651	0.73586	-0.00612	0.89503	-0.00808	0.8617	-0.09167
0.037573	0.4179	-0.03315	0.47479	0.018606	0.68839	0.010554	0.82006	0.1553
-0.04599	0.32133	-0.08825	0.05669	0.021374	0.64501	-0.04472	0.33491	0.114055
-0.03495	0.4512	-0.01264	0.78532	0.025919	0.57636	-0.08359	0.07113	-0.01615
-0.00831	0.85778	0.016638	0.71988	-0.09007	0.05175	0.016776	0.71767	0.047124
0.112286	0.0152	-0.0043	0.92618	-0.05437	0.24092	-0.05316	0.25156	0.050005
0.040518	0.38233	0.160379	0.0005	0.131434	0.00444	0.10604	0.02191	0.111846
-0.09159	0.04791	0.040104	0.38721	-0.04636	0.31746	0.072464	0.11786	0.175169
0.012685	0.78455	-0.01613	0.72802	-0.15642	0.00069	0.031967	0.49074	0.116155
-0.04157	0.37011	-0.10037	0.0301	-0.14993	0.00116	-0.05458	0.23915	0.146123
0.071585	0.1224	0.017382	0.70792	0.038243	0.40964	0.100456	0.02996	0.124873
0.050542	0.27571	-0.01247	0.78803	0.009847	0.83193	-0.00386	0.93368	0.060874
0.42857	2.76E-22	0.082395	0.07527	0.095301	0.03953	0.083118	0.07273	-0.04264
0.015855	0.73254	-0.03304	0.47625	-0.03235	0.48556	-0.00615	0.89453	0.015406
0.129397	0.0051	0.146578	0.00149	0.156095	0.00071	0.136294	0.00317	0.071162
-0.10103	0.02903	-0.06369	0.16945	-0.08125	0.07943	-0.04006	0.38776	0.097828
0.122283	0.00816	0.158137	0.0006	0.137034	0.003	0.124115	0.00725	0.145092
0.028884	0.53352	-0.08334	0.07198	0.016761	0.71791	-0.04608	0.3204	0.0358
-0.03048	0.51116	0.081909	0.07701	0.026827	0.56307	0.106916	0.02084	-0.02599
0.022825	0.62272	0.031901	0.49163	0.090485	0.05068	0.066221	0.15307	0.177842
-0.12037	0.00922	-0.05633	0.22438	-0.12996	0.00491	0.004416	0.92417	-0.06074
0.001459	0.97491	-0.1411	0.00224	-0.14817	0.00132	-0.14228	0.00206	-0.0257
-0.04563	0.32512	0.092574	0.04556	-0.10384	0.02482	-0.03482	0.45285	-0.13055
0.081636	0.07801	-0.0029	0.95015	0.024292	0.60054	0.025928	0.57622	0.167958
0.0556	0.23044	0.017596	0.70449	-0.0021	0.96398	-0.01946	0.67484	0.037331
0.076921	0.09686	0.04341	0.34926	-0.02963	0.52299	0.018878	0.68407	0.038755
0.071937	0.12056	-0.01455	0.75387	0.007571	0.87037	-0.02403	0.60447	0.013049
0.096353	0.03739	-0.01514	0.74416	0.128578	0.00539	0.004287	0.92639	-0.00437
-0.11889	0.01013	-0.15349	0.00088	-0.20967	4.88E-06	-0.11389	0.01379	-0.03518
-0.11206	0.0154	-0.11572	0.01234	-0.24452	8.73E-08	-0.15166	0.00101	0.013653
0.030206	0.51494	-0.03392	0.46458	0.02176	0.63904	-0.04117	0.37466	0.001243
0.025762	0.57868	-0.04548	0.32675	0.006543	0.88786	-0.0365	0.4313	-0.01508
0.024567	0.59642	0.001369	0.97646	0.027267	0.55668	-0.00955	0.83687	-0.0204
0.034586	0.45589	-0.07235	0.11843	-0.09585	0.0384	-0.09671	0.03668	-0.13117
-0.0496	0.28476	0.015591	0.73684	-0.03004	0.51733	0.088725	0.05537	-0.00982
0.009546	0.83699	0.030196	0.51508	-0.0631	0.17342	-0.01869	0.68713	-0.03452
-0.00163	0.97193	0.218878	1.79E-06	0.049329	0.28742	0.254005	2.61E-08	0.200974
-0.01627	0.72586	0.030428	0.51185	0.169091	0.00024	0.102224	0.02718	0.221536
-0.0073	0.87493	0.034515	0.45682	0.06619	0.15326	0.001472	0.9747	-0.00618
-0.04361	0.34704	0.17882	0.0001	0.093593	0.04322	0.149636	0.00118	-0.05153
0.00391	0.93285	-0.12286	0.00786	-0.11753	0.01103	-0.16984	0.00023	-0.02942
0.063521	0.17056	0.014851	0.74889	0.016288	0.72555	0.061351	0.18567	0.024654

0.088651	0.05557	-0.01121	0.80909	-0.01319	0.77617	-0.00254	0.9564	0.085948
-0.08874	0.05532	0.025793	0.57821	-0.12539	0.00667	-0.06939	0.13433	-0.18546
0.0567	0.22133	0.27846	9.18E-10	0.237968	1.95E-07	0.364357	4.15E-16	0.396067
-0.00577	0.901	0.030286	0.51384	0.16446	0.00036	0.141428	0.00219	0.290309
-0.02098	0.65106	-0.12443	0.0071	-0.10346	0.02537	-0.12492	0.00687	-0.06415
0.148609	0.00128	-0.08413	0.06931	-0.04711	0.30966	-0.03977	0.39118	0.059096
0.061615	0.18378	-0.14443	0.00175	-0.0996	0.0314	-0.0886	0.0557	0.137153
0.083647	0.07093	-0.05013	0.27968	-0.04345	0.34887	-0.01992	0.66773	0.068182
-0.10436	0.02411	0.008068	0.86195	-0.15701	0.00066	0.060593	0.19117	-0.00811
0.029697	0.52206	0.27814	9.62E-10	0.20312	9.69E-06	0.280237	7.11E-10	0.257458
0.030126	0.51606	0.022741	0.624	0.027108	0.55899	0.031453	0.49774	0.181133
0.019407	0.67572	-0.04628	0.3183	-0.03796	0.41311	-0.02439	0.59909	-0.00799
0.012967	0.77988	-0.02113	0.64871	-0.00876	0.85032	-0.02643	0.56882	0.053794
-0.11398	0.01372	0.022799	0.62312	-0.04355	0.3477	0.009549	0.83694	0.076593
-0.00321	0.94489	0.01186	0.79825	0.007756	0.86725	-0.02217	0.63274	-0.09813
0.110868	0.01654	0.03034	0.51308	0.069249	0.13511	0.035695	0.44157	0.026962
0.08682	0.06083	0.046382	0.31722	0.119179	0.00994	0.052701	0.2557	0.001211
0.088921	0.05482	0.119993	0.00944	0.079462	0.08629	0.134599	0.00357	0.004641
-0.02078	0.65422	-0.10942	0.01801	-0.12817	0.00554	-0.12375	0.00742	-0.10488
0.049995	0.28095	0.081449	0.07869	0.114264	0.01348	-0.00252	0.95675	0.038394
-0.00656	0.88751	-0.05744	0.21537	-0.01675	0.71802	-0.11569	0.01236	-0.10083
-0.05451	0.23973	-0.24293	1.06E-07	-0.15563	0.00074	-0.18759	4.52E-05	0.057753
0.100061	0.03062	0.151433	0.00103	0.057458	0.21521	0.108049	0.01951	0.166526
0.00825	0.85887	0.193029	2.67E-05	0.220641	1.47E-06	0.133839	0.00376	0.066031
0.065514	0.15751	0.289332	1.86E-10	0.230232	4.91E-07	0.334493	1.14E-13	0.24264
0.108628	0.01887	0.075272	0.10425	0.029611	0.52326	0.050835	0.27294	0.110082
0.046449	0.31652	-0.01719	0.71107	-0.01542	0.73963	-0.03155	0.49643	0.010504
-0.0497	0.28383	0.011214	0.80902	-0.09859	0.03316	-0.04635	0.31755	-0.06333
0.056258	0.22496	-0.00232	0.96018	-0.00957	0.83655	-0.02636	0.56987	-0.00127
0.052089	0.26127	0.009592	0.83623	0.041885	0.36646	0.010331	0.8238	0.206652
0.00011	0.99811	-0.0579	0.21167	-0.00799	0.8632	-0.0558	0.2288	0.175205
-0.04114	0.37511	-0.10071	0.02956	-0.23947	1.63E-07	-0.0698	0.13203	0.011727
-0.05168	0.26502	0.130267	0.00481	0.134726	0.00353	0.230249	4.90E-07	0.15277
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0.016362	0.72434	-0.02119	0.6478	0.007226	0.87624	-0.0255	0.58262	0.077702
0.064674	0.16292	0.276257	1.26E-09	0.163767	0.00038	0.282298	5.27E-10	-0.02315
-0.01574	0.73436	0.198919	1.49E-05	0.013428	0.77227	0.168891	0.00025	-0.21062
0.008019	0.86279	0.101532	0.02824	0.113861	0.01382	0.142156	0.00207	0.063271
0.032681	0.4811	-0.124	0.0073	-0.06785	0.14316	-0.01297	0.77978	0.161375
-0.12352	0.00753	-0.02455	0.59664	-0.08033	0.08292	-0.04007	0.38765	0.0548
0.022484	0.62794	0.000146	0.99749	0.041932	0.36593	-0.00058	0.99002	-0.00515
0.214598	2.87E-06	-0.00599	0.8973	0.073568	0.11235	0.002555	0.95608	-0.01554
0.114487	0.0133	0.076035	0.10078	0.188526	4.13E-05	0.168147	0.00026	0.029441
0.025494	0.58264	-0.05832	0.2084	0.111862	0.01559	-0.02631	0.57056	0.176237
0.096199	0.0377	0.068702	0.13823	-0.00079	0.98645	0.037949	0.41325	-0.02496

0.135425	0.00337	-0.0529	0.25388	-0.01042	0.8223	-0.03884	0.40233	0.098102
0.055642	0.23009	-0.09636	0.03738	0.038341	0.40844	0.017362	0.70823	0.244115
0.085015	0.06642	-0.00338	0.94186	0.059948	0.19595	-0.01627	0.72591	-0.00027
0.075948	0.10117	-0.00171	0.97058	0.012495	0.78769	-0.00557	0.90448	0.013119
-0.00831	0.85794	-0.05245	0.25799	-0.00733	0.87449	-0.06608	0.15394	0.252389
0.059544	0.19899	-0.00086	0.98524	-0.00797	0.86359	0.094998	0.04016	0.060115
0.064555	0.16369	0.149674	0.00118	0.131156	0.00453	0.167015	0.00029	0.186199
0.06082	0.18951	-0.0693	0.1348	-0.03982	0.39059	0.002517	0.95674	0.223825
-0.05369	0.24685	-0.05763	0.21383	-0.1596	0.00054	-0.04272	0.35693	-0.05251
-0.11594	0.01217	0.030346	0.513	-0.14413	0.00179	-0.04543	0.32723	-0.12376
0.008011	0.86292	-0.05295	0.25343	-0.15609	0.00071	-0.03029	0.51372	0.008012
-0.04846	0.29604	-0.11948	0.00976	-0.09405	0.0422	-0.09371	0.04297	-0.01998
-0.02923	0.52857	-0.1984	1.57E-05	-0.09449	0.04124	-0.23318	3.47E-07	-0.0602
-0.08732	0.05936	-0.01503	0.74602	-0.0244	0.59895	-0.08412	0.06932	-0.0389
0.080975	0.08045	-0.03354	0.4697	0.12669	0.00612	-0.00127	0.97825	0.223935
0.057074	0.21829	-0.01244	0.78856	-0.00661	0.88672	0.049557	0.28519	0.102132
-0.01151	0.8041	-0.00962	0.83577	-0.06646	0.15162	0.059968	0.1958	0.029869
-0.00385	0.93383	0.042952	0.35437	0.044479	0.33751	0.021647	0.64078	0.017708
-0.08603	0.06322	-0.17095	0.00021	-0.12222	0.00819	-0.1902	3.52E-05	-0.14131
-0.0286	0.53756	-0.03859	0.40545	-0.06638	0.15209	-0.03273	0.48039	0.032707
-0.00164	0.97185	-0.07616	0.10023	0.015839	0.73281	-0.05172	0.2647	0.055705
-0.00198	0.96596	-0.05253	0.25725	-0.05776	0.21281	-0.05718	0.21744	0.059014
-0.02276	0.62369	-0.11852	0.01037	-0.03198	0.49051	-0.08661	0.06146	0.02861
-0.02496	0.5906	0.018519	0.68977	0.007007	0.87996	0.016336	0.72477	0.029812
-0.00313	0.94625	-0.04439	0.33845	-0.04698	0.31101	-0.02906	0.53109	-0.00769
-0.04675	0.31335	-0.05805	0.21051	-0.02824	0.54266	-0.0156	0.73676	0.050897
-0.02334	0.61483	-0.01097	0.81314	-0.00332	0.94298	-0.02699	0.56065	-0.05058
0.007045	0.87932	-0.02191	0.63676	0.003358	0.9423	-0.02107	0.6497	-0.02777
0.047278	0.30796	0.053534	0.24825	-0.02938	0.52647	-0.03764	0.41704	-0.10113
0.047072	0.31008	0.141195	0.00223	0.047211	0.30864	0.094554	0.04111	0.07731
0.001486	0.97445	-0.03363	0.46845	-0.0108	0.81592	-0.04759	0.30482	0.009253
-0.02219	0.6325	-0.1014	0.02845	-0.10416	0.02439	-0.11833	0.01049	-0.0067
-0.01961	0.67247	-0.03323	0.47374	-0.09139	0.04841	-0.09284	0.04494	-0.02941
0.119496	0.00975	0.07733	0.09509	0.154336	0.00082	0.083933	0.06996	0.034339
-0.00023	0.99605	0.003455	0.94064	0.001645	0.97173	0.029274	0.528	0.055653
-0.00715	0.87758	-0.02499	0.59005	0.011985	0.79617	-0.0232	0.61709	-0.0916
-0.00667	0.88562	-0.05597	0.22734	-0.03252	0.48327	-0.04277	0.35637	0.040529
-0.03615	0.4358	-0.04021	0.38595	-0.02767	0.55085	-0.01357	0.76989	0.019897
-0.02356	0.61153	-0.05088	0.27253	-0.03962	0.39293	-0.05254	0.25716	-0.04575
-0.0081	0.86139	-0.02492	0.59121	0.00669	0.88535	0.017425	0.70723	-0.00247
0.001436	0.97532	0.049615	0.28463	-0.03902	0.40024	0.044567	0.33655	-0.1294
-0.01824	0.69428	-0.06414	0.16643	-0.00408	0.9299	-0.02727	0.55667	0.023675
-0.02644	0.56872	-0.00385	0.93393	-0.08466	0.06756	-0.03728	0.42158	0.048997
0.007195	0.87677	-0.08017	0.08351	-0.01615	0.72774	-0.04269	0.35732	-0.03198
0.047038	0.31042	-0.02987	0.51968	-0.03954	0.39396	-0.02591	0.57655	-0.07149

-0.01694	0.71495	-0.069	0.13654	-0.06096	0.18852	-0.02789	0.54765	-0.00158
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0.01336	0.77338	0.002339	0.95979	0.079014	0.08808	0.010928	0.8138	0.030039
-0.04119	0.37447	-0.06956	0.13338	-0.15739	0.00064	-0.00935	0.84036	-0.08097
-0.04901	0.29055	-0.09238	0.04602	-0.01152	0.80392	-0.05673	0.22105	-0.02146
0.000482	0.99171	0.019223	0.67862	-0.02186	0.63754	0.039897	0.38967	0.135931
-0.02624	0.57159	-0.09054	0.05055	-0.09487	0.04043	-0.03712	0.42358	-0.04987
0.137036	0.003	0.090859	0.04973	0.126741	0.00609	0.144447	0.00175	0.103783
0.053859	0.24539	0.041454	0.37142	0.136872	0.00304	0.030202	0.515	0.168947
-0.03622	0.4349	-0.07984	0.08482	-0.10587	0.02212	-0.03064	0.50899	0.026429
0.156031	0.00072	0.021189	0.64788	0.018452	0.69084	0.005398	0.90738	-0.00662
0.052766	0.25511	-0.12842	0.00545	-0.14161	0.00216	-0.13345	0.00386	-0.20513
-0.00297	0.94898	0.038244	0.40963	0.001232	0.97881	0.056463	0.22327	-0.07705
-0.05681	0.22044	0.021836	0.63787	0.033665	0.46798	0.079444	0.08636	0.118387
0.04398	0.34297	-0.0537	0.2468	-0.02036	0.66083	-0.05197	0.26239	0.053075
-0.012	0.79589	0.003899	0.93303	-0.03152	0.49681	-0.00379	0.93494	0.111197
0.05224	0.25989	-0.07479	0.10649	-0.11329	0.0143	-0.04132	0.37293	-0.0395
0.032476	0.48385	-0.1023	0.02706	0.017426	0.70722	-0.09366	0.04306	0.095227
-0.02055	0.65774	0.217201	2.16E-06	0.179733	9.40E-05	0.15012	0.00114	0.168952
-0.00981	0.83257	0.036673	0.42915	0.105261	0.02291	0.129612	0.00503	0.194039
0.098826	0.03275	0.103807	0.02487	0.124622	0.00701	0.066978	0.14842	0.087842
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-0.02596	0.57578	-0.06355	0.17034	-0.04578	0.32359	-0.06837	0.14014	-0.01634
0.038862	0.4021	0.143459	0.00188	0.120906	0.00891	0.125691	0.00653	0.043302
-0.01819	0.69498	-0.03385	0.4655	-0.03397	0.46392	-0.02369	0.60953	-0.01263
0.006149	0.89457	0.040992	0.37678	0.004101	0.92957	0.112381	0.01511	0.038838
-0.03199	0.49041	-0.12327	0.00766	-0.04319	0.35175	-0.08764	0.05844	0.051248
-0.04101	0.37661	0.055671	0.22984	0.112385	0.01511	0.04839	0.2967	0.079366
-0.02339	0.6141	0.024959	0.59057	0.037033	0.42463	0.016264	0.72592	0.01307
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-0.02183	0.63793	0.150769	0.00108	0.109932	0.01748	0.206019	7.18E-06	0.143493
-0.01788	0.69999	-0.02335	0.61473	-0.02511	0.58839	-0.01173	0.80047	-0.03448
0.082467	0.07501	-0.04842	0.29645	-0.0154	0.73987	-0.09711	0.03591	-0.16134
0.056687	0.22144	0.036449	0.43197	0.102784	0.02634	0.003644	0.9374	0.030133
0.045574	0.32574	0.082712	0.07415	-0.06769	0.14414	0.010374	0.82308	-0.12696
0.01312	0.77735	0.02364	0.61036	0.161253	0.00047	0.031411	0.49832	0.015684
-0.03378	0.46647	0.066147	0.15352	0.098694	0.03298	0.089996	0.05195	0.123243
0.054223	0.24221	0.039767	0.39121	0.165943	0.00032	0.023916	0.60619	-0.00124
0.001853	0.96815	-0.02559	0.58117	0.03935	0.39621	-0.04663	0.31466	-0.01872
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-0.00962	0.8358	-0.00932	0.84076	0.002643	0.95457	0.021249	0.64695	0.007755
-0.03243	0.48442	-0.02484	0.5923	-0.02428	0.60065	-0.0436	0.34714	0.038058
-0.01824	0.69426	-0.02291	0.62144	-0.00597	0.89767	-0.05389	0.24508	-0.00467
0.061217	0.18663	0.067856	0.14315	0.074125	0.10965	-0.06974	0.13233	-0.04953
0.007006	0.87999	0.047234	0.30841	0.011749	0.80009	-0.01182	0.79891	0.024512



-0.01896	0.68283	0.017705	0.70275	0.036278	0.43414	0.05482	0.23706	-0.03694
0.048486	0.29574	-0.07719	0.09569	0.008106	0.86131	-0.11771	0.01091	0.025121
0.018402	0.69163	0.122371	0.00811	0.088903	0.05488	0.084801	0.06711	0.077619
0.028662	0.53667	0.030667	0.50855	0.075406	0.10364	0.024012	0.60475	-0.08734
0.029553	0.52408	-0.03843	0.40732	-0.0213	0.64619	-0.04325	0.35101	-0.00688
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0.00231	0.96029	0.073375	0.1133	0.041722	0.36834	0.035421	0.44509	0.038967
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0.056853	0.22008	-0.02847	0.53937	-0.05035	0.27757	-0.01589	0.73197	0.075709
0.045318	0.32847	0.052896	0.25394	-0.00647	0.88917	0.007586	0.87012	-0.0509
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0.046254	0.31856	-0.08445	0.06826	-0.01189	0.79775	-0.13439	0.00362	0.023366
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0.007811	0.8663	0.050286	0.27816	0.02855	0.53826	0.013507	0.77096	-0.04398
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0.083226	0.07236	0.181957	7.66E-05	0.080615	0.08181	0.08989	0.05223	0.112441
0.00406	0.93027	-0.13595	0.00324	-0.17686	0.00012	-0.11493	0.01294	0.078143
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0.016994	0.71416	-0.01869	0.68703	-0.01986	0.66862	-0.04102	0.37647	0.016136
0.047732	0.30333	-0.06263	0.17664	-0.03745	0.41948	-0.05878	0.20482	0.016335
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0.008384	0.8566	0.162118	0.00044	-0.01691	0.71556	0.055541	0.23093	-0.23646
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0.014524	0.75424	-0.03041	0.51208	-0.02088	0.65269	-0.0217	0.64003	0.033323
0.012878	0.78134	-0.03333	0.47248	-0.04706	0.31024	-0.0375	0.41876	-0.11712
0.01286	0.78164	0.085513	0.06484	-0.05317	0.25151	0.044438	0.33796	-0.10901
0.098672	0.03302	-0.04571	0.32432	0.096166	0.03776	0.05241	0.25833	0.180341
0.040287	0.38505	0.074179	0.10939	-0.01208	0.79453	0.012158	0.79328	-0.06972
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0.055607	0.23038	0.04541	0.32748	0.030236	0.51452	0.052854	0.25432	0.053682
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0.141608	0.00216	0.055561	0.23076	0.093268	0.04395	0.07807	0.09196	0.014245
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0.105781	0.02224	0.043289	0.3506	0.063367	0.1716	0.004663	0.91994	0.008359

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0.015405	0.73986	-0.08768	0.0583	-0.01271	0.78413	-0.02093	0.65192	0.000779
0.255631	2.11E-08	0.102771	0.02636	0.19751	1.71E-05	0.14902	0.00124	0.076847
0.120288	0.00927	0.176864	0.00012	0.088683	0.05548	0.103979	0.02464	0.038997
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0.004813	0.91739	-0.02227	0.63117	0.074149	0.10954	-0.02132	0.64585	-0.0583
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-0.01087	0.81477	0.011219	0.80894	-0.03767	0.41664	-0.03559	0.44287	-0.05595
0.042776	0.35635	-0.08916	0.05419	-0.01718	0.71111	-0.02198	0.63569	0.091211
0.039348	0.39623	-0.14904	0.00124	-0.0544	0.24067	-0.19062	3.38E-05	0.01018
0.009087	0.84472	0.142569	0.00201	0.072851	0.11591	0.082511	0.07486	0.020614
0.16583	0.00032	0.090931	0.04955	0.169633	0.00023	0.084312	0.0687	0.18009
0.020124	0.66446	-0.0243	0.60039	-0.07895	0.08833	-0.01305	0.77847	-0.11383
0.075821	0.10174	0.00054	0.99071	-0.05615	0.22585	-0.04655	0.31551	-0.1483
-0.04089	0.37803	-0.08757	0.05863	-0.0531	0.25212	-0.08767	0.05833	-0.05862
0.029266	0.52812	-0.0059	0.89873	-0.07862	0.0897	-0.02999	0.51793	-0.02726
-0.04198	0.36542	-0.07011	0.13033	-0.09799	0.03426	-0.01943	0.67531	-0.02949
-0.0133	0.77433	-0.01231	0.7908	-0.07257	0.11732	-0.02294	0.62091	-0.07643
0.068354	0.14024	0.014408	0.75615	0.000934	0.98395	0.011728	0.80044	0.02706
0.033628	0.46847	0.005259	0.90976	-0.09557	0.03897	-0.04117	0.37473	-0.02316
-0.05599	0.22722	-0.04638	0.31729	0.037713	0.41617	-0.02089	0.65254	0.126105
0.153488	0.00088	-0.03344	0.47099	0.140861	0.00228	0.057331	0.21622	0.129242
-0.0409	0.37785	0.015019	0.74616	-0.08116	0.07977	0.012588	0.78616	0.059216
-0.05302	0.25281	-0.07697	0.09664	-0.23859	1.81E-07	-0.07689	0.09701	-0.06417
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0.209923	4.75E-06	0.010622	0.81892	0.000491	0.99155	-0.0132	0.77597	-0.03026
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0.005282	0.90937	-0.03757	0.41789	-0.02489	0.59163	-0.06562	0.15684	0.006501
0.031299	0.49985	-0.02055	0.65786	-0.02831	0.54167	0.053003	0.25298	0.149279
0.062238	0.17938	0.044189	0.34068	0.047439	0.30631	-0.01112	0.81061	0.127893
-0.0033	0.94327	-0.1138	0.01387	-0.08304	0.07301	-0.11804	0.01068	-0.01766
0.079808	0.08493	0.091518	0.04809	0.040668	0.38057	0.131407	0.00445	0.087425
-0.05246	0.25787	-0.08233	0.07549	-0.16814	0.00026	-0.04319	0.35175	0.051577
-0.02556	0.5817	-0.09436	0.04153	-0.12387	0.00736	-0.09963	0.03135	-0.0977
0.045822	0.32311	-0.06867	0.13843	-0.10816	0.01939	-0.08188	0.0771	-0.05963
0.003394	0.94169	-0.03887	0.40204	-0.02912	0.53022	-0.03299	0.47695	-0.0274
0.017758	0.7019	-0.01581	0.73325	0.029401	0.52621	0.042168	0.36324	0.118711
0.065311	0.1588	0.005939	0.89815	-0.00886	0.84862	0.042849	0.35553	0.141647
0.050562	0.27553	0.076919	0.09687	0.15135	0.00103	0.043042	0.35336	-0.0115
0.055946	0.22754	0.307304	1.14E-11	0.274666	1.58E-09	0.366458	2.74E-16	0.321066
-0.09477	0.04066	-0.07914	0.08759	-0.19861	1.53E-05	-0.11726	0.01121	0.037805
-0.0701	0.13037	-0.05404	0.24377	-0.041	0.3767	-0.01977	0.66994	0.128296
0.020701	0.65546	0.097822	0.03457	0.134879	0.0035	0.021291	0.64629	0.017058
0.026867	0.56248	-0.0501	0.27997	-0.01908	0.68082	-0.06676	0.14974	-0.0152
0.058474	0.20719	-0.02189	0.63707	-0.10945	0.01798	-0.03594	0.43847	-0.09543

0.021745	0.63927	-0.01265	0.78509	-0.02518	0.58735	0.031755	0.49362	-0.06566
-0.09741	0.03535	-0.09854	0.03326	-0.12242	0.00809	-0.04659	0.31504	0.074315
-0.0676	0.14469	-0.20617	7.07E-06	-0.19577	2.04E-05	-0.24078	1.39E-07	-0.08126
0.10267	0.02651	-0.05414	0.24292	-0.02292	0.6212	0.049727	0.28354	0.28279
-0.00928	0.84149	0.111263	0.01615	0.077074	0.09619	0.117343	0.01116	0.070663
-0.1105	0.01691	0.031065	0.50306	-0.05559	0.23052	0.045199	0.32973	0.251306
-0.0735	0.1127	0.113605	0.01403	-0.00716	0.87742	0.091867	0.04724	0.153277
-0.02068	0.65579	0.190895	3.29E-05	0.106624	0.02119	0.269312	3.34E-09	0.132873
0.029986	0.51801	0.063967	0.16757	0.006855	0.88254	0.119039	0.01003	0.146485
-0.0742	0.1093	0.180836	8.50E-05	0.047938	0.30125	0.240589	1.42E-07	0.120367
-0.05424	0.24206	-0.05502	0.23532	-0.09173	0.04757	0.022531	0.62721	0.080867
0.074429	0.1082	0.030181	0.51529	0.00993	0.83054	0.091644	0.04778	6.30E-06
-0.0245	0.5974	0.202532	1.03E-05	0.167796	0.00027	0.337367	6.80E-14	0.238554
-0.02442	0.59865	0.192012	2.95E-05	0.178148	0.00011	0.282733	4.94E-10	0.18749
-0.01697	0.71452	0.219947	1.59E-06	0.181117	8.28E-05	0.290714	1.51E-10	0.194925
0.010006	0.82926	0.19917	1.45E-05	0.172648	0.00018	0.265541	5.61E-09	0.146797
-0.15029	0.00112	-0.04461	0.33613	-0.15979	0.00053	-0.02343	0.61358	-0.0275
-0.09377	0.04282	0.072132	0.11956	-0.11497	0.01291	-0.00745	0.87236	-0.08065
-0.00011	0.99803	-0.03822	0.40988	0.022674	0.62502	0.001983	0.96591	0.078031
-0.01086	0.81491	-0.00675	0.88431	-0.01997	0.66681	-0.01625	0.72615	0.014955
0.099501	0.03157	-0.04298	0.35404	-0.03206	0.48949	-0.04498	0.33208	0.1681
-0.08516	0.06596	-0.16378	0.00038	-0.14235	0.00204	-0.08064	0.0817	0.105971
-0.01361	0.76922	-0.10935	0.01809	-0.00174	0.97017	-0.12172	0.00846	-0.01672
0.007905	0.86472	-0.00696	0.88075	0.005339	0.9084	-0.02939	0.52642	-0.08353
-0.02349	0.61263	-0.13509	0.00345	-0.13071	0.00467	-0.17842	0.00011	0.110204
-0.12771	0.00572	-0.14627	0.00153	-0.21377	3.14E-06	-0.10357	0.02521	-0.17625
-0.03153	0.49672	0.040562	0.38181	-0.11054	0.01686	0.072682	0.11676	0.11239
0.036599	0.43008	0.056324	0.22441	-0.1313	0.00448	-0.00931	0.84101	0.017284
0.141384	0.00219	0.194399	2.34E-05	0.08192	0.07697	0.122796	0.00789	0.020458
0.064387	0.16479	-0.03742	0.41981	-0.0207	0.6555	-0.15292	0.00092	-0.14293
-0.11094	0.01647	-0.04608	0.32037	-0.07693	0.09683	0.00025	0.9957	0.227278
0.091704	0.04764	0.014039	0.76221	0.019706	0.67101	0.04503	0.33155	0.053883
-0.04088	0.37804	0.165672	0.00032	0.113892	0.01379	0.230029	5.03E-07	0.114146
-0.092	0.04692	-0.21354	3.22E-06	-0.13647	0.00313	-0.1882	4.26E-05	0.069745
-0.01101	0.81241	0.212109	3.76E-06	0.077603	0.09393	0.212772	3.50E-06	0.035719
0.046566	0.3153	-0.05046	0.2765	-0.01743	0.70707	0.079875	0.08466	0.183175
0.145356	0.00164	0.017715	0.70259	-0.0319	0.4916	0.061004	0.18817	-0.09508
-0.14584	0.00158	-0.16021	0.00051	-0.10026	0.03029	-0.19288	2.71E-05	-0.11997
0.000853	0.98533	0.018878	0.68408	0.146134	0.00154	0.063334	0.17183	0.20613
0.019067	0.68109	0.078311	0.09095	0.084074	0.06949	-0.00854	0.85394	-0.06113
0.065752	0.156	0.047652	0.30414	0.065354	0.15853	0.011469	0.80476	0.069055
-0.04153	0.37057	-0.04475	0.33459	-0.01283	0.78211	-0.06388	0.16817	0.108939
0.025299	0.58552	-0.06133	0.18582	-0.0797	0.08535	-0.01144	0.80518	-0.01905
0.019719	0.67081	-0.05528	0.23317	-0.08193	0.07694	-0.00988	0.83138	-0.03494
-0.04573	0.32411	0.00624	0.89302	-0.04657	0.31529	-0.04961	0.28465	-0.08505

-0.01413	0.76076	-0.00918	0.84316	0.042831	0.35573	-0.00441	0.92429	0.088151
0.144258	0.00178	0.096009	0.03808	0.081052	0.08016	0.03261	0.48205	0.043952
0.050179	0.27918	0.16259	0.00042	0.24794	5.68E-08	0.146405	0.00151	0.165519
-0.10322	0.02571	-0.14477	0.00171	-0.13837	0.00273	-0.21437	2.95E-06	-0.13086
0.044584	0.33637	-0.09721	0.03573	-0.06461	0.1633	-0.05237	0.25867	0.143208
0.011478	0.80461	-0.05202	0.26188	-0.01924	0.67831	-0.00051	0.99128	0.09327
0.136267	0.00317	-0.02046	0.6592	0.057402	0.21565	-0.00683	0.88305	0.22164
0.06838	0.14009	-0.0574	0.2157	0.064259	0.16563	-0.06983	0.13185	0.121862
0.007115	0.87813	-0.03198	0.4906	-0.16365	0.00038	0.003438	0.94092	0.04194
0.141048	0.00225	0.038155	0.41072	0.244126	9.17E-08	0.15812	0.0006	0.280775
0.049608	0.2847	-0.01347	0.7715	-0.00433	0.92565	0.012161	0.79324	0.086994
0.0682	0.14113	-0.03683	0.42719	0.002138	0.96324	-0.06089	0.18897	-0.02795
0.087372	0.0592	-0.04926	0.28812	0.004491	0.9229	0.004502	0.9227	0.098984
-0.07955	0.08595	-0.0772	0.09563	-0.0589	0.20389	-0.10984	0.01757	-0.00804
-0.01333	0.77386	-0.25391	2.64E-08	-0.15282	0.00092	-0.24358	9.81E-08	-0.0083
-0.0824	0.07525	-0.17073	0.00021	-0.26449	6.47E-09	-0.09239	0.046	0.078624
0.019645	0.67197	0.035207	0.44783	0.034475	0.45734	0.117301	0.01119	0.161885
-0.0635	0.1707	0.102408	0.0269	0.015223	0.74283	0.07151	0.12279	-0.05068
-0.12105	0.00883	-0.14059	0.00233	-0.14783	0.00136	0.02639	0.56945	0.12731
-0.09555	0.03902	-0.21887	1.79E-06	-0.15251	0.00095	-0.18894	3.97E-05	-0.01312
0.012071	0.79474	-0.0671	0.14765	-0.06141	0.18522	-0.07249	0.11772	0.063178
-0.00402	0.93093	-0.00919	0.84298	0.033454	0.47077	0.041271	0.37354	0.162096
0.016642	0.71983	-0.05844	0.20746	0.063423	0.17123	-0.06466	0.16302	0.153326
0.01656	0.72114	0.166817	0.00029	0.146107	0.00155	0.118692	0.01025	-0.02072
-0.13321	0.00393	-0.02948	0.52515	-0.07676	0.09757	-0.00512	0.91217	0.051935
0.072807	0.11613	-0.06176	0.18273	0.007098	0.87841	0.015118	0.74455	0.231342
0.046215	0.31898	-0.02874	0.53551	0.0439	0.34384	0.007184	0.87695	0.138855
0.098156	0.03396	0.160226	0.00051	0.062807	0.17543	0.049081	0.28985	-0.17502
0.099322	0.03188	-0.12521	0.00674	-0.11391	0.01378	-0.10217	0.02726	0.115504
-0.07408	0.10989	-0.02673	0.56446	0.059371	0.2003	-0.00781	0.86639	0.065926
-0.09428	0.0417	0.002583	0.9556	-0.10084	0.02935	0.037869	0.41424	-0.0454
-0.11427	0.01348	-0.10236	0.02697	-0.16203	0.00044	-0.01875	0.68616	-0.00324
-0.12496	0.00686	-0.24394	9.38E-08	-0.18397	6.36E-05	-0.17489	0.00015	0.080324
0.107414	0.02025	0.01745	0.70683	-0.00768	0.86851	-0.025	0.59003	0.024156
0.00878	0.84991	-0.17925	9.83E-05	-0.17678	0.00012	-0.18839	4.19E-05	-0.03076
0.025092	0.58859	-0.16414	0.00037	-0.08776	0.05808	-0.23602	2.47E-07	-0.00386
-0.02913	0.53004	-0.19896	1.48E-05	-0.19149	3.10E-05	-0.18726	4.66E-05	0.023027
0.037703	0.4163	-0.19186	2.99E-05	-0.03945	0.395	-0.1261	0.00636	0.111994
-0.00726	0.87561	0.136629	0.00309	0.146965	0.00145	0.124958	0.00686	0.01972
0.048386	0.29674	0.017595	0.70451	0.064324	0.16521	0.048185	0.29876	0.070317
-0.01472	0.75107	-0.03092	0.50507	-0.00059	0.98988	0.009836	0.83211	0.094414
0.078335	0.09086	-0.01343	0.77225	0.071282	0.12399	-0.03328	0.47305	-0.03976
-0.07014	0.13014	-0.10022	0.03035	-0.18645	5.04E-05	-0.18962	3.72E-05	-0.24439
0.088497	0.056	0.003566	0.93873	0.079746	0.08517	0.038619	0.40505	0.035536
-0.06783	0.14333	-0.16436	0.00036	-0.16036	0.0005	-0.16708	0.00029	-0.10586

0.090694	0.05015	0.306339	1.33E-11	0.272075	2.27E-09	0.210457	4.49E-06	0.273284
0.00601	0.89694	-0.07502	0.10541	-0.05178	0.26414	-0.0681	0.14171	-0.00893
0.024695	0.59451	-0.04211	0.36385	-0.04339	0.34945	-0.06666	0.15036	0.005985
-0.01932	0.67716	0.007463	0.87221	0.014102	0.76118	-0.00666	0.8858	0.067602
0.111026	0.01638	0.256864	1.79E-08	0.262604	8.35E-09	0.362923	5.51E-16	0.065156
0.072921	0.11555	0.015558	0.73738	0.042242	0.36239	0.009332	0.84059	-0.07149
0.001443	0.97519	-0.01156	0.80325	-0.00119	0.97958	0.014082	0.76149	-0.09908
-8.71E-05	0.9985	-0.03631	0.43372	0.003524	0.93946	-0.00877	0.85008	-0.04413
0.043276	0.35075	0.217006	2.21E-06	0.169986	0.00022	0.136275	0.00317	-0.01249
0.013337	0.77376	0.262492	8.48E-09	0.276243	1.26E-09	0.300273	3.47E-11	0.187761
0.0254	0.58402	-0.01093	0.81375	0.066371	0.15214	-0.01839	0.69186	0.024776
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-0.00832	0.8577	0.023971	0.60537	0.024997	0.59001	0.034392	0.45842	0.078638
0.005024	0.91377	-0.04205	0.36461	-0.01613	0.72806	-0.04192	0.36608	0.019003
0.083702	0.07074	0.198054	1.62E-05	0.353621	3.35E-15	0.226475	7.60E-07	0.20871
0.212841	3.48E-06	0.219186	1.73E-06	0.149055	0.00124	0.265091	5.97E-09	0.020511
0.093056	0.04444	0.025496	0.5826	0.114733	0.0131	-0.05107	0.27077	0.168999
-0.0339	0.46494	0.111842	0.0156	-0.00365	0.93731	0.110824	0.01658	0.089731
-0.00855	0.85379	0.034696	0.45446	0.034914	0.45162	0.082867	0.07361	0.006321
-0.06951	0.13362	-0.04105	0.37615	-0.04915	0.28917	-0.11941	0.0098	0.027407
0.078096	0.09185	0.101889	0.02769	0.12339	0.0076	0.085238	0.0657	0.056122
-0.06026	0.19363	-0.04629	0.31823	-0.09412	0.04204	0.017748	0.70205	0.096261
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0.004645	0.92026	-0.00816	0.86042	0.032976	0.47714	-0.00806	0.86203	-0.07263
0.022909	0.62144	-0.07169	0.12184	-0.05592	0.22776	-0.08555	0.06473	-0.04628
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0.02284	0.62249	-0.01413	0.76068	0.04321	0.35149	-0.0274	0.55475	0.090075
0.060708	0.19033	0.051752	0.26437	0.075149	0.10482	0.054246	0.24201	0.030077
-0.00304	0.94779	-0.04652	0.31581	-0.00842	0.856	-0.00884	0.84885	0.132137
0.088202	0.05682	-0.0354	0.44535	-0.01075	0.81678	-0.04911	0.28957	-0.0368
-0.03104	0.5034	-0.15085	0.00108	-0.11758	0.011	-0.04183	0.36704	0.153537
-0.03046	0.51135	-0.15494	0.00078	-0.12125	0.00872	-0.17281	0.00017	-0.04956
-0.08621	0.06268	-0.18359	6.59E-05	-0.06046	0.19216	-0.19654	1.89E-05	-0.05248
0.030024	0.51749	-0.12211	0.00825	-0.05151	0.26663	-0.06143	0.18509	0.077529
0.151185	0.00105	0.155994	0.00072	0.309427	8.07E-12	0.097637	0.03492	0.066772
0.11181	0.01563	0.15005	0.00114	0.094095	0.04211	0.135949	0.00324	0.05588
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-0.02873	0.53565	0.080078	0.08387	-0.08973	0.05265	0.078954	0.08832	-0.09872
0.042505	0.35941	-0.11894	0.01009	-0.03133	0.49946	-0.11695	0.01143	0.120573
-0.06002	0.19539	0.046859	0.31227	-0.14788	0.00135	-0.03586	0.43943	-0.29384
-0.06184	0.18221	-0.07233	0.11856	-0.24304	1.05E-07	-0.13808	0.00279	-0.11554
0.048352	0.29709	0.107687	0.01993	0.065871	0.15525	0.155592	0.00074	0.162573
0.01003	0.82885	0.010757	0.81666	-0.0148	0.74979	0.026826	0.56308	0.137666

0.00905	0.84535	-0.07542	0.10355	-0.03425	0.46025	-0.09372	0.04295	-0.00347
0.055463	0.23159	0.110835	0.01657	0.210868	4.30E-06	0.121753	0.00844	0.266309
0.131361	0.00446	0.225616	8.39E-07	0.153699	0.00086	0.311099	6.14E-12	0.116697
0.043169	0.35194	0.078377	0.09068	0.158347	0.00059	0.070082	0.13046	0.104969
-0.03058	0.5098	-0.02789	0.54775	0.030325	0.51329	0.033773	0.46655	-0.00863
0.203032	9.78E-06	0.043311	0.35036	-0.01752	0.70573	0.065489	0.15767	-0.03354
-0.02504	0.58931	0.058504	0.20696	0.093343	0.04378	0.000567	0.99025	-0.06821
-0.00734	0.87425	-0.11934	0.00984	-0.05454	0.23944	-0.1642	0.00037	-0.04084
0.033112	0.47533	0.006828	0.883	-0.03937	0.39593	-0.00025	0.99576	-0.07061
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-0.00443	0.92397	-0.02081	0.65378	-0.0283	0.54178	-0.1222	0.0082	-0.11561
0.014721	0.75103	-0.09789	0.03445	-0.06852	0.13926	-0.12366	0.00746	-0.1259
-0.07153	0.12268	-0.20612	7.10E-06	-0.16241	0.00043	-0.07815	0.09161	0.092073
0.012458	0.7883	-0.09595	0.03819	-0.00874	0.85065	-0.09266	0.04535	0.020888
0.08531	0.06548	-0.01389	0.76468	0.077766	0.09324	-0.02143	0.64409	0.11422
-0.03404	0.46301	0.15971	0.00053	-0.00652	0.88823	0.106995	0.02074	-0.17045
0.043837	0.34454	0.049847	0.28239	-0.04817	0.29894	0.040462	0.38299	0.004533
-0.05992	0.19615	-0.1686	0.00025	-0.09534	0.03945	-0.18977	3.67E-05	0.005197
-0.04374	0.34563	-0.03535	0.44604	0.013593	0.76954	-0.02603	0.57474	0.009194
0.044704	0.33507	-0.03921	0.39795	-0.03242	0.48458	-0.04698	0.31103	-0.013
-0.03384	0.46567	-0.0185	0.69003	0.055816	0.22863	-0.04238	0.36079	0.013094
0.005855	0.89958	-0.01752	0.70579	-0.02423	0.60146	-0.04722	0.3085	0.007105
-0.01357	0.76996	-0.05355	0.2481	-0.07084	0.12635	-0.08257	0.07463	-0.01231
0.055852	0.22833	0.038226	0.40985	-0.03545	0.4447	0.017661	0.70345	-0.05068
-0.09529	0.03954	-0.00478	0.91802	-0.16585	0.00032	-0.05074	0.27388	-0.10054
0.001522	0.97383	-0.0667	0.15012	-0.08536	0.06532	-0.02693	0.56152	0.052296
-0.06255	0.17721	-0.14433	0.00177	-0.11345	0.01417	-0.1234	0.00759	0.191455
-0.0334	0.47151	-0.02889	0.53342	-0.0911	0.04913	-0.06889	0.13712	0.045953
-0.01882	0.68505	-0.03835	0.40829	-0.02255	0.62686	0.02787	0.54798	0.169377
0.042439	0.36016	0.332527	1.61E-13	0.249028	4.95E-08	0.315556	2.95E-12	0.114204
0.062052	0.18069	-0.05345	0.24904	0.014297	0.75797	-0.02971	0.52183	-0.01552
0.025939	0.57607	-0.03068	0.50832	-0.09492	0.04033	-0.09528	0.03957	-0.13252
0.007669	0.86872	0.059358	0.20039	0.100866	0.0293	0.182085	7.57E-05	0.046376
0.09119	0.0489	0.037194	0.42261	0.056483	0.22311	0.045999	0.32124	0.026258
-0.03157	0.49614	-0.10672	0.02108	-0.09234	0.0461	-0.03527	0.44702	0.087355
0.020349	0.66095	-0.10889	0.01859	-0.04601	0.32115	-0.1195	0.00974	-0.03098
0.110243	0.01716	-0.06293	0.17458	-0.06062	0.19095	-0.0565	0.22295	0.058414
0.092337	0.04612	0.018905	0.68365	-0.06772	0.14399	0.083647	0.07093	0.1917
0.004821	0.91725	0.098818	0.03276	-0.07929	0.08698	0.167532	0.00028	-0.00471
0.042577	0.35859	0.026178	0.57256	-0.0129	0.781	0.037123	0.4235	0.03206
0.102221	0.02718	-0.0955	0.03911	-0.02721	0.55755	-0.0817	0.07776	0.019016
0.100347	0.03015	-0.01398	0.76319	0.023345	0.61481	0.046692	0.31399	0.131034
-0.00455	0.92191	-0.11617	0.012	-0.06315	0.17305	-0.09168	0.04768	0.008631
0.043483	0.34845	-0.07326	0.11387	-0.0237	0.60949	-0.06954	0.13345	0.068469
0.002682	0.9539	0.024637	0.59538	0.008539	0.85398	0.034973	0.45087	0.11564

-0.0353	0.44666	-0.14327	0.00191	-0.09516	0.03983	-0.21534	2.65E-06	-0.16107
-0.00033	0.99441	0.03872	0.40382	0.042002	0.36512	0.035244	0.44736	0.165229
0.051828	0.26367	0.150004	0.00115	0.108573	0.01893	0.188991	3.95E-05	0.16729
0.135889	0.00326	0.138466	0.00271	0.262298	8.71E-09	0.150792	0.00108	0.221995
-0.00428	0.92647	-0.05013	0.27961	-0.09183	0.04734	-0.11206	0.0154	0.029907
-0.05823	0.2091	-0.09798	0.03427	-0.00235	0.95956	-0.10992	0.01749	0.198628
0.120295	0.00927	0.094185	0.04191	0.110336	0.01707	0.063556	0.17032	0.097452
0.160576	0.0005	0.029222	0.52873	0.099869	0.03094	0.048507	0.29553	0.049219
0.002614	0.95507	-0.0586	0.20623	-0.03195	0.49103	0.026253	0.57145	0.00835
0.203668	9.16E-06	0.338537	5.50E-14	0.254016	2.60E-08	0.32957	2.71E-13	0.258629
0.059863	0.19658	0.041397	0.37208	0.034015	0.46337	0.054695	0.23813	0.016842
-0.01094	0.81355	-0.06424	0.16576	-0.04695	0.31134	-0.14534	0.00164	-0.0545
0.000102	0.99825	-0.13468	0.00355	-0.10966	0.01776	-0.09689	0.03634	0.079142
0.25958	1.25E-08	-0.00484	0.917	0.090165	0.05151	0.068965	0.13672	0.082459
-0.01891	0.68356	-0.02428	0.60068	0.039395	0.39567	-0.12213	0.00824	-0.17106
0.126255	0.00629	0.010547	0.82017	0.174687	0.00015	0.101103	0.02892	0.235385
0.100734	0.02951	0.090102	0.05167	0.102734	0.02642	0.016182	0.72725	-0.08406
0.009278	0.8415	0.171792	0.00019	0.070539	0.12797	0.208701	5.41E-06	0.088018
0.034424	0.458	-0.06277	0.17569	-0.04497	0.33221	0.000185	0.99681	0.032511
-0.06385	0.16838	-0.15041	0.00111	-0.06818	0.14123	-0.14104	0.00225	0.000553
0.131503	0.00442	0.144544	0.00174	0.122782	0.0079	0.129941	0.00492	-0.00475
0.077347	0.09502	-0.00305	0.94762	-0.066	0.15444	-0.01336	0.77342	-0.01746
-0.01773	0.70228	-0.10359	0.02518	-0.02939	0.52638	-0.05822	0.20915	0.187951
0.024496	0.59749	0.136276	0.00317	-0.03208	0.48924	0.144622	0.00173	-0.02142
0.107295	0.02039	0.057076	0.21828	0.011419	0.8056	0.09795	0.03433	0.120709
0.16097	0.00048	0.025791	0.57824	0.086896	0.06061	0.056028	0.22687	0.037314
0.089816	0.05242	0.06856	0.13905	-0.01713	0.712	-0.02532	0.58528	-0.08259
0.02359	0.61111	0.008084	0.86168	0.015147	0.74407	-0.06725	0.14674	0.05671
0.403857	9.52E-20	0.134637	0.00356	0.136846	0.00304	0.144181	0.00179	-0.00616
0.160551	0.0005	0.211221	4.14E-06	0.234091	3.11E-07	0.227333	6.88E-07	0.013175
0.000483	0.9917	-0.10936	0.01808	-0.05284	0.25446	-0.20107	1.20E-05	-0.07756
-0.11474	0.0131	-0.12058	0.0091	-0.13633	0.00316	-0.14725	0.00142	0.066835
0.018107	0.69633	-0.11544	0.01255	-0.04759	0.30479	-0.0812	0.07963	-0.13814
-0.12757	0.00577	0.001669	0.97131	-0.13383	0.00376	0.002634	0.95473	0.08349
0.048215	0.29846	0.074842	0.10625	-0.04571	0.32432	-0.0093	0.84121	-0.04031
-0.06822	0.14104	-0.06264	0.17658	-0.09094	0.04952	-0.13877	0.00265	-0.11734
-0.10723	0.02046	-0.02223	0.63189	-0.03189	0.49172	0.080396	0.08265	0.080929
0.038341	0.40844	0.121652	0.0085	0.023803	0.60789	0.162614	0.00042	0.092945
0.162879	0.00041	0.282609	5.03E-10	0.06091	0.18885	0.141569	0.00217	-0.03663
0.05177	0.2642	0.094265	0.04173	-0.00045	0.99227	0.101779	0.02786	-0.04792
-0.01956	0.67335	0.000609	0.98953	-0.08335	0.07194	-0.06782	0.14336	-0.14858
0.069401	0.13425	0.046252	0.31858	0.005715	0.90197	0.024852	0.59217	0.01954
0.088208	0.05681	-0.09772	0.03475	-0.07447	0.10802	-0.07093	0.12586	0.153211
0.065051	0.16047	-0.01211	0.79414	0.024796	0.593	-0.02179	0.63866	-0.01356
0.013766	0.76669	0.018058	0.6971	0.114673	0.01315	0.041738	0.36815	-0.02714

-0.03609	0.43646	-0.18165	7.89E-05	-0.06139	0.18541	-0.15852	0.00059	0.083107
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0.067419	0.14575	0.032043	0.48971	-0.0881	0.0571	0.089009	0.05458	0.161447
0.067617	0.14457	-0.01035	0.82347	0.022628	0.62572	-0.02658	0.5666	-0.05492
0.193732	2.49E-05	0.167225	0.00028	0.232951	3.57E-07	0.310907	6.34E-12	0.185691
-0.04211	0.36394	-0.10586	0.02213	-0.21086	4.30E-06	-0.06026	0.19363	-0.07684
0.029379	0.52653	-0.12879	0.00531	0.007575	0.87031	-0.15249	0.00095	0.131211
0.051787	0.26405	-0.04942	0.28657	-0.09111	0.0491	-0.04838	0.29682	-0.09141
0.11168	0.01576	-0.03591	0.4388	0.01573	0.73458	-0.03738	0.42034	0.086492
0.10825	0.01929	-0.03291	0.47803	0.06571	0.15627	0.005589	0.90412	0.092296
-0.01214	0.79362	-0.04371	0.34597	-0.05836	0.20806	0.021723	0.63961	0.136582
0.04245	0.36003	-0.0504	0.27707	-0.05186	0.2634	-0.05349	0.24867	-0.02877
0.064482	0.16417	-0.01508	0.74519	0.087999	0.0574	-0.01895	0.6829	-0.00728
0.062688	0.17625	-0.05297	0.2533	-0.12221	0.0082	-0.04074	0.37977	0.002971
-0.08044	0.08247	0.046156	0.31959	0.004165	0.92847	0.122439	0.00808	0.034886
0.048986	0.29079	0.086503	0.06179	0.130937	0.00459	0.055609	0.23037	-0.05159
0.029979	0.51811	-0.0379	0.41384	-0.04372	0.34581	-0.08517	0.06591	-0.12578
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-0.06573	0.15612	0.007599	0.86991	0.091139	0.04903	0.019407	0.67572	0.180286
0.036502	0.43131	0.208311	5.64E-06	0.148498	0.00129	0.263378	7.53E-09	0.123552
0.004634	0.92045	0.003329	0.94281	-0.07635	0.09936	-0.01946	0.67488	-0.15305
0.049637	0.28441	-0.04388	0.34407	0.045354	0.32808	0.015402	0.73992	0.09436
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0.054631	0.23868	0.009654	0.83517	0.0655	0.1576	-0.06129	0.18611	-0.04308
0.046176	0.31938	0.291612	1.32E-10	0.21629	2.39E-06	0.25708	1.74E-08	0.116902
-0.01741	0.70744	-0.03935	0.39622	-0.0477	0.3037	0.02212	0.63351	0.0322
-0.01579	0.73367	0.080753	0.08129	-0.07084	0.12635	0.110974	0.01643	-0.00657
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0.2327	3.67E-07	0.032318	0.48598	-0.00585	0.89958	0.036527	0.43099	0.096101
0.048444	0.29616	-0.01968	0.67136	0.127028	0.00598	-0.00663	0.8864	0.05525
0.066814	0.14941	0.051163	0.26985	0.055839	0.22844	0.040195	0.38613	0.085999
-0.12146	0.0086	-0.20644	6.86E-06	-0.20259	1.02E-05	-0.18108	8.31E-05	-0.11833
0.028753	0.53538	0.158615	0.00058	0.059022	0.20295	0.241322	1.30E-07	-0.02655
0.118517	0.01037	0.111306	0.01611	0.203673	9.16E-06	0.251029	3.83E-08	0.30666
0.085768	0.06404	-0.07007	0.13054	0.034006	0.46349	-0.04395	0.34327	0.101323
0.11811	0.01063	0.033948	0.46424	0.026957	0.56118	-0.03712	0.42358	-0.09742
-0.01577	0.73396	-0.03045	0.51153	-0.02833	0.54136	-0.05658	0.22228	0.086545
-0.00098	0.98307	0.108375	0.01915	0.012315	0.79068	0.169809	0.00023	0.132909
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0.047373	0.30699	0.010654	0.81839	-0.07992	0.08448	0.024366	0.59942	0.04609
0.031616	0.49551	0.148302	0.00131	0.14077	0.0023	0.228098	6.30E-07	0.087638
0.056512	0.22286	-0.01571	0.73497	0.034838	0.45261	-0.0435	0.34827	0.01364
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0.039688	0.39217	-0.14512	0.00166	-0.10451	0.02391	-0.10519	0.023	0.189
0.070732	0.12693	-0.04046	0.38296	-0.05139	0.26774	-0.0131	0.77775	0.066636



0.031213	0.50102	-0.11926	0.00989	-0.00186	0.96798	-0.07128	0.12402	0.17867
0.054663	0.2384	-0.0527	0.25571	-0.01718	0.7111	-0.07507	0.10518	-0.04301
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0.072482	0.11777	0.010523	0.82058	-0.01552	0.73797	-0.01613	0.72813	0.042432
0.036849	0.42694	-0.04432	0.33923	0.018329	0.6928	-0.0456	0.32543	-0.01877
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0.240034	1.52E-07	-0.09813	0.034	-0.03264	0.4816	-0.02582	0.57778	0.159581
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0.051988	0.26219	-0.04153	0.3706	-0.0123	0.79092	-0.02771	0.55032	0.033187
0.125171	0.00676	-0.00496	0.91478	0.124925	0.00687	-0.01845	0.69085	0.088786
-0.01898	0.68242	-0.20798	5.84E-06	-0.20279	1.00E-05	-0.18381	6.45E-05	0.0212
0.091897	0.04717	0.078372	0.0907	0.232139	3.92E-07	0.042904	0.35491	0.062966
0.066801	0.14949	-0.082	0.07667	0.007943	0.86407	-0.05051	0.27603	0.030807
0.286586	2.80E-10	0.139695	0.00248	0.157206	0.00065	0.135152	0.00343	0.201905
0.084465	0.0682	0.215161	2.70E-06	0.139601	0.0025	0.298636	4.48E-11	0.166141
0.016846	0.71653	-0.07229	0.11875	-0.01777	0.70168	-0.13387	0.00375	-0.04721
0.078834	0.08881	-0.12868	0.00535	-0.04074	0.3797	-0.08805	0.05725	-0.01444
0.002071	0.96439	-0.07345	0.11293	0.000317	0.99455	-0.07626	0.09976	0.050777
0.060676	0.19057	-0.00809	0.86151	-0.1386	0.00269	-0.10772	0.01989	-0.11622
0.069972	0.13107	0.019581	0.67298	0.084974	0.06655	0.029901	0.51919	0.119915
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0.03149	0.49723	-0.00688	0.88211	0.04755	0.30518	-0.02048	0.65886	-0.00267
0.096809	0.0365	-0.07357	0.11236	0.02277	0.62356	-0.07572	0.1022	0.192635
0.064347	0.16506	0.094814	0.04055	0.251387	3.66E-08	0.081557	0.07829	0.36118
0.053703	0.24676	0.095619	0.03887	0.104264	0.02424	0.067597	0.14469	0.281607
-0.00156	0.97324	-0.05587	0.22821	-0.1051	0.02312	-0.06308	0.17355	0.021875
0.036476	0.43163	-0.10056	0.0298	0.02089	0.65251	-0.04182	0.36724	0.168614
0.021712	0.63979	-0.09933	0.03186	-7.96E-05	0.99863	-0.04834	0.29717	0.040069
-0.0785	0.09019	-0.12062	0.00908	-0.12982	0.00496	-0.19294	2.70E-05	-0.20202
0.013632	0.76891	0.021504	0.643	0.033029	0.47644	0.06706	0.14792	0.102234
0.00056	0.99038	0.087501	0.05883	-0.03551	0.44395	0.056108	0.2262	0.022885
0.012329	0.79044	-0.06432	0.16522	0.080504	0.08223	-0.03412	0.46201	0.151524
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-0.01994	0.66735	-0.07692	0.09685	-0.04134	0.37278	0.031202	0.50118	0.159634
0.022565	0.62668	0.268201	3.90E-09	0.227307	6.90E-07	0.271139	2.59E-09	0.186986
0.0389	0.40163	0.019762	0.67014	-0.02337	0.61444	0.026807	0.56336	0.060268
-0.08278	0.0739	-0.12364	0.00747	-0.13306	0.00397	-0.1381	0.00278	-0.06108
0.037675	0.41664	-0.07195	0.12047	0.002601	0.95529	-0.06172	0.183	0.002228
0.069687	0.13265	0.086247	0.06256	-0.03193	0.49126	0.029999	0.51784	-0.04556
-0.00792	0.86445	-0.07488	0.10607	-0.15994	0.00052	-0.01756	0.70515	0.136219
0.074224	0.10918	-0.04505	0.33133	0.056824	0.22032	-0.04839	0.29671	-0.01237
0.013187	0.77624	-0.02051	0.65842	-0.00755	0.87073	-0.08786	0.0578	-0.01079
-0.18743	4.59E-05	-0.21373	3.16E-06	-0.21454	2.89E-06	-0.18295	6.99E-05	0.003999

-0.02367	0.60997	0.064091	0.16675	-0.00521	0.91058	0.08901	0.05458	-0.02051
0.003925	0.93259	0.061737	0.18291	0.030818	0.50646	-0.00672	0.88484	-0.04685
0.008947	0.84708	-0.04457	0.33647	-0.03763	0.41725	-0.05072	0.27406	-0.01791
0.012325	0.79052	-0.07024	0.12958	-0.1307	0.00467	-0.08322	0.07239	-0.03147
0.103965	0.02465	-0.02127	0.6466	0.01478	0.75006	-0.02864	0.53703	-0.09175
-0.01323	0.77551	-0.12073	0.00901	-0.09073	0.05005	-0.10073	0.02951	-0.07404
-0.02187	0.63738	0.079083	0.08781	0.121229	0.00873	0.074096	0.10979	0.11502
0.185321	5.60E-05	0.125182	0.00676	0.176954	0.00012	0.073523	0.11257	0.002295
0.052369	0.25871	-0.04925	0.28819	-0.02984	0.52011	-0.09905	0.03236	-0.05064
0.043048	0.3533	0.135236	0.00341	0.109456	0.01797	0.130154	0.00485	0.123217
0.030291	0.51377	-0.05709	0.21813	-0.08616	0.06284	-0.00385	0.93384	0.071949
0.015574	0.73711	0.124138	0.00723	0.093143	0.04424	0.210009	4.71E-06	0.178863
-0.0794	0.08656	-0.08245	0.07507	-0.09614	0.03782	-0.02716	0.55822	-0.12055
-0.0262	0.57218	0.028902	0.53326	0.009242	0.84211	0.065046	0.16051	-0.14688
-0.07579	0.10189	-0.04984	0.28243	-0.15358	0.00087	-0.0022	0.96226	0.095727
0.116994	0.0114	-0.11875	0.01021	0.023206	0.61692	-0.12915	0.00519	-0.03535
0.077914	0.09261	-0.03135	0.49917	-0.01361	0.7693	-0.02515	0.58772	0.012388
0.050274	0.27828	0.206998	6.48E-06	0.109542	0.01788	0.254066	2.59E-08	0.096288
0.058626	0.20601	-0.07066	0.12729	-0.02381	0.60779	-0.08111	0.07996	0.080264
0.011222	0.80889	0.112252	0.01523	0.239873	1.55E-07	0.223912	1.02E-06	0.378598
0.041859	0.36676	-0.04912	0.28947	-0.04443	0.33805	-0.02146	0.64361	0.049923
0.132214	0.00421	-0.0416	0.36979	0.029611	0.52327	-0.06185	0.18214	0.035015
-0.02918	0.52934	-0.0579	0.21173	0.043135	0.35232	0.027084	0.55934	0.103683
0.136027	0.00323	-0.08807	0.0572	0.026203	0.57219	-0.11826	0.01054	-0.04657
-0.10508	0.02315	-0.11588	0.01221	-0.07427	0.10894	-0.05608	0.22645	0.020775
0.03372	0.46726	-0.05022	0.27884	0.00829	0.8582	-0.00953	0.83734	-0.00365
-0.05613	0.22599	-0.05831	0.20843	0.0509	0.27232	-0.00605	0.89631	0.246447
0.066456	0.15161	-0.04248	0.35974	-0.04882	0.29241	-0.04057	0.38174	-0.06398
0.001065	0.98169	-0.16144	0.00046	-0.13381	0.00377	-0.12076	0.00899	0.106767
-0.13216	0.00422	-0.21123	4.13E-06	-0.21687	2.24E-06	-0.27143	2.49E-09	-0.05843
-0.00974	0.8338	0.000355	0.9939	0.000937	0.98389	-0.01915	0.67983	0.0742
0.001151	0.9802	-0.00096	0.98354	0.003625	0.93773	-0.00753	0.87101	-0.0039
0.016932	0.71515	0.013945	0.76374	-0.03406	0.46272	-0.04841	0.29648	-0.19783
-0.0448	0.33399	-0.08268	0.07426	-0.07742	0.09472	-0.09767	0.03485	-0.00315
-0.01042	0.82237	-0.11741	0.01111	-0.06246	0.17786	-0.09058	0.05045	0.020614
-0.04998	0.28108	-0.18366	6.54E-05	-0.17999	9.18E-05	-0.20866	5.44E-06	-0.0383
0.062336	0.1787	-0.01379	0.76632	-0.02469	0.59452	-0.04795	0.30117	-0.03953
-0.01291	0.78079	-0.04526	0.32912	-0.06816	0.14137	-0.07425	0.10907	-0.10017
-0.02307	0.61896	-0.07557	0.10286	-0.07506	0.10523	-0.08421	0.06905	-0.11275
-0.01659	0.72072	-0.04204	0.36469	-0.04752	0.30546	-0.04484	0.33358	0.060604
-0.00205	0.96471	-0.01548	0.73862	0.015437	0.73935	0.009562	0.83673	0.02699
0.072571	0.11732	0.056406	0.22374	0.070156	0.13005	0.026085	0.57392	0.009272
0.058672	0.20565	-0.04305	0.35322	0.000812	0.98604	-0.04737	0.30697	-0.05421
0.007285	0.87524	-0.06655	0.15104	-0.02839	0.5406	-0.06363	0.16984	-0.04984
0.05238	0.25861	0.029047	0.53121	0.09471	0.04077	0.037878	0.41413	0.017646

0.052436	0.2581	-0.03724	0.42205	0.032808	0.4794	-0.01189	0.79767	-0.04518
-0.024	0.605	0.073675	0.11183	-0.15389	0.00085	0.018082	0.69672	-0.16024
0.024876	0.5918	-0.02124	0.64707	-0.00694	0.88109	-0.05473	0.2378	0.015573
0.063078	0.17357	-0.13649	0.00312	-0.00392	0.93266	-0.10274	0.0264	0.202459
0.100425	0.03002	-0.00908	0.84477	0.050759	0.27366	-0.01797	0.69857	0.107159
-0.00938	0.83978	0.037468	0.4192	0.063423	0.17122	0.030655	0.50871	0.046003
0.053717	0.24663	-0.02932	0.52742	-0.00127	0.97814	5.79E-05	0.999	0.109438
0.026786	0.56367	-0.03236	0.48538	-0.0293	0.52766	-0.04234	0.36128	0.047685
0.075618	0.10266	-0.00219	0.96236	-0.03533	0.44625	-0.0454	0.32757	-0.0538
0.075485	0.10327	0.063772	0.16887	0.063306	0.17201	0.085126	0.06606	-0.04411
-0.08715	0.05985	-0.06892	0.13696	-0.22139	1.35E-06	-0.01925	0.67817	-0.06682
0.075069	0.10519	0.143725	0.00185	0.291111	1.42E-10	0.148309	0.00131	0.389691
-0.00569	0.90243	0.078206	0.09139	-0.01304	0.77865	0.100806	0.02939	-0.03165
0.074027	0.11012	-0.1081	0.01946	0.007554	0.87067	-0.06971	0.1325	0.16482
0.013484	0.77133	-0.03469	0.45455	0.02884	0.53413	-0.01114	0.81021	0.019026
-0.07943	0.08643	-0.07451	0.10783	-0.06272	0.17604	-0.10545	0.02266	-0.10468
0.044803	0.334	-0.06144	0.18503	-0.04905	0.29014	-0.01573	0.73454	0.124442
0.001736	0.97016	-0.02869	0.53632	-0.0491	0.28962	0.005853	0.89962	0.109065
0.107427	0.02023	-0.01342	0.77239	0.057136	0.2178	-0.00194	0.96669	0.01189
-0.10252	0.02674	-0.09547	0.03918	-0.14495	0.00169	-0.042	0.36521	0.072601
-0.07911	0.08768	-0.05578	0.22894	-0.1204	0.00921	-0.10396	0.02466	-0.05367
0.149827	0.00116	0.12021	0.00932	0.102181	0.02724	0.155783	0.00073	0.129926
0.02297	0.62051	0.010489	0.82115	-0.01713	0.71193	0.003558	0.93888	0.083954
0.02221	0.63213	-0.01175	0.80002	0.029956	0.51843	-0.0443	0.33946	-0.01412
-0.00957	0.83654	0.10006	0.03062	0.06922	0.13527	0.055274	0.23318	-0.00521
0.020133	0.66433	0.085315	0.06546	0.099781	0.03109	0.093967	0.04239	0.061522
0.018754	0.68604	-0.13874	0.00266	-0.04768	0.30383	-0.17691	0.00012	0.092006
-0.09769	0.03481	-0.0674	0.14586	0.047895	0.30168	-0.01937	0.67633	0.216421
0.082627	0.07445	0.016256	0.72606	0.046725	0.31366	0.000587	0.98991	0.096171
0.018078	0.69679	0.135573	0.00333	0.036319	0.43361	0.209825	4.80E-06	0.047113
-0.02105	0.65	-0.12839	0.00546	0.012004	0.79585	-0.0964	0.0373	0.030335
-0.06571	0.15629	-0.10603	0.02193	-0.05988	0.19648	-0.18147	8.01E-05	-0.06913
0.088412	0.05623	-0.08387	0.07018	-0.02616	0.57289	-0.06559	0.15703	0.216253
0.02942	0.52594	-0.18408	6.29E-05	-0.15725	0.00065	-0.17634	0.00013	0.061745
-0.00744	0.87263	0.033664	0.468	-0.09314	0.04425	-0.03665	0.42944	0.066489
-0.01449	0.75476	-0.08561	0.06453	-0.0064	0.89023	-0.07432	0.10871	0.012826
0.101954	0.02759	0.053952	0.24457	0.175514	0.00014	0.157694	0.00063	0.210869
0.053067	0.2524	0.040972	0.37701	-0.00906	0.84519	-0.00375	0.93564	0.0638
-0.01305	0.77847	0.063928	0.16783	-0.04232	0.36151	-0.00837	0.85684	-0.00825
-0.01623	0.72655	-0.01424	0.75895	-0.10911	0.01835	-0.06847	0.13959	-0.06344
-0.06215	0.18003	0.03406	0.46278	0.021218	0.64742	-0.08406	0.06955	-0.13137
-0.00384	0.93403	0.007446	0.87251	-0.03511	0.44908	-0.01124	0.80854	-0.09991
0.040605	0.3813	-0.03359	0.46898	-0.00528	0.90945	-0.05264	0.25627	0.030898
0.037817	0.41488	-0.10862	0.01887	-0.00797	0.86361	-0.04805	0.30011	0.044934
0.131871	0.00431	-0.02508	0.5888	-0.00109	0.98127	0.011757	0.79997	0.039387

-0.16084	0.00048	-0.25392	2.64E-08	-0.25008	4.33E-08	-0.19143	3.12E-05	0.173126
0.011901	0.79756	-0.10195	0.02759	-0.06342	0.17128	0.032338	0.48571	0.283764
-0.12016	0.00935	0.051131	0.27015	-0.11429	0.01346	0.022573	0.62657	0.020234
0.045296	0.3287	-0.08736	0.05923	-0.13343	0.00387	-0.12031	0.00926	-0.01579
0.033311	0.47268	-0.07553	0.10307	-0.05336	0.24979	0.039104	0.39917	0.268403
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0.161294	0.00047	0.076069	0.10062	0.026948	0.56132	0.067056	0.14794	-0.04017
0.004706	0.91921	-0.04786	0.30201	-0.05062	0.275	-0.05231	0.25924	0.0572
0.069065	0.13615	-0.05289	0.25399	0.026244	0.57159	-0.02489	0.59161	0.0509
0.051755	0.26434	0.004849	0.91676	0.056325	0.22441	0.034622	0.45543	0.138434
0.040993	0.37677	-0.02489	0.59166	-0.00533	0.90859	0.002779	0.95225	0.08962
-0.01556	0.7373	-0.02998	0.51806	0.008358	0.85704	0.022037	0.63478	0.091707
0.086212	0.06267	0.035918	0.43872	0.193712	2.50E-05	0.122349	0.00812	0.203532
0.015162	0.74382	0.023953	0.60564	0.022778	0.62344	0.036354	0.43317	0.066045
0.047905	0.30157	0.055383	0.23227	0.214194	3.00E-06	0.134068	0.0037	0.322055
0.022677	0.62499	0.163227	0.0004	0.069023	0.13639	0.253234	2.88E-08	0.082059
-0.01358	0.76977	0.006222	0.89332	0.080367	0.08276	0.020919	0.65207	0.09284
-0.06832	0.14043	0.03203	0.48989	0.029944	0.5186	-0.04491	0.33281	0.095541
-0.03998	0.38867	-0.11353	0.01409	-0.10858	0.01892	-0.09033	0.05108	0.075985
0.02665	0.56565	-0.12917	0.00518	-0.10921	0.01823	-0.07328	0.11377	0.081468
-0.02311	0.61836	-0.05065	0.27467	0.035277	0.44693	-0.05773	0.21304	0.084688
0.101784	0.02785	0.004849	0.91676	0.1101	0.01731	0.022066	0.63434	0.163493
0.000247	0.99576	-0.18169	7.86E-05	-0.1037	0.02502	-0.06689	0.14896	0.10244
0.047227	0.30848	0.016797	0.71732	-0.05164	0.26539	-0.01123	0.80868	-0.00316
-0.0047	0.91939	0.045006	0.33181	-0.04691	0.31175	0.106155	0.02177	0.019124
0.107768	0.01984	-0.01482	0.74942	0.008696	0.85133	-0.04637	0.31731	0.104135
0.02211	0.63365	0.023037	0.61949	0.046066	0.32053	0.036944	0.42574	0.070331
0.05025	0.27851	-0.00645	0.88945	0.053819	0.24574	0.02573	0.57914	0.026628
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0.121879	0.00837	0.01907	0.68104	0.126325	0.00627	0.065786	0.15579	0.261865
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-0.05473	0.2378	-0.04972	0.28361	-0.10572	0.02232	0.039328	0.39648	0.000536
-0.10714	0.02057	-0.03847	0.40683	-0.15406	0.00084	0.028891	0.53342	-0.08909
-0.15764	0.00063	-0.10813	0.01942	-0.2819	5.58E-10	-0.05063	0.2749	-0.1108
-0.0388	0.40281	-0.06397	0.16752	-0.02232	0.63041	-0.12635	0.00626	-0.02019
-0.02413	0.60295	-0.13051	0.00473	-0.08276	0.07396	-0.15126	0.00104	-0.09883
0.015445	0.73922	0.005418	0.90704	-0.08725	0.05957	0.102168	0.02726	0.084179
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0.112626	0.01489	-0.07194	0.12056	-0.10191	0.02766	-0.12735	0.00585	-0.10189
-0.03001	0.51767	0.022761	0.6237	-0.00206	0.96464	-0.05161	0.26566	-0.07099
0.026465	0.56836	-0.02874	0.53556	-0.03175	0.49367	-0.04442	0.33812	0.048444
0.015387	0.74015	0.171053	0.0002	0.010828	0.81548	0.163778	0.00038	-0.07648
-0.05307	0.25237	-0.16868	0.00025	-0.08287	0.0736	-0.12569	0.00654	0.237678
-0.12902	0.00523	-0.05241	0.25831	-0.09619	0.03771	-0.01571	0.7349	-0.00484
0.083582	0.07115	0.07318	0.11427	0.053947	0.24462	0.076091	0.10053	0.01215

0.069696	0.1326	-0.0435	0.34829	-0.1233	0.00764	-0.08473	0.06734	-0.05158
0.094193	0.04189	0.021519	0.64276	0.071572	0.12246	-0.02232	0.63048	0.06411
-0.04992	0.28168	-0.00985	0.83194	-0.13033	0.00479	0.01119	0.80942	0.077943
0.010444	0.8219	0.108815	0.01866	0.170229	0.00022	0.067456	0.14553	0.188756
0.020469	0.65906	0.075935	0.10122	-0.00277	0.95233	0.120588	0.00909	0.198961
0.019144	0.67988	0.034629	0.45533	-0.01097	0.8131	-0.03118	0.50145	0.041692
0.069331	0.13464	0.049251	0.28818	0.054247	0.242	0.096596	0.03691	0.037266
0.159779	0.00053	0.032251	0.48689	0.134272	0.00365	0.057431	0.21542	0.232612
0.031995	0.49036	-0.09385	0.04264	-0.07092	0.12589	-0.08544	0.06506	0.054779
-0.05934	0.20056	0.0934	0.04365	-0.10207	0.02742	0.026169	0.57269	-0.16422
-0.0062	0.89376	-0.13689	0.00303	-0.14907	0.00123	-0.0961	0.03789	0.034441
-0.05643	0.22352	-0.21103	4.22E-06	-0.13261	0.0041	-0.17651	0.00013	-0.04118
-0.0203	0.66166	-0.10836	0.01917	-0.06077	0.18991	-0.10517	0.02302	0.030839
-0.04438	0.33854	0.006947	0.88098	-0.15981	0.00053	0.062293	0.17899	0.069575
-0.09495	0.04025	-0.08378	0.07048	-0.13103	0.00456	-0.01421	0.7594	0.059309
0.06762	0.14456	0.219118	1.75E-06	0.231529	4.22E-07	0.287972	2.28E-10	0.31089
-0.00986	0.83165	-0.16716	0.00029	-0.11511	0.01281	-0.05058	0.27537	0.197847
-0.04642	0.3168	-0.106	0.02197	-0.04235	0.3612	-0.09556	0.03899	0.132927
0.053122	0.25191	0.012029	0.79544	0.112833	0.0147	0.03484	0.45259	0.099345
0.023641	0.61035	-0.12784	0.00567	-0.05292	0.25377	-0.12207	0.00827	0.036227
0.178341	0.00011	-0.05519	0.23391	-0.02828	0.54213	-0.00885	0.84869	-0.01277
0.007869	0.86533	-0.01943	0.67537	-0.02124	0.64715	-0.0431	0.35267	0.000318
-0.01346	0.7717	0.034449	0.45768	-0.0542	0.2424	0.115966	0.01215	0.118147
0.066207	0.15315	0.021879	0.63722	0.021817	0.63817	0.016126	0.72816	0.137736
-0.02857	0.53804	-0.15781	0.00062	-0.14764	0.00138	-0.2166	2.31E-06	-0.05777
-0.03868	0.40432	-0.13846	0.00271	-0.08078	0.08117	-0.08304	0.073	0.03925
0.015798	0.73347	0.010483	0.82125	-0.00524	0.91	0.032583	0.48241	0.07022
-0.00935	0.84037	-0.11762	0.01096	-0.08779	0.058	-0.04167	0.36888	-0.00268
0.089201	0.05406	0.02842	0.54012	-0.04767	0.304	0.038064	0.41184	-0.02287
-0.01022	0.82571	-0.05973	0.19758	-0.06542	0.15811	-0.10235	0.02698	-0.03495
0.074981	0.1056	0.045043	0.33141	0.010001	0.82935	0.03115	0.50189	0.043276
-0.03797	0.41301	-0.09118	0.04891	0.048435	0.29626	-0.06541	0.15815	0.098248
0.007388	0.87349	0.009055	0.84527	0.045877	0.32253	0.1476	0.00138	0.204337
0.022412	0.62904	-0.0116	0.80255	0.096411	0.03728	-0.01165	0.80179	0.103995
-0.0629	0.1748	-0.06105	0.18781	-0.04894	0.29124	0.044946	0.33246	0.204143
-0.01821	0.69474	-0.06504	0.16055	0.009479	0.83813	-0.06296	0.17436	0.045249
0.054369	0.24094	-0.04846	0.296	-0.06131	0.18595	0.028561	0.53811	0.020826
0.061355	0.18564	-0.00686	0.88245	0.036625	0.42975	0.017907	0.69952	0.038549
-0.0382	0.41022	-0.13528	0.0034	-0.0687	0.13822	-0.09255	0.04562	0.051848
0.05292	0.25372	0.274171	1.69E-09	0.104925	0.02335	0.187555	4.53E-05	0.049721
0.022082	0.63409	-0.03907	0.39955	-0.04781	0.30249	-0.05267	0.25599	-0.03779
0.10193	0.02763	-0.03931	0.39673	0.010583	0.81958	-0.00289	0.95042	0.029223
-0.03107	0.50295	-0.04515	0.33029	0.028642	0.53695	-0.05884	0.20434	-0.03227
0.015277	0.74195	0.050585	0.27531	-0.03844	0.40719	-0.00616	0.8943	-0.15538
-0.0571	0.21806	-0.03635	0.43326	-0.09155	0.04801	-0.12816	0.00554	-0.01297

-0.10825	0.01929	0.010224	0.82559	-0.0531	0.25209	-0.04936	0.28714	-0.06701
-0.05116	0.26985	0.10416	0.02439	-0.0883	0.05656	-0.01019	0.82619	-0.11367
-0.11364	0.014	-0.00726	0.87562	-0.15272	0.00093	0.047074	0.31005	0.060168
0.090668	0.05021	-0.07658	0.09836	-0.06847	0.13955	-0.13256	0.00411	0.08053
0.012861	0.78163	0.018741	0.68625	-0.00018	0.99686	-0.00961	0.83598	0.097042
0.125316	0.0067	0.102335	0.02701	0.086609	0.06146	0.034276	0.45994	0.0347
0.042063	0.36443	-0.02852	0.53872	0.015984	0.73045	-0.0831	0.07279	0.005581
0.00777	0.867	0.022437	0.62864	-0.05039	0.27712	0.043853	0.34436	0.025734
0.14116	0.00223	0.311068	6.18E-12	0.200215	1.30E-05	0.209939	4.74E-06	0.110372
-0.00123	0.9788	0.079732	0.08522	0.056607	0.22209	0.052559	0.25698	-0.00093
-0.00592	0.89844	-0.01929	0.67753	0.07674	0.09765	0.085409	0.06517	0.144215
-0.08913	0.05426	0.052499	0.25753	-0.15811	0.00061	0.06601	0.15438	0.020745
0.001277	0.97805	0.022874	0.62197	-0.06581	0.15566	0.013437	0.77211	-0.0789
-0.10229	0.02708	-0.20044	1.28E-05	-0.17155	0.0002	-0.16989	0.00023	-0.14435
0.047499	0.3057	0.198734	1.52E-05	0.163425	0.00039	0.268421	3.78E-09	0.007644
-0.00236	0.95939	-0.01721	0.71064	0.01761	0.70427	-0.12939	0.0051	-0.02534
0.038196	0.41022	0.205966	7.22E-06	0.102622	0.02658	0.274937	1.52E-09	-0.07582
-0.02648	0.56814	-0.07053	0.12802	-0.10432	0.02416	-0.07445	0.10809	0.087933
-0.00294	0.94946	0.026325	0.57041	0.06381	0.16862	0.090264	0.05125	0.119719
0.048341	0.2972	-0.08336	0.07189	-0.04375	0.3455	-0.0835	0.07144	0.043265
0.072715	0.11659	-0.00439	0.92454	0.023868	0.60692	-0.01495	0.74736	0.014809
-0.02654	0.56721	-0.02018	0.66363	-0.02299	0.62028	-0.00248	0.95739	0.06491
0.029849	0.51993	-0.01697	0.71454	-0.02493	0.59101	-0.01447	0.75508	0.012531
-0.02559	0.58122	0.017709	0.70269	-0.03912	0.39894	0.022532	0.6272	-0.02654
-0.01328	0.77477	-0.01751	0.7059	-0.00355	0.93904	0.059777	0.19723	-0.00176
-0.02233	0.63033	-0.01759	0.70464	-0.0179	0.69962	-0.00937	0.83995	0.064041
0.005475	0.90607	-0.0544	0.24067	-0.00892	0.84751	-0.0455	0.32651	-0.0051
0.045158	0.33017	-0.00697	0.88051	0.001893	0.96745	0.007081	0.8787	0.056953
0.016208	0.72683	-0.0144	0.75624	-0.00306	0.94737	-0.00188	0.96766	-0.01819
0.010954	0.81336	0.033229	0.47377	-0.00385	0.93384	0.043192	0.35169	-0.02739
-0.02274	0.62399	0.035691	0.44161	0.055172	0.23405	0.014635	0.75244	0.070273
-0.01567	0.73549	-0.03828	0.40914	-0.04404	0.34235	-0.00564	0.90331	0.019285
-0.12969	0.005	0.03763	0.41719	-0.06854	0.13917	0.017619	0.70412	0.192406
0.014809	0.74959	0.01815	0.69564	-0.07023	0.12965	0.000591	0.98984	0.061268
0.015634	0.73614	0.034741	0.45388	0.031571	0.49613	0.00799	0.86328	0.026566
-0.0011	0.98103	-0.0645	0.16408	-0.08558	0.06463	-0.07999	0.08421	-0.09994
0.013088	0.77787	0.052993	0.25307	0.001349	0.9768	0.040443	0.38321	-0.06482
-0.02672	0.5646	-0.10146	0.02835	-0.06736	0.14613	-0.08081	0.08108	0.064333
-0.01758	0.7047	-0.16193	0.00044	-0.12602	0.00639	-0.20985	4.79E-06	-0.12001
-0.00021	0.99638	-0.00963	0.8356	0.021144	0.64857	-0.00735	0.87407	0.12657
0.001836	0.96844	-0.15757	0.00063	-0.04776	0.30305	-0.15793	0.00061	0.076675
-0.00918	0.84322	-0.12247	0.00806	-0.08864	0.0556	-0.12915	0.00519	0.09486
0.057223	0.2171	-0.07904	0.08799	-0.05476	0.23758	-0.08718	0.05976	0.071789
0.02321	0.61687	-0.04821	0.29852	-0.09341	0.04364	-0.06301	0.17403	-0.12797
0.019883	0.66824	0.048659	0.29403	-0.10685	0.02092	0.00514	0.91179	-0.0404

0.023569	0.61142	-0.04902	0.29049	-0.08512	0.06607	-0.02356	0.61157	0.00382
0.06519	0.15958	-0.01494	0.74747	-0.05011	0.27987	-0.03496	0.45106	0.045981
-0.00148	0.97451	-0.01287	0.78146	-0.00852	0.85433	-0.0392	0.39798	-0.00245
0.037636	0.41711	-0.06341	0.1713	-0.03384	0.46574	-0.06888	0.13723	-0.00889
0.057556	0.21442	-0.09908	0.0323	-0.02404	0.60437	-0.10572	0.02232	0.089456
-0.10509	0.02314	-0.32253	9.13E-13	-0.27269	2.09E-09	-0.2662	5.13E-09	-0.00256
0.049454	0.28619	0.022172	0.63271	0.003279	0.94366	-0.00601	0.89686	0.068064
0.00405	0.93045	0.121235	0.00873	0.105473	0.02263	0.066467	0.15154	-0.05421
0.055628	0.2302	0.062583	0.17697	0.102934	0.02612	0.126575	0.00616	0.119223
0.036378	0.43287	-0.10322	0.02572	0.003553	0.93897	-0.06735	0.14615	0.131696
0.055268	0.23324	0.046699	0.31392	0.019161	0.6796	0.026122	0.57338	0.08337
-0.00429	0.92633	-0.09079	0.04991	-0.00708	0.87865	-0.10145	0.02837	0.061114
0.04751	0.30559	0.057703	0.21326	-0.00941	0.83928	0.03592	0.43869	-0.03497
0.038758	0.40336	0.208234	5.69E-06	0.267088	4.54E-09	0.206599	6.75E-06	0.180719
0.255397	2.17E-08	0.006779	0.88384	0.100638	0.02967	0.004393	0.92458	0.174169
0.006459	0.88928	-0.10383	0.02485	-0.01483	0.74922	-0.08279	0.07387	0.314794
0.222801	1.16E-06	0.075123	0.10494	0.07502	0.10542	0.048623	0.29438	0.01979
-0.02227	0.63113	-0.01362	0.76916	0.029277	0.52796	-0.05968	0.19797	-0.02215
0.080152	0.08359	0.274468	1.62E-09	0.095441	0.03924	0.240852	1.37E-07	-0.11799
0.043406	0.34931	-0.09861	0.03314	0.007037	0.87944	-0.10195	0.02759	0.172642
0.037559	0.41808	0.023512	0.61229	0.03025	0.51434	0.008158	0.86043	-0.02835
-0.02653	0.56738	-0.05314	0.25173	-0.16381	0.00038	-0.01706	0.71309	-0.0441
0.090128	0.0516	-0.01946	0.67493	0.120254	0.00929	0.02556	0.58165	0.117418
-0.01518	0.74359	-0.06375	0.16905	-0.07687	0.09708	-0.09839	0.03352	0.150243
0.013535	0.77049	-0.09167	0.04771	0.026167	0.57272	-0.09024	0.0513	0.195044
0.01772	0.70251	-0.08121	0.07958	-0.06683	0.14934	-0.10628	0.02161	-0.08659
0.012666	0.78487	-0.09771	0.03477	-0.01356	0.77009	-0.11708	0.01134	-0.05154
-0.04395	0.34329	-0.10979	0.01762	-0.01854	0.68945	-0.09301	0.04456	0.143904
0.031828	0.49263	0.020367	0.66067	0.045737	0.32401	0.067449	0.14558	0.113956
0.021042	0.65015	0.075768	0.10198	-0.03625	0.43454	0.04081	0.37891	-0.24648
-0.08841	0.05625	0.044808	0.33395	-0.10789	0.01969	-0.05102	0.27118	0.038837
0.030257	0.51424	-0.03663	0.42974	0.073245	0.11394	-0.04664	0.3145	0.238912
0.038623	0.405	-0.0533	0.25032	0.01432	0.75758	-0.04814	0.29918	-0.012
0.173395	0.00017	0.077439	0.09463	0.066377	0.1521	0.140589	0.00233	0.112088
0.026502	0.56782	-0.06792	0.14278	-0.138	0.0028	-0.0369	0.42625	-0.02255
0.028064	0.54521	0.165104	0.00034	0.016217	0.72669	0.12805	0.00559	-0.0779
0.053304	0.25029	-0.00127	0.97819	0.049554	0.28523	-0.00623	0.89313	0.064033
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0.142261	0.00206	0.027985	0.54634	0.051637	0.26543	-0.02681	0.56333	-0.04321
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-0.0183	0.69333	0.012485	0.78786	-0.04686	0.31226	0.019218	0.67871	0.087849
0.002801	0.95186	0.134617	0.00356	0.09148	0.04818	0.040326	0.38459	0.006562
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0.024311	0.60026	-0.06925	0.13511	-0.002	0.96563	-0.05115	0.26997	0.045092
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-0.05707	0.21833	-0.11911	0.00999	0.007882	0.86511	-0.0002	0.99648	0.164017
-0.00414	0.92891	-0.02814	0.54418	-0.04016	0.38655	-0.04902	0.29045	0.011093
-0.01814	0.69588	-0.01186	0.7982	-0.02462	0.59569	0.067916	0.1428	0.151751
-0.01954	0.67356	-0.1118	0.01564	-0.03612	0.43615	-0.0246	0.59594	0.090973
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0.044739	0.3347	-0.06107	0.18772	-0.11982	0.00955	-0.05778	0.21265	0.010716
0.055885	0.22805	-0.07389	0.1108	0.086659	0.06131	0.009606	0.83599	0.15187
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0.017734	0.70229	-0.06601	0.15441	-0.02171	0.6398	-0.09362	0.04316	-0.06575
0.060119	0.19468	-0.08827	0.05663	-0.08269	0.07422	-0.1478	0.00136	0.068096
0.033515	0.46997	0.074435	0.10817	0.050319	0.27785	0.04092	0.37762	0.18616
0.0164	0.72373	-0.09693	0.03627	-0.10448	0.02395	-0.0609	0.18896	-0.01503
-0.01218	0.79299	0.026316	0.57053	-0.00208	0.96425	0.038024	0.41233	0.063893
-0.01026	0.82507	-0.12517	0.00676	0.00545	0.90649	-0.08613	0.06293	0.08204
-0.06721	0.14703	0.10029	0.03024	0.017709	0.70268	0.123141	0.00772	-0.00558
-0.04908	0.2899	-0.08122	0.07955	-0.12894	0.00526	-0.15511	0.00077	-0.03862
0.045922	0.32206	0.059639	0.19827	0.107249	0.02044	0.070124	0.13023	0.026391
0.158325	0.00059	0.097815	0.03458	0.110437	0.01696	0.098037	0.03417	0.014436
-0.05938	0.20022	0.02802	0.54584	-0.02895	0.53258	-0.01627	0.72588	-0.08488
-0.01582	0.73307	-0.07095	0.12573	-0.10833	0.0192	-0.07056	0.12788	0.159273
0.136	0.00323	0.023439	0.6134	0.027551	0.55257	0.082031	0.07657	0.134403
0.017176	0.71123	0.012954	0.7801	0.065796	0.15573	0.075602	0.10273	0.164834
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0.127726	0.00571	0.114906	0.01297	0.216159	2.42E-06	0.142462	0.00203	0.349895
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-0.03387	0.46524	-0.01036	0.82331	-0.17222	0.00018	-0.04121	0.37426	-0.20134
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0.046573	0.31523	-0.04025	0.3855	0.085486	0.06492	0.01315	0.77685	0.061692
-0.02928	0.52786	-0.0278	0.54894	-0.08582	0.06386	-0.06464	0.16312	-0.08684
0.002669	0.95414	-0.04684	0.31243	-0.06991	0.13141	-0.07011	0.13033	-0.03152
0.073552	0.11243	-0.0524	0.25841	-0.07389	0.11078	-0.00432	0.92589	0.075817
-0.02498	0.59022	-0.05857	0.20645	-0.12153	0.00857	-0.07822	0.09135	0.050279
0.06179	0.18254	0.211822	3.88E-06	0.234028	3.14E-07	0.172306	0.00018	0.022788
0.351871	4.67E-15	0.245571	7.65E-08	0.255568	2.13E-08	0.264707	6.29E-09	0.03807
0.148128	0.00133	-0.00572	0.90181	0.042946	0.35444	0.044992	0.33196	0.04267
0.324803	6.19E-13	0.237546	2.06E-07	0.265979	5.29E-09	0.240639	1.41E-07	0.106339
0.079579	0.08583	0.027023	0.56022	-0.02493	0.59098	0.072179	0.11932	0.078563
0.043155	0.3521	0.038464	0.40693	0.150588	0.0011	0.13946	0.00252	0.198404



0.12129	0.0087	0.021211	0.64752	0.10949	0.01794	-0.01714	0.71183	0.116445
0.014414	0.75605	-0.04937	0.28703	-0.02036	0.66074	-0.024	0.60491	0.096872
0.00813	0.86091	-0.01077	0.81652	0.095701	0.0387	-0.00576	0.90119	0.147923
-0.03251	0.48342	-0.03013	0.51599	-0.10265	0.02654	-0.02601	0.57504	0.025533
0.04127	0.37355	-0.05334	0.24995	-0.15973	0.00053	-0.04255	0.35891	0.097278
0.00152	0.97387	-0.12655	0.00617	-0.06722	0.14696	-0.20258	1.02E-05	0.007864
0.07142	0.12326	-0.02302	0.61979	-0.0925	0.04574	-0.06477	0.16228	-0.10444
0.00726	0.87567	-0.19454	2.30E-05	-0.13159	0.00439	-0.18803	4.33E-05	0.156679
-0.028	0.54616	0.121973	0.00832	-0.00772	0.86793	0.128191	0.00553	-0.15928
0.050824	0.27304	-0.03005	0.51717	0.003548	0.93905	-0.06444	0.16444	-0.02562
-0.01777	0.70174	-0.10877	0.01872	-0.18194	7.68E-05	-0.06036	0.19287	-0.06572
-0.10517	0.02303	-0.07081	0.12652	-0.23882	1.76E-07	-0.04462	0.33599	-0.09522
0.038749	0.40347	0.092268	0.04628	0.102894	0.02618	0.108227	0.01931	0.101814
0.056086	0.22638	-0.03082	0.50648	0.038985	0.40061	-0.0508	0.27328	0.04688
0.035114	0.44904	-0.00865	0.85205	-0.02647	0.56823	-0.06499	0.16084	-0.0901
0.020059	0.66549	-0.00892	0.84752	-0.04816	0.29903	-0.01685	0.7165	-0.07365
0.09037	0.05098	0.118815	0.01017	-0.07701	0.09649	-0.00545	0.90651	-0.06774
0.135055	0.00345	0.02072	0.65516	-0.03541	0.44521	0.041662	0.36902	-0.04486
-0.01298	0.77968	-0.02624	0.57159	-0.11276	0.01477	0.054878	0.23656	0.035932
-0.02994	0.51864	-0.10666	0.02115	-0.10025	0.0303	-0.24522	7.99E-08	-0.21571
0.132154	0.00423	-0.0037	0.93642	-0.02269	0.62478	0.053113	0.25199	0.00066
0.037559	0.41807	-0.05854	0.20668	-0.05505	0.23511	-0.07486	0.10617	0.036491
0.08408	0.06947	0.178723	0.0001	0.178206	0.00011	0.163468	0.00039	0.12918
-0.02034	0.66105	-0.06881	0.13758	-0.0134	0.77266	-0.11273	0.01479	-0.08685
0.064142	0.16641	0.015763	0.73405	0.115673	0.01237	0.034277	0.45993	0.193036
0.185394	5.56E-05	0.261097	1.02E-08	0.25462	2.41E-08	0.332879	1.51E-13	0.24536
0.081908	0.07701	0.145768	0.00159	0.213272	3.32E-06	0.075076	0.10516	0.050868
0.010984	0.81286	-0.06057	0.19135	0.02352	0.61216	0.003432	0.94103	0.093003
-0.01666	0.71961	0.011552	0.80337	-0.08663	0.0614	0.061882	0.18189	0.037124
0.037383	0.42026	-0.10045	0.02997	-0.14385	0.00183	-0.10953	0.0179	0.004458
-0.06917	0.13558	-0.02478	0.5932	-0.09979	0.03108	0.039845	0.39029	0.021825
0.144703	0.00172	-0.01926	0.67802	0.047761	0.30304	0.056421	0.22361	0.050761
-0.01059	0.81953	0.018791	0.68547	-0.00729	0.87509	0.001085	0.98135	-0.11487
-0.09012	0.05163	-0.0099	0.83097	-0.09513	0.03989	0.02572	0.57929	0.094044
0.028048	0.54543	-0.05055	0.27562	0.045911	0.32217	0.027241	0.55706	0.123835
0.012868	0.78152	-0.12311	0.00774	-0.10381	0.02487	-0.10427	0.02424	0.022445
0.015281	0.74188	-0.00723	0.87611	0.041345	0.37268	-0.05684	0.22022	0.068266
0.026807	0.56336	0.283735	4.27E-10	0.209199	5.13E-06	0.272613	2.11E-09	0.127257
0.006458	0.8893	-0.10022	0.03035	-0.04875	0.29312	-0.10076	0.02946	-0.10596
0.38833	2.94E-18	0.179069	9.99E-05	0.300274	3.47E-11	0.12322	0.00768	-0.00184
-0.20103	1.20E-05	-0.21237	3.66E-06	-0.19236	2.85E-05	-0.17248	0.00018	0.066283
0.008107	0.86129	0.046942	0.31142	0.123412	0.00758	0.010567	0.81985	0.1534
0.072804	0.11614	-0.11941	0.0098	-0.07921	0.08731	-0.15343	0.00088	-0.093
-0.02263	0.62568	-0.065	0.1608	0.006605	0.88679	-0.09624	0.03761	-0.11347
-0.10237	0.02696	-0.05301	0.25291	-0.11297	0.01458	0.003723	0.93604	0.001884

0.045874	0.32256	0.031036	0.50346	-0.02157	0.64193	-0.03244	0.4843	0.048695
-0.00911	0.84434	-0.00329	0.94356	-0.02387	0.6069	-0.11028	0.01712	-0.02187
0.073214	0.1141	0.090972	0.04945	0.06505	0.16048	0.134482	0.0036	0.100303
-0.00575	0.90139	-0.0172	0.71088	-0.1398	0.00246	-0.02194	0.63631	-0.04039
-0.028	0.54609	0.015279	0.74191	-0.07535	0.10391	0.021978	0.63569	0.123462
0.027898	0.54758	0.218892	1.79E-06	0.218334	1.91E-06	0.325924	5.10E-13	0.234056
-0.02421	0.60174	-0.08159	0.07817	-0.08951	0.05323	-0.06319	0.17284	0.021786
-0.05161	0.26565	-0.1125	0.015	-0.14142	0.00219	-0.05233	0.25909	0.170339
0.062095	0.18038	-0.01639	0.72395	-0.00272	0.95331	0.01783	0.70076	0.302132
-0.0385	0.40645	-0.15453	0.00081	-0.14506	0.00167	-0.09349	0.04346	0.0264
0.030133	0.51596	-0.0009	0.98454	0.001178	0.97974	-0.05953	0.19908	0.04089
0.043266	0.35086	0.040551	0.38194	-0.01477	0.75021	0.062362	0.17851	0.092241
-0.08131	0.0792	-0.15139	0.00103	-0.21401	3.06E-06	-0.13614	0.0032	0.01642
-0.06225	0.1793	-0.0412	0.37438	-0.09414	0.042	-0.11669	0.01162	-0.03488
-0.02885	0.53407	-0.12936	0.00511	-0.15064	0.00109	-0.08316	0.07261	-0.05787
0.097958	0.03432	0.095016	0.04013	0.041147	0.37498	0.104	0.02461	0.10782
0.020537	0.65801	-0.05428	0.24169	-0.04125	0.37382	-0.02926	0.5282	0.184318
0.040971	0.37703	-0.07478	0.10652	-0.0889	0.05489	-0.03422	0.46062	-0.05318
-0.04913	0.28939	0.040405	0.38365	0.025111	0.58832	0.134232	0.00366	0.206665
-0.12672	0.0061	-0.25192	3.42E-08	-0.20345	9.37E-06	-0.25585	2.05E-08	-0.10554
-0.00116	0.98013	-0.08795	0.05754	-0.07947	0.08625	-0.10569	0.02235	-0.01645
0.019929	0.66752	0.018882	0.68401	0.017146	0.71171	0.127535	0.00578	0.187973
0.091429	0.04831	-0.00772	0.86785	0.015156	0.74392	-0.01423	0.75902	-0.0392
-0.0003	0.99492	0.023491	0.6126	0.01889	0.68389	0.030316	0.51342	0.041939
0.001443	0.97518	0.02349	0.61262	0.048689	0.29373	-0.00356	0.9389	-0.03142
0.000845	0.98547	0.02874	0.53556	-0.03538	0.44555	0.00733	0.87448	-0.04288
0.065339	0.15862	-0.02555	0.58183	-0.02452	0.59714	-0.00082	0.98584	0.11941
-0.06318	0.17289	0.158486	0.00059	0.031343	0.49924	0.094529	0.04116	-0.0829
0.024231	0.60146	0.009301	0.84113	-0.02994	0.51867	-0.02308	0.61883	-0.03904
-0.00405	0.93045	0.080897	0.08074	-0.07677	0.0975	0.010948	0.81346	-0.1203
0.037278	0.42157	-0.00231	0.96027	0.108496	0.01901	-0.00613	0.89494	0.035577
-0.04327	0.35082	0.116416	0.01182	0.202442	1.04E-05	0.277265	1.09E-09	0.258246
0.01164	0.80191	0.163908	0.00038	0.168633	0.00025	0.262458	8.52E-09	0.364767
0.065922	0.15494	0.225155	8.84E-07	0.427383	3.69E-22	0.244833	8.39E-08	0.302037
0.163682	0.00038	0.130459	0.00475	0.377437	2.93E-17	0.21527	2.67E-06	0.239932
0.012727	0.78384	0.105123	0.02309	0.093222	0.04406	0.163774	0.00038	-0.06441
0.026003	0.57513	-0.14201	0.0021	-0.0108	0.81587	-0.16163	0.00045	-0.23197
0.018142	0.69578	0.068718	0.13813	0.17767	0.00011	0.122267	0.00817	0.178652
0.038385	0.4079	0.050638	0.2748	0.153815	0.00085	0.013733	0.76723	0.042648
-0.10763	0.01999	-0.0018	0.96913	-0.00306	0.94744	0.09005	0.05181	0.179958
0.085945	0.06349	0.262707	8.24E-09	0.17806	0.00011	0.220679	1.47E-06	0.227104
-0.03313	0.4751	0.235851	2.52E-07	0.070677	0.12722	0.274228	1.68E-09	0.102553
-0.04958	0.28502	0.138845	0.00264	0.119524	0.00973	0.258001	1.54E-08	0.104905
-0.14075	0.0023	0.030702	0.50807	0.078679	0.08944	0.035108	0.44912	0.147111
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-0.03124	0.50065	0.145752	0.00159	0.095908	0.03828	0.068983	0.13661	-0.00206
0.069307	0.13478	0.067989	0.14237	0.106531	0.0213	0.110743	0.01666	0.090533
0.155602	0.00074	0.186409	5.05E-05	0.293622	9.71E-11	0.180106	9.09E-05	0.120478
0.042198	0.3629	0.05821	0.20925	0.134928	0.00348	-0.00506	0.91309	0.117071
0.053514	0.24843	0.183763	6.48E-05	0.2533	2.86E-08	0.120435	0.00918	0.110655
0.016975	0.71445	0.241555	1.26E-07	0.131126	0.00454	0.2064	6.90E-06	0.02899
0.168838	0.00025	0.046724	0.31367	0.167848	0.00027	-0.02758	0.55222	0.090513
0.013217	0.77574	0.242983	1.06E-07	0.130659	0.00468	0.357061	1.73E-15	0.066902
0.025181	0.58727	0.107445	0.02021	-0.02428	0.60065	0.12343	0.00758	0.181033
-0.21477	2.82E-06	-0.13434	0.00363	-0.11398	0.01372	-0.09701	0.03611	0.088904
0.037342	0.42077	-0.07754	0.09418	0.004895	0.91597	-0.06033	0.19314	0.16698
0.065291	0.15893	0.126344	0.00626	0.173653	0.00016	0.131409	0.00445	0.074607
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0.001077	0.98149	-0.13823	0.00276	-0.14796	0.00134	-0.133	0.00399	-0.00606
0.070383	0.12881	-0.01871	0.68672	0.039751	0.39141	-0.08538	0.06524	-0.10972
0.049955	0.28133	-0.00151	0.97411	-0.10789	0.01969	-0.04732	0.30753	-0.08428
0.052787	0.25493	-0.04679	0.31299	-0.0027	0.95364	-0.02165	0.6408	0.025816
0.062268	0.17917	0.019449	0.67507	0.120111	0.00937	0.103831	0.02484	0.242994
0.06006	0.19511	0.153657	0.00086	0.138001	0.0028	0.190863	3.30E-05	0.116973
0.070862	0.12622	0.136035	0.00322	0.167356	0.00028	0.079447	0.08635	0.107941
0.083824	0.07033	0.237123	2.16E-07	0.181011	8.36E-05	0.203159	9.65E-06	0.200748
0.089683	0.05277	0.03726	0.42179	0.040186	0.38624	-0.05408	0.24346	-0.16525
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-0.13923	0.00257	-0.05097	0.27171	-0.18726	4.66E-05	0.001277	0.97804	-0.07069
0.007376	0.87369	-0.0443	0.33944	0.047501	0.30568	-0.04974	0.28345	0.080473
0.001735	0.97017	-0.03895	0.401	-0.0215	0.64312	-0.01368	0.76803	0.077263
0.014387	0.75649	-0.14254	0.00202	-0.08279	0.07386	-0.1429	0.00196	0.1291
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0.027122	0.55878	0.043866	0.34422	0.013483	0.77135	0.142756	0.00198	0.188496
0.097952	0.03433	0.086826	0.06081	0.141571	0.00216	0.070733	0.12692	0.150531
0.091199	0.04888	-0.06247	0.17779	-0.00578	0.90086	-0.06518	0.15965	0.011926
0.004983	0.91447	-0.07376	0.11143	0.015883	0.7321	-0.07906	0.0879	0.05567
0.09991	0.03087	0.016435	0.72316	0.101628	0.02809	0.037937	0.4134	0.082592
0.028418	0.54015	0.063593	0.17007	0.0383	0.40894	-0.00804	0.86241	-0.02694
0.132347	0.00417	0.079685	0.08541	0.099457	0.03165	0.102828	0.02628	0.050494
0.058515	0.20687	0.047477	0.30592	0.04251	0.35935	0.004748	0.91849	0.026938
0.044946	0.33246	-0.00673	0.88461	0.01914	0.67994	-0.04621	0.319	-0.03564
-0.03554	0.44352	0.005072	0.91296	-0.15982	0.00053	-0.04559	0.32553	-0.2882
0.016789	0.71745	0.074649	0.10716	0.258026	1.54E-08	0.306237	1.35E-11	0.149147
0.022988	0.62024	-0.05293	0.25362	0.009766	0.83329	-0.02749	0.55342	0.162955
0.041882	0.3665	-0.0637	0.16938	-0.01913	0.68007	-0.12335	0.00761	-0.03485
-0.02509	0.58867	-0.03764	0.41705	-0.15065	0.00109	-0.00528	0.90945	0.034959

0.029554	0.52406	-0.06818	0.14127	0.060791	0.18972	-0.05118	0.2697	0.192499
0.008384	0.85661	0.023565	0.61149	0.151232	0.00104	0.048098	0.29963	0.203025
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-0.07128	0.12398	-0.19821	1.60E-05	-0.09896	0.03252	-0.15054	0.0011	0.04765
-0.06198	0.18119	0.011645	0.80182	-0.06593	0.15491	0.087154	0.05984	0.143735
-0.05146	0.2671	-0.02701	0.56035	0.012927	0.78055	0.013886	0.76472	-0.04157
-0.00132	0.97723	-0.09618	0.03775	-0.05313	0.25181	-0.03954	0.39391	-0.11287
-0.02946	0.52533	0.001506	0.97411	0.060879	0.18908	0.160601	0.00049	0.337697
0.011717	0.80063	0.018343	0.69258	0.115992	0.01213	0.040782	0.37923	0.149717
-0.08066	0.08165	0.135271	0.0034	0.050558	0.27556	0.09473	0.04073	0.286508
-0.02728	0.55645	-0.00985	0.83186	0.038814	0.40268	0.073455	0.11291	0.153928
-0.03055	0.51013	-0.01188	0.7979	0.005903	0.89876	-0.09409	0.04211	-0.02284
0.004291	0.92632	0.001451	0.97505	0.042458	0.35994	-0.0416	0.36971	0.230638
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0.039077	0.3995	-0.18656	4.98E-05	-0.14445	0.00175	-0.12129	0.0087	0.127591
-0.0062	0.89363	0.188195	4.26E-05	0.187628	4.50E-05	0.340841	3.62E-14	0.31549
0.099505	0.03156	-0.02146	0.64375	0.012177	0.79297	-0.00749	0.87177	0.08315
0.361007	8.03E-16	0.061485	0.18471	0.097617	0.03495	0.120631	0.00907	0.144244
0.058144	0.20977	0.092361	0.04606	0.000863	0.98516	0.120884	0.00893	0.01635
-0.007	0.88007	-0.13838	0.00273	-0.05928	0.20102	-0.11421	0.01352	0.133968
-0.00493	0.91537	-0.04023	0.38576	0.026078	0.57402	-0.0661	0.15382	0.045695
-0.02558	0.58142	-0.07849	0.0902	-0.06253	0.17733	-0.12738	0.00584	0.167981
0.007528	0.8711	-0.01475	0.75049	-0.01536	0.74066	-0.00836	0.85705	-0.01136
-0.00563	0.90346	0.002472	0.95751	-0.07328	0.11378	0.008678	0.85164	0.003609
0.019357	0.67651	0.064238	0.16578	0.013674	0.76821	0.032555	0.4828	0.048034
-0.05072	0.27406	-0.00857	0.85339	-0.01561	0.73652	0.035062	0.44971	-0.01572
-0.10827	0.01926	0.107863	0.01973	-0.07335	0.11341	0.076939	0.09678	-0.0672
-0.0614	0.18532	-0.02611	0.57351	-0.06133	0.1858	0.100493	0.02991	0.123888
-0.05439	0.24079	-0.07662	0.09818	-0.07373	0.11157	-0.10513	0.02309	-0.02198
0.081712	0.07773	0.112907	0.01464	0.107629	0.02	0.191599	3.07E-05	0.207786
0.044876	0.33321	-0.01085	0.81519	0.046505	0.31594	-0.04185	0.36687	-0.08671
0.080569	0.08199	-0.01696	0.71464	0.058347	0.20818	-0.17338	0.00017	-0.11926
0.071687	0.12186	-0.10084	0.02933	-0.08404	0.06961	-0.07416	0.10947	0.067142
0.042956	0.35433	-0.05676	0.22084	-0.04351	0.34813	-0.06325	0.1724	-0.05784
0.069539	0.13347	-0.04322	0.35133	0.016334	0.72479	-0.10893	0.01854	-0.06704
0.02843	0.53997	0.03955	0.39381	0.103356	0.02551	0.093576	0.04326	0.085006
0.083853	0.07023	0.064805	0.16207	0.084979	0.06653	0.008081	0.86174	0.197606
0.017977	0.6984	0.096467	0.03717	0.031948	0.491	0.180176	9.03E-05	-0.01072
-0.0513	0.26859	-0.21659	2.31E-06	-0.22319	1.11E-06	-0.1891	3.91E-05	0.037877
0.002189	0.96237	0.112066	0.0154	-0.0097	0.83437	0.179471	9.63E-05	0.107303
0.140979	0.00226	0.052654	0.25613	0.148877	0.00125	0.045363	0.32799	0.206416
0.108643	0.01885	0.042298	0.36176	-0.02121	0.64762	0.048269	0.29792	-0.01761
0.065239	0.15927	-0.03547	0.44443	-0.09103	0.0493	0.002555	0.95608	0.111265
0.021038	0.65022	-0.07307	0.11482	0.059883	0.19644	-0.08516	0.06595	0.113237
-0.04961	0.28472	-0.06902	0.13639	-0.08154	0.07834	-0.07707	0.0962	0.002524

0.060403	0.19257	-0.06174	0.18289	-0.01968	0.67137	-0.03797	0.41303	0.143537
-0.01309	0.77792	-0.0298	0.5206	-0.02544	0.58344	0.021204	0.64764	0.062283
-0.01056	0.81997	-0.03734	0.4208	-0.05858	0.2064	-0.0553	0.23296	-0.07139
-0.07025	0.12953	-0.05239	0.25848	-0.09867	0.03302	0.022973	0.62047	0.136457
0.088577	0.05577	0.120339	0.00924	0.043935	0.34345	0.09377	0.04282	0.163919
0.007994	0.8632	0.02307	0.619	0.009543	0.83703	0.09753	0.03512	0.338918
-0.02959	0.52349	-0.056	0.22707	-0.04942	0.28653	-0.10267	0.02651	-0.13068
-0.02606	0.57425	-0.12352	0.00753	-0.11063	0.01678	-0.17961	9.51E-05	0.076424
0.032628	0.48181	0.114491	0.0133	-0.04113	0.37516	0.083176	0.07254	-0.23627
0.004747	0.91852	0.07458	0.10748	0.084533	0.06798	0.128054	0.00558	0.160798
0.028531	0.53854	0.237435	2.08E-07	0.165524	0.00033	0.282997	4.76E-10	0.128138
0.08745	0.05898	0.111136	0.01628	-0.0738	0.1112	0.072102	0.11971	-0.10873
-0.01025	0.82514	-0.02679	0.5636	0.065808	0.15565	-0.05112	0.27027	-0.05534
0.05078	0.27346	-0.07008	0.13048	-0.02482	0.59262	-0.04269	0.35736	0.008703
0.073183	0.11425	-0.08413	0.0693	-0.00696	0.88068	-0.12765	0.00574	0.050262
0.05037	0.27736	-0.04313	0.35234	-0.05689	0.21979	-0.05366	0.24716	-0.04956
-0.13548	0.00335	-0.1761	0.00013	-0.15994	0.00052	-0.14168	0.00215	-0.17343
0.024466	0.59793	0.037537	0.41835	0.029631	0.52298	0.068586	0.13889	0.018384
-0.02802	0.54591	0.01574	0.73443	-0.02976	0.52113	0.032003	0.49025	-0.1402
0.085169	0.06593	0.009134	0.84394	0.022815	0.62288	-0.03005	0.51709	-0.03392
0.014941	0.74743	-0.1289	0.00527	-0.10512	0.0231	-0.14786	0.00135	0.005852
-0.01284	0.78197	-0.06071	0.19032	-0.14003	0.00242	-0.08477	0.06721	0.01257
0.024309	0.60028	0.148291	0.00131	-0.04617	0.3194	0.015239	0.74257	-0.23541
0.026563	0.56692	-0.16956	0.00023	-0.11421	0.01353	-0.1622	0.00043	0.127867
-0.06748	0.14537	-0.2117	3.93E-06	-0.08771	0.05821	-0.19592	2.01E-05	-0.01465
0.125727	0.00652	0.343965	2.04E-14	0.236359	2.37E-07	0.302257	2.54E-11	0.074135
-0.03194	0.49104	0.012098	0.79428	-0.00592	0.8985	0.005919	0.89849	-0.00217
-0.05749	0.21491	-0.21341	3.27E-06	-0.07831	0.09098	-0.12866	0.00536	0.201187
-0.01697	0.71454	-0.19167	3.05E-05	-0.16322	0.0004	-0.23641	2.36E-07	-0.11456
0.013705	0.7677	-0.04999	0.28103	0.016126	0.72816	-0.01577	0.73387	0.103166
0.012344	0.79021	0.024336	0.59988	0.064096	0.16671	-0.05717	0.21751	0.02853
0.025932	0.57617	0.090342	0.05105	-0.02072	0.65518	0.062311	0.17887	-0.12596
-0.04451	0.33721	0.106376	0.0215	0.017776	0.70161	0.192892	2.71E-05	0.024006
-0.07635	0.09937	0.077281	0.0953	-0.02288	0.62191	0.177572	0.00011	-0.03914
0.091317	0.04859	0.201955	1.09E-05	0.270991	2.65E-09	0.16214	0.00044	0.152865
-0.03593	0.43851	0.093757	0.04285	0.081127	0.07989	0.12952	0.00506	-0.08616
-0.04067	0.38058	0.086508	0.06177	-0.02686	0.56255	0.071817	0.12118	-0.12036
-0.03299	0.47701	0.119508	0.00974	0.002031	0.96509	0.128612	0.00538	0.003959
-0.02378	0.60819	-0.02508	0.58873	-0.01295	0.7802	-0.05271	0.25562	-0.00208
0.004218	0.92756	-0.05639	0.22384	-0.10592	0.02207	-0.06256	0.17716	-0.02726
0.108415	0.0191	0.038029	0.41227	0.198554	1.54E-05	0.108691	0.0188	0.216998
-0.11943	0.00979	-0.0195	0.67426	-0.13845	0.00272	-0.08814	0.05699	-0.06737
-0.07971	0.0853	0.128826	0.0053	-0.00905	0.84537	0.144541	0.00174	-0.0612
0.025953	0.57586	-0.02724	0.55704	0.019783	0.6698	-0.04039	0.38386	-0.03301
-0.01434	0.75734	-0.14847	0.00129	-0.07575	0.10205	-0.11108	0.01633	0.136046

-0.07372	0.11162	-0.11541	0.01257	-0.10946	0.01797	-0.11619	0.01198	-0.04762
0.000267	0.99541	-0.08149	0.07855	-0.16368	0.00038	-0.05487	0.23664	-0.0139
0.017204	0.71078	0.034545	0.45643	0.007694	0.86829	0.017011	0.71387	0.126838
0.035318	0.44641	-0.05281	0.25467	-0.01473	0.75086	0.014549	0.75384	0.034798
0.017293	0.70935	0.028951	0.53257	0.002146	0.96311	0.030344	0.51303	-0.08023
0.007277	0.87537	-0.15654	0.00069	-0.09926	0.03199	-0.15434	0.00082	0.046308
0.034121	0.46198	0.103388	0.02547	-0.00681	0.88325	0.005813	0.90031	0.046388
0.099496	0.03158	0.044171	0.34087	0.079281	0.08701	0.057093	0.21814	0.035518
0.08019	0.08344	0.033836	0.46573	0.078011	0.0922	0.077967	0.09239	0.010267
0.094694	0.04081	0.045837	0.32296	0.083811	0.07037	0.055666	0.22988	0.03373
0.243661	9.71E-08	0.012171	0.79308	0.043587	0.34729	0.020002	0.66637	0.033429
0.014706	0.75128	0.041912	0.36616	-0.01215	0.79337	0.029373	0.52661	0.086416
0.126443	0.00622	-0.01558	0.73695	0.014164	0.76014	0.015871	0.73229	0.079545
0.028158	0.54385	-0.074	0.11027	0.012218	0.79229	-0.04979	0.28291	0.008407
0.123375	0.0076	0.058827	0.20446	0.114929	0.01295	0.077461	0.09453	0.075029
0.004532	0.92218	-0.00531	0.9089	0.090036	0.05184	0.095444	0.03923	0.153821
0.190251	3.50E-05	-0.0081	0.86143	0.036217	0.43491	-0.01514	0.74421	-0.02763
0.063167	0.17296	-0.0651	0.16015	-0.00508	0.91285	-0.05833	0.20828	0.072489
0.046607	0.31488	-0.10731	0.02037	-0.11341	0.0142	-0.13257	0.00411	0.093421
-0.02382	0.60769	-0.16959	0.00023	-0.06602	0.15434	-0.18124	8.19E-05	0.001937
-0.07169	0.12183	0.016172	0.72741	-0.20221	1.06E-05	-0.07324	0.11398	-0.1336
0.051402	0.26762	0.089429	0.05345	0.110221	0.01718	0.149673	0.00118	0.040221
0.092048	0.04681	0.116737	0.01158	0.081006	0.08034	0.127065	0.00597	-0.05259
0.007549	0.87076	0.210316	4.56E-06	0.139503	0.00252	0.207851	5.92E-06	0.133441
0.038664	0.4045	-0.12345	0.00757	-0.01047	0.82139	-0.15549	0.00075	-0.05122
0.122848	0.00787	0.058101	0.21011	0.031961	0.49082	0.036723	0.42851	0.104863
0.092147	0.04657	-0.06208	0.18046	0.059859	0.19662	-0.0779	0.09267	0.011318
-0.01779	0.7014	-0.13788	0.00283	-0.08167	0.0779	-0.08614	0.0629	-0.05436
0.01551	0.73815	-0.04132	0.37298	-0.06319	0.17279	-0.05128	0.2688	0.030875
-0.01874	0.6863	-0.0911	0.04914	-0.11639	0.01184	-0.15172	0.00101	0.078543
0.022623	0.6258	-0.13769	0.00287	-0.16776	0.00027	-0.13107	0.00455	0.042519
-0.01936	0.67639	-0.14047	0.00235	-0.1719	0.00019	-0.12784	0.00567	0.15505
0.043648	0.34662	0.004734	0.91874	-0.0623	0.17897	0.032634	0.48173	-0.00702
-0.00074	0.98731	-0.02323	0.61652	-0.02926	0.52821	0.078243	0.09124	0.278802
0.003811	0.93454	0.054173	0.24264	-0.02007	0.66523	0.068146	0.14145	-0.00839
0.047591	0.30476	0.256288	1.94E-08	0.203237	9.58E-06	0.320454	1.30E-12	0.188228
0.029522	0.52451	-0.03882	0.4026	0.040952	0.37725	0.003552	0.93897	0.251418
-0.00594	0.89817	0.050673	0.27448	0.021384	0.64485	0.039876	0.38992	-0.09794
-0.01681	0.7171	0.011966	0.79648	-0.06408	0.16684	-0.00609	0.8955	-0.0953
0.087078	0.06007	0.008377	0.85672	-0.00896	0.84683	-0.05542	0.23195	-0.01588
-0.08264	0.07441	-0.09132	0.04858	-0.11434	0.01342	-0.12464	0.007	-0.04249
-0.05655	0.22257	-0.02649	0.56804	-0.03102	0.50374	0.05844	0.20746	-0.01404
0.005147	0.91166	0.173315	0.00017	0.13478	0.00352	0.164771	0.00035	0.001654
0.05486	0.23671	0.028978	0.53218	0.078432	0.09046	0.020086	0.66506	0.034417
-0.0231	0.61856	-0.04976	0.28321	-0.00768	0.86856	-0.01803	0.69751	0.238987

1.85E-05	0.99968	0.010456	0.82171	0.006756	0.88423	0.005662	0.90288	-0.02241
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0.0013	0.97765	-0.0383	0.40897	0.030168	0.51547	-0.01159	0.80272	-0.00663
0.015486	0.73855	0.001287	0.97788	0.079321	0.08685	-0.01861	0.6883	0.000312
-0.04802	0.30038	0.129	0.00524	-0.06179	0.1825	0.069988	0.13098	-0.14007
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0.007855	0.86557	-0.14777	0.00136	0.006858	0.88249	-0.11589	0.0122	0.153557
0.042525	0.35918	-0.12202	0.0083	-0.02646	0.56849	-0.13847	0.00271	0.113312
0.006562	0.88753	0.004859	0.9166	-0.0115	0.80431	0.041754	0.36797	0.019706
0.046523	0.31576	0.260017	1.18E-08	0.188812	4.02E-05	0.23589	2.51E-07	0.08129
0.195516	2.09E-05	0.128409	0.00545	0.10251	0.02675	0.118059	0.01067	0.091931
0.110373	0.01703	0.224515	9.51E-07	0.21578	2.53E-06	0.124976	0.00685	0.169363
-0.15999	0.00052	-0.29611	6.63E-11	-0.21689	2.24E-06	-0.23016	4.95E-07	0.105321
-0.03345	0.47086	-0.04639	0.31718	-0.05265	0.2562	0.071294	0.12393	0.193072
-0.02216	0.63286	0.266576	4.87E-09	0.150305	0.00112	0.254276	2.52E-08	0.133629
0.071855	0.12099	0.007763	0.86712	-0.00372	0.93606	0.001512	0.97401	-0.07556
-0.0734	0.11316	-0.04266	0.35762	-0.05556	0.23076	-0.0239	0.60646	0.002694
0.011304	0.80752	-0.04088	0.37805	-0.05811	0.21006	-0.04968	0.28398	-0.09052
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0.015897	0.73187	-0.02168	0.64021	-0.04978	0.28298	-0.03496	0.45103	-0.08163
-0.03759	0.41766	0.198345	1.58E-05	0.204154	8.71E-06	0.216166	2.42E-06	0.153838
-0.03981	0.39071	-0.19901	1.47E-05	-0.13007	0.00487	-0.25041	4.15E-08	0.096061
-0.04156	0.37021	-0.00767	0.86868	0.033371	0.47188	0.100467	0.02995	0.350744
0.027718	0.55017	0.002139	0.96323	-0.00147	0.97481	-0.02626	0.57141	0.007957
0.061355	0.18564	0.069169	0.13556	0.031434	0.498	0.012983	0.77961	0.045171
0.079699	0.08535	0.179821	9.33E-05	0.070851	0.12628	0.148134	0.00133	0.041342
0.037418	0.41982	0.182046	7.60E-05	0.132032	0.00426	0.134832	0.00351	-0.08314
-0.02873	0.53574	-0.06829	0.14064	-0.16769	0.00027	-0.14644	0.00151	-0.20762
-0.17259	0.00018	-0.1776	0.00011	-0.07866	0.08952	-0.2249	9.10E-07	-0.1206
0.084236	0.06896	0.174153	0.00016	0.198789	1.51E-05	0.177623	0.00011	0.073312
0.024272	0.60084	0.065025	0.16064	0.156241	0.0007	0.19094	3.27E-05	0.101818
0.046353	0.31753	0.216592	2.31E-06	0.109647	0.01777	0.140307	0.00237	-0.0403
-0.09059	0.05042	-0.01307	0.77823	-0.07501	0.10547	-0.07436	0.10855	-0.20663
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-0.15667	0.00068	-0.12592	0.00643	-0.25747	1.66E-08	-0.06608	0.15392	-0.03678
-0.03012	0.51619	-0.01946	0.67486	-0.05357	0.24797	-0.11162	0.01581	-0.17422
0.054354	0.24107	0.095711	0.03868	0.060709	0.19032	0.020947	0.65163	-0.14142
0.025628	0.58065	-0.0267	0.56497	0.017198	0.71087	-0.03103	0.50356	0.02602
-0.07327	0.1138	-0.09916	0.03216	-0.07138	0.12346	-0.17384	0.00016	-0.03516
0.063251	0.17239	0.146363	0.00152	0.175913	0.00013	0.220781	1.45E-06	0.089293
0.020005	0.66633	-0.06506	0.16044	-0.07245	0.11792	-0.10755	0.02008	-0.05904
0.030583	0.50972	-0.06667	0.15028	-0.016	0.73015	0.001905	0.96724	0.146582
0.018042	0.69737	-0.0033	0.94333	-0.02183	0.63797	0.006016	0.89684	-0.01409
0.013596	0.76949	-0.14216	0.00207	-0.07223	0.11907	-0.14365	0.00186	0.21507
0.086581	0.06155	-0.0444	0.33832	0.02783	0.54856	-0.05097	0.27166	0.068326

0.046236	0.31876	0.013809	0.76599	-0.00385	0.93394	-0.00402	0.93101	-0.01842
0.031063	0.50309	0.098047	0.03415	0.263485	7.42E-09	0.180444	8.81E-05	0.217538
0.029899	0.51923	-0.13406	0.0037	-0.10983	0.01758	-0.02376	0.6085	0.061458
-0.10591	0.02207	-0.19333	2.59E-05	-0.22732	6.89E-07	-0.21765	2.06E-06	-0.05992
-0.06943	0.13406	0.021499	0.64307	-0.09903	0.03238	0.115261	0.01269	0.025657
-0.05174	0.26446	-0.00487	0.91634	-0.06014	0.19453	-0.13589	0.00326	-0.15787
-0.02044	0.65956	0.053851	0.24546	0.120166	0.00934	0.051854	0.26342	0.044721
-0.09014	0.05158	-0.18303	6.94E-05	-0.20738	6.22E-06	-0.1531	0.0009	-0.12681
-0.01368	0.76809	0.054979	0.2357	0.032062	0.48945	0.034644	0.45514	0.086618
-0.01698	0.71432	0.008953	0.84699	-0.06796	0.14254	0.021171	0.64815	-0.06606
0.018244	0.69415	-0.01446	0.75526	-0.19026	3.50E-05	-0.09913	0.03222	-0.17038
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-0.04405	0.34215	-0.12002	0.00943	-0.06871	0.13817	0.011447	0.80512	0.144381
0.015425	0.73953	0.089068	0.05442	0.112779	0.01475	0.115393	0.01258	0.271611
-0.08362	0.07102	-0.10441	0.02404	-0.17175	0.00019	-0.15928	0.00055	-0.17803
0.132816	0.00404	0.031245	0.50058	-0.01157	0.80311	0.011287	0.80779	-0.10938
0.074408	0.1083	0.071535	0.12265	0.064887	0.16153	0.068996	0.13654	0.081243
0.015487	0.73852	0.100167	0.03044	0.100472	0.02994	0.180441	8.81E-05	0.258385
0.052542	0.25714	0.163615	0.00038	0.088715	0.05539	0.139754	0.00247	0.089642
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0.074178	0.1094	-0.01456	0.75364	0.007019	0.87976	-0.01215	0.79346	0.067255
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0.004717	0.91903	-0.06319	0.17277	-0.08193	0.07693	-0.04743	0.30642	-0.00598
-0.06184	0.18215	-0.05143	0.26735	-0.02751	0.55312	0.037438	0.41957	0.285161
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0.05938	0.20022	0.066274	0.15274	0.062512	0.17747	0.050832	0.27297	0.021892
-0.01748	0.7063	-0.00742	0.87292	-0.00144	0.97525	0.033819	0.46594	0.137292
-0.01143	0.80537	0.017496	0.7061	0.055907	0.22787	-0.06212	0.1802	-0.03588
-0.00504	0.91349	-0.05788	0.21185	-0.02534	0.58491	-0.04991	0.28179	0.079602
-0.01275	0.78345	-0.02741	0.55468	-0.00039	0.99331	-0.00595	0.89795	0.122956
0.00792	0.86446	-0.08127	0.07936	0.005406	0.90725	0.004822	0.91722	0.196694
0.03235	0.48555	0.039571	0.39356	0.045023	0.33163	0.063193	0.17278	0.108643
0.038073	0.41173	-0.05033	0.27777	-0.02709	0.55932	-0.02873	0.53577	0.112114
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0.028934	0.53281	0.291519	1.34E-10	0.283899	4.17E-10	0.220613	1.48E-06	-0.02254
0.020402	0.66012	-0.0444	0.33838	0.069423	0.13413	-0.08047	0.08235	0.2235
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0.010341	0.82364	-0.01388	0.76482	0.036589	0.4302	0.000679	0.98832	0.074455
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0.093958	0.04241	-0.13296	0.004	-0.00323	0.94458	-0.09334	0.04379	0.210994
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0.055952	0.22749	0.053816	0.24577	0.127669	0.00573	0.106186	0.02173	0.149183
0.095149	0.03985	0.203204	9.61E-06	0.224716	9.29E-07	0.203399	9.42E-06	0.057401



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0.124586	0.00703	0.02351	0.61233	0.059106	0.20232	0.000291	0.99499	-0.09576
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0.038878	0.40191	0.011861	0.79823	-0.01061	0.81914	0.017537	0.70544	0.041238
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0.039551	0.3938	0.041943	0.36581	0.111689	0.01575	0.061497	0.18462	0.177247
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0.021813	0.63822	-0.07681	0.09733	-0.12375	0.00742	-0.02374	0.60879	0.142434
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0.010354	0.82341	0.073119	0.11457	0.142459	0.00203	0.014345	0.75717	0.068648
0.005063	0.9131	-0.04512	0.33059	-0.01247	0.78811	-0.07281	0.1161	0.069561
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0.023192	0.61714	-0.04711	0.30963	-0.09025	0.05128	-0.01021	0.82577	0.026156
0.091688	0.04767	-0.05309	0.25217	0.022128	0.63338	-0.05153	0.26644	0.005666
0.014202	0.75953	0.066203	0.15318	0.034013	0.4634	0.129398	0.0051	0.283218
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0.027479	0.55362	-0.07118	0.12455	-0.01856	0.68908	-0.06908	0.13606	0.004065
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0.030724	0.50775	-0.04197	0.36547	-0.06346	0.17097	-0.04501	0.33181	-0.01707
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0.005336	0.90844	-0.07976	0.08512	-0.01237	0.78973	-0.05493	0.23612	0.158333
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0.112766	0.01476	0.116959	0.01142	0.172055	0.00019	-0.02419	0.60208	0.10386
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0.06793	0.14272	-0.07883	0.08882	0.043732	0.3457	-0.05685	0.22014	0.157274
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0.033041	0.47627	-0.03033	0.51324	0.106574	0.02125	-0.06231	0.1789	0.024355
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0.114165	0.01356	0.115783	0.01229	0.102415	0.02689	0.124816	0.00692	0.126472
0.057835	0.21221	0.009545	0.83702	0.096569	0.03696	-0.0358	0.44018	0.189559
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0.03646	0.43183	0.052922	0.25371	0.070717	0.12701	-0.04062	0.38113	0.053409
0.002682	0.9539	-0.01117	0.80978	0.009816	0.83244	-0.0078	0.86651	0.050889
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0.02143	0.64414	0.013633	0.76889	0.05081	0.27317	0.034812	0.45295	0.143512
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0.028559	0.53814	0.0229	0.62158	0.110975	0.01643	-6.19E-05	0.99894	0.108143
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0.03419	0.46106	-0.11948	0.00976	0.029288	0.52781	-0.07376	0.1114	0.179658
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0.08166	0.07792	-0.03012	0.51614	0.065347	0.15858	-0.0802	0.0834	-0.01253
0.117646	0.01095	0.003852	0.93384	0.089296	0.05381	0.003402	0.94154	0.01066
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0.095218	0.0397	0.007405	0.8732	0.016881	0.71597	-0.00059	0.98989	0.06947
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0.036892	0.42639	-0.0029	0.95017	-0.03319	0.47425	-0.00264	0.95471	-0.02367
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0.204043	8.81E-06	0.551774	1.46E-38	0.46577	1.60E-26	0.391612	1.45E-18	0.1492
0.077877	0.09277	0.382516	1.01E-17	0.291517	1.34E-10	0.346208	1.35E-14	-0.01056
0.095521	0.03907	0.420348	2.03E-21	0.379104	2.08E-17	0.383132	8.91E-18	0.205541
0.163114	0.0004	0.633	1.17E-53	0.514878	5.65E-33	0.58217	1.02E-43	0.422593
0.110558	0.01684	0.657613	3.58E-59	0.559512	7.99E-40	0.581232	1.50E-43	0.510597
0.129262	0.00515	0.721428	3.17E-76	0.519018	1.44E-33	0.565424	8.24E-41	0.255322
0.286086	3.02E-10	0.754142	5.88E-87	0.770434	5.89E-93	0.64468	3.28E-56	0.217618
0.156081	0.00071	0.925591	#####	0.781956	1.66E-97	0.863446	#####	0.308736
0.151745	0.001	0.769022	2.04E-92	0.69938	8.02E-70	0.755389	2.12E-87	0.251989
0.052441	0.25805	0.424275	7.88E-22	0.146697	0.00148	0.305016	1.64E-11	-0.0159
0.174612	0.00015	0.582041	1.08E-43	0.403758	9.74E-20	0.471148	3.52E-27	0.062358
0.069991	0.13096	0.388993	2.55E-18	0.225147	8.85E-07	0.283566	4.37E-10	-0.02333
0.113051	0.01451	0.750556	1.06E-85	0.540014	1.05E-36	0.715725	1.64E-74	0.209307
0.201589	1.13E-05	0.575475	1.56E-42	0.530753	2.70E-35	0.378297	2.45E-17	0.199168
0.132968	0.00399	0.403314	1.08E-19	0.296768	5.99E-11	0.35616	2.06E-15	0.15814
0.253335	2.84E-08	0.859378	#####	0.824335	#####	0.79951	#####	0.372384
0.117425	0.0111	0.684451	8.25E-66	0.526282	1.25E-34	0.540279	9.55E-37	0.249422
0.202177	1.07E-05	0.632111	1.82E-53	0.503997	1.87E-31	0.487903	2.66E-29	0.240799
0.243058	1.05E-07	0.898495	#####	0.761493	1.32E-89	0.71418	4.71E-74	0.245386
0.144635	0.00173	0.425278	6.18E-22	0.297363	5.46E-11	0.362374	6.14E-16	0.011909

0.172268	0.00018	0.693619	3.03E-68	0.529298	4.46E-35	0.542157	4.88E-37	0.121518
0.101801	0.02782	0.869882	#####	0.656638	6.06E-59	0.767771	6.08E-92	0.308684
0.327465	3.91E-13	0.831025	#####	0.802703	#####	0.703482	5.72E-71	0.264293
0.208816	5.35E-06	0.910443	#####	0.856943	#####	0.839288	#####	0.35823
0.135881	0.00326	0.721298	3.47E-76	0.550826	2.08E-38	0.58005	2.44E-43	0.184957
0.039721	0.39177	0.386967	3.94E-18	0.270357	2.89E-09	0.269935	3.06E-09	0.106445
0.172873	0.00017	0.621237	3.41E-51	0.40623	5.55E-20	0.502507	3.00E-31	0.213662
0.130566	0.00471	0.917437	#####	0.732032	1.57E-79	0.765003	6.67E-91	0.267076
0.291398	1.36E-10	0.807897	#####	0.696684	4.44E-69	0.68082	7.18E-65	0.211677
0.169441	0.00023	0.939235	#####	0.744396	1.37E-83	0.771555	2.18E-93	0.268082
0.122963	0.00781	0.895804	#####	0.651277	1.05E-57	0.736792	4.58E-81	0.218503
0.389171	2.45E-18	0.75894	1.13E-88	0.78487	1.06E-98	0.620462	4.92E-51	0.22014
0.195836	2.03E-05	0.865905	#####	0.768622	2.89E-92	0.824233	#####	0.243548
0.215386	2.64E-06	0.76268	4.85E-90	0.726969	6.21E-78	0.685879	3.49E-66	0.477661
0.108573	0.01893	0.901499	#####	0.653508	3.23E-58	0.772352	1.07E-93	0.204256
0.1355	0.00335	0.931449	#####	0.706563	7.65E-72	0.752469	2.28E-86	0.221579
0.227967	6.39E-07	0.902111	#####	0.776167	3.47E-95	0.698222	1.68E-69	0.317976
0.244159	9.13E-08	0.742115	8.01E-83	0.648889	3.69E-57	0.555519	3.61E-39	0.176714
0.204664	8.26E-06	0.909569	#####	0.858051	#####	0.875421	#####	0.352464
0.185731	5.39E-05	0.812042	#####	0.676875	7.27E-64	0.634275	6.25E-54	0.198839
0.105695	0.02235	0.793623	#####	0.604934	6.01E-48	0.71404	5.18E-74	0.196727
0.198097	1.62E-05	0.900949	#####	0.685063	5.71E-66	0.751283	5.93E-86	0.252945
0.116672	0.01163	0.831622	#####	0.558237	1.30E-39	0.719728	1.04E-75	0.254908
0.11289	0.01465	0.49343	4.99E-30	0.322742	8.81E-13	0.4389	2.07E-23	0.1256
0.124746	0.00695	0.822927	#####	0.602031	2.18E-47	0.632202	1.74E-53	0.242311
0.151181	0.00105	0.655006	1.45E-58	0.494931	3.16E-30	0.547299	7.58E-38	0.1427
0.145875	0.00157	0.893982	#####	0.700924	2.98E-70	0.674783	2.44E-63	0.280825
0.083622	0.07101	0.55184	1.43E-38	0.392267	1.25E-18	0.462271	4.21E-26	0.16544
0.193643	2.52E-05	0.831	#####	0.708913	1.62E-72	0.613991	9.98E-50	0.209424
0.226876	7.25E-07	0.605609	4.45E-48	0.564808	1.05E-40	0.384239	7.05E-18	0.233005
0.232572	3.73E-07	0.547976	5.92E-38	0.403847	9.54E-20	0.377101	3.15E-17	0.074956
0.090282	0.0512	0.8595	#####	0.657495	3.82E-59	0.830264	#####	0.2621
0.122542	0.00802	0.478473	4.30E-28	0.397111	4.32E-19	0.352295	4.31E-15	0.105377
0.29047	1.57E-10	0.843652	#####	0.744816	9.89E-84	0.657104	4.71E-59	0.259637
0.131932	0.00429	0.831786	#####	0.637555	1.22E-54	0.718331	2.74E-75	0.186917
0.169499	0.00023	0.782443	1.05E-97	0.625678	4.12E-52	0.626169	3.26E-52	0.189955
0.100567	0.02978	0.756279	1.02E-87	0.548085	5.69E-38	0.649855	2.23E-57	0.213948
0.034176	0.46125	0.755063	2.77E-87	0.565917	6.80E-41	0.523506	3.21E-34	0.259056
0.166361	0.00031	0.782771	7.71E-98	0.683946	1.12E-65	0.628176	1.24E-52	0.243736
0.136731	0.00307	0.922723	#####	0.65242	5.76E-58	0.739185	7.52E-82	0.218263
0.171187	0.0002	0.446577	2.85E-24	0.348037	9.60E-15	0.34097	3.54E-14	0.084289
0.213627	3.19E-06	0.898607	#####	0.79208	#####	0.71356	7.17E-74	0.264668
0.189074	3.92E-05	0.695034	1.25E-68	0.497153	1.59E-30	0.569011	2.03E-41	0.185108
0.206617	6.74E-06	0.795919	#####	0.800037	#####	0.668248	1.02E-61	0.357842
0.024879	0.59177	0.473927	1.60E-27	0.199748	1.37E-05	0.435116	5.40E-23	0.104961

0.069039	0.1363	0.434813	5.83E-23	0.343892	2.07E-14	0.356009	2.12E-15	0.251896
0.083948	0.06991	0.535535	5.11E-36	0.322093	9.84E-13	0.417428	4.08E-21	0.071511
0.124688	0.00698	0.375004	4.85E-17	0.181277	8.16E-05	0.276381	1.24E-09	-0.11447
0.126663	0.00613	0.423156	1.03E-21	0.329974	2.52E-13	0.312167	5.16E-12	0.114599
0.285146	3.47E-10	0.797514	#####	0.650864	1.31E-57	0.555018	4.36E-39	0.214684
0.208717	5.40E-06	0.741951	9.09E-83	0.637143	1.50E-54	0.598759	9.13E-47	0.237053
0.191215	3.19E-05	0.441088	1.18E-23	0.272021	2.29E-09	0.403602	1.01E-19	0.024047
0.259005	1.35E-08	0.880721	#####	0.757292	4.43E-88	0.794972	#####	0.280093
0.120397	0.00921	0.799603	#####	0.627951	1.38E-52	0.588976	6.03E-45	0.229117
0.016401	0.72371	0.403235	1.10E-19	0.223713	1.04E-06	0.404372	8.47E-20	0.324451
0.314648	3.43E-12	0.570291	1.23E-41	0.412235	1.39E-20	0.412295	1.37E-20	0.047367
0.307377	1.12E-11	0.671385	1.72E-62	0.561014	4.51E-40	0.472991	2.09E-27	0.149004
0.35742	1.61E-15	0.848901	#####	0.727826	3.36E-78	0.641217	1.92E-55	0.226419
0.111816	0.01563	0.558901	1.01E-39	0.436178	4.13E-23	0.363361	5.06E-16	0.119261
0.267232	4.45E-09	0.757308	4.37E-88	0.63221	1.73E-53	0.564366	1.24E-40	0.216025
0.234345	3.02E-07	0.520919	7.65E-34	0.475359	1.06E-27	0.386861	4.03E-18	0.149418
0.211391	4.06E-06	0.758831	1.23E-88	0.585477	2.61E-44	0.553569	7.50E-39	0.164332
0.174747	0.00015	0.752151	2.95E-86	0.618107	1.48E-50	0.759268	8.57E-89	0.360276
0.162214	0.00043	0.723709	6.36E-77	0.547226	7.79E-38	0.622668	1.73E-51	0.257899
0.180938	8.42E-05	0.694419	1.84E-68	0.679729	1.37E-64	0.58578	2.30E-44	0.423129
0.207415	6.20E-06	0.855351	#####	0.687686	1.17E-66	0.627398	1.80E-52	0.234583
0.163009	0.0004	0.775797	4.85E-95	0.65378	2.80E-58	0.782898	6.84E-98	0.196383
0.201275	1.17E-05	0.749823	1.91E-85	0.651649	8.66E-58	0.793131	#####	0.284192
0.04967	0.2841	0.571763	6.85E-42	0.407459	4.18E-20	0.513178	9.84E-33	0.165334
0.133992	0.00372	0.5853	2.81E-44	0.435765	4.58E-23	0.504354	1.67E-31	0.174273
0.247011	6.38E-08	0.779263	2.03E-96	0.710372	6.13E-73	0.525194	1.81E-34	0.303644
0.35826	1.37E-15	0.7242	4.49E-77	0.785152	8.08E-99	0.535281	5.59E-36	0.309023
0.006794	0.88359	0.590791	2.80E-45	0.376253	3.75E-17	0.470482	4.25E-27	0.220823
0.104959	0.02331	0.490412	1.25E-29	0.371998	8.96E-17	0.401381	1.67E-19	-0.07912
0.171806	0.00019	0.762547	5.43E-90	0.651302	1.04E-57	0.801195	#####	0.290221
0.242529	1.12E-07	0.868518	#####	0.754477	4.47E-87	0.679724	1.37E-64	0.22223
0.112706	0.01482	0.807757	#####	0.627565	1.66E-52	0.646813	1.09E-56	0.195928
0.072546	0.11744	0.735823	9.46E-81	0.502844	2.70E-31	0.570148	1.30E-41	0.191547
0.132292	0.00419	0.821738	#####	0.611679	2.88E-49	0.679356	1.70E-64	0.172344
0.18388	6.41E-05	0.839976	#####	0.710376	6.11E-73	0.624024	9.09E-52	0.200475
0.114025	0.01368	0.821223	#####	0.581453	1.37E-43	0.705699	1.35E-71	0.206073
0.15988	0.00052	0.809308	#####	0.568276	2.71E-41	0.816086	#####	0.25184
0.109435	0.018	0.49773	1.33E-30	0.426321	4.79E-22	0.44779	2.07E-24	0.395012
0.23108	4.45E-07	0.810281	#####	0.696886	3.90E-69	0.666334	2.97E-61	0.251459
0.283942	4.14E-10	0.859891	#####	0.794609	#####	0.673192	6.11E-63	0.347162
0.174524	0.00015	0.793446	#####	0.616799	2.73E-50	0.614647	7.38E-50	0.242937
0.118681	0.01026	0.735422	1.28E-80	0.665114	5.87E-61	0.592975	1.11E-45	0.264749
0.043212	0.35146	0.457109	1.73E-25	0.277127	1.11E-09	0.292928	1.08E-10	0.080341
0.071095	0.12498	0.7528	1.75E-86	0.566676	5.06E-41	0.61558	4.80E-50	0.235141
0.131741	0.00435	0.581139	1.56E-43	0.504498	1.60E-31	0.395997	5.53E-19	0.274281

0.260462	1.11E-08	0.919859	#####	0.776753	2.03E-95	0.836087	#####	0.326659
0.235965	2.49E-07	0.85869	#####	0.763075	3.47E-90	0.693368	3.54E-68	0.200321
0.235928	2.50E-07	0.769895	9.47E-93	0.676428	9.43E-64	0.690571	2.00E-67	0.324253
0.289683	1.76E-10	0.798355	#####	0.707266	4.81E-72	0.654622	1.79E-58	0.284072
0.247496	6.01E-08	0.904561	#####	0.810425	#####	0.838176	#####	0.315294
0.099868	0.03095	0.796216	#####	0.66138	4.61E-60	0.611137	3.68E-49	0.257758
0.160756	0.00049	0.902928	#####	0.744132	1.68E-83	0.840629	#####	0.307351
0.048462	0.29598	0.634914	4.55E-54	0.504248	1.73E-31	0.476833	6.92E-28	0.187782
0.238929	1.74E-07	0.826332	#####	0.717415	5.15E-75	0.619191	8.93E-51	0.239372
0.034039	0.46306	0.464194	2.48E-26	0.283869	4.18E-10	0.469405	5.77E-27	0.326588
-0.02187	0.6374	0.484657	7.00E-29	0.275894	1.33E-09	0.367031	2.44E-16	0.006988
0.239892	1.55E-07	0.916479	#####	0.777963	6.72E-96	0.802393	#####	0.249256
0.289817	1.73E-10	0.845417	#####	0.806328	#####	0.580552	1.99E-43	0.257456
0.103639	0.02511	0.455399	2.74E-25	0.323383	7.89E-13	0.321121	1.16E-12	0.033168
0.196549	1.89E-05	0.369384	1.52E-16	0.325511	5.48E-13	0.232575	3.73E-07	0.084138
0.069768	0.1322	0.597189	1.81E-46	0.467732	9.23E-27	0.462071	4.45E-26	0.313936
0.148176	0.00132	0.765042	6.45E-91	0.650351	1.72E-57	0.608509	1.21E-48	0.128509
0.107808	0.01979	0.531772	1.90E-35	0.49651	1.94E-30	0.411117	1.80E-20	0.22762
0.043749	0.3455	0.59527	4.13E-46	0.507705	5.76E-32	0.413953	9.27E-21	0.182889
0.231089	4.44E-07	0.704562	2.83E-71	0.64475	3.16E-56	0.492572	6.49E-30	0.239117
0.034149	0.4616	0.084505	0.06807	0.16762	0.00027	0.073393	0.11321	0.072389
0.136316	0.00316	0.772047	1.41E-93	0.56135	3.96E-40	0.639312	5.04E-55	0.325208
0.041339	0.37275	0.453055	5.14E-25	0.340266	4.02E-14	0.371096	1.08E-16	0.121602
0.194552	2.30E-05	0.413569	1.01E-20	0.274192	1.69E-09	0.281419	5.99E-10	0.10708
0.319162	1.61E-12	0.800206	#####	0.727207	5.24E-78	0.607238	2.15E-48	0.266403
0.140132	0.0024	0.836084	#####	0.649728	2.38E-57	0.702348	1.19E-70	0.245439
0.251538	3.59E-08	0.801205	#####	0.782269	1.24E-97	0.711317	3.25E-73	0.252938
0.184403	6.10E-05	0.804014	#####	0.619706	7.02E-51	0.733189	6.70E-80	0.222652
0.349198	7.73E-15	0.863147	#####	0.688859	5.71E-67	0.674949	2.22E-63	0.196298
0.177267	0.00012	0.613068	1.53E-49	0.418566	3.11E-21	0.545214	1.62E-37	0.372027
0.145104	0.00167	0.505282	1.25E-31	0.353513	3.42E-15	0.487257	3.23E-29	0.054842
0.205403	7.65E-06	0.751999	3.33E-86	0.561274	4.08E-40	0.624743	6.45E-52	0.175018
0.156859	0.00067	0.432459	1.05E-22	0.346997	1.17E-14	0.373504	6.59E-17	0.085033
0.13405	0.00371	0.544409	2.17E-37	0.502221	3.28E-31	0.459646	8.66E-26	0.294513
0.213522	3.23E-06	0.773521	3.78E-94	0.634224	6.41E-54	0.540961	7.48E-37	0.208833
0.162107	0.00044	0.784768	1.16E-98	0.684644	7.34E-66	0.765612	3.95E-91	0.298877
0.208584	5.48E-06	0.588637	6.95E-45	0.471295	3.38E-27	0.481198	1.94E-28	0.327166
0.118023	0.01069	0.76622	2.34E-91	0.555692	3.39E-39	0.637383	1.33E-54	0.197998
0.191346	3.15E-05	0.655267	1.26E-58	0.495006	3.08E-30	0.472262	2.57E-27	0.200497
0.144552	0.00174	0.772653	8.22E-94	0.572312	5.51E-42	0.715856	1.50E-74	0.206876
0.107031	0.0207	0.849113	#####	0.631507	2.44E-53	0.74968	2.14E-85	0.248826
0.2364	2.36E-07	0.767016	1.17E-91	0.692452	6.26E-68	0.520325	9.33E-34	0.160347
0.165151	0.00034	0.43216	1.13E-22	0.318982	1.66E-12	0.333338	1.40E-13	0.13937
0.316203	2.65E-12	0.708773	1.78E-72	0.604389	7.67E-48	0.551737	1.48E-38	0.292357
0.219913	1.60E-06	0.615631	4.68E-50	0.487044	3.44E-29	0.425511	5.84E-22	0.07894

0.163667	0.00038	0.464301	2.40E-26	0.326859	4.34E-13	0.401349	1.68E-19	0.157967
0.298869	4.32E-11	0.853131	#####	0.821529	#####	0.649568	2.59E-57	0.29686
0.261004	1.04E-08	0.838059	#####	0.704023	4.03E-71	0.670366	3.07E-62	0.172728
0.350341	6.23E-15	0.797337	#####	0.780526	6.30E-97	0.603179	1.31E-47	0.29605
0.082678	0.07427	0.487612	2.90E-29	0.327355	3.98E-13	0.339392	4.71E-14	-0.0253
0.129584	0.00504	0.842194	#####	0.568722	2.27E-41	0.641079	2.06E-55	0.207378
0.17729	0.00012	0.680855	7.03E-65	0.571471	7.69E-42	0.579777	2.73E-43	0.29862
0.263461	7.44E-09	0.800137	#####	0.666028	3.52E-61	0.741976	8.91E-83	0.225357
0.200652	1.25E-05	0.790347	#####	0.611241	3.51E-49	0.601629	2.60E-47	0.20621
0.138484	0.00271	0.829946	#####	0.679231	1.83E-64	0.679595	1.48E-64	0.276288
0.166404	0.0003	0.877512	#####	0.659422	1.34E-59	0.808227	#####	0.226314
0.178029	0.00011	0.898164	#####	0.712803	1.20E-73	0.791255	#####	0.258435
0.318694	1.75E-12	0.907915	#####	0.777119	1.46E-95	0.658008	2.89E-59	0.275041
0.072464	0.11786	0.404564	8.11E-20	0.291904	1.26E-10	0.354328	2.92E-15	0.155846
0.352513	4.13E-15	0.655296	1.24E-58	0.540494	8.84E-37	0.526582	1.13E-34	0.116221
0.167868	0.00027	0.831162	#####	0.667245	1.78E-61	0.764773	8.13E-91	0.332955
0.146029	0.00155	0.928997	#####	0.703856	4.49E-71	0.813227	#####	0.21075
0.255969	2.02E-08	0.892686	#####	0.812223	#####	0.736449	5.92E-81	0.259791
0.191681	3.05E-05	0.552053	1.32E-38	0.365091	3.59E-16	0.447508	2.23E-24	0.264219
0.051993	0.26215	0.530565	2.89E-35	0.419211	2.67E-21	0.391532	1.47E-18	0.164922
0.317042	2.30E-12	0.708982	1.55E-72	0.505768	1.07E-31	0.49513	2.97E-30	0.113567
0.151183	0.00105	0.870827	#####	0.597301	1.72E-46	0.742792	4.75E-83	0.134168
0.151137	0.00105	0.899025	#####	0.811456	#####	0.887275	#####	0.318734
0.237829	1.99E-07	0.704245	3.48E-71	0.595271	4.13E-46	0.531555	2.05E-35	0.188399
0.228845	5.77E-07	0.745018	8.45E-84	0.73053	4.72E-79	0.634855	4.69E-54	0.392013
0.162035	0.00044	0.844984	#####	0.72469	3.17E-77	0.855552	#####	0.246115
0.155628	0.00074	0.806536	#####	0.519893	1.08E-33	0.595028	4.59E-46	0.059027
0.216047	2.45E-06	0.918564	#####	0.767297	9.19E-92	0.667634	1.43E-61	0.271981
0.127444	0.00582	0.369331	1.54E-16	0.403269	1.09E-19	0.252001	3.38E-08	0.171792
0.106276	0.02162	0.441925	9.53E-24	0.28504	3.52E-10	0.411586	1.61E-20	0.319549
0.181145	8.26E-05	0.936582	#####	0.694351	1.92E-68	0.739664	5.23E-82	0.277477
0.151322	0.00104	0.890859	#####	0.651956	7.36E-58	0.718306	2.78E-75	0.223461
0.179722	9.41E-05	0.914591	#####	0.717664	4.34E-75	0.700087	5.10E-70	0.298636
0.28815	2.22E-10	0.939922	#####	0.811113	#####	0.751859	3.73E-86	0.253766
0.23223	3.88E-07	0.92738	#####	0.78186	1.81E-97	0.716168	1.21E-74	0.300709
0.26608	5.21E-09	0.905994	#####	0.808079	#####	0.809024	#####	0.31374
0.108313	0.01922	0.615053	6.12E-50	0.445833	3.46E-24	0.571058	9.05E-42	0.134051
0.197291	1.75E-05	0.888729	#####	0.826863	#####	0.905343	#####	0.343495
0.034696	0.45446	0.499985	6.61E-31	0.277164	1.11E-09	0.434089	6.99E-23	0.209194
0.228323	6.14E-07	0.879525	#####	0.776896	1.78E-95	0.75244	2.34E-86	0.415738
0.298493	4.58E-11	0.853846	#####	0.749412	2.65E-85	0.723593	6.90E-77	0.229411
0.110744	0.01666	0.369956	1.36E-16	0.246669	6.67E-08	0.349452	7.37E-15	0.249331
0.268178	3.91E-09	0.740425	2.93E-82	0.707304	4.70E-72	0.557396	1.78E-39	0.241151
0.126735	0.0061	0.728947	1.49E-78	0.50692	7.41E-32	0.649466	2.73E-57	0.244614
0.270338	2.90E-09	0.888774	#####	0.697824	2.16E-69	0.71817	3.06E-75	0.221804

0.160238	0.00051	0.567392	3.83E-41	0.395755	5.83E-19	0.418877	2.89E-21	0.150913
0.248435	5.33E-08	0.792211	#####	0.71487	2.94E-74	0.603558	1.11E-47	0.212304
0.3005	3.35E-11	0.71205	1.99E-73	0.725847	1.39E-77	0.492593	6.45E-30	0.228437
0.190644	3.37E-05	0.912293	#####	0.753472	1.01E-86	0.706525	7.84E-72	0.33377
0.155304	0.00076	0.846226	#####	0.632752	1.33E-53	0.741626	1.17E-82	0.260664
0.219921	1.60E-06	0.831741	#####	0.750148	1.47E-85	0.709337	1.22E-72	0.2599
0.038216	0.40998	0.578585	4.43E-43	0.426615	4.46E-22	0.497768	1.32E-30	0.214576
0.194616	2.29E-05	0.759914	4.99E-89	0.539404	1.30E-36	0.570537	1.11E-41	0.153404
0.175267	0.00014	0.789388	#####	0.626065	3.42E-52	0.614681	7.27E-50	0.262982
0.080382	0.0827	0.410026	2.32E-20	0.350663	5.86E-15	0.352715	3.98E-15	0.094195
0.274742	1.56E-09	0.740144	3.63E-82	0.762841	4.23E-90	0.700132	4.96E-70	0.312017
0.230305	4.87E-07	0.713242	8.89E-74	0.56802	2.99E-41	0.552486	1.12E-38	0.126609
0.253059	2.95E-08	0.911612	#####	0.878819	#####	0.752564	2.11E-86	0.341336
0.30211	2.60E-11	0.836658	#####	0.772451	9.83E-94	0.584471	3.96E-44	0.279386
0.188102	4.30E-05	0.480727	2.23E-28	0.371835	9.27E-17	0.369231	1.57E-16	0.187613
0.222145	1.24E-06	0.658615	2.08E-59	0.525315	1.74E-34	0.451346	8.10E-25	0.224441
0.202473	1.04E-05	0.935481	#####	0.741454	1.33E-82	0.762512	5.59E-90	0.269405
0.06962	0.13302	0.536923	3.14E-36	0.260452	1.12E-08	0.376419	3.62E-17	0.093412
0.168424	0.00026	0.879865	#####	0.73097	3.42E-79	0.900595	#####	0.310909
0.112048	0.01541	0.687467	1.33E-66	0.588386	7.72E-45	0.535427	5.31E-36	0.239744
0.124839	0.00691	0.75125	6.09E-86	0.507831	5.54E-32	0.599129	7.77E-47	0.097704
0.02911	0.53032	0.375783	4.13E-17	0.303144	2.21E-11	0.357247	1.67E-15	0.226569
0.159574	0.00054	0.688539	6.94E-67	0.582271	9.81E-44	0.636	2.65E-54	0.619293
0.189425	3.79E-05	0.531516	2.08E-35	0.461781	4.82E-26	0.415795	6.01E-21	0.171239
0.32748	3.90E-13	0.811376	#####	0.736395	6.17E-81	0.650027	2.03E-57	0.247043
-0.02275	0.62391	0.747314	1.40E-84	0.515767	4.22E-33	0.613208	1.43E-49	0.208556
0.377716	2.77E-17	0.820453	#####	0.737911	1.97E-81	0.581702	1.24E-43	0.190529
0.196518	1.89E-05	-0.03245	0.48422	-0.00859	0.85307	-0.0143	0.75793	0.160374
0.045886	0.32243	-0.04649	0.31612	0.005113	0.91225	-0.06269	0.17626	0.006157
0.041439	0.3716	-0.08048	0.08231	0.037408	0.41995	-0.12059	0.00909	0.016068
0.035322	0.44636	0.009543	0.83703	0.012308	0.79079	-0.01735	0.70848	0.087877
-0.01425	0.75871	-0.05872	0.20527	0.00501	0.91401	-0.08385	0.07024	-0.00334
0.093699	0.04298	-0.03784	0.41456	-0.00623	0.89313	-0.0548	0.23722	0.128397
0.191513	3.10E-05	0.004393	0.92457	0.069897	0.13148	-0.00553	0.90512	0.004822
0.151773	0.001	-0.05852	0.20685	0.064459	0.16432	-0.10146	0.02835	-0.07026
0.089284	0.05384	-0.06839	0.14	-0.04561	0.32539	-0.05755	0.21443	0.060611
0.117701	0.01091	-0.03354	0.46964	0.152366	0.00096	-0.06955	0.13341	0.035871
0.150903	0.00107	-0.026	0.57522	0.056057	0.22662	-0.06273	0.17594	0.013122
-0.00295	0.94931	-0.00434	0.92549	0.029426	0.52587	0.048066	0.29995	0.171998
0.001456	0.97496	0.086526	0.06171	0.062539	0.17728	0.087283	0.05946	0.021564
0.094396	0.04145	0.064341	0.16509	0.154617	0.0008	0.012264	0.79152	0.079098
0.039409	0.39551	-0.0496	0.28482	0.017228	0.71039	-0.0636	0.17001	0.024836
0.026935	0.56149	0.003437	0.94095	-0.04332	0.35029	-0.03741	0.41989	0.02686
0.040091	0.38737	-0.02449	0.59764	-0.00537	0.90782	-0.02348	0.61271	0.078561
0.074484	0.10794	0.006013	0.89688	0.008729	0.85077	0.013386	0.77295	-0.09167



0.105261	0.02291	-0.00835	0.85711	-0.03886	0.40218	-0.0427	0.35721	0.053865
0.013686	0.76801	-0.04773	0.30333	-0.05632	0.22442	-0.0634	0.1714	0.090129
0.009287	0.84135	-0.05922	0.20141	-0.04742	0.30646	-0.06432	0.16522	0.114511
0.005016	0.91392	0.013108	0.77754	0.030561	0.51001	-0.03988	0.38982	0.086874
0.003215	0.94476	0.003068	0.94728	-0.00964	0.83547	0.038308	0.40884	-0.02911
0.0027	0.95359	-0.01071	0.8174	0.000282	0.99515	-0.02244	0.62866	0.050085
0.039695	0.39208	-0.04935	0.28718	0.097811	0.03459	-0.01057	0.81983	0.198836
0.013198	0.77606	-0.04569	0.32449	-0.04055	0.38194	-0.05558	0.23063	-0.00096
0.041225	0.37407	-0.03689	0.42639	0.053633	0.24738	-0.05401	0.24409	0.030657
0.016416	0.72347	-0.0385	0.4065	-0.04113	0.37517	-0.06749	0.1453	-0.00743
0.039375	0.39591	-0.07184	0.12106	-0.0792	0.08735	-0.05417	0.2427	0.051456
0.058899	0.2039	-0.01844	0.69103	0.04214	0.36355	-0.04406	0.34213	0.116684
0.020594	0.65711	-0.02491	0.59136	-0.0586	0.2062	-0.07086	0.12623	-0.00123
0.052369	0.25871	-0.02915	0.52977	-0.01247	0.78812	-0.03527	0.44701	0.090154
0.003444	0.94083	-0.07493	0.10585	-0.06511	0.1601	-0.08543	0.06511	0.033227
0.056076	0.22647	0.060129	0.1946	0.054376	0.24088	0.093307	0.04386	0.16995
-0.0082	0.85978	-0.064	0.16735	-0.06794	0.14263	-0.07853	0.09005	0.109642
0.034291	0.45975	-0.02032	0.66143	-0.03837	0.40808	-0.00113	0.98064	0.074293
-0.01346	0.77171	-0.04895	0.29113	-0.06112	0.18733	-0.07542	0.10356	0.087824
0.013711	0.7676	-0.02645	0.56858	-0.03646	0.43178	-0.07602	0.10083	0.005545
0.017615	0.70419	-0.03453	0.4566	-0.03959	0.39338	-0.04927	0.28798	0.073492
0.030457	0.51146	-0.03819	0.41031	0.016161	0.7276	-0.05681	0.22046	0.151317
0.224387	9.65E-07	0.010781	0.81625	0.081092	0.08001	0.021647	0.64079	0.049295
0.028849	0.53401	-0.03541	0.44516	-0.01424	0.75892	-0.02963	0.523	-0.0688
0.151134	0.00105	-0.03181	0.49293	0.003589	0.93834	-0.03528	0.44689	-0.03014
0.138905	0.00263	0.011781	0.79956	0.058742	0.20512	-0.03369	0.46765	-0.03804
-0.02402	0.60462	-0.06253	0.17736	0.000176	0.99696	-0.0377	0.41628	0.129992
0.001201	0.97934	0.052892	0.25398	0.023792	0.60807	-0.00522	0.91038	-0.0099
-0.01178	0.79952	-0.02627	0.57114	-0.03351	0.47001	-0.03331	0.47276	0.068026
0.038437	0.40727	-0.00387	0.9335	-0.02555	0.58185	-0.04361	0.34709	-0.01504
0.017307	0.70913	-0.05434	0.2412	-0.04494	0.33253	-0.06174	0.18288	0.068638
0.037949	0.41325	0.007048	0.87927	0.052702	0.25569	-0.04521	0.32957	-0.01553
0.019954	0.66712	-0.02343	0.61354	-0.00081	0.98616	-0.06407	0.16692	0.043852
0.057192	0.21734	-0.06773	0.14389	-0.05456	0.23929	-0.02983	0.52014	0.024189
0.019212	0.6788	-0.05947	0.19954	-0.01146	0.80499	-0.0366	0.43	0.191434
0.037082	0.42401	-0.05073	0.27395	-0.04111	0.37542	-0.03262	0.48197	-0.03613
0.216417	2.35E-06	0.114436	0.01334	0.202367	1.05E-05	0.101672	0.02802	0.062982
0.086609	0.06146	-0.01698	0.71433	0.045513	0.32638	-0.03639	0.43274	0.081171
0.501286	4.40E-31	0.256716	1.83E-08	0.428303	2.94E-22	0.359686	1.04E-15	0.124878
0.077867	0.09281	0.34076	3.68E-14	0.435514	4.88E-23	0.285673	3.21E-10	0.061285
0.239946	1.54E-07	0.61628	3.47E-50	0.776596	2.34E-95	0.714131	4.87E-74	0.450458
0.597065	1.91E-46	0.332209	1.70E-13	0.501377	4.28E-31	0.287815	2.33E-10	0.107401
0.182978	6.97E-05	0.699875	5.84E-70	0.67288	7.31E-63	0.636078	2.55E-54	0.425564
0.343882	2.08E-14	0.563232	1.92E-40	0.731112	3.09E-79	0.396504	4.94E-19	0.181621
0.297608	5.26E-11	0.741366	1.42E-82	0.844755	#####	0.816227	#####	0.35741

0.215353	2.65E-06	0.849819	#####	0.878566	#####	0.869021	#####	0.347569
0.202383	1.05E-05	0.704805	2.42E-71	0.703398	6.05E-71	0.659862	1.06E-59	0.399764
0.226803	7.32E-07	0.242212	1.16E-07	0.477695	5.39E-28	0.408217	3.52E-20	0.193793
0.272864	2.04E-09	0.766632	1.64E-91	0.794631	#####	0.682213	3.14E-65	0.304824
0.2313	4.33E-07	0.855637	#####	0.853093	#####	0.848999	#####	0.370284
0.319049	1.65E-12	0.518158	1.92E-33	0.63171	2.21E-53	0.644794	3.09E-56	0.372934
0.06478	0.16222	0.391014	1.65E-18	0.406257	5.51E-20	0.393339	9.92E-19	0.404481
0.13976	0.00247	0.417179	4.33E-21	0.561405	3.88E-40	0.436358	3.95E-23	0.354401
0.302204	2.56E-11	0.814721	#####	0.908077	#####	0.864812	#####	0.38658
0.152376	0.00096	0.396069	5.44E-19	0.435416	5.00E-23	0.266281	5.07E-09	0.148663
0.216798	2.26E-06	0.669203	5.92E-62	0.86182	#####	0.852559	#####	0.356248
0.180252	8.97E-05	0.465811	1.58E-26	0.52612	1.32E-34	0.403382	1.06E-19	0.476551
0.13459	0.00357	0.416374	5.24E-21	0.469722	5.27E-27	0.332558	1.60E-13	0.377522
0.173747	0.00016	0.334629	1.11E-13	0.450779	9.42E-25	0.325301	5.68E-13	0.390592
0.057893	0.21175	0.343155	2.37E-14	0.404616	8.01E-20	0.372534	8.04E-17	0.344512
0.281537	5.88E-10	0.571677	7.08E-42	0.651745	8.23E-58	0.613145	1.47E-49	0.365164
0.426627	4.44E-22	0.484491	7.35E-29	0.660651	6.87E-60	0.486904	3.59E-29	0.240405
0.202136	1.07E-05	0.426764	4.30E-22	0.404111	8.99E-20	0.384191	7.12E-18	0.07569
0.238407	1.85E-07	0.595314	4.06E-46	0.811364	#####	0.727294	4.92E-78	0.562373
0.246483	6.82E-08	0.616577	3.02E-50	0.631952	1.96E-53	0.445872	3.42E-24	0.208412
0.175302	0.00014	0.315797	2.83E-12	0.439637	1.71E-23	0.304157	1.88E-11	0.208415
0.384605	6.52E-18	0.712492	1.48E-73	0.795916	#####	0.745888	4.28E-84	0.277165
0.217256	2.15E-06	0.525407	1.69E-34	0.780395	7.11E-97	0.733874	4.04E-80	0.433125
0.178617	0.0001	0.27812	9.64E-10	0.366502	2.71E-16	0.303803	1.99E-11	0.09621
0.171326	0.0002	0.637631	1.17E-54	0.69422	2.08E-68	0.66706	1.98E-61	0.284577
0.135142	0.00343	0.493284	5.22E-30	0.489221	1.79E-29	0.504527	1.58E-31	0.144271
0.361622	7.12E-16	0.591658	1.94E-45	0.765219	5.54E-91	0.485386	5.64E-29	0.29802
0.443889	5.74E-24	0.560571	5.34E-40	0.642348	1.08E-55	0.567196	4.13E-41	0.167978
0.347114	1.14E-14	0.573043	4.12E-42	0.718506	2.43E-75	0.442524	8.17E-24	0.186502
0.320375	1.32E-12	0.630246	4.53E-53	0.7319	1.73E-79	0.562947	2.15E-40	0.514607
0.205749	7.38E-06	0.749014	3.64E-85	0.788951	#####	0.837557	#####	0.283367
0.200475	1.27E-05	0.834818	#####	0.895085	#####	0.842858	#####	0.35665
0.047038	0.31042	0.402657	1.25E-19	0.470903	3.78E-27	0.299786	3.75E-11	0.22046
0.542403	4.46E-37	0.566189	6.12E-41	0.788319	#####	0.608273	1.35E-48	0.390484
0.403257	1.09E-19	0.733589	4.98E-80	0.919302	#####	0.757556	3.56E-88	0.338075
0.241248	1.31E-07	0.741759	1.05E-82	0.87278	#####	0.862967	#####	0.421169
0.110933	0.01647	0.300923	3.13E-11	0.319308	1.58E-12	0.29573	7.03E-11	0.098156
0.521795	5.70E-34	0.683819	1.20E-65	0.744165	1.64E-83	0.664927	6.51E-61	0.234077
0.528651	5.57E-35	0.418304	3.31E-21	0.567738	3.34E-41	0.36203	6.57E-16	0.168207
0.267862	4.08E-09	0.589418	5.00E-45	0.7674	8.40E-92	0.694035	2.34E-68	0.252957
0.264804	6.20E-09	0.317784	2.03E-12	0.422106	1.33E-21	0.364914	3.72E-16	0.176953
0.126891	0.00603	0.295182	7.65E-11	0.563975	1.44E-40	0.536631	3.48E-36	0.304429
0.634438	5.77E-54	0.453537	4.52E-25	0.647759	6.66E-57	0.437747	2.77E-23	0.187432
0.274222	1.68E-09	0.504247	1.73E-31	0.757622	3.37E-88	0.587414	1.16E-44	0.398962
0.312039	5.27E-12	0.749832	1.90E-85	0.744959	8.85E-84	0.721287	3.50E-76	0.301283

0.279247	8.20E-10	0.623947	9.43E-52	0.727912	3.15E-78	0.686888	1.90E-66	0.228171
0.511197	1.87E-32	0.312092	5.22E-12	0.560506	5.47E-40	0.371789	9.35E-17	0.112916
0.299209	4.10E-11	0.619863	6.52E-51	0.703665	5.08E-71	0.713127	9.61E-74	0.25736
0.309691	7.73E-12	0.73663	5.17E-81	0.876163	#####	0.720962	4.39E-76	0.264811
0.083854	0.07023	0.309756	7.65E-12	0.365947	3.03E-16	0.33117	2.05E-13	0.24732
0.13669	0.00308	0.339422	4.69E-14	0.472405	2.46E-27	0.475545	1.00E-27	0.333442
0.199322	1.43E-05	0.601739	2.48E-47	0.724398	3.90E-77	0.68611	3.04E-66	0.373023
0.066641	0.15047	0.582821	7.83E-44	0.604743	6.55E-48	0.593182	1.01E-45	0.637147
0.062372	0.17844	0.599435	6.80E-47	0.6028	1.55E-47	0.563134	2.00E-40	0.639122
0.285402	3.34E-10	0.671824	1.34E-62	0.87147	#####	0.765767	3.45E-91	0.468996
0.241883	1.21E-07	0.637828	1.06E-54	0.89144	#####	0.794752	#####	0.369205
0.152689	0.00093	0.414849	7.51E-21	0.611221	3.55E-49	0.280401	6.94E-10	0.219014
0.229548	5.32E-07	0.324686	6.31E-13	0.492858	5.95E-30	0.272905	2.02E-09	0.209159
0.102955	0.02609	0.295195	7.63E-11	0.488478	2.24E-29	0.327599	3.82E-13	0.294342
0.175488	0.00014	0.417933	3.62E-21	0.517363	2.49E-33	0.477294	6.05E-28	0.278432
0.280937	6.42E-10	0.373608	6.45E-17	0.402267	1.36E-19	0.388838	2.64E-18	0.050777
0.247232	6.21E-08	0.497802	1.30E-30	0.713556	7.19E-74	0.42621	4.92E-22	0.293762
0.336849	7.46E-14	0.792048	#####	0.92251	#####	0.774467	1.61E-94	0.342962
0.24957	4.62E-08	0.535932	4.45E-36	0.664096	1.03E-60	0.479784	2.94E-28	0.428096
0.204624	8.30E-06	0.476576	7.45E-28	0.50834	4.70E-32	0.495754	2.45E-30	0.134093
0.111063	0.01635	0.45327	4.85E-25	0.539951	1.07E-36	0.360645	8.62E-16	0.214976
0.385392	5.52E-18	0.461207	5.65E-26	0.67358	4.89E-63	0.532365	1.55E-35	0.235805
0.158149	0.0006	0.12247	0.00806	0.318806	1.71E-12	0.258721	1.40E-08	0.052814
0.249934	4.41E-08	0.747416	1.29E-84	0.894378	#####	0.69165	1.03E-67	0.317409
0.241099	1.33E-07	0.855592	#####	0.9224	#####	0.786321	2.64E-99	0.361273
0.201243	1.18E-05	0.303143	2.21E-11	0.475091	1.14E-27	0.274676	1.58E-09	0.228701
0.320782	1.23E-12	0.194464	2.32E-05	0.443427	6.47E-24	0.330819	2.18E-13	0.158635
0.225066	8.93E-07	0.597068	1.90E-46	0.829417	#####	0.764548	9.85E-91	0.332729
0.149337	0.00121	0.607317	2.07E-48	0.727868	3.26E-78	0.725175	2.24E-77	0.395913
0.406246	5.53E-20	0.728099	2.76E-78	0.792507	#####	0.782036	1.54E-97	0.439074
0.219125	1.75E-06	0.518439	1.75E-33	0.727943	3.08E-78	0.513004	1.04E-32	0.196744
0.245616	7.61E-08	0.648986	3.51E-57	0.71679	7.92E-75	0.704547	2.86E-71	0.156984
0.341258	3.36E-14	0.381768	1.19E-17	0.409917	2.37E-20	0.32762	3.80E-13	0.194125
0.305934	1.42E-11	0.418983	2.82E-21	0.54091	7.62E-37	0.477638	5.48E-28	0.272082
0.346728	1.23E-14	0.295087	7.76E-11	0.565238	8.86E-41	0.435093	5.43E-23	0.206866
0.201054	1.20E-05	0.574664	2.15E-42	0.830434	#####	0.732092	1.50E-79	0.496026
0.282187	5.35E-10	0.778561	3.88E-96	0.917803	#####	0.72353	7.21E-77	0.373271
0.333699	1.31E-13	0.716986	6.92E-75	0.827349	#####	0.691243	1.32E-67	0.282062
0.070954	0.12573	0.459324	9.45E-26	0.595998	3.02E-46	0.517832	2.13E-33	0.259365
0.083344	0.07196	0.514508	6.38E-33	0.596662	2.27E-46	0.469864	5.07E-27	0.714187
0.102939	0.02612	0.58611	2.00E-44	0.577851	5.96E-43	0.519877	1.08E-33	0.31206
0.123322	0.00763	0.695353	1.02E-68	0.713894	5.72E-74	0.598216	1.16E-46	0.531352
0.204448	8.45E-06	0.310692	6.57E-12	0.534603	7.09E-36	0.282799	4.90E-10	0.327395
0.191973	2.96E-05	0.232224	3.89E-07	0.439781	1.65E-23	0.284455	3.84E-10	0.242298
0.149572	0.00119	0.523324	3.41E-34	0.729609	9.23E-79	0.517249	2.59E-33	0.294681

0.147085	0.00144	0.353657	3.32E-15	0.686461	2.46E-66	0.431522	1.33E-22	0.226091
0.256667	1.84E-08	0.793824	#####	0.924603	#####	0.816752	#####	0.402251
0.165013	0.00034	0.266483	4.93E-09	0.444886	4.43E-24	0.204721	8.21E-06	0.073322
0.110519	0.01688	0.512936	1.07E-32	0.539546	1.24E-36	0.56397	1.45E-40	0.372583
0.364339	4.17E-16	0.189996	3.59E-05	0.40911	2.86E-20	0.274826	1.54E-09	0.139125
0.450343	1.06E-24	0.499159	8.55E-31	0.54848	4.92E-38	0.414038	9.09E-21	0.024022
0.449352	1.37E-24	0.671947	1.25E-62	0.682632	2.45E-65	0.66105	5.52E-60	0.153173
0.118321	0.0105	0.382901	9.36E-18	0.546591	9.82E-38	0.510246	2.55E-32	0.441424
0.280015	7.34E-10	0.854729	#####	0.865289	#####	0.730533	4.71E-79	0.294912
0.261112	1.02E-08	0.870644	#####	0.89895	#####	0.855531	#####	0.346416
0.214645	2.86E-06	0.505693	1.10E-31	0.536819	3.26E-36	0.399903	2.32E-19	0.257749
0.119155	0.00996	0.375777	4.14E-17	0.507034	7.14E-32	0.359871	1.00E-15	0.406546
0.10699	0.02075	0.558563	1.15E-39	0.538074	2.09E-36	0.562842	2.24E-40	0.39797
0.045539	0.32611	0.238271	1.88E-07	0.473097	2.02E-27	0.447158	2.45E-24	0.198028
0.302869	2.31E-11	0.37243	8.21E-17	0.452445	6.05E-25	0.253363	2.83E-08	0.133581
0.150736	0.00109	0.395272	6.49E-19	0.399105	2.77E-19	0.303002	2.26E-11	0.209212
0.298014	4.94E-11	0.720556	5.83E-76	0.784439	1.59E-98	0.722706	1.29E-76	0.273987
0.091054	0.04924	0.371137	1.07E-16	0.407797	3.87E-20	0.399846	2.35E-19	0.162206
0.219202	1.73E-06	0.579583	2.95E-43	0.720054	8.28E-76	0.504336	1.68E-31	0.216317
0.201588	1.13E-05	0.729401	1.07E-78	0.73107	3.18E-79	0.718704	2.11E-75	0.245357
0.188674	4.07E-05	0.605607	4.46E-48	0.665098	5.92E-61	0.611299	3.42E-49	0.248289
0.26052	1.11E-08	0.529258	4.53E-35	0.605747	4.19E-48	0.512592	1.19E-32	0.251588
0.157467	0.00064	0.535968	4.39E-36	0.51814	1.93E-33	0.49778	1.31E-30	0.280398
0.287744	2.36E-10	0.313461	4.17E-12	0.478964	3.73E-28	0.212133	3.75E-06	0.266034
0.376215	3.78E-17	0.66608	3.42E-61	0.691614	1.05E-67	0.520738	8.12E-34	0.201952
0.459076	1.01E-25	0.506764	7.79E-32	0.525911	1.42E-34	0.501201	4.52E-31	0.197456
0.180759	8.56E-05	0.392388	1.22E-18	0.407863	3.81E-20	0.357583	1.56E-15	0.030737
0.170019	0.00022	0.471857	2.88E-27	0.4596	8.77E-26	0.319368	1.56E-12	0.223822
0.252685	3.09E-08	0.492179	7.31E-30	0.591705	1.90E-45	0.309197	8.37E-12	0.23303
0.173255	0.00017	0.431799	1.24E-22	0.506978	7.27E-32	0.249605	4.60E-08	0.205759
0.266569	4.88E-09	0.331337	1.99E-13	0.431012	1.51E-22	0.233873	3.20E-07	0.223685
0.227353	6.86E-07	0.621398	3.16E-51	0.582801	7.89E-44	0.398284	3.33E-19	0.196253
0.263533	7.37E-09	0.346602	1.25E-14	0.492208	7.25E-30	0.396719	4.71E-19	0.113276
0.227703	6.59E-07	0.370883	1.12E-16	0.498356	1.10E-30	0.322418	9.31E-13	0.163372
0.146343	0.00152	0.587018	1.37E-44	0.654598	1.81E-58	0.573132	3.97E-42	0.250843
0.245374	7.84E-08	0.871414	#####	0.922278	#####	0.80402	#####	0.358795
0.387806	3.29E-18	0.477372	5.92E-28	0.525616	1.57E-34	0.521842	5.61E-34	0.086402
0.171773	0.00019	0.271506	2.46E-09	0.456025	2.31E-25	0.333464	1.36E-13	0.239331
0.216116	2.43E-06	0.608415	1.26E-48	0.713773	6.21E-74	0.645131	2.60E-56	0.288026
0.10629	0.0216	0.310811	6.44E-12	0.486188	4.44E-29	0.357789	1.50E-15	0.292334
0.139147	0.00258	0.391879	1.36E-18	0.486944	3.54E-29	0.359399	1.10E-15	0.386518
0.18612	5.19E-05	0.662783	2.13E-60	0.782367	1.13E-97	0.675513	1.60E-63	0.245468
0.120412	0.0092	0.261155	1.02E-08	0.421233	1.64E-21	0.317499	2.13E-12	0.324309
0.371483	9.95E-17	0.429123	2.41E-22	0.764466	1.06E-90	0.46399	2.62E-26	0.364423
0.211824	3.88E-06	0.357842	1.49E-15	0.42425	7.93E-22	0.363203	5.22E-16	0.321461

0.325843	5.17E-13	0.406885	4.77E-20	0.521806	5.68E-34	0.500733	5.23E-31	0.248312
0.120406	0.0092	0.316395	2.57E-12	0.447565	2.20E-24	0.396137	5.36E-19	0.166217
0.232502	3.76E-07	0.659536	1.26E-59	0.878793	#####	0.806758	#####	0.467438
0.268801	3.59E-09	0.737858	2.05E-81	0.893167	#####	0.831161	#####	0.338718
0.217994	1.98E-06	0.327973	3.58E-13	0.468149	8.21E-27	0.388754	2.68E-18	0.190869
0.437142	3.24E-23	0.452108	6.62E-25	0.673559	4.95E-63	0.425491	5.86E-22	0.070642
0.223423	1.08E-06	0.473236	1.94E-27	0.602351	1.89E-47	0.508983	3.83E-32	0.23135
0.223936	1.02E-06	0.629664	6.01E-53	0.824823	#####	0.77674	2.06E-95	0.338029
0.17597	0.00013	0.71962	1.12E-75	0.868155	#####	0.848866	#####	0.357662
0.249688	4.55E-08	0.602648	1.66E-47	0.833844	#####	0.679563	1.51E-64	0.327051
0.254324	2.50E-08	0.499265	8.27E-31	0.779585	1.51E-96	0.655709	9.98E-59	0.396269
0.257523	1.65E-08	0.586271	1.87E-44	0.739025	8.49E-82	0.70096	2.92E-70	0.276816
0.27911	8.36E-10	0.835957	#####	0.910858	#####	0.869612	#####	0.348168
0.096755	0.0366	0.292672	1.12E-10	0.361601	7.15E-16	0.370197	1.29E-16	0.17195
0.372399	8.26E-17	0.4557	2.53E-25	0.697342	2.93E-69	0.580819	1.78E-43	0.344535
0.241081	1.34E-07	0.494945	3.14E-30	0.745387	6.34E-84	0.620652	4.50E-51	0.267211
0.117989	0.01072	0.369636	1.45E-16	0.418698	3.02E-21	0.39511	6.72E-19	0.219399
0.333711	1.31E-13	0.579314	3.29E-43	0.742269	7.11E-83	0.652785	4.75E-58	0.378371
0.232207	3.89E-07	0.380453	1.57E-17	0.424816	6.91E-22	0.409746	2.47E-20	0.274577
0.069679	0.13269	0.318225	1.89E-12	0.389237	2.42E-18	0.38702	3.90E-18	0.400166
0.039397	0.39564	0.390501	1.84E-18	0.619019	9.68E-51	0.515144	5.18E-33	0.322349
0.411463	1.66E-20	0.324901	6.08E-13	0.521879	5.55E-34	0.298325	4.70E-11	0.109321
0.380594	1.52E-17	0.702029	1.47E-70	0.84098	#####	0.722208	1.83E-76	0.237175
0.255366	2.18E-08	0.426942	4.11E-22	0.57301	4.17E-42	0.279302	8.14E-10	0.182545
0.208767	5.37E-06	0.497319	1.51E-30	0.470026	4.84E-27	0.438994	2.02E-23	0.455777
0.340737	3.69E-14	0.624912	5.95E-52	0.78974	#####	0.584907	3.30E-44	0.35197
0.17656	0.00013	0.34243	2.71E-14	0.505169	1.29E-31	0.279101	8.38E-10	0.107711
0.248843	5.06E-08	0.416319	5.31E-21	0.58093	1.70E-43	0.465266	1.84E-26	0.343697
0.206548	6.79E-06	0.685917	3.41E-66	0.661053	5.51E-60	0.655854	9.23E-59	0.333057
0.292525	1.15E-10	0.728397	2.22E-78	0.763963	1.63E-90	0.729627	9.11E-79	0.283526
0.207101	6.41E-06	0.395439	6.25E-19	0.473795	1.66E-27	0.399611	2.48E-19	0.13216
0.256353	1.92E-08	0.766387	2.02E-91	0.911707	#####	0.833316	#####	0.392307
0.20533	7.71E-06	0.372369	8.31E-17	0.617605	1.87E-50	0.330704	2.22E-13	0.177317
0.12423	0.00719	0.287837	2.33E-10	0.347489	1.06E-14	0.311966	5.33E-12	0.273299
0.312866	4.60E-12	0.640892	2.27E-55	0.699517	7.35E-70	0.556624	2.39E-39	0.178587
0.106893	0.02087	0.470632	4.08E-27	0.471956	2.80E-27	0.369369	1.53E-16	0.181053
0.203484	9.34E-06	0.364685	3.89E-16	0.503455	2.22E-31	0.338324	5.72E-14	0.23508
0.202924	9.89E-06	0.649414	2.81E-57	0.683583	1.39E-65	0.486705	3.81E-29	0.255945
0.240601	1.42E-07	0.789569	#####	0.92118	#####	0.680556	8.39E-65	0.342457
0.137627	0.00288	0.378956	2.14E-17	0.55131	1.74E-38	0.299962	3.64E-11	0.273401
0.210868	4.30E-06	0.397567	3.91E-19	0.527735	7.63E-35	0.298759	4.40E-11	0.255185
0.209965	4.73E-06	0.352628	4.04E-15	0.558916	1.00E-39	0.31586	2.80E-12	0.3028
0.222124	1.25E-06	0.654427	1.98E-58	0.648938	3.60E-57	0.507592	5.98E-32	0.204754
0.244381	8.88E-08	0.744662	1.12E-83	0.79853	#####	0.617802	1.71E-50	0.22614
0.13058	0.00471	0.526479	1.17E-34	0.673116	6.39E-63	0.514258	6.92E-33	0.332962

0.282403	5.19E-10	0.569927	1.41E-41	0.832063	#####	0.58044	2.08E-43	0.325498
0.222692	1.17E-06	0.54025	9.65E-37	0.602326	1.91E-47	0.344924	1.71E-14	0.17616
0.268097	3.95E-09	0.749332	2.82E-85	0.909823	#####	0.707455	4.25E-72	0.385332
0.464242	2.44E-26	0.785837	4.20E-99	0.876541	#####	0.825172	#####	0.278885
0.118953	0.01009	0.413792	9.63E-21	0.557386	1.79E-39	0.369874	1.38E-16	0.414635
0.464036	2.59E-26	0.526274	1.26E-34	0.626994	2.19E-52	0.625419	4.67E-52	0.282367
0.435185	5.31E-23	0.575831	1.35E-42	0.800714	#####	0.724507	3.61E-77	0.32176
0.55335	8.14E-39	0.485336	5.72E-29	0.59061	3.02E-45	0.436902	3.44E-23	0.185499
0.25503	2.28E-08	0.84964	#####	0.911432	#####	0.796286	#####	0.332143
0.109053	0.01841	0.324167	6.90E-13	0.49046	1.23E-29	0.32494	6.04E-13	0.077654
0.320668	1.25E-12	0.353499	3.42E-15	0.532605	1.42E-35	0.421904	1.40E-21	0.164601
0.188489	4.15E-05	0.252228	3.28E-08	0.421581	1.51E-21	0.272053	2.28E-09	0.169977
0.290072	1.66E-10	0.603806	9.93E-48	0.824528	#####	0.69958	7.06E-70	0.247939
0.343825	2.10E-14	0.737643	2.41E-81	0.788089	#####	0.555115	4.21E-39	0.391554
0.14363	0.00186	0.370608	1.19E-16	0.344669	1.80E-14	0.341048	3.49E-14	0.099415
0.320624	1.26E-12	0.395404	6.30E-19	0.530443	3.01E-35	0.369188	1.58E-16	0.300662
0.146988	0.00145	0.287205	2.55E-10	0.465136	1.91E-26	0.384073	7.30E-18	0.295339
0.185312	5.60E-05	0.647331	8.32E-57	0.839061	#####	0.688094	9.11E-67	0.377909
0.16249	0.00042	0.335893	8.85E-14	0.500768	5.17E-31	0.288721	2.04E-10	0.319622
0.184841	5.86E-05	0.36285	5.59E-16	0.442143	9.01E-24	0.205206	7.81E-06	0.099177
0.269688	3.17E-09	0.700255	4.58E-70	0.648079	5.64E-57	0.557523	1.70E-39	0.312599
0.232026	3.98E-07	0.61886	1.04E-50	0.624418	7.54E-52	0.614544	7.74E-50	0.287535
0.179993	9.18E-05	0.454777	3.24E-25	0.625582	4.32E-52	0.313898	3.88E-12	0.332049
0.313255	4.32E-12	0.658741	1.94E-59	0.758141	2.19E-88	0.661255	4.93E-60	0.334748
0.454657	3.34E-25	0.398763	2.99E-19	0.5614	3.89E-40	0.393414	9.76E-19	0.185836
0.39988	2.33E-19	0.605267	5.19E-48	0.871788	#####	0.655628	1.04E-58	0.418608
0.240849	1.37E-07	0.324477	6.54E-13	0.628203	1.22E-52	0.344957	1.70E-14	0.266344
0.219037	1.76E-06	0.680613	8.11E-65	0.701138	2.60E-70	0.608554	1.19E-48	0.205028
0.181672	7.87E-05	0.36542	3.36E-16	0.611375	3.31E-49	0.516743	3.06E-33	0.358153
0.267699	4.17E-09	0.385143	5.82E-18	0.585474	2.61E-44	0.348948	8.10E-15	0.215905
0.182936	7.00E-05	0.502255	3.25E-31	0.772962	6.23E-94	0.608062	1.48E-48	0.382403
0.515754	4.24E-33	0.608519	1.21E-48	0.839191	#####	0.666848	2.23E-61	0.265778
0.303849	1.97E-11	0.34559	1.51E-14	0.68136	5.21E-65	0.369208	1.58E-16	0.219806
0.263265	7.64E-09	0.521273	6.79E-34	0.583814	5.19E-44	0.471948	2.81E-27	0.259124
0.187966	4.36E-05	0.481188	1.95E-28	0.629131	7.79E-53	0.472975	2.09E-27	0.504421
0.172351	0.00018	0.393921	8.73E-19	0.563333	1.85E-40	0.395883	5.67E-19	0.19966
0.178959	0.0001	0.457722	1.46E-25	0.589375	5.09E-45	0.406953	4.70E-20	0.353677
0.276698	1.18E-09	0.731978	1.63E-79	0.839826	#####	0.765747	3.52E-91	0.43477
0.190033	3.57E-05	0.360823	8.33E-16	0.420178	2.12E-21	0.313807	3.94E-12	0.06107
0.072638	0.11698	0.322733	8.82E-13	0.371937	9.08E-17	0.348922	8.14E-15	0.194066
0.161377	0.00046	0.477762	5.29E-28	0.581817	1.18E-43	0.389919	2.09E-18	0.172121
0.135237	0.00341	0.384872	6.16E-18	0.510209	2.58E-32	0.455848	2.43E-25	0.311398
0.213207	3.34E-06	0.552613	1.07E-38	0.754119	5.99E-87	0.775507	6.31E-95	0.321152
0.346941	1.18E-14	0.533306	1.12E-35	0.588387	7.72E-45	0.494911	3.17E-30	0.186935
0.247639	5.90E-08	0.681548	4.66E-65	0.76502	6.57E-91	0.532645	1.40E-35	0.219216

0.407081	4.56E-20	0.533161	1.17E-35	0.585161	2.97E-44	0.45922	9.73E-26	0.235536
0.249653	4.57E-08	0.550461	2.37E-38	0.542443	4.40E-37	0.389832	2.13E-18	0.153513
0.844656	#####	0.193037	2.67E-05	0.347965	9.73E-15	0.214639	2.86E-06	0.068516
0.726996	6.10E-78	0.144299	0.00177	0.314155	3.72E-12	0.173774	0.00016	0.047364
0.665517	4.69E-61	0.131697	0.00436	0.169744	0.00023	0.163698	0.00038	0.068886
0.893413	#####	0.211899	3.85E-06	0.301218	2.99E-11	0.240245	1.48E-07	0.07767
0.472155	2.65E-27	0.089811	0.05243	0.125376	0.00667	0.065559	0.15722	0.067132
0.828796	#####	0.2021	1.08E-05	0.259029	1.35E-08	0.219783	1.62E-06	0.055448
0.767324	8.98E-92	0.185565	5.47E-05	0.207394	6.21E-06	0.17424	0.00015	-0.01886
0.920389	#####	0.217593	2.07E-06	0.34693	1.18E-14	0.23938	1.65E-07	0.053133
0.813493	#####	0.164829	0.00035	0.21034	4.55E-06	0.170729	0.00021	0.010362
0.614249	8.87E-50	0.088943	0.05476	0.141969	0.0021	0.085054	0.06629	-0.05681
0.55295	9.44E-39	0.247744	5.82E-08	0.410941	1.87E-20	0.343828	2.10E-14	0.109415
0.681472	4.88E-65	0.141577	0.00216	0.227029	7.13E-07	0.190314	3.48E-05	0.007098
0.913615	#####	0.225223	8.77E-07	0.327	4.24E-13	0.246374	6.92E-08	0.023019
0.712681	1.30E-73	0.238076	1.93E-07	0.264212	6.72E-09	0.252953	2.99E-08	0.021275
0.30937	8.14E-12	0.033565	0.4693	0.073667	0.11187	-0.01731	0.70905	0.004206
0.510124	2.65E-32	0.311994	5.31E-12	0.44108	1.18E-23	0.310805	6.45E-12	0.011089
0.689513	3.83E-67	0.334302	1.18E-13	0.460935	6.08E-26	0.362354	6.17E-16	0.065868
0.67443	3.00E-63	0.127016	0.00598	0.245857	7.38E-08	0.116536	0.01173	0.016379
0.615369	5.29E-50	0.177437	0.00012	0.176347	0.00013	0.166255	0.00031	-0.05554
0.734358	2.82E-80	0.182258	7.45E-05	0.27374	1.80E-09	0.268152	3.92E-09	0.031342
0.490893	1.08E-29	0.117941	0.01075	0.244567	8.68E-08	0.10802	0.01955	0.10316
0.58508	3.07E-44	0.129024	0.00523	0.199925	1.34E-05	0.157937	0.00061	0.106046
0.345044	1.68E-14	0.059855	0.19665	0.105351	0.02279	0.088937	0.05478	0.094131
0.775042	9.61E-95	0.155853	0.00073	0.24817	5.51E-08	0.183396	6.71E-05	0.099648
0.545249	1.60E-37	0.105242	0.02293	0.169568	0.00023	0.139231	0.00257	0.023721
0.530702	2.75E-35	0.346403	1.30E-14	0.378317	2.44E-17	0.247859	5.74E-08	0.035983
0.544449	2.14E-37	0.101153	0.02884	0.193592	2.53E-05	0.166416	0.0003	0.018957
0.559181	9.06E-40	0.252035	3.37E-08	0.32378	7.38E-13	0.263615	7.29E-09	0.090543
0.676128	1.12E-63	0.132578	0.0041	0.206662	6.71E-06	0.123161	0.00771	0.015829
0.729258	1.19E-78	0.194926	2.22E-05	0.281281	6.11E-10	0.228262	6.18E-07	0.105024
0.901463	#####	0.213956	3.08E-06	0.349891	6.78E-15	0.236028	2.47E-07	0.046901
0.895193	#####	0.240744	1.39E-07	0.32229	9.51E-13	0.274828	1.54E-09	0.036926
0.592145	1.58E-45	0.20266	1.02E-05	0.246375	6.92E-08	0.175314	0.00014	-0.07003
0.519691	1.15E-33	0.166332	0.00031	0.202516	1.03E-05	0.180109	9.09E-05	0.079643
0.299036	4.21E-11	-0.01154	0.80353	0.038939	0.40117	-0.04182	0.36716	-0.01078
0.684113	1.01E-65	0.144724	0.00171	0.287889	2.31E-10	0.154149	0.00083	0.056245
0.464971	2.00E-26	0.113482	0.01414	0.184815	5.87E-05	0.123312	0.00763	0.076682
0.442133	9.03E-24	0.179713	9.42E-05	0.234933	2.82E-07	0.219889	1.60E-06	0.047735
0.825646	#####	0.194321	2.35E-05	0.316856	2.38E-12	0.198746	1.51E-05	0.04152
0.706343	8.84E-72	0.163016	0.0004	0.246273	7.01E-08	0.15964	0.00053	-0.05288
0.577998	5.62E-43	0.14378	0.00184	0.196299	1.93E-05	0.170918	0.00021	0.099732
0.761259	1.61E-89	0.161197	0.00047	0.265725	5.47E-09	0.170342	0.00022	0.042095
0.71018	6.96E-73	0.325725	5.28E-13	0.428688	2.68E-22	0.316034	2.73E-12	0.118601

0.685841	3.57E-66	0.140577	0.00233	0.302575	2.42E-11	0.145414	0.00163	0.028922
0.797919	#####	0.163559	0.00039	0.378278	2.46E-17	0.167755	0.00027	0.053264
0.467272	1.05E-26	0.001589	0.97268	0.092913	0.04477	0.015927	0.73139	0.028143
0.578536	4.52E-43	0.097405	0.03535	0.151184	0.00105	0.100148	0.03048	0.022398
0.630658	3.70E-53	0.150743	0.00108	0.285475	3.30E-10	0.117318	0.01117	-0.05749
0.199967	1.34E-05	-0.00419	0.92797	0.051895	0.26305	0.048446	0.29614	0.032096
0.896072	#####	0.186664	4.93E-05	0.380933	1.42E-17	0.207522	6.13E-06	0.077677
0.565202	8.98E-41	0.069625	0.133	0.136503	0.00312	0.088599	0.05571	0.023469
0.74082	2.16E-82	0.183246	6.80E-05	0.395685	5.92E-19	0.196247	1.94E-05	0.057367
0.622751	1.67E-51	0.117023	0.01138	0.132259	0.0042	0.105509	0.02259	-0.00653
0.635493	3.42E-54	0.112826	0.01471	0.171192	0.0002	0.141013	0.00225	0.028173
0.471487	3.20E-27	0.078331	0.09087	0.071911	0.1207	0.101556	0.0282	0.064191
0.650627	1.48E-57	0.193757	2.49E-05	0.198226	1.60E-05	0.19994	1.34E-05	0.058377
0.704354	3.25E-71	0.133652	0.00381	0.197552	1.71E-05	0.129011	0.00524	0.016032
0.355364	2.40E-15	0.032639	0.48167	0.091093	0.04914	0.093134	0.04426	0.02164
0.325728	5.28E-13	0.045427	0.32731	0.065146	0.15986	0.015662	0.73568	-0.00193
0.260046	1.18E-08	-0.00187	0.96781	0.014179	0.7599	0.028387	0.54058	0.078451
0.361974	6.65E-16	0.039251	0.3974	0.053061	0.25246	0.064324	0.16521	0.003385
0.623028	1.46E-51	0.147107	0.00143	0.174302	0.00015	0.174662	0.00015	0.008748
0.773399	4.21E-94	0.162826	0.00041	0.296227	6.51E-11	0.205656	7.45E-06	0.043229
-0.09979	0.03108	-0.0967	0.0367	-0.15606	0.00071	-0.01689	0.71583	0.158472
-0.04719	0.30891	-0.14956	0.00119	-0.0745	0.10785	-0.07315	0.11441	0.251468
-0.06404	0.16711	0.018977	0.68251	0.039951	0.38903	0.051966	0.2624	0.149677
-0.051	0.27142	-0.0782	0.09142	-0.01554	0.73767	0.096009	0.03808	0.2728
-0.06771	0.14403	-0.04787	0.30198	-0.00635	0.89121	0.039384	0.3958	0.120886
-0.08539	0.06522	-0.00292	0.9498	-0.06204	0.1808	0.033747	0.4669	0.230893
-0.02925	0.52841	-0.01025	0.82522	-0.00115	0.98029	0.061195	0.18679	-0.01092
-0.15126	0.00104	-0.29667	6.08E-11	-0.26289	8.04E-09	-0.22097	1.42E-06	0.055399
-0.05202	0.26192	-0.1318	0.00433	-0.08185	0.07724	-0.0314	0.49841	0.121432
-0.1348	0.00352	0.007158	0.87739	-0.12942	0.00509	0.021825	0.63805	-0.0149
-0.10271	0.02645	-0.08885	0.05503	-0.03304	0.47632	0.004828	0.91713	0.243954
0.06319	0.17281	0.031235	0.50073	0.113284	0.01431	0.123055	0.00776	0.152881
-0.05519	0.2339	0.029014	0.53168	0.00377	0.93524	0.08468	0.0675	0.059159
0.044405	0.33831	0.087203	0.0597	-0.08902	0.05456	-0.01789	0.69984	-0.12863
-0.10849	0.01902	-0.00183	0.96859	-0.06114	0.1872	0.024762	0.59351	0.0181
-0.19484	2.24E-05	-0.22402	1.01E-06	-0.25082	3.93E-08	-0.16835	0.00026	-0.04059
-0.05573	0.22938	-0.21751	2.09E-06	-0.11204	0.01542	-0.09579	0.03852	0.139332
0.043617	0.34697	0.172818	0.00017	0.366575	2.67E-16	0.273295	1.92E-09	0.331205
-0.08232	0.07554	-0.08507	0.06626	-0.06647	0.15155	-0.00499	0.91442	0.001694
-0.01647	0.72268	-0.0753	0.10413	-0.03873	0.4037	0.032022	0.48999	0.161133
-0.05264	0.25624	-0.13405	0.00371	0.001536	0.9736	-0.04071	0.38012	0.132354
-0.03581	0.44015	-0.04834	0.29723	-0.04735	0.30717	0.025613	0.58088	0.124671
-0.07399	0.11032	-0.0258	0.57819	-0.0371	0.42375	0.031983	0.49052	0.104789
-0.08443	0.0683	-0.19355	2.54E-05	-0.15463	0.0008	-0.11718	0.01127	0.090736
-0.08756	0.05867	0.006616	0.88662	-0.09842	0.03347	0.095709	0.03869	0.065004



-0.06904	0.1363	-0.01143	0.80536	-0.0471	0.30977	0.006078	0.89577	0.050979
-0.01109	0.81117	-0.092	0.04693	0.092817	0.04499	0.005761	0.90118	0.371988
0.048062	0.29999	-0.01274	0.78361	0.112611	0.0149	0.081254	0.07941	0.327315
-0.08994	0.0521	0.007364	0.87389	0.030329	0.51323	0.056731	0.22108	0.288271
-0.06531	0.15883	-0.23941	1.64E-07	-0.16602	0.00031	-0.20688	6.56E-06	0.00505
-0.05996	0.19589	0.079425	0.08644	-0.00922	0.84251	0.127084	0.00596	0.016447
-0.07061	0.12758	0.019349	0.67664	-0.07277	0.11631	0.118484	0.01039	0.08451
-0.07851	0.09013	-0.05441	0.24057	-0.08705	0.06016	0.045188	0.32986	0.152837
-0.11069	0.01671	-0.05846	0.20732	-0.06368	0.1695	-0.02468	0.5947	0.218
-0.0907	0.05013	-0.14491	0.00169	-0.02971	0.52184	-0.08781	0.05793	0.172808
-0.09356	0.04329	-0.16799	0.00027	-0.05455	0.23939	-0.06718	0.14722	0.168439
-0.10081	0.02939	-0.08112	0.07992	-0.20324	9.57E-06	0.008175	0.86014	-0.01195
-0.09116	0.04898	-0.18391	6.39E-05	-0.04872	0.29345	-0.09658	0.03694	0.153964
-0.08039	0.08267	-0.13414	0.00368	-0.19695	1.81E-05	-0.06176	0.18274	-0.12623
-0.08811	0.05709	-0.09082	0.04983	-0.12682	0.00606	0.051946	0.26258	-0.02487
-0.05943	0.19984	-0.10109	0.02895	0.068373	0.14013	-0.05173	0.26453	0.237635
-0.10056	0.0298	-0.03551	0.44394	-0.05839	0.20788	0.009557	0.8368	-0.00104
-0.05773	0.21308	-0.03823	0.40976	0.090823	0.04982	0.060402	0.19258	0.344282
-0.14884	0.00126	0.03493	0.45141	-0.05273	0.25544	0.087548	0.05869	0.285382
-0.00853	0.85417	-0.07967	0.08546	0.010404	0.82257	0.018397	0.69172	0.158942
-0.03795	0.41318	-0.13954	0.00251	-0.03166	0.49493	-0.05284	0.25442	0.3211
0.035483	0.44428	0.016463	0.72272	-0.10257	0.02665	-0.06721	0.14699	-0.1637
-0.0946	0.04102	-0.0897	0.05273	-0.06179	0.18252	-0.02355	0.61173	0.05235
-0.11343	0.01418	-0.10889	0.01858	-0.01466	0.75196	-0.00429	0.92629	0.169549
-0.10794	0.01963	-0.10785	0.01974	-0.1365	0.00312	-0.04554	0.32613	0.101935
-0.12276	0.00791	-0.16246	0.00042	-0.21464	2.86E-06	-0.14542	0.00163	-0.10076
-0.11659	0.01169	-0.04167	0.36898	-0.13198	0.00428	0.023039	0.61947	0.000469
-0.09659	0.03693	-0.09854	0.03326	-0.07693	0.0968	0.032744	0.48025	0.104397
-0.13786	0.00283	-0.17767	0.00011	-0.18885	4.01E-05	-0.08353	0.07133	0.061307
-0.12273	0.00793	-0.04865	0.29415	0.005392	0.90749	0.037764	0.41554	0.188955
-0.10099	0.0291	-0.15083	0.00108	-0.14634	0.00152	-0.07322	0.11407	0.068284
-0.04759	0.30476	-0.00235	0.95954	-0.01931	0.6772	0.041871	0.36663	0.178904
-0.0798	0.08496	-0.16686	0.00029	-0.05397	0.24441	-0.12721	0.00591	0.261246
-0.12487	0.0069	0.011702	0.80087	-0.14288	0.00197	0.029733	0.52156	-0.0696
-0.12487	0.0069	0.011948	0.79679	-0.09217	0.0465	3.65E-06	0.99994	-0.05513
-0.09243	0.04589	0.039311	0.39668	-0.09089	0.04965	0.024037	0.60437	-0.15339
-0.03234	0.48575	0.000247	0.99575	-0.04842	0.29645	-0.01529	0.74175	0.09218
-0.0646	0.16342	0.024279	0.60074	-0.04755	0.30516	0.042444	0.36009	0.105515
-0.02503	0.58958	-0.02401	0.60483	-0.00863	0.85249	0.078499	0.09018	0.144693
-0.06682	0.14938	-0.10278	0.02635	-0.03966	0.3925	-0.02151	0.64293	0.220778
-0.06958	0.13323	-0.13738	0.00293	-0.01184	0.79856	-0.01454	0.75402	0.290962
-0.10775	0.01985	-0.00505	0.91339	-0.04211	0.36391	0.0676	0.14467	0.094266
-0.06852	0.13926	0.082189	0.076	-0.0195	0.67421	0.096913	0.03629	-0.04733
-0.03622	0.43488	-0.09332	0.04384	0.022927	0.62117	-0.05037	0.27738	0.11395
0.026129	0.57328	0.029392	0.52634	0.120121	0.00937	0.02502	0.58967	-0.002

-0.11206	0.01541	-0.03248	0.48386	0.020466	0.65911	0.091788	0.04743	0.222907
-0.06892	0.13697	-0.05898	0.20329	-0.02429	0.60054	0.058172	0.20955	0.053819
-0.0977	0.03479	-0.13546	0.00336	-0.08734	0.05929	-0.04258	0.35858	0.184354
-0.05968	0.19797	-0.02951	0.52469	-0.04991	0.28179	-0.07561	0.10268	0.145099
0.028139	0.54413	0.008591	0.85311	0.100224	0.03035	0.153452	0.00088	0.161998
-0.05053	0.27582	-0.00598	0.89744	0.006225	0.89327	0.080381	0.0827	0.237906
-0.10977	0.01764	-0.08631	0.06236	-0.06388	0.16813	-0.0926	0.0455	-0.0518
-0.09551	0.03909	-0.21927	1.72E-06	-0.0868	0.06089	-0.14501	0.00168	0.156596
-0.04717	0.30911	-0.07329	0.1137	0.002584	0.95558	0.0453	0.32866	0.237864
0.063521	0.17056	0.056644	0.22179	0.18984	3.64E-05	0.087366	0.05922	0.154219
-0.08684	0.06077	-0.12177	0.00843	-0.06384	0.16842	-0.02825	0.5426	0.096273
-0.06295	0.17448	0.036419	0.43236	0.032781	0.47975	0.152911	0.00092	0.215528
-0.04952	0.2856	-0.14284	0.00197	0.034817	0.45288	-0.0252	0.58703	0.317288
-0.15915	0.00056	-0.01417	0.76013	-0.14994	0.00115	0.020476	0.65896	-0.08906
0.013241	0.77534	0.035577	0.44308	0.111671	0.01576	0.057653	0.21365	0.256268
-0.06309	0.17347	-0.12685	0.00605	-0.05064	0.27482	-0.02354	0.61182	0.067132
-0.06378	0.16883	-0.03656	0.43056	-0.05996	0.19587	0.018552	0.68925	-0.10124
-0.04296	0.35428	0.010709	0.81746	-0.03497	0.45095	0.047428	0.30642	0.01086
-0.12158	0.00854	-0.12741	0.00583	-0.04204	0.36466	-0.0802	0.08339	0.226453
-0.14804	0.00134	-0.12062	0.00908	-0.06402	0.16719	-0.03579	0.44035	0.076745
-0.0868	0.06089	-0.21004	4.70E-06	-0.0742	0.10929	-0.11276	0.01477	0.17507
-0.10546	0.02266	-0.09354	0.04333	-0.0062	0.89367	0.04877	0.29292	0.20877
-0.02554	0.58191	-0.05111	0.27032	0.170505	0.00021	0.055541	0.23093	0.17311
-0.06886	0.1373	-0.11329	0.0143	-0.13719	0.00297	-0.07489	0.10604	0.072044
-0.01552	0.73796	-0.11881	0.01018	0.067533	0.14507	-0.0236	0.61097	0.24971
-0.00294	0.94942	0.065291	0.15893	0.094428	0.04138	0.106127	0.0218	0.255977
-0.089	0.05462	-0.14489	0.00169	-0.05582	0.2286	-0.0457	0.32436	0.121916
0.055169	0.23408	0.085823	0.06387	0.205546	7.54E-06	0.25254	3.15E-08	0.325961
-0.11756	0.01101	-0.17627	0.00013	-0.00424	0.92718	-0.03452	0.45673	0.283964
-0.10827	0.01927	-0.16884	0.00025	-0.19403	2.42E-05	-0.13031	0.00479	0.070107
-0.08636	0.06221	-0.00525	0.90996	-0.00789	0.86492	0.120887	0.00892	0.288878
-0.05372	0.24665	0.077095	0.0961	0.100373	0.0301	0.193139	2.64E-05	0.200629
-0.01017	0.82654	-0.07466	0.10712	0.025307	0.5854	-0.05991	0.19622	0.200109
-0.08424	0.06895	-0.07477	0.1066	-0.10105	0.029	0.081701	0.07777	0.042782
-0.04235	0.36118	-0.03506	0.44972	-0.01435	0.75712	0.015508	0.73818	-0.01834
-0.07726	0.09539	-0.02318	0.61729	-0.10662	0.0212	-0.02575	0.57888	-0.0048
-0.0241	0.60344	-0.15395	0.00084	-0.03426	0.46011	-0.04635	0.31752	0.281842
-0.08945	0.05339	-0.03143	0.49811	-0.14952	0.00119	0.112206	0.01527	0.128083
-0.05121	0.26942	0.008669	0.85178	0.107488	0.02016	0.050752	0.27372	0.252234
-0.05338	0.24961	-0.12831	0.00549	-0.06777	0.14365	-0.09237	0.04605	-0.01239
-0.0916	0.0479	-0.11195	0.01551	0.015945	0.73109	-0.05813	0.20988	0.203284
-0.0765	0.09872	-0.0307	0.50805	-0.00536	0.90803	0.092493	0.04575	0.282459
-0.00272	0.95329	-0.00757	0.87032	-0.05962	0.19838	0.072442	0.11797	0.180967
-0.09377	0.04283	-0.03888	0.40189	-0.10289	0.02618	0.073788	0.11128	-0.0274
0.051348	0.26813	0.121719	0.00846	-0.04892	0.29147	-0.0161	0.72865	-0.17369

0.058323	0.20837	0.065882	0.15518	0.01988	0.66829	-0.12824	0.00552	-0.06061
0.06452	0.16392	0.09787	0.03448	0.007668	0.86874	-0.03398	0.46384	-0.12647
0.062145	0.18003	0.142799	0.00198	-0.05747	0.21511	0.06058	0.19127	-0.14225
0.038735	0.40363	0.101919	0.02764	-0.03683	0.42722	-0.02576	0.57874	-0.15617
0.065474	0.15777	0.088678	0.0555	-0.04167	0.36894	-0.07524	0.10439	-0.18735
0.031363	0.49898	0.07431	0.10876	-0.05229	0.25946	-0.04967	0.28411	-0.14122
0.040404	0.38368	0.08933	0.05372	-0.04854	0.29518	-0.04279	0.35618	-0.08997
0.049729	0.28352	0.09518	0.03978	-0.06234	0.17865	-0.02647	0.56825	-0.14916
0.059155	0.20194	0.111355	0.01606	-0.03213	0.48853	-0.0511	0.27048	-0.14421
0.061534	0.18436	0.082704	0.07418	-0.02064	0.65635	-0.10234	0.027	-0.13276
0.063073	0.1736	0.109166	0.01828	0.0312	0.50121	-0.05527	0.23325	-0.10907
0.028877	0.53361	0.09054	0.05054	-0.00552	0.9053	-0.02674	0.56432	-0.10689
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0.043536	0.34786	0.125623	0.00656	0.176894	0.00012	0.188865	4.00E-05	0.232826
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-0.13055	0.00472	-0.17387	0.00016	-0.20879	5.36E-06	-0.04394	0.34344	0.147009
-0.12309	0.00775	-0.0256	0.58101	-0.08623	0.06262	-0.02332	0.61517	-0.11272
-0.09679	0.03652	-0.05746	0.21518	-0.14286	0.00197	0.014629	0.75254	0.133964
-0.06151	0.18452	-0.16921	0.00024	-0.02156	0.64216	-0.16784	0.00027	0.102651
-0.07674	0.09765	-0.1159	0.0122	-0.02964	0.52288	-0.07792	0.09258	0.064763
-0.074	0.11024	0.07786	0.09284	0.003962	0.93195	0.174631	0.00015	0.013233
-0.07322	0.11409	-0.02894	0.53272	0.03841	0.4076	-0.0084	0.8564	0.217729
-0.02074	0.6548	-0.03295	0.47746	-0.03999	0.38855	-0.01537	0.74037	0.026401
-0.06526	0.15914	-0.10641	0.02145	-0.00026	0.9955	0.009809	0.83257	0.132315
-0.07201	0.12021	-0.17984	9.31E-05	-0.07985	0.08477	-0.02992	0.51892	0.281506
-0.02524	0.58633	-0.20101	1.20E-05	-0.08891	0.05486	-0.09736	0.03544	0.046922
-0.09225	0.04632	-0.01572	0.73478	-0.0139	0.76455	0.086913	0.06056	0.154241
-0.10186	0.02773	-0.18079	8.53E-05	0.042421	0.36036	-0.06027	0.19356	0.299185
-0.03505	0.4498	-0.09599	0.03812	-0.07696	0.09668	-0.06503	0.16064	0.007518
-0.05586	0.22823	-0.01763	0.70401	-0.1062	0.02171	0.116451	0.01179	0.029291
-0.10135	0.02853	-0.11264	0.01488	-0.10519	0.023	-0.11094	0.01647	0.090169
-0.03665	0.42942	-0.0886	0.0557	0.066635	0.15051	-0.06154	0.18435	0.054429
-0.04453	0.337	-0.11433	0.01343	0.078174	0.09152	-0.01073	0.81705	0.194524
-0.05222	0.26011	-0.08753	0.05873	0.012207	0.79248	0.000655	0.98874	0.150056
-0.08382	0.07034	-0.01047	0.8215	-0.12368	0.00745	0.108364	0.01916	0.053547
-0.1541	0.00083	-0.04342	0.34912	-0.10593	0.02206	0.021514	0.64285	-0.00234
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-0.00451	0.92258	-0.14699	0.00145	0.035233	0.4475	-0.11812	0.01063	0.267669
-0.01608	0.7289	-0.19691	1.82E-05	-0.10175	0.0279	-0.1796	9.52E-05	0.041357
-0.05004	0.28055	-0.13415	0.00368	0.034348	0.459	-0.03474	0.45382	0.279239
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-0.0578	0.21247	-0.05718	0.21747	-0.10102	0.02905	-0.06194	0.18148	0.098664
-0.07974	0.08519	-0.09491	0.04036	-0.11331	0.01429	-0.01475	0.75055	-0.002

-0.0832	0.07246	-0.11607	0.01207	-0.03923	0.39768	-0.10906	0.01839	0.114091
-0.16698	0.00029	-0.07919	0.08739	-0.18227	7.44E-05	0.02967	0.52243	0.014464
-0.02796	0.54676	-0.11006	0.01735	0.073254	0.1139	-0.01014	0.82701	0.269112
-0.07614	0.10031	-0.07054	0.12794	-0.09308	0.04439	-0.02059	0.65724	0.139211
-0.0489	0.29166	0.043735	0.34566	0.111238	0.01618	0.058555	0.20656	0.086819
-0.09472	0.04076	0.02174	0.63935	-0.01921	0.67878	0.108427	0.01909	0.027623
-0.06354	0.17046	0.016639	0.71987	-0.10025	0.03031	0.067559	0.14492	-0.08432
-0.09179	0.04742	-0.10023	0.03034	-0.0381	0.41137	-0.02956	0.52404	0.126602
-0.16558	0.00033	-0.22727	6.93E-07	-0.17431	0.00015	-0.21806	1.96E-06	0.00438
-0.06542	0.15811	-0.08059	0.08191	-0.01406	0.76178	0.044776	0.33429	0.161428
-0.13063	0.00469	-0.16749	0.00028	-0.10452	0.02389	-0.06451	0.16397	0.194957
-0.04257	0.35865	-0.08874	0.05533	0.056761	0.22083	-0.02653	0.56743	0.219708
-0.05919	0.20168	-0.14485	0.0017	-0.04874	0.2932	0.01336	0.77339	0.165981
-0.10971	0.01771	-0.09984	0.031	-0.05289	0.25397	-0.11525	0.0127	-0.05683
-0.05725	0.21687	-0.073	0.11515	-0.16204	0.00044	0.020365	0.66069	-0.04369
-0.05174	0.26444	0.003139	0.94607	0.048582	0.29479	0.098392	0.03352	0.059723
-0.07179	0.12135	-0.08031	0.08297	-0.04327	0.35078	-0.0587	0.20546	0.065034
-0.01972	0.67083	0.002373	0.9592	0.066645	0.15045	0.012797	0.78269	0.052554
-0.07843	0.09047	-0.04031	0.38475	-0.04998	0.28113	0.056779	0.22069	0.038515
-0.04729	0.30778	-0.00479	0.91775	-0.03403	0.46316	0.060736	0.19013	0.021056
0.004043	0.93057	0.055272	0.2332	0.081532	0.07839	0.114626	0.01319	0.23418
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-0.05919	0.2017	-0.15688	0.00067	-0.06783	0.14332	-0.06081	0.18957	0.210734
-0.11075	0.01666	-0.05973	0.19755	-0.01843	0.69122	0.010135	0.82708	0.174829
-0.04593	0.32202	-0.12938	0.00511	-0.08566	0.06438	-0.10232	0.02703	0.000981
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0.015134	0.74428	-0.14292	0.00196	-0.01166	0.80158	-0.0479	0.30163	0.106786
-0.15485	0.00079	-0.16644	0.0003	-0.14064	0.00232	-0.05052	0.27589	0.109613
-0.10205	0.02744	-0.08405	0.06958	-0.07523	0.10445	0.058446	0.20741	0.070731
-0.06003	0.19532	-0.06045	0.19221	0.017493	0.70615	0.029628	0.52302	0.166629
-0.07405	0.11003	-0.12706	0.00597	-0.00859	0.85315	-0.03443	0.45796	0.174924
-0.18173	7.83E-05	-0.06419	0.16612	-0.19684	1.83E-05	-0.03835	0.40829	-0.01675
-0.1378	0.00284	-0.08919	0.05408	-0.10335	0.02552	0.016743	0.71819	0.190116
-0.00454	0.92209	0.013039	0.77869	0.014532	0.75412	0.182726	7.14E-05	0.133937
-0.07576	0.10202	-0.10018	0.03042	0.046168	0.31946	-0.02989	0.51935	0.183253
-0.00793	0.86429	-0.07917	0.08746	-0.02743	0.5543	-0.0231	0.61855	0.287048
-0.06631	0.15254	-0.04966	0.28422	-0.079	0.08814	-0.04191	0.36622	0.088203
-0.0202	0.66325	-0.00414	0.92895	0.037477	0.41909	-0.0025	0.95699	0.109271
-0.12117	0.00877	-0.12784	0.00567	-0.0614	0.18529	-0.03745	0.41948	0.105089
-0.12716	0.00593	-0.18114	8.26E-05	-0.12409	0.00726	-0.12606	0.00638	0.097669
0.049268	0.28801	-0.01622	0.7266	0.170689	0.00021	0.0672	0.14707	0.313016
-0.10684	0.02093	-0.09765	0.03489	-0.05364	0.24727	0.004056	0.93033	0.1807
-0.15255	0.00094	-0.08741	0.05911	-0.19988	1.35E-05	0.026037	0.57462	0.11841
-0.03089	0.50547	0.067306	0.14644	0.085882	0.06369	0.064338	0.16512	-0.01853

-0.11653	0.01173	-0.06948	0.13381	-0.03615	0.43578	-0.02286	0.62212	0.062066
-0.07577	0.10196	0.072099	0.11973	-0.01601	0.73006	0.075717	0.10221	-0.07609
-0.11971	0.00962	-0.13602	0.00323	-0.1353	0.0034	-0.01218	0.79287	0.128803
-0.07407	0.1099	-0.12895	0.00526	-0.1321	0.00424	-0.01122	0.80887	0.083056
0.008013	0.86289	-0.06247	0.17779	0.071753	0.12152	0.026468	0.5683	0.203695
-0.04773	0.30331	0.003284	0.94358	-0.08017	0.08352	0.06237	0.17846	0.11974
0.038042	0.4121	0.228693	5.88E-07	0.298781	4.38E-11	0.250919	3.88E-08	0.375692
-0.07484	0.10625	-0.126	0.0064	0.001195	0.97946	-0.06846	0.13962	0.171208
0.005761	0.90119	0.082804	0.07383	0.207054	6.44E-06	0.211271	4.12E-06	0.27763
-0.19769	1.68E-05	-0.13113	0.00453	-0.26946	3.27E-09	-0.12817	0.00554	-0.07272
-0.01122	0.80896	-0.04571	0.32426	0.060254	0.19367	0.121752	0.00844	0.24786
-0.13245	0.00414	-0.07784	0.09294	-0.14432	0.00177	0.056744	0.22097	0.057163
-0.14379	0.00184	-0.00358	0.93846	-0.01177	0.79983	0.055697	0.22963	0.118323
-0.11211	0.01536	-0.07654	0.09853	-0.11187	0.01558	-0.02611	0.57359	0.059184
-0.06064	0.19085	-0.07618	0.10011	-0.00055	0.99048	-0.04563	0.32519	-0.05713
-0.079	0.08812	-0.03572	0.44128	-0.01749	0.70614	0.019437	0.67526	0.038249
-0.03451	0.45694	-0.14709	0.00144	-0.0441	0.34169	-0.03169	0.4945	0.068653
-0.1083	0.01923	-0.10363	0.02513	-0.10528	0.02289	-0.0251	0.58844	0.123868
-0.03796	0.41313	-0.07215	0.11946	0.033244	0.47357	0.02574	0.57899	0.201495
-0.04267	0.35752	-0.0526	0.25662	-0.05751	0.21482	0.084837	0.06699	0.115852
0.130682	0.00467	0.19535	2.13E-05	0.297215	5.59E-11	0.336703	7.66E-14	0.483477
-0.05258	0.25678	0.076667	0.09797	0.089172	0.05414	0.277461	1.06E-09	0.619967
0.11133	0.01609	0.308944	8.72E-12	0.236246	2.41E-07	0.338468	5.57E-14	0.609063
0.054227	0.24217	0.229363	5.44E-07	0.370135	1.31E-16	0.288231	2.19E-10	0.903523
-0.00331	0.94321	0.090128	0.0516	0.271903	2.33E-09	0.172096	0.00019	0.860735
0.035243	0.44738	0.146875	0.00146	0.383865	7.63E-18	0.151783	0.001	0.82337
0.099716	0.0312	0.198483	1.55E-05	0.377691	2.78E-17	0.160778	0.00049	0.637948
0.049072	0.28994	0.161304	0.00047	0.35463	2.76E-15	0.255661	2.10E-08	0.828417
0.014009	0.7627	-0.03942	0.39538	0.238918	1.74E-07	-0.03851	0.40638	0.727448
0.095013	0.04013	0.502919	2.63E-31	0.567426	3.78E-41	0.520961	7.54E-34	0.749834
0.05058	0.27536	0.104451	0.02399	0.127142	0.00593	0.094832	0.04052	0.499995
0.030869	0.50576	0.133931	0.00374	0.173104	0.00017	0.224207	9.85E-07	0.697094
0.059236	0.20132	0.132412	0.00415	0.299847	3.71E-11	0.19717	1.77E-05	0.768182
-0.01838	0.69199	0.089014	0.05457	0.221478	1.34E-06	0.176246	0.00013	0.855939
0.057012	0.2188	0.387802	3.29E-18	0.262829	8.11E-09	0.41308	1.14E-20	0.600735
0.06104	0.18791	0.30038	3.41E-11	0.450641	9.77E-25	0.300953	3.12E-11	0.652608
-0.05334	0.25001	0.188873	4.00E-05	0.13734	0.00294	0.321336	1.12E-12	0.700886
-0.01417	0.75999	0.140853	0.00228	0.261478	9.72E-09	0.245052	8.17E-08	0.901886
0.001675	0.97121	0.16933	0.00024	0.311105	6.14E-12	0.259907	1.20E-08	0.914961
-0.0238	0.60788	0.10758	0.02005	0.085497	0.06489	0.251846	3.45E-08	0.760721
0.034154	0.46155	0.194455	2.32E-05	0.395051	6.81E-19	0.279295	8.14E-10	0.873151
-0.02584	0.57756	0.079476	0.08623	0.197808	1.66E-05	0.174158	0.00016	0.891009
0.027848	0.5483	0.227838	6.49E-07	0.408383	3.38E-20	0.299361	4.00E-11	0.874979
0.013581	0.76973	0.293713	9.58E-11	0.41652	5.06E-21	0.376424	3.62E-17	0.936013
0.024257	0.60107	0.151169	0.00105	0.321715	1.05E-12	0.123034	0.00777	0.741621

0.000911	0.98433	0.023767	0.60843	0.118798	0.01019	0.103317	0.02557	0.467955
-0.00772	0.86792	0.291536	1.33E-10	0.12694	0.00601	0.370701	1.17E-16	0.617489
0.035917	0.43873	0.187261	4.66E-05	0.217858	2.01E-06	0.214349	2.95E-06	0.682345
-0.06726	0.14672	0.239815	1.56E-07	0.076919	0.09686	0.355164	2.49E-15	0.666039
0.087608	0.05852	0.296322	6.42E-11	0.356143	2.06E-15	0.352634	4.04E-15	0.825879
0.075893	0.10141	0.326621	4.52E-13	0.471199	3.47E-27	0.402902	1.18E-19	0.640368
-0.0464	0.31701	0.030042	0.51723	0.004582	0.92133	0.222385	1.21E-06	0.523231
0.003966	0.93188	0.169504	0.00023	0.21925	1.72E-06	0.30085	3.17E-11	0.906447
0.094666	0.04087	0.161407	0.00046	0.261474	9.73E-09	0.252308	3.25E-08	0.663497
-0.01645	0.72291	0.194272	2.36E-05	0.335218	9.99E-14	0.30841	9.51E-12	0.729705
0.044115	0.34148	0.2723	2.20E-09	0.312321	5.03E-12	0.370828	1.14E-16	0.880056
0.061445	0.18499	0.352195	4.39E-15	0.409795	2.44E-20	0.423007	1.07E-21	0.914191
0.029506	0.52474	0.211751	3.91E-06	0.302508	2.44E-11	0.273513	1.86E-09	0.86597
0.032826	0.47915	0.361652	7.08E-16	0.314648	3.43E-12	0.422434	1.23E-21	0.826457
0.064638	0.16315	0.278459	9.19E-10	0.392913	1.09E-18	0.398036	3.52E-19	0.614816
0.070937	0.12582	0.353716	3.29E-15	0.335839	8.94E-14	0.484382	7.59E-29	0.759181
0.063194	0.17277	0.257717	1.60E-08	0.439791	1.65E-23	0.331764	1.84E-13	0.855987
0.030885	0.50553	0.233393	3.38E-07	0.396348	5.12E-19	0.289509	1.81E-10	0.877979
0.038806	0.40278	0.143918	0.00182	0.360951	8.12E-16	0.211422	4.05E-06	0.797221
0.146112	0.00155	0.32984	2.58E-13	0.458963	1.04E-25	0.385481	5.41E-18	0.710615
0.011283	0.80787	0.176834	0.00012	0.314971	3.25E-12	0.265534	5.62E-09	0.908694
0.001092	0.98122	0.320677	1.25E-12	0.3457	1.48E-14	0.439911	1.60E-23	0.737685
0.038857	0.40216	0.322845	8.65E-13	0.26595	5.31E-09	0.350804	5.71E-15	0.553224
0.069664	0.13278	0.17885	0.0001	0.412591	1.28E-20	0.221572	1.33E-06	0.836579
0.171061	0.0002	0.482701	1.25E-28	0.646042	1.62E-56	0.462285	4.20E-26	0.811428
0.079936	0.08443	0.198428	1.56E-05	0.245876	7.36E-08	0.229067	5.63E-07	0.640285
0.057035	0.21861	0.298044	4.91E-11	0.462071	4.45E-26	0.288742	2.03E-10	0.756427
0.116383	0.01184	0.328141	3.47E-13	0.397948	3.59E-19	0.400571	2.00E-19	0.775881
0.124051	0.00728	0.371465	9.99E-17	0.431623	1.29E-22	0.40733	4.31E-20	0.626289
0.130129	0.00485	0.340408	3.92E-14	0.499327	8.11E-31	0.373758	6.26E-17	0.811481
0.119786	0.00957	0.315854	2.81E-12	0.364061	4.40E-16	0.291529	1.33E-10	0.660169
0.125476	0.00663	0.2193	1.71E-06	0.323104	8.28E-13	0.396188	5.30E-19	0.503171
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0.110743	0.01666	0.371245	1.04E-16	0.452788	5.52E-25	0.433646	7.81E-23	0.685898
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0.037433	0.41963	0.071278	0.12401	0.268824	3.57E-09	0.104744	0.02359	0.508006
0.090218	0.05137	0.446984	2.56E-24	0.466376	1.35E-26	0.377177	3.10E-17	0.628023
0.046029	0.32093	0.399418	2.59E-19	0.42323	1.02E-21	0.527088	9.52E-35	0.796119
-0.06716	0.14733	0.019308	0.67729	0.102889	0.02619	0.117634	0.01096	0.652501
0.063039	0.17383	0.234195	3.07E-07	0.368136	1.96E-16	0.226995	7.15E-07	0.812248
0.127383	0.00584	0.28545	3.31E-10	0.448665	1.65E-24	0.322402	9.33E-13	0.671449
0.001754	0.96985	-0.08921	0.05405	0.138778	0.00265	-0.23377	3.24E-07	0.140148
0.029918	0.51897	0.293913	9.29E-11	0.090646	0.05027	0.287834	2.33E-10	-0.03812
0.004112	0.92937	-0.10155	0.02822	0.128256	0.00551	-0.17014	0.00022	0.077127
0.020815	0.65368	-0.04451	0.33716	0.222466	1.20E-06	-0.12755	0.00577	0.207465

0.072816	0.11608	-0.02917	0.52944	0.264768	6.23E-09	-0.13128	0.00449	0.142232
-0.05291	0.2538	0.069398	0.13427	-0.2604	1.12E-08	0.065633	0.15676	-0.22629
-0.01427	0.75846	-0.01745	0.70688	0.095374	0.03938	-0.12544	0.00664	-0.036
0.01881	0.68515	-0.01218	0.79295	0.249523	4.64E-08	-0.1043	0.02419	0.149798
0.070393	0.12876	-0.10078	0.02943	0.170242	0.00022	-0.12918	0.00518	0.239217
0.030303	0.5136	0.00203	0.9651	0.14021	0.00239	-0.00895	0.84697	-0.03872
0.05485	0.2368	0.016067	0.72912	0.19255	2.80E-05	-0.11605	0.01208	0.040504
-0.0383	0.40895	-0.13281	0.00404	-0.06525	0.15918	-0.18136	8.10E-05	0.013621
-0.00951	0.83755	-0.10039	0.03008	0.137923	0.00282	-0.14803	0.00134	0.117151
0.049874	0.28212	-0.05035	0.27752	0.243603	9.78E-08	-0.10697	0.02078	0.290078
0.037268	0.42169	0.015666	0.73562	0.261597	9.57E-09	-0.00056	0.99033	0.318149
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0.072582	0.11726	0.041422	0.37179	0.298541	4.55E-11	-0.03732	0.42103	0.162798
-0.11301	0.01455	-0.08892	0.05482	0.021995	0.63542	-0.17477	0.00015	-0.10069
0.013575	0.76984	-0.07837	0.0907	0.070405	0.1287	-0.1331	0.00396	0.165613
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0.037123	0.4235	-0.0526	0.25662	0.105817	0.0222	-0.12759	0.00576	0.079974
0.09753	0.03512	0.125446	0.00664	0.205044	7.94E-06	0.082071	0.07643	0.1217
0.021296	0.64622	-0.08836	0.05637	0.20696	6.50E-06	-0.20298	9.83E-06	0.158502
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0.060171	0.19429	-0.01287	0.78156	0.208766	5.37E-06	-0.09055	0.05051	0.145058
0.003838	0.93408	-0.12134	0.00867	0.108041	0.01952	-0.1907	3.35E-05	0.13039
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0.046596	0.31499	-0.05477	0.23744	0.195892	2.01E-05	-0.10016	0.03045	0.103742
0.05558	0.2306	-0.11541	0.01257	0.188654	4.08E-05	-0.17625	0.00013	0.253571
0.006891	0.88194	-0.20925	5.10E-06	-0.03646	0.43179	-0.16592	0.00032	0.17283
0.006291	0.89214	-0.17145	0.0002	0.121541	0.00856	-0.15614	0.00071	0.305248
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0.007659	0.86889	-0.00668	0.88561	0.172546	0.00018	-0.11377	0.0139	0.039163
0.011581	0.8029	-0.06327	0.17223	0.032568	0.48262	-0.05352	0.24833	0.172822
-0.05401	0.24402	-0.07188	0.12084	0.059894	0.19635	-0.08037	0.08276	0.253143
-0.01791	0.69941	-0.06771	0.14399	0.063596	0.17006	-0.11394	0.01375	0.237252
0.002616	0.95503	-0.15453	0.00081	0.065929	0.15489	-0.22271	1.17E-06	0.058462
-0.03845	0.40706	-0.06163	0.18366	0.110443	0.01696	-0.13526	0.0034	0.193175
-0.00085	0.98531	-0.00507	0.913	0.033583	0.46907	-0.06041	0.19255	0.152769
0.009559	0.83677	-0.13367	0.0038	0.059566	0.19882	-0.12301	0.00779	0.251128
-0.02089	0.65246	0.18744	4.58E-05	-0.08623	0.0626	0.201992	1.09E-05	-0.04276
0.035419	0.44511	0.004504	0.92266	0.149786	0.00117	-0.11041	0.01699	0.083807
-9.69E-05	0.99833	0.014343	0.75722	0.177345	0.00012	-0.06358	0.17017	0.148746
0.036536	0.43088	-0.03559	0.44297	0.210477	4.48E-06	-0.1838	6.46E-05	0.111807
-0.00121	0.97924	-0.11241	0.01508	0.010657	0.81833	-0.20505	7.94E-06	0.043123
-0.04261	0.35821	0.028857	0.5339	0.084399	0.06842	-0.04864	0.29423	0.051859
0.016015	0.72996	-0.10169	0.028	0.138014	0.0028	-0.17469	0.00015	0.117286
1.39E-05	0.99976	-0.15158	0.00102	0.098151	0.03396	-0.2423	1.15E-07	0.086436
0.042836	0.35567	-0.09893	0.03257	0.135152	0.00343	-0.24135	1.29E-07	0.16282

-0.03221	0.48747	-0.08983	0.05239	0.168627	0.00025	-0.12117	0.00876	0.156354
-0.0449	0.33293	-0.10414	0.02441	0.08011	0.08375	-0.10597	0.022	0.193556
0.002355	0.95953	-0.05624	0.22509	0.187104	4.73E-05	-0.13295	0.004	0.127665
-0.01661	0.72039	-0.03202	0.48998	0.153735	0.00086	-0.10177	0.02787	0.119266
-0.05227	0.25957	0.054637	0.23862	0.217836	2.01E-06	0.015668	0.73558	0.247019
0.020819	0.65362	-0.06035	0.19295	0.060484	0.19197	-0.1755	0.00014	-0.06352
0.0743	0.10881	-0.07266	0.11688	0.29733	5.49E-11	-0.12623	0.00631	0.207316
0.011828	0.79878	-0.14874	0.00127	0.132926	0.00401	-0.25467	2.39E-08	0.184516
-0.13075	0.00465	-0.10259	0.02662	0.047714	0.30352	-0.12169	0.00848	0.098944
-0.05748	0.21503	-0.18368	6.53E-05	0.022296	0.6308	-0.25185	3.44E-08	0.111051
-0.10078	0.02944	-0.18989	3.63E-05	-0.00333	0.94277	-0.16462	0.00035	0.160798
0.011394	0.80602	-0.15387	0.00085	0.023123	0.61818	-0.24086	1.37E-07	0.107754
0.003392	0.94171	-0.05369	0.24688	0.04085	0.37844	-0.121	0.00886	0.025143
-0.02955	0.52416	-0.16787	0.00027	0.013579	0.76977	-0.15432	0.00082	0.13059
-0.04159	0.36982	-0.13684	0.00305	0.113016	0.01454	-0.1631	0.0004	0.184795
0.007548	0.87078	-0.16446	0.00036	0.089295	0.05381	-0.20144	1.15E-05	0.047474
-0.02878	0.53503	-0.07419	0.10936	0.07815	0.09162	-0.10899	0.01847	0.261568
-0.01748	0.70639	-0.12979	0.00497	0.069553	0.1334	-0.236	2.48E-07	0.013659
0.036523	0.43104	-0.05859	0.2063	0.230579	4.72E-07	-0.11958	0.00969	0.287634
0.053845	0.24551	0.135546	0.00334	0.278993	8.51E-10	0.1639	0.00038	0.220137
-0.00017	0.99711	-0.06339	0.17142	0.193792	2.48E-05	-0.0825	0.07491	0.270978
-0.0616	0.18391	-0.00479	0.91774	0.159833	0.00053	-0.1405	0.00234	0.063874
-0.04451	0.33721	-0.1754	0.00014	0.04175	0.36802	-0.21352	3.23E-06	0.086169
0.082968	0.07326	-0.09751	0.03515	0.138726	0.00266	-0.06773	0.14393	0.236348
0.118562	0.01034	0.009075	0.84493	0.261069	1.03E-08	-0.0357	0.44149	0.190174
-0.06298	0.17423	-0.00802	0.86272	0.092721	0.04521	-0.02752	0.55307	0.023712
0.009773	0.83317	-0.0413	0.37315	0.118377	0.01046	-0.10132	0.02857	0.054458
-0.01768	0.70311	-0.21592	2.49E-06	0.057011	0.2188	-0.25813	1.52E-08	0.10152
0.027536	0.5528	-0.10777	0.01984	0.167541	0.00028	-0.1877	4.47E-05	0.168418
-0.01278	0.78298	-0.14439	0.00176	0.057734	0.21301	-0.12847	0.00543	0.238223
0.009805	0.83264	-0.00735	0.87417	0.258907	1.37E-08	-0.06786	0.14313	0.309307
-0.00768	0.86856	0.089675	0.05279	0.208951	5.27E-06	-0.00087	0.98504	0.074997
-0.02314	0.618	-0.11262	0.01489	0.0909	0.04963	-0.22993	5.09E-07	0.016491
-0.07147	0.12297	-0.13662	0.00309	0.056132	0.226	-0.14297	0.00195	0.278005
0.022108	0.63369	-0.19444	2.33E-05	0.070996	0.12551	-0.25054	4.08E-08	0.092002
-0.03194	0.49109	-0.02464	0.59536	0.217098	2.18E-06	-0.07478	0.10654	0.220851
0.037689	0.41646	-0.01162	0.80219	0.130756	0.00465	-0.08717	0.0598	0.069069
0.06307	0.17362	-0.04543	0.32725	0.100379	0.03009	-0.04956	0.28521	0.026158
-0.06474	0.1625	0.162719	0.00041	0.062892	0.17484	0.275889	1.33E-09	0.109804
-0.01171	0.80082	-0.15304	0.00091	0.134536	0.00358	-0.27213	2.26E-09	0.128901
0.012305	0.79085	-0.07179	0.1213	-0.02198	0.63567	-0.13201	0.00427	0.038187
0.023106	0.61845	-0.02706	0.55976	0.27225	2.22E-09	-0.09968	0.03126	0.226115
0.078328	0.09089	-0.07023	0.12964	0.165116	0.00034	-0.07006	0.13059	0.230867
-0.01472	0.75102	-0.15801	0.00061	0.0482	0.29861	-0.22291	1.14E-06	0.11585
-0.09282	0.04498	-0.13499	0.00347	0.00275	0.95274	-0.0838	0.07041	0.159534



-0.09501	0.04013	-0.25834	1.48E-08	-0.13206	0.00425	-0.17246	0.00018	0.052234
-0.04545	0.32703	0.055201	0.23381	0.117159	0.01128	0.035032	0.4501	0.227782
-0.04572	0.32416	-0.06023	0.19387	0.126789	0.00608	-0.10068	0.0296	0.250699
-0.07314	0.11448	-0.00083	0.9858	0.090597	0.05039	-0.07467	0.10708	0.054307
-0.00847	0.85508	-0.18375	6.49E-05	0.07621	0.09999	-0.23665	2.29E-07	0.218828
-0.06693	0.14871	-0.18707	4.75E-05	-0.02021	0.66309	-0.21071	4.37E-06	0.106054
0.065647	0.15667	-0.04415	0.34108	0.230392	4.82E-07	-0.08092	0.08065	0.092575
-0.08163	0.07801	-0.05262	0.2564	0.17336	0.00017	-0.10486	0.02344	0.102068
-0.0576	0.21404	-0.05779	0.21256	0.042009	0.36504	-0.12092	0.0089	0.119336
-0.15506	0.00077	-0.13063	0.00469	-0.05758	0.21426	-0.10667	0.02113	0.089013
-0.01704	0.71342	-0.15355	0.00087	0.143198	0.00192	-0.17333	0.00017	0.212814
0.042969	0.35419	-0.05441	0.24058	0.086628	0.06141	-0.08554	0.06476	-0.119
0.027492	0.55343	-0.12576	0.0065	0.032895	0.47823	-0.19751	1.71E-05	0.097887
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-0.02169	0.64019	-0.09561	0.03888	0.192735	2.75E-05	-0.13778	0.00285	0.199485
0.095551	0.03901	0.066354	0.15224	0.29499	7.87E-11	0.049699	0.28382	0.17806
0.056778	0.22069	0.112578	0.01493	0.282083	5.44E-10	0.115496	0.01251	0.196439
0.062711	0.17609	-0.12944	0.00509	0.056299	0.22462	-0.19125	3.18E-05	0.177277
0.029804	0.52056	-0.11564	0.01239	0.185046	5.75E-05	-0.16664	0.0003	0.081082
-0.00436	0.92509	-0.05805	0.21051	0.099722	0.03119	-0.20306	9.76E-06	0.02957
-0.04817	0.2989	-0.10406	0.02452	-0.04331	0.35035	-0.1644	0.00036	0.097218
-0.03279	0.47961	-0.0743	0.10879	0.012347	0.79014	-0.18583	5.34E-05	-0.09976
0.002911	0.94997	-0.0755	0.10319	0.168731	0.00025	-0.0796	0.08576	0.235461
0.025715	0.57937	-0.02795	0.5468	0.19788	1.65E-05	-0.05217	0.26054	0.288033
-0.0596	0.19855	0.045088	0.33092	0.190642	3.37E-05	0.055045	0.23513	0.243504
-0.08954	0.05316	-0.06329	0.1721	-0.00574	0.9015	-0.09541	0.0393	0.132501
-0.04508	0.331	0.015143	0.74413	-0.18205	7.60E-05	0.03307	0.47589	-0.13729
0.016994	0.71416	-0.19853	1.55E-05	0.135923	0.00325	-0.26466	6.32E-09	0.224275
0.033953	0.46418	-0.10206	0.02743	0.189969	3.60E-05	-0.20356	9.26E-06	0.229118
0.026589	0.56654	-0.0377	0.41637	0.048416	0.29645	-0.05184	0.26358	0.144223
0.053375	0.24966	0.009463	0.83839	0.266173	5.15E-09	-0.056	0.22707	0.265953
-0.02625	0.57143	-0.02532	0.58524	0.127377	0.00584	-0.04717	0.30906	0.046214
0.018015	0.69779	-0.02098	0.65115	0.191548	3.09E-05	-0.0411	0.37554	0.186733
0.041339	0.37275	-0.12998	0.0049	0.118731	0.01023	-0.17654	0.00013	0.262148
0.047049	0.31031	-0.13079	0.00464	0.156626	0.00068	-0.24242	1.13E-07	0.243091
-0.02543	0.58365	-0.0871	0.05999	0.126763	0.00609	-0.13584	0.00327	0.094913
0.003035	0.94785	0.061909	0.18169	0.215854	2.50E-06	0.137371	0.00293	0.34551
0.091118	0.04908	0.03089	0.50547	0.219377	1.70E-06	-0.11655	0.01172	0.079895
-0.00064	0.98898	-0.04317	0.35198	0.082328	0.07551	-0.14018	0.0024	-0.01829
0.097973	0.03429	0.065521	0.15746	0.364674	3.90E-16	0.032248	0.48693	0.254119
0.005382	0.90765	-0.18547	5.52E-05	0.138874	0.00263	-0.14523	0.00165	0.19294
0.022679	0.62495	-0.11533	0.01263	0.191787	3.02E-05	-0.13693	0.00303	0.143316
0.030757	0.50731	-0.1447	0.00172	0.103595	0.02517	-0.18034	8.89E-05	0.125932
0.046667	0.31426	0.096771	0.03657	0.307616	1.08E-11	0.107677	0.01994	0.273092
0.060758	0.18996	0.080798	0.08112	0.267819	4.11E-09	-0.01547	0.73888	0.277278

0.039784	0.39101	0.039789	0.39096	0.300686	3.25E-11	-0.01151	0.804	0.159565
-0.05344	0.24913	-0.19066	3.36E-05	-0.13214	0.00423	-0.26045	1.12E-08	-0.1025
0.020088	0.66502	0.074156	0.1095	0.207663	6.04E-06	-0.00219	0.96239	0.181604
0.02136	0.64522	0.08606	0.06314	0.28102	6.34E-10	0.054002	0.24414	0.476631
0.071796	0.12129	0.077875	0.09278	0.289512	1.81E-10	0.000805	0.98617	0.224667
0.012872	0.78145	0.028722	0.53582	0.151069	0.00106	-0.16216	0.00043	-0.01785
-0.03625	0.4345	-0.20932	5.07E-06	0.065164	0.15975	-0.17502	0.00014	0.260372
0.084788	0.06715	-0.03024	0.51441	0.139603	0.0025	-0.0687	0.13826	0.187302
-0.13031	0.00479	-0.25138	3.66E-08	-0.11865	0.01028	-0.29235	1.18E-10	0.136948
-0.07555	0.10299	-0.04303	0.35349	0.060027	0.19536	-0.13036	0.00478	0.047009
0.030436	0.51175	-0.07072	0.12701	0.019504	0.67419	-0.11751	0.01104	0.064031
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0.006379	0.89065	-0.08884	0.05505	0.145563	0.00161	-0.11373	0.01393	0.221955
0.048548	0.29513	-0.06049	0.1919	0.202339	1.05E-05	-0.08046	0.08241	0.220958
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0.116818	0.01153	-0.01864	0.68785	0.284625	3.74E-10	-0.02928	0.52796	0.3412
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0.010281	0.82464	-0.08179	0.07745	0.14955	0.00119	-0.01072	0.81733	0.270498
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0.051013	0.27126	-0.04977	0.28308	0.172862	0.00017	-0.14918	0.00122	0.240809
-0.01379	0.7663	0.045359	0.32803	0.234729	2.89E-07	-0.00657	0.88735	0.322053
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0.035203	0.44789	-0.00664	0.88624	0.239391	1.64E-07	-0.10924	0.0182	0.208034
-0.06522	0.1594	0.078762	0.08911	-0.05024	0.27864	0.084286	0.06879	-0.04017
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0.004408	0.9243	-0.25564	2.11E-08	-0.03986	0.39008	-0.2058	7.34E-06	0.202759
-0.14668	0.00148	-0.08031	0.08296	-0.02074	0.65479	-0.15077	0.00108	0.036366
0.00763	0.86938	-0.11098	0.01642	0.089189	0.0541	-0.12669	0.00612	0.086271
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0.029696	0.52207	-0.01748	0.70629	0.12009	0.00939	-0.09106	0.04923	0.209826
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0.115363	0.01261	0.098096	0.03406	0.182542	7.26E-05	-0.04794	0.30127	0.055164
0.073291	0.11372	-0.02298	0.62041	0.280629	6.71E-10	-0.00515	0.91159	0.338848
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0.013346	0.77362	-0.15739	0.00064	0.13892	0.00262	-0.13706	0.003	0.304381
-0.01671	0.71877	-0.18901	3.94E-05	0.095913	0.03827	-0.18258	7.24E-05	0.190671
-0.06719	0.14714	-0.0263	0.57082	0.057666	0.21355	-0.10581	0.0222	0.070306
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0.057663	0.21357	-0.13157	0.0044	0.085443	0.06506	-0.20086	1.22E-05	0.11833
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0.03302	0.47656	-0.22085	1.44E-06	0.063234	0.1725	-0.25602	2.00E-08	0.139082
-0.11879	0.01019	0.002696	0.95366	0.032582	0.48243	-0.06524	0.15925	-0.02452
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0.0143	0.75792	-0.19819	1.60E-05	0.066357	0.15223	-0.25912	1.33E-08	0.138613
0.010217	0.82571	-0.09559	0.03894	0.227125	7.05E-07	-0.12958	0.00504	0.189743
-0.08064	0.08171	-0.19027	3.50E-05	0.074074	0.10989	-0.24214	1.17E-07	0.033573
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0.031924	0.49132	0.222929	1.14E-06	0.06938	0.13437	0.210195	4.62E-06	0.019036
0.08709	0.06003	-0.02748	0.55356	0.263909	7.00E-09	-0.0841	0.06939	0.113768
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-0.0328	0.47949	0.157735	0.00062	-0.01728	0.70956	0.159349	0.00055	-0.25057
0.041723	0.36833	-0.01117	0.80973	0.225718	8.29E-07	-0.03215	0.48824	0.279287
0.003397	0.94163	-0.11989	0.0095	0.02354	0.61186	-0.09469	0.04082	-0.01817
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0.022187	0.63249	-0.07686	0.09711	0.130073	0.00487	-0.16668	0.0003	0.086728
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0.084344	0.0686	0.116776	0.01156	0.232419	3.80E-07	-0.07182	0.12118	-0.02767
0.001208	0.97923	-0.04894	0.29122	0.159791	0.00053	-0.14227	0.00206	0.035089
0.0097	0.83441	-0.02042	0.65983	0.054858	0.23673	-0.08206	0.07647	0.051727
-0.02043	0.65967	-0.09797	0.0343	0.094766	0.04065	-0.21102	4.23E-06	0.130838
-0.07352	0.11259	-0.156	0.00072	0.068824	0.13752	-0.16227	0.00043	0.167776
0.017433	0.7071	-0.16722	0.00028	0.033734	0.46707	-0.1471	0.00143	0.137985
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0.011001	0.81257	-0.05156	0.26612	-0.00858	0.85333	-0.09389	0.04255	-0.12157
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0.013824	0.76575	0.033454	0.47077	0.216336	2.38E-06	0.02422	0.60162	0.185244
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-0.11078	0.01662	-0.18674	4.90E-05	-0.07124	0.12423	-0.22034	1.52E-06	0.011042
-0.06737	0.14602	-0.10398	0.02464	0.104306	0.02418	-0.11046	0.01694	0.012356
-0.0617	0.18318	-0.1638	0.00038	0.03942	0.39537	-0.22833	6.13E-07	0.104785
0.069148	0.13568	0.138777	0.00265	0.304454	1.79E-11	0.004665	0.91991	0.210219
0.010119	0.82735	-0.03046	0.51136	0.033207	0.47406	-0.06865	0.13855	-0.01387
0.040596	0.38142	-0.08874	0.05534	0.050714	0.27408	-0.21885	1.80E-06	0.072056
0.030607	0.50937	-0.06652	0.15123	0.035699	0.44152	-0.10367	0.02507	-0.08472
0.099214	0.03207	0.076866	0.0971	0.219772	1.62E-06	-0.02395	0.60563	0.160581
0.017859	0.70029	-0.06958	0.13322	0.134794	0.00352	-0.16153	0.00046	0.117327
0.020717	0.65521	-0.16947	0.00023	-0.00977	0.83316	-0.15745	0.00064	0.089123
0.038955	0.40097	0.064881	0.16157	0.286345	2.90E-10	0.030658	0.50867	0.212487
0.036469	0.43172	-0.09665	0.0368	0.1095	0.01793	-0.08319	0.07248	0.217422
-0.01873	0.68644	-0.13098	0.00458	0.111046	0.01636	-0.23663	2.30E-07	0.114715
-0.0097	0.83433	-0.22315	1.11E-06	0.016931	0.71516	-0.20678	6.63E-06	0.219773
0.054123	0.24308	0.041095	0.37558	0.157276	0.00065	-0.0741	0.10979	-0.0732
-0.02339	0.61418	0.1286	0.00538	-0.09234	0.0461	0.219181	1.73E-06	-0.13925

-0.03339	0.47158	-0.13162	0.00438	0.034279	0.4599	-0.20534	7.70E-06	0.057983
0.046574	0.31523	-0.03244	0.48436	0.058462	0.20728	-0.13824	0.00276	0.055747
-0.06025	0.19371	-0.14128	0.00221	0.043081	0.35292	-0.1982	1.60E-05	-0.01573
-0.11202	0.01544	-0.26018	1.16E-08	-0.13601	0.00323	-0.27226	2.21E-09	0.142953
-0.02307	0.61897	-0.10582	0.02219	0.127994	0.00561	-0.19612	1.97E-05	0.109542
0.02682	0.56317	-0.06393	0.16779	0.195338	2.13E-05	-0.08153	0.0784	0.264921
-0.03073	0.50764	-0.10301	0.02601	0.070514	0.1281	-0.15102	0.00106	0.102968
-0.02903	0.53148	-0.17191	0.00019	0.154192	0.00083	-0.24404	9.26E-08	0.118581
-0.03119	0.50129	-0.13777	0.00285	0.110451	0.01695	-0.21807	1.96E-06	0.251563
-0.07993	0.08445	-0.09939	0.03176	0.055091	0.23474	-0.09397	0.04239	0.158795
-0.09281	0.04501	-0.18768	4.48E-05	-0.0754	0.10365	-0.18215	7.53E-05	0.034726
-0.02736	0.55532	-0.11642	0.01181	0.101321	0.02857	-0.07462	0.1073	0.281194
0.114967	0.01292	0.141168	0.00223	0.35381	3.23E-15	0.043434	0.34899	0.107278
-0.10345	0.02537	-0.05662	0.22199	-0.30069	3.25E-11	-0.04186	0.36671	-0.2234
-0.01495	0.74725	-0.21486	2.79E-06	0.032148	0.48828	-0.29437	8.66E-11	0.110847
-0.07524	0.10441	-0.18103	8.35E-05	0.010396	0.8227	-0.19318	2.63E-05	0.223742
0.044931	0.33262	-0.00779	0.86659	0.232586	3.72E-07	-0.1246	0.00702	0.195663
0.009265	0.84173	-0.17693	0.00012	-0.02432	0.60017	-0.29536	7.44E-11	0.072903
-0.08439	0.06846	-0.17228	0.00018	-0.02115	0.64844	-0.19636	1.92E-05	0.170648
-0.07721	0.09561	-0.18538	5.57E-05	0.01673	0.7184	-0.23151	4.23E-07	0.105778
0.058252	0.20893	-0.09713	0.03587	0.205858	7.30E-06	-0.13542	0.00337	0.287895
0.030725	0.50775	0.008594	0.85305	0.123753	0.00742	-0.01478	0.7501	0.110772
0.013171	0.7765	-0.13442	0.00361	0.14829	0.00131	-0.19103	3.25E-05	0.14936
0.021192	0.64783	-0.08403	0.06964	0.231816	4.08E-07	-0.18424	6.20E-05	0.148643
0.008936	0.84727	-0.158	0.00061	0.097618	0.03495	-0.21037	4.53E-06	0.196964
-0.06726	0.14673	-0.17702	0.00012	0.007033	0.87952	-0.1991	1.46E-05	0.046297
-0.01842	0.69141	-0.02075	0.65466	0.095736	0.03863	-0.02439	0.59913	0.1865
-0.00649	0.88873	-0.13192	0.00429	0.135289	0.0034	-0.13529	0.0034	0.332775
0.001698	0.97081	0.023966	0.60544	0.149932	0.00116	-0.02079	0.65409	0.191766
-0.05519	0.2339	-0.05502	0.2353	-0.1075	0.02015	-0.15659	0.00068	-0.10372
-0.02631	0.5706	-0.07476	0.10662	-0.0021	0.96385	-0.16739	0.00028	0.111276
-0.03701	0.42493	-0.10146	0.02836	0.138495	0.00271	-0.19085	3.30E-05	0.101393
-0.11929	0.00987	-0.17356	0.00016	-0.02628	0.57102	-0.16354	0.00039	-0.03902
0.062277	0.17911	-0.02982	0.52029	0.209095	5.19E-06	-0.14541	0.00163	0.10506
0.011132	0.81038	-0.08835	0.05641	0.132417	0.00415	-0.1475	0.00139	0.141433
-0.01136	0.80652	-0.08476	0.06724	0.162527	0.00042	-0.08735	0.05927	0.162632
-0.10861	0.01888	-0.12014	0.00936	0.013505	0.77099	-0.13168	0.00437	0.123629
-0.07472	0.10681	0.017062	0.71305	0.17812	0.00011	0.111402	0.01602	0.44437
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0.01706	0.7131	-0.10689	0.02086	0.135974	0.00324	-0.19022	3.51E-05	0.219701
-0.02895	0.53263	-0.07154	0.12265	-0.01127	0.80812	-0.10095	0.02916	0.207124
-0.0016	0.97247	-0.10866	0.01883	0.088296	0.05656	-0.20661	6.75E-06	0.193108
0.153461	0.00088	0.049521	0.28555	0.294528	8.45E-11	0.022995	0.62014	0.236057
0.009432	0.83892	-0.07553	0.10308	0.155541	0.00074	-0.05998	0.19572	0.346749
0.003775	0.93515	-0.01342	0.77233	0.132057	0.00425	-0.15062	0.0011	-0.07148

0.071025	0.12535	-0.03992	0.38936	0.263245	7.66E-09	-0.16149	0.00046	0.248534
0.068637	0.1386	0.063922	0.16787	-0.07432	0.10873	0.065762	0.15594	-0.09937
-0.04432	0.33925	-0.13367	0.00381	-0.0536	0.24764	-0.1818	7.77E-05	-0.02783
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-0.04163	0.36945	-0.11508	0.01283	0.038434	0.4073	-0.22072	1.46E-06	-0.04867
0.023594	0.61106	-0.06326	0.17234	0.09739	0.03538	-0.16674	0.0003	0.109253
-0.06603	0.15425	0.009117	0.84423	-0.15835	0.00059	0.085748	0.0641	-0.01619
0.00891	0.84772	-0.00326	0.94399	0.111514	0.01591	-0.06924	0.13514	0.002662
-0.08909	0.05436	0.092452	0.04584	-0.26837	3.81E-09	0.043629	0.34683	-0.21484
0.073805	0.1112	-0.02693	0.56156	0.187325	4.63E-05	-0.12058	0.0091	0.157469
-0.00758	0.8702	-0.13757	0.00289	0.052498	0.25753	-0.21441	2.93E-06	0.12051
0.055548	0.23088	0.016883	0.71593	0.19898	1.48E-05	0.019642	0.67203	0.212324
-0.04748	0.30587	-0.11596	0.01215	0.052491	0.2576	-0.13037	0.00478	0.021973
-0.15362	0.00087	-0.12335	0.00762	-0.06554	0.15731	-0.11618	0.01199	0.00791
0.081895	0.07706	-0.10024	0.03033	0.196158	1.96E-05	-0.14929	0.00121	0.124372
-0.00571	0.90201	-0.09026	0.05125	0.09694	0.03624	-0.14674	0.00147	0.139427
-0.03195	0.49097	-0.20451	8.39E-06	0.002147	0.96309	-0.21175	3.91E-06	0.076319
-0.01974	0.67053	-0.07875	0.08915	0.132345	0.00417	-0.12181	0.00841	0.107346
-0.02384	0.60738	-0.07514	0.10484	0.14499	0.00168	-0.16935	0.00024	0.004458
-0.00459	0.92117	-0.23205	3.96E-07	-0.00294	0.9495	-0.27945	7.96E-10	0.027689
-0.05656	0.22249	-0.12683	0.00606	0.155164	0.00077	-0.19337	2.58E-05	0.151807
0.039884	0.38982	-0.11889	0.01013	0.152441	0.00095	-0.12856	0.0054	0.213267
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-0.03434	0.45906	-0.00855	0.85386	0.027523	0.55298	-0.15233	0.00096	-0.10726
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0.021838	0.63784	-0.09995	0.03081	0.111388	0.01603	-0.18267	7.18E-05	0.065406
0.006389	0.89048	-0.06671	0.15006	0.167721	0.00027	-0.11756	0.01101	0.196423
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0.022508	0.62756	-0.12895	0.00526	0.046037	0.32084	-0.20803	5.81E-06	0.062395
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0.009875	0.83146	-0.11577	0.01229	0.156092	0.00071	-0.09403	0.04224	0.222715
0.004429	0.92395	0.203916	8.93E-06	0.002959	0.94914	0.237691	2.02E-07	-0.06018
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0.036684	0.429	-0.09699	0.03614	0.188817	4.02E-05	-0.21757	2.07E-06	0.112155
0.057613	0.21397	0.011653	0.80169	0.218995	1.77E-06	-0.07757	0.09405	0.050431
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0.007884	0.86507	-0.13292	0.00401	0.057819	0.21233	-0.18611	5.20E-05	0.181532
-0.08041	0.0826	-0.25136	3.67E-08	-0.06028	0.19347	-0.29805	4.91E-11	0.119135
-0.06256	0.17717	-0.06295	0.17445	0.136491	0.00312	-0.041	0.37669	0.12942
-0.05325	0.25077	-0.05131	0.26847	-0.00233	0.95992	-0.20354	9.28E-06	-0.07347
-0.07714	0.09589	-0.08707	0.06008	-0.26782	4.11E-09	-0.07363	0.11207	-0.08912
-0.0314	0.49847	-0.19391	2.45E-05	-0.0406	0.38137	-0.28866	2.06E-10	0.002808
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0.022388	0.6294	-0.11688	0.01148	0.14316	0.00193	-0.18108	8.31E-05	0.136412

0.011287	0.8078	0.049658	0.28421	0.093227	0.04405	-0.09812	0.03403	-0.03476
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0.030614	0.50928	-0.1226	0.00799	0.127115	0.00595	-0.23864	1.80E-07	0.167757
0.006483	0.88887	-0.12867	0.00536	-0.06851	0.13935	-0.19589	2.02E-05	0.046352
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-0.03325	0.47348	-0.14934	0.00121	-0.02459	0.59605	-0.24024	1.48E-07	-0.08334
0.047754	0.30311	-0.11013	0.01728	0.110609	0.01679	-0.11856	0.01034	0.245766
0.091535	0.04805	-0.0183	0.69333	0.129014	0.00523	-0.00776	0.8671	0.107826
0.04194	0.36584	-0.02067	0.6559	0.138611	0.00268	-0.03413	0.46187	0.179858
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0.012123	0.79387	-0.08825	0.05668	0.078715	0.0893	-0.13629	0.00317	-0.02058
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0.065676	0.15648	0.034761	0.45361	0.275371	1.43E-09	0.098292	0.03371	0.383837
0.086247	0.06256	0.074757	0.10665	0.208926	5.28E-06	0.060659	0.19069	0.242064
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-0.05032	0.27781	-0.17322	0.00017	0.044677	0.33537	-0.26172	9.41E-09	0.005613
0.03771	0.41621	0.020868	0.65285	0.256538	1.87E-08	-0.06633	0.15242	0.207795
0.042437	0.36018	-0.04058	0.38165	0.126276	0.00629	-0.04514	0.33035	0.249985
0.008617	0.85267	-0.00277	0.95232	0.120267	0.00928	-0.06604	0.15422	0.032339
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0.124688	0.00698	0.050632	0.27486	0.201392	1.16E-05	0.093952	0.04242	0.164637
0.004802	0.91757	-0.13919	0.00257	0.023665	0.60997	-0.13287	0.00402	0.008852
0.100565	0.02979	0.06636	0.1522	0.283002	4.75E-10	-0.11071	0.01669	0.129188
0.039969	0.38881	-0.08981	0.05244	0.0398	0.39082	-0.11471	0.01312	0.052523
0.005637	0.9033	0.149789	0.00117	-0.12325	0.00766	0.082708	0.07416	-0.14392
-0.13761	0.00288	-0.25737	1.68E-08	-0.04071	0.38008	-0.34093	3.56E-14	0.068662
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-0.11033	0.01707	-0.25356	2.76E-08	-0.09986	0.03097	-0.28873	2.03E-10	0.010772
0.031752	0.49367	-0.14087	0.00228	0.133968	0.00373	-0.20788	5.90E-06	0.219461
0.000746	0.98716	-0.13088	0.00461	0.176091	0.00013	-0.19712	1.78E-05	0.133434
0.044037	0.34234	-0.09722	0.03569	0.190827	3.31E-05	-0.22097	1.42E-06	0.158321
0.026355	0.56996	-0.07234	0.11851	0.11701	0.01139	-0.20092	1.21E-05	0.055075
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0.065509	0.15754	0.049658	0.28421	0.212086	3.77E-06	0.041576	0.37001	0.264557
0.140907	0.00227	0.287311	2.51E-10	0.380397	1.58E-17	0.185331	5.60E-05	0.266061
0.093401	0.04365	-0.01321	0.77589	0.24686	6.51E-08	0.038496	0.40654	0.217357
-0.06792	0.14277	-0.15393	0.00085	-0.03607	0.43683	-0.1141	0.01362	0.104
-0.06909	0.13603	-0.12942	0.00509	0.036757	0.42808	-0.12165	0.0085	0.106325
0.026726	0.56453	-0.10157	0.02818	0.027365	0.55526	-0.11618	0.01199	0.081788
-0.01124	0.80858	-0.08747	0.05893	0.099438	0.03168	-0.11395	0.01374	0.059814

0.015102	0.74481	-0.03828	0.40914	0.180786	8.54E-05	-0.12582	0.00648	0.142555
0.051719	0.26468	0.012655	0.78503	0.136524	0.00311	-0.02884	0.53418	0.050966
-0.05398	0.24429	-0.11795	0.01074	0.117271	0.01121	-0.16421	0.00037	0.169984
0.101657	0.02805	0.076937	0.09679	0.140524	0.00234	-0.05178	0.26414	-0.08373
0.027415	0.55455	-0.18783	4.42E-05	0.055499	0.23129	-0.27759	1.04E-09	0.114534
0.03213	0.48853	-0.1354	0.00337	0.159037	0.00056	-0.19997	1.34E-05	0.180685
0.057287	0.21658	-0.03229	0.4863	0.195505	2.09E-05	-0.01952	0.67387	0.13867
-0.04906	0.29007	-0.0357	0.44154	0.1001	0.03055	-0.10508	0.02314	0.054249
0.033487	0.47035	-0.10632	0.02157	0.211784	3.90E-06	-0.20951	4.97E-06	0.152033
-0.00547	0.90623	-0.07629	0.09962	0.126548	0.00617	-0.17034	0.00022	0.191271
0.025201	0.58697	-0.11196	0.01549	0.071905	0.12073	-0.1601	0.00051	0.168854
0.060502	0.19184	-0.06603	0.15424	0.157876	0.00062	-0.1717	0.00019	0.192065
0.054308	0.24146	-0.01649	0.72231	0.219224	1.73E-06	-0.0908	0.04988	0.231784
0.014541	0.75398	-0.11535	0.01262	0.139861	0.00245	-0.2163	2.39E-06	0.086893
0.010458	0.82166	-0.29072	1.51E-10	-0.09861	0.03314	-0.3514	5.11E-15	-0.0842
0.04686	0.31226	-0.07472	0.10683	0.178756	0.0001	-0.11357	0.01407	0.206598
0.014315	0.75767	-0.07344	0.11299	0.117054	0.01136	-0.05399	0.24423	0.184391
0.054759	0.23757	0.010609	0.81915	0.249712	4.53E-08	-0.07516	0.10478	0.181125
0.009867	0.83159	-0.15698	0.00066	0.036354	0.43317	-0.21308	3.39E-06	0.19605
-0.07321	0.11411	-0.12211	0.00825	0.071475	0.12297	-0.10514	0.02307	0.137495
0.043171	0.35192	0.02115	0.64848	0.180617	8.67E-05	-0.02512	0.5881	0.094265
0.007787	0.86672	-0.12229	0.00816	0.117872	0.01079	-0.14406	0.0018	0.086098
-0.06667	0.15029	-0.20872	5.40E-06	-0.13136	0.00446	-0.28082	6.53E-10	-0.11456
0.039614	0.39304	-0.10333	0.02555	0.168921	0.00025	-0.25449	2.45E-08	0.130799
0.029746	0.52137	-0.04017	0.38646	0.172629	0.00018	-0.07635	0.09938	0.272893
0.041961	0.36559	0.049247	0.28822	0.314135	3.73E-12	-0.00651	0.88838	0.187298
0.017672	0.70328	-0.14416	0.00179	0.07251	0.11763	-0.20448	8.42E-06	0.189083
0.061592	0.18395	-0.12329	0.00764	0.13595	0.00324	-0.2178	2.02E-06	0.147374
0.002143	0.96316	-0.11528	0.01267	0.127094	0.00595	-0.07409	0.10981	0.312161
-0.00408	0.92999	-0.10973	0.01769	-0.02795	0.54679	-0.18744	4.58E-05	-0.06607
0.039423	0.39533	0.091476	0.04819	0.244108	9.19E-08	0.090556	0.0505	0.191694
0.084694	0.06745	0.090764	0.04997	0.199807	1.36E-05	0.089999	0.05194	0.046957
-0.00125	0.97859	-0.03584	0.43977	0.112962	0.01459	-0.04553	0.32615	0.065242
-0.03819	0.41035	-0.12649	0.0062	0.130426	0.00476	-0.09996	0.0308	0.282682
0.026123	0.57336	-0.05769	0.21338	0.157174	0.00065	-0.15705	0.00066	0.042681
-0.03335	0.47215	-0.05768	0.21347	0.040275	0.3852	-0.0936	0.04319	0.009493
-0.01866	0.68757	-0.17222	0.00018	0.085477	0.06495	-0.20334	9.48E-06	0.294055
0.033878	0.46517	-0.14454	0.00174	0.135674	0.00331	-0.2071	6.40E-06	0.14646
-0.11911	0.00998	-0.24756	5.96E-08	-0.03407	0.4626	-0.21467	2.85E-06	0.196037
-0.01374	0.76711	-0.12609	0.00636	0.042888	0.35509	-0.15078	0.00108	0.033394
0.026223	0.57189	0.049955	0.28134	0.096127	0.03784	0.011186	0.80949	0.04548
0.041723	0.36832	0.007841	0.86581	0.217437	2.10E-06	-0.08219	0.07602	0.112771
0.043128	0.35241	0.024443	0.59827	0.146233	0.00153	0.070871	0.12617	0.053097
-0.03103	0.50348	0.172428	0.00018	-0.10596	0.02202	0.196367	1.92E-05	0.007942
0.0007	0.98797	-0.1191	0.00999	0.205487	7.58E-06	-0.19331	2.60E-05	0.203512

0.026661	0.56548	-0.01317	0.7765	0.193986	2.43E-05	-0.00274	0.95284	0.138787
0.003275	0.94373	-0.11949	0.00975	0.049568	0.28509	-0.15918	0.00055	0.082522
0.035631	0.44238	-0.01601	0.72998	0.154857	0.00079	-0.04032	0.38467	0.17414
-0.03995	0.38898	-0.15813	0.0006	0.050132	0.27964	-0.2415	1.27E-07	0.045881
0.067068	0.14787	0.245995	7.26E-08	0.099511	0.03155	0.239998	1.53E-07	-0.04636
-0.0698	0.13202	-0.06329	0.17211	0.038956	0.40096	-0.04985	0.28233	0.093646
0.003204	0.94495	-0.16596	0.00032	0.075824	0.10173	-0.21745	2.10E-06	0.131356
-0.09599	0.03813	-0.12664	0.00614	0.060358	0.19291	-0.17577	0.00013	0.136133
-0.05788	0.21189	-0.11273	0.01479	-0.00366	0.93709	-0.23628	2.40E-07	0.010835
-0.07756	0.09411	-0.10593	0.02206	0.123698	0.00744	-0.13416	0.00368	0.213506
-0.08678	0.06094	-0.11062	0.01678	0.010331	0.82379	-0.19201	2.95E-05	0.119547
0.002702	0.95356	-0.14061	0.00232	0.160266	0.00051	-0.20048	1.27E-05	0.140445
-0.02895	0.53257	-0.13407	0.0037	0.140448	0.00235	-0.19461	2.29E-05	0.167662
-0.06423	0.16581	-0.18197	7.65E-05	0.063293	0.1721	-0.19887	1.49E-05	0.240161
0.01891	0.68358	-0.16319	0.0004	0.10938	0.01806	-0.22039	1.52E-06	0.114224
-0.0101	0.8277	-0.07196	0.12042	0.038492	0.4066	-0.15257	0.00094	0.171195
0.006681	0.8855	-0.19153	3.09E-05	0.092167	0.04652	-0.23615	2.43E-07	0.106171
-0.01699	0.71422	-0.06691	0.14882	0.145671	0.0016	-0.17251	0.00018	0.080756
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-0.08804	0.05727	-0.07395	0.11049	0.0305	0.51087	-0.05702	0.21871	0.106116
0.06125	0.1864	-0.04107	0.37582	0.213529	3.23E-06	-0.16456	0.00036	0.135787
0.049846	0.28239	-0.06518	0.15964	0.070658	0.12732	-0.12254	0.00802	-0.03482
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0.031382	0.49871	-0.12045	0.00918	0.075855	0.10159	-0.13566	0.00331	0.176255
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0.025669	0.58005	-0.02653	0.5674	0.113478	0.01414	-0.09813	0.03401	0.06237
-0.02706	0.55974	0.09158	0.04794	-0.12159	0.00853	0.108307	0.01922	-0.10147
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-0.03615	0.43572	0.012255	0.79168	0.06887	0.13726	0.01786	0.70028	0.135303
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0.041689	0.36872	-0.12019	0.00933	0.167077	0.00029	-0.07545	0.10343	0.220048
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0.014935	0.74753	-0.14631	0.00152	0.096887	0.03634	-0.22401	1.01E-06	0.14286
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0.049316	0.28754	-0.0899	0.0522	0.116915	0.01146	-0.17508	0.00014	0.073786
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0.055025	0.2353	-0.0597	0.19782	0.185387	5.57E-05	-0.16565	0.00032	0.137092
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0.027932	0.5471	-0.15125	0.00104	0.145192	0.00166	-0.19682	1.84E-05	0.152636
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0.028341	0.54124	-0.05534	0.23266	0.264521	6.45E-09	-0.07671	0.09776	0.144415
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-0.00806	0.86202	-0.02781	0.54879	0.156733	0.00068	-0.13117	0.00452	0.037952
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0.026834	0.56297	-0.0951	0.03994	0.133075	0.00397	-0.20272	1.01E-05	0.161972
0.098787	0.03282	-0.01275	0.78348	0.111033	0.01638	-0.07309	0.11473	0.099904
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0.015854	0.73257	-0.05037	0.27737	0.112347	0.01514	-0.09483	0.04052	0.203768
0.005985	0.89736	-0.13803	0.0028	0.130668	0.00468	-0.2085	5.53E-06	0.206629
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0.039853	0.3902	-0.1285	0.00542	0.117385	0.01113	-0.16765	0.00027	0.092333
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0.04925	0.28819	-0.09786	0.0345	0.152613	0.00094	-0.18308	6.90E-05	0.189713
0.042491	0.35957	0.185168	5.68E-05	0.021651	0.64073	0.100049	0.03064	-0.16245
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0.022881	0.62187	-0.15601	0.00072	-0.03198	0.4905	-0.26204	9.01E-09	-0.06938
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0.009439	0.8388	0.139966	0.00243	-0.07189	0.12081	0.141401	0.00219	-0.02367
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0.003301	0.94328	-0.036	0.43769	0.052593	0.25667	-0.18954	3.75E-05	0.120968
0.049322	0.28749	-0.02008	0.66507	0.192987	2.68E-05	-0.12028	0.00927	0.186979
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0.051011	0.27128	-0.01132	0.80717	0.148794	0.00126	-0.07957	0.08586	0.28494
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0.001453	0.97502	-0.17052	0.00021	0.051513	0.26658	-0.25678	1.82E-08	0.131335
-0.02069	0.65561	0.068643	0.13856	-0.1516	0.00101	0.069166	0.13557	-0.11304
0.006792	0.88362	-0.16441	0.00036	0.011396	0.80598	-0.06854	0.13913	0.064385
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0.007043	0.87935	-0.12445	0.00709	0.170797	0.00021	-0.13611	0.00321	0.260897
0.060459	0.19216	-0.02955	0.52416	0.19868	1.52E-05	0.04777	0.30294	0.124047
0.026179	0.57254	-0.00372	0.93608	0.176122	0.00013	-0.09444	0.04135	0.105989
-0.03209	0.48912	-0.08838	0.05632	0.091184	0.04892	-0.20109	1.19E-05	0.152741
0.034151	0.46158	-0.06784	0.14324	0.087837	0.05786	-0.18675	4.89E-05	0.038359
0.009863	0.83167	-0.10196	0.02758	0.135147	0.00343	-0.09054	0.05053	0.301732
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0.026609	0.56625	-0.15807	0.00061	0.156285	0.0007	-0.24657	6.75E-08	0.158217
0.030968	0.5044	-0.03735	0.42066	0.182561	7.25E-05	-0.02963	0.52299	0.104405
0.055337	0.23266	0.084812	0.06707	0.291519	1.34E-10	-0.00575	0.90133	0.235087
0.032355	0.48549	0.279495	7.91E-10	0.303906	1.96E-11	0.17303	0.00017	0.260328
0.011779	0.79959	-0.05687	0.21992	0.127481	0.0058	-0.04278	0.35627	0.281425
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0.015619	0.73638	0.10805	0.01951	-0.07667	0.09794	0.075613	0.10269	-0.03716
0.047402	0.30669	-0.10952	0.0179	0.205601	7.50E-06	-0.13447	0.0036	0.264306
0.067573	0.14484	0.085032	0.06636	0.347514	1.06E-14	0.052959	0.25337	0.333598
0.060083	0.19494	0.229426	5.40E-07	0.05802	0.21075	0.278801	8.75E-10	-0.04632
0.000815	0.98599	0.057311	0.21639	0.119421	0.00979	-0.03365	0.46824	0.087406
0.056268	0.22488	0.048235	0.29826	0.252105	3.33E-08	-0.03137	0.49888	0.138991
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-0.07744	0.09464	-0.13268	0.00408	0.084616	0.06771	-0.23002	5.03E-07	0.118802
-0.03298	0.47709	-0.0215	0.64301	0.01975	0.67033	-0.05984	0.19679	0.000557
-0.0887	0.05542	-0.18741	4.60E-05	0.014653	0.75214	-0.2067	6.68E-06	0.081669
-0.00262	0.95501	-0.09871	0.03295	0.045226	0.32945	-0.17081	0.00021	-0.01918
0.018948	0.68297	-0.07106	0.12519	0.206879	6.56E-06	-0.15612	0.00071	0.183372
0.016458	0.72279	-0.10572	0.02231	0.051755	0.26435	-0.12495	0.00686	0.157279
-0.0225	0.62775	-0.06925	0.13513	-0.00454	0.92198	-0.05064	0.27476	0.131218
0.017675	0.70323	-0.12373	0.00743	0.05353	0.24829	-0.11927	0.00989	0.210616
0.071388	0.12343	-0.06154	0.18432	0.138473	0.00271	-0.13087	0.00462	0.157008
-0.05191	0.26289	-0.15547	0.00075	0.069017	0.13642	-0.17144	0.0002	0.024534
-0.06731	0.1464	-0.0941	0.0421	0.054068	0.24356	-0.05259	0.25667	0.114699
-0.02067	0.65601	-0.05488	0.23653	0.083096	0.07281	-0.04159	0.36983	0.096686
0.217306	2.14E-06	0.232279	3.86E-07	0.542021	5.12E-37	0.279038	8.45E-10	0.306665
0.064286	0.16546	-0.00925	0.84193	0.124055	0.00727	-0.05661	0.22203	0.08746
-0.07686	0.0971	0.039756	0.39135	-0.14106	0.00225	0.048791	0.29272	-0.10417
-0.04509	0.3309	0.212895	3.46E-06	0.027044	0.55991	0.223189	1.11E-06	-0.00734

-0.00486	0.91661	-0.02745	0.55406	0.025973	0.57557	-0.11826	0.01053	-0.06903
0.085912	0.06359	-0.02711	0.559	0.217061	2.19E-06	-0.01895	0.68301	0.223631
0.041625	0.36945	-0.05808	0.21026	0.091051	0.04925	-0.09195	0.04704	0.104851
0.001333	0.97708	-0.21106	4.21E-06	0.006279	0.89235	-0.24488	8.34E-08	0.02161
0.018995	0.68223	-0.02579	0.57825	0.105489	0.02261	-0.11403	0.01367	0.189659
0.009629	0.83559	-0.14558	0.00161	0.008686	0.8515	-0.30044	3.38E-11	0.03035
0.013774	0.76657	-0.15278	0.00093	-0.01958	0.67306	-0.20902	5.23E-06	0.014641
-0.03998	0.38871	-0.14062	0.00232	0.147462	0.0014	-0.1139	0.01378	0.249024
0.111437	0.01599	-0.01504	0.74585	0.177862	0.00011	-0.04985	0.28233	0.24212
0.10278	0.02635	0.029755	0.52124	0.318361	1.85E-12	-0.03929	0.39687	0.306571
-0.01715	0.71168	0.022396	0.62927	0.089227	0.05399	-0.12896	0.00525	0.007508
0.069164	0.13559	-0.00572	0.90195	0.23822	1.89E-07	-0.07745	0.09459	0.219346
-0.01397	0.76341	-0.15887	0.00057	0.133811	0.00377	-0.21079	4.33E-06	0.138072
-0.14886	0.00125	-0.20867	5.43E-06	-0.13901	0.00261	-0.21272	3.52E-06	-0.02849
-0.0308	0.50666	-0.10474	0.0236	0.073715	0.11164	-0.15733	0.00064	0.20992
-0.05426	0.24192	-0.18657	4.98E-05	-0.03788	0.41414	-0.18961	3.72E-05	-0.00167
-0.02372	0.60913	-0.1312	0.00451	0.068048	0.14203	-0.24212	1.18E-07	0.103304
-0.0093	0.84112	-0.03816	0.4106	-0.0007	0.98801	0.005266	0.90964	0.220528
-0.04252	0.35928	-0.11332	0.01428	-0.0581	0.21013	-0.17008	0.00022	-0.13493
0.035602	0.44275	-0.10437	0.0241	0.115462	0.01253	-0.1362	0.00319	0.112903
0.004762	0.91826	-0.05838	0.2079	0.071385	0.12344	-0.04416	0.34093	0.151331
0.020844	0.65323	-0.1206	0.00909	0.04817	0.29891	-0.14529	0.00164	0.25886
-0.01433	0.75747	-0.1543	0.00082	0.100116	0.03053	-0.21204	3.79E-06	0.0838
-0.02228	0.63107	-0.27313	1.96E-09	-0.02742	0.55451	-0.21839	1.89E-06	0.23512
-0.03455	0.45642	-0.11844	0.01042	0.005352	0.90817	-0.21253	3.59E-06	0.06253
-0.01887	0.68417	0.010723	0.81722	0.134518	0.00359	-0.0151	0.74481	0.341474
-0.02962	0.52321	-0.06647	0.1515	0.043307	0.35041	-0.1617	0.00045	0.000122
-0.0136	0.76945	-0.11312	0.01445	0.122572	0.00801	-0.16887	0.00025	0.288344
-0.03498	0.45081	-0.01656	0.72119	0.045206	0.32967	-0.08065	0.08169	-0.00466
-0.02027	0.66211	-0.10707	0.02065	0.019111	0.6804	-0.19566	2.06E-05	0.022251
-0.03786	0.41429	-0.10449	0.02393	0.118721	0.01023	-0.21477	2.82E-06	0.067491
0.121542	0.00856	0.012032	0.79539	0.195732	2.05E-05	-0.08206	0.07648	0.19562
0.040057	0.38777	-0.07739	0.09483	0.20965	4.89E-06	-0.17532	0.00014	0.070725
0.063791	0.16874	-0.02317	0.61753	0.174975	0.00014	-0.04432	0.33925	0.186213
-0.05425	0.24196	-0.06874	0.13801	0.072861	0.11586	-0.08653	0.0617	0.18841
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-0.00206	0.96455	-0.18769	4.48E-05	0.079277	0.08703	-0.21011	4.66E-06	0.115306
-0.05362	0.24753	-0.01831	0.69304	-0.20439	8.51E-06	-0.0829	0.07349	-0.19347
0.011801	0.79922	-0.07915	0.08752	0.216162	2.42E-06	-0.12116	0.00877	0.209415
0.028391	0.54053	-0.11929	0.00987	0.161894	0.00044	-0.21469	2.85E-06	0.159415
0.007972	0.86358	-0.12911	0.0052	0.146998	0.00145	-0.11596	0.01215	0.29664
0.040982	0.3769	-0.17296	0.00017	0.051252	0.26902	-0.2303	4.87E-07	0.155961
-0.0364	0.43253	0.133549	0.00384	-0.08544	0.06508	0.095636	0.03884	-0.14507
-0.04431	0.33933	-0.06646	0.15156	0.061325	0.18586	-0.17082	0.00021	0.051475
-0.00886	0.84862	-0.12047	0.00916	0.170983	0.00021	-0.20375	9.09E-06	0.15456

0.053382	0.2496	0.049604	0.28474	0.356015	2.12E-15	0.034479	0.45729	0.288448
0.009461	0.83842	-0.07423	0.10913	0.092081	0.04673	-0.1087	0.01879	0.119874
-0.07057	0.1278	-0.21203	3.80E-06	-0.03019	0.51512	-0.26041	1.12E-08	0.13771
0.064952	0.16111	0.012341	0.79026	0.329313	2.83E-13	0.012532	0.78708	0.347112
-0.13107	0.00455	-0.17735	0.00012	-0.09632	0.03745	-0.14275	0.00198	0.244939
-0.03573	0.44113	-0.04926	0.28806	0.164788	0.00035	-0.11904	0.01003	0.116668
-0.00643	0.88971	-0.05199	0.2622	0.078843	0.08878	-0.05685	0.22008	0.075601
0.035287	0.44681	0.049878	0.28208	0.225077	8.92E-07	-0.1088	0.01868	0.088572
0.007812	0.86629	-0.07989	0.08459	0.184558	6.02E-05	-0.22164	1.32E-06	0.193039
-0.15666	0.00068	-0.13197	0.00428	-0.01515	0.74401	-0.2439	9.43E-08	-0.11172
0.070623	0.12751	-0.05438	0.24085	0.188344	4.20E-05	-0.04688	0.312	0.24577
0.008807	0.84945	-0.0109	0.81432	0.163299	0.0004	-0.03216	0.48818	0.164708
-0.06034	0.19307	-0.17057	0.00021	0.041082	0.37573	-0.22312	1.11E-06	0.019829
0.112329	0.01516	0.327936	3.60E-13	0.185083	5.73E-05	0.436615	3.70E-23	-0.02587
0.003706	0.93634	0.06547	0.15779	0.153021	0.00091	0.016781	0.71758	0.161951
0.032611	0.48204	-0.15908	0.00056	0.053353	0.24985	-0.22706	7.10E-07	0.034306
-0.01349	0.77117	-0.08644	0.06197	0.046021	0.32101	-0.15378	0.00086	0.186871
0.005002	0.91415	-0.11573	0.01232	0.035619	0.44254	-0.19065	3.37E-05	0.077492
0.007885	0.86506	-0.10983	0.01759	0.035024	0.45021	-0.13245	0.00414	0.077991
0.069243	0.13514	-0.10357	0.0252	0.167264	0.00028	-0.1566	0.00068	0.160501
-0.04924	0.28831	-0.05097	0.27169	0.047783	0.30282	-0.06858	0.1389	-0.06521
0.063018	0.17398	-0.13166	0.00437	0.088226	0.05676	-0.17945	9.65E-05	0.109367
0.036034	0.43724	-0.0852	0.06582	0.165578	0.00033	-0.12889	0.00528	0.170869
-0.02051	0.65836	-0.11	0.01741	0.091518	0.04809	-0.09469	0.04083	0.295198
-0.01015	0.82676	-0.09118	0.04892	0.180596	8.69E-05	-0.12628	0.00628	0.185078
0.008312	0.85782	0.076163	0.1002	-0.07451	0.10782	-0.05396	0.24449	-0.0793
0.0104	0.82264	0.141218	0.00222	-0.078	0.09226	0.03798	0.41287	-0.10613
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0.052431	0.25814	-0.06739	0.14595	0.206675	6.70E-06	-0.04969	0.28392	0.355985
0.037988	0.41277	-0.00763	0.86933	0.199271	1.44E-05	-0.05901	0.20302	0.214014
0.005565	0.90453	-0.05532	0.2328	0.138352	0.00273	-0.17963	9.49E-05	0.135243
0.00326	0.94398	-0.09339	0.04367	0.070055	0.13061	-0.20162	1.13E-05	0.090605
-0.03392	0.46456	-0.13285	0.00403	0.12536	0.00668	-0.23339	3.39E-07	0.069467
0.020514	0.65837	-0.16805	0.00026	0.031583	0.49596	-0.23524	2.71E-07	-0.04207
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0.043352	0.34991	0.092048	0.04681	0.209983	4.72E-06	-0.01355	0.77029	0.124887
-0.04619	0.31929	-0.13634	0.00316	0.14209	0.00208	-0.19105	3.24E-05	0.209986
0.086238	0.06259	-0.06501	0.16074	0.207574	6.10E-06	-0.19164	3.06E-05	0.083964
0.076161	0.10021	-0.01972	0.67085	0.256639	1.85E-08	-0.12069	0.00904	0.176669
0.032897	0.4782	-0.10298	0.02606	0.118453	0.01041	-0.1178	0.01084	0.231181
-0.03227	0.48663	0.028212	0.54309	0.049289	0.28781	-0.13069	0.00467	-0.09038
-0.10236	0.02698	-0.22482	9.18E-07	-0.0943	0.04166	-0.22568	8.32E-07	0.156163
-0.03713	0.42336	-0.05619	0.22554	0.095707	0.03869	-0.0956	0.03892	0.068974
0.001188	0.97957	-0.02822	0.54299	0.191232	3.18E-05	-0.10409	0.02448	0.137948
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0.003065	0.94734	-0.173	0.00017	0.059904	0.19628	-0.26619	5.14E-09	0.129408
0.018236	0.69428	0.13954	0.00251	-0.0196	0.67266	0.199719	1.37E-05	-0.13717
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-0.0483	0.29757	-0.2025	1.03E-05	0.037981	0.41286	-0.23404	3.13E-07	0.067
-0.03039	0.51243	-0.11923	0.00991	0.090779	0.04993	-0.15027	0.00113	0.103306
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-0.00273	0.95306	-0.12493	0.00687	0.104476	0.02395	-0.14927	0.00121	0.138723
-0.08585	0.06377	-0.23696	2.21E-07	-0.07091	0.12595	-0.22756	6.70E-07	0.002828
0.064193	0.16607	-0.16054	0.0005	0.166729	0.0003	-0.25382	2.67E-08	0.154033
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0.042971	0.35416	-0.0137	0.76783	0.175519	0.00014	-0.15724	0.00065	0.013518
0.013482	0.77137	-0.12612	0.00635	0.121236	0.00873	-0.18744	4.58E-05	0.182461
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0.045341	0.32822	-0.1719	0.00019	0.143851	0.00183	-0.26544	5.69E-09	0.042939
-0.01471	0.75121	-0.0953	0.03953	0.039753	0.39139	-0.22645	7.62E-07	0.013681
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-0.02291	0.62139	-0.06571	0.15625	0.125291	0.00671	-0.02511	0.58833	0.255361
0.019546	0.67354	-0.04731	0.30761	0.240625	1.41E-07	-0.02841	0.5402	0.392541
-0.04188	0.36648	-0.09257	0.04557	0.025745	0.57892	-0.20459	8.32E-06	0.081636
0.083514	0.07138	-0.03239	0.48504	0.178512	0.00011	-0.13938	0.00254	0.074073
-0.04379	0.34504	-0.06616	0.15345	0.06226	0.17922	-0.12047	0.00916	0.107511
0.002145	0.96312	-0.08815	0.05697	0.121655	0.0085	-0.21029	4.57E-06	0.118327
0.058645	0.20587	-0.10013	0.03051	0.091806	0.04739	-0.13813	0.00278	0.10203
0.016938	0.71506	-0.09516	0.03982	0.138604	0.00268	-0.23022	4.92E-07	0.063963
0.054189	0.2425	-0.07448	0.10796	0.033074	0.47583	-0.10612	0.02182	0.022636
-0.01773	0.70238	-0.07446	0.10807	0.05121	0.26941	-0.09883	0.03274	0.10863
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-0.05953	0.19907	-0.2638	7.11E-09	-0.07112	0.12482	-0.20606	7.14E-06	0.058127
0.028619	0.53728	-0.06493	0.16127	0.229573	5.30E-07	-0.11185	0.0156	0.088966
0.067807	0.14345	-0.00296	0.94907	0.181292	8.15E-05	-0.07512	0.10493	0.085489
-0.15817	0.0006	-0.19263	2.78E-05	-0.02915	0.52974	-0.26397	6.95E-09	0.141172
-0.05123	0.26921	-0.08625	0.06257	0.014317	0.75764	-0.19545	2.10E-05	-0.0558
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0.023029	0.61962	-0.17813	0.00011	0.05865	0.20582	-0.27518	1.47E-09	0.070898
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0.008158	0.86044	-0.23157	4.19E-07	0.082725	0.0741	-0.22308	1.12E-06	0.188123
-0.00344	0.94085	-0.18079	8.54E-05	0.097767	0.03467	-0.10863	0.01886	0.152523
0.063271	0.17225	-0.04294	0.35447	0.171159	0.0002	-0.141	0.00226	0.113772
0.015286	0.7418	-0.00824	0.85911	0.157933	0.00061	-0.1113	0.01612	0.13009
0.017068	0.71296	-0.04609	0.32026	0.15398	0.00084	-0.13106	0.00456	0.103785
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0.019728	0.67068	-0.10963	0.01779	0.189062	3.92E-05	-0.16989	0.00023	0.19795
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0.045797	0.32337	-0.02455	0.59667	0.105817	0.02219	-0.08963	0.05292	0.153223
0.105177	0.02302	0.031143	0.50199	0.314391	3.58E-12	0.036313	0.4337	0.247414
0.088217	0.05678	0.085002	0.06646	0.302628	2.40E-11	0.070073	0.13051	0.282997
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-0.0659	0.15507	-0.09598	0.03814	0.11701	0.01139	-0.12831	0.00549	0.279212
-0.00938	0.83971	-0.17307	0.00017	0.071393	0.1234	-0.2479	5.71E-08	0.066218
-0.03723	0.42212	-0.20544	7.62E-06	-0.02635	0.56999	-0.2324	3.80E-07	0.075976
-0.04097	0.37706	-0.09779	0.03464	0.100546	0.02982	-0.14566	0.0016	0.103384
-0.07383	0.1111	-0.05159	0.26589	0.084663	0.06755	-0.08033	0.08289	0.120225
-0.06697	0.14844	-0.02764	0.55127	0.115286	0.01267	-0.10835	0.01918	0.038408
0.052836	0.25448	-0.01038	0.82294	0.22883	5.78E-07	-0.04786	0.30208	0.183633
-0.05444	0.24032	-0.10108	0.02896	-0.02162	0.64124	-0.18569	5.41E-05	-0.00401
-0.09249	0.04575	-0.16372	0.00038	-0.06137	0.18554	-0.25781	1.58E-08	0.066884
-0.08306	0.07294	0.016281	0.72565	-0.14008	0.00241	0.101722	0.02795	0.06967
0.013528	0.77061	0.231623	4.17E-07	0.026267	0.57125	0.280886	6.47E-10	-0.12691
0.018155	0.69557	-0.06823	0.14097	0.1378	0.00284	-0.0668	0.14952	0.46423
0.01203	0.79542	-0.05564	0.23009	0.09639	0.03732	-0.21635	2.37E-06	0.084283
-0.05571	0.22952	-0.05436	0.24099	0.023967	0.60543	-0.07322	0.11406	0.096669
-0.03839	0.40783	-0.09856	0.03322	-0.0232	0.61709	-0.15344	0.00088	-0.00621
0.025999	0.57519	-0.11044	0.01696	0.069902	0.13146	-0.13399	0.00372	0.188208
0.054015	0.24402	0.010221	0.82564	0.082367	0.07537	-0.06857	0.13897	0.076174
0.001223	0.97897	-0.09137	0.04846	0.06782	0.14337	-0.10166	0.02804	0.057965
0.005959	0.89781	-0.10428	0.02422	0.172858	0.00017	-0.14971	0.00118	0.209871
-0.08634	0.06227	-0.0234	0.61405	0.026136	0.57317	-0.01301	0.77921	0.133807
-0.0275	0.55335	-0.09599	0.03812	0.053604	0.24763	-0.14128	0.00221	0.067428
0.004417	0.92416	-0.13501	0.00346	0.093501	0.04343	-0.18329	6.77E-05	0.188771
-0.02952	0.52459	-0.0639	0.16799	0.14087	0.00228	-0.10044	0.02999	0.121011
-0.02715	0.55841	-0.15207	0.00098	0.094085	0.04213	-0.23361	3.29E-07	0.216585
-0.02108	0.64962	-0.10301	0.02602	0.144965	0.00168	-0.228	6.37E-07	0.19418
0.050619	0.27499	0.013292	0.7745	0.206674	6.70E-06	-0.10004	0.03066	0.203326
-0.04752	0.30551	-0.18255	7.26E-05	0.146394	0.00151	-0.14533	0.00164	0.23788
-0.02014	0.66422	-0.10201	0.0275	0.123727	0.00743	-0.17067	0.00021	0.136053
0.039639	0.39275	0.030277	0.51396	0.13625	0.00318	-0.08594	0.06352	0.009223
0.003351	0.94243	-0.01715	0.71169	0.190868	3.30E-05	-0.14099	0.00226	0.052143
-0.02918	0.52928	-0.12458	0.00703	0.144464	0.00175	-0.2142	3.00E-06	0.177568
0.017253	0.71	-0.13966	0.00249	0.104151	0.0244	-0.21732	2.13E-06	0.192803
0.091991	0.04694	-0.00887	0.84832	0.27549	1.40E-09	-0.10659	0.02123	0.178796
0.034909	0.45169	-0.08872	0.05537	0.111181	0.01623	-0.063	0.17413	0.121967
-0.00123	0.97893	-0.0674	0.14587	0.101476	0.02833	-0.12675	0.00609	0.052309
0.042944	0.35446	-0.10548	0.02263	0.126761	0.00609	-0.13588	0.00326	0.066544
-0.00018	0.99697	-0.13376	0.00378	0.103242	0.02568	-0.20534	7.71E-06	0.126658
-0.03703	0.42461	-0.1753	0.00014	-0.0345	0.45708	-0.17747	0.00012	0.227265
-0.02212	0.6335	-0.1	0.03072	0.144228	0.00178	-0.06354	0.17043	0.205091

-0.09118	0.04893	-0.19162	3.06E-05	0.007555	0.87066	-0.19618	1.96E-05	0.237015
-0.00192	0.96698	-0.15854	0.00058	0.150773	0.00108	-0.19072	3.34E-05	0.254053
-0.04215	0.36348	-0.06383	0.16848	-0.00385	0.93385	-0.21389	3.10E-06	0.050745
-0.06596	0.15472	-0.13362	0.00382	-0.03442	0.45805	-0.18844	4.17E-05	-0.00122
0.008659	0.85195	-0.03953	0.39403	0.144373	0.00176	-0.07052	0.12808	0.158849
-0.04091	0.37778	-0.01218	0.793	0.200067	1.32E-05	0.027696	0.55049	0.361411
-0.09326	0.04396	-0.10553	0.02256	0.073688	0.11177	-0.13729	0.00295	0.183553
-0.00463	0.92046	-0.03065	0.50881	0.150145	0.00114	-0.10877	0.01872	0.30154
0.004938	0.91524	-0.15878	0.00057	0.117868	0.0108	-0.1354	0.00337	0.228321
0.057539	0.21456	0.219689	1.64E-06	-0.00884	0.84887	0.158708	0.00058	-0.07636
-0.09412	0.04204	-0.04172	0.36841	0.03756	0.41806	-0.10102	0.02904	0.034016
-0.01525	0.74241	-0.15713	0.00065	-0.05135	0.26813	-0.11187	0.01558	0.021208
0.047656	0.3041	0.027147	0.55842	0.260108	1.17E-08	-0.07553	0.10307	0.112002
0.020495	0.65866	-0.2006	1.25E-05	0.009854	0.83182	-0.24575	7.49E-08	0.07063
0.029049	0.53119	0.036255	0.43443	0.231001	4.49E-07	-0.04247	0.35983	0.22043
-0.03024	0.51449	-0.12091	0.00891	0.078871	0.08866	-0.13091	0.0046	0.192677
0.083586	0.07113	0.003521	0.93951	0.256367	1.92E-08	-0.06829	0.14063	0.11408
0.067423	0.14573	0.116962	0.01142	0.30847	9.42E-12	0.167294	0.00028	0.321064
-0.00542	0.90698	-0.11669	0.01162	0.130974	0.00458	-0.18619	5.16E-05	0.202
0.022587	0.62635	-0.08746	0.05893	0.208544	5.50E-06	-0.21131	4.10E-06	0.166229
-0.06081	0.18958	-0.13724	0.00296	-0.01667	0.7194	-0.10282	0.02629	0.07456
-0.08788	0.05775	-0.16386	0.00038	-0.08722	0.05965	-0.27392	1.75E-09	0.004606
0.048395	0.29666	0.411402	1.68E-20	0.201574	1.14E-05	0.507255	6.66E-32	0.136109
0.047657	0.30409	0.010571	0.81978	0.115139	0.01278	-0.05817	0.20954	0.134226
0.057576	0.21426	-0.07644	0.09897	0.186307	5.10E-05	-0.04698	0.31105	0.171335
0.011496	0.80432	-0.10788	0.01971	0.152197	0.00097	-0.14687	0.00146	0.253831
0.061713	0.18308	0.027801	0.54899	0.270251	2.93E-09	-0.04218	0.36308	0.281076
0.029146	0.52982	-0.03896	0.40086	0.237777	2.00E-07	-0.16978	0.00023	0.11782
-0.02319	0.61723	-0.05162	0.26558	0.190108	3.55E-05	-0.09358	0.04326	0.214766
0.091202	0.04887	-0.01079	0.81619	0.230324	4.86E-07	-0.17229	0.00018	0.174703
-0.00725	0.87575	-0.03567	0.44186	0.081834	0.07728	-0.07861	0.08973	0.062218
-0.01946	0.67491	-0.13625	0.00318	0.087583	0.05859	-0.22876	5.83E-07	0.075214
0.068276	0.14069	0.085913	0.06359	0.23934	1.65E-07	0.214011	3.06E-06	0.247559
-0.01656	0.7212	-0.09159	0.04793	0.094759	0.04067	-0.08508	0.0662	0.23511
-0.0448	0.334	-0.18135	8.10E-05	-0.05652	0.22282	-0.25994	1.19E-08	0.158334
-0.03922	0.39778	-0.1153	0.01266	0.147622	0.00138	-0.18877	4.04E-05	0.193209
0.081688	0.07781	0.043833	0.34458	0.182271	7.44E-05	0.031103	0.50254	0.226751
-0.0403	0.38488	0.028827	0.53433	0.141684	0.00215	-0.02886	0.53381	0.171817
0.079074	0.08784	-0.06804	0.14208	0.139736	0.00247	-0.0902	0.05142	0.160353
-8.75E-05	0.9985	-0.12809	0.00557	0.149176	0.00122	-0.16102	0.00048	0.163048
-0.01822	0.69449	-0.17641	0.00013	0.018619	0.68818	-0.24553	7.70E-08	0.140892
0.030098	0.51645	-0.05817	0.2096	0.000455	0.99217	-0.07701	0.09648	0.140066
-0.04512	0.33057	-0.15005	0.00114	0.045955	0.32171	-0.08886	0.05499	0.231737
0.048884	0.29179	0.046052	0.32068	0.271833	2.35E-09	0.02109	0.64941	0.203908
0.02082	0.6536	-0.05135	0.26814	0.200263	1.30E-05	-0.14796	0.00134	0.195264

0.099436	0.03168	0.123841	0.00738	0.402214	1.38E-19	0.044707	0.33504	0.209455
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0.100649	0.02965	-0.02524	0.58633	0.276046	1.30E-09	-0.11682	0.01153	0.134428
0.014673	0.75182	-0.15933	0.00055	0.055918	0.22778	-0.18679	4.87E-05	0.087649
-0.10952	0.0179	-0.08885	0.05502	0.115397	0.01258	-0.11217	0.0153	0.236792
-0.03941	0.39544	-0.18977	3.67E-05	0.018275	0.69365	-0.25776	1.59E-08	0.078651
0.023578	0.6113	-0.0393	0.39686	0.059129	0.20214	-0.0313	0.49978	0.172955
0.038503	0.40647	-0.11644	0.0118	0.150475	0.00111	-0.20223	1.06E-05	0.194762
-0.09941	0.03172	-0.21219	3.73E-06	-0.00311	0.94656	-0.18412	6.27E-05	0.182616
0.018037	0.69745	-0.06728	0.14659	0.118599	0.01031	-0.11286	0.01468	0.141033
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-0.08184	0.07726	-0.25806	1.53E-08	-0.06552	0.15744	-0.31749	2.14E-12	0.082601
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0.049635	0.28443	-0.08667	0.06128	0.198415	1.57E-05	-0.19405	2.42E-05	0.107143
0.018551	0.68926	-0.05472	0.23795	0.180879	8.47E-05	-0.17937	9.72E-05	0.056139
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0.008753	0.85036	-0.00385	0.93384	0.150492	0.00111	-0.09018	0.05148	0.002125
0.048128	0.29933	0.024654	0.59512	0.224664	9.35E-07	0.077897	0.09268	0.379277
-0.00101	0.98256	-0.09266	0.04535	0.100745	0.02949	-0.19925	1.44E-05	0.061196
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0.046204	0.31909	0.047216	0.30859	0.198419	1.56E-05	0.057714	0.21317	-0.01289
0.034244	0.46036	-0.07547	0.10336	0.139624	0.00249	-0.2183	1.91E-06	0.080361
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0.08376	0.07054	-0.0397	0.39196	0.220567	1.49E-06	-0.05481	0.23712	0.247278
-0.08008	0.08388	-0.12681	0.00607	0.013535	0.77049	-0.20104	1.20E-05	0.118328
0.009063	0.84513	-0.09501	0.04014	0.15888	0.00057	-0.18411	6.27E-05	0.19134
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0.096104	0.03789	0.099732	0.03118	0.261528	9.66E-09	0.077939	0.09251	0.161702
0.021078	0.64959	-0.02344	0.61332	0.105098	0.02312	-0.04571	0.32432	0.070149
0.000686	0.98821	-0.08665	0.06133	0.117445	0.01109	-0.17392	0.00016	0.16535
0.06518	0.15965	0.0121	0.79425	0.164455	0.00036	-0.07398	0.11035	0.115079
0.092282	0.04625	-0.0702	0.12979	0.210301	4.57E-06	-0.14065	0.00232	0.170628
-0.06919	0.13544	0.019783	0.66981	-0.21411	3.03E-06	0.06514	0.1599	-0.13547
0.065835	0.15548	0.121903	0.00836	-0.04512	0.3306	0.061215	0.18665	-0.06997
0.021569	0.642	-0.02321	0.61689	0.044518	0.33709	-0.02668	0.56522	0.083267
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0.035086	0.4494	-0.07022	0.1297	0.232984	3.55E-07	-0.08861	0.05567	0.287475
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-0.05621	0.22532	-0.27238	2.18E-09	-0.02488	0.59177	-0.33716	7.05E-14	0.078695
0.048845	0.29218	-0.03788	0.41406	0.171213	0.0002	-0.14721	0.00142	0.166671
0.08987	0.05228	0.020088	0.66502	0.241516	1.27E-07	0.043178	0.35184	0.28528
0.032501	0.48351	0.244895	8.33E-08	0.099204	0.03208	0.284185	3.99E-10	0.052532
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0.037983	0.41283	-0.08667	0.06129	0.160975	0.00048	-0.17464	0.00015	0.113042
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0.002069	0.96443	-0.05949	0.19937	0.05183	0.26365	-0.08745	0.05897	0.073148
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0.023299	0.61552	-0.08208	0.07641	0.083453	0.07158	-0.16393	0.00037	0.054246
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0.079937	0.08442	0.031961	0.49081	0.21753	2.08E-06	-0.07406	0.10995	0.132053
0.02233	0.63029	-0.19048	3.43E-05	0.061377	0.18548	-0.197	1.80E-05	0.228903
0.060633	0.19088	-0.06296	0.17436	0.203816	9.02E-06	-0.12008	0.0094	0.090657
-0.00395	0.93215	-0.0046	0.92097	0.16991	0.00023	-0.12151	0.00858	0.1168
0.028055	0.54533	0.03358	0.46911	0.182031	7.61E-05	0.00472	0.91897	0.047473
0.019223	0.67863	-0.09292	0.04476	0.203464	9.36E-06	-0.19921	1.44E-05	0.168618
0.082717	0.07413	0.001128	0.98061	0.296223	6.51E-11	-0.01631	0.72526	0.182881
0.070761	0.12677	-0.05449	0.23988	0.239799	1.56E-07	-0.10124	0.02871	0.260136
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0.041878	0.36655	-0.14229	0.00205	0.146128	0.00154	-0.19756	1.71E-05	0.121901
0.047756	0.30308	-0.0347	0.45439	0.17905	0.0001	-0.05014	0.27952	0.185866
0.007133	0.87783	-0.13499	0.00347	0.132265	0.00419	-0.22119	1.39E-06	0.147123
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0.075963	0.1011	0.079175	0.08744	0.287561	2.42E-10	0.017323	0.70887	0.201974
0.026674	0.5653	-0.10635	0.02153	0.190971	3.27E-05	-0.21505	2.74E-06	0.137391
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0.020241	0.66264	0.007425	0.87286	0.110649	0.01675	-0.01537	0.74046	0.108597
-0.07935	0.08675	-0.12771	0.00572	0.029403	0.52619	-0.14992	0.00116	0.12938
0.030797	0.50675	0.023969	0.60539	0.161308	0.00047	-0.09918	0.03213	0.065535
-0.04553	0.32617	-0.02695	0.56133	0.039125	0.39891	-0.11069	0.01671	-0.00198
-0.11541	0.01257	0.075486	0.10327	-0.20226	1.06E-05	0.023687	0.60964	-0.16002
-0.01243	0.78874	-0.12868	0.00535	0.034959	0.45104	-0.21175	3.91E-06	0.069854
-0.15831	0.0006	-0.18854	4.13E-05	-0.06691	0.14885	-0.16609	0.00031	0.135834
0.135389	0.00337	0.159485	0.00054	0.325893	5.13E-13	0.146542	0.0015	0.230208
-0.0113	0.80756	-0.10851	0.019	0.146994	0.00145	-0.20645	6.86E-06	0.084963
0.047775	0.3029	-0.02795	0.54689	0.187822	4.42E-05	-0.06238	0.17836	0.094183
0.028145	0.54404	-0.17479	0.00015	0.037556	0.41812	-0.1459	0.00157	0.158058
-0.03581	0.44005	-0.08568	0.0643	-0.00627	0.89253	-0.20518	7.83E-06	-0.04223
0.010446	0.82187	-0.15241	0.00095	0.1946	2.29E-05	-0.14161	0.00216	0.245603
0.08678	0.06095	-0.06348	0.17084	0.166585	0.0003	-0.1887	4.06E-05	0.058592
-0.0498	0.28288	-0.20311	9.70E-06	0.068361	0.14019	-0.251	3.84E-08	0.074716
0.108647	0.01885	-0.00514	0.91171	0.227548	6.71E-07	-0.05193	0.2627	0.166036

0.071804	0.12125	-0.05807	0.21037	0.203327	9.49E-06	-0.17235	0.00018	0.108267
0.022328	0.63031	-0.03607	0.43677	0.215443	2.62E-06	-0.01928	0.67772	0.26192
0.004972	0.91466	-0.20778	5.96E-06	-0.05452	0.23968	-0.26372	7.19E-09	-0.07446
0.015396	0.74002	-0.1224	0.0081	0.042804	0.35604	-0.2317	4.14E-07	-0.03196
-0.01219	0.79271	-0.05548	0.23143	0.143691	0.00185	-0.05839	0.20787	0.340798
-0.10097	0.02912	0.03268	0.48112	-0.23727	2.13E-07	0.013116	0.77741	-0.21635
0.023421	0.61367	-0.09374	0.04289	0.131742	0.00435	-0.10418	0.02436	0.269064
-0.00254	0.9564	-0.10809	0.01947	0.091283	0.04867	-0.03645	0.432	0.16543
-0.03037	0.51268	-0.2169	2.23E-06	0.041317	0.373	-0.20041	1.28E-05	0.133462
-0.0042	0.92795	-0.11585	0.01223	0.195143	2.17E-05	-0.16224	0.00043	0.205951
-0.05957	0.19882	-0.0991	0.03226	-0.03748	0.41904	-0.24874	5.13E-08	-0.12022
0.009305	0.84106	-0.0445	0.33725	0.176455	0.00013	-0.17122	0.0002	0.200026
0.010464	0.82157	-0.13314	0.00395	0.181277	8.16E-05	-0.19341	2.57E-05	0.248223
-0.01776	0.70182	-0.05769	0.21333	-0.2407	1.40E-07	-0.01131	0.80742	-0.02237
-0.00167	0.97125	-0.14216	0.00207	0.094901	0.04037	-0.23393	3.18E-07	0.136163
-0.058	0.2109	-0.14484	0.0017	-0.00482	0.91724	-0.16794	0.00027	0.184635
-0.04008	0.38753	-0.12881	0.00531	0.078023	0.09216	-0.23973	1.58E-07	0.036058
0.032108	0.48882	-0.11833	0.01049	0.116231	0.01195	-0.21449	2.91E-06	0.089917
0.051908	0.26294	-0.06411	0.16659	0.153928	0.00085	-0.08835	0.05642	0.108851
0.067149	0.14738	-0.01671	0.71865	0.231997	3.99E-07	0.017461	0.70666	0.335056
0.066156	0.15347	0.053356	0.24983	0.179896	9.26E-05	0.044441	0.33792	0.272008
-0.01029	0.82445	-0.03302	0.47662	0.148791	0.00126	-0.14423	0.00178	-0.03411
0.052825	0.25458	0.061907	0.18171	0.250425	4.14E-08	-0.01058	0.81957	0.164142
0.033105	0.47543	-0.04837	0.29693	0.199812	1.36E-05	-0.09612	0.03786	0.278394
0.059918	0.19617	0.004924	0.91548	0.173931	0.00016	-0.0564	0.22378	0.198026
0.010232	0.82546	-0.03455	0.45642	0.24815	5.53E-08	-0.08274	0.07407	0.304814
-0.05279	0.25489	-0.02831	0.54173	0.178708	0.0001	-0.01446	0.75526	0.18412
0.019563	0.67327	-0.12359	0.0075	0.147745	0.00137	-0.24546	7.76E-08	0.123686
-0.0065	0.88855	-0.14107	0.00225	0.017725	0.70242	-0.08259	0.07459	0.13432
-0.22495	9.05E-07	-0.23206	3.96E-07	-0.17767	0.00011	-0.28364	4.33E-10	-0.07121
-0.09141	0.04835	-0.06016	0.19434	0.00584	0.89984	-0.1175	0.01104	-0.00786
-0.06319	0.1728	-0.1712	0.0002	-0.15261	0.00094	-0.25042	4.14E-08	-0.12786
-0.03447	0.45743	-0.12366	0.00746	0.036971	0.42541	-0.11909	0.01	0.10696
-0.04493	0.33268	-0.05084	0.27293	0.109579	0.01784	-0.17325	0.00017	0.146135
0.008984	0.84646	0.005698	0.90227	0.160701	0.00049	-0.06461	0.16334	0.068483
-0.07103	0.12533	-0.11118	0.01623	-0.05444	0.24033	-0.12639	0.00624	0.102104
-0.05578	0.2289	-0.05683	0.22025	0.096343	0.03741	-0.06046	0.19214	0.228316
-0.05272	0.25551	-0.05903	0.20289	0.07217	0.11936	-0.1454	0.00163	0.138012
0.032283	0.48646	-0.04487	0.33329	0.269474	3.27E-09	-0.08185	0.07723	0.208633
0.030984	0.50418	-0.03781	0.41496	0.221154	1.39E-06	-0.14091	0.00227	0.164114
0.03749	0.41893	-0.12024	0.0093	0.184729	5.92E-05	-0.19512	2.17E-05	0.193811
-0.02882	0.53437	-0.07587	0.10153	0.032203	0.48754	-0.01108	0.81118	0.071217
-0.02432	0.60017	-0.03303	0.4764	0.164805	0.00035	-0.08518	0.06588	0.205669
0.015351	0.74074	-0.0937	0.04299	0.162068	0.00044	-0.16986	0.00023	0.114464
-0.00967	0.83489	-0.14825	0.00131	0.10728	0.0204	-0.13771	0.00286	0.298544

-0.05679	0.22061	-0.17248	0.00018	0.074173	0.10942	-0.23897	1.73E-07	0.017857
-0.04828	0.29778	-0.14239	0.00204	0.059016	0.20301	-0.27855	9.06E-10	0.125835
-0.05202	0.26186	0.009998	0.82939	0.02526	0.5861	-0.15686	0.00067	0.020468
0.061205	0.18672	-0.03993	0.38929	0.194989	2.20E-05	-0.07672	0.09775	0.155056
0.101802	0.02782	0.039196	0.39806	0.226186	7.85E-07	0.0198	0.66955	0.020265
0.029165	0.52954	-0.1194	0.0098	0.09223	0.04637	-0.17171	0.00019	0.095747
0.008876	0.84829	-0.08759	0.05857	0.177834	0.00011	-0.19237	2.85E-05	0.11167
0.012133	0.79371	-0.12875	0.00533	0.155069	0.00077	-0.1117	0.01574	0.241265
0.065356	0.15852	0.033339	0.47231	0.217737	2.04E-06	-0.09814	0.03398	0.131531
-0.00372	0.93613	-0.11633	0.01188	0.14731	0.00141	-0.07201	0.1202	0.319867
0.045002	0.33185	0.067095	0.14771	0.257837	1.58E-08	0.00813	0.86091	0.219146
-0.02793	0.5471	-0.12175	0.00844	0.14749	0.00139	-0.21098	4.25E-06	0.132834
0.104645	0.02373	0.027627	0.55148	0.122369	0.00811	-0.10043	0.03	0.140502
-0.06404	0.16711	-0.13028	0.0048	0.080942	0.08058	-0.11093	0.01648	0.166499
-0.11477	0.01308	-0.12034	0.00924	0.000607	0.98957	-0.13278	0.00405	0.069035
-0.00441	0.92433	-0.14525	0.00165	0.119112	0.00999	-0.20719	6.35E-06	0.051731
0.037983	0.41283	-0.04738	0.30694	0.111882	0.01557	-0.0428	0.35606	0.16552
0.055978	0.22728	-0.04566	0.32481	0.225777	8.23E-07	-0.15716	0.00065	0.260669
0.047934	0.30129	-0.0017	0.97075	0.190585	3.39E-05	-0.14174	0.00214	0.144497
-0.04313	0.35243	-0.07544	0.10346	0.126513	0.00619	-0.17082	0.00021	0.043672
-0.09107	0.04919	-0.15493	0.00078	0.018562	0.68909	-0.26176	9.35E-09	0.013725
-0.04823	0.29826	-0.13496	0.00348	0.007578	0.87026	-0.17298	0.00017	0.138537
0.010808	0.81581	-0.00744	0.87263	0.162383	0.00043	-0.07994	0.0844	-0.03295
0.038712	0.40392	0.051662	0.26521	-0.00684	0.88283	0.033069	0.4759	0.181763
0.017923	0.69927	-0.09293	0.04474	0.157613	0.00063	-0.18191	7.70E-05	0.22206
-0.03697	0.42542	-0.17017	0.00022	0.096913	0.03629	-0.22118	1.39E-06	0.212794
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-0.00089	0.98477	0.013317	0.77409	0.194646	2.28E-05	0.029691	0.52214	0.185094
0.026618	0.56611	-0.18257	7.24E-05	0.120329	0.00925	-0.19431	2.36E-05	0.244704
0.032587	0.48237	-0.06103	0.18798	0.098627	0.0331	-0.12974	0.00498	0.116501
0.009103	0.84446	0.074787	0.10651	0.153143	0.0009	-0.06414	0.16644	0.062877
-0.04153	0.37051	-0.09692	0.03628	0.035688	0.44165	-0.16778	0.00027	0.046527
0.1424	0.00204	0.298047	4.91E-11	0.201272	1.17E-05	0.366527	2.70E-16	0.009952
0.012737	0.78368	-0.05595	0.22753	0.194559	2.30E-05	-0.08581	0.06392	0.139964
-0.08008	0.08388	0.055395	0.23216	-0.15097	0.00107	0.019996	0.66647	-0.10967
0.099343	0.03184	0.072349	0.11845	0.324565	6.45E-13	-0.0478	0.30261	0.327824
0.015344	0.74086	-0.08642	0.06205	0.08196	0.07683	-0.11818	0.01059	0.240715
-0.0253	0.58557	-0.12092	0.0089	0.097275	0.0356	-0.15586	0.00073	0.19348
-0.03763	0.41716	-0.13569	0.0033	0.056428	0.22356	-0.14325	0.00191	0.10694
0.042229	0.36254	-0.04351	0.34811	0.116702	0.01161	-0.10986	0.01755	0.224892
0.063552	0.17035	0.445299	3.98E-24	0.209634	4.90E-06	0.509415	3.33E-32	0.109315
-0.01662	0.72014	-0.07847	0.0903	0.094109	0.04207	-0.08681	0.06086	0.163681
-0.10179	0.02784	-0.19224	2.89E-05	-0.09423	0.04182	-0.21636	2.37E-06	-0.18662
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0.033409	0.47138	-0.0451	0.33082	0.132602	0.0041	-0.08797	0.05748	0.23895

-0.04821	0.29847	-0.23011	4.98E-07	-0.01746	0.70662	-0.29365	9.66E-11	0.201221
-0.06139	0.18538	-0.02005	0.66563	0.057453	0.21525	-0.10767	0.01995	0.028757
-0.08063	0.08174	0.020117	0.66457	0.140787	0.00229	-0.05292	0.25376	0.111943
-0.06204	0.18076	-0.18768	4.48E-05	-0.0061	0.89545	-0.19932	1.43E-05	0.079115
-0.00577	0.90107	-0.18305	6.92E-05	0.070353	0.12898	-0.22184	1.29E-06	0.229847
-0.01983	0.6691	-0.11408	0.01363	0.021475	0.64344	-0.15292	0.00092	0.119649
0.041472	0.37121	-0.06243	0.17807	0.166473	0.0003	-0.126	0.0064	0.145334
-0.01811	0.69622	-0.11145	0.01598	0.144174	0.00179	-0.15519	0.00077	0.207637
-0.05612	0.22608	-0.13685	0.00304	0.038332	0.40856	-0.2224	1.21E-06	0.166969
0.029451	0.52551	-0.03853	0.40609	0.211435	4.04E-06	-0.17618	0.00013	0.037195
-0.06209	0.1804	-0.24266	1.10E-07	-0.06405	0.167	-0.23031	4.87E-07	0.186824
-0.01058	0.81967	-0.12696	0.00601	0.013802	0.7661	-0.18273	7.13E-05	0.103267
-0.02424	0.60125	-0.17961	9.51E-05	-0.01915	0.67984	-0.26014	1.16E-08	-0.00499
-0.00795	0.86402	0.034497	0.45705	0.173499	0.00016	-0.02198	0.63573	0.138355
-0.03715	0.42315	-0.04934	0.28729	0.099806	0.03105	-0.08181	0.07737	0.105399
0.038591	0.40539	-0.04665	0.3144	0.111252	0.01616	-0.12228	0.00816	-0.01076
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0.064108	0.16663	-0.11152	0.01591	0.181362	8.10E-05	-0.23476	2.87E-07	0.133222
0.007717	0.8679	-0.11936	0.00983	0.101282	0.02863	-0.11989	0.00951	0.244795
0.028711	0.53597	-0.1407	0.00231	0.170378	0.00022	-0.17965	9.47E-05	0.180056
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0.00796	0.86378	-0.09409	0.04213	0.197092	1.79E-05	-0.05081	0.2732	0.164568
-0.01925	0.67819	-0.16469	0.00035	0.080813	0.08106	-0.25324	2.88E-08	-0.03999
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0.142681	0.002	0.052521	0.25733	0.344941	1.71E-14	0.002334	0.95989	0.219249
0.041521	0.37065	0.001624	0.97208	0.174614	0.00015	-0.01697	0.7145	0.126892
-0.0207	0.65546	-0.14942	0.0012	0.124357	0.00713	-0.24429	8.98E-08	0.125322
-0.0012	0.97936	0.056552	0.22254	0.146809	0.00147	-0.07421	0.10925	0.199919
-0.0649	0.16143	-0.13719	0.00297	-0.01206	0.79495	-0.21413	3.02E-06	0.091619
0.111791	0.01565	-0.01182	0.79892	0.240346	1.46E-07	-0.11543	0.01256	0.133163
-0.0447	0.33513	-0.14414	0.00179	0.045564	0.32585	-0.10965	0.01777	0.247642
0.050544	0.2757	-0.08566	0.06436	0.150952	0.00107	-0.1659	0.00032	0.126687
-0.02116	0.6483	0.148173	0.00132	-0.12321	0.00769	0.090643	0.05028	-0.17749
0.038802	0.40282	-0.13497	0.00347	0.138012	0.0028	-0.12728	0.00588	0.179001
0.006489	0.88878	-0.14131	0.00221	0.174826	0.00015	-0.19272	2.75E-05	0.138283
0.088087	0.05715	0.05133	0.26829	0.211364	4.07E-06	0.042714	0.35704	0.211034
-0.07437	0.1085	-0.04449	0.33744	0.061777	0.18263	-0.08952	0.0532	-0.03391
0.055066	0.23495	0.052941	0.25354	0.159234	0.00055	-0.01771	0.70269	0.187979
0.022451	0.62844	0.000803	0.9862	0.113986	0.01371	0.033757	0.46676	0.131779
0.035598	0.4428	-0.01483	0.74921	0.186747	4.89E-05	-0.11964	0.00966	0.1291
0.05498	0.23569	-0.04313	0.35233	0.197989	1.63E-05	-0.11366	0.01399	0.171114
0.167502	0.00028	0.099678	0.03127	0.220625	1.48E-06	-0.02112	0.64894	0.071183
0.034126	0.46191	-0.13426	0.00365	0.03889	0.40176	-0.12916	0.00518	0.136896
-0.03008	0.51666	-0.09813	0.034	0.071722	0.12168	-0.13719	0.00297	0.183102

-0.03435	0.45894	-0.13018	0.00484	-0.00967	0.83491	-0.22635	7.70E-07	0.047645
-4.39E-05	0.99924	-0.09161	0.04787	0.00676	0.88416	-0.13317	0.00394	0.207722
-0.06067	0.1906	-0.11687	0.01149	0.091462	0.04823	-0.08411	0.06938	0.080984
-0.02799	0.54632	-0.1675	0.00028	0.11889	0.01013	-0.2887	2.04E-10	0.09469
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0.011939	0.79693	-0.02048	0.65887	0.215508	2.60E-06	-0.07428	0.10891	0.203018
0.040277	0.38517	-0.14482	0.0017	0.178617	0.0001	-0.22597	8.05E-07	0.129682
0.106067	0.02188	-0.09449	0.04125	0.12134	0.00867	-0.14107	0.00224	0.172995
-0.04843	0.29632	-0.12271	0.00794	0.095688	0.03873	-0.19315	2.64E-05	0.252105
-0.0525	0.25754	-0.20145	1.15E-05	0.076484	0.09878	-0.25172	3.51E-08	0.13908
-0.07728	0.09529	-0.04306	0.35314	0.136556	0.00311	-0.06256	0.17716	0.23361
0.098219	0.03384	0.05448	0.23998	0.288064	2.25E-10	-0.00785	0.8657	0.231357
-0.03408	0.46253	0.072863	0.11584	-0.12424	0.00719	0.035745	0.44093	-0.18283
-0.00789	0.86501	-0.08513	0.06606	0.131073	0.00455	-0.17284	0.00017	0.11692
-0.00613	0.89482	-0.0663	0.15258	0.00199	0.96579	-0.22535	8.65E-07	-0.06255
0.003466	0.94045	-0.0698	0.13203	0.070511	0.12812	-0.17077	0.00021	0.03781
0.045936	0.3219	-0.09512	0.0399	0.058303	0.20852	-0.18792	4.38E-05	0.005113
-0.0037	0.93638	0.044489	0.3374	0.175329	0.00014	0.044297	0.33949	0.088846
-0.03081	0.50651	-0.11109	0.01632	0.024918	0.59119	-0.19159	3.08E-05	0.014406
0.041886	0.36645	-0.08063	0.08174	0.153204	0.0009	-0.12999	0.0049	0.206506
0.003658	0.93716	-0.07079	0.1266	0.070146	0.13011	-0.08592	0.06357	0.135674
-0.0098	0.83264	-0.09918	0.03213	0.058337	0.20826	-0.09112	0.04908	0.298958
-0.01083	0.81542	-0.22878	5.82E-07	0.058123	0.20993	-0.3076	1.08E-11	0.139188
-0.05276	0.25518	-0.02084	0.65323	0.12026	0.00929	0.015061	0.74547	0.145983
-0.02506	0.58906	-0.20497	8.01E-06	0.015195	0.74329	-0.20902	5.23E-06	0.180101
0.033891	0.465	-0.0321	0.48898	0.137829	0.00284	-0.05389	0.24515	0.136223
-0.15949	0.00054	-0.23522	2.72E-07	-0.12261	0.00799	-0.20123	1.18E-05	0.118366
-0.11046	0.01694	-0.17005	0.00022	-0.07919	0.08738	-0.23293	3.57E-07	-0.18837
-0.02988	0.51954	-0.07209	0.11979	0.098524	0.03329	-0.01724	0.71014	0.249457
0.03802	0.41238	-0.03768	0.4166	0.061077	0.18765	-0.13444	0.00361	0.143824
-0.06045	0.19224	-0.09979	0.03107	0.077116	0.09601	-0.10378	0.02491	0.17833
-0.0363	0.43387	-0.10857	0.01893	0.031466	0.49756	-0.1554	0.00075	0.215462
-0.043	0.3538	-0.10804	0.01952	0.008305	0.85793	-0.21625	2.40E-06	-0.01135
-0.02572	0.5793	-0.06919	0.13544	0.136144	0.0032	-0.03901	0.40033	0.116138
-0.00982	0.83231	-0.04667	0.3142	0.184024	6.33E-05	-0.15309	0.0009	0.098489
-0.00988	0.83136	-0.11234	0.01514	0.076221	0.09994	-0.22371	1.04E-06	0.175365
-0.04646	0.31643	-0.21429	2.97E-06	0.01014	0.82701	-0.30783	1.04E-11	0.127423
0.088699	0.05544	0.013454	0.77184	0.208563	5.49E-06	0.016259	0.72601	0.153442
0.010311	0.82413	-0.15509	0.00077	0.07259	0.11722	-0.18663	4.95E-05	0.07114
0.02151	0.64291	-0.05658	0.22234	0.145769	0.00159	-0.11889	0.01013	0.042335
0.096312	0.03747	0.00647	0.88909	0.182703	7.15E-05	-0.09498	0.0402	0.082904
-0.1164	0.01183	-0.11625	0.01194	0.030089	0.51658	-0.11506	0.01285	0.237705
-0.00605	0.89623	0.036995	0.4251	0.198139	1.61E-05	-0.02994	0.51861	0.199161
0.13645	0.00313	0.038423	0.40744	0.261597	9.57E-09	-0.05583	0.2285	0.19678
0.00495	0.91503	-0.0208	0.65387	0.26368	7.22E-09	-0.06056	0.19139	0.164645

-0.0248	0.59298	-0.12917	0.00518	0.082783	0.0739	-0.14274	0.00199	0.22301
-0.1561	0.00071	-0.19422	2.38E-05	-0.06648	0.15149	-0.19187	2.99E-05	0.091782
0.021208	0.64758	-0.024	0.60494	0.223965	1.01E-06	-0.10064	0.02966	0.102217
-0.15186	0.00099	-0.14799	0.00134	0.012626	0.78552	-0.12236	0.00812	0.177696
-0.00348	0.94026	-0.08202	0.07661	0.109239	0.01821	-0.17547	0.00014	0.079495
-0.08454	0.06797	-0.07885	0.08873	0.006227	0.89323	-0.20228	1.06E-05	0.109843
0.022072	0.63424	-0.07602	0.10083	0.187433	4.59E-05	-0.16706	0.00029	0.094689
-0.11043	0.01697	-0.12711	0.00595	-0.06304	0.17382	-0.12619	0.00632	0.152042
-0.02102	0.65054	-0.15226	0.00096	0.127759	0.0057	-0.21748	2.09E-06	0.190171
-0.02429	0.60058	0.021656	0.64065	0.094777	0.04063	-0.12841	0.00545	0.107325
-0.04679	0.313	-0.20615	7.08E-06	0.053357	0.24982	-0.24095	1.36E-07	0.161817
-0.01322	0.77572	-0.1323	0.00418	0.097997	0.03425	-0.17491	0.00015	0.200983
-0.04428	0.33972	-0.05734	0.21612	0.12497	0.00685	-0.07388	0.11083	-0.01264
-0.00647	0.88903	-0.0665	0.15132	0.148697	0.00127	-0.07625	0.09981	0.256412
-0.02373	0.60906	-0.10795	0.01962	0.171028	0.0002	-0.13987	0.00245	0.230435
0.039581	0.39344	-0.02729	0.55637	0.145524	0.00162	-0.14017	0.0024	0.104135
-0.02934	0.5271	-0.17832	0.00011	0.09004	0.05183	-0.20423	8.65E-06	0.284886
0.010607	0.81916	-0.09361	0.04318	0.12544	0.00664	-0.16437	0.00036	0.264908
0.0229	0.62158	-0.0417	0.36856	0.217716	2.04E-06	-0.15569	0.00074	0.226321
-0.03898	0.40067	-0.13735	0.00294	0.105359	0.02278	-0.14914	0.00123	0.272607
0.04899	0.29075	-0.04102	0.37641	0.282355	5.22E-10	-0.10892	0.01855	0.232402
-0.05428	0.24171	-0.10962	0.0178	0.07667	0.09796	-0.19917	1.45E-05	0.114205
-0.06857	0.13897	-0.09575	0.0386	-0.00888	0.84829	-0.23071	4.64E-07	-0.09045
0.033028	0.47645	-0.05501	0.23547	0.133741	0.00379	-0.12779	0.00568	0.121791
0.015595	0.73678	-0.04647	0.31629	0.116533	0.01173	-0.04205	0.36461	0.182434
-0.0621	0.18034	0.00266	0.95428	0.100125	0.03051	0.02606	0.57428	0.158733
0.010646	0.81852	0.001886	0.96758	0.101691	0.02799	0.010329	0.82384	0.212973
-0.06194	0.18149	-0.14822	0.00132	0.074916	0.1059	-0.06765	0.14435	0.247964
0.046659	0.31434	-0.03191	0.49154	0.256888	1.79E-08	-0.13835	0.00273	0.160932
0.046008	0.32115	-0.08917	0.05414	0.12775	0.0057	-0.12017	0.00934	0.138129
-0.04404	0.3423	-0.17262	0.00018	-0.02369	0.60962	-0.24201	1.19E-07	0.080087
-0.06707	0.14786	-0.21316	3.36E-06	-0.13103	0.00456	-0.21277	3.50E-06	0.037249
-0.04214	0.36355	-0.109	0.01846	0.123632	0.00748	-0.25376	2.69E-08	0.062355
-0.04122	0.37418	-0.13724	0.00296	-0.02583	0.5777	-0.1746	0.00015	0.055337
0.013762	0.76676	-0.18978	3.66E-05	0.046039	0.32082	-0.2205	1.50E-06	0.094956
0.046151	0.31965	-0.05383	0.24568	0.161337	0.00047	-0.13938	0.00254	0.188793
-0.02749	0.55347	-0.13908	0.00259	0.097027	0.03607	-0.19955	1.40E-05	0.112541
-0.01762	0.70405	-0.07605	0.10071	0.159377	0.00055	-0.1396	0.0025	0.072942
0.000466	0.99199	-0.09521	0.03972	0.184649	5.97E-05	-0.15895	0.00057	0.139145
0.001086	0.98133	0.312594	4.81E-12	0.069601	0.13313	0.321336	1.12E-12	0.011154
0.026167	0.57272	-0.01916	0.67956	0.271987	2.30E-09	-0.08861	0.05568	0.306969
-0.01471	0.75122	-0.12086	0.00894	0.146457	0.00151	-0.14592	0.00157	0.29866
0.041696	0.36863	-0.10181	0.0278	0.104171	0.02437	-0.14776	0.00136	0.114474
-0.02626	0.57141	-0.02201	0.63518	0.10969	0.01773	-0.03809	0.41151	0.137563
-0.11197	0.01549	-0.05776	0.21284	-0.12755	0.00578	0.094405	0.04143	0.073481

-0.09884	0.03273	-0.11196	0.01549	0.007128	0.8779	-0.09768	0.03483	0.082412
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0.023464	0.61301	-0.11232	0.01516	0.13424	0.00366	-0.18945	3.78E-05	0.054397
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-0.0566	0.22213	-0.19037	3.46E-05	-0.00599	0.89734	-0.16879	0.00025	0.135238
-0.06548	0.15776	0.038835	0.40242	-0.18374	6.50E-05	0.117952	0.01074	-0.13919
-0.07074	0.1269	0.084859	0.06692	-0.1963	1.93E-05	0.104339	0.02414	-0.16762
-0.01299	0.77955	-0.2251	8.89E-07	0.061454	0.18493	-0.20217	1.07E-05	0.256945
0.053816	0.24576	0.002383	0.95903	0.135558	0.00333	-0.09775	0.03471	-0.0186
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0.008402	0.8563	-0.08851	0.05595	0.146449	0.00151	-0.13244	0.00414	0.097201
-0.05593	0.22771	-0.25649	1.89E-08	-0.13002	0.00489	-0.20212	1.07E-05	0.024222
-0.06908	0.13606	-0.19238	2.85E-05	0.013806	0.76604	-0.30329	2.16E-11	-0.05444
-0.0117	0.80099	-0.03351	0.46997	0.036085	0.43658	-0.08466	0.06756	-0.04991
0.038838	0.40239	-0.00443	0.92392	0.236155	2.43E-07	-0.02924	0.52848	0.260846
-0.10599	0.02197	0.059167	0.20185	-0.25569	2.09E-08	0.072365	0.11836	-0.2313
-0.04723	0.30846	-0.05572	0.22941	0.01872	0.68658	-0.06516	0.1598	-0.13432
0.035978	0.43795	-0.16847	0.00026	0.076768	0.09753	-0.20248	1.04E-05	0.250367
0.020448	0.65939	-0.0268	0.56342	0.177725	0.00011	0.013599	0.76944	0.310114
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-0.0515	0.26673	-0.12467	0.00699	0.02929	0.52778	-0.17487	0.00015	0.170777
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0.062432	0.17802	-0.14401	0.00181	0.11222	0.01525	-0.15916	0.00056	0.186005
0.04516	0.33016	-0.05201	0.26196	0.241326	1.30E-07	-0.08871	0.0554	0.237712
-0.00693	0.88126	-0.13272	0.00407	0.125565	0.00659	-0.2415	1.27E-07	0.115928
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0.006133	0.89485	0.200848	1.22E-05	0.004067	0.93016	0.197776	1.67E-05	-0.00039
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0.003055	0.9475	-0.0931	0.04434	0.168276	0.00026	-0.03809	0.41155	0.34866
-0.02079	0.65401	-0.16422	0.00037	-0.11313	0.01444	-0.27577	1.35E-09	-0.10089
-0.02038	0.66042	-0.05405	0.24369	0.160947	0.00048	-0.09258	0.04553	0.294902
-0.02545	0.58324	-0.12722	0.0059	0.137136	0.00298	-0.13023	0.00482	0.282422
0.025056	0.58913	-0.09488	0.04041	0.167124	0.00029	-0.20695	6.51E-06	0.100406
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0.028515	0.53876	-0.10815	0.0194	0.193427	2.57E-05	-0.19644	1.91E-05	0.169704
0.032303	0.48619	0.150018	0.00115	-0.11976	0.00959	0.050233	0.27866	-0.24266
0.024997	0.59001	-0.11687	0.01149	0.162593	0.00042	-0.1246	0.00702	0.284744
0.000244	0.9958	0.048148	0.29913	0.173304	0.00017	0.089637	0.0529	0.235409
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0.109848	0.01756	0.210022	4.70E-06	0.237917	1.97E-07	0.103657	0.02509	0.125402
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-0.09924	0.03201	-0.08153	0.07839	-0.00807	0.86193	-0.09821	0.03386	-0.03498
-0.04994	0.28151	-0.13166	0.00437	0.082758	0.07399	-0.21745	2.10E-06	0.208445

-0.01158	0.80284	-0.00354	0.93913	0.217828	2.02E-06	-0.0733	0.11365	-0.02574
0.049302	0.28768	-0.15332	0.00089	0.040947	0.37731	-0.22525	8.74E-07	0.109099
0.020833	0.65339	-0.18543	5.54E-05	0.146871	0.00146	-0.21287	3.47E-06	0.218653
-0.00828	0.85833	0.002716	0.95333	0.178332	0.00011	-0.04605	0.32071	0.063333
-0.0365	0.43132	0.065749	0.15603	-0.11969	0.00963	0.11847	0.0104	0.031073
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-0.05223	0.25996	-0.0311	0.5026	-0.01871	0.68667	-0.16709	0.00029	-0.1355
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0.010313	0.8241	-0.1529	0.00092	0.111584	0.01585	-0.17503	0.00014	0.21126
-0.07253	0.11753	-0.04472	0.33485	0.028699	0.53615	-0.10579	0.02223	0.093478
-0.13122	0.00451	0.001963	0.96625	-0.22712	7.05E-07	0.017272	0.70969	-0.09801
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0.027751	0.5497	-0.15067	0.00109	0.141644	0.00215	-0.24985	4.46E-08	0.180497
0.056408	0.22372	-0.07455	0.10763	0.134005	0.00372	-0.11521	0.01273	0.200153
-0.01488	0.74849	-0.21834	1.90E-06	0.038252	0.40953	-0.23185	4.06E-07	0.148169
0.041398	0.37207	0.00258	0.95566	0.180049	9.14E-05	-0.10895	0.01851	0.196325
-0.03001	0.51768	-0.16821	0.00026	0.083055	0.07295	-0.171	0.0002	0.196262
-0.06062	0.19098	-0.0235	0.61251	-0.07959	0.08577	0.014549	0.75384	0.045616
-0.04144	0.37153	-0.14967	0.00118	-0.02369	0.60962	-0.15462	0.0008	0.019638
-0.04455	0.33676	-0.04869	0.29373	0.016691	0.71902	-0.13651	0.00312	-0.10135
0.007784	0.86677	-0.03808	0.41165	0.041719	0.36837	-0.0241	0.60343	0.002859
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0.079866	0.0847	-0.10786	0.01973	-0.07071	0.12703	-0.09894	0.03255	0.172189
0.096315	0.03747	0.130465	0.00474	0.214047	3.05E-06	0.12846	0.00543	0.071537
-0.02279	0.62327	-0.03949	0.39459	0.083098	0.07281	-0.1038	0.02488	-0.01814
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-0.04471	0.33496	-0.06345	0.17103	0.105131	0.02308	-0.01451	0.75445	0.175768
-0.00827	0.85859	0.024533	0.59693	0.082562	0.07468	-0.04196	0.36559	-0.13901
0.004986	0.91443	-0.03262	0.48198	0.168444	0.00026	-0.08802	0.05733	0.156473
-0.04281	0.35591	0.010217	0.82571	0.0403	0.38489	-0.10107	0.02897	-0.0401
0.004424	0.92405	-0.11079	0.01661	-0.02554	0.58197	-0.13682	0.00305	0.047384
-0.05938	0.20021	-0.00561	0.90369	-0.04264	0.35792	0.008156	0.86046	-0.02172
-0.04165	0.36918	-0.04852	0.29539	0.05552	0.23111	-0.06049	0.19195	-0.00015
-0.13894	0.00262	-0.24928	4.79E-08	-0.10584	0.02217	-0.26485	6.16E-09	-0.02008
-0.02374	0.6088	-0.21174	3.91E-06	-0.01969	0.67134	-0.19522	2.15E-05	0.108292
0.001876	0.96774	-0.02846	0.53958	0.080222	0.08332	-0.05628	0.22481	0.033209
-0.05281	0.25473	-0.15152	0.00102	0.004263	0.9268	-0.17437	0.00015	0.126677
-0.00858	0.85321	0.110346	0.01706	-0.15046	0.00111	0.132652	0.00408	-0.13647
-0.12795	0.00562	-0.19193	2.98E-05	-0.12006	0.00941	-0.12799	0.00561	0.22043
-0.04681	0.31277	0.019289	0.67759	-0.00542	0.90698	0.101847	0.02775	0.169317
-0.1706	0.00021	-0.13505	0.00345	-0.25821	1.50E-08	-0.18127	8.17E-05	-0.06429
0.028352	0.54108	0.021938	0.6363	0.111907	0.01554	-0.02972	0.52173	0.044813



-0.00242	0.95834	-0.01926	0.67799	0.160098	0.00051	-0.07304	0.11498	0.143284
-0.07428	0.10891	-0.15192	0.00099	0.023336	0.61496	-0.13841	0.00272	0.06283
-0.06488	0.16161	-0.15746	0.00064	-0.00348	0.94022	-0.16766	0.00027	-0.05847
0.014374	0.75671	-0.06002	0.19542	0.170586	0.00021	-0.17436	0.00015	0.076182
0.016333	0.72481	-0.03219	0.48767	0.053302	0.25031	-0.12048	0.00916	-0.04053
-0.03584	0.43975	-0.05522	0.23362	-0.0657	0.15632	-0.09631	0.03748	0.106457
-0.07084	0.12634	-0.11553	0.01248	-0.17544	0.00014	-0.16126	0.00047	0.030636
-0.03717	0.42292	-0.03335	0.47215	-0.0394	0.39561	0.00279	0.95205	-0.01059
-0.02338	0.61429	-0.06112	0.18736	-0.18011	9.09E-05	-0.00202	0.96531	-0.06188
0.058234	0.20907	-0.03776	0.41561	0.131889	0.0043	-0.1063	0.02159	0.249843
-0.02117	0.64821	-0.16612	0.00031	-0.02457	0.59634	-0.25062	4.04E-08	-0.0968
-0.03504	0.44997	-0.13593	0.00325	-0.00128	0.97798	-0.08696	0.06041	0.161022
-0.09054	0.05055	0.012092	0.79439	-0.24427	9.00E-08	0.028153	0.54393	-0.11061
-0.01672	0.71859	-0.07931	0.08691	0.093345	0.04378	-0.08243	0.07516	0.147285
-0.02416	0.60256	-0.00826	0.85871	0.189418	3.79E-05	0.006962	0.88073	0.11202
-0.06858	0.13894	-0.0889	0.05488	0.007935	0.86421	-0.15941	0.00054	0.137038
-0.08569	0.06427	-0.18126	8.17E-05	-0.04491	0.3328	-0.22786	6.47E-07	-0.0031
-0.04231	0.36166	-0.13306	0.00397	0.000315	0.99458	-0.10808	0.01948	0.087507
-0.02078	0.65419	-0.04723	0.30845	-0.02621	0.57205	-0.12064	0.00906	0.042518
0.036042	0.43714	-0.14856	0.00128	0.096929	0.03626	-0.16248	0.00042	0.296096
-0.04539	0.32767	0.066667	0.15031	0.226126	7.91E-07	0.06303	0.17389	0.348391
0.004289	0.92635	0.033778	0.46648	0.018518	0.6898	0.156053	0.00071	0.220041
-0.03707	0.42414	-0.12207	0.00827	-0.00161	0.97232	-0.16121	0.00047	0.088194
0.045875	0.32255	0.028265	0.54232	0.141235	0.00222	-0.02673	0.56456	0.0934
0.028654	0.53678	0.030636	0.50898	0.117803	0.01084	-0.05704	0.2186	0.020801
-0.036	0.4377	-0.14007	0.00242	-0.10373	0.02499	-0.07803	0.09214	0.129202
0.011323	0.8072	0.028093	0.54479	0.150464	0.00111	0.072715	0.11659	0.098283
0.020612	0.65684	0.136394	0.00314	0.031388	0.49863	-0.00669	0.88544	-0.13937
-0.08949	0.05329	-0.11333	0.01427	-0.11736	0.01114	-0.13392	0.00374	0.061054
-0.10068	0.0296	-0.05595	0.22755	-0.14927	0.00122	0.053794	0.24595	0.051007
-0.05821	0.20928	-0.15816	0.0006	-0.01688	0.71598	-0.13897	0.00261	0.14213
-0.06697	0.14845	-0.06654	0.15108	0.03014	0.51587	-0.10597	0.022	0.092207
0.049854	0.28231	-0.06828	0.14066	0.128256	0.00551	-0.04542	0.32735	0.184561
-0.19901	1.47E-05	-0.09369	0.043	-0.16532	0.00033	-0.10527	0.0229	0.065609
-0.04747	0.30604	0.068807	0.13762	0.083817	0.07035	0.012683	0.78458	-0.09017
-0.06808	0.14186	-0.16064	0.00049	0.029472	0.52521	-0.15718	0.00065	0.159719
0.04084	0.37856	0.277531	1.05E-09	0.059163	0.20188	0.232345	3.83E-07	-0.0841
-0.05366	0.24711	-0.06642	0.15182	0.101315	0.02858	-0.0346	0.45565	0.110807
-0.09362	0.04315	-0.18843	4.17E-05	-0.16627	0.00031	-0.1731	0.00017	0.11907
-0.07275	0.1164	-0.04148	0.37115	-0.13159	0.00439	-0.07435	0.10857	-0.10749
0.001882	0.96765	0.014225	0.75916	0.092627	0.04543	-0.04259	0.35843	0.066889
-0.00282	0.95159	0.093853	0.04264	0.048119	0.29943	0.156003	0.00072	0.057548
0.11866	0.01027	0.208381	5.60E-06	-0.00665	0.88598	0.102462	0.02682	-0.17955
0.024786	0.59315	0.095983	0.03813	0.245127	8.09E-08	0.032014	0.49009	0.045667
0.063771	0.16888	0.036212	0.43497	0.165733	0.00032	-0.01981	0.66938	0.064893

-0.04253	0.35914	-0.0722	0.11921	-0.06847	0.13954	-0.05308	0.25231	-0.00982
-0.13943	0.00253	-0.05399	0.24423	-0.17568	0.00014	-0.06282	0.17531	0.00189
-0.02713	0.55868	-0.09493	0.04031	0.051226	0.26926	-0.16002	0.00052	0.017694
0.119554	0.00971	-0.0652	0.15952	0.143328	0.0019	-0.14265	0.002	0.100081
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-0.11602	0.01211	0.015553	0.73746	-0.21975	1.63E-06	-0.01769	0.70301	-0.10653
-0.05941	0.20001	-0.13152	0.00442	-0.01822	0.69457	-0.12181	0.00841	0.102587
0.013613	0.7692	-0.13996	0.00243	0.088412	0.05623	-0.11542	0.01256	0.240448
-0.10958	0.01784	-0.15224	0.00097	-0.03491	0.45162	-0.14932	0.00121	0.051914
-0.04974	0.28338	-0.11517	0.01276	-0.12046	0.00917	-0.02621	0.57204	0.108208
0.200173	1.31E-05	0.155469	0.00075	0.243729	9.63E-08	0.220537	1.49E-06	0.072461
-0.09152	0.04808	-0.12624	0.0063	-0.02001	0.66619	-0.18075	8.56E-05	0.009055
-0.04753	0.30536	0.009852	0.83184	0.118881	0.01013	-0.01016	0.82665	-0.08207
-0.01662	0.72014	-0.17674	0.00012	-0.07286	0.11586	-0.18722	4.68E-05	-0.02681
-0.08187	0.07714	-0.212	3.80E-06	-0.08528	0.06557	-0.16435	0.00036	0.103547
-0.06676	0.14977	-0.0669	0.14892	-0.11157	0.01586	0.007795	0.86659	-0.01484
-0.00945	0.83861	-0.07143	0.12321	0.042189	0.36299	-0.06661	0.15068	0.057093
-0.02969	0.52215	-0.18645	5.03E-05	-0.05538	0.23227	-0.11475	0.01309	0.098894
-0.06002	0.19538	-0.04509	0.33096	0.089347	0.05367	-0.04633	0.31772	0.157215
-0.17937	9.72E-05	-0.07306	0.11487	-0.17054	0.00021	-0.05299	0.25308	-0.12876
-0.08418	0.06914	-0.10661	0.02121	-0.21712	2.18E-06	-0.04864	0.29419	-0.11558
-0.04934	0.28731	0.050652	0.27467	0.054121	0.2431	0.001694	0.97088	-0.06488
-0.03083	0.50634	-0.04445	0.33785	0.062714	0.17607	-0.03539	0.44542	0.03791
0.003703	0.93639	-0.00691	0.88158	0.007593	0.87002	-0.18069	8.61E-05	-0.07109
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-0.02313	0.61807	-0.102	0.02752	-0.00442	0.92411	-0.14781	0.00136	0.070531
-0.11013	0.01727	-0.14056	0.00233	-0.10558	0.02249	-0.10919	0.01826	0.025682
-0.01013	0.82724	-0.05224	0.25986	-0.01395	0.76364	-0.06494	0.16119	0.079739
0.075666	0.10244	0.055099	0.23467	0.115014	0.01288	0.035371	0.44572	0.145741
0.016124	0.72819	0.110195	0.01721	0.041655	0.36911	0.093618	0.04316	0.145776
-0.09711	0.03591	-0.18253	7.27E-05	-0.17697	0.00012	-0.17552	0.00014	0.106017
-0.07371	0.11165	-0.0511	0.27042	-0.08901	0.05457	-0.12019	0.00933	-0.09977
-0.06956	0.13336	0.058503	0.20697	-0.01389	0.76458	0.012443	0.78855	-0.137
-0.06841	0.13991	-0.05402	0.24401	0.026834	0.56296	-0.07931	0.08691	-0.05608
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-0.03694	0.42575	-0.029	0.53187	0.047064	0.31016	-0.08158	0.0782	0.008075
-0.10319	0.02576	-0.18696	4.80E-05	-0.02837	0.54081	-0.14046	0.00235	-0.16159
-0.03576	0.44076	-0.02727	0.55668	-0.11394	0.01375	0.064405	0.16468	-0.11863
-0.01799	0.69817	-0.02305	0.61928	-0.01041	0.82249	0.078731	0.08923	0.088865
-0.00679	0.88373	0.099967	0.03078	-0.03331	0.47273	0.19676	1.85E-05	-0.00228
-0.05492	0.23618	-0.17071	0.00021	-0.04151	0.37075	-0.20387	8.97E-06	0.059742
-0.04474	0.33472	-0.16101	0.00048	0.030327	0.51326	-0.19851	1.55E-05	-0.10055
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0.000626	0.98923	-0.05909	0.20242	0.040364	0.38414	-0.12793	0.00563	0.050612

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-0.03238	0.48516	0.152992	0.00091	0.13147	0.00443	0.121559	0.00855	0.174566
-0.00578	0.90081	-0.08217	0.07607	0.116104	0.01205	-0.18986	3.64E-05	0.163536
0.035854	0.43954	-0.09575	0.03861	0.090907	0.04961	-0.20908	5.20E-06	0.029639
0.005069	0.91301	-0.07229	0.11875	0.039593	0.39329	-0.16239	0.00043	-0.02684
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-0.02204	0.63472	-0.09164	0.04779	0.009655	0.83516	-0.12944	0.00508	0.105576
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0.043885	0.34401	-0.10618	0.02174	0.016648	0.71972	-0.0835	0.07141	0.015483
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0.004879	0.91626	-0.13561	0.00332	0.03031	0.51349	-0.14353	0.00187	0.132991
0.05358	0.24784	-0.14124	0.00222	0.024654	0.59513	-0.113	0.01455	0.025708
-0.0517	0.26487	0.106944	0.0208	0.077212	0.0956	0.139303	0.00255	0.029829
-0.01043	0.82212	0.041818	0.36724	-0.12416	0.00722	0.078461	0.09034	0.010445
0.041112	0.37538	-0.0792	0.08733	0.068104	0.14169	-0.13625	0.00317	-0.02237
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0.014839	0.7491	-0.05087	0.27257	0.094797	0.04059	-0.19701	1.80E-05	-0.15144
0.038791	0.40296	-0.0814	0.07887	0.043779	0.34518	-0.09271	0.04524	-0.06554
-0.06505	0.16046	-0.04267	0.35751	-0.12506	0.00681	-0.09823	0.03382	0.031236
0.005632	0.90338	0.004125	0.92916	0.060961	0.18848	-0.05975	0.19745	-0.09111
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-0.03736	0.42056	-0.04388	0.34404	0.040148	0.3867	-0.08867	0.05552	-0.03931
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-0.08616	0.06283	-0.06465	0.16308	0.038845	0.4023	-0.01396	0.76354	0.158448
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0.052399	0.25844	-0.07984	0.08482	0.125415	0.00665	-0.06561	0.1569	0.076496
-0.09849	0.03336	-0.09391	0.04251	-0.00362	0.93775	-0.08405	0.06957	0.098634
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0.017259	0.70989	0.046935	0.31148	0.13445	0.0036	0.107619	0.02001	0.166277
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0.018067	0.69697	-0.11572	0.01234	0.061381	0.18545	-0.22123	1.38E-06	-0.00808
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0.101958	0.02758	-0.11903	0.01004	-0.04645	0.31654	-0.16088	0.00048	0.044232
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0.02255	0.62691	-0.13827	0.00275	0.14676	0.00147	-0.10156	0.02819	0.201595

0.091436	0.04829	-0.0505	0.27611	0.211622	3.96E-06	-0.03767	0.41664	0.138829
0.019948	0.66723	0.012566	0.78651	0.186189	5.16E-05	0.04459	0.3363	0.301541
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0.016659	0.71955	0.006826	0.88303	0.192838	2.72E-05	-0.06363	0.16982	0.106803
0.018096	0.6965	-0.08605	0.06316	-0.07719	0.0957	-0.12263	0.00798	-0.06783
0.006791	0.88364	-0.07799	0.0923	0.130258	0.00481	-0.10838	0.01915	0.139805
0.071123	0.12483	0.268789	3.59E-09	0.375846	4.08E-17	0.173959	0.00016	0.25774
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-0.06599	0.15449	-0.1292	0.00517	0.030772	0.50709	-0.14611	0.00155	0.06128
-0.05282	0.25466	0.044183	0.34074	0.052846	0.25439	0.009954	0.83013	0.131217
-0.0739	0.11072	-0.09176	0.04751	-0.05514	0.23435	-0.13488	0.0035	0.016559
-0.0045	0.92278	-0.10876	0.01872	0.091032	0.0493	-0.11689	0.01148	0.188314
-0.06008	0.19494	-0.1385	0.0027	-0.21511	2.72E-06	-0.13141	0.00445	-0.10641
0.027676	0.55077	-0.08219	0.07599	0.0819	0.07704	-0.13389	0.00375	0.060796
0.005174	0.91122	-0.10117	0.02882	0.070754	0.12681	-0.19388	2.46E-05	0.075076
-0.10685	0.02092	-0.09753	0.03511	-0.16469	0.00035	-0.1091	0.01836	0.069357
-0.01012	0.82728	-0.00826	0.85871	0.057634	0.2138	-0.0777	0.09353	-0.15521
0.081166	0.07974	-0.01048	0.82138	-0.04348	0.34845	-0.0823	0.0756	0.082057
0.019849	0.66877	-0.07489	0.10602	0.059415	0.19996	-0.18733	4.63E-05	0.072915
-0.02304	0.61948	-0.07214	0.1195	0.055557	0.2308	-0.08604	0.0632	0.079196
-0.11233	0.01516	-0.26247	8.50E-09	-0.14251	0.00202	-0.25794	1.56E-08	0.009545
-0.09427	0.04173	-0.22645	7.62E-07	-0.05769	0.21334	-0.24967	4.56E-08	-0.01525
-0.10806	0.0195	-0.12833	0.00548	-0.03875	0.40341	-0.16715	0.00029	0.057139
-0.0933	0.04387	-0.12875	0.00533	-0.06482	0.16194	-0.1273	0.00587	0.075559
0.020466	0.65911	-0.12631	0.00627	0.069622	0.13301	-0.09959	0.03143	0.169757
0.083425	0.07168	0.047423	0.30647	0.119409	0.0098	0.030126	0.51606	0.148178
-0.1325	0.00413	-0.10783	0.01977	-0.17808	0.00011	-0.07802	0.09216	-0.05553
-0.05172	0.2647	-0.11277	0.01476	-0.18555	5.48E-05	-0.12607	0.00637	-0.12112
-0.1207	0.00903	-0.13787	0.00283	-0.17611	0.00013	-0.11113	0.01628	-0.10957
-0.04321	0.35147	0.046816	0.31271	0.042288	0.36186	0.04076	0.37949	0.059553
0.040938	0.37741	-0.04241	0.36046	0.219117	1.75E-06	-0.01661	0.72029	0.2198
-0.10763	0.01999	-0.07526	0.10431	-0.15496	0.00078	-0.06337	0.17156	-0.03048
0.063341	0.17178	-0.0378	0.41514	0.120638	0.00907	-0.04862	0.29444	-4.03E-05
0.03808	0.41164	-0.067	0.14828	0.02173	0.63951	-0.13649	0.00312	0.072296
-0.07014	0.13017	-0.05022	0.27881	-0.12816	0.00554	-0.13512	0.00344	-0.1032
-0.08922	0.05402	-0.09848	0.03337	-0.05885	0.20427	-0.07383	0.11106	0.068246
-0.01019	0.82608	-0.04557	0.32577	0.042305	0.36167	-0.08824	0.05672	0.064393
-0.08858	0.05577	-0.0843	0.06876	0.026733	0.56443	-0.16565	0.00032	-0.11509
0.063908	0.16796	-0.06943	0.13408	0.129555	0.00505	-0.03842	0.40753	0.132259
-0.01823	0.69444	-0.11177	0.01567	-0.06525	0.15922	-0.17703	0.00012	0.069581
-0.05776	0.21277	-0.07904	0.08798	0.061306	0.18599	-0.07253	0.11751	0.132231
-0.04677	0.31314	-0.23032	4.86E-07	-0.02209	0.634	-0.15645	0.00069	-0.02409
0.004578	0.92141	0.065262	0.15912	0.117356	0.01115	0.04779	0.30275	0.041803
0.004681	0.91964	0.083681	0.07081	0.085791	0.06397	0.0313	0.49984	-0.0169

0.030039	0.51727	0.056025	0.22689	0.162997	0.00041	0.078702	0.08935	-0.03661
0.016302	0.72532	-0.13185	0.00431	0.190362	3.46E-05	-0.12368	0.00745	0.155974
-0.01676	0.71793	-0.02824	0.54267	-0.03082	0.50643	-0.10029	0.03024	-0.0848
0.011238	0.80861	0.057508	0.21481	0.194135	2.40E-05	0.035056	0.44979	0.166705
-0.04821	0.29854	-0.07207	0.1199	0.022663	0.6252	-0.00622	0.89343	0.135507
0.044432	0.33802	0.190384	3.46E-05	0.25304	2.96E-08	0.163352	0.00039	0.335927
0.054915	0.23624	0.108247	0.01929	0.23682	2.24E-07	0.072007	0.1202	0.268002
-0.09169	0.04766	-0.12819	0.00553	-0.00354	0.93924	-0.16137	0.00046	0.022102
0.070942	0.12579	0.194578	2.29E-05	0.277652	1.03E-09	0.076876	0.09705	0.077456
-0.01958	0.67304	0.101279	0.02864	0.051657	0.26525	0.040476	0.38283	0.029232
-0.14115	0.00223	-0.14881	0.00126	-0.07481	0.10642	-0.16515	0.00034	-0.00876
0.012311	0.79074	-0.19528	2.14E-05	-0.00132	0.97738	-0.16533	0.00033	0.109042
-0.18463	5.97E-05	-0.17222	0.00018	-0.31917	1.61E-12	-0.18918	3.88E-05	-0.07784
-0.06167	0.18336	-0.02143	0.64412	-0.14322	0.00192	-0.05426	0.24192	-0.15068
-0.05357	0.24795	-0.0587	0.20543	0.02261	0.626	-0.08239	0.0753	0.02192
-0.06331	0.172	-0.05187	0.26331	-0.12266	0.00796	-0.06092	0.18878	0.09739
-0.10063	0.02969	-0.1288	0.00531	-0.21639	2.36E-06	-0.16531	0.00033	-0.25419
-0.0081	0.86144	0.124778	0.00694	0.121435	0.00862	0.127453	0.00581	0.172567
-0.12282	0.00788	-0.15594	0.00072	-0.05813	0.20992	-0.16392	0.00038	-0.074
0.021859	0.63752	-0.11851	0.01037	0.135224	0.00341	-0.07105	0.12521	0.222436
0.058653	0.2058	-0.11599	0.01213	0.125179	0.00676	-0.05836	0.20809	0.172856
-0.04683	0.31259	-0.08603	0.06324	0.060496	0.19189	-0.0257	0.57966	0.146371
-0.0273	0.55615	-0.02239	0.62941	-0.0237	0.6095	-0.04767	0.30396	-0.00422
0.012854	0.78175	0.073764	0.1114	0.163165	0.0004	0.007194	0.87678	0.043326
-0.11478	0.01306	-0.1792	9.87E-05	-0.13576	0.00329	-0.28189	5.59E-10	-0.0123
0.013848	0.76534	-0.03951	0.39432	-0.02344	0.61338	-0.0518	0.26395	0.008386
0.008832	0.84903	-0.05327	0.25058	-0.04578	0.32352	-0.08905	0.05447	-0.01896
0.047327	0.30745	-0.19516	2.17E-05	0.017034	0.71351	-0.1531	0.0009	0.087231
0.007614	0.86965	-0.02399	0.60506	0.198006	1.63E-05	-0.09655	0.03701	0.030085
-0.07967	0.08548	-0.07579	0.10188	-0.01458	0.75326	-0.07977	0.08506	0.096136
-0.11638	0.01184	-0.12141	0.00863	-0.19202	2.95E-05	-0.10747	0.02018	0.045923
-0.0092	0.84285	0.023574	0.61135	0.197569	1.70E-05	0.032803	0.47946	0.118452
0.083214	0.0724	-0.02607	0.57409	0.135662	0.00331	-0.05428	0.2417	-0.00396
-0.03527	0.44708	-0.04092	0.37765	0.091474	0.0482	-0.04021	0.38595	0.040331
-0.08076	0.08126	-0.21239	3.65E-06	-0.02645	0.56852	-0.11566	0.01238	0.219673
-0.02164	0.64083	0.008383	0.85662	-0.01679	0.71736	-0.00311	0.94663	-0.11113
-0.01986	0.66865	0.083846	0.07025	0.020034	0.66586	0.14227	0.00206	0.046565
-0.05853	0.20675	-0.07979	0.085	-0.14543	0.00163	-0.08287	0.0736	0.139199
0.015227	0.74277	-0.0698	0.13203	0.032611	0.48204	-0.08393	0.06998	0.119235
-0.09811	0.03403	-0.08436	0.06855	-0.01996	0.667	-0.10362	0.02513	-0.05441
-0.00433	0.92561	0.034639	0.4552	0.124331	0.00714	0.00027	0.99535	0.017803
-0.03293	0.47775	-0.13957	0.0025	-0.03212	0.48871	-0.13238	0.00416	0.083348
-0.02872	0.53579	-0.07717	0.09577	-0.01915	0.67984	-0.12826	0.00551	0.022094
-0.01111	0.81073	-0.09087	0.0497	-0.04283	0.35579	-0.1051	0.02312	0.020431
-0.01076	0.81668	-0.18921	3.87E-05	0.000194	0.99667	-0.21773	2.04E-06	0.106567

-0.06562	0.15687	-0.15338	0.00088	-0.11225	0.01523	-0.18457	6.01E-05	0.027884
-0.03766	0.4168	0.051811	0.26382	-0.03262	0.48187	0.009586	0.83632	-0.02167
-0.01616	0.72765	0.157643	0.00063	0.123713	0.00744	0.140212	0.00239	0.178846
-0.0771	0.09608	-0.1533	0.00089	0.037445	0.41948	-0.19514	2.17E-05	0.064314
-0.10199	0.02754	-0.16584	0.00032	0.006075	0.89583	-0.09901	0.03242	0.187553
-0.02087	0.65275	-0.07298	0.11528	-0.01495	0.74729	-0.10235	0.02698	-0.08568
-0.01316	0.77669	-0.07253	0.11753	0.079861	0.08472	-0.05602	0.22689	0.186889
-0.09653	0.03703	-0.08822	0.05676	-0.12686	0.00605	-0.16046	0.0005	0.043509
-0.04559	0.32552	-0.16567	0.00032	0.034037	0.46308	-0.19012	3.54E-05	0.08328
-0.08434	0.06863	-0.09317	0.04418	-0.07011	0.13032	-0.11667	0.01163	-0.16091
-0.01823	0.69437	0.016525	0.72172	0.091258	0.04873	-0.0011	0.98117	0.125826
-0.22325	1.10E-06	-0.29459	8.38E-11	-0.13377	0.00378	-0.32042	1.31E-12	-0.0258
-0.0375	0.41883	-0.04187	0.36661	-0.14669	0.00148	-0.07881	0.0889	-0.08068
0.018755	0.68603	-0.04078	0.37924	0.126389	0.00624	-0.09795	0.03433	0.015888
-0.00309	0.94694	-0.0911	0.04913	0.109928	0.01748	-0.0924	0.04597	0.15704
-0.06621	0.15316	0.10902	0.01844	0.109716	0.0177	0.101633	0.02808	0.120196
0.006116	0.89513	0.126296	0.00628	0.170689	0.00021	0.171807	0.00019	0.161288
-0.0248	0.59299	-0.03469	0.45455	0.109223	0.01822	0.039899	0.38965	0.280892
0.006983	0.88036	0.086933	0.0605	0.167844	0.00027	0.141445	0.00218	0.1191
-0.12553	0.0066	-0.12405	0.00728	-0.04849	0.2957	-0.16564	0.00032	0.02593
-0.01208	0.79453	0.055055	0.23504	0.037538	0.41833	-0.05028	0.27819	-0.12652
0.137554	0.00289	0.218909	1.79E-06	0.318016	1.96E-12	0.153374	0.00088	0.116172
-0.06535	0.15857	-0.12181	0.00841	-0.07001	0.13088	-0.15381	0.00085	0.134935
-0.09285	0.04491	-0.09152	0.04808	-0.08237	0.07537	-0.07079	0.12659	0.073987
-0.09133	0.04856	-0.0991	0.03226	0.011789	0.79942	-0.06172	0.183	0.095452
0.060121	0.19466	-0.04926	0.2881	0.270336	2.90E-09	-0.08528	0.06558	0.25471
-0.03439	0.45847	-0.00354	0.93915	0.036409	0.43248	-0.07235	0.11842	-0.03296
0.078474	0.09028	-0.01435	0.75718	0.187522	4.55E-05	-0.06418	0.16618	0.09978
-0.10884	0.01864	-0.09195	0.04703	-0.21079	4.33E-06	-0.10312	0.02586	-0.00017
-0.05044	0.27664	-0.14169	0.00215	0.040374	0.38402	-0.15906	0.00056	0.133002
0.000424	0.99272	-0.13563	0.00332	-0.03599	0.43784	-0.13206	0.00425	0.001647
0.024751	0.59367	0.171428	0.0002	0.32541	5.57E-13	0.240629	1.41E-07	0.273623
0.02482	0.59264	-0.01748	0.7063	0.114111	0.01361	-0.03663	0.42975	0.088812
-0.04216	0.36328	-0.05454	0.23949	0.089561	0.0531	-0.0349	0.45177	0.345074
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0.00068	0.98831	-0.09596	0.03818	-0.02785	0.54826	-0.09646	0.03719	0.201419
-0.05534	0.2326	-0.11937	0.00982	-0.1486	0.00128	-0.13309	0.00396	-0.11409
0.042227	0.36256	-0.01663	0.72007	0.003655	0.9372	-0.04532	0.32849	0.058337
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0.016562	0.72111	0.091156	0.04898	0.010966	0.81316	-0.006	0.89713	-0.13058
-0.09782	0.03458	-0.10683	0.02094	-0.23078	4.61E-07	-0.01213	0.79382	-0.16095
-0.00652	0.88827	-0.13987	0.00245	0.083904	0.07006	-0.05985	0.19671	0.284283
0.006336	0.89138	0.041049	0.37612	0.110168	0.01724	-0.053	0.25304	-0.06159
0.014695	0.75145	-0.13294	0.004	0.088953	0.05474	-0.17381	0.00016	0.083339
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-0.08687	0.06067	-0.08272	0.07414	-0.12449	0.00707	-0.03493	0.45141	-0.00066
-0.06609	0.15387	-0.04301	0.35372	-0.21347	3.25E-06	-0.0546	0.23894	0.019053
-0.0492	0.28864	-0.0353	0.44669	-0.03021	0.51484	-0.14835	0.0013	0.042581
-0.08988	0.05224	-0.11853	0.01036	-0.06215	0.18	-0.12202	0.0083	0.044544
-0.01566	0.73573	-0.13988	0.00245	0.013341	0.7737	-0.14008	0.00241	0.092087
-0.13541	0.00337	-0.15765	0.00063	-0.17427	0.00015	-0.1545	0.00081	-0.02913
-0.02096	0.65143	-0.02601	0.57497	0.13984	0.00246	-0.07566	0.10246	-0.00903
-0.03015	0.51577	0.108016	0.01955	0.008161	0.86039	0.128697	0.00535	0.017692
-0.01631	0.72515	-0.01181	0.79902	0.060922	0.18877	-0.08705	0.06014	0.021235
-0.02186	0.63746	-0.14949	0.0012	-0.02633	0.57034	-0.24537	7.85E-08	0.078488
-0.01063	0.81883	-0.08925	0.05392	0.108021	0.01955	-0.1803	8.92E-05	-0.02415
0.054173	0.24264	0.013035	0.77876	0.104921	0.02336	-0.08825	0.05668	-0.06613
-0.00921	0.84266	-0.13425	0.00366	0.005469	0.90617	-0.10268	0.0265	0.173501
-0.06032	0.19322	-0.17672	0.00012	0.020633	0.65651	-0.163	0.00041	0.18484
-0.03258	0.48239	-0.24334	1.01E-07	-0.08935	0.05365	-0.28872	2.04E-10	-0.06314
-0.01686	0.71623	-0.17376	0.00016	-0.04609	0.32024	-0.17523	0.00014	0.140644
-0.05797	0.21114	-0.07246	0.11788	0.012005	0.79583	-0.11509	0.01282	0.071708
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0.046077	0.32042	-0.12126	0.00871	-0.02749	0.55347	-0.07311	0.11462	0.121881
-0.00466	0.92005	-0.02547	0.58302	0.068573	0.13897	-0.06169	0.18327	0.018454
0.065799	0.15571	-0.06063	0.19093	0.129718	0.00499	-0.08746	0.05896	0.083277
-0.03225	0.48685	-0.11392	0.01377	-0.03032	0.51335	-0.20016	1.31E-05	-0.05352
-0.03549	0.44414	-0.10763	0.01999	0.044076	0.34191	-0.10689	0.02087	0.141686
-0.12964	0.00502	0.01961	0.67253	-0.22442	9.61E-07	-0.07869	0.08941	-0.08991
-0.02982	0.52039	-0.00197	0.96609	0.089557	0.05311	-0.03514	0.44865	0.003194
-0.07473	0.10679	-0.20349	9.33E-06	-0.07731	0.09519	-0.23218	3.90E-07	0.163754
0.020096	0.6649	0.06002	0.19541	0.239536	1.61E-07	0.055698	0.22961	0.094633
-0.11242	0.01507	0.022707	0.62452	-0.11198	0.01548	-0.04631	0.31799	0.012587
-0.06239	0.1783	-0.10739	0.02028	-0.01541	0.73971	-0.13377	0.00378	0.090221
-0.06809	0.1418	0.04767	0.30396	-0.05505	0.2351	-0.05171	0.26472	-0.12316
-0.04291	0.35481	-0.07104	0.12529	-0.07073	0.12691	-0.09231	0.04617	-0.01731
0.086839	0.06077	-0.00635	0.89123	0.194661	2.28E-05	0.018841	0.68466	0.200334
-0.07988	0.08463	-0.09112	0.04907	0.050748	0.27376	-0.03469	0.45457	0.162743
0.137004	0.00301	0.101282	0.02863	0.191643	3.06E-05	0.020992	0.65092	0.237694
-0.0606	0.19109	0.013153	0.7768	0.11861	0.01031	0.006961	0.88074	0.164192
-0.12958	0.00504	-0.11711	0.01132	-0.00575	0.90136	-0.00822	0.85932	0.128889
-0.04355	0.34773	0.015382	0.74023	0.068332	0.14037	0.031943	0.49106	0.00847
0.022378	0.62955	0.066107	0.15378	0.165462	0.00033	0.107694	0.01992	0.194898
-0.05862	0.20605	-0.01591	0.73167	-0.01708	0.71275	-0.0302	0.51506	0.070467
-0.01772	0.70253	0.044572	0.3365	0.097118	0.0359	0.08122	0.07954	0.130262
-0.09314	0.04424	-0.19213	2.92E-05	-0.189	3.95E-05	-0.2329	3.59E-07	-0.02994
0.120997	0.00886	0.097038	0.03605	0.292483	1.15E-10	0.114052	0.01366	0.087011
-0.07948	0.08621	-0.13593	0.00325	-0.01306	0.77833	-0.18832	4.22E-05	0.02469
-0.05563	0.2302	-0.11481	0.01304	0.055043	0.23515	-0.0788	0.08893	0.125725

-0.09899	0.03247	-0.08127	0.07937	-0.12335	0.00761	-0.04496	0.33227	-0.01398
0.066937	0.14866	0.073378	0.11329	0.207724	6.00E-06	0.114365	0.0134	0.139656
-0.08361	0.07104	-0.04684	0.31245	-0.09604	0.03801	-0.00577	0.9011	-0.01506
0.061413	0.18523	-0.03338	0.47181	0.199998	1.33E-05	-0.06961	0.13307	0.234468
-0.06722	0.14693	-0.04378	0.34516	-0.03742	0.41983	-0.01965	0.67182	-0.02522
-0.03249	0.4837	-0.0564	0.22379	-0.14792	0.00135	-0.02629	0.57097	-0.05655
0.085769	0.06404	0.019459	0.6749	0.193266	2.61E-05	0.009793	0.83283	0.104349
0.008656	0.85201	0.159346	0.00055	0.001675	0.97121	0.152077	0.00098	0.09125
0.002279	0.96083	-0.10142	0.02842	0.01002	0.82902	-0.19751	1.71E-05	0.029297
-0.02302	0.61979	-0.07846	0.09032	0.076912	0.0969	-0.08823	0.05675	0.151468
-0.11152	0.01591	-0.17005	0.00022	-0.24387	9.47E-08	-0.18283	7.07E-05	-0.06215
-0.01798	0.69835	-0.18092	8.43E-05	-0.03099	0.50412	-0.18379	6.46E-05	-0.16098
-0.00911	0.8443	-0.10134	0.02855	0.014217	0.75928	-0.11515	0.01277	-0.00289
-0.0188	0.68529	-0.10563	0.02243	0.063088	0.1735	-0.15038	0.00112	0.010848
-0.007	0.88008	-0.0986	0.03315	-0.05669	0.22139	-0.04159	0.36984	0.057376
-0.05225	0.25982	-0.16973	0.00023	-0.02303	0.61962	-0.18143	8.05E-05	-0.0869
-0.05759	0.21419	-0.04426	0.33993	-0.24154	1.26E-07	-0.02373	0.60907	-0.27771
-0.02162	0.64127	-0.12175	0.00845	0.093952	0.04242	-0.14289	0.00197	0.100015
-0.03365	0.46821	-0.05689	0.21979	-0.0658	0.15571	-0.00824	0.85902	0.063217
-0.09257	0.04557	-0.05448	0.24	-0.09634	0.03742	0.010481	0.82127	-0.07407
-0.05144	0.26731	-0.13866	0.00267	-0.05684	0.22022	-0.1518	0.001	0.182245
0.048209	0.29852	-0.04892	0.29143	0.090456	0.05076	-0.14252	0.00202	-0.07042
-0.03267	0.48125	0.028325	0.54148	-0.15061	0.0011	0.077996	0.09227	-0.04763
-0.06531	0.15883	0.041285	0.37338	0.05431	0.24145	0.045181	0.32993	-0.025
-0.12781	0.00567	-0.16062	0.00049	-0.16442	0.00036	-0.16152	0.00046	-0.08962
0.10826	0.01928	0.193732	2.49E-05	0.204805	8.14E-06	0.23354	3.32E-07	-0.0055
-0.07021	0.12978	-0.07191	0.12071	-0.04319	0.3517	-0.09241	0.04593	0.003931
-0.0308	0.50676	0.083344	0.07196	0.101766	0.02788	0.050708	0.27414	-0.08736
-0.01653	0.72156	-0.08502	0.06639	0.085457	0.06501	-0.12729	0.00588	0.023472
0.038545	0.40595	0.129135	0.00519	0.071871	0.1209	0.177421	0.00012	0.065332
-0.00648	0.88898	-0.22601	8.02E-07	0.001452	0.97504	-0.28183	5.64E-10	0.156366
-0.08448	0.06814	-0.03352	0.46989	-0.07308	0.11476	-0.14651	0.0015	0.072899
-0.03281	0.47941	-0.01918	0.67936	0.053158	0.25159	-0.08094	0.08059	0.004466
-0.04511	0.33068	-0.05443	0.24042	0.071762	0.12147	-0.2208	1.45E-06	-0.07708
-0.07902	0.08807	0.00433	0.92565	-0.13816	0.00277	-0.05932	0.20071	-0.10387
0.00027	0.99535	-0.08325	0.0723	0.067721	0.14395	-0.07939	0.08657	0.203786
-0.03072	0.50784	-0.18704	4.76E-05	-0.05878	0.20479	-0.11776	0.01087	0.200985
-0.02719	0.55784	0.026355	0.56996	0.056602	0.22213	-0.03282	0.47921	-0.0255
-0.06036	0.1929	-0.14227	0.00206	-0.00416	0.92864	-0.18041	8.83E-05	0.139814
-0.09495	0.04027	-0.24077	1.39E-07	-0.16753	0.00028	-0.24658	6.74E-08	-0.02421
-0.08302	0.07306	-0.1385	0.0027	-0.20532	7.72E-06	-0.13737	0.00293	-0.12821
-0.01709	0.71265	-0.00374	0.93576	0.063293	0.1721	-0.04346	0.34868	0.055233
-0.02989	0.5193	-0.12386	0.00736	-0.06458	0.16352	-0.13633	0.00316	0.103081
-0.0955	0.03911	-0.09947	0.03162	-0.13602	0.00323	-0.11989	0.00951	-0.01266
-0.02363	0.61058	-0.0078	0.86653	0.067019	0.14817	-0.00676	0.8842	0.076824



-0.15983	0.00053	-0.19385	2.47E-05	-0.25499	2.29E-08	-0.2143	2.97E-06	-0.14975
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0.114667	0.01316	0.158188	0.0006	0.24079	1.38E-07	0.023913	0.60623	-0.0182
0.025851	0.57736	0.089088	0.05437	0.171198	0.0002	-0.00209	0.96413	-0.11289
0.013087	0.77789	-0.04327	0.35084	0.166049	0.00031	-0.07276	0.11638	-0.00805
0.042425	0.36032	0.228501	6.01E-07	0.247197	6.24E-08	0.090517	0.0506	-0.09767
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-0.0289	0.53332	0.022124	0.63345	0.125257	0.00672	-0.03782	0.41481	0.04152
-0.09198	0.04697	-0.0661	0.15379	0.1184	0.01044	-0.15976	0.00053	-0.02123
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0.070766	0.12674	0.146421	0.00151	0.261044	1.03E-08	0.123557	0.00751	0.06759
-0.04755	0.30521	0.05843	0.20753	-0.0292	0.52901	-0.03571	0.44142	-0.13257
-0.01965	0.67187	0.047743	0.30322	0.15514	0.00077	-0.09417	0.04194	-0.17658
0.097337	0.03548	0.253626	2.74E-08	0.348631	8.59E-15	0.227676	6.61E-07	0.15179
0.020984	0.65105	0.050627	0.27491	0.227416	6.81E-07	0.041442	0.37156	-0.01144
0.011967	0.79647	0.224013	1.01E-06	0.315116	3.17E-12	0.068893	0.13713	-0.10596
-0.06957	0.13332	0.075441	0.10347	0.049627	0.28451	-0.00758	0.87023	-0.18096
-0.06146	0.18492	0.036231	0.43474	0.100456	0.02997	-0.05936	0.2004	-0.16463
-0.03994	0.38918	0.111168	0.01624	0.217806	2.02E-06	0.006983	0.88036	-0.11283
-0.01051	0.82082	0.043534	0.34788	0.17264	0.00018	-0.06136	0.1856	0.080502
-0.07372	0.11159	0.026637	0.56585	0.070544	0.12794	-0.02871	0.53596	0.042974
-0.04145	0.37145	0.035023	0.45022	0.09489	0.04039	-0.05829	0.2086	-0.14884
-0.02785	0.54831	0.035898	0.43897	0.168263	0.00026	-0.0649	0.16146	-0.07466
-0.04321	0.3515	0.120939	0.00889	0.074864	0.10615	0.059062	0.20265	-0.0727
-0.04433	0.33918	0.123187	0.0077	0.061786	0.18257	0.080635	0.08173	-0.12531
0.00109	0.98126	0.109311	0.01813	0.233283	3.43E-07	-0.0041	0.92953	-0.0877
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-0.06287	0.17498	0.16012	0.00051	0.17578	0.00013	0.042827	0.35577	-0.10302
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-0.05288	0.25408	0.114662	0.01316	0.067824	0.14334	0.03786	0.41435	-0.18306
0.008858	0.84859	0.034587	0.45588	0.143475	0.00188	-0.06335	0.17171	-0.05088
0.087975	0.05747	0.186426	5.05E-05	0.303882	1.96E-11	0.015634	0.73613	0.003925
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0.008196	0.85979	0.011303	0.80754	0.17929	9.79E-05	-0.09503	0.0401	-0.13823
0.119611	0.00968	0.045896	0.32233	0.277778	1.01E-09	0.08821	0.0568	0.027848
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0.024656	0.59509	0.117248	0.01122	0.25332	2.85E-08	0.008988	0.8464	-0.03014
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-0.07164	0.12211	0.008186	0.85995	0.030357	0.51284	-0.00529	0.90923	-0.07422
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0.014845	0.74899	0.035543	0.44351	0.002494	0.95714	-0.03741	0.41988	-0.07728
0.047575	0.30493	0.014222	0.7592	0.139672	0.00249	-0.1372	0.00297	-0.10961
0.039258	0.39732	0.053357	0.24982	0.186735	4.90E-05	-0.01022	0.82571	-0.02753
-0.02723	0.55726	0.045528	0.32623	0.10452	0.02389	0.029576	0.52375	-0.04172
0.068818	0.13756	0.284063	4.07E-10	0.319616	1.50E-12	0.21732	2.13E-06	-0.08836
-0.01677	0.71771	-0.03029	0.51381	0.035052	0.44985	-0.1002	0.03039	-0.11653
-0.0462	0.31915	0.128357	0.00547	0.122579	0.008	0.027091	0.55923	-0.10403
-0.02777	0.54948	0.064716	0.16264	-0.01326	0.77509	0.064827	0.16192	-0.057
-0.0096	0.83607	0.070183	0.1299	0.121206	0.00874	0.063528	0.17051	0.031731
0.037732	0.41594	0.163958	0.00037	0.209093	5.19E-06	0.007795	0.86658	-0.12408
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0.107608	0.02002	0.354172	3.01E-15	0.424917	6.74E-22	0.147384	0.0014	0.0457
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0.018437	0.69108	0.082635	0.07442	0.196537	1.89E-05	0.010577	0.81967	-0.05131
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-0.02456	0.59649	0.195854	2.02E-05	0.127069	0.00596	0.090073	0.05175	-0.17134
-0.06025	0.19367	0.131679	0.00437	0.175963	0.00013	0.090141	0.05157	-0.03332
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0.007689	0.86839	0.091817	0.04736	0.104067	0.02451	0.02534	0.58491	-0.05524
-0.03183	0.49262	-0.01287	0.7814	0.060037	0.19528	-0.00484	0.91685	-0.12
0.01329	0.77454	0.115934	0.01217	0.279547	7.85E-10	0.015635	0.73612	-0.05851
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0.017277	0.70961	0.130491	0.00474	0.097704	0.03479	0.125414	0.00665	0.070063
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-0.01136	0.80654	0.00054	0.99071	0.145175	0.00166	-0.0525	0.25756	-0.0753
-0.00226	0.96123	0.08212	0.07625	0.266916	4.65E-09	-0.00454	0.92201	-0.01474
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0.00634	0.89131	0.137346	0.00294	0.185499	5.51E-05	0.050533	0.2758	-0.13541
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0.168076	0.00026	0.580517	2.01E-43	0.494713	3.37E-30	0.664268	9.38E-61	0.216241
0.040796	0.37907	0.42088	1.79E-21	0.422046	1.35E-21	0.616714	2.84E-50	0.286085
0.207073	6.43E-06	0.608735	1.09E-48	0.756506	8.47E-88	0.795275	#####	0.365866
0.093845	0.04266	0.447466	2.26E-24	0.560651	5.18E-40	0.66162	4.04E-60	0.325685
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0.392734	1.13E-18	0.288821	2.01E-10	0.352593	4.07E-15	0.409597	2.56E-20	0.229358
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0.073309	0.11363	0.53379	9.42E-36	0.680308	9.71E-65	0.72153	2.95E-76	0.266046
0.271277	2.54E-09	0.816079	#####	0.77744	1.09E-95	0.816166	#####	0.172086
0.115998	0.01212	0.66445	8.48E-61	0.588472	7.45E-45	0.815574	#####	0.246579
0.15881	0.00057	0.558631	1.12E-39	0.501501	4.11E-31	0.707892	3.18E-72	0.277405
0.520058	1.02E-33	0.470877	3.80E-27	0.503506	2.19E-31	0.602519	1.75E-47	0.144849

0.581555	1.32E-43	0.400142	2.20E-19	0.508276	4.80E-32	0.523371	3.36E-34	0.176376
0.122383	0.00811	0.498371	1.09E-30	0.420596	1.92E-21	0.668309	9.81E-62	0.319437
0.124081	0.00726	0.379975	1.73E-17	0.239787	1.57E-07	0.44346	6.41E-24	0.247736
0.156276	0.0007	0.456448	2.06E-25	0.364871	3.75E-16	0.554371	5.56E-39	0.214638
0.106567	0.02126	0.385413	5.49E-18	0.322952	8.50E-13	0.401193	1.74E-19	0.207504
0.341386	3.28E-14	0.351746	4.78E-15	0.263916	7.00E-09	0.383828	7.69E-18	0.06981
0.195415	2.11E-05	0.622806	1.62E-51	0.713273	8.71E-74	0.746811	2.08E-84	0.283817
0.100214	0.03037	0.360332	9.16E-16	0.442387	8.46E-24	0.506572	8.28E-32	0.324239
0.114868	0.013	0.580748	1.83E-43	0.542844	3.81E-37	0.604045	8.93E-48	0.171039
0.159574	0.00054	0.541649	5.85E-37	0.428395	2.88E-22	0.559122	9.27E-40	0.329809
0.195444	2.11E-05	0.674923	2.26E-63	0.711851	2.27E-73	0.794564	#####	0.284418
0.124358	0.00713	0.325132	5.85E-13	0.310083	7.25E-12	0.365078	3.60E-16	0.017326
0.171411	0.0002	0.711677	2.55E-73	0.70004	5.26E-70	0.880284	#####	0.339155
0.167652	0.00027	0.714192	4.67E-74	0.717358	5.36E-75	0.880016	#####	0.319574
0.148806	0.00126	0.676412	9.51E-64	0.699779	6.22E-70	0.860412	#####	0.362543
0.194323	2.35E-05	0.516504	3.31E-33	0.450703	9.61E-25	0.612467	2.01E-49	0.389999
0.05143	0.26736	0.19456	2.30E-05	0.26625	5.09E-09	0.390705	1.76E-18	0.286381
0.217986	1.98E-06	0.364551	4.00E-16	0.488274	2.38E-29	0.522642	4.29E-34	0.167336
0.15148	0.00102	0.366631	2.64E-16	0.451042	8.78E-25	0.527561	8.10E-35	0.208471
0.099756	0.03114	0.300561	3.32E-11	0.224044	1.00E-06	0.480935	2.10E-28	0.307158
0.136999	0.00301	0.500302	5.98E-31	0.424798	6.94E-22	0.505679	1.10E-31	0.347475
0.092174	0.0465	0.643983	4.69E-56	0.554536	5.23E-39	0.689363	4.20E-67	0.40121
0.101088	0.02894	0.332076	1.74E-13	0.274555	1.60E-09	0.498384	1.09E-30	0.270884
0.101471	0.02834	0.579184	3.47E-43	0.658037	2.85E-59	0.666817	2.27E-61	0.582395
0.084016	0.06969	0.529013	4.92E-35	0.319252	1.59E-12	0.562211	2.85E-40	0.109283
0.273226	1.93E-09	0.394865	7.10E-19	0.363397	5.02E-16	0.372409	8.24E-17	0.026016
0.192924	2.70E-05	0.526312	1.24E-34	0.522705	4.20E-34	0.535029	6.11E-36	0.184434
0.016974	0.71448	0.413945	9.29E-21	0.471563	3.13E-27	0.488299	2.36E-29	0.266792
0.055442	0.23176	0.395367	6.35E-19	0.263033	7.89E-09	0.413073	1.14E-20	0.31659
0.166502	0.0003	0.648593	4.31E-57	0.594097	6.84E-46	0.750161	1.46E-85	0.283231
0.107738	0.01987	0.53725	2.80E-36	0.49813	1.18E-30	0.636172	2.44E-54	0.204764
0.183152	6.86E-05	0.824179	#####	0.76913	1.85E-92	0.784488	1.52E-98	0.318138
0.117144	0.01129	0.671786	1.37E-62	0.652128	6.72E-58	0.718086	3.24E-75	0.297818
0.031077	0.5029	0.27906	8.43E-10	0.34838	9.00E-15	0.356415	1.96E-15	0.313639
0.087638	0.05843	0.392529	1.18E-18	0.448004	1.96E-24	0.475864	9.15E-28	0.48492
0.12155	0.00855	0.585808	2.27E-44	0.62825	1.19E-52	0.87101	#####	0.255711
0.409701	2.50E-20	0.402742	1.23E-19	0.521164	7.05E-34	0.514823	5.75E-33	0.114748
0.113824	0.01385	0.367349	2.29E-16	0.423806	8.83E-22	0.46992	4.99E-27	0.023276
0.09513	0.03989	0.291773	1.29E-10	0.433018	9.14E-23	0.430924	1.54E-22	0.120427
0.128787	0.00532	0.598065	1.23E-46	0.688895	5.59E-67	0.844047	#####	0.290086
0.320635	1.26E-12	0.557348	1.82E-39	0.67884	2.30E-64	0.790849	#####	0.293768
0.105539	0.02255	0.302489	2.45E-11	0.450799	9.37E-25	0.46679	1.20E-26	0.338577
0.248399	5.36E-08	0.433627	7.85E-23	0.518919	1.49E-33	0.579836	2.66E-43	0.130212
0.321979	1.00E-12	0.766142	2.50E-91	0.784699	1.24E-98	0.902399	#####	0.260801
0.434431	6.41E-23	0.653779	2.80E-58	0.802726	#####	0.828256	#####	0.301054

0.171988	0.00019	0.419699	2.38E-21	0.447812	2.06E-24	0.4718	2.93E-27	0.400548
0.136955	0.00302	0.406016	5.82E-20	0.422291	1.27E-21	0.522062	5.21E-34	0.207246
0.218067	1.96E-06	0.695828	7.60E-69	0.572991	4.20E-42	0.753702	8.41E-87	0.284949
0.067286	0.14655	0.532849	1.31E-35	0.461295	5.51E-26	0.659394	1.36E-59	0.328354
0.056286	0.22473	0.212965	3.43E-06	0.270461	2.85E-09	0.367171	2.37E-16	0.081507
0.128364	0.00547	0.598148	1.19E-46	0.518514	1.70E-33	0.638599	7.23E-55	0.134836
0.090258	0.05127	0.380668	1.50E-17	0.231702	4.13E-07	0.392935	1.08E-18	-0.03757
0.398091	3.48E-19	0.433109	8.93E-23	0.454198	3.78E-25	0.468618	7.20E-27	0.07474
0.134159	0.00368	0.514156	7.15E-33	0.587831	9.75E-45	0.616598	2.99E-50	0.479029
0.255151	2.25E-08	0.62447	7.35E-52	0.651997	7.20E-58	0.684051	1.05E-65	0.077036
0.323134	8.24E-13	0.53785	2.26E-36	0.653638	3.02E-58	0.669112	6.24E-62	0.292937
0.371013	1.09E-16	0.204376	8.51E-06	0.275801	1.34E-09	0.333715	1.30E-13	-0.01575
0.010893	0.81439	0.337714	6.38E-14	0.273334	1.90E-09	0.380958	1.41E-17	0.156844
0.033345	0.47223	0.306988	1.20E-11	0.438549	2.26E-23	0.511205	1.87E-32	0.399844
0.174979	0.00014	0.6037	1.04E-47	0.755411	2.08E-87	0.828939	#####	0.282787
0.195291	2.14E-05	0.38529	5.64E-18	0.511789	1.55E-32	0.569034	2.01E-41	0.250375
0.127317	0.00587	0.380863	1.44E-17	0.399196	2.72E-19	0.435228	5.25E-23	0.264345
0.113414	0.0142	0.48786	2.69E-29	0.304094	1.90E-11	0.450391	1.04E-24	0.179089
0.048179	0.29882	0.167322	0.00028	0.231741	4.11E-07	0.379601	1.87E-17	0.126844
0.069319	0.13471	0.292288	1.19E-10	0.247429	6.06E-08	0.548214	5.43E-38	0.274052
0.118921	0.01011	0.284077	4.06E-10	0.233592	3.30E-07	0.464716	2.14E-26	0.129325
0.078425	0.09049	0.290004	1.68E-10	0.338477	5.56E-14	0.483355	1.03E-28	0.438343
0.220135	1.56E-06	0.840433	#####	0.810769	#####	0.923584	#####	0.306214
0.197353	1.74E-05	0.828153	#####	0.73492	1.86E-80	0.868972	#####	0.251075
0.212544	3.59E-06	0.696177	6.10E-69	0.563694	1.61E-40	0.707487	4.16E-72	0.226643
0.311904	5.39E-12	0.658488	2.23E-59	0.648692	4.09E-57	0.70522	1.85E-71	0.129855
0.158925	0.00057	0.612256	2.21E-49	0.545081	1.70E-37	0.708853	1.68E-72	0.285688
0.005609	0.90378	0.41705	4.47E-21	0.230155	4.96E-07	0.49188	8.01E-30	0.14772
0.364619	3.94E-16	0.438375	2.37E-23	0.500579	5.49E-31	0.564497	1.18E-40	0.23883
0.185766	5.37E-05	0.725116	2.34E-77	0.677263	5.80E-64	0.766881	1.32E-91	0.399738
0.112207	0.01527	0.344624	1.81E-14	0.269851	3.10E-09	0.396877	4.55E-19	-0.01186
0.001944	0.96659	0.056114	0.22615	0.198746	1.51E-05	0.165479	0.00033	0.008323
0.166068	0.00031	0.741558	1.23E-82	0.761788	1.03E-89	0.890916	#####	0.340577
0.198178	1.60E-05	0.699461	7.61E-70	0.698125	1.78E-69	0.846708	#####	0.297609
0.269139	3.42E-09	0.675195	1.93E-63	0.679662	1.42E-64	0.784134	2.13E-98	0.320523
0.219425	1.69E-06	0.578201	5.17E-43	0.742201	7.50E-83	0.801555	#####	0.297032
0.236085	2.45E-07	0.510307	2.50E-32	0.602521	1.75E-47	0.66032	8.23E-60	0.228735
0.201236	1.18E-05	0.845722	#####	0.758789	1.28E-88	0.932489	#####	0.280659
0.051613	0.26566	0.192553	2.80E-05	0.252477	3.18E-08	0.341676	3.11E-14	0.091555
0.140856	0.00228	0.533033	1.23E-35	0.372786	7.63E-17	0.557611	1.64E-39	0.123936
0.099159	0.03216	0.371732	9.46E-17	0.271601	2.43E-09	0.384986	6.01E-18	0.18831
0.240195	1.49E-07	0.43713	3.25E-23	0.463019	3.43E-26	0.508463	4.52E-32	0.074076
0.140322	0.00237	0.402443	1.31E-19	0.627205	1.98E-52	0.658557	2.15E-59	0.236782
0.199859	1.35E-05	0.314652	3.43E-12	0.310069	7.27E-12	0.459492	9.03E-26	0.16098
0.078068	0.09197	0.673877	4.12E-63	0.51996	1.05E-33	0.741675	1.12E-82	0.208797

0.100979	0.02912	0.480257	2.56E-28	0.374657	5.21E-17	0.534737	6.77E-36	0.149715
-0.06841	0.13989	0.301152	3.02E-11	0.39425	8.12E-19	0.413624	1.00E-20	0.182043
0.104722	0.02362	0.296011	6.73E-11	0.278126	9.64E-10	0.379443	1.93E-17	0.178614
0.266099	5.20E-09	0.37952	1.90E-17	0.415895	5.87E-21	0.445714	3.57E-24	0.144403
0.08052	0.08217	0.37956	1.89E-17	0.336033	8.63E-14	0.534622	7.04E-36	0.162417
0.110853	0.01655	0.491595	8.73E-30	0.60036	4.53E-47	0.767599	7.07E-92	0.298747
0.069968	0.13109	0.385132	5.83E-18	0.344521	1.84E-14	0.577597	6.61E-43	0.070744
0.220024	1.58E-06	0.810119	#####	0.869844	#####	0.90493	#####	0.401315
0.20605	7.15E-06	0.571741	6.91E-42	0.669283	5.66E-62	0.775377	7.09E-95	0.329784
0.2632	7.71E-09	0.64642	1.33E-56	0.6633	1.60E-60	0.833991	#####	0.289505
0.053105	0.25207	0.497381	1.48E-30	0.447774	2.08E-24	0.61293	1.62E-49	0.349865
0.06473	0.16255	0.297155	5.64E-11	0.319686	1.48E-12	0.362346	6.18E-16	0.167367
0.139331	0.00255	0.482976	1.15E-28	0.589768	4.32E-45	0.596274	2.68E-46	0.450289
0.131119	0.00454	0.63254	1.47E-53	0.677067	6.50E-64	0.70845	2.20E-72	0.351694
0.110192	0.01721	0.636841	1.74E-54	0.637626	1.18E-54	0.765675	3.74E-91	0.33037
0.178562	0.0001	0.720432	6.36E-76	0.740609	2.54E-82	0.809152	#####	0.333505
0.128874	0.00528	0.39267	1.15E-18	0.440687	1.31E-23	0.484329	7.71E-29	0.189817
0.071115	0.12487	0.535448	5.27E-36	0.478924	3.77E-28	0.650448	1.63E-57	0.320707
0.109925	0.01749	0.397406	4.05E-19	0.419162	2.70E-21	0.511718	1.58E-32	0.18137
0.103811	0.02487	0.556542	2.46E-39	0.625953	3.61E-52	0.684868	6.42E-66	0.421063
0.084765	0.06722	0.541988	5.18E-37	0.538689	1.68E-36	0.706941	5.96E-72	0.387748
0.079423	0.08645	0.476709	7.17E-28	0.507772	5.64E-32	0.612786	1.74E-49	0.379438
0.12891	0.00527	0.686779	2.02E-66	0.449866	1.20E-24	0.663539	1.40E-60	0.132689
0.150115	0.00114	0.439951	1.58E-23	0.499152	8.57E-31	0.569041	2.01E-41	0.235053
0.297176	5.62E-11	0.352709	3.98E-15	0.391774	1.40E-18	0.401095	1.78E-19	0.074297
0.169211	0.00024	0.472978	2.09E-27	0.426236	4.89E-22	0.571314	8.18E-42	0.40198
0.160621	0.00049	0.567576	3.56E-41	0.394837	7.14E-19	0.608369	1.29E-48	0.267926
0.323438	7.82E-13	0.733649	4.77E-80	0.792428	#####	0.807984	#####	0.172341
0.160596	0.00049	0.495667	2.52E-30	0.491906	7.95E-30	0.545317	1.56E-37	0.200206
0.327262	4.05E-13	0.483703	9.29E-29	0.388527	2.82E-18	0.489318	1.74E-29	0.167543
0.055182	0.23396	0.557859	1.50E-39	0.405811	6.10E-20	0.636016	2.63E-54	0.236543
0.029516	0.52459	0.316876	2.37E-12	0.295896	6.85E-11	0.544232	2.31E-37	0.35841
0.162716	0.00041	0.264449	6.51E-09	0.170081	0.00022	0.25791	1.56E-08	0.165418
0.069818	0.13192	0.634521	5.53E-54	0.580694	1.87E-43	0.66411	1.02E-60	0.510635
0.128496	0.00542	0.38326	8.67E-18	0.370943	1.11E-16	0.506409	8.72E-32	0.337771
0.272701	2.08E-09	0.527048	9.65E-35	0.66539	5.03E-61	0.748058	7.76E-85	0.190906
0.27999	7.37E-10	0.68417	9.76E-66	0.735291	1.41E-80	0.810062	#####	0.256413
0.195962	2.00E-05	0.767291	9.24E-92	0.787559	#####	0.912299	#####	0.296708
0.218254	1.92E-06	0.619927	6.32E-51	0.538963	1.53E-36	0.59573	3.39E-46	0.279105
0.242682	1.10E-07	0.673849	4.19E-63	0.608819	1.05E-48	0.659925	1.02E-59	0.239818
0.07828	0.09108	0.225945	8.07E-07	0.310058	7.28E-12	0.353693	3.30E-15	0.185873
0.041128	0.3752	0.402837	1.20E-19	0.29911	4.16E-11	0.450333	1.06E-24	0.449445
0.23376	3.24E-07	0.782119	1.42E-97	0.850227	#####	0.930361	#####	0.328102
0.163948	0.00037	0.766839	1.37E-91	0.784357	1.72E-98	0.918404	#####	0.290795
0.158267	0.0006	0.782405	1.09E-97	0.780812	4.83E-97	0.896164	#####	0.308624

0.278211	9.52E-10	0.626573	2.68E-52	0.529639	3.97E-35	0.642171	1.18E-55	0.137906
0.429998	1.94E-22	0.562324	2.73E-40	0.70768	3.66E-72	0.711621	2.65E-73	0.211107
0.340352	3.96E-14	0.467123	1.10E-26	0.606192	3.43E-48	0.696079	6.49E-69	0.233789
0.209688	4.87E-06	0.581273	1.48E-43	0.530562	2.89E-35	0.586578	1.65E-44	0.224372
0.156728	0.00068	0.504261	1.72E-31	0.58066	1.90E-43	0.693718	2.85E-68	0.283145
0.422724	1.15E-21	0.5534	7.99E-39	0.677006	6.73E-64	0.68172	4.21E-65	0.273105
0.303237	2.18E-11	0.789024	#####	0.820392	#####	0.88951	#####	0.319353
0.228323	6.14E-07	0.723446	7.66E-77	0.76042	3.27E-89	0.840197	#####	0.312188
0.366408	2.76E-16	0.628619	9.99E-53	0.689982	2.87E-67	0.757643	3.31E-88	0.216538
0.252401	3.21E-08	0.726443	9.07E-78	0.7853	7.01E-99	0.881891	#####	0.354406
0.052653	0.25613	0.395401	6.31E-19	0.185423	5.55E-05	0.380475	1.56E-17	0.148193
0.050484	0.27627	0.445835	3.46E-24	0.403063	1.14E-19	0.471439	3.24E-27	0.226286
0.257846	1.58E-08	0.652946	4.36E-58	0.730607	4.46E-79	0.897328	#####	0.309106
0.112817	0.01472	0.775096	9.15E-95	0.670845	2.34E-62	0.793936	#####	0.235008
0.181307	8.14E-05	0.740409	2.96E-82	0.676198	1.08E-63	0.897953	#####	0.224901
0.048407	0.29654	0.528455	5.96E-35	0.389948	2.07E-18	0.656492	6.55E-59	0.243813
0.173308	0.00017	0.646447	1.32E-56	0.728067	2.82E-78	0.82507	#####	0.33708
0.172916	0.00017	0.350437	6.12E-15	0.428372	2.89E-22	0.551463	1.64E-38	0.152428
0.004533	0.92218	0.182838	7.06E-05	0.23981	1.56E-07	0.39131	1.54E-18	0.067224
0.134458	0.0036	0.489959	1.43E-29	0.590559	3.09E-45	0.65088	1.30E-57	0.298654
0.263322	7.58E-09	0.46935	5.86E-27	0.465604	1.67E-26	0.542852	3.80E-37	0.213075
0.130225	0.00482	0.447203	2.42E-24	0.428702	2.67E-22	0.608678	1.12E-48	0.184425
0.213914	3.09E-06	0.838118	#####	0.783773	2.99E-98	0.917074	#####	0.243243
0.197944	1.64E-05	0.254799	2.35E-08	0.297278	5.53E-11	0.388126	3.07E-18	0.236468
0.280371	6.97E-10	0.780398	7.09E-97	0.745364	6.45E-84	0.895949	#####	0.330217
0.141146	0.00223	0.766648	1.61E-91	0.67631	1.01E-63	0.871379	#####	0.272591
0.023206	0.61692	0.317835	2.02E-12	0.288899	1.98E-10	0.428635	2.71E-22	0.353657
0.223161	1.11E-06	0.538574	1.75E-36	0.56238	2.67E-40	0.7004	4.18E-70	0.159162
0.070157	0.13005	0.383066	9.03E-18	0.29792	5.01E-11	0.606022	3.70E-48	0.280812
0.260675	1.08E-08	0.611896	2.61E-49	0.514118	7.24E-33	0.69988	5.82E-70	0.155702
0.308001	1.02E-11	0.61581	4.31E-50	0.668176	1.06E-61	0.853361	#####	0.29631
0.021829	0.63798	0.309563	7.89E-12	0.458717	1.12E-25	0.518354	1.80E-33	0.242997
0.102271	0.02711	0.430701	1.63E-22	0.413211	1.10E-20	0.566041	6.48E-41	0.34163
0.043965	0.34313	0.374384	5.51E-17	0.231279	4.34E-07	0.369944	1.36E-16	0.0687
0.332365	1.66E-13	0.723213	9.03E-77	0.696225	5.92E-69	0.76563	3.89E-91	0.176673
0.275647	1.37E-09	0.429816	2.03E-22	0.455797	2.46E-25	0.644971	2.82E-56	0.34291
0.371587	9.74E-17	0.383376	8.46E-18	0.404825	7.64E-20	0.544909	1.81E-37	0.223867
0.198566	1.54E-05	0.696858	3.97E-69	0.655281	1.26E-58	0.724756	3.02E-77	0.245482
0.050845	0.27285	0.396481	4.97E-19	0.385531	5.36E-18	0.467927	8.74E-27	0.154311
0.044519	0.33707	0.346061	1.39E-14	0.210102	4.66E-06	0.343037	2.42E-14	0.060463
0.184095	6.28E-05	0.563973	1.45E-40	0.568047	2.96E-41	0.666462	2.77E-61	0.235821
0.22392	1.02E-06	0.699642	6.78E-70	0.589809	4.24E-45	0.644485	3.62E-56	0.190079
0.166952	0.00029	0.562233	2.82E-40	0.467631	9.50E-27	0.669401	5.30E-62	0.112569
0.018924	0.68335	0.569035	2.01E-41	0.374577	5.29E-17	0.618323	1.34E-50	0.299319
-0.0535	0.24854	0.329853	2.58E-13	0.176944	0.00012	0.419114	2.73E-21	0.460663

-0.00424	0.9272	0.420833	1.81E-21	0.197166	1.77E-05	0.47909	3.59E-28	0.370444
0.195171	2.16E-05	0.469739	5.25E-27	0.559983	6.68E-40	0.659966	9.98E-60	0.311009
0.44008	1.53E-23	0.571553	7.44E-42	0.500502	5.62E-31	0.627519	1.70E-52	0.167994
0.105963	0.02201	0.476529	7.55E-28	0.442482	8.26E-24	0.458688	1.12E-25	0.237543
0.147892	0.00135	0.254156	2.56E-08	0.339997	4.22E-14	0.386354	4.49E-18	0.343818
0.025101	0.58846	0.521687	5.91E-34	0.424365	7.71E-22	0.608009	1.52E-48	0.520627
0.294479	8.52E-11	0.395171	6.63E-19	0.597939	1.30E-46	0.558616	1.12E-39	0.217627
0.254383	2.48E-08	0.55358	7.47E-39	0.57018	1.28E-41	0.670154	3.46E-62	0.283381
0.018476	0.69046	0.265446	5.68E-09	0.267933	4.04E-09	0.461676	4.96E-26	0.345319
0.155416	0.00075	0.358773	1.24E-15	0.30238	2.49E-11	0.512201	1.35E-32	0.266679
0.046136	0.3198	0.235079	2.77E-07	0.230544	4.73E-07	0.406231	5.54E-20	0.105527
0.073841	0.11102	0.385885	4.97E-18	0.319034	1.65E-12	0.490295	1.29E-29	0.383089
0.097086	0.03596	0.424374	7.70E-22	0.37741	2.95E-17	0.479011	3.68E-28	0.161973
0.015697	0.73512	0.463261	3.21E-26	0.562451	2.60E-40	0.612565	1.92E-49	0.323499
0.122466	0.00806	0.597126	1.86E-46	0.675847	1.32E-63	0.71564	1.74E-74	0.228885
0.059998	0.19558	0.489089	1.86E-29	0.293416	1.00E-10	0.467888	8.84E-27	0.037325
0.019022	0.6818	0.33258	1.60E-13	0.345241	1.62E-14	0.460677	6.53E-26	0.131248
0.066145	0.15354	0.295178	7.65E-11	0.318794	1.72E-12	0.369707	1.43E-16	0.374357
0.053277	0.25053	0.377368	2.98E-17	0.461727	4.90E-26	0.599499	6.61E-47	0.355287
0.280633	6.71E-10	0.560087	6.42E-40	0.639268	5.16E-55	0.757955	2.56E-88	0.552086
0.205028	7.96E-06	0.733353	5.93E-80	0.784636	1.32E-98	0.842083	#####	0.328678
0.18518	5.68E-05	0.388572	2.79E-18	0.377724	2.76E-17	0.478672	4.06E-28	0.137045
0.180373	8.87E-05	0.565351	8.47E-41	0.66142	4.51E-60	0.723229	8.93E-77	0.388126
0.178131	0.00011	0.38319	8.80E-18	0.542172	4.85E-37	0.579326	3.28E-43	0.250471
0.326767	4.41E-13	0.607199	2.18E-48	0.758767	1.30E-88	0.833195	#####	0.369295
0.11654	0.01173	0.652527	5.44E-58	0.620973	3.87E-51	0.660393	7.91E-60	0.297399
0.28127	6.12E-10	0.608308	1.33E-48	0.756063	1.22E-87	0.861183	#####	0.322172
0.216953	2.22E-06	0.284889	3.60E-10	0.419521	2.48E-21	0.433833	7.45E-23	0.189333
0.240384	1.46E-07	0.819276	#####	0.79959	#####	0.911662	#####	0.306813
0.042901	0.35494	0.252491	3.17E-08	0.347882	9.88E-15	0.552266	1.22E-38	0.262497
0.159463	0.00054	0.577295	7.47E-43	0.57236	5.40E-42	0.717747	4.10E-75	0.634916
0.138965	0.00262	0.48329	1.05E-28	0.533533	1.03E-35	0.620543	4.73E-51	0.337265
0.261072	1.03E-08	0.531444	2.13E-35	0.666293	3.04E-61	0.751216	6.26E-86	0.239591
0.276187	1.27E-09	0.627971	1.37E-52	0.714548	3.67E-74	0.774782	1.22E-94	0.301719
0.149659	0.00118	0.336205	8.37E-14	0.303552	2.07E-11	0.366232	2.86E-16	0.121222
0.189627	3.72E-05	0.541078	7.18E-37	0.417933	3.62E-21	0.611013	3.90E-49	0.157847
0.172386	0.00018	0.321923	1.01E-12	0.315527	2.96E-12	0.450215	1.09E-24	0.134065
0.090029	0.05186	0.290666	1.52E-10	0.298914	4.29E-11	0.371772	9.38E-17	0.195314
0.148477	0.00129	0.746624	2.40E-84	0.706979	5.81E-72	0.92243	#####	0.303182
0.082842	0.0737	0.405309	6.84E-20	0.33428	1.18E-13	0.402269	1.36E-19	0.11973
0.074422	0.10823	0.407124	4.52E-20	0.328327	3.36E-13	0.45294	5.30E-25	0.105697
0.040512	0.3824	0.498331	1.11E-30	0.544948	1.78E-37	0.684584	7.61E-66	0.165426
0.102089	0.02738	0.466558	1.28E-26	0.303845	1.98E-11	0.524719	2.13E-34	0.168771
0.144725	0.00171	0.422814	1.12E-21	0.448793	1.59E-24	0.530216	3.25E-35	0.280287
0.184324	6.15E-05	0.45536	2.77E-25	0.547319	7.53E-38	0.620976	3.86E-51	0.189828

0.112671	0.01485	0.345781	1.46E-14	0.252813	3.04E-08	0.423803	8.84E-22	0.187093
0.505958	1.01E-31	0.724813	2.90E-77	0.713772	6.21E-74	0.755523	1.90E-87	0.237154
0.354935	2.60E-15	0.543538	2.97E-37	0.536315	3.89E-36	0.603863	9.68E-48	0.294239
0.33973	4.43E-14	0.694346	1.92E-68	0.664373	8.85E-61	0.757215	4.72E-88	0.315031
0.176298	0.00013	0.36736	2.28E-16	0.37327	6.92E-17	0.462002	4.54E-26	0.272969
0.159463	0.00054	0.271942	2.32E-09	0.330929	2.13E-13	0.388384	2.91E-18	0.287969
0.193514	2.55E-05	0.771242	2.88E-93	0.716796	7.89E-75	0.912427	#####	0.254978
0.076451	0.09892	0.533704	9.71E-36	0.374815	5.04E-17	0.547606	6.78E-38	0.186835
0.133724	0.00379	0.713995	5.34E-74	0.706915	6.07E-72	0.759868	5.19E-89	0.312972
0.138341	0.00274	0.614487	7.94E-50	0.39334	9.92E-19	0.620548	4.72E-51	0.09521
0.167676	0.00027	0.375996	3.95E-17	0.299934	3.66E-11	0.37238	8.29E-17	0.076808
0.110449	0.01695	0.438858	2.09E-23	0.46565	1.65E-26	0.684908	6.26E-66	0.205615
0.272347	2.19E-09	0.424039	8.35E-22	0.479581	3.12E-28	0.514976	5.47E-33	0.178711
0.232812	3.62E-07	0.684625	7.43E-66	0.636746	1.83E-54	0.735801	9.62E-81	0.154452
0.078653	0.08955	0.589533	4.77E-45	0.491264	9.65E-30	0.732961	7.93E-80	0.436396
0.130281	0.0048	0.714174	4.73E-74	0.638893	6.23E-55	0.902458	#####	0.295963
0.146508	0.0015	0.581017	1.64E-43	0.599021	8.14E-47	0.665077	5.99E-61	0.432521
0.154112	0.00083	0.382662	9.84E-18	0.299949	3.65E-11	0.42977	2.05E-22	0.294289
0.134985	0.00347	0.607967	1.55E-48	0.425503	5.85E-22	0.587601	1.07E-44	0.018167
0.179368	9.72E-05	0.60061	4.06E-47	0.578548	4.49E-43	0.697155	3.29E-69	0.341304
0.056149	0.22586	0.276268	1.26E-09	0.345681	1.49E-14	0.463352	3.13E-26	0.072705
0.088043	0.05727	0.313543	4.12E-12	0.229535	5.33E-07	0.477928	5.04E-28	0.114129
0.353296	3.56E-15	0.375229	4.63E-17	0.364116	4.36E-16	0.398884	2.91E-19	0.07348
0.197527	1.71E-05	0.397062	4.37E-19	0.390795	1.73E-18	0.554901	4.56E-39	0.420462
-0.03833	0.40859	-0.08869	0.05545	0.133047	0.00397	-0.11855	0.01035	0.178307
-0.02951	0.52463	-0.02299	0.62017	0.068954	0.13678	-0.07479	0.10652	0.091775
-0.0002	0.99659	-0.10853	0.01897	0.12045	0.00918	-0.17438	0.00015	0.113096
0.009662	0.83503	0.110816	0.01659	0.104627	0.02375	0.055078	0.23485	-0.04381
0.018618	0.68821	0.013161	0.77666	0.258872	1.38E-08	-0.08043	0.08251	0.157734
-0.01321	0.77592	-0.08501	0.06643	0.008425	0.85592	-0.15175	0.001	0.059294
-0.03221	0.48743	-0.06661	0.15069	-0.03441	0.45819	-0.16802	0.00027	-0.15569
0.02562	0.58077	-0.02027	0.66224	0.157806	0.00062	-0.11127	0.01614	0.145022
0.016077	0.72895	-0.06165	0.18352	0.141408	0.00219	-0.12743	0.00582	0.116274
-0.01549	0.73855	-0.06472	0.16262	0.067073	0.14784	-0.21055	4.44E-06	0.134935
0.043734	0.34568	-0.00703	0.87956	0.145673	0.0016	-0.16749	0.00028	0.023068
0.068316	0.14046	-0.02186	0.63744	0.242215	1.16E-07	-0.06863	0.13861	0.19183
-0.02497	0.59047	0.002921	0.94981	0.051004	0.27135	-0.10225	0.02713	-0.03536
-0.06665	0.1504	-0.13624	0.00318	-0.12808	0.00557	-0.18551	5.50E-05	0.009603
-0.13914	0.00258	-0.12329	0.00764	-0.06195	0.18139	-0.12987	0.00494	-0.00828
0.052464	0.25785	0.038217	0.40995	0.15226	0.00096	-0.06885	0.13735	0.050346
-0.1061	0.02184	-0.11717	0.01127	-0.08109	0.08002	-0.09526	0.03962	-0.0426
-0.06639	0.15199	-0.15118	0.00105	-0.05431	0.24145	-0.22513	8.87E-07	-0.01382
-0.0468	0.31288	-0.07125	0.12413	0.123494	0.00754	-0.14235	0.00204	0.207287
-0.00837	0.85687	-0.03836	0.40816	0.160196	0.00051	-0.04389	0.34392	0.224785
-0.07036	0.12893	-0.1611	0.00047	-0.07972	0.08526	-0.20325	9.56E-06	-0.01448



-0.02765	0.55114	-0.0196	0.67267	0.112475	0.01502	-0.13843	0.00272	0.007988
-0.0257	0.57961	-0.11719	0.01126	0.031963	0.49079	-0.21681	2.26E-06	0.162501
-0.00358	0.93843	-0.01483	0.74917	0.144169	0.00179	-0.11679	0.01154	0.124266
0.040202	0.38606	0.014001	0.76284	0.165649	0.00032	-0.08914	0.05423	-0.0245
-0.05661	0.2221	-0.05883	0.20442	0.148482	0.00129	-0.12304	0.00777	0.182848
0.002618	0.95501	-0.03565	0.44208	0.161118	0.00047	-0.08275	0.074	0.158088
-0.08578	0.064	-0.09479	0.0406	-0.02837	0.54079	-0.19059	3.39E-05	0.021741
-0.00522	0.91034	-0.08979	0.05249	0.092152	0.04655	-0.1369	0.00303	0.0524
0.077912	0.09262	0.053371	0.2497	0.159355	0.00055	0.034366	0.45877	0.226045
0.011002	0.81257	-0.12767	0.00573	0.05124	0.26913	-0.23585	2.52E-07	0.036035
-0.00974	0.83369	-0.09554	0.03904	0.101007	0.02907	-0.24781	5.77E-08	-0.00415
-0.01793	0.6992	-0.07603	0.10081	-0.0107	0.81757	-0.12719	0.00592	0.08933
-0.04423	0.34024	-0.07726	0.09541	0.013596	0.76949	-0.20001	1.33E-05	0.026295
-0.01643	0.72329	-0.13212	0.00424	0.039217	0.39781	-0.18927	3.85E-05	0.112189
-0.02265	0.6254	0.056664	0.22163	0.048768	0.29294	-0.00683	0.88295	0.045001
0.018998	0.68219	-0.01026	0.82506	0.066875	0.14904	-0.10195	0.0276	-0.06803
-0.06617	0.15338	-0.14674	0.00147	-0.07556	0.10294	-0.15227	0.00096	-0.05293
-0.00106	0.98176	-0.0711	0.12494	0.143606	0.00186	-0.11807	0.01066	0.262512
-0.05881	0.2046	-0.04888	0.29182	-0.03689	0.42636	-0.0845	0.0681	0.004362
-0.10948	0.01795	-0.06796	0.14252	-0.00724	0.87594	-0.08982	0.05241	0.141036
-0.04879	0.29271	-0.12366	0.00747	0.029688	0.52219	-0.26801	4.00E-09	-0.00572
0.037041	0.42452	-0.11181	0.01563	0.087471	0.05892	-0.11284	0.0147	0.185284
0.04305	0.35327	-0.10228	0.0271	0.10665	0.02116	-0.20877	5.37E-06	0.079088
-0.03811	0.41127	-0.18484	5.86E-05	-0.01504	0.74583	-0.23163	4.17E-07	-0.04494
-0.00848	0.85505	-0.09052	0.05059	0.100219	0.03036	-0.15341	0.00088	0.011902
-0.04591	0.32218	0.015279	0.74191	0.128128	0.00556	-0.06027	0.19357	0.09766
-0.01492	0.74781	0.114557	0.01324	0.190986	3.26E-05	0.103361	0.02551	0.168498
0.004766	0.91819	-0.02185	0.63767	0.070006	0.13088	-0.11915	0.00996	0.022474
0.010593	0.8194	-0.08907	0.05443	0.098032	0.03418	-0.14503	0.00168	0.160641
-0.02962	0.52318	-0.11959	0.00969	-0.04082	0.37877	-0.20717	6.36E-06	-0.13207
-0.06095	0.18856	0.002585	0.95557	-0.02333	0.61501	-0.03909	0.39929	-0.10259
-0.01383	0.76565	-0.13933	0.00255	-0.08161	0.0781	-0.2093	5.08E-06	-0.03451
-0.02253	0.6273	-0.09158	0.04795	0.121925	0.00835	-0.14271	0.00199	0.191654
-0.03654	0.43079	0.046842	0.31244	0.183466	6.66E-05	-0.00392	0.93259	0.266959
0.019415	0.6756	-0.00013	0.99784	0.068871	0.13726	-0.08888	0.05494	0.03009
0.026344	0.57013	-0.08572	0.06418	0.158809	0.00057	-0.11757	0.011	0.078243
-0.03338	0.47176	-0.02845	0.53969	0.130061	0.00488	-0.10158	0.02817	0.189263
0.071061	0.12516	-0.05155	0.26626	-0.02593	0.57613	-0.10765	0.01997	-0.07543
-0.03818	0.41046	-0.14402	0.00181	0.016984	0.71432	-0.22877	5.82E-07	0.098717
0.044163	0.34095	0.10094	0.02918	0.214531	2.89E-06	0.015875	0.73223	0.175896
-0.05072	0.27402	-0.07633	0.09946	0.05097	0.27166	-0.16636	0.00031	0.186138
-0.05365	0.24727	0.027765	0.5495	0.05225	0.2598	-0.03352	0.46987	0.053872
0.038345	0.40839	0.029971	0.51823	0.094895	0.04038	-0.02712	0.55879	0.102412
-0.00426	0.92679	-0.08533	0.06541	0.050956	0.2718	-0.13873	0.00266	0.148867
-0.04764	0.30426	-0.06474	0.16251	0.125116	0.00679	-0.14856	0.00128	0.097201

-0.00439	0.92462	-0.08792	0.05762	0.18408	6.29E-05	-0.17213	0.00019	0.116939
-0.006	0.89718	-0.08967	0.05282	0.170935	0.00021	-0.13507	0.00345	0.098336
-0.07959	0.08577	-0.16013	0.00051	0.03819	0.41029	-0.25755	1.64E-08	0.155876
-0.03103	0.50348	0.00508	0.91281	0.089578	0.05305	-0.12973	0.00499	0.001574
-0.01301	0.77911	0.077667	0.09365	0.013602	0.7694	-0.01544	0.73936	-0.05946
-0.03841	0.40761	-0.02723	0.55729	0.069223	0.13525	-0.07987	0.08469	-0.03181
-0.00265	0.95443	-0.10672	0.02108	0.048936	0.29128	-0.15328	0.00089	0.007232
0.016627	0.72006	-0.11705	0.01136	0.018136	0.69586	-0.23978	1.57E-07	-0.02172
-0.04006	0.38778	0.055861	0.22825	0.079135	0.0876	-0.00887	0.84836	0.058745
-0.01935	0.67663	-0.02593	0.57624	0.06758	0.14479	-0.14231	0.00205	0.05028
-0.03703	0.4247	0.095952	0.03819	0.043629	0.34683	0.047639	0.30427	-0.07278
-0.04927	0.28805	-0.08786	0.05781	-0.01789	0.69972	-0.05127	0.26881	-0.0123
-0.10024	0.03033	-0.08789	0.0577	0.05812	0.20996	-0.19536	2.12E-05	0.162184
-0.02664	0.56581	-0.03086	0.50586	0.059395	0.20012	-0.07647	0.09885	0.141695
0.029595	0.52348	-0.05573	0.22931	0.137499	0.00291	-0.1666	0.0003	0.100808
-0.06761	0.14462	-0.1448	0.0017	-0.02752	0.55303	-0.16094	0.00048	0.037998
-0.055	0.23551	-0.01802	0.69776	0.028905	0.53322	-0.08249	0.07495	-0.07442
0.001541	0.97351	0.085367	0.0653	0.218783	1.81E-06	0.01587	0.73231	0.412863
-0.02888	0.53356	-0.09778	0.03465	0.014694	0.75147	-0.14832	0.00131	0.12779
-0.0286	0.53755	-0.04323	0.35129	0.095011	0.04014	-0.11077	0.01663	0.139394
-0.05146	0.2671	-0.02566	0.58023	0.059801	0.19705	-0.06574	0.15605	-0.00776
0.021318	0.64587	-0.11163	0.0158	0.167559	0.00028	-0.17977	9.37E-05	0.224715
-0.08934	0.05369	-0.03763	0.41718	-0.14242	0.00203	-0.10454	0.02387	0.013245
-0.03217	0.48799	-0.10016	0.03045	-0.03882	0.40261	-0.15928	0.00055	0.089378
0.006267	0.89256	0.135205	0.00342	0.091283	0.04867	0.057977	0.21109	-0.08099
0.035674	0.44184	-0.01588	0.73207	0.174061	0.00016	-0.11764	0.01095	0.222443
0.015449	0.73914	-0.09752	0.03513	0.078664	0.0895	-0.20398	8.87E-06	0.122786
0.004608	0.9209	0.01326	0.77504	0.116684	0.01162	-0.09936	0.03182	0.148321
0.045475	0.32679	0.031521	0.4968	0.222206	1.24E-06	-0.0153	0.74165	0.06242
-0.00411	0.92943	-0.10075	0.02949	0.137162	0.00298	-0.20462	8.31E-06	0.12498
-0.03731	0.42112	-0.07618	0.10012	0.059335	0.20057	-0.16505	0.00034	0.073656
-0.03353	0.46977	-0.13219	0.00421	0.056429	0.22355	-0.18865	4.08E-05	0.220358
-0.05338	0.24966	0.024001	0.60492	0.066534	0.15113	-0.04004	0.38799	0.025218
0.040123	0.38699	-0.00225	0.96128	0.18281	7.08E-05	-0.15117	0.00105	0.10626
0.002171	0.96269	-0.07034	0.12904	0.107212	0.02048	-0.18046	8.79E-05	0.087018
0.094345	0.04156	-0.07577	0.10198	0.029787	0.5208	-0.11031	0.01709	0.024303
0.02611	0.57355	-0.0772	0.09564	0.055154	0.2342	-0.18532	5.60E-05	0.077335
0.042337	0.36132	-0.05683	0.22026	0.119008	0.01005	-0.15934	0.00055	-0.01925
0.010391	0.82279	0.190483	3.42E-05	0.126231	0.0063	0.069524	0.13356	-0.24311
-0.0424	0.36056	-0.14056	0.00233	-0.08072	0.0814	-0.15902	0.00056	0.004742
-0.0436	0.34714	-0.09068	0.0502	0.011773	0.7997	-0.17841	0.00011	-0.0592
-0.0014	0.97594	-0.06582	0.1556	0.126194	0.00632	-0.15511	0.00077	0.080025
-0.03615	0.4358	-0.07928	0.08702	0.131319	0.00448	-0.17543	0.00014	0.082108
0.082325	0.07552	-0.01845	0.69091	0.205373	7.68E-06	-0.07328	0.11377	0.232396
-0.10374	0.02497	-0.07939	0.08657	-0.08805	0.05725	-0.13209	0.00425	-0.16055

-0.01651	0.72199	-0.0576	0.21406	0.181711	7.84E-05	-0.06139	0.18539	0.205218
0.00737	0.87379	-0.03298	0.47714	0.043985	0.3429	-0.13781	0.00284	0.022576
-0.00234	0.95984	-0.05605	0.2267	0.107868	0.01972	-0.17071	0.00021	0.073011
-0.02166	0.64055	-0.1397	0.00248	0.073071	0.11481	-0.10573	0.0223	0.089945
0.032941	0.47761	-0.08109	0.08004	0.123403	0.00759	-0.12249	0.00805	0.186481
0.016931	0.71516	-0.05295	0.25342	0.017776	0.70162	-0.02954	0.52425	0.011093
-0.06529	0.15893	-0.10766	0.01996	-0.00797	0.86354	-0.13914	0.00258	0.086755
-0.08546	0.065	-0.10485	0.02345	0.032078	0.48923	-0.1657	0.00032	0.177571
-0.05214	0.26081	0.042655	0.35772	0.102484	0.02679	-0.00753	0.87099	0.11264
0.026089	0.57386	0.089696	0.05274	0.079637	0.0856	-0.01505	0.74566	-0.09026
-0.11666	0.01164	-0.03154	0.49658	-0.10038	0.0301	-0.07851	0.09014	-0.11404
-0.00645	0.88945	-0.11986	0.00953	0.095567	0.03898	-0.17419	0.00015	-0.04016
-0.0593	0.20084	-0.03956	0.39364	0.014752	0.75052	-0.07998	0.08424	0.074046
0.010612	0.81909	0.121833	0.0084	0.093897	0.04254	-0.01454	0.75398	0.071484
-0.05969	0.19787	0.023644	0.61029	0.028295	0.54189	-0.06047	0.19211	-0.02159
0.032583	0.48241	-0.07057	0.12777	0.060266	0.19358	-0.21367	3.18E-06	-0.02521
-0.01753	0.70549	-0.0217	0.63993	0.164619	0.00035	-0.06967	0.13274	0.138115
0.02218	0.63259	0.035822	0.43994	0.113129	0.01444	-0.05069	0.27429	0.053048
0.088692	0.05546	-0.04946	0.28617	0.088117	0.05706	-0.12558	0.00658	0.102548
-0.0601	0.19484	-0.20801	5.82E-06	-0.06495	0.1611	-0.27067	2.77E-09	0.113863
0.035024	0.4502	-0.054	0.24419	0.186468	5.03E-05	-0.10877	0.01871	0.218516
-0.05841	0.20768	-0.03558	0.44302	-0.00424	0.92716	-0.12243	0.00808	-0.07305
-0.04062	0.38112	-0.12029	0.00927	0.100152	0.03047	-0.19722	1.77E-05	0.081578
0.056444	0.22343	0.020215	0.66304	0.216562	2.32E-06	-0.06283	0.17525	0.183852
-0.00898	0.84648	-0.06226	0.17923	0.186384	5.07E-05	-0.14999	0.00115	0.135397
0.05038	0.27726	0.022971	0.62049	0.210033	4.70E-06	-0.10902	0.01844	0.04874
0.069585	0.13322	-0.04874	0.29321	0.208349	5.62E-06	-0.08746	0.05893	0.169736
-0.02423	0.60141	-0.05403	0.24387	0.106362	0.02151	-0.13565	0.00331	0.036228
-0.00594	0.8982	-0.07315	0.11442	0.177475	0.00012	-0.12375	0.00742	0.174627
-0.03394	0.46433	-0.1038	0.02488	-0.00404	0.93067	-0.20214	1.07E-05	0.080077
0.003295	0.94339	0.034527	0.45666	0.118377	0.01046	-0.00682	0.88316	-0.04784
0.005422	0.90697	0.000849	0.98541	0.093387	0.04368	-0.12292	0.00783	0.044033
-0.01557	0.7371	-0.08561	0.06452	0.084383	0.06847	-0.19904	1.47E-05	0.160596
0.053066	0.25241	0.005356	0.9081	0.17083	0.00021	-0.05139	0.26775	0.199277
-0.06424	0.16574	-0.05513	0.2344	0.040545	0.38201	-0.06552	0.15749	0.131793
0.012798	0.78267	-0.02375	0.60875	0.2291	5.61E-07	-0.07907	0.08787	0.156906
-0.06361	0.16998	-0.13968	0.00248	-0.04878	0.29282	-0.21171	3.93E-06	0.072283
0.073264	0.11385	0.016034	0.72965	0.045807	0.32327	0.004401	0.92444	0.041615
-0.04172	0.36835	-0.06535	0.15855	-0.04303	0.35347	-0.05806	0.21041	-0.07269
0.053022	0.25281	-0.0085	0.85471	0.022393	0.62932	-0.02197	0.63584	-0.04946
0.026494	0.56793	0.022242	0.63163	0.020211	0.66309	-0.03357	0.4693	-0.05462
0.067951	0.14259	0.001754	0.96984	0.020921	0.65202	0.019788	0.66973	-0.00117
-0.02622	0.57195	-0.024	0.60492	0.032098	0.48896	-0.00445	0.92354	0.01446
-0.00439	0.92458	-0.07574	0.10212	-0.06921	0.13533	-0.08822	0.05677	-0.00663
0.027732	0.54998	0.044194	0.34062	0.040712	0.38006	0.00645	0.88944	-0.00419

0.045861	0.3227	0.036672	0.42916	0.049917	0.28171	-0.00786	0.86549	-0.03652
0.089186	0.05411	0.114912	0.01296	0.106998	0.02074	0.081236	0.07948	0.013731
-0.01953	0.67386	0.017654	0.70357	0.004822	0.91723	-0.05912	0.20217	0.006223
0.019949	0.6672	0.008809	0.84941	0.017493	0.70615	-0.00637	0.8908	0.065956
0.022332	0.63026	0.05743	0.21543	0.056724	0.22113	-0.00047	0.99191	0.053468
0.029249	0.52835	0.026587	0.56657	0.029869	0.51965	-0.01365	0.76857	0.035069
0.003268	0.94386	-0.05493	0.23608	-0.06767	0.14429	-0.07556	0.10295	-0.06668
0.061652	0.18352	0.010058	0.82837	0.025419	0.58375	-0.01569	0.73529	0.06542
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0.080754	0.08128	0.043645	0.34666	0.014645	0.75227	0.037746	0.41576	-0.0274
0.003228	0.94453	0.002636	0.95469	-0.03814	0.41087	-0.01809	0.69658	-0.11268
0.016136	0.728	0.025243	0.58635	0.017861	0.70025	-0.00689	0.88194	-0.0572
0.115775	0.01229	0.076782	0.09746	0.049685	0.28395	0.066078	0.15396	0.003689
0.020072	0.66528	-0.00158	0.97292	-0.00343	0.94104	-0.02435	0.59962	0.084696
0.041784	0.36762	0.035785	0.44041	0.021502	0.64303	-0.0101	0.82769	-0.0517
0.121498	0.00858	0.068827	0.13751	0.089368	0.05361	0.0646	0.1634	-0.00495
0.100756	0.02948	0.016239	0.72633	0.052802	0.25479	0.006096	0.89547	-0.03351
0.007315	0.87472	0.032373	0.48525	0.012951	0.78014	0.00287	0.95068	-0.03626
0.079374	0.08664	0.049713	0.28368	0.031662	0.49488	0.032256	0.48682	-0.03259
0.05059	0.27526	0.050553	0.27561	0.061909	0.18169	0.019988	0.6666	0.015244
0.074069	0.10992	0.040756	0.37954	0.02151	0.6429	0.031794	0.49308	-0.04417
0.017066	0.71299	0.001847	0.96825	0.010271	0.8248	-0.07283	0.116	-0.02325
0.013246	0.77526	-0.00176	0.9697	0.014394	0.75637	-0.03391	0.4647	-0.01277
0.069501	0.13369	0.040738	0.37975	0.058685	0.20556	0.017807	0.70112	-0.00125
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0.04456	0.33662	0.027154	0.55832	0.047627	0.30439	0.008865	0.84847	-0.00879
-0.00217	0.96261	0.036158	0.43566	0.02416	0.60252	0.026201	0.57222	-0.01538
0.013373	0.77317	0.014364	0.75687	0.038075	0.4117	0.00992	0.8307	-0.00089
0.01219	0.79276	0.02249	0.62784	0.041117	0.37533	0.010394	0.82274	0.002915
0.052631	0.25633	0.027033	0.56007	0.047563	0.30505	-0.00214	0.9632	0.020498
0.040208	0.38599	0.045781	0.32354	0.030224	0.5147	0.007516	0.87131	-0.04907
0.128308	0.00549	0.128829	0.0053	0.077459	0.09454	0.134024	0.00371	-0.07553
-0.00454	0.922	0.006166	0.89428	-0.00208	0.9642	-0.02612	0.57345	-0.04413
0.009229	0.84233	0.012771	0.78312	0.001374	0.97637	-0.03274	0.48032	-0.06417
0.043865	0.34423	-0.01286	0.78167	-0.0358	0.44025	-0.00341	0.94134	0.052366
0.021437	0.64403	-0.01741	0.70747	0.025473	0.58295	0.047002	0.31079	-0.02193
0.017031	0.71356	0.011042	0.8119	0.006894	0.88189	0.005842	0.8998	-0.03273
-0.00333	0.9428	0.00405	0.93044	0.000697	0.98801	-0.00532	0.90879	-0.02889
0.008463	0.85528	0.010046	0.82859	0.01417	0.76005	-0.00091	0.98439	-0.03433
0.001022	0.98243	0.004834	0.91702	0.007263	0.87561	-0.00556	0.90462	-0.03498
-0.0002	0.99655	0.021584	0.64176	0.023562	0.61154	0.010795	0.81602	-0.02157
0.002562	0.95596	0.014697	0.75141	-0.00201	0.96538	0.006885	0.88204	-0.05735
-0.0121	0.79422	-0.01225	0.79183	-0.02139	0.64483	-0.03372	0.46723	-0.09124
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0.036945	0.42573	0.07144	0.12316	0.093392	0.04367	0.007719	0.86787	0.011744
0.065667	0.15654	0.02273	0.62417	-0.00598	0.8974	0.013389	0.77291	-0.054
0.083383	0.07182	-0.01669	0.71911	0.085636	0.06445	-0.02747	0.55381	0.01369
0.028412	0.54023	0.030765	0.50719	0.036748	0.4282	0.006913	0.88156	-0.00058
0.026972	0.56096	0.014019	0.76253	0.025488	0.58272	-0.0035	0.93988	-0.0308
0.016075	0.72898	0.035568	0.44319	0.032871	0.47855	0.01352	0.77074	-0.0109
0.070805	0.12653	0.027676	0.55077	0.007062	0.87903	0.028927	0.53292	-0.05142
0.01074	0.81694	0.011	0.8126	0.003981	0.93162	0.004316	0.92588	-0.03657
0.05839	0.20784	0.029893	0.51931	0.010594	0.81939	0.011057	0.81164	-0.03516
0.021256	0.64683	-0.05383	0.24564	-0.03226	0.48677	-0.04022	0.38584	-0.08543
-0.00383	0.93425	0.034942	0.45126	0.037996	0.41267	0.017914	0.6994	0.001257
0.054206	0.24235	0.022889	0.62175	-0.0172	0.71088	0.011131	0.81041	-0.08602
0.032457	0.48411	0.018427	0.69123	0.001504	0.97414	0.007127	0.87791	-0.05059
0.038115	0.41121	-0.01226	0.79157	-0.06461	0.16335	-0.05921	0.20154	-0.0561
0.026524	0.56749	0.02644	0.56872	0.034457	0.45757	0.011204	0.80918	-0.02405
0.066221	0.15307	0.018613	0.68828	0.011088	0.81112	0.035569	0.44318	-0.01822
0.07414	0.10958	0.014769	0.75024	0.057599	0.21408	0.031968	0.49073	0.038397
-0.00704	0.87943	-0.05011	0.27982	-0.05773	0.21308	-0.04159	0.36984	-0.07911
0.05006	0.28033	-0.00019	0.99669	0.039403	0.39557	-0.01038	0.82293	-0.03297
-0.07711	0.09603	0.158112	0.00061	-0.07413	0.10962	0.173934	0.00016	-0.12293
-0.05936	0.2004	0.170549	0.00021	-0.11681	0.01153	0.105297	0.02286	-0.30063
-0.01351	0.77092	0.150802	0.00108	-0.08901	0.05459	0.170225	0.00022	-0.1564
-0.07705	0.0963	0.127212	0.00591	-0.12054	0.00912	0.039296	0.39686	-0.20492
0.016511	0.72193	0.146438	0.00151	-0.06019	0.19417	0.115558	0.01246	-0.14197
-0.10251	0.02675	0.017743	0.70214	-0.15049	0.00111	0.069183	0.13548	-0.13706
-0.0366	0.43004	0.251333	3.68E-08	0.017033	0.71352	0.232351	3.83E-07	-0.0104
-0.04477	0.33435	0.180488	8.78E-05	-0.09305	0.04446	0.212313	3.68E-06	-0.09648
-0.08958	0.05304	0.070118	0.13026	-0.22673	7.38E-07	0.081931	0.07693	-0.24942
-0.06728	0.1466	0.09644	0.03722	-0.15521	0.00076	0.067536	0.14506	-0.18662
-0.05195	0.26256	0.057841	0.21216	-0.00149	0.97432	0.033118	0.47525	-0.16833
-0.02249	0.62781	0.263832	7.08E-09	0.030697	0.50814	0.230475	4.77E-07	-0.14881
-0.06546	0.15787	0.129585	0.00504	-0.18514	5.70E-05	0.1573	0.00065	-0.17849
-0.06394	0.16773	0.167549	0.00028	-0.24892	5.01E-08	0.151478	0.00102	-0.32044
-0.05126	0.2689	0.137442	0.00292	-0.06061	0.19102	0.124329	0.00714	-0.21868
-0.13759	0.00289	-0.02942	0.52589	-0.34643	1.30E-14	-0.0558	0.22874	-0.27173
-0.18964	3.71E-05	-0.04909	0.28974	-0.31413	3.74E-12	-0.06594	0.15479	-0.22325
-0.00452	0.92242	0.266591	4.86E-09	0.023349	0.61476	0.272995	2.00E-09	-0.19261
-0.04713	0.30943	0.20591	7.26E-06	-0.15352	0.00087	0.237872	1.98E-07	-0.22235
-0.02645	0.56854	0.182897	7.03E-05	-0.09174	0.04756	0.159686	0.00053	-0.23053
-0.05818	0.20948	0.163506	0.00039	-0.18775	4.45E-05	0.158034	0.00061	-0.24734
-0.11377	0.01389	0.069494	0.13373	-0.19902	1.47E-05	0.050574	0.27541	-0.17572
-0.12301	0.00778	0.074507	0.10783	-0.10011	0.03054	0.15075	0.00108	-0.03628
-0.13383	0.00376	0.116781	0.01155	-0.16538	0.00033	0.031593	0.49583	-0.23152
-0.10188	0.02771	0.204893	8.07E-06	-0.17449	0.00015	0.158298	0.0006	-0.18055
-0.15982	0.00053	-0.06722	0.14694	-0.3041	1.90E-11	-0.01873	0.68645	-0.16207

-0.09463	0.04094	0.028075	0.54504	-0.22945	5.38E-07	0.072137	0.11953	-0.1918
-0.13936	0.00254	0.142285	0.00205	-0.14182	0.00213	0.155125	0.00077	-0.17222
-0.09042	0.05086	0.1083	0.01923	-0.18375	6.49E-05	0.125189	0.00675	-0.22417
-0.05857	0.20642	0.056914	0.21959	-0.15423	0.00083	0.02572	0.57929	-0.19116
-0.06207	0.18055	0.186283	5.11E-05	-0.16047	0.0005	0.207031	6.45E-06	-0.27037
-0.08437	0.06852	0.138585	0.00269	-0.09962	0.03137	0.123441	0.00757	-0.14144
-0.027	0.56061	0.250329	4.19E-08	0.001052	0.98192	0.253282	2.86E-08	-0.00267
-0.15072	0.00109	0.025802	0.57808	-0.12784	0.00566	0.035386	0.44553	-0.11897
-0.0735	0.1127	0.142007	0.0021	-0.11243	0.01506	0.131637	0.00438	-0.19546
-0.10096	0.02914	0.173185	0.00017	-0.117	0.01139	0.146176	0.00154	-0.17817
-0.10517	0.02303	-0.0486	0.29465	-0.26166	9.48E-09	-0.0021	0.96392	-0.19428
-0.15545	0.00075	0.11014	0.01726	-0.1239	0.00735	0.07445	0.1081	-0.24994
-0.07806	0.09199	0.032343	0.48565	-0.04911	0.28959	0.095614	0.03888	0.086944
-0.15665	0.00068	0.092549	0.04562	-0.2163	2.39E-06	0.101656	0.02805	-0.21835
-0.0148	0.74971	0.077339	0.09505	-0.07596	0.1011	0.115141	0.01278	-0.18217
-0.05418	0.24262	0.017653	0.70359	-0.10685	0.02092	-0.04843	0.29629	-0.2052
-0.04063	0.38103	0.12463	0.00701	-0.03313	0.47511	0.131071	0.00455	-0.14328
-0.11188	0.01557	0.058994	0.20317	-0.17495	0.00014	0.057574	0.21428	-0.24305
-0.02189	0.63704	0.083232	0.07234	-0.09965	0.03131	0.069896	0.13149	-0.07883
-0.05726	0.21682	0.201277	1.17E-05	-0.12554	0.0066	0.209527	4.96E-06	-0.24132
-0.06584	0.15546	0.133064	0.00397	-0.20561	7.49E-06	0.178531	0.0001	-0.11436
-0.0904	0.05089	0.055347	0.23257	-0.17308	0.00017	0.068775	0.13781	-0.20793
-0.08507	0.06625	0.036131	0.43601	-0.15249	0.00095	0.008569	0.85347	-0.21725
-0.15702	0.00066	0.080333	0.08289	-0.21455	2.89E-06	0.039274	0.39712	-0.27615
-0.07209	0.11978	0.058268	0.2088	-0.03557	0.44316	0.123808	0.00739	-0.01758
-0.03594	0.43842	0.178251	0.00011	-0.12347	0.00756	0.230832	4.58E-07	-0.14704
-0.03286	0.47868	0.109543	0.01788	-0.04142	0.37177	0.137135	0.00298	-0.12024
-0.02187	0.63738	0.207563	6.10E-06	-0.11247	0.01503	0.241575	1.26E-07	-0.25039
-0.15208	0.00098	0.035604	0.44273	-0.20386	8.98E-06	0.014672	0.75182	-0.22751
-0.15642	0.00069	0.084234	0.06896	-0.22192	1.28E-06	0.026329	0.57034	-0.33058
-0.02952	0.52448	0.06035	0.19297	-0.06487	0.16166	0.129562	0.00504	-0.1667
-0.07958	0.08582	0.137303	0.00295	-0.07998	0.08426	0.154384	0.00082	-0.07783
-0.02231	0.63058	0.166329	0.00031	-0.07639	0.09919	0.148379	0.0013	-0.17475
-0.09669	0.03673	0.039512	0.39427	-0.17775	0.00011	0.088202	0.05682	-0.17054
-0.18125	8.18E-05	0.098764	0.03286	-0.27322	1.94E-09	0.10324	0.02568	-0.30991
-0.0893	0.0538	0.148758	0.00126	-0.20126	1.17E-05	0.190011	3.58E-05	-0.27096
-0.10856	0.01895	0.069482	0.13379	-0.24007	1.51E-07	0.083455	0.07158	-0.2456
-0.10733	0.02034	0.069465	0.13389	-0.14852	0.00129	0.136299	0.00316	-0.1552
-0.11158	0.01585	0.072421	0.11808	-0.18898	3.96E-05	0.092419	0.04592	-0.20669
-0.02257	0.62664	0.297127	5.67E-11	0.077276	0.09532	0.341715	3.09E-14	-0.08466
-0.05477	0.23749	0.132395	0.00416	-0.11413	0.01359	0.037055	0.42436	-0.25179
0.014734	0.75081	0.317253	2.22E-12	0.115787	0.01228	0.229245	5.51E-07	-0.17594
-0.04528	0.32883	0.153927	0.00085	-0.13999	0.00243	0.153077	0.0009	-0.33363
-0.07209	0.11979	0.186457	5.03E-05	-0.07481	0.10638	0.191674	3.05E-05	-0.19353
-0.07887	0.08867	0.134312	0.00364	-0.1328	0.00404	0.157358	0.00064	-0.26485

-0.07744	0.09461	0.112275	0.01521	-0.07649	0.09874	0.156892	0.00067	-0.22751
-0.10403	0.02457	0.086456	0.06193	-0.20143	1.15E-05	0.121511	0.00857	-0.21035
-0.09894	0.03254	0.116805	0.01154	-0.22355	1.06E-06	0.134331	0.00363	-0.29941
-0.03211	0.48881	0.192298	2.87E-05	-0.12675	0.00609	0.214136	3.02E-06	-0.23193
-0.1134	0.0142	0.014238	0.75893	-0.18712	4.73E-05	0.082861	0.07363	-0.08793
-0.08983	0.05238	0.129223	0.00516	-0.14727	0.00142	0.099959	0.03079	-0.18882
-0.03856	0.40577	0.202395	1.04E-05	-0.01596	0.73092	0.228558	5.97E-07	-0.12341
-0.13336	0.00389	0.133271	0.00391	-0.17219	0.00018	0.118594	0.01032	-0.22699
-0.01031	0.82413	0.256807	1.81E-08	0.045022	0.33164	0.288616	2.07E-10	-0.11437
-0.08075	0.08129	0.095111	0.03993	-0.10342	0.02543	0.057185	0.2174	-0.13983
-0.11517	0.01276	-0.02911	0.53036	-0.21282	3.48E-06	-0.01635	0.72456	-0.24632
-0.13823	0.00276	0.034732	0.45399	-0.2232	1.10E-06	0.009351	0.84027	-0.32546
-0.13045	0.00475	0.074095	0.1098	-0.16271	0.00041	-0.01664	0.71989	-0.16898
-0.10157	0.02818	0.00992	0.8307	-0.22409	9.98E-07	0.059844	0.19673	-0.17068
-0.10186	0.02773	0.073905	0.11071	-0.19483	2.24E-05	0.095773	0.03856	-0.22387
-0.14325	0.00191	0.032177	0.4879	-0.13774	0.00286	0.009424	0.83905	-0.17973
-0.05814	0.20978	0.108592	0.01891	-0.20822	5.69E-06	0.118051	0.01067	-0.23478
-0.08431	0.06873	0.114483	0.0133	-0.10325	0.02566	0.135434	0.00336	-0.17498
-0.0905	0.05064	0.024566	0.59644	-0.14048	0.00234	0.109575	0.01785	-0.13025
-0.077	0.0965	0.088769	0.05524	-0.1681	0.00026	0.049053	0.29013	-0.25401
-0.10498	0.02328	0.010325	0.82391	-0.14466	0.00172	0.005963	0.89774	-0.21014
-0.09344	0.04356	0.239449	1.63E-07	-0.04721	0.30861	0.199774	1.36E-05	-0.15393
-0.15962	0.00054	0.02263	0.6257	-0.21507	2.73E-06	0.020942	0.6517	-0.19499
-0.08343	0.07168	0.136608	0.0031	-0.1007	0.02957	0.024499	0.59743	-0.25396
-0.06496	0.16104	0.134537	0.00358	-0.17308	0.00017	0.081461	0.07865	-0.21535
-0.09314	0.04424	0.104287	0.02421	-0.27061	2.79E-09	0.069499	0.1337	-0.38134
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-0.05974	0.1975	0.197084	1.79E-05	-0.12631	0.00627	0.229703	5.22E-07	-0.19481
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-0.12365	0.00747	0.091165	0.04896	-0.1383	0.00274	0.09125	0.04875	-0.23785
-0.16659	0.0003	0.088213	0.05679	-0.23379	3.23E-07	0.044731	0.33478	-0.27976
-0.18515	5.69E-05	0.080938	0.08059	-0.23281	3.62E-07	0.042685	0.35738	-0.26075
-0.02634	0.57022	0.121139	0.00878	-0.14116	0.00223	0.199799	1.36E-05	-0.12782
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-0.0328	0.47944	0.082396	0.07527	-0.14554	0.00161	0.06339	0.17145	-0.16655
-0.10635	0.02152	0.108698	0.01879	-0.19004	3.57E-05	0.11312	0.01445	-0.25257
-0.14599	0.00156	0.098697	0.03298	-0.22606	7.97E-07	0.071777	0.12139	-0.22
-0.05034	0.27764	0.205088	7.91E-06	-0.10837	0.01915	0.203507	9.31E-06	-0.18144
-0.12103	0.00884	0.067065	0.14789	-0.16541	0.00033	0.042826	0.35579	-0.18829
-0.10317	0.02578	-0.02226	0.63138	-0.18353	6.62E-05	0.007439	0.87262	-0.09507
-0.09254	0.04564	0.119303	0.00987	0.001624	0.97207	0.168281	0.00026	-0.14756
-0.06656	0.15096	0.128152	0.00555	-0.1916	3.07E-05	0.142951	0.00196	-0.23797
-0.12701	0.00599	0.06333	0.17185	-0.22564	8.36E-07	0.054968	0.23579	-0.25171
-0.15005	0.00114	0.039897	0.38968	-0.25873	1.40E-08	0.099876	0.03093	-0.26512
-0.08865	0.05557	-0.08261	0.0745	-0.20652	6.81E-06	-0.02705	0.55989	-0.19982

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-0.10866	0.01883	0.119668	0.00964	-0.21096	4.25E-06	0.138206	0.00276	-0.1281
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-0.04355	0.34765	0.083858	0.07022	-0.17429	0.00015	0.143474	0.00188	-0.22967
-0.10401	0.02459	0.099203	0.03209	-0.15064	0.00109	0.113348	0.01425	-0.28521
-0.05044	0.27665	0.121685	0.00848	-0.13659	0.0031	0.158937	0.00057	-0.24927
0.056578	0.22233	0.20374	9.09E-06	0.03062	0.50919	0.216259	2.40E-06	-0.06915
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-0.07247	0.11785	0.086069	0.06311	-0.21576	2.53E-06	0.123795	0.0074	-0.19072
-0.16646	0.0003	0.002582	0.95562	-0.33698	7.29E-14	0.002271	0.96096	-0.27332
-0.14592	0.00157	0.038729	0.40372	-0.27975	7.63E-10	-0.00671	0.88504	-0.2035
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0.163456	0.00039	0.085147	0.066	0.07748	0.09445	0.057579	0.21424	0.014871
0.29705	5.73E-11	0.017206	0.71075	0.030386	0.51244	0.008641	0.85227	0.107368
0.133948	0.00373	-0.00159	0.97269	0.057504	0.21484	-0.04081	0.37891	-0.11983
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0.074289	0.10886	0.032301	0.48621	-0.00325	0.94414	-0.01536	0.74053	-0.01941
0.091027	0.04931	0.02964	0.52285	-0.04398	0.34293	-0.00912	0.84424	-0.05858
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0.142478	0.00203	0.043949	0.3433	0.039669	0.39239	0.007948	0.86399	-0.0416
0.145382	0.00163	-0.01413	0.7607	0.004289	0.92635	-0.02086	0.65299	-0.03295
0.168307	0.00026	0.009087	0.84473	0.044145	0.34116	-0.00188	0.96764	-0.04735
0.132815	0.00404	0.062172	0.17984	-0.00221	0.96209	0.030308	0.51353	-0.11064
0.172636	0.00018	0.023969	0.60539	0.12081	0.00897	-0.03683	0.42721	0.03939
0.118297	0.01051	0.014804	0.74967	-0.00267	0.95414	0.03331	0.4727	-0.01128
0.160759	0.00049	-0.01684	0.71664	0.059338	0.20055	-0.00619	0.89381	-0.05911
0.184851	5.85E-05	0.08416	0.06921	0.063805	0.16865	0.061842	0.18217	-0.03151
0.17068	0.00021	0.084031	0.06964	0.079874	0.08467	0.063305	0.17202	-0.0381
0.135646	0.00331	0.019781	0.66984	-0.03215	0.48826	-0.00273	0.95308	0.014365
0.178978	0.0001	0.042804	0.35604	0.032376	0.4852	0.038383	0.40793	-0.02333
0.144817	0.0017	0.182426	7.34E-05	0.156549	0.00069	0.169258	0.00024	-0.05287
0.103211	0.02572	0.15883	0.00057	0.07233	0.11854	0.145512	0.00162	0.098218
0.420134	2.14E-21	0.151381	0.00103	0.203126	9.69E-06	0.140489	0.00234	0.000315
0.15557	0.00074	0.034395	0.45838	0.060172	0.19428	0.017461	0.70666	-0.02182
0.082258	0.07576	0.042149	0.36345	-0.00377	0.9353	0.024083	0.60368	-0.00297
0.172008	0.00019	0.03666	0.42931	5.62E-05	0.99903	0.040984	0.37687	-0.07333
0.076532	0.09856	0.065424	0.15809	-0.0087	0.85129	-0.02721	0.55756	-0.07848
0.240782	1.39E-07	0.324944	6.04E-13	0.259652	1.24E-08	0.329172	2.90E-13	0.214795



0.063769	0.16889	-0.02798	0.54638	0.032581	0.48244	-0.05785	0.21205	0.038004
0.076723	0.09772	0.024052	0.60414	-0.00614	0.8948	0.003347	0.9425	-0.0056
0.229746	5.20E-07	0.024746	0.59375	-0.02167	0.64043	-0.00397	0.93184	-0.16735
0.137959	0.00281	0.017416	0.70737	0.00896	0.84687	0.029517	0.52458	0.05387
0.168824	0.00025	0.04928	0.2879	0.056257	0.22496	0.01303	0.77883	-0.03109
0.153144	0.0009	0.045723	0.32416	0.002533	0.95646	0.044232	0.3402	-0.04332
0.186695	4.92E-05	0.023944	0.60577	0.151685	0.00101	-0.01161	0.80249	0.003988
0.13916	0.00258	0.015394	0.74004	0.039631	0.39284	0.004494	0.92285	0.05842
0.647589	7.28E-57	0.405011	7.32E-20	0.413726	9.78E-21	0.519517	1.22E-33	0.036629
0.129539	0.00505	-0.03083	0.50635	-0.05375	0.24638	-0.0651	0.16018	-0.01326
0.084864	0.0669	0.012402	0.78924	-0.00295	0.94925	0.015279	0.74191	-0.11494
0.118095	0.01064	0.022968	0.62055	0.001893	0.96745	0.05608	0.22643	-0.00215
0.082025	0.07659	-0.00485	0.91677	0.025973	0.57556	0.039809	0.39072	0.068062
0.102235	0.02716	0.022034	0.63483	-0.00811	0.86132	0.050196	0.27902	0.045001
0.156305	0.0007	0.043649	0.34661	0.004848	0.91679	0.049788	0.28295	-0.03982
0.183006	6.95E-05	0.043474	0.34855	0.024076	0.60378	0.0413	0.3732	-0.04295
0.414013	9.14E-21	0.238019	1.94E-07	0.259629	1.24E-08	0.162942	0.00041	0.028402
0.083606	0.07106	-0.06992	0.13136	0.005447	0.90655	-0.11768	0.01093	0.04427
0.128451	0.00544	0.029971	0.51822	0.012091	0.7944	0.002812	0.95167	-0.02153
0.178934	0.0001	0.041196	0.37441	0.054798	0.23724	0.063835	0.16845	0.054453
0.167189	0.00028	0.093227	0.04405	0.094903	0.04036	0.076227	0.09992	0.003516
0.136586	0.0031	-0.00268	0.95387	0.010087	0.8279	-0.00672	0.88481	-0.05091
0.106277	0.02162	0.056946	0.21933	0.076677	0.09792	0.050028	0.28064	-0.05805
0.258083	1.53E-08	0.319809	1.45E-12	0.320883	1.21E-12	0.270865	2.69E-09	0.056508
0.168157	0.00026	0.050898	0.27234	0.076012	0.10088	0.058137	0.20982	-0.02247
0.122518	0.00804	0.001208	0.97922	0.016609	0.72035	-0.01536	0.74053	0.063085
0.229457	5.38E-07	0.068213	0.14106	0.078997	0.08815	0.031922	0.49135	-0.02666
0.114295	0.01346	0.008445	0.85557	-0.01157	0.803	0.055136	0.23436	0.104215
0.090746	0.05002	0.1029	0.02617	-0.0303	0.51358	0.060423	0.19242	-0.04308
0.085622	0.06449	0.060317	0.19321	0.03528	0.44689	0.065193	0.15956	0.073561
0.258556	1.44E-08	0.094788	0.04061	0.07029	0.12932	0.03278	0.47977	-0.0829
0.125771	0.0065	0.06541	0.15817	0.1042	0.02433	0.093655	0.04308	0.133242
0.1808	8.53E-05	0.032065	0.48941	0.023026	0.61966	0.03626	0.43437	-0.01432
0.175441	0.00014	0.057869	0.21194	0.109279	0.01816	0.024866	0.59196	-0.00015
0.131272	0.00449	0.018185	0.69509	-0.00803	0.86254	0.017464	0.70661	-0.05884
0.152108	0.00098	0.099666	0.03129	0.14997	0.00115	0.085791	0.06397	0.053459
0.104707	0.02364	0.106032	0.02192	0.138897	0.00263	0.118869	0.01014	0.037894
0.190342	3.47E-05	0.093084	0.04437	0.114716	0.01312	0.051713	0.26473	0.04868
0.173684	0.00016	-0.01813	0.69604	0.05375	0.24634	-0.06431	0.16531	-0.00819
0.121587	0.00853	-0.0933	0.04389	-0.07104	0.12527	-0.06995	0.13116	0.055386
0.213133	3.37E-06	0.038777	0.40313	0.117072	0.01135	0.064231	0.16582	0.005088
0.200306	1.29E-05	0.22079	1.45E-06	0.169496	0.00023	0.164042	0.00037	-0.01999
0.145224	0.00165	0.030613	0.5093	-0.03908	0.39943	0.029142	0.52987	0.057036
0.145016	0.00168	0.064611	0.16333	0.073716	0.11163	0.041794	0.36751	0.011993
0.198262	1.59E-05	0.054611	0.23885	0.047824	0.3024	0.069232	0.1352	0.000331

0.14065	0.00232	0.013415	0.77248	0.012079	0.7946	0.001593	0.97262	-0.0203
0.158247	0.0006	0.031109	0.50245	-0.02106	0.64994	0.022545	0.627	-0.06309
0.123749	0.00742	0.01713	0.71196	0.010357	0.82337	0.014512	0.75444	-0.06302
0.08324	0.07231	-0.00258	0.95572	-0.01446	0.75522	-0.0192	0.67897	-0.06681
0.11211	0.01536	0.019672	0.67155	0.011683	0.8012	0.043365	0.34976	0.024589
0.118657	0.01028	0.276305	1.25E-09	0.207032	6.45E-06	0.397099	4.33E-19	0.057441
0.150318	0.00112	0.059857	0.19663	-0.02596	0.57579	0.034213	0.46077	-0.05184
0.076231	0.0999	-0.01117	0.80972	-0.02413	0.60303	0.018442	0.691	-0.00501
0.1377	0.00286	0.028535	0.53847	0.008844	0.84883	0.047198	0.30878	-0.03181
0.157042	0.00066	-0.07297	0.1153	-0.02057	0.65751	-0.07785	0.09289	0.078563
0.139056	0.0026	0.017416	0.70737	-0.02624	0.57168	0.039491	0.39452	-0.00414
0.214911	2.78E-06	0.049667	0.28413	0.13618	0.00319	0.001134	0.98051	0.008169
0.168315	0.00026	-0.00167	0.97131	-0.00806	0.86213	0.00097	0.98332	-0.02841
0.171912	0.00019	0.000768	0.9868	-0.00021	0.9963	0.013359	0.7734	-0.04436
0.106689	0.02111	0.041807	0.36736	0.016429	0.72326	0.054782	0.23738	-0.12508
0.136293	0.00317	0.043443	0.3489	0.064879	0.16159	0.036192	0.43523	0.012392
0.09425	0.04177	0.036841	0.42703	-0.03214	0.48839	0.017269	0.70973	-0.06586
0.199731	1.37E-05	0.009218	0.84252	0.020558	0.65769	0.023759	0.60856	-0.04921
0.068572	0.13897	0.284343	3.90E-10	0.237268	2.13E-07	0.375524	4.36E-17	0.139144
0.245243	7.97E-08	0.063062	0.17368	0.076236	0.09988	0.120465	0.00917	0.026593
0.099653	0.03131	0.023664	0.60999	0.073116	0.11458	0.077203	0.09564	0.056143
0.148079	0.00133	0.025981	0.57545	-0.00247	0.95756	0.021441	0.64398	-0.09456
0.093116	0.0443	0.099666	0.03129	-0.00129	0.97786	0.093844	0.04266	0.049946
0.148883	0.00125	0.044943	0.33249	0.088392	0.05629	0.083974	0.06983	0.078341
0.094966	0.04023	0.051794	0.26398	0.039397	0.39564	0.057067	0.21835	-0.0084
0.157866	0.00062	-0.01032	0.82396	-0.02086	0.65297	-0.02395	0.60573	-0.00866
0.265317	5.78E-09	0.373837	6.16E-17	0.306164	1.36E-11	0.287085	2.60E-10	0.044574
0.189371	3.81E-05	-0.006	0.89709	0.051257	0.26897	0.037382	0.42028	0.013073
0.094169	0.04194	-0.06902	0.13639	0.00451	0.92257	-0.05174	0.26452	0.021369
0.170364	0.00022	0.030607	0.50938	-0.00389	0.93323	0.051443	0.26724	0.089704
0.151893	0.00099	-0.04717	0.30907	-0.0106	0.81921	-0.04435	0.33891	0.044865
0.160948	0.00048	-0.07025	0.12956	0.017587	0.70464	-0.05816	0.20967	0.080615
0.140772	0.00229	-0.00447	0.92329	0.021093	0.64937	0.002823	0.95148	-0.02462
0.207305	6.27E-06	0.199492	1.40E-05	0.234874	2.84E-07	0.161454	0.00046	0.027596
0.15833	0.00059	0.05356	0.24802	0.001287	0.97787	0.042174	0.36316	-0.03702
0.116709	0.0116	0.00365	0.93729	-0.03983	0.39046	-0.01455	0.75376	-0.05622
0.092835	0.04495	0.008684	0.85152	-0.02394	0.60579	0.003605	0.93806	-0.04192
0.131152	0.00453	0.014089	0.76138	-0.04266	0.35765	0.035051	0.44986	-0.06634
0.089732	0.05264	0.083275	0.07219	0.005619	0.9036	0.069672	0.13273	-0.0428
0.062932	0.17457	-0.00149	0.97437	-0.02084	0.6533	0.003542	0.93914	0.033755
0.11304	0.01452	0.123743	0.00742	0.095494	0.03913	0.165589	0.00033	0.036518
0.145634	0.0016	0.024013	0.60473	0.096049	0.038	0.005465	0.90624	-0.02478
0.108457	0.01906	0.14147	0.00218	0.034952	0.45113	0.130793	0.00464	-0.01681
0.177555	0.00011	0.057685	0.2134	0.044242	0.34009	0.027193	0.55776	0.010253
0.155789	0.00073	-0.00327	0.94389	0.02471	0.59428	-0.01334	0.77365	-0.05051

0.163898	0.00038	0.019395	0.67592	0.095222	0.03969	0.048018	0.30044	-0.01364
0.063618	0.16991	-0.04672	0.31369	-0.07089	0.12609	-0.00451	0.92254	0.106641
0.031017	0.50371	-0.04728	0.30791	-0.04121	0.3743	0.000476	0.99181	0.144232
0.105407	0.02272	-0.0336	0.46884	-0.00574	0.90161	-0.0803	0.08303	-0.04987
0.217778	2.03E-06	-0.02475	0.59366	-0.0421	0.36399	-0.04084	0.37857	-0.00195
0.052521	0.25733	-0.05656	0.22244	-0.12947	0.00507	-0.04755	0.30517	-0.03008
0.154902	0.00078	0.023057	0.61919	0.012904	0.78092	0.02408	0.60372	-0.05037
0.057551	0.21447	-0.03956	0.39373	-0.10438	0.02408	-0.11674	0.01158	-0.05018
0.009448	0.83865	-0.0133	0.77442	-0.19283	2.72E-05	-0.08335	0.07193	-0.19015
0.420909	1.78E-21	0.109406	0.01803	0.160902	0.00048	0.106253	0.02165	-0.00262
0.187909	4.38E-05	0.014448	0.7555	0.019839	0.66892	0.00428	0.92651	-0.0596
0.16091	0.00048	0.045024	0.33161	0.039035	0.4	0.0198	0.66954	0.001046
0.210893	4.29E-06	0.0282	0.54326	0.048814	0.29249	0.032806	0.47942	-0.02029
0.224998	9.00E-07	0.052757	0.25519	0.125781	0.00649	0.067262	0.1467	0.004542
0.113497	0.01413	0.013933	0.76395	-0.03803	0.41224	0.014667	0.75191	-0.03659
0.19236	2.85E-05	0.054839	0.23689	0.087607	0.05852	0.043606	0.34709	-0.03287
0.12492	0.00687	0.025936	0.57611	-0.04869	0.29369	-0.01766	0.70354	-0.0298
0.104679	0.02368	-0.05685	0.22014	0.006626	0.88645	-0.02032	0.66139	0.184313
0.174159	0.00016	0.002374	0.9592	0.026784	0.5637	-0.01443	0.7558	-0.035
0.102661	0.02653	-0.00692	0.88138	-0.02764	0.5513	0.00113	0.98058	0.028132
0.03395	0.46423	-0.07149	0.12287	-0.04265	0.35781	-0.07717	0.09576	0.02808
0.112047	0.01541	0.00545	0.90649	-0.02748	0.55354	0.030741	0.50753	-0.03652
0.056458	0.22331	0.007389	0.87347	-0.01392	0.76419	0.066605	0.1507	-0.08531
0.126142	0.00634	0.025872	0.57705	0.065211	0.15945	0.034693	0.45449	0.047637
0.142238	0.00206	0.002994	0.94854	0.123944	0.00733	-0.00207	0.96437	-0.00454
0.095871	0.03836	-0.04393	0.34351	-0.06601	0.15439	-0.02172	0.6397	0.031245
0.115334	0.01263	0.018388	0.69186	-0.01954	0.67356	0.028306	0.54174	-0.01937
0.199111	1.46E-05	0.340352	3.96E-14	0.281653	5.79E-10	0.316491	2.53E-12	0.102032
0.179885	9.27E-05	-0.08677	0.06098	-0.02225	0.63154	-0.05172	0.26471	0.040697
0.084752	0.06727	0.057463	0.21516	-0.00906	0.84523	0.039932	0.38926	-0.05635
0.18005	9.13E-05	-0.00134	0.97704	0.121933	0.00835	-0.01936	0.67643	-0.01178
0.074367	0.10849	-0.0231	0.61849	-0.08825	0.05669	-0.03967	0.39241	-0.10466
0.18704	4.76E-05	0.054	0.24415	0.097915	0.0344	0.06092	0.18878	-0.00146
0.146769	0.00147	-0.01541	0.73984	-0.00824	0.85908	-0.02592	0.57635	-0.06923
0.155307	0.00076	0.020886	0.65257	0.054717	0.23793	0.000482	0.99171	-0.03933
0.130888	0.00461	-0.04402	0.34256	-0.0059	0.8989	-0.07559	0.1028	0.028404
0.141268	0.00221	0.091228	0.04881	0.088896	0.05489	0.159134	0.00056	0.061243
0.052117	0.26101	0.101372	0.02849	0.130758	0.00465	0.197391	1.73E-05	-0.05575
0.197133	1.78E-05	0.017787	0.70144	0.058219	0.20918	0.019864	0.66854	-0.04907
0.186912	4.82E-05	0.014169	0.76007	0.019246	0.67827	-0.00383	0.93421	0.039068
0.154342	0.00082	0.042271	0.36207	0.019061	0.68118	0.06311	0.17335	-0.06428
0.116891	0.01147	-0.01801	0.69788	0.028816	0.53448	-0.03129	0.49991	0.01849
0.18055	8.73E-05	0.036445	0.43203	0.139928	0.00244	0.012925	0.78057	-0.04362
0.75924	8.78E-89	0.173766	0.00016	0.24793	5.68E-08	0.19866	1.53E-05	0.005527
0.103875	0.02478	0.020219	0.66298	0.050557	0.27557	-0.01369	0.76793	0.055864

0.08586	0.06375	-0.00706	0.87901	0.030614	0.50928	0.007755	0.86727	0.018558
0.157542	0.00063	0.034401	0.45831	0.060457	0.19218	-0.01059	0.81941	-0.00713
0.146113	0.00155	0.049065	0.29001	0.014465	0.75521	0.048523	0.29538	-0.03295
0.089769	0.05254	0.015415	0.7397	-0.03877	0.4032	0.025069	0.58894	-0.03695
0.044688	0.33524	0.006793	0.8836	-0.07189	0.1208	-0.00045	0.99228	-0.11392
0.121762	0.00844	0.084725	0.06735	0.040262	0.38534	0.084596	0.06777	0.001845
0.216678	2.29E-06	0.080965	0.08049	0.024395	0.59899	0.074891	0.10602	-0.04095
0.067103	0.14766	-0.00105	0.98189	0.048196	0.29865	0.049252	0.28817	0.079534
0.100083	0.03058	-0.02411	0.6032	-0.02598	0.57546	-0.01572	0.73474	-0.02613
0.129661	0.00501	0.0126	0.78596	-0.0158	0.73337	0.037619	0.41733	-0.03018
0.109628	0.01779	-0.03713	0.42345	-0.06519	0.1596	-0.03303	0.47647	0.06422
0.129189	0.00517	0.094675	0.04085	0.063778	0.16883	0.043436	0.34897	0.029994
0.122344	0.00813	0.081144	0.07982	0.070582	0.12773	0.058059	0.21044	0.038848
0.150968	0.00107	0.065735	0.15611	-0.00375	0.93553	0.060088	0.1949	-0.03128
0.066843	0.14923	0.038662	0.40452	0.022553	0.62687	0.023851	0.60716	0.006601
0.156449	0.00069	-0.01518	0.74358	-0.01398	0.76314	-0.02506	0.58913	-0.085
0.14008	0.00241	-0.02052	0.65823	0.063013	0.17401	-0.01948	0.67458	-0.03336
0.164776	0.00035	0.057545	0.21451	0.027135	0.5586	0.076334	0.09944	-0.03876
0.142067	0.00209	0.005769	0.90105	0.037888	0.41401	0.069155	0.13564	0.06782
0.099731	0.03118	0.002903	0.95011	-0.06104	0.18791	-0.00784	0.86582	-0.0717
0.164414	0.00036	0.064631	0.1632	0.032921	0.47788	0.073485	0.11276	-0.0026
0.1298	0.00496	0.020574	0.65742	-0.05281	0.2547	0.020133	0.66431	-0.0792
0.075905	0.10136	0.006836	0.88287	0.053681	0.24695	0.016584	0.72076	0.101729
0.127111	0.00595	0.107355	0.02032	0.138854	0.00264	0.14434	0.00176	0.011055
0.118426	0.01043	0.040121	0.38701	0.002561	0.95598	0.023538	0.6119	-0.08341
0.199289	1.43E-05	0.015049	0.74566	0.050096	0.27998	0.018643	0.68781	0.01074
0.175021	0.00014	0.01148	0.80458	0.038022	0.41235	0.012544	0.78688	-0.03771
0.213529	3.23E-06	0.052282	0.2595	0.120619	0.00908	-0.00396	0.93195	-0.04873
0.162322	0.00043	0.021916	0.63665	0.09164	0.04779	-0.0315	0.49709	0.064672
0.113279	0.01431	-0.09421	0.04185	-0.00507	0.91298	-0.09055	0.05052	0.131516
0.115833	0.01225	0.120046	0.00941	0.02566	0.58017	0.068511	0.13933	-0.10789
0.125135	0.00678	-0.02744	0.55413	-0.05681	0.22042	-0.05594	0.22761	-0.10663
0.176102	0.00013	-0.00396	0.93198	0.037048	0.42443	0.004233	0.9273	-0.02113
0.1481	0.00133	-0.02591	0.57644	-0.03392	0.46463	-0.01615	0.72781	-0.04117
0.129317	0.00513	-0.00654	0.88784	-0.00303	0.94796	-0.0078	0.86651	-0.08367
0.119287	0.00988	-0.00155	0.97329	0.060897	0.18895	-0.01703	0.71354	-0.01798
0.076436	0.09899	0.010364	0.82325	0.050269	0.27833	-0.02886	0.53384	-2.17E-07
0.112936	0.01461	0.132034	0.00426	0.085461	0.065	0.172613	0.00018	0.42918
0.094708	0.04078	0.037937	0.4134	0.003734	0.93586	0.090377	0.05096	0.262665
0.04118	0.37459	0.034054	0.46285	0.054641	0.23859	0.106435	0.02142	0.318104
0.132056	0.00425	0.05277	0.25507	0.144139	0.00179	0.019869	0.66846	-0.00131
0.235995	2.48E-07	0.134855	0.0035	0.160763	0.00049	0.154623	0.0008	-0.03491
0.156481	0.00069	0.022169	0.63276	0.004277	0.92655	0.002351	0.95959	-0.0601
0.205182	7.83E-06	-0.06037	0.19278	0.001725	0.97034	-0.0337	0.46749	0.116925
0.057235	0.217	0.008864	0.84848	-0.06325	0.17236	-0.03528	0.44687	-0.07274

0.126992	0.00599	0.03114	0.50203	0.010962	0.81323	0.035594	0.44286	-0.08584
0.082376	0.07534	-0.03711	0.42363	-0.05065	0.27467	-0.02311	0.61843	-0.10442
0.094601	0.04101	0.012144	0.79352	-0.08598	0.06337	-0.02179	0.63853	-0.09158
0.151529	0.00102	0.040822	0.37876	0.077138	0.09592	0.05877	0.2049	0.106406
0.201708	1.12E-05	0.090061	0.05178	0.104799	0.02352	0.09007	0.05175	-0.0147
0.184957	5.80E-05	0.052436	0.2581	0.040838	0.37858	0.048703	0.29359	-0.04539
0.16927	0.00024	0.147541	0.00139	0.113132	0.01444	0.177743	0.00011	0.013881
0.021667	0.64048	-0.07022	0.12968	-0.00134	0.97693	-0.04727	0.30808	0.121402
0.079831	0.08484	-0.05632	0.22447	0.013395	0.7728	-0.04495	0.33244	-0.02533
0.125497	0.00662	0.009762	0.83336	0.012431	0.78875	0.022913	0.62139	-0.07277
0.160528	0.0005	0.012594	0.78605	0.049285	0.28785	-0.01916	0.67967	-0.03751
0.100414	0.03003	-0.00724	0.87607	-0.0103	0.82439	0.024541	0.5968	0.035636
0.138547	0.0027	0.02112	0.64894	-0.04455	0.33678	0.022918	0.62131	-0.07374
0.171582	0.00019	0.137161	0.00298	0.115713	0.01234	0.09514	0.03987	0.016908
0.296708	6.04E-11	0.364006	4.45E-16	0.289638	1.78E-10	0.261669	9.48E-09	0.045857
0.150342	0.00112	-0.00411	0.92948	0.072195	0.11923	-0.02389	0.60652	-0.02969
0.039343	0.39629	0.054998	0.23553	0.01434	0.75727	0.010886	0.8145	-0.00129
0.049201	0.28867	0.05569	0.22968	0.016444	0.72301	0.039775	0.39113	0.014662
0.15164	0.00101	0.041242	0.37387	-0.00218	0.9625	0.072275	0.11882	-0.07132
0.141797	0.00213	0.014029	0.76238	-0.03655	0.43069	0.038577	0.40556	-0.05478
0.127583	0.00576	0.041384	0.37223	0.003072	0.94721	0.050982	0.27155	-0.04819
0.116947	0.01143	-0.00607	0.89587	-0.04508	0.33104	0.00037	0.99363	-0.0503
0.130139	0.00485	0.042411	0.36047	-0.0116	0.80258	0.040246	0.38554	-0.0364
0.145311	0.00164	0.046217	0.31895	0.027334	0.55572	0.049558	0.28519	-0.06252
0.123663	0.00746	0.01996	0.66703	-0.00132	0.97731	0.034352	0.45894	-0.0554
0.101388	0.02847	-0.00965	0.83525	-0.05568	0.22973	-0.00083	0.98578	-0.09669
0.152127	0.00097	0.051998	0.26211	0.061841	0.18217	0.050659	0.27461	-0.01648
0.111363	0.01606	-0.01354	0.77037	0.007846	0.86572	0.003134	0.94614	-0.03468
0.059947	0.19596	0.032197	0.48762	-0.01614	0.72796	0.013948	0.7637	-0.08561
0.183838	6.44E-05	0.053618	0.24751	0.048904	0.2916	0.049313	0.28757	-0.03102
0.182716	7.14E-05	0.039691	0.39213	0.06869	0.13829	0.045114	0.33065	0.014279
0.142739	0.00199	0.019108	0.68044	0.060396	0.19262	0.044278	0.3397	0.033206
0.103804	0.02488	0.018143	0.69576	-0.01612	0.72833	0.03554	0.44355	0.053586
0.108014	0.01955	0.026772	0.56386	-0.02709	0.55926	0.010664	0.81821	-0.03824
0.145833	0.00158	0.054747	0.23768	0.005058	0.91319	0.029622	0.52311	-0.01859
0.16864	0.00025	0.045352	0.3281	0.01626	0.726	0.064112	0.16661	-0.01276
0.115068	0.01284	0.063209	0.17267	-0.01666	0.71948	0.056685	0.22145	-0.03717
0.172068	0.00019	0.015546	0.73757	0.030833	0.50625	0.016927	0.71522	-0.04197
0.06786	0.14313	-0.02286	0.62221	-0.01207	0.79483	-0.02736	0.5553	-0.04664
0.064997	0.16082	0.035749	0.44087	-0.00684	0.88281	0.050534	0.27579	-0.03751
0.075431	0.10352	-0.03006	0.51701	-0.01966	0.67178	-0.02221	0.63214	-0.05481
0.20429	8.59E-06	0.027025	0.5602	0.017839	0.7006	0.006611	0.8867	-0.05452
0.142894	0.00196	0.036393	0.43268	-0.01042	0.82225	0.028888	0.53346	-0.01029
0.12584	0.00647	0.105758	0.02227	0.16126	0.00047	0.171016	0.0002	0.067605
0.071888	0.12081	-0.01348	0.77138	-0.02602	0.5748	0.026018	0.5749	-0.04817

0.077198	0.09566	-0.051	0.27139	-0.07071	0.12703	-0.06447	0.16422	0.014954
0.18302	6.95E-05	0.037274	0.42161	0.062284	0.17906	0.022931	0.62111	-0.06373
0.232631	3.70E-07	0.102469	0.02681	0.114355	0.01341	0.001496	0.97427	-0.08987
0.104549	0.02385	-0.00874	0.85059	0.056621	0.22197	-0.0272	0.55767	-0.00844
0.146213	0.00153	0.04438	0.33859	0.037496	0.41886	0.0257	0.57959	-0.0878
0.160716	0.00049	0.070569	0.1278	0.029473	0.5252	0.061337	0.18577	-0.02447
0.157061	0.00066	0.021307	0.64604	0.029432	0.52577	0.038146	0.41083	0.006652
0.090204	0.05141	-0.00641	0.89006	-0.01517	0.74372	-0.02221	0.63213	-0.05794
0.066169	0.15339	0.034937	0.45133	-0.01058	0.81957	-0.00695	0.88088	-0.05871
0.128762	0.00532	0.049048	0.29018	-0.03698	0.42523	0.020382	0.66043	-0.04587
0.13948	0.00252	0.022682	0.6249	0.02653	0.56741	0.002562	0.95596	-0.03231
0.176087	0.00013	0.049153	0.28915	0.114347	0.01342	0.035675	0.44183	-0.0068
0.128138	0.00555	0.104511	0.02391	0.124467	0.00708	0.047894	0.30169	0.039075
0.199997	1.33E-05	0.049778	0.28305	0.065262	0.15912	0.066195	0.15323	-0.00232
0.204068	8.79E-06	0.050787	0.2734	0.070443	0.12849	0.03017	0.51544	0.054938
0.173321	0.00017	0.2346	2.93E-07	0.133691	0.0038	0.180617	8.67E-05	0.02308
0.24991	4.42E-08	0.194396	2.34E-05	0.199858	1.35E-05	0.204593	8.32E-06	0.021744
0.094077	0.04214	-0.00906	0.84516	-0.00546	0.90634	-0.02484	0.59239	-0.06756
0.135283	0.0034	-0.01583	0.73295	-0.00892	0.8475	0.003608	0.93802	0.053334
0.188093	4.31E-05	0.005744	0.90148	-0.00826	0.85876	0.003537	0.93923	-0.0841
0.408881	3.02E-20	0.087172	0.05979	0.085882	0.06368	0.109839	0.01757	0.00255
0.080284	0.08308	-0.11271	0.01481	-0.05356	0.24801	-0.1474	0.0014	0.015458
0.127711	0.00571	0.0171	0.71245	0.062307	0.1789	-0.04369	0.34618	-0.00772
0.115854	0.01223	-0.00219	0.96238	-0.03941	0.39554	-0.03037	0.51272	-0.06844
0.180711	8.60E-05	0.045915	0.32213	0.094092	0.04211	0.033546	0.46955	-0.02959
0.217219	2.16E-06	0.131968	0.00428	0.139235	0.00257	0.10494	0.02333	0.058554
0.169477	0.00023	0.066125	0.15367	0.045976	0.32148	0.072248	0.11896	-0.03999
0.105506	0.02259	-0.03907	0.39963	-0.0162	0.72703	-0.05155	0.26625	0.003659
0.142728	0.00199	0.039187	0.39817	0.032289	0.48638	0.024766	0.59345	-0.01782
0.161434	0.00046	0.042161	0.36331	0.0865	0.0618	0.044574	0.33648	0.016634
0.231577	4.19E-07	0.009717	0.83411	0.016101	0.72856	0.029048	0.53119	-0.01885
0.072626	0.11704	-0.07437	0.10848	-0.11539	0.01258	-0.05464	0.23862	-0.06162
0.077592	0.09397	-0.05954	0.19898	0.052193	0.26031	-0.06344	0.17114	0.114091
0.111518	0.01591	-0.00232	0.96014	0.040874	0.37816	0.007888	0.865	-0.09029
0.172665	0.00018	0.088068	0.0572	0.039664	0.39245	0.085811	0.0639	-0.03036
0.175082	0.00014	0.096575	0.03695	0.076266	0.09974	0.03386	0.46541	0.006155
0.088184	0.05687	-0.00835	0.85726	-0.06273	0.17599	0.008387	0.85655	-0.02673
0.072641	0.11696	0.001127	0.98062	-0.04014	0.38673	-0.01768	0.70311	-0.09203
0.158904	0.00057	0.022299	0.63077	0.042169	0.36323	0.021491	0.64319	0.03623
0.155829	0.00073	0.133126	0.00395	0.141593	0.00216	0.200041	1.33E-05	-0.00334
0.164588	0.00035	0.060457	0.19218	0.000983	0.83221	0.047864	0.30199	-0.04378
0.086592	0.06152	0.008991	0.84635	0.009661	0.83506	0.053134	0.25181	0.123108
0.178335	0.00011	0.04636	0.31745	0.024569	0.5964	0.047074	0.31005	-0.04164
0.179394	9.70E-05	0.043182	0.3518	0.021338	0.64556	-0.01665	0.71971	-0.05587
0.142103	0.00208	0.072775	0.11629	0.053714	0.24666	0.086178	0.06277	-0.03179

0.136626	0.00309	0.050612	0.27505	0.041168	0.37473	0.04943	0.28644	0.044039
0.164808	0.00035	0.015469	0.73882	-0.03483	0.45267	0.045918	0.32209	-0.0038
0.101091	0.02894	0.072351	0.11844	0.038328	0.40861	0.118915	0.01011	-0.01925
0.134977	0.00347	-0.03275	0.48023	0.022436	0.62867	0.030629	0.50907	0.243144
0.143233	0.00192	-0.05265	0.25614	0.028586	0.53775	-0.04331	0.35035	0.046189
0.306879	1.22E-11	0.208987	5.25E-06	0.199568	1.39E-05	0.192289	2.87E-05	0.016575
0.152688	0.00093	0.017431	0.70714	0.011449	0.80509	0.026102	0.57368	0.025067
0.08703	0.06021	0.058387	0.20787	-0.04196	0.36562	0.012098	0.79428	-0.07817
0.121804	0.00841	0.010659	0.8183	-0.00613	0.89487	0.018994	0.68225	-0.02389
0.13568	0.00331	0.04319	0.35171	0.036792	0.42765	0.061102	0.18747	-0.02845
0.107937	0.01964	-0.01234	0.79024	-0.07523	0.10447	-0.04793	0.30136	-0.0936
0.236023	2.47E-07	0.055466	0.23157	0.126381	0.00624	0.0984	0.03351	0.12641
0.093426	0.0436	0.004539	0.92207	0.031785	0.49322	0.042944	0.35446	0.082097
0.088734	0.05534	-0.04474	0.33465	-0.02821	0.54315	-0.02073	0.65501	-0.05352
0.094423	0.04139	0.037128	0.42344	-0.00267	0.9541	0.024728	0.59402	-0.00453
0.154782	0.00079	0.009538	0.83712	0.104566	0.02383	-0.00458	0.92136	-0.01918
0.20339	9.43E-06	0.042288	0.36186	0.163629	0.00038	0.012694	0.7844	-0.0092
0.164845	0.00035	0.106503	0.02134	0.062276	0.17911	0.10061	0.02971	-0.05066
0.148273	0.00131	0.031657	0.49496	0.003776	0.93514	0.038242	0.40966	-0.06837
0.091	0.04937	-0.00809	0.8616	-0.02204	0.63467	0.002338	0.95981	-0.03506
0.128694	0.00535	0.007493	0.8717	0.010966	0.81316	0.027796	0.54905	-0.04521
0.108327	0.0192	-0.01176	0.79983	0.082781	0.07391	0.037148	0.4232	0.030661
0.160074	0.00052	0.00196	0.9663	-0.02295	0.62078	0.008557	0.85368	-0.08489
0.154472	0.00081	0.029006	0.53179	-0.00218	0.96256	0.036137	0.43593	-0.05233
0.18781	4.42E-05	0.025757	0.57874	0.069361	0.13448	0.038011	0.41249	-0.01774
0.162372	0.00043	0.021842	0.63778	0.018544	0.68938	0.018783	0.68559	-0.05809
0.144733	0.00171	0.019941	0.66733	-0.02805	0.54537	0.031421	0.49818	-0.0485
0.176178	0.00013	-0.00793	0.86437	0.062928	0.1746	0.010162	0.82664	0.007831
0.161504	0.00046	0.061738	0.18291	0.024422	0.59859	0.069818	0.13192	-0.04219
0.175039	0.00014	0.015425	0.73953	0.033612	0.46869	0.023416	0.61374	-0.02599
0.181443	8.04E-05	0.070804	0.12653	0.046147	0.31968	0.054905	0.23633	-0.0402
0.169466	0.00023	0.031462	0.49762	0.027548	0.55262	0.056745	0.22097	-0.03009
0.166073	0.00031	0.054437	0.24035	0.042109	0.36391	0.058866	0.20416	-0.03169
0.182656	7.18E-05	0.058318	0.20841	0.110998	0.01641	0.042255	0.36225	0.022292
0.198219	1.60E-05	0.040319	0.38467	0.100492	0.02991	0.059841	0.19675	-0.01696
0.212668	3.54E-06	0.098976	0.03248	0.120909	0.00891	0.100936	0.02919	0.028859
0.103727	0.02499	-0.04933	0.28745	-0.09944	0.03168	-0.09439	0.04147	-0.05978
0.165694	0.00032	-0.0118	0.79922	0.000509	0.99125	-0.01412	0.76086	-0.01006
0.16289	0.00041	0.029297	0.52768	0.039371	0.39596	0.040177	0.38635	-0.04131
0.180885	8.46E-05	0.015097	0.74488	-0.00169	0.97088	0.018104	0.69638	-0.06235
0.133968	0.00373	0.030613	0.5093	-0.00667	0.88564	0.046964	0.31118	-0.07153
0.18333	6.75E-05	0.05076	0.27365	0.037644	0.41703	0.031025	0.5036	-0.05041
0.117295	0.01119	-0.02091	0.65216	-0.03759	0.41774	-0.00895	0.84707	-0.09687
0.137163	0.00298	-0.02288	0.62186	0.026827	0.56307	0.004717	0.91903	-0.02929
0.138481	0.00271	0.030122	0.51612	-0.01865	0.68764	0.033631	0.46844	-0.07491

0.057069	0.21833	0.005411	0.90716	-0.00655	0.88775	0.033339	0.4723	-0.0438
0.17929	9.79E-05	0.019274	0.67782	0.066647	0.15043	0.028815	0.53449	0.004186
0.113216	0.01437	0.005445	0.90658	-0.01022	0.82569	0.019021	0.68182	-0.05738
0.110435	0.01697	0.021003	0.65076	-0.03227	0.48664	0.032836	0.47902	-0.08458
0.164145	0.00037	0.016935	0.7151	0.010967	0.81314	0.034369	0.45872	-0.06774
0.145608	0.0016	0.033208	0.47405	0.00449	0.9229	0.033527	0.46981	-0.03777
0.145213	0.00165	0.043717	0.34586	0.034837	0.45262	0.043263	0.35089	-0.05032
0.12601	0.0064	-0.03903	0.40012	-0.00985	0.83192	-0.00932	0.84087	0.051334
0.110548	0.01685	0.025626	0.58068	-0.00649	0.88873	0.071518	0.12275	0.034919
0.120129	0.00936	0.01692	0.71534	0.073307	0.11364	0.016522	0.72175	-0.01444
0.198275	1.59E-05	0.025653	0.58028	0.058461	0.2073	0.019423	0.67547	-0.04132
0.114145	0.01358	-0.01418	0.75988	-0.02019	0.66343	0.014714	0.75114	-0.02598
0.161635	0.00045	0.05849	0.20707	0.048886	0.29178	0.072685	0.11674	-0.02518
0.100724	0.02953	0.0311	0.50257	0.010779	0.81629	0.041859	0.36676	-0.03814
0.074583	0.10747	0.007736	0.86758	-0.03276	0.48004	0.01948	0.67458	-0.07787
0.05449	0.23989	-0.00144	0.97526	-0.02414	0.60279	-0.00318	0.94541	-0.02352
0.08073	0.08138	0.036067	0.43681	-0.02025	0.6625	0.045936	0.3219	-0.05971
0.119147	0.00996	0.008063	0.86204	0.018966	0.68269	0.026979	0.56085	-0.05453
0.109023	0.01844	-0.01558	0.73703	-0.06261	0.17677	-0.01908	0.6809	-0.06759
0.156544	0.00069	0.032561	0.48272	-0.01146	0.80496	0.039062	0.39968	-0.06665
0.113199	0.01438	-0.03686	0.42682	-0.03303	0.47648	-0.03339	0.47158	-0.00777
0.164842	0.00035	-0.02207	0.6342	-0.0374	0.4201	-0.01535	0.74079	-0.02929
0.079199	0.08734	0.127242	0.0059	0.102566	0.02667	0.04443	0.33805	0.007504
0.197627	1.69E-05	0.062563	0.17712	0.074432	0.10818	0.040075	0.38756	-0.00501
0.146809	0.00147	0.052302	0.25932	0.066247	0.15291	0.065538	0.15736	-0.02275
0.182151	7.53E-05	0.028694	0.53622	0.033859	0.46543	0.029103	0.53042	-0.04664
0.16467	0.00035	0.00333	0.94279	0.069941	0.13124	0.008223	0.85932	0.054194
0.132963	0.004	0.034369	0.45872	-0.02132	0.64589	0.038885	0.40182	-0.06593
0.147215	0.00142	0.046076	0.32043	0.00319	0.94518	0.049073	0.28993	-0.05733
0.172922	0.00017	0.040836	0.3786	0.048101	0.2996	0.030919	0.50506	-0.05097
0.12222	0.00819	0.00862	0.85262	-0.03797	0.41297	0.003874	0.93346	-0.08354
0.213218	3.34E-06	0.014086	0.76143	0.100445	0.02998	0.032094	0.48901	0.010511
0.143157	0.00193	0.000575	0.99011	-0.01334	0.77374	0.011551	0.8034	-0.05671
0.175665	0.00014	0.018302	0.69322	0.016299	0.72537	0.025516	0.5823	-0.04777
0.13436	0.00363	0.010673	0.81807	0.04693	0.31154	0.030876	0.50566	-0.00535
0.218242	1.93E-06	0.052711	0.2556	0.09888	0.03265	0.071484	0.12292	-0.02569
0.183825	6.44E-05	0.035491	0.44418	0.037734	0.41591	0.048699	0.29363	-0.07024
0.129674	0.00501	0.044241	0.3401	0.065328	0.1587	0.019172	0.67943	-0.04006
0.142989	0.00195	0.051795	0.26398	0.014607	0.75289	0.064548	0.16374	-0.0564
0.15374	0.00086	0.041269	0.37356	4.13E-05	0.99929	0.039178	0.39828	-0.05802
0.13561	0.00332	-0.00319	0.94521	0.010536	0.82037	-0.00414	0.92896	-0.03169
0.161122	0.00047	0.009312	0.84093	0.007005	0.87999	0.030098	0.51645	-0.05359
0.150319	0.00112	0.058008	0.21084	0.015966	0.73075	0.056148	0.22587	-0.07312
0.19757	1.70E-05	0.058294	0.2086	0.038931	0.40126	0.052874	0.25414	-0.05008
0.108959	0.01851	0.009523	0.83738	0.038943	0.40112	-9.11E-06	0.99984	-0.01718



0.178346	0.00011	0.042616	0.35815	0.119641	0.00966	0.041074	0.37583	-0.02328
0.145363	0.00163	0.04217	0.36321	0.004813	0.91739	0.042823	0.35582	-0.07674
0.210295	4.57E-06	-0.02141	0.64444	0.111866	0.01558	-0.00543	0.90684	0.014441
0.12763	0.00574	-0.05721	0.21719	0.029139	0.52991	-0.06316	0.17301	0.02802
0.182371	7.38E-05	0.050681	0.27439	0.054387	0.24078	0.055587	0.23055	0.013036
0.208376	5.60E-06	0.102998	0.02603	0.104209	0.02432	0.076461	0.09888	0.008281
0.170853	0.00021	0.051493	0.26677	0.062849	0.17514	0.051727	0.2646	-0.02538
0.115141	0.01278	0.050762	0.27363	-0.02269	0.62482	0.044457	0.33775	-0.09334
0.153621	0.00087	0.006135	0.89481	0.017119	0.71214	-0.00898	0.84652	-0.04099
0.14418	0.00179	-0.01042	0.82229	0.093768	0.04283	0.00989	0.8312	0.028576
0.164931	0.00034	0.049533	0.28543	0.055914	0.22781	0.046934	0.31149	-0.01281
0.205179	7.83E-06	0.039647	0.39265	0.041192	0.37445	0.049596	0.28482	0.029921
0.15379	0.00085	0.046398	0.31706	0.054357	0.24104	0.037907	0.41378	-0.02332
0.183523	6.63E-05	0.073182	0.11425	0.05293	0.25364	0.052491	0.2576	-0.03894
0.087832	0.05788	-0.01474	0.75067	-0.02928	0.5279	-0.00894	0.84726	-0.09046
0.134651	0.00355	0.020395	0.66022	-0.02245	0.62846	0.026215	0.57202	-0.06337
0.142505	0.00202	0.027856	0.54818	0.03691	0.42617	0.031367	0.49891	0.042779
0.183638	6.56E-05	0.049541	0.28535	0.024922	0.59112	0.067895	0.14292	-0.02592
0.13676	0.00306	-0.02634	0.57017	-0.02198	0.6356	-0.00217	0.96273	-0.06795
0.146023	0.00156	0.060701	0.19038	0.065915	0.15498	0.057298	0.21649	-0.00705
0.177893	0.00011	0.030644	0.50887	0.034584	0.45591	0.044704	0.33507	-0.05247
0.112569	0.01494	-0.02515	0.58774	-0.01611	0.72839	-0.00883	0.84912	-0.06383
0.210757	4.35E-06	0.061296	0.18607	0.062276	0.17911	0.051267	0.26888	-0.00431
0.075219	0.1045	0.041992	0.36524	0.03916	0.3985	0.026698	0.56495	0.037674
0.11613	0.01203	0.013278	0.77474	0.020282	0.66199	0.021287	0.64635	-0.05537
0.087787	0.058	-0.0356	0.44278	-0.03503	0.45019	-0.00496	0.91486	-0.06652
0.092308	0.04618	0.016102	0.72856	0.037636	0.41711	0.031753	0.49364	-0.05761
0.185371	5.57E-05	0.049139	0.28929	0.031403	0.49842	0.050023	0.28068	-0.04579
0.150763	0.00108	0.057523	0.21468	0.035091	0.44933	0.063576	0.17019	-0.00028
0.163786	0.00038	-0.01441	0.7562	-0.02236	0.62979	-0.03817	0.41058	-0.08075
0.174844	0.00015	0.050181	0.27917	0.144496	0.00174	0.05421	0.24232	0.010015
0.168071	0.00026	0.021529	0.64261	0.001524	0.97381	0.035527	0.44371	-0.04929
0.101119	0.02889	0.002812	0.95168	-0.0712	0.12442	-0.00158	0.97283	-0.06949
0.087788	0.058	-0.04689	0.31197	0.006155	0.89447	-0.0591	0.20234	-0.04888
0.195755	2.04E-05	-0.03545	0.44466	0.01911	0.68042	-0.03883	0.40253	-0.08835
0.148224	0.00132	0.058488	0.20708	0.049567	0.2851	0.075548	0.10298	0.004686
0.191721	3.04E-05	0.059073	0.20257	0.048086	0.29976	0.059401	0.20007	0.016152
0.124697	0.00698	-0.05546	0.23161	-0.00847	0.85518	-0.02392	0.60608	-0.03711
0.122062	0.00828	0.057409	0.2156	0.034563	0.45619	0.066748	0.14982	0.073605
0.096504	0.03709	0.019958	0.66707	0.129054	0.00522	0.010498	0.82099	0.073804
0.046231	0.31881	-0.06536	0.15849	-0.018	0.69799	-0.08309	0.07283	-0.01761
0.093349	0.04377	0.014626	0.75257	0.027303	0.55617	0.023974	0.60532	0.007918
0.176052	0.00013	0.127366	0.00585	0.04209	0.36413	0.129023	0.00523	-0.00557
0.178977	0.0001	0.045606	0.3254	0.026931	0.56156	0.050649	0.2747	-0.00381
0.465779	1.59E-26	0.069457	0.13393	0.049286	0.28784	0.066412	0.15189	-0.03288

0.068852	0.13736	0.0253	0.58551	-0.03035	0.51298	0.029614	0.52321	0.005405
0.192181	2.90E-05	0.015693	0.73518	0.013464	0.77166	0.024002	0.6049	-0.01502
0.132154	0.00423	0.055006	0.23546	0.113394	0.01421	0.065396	0.15826	0.100188
0.203002	9.81E-06	0.075442	0.10347	0.066698	0.15012	0.03024	0.51447	-0.0336
0.174101	0.00016	0.024093	0.60353	0.039791	0.39093	0.047745	0.3032	-0.01852
0.20028	1.30E-05	0.074108	0.10973	0.136921	0.00303	0.039365	0.39602	0.013423
0.133067	0.00397	0.037454	0.41938	0.020558	0.65768	0.005731	0.9017	-0.01606
0.168762	0.00025	0.049551	0.28525	-0.0077	0.86822	0.040476	0.38282	-0.05318
0.083737	0.07062	-0.02969	0.52216	-0.05637	0.224	-0.02886	0.53387	0.05726
0.126943	0.00601	0.012483	0.7879	-0.02604	0.5746	-0.00255	0.95616	0.011275
0.161278	0.00047	0.033111	0.47534	-0.02402	0.60467	0.011975	0.79633	-0.0683
0.115848	0.01224	0.049179	0.28889	0.013595	0.76952	0.055008	0.23544	-0.08539
0.06103	0.18799	-0.0414	0.37203	-0.03407	0.46264	-0.00228	0.96079	-0.02249
0.148442	0.00129	-0.02862	0.53732	0.023298	0.61553	-0.02879	0.53484	-0.01633
0.153166	0.0009	0.039858	0.39014	0.022473	0.6281	0.047124	0.30954	-0.04936
0.248124	5.55E-08	0.050843	0.27287	0.013854	0.76525	0.052979	0.25319	-0.01479
0.136822	0.00305	0.020777	0.65427	-0.03881	0.40274	-0.01549	0.73844	-0.0483
0.089708	0.05271	-0.02049	0.65881	-0.06838	0.1401	-0.00203	0.96512	-0.05173
0.120772	0.00899	0.026108	0.57359	-0.04237	0.3609	-0.02002	0.66607	-0.06561
0.111444	0.01598	0.015499	0.73833	-0.05412	0.24313	-0.02499	0.59016	-0.05056
0.129863	0.00494	0.01459	0.75316	-0.00652	0.88819	-0.00916	0.84347	-0.00896
0.118732	0.01023	0.026391	0.56944	-0.04797	0.30095	-0.00846	0.85537	-0.05005
0.09043	0.05082	0.060114	0.19471	0.100419	0.03003	0.080575	0.08196	0.110128
0.180058	9.13E-05	0.064725	0.16258	0.07824	0.09125	0.072902	0.11565	-0.0415
0.164746	0.00035	-0.00939	0.83964	0.03172	0.49409	-0.0422	0.36292	-0.07463
0.198353	1.57E-05	0.022681	0.62492	0.074913	0.10592	0.016487	0.72232	-0.02574
0.124913	0.00688	0.040203	0.38604	-0.01726	0.70994	0.053693	0.24685	-0.04628
0.38251	1.02E-17	0.112912	0.01463	0.13965	0.00249	0.088866	0.05498	0.044788
0.065226	0.15935	0.031787	0.49318	-0.02967	0.52247	0.001845	0.96829	-0.07768
0.042034	0.36477	-0.03599	0.43773	-0.04042	0.3835	-0.04611	0.32002	0.061008
0.130384	0.00477	-0.0337	0.46753	-0.06409	0.16676	-0.02601	0.57507	0.129044
0.126562	0.00617	0.050019	0.28072	0.08641	0.06206	0.027801	0.54899	-0.05078
0.156875	0.00067	0.064124	0.16653	0.01385	0.76531	0.043879	0.34407	-0.05991
0.127422	0.00583	0.063413	0.17129	0.085013	0.06642	0.099725	0.03119	0.105685
0.145859	0.00157	0.076603	0.09825	0.049778	0.28305	0.060796	0.18969	-0.02573
0.218876	1.79E-06	0.004518	0.92243	-0.00381	0.93458	-0.01203	0.79549	-0.02982
0.146152	0.00154	0.078799	0.08895	0.095893	0.03831	0.056592	0.22221	-0.02144
0.087974	0.05747	0.000573	0.99015	0.029788	0.52079	-0.05234	0.25894	-0.02144
0.106792	0.02099	0.009831	0.8322	0.011129	0.81043	0.025019	0.58968	0.045776
0.212024	3.80E-06	0.075057	0.10525	0.162242	0.00043	0.069786	0.1321	0.059553
0.151436	0.00103	0.051702	0.26483	0.029735	0.52153	0.012393	0.78939	-0.0574
0.154487	0.00081	0.03573	0.44111	0.008463	0.85528	0.05196	0.26245	-0.06933
0.049285	0.28785	0.001889	0.96753	0.008662	0.85191	0.001931	0.96681	-0.03441
0.079811	0.08492	-0.01152	0.80394	-0.0436	0.34716	0.018291	0.6934	-0.06126
0.065843	0.15543	-0.0358	0.4402	-0.0441	0.34164	-0.05875	0.20505	-0.04715

0.060658	0.1907	0.0337	0.46752	-0.01149	0.80435	0.036893	0.42638	-0.03892
0.191071	3.23E-05	0.022887	0.62178	0.033904	0.46483	0.036073	0.43674	-0.00394
0.179483	9.62E-05	-0.02188	0.63713	-0.13782	0.00284	-0.0334	0.47147	-0.05937
0.078697	0.08937	0.095178	0.03979	-0.02857	0.53803	0.080358	0.08279	-0.06974
0.132847	0.00403	0.006323	0.8916	0.012796	0.78271	0.032859	0.47871	-0.01212
0.10644	0.02142	-0.01153	0.80378	-0.01653	0.72159	-0.02044	0.65952	-0.04369
0.117731	0.01089	0.003924	0.9326	-0.02227	0.63121	-0.02257	0.62656	-0.1081
0.114272	0.01348	-0.05656	0.22245	-0.06102	0.18806	-0.05198	0.26225	-0.04802
0.136792	0.00306	0.01131	0.80741	0.035256	0.4472	0.031428	0.49809	0.05344
0.190082	3.56E-05	0.047811	0.30253	0.048372	0.29688	0.056829	0.22028	-0.03585
0.16481	0.00035	0.056031	0.22683	-0.08065	0.0817	-0.01274	0.78368	-0.01955
0.196562	1.88E-05	-0.01887	0.68413	0.09752	0.03514	-0.03	0.51778	0.016889
0.15265	0.00094	0.007466	0.87216	-0.00627	0.8925	-0.00709	0.87861	-0.00745
0.079719	0.08528	0.004807	0.91749	0.071473	0.12298	0.015905	0.73175	0.033466
0.292222	1.20E-10	0.038685	0.40425	0.09907	0.03232	0.028818	0.53445	0.006264
0.198789	1.51E-05	0.083189	0.07249	0.132571	0.00411	0.031794	0.49309	0.021738
0.124479	0.00708	0.106059	0.02189	0.046293	0.31815	0.06158	0.18403	-0.00845
0.147304	0.00141	0.021129	0.6488	-0.00658	0.88714	0.020103	0.66479	0.073334
0.173694	0.00016	0.003229	0.94451	0.043977	0.343	-0.00955	0.83694	-0.03202
0.144536	0.00174	0.016918	0.71537	-0.03068	0.50838	0.0139	0.76449	-0.05726
0.551253	1.77E-38	0.192129	2.92E-05	0.203782	9.05E-06	0.177309	0.00012	0.036674
0.210385	4.52E-06	0.020864	0.65291	0.05155	0.26624	0.016111	0.7284	-0.03308
0.139893	0.00245	0.016646	0.71976	0.056165	0.22573	-0.01816	0.69549	0.009791
0.085921	0.06356	0.103444	0.02539	0.084813	0.06707	0.100818	0.02938	0.032274
0.110275	0.01713	-0.01007	0.82813	-0.01858	0.68884	-0.02038	0.66039	-0.00816
0.124151	0.00723	0.047837	0.30227	-0.02621	0.57202	0.031635	0.49525	-0.04534
0.115888	0.01221	0.006299	0.892	-0.0103	0.82437	0.019352	0.67659	0.046801
0.202317	1.05E-05	0.070203	0.1298	0.07787	0.09279	0.075588	0.1028	-0.01435
0.1442	0.00178	0.016457	0.72281	-0.03147	0.49746	0.020248	0.66252	-0.03279
0.195667	2.06E-05	-0.01983	0.669	-0.01594	0.73115	-0.01244	0.78857	0.009542
0.197306	1.75E-05	0.059054	0.20271	0.016327	0.72491	0.04663	0.31464	-0.00569
0.177694	0.00011	0.307642	1.08E-11	0.268774	3.60E-09	0.155449	0.00075	0.092888
0.181105	8.29E-05	0.025767	0.57859	0.062984	0.17421	0.017111	0.71226	0.059026
0.068496	0.13941	0.006339	0.89133	-0.05803	0.21064	-0.04469	0.33526	-0.02785
0.204618	8.30E-06	0.045317	0.32847	0.064482	0.16417	0.02132	0.64584	-0.04801
0.40034	2.10E-19	0.203586	9.24E-06	0.14534	0.00164	0.144298	0.00177	-0.02685
0.092486	0.04576	0.014016	0.76258	-0.04524	0.32932	0.030273	0.51401	-0.0927
0.093885	0.04257	0.085971	0.06341	0.044917	0.33276	0.084937	0.06667	-0.08645
0.173061	0.00017	0.045338	0.32825	0.022374	0.62962	0.042295	0.36179	-0.03729
0.638571	7.33E-55	0.275858	1.33E-09	0.373971	5.99E-17	0.3029	2.30E-11	0.102972
0.187941	4.37E-05	0.04012	0.38703	0.021224	0.64733	0.068912	0.13702	-0.02637
0.224158	9.90E-07	0.084966	0.06658	0.160589	0.00049	0.052171	0.26051	-0.00158
0.094164	0.04196	-0.00414	0.92897	-0.02235	0.62994	-0.02903	0.53146	-0.02298
0.093145	0.04423	0.082787	0.07389	0.055822	0.22858	0.096593	0.03692	0.08161
0.130093	0.00487	0.025341	0.58489	-0.01626	0.72597	0.055187	0.23392	-0.05533

0.122943	0.00782	0.024307	0.60032	-0.04999	0.28101	-0.01717	0.71135	-0.01208
0.084874	0.06687	0.003256	0.94405	0.043762	0.34536	-0.01614	0.72789	0.015777
0.160391	0.0005	0.047553	0.30515	0.021772	0.63885	0.040374	0.38403	-0.0508
0.147094	0.00143	0.028443	0.53979	-0.00017	0.99708	0.029933	0.51875	-0.02175
0.280907	6.45E-10	0.114674	0.01315	0.082928	0.07339	0.112681	0.01484	-0.02988
0.178481	0.00011	0.051193	0.26957	0.057711	0.21319	0.051138	0.27008	0.024282
0.123417	0.00758	-0.0893	0.0538	-0.03505	0.4498	-0.07648	0.09877	-0.00722
0.141258	0.00221	0.016288	0.72553	0.020632	0.65653	0.043788	0.34508	-0.03155
0.120599	0.00909	0.011197	0.8093	0.059561	0.19886	0.080149	0.0836	0.027492
0.141276	0.00221	0.023206	0.61693	-0.00649	0.88881	0.032872	0.47854	-0.06871
0.153459	0.00088	0.092957	0.04467	0.042487	0.35961	0.107233	0.02046	-0.03307
0.063595	0.17006	-0.02575	0.57883	-0.02073	0.65502	0.019507	0.67415	0.053745
0.110528	0.01687	-0.02884	0.53412	0.0036	0.93815	-0.0127	0.78437	-0.04339
0.16158	0.00046	-0.04599	0.32132	0.005843	0.89978	-0.06649	0.15142	0.011543
0.192093	2.93E-05	0.059658	0.19813	0.067664	0.14429	0.042129	0.36367	-0.04498
0.169802	0.00023	0.064034	0.16713	0.172658	0.00018	0.076801	0.09738	0.045859
0.216939	2.22E-06	-0.05993	0.19611	0.05325	0.25078	-0.07078	0.12668	0.081118
0.099591	0.03142	0.0071	0.87837	-0.03924	0.39758	0.026483	0.56808	0.0178
0.179441	9.66E-05	0.002426	0.95831	0.038935	0.40121	-0.01258	0.78621	0.004338
0.131156	0.00453	0.020441	0.65951	0.028262	0.54238	-0.01376	0.76673	-0.01183
0.135705	0.0033	-0.01615	0.72778	-0.04867	0.29394	0.014739	0.75074	-0.0374
0.159039	0.00056	0.10865	0.01884	0.06054	0.19156	0.045015	0.33171	-0.07601
0.132985	0.00399	-0.00802	0.86272	0.026008	0.57505	-0.04913	0.28938	-0.0202
0.085509	0.06485	-0.02856	0.5381	-0.03753	0.41849	-0.03432	0.45936	0.04356
0.142351	0.00204	0.060774	0.18985	0.023899	0.60644	0.071585	0.12239	-0.05091
0.152462	0.00095	0.014693	0.75148	0.04087	0.37821	0.035469	0.44446	-0.03363
0.203618	9.21E-06	0.036977	0.42533	0.105299	0.02286	0.034915	0.45161	-0.00515
0.205049	7.94E-06	0.001634	0.97191	0.036104	0.43635	0.032772	0.47988	-0.00767
0.155626	0.00074	0.041101	0.37551	0.005585	0.90419	0.027084	0.55934	-0.06655
0.152777	0.00093	0.158706	0.00058	0.113485	0.01414	0.174755	0.00015	-0.04013
0.19869	1.52E-05	-0.00587	0.89924	0.039351	0.39619	0.018546	0.68934	-0.0345
0.077041	0.09634	0.161516	0.00046	0.026274	0.57115	0.132215	0.00421	-0.05656
0.161338	0.00047	0.054513	0.2397	0.057614	0.21397	0.023498	0.6125	-0.0388
0.201212	1.18E-05	-0.01056	0.81989	0.06597	0.15463	-0.03388	0.46514	0.024712
0.038453	0.40708	-0.06584	0.15545	-0.08481	0.06708	-0.06367	0.16957	-0.0242
0.174721	0.00015	0.028451	0.53967	0.037388	0.4202	0.01639	0.72389	-0.02427
0.076022	0.10083	0.034687	0.45458	0.017639	0.7038	0.043247	0.35107	-0.04951
0.175768	0.00013	0.104078	0.0245	0.120003	0.00944	0.087651	0.0584	0.043298
0.152576	0.00094	0.058962	0.20342	0.010966	0.81316	0.049612	0.28466	0.009811
0.422037	1.36E-21	0.091667	0.04772	0.138547	0.0027	0.129816	0.00496	-0.01186
0.396065	5.45E-19	0.050439	0.2767	0.05001	0.28081	0.077375	0.0949	-0.04611
0.261647	9.50E-09	-0.00106	0.98181	0.022571	0.6266	0.047188	0.30888	-0.04298
0.237426	2.09E-07	0.103129	0.02584	0.160144	0.00051	0.112861	0.01468	0.013897
0.081778	0.07749	-0.04289	0.35504	-0.0412	0.37437	-0.0018	0.96914	-0.05274
0.05706	0.2184	-0.03403	0.46314	-0.07168	0.12192	-0.02909	0.53065	0.032008

0.08655	0.06164	-0.02044	0.65952	-0.05449	0.23989	-0.0183	0.69331	-0.10929
0.054855	0.23675	0.025826	0.57773	0.009851	0.83186	0.063516	0.17059	0.071036
0.044066	0.34202	-0.02826	0.54234	-0.0102	0.82599	0.038078	0.41166	0.046437
0.181506	7.99E-05	0.043791	0.34505	0.137722	0.00286	0.061945	0.18144	0.088817
0.114829	0.01303	0.052428	0.25817	0.04745	0.3062	0.065634	0.15675	0.020205
0.171094	0.0002	0.039109	0.39912	0.074186	0.10936	0.063238	0.17248	-0.00861
0.041021	0.37645	0.001557	0.97323	-0.00679	0.88368	0.023042	0.61943	-0.06206
0.035321	0.44637	0.011842	0.79854	-0.00466	0.92007	-0.00096	0.98355	-0.00452
0.147579	0.00138	0.018969	0.68263	-0.01349	0.77117	0.027723	0.5501	-0.04156
0.151618	0.00101	0.023625	0.61057	0.009005	0.84612	0.028869	0.53372	-0.0465
0.120945	0.00889	0.042615	0.35816	0.001307	0.97752	0.033596	0.4689	-0.00167
0.221725	1.30E-06	-0.0354	0.44535	0.057512	0.21478	-0.06177	0.18267	-0.01534
0.171047	0.0002	0.050644	0.27475	0.058953	0.20349	0.049144	0.28923	-0.02159
0.138941	0.00262	-0.00781	0.86628	0.112779	0.01475	-0.06932	0.13468	-0.03356
0.158147	0.0006	-0.02192	0.63663	0.060168	0.19431	-0.03754	0.41837	0.020728
0.138311	0.00274	0.049224	0.28845	-0.01205	0.79512	0.03588	0.4392	-0.06154
0.093197	0.04412	-0.02126	0.6467	-0.03783	0.41468	0.016881	0.71598	0.002209
0.213394	3.27E-06	0.078437	0.09044	0.111173	0.01624	0.074357	0.10854	0.011207
0.162703	0.00042	0.061007	0.18815	0.016444	0.72302	0.032561	0.48271	-0.02357
-0.01207	0.79479	-0.22859	5.95E-07	-0.03572	0.44125	-0.37811	2.55E-17	0.046186
0.04654	0.31558	-0.08501	0.06644	0.220217	1.55E-06	-0.12526	0.00672	0.244326
0.036899	0.42631	-0.16679	0.00029	0.101773	0.02787	-0.23509	2.76E-07	0.196277
0.103249	0.02567	-0.01747	0.70647	0.263671	7.23E-09	-0.02726	0.55673	0.228292
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-0.02115	0.6485	-0.17087	0.00021	0.089531	0.05318	-0.24941	4.71E-08	0.083953
-0.01893	0.68324	-0.04159	0.3698	-0.0081	0.86146	0.004188	0.92808	0.149471
0.010366	0.82322	-0.18952	3.75E-05	-0.01419	0.75966	-0.20041	1.28E-05	0.140306
-0.03672	0.42851	-0.12857	0.00539	-0.0194	0.67588	-0.15733	0.00064	0.181792
0.010462	0.8216	-0.15919	0.00055	0.133346	0.00389	-0.27796	9.86E-10	0.100254
0.005039	0.91351	-0.1241	0.00725	0.054796	0.23726	-0.09017	0.05148	0.229855
0.073589	0.11225	0.023473	0.61288	0.199183	1.45E-05	0.009294	0.84124	0.267797
-0.00287	0.95066	-0.19091	3.28E-05	0.092825	0.04497	-0.29788	5.04E-11	0.134014
-0.04053	0.38215	-0.21701	2.21E-06	0.010775	0.81636	-0.22375	1.04E-06	0.209321
-0.00801	0.86292	-0.0458	0.32334	0.090545	0.05053	-0.09282	0.04498	0.172207
-0.07103	0.12533	-0.14961	0.00118	-0.05589	0.22804	-0.13914	0.00258	-0.04656
-0.00568	0.90255	-0.05131	0.26844	0.188275	4.23E-05	-0.12213	0.00824	0.16904
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0.009186	0.84306	-0.06864	0.13861	0.118644	0.01028	-0.00594	0.89806	0.288263
-0.09933	0.03186	-0.19928	1.43E-05	-0.03856	0.4058	-0.22584	8.17E-07	0.159033
0.068137	0.1415	-0.08065	0.08167	0.222052	1.26E-06	-0.14079	0.00229	0.272791
0.007352	0.8741	-0.07313	0.1145	0.018482	0.69036	-0.11628	0.01191	0.128253
0.114138	0.01359	0.001969	0.96614	0.226653	7.44E-07	-0.1486	0.00128	0.168335
0.017717	0.70255	-0.20017	1.31E-05	0.068019	0.14219	-0.25804	1.54E-08	0.107144
0.01703	0.71358	-0.17413	0.00016	0.125495	0.00662	-0.20315	9.66E-06	0.187972
0.064444	0.16442	0.002699	0.95361	0.126097	0.00636	-0.03674	0.42831	0.253915

0.03419	0.46107	-0.08796	0.05751	0.147298	0.00141	-0.13441	0.00361	0.13115
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0.046739	0.31351	-0.04468	0.33538	0.236028	2.47E-07	-0.10141	0.02844	0.139687
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0.078071	0.09195	0.019742	0.67046	0.297997	4.95E-11	-0.08441	0.06837	0.237582
0.06457	0.1636	-0.15487	0.00079	0.157037	0.00066	-0.22959	5.30E-07	0.195405
0.060726	0.1902	-0.0459	0.32231	0.06336	0.17165	-0.05748	0.21507	0.175113
0.003741	0.93574	-0.1445	0.00174	-0.04195	0.36576	-0.14501	0.00168	0.128015
0.007117	0.8781	-0.11116	0.01625	0.106896	0.02086	-0.08633	0.06232	0.24887
0.08675	0.06104	0.032315	0.48603	0.256488	1.89E-08	-0.07314	0.11446	0.141741
0.044139	0.34122	-0.13685	0.00304	0.164073	0.00037	-0.20862	5.46E-06	0.189627
-0.05648	0.22309	-0.21631	2.38E-06	-0.11987	0.00952	-0.22988	5.12E-07	-0.08656
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0.02794	0.54698	-0.0386	0.40533	0.225191	8.80E-07	-0.08086	0.0809	0.24722
0.025399	0.58404	-0.02406	0.60398	0.118164	0.0106	-0.06457	0.16358	0.214926
0.001185	0.97962	-0.25198	3.39E-08	0.034506	0.45694	-0.29061	1.53E-10	0.115535
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0.056347	0.22422	-0.1546	0.0008	0.163447	0.00039	-0.22269	1.17E-06	0.220559
0.093317	0.04384	-0.01187	0.79804	0.101758	0.02789	-0.08691	0.06056	0.008043
0.004961	0.91486	-0.1766	0.00012	0.032341	0.48567	-0.26211	8.93E-09	0.124051
0.088938	0.05478	-0.07185	0.12104	0.208847	5.33E-06	-0.16583	0.00032	0.184602
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0.006416	0.89002	-0.13709	0.00299	0.163763	0.00038	-0.20902	5.23E-06	0.14963
0.006749	0.88435	-0.17185	0.00019	0.124303	0.00716	-0.25648	1.89E-08	0.208868
-0.01678	0.71764	-0.23137	4.30E-07	-0.0065	0.88864	-0.22322	1.10E-06	0.198859
0.009198	0.84286	-0.1657	0.00032	0.09041	0.05087	-0.23504	2.78E-07	0.144684
-0.01516	0.74389	-0.0356	0.44275	-0.05385	0.2455	0.004633	0.92046	0.138639
0.006687	0.8854	-0.20208	1.08E-05	0.082291	0.07564	-0.22433	9.71E-07	0.179668
-0.02112	0.64894	-0.15846	0.00059	0.029439	0.52568	-0.23087	4.56E-07	-0.01186
0.008962	0.84683	-0.02641	0.56922	0.102338	0.02701	-0.0385	0.40647	0.148177
0.031261	0.50037	-0.05787	0.21194	0.084718	0.06738	-0.0672	0.1471	0.200388
-0.04411	0.34154	-0.19834	1.58E-05	-0.07874	0.08919	-0.13484	0.00351	0.0673
-0.02981	0.52048	-0.15864	0.00058	0.056478	0.22315	-0.18416	6.25E-05	0.104575
0.068385	0.14006	-0.1453	0.00164	0.179778	9.36E-05	-0.21602	2.46E-06	0.19838
0.017213	0.71063	-0.19564	2.07E-05	0.12417	0.00722	-0.23104	4.47E-07	0.192715
0.021626	0.64111	-0.14527	0.00165	0.123339	0.00762	-0.21958	1.66E-06	0.194273
-0.04465	0.33565	-0.13015	0.00485	0.081729	0.07767	-0.15565	0.00074	0.227273
0.020784	0.65416	-0.18451	6.04E-05	0.081579	0.07821	-0.24083	1.38E-07	0.108263
0.022651	0.62537	-0.1798	9.34E-05	0.093144	0.04424	-0.25687	1.79E-08	0.066207
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-0.09423	0.04181	-0.27111	2.60E-09	-0.09612	0.03785	-0.24135	1.29E-07	0.101621
-0.02152	0.64272	-0.19941	1.42E-05	-0.02162	0.64126	-0.16158	0.00046	0.235956
-0.01565	0.73596	-0.24536	7.85E-08	-0.02703	0.56012	-0.29039	1.58E-10	0.168956
0.009335	0.84055	-0.16397	0.00037	-0.0681	0.14174	-0.19312	2.65E-05	0.091737
0.015442	0.73927	-0.00595	0.89796	0.09764	0.03491	-0.09411	0.04207	0.104437
-0.00073	0.98753	0.41426	8.62E-21	0.372782	7.64E-17	0.508226	4.88E-32	0.508115
0.04665	0.31444	0.49629	2.08E-30	0.397591	3.88E-19	0.514047	7.41E-33	0.446128
0.117666	0.01093	0.534279	7.94E-36	0.63413	6.72E-54	0.516425	3.40E-33	0.700853
0.080354	0.08281	0.475694	9.61E-28	0.586411	1.77E-44	0.516925	2.88E-33	0.575266
0.045346	0.32817	0.56805	2.96E-41	0.457454	1.57E-25	0.559953	6.76E-40	0.66593
0.061317	0.18592	0.245355	7.86E-08	0.336835	7.48E-14	0.258773	1.39E-08	0.329066
0.0968	0.03651	0.423383	9.79E-22	0.498095	1.19E-30	0.364962	3.68E-16	0.535794
0.068047	0.14203	0.439113	1.96E-23	0.436663	3.65E-23	0.448914	1.54E-24	0.478557
0.043739	0.34562	0.352747	3.95E-15	0.451222	8.37E-25	0.357042	1.74E-15	0.559882
0.023497	0.61251	0.147167	0.00143	0.185297	5.61E-05	0.39153	1.47E-18	0.476715
0.025271	0.58593	0.29675	6.01E-11	0.198428	1.56E-05	0.352829	3.89E-15	0.554785
0.054545	0.23942	0.562825	2.25E-40	0.459182	9.83E-26	0.60224	1.98E-47	0.639006
0.009663	0.83502	0.25899	1.35E-08	0.360861	8.26E-16	0.25725	1.71E-08	0.39742
0.023753	0.60866	0.392967	1.08E-18	0.29935	4.01E-11	0.525894	1.43E-34	0.498852
0.047391	0.3068	0.441725	1.00E-23	0.405921	5.95E-20	0.570102	1.32E-41	0.594399
-0.00924	0.84221	0.339158	4.92E-14	0.295184	7.64E-11	0.463455	3.04E-26	0.526395
0.08093	0.08062	0.563946	1.46E-40	0.507506	6.14E-32	0.594843	4.97E-46	0.490507
0.102755	0.02639	0.566823	4.78E-41	0.464432	2.32E-26	0.60519	5.37E-48	0.52053
0.067168	0.14726	0.353719	3.28E-15	0.311782	5.50E-12	0.432661	9.99E-23	0.396217
0.007151	0.87752	0.376084	3.88E-17	0.354515	2.82E-15	0.399841	2.35E-19	0.457858
0.056895	0.21975	0.44888	1.56E-24	0.317794	2.03E-12	0.543293	3.24E-37	0.682423
-0.09368	0.04302	0.171055	0.0002	0.125227	0.00674	0.279909	7.45E-10	0.566132
-0.02518	0.5873	0.235425	2.65E-07	0.105004	0.02325	0.267303	4.41E-09	0.055954
-0.0708	0.12655	0.237666	2.03E-07	0.147041	0.00144	0.392752	1.13E-18	0.52136
-0.06562	0.15681	0.065197	0.15954	-0.01822	0.69455	0.20622	7.03E-06	0.504231
0.004355	0.92522	0.380592	1.52E-17	0.271244	2.55E-09	0.534541	7.25E-36	0.513016
0.008295	0.85812	0.338143	5.91E-14	0.270492	2.84E-09	0.464024	2.60E-26	0.323112
0.101342	0.02854	0.534839	6.53E-36	0.450398	1.04E-24	0.45927	9.59E-26	0.520123
0.007787	0.86671	0.279693	7.69E-10	0.225698	8.31E-07	0.377695	2.78E-17	0.511119
0.011305	0.8075	0.37756	2.86E-17	0.26013	1.16E-08	0.488509	2.22E-29	0.571516
0.056772	0.22075	0.620203	5.55E-51	0.489637	1.58E-29	0.671569	1.55E-62	0.624322
0.048608	0.29453	0.456932	1.81E-25	0.380903	1.42E-17	0.532378	1.54E-35	0.445648
0.024203	0.60187	0.473877	1.62E-27	0.456429	2.07E-25	0.535101	5.96E-36	0.698093
0.093345	0.04378	0.47033	4.44E-27	0.460585	6.70E-26	0.515528	4.56E-33	0.749501
0.041561	0.37019	0.39292	1.09E-18	0.260081	1.17E-08	0.529965	3.55E-35	0.430327
0.032524	0.4832	0.296902	5.87E-11	0.295402	7.39E-11	0.430608	1.67E-22	0.432585
0.066654	0.15039	0.370216	1.29E-16	0.513395	9.17E-33	0.364271	4.22E-16	0.633156
0.036862	0.42677	0.35926	1.13E-15	0.289427	1.83E-10	0.468485	7.47E-27	0.560087
0.093796	0.04277	0.490543	1.20E-29	0.458055	1.34E-25	0.508995	3.81E-32	0.522314
-0.01562	0.73639	0.101701	0.02798	-0.10038	0.03009	0.212739	3.51E-06	0.049299

-0.05373	0.24654	0.117962	0.01073	-0.1102	0.01721	0.125914	0.00644	-0.10113
-0.01126	0.80817	0.202494	1.03E-05	-0.01411	0.76102	0.231592	4.19E-07	0.018507
-0.08982	0.0524	0.104354	0.02412	-0.06271	0.17607	0.229228	5.52E-07	0.288542
-0.07547	0.10335	-0.08249	0.07492	0.063367	0.1716	-0.10041	0.03005	0.218905
-0.04153	0.3705	0.144618	0.00173	-0.0771	0.09607	0.109835	0.01758	-0.11714
-0.13682	0.00305	-0.1098	0.01762	-0.2715	2.46E-09	-0.0702	0.12983	-0.14412
-0.13855	0.00269	-0.14476	0.00171	-0.28936	1.85E-10	-0.0111	0.81095	0.085074
-0.07304	0.11497	-0.06086	0.1892	-0.23259	3.72E-07	-0.03433	0.45926	0.013432
-0.08307	0.07291	0.168054	0.00026	-0.00618	0.89408	0.240704	1.40E-07	0.082509
0.001028	0.98232	0.070464	0.12838	-0.09403	0.04226	0.104602	0.02378	0.03667
0.098052	0.03415	0.263757	7.15E-09	0.036645	0.4295	0.395762	5.82E-19	-0.00525
-0.02274	0.62398	0.057352	0.21606	-0.08451	0.06805	0.196009	1.99E-05	0.027194
-0.01463	0.75246	0.092772	0.0451	-0.18792	4.38E-05	0.114228	0.01351	-0.09659
-0.03284	0.47902	0.111838	0.01561	-0.05983	0.19685	0.098913	0.03259	0.068707
-0.06326	0.17236	0.053935	0.24472	-0.19856	1.54E-05	0.115303	0.01265	-0.07099
-0.01851	0.68998	0.11121	0.0162	-0.12726	0.00589	0.164729	0.00035	-0.02004
-0.05978	0.19718	0.088808	0.05514	-0.06216	0.17993	0.164549	0.00036	0.036589
-0.0499	0.28191	-0.02633	0.57038	-0.17226	0.00018	0.044886	0.3331	0.031805
-0.0991	0.03226	0.109235	0.01821	-0.13094	0.00459	0.056034	0.22681	-0.16009
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-0.07805	0.09205	0.059079	0.20252	-0.14869	0.00127	0.123963	0.00732	-0.00826
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-0.05466	0.23845	0.097625	0.03494	-0.07579	0.1019	0.104667	0.0237	-0.10558
-0.13953	0.00251	-0.02952	0.52452	-0.32727	4.04E-13	-0.0292	0.52908	-0.18015
-0.12611	0.00635	-0.00977	0.8332	-0.25482	2.35E-08	-0.07899	0.08818	-0.11642
-0.02713	0.55866	0.033505	0.4701	-0.18874	4.05E-05	0.003897	0.93307	-0.14473
-0.10893	0.01853	0.132301	0.00418	-0.14828	0.00131	0.265257	5.83E-09	0.036467
-0.14599	0.00156	0.066198	0.15321	-0.18276	7.12E-05	0.012685	0.78455	-0.02855
-0.12475	0.00695	-0.00975	0.83349	-0.16213	0.00044	0.105306	0.02285	0.081902
-0.10316	0.0258	0.036807	0.42746	-0.09708	0.03597	0.051429	0.26737	-0.0544
-0.02558	0.58138	0.071826	0.12114	-0.1497	0.00118	0.108638	0.01886	-0.10229
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0.15617	0.00071	0.044801	0.33402	-0.07282	0.11606	0.09615	0.0378	-0.13068
-0.02649	0.568	0.063664	0.1696	-0.20672	6.67E-06	0.083832	0.0703	-0.18263
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-0.03769	0.41649	0.02691	0.56187	-0.09384	0.04267	0.188768	4.04E-05	0.131618
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-0.06056	0.1914	-0.03357	0.46926	-0.15846	0.00059	0.024571	0.59636	-0.00896
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0.0004	0.99312	0.140853	0.00228	-0.01483	0.74923	0.206618	6.74E-06	0.059604
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-0.01254	0.78701	0.098885	0.03264	-0.19382	2.47E-05	0.142735	0.00199	-0.12346
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0.077463	0.09452	0.130579	0.00471	0.01393	0.76399	0.251081	3.80E-08	0.197245
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-0.01358	0.7697	0.105192	0.023	-0.12399	0.0073	0.084158	0.06921	-0.15024
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-0.03444	0.45784	0.119374	0.00982	-0.08429	0.06878	0.12427	0.00717	0.04867
0.092614	0.04546	-0.15114	0.00105	0.00243	0.95823	-0.14742	0.0014	-0.01349
-0.07143	0.12323	0.099588	0.03142	-0.09623	0.03764	0.140407	0.00236	-0.08841
-0.12441	0.00711	-0.04029	0.38498	-0.15485	0.00079	0.102192	0.02723	0.111621
-0.05853	0.20672	-0.00155	0.9733	-0.15579	0.00073	0.059302	0.20082	0.020101
-0.01322	0.77567	0.153711	0.00086	-0.01649	0.72228	0.163576	0.00039	0.000307
-0.09037	0.05098	-0.01305	0.7785	-0.25106	3.82E-08	-0.04693	0.31157	-0.1049
0.012869	0.78149	-0.05783	0.21223	0.114823	0.01303	-0.07665	0.09804	0.141714
-0.03578	0.44049	-0.01053	0.82045	-0.17154	0.0002	0.128029	0.00559	0.100073

-0.08359	0.07111	0.029545	0.52418	-0.24445	8.81E-08	0.115615	0.01241	-0.14777
-0.11061	0.01679	0.012059	0.79493	-0.17523	0.00014	0.085219	0.06577	0.108448
-0.13159	0.00439	-0.00962	0.83568	-0.27061	2.79E-09	-0.02574	0.57905	-0.08076
0.019441	0.67519	-0.18328	6.78E-05	0.158753	0.00057	-0.22776	6.55E-07	0.170662
-0.12075	0.009	-0.01643	0.72317	-0.26339	7.52E-09	0.074249	0.10906	0.028277
-0.10663	0.02119	0.052014	0.26195	-0.17111	0.0002	0.115865	0.01222	0.134139
-0.07969	0.0854	0.178399	0.00011	-0.09595	0.03819	0.142899	0.00196	-0.14858
-0.20368	9.15E-06	-0.0833	0.0721	-0.14544	0.00163	-0.02496	0.59056	0.088624
-0.10177	0.02788	0.046656	0.31437	-0.14221	0.00207	0.087789	0.058	-0.05772
0.023458	0.61311	-0.04465	0.3356	0.230754	4.62E-07	-0.16501	0.00034	0.122084
-0.02672	0.56465	0.051182	0.26967	-0.09789	0.03445	0.159801	0.00053	0.083238
-0.06732	0.14636	0.021152	0.64844	-0.11056	0.01684	0.050378	0.27728	-0.0683
-0.02557	0.58157	0.048971	0.29094	-0.1623	0.00043	0.096134	0.03783	0.078857
-0.07762	0.09387	-0.07341	0.11311	-0.2793	8.14E-10	-0.01924	0.67833	-0.12453
-0.10165	0.02806	0.127388	0.00584	-0.08029	0.08304	0.18498	5.78E-05	-0.08908
-0.05956	0.19889	0.127739	0.0057	-0.13875	0.00266	0.120319	0.00925	0.032918
-0.08381	0.07038	0.024048	0.6042	-0.23841	1.85E-07	0.131109	0.00454	0.04176
-0.09788	0.03446	0.016931	0.71516	-0.17483	0.00015	0.156248	0.0007	0.098247
-0.07652	0.0986	0.085185	0.06587	-0.09333	0.04382	0.056704	0.2213	0.001447
-0.10076	0.02947	0.048115	0.29947	-0.107	0.02073	0.09635	0.0374	0.043682
-0.07991	0.08451	0.03404	0.46304	-0.15839	0.00059	0.098996	0.03245	0.012989
-0.05176	0.26431	0.068792	0.13771	-0.16067	0.00049	0.040775	0.37932	0.021347
-0.0965	0.03709	0.145999	0.00156	-0.21065	4.40E-06	0.169496	0.00023	-0.16859
-0.07821	0.09136	-0.01999	0.66649	-0.28527	3.41E-10	-0.00785	0.86564	-0.14524
-0.08316	0.0726	0.118379	0.01046	-0.18723	4.68E-05	0.182213	7.49E-05	-0.07594
-0.05967	0.19805	0.072326	0.11856	-0.06746	0.14551	0.082199	0.07597	0.070733
-0.04314	0.35232	-0.01366	0.76849	-0.15512	0.00077	0.046473	0.31628	0.034557
-0.03478	0.45335	0.239181	1.69E-07	-0.14517	0.00166	0.212099	3.77E-06	-0.25851
-0.08155	0.07831	0.071235	0.12424	-0.1636	0.00039	0.127952	0.00562	-0.10468
0.014335	0.75734	-0.01328	0.77468	-0.14473	0.00171	0.024458	0.59806	0.031559
-0.07823	0.0913	0.141547	0.00217	-0.18139	8.08E-05	0.078716	0.08929	-0.23121
-0.04829	0.29774	0.119465	0.00977	-0.09274	0.04516	0.116276	0.01192	0.01089
0.003828	0.93425	-0.02297	0.62054	-0.14848	0.00129	0.002456	0.95779	-0.01976
0.015829	0.73297	0.075088	0.1051	0.017957	0.69872	0.201154	1.19E-05	0.182215
0.048829	0.29234	0.200945	1.21E-05	0.354385	2.89E-15	0.198031	1.63E-05	0.33209
-0.02834	0.54119	-0.01699	0.71428	-0.17145	0.0002	0.050265	0.27836	0.173387
0.171898	0.00019	0.212252	3.70E-06	0.088825	0.05509	0.29772	5.17E-11	0.079181
-0.03751	0.41874	0.035881	0.43918	-0.18629	5.11E-05	0.023168	0.61751	0.00805
-0.09478	0.04063	0.000709	0.98782	-0.23078	4.60E-07	-0.00545	0.90641	-0.03845
-0.10124	0.0287	0.010396	0.82272	-0.1977	1.68E-05	0.073623	0.11208	-0.08863
-0.13668	0.00308	-0.12386	0.00737	-0.34253	2.66E-14	-0.03781	0.41501	-0.08534
-0.07479	0.10648	0.142003	0.0021	-0.1835	6.64E-05	0.2067	6.68E-06	-0.0437
-0.12194	0.00834	0.088479	0.05605	-0.24405	9.25E-08	0.164576	0.00036	-0.1454
-0.06246	0.17781	0.004573	0.92149	-0.23268	3.68E-07	0.018836	0.68474	0.050879
-0.05679	0.22056	0.221006	1.41E-06	0.046674	0.31419	0.255579	2.12E-08	-0.15556

-0.03595	0.4383	0.020246	0.66255	-0.17948	9.62E-05	0.039551	0.3938	-0.07463
-0.01804	0.69736	0.153219	0.00089	-0.06105	0.18781	0.176381	0.00013	0.047921
-0.06356	0.17032	0.105164	0.02304	-0.1008	0.02941	0.06198	0.18119	0.002582
-0.08637	0.0622	0.126911	0.00603	-0.19958	1.39E-05	0.215479	2.61E-06	-0.14209
-0.03224	0.48707	0.111634	0.0158	-0.24481	8.42E-08	0.137482	0.00291	-0.13121
-0.05388	0.2452	0.160417	0.0005	-0.20826	5.67E-06	0.189069	3.92E-05	-0.18493
-0.03817	0.41054	0.152408	0.00095	-0.08167	0.07789	0.097261	0.03562	-0.17063
-0.10722	0.02047	0.053479	0.24874	-0.23249	3.77E-07	0.0598	0.19705	-0.116
-0.03917	0.39842	0.082951	0.07331	-0.08216	0.07612	0.199832	1.36E-05	0.08925
-0.10333	0.02555	0.060083	0.19494	-0.15157	0.00102	0.176404	0.00013	0.015718
-0.07856	0.08994	0.040328	0.38457	-0.08305	0.07297	0.133543	0.00384	0.014053
-0.09165	0.04777	0.025636	0.58053	-0.10551	0.02258	-0.02172	0.63962	0.049521
-0.07856	0.08994	0.095628	0.03885	-0.23612	2.44E-07	0.188408	4.18E-05	-0.04614
-0.03734	0.42078	-0.05364	0.24735	-0.17733	0.00012	0.054124	0.24307	0.102952
-0.05398	0.24436	0.130364	0.00478	-0.0275	0.55328	0.056796	0.22055	-0.07715
-0.14039	0.00236	0.022212	0.6321	-0.28694	2.66E-10	0.055553	0.23083	-0.18684
-0.06606	0.15406	0.006606	0.88679	-0.22304	1.12E-06	0.142977	0.00195	-0.00057
-0.0942	0.04188	0.141542	0.00217	-0.23368	3.27E-07	0.205534	7.55E-06	-0.09531
-0.0028	0.95187	0.042432	0.36023	-0.23011	4.98E-07	0.017282	0.70952	-0.12363
-0.07856	0.08994	-5.57E-05	0.99904	-0.20439	8.50E-06	0.092783	0.04507	0.088336
-0.08302	0.07306	0.078685	0.08942	-0.1605	0.0005	0.135976	0.00324	-0.00856
0.001159	0.98008	0.135557	0.00333	-0.08437	0.06852	0.081294	0.07926	-0.06557
-0.05579	0.22881	0.184939	5.81E-05	-0.02314	0.618	0.197202	1.77E-05	-0.12584
-0.05216	0.2606	0.029303	0.52759	-0.1465	0.0015	0.0907	0.05013	0.012998
-0.04437	0.33872	0.081046	0.08019	-0.22494	9.06E-07	0.08093	0.08062	-0.13524
-0.06909	0.136	0.026545	0.56719	-0.21451	2.90E-06	0.114457	0.01333	0.11522
-0.02904	0.5313	0.039339	0.39634	0.224771	9.24E-07	0.074902	0.10597	0.200165
-0.09866	0.03305	0.049202	0.28866	-0.15042	0.00111	0.142199	0.00207	-0.02466
-0.0675	0.14525	0.070768	0.12673	-0.14307	0.00194	0.140626	0.00232	0.009442
0.026352	0.57	0.054875	0.23658	0.314484	3.52E-12	0.151119	0.00105	0.327357
-0.05316	0.2516	0.050573	0.27542	-0.11491	0.01296	0.046856	0.3123	-0.00575
-0.04004	0.38798	0.142341	0.00205	-0.07856	0.08995	0.090563	0.05048	-0.09554
-0.13031	0.0048	0.051511	0.26661	-0.14742	0.0014	0.061953	0.18138	-0.09436
-0.11304	0.01452	-0.06178	0.18262	-0.18624	5.13E-05	0.032625	0.48185	0.016422
-0.09091	0.04959	0.036102	0.43638	-0.16445	0.00036	-0.0035	0.93994	0.043015
-0.13756	0.00289	0.014868	0.74862	-0.28623	2.95E-10	0.02539	0.58418	-0.0668
-0.02293	0.62114	0.099256	0.03199	-0.12852	0.00541	0.111285	0.01613	0.104057
-0.09552	0.03907	0.13356	0.00383	-0.21542	2.63E-06	0.184629	5.98E-05	-0.25788
-0.15085	0.00108	0.018372	0.69211	-0.22934	5.45E-07	0.02513	0.58804	-0.18354
-0.07212	0.11964	0.074704	0.1069	-0.18943	3.79E-05	0.070675	0.12723	-0.16866
-0.13035	0.00478	-0.03487	0.45222	-0.21028	4.58E-06	0.039437	0.39517	0.010783
-0.07352	0.11258	-0.04288	0.35515	-0.18933	3.83E-05	-0.05134	0.26816	0.056129
-0.06252	0.1774	-0.05691	0.2196	-0.26985	3.10E-09	-0.01157	0.80301	-0.05187
-0.04726	0.30813	0.05702	0.21873	-0.17611	0.00013	0.113431	0.01418	-0.15002
-0.12959	0.00504	-0.0814	0.07886	-0.26366	7.24E-09	0.001972	0.9661	-0.11615

-0.02445	0.59816	-0.00513	0.91205	-0.07096	0.12568	0.076717	0.09775	0.043895
-0.1206	0.00909	-0.03305	0.47615	-0.16562	0.00033	0.081437	0.07874	0.14655
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-0.06518	0.15965	0.10643	0.02143	-0.18307	6.92E-05	0.113493	0.01413	-0.06276
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0.010992	0.81273	0.138689	0.00267	-0.0389	0.40168	0.170609	0.00021	-0.09911
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-0.0164	0.72378	0.001354	0.97671	-0.12794	0.00563	0.108856	0.01862	0.04724
-0.13539	0.00337	0.015441	0.73928	-0.15824	0.0006	0.10153	0.02824	0.063144
-0.06743	0.14569	0.132463	0.00414	-0.18315	6.86E-05	0.156533	0.00069	-0.07275
-0.071	0.1255	0.122735	0.00792	-0.11851	0.01037	0.14954	0.00119	-0.07657
0.006199	0.89371	0.112814	0.01472	-0.10308	0.02591	0.137931	0.00282	-0.09508
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-0.10701	0.02072	0.089372	0.0536	-0.03295	0.47744	0.137751	0.00285	0.004842
-0.00879	0.84982	0.102463	0.02682	-0.02421	0.60174	0.109749	0.01767	0.134471
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0.010253	0.82511	0.012989	0.77951	-0.13018	0.00484	0.049111	0.28956	-0.0654
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-0.02884	0.5341	0.10836	0.01917	-0.10268	0.02649	0.115781	0.01229	0.121332
-0.11428	0.01347	0.137463	0.00291	-0.14122	0.00222	0.194976	2.21E-05	-0.00549
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-0.06686	0.14912	0.130973	0.00458	-0.06403	0.16714	0.105227	0.02295	-0.06542
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-0.08668	0.06124	0.007714	0.86795	-0.16187	0.00044	0.087253	0.05955	-0.02348
-0.11842	0.01043	0.021495	0.64314	-0.21742	2.11E-06	0.04182	0.36721	0.031123
-0.00986	0.83175	0.062158	0.17994	-0.04861	0.29448	0.166406	0.0003	0.127035
-0.03948	0.39465	0.180095	9.10E-05	-0.09625	0.0376	0.218914	1.79E-06	-0.08956
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-0.03876	0.40337	0.047986	0.30076	-0.17297	0.00017	0.066717	0.15001	-0.0261
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-0.0889	0.05488	0.117066	0.01135	-0.01996	0.66697	0.003418	0.94127	-0.09459
-0.01461	0.75281	0.061104	0.18745	-0.10471	0.02364	0.12561	0.00657	-0.03984
-0.04176	0.36791	0.120686	0.00904	-0.14432	0.00177	0.223327	1.09E-06	-0.06993
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-0.09292	0.04474	0.015581	0.737	-0.18681	4.87E-05	0.047785	0.30279	-0.06372
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0.069842	0.13178	0.026092	0.57381	0.175781	0.00013	-0.01455	0.75376	0.124293
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0.01936	0.67647	0.082484	0.07495	-0.08601	0.06329	0.08713	0.05991	-0.08662
-0.00023	0.99612	-0.03741	0.41995	-0.17996	9.21E-05	0.032862	0.47867	0.141233
-0.01746	0.70665	0.117547	0.01101	-0.06267	0.17637	0.203166	9.65E-06	-0.03072
-0.11107	0.01634	-0.0034	0.94158	-0.24809	5.57E-08	0.080956	0.08052	-0.07088
-0.15584	0.00073	0.018996	0.68221	-0.25833	1.48E-08	0.025746	0.57891	-0.00644
-0.08691	0.06057	0.002813	0.95166	-0.15744	0.00064	0.061966	0.18129	0.130375
-0.04634	0.31765	0.149877	0.00116	-0.1411	0.00224	0.163299	0.0004	-0.10698
-0.03988	0.38986	0.020229	0.66281	-0.12547	0.00663	0.038046	0.41205	0.012233
-0.10591	0.02208	0.146298	0.00152	-0.23698	2.20E-07	0.175206	0.00014	-0.18894
-0.09713	0.03587	-0.15987	0.00052	-0.28776	2.35E-10	-0.085	0.06648	-0.18009
-0.08842	0.05621	0.115129	0.01279	-0.17381	0.00016	0.214045	3.05E-06	0.059116
-0.09319	0.04413	0.018225	0.69445	-0.11943	0.00979	0.073499	0.11269	0.054656
-0.11169	0.01574	0.061026	0.18801	-0.21792	2.00E-06	0.105713	0.02233	-0.05169
-0.08716	0.05983	0.003423	0.94118	-0.14225	0.00206	0.11938	0.00982	0.041111
-0.00454	0.92202	0.178725	0.0001	-0.05999	0.19563	0.217551	2.08E-06	-0.09221
-0.07961	0.0857	0.107135	0.02058	-0.23436	3.01E-07	0.147137	0.00143	-0.09672
-0.12905	0.00522	-0.04499	0.33201	-0.14286	0.00197	-0.02404	0.60434	-0.02398
-0.01916	0.67955	0.082576	0.07463	-0.0621	0.18037	0.184743	5.91E-05	0.146323
-0.04383	0.34464	0.208356	5.61E-06	-0.10945	0.01798	0.207158	6.37E-06	-0.05709
-0.09424	0.04179	0.130736	0.00466	-0.24278	1.08E-07	0.20462	8.30E-06	-0.20627
-0.07711	0.09605	0.116415	0.01182	-0.12692	0.00602	0.261314	9.94E-09	0.000304
-0.07234	0.1185	0.075898	0.10139	-0.14284	0.00197	0.146757	0.00147	0.030177
-0.11337	0.01424	0.039475	0.39471	-0.11333	0.01427	0.053536	0.24823	-0.07363
-0.14073	0.0023	0.080065	0.08393	-0.22081	1.45E-06	0.01757	0.70491	-0.139
-0.00721	0.87647	0.031075	0.50293	-0.17938	9.71E-05	0.06019	0.19415	0.061604
-0.08819	0.05685	0.057552	0.21445	-0.16505	0.00034	0.110058	0.01735	-0.06115
-0.13217	0.00422	-0.02319	0.61719	-0.29271	1.12E-10	-0.01805	0.69717	-0.12591
-0.0458	0.32339	0.066969	0.14847	-0.15339	0.00088	0.089056	0.05446	0.117328
-0.11563	0.0124	0.010285	0.82457	-0.2414	1.28E-07	0.053617	0.24751	-0.17809
-0.04728	0.30791	0.030352	0.51291	-0.15547	0.00075	0.005856	0.89957	-0.06662
-0.09159	0.04791	0.022769	0.62358	-0.09505	0.04006	0.085566	0.06467	0.12332
-0.02927	0.52812	0.162828	0.00041	-0.14347	0.00188	0.181288	8.15E-05	-0.11185
-0.02494	0.59086	0.137352	0.00294	0.008432	0.85579	0.15807	0.00061	-0.03489
-0.04932	0.28754	0.060203	0.19405	-0.16087	0.00048	0.100734	0.02951	0.143691

-0.11775	0.01088	0.077832	0.09296	-0.15019	0.00113	0.173898	0.00016	0.036124
-0.17149	0.0002	0.044138	0.34123	-0.20494	8.03E-06	0.104478	0.02395	-0.10432
0.000109	0.99813	0.066985	0.14837	-0.11929	0.00987	0.135843	0.00327	-0.04725
-0.03586	0.43946	0.069583	0.13323	-0.23816	1.91E-07	0.110604	0.0168	-0.01833
0.027276	0.55655	0.144804	0.0017	-0.00777	0.86695	0.139611	0.0025	-0.13947
-0.09638	0.03734	0.083979	0.06981	-0.10917	0.01828	0.119833	0.00954	-0.03428
-0.00423	0.92743	0.11639	0.01183	0.079599	0.08575	0.203448	9.37E-06	0.116144
-0.08726	0.05953	0.015721	0.73473	-0.15354	0.00087	0.070498	0.12819	0.097766
-0.04839	0.2967	0.085147	0.066	-0.15425	0.00082	0.099759	0.03113	-0.01052
-0.08163	0.07803	-0.01003	0.8289	-0.22921	5.53E-07	0.06678	0.14962	-0.10644
-0.03301	0.47663	0.061994	0.18109	0.006636	0.88628	0.106978	0.02076	0.019639
-0.05617	0.22567	0.098144	0.03398	-0.21455	2.89E-06	0.045151	0.33025	-0.21605
-0.05198	0.26231	0.049938	0.2815	-0.16921	0.00024	0.097684	0.03483	0.045987
-0.11214	0.01533	0.011222	0.80888	-0.28646	2.86E-10	0.088827	0.05508	-0.09853
-0.07772	0.09344	0.071349	0.12364	-0.23057	4.72E-07	0.110869	0.01654	-0.15896
-0.06758	0.14477	0.080019	0.0841	-0.14877	0.00126	0.132333	0.00417	-0.17934
-0.07129	0.12395	-0.02292	0.62124	-0.17574	0.00013	0.043907	0.34377	0.029616
-0.04829	0.29767	0.024339	0.59983	-0.23543	2.65E-07	0.007411	0.8731	-0.11286
-0.07015	0.13007	0.106296	0.02159	-0.03861	0.4052	0.153092	0.0009	-0.02667
-0.10476	0.02357	0.005126	0.91203	-0.18203	7.61E-05	0.067701	0.14407	0.009091
-0.21169	3.94E-06	0.035132	0.44881	-0.28603	3.04E-10	0.073182	0.11426	-0.18272
-0.04248	0.35974	0.004124	0.92918	-0.11198	0.01547	0.164403	0.00036	0.152653
-0.08791	0.05764	-0.0088	0.8496	-0.13463	0.00356	0.1051	0.02312	0.133713
-0.06405	0.167	0.044219	0.34034	-0.15931	0.00055	0.031123	0.50226	0.047235
-0.11868	0.01026	0.041441	0.37158	-0.168	0.00027	0.122703	0.00794	-0.0926
0.078414	0.09053	0.046717	0.31374	0.324838	6.15E-13	-0.09551	0.0391	0.084871
0.041241	0.37389	0.177155	0.00012	0.057898	0.21171	0.122649	0.00797	0.032731
-0.08602	0.06326	0.096654	0.0368	-0.10556	0.02252	0.132624	0.00409	-0.14833
-0.10085	0.02933	0.069168	0.13556	-0.19913	1.46E-05	0.033508	0.47007	-0.04827
-0.04117	0.37471	0.198253	1.59E-05	-0.09713	0.03587	0.178117	0.00011	0.147207
-0.09541	0.0393	-0.18282	7.08E-05	-0.30897	8.68E-12	-0.14839	0.0013	-0.14125
-0.06848	0.1395	0.092569	0.04557	-0.16787	0.00027	0.175011	0.00014	-0.12262
-0.0081	0.86134	0.120035	0.00942	-0.15811	0.00061	0.162297	0.00043	-0.16587
0.436204	4.10E-23	0.115809	0.01227	0.296347	6.39E-11	0.107693	0.01992	0.091299
0.140147	0.0024	-0.0217	0.63993	0.227202	6.99E-07	-0.04833	0.29728	0.045843
0.04983	0.28255	-0.02566	0.58021	0.065647	0.15667	-0.06474	0.16246	-0.04126
0.063155	0.17304	0.017282	0.70952	0.228369	6.10E-07	0.047077	0.31002	0.277554
0.121372	0.00865	-0.02276	0.62369	0.146072	0.00155	-0.06373	0.16912	-0.05759
0.167746	0.00027	0.012022	0.79554	0.240565	1.42E-07	-0.02569	0.5798	0.013922
0.153334	0.00089	-0.00581	0.90037	0.252643	3.11E-08	-0.0351	0.44928	0.047891
0.094774	0.04064	-0.02836	0.54098	0.050693	0.27428	-0.02112	0.64892	-0.06897
0.09999	0.03074	0.010833	0.81539	0.112811	0.01472	-0.0214	0.64467	-0.01578
0.170063	0.00022	0.037418	0.41983	0.040694	0.38026	-0.00993	0.83057	0.010663
0.186331	5.09E-05	0.007082	0.87868	0.25688	1.79E-08	-0.02119	0.64786	0.094939
0.137792	0.00285	-0.00012	0.99787	0.259211	1.32E-08	-0.04167	0.36896	0.047186

0.113589	0.01405	0.005243	0.91004	0.087787	0.058	-0.10683	0.02094	0.002289
0.062636	0.1766	-0.00013	0.99768	0.191899	2.98E-05	-0.01432	0.75757	-0.02125
0.024784	0.59318	-0.00813	0.86086	0.115703	0.01235	-0.01734	0.70856	0.023223
0.153309	0.00089	0.029789	0.52077	0.256113	1.98E-08	-0.0222	0.63221	0.051606
0.109704	0.01771	-0.02362	0.61066	0.183161	6.85E-05	-0.05692	0.21955	0.080189
0.19177	3.02E-05	-0.03814	0.4109	0.15236	0.00096	-0.05111	0.27033	-0.01336
0.095549	0.03902	-0.00921	0.84271	0.20547	7.60E-06	-0.04959	0.28484	0.075079
0.167677	0.00027	-0.01603	0.72968	0.245903	7.34E-08	-0.04236	0.36109	0.026832
0.148798	0.00126	-0.00319	0.94522	0.274857	1.54E-09	-0.04166	0.36909	0.048071
0.09717	0.0358	-0.00558	0.90426	0.173793	0.00016	-0.04478	0.3343	0.030374
0.088016	0.05735	0.07481	0.1064	0.168163	0.00026	-0.01663	0.71999	0.031152
0.089249	0.05393	0.015858	0.7325	0.117034	0.01137	-0.03806	0.4119	-0.04915
0.057828	0.21226	-0.02167	0.6404	0.171347	0.0002	-0.09658	0.03695	0.003435
0.140735	0.0023	-0.00334	0.94258	0.232827	3.62E-07	-0.04682	0.31266	0.026322
0.132814	0.00404	-0.00535	0.90816	0.247886	5.72E-08	-0.04618	0.31936	0.082008
0.135801	0.00328	0.014479	0.75499	0.247335	6.13E-08	-0.03605	0.43709	0.03626
0.028878	0.5336	-0.03576	0.44069	0.065371	0.15842	-0.0462	0.31913	-0.00827
0.123421	0.00758	0.009291	0.84128	0.230366	4.83E-07	-0.03895	0.40098	0.035261
0.144273	0.00177	0.002384	0.95903	0.273297	1.91E-09	-0.04286	0.35545	0.04831
0.178928	0.0001	-0.01247	0.78813	0.193807	2.48E-05	-0.02184	0.63786	0.075976
0.099977	0.03076	-0.02969	0.52211	0.206412	6.89E-06	-0.05838	0.20792	0.044401
0.052713	0.25559	-0.03684	0.42707	0.17071	0.00021	-0.11193	0.01552	0.029969
0.125325	0.00669	0.018221	0.69451	0.111176	0.01568	-0.03949	0.39455	-0.00298
0.100798	0.02941	-0.03495	0.45114	0.167305	0.00028	-0.08395	0.06991	0.024509
0.067282	0.14658	-0.10719	0.02051	0.194664	2.27E-05	-0.11481	0.01304	0.139566
0.151848	0.001	-0.00803	0.86258	0.27966	7.73E-10	-0.04911	0.28959	0.053439
0.14926	0.00122	-0.03335	0.47218	0.193869	2.46E-05	-0.05901	0.20303	0.043773
0.19224	2.89E-05	0.052681	0.25588	0.225664	8.34E-07	0.048962	0.29103	0.136744
0.070724	0.12696	-0.08012	0.0837	0.175548	0.00014	-0.12539	0.00666	0.062126
0.1749	0.00015	0.058316	0.20842	0.217213	2.16E-06	0.004864	0.91651	0.007639
0.110875	0.01653	0.042024	0.36487	0.221994	1.27E-06	-0.02515	0.5878	0.075577
0.116376	0.01185	-0.01622	0.72662	0.23475	2.88E-07	-0.05402	0.24399	0.043461
0.205312	7.72E-06	0.052623	0.2564	0.201014	1.20E-05	-0.00304	0.94768	-0.0034
0.118934	0.0101	-0.07639	0.09918	0.150646	0.00109	-0.13065	0.00469	0.10007
0.10659	0.02123	-0.04192	0.36602	0.223793	1.03E-06	-0.12602	0.0064	0.092024
-0.02954	0.52421	0.045254	0.32915	0.114995	0.0129	0.082661	0.07433	0.257055
0.188961	3.96E-05	0.084641	0.06763	0.23364	3.29E-07	0.059025	0.20294	0.063179
0.106961	0.02078	0.002935	0.94956	0.012372	0.78974	-0.04931	0.28758	-0.08635
0.070324	0.12913	-0.03173	0.49391	0.018474	0.69049	-0.01956	0.67338	0.106164
0.181096	8.30E-05	-0.00556	0.90461	0.21077	4.34E-06	-0.03657	0.43046	0.034939
0.071617	0.12223	-0.05638	0.22398	0.155348	0.00076	-0.00167	0.97129	0.095316
0.155019	0.00078	0.012689	0.78447	0.216107	2.44E-06	-0.03921	0.39788	0.012197
0.022913	0.62138	-0.15217	0.00097	0.025994	0.57525	-0.14293	0.00196	-0.02018
0.291004	1.45E-10	0.055271	0.23321	0.144779	0.00171	-0.01453	0.75412	-0.02615
0.322567	9.07E-13	0.023629	0.61053	0.247273	6.18E-08	-0.0344	0.45833	-0.01164



0.183114	6.89E-05	0.017804	0.70116	0.156871	0.00067	-0.05154	0.26638	-0.10286
0.201271	1.17E-05	0.227815	6.51E-07	0.305498	1.52E-11	0.114714	0.01312	0.091389
0.049891	0.28196	-0.09334	0.04379	0.015973	0.73065	-0.16644	0.0003	0.011115
0.10935	0.01809	-0.02307	0.61902	0.180978	8.39E-05	-0.09079	0.0499	0.110305
0.066533	0.15113	-0.11165	0.01578	0.06649	0.1514	-0.11001	0.0174	0.09115
0.128671	0.00536	0.013209	0.77588	0.222681	1.17E-06	-0.0349	0.45175	0.119988
0.1969	1.82E-05	0.00492	0.91555	0.211561	3.99E-06	-0.03066	0.50869	0.019584
0.075933	0.10123	-0.01822	0.69448	0.201367	1.16E-05	-0.0722	0.11921	0.034404
0.146103	0.00155	-0.06125	0.1864	0.105177	0.02302	-0.13983	0.00246	-0.00414
0.154016	0.00084	-0.00355	0.93909	0.225866	8.15E-07	-0.0346	0.45565	0.051542
0.121362	0.00866	-0.02063	0.65656	0.204878	8.08E-06	-0.10632	0.02157	0.073778
0.114717	0.01312	-0.02885	0.53398	0.184922	5.81E-05	-0.04213	0.36362	-0.01026
0.191476	3.11E-05	0.065881	0.15519	0.285337	3.37E-10	0.011682	0.80121	0.043451
0.034448	0.45769	0.045249	0.3292	0.169426	0.00023	0.008881	0.84821	-0.01075
0.119874	0.00952	-0.03398	0.46383	0.117399	0.01112	-0.08763	0.05846	-0.01903
0.141154	0.00223	0.009162	0.84346	0.251271	3.71E-08	-0.0318	0.49301	0.038529
0.151091	0.00106	-0.02153	0.64267	0.177059	0.00012	-0.07664	0.0981	0.00569
0.14303	0.00194	-0.03425	0.46024	0.211613	3.97E-06	-0.07107	0.12509	0.03251
0.112658	0.01486	0.012916	0.78072	0.158128	0.0006	-0.05	0.28088	-0.02355
0.208691	5.42E-06	-0.00516	0.91139	0.27764	1.03E-09	-0.0466	0.31496	0.078562
0.179606	9.51E-05	-0.06869	0.1383	0.102151	0.02729	-0.05625	0.22503	-0.00184
0.179494	9.61E-05	0.0057	0.90222	0.264979	6.06E-09	-0.09347	0.0435	0.03045
0.126757	0.00609	0.143599	0.00186	0.233614	3.30E-07	0.022323	0.63039	0.060139
0.062944	0.17449	0.162241	0.00043	0.160456	0.0005	0.0728	0.11616	-0.15171
0.116243	0.01194	0.04573	0.32408	0.257099	1.74E-08	-0.00321	0.94489	0.067115
0.102302	0.02706	-0.03747	0.41916	0.060153	0.19442	-0.04503	0.33153	0.014806
0.123655	0.00747	-0.01232	0.7906	0.268163	3.92E-09	-0.10924	0.0182	0.066065
0.117107	0.01132	-0.0022	0.9621	0.294628	8.32E-11	-0.0694	0.13426	0.094185
0.120615	0.00908	0.003792	0.93487	0.283299	4.55E-10	-0.06756	0.14493	0.060016
0.190157	3.53E-05	0.202029	1.08E-05	0.280203	7.14E-10	0.108518	0.01899	0.008434
0.144695	0.00172	-0.02489	0.59164	0.189567	3.74E-05	-0.11213	0.01534	0.075989
0.166293	0.00031	0.030197	0.51507	0.270167	2.97E-09	0.029746	0.52137	0.205735
0.114346	0.01342	0.121622	0.00851	0.236834	2.24E-07	0.080981	0.08043	0.153704
0.096876	0.03637	-0.01744	0.70699	0.153963	0.00084	-0.10588	0.02211	0.063716
0.051328	0.26831	-0.15026	0.00113	0.164653	0.00035	-0.13601	0.00323	0.219653
0.181552	7.96E-05	0.04671	0.31381	0.18784	4.41E-05	0.023244	0.61635	0.041417
0.294364	8.67E-11	0.041816	0.36726	0.256608	1.86E-08	-0.01289	0.78116	0.097829
0.070597	0.12765	-0.02439	0.59911	0.03635	0.43323	-0.04539	0.32775	0.045743
-0.00287	0.95074	-0.03183	0.49262	0.02995	0.51852	-0.03651	0.43116	0.005356
-0.10007	0.03061	0.138176	0.00277	-0.10325	0.02567	0.133193	0.00393	-0.00515
0.161133	0.00047	-0.05413	0.24298	0.242236	1.16E-07	-0.11751	0.01104	0.064857
0.103573	0.02521	-0.03818	0.41045	0.160209	0.00051	-0.13466	0.00355	0.035344
0.005315	0.90881	0.021744	0.63929	0.065407	0.15819	-0.04997	0.28123	-0.02847
0.157623	0.00063	0.039355	0.39615	0.158668	0.00058	-0.06031	0.19328	-0.08271
0.174959	0.00014	0.061461	0.18488	0.179209	9.86E-05	0.023517	0.61221	0.045378

0.184416	6.10E-05	0.057337	0.21618	0.209444	5.00E-06	0.026111	0.57354	0.094421
0.086826	0.06081	-0.0026	0.9553	-0.08195	0.07687	-0.05168	0.26501	-0.05176
0.136437	0.00313	-0.01628	0.72563	0.129197	0.00517	-0.04149	0.37099	-0.02803
0.075882	0.10146	-0.0725	0.11767	0.153651	0.00086	-0.10576	0.02227	0.102894
0.108437	0.01908	-0.03035	0.51294	0.161808	0.00045	-0.13043	0.00476	-0.06993
0.12511	0.00679	-0.08599	0.06336	0.102892	0.02618	-0.15816	0.0006	0.073398
0.052661	0.25606	-0.1171	0.01133	0.026689	0.56509	-0.16775	0.00027	0.055064
-0.09476	0.04067	0.166284	0.00031	0.01377	0.76663	0.206621	6.74E-06	0.104508
0.123565	0.00751	-0.01555	0.73755	0.209292	5.08E-06	-0.04488	0.3332	0.055288
0.123735	0.00743	0.031101	0.50257	0.178424	0.00011	0.002064	0.96452	0.032273
0.182538	7.26E-05	0.01151	0.80407	0.264172	6.76E-09	-0.02572	0.57925	0.08837
0.174519	0.00015	0.012576	0.78635	0.271678	2.40E-09	-0.0331	0.47551	0.039791
0.128745	0.00533	-0.0386	0.4053	0.159676	0.00053	-0.10437	0.0241	0.049768
0.194816	2.24E-05	0.01296	0.78	0.213636	3.19E-06	-0.03602	0.43746	0.021723
0.096465	0.03717	-0.04295	0.35445	0.185833	5.34E-05	-0.08407	0.0695	0.012429
0.145763	0.00159	-0.03867	0.40447	0.103165	0.02579	-0.09625	0.0376	-0.03677
0.116691	0.01162	-0.00717	0.87714	0.20678	6.63E-06	-0.04702	0.3106	0.122274
-0.08902	0.05455	0.034219	0.46069	-0.1298	0.00496	0.071388	0.12343	-0.10274
0.269305	3.34E-09	0.046512	0.31587	0.304126	1.89E-11	0.0127	0.78429	0.05505
0.129323	0.00513	-0.00307	0.94725	0.215139	2.71E-06	-0.05285	0.2544	0.084167
0.149471	0.0012	0.234421	2.99E-07	0.323545	7.68E-13	0.133943	0.00373	0.028649
0.172217	0.00018	0.035575	0.4431	0.220641	1.47E-06	0.006129	0.89491	0.087537
0.099873	0.03094	-0.11611	0.01204	0.01124	0.80858	-0.12022	0.00931	0.018975
0.197356	1.74E-05	0.005601	0.90392	0.23011	4.98E-07	-0.03712	0.42354	0.065892
0.197922	1.64E-05	-0.02266	0.62526	0.15977	0.00053	-0.0294	0.52619	0.075842
0.045731	0.32407	0.003834	0.93415	-0.02128	0.64645	-0.02992	0.51896	-0.0067
0.134759	0.00353	0.025107	0.58838	0.128211	0.00553	-0.04184	0.36698	-0.04847
0.211184	4.15E-06	0.012587	0.78616	0.181474	8.01E-05	-0.01954	0.67364	0.041978
0.116035	0.0121	-0.02708	0.5594	0.237717	2.01E-07	-0.07294	0.11548	0.054004
0.11092	0.01649	0.036314	0.43368	0.135549	0.00334	-0.03158	0.49604	-0.02753
0.175872	0.00013	0.044172	0.34085	0.307129	1.17E-11	0.010824	0.81554	0.086037
0.081382	0.07894	-0.06145	0.18494	0.155007	0.00078	-0.07928	0.08701	0.120801
0.142828	0.00197	-0.05902	0.20299	0.045018	0.33168	-0.07145	0.1231	0.087263
0.06653	0.15116	-0.05746	0.21523	0.1353	0.0034	0.010831	0.81543	0.161414
0.112113	0.01535	-0.06421	0.16595	0.217412	2.11E-06	-0.1321	0.00424	0.018318
0.182148	7.53E-05	0.01789	0.6998	0.271747	2.38E-09	-0.04113	0.37515	0.04022
0.092613	0.04546	0.057921	0.21153	0.203728	9.10E-06	0.115936	0.01217	0.106024
0.111345	0.01607	-0.01591	0.7316	0.164756	0.00035	-0.03596	0.43819	0.037431
0.07854	0.09001	0.031055	0.50319	0.091798	0.04741	-0.05868	0.20558	-0.06672
0.102492	0.02678	-0.06476	0.16234	0.168691	0.00025	-0.08946	0.05335	0.162101
0.138347	0.00273	0.010609	0.81913	0.239544	1.61E-07	-0.04929	0.28782	0.097507
0.191558	3.08E-05	0.010691	0.81776	0.234541	2.95E-07	-0.03962	0.39293	0.03773
0.151239	0.00104	0.029891	0.51934	0.204943	8.03E-06	-0.03847	0.40686	0.056716
0.114115	0.01361	-0.01283	0.78208	0.239638	1.59E-07	-0.03706	0.42433	0.02268
0.152276	0.00096	0.012902	0.78095	0.253057	2.95E-08	-0.02819	0.54347	0.023333

0.123474	0.00755	-0.02349	0.61263	0.235249	2.71E-07	-0.05995	0.19596	0.047043
0.098523	0.03329	-0.03095	0.50459	0.166599	0.0003	-0.05833	0.20828	0.009441
0.14396	0.00182	-0.03029	0.51373	0.115474	0.01252	-0.01418	0.75985	-0.01651
-0.0787	0.08937	0.242458	1.13E-07	0.104887	0.0234	0.193025	2.67E-05	0.001395
0.078631	0.08964	-0.05473	0.23779	0.053956	0.24453	-0.04979	0.28297	0.068326
0.170771	0.00021	-0.03376	0.46678	0.188224	4.25E-05	-0.07234	0.11849	-0.00765
0.134563	0.00358	-0.02687	0.5624	0.156315	0.0007	-0.09457	0.04107	0.112915
0.136046	0.00322	0.001059	0.98178	0.285066	3.51E-10	-0.07605	0.10073	0.036902
0.113523	0.0141	-0.01156	0.80321	0.192807	2.73E-05	-0.04852	0.29544	0.046118
0.095713	0.03868	-0.10735	0.02032	0.097898	0.03443	-0.09989	0.03091	0.104073
0.074332	0.10866	-0.06477	0.16228	0.133181	0.00394	-0.077	0.09652	0.094154
0.152291	0.00096	-0.03264	0.48163	0.243745	9.61E-08	-0.06589	0.15511	0.043615
0.212649	3.55E-06	-0.02558	0.58136	0.231967	4.01E-07	-0.06904	0.1363	0.108295
0.05819	0.20941	-0.11216	0.01531	0.098824	0.03275	-0.12156	0.00855	0.08052
0.169261	0.00024	0.044791	0.33412	0.194386	2.34E-05	-0.05073	0.27389	0.076916
0.090988	0.0494	-0.00174	0.97011	0.131838	0.00432	-0.11758	0.01099	-0.05423
0.121629	0.00851	0.013279	0.77473	0.193284	2.61E-05	-0.00797	0.8636	0.036212
0.136812	0.00305	0.029381	0.5265	0.197652	1.69E-05	0.021099	0.64927	0.090742
-0.12621	0.00631	-0.0005	0.99136	-0.12251	0.00804	0.014608	0.75287	0.008401
0.372109	8.76E-17	0.253383	2.83E-08	0.468653	7.13E-27	0.208739	5.39E-06	0.117906
0.061928	0.18156	-0.13422	0.00366	0.166628	0.0003	-0.18201	7.63E-05	0.066462
0.209989	4.72E-06	0.168459	0.00026	0.40352	1.03E-19	0.064673	0.16292	0.163578
0.159243	0.00055	0.007982	0.86341	0.267711	4.17E-09	-0.01374	0.76712	0.065807
-0.07781	0.09303	0.105746	0.02229	-0.15883	0.00057	0.104664	0.0237	-0.00485
0.149447	0.0012	-0.02114	0.64858	0.135178	0.00342	-0.02899	0.53197	0.067166
0.066318	0.15246	-0.01848	0.69041	0.066827	0.14933	-0.05823	0.20906	0.037821
0.097053	0.03602	0.002616	0.95503	0.117361	0.01114	-0.01698	0.71438	0.114036
0.116386	0.01184	-0.0342	0.46094	0.145994	0.00156	-0.06467	0.16293	0.022452
0.054372	0.24091	-0.01997	0.66694	0.100396	0.03006	-0.04734	0.30733	0.035077
0.064029	0.16716	0.011019	0.81228	0.107326	0.02035	-0.07865	0.08956	-0.03966
0.179976	9.20E-05	-0.00814	0.86068	0.096276	0.03754	-0.04388	0.34408	-0.04819
0.135314	0.00339	-0.10747	0.02018	0.026337	0.57022	-0.13283	0.00403	-0.05055
0.117843	0.01081	-0.02363	0.61055	0.135739	0.00329	-0.03989	0.38975	0.043586
0.077378	0.09489	0.009985	0.82961	0.056652	0.22172	-0.05048	0.27635	-0.04565
0.191197	3.19E-05	0.011842	0.79854	0.277533	1.05E-09	-0.00342	0.94121	0.096488
0.162139	0.00044	0.031015	0.50374	0.175568	0.00014	0.0144	0.75627	0.047729
0.061331	0.18581	-0.06226	0.17923	-0.01449	0.75483	-0.04366	0.34654	-0.02322
0.042956	0.35433	-0.06894	0.13687	0.024419	0.59863	-0.07644	0.09896	-0.03149
0.100033	0.03067	0.08916	0.05417	0.209448	5.00E-06	0.080854	0.08091	0.009535
0.127212	0.00591	-0.00478	0.91803	0.248869	5.05E-08	-0.08455	0.06794	0.033504
-0.09808	0.0341	-0.06433	0.16515	-0.20472	8.22E-06	-0.0078	0.8665	-0.00208
0.120316	0.00925	-0.07483	0.10629	0.125389	0.00666	-0.10178	0.02786	0.117904
0.109343	0.01809	-0.03361	0.46876	0.178901	0.0001	-0.08706	0.06011	0.068464
-0.06318	0.1729	0.056885	0.21983	-0.04709	0.30991	0.062792	0.17553	-0.00568
0.075665	0.10245	-0.02296	0.62069	0.058869	0.20413	-0.021	0.65076	0.080495

-0.13673	0.00307	0.073612	0.11214	-0.08477	0.06721	0.110789	0.01661	0.024061
0.132164	0.00422	0.019701	0.6711	0.207401	6.21E-06	-0.02463	0.59554	0.079822
0.075372	0.10379	-0.05651	0.22291	0.043899	0.34386	-0.06643	0.15177	-0.10003
0.086724	0.06112	-0.02131	0.64595	0.126034	0.00639	-0.07297	0.11529	0.007867
0.092909	0.04478	-0.0273	0.55614	0.089741	0.05262	-0.03001	0.5177	-0.03963
0.107997	0.01957	-0.02281	0.62291	0.128928	0.00527	-0.05215	0.26075	-0.00273
0.117202	0.01125	-0.06385	0.16832	0.173575	0.00016	-0.11744	0.01109	0.118752
0.138002	0.0028	0.01668	0.71921	0.229321	5.46E-07	-0.03393	0.46449	0.038387
0.080614	0.08181	-0.08367	0.07084	0.18795	4.37E-05	-0.12128	0.0087	0.157051
0.180714	8.59E-05	0.051939	0.26265	0.327352	3.99E-13	0.008329	0.85754	0.074677
0.074767	0.1066	0.055593	0.23049	0.107905	0.01968	0.029592	0.52352	0.002269
0.140859	0.00228	-0.00042	0.99277	0.249444	4.69E-08	-0.04825	0.2981	0.047654
-0.07418	0.10939	-0.01427	0.75838	-0.16636	0.00031	-0.0261	0.57369	-0.07896
0.05215	0.26071	0.182501	7.29E-05	0.207527	6.13E-06	0.167119	0.00029	0.083477
0.151615	0.00101	-0.00062	0.98926	0.220658	1.47E-06	-0.01659	0.72068	0.067528
0.18559	5.46E-05	0.003324	0.94288	0.113502	0.01412	-0.02862	0.5372	-0.02028
0.127756	0.0057	0.091825	0.04734	0.244182	9.10E-08	0.039416	0.39542	0.071825
0.204283	8.60E-06	0.016269	0.72584	0.170741	0.00021	-0.02212	0.63353	0.12795
0.106375	0.0215	0.106649	0.02116	0.336871	7.43E-14	0.036274	0.43418	0.155259
0.1711	0.0002	0.028091	0.54482	0.186726	4.90E-05	0.047097	0.30981	0.190291
0.110332	0.01707	0.019052	0.68133	0.120398	0.00921	-0.06631	0.15249	0.120983
0.201489	1.15E-05	-0.00457	0.92151	0.151213	0.00105	-0.03706	0.42434	-0.01638
0.04746	0.30609	0.033341	0.47228	0.139422	0.00253	0.039911	0.3895	0.161541
0.102084	0.02739	-0.0089	0.84792	0.220704	1.46E-06	-0.03695	0.42566	0.052944
0.157323	0.00065	0.035691	0.44162	0.209067	5.21E-06	0.004173	0.92834	0.032701
0.02026	0.66234	0.087076	0.06007	0.108285	0.01925	0.001742	0.97006	-0.01414
0.147436	0.0014	0.021204	0.64764	0.171795	0.00019	0.015775	0.73385	0.007652
0.025434	0.58353	-0.05932	0.2007	0.020213	0.66307	-0.06665	0.15043	-0.00956
0.099941	0.03082	0.026053	0.5744	0.276154	1.28E-09	-0.08724	0.05958	-0.0019
0.11388	0.0138	0.092576	0.04555	0.287052	2.61E-10	0.072926	0.11553	0.054583
0.153491	0.00088	0.036122	0.43612	0.157476	0.00064	0.043068	0.35308	0.064539
0.117962	0.01073	-0.03087	0.50579	0.191838	3.00E-05	-0.10917	0.01828	0.014844
0.220758	1.45E-06	0.20964	4.90E-06	0.522769	4.11E-34	0.259151	1.33E-08	0.215524
0.206779	6.63E-06	0.032241	0.48702	0.248325	5.41E-08	0.00944	0.83877	0.063864
0.102088	0.02738	-0.09291	0.04478	0.097153	0.03583	-0.13936	0.00254	0.079177
0.193871	2.46E-05	-0.02249	0.62791	0.220381	1.52E-06	-0.09975	0.03115	0.03947
0.145853	0.00158	0.081365	0.079	0.070046	0.13066	0.000408	0.99298	0.116113
0.079798	0.08497	-0.07795	0.09246	0.148732	0.00127	-0.13863	0.00268	0.072653
0.141797	0.00213	0.003242	0.9443	0.134222	0.00366	-0.0055	0.90562	-0.02893
0.17554	0.00014	-0.00781	0.86627	0.17843	0.00011	-0.03007	0.51687	2.31E-05
0.112306	0.01518	-0.07515	0.10481	0.212321	3.68E-06	-0.12637	0.00625	0.071646
0.09299	0.04459	-0.07708	0.09617	0.023869	0.6069	-0.0918	0.04739	0.028226
0.111709	0.01573	0.008156	0.86046	0.218519	1.87E-06	-0.08135	0.07906	0.089095
0.09276	0.04512	0.020439	0.65954	0.176818	0.00012	0.042224	0.3626	0.088457
-0.13822	0.00276	-0.07186	0.12098	-0.25195	3.40E-08	-0.08852	0.05593	-0.0324

0.087695	0.05827	-0.10855	0.01895	0.006473	0.88905	-0.16795	0.00027	-0.07809
0.179478	9.62E-05	0.022414	0.62901	0.173281	0.00017	-0.02798	0.54646	0.026551
0.251457	3.63E-08	0.063561	0.17029	0.192598	2.79E-05	0.012464	0.78821	0.013424
0.070885	0.1261	-0.05615	0.22587	0.141367	0.0022	-0.0605	0.19184	-0.004
0.105154	0.02305	-0.01865	0.68775	0.126317	0.00627	-0.09111	0.0491	-0.05428
0.092039	0.04683	0.035393	0.44544	0.132513	0.00412	-0.00404	0.93064	0.182445
0.063651	0.16968	-0.16284	0.00041	0.009212	0.84261	-0.2087	5.41E-06	0.070163
0.13431	0.00364	0.003513	0.93964	0.142554	0.00201	-0.12373	0.00743	0.027999
0.294365	8.67E-11	0.030563	0.50999	0.248898	5.03E-08	-0.01333	0.77386	-0.00703
0.075829	0.1017	-0.05593	0.22768	0.091545	0.04802	-0.06485	0.16176	0.01096
0.128887	0.00528	-0.01149	0.80436	0.111925	0.01553	-0.03083	0.50628	0.127509
0.137979	0.00281	0.196042	1.98E-05	0.288355	2.15E-10	0.115727	0.01233	0.13716
0.026666	0.56541	-0.09329	0.04391	0.054001	0.24414	-0.14452	0.00174	0.264106
0.203528	9.29E-06	-0.00035	0.99393	0.288534	2.10E-10	-0.04796	0.30105	0.092531
0.051719	0.26467	-0.02726	0.55682	0.095417	0.03929	-0.09573	0.03865	0.030224
0.115545	0.01247	-0.02871	0.53595	0.22007	1.57E-06	-0.08948	0.05332	0.034779
-0.14173	0.00214	-0.0591	0.20235	-0.29796	4.98E-11	-0.05049	0.27621	-0.05124
0.148875	0.00125	-0.07635	0.09935	0.068003	0.14229	-0.13544	0.00336	0.013068
0.143537	0.00187	-0.0632	0.17274	0.066312	0.1525	-0.11353	0.0141	0.039222
0.121499	0.00858	0.00067	0.98847	0.219547	1.67E-06	-0.03581	0.44008	-0.01716
0.103301	0.02559	0.024123	0.60308	0.202672	1.02E-05	-0.0484	0.29665	-0.01255
0.161436	0.00046	0.027334	0.55571	0.249462	4.68E-08	-0.00805	0.86225	0.025928
0.108563	0.01894	-0.11392	0.01377	0.071902	0.12074	-0.09998	0.03075	0.14774
0.151926	0.00099	0.005665	0.90282	0.139825	0.00246	-0.02798	0.54641	0.00802
0.074236	0.10912	-0.0547	0.23805	0.125713	0.00652	-0.07092	0.12592	0.011321
0.231339	4.31E-07	-0.0152	0.74327	0.175583	0.00014	-0.04898	0.29082	-0.0281
0.057817	0.21235	-0.05864	0.20589	0.053713	0.24667	-0.0279	0.54752	0.062497
0.110692	0.01671	0.049669	0.2841	0.248882	5.04E-08	0.003142	0.946	0.037089
0.027103	0.55906	-0.0497	0.28377	0.03819	0.41029	-0.04912	0.28946	0.02012
0.074806	0.10642	-0.01949	0.67435	0.101703	0.02798	-0.06744	0.14562	0.050117
0.212321	3.68E-06	0.169903	0.00023	0.375288	4.57E-17	0.095987	0.03812	0.105696
0.071668	0.12196	0.026291	0.57089	0.08798	0.05745	-0.03574	0.44096	-0.05086
0.055957	0.22746	-0.00221	0.962	0.107961	0.01961	0.009544	0.83703	0.028341
0.116157	0.01201	0.050333	0.27771	0.210315	4.56E-06	-0.01361	0.76926	-0.0205
0.130245	0.00482	-0.05519	0.23388	0.143194	0.00192	-0.13845	0.00271	-0.03115
0.113898	0.01379	-0.03865	0.40472	0.211252	4.12E-06	-0.07082	0.12646	0.030624
0.134652	0.00355	-0.02866	0.53665	0.237555	2.05E-07	-0.09339	0.04368	0.03992
0.033773	0.46656	-0.05482	0.23709	0.085963	0.06343	-0.09356	0.0433	-0.05702
0.074622	0.10729	-0.07678	0.09747	0.04947	0.28604	-0.0805	0.08223	-0.02664
0.194705	2.27E-05	0.02174	0.63936	0.189904	3.62E-05	-0.01282	0.78236	0.15969
0.119039	0.01003	-0.01678	0.71764	0.124139	0.00723	-0.03011	0.51632	-0.01807
0.121887	0.00837	-0.02639	0.56939	0.155752	0.00073	-0.05372	0.2466	0.007885
0.094368	0.04151	0.071799	0.12128	0.316528	2.51E-12	0.032884	0.47837	0.249824
0.19563	2.07E-05	0.001284	0.97793	0.217907	2.00E-06	-0.03996	0.38895	0.040757
0.166215	0.00031	-0.00786	0.86546	0.273345	1.90E-09	-0.0512	0.26946	0.083303

0.274744	1.56E-09	0.433196	8.74E-23	0.583614	5.64E-44	0.278265	9.45E-10	0.205962
-0.0593	0.20081	0.046684	0.31408	-0.19032	3.48E-05	-0.01602	0.72994	-0.15052
0.105322	0.02283	0.065962	0.15468	0.198049	1.62E-05	0.055493	0.23134	0.039556
0.110744	0.01666	0.157531	0.00063	0.169764	0.00023	0.174143	0.00016	0.019076
0.127595	0.00576	0.000529	0.9909	0.072152	0.11945	0.000931	0.98399	0.036132
0.213927	3.09E-06	0.023533	0.61197	0.173727	0.00016	-0.01349	0.77117	-0.0005
0.114019	0.01369	-0.02335	0.61477	0.211181	4.16E-06	-0.06786	0.14315	0.063939
0.180553	8.72E-05	0.02539	0.58418	0.232331	3.84E-07	0.016844	0.71657	0.052891
0.177835	0.00011	-0.00873	0.85067	0.248548	5.26E-08	-0.07993	0.08444	0.034311
-0.10745	0.0202	0.001196	0.97943	-0.18701	4.77E-05	0.078706	0.08933	-0.12217
0.133906	0.00374	-0.01777	0.70167	0.246812	6.55E-08	-0.06559	0.15705	0.042533
0.039242	0.39751	-0.06858	0.13892	0.086957	0.06042	-0.05896	0.20343	0.035515
0.11948	0.00976	-0.07023	0.12967	0.123954	0.00732	-0.05645	0.22338	0.086173
0.018571	0.68895	-0.00468	0.91957	0.10169	0.028	0.045367	0.32794	0.324969
0.221508	1.34E-06	0.435197	5.29E-23	0.558465	1.19E-39	0.3062	1.36E-11	0.132145
0.10312	0.02585	0.00795	0.86396	0.255392	2.18E-08	-0.0232	0.61704	0.019071
0.096202	0.03769	0.031167	0.50165	0.229554	5.32E-07	-0.08997	0.05201	-0.00331
0.163297	0.0004	0.018071	0.6969	0.274271	1.67E-09	-0.03177	0.49342	0.048835
0.13584	0.00327	-0.03596	0.4382	0.00662	0.88655	-0.07339	0.11324	0.085027
0.18125	8.18E-05	0.239758	1.57E-07	0.517545	2.35E-33	0.280267	7.08E-10	0.208864
0.089531	0.05318	-0.08052	0.08219	0.050358	0.27747	-0.16955	0.00023	-0.08986
0.096076	0.03794	-0.02017	0.66368	0.150768	0.00108	-0.0398	0.39084	0.013203
0.072423	0.11807	-0.05695	0.21927	0.041462	0.37133	-0.11488	0.01299	0.001423
0.079768	0.08508	-0.16075	0.00049	-0.0301	0.51638	-0.16091	0.00048	0.060754
0.040294	0.38496	0.004418	0.92413	0.141779	0.00213	0.016386	0.72395	-0.004
0.134835	0.00351	-0.03262	0.48189	0.191424	3.12E-05	-0.06233	0.17873	0.062282
-0.11226	0.01522	-0.03586	0.4394	-0.23908	1.71E-07	-0.0705	0.12817	-0.01451
0.210124	4.65E-06	0.03821	0.41005	0.260807	1.06E-08	0.033796	0.46625	0.157103
0.098788	0.03282	-0.04215	0.36341	0.092713	0.04523	-0.06451	0.16401	0.031409
0.125115	0.00679	-0.02949	0.52501	0.153671	0.00086	-0.04847	0.29592	0.087966
0.096456	0.03719	0.029229	0.52864	0.216011	2.46E-06	0.034732	0.45399	0.162011
-0.08338	0.07185	-0.0547	0.23806	-0.30335	2.14E-11	-0.06683	0.14933	-0.06655
0.151395	0.00103	-0.03888	0.40184	0.117008	0.01139	-0.06457	0.16358	-0.00902
0.054274	0.24176	-0.03973	0.39167	0.132725	0.00406	-0.03819	0.4103	0.191143
0.167651	0.00027	0.028613	0.53737	0.276935	1.14E-09	-0.01409	0.7613	0.067312
0.074094	0.1098	0.011427	0.80545	0.152895	0.00092	0.049489	0.28586	0.035944
0.135131	0.00344	0.045098	0.33082	0.253458	2.80E-08	0.04257	0.35868	0.067869
0.128945	0.00526	-0.06992	0.13138	0.052905	0.25386	-0.0826	0.07455	0.04072
0.119257	0.0099	0.003501	0.93985	0.244015	9.29E-08	-0.02544	0.58344	0.117934
0.198665	1.53E-05	0.0007	0.98796	0.252855	3.03E-08	-0.03636	0.43315	0.056584
0.218607	1.85E-06	-0.00047	0.99188	0.201705	1.12E-05	-0.02954	0.52427	0.101094
0.070066	0.13055	-0.06785	0.14319	0.052413	0.25831	-0.09657	0.03697	0.090827
0.034486	0.4572	-0.12702	0.00598	-0.01915	0.67974	-0.14967	0.00118	-0.00904
0.092636	0.04541	-0.02805	0.54545	0.151644	0.00101	-0.02427	0.60092	0.191013
0.169506	0.00023	-0.00526	0.90982	0.201267	1.17E-05	-0.0137	0.76774	0.069529

0.147344	0.00141	0.055801	0.22875	0.291289	1.38E-10	0.027227	0.55726	0.178406
0.114545	0.01325	0.010662	0.81825	0.149461	0.0012	-0.02984	0.52005	0.074786
0.174266	0.00015	0.016644	0.71979	0.276822	1.16E-09	-0.02369	0.60964	0.064476
0.150558	0.0011	0.00502	0.91385	0.163381	0.00039	-0.03136	0.49895	0.117226
0.038986	0.4006	-0.10338	0.02548	0.118558	0.01034	-0.10464	0.02373	0.085659
0.103617	0.02514	0.071535	0.12265	0.215409	2.63E-06	0.024458	0.59805	0.031411
0.196126	1.97E-05	0.025549	0.58182	0.270604	2.79E-09	-0.00979	0.83292	0.065838
0.109978	0.01743	-0.04741	0.30664	0.231421	4.27E-07	-0.1007	0.02957	0.036827
0.082276	0.07569	0.059013	0.20303	0.21367	3.18E-06	0.067527	0.14511	0.173816
-0.14399	0.00181	-0.09806	0.03414	-0.3097	7.71E-12	-0.09634	0.03742	-0.0369
0.423533	9.44E-22	0.12997	0.00491	0.265403	5.72E-09	0.078485	0.09024	0.094698
0.030204	0.51498	-0.05259	0.25669	0.203317	9.50E-06	-0.0461	0.3202	0.214079
0.113967	0.01373	-0.01974	0.67043	0.13262	0.00409	-0.12469	0.00698	-0.02991
0.161725	0.00045	-0.02658	0.56662	0.055382	0.23227	-0.01779	0.70145	0.060397
0.097566	0.03505	-0.01296	0.78	0.08323	0.07235	-0.07109	0.12501	0.120913
0.058545	0.20664	0.000636	0.98907	0.116156	0.01201	-0.0446	0.33617	0.062837
0.093034	0.04449	-0.05075	0.27378	0.163478	0.00039	-0.03866	0.4045	0.11066
0.073042	0.11495	0.003733	0.93588	0.150944	0.00107	0.012028	0.79545	0.282473
0.086772	0.06098	-0.01935	0.67659	0.182467	7.31E-05	-0.10981	0.01761	-0.01857
0.126139	0.00634	-0.02744	0.55419	0.155928	0.00072	-0.06306	0.17367	0.052936
0.178325	0.00011	0.012584	0.78623	0.276889	1.15E-09	-0.03356	0.46933	0.055511
-0.10022	0.03036	-0.01834	0.69266	-0.18359	6.59E-05	-0.01697	0.71452	-0.11173
0.196344	1.93E-05	0.002077	0.96429	0.267645	4.21E-09	-0.06131	0.18598	0.058411
0.167707	0.00027	0.076661	0.09799	0.312529	4.86E-12	0.039901	0.38962	0.131836
0.068656	0.13849	0.046148	0.31967	0.240012	1.52E-07	-0.00416	0.92849	0.096474
-0.0097	0.83433	0.012	0.79592	-0.05536	0.23247	-0.04353	0.34791	-0.12095
0.088987	0.05465	-0.03996	0.38895	0.055948	0.22753	-0.05191	0.2629	-0.03603
0.102096	0.02737	0.043928	0.34353	0.126299	0.00628	-0.00834	0.85742	-0.0461
0.18031	8.92E-05	0.024762	0.59351	0.183184	6.84E-05	-0.00111	0.98084	0.229092
0.15039	0.00111	0.009452	0.83858	0.211892	3.85E-06	-0.03521	0.44778	0.00086
0.11024	0.01716	-0.00072	0.98767	0.228243	6.19E-07	-0.03694	0.42576	0.010484
0.125938	0.00643	-0.0669	0.14887	0.043873	0.34414	-0.10928	0.01816	0.043708
0.129316	0.00513	-0.00784	0.86578	0.137627	0.00288	0.009925	0.83061	0.129177
0.157811	0.00062	-0.04538	0.32785	0.118289	0.01052	-0.08649	0.06182	0.035857
0.101916	0.02765	-0.07612	0.1004	0.141107	0.00224	-0.12226	0.00817	0.120494
0.120376	0.00922	-0.04827	0.29793	0.245691	7.54E-08	-0.1112	0.01622	0.091931
0.100893	0.02926	0.005482	0.90594	0.225487	8.51E-07	0.010373	0.8231	0.014379
0.056414	0.22367	-0.02958	0.52377	0.035564	0.44325	-0.12601	0.0064	0.008782
0.114806	0.01305	-0.06229	0.17898	0.179423	9.67E-05	-0.05022	0.27878	0.061185
0.173826	0.00016	0.119703	0.00962	0.222536	1.19E-06	0.064601	0.16339	0.112646
0.100888	0.02926	0.007744	0.86744	0.160254	0.00051	-0.03577	0.44054	0.007422
0.031059	0.50314	-0.08148	0.07857	0.071586	0.12239	-0.17395	0.00016	0.088862
0.149783	0.00117	0.093793	0.04277	0.200972	1.21E-05	0.031036	0.50346	0.06344
0.112988	0.01457	-0.04431	0.33939	0.121124	0.00879	-0.1006	0.02974	0.012783
0.059995	0.1956	-0.02945	0.52548	0.085487	0.06492	-0.054	0.24417	0.192645

0.137399	0.00293	-0.06432	0.16527	0.108207	0.01934	-0.08117	0.07971	0.116089
0.176586	0.00013	0.078546	0.08999	0.157309	0.00065	-0.00377	0.93516	0.085884
0.048376	0.29685	-0.01656	0.72117	0.152335	0.00096	-0.03528	0.44693	0.070443
0.174029	0.00016	-0.01409	0.76142	0.263259	7.65E-09	-0.05798	0.21104	0.076987
0.119246	0.0099	-0.03532	0.44642	0.125197	0.00675	-0.04766	0.30405	0.03173
0.069518	0.13359	0.074661	0.1071	0.12113	0.00879	-0.02336	0.61466	0.007489
0.071442	0.12314	0.056474	0.22318	0.160172	0.00051	0.082912	0.07345	0.138641
-0.21909	1.75E-06	-0.15908	0.00056	-0.32075	1.24E-12	-0.12602	0.00639	-0.08149
0.082123	0.07624	-0.10974	0.01768	0.060001	0.19555	-0.15488	0.00078	-0.00481
0.150704	0.00109	0.01054	0.82029	0.27657	1.20E-09	-0.02406	0.60405	0.050738
0.062169	0.17986	-0.10641	0.02146	0.103949	0.02468	-0.08355	0.07124	0.09856
0.132796	0.00404	-0.03672	0.42858	0.074399	0.10834	-0.07398	0.11034	0.127683
0.219621	1.65E-06	-0.04769	0.30378	0.142905	0.00196	-0.12321	0.00768	-0.00353
0.108542	0.01896	-0.12863	0.00537	0.16895	0.00024	-0.23325	3.44E-07	0.083944
0.19532	2.13E-05	0.079175	0.08744	0.195219	2.15E-05	0.013436	0.77213	0.096636
0.101709	0.02797	-0.10291	0.02615	0.054351	0.2411	-0.17381	0.00016	0.008935
0.247035	6.37E-08	0.119268	0.00989	0.356782	1.83E-15	0.117437	0.01109	0.092627
0.172631	0.00018	-0.0065	0.88862	0.16827	0.00026	-0.0182	0.6949	-0.00867
0.087761	0.05808	-0.09144	0.04829	0.151306	0.00104	-0.14324	0.00191	0.063957
0.104096	0.02447	0.084059	0.06954	0.212514	3.60E-06	0.031006	0.50388	0.043157
0.144589	0.00173	-0.00979	0.83284	0.171722	0.00019	-0.08771	0.05823	-0.00786
0.089151	0.0542	0.002667	0.95416	0.173609	0.00016	0.016955	0.71478	0.029845
0.109159	0.01829	0.037343	0.42076	0.215287	2.66E-06	-0.00289	0.9503	-0.00489
0.118634	0.01029	-0.02792	0.54722	0.201539	1.14E-05	-0.0738	0.11122	0.025977
-0.17584	0.00013	-0.0421	0.36395	-0.26414	6.79E-09	0.011096	0.81099	0.044198
0.104312	0.02418	-0.03324	0.47366	0.08716	0.05983	-0.03328	0.47307	0.075487
0.135076	0.00345	0.002413	0.95853	0.148337	0.00131	-0.10414	0.02441	-0.01495
-0.09115	0.04901	-0.06427	0.16557	-0.28132	6.07E-10	-0.02852	0.53866	-0.12737
-0.12917	0.00518	0.107385	0.02028	-0.1198	0.00956	0.130635	0.00469	-0.18438
0.134444	0.00361	-0.05093	0.27204	0.197043	1.80E-05	-0.06839	0.14002	0.070966
0.097219	0.03571	0.052714	0.25558	0.196138	1.97E-05	0.065612	0.15689	0.11996
0.002894	0.95027	0.02374	0.60884	-0.08237	0.07534	0.025256	0.58616	-0.03533
0.109661	0.01776	-0.00229	0.96063	0.124049	0.00728	-0.03464	0.45525	0.019885
0.135433	0.00336	-0.03022	0.51477	0.127589	0.00576	-0.06049	0.19193	0.047537
0.142531	0.00202	0.215497	2.60E-06	0.443944	5.65E-24	0.256919	1.78E-08	0.08046
0.15575	0.00073	0.055708	0.22953	0.178755	0.0001	0.034537	0.45653	0.007335
0.089835	0.05237	-0.07758	0.09401	-0.04169	0.36874	-0.07771	0.09349	0.034547
0.184981	5.78E-05	-0.08044	0.08246	0.152718	0.00093	-0.165	0.00034	0.067925
0.082368	0.07536	0.022199	0.63229	0.097491	0.03519	-0.00059	0.98993	0.009831
0.075581	0.10283	0.040956	0.3772	0.077271	0.09535	-0.02267	0.62508	-0.06977
0.155027	0.00078	-0.05027	0.27828	0.117915	0.01077	-0.08875	0.05529	0.015609
0.215947	2.48E-06	0.028789	0.53486	0.189218	3.87E-05	-0.00205	0.96482	0.040995
0.22131	1.37E-06	0.028611	0.5374	0.164985	0.00034	0.007752	0.86731	0.026428
0.281494	5.92E-10	0.025454	0.58322	0.176438	0.00013	0.015509	0.73817	0.001307
0.08325	0.07228	-0.04322	0.35139	0.042162	0.3633	-0.06945	0.13398	0.006024



0.172366	0.00018	-0.00237	0.95926	0.188212	4.26E-05	-0.0326	0.48222	0.047359
0.088996	0.05462	0.030294	0.51372	0.075727	0.10217	0.005026	0.91375	-0.05042
0.196046	1.98E-05	0.021779	0.63876	0.170261	0.00022	0.040446	0.38318	0.122417
0.143586	0.00187	0.036087	0.43657	0.225637	8.36E-07	0.047289	0.30785	0.176259
0.377644	2.81E-17	0.239881	1.55E-07	0.45056	9.98E-25	0.201854	1.10E-05	0.102161
0.116112	0.01204	-0.03479	0.45318	0.289034	1.94E-10	-0.0666	0.1507	0.087903
0.246865	6.50E-08	0.023741	0.60883	0.275306	1.44E-09	-0.02941	0.52609	0.087477
0.149836	0.00116	-0.01244	0.7886	0.188603	4.10E-05	-0.04777	0.30296	0.074293
-0.1375	0.00291	-0.04632	0.3179	-0.14724	0.00142	0.029463	0.52534	0.071923
0.14803	0.00134	-0.02035	0.6609	0.279494	7.91E-10	-0.06057	0.19137	0.091116
0.12798	0.00561	-0.04123	0.37396	0.097331	0.03549	-0.06441	0.16461	0.037568
0.210238	4.60E-06	-0.00393	0.93244	0.141614	0.00216	0.001508	0.97407	0.081006
0.076904	0.09693	-0.03233	0.48576	0.168676	0.00025	0.000558	0.9904	0.094577
0.151311	0.00104	-0.05966	0.19812	0.192138	2.91E-05	-0.08344	0.07164	0.073173
0.130872	0.00461	0.04395	0.3433	0.171118	0.0002	-0.07778	0.09318	0.065672
0.193233	2.62E-05	0.01532	0.74124	0.243083	1.04E-07	-0.03618	0.43535	0.032069
0.128851	0.00529	-0.02935	0.52687	0.210596	4.42E-06	-0.0328	0.4795	0.164585
-0.04197	0.36545	0.016873	0.7161	-0.17668	0.00012	0.11102	0.01639	-0.05042
0.10265	0.02654	-0.05292	0.25373	0.092957	0.04467	-0.15924	0.00055	-0.14494
0.181625	7.90E-05	0.018823	0.68495	0.153771	0.00086	0.001205	0.97928	0.02118
0.05458	0.23911	-0.05095	0.27186	0.083523	0.07135	-0.10472	0.02363	0.094201
0.120427	0.00919	0.058979	0.20329	0.178151	0.00011	-0.02384	0.60727	-0.03287
0.041404	0.372	-0.09557	0.03897	0.02494	0.59086	-0.0817	0.07776	0.073108
0.07838	0.09067	-0.08427	0.06884	-0.02798	0.5464	-0.08593	0.06355	0.013647
0.19044	3.44E-05	0.021949	0.63614	0.246955	6.43E-08	-0.03289	0.47836	0.034529
0.069253	0.13508	0.142719	0.00199	0.235852	2.52E-07	0.0247	0.59443	-0.03531
0.146994	0.00145	-0.07608	0.10055	0.167537	0.00028	-0.1525	0.00095	0.066328
0.129147	0.00519	-0.02445	0.59823	0.195986	2.00E-05	-0.06054	0.19153	0.032812
0.115831	0.01225	-0.03007	0.51691	0.070018	0.13081	-0.03279	0.47958	0.154493
0.357192	1.69E-15	0.08148	0.07858	0.17634	0.00013	0.078602	0.08976	0.037282
0.190439	3.44E-05	0.026073	0.57409	0.194516	2.31E-05	-0.00916	0.84343	-0.01985
0.13873	0.00266	0.002883	0.95045	0.132861	0.00402	-0.02302	0.61979	0.100452
0.177726	0.00011	0.013464	0.77167	0.251725	3.50E-08	-0.001	0.98281	0.096971
0.146615	0.00149	0.002535	0.95643	0.219779	1.62E-06	-0.02981	0.52048	0.09479
0.201379	1.16E-05	0.031348	0.49917	0.177064	0.00012	-0.00971	0.83425	0.01959
0.154257	0.00082	0.004649	0.92019	0.258214	1.50E-08	-0.03195	0.49103	0.042641
0.117933	0.01075	0.02102	0.65049	0.188995	3.95E-05	-0.01999	0.66662	0.04227
0.212019	3.80E-06	0.032874	0.4785	0.218932	1.78E-06	0.016597	0.72055	0.044913
0.171362	0.0002	0.033445	0.4709	0.303113	2.22E-11	0.009747	0.83361	0.100666
0.016042	0.72952	0.013345	0.77362	0.058034	0.21064	-0.02102	0.65043	0.043089
0.16588	0.00032	0.016986	0.71428	0.159032	0.00056	0.000204	0.99648	0.031001
0.179555	9.56E-05	-0.03872	0.40384	0.122264	0.00817	-0.06143	0.18507	-0.01186
0.162723	0.00041	0.019096	0.68064	0.188584	4.11E-05	-0.02664	0.56576	0.036667
0.130754	0.00465	0.030152	0.51569	0.136327	0.00316	-0.01332	0.774	0.033058
0.105374	0.02276	0.009018	0.84589	0.198439	1.56E-05	-0.04798	0.30086	0.017625

0.176316	0.00013	0.028001	0.54611	0.219029	1.76E-06	-0.00408	0.93001	0.040945
0.081945	0.07688	0.039261	0.39728	0.160607	0.00049	0.032167	0.48803	0.046844
0.034164	0.4614	-0.00842	0.85602	0.112554	0.01495	-0.02185	0.63762	0.024578
0.075804	0.10182	-0.00324	0.94429	0.123032	0.00777	-0.02594	0.57609	0.005017
0.143653	0.00186	-0.02697	0.56104	0.105354	0.02279	-0.03291	0.47806	0.030132
0.063875	0.16819	-0.01664	0.71981	0.085506	0.06486	-0.01897	0.68262	-0.01422
0.261787	9.33E-09	0.078401	0.09058	0.20706	6.43E-06	0.060241	0.19377	0.144952
0.156855	0.00067	0.002653	0.95441	0.220229	1.54E-06	-0.03451	0.4569	0.069251
0.136345	0.00315	0.077835	0.09294	0.183121	6.88E-05	0.032227	0.48721	0.051841
0.15908	0.00056	-0.0042	0.92795	0.144592	0.00173	-0.03861	0.40521	0.003922
0.141403	0.00219	0.015038	0.74585	0.176704	0.00012	-0.04337	0.34967	0.037505
0.091484	0.04817	-0.00079	0.98639	0.178308	0.00011	-0.04566	0.32483	0.052932
0.213474	3.25E-06	0.049578	0.28499	0.160781	0.00049	0.050305	0.27798	0.042663
0.203504	9.32E-06	0.034017	0.46334	0.193539	2.54E-05	0.001771	0.96954	0.01659
0.153174	0.0009	0.014897	0.74816	0.220461	1.50E-06	-0.0428	0.35603	0.067818
0.146653	0.00148	-0.00776	0.8671	0.158278	0.0006	-0.04424	0.34016	0.048246
0.179454	9.65E-05	0.011952	0.79672	0.211245	4.13E-06	-0.02369	0.60961	0.053108
0.161637	0.00045	-0.00182	0.96876	0.199598	1.39E-05	-0.04161	0.36961	0.083354
0.122498	0.00805	-0.01436	0.75686	0.127779	0.00569	-0.02478	0.59331	0.035345
0.188989	3.95E-05	0.041061	0.37597	0.262583	8.38E-09	0.010088	0.82788	0.076459
0.121751	0.00844	-0.01765	0.70369	0.188642	4.09E-05	-0.05617	0.22569	0.063956
0.167376	0.00028	0.016293	0.72546	0.237706	2.02E-07	-0.01855	0.68927	0.069211
0.111943	0.01551	0.044799	0.33405	0.131639	0.00438	0.021823	0.63808	0.110528
0.15533	0.00076	0.027072	0.55952	0.237767	2.00E-07	-0.01438	0.75661	0.074774
0.100795	0.02941	-0.0377	0.41627	0.086003	0.06331	-0.03916	0.39855	0.074889
0.175473	0.00014	0.029207	0.52895	0.225871	8.14E-07	-0.01152	0.80396	0.077407
0.142907	0.00196	0.007472	0.87205	0.231204	4.38E-07	-0.00163	0.97195	0.049756
0.110186	0.01722	-0.0081	0.86146	0.105471	0.02264	-0.04267	0.35752	0.022677
0.153594	0.00087	-0.02491	0.59132	0.115274	0.01268	-0.01597	0.73073	0.033217
0.177254	0.00012	-0.00345	0.94065	0.218127	1.95E-06	-0.05978	0.1972	0.043564
0.159715	0.00053	0.028365	0.5409	0.17191	0.00019	-0.04798	0.3008	-0.01723
0.109194	0.01825	0.023986	0.60514	0.128921	0.00527	0.014433	0.75575	0.03212
0.170087	0.00022	0.015069	0.74534	0.159162	0.00056	-0.01985	0.66883	0.107652
0.184811	5.88E-05	-0.0193	0.67744	0.105071	0.02316	-0.0491	0.28965	0.026153
0.044628	0.33589	-0.14317	0.00193	-0.02694	0.5615	-0.1483	0.00131	0.113873
0.142206	0.00207	-0.03384	0.46569	0.180693	8.61E-05	-0.07434	0.10864	-0.00042
0.172065	0.00019	-0.01584	0.73278	0.20643	6.87E-06	-0.05738	0.21581	0.04434
0.137923	0.00282	0.002153	0.963	0.200573	1.26E-05	-0.03715	0.42315	0.050936
0.114268	0.01348	-0.00267	0.95406	0.172104	0.00019	-0.04949	0.2858	0.080446
0.17238	0.00018	0.024103	0.60338	0.186796	4.87E-05	-0.01057	0.81978	0.033327
0.150026	0.00115	0.006299	0.89202	0.200289	1.29E-05	-0.03617	0.43547	0.041492
0.164253	0.00036	0.011013	0.81237	0.278927	8.59E-10	-0.02567	0.58009	0.058214
0.043626	0.34687	-0.08132	0.07918	0.0805	0.08225	-0.11006	0.01735	-0.04757
0.088111	0.05708	-0.0052	0.91069	0.162358	0.00043	-0.05914	0.20203	0.057703
0.083746	0.07059	-0.04299	0.35396	0.02646	0.56842	-0.08985	0.05233	0.023392

0.078637	0.08962	-0.04702	0.31058	0.049306	0.28764	-0.08154	0.07836	0.008211
0.190819	3.31E-05	0.010642	0.81859	0.259501	1.27E-08	-0.03251	0.48335	0.068276
0.115538	0.01247	0.057967	0.21116	0.299364	4.00E-11	-0.04765	0.30413	0.038778
0.152964	0.00091	-0.0251	0.58844	0.209992	4.72E-06	-0.06026	0.19363	0.048267
0.05234	0.25897	-0.08141	0.07883	0.105339	0.02281	-0.16181	0.00045	-0.00213
0.161129	0.00047	-0.02046	0.65918	0.21805	1.97E-06	-0.06817	0.14131	0.048787
0.10735	0.02032	-0.02281	0.62295	0.072758	0.11637	-0.11343	0.01419	-0.04519
0.185621	5.44E-05	0.034082	0.46248	0.225547	8.45E-07	-0.04877	0.29289	0.003236
-0.07536	0.10386	0.098717	0.03294	-0.05797	0.21118	0.147618	0.00138	0.086453
0.116884	0.01148	0.024314	0.60022	0.001017	0.98252	-0.02629	0.57098	-0.07825
0.093537	0.04335	-0.03299	0.477	0.192275	2.88E-05	-0.03679	0.42764	0.053085
0.095813	0.03847	-0.00194	0.96673	-0.02614	0.57314	-0.06897	0.13667	-0.16527
0.205663	7.45E-06	0.018437	0.69108	0.26649	4.93E-09	-0.03238	0.48515	0.072322
0.088995	0.05462	-0.01073	0.81714	0.140408	0.00236	-0.0112	0.8093	0.074943
0.152914	0.00092	0.002171	0.96268	0.251782	3.48E-08	-0.03029	0.51379	0.037711
0.120681	0.00904	-0.03558	0.44305	0.119397	0.00981	-0.06029	0.19342	0.148265
0.099902	0.03089	-0.03236	0.48546	0.174079	0.00016	-0.06357	0.17021	0.023214
0.155104	0.00077	0.005466	0.90622	0.238171	1.91E-07	-0.02695	0.56126	0.033105
0.07124	0.12421	0.002177	0.96257	0.118046	0.01068	0.003846	0.93393	0.012121
0.115106	0.01281	0.03049	0.511	0.205902	7.26E-06	0.027767	0.54946	0.04388
0.187377	4.61E-05	0.023527	0.61206	0.259915	1.20E-08	-0.02272	0.62436	0.049643
0.127803	0.00568	-0.00221	0.96201	0.122858	0.00786	-0.00109	0.9812	0.146922
0.177859	0.00011	0.015616	0.73644	0.293207	1.03E-10	-0.04868	0.29381	0.070163
0.126246	0.0063	-0.03579	0.44041	0.167534	0.00028	-0.06101	0.18815	0.023504
0.051648	0.26534	0.006123	0.89501	0.086649	0.06135	-0.03736	0.42052	-0.01397
0.073846	0.111	-0.06104	0.18795	0.013646	0.76867	-0.08026	0.08315	0.050107
0.079656	0.08552	0.068451	0.13968	0.171077	0.0002	0.004457	0.92347	0.020179
0.238467	1.84E-07	-0.05355	0.24814	0.178546	0.0001	-0.06912	0.13584	0.072224
-0.04719	0.30884	0.018282	0.69354	-0.11537	0.0126	0.055062	0.23498	0.042466
0.115037	0.01286	0.020325	0.66132	0.172442	0.00018	-0.05619	0.22553	0.035351
0.120774	0.00899	-0.0116	0.80252	0.169017	0.00024	-0.07316	0.11436	-0.03572
0.158503	0.00059	0.061641	0.1836	0.268658	3.66E-09	-0.03671	0.42865	0.089317
0.118808	0.01018	0.078435	0.09044	0.180761	8.56E-05	-0.00659	0.88708	-0.0262
0.112405	0.01509	0.058701	0.20543	0.18445	6.08E-05	0.004088	0.9298	-0.03364
0.111618	0.01581	-0.03154	0.49657	0.202102	1.08E-05	-0.12118	0.00876	0.065651
0.009695	0.83448	-0.04106	0.37602	0.062091	0.18041	-0.05035	0.27751	0.106528
0.158275	0.0006	-0.02181	0.63824	0.219286	1.71E-06	-0.05381	0.24579	-0.00039
0.139798	0.00246	-0.01258	0.78622	0.090097	0.05168	-0.0563	0.22461	0.040763
0.086052	0.06316	-0.1048	0.02352	0.008421	0.85597	-0.0817	0.07779	0.091789
0.155405	0.00075	0.003647	0.93734	0.245273	7.94E-08	-0.03461	0.45555	0.029508
0.185973	5.27E-05	0.015795	0.73352	0.11334	0.01426	-0.01499	0.7466	-0.00515
0.188752	4.04E-05	0.014543	0.75394	0.132587	0.0041	-0.01024	0.82531	0.021307
0.189096	3.91E-05	0.042289	0.36186	0.104399	0.02406	-0.00475	0.91851	0.018748
0.206694	6.69E-06	-0.0072	0.87675	0.169586	0.00023	-0.03685	0.42695	0.00925
0.204975	8.00E-06	0.015659	0.73574	0.133408	0.00388	-0.00085	0.98532	0.017842

0.148148	0.00132	0.025978	0.57549	0.159168	0.00056	-0.01828	0.6936	0.031882
-0.18895	3.97E-05	-0.12033	0.00925	-0.32697	4.26E-13	-0.08858	0.05575	-0.12765
0.135172	0.00343	0.146413	0.00151	0.182761	7.11E-05	0.026307	0.57067	-0.04022
0.158826	0.00057	0.042087	0.36416	0.291021	1.44E-10	-0.00923	0.84227	0.096152
0.067772	0.14365	0.011879	0.79793	0.132139	0.00423	-0.00857	0.85354	0.093479
-0.15181	0.001	0.000124	0.99787	-0.14914	0.00123	0.063623	0.16987	-0.04801
0.414949	7.33E-21	0.246039	7.22E-08	0.5336	1.01E-35	0.277676	1.03E-09	0.27644
0.057606	0.21403	-0.09329	0.0439	0.077678	0.09361	-0.09792	0.03438	0.115023
0.123705	0.00744	-0.02015	0.66399	0.234638	2.92E-07	-0.06186	0.18202	0.082103
0.210847	4.31E-06	0.033125	0.47515	0.234901	2.83E-07	0.021977	0.6357	0.088289
0.092747	0.04515	-0.1196	0.00968	0.131639	0.00438	-0.13107	0.00455	0.076492
0.077042	0.09633	-0.05636	0.22416	0.193463	2.56E-05	-0.13436	0.00363	0.011924
0.034194	0.46101	-0.15016	0.00113	0.106621	0.02119	-0.13552	0.00334	0.161792
0.092239	0.04635	0.033166	0.47461	0.223555	1.06E-06	-0.09181	0.04738	0.024227
0.083962	0.06987	-0.00999	0.82959	0.145906	0.00157	-0.03685	0.42693	0.000402
0.168531	0.00025	0.007376	0.8737	0.223612	1.05E-06	-0.02938	0.5265	0.011823
0.195223	2.15E-05	-0.02394	0.60577	0.099583	0.03143	-0.03755	0.41824	0.109187
0.109772	0.01764	-0.08284	0.0737	-0.01304	0.77861	-0.1333	0.0039	0.019807
0.184723	5.92E-05	0.570114	1.31E-41	0.581846	1.17E-43	0.405524	6.52E-20	0.161996
0.100361	0.03012	0.045051	0.33133	0.1789	0.0001	0.025719	0.57931	0.06438
0.097673	0.03485	0.03488	0.45206	0.196137	1.97E-05	0.016676	0.71927	0.085272
0.039184	0.3982	-0.01953	0.67386	0.090269	0.05124	-0.01839	0.69183	0.105537
0.118451	0.01041	-0.0521	0.2612	0.212232	3.71E-06	-0.13131	0.00448	0.156095
0.114267	0.01348	-0.01359	0.76954	0.170359	0.00022	-0.0768	0.09736	-0.03457
0.100662	0.02963	0.044991	0.33198	0.156069	0.00071	0.033915	0.46469	0.09535
0.031215	0.501	0.204516	8.39E-06	0.260445	1.12E-08	0.224415	9.62E-07	0.047339
0.130301	0.0048	-0.01337	0.77329	0.227786	6.53E-07	-0.05792	0.21156	0.02666
0.094135	0.04202	0.012901	0.78097	0.227418	6.81E-07	-0.08059	0.0819	0.057711
0.130643	0.00469	0.138022	0.0028	0.258649	1.42E-08	0.055791	0.22883	0.079858
-0.08085	0.08092	-0.0108	0.8159	-0.10041	0.03004	0.021861	0.63749	0.063038
0.159089	0.00056	-0.03216	0.48811	0.136026	0.00323	-0.06412	0.16653	0.096611
-0.02997	0.51828	0.127166	0.00593	0.019052	0.68132	0.192848	2.72E-05	-0.01217
0.080638	0.08172	-0.12165	0.0085	0.216894	2.23E-06	-0.1683	0.00026	0.181655
0.091982	0.04696	-0.05947	0.19956	0.150682	0.00109	-0.12643	0.00622	0.053332
0.086414	0.06205	-0.02728	0.55651	0.148441	0.00129	-0.06538	0.15834	0.025546
0.095352	0.03942	0.070509	0.12813	0.110341	0.01706	-0.01876	0.6859	-0.0376
0.148504	0.00129	0.027163	0.55819	0.292564	1.14E-10	-0.03849	0.40668	0.046521
0.168121	0.00026	-0.00379	0.93485	0.219259	1.72E-06	-0.06887	0.13726	0.01352
0.194823	2.24E-05	0.019589	0.67286	0.24084	1.38E-07	-0.05045	0.27663	0.074209
0.150057	0.00114	-0.02916	0.52954	0.148856	0.00125	-0.04093	0.37754	0.129794
0.008426	0.8559	-0.01782	0.70095	0.13538	0.00338	0.012674	0.78472	0.085969
0.089996	0.05195	-0.04149	0.371	0.148926	0.00125	-0.15632	0.0007	-0.02092
0.114163	0.01357	-0.02275	0.62391	0.212617	3.56E-06	-0.0888	0.05515	0.002585
0.087915	0.05764	-0.05044	0.27669	0.173527	0.00016	-0.10493	0.02334	0.081051
0.087445	0.05899	-0.03424	0.46047	0.145316	0.00164	-0.10984	0.01757	0.064635

0.141185	0.00223	-0.01598	0.7306	0.247654	5.89E-08	-0.07988	0.08466	0.070733
0.028369	0.54084	0.038415	0.40754	0.14184	0.00212	-0.00674	0.88443	0.056019
0.04881	0.29252	0.001451	0.97505	0.138304	0.00274	-0.13347	0.00386	0.009895
0.171152	0.0002	0.00717	0.87718	0.264036	6.88E-09	-0.05003	0.2806	0.033805
0.148169	0.00132	-0.0017	0.97078	0.21852	1.87E-06	-0.05776	0.21282	0.051549
0.113151	0.01442	-0.02331	0.61531	0.109525	0.0179	-0.1383	0.00274	0.079345
0.013664	0.76837	-0.051	0.27134	0.048018	0.30043	-0.03253	0.48316	-0.01314
0.137861	0.00283	-0.04853	0.29528	0.149947	0.00115	-0.11595	0.01216	0.012103
0.034098	0.46228	-0.03847	0.40684	0.117609	0.01097	-0.06603	0.15426	0.020289
0.120052	0.00941	-0.06311	0.17332	0.17071	0.00021	-0.10515	0.02305	0.149676
0.04632	0.31787	-0.0063	0.89198	0.08098	0.08043	-0.04208	0.36426	0.011559
0.035147	0.44862	-0.01937	0.67638	0.096174	0.03775	-0.02381	0.60772	-0.00316
0.166077	0.00031	0.047621	0.30446	0.254978	2.30E-08	-0.00143	0.97542	0.053399
0.103091	0.0259	-0.02895	0.53257	0.249519	4.65E-08	-0.06638	0.1521	0.073058
0.114924	0.01295	0.016047	0.72944	0.288716	2.04E-10	-0.05753	0.21465	0.04374
0.094241	0.04179	-0.05769	0.21339	0.207764	5.97E-06	-0.11484	0.01302	0.086685
0.064222	0.16588	-0.02962	0.52316	0.132925	0.00401	-0.05331	0.25021	0.183581
0.114038	0.01367	-0.04346	0.34867	0.085581	0.06462	-0.1195	0.00974	0.203226
0.114888	0.01298	-0.00405	0.93048	0.10888	0.01859	-0.0432	0.35159	-0.04221
0.109322	0.01812	-0.06048	0.19199	0.119341	0.00984	-0.06607	0.15402	0.050721
0.095384	0.03936	-0.07715	0.09586	0.084508	0.06806	-0.09753	0.03512	0.059913
0.093711	0.04296	-0.00769	0.86843	0.205958	7.22E-06	-0.08064	0.08173	0.066601
0.090527	0.05057	0.053059	0.25248	0.193989	2.43E-05	-0.04064	0.38086	0.023337
0.16781	0.00027	0.024818	0.59267	0.278353	9.33E-10	-0.02875	0.53548	0.056702
0.137856	0.00283	0.009716	0.83413	0.248498	5.29E-08	-0.02913	0.53002	0.114703
0.14745	0.0014	0.044815	0.33387	0.224168	9.89E-07	-0.00262	0.955	0.158491
0.086406	0.06208	-0.03205	0.48967	0.104525	0.02389	-0.07924	0.08716	0.003896
0.19138	3.14E-05	-0.0243	0.60035	0.164329	0.00036	-0.03915	0.39865	0.043689
0.083423	0.07169	-0.06131	0.18595	0.079035	0.088	-0.14084	0.00228	0.070131
0.101791	0.02784	0.013991	0.76299	0.061761	0.18274	-0.08561	0.06452	-0.0265
0.208387	5.59E-06	0.162786	0.00041	0.355224	2.46E-15	0.188186	4.27E-05	0.226342
0.08177	0.07752	0.013646	0.76867	0.083343	0.07196	-0.00072	0.98756	0.013167
-0.15728	0.00065	-0.02224	0.63164	-0.29328	1.02E-10	-0.00397	0.93176	-0.01128
0.160889	0.00048	-0.0315	0.49704	0.089804	0.05245	-0.01746	0.70663	0.100188
0.066679	0.15024	-0.03927	0.39714	0.165436	0.00033	-0.07349	0.11274	0.065512
0.155688	0.00074	0.056954	0.21926	0.086098	0.06302	0.056035	0.2268	0.016299
0.107853	0.01974	-0.01796	0.69862	0.103297	0.0256	0.025217	0.58674	0.166282
0.140605	0.00232	-0.00275	0.95275	0.186485	5.02E-05	-0.01553	0.73787	0.028514
0.101123	0.02889	-0.06342	0.17122	0.130342	0.00478	-0.08166	0.07793	-0.014
-0.10796	0.01962	-0.02673	0.56442	-0.18235	7.39E-05	0.028973	0.53226	1.54E-05
0.076413	0.09909	0.017819	0.70093	0.172652	0.00018	-0.01605	0.72937	0.029699
0.120157	0.00935	0.046587	0.31508	0.096127	0.03784	-0.03554	0.44359	-0.02291
0.18683	4.86E-05	0.023834	0.60743	0.124842	0.00691	-0.01281	0.78253	0.050691
0.129327	0.00513	-0.02232	0.63039	0.135185	0.00342	-0.04176	0.36796	0.086684
0.233903	3.18E-07	0.028873	0.53367	0.217992	1.98E-06	0.002326	0.96002	0.068393

-0.10093	0.02919	-0.02443	0.59851	-0.16193	0.00044	0.008534	0.85407	0.127827
0.131224	0.0045	-0.06439	0.16475	0.094141	0.042	-0.14022	0.00239	0.036227
0.207392	6.21E-06	0.044501	0.33727	0.214442	2.92E-06	0.001308	0.97752	0.056931
0.140302	0.00237	0.020863	0.65293	0.103397	0.02545	0.015945	0.73109	0.035656
0.059584	0.19868	-0.07154	0.12261	0.04969	0.2839	-0.14148	0.00218	-0.01664
0.210551	4.45E-06	-0.05825	0.20894	0.138595	0.00269	-0.0929	0.04479	0.129999
0.153522	0.00087	-0.04849	0.29573	0.175621	0.00014	-0.05425	0.24195	0.075662
0.091487	0.04817	0.032184	0.4878	0.131146	0.00453	-0.03446	0.45753	-0.02792
0.086468	0.06189	0.04562	0.32526	0.14128	0.00221	0.012094	0.79435	0.133094
0.135057	0.00345	-0.05433	0.2413	0.066526	0.15118	-0.11554	0.01247	-0.03374
0.192214	2.89E-05	-0.00151	0.97405	0.031322	0.49953	0.001447	0.97513	-0.0458
-0.04099	0.37682	0.070848	0.1263	-0.17035	0.00022	0.072656	0.11689	-0.04429
0.177376	0.00012	-0.0315	0.49714	0.160506	0.0005	-0.10975	0.01766	-0.01089
0.119535	0.00972	-0.02483	0.59247	0.106281	0.02161	-0.06548	0.15772	0.09278
0.255047	2.28E-08	0.16877	0.00025	0.295605	7.17E-11	0.153208	0.00089	0.089048
0.094553	0.04111	-0.03374	0.46704	0.066356	0.15223	-0.02029	0.66188	0.172589
0.080033	0.08405	-0.04182	0.36717	0.074585	0.10746	-0.05685	0.22014	-0.00048
0.101911	0.02765	0.075799	0.10184	0.210775	4.34E-06	0.009866	0.83161	0.078663
0.159319	0.00055	0.037148	0.42319	0.05528	0.23313	-0.0805	0.08224	-0.0521
0.309638	7.79E-12	0.264929	6.10E-09	0.302096	2.61E-11	0.226216	7.83E-07	0.090668
0.127745	0.0057	0.013828	0.76568	0.219374	1.70E-06	-0.05296	0.25333	0.061984
0.110541	0.01686	0.004434	0.92387	0.14392	0.00182	0.019818	0.66925	0.152888
0.121101	0.0088	0.002664	0.95422	0.123153	0.00771	0.009713	0.83418	-0.05082
0.132969	0.00399	-0.03087	0.50579	0.126197	0.00632	0.007454	0.87237	0.089176
0.128764	0.00532	-0.06531	0.1588	0.183543	6.62E-05	-0.12725	0.00589	0.117167
0.061781	0.1826	-0.01236	0.78996	0.05843	0.20753	-0.02133	0.64571	-0.01172
0.095803	0.0385	0.034754	0.45371	0.140789	0.00229	-0.07719	0.09569	0.008025
0.168319	0.00026	0.001345	0.97688	0.265185	5.89E-09	-0.04705	0.3103	0.03282
-0.12365	0.00747	0.126345	0.00626	-0.07102	0.12536	0.040773	0.37933	-0.20991
0.065553	0.15726	-0.08208	0.07641	0.112383	0.01511	-0.1168	0.01154	0.095985
-0.05323	0.25091	0.011774	0.79968	-0.04573	0.32412	0.112842	0.0147	0.069979
0.110048	0.01736	-0.05209	0.26125	0.194786	2.25E-05	-0.11312	0.01445	0.08086
0.190551	3.40E-05	0.010993	0.81272	0.177741	0.00011	-0.01519	0.74345	0.071193
0.139865	0.00245	0.011684	0.80118	0.145554	0.00161	-0.00723	0.8762	0.005567
0.057584	0.2142	0.053964	0.24447	0.147928	0.00135	0.038377	0.408	0.189473
0.105308	0.02285	0.0203	0.6617	0.195437	2.11E-05	-0.04584	0.32288	0.09596
0.169376	0.00024	0.009056	0.84525	0.266619	4.84E-09	-0.04307	0.35307	0.093205
0.099899	0.03089	-0.01455	0.75387	0.236707	2.28E-07	-0.05782	0.21236	0.125508
0.016114	0.72835	-0.0191	0.68062	0.094472	0.04129	-0.04689	0.31197	0.031025
0.139189	0.00257	0.020925	0.65197	0.22577	8.24E-07	-0.02993	0.51878	0.028204
8.68E-05	0.99851	-0.0097	0.83447	0.032257	0.48681	-0.02471	0.59423	0.082505
0.031185	0.50142	-0.00264	0.9547	0.129861	0.00494	-0.04372	0.34585	0.07879
0.140738	0.0023	-0.00453	0.92223	0.234301	3.04E-07	-0.05411	0.24316	0.104868
0.108655	0.01884	0.073824	0.11111	0.176468	0.00013	0.012468	0.78814	-0.04379
0.203679	9.15E-06	0.032695	0.48091	0.239426	1.64E-07	-0.01437	0.75672	0.040269

0.193378	2.58E-05	0.014805	0.74966	0.202004	1.09E-05	-0.02077	0.65431	0.040079
0.08873	0.05535	-0.01454	0.75405	0.15161	0.00101	-0.06467	0.16297	0.044577
0.098629	0.0331	0.009474	0.8382	0.136844	0.00304	0.055165	0.23411	0.142535
0.144197	0.00178	-0.02693	0.56152	0.22964	5.26E-07	-0.06255	0.17722	0.061561
-0.15331	0.00089	0.026963	0.5611	-0.12283	0.00788	0.093351	0.04376	-0.02942
0.176567	0.00013	0.023186	0.61723	0.291472	1.35E-10	-0.01557	0.73721	0.071033
0.141183	0.00223	0.029384	0.52645	0.265847	5.38E-09	-0.04581	0.32321	0.069411
0.121647	0.0085	-0.05397	0.2444	0.062534	0.17732	-0.10591	0.02207	0.10717
0.130895	0.00461	-0.03675	0.4282	0.05728	0.21663	-0.06464	0.16314	0.04712
0.182298	7.43E-05	0.049749	0.28333	0.261905	9.18E-09	-0.0224	0.62926	0.03345
0.211926	3.84E-06	0.024569	0.59639	0.134792	0.00352	0.035388	0.44551	0.028176
0.058114	0.21001	-0.05622	0.22528	0.013613	0.76922	-0.11185	0.0156	0.044672
0.058147	0.20975	-0.09948	0.03161	0.127317	0.00587	-0.13195	0.00429	0.088783
0.223804	1.03E-06	0.018355	0.69239	0.140154	0.0024	0.044348	0.33894	0.0995
0.194408	2.33E-05	-0.01201	0.79582	0.140709	0.00231	-0.00293	0.94968	0.097893
-0.09996	0.03079	0.012148	0.79346	-0.16508	0.00034	-0.03149	0.49726	-0.12833
0.120211	0.00932	0.017811	0.70106	0.126263	0.00629	-0.02353	0.61207	-0.01218
0.052087	0.26129	-0.01402	0.76251	0.09807	0.03411	-0.02484	0.59229	0.077688
0.124163	0.00722	-0.00223	0.96175	0.185918	5.29E-05	-0.07304	0.11498	0.071979
0.158356	0.00059	0.000712	0.98776	0.276739	1.18E-09	-0.03584	0.43971	0.054906
0.101189	0.02878	-0.01195	0.79679	0.226392	7.67E-07	-0.14021	0.00239	0.077136
0.131688	0.00436	-0.05751	0.2148	0.188621	4.09E-05	-0.14169	0.00215	0.02091
0.103283	0.02562	-0.07997	0.08429	0.222928	1.14E-06	-0.14689	0.00146	0.116175
0.149123	0.00123	-0.00244	0.95805	0.272788	2.06E-09	-0.04666	0.31437	0.049601
0.140097	0.00241	-0.00334	0.94267	0.274994	1.51E-09	-0.04056	0.38188	0.053111
0.100998	0.02909	-0.06105	0.18787	0.219847	1.61E-06	-0.11525	0.01269	0.070892
0.116043	0.01209	-0.02837	0.54076	0.192478	2.82E-05	-0.10172	0.02796	0.025251
0.197378	1.74E-05	0.017075	0.71285	0.267857	4.08E-09	-0.00644	0.88969	0.043992
0.064667	0.16296	-0.03806	0.41195	0.185742	5.38E-05	-0.05497	0.23576	0.004733
0.222527	1.19E-06	0.001778	0.96943	0.223076	1.12E-06	-0.0424	0.36056	0.037858
0.095178	0.03979	-0.01754	0.70545	0.20891	5.29E-06	-0.06981	0.13196	0.047412
0.141044	0.00225	0.000936	0.9839	0.279571	7.83E-10	-0.04298	0.35403	0.056316
0.140926	0.00227	-0.0047	0.9194	0.283293	4.55E-10	-0.04485	0.33352	0.073071
0.163009	0.0004	0.099602	0.0314	0.260092	1.17E-08	0.079333	0.0868	0.108805
0.123438	0.00757	-0.02085	0.6531	0.149968	0.00115	-0.07429	0.10888	0.023304
0.151099	0.00106	-0.00679	0.88365	0.201756	1.12E-05	-0.0627	0.17615	0.025858
0.13175	0.00435	-0.00525	0.90985	0.186055	5.23E-05	-0.02417	0.60233	0.089409
0.017178	0.7112	-0.00632	0.89173	0.088935	0.05479	-0.01396	0.76358	0.010914
0.11351	0.01411	-0.01732	0.70889	0.149905	0.00116	-0.04331	0.35042	0.041676
0.458029	1.34E-25	0.088302	0.05654	0.309625	7.81E-12	0.041896	0.36634	0.050571
0.182263	7.45E-05	-0.04629	0.3182	0.146463	0.0015	-0.07855	0.08996	0.040992
0.176604	0.00012	-0.00263	0.95484	0.170603	0.00021	-0.05426	0.24188	0.004988
0.069444	0.13401	-0.05751	0.21477	-0.06424	0.16574	-0.02993	0.51881	-0.02956
0.14451	0.00174	0.00874	0.85058	0.263002	7.92E-09	-0.02922	0.52873	0.125603
0.026636	0.56585	0.026025	0.57481	0.025016	0.58972	-0.0185	0.69007	0.052016

0.080185	0.08346	-0.06209	0.18042	0.065288	0.15895	-0.0606	0.19115	0.031238
-0.07817	0.09153	-0.06826	0.1408	-0.24808	5.58E-08	0.046778	0.31311	-0.03997
0.133782	0.00378	0.015209	0.74305	0.291536	1.33E-10	-0.02634	0.57018	0.049961
-0.11186	0.01559	0.021471	0.6435	-0.06476	0.16237	0.105832	0.02218	0.151375
-0.06692	0.14878	0.098124	0.03401	-0.08829	0.05658	0.044819	0.33383	-0.10093
0.207508	6.14E-06	0.024896	0.5915	0.241807	1.22E-07	0.003497	0.93992	0.07788
0.103603	0.02516	-0.0745	0.10787	0.05588	0.2281	-0.0476	0.30466	0.100458
0.087517	0.05878	-0.03409	0.46243	0.093381	0.0437	-0.04191	0.36617	0.041721
0.089818	0.05242	0.103581	0.02519	0.257455	1.66E-08	0.19824	1.59E-05	0.126978
0.095049	0.04006	-0.0246	0.59595	0.194745	2.26E-05	-0.05875	0.20509	0.014011
0.059763	0.19734	-0.04346	0.34865	0.129437	0.00509	-0.07608	0.10057	-0.05956
0.209709	4.86E-06	0.00645	0.88943	0.157137	0.00065	-0.01968	0.67139	-0.00037
0.176397	0.00013	-0.00048	0.99183	0.157008	0.00066	-0.0277	0.55038	0.086211
0.055836	0.22846	0.023984	0.60517	0.154276	0.00082	0.003656	0.93719	0.039643
0.138323	0.00274	0.013147	0.77691	0.131	0.00457	0.004855	0.91667	-0.01085
0.004067	0.93015	0.118963	0.01008	-0.02505	0.58922	0.130613	0.0047	-0.08342
0.051936	0.26268	0.014142	0.76052	0.122713	0.00794	-0.05544	0.23181	-0.01782
0.082567	0.07466	-0.0983	0.0337	0.179028	0.0001	-0.13965	0.00249	0.146912
0.120961	0.00888	-0.10066	0.02963	0.152965	0.00091	-0.12245	0.00807	0.056791
0.232445	3.79E-07	0.082194	0.07598	0.325232	5.75E-13	0.106901	0.02086	0.095292
0.202637	1.02E-05	0.01892	0.68342	0.245667	7.56E-08	-0.01091	0.81402	0.070357
0.144913	0.00169	0.09151	0.04811	0.206603	6.75E-06	0.049911	0.28176	0.197361
0.151971	0.00099	0.097078	0.03597	0.201058	1.20E-05	0.046296	0.31812	0.047957
0.297508	5.34E-11	0.006737	0.88456	0.124328	0.00715	-0.01239	0.7894	0.066143
0.119575	0.0097	0.004917	0.9156	0.150503	0.00111	-0.04087	0.37821	0.034049
0.093514	0.0434	-0.00691	0.88155	0.140447	0.00235	-0.05113	0.27013	-0.06769
0.152889	0.00092	-0.02615	0.57304	0.181204	8.22E-05	-0.04632	0.31788	0.011122
0.151658	0.00101	-0.02631	0.57064	0.093622	0.04315	-0.09436	0.04153	0.075174
-0.13301	0.00398	-0.06455	0.16371	-0.20551	7.57E-06	-0.0283	0.54186	0.023464
0.044142	0.34119	-0.06174	0.18286	0.062417	0.17813	-0.09335	0.04377	-0.02026
0.48788	2.68E-29	0.168464	0.00026	0.339103	4.97E-14	0.157703	0.00063	0.110119
0.172086	0.00019	-0.00842	0.85604	0.223301	1.09E-06	-0.04566	0.32478	0.027548
0.086722	0.06113	0.055051	0.23508	0.091596	0.0479	-0.02381	0.60783	-0.01689
0.084993	0.06649	-0.07073	0.12695	0.106793	0.02099	-0.18427	6.18E-05	0.021218
0.113742	0.01392	-0.04253	0.35912	0.195426	2.11E-05	-0.13699	0.00301	0.048123
0.15468	0.0008	-0.00357	0.9387	0.25689	1.79E-08	-0.06389	0.16808	0.095881
0.079283	0.087	-0.01457	0.75357	0.039396	0.39566	0.020275	0.66209	0.198319
0.068434	0.13977	-0.00965	0.83519	0.169347	0.00024	-0.06204	0.18078	0.04284
0.08985	0.05233	0.087361	0.05924	0.186076	5.22E-05	0.042052	0.36455	-0.04931
0.211578	3.98E-06	0.036654	0.42939	0.251557	3.58E-08	0.004146	0.9288	0.05854
0.063371	0.17157	0.008373	0.85679	0.132699	0.00407	-0.02386	0.60697	0.001618
0.076589	0.09831	-0.05735	0.2161	0.179774	9.37E-05	-0.10366	0.02508	0.176789
0.145578	0.00161	-0.01348	0.7714	0.244514	8.73E-08	-0.05368	0.24692	0.049571
0.085146	0.066	0.07482	0.10635	0.113429	0.01418	-0.04709	0.30985	-0.14373
0.129386	0.0051	0.004924	0.91548	0.205795	7.35E-06	-0.04457	0.33654	0.054977



0.116807	0.01153	0.016544	0.7214	0.178308	0.00011	-0.01447	0.75505	0.048434
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0.152497	0.00095	0.061916	0.18164	0.266144	5.17E-09	0.020833	0.65339	0.048031
0.054864	0.23668	-0.03461	0.45558	0.058129	0.20989	-0.0486	0.29463	0.022251
0.159111	0.00056	-0.03853	0.40611	0.151911	0.00099	-0.0623	0.17893	0.017534
0.043761	0.34537	-0.03133	0.49943	0.107245	0.02045	-0.05692	0.21954	0.047265
0.175773	0.00013	0.027774	0.54936	0.157184	0.00065	-0.02309	0.61868	0.008942
0.277254	1.09E-09	0.085125	0.06607	0.271343	2.52E-09	0.044426	0.33808	0.086378
0.099394	0.03175	-0.02266	0.62524	0.079119	0.08766	-0.05407	0.24355	-0.01628
0.07566	0.10247	-0.07565	0.1025	0.08767	0.05834	-0.0929	0.0448	0.073845
0.17895	0.0001	0.027229	0.55723	0.217263	2.15E-06	-0.02752	0.55297	0.05096
0.055459	0.23162	0.139701	0.00248	-0.00269	0.95378	0.159671	0.00053	0.054002
0.121706	0.00847	-0.05787	0.21191	0.005164	0.91138	-0.12131	0.00869	-0.01132
0.068182	0.14124	-0.14415	0.00179	0.155066	0.00077	-0.18079	8.54E-05	0.056343
0.220236	1.54E-06	0.048422	0.29639	0.187078	4.74E-05	-0.00328	0.94358	0.015828
0.165313	0.00033	-0.01873	0.68645	0.055355	0.2325	-0.02786	0.54811	0.020344
0.127426	0.00582	-0.00694	0.88113	0.197768	1.67E-05	-0.0497	0.28378	0.047725
0.153751	0.00086	0.007739	0.86753	0.184349	6.14E-05	-0.0195	0.67426	0.02404
0.097779	0.03465	-0.15496	0.00078	0.104931	0.02334	-0.11883	0.01017	0.262798
0.077086	0.09614	-0.06518	0.15965	0.083019	0.07308	-0.07567	0.10244	0.135344
-0.18507	5.73E-05	-0.02053	0.65813	-0.21152	4.01E-06	-0.03467	0.45484	0.037925
0.027929	0.54714	0.055149	0.23425	0.135686	0.0033	0.041364	0.37246	0.08742
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0.12568	0.00654	0.023135	0.618	0.238598	1.81E-07	-0.03746	0.41934	-0.01393
0.207708	6.01E-06	0.027823	0.54867	0.166134	0.00031	-0.03327	0.47324	0.01
0.116535	0.01173	-0.04055	0.38193	0.068162	0.14136	-0.09486	0.04046	-0.01263
0.207079	6.42E-06	0.167987	0.00027	0.387503	3.51E-18	0.079884	0.08463	0.078954
0.021483	0.64333	-0.05405	0.24374	0.013619	0.76912	-0.11271	0.01481	-0.04574
0.054219	0.24225	-0.01675	0.718	0.040305	0.38484	-0.06003	0.19534	0.010738
0.090668	0.05021	-0.07507	0.1052	0.121543	0.00856	-0.0926	0.04549	0.204187
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0.117738	0.01088	-0.06275	0.17585	0.173157	0.00017	-0.13874	0.00266	0.068611
0.105474	0.02263	-0.05224	0.25993	0.15637	0.0007	-0.10788	0.01971	0.079861
0.168609	0.00025	-0.03595	0.43832	0.21761	2.06E-06	-0.08809	0.05715	0.0409
0.122206	0.0082	-0.06098	0.18836	0.051298	0.26859	-0.09448	0.04128	0.119892
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0.091913	0.04713	-0.10052	0.02986	0.057514	0.21476	-0.06686	0.14912	0.062222
0.13753	0.0029	-0.02311	0.61846	0.08866	0.05554	-0.07999	0.0842	0.052572
0.098593	0.03316	-0.03669	0.42898	0.268844	3.56E-09	-0.11298	0.01457	0.167183
0.149367	0.00121	-0.09285	0.04492	0.182302	7.42E-05	-0.16144	0.00046	0.047626
0.063531	0.17049	-0.09283	0.04496	0.097557	0.03507	-0.1348	0.00352	0.171053
0.103304	0.02559	-0.11562	0.01241	0.134289	0.00364	-0.22694	7.20E-07	0.029103

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0.030359	0.51282	0.123852	0.00737	-0.1098	0.01761	0.07357	0.11234	-0.23061
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0.077969	0.09238	-0.09708	0.03597	0.204478	8.42E-06	-0.12519	0.00675	0.329519
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0.02306	0.61914	-0.05378	0.24604	0.137627	0.00288	-0.06634	0.15232	0.315356
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0.010753	0.81673	-0.04541	0.32753	0.009296	0.84121	-0.0852	0.06583	0.137721
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0.05687	0.21994	-0.05722	0.21708	0.122136	0.00824	-0.02009	0.66497	0.340416
0.072037	0.12004	0.0138	0.76614	0.168254	0.00026	-0.02777	0.54942	0.256164
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0.021317	0.64589	-0.12272	0.00793	0.146061	0.00155	-0.2053	7.73E-06	0.226969
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0.048037	0.30025	-0.054	0.24414	0.073937	0.11055	-0.0471	0.30977	0.152369
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0.065704	0.1563	-0.1131	0.01447	0.1101	0.01731	-0.09302	0.04452	0.17179
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-0.0064	0.89036	-0.14079	0.00229	0.150913	0.00107	-0.154	0.00084	0.334483
-0.02399	0.60504	0.185608	5.45E-05	-0.02187	0.63735	0.154064	0.00084	-0.15733
-0.01524	0.74248	-0.19307	2.66E-05	-0.05335	0.24987	-0.23019	4.94E-07	0.198916
0.014558	0.75369	-0.17256	0.00018	0.108351	0.01918	-0.25123	3.73E-08	0.165579
0.051656	0.26525	-0.11637	0.01185	0.133595	0.00382	-0.19368	2.51E-05	0.207676
0.06481	0.16203	-0.16812	0.00026	0.08947	0.05334	-0.19888	1.49E-05	0.240376
0.074116	0.1097	-0.06964	0.13291	0.245964	7.28E-08	-0.04622	0.3189	0.430103
-0.04058	0.38161	-0.03299	0.47702	-0.0024	0.95869	-0.05495	0.23592	0.22448
0.034383	0.45854	-0.1878	4.43E-05	0.160519	0.0005	-0.21325	3.32E-06	0.243891
-0.02424	0.60125	0.209695	4.87E-06	-0.00025	0.99572	0.204969	8.01E-06	-0.05905
-0.01943	0.67535	0.1205	0.00915	-0.09435	0.04155	0.123222	0.00768	-0.19412
-0.00441	0.92434	-0.20072	1.24E-05	0.088463	0.05609	-0.24722	6.22E-08	0.203401
0.044222	0.34031	0.078758	0.08912	0.124386	0.00712	0.049311	0.2876	0.274943
0.035264	0.4471	-0.17078	0.00021	0.125476	0.00663	-0.18464	5.97E-05	0.276549
0.070538	0.12797	-0.05792	0.21157	0.271899	2.33E-09	-0.10348	0.02534	0.294704
0.058837	0.20438	-0.13188	0.00431	0.196673	1.86E-05	-0.16891	0.00025	0.27933
-0.04149	0.37102	-0.21927	1.72E-06	0.047875	0.30188	-0.23362	3.29E-07	0.27293
-0.08246	0.07504	0.128098	0.00557	-0.03095	0.50471	0.157072	0.00066	-0.13217
-0.08005	0.08398	0.13585	0.00327	-0.02201	0.6352	0.167567	0.00028	-0.22403

0.217386	2.12E-06	-0.07694	0.09676	0.132564	0.00411	-0.0422	0.36282	0.155344
-0.02014	0.66426	0.2317	4.13E-07	-0.07013	0.13017	0.171152	0.0002	-0.14947
-0.02925	0.52829	-0.1613	0.00047	0.033537	0.46968	-0.09762	0.03494	0.233423
0.075194	0.10461	-0.13489	0.00349	0.142513	0.00202	-0.26992	3.07E-09	0.147136
0.086177	0.06278	-0.10132	0.02857	0.090511	0.05062	-0.193	2.68E-05	0.144628
-0.09262	0.04544	-0.23924	1.67E-07	-0.15102	0.00106	-0.21634	2.38E-06	0.119865
0.020646	0.65631	-0.06623	0.15303	0.082205	0.07595	-0.04294	0.35453	0.271482
0.051322	0.26837	-0.08683	0.06082	0.130509	0.00473	-0.07509	0.10507	0.199386
-0.01352	0.77069	0.272446	2.16E-09	0.053111	0.25201	0.237603	2.04E-07	-0.15988
0.090988	0.04941	0.170768	0.00021	0.31796	1.98E-12	0.198178	1.60E-05	0.42921
0.072034	0.12006	-0.10529	0.02287	0.064902	0.16144	-0.07978	0.08505	0.218699
-0.00739	0.87339	-0.21896	1.78E-06	-0.06962	0.13301	-0.2403	1.47E-07	0.192109
-0.00244	0.95809	-0.18557	5.47E-05	0.070366	0.12891	-0.28048	6.86E-10	0.179097
0.017492	0.70616	-0.18565	5.43E-05	-0.0034	0.94155	-0.08498	0.06654	0.284272
-0.03267	0.48125	-0.19104	3.24E-05	-0.0375	0.41886	-0.20524	7.78E-06	0.211794
0.039338	0.39635	-0.04307	0.35306	0.217867	2.01E-06	-0.10217	0.02727	0.322953
0.021602	0.64148	-0.14497	0.00168	0.151361	0.00103	-0.11785	0.01081	0.336851
0.108529	0.01898	0.051868	0.2633	0.298394	4.65E-11	0.117552	0.01101	0.409004
0.030898	0.50536	-0.11318	0.0144	0.186753	4.89E-05	-0.17709	0.00012	0.292182
-0.07215	0.11945	-0.16628	0.00031	-0.00453	0.92228	-0.17576	0.00013	0.227253
0.131074	0.00455	-0.14736	0.00141	0.125408	0.00666	-0.09205	0.0468	0.176918
-0.00073	0.98742	-0.14623	0.00153	0.103488	0.02532	-0.21565	2.56E-06	0.190708
-0.10395	0.02468	-0.23272	3.66E-07	-0.13815	0.00277	-0.24851	5.28E-08	0.067285
-0.03311	0.47533	-0.18452	6.04E-05	0.0166	0.72049	-0.2585	1.45E-08	0.175301
-0.03131	0.49972	-0.23614	2.44E-07	-0.10179	0.02784	-0.23337	3.39E-07	0.070702
0.028284	0.54206	-0.13173	0.00435	0.111548	0.01588	-0.14516	0.00166	0.271056
0.05388	0.2452	-0.11333	0.01427	0.189139	3.90E-05	-0.17341	0.00017	0.253808
0.08402	0.06967	0.015722	0.7347	0.119449	0.00978	-0.0125	0.78754	0.243065
-0.04673	0.31364	-0.20098	1.21E-05	-0.13113	0.00453	-0.19377	2.48E-05	0.176085
-0.11524	0.0127	-0.25319	2.90E-08	-0.124	0.0073	-0.27703	1.13E-09	0.126167
-0.03216	0.48819	-0.08647	0.06189	0.117696	0.01091	-0.12384	0.00737	0.226079
0.043732	0.34569	-0.16286	0.00041	0.118573	0.01033	-0.23481	2.86E-07	0.243459
-0.05244	0.25807	-0.13502	0.00346	0.100158	0.03046	-0.20391	8.93E-06	0.203156
-0.03016	0.51556	-0.21554	2.59E-06	0.081195	0.07963	-0.20811	5.76E-06	0.264829
0.109957	0.01745	0.014818	0.74944	0.311228	6.02E-12	0.054874	0.23659	0.419945
-0.00707	0.87885	-0.13993	0.00244	0.005601	0.90391	-0.09926	0.03198	0.256524
0.082577	0.07462	-0.06096	0.18851	0.196247	1.94E-05	-0.1153	0.01266	0.255619
0.067149	0.14738	-0.03262	0.48189	0.2263	7.75E-07	0.063433	0.17115	0.324828
0.011444	0.80518	-0.11959	0.00969	0.007795	0.86658	-0.18188	7.72E-05	0.113875
0.064026	0.16718	-0.02184	0.63788	0.15431	0.00082	-0.00355	0.9391	0.291238
-0.03217	0.48805	-0.16253	0.00042	-0.00145	0.97508	-0.09975	0.03114	0.367833
0.100719	0.02954	0.042997	0.35387	0.261431	9.78E-09	0.049409	0.28664	0.284415
-0.15661	0.00068	0.030115	0.51622	-0.23217	3.91E-07	0.000883	0.98482	-0.27243
0.011892	0.79771	-0.22137	1.36E-06	-0.10417	0.02438	-0.20259	1.02E-05	0.134395
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0.075282	0.1042	-0.09652	0.03706	0.248079	5.58E-08	-0.10646	0.02139	0.3495
0.064539	0.1638	-0.06458	0.16354	0.10398	0.02463	-0.07712	0.09599	0.219638
-0.00696	0.88083	0.15692	0.00067	-0.03536	0.44593	0.088919	0.05483	-0.28264
0.115725	0.01233	-0.03475	0.4537	0.205902	7.26E-06	0.089312	0.05376	0.33887
0.038931	0.40126	-0.14915	0.00123	0.0056	0.90394	-0.16517	0.00034	0.113825
-0.01061	0.81916	-0.17702	0.00012	0.086378	0.06216	-0.10204	0.02745	0.367353
-0.08429	0.06878	-0.24153	1.26E-07	-0.03077	0.50711	-0.2766	1.20E-09	0.080545
-0.08938	0.05359	-0.23663	2.30E-07	-0.07986	0.08472	-0.2057	7.42E-06	0.151669
-0.02504	0.58943	-0.13493	0.00348	-0.03175	0.49374	-0.21295	3.44E-06	0.069595
0.047741	0.30324	0.068192	0.14118	0.257075	1.75E-08	0.076375	0.09926	0.422467
0.008123	0.86102	-0.23466	2.91E-07	0.079465	0.08628	-0.26131	9.95E-09	0.18952
-0.01554	0.73774	-0.20787	5.91E-06	-0.00093	0.98399	-0.17006	0.00022	0.196307
0.012613	0.78574	-0.16661	0.0003	0.107721	0.01989	-0.21417	3.01E-06	0.295007
0.040812	0.37888	-0.10073	0.02951	0.194225	2.38E-05	-0.16941	0.00024	0.24588
0.103873	0.02478	-0.03622	0.43486	0.071987	0.1203	-0.02811	0.54454	0.320852
0.039132	0.39883	-0.1464	0.00151	0.177042	0.00012	-0.18688	4.83E-05	0.297602
0.090287	0.05119	0.112288	0.01519	-0.10109	0.02894	0.032956	0.47741	-0.26329
0.019201	0.67898	-0.16869	0.00025	0.155577	0.00074	-0.21989	1.60E-06	0.214242
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0.012259	0.79161	-0.02039	0.66037	0.109985	0.01742	0.057216	0.21715	0.440614
0.026163	0.57277	-0.0958	0.03849	0.063549	0.17037	-0.1545	0.00081	0.181053
0.04268	0.35743	-0.0223	0.63073	0.124375	0.00712	-0.05987	0.19657	0.240361
0.063197	0.17276	-0.13527	0.0034	-0.01974	0.67056	-0.17277	0.00018	0.120569
0.025885	0.57686	-0.06154	0.18429	0.106587	0.02124	-0.08361	0.07105	0.186663
0.027243	0.55704	-0.11797	0.01073	0.123912	0.00734	-0.12544	0.00664	0.357846
0.095371	0.03938	-0.03511	0.44915	0.161627	0.00045	-0.06304	0.17381	0.277561
0.00136	0.97662	-0.21046	4.49E-06	0.073698	0.11172	-0.28355	4.38E-10	0.280978
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0.016198	0.727	-0.15303	0.00091	0.025109	0.58834	-0.11864	0.01029	0.180576
0.102313	0.02704	0.03293	0.47776	0.195926	2.01E-05	0.011036	0.81198	0.353169
0.024457	0.59806	0.038971	0.40078	0.129666	0.00501	-0.02687	0.56246	0.198992
0.059282	0.20097	-0.16173	0.00045	0.168146	0.00026	-0.12197	0.00832	0.337816
0.019718	0.67084	-0.13864	0.00268	0.077278	0.09531	-0.0964	0.03729	0.372207
0.056514	0.22285	-0.04747	0.30603	0.213348	3.29E-06	0.055848	0.22836	0.325151
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0.04368	0.34627	-0.16979	0.00023	0.053032	0.25272	-0.23472	2.89E-07	0.213731
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0.005201	0.91075	-0.1957	2.05E-05	0.068687	0.13831	-0.25784	1.58E-08	0.169507
0.050072	0.28021	-0.16158	0.00046	0.013562	0.77005	-0.10004	0.03065	0.171238
-0.0566	0.22218	-0.181	8.38E-05	0.051568	0.26608	-0.24215	1.17E-07	0.247932
-0.02666	0.56548	0.024791	0.59307	0.124118	0.00724	0.055703	0.22957	0.311838
-0.06714	0.14742	-0.04347	0.34864	-0.24189	1.21E-07	-0.1134	0.01421	-0.26706
0.017247	0.71008	-0.15233	0.00096	0.152861	0.00092	-0.16347	0.00039	0.288221
0.04466	0.33554	-0.09808	0.03409	0.106047	0.0219	-0.11259	0.01492	0.322891
-0.04726	0.3081	-0.06594	0.15484	0.020308	0.66159	-0.06553	0.15742	0.210639

0.004792	0.91774	-0.1458	0.00158	0.082741	0.07405	-0.16103	0.00048	0.234157
0.037808	0.41499	-0.15477	0.00079	0.145297	0.00164	-0.13438	0.00362	0.349367
0.004064	0.9302	-0.14553	0.00161	-0.03913	0.39885	-0.19425	2.37E-05	0.174309
-0.03626	0.43437	-0.2055	7.58E-06	-0.02283	0.62264	-0.21008	4.67E-06	0.104965
-0.11478	0.01307	-0.1356	0.00332	-0.25754	1.64E-08	-0.13761	0.00288	-0.25757
-0.01662	0.72023	-0.22828	6.17E-07	-0.01468	0.75174	-0.15424	0.00083	0.181576
0.079813	0.08491	-0.04762	0.30448	0.180199	9.01E-05	-0.06377	0.16889	0.233256
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0.003871	0.93352	-0.19148	3.11E-05	-0.03343	0.47105	-0.23061	4.70E-07	0.073338
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-0.0002	0.99662	-0.18905	3.93E-05	-0.00121	0.97915	-0.15851	0.00059	0.303862
0.085159	0.06596	-0.12522	0.00674	0.093269	0.04395	-0.1804	8.85E-05	0.192858
0.098421	0.03347	0.004006	0.9312	0.101723	0.02794	-0.02801	0.54592	0.210623
0.063178	0.17288	-0.07527	0.10426	0.232432	3.79E-07	-0.09654	0.03701	0.315158
0.018559	0.68914	-0.21301	3.41E-06	0.108305	0.01923	-0.27976	7.61E-10	0.225354
0.050885	0.27247	-0.13655	0.00311	0.078041	0.09208	-0.03885	0.4022	0.248439
-0.02332	0.61527	-0.19746	1.72E-05	-0.0748	0.10646	-0.17	0.00022	0.279006
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0.065114	0.16007	-0.11649	0.01176	-0.00417	0.92841	-0.13175	0.00434	0.196699
0.008775	0.84999	-0.18106	8.33E-05	0.07116	0.12464	-0.21003	4.70E-06	0.290895
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0.028764	0.53521	-0.12462	0.00701	0.030863	0.50584	-0.22214	1.25E-06	0.189116
0.045449	0.32706	-0.18255	7.26E-05	0.027677	0.55076	-0.14574	0.00159	0.254729
0.018611	0.68831	-0.16853	0.00025	0.162505	0.00042	-0.15129	0.00104	0.346107
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-0.05318	0.25139	-0.14455	0.00174	-0.13574	0.00329	-0.18238	7.37E-05	0.090905
-0.10393	0.02471	-0.16342	0.00039	0.038517	0.40629	-0.13918	0.00258	0.341089
0.094177	0.04193	-0.10052	0.02986	0.087571	0.05863	-0.09879	0.03281	0.252722
0.072144	0.11949	-0.03136	0.499	0.09953	0.03152	-0.08913	0.05426	0.225584
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0.100836	0.02935	-0.09517	0.03979	0.022423	0.62886	-0.09129	0.04866	0.089246
-0.01079	0.81614	-0.22173	1.30E-06	0.050706	0.27416	-0.26882	3.58E-09	0.216363
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0.014106	0.7611	-0.15655	0.00069	-0.04849	0.29575	-0.16362	0.00038	0.203011
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0.035499	0.44408	-0.14445	0.00175	0.048634	0.29428	-0.19568	2.06E-05	0.233669
0.021306	0.64605	-0.09536	0.03941	0.077343	0.09503	-0.12611	0.00636	0.143915
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0.019225	0.67859	0.005683	0.90252	-0.01486	0.7487	-0.0625	0.17754	-0.1939
0.068191	0.14119	-0.07269	0.11669	0.040703	0.38016	0.002335	0.95986	0.12478
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-0.07474	0.10671	0.027668	0.55089	0.02904	0.53131	-0.04625	0.31859	-0.13474
-0.09554	0.03904	-0.02649	0.56792	-0.00912	0.84422	-0.05453	0.23954	-0.18789
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-0.06591	0.15503	0.039056	0.39975	-0.11804	0.01068	0.00508	0.91282	-0.12233
-0.15199	0.00098	-0.03874	0.40352	-0.19526	2.15E-05	-0.0558	0.22878	-0.1846
-0.0786	0.08978	-0.06917	0.13555	-0.13622	0.00318	-0.12057	0.00911	-0.16048
-0.06356	0.17031	-0.03284	0.47902	-0.14361	0.00186	-0.08429	0.06876	-0.26543
-0.1582	0.0006	0.011454	0.80502	-0.15528	0.00076	-0.04159	0.36987	-0.21001
-0.04365	0.34664	0.002727	0.95312	-0.00566	0.90285	0.030599	0.5095	-0.07401
-0.15214	0.00097	-0.0944	0.04144	-0.04971	0.28373	-0.06406	0.16697	0.022644
0.042177	0.36313	0.089679	0.05278	0.089933	0.05211	0.184789	5.89E-05	0.224105
-0.04146	0.37137	0.080558	0.08203	-0.02777	0.54939	-0.01211	0.7941	-0.23816
0.029212	0.52888	0.042675	0.35749	0.081122	0.0799	0.063842	0.16841	-0.04313
0.026467	0.56832	0.107717	0.0199	0.083039	0.07301	0.111818	0.01563	-0.16472
-0.08511	0.06612	-0.01021	0.82586	-0.06382	0.16857	-0.08647	0.06188	-0.2216
-0.08142	0.0788	-0.21324	3.33E-06	-0.1561	0.00071	-0.21086	4.30E-06	-0.19677
-0.07005	0.13066	-0.00124	0.97873	-0.03133	0.49937	-0.06766	0.14433	-0.16246
-0.02167	0.64047	-0.06038	0.19273	-0.02562	0.58084	-0.06156	0.18418	-0.14131
0.017636	0.70385	0.106481	0.02137	0.09623	0.03764	0.047008	0.31074	-0.04541
-0.04227	0.36209	-0.00712	0.87804	-0.12328	0.00765	-0.06517	0.1597	-0.16284
0.015412	0.73975	0.014931	0.7476	-0.05985	0.19669	-0.07685	0.09718	-0.20026
-0.00972	0.834	0.082375	0.07534	0.040907	0.37777	0.119398	0.00981	-0.04744
0.026343	0.57014	-0.1317	0.00436	-0.03644	0.43211	-0.00038	0.99355	0.252488
0.187655	4.49E-05	0.194367	2.34E-05	0.345914	1.43E-14	0.303965	1.94E-11	0.41565
-0.03978	0.39102	0.039669	0.39239	-0.07506	0.10523	-0.09104	0.04927	-0.3046
-0.10979	0.01763	-0.12607	0.00637	-0.24114	1.33E-07	-0.15738	0.00064	-0.19222
-0.03596	0.43818	0.077919	0.09259	0.033423	0.4712	0.018634	0.68795	-0.2664
-0.22123	1.38E-06	-0.11067	0.01673	-0.23364	3.28E-07	-0.11903	0.01004	-0.1783
-0.15959	0.00054	-0.04104	0.37624	-0.15095	0.00107	-0.02015	0.66399	-0.05192
-0.03643	0.43216	-0.09324	0.04402	-0.05408	0.24347	-0.02808	0.54498	-0.13511
-0.01595	0.73096	-0.00229	0.96068	-0.02723	0.55729	-0.032	0.49032	0.072163
-0.11887	0.01014	-0.15626	0.0007	-0.09306	0.04443	-0.13637	0.00315	0.052947
-0.08972	0.05268	-0.09345	0.04353	-0.19106	3.24E-05	-0.10874	0.01874	-0.16337
-0.10921	0.01823	-0.03213	0.48847	-0.05678	0.22072	-0.07963	0.08564	-0.05074
-0.0253	0.58553	-0.05765	0.21369	-0.0946	0.04101	-0.09121	0.04885	-0.10674
0.026575	0.56674	0.128131	0.00555	0.116124	0.01203	0.014512	0.75444	-0.17902
-0.10853	0.01898	-0.15996	0.00052	-0.15274	0.00093	-0.18705	4.76E-05	-0.19413
-0.02808	0.54493	-0.05488	0.23655	0.033015	0.47662	0.112236	0.01524	0.391875
-0.06233	0.17874	-0.15862	0.00058	-0.22667	7.43E-07	-0.12734	0.00586	-0.14437
-0.06956	0.13336	-0.09643	0.03724	-0.11998	0.00945	-0.12439	0.00712	-0.11274
-0.05973	0.19755	-0.03599	0.43777	-0.05605	0.2267	-0.08219	0.07601	-0.12387
-0.11012	0.01729	-0.09052	0.0506	-0.04557	0.32575	-0.16116	0.00047	-0.15024
-0.14365	0.00186	-0.04656	0.31541	-0.16556	0.00033	-0.03775	0.41571	-0.15849
-0.09812	0.03401	-0.06768	0.14421	-0.0684	0.13995	-0.08621	0.06269	-0.20184
0.088765	0.05525	0.253048	2.95E-08	0.206485	6.83E-06	0.078115	0.09177	-0.1161

-0.11928	0.00988	-0.05494	0.236	-0.12756	0.00577	-0.04378	0.34512	-0.21719
0.059192	0.20166	0.173279	0.00017	0.130126	0.00486	0.269474	3.27E-09	0.344313
-0.08539	0.06521	-0.01394	0.76381	-0.00762	0.86948	-0.0247	0.59445	-0.08777
-0.01675	0.71805	-0.02172	0.63965	-0.14345	0.00188	-0.10779	0.01981	-0.33537
-0.07743	0.09467	-0.06628	0.15272	-0.09142	0.04833	-0.11715	0.01129	-0.23435
-0.03179	0.49321	-0.01032	0.82403	-0.05577	0.229	-0.03526	0.4471	-0.00545
-0.07035	0.12897	-0.08098	0.08045	-0.02603	0.57469	-0.10585	0.02215	-0.12729
-0.04356	0.34764	-0.0516	0.2658	-0.01352	0.77078	-0.05427	0.2418	-0.0363
0.014726	0.75095	0.095517	0.03908	0.096161	0.03777	0.088638	0.05561	-0.10545
-0.08569	0.0643	-0.03286	0.47874	-0.05911	0.20227	0.05411	0.24319	-0.0237
-0.04871	0.29348	-0.07682	0.09729	-0.01953	0.67384	-0.03628	0.43415	0.212983
-0.08935	0.05365	-0.0476	0.30469	-0.09883	0.03274	-0.10473	0.02361	-0.1628
-0.03515	0.44856	0.014797	0.74979	0.005682	0.90254	-0.04258	0.35854	-0.22196
-0.07081	0.12649	-0.12984	0.00495	-0.06201	0.181	-0.20482	8.13E-06	-0.17364
-0.00989	0.83116	-0.00467	0.9199	-0.16223	0.00043	-0.10115	0.02884	-0.26303
-0.15193	0.00099	-0.10298	0.02605	-0.10867	0.01882	-0.15303	0.00091	-0.19266
-0.00854	0.85402	0.104267	0.02424	0.039316	0.39662	0.083888	0.07011	-0.11755
-0.13804	0.0028	-0.02226	0.63138	-0.17661	0.00012	-0.01422	0.75929	-0.087
0.147017	0.00144	-0.17312	0.00017	-0.06465	0.1631	-0.0894	0.05353	0.251028
0.047135	0.30942	-0.16313	0.0004	-0.07644	0.09896	-0.1748	0.00015	0.136591
0.036437	0.43212	0.005898	0.89885	0.056839	0.2202	0.069245	0.13513	0.189437
0.421036	1.72E-21	0.100194	0.0304	0.001031	0.98226	0.008523	0.85426	-0.18435
0.040787	0.37918	-0.01755	0.7053	0.041777	0.36771	0.001277	0.97805	0.296457
-0.00964	0.83536	0.041299	0.37322	-0.0617	0.18319	-0.05025	0.27849	-0.3064
-0.08419	0.06911	-0.05661	0.22205	-0.11031	0.01709	-0.16548	0.00033	-0.30487
0.025291	0.58564	-0.02627	0.57126	0.092637	0.04541	-0.03082	0.50642	0.19184
0.004039	0.93064	-0.11213	0.01534	-0.07799	0.09231	-0.02601	0.57503	0.229977
-0.11862	0.0103	-0.05781	0.21244	-0.19915	1.45E-05	-0.17	0.00022	-0.39623
-0.06972	0.13244	-0.0024	0.95873	-0.09499	0.04019	-0.07626	0.09976	-0.28265
0.042971	0.35416	-0.04728	0.30792	0.014582	0.7533	0.035069	0.44962	0.291838
-0.02466	0.59496	0.032568	0.48261	-0.11415	0.01358	-0.06143	0.18512	-0.22542
-0.04445	0.33785	0.013486	0.77131	-0.17435	0.00015	-0.10713	0.02058	-0.31056
0.072866	0.11583	-0.06138	0.18547	-0.00451	0.92258	0.002276	0.96088	0.145851
0.016143	0.72788	-0.01122	0.80898	0.003402	0.94155	0.113656	0.01399	0.234023
-0.14984	0.00116	-0.1201	0.00938	-0.08586	0.06376	-0.15943	0.00054	-0.06772
-0.12754	0.00578	-0.12741	0.00583	-0.08505	0.06631	-0.13173	0.00435	-0.01485
-0.10181	0.02781	-0.11488	0.01298	-0.17778	0.00011	-0.22367	1.05E-06	-0.24995
-0.08283	0.07373	0.043656	0.34653	-0.05851	0.2069	0.027284	0.55644	-0.21681
-0.03074	0.50751	-0.06417	0.16624	-0.07752	0.09427	-0.14429	0.00177	-0.18895
-0.05013	0.27964	0.061075	0.18766	0.025455	0.58322	0.125553	0.00659	-0.01329
-0.04206	0.36448	0.098966	0.0325	0.029508	0.52471	0.116637	0.01166	-0.09722
0.101035	0.02903	0.130239	0.00482	0.145002	0.00168	0.045935	0.32191	-0.0696
-0.06714	0.14745	0.10113	0.02887	0.045518	0.32634	0.064872	0.16163	-0.04192
-0.07736	0.09496	-0.04041	0.38354	0.016599	0.72052	-0.14526	0.00165	-0.22371
-0.0355	0.44402	0.130774	0.00465	0.078648	0.08957	0.120457	0.00917	0.003387



-0.10319	0.02575	-0.0494	0.28669	-0.04963	0.28444	-0.08923	0.05399	-0.07905
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-0.12085	0.00895	-0.10795	0.01962	-0.13596	0.00324	-0.17612	0.00013	-0.13423
-0.10927	0.01817	-0.04872	0.29341	-0.1239	0.00735	-0.03359	0.46895	-0.07299
0.046678	0.31414	-0.08971	0.05271	-0.06264	0.17658	-0.00438	0.92481	0.300631
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0.038812	0.4027	0.072793	0.1162	-0.03584	0.43969	0.016021	0.72985	-0.27697
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-0.02383	0.60756	-0.05158	0.26601	-0.09148	0.04818	-0.09263	0.04542	-0.28524
-0.06924	0.13515	-0.02214	0.63328	-0.05241	0.25837	-0.05981	0.19696	-0.20044
0.094723	0.04075	0.113002	0.01455	0.166561	0.0003	0.236089	2.45E-07	0.305891
0.057279	0.21664	0.058852	0.20426	0.152886	0.00092	0.145883	0.00157	0.288218
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0.023068	0.61902	0.017589	0.70461	-0.07307	0.1148	0.006962	0.88072	-0.19655
-0.06079	0.1897	0.060136	0.19455	0.036109	0.43629	0.103436	0.0254	-0.08318
-0.08757	0.05863	0.001747	0.96997	-0.00706	0.87904	0.034319	0.45938	0.042808
-0.07146	0.12303	0.032865	0.47863	0.103604	0.02516	0.04815	0.29911	-0.0242
-0.0986	0.03316	-0.02058	0.6574	0.006206	0.8936	-0.04487	0.33327	-0.01385
-0.15542	0.00075	-0.20202	1.08E-05	-0.18656	4.98E-05	-0.20086	1.22E-05	-0.00699
0.029234	0.52856	-0.03716	0.42301	-0.00597	0.89755	-0.10594	0.02204	-0.10716
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-0.00302	0.94804	0.01493	0.74761	-0.13482	0.00351	-0.0981	0.03406	-0.27689
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0.004135	0.92899	-0.02328	0.61584	-0.04318	0.35185	0.091058	0.04923	0.282619
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-0.0813	0.07923	0.07216	0.11941	-0.10926	0.01819	0.023474	0.61286	-0.21212
-0.08684	0.06078	0.015422	0.73959	-0.03713	0.42346	-0.00404	0.9307	-0.14994
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0.030517	0.51063	-0.12962	0.00503	-0.06745	0.14554	-0.04119	0.37445	0.22832
-0.05585	0.22831	0.018948	0.68297	0.005693	0.90234	0.00602	0.89677	-0.27064
-0.02907	0.53094	0.055192	0.23388	-0.06611	0.15375	-0.02908	0.53073	-0.29444
0.013523	0.7707	0.076727	0.09771	0.009467	0.83833	0.044111	0.34153	-0.17843
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-0.05166	0.26524	-0.02559	0.58114	-0.2852	3.44E-10	-0.03885	0.40225	-0.05578
0.162563	0.00042	0.020564	0.65758	0.312803	4.65E-12	0.010878	0.81463	0.219906
0.180669	8.63E-05	0.070349	0.129	0.361617	7.13E-16	0.130737	0.00466	0.192825
0.016951	0.71485	-0.09333	0.04382	0.088706	0.05542	-0.13765	0.00287	0.024481
0.060896	0.18896	-0.03339	0.47163	0.074994	0.10554	-0.08154	0.07835	-0.03024
0.113278	0.01431	-0.07575	0.10205	0.190485	3.42E-05	-0.13295	0.004	0.196595
0.10025	0.03031	-0.04442	0.33817	0.077081	0.09616	-0.09066	0.05025	0.057972
0.0783	0.091	-0.07854	0.09	0.152888	0.00092	-0.06834	0.1403	0.167657
0.016521	0.72178	-0.17559	0.00014	0.072302	0.11869	-0.21283	3.48E-06	0.114327
0.084974	0.06655	-0.12354	0.00752	0.196305	1.93E-05	-0.20564	7.46E-06	0.141565
-0.08004	0.08403	0.078984	0.0882	-0.08874	0.05532	0.136459	0.00313	-0.05993
0.102513	0.02674	0.098034	0.03418	0.297543	5.31E-11	-0.06875	0.13795	-0.05856
-0.17057	0.00021	-0.08119	0.07966	-0.33263	1.58E-13	-0.01811	0.6963	-0.08984
-0.00319	0.94522	-0.14777	0.00136	0.069989	0.13097	-0.09459	0.04102	0.152371
-0.2229	1.14E-06	-0.01578	0.73371	-0.3199	1.43E-12	0.026449	0.56859	-0.15538
0.112904	0.01464	-0.06646	0.15159	0.268047	3.98E-09	-0.10513	0.02308	0.267112
-0.09829	0.03372	-0.14627	0.00153	-0.00675	0.8844	-0.27282	2.05E-09	-0.09895
-0.02699	0.56069	0.182156	7.53E-05	-0.01936	0.67645	0.273953	1.75E-09	-0.03492
0.025287	0.58571	-0.11518	0.01275	0.042847	0.35555	-0.05311	0.25199	0.217553
0.088306	0.05653	-0.05464	0.23862	0.306292	1.34E-11	-0.11238	0.01511	0.24573
-0.07044	0.12851	0.019401	0.67582	-0.29743	5.40E-11	0.018801	0.68531	-0.22329
-0.05182	0.26375	0.197277	1.75E-05	-0.09287	0.04488	0.224586	9.43E-07	-0.00349
0.065958	0.15471	-0.03301	0.47666	0.075911	0.10133	-0.10017	0.03044	-0.17003
-0.10121	0.02875	-0.13752	0.0029	-0.27914	8.33E-10	-0.09535	0.03943	-0.02232
0.015445	0.73921	-0.20765	6.05E-06	0.093927	0.04247	-0.24462	8.62E-08	0.066785
-0.14927	0.00122	-0.10229	0.02708	-0.27271	2.08E-09	-0.00162	0.9721	-0.00354
-0.13665	0.00309	0.030624	0.50914	-0.19937	1.42E-05	0.089974	0.05201	0.06556
0.084129	0.06931	-0.08019	0.08343	0.271302	2.53E-09	-0.13884	0.00264	0.203712
0.138825	0.00264	0.06942	0.13414	0.398152	3.43E-19	0.049248	0.28822	0.131621
0.05043	0.27679	-0.11962	0.00967	0.182865	7.05E-05	-0.23844	1.85E-07	0.1115
0.075296	0.10414	-0.05791	0.21165	0.23375	3.24E-07	-0.09412	0.04206	0.11609
-0.04477	0.33433	0.066539	0.1511	-0.25295	2.99E-08	0.0926	0.0455	-0.07253
-0.19344	2.57E-05	-0.11222	0.01526	-0.3271	4.17E-13	-0.19292	2.70E-05	-0.06608
-0.08465	0.06759	0.074762	0.10663	-0.25145	3.63E-08	0.093253	0.04399	-0.01623
0.083276	0.07219	-0.02091	0.65213	0.208648	5.44E-06	-0.06165	0.18354	0.079416
0.066205	0.15317	-0.09962	0.03137	0.148108	0.00133	-0.04154	0.37048	0.17111
0.064941	0.16118	-0.12081	0.00897	0.200001	1.33E-05	-0.17296	0.00017	0.188642
-0.07939	0.08658	0.056489	0.22306	-0.1881	4.30E-05	0.046223	0.31889	-0.15075
0.096649	0.03681	-0.037	0.42504	0.252781	3.06E-08	-0.12025	0.00929	0.175158
-0.10711	0.0206	0.086698	0.0612	-0.08174	0.07762	0.092916	0.04476	-0.00221
-0.01295	0.78008	-0.01099	0.81283	0.121226	0.00873	-0.00502	0.91383	0.014993
-0.02595	0.57594	0.157202	0.00065	-0.04816	0.29899	0.238275	1.88E-07	-0.07036
0.010536	0.82036	0.089406	0.05351	-0.14837	0.0013	0.072784	0.11624	-0.1032
0.151918	0.00099	0.069284	0.13491	0.270559	2.81E-09	0.043262	0.3509	0.137124
0.058034	0.21063	-0.09541	0.03929	0.075888	0.10144	-0.087	0.06031	0.166896

0.072922	0.11555	-0.09987	0.03095	0.175084	0.00014	-0.16013	0.00051	0.133996
-0.03838	0.40793	0.123841	0.00738	-0.16355	0.00039	0.064724	0.16259	-0.30232
0.028329	0.54141	-0.04438	0.33862	0.161384	0.00046	-0.07987	0.08467	0.014753
-0.00109	0.98131	-0.15281	0.00092	0.077149	0.09587	-0.22693	7.21E-07	0.093375
-0.10394	0.02468	0.021992	0.63547	-0.19417	2.39E-05	0.185485	5.51E-05	0.096311
0.12163	0.00851	0.026839	0.5629	0.182321	7.41E-05	-0.0844	0.06841	-0.05972
-0.05249	0.25763	0.06719	0.14713	-0.18611	5.20E-05	0.121028	0.00884	-0.05164
0.130435	0.00475	0.014959	0.74714	0.357229	1.67E-15	-0.05429	0.24163	0.12085
-0.01002	0.8291	-0.11434	0.01342	0.068893	0.13713	-0.09676	0.03658	0.100076
0.021927	0.63647	-0.17105	0.0002	0.041736	0.36817	-0.18048	8.78E-05	0.064757
-0.09264	0.0454	0.142659	0.002	-0.14207	0.00209	0.089533	0.05317	-0.09461
-0.12811	0.00556	0.074762	0.10663	-0.23312	3.49E-07	0.100805	0.0294	-0.13427
0.00572	0.90189	0.107243	0.02045	-0.11862	0.0103	0.156477	0.00069	-0.15132
-0.1021	0.02736	0.069872	0.13162	-0.17874	0.0001	0.081649	0.07796	-0.19322
0.243089	1.04E-07	0.1534	0.00088	0.507398	6.36E-32	0.135903	0.00325	0.128583
-0.08187	0.07715	0.198621	1.53E-05	-0.09153	0.04806	0.234058	3.13E-07	0.073212
0.162443	0.00042	0.107619	0.02001	0.421369	1.59E-21	0.089215	0.05403	0.141708
-0.10063	0.02969	0.146953	0.00145	-0.19371	2.50E-05	0.183254	6.80E-05	-0.07305
-0.01865	0.68777	0.109208	0.01824	-0.16813	0.00026	0.133722	0.00379	-0.06025
-0.00354	0.93915	-0.13122	0.00451	0.133221	0.00393	-0.13814	0.00278	0.19717
0.10457	0.02383	-0.07294	0.11547	0.21795	1.99E-06	-0.1473	0.00141	0.126224
0.078768	0.08908	-0.06874	0.13798	0.148809	0.00126	-0.05845	0.20735	0.074702
-0.0988	0.03279	-0.01782	0.70098	-0.17455	0.00015	0.054856	0.23675	-0.10639
-0.13432	0.00364	-0.03245	0.48422	-0.13755	0.0029	0.098559	0.03322	0.005683
-0.04576	0.32376	-0.11527	0.01268	0.137319	0.00294	-0.10446	0.02398	0.132355
0.023454	0.61317	-0.13923	0.00257	0.073994	0.11028	-0.23213	3.93E-07	0.010309
0.002268	0.96101	-0.01452	0.75435	0.115887	0.01221	-0.06578	0.15585	0.070037
-0.08311	0.07275	0.064647	0.16309	-0.16093	0.00048	0.090333	0.05107	-0.05044
-0.10079	0.02942	0.091669	0.04772	-0.26086	1.06E-08	0.136688	0.00308	-0.15647
0.013177	0.7764	-0.06248	0.17766	0.17505	0.00014	-0.03012	0.5162	0.299205
0.130149	0.00485	0.00355	0.93901	0.222901	1.14E-06	-0.07386	0.11093	0.037327
0.06208	0.18048	-0.0708	0.12657	0.126123	0.00635	-0.21874	1.82E-06	-0.08742
0.211933	3.83E-06	0.199359	1.42E-05	0.485115	6.11E-29	0.076527	0.09859	0.217765
-0.04218	0.36306	-0.08426	0.06887	0.047783	0.30281	-0.13629	0.00317	0.031555
-0.04078	0.37929	0.134459	0.0036	-0.11897	0.01007	0.130482	0.00474	-0.11585
0.043029	0.35351	0.072858	0.11587	0.105297	0.02286	0.005551	0.90477	-0.06083
0.089808	0.05244	-0.1058	0.02221	0.223005	1.13E-06	-0.21682	2.25E-06	0.103412
0.084688	0.06747	-0.12295	0.00782	0.054396	0.2407	-0.09274	0.04517	0.081157
0.100648	0.02965	-0.05449	0.23993	0.196185	1.96E-05	-0.08119	0.07964	0.193372
0.006504	0.88852	0.281289	6.10E-10	0.075366	0.10382	0.233235	3.45E-07	-0.04062
0.086407	0.06208	-0.00858	0.85336	0.195517	2.09E-05	-0.08973	0.05264	0.036179
0.167251	0.00028	0.085682	0.06431	0.358326	1.35E-15	0.072125	0.11959	0.363278
0.143878	0.00183	0.08058	0.08195	0.333461	1.37E-13	-0.04343	0.34899	-0.00204
-0.03966	0.39255	0.100621	0.0297	-0.10179	0.02783	0.073632	0.11204	-0.04462
0.033865	0.46534	-0.09392	0.04249	0.107994	0.01958	-0.09879	0.03281	0.132687

0.02342	0.61368	-0.05711	0.21798	0.246067	7.19E-08	-0.08444	0.0683	0.209409
0.050992	0.27146	0.00961	0.83591	0.21132	4.09E-06	-0.05461	0.23886	0.246502
-0.0247	0.59448	-0.1219	0.00836	0.030146	0.51578	-0.16491	0.00035	0.031755
-0.08467	0.06755	0.025751	0.57883	-0.17083	0.00021	0.024034	0.60441	-0.0833
0.027486	0.55351	0.164383	0.00036	0.089589	0.05302	0.259454	1.27E-08	0.104916
0.155072	0.00077	0.274879	1.53E-09	0.497827	1.29E-30	0.308274	9.72E-12	0.44111
0.090541	0.05054	-0.05935	0.20043	0.081256	0.07941	-0.06216	0.17991	0.204214
0.133901	0.00374	0.041772	0.36776	0.250264	4.22E-08	-0.03627	0.43418	0.284216
0.187806	4.43E-05	0.266664	4.81E-09	0.480261	2.55E-28	0.155803	0.00073	0.098629
-0.08752	0.05876	-0.06137	0.1855	-0.18733	4.63E-05	0.070766	0.12674	0.043465
0.051477	0.26692	-0.18322	6.82E-05	-0.06125	0.18638	-0.18608	5.22E-05	-0.10338
0.00791	0.86463	-0.1805	8.77E-05	0.084999	0.06647	-0.19669	1.86E-05	0.081084
0.017513	0.70581	-0.13976	0.00247	0.075673	0.10241	-0.19847	1.56E-05	0.079519
0.047383	0.30689	-0.09187	0.04722	0.209078	5.20E-06	-0.10531	0.02285	0.194645
0.080754	0.08129	-0.07229	0.11874	0.114727	0.01311	-0.17748	0.00012	0.007415
0.078034	0.09211	-0.10627	0.02162	0.203614	9.21E-06	-0.19325	2.61E-05	0.064736
-0.02744	0.55419	-0.1114	0.01603	0.051937	0.26266	-0.04683	0.31262	0.049873
0.036857	0.42683	-0.10195	0.0276	0.145794	0.00158	-0.16033	0.00051	0.017168
0.080274	0.08311	-0.02587	0.57703	0.240621	1.41E-07	-0.16724	0.00028	0.066617
0.040306	0.38483	-0.09667	0.03677	0.066695	0.15014	-0.16159	0.00046	-0.07001
-0.03146	0.49768	0.0477	0.30366	-0.23923	1.67E-07	0.163511	0.00039	-0.17231
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0.113625	0.01402	-0.05041	0.27694	0.120749	0.009	-0.10151	0.02827	0.006571
0.117087	0.01133	0.025504	0.58248	0.129862	0.00494	-0.03586	0.43945	0.115525
0.076692	0.09786	-0.05009	0.28004	0.070338	0.12906	-0.1254	0.00666	0.114782
-0.00699	0.88023	-0.06786	0.14311	0.152733	0.00093	3.25E-05	0.99944	0.298489
0.028506	0.5389	-0.02433	0.60002	0.276441	1.23E-09	-0.114	0.0137	0.083208
-0.03259	0.48226	-0.10982	0.01759	-0.01008	0.82795	-0.13557	0.00333	-0.03112
0.0096	0.83608	-0.1518	0.001	0.111837	0.01561	-0.19971	1.37E-05	0.041431
-0.02004	0.66573	-0.04542	0.32742	0.057652	0.21366	-0.08283	0.07375	-0.03617
0.055879	0.22811	-0.08129	0.07928	0.116795	0.01154	-0.15905	0.00056	0.090998
-0.05638	0.22396	0.023232	0.61654	-0.14233	0.00205	0.036481	0.43157	0.054212
0.002195	0.96227	-0.12001	0.00943	0.160427	0.0005	-0.20083	1.23E-05	0.079116
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-0.10303	0.02598	0.027947	0.54688	-0.22154	1.33E-06	0.056514	0.22286	0.068455
0.100627	0.02969	0.022574	0.62656	0.339399	4.71E-14	-0.0546	0.23898	0.191296
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0.216511	2.33E-06	0.274124	1.70E-09	0.52583	1.46E-34	0.224093	9.98E-07	0.231699
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0.043615	0.34699	-0.04782	0.30244	0.177559	0.00011	-0.12699	0.006	0.143447
-0.09321	0.04409	0.029486	0.52501	-0.13641	0.00314	0.151464	0.00103	0.024971
0.055113	0.23455	-0.02668	0.56525	0.269895	3.08E-09	-0.13971	0.00248	0.078167
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0.042946	0.35444	-0.07348	0.11277	0.183722	6.51E-05	-0.0654	0.15821	0.006477
0.082862	0.07362	0.042646	0.35782	0.180647	8.65E-05	-0.04622	0.31892	0.053839
0.033029	0.47644	-0.0753	0.10414	0.05795	0.21129	-0.08513	0.06605	0.042819
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0.160794	0.00049	0.099812	0.03104	0.312588	4.82E-12	0.076531	0.09857	0.154187
0.054723	0.23788	-0.00449	0.92291	0.129564	0.00504	-0.04378	0.34513	0.095372
0.092313	0.04617	-0.0802	0.08339	0.157058	0.00066	-0.1317	0.00436	0.037542
0.049044	0.29022	-0.04325	0.35101	0.145023	0.00168	-0.11263	0.01489	-0.00947
0.055505	0.23123	-0.12743	0.00582	0.010974	0.81303	-0.13207	0.00425	-0.03488
0.027664	0.55096	-0.03495	0.45112	0.066486	0.15143	-0.14235	0.00204	0.154658
0.105865	0.02213	-0.0369	0.42632	0.283657	4.32E-10	-0.11665	0.01164	0.117481
0.042505	0.3594	0.07333	0.11352	0.196023	1.99E-05	-0.00715	0.87761	-0.00215
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0.048169	0.29892	-0.13707	0.003	0.035797	0.44026	-0.17483	0.00015	0.151778
0.082173	0.07606	-0.07045	0.12846	0.183061	6.92E-05	-0.17407	0.00016	0.001812
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0.009863	0.83165	0.008078	0.86179	0.088048	0.05726	-0.1312	0.00451	-0.02701
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0.146135	0.00154	-0.06082	0.18953	0.266229	5.11E-09	-0.12402	0.00729	0.251471
0.124604	0.00702	0.045194	0.3298	0.281746	5.71E-10	-0.08171	0.07774	0.179038
0.185867	5.32E-05	-0.06005	0.19521	0.283676	4.31E-10	-0.08458	0.06784	0.15233
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0.040288	0.38504	-0.10116	0.02883	0.103307	0.02558	-0.11105	0.01635	0.012669
0.117953	0.01074	-0.03096	0.50457	0.148117	0.00133	-0.09114	0.04901	0.117604
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0.094487	0.04125	-0.13335	0.00389	0.126758	0.00609	-0.14411	0.00179	0.259222
0.050809	0.27319	0.185727	5.39E-05	0.064008	0.1673	0.297085	5.70E-11	0.203056
0.048159	0.29902	-0.07495	0.10575	0.17917	9.90E-05	-0.12606	0.00638	0.191567
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0.00182	0.96872	-0.13537	0.00338	0.149239	0.00122	-0.16873	0.00025	0.122467
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0.040043	0.38794	-0.09279	0.04506	0.056776	0.22071	-0.1886	4.10E-05	-0.03247
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0.085704	0.06424	-0.029	0.53188	0.163334	0.00039	-0.14653	0.0015	0.058944
0.128597	0.00538	0.018455	0.6908	0.349274	7.62E-15	-0.03682	0.42729	0.111899
0.064759	0.16236	0.028782	0.53497	0.231234	4.37E-07	-0.06527	0.15905	0.013841
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0.049865	0.28221	-0.13221	0.00421	0.216131	2.43E-06	-0.21566	2.56E-06	0.140558
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0.070301	0.12926	-0.01373	0.7673	0.121612	0.00852	-0.06896	0.13674	-0.00914
0.09419	0.0419	-0.05218	0.26047	0.127267	0.00589	-0.095	0.04016	0.092919
0.015941	0.73116	-0.15968	0.00053	0.0486	0.29461	-0.1598	0.00053	0.013184
-0.13172	0.00435	-0.01567	0.7355	-0.2688	3.59E-09	0.050848	0.27282	-0.00453
-0.04796	0.30105	0.01923	0.67852	-0.22657	7.51E-07	0.087893	0.0577	-0.13393
0.083142	0.07265	-0.07594	0.1012	0.099922	0.03085	-0.14121	0.00222	0.156076
-0.01053	0.82049	-0.12478	0.00694	0.17789	0.00011	-0.05541	0.23207	0.335538
-0.06013	0.19461	0.018246	0.69411	-0.16467	0.00035	0.005733	0.90166	-0.33273
-0.00603	0.89659	0.027843	0.54838	-0.13198	0.00428	0.093234	0.04403	0.158467
-0.09489	0.04039	0.057753	0.21286	-0.24251	1.12E-07	0.03313	0.47509	-0.19169
-0.07806	0.09202	0.099711	0.03121	-0.04495	0.33236	0.088626	0.05564	-0.1255
0.0319	0.49165	0.405226	6.97E-20	0.091958	0.04702	0.389709	2.18E-18	0.021768
0.111703	0.01573	-0.12711	0.00595	0.242894	1.07E-07	-0.2013	1.17E-05	0.099321
-0.00049	0.99159	-0.15812	0.0006	0.070883	0.12611	-0.21846	1.88E-06	0.065851
-0.00321	0.94481	-0.13662	0.00309	0.079733	0.08522	-0.23357	3.31E-07	-0.0658
-0.00463	0.92048	-0.03521	0.44785	0.166225	0.00031	-0.0316	0.49575	0.130142
-0.00283	0.9514	-0.10521	0.02297	0.017477	0.7064	-0.14964	0.00118	-0.04813
-0.03574	0.44101	-0.04775	0.30312	0.081784	0.07747	-0.09307	0.0444	0.129229
0.000983	0.98311	-0.11761	0.01097	0.06488	0.16158	-0.13508	0.00345	0.080095
-0.09561	0.03889	0.124796	0.00693	-0.07963	0.08563	0.139922	0.00244	-0.11237
0.065518	0.15748	-0.0459	0.32233	0.159705	0.00053	-0.07939	0.08659	0.152795
0.020914	0.65214	-0.01725	0.70999	0.106551	0.02128	-0.04988	0.28207	0.157515
0.137673	0.00287	-0.12692	0.00602	0.156127	0.00071	-0.17843	0.00011	0.1035
-0.0821	0.07632	0.071812	0.12121	-0.15377	0.00086	0.085904	0.06362	-0.03749
-0.03746	0.41935	0.120548	0.00912	-0.01513	0.7443	0.116459	0.01178	-0.23231
-0.05299	0.25313	0.031634	0.49527	-0.16114	0.00047	0.077455	0.09456	0.088229
0.121496	0.00858	-0.15039	0.00111	0.145757	0.00159	-0.17478	0.00015	0.139566
0.007813	0.86628	-0.01108	0.81121	0.184523	6.04E-05	-0.0806	0.08186	0.138583
-0.01685	0.71644	-0.11946	0.00977	-0.02721	0.55753	-0.15687	0.00067	0.106494
0.068741	0.138	-0.03169	0.49454	0.166636	0.0003	-0.13456	0.00358	0.102425
0.037808	0.415	0.024312	0.60023	0.082635	0.07442	-0.01892	0.68346	0.163522
-0.14019	0.00239	-0.01101	0.81243	-0.24567	7.56E-08	0.039278	0.39708	-0.09648
-0.03328	0.47311	-0.15937	0.00055	0.111374	0.01605	-0.27485	1.54E-09	0.037638
0.018361	0.69229	-0.19606	1.98E-05	0.045255	0.32914	-0.12453	0.00705	0.186547
0.108077	0.01948	-0.0411	0.37554	0.236805	2.25E-07	-0.03173	0.49399	0.053906
0.141313	0.00221	0.084985	0.06651	0.267098	4.53E-09	-0.00468	0.91968	0.092148
0.049022	0.29044	-0.09697	0.03618	0.165986	0.00032	-0.13832	0.00274	0.049117
0.11229	0.01519	0.25377	2.69E-08	0.353425	3.47E-15	0.159104	0.00056	0.039891
0.00417	0.9284	-0.22434	9.70E-07	-0.01222	0.79222	-0.28426	3.95E-10	0.018755
-0.10453	0.02388	0.078879	0.08863	-0.15889	0.00057	0.073855	0.11095	-0.10623
-0.02967	0.5225	0.105292	0.02287	-0.21642	2.35E-06	0.086827	0.06081	-0.21864
-0.0682	0.14112	0.059382	0.20021	-0.19904	1.47E-05	0.063506	0.17066	-0.12957

-0.09826	0.03376	-0.0145	0.75458	-0.2193	1.71E-06	-0.02323	0.61658	-0.22937
0.164809	0.00035	-0.02945	0.52558	0.217267	2.14E-06	-0.0384	0.40767	0.096864
0.057168	0.21753	-0.06971	0.13254	0.239394	1.64E-07	-0.13679	0.00306	0.105094
-0.09138	0.04844	0.184732	5.92E-05	-0.17582	0.00013	0.212724	3.52E-06	-0.14358
-0.12412	0.00724	-0.05421	0.24228	-0.31096	6.28E-12	-0.01167	0.80145	-0.18751
0.024411	0.59876	-0.1467	0.00148	0.121304	0.00869	-0.20208	1.08E-05	0.110521
-0.09125	0.04876	0.047573	0.30494	-0.17212	0.00019	0.077145	0.09589	0.009623
-0.02691	0.5618	-0.09628	0.03754	0.017197	0.71089	-0.15262	0.00094	-0.11506
0.002432	0.9582	-0.15419	0.00083	0.112022	0.01544	-0.21612	2.43E-06	0.08229
-0.11473	0.0131	0.108411	0.01911	-0.1622	0.00043	0.203978	8.87E-06	-0.03629
-0.09036	0.051	0.027606	0.55178	-0.18012	9.08E-05	0.104275	0.02423	0.080015
0.090726	0.05007	-0.05394	0.24469	0.189173	3.88E-05	-0.109	0.01846	0.248856
0.07899	0.08818	-0.04757	0.30498	0.245644	7.58E-08	-0.05967	0.19803	0.189942
0.050378	0.27728	-0.15724	0.00065	0.200125	1.32E-05	-0.22936	5.44E-07	0.158846
0.078713	0.0893	-0.11897	0.01008	0.212985	3.42E-06	-0.19683	1.83E-05	0.144965
0.09942	0.03171	-0.09284	0.04493	0.243063	1.05E-07	-0.20296	9.86E-06	0.064116
0.179642	9.48E-05	0.029053	0.53112	0.320377	1.32E-12	-0.05359	0.24776	0.021319
0.068128	0.14155	-0.12329	0.00765	0.202985	9.83E-06	-0.17823	0.00011	0.051349
0.023904	0.60637	-0.07407	0.10993	0.172333	0.00018	-0.08853	0.05591	0.136311
0.035926	0.43862	-0.16081	0.00049	0.116745	0.01158	-0.23806	1.93E-07	0.12558
-0.05006	0.28032	-0.1716	0.00019	-0.00484	0.91695	-0.24143	1.28E-07	-0.08822
0.086623	0.06142	0.063188	0.17282	0.219746	1.63E-06	0.023746	0.60875	0.292505
0.026042	0.57456	-0.08862	0.05564	0.047988	0.30074	-0.11597	0.01215	0.02727
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0.050845	0.27284	-0.03405	0.46297	0.165031	0.00034	-0.12532	0.00669	-0.01487
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0.047781	0.30284	-0.01547	0.73884	0.120254	0.00929	-0.15597	0.00072	-0.01512
0.011154	0.81002	-0.10687	0.0209	-0.02588	0.57701	-0.26478	6.22E-09	-0.01437
0.064886	0.16154	-0.1388	0.00265	0.168792	0.00025	-0.18097	8.39E-05	0.078823
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0.113593	0.01404	-0.04401	0.34265	0.25254	3.15E-08	-0.0693	0.13482	0.097261
-0.05821	0.20929	-0.2457	7.53E-08	-0.02646	0.56845	-0.29177	1.29E-10	0.031999
0.111371	0.01605	-0.04013	0.38691	0.224779	9.23E-07	-0.07794	0.09249	0.097492
0.035332	0.44622	-0.13599	0.00323	0.082029	0.07658	-0.2165	2.33E-06	0.106133
0.021458	0.64371	-0.13619	0.00319	0.126621	0.00614	-0.19065	3.37E-05	0.218514
-0.02514	0.58793	-0.00935	0.8403	0.07878	0.08903	-0.12641	0.00623	-0.007
0.005521	0.90529	-0.07134	0.12369	0.073282	0.11376	-0.14297	0.00195	0.084873
0.070538	0.12797	-0.09507	0.04001	0.115868	0.01222	-0.19619	1.96E-05	0.073606
0.01012	0.82733	-0.16674	0.0003	0.028948	0.53261	-0.19481	2.24E-05	0.115009
0.074997	0.10552	-0.08241	0.0752	0.195159	2.17E-05	-0.20525	7.78E-06	-0.00036
0.0586	0.20621	-0.04174	0.36811	0.021242	0.64706	-0.15313	0.0009	-0.04804
0.048486	0.29574	-0.10226	0.02712	0.131395	0.00445	-0.14641	0.00151	0.121917
0.052831	0.25452	-0.12184	0.00839	0.079412	0.08649	-0.14745	0.0014	0.088328
-0.05994	0.19598	-0.15475	0.00079	-0.01589	0.73201	-0.18656	4.98E-05	-0.01997
0.066899	0.14889	-0.09898	0.03248	0.100755	0.02948	-0.18342	6.69E-05	0.148006

0.0674	0.14587	-0.04288	0.3552	0.042373	0.3609	-0.11755	0.01101	-0.10319
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0.121293	0.00869	-0.01929	0.67754	0.185514	5.50E-05	-0.10855	0.01896	0.05369
0.028743	0.53552	-0.1262	0.00632	0.002056	0.96466	-0.13978	0.00247	0.11796
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0.031187	0.50138	-0.09338	0.0437	0.160541	0.0005	-0.18116	8.25E-05	0.157985
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0.027589	0.55203	-0.11074	0.01666	0.057741	0.21295	-0.13301	0.00398	-0.00094
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0.239391	1.64E-07	0.240833	1.38E-07	0.269486	3.26E-09	0.135394	0.00337	0.043584
0.119373	0.00982	0.107835	0.01976	0.167062	0.00029	0.164816	0.00035	0.196441
0.146786	0.00147	0.022784	0.62334	0.138529	0.0027	-0.00402	0.93102	-0.0198
0.245125	8.09E-08	0.154052	0.00084	0.142927	0.00196	0.087304	0.0594	-0.00936
0.012561	0.78661	-0.07048	0.12831	-0.12756	0.00577	-0.06779	0.14357	0.02403
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0.090832	0.0498	0.021737	0.63941	0.02172	0.63966	0.012362	0.7899	-0.02735
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0.176492	0.00013	0.214463	2.92E-06	0.143991	0.00181	0.130819	0.00463	0.011206
0.100737	0.02951	-0.01955	0.6735	0.033556	0.46942	-0.05195	0.26257	0.041347
0.050061	0.28031	-0.00721	0.87653	0.031561	0.49627	-0.06833	0.14035	0.098916
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0.072411	0.11813	0.010905	0.81417	-0.00846	0.85528	0.008576	0.85336	-0.01014
0.279499	7.91E-10	0.152557	0.00094	0.30859	9.24E-12	0.109989	0.01742	0.13726
0.060625	0.19094	0.121996	0.00831	0.08114	0.07984	0.073184	0.11425	0.022161
0.008859	0.84858	-0.05192	0.26286	-0.07264	0.11698	-0.05377	0.24616	0.064328
0.011671	0.80139	-0.06723	0.14689	-0.04674	0.31352	-0.09952	0.03154	-0.02144
0.045657	0.32486	-0.02311	0.61833	-0.01768	0.7031	-0.05361	0.24757	-0.02018
0.082016	0.07663	0.05749	0.21495	0.098595	0.03316	0.032363	0.48538	0.065041
0.086467	0.06189	0.098156	0.03395	0.119096	0.01	0.030635	0.50899	0.024195
0.026925	0.56164	-0.10769	0.01992	-0.06137	0.18554	-0.11638	0.01184	-0.11443
0.030516	0.51064	0.051385	0.26778	0.070298	0.12928	0.060022	0.1954	-0.01029
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0.065977	0.15459	0.001311	0.97745	0.064557	0.16368	-0.06408	0.16683	-0.04987
0.014372	0.75673	0.053393	0.2495	0.027087	0.5593	0.055928	0.2277	-0.03459
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0.049526	0.2855	0.016003	0.73015	0.043661	0.34648	0.02137	0.64506	-0.00587
0.003353	0.9424	-0.03531	0.44655	0.010869	0.81478	-0.00137	0.97642	0.044364
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0.223894	1.02E-06	0.011271	0.80806	0.068999	0.13652	-0.04954	0.28533	0.013093
0.043429	0.34905	0.022885	0.62181	-0.01461	0.75285	0.033794	0.46628	0.035193
0.035552	0.4434	-0.0202	0.66332	0.010077	0.82806	-0.0234	0.61399	0.035835
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0.032264	0.48671	0.026692	0.56504	0.012318	0.79063	-0.0279	0.54753	-0.00505
0.085674	0.06433	-0.0316	0.49579	-0.03652	0.43102	-0.05097	0.27163	-0.03514
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0.032674	0.48119	-0.04397	0.34302	-0.07049	0.12821	-0.07546	0.10338	0.070463
0.068394	0.14	0.052615	0.25648	0.005295	0.90915	0.029057	0.53107	-0.02077
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0.012188	0.7928	0.069949	0.13119	0.146343	0.00152	0.178092	0.00011	0.045491
0.223718	1.04E-06	0.101555	0.02821	0.210641	4.40E-06	0.066645	0.15045	0.024135
0.043308	0.35039	0.011287	0.8078	-0.00195	0.96644	-0.02248	0.62802	-0.03554
0.031318	0.49958	0.096825	0.03646	0.133113	0.00396	0.072811	0.11611	-0.00709
0.030802	0.50668	-0.03386	0.46541	-0.02699	0.56074	-0.02052	0.6583	-0.00319
0.024874	0.59183	0.038102	0.41137	0.041099	0.37554	0.032138	0.48842	0.057264
0.045508	0.32644	-0.07796	0.09242	-0.03518	0.44813	-0.12743	0.00582	0.034161
0.062774	0.17565	0.034854	0.4524	0.054906	0.23632	-0.00424	0.92713	0.061197
0.040344	0.38438	0.100431	0.03001	0.073113	0.1146	0.065274	0.15904	0.011136
0.067152	0.14736	-0.04853	0.29533	0.033788	0.46635	-0.11491	0.01296	-0.01015
0.08579	0.06397	-0.03545	0.44469	0.084774	0.06719	-0.05418	0.24259	0.027635
0.195355	2.12E-05	0.434369	6.51E-23	0.482799	1.21E-28	0.344678	1.79E-14	0.115895
0.13672	0.00307	-0.02993	0.51878	0.005543	0.90491	-0.01808	0.69674	-0.03673
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0.065597	0.15698	0.025079	0.58879	0.035361	0.44585	-0.02716	0.55825	-0.02725
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0.065983	0.15456	-0.03336	0.47207	-0.0536	0.2477	-0.019	0.68215	-0.00687
0.32411	6.97E-13	0.477342	5.97E-28	0.672036	1.18E-62	0.411986	1.47E-20	0.212117
0.07096	0.1257	0.087969	0.05748	0.045848	0.32283	0.027444	0.55412	-0.03638
0.030175	0.51537	0.002083	0.96419	-0.00053	0.99092	-0.00422	0.92755	0.035077
0.137088	0.00299	0.037822	0.41482	0.080488	0.08229	0.085245	0.06568	0.027487
-0.01044	0.82203	-0.03721	0.42244	-0.00178	0.96947	0.02071	0.65531	0.207136
0.016139	0.72795	0.193582	2.53E-05	0.136766	0.00306	0.119958	0.00947	0.003927
0.047577	0.3049	0.008927	0.84743	0.010602	0.81925	0.000417	0.99284	-0.00731
0.071444	0.12314	0.061868	0.18198	0.068278	0.14068	0.012777	0.78302	-0.02374
0.095773	0.03856	0.026654	0.56559	0.089346	0.05367	0.021021	0.65048	0.011187
0.021605	0.64143	-0.00015	0.99745	0.004927	0.91543	-0.03146	0.49768	-0.03474
0.102793	0.02633	0.061634	0.18364	0.06958	0.13324	0.014772	0.75018	-0.00603
0.079666	0.08548	0.068168	0.14132	0.151618	0.00101	-0.00524	0.91016	-0.00879
0.060436	0.19233	0.009395	0.83953	0.05505	0.23509	-0.02808	0.54491	-0.02546
0.066043	0.15418	-0.03356	0.46942	-0.02212	0.63348	-0.00955	0.83687	0.05735
0.121709	0.00847	0.009948	0.83024	-0.06225	0.17928	-0.01514	0.74416	-0.05239
0.055837	0.22846	-0.04523	0.32939	0.001168	0.97992	-0.06095	0.1886	-0.03988

0.078285	0.09106	0.095212	0.03971	0.054918	0.23622	0.069171	0.13555	0.044758
0.18178	7.79E-05	0.002939	0.9495	0.013125	0.77727	-0.01118	0.8095	-0.01249
0.076308	0.09956	0.05901	0.20305	0.100761	0.02947	0.002739	0.95293	-0.01362
0.064554	0.1637	0.0385	0.4065	0.079074	0.08784	0.087148	0.05986	0.060971
0.029617	0.52318	0.073465	0.11286	0.070958	0.12571	0.037478	0.41908	-0.00633
0.025634	0.58057	0.070062	0.13057	0.077162	0.09581	0.023204	0.61695	-0.00582
0.032964	0.4773	-0.02817	0.54366	0.016474	0.72253	-0.03457	0.45603	0.106244
-0.00624	0.89295	0.033928	0.46452	0.047638	0.30428	0.074177	0.1094	0.085879
0.084744	0.06729	-0.00155	0.97333	0.102369	0.02696	-0.02039	0.66028	-0.03002
0.031276	0.50016	0.074281	0.1089	0.078344	0.09082	0.023159	0.61764	-0.0388
0.093073	0.0444	0.095221	0.0397	0.122999	0.00779	0.101669	0.02803	0.084065
-0.00399	0.93152	-0.074	0.11026	-0.1188	0.01018	-0.12418	0.00721	-0.03714
0.00901	0.84602	-0.03327	0.47321	-0.04743	0.30636	0.001409	0.97577	-0.05466
0.183255	6.80E-05	0.285375	3.35E-10	0.244232	9.05E-08	0.185143	5.70E-05	0.031867
0.047796	0.30268	-0.05025	0.27853	-0.10762	0.02001	-0.0492	0.28866	0.037835
0.005057	0.91321	-0.03157	0.49611	-0.01739	0.70773	-0.01432	0.7576	0.094826
0.132655	0.00408	-0.00915	0.84372	-0.01123	0.80868	-0.0336	0.46881	-0.02562
0.01434	0.75726	-0.05864	0.20587	-0.03014	0.51583	-0.05087	0.27263	0.120567
0.035396	0.4454	-0.06286	0.17509	-0.02385	0.60721	-0.07756	0.09409	-0.0108
0.143121	0.00193	0.044653	0.33562	0.101178	0.0288	0.064387	0.16479	0.00616
0.110576	0.01683	0.030689	0.50825	0.063802	0.16868	0.011405	0.80583	-0.02082
-0.09909	0.03228	-0.04173	0.3682	-0.18606	5.22E-05	-0.00684	0.88281	-0.07963
0.061544	0.18429	0.156583	0.00068	0.154855	0.00079	0.205706	7.41E-06	0.229622
-0.04347	0.34858	0.00152	0.97386	0.015544	0.73761	-0.08896	0.05471	-0.19556
-0.11451	0.01328	-0.0807	0.0815	-0.26134	9.91E-09	-0.04694	0.31146	-0.02383
-0.04859	0.2947	-0.0899	0.0522	-0.18154	7.96E-05	-0.15774	0.00062	-0.22849
0.082788	0.07388	0.197208	1.77E-05	0.265371	5.74E-09	0.13392	0.00374	0.242966
-0.0603	0.19336	-0.15876	0.00057	-0.18477	5.90E-05	-0.15387	0.00085	-0.11773
-0.10231	0.02704	-0.25158	3.57E-08	-0.25101	3.84E-08	-0.30319	2.19E-11	-0.17851
0.005343	0.90832	0.076768	0.09752	0.08459	0.06779	0.093619	0.04316	0.154614
-0.05064	0.27478	-0.04829	0.29769	-0.07541	0.10361	0.012871	0.78146	-0.13272
-0.15372	0.00086	-0.1135	0.01412	-0.2567	1.83E-08	-0.06845	0.13966	-0.15057
-0.07939	0.08659	-0.10609	0.02186	-0.05015	0.27943	-0.03995	0.38903	0.084115
0.017002	0.71402	-0.01705	0.71318	0.013917	0.76422	0.093246	0.04401	0.049529
-0.02528	0.58577	-0.00045	0.99224	-0.1193	0.00987	-0.01875	0.68619	-0.13999
-0.09777	0.03466	-0.10235	0.02699	-0.12237	0.00812	-0.06879	0.1377	-0.22811
-0.08636	0.06223	-0.11756	0.01101	-0.11091	0.01649	-0.0399	0.38963	0.080433
-0.00271	0.9534	0.054442	0.24031	-0.04002	0.38822	0.029467	0.52528	-0.1883
-0.03183	0.49266	-0.06175	0.18283	-0.1297	0.005	0.007776	0.86691	-0.17467
-0.11984	0.00954	-0.05804	0.2106	-0.1391	0.00259	-0.02803	0.5457	-0.25958
-0.0866	0.06149	0.021233	0.64719	-0.19901	1.47E-05	-0.00875	0.85037	-0.31824
-0.08504	0.06635	-0.04939	0.28679	-0.31292	4.56E-12	-0.03209	0.48912	-0.33146
-0.16123	0.00047	-0.1653	0.00033	-0.20362	9.21E-06	-0.234	3.15E-07	-0.13993
0.019951	0.66717	0.063279	0.1722	-0.07894	0.08839	0.059501	0.19931	-0.11693
-0.0826	0.07456	-0.05555	0.23088	-0.07922	0.08725	-0.08032	0.08295	-0.15176

-0.10073	0.02952	-0.14344	0.00189	-0.23539	2.67E-07	-0.06054	0.19156	-0.16969
-0.04147	0.37119	-0.12169	0.00848	-0.16548	0.00033	-0.03643	0.43218	-0.10154
-0.02272	0.62432	-0.01445	0.75538	0.009899	0.83105	-0.03186	0.49215	-0.00579
-0.06843	0.13978	-0.0991	0.03227	-0.21419	3.00E-06	-0.04393	0.34356	-0.1122
-0.02858	0.5379	0.146122	0.00154	0.04143	0.3717	0.091137	0.04903	-0.06538
-0.09703	0.03606	-0.11904	0.01003	-0.22974	5.20E-07	-0.1729	0.00017	-0.16632
-0.05746	0.2152	0.033612	0.46869	-0.02965	0.52265	0.004161	0.92855	-0.04535
0.04257	0.35868	-0.0396	0.39321	0.012439	0.78863	-0.04117	0.37476	0.059105
0.131259	0.00449	0.07416	0.10948	0.221065	1.41E-06	-0.01238	0.78957	0.095537
-0.0796	0.08573	0.032349	0.48557	-0.07868	0.08943	-0.00999	0.82944	-0.17402
-0.02739	0.55494	0.095737	0.03863	-0.1603	0.00051	0.121669	0.00849	-0.16559
-0.13761	0.00288	-0.1104	0.01701	-0.25105	3.82E-08	-0.04537	0.32788	-0.043
0.08622	0.06264	0.088817	0.05511	0.075462	0.10338	0.036839	0.42706	-0.00546
0.027096	0.55916	-0.02573	0.57909	-0.02475	0.59372	0.016307	0.72523	0.086549
-0.09497	0.04023	-0.11135	0.01607	-0.28347	4.44E-10	-0.07672	0.09772	-0.21349
-0.07868	0.08946	-0.01599	0.73031	-0.08094	0.08058	-0.07805	0.09205	-0.14539
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-0.09936	0.03181	0.067923	0.14276	-0.18626	5.13E-05	0.136918	0.00303	0.002599
-0.06778	0.14358	0.03251	0.48339	-0.1533	0.00089	0.100844	0.02933	0.092339
-0.0337	0.46755	-0.10544	0.02267	-0.16286	0.00041	-0.1042	0.02433	0.124832
-0.08635	0.06226	-0.03017	0.51548	0.04055	0.38196	0.053329	0.25007	0.109625
-0.02044	0.65952	0.167738	0.00027	-0.03244	0.48435	0.217894	2.00E-06	0.045001
-0.113	0.01456	-0.06285	0.17511	-0.18461	5.99E-05	-0.01534	0.741	-0.21225
-0.14093	0.00227	-0.2024	1.04E-05	-0.20902	5.23E-06	-0.11878	0.0102	-0.20287
-0.07339	0.11321	-0.04323	0.35128	-0.17959	9.52E-05	-0.04343	0.34899	-0.22342
-0.0626	0.17688	-0.01282	0.78233	-0.24752	5.99E-08	-0.03065	0.5088	-0.28976
-0.0859	0.06362	0.082867	0.07361	-0.23281	3.62E-07	0.064827	0.16192	-0.35819
-0.12547	0.00663	-0.05106	0.27085	-0.21499	2.75E-06	0.030469	0.51129	-0.24267
-0.07578	0.10191	-0.04977	0.28316	-0.22059	1.48E-06	-0.07085	0.12626	-0.26292
-0.08715	0.05985	-0.12361	0.00749	-0.22161	1.32E-06	-0.19015	3.53E-05	-0.36589
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-0.10394	0.02469	0.06163	0.18367	-0.28872	2.04E-10	0.059213	0.20149	-0.34078
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0.009521	0.83741	-0.04062	0.38109	0.012931	0.78047	-0.00253	0.95646	-0.12247
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-0.0067	0.88521	0.045685	0.32456	-0.04952	0.28554	0.038226	0.40985	-0.03672
-0.07184	0.12107	-0.07205	0.11999	-0.21319	3.35E-06	-0.08267	0.07431	-0.25749
-0.1323	0.00418	-0.084	0.06974	-0.18677	4.89E-05	0.01783	0.70075	-0.11307
-0.05534	0.23261	-0.04532	0.32848	-0.17164	0.00019	-0.04493	0.3326	-0.10499
-0.08381	0.07037	-0.05684	0.2202	-0.0609	0.18896	-0.01185	0.79842	-0.16025
-0.06498	0.16095	0.043042	0.35336	-0.13012	0.00486	0.075117	0.10497	-0.23974
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-0.08634	0.06229	-0.0169	0.71568	-0.3127	4.73E-12	-0.02075	0.65474	-0.34388
-0.14923	0.00122	-0.09483	0.04052	-0.29632	6.42E-11	-0.07898	0.08822	-0.38314
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-0.0621	0.18034	-0.02844	0.53983	-0.23465	2.91E-07	-0.01072	0.81724	-0.26982
-0.07587	0.10153	-0.02517	0.5874	-0.19286	2.72E-05	-0.03083	0.50633	-0.30314
-0.06631	0.15252	0.099065	0.03233	-0.19429	2.36E-05	0.112423	0.01507	-0.18418
-0.06894	0.13683	-0.13636	0.00315	-0.18019	9.02E-05	-0.05918	0.20173	0.001236
-0.10806	0.0195	0.050304	0.27799	-0.25663	1.85E-08	0.084806	0.06709	-0.30541
-0.06	0.19555	-0.03839	0.40782	-0.15649	0.00069	-0.00211	0.96377	-0.11646
-0.04752	0.30544	-0.04733	0.30744	-0.05288	0.25407	0.035714	0.44132	0.020062
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-0.0936	0.04319	-0.082	0.0767	-0.29203	1.24E-10	-0.02276	0.62373	-0.19752
-0.09892	0.03259	-0.12692	0.00602	-0.25064	4.02E-08	-0.04113	0.37513	-0.20029
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-0.03912	0.39899	-0.05592	0.22773	-0.03438	0.45852	-0.00384	0.93409	0.02955
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-0.1203	0.00926	-0.19181	3.01E-05	-0.23665	2.29E-07	-0.18525	5.64E-05	-0.27647
-0.10771	0.01991	-0.1265	0.00619	-0.17916	9.90E-05	-0.13387	0.00375	-0.1596
-0.11188	0.01557	-0.31125	6.00E-12	-0.21837	1.90E-06	-0.22408	9.99E-07	-0.10743
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-0.15053	0.0011	-0.11155	0.01588	-0.28983	1.73E-10	-0.0285	0.53894	-0.3226
-0.08815	0.05697	0.057143	0.21774	-0.26602	5.26E-09	0.083403	0.07176	-0.34436
-0.09277	0.0451	0.059049	0.20275	-0.25261	3.13E-08	0.139736	0.00247	-0.21276
-0.07057	0.12779	-0.05379	0.24602	-0.16361	0.00039	0.063438	0.17112	-0.04798
-0.10351	0.02529	0.026262	0.57133	-0.24596	7.29E-08	0.067129	0.1475	-0.29377
-0.0511	0.27042	-0.10735	0.02032	-0.09231	0.04618	0.019177	0.67935	-0.0719
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-0.06547	0.15782	-0.02603	0.57472	-0.28383	4.21E-10	0.019184	0.67924	-0.31604
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-0.0671	0.1477	-0.04853	0.29536	-0.17377	0.00016	-0.03269	0.48101	-0.22594
-0.08948	0.05331	-0.10213	0.02733	-0.30852	9.35E-12	-0.06313	0.17318	-0.20045
-0.08894	0.05479	0.036441	0.43208	-0.20804	5.80E-06	0.112002	0.01546	-0.12506
-0.10305	0.02596	-0.0272	0.55763	-0.347	1.17E-14	-0.00981	0.83257	-0.36498
-0.0485	0.29559	-0.07983	0.08485	-0.1519	0.00099	-0.04483	0.33374	-0.0719
-0.075	0.10551	-0.12871	0.00534	-0.13143	0.00444	-0.09376	0.04284	-0.13004
-0.08395	0.0699	-0.10297	0.02607	-0.18323	6.81E-05	-0.06408	0.16683	-0.16231
-0.06318	0.17286	-0.06524	0.15925	-0.03768	0.41657	-0.0706	0.12764	-0.00064
-0.04343	0.34903	0.065506	0.15756	-0.14642	0.00151	0.116595	0.01169	-0.09828
-0.0221	0.6338	-0.09117	0.04894	-0.08189	0.07707	-0.04229	0.36185	-0.07396
-0.06679	0.14956	-0.09636	0.03738	-0.08901	0.05458	0.030869	0.50576	-0.01787
-0.10115	0.02884	0.072664	0.11685	-0.24411	9.18E-08	0.09499	0.04018	-0.35129
-0.05768	0.21343	-0.02986	0.51971	-0.10295	0.02611	0.063294	0.1721	-0.10825

-0.10818	0.01937	-0.08267	0.07429	-0.27983	7.54E-10	0.002774	0.95233	-0.24541
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-0.10747	0.02018	-0.07241	0.11814	-0.28071	6.64E-10	0.000298	0.99487	-0.28361
-0.13847	0.00271	-0.05724	0.21696	-0.19079	3.32E-05	-0.04574	0.32395	-0.2114
-0.07415	0.10952	-0.11998	0.00945	-0.14999	0.00115	-0.10223	0.02717	-0.08532
-0.11493	0.01295	-0.09449	0.04125	-0.2483	5.43E-08	-0.0505	0.27612	-0.23946
-0.11224	0.01523	0.019502	0.67423	-0.24512	8.10E-08	0.093211	0.04408	-0.25232
-0.10429	0.0242	-0.03282	0.47921	-0.26288	8.05E-09	0.033542	0.46961	-0.27051
-0.02341	0.61383	-0.03147	0.49748	-0.22008	1.57E-06	-0.12568	0.00654	-0.20799
0.034455	0.4576	0.07582	0.10174	0.077938	0.09251	0.14976	0.00117	0.103709
-0.03899	0.40049	0.117514	0.01104	-0.01048	0.82126	0.094463	0.0413	-0.03108
-0.06525	0.15917	-0.02035	0.66097	-0.09152	0.04808	-0.03719	0.42265	-0.09775
-0.12432	0.00715	-0.04432	0.33928	-0.17156	0.0002	-0.06068	0.19052	-0.13823
-0.14837	0.0013	-0.12128	0.0087	-0.13785	0.00283	-0.14477	0.00171	-0.13597
-0.11413	0.01359	-0.05638	0.22397	-0.08977	0.05255	-0.03031	0.51356	0.045086
-0.02048	0.65883	0.001089	0.98128	-0.0649	0.16145	0.040663	0.38063	-0.18388
-0.02564	0.58055	0.077379	0.09488	0.012389	0.78945	0.004153	0.92868	-0.28084
-0.08857	0.0558	0.029443	0.52563	-0.23681	2.25E-07	0.144233	0.00178	-0.13385
-0.03758	0.4178	0.110142	0.01726	-0.05509	0.23473	0.119268	0.00989	-0.0822
0.019058	0.68123	0.149675	0.00118	0.060071	0.19503	0.231529	4.22E-07	0.17063
-0.05006	0.28035	0.114345	0.01342	-0.09818	0.03391	0.102187	0.02723	-0.15603
-0.10803	0.01954	-0.08057	0.08197	-0.16145	0.00046	-0.06836	0.14019	-0.08238
-0.15116	0.00105	-0.10668	0.02112	-0.3055	1.52E-11	0.038006	0.41255	-0.10441
-0.0799	0.08457	-0.0955	0.03912	-0.15546	0.00075	-0.01009	0.82784	0.125386
-0.07458	0.10747	-0.0606	0.19112	-0.13226	0.0042	0.056826	0.2203	0.222826
-0.0771	0.09607	0.039316	0.39662	-0.2652	5.88E-09	0.053027	0.25276	-0.13793
0.006269	0.89252	0.059151	0.20197	-0.14234	0.00205	0.161981	0.00044	0.130704
-0.09695	0.03622	-0.01474	0.75079	-0.15909	0.00056	0.085792	0.06396	0.098317
-0.17875	0.0001	-0.19071	3.35E-05	-0.252	3.38E-08	-0.12946	0.00508	-0.00132
-0.09192	0.04711	0.051468	0.26701	-0.18783	4.42E-05	0.136771	0.00306	-0.04353
-0.08094	0.0806	-0.04646	0.31641	-0.27535	1.43E-09	0.04411	0.34153	-0.06833
-0.06464	0.16313	-0.06798	0.14242	-0.28124	6.15E-10	-0.04013	0.38695	-0.06235
-0.00349	0.9401	0.003664	0.93706	0.086141	0.06289	-0.21084	4.31E-06	-0.15592
-0.04209	0.36416	0.028021	0.54582	-0.12709	0.00596	0.125495	0.00662	0.036629
-0.07813	0.09171	0.022026	0.63495	-0.18574	5.39E-05	0.104345	0.02413	-0.01456
-0.07109	0.12502	-0.0477	0.30362	-0.25696	1.77E-08	-0.01342	0.77247	-0.09094
-0.05966	0.19809	-0.04428	0.33969	-0.21562	2.57E-06	0.035867	0.43937	-0.00171
-0.09827	0.03375	-0.08938	0.05358	-0.31621	2.65E-12	-0.00311	0.9466	-0.0836
-0.04884	0.29228	0.057081	0.21824	-0.22675	7.36E-07	0.074473	0.10799	-0.11031
-0.06346	0.17098	0.112765	0.01476	-0.04972	0.28362	0.183576	6.60E-05	0.273644
-0.02811	0.54457	-0.02351	0.61239	-0.14506	0.00167	0.10332	0.02556	0.123771
-0.05357	0.24793	-0.05012	0.2798	-0.13261	0.0041	0.032153	0.48821	0.069748
-0.06067	0.19057	-0.05525	0.23343	-0.1447	0.00172	0.095472	0.03917	0.008351
-0.09195	0.04704	0.066654	0.15039	-0.02461	0.59582	0.134478	0.0036	0.094308

-0.08646	0.06192	0.023283	0.61576	-0.26864	3.66E-09	0.148631	0.00128	-0.08252
0.001821	0.9687	0.018829	0.68486	-0.15678	0.00067	-0.06703	0.14811	-0.16165
-0.08909	0.05436	-0.0815	0.07852	-0.26509	5.97E-09	-0.11632	0.01189	-0.02285
-0.06253	0.17733	0.070272	0.12942	-0.2319	4.04E-07	0.104566	0.02383	-0.03474
0.001025	0.98238	-0.00237	0.95933	-0.24883	5.07E-08	-0.02074	0.6549	-0.12368
-0.09228	0.04624	-0.12959	0.00504	-0.3081	9.99E-12	-0.01429	0.75805	-0.08412
-0.06186	0.18201	0.071793	0.12131	-0.15286	0.00092	0.184189	6.23E-05	-0.03623
0.009359	0.84014	0.031964	0.49078	-0.0969	0.03632	0.080455	0.08242	0.014988
-0.01732	0.70888	-0.04288	0.3552	-0.14074	0.0023	0.092069	0.04675	0.026594
-0.09093	0.04954	0.037635	0.41713	-0.06781	0.14345	0.156529	0.00069	0.088857
-0.07669	0.09788	0.049872	0.28214	-0.22706	7.10E-07	0.066959	0.14853	-0.03949
-0.08755	0.05867	-0.07412	0.10966	-0.24598	7.27E-08	-0.04369	0.34619	-0.00335
-0.01156	0.80318	-0.04248	0.35966	-0.1259	0.00645	0.113974	0.01372	0.150409
-0.07537	0.10381	0.067894	0.14293	-0.17957	9.54E-05	0.136738	0.00307	-0.0396
-0.05759	0.21416	0.003329	0.9428	-0.13387	0.00375	0.077911	0.09262	-0.06114
-0.07653	0.09857	-0.10147	0.02834	-0.15186	0.00099	0.019056	0.68126	0.086104
-0.06025	0.19371	-0.07778	0.09319	-0.22811	6.29E-07	-0.1453	0.00164	-0.01931
-0.15429	0.00082	-0.02606	0.57422	-0.17787	0.00011	0.104451	0.02399	0.113688
-0.07901	0.08811	-0.07682	0.09729	-0.21586	2.50E-06	-0.08444	0.06829	-0.02573
-0.09776	0.03468	-0.00437	0.92491	-0.20914	5.17E-06	0.057512	0.21477	0.021964
0.000641	0.98898	0.169034	0.00024	-0.0387	0.40412	0.249684	4.55E-08	0.105195
-0.16326	0.0004	-0.14229	0.00205	-0.2923	1.19E-10	-0.06089	0.189	0.058043
-0.11686	0.0115	-0.08223	0.07584	-0.29326	1.03E-10	0.040775	0.37932	-0.09799
-0.0683	0.14056	-0.02157	0.64204	-0.14399	0.00181	0.00337	0.9421	-0.06322
-0.09357	0.04328	-0.08932	0.05375	-0.18497	5.79E-05	-0.05767	0.21351	0.049206
-0.03548	0.44433	0.076666	0.09797	-0.13661	0.0031	0.12411	0.00725	-0.06852
-0.05828	0.20872	-0.15653	0.00069	-0.1573	0.00065	0.008667	0.85182	0.063991
-0.06605	0.15416	0.042861	0.35539	-0.17298	0.00017	0.193124	2.65E-05	0.003704
-0.04532	0.32842	-0.03808	0.41164	-0.12784	0.00567	0.023882	0.6067	0.001021
-0.14994	0.00115	-0.01489	0.74831	-0.25372	2.71E-08	0.097657	0.03488	0.079182
-0.17296	0.00017	-0.16502	0.00034	-0.32083	1.22E-12	-0.04949	0.28583	-0.0533
-0.12105	0.00883	-0.02897	0.53224	-0.23792	1.97E-07	0.082157	0.07612	0.058809
-0.12166	0.0085	-0.01988	0.66823	-0.2682	3.89E-09	0.085671	0.06434	-0.04564
-0.15862	0.00058	-0.13489	0.00349	-0.30441	1.81E-11	-0.0013	0.97765	0.032116
-0.12152	0.00857	-0.12649	0.0062	-0.25245	3.19E-08	0.036953	0.42563	0.06894
-0.0986	0.03316	-0.01141	0.80566	-0.2775	1.05E-09	0.039431	0.39523	-0.05611
-0.06544	0.15801	0.055932	0.22766	-0.1216	0.00853	0.174942	0.00014	0.067398
-0.03892	0.40143	-0.00695	0.88091	-0.0484	0.29656	0.150029	0.00115	0.279859
-0.14596	0.00156	-0.03035	0.51294	-0.25032	4.20E-08	0.049492	0.28582	-0.00467
-0.1079	0.01968	-0.04182	0.36726	-0.20743	6.19E-06	0.005774	0.90097	0.094332
-0.12992	0.00492	-0.1574	0.00064	-0.2775	1.05E-09	-0.10982	0.0176	0.0621
-0.07529	0.10415	0.090686	0.05017	-0.11732	0.01117	0.16695	0.00029	0.060227
-0.0777	0.0935	0.032537	0.48304	-0.30552	1.51E-11	0.080701	0.08149	-0.12326
0.004661	0.91998	0.0194	0.67584	-0.03073	0.50764	0.172685	0.00018	0.254015
-0.03107	0.50297	-0.10726	0.02043	-0.25941	1.28E-08	-0.05638	0.22393	-0.07076

-0.05969	0.19788	-0.01254	0.78692	-0.28656	2.81E-10	0.015012	0.74627	-0.06701
0.008181	0.86005	-0.01332	0.77411	0.020693	0.65557	0.088005	0.05738	0.184501
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-0.04295	0.3544	-0.12598	0.00641	-0.25592	2.03E-08	-0.08759	0.05856	0.044735
-0.02578	0.57838	-0.0258	0.57816	-0.1883	4.22E-05	0.084063	0.06953	0.097608
-0.15377	0.00086	-0.13428	0.00365	-0.20371	9.12E-06	-0.00142	0.97557	0.006519
-0.08544	0.06508	-0.11075	0.01665	-0.2596	1.25E-08	-0.06869	0.13827	-0.04091
0.015773	0.73389	-0.0557	0.22956	-0.18073	8.59E-05	-0.06816	0.14139	-0.08277
-0.04246	0.35988	-0.1215	0.00858	-0.12138	0.00865	-0.07322	0.11405	-0.03256
-0.08234	0.07548	-0.12119	0.00875	-0.19582	2.03E-05	-0.05916	0.20189	0.032963
-0.11585	0.01223	0.018767	0.68585	-0.23545	2.65E-07	0.103591	0.02518	-0.01923
-0.0965	0.0371	0.017286	0.70947	-0.08923	0.05397	0.02721	0.55752	-0.04488
-0.01351	0.7709	0.064092	0.16674	-0.09944	0.03167	0.144752	0.00171	0.037022
-0.10877	0.01871	0.012328	0.79046	-0.31408	3.77E-12	0.080512	0.08221	-0.21728
-0.02914	0.52996	0.0311	0.50258	-0.03198	0.49055	0.130277	0.00481	0.057926
-0.03297	0.47717	0.002554	0.9561	-0.20718	6.36E-06	-0.03174	0.49385	0.026889
0.001232	0.97882	-0.10116	0.02883	-0.19694	1.82E-05	-0.02699	0.56071	0.017215
-0.0857	0.06424	-0.24188	1.21E-07	-0.33602	8.66E-14	-0.22022	1.55E-06	-0.12218
-0.03952	0.39422	-0.21378	3.14E-06	-0.19137	3.14E-05	-0.19884	1.50E-05	0.10235
-0.04846	0.29599	-0.11634	0.01187	-0.10598	0.02199	-0.03163	0.49526	0.250046
-0.08098	0.08042	0.07316	0.11436	-0.16983	0.00023	0.107779	0.01982	-0.11336
-0.04733	0.30746	0.07194	0.12055	-0.11342	0.01419	0.199686	1.38E-05	0.055627
-0.10112	0.0289	0.045088	0.33093	-0.28389	4.17E-10	0.106676	0.02113	-0.15518
-0.14056	0.00233	-0.04348	0.34852	-0.14833	0.00131	0.03256	0.48272	0.00879
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-0.08945	0.05338	-0.02834	0.5413	-0.22404	1.00E-06	0.047975	0.30087	-0.00463
-0.03651	0.43126	0.138778	0.00265	-0.10559	0.02249	0.129852	0.00495	-0.07668
-0.03706	0.42429	0.063864	0.16826	-0.1804	8.84E-05	0.058268	0.2088	-0.06792
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-0.09256	0.04559	0.042397	0.36063	-0.22937	5.43E-07	0.155739	0.00073	-0.10741
-0.19496	2.21E-05	-0.09201	0.04688	-0.29325	1.03E-10	-0.00963	0.83556	-0.05176
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-0.10001	0.0307	0.056447	0.2234	-0.20548	7.59E-06	0.137865	0.00283	-0.02422
0.032976	0.47715	0.285306	3.39E-10	0.062229	0.17944	0.36416	4.32E-16	0.101418
-0.06042	0.19247	0.027118	0.55885	-0.24779	5.78E-08	0.014624	0.75261	-0.07648
-0.11511	0.01281	-0.03763	0.4172	-0.27758	1.04E-09	0.030384	0.51247	-0.12439
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-0.0701	0.13037	0.11031	0.01709	-0.17553	0.00014	0.084973	0.06655	-0.12521
-0.13242	0.00415	0.027421	0.55446	-0.19999	1.33E-05	0.113987	0.01371	-0.05368
-0.06897	0.1367	0.094345	0.04156	-0.15749	0.00064	0.108682	0.01881	-0.11551
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-0.11752	0.01104	0.073882	0.11082	-0.10884	0.01863	0.181179	8.24E-05	0.070576
0.034695	0.45447	0.182927	7.01E-05	-0.07578	0.10191	0.22524	8.75E-07	-0.0108
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-0.03663	0.42965	0.058783	0.2048	-0.19524	2.15E-05	0.152251	0.00096	-0.06295
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-0.04683	0.3126	0.071434	0.12318	-0.26456	6.41E-09	0.062009	0.18099	-0.14561
-0.05756	0.21439	0.106613	0.0212	-0.14461	0.00173	0.140343	0.00237	0.077691
-0.06812	0.14159	-0.00442	0.92412	-0.21277	3.50E-06	0.00102	0.98246	0.018169
-0.06052	0.19172	0.071255	0.12413	-0.18227	7.44E-05	0.170152	0.00022	-0.06989
-0.06521	0.15948	0.136471	0.00313	-0.17536	0.00014	0.122348	0.00813	-0.00784
-0.03671	0.42862	0.056538	0.22266	-0.17352	0.00016	0.10295	0.0261	-0.05145
-0.12357	0.00751	0.08991	0.05217	-0.23267	3.69E-07	0.140913	0.00227	-0.0711
-0.18574	5.38E-05	-0.20209	1.08E-05	-0.31931	1.57E-12	-0.04546	0.32699	0.086624
-0.06849	0.13942	-0.00677	0.88393	-0.25228	3.26E-08	0.068048	0.14203	-0.10016
-0.13363	0.00381	-0.00054	0.9908	-0.25037	4.17E-08	0.101716	0.02796	0.016601
-0.14726	0.00142	-0.0061	0.89535	-0.27181	2.36E-09	0.018812	0.68512	-0.14468
-0.0827	0.07419	0.037887	0.41402	-0.16873	0.00025	0.037214	0.42236	0.082036
-0.04191	0.36621	0.077363	0.09495	-0.16598	0.00032	0.181601	7.92E-05	0.026024
-0.11318	0.0144	0.091881	0.04721	-0.21985	1.61E-06	0.137773	0.00285	-0.14518
-0.05033	0.27778	0.060489	0.19193	-0.25117	3.76E-08	0.090594	0.0504	0.032485
-0.05136	0.26803	0.125133	0.00678	-0.15325	0.00089	0.146409	0.00151	-0.20076
-0.11133	0.01609	0.043515	0.34809	-0.18206	7.59E-05	0.10845	0.01906	0.010497
-0.08841	0.05623	0.153816	0.00085	-0.11494	0.01294	0.145803	0.00158	-0.16333
-0.14836	0.0013	0.102499	0.02677	-0.24886	5.05E-08	0.12395	0.00732	-0.18366
-0.11387	0.01381	0.059081	0.20251	-0.25503	2.28E-08	0.148777	0.00126	-0.10265
-0.05061	0.2751	0.210726	4.36E-06	-0.04082	0.37873	0.27739	1.07E-09	0.168268
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-0.03993	0.38932	0.012479	0.78796	-0.15869	0.00058	0.108839	0.01864	0.05116
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-0.10637	0.02151	0.077108	0.09605	-0.10854	0.01897	0.167727	0.00027	-0.03504
-0.14151	0.00217	0.047336	0.30737	-0.24205	1.19E-07	0.063845	0.16839	-0.07635
-0.0643	0.16539	0.18487	5.84E-05	-0.11843	0.01043	0.232165	3.91E-07	-0.04728
-0.13339	0.00388	-0.01943	0.67539	-0.29039	1.59E-10	0.04958	0.28497	-0.12336
-0.14908	0.00123	0.115233	0.01271	-0.16007	0.00052	0.147995	0.00134	0.059455
-0.1063	0.02158	0.114115	0.01361	-0.21706	2.19E-06	0.209351	5.05E-06	-0.05695
-0.0976	0.03498	0.028812	0.53454	-0.09902	0.0324	0.08479	0.06714	0.009237
-0.05198	0.26227	0.023075	0.61892	-0.21155	3.99E-06	0.13475	0.00353	0.040983
-0.12849	0.00542	0.007619	0.86957	-0.32255	9.10E-13	0.053728	0.24654	-0.08593
-0.10931	0.01813	0.095736	0.03863	-0.22582	8.19E-07	0.152766	0.00093	-0.14324
-0.05735	0.21609	0.043731	0.34571	-0.22877	5.83E-07	0.040989	0.37682	-0.07642
-0.09343	0.04359	0.041416	0.37186	-0.18444	6.08E-05	0.078475	0.09028	-0.05503
-0.08359	0.07113	0.090352	0.05102	-0.21315	3.36E-06	0.093745	0.04288	-0.12318
-0.15678	0.00067	-0.05502	0.23534	-0.25639	1.91E-08	0.044646	0.3357	-0.05972
-0.07758	0.09401	0.098516	0.0333	-0.20383	9.01E-06	0.067603	0.14465	-0.11782
-0.09713	0.03588	0.123953	0.00732	-0.24614	7.12E-08	0.144198	0.00178	-0.18903
-0.06404	0.16711	0.085357	0.06533	-0.16137	0.00046	0.191758	3.02E-05	-0.00427
-0.09512	0.03991	0.045937	0.3219	-0.29983	3.72E-11	0.039043	0.39991	-0.24867
-0.0942	0.04188	0.123462	0.00756	-0.21468	2.85E-06	0.199965	1.34E-05	-0.03406



-0.11452	0.01328	0.123539	0.00752	-0.19187	2.99E-05	0.220315	1.53E-06	-0.10375
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-0.12979	0.00497	0.038787	0.40301	-0.31719	2.25E-12	0.05927	0.20106	-0.22101
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-0.09341	0.04363	0.032604	0.48213	-0.25047	4.11E-08	0.042677	0.35747	-0.12886
0.022103	0.63376	0.097824	0.03457	-0.20125	1.17E-05	0.099163	0.03215	-0.04059
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-0.11847	0.0104	0.054133	0.24299	-0.09866	0.03304	0.111997	0.01546	-0.05102
-0.11201	0.01545	0.101048	0.02901	-0.1347	0.00354	0.184801	5.88E-05	0.098368
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-0.10614	0.02178	0.052635	0.25629	-0.13989	0.00245	0.11381	0.01386	0.063544
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0.010213	0.82577	0.223664	1.05E-06	-0.00357	0.9386	0.224798	9.21E-07	0.09827
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-0.08246	0.07503	0.049369	0.28703	-0.16888	0.00025	0.095889	0.03832	-0.12819
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0.004123	0.92919	-0.00266	0.95436	-0.23878	1.77E-07	0.109972	0.01744	-0.06594
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-0.10283	0.02627	-0.05204	0.26167	-0.27919	8.26E-10	0.047317	0.30756	-0.10474
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0.055617	0.2303	0.069576	0.13327	0.140064	0.00242	0.022501	0.62767	0.143376
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0.001961	0.96629	0.000591	0.98984	0.026202	0.57221	-0.05123	0.2692	0.059835
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-0.01066	0.81836	0.011328	0.80711	0.048689	0.29373	0.020198	0.6633	0.19381
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-0.04101	0.37657	-0.0346	0.45572	-0.05756	0.21441	-0.1075	0.02015	0.104972
-0.05912	0.2022	-0.06281	0.17537	0.041038	0.37624	-0.01669	0.71908	0.125676
-0.02812	0.54442	-0.00846	0.85531	0.004061	0.93026	-0.04826	0.29802	0.118879
0.01874	0.68627	0.07667	0.09796	0.043038	0.35341	0.179956	9.21E-05	0.024834
-0.01035	0.82354	0.058374	0.20797	-0.00119	0.9796	-0.05678	0.22069	-0.03658
0.005971	0.8976	0.017918	0.69935	0.04537	0.32791	-0.03638	0.43291	0.167391
-0.06621	0.15311	-0.06681	0.14941	0.007585	0.87015	-0.09177	0.04748	0.113024
0.026259	0.57137	0.053815	0.24578	0.102562	0.02667	0.147179	0.00143	0.227184
-0.12118	0.00876	-0.06228	0.17909	-0.03854	0.40596	-0.07517	0.10472	0.155365
-0.03842	0.40754	0.001892	0.96748	0.046559	0.31538	0.018455	0.6908	0.087432
-0.03806	0.41195	-0.05887	0.20412	-0.01163	0.80214	-0.02575	0.5789	0.190193
0.058504	0.20696	0.058231	0.20909	0.139534	0.00251	0.126574	0.00616	0.247075
-0.08116	0.07978	-0.05167	0.26512	-0.01456	0.75373	-0.04719	0.30884	0.270347
-0.01631	0.72523	-0.08021	0.08336	0.025385	0.58425	-0.01073	0.81716	0.168002
-0.04711	0.30969	-0.03598	0.43792	-0.00969	0.83462	-0.00722	0.87642	0.029187
-0.14002	0.00242	-0.05588	0.22806	-0.12353	0.00752	-0.02371	0.60929	0.087298
-0.06975	0.13229	-0.11012	0.01729	-0.05297	0.25328	-0.08033	0.0829	0.037714
-0.02544	0.58339	0.033499	0.47018	-0.04459	0.33635	0.07276	0.11636	0.165416
-0.09978	0.0311	-0.12166	0.00849	-0.1492	0.00122	-0.11664	0.01165	-0.02408
-0.00517	0.9113	-0.15896	0.00056	-0.02236	0.62978	-0.1973	1.75E-05	0.199536
-0.04475	0.33461	-0.0994	0.03174	0.038408	0.40762	-0.06346	0.171	0.084019
-0.04966	0.28418	-0.05476	0.2376	-0.07286	0.11587	-0.02894	0.53277	0.127168
-0.04638	0.31721	0.044118	0.34145	0.058202	0.20932	0.08851	0.05596	0.28149
-0.06798	0.14241	-0.04717	0.30905	-0.08903	0.05454	-0.09289	0.04483	0.199045
-0.04192	0.3661	-0.09792	0.0344	0.003427	0.94113	-0.10171	0.02797	0.151137
-0.01779	0.70145	-0.07455	0.10761	-0.11537	0.01261	0.013922	0.76413	0.124299
-0.05391	0.24497	-0.01702	0.71368	-0.05399	0.24422	-0.00616	0.89442	0.059054
-0.05652	0.22283	0.021947	0.63617	0.043663	0.34646	-0.04115	0.37495	-0.01613
-0.02384	0.60728	-0.04145	0.37148	0.009915	0.83079	-0.1332	0.00393	-0.06082
-0.02729	0.55637	-0.07558	0.10285	-0.03436	0.4588	-0.05695	0.21931	0.163596
-0.08964	0.0529	-0.01668	0.71922	-0.08338	0.07185	-0.04648	0.31615	-0.0106
-0.05676	0.22081	0.022929	0.62114	-0.05483	0.23696	0.022617	0.6259	0.04548
-0.07013	0.13018	-0.18629	5.11E-05	0.008845	0.84881	-0.16465	0.00035	0.13527
-0.08556	0.06469	-0.09064	0.05029	-0.04629	0.31819	-0.12159	0.00853	0.07369
-0.05001	0.28078	-0.11339	0.01422	-0.08004	0.08401	-0.09174	0.04754	0.091319
-0.07697	0.09664	-0.05479	0.2373	-0.03585	0.43964	-0.12771	0.00571	0.056592
-0.08294	0.07334	-0.04895	0.2911	-0.09634	0.03742	-0.07874	0.08921	-0.06508
0.089368	0.05361	-0.0052	0.9107	0.087704	0.05824	-0.02659	0.56648	0.225264
-0.06788	0.143	-0.08198	0.07677	0.039086	0.39939	-0.14243	0.00203	0.130923
-0.10905	0.0184	-0.13723	0.00296	-0.06046	0.19213	-0.09846	0.0334	0.24918

-0.05946	0.19961	-0.06161	0.1838	-0.01864	0.68788	-0.03341	0.47142	0.131041
-0.08341	0.07172	-0.06999	0.13099	0.019111	0.6804	-0.1624	0.00043	0.161201
-0.09538	0.03936	-0.15114	0.00105	0.015928	0.73137	-0.13939	0.00254	0.169611
-0.13015	0.00485	-0.07916	0.08749	-0.04743	0.30637	-0.14123	0.00222	0.108042
-0.0841	0.06941	-0.13607	0.00321	-0.02027	0.66222	-0.12086	0.00894	0.222805
-0.09843	0.03345	-0.02091	0.65213	-0.08717	0.05979	-0.07757	0.09407	0.103003
-0.02088	0.65267	-0.01842	0.69142	0.000139	0.9976	-0.04397	0.34302	0.079306
-0.06833	0.14036	-0.10049	0.02991	0.020492	0.65871	-0.01805	0.69728	0.260257
-0.02391	0.60629	-0.05167	0.26512	0.024974	0.59034	-0.02933	0.52728	0.154904
-0.02186	0.63748	0.023959	0.60555	0.071203	0.12441	0.026277	0.5711	0.211831
-0.06833	0.14037	-0.00068	0.98823	-0.05616	0.22573	0.05009	0.28004	0.120262
-0.07603	0.10082	-0.00777	0.86693	0.058575	0.20641	0.023743	0.6088	0.146139
-0.05804	0.21061	-0.10101	0.02907	-0.06626	0.15279	-0.14663	0.00149	-0.02095
-0.00796	0.86377	-0.02861	0.53747	-0.05445	0.24022	0.021757	0.63909	0.130017
-0.06145	0.18496	-0.03845	0.40712	-0.037	0.425	-0.00759	0.87005	0.166975
0.013615	0.76919	0.083346	0.07195	0.100632	0.02968	0.051767	0.26423	0.166194
0.040348	0.38432	-0.03436	0.45886	0.02749	0.55346	-0.12194	0.00834	0.091455
-0.02199	0.63546	0.046838	0.31249	-0.03334	0.47232	0.059585	0.19867	0.067654
0.003626	0.93771	-0.04841	0.29648	0.061901	0.18175	0.000999	0.98283	0.204089
-0.04934	0.28732	-0.05287	0.25418	0.077881	0.09275	-0.0954	0.03933	0.165778
-0.04955	0.28524	-0.04431	0.3394	-0.01352	0.77081	-0.00454	0.92213	0.126317
-0.03628	0.43406	-0.11729	0.01119	-0.063	0.17408	-0.09225	0.04631	0.117011
-0.02299	0.62023	0.025578	0.58139	0.189093	3.91E-05	0.063295	0.17209	0.277512
-0.0279	0.54753	-0.04895	0.29112	0.079517	0.08607	-0.08672	0.06114	0.249136
-0.03264	0.48171	-0.02516	0.58752	0.023024	0.61969	-0.02703	0.56017	0.233842
-0.01349	0.77119	0.058958	0.20345	0.079389	0.08658	-0.00907	0.84495	0.191227
-0.03496	0.45109	0.01303	0.77884	0.048503	0.29558	0.093962	0.0424	0.190536
-0.0218	0.6384	0.215286	2.67E-06	0.045249	0.3292	0.184009	6.33E-05	-0.06093
-0.01768	0.70309	-0.03399	0.46371	0.066191	0.15325	-0.13599	0.00323	0.056068
-0.01906	0.68117	-0.06534	0.1586	0.073262	0.11386	-0.08726	0.05953	0.262571
0.059747	0.19745	0.060132	0.19458	-0.01192	0.79723	-0.00681	0.88337	0.073071
-0.09973	0.03117	-0.08563	0.06448	-0.07332	0.11356	-0.08873	0.05535	0.113218
-0.0582	0.20931	0.058025	0.2107	-0.08399	0.06977	0.011689	0.80109	-0.12129
-0.00227	0.96094	-0.10329	0.02561	-0.01609	0.72878	-0.06596	0.15472	0.100768
0.000649	0.98884	0.204289	8.59E-06	0.097564	0.03505	0.171858	0.00019	-0.0628
-0.1053	0.02286	-0.09188	0.0472	0.011312	0.80738	-0.13384	0.00376	0.087671
-0.02491	0.5913	-0.07489	0.10605	0.004813	0.91738	-0.18057	8.71E-05	0.165153
-0.0227	0.62469	-0.11026	0.01715	-0.017	0.71402	-0.14104	0.00225	0.155457
-0.08207	0.07642	-0.07519	0.10461	-0.03649	0.43149	-0.07247	0.11785	0.065013
0.005719	0.9019	0.148762	0.00126	0.013669	0.7683	0.052446	0.25801	0.086541
-0.06758	0.14481	-0.02249	0.62779	0.051298	0.26859	-0.0561	0.22629	0.202127
-0.03255	0.48279	-0.05544	0.23178	0.076915	0.09689	0.014304	0.75785	0.146654
-0.02626	0.57135	-0.08445	0.06824	0.044162	0.34096	-0.11448	0.01331	0.181648
-0.07096	0.1257	-0.0219	0.63686	-0.00276	0.95259	-0.06216	0.17993	0.125022
0.032835	0.47904	0.024315	0.6002	0.074645	0.10718	0.102589	0.02663	0.126798

-0.10263	0.02658	-0.0277	0.55047	-0.09293	0.04472	0.075249	0.10435	0.110898
0.00196	0.9663	-0.10132	0.02857	0.070557	0.12787	-0.08833	0.05646	0.232413
-0.08533	0.06543	-0.1936	2.53E-05	-0.20337	9.45E-06	-0.10701	0.02072	-0.03936
-0.03891	0.40147	0.054086	0.2434	0.166495	0.0003	0.118133	0.01062	0.280425
-0.00991	0.8309	-0.04548	0.32673	0.070097	0.13038	-0.05239	0.25848	0.319083
0.009933	0.83047	0.07803	0.09213	0.077937	0.09252	-0.02855	0.5382	0.065505
-0.04362	0.34688	-0.03033	0.51326	-0.03894	0.4011	-0.01875	0.68608	0.019804
-0.00733	0.87454	0.009064	0.84512	0.071076	0.12508	0.009331	0.84062	0.222729
-0.09512	0.0399	-0.07757	0.09408	-0.07162	0.1222	-0.02058	0.65732	0.107942
-0.00906	0.84522	-0.06142	0.18517	0.05657	0.22239	-0.1624	0.00043	0.063472
0.068298	0.14056	0.0803	0.08302	0.134525	0.00358	0.008707	0.85115	0.183512
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-0.04171	0.36852	-0.07035	0.12901	-0.05051	0.27606	-0.0227	0.62463	0.000697
-0.04459	0.3363	-0.02513	0.58801	-0.06476	0.16237	0.077387	0.09485	0.066695
0.005575	0.90436	-0.05033	0.27777	0.025824	0.57777	-0.01189	0.7977	0.166358
-0.01596	0.73091	0.014792	0.74986	0.05298	0.25319	0.0757	0.10229	0.205935
-0.08008	0.08386	-0.01576	0.73415	-0.06176	0.18277	-0.01712	0.71212	0.105285
-0.08033	0.08288	-0.11824	0.01055	-0.1375	0.00291	-0.05076	0.27367	0.014915
-0.065	0.16078	0.089534	0.05317	0.08894	0.05477	0.071855	0.12099	0.086048
-0.0655	0.15757	-0.05094	0.27191	-0.00403	0.93078	0.009945	0.83028	0.251717
-0.05082	0.27308	-0.12181	0.00841	0.018603	0.68845	-0.13294	0.004	0.206108
0.001489	0.97439	-0.01154	0.80353	0.006986	0.88032	0.039119	0.39899	0.252934
-0.04586	0.32269	-0.13375	0.00378	0.003158	0.94574	-0.09766	0.03486	0.288981
-0.03642	0.43233	0.012527	0.78717	0.01865	0.6877	0.016963	0.71465	0.237115
-0.05461	0.23882	-0.1172	0.01126	-0.01909	0.68072	-0.10702	0.02071	0.259609
0.021216	0.64745	0.048658	0.29404	-0.02732	0.5559	-0.02216	0.63296	-0.02977
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0.024076	0.60379	-0.04326	0.35091	0.061271	0.18625	-0.03342	0.47121	0.10555
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0.014356	0.75701	-0.15041	0.00111	-0.01029	0.82449	-0.11303	0.01453	0.148219
0.051325	0.26834	-0.03721	0.4224	0.059416	0.19995	-0.07482	0.10636	0.152545
-0.13544	0.00336	-0.08896	0.05471	-0.07575	0.10207	-0.03411	0.46209	0.116692
-0.03825	0.40954	-0.01892	0.68337	-0.02906	0.53099	-0.04394	0.34344	0.074895
-0.04841	0.29646	0.020518	0.6583	0.012681	0.7846	0.021449	0.64385	0.089713
-0.00818	0.85998	-0.00939	0.83965	0.068319	0.14044	0.021014	0.65059	0.233946
-0.07292	0.11555	-0.02424	0.60136	-0.12511	0.00679	-0.03445	0.45764	-0.10202
-0.02421	0.60173	0.150431	0.00111	-0.02296	0.62061	0.028971	0.53228	-0.22607
-0.06059	0.19117	-0.12682	0.00606	-0.11712	0.01131	-0.14657	0.00149	-0.01456
-0.01428	0.7583	0.100825	0.02936	-0.00452	0.92239	0.049712	0.28369	-0.01903
-0.04082	0.37884	-0.00091	0.98436	0.099142	0.03219	0.030049	0.51713	0.255518
-0.07599	0.10099	0.042095	0.36406	-0.09355	0.04332	0.065344	0.15859	-0.0988
-0.04392	0.3436	-0.06322	0.17258	0.002768	0.95243	-0.07739	0.09485	0.127693
0.007123	0.87799	0.144434	0.00175	0.111564	0.01587	0.179922	9.24E-05	0.144976
-0.10692	0.02083	-0.09386	0.04263	-0.01485	0.7489	-0.08816	0.05694	-0.02681
-0.06139	0.1854	-0.07446	0.10805	-0.0221	0.63383	-0.08395	0.06992	0.174889

0.060249	0.19371	-0.07005	0.13065	0.004469	0.92327	-0.06361	0.16999	0.180522
0.038221	0.40991	0.073775	0.11134	0.097405	0.03535	0.151241	0.00104	0.157635
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-0.02515	0.58778	0.056445	0.22342	0.128377	0.00546	0.06442	0.16458	0.220728
-0.01321	0.77593	-0.01203	0.79539	0.061979	0.1812	0.036244	0.43457	0.153492
-0.05442	0.24047	0.13859	0.00269	0.132761	0.00405	0.131239	0.0045	0.263639
-0.05901	0.20304	0.124524	0.00705	0.087096	0.06001	0.140849	0.00228	0.207602
-0.05604	0.22673	-0.02669	0.56513	0.126881	0.00604	-0.09342	0.04361	0.229517
-0.02041	0.65993	-0.00711	0.87828	0.063456	0.171	-0.08812	0.05704	0.091693
-0.05169	0.26499	-0.04116	0.37484	-0.07789	0.09273	-0.06582	0.15557	0.175236
-0.03345	0.4708	0.08037	0.08275	0.075207	0.10455	-0.00116	0.97998	0.181298
-0.0976	0.03498	0.038972	0.40076	0.039117	0.39901	-0.04294	0.35446	-0.02295
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0.010586	0.81952	0.000303	0.9948	0.12173	0.00845	0.053103	0.25209	0.253834
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-0.12964	0.00502	-0.15183	0.001	-0.0992	0.0321	-0.04634	0.31761	0.175579
-0.04791	0.30149	-0.0237	0.6094	-0.03361	0.46869	-0.03775	0.41572	0.017255
-0.10636	0.02152	-0.1074	0.02026	0.01903	0.68168	-0.08909	0.05437	0.266861
-0.03048	0.51114	-0.13008	0.00487	-0.07752	0.09428	-0.14101	0.00225	-0.02876
0.075099	0.10505	0.128009	0.0056	0.20363	9.20E-06	0.028632	0.53709	0.075789
-0.05831	0.20846	-0.08416	0.06919	-0.11419	0.01354	-0.00871	0.85112	0.181002
-0.08358	0.07115	0.005976	0.89752	-0.10467	0.0237	-0.03544	0.44488	0.057826
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-0.046	0.32124	-0.07214	0.11949	0.061483	0.18472	-0.06091	0.18883	0.239261
0.03164	0.49518	-0.06692	0.14876	-0.03595	0.43826	-0.11302	0.01454	0.099413
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-0.006	0.89715	-0.11182	0.01563	0.009348	0.84033	-0.06646	0.15161	0.033713
-0.01253	0.78706	-0.07321	0.1141	0.01451	0.75448	0.010251	0.82514	0.250343
0.008135	0.86083	0.012947	0.78021	0.04575	0.32388	-0.01454	0.75398	-0.0182
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-0.05018	0.27922	-0.02581	0.57794	-0.04749	0.30581	0.06109	0.18755	-0.03478
-0.08983	0.05238	-0.11739	0.01112	-0.06508	0.16026	-0.03026	0.51425	0.222344
-0.09504	0.04007	-0.13696	0.00302	-0.03861	0.40519	-0.18806	4.32E-05	0.161207
-0.00927	0.84158	0.051141	0.27006	0.142962	0.00195	0.08704	0.06018	0.198188
-0.02839	0.54061	-0.02373	0.60892	0.04187	0.36663	-0.09358	0.04324	0.232321
-0.05689	0.21978	-0.05435	0.24106	-0.04412	0.3414	-0.00589	0.89891	0.031563
-0.03236	0.48543	-0.0149	0.7481	0.004225	0.92744	-0.07481	0.10641	0.069927
-0.0784	0.0906	-0.09429	0.04169	-0.0809	0.08072	-0.08613	0.06291	0.021695
0.001536	0.97358	-0.10899	0.01848	0.097794	0.03462	-0.17495	0.00014	0.182976
-0.02261	0.62603	-0.04981	0.28274	0.010389	0.82283	-0.04641	0.31697	0.218607
-0.09803	0.03418	-0.18444	6.09E-05	-0.13552	0.00334	-0.09108	0.04916	0.095747
-0.09442	0.0414	-0.02758	0.55217	-0.04426	0.33994	0.033411	0.47135	0.149451
-0.04982	0.28264	-0.00305	0.94757	0.01648	0.72244	0.009758	0.83342	0.05254
-0.02093	0.65193	0.001856	0.96809	0.044504	0.33723	0.016171	0.72742	0.084888
-0.01074	0.81694	0.044709	0.33501	0.055389	0.23221	0.027079	0.55941	0.060431

-0.05854	0.20667	-0.14015	0.0024	0.00059	0.98985	-0.19383	2.47E-05	0.192918
-0.04316	0.35208	-0.06764	0.14445	0.023113	0.61834	-0.09976	0.03112	0.248183
-0.084	0.06975	-0.14401	0.00181	-0.00278	0.95231	-0.14386	0.00183	0.192027
-0.09605	0.038	-0.08181	0.07738	-0.0319	0.49165	-0.10109	0.02894	0.177762
-0.06365	0.16968	-0.11287	0.01467	0.066331	0.15239	-0.09759	0.03499	0.273779
-0.10429	0.02421	0.008695	0.85134	-0.04069	0.38027	0.03031	0.51349	0.082942
0.008704	0.8512	-0.01511	0.74468	0.132572	0.00411	-0.04677	0.31316	0.190448
0.013193	0.77614	-0.05548	0.23141	-0.05499	0.23561	0.030045	0.51719	0.098761
-0.06292	0.17462	-0.11089	0.01652	0.05972	0.19766	-0.05367	0.24707	0.285865
-0.03625	0.43446	-0.06378	0.1688	0.02625	0.5715	-0.09233	0.04612	0.198465
-0.05002	0.28076	-0.12515	0.00677	-0.09374	0.04289	-0.10486	0.02344	0.024726
-0.09815	0.03396	-0.13903	0.0026	-0.04676	0.31334	-0.1192	0.00993	0.175882
-0.06371	0.16927	-0.05243	0.25814	-0.01011	0.82756	-0.05893	0.20367	0.10431
0.071777	0.12139	0.013384	0.77299	0.17868	0.0001	-0.0095	0.8378	0.200604
-0.06106	0.18779	-0.08078	0.0812	-0.09276	0.04511	-0.11913	0.00997	-0.07198
0.007211	0.8765	0.058157	0.20967	0.081847	0.07724	-0.01248	0.78801	0.125081
-0.04257	0.35872	0.003493	0.93999	0.008565	0.85354	-0.04153	0.37055	0.047457
-0.03455	0.45642	-0.06541	0.15815	-0.04952	0.28551	-0.09811	0.03404	0.01352
-0.0167	0.71888	-0.07366	0.1119	0.036595	0.43013	0.004641	0.92033	0.306093
-0.06001	0.19552	-0.03436	0.45887	-0.11414	0.01358	-0.03176	0.4935	-0.03876
-0.02654	0.56724	0.091562	0.04798	0.032934	0.47771	0.04758	0.30487	0.033192
-0.02048	0.65888	-0.13161	0.00439	-0.00779	0.86661	-0.03337	0.47185	0.240073
-0.02269	0.62477	-0.0895	0.05325	-0.06391	0.16797	-0.0503	0.27806	0.069736
-0.01365	0.76858	0.018623	0.68812	0.070765	0.12675	0.073105	0.11464	0.275846
-0.05111	0.27031	-0.06764	0.14441	0.021205	0.64763	-0.10705	0.02068	0.060121
-0.04196	0.36558	0.026868	0.56248	-0.0346	0.45566	-0.03447	0.45736	0.048048
-0.01929	0.67756	-0.00496	0.91483	-0.04746	0.30608	0.059577	0.19873	0.054646
-0.04065	0.38079	-0.10199	0.02754	-0.02074	0.65489	-0.05661	0.22207	0.206741
-0.02518	0.58734	-0.06862	0.13868	-0.02587	0.57709	-0.09482	0.04053	0.154834
-0.0907	0.05014	-0.05212	0.26102	-0.06309	0.17351	-0.02304	0.61948	0.100014
-0.09083	0.04981	-0.21063	4.41E-06	-0.05061	0.27503	-0.17105	0.0002	0.270823
-0.01722	0.71048	-0.12657	0.00617	0.039619	0.39299	-0.08337	0.07187	0.321743
-0.0623	0.17895	-0.13162	0.00438	-0.27556	1.39E-09	-0.13276	0.00405	-0.1812
-0.00768	0.86853	0.000149	0.99744	-0.06528	0.15901	0.087777	0.05803	0.184028
-0.06034	0.19301	0.005672	0.90271	-0.04691	0.31175	0.082702	0.07419	0.140423
0.01187	0.79808	-0.09449	0.04124	0.013396	0.77279	-0.02642	0.56899	0.201018
-0.02191	0.63672	-0.04801	0.30052	-0.01126	0.80827	-0.01318	0.77644	0.15483
0.012127	0.79381	-0.09361	0.04318	0.178767	0.0001	-0.03146	0.49761	0.287027
-0.05183	0.26362	-0.13594	0.00324	-0.04169	0.36869	-0.18539	5.57E-05	0.187197
-0.0405	0.38254	-0.03469	0.45458	-0.06301	0.17405	-0.04208	0.36419	-0.05561
-0.03748	0.4191	-0.0632	0.17273	0.021261	0.64675	-0.10101	0.02906	0.158203
-0.07622	0.09994	-0.16013	0.00051	-0.05813	0.2099	-0.14086	0.00228	0.191208
-0.03897	0.40081	-0.11345	0.01417	0.084567	0.06787	-0.14095	0.00227	0.192456
0.037987	0.41279	0.085696	0.06426	0.150162	0.00113	0.006302	0.89196	0.173056
0.071171	0.12458	0.056113	0.22616	0.102	0.02752	0.058893	0.20395	0.14554



-0.05857	0.20644	-0.09938	0.03177	-0.08128	0.0793	-0.19334	2.59E-05	0.092859
-0.1095	0.01792	0.011902	0.79754	-0.22711	7.06E-07	-0.0332	0.47416	-0.22174
0.026893	0.56211	-0.01504	0.74584	0.136622	0.00309	-0.14445	0.00175	-0.04557
0.063995	0.16739	-0.00043	0.99261	0.098463	0.0334	-0.09801	0.03422	-0.09235
0.145263	0.00165	0.079047	0.08795	0.228369	6.10E-07	-0.02839	0.54061	-0.04536
0.022941	0.62096	0.040652	0.38076	0.16362	0.00038	-0.05197	0.26237	-0.06781
0.070629	0.12748	0.07056	0.12785	0.186373	5.07E-05	-0.03313	0.47508	-0.06413
-0.02883	0.53432	-0.15013	0.00114	-0.08598	0.0634	-0.08098	0.08045	0.054539
0.0808	0.08111	0.058817	0.20454	0.231128	4.42E-07	-0.06234	0.17866	-0.06047
0.191602	3.07E-05	0.31647	2.53E-12	0.385146	5.81E-18	0.148316	0.00131	0.054928
-0.16184	0.00045	0.028017	0.54588	-0.18223	7.47E-05	0.078059	0.09201	0.072254
-0.17427	0.00015	-0.05793	0.21148	-0.0704	0.1287	-0.1187	0.01025	-0.06607
0.024529	0.59699	0.126982	0.006	0.232899	3.59E-07	0.003345	0.94253	0.016526
0.225221	8.77E-07	0.146672	0.00148	0.277073	1.12E-09	0.113445	0.01417	0.008328
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0.067026	0.14812	-0.05969	0.1979	0.033481	0.47042	-0.06687	0.14909	0.114315
0.120357	0.00923	0.163614	0.00038	0.333445	1.37E-13	0.088395	0.05628	0.168573
0.0596	0.19856	0.043387	0.34952	0.044996	0.33192	-0.00369	0.93657	-0.0375
0.045378	0.32783	-0.12424	0.00719	0.015339	0.74093	-0.16844	0.00026	0.104221
-0.02397	0.60537	0.122579	0.00801	0.125543	0.0066	0.01478	0.75007	-0.18719
0.007474	0.87203	-0.0777	0.0935	-0.06351	0.17064	-0.1147	0.01313	-0.05188
-0.03435	0.45901	0.095927	0.03824	0.094043	0.04222	-0.00528	0.90943	-0.15096
-0.04828	0.29782	-0.01689	0.71585	0.065255	0.15916	-0.1083	0.01924	0.008546
-0.08719	0.05974	-0.19841	1.57E-05	-0.17968	9.45E-05	-0.13222	0.00421	-0.04273
0.026808	0.56335	-0.04957	0.2851	-0.17413	0.00016	-0.01172	0.80062	-0.05251
0.034906	0.45173	-0.03397	0.46392	-0.07933	0.0868	-0.07875	0.08917	-0.06217
0.032107	0.48884	-0.06999	0.13098	0.071614	0.12224	-0.19257	2.79E-05	-0.08893
0.025217	0.58673	-0.04646	0.31646	-0.05117	0.26983	-0.09655	0.03701	-0.02416
-0.04392	0.34361	-0.02987	0.51966	0.156438	0.00069	-0.02948	0.52507	0.218355
0.014144	0.76048	0.045442	0.32715	0.027731	0.54998	-0.03207	0.48933	-0.12308
0.002812	0.95167	-0.09467	0.04086	0.0453	0.32866	-0.21262	3.56E-06	0.00253
-0.01749	0.70613	0.089252	0.05393	0.176689	0.00012	0.058355	0.20812	-0.03362
-0.01483	0.74919	0.005325	0.90862	0.124037	0.00728	-0.01048	0.82124	0.037688
0.202479	1.04E-05	0.097372	0.03541	0.249031	4.94E-08	0.090637	0.05029	0.162977
0.087361	0.05924	0.143093	0.00194	0.095793	0.03852	0.022225	0.63189	-0.10737
0.058876	0.20408	0.005497	0.9057	0.091025	0.04931	-0.08694	0.06047	0.043472
0.111558	0.01587	-0.04628	0.31832	0.007875	0.86523	-0.10966	0.01776	-0.01954
0.038197	0.4102	0.034947	0.45119	0.1674	0.00028	0.008698	0.8513	0.151195
0.010204	0.82594	-0.02308	0.61892	0.026873	0.5624	-0.00089	0.98465	0.135649
0.084071	0.0695	0.131869	0.00431	0.196898	1.82E-05	0.094573	0.04107	0.19255
0.042299	0.36174	-0.05176	0.26433	0.010553	0.82007	-0.09349	0.04345	-0.01036
0.046423	0.3168	0.027223	0.55733	0.116411	0.01182	-0.04623	0.31886	-0.08481
0.103217	0.02571	0.066014	0.15436	0.087772	0.05805	0.017245	0.71012	0.068431
0.039602	0.39319	0.091516	0.0481	-0.00434	0.92553	0.102915	0.02615	0.125481
0.108908	0.01856	-0.09646	0.03718	-0.00851	0.85454	-0.10708	0.02064	0.005408

-0.04711	0.30972	0.04939	0.28682	-0.00672	0.88484	-0.08656	0.06161	-0.22254
-0.10179	0.02784	0.022534	0.62717	-0.0744	0.10833	0.018523	0.68971	0.001758
0.146407	0.00151	0.095529	0.03906	0.235474	2.64E-07	0.035611	0.44265	-0.00636
-0.00889	0.848	0.095457	0.0392	0.142334	0.00205	-0.00558	0.90433	0.03161
0.02018	0.66359	0.008049	0.86228	0.097692	0.03481	-0.07069	0.12714	-0.16489
0.079981	0.08425	0.034422	0.45803	0.008422	0.85596	0.048388	0.29673	0.075612
-0.1646	0.00035	-0.07374	0.11154	-0.09067	0.05021	0.072742	0.11645	0.266574
-0.07564	0.10258	-0.13779	0.00285	-0.24381	9.53E-08	-0.03216	0.48817	-0.00144
0.084794	0.06713	0.020015	0.66617	0.244746	8.48E-08	-0.02675	0.56424	0.097275
-0.12035	0.00923	-0.038	0.4126	-0.05373	0.24648	0.064227	0.16585	0.188519
0.152192	0.00097	0.052583	0.25677	0.309239	8.32E-12	-0.01751	0.70591	0.061122
0.105804	0.02221	0.020743	0.65479	0.101293	0.02862	-0.07862	0.0897	0.030811
0.113305	0.01429	0.128431	0.00544	0.300796	3.20E-11	-0.00027	0.99535	-0.03186
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0.079215	0.08728	0.06666	0.15036	0.148321	0.00131	0.011425	0.8055	0.021346
0.02249	0.62785	0.036988	0.42519	0.109646	0.01777	-0.06068	0.19051	-0.01987
-0.04092	0.37766	0.126626	0.00614	0.165581	0.00033	0.002477	0.95743	-0.16346
-0.08019	0.08346	-0.09138	0.04843	-0.01991	0.66777	-0.1243	0.00716	0.026304
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0.000103	0.99822	-0.12044	0.00918	-0.0205	0.65857	-0.11244	0.01506	0.069786
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0.101949	0.0276	0.059606	0.19852	-0.02314	0.61794	0.004543	0.922	-0.2779
0.122103	0.00825	0.006331	0.89147	0.207744	5.99E-06	-0.08671	0.06115	0.086408
0.027084	0.55934	-0.09479	0.04061	0.05261	0.25652	-0.19197	2.96E-05	-0.07115
0.016718	0.71859	-0.08845	0.05613	0.074242	0.10909	-0.13447	0.0036	-0.05228
0.087428	0.05904	0.036622	0.42978	0.119875	0.00952	-0.01569	0.73522	0.119508
0.071938	0.12055	0.016109	0.72844	0.098925	0.03257	-0.09142	0.04834	-0.04333
0.050852	0.27278	0.033694	0.4676	0.179148	9.92E-05	0.078511	0.09013	0.255629
0.029529	0.52442	0.013414	0.77249	0.009746	0.83362	-0.09787	0.03447	-0.12499
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0.001985	0.96588	0.042438	0.36016	0.081574	0.07823	-0.09768	0.03483	-0.10901
0.132289	0.00419	-0.08857	0.05579	0.086192	0.06273	-0.12476	0.00694	0.102099
-0.04426	0.33991	0.087348	0.05928	-0.05263	0.25638	0.168079	0.00026	0.137046
0.053844	0.24552	0.101016	0.02906	0.241036	1.34E-07	-0.03529	0.44676	-0.13371
0.073304	0.11365	0.172953	0.00017	0.197496	1.72E-05	0.1642	0.00037	0.063516
0.062355	0.17856	0.113699	0.01395	0.167713	0.00027	0.020776	0.65429	-0.11827
0.095525	0.03906	-0.03614	0.43595	0.115112	0.0128	-0.05204	0.26167	-0.00853
-0.08866	0.05555	-0.02443	0.59848	-0.14459	0.00173	0.046745	0.31345	-0.06279
0.012399	0.78929	0.012798	0.78267	0.099659	0.0313	-0.07371	0.11167	0.034639
0.035277	0.44694	-0.06612	0.15372	0.042659	0.35766	-0.16141	0.00046	-0.09272
0.041104	0.37548	-0.03395	0.46422	0.016265	0.72591	-0.01948	0.6746	0.078798
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0.006736	0.88456	0.148022	0.00134	0.105645	0.02241	0.070759	0.12678	-0.14454
0.038505	0.40643	-0.02188	0.63713	0.150037	0.00115	-0.11227	0.01521	0.037522

0.057306	0.21642	0.008751	0.8504	-0.04042	0.38349	-0.04129	0.37337	-0.09489
-0.08227	0.07572	-0.0963	0.03749	0.0114	0.80591	-0.12544	0.00664	-0.00577
0.103719	0.025	0.111008	0.0164	0.179952	9.22E-05	0.029133	0.53	-0.13913
0.034611	0.45556	0.038185	0.41035	0.15976	0.00053	-0.06702	0.14819	-0.08517
-0.01799	0.69816	0.082077	0.0764	0.124663	0.00699	0.04567	0.32472	0.213601
0.123892	0.00735	0.029729	0.5216	0.205589	7.51E-06	-0.05025	0.27847	0.026027
0.056049	0.22669	-0.0446	0.33624	0.087791	0.05799	-0.12226	0.00817	-0.0535
-0.03255	0.48288	-0.07512	0.10494	0.00786	0.86548	-0.17853	0.0001	-0.07301
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-0.2239	1.02E-06	-0.31364	4.05E-12	-0.40715	4.49E-20	-0.24669	6.65E-08	-0.06854
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0.050603	0.27513	-0.16009	0.00052	-0.00509	0.91262	-0.22897	5.69E-07	-0.0666
-0.0061	0.89536	-0.11904	0.01003	-0.01847	0.6906	-0.10747	0.02018	-0.00189
-0.1675	0.00028	-0.07027	0.12943	-0.03803	0.41226	0.041144	0.37502	0.200036
0.039792	0.39092	-0.11703	0.01138	0.041839	0.36699	-0.15389	0.00085	0.104097
-0.09968	0.03126	-0.12301	0.00779	-0.00398	0.93171	-0.13494	0.00348	-0.03507
0.034902	0.45178	-0.07461	0.10732	0.096283	0.03753	-0.11319	0.01439	0.217587
0.031678	0.49467	-0.09995	0.0308	0.046877	0.31208	-0.15775	0.00062	0.101566
0.203207	9.61E-06	0.31401	3.81E-12	0.423845	8.75E-22	0.386257	4.59E-18	0.15819
0.013917	0.76422	0.015591	0.73684	0.060703	0.19037	0.031524	0.49677	-0.01494
0.159008	0.00056	0.017052	0.71323	0.249093	4.90E-08	-0.03439	0.45841	0.007358
-0.1229	0.00784	-0.06113	0.18724	-0.2154	2.63E-06	-0.09018	0.05148	0.007897
-0.19147	3.11E-05	-0.17836	0.00011	-0.32539	5.59E-13	-0.14403	0.00181	-0.12053
0.008041	0.86242	-0.12861	0.00538	-0.01617	0.72741	-0.11627	0.01192	-0.03225
0.022206	0.63219	0.296669	6.08E-11	0.238075	1.93E-07	0.201103	1.19E-05	-0.001
0.116241	0.01194	0.030814	0.50652	0.10189	0.02769	-0.04834	0.29725	-0.01612
0.042355	0.36111	-0.00554	0.90499	0.092122	0.04663	-0.08759	0.05857	-0.06597
0.016493	0.72223	0.162812	0.00041	0.231432	4.27E-07	-0.00631	0.89189	-0.13996
-0.04133	0.37286	-0.04785	0.30213	-0.10905	0.01841	0.047459	0.30611	0.005368
-0.02838	0.54075	-0.06156	0.18421	0.101382	0.02848	-0.16141	0.00046	0.068723
0.009642	0.83538	-0.01962	0.67242	0.017948	0.69886	-0.067	0.14831	-0.05129
-0.09392	0.0425	0.065561	0.15721	-0.19785	1.66E-05	0.084094	0.06943	-0.07357
-0.10283	0.02627	0.01884	0.68468	-0.1541	0.00083	0.024293	0.60053	-0.08037
0.024841	0.59234	-0.03549	0.44418	-0.00212	0.96361	-0.09856	0.03322	-0.02495
-0.01238	0.78957	-0.0139	0.76448	-0.08347	0.07151	0.101282	0.02863	0.033848
-0.04065	0.38077	0.08883	0.05508	-0.10759	0.02004	0.23024	4.91E-07	-0.02014
0.036064	0.43685	-0.08504	0.06633	-0.02758	0.5522	-0.16415	0.00037	0.032388
0.064439	0.16445	0.05027	0.27831	0.185392	5.56E-05	-0.01558	0.73707	0.145612
0.174175	0.00016	0.188414	4.18E-05	0.443624	6.14E-24	0.133014	0.00398	0.058535
0.059603	0.19854	-0.09526	0.03961	0.074967	0.10566	-0.11344	0.01418	0.070285
0.026005	0.5751	-0.01697	0.7146	0.134429	0.00361	-0.11928	0.00988	0.007629
0.077909	0.09263	0.026369	0.56976	0.037204	0.42249	0.031448	0.49781	0.072499
-0.16927	0.00024	-0.01371	0.76764	-0.19986	1.35E-05	-0.02266	0.62526	-0.07654
0.073014	0.11509	0.297449	5.39E-11	0.408058	3.65E-20	0.288513	2.10E-10	0.117686
0.023057	0.61919	-0.03467	0.45479	0.105662	0.02239	-0.146	0.00156	-0.06666

-0.06376	0.16897	-0.06116	0.18701	-0.14243	0.00203	-0.04625	0.31864	0.051386
-0.02738	0.55509	-0.18202	7.62E-05	-0.20293	9.89E-06	-0.19368	2.51E-05	-0.13144
0.088272	0.05663	-0.0612	0.18678	0.073721	0.11161	-0.14789	0.00135	0.093924
-0.00701	0.87998	-0.05081	0.27318	0.094815	0.04055	-0.17783	0.00011	0.076604
0.048192	0.29869	-0.11579	0.01228	0.022565	0.6267	-0.16108	0.00048	-0.04773
-0.01422	0.75926	0.057195	0.21732	-0.02275	0.62394	0.128979	0.00525	0.068042
0.018137	0.69586	-0.00335	0.94236	0.006699	0.8852	-0.02069	0.65557	-0.10426
0.01075	0.81678	-0.04779	0.30272	0.090243	0.0513	-0.11066	0.01674	-0.0445
-0.00145	0.97513	-0.09125	0.04875	0.041313	0.37305	-0.17814	0.00011	-0.05271
-0.0254	0.58399	-0.01307	0.77825	-0.10091	0.02923	0.012224	0.7922	0.050738
0.013433	0.77218	0.000782	0.98655	0.020545	0.65789	-0.01801	0.69785	-0.01311
0.059121	0.2022	-0.08023	0.08329	0.10054	0.02983	-0.11217	0.0153	0.176107
0.207139	6.38E-06	0.139477	0.00252	0.280086	7.26E-10	0.188383	4.19E-05	0.05066
0.082348	0.07543	0.080215	0.08334	0.231127	4.42E-07	0.205853	7.30E-06	0.207215
0.148647	0.00127	0.059518	0.19918	0.223139	1.11E-06	0.053683	0.24694	0.240502
-0.1157	0.01235	0.169568	0.00023	0.013145	0.77693	0.199849	1.35E-05	0.082313
0.057676	0.21347	0.033122	0.47519	0.088119	0.05706	-0.04825	0.29814	-0.02984
0.037607	0.41747	0.008802	0.84953	0.157685	0.00063	-0.06773	0.14391	-0.01358
-0.05776	0.21283	-0.20897	5.26E-06	-0.0737	0.1117	-0.21091	4.28E-06	0.107963
0.112714	0.01481	0.074609	0.10735	0.083517	0.07137	0.044477	0.33753	-0.017
0.14824	0.00132	0.21639	2.36E-06	0.354244	2.97E-15	0.231308	4.33E-07	0.14698
0.065913	0.15499	0.131325	0.00447	0.222839	1.15E-06	0.058734	0.20518	0.098366
0.076453	0.09891	0.134417	0.00361	0.255343	2.19E-08	-0.03105	0.50332	0.001643
0.05167	0.26513	-0.10294	0.02612	0.035074	0.44955	-0.16621	0.00031	0.117521
-0.04776	0.30308	-0.20398	8.87E-06	-0.08338	0.07182	-0.26504	6.01E-09	0.019599
-0.00756	0.87063	0.175631	0.00014	0.123	0.00779	0.057955	0.21126	-0.19826
0.045209	0.32964	0.073069	0.11482	0.148783	0.00126	-0.08708	0.06007	-0.08412
-0.01852	0.68975	0.005105	0.91239	0.104019	0.02458	0.049199	0.2887	0.139623
0.03148	0.49737	0.070488	0.12824	0.117916	0.01076	-0.00065	0.98887	-0.04956
0.089043	0.05449	0.170355	0.00022	0.123894	0.00735	0.20866	5.44E-06	-0.01164
0.031411	0.49831	-0.03501	0.45033	0.081175	0.0797	-0.09261	0.04547	0.083769
0.008907	0.84776	-0.10913	0.01832	-0.05693	0.21942	-0.17667	0.00012	-0.16039
-0.03702	0.42483	0.071538	0.12264	-0.19214	2.91E-05	0.048194	0.29866	-0.10977
-0.1253	0.0067	0.018756	0.68601	-0.23351	3.34E-07	-0.0053	0.90906	-0.0185
0.029052	0.53114	-0.02207	0.63426	0.040006	0.38837	-0.12074	0.009	-0.12513
-0.05613	0.22599	-0.012	0.79591	-0.0963	0.0375	0.045919	0.32209	0.138673
0.028005	0.54605	0.138277	0.00275	0.126693	0.00611	0.077445	0.0946	-0.06771
0.02951	0.52468	0.021439	0.644	0.029893	0.51932	-0.06757	0.14487	-0.09676
0.010058	0.82838	0.077044	0.09632	-0.02706	0.5597	-0.00083	0.98574	-0.12195
0.048049	0.30013	0.021805	0.63835	0.154476	0.00081	-0.10994	0.01747	-0.08678
0.004639	0.92036	0.31786	2.01E-12	0.340521	3.84E-14	0.407666	3.99E-20	0.286406
0.100041	0.03065	0.401457	1.64E-19	0.505674	1.10E-31	0.425058	6.52E-22	0.268064
0.011777	0.79963	0.010833	0.81539	-0.01418	0.75986	-0.00432	0.92588	-0.05864
-0.08053	0.08214	-0.17614	0.00013	-0.10125	0.02868	-0.1153	0.01265	0.193206
-0.03614	0.4359	-0.16746	0.00028	-0.03467	0.45482	-0.09971	0.03122	0.079611

0.065673	0.1565	0.048137	0.29924	0.159123	0.00056	0.048329	0.29731	0.107031
0.05579	0.22885	-0.11829	0.01052	-0.07761	0.09388	-0.11602	0.01211	-0.01675
0.078621	0.08968	0.022957	0.62071	0.132875	0.00402	-0.08594	0.0635	-0.07005
0.131411	0.00445	0.137712	0.00286	0.244562	8.68E-08	-0.01117	0.80975	-0.00968
0.019377	0.6762	0.035599	0.44279	0.129859	0.00494	-0.03828	0.40917	-0.05856
0.134043	0.00371	0.047046	0.31034	0.164335	0.00036	0.061882	0.18188	0.246694
0.136708	0.00307	0.084704	0.06742	0.140338	0.00237	0.018696	0.68696	0.072724
0.14236	0.00204	-0.0505	0.27609	0.148271	0.00131	-0.06913	0.13578	0.058122
0.034746	0.4538	0.080616	0.08181	0.122827	0.00788	-0.05355	0.24813	-0.06012
0.061886	0.18185	0.007831	0.86598	-0.01343	0.77224	0.002125	0.96347	-0.07064
0.035419	0.4451	-0.15193	0.00099	-0.0227	0.62459	-0.17067	0.00021	0.034176
0.023533	0.61198	0.01068	0.81795	0.118402	0.01044	-0.07131	0.12383	-0.08003
0.018941	0.68309	0.004635	0.92043	-0.01876	0.68588	-0.03034	0.51312	-0.12395
0.012486	0.78785	0.001864	0.96795	0.085576	0.06464	-0.12649	0.0062	-0.13742
-0.01342	0.77233	-0.04763	0.30441	-0.0395	0.39444	-0.13511	0.00344	-0.14859
0.03809	0.41152	0.063068	0.17363	0.091181	0.04892	-0.03223	0.48724	-0.13284
0.133611	0.00382	0.025558	0.58169	0.172147	0.00019	-0.07086	0.12625	-0.0446
0.07558	0.10284	-0.00314	0.94606	0.115843	0.01224	-0.13794	0.00282	-0.06901
0.042969	0.35418	0.030985	0.50416	0.096142	0.03781	0.046985	0.31097	0.049106
0.018627	0.68806	-0.04771	0.30352	0.068654	0.1385	-0.13338	0.00388	0.040779
0.021235	0.64716	0.045215	0.32957	0.222613	1.18E-06	-0.09425	0.04178	-0.02997
0.044295	0.33952	0.199294	1.43E-05	0.229347	5.45E-07	0.149723	0.00117	0.066646
-0.14222	0.00206	-0.05933	0.20064	-0.14775	0.00137	0.111275	0.01614	0.224408
0.051606	0.26572	-0.02343	0.6135	0.064871	0.16164	-0.10065	0.02965	-0.09219
-0.01929	0.67764	-0.10836	0.01917	0.029624	0.52308	-0.1829	7.03E-05	0.082395
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-0.00729	0.87509	-0.11578	0.01229	-0.00497	0.91474	-0.07813	0.0917	0.21331
-0.05582	0.22861	0.057265	0.21675	-0.16924	0.00024	0.000528	0.99093	-0.055
-0.12179	0.00842	-0.1462	0.00153	-0.18354	6.62E-05	-0.1661	0.00031	0.089476
-0.16427	0.00036	-0.05724	0.21694	-0.071	0.12548	-0.03174	0.49377	0.07598
-0.00135	0.97674	-0.02334	0.61484	0.068837	0.13745	-0.1146	0.01321	-0.05519
0.045242	0.32928	0.152399	0.00095	0.261472	9.73E-09	0.012406	0.78917	-0.03399
0.062727	0.17598	0.174285	0.00015	0.29137	1.37E-10	0.067229	0.14689	0.033861
0.021519	0.64276	0.051228	0.26925	0.037574	0.41788	-0.04786	0.30206	-0.12541
0.02896	0.53245	0.00419	0.92804	0.04964	0.28439	-0.07735	0.09502	-0.09774
0.061599	0.1839	-0.00485	0.91677	0.056151	0.22584	-0.01371	0.76764	-0.04335
0.089089	0.05437	0.174445	0.00015	0.217625	2.06E-06	0.087104	0.05999	-0.00368
-0.0703	0.12927	-0.03386	0.46539	-0.16308	0.0004	0.009199	0.84283	-0.00472
0.018341	0.6926	0.019229	0.67853	0.052873	0.25415	-0.0744	0.10833	-0.07677
-0.0485	0.29561	0.043084	0.3529	0.037592	0.41766	0.145678	0.0016	0.026217
0.074129	0.10963	0.068077	0.14186	0.102814	0.0263	-0.02686	0.56264	0.064281
0.199507	1.40E-05	0.143185	0.00192	0.29719	5.61E-11	0.077042	0.09633	0.039519
-0.05381	0.24582	-0.03037	0.51261	0.052693	0.25577	-0.11176	0.01569	0.023534
0.160731	0.00049	0.017671	0.70329	0.170882	0.00021	-0.01825	0.69413	0.079008
0.064517	0.16394	-0.09448	0.04126	0.001671	0.97128	-0.14187	0.00212	0.067244

-0.01162	0.80225	0.097168	0.0358	0.090561	0.05049	0.02582	0.57782	-0.027
-0.02071	0.65529	0.047651	0.30415	0.097277	0.0356	0.077184	0.09572	0.182489
0.222957	1.14E-06	-0.01734	0.70865	0.163546	0.00039	-0.06107	0.18768	-0.06401
0.043019	0.35362	0.219341	1.70E-06	0.064976	0.16096	0.192899	2.71E-05	0.072325
-0.03546	0.44461	0.100305	0.03021	0.223486	1.07E-06	0.049809	0.28275	0.00454
0.02301	0.61991	-0.08234	0.07547	0.02541	0.58387	-0.13964	0.00249	-0.03197
0.06627	0.15276	-0.00403	0.93073	0.057742	0.21295	-0.01673	0.71841	0.053908
0.040093	0.38734	0.041995	0.36521	0.121008	0.00885	-0.03931	0.3967	-0.0604
0.271627	2.42E-09	0.119227	0.00991	0.177123	0.00012	0.040794	0.3791	-0.05923
-0.01079	0.81606	0.281849	5.62E-10	0.203338	9.48E-06	0.170703	0.00021	-0.11351
0.205673	7.44E-06	0.206606	6.75E-06	0.296967	5.81E-11	0.189548	3.75E-05	0.004438
0.099884	0.03092	0.323475	7.77E-13	0.361421	7.41E-16	0.158412	0.00059	0.016389
-0.02929	0.52779	0.141627	0.00216	0.208939	5.28E-06	0.073211	0.11411	0.055104
0.118795	0.01019	0.008782	0.84988	0.108945	0.01852	-0.02687	0.56242	-0.07156
0.193283	2.61E-05	0.064906	0.16141	0.350122	6.49E-15	-0.02277	0.62353	0.035243
0.063962	0.16761	-0.02127	0.64666	0.032231	0.48716	-0.02287	0.62202	0.014632
-0.02602	0.57487	-0.11098	0.01642	0.056946	0.21933	-0.23253	3.75E-07	-0.0506
-0.05122	0.26931	0.186488	5.02E-05	0.092086	0.04671	0.163356	0.00039	0.008661
0.021212	0.64752	0.05097	0.27166	0.132075	0.00425	-0.08581	0.06391	-0.13853
0.095199	0.03974	-0.08081	0.08106	-0.02431	0.60032	-0.04807	0.29996	-0.02818
0.073564	0.11237	0.094397	0.04145	0.084282	0.0688	0.064227	0.16585	0.100358
0.033741	0.46697	-0.03759	0.41775	0.025457	0.58318	-0.11415	0.01358	-0.07116
-0.00897	0.84678	-0.24326	1.02E-07	-0.03744	0.41949	-0.26535	5.76E-09	0.037014
0.113614	0.01403	0.265967	5.29E-09	0.366413	2.76E-16	0.114315	0.01344	0.002506
0.021287	0.64636	-0.05114	0.2701	0.170713	0.00021	-0.09827	0.03374	0.108291
0.180016	9.16E-05	0.024418	0.59865	0.110741	0.01666	0.035946	0.43836	0.013427
0.064482	0.16417	-0.01524	0.74251	0.138947	0.00262	-0.13384	0.00376	-0.00615
0.020901	0.65233	-0.07678	0.09748	-0.0093	0.84113	-0.18232	7.41E-05	-0.29678
-0.00631	0.8919	-0.00371	0.93627	-0.07135	0.12361	-0.00977	0.83319	-0.01887
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0.104756	0.02358	0.069029	0.13636	0.205544	7.54E-06	0.017341	0.70858	0.034117
0.14682	0.00146	0.140769	0.0023	0.117785	0.01085	0.062507	0.1775	-0.03948
0.004276	0.92658	-0.00691	0.88169	0.096064	0.03797	-0.07789	0.0927	-0.02693
-0.00373	0.93597	0.050466	0.27644	0.080239	0.08325	-0.0485	0.29558	-0.10457
0.107007	0.02073	0.072558	0.11738	0.225553	8.45E-07	-0.02768	0.55066	-0.00156
0.009546	0.83698	0.066252	0.15287	0.141179	0.00223	0.01491	0.74793	0.113936
0.004226	0.92743	0.088521	0.05593	0.114204	0.01353	0.085152	0.06598	-0.01201
0.037738	0.41586	-0.1292	0.00517	-0.02898	0.5321	-0.13256	0.00411	0.03071
0.253619	2.74E-08	0.157063	0.00066	0.201851	1.10E-05	0.169421	0.00024	-0.02167
0.039327	0.39649	-0.0059	0.89876	0.027004	0.5605	-0.05821	0.20922	-0.08078
0.028504	0.53892	0.090123	0.05162	0.093401	0.04365	0.086412	0.06206	0.044095
0.024727	0.59404	0.056657	0.22168	0.070139	0.13015	-0.03077	0.50706	-0.02439
-0.01463	0.75253	0.076334	0.09944	0.186062	5.22E-05	-0.05408	0.24343	-0.08616
0.011365	0.80649	-0.13318	0.00394	0.044536	0.33689	-0.14316	0.00193	0.036387
0.062021	0.1809	-0.01723	0.71031	0.058735	0.20517	-0.05513	0.23441	-0.01195

0.164813	0.00035	0.041528	0.37057	0.156843	0.00067	0.007205	0.87659	0.013413
0.033219	0.4739	0.179033	0.0001	0.174773	0.00015	0.167182	0.00028	0.008943
0.04822	0.29841	-0.04948	0.28591	-0.01229	0.79107	-0.07823	0.09131	0.001402
0.070976	0.12562	-0.05116	0.26991	0.141248	0.00222	-0.13844	0.00272	0.08487
-0.0438	0.34499	0.085597	0.06457	0.096907	0.0363	-0.00407	0.93006	-0.10874
0.131773	0.00434	-0.02572	0.57933	0.028401	0.54039	-0.08389	0.07012	-0.01566
-0.05756	0.21438	-0.10564	0.02242	-0.11597	0.01215	-0.13813	0.00278	-0.13329
0.072486	0.11775	0.1781	0.00011	0.23961	1.60E-07	0.052231	0.25997	-0.12312
-0.06135	0.1857	-0.07297	0.11529	0.00455	0.92188	-0.22926	5.50E-07	-0.15093
0.02454	0.59683	0.124264	0.00718	0.176518	0.00013	-0.05757	0.21431	-0.09792
0.080486	0.0823	0.068133	0.14153	0.135253	0.00341	0.021425	0.64422	0.013758
-0.10503	0.02322	-0.03587	0.43927	0.098593	0.03316	-0.09955	0.03149	-0.06133
0.021595	0.64159	0.051644	0.26537	0.096286	0.03752	-0.09173	0.04758	-0.10646
-0.03511	0.44915	0.002536	0.9564	0.03672	0.42856	-0.04841	0.29647	-0.05122
0.015779	0.73379	-0.07145	0.12312	0.028668	0.53659	-0.15832	0.0006	-0.0744
0.10056	0.0298	-0.0228	0.62307	0.152224	0.00097	-0.01741	0.7074	0.002741
-0.04723	0.30844	0.017531	0.70553	-0.05524	0.23349	0.042851	0.3555	0.066242
-0.02633	0.57028	-0.00752	0.87133	-0.11712	0.01131	-0.00743	0.87274	-0.08451
0.069812	0.13195	0.155725	0.00073	0.149154	0.00123	0.114415	0.01336	-0.05241
-0.11622	0.01196	0.027994	0.5462	-0.15212	0.00097	0.00983	0.83222	-0.10349
0.009764	0.83333	-0.04202	0.36492	0.008135	0.86082	-0.08843	0.05617	-0.05394
0.060083	0.19494	-0.06427	0.16558	-0.11416	0.01357	-0.07783	0.09295	0.023474
-0.05822	0.20917	0.068498	0.1394	-0.0907	0.05012	0.117664	0.01093	0.007287
0.00425	0.92701	0.179004	0.0001	0.087235	0.05961	0.098289	0.03371	-0.22775
0.051703	0.26483	0.200528	1.26E-05	0.28505	3.52E-10	0.045833	0.323	-0.04191
-0.01613	0.72811	-0.13754	0.0029	0.033984	0.46378	-0.16471	0.00035	0.111773
0.1009	0.02924	-0.03572	0.44119	0.046935	0.31149	-0.07717	0.09578	-0.01797
0.094755	0.04068	0.1243	0.00716	0.286256	2.94E-10	-0.01117	0.80981	-0.0647
0.096053	0.03799	0.027128	0.5587	0.17488	0.00015	-0.02545	0.58322	0.064159
-0.04286	0.3554	0.146796	0.00147	0.068295	0.14058	0.106481	0.02137	0.016086
-0.0166	0.72045	0.061316	0.18592	0.048863	0.292	-0.00553	0.90512	-0.09982
0.179595	9.52E-05	0.088752	0.05529	0.319476	1.53E-12	-0.03744	0.4196	0.134093
0.080885	0.08079	-0.01633	0.7249	0.124052	0.00728	-0.06149	0.1847	0.024697
0.109965	0.01744	0.026319	0.57049	0.294069	9.07E-11	0.000227	0.99609	0.190588
0.048594	0.29467	0.168287	0.00026	0.234392	3.00E-07	0.003414	0.94135	-0.06757
-0.02464	0.59532	-0.0624	0.17828	-0.046	0.32128	-0.12265	0.00797	-0.04525
0.020975	0.65119	-0.03854	0.40605	0.044632	0.33585	-0.10161	0.02811	-0.14811
-0.0085	0.85464	0.04444	0.33793	0.058708	0.20538	-0.048	0.30066	-0.08661
0.06593	0.15488	0.086471	0.06188	0.196	1.99E-05	-0.02674	0.56428	-0.04542
-0.04219	0.36298	-0.00924	0.84218	0.047677	0.30389	-0.03674	0.42827	0.041866
-0.06068	0.19052	-0.02283	0.62259	0.004763	0.91824	-0.12753	0.00578	-0.11061
-0.003	0.9484	0.137782	0.00285	-0.01348	0.77146	0.252747	3.07E-08	0.093947
0.200024	1.33E-05	0.148455	0.00129	0.259495	1.27E-08	0.022508	0.62756	-0.02109
0.040298	0.38492	0.046034	0.32087	0.093105	0.04433	-0.04018	0.38632	-0.04333
-0.09741	0.03534	-0.02725	0.55694	-0.10968	0.01773	-0.05445	0.24023	-0.07507

-0.03548	0.44437	0.038577	0.40556	0.170712	0.00021	-0.02206	0.63439	-0.02416
-0.03486	0.45228	-0.10022	0.03035	-0.10842	0.0191	-0.15827	0.0006	-0.23724
0.052528	0.25726	-0.06397	0.16757	0.082425	0.07516	-0.1255	0.00662	-0.04205
-0.00683	0.88297	-0.18289	7.03E-05	-0.12438	0.00712	-0.10434	0.02414	0.033747
0.096299	0.0375	0.067404	0.14584	0.108128	0.01943	0.018155	0.69557	-0.03156
0.113926	0.01376	0.299607	3.85E-11	0.370851	1.13E-16	0.171175	0.0002	-0.03448
0.044964	0.33226	0.119116	0.00998	0.322271	9.54E-13	0.065739	0.15609	0.225654
-0.07629	0.09963	-0.07586	0.10155	0.038223	0.40989	-0.13375	0.00378	-0.05041
0.106805	0.02097	0.211865	3.86E-06	0.292413	1.17E-10	0.098919	0.03258	-0.04392
0.097256	0.03563	0.039562	0.39366	0.138528	0.0027	-0.02017	0.66373	-0.03078
0.067355	0.14614	-0.00931	0.84098	0.205818	7.33E-06	-0.0586	0.20622	0.114873
0.158932	0.00057	0.140848	0.00228	0.292196	1.21E-10	0.068536	0.13918	0.044902
0.048339	0.29721	-0.02519	0.58713	0.146825	0.00146	-0.12007	0.0094	0.023116
-0.06091	0.18887	-0.03389	0.46504	0.057442	0.21534	-0.12547	0.00663	-0.04675
0.090619	0.05034	0.068167	0.14133	0.097298	0.03556	0.010091	0.82783	0.019478
0.028375	0.54075	-0.12628	0.00628	-0.02543	0.58353	-0.10306	0.02594	0.001467
-0.05189	0.26313	-0.26289	8.04E-09	-0.08444	0.06828	-0.28481	3.64E-10	0.071436
0.204334	8.55E-06	0.229341	5.45E-07	0.457175	1.70E-25	0.208805	5.35E-06	0.026194
0.007468	0.87213	0.062337	0.17869	0.130904	0.0046	-0.06406	0.16694	-0.13309
-0.02868	0.53635	0.024009	0.60479	0.086704	0.06118	-0.06131	0.18594	-0.08848
-0.04176	0.36789	0.038754	0.40341	-0.03306	0.47607	0.164994	0.00034	0.089554
0.008599	0.85297	0.055529	0.23104	0.025912	0.57646	0.114724	0.01311	0.111667
-0.15477	0.00079	-0.05663	0.22191	-0.21595	2.48E-06	-0.05689	0.21978	-0.02206
0.028879	0.53358	-0.05135	0.26813	0.100626	0.02969	-0.00578	0.9008	0.168003
-0.00335	0.9425	-0.08541	0.06517	-0.01816	0.69553	-0.12049	0.00915	0.0115
-0.003	0.94842	-0.04658	0.31518	0.059616	0.19844	-0.13371	0.0038	-0.03799
-0.01276	0.78324	-0.19519	2.16E-05	-0.0162	0.7269	-0.18434	6.14E-05	-0.00079
0.020716	0.65522	-0.06999	0.13096	0.073797	0.11124	-0.12601	0.0064	0.021305
-0.0442	0.34051	0.128148	0.00555	0.221361	1.36E-06	0.012519	0.7873	-0.08824
-0.0887	0.05544	-0.10004	0.03065	-0.05178	0.26414	-0.1382	0.00276	0.044957
0.053202	0.2512	0.060107	0.19476	0.258458	1.45E-08	-0.04171	0.36846	0.029734
-0.16036	0.0005	0.020044	0.66572	-0.1597	0.00053	0.094015	0.04228	-0.01344
0.010751	0.81677	0.105064	0.02317	0.046635	0.31459	0.041849	0.36688	-0.02041
0.003453	0.94067	0.016661	0.71952	0.056735	0.22104	-0.07115	0.12467	-0.08211
0.09611	0.03788	0.317674	2.07E-12	0.298031	4.92E-11	0.37876	2.23E-17	0.378034
-0.02958	0.52376	0.077686	0.09357	0.077783	0.09316	0.003285	0.94357	-0.06847
-0.01992	0.66766	-0.09141	0.04837	0.023496	0.61254	-0.17185	0.00019	-0.00825
0.146973	0.00145	0.021249	0.64695	0.211629	3.96E-06	0.030354	0.51288	0.088689
0.050164	0.27933	-0.01164	0.80193	0.129627	0.00502	-0.05728	0.21662	-0.03401
0.000661	0.98863	0.053881	0.2452	0.054575	0.23915	-0.02001	0.66619	-0.14515
-0.04034	0.38441	-0.17707	0.00012	-0.01489	0.74832	-0.2308	4.59E-07	-0.03694
-0.01091	0.8141	-0.00152	0.97388	0.017246	0.71011	-0.05169	0.26495	-0.16669
0.006958	0.88079	-0.03559	0.4429	0.177205	0.00012	-0.15008	0.00114	-0.04897
0.008697	0.85131	0.056712	0.22123	0.21808	1.96E-06	-0.09639	0.03732	-0.12915
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0.003206	0.94492	0.015106	0.74474	0.003704	0.93637	-0.12146	0.0086	-0.05793
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0.219958	1.59E-06	0.294522	8.46E-11	0.313959	3.84E-12	0.222809	1.15E-06	0.01314
0.054038	0.24382	-0.07863	0.08963	0.079536	0.086	-0.13753	0.0029	-0.10688
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0.003534	0.93929	0.115579	0.01244	0.158377	0.00059	0.007331	0.87445	-0.11371
0.224698	9.31E-07	0.361982	6.64E-16	0.551511	1.61E-38	0.275175	1.47E-09	0.127413
0.08702	0.06024	0.050428	0.2768	0.204898	8.07E-06	0.007929	0.86431	-0.02002
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0.075425	0.10355	0.005036	0.91356	0.164056	0.00037	-0.06325	0.17241	0.080639
0.076514	0.09864	0.074247	0.10907	0.097541	0.0351	0.016541	0.72146	0.075049
0.056049	0.22669	-0.08257	0.07464	0.061938	0.18149	-0.12015	0.00935	-0.0167
-0.0648	0.16207	-0.15369	0.00086	0.008023	0.86272	-0.10128	0.02863	0.19716
-0.08882	0.05509	-0.09359	0.04322	0.053618	0.24751	-0.18224	7.47E-05	-0.11232
0.101927	0.02763	-0.08948	0.0533	0.081527	0.0784	-0.06696	0.14851	0.109929
-0.08505	0.06632	-0.03372	0.46728	-0.19722	1.77E-05	0.017015	0.71381	-0.12938
0.037495	0.41887	0.075478	0.1033	0.175839	0.00013	0.022946	0.62088	0.009948
0.121374	0.00865	0.17004	0.00022	0.331865	1.81E-13	0.123416	0.00758	0.088811
0.019205	0.6789	-0.03273	0.48037	0.099968	0.03078	-0.07754	0.09419	0.13362
0.032271	0.48663	0.01889	0.68389	0.118147	0.01061	-0.05298	0.25323	-0.00041
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0.098527	0.03328	-0.03455	0.45638	0.067735	0.14387	-0.07842	0.09051	-0.0622
0.023537	0.61191	-0.03231	0.48607	-0.05103	0.27107	-0.06519	0.15956	0.05354
0.051463	0.26705	0.112061	0.0154	0.24191	1.21E-07	-0.0555	0.23131	-0.09669
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0.00247	0.95754	0.009617	0.83579	0.124894	0.00689	-0.13877	0.00265	-0.16225
0.050114	0.27981	0.076656	0.09801	0.207641	6.05E-06	-0.07943	0.0864	-0.11494
0.120034	0.00942	0.030421	0.51196	0.147343	0.00141	-0.11002	0.01739	-0.10815
0.021279	0.64648	0.094048	0.04221	0.026622	0.56606	0.025689	0.57975	-0.06568
0.036706	0.42873	0.079276	0.08703	0.214734	2.83E-06	0.055069	0.23493	0.046538
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-0.04291	0.35483	0.028815	0.5345	0.019694	0.6712	-0.06445	0.16441	-0.02388
-0.09701	0.0361	-0.19831	1.58E-05	-0.31753	2.12E-12	-0.20315	9.66E-06	-0.03266
-0.19366	2.51E-05	-0.25356	2.76E-08	-0.33776	6.33E-14	-0.19407	2.41E-05	-0.02374
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0.107572	0.02006	0.221307	1.37E-06	0.315925	2.77E-12	0.126839	0.00606	0.084172
0.076705	0.0978	0.261109	1.02E-08	0.309937	7.43E-12	0.298888	4.31E-11	0.170511
0.005519	0.90532	0.166558	0.0003	0.128143	0.00555	0.069751	0.13229	-0.12913

0.122499	0.00805	0.087529	0.05875	0.24029	1.47E-07	0.026825	0.5631	0.187324
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0.015753	0.73421	0.162301	0.00043	0.167347	0.00028	0.076201	0.10003	-0.14814
-0.02422	0.60162	-0.1006	0.02973	-0.05908	0.2025	-0.14658	0.00149	-0.07988
-0.02075	0.65467	-0.07221	0.11914	0.070546	0.12793	-0.08958	0.05306	0.10153
0.098715	0.03295	0.477217	6.19E-28	0.348999	8.02E-15	0.486564	3.97E-29	-0.00893
-0.12086	0.00894	-0.06923	0.13521	-0.10539	0.02274	0.088494	0.056	0.131673
0.034234	0.46049	0.043459	0.34871	0.125391	0.00666	-0.03648	0.43162	0.048714
0.038008	0.41252	0.02293	0.62113	0.167081	0.00029	-0.11709	0.01133	-0.00286
0.077377	0.09489	-0.05169	0.26497	0.088659	0.05555	-0.16798	0.00027	-0.03565
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0.261469	9.73E-09	0.318833	1.71E-12	0.510748	2.17E-32	0.295104	7.74E-11	0.107655
0.048351	0.2971	-0.03576	0.44075	0.074512	0.1078	-0.08093	0.08062	-0.05005
0.015381	0.74025	0.046668	0.31424	0.147946	0.00134	-0.04458	0.33637	-0.07892
0.051358	0.26803	-0.03684	0.42704	0.011208	0.80912	-0.10108	0.02896	-0.09724
-0.00197	0.9661	-0.03421	0.46082	-0.02912	0.53016	0.014548	0.75385	0.140788
0.092464	0.04582	-0.09447	0.0413	0.140172	0.0024	-0.14461	0.00173	0.103156
0.109307	0.01813	-0.02763	0.55139	-0.07329	0.11371	-0.1081	0.01946	-0.18378
-0.15641	0.00069	-0.00969	0.83453	-0.15385	0.00085	0.08587	0.06372	0.076975
-0.04725	0.30824	0.073481	0.11278	-0.0226	0.62622	0.156143	0.00071	0.125525
-0.01437	0.75685	-0.07408	0.10988	0.04756	0.30507	-0.08666	0.06132	0.129994
0.01122	0.80892	-0.04126	0.37366	0.011319	0.80726	-0.0755	0.1032	-0.02564
0.053053	0.25253	0.054244	0.24202	0.101623	0.0281	-0.06977	0.1322	-0.07314
-0.04978	0.28307	0.079038	0.08799	0.055709	0.22953	0.133459	0.00386	0.134617
0.141236	0.00222	0.045102	0.33078	0.00296	0.94913	-0.03073	0.50766	-0.1251
0.08148	0.07858	0.012936	0.78039	-0.11114	0.01627	0.051914	0.26288	-0.00459
-0.0258	0.57818	0.124359	0.00713	0.286331	2.91E-10	0.113942	0.01375	-0.02905
0.188295	4.22E-05	-0.02297	0.62051	0.216647	2.30E-06	-0.08198	0.07674	0.082714
-0.09917	0.03214	-0.01176	0.79997	0.053411	0.24934	0.120078	0.00939	0.249036
0.016091	0.72873	0.005072	0.91295	0.029168	0.52949	-0.081	0.08037	-0.15782
-0.11226	0.01522	-0.00488	0.91632	-0.19106	3.24E-05	0.057334	0.2162	-0.01563
0.032743	0.48027	-0.17442	0.00015	-0.02136	0.64515	-0.12749	0.0058	0.126348
-0.00153	0.97362	0.053548	0.24812	0.142092	0.00208	-0.04935	0.28722	-0.07446
0.03603	0.43729	0.048903	0.29161	0.093587	0.04323	-0.04442	0.33811	0.139505
0.146474	0.0015	0.138776	0.00265	0.271686	2.40E-09	0.07505	0.10528	-0.0489
0.006328	0.89152	0.088897	0.05489	0.132017	0.00427	-0.03157	0.49616	-0.07771
-0.00389	0.93318	-0.02925	0.52841	0.077082	0.09616	-0.15201	0.00098	-0.14335
0.060014	0.19546	0.069628	0.13298	0.146548	0.0015	0.008127	0.86095	0.09603
0.029954	0.51846	-0.06207	0.18057	0.045549	0.326	-0.13473	0.00353	-0.12218
0.134796	0.00352	0.033056	0.47607	0.103556	0.02523	0.045118	0.33061	-0.00481
-0.02253	0.62728	-0.10875	0.01873	-0.02288	0.62182	-0.13665	0.00309	0.00862
0.083289	0.07215	0.100577	0.02977	0.234104	3.11E-07	-0.05727	0.21675	-0.18094
-0.0277	0.55044	-0.00149	0.9744	-0.03959	0.39336	-0.05527	0.2332	-0.13998
-0.00354	0.93913	-0.04493	0.33262	-0.0106	0.81934	-0.14243	0.00203	-0.12992

0.053665	0.2471	0.035383	0.44557	0.119982	0.00945	-0.03379	0.46628	0.225818
0.049746	0.28336	-0.0682	0.14111	-0.03343	0.47103	-0.13945	0.00253	-0.05231
0.067588	0.14475	0.09502	0.04012	0.247969	5.66E-08	0.002183	0.96248	-0.01473
-0.02943	0.52587	0.004452	0.92356	0.021306	0.64605	-0.01231	0.79071	0.047917
0.200594	1.26E-05	0.232531	3.75E-07	0.434641	6.08E-23	0.183527	6.63E-05	0.196177
0.054543	0.23944	0.174332	0.00015	0.171935	0.00019	0.118094	0.01065	-0.07448
0.120138	0.00936	0.287037	2.62E-10	0.384744	6.33E-18	0.158091	0.00061	0.084711
0.033473	0.47053	0.020607	0.65692	0.099614	0.03138	-0.05778	0.21262	0.037831
0.149089	0.00123	0.143014	0.00195	0.293948	9.24E-11	0.02871	0.53598	0.092868
-0.05897	0.20333	-0.07104	0.12528	-0.21191	3.84E-06	0.032524	0.4832	0.050207
0.050839	0.2729	0.101441	0.02838	0.118504	0.01038	0.001436	0.97531	-0.15593
-0.04398	0.34301	-0.00502	0.91385	-0.039	0.40042	0.025364	0.58456	0.023447
0.110897	0.01651	0.153805	0.00085	0.207069	6.43E-06	0.091802	0.0474	0.150825
0.040072	0.38759	-0.01898	0.68252	0.164596	0.00035	-0.14985	0.00116	-0.07644
0.015293	0.74168	-0.04002	0.3882	0.077098	0.09609	-0.05417	0.24268	0.067131
-0.03113	0.50223	0.017348	0.70846	0.074854	0.1062	-0.00531	0.90896	0.04286
-0.02249	0.62778	-0.00845	0.85553	0.026757	0.56408	-0.12304	0.00777	-0.14541
0.014347	0.75715	-0.00117	0.97982	0.087287	0.05945	-0.066	0.15444	-0.12979
0.100663	0.02963	0.012353	0.79005	0.056338	0.2243	0.000473	0.99187	0.149986
-0.01523	0.74273	0.015462	0.73893	0.165922	0.00032	-0.03158	0.49602	0.008334
-0.00375	0.93553	-0.07328	0.11379	0.127772	0.00569	-0.20017	1.31E-05	0.00431
0.114371	0.0134	0.229799	5.17E-07	0.208089	5.77E-06	0.299788	3.74E-11	0.174687
0.012014	0.79568	0.039124	0.39893	0.089861	0.0523	0.001783	0.96934	-0.08059
-0.03623	0.43479	0.102525	0.02673	0.205553	7.53E-06	0.074798	0.10646	0.05773
0.019991	0.66655	-0.03938	0.39582	0.046206	0.31906	-0.13826	0.00275	-0.09744
0.019188	0.67917	-0.13169	0.00436	0.006859	0.88248	-0.24192	1.20E-07	-0.15992
0.054103	0.24326	0.080111	0.08375	0.196717	1.86E-05	-0.0821	0.07632	-0.00643
0.023979	0.60524	0.04175	0.36802	0.163833	0.00038	-0.07654	0.09851	-0.10799
0.058982	0.20327	0.074734	0.10676	0.165269	0.00033	-0.0167	0.71888	-0.04043
-0.08161	0.0781	0.094474	0.04128	0.014089	0.76139	0.071482	0.12293	-0.03378
0.069389	0.13431	0.025275	0.58588	0.151823	0.001	-0.07881	0.08891	-0.07627
0.002347	0.95966	-0.02499	0.59008	0.084084	0.06946	-0.06666	0.15033	-0.1236
0.100982	0.02911	-0.00795	0.86402	0.054915	0.23624	-0.08638	0.06216	-0.11229
0.076481	0.09879	-0.03326	0.47338	0.104107	0.02446	-0.08052	0.08217	-0.03862
0.040441	0.38323	0.12414	0.00723	0.254206	2.54E-08	-0.03965	0.39259	-0.0267
-0.04941	0.28668	-0.09625	0.0376	0.032741	0.48029	-0.22566	8.34E-07	-0.06861
-0.10225	0.02713	-0.07552	0.10313	-0.24825	5.46E-08	0.004317	0.92586	0.050107
-0.02868	0.53636	-0.01757	0.70487	0.08642	0.06204	-0.03748	0.41905	0.04839
0.003659	0.93715	-0.00213	0.96337	0.078974	0.08825	-0.07172	0.12172	-0.07843
0.008925	0.84747	-0.02105	0.65005	0.066553	0.15102	-0.14162	0.00216	-0.12434
0.119389	0.00981	0.106879	0.02088	0.253741	2.70E-08	0.105021	0.02322	0.14278
0.063232	0.17252	0.111278	0.01614	0.131626	0.00438	-0.00287	0.95076	-0.06526
-0.05779	0.21258	-0.05771	0.21322	0.005476	0.90606	-0.06422	0.16587	-0.03297
0.088176	0.0569	0.18332	6.75E-05	0.302112	2.60E-11	0.176215	0.00013	0.223013
-0.01556	0.73734	-0.13191	0.0043	-0.08887	0.05496	-0.17551	0.00014	-0.0091

-0.06583	0.15551	-0.02917	0.52953	0.037538	0.41834	-0.0766	0.09824	0.012738
-0.03752	0.41859	-0.04903	0.29033	0.025354	0.58471	-0.10274	0.02641	-0.03563
-0.01701	0.7139	0.026187	0.57242	0.165772	0.00032	0.021646	0.6408	0.14439
0.063811	0.16861	0.017258	0.7099	0.014246	0.75881	0.014694	0.75147	-0.03821
0.019447	0.67509	0.035618	0.44255	0.103645	0.0251	-0.09244	0.04588	-0.06591
-0.03275	0.48017	0.083496	0.07144	0.047464	0.30606	-0.01803	0.69756	-0.13832
-0.01794	0.699	0.023741	0.60883	0.105782	0.02224	-0.10494	0.02333	-0.10529
0.117988	0.01072	0.021319	0.64585	0.244913	8.31E-08	-0.10025	0.0303	-0.01267
0.050333	0.27771	0.048165	0.29896	0.240213	1.49E-07	-0.04123	0.37406	0.020762
0.008224	0.85932	-0.11447	0.01331	-0.01976	0.67012	-0.17118	0.0002	0.072904
0.085733	0.06415	0.136731	0.00307	0.174391	0.00015	-0.01757	0.70494	-0.17768
0.11699	0.0114	0.020908	0.65223	0.138956	0.00262	-0.04687	0.31215	-0.10253
-0.10512	0.0231	-0.14691	0.00145	-0.14317	0.00192	-0.03989	0.38981	0.083755
0.000324	0.99442	0.000813	0.98602	0.123779	0.00741	-0.10237	0.02696	-0.0204
0.116485	0.01177	0.159606	0.00054	0.333182	1.43E-13	0.073755	0.11144	0.175859
-0.00946	0.83852	-0.04353	0.34788	0.118161	0.0106	-0.19965	1.38E-05	-0.10215
0.088167	0.05692	-0.03546	0.44459	0.099387	0.03177	-0.07898	0.08824	-0.02009
0.069249	0.13511	0.056128	0.22603	0.254738	2.37E-08	-0.02696	0.56111	-0.02842
-0.06857	0.13897	-0.08764	0.05842	0.096588	0.03693	-0.14135	0.0022	0.021339
0.022387	0.62942	0.048762	0.293	-0.02266	0.62529	0.067404	0.14585	-0.02346
0.07516	0.10477	-0.02949	0.52503	-0.00145	0.97509	-0.05073	0.27396	-0.03809
0.027612	0.5517	-0.09323	0.04404	-0.04734	0.30733	-0.10758	0.02005	0.052828
0.013441	0.77204	0.00622	0.89336	0.170303	0.00022	-0.12297	0.0078	0.008841
0.046016	0.32106	0.081166	0.07974	0.147689	0.00137	-0.05664	0.22186	0.052184
0.041136	0.37511	0.02403	0.60448	0.163215	0.0004	-0.07706	0.09624	0.056563
-0.02742	0.55445	-0.22428	9.77E-07	-0.06733	0.1463	-0.20803	5.81E-06	0.056029
0.038035	0.41219	-0.00923	0.84228	0.117468	0.01107	-0.08886	0.05498	0.045147
0.114315	0.01344	0.113631	0.01401	0.239701	1.58E-07	0.052422	0.25823	0.094698
0.031363	0.49898	-0.09622	0.03765	-0.04719	0.3089	-0.14806	0.00133	0.083868
0.065798	0.15571	-0.08941	0.0535	0.031136	0.50209	-0.09522	0.03971	0.022803
-0.09515	0.03984	0.094155	0.04197	-0.11045	0.01695	0.098219	0.03384	0.059857
0.138049	0.00279	0.045303	0.32863	0.141931	0.00211	-0.02898	0.53217	-0.08762
-0.01451	0.75441	-0.0465	0.31595	0.021984	0.6356	-0.01365	0.76855	0.070332
-0.01044	0.82195	0.034157	0.4615	-0.00458	0.92137	0.114378	0.01339	0.055983
-0.14246	0.00203	-0.05544	0.23181	-0.23278	3.64E-07	0.047523	0.30545	-0.06588
0.020552	0.65777	-0.13741	0.00292	-0.03034	0.51301	-0.25394	2.63E-08	-0.03983
-0.01467	0.75192	-0.01847	0.69052	0.075005	0.10549	-0.11118	0.01623	-0.00993
-0.00435	0.92528	0.051002	0.27137	0.050319	0.27784	0.057473	0.21508	-0.01432
0.048697	0.29365	0.03696	0.42555	0.176279	0.00013	0.042647	0.3578	0.028672
0.087191	0.05973	0.063981	0.16748	0.18163	7.90E-05	0.028698	0.53616	0.004207
0.146875	0.00146	0.024248	0.60119	0.185684	5.41E-05	-0.04086	0.37838	0.033024
0.154491	0.00081	0.073322	0.11356	0.25884	1.38E-08	-0.01832	0.693	0.01004
0.131319	0.00448	-0.04963	0.28449	0.002798	0.95192	-0.0673	0.14647	-0.01656
-0.01627	0.7259	0.009019	0.84587	0.054942	0.23601	-0.04588	0.32255	-0.01679
-0.04178	0.36766	0.059117	0.20223	-0.03842	0.40752	0.100533	0.02984	-0.09486

0.022654	0.62534	0.031603	0.49569	0.082309	0.07557	-0.08681	0.06085	-0.12769
0.033573	0.46921	0.197919	1.65E-05	0.302881	2.30E-11	0.023462	0.61305	-0.05857
0.024805	0.59287	0.020244	0.66259	0.096248	0.0376	0.004072	0.93007	-0.00205
-0.00407	0.93019	-0.07025	0.12952	0.030455	0.51148	-0.07433	0.10868	0.018444
0.03829	0.40906	0.382163	1.09E-17	0.299565	3.88E-11	0.350391	6.17E-15	-0.06909
0.051308	0.2685	-0.06426	0.16563	0.109713	0.01771	-0.13741	0.00292	0.010509
-0.15107	0.00106	0.015999	0.73022	-0.19071	3.35E-05	0.144172	0.00179	0.106972
0.020417	0.65987	0.037946	0.41329	0.147605	0.00138	-0.07648	0.09881	-0.06388
-0.06828	0.14065	-0.11733	0.01116	-0.15419	0.00083	-0.10271	0.02645	-0.06552
-0.0167	0.71884	0.130307	0.0048	0.084153	0.06923	0.000377	0.99352	-0.20584
0.012885	0.78123	-0.0466	0.31494	-0.0212	0.64778	-0.14289	0.00197	-0.10256
0.007675	0.86862	-0.12997	0.00491	0.009808	0.83259	-0.1611	0.00047	0.090512
0.114417	0.01336	0.323469	7.78E-13	0.503537	2.17E-31	0.210847	4.31E-06	0.200655
0.018974	0.68255	-0.00967	0.83484	0.037318	0.42106	-0.078	0.09224	-0.01099
0.068508	0.13935	0.260801	1.06E-08	0.249041	4.94E-08	0.27894	8.57E-10	0.174015
0.014617	0.75273	-0.00954	0.83714	-0.03028	0.51387	-0.07768	0.0936	-0.03274
0.115507	0.0125	-0.03094	0.5048	0.044801	0.33402	-0.0717	0.12181	-0.05201
0.020399	0.66016	-0.05175	0.26439	0.049198	0.2887	-0.07961	0.0857	-0.04933
0.108881	0.01859	0.080356	0.0828	0.134893	0.00349	0.041902	0.36628	-0.01761
-0.01959	0.67289	-0.00989	0.83124	0.127662	0.00573	-0.12114	0.00878	-0.06572
-0.14779	0.00136	0.062508	0.17749	-0.0113	0.80758	0.147828	0.00136	-0.02769
0.036286	0.43403	0.314252	3.66E-12	0.185581	5.47E-05	0.343039	2.42E-14	0.127814
0.040536	0.38211	0.090219	0.05137	0.154309	0.00082	-0.04575	0.32388	-0.14552
0.054164	0.24272	0.046231	0.3188	0.139974	0.00243	0.005481	0.90596	0.048646
0.074502	0.10785	0.014579	0.75335	0.042798	0.35611	-0.08665	0.06134	-0.07839
0.002875	0.9506	-0.1956	2.07E-05	-0.10087	0.02929	-0.16019	0.00051	0.036096
0.006635	0.88629	0.092513	0.0457	0.129184	0.00517	-0.02524	0.58645	-0.1354
0.137427	0.00292	0.409143	2.84E-20	0.496991	1.67E-30	0.256504	1.88E-08	0.052964
0.056618	0.222	0.109962	0.01745	0.104848	0.02345	0.036331	0.43346	-0.08975
0.049525	0.28551	-0.01785	0.70039	-0.08504	0.06635	0.026756	0.56411	0.009165
0.03106	0.50313	-0.03055	0.51012	-0.13617	0.00319	-0.0045	0.92268	-0.00888
-0.00958	0.8365	-0.03842	0.40743	-0.13334	0.00389	0.052925	0.25368	0.091566
0.142051	0.00209	0.03503	0.45013	0.109284	0.01816	0.003584	0.93842	-0.0901
0.046026	0.32095	-0.0621	0.18034	0.038367	0.40812	-0.10814	0.01941	-0.10202
0.138537	0.0027	0.013455	0.77181	0.188485	4.15E-05	-0.0625	0.17755	-0.06247
-0.0058	0.90044	0.053876	0.24524	0.131137	0.00453	-0.07282	0.11606	-0.11141
0.03585	0.43958	-0.01199	0.79611	0.041106	0.37545	-0.10567	0.02238	-0.06273
0.255598	2.12E-08	0.287821	2.33E-10	0.465764	1.60E-26	0.249457	4.68E-08	0.136381
0.026844	0.56283	-0.02647	0.56829	0.069567	0.13332	-0.04831	0.29748	-0.07942
-0.01399	0.76302	-0.00312	0.94633	0.022633	0.62565	-0.00821	0.85959	0.085931
-0.07602	0.10086	-0.2034	9.42E-06	-0.03623	0.43475	-0.22731	6.90E-07	0.06295
0.049126	0.28941	-0.02155	0.64236	0.064092	0.16674	-0.08826	0.05665	0.027153
-0.01939	0.67607	-0.19826	1.59E-05	-0.09381	0.04273	-0.1144	0.01337	0.269307
0.051071	0.27071	0.145317	0.00164	0.236492	2.34E-07	0.094865	0.04045	0.033337
0.076345	0.09939	0.033204	0.4741	0.170122	0.00022	-0.03659	0.4302	-0.06804

0.026398	0.56933	-0.04181	0.36731	0.023402	0.61395	-0.06843	0.1398	0.084939
0.043473	0.34856	0.057777	0.21267	0.089006	0.05459	-0.01399	0.76293	-0.03715
0.060812	0.18957	0.013233	0.77549	0.145016	0.00168	-0.12638	0.00624	-0.04072
0.002722	0.95321	-0.11716	0.01129	0.081332	0.07912	-0.19652	1.89E-05	0.007786
-0.14561	0.0016	0.018541	0.68942	-0.15131	0.00104	-0.02888	0.53364	-0.0903
0.013501	0.77106	-0.01172	0.80061	0.015261	0.7422	-0.00651	0.88848	0.021172
0.015282	0.74187	0.077749	0.09331	0.212842	3.48E-06	-0.02226	0.63133	-0.0453
0.085269	0.06561	-0.10181	0.02781	0.086321	0.06234	-0.15798	0.00061	-0.01251
0.055068	0.23493	0.062765	0.17572	0.100054	0.03063	-0.03476	0.45361	-0.1013
0.125575	0.00658	0.202471	1.04E-05	0.277656	1.03E-09	0.094441	0.04135	-0.01233
0.070496	0.1282	-0.00522	0.91045	0.062027	0.18086	-0.09179	0.04743	-0.06932
-0.02458	0.59624	-0.01085	0.81514	0.063491	0.17076	-0.04313	0.3524	0.028838
-0.02047	0.65905	0.085934	0.06352	0.110169	0.01724	0.109138	0.01831	-0.11029
0.079056	0.08791	0.057517	0.21473	0.180709	8.60E-05	0.025298	0.58553	0.100464
-0.11306	0.01451	0.05744	0.21535	-0.1598	0.00053	0.109756	0.01766	-0.02065
0.023107	0.61843	-0.09802	0.0342	-0.04496	0.33232	-0.09492	0.04032	0.114579
0.034198	0.46096	0.031466	0.49756	0.069873	0.13162	-0.06898	0.13662	-0.11359
-0.04472	0.33487	-0.10158	0.02817	-0.04139	0.37215	-0.12508	0.0068	-0.02158
0.059893	0.19636	0.0808	0.08111	0.251745	3.49E-08	-0.05637	0.22404	-0.036
0.081418	0.07881	0.054868	0.23664	0.193613	2.52E-05	-0.02451	0.59732	0.034372
-0.12431	0.00715	-0.04061	0.38119	-0.18598	5.27E-05	-0.04222	0.36265	-0.0488
-0.02091	0.65219	-0.06443	0.16451	0.067875	0.14304	-0.0532	0.25122	0.020922
0.18306	6.92E-05	0.262552	8.41E-09	0.240165	1.49E-07	0.212128	3.75E-06	-0.02431
-0.00073	0.98745	0.019753	0.67028	0.077403	0.09478	-0.06849	0.13945	-0.07724
-0.01776	0.70186	0.0562	0.22544	0.082228	0.07586	-0.07422	0.1092	-0.11766
0.042645	0.35783	-0.00918	0.84309	-0.04985	0.28231	-0.0822	0.07597	-0.1242
0.037873	0.4142	0.02665	0.56565	0.099417	0.03171	0.021022	0.65046	-0.04146
0.056583	0.22229	0.127615	0.00575	0.252587	3.13E-08	0.10934	0.0181	-0.01228
-0.00989	0.83122	-0.04851	0.29554	-0.09166	0.04773	-0.04735	0.30721	-0.0791
-0.0288	0.5347	0.023198	0.61705	0.119379	0.00982	-0.04833	0.29732	-0.02998
-0.15625	0.0007	-0.05376	0.24626	-0.23763	2.04E-07	-0.08281	0.0738	-0.16997
0.07134	0.12368	0.062522	0.1774	0.252418	3.20E-08	-0.034	0.46351	-0.0263
0.023009	0.61992	-0.02182	0.63813	0.013756	0.76685	0.016573	0.72093	0.060968
0.015148	0.74405	0.232909	3.58E-07	0.156149	0.00071	0.08553	0.06478	-0.1915
-0.15087	0.00107	-0.24544	7.78E-08	-0.24375	9.61E-08	-0.2349	2.83E-07	-0.11976
-0.12312	0.00773	0.010415	0.82238	-0.16202	0.00044	-0.03282	0.47927	-0.08624
0.010186	0.82623	-0.08117	0.07972	-0.01577	0.73394	-0.0731	0.11466	0.045794
0.108241	0.0193	-0.06452	0.16392	0.046968	0.31114	-0.16109	0.00047	-0.05964
0.047181	0.30895	0.100702	0.02956	0.107679	0.01994	0.020003	0.66635	0.012504
-0.15967	0.00053	-0.09362	0.04316	-0.0881	0.0571	-0.07381	0.11115	-0.01499
0.122426	0.00808	0.21857	1.86E-06	0.316751	2.42E-12	0.148267	0.00131	-0.01335
-0.16936	0.00024	-0.13476	0.00353	-0.20274	1.01E-05	-0.03475	0.45376	0.056683
0.018307	0.69314	0.2787	8.87E-10	0.309306	8.23E-12	0.191748	3.03E-05	0.113303
-0.04028	0.38513	0.033118	0.47525	0.020166	0.66381	-0.10829	0.01924	-0.12858
-0.0471	0.30978	0.113717	0.01394	0.043436	0.34897	-0.03997	0.38881	-0.1603

0.063543	0.17041	0.074072	0.10991	0.125117	0.00679	0.022362	0.62979	0.008483
0.070117	0.13027	0.141826	0.00212	0.328398	3.32E-13	0.2202	1.55E-06	0.029668
0.016818	0.71699	-0.03403	0.46318	0.036468	0.43173	-0.11562	0.01241	-0.07275
0.213779	3.14E-06	0.062364	0.1785	0.012103	0.7942	0.003096	0.94681	-0.17094
-0.0004	0.99316	0.04123	0.37401	-0.01523	0.74266	0.072126	0.11959	-0.04292
-0.13179	0.00433	-0.18833	4.21E-05	-0.16148	0.00046	-0.02257	0.62665	0.166011
0.030608	0.50936	-0.03008	0.51671	0.060928	0.18873	-0.14668	0.00148	-0.02989
0.115101	0.01281	0.066375	0.15211	0.249118	4.89E-08	0.049825	0.2826	0.105421
0.098348	0.03361	-0.00246	0.95767	0.107821	0.01978	-0.06369	0.16942	0.016031
0.085439	0.06507	0.013039	0.77868	0.124833	0.00691	-0.0767	0.09781	0.011633
0.02389	0.60659	0.117632	0.01096	0.107498	0.02015	0.043857	0.34432	-0.05763
0.020547	0.65784	0.017988	0.69823	0.042705	0.35715	0.015942	0.73115	-0.0381
0.000589	0.98986	0.046309	0.31799	0.101281	0.02864	-0.01287	0.78142	-0.00533
-0.01978	0.66982	0.049809	0.28275	0.084564	0.06788	-0.03323	0.47378	-0.03171
0.035348	0.44602	-0.00148	0.97447	-0.01761	0.7042	-0.07086	0.12623	-0.0062
-0.0067	0.88515	0.015058	0.74552	0.079303	0.08692	-0.07169	0.12184	-0.09836
0.018974	0.68256	-0.00954	0.83705	0.092895	0.04481	-0.04414	0.34122	-0.0336
0.022926	0.62119	-0.0074	0.87325	0.073853	0.11097	-0.04057	0.3817	-0.03656
0.083497	0.07144	0.032052	0.48958	0.115233	0.01271	-0.0547	0.23808	-0.013
-0.00266	0.95428	0.096344	0.03741	0.216202	2.41E-06	-0.02446	0.59795	-0.03642
-0.12322	0.00768	-0.10761	0.02002	-0.0937	0.04298	-0.17944	9.66E-05	-0.18921
-0.0958	0.03851	0.186799	4.87E-05	0.092419	0.04592	0.13287	0.00402	-0.18967
-0.07555	0.10297	0.06749	0.14533	-0.04102	0.37648	0.149172	0.00122	0.032828
0.080765	0.08124	-0.03955	0.39386	0.06959	0.13319	-0.10694	0.02081	-0.0494
0.092546	0.04562	-0.02427	0.60084	-0.03152	0.49686	-0.05097	0.27166	0.022887
-0.11989	0.00951	-0.13866	0.00267	-0.03505	0.44989	-0.18027	8.95E-05	-0.06957
0.004336	0.92555	0.054065	0.24358	0.009732	0.83387	0.069019	0.13641	0.007684
0.030809	0.50658	0.004917	0.9156	0.01298	0.77966	-0.05586	0.22826	-0.05482
0.098497	0.03334	0.066228	0.15302	0.185405	5.56E-05	-0.11032	0.01708	-0.0759
-0.18271	7.15E-05	-0.21472	2.83E-06	-0.3513	5.20E-15	-0.15347	0.00088	-0.07505
-0.16308	0.0004	-0.32465	6.35E-13	-0.31398	3.83E-12	-0.22236	1.21E-06	0.12012
0.052797	0.25484	-0.01859	0.6887	0.07932	0.08685	-0.04577	0.32365	0.012428
0.07308	0.11476	0.283016	4.74E-10	0.231076	4.45E-07	0.444769	4.56E-24	0.295945
0.062699	0.17617	-0.06438	0.16483	-0.05458	0.23912	-0.06948	0.13378	0.105098
-0.03334	0.47224	-0.12565	0.00655	-0.08336	0.07191	-0.17792	0.00011	-0.06159
0.00724	0.87601	0.084704	0.06742	0.106291	0.0216	0.039496	0.39446	-0.14524
0.077031	0.09638	-0.03426	0.46016	0.124165	0.00722	-0.06663	0.15055	-0.03181
-0.0671	0.14769	-0.22317	1.11E-06	-0.05808	0.21029	-0.29451	8.47E-11	-0.04298
0.166027	0.00031	0.094057	0.04219	0.140077	0.00241	0.044337	0.33905	-0.05247
0.059268	0.20108	-0.00732	0.8747	0.052713	0.25559	0.000986	0.98305	0.097868
-0.05013	0.27966	-0.1226	0.00799	0.030488	0.51102	-0.18082	8.51E-05	-0.00474
0.067598	0.14469	-0.02509	0.58868	0.05784	0.21217	-0.06524	0.15928	0.10842
0.049645	0.28434	-0.05562	0.23024	0.011748	0.80011	-0.13771	0.00286	-0.07342
0.077125	0.09597	0.241186	1.32E-07	0.29386	9.36E-11	0.170732	0.00021	0.124688
-0.0039	0.93302	0.099324	0.03188	0.143762	0.00184	-0.00119	0.97962	-0.16724

0.025043	0.58932	-0.04128	0.37345	0.028158	0.54386	-0.0298	0.52063	0.089081
0.076789	0.09743	0.099347	0.03184	0.212808	3.49E-06	-0.05645	0.22334	-0.10288
-0.02816	0.54386	-0.0181	0.69646	0.10603	0.02193	-0.04528	0.32882	-0.01971
0.038662	0.40453	0.016796	0.71734	0.06271	0.1761	-0.05438	0.24081	-0.04481
-0.02962	0.52312	0.015716	0.7348	0.065531	0.1574	-0.04929	0.28781	-0.14559
0.133654	0.00381	0.392867	1.10E-18	0.430555	1.69E-22	0.215015	2.75E-06	0.126746
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0.169509	0.00023	0.038143	0.41086	0.272554	2.13E-09	-0.05128	0.26872	-0.00734
-0.02446	0.59805	0.07087	0.12618	0.157035	0.00066	-0.02689	0.56219	-0.05137
0.141562	0.00217	0.286109	3.01E-10	0.322917	8.55E-13	0.248252	5.46E-08	0.2256
0.019046	0.68143	0.02864	0.53698	0.12047	0.00916	-0.10241	0.0269	-0.09782
0.027694	0.55052	0.035861	0.43944	0.106692	0.02111	-0.08964	0.05289	-0.09906
0.084271	0.06884	0.056993	0.21895	0.223462	1.07E-06	-0.04096	0.37712	-0.01794
0.000796	0.9863	0.016509	0.72197	0.096787	0.03654	-0.02288	0.62193	-0.02522
0.03054	0.51031	0.031392	0.49857	0.081071	0.08009	-0.08181	0.07736	-0.06987
-0.07589	0.10141	-0.0338	0.46618	0.005696	0.9023	-0.16607	0.00031	-0.11141
0.043758	0.34541	-0.07096	0.12571	0.151291	0.00104	-0.14411	0.0018	-0.00478
0.024406	0.59883	0.028489	0.53913	0.054951	0.23593	0.012624	0.78555	-0.06684
0.171125	0.0002	0.001451	0.97506	0.148236	0.00132	-0.0493	0.28773	-0.00709
0.073982	0.11034	0.020641	0.65639	0.069583	0.13323	-0.03861	0.40518	-0.02161
0.102926	0.02614	-0.03742	0.41983	0.010047	0.82856	-0.07414	0.1096	0.016835
0.118838	0.01016	0.021962	0.63593	0.24092	1.36E-07	-0.09083	0.04981	-0.05429
-0.00911	0.84428	0.065331	0.15868	0.025006	0.58987	-0.08998	0.05199	-0.06279
0.022956	0.62072	0.001968	0.96617	0.092861	0.04489	-0.06641	0.15192	-0.08573
0.00083	0.98573	0.03122	0.50093	0.227464	6.78E-07	0.013749	0.76697	0.079635
0.014465	0.75522	0.084506	0.06807	0.140428	0.00235	-0.00363	0.93758	-0.098
0.032886	0.47835	0.084771	0.0672	0.151554	0.00102	-0.04907	0.29	-0.15342
0.013596	0.76949	-0.08599	0.06334	-0.02254	0.62713	-0.05206	0.2615	0.191944
0.109029	0.01843	0.092157	0.04654	0.198176	1.60E-05	0.012639	0.7853	-0.08094
0.015812	0.73325	0.064469	0.16426	0.07622	0.09995	0.033192	0.47426	0.082645
0.076036	0.10077	0.077646	0.09374	0.14215	0.00207	-0.01542	0.73963	-0.14382
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-0.02748	0.55361	-0.03878	0.40313	0.150616	0.0011	-0.11706	0.01135	0.051404
0.133878	0.00375	0.114494	0.0133	0.325965	5.07E-13	0.100162	0.03045	0.118553
0.037864	0.4143	-0.1041	0.02447	-0.05683	0.22024	-0.14347	0.00188	-0.14956
0.045621	0.32524	0.138355	0.00273	0.104984	0.02327	0.165455	0.00033	0.124653
0.150207	0.00113	-0.03251	0.48343	0.165638	0.00032	-0.11723	0.01123	-0.05803
0.030184	0.51525	0.018147	0.69569	0.081784	0.07747	-0.0897	0.05272	-0.10559
-0.00936	0.84013	-0.03981	0.3907	-0.00337	0.94215	-0.12754	0.00578	-0.04341
0.080835	0.08098	0.057209	0.2172	0.18821	4.26E-05	-0.05151	0.26658	-0.05998
0.024323	0.60007	-0.10578	0.02224	-0.04407	0.34198	-0.18264	7.19E-05	-0.105
0.003095	0.94681	0.04122	0.37413	0.096986	0.03615	-0.09205	0.04681	-0.13872
0.02486	0.59205	0.231977	4.00E-07	0.193085	2.66E-05	0.095508	0.0391	-0.11827
0.007258	0.8757	-0.05129	0.26863	-0.02649	0.56792	-0.13453	0.00358	-0.11566



0.025801	0.5781	-0.08943	0.05344	0.031474	0.49745	-0.18631	5.10E-05	-0.02881
0.070163	0.13002	0.004393	0.92457	0.076334	0.09944	-0.05745	0.21529	-0.08241
0.050201	0.27897	0.28317	4.64E-10	0.234954	2.81E-07	0.172988	0.00017	-0.12675
-0.01729	0.7094	-0.01292	0.78072	0.119085	0.01	-0.11121	0.0162	-0.06462
0.059002	0.20311	-0.05653	0.22275	0.194015	2.43E-05	-0.13307	0.00397	0.029643
0.09502	0.04012	0.064929	0.16126	0.27082	2.71E-09	-0.0417	0.36856	-0.01078
0.070532	0.128	0.0005	0.9914	0.144468	0.00175	-0.16163	0.00045	-0.05695
-0.00182	0.96878	-0.0091	0.8445	0.119596	0.00969	-0.06834	0.14032	-0.08431
0.044806	0.33396	0.03733	0.42092	0.119221	0.00992	-0.02975	0.52133	-0.01511
0.08349	0.07146	-0.03069	0.50825	0.031748	0.49372	-0.07622	0.09997	-0.1027
0.037836	0.41465	0.006455	0.88935	0.088936	0.05479	-0.07789	0.09273	-0.05785
0.040573	0.38168	-0.04683	0.31257	0.082249	0.07579	-0.10747	0.02018	-0.06579
0.095178	0.03978	0.162007	0.00044	0.201111	1.19E-05	0.051559	0.26616	0.037585
-0.13061	0.0047	-0.02862	0.5373	-0.10526	0.02292	0.08902	0.05455	0.191267
0.078904	0.08853	-0.00065	0.98881	0.10505	0.02319	-0.04167	0.36897	0.148916
0.044033	0.34238	-0.10579	0.02223	0.015684	0.73533	-0.09554	0.03904	-0.05182
0.029707	0.52191	0.005375	0.90777	0.168015	0.00027	-0.07409	0.1098	-0.03962
0.028928	0.53289	0.118887	0.01013	0.238915	1.74E-07	-0.02344	0.61332	-0.09185
-0.05413	0.24298	0.036114	0.43622	-0.11719	0.01126	0.084158	0.06921	-0.0252
0.084047	0.06958	0.04258	0.35856	0.232592	3.72E-07	-0.06976	0.13227	0.076834
0.053755	0.2463	0.149305	0.00121	0.237602	2.04E-07	0.108462	0.01905	0.118359
-0.02118	0.64793	0.159513	0.00054	0.17927	9.81E-05	0.09611	0.03788	0.158545
0.003627	0.93769	-0.03998	0.38868	0.05112	0.27026	-0.07932	0.08684	0.018246
0.004988	0.91439	-0.00719	0.8769	0.076624	0.09816	-0.05134	0.26819	-0.01237
0.030066	0.5169	0.093014	0.04454	0.209078	5.20E-06	-0.06432	0.16526	-0.08147
0.001827	0.9686	-0.01141	0.80575	-0.00499	0.91438	-0.10292	0.02615	-0.04937
-0.01115	0.81017	-0.02583	0.57765	-0.00793	0.86422	-0.09119	0.04891	-0.12981
0.010877	0.81465	0.087692	0.05828	0.237145	2.16E-07	-0.01619	0.72711	-0.02827
-0.02338	0.61423	0.003353	0.94239	-0.00589	0.89892	-0.10918	0.01827	-0.09826
0.105267	0.0229	0.034573	0.45606	0.221026	1.41E-06	-0.06471	0.16269	0.049056
0.03074	0.50754	-0.00563	0.9034	0.124947	0.00686	-0.02278	0.62334	0.062683
0.046489	0.31611	-0.05509	0.23476	-0.0301	0.51643	-0.06716	0.14733	-0.08983
0.132596	0.0041	0.116733	0.01159	0.129459	0.00508	0.009197	0.84286	-0.07567
0.006565	0.88749	0.103842	0.02483	0.202059	1.08E-05	-0.03029	0.51379	-0.01962
0.036175	0.43545	-0.13685	0.00304	0.115993	0.01213	-0.20671	6.68E-06	0.034634
-0.02102	0.65053	0.053456	0.24895	0.004208	0.92773	0.028132	0.54424	-0.09191
0.054201	0.2424	0.006439	0.88962	0.133159	0.00394	-0.10496	0.0233	-0.06611
0.025435	0.58351	-0.06731	0.14639	0.020959	0.65143	-0.12101	0.00885	0.023233
0.065953	0.15474	0.118061	0.01067	0.226301	7.75E-07	0.008291	0.85817	-0.08213
0.025212	0.58681	0.083241	0.07231	0.173692	0.00016	0.040181	0.3863	-0.00145
-0.00923	0.84232	0.095492	0.03913	0.13191	0.0043	-0.01583	0.73293	-0.10102
0.059864	0.19658	-0.09761	0.03497	0.011456	0.80498	-0.09667	0.03677	0.076614
-0.03725	0.42194	-0.10422	0.02431	0.091708	0.04763	-0.17448	0.00015	-0.03475
0.068549	0.13911	-0.01551	0.73816	0.108963	0.0185	0.059918	0.19617	0.081462
-0.02704	0.55993	-0.06503	0.16063	0.039696	0.39207	-0.12869	0.00535	-0.15564

-0.13768	0.00287	-0.00855	0.85385	-0.23135	4.31E-07	0.070277	0.12939	-0.02578
0.11524	0.0127	-0.07515	0.10483	0.079406	0.08651	-0.12832	0.00549	-0.01631
0.07135	0.12363	0.190437	3.44E-05	0.325701	5.30E-13	0.078001	0.09225	-0.00718
0.050562	0.27552	-0.03278	0.47982	0.222305	1.22E-06	-0.17995	9.22E-05	0.006773
0.052652	0.25614	-0.06661	0.15067	0.123533	0.00753	-0.1222	0.0082	0.111258
0.029219	0.52878	-0.06646	0.15161	0.053743	0.2464	-0.07512	0.10497	0.080509
0.084896	0.0668	0.017476	0.70641	0.182768	7.11E-05	0.023777	0.60829	-0.02222
0.024888	0.59163	-0.04001	0.3883	0.017474	0.70644	-0.13946	0.00252	-0.15804
0.041521	0.37065	0.077134	0.09593	0.109782	0.01763	-0.00099	0.9829	-0.04486
0.039844	0.39031	0.04846	0.296	-0.00321	0.94477	-0.02741	0.55468	-0.13626
0.094048	0.04221	0.00562	0.9036	0.260036	1.18E-08	-0.10471	0.02364	0.002052
0.183276	6.78E-05	0.269093	3.44E-09	0.477829	5.18E-28	0.157915	0.00061	0.159974
0.273019	1.99E-09	0.2044	8.49E-06	0.438357	2.38E-23	0.116951	0.01143	0.083442
-0.04303	0.35354	0.048731	0.29331	0.063431	0.17117	-0.05612	0.22607	-0.13798
0.0389	0.40164	-0.03743	0.4197	0.030897	0.50538	-0.11694	0.01144	-0.09079
0.067737	0.14386	0.023933	0.60593	0.071176	0.12455	-0.0438	0.34498	-0.00545
-0.10659	0.02123	-0.088	0.0574	0.032658	0.48141	-0.07364	0.11201	0.004949
-0.00876	0.85024	0.089173	0.05414	0.036578	0.43034	0.000646	0.98889	-0.10338
0.012625	0.78553	0.015693	0.73519	0.023478	0.6128	-0.02041	0.66001	-0.06062
0.013924	0.76409	-0.01003	0.82891	0.072836	0.11598	0.007839	0.86584	0.085891
-0.09745	0.03526	0.038545	0.40595	-0.12517	0.00676	0.183289	6.77E-05	0.130841
0.103152	0.02581	0.149718	0.00117	0.237672	2.02E-07	0.085105	0.06613	0.065144
0.056981	0.21905	-0.01518	0.74348	-0.00205	0.9648	-0.10083	0.02936	0.00476
0.116057	0.01208	0.077035	0.09636	0.286063	3.03E-10	0.051842	0.26354	0.006026
0.127494	0.0058	0.247598	5.93E-08	0.3753	4.56E-17	0.139398	0.00254	0.003807
-0.01893	0.68324	-0.09898	0.03248	0.020154	0.664	-0.11592	0.01218	0.095525
0.07225	0.11895	-0.09419	0.04191	0.087064	0.06011	-0.09433	0.0416	0.089959
0.05937	0.2003	0.078682	0.08943	0.198149	1.61E-05	0.05281	0.25472	0.220298
0.038912	0.40149	-0.06251	0.17751	-0.01141	0.80578	-0.10637	0.0215	0.017236
0.086455	0.06193	-0.13242	0.00415	0.039801	0.39081	-0.18369	6.53E-05	0.035728
0.016397	0.72378	0.006702	0.88515	0.134074	0.0037	-0.10179	0.02784	-0.04985
-0.01154	0.80364	-0.13989	0.00245	-0.02806	0.54532	-0.18734	4.63E-05	0.06414
0.135446	0.00336	0.151375	0.00103	0.344291	1.93E-14	0.070855	0.12626	0.042076
0.093657	0.04308	0.10004	0.03066	0.139267	0.00256	-0.02984	0.52002	-0.15122
-0.08186	0.07718	-0.02045	0.65936	-0.07072	0.12701	0.089219	0.05402	0.021059
0.024805	0.59287	0.038557	0.40581	0.10021	0.03037	-0.04727	0.30801	-0.03706
0.052373	0.25867	0.039324	0.39652	0.158453	0.00059	-0.0001	0.99826	0.154047
-0.02413	0.60297	-0.13613	0.0032	0.021149	0.64849	-0.20164	1.13E-05	-0.12055
-0.10769	0.01993	0.115932	0.01217	0.029716	0.52179	0.148206	0.00132	0.00663
0.084676	0.06751	-0.03321	0.47407	0.065185	0.15961	-0.05724	0.21692	0.147804
0.138064	0.00279	0.130675	0.00468	0.262457	8.52E-09	0.037188	0.4227	0.123
0.156919	0.00067	0.220809	1.45E-06	0.260121	1.17E-08	0.078071	0.09196	-0.00628
0.088416	0.05622	-0.03333	0.47245	0.152549	0.00094	-0.03933	0.3965	0.203332
0.005685	0.90248	-0.10492	0.02336	0.05387	0.24529	-0.14327	0.00191	0.014284
-0.02178	0.63877	0.100546	0.02982	-0.01111	0.81069	0.09846	0.0334	0.047976

0.05787	0.21193	0.077868	0.0928	-0.0117	0.80094	0.162695	0.00042	0.127511
-0.0413	0.3732	-0.00741	0.8732	0.055021	0.23534	-0.12361	0.00749	-0.12584
0.128895	0.00528	0.13558	0.00333	0.227193	6.99E-07	-0.00393	0.93243	-0.07483
-0.24013	1.50E-07	-0.22499	9.01E-07	-0.35084	5.67E-15	-0.21093	4.27E-06	-0.10352
-0.0011	0.98102	0.013979	0.76319	0.064733	0.16253	0.001302	0.97762	-0.03355
0.408528	3.27E-20	0.082557	0.07469	0.203637	9.19E-06	0.034201	0.46093	-0.03978
0.117583	0.01099	0.024626	0.59554	0.166697	0.0003	-0.02931	0.52746	-0.00409
0.085623	0.06449	0.06762	0.14455	0.133186	0.00394	-0.05711	0.21803	-0.07939
-0.02798	0.54638	0.030509	0.51074	0.134051	0.00371	-0.06331	0.17197	-0.08023
-0.03196	0.4908	-0.03687	0.42663	0.049424	0.28649	-0.03215	0.48823	0.02261
-0.14211	0.00208	-0.10012	0.03052	-0.23895	1.73E-07	-0.01255	0.78683	0.008137
0.132872	0.00402	0.012247	0.79181	0.081992	0.07671	-0.01523	0.74269	-0.03234
0.169215	0.00024	0.344754	1.77E-14	0.44713	2.46E-24	0.18388	6.41E-05	-0.03868
0.082374	0.07534	0.070461	0.12839	0.118164	0.0106	0.036729	0.42844	0.146223
0.046472	0.31629	-0.02282	0.62281	0.158845	0.00057	-0.07779	0.09313	0.104972
-0.00976	0.83332	0.06416	0.16629	0.172469	0.00018	-0.03513	0.44883	-0.07827
0.128246	0.00551	0.240763	1.39E-07	0.39435	7.95E-19	0.107659	0.01996	0.027631
0.057479	0.21504	0.067132	0.14748	0.119807	0.00956	-0.04076	0.37947	-0.06744
-0.00186	0.96799	0.030794	0.50679	0.114282	0.01347	-0.01549	0.7385	-0.07266
-0.0041	0.92966	0.127299	0.00587	0.102412	0.02689	0.016243	0.72626	-0.16296
-0.02832	0.54161	0.044286	0.33962	0.092215	0.0464	0.04495	0.33241	0.124327
0.036795	0.42761	-0.03785	0.41447	0.045831	0.32302	-0.06296	0.17434	0.056565
0.058413	0.20766	-0.00693	0.88123	0.055757	0.22912	-0.08304	0.073	-0.09102
-0.0545	0.23982	-0.07378	0.11131	-0.04121	0.37423	-0.22877	5.82E-07	-0.14941
-0.04435	0.33892	0.009486	0.838	0.036647	0.42948	-0.08212	0.07626	-0.04007
0.034618	0.45547	0.103256	0.02566	0.167762	0.00027	0.067071	0.14785	0.092839
0.017162	0.71145	-0.02574	0.579	0.035449	0.44472	-0.12192	0.00835	-0.13335
-0.00504	0.91354	-0.00811	0.86128	-0.05736	0.21597	0.07145	0.12311	0.125899
-0.0252	0.58699	0.183749	6.49E-05	0.204718	8.22E-06	0.094528	0.04116	-0.06706
-0.03741	0.41997	0.036984	0.42524	0.162095	0.00044	-0.02429	0.60062	-0.05876
0.054846	0.23683	-0.05922	0.20141	0.104339	0.02414	-0.17803	0.00011	-0.11222
0.144997	0.00168	0.085581	0.06462	0.25684	1.80E-08	-0.05666	0.22169	-0.09173
-0.02124	0.64706	0.009803	0.83267	0.082989	0.07318	-0.07519	0.10462	-0.00893
-0.10987	0.01755	0.077492	0.0944	-0.07397	0.1104	0.143661	0.00186	0.004057
0.03777	0.41547	-0.07137	0.12351	0.079003	0.08813	-0.19398	2.43E-05	-0.10254
0.129764	0.00498	0.312586	4.82E-12	0.413591	1.01E-20	0.240173	1.49E-07	0.059752
0.022763	0.62367	0.027606	0.55179	0.171772	0.00019	0.043721	0.34582	0.140875
0.004309	0.926	0.112268	0.01521	0.137423	0.00292	0.049685	0.28395	-0.10485
-0.01641	0.72358	-0.09092	0.04958	-0.01923	0.67858	-0.14693	0.00145	-0.0431
0.075601	0.10274	0.212985	3.42E-06	0.309969	7.39E-12	0.293013	1.07E-10	0.465883
-0.03169	0.49449	-0.0032	0.94499	-0.17878	0.0001	0.070696	0.12712	0.048963
-0.03538	0.44565	0.18143	8.05E-05	0.047561	0.30507	0.266706	4.78E-09	0.461269
-0.05587	0.2282	0.021517	0.6428	0.093784	0.04279	-0.15226	0.00096	-0.10988
0.0962	0.0377	0.059667	0.19805	0.193042	2.67E-05	0.058463	0.20728	0.244974
-0.05582	0.22856	0.00191	0.96716	0.063796	0.16872	0.034401	0.4583	-0.00143

0.038729	0.40371	0.045565	0.32584	0.130169	0.00484	0.065348	0.15857	0.147108
0.005955	0.89787	-0.02695	0.56128	0.01389	0.76465	-0.09123	0.04879	-0.02761
-0.02849	0.53907	0.09832	0.03366	0.115961	0.01215	0.022481	0.62798	-0.08252
0.005087	0.91269	0.141772	0.00213	0.215747	2.53E-06	0.010539	0.82031	-0.10463
0.101395	0.02846	0.101935	0.02762	0.240894	1.37E-07	-0.02332	0.6152	-0.02605
0.099128	0.03222	0.433794	7.53E-23	0.312553	4.84E-12	0.289177	1.90E-10	-0.16311
0.038595	0.40535	0.029066	0.53094	0.172185	0.00018	-0.07854	0.09002	-0.09558
-0.0604	0.19261	-0.06735	0.14618	-0.22867	5.90E-07	-0.02575	0.57879	-0.04016
-0.08217	0.07609	-0.02786	0.54814	-0.18185	7.74E-05	0.03311	0.47535	-0.00761
-0.06084	0.18934	0.089082	0.05439	-0.08729	0.05945	0.194119	2.40E-05	-0.01654
-0.09595	0.03821	-0.20823	5.69E-06	-0.18842	4.18E-05	-0.1197	0.00962	0.183473
0.008752	0.85039	-0.02173	0.63954	0.094333	0.04159	-0.09668	0.03674	0.09723
0.015022	0.74611	-0.00858	0.85327	0.033568	0.46927	-0.09957	0.03145	-0.04409
-0.0423	0.36174	-0.06475	0.1624	-0.12895	0.00526	-0.03006	0.51703	0.120537
-0.0165	0.72206	0.042528	0.35915	-0.02422	0.60168	-0.04289	0.35512	-0.25658
0.025993	0.57527	-0.00158	0.97278	0.13392	0.00374	-0.11011	0.0173	0.013884
-0.00194	0.96666	0.037669	0.41672	0.055106	0.23461	0.022266	0.63126	-0.03549
0.083257	0.07226	0.049038	0.29028	0.093539	0.04334	0.004724	0.9189	0.00649
-0.04875	0.29313	-0.06802	0.14218	0.026302	0.57074	-0.13885	0.00264	0.044231
-0.0168	0.7172	0.028356	0.54103	0.122472	0.00806	-0.00921	0.84265	-0.03183
-0.01812	0.6961	0.097761	0.03468	0.126814	0.00607	-0.01881	0.68508	-0.12259
0.016758	0.71795	-0.03434	0.45906	-0.07927	0.08706	-0.07737	0.09491	-0.20563
-0.03252	0.48326	0.088886	0.05492	0.051327	0.26832	0.056157	0.22579	-0.074
0.018972	0.68259	0.075494	0.10323	0.183494	6.65E-05	-0.07038	0.12884	-0.05113
-0.1189	0.01012	-0.26599	5.28E-09	-0.14889	0.00125	-0.23933	1.66E-07	0.0052
0.005806	0.90043	0.012969	0.77985	0.089323	0.05373	-0.09861	0.03314	-0.10191
0.064496	0.16408	-0.00909	0.84476	0.077376	0.09489	-0.03712	0.42354	0.008429
0.071071	0.12511	0.119948	0.00947	0.04452	0.33706	0.033632	0.46843	-0.17485
0.065935	0.15485	-0.01608	0.72886	0.073349	0.11343	-0.08844	0.05616	-0.09586
0.06548	0.15772	-0.12338	0.0076	-0.03454	0.45645	-0.12271	0.00794	0.041072
0.075913	0.10133	0.06655	0.15103	0.126909	0.00603	-0.03348	0.47045	-0.06518
0.154776	0.00079	0.240194	1.49E-07	0.337777	6.31E-14	0.142069	0.00209	0.123447
0.118896	0.01012	-0.03062	0.50914	0.116815	0.01153	-0.14962	0.00118	0.048918
0.039995	0.38851	0.146873	0.00146	0.105033	0.02321	0.082959	0.07329	0.090314
-0.02516	0.58753	-0.16293	0.00041	-0.13749	0.00291	-0.1518	0.001	0.041795
-0.11745	0.01108	-0.03701	0.42494	-0.19125	3.18E-05	0.016341	0.72468	0.168761
0.02181	0.63827	0.048063	0.29998	0.07368	0.11181	0.013238	0.77539	-0.17997
0.055073	0.23489	-0.08102	0.08027	0.042621	0.35809	-0.13976	0.00247	0.127261
0.028282	0.54208	-0.10659	0.02124	0.01352	0.77075	-0.21152	4.01E-06	-0.01757
0.023094	0.61862	0.019318	0.67713	0.141963	0.0021	-0.09936	0.03181	0.001475
0.049123	0.28944	-0.1169	0.01147	0.01246	0.78827	-0.12022	0.00931	0.002593
0.043811	0.34482	-0.06482	0.162	0.106537	0.0213	-0.11777	0.01087	-0.01845
0.05003	0.28061	-0.08633	0.06231	0.140892	0.00227	-0.16152	0.00046	0.001422
-0.00882	0.84923	0.048677	0.29385	-0.09626	0.03757	-0.00865	0.85216	-0.09701
-0.06081	0.18955	0.210627	4.41E-06	0.078178	0.09151	0.196384	1.92E-05	-0.07958

0.012289	0.79112	-0.13543	0.00336	-0.02578	0.57841	-0.16747	0.00028	-0.0536
-0.05558	0.23058	-0.03729	0.42142	0.018001	0.69802	0.016265	0.72591	0.041803
-0.03042	0.512	0.172345	0.00018	0.164549	0.00036	0.052359	0.2588	-0.12437
-0.01757	0.70487	-0.07873	0.08925	0.028736	0.53561	-0.14615	0.00154	-0.00635
-0.08956	0.05311	-0.1067	0.0211	-0.06377	0.16886	-0.11273	0.01479	-0.09684
-0.00744	0.87263	-0.08774	0.05815	0.024539	0.59684	-0.10568	0.02237	0.146409
0.113369	0.01424	-0.03589	0.43901	0.097957	0.03432	-0.10333	0.02555	-0.00556
-0.03485	0.45241	-0.10899	0.01848	-0.19896	1.48E-05	-0.01257	0.78646	0.06088
0.12609	0.00636	0.025276	0.58587	0.281824	5.64E-10	-0.08656	0.06162	-0.02394
-0.00563	0.90348	-0.01596	0.7308	0.054551	0.23937	-0.11703	0.01138	-0.08807
0.049569	0.28508	-0.00404	0.93063	0.094463	0.04131	-0.05559	0.23051	-0.12371
0.024809	0.59281	0.032632	0.48175	0.05487	0.23663	0.074375	0.10845	-0.05304
-0.02195	0.63609	-0.0186	0.68849	0.002143	0.96317	-0.07374	0.1115	-0.04785
0.007845	0.86574	0.020712	0.65529	-0.03203	0.48987	0.127402	0.00583	0.156492
0.053021	0.25282	0.051383	0.26779	0.04502	0.33166	0.001084	0.98136	0.033742
-0.02973	0.52166	-0.14187	0.00212	-0.05353	0.24832	-0.19162	3.07E-05	-0.04063
0.014406	0.75619	0.100443	0.02999	0.23654	2.32E-07	-0.0021	0.96388	0.03215
0.022734	0.62411	0.038951	0.40101	0.108053	0.01951	-0.02166	0.64052	-0.13541
0.199658	1.38E-05	0.344944	1.71E-14	0.464232	2.45E-26	0.222957	1.14E-06	0.209979
-0.08482	0.06704	-0.15491	0.00078	-0.17399	0.00016	-0.12392	0.00734	-0.10254
-0.00845	0.85555	-0.06006	0.19515	-0.06098	0.18837	-0.16276	0.00041	-0.13473
-0.01241	0.7891	0.015431	0.73944	0.009326	0.84071	-0.03954	0.39398	-0.10154
0.123156	0.00771	0.089324	0.05373	0.250702	3.99E-08	0.038648	0.40469	0.138204
0.070851	0.12628	0.109229	0.01822	0.199465	1.41E-05	0.030275	0.51399	-0.03073
0.05225	0.25979	-0.12612	0.00635	0.014887	0.74832	-0.12993	0.00492	0.014019
-0.06884	0.13742	-0.14269	0.00199	-0.13069	0.00467	-0.16858	0.00025	0.029658
0.030682	0.50834	-0.0827	0.07418	-0.06028	0.19348	-0.16868	0.00025	-0.07576
0.11679	0.01155	0.17445	0.00015	0.217722	2.04E-06	0.104855	0.02345	0.151604
0.042819	0.35586	-0.07642	0.09907	0.096017	0.03806	-0.1434	0.00189	0.129551
0.101459	0.02836	0.236395	2.36E-07	0.195608	2.07E-05	0.156183	0.00071	0.02281
0.082854	0.07365	0.040544	0.38203	0.126858	0.00605	-0.07545	0.10344	-0.02811
0.088144	0.05699	0.078894	0.08857	0.178888	0.0001	-0.07139	0.12342	-0.0667
0.074493	0.10789	-0.05647	0.22325	0.031853	0.49229	-0.11336	0.01425	-0.00141
0.032087	0.48911	0.002551	0.95615	0.049338	0.28733	-0.05946	0.19961	-0.09333
0.023991	0.60505	0.009634	0.8355	0.100626	0.02969	0.116951	0.01143	0.243468
0.007034	0.8795	-0.06042	0.19243	0.017502	0.70599	-0.12545	0.00664	-0.0033
0.010695	0.8177	-0.06334	0.1718	0.074526	0.10774	-0.12576	0.0065	0.001911
0.031817	0.49278	-0.02968	0.52232	0.060438	0.19232	-0.08677	0.06097	0.057782
0.05315	0.25166	-0.04077	0.37936	0.060366	0.19285	-0.06005	0.19522	0.088401
-0.04114	0.37502	0.005086	0.91272	0.03335	0.47216	-0.06097	0.18842	-0.11881
-0.00767	0.86872	0.154724	0.00079	0.186752	4.89E-05	-0.02012	0.66446	-0.08096
-0.15158	0.00102	-0.11016	0.01724	-0.231	4.49E-07	0.043733	0.34568	0.17933
0.223266	1.10E-06	0.228557	5.97E-07	0.423888	8.66E-22	0.159921	0.00052	0.282321
0.073614	0.11213	-0.08118	0.07969	0.153246	0.00089	-0.11781	0.01083	0.033704
-0.05454	0.23946	-0.08492	0.06673	-0.02736	0.55536	-0.19792	1.65E-05	-0.09958

0.009395	0.83954	0.016854	0.71641	0.093967	0.04239	-0.08326	0.07225	-0.12159
0.050755	0.27369	0.021146	0.64854	0.18675	4.89E-05	-0.04274	0.35679	-0.01102
0.069653	0.13284	0.11358	0.01406	0.13472	0.00354	-0.03035	0.51301	-0.14462
0.008028	0.86263	-0.0254	0.58402	0.10303	0.02598	-0.08499	0.0665	-0.00092
-0.00874	0.85063	0.116805	0.01154	0.091566	0.04797	0.035454	0.44465	-0.01125
0.024271	0.60085	-0.04158	0.36995	0.077386	0.09485	-0.16846	0.00026	-0.01739
0.001514	0.97398	0.049292	0.28778	0.094116	0.04206	-0.07464	0.10718	-0.15337
0.044387	0.33851	0.142113	0.00208	0.232966	3.56E-07	0.091487	0.04817	0.062272
0.061873	0.18195	-0.03803	0.41222	0.080646	0.0817	-0.10553	0.02256	-0.01811
0.04422	0.34033	-0.09	0.05194	0.112348	0.01514	-0.08598	0.06338	0.072801
-0.01483	0.74917	-0.01666	0.71955	0.026965	0.56107	0.100089	0.03057	0.351183
0.013536	0.77048	-0.02691	0.5619	0.016556	0.72121	-0.15004	0.00115	-0.02338
0.005974	0.89755	-0.12219	0.00821	-0.03234	0.48567	-0.19966	1.38E-05	0.048527
0.068858	0.13733	0.112688	0.01483	0.165671	0.00032	0.045123	0.33056	-0.01655
-0.0358	0.44025	-0.02265	0.62535	-0.09607	0.03796	-0.08754	0.05871	-0.02034
0.21926	1.72E-06	0.214852	2.79E-06	0.355999	2.12E-15	0.121565	0.00854	0.226774
0.003341	0.94259	0.058805	0.20463	0.121485	0.00859	-0.00819	0.85995	-0.0729
0.038958	0.40093	-0.13438	0.00362	-0.06972	0.13247	-0.12868	0.00536	0.152026
-0.00885	0.84864	0.051402	0.26762	0.006456	0.88934	0.035098	0.44924	0.048299
-0.18557	5.47E-05	0.027055	0.55976	-0.11732	0.01117	0.031557	0.49632	-0.04977
0.043877	0.34409	0.049538	0.28538	0.13851	0.0027	-0.09535	0.03943	-0.13645
0.011086	0.81115	-0.02999	0.51792	0.01632	0.72501	-0.06118	0.18693	-0.12907
0.044184	0.34072	0.107411	0.02025	0.175472	0.00014	-0.02681	0.56335	-0.04009
-0.01117	0.80972	0.021191	0.64785	0.081482	0.07857	-0.10508	0.02314	-0.13054
-0.06782	0.14337	0.09823	0.03382	0.120039	0.00942	0.059441	0.19977	-0.02296
0.081091	0.08002	0.035837	0.43975	0.189243	3.86E-05	-0.10299	0.02603	-0.09572
0.026185	0.57245	-0.05146	0.26703	0.025467	0.58303	-0.11045	0.01695	-0.14856
0.057475	0.21507	-0.06903	0.13637	0.105139	0.02307	-0.13282	0.00403	-0.05245
0.053446	0.24903	0.017223	0.71047	0.151658	0.00101	-0.05759	0.21413	-0.00895
-0.0642	0.16603	0.085084	0.0662	-0.09593	0.03824	0.168845	0.00025	0.053569
0.044563	0.33659	-0.19066	3.36E-05	0.042568	0.35869	-0.26965	3.19E-09	0.0515
-0.07068	0.12722	0.015057	0.74554	-0.05818	0.20946	-0.12641	0.00623	-0.10279
-0.01131	0.80746	-0.07293	0.1155	-0.07154	0.12263	-0.15985	0.00053	-0.14396
-0.0512	0.26948	0.103872	0.02478	0.105856	0.02214	-0.01123	0.80872	-0.02826
0.046277	0.31832	-0.02792	0.54733	0.043935	0.34346	-0.04441	0.33829	-0.01407
0.063142	0.17313	-0.01244	0.7886	0.031877	0.49196	-0.05236	0.25883	-0.06471
0.044176	0.34081	-0.00351	0.93962	0.05287	0.25418	-0.06377	0.1689	0.036313
-0.08545	0.06502	-0.19463	2.28E-05	-0.1637	0.00038	-0.13524	0.00341	0.136952
0.155932	0.00072	0.106769	0.02101	0.066011	0.15438	0.083246	0.07229	0.005654
-0.03285	0.47881	0.035993	0.43776	-0.09092	0.04957	-0.04393	0.3435	-0.03569
0.059829	0.19684	0.005198	0.9108	0.141259	0.00221	-0.12609	0.00636	-0.10041
0.151732	0.001	0.230446	4.79E-07	0.265796	5.42E-09	0.066013	0.15436	-0.07884
0.002324	0.96005	0.007361	0.87394	0.123123	0.00773	-0.01037	0.8231	0.159467
-0.04915	0.28914	-0.02377	0.60833	-0.08927	0.05388	-0.05583	0.22853	-0.09112
0.054278	0.24173	0.011631	0.80206	0.12817	0.00554	-0.1199	0.0095	-0.03727

-0.1063	0.02159	-0.19762	1.70E-05	-0.20216	1.07E-05	-0.14745	0.0014	0.088724
-0.00061	0.98959	0.052164	0.26058	0.050244	0.27856	-0.04253	0.35914	-0.00604
0.020903	0.65231	-0.09321	0.04409	0.034463	0.4575	-0.13918	0.00257	0.041582
-0.07584	0.10165	-0.07663	0.09813	0.095353	0.03942	-0.1861	5.21E-05	-0.10668
-0.0029	0.9501	-0.07106	0.12515	-0.08734	0.05928	-0.03575	0.44084	0.063278
0.007177	0.87708	-0.05319	0.25132	0.140095	0.00241	-0.13915	0.00258	0.003219
0.066636	0.1505	0.070845	0.12632	0.146408	0.00151	0.078229	0.0913	0.205974
0.070095	0.13039	0.041166	0.37476	0.183483	6.65E-05	-0.09288	0.04485	-0.03063
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0.014507	0.75453	-0.09667	0.03676	0.010143	0.82695	-0.11675	0.01157	-0.08859
0.025816	0.57788	0.051503	0.26668	0.147321	0.00141	-0.02432	0.6001	-0.09275
-0.12892	0.00527	-0.06281	0.1754	0.062654	0.17648	-0.13489	0.00349	-0.0529
-0.11575	0.01231	-0.0204	0.6601	-0.10417	0.02437	0.028268	0.54229	0.116672
0.146827	0.00146	0.155668	0.00074	0.298498	4.58E-11	0.114416	0.01336	0.085087
-0.06041	0.19249	0.003204	0.94494	-0.15025	0.00113	-0.01646	0.7227	-0.14062
0.055294	0.23302	0.0378	0.41509	0.021609	0.64137	-0.01681	0.71717	-0.04475
-0.01739	0.70783	0.025745	0.57892	0.136665	0.00308	-0.12992	0.00492	-0.10591
0.053914	0.2449	-0.09662	0.03686	-0.03817	0.41051	-0.17801	0.00011	-0.03692
-0.02085	0.65319	-0.07581	0.10178	0.02585	0.57738	-0.1729	0.00017	-0.07013
-0.02479	0.59305	-0.13349	0.00385	-0.02622	0.57195	-0.14203	0.00209	-0.02726
0.027679	0.55073	-0.09723	0.03568	0.083145	0.07264	-0.17487	0.00015	-0.00163
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0.033909	0.46477	-0.01056	0.81992	0.079779	0.08504	-0.10761	0.02002	-0.02589
0.031353	0.49911	-0.04576	0.32374	0.088779	0.05522	-0.13982	0.00246	-0.01724
0.040082	0.38748	-0.01074	0.81689	0.0949	0.04037	-0.02357	0.61146	0.090178
0.021172	0.64813	-0.06543	0.15804	0.010343	0.82359	-0.13819	0.00277	-0.06677
0.028702	0.5361	-0.09121	0.04886	-0.04776	0.30309	-0.10221	0.0272	-0.04943
0.054564	0.23925	0.050039	0.28053	0.207872	5.91E-06	-0.03537	0.44576	-0.01551
0.05147	0.26698	-0.03142	0.49813	0.133186	0.00394	-0.11918	0.00994	-0.00977
0.022961	0.62065	-0.04697	0.3111	0.110437	0.01696	-0.11973	0.00961	-0.00985
0.055207	0.23376	0.017136	0.71187	0.185874	5.32E-05	-0.09001	0.0519	-0.02022
0.074698	0.10693	0.037567	0.41797	0.180678	8.62E-05	-0.07654	0.09855	0.004875
0.051845	0.26351	-0.06363	0.16985	0.087977	0.05746	-0.09353	0.04337	-0.00068
0.017035	0.7135	-0.07147	0.12301	0.095597	0.03892	-0.12153	0.00857	-0.03323
0.023808	0.60782	-0.00018	0.99688	0.123534	0.00752	-0.0452	0.32975	0.012038
-0.00054	0.99064	-0.01556	0.73731	0.126522	0.00618	-0.05174	0.26449	-0.02158
-0.06151	0.18452	-0.05213	0.26092	-0.08916	0.05416	-0.0015	0.97425	0.061812
0.099649	0.03132	0.039874	0.38995	0.202915	9.90E-06	-0.07974	0.0852	-0.06468
0.044474	0.33757	-0.01335	0.77359	0.127957	0.00562	-0.05746	0.2152	0.002843
0.106324	0.02156	0.17556	0.00014	0.254035	2.60E-08	0.173142	0.00017	0.10419
0.057293	0.21653	-0.04767	0.30392	0.061314	0.18594	-0.07798	0.09234	-0.07653
0.03211	0.4888	0.04756	0.30507	0.117125	0.01131	-0.04188	0.36655	-0.08802
0.038774	0.40317	0.010825	0.81552	0.182838	7.06E-05	-0.15059	0.0011	-0.07083
0.031768	0.49344	0.00759	0.87006	0.178618	0.0001	-0.07549	0.10325	0.072405
0.017859	0.70028	-0.05626	0.22495	0.067109	0.14762	-0.17869	0.0001	-0.0861

0.002733	0.95303	-0.1625	0.00042	0.007551	0.87072	-0.21126	4.12E-06	-0.0611
0.023177	0.61737	0.026601	0.56637	0.139667	0.00249	-0.10323	0.0257	-0.08158
-0.04111	0.37546	-0.09729	0.03556	0.005276	0.90947	-0.10009	0.03056	0.077449
-0.13445	0.0036	-0.11015	0.01726	-0.05968	0.19793	0.017706	0.70273	0.16969
0.108864	0.01861	-0.04364	0.34672	0.17854	0.0001	-0.10565	0.02241	-0.00321
-0.00395	0.93211	0.135516	0.00334	0.050049	0.28043	0.070249	0.12954	-0.15729
0.02183	0.63797	0.099128	0.03222	0.190028	3.58E-05	0.005721	0.90186	-0.08597
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0.05484	0.23689	0.029136	0.52995	0.051822	0.26373	0.024227	0.60152	-0.08863
-0.10723	0.02046	-0.17521	0.00014	-0.11162	0.01582	-0.23663	2.30E-07	-0.15685
0.02373	0.60899	-0.03986	0.39012	0.058038	0.21061	-0.08541	0.06518	-0.06476
0.062874	0.17497	0.093761	0.04284	0.149974	0.00115	-0.04234	0.36123	-0.09689
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0.178401	0.00011	-0.02085	0.65313	0.097609	0.03497	-0.10873	0.01876	-0.07421
-0.08448	0.06816	-0.11319	0.01439	-0.16887	0.00025	-0.1118	0.01565	-0.03444
-0.00359	0.93838	-0.0713	0.12389	-0.0245	0.59749	-0.09705	0.03603	-0.02941
0.090231	0.05134	0.101092	0.02894	0.140936	0.00227	0.008201	0.85971	-0.03105
0.0499	0.28187	-0.0231	0.61858	0.11454	0.01326	-0.08488	0.06686	0.105736
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-0.1427	0.00199	-0.08329	0.07213	-0.25317	2.91E-08	-0.11844	0.01041	-0.10851
-0.0329	0.47814	0.001559	0.97319	-0.03072	0.50782	0.107171	0.02053	0.065606
-0.00487	0.91637	-0.01471	0.75127	0.060866	0.18918	-0.09025	0.05128	-0.10023
0.035312	0.44648	0.112734	0.01479	0.061297	0.18606	0.056661	0.22165	0.098611
0.021464	0.64362	0.025742	0.57897	0.007592	0.87002	-0.0251	0.58848	-0.14225
-0.08145	0.0787	0.089221	0.05401	-0.02361	0.61076	0.107542	0.0201	0.030291
0.068523	0.13926	-0.04248	0.35966	0.139075	0.0026	-0.15299	0.00091	-0.06403
0.017362	0.70825	0.062379	0.17839	0.068367	0.14016	0.007654	0.86897	-0.10374
0.037275	0.4216	-0.01563	0.73619	0.160198	0.00051	-0.11418	0.01355	0.011449
0.041215	0.37419	-0.00343	0.94107	0.06502	0.16067	-0.06252	0.17744	-0.0601
-0.03292	0.47788	-0.00347	0.94037	-0.01108	0.81122	-0.06551	0.15751	-0.07534
0.094626	0.04096	0.001866	0.96792	0.116815	0.01153	-0.06835	0.14024	-0.0332
0.072552	0.11741	-2.58E-05	0.99956	0.178285	0.00011	-0.0717	0.1218	-0.05114
0.083251	0.07228	0.162012	0.00044	0.240769	1.39E-07	0.140042	0.00242	0.063066
0.09103	0.0493	0.206895	6.55E-06	0.17554	0.00014	0.145992	0.00156	0.04593
-0.04506	0.33124	0.087764	0.05807	-0.03507	0.44959	0.080444	0.08246	0.069211
0.092654	0.04537	0.043999	0.34276	0.074387	0.1084	-0.03939	0.39577	-0.03549
-0.03062	0.5092	-0.15695	0.00066	0.022886	0.6218	-0.32225	9.57E-13	-0.13769
-0.01781	0.70112	-0.01935	0.67667	-0.11973	0.00961	-0.12095	0.00889	-0.20528
0.024521	0.5971	-0.07613	0.10035	0.162382	0.00043	-0.21224	3.71E-06	0.003104
-0.06224	0.17934	0.054312	0.24143	-0.00497	0.91472	-0.02883	0.53425	-0.11545
-0.07716	0.0958	-0.00598	0.89741	-0.09093	0.04955	0.130739	0.00466	0.117608
0.001428	0.97544	-0.08127	0.07936	-0.01254	0.78694	-0.09335	0.04376	-0.02645
0.0415	0.37089	-0.05979	0.19716	0.105839	0.02217	-0.14624	0.00153	-0.08229
0.039382	0.39583	0.094005	0.0423	0.103993	0.02462	-0.01636	0.72433	-0.14247



-0.05578	0.22893	0.0072	0.87668	0.056096	0.2263	-0.04743	0.30637	-0.08558
0.180695	8.61E-05	0.057417	0.21553	0.171476	0.0002	-0.06659	0.15081	-0.01335
-0.11167	0.01576	-0.16238	0.00043	-0.14183	0.00212	-0.0334	0.47145	0.222445
0.035282	0.44687	-0.05475	0.23765	0.067484	0.14537	-0.16921	0.00024	-0.00933
0.015287	0.74178	0.020658	0.65613	0.040381	0.38394	-0.02851	0.53887	-0.02316
0.026239	0.57166	0.025214	0.58678	-0.01114	0.81021	-0.07669	0.09785	-0.16125
0.008793	0.84969	0.090579	0.05044	0.19497	2.21E-05	-0.04501	0.33178	-0.07911
-0.17151	0.0002	-0.16788	0.00027	-0.25967	1.24E-08	-0.083	0.07316	-0.09152
0.123739	0.00743	-0.03083	0.50626	0.081191	0.07965	-0.07506	0.10521	-0.0337
0.08239	0.07529	0.0183	0.69325	0.201886	1.10E-05	-0.09069	0.05016	0.055788
0.037663	0.41679	0.09877	0.03285	0.156359	0.0007	-0.02785	0.54822	-0.13962
0.093237	0.04402	0.139801	0.00246	0.356787	1.82E-15	0.13174	0.00435	0.080346
0.015429	0.73947	0.106806	0.02097	0.200688	1.24E-05	0.03515	0.44857	-0.1121
0.038222	0.4099	0.122215	0.0082	0.0009	0.98452	0.267488	4.30E-09	0.235264
0.028643	0.53694	-0.04097	0.37709	-0.0134	0.77274	0.024242	0.60129	0.156947
-0.01492	0.74769	-0.03286	0.47873	0.014809	0.74959	-0.10608	0.02186	-0.13246
-0.14785	0.00135	-0.16013	0.00051	-0.24024	1.48E-07	-0.09017	0.05149	0.04409
-0.06546	0.15785	-0.01404	0.76215	-0.14356	0.00187	0.087987	0.05743	0.176061
-0.15265	0.00094	-0.12499	0.00684	-0.09685	0.03641	-0.06886	0.13735	0.047617
0.057411	0.21559	0.198646	1.53E-05	0.20318	9.63E-06	0.095355	0.03942	-0.04321
-0.11632	0.01188	-0.04922	0.28851	-0.15448	0.00081	0.093371	0.04372	0.096241
-0.02554	0.58197	0.056768	0.22078	0.240589	1.42E-07	-0.00986	0.83167	-0.00689
0.013878	0.76485	0.008118	0.86111	-0.00158	0.97276	-0.09941	0.03173	-0.057
0.072712	0.1166	0.113331	0.01427	0.127389	0.00584	0.036807	0.42746	-0.07018
-0.02885	0.53407	-0.21343	3.26E-06	-0.18953	3.75E-05	-0.20304	9.77E-06	-0.03185
0.073792	0.11126	0.145465	0.00162	0.175854	0.00013	0.083449	0.0716	-0.14175
0.104342	0.02414	0.122413	0.00809	0.261991	9.07E-09	0.025734	0.57909	0.189119
0.016135	0.72801	0.033182	0.47439	0.172079	0.00019	-0.10678	0.021	-0.06926
-0.00157	0.97296	0.081557	0.07829	0.013367	0.77326	0.031186	0.5014	-0.01613
-0.0094	0.83944	0.054842	0.23687	-0.03598	0.4379	0.046558	0.31539	-0.09594
0.06918	0.13549	0.439261	1.89E-23	0.429552	2.16E-22	0.36087	8.25E-16	0.205592
0.075828	0.10171	-0.05886	0.20422	0.089211	0.05404	-0.12553	0.0066	-0.03282
-0.05504	0.23515	-0.15245	0.00095	-0.16142	0.00046	-0.04143	0.37167	0.0355
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0.029259	0.52821	-0.114	0.0137	0.061466	0.18484	-0.19731	1.75E-05	0.027337
0.084242	0.06894	0.181052	8.33E-05	0.227259	6.94E-07	0.058399	0.20777	-0.05858
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-0.02336	0.61457	-0.06952	0.13361	0.040292	0.385	-0.14594	0.00157	-0.07791
-0.03833	0.4086	-0.13797	0.00281	-0.00336	0.94226	-0.20988	4.78E-06	-0.12442
-0.0521	0.26115	-0.2141	3.03E-06	-0.09102	0.04933	-0.12198	0.00832	0.191969
0.093741	0.04289	0.042759	0.35654	0.229931	5.09E-07	0.016824	0.71689	0.173902
0.112992	0.01456	0.057626	0.21387	0.144071	0.0018	-0.06079	0.18976	-0.12481
0.025156	0.58764	0.08363	0.07098	0.019332	0.6769	0.149105	0.00123	0.117124
0.024628	0.5955	0.182219	7.48E-05	0.047154	0.30923	0.097753	0.0347	0.012595
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-0.03241	0.48468	-0.18333	6.75E-05	0.007501	0.87157	-0.21173	3.92E-06	-0.01876
0.046329	0.31778	-0.00064	0.98901	0.157691	0.00063	-0.11762	0.01096	-0.09509
-0.01744	0.70693	0.010472	0.82143	0.055056	0.23503	-0.06172	0.18304	-0.08178
0.026819	0.56319	-0.03182	0.49278	0.111366	0.01605	-0.14062	0.00232	-0.03591
0.01571	0.73491	-0.03335	0.47213	0.030565	0.50997	-0.09361	0.04318	-0.08287
0.094227	0.04182	0.042735	0.35681	0.226519	7.56E-07	0.024702	0.5944	0.17794
0.016546	0.72137	0.037099	0.42381	0.047289	0.30785	-0.0105	0.82095	0.044708
0.028512	0.53881	0.239583	1.61E-07	0.265354	5.76E-09	0.196476	1.90E-05	0.069648
0.173156	0.00017	0.113083	0.01448	0.333693	1.31E-13	0.060304	0.1933	0.106706
-0.0933	0.04387	0.018929	0.68327	-0.05862	0.20607	0.031728	0.49399	0.014716
0.140325	0.00237	0.024061	0.604	0.107746	0.01986	-0.02759	0.55208	0.009436
0.001112	0.98088	0.082709	0.07416	0.143131	0.00193	-0.02581	0.57794	-0.00512
-0.19085	3.30E-05	-0.16817	0.00026	-0.35341	3.48E-15	-0.15021	0.00113	-0.16615
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0.077023	0.09641	-0.07403	0.11012	-0.0053	0.90901	-0.13669	0.00308	0.056147
-0.00349	0.94004	-0.01683	0.71672	-0.11771	0.0109	-0.06953	0.13353	-0.08683
0.027267	0.55669	0.010917	0.81399	0.028918	0.53304	-0.03311	0.47529	-0.0712
-0.03243	0.48445	-0.02342	0.61374	0.083926	0.06999	-0.14675	0.00147	-0.11521
-0.04992	0.28168	-0.04933	0.28744	0.075564	0.10291	-0.11707	0.01135	0.02744
0.062274	0.17912	-0.0421	0.36399	0.046738	0.31352	-0.09283	0.04497	-0.01069
0.07339	0.11323	0.036435	0.43215	0.198614	1.53E-05	-0.03152	0.4968	0.053661
0.030974	0.50431	-0.03917	0.39833	-0.00379	0.93485	-0.05036	0.27744	-0.07078
-0.03073	0.50767	0.026586	0.56658	0.002715	0.95334	-0.03814	0.41094	-0.0838
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-0.01707	0.71297	0.023936	0.6059	-0.07116	0.12461	-0.07997	0.0843	-0.18571
-0.0022	0.96217	-0.08784	0.05786	0.025774	0.57849	-0.14114	0.00223	-0.02039
0.138755	0.00266	0.302642	2.39E-11	0.366234	2.86E-16	0.138519	0.0027	-0.00756
0.079017	0.08807	0.115306	0.01265	0.101111	0.02891	0.033349	0.47218	-0.03297
0.118404	0.01044	0.319433	1.54E-12	0.211936	3.83E-06	0.283248	4.58E-10	-0.03302
0.126346	0.00626	0.172746	0.00018	0.291046	1.44E-10	0.104999	0.02325	0.026807
0.033182	0.47439	-0.0039	0.93301	0.103437	0.0254	-0.09621	0.03768	-0.07331
0.064227	0.16585	0.027578	0.55219	0.023115	0.6183	-0.0509	0.27232	-0.00624
0.04068	0.38043	0.003731	0.93591	0.104856	0.02344	-0.11393	0.01376	-0.07267
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0.035733	0.44108	0.095746	0.03861	0.014456	0.75535	0.006558	0.8876	-0.16319
-0.05704	0.21857	-0.05647	0.22322	0.015513	0.73811	-0.10114	0.02886	0.044441
-0.02181	0.6383	-0.14701	0.00144	0.024571	0.59636	-0.24953	4.64E-08	-0.00204
0.07212	0.11962	0.446979	2.56E-24	0.198521	1.55E-05	0.492798	6.06E-30	0.143171
0.008984	0.84647	-0.13829	0.00275	-0.02936	0.52674	-0.2076	6.08E-06	-0.10534
0.058857	0.20423	0.176779	0.00012	0.202737	1.01E-05	0.080611	0.08183	-0.01542
0.198945	1.48E-05	0.175221	0.00014	0.362118	6.46E-16	0.201494	1.15E-05	0.14475
0.035792	0.44033	0.082943	0.07334	0.151816	0.001	0.013181	0.77634	0.010794
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0.057542	0.21454	-0.00812	0.86111	0.098501	0.03333	-0.09324	0.04402	-0.03323
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0.029753	0.52127	-0.01366	0.7684	0.013683	0.76806	-0.0404	0.38376	-0.02968
-0.10623	0.02168	-0.18804	4.33E-05	-0.13558	0.00333	-0.0168	0.7173	0.226206
0.011008	0.81247	-0.04009	0.38733	0.061058	0.18778	-0.1011	0.02892	0.052991
-0.14892	0.00125	-0.04231	0.36165	-0.14782	0.00136	0.077871	0.09279	0.044418
0.043626	0.34687	0.246482	6.82E-08	0.177223	0.00012	0.369971	1.35E-16	0.118904
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0.119994	0.00944	0.319824	1.44E-12	0.529308	4.45E-35	0.285022	3.53E-10	0.209989
0.037819	0.41486	0.005397	0.90739	0.064812	0.16202	-0.07244	0.118	-0.05266
0.004572	0.92151	0.153883	0.00085	0.083564	0.07121	0.139756	0.00247	0.048387
0.109248	0.0182	-0.05481	0.23715	0.048302	0.29759	-0.14779	0.00136	0.007991
0.045436	0.32721	-0.03272	0.48058	0.028145	0.54404	-0.12506	0.00681	-0.07412
0.047487	0.30582	-0.14957	0.00119	0.07588	0.10147	-0.18467	5.95E-05	0.070316
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0.045322	0.32842	-0.07725	0.09543	0.114421	0.01335	-0.20649	6.83E-06	-0.05465
0.010505	0.82088	0.236352	2.37E-07	0.138415	0.00272	0.244423	8.83E-08	-0.03108
0.103802	0.02488	0.277351	1.08E-09	0.340344	3.97E-14	0.188742	4.05E-05	0.030691
0.058898	0.20391	0.069258	0.13505	0.169112	0.00024	-0.02286	0.62215	-0.02127
0.05178	0.26412	0.05333	0.25006	0.102063	0.02742	-0.02941	0.52613	0.003886
-0.00074	0.98736	0.042254	0.36226	0.021613	0.64131	-0.03847	0.40682	-0.11662
0.130382	0.00477	0.050977	0.2716	0.171161	0.0002	-0.07721	0.09563	-0.09618
0.07185	0.12101	0.105252	0.02292	0.124672	0.00699	0.116275	0.01192	0.102031
0.038379	0.40798	0.152809	0.00092	0.155598	0.00074	0.034869	0.45221	-0.11295
0.105115	0.0231	0.219388	1.70E-06	0.367437	2.25E-16	0.157324	0.00064	-0.00868
0.073077	0.11478	-0.0718	0.12127	0.168276	0.00026	-0.16953	0.00023	0.0362
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0.002256	0.96123	-0.02657	0.56689	0.034847	0.4525	-0.07756	0.09412	-0.0212
0.071504	0.12282	0.000625	0.98925	0.065681	0.15645	-0.06924	0.13515	-0.09123
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0.044301	0.33945	0.106109	0.02183	0.112321	0.01516	0.113856	0.01382	0.085462
0.039557	0.39373	-0.02428	0.60073	0.187366	4.62E-05	-0.08634	0.06228	0.002872
0.020997	0.65085	-0.02135	0.64539	-0.02674	0.56438	-0.06331	0.17198	-0.05969
0.013354	0.77348	-0.08927	0.05387	-0.09204	0.04682	-0.15052	0.0011	-0.11946
0.038681	0.4043	0.011372	0.80637	0.142526	0.00202	-0.07253	0.1175	0.009959
0.073867	0.1109	-0.03418	0.46121	0.142582	0.00201	-0.04886	0.29207	0.089225
0.057258	0.21681	-0.02589	0.57684	0.143487	0.00188	-0.11365	0.014	0.01141
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0.030547	0.51021	0.192419	2.84E-05	0.155737	0.00073	0.113227	0.01436	-0.0432
-0.03157	0.49614	0.147	0.00144	0.034622	0.45542	0.172249	0.00018	0.131629
0.054455	0.24019	0.065636	0.15673	0.192702	2.76E-05	-0.04063	0.38105	0.001929
0.022268	0.63124	-0.01084	0.81521	0.058773	0.20488	-0.09315	0.04422	-0.10625
0.113827	0.01385	0.044809	0.33394	0.218324	1.91E-06	-0.0934	0.04365	-0.04929
0.008623	0.85257	-0.13173	0.00435	-0.01223	0.79203	-0.16842	0.00026	0.049052
0.114788	0.01306	0.031909	0.49153	0.210807	4.33E-06	-0.05611	0.22622	-0.05445
-0.07695	0.09675	-0.06885	0.13735	-0.0265	0.56788	-0.06061	0.19103	0.069689

0.130723	0.00466	-0.03853	0.40611	0.123524	0.00753	-0.05475	0.23769	0.148131
0.08327	0.07221	0.203153	9.66E-06	0.312006	5.30E-12	0.145691	0.00159	-0.02929
-0.02967	0.52244	0.133101	0.00396	0.246191	7.08E-08	0.024213	0.60173	0.096677
0.059949	0.19594	-0.00396	0.93206	0.042477	0.35972	0.046783	0.31306	0.102117
-0.04033	0.38455	-0.05149	0.26678	0.01836	0.69231	-0.10935	0.01808	-0.11629
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-0.16542	0.00033	0.015858	0.7325	-0.05597	0.22735	0.129135	0.00519	0.068159
-0.01174	0.80031	-0.01665	0.71962	0.085323	0.06544	0.060617	0.191	0.219463
0.076571	0.09839	-0.02314	0.61789	0.080408	0.0826	-0.08952	0.05321	0.062428
-0.06716	0.14734	-0.08054	0.08211	-0.10504	0.0232	-0.09556	0.03898	-0.06212
0.029009	0.53174	-0.13111	0.00454	0.019434	0.6753	-0.10004	0.03066	0.049678
-0.11511	0.0128	-0.06419	0.16612	-0.17565	0.00014	0.028774	0.53508	0.006047
0.056413	0.22368	-0.00519	0.91094	0.001526	0.97376	-0.07686	0.09713	-0.21838
0.005967	0.89767	-0.04746	0.30609	-0.01008	0.82796	-0.0812	0.07962	0.032882
-0.07075	0.12685	-0.17721	0.00012	0.012148	0.79346	-0.24228	1.15E-07	0.106813
-0.00827	0.85859	0.083278	0.07218	0.13024	0.00482	-0.05979	0.1971	0.00932
0.014279	0.75826	-0.10779	0.01981	0.004982	0.91449	-0.17715	0.00012	0.048124
0.03301	0.47669	-0.01824	0.6942	0.087836	0.05786	-0.05865	0.20583	0.083974
0.012116	0.79398	0.018959	0.6828	0.089953	0.05206	-0.01113	0.81046	-0.00484
0.023128	0.61811	0.022434	0.6287	0.109619	0.0178	-0.03445	0.45768	0.03086
0.062285	0.17905	-0.05801	0.2108	0.043926	0.34356	-0.07025	0.12953	-0.06082
0.012492	0.78774	-0.06687	0.14907	-0.01392	0.76424	-0.13639	0.00314	-0.06633
-0.06823	0.14098	0.000634	0.98909	-0.04807	0.29993	0.157913	0.00062	0.242366
0.033661	0.46804	-0.03973	0.39164	-0.00488	0.91626	-0.14271	0.00199	-0.08567
-0.01007	0.82814	0.180011	9.17E-05	0.043176	0.35186	0.199357	1.42E-05	0.004445
-0.06997	0.13108	-0.11026	0.01714	0.03803	0.41226	-0.11796	0.01073	0.033344
0.062223	0.17948	-0.09319	0.04413	0.023883	0.60668	-0.10952	0.01791	0.126639
-0.00393	0.93254	0.059601	0.19855	0.087099	0.06	-0.02155	0.64225	-0.09819
-0.03088	0.50565	0.009908	0.8309	0.106921	0.02083	-0.03554	0.44355	0.122146
-0.09186	0.04726	-0.04566	0.32478	-0.2053	7.73E-06	0.018982	0.68244	0.05034
0.000397	0.99317	0.088216	0.05678	-0.02103	0.65039	0.071523	0.12272	-0.0045
0.018404	0.69161	-0.00411	0.92938	0.123831	0.00738	-0.07266	0.11686	-0.12095
0.047629	0.30437	0.079269	0.08706	0.165919	0.00032	-0.06041	0.19253	-0.11081
0.019829	0.66909	0.026981	0.56083	0.073037	0.11497	-0.0411	0.37554	0.019232
0.100487	0.02991	0.080918	0.08067	0.215414	2.63E-06	0.00285	0.95102	0.049745
0.046681	0.31412	0.026205	0.57216	0.145758	0.00159	-0.09115	0.04901	-0.05081
-0.06728	0.14657	0.143032	0.00194	-0.04626	0.31855	0.18004	9.14E-05	0.031807
0.022615	0.62593	0.069248	0.13511	0.173306	0.00017	-0.0281	0.54473	-0.02793
-0.03487	0.45223	0.039608	0.39312	-0.19338	2.58E-05	0.102395	0.02692	0.023878
0.108087	0.01947	0.111567	0.01586	0.28966	1.77E-10	0.032903	0.47812	0.09571
0.122448	0.00807	-0.05303	0.25277	0.13108	0.00455	-0.07622	0.09996	0.029798
0.021469	0.64354	-0.02385	0.60712	0.130005	0.0049	-0.12165	0.0085	0.07135
0.10935	0.01809	0.03893	0.40128	0.145333	0.00164	-0.0599	0.19628	-0.10444
-0.18423	6.20E-05	-0.19957	1.39E-05	-0.28759	2.41E-10	-0.17312	0.00017	0.003979
-0.03602	0.43738	-0.04562	0.32526	-0.00489	0.91602	-0.00855	0.85383	0.050918

0.057323	0.21629	-0.02557	0.58158	0.030911	0.50518	-0.06272	0.17605	-0.09294
-0.05722	0.2171	-0.04441	0.33829	-0.10043	0.03	-0.06509	0.16024	-0.09213
0.223771	1.04E-06	0.199437	1.41E-05	0.244959	8.26E-08	0.267723	4.16E-09	0.107628
0.040935	0.37744	-0.0809	0.08074	0.017524	0.70565	-0.09089	0.04965	-0.00676
0.054074	0.2435	0.047095	0.30983	0.104266	0.02424	-0.02017	0.66369	0.06406
0.032104	0.48887	-0.09415	0.04199	0.023999	0.60495	-0.13446	0.0036	-0.13411
0.053474	0.24878	-0.02802	0.54587	0.084948	0.06663	-0.0941	0.04209	-0.04016
0.121863	0.00838	0.020418	0.65987	0.235714	2.56E-07	-0.0252	0.58696	-0.01706
-0.04882	0.29242	0.040173	0.3864	-0.06018	0.1942	0.057717	0.21314	-0.01846
0.043658	0.34651	0.063625	0.16986	0.180428	8.82E-05	-0.04398	0.34295	-0.02059
-0.0809	0.08074	-0.00502	0.91388	-0.0751	0.10505	0.119341	0.00984	0.010794
0.030424	0.51191	-0.04649	0.31607	0.045277	0.3289	-0.11107	0.01634	-0.08025
0.003246	0.94422	0.118279	0.01052	0.253615	2.74E-08	0.061014	0.1881	-0.02632
0.037657	0.41686	0.169625	0.00023	0.09743	0.03531	0.196554	1.89E-05	-0.0288
0.11009	0.01732	0.167702	0.00027	0.095156	0.03983	0.209557	4.94E-06	0.143797
-0.01151	0.80415	-0.12953	0.00506	-0.00535	0.90821	-0.20511	7.89E-06	-0.10624
0.046647	0.31446	-0.00773	0.86764	0.025761	0.57869	0.069137	0.13574	0.064807
0.106601	0.02122	0.147749	0.00137	0.095716	0.03867	0.020471	0.65904	-0.07552
0.007061	0.87904	-0.05667	0.22154	0.003969	0.93183	-0.10021	0.03038	-0.0601
0.048182	0.29879	0.218349	1.90E-06	0.234736	2.88E-07	0.160686	0.00049	-0.07764
0.069445	0.134	0.31526	3.10E-12	0.333484	1.36E-13	0.367923	2.04E-16	0.397957
-0.03737	0.42047	-0.15512	0.00077	-0.01925	0.67828	-0.22142	1.35E-06	-0.08211
-0.01709	0.71267	-0.08461	0.06774	0.027712	0.55025	-0.12096	0.00888	-0.13595
0.083796	0.07042	-0.03835	0.40835	0.132326	0.00418	-0.18113	8.27E-05	-0.03374
0.1024	0.02691	0.016855	0.71638	0.232604	3.71E-07	-0.1198	0.00956	-0.07717
-0.11706	0.01135	0.117254	0.01122	-0.09513	0.03988	0.109453	0.01798	-0.08328
-0.02857	0.53801	0.030921	0.50505	0.103763	0.02494	-0.06503	0.16062	0.003747
-0.04559	0.32553	0.14796	0.00134	0.127726	0.00571	0.038182	0.41039	-0.17041
0.004484	0.92301	0.060018	0.19543	0.0698	0.13202	-0.03743	0.41968	-0.12174
0.042077	0.36427	-0.10095	0.02917	0.096511	0.03708	-0.08556	0.06468	0.101892
0.05054	0.27573	0.145696	0.00159	0.247378	6.10E-08	0.010824	0.81553	0.012455
0.093948	0.04243	0.065255	0.15916	0.252199	3.29E-08	-0.05732	0.21634	0.040377
0.031575	0.49607	-0.07377	0.11135	0.116541	0.01172	-0.09945	0.03166	0.080397
-0.01285	0.78178	-0.03552	0.4438	0.097286	0.03558	-0.13877	0.00265	-0.04185
0.088897	0.05489	0.093285	0.04392	0.032471	0.48393	0.066886	0.14897	-0.15507
-0.06676	0.14976	-0.16603	0.00031	-0.14744	0.0014	-0.16594	0.00032	-0.07697
-0.09607	0.03796	-0.12201	0.00831	-0.15608	0.00071	-0.07535	0.10389	0.052388
0.163826	0.00038	0.053216	0.25108	0.074296	0.10883	0.070903	0.12601	-0.08968
0.251989	3.38E-08	0.216248	2.40E-06	0.325467	5.52E-13	0.144749	0.00171	0.076796
0.058427	0.20756	-0.01317	0.7766	0.14144	0.00219	-0.08225	0.07577	-0.0555
0.012236	0.79199	0.09416	0.04196	0.121282	0.0087	0.047389	0.30683	-0.08278
-0.00183	0.9685	0.007595	0.86997	0.050957	0.27179	0.052045	0.26168	0.058749
-0.07173	0.12164	-0.13882	0.00264	-0.01393	0.764	-0.17293	0.00017	-0.02091
0.011601	0.80255	0.129378	0.00511	0.106251	0.02165	0.299257	4.07E-11	0.202917
0.213635	3.19E-06	0.155102	0.00077	0.344365	1.90E-14	0.017372	0.70809	0.023945

0.146886	0.00146	-0.0229	0.62152	0.064439	0.16445	-0.08594	0.06352	-0.09599
-0.01683	0.71685	-0.09038	0.05096	-0.10852	0.01899	-0.09784	0.03453	0.064377
0.163655	0.00038	0.120671	0.00905	0.216871	2.24E-06	0.043198	0.35163	-0.03619
0.111959	0.0155	0.031617	0.4955	0.174768	0.00015	-0.02062	0.65669	0.006577
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-0.11289	0.01466	0.103895	0.02475	-0.10013	0.0305	0.139214	0.00257	0.145733
0.032566	0.48265	0.004429	0.92396	-0.01879	0.68543	0.006234	0.89311	0.054367
-0.03155	0.49644	-0.0952	0.03973	-0.06669	0.15015	-0.15142	0.00103	-0.07147
-0.01239	0.78944	0.030332	0.51319	-0.15406	0.00084	0.011476	0.80464	-0.14571
0.068054	0.14199	-0.06543	0.15806	0.012426	0.78883	-0.11366	0.01399	-0.00375
0.12119	0.00875	0.20873	5.39E-06	0.151481	0.00102	0.382582	1.00E-17	0.183748
0.04596	0.32166	-0.09227	0.04628	0.032974	0.47717	-0.15403	0.00084	-0.05089
0.137098	0.00299	0.068866	0.13729	0.242275	1.15E-07	0.02237	0.62968	0.14935
-0.01478	0.75006	0.093145	0.04423	-0.04367	0.34642	0.080775	0.0812	-0.08625
0.076954	0.09671	0.082691	0.07422	0.098886	0.03264	0.089467	0.05335	0.105122
-0.00339	0.94173	-0.01661	0.72026	-0.04383	0.34466	-0.0622	0.17967	-0.11422
-0.01668	0.71913	0.065075	0.16032	-0.04894	0.29123	0.127556	0.00577	0.181058
0.161296	0.00047	0.189693	3.69E-05	0.187758	4.45E-05	0.118989	0.01006	-0.00755
0.16825	0.00026	-0.01603	0.7297	0.123148	0.00772	-0.0633	0.17203	-0.08461
-0.01113	0.81047	-0.03134	0.49929	-0.00843	0.85575	-0.12823	0.00552	-0.0638
-0.04295	0.35441	0.089488	0.05329	0.006696	0.88525	0.094207	0.04186	-0.04935
0.158242	0.0006	0.04221	0.36276	0.221995	1.27E-06	0.007462	0.87223	0.189301
0.020318	0.66143	-0.00804	0.8625	0.036644	0.42951	-0.06162	0.18376	-0.03143
0.087575	0.05861	0.006832	0.88293	0.152991	0.00091	-0.11418	0.01355	-0.02975
0.036004	0.43762	-0.08501	0.06643	0.015292	0.74171	-0.09983	0.031	-0.00915
0.032639	0.48166	-0.02477	0.59345	0.081023	0.08027	-0.03912	0.39903	-0.06029
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0.073946	0.11052	-0.02531	0.58535	0.091966	0.047	-0.04336	0.34984	0.118951
0.020525	0.65819	0.015328	0.74111	0.043081	0.35293	-0.10316	0.02579	-0.12728
0.292772	1.11E-10	0.36291	5.53E-16	0.502199	3.30E-31	0.256479	1.89E-08	0.079272
-0.0273	0.55625	0.00941	0.83928	-0.03548	0.4443	-0.10481	0.0235	-0.19384
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0.066025	0.15429	0.026025	0.57481	0.177503	0.00012	0.026169	0.57269	0.152668
0.030899	0.50535	-0.05061	0.27506	0.105587	0.02249	-0.09469	0.04082	0.052351
0.035995	0.43773	0.038106	0.41132	0.106359	0.02152	-0.11407	0.01364	-0.07106
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0.039644	0.39269	0.035373	0.4457	0.06199	0.18112	-0.01053	0.82044	0.04569
0.08197	0.07679	0.008057	0.86214	0.087986	0.05744	-0.0323	0.48621	-0.04444
-0.07575	0.10207	-0.0419	0.36626	-0.08504	0.06633	-0.07119	0.12446	-0.02002
0.02553	0.5821	0.029603	0.52337	0.093345	0.04378	0.005876	0.89922	-0.12177
0.077272	0.09534	-0.0675	0.14528	-0.05531	0.23291	-0.14951	0.00119	-0.06291
-0.0029	0.95014	0.063673	0.16954	0.152084	0.00098	-0.08264	0.0744	-0.03856
0.000404	0.99305	0.029729	0.52161	0.185022	5.76E-05	-0.0725	0.11768	-0.02644
0.0071	0.87838	0.165801	0.00032	-0.01225	0.79171	0.052082	0.26133	-0.09083

0.057831	0.21224	0.029386	0.52643	0.076896	0.09697	-0.0349	0.45176	-0.03955
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0.023898	0.60646	0.139348	0.00254	0.266257	5.09E-09	0.018459	0.69073	0.021251
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-0.02345	0.61328	0.091718	0.0476	0.147388	0.0014	0.109191	0.01826	0.114703
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0.134887	0.00349	-0.03685	0.42697	-0.03719	0.42266	-0.0228	0.62312	0.015634
-0.04409	0.34176	0.089147	0.05421	-0.07383	0.11107	0.099681	0.03126	-0.09899
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0.041938	0.36586	0.046334	0.31773	0.104773	0.02355	-0.00763	0.86943	0.03001
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-0.02779	0.54918	0.059641	0.19825	0.068766	0.13786	-0.015	0.74649	-0.10397
0.041382	0.37225	0.046781	0.31308	0.248398	5.36E-08	0.053307	0.25027	0.143613
0.000897	0.98458	-0.07234	0.11849	0.029825	0.52026	-0.09892	0.03258	0.131999
0.094014	0.04228	0.038776	0.40314	0.095408	0.03931	0.021026	0.6504	0.116744
0.091304	0.04862	0.039843	0.39032	0.096577	0.03695	0.024881	0.59173	-0.00436
0.00778	0.86684	-0.04206	0.36442	-0.09558	0.03895	-0.06019	0.19413	-0.08198
0.140485	0.00234	0.185069	5.73E-05	0.231164	4.40E-07	0.116141	0.01202	0.017904
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0.033171	0.47454	-0.05606	0.22659	0.033526	0.46982	-0.17322	0.00017	-0.07694
0.012331	0.79041	0.088248	0.05669	0.082463	0.07503	0.1244	0.00711	0.016715
0.091212	0.04885	0.142236	0.00206	0.199078	1.46E-05	-0.00686	0.88241	0.043463
0.101835	0.02777	0.019184	0.67924	0.122033	0.00829	-0.01404	0.76227	-0.08309
0.043401	0.34936	0.031327	0.49947	0.21588	2.50E-06	-0.08707	0.06008	-0.0751
0.079411	0.08649	0.252346	3.23E-08	0.282757	4.93E-10	0.083289	0.07215	-0.04219
0.079951	0.08437	0.047227	0.30848	0.169488	0.00023	-0.0946	0.04101	-0.06806
0.044991	0.33198	0.094705	0.04079	0.182912	7.02E-05	-0.03971	0.39193	-0.02133
-0.09573	0.03864	-0.13884	0.00264	-0.10519	0.023	-0.04304	0.35343	0.058513
0.151731	0.001	0.02902	0.53159	0.208882	5.31E-06	-0.00167	0.9713	0.020801
-0.04743	0.30641	0.148252	0.00131	0.064999	0.16081	0.094793	0.0406	0.018483
0.021983	0.63561	-0.10721	0.02049	0.053138	0.25177	-0.15972	0.00053	0.084123
0.055813	0.22865	-0.00694	0.88104	0.066776	0.14965	-0.02646	0.56846	-0.03166
0.119489	0.00975	0.111537	0.01589	0.125691	0.00653	0.123599	0.00749	0.085254
0.065476	0.15775	0.118482	0.01039	0.223698	1.04E-06	0.03651	0.4312	-0.04769
-0.00202	0.9653	-0.13139	0.00445	-0.03488	0.45207	-0.15397	0.00084	0.049722
-0.00961	0.83596	0.043945	0.34335	0.105617	0.02245	0.039889	0.38976	-0.02442
0.00147	0.97472	-0.11646	0.01179	0.029894	0.5193	-0.15987	0.00052	0.076205
0.012444	0.78855	0.121908	0.00836	0.244145	9.15E-08	0.024736	0.5939	-0.1245
-0.03938	0.3958	-0.09627	0.03755	0.121412	0.00863	-0.15482	0.00079	0.045895

0.014443	0.75557	0.074708	0.10688	0.061641	0.18359	0.073835	0.11105	-0.0263
0.002315	0.96022	-0.0123	0.79094	0.11358	0.01405	-0.08131	0.07921	0.000806
0.122645	0.00797	0.162962	0.00041	0.353254	3.59E-15	0.03014	0.51586	0.008591
0.18021	9.00E-05	0.161506	0.00046	0.279873	7.49E-10	0.066718	0.15	-0.03368
0.144123	0.00179	0.035568	0.44319	0.168647	0.00025	-0.03633	0.43348	-0.00128
0.040742	0.37971	0.140293	0.00238	0.21318	3.35E-06	0.143399	0.00189	0.101896
0.035999	0.43768	0.106931	0.02082	0.220596	1.48E-06	-0.03387	0.46526	-0.0678
0.184478	6.06E-05	0.088745	0.05531	0.158259	0.0006	0.010227	0.82554	-0.08681
0.05417	0.24266	-0.05589	0.22799	0.048821	0.29242	-0.13577	0.00328	-0.09441
0.066716	0.15001	0.047847	0.30217	0.170841	0.00021	0.007092	0.87852	0.004824
0.049947	0.28142	-0.06564	0.15671	0.004971	0.91468	-0.14176	0.00213	-0.00619
-0.00724	0.87598	-0.01224	0.7919	0.095571	0.03897	-0.1523	0.00096	-0.08981
0.012195	0.79268	-0.01686	0.71627	0.053862	0.24536	-0.12766	0.00573	-0.04884
0.137815	0.00284	0.129328	0.00513	0.342149	2.85E-14	0.0081	0.86141	0.015917
0.003667	0.93701	-0.04883	0.29228	0.018175	0.69525	-0.0823	0.07559	-0.06617
-0.05614	0.2259	0.094605	0.041	0.105609	0.02246	0.010109	0.82752	-0.12381
0.066058	0.15408	0.087189	0.05974	0.18289	7.03E-05	-0.01462	0.75275	-0.04762
-0.05039	0.2772	0.09404	0.04223	-0.03468	0.45467	0.21415	3.02E-06	0.02079
-0.00877	0.85001	-0.01489	0.74827	-0.21441	2.93E-06	0.128813	0.00531	0.072976
0.061258	0.18634	0.154781	0.00079	0.233407	3.38E-07	0.077013	0.09646	-0.01406
0.150378	0.00112	0.206016	7.18E-06	0.367159	2.38E-16	0.079852	0.08475	0.049507
-0.09517	0.03979	-0.19474	2.26E-05	-0.21202	3.80E-06	-0.06164	0.18359	-0.01612
0.008881	0.8482	-0.05986	0.1966	0.039954	0.389	-0.16781	0.00027	-0.02613
0.002402	0.95871	0.101373	0.02849	0.04106	0.37598	0.003834	0.93414	-0.12268
-0.0115	0.80425	-0.00434	0.92545	0.056092	0.22633	-0.15912	0.00056	-0.14568
0.16038	0.0005	0.294363	8.67E-11	0.386003	4.84E-18	0.14358	0.00187	0.106255
-0.02969	0.52222	-0.08938	0.05358	0.088761	0.05527	-0.17763	0.00011	0.00155
-0.01013	0.82715	-0.11795	0.01074	-0.03837	0.40805	-0.12459	0.00702	-0.00597
-0.08469	0.06747	-0.04053	0.38221	-0.00177	0.96963	-0.0602	0.1941	-0.01071
-0.12453	0.00705	-0.109	0.01846	-0.09183	0.04733	-0.18144	8.04E-05	-0.06064
0.010032	0.82882	-0.11292	0.01462	-0.02921	0.52896	-0.10079	0.02942	0.158322
0.047537	0.30531	-0.04881	0.29256	0.050521	0.27591	-0.0994	0.03174	-0.06353
-0.01128	0.80785	0.074469	0.10801	0.148065	0.00133	-0.07266	0.11685	-0.0731
0.031546	0.49647	-0.00762	0.86963	0.043142	0.35224	-0.0845	0.06808	-0.12793
0.00557	0.90444	0.003821	0.93437	0.068053	0.142	-0.06807	0.14189	-0.09267
0.036375	0.43291	0.084398	0.06842	0.249417	4.71E-08	-0.04649	0.31614	-0.03561
0.035406	0.44528	-0.01051	0.82085	0.124096	0.00725	-0.03545	0.44475	0.102117
0.130174	0.00484	-0.00057	0.99025	0.050866	0.27265	-0.05953	0.1991	-0.00347
-0.14481	0.0017	-0.23751	2.06E-07	-0.20143	1.15E-05	-0.25479	2.35E-08	0.101669
0.012229	0.79211	0.001833	0.96849	0.036569	0.43046	-0.05184	0.26352	-0.08869
0.106424	0.02144	-0.07262	0.11705	0.103339	0.02554	-0.1349	0.00349	0.046738
-0.1196	0.00968	-0.07174	0.12158	-0.08164	0.07798	-0.04617	0.31949	0.05617
0.101456	0.02836	0.121681	0.00848	0.232914	3.58E-07	0.050688	0.27433	-0.06005
-0.03103	0.50358	0.067035	0.14807	0.031029	0.50355	-0.0393	0.3968	-0.14956
-0.02897	0.53229	0.090228	0.05134	0.178568	0.0001	0.043354	0.34988	-0.0712



0.056804	0.22048	0.009849	0.83189	0.183776	6.47E-05	-0.04747	0.30597	0.08417
0.063596	0.17006	0.351108	5.39E-15	0.366283	2.83E-16	0.304672	1.73E-11	0.130709
-0.01099	0.81274	-0.14175	0.00214	-0.07813	0.09173	-0.1492	0.00122	-0.07202
0.230556	4.73E-07	0.047261	0.30813	0.072406	0.11815	0.064304	0.16534	0.105529
-0.03012	0.51618	-0.11896	0.01008	-0.09056	0.05048	-0.15748	0.00064	-0.04661
0.046798	0.3129	-0.08113	0.07989	0.088572	0.05579	-0.06366	0.16964	0.183073
0.036839	0.42706	-0.01488	0.74842	0.14762	0.00138	-0.03912	0.39895	0.177409
0.049015	0.29051	0.080535	0.08212	0.2132	3.34E-06	0.050604	0.27513	0.093875
0.009211	0.84263	-0.04049	0.38264	0.095261	0.03961	-0.07999	0.08421	-0.02377
0.091024	0.04932	0.145977	0.00156	0.197415	1.73E-05	0.088747	0.0553	-0.09753
-0.05011	0.27988	0.023136	0.61799	-0.08062	0.08179	0.108877	0.0186	-0.03315
-0.06518	0.15967	0.061979	0.1812	-0.13107	0.00455	0.138432	0.00272	0.106145
0.096314	0.03747	0.107666	0.01995	0.23122	4.37E-07	0.025262	0.58606	0.051626
0.040504	0.3825	-0.03294	0.47765	0.122416	0.00809	-0.06391	0.16796	0.07219
0.0743	0.10882	0.11816	0.0106	0.219256	1.72E-06	0.044634	0.33583	0.111902
-0.09292	0.04475	-0.06121	0.18666	-0.28739	2.48E-10	-0.00852	0.85437	0.003761
0.023736	0.60891	0.217111	2.18E-06	0.08144	0.07873	0.29957	3.87E-11	0.252808
0.011137	0.81031	0.260128	1.16E-08	0.243996	9.32E-08	0.169515	0.00023	-0.06352
-0.20738	6.22E-06	-0.14019	0.00239	-0.26929	3.35E-09	-0.04528	0.32892	-0.15385
-0.01488	0.7485	-0.00541	0.90716	0.03953	0.39405	-0.07768	0.09361	-0.0244
-0.06975	0.13229	0.058742	0.20511	0.011253	0.80837	-0.03992	0.3894	-0.16153
-0.10456	0.02384	-0.10258	0.02664	-0.14792	0.00135	0.009216	0.84255	0.13691
0.028264	0.54234	0.013596	0.76949	0.043021	0.3536	-0.06496	0.16109	-0.04113
0.037589	0.4177	0.091293	0.04865	0.228519	6.00E-07	-0.04106	0.376	0.001907
0.026416	0.56906	0.062984	0.17421	0.128387	0.00546	-0.05539	0.23221	-0.09119
-0.02983	0.52021	0.062855	0.17509	0.118679	0.01026	-0.06549	0.15766	-0.05206
0.023737	0.60888	0.090209	0.05139	0.113306	0.01429	0.033743	0.46696	-0.04072
-0.11914	0.00997	0.010454	0.82173	-0.19923	1.44E-05	0.068195	0.14116	-0.06507
-0.04217	0.36322	-0.04603	0.32092	-0.08113	0.07987	-0.11021	0.0172	-0.15551
-0.00148	0.97451	-0.11026	0.01714	-0.03649	0.43142	-0.14578	0.00158	0.033568
0.25611	1.98E-08	0.139469	0.00252	0.318892	1.69E-12	0.157696	0.00063	0.088582
-0.08136	0.07902	-0.22038	1.52E-06	-0.12281	0.00789	-0.28833	2.16E-10	-0.0515
-0.02845	0.53972	-0.05082	0.27305	0.106809	0.02097	-0.15438	0.00082	0.041119
-0.04383	0.34459	0.067057	0.14794	0.191089	3.23E-05	-0.05245	0.25799	0.098491
0.113232	0.01435	0.060819	0.18952	0.269783	3.13E-09	0.002035	0.96502	0.135428
-0.12771	0.00571	-0.08642	0.06203	-0.17666	0.00012	0.008486	0.85487	-0.03311
0.011137	0.8103	0.053491	0.24863	-0.07352	0.1126	-0.05918	0.20174	-0.17699
-0.10875	0.01873	0.037398	0.42007	-0.11455	0.01325	0.115099	0.01281	-0.04588
-0.1392	0.00257	-0.23632	2.38E-07	-0.27405	1.72E-09	-0.23147	4.24E-07	-0.16886
-0.04273	0.35685	-0.02906	0.53105	0.096483	0.03713	0.001685	0.97103	0.181738
0.13931	0.00255	0.02291	0.62142	0.246129	7.13E-08	-0.05766	0.21359	0.059525
-0.10547	0.02264	-0.00455	0.92193	-0.02961	0.52326	0.0575	0.21487	0.188481
0.01476	0.75039	0.03198	0.49057	0.130502	0.00473	-0.05877	0.2049	-0.10853
0.049252	0.28817	0.04997	0.28119	0.065042	0.16053	-0.04378	0.34513	0.014915
0.064034	0.16713	0.027001	0.56055	0.201816	1.11E-05	-0.02541	0.58387	0.052998

0.070646	0.12739	0.122655	0.00797	0.106852	0.02092	0.017506	0.70593	-0.08763
0.020815	0.65367	0.07483	0.1063	0.142117	0.00208	-0.03812	0.41113	-0.08971
-0.14543	0.00163	-0.02845	0.53974	-0.16696	0.00029	0.107518	0.02013	-0.03256
-0.0444	0.33837	0.004232	0.92732	0.157437	0.00064	-0.06022	0.19391	-0.00132
-0.08701	0.06025	0.085715	0.0642	0.008667	0.85182	0.067597	0.14469	-0.03031
0.105471	0.02264	-0.01388	0.7648	0.077521	0.09427	-0.0536	0.24768	-0.01476
-0.04579	0.3234	0.024165	0.60244	-0.19257	2.79E-05	0.086994	0.06031	0.001437
0.010492	0.8211	0.284062	4.07E-10	0.198251	1.59E-05	0.170834	0.00021	-0.05836
0.010874	0.81469	0.242838	1.08E-07	0.186435	5.04E-05	0.140091	0.00241	-0.06021
0.003794	0.93484	0.148187	0.00132	0.15314	0.0009	0.109877	0.01753	-0.01417
0.050775	0.27351	-0.04574	0.32399	0.0337	0.46752	-0.10135	0.02852	-0.06679
-0.17099	0.00021	-0.07698	0.09661	-0.19952	1.40E-05	0.033913	0.46471	0.069546
0.12088	0.00893	0.332569	1.60E-13	0.460013	7.83E-26	0.275233	1.46E-09	0.493958
0.032873	0.47852	-0.00553	0.90515	0.108264	0.01927	0.012556	0.78669	-0.00333
0.132352	0.00417	0.082911	0.07345	0.221767	1.30E-06	0.017431	0.70714	0.154656
-0.02308	0.61881	0.010548	0.82016	-0.03377	0.46663	-0.04643	0.31668	-0.10046
0.065342	0.15861	0.084343	0.0686	0.220984	1.42E-06	0.00201	0.96545	0.06062
0.069503	0.13368	0.083489	0.07146	0.250583	4.06E-08	0.083323	0.07203	0.32032
0.103602	0.02516	0.043783	0.34513	0.095264	0.03961	-0.02724	0.55701	-0.06
0.041232	0.37399	-0.05449	0.23993	0.018185	0.69509	-0.14187	0.00212	-0.01439
0.0089	0.84788	0.081519	0.07843	-0.0955	0.03912	-0.02029	0.66185	-0.07579
0.002741	0.95289	-0.12424	0.00719	-0.03164	0.49517	-0.05922	0.20144	0.254566
0.101038	0.02902	-0.07714	0.09593	0.069201	0.13538	-0.1879	4.38E-05	0.000849
0.049712	0.28369	0.077736	0.09336	0.162267	0.00043	-0.05246	0.25788	-0.01625
0.084732	0.06733	0.341038	3.49E-14	0.191422	3.13E-05	0.446586	2.84E-24	0.104913
0.09289	0.04482	-0.01927	0.67784	0.052722	0.25551	-0.11094	0.01646	-0.06787
-0.11152	0.0159	-0.03869	0.40414	-0.18653	5.00E-05	0.00784	0.86582	-0.11197
0.073005	0.11513	-0.04361	0.34706	-0.06229	0.179	-0.05199	0.26215	0.106721
0.096654	0.0368	0.151643	0.00101	0.225573	8.43E-07	0.143468	0.00188	0.164036
0.096381	0.03733	0.001057	0.98182	0.162473	0.00042	-0.08507	0.06625	-0.01969
0.017206	0.71075	-0.036	0.43761	0.173759	0.00016	-0.06094	0.18862	0.089213
0.071842	0.12105	0.11316	0.01442	0.200468	1.27E-05	-0.01968	0.67142	-0.10088
0.010119	0.82736	-0.0663	0.15258	0.040715	0.38002	-0.13476	0.00353	-0.03973
-0.09064	0.05028	0.019385	0.67607	-0.05331	0.25025	0.167924	0.00027	0.207787
0.056039	0.22677	0.0014	0.97593	0.094162	0.04196	-0.08066	0.08166	-0.00458
0.015626	0.73627	-0.01105	0.81173	0.114899	0.01297	-0.10718	0.02052	0.068342
0.139235	0.00257	0.191988	2.96E-05	0.139866	0.00245	0.333643	1.32E-13	0.123573
0.147619	0.00138	0.253339	2.84E-08	0.191714	3.04E-05	0.322449	9.26E-13	0.102812
0.014801	0.74972	-0.04024	0.38559	0.020325	0.66131	-0.17865	0.0001	-0.32229
-0.00733	0.87448	-0.18451	6.04E-05	-0.11357	0.01407	-0.17529	0.00014	-0.01215
-0.11186	0.01559	-0.11795	0.01074	-0.09011	0.05164	-0.10003	0.03067	-0.16021
0.018561	0.68911	0.045078	0.33104	-0.00911	0.84441	-0.03749	0.41888	-0.12282
0.045909	0.32219	0.007337	0.87435	0.139491	0.00252	-0.00266	0.95422	0.11995
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0.24568	7.55E-08	0.037576	0.41786	0.187944	4.37E-05	0.057071	0.21832	0.173253

0.004747	0.9185	-0.09986	0.03097	0.000649	0.98884	-0.18033	8.90E-05	0.030076
0.042063	0.36444	0.141472	0.00218	0.170107	0.00022	0.142985	0.00195	0.113776
-0.02122	0.64733	0.044275	0.33973	-0.08938	0.05357	-0.02804	0.54552	-0.08495
-0.00304	0.94782	-0.0786	0.08978	-0.03797	0.41297	-0.09622	0.03766	0.054296
0.157545	0.00063	0.111597	0.01583	0.16961	0.00023	0.06179	0.18253	0.018817
-0.0496	0.28482	-0.0006	0.9896	0.004272	0.92665	-0.0721	0.11972	-0.07218
-0.03829	0.4091	0.055592	0.2305	0.021854	0.6376	-0.03385	0.46559	-0.07237
0.152703	0.00093	0.073162	0.11436	0.236511	2.33E-07	0.021994	0.63544	0.058387
0.081407	0.07884	0.077377	0.09489	0.11811	0.01063	-0.06619	0.15328	-0.10528
0.074552	0.10762	0.119897	0.0095	0.197267	1.76E-05	0.004781	0.91792	0.075753
-0.08105	0.08015	-0.03682	0.42725	-0.19312	2.65E-05	0.022679	0.62495	-0.08092
-0.07865	0.08955	-0.05878	0.2048	-0.23365	3.28E-07	-0.02387	0.60689	-0.06179
0.024382	0.59918	0.019293	0.67753	0.036775	0.42787	-0.06836	0.14018	-0.16307
-0.05992	0.19614	0.144861	0.0017	-0.03111	0.50249	0.192758	2.74E-05	0.021179
-0.01555	0.73745	0.190183	3.52E-05	0.021095	0.64933	0.311206	6.04E-12	0.328224
-0.04115	0.375	0.133216	0.00393	-0.06022	0.19391	0.235602	2.60E-07	0.092967
-0.01711	0.71224	-0.15382	0.00085	0.000334	0.99425	-0.17564	0.00014	0.130671
0.044001	0.34273	-0.179	0.0001	-0.02183	0.63804	-0.1906	3.39E-05	0.19887
0.005532	0.90509	-0.12012	0.00937	0.049146	0.28921	-0.13054	0.00472	0.094838
0.031765	0.49349	0.087309	0.05939	0.010358	0.82334	-0.02788	0.5479	-0.25626
0.074725	0.1068	0.251484	3.61E-08	0.327928	3.61E-13	0.261327	9.92E-09	0.061165
0.00848	0.85499	0.040735	0.37979	0.074157	0.1095	-0.02936	0.52684	-0.036
-0.04931	0.2876	-0.06864	0.1386	-0.00423	0.92728	-0.03921	0.39789	0.098769
0.051845	0.26351	0.0372	0.42254	0.204942	8.03E-06	-0.09464	0.04093	-0.09185
0.05644	0.22346	0.063895	0.16806	0.123599	0.00749	-0.05264	0.25627	-0.08204
0.035422	0.44507	0.151663	0.00101	0.132464	0.00414	0.039966	0.38885	-0.08449
-0.17161	0.00019	0.009558	0.83678	-0.19125	3.18E-05	0.023155	0.61771	-0.20542
0.024791	0.59308	0.055743	0.22924	0.118737	0.01022	-0.0641	0.16669	-0.10525
0.017751	0.70202	-0.074	0.11025	-0.02794	0.54692	-0.15366	0.00086	-0.10972
-0.00013	0.99784	-0.14128	0.00221	-0.1012	0.02877	-0.16229	0.00043	-0.04567
0.094593	0.04102	-0.10354	0.02525	0.083479	0.0715	-0.16401	0.00037	0.08408
0.043919	0.34363	0.036677	0.4291	0.050889	0.27243	0.011989	0.79611	0.05111
-0.01229	0.79114	-0.05614	0.22589	-0.01468	0.75168	-0.09884	0.03273	0.104975
0.041028	0.37636	-0.02301	0.61988	0.049092	0.28975	-0.05326	0.25073	-0.06099
0.095368	0.03939	-0.12566	0.00655	0.022498	0.62772	-0.18443	6.09E-05	-0.01821
-0.0241	0.60335	0.019214	0.67877	-0.01091	0.81405	-0.02528	0.58584	-0.11077
0.053382	0.2496	-0.0388	0.4028	0.094075	0.04215	-0.08604	0.06318	-0.01495
0.004337	0.92553	-0.02923	0.52863	0.042571	0.35866	-0.07722	0.09555	-0.03832
-0.01256	0.78655	-0.00068	0.98824	0.0914	0.04838	0.005284	0.90932	0.129279
0.034205	0.46087	0.029666	0.52249	0.145227	0.00165	-0.0392	0.39802	0.107829
-0.05256	0.25694	-0.00441	0.92426	0.170101	0.00022	-0.08654	0.06167	0.153063
-0.04927	0.28798	-0.09182	0.04736	0.000451	0.99225	-0.14999	0.00115	0.002545
0.127284	0.00588	0.021733	0.63946	0.062996	0.17413	0.010107	0.82757	-0.05283
0.057912	0.21159	0.047433	0.30638	0.140569	0.00233	-0.05414	0.24295	-0.06521
-0.0237	0.6094	0.070266	0.12945	0.076282	0.09967	0.173601	0.00016	0.090984

0.182146	7.53E-05	0.118572	0.01033	0.219484	1.68E-06	0.017686	0.70305	0.098959
-0.18459	6.00E-05	-0.10245	0.02684	-0.25241	3.21E-08	-0.11477	0.01308	-0.14222
0.149367	0.00121	0.034228	0.46058	0.144588	0.00173	-0.03998	0.38868	-0.04534
-0.01182	0.79898	-0.00944	0.83876	0.074626	0.10726	-0.11759	0.01099	-0.05387
0.053103	0.25209	0.035906	0.43887	0.048862	0.29201	0.028356	0.54102	0.080908
-0.04272	0.35702	-0.08311	0.07277	0.004655	0.92009	-0.10744	0.02022	0.021313
0.059632	0.19832	-0.12854	0.0054	0.060444	0.19227	-0.19988	1.35E-05	0.016699
-0.04515	0.33027	-0.08407	0.0695	-0.01613	0.7281	-0.1989	1.49E-05	-0.13491
-0.03919	0.39816	-0.12103	0.00884	-0.04647	0.31631	-0.20182	1.11E-05	0.037778
0.029038	0.53134	0.071325	0.12376	0.165223	0.00034	-0.02723	0.55715	-0.08416
0.069569	0.1333	0.018976	0.68254	0.126311	0.00627	-0.01207	0.79469	-0.03847
0.159389	0.00055	0.005046	0.91339	0.213404	3.27E-06	-0.05419	0.24253	0.084096
0.059907	0.19625	0.036696	0.42886	0.08317	0.07256	-0.01832	0.69302	0.076065
0.014156	0.76028	-0.14142	0.00219	0.002133	0.96333	-0.1967	1.86E-05	0.097811
-0.09245	0.04584	-0.04684	0.31245	-0.18164	7.89E-05	-0.0007	0.98794	-0.06249
0.086155	0.06284	0.150045	0.00115	0.295379	7.42E-11	-0.02056	0.6576	-0.07367
0.246414	6.88E-08	0.282773	4.91E-10	0.529134	4.72E-35	0.185383	5.57E-05	0.046935
0.096857	0.0364	-0.04074	0.37975	0.185965	5.27E-05	-0.09626	0.03758	0.008796
-0.13261	0.0041	0.026677	0.56525	-0.08579	0.06397	-0.12393	0.00733	-0.16174
-0.0631	0.17343	-0.04256	0.35883	-0.02	0.66636	-0.00158	0.97288	0.218133
0.059858	0.19663	0.026195	0.57231	0.098481	0.03336	-0.05497	0.23579	0.025656
0.091249	0.04875	-0.07712	0.09599	0.052236	0.25992	-0.09978	0.03109	0.185427
0.048073	0.29988	-0.09229	0.04623	0.134369	0.00362	-0.22443	9.61E-07	-0.05699
0.022678	0.62496	-0.1106	0.01681	-0.1141	0.01362	-0.19764	1.69E-05	-0.05821
0.13864	0.00268	0.084891	0.06682	0.24831	5.42E-08	0.023269	0.61597	0.027386
0.059515	0.19921	0.105774	0.02225	0.185905	5.30E-05	0.054122	0.24309	0.051498
0.08542	0.06513	-0.06597	0.15464	0.114602	0.01321	-0.13726	0.00296	0.043934
0.050443	0.27666	-0.0653	0.15889	0.110818	0.01659	-0.12126	0.00871	0.073054
0.055021	0.23533	0.011803	0.7992	0.135264	0.0034	-0.04296	0.35433	0.081768
0.000206	0.99645	-0.03756	0.41804	0.093264	0.04396	-0.1254	0.00666	-0.126
0.107235	0.02046	0.080232	0.08328	0.142967	0.00195	-0.06886	0.1373	-0.12257
0.014708	0.75123	0.001034	0.98222	0.087666	0.05835	-0.12192	0.00835	0.058921
0.039613	0.39306	0.166188	0.00031	0.034437	0.45784	0.025871	0.57706	-0.15043
0.076106	0.10046	-0.03584	0.43965	0.021024	0.65042	-0.06923	0.1352	0.02902
0.053178	0.25141	-0.02695	0.56135	0.122246	0.00818	-0.04933	0.28741	0.140163
-0.08106	0.08012	0.012014	0.79568	-0.12056	0.00911	0.108967	0.0185	0.039993
0.058787	0.20477	0.052377	0.25864	0.147515	0.00139	-0.0076	0.86982	0.024214
0.097612	0.03496	-0.08012	0.08369	0.052357	0.25882	-0.13211	0.00424	0.078496
0.151494	0.00102	-0.07427	0.10894	0.039483	0.39461	-0.18063	8.66E-05	-0.07251
0.053087	0.25223	-0.0259	0.57663	0.037777	0.41538	-0.02819	0.54335	0.049471
0.043089	0.35283	-0.06501	0.16072	-0.03395	0.46427	-0.07203	0.12007	0.052494
-0.00688	0.88218	0.208872	5.31E-06	0.118745	0.01022	0.170778	0.00021	-0.09354
0.184239	6.20E-05	0.054718	0.23793	0.097778	0.03465	0.000443	0.99238	0.094057
0.177216	0.00012	0.059316	0.20071	0.143545	0.00187	0.025377	0.58437	0.02183
0.233005	3.54E-07	0.016164	0.72755	0.185601	5.45E-05	0.008509	0.85448	0.037745

0.22767	6.62E-07	0.061226	0.18657	0.188317	4.22E-05	0.039541	0.39392	0.050105
0.117889	0.01078	-0.01225	0.79182	0.095627	0.03885	-0.01253	0.78715	0.131074
0.195596	2.07E-05	0.04899	0.29075	0.120762	0.00899	0.039433	0.39522	-0.00538
0.224447	9.58E-07	0.082734	0.07407	0.150796	0.00108	0.079195	0.08735	0.072958
0.182049	7.60E-05	0.070082	0.13046	0.146323	0.00152	0.029936	0.51871	0.053242
0.202036	1.08E-05	0.047389	0.30682	0.200895	1.22E-05	0.043362	0.3498	0.064747
0.10861	0.01889	0.009679	0.83475	0.084409	0.06839	0.023066	0.61905	0.125679
0.045079	0.33102	-0.06508	0.16027	-0.01074	0.81687	-0.08773	0.05816	-0.06598
0.205213	7.80E-06	0.064572	0.16358	0.162777	0.00041	0.049652	0.28427	0.049084
0.136337	0.00316	0.005484	0.90592	0.057673	0.2135	0.003464	0.94049	-0.01316
0.141884	0.00212	-0.02228	0.63111	0.003111	0.94655	0.00783	0.866	0.095633
0.234197	3.07E-07	0.084777	0.06719	0.186743	4.90E-05	0.032911	0.47802	0.013268
0.47228	2.55E-27	0.156285	0.0007	0.281861	5.61E-10	0.159959	0.00052	0.084899
0.266471	4.94E-09	0.060626	0.19093	0.225997	8.03E-07	0.036193	0.43522	0.055458
0.127849	0.00566	-0.06454	0.16377	0.046035	0.32086	-0.05412	0.24311	0.04484
0.164172	0.00037	0.050134	0.27962	0.063049	0.17377	0.073114	0.11459	0.063595
0.289304	1.87E-10	0.028164	0.54378	0.152468	0.00095	0.039807	0.39074	0.043961
0.250634	4.03E-08	0.010931	0.81375	0.11747	0.01107	-0.01911	0.68048	-0.00563
0.217195	2.16E-06	0.079565	0.08588	0.132246	0.0042	0.042657	0.35769	0.005256
0.163578	0.00039	0.004257	0.9269	0.000714	0.98772	-0.01616	0.72769	-0.03988
0.11205	0.01541	-0.00707	0.87883	0.119705	0.00962	-0.02045	0.65937	0.028309
0.245503	7.72E-08	0.039041	0.39993	0.139916	0.00244	0.046014	0.32108	0.062773
0.195065	2.19E-05	0.094066	0.04217	0.14855	0.00128	0.054831	0.23696	0.047201
0.218348	1.90E-06	0.132216	0.00421	0.202631	1.02E-05	0.083474	0.07151	0.074626
0.225186	8.81E-07	0.026853	0.56269	0.162794	0.00041	0.025547	0.58185	0.046107
0.129799	0.00496	-0.04393	0.34353	0.04454	0.33685	-0.03666	0.42936	-0.01849
0.204011	8.84E-06	0.031847	0.49237	0.17814	0.00011	-0.01134	0.80683	0.013842
0.261669	9.48E-09	0.070084	0.13045	0.19016	3.53E-05	0.082416	0.07519	0.030165
0.170151	0.00022	0.017968	0.69854	0.137407	0.00292	0.0228	0.62311	0.0721
0.155447	0.00075	0.037138	0.42332	0.131315	0.00448	0.038701	0.40405	0.028972
0.126406	0.00623	-0.01048	0.82122	0.10567	0.02238	-0.00041	0.99291	-0.03806
0.19716	1.78E-05	0.141742	0.00214	0.406111	5.70E-20	0.264055	6.87E-09	0.153566
0.200916	1.21E-05	0.03621	0.435	0.096101	0.03789	0.041869	0.36665	0.010662
0.136198	0.00319	0.095427	0.03927	0.179273	9.81E-05	0.02501	0.58981	0.018628
0.148004	0.00134	0.006459	0.88928	0.070092	0.13041	0.01476	0.75039	0.035507
0.09124	0.04878	-0.03183	0.49262	0.056056	0.22663	-0.03807	0.41183	0.059497
0.160423	0.0005	0.040684	0.38038	0.161906	0.00044	0.083667	0.07086	0.146383
0.295926	6.82E-11	0.314907	3.29E-12	0.396618	4.82E-19	0.211489	4.02E-06	0.090423
0.168237	0.00026	0.025461	0.58312	0.096998	0.03613	0.04052	0.3823	0.011697
0.161424	0.00046	-0.00738	0.87356	0.117126	0.01131	-0.01723	0.71033	0.084876
0.258941	1.36E-08	0.068138	0.1415	0.200462	1.27E-05	0.062361	0.17852	0.074526
0.14283	0.00197	0.090297	0.05117	0.11896	0.01008	0.133672	0.0038	-0.00144
0.243638	9.74E-08	0.367006	2.45E-16	0.411374	1.69E-20	0.26205	9.00E-09	0.096387
0.17932	9.76E-05	0.039884	0.38982	0.193695	2.50E-05	0.032665	0.48132	0.032859
0.189647	3.71E-05	0.026611	0.56622	0.110961	0.01645	0.040063	0.3877	-0.06028

0.217342	2.13E-06	0.031477	0.49741	0.208331	5.63E-06	0.016021	0.72985	0.05895
0.219866	1.61E-06	0.088497	0.056	0.197334	1.74E-05	0.068437	0.13976	0.065994
0.346885	1.19E-14	0.0722	0.11921	0.238214	1.90E-07	0.087689	0.05829	0.065158
0.21477	2.82E-06	0.044095	0.3417	0.191353	3.15E-05	0.018585	0.68873	0.024959
0.159303	0.00055	0.023036	0.61952	0.177904	0.00011	0.043409	0.34927	0.117336
0.228884	5.75E-07	0.03537	0.44574	0.193356	2.59E-05	0.02958	0.52369	0.03249
0.19764	1.69E-05	0.010743	0.81689	0.144149	0.00179	-0.0534	0.2494	0.124047
0.095825	0.03845	0.150926	0.00107	0.203828	9.01E-06	0.197743	1.67E-05	0.042495
0.123107	0.00774	0.065553	0.15726	0.064103	0.16667	0.062831	0.17526	-0.01235
0.178654	0.0001	-0.01947	0.67472	0.084923	0.06671	0.00497	0.91469	0.036521
0.200197	1.31E-05	0.013687	0.768	0.116844	0.01151	0.021622	0.64117	0.002957
0.183045	6.93E-05	0.063354	0.17169	0.139545	0.00251	0.085267	0.06561	0.076737
0.173828	0.00016	-0.03118	0.50154	0.079037	0.08799	-0.01037	0.82317	0.077318
0.17524	0.00014	0.020144	0.66415	0.168103	0.00026	0.049898	0.28189	0.04335
0.147964	0.00134	-0.03262	0.48185	0.056913	0.2196	-0.02574	0.57895	0.033233
0.177633	0.00011	0.015943	0.73112	0.134159	0.00368	-0.03155	0.49644	-0.03921
0.147063	0.00144	0.033228	0.47379	0.101317	0.02858	0.021422	0.64426	0.05715
0.195127	2.17E-05	0.054576	0.23915	0.229664	5.25E-07	0.016707	0.71878	0.056634
0.162323	0.00043	-0.0057	0.90217	0.10175	0.0279	0.004548	0.92192	0.049628
0.189682	3.70E-05	0.051299	0.26858	0.161953	0.00044	0.040255	0.38543	0.021757
0.163124	0.0004	0.028325	0.54148	0.102571	0.02666	0.044367	0.33873	0.045927
0.190079	3.56E-05	0.023582	0.61123	0.164906	0.00035	0.027343	0.55558	0.070125
0.219266	1.72E-06	0.040885	0.37802	0.133511	0.00385	0.050463	0.27647	0.063126
0.217409	2.11E-06	0.054074	0.24351	0.109811	0.0176	0.061291	0.1861	0.031733
0.206368	6.92E-06	0.053932	0.24475	0.15967	0.00053	0.046765	0.31324	0.036777
0.203502	9.32E-06	0.054496	0.23984	0.167185	0.00028	0.057438	0.21537	0.05451
0.130261	0.00481	0.021341	0.64551	0.118017	0.0107	0.031925	0.49131	-0.01862
0.204271	8.61E-06	0.043024	0.35356	0.119486	0.00975	0.06278	0.17561	0.078745
0.216748	2.27E-06	0.038893	0.40172	0.124711	0.00697	0.041628	0.36942	0.022976
0.213207	3.34E-06	0.057931	0.21144	0.187277	4.65E-05	0.053173	0.25146	0.039747
0.197227	1.76E-05	0.056243	0.22508	0.209422	5.01E-06	0.064228	0.16584	0.049774
0.183406	6.70E-05	0.019793	0.66965	0.145385	0.00163	0.008972	0.84667	-0.01907
0.202427	1.04E-05	0.023454	0.61317	0.180485	8.78E-05	0.022528	0.62725	0.050853
0.214905	2.78E-06	0.042725	0.35693	0.216472	2.34E-06	0.0437	0.34604	0.056672
0.113835	0.01384	0.010897	0.81432	0.177661	0.00011	0.012622	0.78558	0.189666
0.104046	0.02454	-0.08453	0.068	-0.05435	0.24107	-0.08555	0.06471	0.000898
0.110649	0.01675	-0.04517	0.33008	0.057792	0.21255	-0.08327	0.0722	0.012527
0.114814	0.01304	0.011717	0.80063	0.080286	0.08307	0.032887	0.47834	0.037058
0.134435	0.00361	0.008562	0.85359	0.062723	0.17601	0.008602	0.85291	0.05996
0.087363	0.05923	-0.02744	0.55414	0.050824	0.27304	-0.0118	0.79921	0.038394
0.092448	0.04585	-0.00153	0.97364	0.102136	0.02731	-0.01328	0.77473	0.039043
0.132515	0.00412	0.02975	0.52131	0.155261	0.00076	0.043515	0.34809	0.063272
0.130233	0.00482	0.048091	0.2997	0.14365	0.00186	0.042005	0.3651	0.027206
0.18861	4.10E-05	-0.01004	0.82861	0.097737	0.03473	-0.01737	0.70815	0.040288
0.267291	4.42E-09	0.052597	0.25664	0.111372	0.01605	-0.00189	0.96752	0.135586

0.238753	1.78E-07	0.049031	0.29035	0.113334	0.01427	0.096311	0.03747	0.105454
0.20211	1.08E-05	0.050611	0.27506	0.128878	0.00528	0.037256	0.42184	0.048905
0.191894	2.98E-05	0.028674	0.53649	0.151095	0.00106	-0.01438	0.75664	0.023344
0.204568	8.35E-06	0.063504	0.17068	0.140333	0.00237	0.050372	0.27734	0.055593
0.166772	0.00029	0.049942	0.28146	0.162776	0.00041	0.039888	0.38978	0.001336
0.143673	0.00185	0.111622	0.01581	0.197399	1.73E-05	0.104096	0.02447	0.07031
0.263646	7.26E-09	-0.00939	0.83969	0.114131	0.01359	-0.01078	0.81634	0.029425
0.206029	7.17E-06	0.053269	0.2506	0.140444	0.00235	0.058176	0.20952	0.105987
0.136907	0.00303	0.11654	0.01173	0.180876	8.47E-05	0.070074	0.1305	0.121035
0.206327	6.95E-06	-0.00426	0.92682	0.118359	0.01047	-0.01849	0.6903	0.045638
0.125754	0.00651	0.028148	0.544	0.1363	0.00316	0.052468	0.25781	0.144681
0.233879	3.19E-07	0.060131	0.19458	0.203189	9.63E-06	0.036526	0.431	0.043098
0.179605	9.51E-05	0.025899	0.57665	0.12147	0.0086	0.000415	0.99286	0.05196
0.227223	6.97E-07	0.029374	0.52659	0.149135	0.00123	0.027326	0.55583	0.017079
0.17862	0.0001	0.060275	0.19352	0.12458	0.00703	0.020986	0.65103	0.016734
0.2146	2.87E-06	-0.00965	0.83529	0.115396	0.01258	-0.02019	0.66343	0.066869
0.237564	2.05E-07	0.060874	0.18912	0.167475	0.00028	0.065131	0.15995	0.050892
0.204659	8.27E-06	0.110971	0.01644	0.239822	1.56E-07	0.028948	0.5326	-0.0002
0.248777	5.11E-08	0.050919	0.27214	0.238088	1.93E-07	0.04185	0.36687	0.067004
0.099498	0.03158	-0.01439	0.75641	0.036209	0.43501	-0.03727	0.42172	0.050047
0.182035	7.61E-05	-0.01178	0.79953	0.110448	0.01695	-0.0106	0.81923	0.059251
0.231585	4.19E-07	0.042418	0.36039	0.187378	4.61E-05	0.029932	0.51877	-0.00599
0.164487	0.00036	0.038232	0.40978	0.178457	0.00011	0.014673	0.75181	0.019533
0.251226	3.73E-08	0.073502	0.11267	0.153374	0.00088	0.02182	0.63812	0.103052
0.157454	0.00064	0.023327	0.61509	0.092061	0.04677	-0.01711	0.71221	0.037977
0.129469	0.00508	0.004261	0.92684	0.096807	0.0365	0.00089	0.9847	0.109576
0.359563	1.06E-15	0.043384	0.34955	0.121374	0.00865	0.010941	0.81358	0.062744
0.191232	3.18E-05	0.026567	0.56686	0.173044	0.00017	0.024198	0.60195	0.080551
0.212175	3.73E-06	0.033628	0.46848	0.110789	0.01661	0.032406	0.4848	0.022713
0.221501	1.34E-06	0.038806	0.40278	0.142925	0.00196	0.035515	0.44387	0.014831
0.19751	1.71E-05	0.000553	0.9905	0.135167	0.00343	0.013358	0.77343	0.059928
0.232015	3.98E-07	0.050813	0.27315	0.167542	0.00028	0.043547	0.34774	0.040653
0.199554	1.40E-05	0.047078	0.31002	0.135208	0.00342	0.040176	0.38636	0.03119
0.165629	0.00032	0.024967	0.59045	0.038272	0.40929	-0.02842	0.54013	0.035895
0.109921	0.01749	-0.0232	0.61697	0.053157	0.2516	-0.03231	0.48604	0.047514
0.176779	0.00012	0.064598	0.16341	0.094364	0.04152	0.047618	0.30449	-0.0007
0.095605	0.0389	-0.04573	0.32404	0.025065	0.58899	-0.09293	0.04474	-0.05184
0.110491	0.01691	-0.07768	0.09359	0.11431	0.01345	-0.05399	0.24428	0.194256
0.192617	2.78E-05	-0.00872	0.85088	0.118326	0.01049	-0.00142	0.97562	0.112631
0.101656	0.02805	0.048285	0.29776	0.027156	0.55829	0.044934	0.33259	0.018993
0.038326	0.40862	-0.04637	0.31732	-0.05933	0.20057	-0.05752	0.21475	0.019334
0.106859	0.02091	0.067727	0.14392	0.141349	0.0022	0.047848	0.30215	0.063341
0.069298	0.13483	0.003825	0.9343	-0.00721	0.87645	0.004414	0.92421	0.00191
0.177575	0.00011	0.016948	0.71489	0.057493	0.21493	-0.00027	0.99531	-0.04959
0.161798	0.00045	0.042486	0.35962	0.068982	0.13662	0.021592	0.64164	0.053186

0.324057	7.03E-13	0.023864	0.60698	0.02958	0.5237	0.010064	0.82828	-0.00226
0.361711	7.00E-16	0.004826	0.91715	0.057099	0.21809	0.013334	0.77381	-0.01218
0.159671	0.00053	0.059195	0.20164	0.080941	0.08058	0.064478	0.1642	0.007922
0.175824	0.00013	-0.03404	0.46301	-0.00417	0.92841	-0.04878	0.29284	-0.06295
0.126765	0.00609	0.110355	0.01705	0.101517	0.02827	0.086612	0.06146	-0.10181
0.065893	0.15512	-0.03126	0.50036	-0.04189	0.36646	0.033624	0.46852	0.012686
0.121387	0.00864	0.040323	0.38462	0.011147	0.81013	0.013878	0.76485	0.063391
0.083101	0.07279	0.039236	0.39758	0.080149	0.0836	-0.01357	0.76993	-0.03652
0.226542	7.54E-07	0.05623	0.22519	0.116729	0.01159	0.022131	0.63334	0.00491
0.217245	2.15E-06	0.05972	0.19766	0.105439	0.02268	0.047375	0.30697	-0.01744
0.150448	0.00111	0.009445	0.83869	0.013565	0.77001	-0.02328	0.61578	-0.04607
0.169572	0.00023	0.053501	0.24855	0.030305	0.51357	0.035513	0.4439	0.000447
0.170846	0.00021	-0.00525	0.90988	0.090016	0.0519	-0.06102	0.18809	0.097147
0.14258	0.00201	0.123066	0.00776	0.165373	0.00033	0.086115	0.06297	0.025963
0.246466	6.84E-08	0.041728	0.36827	0.083848	0.07025	0.011193	0.80937	0.058438
0.205689	7.43E-06	0.061465	0.18485	0.122112	0.00825	0.057754	0.21285	-0.00644
0.186798	4.87E-05	0.030952	0.50462	0.075605	0.10272	0.042717	0.35702	0.028687
0.081899	0.07705	-0.00065	0.98882	-0.02189	0.637	0.03832	0.40869	0.054817
0.336169	8.43E-14	0.093255	0.04398	0.201647	1.13E-05	0.105169	0.02303	0.035241
0.143345	0.0019	-0.07355	0.11244	-0.04448	0.33746	-0.07691	0.09691	-0.02309
0.102783	0.02634	-0.01498	0.74676	0.092422	0.04591	0.014839	0.7491	0.112051
0.143629	0.00186	0.067519	0.14516	0.137226	0.00296	0.054036	0.24384	-0.03736
0.009537	0.83714	0.005168	0.91131	0.033314	0.47265	0.010186	0.82623	0.036344
0.19244	2.83E-05	0.048893	0.29171	0.136352	0.00315	0.06192	0.18161	0.019837
0.167212	0.00028	0.021463	0.64363	0.072169	0.11937	0.004507	0.92262	-0.00382
0.308273	9.72E-12	0.231438	4.26E-07	0.291054	1.43E-10	0.171117	0.0002	0.013032
0.177936	0.00011	0.050101	0.27993	0.022731	0.62415	0.035167	0.44835	-0.04734
0.206255	7.00E-06	0.05435	0.2411	0.091977	0.04698	0.053073	0.25235	0.00701
0.108923	0.01855	0.06331	0.17199	0.083781	0.07047	0.131339	0.00447	0.104308
0.148262	0.00131	0.065686	0.15642	0.030895	0.5054	0.023427	0.61357	-0.05067
0.123493	0.00754	0.030849	0.50603	0.003097	0.94679	0.031545	0.49648	0.007989
0.10072	0.02953	0.074359	0.10853	0.024556	0.59659	0.034488	0.45717	0.009007
0.141991	0.0021	0.100479	0.02993	0.073104	0.11464	0.004958	0.9149	-0.05327
0.192934	2.70E-05	0.0571	0.21808	0.072034	0.12006	0.027973	0.5465	0.003724
0.14773	0.00137	0.064969	0.161	0.093096	0.04435	0.011235	0.80866	0.080931
0.157205	0.00065	0.0462	0.31913	0.074001	0.11025	0.050807	0.2732	0.000335
0.183831	6.44E-05	0.007806	0.8664	0.063598	0.17004	0.017292	0.70936	0.004671
0.208288	5.65E-06	0.050199	0.27899	0.084499	0.06809	0.050898	0.27235	0.008227
0.169382	0.00024	0.07305	0.11491	0.128751	0.00533	0.077645	0.09375	0.023652
0.140496	0.00234	0.101738	0.02792	0.121014	0.00885	0.075987	0.10099	0.028443
0.310215	7.10E-12	0.006784	0.88375	0.025907	0.57654	0.002515	0.95678	0.019889
0.170288	0.00022	0.021667	0.64048	0.090662	0.05023	0.033485	0.47037	0.041551
0.126032	0.00639	0.10895	0.01852	0.112741	0.01479	0.100374	0.0301	0.045238
0.176648	0.00012	0.0102	0.82599	0.043835	0.34456	-0.01466	0.75196	0.002812
0.160226	0.00051	0.012742	0.78361	-0.021	0.65083	0.014601	0.75299	-0.00699



0.143204	0.00192	0.040034	0.38805	0.054349	0.24111	0.068275	0.1407	0.072533
0.097527	0.03512	0.065368	0.15844	0.11959	0.00969	0.035793	0.44031	0.078525
0.150596	0.0011	0.168319	0.00026	0.099616	0.03137	0.195686	2.06E-05	0.053176
0.139318	0.00255	0.099718	0.0312	0.04322	0.35138	0.1043	0.02419	0.006183
0.077376	0.09489	0.008893	0.84801	-0.03318	0.47443	-0.03462	0.45546	-0.01411
0.074832	0.1063	-0.03634	0.4334	-0.02389	0.60661	-0.04499	0.332	0.049652
0.07509	0.10509	0.022373	0.62963	0.089084	0.05438	0.00223	0.96166	-0.04122
0.130847	0.00462	0.053782	0.24607	0.059384	0.2002	0.047779	0.30286	0.039335
0.150796	0.00108	0.039868	0.39001	0.010523	0.82058	0.026017	0.57493	0.043335
0.147475	0.00139	0.108766	0.01872	0.091299	0.04863	0.027454	0.55398	-0.00657
0.102404	0.02691	-0.03224	0.48709	-0.00907	0.84496	-0.05687	0.21994	0.083794
0.142485	0.00202	0.059372	0.20029	0.013469	0.77159	0.039632	0.39283	-0.01184
0.10711	0.02061	0.058957	0.20346	0.071759	0.12148	-0.00315	0.94586	0.038839
0.058647	0.20585	0.061765	0.18271	-0.00532	0.90879	-0.00393	0.93253	-0.13436
0.233162	3.48E-07	0.024777	0.59328	0.025286	0.58571	0.021647	0.64079	0.070969
0.063035	0.17386	0.022477	0.62804	0.030838	0.50618	0.049372	0.287	0.036116
0.189937	3.61E-05	0.084103	0.0694	0.1014	0.02845	0.101843	0.02776	0.005062
0.171092	0.0002	0.075131	0.1049	0.138914	0.00263	0.096208	0.03768	0.024265
0.192728	2.75E-05	0.060081	0.19496	0.131384	0.00446	0.002138	0.96325	0.093041
0.207964	5.85E-06	0.06716	0.14731	0.125923	0.00643	0.049818	0.28266	0.048894
0.112074	0.01539	0.045144	0.33033	0.056057	0.22662	0.038359	0.40822	-0.02054
0.104789	0.02353	-0.01824	0.69428	0.046414	0.3169	-0.00917	0.84334	0.096184
0.109965	0.01744	-0.05967	0.19802	0.024556	0.59659	-0.07042	0.12862	-0.04855
0.095589	0.03893	0.028849	0.53402	0.022997	0.6201	0.002952	0.94927	0.097583
0.109733	0.01768	0.086749	0.06105	0.046611	0.31484	0.069035	0.13632	-0.04228
0.201082	1.19E-05	0.06584	0.15545	0.056861	0.22002	0.060392	0.19265	-0.0192
0.141832	0.00212	0.056007	0.22704	0.04806	0.30001	0.05909	0.20244	-0.0066
0.142975	0.00195	0.046663	0.3143	0.096718	0.03667	0.061088	0.18757	0.020287
0.10506	0.02317	0.067736	0.14387	0.04232	0.3615	0.038587	0.40544	0.008103
0.197018	1.80E-05	0.033543	0.46961	0.096668	0.03677	0.02425	0.60116	-0.00192
0.149928	0.00116	0.067181	0.14719	0.104589	0.0238	0.091882	0.0472	-0.01082
0.224013	1.01E-06	0.035042	0.44997	0.083198	0.07246	0.018712	0.68671	-0.00116
0.109359	0.01808	0.027095	0.55917	0.000874	0.98496	0.009647	0.83529	-0.02731
0.120463	0.00917	0.05609	0.22635	0.12678	0.00608	0.02952	0.52454	0.045713
0.188814	4.02E-05	0.016567	0.72104	0.096449	0.0372	0.039278	0.39707	-0.0067
0.113481	0.01414	0.030094	0.5165	0.023501	0.61246	0.018774	0.68573	-0.01476
0.189035	3.94E-05	0.040725	0.3799	0.125233	0.00673	0.056929	0.21947	0.013334
0.153309	0.00089	0.076819	0.0973	0.104404	0.02405	0.084424	0.06834	0.029189
0.167926	0.00027	0.054497	0.23983	0.033406	0.47142	0.057742	0.21294	-0.01568
0.197463	1.72E-05	0.044104	0.3416	0.11669	0.01162	0.051576	0.266	0.017339
0.153338	0.00089	0.005065	0.91307	0.012116	0.79399	0.026827	0.56306	0.012983
0.13752	0.0029	0.04065	0.38078	0.062055	0.18067	0.029085	0.53068	-0.02112
0.178885	0.0001	0.035165	0.44838	0.091094	0.04914	0.022891	0.62172	0.026016
0.16597	0.00032	0.06842	0.13986	0.113314	0.01428	0.045163	0.33012	-0.02195
0.238557	1.82E-07	0.116643	0.01165	0.157994	0.00061	0.087758	0.05809	0.008411

0.117891	0.01078	0.095074	0.04	0.052928	0.25365	0.097403	0.03536	0.003859
0.153494	0.00088	0.043953	0.34326	0.038747	0.40349	0.036252	0.43447	0.005177
0.18808	4.31E-05	0.050868	0.27263	0.128294	0.00549	0.062039	0.18078	0.038654
0.169048	0.00024	0.034533	0.45658	0.148602	0.00128	0.044848	0.33351	0.002601
0.193462	2.56E-05	0.101163	0.02882	0.148493	0.00129	0.088159	0.05694	0.032874
0.169978	0.00022	0.063058	0.1737	0.089769	0.05254	0.06375	0.16902	0.012456
0.085453	0.06503	0.020707	0.65536	0.02055	0.65781	0.019151	0.67976	-0.01235
0.082512	0.07485	0.090591	0.05041	0.115805	0.01227	0.144378	0.00176	0.021459
0.133847	0.00376	0.029836	0.52011	0.079944	0.08439	0.076816	0.09732	0.073791
0.11993	0.00948	0.059276	0.20102	0.076376	0.09925	0.002188	0.96239	-0.06188
0.111306	0.01611	0.053377	0.24964	0.085686	0.0643	0.034926	0.45147	-0.0392
0.097824	0.03457	0.036542	0.4308	-0.03355	0.46956	0.050134	0.27962	-0.00207
0.066994	0.14832	0.014495	0.75472	0.044502	0.33726	-0.05428	0.24169	-0.04177
0.185648	5.43E-05	0.054177	0.2426	0.083099	0.0728	0.063586	0.17012	0.013002
0.134282	0.00365	0.040322	0.38463	-0.01669	0.71904	-0.00495	0.91501	-0.06943
0.15873	0.00058	0.015514	0.73808	0.061969	0.18127	0.006737	0.88455	-0.05488
0.08988	0.05225	0.058333	0.20829	0.073076	0.11478	0.040972	0.37701	0.080172
0.163264	0.0004	0.054423	0.24047	0.101358	0.02851	0.065552	0.15727	0.039531
0.114191	0.01354	0.101507	0.02828	0.135329	0.00339	0.04556	0.32588	0.021546
-0.00846	0.85529	0.018894	0.68383	0.045815	0.32319	0.044605	0.33614	-0.04384
0.091097	0.04913	-0.04262	0.35816	-0.06867	0.13842	-0.05098	0.27153	-0.00845
0.047647	0.30419	0.077606	0.09391	0.117306	0.01118	0.101955	0.02759	0.067699
0.142612	0.00201	0.076088	0.10054	0.017948	0.69886	0.066163	0.15343	-0.02188
0.109785	0.01763	-0.00224	0.96148	0.019774	0.66995	0.006635	0.88628	-0.02509
0.270345	2.89E-09	0.055574	0.23066	0.175876	0.00013	0.065384	0.15834	0.033574
0.157545	0.00063	0.138677	0.00267	0.055782	0.22891	0.072186	0.11928	-0.06108
0.073718	0.11162	0.032377	0.48519	0.075479	0.1033	0.057648	0.21369	-0.02413
0.186052	5.23E-05	0.04635	0.31756	0.07185	0.12101	0.00429	0.92633	-0.02992
0.152108	0.00098	0.028781	0.53497	0.09561	0.03889	0.076515	0.09864	0.041874
0.194503	2.31E-05	0.05915	0.20198	0.113355	0.01425	0.044356	0.33885	-0.0397
0.131917	0.0043	-0.01168	0.80129	0.027242	0.55705	-0.02918	0.52936	-0.03558
0.164032	0.00037	0.026872	0.56242	0.079179	0.08742	-0.00311	0.94655	0.021853
0.181425	8.05E-05	0.022195	0.63236	0.06375	0.16902	0.038083	0.4116	0.081448
0.137851	0.00283	-0.02683	0.56305	0.031699	0.49438	-0.02474	0.59381	0.054701
0.386828	4.06E-18	0.134032	0.00371	0.171277	0.0002	0.101817	0.0278	-0.01221
0.077552	0.09414	-0.00912	0.84417	0.00146	0.97489	0.011276	0.80798	-0.03388
0.059746	0.19746	0.108115	0.01944	0.002186	0.96242	0.05089	0.27242	-0.08044
0.173309	0.00017	0.045019	0.33167	0.067384	0.14596	0.054836	0.23691	-0.02197
0.106155	0.02177	0.057187	0.21738	-0.0046	0.92106	0.017407	0.70752	-0.03388
0.195294	2.14E-05	0.083441	0.07163	0.107292	0.02039	0.082984	0.0732	-0.01952
0.110482	0.01692	-0.04346	0.34874	0.010965	0.81318	-0.03799	0.41272	0.037752
0.173496	0.00016	-0.00375	0.93556	0.081509	0.07847	0.002519	0.9567	0.030579
0.208219	5.70E-06	0.063236	0.17249	0.053517	0.2484	0.041884	0.36647	0.044529
0.182702	7.15E-05	0.045364	0.32797	0.051723	0.26464	0.041578	0.37	-0.011
0.150388	0.00112	0.096996	0.03613	0.044324	0.3392	0.120436	0.00918	0.05079

0.160917	0.00048	0.059175	0.20179	0.064584	0.1635	0.051387	0.26776	-0.00113
0.14773	0.00137	0.013173	0.77647	0.070879	0.12614	-0.0322	0.48754	-0.00909
0.188316	4.22E-05	0.044835	0.33366	0.06146	0.18489	0.055241	0.23346	-0.0097
-0.03821	0.41003	-0.10574	0.02229	0.119374	0.00982	-0.15805	0.00061	0.222094
0.042091	0.36411	-0.11213	0.01534	0.161566	0.00046	-0.22083	1.44E-06	0.214037
-0.00719	0.87687	-0.12235	0.00813	0.0048	0.91761	-0.22216	1.24E-06	0.155308
0.052308	0.25926	0.044343	0.33899	0.200305	1.29E-05	0.038983	0.40063	0.238212
0.000562	0.99033	-0.05328	0.25046	-0.04385	0.34437	-0.12517	0.00676	0.087957
-0.08754	0.05871	-0.12092	0.00891	-0.13927	0.00256	-0.052	0.26208	0.064041
-0.058	0.21092	-0.113	0.01455	0.031356	0.49906	-0.0313	0.4998	0.144767
-0.02565	0.58028	-0.03894	0.40111	0.07224	0.119	-0.10078	0.02944	0.187399
-0.03012	0.51617	-0.17055	0.00021	-0.0734	0.11318	-0.13098	0.00458	0.004541
-0.08284	0.0737	-0.22425	9.80E-07	-0.0547	0.23808	-0.19975	1.37E-05	0.18323
-0.07639	0.09917	-0.11254	0.01497	-0.06847	0.13955	-0.15452	0.00081	0.069158
0.090433	0.05082	-0.08064	0.0817	0.137806	0.00284	-0.14296	0.00195	0.217183
0.003573	0.93862	-0.12845	0.00544	-0.01074	0.81701	-0.15891	0.00057	0.042059
-0.11086	0.01654	-0.19504	2.19E-05	-0.16273	0.00041	-0.13676	0.00306	0.157653
0.04216	0.36332	0.013425	0.77232	0.01623	0.72647	-0.01968	0.67144	0.063315
0.008163	0.86035	-0.10437	0.0241	0.05898	0.20328	-0.10476	0.02357	0.115483
-0.02112	0.6489	-0.15517	0.00077	-0.05561	0.23034	-0.18841	4.18E-05	0.049993
0.13547	0.00335	-0.03091	0.50525	0.217655	2.05E-06	0.031361	0.499	0.236532
-0.02368	0.60979	-0.1187	0.01025	-0.04435	0.33893	-0.04825	0.29816	0.179614
-0.05426	0.24185	-0.10418	0.02436	-0.13307	0.00397	-0.15118	0.00105	0.060486
0.010965	0.81318	-0.08014	0.08365	-0.02714	0.55847	-0.07548	0.10329	0.097512
-0.02131	0.64592	-0.07968	0.08543	-0.07364	0.112	-0.09989	0.0309	0.099452
-0.00949	0.83787	-0.16166	0.00045	0.09181	0.04738	-0.16117	0.00047	0.173424
-0.06344	0.17109	-0.1722	0.00018	-0.20381	9.03E-06	-0.08017	0.08352	0.188434
-0.05239	0.2585	-0.03485	0.4525	-0.09817	0.03394	-0.04993	0.28162	0.001629
0.013457	0.77178	-0.14522	0.00165	-0.0731	0.11466	-0.19278	2.74E-05	0.027113
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-0.00353	0.93928	-0.05397	0.24437	0.035666	0.44194	0.045487	0.32667	0.232153
-0.05284	0.25444	-0.0786	0.08976	0.024564	0.59646	-0.16681	0.00029	0.107703
0.017985	0.69827	-0.11911	0.00999	0.000493	0.99152	0.022163	0.63285	0.284661
0.021554	0.64222	0.069039	0.13629	0.051653	0.26529	0.01601	0.73005	0.010522
-0.04292	0.35478	-0.12297	0.00781	-0.03799	0.4128	-0.17924	9.84E-05	-0.02505
0.003679	0.9368	-0.00012	0.99797	-0.10293	0.02613	-0.0056	0.90385	0.044244
0.01805	0.69724	-0.06089	0.18901	-0.04984	0.28248	-0.06061	0.19108	-0.02901
-0.01659	0.72074	-0.09856	0.03322	0.119871	0.00952	-0.13931	0.00255	0.13106
-0.01007	0.82818	-0.08825	0.0567	0.059891	0.19637	-0.10164	0.02808	0.22553
-0.03324	0.47359	-0.20929	5.09E-06	-0.09929	0.03193	-0.15709	0.00066	0.179143
-0.05775	0.21292	-0.03648	0.43154	-0.13576	0.00329	0.029138	0.52992	0.017001
-0.08112	0.07992	-0.19341	2.57E-05	-0.29719	5.61E-11	-0.19386	2.46E-05	-0.06254
0.003643	0.93742	-0.15871	0.00058	0.045115	0.33064	-0.19881	1.50E-05	0.29957
-0.06546	0.15787	-0.17261	0.00018	-0.14943	0.0012	-0.16523	0.00034	0.106654
-0.07527	0.10428	-0.14414	0.00179	-0.01699	0.7142	0.002946	0.94938	0.16413

-0.04004	0.38796	-0.10593	0.02205	0.003458	0.94058	-0.13175	0.00434	0.142838
0.052701	0.2557	0.019207	0.67888	0.040811	0.37889	-0.04876	0.293	-0.03663
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-0.06128	0.18615	-0.06771	0.14404	-0.1018	0.02782	0.038571	0.40564	0.071244
0.027654	0.55109	-0.09687	0.03638	0.092089	0.04671	-0.17248	0.00018	0.181808
-0.09994	0.03082	-0.16289	0.00041	-0.1065	0.02135	-0.16618	0.00031	-0.15078
-0.0352	0.44798	-0.2156	2.58E-06	0.071502	0.12283	-0.20218	1.07E-05	0.162792
0.003227	0.94456	-0.13815	0.00277	0.026209	0.57211	-0.12866	0.00536	0.163891
-0.03974	0.39156	-0.15387	0.00085	-0.02046	0.65929	-0.13539	0.00337	0.175359
-0.05499	0.2356	-0.16927	0.00024	-0.02217	0.63267	-0.0895	0.05326	0.225224
-0.05943	0.19981	-0.09747	0.03523	-0.0328	0.47949	-0.10797	0.01961	0.085951
-0.02535	0.58473	-0.24	1.53E-07	-0.02513	0.58807	-0.22686	7.27E-07	0.20788
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-0.06836	0.14021	-0.26625	5.09E-09	-0.12977	0.00497	-0.25962	1.25E-08	0.095084
0.000986	0.98305	-0.17297	0.00017	-0.03806	0.41192	-0.06304	0.1738	0.261487
-0.11825	0.01054	-0.15598	0.00072	-0.17632	0.00013	-0.06865	0.13852	0.161025
-2.16E-05	0.99963	-0.06344	0.17112	-0.00055	0.99055	-0.07318	0.11427	0.212727
-0.13141	0.00445	-0.1798	9.34E-05	-0.25324	2.88E-08	-0.17024	0.00022	0.119171
-0.05102	0.27117	-0.13854	0.0027	0.051481	0.26689	-0.12464	0.007	0.078321
-0.04793	0.30134	-0.00079	0.9864	-0.0243	0.60047	0.019277	0.67778	0.101897
0.048405	0.29655	-0.02855	0.53824	0.026817	0.56322	-0.05617	0.22565	0.02391
-0.01073	0.81716	-0.19612	1.97E-05	-0.02051	0.65841	-0.14254	0.00202	0.155718
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-0.04184	0.36698	-0.05009	0.28005	-0.15874	0.00058	0.068884	0.13718	0.058183
-0.07044	0.1285	-0.10918	0.01827	-0.05043	0.27682	-0.08595	0.06346	0.000939
0.028259	0.54241	-0.20722	6.33E-06	0.013305	0.7743	-0.2055	7.57E-06	0.159546
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0.037959	0.41313	-0.06302	0.17394	0.039702	0.392	-0.01234	0.79031	0.171727
-0.06489	0.16152	-0.09543	0.03925	-0.03367	0.46796	-0.15234	0.00096	-0.01664
-0.02044	0.65954	-0.0789	0.08854	0.000164	0.99719	-0.02381	0.60785	0.118134
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-0.09653	0.03703	-0.16505	0.00034	-0.0615	0.18463	-0.17984	9.31E-05	-0.04577
-0.01566	0.73576	-0.13002	0.00489	-0.12772	0.00571	-0.04958	0.28492	0.217053
0.096116	0.03786	0.024707	0.59433	0.101856	0.02774	-0.06156	0.1842	0.029348
2.01E-05	0.99965	-0.1407	0.00231	0.00984	0.83205	-0.19684	1.83E-05	0.120952
0.000596	0.98976	-0.16157	0.00046	0.046238	0.31873	-0.11463	0.01319	0.236184
-0.04919	0.28876	-0.11344	0.01418	0.016533	0.72158	-0.05069	0.27433	0.139193
-0.02041	0.65999	-0.10184	0.02776	0.087723	0.05819	-0.17975	9.39E-05	0.156926
-0.08362	0.07102	-0.22521	8.78E-07	-0.04564	0.32508	-0.17392	0.00016	0.025533
-0.0339	0.46495	-0.24202	1.19E-07	-0.07711	0.09605	-0.2761	1.29E-09	-0.07115
-0.0684	0.13999	0.015734	0.73451	-0.01877	0.68584	0.029619	0.52315	0.019071
-0.00344	0.94093	-0.02148	0.64342	0.093176	0.04416	0.007262	0.87563	0.223497

-0.03895	0.40103	-0.1714	0.0002	-0.0194	0.67587	-0.20838	5.60E-06	0.134303
0.035164	0.4484	-0.13457	0.00357	0.093774	0.04282	-0.15777	0.00062	0.155591
0.005305	0.90898	-0.0575	0.21489	0.032503	0.48349	-0.12708	0.00596	0.177981
-0.02399	0.60509	-0.09084	0.04979	-0.02071	0.65535	-0.09976	0.03113	0.186158
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0.014444	0.75556	-0.13246	0.00414	0.079266	0.08707	-0.22156	1.33E-06	0.14974
-0.10819	0.01935	-0.24588	7.36E-08	-0.27548	1.41E-09	-0.25554	2.13E-08	0.032384
-0.03448	0.45732	-0.1105	0.01691	0.002449	0.95791	-0.10772	0.01989	0.164438
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p.MMligh	MMplum2	p.MMplur	MMgrey	p.MMgrey
0.00301	-0.07521	0.10452	0.177253	0.00012
0.12095	-0.07914	0.08757	0.12393	0.00733
0.34704	-0.08192	0.07697	0.188838	4.01E-05
0.18611	-0.08949	0.05328	-0.00023	0.99607
0.70893	-0.08495	0.06663	0.295729	7.03E-11
0.89621	-0.10259	0.02663	0.199843	1.35E-05
0.57991	-0.13038	0.00477	0.218959	1.78E-06
0.3154	-0.13427	0.00365	0.168868	0.00025
0.51718	-0.10376	0.02494	0.13524	0.00341
0.0266	0.010418	0.82234	0.328069	3.52E-13
0.8882	-0.06058	0.1913	0.136695	0.00308
0.21457	-0.0337	0.46757	0.219802	1.62E-06
0.7032	-0.03028	0.51386	0.342085	2.89E-14
0.4604	-0.09441	0.04142	0.018112	0.69625
0.34479	0.004622	0.92065	0.098593	0.03316
0.16591	0.000684	0.98824	0.181934	7.68E-05
0.23345	-0.07144	0.12315	0.16193	0.00044
0.87574	-0.10139	0.02846	0.1281	0.00557
0.84601	-0.09073	0.05006	0.213737	3.15E-06
0.93236	-0.05015	0.27947	0.101787	0.02785
0.19081	-0.07292	0.11556	0.354706	2.72E-15
0.17978	-0.06988	0.13158	0.288583	2.08E-10
0.3205	-0.16402	0.00037	0.161057	0.00048
0.25142	-0.16109	0.00047	0.158832	0.00057
0.31035	-0.13189	0.0043	0.117877	0.01079
0.0517	-0.18785	4.41E-05	0.1564	0.00069
0.91238	-0.03904	0.39997	0.091886	0.04719
0.5691	-0.1615	0.00046	0.310201	7.11E-12
0.3901	-0.09672	0.03666	0.275314	1.44E-09
0.72567	0.031666	0.49483	0.086751	0.06104
0.04326	-0.07622	0.09994	0.062087	0.18044
0.59711	-0.12612	0.00635	0.183956	6.37E-05
0.2401	-0.10676	0.02102	0.130268	0.00481
0.51182	0.026344	0.57012	0.049476	0.28599
0.43342	-0.16495	0.00034	0.122398	0.0081
0.00136	-0.11508	0.01283	0.05066	0.2746
0.30259	-0.13389	0.00375	0.141932	0.00211
0.33226	0.045205	0.32967	0.038276	0.40923
0.07971	-0.06755	0.145	-0.03469	0.45455
0.56416	-0.17632	0.00013	0.118615	0.0103
0.15956	-0.0918	0.0474	0.061035	0.18795
0.6769	-0.0882	0.05684	0.233711	3.26E-07
7.53E-08	0.002833	0.95131	0.220428	1.51E-06
2.67E-14	0.08097	0.08047	0.238099	1.92E-07

0.05422	-0.07096	0.12571	-0.31876	1.73E-12
0.00407	-0.14924	0.00122	-0.071	0.12548
0.34724	-0.11673	0.01159	0.11827	0.01053
0.38092	-0.13593	0.00325	-0.00264	0.95461
0.87813	-0.15821	0.0006	3.79E-05	0.99935
0.37344	-0.04984	0.28244	-0.18089	8.45E-05
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0.24769	-0.0552	0.23383	-0.12765	0.00574
0.53593	-0.14404	0.0018	-0.07634	0.09943
0.74689	-0.12622	0.00631	-0.22186	1.28E-06
0.07375	-0.09792	0.03438	0.01407	0.7617
0.53812	-0.13064	0.00469	-0.22789	6.45E-07
2.32E-12	-0.05639	0.22389	0.223506	1.07E-06
0.09732	-0.04393	0.3435	-0.36246	6.04E-16
1.47E-43	0.256009	2.01E-08	0.236331	2.38E-07
0.82708	-0.08665	0.06133	-0.30815	9.92E-12
0.05395	-0.12148	0.00859	-0.00619	0.89384
3.28E-08	-0.19152	3.10E-05	0.359056	1.18E-15
0.59734	-0.14749	0.00139	0.031935	0.49117
0.58306	0.030324	0.5133	0.273349	1.90E-09
2.99E-08	-0.09451	0.0412	0.169922	0.00023
0.36517	-0.00582	0.90024	-0.3479	9.85E-15
0.45909	-0.15847	0.00059	-0.04282	0.35585
0.94655	0.081432	0.07875	0.121922	0.00835
6.38E-06	-0.12631	0.00627	0.504614	1.54E-31
0.70743	-0.23173	4.12E-07	0.273335	1.90E-09
0.30544	-0.1056	0.02247	-0.15452	0.00081
0.03407	-0.0656	0.15694	-0.00702	0.87981
0.18685	-0.2662	5.13E-09	0.270947	2.66E-09
0.23049	-0.19574	2.05E-05	0.019786	0.66977
0.09364	-0.10061	0.02971	0.326118	4.93E-13
0.09665	-0.17926	9.82E-05	-0.10788	0.0197
0.00041	-0.14029	0.00238	0.238836	1.76E-07
4.17E-05	0.018326	0.69284	0.091853	0.04727
0.29632	-0.16895	0.00024	0.02288	0.62189
0.00538	-0.19227	2.88E-05	0.021063	0.64982
0.07036	-0.06886	0.1373	-0.06536	0.15852
0.00049	-0.11554	0.01247	-0.01746	0.70669
4.95E-07	-0.11429	0.01346	0.270478	2.84E-09
0.91605	0.022235	0.63175	-0.23231	3.85E-07
0.00907	-0.13025	0.00482	0.009415	0.8392
0.37605	-0.14919	0.00122	0.178309	0.00011
0.13115	-0.11399	0.01371	-0.07751	0.09432
0.10393	-0.15412	0.00083	0.204468	8.43E-06
0.11569	-0.21556	2.59E-06	0.173311	0.00017

0.08977	-0.08154	0.07834	0.095541	0.03903
0.64551	-0.08869	0.05547	-0.05869	0.20549
1.27E-08	-0.11278	0.01475	0.278312	9.38E-10
0.00024	-0.10948	0.01795	0.169102	0.00024
5.06E-05	-0.02642	0.56894	-0.21946	1.68E-06
0.00845	-0.16591	0.00032	0.077242	0.09547
0.00274	-0.09599	0.03811	0.065842	0.15544
2.62E-09	0.147611	0.00138	0.051839	0.26357
0.00082	-0.15428	0.00082	0.2325	3.76E-07
0.02415	-0.20936	5.05E-06	0.246313	6.97E-08
0.81835	0.063796	0.16871	-0.05327	0.25063
9.00E-11	-0.01447	0.75517	0.182648	7.19E-05
0.06062	-0.11045	0.01695	0.079338	0.08678
0.14966	-0.16725	0.00028	0.004168	0.92842
0.00092	0.02375	0.60869	0.29608	6.66E-11
0.52543	-0.12002	0.00943	0.03818	0.41041
4.14E-05	-0.04934	0.28735	0.073849	0.11098
0.37361	-0.13809	0.00278	0.094998	0.04016
0.03684	-0.10993	0.01748	0.068701	0.13823
3.86E-06	-0.08096	0.08049	0.514181	7.09E-33
0.01383	-0.04628	0.31825	0.219104	1.75E-06
0.00095	-0.25718	1.72E-08	0.03055	0.51017
0.01156	0.14662	0.00149	-0.02184	0.63781
5.79E-06	-0.14977	0.00117	0.159068	0.00056
0.01217	-0.12989	0.00493	-0.13445	0.0036
0.05245	-0.08568	0.0643	0.304213	1.86E-11
0.81561	0.035637	0.44231	-0.26345	7.46E-09
0.0804	-0.21256	3.58E-06	-0.0359	0.43895
0.05533	-0.15594	0.00072	0.103396	0.02546
0.00633	0.04801	0.30051	0.066843	0.14924
0.14349	-0.0365	0.43131	-0.05405	0.24368
0.18266	-0.03525	0.44732	0.147957	0.00134
0.41598	0.05439	0.24076	0.113782	0.01388
0.10681	-0.00521	0.91068	0.197087	1.79E-05
4.78E-05	-0.06674	0.14987	0.051959	0.26246
0.58561	0.004875	0.91633	0.069211	0.13532
0.29605	-0.05303	0.25277	0.045232	0.32939
0.09003	0.005238	0.91011	0.427893	3.26E-22
0.23944	0.105898	0.02209	0.183738	6.50E-05
0.01425	0.142446	0.00203	-0.10554	0.02255
0.01112	-0.03833	0.40862	0.148862	0.00125
0.83126	-0.0646	0.16342	-0.05798	0.21109
0.01291	-0.19772	1.68E-05	0.147571	0.00138
0.42295	-0.16644	0.0003	-0.07086	0.12625
0.00312	-0.19431	2.36E-05	0.055806	0.22871



0.04664	0.116933	0.01144	0.124412	0.00711
0.00581	-0.13437	0.00362	-0.0567	0.22135
0.00259	0.102583	0.02664	0.03503	0.45012
0.02646	0.021059	0.64988	0.077679	0.0936
2.09E-08	-0.02458	0.59617	-0.31046	6.82E-12
0.02628	0.037754	0.41566	0.347012	1.16E-14
0.00069	0.085741	0.06412	-0.07162	0.1222
0.00836	-0.19027	3.49E-05	0.264338	6.61E-09
0.02297	-0.07849	0.0902	0.369402	1.52E-16
0.23886	-0.19441	2.33E-05	-0.16892	0.00025
3.34E-07	-0.13166	0.00437	0.078141	0.09166
0.04967	0.075634	0.10259	0.172763	0.00018
1.94E-05	0.065966	0.15466	-0.16897	0.00024
1.14E-05	-0.1295	0.00506	0.032251	0.48689
0.43736	-0.13316	0.00394	0.010041	0.82866
0.00018	-0.2275	6.75E-07	0.240105	1.51E-07
0.00163	-0.05625	0.22505	0.123381	0.0076
1.78E-05	0.012951	0.78015	-0.15824	0.0006
4.61E-07	0.018393	0.69178	0.136982	0.00301
0.5576	0.016017	0.72992	0.089016	0.05457
0.03998	-0.12942	0.00509	-0.0357	0.44153
0.51842	-0.11041	0.01699	-0.04826	0.29804
0.02651	-0.04157	0.3701	0.174409	0.00015
0.13066	0.0097	0.83439	0.277661	1.03E-09
0.0002	-0.32621	4.86E-13	-0.0287	0.53617
0.0027	0.026847	0.56278	-0.04544	0.32713
2.74E-12	0.066278	0.15271	0.281502	5.92E-10
0.02822	-0.06093	0.18868	-0.14574	0.00159
0.6548	0.017722	0.70248	-0.03739	0.42013
0.27874	-0.04985	0.28232	-0.17192	0.00019
0.05504	0.26482	6.19E-09	-0.16048	0.0005
5.54E-05	-0.12137	0.00865	0.319752	1.46E-12
0.9794	-0.01195	0.79673	-0.20109	1.19E-05
0.11424	-0.07612	0.10041	-0.27594	1.32E-09
0.76318	-0.10703	0.0207	-0.00768	0.8686
0.29257	-0.05439	0.24072	-0.07696	0.09668
0.59827	0.044945	0.33247	0.092649	0.04538
0.00059	-0.17804	0.00011	0.123804	0.00739
0.01415	-0.07305	0.1149	-0.18079	8.54E-05
0.00567	-0.06274	0.17588	-0.21754	2.08E-06
0.00095	-0.13609	0.00321	0.198924	1.49E-05
0.1108	-0.03233	0.48582	0.032612	0.48203
0.55341	-0.08889	0.05491	-0.08051	0.08223
0.16139	-0.09418	0.04191	-0.00324	0.94431
0.00098	-0.12943	0.00509	-0.01857	0.68904

0.18612	-0.14509	0.00167	0.247745	5.82E-08
3.96E-06	0.017532	0.70552	0.38395	7.49E-18
0.0005	0.10413	0.02443	-0.21068	4.38E-06
0.15494	-0.18778	4.44E-05	0.12286	0.00786
0.94101	-0.0506	0.27516	0.137336	0.00294
0.01523	-0.12832	0.00549	0.112441	0.01505
0.66667	-0.06877	0.13785	-0.19274	2.75E-05
0.10287	-0.0195	0.67429	0.067754	0.14376
0.01239	-0.26802	3.99E-09	0.243064	1.05E-07
1.53E-07	-0.11777	0.01086	0.479973	2.78E-28
1.51E-10	0.155006	0.00078	-0.03205	0.48967
2.49E-05	-0.10158	0.02816	0.316026	2.73E-12
0.17215	-0.25127	3.71E-08	-0.10668	0.02112
0.46981	0.046558	0.31539	0.376744	3.39E-17
0.1156	-0.16499	0.00034	0.014925	0.74769
0.0109	-0.21836	1.90E-06	0.006835	0.88289
0.09546	-0.03762	0.41734	-0.06824	0.1409
0.07893	-0.07517	0.1047	-0.23262	3.71E-07
0.43289	0.071139	0.12475	-0.24047	1.44E-07
0.00202	-0.06109	0.18758	-0.06784	0.14324
0.14502	-0.00464	0.92035	0.112353	0.01513
0.44227	-0.18379	6.47E-05	0.243139	1.04E-07
0.07034	-0.23653	2.32E-07	-0.09395	0.04242
0.0473	-0.1649	0.00035	-0.00615	0.89453
0.4878	-0.16662	0.0003	-0.15338	0.00088
0.00137	0.051263	0.26892	-0.25538	2.18E-08
0.00049	0.057541	0.21454	-0.09867	0.03303
0.63151	-0.04014	0.3868	-0.07671	0.09776
0.01716	0.073484	0.11277	-0.24637	6.92E-08
0.03858	-0.11295	0.0146	-0.10783	0.01976
0.93854	-0.06438	0.16481	-0.07779	0.09312
0.00066	0.01079	0.81611	-0.23329	3.42E-07
2.47E-05	-0.08993	0.05213	0.268748	3.61E-09
4.66E-06	-0.08523	0.06572	0.367476	2.23E-16
0.75303	0.017491	0.70617	0.202938	9.88E-06
0.00313	-0.07213	0.11955	0.176869	0.00012
0.1142	-0.06989	0.13154	-0.1104	0.01701
4.07E-07	-0.00367	0.937	0.08557	0.06466
0.72901	-0.14599	0.00156	-0.25731	1.69E-08
0.00268	-0.1009	0.02925	0.291904	1.26E-10
0.14323	-0.06282	0.17532	0.150119	0.00114
1.81E-19	0.384761	6.31E-18	-0.10436	0.02412
0.11249	-0.18144	8.04E-05	0.14087	0.00228
1.20E-06	-0.11341	0.0142	0.351092	5.41E-15
0.81531	0.03852	0.40626	-0.03658	0.43037

0.00275	-0.0404	0.38367	0.064864	0.16168
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8.55E-06	-0.04579	0.32347	0.008787	0.84979
3.81E-07	-0.06577	0.15591	0.070201	0.12981
0.00032	-0.10531	0.02284	0.121925	0.00835
0.00745	-0.07402	0.11016	0.275084	1.49E-09
0.00167	-0.08045	0.08243	-0.09121	0.04885
0.03153	-0.18642	5.05E-05	-0.01812	0.69615
0.09729	-0.22679	7.33E-07	0.21143	4.05E-06
0.0004	-0.06274	0.17588	-0.09728	0.03559
0.03092	-0.16427	0.00036	0.036059	0.43692
0.15509	-0.17552	0.00014	0.050264	0.27837
0.35041	-0.04727	0.30805	-0.06877	0.13781
0.18757	0.037882	0.41408	0.182243	7.46E-05
0.30615	-0.05379	0.24596	-0.0172	0.71086
0.279	-0.22291	1.14E-06	0.051283	0.26873
0.18169	-0.25037	4.17E-08	0.029113	0.53028
0.00899	-0.15048	0.00111	-0.00586	0.89957
0.04263	-0.11112	0.01629	-0.18886	4.00E-05
0.05874	0.020266	0.66225	0.065215	0.15942
0.40813	-0.12864	0.00537	0.031303	0.49979
3.08E-05	-0.20695	6.51E-06	0.152579	0.00094
0.17028	-0.07656	0.09846	0.202955	9.86E-06
0.00052	0.096019	0.03806	0.007437	0.87266
0.04375	-0.18053	8.74E-05	0.095396	0.03933
0.01173	0.131751	0.00434	-0.27133	2.52E-09
0.19812	0.122479	0.00806	-0.07249	0.11775
0.04248	-0.18429	6.17E-05	0.243984	9.33E-08
0.74422	-0.1151	0.01281	-0.02064	0.65647
0.09122	-0.08395	0.06992	-0.06889	0.13715
0.3127	-0.17386	0.00016	-0.18378	6.47E-05
0.01584	-0.21807	1.96E-06	0.106443	0.02141
0.2176	-0.18046	8.80E-05	-0.09824	0.03379
8.16E-05	-0.06916	0.13559	0.271263	2.55E-09
0.39395	-0.13742	0.00292	-0.16749	0.00028
3.91E-09	-0.22921	5.53E-07	-0.25672	1.83E-08
1.35E-05	-0.00659	0.88712	0.053084	0.25225
0.33593	-0.06249	0.17759	-0.38858	2.78E-18
0.04344	-0.02522	0.58673	-0.4175	4.01E-21
0.20535	-0.20116	1.18E-05	0.190226	3.51E-05
1.67E-07	-0.02983	0.52013	0.271692	2.40E-09
0.03626	-0.20897	5.26E-06	-0.07778	0.09318
6.00E-05	-0.16235	0.00043	0.129638	0.00502
0.68299	-0.19831	1.58E-05	0.001392	0.97607
0.30814	-0.13293	0.00401	-0.01895	0.68302

0.03267	-0.12069	0.00904	0.171181	0.0002
0.9116	-0.09206	0.04679	-0.08211	0.0763
0.77134	-0.07979	0.08499	-0.18299	6.96E-05
0.11751	0.047913	0.3015	-0.1546	0.0008
0.08787	-0.03357	0.46925	-0.17428	0.00015
0.01233	-0.16112	0.00047	-0.16982	0.00023
0.21805	-0.17977	9.37E-05	0.144464	0.00175
0.01585	-0.21701	2.20E-06	-0.20438	8.51E-06
0.03383	-0.28213	5.40E-10	-0.04578	0.32351
0.51012	0.157436	0.00064	-0.18272	7.14E-05
2.41E-05	-0.1309	0.00461	0.064811	0.16202
0.00315	0.154095	0.00083	0.045292	0.32875
0.94186	0.128536	0.00541	0.116867	0.01149
0.042	-0.13039	0.00477	0.029656	0.52264
0.00076	0.065735	0.15611	0.089227	0.05399
0.00033	0.165298	0.00033	-0.18285	7.06E-05
0.27127	-0.21356	3.21E-06	0.25069	4.00E-08
0.08133	-0.15866	0.00058	-0.01951	0.67406
1.09E-09	-0.11247	0.01503	0.160807	0.00049
0.15165	-0.23544	2.65E-07	-0.01771	0.70272
0.31578	-0.20548	7.59E-06	0.17185	0.00019
0.00337	-0.00893	0.84736	-0.01152	0.80391
0.19158	-0.04589	0.3224	-0.27068	2.76E-09
0.02648	-0.03667	0.42919	-0.00761	0.8698
0.00648	-0.15663	0.00068	0.020195	0.66335
1.57E-09	-0.12574	0.00651	0.137628	0.00288
9.09E-07	0.351796	4.73E-15	0.189791	3.66E-05
0.47941	-0.03546	0.44458	0.042887	0.3551
3.97E-05	0.05903	0.2029	-0.12687	0.00604
0.45739	-0.06095	0.18855	-0.22324	1.10E-06
0.00401	-0.11457	0.01323	0.192444	2.83E-05
0.0002	0.090943	0.04952	0.007676	0.8686
0.10628	0.030367	0.51271	0.156465	0.00069
0.0094	-0.05493	0.23612	0.192244	2.88E-05
0.00374	-0.19699	1.81E-05	0.180783	8.54E-05
0.83837	-0.21838	1.90E-06	-0.05981	0.19699
0.04369	-0.07134	0.12367	-0.20429	8.59E-06
0.00962	0.003117	0.94644	0.376256	3.75E-17
0.95194	-0.05256	0.25694	-0.22824	6.20E-07
0.03996	-0.11893	0.0101	-0.3496	7.16E-15
0.20831	-0.15702	0.00066	-0.13538	0.00338
0.00527	0.070142	0.13013	-0.03562	0.44253
2.19E-05	0.03189	0.49178	0.02499	0.59011
0.0968	-0.02511	0.58825	-0.15097	0.00107
1.23E-15	0.23266	3.69E-07	0.110628	0.01677

0.00315	-0.14045	0.00235	0.156507	0.00069
0.02576	-0.06312	0.17328	-0.03057	0.50995
0.09485	0.011204	0.80919	0.206932	6.52E-06
0.61152	-0.07188	0.12086	0.021163	0.64828
0.61364	-0.16684	0.00029	0.091243	0.04877
0.3472	-0.23821	1.90E-07	0.156789	0.00067
0.04882	-0.173	0.00017	0.162729	0.00041
0.04072	-0.14663	0.00149	0.062204	0.17962
0.01374	-0.18068	8.62E-05	0.009386	0.83969
5.13E-13	-0.00642	0.88989	0.182419	7.34E-05
0.27528	-0.0924	0.04596	0.090307	0.05114
6.45E-05	-0.11644	0.0118	0.140969	0.00226
4.18E-06	-0.07873	0.08924	0.028445	0.53975
3.12E-05	-0.1332	0.00393	-0.19732	1.75E-05
0.003	-0.03063	0.50906	0.11267	0.01485
0.00252	-0.02683	0.56308	0.04477	0.33436
0.90925	-0.17931	9.77E-05	-0.1067	0.0211
0.489	-0.2563	1.93E-08	0.116713	0.0116
0.00147	-0.06414	0.1664	0.111387	0.01603
0.63009	-0.1448	0.0017	-0.0411	0.37556
0.0989	-0.31658	2.49E-12	0.069332	0.13464
0.02367	-0.00042	0.99277	-0.1944	2.34E-05
0.229	-0.28186	5.62E-10	-0.01692	0.71527
0.00602	-0.23341	3.37E-07	0.161284	0.00047
0.01278	-0.14033	0.00237	0.137874	0.00283
0.00021	-0.05242	0.25823	-0.4766	7.40E-28
8.16E-05	-0.19563	2.07E-05	0.254429	2.47E-08
4.31E-06	-0.12909	0.00521	0.513167	9.88E-33
0.04504	-0.03864	0.40477	-0.04197	0.36547
3.77E-05	-0.10535	0.02279	0.240345	1.46E-07
0.33105	-0.17122	0.0002	-0.1195	0.00974
0.09463	-0.16536	0.00033	0.066875	0.14904
0.33182	-0.17126	0.0002	0.026472	0.56825
0.52468	0.087582	0.05859	0.051063	0.27079
9.65E-05	-0.09321	0.04408	0.261506	9.68E-09
0.02312	-0.23299	3.55E-07	0.115253	0.01269
0.22304	-0.03822	0.40997	-0.20581	7.34E-06
5.86E-05	0.068446	0.1397	0.197462	1.72E-05
0.53589	0.010897	0.81431	-0.27775	1.02E-09
0.94562	0.002535	0.95643	0.16632	0.00031
0.80924	-0.09454	0.04113	-0.18196	7.66E-05
4.06E-07	0.006895	0.88186	-0.15357	0.00087
0.0015	-0.08131	0.0792	0.200563	1.26E-05
0.0002	-0.09467	0.04086	0.107345	0.02033
0.24598	-0.16188	0.00044	-0.14396	0.00182

8.23E-09	0.027287	0.55639	0.2466	6.72E-08
0.10389	-0.19501	2.20E-05	-0.3193	1.58E-12
0.18518	-0.14908	0.00123	0.076644	0.09807
0.80464	0.165578	0.00033	-0.23054	4.74E-07
2.76E-07	0.0354	0.44535	-0.0206	0.657
0.0009	-0.05256	0.25701	-0.18649	5.02E-05
0.57281	0.009702	0.83436	-0.21105	4.21E-06
0.66336	-0.11285	0.01469	-0.00886	0.84855
0.01432	-0.05254	0.25716	0.044965	0.33225
0.0268	-0.14482	0.0017	0.066839	0.14926
0.03831	-0.13002	0.00489	0.263475	7.43E-09
0.84387	0.02578	0.5784	-0.03644	0.43205
0.63858	0.134952	0.00348	-0.10143	0.0284
4.82E-07	0.011662	0.80155	0.093724	0.04293
2.45E-06	-0.20892	5.29E-06	-0.17851	0.00011
0.00068	0.044471	0.3376	-0.09925	0.032
0.45575	-0.19626	1.94E-05	0.116687	0.01162
0.45459	-0.08327	0.07221	0.00574	0.90154
0.99361	-0.0621	0.18033	-0.02407	0.60387
0.86995	-0.22037	1.52E-06	-0.00035	0.99391
0.54808	-0.17795	0.00011	-0.11656	0.01171
1.43E-05	0.018266	0.6938	0.259197	1.32E-08
4.60E-05	0.00484	0.91693	0.115356	0.01261
0.22871	-0.08549	0.06492	0.223354	1.09E-06
0.0003	-0.01663	0.71997	0.134209	0.00366
0.00611	0.07585	0.10161	-0.16414	0.00037
0.03496	0.100908	0.02923	-0.19047	3.43E-05
0.0081	-0.17144	0.0002	0.075597	0.10276
4.37E-05	-0.11293	0.01462	-0.03513	0.44886
6.79E-06	0.032529	0.48315	0.189997	3.59E-05
0.08267	-0.12295	0.00781	0.122187	0.00821
0.00016	-0.09651	0.03709	-0.03933	0.39639
0.00041	-0.02511	0.58829	0.102738	0.02641
0.0033	0.048189	0.29872	0.301682	2.78E-11
0.00141	-0.06191	0.18171	-0.07564	0.10255
3.87E-05	0.037809	0.41498	-0.0854	0.0652
0.78016	0.111179	0.01623	0.156038	0.00072
0.39596	0.010205	0.82591	-0.09616	0.03778
0.01184	-0.16378	0.00038	0.098576	0.03319
0.21452	0.019264	0.67798	-0.00039	0.99326
0.59808	0.028612	0.53737	0.091698	0.04765
0.00011	0.092594	0.04551	-0.20897	5.26E-06
0.25293	-0.16351	0.00039	0.316615	2.47E-12
1.06E-07	0.046196	0.31918	0.018426	0.69125
0.09642	0.029561	0.52396	0.154522	0.00081

4.04E-07	-0.01918	0.67938	0.121396	0.00864
0.00073	-0.17372	0.00016	0.128294	0.00549
0.49236	-0.09853	0.03329	-0.13484	0.00351
0.00069	0.007858	0.86551	0.188915	3.98E-05
0.99473	-0.26105	1.03E-08	0.272765	2.06E-09
0.71095	0.048694	0.29368	-0.13949	0.00252
0.02958	0.027121	0.55879	0.065851	0.15538
0.24215	-0.01052	0.82069	-0.38839	2.91E-18
0.99799	-0.00829	0.85827	-0.26925	3.37E-09
0.05043	0.003106	0.94663	-0.00185	0.96818
0.20406	-0.01404	0.76225	-0.15062	0.00109
0.05055	-0.14504	0.00167	-0.13442	0.00361
0.01407	-0.04799	0.30077	-0.01742	0.70728
0.00077	-0.06346	0.17097	0.119039	0.01003
0.00705	-0.03096	0.5045	-0.15617	0.00071
3.59E-06	-0.10975	0.01767	0.170989	0.00021
0.25287	-0.1476	0.00138	-0.23627	2.40E-07
0.05046	-0.09835	0.0336	-0.23224	3.88E-07
0.00075	-0.0386	0.40533	-0.10246	0.02682
0.00866	0.044405	0.33831	-0.1207	0.00903
3.69E-05	-0.00564	0.9033	-0.09888	0.03266
0.19095	-0.01067	0.81813	0.047369	0.30703
0.01959	-0.04744	0.30629	0.184793	5.89E-05
0.0019	0.048728	0.29334	-0.1519	0.00099
3.19E-06	0.082132	0.07621	0.299768	3.76E-11
0.98796	-0.07959	0.08578	-0.1684	0.00026
2.48E-05	0.180088	9.10E-05	-0.25799	1.55E-08
0.64395	-0.1302	0.00483	0.117877	0.01079
0.00043	-0.06505	0.16049	-0.02285	0.6223
0.18878	-0.15362	0.00087	0.046811	0.31276
0.15462	0.014912	0.74791	-0.04751	0.30556
0.00013	0.199164	1.45E-05	-0.29893	4.28E-11
4.24E-05	0.03639	0.43272	0.124809	0.00692
0.05269	-0.14704	0.00144	0.148356	0.0013
6.51E-05	-0.05479	0.23731	0.115618	0.01241
0.06109	-0.06809	0.14176	0.314047	3.79E-12
0.67686	0.129751	0.00498	0.187678	4.48E-05
0.65639	-0.06133	0.18586	-0.12643	0.00622
5.70E-05	-0.12276	0.00791	0.194451	2.32E-05
0.01692	-0.12963	0.00502	-0.08281	0.07382
0.39472	-0.03188	0.49197	-0.29331	1.02E-10
4.55E-13	-0.10543	0.02268	0.229834	5.15E-07
8.04E-05	-0.17985	9.30E-05	0.098407	0.0335
0.00028	-0.13869	0.00267	-0.24415	9.14E-08
0.01854	0.010995	0.81268	0.154728	0.00079

7.47E-05	-0.06282	0.17533	-0.08892	0.05484
0.67166	0.143983	0.00181	-0.16134	0.00046
0.9815	0.084462	0.06821	0.080539	0.0821
0.00467	-0.04928	0.28789	-0.12497	0.00685
1.55E-20	0.47809	4.81E-28	0.328971	3.01E-13
0.41208	0.11491	0.01296	0.207822	5.94E-06
0.00038	-0.07051	0.1281	0.199495	1.40E-05
0.00041	0.060957	0.18851	-0.16101	0.00048
0.31504	-0.0461	0.32019	0.236279	2.40E-07
0.00414	-0.16377	0.00038	0.208154	5.73E-06
4.25E-08	0.096786	0.03654	-0.13541	0.00337
6.02E-09	0.023188	0.61719	-0.03266	0.48139
0.28608	-0.09314	0.04424	-0.21739	2.12E-06
0.03695	-0.06826	0.14078	0.133808	0.00377
0.81438	-0.0794	0.08654	0.067946	0.14262
0.98944	-0.04816	0.29902	0.003454	0.94066
0.00781	-0.16823	0.00026	-0.01661	0.72027
5.22E-05	0.009587	0.83631	-0.09603	0.03804
0.22504	0.000908	0.98439	0.31326	4.31E-12
0.05368	-0.20039	1.28E-05	-0.17657	0.00013
0.05016	0.1853	5.61E-05	0.131852	0.00431
0.00552	0.004784	0.91787	-0.09915	0.03218
0.22554	-0.03589	0.43905	0.049379	0.28693
0.7668	-0.17195	0.00019	0.228997	5.67E-07
0.23071	-0.10331	0.02558	-0.04498	0.33204
0.00114	-0.08391	0.07003	0.459166	9.87E-26
4.48E-08	0.004583	0.92131	0.485854	4.90E-29
0.0005	-0.0496	0.2848	0.021488	0.64324
0.80906	-0.19545	2.11E-05	0.208491	5.53E-06
0.00152	-0.05464	0.23862	0.152249	0.00096
0.00421	-0.17095	0.00021	-0.10952	0.01791
0.05566	-0.11412	0.0136	-0.06969	0.13263
0.1738	-0.12469	0.00698	-0.07675	0.09758
0.74127	0.095799	0.0385	0.168664	0.00025
0.0041	-0.07325	0.11393	0.275125	1.48E-09
0.10008	-0.01422	0.75928	0.007641	0.86919
0.00022	0.066983	0.14839	0.227748	6.56E-07
0.62452	-0.05156	0.26611	-0.2199	1.60E-06
0.82922	-0.04925	0.28819	-0.07429	0.10885
0.00276	0.031258	0.5004	-0.04449	0.33737
0.00037	0.083876	0.07016	0.118409	0.01044
0.03181	-0.02519	0.58717	0.092719	0.04522
5.00E-12	-0.09817	0.03393	0.282604	5.04E-10
8.20E-08	-0.01927	0.67786	0.100763	0.02946
0.0032	-0.09422	0.04183	-0.22086	1.44E-06



0.01178	-0.06166	0.18347	-0.19126	3.17E-05
0.03022	-0.16608	0.00031	0.010137	0.82705
0.01429	-0.01664	0.71981	-0.06212	0.18019
1.15E-10	-0.07034	0.12905	0.448353	1.79E-24
0.00685	-0.22254	1.19E-06	0.057048	0.2185
0.00113	0.027928	0.54715	-0.02931	0.52749
5.68E-05	0.017846	0.7005	-0.06858	0.13892
0.35131	-0.01811	0.69634	0.00762	0.86955
0.01405	-0.06959	0.13319	0.282555	5.07E-10
1.71E-08	-0.05718	0.21742	0.443646	6.11E-24
0.32432	0.2328	3.63E-07	-0.02681	0.56338
1.04E-06	-0.07485	0.1062	0.096888	0.03634
1.56E-05	0.032525	0.48319	0.148016	0.00134
1.36E-05	-0.14148	0.00218	0.113651	0.01399
0.61652	-0.11868	0.01026	0.095189	0.03976
0.16328	-0.20768	6.03E-06	-0.06672	0.15002
0.66167	-0.15613	0.00071	-0.0935	0.04342
0.01501	-0.0998	0.03106	-0.02694	0.56145
0.00261	-0.06051	0.19176	0.237972	1.95E-07
0.00856	-0.07583	0.1017	0.230162	4.95E-07
0.01054	-0.11808	0.01065	-0.0343	0.45957
7.48E-06	-0.01874	0.68633	-0.13808	0.00279
0.00135	0.059441	0.19977	0.007129	0.87789
0.00307	-0.06872	0.1381	0.33946	4.66E-14
1.92E-05	-0.11157	0.01586	0.307634	1.08E-11
0.09873	-0.12639	0.00624	-0.01152	0.80389
1.89E-09	0.07454	0.10767	0.117697	0.01091
0.01962	-0.14642	0.00151	0.299227	4.09E-11
0.02091	-0.03977	0.39123	0.034548	0.45639
3.06E-07	0.02868	0.53642	-0.01253	0.78706
0.15801	-0.16158	0.00046	0.019307	0.6773
0.2786	-0.05049	0.2762	-0.2539	2.64E-08
0.89814	0.279626	7.76E-10	-0.0684	0.13995
0.07503	-0.14461	0.00173	0.115385	0.01259
1.90E-09	0.04868	0.29381	-0.42095	1.76E-21
2.40E-07	0.084268	0.06885	0.091517	0.04809
0.016	-0.13057	0.00471	-0.05252	0.25735
0.16236	-0.0908	0.04987	-0.11178	0.01566
0.24057	-0.17411	0.00016	0.189637	3.71E-05
0.01455	-0.16856	0.00025	0.008265	0.85861
0.17073	0.073061	0.11486	0.119887	0.00951
0.00075	-0.19166	3.05E-05	0.141417	0.00219
0.55133	-0.28573	3.18E-10	0.014197	0.75961
0.1735	-0.10685	0.02092	0.262227	8.79E-09
6.09E-07	0.105756	0.02227	0.010475	0.82138

0.00366	0.271607	2.43E-09	0.071658	0.12201
1.19E-08	0.035759	0.44074	0.286205	2.96E-10
7.40E-14	0.172907	0.00017	0.126602	0.00615
0.71835	0.107036	0.02069	0.265824	5.40E-09
3.68E-05	0.323899	7.23E-13	-0.01295	0.78013
0.09823	-0.07943	0.08641	-0.09415	0.04199
0.00816	-0.11523	0.01271	0.044321	0.33923
0.00015	-0.13124	0.0045	0.141534	0.00217
1.73E-06	-0.19308	2.66E-05	0.303911	1.96E-11
0.36309	-0.14436	0.00176	-0.00986	0.83179
0.5045	0.235074	2.77E-07	-0.26074	1.07E-08
0.01337	-0.01553	0.73787	0.010355	0.8234
0.03965	-0.02302	0.61977	0.043964	0.34314
0.00016	-0.08332	0.07203	0.161122	0.00047
0.11774	-0.12382	0.00739	-0.34103	3.50E-14
3.26E-05	0.06593	0.15489	0.419305	2.61E-21
0.01009	0.124572	0.00703	0.26697	4.61E-09
0.00021	-0.1399	0.00244	-0.37377	6.25E-17
0.00308	-0.12861	0.00538	0.47887	3.83E-28
0.14695	0.119056	0.01002	0.250141	4.29E-08
0.02777	0.026534	0.56734	0.170593	0.00021
0.54293	-0.01436	0.75687	0.36622	2.87E-16
0.15966	-0.29073	1.51E-10	0.098434	0.03345
6.22E-08	-0.02842	0.54018	0.201068	1.20E-05
0.72652	-0.03195	0.491	-0.27068	2.76E-09
0.44532	0.059583	0.19869	0.220594	1.48E-06
0.0001	-0.09244	0.04587	-0.4385	2.29E-23
0.09177	-0.01622	0.72671	-0.26075	1.07E-08
0.28326	-0.15782	0.00062	-0.19673	1.85E-05
0.15528	0.009624	0.83569	-0.35837	1.34E-15
0.04926	0.005364	0.90797	-0.1023	0.02707
1.56E-12	-0.1206	0.00909	-0.22314	1.11E-06
0.02333	-0.19459	2.29E-05	0.01599	0.73036
0.00421	-0.18752	4.55E-05	0.068243	0.14088
2.99E-06	-0.06653	0.15117	0.314114	3.75E-12
0.40613	-0.15179	0.001	-0.01902	0.68177
0.03252	-0.03768	0.41663	-0.03838	0.40798
0.44916	-0.0381	0.41134	-0.02461	0.59578
0.0979	-0.04198	0.36537	-0.01835	0.69241
3.78E-05	-0.18348	6.66E-05	-0.29591	6.83E-11
2.71E-06	-0.22955	5.32E-07	-0.16316	0.0004
0.51849	-0.11107	0.01634	-0.16645	0.0003
0.00753	0.004885	0.91615	-0.06862	0.13867
0.03542	-0.09914	0.0322	0.047799	0.30265
0.50025	-0.1302	0.00483	0.399846	2.35E-19

0.05881	-0.03985	0.39017	0.005282	0.90936
0.41367	-0.15107	0.00106	0.247734	5.83E-08
0.0091	-0.1824	7.36E-05	-0.36926	1.56E-16
0.84554	-0.09816	0.03395	-0.14899	0.00124
0.43569	-0.07443	0.1082	-0.11553	0.01248
0.24896	-0.2017	1.12E-05	-0.13433	0.00363
0.60371	0.250508	4.09E-08	-0.12335	0.00761
0.00019	-0.09726	0.03563	0.088826	0.05509
0.12736	-0.13024	0.00482	0.033349	0.47218
0.00431	0.100598	0.02973	0.334969	1.04E-13
0.00025	-0.10127	0.02865	0.181221	8.20E-05
0.54503	-0.14075	0.0023	-0.01595	0.73107
8.77E-05	-0.01978	0.66993	0.140507	0.00234
0.00501	0.083939	0.06994	0.042036	0.36474
6.16E-05	-0.02385	0.60712	0.076083	0.10056
0.01128	-0.18833	4.21E-05	-0.25552	2.14E-08
0.0059	-0.08651	0.06176	0.116507	0.01175
0.4542	-0.03432	0.45941	-0.19977	1.37E-05
0.01235	-0.08217	0.07606	0.002853	0.95097
8.22E-05	0.002331	0.95993	-0.04801	0.30053
0.52473	-0.12071	0.00902	0.256066	1.99E-08
0.34671	-0.25439	2.48E-08	0.019292	0.67754
0.01544	-0.03583	0.43982	-0.06195	0.18137
3.75E-18	0.001335	0.97704	-0.4661	1.46E-26
0.25966	0.214406	2.93E-06	-0.29429	8.77E-11
1.75E-08	0.013028	0.77887	0.11381	0.01386
0.00099	-0.04907	0.28993	0.281473	5.94E-10
0.03468	0.05667	0.22158	-0.0985	0.03333
0.27225	0.023962	0.6055	-0.16628	0.00031
0.324	-0.09932	0.03189	-0.10403	0.02457
0.00616	-0.02228	0.63112	-0.09877	0.03284
0.14106	0.068034	0.1421	-0.14613	0.00154
0.00258	-0.06475	0.16245	0.041021	0.37645
0.22119	-0.04473	0.33481	-0.00066	0.9887
0.28785	-0.14022	0.00239	-0.16167	0.00045
2.81E-05	-0.12762	0.00575	0.05746	0.21519
0.00454	0.009797	0.83278	-0.04048	0.38273
0.00075	-0.02055	0.6578	0.040153	0.38664
0.80287	-0.03389	0.46501	-0.37238	8.30E-17
2.70E-09	-0.02975	0.52137	-0.19849	1.55E-05
0.18121	-0.1268	0.00607	0.039893	0.38972
0.16677	-0.23243	3.79E-07	0.198303	1.58E-05
0.03608	0.015636	0.73611	0.094833	0.04051
0.10955	-0.14079	0.00229	-0.03336	0.47207
2.55E-07	-0.25301	2.97E-08	-0.1352	0.00342

0.3656	0.185808	5.35E-05	0.066052	0.15412
0.3936	-0.07801	0.09219	-0.18581	5.35E-05
0.0219	0.058807	0.20461	0.13919	0.00257
0.00049	-0.0421	0.36403	-0.26976	3.14E-09
0.93859	0.080923	0.08065	-0.29627	6.47E-11
0.00414	-0.03927	0.39721	0.148563	0.00128
0.55775	-0.04454	0.3369	0.153969	0.00084
5.06E-07	-0.13363	0.00381	0.116889	0.01147
1.39E-09	0.305484	1.52E-11	-0.17647	0.00013
0.01473	0.039287	0.39697	-0.45051	1.01E-24
0.00122	-0.11326	0.01433	0.300336	3.44E-11
0.20812	-0.01696	0.71467	0.083846	0.07026
0.00114	-0.07822	0.09135	0.226871	7.26E-07
0.54814	-0.06619	0.15327	-0.33309	1.46E-13
0.00098	-0.17094	0.00021	0.009855	0.83179
0.89465	-0.01705	0.71324	-0.20217	1.07E-05
0.02674	0.062973	0.17429	0.120113	0.00937
0.00011	0.012564	0.78655	0.013396	0.7728
0.0009	-0.06137	0.18555	0.03705	0.42442
1.51E-05	0.00115	0.98023	0.364096	4.37E-16
0.01354	-0.19221	2.89E-05	-0.11702	0.01138
0.00127	-0.17721	0.00012	0.120383	0.00921
1.29E-13	0.051991	0.26217	0.423487	9.55E-22
0.04602	-0.06056	0.1914	-0.26459	6.39E-09
0.02956	0.14029	0.00238	0.05733	0.21623
0.05064	0.084908	0.06676	0.028334	0.54134
0.03592	-0.14197	0.0021	0.092516	0.04569
0.50297	-0.19063	3.37E-05	0.047719	0.30346
0.27102	-0.04068	0.38048	0.441179	1.15E-23
8.13E-05	0.016444	0.72302	-0.01295	0.78008
0.02836	-0.03965	0.39256	-0.00454	0.92206
0.00322	-0.22472	9.29E-07	0.114427	0.01335
1.48E-08	-0.00496	0.91492	0.156657	0.00068
0.43419	-0.11658	0.01169	0.013897	0.76454
1.53E-05	0.1137	0.01395	0.154936	0.00078
0.6854	-0.08234	0.07545	-0.01132	0.80716
0.01445	-0.11913	0.00998	0.142663	0.002
0.00032	-0.0147	0.75139	-0.00335	0.94248
0.07153	-0.20061	1.25E-05	0.05118	0.26969
0.60881	0.246897	6.48E-08	-0.0742	0.10931
0.0109	-0.07595	0.10116	-0.40622	5.56E-20
0.20763	-0.08466	0.06755	-0.02211	0.63374
0.02943	-0.00925	0.84205	-0.27271	2.08E-09
3.55E-08	-0.0181	0.69651	0.385544	5.34E-18
0.89618	-0.05818	0.20949	-0.11516	0.01276

0.04507	-0.14344	0.00189	0.274148	1.70E-09
0.10389	-0.23413	3.10E-07	0.383338	8.53E-18
0.53354	-0.147	0.00144	-0.19098	3.26E-05
0.03212	-0.08813	0.05703	0.180758	8.56E-05
3.91E-15	0.030454	0.5115	0.376729	3.40E-17
0.00134	0.189757	3.67E-05	-0.22086	1.44E-06
0.45352	-0.17248	0.00018	-0.12789	0.00565
0.25135	-0.08339	0.07181	0.058306	0.2085
0.13303	0.072287	0.11876	0.172683	0.00018
1.87E-05	0.059024	0.20294	0.021826	0.63803
0.6099	0.196933	1.82E-05	-0.19216	2.91E-05
8.22E-07	0.12572	0.00652	0.082674	0.07428
0.00795	0.175425	0.00014	-0.39023	1.95E-18
0.00024	0.104327	0.02416	0.421929	1.39E-21
0.02185	-0.10281	0.0263	-0.20272	1.01E-05
0.17548	-0.11447	0.01331	-0.09355	0.04332
0.00606	0.183336	6.74E-05	-0.1737	0.00016
0.00015	-0.1202	0.00932	0.056274	0.22482
0.00882	-0.06824	0.14088	0.179816	9.33E-05
2.82E-07	-0.0194	0.67576	0.123372	0.0076
0.47796	-0.02347	0.61287	0.06705	0.14798
0.96947	-0.05889	0.20396	-0.1359	0.00325
0.39832	-0.01975	0.67037	-0.30287	2.31E-11
6.72E-08	-0.10796	0.01961	0.043108	0.35263
0.00149	-0.1226	0.00799	0.157295	0.00065
0.33415	-0.08626	0.06254	0.020851	0.65312
0.14566	-0.17658	0.00013	-0.04133	0.37287
0.01393	-0.08557	0.06466	-0.03304	0.47628
0.43752	-0.12465	0.007	-0.03147	0.49753
0.26099	-0.16809	0.00026	0.069086	0.13603
0.34339	-0.11553	0.01248	0.310671	6.59E-12
0.61787	-0.08757	0.05864	-0.25029	4.21E-08
0.05652	-0.14278	0.00198	-0.07577	0.10198
0.01824	0.013616	0.76916	0.060369	0.19282
0.01243	0.134248	0.00365	0.315903	2.78E-12
0.01462	-0.07579	0.10187	0.00735	0.87413
0.11651	-0.24433	8.93E-08	0.112495	0.01501
0.00034	-0.11043	0.01697	0.122872	0.00785
0.00025	-0.06566	0.1566	0.060343	0.19301
2.04E-05	-0.0011	0.981	-0.08557	0.06467
0.12736	-0.06424	0.16574	-0.16076	0.00049
2.78E-13	0.003715	0.93619	0.063704	0.16933
0.11884	-0.02922	0.52872	-0.11364	0.014
0.01438	-0.16682	0.00029	-0.25868	1.41E-08
0.00528	-0.13465	0.00355	-0.03172	0.49414

0.13216	-0.02891	0.53321	0.23556	2.61E-07
0.68399	-0.06245	0.17787	-3.70E-05	0.99936
0.00019	-0.11855	0.01035	0.06178	0.1826
0.55156	-0.06229	0.17901	-0.05289	0.25401
0.01398	-0.04722	0.30853	-0.12786	0.00566
0.18274	-0.16687	0.00029	0.224839	9.16E-07
0.06923	-0.13116	0.00452	0.284645	3.73E-10
0.00065	-0.20061	1.25E-05	-0.27658	1.20E-09
0.5232	-0.15628	0.0007	-0.19826	1.59E-05
2.55E-08	-0.06528	0.15899	0.048327	0.29733
0.00393	-0.15193	0.00099	0.026176	0.57259
2.90E-06	-0.00642	0.88996	-0.0478	0.30269
0.05776	-0.16128	0.00047	0.119873	0.00952
0.3937	-0.16457	0.00036	-0.0416	0.36978
0.14568	-0.11453	0.01327	0.008399	0.85635
0.15851	-0.16351	0.00039	-0.03371	0.46745
0.98666	0.027494	0.5534	-0.00661	0.88678
0.04191	-0.06882	0.13754	0.217814	2.02E-06
0.00358	0.04685	0.31236	-0.2011	1.19E-05
0.08218	-0.17806	0.00011	-0.24631	6.98E-08
0.03036	0.023935	0.6059	0.240455	1.44E-07
0.41332	-0.05408	0.24349	-0.17014	0.00022
0.68714	-0.20173	1.12E-05	0.168717	0.00025
0.00108	-0.06112	0.18735	0.037253	0.42187
0.07932	-0.20652	6.81E-06	0.099095	0.03227
0.99256	-0.02544	0.58346	-0.17131	0.0002
0.0259	-0.14665	0.00148	-0.2062	7.04E-06
0.03386	-0.17486	0.00015	-0.0355	0.44406
0.01043	0.028212	0.54309	0.158532	0.00058
0.00259	-0.0898	0.05245	0.245107	8.11E-08
0.76246	0.012439	0.78863	0.153871	0.00085
0.32315	-0.18139	8.08E-05	-0.0684	0.13998
1.45E-20	0.065425	0.15808	0.097583	0.03502
0.16609	-0.09563	0.03886	0.156044	0.00071
2.51E-06	0.051004	0.27134	-0.09622	0.03765
0.1415	-0.02594	0.57604	-0.2641	6.83E-09
2.59E-11	0.052541	0.25715	0.352507	4.14E-15
0.10455	0.001193	0.97948	-0.08051	0.08222
7.56E-05	-0.20326	9.55E-06	0.123653	0.00747
0.91828	-0.01772	0.70252	0.045926	0.32201
0.00211	-0.19278	2.74E-05	0.199615	1.39E-05
0.42443	0.045991	0.32133	0.142725	0.00199
0.05641	0.000418	0.99281	0.370289	1.27E-16
0.01525	-0.04336	0.34987	0.305307	1.57E-11
0.64503	-0.11569	0.01236	0.187878	4.40E-05

2.18E-05	-0.11633	0.01188	0.439208	1.91E-23
0.98739	-0.07142	0.12326	0.141447	0.00218
0.53605	-0.14573	0.00159	-0.12787	0.00565
0.00041	-0.10432	0.02416	-0.07793	0.09254
0.96748	-0.15698	0.00066	0.056901	0.2197
1.31E-06	-0.15296	0.00091	0.295428	7.36E-11
0.04947	-0.19684	1.83E-05	-0.24632	6.97E-08
0.2147	-0.17737	0.00012	0.198053	1.62E-05
0.01196	-0.09709	0.03596	-0.15002	0.00115
2.09E-05	-0.04261	0.35827	-0.08248	0.07495
9.35E-06	-0.06596	0.15467	0.411917	1.49E-20
0.02367	-0.12123	0.00873	0.20265	1.02E-05
3.06E-07	-0.04062	0.38119	0.358524	1.30E-15
0.55022	-0.11875	0.01021	-0.18517	5.68E-05
0.00048	0.004917	0.91561	0.341655	3.12E-14
2.85E-05	-0.0589	0.2039	0.127142	0.00593
2.46E-05	-0.00388	0.93329	0.25979	1.22E-08
0.00183	0.137074	0.00299	-0.07025	0.12955
0.1064	-0.07807	0.09196	0.2624	8.59E-09
0.01941	-0.02659	0.56646	0.050965	0.27171
0.48857	-0.14506	0.00167	-0.07609	0.10051
0.00141	-0.19999	1.34E-05	0.060746	0.19006
2.00E-05	0.050237	0.27863	-0.06829	0.14063
0.65284	-0.1325	0.00413	0.018043	0.69735
0.51965	-0.06123	0.18655	-0.05697	0.21911
0.00305	-0.02753	0.55284	0.157986	0.00061
0.18471	-0.10264	0.02656	0.147701	0.00137
0.00591	-0.09727	0.03561	0.100977	0.02912
0.03306	-0.22434	9.70E-07	0.187616	4.51E-05
0.52522	0.086988	0.06033	-0.29733	5.49E-11
0.87736	-0.09252	0.04568	0.064718	0.16263
0.00024	-0.11306	0.0145	0.318729	1.74E-12
2.44E-10	-0.01263	0.7854	0.456585	1.99E-25
0.00087	0.093336	0.0438	-0.00989	0.83123
0.04503	-0.17517	0.00014	0.049322	0.28749
0.89835	-0.11539	0.01259	-0.12786	0.00566
0.00139	-0.23646	2.34E-07	0.318046	1.95E-12
0.70511	-0.18777	4.44E-05	0.094569	0.04108
0.00028	-0.19468	2.27E-05	0.285597	3.24E-10
0.4323	-0.19819	1.60E-05	-0.08867	0.05553
8.14E-08	-0.16397	0.00037	0.182649	7.19E-05
0.09423	-0.01626	0.72606	-0.11211	0.01536
0.1185	0.113468	0.01415	0.264732	6.26E-09
7.33E-06	0.355677	2.26E-15	-0.05032	0.2778
0.22642	-0.03151	0.49692	-0.0467	0.3139

0.0008	0.15721	0.00065	-0.1595	0.00054
0.02333	0.223224	1.10E-06	0.13164	0.00438
0.0291	-0.27656	1.21E-09	0.265593	5.57E-09
0.31861	-0.28151	5.91E-10	0.42778	3.35E-22
0.98227	-0.2099	4.77E-06	0.252738	3.07E-08
0.06317	0.08492	0.06672	-0.0921	0.04668
0.85083	-0.13124	0.0045	-0.15816	0.0006
4.80E-07	0.190003	3.59E-05	0.043671	0.34637
0.00298	0.17784	0.00011	0.223312	1.09E-06
0.53582	-0.1601	0.00051	-0.13171	0.00436
0.01943	-0.18208	7.58E-05	-0.0669	0.14892
0.1594	0.10489	0.0234	0.11237	0.01512
0.08808	-0.16733	0.00028	-0.03541	0.44521
0.05662	-0.13263	0.00409	0.122877	0.00785
0.0072	0.076813	0.09733	-0.05989	0.19642
0.78687	-0.24645	6.85E-08	0.016602	0.72047
0.00065	0.390113	2.00E-18	-0.03245	0.48426
6.71E-10	0.199439	1.41E-05	-0.14044	0.00235
0.11325	0.147683	0.00137	0.191953	2.97E-05
0.0105	-0.08853	0.05591	-0.02274	0.62403
0.03874	-0.12175	0.00844	-0.03671	0.42867
1.14E-08	0.083478	0.0715	0.070499	0.12818
0.02586	-0.20211	1.08E-05	0.019664	0.67167
0.41785	-0.15433	0.00082	0.319698	1.48E-12
0.02886	-0.22152	1.34E-06	0.130355	0.00478
0.00584	-0.15805	0.00061	0.050047	0.28045
0.00259	-0.37247	8.14E-17	-0.02976	0.52121
0.0141	-0.12815	0.00555	0.021654	0.64068
0.00093	-0.20624	7.01E-06	0.144671	0.00172
0.00044	-0.24623	7.05E-08	0.173166	0.00017
0.80363	0.185017	5.76E-05	0.056447	0.2234
0.00168	-0.0029	0.95012	0.109722	0.0177
0.43646	-0.12033	0.00925	-0.22914	5.58E-07
5.60E-07	-0.09596	0.03819	0.003281	0.94362
0.15931	-0.12105	0.00883	-0.02324	0.61642
0.05787	-0.159	0.00056	-0.01977	0.67002
3.16E-17	0.135182	0.00342	0.270665	2.77E-09
0.00056	-0.15322	0.00089	-0.04285	0.35555
5.81E-08	-0.12295	0.00782	0.164209	0.00037
0.00324	-0.12872	0.00534	0.116118	0.01204
0.28976	-0.20777	5.97E-06	-0.0797	0.08533
0.37739	-0.08835	0.0564	0.171107	0.0002
0.1162	-0.10317	0.02578	-0.20928	5.09E-06
0.4409	0.134755	0.00353	-0.01775	0.70207
0.90992	-0.26005	1.18E-08	0.208134	5.75E-06



0.0074	-0.18999	3.59E-05	-0.00816	0.86042
0.17622	-0.04477	0.33438	0.135488	0.00335
0.00237	-0.20465	8.28E-06	0.066343	0.15231
0.00034	-0.1538	0.00085	0.095698	0.03871
0.12844	-0.24701	6.38E-08	-0.03724	0.42209
0.0045	-0.06796	0.14252	0.025886	0.57685
0.74013	-0.19312	2.65E-05	-0.23197	4.00E-07
4.35E-11	0.218654	1.84E-06	-0.11294	0.01461
0.93408	0.126986	0.006	0.276944	1.14E-09
0.16219	0.211578	3.98E-06	0.291715	1.30E-10
0.03214	-0.11254	0.01497	-0.13388	0.00375
0.03656	-0.16335	0.00039	-0.04414	0.34126
0.03227	-0.25929	1.30E-08	0.408207	3.52E-20
0.23227	-0.15114	0.00105	-0.01405	0.76195
0.00066	-0.20549	7.58E-06	0.098155	0.03396
0.06168	-0.14708	0.00144	-0.14078	0.00229
0.1714	-0.22586	8.15E-07	0.149878	0.00116
0.02085	-0.1599	0.00052	-0.07128	0.124
0.12723	-0.27808	9.70E-10	0.064011	0.16728
0.14697	-0.18637	5.07E-05	0.038324	0.40865
0.00014	-0.04131	0.37307	0.148771	0.00126
0.47335	-0.21488	2.79E-06	-0.07368	0.11181
0.0002	-0.10577	0.02225	0.135182	0.00342
0.34677	0.071831	0.12111	0.287155	2.57E-10
0.1285	-0.1377	0.00286	-0.08629	0.06243
0.09711	0.067688	0.14415	0.206097	7.12E-06
0.65308	-0.06765	0.14437	-0.22373	1.04E-06
0.00053	0.073097	0.11467	-0.06745	0.14557
5.66E-09	0.400796	1.90E-19	-0.0108	0.8159
0.07609	-0.10322	0.0257	-0.16955	0.00023
0.44227	-0.19194	2.97E-05	-0.16963	0.00023
0.06171	0.166916	0.00029	-0.18067	8.63E-05
0.00419	-0.01174	0.80028	-0.14268	0.002
3.67E-06	-0.08748	0.0589	0.190998	3.26E-05
6.03E-05	-0.04112	0.37531	0.096025	0.03805
0.00088	-0.2206	1.48E-06	0.020636	0.65646
0.89362	-0.22029	1.53E-06	-0.02892	0.53298
0.02041	-0.19041	3.45E-05	0.009264	0.84175
0.00086	-0.23069	4.65E-07	-0.25331	2.85E-08
0.00013	-0.14862	0.00128	0.185367	5.58E-05
0.45788	-0.19175	3.03E-05	0.082498	0.0749
0.71129	0.021278	0.64649	0.213366	3.28E-06
0.02366	-0.15326	0.00089	-0.09786	0.0345
0.02157	-0.13224	0.0042	0.07439	0.10838
2.00E-06	-0.1023	0.02707	0.295885	6.86E-11

3.18E-06	-0.09855	0.03324	0.097733	0.03474
0.00424	-0.22311	1.12E-06	0.152034	0.00098
0.73953	-0.14188	0.00212	-0.01912	0.68028
0.08136	-0.20868	5.42E-06	0.020662	0.65606
0.83218	-0.03585	0.43964	-0.16896	0.00024
4.32E-08	-0.03675	0.42818	0.063515	0.1706
0.08434	-0.2117	3.93E-06	-0.01956	0.67338
0.54991	-0.15508	0.00077	-0.11057	0.01683
0.00023	-0.0354	0.4453	-0.13798	0.00281
0.00091	-0.11926	0.00989	0.063056	0.17372
0.42993	-0.28045	6.89E-10	0.433515	8.07E-23
0.00588	0.174185	0.00015	-0.06676	0.14972
1.35E-07	-0.06636	0.15219	0.137229	0.00296
0.41599	-0.23618	2.42E-07	0.04751	0.30559
0.0632	-0.15534	0.00076	-0.11534	0.01262
1.33E-05	-0.17576	0.00013	0.331112	2.07E-13
0.52833	-0.16297	0.00041	0.054486	0.23993
1.17E-05	-0.10272	0.02644	-0.04691	0.31169
0.54019	-0.11635	0.01187	-0.26844	3.77E-09
0.13515	0.189247	3.86E-05	0.06829	0.14061
0.00321	-0.17014	0.00022	-0.01639	0.72387
2.70E-08	0.028705	0.53606	0.465924	1.53E-26
0.00126	-0.20751	6.13E-06	0.361043	7.98E-16
0.00011	-0.05637	0.224	0.190912	3.28E-05
0.83514	-0.14947	0.0012	0.166421	0.0003
0.30248	-0.17332	0.00017	-0.12793	0.00563
0.66924	0.19622	1.95E-05	-0.01501	0.74629
0.04054	-0.28596	3.07E-10	-0.03479	0.4533
0.00128	-0.16004	0.00052	0.083559	0.07123
0.30557	-0.12797	0.00561	-0.06992	0.13136
0.19756	0.155557	0.00074	-0.04592	0.32203
0.04557	-0.24109	1.34E-07	0.060447	0.19225
0.06045	0.1836	6.58E-05	0.034009	0.46345
6.05E-05	-0.18306	6.92E-05	0.029758	0.5212
0.27376	-0.17444	0.00015	-0.00813	0.86083
0.00296	-0.03336	0.47201	0.005034	0.9136
0.78539	-0.23072	4.64E-07	0.052189	0.26035
1.61E-16	0.214219	2.99E-06	0.063574	0.1702
0.04134	-0.06309	0.17351	-0.15966	0.00053
0.01229	0.036473	0.43166	-0.15065	0.00109
0.09543	-0.20578	7.35E-06	0.055944	0.22756
0.13538	-0.13506	0.00345	-0.02754	0.55267
4.01E-09	0.061436	0.18506	-0.14381	0.00184
0.0026	-0.15183	0.001	0.313371	4.23E-12
0.33518	-0.15015	0.00114	0.027685	0.55065

0.53018	0.029429	0.52581	-0.03761	0.4174
0.00084	-0.15112	0.00105	0.319359	1.56E-12
0.03254	-0.22532	8.67E-07	-0.05916	0.2019
1.47E-07	-0.08937	0.05361	0.141394	0.00219
0.68567	-0.17696	0.00012	0.153586	0.00087
2.53E-12	-0.04149	0.37101	0.203342	9.47E-06
5.47E-06	-0.02183	0.638	0.284739	3.68E-10
0.00032	-0.06317	0.17295	0.048363	0.29698
0.41321	-0.14256	0.00201	-0.20659	6.76E-06
0.03821	0.162755	0.00041	0.010444	0.8219
0.0418	-0.23042	4.80E-07	0.014722	0.75101
0.02085	0.167503	0.00028	-0.05855	0.20662
7.53E-05	-0.11356	0.01407	0.086124	0.06294
0.31831	-0.23112	4.42E-07	0.058932	0.20365
0.70388	-0.17149	0.0002	0.037277	0.42159
0.4775	-0.15031	0.00112	-0.10975	0.01767
0.12021	0.16036	0.0005	0.040558	0.38186
0.16239	-0.10314	0.02582	0.071492	0.12288
0.22864	0.083728	0.07065	0.048342	0.29718
1.39E-06	0.167308	0.00028	-0.01341	0.77249
0.02467	-0.18762	4.51E-05	-0.27197	2.31E-09
0.03711	-0.10148	0.02833	0.101127	0.02888
0.07152	-0.02926	0.52825	-0.25296	2.99E-08
0.00294	-0.20682	6.60E-06	0.048332	0.29728
0.00057	0.11227	0.01521	-0.15019	0.00113
0.11179	-0.15948	0.00054	0.095411	0.0393
0.53297	-0.22552	8.47E-07	-0.09468	0.04085
6.22E-07	-0.19513	2.17E-05	0.153495	0.00088
0.14827	-0.08286	0.07362	-0.14566	0.0016
0.44774	-0.22899	5.68E-07	0.043782	0.34514
0.14004	-0.0808	0.08112	-0.06133	0.18582
0.17678	0.092261	0.0463	0.095142	0.03986
0.00016	-0.1269	0.00603	0.009597	0.83613
0.2127	-0.13092	0.0046	0.072192	0.11925
0.57657	-0.14732	0.00141	-0.02783	0.54855
0.1511	-0.16516	0.00034	-0.11924	0.0099
0.00014	-0.07935	0.08672	0.260832	1.06E-08
0.00477	0.052855	0.25431	0.046241	0.3187
2.85E-06	0.062185	0.17975	0.071129	0.1248
0.00046	-0.11496	0.01292	0.066981	0.1484
0.01936	0.047125	0.30953	0.1671	0.00029
8.58E-05	-0.0993	0.03192	0.219556	1.66E-06
0.00419	-0.15199	0.00098	0.067215	0.14698
0.07883	0.1698	0.00023	0.145624	0.0016
0.0202	-0.23216	3.91E-07	0.091157	0.04898

2.70E-06	-0.20955	4.95E-06	0.222345	1.22E-06
0.07654	-0.12519	0.00675	-0.05722	0.21713
0.00014	-0.28929	1.87E-10	-0.35531	2.42E-15
0.80565	0.012342	0.79024	-0.03866	0.40458
0.00112	0.146202	0.00153	-0.20842	5.57E-06
0.08833	-0.2029	9.92E-06	-0.24516	8.05E-08
0.04549	-0.062	0.18104	0.115261	0.01269
2.12E-05	-0.15368	0.00086	0.182356	7.39E-05
0.68985	-0.15847	0.00059	0.056228	0.22521
0.00027	-0.09229	0.04623	0.077902	0.09266
0.13533	-0.2611	1.02E-08	0.192394	2.84E-05
0.62949	0.232626	3.70E-07	-0.19745	1.72E-05
0.13493	-0.11761	0.01097	0.245025	8.19E-08
0.00657	0.060392	0.19265	0.141293	0.00221
0.08064	-0.20193	1.10E-05	0.071571	0.12247
0.75278	-0.15325	0.00089	-0.09967	0.03129
7.01E-05	-0.15875	0.00057	0.126733	0.0061
0.00063	-0.12862	0.00538	0.104268	0.02424
0.97309	-0.10986	0.01755	-0.07922	0.08726
5.33E-07	-0.14852	0.00129	0.202031	1.08E-05
1.41E-07	-0.18237	7.38E-05	0.126071	0.00637
0.23229	-0.06516	0.15976	0.118535	0.01035
0.88987	-0.21066	4.39E-06	0.165761	0.00032
0.40001	-0.11948	0.00976	0.037893	0.41394
0.04032	-0.21259	3.57E-06	0.084213	0.06903
1.01E-05	-0.08946	0.05337	-0.01785	0.70041
0.69773	-0.17398	0.00016	-0.21664	2.30E-06
1.87E-11	0.235899	2.51E-07	-0.0566	0.22217
0.00076	-0.139	0.00261	0.086375	0.06217
0.01938	-0.14382	0.00183	-0.02983	0.52013
0.68805	-0.18662	4.95E-05	-0.01462	0.75268
0.02803	-0.20614	7.09E-06	0.119783	0.00957
0.99873	-0.17131	0.0002	-0.13377	0.00378
0.00019	-0.04542	0.32736	-0.00254	0.95634
0.02072	0.080858	0.08089	-0.11617	0.012
6.38E-08	-0.08493	0.06668	0.151417	0.00103
8.38E-07	0.22135	1.36E-06	0.185051	5.74E-05
9.21E-05	-0.12419	0.00721	0.008688	0.85147
9.29E-06	0.027303	0.55616	-0.15334	0.00089
0.20461	-0.20977	4.83E-06	0.136212	0.00318
0.94864	-0.14135	0.0022	-0.13825	0.00275
4.67E-05	0.157635	0.00063	-0.50044	5.74E-31
0.43477	-0.29771	5.17E-11	-0.03754	0.41827
0.26089	-0.25088	3.91E-08	0.187726	4.46E-05
0.01832	-0.08559	0.0646	0.355374	2.39E-15

0.12306	-0.11168	0.01576	-0.17632	0.00013
0.0458	-0.19499	2.20E-05	0.165898	0.00032
0.00044	-0.11997	0.00946	0.047436	0.30634
0.13587	-0.08627	0.0625	-0.23842	1.85E-07
1.01E-08	0.058917	0.20376	0.291637	1.31E-10
0.01911	-0.13202	0.00427	-0.11309	0.01448
0.00017	0.18498	5.78E-05	-0.19273	2.75E-05
0.00329	-0.08999	0.05198	-0.05109	0.27051
0.07819	0.038148	0.41081	0.013536	0.77048
0.5803	-0.10545	0.02267	-0.07738	0.09487
0.00568	-0.21334	3.29E-06	0.140103	0.00241
0.00026	-0.14634	0.00152	0.062308	0.17889
0.10975	-0.0682	0.14116	-0.17914	9.93E-05
0.02568	-0.0863	0.06239	-0.00418	0.9283
0.15353	-0.09729	0.03556	-0.07592	0.10131
0.08929	-0.20215	1.07E-05	-0.08152	0.07842
0.00422	-0.03204	0.48978	-0.19158	3.08E-05
0.02566	-0.21737	2.12E-06	-0.07643	0.09901
0.00012	0.134425	0.00361	-0.32665	4.50E-13
0.00125	0.136408	0.00314	-0.1894	3.80E-05
0.15908	0.179245	9.83E-05	-0.22321	1.10E-06
0.57525	-0.11427	0.01348	-0.11911	0.00998
0.92476	-0.08418	0.06915	-0.2398	1.56E-07
0.60159	-0.0654	0.15825	-0.25558	2.12E-08
3.03E-05	-0.01603	0.7298	0.283454	4.45E-10
3.94E-05	0.054008	0.24408	-0.00557	0.90441
0.51899	0.127668	0.00573	-0.02052	0.65823
0.70351	-0.14098	0.00226	0.178671	0.0001
0.01283	-0.16002	0.00052	0.235232	2.72E-07
1.65E-07	-0.17509	0.00014	0.174439	0.00015
0.09931	-0.22941	5.41E-07	-0.12695	0.00601
0.0344	0.007839	0.86583	-0.07942	0.08645
3.46E-05	-0.14621	0.00153	0.168021	0.00027
0.01513	0.042249	0.36231	-0.01659	0.72059
0.17187	-0.13821	0.00276	-0.06445	0.16438
3.77E-05	-0.05518	0.23397	0.019096	0.68064
0.64606	-0.14578	0.00158	0.062161	0.17992
0.00229	-0.08605	0.06317	0.026031	0.57472
0.13219	-0.20484	8.11E-06	0.005397	0.9074
0.00068	-0.17102	0.0002	0.176061	0.00013
0.75028	-0.23732	2.11E-07	0.166706	0.0003
0.00044	0.010632	0.81874	-0.06076	0.18991
0.48133	-0.24384	9.50E-08	0.224895	9.11E-07
0.02583	-0.25662	1.85E-08	0.020467	0.6591
9.68E-10	-0.03057	0.50994	0.155918	0.00072

0.00017	-0.18783	4.42E-05	0.156982	0.00066
0.16413	0.033151	0.47481	0.139164	0.00258
0.00074	-0.16416	0.00037	0.148469	0.00129
9.03E-05	0.038456	0.40704	-0.00974	0.83378
0.69644	0.244152	9.14E-08	-0.28645	2.86E-10
0.14811	0.392178	1.28E-18	-0.26486	6.15E-09
0.001	-0.25033	4.19E-08	-0.12199	0.00832
0.9249	-0.02521	0.58677	-0.12211	0.00825
0.34665	-0.26318	7.73E-09	-0.14271	0.00199
0.68231	-0.10089	0.02926	0.034537	0.45653
5.31E-06	-0.1752	0.00014	0.074293	0.10885
0.74737	-0.25936	1.29E-08	0.126172	0.00633
0.00081	-0.2456	7.62E-08	0.160043	0.00052
0.22734	-0.12402	0.00729	-0.03765	0.41694
0.91801	-0.13686	0.00304	-0.03213	0.48853
0.01398	-0.19238	2.85E-05	0.058699	0.20545
0.7608	-0.20543	7.63E-06	-0.12527	0.00672
0.47316	-0.07941	0.0865	-0.00886	0.84852
0.56592	-0.26747	4.31E-09	-0.05816	0.20964
0.84799	-0.00425	0.92709	0.358197	1.39E-15
0.43692	-0.18609	5.21E-05	-0.06975	0.13228
0.01263	-0.17286	0.00017	-0.14498	0.00168
0.01993	0.211202	4.15E-06	-0.04959	0.28485
0.04392	0.047792	0.30272	0.066912	0.14882
0.36556	0.018184	0.6951	0.070799	0.12657
2.73E-05	0.032654	0.48146	-0.06426	0.16562
0.03759	-0.21514	2.71E-06	-0.03397	0.46398
0.01654	0.063299	0.17206	0.009641	0.8354
3.68E-09	0.055421	0.23195	-0.36687	2.52E-16
0.24465	-0.11829	0.01051	0.11176	0.01568
0.66205	-0.07599	0.10098	-0.21354	3.22E-06
0.00029	-0.09877	0.03285	-0.02716	0.55822
0.00153	-0.15098	0.00107	0.370236	1.28E-16
0.51992	-0.22764	6.64E-07	0.037678	0.4166
0.06256	-0.10607	0.02187	-0.23778	2.00E-07
0.22994	0.135698	0.0033	0.143621	0.00186
0.55878	-0.13098	0.00458	-0.09349	0.04345
0.00161	-0.01731	0.70905	0.1085	0.01901
0.01119	0.113078	0.01449	-0.01011	0.82758
0.01031	0.015137	0.74422	-0.06935	0.13451
0.55953	-0.11898	0.01007	0.062334	0.17871
0.04591	-0.08584	0.06381	0.008504	0.85458
0.00048	-0.15865	0.00058	0.020721	0.65514
0.36521	-0.11901	0.01005	-0.22632	7.74E-07
0.07308	-0.15745	0.00064	-0.05942	0.19991

0.05376	-0.1741	0.00016	-0.09443	0.04137
0.01221	0.016107	0.72846	-0.00644	0.88964
0.06965	-0.11568	0.01236	0.05645	0.22338
0.00018	-0.04535	0.3281	0.134708	0.00354
2.62E-11	-0.07521	0.10455	0.201402	1.16E-05
0.04349	-0.12921	0.00517	-0.10525	0.02293
0.00357	-0.18568	5.42E-05	0.032593	0.48229
0.12973	-0.19839	1.57E-05	0.170826	0.00021
4.23E-09	0.008098	0.86144	-0.20541	7.65E-06
0.00013	-0.06057	0.19134	0.023628	0.61054
0.0038	0.067509	0.14522	0.026374	0.56968
0.00421	-0.12043	0.00919	0.051038	0.27103
0.59042	-0.12179	0.00842	-0.10947	0.01796
4.64E-12	0.06292	0.17465	-0.22855	5.98E-07
1.52E-06	0.082025	0.07659	-0.17817	0.00011
0.24135	-0.13521	0.00342	-0.14011	0.00241
0.66831	-0.08932	0.05374	-0.09946	0.03163
0.03163	-0.18475	5.91E-05	0.305871	1.43E-11
0.0002	-0.21869	1.83E-06	-0.25239	3.21E-08
0.00283	-0.07386	0.11093	-0.13699	0.00301
0.73362	0.249802	4.48E-08	-0.24381	9.54E-08
0.04255	0.012496	0.78768	0.058414	0.20766
1.24E-06	-0.06781	0.14345	0.079627	0.08564
0.04435	0.023537	0.61191	0.168331	0.00026
0.29462	-0.21877	1.82E-06	-0.077	0.09652
0.00611	-0.14016	0.0024	-0.09077	0.04996
0.31959	0.114008	0.01369	0.31269	4.74E-12
0.00076	-0.0589	0.20388	-0.08191	0.07702
0.00659	-0.14562	0.0016	0.049112	0.28955
1.78E-09	0.023269	0.61598	0.04665	0.31444
0.0718	-0.16289	0.00041	0.090429	0.05083
0.17935	-0.15696	0.00066	-0.05574	0.22929
0.4289	-0.20655	6.79E-06	-0.16192	0.00044
0.00521	-0.0039	0.93302	-0.02627	0.57123
0.67006	0.111838	0.01561	0.109378	0.01806
0.9781	0.079595	0.08576	0.237377	2.10E-07
0.04056	-0.14046	0.00235	0.04347	0.3486
0.00433	-0.12906	0.00522	0.226909	7.23E-07
6.66E-05	0.100914	0.02922	0.057959	0.21123
0.00343	-0.14853	0.00129	0.011975	0.79634
0.00347	0.257858	1.57E-08	0.141445	0.00218
0.19785	-0.15743	0.00064	-0.01065	0.81852
2.63E-06	-0.04078	0.37931	0.01504	0.74582
0.07215	0.022451	0.62843	0.270158	2.97E-09
0.00197	-0.19567	2.06E-05	-0.08377	0.0705

0.00485	0.076676	0.09793	-0.05412	0.24313
1.45E-10	-0.04784	0.30226	0.169298	0.00024
0.12986	-0.07701	0.09649	-0.25035	4.18E-08
0.0626	-0.07783	0.09296	-0.3	3.62E-11
0.12387	0.026513	0.56766	-0.21019	4.62E-06
0.00956	-0.21809	1.96E-06	0.174112	0.00016
0.11566	-0.18042	8.83E-05	0.066558	0.15098
0.00148	-0.06933	0.13464	0.407103	4.54E-20
0.79042	0.123456	0.00756	0.187753	4.45E-05
6.20E-09	-0.05721	0.21719	0.063753	0.169
0.29085	-0.03371	0.46743	-0.38411	7.25E-18
0.00141	-0.0847	0.06743	0.152795	0.00092
8.43E-06	-0.07892	0.08846	0.115408	0.01257
0.02405	-0.15098	0.00107	0.023527	0.61206
0.76861	-0.19881	1.50E-05	-0.0628	0.17549
0.03234	0.070018	0.13081	0.043592	0.34724
0.03243	-0.04858	0.29478	0.097756	0.03469
0.01638	-0.03906	0.39968	-0.34868	8.52E-15
0.01698	-0.16917	0.00024	-0.21116	4.17E-06
0.58362	-0.14961	0.00118	-0.00854	0.85393
0.43105	-0.16329	0.0004	-0.06063	0.19091
0.00108	0.118755	0.01021	-0.10584	0.02217
0.1708	-0.17345	0.00017	-0.03168	0.4947
0.00578	-0.12178	0.00843	-0.02082	0.65356
0.1361	-0.13814	0.00278	-0.35142	5.08E-15
0.78609	-0.29654	6.20E-11	0.073888	0.11079
0.13002	-0.16982	0.00023	-0.10608	0.02186
0.21434	-0.11664	0.01165	-0.06764	0.14446
1.00E-05	-0.05856	0.2065	0.214868	2.79E-06
0.19826	-0.11244	0.01506	-0.16414	0.00037
1.34E-06	-0.07837	0.09072	0.255226	2.22E-08
4.75E-05	0.046541	0.31556	0.152606	0.00094
0.62173	-0.24576	7.47E-08	-0.05076	0.27366
1.42E-07	0.002936	0.94954	0.071973	0.12038
0.17029	-0.21814	1.95E-06	-0.19667	1.86E-05
0.03277	-0.11116	0.01625	-0.00532	0.90868
0.47068	-0.1647	0.00035	-0.12646	0.00621
0.0025	-0.22317	1.11E-06	0.289246	1.88E-10
0.89366	-0.16487	0.00035	-0.01758	0.70473
0.31138	-0.20813	5.75E-06	0.012458	0.78831
0.27855	-0.24907	4.92E-08	0.042373	0.3609
0.96877	-0.22524	8.75E-07	0.050655	0.27464
0.00114	-0.11101	0.0164	0.405341	6.79E-20
0.69085	-0.21358	3.21E-06	-0.02598	0.57553
0.2354	-0.12871	0.00534	0.012966	0.7799



0.01894	0.142813	0.00198	0.201456	1.15E-05
6.88E-05	-0.15774	0.00062	0.114725	0.01311
7.18E-09	-0.09788	0.03447	0.077273	0.09533
0.0432	-0.06221	0.17954	-0.41082	1.93E-20
0.00034	-0.1963	1.94E-05	0.29988	3.69E-11
0.05986	-0.18833	4.21E-05	-0.09814	0.03399
0.38144	0.12418	0.00721	0.092004	0.04691
0.3273	0.108077	0.01948	0.175954	0.00013
0.06103	-0.16017	0.00051	0.129877	0.00494
0.00076	-0.16891	0.00025	0.134393	0.00362
0.31859	-0.15432	0.00082	-0.06316	0.17304
0.14829	-0.15607	0.00071	-0.01044	0.82196
0.00279	0.094475	0.04128	-0.17516	0.00014
0.17974	-0.04816	0.299	0.286579	2.80E-10
1.04E-06	0.123982	0.00731	-0.07438	0.10843
0.38522	-0.12684	0.00606	-0.02689	0.56212
0.00619	-0.11881	0.01018	0.153077	0.0009
0.03673	-0.1943	2.36E-05	-0.00501	0.91396
0.7764	-0.051	0.27142	-0.30772	1.06E-11
0.35681	-0.21115	4.17E-06	-0.05001	0.28078
0.01388	-0.21118	4.15E-06	0.049651	0.28428
0.00968	-0.09667	0.03676	-0.05584	0.22839
0.8016	-0.09009	0.05171	-0.07263	0.11701
0.12392	0.171451	0.0002	0.312132	5.19E-12
5.49E-06	-0.02913	0.53007	0.173714	0.00016
0.09329	0.035706	0.44142	-0.08966	0.05284
0.00842	-0.04644	0.31665	0.040911	0.37773
0.00479	0.191965	2.96E-05	-0.28261	5.03E-10
0.03105	-0.0103	0.82438	-0.22992	5.10E-07
6.72E-10	0.021957	0.63602	0.069944	0.13122
0.26122	-0.20621	7.04E-06	0.064586	0.16349
0.16467	-0.15791	0.00062	-0.19378	2.48E-05
0.29874	-0.23081	4.59E-07	0.121463	0.0086
8.61E-06	-0.04392	0.34367	0.100523	0.02986
0.00347	-0.16625	0.00031	0.032903	0.47813
0.0318	-0.05874	0.20516	-0.2073	6.28E-06
0.01263	0.105985	0.02198	0.036913	0.42612
0.05694	-0.04069	0.38032	0.285603	3.24E-10
0.02553	-0.23537	2.67E-07	-0.19129	3.17E-05
0.03288	0.102238	0.02716	0.118844	0.01016
0.13717	-0.17402	0.00016	-0.09158	0.04795
0.00024	0.265238	5.85E-09	0.282154	5.38E-10
0.02181	0.258605	1.43E-08	-0.0185	0.69007
0.00959	-0.10537	0.02277	0.060947	0.18858
0.32581	-0.1298	0.00496	-0.20732	6.26E-06

0.00885	-0.00561	0.90371	-0.18032	8.91E-05
0.05382	-0.20894	5.28E-06	-0.04013	0.38693
0.23858	-0.19649	1.90E-05	-0.20891	5.29E-06
1.73E-06	-0.13901	0.00261	0.073678	0.11182
0.00144	-0.13155	0.00441	-0.03556	0.44333
0.04217	0.192304	2.87E-05	-0.14306	0.00194
0.02144	-0.00386	0.93376	-0.10754	0.0201
0.00788	-0.22792	6.43E-07	0.042724	0.35694
0.22216	-0.10878	0.0187	-0.23992	1.54E-07
0.05137	-0.17858	0.0001	-0.08275	0.074
0.00392	-0.05133	0.26829	-0.12283	0.00788
5.39E-06	0.097385	0.03539	-0.15647	0.00069
0.27702	-0.23126	4.35E-07	-0.0282	0.54331
0.78639	-0.07724	0.09549	-0.00929	0.84127
0.09453	-0.21074	4.36E-06	-0.09279	0.04504
0.97154	-0.01824	0.69417	-0.29211	1.22E-10
0.23436	-0.13067	0.00468	-0.13795	0.00281
0.25071	-0.17015	0.00022	0.004644	0.92028
0.92338	-0.14042	0.00235	-0.12094	0.00889
0.00015	-0.07516	0.10475	-0.0249	0.59151
0.83017	-0.07516	0.10479	-0.10163	0.02808
0.00544	-0.18019	9.02E-05	0.424168	8.09E-22
1.47E-06	-0.15607	0.00071	0.076796	0.0974
0.38492	-0.16193	0.00044	-0.1025	0.02677
0.20014	-0.1364	0.00314	0.059571	0.19878
2.89E-06	-0.07673	0.09769	0.256142	1.97E-08
7.04E-10	-0.06224	0.17938	0.216854	2.24E-06
0.36549	-0.20782	5.94E-06	0.091304	0.04862
0.72142	-0.10884	0.01863	-0.18829	4.23E-05
0.0255	0.008335	0.85743	0.180469	8.79E-05
0.74451	-0.15164	0.00101	-0.14228	0.00206
0.4034	-0.17954	9.57E-05	-0.00829	0.85825
0.22153	-0.03414	0.46168	-0.30872	9.04E-12
0.12972	-0.09304	0.04447	-0.27922	8.23E-10
0.54755	-0.07035	0.129	0.049218	0.2885
0.8984	-0.07215	0.11948	0.031982	0.49054
0.00508	-0.07072	0.12696	-0.06886	0.13734
0.65648	-0.15149	0.00102	-0.10823	0.01931
1.08E-05	-0.06692	0.14874	-0.05472	0.23791
0.84709	-0.21204	3.79E-06	-0.13347	0.00386
0.04197	-0.22415	9.91E-07	0.095964	0.03817
0.34537	-0.12469	0.00698	-0.201	1.20E-05
0.65755	-0.16316	0.0004	-0.01879	0.68548
0.17779	-0.21864	1.84E-06	0.268006	4.00E-09
0.00144	-0.09193	0.04709	0.045559	0.3259

0.35088	0.283835	4.21E-10	-0.07966	0.08549
0.00035	-0.01141	0.80574	0.173035	0.00017
0.81619	-0.19181	3.01E-05	-0.06625	0.15286
0.00703	0.252859	3.03E-08	0.06702	0.14816
5.91E-08	0.508041	5.18E-32	0.000997	0.98286
0.12598	0.198784	1.51E-05	0.08543	0.0651
0.00093	-0.19815	1.61E-05	0.102456	0.02683
0.00311	0.07756	0.09411	-0.10422	0.02431
1.81E-05	0.033311	0.47268	-0.01878	0.68559
0.56797	0.279719	7.66E-10	-0.12423	0.00719
0.00607	-0.16178	0.00045	-0.28619	2.97E-10
1.49E-06	-0.04739	0.30684	0.217925	1.99E-06
0.34615	-0.15776	0.00062	0.063595	0.17006
0.04282	-0.1766	0.00012	0.200573	1.26E-05
0.09777	-0.2357	2.57E-07	0.139729	0.00248
0.27998	-0.1225	0.00805	-0.01606	0.72915
1.45E-05	0.040963	0.37711	-0.13878	0.00265
2.83E-09	-0.04944	0.28631	0.437418	3.02E-23
0.01155	-0.06604	0.15417	-0.20294	9.87E-06
0.27755	-0.16399	0.00037	-0.16964	0.00023
2.21E-05	-0.11371	0.01394	0.256038	2.00E-08
0.00049	-0.03647	0.43176	-0.01701	0.71392
0.72307	-0.26166	9.49E-09	0.147691	0.00137
0.00649	-0.21132	4.09E-06	0.080312	0.08297
0.68738	-0.10352	0.02528	-0.22121	1.38E-06
0.04741	-0.20566	7.45E-06	-0.02528	0.58581
0.00103	-0.08782	0.05792	0.100885	0.02927
0.00475	-0.13539	0.00337	0.464441	2.31E-26
0.03724	-0.21292	3.44E-06	-0.15112	0.00105
0.02301	-0.08221	0.07592	-0.05748	0.21503
0.02312	0.201201	1.18E-05	0.088571	0.05579
0.01656	-0.277	1.13E-09	-0.03057	0.50995
0.00587	-0.21747	2.10E-06	0.117109	0.01132
2.47E-07	0.030052	0.5171	-0.08891	0.05486
0.63666	-0.07711	0.09602	-0.01202	0.79561
0.92258	0.080541	0.08209	0.142161	0.00207
0.00086	0.15528	0.00076	-0.24698	6.41E-08
0.0041	0.066267	0.15278	0.025833	0.57762
0.35952	-0.17497	0.00014	-0.18186	7.73E-05
0.48194	-0.22012	1.56E-06	-0.17438	0.00015
0.83729	-0.19244	2.83E-05	-0.2015	1.14E-05
0.00166	-0.0731	0.11467	0.181055	8.33E-05
7.43E-11	0.117452	0.01108	-0.0428	0.35608
8.73E-08	0.142036	0.00209	-0.08213	0.07622
5.38E-05	-0.04492	0.33271	-0.09833	0.03363

0.01819	-0.1144	0.01338	0.295964	6.78E-11
0.82295	-0.2034	9.42E-06	-0.04519	0.32987
0.01459	0.132797	0.00404	-0.12104	0.00883
3.27E-11	-0.01008	0.82803	0.190311	3.48E-05
0.17188	0.025705	0.57952	-0.20135	1.16E-05
0.55114	0.033526	0.46983	-0.20125	1.17E-05
0.29873	-0.12665	0.00613	-0.09336	0.04376
0.00186	-0.14041	0.00236	0.066515	0.15125
0.01471	-0.18512	5.71E-05	0.005597	0.90398
0.00012	0.133295	0.00391	-0.08067	0.0816
0.12934	-0.23605	2.46E-07	-0.04239	0.36075
0.02738	-0.21382	3.13E-06	0.042368	0.36096
0.57273	-0.13822	0.00276	-0.02163	0.64104
0.84222	-0.24162	1.25E-07	0.077822	0.093
0.24081	0.09956	0.03147	-0.29976	3.76E-11
7.55E-10	-0.12372	0.00743	0.100095	0.03056
0.00061	0.12719	0.00592	-0.10956	0.01787
5.50E-05	-0.09752	0.03513	0.05371	0.24669
7.72E-09	-0.01698	0.71442	0.175157	0.00014
0.12074	-0.04521	0.3296	-0.05927	0.20109
0.01292	-0.25443	2.47E-08	0.244241	9.04E-08
2.36E-08	0.05297	0.25328	-0.10425	0.02427
6.39E-08	0.149213	0.00122	-0.13627	0.00317
0.12166	-0.20999	4.72E-06	0.017438	0.70702
0.00402	-0.20476	8.18E-06	-0.05335	0.24986
0.00101	0.106252	0.02165	-0.15132	0.00104
0.00219	-0.11361	0.01403	0.17047	0.00021
0.00388	0.160056	0.00052	-0.03585	0.43957
0.0011	-0.13391	0.00374	-0.02992	0.51889
0.00756	-0.19598	2.00E-05	0.150179	0.00113
4.47E-05	-0.10214	0.02731	0.515561	4.51E-33
0.02295	-0.02551	0.58239	-0.13776	0.00285
6.39E-05	-0.13479	0.00352	0.226356	7.70E-07
0.20323	-0.17039	0.00022	-0.10985	0.01756
2.15E-05	-0.23773	2.01E-07	-0.10248	0.02679
0.01979	-0.22771	6.58E-07	-0.15515	0.00077
0.68374	-0.26463	6.35E-09	0.227248	6.95E-07
0.0027	-0.10531	0.02285	0.397936	3.60E-19
0.00061	-0.08056	0.08204	0.162837	0.00041
0.74066	-0.17398	0.00016	-0.22117	1.39E-06
0.05881	-0.28258	5.06E-10	0.142484	0.00202
0.03144	-0.05661	0.22209	-0.15078	0.00108
0.08195	-0.1483	0.00131	-0.45552	2.65E-25
0.59214	-0.19241	2.84E-05	-0.08392	0.07002
0.0995	-0.23041	4.81E-07	-0.17352	0.00016

0.14507	-0.09633	0.03743	0.05597	0.22734
0.79002	-0.21591	2.49E-06	-0.17487	0.00015
0.0146	-0.12503	0.00683	0.064646	0.1631
0.01222	-0.14053	0.00234	0.003158	0.94573
0.40321	-0.15597	0.00072	0.068534	0.13919
7.58E-06	-0.09214	0.04657	-0.04524	0.32929
0.12717	-0.13436	0.00363	-0.06683	0.14935
0.87516	-0.21115	4.17E-06	0.316565	2.49E-12
0.12885	-0.17266	0.00018	0.279981	7.38E-10
0.0165	-0.08061	0.08184	-0.17382	0.00016
2.95E-11	0.076321	0.0995	0.099199	0.03209
0.29003	0.097701	0.0348	-0.09994	0.03083
0.02507	-0.16046	0.0005	0.015908	0.73168
0.31109	-0.10967	0.01775	-0.05939	0.20012
0.12771	-0.1185	0.01038	-0.08735	0.05927
0.42419	-0.18833	4.21E-05	-0.00557	0.90439
0.30591	-0.07673	0.09768	-0.05046	0.27649
0.00549	-0.13205	0.00426	0.415226	6.87E-21
0.93613	-0.08118	0.07968	-0.21293	3.44E-06
0.05681	-0.03534	0.44612	-0.02894	0.53277
4.83E-06	-0.07706	0.09627	0.323204	8.14E-13
0.76665	-0.25745	1.66E-08	0.107488	0.02016
0.23406	0.038354	0.40828	0.351831	4.70E-15
0.01129	-0.23918	1.69E-07	0.143804	0.00184
0.23508	-0.2227	1.17E-06	-0.08901	0.05457
0.59421	-0.22254	1.19E-06	0.113475	0.01414
1.26E-16	0.126779	0.00608	0.255323	2.20E-08
0.00055	-0.12816	0.00554	0.015199	0.74322
0.58487	-0.17983	9.32E-05	-0.21376	3.15E-06
0.46422	-0.19809	1.62E-05	0.087635	0.05844
0.00031	-0.13209	0.00425	0.3628	5.65E-16
9.04E-05	-0.197	1.80E-05	0.154434	0.00081
0.55191	-0.0315	0.49707	-0.04298	0.35406
0.00024	0.050704	0.27418	0.128206	0.00553
0.00087	-0.11217	0.0153	0.092185	0.04648
0.14304	-0.05457	0.23918	0.073645	0.11197
1.51E-09	-0.12072	0.00902	0.013953	0.76363
0.03907	-0.21746	2.10E-06	-0.05951	0.19922
0.00998	-0.01383	0.76568	0.08699	0.06033
0.00037	-0.17378	0.00016	0.108659	0.01883
0.24133	-0.22833	6.13E-07	0.230638	4.68E-07
0.09935	-0.26328	7.63E-09	0.000158	0.99728
0.00864	0.035534	0.44363	-0.08959	0.05303
0.0066	0.019579	0.67301	-0.16587	0.00032
0.15376	-0.08149	0.07854	-0.07559	0.10277

0.07128	-0.03315	0.47481	-0.28113	6.24E-10
0.24068	-0.23613	2.44E-07	0.162697	0.00042
0.51082	-0.05779	0.21258	-0.24522	7.99E-08
0.00254	0.021784	0.63868	-0.00583	0.90009
0.79175	0.221124	1.40E-06	-0.09535	0.03942
0.00412	-0.15955	0.00054	-0.05218	0.26041
2.59E-05	-0.03325	0.47354	0.091446	0.04827
0.70112	-0.07271	0.11663	-0.30413	1.89E-11
0.02471	-0.08374	0.0706	0.053057	0.2525
0.40085	-0.16586	0.00032	-0.08773	0.05818
1.26E-05	-0.0952	0.03974	0.28494	3.57E-10
0.0203	-0.22784	6.49E-07	0.334737	1.09E-13
0.85443	-0.29758	5.28E-11	0.213104	3.38E-06
0.00595	-0.24092	1.36E-07	0.166995	0.00029
0.00094	-0.14808	0.00133	0.239085	1.71E-07
0.18719	-0.03271	0.48074	-0.31996	1.41E-12
0.37761	-0.13161	0.00439	-0.16458	0.00036
0.77688	-0.19086	3.30E-05	0.058976	0.20331
3.72E-05	-0.15996	0.00052	0.093188	0.04414
0.00205	-0.3092	8.36E-12	-0.14219	0.00207
0.11253	-0.0948	0.04059	-0.26171	9.42E-09
0.45649	-0.08828	0.0566	-0.17138	0.0002
5.84E-08	-0.00236	0.95944	-0.18795	4.36E-05
0.60695	0.099691	0.03125	0.10124	0.0287
0.0325	-0.22156	1.33E-06	0.002499	0.95705
0.02367	-0.06915	0.13567	0.154945	0.00078
0.10201	-0.22406	1.00E-06	-0.14963	0.00118
0.00191	0.058637	0.20592	-0.16551	0.00033
0.11431	-0.12658	0.00616	-0.3713	1.03E-16
0.00054	-0.14363	0.00186	-0.04932	0.28749
0.06006	0.118681	0.01026	0.255089	2.26E-08
0.04268	-0.24483	8.39E-08	-0.24064	1.41E-07
8.43E-05	0.024734	0.59393	0.02492	0.59115
1.06E-05	-0.10564	0.02241	-0.00202	0.9653
0.05511	-0.21704	2.20E-06	-0.08537	0.0653
6.34E-06	0.204864	8.09E-06	-0.09312	0.04429
7.47E-07	-0.1281	0.00557	0.148391	0.0013
0.00029	-0.18778	4.44E-05	0.133089	0.00396
0.21803	-0.24272	1.09E-07	0.036272	0.43422
0.21733	-0.1898	3.66E-05	-0.02018	0.66365
1.21E-08	-0.08038	0.0827	0.249686	4.55E-08
0.39903	-0.28362	4.34E-10	-0.05982	0.19693
0.40793	-0.18148	8.01E-05	-0.07534	0.10394
2.45E-05	0.022278	0.63109	-0.08755	0.05869
0.04166	-0.08953	0.05319	0.164803	0.00035

8.10E-06	-0.06775	0.14376	0.12492	0.00687
1.97E-05	-0.1387	0.00267	0.155707	0.00073
0.00424	-0.14504	0.00167	-0.1643	0.00036
2.40E-05	-0.10057	0.02977	-0.05122	0.26936
0.00195	0.215231	2.68E-06	0.104805	0.02351
0.02119	-0.23577	2.55E-07	0.217672	2.05E-06
0.00065	0.009369	0.83998	0.036813	0.42739
1.18E-05	-0.14302	0.00195	0.113175	0.0144
0.03087	-0.09581	0.03849	0.031703	0.49433
0.04434	-0.18825	4.24E-05	-0.06898	0.13665
0.1916	-0.24093	1.36E-07	0.26155	9.63E-09
0.14735	-0.15747	0.00064	-0.05409	0.2434
0.92623	-0.12626	0.00629	-0.28184	5.63E-10
0.39038	-0.13035	0.00478	-0.15037	0.00112
0.00021	-0.02835	0.54105	-0.05361	0.24755
0.00063	-0.15244	0.00095	0.112028	0.01543
0.04736	0.11766	0.01094	-0.06466	0.16301
0.08165	0.162412	0.00043	0.06129	0.18611
2.06E-05	-0.06966	0.13279	0.07978	0.08503
0.00121	-0.21355	3.22E-06	0.083554	0.07124
0.63666	-0.20439	8.50E-06	0.047882	0.30181
0.00582	-0.25535	2.19E-08	0.102522	0.02673
0.89893	-0.20214	1.07E-05	-0.01071	0.81745
2.71E-06	-0.07515	0.10479	-0.04167	0.36888
0.02335	-0.19584	2.03E-05	0.043195	0.35165
0.14361	0.061503	0.18458	-0.08773	0.05816
9.84E-06	-0.13051	0.00473	0.053463	0.24888
0.02876	-0.19464	2.28E-05	0.185756	5.38E-05
0.03563	-0.20563	7.47E-06	0.099356	0.03182
0.84104	-0.15116	0.00105	-0.13562	0.00332
0.06043	-0.19044	3.44E-05	0.026601	0.56637
0.00082	0.113042	0.01452	-0.07993	0.08446
0.00167	-0.06857	0.13897	0.200957	1.21E-05
0.00085	0.037988	0.41278	-0.18153	7.97E-05
0.40207	-0.2251	8.89E-07	0.003898	0.93305
5.32E-05	-0.12788	0.00565	0.059849	0.19669
0.68744	-0.14083	0.00229	0.057609	0.214
0.57001	-0.20197	1.09E-05	-0.14093	0.00227
0.92418	-0.19457	2.30E-05	0.001894	0.96743
0.03182	-0.12105	0.00883	-0.16088	0.00048
0.00348	-0.00585	0.89966	0.002132	0.96334
2.01E-13	0.071698	0.1218	-0.34543	1.56E-14
0.00528	0.142259	0.00206	0.347832	9.98E-15
1.34E-09	-0.02249	0.62786	-0.1888	4.02E-05
0.00028	0.108834	0.01864	-0.03982	0.39063

0.00015	0.051704	0.26481	-0.0295	0.52486
0.24781	-0.05327	0.25057	-0.00077	0.9868
0.1281	-0.13883	0.00264	0.136618	0.00309
0.39866	-0.18441	6.10E-05	-0.08943	0.05344
4.34E-07	-0.14515	0.00166	0.254615	2.41E-08
0.02617	0.36977	1.41E-16	-0.06657	0.15093
0.27795	0.063021	0.17396	-0.01657	0.72099
0.00094	0.30322	2.18E-11	-0.09585	0.03841
5.55E-08	0.001952	0.96644	0.081367	0.07899
1.93E-09	0.054427	0.24044	0.024745	0.59376
0.83136	-0.13559	0.00333	0.049859	0.28226
0.08741	-0.1605	0.0005	0.108402	0.01912
0.98984	-0.13939	0.00254	-0.23125	4.36E-07
0.17264	-0.14518	0.00166	0.052216	0.2601
1.15E-05	-0.09353	0.04336	0.232771	3.64E-07
3.26E-05	-0.30362	2.05E-11	0.114517	0.01328
0.09748	-0.10333	0.02555	-0.45532	2.80E-25
0.00341	-0.18298	6.97E-05	0.219621	1.65E-06
0.00982	-0.02872	0.53578	-0.08068	0.08157
0.03597	-0.2906	1.54E-10	0.092826	0.04497
0.31378	-0.17845	0.00011	0.058848	0.20429
0.26597	0.007717	0.86791	-0.10219	0.02723
0.07963	-0.10149	0.0283	-0.14872	0.00127
0.04414	-0.16936	0.00024	0.085852	0.06378
0.39933	-0.04855	0.29512	-0.15641	0.00069
0.09163	-0.23627	2.40E-07	-0.01831	0.69314
0.54339	-0.12134	0.00867	0.070005	0.13088
0.00019	0.189425	3.79E-05	-0.23567	2.58E-07
0.69858	-0.16377	0.00038	-0.13506	0.00345
4.99E-06	-0.12958	0.00504	0.332778	1.54E-13
0.00934	0.17338	0.00017	-0.19088	3.29E-05
0.67315	0.211782	3.90E-06	0.055413	0.23201
0.15147	-0.1056	0.02247	-0.1688	0.00025
0.00288	-0.14709	0.00144	0.034434	0.45788
0.16991	-0.20154	1.14E-05	0.085409	0.06516
0.03519	-0.04897	0.29093	0.013534	0.77052
0.20894	-0.10775	0.01985	0.195489	2.10E-05
0.0041	-0.15442	0.00081	0.232353	3.83E-07
9.88E-05	0.049681	0.28399	0.131194	0.00451
0.01136	-0.09134	0.04854	-0.28723	2.54E-10
0.04575	-0.08359	0.07111	0.023628	0.61054
0.00864	-0.09912	0.03224	0.251688	3.52E-08
0.83195	-0.05525	0.23343	-0.1546	0.0008
0.00161	-0.22592	8.10E-07	-0.00815	0.86049
0.51558	-0.18016	9.05E-05	0.02543	0.58358



5.04E-09	-0.08081	0.08109	0.106456	0.0214
9.79E-14	0.223393	1.08E-06	0.106773	0.02101
3.02E-05	0.106733	0.02106	-0.10428	0.02423
0.42721	-0.17015	0.00022	-0.15539	0.00075
0.00564	-0.09668	0.03675	-0.03152	0.49688
0.32678	-0.07115	0.1247	0.061524	0.18443
0.00013	-0.16897	0.00024	0.032055	0.48954
0.00013	-0.04445	0.33783	0.207033	6.45E-06
0.00018	-0.11768	0.01093	0.031183	0.50143
3.66E-06	-0.0395	0.39446	-0.05114	0.27005
0.00336	-0.19994	1.34E-05	-0.23685	2.24E-07
0.00024	0.405552	6.47E-20	0.030129	0.51602
0.92541	0.155318	0.00076	-0.00457	0.9215
0.17135	-0.1126	0.01491	-0.13653	0.00311
0.41796	-0.28126	6.12E-10	-0.04376	0.34536
0.00084	-0.04353	0.34797	0.008041	0.86241
0.33052	-0.05421	0.24234	-0.21512	2.72E-06
0.5572	-0.179	0.0001	-0.0963	0.03749
0.09402	-0.13361	0.00382	-0.08065	0.08168
1.81E-05	-0.2187	1.83E-06	0.224771	9.24E-07
6.60E-12	-0.08452	0.06801	-0.30417	1.88E-11
8.28E-06	-0.16051	0.0005	0.061841	0.18217
0.0006	-0.05508	0.23484	0.001942	0.96661
0.00126	0.055542	0.23093	-0.1307	0.00467
0.04123	-0.13482	0.00351	0.111169	0.01624
0.01695	-0.17622	0.00013	0.129001	0.00524
0.02797	-0.10555	0.02254	0.107931	0.01965
0.46397	-0.13033	0.00479	-0.19741	1.73E-05
0.28658	0.101065	0.02898	0.017219	0.71054
0.1177	-0.08676	0.06101	0.010909	0.81412
3.66E-05	0.098028	0.03419	-0.04875	0.29313
1.77E-06	-0.08026	0.08317	-0.0102	0.82595
0.86285	-0.20303	9.78E-06	0.064396	0.16474
0.61034	0.104205	0.02432	0.133629	0.00382
0.90776	0.177861	0.00011	-0.16031	0.00051
0.00906	0.114185	0.01355	-0.21391	3.10E-06
8.20E-09	-0.07445	0.10811	0.049114	0.28953
0.2384	-0.14229	0.00205	0.084665	0.06755
0.02803	-0.17943	9.66E-05	0.080219	0.08333
0.31734	0.146096	0.00155	-0.04054	0.38202
0.05292	-0.07727	0.09536	-0.07689	0.09701
0.59491	-0.22303	1.13E-06	0.007021	0.87972
0.00151	0.009728	0.83394	0.016559	0.72116
0.0187	-0.2029	9.91E-06	-0.01079	0.81616
1.26E-08	-0.09908	0.03231	0.152819	0.00092

0.28406	0.027697	0.55048	0.036301	0.43385
0.07634	-0.02935	0.52695	-0.14091	0.00227
4.84E-05	-0.03367	0.46792	0.395554	6.10E-19
0.63517	-0.36459	3.97E-16	0.242588	1.11E-07
1.59E-09	0.009998	0.82939	0.033864	0.46536
0.71268	-0.13542	0.00337	-0.14022	0.00239
0.33478	0.18397	6.36E-05	-0.32857	3.22E-13
5.03E-05	-0.00678	0.88378	0.21448	2.91E-06
0.00239	-0.13016	0.00484	0.300054	3.59E-11
0.04711	-0.09293	0.04472	-0.11368	0.01397
9.98E-07	-0.18902	3.94E-05	0.241801	1.22E-07
0.58514	-0.25906	1.34E-08	-0.06415	0.16639
0.13625	-0.24902	4.95E-08	0.178822	0.0001
4.52E-26	0.593394	9.25E-46	0.081212	0.07957
1.86E-05	-0.00662	0.88658	0.252013	3.37E-08
9.31E-12	0.255307	2.20E-08	-0.0796	0.08574
0.02367	-0.1812	8.22E-05	0.035174	0.44827
0.44804	-0.21482	2.81E-06	0.150733	0.00109
0.70541	-0.17355	0.00016	0.129019	0.00523
0.03086	-0.034	0.46362	0.044767	0.33439
1.77E-07	0.094198	0.04188	-0.1219	0.00836
0.98472	-0.27344	1.88E-09	-0.0029	0.9501
0.0655	-0.27804	9.75E-10	0.126975	0.006
0.08783	-0.11793	0.01075	-0.15486	0.00079
0.13323	-0.11609	0.01206	-0.17251	0.00018
0.03594	-0.0624	0.17825	0.109885	0.01753
0.09272	-0.12435	0.00713	-0.08827	0.05664
0.50759	-0.08775	0.05812	-0.1594	0.00054
0.2855	-0.12688	0.00604	0.081751	0.07758
0.1034	-0.01598	0.73049	-0.42541	5.98E-22
0.07005	-0.02915	0.52975	-0.19966	1.38E-05
0.99225	-0.18278	7.10E-05	-0.01546	0.73889
0.48859	-0.1071	0.02062	0.134311	0.00364
0.04433	-0.2095	4.97E-06	0.109213	0.01823
0.00989	0.182248	7.46E-05	0.210258	4.59E-06
0.00719	-0.13575	0.00329	0.039485	0.39458
4.54E-07	-0.09751	0.03515	0.474522	1.35E-27
0.16586	-0.18356	6.60E-05	-0.18441	6.10E-05
0.50569	-0.10209	0.02738	0.029429	0.52582
0.81277	0.145224	0.00165	0.063479	0.17085
0.04067	0.204512	8.39E-06	-0.10776	0.01984
0.0424	0.07718	0.09574	-0.12888	0.00528
0.36728	0.230268	4.89E-07	-0.22275	1.16E-06
0.77195	-0.30755	1.09E-11	0.192907	2.70E-05
0.05264	-0.114	0.0137	-0.05892	0.20374

0.2026	-0.1241	0.00725	-0.16526	0.00034
0.00034	-0.11253	0.01497	0.023816	0.6077
3.04E-05	-0.18579	5.36E-05	0.137335	0.00294
0.22869	-0.09597	0.03816	0.236219	2.41E-07
1.78E-07	-0.15998	0.00052	0.168795	0.00025
0.00333	-0.2457	7.53E-08	0.178083	0.00011
0.0001	-0.13707	0.003	-0.50012	6.34E-31
0.00196	-0.05806	0.21046	0.065768	0.15591
0.00032	-0.10326	0.02565	-0.02276	0.6237
4.91E-05	0.095126	0.03989	-0.09754	0.0351
0.02136	-0.16443	0.00036	-0.10818	0.01937
0.00204	-0.16964	0.00023	0.210382	4.53E-06
0.02052	-0.26539	5.73E-09	0.037941	0.41335
0.17023	0.001074	0.98154	0.058867	0.20415
0.71731	-0.15546	0.00075	-0.15776	0.00062
2.25E-07	-0.14587	0.00157	0.090764	0.04997
0.05379	-0.17439	0.00015	0.000142	0.99756
1.59E-05	-0.07622	0.09997	0.350512	6.03E-15
0.41557	-0.06324	0.17246	-0.23193	4.02E-07
0.00404	-0.14686	0.00146	-0.36411	4.36E-16
0.00164	-0.13085	0.00462	-0.3026	2.41E-11
0.71517	-0.03639	0.43268	-0.00789	0.86495
0.01106	-0.03083	0.50634	0.107366	0.0203
0.24491	-0.21976	1.63E-06	-0.18268	7.17E-05
0.0004	-0.18776	4.44E-05	0.122532	0.00803
0.01776	-0.15769	0.00063	-0.33395	1.25E-13
3.62E-09	0.444854	4.46E-24	0.20666	6.71E-06
0.00023	-0.0513	0.26854	-0.08794	0.05757
0.37972	0.093567	0.04328	0.026322	0.57045
1.83E-07	-0.10563	0.02244	0.269865	3.09E-09
1.33E-06	0.029592	0.52353	0.191221	3.19E-05
0.0002	-0.09965	0.03132	0.292786	1.10E-10
0.02288	-0.08253	0.07478	-0.19154	3.09E-05
0.66282	-0.14543	0.00163	-0.01905	0.68136
2.08E-05	-0.17929	9.79E-05	0.190109	3.55E-05
0.01088	0.036241	0.4346	0.071929	0.1206
2.97E-06	-0.10751	0.02014	0.387992	3.16E-18
0.16648	-0.26397	6.95E-09	-0.01752	0.70564
0.1144	-0.18971	3.69E-05	-0.02836	0.54103
0.00482	-0.15511	0.00077	0.132841	0.00403
0.00544	-0.27295	2.01E-09	-0.16192	0.00044
0.00719	-0.17009	0.00022	0.049957	0.28132
0.0002	-0.16142	0.00046	0.272715	2.08E-09
0.00037	-0.20466	8.26E-06	-0.28774	2.36E-10
0.0311	-0.0595	0.19935	-0.09442	0.04139

0.58077	-0.1905	3.42E-05	-0.06608	0.15395
2.65E-06	-0.02103	0.65033	-0.04476	0.33446
1.52E-05	-0.16886	0.00025	0.379491	1.91E-17
0.09584	0.014105	0.76112	0.230814	4.59E-07
0.89797	-0.22028	1.53E-06	-0.09224	0.04634
0.68921	-0.20199	1.09E-05	0.032652	0.48149
2.62E-08	0.005822	0.90014	0.153913	0.00085
0.08972	-0.17284	0.00017	-0.00781	0.86635
9.37E-06	0.156675	0.00068	-0.04633	0.31776
0.0013	-0.16206	0.00044	0.095289	0.03955
0.00044	-0.21881	1.81E-06	0.108955	0.01851
0.00878	0.087238	0.0596	-0.11318	0.0144
1.57E-05	-0.0722	0.11923	-0.01783	0.70074
0.00908	-0.1608	0.00049	0.133844	0.00376
0.48137	-0.24221	1.16E-07	0.129847	0.00495
0.05681	-0.06833	0.14037	-0.03413	0.46181
0.00501	-0.11196	0.01549	0.037759	0.4156
0.64203	-0.00976	0.83344	0.286473	2.85E-10
4.85E-07	0.359233	1.14E-15	0.106765	0.02102
3.65E-06	-0.12381	0.00739	0.166798	0.00029
0.00019	-0.18011	9.09E-05	0.227766	6.54E-07
0.05527	0.044905	0.3329	0.092672	0.04533
0.11346	-0.1433	0.00191	-0.03072	0.50783
8.24E-05	-0.215	2.75E-06	0.153725	0.00086
0.29927	0.070469	0.12835	0.383704	7.89E-18
2.52E-09	-0.00078	0.98652	0.27068	2.76E-09
0.22216	-0.22568	8.32E-07	0.13058	0.00471
0.66886	-0.19454	2.30E-05	0.059909	0.19624
0.35995	-0.18133	8.12E-05	-0.04682	0.31263
0.04044	0.016775	0.71767	0.083969	0.06984
2.95E-06	0.026598	0.56641	0.08428	0.06881
0.25859	-0.15124	0.00104	-0.04807	0.29993
0.64641	-0.265	6.04E-09	0.164707	0.00035
0.00146	-0.11562	0.01241	-0.12066	0.00905
8.41E-05	-0.09073	0.05005	0.335494	9.51E-14
0.15528	-0.22116	1.39E-06	-0.07201	0.1202
0.67575	-0.25115	3.77E-08	0.132727	0.00406
0.00457	-0.21767	2.05E-06	0.084091	0.06944
0.19904	-0.1275	0.00579	0.002989	0.94863
0.36623	0.071348	0.12364	0.080312	0.08297
0.00013	-0.1398	0.00246	0.005309	0.90891
0.34178	0.114599	0.01321	-0.04715	0.30924
9.82E-05	0.239833	1.56E-07	0.245076	8.14E-08
0.00147	-0.15845	0.00059	0.026105	0.57362
0.03753	0.020269	0.66219	0.036341	0.43334

0.24592	-0.13919	0.00257	0.086762	0.06101
0.63815	-0.24983	4.46E-08	0.203469	9.35E-06
3.58E-06	0.015291	0.74173	-0.08717	0.05979
0.00019	-0.09235	0.04608	0.159207	0.00055
0.00797	-0.22619	7.85E-07	0.042978	0.35408
0.00523	0.046751	0.31339	0.260359	1.13E-08
0.02245	-0.1319	0.0043	0.198273	1.59E-05
0.73067	-0.22911	5.60E-07	0.089624	0.05293
0.074	-0.15704	0.00066	0.161869	0.00045
0.44131	-0.16751	0.00028	-0.09448	0.04128
0.50207	-0.19886	1.50E-05	-0.13993	0.00244
3.62E-06	-0.09017	0.05149	0.10881	0.01867
0.00642	-0.01901	0.68194	0.0017	0.97077
0.04787	0.184539	6.03E-05	0.13556	0.00333
0.21452	-0.19975	1.37E-05	-0.13966	0.00249
0.036	-0.27129	2.54E-09	0.041073	0.37584
0.1373	0.194412	2.33E-05	-0.06184	0.18217
0.00892	-0.12025	0.00929	0.008126	0.86097
0.41516	-0.20683	6.59E-06	-0.06827	0.14075
3.71E-06	-0.06337	0.17156	0.419332	2.59E-21
0.02331	-0.12451	0.00706	0.175282	0.00014
0.00545	-0.09043	0.05083	0.106471	0.02138
0.97587	-0.25724	1.71E-08	-0.04144	0.37161
0.00852	-0.09851	0.03331	0.187783	4.44E-05
0.71225	0.077535	0.09422	0.173441	0.00017
0.42647	-0.19888	1.49E-05	-0.12961	0.00503
0.03271	-0.16587	0.00032	-0.03277	0.47984
0.00012	-0.0583	0.20857	-0.06997	0.13107
7.60E-08	-0.05226	0.25972	0.106773	0.02101
0.89163	-0.16779	0.00027	-0.16967	0.00023
1.92E-07	-0.02438	0.5992	0.176613	0.00012
0.00033	-0.10219	0.02724	0.041034	0.37629
0.25559	-0.09557	0.03898	0.016217	0.72668
0.06815	-0.08474	0.0673	-0.08073	0.08137
1.55E-09	0.075708	0.10225	0.186637	4.95E-05
0.04354	-0.30817	9.88E-12	-0.11655	0.01172
0.00068	-0.22683	7.29E-07	0.126541	0.00618
1.10E-08	0.417339	4.17E-21	0.225333	8.66E-07
0.83652	0.073696	0.11173	0.183842	6.43E-05
8.98E-09	-0.17426	0.00015	0.237355	2.10E-07
0.74124	-0.22192	1.28E-06	0.100154	0.03046
2.07E-06	-0.105	0.02325	0.031278	0.50014
0.14854	0.136452	0.00313	0.342869	2.50E-14
1.72E-10	0.125265	0.00672	0.035836	0.43976
0.00063	-0.13503	0.00346	0.199683	1.38E-05

1.18E-06	-0.07896	0.0883	0.379252	2.01E-17
1.05E-11	-0.01419	0.75978	0.09691	0.0363
0.00906	-0.17663	0.00012	-0.19036	3.46E-05
0.59869	-0.19176	3.02E-05	-0.10698	0.02076
0.27791	-0.20117	1.18E-05	-0.06219	0.17974
0.04083	-0.1622	0.00043	-0.0222	0.63222
0.26868	-0.20811	5.76E-06	-0.04103	0.37632
0.11446	-0.145	0.00168	-0.08143	0.07876
0.12371	0.149216	0.00122	0.226162	7.88E-07
0.1472	0.103015	0.02601	0.003118	0.94643
0.05997	-0.18085	8.49E-05	-0.12035	0.00923
0.58081	-0.18033	8.90E-05	0.209518	4.96E-06
0.36068	0.404751	7.77E-20	-0.15879	0.00057
8.09E-10	-0.01017	0.82651	0.274456	1.63E-09
0.01958	0.028481	0.53924	-0.03339	0.47167
9.84E-06	-0.14098	0.00226	0.116361	0.01186
0.08757	-0.22951	5.34E-07	0.233828	3.21E-07
3.88E-06	-0.11251	0.01499	0.247447	6.04E-08
5.23E-08	-0.211	4.24E-06	0.263601	7.30E-09
0.20756	-0.18197	7.66E-05	-0.09837	0.03356
1.16E-05	-0.21933	1.71E-06	0.184762	5.90E-05
2.50E-07	-0.13567	0.00331	0.074527	0.10773
0.00129	-0.0912	0.04888	0.262945	7.98E-09
0.07684	-0.28405	4.08E-10	0.142265	0.00206
0.0098	0.108739	0.01875	-0.12644	0.00622
4.34E-05	-0.02398	0.60526	0.183149	6.86E-05
0.81541	-0.14653	0.0015	-0.11928	0.00988
0.00389	-0.15839	0.00059	0.013666	0.76833
0.32037	-0.02886	0.53382	-0.12443	0.0071
0.00034	-0.09523	0.03968	0.00545	0.9065
0.11425	-0.06655	0.15106	-0.21057	4.43E-06
0.00383	-0.08995	0.05206	0.183004	6.96E-05
1.73E-05	0.069215	0.1353	0.261219	1.01E-08
0.17003	-0.14968	0.00118	0.110686	0.01672
0.46395	0.024018	0.60465	-0.1096	0.01782
0.74218	0.063313	0.17197	0.111392	0.01603
1.36E-08	0.047425	0.30646	0.079421	0.08645
3.07E-06	0.001632	0.97195	-0.01032	0.824
1.29E-05	-0.026	0.57523	0.218274	1.92E-06
0.0014	0.185978	5.26E-05	-0.21824	1.92E-06
8.66E-05	-0.15382	0.00085	0.060313	0.19323
0.00358	-0.18411	6.28E-05	0.057222	0.2171
0.02532	-0.14921	0.00122	-0.09735	0.03546
0.07958	-0.13504	0.00346	-0.11428	0.01347
0.99709	-0.1711	0.0002	0.182224	7.48E-05

5.82E-05	-0.08211	0.07629	-0.06947	0.13388
0.00042	-0.22662	7.47E-07	0.141459	0.00218
3.41E-07	-0.01773	0.70234	0.012403	0.78922
0.49454	-0.29133	1.38E-10	0.246478	6.83E-08
4.61E-09	-0.14687	0.00146	0.427173	3.89E-22
0.00986	0.003822	0.93435	0.205798	7.34E-06
7.65E-05	-0.04324	0.35119	0.050743	0.27381
0.01231	0.24776	5.81E-08	-0.01717	0.71135
0.00146	-0.1485	0.00129	-0.31586	2.81E-12
0.07174	-0.20147	1.15E-05	0.40386	9.51E-20
0.08584	0.018136	0.69587	0.075367	0.10381
0.00536	-0.21932	1.71E-06	0.057343	0.21613
0.00077	-0.10038	0.03009	-0.03418	0.46114
3.19E-05	-0.20537	7.68E-06	0.182831	7.07E-05
0.16269	-0.19617	1.96E-05	-0.33096	2.12E-13
0.23886	-0.12256	0.00801	0.007347	0.87418
0.68666	-0.24995	4.40E-08	0.039194	0.39809
0.48342	-0.26437	6.58E-09	-0.00527	0.90954
5.31E-05	-0.08369	0.07078	0.299747	3.77E-11
0.31977	-0.26672	4.78E-09	0.01021	0.82584
0.00304	-0.24552	7.70E-08	0.225758	8.25E-07
0.00056	-0.20407	8.79E-06	0.309706	7.71E-12
0.09548	-0.21267	3.54E-06	-0.05249	0.25762
0.07392	-0.19065	3.37E-05	0.083071	0.0729
0.07384	-0.22119	1.38E-06	0.080058	0.08395
0.43809	0.134992	0.00347	0.235748	2.55E-07
9.25E-07	-0.03544	0.44487	0.158731	0.00058
0.287	-0.13869	0.00267	-0.19182	3.01E-05
3.83E-07	-0.12683	0.00606	0.054743	0.23772
2.91E-07	-0.17831	0.00011	0.148491	0.00129
0.22174	-0.28471	3.70E-10	0.259628	1.24E-08
0.50875	-0.17906	1.00E-04	-0.16692	0.00029
0.27979	-0.16745	0.00028	0.056071	0.2265
0.30324	0.386203	4.64E-18	-0.18863	4.09E-05
0.72112	-0.201	1.21E-05	-0.16679	0.00029
0.53533	-0.15672	0.00068	0.077361	0.09496
0.06146	0.265468	5.67E-09	-0.05592	0.22773
0.87743	-0.21383	3.12E-06	-0.028	0.54618
0.00051	-0.06169	0.18324	-0.21994	1.59E-06
0.51564	-0.13723	0.00296	-0.17566	0.00014
0.52819	-0.16309	0.0004	-0.0086	0.85303
0.42187	-0.17075	0.00021	-0.24754	5.98E-08
1.91E-05	-0.06513	0.15998	-0.02563	0.58062
0.19895	-0.11755	0.01101	-0.11046	0.01694
0.00265	-0.04782	0.30245	0.021083	0.64952

0.00074	-0.04518	0.32995	0.161511	0.00046
0.12405	-0.15776	0.00062	0.025431	0.58357
0.12385	-0.22398	1.01E-06	0.098016	0.03421
0.00934	-0.14887	0.00125	0.012181	0.7929
0.42409	-0.22651	7.57E-07	-0.21936	1.70E-06
0.01228	-0.09483	0.04052	0.090307	0.05114
0.07458	-0.06885	0.13739	-0.00697	0.88065
0.1818	0.211545	4.00E-06	0.064363	0.16495
0.00042	-0.20736	6.24E-06	0.199017	1.47E-05
3.84E-05	-0.21829	1.92E-06	-0.29398	9.20E-11
0.00542	-0.25652	1.88E-08	-0.17842	0.00011
0.5407	-0.12675	0.00609	-0.24763	5.91E-08
0.52313	-0.11613	0.01202	-0.02781	0.5489
0.01144	-0.21753	2.08E-06	-0.08989	0.05222
0.0065	-0.08041	0.08259	-0.03492	0.4516
0.0162	-0.21345	3.25E-06	0.108203	0.01934
5.35E-07	-0.02163	0.64102	0.07412	0.10967
8.48E-05	-0.08365	0.0709	0.254062	2.59E-08
8.96E-05	0.005825	0.9001	-0.05238	0.25862
0.00103	0.071244	0.12419	-0.24059	1.42E-07
0.19374	-0.03333	0.47239	-0.08558	0.06462
0.02032	-0.12884	0.00529	0.08051	0.08221
0.0005	0.139365	0.00254	0.310014	7.33E-12
0.64305	-0.13751	0.0029	0.052819	0.25463
0.49065	-0.10639	0.02148	-0.08829	0.05657
0.07831	0.078993	0.08817	-0.13032	0.00479
3.18E-09	0.418901	2.87E-21	0.042661	0.35765
1.48E-05	0.21051	4.46E-06	0.344373	1.90E-14
0.61352	-0.20376	9.07E-06	-0.19425	2.37E-05
0.81741	0.262634	8.32E-09	-0.15501	0.00078
0.00073	-0.07998	0.08427	0.437719	2.79E-23
0.67551	0.258939	1.36E-08	-0.04659	0.31504
0.25357	-0.25535	2.19E-08	0.052759	0.25518
6.05E-08	-0.12317	0.0077	0.226572	7.51E-07
0.99979	-0.1455	0.00162	-0.29683	5.93E-11
0.03743	-0.05051	0.27602	-0.2642	6.74E-09
0.76657	-0.12371	0.00744	-0.0478	0.3026
8.46E-05	0.027009	0.56043	0.177137	0.00012
0.20236	-0.22764	6.64E-07	-0.0085	0.85458
2.15E-05	0.02227	0.63121	-0.18152	7.98E-05
0.00337	0.047612	0.30455	-0.03217	0.48797
1.60E-07	-0.03113	0.50221	0.336285	8.25E-14
0.04034	-0.20545	7.62E-06	-0.09515	0.03984
0.03627	-0.12226	0.00817	-0.12482	0.00692
0.00024	-0.05531	0.2329	0.031364	0.49896



3.19E-07	0.046999	0.31083	-0.16849	0.00025
1.06E-06	0.012946	0.78022	-0.03236	0.48549
0.18765	-0.11129	0.01612	0.061425	0.18514
0.50565	-0.00934	0.84043	0.212094	3.77E-06
0.07305	-0.09962	0.03136	0.07216	0.11942
1.11E-06	-0.0318	0.493	-0.16446	0.00036
0.8195	-0.21709	2.19E-06	0.229281	5.49E-07
0.00076	-0.14068	0.00231	0.036129	0.43603
2.47E-07	-0.10156	0.0282	0.243583	9.81E-08
0.00194	-0.16511	0.00034	0.226565	7.52E-07
0.42933	-0.12201	0.00831	-0.30724	1.15E-11
1.35E-09	-0.08971	0.05271	0.293344	1.01E-10
1.26E-11	-0.07593	0.10127	0.3887	2.72E-18
0.00327	-0.21612	2.43E-06	0.294796	8.11E-11
0.10636	-0.22155	1.33E-06	-0.08677	0.06098
8.76E-08	-0.13213	0.00423	0.257438	1.66E-08
6.12E-06	-0.0833	0.07213	0.036582	0.43029
0.0004	-0.27075	2.73E-09	0.083551	0.07125
1.18E-15	0.155609	0.00074	0.010826	0.8155
0.78766	-0.19229	2.87E-05	-0.19545	2.10E-05
0.25609	-0.11013	0.01728	-0.10359	0.02519
0.00178	-0.09052	0.05059	-0.02536	0.58455
0.07782	-0.25	4.37E-08	0.070536	0.12798
0.62726	-0.2185	1.87E-06	0.053598	0.24768
0.69781	-0.26735	4.38E-09	-0.04295	0.35441
0.16213	-0.02357	0.61138	-0.10475	0.02358
0.05889	-0.22544	8.56E-07	-0.04906	0.29002
0.01398	-0.16787	0.00027	-0.02621	0.5721
3.20E-11	-0.09525	0.03963	0.185622	5.44E-05
6.58E-11	-0.06365	0.16968	0.160971	0.00048
0.07578	-0.1812	8.22E-05	0.255913	2.03E-08
0.00467	-0.14018	0.0024	-0.04146	0.37134
0.49165	-0.12066	0.00905	-0.09742	0.03532
0.00088	-0.0743	0.10882	0.075054	0.10526
0.01951	-0.18617	5.17E-05	-0.00032	0.99444
0.01155	-0.17893	0.0001	0.053266	0.25063
0.74625	0.048886	0.29177	0.12419	0.00721
0.0978	-0.0769	0.09694	-0.06844	0.13976
0.00045	-0.20901	5.24E-06	0.243067	1.05E-07
0.74196	-0.17202	0.00019	-0.18419	6.23E-05
5.41E-10	-0.13146	0.00443	0.292206	1.20E-10
0.0004	-0.15806	0.00061	0.115444	0.01254
0.00202	-0.13157	0.0044	0.270864	2.69E-09
0.91951	-0.0586	0.2062	-0.082	0.07669
0.00033	-0.03004	0.51729	-0.06023	0.19386

4.95E-07	-0.22168	1.31E-06	0.229815	5.16E-07
0.00464	-0.23146	4.25E-07	0.187427	4.59E-05
0.68611	-0.2209	1.43E-06	-0.13473	0.00353
0.00927	0.151007	0.00106	-0.19863	1.53E-05
0.0008	-0.18331	6.76E-05	0.048575	0.29486
0.12306	-0.06758	0.14482	0.014993	0.74658
0.00068	-0.20628	6.98E-06	0.169673	0.00023
0.53978	-0.1462	0.00154	-0.01613	0.7281
0.04334	-0.15626	0.0007	0.224587	9.43E-07
8.09E-09	-0.14312	0.00193	0.187665	4.49E-05
0.9844	-0.15174	0.001	-0.1273	0.00587
4.89E-17	0.147899	0.00135	0.233838	3.21E-07
0.00019	-0.19082	3.31E-05	0.24856	5.25E-08
0.01167	-0.1359	0.00325	-0.15823	0.0006
5.79E-05	-0.08239	0.07529	0.160711	0.00049
0.0414	-0.21708	2.19E-06	0.280382	6.96E-10
0.54722	-0.11507	0.01284	-0.34832	9.11E-15
1.46E-06	-0.01145	0.80511	0.044032	0.34239
0.00481	-0.20362	9.21E-06	0.030554	0.51012
0.00047	0.151379	0.00103	-0.44222	8.82E-24
0.00027	0.025467	0.58303	-0.24557	7.65E-08
0.55093	-0.1089	0.01857	-0.13935	0.00254
0.05966	-0.14246	0.00203	0.099514	0.03155
3.36E-14	-0.00372	0.93616	0.235842	2.53E-07
0.01924	-0.15816	0.0006	0.2628	8.14E-09
3.06E-06	-0.14535	0.00164	-0.02951	0.52465
0.00137	-0.19461	2.29E-05	0.027941	0.54696
5.47E-07	0.009665	0.83499	-0.11623	0.01195
0.05703	0.275405	1.42E-09	0.156842	0.00067
0.23576	0.111903	0.01555	-0.07254	0.11745
0.08039	-0.18031	8.92E-05	0.098414	0.03349
0.78758	-0.23182	4.08E-07	0.023872	0.60686
0.70982	-0.16201	0.00044	-0.17349	0.00016
0.70111	0.077535	0.09422	0.279587	7.81E-10
0.51294	-0.09903	0.03239	0.138333	0.00274
0.88688	-0.19504	2.19E-05	-0.02698	0.5608
0.06618	-0.18949	3.77E-05	0.044172	0.34086
0.85477	-0.03575	0.44084	-0.38248	1.02E-17
0.00112	-0.05688	0.21983	0.150727	0.00109
0.24363	0.066333	0.15237	0.144523	0.00174
0.00029	-0.05525	0.23336	-0.02744	0.55414
0.00586	-0.09452	0.04118	-0.06854	0.13915
0.10511	-0.07532	0.10404	0.092045	0.04681
1.32E-11	-0.09456	0.0411	0.248085	5.57E-08
0.00912	-0.14044	0.00235	0.044513	0.33714

2.31E-11	-0.07023	0.12967	0.308254	9.75E-12
0.3954	-0.18535	5.59E-05	0.096118	0.03786
0.00436	-0.20712	6.40E-06	0.020237	0.66269
0.00017	0.078441	0.09042	-0.00017	0.99713
0.11285	-0.10383	0.02484	-0.23993	1.54E-07
0.28799	-0.21882	1.81E-06	0.079306	0.08691
0.16272	-0.1319	0.0043	0.255004	2.29E-08
0.0021	-0.12178	0.00843	0.16102	0.00048
0.04612	-0.27143	2.49E-09	-0.1536	0.00087
2.25E-05	-0.12207	0.00827	0.142689	0.00199
0.05545	-0.15252	0.00094	0.012125	0.79384
4.41E-07	-0.11531	0.01265	0.114369	0.0134
0.27982	-0.10816	0.01939	-0.13108	0.00455
0.39552	-0.11884	0.01016	0.073997	0.11027
0.24047	-0.01909	0.68076	0.35252	4.13E-15
9.93E-07	-0.13472	0.00354	0.175476	0.00014
0.38771	-0.17061	0.00021	-0.01397	0.76333
0.75104	-0.13187	0.00431	-0.14668	0.00148
0.19643	-0.16089	0.00048	0.047906	0.30157
0.54853	-0.13532	0.00339	0.002929	0.94967
0.05461	-0.23082	4.58E-07	-0.17183	0.00019
0.00018	-0.18845	4.16E-05	-0.18903	3.94E-05
2.15E-32	0.350562	5.98E-15	-0.03564	0.44225
5.50E-05	-0.15099	0.00106	0.177329	0.00012
0.30323	0.086456	0.06193	0.057725	0.21308
0.80649	-0.20929	5.09E-06	-0.22952	5.34E-07
0.18022	-0.19757	1.70E-05	0.09445	0.04133
0.00453	-0.18786	4.40E-05	0.282035	5.47E-10
0.64743	0.101616	0.02811	0.103599	0.02517
0.23228	-0.14164	0.00215	-0.14325	0.00191
0.14027	-0.08857	0.05579	0.489178	1.81E-29
0.03526	-0.01293	0.78047	0.014327	0.75748
0.12037	-0.10713	0.02059	-0.16614	0.00031
3.16E-05	-0.09926	0.03198	0.39472	7.33E-19
0.15538	-0.09684	0.03644	0.001998	0.96565
5.41E-05	-0.08648	0.06186	0.018881	0.68404
7.54E-08	1.74E-05	0.9997	0.321075	1.17E-12
0.12033	-0.20563	7.47E-06	0.005324	0.90865
0.44456	0.145567	0.00161	-0.06295	0.17443
8.32E-06	-0.0834	0.07176	0.052114	0.26104
0.0031	0.102156	0.02728	-0.06905	0.13626
0.91908	-0.10428	0.02422	-0.08423	0.06898
0.00089	-0.01726	0.70993	0.036621	0.42981
0.0053	-0.19274	2.75E-05	0.030298	0.51366
0.16938	-0.24144	1.28E-07	-0.12709	0.00596

0.00048	-0.21361	3.20E-06	0.391974	1.34E-18
0.99948	-0.12478	0.00694	-0.30737	1.12E-11
0.14005	0.097984	0.03427	-0.12724	0.0059
0.93746	-0.11336	0.01424	-0.15624	0.0007
0.09751	0.107258	0.02043	0.052117	0.26101
1.37E-07	0.109714	0.0177	-0.24115	1.32E-07
0.15045	-0.14944	0.0012	0.142709	0.00199
0.08771	-0.11886	0.01015	-0.15323	0.00089
0.00059	-0.13063	0.00469	0.177691	0.00011
0.01686	-0.08357	0.07119	0.259832	1.21E-08
0.51288	0.246027	7.23E-08	-0.14701	0.00144
0.09781	0.015119	0.74453	0.029487	0.525
0.01082	-0.17252	0.00018	-0.26464	6.35E-09
0.00213	-0.11349	0.01413	0.111119	0.01629
0.52816	-0.17294	0.00017	0.144581	0.00173
4.50E-06	-0.02528	0.58576	-0.17257	0.00018
0.01075	-0.1046	0.02378	-0.18494	5.80E-05
2.13E-10	0.01844	0.69103	0.446194	3.15E-24
0.61765	-0.10752	0.02012	-0.20583	7.32E-06
0.49582	-0.143	0.00195	-0.12037	0.00922
0.85844	0.220368	1.52E-06	-0.12231	0.00815
0.52665	-0.19534	2.13E-05	-0.0628	0.17547
0.44426	-0.16077	0.00049	0.135036	0.00346
0.26693	-0.06883	0.13751	0.261488	9.71E-09
2.78E-08	-0.11961	0.00968	0.095475	0.03917
0.12435	0.175147	0.00014	-0.21537	2.64E-06
0.14328	-0.14998	0.00115	0.039017	0.40022
0.00859	-0.14587	0.00157	0.02484	0.59235
0.98684	0.124149	0.00723	0.320311	1.33E-12
8.70E-06	-0.02554	0.58188	0.421078	1.71E-21
0.00592	0.209336	5.06E-06	-0.2583	1.48E-08
0.15348	0.239253	1.67E-07	0.019708	0.67098
0.07593	-0.13061	0.0047	-0.05928	0.201
0.03206	-0.12477	0.00694	0.089407	0.05351
0.02392	-0.16898	0.00024	-0.12553	0.0066
0.02095	-0.17616	0.00013	-0.03576	0.44076
0.35327	-0.16336	0.00039	-0.1751	0.00014
0.00062	-0.27489	1.53E-09	-0.14822	0.00132
0.54133	-0.20102	1.20E-05	0.047076	0.31003
0.35859	0.028959	0.53245	0.179593	9.52E-05
0.00787	-0.23025	4.90E-07	0.026399	0.56932
5.02E-13	0.031593	0.49582	0.195366	2.12E-05
5.36E-21	0.309201	8.37E-12	-0.15205	0.00098
2.30E-07	0.058171	0.20956	0.076949	0.09673
0.83114	-0.05133	0.26833	-0.00632	0.89167

0.00164	-0.12383	0.00738	-0.04736	0.30712
0.19982	-0.23556	2.61E-07	-0.06963	0.13297
0.4902	0.05165	0.26532	0.370217	1.29E-16
1.77E-05	-0.12134	0.00867	0.18834	4.21E-05
0.24488	0.062397	0.17827	0.229096	5.61E-07
0.35354	-0.20013	1.32E-05	-0.20356	9.26E-06
0.8988	-0.11354	0.01409	-0.2792	8.25E-10
0.00048	0.067157	0.14733	-0.1468	0.00147
0.03221	-0.21537	2.64E-06	0.119922	0.00949
8.11E-06	-0.19609	1.98E-05	0.382755	9.65E-18
0.036	0.27419	1.69E-09	-0.3647	3.88E-16
0.09506	-0.20158	1.14E-05	0.29738	5.45E-11
0.11658	0.128516	0.00541	0.139952	0.00244
0.01404	0.228414	6.07E-07	-0.21335	3.29E-06
0.49074	-0.14617	0.00154	-0.04414	0.34116
0.00198	-0.10327	0.02564	0.251881	3.43E-08
0.79497	-0.30432	1.83E-11	0.099385	0.03177
0.25884	-0.29203	1.24E-10	-0.00877	0.85014
0.04773	-0.19748	1.72E-05	0.050653	0.27466
0.04029	-0.10721	0.02049	-0.05272	0.25554
1.75E-05	0.143817	0.00183	-0.17139	0.0002
0.1204	-0.20065	1.25E-05	0.128565	0.0054
0.75732	0.233144	3.48E-07	-0.12233	0.00813
0.00068	-0.10516	0.02304	0.229534	5.33E-07
4.92E-05	0.056529	0.22273	-0.10126	0.02867
0.09269	-0.0519	0.26302	0.025619	0.58079
7.42E-06	-0.08299	0.07317	-0.08705	0.06015
0.00131	0.074553	0.10761	0.11858	0.01033
0.00064	0.279349	8.08E-10	0.181502	7.99E-05
0.10464	-0.11794	0.01075	0.132828	0.00403
0.42179	-0.25021	4.25E-08	-0.08153	0.07841
0.03052	-0.17509	0.00014	-0.02899	0.53203
0.7552	-0.10761	0.02002	-0.09597	0.03816
0.70829	-0.14128	0.00221	-0.28393	4.15E-10
1.40E-15	-0.00039	0.9933	0.189579	3.73E-05
0.01903	-0.21521	2.69E-06	-0.06775	0.14376
0.91115	0.141916	0.00211	0.166154	0.00031
0.01662	-0.00972	0.83399	-0.3324	1.65E-13
0.82663	0.083807	0.07039	0.188859	4.00E-05
0.05677	-0.21517	2.70E-06	0.189684	3.70E-05
0.54981	-0.22203	1.26E-06	-0.18391	6.40E-05
0.00021	-0.17168	0.00019	0.133846	0.00376
0.06407	-0.16896	0.00024	0.036587	0.43023
0.00282	0.106063	0.02188	-0.08716	0.05983
0.4986	0.125031	0.00682	0.224353	9.69E-07

0.41693	0.07447	0.10801	0.377058	3.17E-17
0.00018	-0.11642	0.01181	0.100468	0.02995
0.32803	-0.17747	0.00012	0.038945	0.40109
2.12E-10	-0.02454	0.59679	-0.03391	0.4647
3.13E-08	-0.06488	0.16159	0.078588	0.08981
0.01541	-0.11839	0.01045	-0.26142	9.80E-09
1.96E-09	-0.07621	0.09999	0.087662	0.05836
0.00146	0.011882	0.79787	0.168684	0.00025
0.00238	-0.15695	0.00066	0.021263	0.64673
0.13651	-0.18116	8.25E-05	-0.08551	0.06483
0.00163	-0.2242	9.86E-07	0.372719	7.74E-17
0.11721	-0.12164	0.0085	-0.30416	1.88E-11
0.34255	-0.18254	7.27E-05	-0.20596	7.22E-06
0.07588	-0.11087	0.01654	-0.16027	0.00051
0.76259	-0.11349	0.01413	-0.13273	0.00406
5.46E-13	0.023522	0.61213	0.442962	7.29E-24
0.43791	-0.08404	0.06961	-0.04821	0.2985
5.65E-06	0.035452	0.44468	0.050484	0.27627
0.45792	-0.08494	0.06666	0.231207	4.38E-07
5.62E-08	-0.07566	0.10248	0.05982	0.19691
0.75443	0.033157	0.47473	0.130441	0.00475
1.13E-06	0.06419	0.16609	0.136236	0.00318
0.01386	-0.13832	0.00274	-0.06851	0.13931
0.09166	0.011694	0.80102	-0.28075	6.60E-10
0.0082	-0.05982	0.19687	-0.09228	0.04624
0.47875	0.064605	0.16337	0.211177	4.16E-06
0.51733	-0.16937	0.00024	-0.11699	0.0114
0.2072	-0.21265	3.55E-06	0.07487	0.10612
0.00532	-0.17416	0.00016	-0.06019	0.19415
0.00107	-0.16265	0.00042	0.29363	9.70E-11
0.01592	-0.07162	0.12223	-0.38854	2.81E-18
2.32E-05	-0.03803	0.41229	0.217557	2.08E-06
0.23156	-0.20947	4.99E-06	0.130486	0.00474
0.47723	-0.17764	0.00011	-0.15982	0.00053
1.75E-10	0.058362	0.20806	-0.04386	0.34424
0.00011	-0.21545	2.62E-06	-0.12227	0.00817
0.45489	-0.19345	2.56E-05	-0.1125	0.015
0.06557	-0.15499	0.00078	0.000538	0.99075
0.00869	-0.12649	0.0062	0.051522	0.2665
0.22209	-0.15564	0.00074	0.142188	0.00207
0.00062	-0.16051	0.0005	-0.02134	0.64548
4.94E-05	-0.05439	0.24075	-0.06996	0.13112
0.15283	-0.18931	3.83E-05	-0.02417	0.60235
0.01537	-0.09957	0.03146	0.116312	0.01189
0.08657	-0.1488	0.00126	0.059286	0.20094

0.00866	0.010455	0.82172	0.175129	0.00014
0.52463	0.010432	0.82211	-0.16523	0.00034
0.28211	-0.26205	9.00E-09	-0.01518	0.74348
0.00231	-0.10002	0.0307	0.187818	4.42E-05
0.0591	-0.14234	0.00205	-0.08484	0.067
0.01689	-0.0877	0.05825	-0.11951	0.00974
0.0006	-0.17171	0.00019	0.037998	0.41266
5.97E-15	0.037357	0.42058	0.115814	0.01226
0.006	-0.20313	9.68E-06	0.089475	0.05333
0.00183	-0.05775	0.21292	0.28562	3.23E-10
0.00011	0.009888	0.83124	0.161524	0.00046
0.01029	-0.19206	2.94E-05	0.124872	0.0069
0.90545	-0.14442	0.00175	-0.23992	1.54E-07
9.00E-05	-0.19712	1.78E-05	0.13869	0.00267
0.91865	-0.17343	0.00017	0.023108	0.61842
0.00115	-0.13536	0.00338	0.026319	0.57049
4.43E-05	-0.17603	0.00013	0.121874	0.00838
3.69E-05	-0.0886	0.0557	0.144055	0.0018
0.00152	0.049756	0.28326	-0.07699	0.09654
0.05593	-0.17724	0.00012	-0.06008	0.19496
0.53888	-0.23264	3.70E-07	0.153508	0.00087
0.08071	-0.24755	5.97E-08	0.288804	2.01E-10
0.05767	-0.18228	7.44E-05	0.067659	0.14433
7.86E-06	-0.13804	0.0028	0.182031	7.61E-05
0.00155	0.012351	0.79009	-0.04588	0.32247
0.00088	-0.29156	1.33E-10	-0.05421	0.24228
0.99383	-0.20037	1.28E-05	0.081789	0.07745
0.00521	-0.09874	0.03289	0.168018	0.00027
0.18914	-0.16941	0.00024	0.055316	0.23283
0.58189	-0.14152	0.00217	0.059565	0.19883
0.00253	-0.09054	0.05054	-0.02653	0.56745
2.58E-13	0.134487	0.00359	-0.16143	0.00046
0.87825	-0.14336	0.0019	-0.12523	0.00673
0.19465	-0.02819	0.54346	-0.28088	6.48E-10
0.07423	-0.22053	1.49E-06	-0.07646	0.09886
0.05901	0.170356	0.00022	-0.2025	1.03E-05
0.19242	-0.083	0.07314	-0.23278	3.64E-07
1.03E-05	-0.12265	0.00797	0.072049	0.11998
0.05937	0.187262	4.66E-05	-0.12615	0.00634
0.03362	0.09121	0.04885	0.035657	0.44206
0.00045	-0.08687	0.06069	0.069055	0.13621
0.64126	-0.14058	0.00233	-0.10982	0.0176
0.98294	-0.25718	1.72E-08	0.000717	0.98768
0.00038	-0.20531	7.73E-06	0.040263	0.38533
2.95E-05	-0.01289	0.78108	0.399179	2.73E-19

0.03094	0.020853	0.65309	0.043214	0.35144
0.06368	-0.2242	9.86E-07	0.009932	0.83049
0.02741	-0.16972	0.00023	-0.01867	0.68736
3.34E-05	-0.09685	0.03642	0.07823	0.09129
0.39554	-0.18877	4.04E-05	-0.08492	0.06673
0.00015	-0.13718	0.00297	0.122888	0.00785
0.70926	-0.20155	1.14E-05	-0.03546	0.44459
0.01617	-0.17529	0.00014	0.234007	3.14E-07
0.00123	-0.12997	0.00491	0.457242	1.67E-25
3.68E-05	-0.17858	0.0001	0.340903	3.58E-14
0.11686	-0.15483	0.00079	-0.10748	0.02016
8.53E-07	-0.1795	9.61E-05	0.26315	7.76E-09
0.6585	-0.25561	2.11E-08	-0.00479	0.91777
8.81E-08	-0.14277	0.00198	0.201493	1.15E-05
0.98197	-0.16478	0.00035	-0.15372	0.00086
5.83E-07	-0.11287	0.01467	0.089576	0.05306
0.53191	-0.14931	0.00121	0.075082	0.10513
0.00043	-0.21011	4.66E-06	0.210038	4.70E-06
0.72237	-0.20027	1.30E-05	0.008035	0.86252
0.00291	-0.24467	8.56E-08	0.172845	0.00017
0.00016	-0.19503	2.19E-05	0.270608	2.79E-09
1.52E-07	-0.15338	0.00088	0.156	0.00072
0.62177	-0.17196	0.00019	0.032344	0.48563
0.63196	-0.08701	0.06026	0.172916	0.00017
0.11128	-0.11407	0.01364	0.226202	7.84E-07
0.00051	-0.13158	0.00439	0.213197	3.34E-06
0.52658	-0.12901	0.00524	-0.06966	0.13281
0.22494	-0.25838	1.47E-08	0.12201	0.0083
0.03994	-0.19525	2.15E-05	0.303535	2.08E-11
0.00184	-0.09399	0.04234	0.013561	0.77008
9.45E-07	0.02617	0.57268	0.035044	0.44994
0.00134	-0.02581	0.57793	0.274058	1.72E-09
6.62E-11	0.001919	0.967	0.135261	0.0034
0.60056	-0.14887	0.00125	0.034357	0.45888
0.04829	-0.19709	1.79E-05	0.035077	0.44951
0.00188	-0.12537	0.00667	0.437107	3.26E-23
2.06E-12	0.078648	0.08957	0.035228	0.44757
0.00018	-0.08124	0.07945	0.259414	1.28E-08
4.26E-05	-0.16339	0.00039	0.080856	0.0809
0.21293	-0.1748	0.00015	-0.12948	0.00507
0.33991	-0.25332	2.85E-08	0.162732	0.00041
0.73325	-0.24178	1.23E-07	0.21604	2.45E-06
0.86709	-0.18864	4.09E-05	0.020846	0.6532
0.06487	-0.24265	1.10E-07	0.031628	0.49535
0.32873	-0.10268	0.02649	0.054609	0.23887



0.53897	-0.18472	5.93E-05	0.277464	1.06E-09
0.03614	-0.1146	0.01321	0.233491	3.34E-07
0.00209	-0.15038	0.00112	0.074868	0.10613
0.8308	-0.10818	0.01937	-0.07838	0.09068
4.17E-06	-0.14587	0.00157	0.442704	7.80E-24
0.00077	-0.17258	0.00018	0.170125	0.00022
0.20307	-0.30586	1.43E-11	0.132051	0.00426
0.21575	0.042633	0.35796	0.198895	1.49E-05
1.91E-06	-0.10828	0.01926	0.09938	0.03178
0.55822	-0.22828	6.17E-07	0.067424	0.14572
0.75022	-0.19327	2.61E-05	-0.04585	0.32278
0.04746	-0.16031	0.00051	0.254431	2.47E-08
0.40504	-0.20208	1.08E-05	0.175073	0.00014
0.66951	-0.2968	5.96E-11	0.15013	0.00114
0.00014	-0.20635	6.93E-06	0.166666	0.0003
0.07558	-0.12925	0.00515	0.005202	0.91074
0.00276	-0.27091	2.67E-09	-0.03399	0.46369
0.43585	-0.24215	1.17E-07	-0.07233	0.11852
0.9906	-0.20257	1.03E-05	-0.05966	0.1981
0.00027	-0.20006	1.33E-05	0.195796	2.03E-05
0.00094	-0.24817	5.52E-08	0.437476	2.97E-23
0.00067	-0.15457	0.0008	0.10751	0.02014
0.00765	-0.29252	1.15E-10	-0.01599	0.73044
0.08961	-0.17738	0.00012	0.16362	0.00038
0.90456	-0.18491	5.82E-05	-0.08937	0.05361
0.4762	-0.15175	0.001	-0.137	0.00301
0.4151	0.039989	0.38858	0.408802	3.07E-20
1.15E-08	0.022434	0.6287	0.031606	0.49564
0.00339	-0.14275	0.00199	0.241994	1.19E-07
0.01434	-0.17376	0.00016	0.250336	4.19E-08
0.0444	0.025833	0.57763	-0.15746	0.00064
0.30807	-0.2338	3.22E-07	-0.0606	0.19111
0.30276	-0.19813	1.61E-05	-0.03204	0.4898
0.00594	-0.22575	8.26E-07	0.299936	3.66E-11
0.8029	0.124282	0.00717	0.269389	3.31E-09
0.8827	-0.12965	0.00502	0.011296	0.80764
0.09474	-0.11546	0.01253	-0.00485	0.9167
4.30E-10	-0.16455	0.00036	0.239412	1.64E-07
0.41056	-0.12004	0.00942	-0.18758	4.52E-05
0.00094	-0.00961	0.83597	0.130402	0.00476
0.02788	-0.1897	3.69E-05	-0.08466	0.06758
0.01744	-0.09932	0.03189	0.146974	0.00145
0.97783	-0.13728	0.00295	0.099605	0.03139
0.0196	-0.22057	1.49E-06	0.524022	2.70E-34
2.35E-05	-0.17055	0.00021	0.282671	4.99E-10

0.26746	-0.36651	2.71E-16	0.157197	0.00065
1.58E-05	-0.09082	0.04983	0.115405	0.01257
3.61E-05	-0.27393	1.75E-09	-0.15897	0.00056
0.11181	-0.22404	1.00E-06	0.319557	1.51E-12
0.13978	-0.27557	1.39E-09	0.048061	0.30001
2.20E-05	-0.03539	0.44543	0.421934	1.39E-21
4.52E-06	-0.09768	0.03483	0.261921	9.16E-09
0.00524	-0.20144	1.15E-05	0.094306	0.04164
0.07611	-0.21354	3.22E-06	0.32111	1.16E-12
0.09	-0.11609	0.01206	-0.03731	0.42112
0.00341	-0.04164	0.36923	-0.05181	0.26385
0.06883	-0.13563	0.00332	-0.02116	0.64838
0.00021	-0.09762	0.03495	0.340608	3.78E-14
0.0004	-0.03627	0.43423	0.153283	0.00089
0.5816	-0.25136	3.67E-08	0.241287	1.30E-07
0.01274	-0.12349	0.00755	-0.14802	0.00134
0.04139	-0.1971	1.79E-05	-0.22337	1.08E-06
0.00238	-0.05777	0.21269	0.06764	0.14444
0.18538	-0.13664	0.00309	-0.05114	0.27006
0.44951	-0.17612	0.00013	0.189514	3.76E-05
0.7803	-0.17592	0.00013	0.214239	2.99E-06
0.03924	0.065394	0.15828	0.245439	7.78E-08
0.36142	-0.25021	4.26E-08	0.11465	0.01317
0.56019	0.032542	0.48297	0.186515	5.00E-05
3.45E-06	-0.12229	0.00816	0.445082	4.21E-24
0.89568	-0.22454	9.48E-07	0.171197	0.0002
0.00393	-0.15578	0.00073	0.390976	1.66E-18
0.80601	-0.18301	6.95E-05	-0.1119	0.01555
0.02948	-0.13162	0.00438	-0.02236	0.62978
0.54579	-0.09998	0.03076	-0.14452	0.00174
0.0006	-0.08734	0.05929	0.197792	1.67E-05
0.00427	-0.18596	5.28E-05	0.144021	0.00181
3.32E-06	-0.19726	1.76E-05	0.243052	1.05E-07
1.30E-05	-0.19796	1.64E-05	0.188872	4.00E-05
0.69106	-0.07705	0.09631	0.070552	0.1279
0.44664	-0.00519	0.91087	0.025077	0.58882
0.85539	0.005666	0.9028	-0.00422	0.92761
0.01982	0.104151	0.0244	0.212681	3.54E-06
1.17E-10	0.28095	6.41E-10	0.35942	1.09E-15
4.94E-05	-0.05899	0.20318	-0.26065	1.09E-08
0.0486	0.143957	0.00182	0.177279	0.00012
0.72879	-0.00775	0.86742	-0.04492	0.33274
0.0336	0.103661	0.02508	-0.16441	0.00036
0.03066	-0.11823	0.01055	-0.04339	0.34951
0.40294	0.04277	0.35642	0.019692	0.67124

0.25509	-0.07628	0.09966	0.005677	0.90262
0.03257	0.055275	0.23318	-0.28262	5.02E-10
0.02868	0.082181	0.07603	-0.23425	3.06E-07
0.9572	0.131591	0.00439	-0.13545	0.00336
0.00183	0.276888	1.15E-09	0.162574	0.00042
0.05525	0.009941	0.83035	-0.02918	0.5293
0.00317	-0.15861	0.00058	-0.1021	0.02737
0.03035	0.041038	0.37624	0.098843	0.03272
0.10324	0.01839	0.69182	0.174267	0.00015
0.4264	-0.03955	0.39383	0.064479	0.16419
0.00703	-0.06299	0.17419	-0.19708	1.79E-05
1.08E-06	0.231209	4.38E-07	0.102128	0.02732
0.87569	0.017746	0.70209	0.118434	0.01042
0.17468	0.057697	0.2133	-0.16871	0.00025
0.00336	0.076512	0.09865	-0.30585	1.43E-11
0.18367	0.098507	0.03332	-0.1894	3.80E-05
0.09808	-6.27E-05	0.99892	-0.1995	1.40E-05
0.89879	0.066054	0.15411	-0.14299	0.00195
0.00179	-0.02393	0.606	-0.28949	1.81E-10
0.25452	-0.02185	0.63767	-0.13548	0.00335
0.18532	0.005693	0.90234	-0.017	0.71407
0.49224	0.071364	0.12356	-0.10193	0.02762
0.26365	-0.06171	0.18314	0.184434	6.09E-05
0.43263	-0.06303	0.17387	0.137992	0.0028
0.26425	0.116026	0.0121	-0.43731	3.10E-23
0.37963	0.145616	0.0016	-0.21396	3.08E-06
0.12341	0.022111	0.63365	-0.24943	4.70E-08
0.0061	0.097163	0.03581	-0.21741	2.11E-06
0.20118	-0.10309	0.02589	-0.21377	3.14E-06
0.15425	0.084424	0.06834	-0.22766	6.63E-07
0.35484	0.267263	4.43E-09	-0.20603	7.17E-06
0.96007	0.080845	0.08094	-0.17022	0.00022
0.54669	0.086708	0.06117	-0.06002	0.19539
0.11354	0.067043	0.14802	-0.13851	0.0027
1.74E-07	0.29943	3.96E-11	0.191509	3.10E-05
0.64772	-0.00627	0.89253	0.134362	0.00363
0.09137	-0.00131	0.97746	-0.30331	2.15E-11
0.4915	0.106535	0.0213	-0.09697	0.03618
0.3157	-0.00737	0.87387	-0.10483	0.02348
1.44E-05	0.244125	9.17E-08	-0.26365	7.25E-09
0.05552	0.215882	2.50E-06	-0.2104	4.52E-06
0.32817	0.012769	0.78316	0.006279	0.89236
0.00012	0.255059	2.27E-08	-0.19337	2.59E-05
0.02329	0.073566	0.11236	-0.03713	0.4234
0.00123	0.025113	0.58828	-0.35133	5.17E-15

0.39763	0.023988	0.6051	-0.16287	0.00041
4.17E-05	0.027328	0.5558	-0.37303	7.27E-17
0.00825	0.061991	0.18112	-0.12942	0.00509
0.04407	0.063734	0.16913	-0.14061	0.00232
0.00038	-0.07805	0.09204	0.234286	3.04E-07
0.00017	0.003157	0.94576	-0.31126	5.98E-12
4.39E-06	-0.12429	0.00716	-0.35479	2.68E-15
0.69649	-0.00149	0.9744	-0.20099	1.21E-05
0.04976	-0.03466	0.45492	0.107655	0.01997
0.5778	0.019142	0.67991	0.290996	1.45E-10
2.02E-05	0.053529	0.24829	-0.2283	6.15E-07
0.02859	0.15385	0.00085	0.084193	0.0691
0.05387	0.058432	0.20752	-0.24547	7.75E-08
0.20997	0.12473	0.00696	-0.04404	0.34228
0.12702	-0.00075	0.98718	-0.18833	4.21E-05
0.56568	-0.00562	0.90363	0.094325	0.0416
0.98516	0.139878	0.00245	-0.13136	0.00446
0.57666	0.107126	0.02059	-0.03329	0.47295
0.31452	-0.16978	0.00023	-0.03105	0.50325
0.02029	0.038567	0.40568	-0.27543	1.42E-09
0.70199	-0.02337	0.61449	-0.28487	3.61E-10
0.18161	-0.0481	0.29962	0.017829	0.70077
0.20183	0.061206	0.18671	-0.20992	4.76E-06
0.43179	0.065833	0.1555	-0.05106	0.27085
0.62281	0.062488	0.17764	-0.34643	1.30E-14
0.40992	0.226979	7.17E-07	-0.50187	3.66E-31
0.42944	-0.05694	0.21937	0.133476	0.00386
0.1927	-0.05757	0.2143	0.281425	5.98E-10
0.10394	0.043446	0.34886	-0.4211	1.70E-21
0.00011	-0.13098	0.00458	-0.12539	0.00666
0.03076	-0.11326	0.01433	-0.0224	0.62921
0.40232	-0.00685	0.88266	-0.04471	0.33503
0.52849	0.085445	0.06505	-0.25372	2.71E-08
0.04403	-0.03064	0.50888	-0.16821	0.00026
0.94145	0.110346	0.01706	-0.30402	1.92E-11
0.10395	0.121077	0.00882	-0.18002	9.16E-05
0.46615	0.184033	6.32E-05	-0.44819	1.87E-24
2.81E-06	-0.18122	8.20E-05	0.050623	0.27495
0.09863	0.041354	0.37258	0.069273	0.13497
0.65679	0.035389	0.4455	0.060291	0.1934
0.6356	-0.0261	0.57366	0.192952	2.69E-05
0.15343	-0.07428	0.1089	-0.00691	0.88165
0.29363	-0.12081	0.00897	-0.0526	0.25665
0.0072	-0.12917	0.00518	0.012152	0.79339
0.8945	-0.03733	0.42096	-0.2515	3.60E-08

0.66335	0.108368	0.01916	0.072472	0.11782
0.6493	0.016624	0.72011	-0.05547	0.23152
0.01621	0.118847	0.01015	-0.25978	1.22E-08
0.80086	0.142234	0.00206	-0.28285	4.86E-10
0.13937	0.00242	0.95841	0.086854	0.06073
0.01006	0.11371	0.01394	-0.10192	0.02764
0.10922	0.222131	1.25E-06	-0.19141	3.13E-05
0.00399	0.087709	0.05823	-0.17351	0.00016
0.52093	-0.02232	0.63037	0.2216	1.32E-06
0.0161	0.026223	0.57189	0.032175	0.48792
0.17531	0.023156	0.61769	-0.04787	0.30195
0.00035	-0.18481	5.88E-05	-0.23245	3.78E-07
0.6287	-0.03327	0.47325	-0.00757	0.87033
0.53818	-0.01491	0.74792	-0.10887	0.01861
0.79883	-0.04189	0.36637	0.142414	0.00204
0.92496	-0.02517	0.58741	0.013683	0.76806
0.04601	0.064785	0.1622	-0.02145	0.6438
2.35E-05	0.100737	0.02951	0.486849	3.64E-29
0.05963	-0.07484	0.10628	-0.14635	0.00152
0.38155	-0.11431	0.01345	0.011596	0.80264
0.00302	-0.0526	0.25665	-0.34551	1.54E-14
0.05828	-0.04265	0.35782	0.161829	0.00045
0.02996	-0.02094	0.65172	-0.154	0.00084
0.08137	0.032653	0.48148	-0.19212	2.92E-05
0.79882	0.006536	0.88798	0.188757	4.04E-05
0.88354	-0.01625	0.72623	0.107458	0.0202
0.18712	0.094682	0.04084	-0.24228	1.15E-07
0.01189	-0.09248	0.04578	-0.08186	0.07718
0.79982	0.027155	0.5583	-0.20193	1.10E-05
0.20853	-0.00605	0.8963	-0.26112	1.02E-08
0.90228	0.057028	0.21866	-0.12259	0.008
0.8264	-0.0174	0.70764	-0.0497	0.28377
0.09399	0.018599	0.68851	-0.12694	0.00602
0.23622	0.109377	0.01806	-0.0235	0.61245
0.06221	-0.08856	0.05581	0.146615	0.00149
0.29787	0.062041	0.18076	-0.29569	7.08E-11
0.16871	-0.2271	7.07E-07	0.225364	8.63E-07
0.00178	0.103519	0.02528	0.172617	0.00018
0.21792	0.064624	0.16324	-0.22451	9.52E-07
0.56319	0.16192	0.00044	-0.16547	0.00033
0.54669	0.011654	0.80167	0.12156	0.00855
0.00356	-0.06097	0.1884	0.122697	0.00794
0.02898	0.051075	0.27068	-0.27925	8.19E-10
0.00548	0.01685	0.71647	-0.43122	1.43E-22
0.46222	-0.04693	0.31155	-0.20408	8.78E-06

0.0434	0.086688	0.06123	-0.21582	2.51E-06
0.21349	0.10014	0.03049	-0.07844	0.09042
0.19021	0.047307	0.30766	-0.02961	0.52324
0.05369	0.023315	0.61527	-0.16167	0.00045
7.90E-06	-0.10584	0.02217	-0.3193	1.58E-12
3.10E-05	-0.06017	0.19427	-0.15611	0.00071
2.81E-05	-0.20883	5.34E-06	-0.07808	0.0919
0.95516	-0.04115	0.37499	0.310802	6.45E-12
0.36026	-0.04207	0.36432	0.052092	0.26124
0.64307	0.040847	0.37847	-0.09704	0.03605
0.36321	0.025344	0.58485	-0.11858	0.01033
0.06305	0.085	0.06647	-0.23046	4.78E-07
0.27259	0.056245	0.22506	-0.0896	0.053
0.0048	0.279176	8.29E-10	-0.10947	0.01796
0.02018	0.064405	0.16468	-0.24868	5.17E-08
0.00376	0.05651	0.22289	-0.26795	4.03E-09
0.03943	0.144942	0.00169	-0.08776	0.05808
0.19101	0.015195	0.74329	-0.13296	0.004
0.53292	-0.09381	0.04274	0.427903	3.25E-22
0.00309	0.018833	0.6848	-0.16007	0.00052
0.15621	0.042061	0.36445	0.352843	3.88E-15
0.02697	0.106832	0.02094	-0.2201	1.57E-06
0.33152	-0.08284	0.0737	0.114953	0.01293
0.29574	0.030453	0.51151	-0.0581	0.21015
0.61555	0.023744	0.60879	-0.10806	0.0195
0.00352	0.068261	0.14078	-0.21761	2.06E-06
0.09032	-0.09368	0.04303	0.009201	0.8428
0.37978	0.034662	0.4549	0.025991	0.5753
0.89285	0.127011	0.00599	-0.2385	1.83E-07
0.44707	0.135417	0.00337	-0.11574	0.01232
0.59817	0.097994	0.03425	0.079597	0.08576
0.11562	0.011294	0.80768	-0.14377	0.00184
0.00938	0.082642	0.0744	-0.03615	0.43573
0.15269	0.195976	2.00E-05	-0.34515	1.64E-14
0.28383	0.02069	0.65562	-0.15832	0.0006
0.00011	0.133248	0.00392	-0.27532	1.44E-09
0.0642	-0.03251	0.48343	-0.16496	0.00034
0.33322	0.100115	0.03053	-0.11809	0.01065
0.69702	0.031928	0.49126	-0.0369	0.42627
0.10795	0.006444	0.88954	-0.10141	0.02843
0.11576	0.044271	0.33978	-0.17783	0.00011
0.66719	-0.02782	0.54873	-0.06885	0.13738
0.25108	-0.06201	0.18097	-0.12458	0.00703
0.01753	0.083679	0.07082	0.008793	0.8497
0.54957	0.028089	0.54485	-0.03944	0.39519

0.03093	-0.04529	0.32877	-0.20137	1.16E-05
0.36884	-0.05428	0.24168	0.049399	0.28673
0.45317	0.059503	0.19929	-0.17822	0.00011
0.53392	0.127816	0.00567	-0.23001	5.04E-07
0.74132	-0.07906	0.08789	-0.18784	4.41E-05
0.91085	-0.05658	0.22229	0.055473	0.23151
0.00537	0.088657	0.05555	-0.30887	8.83E-12
0.05743	0.083566	0.0712	-0.17325	0.00017
0.79321	0.021047	0.65008	-0.01311	0.77753
0.01811	0.062168	0.17987	-0.17494	0.00014
0.05929	0.116283	0.01191	-0.2109	4.28E-06
0.2626	-0.10827	0.01926	0.030599	0.50949
0.58455	0.095645	0.03882	0.191458	3.11E-05
2.69E-06	0.040133	0.38687	-0.25026	4.23E-08
0.01323	-0.01351	0.77083	0.008944	0.84714
0.29532	-0.17828	0.00011	0.62645	2.85E-52
0.00251	0.040262	0.38534	0.36645	2.74E-16
0.34158	-0.09575	0.0386	-0.21805	1.97E-06
0.79165	0.076504	0.09869	-0.34846	8.88E-15
0.47166	0.051685	0.26499	-0.20428	8.60E-06
0.61103	-0.01815	0.69563	-0.03044	0.51164
8.39E-07	0.035104	0.44917	-0.44173	1.00E-23
0.95317	-0.06655	0.15101	-0.06909	0.13598
0.20161	0.076371	0.09927	-0.20905	5.21E-06
3.93E-05	-0.07273	0.11653	0.019099	0.68059
0.51631	0.014561	0.75364	-0.16454	0.00036
0.72315	0.0099	0.83103	0.083047	0.07298
0.16786	0.119965	0.00946	-0.1578	0.00062
0.00258	0.032528	0.48315	-0.1795	9.60E-05
9.99E-06	-0.01406	0.76192	-0.33792	6.15E-14
0.03749	-0.07317	0.11433	-0.18856	4.12E-05
0.09096	0.01628	0.72567	0.004536	0.92211
0.00542	0.044008	0.34265	-0.19266	2.77E-05
0.39575	0.05424	0.24206	-0.24421	9.07E-08
0.22426	0.096374	0.03735	-0.10149	0.02831
0.12046	0.009294	0.84123	-0.46197	4.58E-26
0.07591	0.037247	0.42195	-0.13955	0.00251
0.13121	-0.18833	4.21E-05	-0.0085	0.85458
0.01744	-0.10595	0.02203	-0.20606	7.14E-06
0.97173	-0.05099	0.27146	-0.14997	0.00115
0.34973	0.046621	0.31473	0.127802	0.00568
0.26289	0.162906	0.00041	0.010843	0.81523
0.0685	0.012902	0.78094	0.079231	0.08721
0.29563	0.050863	0.27268	-0.45928	9.57E-26
0.01865	0.057319	0.21632	-0.18312	6.88E-05

0.00356	0.068453	0.13966	-0.33926	4.83E-14
0.71311	0.002773	0.95235	-0.1413	0.00221
0.10074	-0.02453	0.59693	-0.26973	3.15E-09
0.37118	-0.04275	0.35666	0.02106	0.64988
0.73825	0.124506	0.00706	0.110711	0.01669
0.3844	0.080793	0.08114	-0.14554	0.00161
0.47941	-0.07483	0.1063	0.058213	0.20923
0.7256	0.111377	0.01604	-0.10669	0.02111
0.39252	0.082956	0.0733	-0.13776	0.00285
0.64746	-0.04378	0.34515	0.000956	0.98356
0.08419	0.062227	0.17945	-0.14496	0.00168
0.0437	0.122286	0.00816	-0.20745	6.17E-06
0.02767	0.055821	0.22859	-0.09288	0.04483
0.0865	0.078152	0.09162	-0.24555	7.68E-08
0.54722	0.024381	0.5992	-0.1267	0.00611
0.03553	-0.02075	0.65469	0.200094	1.32E-05
0.05152	-0.01183	0.79882	0.029483	0.52506
0.02127	-0.04669	0.31403	0.047234	0.3084
0.03968	0.102313	0.02704	-0.19579	2.04E-05
0.44151	-0.04092	0.37757	0.051963	0.26242
0.01308	0.025101	0.58846	0.099147	0.03218
0.73628	0.014276	0.75832	-0.2521	3.34E-08
0.1388	0.041451	0.37145	0.148855	0.00125
0.09239	0.127166	0.00593	-0.27678	1.17E-09
0.70173	0.109581	0.01784	-0.07327	0.11384
0.51497	0.052476	0.25774	-0.01774	0.70222
0.03052	0.244811	8.42E-08	-0.32602	5.02E-13
0.41327	0.012109	0.7941	-0.30677	1.24E-11
0.01561	0.105165	0.02304	-0.30287	2.31E-11
0.90518	0.029789	0.52077	-0.10569	0.02236
0.01265	0.069484	0.13378	-0.17356	0.00016
0.05564	0.071164	0.12462	-0.31674	2.42E-12
2.47E-08	0.060038	0.19528	0.45164	7.49E-25
0.89906	0.10193	0.02763	0.003792	0.93486
0.00387	0.016246	0.72622	-0.23103	4.47E-07
0.00233	0.087582	0.05859	-0.29253	1.15E-10
0.00428	0.034422	0.45803	-0.18988	3.63E-05
0.8653	-0.01026	0.82492	-0.06558	0.15707
7.91E-09	-0.00291	0.94998	-0.52902	4.90E-35
0.80504	-0.05119	0.26964	0.041294	0.37327
0.76337	0.034988	0.45067	-0.09912	0.03223
0.62724	-0.05458	0.23908	-0.26122	1.01E-08
0.79054	0.245994	7.26E-08	-0.16394	0.00037
0.00093	-0.03758	0.41777	-0.14645	0.00151
0.10925	0.003528	0.9394	0.066902	0.14888



0.007	-0.04765	0.30421	0.279853	7.51E-10
9.35E-05	-0.05386	0.2454	0.269264	3.36E-09
0.79795	-0.08383	0.07031	-0.06331	0.17202
0.1919	-0.21205	3.78E-06	-0.12602	0.00639
0.57055	-0.04334	0.35008	0.257139	1.73E-08
0.69302	0.102394	0.02692	-0.34239	2.73E-14
0.73206	0.000229	0.99605	0.142846	0.00197
0.4429	0.014775	0.75014	-0.02314	0.618
0.5115	0.050047	0.28046	-0.12756	0.00577
0.69202	-0.10711	0.0206	-0.1418	0.00213
0.07801	0.012916	0.78072	-0.18831	4.22E-05
0.33365	0.113415	0.0142	-0.22204	1.26E-06
0.1149	0.071467	0.12301	-0.10902	0.01844
0.10344	0.031748	0.49371	-0.0892	0.05408
0.28303	0.056621	0.22197	-0.15499	0.00078
0.09885	-0.00043	0.9926	0.00582	0.90019
0.32185	0.1052	0.02299	-0.17305	0.00017
0.0507	0.008098	0.86145	-0.14174	0.00214
0.12049	0.026688	0.56509	-0.13908	0.00259
0.48556	-0.0045	0.92265	-0.12157	0.00854
0.53044	-0.01517	0.74373	-0.03372	0.46727
0.02931	0.076689	0.09787	-0.21851	1.87E-06
0.07163	0.104266	0.02424	-0.20857	5.49E-06
2.44E-10	0.382964	9.23E-18	0.002786	0.95211
0.65248	0.20113	1.19E-05	-0.11932	0.00985
0.28441	0.054529	0.23955	-0.19389	2.45E-05
0.5811	0.093639	0.04312	-0.20581	7.34E-06
0.42356	0.065898	0.15509	-0.13899	0.00261
0.02543	-0.09237	0.04603	-0.06006	0.19512
0.20092	0.024333	0.59992	-0.07581	0.10179
0.0128	0.168663	0.00025	-0.18501	5.77E-05
0.31383	-0.01384	0.76545	0.017399	0.70764
0.03397	0.0717	0.12179	-0.3902	1.97E-18
0.74757	-0.0741	0.10977	0.12342	0.00758
0.08291	0.035342	0.44609	0.006703	0.88514
0.77653	-0.01623	0.72648	-0.11971	0.00962
0.18092	-0.17295	0.00017	-0.02567	0.58008
0.68537	0.124007	0.0073	-0.0781	0.09184
0.04428	-0.0502	0.27894	-0.04268	0.35748
0.92036	0.06285	0.17513	-0.14717	0.00143
0.00277	0.046536	0.31562	-0.26351	7.40E-09
0.90006	-0.06751	0.14524	0.044334	0.33909
0.16603	-0.01134	0.80693	-0.12664	0.00614
0.85699	-0.13477	0.00352	-0.05942	0.19994
0.92355	-0.02162	0.64118	0.022771	0.62354

0.12432	-0.02657	0.56677	0.082598	0.07455
0.78708	0.01928	0.67773	-0.03538	0.44558
0.39883	0.068997	0.13653	-0.05668	0.2215
0.06355	0.008572	0.85342	-0.28798	2.27E-10
0.00156	0.039675	0.39232	-0.28561	3.24E-10
0.02178	-0.11417	0.01356	-0.23888	1.75E-07
7.38E-06	-0.17041	0.00022	-0.07808	0.09192
0.04472	0.037593	0.41765	-0.12945	0.00508
0.16296	-0.05098	0.27155	0.268319	3.83E-09
0.91255	0.01684	0.71664	0.13918	0.00258
2.54E-07	0.106572	0.02125	-0.21729	2.14E-06
0.56084	-0.0202	0.66333	0.04987	0.28216
0.00704	0.024479	0.59773	-0.3591	1.17E-15
0.01742	0.058398	0.20778	-0.32005	1.39E-12
0.32712	0.027997	0.54617	-0.18908	3.92E-05
2.01E-11	0.351776	4.75E-15	-0.01618	0.72723
0.74931	-0.0063	0.89203	0.150226	0.00113
0.35961	0.088785	0.0552	-0.03686	0.42675
0.42322	-0.06259	0.17694	0.183984	6.35E-05
0.01273	-0.01609	0.72878	0.068608	0.13876
0.07682	-0.13486	0.0035	-0.01861	0.68841
0.67284	-0.01697	0.71453	0.082328	0.07551
0.26844	-0.01678	0.71758	-0.01671	0.71872
0.00026	-0.03061	0.50933	-0.18018	9.03E-05
0.02136	0.014561	0.75365	0.057458	0.21521
0.00081	-0.0615	0.18457	-0.14369	0.00185
0.2315	0.016221	0.72662	-0.26861	3.68E-09
0.00028	-0.1023	0.02706	-0.2917	1.30E-10
1.34E-06	0.266506	4.92E-09	-0.05049	0.27623
0.20675	0.223606	1.05E-06	-0.33447	1.14E-13
0.46679	0.218425	1.89E-06	-0.2662	5.13E-09
0.26847	0.234324	3.03E-07	-0.34681	1.21E-14
0.01671	0.230407	4.81E-07	-0.23767	2.03E-07
0.16578	0.143042	0.00194	-0.21197	3.82E-06
0.29728	0.006391	0.89044	-0.11491	0.01296
0.22221	-0.02202	0.63497	-0.02748	0.5536
0.00012	-0.1917	3.04E-05	-0.1926	2.79E-05
0.70019	-0.06876	0.13786	0.225798	8.21E-07
0.60698	-0.03095	0.50457	0.04201	0.36504
0.47903	0.205895	7.27E-06	-0.33981	4.37E-14
3.52E-05	0.160118	0.00051	-0.17614	0.00013
0.90604	-0.00621	0.89361	0.132367	0.00416
2.40E-09	-0.13484	0.00351	-0.23617	2.43E-07
0.66344	-0.05322	0.25101	-0.12275	0.00792
3.59E-05	0.102477	0.0268	0.121383	0.00864

0.08025	-0.03449	0.45718	-0.09567	0.03876
5.72E-14	0.412733	1.23E-20	-0.09718	0.03577
3.89E-05	0.135923	0.00325	-0.20463	8.29E-06
0.00012	-0.02652	0.5675	-0.14077	0.0023
0.83899	0.161905	0.00044	-0.20539	7.66E-06
2.41E-05	0.125747	0.00651	-0.4782	4.66E-28
0.33322	-0.01425	0.75868	0.078396	0.0906
0.00043	-0.03696	0.42554	-0.07874	0.08921
0.02724	0.058653	0.2058	-0.15186	0.00099
0.04665	0.138359	0.00273	-0.27876	8.79E-10
0.00189	0.057249	0.21689	-0.26695	4.63E-09
0.65426	0.132558	0.00411	-0.10048	0.02993
0.08364	-0.00217	0.96268	-0.17456	0.00015
0.38699	-0.07416	0.10948	-0.19069	3.36E-05
0.08141	0.015599	0.73671	-0.21756	2.08E-06
0.93562	0.011057	0.81164	0.096879	0.03636
0.02286	0.011	0.81259	-0.22489	9.11E-07
0.76474	0.006612	0.88668	-0.16662	0.0003
0.41013	-0.00196	0.96625	-0.1269	0.00603
0.82131	-0.04958	0.28493	-0.05521	0.23373
0.01793	0.044519	0.33707	-0.2386	1.81E-07
0.0956	0.081196	0.07963	-0.20111	1.19E-05
0.10939	0.077511	0.09432	-0.15746	0.00064
0.39473	0.000433	0.99255	-0.19771	1.68E-05
0.88874	0.135458	0.00336	-0.21875	1.82E-06
0.20626	-0.03886	0.40216	-0.38451	6.65E-18
0.27134	-0.1369	0.00303	-0.14118	0.00223
0.00739	0.013848	0.76535	-0.16565	0.00032
0.35084	0.147924	0.00135	0.029376	0.52656
0.43051	0.027589	0.55203	0.084329	0.06865
1.80E-06	-0.0321	0.48898	-0.26366	7.25E-09
0.40482	0.042395	0.36066	-0.01655	0.72129
0.6346	0.112378	0.01511	-0.14754	0.00139
0.16466	0.116536	0.01173	-0.19421	2.38E-05
0.00435	0.00856	0.85363	-0.09874	0.03291
0.3044	0.036227	0.43478	-0.21221	3.72E-06
0.93114	0.137881	0.00283	-0.13616	0.0032
0.85201	0.066955	0.14855	-0.01487	0.74858
0.58275	0.088291	0.05657	-0.05595	0.22751
0.32294	0.119848	0.00953	-0.01473	0.75092
0.12158	-0.08774	0.05814	-0.16341	0.00039
0.55142	0.043116	0.35254	-0.03015	0.51567
0.42989	-0.1238	0.0074	-0.05309	0.25222
0.00931	0.111264	0.01615	0.06181	0.18239
0.21637	0.043784	0.34512	-0.17544	0.00014

0.82531	0.07125	0.12416	-0.05971	0.19772
0.95702	-0.12608	0.00637	0.071746	0.12155
0.35995	-0.14782	0.00136	-0.0084	0.85626
0.91863	0.015653	0.73583	-0.15185	0.001
0.01521	0.076506	0.09868	-0.22736	6.86E-07
0.20301	0.124789	0.00693	-0.48856	2.19E-29
0.01059	0.030048	0.51715	-0.02379	0.60812
0.39757	0.008289	0.85822	-0.22571	8.30E-07
0.2639	-0.09542	0.03929	0.157195	0.00065
0.18957	-0.015	0.74646	-0.02989	0.51929
0.92343	-0.06943	0.13408	-0.11179	0.01565
0.05462	0.06663	0.15054	-0.18806	4.32E-05
0.69924	0.024061	0.60401	0.018351	0.69245
0.13849	0.018017	0.69777	-0.19777	1.67E-05
0.1426	-0.07205	0.12	-0.05771	0.21318
0.29066	0.058274	0.20875	-0.27737	1.07E-09
0.1061	0.047271	0.30803	-0.14688	0.00146
0.33857	0.005197	0.91082	-0.18707	4.75E-05
0.201	-0.12211	0.00825	-0.12651	0.00619
0.09088	0.057836	0.2122	-0.12787	0.00565
0.67899	0.014059	0.76187	-0.00772	0.86793
0.22267	0.004103	0.92954	-0.11708	0.01134
0.3489	-0.00077	0.98683	-0.07494	0.10579
0.15056	-0.0338	0.46618	-0.04062	0.38118
0.0261	0.007972	0.86359	0.014817	0.74946
0.64513	0.045502	0.32651	-0.34824	9.24E-15
0.0591	0.179191	9.88E-05	0.161244	0.00047
0.84829	-0.01467	0.7518	-0.18242	7.34E-05
0.69678	-0.0605	0.19186	0.12296	0.00781
0.07854	0.078114	0.09178	-0.48967	1.56E-29
3.25E-07	0.072011	0.12018	-0.21791	2.00E-06
0.14333	0.05591	0.22784	-0.22491	9.09E-07
0.06617	0.019684	0.67136	-0.16287	0.00041
0.00517	0.015083	0.74511	-0.09879	0.0328
0.00383	-0.05857	0.20643	-0.16297	0.00041
0.15492	-0.15217	0.00097	0.22746	6.78E-07
0.13388	0.044401	0.33836	-0.31483	3.33E-12
0.00081	0.042515	0.35929	-0.38457	6.57E-18
3.70E-06	0.129447	0.00508	0.173806	0.00016
0.01805	-0.00601	0.89696	0.031391	0.49859
7.75E-11	0.159797	0.00053	0.37499	4.86E-17
0.60889	-0.09298	0.04461	0.132488	0.00413
0.90097	-0.08994	0.05209	0.128648	0.00537
0.55971	0.106722	0.02107	-0.36512	3.57E-16
0.01624	-0.0543	0.24154	0.173852	0.00016

0.0563	0.09877	0.03285	0.194823	2.24E-05
1.90E-08	0.08532	0.06545	-0.00085	0.9854
0.00455	-0.08847	0.05608	0.115829	0.01225
0.55845	0.14068	0.00231	-0.1692	0.00024
0.36692	-0.13232	0.00418	0.046916	0.31168
0.05213	0.180442	8.81E-05	-0.20792	5.88E-06
1.82E-05	0.040386	0.38389	-0.46546	1.74E-26
0.20828	0.035184	0.44813	-0.25671	1.83E-08
0.04434	-0.12479	0.00693	-0.20535	7.69E-06
0.58438	0.006005	0.89702	0.07676	0.09756
0.01159	-0.01862	0.68822	-0.23673	2.27E-07
0.01903	-0.06419	0.16608	-0.06679	0.14954
0.65017	-0.08684	0.06077	0.033304	0.47277
0.55701	-0.02492	0.59119	0.105207	0.02298
0.03283	0.111299	0.01612	-0.25349	2.79E-08
0.0327	0.110433	0.01697	-0.13913	0.00259
0.02415	0.024552	0.59664	-0.36078	8.39E-16
0.36562	0.082413	0.0752	-0.11637	0.01185
0.00272	-0.09687	0.03638	0.20665	6.72E-06
0.11458	0.091229	0.0488	0.054555	0.23933
0.00029	-0.02219	0.63245	-0.11374	0.01392
0.35069	-0.04073	0.3798	0.204686	8.24E-06
0.01138	0.07756	0.09411	-0.20206	1.08E-05
0.80196	0.076457	0.0989	-0.00489	0.91607
0.71055	-0.07795	0.09244	-0.15627	0.0007
0.00873	0.047991	0.30072	-0.30995	7.41E-12
0.02944	-0.01872	0.68666	-0.00873	0.85079
0.37007	-0.1184	0.01044	0.254343	2.50E-08
0.40272	-0.0408	0.37903	0.072801	0.11616
0.03751	-0.01742	0.70738	-0.06729	0.14653
0.00353	0.163675	0.00038	-0.00953	0.83734
0.17938	0.011903	0.79753	-0.21168	3.94E-06
0.00431	0.014808	0.7496	-0.35025	6.34E-15
0.61707	0.082736	0.07406	-0.16169	0.00045
0.89216	-0.04565	0.32498	0.125963	0.00642
0.01265	-0.06311	0.17336	-0.13333	0.00389
0.34344	-0.02837	0.54089	-0.02135	0.64536
0.02472	0.107406	0.02026	-0.27523	1.46E-09
0.78922	-0.07956	0.08592	-0.07931	0.08689
0.00935	0.027987	0.5463	-0.23238	3.82E-07
0.28787	-0.10666	0.02114	-0.02214	0.63319
0.55819	-0.18265	7.19E-05	0.263932	6.98E-09
0.27175	-0.00728	0.8753	0.007723	0.8678
0.38556	-0.04132	0.37297	-0.3585	1.31E-15
0.01363	-0.12168	0.00848	-0.21115	4.17E-06

0.49595	-0.0037	0.93641	0.001817	0.96877
0.18043	0.046175	0.31939	-0.01749	0.70625
0.43781	0.161585	0.00046	-0.08898	0.05466
0.10595	-0.09722	0.0357	-0.07096	0.1257
0.37976	0.096569	0.03696	0.068182	0.14124
0.0277	-0.00891	0.84765	-0.12384	0.00737
0.03159	-0.06835	0.14027	0.025915	0.57642
0.28616	0.018047	0.69729	-0.23849	1.83E-07
0.75288	0.089894	0.05221	-0.14455	0.00174
0.00046	-0.06678	0.1496	-0.08902	0.05455
0.56514	-0.04979	0.28297	0.077676	0.09362
0.89061	-0.00505	0.91329	0.054491	0.23988
0.91131	-0.10921	0.01823	-0.09908	0.0323
0.87306	0.023699	0.60946	-0.11578	0.01229
0.71562	-0.04143	0.37165	-0.0463	0.31804
0.07677	0.006239	0.89304	-0.27339	1.89E-09
0.4915	0.096354	0.03739	-0.08873	0.05535
0.58856	-0.02679	0.56355	-0.18744	4.58E-05
0.49919	0.147316	0.00141	-0.18979	3.66E-05
0.28207	0.014593	0.75312	0.081208	0.07958
0.79276	-0.02017	0.66382	0.029654	0.52266
0.70223	0.18478	5.89E-05	-0.16414	0.00037
0.31998	0.054963	0.23583	-0.08924	0.05395
0.11957	0.032081	0.48918	0.010951	0.81341
0.02111	-0.01098	0.81298	-0.29488	8.00E-11
0.13966	-0.1559	0.00072	-0.18644	5.04E-05
0.0505	-0.02116	0.6483	0.083576	0.07117
0.41347	-0.06399	0.16745	0.2348	2.86E-07
0.17404	0.210048	4.69E-06	-0.403	1.16E-19
0.02807	0.112811	0.01472	0.310291	7.01E-12
0.09564	0.274738	1.56E-09	-0.26591	5.33E-09
0.00431	0.014155	0.76029	0.084661	0.06756
0.60883	0.036461	0.43182	-0.09168	0.0477
0.8271	0.093558	0.0433	0.068043	0.14206
0.013	0.087402	0.05912	-0.27288	2.03E-09
0.0049	0.02749	0.55346	-0.3072	1.16E-11
0.42972	0.062975	0.17427	0.241312	1.30E-07
5.89E-09	-0.08895	0.05476	-0.33795	6.12E-14
2.48E-07	-0.10025	0.0303	-0.30743	1.11E-11
0.71403	0.164087	0.00037	-0.11479	0.01306
0.37864	0.009369	0.83997	0.078277	0.09109
0.00055	0.091047	0.04926	-0.14143	0.00219
0.05387	0.015885	0.73207	-0.00323	0.94449
0.00011	-0.08949	0.05329	-0.08607	0.0631
0.58856	-0.06462	0.1633	0.1119	0.01555

0.74175	-0.00029	0.99501	-0.24948	4.67E-08
0.08525	-0.1115	0.01592	-0.04133	0.37289
0.0006	-0.11302	0.01454	-0.26143	9.79E-09
0.30626	0.156971	0.00066	-0.18692	4.82E-05
0.12423	0.061398	0.18533	-0.1225	0.00805
0.35024	0.106834	0.02094	-0.17221	0.00018
0.00374	0.008434	0.85575	0.430776	1.60E-22
0.12442	0.058636	0.20593	-0.0212	0.64764
0.5701	-0.06962	0.133	-0.02064	0.65639
0.17499	-0.03478	0.45334	0.064769	0.1623
0.46564	-0.03503	0.45014	0.040552	0.38192
0.83437	-0.01818	0.69524	-0.01606	0.72929
0.13745	-0.02102	0.65044	0.084433	0.06831
0.0002	-0.05368	0.24699	-0.45125	8.31E-25
0.02029	0.001085	0.98134	-0.34996	6.69E-15
0.26565	0.080844	0.08095	-0.24476	8.47E-08
0.36207	0.021337	0.64558	0.142339	0.00205
0.01581	-0.15999	0.00052	0.304672	1.73E-11
0.32303	0.014263	0.75854	0.190731	3.34E-05
0.5704	-0.03238	0.48521	0.081989	0.07672
0.28587	0.014936	0.74751	0.20889	5.30E-06
0.47346	-0.10265	0.02654	0.229731	5.21E-07
0.74392	0.188559	4.12E-05	-0.1732	0.00017
0.05591	0.028792	0.53482	0.01037	0.82315
3.47E-05	0.182568	7.24E-05	0.186317	5.10E-05
0.63301	-0.00789	0.86496	-0.06151	0.18451
0.05409	0.066882	0.149	0.092681	0.04531
0.01728	0.025372	0.58444	-0.10035	0.03014
0.00016	0.03458	0.45597	0.221194	1.38E-06
0.78287	0.113565	0.01407	-0.27418	1.69E-09
0.5576	-0.07224	0.11899	0.067691	0.14413
0.06708	0.032837	0.47901	-0.17095	0.00021
0.07844	-0.03887	0.40201	0.096567	0.03697
0.78754	-0.06561	0.15691	-0.06218	0.17976
0.52052	0.005829	0.90002	0.039287	0.39697
0.12375	0.208145	5.74E-06	-0.11983	0.00954
0.07661	0.005421	0.90699	0.229013	5.66E-07
0.03258	0.10125	0.02868	0.064776	0.16225
2.94E-07	-0.03699	0.42512	-0.31083	6.42E-12
0.01126	-0.00482	0.91735	-0.11168	0.01575
0.20745	-0.08751	0.0588	-0.10065	0.02965
0.20267	-0.03331	0.47269	0.09252	0.04568
0.32925	0.096813	0.03649	-0.04048	0.38274
0.04731	0.061688	0.18326	0.056609	0.22208
0.00053	-0.04553	0.3262	-0.21137	4.07E-06

0.04648	0.09966	0.0313	-0.28589	3.10E-10
0.18272	0.027739	0.54987	-0.33691	7.38E-14
0.94363	0.075818	0.10175	-0.04796	0.301
0.00064	0.183581	6.59E-05	0.017238	0.71023
0.63038	0.042928	0.35464	0.006855	0.88255
0.09486	0.139027	0.0026	-0.00244	0.95812
0.82329	0.112064	0.0154	-0.07449	0.10793
0.35701	0.174856	0.00015	-0.0979	0.03443
1.18E-14	0.349166	7.77E-15	0.068386	0.14005
0.5522	0.043599	0.34716	0.198759	1.51E-05
0.00032	0.001646	0.9717	-0.42256	1.19E-21
0.72461	0.138836	0.00264	-0.05437	0.2409
0.39985	-0.00719	0.87682	0.063558	0.17031
0.50073	0.005418	0.90704	-0.0585	0.20699
0.51098	-0.0779	0.09267	-0.03772	0.41604
0.00253	0.035792	0.44033	-0.3491	7.87E-15
0.08538	0.007597	0.86994	0.057216	0.21714
0.00527	0.002599	0.95534	-0.06135	0.18568
0.72838	0.031664	0.49486	0.048194	0.29866
0.2574	-0.02302	0.61976	-0.02524	0.58637
0.00157	-0.00927	0.84158	-0.03085	0.50599
0.00269	0.092346	0.04609	-0.12922	0.00516
0.00216	-0.11276	0.01477	-0.05227	0.25962
6.69E-08	0.06212	0.18021	0.223183	1.11E-06
0.02629	-0.04812	0.29945	-0.05658	0.22231
0.01038	-0.16776	0.00027	-0.15088	0.00107
0.07459	-0.01597	0.73061	-0.15393	0.00085
0.02095	0.079167	0.08747	-0.0412	0.3744
6.34E-07	0.105443	0.02267	0.245195	8.02E-08
2.31E-05	0.213449	3.25E-06	-0.2153	2.66E-06
0.02544	0.225382	8.61E-07	-0.15807	0.00061
0.03978	0.037271	0.42165	-0.21208	3.77E-06
0.30988	0.016693	0.719	-0.05891	0.2038
0.07217	0.033933	0.46444	-0.21996	1.59E-06
5.69E-05	0.225611	8.39E-07	-0.14462	0.00173
0.01892	-0.06311	0.17337	0.07599	0.10098
0.90408	0.016633	0.71997	0.043298	0.35051
0.65292	-0.18091	8.44E-05	-0.07904	0.08798
0.01137	0.237356	2.10E-07	-0.23137	4.30E-07
0.21154	-0.10557	0.02252	0.176512	0.00013
0.68091	0.0869	0.06059	-0.08544	0.06507
0.01361	-0.03414	0.4617	-0.09008	0.05172
0.28788	0.045439	0.32718	-0.08976	0.05256
0.33685	-0.04723	0.30847	-0.15844	0.00059
0.12496	0.023921	0.60611	-0.06222	0.17949



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0.53107	0.057179	0.21744	-0.21231	3.68E-06
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0.79886	-0.13957	0.0025	0.200467	1.27E-05
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0.77909	0.009416	0.83918	0.006268	0.89255
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0.39571	0.010481	0.82129	-0.04409	0.34176
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0.16827	0.07011	0.13031	-0.02094	0.65168
0.01917	0.008107	0.8613	-0.26837	3.81E-09
0.067	0.007993	0.86323	-0.04037	0.38411
0.00395	0.05014	0.27956	-0.17474	0.00015
0.70327	0.035489	0.44421	-0.07286	0.11585
0.27297	-0.01025	0.82517	0.120186	0.00933
0.81103	-0.0842	0.06907	0.056937	0.2194
0.03707	0.218662	1.84E-06	-0.19458	2.29E-05
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0.98212	-0.11822	0.01056	0.063846	0.16838
0.28607	0.014845	0.749	-0.1815	8.00E-05
0.16645	0.105943	0.02204	-0.23552	2.62E-07
0.03687	-0.06334	0.17179	0.178132	0.00011
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0.59602	0.07508	0.10514	0.195995	1.99E-05
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0.80758	-0.01643	0.72323	-0.02026	0.66227
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0.00014	0.038223	0.40989	-0.17042	0.00022
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0.96648	-0.0371	0.42373	-0.27114	2.59E-09
0.00079	-0.07583	0.10172	-0.21807	1.96E-06
0.07353	0.076806	0.09736	-0.13975	0.00247
0.02075	-0.08382	0.07034	-0.15384	0.00085
0.01573	0.031985	0.49049	-0.25652	1.88E-08
0.00037	0.04313	0.35238	-0.18347	6.66E-05
0.01983	-0.00541	0.90716	-0.01175	0.8001
0.0007	-0.04001	0.3883	0.203368	9.45E-06
1.04E-06	-0.06276	0.17576	-0.27981	7.56E-10
0.06405	0.087387	0.05916	0.004455	0.92351
0.64464	0.106567	0.02126	-0.13462	0.00356
0.00155	0.086027	0.06324	-0.28615	2.99E-10
0.00012	0.024289	0.60059	-0.22679	7.32E-07
0.33584	-0.08552	0.06481	-0.07651	0.09868
0.3229	0.053976	0.24436	-0.099	0.03244
0.92262	0.02597	0.5756	-0.14298	0.00195
0.62253	-0.01939	0.67605	-0.11139	0.01603
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0.36083	0.088909	0.05486	-0.04609	0.32025
0.0254	0.04821	0.29851	-0.15609	0.00071
0.32398	-0.03577	0.44056	0.001754	0.96985
0.80895	-0.08806	0.05723	-0.04091	0.37774
0.00387	-0.03533	0.44621	-0.26419	6.74E-09
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5.44E-09	0.284949	3.57E-10	-0.1877	4.47E-05
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8.73E-09	-0.21874	1.82E-06	-0.30619	1.36E-11

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0.20165	-0.01584	0.73286	-0.03326	0.47338
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0.98214	0.100381	0.03009	0.115248	0.0127
0.3845	-0.0233	0.61552	0.165973	0.00032
0.01341	0.05314	0.25176	-0.09391	0.04252
0.32515	0.040982	0.3769	0.020065	0.66538
0.35703	-0.0424	0.36064	0.120201	0.00932
0.43569	-0.11917	0.00995	0.396439	5.01E-19
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0.88736	0.112988	0.01457	0.031575	0.49607
0.78748	-0.06509	0.16021	0.063975	0.16752
0.27207	0.038562	0.40574	-0.233	3.54E-07
0.65253	0.007771	0.86699	0.018097	0.69649
0.1687	-0.09655	0.03701	-0.08688	0.06066
0.01947	-0.10143	0.0284	-0.46568	1.64E-26
0.38748	0.073905	0.11071	0.204784	8.16E-06
0.67732	-0.01537	0.74051	0.073515	0.11261
0.02702	0.062893	0.17483	0.138755	0.00266
0.51594	-0.05979	0.19714	-0.08883	0.05508
0.07377	0.019054	0.6813	-0.40777	3.89E-20
0.17037	0.036228	0.43477	-0.08109	0.08003
0.29537	0.110412	0.01699	-0.44207	9.18E-24
0.42898	0.118045	0.01068	-0.15005	0.00114
0.55459	-0.02009	0.66494	-0.18912	3.90E-05
0.4362	-0.05552	0.23114	0.126271	0.00629
0.31217	-0.07368	0.11181	0.022199	0.63229
0.02627	-0.0402	0.38607	0.126381	0.00624
0.037	-0.02923	0.52858	0.003494	0.93997
0.99869	-0.05912	0.2022	0.161441	0.00046
0.82224	0.057853	0.21206	-0.0334	0.47151
0.68264	0.074376	0.10845	0.151091	0.00106
0.80082	0.01239	0.78943	-0.17754	0.00011
0.21827	0.04915	0.28917	-0.11711	0.01132
4.53E-05	-0.20868	5.43E-06	0.074893	0.10601
0.00665	0.058458	0.20732	-0.1725	0.00018
0.24608	-0.039	0.40044	-0.23008	5.00E-07
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0.2416	0.026614	0.56617	0.163157	0.0004
0.00323	0.004171	0.92837	-0.26789	4.07E-09

3.10E-06	0.001587	0.97271	-0.40652	5.19E-20
0.02909	-0.01419	0.75972	-0.14147	0.00218
0.63478	0.071882	0.12085	-0.22197	1.27E-06
0.79701	0.229638	5.26E-07	-0.39511	6.73E-19
3.22E-07	0.293306	1.02E-10	0.169669	0.00023
0.86439	-0.00262	0.95495	-0.29062	1.53E-10
0.02457	0.027632	0.55141	-0.27866	8.92E-10
0.00125	-0.00273	0.95305	-0.18262	7.21E-05
0.10241	0.005923	0.89843	-0.1972	1.77E-05
0.00024	0.001387	0.97616	0.516011	3.89E-33
2.58E-05	-0.07857	0.08989	-0.17069	0.00021
0.12403	-0.06131	0.18596	-0.00553	0.90515
0.05097	0.029317	0.52739	0.236773	2.26E-07
0.00576	-0.01825	0.69409	0.14995	0.00115
4.90E-06	0.045889	0.32241	-0.30753	1.10E-11
0.15931	-0.04109	0.37561	-0.19853	1.55E-05
0.19137	0.003873	0.93348	0.022147	0.63309
0.1349	-0.02672	0.56456	-0.1194	0.0098
0.1645	-0.02551	0.58234	0.273441	1.88E-09
0.00195	0.042419	0.36038	-0.17248	0.00018
0.04606	0.052119	0.26099	0.012991	0.77949
0.73958	-0.07781	0.09304	0.09592	0.03826
0.02653	0.020799	0.65392	-0.29362	9.71E-11
0.01957	-0.05778	0.21263	0.032294	0.48631
0.65099	0.066558	0.15099	-0.09101	0.04936
0.04595	0.005767	0.90108	-0.07495	0.10573
0.33618	-0.08269	0.07424	0.078691	0.0894
0.00601	-0.01166	0.80165	-0.25058	4.06E-08
0.91909	0.001354	0.97672	-0.03442	0.45806
0.90396	-0.06128	0.18615	0.02457	0.59638
0.12016	0.033436	0.47102	-0.43676	3.56E-23
0.00044	0.154174	0.00083	0.121133	0.00878
0.16014	-0.1305	0.00473	0.181226	8.20E-05
2.01E-07	0.057111	0.21799	0.210427	4.50E-06
0.47872	-0.04839	0.29674	0.242031	1.19E-07
0.05908	0.049512	0.28563	-0.19336	2.59E-05
0.00891	-0.0222	0.63234	0.071234	0.12424
0.88325	0.131185	0.00452	-0.18413	6.27E-05
0.26227	0.063277	0.17221	-0.3992	2.72E-19
0.85868	0.00582	0.90018	-0.21298	3.43E-06
0.07801	-0.00895	0.84697	-0.24962	4.59E-08
0.09433	0.063757	0.16898	-0.10743	0.02023
0.89649	0.206109	7.11E-06	-0.21661	2.31E-06
0.01398	-0.13649	0.00312	-0.24417	9.12E-08
0.23961	-0.03763	0.41722	-0.20656	6.78E-06

2.25E-05	0.516665	3.14E-33	-0.22884	5.77E-07
0.77011	0.097582	0.03502	0.113452	0.01416
0.07032	0.073067	0.11482	-0.20883	5.34E-06
0.02431	0.035137	0.44875	-0.33289	1.51E-13
0.06735	-0.05374	0.24646	0.014667	0.75191
0.68556	-0.03846	0.40694	-0.04063	0.38101
0.05202	0.043178	0.35184	-0.24461	8.63E-08
0.37003	0.005461	0.90631	-0.27297	2.01E-09
0.01449	0.084263	0.06887	-0.27409	1.71E-09
0.3446	-0.02076	0.65459	0.249614	4.59E-08
0.34792	-0.0138	0.76619	0.2593	1.30E-08
0.00025	0.123391	0.00759	-0.19628	1.94E-05
0.04816	0.00813	0.8609	-0.0322	0.48763
0.76267	0.015732	0.73454	-0.0669	0.1489
0.01377	-0.04321	0.35148	-0.36865	1.76E-16
0.35946	0.045079	0.33102	-0.25398	2.61E-08
0.02888	0.018183	0.69511	-0.37921	2.03E-17
0.24661	0.021345	0.64546	-0.35124	5.26E-15
4.83E-05	-0.00025	0.99562	0.43383	7.46E-23
2.95E-07	-0.01374	0.76707	-0.00906	0.84511
0.16286	-0.02579	0.57828	-0.00107	0.9816
0.11747	-0.04942	0.28651	-0.14827	0.00131
0.02507	0.110654	0.01675	-0.40851	3.29E-20
0.36993	-0.09222	0.04639	-0.19219	2.90E-05
0.18697	0.056806	0.22046	0.064932	0.16124
0.06844	0.102254	0.02713	-0.06553	0.15739
0.08749	-0.01229	0.79108	0.24836	5.38E-08
0.10259	-0.0091	0.8445	0.287132	2.58E-10
0.00025	-0.02414	0.60275	-0.32149	1.09E-12
1.11E-06	0.036758	0.42808	-0.03137	0.49885
0.67334	0.098527	0.03328	-0.25574	2.08E-08
0.34413	0.072572	0.11731	-0.18315	6.86E-05
0.81918	0.026705	0.56485	-0.16136	0.00046
0.0907	0.046615	0.3148	-0.23269	3.68E-07
0.13937	0.010848	0.81514	-0.37101	1.09E-16
0.70936	0.055643	0.23007	-0.402	1.45E-19
0.07922	0.139872	0.00245	0.012773	0.78309
0.69476	0.123979	0.00731	-0.25574	2.08E-08
0.63996	6.47E-05	0.99889	-0.20613	7.09E-06
1.45E-05	0.014225	0.75915	-0.33462	1.11E-13
0.00028	0.292833	1.10E-10	-0.16465	0.00035
0.23012	-0.05206	0.26157	0.039057	0.39973
0.01126	0.092277	0.04626	-0.27705	1.12E-09
0.30779	0.083153	0.07262	-0.01719	0.71094
0.63825	0.118136	0.01062	-0.35407	3.07E-15

0.03871	-0.11766	0.01093	-0.20822	5.70E-06
0.98207	0.243012	1.05E-07	-0.47117	3.50E-27
0.51871	0.053089	0.25221	-0.14272	0.00199
1.15E-06	0.038539	0.40603	0.235033	2.78E-07
0.40325	0.075247	0.10437	0.180951	8.41E-05
0.24447	0.041215	0.37419	0.075081	0.10513
0.24133	0.195652	2.06E-05	-0.25582	2.06E-08
0.92011	-0.05866	0.20576	0.18143	8.05E-05
0.01255	0.009452	0.83857	-0.45202	6.77E-25
0.73324	0.039195	0.39808	-0.13851	0.0027
0.85278	-0.04979	0.28297	0.017128	0.712
0.02573	0.044998	0.3319	0.023071	0.61898
0.70997	-0.03109	0.50278	0.037544	0.41826
0.18985	-0.01421	0.75943	0.104814	0.0235
0.00103	0.068956	0.13677	-0.22623	7.82E-07
0.20304	0.047928	0.30134	-0.16225	0.00043
0.17299	-0.00902	0.84593	-0.13261	0.0041
0.16421	0.043749	0.34551	-0.12942	0.00509
0.05936	-0.02476	0.59356	0.057067	0.21835
0.78022	0.080455	0.08242	0.021944	0.63621
0.75567	0.003467	0.94044	0.058524	0.2068
0.60355	0.133223	0.00392	-0.10042	0.03002
0.13874	-0.05704	0.21858	-0.01394	0.7639
0.00921	0.123921	0.00734	0.357698	1.53E-15
0.09684	0.034565	0.45617	0.074915	0.10591
0.19732	0.10347	0.02535	0.018186	0.69506
0.34892	-0.1301	0.00486	0.057161	0.21759
6.76E-07	0.140251	0.00238	-0.14224	0.00206
0.91335	-0.10805	0.01951	0.170212	0.00022
0.74582	-0.10948	0.01795	0.355406	2.38E-15
0.0258	0.087596	0.05855	-0.16944	0.00023
0.00129	-0.01437	0.75675	-0.29	1.68E-10
0.0033	-0.0969	0.03633	0.001775	0.96948
0.78536	0.143444	0.00189	-0.09461	0.04099
0.07349	0.001102	0.98105	0.009816	0.83245
0.58652	-0.10199	0.02754	0.316003	2.74E-12
0.15565	0.026448	0.5686	-0.15693	0.00067
0.77624	0.09686	0.0364	-0.20249	1.03E-05
0.55514	-0.07032	0.12915	0.034678	0.45469
8.19E-09	0.128125	0.00556	0.371451	1.00E-16
0.38993	0.139128	0.00259	-0.10594	0.02204
0.37925	-0.06888	0.13721	-0.23577	2.55E-07
0.26719	0.030784	0.50693	0.003647	0.93735
0.25322	0.000784	0.98651	0.021402	0.64458
0.00059	-0.0145	0.75463	-0.13923	0.00257

0.88822	-0.1191	0.00999	-0.15508	0.00077
0.00087	-0.13102	0.00457	0.05471	0.23799
0.14414	-0.06212	0.18022	-0.02236	0.62989
0.07667	-0.01752	0.70566	-0.03861	0.40517
0.61146	0.061048	0.18786	-0.16409	0.00037
1.90E-05	0.120177	0.00934	0.26944	3.28E-09
0.09414	0.077334	0.09507	-0.22345	1.07E-06
0.70779	0.101797	0.02783	-0.14314	0.00193
0.05555	0.095318	0.03949	-0.24018	1.49E-07
0.32254	0.207294	6.28E-06	-0.38165	1.22E-17
0.19231	0.069881	0.13157	-0.09916	0.03216
0.12914	0.130004	0.0049	-0.13245	0.00414
0.03382	-0.08933	0.05371	0.190048	3.57E-05
0.25534	-0.01558	0.73706	-0.27322	1.94E-09
0.68127	-0.02658	0.56673	-0.0658	0.15571
0.02792	0.077851	0.09288	-0.26474	6.25E-09
0.85224	-0.0239	0.60645	-0.07928	0.08703
0.72769	0.065581	0.15709	-0.00111	0.98089
0.71652	-0.04583	0.32305	0.034475	0.45734
0.74968	-0.09737	0.03543	0.186378	5.07E-05
0.40467	0.099847	0.03098	-0.0491	0.28969
0.06375	-0.02929	0.52781	-0.21739	2.11E-06
0.5025	-0.05401	0.24409	0.034809	0.45299
0.17526	-0.00469	0.91942	-0.01979	0.66965
0.40304	-0.09191	0.04713	-0.14425	0.00178
0.38388	-0.00396	0.93191	-0.04504	0.33142
0.23787	-0.00556	0.90464	0.055518	0.23113
0.86302	0.040616	0.38117	0.000346	0.99406
0.11635	-0.04715	0.30928	0.017831	0.70074
0.033	-0.2078	5.95E-06	-0.14003	0.00242
0.73036	0.225105	8.89E-07	-0.09676	0.0366
0.08369	0.121353	0.00866	-0.27251	2.14E-09
0.27194	0.003004	0.94837	-0.11396	0.01373
0.20626	-0.03717	0.42293	-0.10319	0.02575
0.01028	0.060203	0.19405	-0.07171	0.12174
0.39209	-0.02252	0.62744	-0.18255	7.26E-05
0.21225	0.033266	0.47328	-0.22757	6.69E-07
0.76245	0.059499	0.19932	-0.03436	0.45885
0.43436	0.06037	0.19281	-0.00207	0.96437
0.34553	0.012288	0.79113	-0.07212	0.1196
0.36625	0.03103	0.50354	-0.3159	2.78E-12
0.21799	-0.009	0.84623	-0.04067	0.38054
0.00166	0.09974	0.03116	-0.60249	1.78E-47
3.34E-07	0.015777	0.73381	-0.39939	2.60E-19
0.098	0.062325	0.17877	-0.20891	5.29E-06

0.01905	0.117836	0.01082	-0.35251	4.14E-15
0.00236	0.077241	0.09547	-0.28076	6.59E-10
0.00026	0.114386	0.01338	-0.52145	6.39E-34
2.90E-08	-0.06745	0.14556	-0.22536	8.63E-07
0.46237	-0.0342	0.46093	-0.07581	0.10178
0.01191	0.068682	0.13834	-0.29731	5.51E-11
0.33209	0.111356	0.01606	-0.20073	1.24E-05
0.00118	0.124287	0.00716	0.339714	4.45E-14
2.52E-05	0.003928	0.93254	-0.11697	0.01142
0.48701	0.001099	0.98111	-0.0756	0.10273
0.07091	-0.06851	0.13932	-0.04256	0.35882
0.11138	-0.01189	0.79777	-0.21441	2.93E-06
0.8949	0.091946	0.04705	-0.16979	0.00023
0.01777	0.069241	0.13515	-0.33363	1.32E-13
0.0041	0.113943	0.01375	-0.35632	2.00E-15
0.00517	0.124556	0.00704	-0.352	4.56E-15
0.25088	-0.01269	0.7844	-0.13079	0.00464
0.11377	0.028029	0.54571	0.294346	8.69E-11
0.0288	0.053554	0.24807	0.05651	0.22288
0.88626	0.078241	0.09125	0.06598	0.15457
0.37208	-0.00668	0.8855	-0.22276	1.16E-06
0.08488	-0.07141	0.12332	0.267702	4.17E-09
0.31799	-0.02714	0.55859	-0.24047	1.44E-07
4.05E-09	0.213035	3.40E-06	0.314356	3.60E-12
0.50616	-0.05854	0.20667	0.128596	0.00538
0.0235	-0.01739	0.70772	-0.37194	9.07E-17
0.00018	-0.07376	0.1114	0.041957	0.36565
0.71828	-0.06951	0.13365	-0.30588	1.43E-11
0.12325	-0.07133	0.12374	-0.17317	0.00017
6.77E-05	0.045334	0.3283	-0.25108	3.81E-08
0.27047	0.016951	0.71484	0.129278	0.00514
0.37567	0.22187	1.28E-06	-0.39634	5.12E-19
0.30951	0.028893	0.53339	-0.23509	2.76E-07
0.67789	0.021966	0.63587	-0.11617	0.012
0.98403	0.092733	0.04519	-0.34696	1.17E-14
0.13001	-0.02827	0.54223	-0.03063	0.50903
2.81E-06	-0.21771	2.04E-06	-0.04637	0.31736
0.19829	0.168871	0.00025	-0.20933	5.06E-06
0.00206	-0.01964	0.67207	-0.34024	4.04E-14
0.15663	0.065537	0.15737	-0.17643	0.00013
0.24759	-0.03879	0.40297	-0.02512	0.58817
0.05819	-0.01387	0.76492	-0.31678	2.41E-12
0.59483	-0.01895	0.68297	-0.00375	0.93555
0.00052	0.205299	7.73E-06	-0.20935	5.05E-06
0.29863	-0.05403	0.24392	0.05371	0.2467



0.32021	0.022476	0.62806	0.057219	0.21713
0.12535	-0.06086	0.1892	0.417338	4.17E-21
0.07176	0.032561	0.48271	0.080583	0.08193
0.11714	0.093086	0.04437	-0.39825	3.35E-19
0.0711	0.269176	3.40E-09	-0.1428	0.00198
0.02356	0.084349	0.06858	0.154313	0.00082
0.00142	0.043114	0.35256	-0.29507	7.78E-11
0.34679	0.043271	0.3508	-0.11952	0.00973
0.0052	0.019304	0.67734	0.416114	5.57E-21
0.03403	0.084701	0.06743	-0.05942	0.19991
0.36054	-0.10517	0.02303	0.033549	0.46952
0.02872	0.087479	0.05889	-0.02412	0.60308
0.77482	0.134373	0.00362	-0.03898	0.40069
0.00273	-0.12602	0.00639	0.082202	0.07596
0.4825	0.131265	0.00449	-0.20756	6.10E-06
0.33962	-0.08894	0.05477	0.189975	3.60E-05
0.37615	0.088421	0.05621	0.054715	0.23795
0.0029	-0.21875	1.82E-06	0.083662	0.07088
0.49063	0.055566	0.23072	0.07803	0.09212
0.01242	0.140833	0.00228	-0.31796	1.98E-12
0.00311	0.072164	0.11939	0.208373	5.60E-06
0.16946	-0.0338	0.46622	0.024894	0.59154
0.00581	-0.04052	0.38232	0.064984	0.1609
0.63495	0.198905	1.49E-05	-0.20664	6.72E-06
0.0002	0.020713	0.65526	-0.40607	5.75E-20
0.49218	0.0288	0.53471	0.112546	0.01496
0.01729	0.021758	0.63907	-0.23058	4.71E-07
0.5235	-0.07613	0.10033	-0.06607	0.15401
2.16E-08	-0.14647	0.0015	-0.50553	1.15E-31
0.00322	0.020175	0.66366	0.324291	6.76E-13
0.07812	0.02319	0.61717	-0.29014	1.65E-10
0.51639	-0.08143	0.07877	0.139974	0.00243
0.00031	0.065564	0.15719	0.314855	3.31E-12
0.18545	0.048249	0.29811	-0.35083	5.68E-15
5.62E-05	0.100144	0.03048	-0.15006	0.00114
0.13545	-0.09415	0.04199	0.21406	3.05E-06
0.69134	-0.06389	0.1681	0.03791	0.41374
0.95194	-0.04511	0.33064	0.190725	3.34E-05
0.16919	0.094267	0.04173	-0.15246	0.00095
0.98134	0.021886	0.63711	-0.14112	0.00224
0.00013	0.038707	0.40398	-0.47369	1.71E-27
0.06625	0.087201	0.0597	0.116832	0.01152
0.00204	0.012438	0.78864	-0.20878	5.36E-06
0.41151	-0.00085	0.98535	0.000282	0.99515
0.13514	-0.15971	0.00053	-0.18707	4.75E-05

0.00802	0.109489	0.01794	-0.03624	0.43458
0.79129	-0.09005	0.05181	0.066058	0.15408
0.00854	0.015653	0.73584	-0.19459	2.29E-05
0.62351	0.230188	4.94E-07	-0.40878	3.09E-20
0.28871	0.115719	0.01233	-0.09078	0.04994
0.18447	-0.0687	0.13825	-0.04766	0.30407
0.85282	0.029949	0.51853	0.208255	5.67E-06
0.31789	0.216849	2.25E-06	0.090594	0.0504
4.49E-09	0.048196	0.29865	-0.25355	2.77E-08
0.8858	-0.03662	0.42983	-0.31337	4.23E-12
0.48179	-0.041	0.37671	0.317377	2.18E-12
0.09219	0.024196	0.60198	-0.20859	5.48E-06
0.08094	-0.00189	0.96749	0.111244	0.01617
0.78543	-0.01174	0.80018	0.203954	8.89E-06
0.00991	0.062538	0.17729	0.087269	0.0595
0.90205	0.080939	0.08059	-0.1342	0.00367
0.02005	-0.04801	0.30054	0.243113	1.04E-07
0.83129	-0.04449	0.33743	-0.01606	0.7292
0.95436	-0.07963	0.08561	0.094106	0.04208
0.02485	0.003925	0.93259	-0.23766	2.03E-07
0.03167	0.074793	0.10648	-0.24052	1.43E-07
0.16008	-0.04231	0.36163	-0.02062	0.65672
0.02076	-0.02354	0.61188	-0.30708	1.18E-11
0.00101	0.069678	0.1327	-0.40783	3.84E-20
1.25E-05	-0.00013	0.99777	0.44019	1.49E-23
0.095	0.160812	0.00049	0.034841	0.45257
0.86249	0.043956	0.34323	-0.10157	0.02818
4.24E-08	0.118435	0.01042	0.24465	8.59E-08
0.00035	0.097249	0.03565	-0.03389	0.46504
1.63E-05	0.049418	0.28655	0.269239	3.37E-09
0.50846	0.104835	0.02347	0.135995	0.00323
0.90281	0.075317	0.10404	-0.07193	0.1206
0.35614	0.083497	0.07144	-0.26025	1.15E-08
0.99466	0.009833	0.83217	0.063522	0.17055
0.60731	-0.03077	0.50717	0.007987	0.86332
0.26534	-0.02173	0.63956	-0.05328	0.25053
0.57561	0.035993	0.43776	-0.33036	2.36E-13
0.07689	0.043941	0.34339	-0.1438	0.00184
0.11813	0.017375	0.70803	0.295071	7.78E-11
0.00268	0.043172	0.35192	-0.21054	4.45E-06
0.35741	-0.00366	0.93718	0.090763	0.04997
0.55087	-0.0186	0.68855	-0.05426	0.24185
0.00956	0.094439	0.04136	-0.21258	3.58E-06
0.09007	-0.00931	0.84091	-0.08829	0.05657
0.27061	-0.06555	0.1573	-0.00635	0.89107

0.60155	-0.09225	0.04632	0.229199	5.54E-07
0.18913	0.115285	0.01267	-0.2101	4.66E-06
0.3841	0.11299	0.01456	-0.07559	0.10279
0.00189	0.040678	0.38045	-0.17243	0.00018
0.00096	0.086345	0.06226	-0.28443	3.85E-10
0.8189	0.013491	0.77122	0.032202	0.48756
0.57245	-0.06049	0.19196	-0.11515	0.01277
4.55E-06	-0.04615	0.31971	-0.36723	2.35E-16
0.00987	0.067605	0.14464	-0.27739	1.07E-09
0.00028	0.150902	0.00107	0.20605	7.15E-06
0.41319	-0.04214	0.36359	-0.13704	0.003
0.98503	0.020724	0.6551	-0.24038	1.46E-07
0.8361	-0.07016	0.13005	0.093834	0.04268
0.6353	0.041033	0.3763	-0.10202	0.02748
0.00165	0.005685	0.90249	-0.33087	2.16E-13
0.00155	0.155196	0.00076	-0.31335	4.25E-12
0.00101	-0.03917	0.39837	-0.25273	3.07E-08
0.41056	0.111278	0.01614	-0.0314	0.49846
0.19006	-0.02631	0.57063	-0.05334	0.24999
2.86E-09	-0.0817	0.07778	-0.06972	0.13248
0.00027	0.124272	0.00717	-0.00765	0.86897
0.195	0.128351	0.00547	-0.36903	1.63E-16
0.04428	-0.03581	0.44012	0.058028	0.21068
1.61E-06	0.172192	0.00018	0.216277	2.39E-06
0.01073	-0.06076	0.18993	-0.05018	0.27921
0.15138	0.069115	0.13587	-0.05229	0.25943
0.78948	-0.06256	0.17716	0.242655	1.10E-07
0.49165	0.017673	0.70326	-0.124	0.0073
0.00682	0.004797	0.91765	-0.24189	1.21E-07
0.46032	0.001875	0.96777	-0.16123	0.00047
0.98795	0.107232	0.02046	0.093481	0.04347
0.00148	-0.15573	0.00073	-0.28326	4.58E-10
0.03449	-0.05509	0.23474	0.327211	4.08E-13
0.54152	0.029896	0.51927	0.076746	0.09762
0.25765	0.123458	0.00756	-0.09629	0.03751
0.8176	0.039763	0.39127	-0.12502	0.00683
0.38358	-0.15773	0.00062	0.086359	0.06222
0.00652	-0.06634	0.15232	-0.30495	1.66E-11
6.75E-12	0.34782	1.00E-14	0.076263	0.09975
0.76491	-0.04993	0.28156	0.077081	0.09616
0.97113	0.117309	0.01118	-0.13519	0.00342
0.37656	0.023351	0.61473	0.138837	0.00264
0.18033	0.145074	0.00167	0.127689	0.00572
0.49907	0.046745	0.31345	-0.22531	8.69E-07
0.00552	0.052891	0.25399	-0.34074	3.69E-14

0.06107	0.047575	0.30493	0.279653	7.73E-10
0.30936	-0.01851	0.68997	0.045093	0.33087
7.28E-05	0.073209	0.11412	-0.25608	1.99E-08
0.0317	0.019033	0.68163	0.05156	0.26615
0.01494	-0.04653	0.31563	-0.09017	0.0515
0.26047	0.137836	0.00284	-0.28162	5.81E-10
6.51E-05	0.06278	0.17561	0.256331	1.92E-08
9.89E-06	0.279289	8.15E-10	0.040567	0.38175
0.00024	0.32962	2.69E-13	-0.02844	0.53977
0.00452	0.358744	1.25E-15	-0.24158	1.26E-07
0.96705	0.011743	0.8002	0.176959	0.00012
0.48404	0.053429	0.24918	-0.1482	0.00132
0.00462	-0.05451	0.23975	0.071797	0.12129
0.38323	0.013864	0.76509	0.118615	0.0103
0.28874	-0.05233	0.25906	-0.0039	0.93309
0.00188	0.062817	0.17536	-0.18788	4.39E-05
0.84864	0.179355	9.73E-05	-0.20654	6.80E-06
0.46398	-0.01828	0.69365	-0.00742	0.873
0.20602	0.023498	0.61251	-0.00433	0.92557
0.79314	0.077849	0.09288	-0.27843	9.23E-10
0.13196	0.049724	0.28357	-0.0707	0.12707
0.01093	0.040795	0.37908	-0.1664	0.0003
0.37359	-0.04143	0.37169	-0.06104	0.18794
0.08744	0.070297	0.12928	-0.17895	0.0001
0.53577	-0.09679	0.03653	-0.15468	0.0008
0.11154	0.034733	0.45398	-0.21324	3.33E-06
6.85E-06	-0.01263	0.78549	0.255858	2.05E-08
0.00143	-0.00508	0.91289	0.103706	0.02502
0.80203	-0.03014	0.51581	0.260875	1.05E-08
0.0009	-0.04792	0.3014	0.04847	0.29591
0.32416	-0.05492	0.23616	-0.10733	0.02035
0.00329	-0.10497	0.02329	-0.19083	3.31E-05
7.79E-08	-0.02964	0.52282	-0.22407	1.00E-06
0.01235	0.05803	0.21067	-0.20131	1.17E-05
0.41167	-0.13097	0.00458	-0.03054	0.51036
0.54817	0.014262	0.75855	0.068025	0.14216
0.2581	-0.09896	0.03251	-0.19235	2.85E-05
0.80477	0.049254	0.28815	0.022003	0.6353
0.53578	0.098114	0.03403	-0.01049	0.82115
0.97293	-0.21678	2.26E-06	0.135645	0.00331
0.08376	0.070638	0.12743	-0.37485	5.00E-17
0.11909	0.121734	0.00845	-0.04722	0.30857
0.50718	-0.00994	0.83031	0.009633	0.83552
0.01418	0.014142	0.76052	-0.25209	3.34E-08
9.95E-05	0.234661	2.91E-07	0.017216	0.71058

0.39704	0.022389	0.62938	-0.03934	0.39629
0.75545	-0.09498	0.0402	0.052128	0.26091
0.46216	0.021359	0.64523	0.042105	0.36395
0.0482	-0.06368	0.16951	0.225926	8.09E-07
0.10262	0.061347	0.1857	-0.33632	8.20E-14
0.16573	0.019555	0.67339	0.125172	0.00676
0.45679	0.082746	0.07403	0.05229	0.25943
0.13652	-0.17525	0.00014	0.249621	4.59E-08
0.73191	-0.018	0.69799	0.131711	0.00436
0.4454	-0.06798	0.14242	0.067816	0.14339
2.79E-05	0.018947	0.683	0.232812	3.62E-07
0.97446	-0.11008	0.01733	0.234336	3.02E-07
0.00088	0.221259	1.37E-06	-0.17419	0.00015
0.02605	0.127364	0.00585	-0.06001	0.19547
0.02995	-0.06778	0.14363	0.400117	2.21E-19
0.00181	0.055961	0.22742	-0.20333	9.49E-06
0.11088	0.073029	0.11501	-0.2181	1.95E-06
0.03123	-0.01971	0.67091	0.324477	6.54E-13
0.00955	0.064895	0.16148	-0.2131	3.38E-06
0.0143	0.126666	0.00613	0.133824	0.00376
0.01426	0.051561	0.26614	-0.07267	0.11684
0.05007	0.134131	0.00368	0.164172	0.00037
0.41525	-0.09406	0.04219	0.064823	0.16195
0.00012	-0.08456	0.06789	-0.38739	3.60E-18
0.03211	0.111589	0.01584	-0.22152	1.33E-06
0.42977	0.085184	0.06588	-0.1792	9.87E-05
0.03409	0.034842	0.45256	0.051688	0.26496
0.00445	-0.04873	0.29331	0.13102	0.00457
0.4479	-0.09989	0.03092	-0.06609	0.15386
0.32733	0.014026	0.76242	-0.16344	0.00039
0.03326	0.002434	0.95816	-0.18838	4.19E-05
0.32723	0.042298	0.36176	-0.13815	0.00277
0.33833	0.012825	0.78222	-0.21451	2.90E-06
0.0042	0.024146	0.60273	-0.12175	0.00844
0.08847	-0.09178	0.04746	0.151431	0.00103
0.20738	0.035578	0.44307	-0.16087	0.00048
0.97546	0.042253	0.36226	0.001797	0.9691
0.00026	-0.01861	0.68837	-0.23952	1.62E-07
0.91803	0.04234	0.36128	0.120985	0.00887
0.09255	-0.12244	0.00808	-0.15314	0.0009
0.0656	0.140154	0.0024	-0.36157	7.19E-16
0.00574	-0.17803	0.00011	-0.22852	5.99E-07
0.61244	0.022406	0.62912	-0.11433	0.01343
0.00612	0.036373	0.43294	-0.40048	2.04E-19
0.1833	0.086948	0.06045	-0.04191	0.36622

0.02122	0.026928	0.5616	0.316087	2.70E-12
3.41E-10	0.017136	0.71186	-0.37967	1.84E-17
0.05634	-0.01795	0.69881	0.287028	2.62E-10
0.39382	-0.06485	0.1618	0.345478	1.55E-14
0.52664	0.022693	0.62474	-0.0308	0.50673
0.9644	-0.00057	0.9902	0.090963	0.04947
0.33328	-0.0156	0.73666	0.084282	0.0688
0.57694	0.231561	4.20E-07	-0.00664	0.88613
0.02344	0.111812	0.01563	-0.23505	2.77E-07
0.05943	-0.00649	0.88882	-0.14489	0.00169
0.24464	-0.07672	0.09773	0.272851	2.04E-09
0.02973	-0.08375	0.07059	-0.11085	0.01656
0.53531	-0.15288	0.00092	0.084892	0.06682
0.58244	-0.12009	0.00939	0.020287	0.66192
0.02802	-0.04638	0.31723	-0.05529	0.23305
0.23712	-0.01457	0.75345	-0.04214	0.3636
0.38282	-0.09345	0.04355	-0.02417	0.60236
6.78E-06	0.01073	0.81711	-0.04846	0.29598
0.19352	-0.11489	0.01298	0.169372	0.00024
0.12221	0.040617	0.38117	-0.23823	1.89E-07
0.01374	-0.07814	0.09168	-0.11563	0.0124
0.00272	0.031599	0.49574	-0.05854	0.20671
0.00958	-0.09638	0.03733	0.102694	0.02648
0.37262	-0.20452	8.38E-06	0.381694	1.21E-17
0.84659	0.076079	0.10058	-0.07689	0.09699
0.35902	-0.09792	0.0344	-0.00059	0.9898
0.57129	0.04917	0.28897	-0.25844	1.46E-08
0.44683	-0.086	0.06331	0.104407	0.02405
0.0002	0.050298	0.27804	0.194067	2.41E-05
0.16072	-0.18186	7.73E-05	-0.0979	0.03443
0.13047	-0.04824	0.29822	-0.21437	2.95E-06
0.39308	-0.13767	0.00287	-0.01688	0.71601
0.4448	0.008453	0.85544	-0.31449	3.52E-12
0.0053	-0.17197	0.00019	0.018807	0.6852
0.68569	0.047436	0.30635	-0.18141	8.06E-05
0.01658	-0.22047	1.50E-06	-0.2758	1.34E-09
0.0198	-0.07491	0.10594	-0.20805	5.80E-06
0.58276	-0.07366	0.1119	-0.24852	5.28E-08
0.21391	-0.04353	0.34788	-0.30139	2.91E-11
2.95E-09	-0.29403	9.12E-11	-0.21312	3.37E-06
0.1004	-0.21373	3.16E-06	-0.09375	0.04288
0.61043	-0.12317	0.00771	-0.23311	3.50E-07
0.4106	-0.26916	3.41E-09	-0.10604	0.02191
0.67043	-0.10512	0.0231	-0.31622	2.64E-12
0.56447	-0.10387	0.02479	-0.06131	0.18595

0.15764	-0.14947	0.0012	-0.22998	5.06E-07
0.01847	-0.14645	0.00151	-0.21907	1.76E-06
0.03516	-0.02624	0.57167	-0.46547	1.74E-26
0.05115	-0.23492	2.82E-07	-0.20459	8.33E-06
0.68834	-0.07145	0.12312	-0.29899	4.24E-11
0.01084	-0.2433	1.02E-07	-0.01755	0.70524
0.01056	-0.0347	0.45446	-0.41976	2.34E-21
0.00163	-0.09154	0.04805	-0.34936	7.50E-15
0.17222	-0.15309	0.0009	-0.22826	6.18E-07
0.78581	-0.01313	0.77712	-0.33359	1.33E-13
0.73259	-0.18854	4.13E-05	-0.11202	0.01544
0.00219	-0.0397	0.39207	-0.11679	0.01154
0.00378	-0.16023	0.00051	-0.04756	0.30506
0.07238	-0.17943	9.67E-05	-0.33077	2.19E-13
0.49425	-0.22779	6.53E-07	0.047001	0.3108
0.00076	-0.06355	0.17036	-0.25704	1.75E-08
0.87623	-0.16197	0.00044	-0.26173	9.40E-09
0.01596	0.006041	0.89641	-0.09644	0.03723
0.99093	-0.10352	0.02528	-0.01772	0.70255
0.46473	-0.15664	0.00068	-0.16576	0.00032
0.42113	-0.20795	5.86E-06	-0.16439	0.00036
0.4683	-0.00809	0.86155	-0.24351	9.89E-08
0.17308	-0.08524	0.06571	-0.12345	0.00757
0.07184	-0.03945	0.395	-0.33657	7.84E-14
0.20171	-0.04866	0.29406	-0.10641	0.02146
0.00386	-0.03883	0.40251	-0.41332	1.08E-20
0.28619	-0.24752	5.99E-08	-0.14344	0.00189
0.81884	-0.08171	0.07772	-0.23941	1.64E-07
0.79427	-0.17604	0.00013	-0.06913	0.13579
0.94579	-0.18734	4.63E-05	-0.27687	1.15E-09
0.09779	-0.1802	9.01E-05	-0.05149	0.2668
0.6293	-0.17379	0.00016	-0.18337	6.72E-05
0.01771	-0.22839	6.09E-07	-0.03081	0.50657
0.34994	-0.09772	0.03476	0.057698	0.21329
0.37542	-0.06973	0.13241	0.090641	0.05028
0.46022	-0.07694	0.09676	-0.00192	0.96707
0.01249	-0.00078	0.98656	0.087275	0.05949
0.01135	-0.01797	0.69858	0.134428	0.00361
0.42965	-0.09667	0.03676	0.054769	0.23749
0.31389	-0.03662	0.42978	0.114262	0.01348
0.05922	-0.08821	0.0568	0.200491	1.27E-05
0.19216	-0.05493	0.23611	0.035642	0.44224
0.09913	-0.05689	0.21979	0.092354	0.04608
0.99193	0.037647	0.41698	-0.06154	0.18428
0.37705	-0.05855	0.20657	0.034959	0.45105

0.42732	-0.0651	0.16018	0.086147	0.06287
0.21588	-0.00134	0.97691	0.060568	0.19136
0.01757	-0.04903	0.29032	0.123	0.00779
0.00892	-0.03403	0.46317	0.113567	0.01407
0.43217	-0.13855	0.0027	-0.04079	0.37915
0.0767	-0.04675	0.31342	0.083302	0.0721
0.92977	-0.10764	0.01999	0.210772	4.34E-06
0.48558	-0.02238	0.6296	0.062774	0.17566
0.10742	0.007891	0.86495	0.171704	0.00019
0.38051	-0.0745	0.10784	0.156977	0.00066
0.00423	-0.00488	0.91624	0.299875	3.69E-11
0.32163	-0.05736	0.21597	0.060328	0.19313
0.22927	-0.04722	0.3085	0.259216	1.31E-08
0.25918	-0.12776	0.0057	0.123288	0.00765
0.17965	-0.0713	0.12391	0.079068	0.08786
0.03248	-0.11079	0.01661	0.216604	2.31E-06
0.47012	-0.12056	0.00911	0.129473	0.00508
0.3853	0.006282	0.8923	0.092796	0.04504
0.38678	-0.03642	0.43237	0.086351	0.06224
0.00044	0.100369	0.03011	0.113779	0.01389
5.60E-05	0.103223	0.0257	0.108783	0.0187
0.28076	-0.07746	0.09455	0.056577	0.22234
0.02076	-0.01868	0.68729	0.216926	2.23E-06
0.70283	-0.03558	0.44304	-0.00393	0.93244
0.5468	-0.06374	0.16906	0.03311	0.47536
0.13904	-0.0235	0.61254	-0.07079	0.12662
0.60364	-0.10284	0.02626	0.02758	0.55216
5.58E-06	-0.01309	0.77782	0.314186	3.70E-12
0.08087	-0.07744	0.09462	0.093589	0.04323
0.07246	-0.05948	0.19947	0.080338	0.08287
0.92717	-0.06302	0.17394	0.067315	0.14638
0.0625	-0.04555	0.326	0.067686	0.14417
0.95128	-0.10278	0.02635	0.133683	0.0038
0.37551	-0.09326	0.04397	0.105466	0.02264
0.44319	-0.06375	0.16904	0.094494	0.04124
0.06485	-0.04805	0.3001	0.238395	1.86E-07
0.11642	-0.12085	0.00895	0.28876	2.03E-10
0.5615	-0.13587	0.00326	0.286733	2.74E-10
0.47217	-0.08279	0.07386	0.168706	0.00025
0.01073	-0.03256	0.48273	0.13399	0.00372
0.27195	-0.03638	0.43283	0.075234	0.10442
0.10522	-0.16551	0.00033	0.204868	8.09E-06
0.94008	0.018673	0.68733	-0.00294	0.94953
0.17052	-0.01082	0.81557	0.10465	0.02372
0.67348	-0.04178	0.36769	0.147578	0.00138



0.12772	-0.09009	0.0517	0.088345	0.05642
0.433	-0.06536	0.15847	0.154671	0.0008
0.87676	-0.09938	0.03178	0.036826	0.42722
0.16245	0.043127	0.35242	0.059649	0.19819
0.85177	0.063082	0.17354	-0.0688	0.13769
0.37365	-0.09236	0.04605	0.128373	0.00547
0.21315	-0.08447	0.06818	0.101476	0.02833
0.03967	-0.02656	0.56697	0.168494	0.00025
0.05134	0.017895	0.69971	0.095998	0.0381
0.01203	-0.04874	0.29319	0.366691	2.61E-16
0.03813	-0.07463	0.10726	0.22011	1.56E-06
0.82355	-0.06302	0.17399	0.25531	2.20E-08
0.85702	-0.0918	0.04741	0.029816	0.52039
0.00249	0.016573	0.72094	0.119681	0.00963
0.06267	-0.07176	0.12146	0.123623	0.00748
0.13959	0.006294	0.8921	0.148466	0.00129
0.05804	0.011555	0.80333	0.016495	0.7222
0.32986	-0.07667	0.09798	0.026836	0.56294
0.37498	-0.11051	0.0169	0.033289	0.47298
0.18588	-0.0782	0.09142	0.053475	0.24877
0.47653	-0.04951	0.28562	0.132543	0.00411
0.07901	-0.03841	0.4076	0.147355	0.00141
0.35051	-0.0778	0.09307	0.146881	0.00146
0.96661	-0.08997	0.05202	0.133405	0.00388
0.38816	-0.10826	0.01928	-0.06027	0.19355
0.61294	-0.0749	0.10599	0.097143	0.03585
0.22023	-0.02828	0.54214	0.076184	0.10011
0.02977	-0.03954	0.39399	0.1763	0.00013
0.02427	-0.06849	0.13942	0.19799	1.63E-05
0.12105	-0.07543	0.10352	0.147464	0.0014
0.27771	-0.03989	0.3898	0.135661	0.00331
0.10042	-0.00423	0.92736	0.223135	1.11E-06
0.20708	-0.07674	0.09765	-0.0599	0.19633
0.15428	-0.06181	0.18237	0.16099	0.00048
0.37091	-0.07453	0.1077	0.056358	0.22414
0.88599	-0.06819	0.14122	0.075161	0.10476
0.44766	-0.02003	0.66587	0.061534	0.18436
0.55625	0.002866	0.95074	0.03987	0.39
0.15594	-0.0393	0.39686	0.054672	0.23832
0.36204	-0.11289	0.01465	0.091656	0.04775
0.50234	-0.07939	0.08656	0.09934	0.03185
0.09971	-0.01726	0.70989	0.16832	0.00026
0.59506	-0.11207	0.01539	0.092418	0.04592
0.83701	0.020942	0.6517	0.030202	0.515
0.04435	-0.03301	0.47671	0.110697	0.01671

0.3711	-0.05675	0.22095	0.123775	0.00741
0.99646	-0.04479	0.33418	0.080913	0.08069
0.25111	-0.09112	0.04907	0.194392	2.34E-05
0.00245	-0.00422	0.92752	0.031161	0.50173
0.84817	-0.10346	0.02537	0.142727	0.00199
0.53171	-0.05942	0.19992	0.031649	0.49506
0.09428	-0.0643	0.16537	0.224654	9.36E-07
0.99316	-0.08647	0.06187	0.038694	0.40413
0.11094	-0.04634	0.31765	0.008111	0.86122
0.44177	-0.09867	0.03303	0.113638	0.01401
0.21133	-0.06871	0.13819	0.09787	0.03448
0.83386	-0.08888	0.05494	0.120247	0.00929
0.17387	-0.01575	0.73425	0.052426	0.25819
0.96549	-0.10498	0.02327	0.107829	0.01977
0.15169	-0.06362	0.16991	0.036685	0.429
0.87269	-0.03309	0.47569	0.156061	0.00071
0.10562	-0.06148	0.18474	0.093228	0.04404
0.95091	-0.07439	0.10841	0.120483	0.00916
0.2938	-0.0353	0.4467	0.066632	0.15053
0.32157	-0.04092	0.37762	0.086627	0.06141
0.96162	-0.0772	0.09563	0.084151	0.06924
0.16495	-0.04301	0.35372	0.066146	0.15353
0.09293	-0.08537	0.0653	0.12722	0.0059
0.13132	-0.08572	0.06419	0.142249	0.00206
0.43507	-0.09289	0.04481	0.065592	0.15702
0.12307	-0.04975	0.28333	0.132663	0.00408
0.98335	-0.04497	0.33218	0.121145	0.00878
0.05794	-0.0635	0.17071	0.197571	1.70E-05
0.65637	-0.05019	0.27912	0.070486	0.12826
0.29482	-0.00336	0.94221	0.060147	0.19447
0.71089	-0.0088	0.84963	0.113597	0.01404
0.1249	0.010015	0.8291	0.149346	0.00121
0.25662	-0.05068	0.27443	0.16724	0.00028
0.38429	-0.08741	0.05909	0.052076	0.26139
0.52709	-0.0488	0.29264	0.148681	0.00127
0.66711	-0.03013	0.51595	-0.11178	0.01566
0.19439	-0.07438	0.10844	0.057602	0.21406
0.52127	-0.10551	0.02259	0.112174	0.0153
0.88681	-0.05725	0.2169	0.113083	0.01448
0.00409	0.055158	0.23417	0.16262	0.00042
0.66184	-0.11921	0.00992	0.234343	3.02E-07
0.84429	-0.07738	0.09486	0.180903	8.45E-05
0.99941	-0.03454	0.45643	0.145247	0.00165
0.16564	-0.0836	0.0711	0.082708	0.07416
0.617	-0.07872	0.08926	0.115186	0.01274

0.00466	0.008827	0.84912	0.104774	0.02355
0.24165	-0.11877	0.01021	0.243935	9.39E-08
0.03725	-0.03421	0.46075	0.214701	2.84E-06
0.36452	-0.07994	0.0844	0.117708	0.0109
0.29346	-0.09068	0.05018	0.184171	6.24E-05
0.0131	0.005519	0.90531	0.059404	0.20004
0.40063	-0.09191	0.04713	0.02996	0.51837
0.73302	-0.08618	0.06276	0.172101	0.00019
0.62617	-0.09891	0.03259	0.079848	0.08477
0.64918	-0.08972	0.05266	0.128379	0.00546
0.8611	-0.08179	0.07745	0.088382	0.05632
0.15157	-0.07011	0.13031	0.07897	0.08826
0.73005	-0.05196	0.26243	0.044227	0.34025
0.02168	-0.01616	0.72766	0.049788	0.28295
0.26591	-0.00242	0.95846	0.161686	0.00045
0.20141	-0.09316	0.0442	0.104646	0.02372
0.8418	-0.05513	0.23443	0.118334	0.01049
0.36411	-0.07992	0.08449	0.093566	0.04328
0.55703	-0.06109	0.18757	0.015772	0.73391
0.20775	-0.06693	0.14871	0.044215	0.34038
0.14255	-0.02334	0.6149	0.072135	0.11954
0.02277	-0.06098	0.18835	0.116472	0.01178
0.71855	-0.09445	0.04133	0.07963	0.08563
0.89046	-0.12114	0.00878	0.090487	0.05068
0.00606	0.016655	0.71962	0.101772	0.02787
0.50374	-0.10788	0.01971	0.098994	0.03245
0.40464	-0.08657	0.06157	0.097787	0.03464
0.72845	-0.0899	0.05221	0.240412	1.45E-07
6.38E-06	0.12073	0.00901	0.168144	0.00026
0.07852	-0.06145	0.18493	0.185075	5.73E-05
0.07188	-0.06245	0.17789	0.115008	0.01288
0.78986	-0.04079	0.37918	0.077224	0.09554
0.58317	-0.03404	0.46306	0.147328	0.00141
0.11457	-0.06596	0.15471	0.064975	0.16096
0.6156	-0.08562	0.0645	0.115653	0.01238
0.10126	-0.07601	0.10089	0.124332	0.00714
0.19179	-0.02775	0.54978	0.116335	0.01188
0.58282	-0.10296	0.02609	0.088649	0.05557
0.14737	-0.02573	0.5791	0.06892	0.13698
0.14425	-0.07265	0.11693	0.028301	0.54181
0.55286	-0.07092	0.12592	0.050714	0.27409
0.09476	-0.04189	0.36645	0.082218	0.0759
0.95231	-0.09491	0.04034	0.082547	0.07473
0.32964	0.043682	0.34624	-0.0153	0.74155
0.07701	0.004944	0.91515	0.104703	0.02365

0.20381	-0.05634	0.22426	0.068925	0.13695
0.11454	-0.07051	0.12812	0.112461	0.01504
0.97448	-0.0424	0.36055	0.080933	0.08061
0.54985	-0.06635	0.15228	0.113045	0.01452
0.38701	-0.07434	0.1086	0.152696	0.00093
0.70751	-0.05652	0.22278	0.037951	0.41323
0.85414	-0.10191	0.02766	0.11361	0.01403
0.19839	-0.05648	0.22311	0.059351	0.20045
0.35945	-0.06375	0.16904	-0.00756	0.8705
0.91803	-0.0789	0.08854	-0.00867	0.85185
0.25215	-0.07259	0.11723	0.019422	0.67548
0.85809	-0.08783	0.05787	0.168756	0.00025
0.25355	-0.06062	0.19097	0.060123	0.19465
0.07768	-0.05407	0.24357	0.069824	0.13188
0.14092	-0.06226	0.1792	0.043255	0.35098
0.00717	0.005945	0.89805	0.091524	0.04808
0.24484	-0.05884	0.20433	0.065904	0.15505
0.3688	-0.02679	0.56355	0.07584	0.10166
0.26465	-0.07927	0.08707	0.085863	0.06374
0.2205	-0.05908	0.20249	0.070974	0.12563
0.17847	-0.05287	0.2542	0.140402	0.00236
0.96592	-0.06778	0.14362	0.180489	8.77E-05
0.09616	0.011561	0.80323	0.118847	0.01015
0.95301	-0.08692	0.06053	0.131507	0.00442
0.0212	-0.06718	0.1472	0.171125	0.0002
0.89877	-0.07698	0.09661	0.042027	0.36484
0.4843	-0.09399	0.04234	0.094806	0.04057
0.94193	-0.05859	0.20628	0.193622	2.52E-05
0.20542	-0.0457	0.32445	0.05745	0.21527
0.43265	-0.09614	0.03782	0.006169	0.89423
0.10986	-0.02345	0.6132	0.033448	0.47086
0.76434	-0.10455	0.02385	0.117497	0.01105
0.27796	-0.02199	0.63549	0.055138	0.23434
0.18029	-0.11151	0.01592	0.075793	0.10187
0.17535	-0.07216	0.11941	0.207114	6.40E-06
0.10894	-0.04633	0.31778	0.053482	0.24871
0.65833	-0.07354	0.11251	0.160927	0.00048
0.06563	-0.01271	0.78419	0.092139	0.04659
0.05707	-0.03397	0.46401	0.20855	5.50E-06
0.51381	-0.08566	0.06438	0.051792	0.264
0.73377	-0.05194	0.26268	0.149201	0.00122
0.48705	-0.06716	0.14732	0.01554	0.73766
0.09365	-0.06562	0.15686	0.102012	0.0275
0.91646	0.028504	0.53892	0.001248	0.97854
0.24836	-0.08634	0.06228	0.170525	0.00021

0.72358	-0.11873	0.01023	0.193068	2.66E-05
0.61375	-0.08387	0.07018	0.061037	0.18794
0.9907	-0.08421	0.06905	0.134194	0.00367
0.16533	-0.04456	0.33665	0.074389	0.10839
0.35111	-0.03138	0.49874	0.117085	0.01134
0.761	-0.14306	0.00194	0.110303	0.0171
0.57911	-0.08881	0.05512	0.030282	0.51389
0.39543	-0.05501	0.23541	0.079178	0.08742
0.25522	-0.02305	0.61936	0.041919	0.36607
0.49104	-0.07824	0.09125	0.106731	0.02106
0.1463	-0.01057	0.81972	0.113275	0.01432
0.46148	-0.03147	0.49748	0.240299	1.47E-07
0.90583	-0.05764	0.21372	0.067139	0.14744
0.63847	-0.08094	0.08058	0.140683	0.00231
0.32668	0.014788	0.74994	0.189741	3.68E-05
0.26591	-0.00242	0.95846	0.161686	0.00045
0.29424	-0.0762	0.10005	0.116264	0.01193
0.0132	-0.04013	0.38692	0.18573	5.39E-05
0.49047	-0.04505	0.33133	-0.00694	0.88116
0.72623	-0.08827	0.05664	0.054019	0.24399
0.78042	-0.10475	0.02358	0.133581	0.00383
0.15554	-0.04199	0.36532	0.082693	0.07422
0.00293	-0.01575	0.73433	0.148053	0.00133
0.7857	-0.09066	0.05023	0.132229	0.0042
0.99109	-0.0674	0.1459	-0.00308	0.94711
0.07921	-0.02488	0.59181	-0.01944	0.67514
0.07041	-0.04085	0.37849	0.077566	0.09408
0.16848	0.215639	2.56E-06	-0.11316	0.01441
0.59909	0.124784	0.00694	-0.08882	0.05511
0.50439	-0.00525	0.90992	0.025797	0.57816
0.98452	-0.12724	0.0059	0.205953	7.23E-06
0.50296	0.212634	3.55E-06	-0.09675	0.03662
0.45254	0.19366	2.51E-05	-0.0762	0.10006
0.43172	0.0059	0.89882	-0.07838	0.09066
0.94905	0.180915	8.44E-05	-0.03182	0.49271
3.55E-12	0.227895	6.45E-07	0.253327	2.85E-08
0.24581	0.168184	0.00026	-0.19143	3.12E-05
0.00115	-0.00832	0.85761	-0.1736	0.00016
0.03505	0.06912	0.13584	-0.04329	0.35064
0.28521	0.039022	0.40016	-0.01067	0.81816
0.05624	0.063674	0.16953	-0.08079	0.08116
1.36E-05	0.23954	1.61E-07	-0.07836	0.09074
0.00743	0.222038	1.26E-06	0.1962	1.95E-05
0.00775	-0.10589	0.0221	-0.37207	8.84E-17
0.80316	0.031555	0.49634	0.032659	0.4814

0.09884	0.072442	0.11797	0.049801	0.28282
0.1017	0.03719	0.42267	-0.01164	0.80196
0.0017	0.275256	1.45E-09	0.003701	0.93642
0.21292	0.134329	0.00363	-0.09993	0.03084
1.06E-06	0.431981	1.18E-22	0.0872	0.05971
0.43396	-0.00844	0.85568	-0.09329	0.0439
0.31012	0.020252	0.66245	0.065083	0.16026
0.43092	0.117746	0.01088	0.163374	0.00039
0.06459	0.282129	5.40E-10	-0.0646	0.16337
0.93493	0.023819	0.60765	0.289249	1.88E-10
0.52663	0.111857	0.01559	-0.04673	0.31362
0.32684	0.077055	0.09628	-0.14126	0.00221
2.71E-06	0.388102	3.09E-18	0.026101	0.57369
0.65768	0.090257	0.05127	-0.19258	2.79E-05
0.65238	0.064581	0.16352	0.219206	1.73E-06
0.11915	0.11612	0.01203	0.102772	0.02636
0.54113	0.136683	0.00308	-0.07836	0.09075
0.34416	0.078506	0.09015	-0.00635	0.89113
0.00055	0.302592	2.41E-11	-0.05752	0.21473
0.00583	0.00561	0.90377	-0.02259	0.62635
0.00236	0.21094	4.26E-06	-0.00651	0.88842
0.01011	0.145769	0.00159	-0.03451	0.45687
0.77992	-0.07735	0.09499	0.109897	0.01751
0.00129	-0.06754	0.14502	0.025862	0.5772
0.29368	0.053479	0.24874	-0.03552	0.44386
2.28E-08	-0.01087	0.81472	-0.176	0.00013
0.36121	-0.00152	0.97389	0.142504	0.00202
0.09888	0.115196	0.01274	-0.09883	0.03274
0.13077	0.048381	0.29679	-0.03254	0.48294
0.00978	0.133322	0.0039	0.102821	0.02629
0.11873	0.079408	0.08651	-0.05415	0.24286
2.11E-05	0.094041	0.04222	0.097816	0.03458
0.01285	-0.02339	0.61415	0.225899	8.12E-07
0.00691	0.004236	0.92725	0.071685	0.12187
0.00799	0.141875	0.00212	-0.01698	0.71434
0.65562	0.029372	0.52662	-0.1086	0.0189
0.34541	0.010386	0.82288	-0.02342	0.61374
0.54357	0.27293	2.02E-09	-0.06655	0.15103
0.1553	0.065803	0.15568	0.092892	0.04482
0.75285	-0.02254	0.62702	-0.11173	0.01571
0.66225	0.033321	0.47254	-0.27784	1.00E-09
0.00988	-0.05111	0.27036	-0.18676	4.89E-05
0.16349	0.050213	0.27885	-0.05027	0.27835
0.01948	0.064656	0.16303	-0.11875	0.01022
0.1344	0.266574	4.87E-09	-0.08144	0.07874

0.01456	0.022345	0.63006	-0.02396	0.60556
0.20374	0.073598	0.11221	0.016398	0.72377
0.5808	-0.01632	0.72499	0.013082	0.77798
0.03942	0.151471	0.00103	-0.02153	0.64259
0.00729	0.008566	0.85352	0.174676	0.00015
0.08033	0.143459	0.00188	0.097967	0.0343
0.01121	0.21792	2.00E-06	-0.04783	0.30235
0.22955	-0.08072	0.0814	-0.10032	0.03019
0.01223	0.005005	0.91409	0.071043	0.12526
0.01077	0.030185	0.51523	-0.16709	0.00029
4.96E-08	0.02625	0.57149	-0.09597	0.03816
0.02241	0.306473	1.30E-11	-0.07061	0.12758
3.45E-10	0.479922	2.82E-28	-0.26162	9.54E-09
2.23E-08	0.394151	8.30E-19	-0.13181	0.00433
0.00052	0.151108	0.00105	-0.01672	0.71862
0.00355	0.266873	4.68E-09	-0.12781	0.00568
4.56E-05	0.335923	8.80E-14	-0.1269	0.00603
0.01189	0.237639	2.03E-07	-0.07424	0.10908
0.05778	0.016851	0.71645	0.049808	0.28276
0.00159	0.07355	0.11244	-0.03105	0.50322
0.75049	0.077148	0.09588	-0.05239	0.25856
0.25405	0.188927	3.98E-05	-0.09796	0.03432
0.08234	0.018048	0.69726	-0.05991	0.19622
0.45065	0.086	0.06332	-0.11301	0.01455
0.54925	0.061581	0.18402	0.101711	0.02796
0.19437	0.156779	0.00067	-0.13975	0.00247
0.02966	-0.07534	0.10396	-0.30949	7.99E-12
0.5049	0.234079	3.12E-07	-0.03544	0.4448
0.15063	0.017186	0.71106	0.060414	0.19249
0.00015	-0.07044	0.12853	-0.06041	0.19254
5.85E-08	0.152999	0.00091	0.276628	1.19E-09
0.00117	-0.0386	0.40525	-0.00944	0.83883
0.0127	-0.06301	0.17403	0.282147	5.38E-10
0.85254	-0.05976	0.19737	0.059037	0.20285
0.07636	-0.12829	0.0055	0.1024	0.02691
0.51259	-0.1384	0.00272	0.192984	2.68E-05
0.82703	-0.1184	0.01044	0.250252	4.23E-08
0.176	-0.15162	0.00101	0.176992	0.00012
0.08913	-0.0341	0.46221	0.116793	0.01154
0.74078	0.210045	4.69E-06	0.019353	0.67658
0.02091	0.185526	5.49E-05	0.166266	0.00031
0.48777	0.088704	0.05542	0.10542	0.0227
1.05E-12	0.305024	1.64E-11	0.209731	4.85E-06
0.29233	0.289625	1.78E-10	-0.03501	0.45036
0.47732	0.134718	0.00354	-0.13485	0.0035

0.81968	0.095754	0.0386	-0.25314	2.92E-08
0.01535	0.211294	4.11E-06	0.188681	4.07E-05
0.103	0.172396	0.00018	-0.06691	0.14884
0.1631	-0.01938	0.67619	0.095302	0.03953
0.00073	0.127738	0.0057	0.034954	0.4511
0.85899	0.0122	0.79258	-0.15543	0.00075
0.13659	0.067432	0.14568	0.008699	0.85128
0.01085	0.099992	0.03074	-0.0106	0.81936
0.51039	-0.00028	0.99516	-0.0632	0.17271
0.93054	-0.0192	0.67902	0.086754	0.06103
0.33921	-0.03974	0.39149	0.283595	4.36E-10
0.17782	0.298361	4.68E-11	0.093869	0.0426
0.00349	0.041432	0.37168	-0.09556	0.03899
0.0087	-0.03207	0.48935	0.209122	5.18E-06
0.7922	0.268984	3.50E-09	-0.21258	3.58E-06
0.25095	0.067472	0.14544	-0.0462	0.31915
0.51963	0.086693	0.06121	0.035633	0.44237
0.77648	-0.00572	0.90184	-0.01808	0.69678
0.89564	0.088763	0.05526	-0.07965	0.08556
0.17189	0.036241	0.4346	-0.01441	0.75614
0.46691	0.005806	0.90041	0.254473	2.45E-08
0.00142	0.206839	6.59E-06	-0.18583	5.34E-05
0.00013	-0.00836	0.857	-0.3602	9.40E-16
0.00114	-0.02481	0.59276	-0.25497	2.30E-08
0.00015	0.248101	5.56E-08	-0.00655	0.88778
0.31316	0.00372	0.93609	-0.0062	0.89378
0.26232	-0.0093	0.84121	-0.02523	0.58661
0.03392	0.195541	2.09E-05	-0.13678	0.00306
0.01181	0.211136	4.18E-06	0.088122	0.05705
0.00064	0.072382	0.11828	-0.12979	0.00497
0.44369	0.069601	0.13313	0.204719	8.22E-06
0.14275	0.064211	0.16595	-0.24367	9.70E-08
0.41198	0.142442	0.00203	-0.11277	0.01476
0.04279	0.265894	5.35E-09	-0.01251	0.78738
0.47556	0.084205	0.06906	-0.35141	5.09E-15
0.09769	0.162674	0.00042	0.112138	0.01533
0.29509	-0.0093	0.84109	-0.13096	0.00459
0.02426	0.081798	0.07741	0.070021	0.1308
0.05457	0.204399	8.49E-06	-0.29331	1.02E-10
0.73556	0.192276	2.88E-05	0.070026	0.13077
0.64405	0.094013	0.04229	0.179103	9.96E-05
0.74906	0.15421	0.00083	0.166656	0.0003
0.07072	0.176837	0.00012	0.066566	0.15093
0.08654	0.060984	0.18832	-0.00188	0.96764
0.59497	-0.03914	0.39878	-0.1127	0.01482



0.53473	0.021338	0.64556	0.052781	0.25497
0.0158	0.026869	0.56246	-0.08717	0.05979
0.99983	0.064143	0.1664	-0.1559	0.00072
0.11213	0.192463	2.82E-05	0.013909	0.76435
0.95974	0.114871	0.01299	-0.12907	0.00521
0.10121	0.030707	0.50799	-0.13634	0.00316
0.67128	0.152103	0.00098	0.109214	0.01823
0.31574	-0.09198	0.04696	-0.02331	0.61541
0.06344	0.12743	0.00582	-0.0369	0.4263
1.17E-08	0.25368	2.72E-08	0.019763	0.67012
0.81942	0.230521	4.75E-07	-0.05998	0.19569
0.91243	-0.01162	0.80216	0.070993	0.12552
0.00123	-0.03128	0.50007	0.158704	0.00058
0.00894	-0.03099	0.50415	0.112061	0.0154
0.00072	0.202665	1.02E-05	0.036573	0.43041
0.4874	0.144913	0.00169	0.217505	2.09E-06
0.25486	0.076461	0.09888	0.069124	0.13581
0.00019	0.209292	5.08E-06	-0.08843	0.05618
0.87987	-0.01563	0.7362	-0.11072	0.01668
8.39E-09	0.36216	6.41E-16	-0.08345	0.07158
0.01427	0.048592	0.29469	0.027004	0.56049
0.16074	0.024398	0.59895	-0.18082	8.51E-05
0.01537	0.243417	1.00E-07	0.090548	0.05052
2.82E-05	0.104481	0.02395	-0.01418	0.75994
0.52104	0.052111	0.26107	-0.08007	0.0839
0.06715	0.023028	0.61963	-0.05442	0.24053
0.86481	0.091724	0.04759	0.088942	0.05477
0.25952	0.035196	0.44798	-0.35856	1.29E-15
0.36466	-0.08435	0.06858	-0.04077	0.37943
0.00014	0.03773	0.41595	-0.09275	0.04514
0.09243	0.105242	0.02293	0.053085	0.25224
0.88637	-0.00668	0.88546	-0.12311	0.00774
0.36255	0.099544	0.0315	0.068957	0.13676
0.1543	-0.01635	0.72458	-0.15623	0.0007
0.14381	0.081614	0.07809	-0.1656	0.00033
3.99E-08	-0.05357	0.2479	-0.17312	0.00017
0.60654	0.07526	0.10431	-0.08714	0.05987
0.0009	-0.09993	0.03084	0.075692	0.10233
0.58644	-0.15385	0.00085	-0.16393	0.00037
0.29169	-0.1811	8.30E-05	-0.06606	0.15408
2.38E-07	-0.1939	2.45E-05	0.257074	1.75E-08
1.55E-05	-0.14479	0.00171	0.095238	0.03966
0.29451	-0.22043	1.51E-06	0.12439	0.00712
0.18306	-0.16503	0.00034	-0.03403	0.46313
0.69723	-0.1984	1.57E-05	0.188243	4.25E-05

0.00304	-0.10621	0.0217	0.366933	2.49E-16
0.00017	-0.17264	0.00018	0.181045	8.34E-05
0.65888	-0.15811	0.00061	0.027665	0.55093
6.82E-07	-0.19851	1.55E-05	0.099948	0.03081
0.00016	-0.11931	0.00986	-0.09242	0.04593
0.00041	0.095482	0.03915	0.062075	0.18052
1.86E-08	-0.12242	0.00809	0.224455	9.57E-07
3.31E-08	-0.13304	0.00398	0.086298	0.06241
0.63823	-0.22159	1.33E-06	0.108426	0.01909
0.00171	-0.15128	0.00104	0.043942	0.34339
1.26E-07	-0.06023	0.19384	0.4554	2.74E-25
6.40E-07	-0.07396	0.11046	0.375194	4.66E-17
0.00742	-0.10305	0.02596	-0.14843	0.0013
3.93E-07	-0.17395	0.00016	0.16349	0.00039
0.01803	-0.08804	0.05729	-0.07608	0.10058
0.84354	-0.18746	4.58E-05	-0.07213	0.11954
9.80E-05	-0.18532	5.60E-05	0.085431	0.06509
9.21E-09	-0.11211	0.01535	0.15345	0.00088
0.00203	-0.11764	0.01095	0.116149	0.01201
0.06224	-0.11912	0.00998	0.136621	0.00309
0.00078	-0.15431	0.00082	-0.0266	0.56638
0.11664	-0.16533	0.00033	0.100332	0.03017
4.56E-06	-0.11512	0.0128	0.124157	0.00723
3.15E-08	-0.10294	0.02611	0.185756	5.38E-05
7.10E-08	-0.05453	0.23957	0.104711	0.02364
3.72E-06	-0.08974	0.05262	0.122067	0.00827
3.11E-07	-0.0708	0.12654	0.015469	0.73883
0.32936	-0.17648	0.00013	-0.1121	0.01537
8.28E-11	0.04356	0.34759	0.06715	0.14737
0.19414	-0.19384	2.47E-05	0.245554	7.67E-08
0.0091	-0.09662	0.03687	-0.12065	0.00906
0.00116	-0.19367	2.51E-05	0.162537	0.00042
0.34426	-0.18192	7.69E-05	0.00156	0.97318
2.67E-07	-0.08452	0.06803	0.164105	0.00037
6.44E-07	-0.12418	0.00721	0.083534	0.07131
3.81E-11	-0.08957	0.05309	0.19182	3.01E-05
0.01289	-0.15883	0.00057	0.040682	0.38041
0.14323	-0.04363	0.34679	0.128605	0.00538
1.18E-05	-0.16157	0.00046	0.204017	8.84E-06
0.7242	-0.05473	0.23779	-0.25141	3.65E-08
0.61237	-0.09229	0.04624	-0.04118	0.37458
7.88E-08	-0.15042	0.00111	0.11308	0.01449
0.28751	-0.09236	0.04607	0.03683	0.42717
4.78E-12	0.114168	0.01356	0.197479	1.72E-05
0.00042	-0.13633	0.00316	-0.05396	0.24454

0.00079	-0.03488	0.45208	-0.12363	0.00748
0.00931	-0.20324	9.57E-06	0.090746	0.05002
1.09E-11	0.017475	0.70643	0.192276	2.88E-05
0.003	-0.18665	4.94E-05	-0.00923	0.84231
0.21011	-0.1187	0.01025	0.208452	5.56E-06
0.53058	-0.01602	0.72992	-0.29515	7.69E-11
0.00827	-0.12826	0.00551	-0.10414	0.02441
0.01342	-0.1125	0.015	0.242774	1.08E-07
0.14771	-0.15969	0.00053	-0.10335	0.02552
0.00365	-0.03564	0.44224	-0.11959	0.00969
0.92004	-0.1913	3.16E-05	-0.03894	0.40112
0.13108	-0.12074	0.009	-0.12723	0.0059
0.00922	-0.19463	2.28E-05	0.067191	0.14712
3.88E-08	-0.05719	0.21739	0.074578	0.10749
0.01231	-0.13937	0.00254	-0.00281	0.9517
1.64E-09	-0.02053	0.6581	0.369852	1.38E-16
0.70469	-0.15465	0.0008	-0.09614	0.03781
6.48E-07	-0.13186	0.00431	0.161218	0.00047
0.88505	-0.0481	0.29956	-0.30004	3.60E-11
0.0006	-0.05739	0.21572	-0.17925	9.83E-05
9.89E-05	-0.13312	0.00395	0.051312	0.26846
3.72E-05	-0.01938	0.67621	-0.00514	0.91179
0.00323	-0.19687	1.83E-05	0.233329	3.41E-07
0.00132	-0.13631	0.00316	0.126259	0.00629
0.05946	-0.09053	0.05056	0.205744	7.38E-06
8.09E-06	-0.09301	0.04455	0.041809	0.36734
1.54E-07	-0.05977	0.19726	0.198836	1.50E-05
0.08254	-0.20333	9.48E-06	0.03031	0.51349
0.00018	-0.04304	0.35338	0.155268	0.00076
0.0005	-0.14209	0.00208	0.201337	1.16E-05
0.10046	-0.17247	0.00018	-0.10403	0.02457
0.06166	-0.14865	0.00127	-0.11687	0.01149
0.29473	-0.11326	0.01433	-0.10303	0.02598
0.16484	-0.17589	0.00013	-0.11259	0.01492
0.01365	-0.16389	0.00038	-0.10488	0.02341
5.41E-07	-0.15762	0.00063	0.181221	8.20E-05
0.00021	-0.082	0.07667	-0.12124	0.00872
0.31211	-0.20316	9.66E-06	-0.00577	0.90096
0.00356	-0.12532	0.00669	0.160675	0.00049
2.42E-05	-0.17073	0.00021	0.056422	0.2236
1.41E-09	-0.07886	0.08871	0.208701	5.41E-06
0.00236	-0.16715	0.00029	0.050517	0.27596
0.31926	-0.19464	2.28E-05	-0.07031	0.1292
0.38556	-0.1359	0.00325	-0.14905	0.00124
4.59E-05	-0.19132	3.16E-05	0.178996	0.0001

4.56E-10	-0.13342	0.00387	0.301107	3.05E-11
6.54E-05	-0.12379	0.0074	0.007091	0.87854
0.0025	-0.16314	0.0004	0.168289	0.00026
0.09867	-0.20307	9.75E-06	0.022159	0.6329
0.90018	-0.13732	0.00294	-0.24623	7.04E-08
4.95E-05	-0.18509	5.72E-05	0.218724	1.83E-06
6.39E-10	-0.04933	0.28742	0.124265	0.00717
0.26319	-0.0985	0.03332	-0.17094	0.00021
0.86164	-0.13669	0.00308	-0.20541	7.65E-06
0.13172	-0.14612	0.00154	-0.20151	1.14E-05
1.29E-06	-0.06415	0.16633	0.180587	8.70E-05
0.00288	-0.21784	2.01E-06	0.1182	0.01057
8.82E-06	-0.18897	3.96E-05	0.103176	0.02577
0.69378	-0.15691	0.00067	-0.1742	0.00015
0.00022	-0.17285	0.00017	0.085972	0.06341
0.29969	-0.15623	0.0007	-0.011	0.81266
0.00934	-0.06596	0.15471	-0.07947	0.08625
0.01103	-0.17453	0.00015	0.180706	8.60E-05
0.70751	-0.1721	0.00019	0.047404	0.30667
7.61E-05	-0.13203	0.00426	0.192841	2.72E-05
1.66E-07	-0.10538	0.02276	0.028961	0.53242
0.01381	-0.06546	0.15783	0.194124	2.40E-05
0.11795	0.000854	0.98532	-0.35296	3.79E-15
1.15E-05	-0.10295	0.0261	0.0267	0.56492
0.00222	-0.23268	3.68E-07	0.107628	0.02
1.01E-06	-0.0932	0.04411	0.09132	0.04858
0.01189	-0.1363	0.00316	0.003468	0.94042
3.65E-05	-0.1584	0.00059	0.128952	0.00526
6.05E-08	-0.02155	0.64229	0.040203	0.38605
0.0021	-0.09219	0.04647	-0.01693	0.71523
4.28E-07	-0.19706	1.79E-05	0.287422	2.47E-10
8.85E-05	-0.13366	0.00381	0.040083	0.38746
8.96E-05	-0.05331	0.25024	0.225671	8.33E-07
0.00988	-0.19245	2.83E-05	0.047717	0.30348
0.04285	-0.17259	0.00018	-0.04015	0.38669
0.05457	0.015669	0.73556	-0.04429	0.33954
0.00031	0.058902	0.20388	-0.02502	0.58965
0.95673	-0.07873	0.08924	-0.1115	0.01593
0.00112	-0.15236	0.00096	0.003628	0.93768
3.12E-06	-0.13124	0.0045	0.19163	3.06E-05
0.02866	-0.15351	0.00087	-0.04446	0.33768
0.04371	-0.13327	0.00391	-0.1375	0.00291
4.33E-05	-0.10203	0.02747	0.159506	0.00054
0.17803	-0.18191	7.70E-05	-0.14014	0.0024
5.14E-07	-0.18563	5.44E-05	0.230994	4.49E-07

5.07E-13	-0.04181	0.36737	0.282465	5.14E-10
5.56E-08	-0.10492	0.02335	0.168258	0.00026
1.55E-10	-0.08694	0.06048	0.291969	1.25E-10
0.00354	-0.11045	0.01695	0.376753	3.38E-17
1.12E-09	-0.08703	0.0602	0.202153	1.07E-05
0.00324	-0.14692	0.00145	-0.08369	0.07078
1.53E-05	-0.15261	0.00094	0.105008	0.02324
3.63E-05	-0.15904	0.00056	0.232987	3.55E-07
0.19096	-0.21211	3.76E-06	-0.0162	0.72693
0.39578	-0.03435	0.45891	-0.08574	0.06411
0.00118	-0.10935	0.01809	0.045493	0.3266
0.53065	-0.01654	0.72152	-0.16585	0.00032
0.47049	0.088687	0.05547	-0.09371	0.04295
0.18017	0.045535	0.32616	0.122821	0.00788
0.86725	0.023755	0.60862	0.017149	0.71166
0.05264	-0.03299	0.47695	-0.17454	0.00015
0.17246	-0.06248	0.17768	0.002383	0.95905
0.08828	0.085382	0.06525	-0.26365	7.25E-09
0.10255	0.063795	0.16872	0.034206	0.46086
0.4735	-0.08587	0.06374	0.01082	0.8156
0.12668	-0.0444	0.33836	-0.03509	0.44934
0.41995	0.091711	0.04762	-0.06188	0.18187
0.19999	-0.08316	0.07259	-0.02778	0.54929
0.12002	-0.00348	0.94014	-0.15419	0.00083
0.1847	-0.0664	0.15195	-0.10491	0.02337
0.35015	0.003464	0.94049	-0.0119	0.79755
0.00331	-0.03038	0.51247	-0.20121	1.18E-05
0.61702	-0.09292	0.04476	-0.00186	0.96803
0.0563	-0.06277	0.17571	-0.15264	0.00094
0.29383	0.110753	0.01665	-0.24176	1.23E-07
0.85139	0.054899	0.23637	-0.3309	2.15E-13
0.19278	-0.09791	0.03442	-0.10711	0.02061
0.82455	0.007535	0.87099	-0.06052	0.19168
0.02711	-0.03586	0.43948	0.151909	0.00099
1.17E-13	0.270292	2.92E-09	0.00261	0.95515
0.88034	-0.03953	0.39405	0.017147	0.71169
0.00411	-0.06839	0.14004	-0.13715	0.00298
0.24832	-0.00327	0.94385	0.003024	0.94803
0.22038	-0.05668	0.22147	0.020528	0.65814
0.53166	0.051426	0.26739	-0.05212	0.26097
0.99627	0.027126	0.55873	0.030695	0.50816
0.13625	0.023376	0.61436	-0.1727	0.00018
0.13352	0.056785	0.22063	0.184319	6.15E-05
0.72096	-0.02953	0.52442	-0.02195	0.63619
0.55861	0.020923	0.65201	-0.12394	0.00733

0.20143	-0.07191	0.1207	-0.06059	0.19116
0.44353	0.026233	0.57175	0.080605	0.08185
0.20144	0.014765	0.7503	-0.15284	0.00092
0.03317	-0.05726	0.21679	-0.10284	0.02627
0.05042	-0.04369	0.34612	-0.07777	0.09324
0.84797	-0.01707	0.71285	0.062421	0.1781
0.10083	-0.07383	0.11106	0.018089	0.69662
0.37278	-0.0392	0.39806	-0.02993	0.51876
0.17783	-0.11223	0.01524	0.043525	0.34798
0.33226	-0.01784	0.70062	-0.04816	0.29902
0.85556	-0.02743	0.55434	-0.0247	0.59448
0.94844	-0.06118	0.18693	0.046256	0.31855
0.71916	-0.01098	0.81289	-0.042	0.36517
0.8362	-0.01208	0.79453	-0.04861	0.29449
0.9879	0.013269	0.77489	-0.0776	0.09392
0.32414	0.129882	0.00494	0.037717	0.41612
0.35344	0.057564	0.21436	-0.00346	0.94054
0.76221	-0.10266	0.02653	0.070766	0.12674
0.0344	0.010405	0.82255	-0.19753	1.71E-05
8.83E-05	0.100218	0.03036	0.233159	3.48E-07
0.21245	-0.03167	0.49476	-0.05623	0.22518
0.15618	0.01626	0.72598	0.096333	0.03743
0.00071	0.249607	4.59E-08	0.004192	0.92801
0.77016	-0.09023	0.05135	0.042323	0.36147
0.69127	0.056954	0.21927	-0.08877	0.05523
0.07154	-0.02557	0.58156	0.088069	0.0572
0.81433	0.021278	0.6465	-0.07545	0.10342
0.93991	-0.02249	0.62787	-0.15261	0.00094
0.9896	-0.0454	0.32764	0.098608	0.03314
0.07228	-0.01429	0.75813	-0.16983	0.00023
0.00734	-0.05653	0.22274	-0.1632	0.0004
0.45463	0.090991	0.0494	-0.09328	0.04392
0.02739	0.103351	0.02552	0.07433	0.10867
0.19509	0.055198	0.23383	-0.10651	0.02133
0.32932	0.109064	0.01839	-0.0805	0.08226
0.57995	-0.00045	0.9923	-0.009	0.84612
0.0003	0.235149	2.74E-07	-0.08602	0.06325
4.06E-05	0.233287	3.43E-07	-0.00754	0.87083
0.20758	0.064509	0.16399	-0.26171	9.42E-09
0.04643	-0.06153	0.18439	-0.00566	0.90298
0.19192	-0.0925	0.04572	0.03654	0.43083
0.52235	-0.05432	0.24133	-0.03633	0.43346
0.45195	-0.01584	0.73283	-0.08849	0.05603
0.90874	-0.02003	0.66587	-0.00862	0.85259
0.61579	-0.04983	0.28252	-0.04561	0.32532

0.91081	0.105819	0.02219	-0.41889	2.88E-21
0.88588	0.068684	0.13833	0.029087	0.53065
0.04851	-0.0248	0.59301	-0.18138	8.08E-05
0.03604	-0.02162	0.64113	-0.20834	5.62E-06
0.0161	-0.05132	0.2684	-0.18116	8.25E-05
0.00666	-0.04877	0.2929	-0.18455	6.02E-05
0.51049	0.003768	0.93527	-0.1287	0.00535
0.00037	-0.11407	0.01364	-0.11935	0.00984
0.00037	-0.10813	0.01942	-0.15496	0.00078
0.00329	-0.09111	0.04911	-0.10627	0.02163
0.38304	-0.05144	0.26726	-0.02235	0.63003
0.00055	-0.08754	0.05871	-0.19489	2.22E-05
0.00985	-0.05576	0.22908	-0.10711	0.0206
0.00631	-0.0918	0.0474	-0.04505	0.33129
0.06255	-0.07183	0.12112	-0.00981	0.83257
0.00265	-0.08617	0.06279	-0.17137	0.0002
0.05779	0.042278	0.36198	-0.31903	1.65E-12
0.37033	-0.07471	0.10689	0.036009	0.43756
0.62425	-0.04079	0.3791	-0.06271	0.17613
0.11509	0.02353	0.61202	-0.04796	0.30101
0.02664	-0.09376	0.04285	-0.15502	0.00078
0.04925	0.03569	0.44163	-0.18526	5.63E-05
0.04095	0.071104	0.12493	0.203157	9.66E-06
0.58318	0.056739	0.22101	-0.11957	0.0097
0.00166	-0.09165	0.04776	-0.16933	0.00024
0.38464	-0.07387	0.11088	-0.20754	6.12E-06
0.004	-0.07643	0.09901	-0.153	0.00091
0.07403	-0.12818	0.00554	0.05662	0.22199
1.92E-06	-0.04361	0.34707	-0.08409	0.06945
0.6918	-0.04205	0.36457	-0.25994	1.19E-08
0.30313	-0.11315	0.01442	-0.31174	5.54E-12
0.0079	-0.1364	0.00314	0.02711	0.55896
0.14651	-0.06922	0.13528	-0.00644	0.88961
0.02386	-0.10178	0.02785	0.315871	2.80E-12
0.00462	-0.1061	0.02184	-0.0279	0.54752
1.31E-05	-0.05216	0.26059	0.027985	0.54634
0.01498	-0.00603	0.89656	-0.02022	0.663
2.18E-09	-0.06511	0.16011	0.02239	0.62937
0.00241	-0.0794	0.08654	-0.13552	0.00334
0.07732	-0.22595	8.07E-07	-0.00694	0.88112
0.02173	-0.15279	0.00093	-0.06169	0.18324
0.01568	-0.22074	1.46E-06	0.129308	0.00513
0.00326	-0.00261	0.95521	-0.21549	2.61E-06
0.68285	-0.13714	0.00298	-0.01671	0.71872
1.84E-07	-0.0587	0.20541	0.079503	0.08613

0.00868	-0.19511	2.18E-05	-0.08697	0.06039
0.13717	-0.21398	3.07E-06	0.004866	0.91647
0.01156	-0.16722	0.00028	-0.01796	0.69863
0.05498	-0.15118	0.00105	0.006179	0.89406
0.00534	-0.02507	0.58886	-0.10683	0.02094
0.00103	-0.0784	0.09057	-0.13287	0.00402
0.05764	-0.08563	0.06446	0.261191	1.01E-08
0.05281	-0.10752	0.02013	-0.0829	0.07351
0.07097	-0.07261	0.11711	-0.1917	3.04E-05
0.00781	-0.19909	1.46E-05	-0.04529	0.32873
1.76E-06	-0.08434	0.06861	0.156458	0.00069
0.69351	-0.06498	0.16096	-0.07464	0.1072
0.09117	-0.19868	1.52E-05	0.090185	0.05146
0.00088	-0.08693	0.06049	-0.13335	0.00389
0.00148	-0.11774	0.01088	-0.00142	0.97565
0.83084	-0.29596	6.79E-11	-0.04749	0.30583
0.22412	-0.12802	0.0056	-0.00298	0.94871
4.83E-07	0.182583	7.23E-05	-0.16318	0.0004
2.39E-07	-0.06853	0.13922	0.016296	0.72541
0.17616	-0.19395	2.44E-05	0.111171	0.01624
0.00599	-0.16162	0.00045	-0.07	0.13089
0.00437	-0.10719	0.02051	-0.25587	2.04E-08
0.10525	0.072416	0.1181	-0.18448	6.06E-05
3.69E-05	0.010254	0.8251	-0.03381	0.46609
1.56E-06	-0.11746	0.01107	0.268372	3.80E-09
0.02898	-0.08968	0.05278	-0.11061	0.01679
0.03743	-0.19301	2.68E-05	0.006055	0.89616
0.02088	-0.0484	0.29661	0.189767	3.67E-05
0.308	-0.07968	0.08541	-0.09	0.05193
0.2725	-0.02624	0.57164	-0.11969	0.00963
0.71671	-0.18328	6.78E-05	-0.07624	0.09985
0.10833	-0.19683	1.83E-05	-0.01019	0.82616
0.53161	-0.15989	0.00052	-0.07535	0.10389
0.8627	-0.15282	0.00092	-0.06227	0.17912
0.04201	0.025481	0.58283	-0.15235	0.00096
0.03098	-0.07876	0.08913	-0.15654	0.00069
0.58786	-0.09966	0.03129	-0.09517	0.03981
0.54108	-0.16764	0.00027	0.135389	0.00337
0.04832	-0.1249	0.00688	-0.16083	0.00049
0.31213	-0.10301	0.02602	-0.28056	6.78E-10
2.32E-11	0.354756	2.69E-15	-0.11806	0.01067
0.06189	-0.06537	0.15842	0.064042	0.16707
0.31718	-0.09431	0.04165	-0.05284	0.2544
0.14056	-0.01461	0.75284	-0.10881	0.01867
0.00032	-0.18443	6.09E-05	0.163031	0.0004



0.86235	-0.08394	0.06993	-0.15672	0.00068
0.1322	-0.04714	0.30938	0.163744	0.00038
0.00044	0.126858	0.00605	-0.03249	0.48373
0.19308	-0.07146	0.12303	-0.24698	6.41E-08
0.73827	-0.03475	0.45377	-0.06376	0.16895
6.06E-06	-0.14313	0.00193	0.236624	2.30E-07
0.00012	-0.16475	0.00035	0.160345	0.0005
0.14998	-0.17822	0.00011	0.313094	4.43E-12
3.69E-07	-0.1083	0.01924	0.037196	0.42259
0.00409	-0.04971	0.28372	-0.12088	0.00893
1.55E-11	0.058227	0.20912	0.27458	1.60E-09
0.04233	-0.15836	0.00059	-0.07433	0.10869
0.1615	-0.05272	0.25553	-0.26742	4.34E-09
0.36351	-0.17289	0.00017	-0.06547	0.15781
0.0004	-0.15981	0.00053	0.103178	0.02577
0.00604	-0.15216	0.00097	-0.00297	0.94889
0.59112	-0.22482	9.18E-07	0.098247	0.03379
0.00068	-0.08935	0.05366	0.067356	0.14613
0.00034	-0.01572	0.73471	0.095145	0.03986
9.28E-05	-0.19757	1.70E-05	0.18133	8.12E-05
5.15E-06	-0.12435	0.00713	0.043409	0.34927
0.97846	-0.12831	0.00549	-0.13952	0.00251
0.01642	-0.0237	0.60952	-0.07545	0.10345
0.00184	-0.1346	0.00357	-0.04459	0.33629
0.01968	-0.00464	0.92036	0.130688	0.00467
0.00622	-0.14369	0.00185	-0.29583	6.92E-11
0.06162	-0.01567	0.73555	-0.32809	3.51E-13
4.18E-06	-0.11299	0.01456	0.146644	0.00148
0.00016	-0.11025	0.01715	-0.05239	0.25848
0.0918	-0.18357	6.60E-05	0.274811	1.55E-09
0.13018	-0.22244	1.20E-06	0.043503	0.34823
0.71113	-0.26439	6.56E-09	0.062349	0.1786
0.13128	-0.23771	2.02E-07	0.079761	0.08511
5.37E-06	0.034314	0.45944	-0.08539	0.06522
0.13507	-0.12085	0.00894	-0.1066	0.02122
0.00215	-0.12343	0.00757	0.176121	0.00013
8.90E-07	-0.14641	0.00151	0.255669	2.10E-08
0.15553	-0.00304	0.94779	-0.25439	2.48E-08
0.29466	-0.26605	5.24E-09	-0.00219	0.96241
0.00021	-0.07249	0.11771	0.075756	0.10204
0.85588	-0.07369	0.11177	-0.32519	5.79E-13
0.01355	-0.05398	0.24431	0.124472	0.00708
9.17E-05	-0.03317	0.47452	-0.13913	0.00258
0.1493	-0.13945	0.00253	-0.02661	0.56616
4.34E-05	-0.11297	0.01459	0.022471	0.62813

0.01699	-0.09287	0.04486	-0.0707	0.1271
0.1524	-0.17426	0.00015	-0.07146	0.12305
0.00234	-0.04869	0.29369	0.043412	0.34924
0.29259	-0.20821	5.70E-06	0.065584	0.15707
0.01872	-0.19333	2.59E-05	-0.07725	0.09543
0.09935	-0.18811	4.30E-05	-0.01057	0.81975
0.1075	-0.19903	1.47E-05	0.045178	0.32997
3.86E-06	-0.14989	0.00116	0.073023	0.11504
0.02889	-0.15014	0.00114	0.019502	0.67423
0.0097	-0.21215	3.75E-06	0.106238	0.02167
0.69736	0.027591	0.55201	-0.24977	4.50E-08
0.98458	0.067974	0.14246	-0.0898	0.05246
0.43376	0.127924	0.00563	-0.16404	0.00037
0.64482	0.106451	0.0214	-0.16761	0.00027
0.46332	0.094755	0.04068	-0.02182	0.63815
0.22911	0.084452	0.06825	-0.4175	4.01E-21
1.87E-10	0.175105	0.00014	0.280142	7.21E-10
0.00018	0.159453	0.00054	-0.0341	0.46229
2.87E-10	0.149661	0.00118	0.248105	5.56E-08
0.15268	0.057573	0.21429	-0.14343	0.00189
0.00048	0.202096	1.08E-05	-0.07248	0.11775
0.18259	0.154844	0.00079	0.020265	0.66225
0.58697	0.137837	0.00284	-0.24496	8.26E-08
0.01197	0.0414	0.37205	-0.16563	0.00032
2.95E-06	0.320236	1.35E-12	-0.10257	0.02666
9.07E-06	0.074892	0.10602	0.046538	0.3156
0.15746	0.090099	0.05168	-0.11293	0.01462
1.32E-05	0.253286	2.86E-08	-0.28254	5.09E-10
0.09726	0.040245	0.38555	-0.20792	5.88E-06
0.00403	0.11292	0.01463	-0.00068	0.98831
0.00077	0.050013	0.28078	0.187409	4.60E-05
1.67E-08	0.072145	0.11949	0.174713	0.00015
0.0025	-0.02991	0.51912	-0.03512	0.44891
0.13081	0.180054	9.13E-05	0.041376	0.37232
0.00163	0.133158	0.00394	0.048194	0.29867
0.0014	0.163962	0.00037	-0.08027	0.08312
0.00766	0.320536	1.28E-12	-0.34833	9.08E-15
0.2998	0.140294	0.00238	0.021444	0.64392
0.00178	0.175243	0.00014	-0.24267	1.10E-07
0.66216	0.128521	0.00541	-0.23297	3.56E-07
0.00014	0.119358	0.00983	0.12929	0.00514
0.30307	0.159708	0.00053	0.003866	0.93359
7.66E-05	0.239018	1.72E-07	-0.09362	0.04315
0.05667	0.309173	8.41E-12	-0.04968	0.28398
0.00088	0.105727	0.02231	-0.06579	0.15574

0.61434	0.088649	0.05558	-0.05546	0.23162
0.08742	-0.05653	0.22275	-0.19837	1.57E-05
0.00124	0.215158	2.70E-06	0.183256	6.79E-05
0.00025	0.274168	1.69E-09	0.029565	0.5239
0.01385	0.081161	0.07976	-0.00865	0.85215
0.00029	-0.0092	0.84289	0.015851	0.73262
0.0664	0.06245	0.1779	-0.11758	0.01099
0.30789	0.050346	0.27758	0.056815	0.22039
0.16436	0.090358	0.05101	-0.20008	1.32E-05
0.00066	0.1443	0.00177	-0.13609	0.00321
0.67629	0.042238	0.36244	-0.20836	5.61E-06
0.49261	0.221548	1.33E-06	-0.20902	5.23E-06
0.02113	0.125429	0.00665	0.067431	0.14569
0.49988	0.203496	9.32E-06	-0.38478	6.28E-18
0.65688	0.194458	2.32E-05	-0.2737	1.81E-09
0.01741	0.103673	0.02506	0.065733	0.15612
0.00271	0.231181	4.39E-07	-0.05253	0.25721
0.07681	0.144465	0.00175	-0.06181	0.18238
0.97387	-0.06311	0.17334	-0.23081	4.59E-07
0.07358	-0.00092	0.9841	-0.2078	5.95E-06
0.13236	0.000699	0.98798	-0.31422	3.68E-12
0.0024	0.230584	4.71E-07	-0.27768	1.03E-09
0.88299	0.012147	0.79347	-0.22374	1.04E-06
1.05E-05	0.246939	6.44E-08	0.263506	7.40E-09
0.00118	0.15516	0.00077	0.162488	0.00042
0.09603	0.125251	0.00673	-0.1031	0.02589
0.00077	0.043061	0.35315	0.124242	0.00719
0.0116	0.047992	0.3007	-0.07826	0.09116
0.64044	0.121929	0.00835	-0.13007	0.00487
0.00151	0.182386	7.37E-05	0.066924	0.14874
0.10455	0.151555	0.00102	-0.06174	0.18286
0.01427	0.032152	0.48823	0.063439	0.17111
0.48112	0.210473	4.48E-06	-0.13435	0.00363
0.80885	0.146664	0.00148	-0.27085	2.70E-09
2.62E-05	0.251032	3.83E-08	0.098674	0.03302
0.21553	0.157172	0.00065	-0.25645	1.90E-08
9.63E-06	0.394208	8.20E-19	-0.18395	6.37E-05
0.87285	0.087027	0.06022	-0.0687	0.13825
0.00071	0.40156	1.60E-19	-0.24595	7.29E-08
0.00042	0.202479	1.04E-05	0.090459	0.05075
0.00023	0.128019	0.0056	0.134103	0.00369
2.92E-10	0.05915	0.20198	0.190755	3.33E-05
1.90E-06	-0.00681	0.88336	-0.06552	0.15748
0.01582	0.127522	0.00579	-0.23327	3.43E-07
0.69386	-0.01097	0.81315	-0.2901	1.66E-10

0.09355	0.050003	0.28088	-0.27992	7.44E-10
9.38E-05	0.206567	6.78E-06	0.07782	0.09301
0.14808	-0.05274	0.25534	-0.17325	0.00017
4.19E-06	0.393355	9.88E-19	-0.05034	0.27765
8.26E-14	0.281423	5.98E-10	0.259014	1.35E-08
2.58E-05	0.131272	0.00449	0.137519	0.0029
0.00379	0.040893	0.37794	-0.08061	0.08181
0.10606	0.011552	0.80338	-0.25713	1.73E-08
4.09E-07	0.444802	4.53E-24	-0.12268	0.00795
0.38953	-0.07795	0.09246	-0.35083	5.69E-15
0.00632	0.220463	1.50E-06	-0.14882	0.00126
0.00043	0.04208	0.36424	0.17493	0.00015
0.06707	-0.00162	0.97207	-0.05551	0.23116
0.04943	0.094016	0.04228	-0.06522	0.15938
0.30677	0.021436	0.64405	-0.36621	2.87E-16
0.95919	0.059647	0.19821	-0.14057	0.00233
0.46693	0.15975	0.00053	-0.20171	1.12E-05
0.00184	0.211514	4.01E-06	-0.02621	0.5721
0.60834	0.081728	0.07767	-0.12832	0.00549
0.00437	0.121551	0.00855	0.026335	0.57026
0.00143	-0.01813	0.69597	-0.44466	4.69E-24
0.07275	-0.05321	0.25115	0.056928	0.21947
0.10043	0.073686	0.11177	-0.1312	0.00451
0.96265	0.106314	0.02157	-0.19934	1.43E-05
0.77913	-0.10415	0.02439	-0.01978	0.6698
0.00829	-0.09849	0.03334	-0.12961	0.00503
0.23623	0.005788	0.90072	-0.05541	0.23203
0.00524	0.072647	0.11693	0.077781	0.09317
0.02226	0.10979	0.01763	-0.07609	0.10053
0.09722	0.132607	0.0041	-0.37983	1.78E-17
0.47186	0.060599	0.19113	-0.14321	0.00192
1.73E-07	0.210249	4.59E-06	-0.09192	0.04711
0.09164	0.148671	0.00127	-0.0349	0.45187
4.97E-08	0.288232	2.19E-10	-0.00682	0.8832
0.21924	0.157457	0.00064	-0.38851	2.83E-18
0.00488	0.238412	1.85E-07	-0.02604	0.57464
0.00015	0.308224	9.80E-12	-0.12283	0.00788
0.04496	0.15755	0.00063	-0.06091	0.18884
0.13052	0.119338	0.00985	-0.18365	6.55E-05
0.26024	0.154891	0.00078	-0.19266	2.77E-05
0.00187	0.113722	0.01393	0.05358	0.24785
0.00245	0.211064	4.21E-06	-0.1073	0.02038
0.1208	0.208755	5.38E-06	-0.26905	3.46E-09
0.934	0.058555	0.20657	-0.00828	0.85831
0.10337	0.340351	3.96E-14	-0.19003	3.58E-05

0.00234	0.153526	0.00087	-0.41996	2.23E-21
0.00141	0.205427	7.63E-06	-0.17382	0.00016
0.00102	0.26806	3.97E-09	-0.23061	4.70E-07
0.22812	0.174589	0.00015	-0.38983	2.13E-18
0.73985	0.195792	2.03E-05	-0.14821	0.00132
0.07866	0.161923	0.00044	-0.0973	0.03555
0.00528	0.214363	2.95E-06	-0.03274	0.48024
0.0029	0.147104	0.00143	0.010435	0.82206
0.22351	0.037547	0.41823	-0.20468	8.25E-06
0.0382	0.055554	0.23082	-0.04783	0.30235
0.55655	0.059691	0.19788	-0.26696	4.62E-09
0.12802	0.213596	3.20E-06	-0.16653	0.0003
0.99351	0.111745	0.0157	-0.104	0.02461
0.12167	0.077733	0.09338	-0.36504	3.63E-16
0.00546	0.292451	1.16E-10	-0.12796	0.00562
1.81E-08	0.16842	0.00026	0.036406	0.43252
0.02346	0.244057	9.25E-08	-0.08617	0.06278
0.00116	0.097837	0.03454	0.031708	0.49426
0.39159	0.114938	0.01294	0.097042	0.03604
0.01286	0.1044	0.02406	0.124633	0.007
0.64251	0.04408	0.34186	-0.16489	0.00035
0.98447	-0.2667	4.79E-09	0.232417	3.80E-07
0.14098	-0.18297	6.98E-05	0.097426	0.03531
0.00816	-0.18387	6.42E-05	0.217518	2.09E-06
0.01852	-0.11836	0.01047	0.039665	0.39244
3.51E-06	-0.14452	0.00174	0.309707	7.71E-12
0.00011	-0.18271	7.15E-05	0.216024	2.46E-06
0.77363	-0.08688	0.06067	0.115472	0.01252
6.59E-05	-0.0831	0.07281	0.165627	0.00033
0.0181	-0.09207	0.04675	0.183787	6.47E-05
0.54673	-0.20604	7.16E-06	0.067979	0.14243
0.60893	-0.12849	0.00542	0.024281	0.6007
0.00395	-0.18324	6.81E-05	0.131479	0.00443
0.09567	-0.13372	0.00379	0.062191	0.17971
0.00323	-0.14089	0.00227	0.087223	0.05964
0.01176	-0.21021	4.61E-06	0.167566	0.00028
0.00026	-0.12637	0.00625	0.29154	1.33E-10
0.01753	-0.18454	6.03E-05	0.062302	0.17893
0.85483	-0.13095	0.00459	0.119764	0.00958
0.00582	-0.17227	0.00018	0.229851	5.13E-07
0.38419	-0.14356	0.00187	0.101716	0.02795
0.27446	-0.24157	1.26E-07	0.04703	0.3105
0.01347	-0.12562	0.00656	0.172126	0.00019
0.01961	-0.19842	1.56E-05	-0.11397	0.01372
0.00237	-0.13618	0.00319	0.236867	2.23E-07

0.36001	-0.18328	6.78E-05	0.202549	1.03E-05
0.00105	-0.14633	0.00152	0.125849	0.00647
0.18095	-0.27773	1.02E-09	0.025805	0.57804
0.46693	-0.19815	1.61E-05	0.156385	0.0007
0.32962	-0.15801	0.00061	0.04884	0.29223
0.01071	-0.12268	0.00795	-0.03366	0.46803
0.00733	-0.17759	0.00011	0.22119	1.39E-06
0.50873	-0.19881	1.50E-05	0.157264	0.00065
0.00049	-0.14396	0.00181	0.181302	8.14E-05
0.93577	-0.23599	2.48E-07	0.069701	0.13257
0.02515	-0.17597	0.00013	0.283671	4.31E-10
0.04096	-0.1564	0.00069	0.127677	0.00573
0.22248	-0.15429	0.00082	0.103558	0.02523
0.1	-0.24051	1.43E-07	0.137484	0.00291
0.2828	-0.25432	2.50E-08	0.047861	0.30202
0.91337	-0.27165	2.41E-09	0.064883	0.16156
0.06858	-0.16792	0.00027	0.084009	0.06971
0.65955	-0.21151	4.01E-06	0.169387	0.00024
0.07045	-0.18396	6.36E-05	0.059455	0.19966
0.00144	-0.111	0.01641	0.18964	3.71E-05
0.0011	-0.13713	0.00298	0.068452	0.13967
0.17696	-0.10699	0.02074	0.076777	0.09748
0.44509	-0.20225	1.06E-05	0.045158	0.33017
0.41609	-0.16053	0.0005	-0.08733	0.05933
0.43524	-0.13129	0.00448	0.291546	1.33E-10
0.59575	-0.03168	0.49462	-0.27291	2.02E-09
0.07461	-0.01268	0.78458	-0.36999	1.35E-16
0.01305	-0.1173	0.01119	-0.33996	4.25E-14
0.43635	0.04015	0.38667	-0.36617	2.90E-16
0.42482	0.007667	0.86875	-0.19779	1.67E-05
0.09814	-0.00839	0.85654	-0.37289	7.47E-17
0.32087	-0.0588	0.2047	-0.3669	2.51E-16
0.00176	-0.01611	0.72837	-0.55666	2.36E-39
0.31856	-0.08097	0.08048	-0.34177	3.06E-14
3.53E-05	-0.07522	0.1045	-0.36373	4.70E-16
0.36645	-0.12972	0.00499	-0.34075	3.68E-14
0.09904	0.024737	0.59388	-0.52865	5.58E-35
0.13253	-0.01838	0.69202	-0.26397	6.95E-09
0.00994	0.04524	0.3293	-0.28715	2.58E-10
0.60466	-0.03902	0.40022	-0.39413	8.33E-19
6.81E-09	0.172983	0.00017	-0.13113	0.00453
0.6586	0.041773	0.36775	-0.23655	2.32E-07
8.31E-06	-0.14863	0.00128	-0.32367	7.52E-13
0.52666	-0.02078	0.65416	-0.28415	4.02E-10
0.91729	-0.02709	0.5593	0.412469	1.31E-20

0.71939	0.08362	0.07102	-0.27266	2.09E-09
0.61094	0.12522	0.00674	-0.34629	1.33E-14
0.25743	-0.09417	0.04194	-0.18392	6.39E-05
1.36E-08	0.212038	3.79E-06	-0.2374	2.09E-07
0.80021	-0.07094	0.12581	-0.30213	2.59E-11
0.05284	0.098775	0.03284	-0.14511	0.00167
0.42245	0.0031	0.94673	-0.2693	3.35E-09
0.01051	0.105474	0.02263	-0.34748	1.07E-14
0.65504	-0.03227	0.48662	-0.27612	1.28E-09
0.49348	0.010522	0.82059	-0.35131	5.19E-15
0.00043	-0.05984	0.19674	-0.51736	2.50E-33
0.08766	-0.1813	8.14E-05	-0.36455	4.00E-16
0.00204	-0.01723	0.71032	-0.31553	2.96E-12
0.0006	0.078748	0.08916	-0.1333	0.0039
0.06526	-0.13986	0.00245	-0.25202	3.37E-08
0.66949	-0.19116	3.21E-05	-0.16519	0.00034
0.02219	-0.12588	0.00645	-0.39235	1.23E-18
0.13397	-0.07198	0.12034	-0.27362	1.83E-09
0.00166	0.08523	0.06573	0.457169	1.70E-25
0.95512	0.003757	0.93547	-0.27529	1.45E-09
0.10012	0.002171	0.96268	-0.33787	6.20E-14
0.86636	0.143037	0.00194	-0.33123	2.02E-13
0.06125	-0.11458	0.01322	-0.40159	1.59E-19
0.59261	-0.0876	0.05855	-0.38453	6.63E-18
0.89941	-0.04613	0.31985	-0.29145	1.35E-10
0.75411	0.018896	0.68379	-0.42766	3.44E-22
0.02043	0.056426	0.22358	-0.26867	3.65E-09
0.9879	-0.10868	0.01881	-0.25168	3.52E-08
0.05284	0.021538	0.64248	0.406877	4.78E-20
0.79889	0.044187	0.3407	-0.28527	3.41E-10
0.8005	-0.06416	0.16632	-0.44618	3.16E-24
0.3081	-0.08644	0.06199	-0.2541	2.58E-08
0.1055	-0.12285	0.00786	-0.23154	4.21E-07
0.05585	-0.04219	0.36301	-0.26683	4.71E-09
0.02642	0.057498	0.21489	-0.34644	1.29E-14
0.71799	-0.02449	0.59756	-0.45366	4.37E-25
0.6521	-0.03929	0.39696	-0.30024	3.49E-11
0.3232	-0.10646	0.02139	-0.17139	0.0002
0.01068	-0.06986	0.13168	-0.5628	2.28E-40
0.35743	-0.02663	0.5659	-0.20671	6.68E-06
0.01882	-0.09514	0.03987	-0.19176	3.02E-05
0.0472	-0.08624	0.06257	-0.14556	0.00161
9.76E-06	0.014875	0.74851	-0.04646	0.31646
0.71741	-0.09245	0.04586	-0.47258	2.34E-27
0.04364	-0.0617	0.18319	-0.27994	7.42E-10

0.87286	0.008764	0.85018	-0.2875	2.44E-10
0.11137	0.11203	0.01543	-0.49146	9.11E-30
0.1034	0.152632	0.00094	-0.34954	7.24E-15
0.20805	-0.01071	0.81749	-0.31538	3.04E-12
0.00189	0.002439	0.95808	-0.27752	1.05E-09
0.39913	0.109648	0.01777	-0.31548	2.99E-12
0.19874	0.004282	0.92646	-0.4022	1.38E-19
2.52E-06	-0.12085	0.00895	-0.54992	2.90E-38
0.5763	-0.12522	0.00674	-0.39193	1.35E-18
0.00164	0.074922	0.10588	0.502638	2.88E-31
0.16051	-0.04906	0.29002	-0.36676	2.58E-16
0.46716	-0.03132	0.49957	-0.19329	2.60E-05
0.07002	0.021642	0.64086	0.447232	2.40E-24
5.71E-05	0.173424	0.00017	0.027163	0.55819
0.1446	-0.0059	0.89881	-0.20343	9.39E-06
0.0019	-0.0331	0.47548	-0.23681	2.25E-07
0.00251	-0.09917	0.03215	-0.46782	9.01E-27
0.73367	0.018051	0.69723	-0.37056	1.20E-16
0.00118	0.102358	0.02698	-0.31401	3.81E-12
0.46087	-0.14395	0.00182	-0.20647	6.85E-06
0.27076	-0.16183	0.00045	-0.2097	4.87E-06
0.00278	0.124268	0.00717	-0.27611	1.29E-09
0.00296	-0.05119	0.2696	-0.15971	0.00053
0.00029	-0.02362	0.61072	-0.03705	0.42447
0.01167	-0.0539	0.24502	-0.39769	3.80E-19
1.38E-05	-0.11086	0.01655	-0.49447	3.64E-30
0.02483	-0.06164	0.18363	-0.34223	2.81E-14
0.15198	-0.23198	4.00E-07	-0.39653	4.91E-19
0.1195	0.112258	0.01522	-0.40597	5.89E-20
0.97392	-0.0849	0.06679	-0.20757	6.10E-06
0.00428	-0.15249	0.00095	-0.3181	1.93E-12
0.10305	-0.14429	0.00177	-0.40868	3.16E-20
0.25906	-0.08407	0.06951	-0.3316	1.90E-13
0.62419	-0.00307	0.94726	-0.31566	2.90E-12
1.95E-05	0.144041	0.0018	-0.22189	1.28E-06
0.08296	-0.08349	0.07144	-0.30386	1.97E-11
0.12248	0.092574	0.04556	-0.40051	2.02E-19
0.00446	-0.10832	0.01921	-0.22324	1.10E-06
0.0719	0.050356	0.27749	0.503302	2.33E-31
0.07353	-0.03212	0.4886	-0.4823	1.40E-28
0.24398	0.025117	0.58823	0.456066	2.29E-25
0.62837	-0.04883	0.29237	-0.3938	8.97E-19
0.50123	-0.03993	0.3893	-0.12008	0.00939
0.41045	-0.04164	0.36925	-0.29216	1.21E-10
0.00291	-0.00667	0.88573	-0.26385	7.06E-09



0.07613	-0.06352	0.17053	0.277929	9.91E-10
0.28472	-0.03551	0.44396	-0.43317	8.79E-23
0.43751	0.0405	0.38254	0.476416	7.80E-28
0.92703	-0.06333	0.17182	-0.34884	8.26E-15
0.17622	-0.12036	0.00923	-0.2318	4.08E-07
0.08467	-0.1214	0.00863	-0.04686	0.31222
0.22607	-0.0476	0.30464	-0.30058	3.31E-11
0.02885	-0.06896	0.13674	-0.22829	6.16E-07
0.00212	0.087157	0.05983	0.498737	9.74E-31
0.05482	-0.12967	0.00501	-0.15749	0.00064
0.03817	-0.11829	0.01051	-0.51464	6.10E-33
0.20925	-0.00579	0.90069	-0.29064	1.53E-10
3.80E-05	-0.20034	1.29E-05	-0.29264	1.13E-10
0.16035	-0.12221	0.0082	-0.2452	8.02E-08
0.39976	-0.16729	0.00028	-0.2827	4.97E-10
2.31E-05	0.173383	0.00017	-0.31783	2.02E-12
0.18413	-0.07277	0.11632	-0.27839	9.28E-10
0.9072	-0.03301	0.47662	-0.37995	1.74E-17
0.52159	-0.14279	0.00198	-0.21578	2.52E-06
0.00533	-0.07922	0.08726	-0.45294	5.30E-25
0.07196	-0.06154	0.18434	-0.23839	1.86E-07
0.33119	0.071271	0.12405	-0.3699	1.37E-16
0.02143	-0.11091	0.01649	-0.38727	3.69E-18
0.3312	0.125493	0.00662	-0.36949	1.49E-16
0.08651	-0.06792	0.14279	-0.217	2.21E-06
0.98269	0.010397	0.82269	-0.3946	7.52E-19
0.17185	-0.09696	0.0362	-0.30526	1.58E-11
0.00218	-0.13209	0.00424	-0.44993	1.18E-24
0.00043	-0.14742	0.0014	-0.38734	3.64E-18
0.01973	-0.04459	0.33634	-0.2378	2.00E-07
0.89855	0.076802	0.09738	-0.27463	1.59E-09
0.28117	-0.07163	0.12215	-0.37442	5.47E-17
1.67E-08	0.158037	0.00061	-0.13213	0.00423
0.05284	-0.05994	0.196	-0.35759	1.56E-15
0.29436	-0.08762	0.05849	-0.26888	3.55E-09
0.00918	-0.08988	0.05225	-0.27666	1.19E-09
1.04E-06	0.176541	0.00013	-0.22904	5.65E-07
0.18013	-0.07089	0.12608	-0.38335	8.50E-18
6.90E-10	0.251259	3.72E-08	-0.29357	9.79E-11
0.10054	-0.02238	0.62955	-0.44879	1.59E-24
0.00336	-0.06199	0.18114	-0.209	5.24E-06
0.22339	-0.02313	0.6181	-0.29231	1.19E-10
0.06148	0.064594	0.16344	-0.39201	1.33E-18
0.37089	-0.01315	0.77688	-0.31695	2.34E-12
0.02309	0.048217	0.29843	-0.3888	2.66E-18

0.00047	-0.19587	2.02E-05	-0.24478	8.45E-08
0.28027	-0.13988	0.00245	-0.19435	2.35E-05
0.81708	0.057611	0.21398	-0.36567	3.20E-16
7.50E-05	0.206816	6.60E-06	-0.27463	1.59E-09
0.80692	-0.06479	0.16219	-0.33979	4.39E-14
0.64166	-0.08523	0.06573	-0.34424	1.94E-14
0.20589	-0.17915	9.91E-05	-0.27798	9.84E-10
0.70673	-0.0808	0.08109	-0.37572	4.18E-17
0.71636	0.031365	0.49895	-0.29522	7.60E-11
0.0448	-0.09132	0.04859	-0.19708	1.79E-05
0.00014	0.087164	0.05981	-0.25283	3.03E-08
0.29963	0.05301	0.25292	0.562553	2.50E-40
0.03978	-0.09601	0.03807	-0.17469	0.00015
1.44E-10	0.382931	9.30E-18	-0.33642	8.05E-14
0.3236	0.002281	0.96079	-0.26203	9.03E-09
0.80942	-0.06203	0.18085	-0.28957	1.79E-10
0.00163	-0.04312	0.35245	-0.18001	9.17E-05
0.05442	-0.11166	0.01577	-0.24431	8.96E-08
0.14647	-0.07459	0.10745	-0.48235	1.38E-28
0.05926	0.045529	0.32622	-0.37254	8.03E-17
0.26084	-0.10256	0.02667	-0.23472	2.89E-07
0.92621	-0.1273	0.00587	-0.27039	2.88E-09
0.15752	0.027951	0.54682	-0.37241	8.24E-17
0.91534	0.028886	0.53349	0.331533	1.92E-13
0.39501	-0.08757	0.05863	-0.25781	1.58E-08
0.00034	0.137947	0.00281	-0.31082	6.44E-12
0.00016	0.120495	0.00915	-0.1141	0.01361
0.13739	-0.13647	0.00313	-0.38055	1.54E-17
0.00315	-0.04478	0.33421	-0.22444	9.59E-07
0.21722	0.059547	0.19896	-0.37249	8.10E-17
0.96182	-0.13773	0.00286	-0.39809	3.47E-19
0.07445	-0.04193	0.366	-0.32267	8.92E-13
0.02338	-0.05666	0.22163	-0.06997	0.13107
0.13884	-0.1781	0.00011	-0.38115	1.35E-17
0.96148	-0.01796	0.69866	-0.40801	3.69E-20
0.66979	-0.11811	0.01063	-0.34366	2.16E-14
0.01088	-0.06158	0.18402	-0.31564	2.91E-12
0.01519	0.02702	0.56026	-0.33495	1.05E-13
0.00023	-0.11698	0.01141	-0.11331	0.01429
0.89331	0.020395	0.66023	0.399588	2.49E-19
0.0154	-0.13792	0.00282	-0.1506	0.0011
0.89644	0.05901	0.20305	-0.28123	6.16E-10
0.05843	-0.16461	0.00035	-0.33792	6.15E-14
0.03467	-0.14391	0.00182	-0.19661	1.88E-05
0.40113	0.018695	0.68698	0.347083	1.15E-14

0.49719	-0.22986	5.13E-07	0.224001	1.01E-06
0.88218	-0.1095	0.01792	0.374695	5.17E-17
0.23521	-0.21203	3.80E-06	0.22839	6.09E-07
0.85806	-0.25943	1.28E-08	0.194463	2.32E-05
0.14204	-0.30987	7.51E-12	0.199712	1.37E-05
0.00091	-0.16138	0.00046	0.471695	3.02E-27
0.00017	-0.18066	8.63E-05	0.379432	1.94E-17
0.00059	-0.23608	2.45E-07	0.249072	4.92E-08
0.62202	-0.2132	3.34E-06	0.157459	0.00064
9.78E-08	-0.0907	0.05014	0.537404	2.65E-36
4.43E-07	-0.0413	0.37315	0.623968	9.34E-52
7.81E-07	-0.03707	0.42421	0.603533	1.12E-47
0.76115	-0.25112	3.78E-08	0.397108	4.32E-19
0.00118	-0.15618	0.00071	0.388663	2.74E-18
0.62168	-0.23655	2.32E-07	0.290612	1.53E-10
0.02193	-0.04854	0.29524	0.326396	4.70E-13
0.20317	-0.26954	3.24E-09	0.284009	4.10E-10
5.50E-05	-0.16414	0.00037	0.313605	4.07E-12
2.43E-05	-0.18716	4.71E-05	0.451771	7.24E-25
0.29798	-0.27157	2.44E-09	0.319918	1.42E-12
0.1636	-0.21953	1.67E-06	0.347034	1.16E-14
0.15275	-0.11982	0.00955	0.300051	3.59E-11
0.85735	-0.19178	3.02E-05	0.242841	1.08E-07
0.05583	-0.30823	9.80E-12	0.346598	1.26E-14
0.00026	-0.24192	1.20E-07	0.250401	4.15E-08
0.00758	-0.18986	3.64E-05	0.459381	9.31E-26
0.06812	-0.27161	2.43E-09	0.281166	6.21E-10
0.91916	-0.28867	2.05E-10	0.16525	0.00034
0.33426	-0.24849	5.30E-08	0.225185	8.81E-07
0.00271	-0.24429	8.98E-08	0.384446	6.74E-18
0.10311	-0.15782	0.00062	0.28421	3.98E-10
0.35071	-0.231	4.49E-07	0.438762	2.14E-23
0.00219	-0.11715	0.01129	0.483618	9.52E-29
0.03355	-0.13564	0.00331	0.190763	3.33E-05
0.05191	-0.17212	0.00019	0.226229	7.82E-07
0.11491	-0.21448	2.91E-06	0.166145	0.00031
0.07947	-0.26703	4.58E-09	0.3484	8.97E-15
5.08E-07	-0.146	0.00156	0.483854	8.88E-29
0.03159	-0.27688	1.15E-09	0.480344	2.49E-28
1.64E-05	-0.1348	0.00352	0.487818	2.73E-29
0.31198	-0.03289	0.47828	0.004164	0.92849
1.28E-05	-0.0494	0.28674	-0.19774	1.68E-05
0.00526	-0.13901	0.00261	-0.02458	0.59626
0.08126	-0.11641	0.01182	-0.10646	0.0214
3.78E-11	-0.18375	6.49E-05	-0.28961	1.78E-10

0.00057	0.005692	0.90236	-0.017	0.71403
0.12181	-0.07079	0.1266	-0.03231	0.48606
0.34237	-0.02821	0.54311	-0.13155	0.00441
0.49681	0.049647	0.28432	-0.00642	0.88991
0.0691	0.065796	0.15572	-0.09031	0.05113
0.01456	-0.00093	0.98398	-0.05484	0.23685
0.0034	-0.06751	0.14522	-0.13603	0.00323
1.24E-05	-0.11461	0.0132	-0.15804	0.00061
0.26996	0.020723	0.65512	-0.05912	0.2022
1.62E-05	-0.07066	0.12729	-0.0842	0.06907
0.04769	-0.05223	0.25994	-0.0266	0.56638
0.58199	-0.0626	0.17684	0.019042	0.68149
0.00021	0.031782	0.49325	-0.24237	1.14E-07
0.00095	0.005556	0.90469	-0.22224	1.23E-06
0.00692	-0.03139	0.49854	0.022745	0.62395
0.01272	0.040644	0.38085	-0.07055	0.12789
0.00042	-0.01	0.82934	-0.14889	0.00125
0.09802	-0.08033	0.08289	-0.03547	0.44441
0.00047	-0.02095	0.65151	-0.13894	0.00262
0.0022	-0.13469	0.00354	-0.14124	0.00222
0.00342	-0.05107	0.27075	-0.00259	0.95553
0.01585	-0.03614	0.43588	-0.10135	0.02852
0.93638	0.055107	0.2346	0.205114	7.89E-06
0.00028	0.003331	0.94277	-0.15274	0.00093
0.14356	0.03707	0.42417	-0.07248	0.11778
0.00014	0.026205	0.57216	-0.19695	1.81E-05
0.00067	0.053124	0.2519	-0.19303	2.67E-05
0.00475	0.02742	0.55447	-0.09487	0.04043
0.75651	0.035926	0.43861	0.115838	0.01224
0.00087	0.019018	0.68187	0.005629	0.90344
1.28E-06	-0.00124	0.97873	-0.37773	2.76E-17
0.00174	0.050306	0.27797	-0.10705	0.02068
0.00701	-0.02899	0.53203	-0.18619	5.16E-05
0.00298	-0.0004	0.99316	-0.11463	0.01319
0.03405	0.006159	0.8944	-0.09216	0.04654
0.58342	-0.10524	0.02293	0.084916	0.06674
0.69506	-0.0853	0.06552	0.004382	0.92475
0.00146	-0.10245	0.02684	-0.15002	0.00115
0.00019	0.027477	0.55365	-0.21721	2.16E-06
0.03121	-0.06418	0.16618	0.423959	8.51E-22
0.00213	0.096959	0.0362	-0.12549	0.00662
0.17736	-0.05052	0.27591	0.025485	0.58276
1.14E-05	-0.13583	0.00327	-0.28456	3.78E-10
0.07639	-0.02883	0.53429	-0.06676	0.14977
2.08E-06	-0.02777	0.54948	-0.17364	0.00016

0.0035	-0.11855	0.01034	-0.19837	1.57E-05
0.60525	-0.00573	0.90165	-0.01203	0.79543
0.94652	0.014328	0.75746	0.052546	0.2571
0.05019	0.033779	0.46648	-0.10146	0.02836
0.24537	0.037988	0.41277	0.035011	0.45037
0.22555	-0.04635	0.31752	0.185498	5.51E-05
6.85E-05	-0.16251	0.00042	-0.22625	7.80E-07
0.002	-0.02239	0.62935	-0.12758	0.00576
9.13E-05	-0.00188	0.96763	-0.24646	6.84E-08
0.00168	0.026612	0.56621	-0.08959	0.05302
0.0094	-0.01819	0.69507	-0.1045	0.02393
0.00243	-0.04675	0.31341	-0.02202	0.63511
2.76E-05	-0.02692	0.56172	-0.30028	3.47E-11
0.42247	0.007982	0.86341	0.203027	9.79E-06
0.13018	-0.04258	0.35857	0.134318	0.00364
2.52E-05	-0.04005	0.38785	-0.29482	8.09E-11
2.13E-06	-0.05238	0.25859	-0.35977	1.02E-15
0.00054	-0.11203	0.01543	0.022461	0.62828
0.00362	-0.10527	0.0229	-0.0019	0.96729
0.60715	0.010455	0.82172	0.021726	0.63957
0.01932	-0.04378	0.3452	0.031608	0.49562
0.01707	-0.02997	0.51818	-0.27001	3.03E-09
0.25197	0.008967	0.84675	0.073511	0.11263
0.19875	-0.00084	0.98559	-0.04926	0.28808
0.02241	0.104061	0.02452	-0.25655	1.87E-08
2.09E-06	-0.00396	0.93191	-0.28843	2.13E-10
0.16367	-0.04668	0.31417	0.070601	0.12763
0.84762	0.05947	0.19954	-0.04221	0.36277
0.37768	0.049727	0.28354	-0.0094	0.83938
0.01351	-0.07045	0.12847	-0.05036	0.27748
4.67E-06	-0.15493	0.00078	-0.16174	0.00045
0.00135	-0.0785	0.09018	0.027197	0.55769
0.28809	-0.08067	0.08161	0.207291	6.28E-06
0.37389	0.034183	0.46116	0.08032	0.08294
0.62323	-0.02982	0.5204	0.04339	0.34949
0.00858	0.135877	0.00326	0.08485	0.06695
0.0002	-0.26345	7.46E-09	0.000743	0.98722
0.00075	0.155187	0.00077	0.121158	0.00877
0.45387	0.021535	0.64252	0.010774	0.81637
0.31841	0.094926	0.04032	0.07096	0.1257
0.24439	0.04966	0.28419	0.049904	0.28184
0.04923	-0.08515	0.06598	-0.13561	0.00332
4.34E-05	-0.04829	0.29775	-0.2507	4.00E-08
3.36E-07	-0.01626	0.72598	-0.20979	4.82E-06
0.04263	-0.01951	0.6741	-0.13139	0.00446

0.23488	-0.01549	0.73853	0.015817	0.73318
1.32E-07	-0.01287	0.7814	-0.18835	4.20E-05
0.00116	-0.03482	0.4529	-0.29995	3.65E-11
0.00011	-0.23444	2.99E-07	-0.11349	0.01413
0.31637	-0.02967	0.52241	-0.02708	0.55938
0.03581	0.019197	0.67903	-0.00964	0.83541
0.66964	-0.05873	0.20521	0.091792	0.04742
1.08E-05	-0.07818	0.09148	-0.27785	1.00E-09
0.00052	0.017355	0.70836	-0.20366	9.17E-06
9.39E-05	-0.01872	0.68661	-0.06668	0.15024
0.01427	-0.15713	0.00065	0.123491	0.00755
0.0001	-0.04905	0.2902	-0.12244	0.00808
0.13906	-0.00519	0.91094	0.253369	2.83E-08
0.90731	-0.01049	0.82108	0.048485	0.29576
0.00225	0.002193	0.96231	-0.05866	0.20576
0.92792	-0.051	0.27134	0.036482	0.43156
0.28189	-0.07163	0.12218	0.004739	0.91866
0.82148	0.026603	0.56633	0.139677	0.00248
0.05463	-0.07224	0.11899	0.021115	0.64902
0.00021	-0.02678	0.5637	-0.31608	2.71E-12
0.18281	-0.02846	0.53952	-0.049	0.29066
0.02988	0.049343	0.28729	-0.16767	0.00027
0.04506	-0.01918	0.6793	-0.13199	0.00427
0.05584	0.017259	0.70989	-0.13103	0.00457
0.9984	0.051897	0.26303	-0.07574	0.1021
4.97E-06	0.071701	0.12179	-0.29517	7.66E-11
0.00982	-0.09845	0.03342	0.106518	0.02132
0.68795	-0.06774	0.14383	-0.01618	0.72735
0.69427	0.078115	0.09177	0.081921	0.07697
0.32793	-0.0331	0.47554	-0.04271	0.35714
0.23973	-0.02663	0.56591	-0.04063	0.38104
0.45428	0.035478	0.44435	-0.01416	0.76015
7.95E-08	-0.07289	0.11571	-0.24997	4.39E-08
7.11E-05	-0.03892	0.40139	-0.14529	0.00164
0.13641	-0.08591	0.0636	0.006835	0.88289
3.76E-07	-0.07231	0.11862	-0.23452	2.96E-07
0.44888	-0.07253	0.11753	0.131596	0.00439
0.00117	0.042613	0.35818	-0.21562	2.57E-06
0.79077	-0.01888	0.68412	-0.14737	0.0014
0.38213	-0.02681	0.56336	-0.02497	0.59035
0.01173	-0.04207	0.36439	-0.1783	0.00011
6.18E-08	-0.06808	0.14182	-0.2239	1.02E-06
0.61756	-0.03977	0.39119	0.191317	3.16E-05
0.00435	-0.09947	0.03162	-0.05975	0.19747
0.06206	0.119976	0.00946	0.087549	0.05869

0.51435	-0.02292	0.62131	-0.08374	0.07061
0.22351	0.137599	0.00288	0.009214	0.84259
0.00088	-0.05364	0.2473	-0.23567	2.58E-07
0.33921	0.020977	0.65116	0.103293	0.0256
0.00014	0.051062	0.2708	-0.06898	0.13662
0.31791	-0.09531	0.03951	-0.00499	0.91435
0.00033	-0.0797	0.08534	-0.06984	0.1318
1.26E-06	0.015705	0.73499	-0.3323	1.68E-13
1.64E-06	-0.05885	0.20425	-0.45353	4.53E-25
1.71E-08	-0.09294	0.04472	-0.24605	7.21E-08
0.00083	-0.01962	0.67234	-0.41227	1.37E-20
0.00176	-0.08043	0.08251	-0.14873	0.00127
0.00327	-0.09672	0.03667	-0.11683	0.01151
1.30E-06	-0.08885	0.05501	-0.22819	6.23E-07
0.9243	0.012104	0.79419	0.117108	0.01132
0.7765	0.062861	0.17506	0.289213	1.89E-10
0.14456	-0.05704	0.21859	0.051336	0.26824
0.65914	-0.07986	0.08471	0.03005	0.51712
0.00157	0.058674	0.20564	0.09296	0.04466
0.05012	-0.07399	0.11029	0.097169	0.0358
0.62755	-0.14191	0.00211	-0.01074	0.81691
0.00096	-0.04442	0.33813	0.213955	3.08E-06
0.68021	-0.12222	0.00819	0.111827	0.01562
0.00029	0.052707	0.25564	0.003658	0.93716
0.01506	-0.02466	0.59499	-0.04746	0.30606
0.24215	-0.01156	0.8033	-0.10583	0.02218
0.0331	-0.06541	0.15815	-0.01002	0.82907
0.57469	-0.15043	0.00111	0.061339	0.18576
0.01033	-0.09663	0.03684	0.115006	0.01289
0.80147	-0.09533	0.03946	-0.07573	0.10218
0.88126	-0.0348	0.45311	-0.10353	0.02526
0.39699	-0.07833	0.09087	-0.0076	0.86985
0.00053	0.069099	0.13595	-0.02359	0.61117
0.00543	0.081677	0.07785	0.011294	0.80767
0.51896	-0.00431	0.92605	-0.10699	0.02075
0.15942	-0.06841	0.1399	0.042415	0.36043
0.84807	-0.0555	0.23129	-0.03702	0.42479
0.16542	0.031738	0.49385	-0.00332	0.94289
0.11463	-0.05915	0.20201	0.101962	0.02758
3.49E-06	0.0803	0.08302	0.076066	0.10064
2.11E-05	0.061299	0.18604	0.109355	0.01808
0.49795	-0.13418	0.00367	0.079136	0.08759
0.59434	-0.12176	0.00844	0.01481	0.74958
0.02637	-0.11277	0.01476	0.157432	0.00064
9.45E-05	-0.04815	0.29914	0.192788	2.74E-05

0.64597	-0.08617	0.06279	-0.07613	0.10034
0.08833	-0.09184	0.0473	0.136743	0.00307
0.13145	0.002669	0.95414	0.005617	0.90365
0.37383	0.047059	0.3102	-0.07069	0.12713
0.10551	-0.03862	0.40505	0.145285	0.00164
5.42E-05	0.033831	0.4658	0.126063	0.00638
0.03025	-0.00942	0.83912	0.021983	0.63562
0.57827	-0.02646	0.56848	0.037844	0.41454
0.1999	-0.08654	0.06167	0.069925	0.13133
0.2591	-0.12207	0.00827	0.015154	0.74395
0.33806	-0.11936	0.00983	0.060644	0.1908
0.68107	-0.17322	0.00017	0.155936	0.00072
0.20288	-0.06298	0.17426	-0.00636	0.89089
0.72048	-0.10439	0.02407	0.067512	0.1452
0.389	-0.06223	0.17941	0.118053	0.01067
8.84E-07	0.041763	0.36787	0.178375	0.00011
8.03E-05	0.044672	0.33541	0.102374	0.02695
0.02366	-0.03678	0.42782	0.09576	0.03858
0.56885	-0.088	0.05739	0.064634	0.16317
0.41305	-0.11768	0.01092	0.080184	0.08346
0.56401	-0.04731	0.30761	0.010728	0.81714
0.97454	-0.0532	0.2512	-0.10958	0.01784
0.45246	-0.0866	0.0615	-0.00869	0.85148
0.3564	-0.10028	0.03026	0.084833	0.067
0.0001	0.045616	0.32529	0.175325	0.00014
4.65E-06	0.026937	0.56147	0.299696	3.80E-11
0.08884	-0.05168	0.26503	-0.15627	0.0007
2.47E-05	-0.05525	0.23343	0.382205	1.08E-17
3.01E-05	-0.00128	0.97804	-0.10952	0.01791
0.95083	0.170511	0.00021	0.263317	7.59E-09
0.16456	-0.03982	0.3906	-0.07869	0.08938
0.00439	0.086621	0.06143	0.224829	9.17E-07
0.00053	-0.00194	0.96672	-0.05536	0.23247
5.35E-12	0.049437	0.28637	0.506281	9.08E-32
0.0003	-0.09674	0.03663	0.052731	0.25542
1.40E-10	-0.09309	0.04437	0.246873	6.50E-08
4.67E-19	0.274339	1.65E-09	0.418393	3.25E-21
2.39E-05	-0.06498	0.16092	0.519861	1.09E-33
0.10708	0.215496	2.60E-06	0.023776	0.60831
1.18E-12	0.104728	0.02361	0.277449	1.06E-09
4.47E-05	-0.06573	0.15613	0.137671	0.00287
0.00062	0.00693	0.88127	0.1451	0.00167
0.31417	-0.11343	0.01419	-0.02845	0.53967
1.61E-09	-0.07249	0.11771	0.643603	5.69E-56
4.51E-06	-0.03596	0.4382	0.040554	0.38191



0.05718	-0.10727	0.02041	0.138184	0.00277
3.44E-10	-0.08713	0.05992	0.109629	0.01779
6.52E-07	0.17037	0.00022	0.095754	0.0386
1.30E-07	0.036858	0.42682	0.237768	2.00E-07
5.29E-05	-0.01879	0.68547	0.542353	4.55E-37
2.65E-10	0.142592	0.00201	0.196956	1.81E-05
7.80E-07	-0.10489	0.0234	0.076261	0.09976
1.91E-08	-0.05671	0.22124	0.206803	6.61E-06
0.31777	-0.16485	0.00035	0.354023	3.10E-15
0.60841	0.075378	0.10376	-0.07683	0.09727
4.33E-05	0.038393	0.4078	0.141213	0.00222
0.58849	-0.14086	0.00228	0.068541	0.13915
1.04E-09	0.098584	0.03318	0.392343	1.23E-18
2.66E-06	-0.09228	0.04626	0.091774	0.04746
2.28E-13	0.171449	0.0002	0.156397	0.00069
0.00012	0.022651	0.62538	0.126773	0.00608
0.42882	0.080847	0.08093	0.09148	0.04818
0.00144	-0.04178	0.36771	0.165522	0.00033
1.83E-10	-0.1275	0.00579	0.21339	3.28E-06
2.12E-09	-0.13584	0.00327	0.280243	7.10E-10
1.05E-08	-0.15192	0.00099	0.221389	1.36E-06
0.63112	-0.13125	0.0045	0.207219	6.33E-06
3.22E-12	0.221754	1.30E-06	0.299991	3.63E-11
0.15948	0.026392	0.56942	0.231594	4.19E-07
0.71783	-0.06484	0.16183	-0.14283	0.00197
0.01619	0.027603	0.55183	-0.07952	0.08607
0.00018	-0.01262	0.78554	0.100982	0.02911
2.64E-09	-0.02827	0.54229	0.208696	5.41E-06
5.78E-13	-0.01106	0.81151	0.297586	5.28E-11
0.01463	0.040317	0.38469	0.099718	0.0312
1.87E-24	0.310689	6.57E-12	0.292202	1.21E-10
0.00061	-0.22989	5.11E-07	0.089499	0.05326
0.02091	0.042615	0.35816	0.18125	8.18E-05
0.01176	0.089802	0.05246	0.156911	0.00067
0.00072	-0.12105	0.00883	0.270249	2.93E-09
0.00016	-0.03046	0.51148	0.184733	5.92E-05
4.59E-06	-0.09988	0.03092	0.18379	6.46E-05
0.41249	-0.21257	3.58E-06	-0.15099	0.00106
0.00184	0.000226	0.99612	0.050498	0.27613
7.44E-09	-0.08344	0.07163	0.177107	0.00012
0.00048	-0.10284	0.02627	-0.01382	0.76585
5.85E-09	-0.09538	0.03936	0.179704	9.43E-05
0.37781	-0.11623	0.01196	-0.18501	5.77E-05
1.61E-06	-0.16811	0.00026	0.161161	0.00047
6.42E-12	-0.06675	0.1498	0.230204	4.93E-07

7.28E-07	-0.1053	0.02286	0.117955	0.01074
0.41771	-0.10109	0.02893	-0.13562	0.00332
0.00079	-0.00683	0.88299	0.305213	1.59E-11
2.59E-06	-0.08189	0.07707	0.129237	0.00516
0.44483	-0.00694	0.8811	0.146688	0.00148
0.01471	-0.07574	0.10212	0.301541	2.84E-11
0.4401	-0.22137	1.36E-06	0.281306	6.09E-10
0.07484	-0.01189	0.79768	0.174364	0.00015
0.09927	0.015486	0.73855	-0.0928	0.04503
1.08E-05	-0.01018	0.8263	0.331648	1.88E-13
0.00037	0.032111	0.48878	0.397704	3.79E-19
0.00026	-0.20659	6.76E-06	0.276818	1.16E-09
0.00015	-0.10948	0.01795	0.395641	5.98E-19
0.1234	-0.01453	0.75407	0.315525	2.97E-12
0.00063	-0.09646	0.03718	0.492928	5.82E-30
1.88E-10	-0.12582	0.00648	0.238233	1.89E-07
0.00014	-0.05255	0.25704	-0.26329	7.62E-09
1.27E-14	0.119503	0.00974	0.258659	1.42E-08
3.54E-08	-0.05994	0.19599	0.545776	1.32E-37
0.00195	-0.1547	0.0008	0.056257	0.22496
7.80E-13	-0.10723	0.02047	0.397046	4.38E-19
0.20447	-0.14913	0.00123	0.026833	0.56298
4.10E-10	-0.04157	0.37011	0.522266	4.87E-34
0.37611	-0.10035	0.03014	0.078701	0.08935
0.00108	-0.06045	0.1922	-0.26212	8.92E-09
2.59E-08	0.118632	0.01029	-0.062	0.18106
0.00103	-0.15708	0.00066	-0.01633	0.72479
6.13E-11	0.066361	0.1522	0.375593	4.30E-17
0.01838	-0.05919	0.20164	0.241203	1.32E-07
0.00012	-0.17499	0.00014	0.281632	5.80E-10
3.15E-06	0.020438	0.65955	0.238032	1.94E-07
3.01E-05	-0.09529	0.03956	0.383401	8.42E-18
4.94E-05	-0.17538	0.00014	0.416169	5.50E-21
1.51E-08	-0.10567	0.02239	0.166737	0.0003
0.96811	-0.10596	0.02201	-0.01293	0.78044
9.42E-08	-0.10106	0.02899	0.437371	3.05E-23
5.41E-06	-0.08922	0.054	0.064613	0.16331
7.80E-06	-0.00321	0.94483	0.078857	0.08872
3.07E-05	-0.01225	0.79175	0.099918	0.03086
1.08E-11	0.106719	0.02108	0.371391	1.01E-16
0.00874	-0.16507	0.00034	0.007576	0.87029
0.00402	-0.08014	0.08362	0.191767	3.02E-05
0.01663	-0.04202	0.36488	0.154101	0.00083
0.02916	-0.17902	0.0001	-0.00677	0.88393
0.13276	-0.13124	0.0045	0.261524	9.66E-09

0.01322	0.209123	5.18E-06	-0.20721	6.33E-06
0.43311	0.17444	0.00015	0.076913	0.09689
0.00015	-0.04832	0.29739	0.046929	0.31154
3.87E-05	0.056963	0.21919	0.164876	0.00035
0.00176	-0.14615	0.00154	0.213093	3.38E-06
8.84E-06	-0.04591	0.32214	0.255168	2.24E-08
0.00903	-0.027	0.56048	0.132366	0.00416
0.00276	-0.06128	0.1862	-0.01518	0.74355
5.14E-13	-0.08057	0.08198	0.301496	2.86E-11
9.04E-06	-0.08059	0.0819	0.011603	0.80252
0.01762	-0.05247	0.25776	0.171025	0.0002
0.02548	-0.10809	0.01946	0.249878	4.44E-08
3.18E-07	-0.01724	0.7102	0.252921	3.00E-08
0.21265	-0.16177	0.00045	-0.24266	1.10E-07
6.79E-08	-0.01011	0.82743	0.205736	7.39E-06
0.05633	-0.17706	0.00012	0.130259	0.00481
0.00027	-0.11235	0.01513	0.042224	0.3626
0.01119	-0.0099	0.83108	0.233083	3.51E-07
1.06E-06	-0.16859	0.00025	0.240827	1.38E-07
6.25E-05	-0.00559	0.90415	0.422582	1.19E-21
2.07E-23	0.216048	2.45E-06	0.541246	6.76E-37
0.00078	-0.07547	0.10336	0.112082	0.01538
1.20E-08	0.126543	0.00618	0.250757	3.97E-08
0.81603	0.036898	0.42632	-0.07043	0.12857
0.19448	-0.09502	0.04011	0.391468	1.49E-18
1.83E-09	-0.03854	0.40597	0.281866	5.61E-10
1.94E-07	-0.15337	0.00088	0.131084	0.00455
4.95E-08	-0.11401	0.01369	0.170193	0.00022
0.07034	-0.09181	0.04737	0.095877	0.03835
4.51E-10	-0.12028	0.00927	0.203579	9.25E-06
0.00102	-0.10311	0.02587	-0.03902	0.40016
4.47E-09	-0.11995	0.00947	0.257364	1.68E-08
0.00019	-0.0289	0.53334	-0.04195	0.36573
1.58E-05	-0.0768	0.0974	0.31097	6.28E-12
0.10347	-0.19248	2.82E-05	0.17173	0.00019
0.01604	-0.10998	0.01743	-0.02335	0.61471
0.00011	0.05063	0.27488	0.097472	0.03523
8.99E-06	-0.04801	0.30054	0.036064	0.43686
5.66E-05	-0.10998	0.01743	0.329523	2.73E-13
5.31E-05	-0.13062	0.0047	0.110046	0.01736
0.19443	-0.11397	0.01372	0.357925	1.46E-15
0.1517	-0.15188	0.00099	0.259583	1.25E-08
0.77117	0.130532	0.00472	-0.11352	0.01411
6.95E-08	-0.10178	0.02786	0.044437	0.33797
0.36211	-0.02539	0.58418	-0.06744	0.14565

0.00014	0.016919	0.71536	0.034151	0.46158
3.16E-05	-0.16446	0.00036	0.169645	0.00023
0.00016	-0.10482	0.02349	0.166397	0.0003
4.13E-06	-0.06117	0.187	0.377794	2.72E-17
0.41322	-0.17201	0.00019	0.101302	0.0286
2.09E-13	-0.00358	0.93847	0.398708	3.03E-19
2.97E-06	-0.0217	0.64003	0.488197	2.43E-29
2.88E-13	-0.10632	0.02156	-0.15566	0.00074
0.00024	-0.09593	0.03823	0.246201	7.07E-08
4.34E-06	-0.15123	0.00104	0.165609	0.00033
1.91E-08	-0.14326	0.00191	0.22227	1.23E-06
0.00034	-0.21159	3.98E-06	0.129001	0.00524
6.57E-08	-0.00649	0.88868	0.3164	2.56E-12
0.04626	-0.03762	0.41726	0.008566	0.85353
0.00501	-0.07836	0.09074	0.444516	4.88E-24
2.04E-06	0.227755	6.55E-07	0.031096	0.50263
0.14719	0.049755	0.28327	-0.1148	0.01305
0.00068	0.066973	0.14845	0.205367	7.68E-06
1.99E-05	-0.11831	0.0105	0.086091	0.06304
0.0007	0.226993	7.16E-07	0.085583	0.06462
0.58228	-0.06819	0.1412	-0.12704	0.00598
0.00989	-0.06395	0.16768	-0.00686	0.88241
0.00014	0.10324	0.02568	0.186216	5.15E-05
0.95272	-0.09651	0.03709	-0.21165	3.95E-06
0.31517	-0.06957	0.13328	0.209116	5.18E-06
0.04141	0.022478	0.62802	-0.23249	3.77E-07
0.00341	-0.05693	0.21948	0.060518	0.19172
7.83E-06	-0.04091	0.37771	0.166265	0.00031
0.32451	-0.03321	0.47404	0.196409	1.91E-05
0.00137	-0.06585	0.15536	-0.08966	0.05285
4.56E-09	-0.13142	0.00444	0.282882	4.84E-10
0.00418	-0.09191	0.04712	0.25506	2.27E-08
0.03926	-0.17217	0.00019	0.238104	1.92E-07
1.87E-07	-0.00934	0.84044	0.001835	0.96845
4.46E-08	-0.04934	0.28736	0.224074	1.00E-06
0.00123	-0.09361	0.04319	0.060118	0.19469
0.04765	-0.11796	0.01073	0.212412	3.64E-06
0.01339	0.204262	8.61E-06	-0.02432	0.60018
2.53E-06	0.007509	0.87143	-0.18412	6.27E-05
0.94485	0.168651	0.00025	-0.05669	0.2214
2.19E-05	-0.10871	0.01878	0.052502	0.2575
0.00057	0.036628	0.42971	0.226876	7.25E-07
0.87583	-0.0237	0.6094	-0.07527	0.10426
1.18E-05	-0.15714	0.00065	0.086484	0.06184
0.00079	-0.0728	0.11615	0.372725	7.73E-17

0.64278	-0.07171	0.12172	0.287534	2.43E-10
0.01283	0.044218	0.34035	0.422575	1.19E-21
9.79E-10	-0.03721	0.42247	0.080834	0.08098
3.32E-09	-0.0391	0.39922	0.130129	0.00485
1.80E-10	-0.06395	0.1677	0.157955	0.00061
0.17995	-0.10484	0.02346	0.162714	0.00041
1.90E-15	0.04001	0.38833	0.487141	3.34E-29
3.54E-09	-0.12879	0.00531	0.18093	8.43E-05
1.52E-06	-0.11705	0.01136	0.206961	6.50E-06
0.43295	-0.15084	0.00108	0.094751	0.04069
2.38E-07	0.0178	0.70123	0.461565	5.12E-26
4.71E-13	0.15813	0.0006	0.151256	0.00104
0.77372	-0.04966	0.28421	-0.02973	0.52163
0.01702	-0.13146	0.00443	-0.00629	0.89222
2.68E-05	-0.05272	0.25549	0.007534	0.87101
0.04371	0.031803	0.49296	0.117998	0.01071
9.54E-06	-0.10884	0.01864	0.073682	0.1118
1.97E-09	-0.07271	0.11661	0.183429	6.69E-05
0.00016	-0.21937	1.70E-06	0.155212	0.00076
1.64E-09	0.071787	0.12134	0.244282	8.99E-08
1.08E-06	-0.06859	0.13884	0.392519	1.19E-18
0.00176	-0.15144	0.00103	0.131432	0.00444
0.0023	0.16631	0.00031	-0.03769	0.4165
3.74E-05	0.010186	0.82623	0.039388	0.39575
0.00064	-0.17926	9.82E-05	0.448167	1.88E-24
8.21E-05	-0.10705	0.02067	0.162827	0.00041
9.49E-06	-0.09315	0.04423	0.106069	0.02188
0.08988	-0.10715	0.02056	0.409995	2.33E-20
1.63E-07	-0.00509	0.91262	0.274864	1.53E-09
0.12718	-0.00631	0.89187	0.098664	0.03304
1.79E-06	-0.17996	9.21E-05	0.399605	2.48E-19
0.00699	-0.20885	5.33E-06	0.177195	0.00012
3.81E-09	-0.07884	0.08878	0.376067	3.90E-17
0.0026	-0.01458	0.75327	0.161071	0.00048
0.00014	-0.12457	0.00703	0.052343	0.25894
0.68986	-0.06079	0.18974	0.018762	0.68592
1.85E-07	-0.01052	0.82055	0.570932	9.51E-42
7.92E-05	-0.02251	0.62755	0.354937	2.60E-15
0.00867	-0.07114	0.12472	0.162076	0.00044
2.20E-12	-0.08784	0.05785	0.297195	5.61E-11
0.31325	-0.10465	0.02371	-0.18989	3.62E-05
2.25E-09	-0.03818	0.41043	0.079508	0.08611
0.46781	0.018344	0.69255	0.064286	0.16546
1.10E-12	-0.06506	0.16044	0.147211	0.00142
0.00058	-0.05564	0.23007	0.224825	9.18E-07

0.01318	-0.05345	0.24899	0.00613	0.89488
2.72E-09	0.013342	0.77369	0.176621	0.00012
0.74659	-0.15241	0.00095	-0.10111	0.02891
0.00907	-0.14882	0.00126	0.029858	0.5198
0.00452	-0.13184	0.00432	0.127139	0.00594
1.17E-05	-0.07995	0.08436	0.278537	9.08E-10
0.00016	0.034413	0.45815	-0.21264	3.55E-06
0.53976	0.026725	0.56456	0.069628	0.13298
1.65E-10	-0.04637	0.3174	0.109713	0.01771
0.01493	0.039556	0.39374	0.165501	0.00033
3.78E-10	-0.10105	0.02901	0.19896	1.48E-05
0.39518	-0.1036	0.02517	-0.04735	0.30719
0.00034	-0.12974	0.00498	-0.08793	0.0576
0.25161	-0.1739	0.00016	0.113288	0.01431
1.31E-10	-0.03435	0.459	0.376238	3.76E-17
0.00303	0.240444	1.44E-07	0.105521	0.02257
0.01563	-0.0028	0.95181	0.01182	0.79892
1.41E-05	-0.11309	0.01448	0.115012	0.01288
9.80E-10	-0.01809	0.69658	0.167044	0.00029
0.4935	-0.09445	0.04132	0.192738	2.75E-05
2.48E-13	-0.02941	0.52604	0.253333	2.85E-08
0.00015	-0.07585	0.10163	0.154722	0.00079
0.21701	-0.04393	0.34348	0.018053	0.69718
0.59985	-0.12277	0.0079	0.001413	0.9757
0.01548	-0.09308	0.04439	-0.31438	3.58E-12
0.00443	-0.14567	0.0016	0.121364	0.00866
1.29E-06	-0.00556	0.90466	-0.04505	0.33137
3.68E-06	0.119887	0.00951	0.164726	0.00035
0.02049	-0.09692	0.03628	0.082564	0.07467
1.26E-06	0.009778	0.83308	0.348329	9.09E-15
0.00985	-0.05857	0.20647	0.030402	0.51222
0.00163	-0.11726	0.01121	0.225598	8.40E-07
3.44E-09	-0.10177	0.02787	0.258665	1.41E-08
9.10E-10	-0.11124	0.01617	0.28844	2.12E-10
0.00544	-0.07783	0.09297	0.192381	2.85E-05
0.00016	-0.0628	0.17548	0.259642	1.24E-08
2.01E-10	-0.03898	0.40061	0.233791	3.23E-07
0.01404	-0.05561	0.23034	0.023393	0.61409
3.20E-07	-0.19307	2.66E-05	0.225987	8.04E-07
0.33237	-0.22256	1.19E-06	0.022402	0.62918
4.53E-05	-0.12842	0.00545	0.179673	9.45E-05
6.95E-05	-0.12915	0.00519	0.440961	1.22E-23
0.00489	-0.08993	0.05211	0.212638	3.55E-06
0.00392	-0.12962	0.00502	0.021691	0.64011
0.03036	0.070891	0.12607	0.175654	0.00014

0.60071	-0.13466	0.00355	-0.02231	0.63054
0.59577	-0.07213	0.11959	0.026987	0.56075
1.20E-06	-0.08785	0.05781	0.166844	0.00029
0.77762	-0.19511	2.18E-05	0.182844	7.06E-05
0.00233	0.012048	0.79512	0.356465	1.94E-15
4.60E-05	0.050574	0.27541	-0.22393	1.02E-06
8.42E-06	-0.01953	0.67383	0.461525	5.17E-26
0.50818	-0.14556	0.00161	0.183069	6.91E-05
2.24E-06	-0.21154	4.00E-06	0.23062	4.69E-07
6.59E-11	-0.12515	0.00677	0.189278	3.84E-05
0.00072	0.016005	0.73012	0.047736	0.30329
1.76E-07	-0.22717	7.01E-07	0.215963	2.47E-06
0.05181	-0.02262	0.62588	0.169292	0.00024
0.00018	-0.01373	0.76733	0.25781	1.58E-08
1.45E-06	-0.04087	0.3782	0.141009	0.00226
0.83414	-0.11057	0.01683	0.086207	0.06269
0.00207	0.087308	0.05939	-0.04098	0.37695
0.05205	-0.09226	0.0463	0.323156	8.21E-13
0.00682	0.167181	0.00028	-0.21024	4.59E-06
2.91E-10	0.033157	0.47473	-0.25188	3.43E-08
2.70E-05	-0.012	0.79598	0.034043	0.46299
1.91E-06	-0.13441	0.00361	0.189584	3.73E-05
0.02165	-0.091	0.04938	0.17152	0.0002
0.25228	0.006393	0.89041	0.127086	0.00596
6.12E-05	-0.10333	0.02555	0.239179	1.69E-07
0.01777	0.01103	0.81208	0.319221	1.60E-12
2.03E-05	-0.12011	0.00938	0.248781	5.10E-08
1.72E-08	-0.09635	0.0374	0.230937	4.52E-07
0.0228	-0.12325	0.00766	0.117985	0.01072
7.24E-07	-0.12768	0.00573	0.475737	9.49E-28
2.21E-09	-0.06247	0.17773	0.263584	7.32E-09
0.5355	-0.06755	0.14497	-0.04737	0.307
0.57888	-0.08337	0.07188	-0.19545	2.10E-05
2.01E-05	-0.12837	0.00546	0.261751	9.37E-09
0.03766	0.089493	0.05328	-0.09035	0.05102
3.05E-13	0.092272	0.04627	0.45115	8.54E-25
6.60E-05	0.031306	0.49975	0.401728	1.54E-19
5.20E-07	-0.06731	0.14643	0.168856	0.00025
7.47E-10	-0.15601	0.00072	0.207878	5.90E-06
0.30972	-0.09956	0.03147	0.05049	0.27622
0.47581	-0.2148	2.81E-06	0.420769	1.84E-21
2.44E-05	0.028784	0.53494	-0.09041	0.05088
1.30E-13	0.051856	0.26341	0.610286	5.42E-49
0.00604	-0.01175	0.80007	0.114768	0.01308
4.41E-05	-0.19406	2.42E-05	0.118905	0.01012

0.55705	0.090754	0.04999	0.165954	0.00032
3.60E-05	-0.04445	0.33786	0.042843	0.35559
0.03	-0.07832	0.09091	0.351362	5.14E-15
1.64E-07	-0.04217	0.36326	0.24724	6.20E-08
9.98E-12	0.169528	0.00023	0.165193	0.00034
0.00223	-0.04063	0.38101	0.445676	3.60E-24
2.32E-09	-0.08112	0.07991	0.172587	0.00018
0.00034	-0.03761	0.41742	0.08603	0.06323
0.96644	-0.24213	1.17E-07	0.130972	0.00458
0.81233	-0.0093	0.8412	0.014449	0.75547
0.00037	0.017345	0.70851	-0.06785	0.14318
0.15282	-0.07231	0.11863	-0.15908	0.00056
0.04824	-0.04604	0.32081	0.023826	0.60755
0.00281	-0.05353	0.24826	0.43463	6.10E-23
1.20E-06	0.02424	0.60132	0.291747	1.29E-10
0.10131	-0.08544	0.06505	0.05097	0.27166
0.08771	-0.06073	0.19018	0.047803	0.30261
8.46E-13	0.060813	0.18956	0.276762	1.17E-09
0.09531	-0.21127	4.11E-06	0.082121	0.07625
1.07E-13	0.077074	0.09619	0.519775	1.12E-33
0.11133	-0.11038	0.01702	0.254248	2.53E-08
1.99E-07	-0.05658	0.22233	0.266238	5.10E-09
1.92E-05	0.066549	0.15104	0.156468	0.00069
3.74E-09	0.102544	0.0267	0.284864	3.61E-10
1.59E-05	-0.04148	0.37114	0.178885	0.0001
0.02739	-0.08708	0.06005	0.057348	0.21609
7.77E-09	-0.04648	0.31623	0.106746	0.02104
0.03182	0.058494	0.20703	-0.02124	0.64711
0.02552	0.038918	0.40142	-0.05277	0.25509
7.77E-09	0.028412	0.54023	0.554417	5.46E-39
0.00065	-0.06153	0.18441	-0.0177	0.70276
3.36E-06	-0.1374	0.00293	0.53356	1.02E-35
4.98E-07	-0.12945	0.00508	0.058932	0.20365
0.00416	-0.12313	0.00772	0.015239	0.74257
0.00012	-0.13371	0.00379	0.073245	0.11394
0.82928	-0.0473	0.30776	-0.01368	0.7681
0.25583	0.055503	0.23125	0.031753	0.49365
7.26E-07	0.026547	0.56715	-0.15064	0.00109
5.07E-05	-0.04704	0.31037	0.14436	0.00176
0.12646	-0.17965	9.47E-05	0.324735	6.26E-13
0.35961	-0.05102	0.27118	0.285731	3.18E-10
0.00376	-0.00652	0.88816	0.011334	0.80701
5.13E-05	-0.07821	0.09139	0.352774	3.93E-15
7.06E-06	-0.05116	0.26984	0.104418	0.02403
0.0229	-0.14905	0.00124	0.001427	0.97546



0.00015	-0.03847	0.40689	0.208158	5.73E-06
1.70E-11	0.15683	0.00067	0.121018	0.00885
0.36091	0.114389	0.01338	0.089493	0.05328
1.77E-07	0.130902	0.0046	-0.43341	8.28E-23
2.64E-07	-0.02698	0.56088	0.339121	4.95E-14
0.68666	-0.19196	2.97E-05	0.06407	0.16689
0.16547	-0.03216	0.48812	-0.17514	0.00014
3.55E-15	-0.09291	0.04478	0.272149	2.25E-09
0.82215	0.01008	0.82802	0.31284	4.62E-12
0.00012	-0.13374	0.00379	0.100913	0.02922
1.55E-08	-0.1304	0.00476	0.133215	0.00393
4.45E-06	-0.16123	0.00047	0.181931	7.68E-05
1.11E-12	-0.05612	0.22614	0.180894	8.45E-05
5.51E-05	-0.04946	0.28615	0.253602	2.75E-08
2.89E-10	0.039881	0.38986	0.490378	1.26E-29
1.71E-06	-0.02606	0.57425	0.143886	0.00183
5.40E-06	-0.17489	0.00015	0.089946	0.05208
0.00476	-0.01321	0.77593	0.276466	1.22E-09
1.40E-07	-0.09215	0.04656	0.204783	8.16E-06
1.15E-08	-0.01221	0.79243	0.274444	1.63E-09
1.97E-07	-0.07736	0.09497	0.16801	0.00027
0.4935	-0.12246	0.00807	0.042363	0.36102
4.17E-06	0.008697	0.85132	0.250492	4.10E-08
1.63E-08	0.053793	0.24596	0.394805	7.19E-19
4.47E-05	-0.10623	0.02167	0.261211	1.01E-08
6.96E-07	-0.0674	0.14589	0.452831	5.46E-25
0.00043	-0.12517	0.00676	0.195129	2.17E-05
0.00011	-0.10719	0.02051	0.133913	0.00374
2.80E-06	-0.11365	0.014	0.200495	1.27E-05
3.47E-10	0.028517	0.53873	0.067415	0.14578
0.00227	-0.03139	0.49864	0.391004	1.65E-18
0.65977	-0.03994	0.38918	-0.01947	0.67476
0.00164	-0.22403	1.01E-06	0.105347	0.0228
6.72E-05	0.101222	0.02873	0.034329	0.45925
0.00454	0.072536	0.11749	-0.29193	1.26E-10
1.46E-08	0.05491	0.23628	0.467081	1.11E-26
0.72808	-0.05062	0.275	0.013483	0.77136
0.09398	-0.03742	0.41981	0.162581	0.00042
1.56E-05	0.115106	0.01281	0.24594	7.31E-08
0.1322	-0.10524	0.02293	0.097326	0.0355
9.84E-06	-0.04791	0.30151	0.052387	0.25855
0.97531	-0.09912	0.03224	0.048385	0.29676
1.14E-06	0.089848	0.05234	0.170675	0.00021
7.86E-18	0.116659	0.01164	0.297524	5.33E-11
1.42E-07	-0.03569	0.44158	0.086967	0.06039

5.27E-05	-0.01229	0.79107	0.044686	0.33527
4.40E-05	-0.04257	0.35867	0.420591	1.92E-21
0.00167	-0.17659	0.00013	-0.06482	0.16196
0.00078	0.150995	0.00106	-0.06459	0.16343
3.88E-17	0.062286	0.17905	0.223503	1.07E-06
2.70E-10	-0.08895	0.05475	0.423472	9.58E-22
0.19311	0.025616	0.58084	0.101786	0.02785
0.19452	-0.01922	0.67875	0.112947	0.0146
1.09E-05	0.033294	0.4729	0.141027	0.00225
0.62024	-0.08989	0.05223	0.079194	0.08736
0.24563	0.181502	7.99E-05	0.169207	0.00024
0.0159	0.021381	0.64489	-0.00323	0.94453
1.35E-06	-0.10031	0.0302	0.092079	0.04673
0.95783	0.035129	0.44884	0.171142	0.0002
0.00022	-0.08243	0.07514	0.460715	6.46E-26
6.87E-07	0.033658	0.46807	0.247464	6.03E-08
0.28401	-0.09179	0.04742	0.211986	3.81E-06
0.04392	-0.07785	0.0929	0.373403	6.73E-17
0.00037	-0.11445	0.01333	0.378162	2.52E-17
6.28E-08	0.057657	0.21362	0.098354	0.0336
0.00194	-0.0902	0.05142	0.574899	1.96E-42
6.49E-13	-0.09516	0.03983	0.169621	0.00023
2.11E-07	-0.13052	0.00473	0.220424	1.51E-06
2.50E-07	-0.0023	0.96048	0.300479	3.36E-11
7.04E-08	-0.00864	0.8523	0.321636	1.06E-12
1.52E-05	-0.08621	0.06268	0.157453	0.00064
0.08351	0.081777	0.07749	0.114447	0.01333
1.40E-07	-0.07679	0.09743	0.187378	4.61E-05
0.18842	-0.04134	0.37272	0.225497	8.50E-07
3.04E-12	-0.15625	0.0007	0.381998	1.13E-17
3.83E-12	-0.10896	0.0185	0.359654	1.05E-15
1.51E-05	-0.10243	0.02687	0.252591	3.13E-08
1.57E-07	-0.00718	0.87706	0.342474	2.69E-14
3.17E-13	0.193348	2.59E-05	0.170641	0.00021
2.69E-10	-0.018	0.69805	0.084791	0.06714
0.00079	-0.06573	0.15614	0.24882	5.08E-08
0.02476	-0.01892	0.68349	0.289854	1.72E-10
0.0263	-0.20123	1.18E-05	-0.08146	0.07864
0.31864	-0.1912	3.19E-05	0.211573	3.98E-06
0.01943	-0.16478	0.00035	-0.21819	1.94E-06
0.217	0.113046	0.01452	-0.20039	1.28E-05
2.47E-08	-0.10331	0.02558	0.396932	4.50E-19
1.69E-14	0.309185	8.39E-12	-0.03873	0.40368
6.33E-07	-0.12677	0.00608	0.259673	1.24E-08
0.00136	-0.07987	0.08469	0.070981	0.12559

0.01116	-0.08173	0.07767	0.133921	0.00374
3.37E-05	-0.20658	6.76E-06	0.18457	6.01E-05
0.02468	-0.09644	0.03722	-6.99E-05	0.9988
0.00045	-0.10546	0.02265	0.292305	1.19E-10
1.11E-07	-0.00304	0.94784	0.529187	4.64E-35
0.002	0.026519	0.56756	0.309516	7.95E-12
2.74E-07	-0.01512	0.74444	0.205817	7.33E-06
1.94E-11	-0.09981	0.03104	0.219848	1.61E-06
0.0086	0.011924	0.79717	0.037583	0.41777
3.37E-08	0.016467	0.72265	0.259331	1.29E-08
0.23696	-0.0195	0.67419	0.003781	0.93506
0.13811	-0.10383	0.02485	0.109408	0.01803
0.00626	0.044588	0.33632	0.111416	0.01601
0.80629	-0.03787	0.4142	0.064366	0.16494
9.53E-09	-0.18311	6.89E-05	0.250586	4.05E-08
0.93489	-0.14741	0.0014	0.230482	4.77E-07
0.12537	0.007857	0.86554	-0.12589	0.00645
4.05E-10	-0.20129	1.17E-05	0.418997	2.81E-21
0.05285	-0.04931	0.28765	-0.18331	6.76E-05
1.70E-12	0.018571	0.68895	0.216223	2.41E-06
0.00056	-0.02448	0.5977	-0.01671	0.71865
5.04E-09	0.035794	0.4403	0.235351	2.68E-07
5.10E-09	-0.01314	0.77708	0.110516	0.01688
8.49E-09	-0.05666	0.22166	0.161131	0.00047
0.0002	-0.16141	0.00046	0.220598	1.48E-06
2.70E-05	0.033952	0.46419	0.155029	0.00078
9.43E-09	0.024417	0.59867	0.453593	4.45E-25
0.26591	-0.06939	0.13433	0.017665	0.70338
0.0023	0.02414	0.60282	0.295811	6.94E-11
0.00019	-0.03117	0.50165	0.137449	0.00292
0.00035	-0.16164	0.00045	0.033465	0.47064
0.41433	-0.03771	0.41614	-0.03036	0.51287
2.25E-05	-0.05081	0.27313	0.261684	9.46E-09
0.00113	-0.05159	0.26589	0.153597	0.00087
6.42E-08	-0.08491	0.06676	0.275422	1.42E-09
0.03258	-0.16229	0.00043	0.01776	0.70187
3.57E-06	-0.09344	0.04357	0.103233	0.02569
3.58E-06	-0.15725	0.00065	0.128185	0.00553
1.46E-09	-0.02883	0.53425	0.185629	5.44E-05
4.47E-12	-0.05475	0.23769	0.371357	1.02E-16
2.33E-08	-0.1545	0.00081	0.183305	6.76E-05
1.79E-14	-0.01337	0.77325	0.323542	7.68E-13
0.07664	0.081467	0.07863	0.131101	0.00454
0.01079	0.010066	0.82824	-0.116	0.01212
0.08932	-0.14778	0.00136	0.23164	4.16E-07

1.42E-09	-0.00727	0.87549	0.196692	1.86E-05
1.14E-06	-0.14026	0.00238	0.201706	1.12E-05
9.72E-06	-0.05653	0.22272	0.020599	0.65705
0.00019	-0.03941	0.39553	0.316932	2.35E-12
0.12155	-0.13238	0.00416	0.114575	0.01323
4.20E-08	0.007528	0.87112	-0.43734	3.07E-23
0.19058	-0.07123	0.12429	-0.12178	0.00843
2.03E-14	-0.05032	0.27788	0.342254	2.80E-14
0.01945	-0.05915	0.20195	0.178505	0.00011
0.2207	-0.0374	0.42001	-0.02483	0.59253
0.00269	-0.08991	0.05216	0.365309	3.44E-16
0.00024	0.046526	0.31572	0.190216	3.51E-05
0.00148	0.013052	0.77846	0.160978	0.00048
2.81E-06	-0.03983	0.39046	0.354987	2.58E-15
7.77E-16	0.018255	0.69398	-0.39238	1.22E-18
6.45E-07	0.077721	0.09343	0.311232	6.01E-12
0.0006	0.07252	0.11758	-0.10415	0.0244
0.99066	-0.0427	0.3572	0.103799	0.02489
0.00036	-0.08155	0.07833	0.448409	1.76E-24
1.23E-11	-0.03041	0.51209	0.123915	0.00734
2.16E-06	-0.16302	0.0004	0.254966	2.30E-08
4.82E-08	0.043917	0.34365	0.088767	0.05525
0.00126	-0.23556	2.61E-07	0.348092	9.50E-15
0.00055	-0.07371	0.11165	0.047515	0.30554
4.98E-05	-0.03607	0.43681	0.113152	0.01442
0.00011	-0.07313	0.1145	0.247724	5.84E-08
0.00083	0.017545	0.70531	-0.03079	0.50691
9.46E-08	-0.10005	0.03064	0.237857	1.98E-07
6.86E-12	-0.08895	0.05474	0.279335	8.10E-10
1.18E-06	-0.20109	1.19E-05	0.29627	6.47E-11
0.01538	0.040088	0.38741	0.061907	0.18171
0.18571	-0.23717	2.15E-07	0.07819	0.09146
0.00031	0.059296	0.20086	0.12613	0.00635
1.27E-05	-0.02223	0.63184	0.294356	8.68E-11
0.21386	-0.06664	0.15049	-0.0382	0.41015
0.09319	-0.02948	0.52515	-0.02505	0.5892
0.00061	-0.1065	0.02134	0.053584	0.24781
0.00356	-0.07097	0.12565	0.432324	1.09E-22
0.02925	0.041796	0.36749	0.309699	7.72E-12
0.00049	-0.14886	0.00125	0.318617	1.77E-12
0.0003	-0.08683	0.06079	0.062773	0.17566
1.51E-05	-0.0418	0.36749	0.126306	0.00627
0.0054	-0.11277	0.01476	0.084912	0.06675
0.17945	-0.09447	0.04128	0.095291	0.03955
3.53E-08	0.027406	0.55468	0.258815	1.39E-08

0.05528	-0.02563	0.58059	0.176157	0.00013
0.96915	-0.23409	3.11E-07	-0.09673	0.03665
4.12E-07	0.019574	0.67309	0.450513	1.01E-24
0.00074	-0.12612	0.00635	0.233663	3.28E-07
8.02E-08	-0.13688	0.00304	0.134855	0.0035
0.21331	-0.08971	0.0527	0.10114	0.02886
0.00499	-0.10722	0.02047	-0.05862	0.20602
0.34887	0.027473	0.55371	0.118724	0.01023
0.0003	0.090311	0.05113	-0.03284	0.47899
0.01527	0.10177	0.02787	-0.02542	0.58369
0.00021	-0.02882	0.5344	0.048315	0.29745
5.40E-07	-0.06889	0.13712	0.305528	1.51E-11
0.00526	0.035655	0.44208	0.258805	1.39E-08
0.00451	-0.03601	0.4375	0.217509	2.09E-06
9.89E-06	-0.02344	0.61336	0.362424	6.08E-16
0.00876	-0.14765	0.00138	0.047436	0.30634
4.28E-06	0.086289	0.06243	0.219045	1.76E-06
0.65355	-0.13333	0.0039	-0.15921	0.00055
0.78514	0.195511	2.09E-05	0.068463	0.1396
0.00077	-0.00668	0.88555	0.391072	1.63E-18
0.00021	-0.13483	0.00351	0.095067	0.04002
0.17153	-0.04327	0.35086	-0.046	0.32124
0.28266	-0.0294	0.5263	-0.06626	0.1528
0.02771	-0.09062	0.05032	0.243102	1.04E-07
0.00026	0.016331	0.72484	0.248788	5.10E-08
0.00019	-0.17212	0.00019	0.315881	2.80E-12
0.0454	0.027987	0.54631	0.085713	0.06421
0.00839	0.002772	0.95237	-0.05132	0.26836
0.91836	0.04197	0.3655	-0.19736	1.74E-05
0.00773	-0.03812	0.41119	0.083445	0.07161
0.02287	-0.08722	0.05966	0.329427	2.78E-13
1.54E-05	0.042464	0.35987	0.138514	0.0027
0.00013	-0.07922	0.08724	-0.02899	0.53196
0.06954	0.021019	0.6505	-0.18014	9.06E-05
1.67E-06	-0.02632	0.57042	-0.02291	0.62143
0.00522	0.027933	0.54708	0.094123	0.04204
0.00022	-0.18631	5.10E-05	0.114458	0.01332
0.00016	0.070161	0.13003	0.061741	0.18288
0.05153	0.058072	0.21034	0.251479	3.61E-08
3.66E-06	-0.09704	0.03605	-0.00942	0.83911
0.51121	-0.14434	0.00176	0.151168	0.00105
0.00474	-0.16603	0.00031	0.129952	0.00491
1.31E-11	-0.08858	0.05576	0.279391	8.03E-10
0.00409	-0.22036	1.52E-06	0.233546	3.32E-07
0.51142	-0.16895	0.00024	0.244304	8.97E-08

7.22E-05	-0.12155	0.00856	0.135039	0.00346
1.16E-08	0.118326	0.01049	0.35754	1.58E-15
0.62462	0.014051	0.76201	-0.08285	0.07367
0.00012	0.14434	0.00176	0.068991	0.13657
0.00419	0.026145	0.57304	0.084793	0.06713
0.04812	0.077215	0.09558	0.046944	0.31139
0.00084	-0.1187	0.01025	0.11137	0.01605
0.22367	-0.026	0.57521	-0.07736	0.09498
0.00168	0.122017	0.0083	0.072128	0.11958
7.59E-06	0.119301	0.00987	0.147219	0.00142
6.79E-07	-0.08886	0.05499	0.138415	0.00272
2.73E-16	-0.0554	0.23215	0.355316	2.42E-15
0.17999	-0.07107	0.12512	-0.07573	0.10213
0.00063	-0.10167	0.02802	0.136585	0.0031
2.03E-05	-0.1012	0.02876	0.198633	1.53E-05
0.00134	0.020179	0.66359	0.289046	1.94E-10
0.00054	-0.08042	0.08256	0.284193	3.99E-10
3.15E-15	0.293825	9.41E-11	-0.1044	0.02406
7.60E-05	0.090371	0.05097	0.146409	0.00151
5.61E-11	0.226927	7.21E-07	0.077845	0.0929
3.53E-11	0.067615	0.14458	-0.00742	0.87297
0.17831	-0.15639	0.0007	0.09301	0.04455
8.83E-12	0.010995	0.81267	0.071371	0.12352
7.38E-08	-0.04499	0.33197	0.030801	0.50669
7.92E-07	0.037793	0.41518	0.268357	3.81E-09
0.0003	-0.08095	0.08055	0.272833	2.04E-09
0.6429	-0.05576	0.22907	-0.09874	0.03289
0.58554	-0.15581	0.00073	0.071186	0.1245
0.38623	-0.04663	0.3146	-0.01571	0.73494
0.00092	0.012284	0.7912	0.145094	0.00167
0.00982	-0.20964	4.90E-06	0.031961	0.49082
0.71435	-0.06106	0.18776	-0.14568	0.0016
0.17115	-0.10553	0.02256	-0.02587	0.57714
0.79402	-0.12652	0.00619	0.0498	0.28283
0.00172	-0.13745	0.00292	0.043088	0.35285
0.07017	-0.04654	0.31559	0.079652	0.08554
5.60E-15	0.134029	0.00371	0.134762	0.00353
0.24653	-0.10046	0.02996	0.268694	3.64E-09
2.32E-07	-0.09782	0.03457	0.175016	0.00014
2.47E-06	-0.20001	1.33E-05	0.242848	1.07E-07
7.29E-05	0.032248	0.48693	0.205621	7.48E-06
0.00542	-0.04238	0.36078	0.052762	0.25515
5.06E-13	-0.0994	0.03175	0.279389	8.04E-10
9.59E-07	-0.04754	0.30533	0.215004	2.75E-06
8.86E-09	-0.05133	0.26825	0.275708	1.36E-09

1.40E-10	-0.07241	0.11815	0.531684	1.96E-35
0.01932	-0.06846	0.1396	0.206233	7.02E-06
0.00936	0.120473	0.00916	-0.20491	8.06E-06
0.00247	0.03133	0.49942	-0.27178	2.37E-09
8.23E-06	-0.13619	0.00319	0.150666	0.00109
1.69E-07	-0.073	0.11516	0.107175	0.02053
1.79E-05	-0.18351	6.63E-05	0.294005	9.16E-11
0.12821	0.135658	0.00331	-0.19321	2.63E-05
0.00143	0.029323	0.52731	-0.01237	0.78985
2.81E-06	0.036217	0.43491	-0.00364	0.93755
0.10877	-0.07043	0.12857	0.020346	0.66099
0.00012	0.066227	0.15303	0.248943	5.00E-08
0.38747	-0.20482	8.13E-06	0.310351	6.94E-12
9.11E-05	-0.00379	0.93482	0.325798	5.21E-13
0.716	-0.05364	0.24735	0.207735	5.99E-06
0.21877	0.058745	0.20509	0.025551	0.58178
4.19E-07	0.116225	0.01196	0.155661	0.00074
0.16602	-0.06484	0.16185	0.090775	0.04994
3.65E-05	-0.17027	0.00022	0.061504	0.18457
2.51E-10	-0.06146	0.18492	0.433958	7.22E-23
0.00011	-0.16279	0.00041	0.220513	1.49E-06
0.00404	-0.02397	0.60535	0.267663	4.20E-09
0.00531	-0.099	0.03243	-0.09841	0.03349
8.35E-05	-0.06155	0.18426	0.127409	0.00583
1.90E-10	0.053769	0.24618	0.345248	1.61E-14
6.51E-13	0.011723	0.80052	0.244199	9.08E-08
0.10914	-0.01652	0.72184	0.246244	7.03E-08
0.05997	-0.03332	0.47255	-0.03899	0.4006
0.0003	-0.04954	0.2854	0.032658	0.4814
0.79074	-0.07606	0.10068	0.190056	3.57E-05
0.57016	-0.0896	0.05298	0.238692	1.79E-07
0.00083	0.021899	0.6369	0.109957	0.01745
0.00271	-0.00333	0.94274	0.074414	0.10827
0.08734	-0.17368	0.00016	0.027015	0.56034
0.23659	-0.089	0.0546	0.007463	0.87222
0.00013	0.005232	0.91022	0.327511	3.88E-13
0.0009	0.06026	0.19363	0.020009	0.66626
4.34E-06	-0.06819	0.14118	0.273503	1.86E-09
0.0302	-0.16098	0.00048	-0.04048	0.38279
0.01036	-0.12506	0.00681	-0.10624	0.02166
0.00097	-0.04529	0.32878	-0.04747	0.30604
5.29E-09	0.057016	0.21876	0.134481	0.0036
0.00382	-0.04852	0.29536	0.211927	3.84E-06
0.0003	-0.19926	1.44E-05	0.147741	0.00137
7.88E-05	0.039694	0.39209	0.238693	1.79E-07

0.21711	-0.10896	0.01851	-0.14512	0.00166
4.71E-12	-0.13497	0.00347	0.177382	0.00012
0.51918	-0.06197	0.18126	-0.32677	4.41E-13
0.24816	-0.04155	0.37035	-0.03508	0.44949
0.00052	-0.20818	5.72E-06	0.37073	1.16E-16
5.22E-05	0.143907	0.00182	0.141595	0.00216
2.52E-10	-0.14244	0.00203	0.240066	1.51E-07
0.39545	-0.1777	0.00011	0.121067	0.00882
0.00411	-0.0793	0.08694	0.331496	1.93E-13
0.19945	0.232737	3.66E-07	-0.01662	0.72018
0.27414	-0.16289	0.00041	0.018674	0.68732
2.23E-12	-0.00094	0.9838	0.372307	8.42E-17
0.04699	-0.11722	0.01124	-0.0005	0.99148
0.19188	0.13361	0.00382	-0.10091	0.02922
3.28E-08	0.145411	0.00163	0.35795	1.46E-15
1.88E-08	-0.09697	0.03618	0.204038	8.82E-06
3.60E-08	-0.18599	5.26E-05	0.160649	0.00049
0.00027	-0.02111	0.64913	-0.05323	0.25094
0.08291	-0.02738	0.55502	0.102753	0.02639
0.88406	-0.01074	0.81689	-0.01587	0.73226
0.00145	-0.09182	0.04736	0.116317	0.01189
0.00168	-0.09392	0.04249	0.070442	0.12849
0.00247	-0.25424	2.53E-08	0.136937	0.00302
0.03331	-0.16828	0.00026	0.057795	0.21252
3.24E-07	-0.07716	0.09581	0.344033	2.02E-14
0.89875	0.021423	0.64424	0.295282	7.53E-11
0.30867	-0.19203	2.95E-05	-0.11424	0.0135
7.45E-14	0.117271	0.01121	0.271345	2.52E-09
0.39715	-0.13959	0.0025	-0.1274	0.00583
0.00029	-0.00691	0.88155	0.063382	0.1715
0.01117	-0.01796	0.69869	0.243403	1.00E-07
3.18E-08	0.100301	0.03022	0.118453	0.01041
2.70E-05	-0.02197	0.63589	0.441333	1.11E-23
0.26573	-0.0689	0.13711	0.173999	0.00016
0.00345	-0.1718	0.00019	0.576331	1.10E-42
0.57217	-0.03396	0.46408	-0.10094	0.02917
0.00012	-0.09927	0.03196	0.252565	3.14E-08
4.56E-05	-0.01485	0.749	0.355574	2.30E-15
0.10055	-0.21399	3.07E-06	-0.05587	0.22818
1.51E-11	-0.12942	0.00509	0.184726	5.92E-05
5.42E-09	0.078099	0.09184	0.361467	7.34E-16
5.38E-05	-0.1134	0.01421	0.34517	1.64E-14
0.00153	0.006126	0.89496	-0.0512	0.26949
0.04655	0.05238	0.25861	0.167615	0.00027
0.00013	0.064939	0.1612	0.267978	4.02E-09



0.00698	-0.06106	0.18779	0.113721	0.01394
0.35596	-0.00136	0.97658	0.040154	0.38663
0.03124	0.013823	0.76576	-0.0398	0.39082
0.01383	-0.06019	0.19413	0.482164	1.46E-28
3.89E-08	-0.02913	0.52997	0.185216	5.66E-05
0.11505	-0.06471	0.16268	0.249587	4.61E-08
7.56E-07	-0.08259	0.07459	0.242691	1.10E-07
9.34E-09	-0.13541	0.00337	0.289707	1.76E-10
0.01182	0.102853	0.02624	-0.25262	3.12E-08
2.59E-06	-0.0959	0.0383	0.30898	8.67E-12
0.23987	-0.01423	0.75907	0.215908	2.49E-06
1.10E-12	-0.01752	0.7057	0.080567	0.082
0.00056	-0.02078	0.65429	0.060639	0.19084
0.00512	-0.17912	9.94E-05	0.187564	4.53E-05
1.73E-13	0.080554	0.08204	0.375938	4.00E-17
4.27E-06	0.086647	0.06135	0.277775	1.01E-09
7.37E-08	-0.16591	0.00032	0.170039	0.00022
0.325	-0.117	0.0114	0.353916	3.16E-15
5.38E-07	0.181833	7.75E-05	0.339505	4.62E-14
1.30E-10	-0.00326	0.94392	0.573495	3.44E-42
0.0001	0.030725	0.50775	0.195715	2.05E-05
0.00011	-0.18011	9.08E-05	0.314582	3.47E-12
0.0083	-0.23361	3.30E-07	0.207038	6.45E-06
6.58E-10	-0.05646	0.22329	0.091411	0.04835
0.73256	-0.04363	0.34678	0.131047	0.00456
4.57E-07	-0.15629	0.0007	0.298556	4.54E-11
4.23E-07	0.037024	0.42474	0.13273	0.00406
0.01139	-0.14305	0.00194	-0.08824	0.05671
0.00573	-0.02142	0.64422	0.227086	7.08E-07
0.00563	-0.13948	0.00252	-0.01834	0.69262
5.10E-09	-0.01724	0.71021	0.330086	2.47E-13
0.0007	-0.03723	0.42211	0.227452	6.79E-07
2.34E-06	0.216164	2.42E-06	0.260957	1.04E-08
0.02741	-0.15629	0.0007	0.101466	0.02835
0.00684	-0.04634	0.31768	0.38588	4.97E-18
1.30E-11	0.020988	0.65099	0.221527	1.33E-06
0.0003	-0.06893	0.13694	-0.08813	0.05702
8.22E-05	-0.02346	0.61312	0.206884	6.55E-06
0.7464	-0.11392	0.01377	0.238775	1.77E-07
0.00032	-0.12847	0.00543	0.225309	8.68E-07
0.1759	0.018802	0.68528	0.098411	0.03349
3.23E-07	-0.09289	0.04482	0.207286	6.28E-06
0.1698	0.023558	0.6116	-0.13902	0.0026
1.62E-07	-0.08969	0.05275	0.281979	5.52E-10
0.52163	-0.094	0.04231	-0.10314	0.02583

0.0004	0.122424	0.00809	0.109632	0.01779
0.01168	0.040532	0.38216	0.13564	0.00331
0.1348	-0.02809	0.54486	-0.01682	0.71701
8.39E-07	0.37675	3.38E-17	0.056873	0.21992
0.63589	0.047065	0.31015	-0.01185	0.79849
0.31569	-0.05575	0.22914	0.162133	0.00044
1.36E-06	-0.22839	6.09E-07	0.313558	4.11E-12
0.59942	-0.05514	0.23435	0.194202	2.38E-05
0.01733	-0.10148	0.02833	0.076814	0.09732
2.78E-05	-0.0583	0.20855	0.46806	8.42E-27
4.90E-12	0.028819	0.53444	0.49918	8.49E-31
0.35046	-0.16315	0.0004	0.049802	0.28282
1.09E-05	-0.16017	0.00051	0.123064	0.00776
0.37099	-0.25554	2.14E-08	0.413287	1.08E-20
0.00147	0.185328	5.60E-05	-0.23738	2.10E-07
0.16588	-0.21527	2.67E-06	0.230399	4.82E-07
7.23E-06	-0.07109	0.12502	-0.02074	0.65479
0.00013	0.025634	0.58056	0.200448	1.27E-05
0.76674	0.000205	0.99648	0.18307	6.91E-05
3.53E-07	-0.01737	0.70805	0.160035	0.00052
0.04584	-0.07527	0.10425	0.273166	1.95E-09
3.34E-06	-0.09852	0.03329	0.122155	0.00823
0.28495	-0.15391	0.00085	-0.1155	0.0125
7.69E-16	-0.12532	0.0067	0.376706	3.41E-17
0.60103	0.031447	0.49782	0.184317	6.15E-05
0.04992	-0.05667	0.22157	-0.0325	0.48359
8.62E-07	-0.00926	0.84184	-0.02342	0.6137
0.0089	-0.02468	0.59472	-0.17109	0.0002
1.06E-09	-0.03183	0.49265	0.2838	4.23E-10
5.28E-08	-0.18228	7.44E-05	0.257621	1.62E-08
0.00108	-0.0359	0.43894	0.385122	5.84E-18
0.00059	-0.05845	0.20734	0.083379	0.07184
7.11E-08	-0.07259	0.11723	0.276376	1.24E-09
0.00015	-0.03455	0.45631	0.258499	1.45E-08
0.00112	0.06045	0.19222	0.161621	0.00045
0.00624	-0.05864	0.2059	0.226974	7.17E-07
1.24E-06	-0.11742	0.0111	0.075964	0.1011
1.53E-09	-0.10227	0.02711	0.467381	1.02E-26
3.80E-14	-0.08834	0.05644	0.339142	4.93E-14
0.21912	-0.22344	1.07E-06	0.225262	8.73E-07
6.96E-07	-0.03678	0.42777	0.163378	0.00039
0.0489	-0.00078	0.9865	0.061008	0.18814
2.40E-07	0.040192	0.38617	0.036127	0.43605
0.00057	-0.02251	0.6275	0.287373	2.49E-10
0.00873	-0.00916	0.84343	0.144931	0.00169

1.60E-05	-0.04825	0.29813	0.138048	0.00279
0.05204	-0.00911	0.84431	0.129674	0.00501
0.02194	0.048206	0.29855	0.087758	0.05809
1.42E-06	0.015538	0.73769	0.240493	1.44E-07
0.1676	-0.0663	0.1526	0.158245	0.0006
0.04126	-0.02934	0.52701	0.247569	5.95E-08
0.01333	-0.08153	0.07839	-0.00316	0.94565
0.05632	0.027975	0.54648	0.11505	0.01285
3.18E-15	0.022574	0.62655	0.622533	1.85E-51
0.79653	-0.08494	0.06664	0.039351	0.3962
0.82379	-0.0151	0.74481	-0.03803	0.41221
0.48322	-0.03258	0.4825	-0.14787	0.00135
0.01869	-0.08905	0.05447	0.093406	0.04364
1.33E-12	-0.05381	0.24578	0.34364	2.17E-14
0.00062	-0.03386	0.4654	0.300317	3.45E-11
2.08E-05	-0.13344	0.00387	0.292855	1.09E-10
0.00015	-0.1813	8.14E-05	0.27375	1.80E-09
0.08618	-0.0103	0.82431	-0.23508	2.77E-07
0.82559	-0.08408	0.06947	-0.03549	0.4442
7.10E-09	-0.07748	0.09443	0.215749	2.53E-06
0.74099	0.014033	0.76231	0.168122	0.00026
0.00049	-0.02566	0.58021	-0.16795	0.00027
4.50E-06	-0.20979	4.82E-06	0.187593	4.52E-05
3.62E-14	-0.01305	0.77842	0.512832	1.10E-32
0.23893	-0.08906	0.05446	0.233449	3.36E-07
0.00019	-0.13603	0.00322	0.42252	1.21E-21
0.012	-0.09677	0.03657	-0.06653	0.15114
2.62E-08	-0.00829	0.85823	-0.23819	1.90E-07
0.04734	-0.15894	0.00057	0.071719	0.12169
0.82498	0.047431	0.30639	-0.08158	0.0782
5.30E-05	-0.02809	0.54486	0.238807	1.76E-07
1.17E-10	-0.08815	0.05696	0.387825	3.28E-18
1.40E-06	-0.14341	0.00189	0.140986	0.00226
0.37696	-0.08907	0.05442	0.261459	9.75E-09
2.85E-06	-0.09186	0.04725	0.403789	9.67E-20
0.83725	-0.17845	0.00011	-0.06747	0.14547
6.88E-05	0.019946	0.66724	-0.01321	0.77594
0.00669	-0.05626	0.22493	-0.09371	0.04297
1.78E-06	-0.00641	0.89011	0.177865	0.00011
7.68E-05	-0.06394	0.16774	0.556187	2.81E-39
0.00017	-0.02958	0.52376	0.204724	8.21E-06
0.00102	-0.11864	0.01028	0.124558	0.00704
3.14E-08	0.006069	0.89592	0.365084	3.60E-16
3.01E-11	-0.08709	0.06003	0.321955	1.01E-12
0.00013	0.142761	0.00198	-0.43375	7.60E-23

0.01725	-0.05483	0.23701	0.259586	1.25E-08
0.05309	-0.0043	0.92619	0.033587	0.46901
0.0221	0.089203	0.05406	-0.01492	0.74779
0.06499	-0.26062	1.09E-08	0.140138	0.0024
0.00049	-0.18419	6.23E-05	0.205446	7.62E-06
0.01547	-0.17704	0.00012	4.06E-05	0.9993
0.63646	-0.0651	0.16014	0.309409	8.09E-12
0.00041	-0.17614	0.00013	0.484585	7.15E-29
0.00017	-0.11114	0.01627	0.296942	5.83E-11
1.10E-05	-0.08474	0.06731	0.300275	3.47E-11
0.01003	-0.0238	0.60788	0.411892	1.50E-20
1.56E-07	-0.16673	0.0003	0.260529	1.10E-08
0.12377	-0.17376	0.00016	0.311919	5.37E-12
0.00019	-0.11037	0.01704	-0.00082	0.98596
3.86E-08	-0.03418	0.46122	0.226398	7.66E-07
0.00035	0.004794	0.91772	0.089659	0.05284
0.00984	-0.16132	0.00047	-0.01992	0.66772
0.00426	-0.06865	0.1385	0.015689	0.73525
0.00156	-0.12722	0.0059	0.307094	1.18E-11
0.01684	-0.0955	0.03912	0.466305	1.38E-26
0.30301	-0.10074	0.02951	0.118208	0.01057
0.00018	0.067712	0.14401	-0.26864	3.67E-09
0.60434	-0.1347	0.00354	0.071737	0.1216
0.06061	-0.03606	0.43686	0.039239	0.39755
0.81042	-0.12874	0.00533	0.203259	9.56E-06
0.29376	-0.05308	0.25225	0.029685	0.52223
0.89616	-0.18425	6.19E-05	-0.08813	0.05703
0.61644	-0.08047	0.08236	0.237461	2.08E-07
0.28444	-0.11627	0.01192	-0.15753	0.00063
0.67098	-0.03411	0.4621	0.138269	0.00275
0.10289	-0.21305	3.40E-06	-0.00019	0.99667
0.05466	-0.11883	0.01016	0.090805	0.04987
0.14082	-0.08351	0.07139	0.210862	4.30E-06
0.00663	0.165772	0.00032	0.088934	0.05479
0.01696	-0.172	0.00019	0.292572	1.14E-10
0.17594	0.100495	0.0299	0.010984	0.81287
0.71933	0.053608	0.2476	0.118037	0.01068
0.00357	0.122028	0.00829	-0.36123	7.69E-16
0.21388	-0.1888	4.02E-05	0.26187	9.22E-09
0.00022	-0.21234	3.67E-06	0.154024	0.00084
0.02878	-0.24828	5.44E-08	0.008817	0.84928
0.02183	-0.14184	0.00212	0.173785	0.00016
0.00024	-0.1632	0.0004	0.309957	7.40E-12
0.00036	-0.11842	0.01043	0.132859	0.00403
0.00012	-0.14362	0.00186	0.108709	0.01878

0.28196	-0.05025	0.27847	0.180372	8.87E-05
0.00405	-0.18336	6.73E-05	-0.07776	0.09325
0.60537	-0.24494	8.28E-08	0.054735	0.23778
0.0084	-0.1301	0.00486	0.449317	1.39E-24
0.03127	0.072612	0.11711	0.028276	0.54218
0.26772	-0.21161	3.97E-06	0.308234	9.78E-12
0.00606	-0.02518	0.58735	0.075381	0.10375
0.846	-0.01673	0.71838	0.146169	0.00154
0.0092	-0.06645	0.15163	0.224064	1.00E-06
0.00123	-0.15221	0.00097	-0.03385	0.46548
0.00732	-0.12992	0.00492	0.131988	0.00427
0.33568	-0.19767	1.69E-05	0.085198	0.06583
0.31241	-0.06342	0.17126	0.199979	1.34E-05
1.05E-07	-0.01619	0.72705	0.277343	1.08E-09
0.82342	-0.0388	0.40286	0.107274	0.02041
0.02699	-0.19107	3.23E-05	0.1384	0.00272
0.21582	-0.08207	0.07644	0.080182	0.08347
0.10066	-0.20925	5.11E-06	-0.03837	0.40812
0.37264	-0.07782	0.093	0.011631	0.80205
0.05732	-0.13579	0.00328	-0.04393	0.34347
0.13796	-0.17911	9.95E-05	0.041581	0.36996
4.85E-06	-0.16183	0.00045	0.120431	0.00919
0.01133	-0.15632	0.0007	0.270631	2.78E-09
0.79694	-0.11329	0.0143	-0.01122	0.80899
0.90034	-0.09664	0.03682	0.080746	0.08131
0.40136	-0.0755	0.10318	0.177501	0.00012
0.09011	0.019386	0.67606	0.183328	6.75E-05
0.69648	-0.17938	9.71E-05	-0.06724	0.14681
0.42411	0.191296	3.16E-05	-0.05919	0.20164
0.72521	-0.14542	0.00163	0.039999	0.38846
4.94E-08	-0.1572	0.00065	0.187817	4.42E-05
0.00028	-0.08847	0.05607	0.248665	5.18E-08
0.00226	-0.11242	0.01508	0.259149	1.33E-08
0.06029	-0.19299	2.68E-05	0.202985	9.83E-06
0.0173	-0.10434	0.02413	0.177465	0.00012
0.12351	-0.16268	0.00042	0.132386	0.00416
0.04249	-0.11652	0.01174	0.002255	0.96123
0.33645	-0.05639	0.22384	0.182149	7.53E-05
0.92267	-0.10912	0.01834	0.288984	1.96E-10
0.00301	0.264409	6.55E-09	0.054161	0.24274
0.46089	-0.04437	0.33866	-0.13191	0.0043
0.44572	-0.08816	0.05695	0.017544	0.70533
1.47E-07	-0.17424	0.00015	0.201962	1.09E-05
0.00932	0.12866	0.00536	-0.28075	6.59E-10
0.00904	-0.14924	0.00122	0.009547	0.83698

0.08791	-0.07898	0.08823	0.072782	0.11625
1.25E-06	0.120497	0.00915	-0.07972	0.08525
0.00032	-0.15732	0.00065	0.038761	0.40332
0.06293	-0.258	1.54E-08	0.027875	0.54792
0.00029	-0.16597	0.00032	0.097011	0.0361
0.51414	-0.20635	6.93E-06	0.044626	0.33591
0.00034	-0.14978	0.00117	0.172641	0.00018
1.27E-10	-0.06617	0.1534	0.27318	1.95E-09
0.30883	-0.11914	0.00997	-0.03962	0.39296
0.05413	-0.13561	0.00332	0.108432	0.01908
0.00152	-0.23315	3.48E-07	0.222244	1.23E-06
0.0968	-0.11004	0.01736	-0.02685	0.5627
0.00071	-0.20658	6.77E-06	0.167104	0.00029
0.25433	-0.12583	0.00647	0.01591	0.73167
0.35242	-0.1604	0.0005	0.027734	0.54994
0.82642	-0.10517	0.02303	0.159216	0.00055
0.6825	-0.02128	0.64652	0.143967	0.00181
0.03152	-0.22931	5.47E-07	0.159653	0.00053
0.04163	-0.12666	0.00613	0.23955	1.61E-07
0.0783	-0.17732	0.00012	0.091928	0.04709
0.00016	-0.22028	1.54E-06	0.188456	4.16E-05
0.64688	-0.12448	0.00707	0.308014	1.01E-11
0.0197	-0.15721	0.00065	0.146473	0.0015
3.05E-08	-0.0316	0.49573	0.446397	2.99E-24
0.04533	-0.13681	0.00305	0.181471	8.02E-05
4.75E-06	-0.09903	0.03239	0.107405	0.02026
0.51094	-0.1669	0.00029	-0.09622	0.03765
0.00012	-0.13597	0.00324	0.349947	6.71E-15
0.00268	-0.07886	0.08872	0.186085	5.21E-05
0.00059	-0.17063	0.00021	0.113041	0.01452
0.42077	-0.13841	0.00272	0.120802	0.00897
0.99917	-0.03226	0.48683	0.033583	0.46907
0.00041	-0.05045	0.27659	0.529717	3.87E-35
0.61486	-0.26783	4.10E-09	-0.07793	0.09253
8.57E-08	-0.01642	0.7234	0.240874	1.37E-07
0.00528	-0.08766	0.05836	0.300742	3.23E-11
0.07116	-0.15971	0.00053	0.213549	3.22E-06
0.17613	-0.25855	1.44E-08	0.212165	3.74E-06
0.08405	-0.1226	0.00799	0.20144	1.15E-05
0.01479	-0.17231	0.00018	0.150383	0.00112
0.88645	-0.28693	2.66E-10	0.08487	0.06689
2.08E-07	0.02239	0.62937	0.154179	0.00083
0.32602	-0.20418	8.69E-06	0.283751	4.26E-10
0.00406	-0.09157	0.04796	0.287673	2.38E-10
0.41567	-0.12493	0.00687	0.11659	0.01169

3.37E-05	-0.13337	0.00389	0.197163	1.77E-05
0.03856	-0.23174	4.11E-07	-0.04353	0.3479
4.77E-09	-0.16348	0.00039	0.299098	4.17E-11
0.6269	-0.06487	0.16161	-0.07168	0.12191
0.00321	-0.1599	0.00052	0.00165	0.97164
0.68775	-0.14836	0.0013	-0.00994	0.83037
0.87234	-0.24233	1.14E-07	0.036747	0.42821
0.01533	-0.13379	0.00377	0.319844	1.44E-12
0.51576	-0.15171	0.00101	0.255711	2.09E-08
6.36E-05	0.00205	0.96476	0.113415	0.0142
0.07045	-0.17954	9.57E-05	0.052035	0.26176
0.73096	-0.19592	2.01E-05	0.065636	0.15673
0.86341	-0.17854	0.0001	0.171518	0.0002
0.68708	-0.17891	0.0001	0.082152	0.07614
0.0177	-0.14209	0.00208	0.152619	0.00094
0.00097	-0.08248	0.07497	0.035841	0.4397
0.06083	-0.08778	0.05804	0.104807	0.02351
8.14E-06	-0.02865	0.53686	0.294792	8.12E-11
0.98926	0.231154	4.41E-07	-0.17179	0.00019
3.15E-12	-0.12443	0.0071	0.327644	3.79E-13
0.00149	-0.1168	0.01154	0.112094	0.01537
0.00024	-0.19286	2.72E-05	0.287744	2.36E-10
0.82425	-0.1792	9.87E-05	0.05312	0.25193
0.01433	-0.17273	0.00018	0.116312	0.01189
0.00483	-0.15862	0.00058	0.113345	0.01426
0.41639	-0.14771	0.00137	-0.01552	0.73806
0.00264	-0.17098	0.00021	0.352849	3.88E-15
0.01601	0.160129	0.00051	0.199211	1.44E-05
0.08389	-0.22968	5.24E-07	0.171417	0.0002
0.05071	-0.13228	0.00419	0.0125	0.78761
0.00256	-0.21725	2.15E-06	0.100404	0.03005
0.00645	-0.14431	0.00177	0.201396	1.16E-05
0.00024	0.01597	0.73069	0.063351	0.17171
2.10E-06	-0.04463	0.33592	0.288946	1.97E-10
0.00783	-0.22793	6.42E-07	-0.11119	0.01622
0.01989	-0.06824	0.14092	0.027728	0.55003
7.53E-05	-0.11931	0.00986	0.060483	0.19198
0.18691	-0.18584	5.33E-05	0.120497	0.00915
1.13E-05	-0.11878	0.0102	0.412112	1.43E-20
0.00017	-0.15466	0.0008	0.063921	0.16788
0.42673	-0.14095	0.00227	0.365057	3.62E-16
0.10284	-0.00754	0.87088	-0.20142	1.15E-05
1.89E-06	-0.10187	0.02772	0.194427	2.33E-05
4.46E-05	-0.19964	1.38E-05	0.165007	0.00034
0.01931	-0.16631	0.00031	0.018725	0.6865

3.46E-05	-0.15747	0.00064	0.314789	3.35E-12
0.00219	-0.13712	0.00298	-0.04648	0.31616
0.80243	-0.08115	0.07981	0.111097	0.01631
0.02561	0.040848	0.37846	0.113616	0.01402
1.46E-09	-0.06251	0.17746	0.343331	2.30E-14
0.05772	-0.11377	0.01389	0.282685	4.98E-10
0.00047	-0.19722	1.77E-05	0.093755	0.04286
0.18768	0.013581	0.76974	-0.0084	0.85635
1.26E-08	-0.07721	0.09559	0.055196	0.23385
0.00046	-0.21569	2.55E-06	0.155283	0.00076
0.14896	-0.17831	0.00011	0.095595	0.03892
0.3936	-0.05753	0.21463	-0.13751	0.0029
0.00198	-0.0612	0.18678	0.254625	2.41E-08
0.87086	-0.06562	0.15687	0.284726	3.69E-10
0.24437	-0.19495	2.21E-05	0.030797	0.50675
0.30011	-0.12373	0.00743	0.004637	0.92039
0.01455	-0.17258	0.00018	0.125471	0.00663
0.86331	-0.22862	5.93E-07	0.078303	0.09099
3.99E-06	-0.02236	0.62984	0.363452	4.97E-16
0.31156	-0.14836	0.0013	-0.06703	0.14811
0.29558	-0.11416	0.01357	0.139232	0.00257
0.00058	-0.18793	4.37E-05	0.010007	0.82923
0.00195	-0.17221	0.00018	0.157568	0.00063
0.06714	-0.02325	0.6162	0.166639	0.0003
0.00038	-0.09508	0.03998	0.298762	4.40E-11
0.00064	-0.01038	0.82305	0.355431	2.37E-15
0.16253	-0.10767	0.01995	-0.04739	0.30679
4.73E-09	0.007212	0.87647	0.384651	6.46E-18
0.00991	-0.01295	0.78018	0.04697	0.31112
0.0053	-0.16742	0.00028	0.218316	1.91E-06
0.01213	-0.03357	0.46929	0.059797	0.19708
0.0044	-0.1591	0.00056	0.116891	0.01147
0.02647	-0.18247	7.31E-05	0.33789	6.18E-14
0.0475	-0.22997	5.07E-07	0.067474	0.14542
0.0061	-0.1569	0.00067	0.235953	2.49E-07
0.00198	-0.21506	2.73E-06	-0.01518	0.74361
0.01711	-0.16939	0.00024	0.207675	6.03E-06
0.11897	-0.18942	3.79E-05	0.189825	3.65E-05
0.00359	-0.16951	0.00023	0.224317	9.73E-07
0.25771	-0.16608	0.00031	0.326668	4.49E-13
0.40465	-0.10602	0.02194	-0.11331	0.01429
0.45849	-0.11513	0.01279	-0.11799	0.01071
0.13541	-0.26047	1.11E-08	0.280584	6.76E-10
0.85541	-0.12183	0.0084	0.150532	0.0011
0.86044	-0.1208	0.00898	-0.00789	0.86502



0.00449	-0.16704	0.00029	0.110381	0.01702
0.4698	-0.17869	0.0001	0.235506	2.63E-07
2.04E-07	-0.04197	0.36551	0.355477	2.35E-15
0.19033	-0.00842	0.85596	0.142155	0.00207
0.2056	-0.19983	1.36E-05	0.04629	0.31818
0.73619	-0.00798	0.86351	-0.21803	1.97E-06
8.54E-06	-0.17807	0.00011	0.163868	0.00038
7.07E-09	-0.17549	0.00014	0.243052	1.05E-07
0.66832	-0.22411	9.96E-07	-0.05242	0.25828
0.47864	-0.19062	3.38E-05	0.16403	0.00037
0.00081	-0.17103	0.0002	0.098861	0.03269
0.32769	-0.20395	8.90E-06	-0.0139	0.76455
0.33003	-0.2134	3.27E-06	0.176772	0.00012
0.03476	0.136715	0.00307	-0.28348	4.43E-10
0.8987	-0.11066	0.01674	0.262009	9.05E-09
0.01276	-0.15245	0.00095	0.040979	0.37694
0.00599	-0.11659	0.01169	0.169703	0.00023
0.05214	-0.18933	3.83E-05	0.012221	0.79224
0.00025	-0.0789	0.08853	0.208993	5.25E-06
0.1375	-0.1376	0.00288	0.18713	4.72E-05
0.7976	-0.17686	0.00012	0.072215	0.11913
0.00016	-0.10159	0.02815	0.124566	0.00703
0.03607	-0.18522	5.66E-05	0.15934	0.00055
7.31E-07	-0.12933	0.00512	0.221414	1.35E-06
0.01208	-0.19326	2.61E-05	0.122314	0.00814
0.56985	-0.05805	0.2105	0.114523	0.01327
0.26195	-0.17399	0.00016	-0.03115	0.50183
0.06403	-0.19463	2.28E-05	0.151549	0.00102
0.04533	-0.24108	1.34E-07	0.066397	0.15198
0.0004	-0.18546	5.53E-05	0.173109	0.00017
0.0035	-0.17081	0.00021	0.037536	0.41836
0.15567	-0.18521	5.66E-05	-0.01831	0.69316
0.36025	-0.1931	2.65E-05	0.187263	4.66E-05
0.20746	-0.09573	0.03865	-0.11801	0.0107
0.0019	-0.12794	0.00563	0.094531	0.04116
0.11052	-0.16585	0.00032	0.217733	2.04E-06
0.93142	-0.06704	0.14805	-0.00557	0.90451
0.01577	-0.14519	0.00166	0.393015	1.06E-18
0.06678	-0.22963	5.27E-07	0.015131	0.74434
0.10252	-0.20249	1.03E-05	0.239801	1.56E-07
0.96137	-0.07696	0.09671	0.029862	0.51974
0.19667	-0.13864	0.00268	0.001581	0.97281
0.00054	-0.20132	1.17E-05	0.280145	7.20E-10
3.65E-07	-0.14026	0.00238	0.13224	0.0042
0.07004	-0.08768	0.05831	0.309408	8.09E-12

0.00122	-0.18837	4.19E-05	0.291628	1.31E-10
0.06436	-0.16565	0.00032	0.240519	1.43E-07
0.78089	-0.13198	0.00428	-0.05183	0.26362
0.00667	-0.13414	0.00368	0.216928	2.23E-06
3.95E-05	-0.16544	0.00033	0.15509	0.00077
0.07412	-0.2256	8.40E-07	0.185517	5.50E-05
0.00481	-0.20493	8.04E-06	-0.04195	0.36567
0.48532	-0.22107	1.40E-06	0.118667	0.01027
0.00033	-0.17213	0.00019	0.444098	5.43E-24
0.15746	-0.12362	0.00748	0.17584	0.00013
0.39585	-0.23997	1.53E-07	-0.02161	0.64142
0.38872	-0.21312	3.37E-06	0.065982	0.15456
0.57468	-0.21493	2.77E-06	0.1243	0.00716
0.9663	-0.21097	4.25E-06	0.319466	1.53E-12
0.00843	-0.25078	3.95E-08	0.172696	0.00018
0.95758	-0.1401	0.00241	0.028671	0.53654
0.11322	-0.06234	0.17867	0.059552	0.19892
0.3222	-0.21316	3.36E-06	0.18472	5.93E-05
2.65E-06	-0.19328	2.61E-05	0.222338	1.22E-06
0.04057	-0.16554	0.00033	0.160546	0.0005
2.28E-06	-0.19685	1.83E-05	0.167403	0.00028
6.39E-05	-0.17749	0.00012	0.047675	0.30391
0.05823	-0.22141	1.35E-06	0.096083	0.03793
0.11067	-0.14825	0.00131	0.166655	0.0003
2.13E-07	-0.09416	0.04197	0.395486	6.19E-19
0.02064	-0.16569	0.00032	0.138374	0.00273
0.2195	-0.23197	4.00E-07	0.089017	0.05456
0.45807	-0.20746	6.17E-06	0.289814	1.73E-10
0.08332	-0.20672	6.67E-06	0.023813	0.60774
3.09E-05	-0.18304	6.93E-05	0.369714	1.42E-16
0.00091	-0.14161	0.00216	0.29406	9.08E-11
0.00366	-0.09716	0.03582	0.259516	1.26E-08
0.436	-0.1178	0.01085	0.326819	4.37E-13
0.54714	-0.18246	7.31E-05	0.00576	0.90121
0.38773	-0.15244	0.00095	0.196283	1.94E-05
0.26389	-0.14245	0.00203	-0.10566	0.02239
0.02094	-0.16652	0.0003	0.170653	0.00021
0.02879	-0.15916	0.00056	0.073896	0.11075
0.32671	-0.30145	2.89E-11	0.089503	0.05325
0.001	-0.11118	0.01623	0.169539	0.00023
2.15E-05	-0.1924	2.84E-05	0.11725	0.01122
0.04599	-0.15235	0.00096	0.110618	0.01678
1.76E-05	-0.14051	0.00234	0.212989	3.42E-06
0.18296	-0.20416	8.71E-06	0.203964	8.88E-06
0.1974	-0.14099	0.00226	0.186358	5.08E-05

0.039	0.037896	0.41391	0.336658	7.72E-14
0.70488	0.274386	1.64E-09	-0.33665	7.72E-14
0.56768	-0.05918	0.20177	0.088037	0.05729
0.54912	-0.0638	0.16869	0.134263	0.00365
2.70E-06	-0.22294	1.14E-06	-0.31179	5.49E-12
5.17E-05	0.142064	0.00209	0.373372	6.77E-17
4.89E-10	-0.00528	0.90945	0.414553	8.05E-21
0.06919	0.007141	0.87769	0.217754	2.03E-06
0.00022	0.019795	0.66963	0.50896	3.85E-32
0.02008	-0.01339	0.7729	0.135222	0.00341
0.02264	-0.0082	0.85974	0.475792	9.34E-28
0.20111	-0.07387	0.11089	0.265568	5.59E-09
0.01237	-0.00621	0.89349	0.155583	0.00074
0.04447	0.007699	0.86821	0.216365	2.37E-06
0.54952	0.107042	0.02069	-0.04948	0.2859
0.97663	-0.00079	0.98646	0.050468	0.27642
0.64399	0.021975	0.63574	-0.01422	0.75929
0.53203	0.148016	0.00134	-0.23899	1.73E-07
0.26091	-0.04172	0.36838	0.137344	0.00294
0.29847	0.053791	0.24598	0.289815	1.73E-10
0.93546	0.139915	0.00244	-0.25162	3.55E-08
0.00235	-0.04792	0.30147	0.549283	3.66E-38
0.24662	-0.08939	0.05356	0.464893	2.04E-26
0.13197	-0.12436	0.00713	-0.12098	0.00887
0.52282	-0.07485	0.10623	0.193871	2.46E-05
0.01622	0.109905	0.01751	-0.10621	0.0217
0.16894	0.052318	0.25917	0.050245	0.27855
0.2591	0.031865	0.49213	0.369052	1.63E-16
0.18593	-0.1809	8.45E-05	0.056199	0.22544
0.58351	-0.00497	0.91467	0.298889	4.31E-11
6.07E-05	-0.00655	0.88781	-0.29427	8.80E-11
0.77831	-0.00864	0.85226	0.00347	0.94038
0.92776	-0.01981	0.66939	0.113384	0.01422
0.62039	-0.08508	0.06619	-0.00213	0.9634
0.58511	-0.17756	0.00011	0.220161	1.55E-06
0.29679	-0.18862	4.10E-05	0.128563	0.0054
0.08173	-0.03764	0.41708	0.227576	6.69E-07
0.78016	-0.12585	0.00646	0.126057	0.00638
0.05358	-0.04911	0.28961	0.29936	4.00E-11
0.32671	-0.03186	0.49216	0.086792	0.06092
0.1942	-0.01265	0.78517	0.13446	0.0036
0.07981	0.064783	0.16221	0.072671	0.11681
0.22251	-0.00976	0.83343	0.033631	0.46844
0.87039	-0.03366	0.46803	0.067632	0.14448
0.03897	0.061635	0.18364	0.160967	0.00048

0.51491	-0.08828	0.05659	-0.05598	0.22722
0.94116	-0.11285	0.01469	0.298585	4.52E-11
0.96066	-0.0692	0.1354	0.008673	0.85172
0.7364	-0.05616	0.22577	0.166151	0.00031
0.98659	-0.05304	0.25263	0.112318	0.01517
0.01023	0.038531	0.40612	0.143562	0.00187
0.82417	-0.00869	0.85135	0.055296	0.233
0.95558	-0.00387	0.93361	-0.03986	0.39006
0.59619	0.008592	0.85309	-0.05716	0.21756
0.16932	0.04443	0.33804	0.074054	0.10999
0.83244	0.032073	0.4893	0.084076	0.06949
0.15092	-0.01557	0.73723	0.116831	0.01152
0.25776	0.121405	0.00863	-0.04312	0.35246
0.49219	-0.05342	0.24928	0.121369	0.00865
0.67575	-0.02073	0.65501	0.067215	0.14698
0.67984	-0.0408	0.37903	0.071801	0.12127
0.86929	0.002537	0.9564	0.10456	0.02384
0.37828	-0.00739	0.8734	-0.00392	0.93275
0.39048	-0.09329	0.0439	0.1272	0.00591
0.06099	0.000333	0.99428	0.275177	1.47E-09
0.05718	0.041036	0.37627	-0.00508	0.91274
0.63312	-0.02843	0.53997	0.075043	0.10531
0.18234	-0.00032	0.99449	0.023433	0.61349
0.01355	-0.12998	0.0049	-0.01976	0.67015
0.42575	-0.02909	0.53054	0.076629	0.09814
0.71539	-0.02835	0.54118	-0.14437	0.00176
0.99993	-0.00703	0.87952	0.078101	0.09183
0.2684	-0.0577	0.2133	0.044653	0.33562
0.81596	-0.00707	0.87881	0.184588	6.00E-05
0.77951	-0.02869	0.53627	0.031842	0.49243
0.06552	0.097558	0.03506	0.018091	0.69659
0.03833	-0.06626	0.15282	-0.09034	0.05104
0.07019	0.000785	0.9865	-0.04194	0.36584
0.71802	-0.02473	0.59393	0.042029	0.36482
0.65545	-0.05142	0.26748	0.078856	0.08872
0.84998	-0.01245	0.7885	0.135788	0.00328
0.90309	-0.03182	0.49276	0.057297	0.2165
0.7271	0.032875	0.47849	-0.02564	0.58054
0.45627	-0.01905	0.68142	0.01981	0.66938
0.87309	0.026843	0.56284	-0.01654	0.72144
0.01732	0.056259	0.22495	0.054048	0.24373
0.71523	-0.06158	0.18402	0.023397	0.61403
0.73995	-0.09245	0.04584	0.165547	0.00033
0.00123	0.016438	0.72311	0.257979	1.55E-08
0.63625	-0.04504	0.33149	0.140565	0.00233

0.07376	-0.1475	0.00139	0.536842	3.23E-36
0.34015	-0.12693	0.00602	0.062874	0.17497
0.09103	-0.08589	0.06367	0.10818	0.01937
0.00049	0.231259	4.35E-07	-0.00538	0.90774
0.08822	0.054927	0.23613	0.011981	0.79623
0.0007	0.152996	0.00091	0.12896	0.00525
0.00073	0.205356	7.69E-06	0.226192	7.85E-07
0.45381	-0.04467	0.3354	0.116867	0.01149
0.42437	-0.04492	0.33278	0.019716	0.67086
0.07236	0.035257	0.44719	0.13073	0.00466
0.50708	0.131978	0.00428	-0.18293	7.00E-05
0.09862	-0.07375	0.11145	-0.02349	0.61257
0.00306	0.024482	0.5977	-0.03567	0.4419
0.05794	0.088345	0.05642	0.138934	0.00262
0.59627	0.135616	0.00332	-0.05237	0.25869
2.05E-12	0.352757	3.94E-15	-0.19966	1.38E-05
0.0824	0.092534	0.04565	0.328913	3.04E-13
0.00016	0.039043	0.39991	0.356752	1.84E-15
0.67152	-0.00938	0.83982	-0.05279	0.25486
0.0051	0.003692	0.93658	0.190121	3.54E-05
0.27794	0.011137	0.81031	-0.09605	0.038
0.00012	0.166202	0.00031	-0.1015	0.02829
0.05553	-0.00444	0.92369	-0.05616	0.22573
4.30E-07	-0.08726	0.05953	-0.39878	2.98E-19
0.46613	-0.02396	0.60556	-0.15615	0.00071
0.00098	0.009124	0.84411	0.05983	0.19684
0.00022	0.093668	0.04305	0.434308	6.61E-23
0.21773	0.037201	0.42253	0.209458	4.99E-06
0.09057	-0.04401	0.34265	0.320153	1.37E-12
5.33E-10	0.181779	7.79E-05	0.376659	3.45E-17
0.10807	0.044104	0.34161	-0.12167	0.00848
0.46371	-0.08512	0.06609	0.142481	0.00202
0.24034	0.057159	0.21761	0.123289	0.00765
0.00179	-0.10095	0.02917	0.153361	0.00088
0.00667	0.20456	8.35E-06	-0.05372	0.24659
0.0048	-0.08767	0.05833	-0.08912	0.0543
4.36E-07	0.019917	0.6677	0.400446	2.05E-19
0.96771	-0.07327	0.1138	0.2806	6.74E-10
0.21973	0.049461	0.28613	0.094931	0.0403
6.74E-08	-0.06206	0.18061	-0.26322	7.69E-09
0.06626	0.006498	0.88862	0.247941	5.68E-08
0.63692	-0.07045	0.12845	0.3112	6.04E-12
1.15E-07	0.046232	0.3188	0.376338	3.68E-17
0.7219	-0.11272	0.0148	0.082913	0.07345
0.16973	0.083732	0.07064	0.068904	0.13706

0.22049	0.002194	0.96228	0.103045	0.02596
0.03622	-0.0952	0.03973	0.130351	0.00478
0.22359	0.123934	0.00733	-0.28293	4.80E-10
1.04E-05	-0.1082	0.01934	0.414577	8.01E-21
0.14926	0.042848	0.35554	0.266624	4.84E-09
0.52979	0.080045	0.084	0.188805	4.02E-05
2.87E-06	0.030256	0.51425	0.43387	7.38E-23
0.25976	-0.14881	0.00126	0.453942	4.05E-25
0.4131	-0.14529	0.00164	0.211561	3.99E-06
0.97449	-0.14322	0.00192	0.193692	2.50E-05
0.335	-0.07956	0.0859	0.177498	0.00012
0.54252	-0.12591	0.00644	0.135482	0.00335
0.40063	0.023984	0.60516	0.327867	3.64E-13
0.75395	0.020831	0.65343	0.027053	0.55979
0.53362	0.014605	0.75292	0.215255	2.67E-06
0.44389	0.038789	0.40299	0.303135	2.21E-11
0.00062	-0.10208	0.0274	-0.14665	0.00148
0.85703	-0.02947	0.52524	0.2368	2.25E-07
0.0031	-0.00155	0.97331	-0.07	0.13092
0.04152	-0.05088	0.27251	0.20375	9.08E-06
0.85825	0.006493	0.8887	0.058423	0.20759
0.0787	0.099875	0.03093	-0.00791	0.8647
0.00245	-0.09826	0.03377	-0.36607	2.96E-16
0.32201	0.008795	0.84966	0.2844	3.87E-10
0.00126	0.011722	0.80054	0.378559	2.32E-17
0.01843	-0.04965	0.28425	-0.16263	0.00042
0.00023	-0.02786	0.54813	0.524429	2.35E-34
0.01488	-0.04558	0.32567	0.532808	1.33E-35
0.64136	-0.03492	0.45158	0.0508	0.27327
0.67283	0.002554	0.95611	0.240358	1.46E-07
4.76E-08	-0.06754	0.14502	-0.39521	6.58E-19
0.60865	-0.11161	0.01582	0.31614	2.68E-12
0.84639	-0.03091	0.50522	0.023628	0.61054
0.41566	-0.07782	0.09302	-0.1467	0.00148
0.71279	-0.093	0.04457	0.088562	0.05581
0.31545	-0.06044	0.1923	-0.01095	0.81347
0.71115	0.03955	0.39381	-0.33076	2.20E-13
0.0028	-0.03154	0.49648	0.263835	7.08E-09
0.00022	0.168752	0.00025	-0.1006	0.02973
0.85587	-0.07101	0.12541	0.003552	0.93898
0.43562	-0.00445	0.92368	0.10966	0.01776
0.23465	0.007452	0.87241	0.004999	0.9142
0.02168	-0.01473	0.75089	0.362317	6.21E-16
0.04234	-0.02117	0.64811	0.216937	2.22E-06
0.65021	-0.1313	0.00448	0.245389	7.83E-08

0.0051	-0.01036	0.82328	0.416911	4.61E-21
0.14566	0.199847	1.35E-05	-0.17327	0.00017
7.89E-06	0.085411	0.06516	0.189535	3.75E-05
9.74E-05	0.212309	3.68E-06	-0.20101	1.20E-05
8.03E-05	0.131118	0.00454	0.143686	0.00185
0.78639	0.002334	0.95988	0.31851	1.80E-12
0.83999	-0.05918	0.20173	0.144433	0.00175
0.96085	-0.11457	0.01324	0.330836	2.17E-13
0.0614	-0.17726	0.00012	0.112111	0.01536
0.58959	0.047498	0.30571	-0.04271	0.35713
0.05162	-0.03165	0.4951	0.243116	1.04E-07
0.86189	-0.05994	0.19604	-0.01411	0.761
3.13E-05	-0.05098	0.27155	0.387522	3.50E-18
0.00072	-0.01327	0.77484	0.493433	4.99E-30
0.91262	0.05568	0.22977	-0.25096	3.86E-08
7.48E-07	0.043787	0.34509	0.443603	6.18E-24
0.08218	0.074866	0.10614	-0.08896	0.05473
0.17602	-0.01188	0.79794	-0.03973	0.39164
0.6138	-0.03409	0.4624	-0.08043	0.0825
0.72165	-0.00986	0.83165	-0.11072	0.01669
0.00303	0.029768	0.52106	0.071961	0.12044
0.00167	-0.04804	0.30019	-0.12813	0.00556
0.12495	-0.01186	0.79825	0.102749	0.02639
0.00083	0.018328	0.69281	0.432362	1.08E-22
1.15E-05	0.122088	0.00826	0.153536	0.00087
0.5451	-0.03748	0.41899	0.030292	0.51374
0.87763	-0.09905	0.03236	0.157365	0.00064
0.18761	-0.04589	0.32243	0.100503	0.02989
0.50167	-0.02662	0.56606	-0.04241	0.36046
3.65E-07	-0.15777	0.00062	-0.10487	0.02342
0.00012	0.042079	0.36425	0.292928	1.08E-10
0.54581	0.054636	0.23863	0.013082	0.77798
0.92955	0.025696	0.57965	0.050992	0.27146
0.75175	-0.01683	0.71672	0.091821	0.04735
0.01309	0.043299	0.3505	-0.35386	3.20E-15
0.96963	-0.10491	0.02337	0.086815	0.06085
0.04436	-0.06233	0.17871	-0.22257	1.19E-06
0.48151	0.027299	0.55622	-0.06948	0.13381
3.93E-08	0.032795	0.47956	0.114964	0.01292
0.04591	0.15021	0.00113	-0.31316	4.38E-12
0.17887	0.007536	0.87097	0.022157	0.63294
0.94806	-0.09762	0.03494	-0.03446	0.4575
0.95349	-0.01348	0.77143	0.149014	0.00124
4.78E-07	0.109097	0.01836	0.375516	4.36E-17
6.96E-07	-0.00809	0.86161	0.458692	1.12E-25

0.03252	0.018065	0.69699	0.367097	2.41E-16
0.16139	-0.08198	0.07675	0.347347	1.09E-14
0.56645	0.014031	0.76234	0.069959	0.13114
0.06089	0.011492	0.80438	0.221234	1.38E-06
0.03575	0.064636	0.16316	0.312949	4.54E-12
0.93606	0.046174	0.3194	0.029116	0.53024
0.0155	-0.00682	0.88315	0.19561	2.07E-05
0.06771	0.09721	0.03572	-0.0194	0.67578
0.31259	0.060714	0.19028	0.020206	0.66318
0.11998	0.202632	1.02E-05	-0.21749	2.09E-06
0.00943	0.18644	5.04E-05	0.203916	8.93E-06
2.12E-07	-0.09171	0.04762	0.474925	1.20E-27
0.00682	-0.03972	0.3918	0.309913	7.45E-12
0.00409	-0.04713	0.30945	0.306496	1.29E-11
0.93389	0.017902	0.69961	0.091222	0.04882
0.42237	-0.07226	0.11891	-0.15586	0.00073
0.1589	0.040192	0.38618	-0.22353	1.06E-06
0.00018	0.066327	0.15241	0.248823	5.08E-08
0.46297	-0.11118	0.01623	0.061994	0.1811
0.2972	-0.05604	0.22674	-0.03343	0.47114
0.03301	0.001601	0.97248	0.232329	3.84E-07
0.42739	-0.01163	0.80214	0.253488	2.79E-08
1.79E-05	-0.09431	0.04164	-0.21481	2.81E-06
0.03711	-0.07271	0.11663	0.081022	0.08028
1.38E-05	0.188757	4.04E-05	0.311451	5.80E-12
4.62E-05	0.097036	0.03606	0.512558	1.20E-32
0.45729	-0.02195	0.63615	0.030148	0.51575
0.00309	0.046208	0.31904	0.05742	0.21551
0.00067	0.076414	0.09908	0.014128	0.76074
0.39327	-0.0065	0.88864	0.038534	0.40609
0.15787	0.04302	0.35362	0.242177	1.17E-07
0.3507	-0.01199	0.79608	0.145736	0.00159
0.0114	-0.04129	0.37331	0.039349	0.39622
0.38509	-0.0604	0.19262	0.212349	3.67E-06
0.07883	0.000187	0.99679	-0.22346	1.07E-06
0.05319	0.012118	0.79396	0.192811	2.73E-05
0.3746	-0.00801	0.863	-0.01917	0.67952
0.45782	-0.08844	0.05617	0.101308	0.02859
0.45918	-0.09534	0.03945	0.040841	0.37854
0.0139	-0.13892	0.00262	0.186087	5.21E-05
0.00405	-0.15738	0.00064	0.142076	0.00209
0.01683	0.016206	0.72687	0.098249	0.03379
3.18E-07	0.140407	0.00236	0.297478	5.37E-11
0.96466	-0.04839	0.29669	0.098035	0.03418
0.60694	-0.03474	0.45392	0.103868	0.02479



0.01301	-0.05119	0.26963	0.114885	0.01298
0.00588	-0.04449	0.33742	0.522318	4.79E-34
0.00049	0.026961	0.56112	0.23372	3.25E-07
0.40639	-0.06201	0.181	0.280146	7.20E-10
3.49E-05	-0.08355	0.07125	0.531216	2.30E-35
0.71003	-0.09723	0.03569	0.321898	1.02E-12
1.69E-11	-0.18154	7.96E-05	-0.37188	9.18E-17
0.20005	-0.13066	0.00468	0.548226	5.40E-38
0.23929	-0.0569	0.21968	0.065665	0.15656
0.19498	-0.06828	0.14068	0.227933	6.42E-07
0.49234	-0.05865	0.20579	0.047887	0.30176
0.97136	-0.0176	0.70436	0.023707	0.60934
0.02831	0.136666	0.00308	-0.12275	0.00792
0.0004	0.083408	0.07174	0.295526	7.25E-11
0.12818	-0.00476	0.91837	-0.41672	4.83E-21
0.00254	0.245786	7.45E-08	0.067763	0.14371
0.11046	0.131246	0.0045	-0.42949	2.20E-22
0.82406	0.12217	0.00822	-0.09347	0.04349
0.04073	-0.00769	0.86844	-0.12091	0.00891
0.02475	0.151812	0.001	-0.07396	0.11045
0.02045	0.072195	0.11924	0.231198	4.38E-07
3.39E-08	0.209098	5.19E-06	0.263223	7.69E-09
0.0017	-0.15837	0.00059	-0.03604	0.43712
6.96E-05	0.038502	0.40648	0.28547	3.31E-10
0.0008	0.065171	0.1597	0.10115	0.02884
0.68332	-0.02334	0.61494	0.051576	0.266
0.59316	0.023295	0.61558	-0.00822	0.85941
0.50786	-0.05137	0.26793	0.126678	0.00612
0.00854	-0.04811	0.29953	-0.04599	0.32129
0.01122	0.065739	0.15609	0.107025	0.02071
0.00438	-0.02795	0.54685	-0.18275	7.12E-05
0.47238	0.125332	0.00669	-0.31894	1.68E-12
0.08913	0.145446	0.00162	0.012491	0.78775
0.47336	0.043377	0.34963	0.324843	6.15E-13
0.00563	0.06448	0.16418	-0.23415	3.09E-07
1.41E-06	-0.02622	0.57197	0.660707	6.66E-60
0.00055	-0.11148	0.01595	-0.14157	0.00216
0.71035	0.181528	7.97E-05	-0.24428	8.99E-08
0.0002	0.100424	0.03002	0.276106	1.29E-09
0.36658	0.063822	0.16854	-0.04821	0.29855
0.00859	-0.00254	0.95639	0.099515	0.03155
0.44147	-0.03826	0.40938	0.186528	5.00E-05
0.00169	-0.02325	0.61632	0.311153	6.09E-12
0.1633	0.040882	0.37807	0.166177	0.00031
0.40832	-0.07089	0.12607	0.185768	5.37E-05

0.00122	0.055155	0.2342	0.452908	5.34E-25
0.9318	-0.0145	0.75463	0.070023	0.13078
5.63E-13	0.465687	1.64E-26	0.124413	0.00711
7.19E-06	0.291467	1.35E-10	-0.1386	0.00269
0.45305	0.053875	0.24524	0.226383	7.68E-07
0.85706	-0.04629	0.31819	-0.17232	0.00018
8.83E-05	-0.0728	0.11615	0.316356	2.58E-12
0.88467	-0.00148	0.97448	0.005611	0.90375
0.51616	-0.01941	0.67566	-0.02772	0.55019
0.02764	-0.13503	0.00346	-0.0232	0.61703
0.97955	-0.04267	0.35754	0.165818	0.00032
0.20794	-0.06594	0.15483	0.029686	0.52221
0.0008	0.168848	0.00025	0.131847	0.00432
0.00545	0.155361	0.00075	0.217192	2.16E-06
0.76264	-0.05376	0.24626	0.223173	1.11E-06
0.61854	-0.06461	0.16331	0.314963	3.25E-12
0.83434	0.009549	0.83694	-0.11941	0.0098
2.79E-08	0.163264	0.0004	0.027537	0.55278
0.20353	0.089507	0.05324	0.134685	0.00354
0.8634	0.010129	0.82718	-0.15017	0.00113
0.2214	0.08601	0.06329	-0.24554	7.68E-08
0.0016	0.073329	0.11353	0.225101	8.89E-07
0.03351	-0.06993	0.13131	0.374065	5.88E-17
1.32E-05	0.079428	0.08643	0.233003	3.54E-07
0.23915	-0.04453	0.33692	0.113322	0.01428
0.02309	0.254127	2.57E-08	-0.01969	0.67123
0.13209	-0.0164	0.7238	0.009909	0.83088
5.07E-07	0.096117	0.03786	-0.0325	0.48359
0.52389	-0.14172	0.00214	0.32698	4.25E-13
0.97783	-0.15768	0.00063	0.222194	1.24E-06
0.00017	-0.03913	0.3988	0.366324	2.81E-16
2.13E-05	-0.06889	0.13717	0.047072	0.31007
0.03949	0.076549	0.09849	0.015313	0.74136
6.08E-13	0.16825	0.00026	0.193071	2.66E-05
0.6538	-0.04241	0.36047	0.079706	0.08533
0.02205	-0.13865	0.00268	-0.20087	1.22E-05
1.38E-07	-0.03485	0.45243	-0.38269	9.78E-18
0.07789	0.055285	0.23309	0.039063	0.39966
0.07595	0.065362	0.15848	-0.10392	0.02471
0.26815	-0.03558	0.44302	0.445126	4.16E-24
0.00858	0.12972	0.00499	0.166328	0.00031
1.10E-05	-0.02466	0.59496	0.299654	3.82E-11
0.00033	-0.04763	0.30435	-0.12762	0.00575
0.33715	-0.0005	0.99145	0.008743	0.85054
0.0188	0.059259	0.20115	-0.17742	0.00012

0.03127	-0.07914	0.08759	-0.13998	0.00243
0.02139	0.034434	0.45788	0.168553	0.00025
0.67063	-0.0093	0.84112	-0.23807	1.93E-07
0.5648	-0.00346	0.94052	-0.15905	0.00056
0.01466	-0.04068	0.3804	0.520068	1.02E-33
0.02054	-0.01967	0.67152	0.060633	0.19088
0.00917	-0.10078	0.02944	-0.11728	0.0112
1.87E-05	0.017013	0.71384	0.46241	4.06E-26
0.00016	0.049293	0.28777	0.298939	4.28E-11
0.10125	0.070858	0.12625	-0.13672	0.00307
0.75242	-0.04422	0.34036	0.173779	0.00016
0.70234	-0.00184	0.96831	0.00879	0.84975
0.13214	0.132052	0.00426	0.270848	2.70E-09
1.20E-05	-0.00073	0.98752	0.145079	0.00167
0.0632	-0.08064	0.08173	0.062161	0.17992
0.16718	0.043196	0.35164	-0.09505	0.04005
0.49489	0.003469	0.94041	0.14383	0.00183
0.74607	0.07442	0.10824	-0.00022	0.99618
0.06278	0.125617	0.00657	0.356098	2.08E-15
2.34E-07	-0.24567	7.56E-08	0.0185	0.69007
0.15208	-0.03922	0.39782	-0.03872	0.40379
0.00362	-0.06355	0.17034	0.178473	0.00011
0.7185	0.109577	0.01785	-0.09756	0.03507
0.00033	-0.00538	0.90763	0.010477	0.82136
0.77236	0.048924	0.2914	0.227272	6.93E-07
0.00355	0.167015	0.00029	0.233646	3.28E-07
8.67E-11	0.389212	2.43E-18	0.056632	0.22189
0.81988	-0.05106	0.27083	0.307711	1.06E-11
1.46E-21	0.363449	4.97E-16	0.421201	1.66E-21
0.00021	-0.02426	0.60105	0.466018	1.49E-26
0.55526	0.025812	0.57794	0.131706	0.00436
0.95538	-0.19826	1.59E-05	0.355862	2.18E-15
0.22694	0.03775	0.41572	0.217582	2.07E-06
0.52076	0.007338	0.87434	0.119321	0.00986
0.03379	0.030863	0.50585	0.0984	0.03351
0.6908	0.027533	0.55284	-0.12591	0.00644
0.93603	-0.0598	0.19706	-0.13193	0.00429
0.00091	0.079678	0.08544	0.21963	1.65E-06
0.09809	0.140206	0.00239	-0.2009	1.22E-05
0.00142	0.257799	1.59E-08	0.097596	0.03499
0.87625	-0.08703	0.06022	0.035388	0.4455
0.83233	-0.15642	0.00069	0.333817	1.28E-13
1.56E-10	0.366546	2.69E-16	0.121008	0.00885
0.00381	0.056491	0.22304	0.051631	0.26549
0.53859	-0.10891	0.01856	0.169935	0.00022

0.21129	-0.02446	0.59803	0.088358	0.05639
0.29538	-0.06331	0.17198	0.155043	0.00077
0.11898	-0.00219	0.96237	-0.0165	0.72208
0.01938	-0.11427	0.01348	0.028757	0.53532
4.35E-05	0.178944	0.0001	0.344666	1.80E-14
0.32374	-0.07979	0.08501	0.034006	0.46349
1.78E-05	0.058066	0.21039	0.205567	7.52E-06
0.19309	-0.12441	0.00711	0.167482	0.00028
0.03836	0.039259	0.3973	-0.11351	0.01411
0.0431	-0.09048	0.0507	0.242088	1.18E-07
0.10991	0.05663	0.2219	0.05492	0.2362
3.97E-11	-0.13261	0.00409	-0.10142	0.02842
0.05135	-0.0108	0.81595	-0.2566	1.86E-08
0.13648	0.275005	1.50E-09	-0.33214	1.73E-13
0.01149	-0.01772	0.70258	-0.18403	6.32E-05
0.00021	0.036333	0.43344	0.479724	2.99E-28
0.07579	-0.02187	0.63742	-0.29233	1.18E-10
0.8529	0.056844	0.22016	-0.08879	0.05519
1.18E-05	-0.06205	0.18071	0.27675	1.17E-09
0.39379	-0.06504	0.16054	0.098519	0.0333
0.67908	-0.0863	0.06241	0.013725	0.76736
0.53252	-0.07064	0.1274	0.042414	0.36044
0.00183	0.06491	0.16138	-0.18739	4.60E-05
0.00014	0.004392	0.92459	0.494299	3.83E-30
0.80731	-0.15216	0.00097	0.172034	0.00019
0.05738	-0.0384	0.40777	-0.28542	3.33E-10
0.62518	-0.07442	0.10826	0.189092	3.91E-05
0.16696	0.111735	0.0157	-0.08771	0.05822
0.05798	-0.00695	0.88094	0.138511	0.0027
0.87467	-0.02899	0.53201	0.181506	7.99E-05
0.03305	0.06502	0.16067	0.364704	3.88E-16
0.63044	-0.20605	7.16E-06	0.141257	0.00222
1.91E-05	0.328372	3.34E-13	-0.00391	0.93279
0.54419	-0.07147	0.123	0.298539	4.55E-11
1.87E-08	0.189688	3.70E-05	0.186616	4.96E-05
0.09518	0.041968	0.36551	0.002272	0.96094
4.26E-13	0.250137	4.29E-08	0.186255	5.13E-05
8.37E-05	0.110976	0.01643	0.368005	2.01E-16
0.85412	-0.10793	0.01965	0.211306	4.10E-06
0.58779	-0.04375	0.34548	0.32144	1.10E-12
0.56117	-0.06452	0.16391	-0.26457	6.40E-09
0.17284	-0.04192	0.36609	0.234633	2.92E-07
0.96464	-0.04704	0.31044	0.034813	0.45293
0.24923	0.014279	0.75826	-0.18402	6.33E-05
0.01838	-0.03898	0.40067	-0.25179	3.47E-08

0.01673	-0.07018	0.12995	0.055772	0.229
0.07857	-0.08672	0.06114	0.247166	6.26E-08
0.44165	-0.02454	0.5969	0.403951	9.32E-20
0.02054	0.096355	0.03739	0.302343	2.51E-11
0.34303	0.084868	0.06689	-0.177	0.00012
0.3267	0.005821	0.90016	0.066425	0.15181
0.38879	-0.01543	0.73954	0.198069	1.62E-05
7.33E-08	0.053317	0.25017	0.467307	1.04E-26
0.28885	-0.11336	0.01424	-0.15194	0.00099
0.66749	0.106172	0.02175	0.07812	0.09175
0.00635	0.101484	0.02832	-0.3256	5.40E-13
4.19E-09	0.125369	0.00667	0.636629	1.94E-54
0.00524	0.090457	0.05075	-0.0566	0.22216
0.58744	-0.07958	0.08582	0.085637	0.06445
0.00302	-0.06235	0.17862	0.271882	2.34E-09
0.00017	0.155785	0.00073	0.305774	1.45E-11
0.23257	-0.01653	0.72169	-0.07286	0.11587
0.42876	0.261176	1.01E-08	-0.41553	6.39E-21
1.92E-07	0.3126	4.81E-12	-0.06142	0.18514
0.04533	0.027076	0.55945	0.198963	1.48E-05
0.18502	-0.03703	0.42463	-0.11704	0.01137
0.47894	-0.01064	0.8186	0.082048	0.07651
0.4001	-0.08041	0.08259	0.227906	6.44E-07
0.68398	-0.16096	0.00048	0.341403	3.27E-14
0.11905	0.144832	0.0017	-0.32049	1.29E-12
0.5905	-0.1376	0.00288	0.409691	2.50E-20
0.00011	-0.01742	0.70723	0.575207	1.73E-42
0.00037	-0.00398	0.9317	0.470639	4.07E-27
1.39E-06	-0.17702	0.00012	-0.23882	1.76E-07
0.22808	-0.05613	0.226	-0.07939	0.08657
0.61605	0.091764	0.04749	-0.29378	9.48E-11
0.38217	-0.03267	0.48125	0.229707	5.22E-07
0.09845	0.118531	0.01036	-0.10566	0.0224
0.433	-0.09344	0.04355	0.090392	0.05092
0.00523	0.003619	0.93783	0.284061	4.07E-10
0.12341	-0.00578	0.90082	0.165354	0.00033
0.00134	0.149468	0.0012	0.048689	0.29373
0.00022	0.27915	8.32E-10	0.287009	2.63E-10
0.05886	0.093293	0.0439	0.344604	1.82E-14
0.67287	-0.0511	0.2704	-0.01173	0.80036
0.06594	-0.07424	0.1091	0.057278	0.21665
0.35204	-0.07443	0.1082	0.118192	0.01058
0.0862	0.160047	0.00052	-0.24441	8.85E-08
0.11693	0.056623	0.22196	0.177458	0.00012
0.90296	0.056311	0.22452	0.03728	0.42154

0.2259	-0.08403	0.06963	0.191181	3.20E-05
0.00012	0.226051	7.98E-07	-0.04917	0.28895
0.11912	-0.03922	0.39779	0.218577	1.85E-06
0.17583	-0.00461	0.92085	0.180113	9.08E-05
0.00748	-0.04636	0.31744	0.294345	8.69E-11
0.65576	-0.08054	0.08208	5.82E-05	0.999
0.00475	-0.09946	0.03164	0.568536	2.45E-41
0.00046	0.004508	0.92259	0.271838	2.35E-09
5.45E-05	-0.13842	0.00272	-0.23531	2.69E-07
0.1118	-0.05483	0.23695	0.260093	1.17E-08
0.06832	-0.11231	0.01517	0.246047	7.21E-08
0.97387	0.093118	0.0443	0.087684	0.0583
0.82785	-0.00319	0.94515	0.041114	0.37536
0.71164	-0.06745	0.1456	0.348918	8.14E-15
0.93563	0.046854	0.31232	0.033729	0.46714
4.39E-05	-0.02353	0.61204	-0.33759	6.52E-14
0.35192	-0.01644	0.72305	0.171077	0.0002
0.93885	-0.06637	0.15214	0.210226	4.60E-06
0.02368	-0.06722	0.14694	-0.081	0.08036
0.29128	-0.05048	0.27631	0.350947	5.56E-15
0.03445	0.01801	0.69787	0.187025	4.77E-05
0.05418	-0.03322	0.47387	0.443332	6.63E-24
0.4871	0.034436	0.45785	-0.05168	0.26501
0.21094	-0.05017	0.27924	0.037447	0.41946
0.12002	-0.04549	0.32662	0.434634	6.09E-23
0.02031	0.016163	0.72756	0.299787	3.75E-11
0.02171	0.040609	0.38126	-0.00177	0.9695
0.61922	-0.21059	4.43E-06	0.507069	7.06E-32
0.96947	-0.08461	0.06772	0.142684	0.00199
0.94637	-0.01121	0.80912	-0.07109	0.12498
0.28876	0.011121	0.81057	-0.04964	0.28441
0.14652	-0.12286	0.00786	0.475857	9.17E-28
0.03883	0.111274	0.01614	0.141504	0.00218
0.00417	0.011647	0.80178	0.390463	1.86E-18
0.79704	-0.06027	0.19352	0.351484	5.02E-15
0.03067	-0.03225	0.48686	-0.03334	0.47229
0.11135	-0.07481	0.10638	-0.02977	0.52103
0.02081	0.077015	0.09645	0.058057	0.21045
0.89814	-0.11192	0.01554	0.067682	0.14419
0.15553	0.005398	0.90738	0.275436	1.42E-09
0.1428	-0.09084	0.04979	0.086931	0.0605
0.50975	0.173879	0.00016	-0.18086	8.48E-05
1.86E-08	0.079346	0.08675	0.426788	4.27E-22
0.00831	-0.16809	0.00026	-0.11539	0.01259
0.00637	-0.04538	0.32778	0.202614	1.02E-05

3.71E-06	0.06795	0.1426	0.353536	3.40E-15
0.74534	-0.02518	0.58733	0.073231	0.11401
0.02035	-0.11221	0.01526	0.036179	0.43539
0.96248	0.029128	0.53006	0.070515	0.12809
0.03938	-0.06417	0.16624	0.059335	0.20057
0.14419	-0.09467	0.04087	0.099279	0.03195
0.35324	-0.06284	0.17521	-0.04886	0.29202
0.00051	0.172105	0.00019	-0.16993	0.00023
0.00584	0.057072	0.21831	0.104177	0.02436
0.00075	0.064388	0.16479	0.206712	6.67E-06
0.19692	-0.05758	0.21421	0.134982	0.00347
0.92394	-0.03417	0.46135	0.146994	0.00145
0.00011	-0.04489	0.33305	0.390249	1.94E-18
0.11459	-0.03569	0.44162	-0.05875	0.20505
0.30024	-0.08737	0.0592	0.033522	0.46988
0.09358	-0.05478	0.23743	0.187545	4.54E-05
0.00077	-0.10625	0.02165	0.047811	0.30253
0.54827	-0.0295	0.52481	0.013236	0.77543
0.00062	0.040587	0.38152	0.307864	1.04E-11
0.46875	-0.03832	0.40874	0.198934	1.49E-05
0.92328	0.031573	0.4961	0.141733	0.00214
0.01591	-0.03379	0.46636	-0.06027	0.19357
0.19733	-0.01626	0.72603	0.017554	0.70516
0.03481	0.025428	0.58361	0.245607	7.62E-08
0.5386	-0.04474	0.33472	0.158607	0.00058
5.94E-07	0.100185	0.03041	0.376012	3.94E-17
8.35E-06	0.188926	3.98E-05	0.331892	1.80E-13
1.01E-05	-0.06043	0.1924	-0.18464	5.97E-05
0.33654	0.003204	0.94495	0.316341	2.59E-12
0.13175	0.02041	0.65999	0.311251	5.99E-12
0.49074	0.0552	0.23381	0.201016	1.20E-05
0.22724	-0.01647	0.72259	0.071798	0.12129
1.42E-05	0.049291	0.28779	0.518796	1.55E-33
0.06402	0.11738	0.01113	-0.11483	0.01302
0.27897	0.042202	0.36285	0.099802	0.03106
4.67E-05	-0.02114	0.64859	0.540839	7.82E-37
0.13103	-0.05213	0.26086	0.272314	2.20E-09
0.00811	-0.0036	0.93808	0.147931	0.00135
0.15792	-0.08885	0.05501	0.092022	0.04687
0.31237	-0.02018	0.66363	0.124445	0.00709
0.57902	-0.02562	0.58079	0.256589	1.86E-08
0.89183	-0.02675	0.56412	0.132041	0.00426
0.01793	0.020258	0.66237	0.196776	1.84E-05
0.04614	-0.00466	0.91997	0.266472	4.94E-09
0.71793	-0.13056	0.00471	0.345535	1.53E-14

0.62264	-0.14502	0.00168	0.245025	8.19E-08
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0.36146	-0.04551	0.32643	0.185224	5.65E-05
0.17256	-0.00066	0.98867	0.19483	2.24E-05
1.27E-05	0.29385	9.38E-11	0.030509	0.51074
0.70862	0.062674	0.17634	0.14262	0.002
0.69529	-0.01914	0.67988	-0.07403	0.11012
0.09184	-0.02636	0.56986	0.180561	8.72E-05
0.03332	-0.09903	0.03239	0.007148	0.87756
0.55664	0.061502	0.18459	0.101295	0.02861
0.0937	-0.1409	0.00227	0.224816	9.19E-07
9.54E-13	-0.19849	1.55E-05	-0.10188	0.0277
0.74331	0.045592	0.32555	-0.1319	0.0043
0.00844	0.05951	0.19924	0.032424	0.48455
0.03739	0.158164	0.0006	-0.12226	0.00817
0.29153	0.244149	9.14E-08	-0.03981	0.39067
0.59152	0.013777	0.76651	0.153709	0.00086
1.96E-06	0.026397	0.56935	0.375503	4.38E-17
7.37E-05	0.145934	0.00157	0.231523	4.22E-07
0.0497	0.00237	0.95926	-0.00883	0.84907
0.45236	-0.04387	0.34413	0.214132	3.02E-06
0.11283	-0.06847	0.13957	0.241941	1.20E-07
0.76308	-0.01947	0.67474	0.257768	1.59E-08
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0.00122	-0.01116	0.80997	0.196351	1.92E-05
0.05052	0.02042	0.65983	-0.19469	2.27E-05
0.4776	-0.03043	0.51178	0.182812	7.08E-05
5.53E-10	-0.02939	0.52637	0.449601	1.29E-24
1.31E-07	0.346021	1.40E-14	0.059758	0.19737
2.04E-06	0.356646	1.87E-15	0.049306	0.28764
0.33569	0.158939	0.00057	-0.34665	1.24E-14
0.04449	0.187956	4.36E-05	-0.31906	1.64E-12
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0.21732	-0.06321	0.17269	0.003631	0.93763
0.00011	-0.08923	0.05398	-0.22723	6.97E-07
0.00297	-0.04105	0.37614	0.464077	2.56E-26
0.17697	0.058333	0.20829	0.188431	4.17E-05
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0.52607	0.011651	0.80172	0.041185	0.37454
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0.72364	0.014101	0.76119	0.049332	0.28739
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0.03169	0.067432	0.14567	-0.13612	0.0032
0.54618	-0.00415	0.92869	0.288957	1.97E-10
1.52E-07	0.031817	0.49277	0.331704	1.86E-13
0.6065	-0.08777	0.05804	-0.00976	0.83331
0.30577	0.011216	0.80899	-0.34985	6.83E-15
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0.01035	-0.0445	0.33728	-0.13158	0.0044
0.00069	0.027878	0.54787	-0.3898	2.14E-18
0.7536	-0.20252	1.03E-05	0.356695	1.86E-15
0.95073	-0.03001	0.51765	-0.03944	0.39508
0.50864	-0.07817	0.09153	0.214477	2.91E-06
0.001	0.204925	8.04E-06	-0.07357	0.11235
0.13055	0.02977	0.52103	-0.12085	0.00894
0.10993	-0.04071	0.38007	-0.03813	0.41106
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0.01098	0.017735	0.70226	0.25481	2.35E-08
0.0001	0.032308	0.48612	0.537428	2.63E-36
0.00169	-0.06109	0.18755	0.548466	4.95E-38
0.00969	-0.13343	0.00387	0.017829	0.70077
1.50E-06	0.228057	6.33E-07	0.396884	4.54E-19
0.55599	0.012868	0.78151	0.113298	0.0143
0.10837	-0.09752	0.03513	0.450458	1.03E-24
0.10442	0.063586	0.17012	0.294272	8.79E-11
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0.9379	-0.08374	0.07063	0.324882	6.11E-13
0.25861	0.044381	0.33857	0.11964	0.00966
0.04553	-0.1188	0.01019	0.510664	2.23E-32
0.15727	-0.13022	0.00482	0.12133	0.00867
0.68317	-0.06635	0.15224	0.308924	8.75E-12
0.26731	-0.05672	0.22119	0.409894	2.39E-20
0.00152	-0.11711	0.01132	-0.25241	3.21E-08
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0.06247	-0.00837	0.85686	0.258024	1.54E-08
3.16E-05	0.018751	0.6861	0.316048	2.72E-12
9.79E-05	-0.00668	0.88559	0.310264	7.04E-12
0.01232	0.055401	0.23211	0.292979	1.07E-10
0.00047	-0.06064	0.19085	0.022903	0.62154
0.49885	0.017657	0.70351	0.346213	1.35E-14

7.66E-07	0.023128	0.61811	0.273733	1.80E-09
0.2294	-0.0718	0.12126	0.234831	2.85E-07
0.5197	-0.0666	0.15073	0.336166	8.43E-14
0.59037	-0.06272	0.17602	0.233073	3.51E-07
0.09491	-0.00855	0.85386	0.153199	0.0009
0.98303	-0.05863	0.20599	0.195824	2.03E-05
0.31278	-0.12519	0.00675	0.380703	1.49E-17
0.15883	0.069783	0.13211	-0.07104	0.12525
0.4483	-0.07234	0.11847	-0.21669	2.28E-06
0.09663	-0.03357	0.46921	0.14556	0.00161
0.83047	0.087935	0.05758	0.045391	0.32769
0.0463	0.111909	0.01554	-0.12316	0.00771
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0.0248	0.016884	0.71592	-0.21013	4.65E-06
0.00998	-0.03777	0.41545	-0.13329	0.00391
0.44952	-0.00267	0.95419	0.073871	0.11088
0.01074	0.169569	0.00023	-0.40954	2.59E-20
0.06216	0.010629	0.8188	0.228468	6.03E-07
3.07E-08	0.349959	6.70E-15	-0.20813	5.75E-06
0.01562	0.085307	0.06549	0.452422	6.08E-25
0.23693	0.010671	0.81809	0.147601	0.00138
0.33931	-0.12802	0.0056	0.423503	9.51E-22
0.51508	-0.14821	0.00132	0.157239	0.00065
0.47091	-0.02547	0.58293	0.072096	0.11974
0.94862	-0.01117	0.80967	0.107905	0.01968
0.71171	-0.13162	0.00438	0.171627	0.00019
0.00883	-0.01987	0.66838	0.334623	1.11E-13
0.18377	-0.02788	0.54788	-0.22714	7.03E-07
0.80469	0.035496	0.44411	0.096384	0.03733
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0.14902	-0.07007	0.13055	0.352222	4.37E-15
0.06238	0.007152	0.87749	0.230979	4.50E-07
2.02E-06	0.105622	0.02244	0.371729	9.47E-17
5.12E-12	0.230548	4.73E-07	0.16192	0.00044
0.01982	0.245233	7.98E-08	-0.18997	3.60E-05
0.25632	0.0576	0.21407	-0.04607	0.32052
0.06486	0.034035	0.46311	0.367938	2.03E-16
0.00018	0.193019	2.67E-05	0.008672	0.85173
1.80E-10	-0.12855	0.0054	-0.05925	0.20123
0.66096	0.075084	0.10512	0.234945	2.81E-07
2.21E-16	0.316075	2.71E-12	-0.05305	0.25259
0.04363	-0.0916	0.0479	0.131992	0.00427
0.00072	-0.0227	0.62469	0.042055	0.36453
0.48196	-0.15237	0.00096	0.331346	1.98E-13

0.82593	-0.11567	0.01237	0.247279	6.17E-08
0.0734	0.012287	0.79115	0.095514	0.03909
0.85165	-0.03032	0.51342	0.289853	1.72E-10
0.722	-0.02771	0.55036	0.081504	0.07849
0.5352	-0.10012	0.03052	0.233351	3.40E-07
0.06217	-0.07818	0.09151	0.116524	0.01174
0.01172	-0.16047	0.0005	-0.0228	0.62308
0.04518	-0.13522	0.00341	0.07447	0.108
0.00053	-0.13915	0.00258	0.073419	0.11308
4.05E-07	0.033876	0.4652	0.32377	7.39E-13
0.00076	0.129667	0.00501	0.370517	1.21E-16
0.52032	0.076724	0.09772	-0.11906	0.01002
0.00013	-0.02175	0.63914	0.506498	8.48E-32
0.04456	0.062675	0.17634	-0.08984	0.05235
0.08444	-0.0509	0.27228	0.315247	3.11E-12
0.70293	-0.1198	0.00956	0.222217	1.23E-06
0.9456	0.018103	0.6964	-0.0944	0.04144
0.88156	0.213519	3.23E-06	-0.31068	6.58E-12
0.00333	-0.13374	0.00379	-0.04359	0.34725
0.37083	-0.10349	0.02533	0.041158	0.37485
5.72E-06	0.006569	0.88741	0.109397	0.01804
0.04922	-0.11508	0.01283	0.196173	1.96E-05
5.43E-06	-0.16711	0.00029	-0.15834	0.00059
5.92E-11	0.291618	1.32E-10	0.344574	1.83E-14
1.64E-07	0.119801	0.00956	0.346635	1.25E-14
0.00116	-0.02921	0.52893	0.303501	2.09E-11
0.02225	-0.03761	0.41742	0.098714	0.03295
0.03771	0.104425	0.02402	-0.01801	0.69795
0.9241	0.00322	0.94468	0.024807	0.59283
0.01646	0.242998	1.05E-07	-0.04709	0.30989
0.86926	0.05906	0.20266	0.005254	0.90985
0.00333	0.075943	0.10119	0.473254	1.93E-27
0.0533	0.01608	0.7289	-0.16578	0.00032
0.51195	0.113291	0.0143	0.084766	0.06722
0.97298	0.166949	0.00029	-0.42311	1.05E-21
0.0019	0.064756	0.16238	-0.03423	0.46051
0.16177	0.068214	0.14106	-0.30792	1.03E-11
0.43696	0.112011	0.01545	-0.00345	0.94076
3.55E-11	0.207159	6.37E-06	0.243985	9.33E-08
0.00378	0.047483	0.30586	-0.24523	7.98E-08
0.87441	0.151926	0.00099	-0.03084	0.50619
0.01647	-0.198	1.63E-05	0.100422	0.03002
0.67934	0.118608	0.01031	-0.0091	0.84447
5.28E-08	0.156545	0.00069	0.306223	1.35E-11
0.21873	-0.18117	8.24E-05	0.170941	0.00021

0.03024	-0.00704	0.87942	0.157241	0.00065
0.95061	0.035517	0.44385	0.035188	0.44808
0.00676	0.104658	0.02371	0.227095	7.07E-07
0.74478	0.003621	0.9378	0.087502	0.05883
0.00426	-0.06971	0.13253	0.190662	3.36E-05
0.06617	-0.01458	0.75329	0.201082	1.19E-05
0.01998	-0.22832	6.14E-07	0.156853	0.00067
0.78873	-0.10183	0.02777	0.322631	8.97E-13
0.70714	0.000441	0.99241	0.214155	3.01E-06
0.21537	0.051508	0.26663	-0.14881	0.00126
0.00105	0.066064	0.15405	0.235087	2.76E-07
0.19041	-0.08335	0.07193	0.133132	0.00395
3.51E-11	0.042911	0.35483	0.537729	2.36E-36
0.00887	0.039092	0.39931	-0.16058	0.00049
0.46207	0.021492	0.64318	0.122756	0.00791
0.81139	0.049394	0.28679	0.312207	5.13E-12
0.64009	0.004959	0.91489	0.024085	0.60365
0.06329	0.045296	0.3287	-0.03415	0.46156
4.69E-06	0.235184	2.73E-07	0.156459	0.00069
0.02177	-0.03629	0.43397	0.289205	1.89E-10
0.01488	-0.01429	0.75813	0.401391	1.66E-19
0.5732	0.000386	0.99336	0.342089	2.88E-14
1.10E-13	0.100792	0.02942	0.312638	4.78E-12
3.08E-05	0.087183	0.05976	0.24145	1.28E-07
0.81965	-0.01412	0.76095	0.009422	0.83908
0.33181	0.072236	0.11902	0.214473	2.91E-06
0.51773	-0.03388	0.4652	-0.03592	0.43874
0.53202	-0.00707	0.87897	0.08516	0.06596
0.81757	-0.01937	0.67634	0.362488	6.01E-16
0.08124	0.12372	0.00743	-0.00958	0.83646
0.80436	0.09499	0.04018	-0.27471	1.57E-09
0.03967	0.182941	7.00E-05	-0.22374	1.04E-06
0.12291	0.185223	5.65E-05	-0.14362	0.00186
1.13E-05	0.126655	0.00613	0.31027	7.03E-12
3.43E-12	0.279856	7.51E-10	0.284916	3.59E-10
0.10665	0.214025	3.06E-06	-0.02809	0.54486
0.16994	0.01055	0.82012	-0.03228	0.48652
3.58E-06	-0.15351	0.00087	-0.14415	0.00179
6.96E-06	-0.12933	0.00513	-0.12653	0.00618
2.86E-07	0.022896	0.62164	0.541535	6.10E-37
0.38609	-0.13802	0.0028	0.417257	4.25E-21
0.00267	0.092259	0.0463	0.329698	2.65E-13
0.12316	-0.03791	0.4137	0.362121	6.46E-16
0.06711	-0.12341	0.00758	-0.14625	0.00153
0.15996	-0.0733	0.11369	0.258503	1.45E-08

0.15579	-0.18119	8.23E-05	0.119463	0.00977
0.41787	-0.13441	0.00361	0.510333	2.48E-32
0.0899	0.252711	3.08E-08	-0.01081	0.8158
0.9605	0.024196	0.60198	0.031474	0.49745
0.59957	0.033238	0.47365	0.026132	0.57323
0.02405	0.243182	1.03E-07	-0.16994	0.00022
0.4667	-0.00793	0.86426	-0.01626	0.72607
0.1711	-0.01627	0.7259	-0.10919	0.01826
0.0096	-0.04248	0.35971	0.088503	0.05598
0.70356	-0.02533	0.58502	-0.0524	0.25847
0.06598	0.128314	0.00549	-0.00433	0.92568
0.18638	-0.1065	0.02134	0.114177	0.01355
0.20395	0.077224	0.09555	0.106401	0.02146
0.07166	0.049366	0.28706	0.220356	1.52E-06
0.00163	0.070266	0.12945	0.349411	7.42E-15
0.38095	-0.01235	0.79015	-0.00328	0.94362
0.66306	0.016624	0.72011	-0.01117	0.80977
0.38802	-0.0076	0.86993	0.228245	6.19E-07
0.78849	-0.06999	0.13098	-0.01348	0.77147
0.82663	-0.01014	0.82706	0.027986	0.54633
0.14546	0.039485	0.39459	0.11821	0.01057
0.89709	0.011776	0.79964	0.065018	0.16068
0.81031	-0.0005	0.99141	0.026113	0.57351
0.43222	0.066851	0.14919	-0.02829	0.54198
0.0588	-0.02256	0.62677	0.138967	0.00262
0.00173	-0.00849	0.8548	0.097426	0.03531
0.07197	0.008672	0.85174	0.057848	0.2121
1.29E-05	0.221824	1.29E-06	0.10454	0.02387
0.01416	-0.01646	0.72277	0.210238	4.60E-06
0.38788	-0.02704	0.55998	0.10474	0.0236
0.30019	0.152839	0.00092	0.274981	1.51E-09
0.00339	-0.06762	0.14455	-0.13502	0.00346
0.42925	-0.05205	0.26166	0.407924	3.76E-20
0.62073	0.042255	0.36224	-0.05371	0.24668
0.63425	-0.04847	0.29591	0.253952	2.63E-08
2.26E-06	0.284138	4.02E-10	0.061772	0.18266
0.00178	0.28553	3.28E-10	-0.08564	0.06442
0.10665	0.07576	0.10202	-0.08731	0.05938
1.29E-06	0.079999	0.08418	0.330685	2.23E-13
0.41092	0.145332	0.00164	0.047991	0.30072
1.00E-10	0.10639	0.02148	0.407086	4.56E-20
0.06311	0.049138	0.28929	0.156701	0.00068
0.04756	-0.04739	0.30684	0.260765	1.07E-08
0.2545	-0.01456	0.7536	0.212696	3.53E-06
0.14968	-0.03648	0.43164	-0.10451	0.02391

0.38006	-0.12788	0.00565	0.112821	0.01471
0.95571	-0.04601	0.3211	-0.00336	0.9423
0.00072	-0.02005	0.66568	-0.0906	0.05038
0.10687	0.069997	0.13093	0.058635	0.20594
0.98258	-0.06918	0.13548	0.285137	3.47E-10
0.20648	0.062821	0.17533	0.130448	0.00475
0.00166	-0.01586	0.73244	0.338051	6.01E-14
0.7419	-0.12007	0.0094	0.006005	0.89703
2.66E-08	0.159724	0.00053	0.340599	3.79E-14
0.23712	-0.083	0.07314	0.236153	2.43E-07
0.05121	0.004537	0.92211	0.286163	2.98E-10
0.1405	-0.09399	0.04234	0.157929	0.00061
0.83959	0.017137	0.71185	0.157943	0.00061
0.64844	0.064019	0.16722	-0.07839	0.09062
0.30168	-0.08231	0.07556	0.181433	8.04E-05
9.02E-06	0.116246	0.01194	0.484393	7.57E-29
0.12404	-0.04614	0.31977	0.075064	0.10521
7.28E-05	0.07902	0.08806	0.303378	2.13E-11
0.2177	-0.05109	0.27054	-0.1142	0.01354
6.26E-10	-0.19458	2.29E-05	-0.23076	4.61E-07
0.72696	-0.04712	0.30957	0.024384	0.59917
0.91538	-0.0709	0.126	0.285729	3.18E-10
0.10145	-0.10093	0.02919	0.120844	0.00895
0.75202	-0.09917	0.03214	0.12712	0.00594
0.86418	-0.12936	0.00511	0.356595	1.89E-15
0.5906	-0.02077	0.6544	0.150042	0.00115
0.13089	-0.10256	0.02667	0.15862	0.00058
0.30663	-0.03198	0.4906	-0.20649	6.83E-06
0.28205	-0.01388	0.76489	0.150337	0.00112
0.9947	-0.00262	0.95499	0.167719	0.00027
0.10384	0.098405	0.0335	0.021546	0.64234
0.01186	0.094211	0.04185	0.036134	0.43597
0.56378	-0.01393	0.76396	0.102332	0.02702
0.26447	-0.00058	0.98994	0.165028	0.00034
0.4948	0.060833	0.18942	-0.27196	2.31E-09
0.00399	0.07516	0.10477	0.244804	8.42E-08
4.55E-13	-0.01243	0.78875	0.54661	9.75E-38
0.09183	-0.0346	0.45575	0.384685	6.41E-18
1.24E-08	0.059005	0.20309	0.65243	5.73E-58
3.27E-06	0.073617	0.11211	0.316679	2.45E-12
0.75977	0.113466	0.01415	-0.05866	0.20577
0.64454	0.083803	0.0704	-0.03399	0.46375
1.62E-12	0.107358	0.02031	0.388882	2.61E-18
0.50645	-0.00696	0.88068	-0.08965	0.05286
0.0175	-0.12064	0.00906	0.51942	1.26E-33

0.55225	0.113477	0.01414	0.00201	0.96544
0.59628	0.027195	0.55773	-0.0647	0.16275
0.00868	-0.02318	0.61732	0.233352	3.40E-07
0.11069	-0.14304	0.00194	0.026551	0.56709
4.06E-07	0.003406	0.94149	0.549959	2.86E-38
0.46715	-0.08021	0.08336	0.317632	2.09E-12
0.2919	-0.056	0.22706	0.319426	1.54E-12
0.37275	-0.07503	0.10535	0.28863	2.07E-10
0.33271	-0.05977	0.19732	-0.01867	0.68733
0.17056	-0.10686	0.0209	0.200641	1.25E-05
0.62319	-0.04319	0.35174	0.003736	0.93583
0.64416	-0.05931	0.20078	0.127075	0.00596
0.82364	0.091456	0.04824	-0.03595	0.43825
0.05969	0.140076	0.00241	0.013655	0.76852
0.26138	-0.03743	0.41965	0.21118	4.16E-06
2.70E-06	-0.08576	0.06406	-0.07364	0.11202
0.07298	0.167079	0.00029	-0.0832	0.07246
0.34382	-0.01686	0.71639	0.174243	0.00015
0.17545	0.060011	0.19548	0.028935	0.53279
0.48808	0.009905	0.83095	0.037113	0.42363
0.76084	0.038762	0.40331	0.080717	0.08142
0.88709	0.121578	0.00854	-0.10474	0.0236
0.84504	0.025572	0.58149	-0.01717	0.71128
5.36E-06	0.079528	0.08603	0.42863	2.72E-22
0.00213	-0.04826	0.298	0.404825	7.64E-20
0.95593	-0.06801	0.14223	0.027675	0.55079
0.96231	0.035942	0.43841	0.035393	0.44545
0.00807	-0.21645	2.35E-06	-0.1365	0.00312
0.49352	0.003561	0.93883	0.019436	0.67528
0.95371	0.130838	0.00463	-0.08549	0.0649
0.15447	0.102322	0.02703	0.061581	0.18402
0.14407	0.050877	0.27254	-0.12241	0.00809
0.1232	-0.11592	0.01218	-0.0631	0.17344
0.01018	-0.01439	0.75637	0.205598	7.50E-06
4.86E-05	0.123899	0.00735	0.229972	5.06E-07
0.01705	-0.10537	0.02277	0.36799	2.01E-16
0.24723	-0.00738	0.87358	-0.14162	0.00216
3.48E-09	-0.24917	4.85E-08	-0.10226	0.02712
0.37393	-0.09361	0.04319	0.06589	0.15513
6.78E-05	0.051276	0.2688	0.260306	1.14E-08
0.00392	0.086319	0.06234	0.155319	0.00076
0.07148	-0.11896	0.01008	0.539398	1.31E-36
0.83095	-0.08599	0.06336	0.251135	3.78E-08
0.02304	-0.13861	0.00268	-0.01826	0.69397
0.61733	-0.15135	0.00104	0.182153	7.53E-05

0.03729	-0.08375	0.07059	0.070619	0.12753
0.40903	-0.04033	0.38456	-0.00294	0.94943
0.04559	0.072967	0.11532	-0.11999	0.00945
0.52592	-0.18714	4.71E-05	0.182918	7.01E-05
1.98E-06	-0.04374	0.34562	0.615437	5.12E-50
0.02037	0.040592	0.38145	0.178182	0.00011
0.00164	-0.04881	0.29254	-0.32152	1.08E-12
0.04673	0.118844	0.01016	0.246898	6.48E-08
0.82877	-0.1244	0.00711	0.236159	2.43E-07
1.44E-06	0.051392	0.26772	0.501893	3.64E-31
1.69E-05	0.014481	0.75496	0.463339	3.14E-26
5.16E-05	-0.03807	0.41179	0.328171	3.46E-13
0.31678	-0.08611	0.06299	0.470278	4.51E-27
0.03831	-0.00036	0.99378	0.080736	0.08135
0.00505	-0.19412	2.40E-05	0.00368	0.93678
0.00915	-0.05248	0.25772	0.257831	1.58E-08
0.00106	-0.02926	0.52823	0.287073	2.61E-10
0.23074	-0.0796	0.08574	0.226292	7.76E-07
0.00018	-0.02582	0.57775	0.626098	3.37E-52
4.39E-14	0.108153	0.0194	0.46435	2.37E-26
1.09E-07	0.126191	0.00632	0.397025	4.40E-19
0.04216	-0.13433	0.00363	0.513361	9.27E-33
0.1551	-0.0103	0.82423	0.197486	1.72E-05
0.05968	-0.04566	0.32483	0.081702	0.07776
2.51E-06	-0.17146	0.0002	-0.11779	0.01085
0.80407	-0.07899	0.08819	0.008669	0.85179
0.57437	-0.05648	0.22314	0.345965	1.41E-14
0.39365	-0.09102	0.04933	-0.08903	0.05454
0.07919	-0.07705	0.09631	-0.07183	0.12111
0.06639	0.050478	0.27633	0.302358	2.50E-11
0.3204	0.112724	0.0148	-0.06995	0.13118
0.01483	-0.1298	0.00496	0.175693	0.00014
0.03462	0.009785	0.83297	0.408518	3.28E-20
0.06899	0.06065	0.19075	0.251997	3.38E-08
5.77E-07	0.091364	0.04847	0.151713	0.00101
0.01089	0.019866	0.6685	0.153195	0.0009
3.25E-20	0.334991	1.04E-13	0.070418	0.12862
0.08955	-0.14712	0.00143	0.301543	2.84E-11
0.65332	-0.13341	0.00387	0.300996	3.10E-11
0.04642	0.028258	0.54242	0.095632	0.03885
0.68225	0.145459	0.00162	-0.00187	0.96788
0.10734	-0.04562	0.32526	-0.01548	0.73861
0.00053	0.023859	0.60705	0.478211	4.64E-28
0.57221	-0.03712	0.42351	0.081221	0.07953
0.04568	0.076526	0.09859	0.045878	0.32252



0.33871	-0.07558	0.10283	0.067149	0.14738
0.1394	-0.04542	0.32736	-0.05083	0.27299
0.41042	-0.05866	0.20578	-0.0285	0.53892
0.07231	-0.09797	0.0343	0.161654	0.00045
0.12444	0.121267	0.00871	-0.1167	0.01161
0.68493	-0.02979	0.52071	0.206171	7.06E-06
0.03427	0.108359	0.01917	-0.03767	0.41674
0.15611	-0.05909	0.20241	0.221785	1.30E-06
0.1805	-0.05944	0.19974	0.067036	0.14807
0.03885	0.004518	0.92243	0.015899	0.73184
0.57439	0.153207	0.0009	-0.03594	0.43846
0.0004	0.015435	0.73938	0.513316	9.41E-33
0.00249	0.057941	0.21137	0.366002	3.00E-16
9.06E-09	0.045199	0.32973	0.346802	1.21E-14
0.03648	-0.07762	0.09386	0.311304	5.94E-12
8.31E-05	0.038654	0.40462	0.516947	2.86E-33
0.66415	0.048662	0.294	0.018746	0.68617
6.13E-06	0.116132	0.01202	-0.41346	1.04E-20
0.00122	0.021973	0.63576	0.557979	1.43E-39
0.63903	-0.10946	0.01798	0.011148	0.81012
0.11514	0.05676	0.22084	0.058952	0.20349
0.86918	-0.01058	0.81968	0.059075	0.20255
0.75663	-0.07336	0.11338	0.33366	1.32E-13
0.06713	-0.00916	0.84352	0.396515	4.93E-19
0.62563	-0.03936	0.39614	0.121851	0.00839
0.60714	-0.05273	0.2554	0.183034	6.94E-05
0.25955	0.085273	0.0656	0.056908	0.21964
0.02428	-0.07766	0.0937	0.590584	3.06E-45
0.99743	-0.02297	0.62051	0.440676	1.31E-23
0.17907	0.090406	0.05088	0.267938	4.04E-09
0.14886	-0.05086	0.27267	0.268069	3.97E-09
0.54308	0.023086	0.61875	0.109264	0.01818
0.02657	-0.03177	0.49337	-0.01236	0.78987
0.86836	-0.06486	0.16169	0.126737	0.0061
0.16675	-0.01994	0.66735	0.084034	0.06963
0.06059	0.039885	0.38982	0.32326	8.06E-13
0.00039	-0.09085	0.04975	0.029695	0.52208
0.91929	0.046344	0.31763	0.034711	0.45426
0.01602	0.016563	0.7211	0.188531	4.13E-05
0.11709	0.14488	0.00169	-0.09849	0.03334
0.00477	0.08576	0.06406	-0.34681	1.21E-14
0.20572	0.033884	0.4651	0.109441	0.01799
0.30599	0.042776	0.35635	0.135007	0.00347
0.93357	-0.0074	0.87325	0.173755	0.00016
0.64883	0.017733	0.7023	-0.10307	0.02592

0.10722	-0.0131	0.77767	0.054915	0.23624
0.96426	-0.14363	0.00186	-0.0359	0.43897
0.00631	-0.06528	0.15902	0.246836	6.53E-08
0.11672	-0.11977	0.00958	0.169625	0.00023
0.02983	0.142572	0.00201	0.101988	0.02754
0.01434	0.024315	0.6002	0.160842	0.00048
0.66522	-0.03648	0.4316	0.189147	3.89E-05
0.00126	0.016183	0.72724	0.274541	1.61E-09
0.00126	0.059292	0.2009	0.121303	0.00869
0.01285	-0.0217	0.63991	0.19295	2.69E-05
0.00456	0.04702	0.3106	0.162679	0.00042
0.44081	-0.01429	0.75814	-0.00666	0.88593
0.35787	-0.00198	0.96589	0.032792	0.47961
0.18209	-0.05863	0.20596	0.264954	6.08E-09
0.87828	-0.04806	0.29998	-0.04496	0.33226
0.25531	-0.02092	0.65198	0.184234	6.20E-05
0.02152	0.021212	0.64751	0.13909	0.00259
0.10321	0.001022	0.98243	0.147005	0.00144
0.04546	0.080283	0.08308	-0.12775	0.0057
0.97937	0.084202	0.06907	-0.13398	0.00373
3.75E-05	0.068451	0.13967	0.104387	0.02407
0.04845	0.059052	0.20273	-0.0027	0.95356
0.2394	-0.05815	0.20976	-0.12067	0.00904
0.00173	0.07748	0.09445	0.146152	0.00154
0.96403	0.027862	0.54811	0.00906	0.84518
0.09794	-0.02034	0.66108	0.314863	3.31E-12
0.51619	0.022373	0.62962	-0.0127	0.78428
0.2091	-0.04748	0.30586	-0.07178	0.12139
0.17095	-0.03941	0.39548	0.264402	6.55E-09
0.48526	-0.0055	0.90563	0.081923	0.07696
0.18288	-0.01955	0.67355	0.070395	0.12875
0.93255	-0.02902	0.53158	-0.01343	0.77217
0.13587	-0.06775	0.14379	0.006688	0.88538
0.82398	-0.03969	0.3922	0.010554	0.82005
1.15E-07	-0.05286	0.25422	-0.29455	8.43E-11
2.40E-09	0.014998	0.7465	0.563319	1.86E-40
0.80098	0.004985	0.91444	0.05006	0.28032
0.88061	-0.11902	0.01004	0.154178	0.00083
0.05078	0.067883	0.14299	0.220747	1.46E-06
0.55539	0.082435	0.07513	-0.05772	0.21313
0.51997	-0.09386	0.04263	-0.02244	0.62865
0.17281	-0.00324	0.94433	-0.01193	0.79716
0.00476	0.02588	0.57693	-0.14103	0.00225
0.01014	-0.10039	0.03008	0.002703	0.95354
0.7849	0.006504	0.88852	-0.01435	0.75713

0.72452	-0.10534	0.0228	0.115887	0.01221
0.12334	-0.02221	0.63215	0.130751	0.00465
0.28858	0.081884	0.0771	0.086127	0.06293
0.2441	-0.04199	0.36521	0.163921	0.00038
0.41006	-0.04752	0.30551	0.161046	0.00048
0.96409	-0.13817	0.00277	0.088077	0.05718
0.07377	-0.09941	0.03172	-0.02045	0.65944
0.46066	0.052945	0.2535	0.000555	0.99046
0.17999	0.064991	0.16086	0.013521	0.77072
0.00031	0.053587	0.24778	0.128898	0.00528
0.07744	-0.10882	0.01866	0.06859	0.13887
0.89692	0.029473	0.5252	0.019706	0.67102
0.64662	0.050102	0.27993	0.074666	0.10708
0.80859	-0.08599	0.06335	0.054322	0.24134
0.53614	0.00851	0.85447	0.044983	0.33206
0.13365	-0.02226	0.63134	-0.03228	0.48649
0.02207	-0.10478	0.02354	-0.0718	0.12128
0.76791	0.103025	0.02599	-0.01858	0.68875
2.41E-08	-0.22181	1.29E-06	-0.22854	5.98E-07
0.38346	-0.08045	0.08245	-0.2061	7.12E-06
6.29E-08	0.065446	0.15795	0.193779	2.48E-05
0.02022	-0.1387	0.00267	-0.04418	0.34072
0.4511	0.055828	0.22853	0.017309	0.70909
0.79542	-0.07444	0.10815	0.041737	0.36816
0.705	-0.04592	0.32204	0.118312	0.0105
2.85E-10	0.338033	6.03E-14	0.099369	0.0318
0.00016	0.317605	2.10E-12	-0.13643	0.00313
0.25327	0.249793	4.49E-08	-0.30894	8.72E-12
0.12441	-0.03449	0.45711	-0.33102	2.10E-13
0.47199	0.113065	0.0145	-0.2121	3.76E-06
0.00116	0.025009	0.58983	0.25241	3.21E-08
0.61729	-0.03292	0.47785	0.026251	0.57148
0.05763	0.130616	0.0047	0.180674	8.63E-05
0.00833	-0.19241	2.84E-05	0.269666	3.18E-09
0.0009	-0.0319	0.49171	0.493838	4.41E-30
0.02562	-0.00975	0.83349	0.111442	0.01598
2.58E-05	0.381087	1.37E-17	-0.15954	0.00054
4.55E-05	0.082938	0.07336	0.064294	0.1654
0.0051	0.108492	0.01902	-0.25169	3.52E-08
0.40246	0.152684	0.00093	-0.20539	7.66E-06
0.0335	0.136665	0.00308	-0.04037	0.3841
2.07E-20	0.244042	9.26E-08	0.184491	6.05E-05
0.82557	-0.01558	0.73699	0.048146	0.29915
0.91509	-0.01171	0.80078	0.094851	0.04047
0.00419	0.042433	0.36022	0.267765	4.14E-09

5.08E-05	0.053596	0.24771	0.492983	5.73E-30
0.3171	-0.08059	0.08191	0.26879	3.59E-09
0.95901	-0.02363	0.61056	-0.26618	5.14E-09
0.80592	0.059044	0.20279	-0.26122	1.01E-08
0.59039	0.012938	0.78035	-0.22521	8.79E-07
0.05805	0.08794	0.05757	-0.11178	0.01566
1.06E-07	0.102831	0.02627	0.438764	2.14E-23
0.73962	-0.03787	0.41428	0.096477	0.03715
0.47268	-0.02471	0.59427	0.030242	0.51445
0.00052	0.017332	0.70872	0.347669	1.03E-14
0.01095	0.188133	4.29E-05	0.111442	0.01598
0.81066	0.065224	0.15936	-0.21154	4.00E-06
0.6412	-0.09403	0.04225	0.185051	5.74E-05
0.48217	-0.08058	0.08196	0.252169	3.31E-08
0.01653	-0.03451	0.45684	0.419854	2.29E-21
0.77466	0.041941	0.36582	-0.07674	0.09767
0.07379	0.028146	0.54403	0.204246	8.63E-06
0.77787	-0.00815	0.86061	0.02384	0.60734
0.60648	0.05342	0.24926	0.038194	0.41024
0.03185	0.106791	0.02099	0.030387	0.51244
0.97786	0.028963	0.5324	0.070826	0.12642
0.97838	0.143341	0.0019	-0.09375	0.04286
0.09934	-0.01537	0.74042	0.047525	0.30543
0.01526	-0.06267	0.17634	0.280363	6.98E-10
1.16E-11	0.28399	4.11E-10	0.415495	6.45E-21
0.01004	-0.05936	0.20036	0.420249	2.08E-21
0.22313	0.067296	0.14649	-0.05429	0.24161
0.31941	0.008976	0.8466	-0.006	0.89714
0.88709	-0.03596	0.43816	-0.0211	0.64922
0.00013	0.166938	0.00029	0.026447	0.56861
0.14407	0.09988	0.03092	0.140751	0.0023
0.03757	0.082743	0.07404	0.058695	0.20547
0.6369	-0.06978	0.13215	0.295798	6.95E-11
0.00503	0.053964	0.24446	0.010012	0.82916
0.01763	0.175091	0.00014	0.009259	0.84184
0.00022	-0.03558	0.44306	0.015828	0.73298
0.00495	-0.02592	0.57628	-0.05803	0.2107
0.66326	-0.07533	0.10399	0.214322	2.96E-06
0.02357	-0.09054	0.05054	0.367466	2.24E-16
0.09696	-0.00994	0.8303	0.02824	0.54269
0.41682	-0.02917	0.52946	0.168102	0.00026
0.40218	-0.00153	0.9737	-0.28977	1.74E-10
0.12721	-0.09915	0.03217	-0.09175	0.04752
0.242	0.015506	0.73822	-0.28403	4.09E-10
0.43534	-0.04587	0.32265	0.146415	0.00151

0.08317	0.048118	0.29944	0.02576	0.57871
0.11065	0.056799	0.22052	0.019099	0.68059
0.7943	0.012787	0.78286	0.363463	4.96E-16
0.24219	-0.03916	0.39846	0.191381	3.14E-05
0.63917	-0.0537	0.24674	-0.00876	0.85022
1.07E-09	0.101068	0.02897	0.427288	3.78E-22
0.00691	-0.10101	0.02906	0.312158	5.17E-12
0.20731	-0.01408	0.76157	0.128891	0.00528
0.85616	-0.09563	0.03885	0.198599	1.54E-05
0.10318	0.098084	0.03409	-0.03223	0.48723
0.49074	-0.07065	0.12735	-0.32771	3.74E-13
0.07579	-0.01664	0.71987	0.262767	8.17E-09
0.04695	-0.09321	0.04408	0.024524	0.59706
0.41792	-0.13808	0.00279	0.073539	0.1125
0.32418	0.08363	0.07098	-0.17802	0.00011
0.18529	-0.06887	0.13729	0.116837	0.01151
0.00025	-0.07554	0.10302	-0.27325	1.93E-09
0.78474	-0.11287	0.01467	0.419803	2.32E-21
0.02258	-0.1496	0.00118	0.006813	0.88326
0.00021	0.125471	0.00663	0.323646	7.55E-13
0.00072	0.05675	0.22092	-0.28741	2.48E-10
0.04802	0.003389	0.94177	0.200067	1.32E-05
0.01483	0.010012	0.82916	0.109889	0.01752
0.17096	0.013394	0.77282	-0.2976	5.27E-11
0.01855	-0.07927	0.08705	-0.27993	7.43E-10
0.77395	-0.15143	0.00103	0.066107	0.15378
0.64506	-0.04362	0.34693	0.22932	5.46E-07
0.00072	0.028806	0.53463	-0.22794	6.41E-07
0.0828	-0.13805	0.00279	0.517392	2.47E-33
0.8965	-0.07447	0.108	0.137417	0.00292
0.00432	-0.14241	0.00204	0.027762	0.54953
0.50284	0.100083	0.03058	0.066062	0.15406
0.00127	-0.05538	0.23228	-0.00304	0.94775
0.42102	0.10995	0.01746	-0.02442	0.59865
0.69674	0.066634	0.15052	-0.02533	0.5851
0.6964	0.160902	0.00048	-0.24052	1.43E-07
0.64108	-0.04027	0.38523	0.003321	0.94293
0.32723	-0.05446	0.24017	-0.00882	0.8493
0.32924	-0.07369	0.11174	-0.06563	0.15676
0.86926	0.021919	0.6366	-0.03968	0.39226
0.84189	-0.00963	0.83559	-0.01451	0.75454
0.04151	0.050918	0.27216	0.035611	0.44264
0.53573	-0.03421	0.46077	-0.04976	0.28321
0.59402	0.000524	0.99099	0.015502	0.73829
0.94721	-0.02305	0.61937	0.192141	2.91E-05

0.65346	-0.06931	0.13474	0.035838	0.43974
0.47724	0.023249	0.61627	0.072128	0.11958
0.19884	0.104251	0.02426	-0.34795	9.76E-15
0.55672	0.02467	0.59488	-0.1274	0.00583
0.00095	0.029636	0.52291	-0.17851	0.00011
0.69172	-0.02415	0.60263	0.202673	1.01E-05
0.33157	-0.02498	0.59019	0.282648	5.00E-10
0.70534	0.092891	0.04482	-0.21599	2.47E-06
0.04885	0.025327	0.5851	0.214145	3.02E-06
0.35754	-0.07598	0.10102	0.211235	4.13E-06
0.95698	0.197666	1.69E-05	-0.23262	3.71E-07
0.0071	-0.01348	0.77148	0.380568	1.53E-17
0.63831	-0.10384	0.02483	0.197708	1.68E-05
0.37763	0.124731	0.00696	-0.05786	0.21199
0.2618	-0.02355	0.61168	-0.13729	0.00295
0.19027	-0.05042	0.27683	0.266038	5.24E-09
2.02E-07	-0.12464	0.007	-0.25115	3.77E-08
0.50491	-0.0213	0.64611	0.093325	0.04383
0.82162	-0.0533	0.2503	0.078019	0.09217
2.35E-05	-0.09332	0.04383	-0.38322	8.75E-18
0.00149	0.178626	0.0001	-0.1061	0.02183
3.37E-05	-0.03674	0.42834	-0.36224	6.31E-16
0.59663	-0.1029	0.02617	-0.02816	0.54386
0.22113	-0.15712	0.00066	0.040249	0.3855
0.03034	-0.14314	0.00193	0.427625	3.48E-22
0.78135	-0.07163	0.12215	0.296521	6.22E-11
0.47683	-0.1111	0.01631	0.073698	0.11172
0.79836	-0.01732	0.70897	0.106568	0.02126
0.03503	-0.12946	0.00508	0.273071	1.98E-09
0.50497	0.013575	0.76985	-0.16283	0.00041
0.03786	-0.18326	6.79E-05	0.090177	0.05148
0.87571	-0.02593	0.5762	0.158775	0.00057
0.0005	-0.09232	0.04616	0.661996	3.29E-60
0.02232	-0.08571	0.06422	0.275477	1.41E-09
0.66994	-0.106	0.02197	0.298262	4.75E-11
3.93E-06	0.040098	0.38729	0.462556	3.90E-26
0.00055	0.020733	0.65496	0.495504	2.65E-30
0.2512	-0.17816	0.00011	0.115029	0.01287
0.58778	-0.15871	0.00058	0.115782	0.01229
0.00075	-0.04426	0.33987	0.521214	6.93E-34
1.91E-05	-0.09752	0.03514	-0.3646	3.95E-16
0.0202	-0.07965	0.08554	-0.25121	3.74E-08
0.00336	-5.48E-05	0.99906	0.272929	2.02E-09
0.43891	-0.0727	0.11664	0.083946	0.06992
1.11E-06	0.030874	0.50568	0.339202	4.88E-14

0.1568	0.080771	0.08122	0.283503	4.42E-10
4.72E-05	-0.04165	0.36919	0.318641	1.76E-12
0.00014	0.013409	0.77257	0.193038	2.67E-05
0.00223	-0.06294	0.1745	0.286023	3.05E-10
0.01278	-0.02281	0.62292	-0.04311	0.35264
0.43855	0.040635	0.38096	-0.02731	0.55608
0.18271	-0.00659	0.88706	0.141127	0.00224
0.33457	-0.02376	0.60859	0.164626	0.00035
0.67855	-0.03341	0.47143	0.2233	1.09E-06
0.09209	0.05893	0.20367	-0.1768	0.00012
0.66149	-0.09647	0.03717	0.465129	1.91E-26
0.00499	-0.00231	0.9603	-0.06769	0.14417
0.0002	-0.03272	0.48059	0.254136	2.56E-08
0.50226	-0.01045	0.82182	0.018524	0.68969
0.06192	0.052501	0.25751	-0.15798	0.00061
0.70319	0.045184	0.3299	-0.27229	2.21E-09
0.78006	0.029145	0.52983	0.032055	0.48954
0.26931	0.003575	0.93858	-0.24672	6.62E-08
0.17591	-0.04163	0.36934	0.172213	0.00018
0.70567	0.031573	0.4961	0.032154	0.4882
0.05256	-0.05634	0.22431	0.162365	0.00043
0.24048	-0.05217	0.26055	0.247623	5.91E-08
0.08513	-0.08762	0.05849	0.230658	4.67E-07
0.18766	-0.00163	0.97205	0.497397	1.48E-30
2.90E-05	-0.0916	0.04788	-0.36649	2.72E-16
3.91E-06	0.19988	1.35E-05	0.199464	1.41E-05
3.24E-05	-0.07448	0.10796	0.557602	1.65E-39
0.00013	-0.09756	0.03505	0.22122	1.38E-06
0.23636	0.101806	0.02782	0.142494	0.00202
7.11E-05	-0.0199	0.66798	0.563355	1.83E-40
0.04106	0.132836	0.00403	0.215426	2.62E-06
0.02449	0.006851	0.88261	0.102475	0.0268
0.01203	0.083903	0.07006	0.129486	0.00507
0.00475	0.145831	0.00158	-0.03424	0.4604
0.00656	0.120698	0.00903	0.099596	0.03141
0.74108	-0.00721	0.87657	0.086577	0.06156
0.98906	-0.05113	0.27012	0.108591	0.01891
0.57161	0.040087	0.38742	0.170198	0.00022
0.88493	0.003322	0.94292	0.129458	0.00508
0.42528	-0.02346	0.61313	0.093821	0.04271
0.07024	-0.11347	0.01415	0.463154	3.30E-26
0.09221	0.053532	0.24827	0.103939	0.02469
0.15863	-0.06012	0.19467	0.225731	8.28E-07
0.31586	-0.05704	0.21857	0.304894	1.67E-11
0.7006	-0.08071	0.08146	0.36539	3.38E-16

0.38887	-0.05238	0.25864	0.119588	0.00969
0.83422	-0.09461	0.04098	0.159132	0.00056
0.6314	-0.10092	0.02921	0.25678	1.81E-08
0.00508	-0.10055	0.0298	0.309444	8.04E-12
0.00048	-0.03064	0.50889	0.335313	9.82E-14
4.53E-07	0.180831	8.50E-05	0.200408	1.28E-05
0.39165	0.128454	0.00544	0.288136	2.22E-10
0.46575	-0.00798	0.8635	0.272081	2.27E-09
0.00069	0.086885	0.06064	0.170149	0.00022
0.22499	0.007759	0.86719	0.042032	0.36478
0.00125	0.196612	1.87E-05	-0.25851	1.44E-08
0.73305	-0.01071	0.81737	0.12744	0.00582
0.00025	0.024411	0.59876	0.633305	1.01E-53
0.00098	0.132046	0.00426	0.248271	5.44E-08
0.60147	0.022172	0.63271	0.208884	5.31E-06
0.8072	0.027208	0.55754	0.04596	0.32165
0.73529	-0.09792	0.03438	0.245554	7.67E-08
0.00077	-0.04309	0.35279	-0.31619	2.65E-12
0.01059	-0.13443	0.00361	-0.32477	6.22E-13
0.00029	-0.03658	0.43035	-0.23666	2.29E-07
0.04733	-0.00757	0.87033	-0.0066	0.88693
0.02537	-0.04482	0.33382	0.185996	5.26E-05
0.26406	0.081063	0.08012	0.322632	8.97E-13
0.14924	0.112486	0.01501	0.002322	0.96009
0.19054	0.100837	0.02934	-0.13364	0.00381
0.01587	0.031819	0.49275	0.190417	3.44E-05
0.58937	-0.09238	0.04602	0.11486	0.013
0.38604	-0.08365	0.0709	0.223703	1.04E-06
0.79972	-0.1384	0.00272	0.26161	9.55E-09
0.08539	-0.01214	0.79357	0.201185	1.18E-05
0.73196	-0.02919	0.52922	0.118933	0.0101
0.29655	0.036796	0.4276	0.353558	3.39E-15
0.57274	-0.051	0.27135	0.047775	0.30289
0.90634	-0.08501	0.06644	0.314482	3.53E-12
0.71927	-0.134	0.00372	0.113796	0.01387
2.71E-05	0.047855	0.30208	0.573264	3.77E-42
0.00471	-0.06553	0.15743	0.37811	2.55E-17
0.12448	-0.10118	0.02879	0.474064	1.53E-27
0.08639	-0.27492	1.52E-09	0.265847	5.38E-09
0.00071	0.053449	0.249	-0.0176	0.70444
4.88E-07	-0.13161	0.00439	0.466152	1.44E-26
0.00027	-0.05121	0.26944	0.326628	4.52E-13
0.49395	0.004718	0.91901	-0.1726	0.00018
0.11617	0.01338	0.77306	0.114831	0.01303
0.00532	0.059836	0.19679	0.328577	3.22E-13



0.00581	0.231606	4.18E-07	-0.33746	6.68E-14
0.07965	-0.08286	0.07362	0.047431	0.30639
8.08E-05	-0.04928	0.28792	-0.30949	7.98E-12
0.69518	-0.04869	0.29375	0.036624	0.42977
0.78164	-0.0394	0.39559	0.100234	0.03033
0.0518	-0.02153	0.64267	-0.19262	2.78E-05
0.01854	0.014293	0.75804	-0.26754	4.27E-09
0.09805	0.044008	0.34265	0.083637	0.07096
0.29712	-0.10033	0.03017	0.001892	0.96748
0.44961	-0.06392	0.1679	0.373994	5.96E-17
0.38332	-0.03947	0.39473	0.224273	9.78E-07
2.04E-14	0.253976	2.62E-08	0.255658	2.10E-08
0.02781	-0.10747	0.02019	-0.34176	3.06E-14
0.03659	0.006635	0.88628	0.298711	4.43E-11
0.45764	-0.01088	0.81459	0.129611	0.00503
0.00212	-0.12053	0.00913	0.559025	9.62E-40
5.87E-14	0.108527	0.01898	0.456089	2.27E-25
0.00234	-0.11119	0.01623	0.495793	2.42E-30
0.56901	-0.06278	0.17562	0.237635	2.03E-07
0.24227	-0.09916	0.03217	-0.07137	0.12355
0.6925	0.112493	0.01501	-0.36282	5.63E-16
0.02815	0.050287	0.27815	-0.09807	0.03411
0.7969	0.004313	0.92593	0.195032	2.19E-05
0.18512	0.16536	0.00033	-0.02286	0.62212
0.59572	0.202148	1.07E-05	-0.14495	0.00169
0.42223	0.236795	2.25E-07	0.039286	0.39698
0.5148	0.001368	0.97648	-0.12972	0.00499
0.76661	-0.02812	0.54445	0.28944	1.83E-10
0.03025	-0.11554	0.01247	0.100917	0.02922
0.22288	-0.14329	0.00191	0.208102	5.77E-06
1.02E-07	-0.11686	0.01149	-0.2753	1.44E-09
0.47131	-0.08452	0.06801	-0.01801	0.69793
0.04982	-0.06459	0.16347	0.330419	2.33E-13
0.14025	0.032877	0.47847	0.045258	0.3291
9.00E-06	-0.04998	0.28106	0.568415	2.56E-41
0.11334	-0.07245	0.11795	0.029719	0.52175
0.00926	0.010167	0.82655	-0.32496	6.02E-13
0.00284	0.182979	6.97E-05	0.140224	0.00239
0.27409	-0.02836	0.54098	0.137154	0.00298
0.07135	0.101775	0.02786	-0.07634	0.09942
1.51E-08	0.011965	0.7965	0.434931	5.65E-23
0.0058	0.099368	0.0318	0.326293	4.79E-13
0.01779	0.065407	0.15819	0.192797	2.73E-05
0.2089	-0.14256	0.00201	0.14107	0.00225
0.00063	-0.11048	0.01692	0.474816	1.24E-27

2.24E-05	-0.19121	3.19E-05	0.006285	0.89224
0.04066	-0.13931	0.00255	0.035258	0.44719
2.81E-05	0.145772	0.00159	0.296414	6.32E-11
2.32E-09	-0.02184	0.63787	0.373905	6.07E-17
0.64285	-0.08573	0.06415	0.379159	2.05E-17
0.00027	0.024665	0.59496	0.393025	1.06E-18
0.69104	0.21093	4.27E-06	-0.22351	1.07E-06
0.02735	-0.01657	0.72102	0.122154	0.00823
1.38E-07	0.315015	3.23E-12	-0.0002	0.99657
0.28244	0.00207	0.96441	0.261046	1.03E-08
2.48E-06	0.032941	0.47762	0.353178	3.64E-15
0.1588	-0.03406	0.46277	-0.02898	0.53212
0.52268	0.018979	0.68248	0.184066	6.30E-05
0.00537	-0.02699	0.56063	-0.16415	0.00037
0.14363	-0.07309	0.11471	0.162154	0.00043
0.12736	-0.05439	0.24075	0.143529	0.00187
0.00121	-0.01905	0.68139	0.534224	8.10E-36
0.07808	-0.02938	0.52649	0.275399	1.42E-09
0.83382	-0.09607	0.03796	0.275264	1.45E-09
4.56E-06	0.05103	0.2711	0.42886	2.57E-22
0.30642	-0.0012	0.9793	-0.16011	0.00051
0.12686	0.030485	0.51107	-0.2917	1.30E-10
0.04462	0.011031	0.81207	0.036817	0.42734
0.12076	0.044546	0.33679	-0.06814	0.1415
0.56438	0.073178	0.11427	0.050971	0.27165
0.00021	0.025705	0.57952	0.379669	1.84E-17
0.62345	0.103815	0.02486	0.261415	9.80E-09
3.43E-14	0.39617	5.32E-19	0.264573	6.40E-09
0.76971	-0.12751	0.00579	0.028293	0.54193
5.41E-09	-0.14705	0.00144	-0.34274	2.56E-14
0.01075	-0.21879	1.81E-06	-0.01745	0.70679
0.00137	-0.06267	0.17638	0.577902	5.84E-43
0.60569	-0.06265	0.1765	-0.08324	0.07232
0.6107	0.086373	0.06218	0.024498	0.59745
0.44747	-0.03541	0.4452	-0.21024	4.60E-06
0.45955	-0.0725	0.11768	-0.09386	0.04263
0.17605	0.082536	0.07477	0.005785	0.90077
0.65312	0.025585	0.58129	0.013531	0.77056
0.46418	0.012513	0.7874	-0.03738	0.4203
0.01181	0.012313	0.79072	-0.32049	1.29E-12
0.86402	-0.05103	0.27112	0.10715	0.02056
0.28387	0.038162	0.41064	-0.04281	0.35592
0.00019	0.097253	0.03564	0.410767	1.95E-20
0.90415	-0.0431	0.35272	0.12613	0.00635
9.73E-06	0.208469	5.55E-06	0.391046	1.64E-18

0.82946	-0.16705	0.00029	0.253554	2.76E-08
0.06463	0.012152	0.79339	0.068229	0.14096
0.29885	-0.05283	0.25456	-0.09666	0.03678
0.56544	-0.08543	0.0651	0.279283	8.16E-10
0.89092	-0.05229	0.25939	0.274786	1.55E-09
2.59E-05	-0.06199	0.18115	-0.26016	1.16E-08
1.71E-08	0.058662	0.20574	0.42604	5.13E-22
0.00441	0.001316	0.97737	0.029372	0.52663
0.31849	0.041776	0.36771	-0.06327	0.17225
0.65935	0.009894	0.83114	0.026263	0.57131
0.02612	-0.0364	0.43262	0.381925	1.15E-17
0.31368	-0.03822	0.40996	0.107099	0.02062
1.98E-05	0.029855	0.51985	0.557601	1.65E-39
0.00283	0.076933	0.09681	0.422287	1.28E-21
4.47E-05	-0.04537	0.32789	0.331542	1.92E-13
0.20434	-0.02567	0.58005	0.226433	7.63E-07
0.13784	-0.08875	0.05528	0.126753	0.00609
0.00032	-0.01392	0.76418	-0.22625	7.80E-07
0.83876	-0.06213	0.18015	0.270789	2.72E-09
0.02147	0.06039	0.19267	0.15353	0.00087
0.01244	0.053234	0.25092	0.239177	1.69E-07
0.00102	0.013162	0.77665	-0.20765	6.05E-06
0.64425	-0.10994	0.01747	0.25034	4.18E-08
0.89045	-0.04963	0.28453	0.143402	0.00189
3.54E-05	0.031183	0.50143	-0.24737	6.11E-08
0.00079	-0.07411	0.10971	0.054444	0.24029
4.20E-05	0.073438	0.11299	0.331882	1.80E-13
0.23939	-0.08381	0.07037	0.013156	0.77676
0.26212	-0.20037	1.28E-05	0.170497	0.00021
0.16485	-0.21625	2.40E-06	0.297009	5.77E-11
0.65603	0.085566	0.06467	-0.04356	0.34757
0.28466	0.017985	0.69827	0.061684	0.18329
0.00071	-0.04489	0.33309	-0.0604	0.19259
0.12029	-0.03989	0.3898	-0.22194	1.27E-06
0.72375	-0.06072	0.19022	0.234976	2.80E-07
0.21779	-0.09966	0.03129	0.55768	1.60E-39
0.01398	-0.0456	0.32544	0.27771	1.02E-09
0.16054	0.030661	0.50863	0.286118	3.00E-10
0.08029	0.075388	0.10372	0.265576	5.58E-09
6.25E-12	0.269712	3.16E-09	0.327517	3.87E-13
8.68E-06	0.217868	2.01E-06	0.444182	5.32E-24
3.38E-05	-0.16403	0.00037	-0.31404	3.79E-12
0.07982	-0.07956	0.08591	0.113437	0.01418
7.76E-07	0.243082	1.04E-07	0.151071	0.00106
0.50656	0.086118	0.06296	0.063975	0.16752

0.0962	0.055131	0.2344	0.186127	5.19E-05
7.16E-06	-0.04588	0.32249	0.583328	6.35E-44
0.2148	-0.07389	0.11078	0.056617	0.22201
0.24673	-0.05956	0.19887	0.004439	0.92378
0.86708	-0.02424	0.6013	0.040751	0.37959
0.35279	-0.05295	0.25349	0.007021	0.87972
8.95E-07	0.00073	0.98745	0.550708	2.17E-38
0.27262	0.081522	0.07842	0.015494	0.73842
0.00013	0.124721	0.00696	0.135259	0.0034
0.01917	0.000985	0.98306	-0.25466	2.40E-08
0.00445	-0.02841	0.54032	0.117829	0.01082
0.00016	0.104108	0.02446	-0.00779	0.86658
0.0019	0.159422	0.00054	0.087125	0.05993
0.09593	-0.07246	0.11789	-0.01872	0.68666
0.02079	0.074023	0.11014	0.339144	4.93E-14
0.43981	-0.04954	0.28536	0.380951	1.41E-17
0.0009	-0.13582	0.00327	0.122786	0.0079
0.00016	-0.05062	0.27499	-0.33855	5.49E-14
0.40004	-0.07965	0.08555	0.301868	2.70E-11
0.01359	-0.09431	0.04164	0.306603	1.27E-11
0.00179	-0.09235	0.04609	0.025148	0.58777
0.19592	-0.01019	0.82623	0.228377	6.10E-07
0.69755	0.000524	0.99098	0.08423	0.06897
0.40834	-0.07761	0.09388	0.074483	0.10794
0.0014	0.123271	0.00765	0.136079	0.00321
0.32436	0.034253	0.46024	0.016375	0.72414
0.77958	-0.00231	0.96023	-0.04566	0.32487
8.27E-14	0.121714	0.00846	0.493071	5.57E-30
0.01699	-0.06661	0.15067	0.20088	1.22E-05
0.00457	-0.05338	0.24961	0.063587	0.17012
0.21974	0.042993	0.35391	0.066102	0.15381
0.09461	-0.04898	0.29081	0.074505	0.10784
0.34578	0.041745	0.36808	0.245085	8.13E-08
0.89334	-0.16744	0.00028	0.074987	0.10557
0.01211	-0.04122	0.37416	-0.0565	0.22301
0.0636	-0.07522	0.10449	0.205485	7.59E-06
0.07876	-0.05387	0.24532	0.434886	5.72E-23
0.02375	-0.03479	0.45324	0.000609	0.98953
0.02716	-0.17359	0.00016	0.662083	3.13E-60
0.17496	-0.08322	0.07239	0.016812	0.71708
0.16135	0.025054	0.58916	0.258012	1.54E-08
0.00056	0.074509	0.10782	0.410454	2.10E-20
0.3126	-0.04052	0.38226	0.266302	5.06E-09
1.22E-09	0.205592	7.50E-06	0.495309	2.81E-30
0.00012	-0.10673	0.02107	0.102573	0.02666

5.18E-08	-0.00718	0.87699	0.560615	5.25E-40
0.41441	-0.14377	0.00184	0.306517	1.29E-11
0.00091	0.173524	0.00016	-0.16873	0.00025
0.95003	0.172588	0.00018	0.022573	0.62657
0.00076	0.180894	8.45E-05	0.309795	7.60E-12
0.13144	0.060413	0.19249	0.120265	0.00928
0.39604	0.110425	0.01698	-0.15048	0.00111
0.28257	0.200438	1.28E-05	-0.24819	5.50E-08
9.10E-05	0.145882	0.00157	0.380811	1.45E-17
0.17131	0.057195	0.21731	0.021411	0.64443
0.6807	-0.1063	0.02159	-0.10185	0.02775
6.05E-06	-0.13909	0.00259	-0.00605	0.8963
0.00065	0.00285	0.95101	0.525089	1.88E-34
0.14281	-0.04495	0.33245	0.083367	0.07188
0.80415	0.026945	0.56136	-0.16445	0.00036
0.32512	-0.02972	0.52174	-0.18555	5.48E-05
0.61032	-0.03857	0.40564	0.222827	1.15E-06
0.49137	0.026889	0.56217	-0.13091	0.0046
0.40832	-0.06581	0.15567	0.057296	0.2165
0.27033	-0.05893	0.20367	0.455916	2.38E-25
0.62044	-0.1347	0.00354	0.301986	2.65E-11
0.06858	-0.14124	0.00222	0.314503	3.51E-12
5.57E-08	-0.06828	0.14065	0.537965	2.17E-36
0.94064	-0.05247	0.25782	0.17357	0.00016
0.46496	-0.09463	0.04094	0.275137	1.48E-09
0.60461	-0.06852	0.13925	0.157961	0.00061
0.04835	-0.00513	0.91201	0.20786	5.91E-06
0.04446	-0.07967	0.08546	-0.02051	0.65845
0.67188	-0.06488	0.1616	0.109325	0.01811
0.61974	-0.02789	0.54774	0.077627	0.09383
0.16351	-0.00185	0.96827	0.168139	0.00026
0.02486	0.030702	0.50807	0.079706	0.08533
0.00206	-0.23784	1.98E-07	0.149095	0.00123
0.00208	-0.2061	7.12E-06	-0.04278	0.35626
0.06079	0.032509	0.48341	0.124934	0.00687
0.44159	-0.08422	0.069	0.367974	2.02E-16
0.18409	0.049025	0.29041	0.222825	1.15E-06
0.20025	-0.0318	0.49299	0.117349	0.01115
0.37437	0.040429	0.38337	-0.32772	3.74E-13
0.00539	-0.01177	0.79981	0.045324	0.3284
0.42531	0.204512	8.39E-06	-0.22303	1.13E-06
4.87E-06	-0.00557	0.9044	-0.16208	0.00044
0.16504	-0.04409	0.34177	0.024113	0.60323
0.05389	0.073022	0.11505	-0.35845	1.32E-15
0.6527	-0.00502	0.9139	0.01691	0.7155

0.00014	0.023975	0.60531	0.409781	2.45E-20
0.66581	-0.0858	0.06394	0.270275	2.92E-09
0.74439	0.228154	6.26E-07	-0.25638	1.91E-08
9.53E-05	0.091126	0.04906	0.447868	2.03E-24
0.0007	0.043209	0.35149	0.172862	0.00017
1.88E-06	0.112127	0.01534	0.0957	0.03871
0.01189	-0.0038	0.93481	0.208889	5.31E-06
0.00232	0.003578	0.93852	0.27056	2.81E-09
0.07681	-0.05865	0.20584	0.193135	2.64E-05
0.60894	-0.08644	0.06197	0.215774	2.53E-06
0.67891	-0.06038	0.19275	0.115769	0.0123
0.33102	-0.04705	0.31029	0.075175	0.1047
0.26633	-0.01479	0.74982	0.042849	0.35553
0.04333	0.018899	0.68375	0.108172	0.01938
0.31392	-0.10517	0.02303	0.173676	0.00016
0.85357	-0.07704	0.09633	0.260955	1.04E-08
0.34691	-0.16751	0.00028	0.289191	1.90E-10
0.10196	-0.11633	0.01188	0.297712	5.17E-11
1.29E-06	-0.00583	0.89995	-0.08855	0.05586
0.01033	-0.07351	0.11264	-0.04478	0.33424
0.99479	0.041557	0.37023	-0.08521	0.06579
0.01355	-0.00453	0.92231	0.250185	4.27E-08
0.2056	0.095415	0.03929	-0.2226	1.18E-06
0.22326	-0.03734	0.42075	0.380642	1.50E-17
0.10381	-0.0841	0.06941	0.154885	0.00078
0.15814	-0.04829	0.29771	0.002898	0.9502
0.2831	0.014629	0.75253	0.101763	0.02788
0.24435	-0.01381	0.76596	0.123708	0.00744
5.55E-05	0.170543	0.00021	0.259486	1.27E-08
4.67E-06	0.103352	0.02552	0.41285	1.20E-20
0.17513	0.081039	0.08021	0.193951	2.44E-05
0.00323	0.112089	0.01538	-0.08943	0.05345
0.00509	-0.08665	0.06135	-0.14717	0.00143
0.07219	0.022987	0.62025	0.204232	8.64E-06
0.57229	0.078466	0.09032	0.128469	0.00543
0.00781	0.007208	0.87654	0.357826	1.49E-15
0.68952	-0.05198	0.2623	0.049825	0.28259
0.28537	-0.0643	0.16538	0.093884	0.04257
0.94432	-0.00016	0.99729	-0.01337	0.77318
0.53819	-0.02045	0.65936	0.015269	0.74209
0.00679	0.045669	0.32473	0.305733	1.46E-11
0.84381	0.006221	0.89334	-0.01393	0.76396
0.87465	-0.07214	0.11949	0.092184	0.04648
0.27388	-0.09321	0.04408	0.276853	1.16E-09
0.50559	0.030949	0.50466	-0.04032	0.38471

0.00118	-0.026	0.57512	0.439739	1.67E-23
0.08055	-0.04164	0.36926	0.436138	4.17E-23
6.17E-06	-0.02484	0.59238	0.603403	1.19E-47
0.14177	0.091211	0.04885	-0.01541	0.73982
0.00376	0.009914	0.8308	0.156676	0.00068
2.13E-05	0.015669	0.73557	0.256686	1.84E-08
0.96275	-0.0321	0.489	-0.07075	0.12683
0.45451	-0.04916	0.28904	0.000436	0.99251
0.29385	-0.01152	0.80399	0.272003	2.30E-09
0.10837	-0.03777	0.41544	0.208494	5.53E-06
0.32633	-0.09257	0.04558	0.197239	1.76E-05
0.43175	-0.0527	0.25566	0.03396	0.46409
0.63175	-0.06942	0.13416	-0.03921	0.39785
0.69655	-0.01274	0.78368	0.386152	4.69E-18
0.02686	-0.00525	0.90984	0.212924	3.44E-06
0.22748	-0.11531	0.01265	0.271647	2.41E-09
0.49854	-0.00715	0.87749	0.160294	0.00051
0.95788	-0.07591	0.10132	0.081544	0.07834
1.81E-06	0.066349	0.15227	0.5749	1.96E-42
0.71995	-0.10034	0.03016	0.089325	0.05373
0.38291	-0.04331	0.35033	0.447658	2.15E-24
8.55E-06	0.014949	0.7473	0.166115	0.00031
0.13095	0.018597	0.68854	0.084793	0.06713
0.69254	-0.00706	0.87912	-0.03961	0.39315
0.92876	0.166573	0.0003	-0.10327	0.02563
0.00025	-0.0221	0.63375	0.382628	9.91E-18
0.83176	0.159183	0.00055	-0.36631	2.82E-16
0.00022	0.031707	0.49428	0.029705	0.52194
0.4568	0.045069	0.33113	0.060656	0.19071
0.03196	0.055753	0.22916	-0.34577	1.46E-14
0.52	-0.00113	0.98057	0.16451	0.00036
0.30957	-0.04965	0.28428	0.111531	0.0159
0.00519	0.010838	0.8153	0.611017	3.89E-49
0.60796	-0.0078	0.8665	0.273656	1.82E-09
0.0013	-0.0958	0.03851	-0.15532	0.00076
0.69389	-0.07442	0.10825	0.257125	1.73E-08
0.25936	0.205094	7.90E-06	-0.30665	1.26E-11
0.26612	0.118578	0.01033	-0.06601	0.15438
0.17201	0.142937	0.00196	0.128177	0.00554
0.76487	-0.07529	0.10418	0.231324	4.32E-07
0.53093	-0.04865	0.29414	0.229092	5.61E-07
0.01142	-0.04638	0.31725	0.294634	8.32E-11
0.78645	-0.08187	0.07716	0.313445	4.18E-12
7.24E-05	-0.01978	0.66988	-0.04632	0.31788
1.64E-08	0.073619	0.1121	0.497658	1.36E-30

0.30487	-0.0547	0.23809	0.097709	0.03478
0.92992	-0.14788	0.00135	0.345639	1.50E-14
0.29027	-0.14825	0.00131	0.352417	4.21E-15
0.00903	-0.10513	0.02308	0.459435	9.17E-26
0.11542	-0.04389	0.34392	0.331689	1.87E-13
0.17578	-0.07582	0.10177	0.095621	0.03887
0.04806	-0.02501	0.5898	-0.21824	1.93E-06
0.66671	-0.1018	0.02783	0.232279	3.86E-07
0.31861	-0.10594	0.02204	0.285057	3.51E-10
0.00346	0.032401	0.48486	0.138005	0.0028
0.15691	0.026179	0.57254	0.037253	0.42188
0.00048	-0.04251	0.35932	0.298617	4.50E-11
0.12514	0.088715	0.05539	-0.19681	1.84E-05
0.10332	-0.02836	0.54093	0.317825	2.02E-12
0.02035	0.193926	2.45E-05	0.156484	0.00069
0.01157	0.061171	0.18697	0.157595	0.00063
1.31E-06	-0.04576	0.32374	0.64944	2.77E-57
0.7041	-0.15956	0.00054	0.226385	7.68E-07
0.00024	0.089033	0.05452	0.231992	3.99E-07
0.01195	0.023639	0.61036	-0.12264	0.00797
0.20565	0.149662	0.00118	-0.27251	2.14E-09
0.12505	-0.07735	0.09499	0.423811	8.82E-22
0.96456	-0.02244	0.6286	0.29476	8.16E-11
0.97692	-0.03029	0.51378	0.061426	0.18513
0.17498	-0.01796	0.69875	0.252034	3.37E-08
0.00472	-0.04933	0.2874	0.079257	0.08711
1.54E-07	0.239247	1.67E-07	0.372425	8.22E-17
1.02E-08	-0.11524	0.0127	0.013216	0.77576
0.86918	-0.16491	0.00035	0.370264	1.27E-16
1.11E-05	0.038711	0.40393	0.462397	4.07E-26
0.08683	-0.20241	1.04E-05	0.082088	0.07637
0.09814	0.032698	0.48087	-0.11393	0.01376
0.3941	0.021781	0.63873	0.017221	0.7105
0.83601	0.065027	0.16063	0.066798	0.14951
0.68986	-0.00444	0.92377	0.144564	0.00174
0.62315	0.134475	0.0036	0.164336	0.00036
0.05968	-0.0931	0.04435	-0.12354	0.00752
0.43319	-0.08455	0.06793	0.337124	7.10E-14
0.18368	0.109746	0.01767	0.306445	1.30E-11
0.00015	0.154184	0.00083	0.030606	0.5094
0.00616	-0.05677	0.22073	0.348312	9.12E-15
0.35926	0.025719	0.57931	0.008039	0.86245
0.00192	-0.0373	0.42129	0.484978	6.36E-29
0.00976	-0.11109	0.01632	0.562593	2.46E-40
0.32498	0.044164	0.34094	0.135062	0.00345



3.46E-07	0.100163	0.03045	0.144314	0.00177
0.12798	0.066769	0.14969	-0.1517	0.00101
0.11969	-0.03546	0.44458	0.174935	0.00014
0.01519	-0.0486	0.29461	-0.1246	0.00702
0.14889	-0.00281	0.95174	-0.04616	0.31952
0.55851	-0.1552	0.00076	0.291011	1.44E-10
0.45047	-0.20055	1.26E-05	0.242842	1.08E-07
0.00587	-0.04529	0.32874	0.440052	1.54E-23
0.6475	0.078383	0.09066	0.191004	3.25E-05
0.00093	0.093593	0.04322	0.538875	1.57E-36
0.05667	0.083843	0.07026	-0.22822	6.21E-07
0.92992	-0.03229	0.48636	0.256582	1.86E-08
5.21E-10	0.152365	0.00096	0.456249	2.18E-25
0.42309	-0.03508	0.44943	0.339543	4.59E-14
0.15447	0.048739	0.29323	-0.11855	0.01035
0.72373	-0.08694	0.06046	0.223426	1.08E-06
0.48251	-0.02009	0.66494	0.079966	0.08431
0.48252	-0.04579	0.32342	-0.03031	0.51344
3.56E-06	0.045168	0.33007	0.383771	7.78E-18
0.24102	-0.00418	0.92827	-0.19207	2.93E-05
0.73298	-0.02886	0.53383	0.410791	1.94E-20
0.08068	0.085275	0.06559	-0.26623	5.10E-09
0.33055	0.036777	0.42784	0.135333	0.00339
0.00155	-0.01252	0.78734	0.45714	1.71E-25
0.95197	0.00971	0.83424	-0.00174	0.97011
0.70869	-0.01296	0.78002	0.264271	6.67E-09
0.15241	0.027868	0.54802	0.126838	0.00606
0.56718	-0.10332	0.02557	0.228545	5.98E-07
0.58752	-0.03999	0.3886	0.132127	0.00423
0.2478	-0.08659	0.06153	0.33828	5.76E-14
0.08098	0.099887	0.03091	-0.00096	0.98355
0.58912	0.008754	0.85035	-0.0524	0.25844
0.19937	0.043045	0.35333	0.292492	1.15E-10
0.15234	0.053289	0.25043	0.129209	0.00517
0.1702	0.143542	0.00187	-0.32794	3.60E-13
8.11E-06	0.219276	1.72E-06	0.202432	1.04E-05
0.3649	0.151285	0.00104	-0.03485	0.45239
0.02127	0.197604	1.70E-05	-0.04283	0.35569
0.54588	-0.07832	0.09092	0.196878	1.83E-05
0.47232	-0.00111	0.98091	-0.23091	4.53E-07
2.62E-09	0.093667	0.04305	0.286434	2.87E-10
0.01687	0.062418	0.17812	0.281631	5.81E-10
0.02853	-0.04117	0.37474	0.282308	5.26E-10
5.26E-09	0.360287	9.25E-16	-0.11517	0.01276
0.23999	-0.10189	0.02769	0.223919	1.02E-06

0.00544	-0.12085	0.00894	-0.30532	1.56E-11
0.05156	-0.03897	0.40077	0.097618	0.03495
2.58E-05	-0.16611	0.00031	-0.25986	1.21E-08
0.4465	0.015195	0.74329	0.114907	0.01296
0.02602	-0.10721	0.02048	0.035573	0.44313
0.79357	0.060422	0.19243	-0.03065	0.50882
0.85319	-0.117	0.01139	0.404117	8.97E-20
0.35731	-0.15689	0.00067	0.311927	5.37E-12
0.96682	-0.12015	0.00935	0.161351	0.00046
0.57367	0.089707	0.05271	0.247848	5.74E-08
0.10375	-0.1572	0.00065	0.271464	2.48E-09
0.22154	-0.06407	0.16691	0.125061	0.00681
0.05137	-0.07951	0.08608	0.103957	0.02467
0.09294	0.047393	0.30678	0.08593	0.06354
0.03487	-0.14277	0.00198	0.022544	0.62701
0.10078	0.029142	0.52987	-0.00947	0.83823
0.0566	-0.009	0.84619	0.000148	0.99746
0.20147	-0.08764	0.05841	0.063627	0.16985
0.73714	-0.07023	0.12963	0.025478	0.58287
4.28E-05	-0.01392	0.76424	-0.39517	6.64E-19
0.37185	-0.02483	0.59251	0.168369	0.00026
0.01778	-0.03551	0.44398	-0.01429	0.75809
0.05152	0.216688	2.29E-06	-0.08944	0.05343
0.83984	-0.00774	0.86754	0.036209	0.43501
0.00012	0.202769	1.01E-05	0.263559	7.34E-09
0.39902	-0.13893	0.00262	0.261548	9.63E-09
0.12555	-0.08284	0.07371	-0.29487	8.02E-11
0.03662	0.064964	0.16104	0.193135	2.64E-05
0.00818	0.048155	0.29906	0.355466	2.35E-15
0.60891	0.117438	0.01109	-0.01097	0.81304
0.02498	0.003093	0.94684	-0.07457	0.10755
2.27E-05	0.119792	0.00957	0.129765	0.00498
0.03159	0.022382	0.6295	0.079998	0.08419
0.00099	0.094214	0.04185	0.077555	0.09413
0.41068	0.220489	1.50E-06	-0.14688	0.00146
0.39051	-0.06934	0.13458	0.056779	0.22069
0.0129	0.019241	0.67834	0.386931	3.97E-18
1.80E-05	0.154479	0.00081	0.264974	6.06E-09
0.09045	0.10102	0.02905	-0.11432	0.01344
0.41383	-0.1028	0.02632	0.136924	0.00303
3.47E-08	-0.05176	0.26434	0.480701	2.25E-28
0.01155	-0.15357	0.00087	-0.36684	2.53E-16
1.22E-19	0.111561	0.01587	0.55454	5.22E-39
5.94E-07	0.042665	0.3576	0.021728	0.63955
0.00056	-0.03864	0.40476	0.360735	8.47E-16

1.88E-09	0.260016	1.18E-08	0.128885	0.00528
0.08454	0.109204	0.01824	-0.15927	0.00055
0.24089	0.067878	0.14302	-0.25758	1.63E-08
0.07767	0.02974	0.52146	0.165052	0.00034
0.05993	-0.02536	0.58462	0.203247	9.57E-06
0.96002	-0.00748	0.87201	0.049126	0.28941
0.29629	0.153111	0.0009	-0.13639	0.00314
0.86928	-0.04308	0.35289	0.137758	0.00285
0.11612	-0.05916	0.20193	0.386349	4.50E-18
0.98611	-0.10624	0.02166	0.04662	0.31474
0.02163	-0.01883	0.68488	0.283136	4.66E-10
0.99176	-0.07421	0.10927	0.129026	0.00523
0.58608	-0.09854	0.03325	0.172452	0.00018
0.01994	-0.18437	6.12E-05	-0.15129	0.00104
0.92705	0.000404	0.99305	-0.08779	0.058
1.17E-06	0.012602	0.78592	0.411091	1.81E-20
0.00029	0.174576	0.00015	0.25389	2.65E-08
1.47E-13	0.096585	0.03693	0.697217	3.17E-69
0.08665	-0.02732	0.55598	0.134237	0.00366
0.03142	-0.17321	0.00017	0.424479	7.50E-22
0.04856	0.097291	0.03557	0.273967	1.74E-09
0.05384	-0.06373	0.16917	0.221576	1.33E-06
0.20627	0.098723	0.03293	0.167596	0.00027
3.34E-06	0.125399	0.00666	0.371254	1.04E-16
0.48172	0.044919	0.33275	-0.11335	0.01425
0.78077	0.098198	0.03388	-0.099	0.03245
0.00281	-0.16133	0.00047	-0.15329	0.00089
1.11E-09	0.116256	0.01193	0.450995	8.89E-25
0.01021	-0.09348	0.04347	-0.08434	0.0686
0.52543	-0.0769	0.09697	0.14324	0.00191
5.87E-05	-0.04093	0.37753	0.352028	4.53E-15
0.00012	-0.00511	0.91233	0.530779	2.68E-35
0.65579	-0.04009	0.3874	0.006718	0.88488
0.76015	0.044255	0.33995	0.081671	0.07787
7.56E-05	-0.07215	0.11947	0.653159	3.89E-58
0.96633	-0.06702	0.14813	0.220769	1.45E-06
0.06436	-0.01169	0.80102	0.30678	1.24E-11
0.23563	0.204385	8.51E-06	-0.17015	0.00022
0.0052	0.022483	0.62794	0.040847	0.37847
1.40E-09	0.111641	0.01579	0.248723	5.14E-08
0.37337	-0.15146	0.00103	0.513192	9.80E-33
0.09555	-0.15419	0.00083	0.091179	0.04893
0.07836	-0.04288	0.3552	0.146803	0.00147
1.12E-05	-0.14148	0.00218	-0.06947	0.13388
0.025	-0.06366	0.16962	0.417804	3.73E-21

0.18805	-0.00721	0.87657	0.217426	2.11E-06
0.9788	-0.01059	0.81946	0.052024	0.26186
0.23129	-0.07575	0.10205	-0.05045	0.27656
0.71089	-0.06923	0.13523	-0.06949	0.13373
0.04956	0.199079	1.46E-05	0.033649	0.46819
4.54E-11	0.231556	4.20E-07	0.274039	1.72E-09
1.09E-08	0.181935	7.68E-05	0.054974	0.23573
0.73978	-0.07397	0.11041	0.305029	1.64E-11
0.05519	-0.03968	0.39222	-0.52389	2.82E-34
0.32962	-0.04482	0.33387	0.10045	0.02997
0.32172	0.009798	0.83274	-0.01688	0.71594
0.4574	-0.00707	0.87885	0.162487	0.00042
0.0202	0.08584	0.06381	0.388185	3.03E-18
0.0662	-0.06158	0.18402	0.021376	0.64497
0.00913	0.018736	0.68634	0.231093	4.44E-07
0.54025	-0.02621	0.57215	-0.01404	0.76216
0.03291	-0.12642	0.00623	0.13847	0.00271
0.54151	-0.09094	0.04953	0.235916	2.50E-07
0.75066	-0.10532	0.02284	-0.05084	0.27292
5.69E-05	0.080857	0.08089	0.188826	4.01E-05
0.00038	0.133461	0.00386	0.203863	8.98E-06
0.13316	-0.07122	0.12433	0.174289	0.00015
0.13761	0.033252	0.47346	0.156477	0.00069
0.50477	-0.07535	0.10391	0.190363	3.46E-05
0.58259	0.030058	0.51701	0.110723	0.01668
0.00731	0.187316	4.64E-05	-0.02	0.66642
0.17851	0.0594	0.20008	0.385248	5.69E-18
0.62397	0.098553	0.03324	0.036292	0.43395
0.42719	-0.0252	0.58694	0.137124	0.00298
0.07653	-0.14479	0.00171	0.084632	0.06766
0.75434	-0.09409	0.04213	-0.05654	0.22265
0.90031	0.002466	0.95762	0.100709	0.02955
0.65116	0.053267	0.25063	0.028929	0.53288
0.304	0.053292	0.2504	-0.01217	0.79302
0.22012	0.102673	0.02651	-0.03407	0.46261
0.0585	-0.13074	0.00466	0.14049	0.00234
0.29929	-0.12598	0.00641	0.405835	6.07E-20
0.09068	0.037592	0.41766	0.008922	0.84752
0.19941	-0.06622	0.1531	0.415983	5.75E-21
0.45036	-0.05556	0.23076	0.039231	0.39764
0.11816	-0.00164	0.97174	-0.22448	9.55E-07
0.00101	0.046845	0.31242	0.109656	0.01776
0.35782	-0.03577	0.44061	0.023076	0.6189
0.08407	-0.0179	0.69968	-0.10989	0.01752
0.93005	-0.02261	0.62598	0.19456	2.30E-05

2.12E-07	0.306841	1.22E-11	0.047823	0.3024
0.52998	-0.07928	0.08703	0.205693	7.42E-06
0.87672	0.069004	0.1365	-0.17331	0.00017
0.1611	-0.1006	0.02973	0.015841	0.73279
0.03958	-0.07692	0.09685	-0.27219	2.24E-09
0.0621	0.062031	0.18084	0.016041	0.72954
0.00092	-0.02588	0.57692	-0.07672	0.09774
0.01291	0.021473	0.64347	-0.01604	0.72958
0.23255	-0.01651	0.72198	-0.02959	0.52361
0.78454	0.012226	0.79216	0.157847	0.00062
0.00901	0.042373	0.3609	0.240771	1.39E-07
0.81817	-0.04101	0.3766	0.118806	0.01018
0.12693	-0.10504	0.0232	0.181986	7.64E-05
0.5814	-0.0696	0.13311	0.196367	1.92E-05
0.00913	-0.02826	0.54239	0.418354	3.28E-21
0.00066	0.144362	0.00176	0.013868	0.76502
0.16622	0.092508	0.04571	-0.07569	0.10233
0.0352	0.062661	0.17643	0.093194	0.04412
0.00575	-0.0394	0.39562	-0.10253	0.02671
0.33542	-0.05112	0.27028	0.188938	3.97E-05
0.01336	-0.08325	0.07229	0.154496	0.00081
0.66297	-0.076	0.10093	0.085843	0.06381
0.04049	0.010142	0.82696	0.334838	1.07E-13
0.04349	-0.0786	0.08976	0.410423	2.11E-20
2.06E-08	0.112187	0.01528	0.503675	2.08E-31
0.60284	-0.0975	0.03517	0.036284	0.43406
0.15863	-0.01567	0.73561	0.019672	0.67155
0.23221	-0.0263	0.57079	0.006741	0.88449
2.27E-06	0.197033	1.80E-05	-0.06694	0.14865
0.00937	-0.10397	0.02465	-0.25488	2.33E-08
0.01381	-0.06701	0.14823	0.299302	4.04E-11
0.94934	0.153064	0.00091	-0.09688	0.03635
0.6233	0.012114	0.79402	0.089286	0.05384
0.07076	-0.01903	0.68174	0.291528	1.33E-10
0.00298	-0.0494	0.28675	0.001975	0.96606
0.03419	-0.06852	0.13926	0.001925	0.9669
0.28786	0.032747	0.48021	-0.24362	9.76E-08
0.71466	0.023923	0.60608	0.131204	0.00451
0.10368	0.145029	0.00168	-0.26847	3.75E-09
0.03625	-0.01373	0.76736	-0.03804	0.41215
0.11051	-0.06165	0.18355	0.008788	0.84977
3.12E-06	-0.185	5.77E-05	-0.22265	1.18E-06
0.65856	-0.01893	0.68331	0.186395	5.06E-05
2.71E-06	-0.17884	0.0001	-0.21741	2.11E-06
0.66059	-0.00201	0.96542	0.169539	0.00023

0.22841	-0.00437	0.92488	0.011668	0.80144
0.56639	0.043055	0.35322	-0.10827	0.01926
0.39849	-0.05064	0.27476	0.025118	0.5882
0.5531	-0.03364	0.46829	0.073765	0.11139
0.70178	0.020878	0.6527	-0.03382	0.46591
1.00E-06	0.144818	0.0017	0.101089	0.02894
0.2571	-0.03234	0.48574	0.094104	0.04209
0.3064	-0.00236	0.95942	0.042491	0.35957
0.19503	0.020657	0.65613	-0.14494	0.00169
0.02615	0.118494	0.01038	-0.02733	0.55583
0.48974	-0.08412	0.06935	-0.14464	0.00173
0.42323	-0.06349	0.1708	0.135112	0.00344
0.24003	-0.04988	0.28207	-0.01914	0.67996
0.03831	-0.19602	1.99E-05	-0.19349	2.55E-05
0.69743	0.053437	0.24911	0.073876	0.11085
0.23236	0.010409	0.82249	0.156249	0.0007
0.04612	0.049943	0.28146	0.267494	4.29E-09
0.75178	-0.08365	0.07091	0.177092	0.00012
0.86617	0.048846	0.29217	-0.07357	0.11233
0.29333	0.058147	0.20974	-0.05426	0.24187
0.76265	0.132932	0.00401	-0.0924	0.04595
0.69174	0.05076	0.27365	0.063116	0.17331
0.55412	-0.10199	0.02753	0.070381	0.12883
0.34954	0.01028	0.82465	0.010084	0.82795
0.01149	0.035277	0.44694	0.29004	1.67E-10
0.38463	-0.05472	0.23789	0.216216	2.41E-06
0.01064	0.103034	0.02598	-0.06578	0.15582
0.00028	0.002334	0.95988	0.112317	0.01517
0.00039	-0.02246	0.62828	0.2586	1.43E-08
0.93839	-0.08707	0.0601	-0.05385	0.2455
0.00022	-0.0439	0.34388	0.427597	3.50E-22
0.00748	-0.02649	0.568	0.363743	4.69E-16
0.0339	-0.05573	0.22933	0.330504	2.30E-13
0.56153	-0.13853	0.0027	0.230849	4.57E-07
0.52741	-0.14639	0.00151	0.261612	9.55E-09
0.05498	-0.18678	4.88E-05	0.060797	0.18968
0.53585	-0.03942	0.39538	-0.09161	0.04785
0.16568	0.111305	0.01611	0.0311	0.50257
0.06879	0.110612	0.01679	0.023981	0.60522
2.21E-05	0.105209	0.02298	0.157312	0.00065
0.02261	-0.09251	0.04571	0.033335	0.47236
0.00478	-0.10999	0.01742	-0.02748	0.5536
0.23275	-0.11428	0.01347	0.157445	0.00064
0.05309	-0.1481	0.00133	0.141475	0.00218
0.06873	0.021586	0.64173	0.256746	1.82E-08

0.00192	-0.16566	0.00032	0.124554	0.00704
0.01001	-0.13626	0.00317	0.117303	0.01118
0.00205	-0.12875	0.00533	0.043598	0.34718
0.98186	-0.11966	0.00964	0.101038	0.02902
0.21411	-0.19668	1.86E-05	0.21371	3.16E-06
0.43506	0.201978	1.09E-05	-0.2655	5.64E-09
4.37E-05	0.085586	0.06461	0.36811	1.97E-16
0.01851	0.004687	0.91954	-0.15398	0.00084
0.00121	0.164305	0.00036	0.191842	3.00E-05
0.20896	0.120233	0.0093	-0.07889	0.0886
0.00012	0.144956	0.00169	-0.29235	1.18E-10
0.06904	0.073789	0.11128	-0.09886	0.03269
1.67E-18	0.237005	2.19E-07	0.277549	1.05E-09
0.98171	-0.07676	0.09756	0.267807	4.11E-09
1.52E-09	0.007438	0.87264	0.442253	8.76E-24
0.4802	-0.03602	0.43742	0.05552	0.23111
3.88E-07	0.269658	3.18E-09	0.109209	0.01824
0.46802	-0.11976	0.00959	0.193169	2.64E-05
0.09292	-0.05199	0.26219	0.336934	7.34E-14
0.10896	-0.00476	0.91821	-0.11995	0.00947
0.01842	0.084165	0.06919	-0.35867	1.27E-15
0.78478	0.098886	0.03264	-0.13272	0.00406
0.14545	-0.04461	0.33611	-0.12797	0.00561
0.23103	-0.05422	0.24222	0.095587	0.03894
0.60583	-0.10822	0.01932	0.094775	0.04063
0.56149	0.064205	0.166	-0.05411	0.24317
5.26E-08	-0.12833	0.00548	-0.2153	2.66E-06
0.0223	-0.00486	0.91663	0.047955	0.30108
0.47449	-0.02857	0.53802	0.300185	3.52E-11
0.00047	-0.06808	0.14183	-0.20421	8.66E-06
0.11931	-0.06949	0.13373	0.080412	0.08258
1.20E-06	-0.24385	9.48E-08	-0.24813	5.54E-08
6.29E-06	-0.0359	0.4389	-0.16852	0.00025
0.46161	-0.03139	0.49854	0.077687	0.09357
0.28955	-0.02529	0.58568	0.037786	0.41526
0.80728	-0.00778	0.8669	0.019524	0.67388
0.67079	-0.00893	0.84741	0.050099	0.27995
0.12638	0.079457	0.08631	0.141023	0.00225
0.4456	-0.01073	0.81713	0.031789	0.49315
0.18552	0.002842	0.95117	-0.04068	0.38038
0.5693	0.054768	0.2375	-0.03829	0.4091
0.00012	0.110472	0.01693	0.367471	2.23E-16
1.92E-16	0.339852	4.34E-14	-0.12233	0.00813
0.63776	0.028711	0.53597	0.012241	0.79191
0.05018	0.105338	0.02281	-0.01525	0.74245

1.54E-05	-0.12723	0.0059	-0.05084	0.27293
0.00447	-0.03391	0.4648	0.318971	1.67E-12
6.83E-08	0.159141	0.00056	0.180248	8.97E-05
0.16064	0.017877	0.7	0.157923	0.00061
0.11576	0.047013	0.31068	0.087805	0.05795
0.02251	-0.03969	0.39214	0.346174	1.36E-14
0.77074	0.023658	0.61009	-0.05743	0.21541
0.73609	0.001907	0.96721	0.091755	0.04751
0.47098	-0.06693	0.14872	0.112867	0.01467
0.29353	-0.01322	0.77577	0.017296	0.7093
0.47691	0.021951	0.6361	0.127267	0.00589
0.00749	-0.19642	1.91E-05	-0.10628	0.02162
0.19563	-0.07061	0.12759	-0.05902	0.20294
0.31973	0.007523	0.8712	0.050262	0.27839
0.96735	0.027266	0.55669	-0.12998	0.0049
0.61758	-0.12704	0.00597	0.208286	5.65E-06
0.22373	0.019196	0.67906	-0.00955	0.83697
7.53E-06	0.126713	0.00611	0.301147	3.03E-11
3.22E-05	0.039249	0.39742	0.318991	1.66E-12
0.00012	0.055235	0.23352	-0.21757	2.07E-06
0.05933	-0.07184	0.12109	-0.18519	5.67E-05
4.98E-07	-0.04382	0.34475	-0.24082	1.38E-07
0.57513	0.005909	0.89867	0.020674	0.65588
0.09949	0.081682	0.07784	0.112376	0.01511
0.38995	0.036726	0.42849	0.177369	0.00012
0.7676	0.070617	0.12754	-0.17781	0.00011
0.14809	0.059725	0.19762	-0.29667	6.08E-11
0.60554	0.136124	0.0032	-0.02428	0.60067
0.82724	0.039483	0.39461	-0.02587	0.57707
0.0069	0.198885	1.49E-05	0.197337	1.74E-05
0.44952	-0.04367	0.34634	0.145701	0.00159
0.00195	0.097908	0.03441	0.167873	0.00027
3.06E-05	0.155926	0.00072	0.187553	4.53E-05
1.98E-06	0.167169	0.00029	-0.0517	0.26485
0.03173	-0.06191	0.18165	0.139911	0.00244
0.95907	-0.19943	1.41E-05	0.511318	1.80E-32
0.00312	-0.02051	0.65841	-0.0976	0.03499
0.07352	-0.10122	0.02873	0.420675	1.88E-21
0.00082	0.119203	0.00993	0.394125	8.35E-19
0.15697	0.105621	0.02244	0.088827	0.05508
0.00031	-0.00693	0.88132	0.375583	4.30E-17
0.05886	0.11549	0.01251	0.002947	0.94936
0.51884	-0.05415	0.24285	0.030158	0.51562
0.13196	0.094636	0.04093	-0.02222	0.63205
0.03039	-0.09558	0.03895	-0.04731	0.30768



0.64342	-0.01725	0.71007	0.078045	0.09206
0.0219	-0.05954	0.19899	0.542443	4.40E-37
0.00306	-0.09057	0.05045	0.378301	2.45E-17
0.36549	-0.12866	0.00536	0.188899	3.99E-05
0.43316	-0.1422	0.00207	0.271078	2.61E-09
0.53392	0.155605	0.00074	0.107737	0.01987
0.02285	-0.06522	0.15941	0.363411	5.01E-16
0.00161	0.053364	0.24976	0.226522	7.56E-07
6.82E-13	0.293911	9.29E-11	0.16603	0.00031
0.27287	-0.07625	0.0998	0.2396	1.60E-07
4.71E-11	0.199243	1.44E-05	0.205161	7.85E-06
0.03479	-0.01098	0.81287	0.216622	2.30E-06
0.76859	0.035702	0.44147	-0.05834	0.20825
0.06742	-0.00379	0.93496	-0.01905	0.68136
0.15521	0.03515	0.44857	-0.12467	0.00699
0.08345	0.184087	6.29E-05	-0.08507	0.06624
0.02178	-0.11397	0.01373	-0.18612	5.19E-05
0.97303	0.169567	0.00023	-0.067	0.14825
0.14992	0.033062	0.476	0.046472	0.31629
0.83953	-0.01169	0.80109	0.110282	0.01712
0.40707	0.045535	0.32615	-0.33467	1.10E-13
0.53536	-0.04537	0.32793	-0.17847	0.00011
1.39E-06	0.119891	0.00951	0.24332	1.01E-07
0.30024	0.006043	0.89638	-0.02708	0.55933
0.00557	0.120097	0.00938	0.174218	0.00015
8.80E-19	0.232956	3.56E-07	0.32789	3.63E-13
7.86E-06	0.158661	0.00058	0.097794	0.03462
4.73E-05	0.207293	6.28E-06	0.253985	2.61E-08
0.585	0.009844	0.83198	0.023848	0.60721
0.65879	-0.08461	0.06774	0.122058	0.00828
0.01969	0.094284	0.04169	0.096365	0.03737
0.00223	0.127216	0.00591	-0.00197	0.9661
0.10233	-0.13313	0.00395	0.156134	0.00071
0.02185	-0.00302	0.94803	0.315531	2.96E-12
0.04243	-0.06777	0.14369	0.429863	2.00E-22
0.00059	0.211843	3.87E-06	0.20781	5.95E-06
0.15654	-0.13756	0.00289	0.101979	0.02755
0.24199	-0.04483	0.3337	0.397871	3.65E-19
0.60562	-0.18946	3.78E-05	0.429861	2.00E-22
0.86231	0.080277	0.08311	-0.00617	0.89427
0.00104	0.018568	0.689	0.215358	2.64E-06
0.44726	-0.10697	0.02078	0.009776	0.83311
0.00137	0.025421	0.58371	-0.02805	0.54539
3.72E-07	0.226616	7.47E-07	0.060619	0.19098
0.33789	0.098941	0.03255	0.181091	8.30E-05

0.00903	0.139	0.00261	-0.15282	0.00092
0.01953	-0.03683	0.4272	0.257209	1.71E-08
0.37759	-0.05538	0.23229	0.232863	3.60E-07
0.03724	-0.03677	0.42792	0.302596	2.41E-11
0.06627	0.064088	0.16677	0.032725	0.48051
0.99588	0.013158	0.77673	-0.12081	0.00897
0.43994	-0.01784	0.7006	0.117768	0.01086
0.59447	-0.00777	0.86695	0.148004	0.00134
0.95051	-0.03683	0.42721	0.259532	1.26E-08
0.69521	0.057464	0.21516	-0.08532	0.06544
2.08E-05	-0.16441	0.00036	0.115301	0.01266
0.08063	-0.02284	0.62243	0.334618	1.11E-13
0.00138	0.007146	0.8776	0.43839	2.36E-23
0.70535	-0.01656	0.72107	0.080541	0.08209
0.02012	0.106225	0.02168	0.049248	0.28821
2.20E-09	0.187504	4.56E-05	0.183018	6.95E-05
4.62E-05	-0.26747	4.31E-09	0.118722	0.01023
0.18882	0.00165	0.97163	0.143834	0.00183
0.31926	-0.07527	0.10428	0.160769	0.00049
0.08935	-0.11614	0.01202	-0.14409	0.0018
0.94616	0.030711	0.50795	0.050868	0.27263
0.68028	-0.02024	0.66272	0.084932	0.06669
0.81171	-0.00824	0.85908	0.05348	0.24873
0.21861	-0.0341	0.4623	-0.01915	0.67976
0.2703	0.00099	0.98297	0.114245	0.0135
0.07092	-0.08833	0.05645	0.41238	1.34E-20
0.54488	-0.00957	0.83652	0.084479	0.06816
0.83835	-0.03774	0.41588	0.246169	7.10E-08
4.04E-05	-0.07336	0.1134	-0.08028	0.08309
0.28027	-0.11128	0.01614	0.286156	2.99E-10
0.01754	0.142418	0.00203	0.085995	0.06333
0.00892	0.028349	0.54113	0.125548	0.0066
0.74933	0.176276	0.00013	-0.10119	0.02878
0.91312	-0.02081	0.6538	0.062211	0.17956
0.00309	0.088148	0.05698	-0.07301	0.11511
0.1984	0.1478	0.00136	-0.11691	0.01146
0.96801	-0.00052	0.99113	0.157694	0.00063
0.246	0.054795	0.23727	-0.11355	0.01408
0.76733	-0.03668	0.4291	0.279819	7.55E-10
0.00844	0.143153	0.00193	0.187708	4.47E-05
9.84E-07	0.075368	0.10381	0.380357	1.60E-17
0.29194	0.061511	0.18452	-0.15751	0.00064
0.28145	-0.04258	0.35852	-0.13963	0.00249
0.48698	-0.03601	0.43755	0.284612	3.75E-10
0.15493	-0.10794	0.01964	0.281096	6.27E-10

0.17238	0.100173	0.03043	0.259781	1.22E-08
0.00183	-0.00139	0.97618	0.325612	5.38E-13
0.18004	0.000684	0.98824	0.063993	0.1674
6.33E-10	0.116712	0.0116	0.225105	8.89E-07
0.43185	-0.033	0.47677	-0.05604	0.22678
0.18894	-0.21699	2.21E-06	0.182675	7.17E-05
0.2644	-0.04302	0.35362	0.41979	2.32E-21
0.55875	-0.01397	0.76331	0.094994	0.04017
0.02105	0.199809	1.36E-05	0.081945	0.07688
0.30125	-0.00946	0.83838	0.182646	7.19E-05
0.07465	-0.09561	0.0389	0.241144	1.33E-07
0.25533	-0.1474	0.0014	0.094911	0.04035
0.38286	0.107249	0.02044	-0.30096	3.12E-11
0.7179	-0.03538	0.44561	0.352399	4.22E-15
3.64E-05	-0.08005	0.08397	-0.21017	4.63E-06
9.06E-13	0.157849	0.00062	0.310837	6.41E-12
0.28164	-0.09103	0.0493	0.093973	0.04237
0.23308	0.063015	0.174	0.173504	0.00016
0.73606	-0.12996	0.00491	0.302479	2.45E-11
0.46873	-0.01719	0.71106	0.135755	0.00329
5.43E-09	0.050433	0.27675	0.5385	1.80E-36
0.00084	-0.07396	0.11046	0.578651	4.31E-43
0.3278	-0.03369	0.46766	-0.03223	0.48717
0.9454	-0.07253	0.11753	0.19816	1.61E-05
0.18262	-0.06459	0.16346	0.204972	8.00E-06
0.00614	0.060154	0.19442	0.372487	8.11E-17
0.6903	-0.04465	0.33568	0.242655	1.10E-07
0.89223	-0.15861	0.00058	0.484132	8.18E-29
0.87321	-0.13194	0.00429	0.430543	1.69E-22
0.00029	-0.06797	0.14249	0.676981	6.83E-64
0.0008	0.032635	0.48171	0.149017	0.00124
0.14613	-0.08877	0.05523	0.090333	0.05107
0.00053	-0.02288	0.62183	0.546723	9.35E-38
0.10548	-0.04306	0.35311	0.212957	3.43E-06
0.11113	-0.07795	0.09244	-0.11004	0.01736
0.00043	-0.02229	0.63088	0.334259	1.18E-13
0.66659	0.011045	0.81184	0.065335	0.15865
0.28104	0.015576	0.73708	-0.00404	0.93066
0.2898	-0.11967	0.00964	0.202379	1.05E-05
0.15678	-0.03501	0.45042	0.526782	1.06E-34
0.0872	0.049601	0.28477	0.179274	9.80E-05
0.76385	0.12329	0.00764	-0.30583	1.44E-11
0.97902	-0.09272	0.04522	0.204414	8.48E-06
0.00078	0.135775	0.00328	0.218185	1.94E-06
0.00281	0.058886	0.20401	-0.0395	0.3944

0.47304	0.016258	0.72602	0.179861	9.29E-05
0.90431	-0.07589	0.10143	0.039352	0.39618
0.01625	-0.08024	0.08325	0.338332	5.71E-14
1.46E-06	0.168041	0.00026	0.1716	0.00019
0.18099	0.078304	0.09099	0.224679	9.33E-07
1.15E-06	0.03703	0.42466	0.529874	3.66E-35
0.76155	-0.11941	0.0098	0.291488	1.34E-10
0.2205	-0.08818	0.05687	0.098984	0.03247
0.00102	0.071691	0.12184	-0.32333	7.96E-13
0.01538	0.296208	6.53E-11	-0.00642	0.88992
0.96633	-0.02947	0.52521	0.220075	1.57E-06
4.86E-07	0.012683	0.78457	0.331014	2.10E-13
0.17873	0.010272	0.82479	0.221872	1.28E-06
5.16E-11	0.078213	0.09136	0.461439	5.30E-26
0.03038	0.038144	0.41085	0.179703	9.43E-05
1.12E-05	0.023271	0.61594	0.557512	1.71E-39
0.00951	0.038596	0.40533	0.130243	0.00482
0.02521	-0.05284	0.25442	0.217671	2.05E-06
8.81E-05	0.131024	0.00457	0.354588	2.78E-15
0.08359	0.021097	0.64929	-0.11719	0.01126
0.0007	-0.00477	0.91806	-0.07642	0.09908
0.08053	0.128257	0.00551	-0.2859	3.10E-10
0.90775	-0.09669	0.03672	0.231382	4.29E-07
0.00134	-0.00352	0.93956	0.441148	1.16E-23
0.00043	0.016234	0.72641	0.047476	0.30593
0.88315	0.049876	0.2821	-0.17932	9.77E-05
0.62879	-0.0376	0.41751	0.10686	0.02091
0.07641	0.151119	0.00105	0.272127	2.26E-09
0.05514	0.069363	0.13446	0.273823	1.78E-09
0.00942	0.081727	0.07767	0.342226	2.81E-14
0.43382	-0.03156	0.49626	0.027792	0.54911
7.31E-08	0.036305	0.43379	0.612571	1.91E-49
0.59866	-0.05463	0.23871	0.043745	0.34555
0.0139	-0.22816	6.26E-07	0.031516	0.49688
0.87188	0.090848	0.04976	-0.14119	0.00223
0.04569	0.084554	0.06791	-0.11213	0.01534
3.28E-06	-0.0853	0.06551	-0.08215	0.07614
0.01069	0.129607	0.00503	-0.2412	1.32E-07
0.67289	-0.14975	0.00117	0.072231	0.11905
2.02E-07	0.051099	0.27045	0.241246	1.31E-07
0.00583	-0.1073	0.02039	0.396872	4.56E-19
0.56703	-0.13482	0.00351	-0.01099	0.81278
0.76851	0.144751	0.00171	-0.03394	0.46432
0.42221	-0.00199	0.96573	-0.10725	0.02044
0.35698	-0.0613	0.18601	0.34407	2.01E-14

0.00058	-0.07269	0.11673	0.533998	8.76E-36
0.03472	-0.1767	0.00012	0.384519	6.64E-18
0.01871	-0.07216	0.11942	0.529926	3.60E-35
0.00291	0.198496	1.55E-05	0.184217	6.21E-05
0.26513	0.078015	0.09219	0.026525	0.56747
0.34637	0.096585	0.03693	0.035115	0.44903
0.2447	0.083902	0.07007	0.014937	0.74749
0.03156	0.18818	4.27E-05	-0.0167	0.71889
0.02814	-0.04202	0.3649	0.497842	1.29E-30
0.05507	-0.18634	5.09E-05	0.10269	0.02648
0.65719	0.057015	0.21877	-0.1429	0.00196
0.56223	0.047509	0.3056	-0.09701	0.0361
0.3259	-0.01955	0.67345	-0.04214	0.36354
0.00206	0.136064	0.00322	0.371058	1.08E-16
0.02668	0.029007	0.53177	0.288528	2.10E-10
0.7051	-0.13651	0.00312	0.304053	1.91E-11
0.93372	-0.03226	0.48682	0.200681	1.24E-05
0.03415	0.207581	6.09E-06	-0.22164	1.32E-06
0.89425	-0.0878	0.05796	0.183708	6.51E-05
0.01138	0.029484	0.52505	0.426362	4.74E-22
0.02524	-0.0486	0.29462	0.280138	7.21E-10
0.01621	0.049172	0.28896	-0.00591	0.89857
1.51E-06	-0.05326	0.25068	-0.06386	0.16831
2.60E-07	-0.09075	0.05002	-0.23952	1.62E-07
0.00159	0.023234	0.6165	0.285465	3.31E-10
1.81E-05	0.082005	0.07666	0.33056	2.28E-13
0.11754	0.059756	0.19738	0.208972	5.26E-06
0.00105	0.029035	0.53137	0.361281	7.61E-16
0.74459	-0.1343	0.00364	0.263431	7.47E-09
0.22037	0.027793	0.54909	0.156336	0.0007
5.95E-06	0.307924	1.03E-11	0.039725	0.39172
3.95E-06	-0.06776	0.14373	-0.29542	7.37E-11
0.0001	0.189621	3.72E-05	0.165141	0.00034
0.00522	0.019938	0.66738	-0.13877	0.00265
0.00235	-0.08289	0.07353	0.012447	0.78848
0.00591	-0.01699	0.71414	-0.05114	0.2701
0.15236	-0.02492	0.5912	0.110424	0.01698
6.31E-09	0.092324	0.04615	0.459994	7.87E-26
1.11E-06	0.143141	0.00193	0.462781	3.66E-26
1.72E-11	0.163416	0.00039	0.467648	9.46E-27
6.41E-11	0.206636	6.73E-06	0.464491	2.28E-26
0.3271	0.061358	0.18562	0.104576	0.02382
0.06057	0.022696	0.62469	-0.08394	0.06993
0.00843	-0.00851	0.85452	0.192603	2.79E-05
0.03415	-0.01364	0.76874	-0.25315	2.92E-08

0.18503	-0.06814	0.14146	0.327876	3.64E-13
0.01691	0.038261	0.40942	0.396386	5.07E-19
0.06991	-0.09326	0.04397	0.030279	0.51393
0.01213	0.053185	0.25135	0.104102	0.02447
0.60143	-0.0336	0.46884	0.041913	0.36614
0.5628	0.082604	0.07453	-0.33958	4.55E-14
0.60831	0.0616	0.18389	-0.14012	0.00241
0.11919	0.034714	0.45422	0.064282	0.16549
0.93525	-0.07526	0.10428	0.195114	2.18E-05
0.03065	0.014517	0.75437	0.183069	6.91E-05
0.59046	-0.01047	0.82145	-0.08664	0.06136
0.57117	0.024286	0.60063	0.110266	0.01714
0.40372	0.013165	0.77661	0.070977	0.12561
0.50375	-0.07155	0.12259	0.015072	0.7453
0.54924	0.017417	0.70737	0.121823	0.0084
0.04628	-0.09486	0.04045	-0.03387	0.46528
0.09743	0.08107	0.0801	0.129321	0.00513
0.00195	0.214484	2.91E-06	0.06899	0.13658
0.67717	0.037231	0.42215	0.143035	0.00194
0.00545	-0.04165	0.36921	0.33742	6.73E-14
0.53305	0.031568	0.49616	-0.01677	0.71781
0.71149	0.026783	0.56371	0.066609	0.15067
0.3142	-0.1194	0.00981	0.041511	0.37076
0.71558	-0.01607	0.72903	0.050065	0.28028
0.00874	-0.01211	0.79405	-0.14819	0.00132
0.9224	0.037845	0.41453	0.188301	4.22E-05
0.03299	0.100141	0.03049	0.356582	1.90E-15
0.79678	0.033888	0.46503	0.115545	0.01247
0.29532	0.01371	0.76762	0.277369	1.07E-09
0.01989	-0.05273	0.25546	0.359959	9.86E-16
0.29927	-0.06004	0.19523	0.033114	0.4753
0.37448	-0.03934	0.39636	0.105635	0.02243
0.002	0.057526	0.21466	-0.27206	2.28E-09
0.37156	-0.06045	0.1922	0.088763	0.05526
0.14	-0.08717	0.05979	0.122489	0.00805
0.00035	0.168609	0.00025	-0.05156	0.26616
9.20E-06	0.094382	0.04148	0.406564	5.14E-20
0.22944	0.112808	0.01473	0.26335	7.56E-09
0.55363	0.06631	0.15251	0.291424	1.36E-10
0.71319	0.025022	0.58964	-0.00332	0.94295
0.11182	-0.1361	0.00321	0.262277	8.73E-09
0.35921	-0.07021	0.12975	0.117199	0.01126
0.02172	0.135944	0.00324	0.082242	0.07581
0.36204	-0.08584	0.06383	0.071776	0.1214
0.1824	-0.01991	0.66782	0.017585	0.70467

0.40207	-0.05731	0.21638	0.074373	0.10846
0.60694	0.00072	0.98762	-0.01472	0.75097
0.83913	-0.02144	0.64402	0.015897	0.73188
0.31387	0.018289	0.69343	0.000775	0.98667
0.72249	-0.06165	0.18352	0.104744	0.02359
0.92756	-0.05904	0.20286	0.120904	0.00891
0.6623	-0.01861	0.68831	0.090653	0.05025
0.00711	-0.0539	0.24501	0.445192	4.09E-24
0.26865	-0.06538	0.15835	0.028406	0.54032
0.17409	0.032074	0.48929	0.225168	8.83E-07
0.73841	0.089607	0.05298	0.237952	1.96E-07
0.00135	-0.09049	0.05067	-0.09733	0.0355
0.32489	-0.00961	0.83595	0.022483	0.62794
0.58444	-0.01653	0.72157	0.081606	0.07812
0.84665	-0.0894	0.05354	0.332497	1.62E-13
0.00078	0.065001	0.16079	0.202543	1.03E-05
0.00403	0.076209	0.1	-0.33297	1.49E-13
0.02828	0.138986	0.00261	-0.05268	0.25593
0.23327	-0.01745	0.70681	0.309554	7.90E-12
0.00733	-0.11927	0.00989	-0.0106	0.81923
0.46378	-0.12039	0.00921	0.337576	6.54E-14
0.04128	-0.04825	0.29814	-0.15639	0.0007
0.02437	-0.01873	0.6865	0.198871	1.49E-05
0.5296	-0.03932	0.39662	-0.10546	0.02265
0.00716	-0.09399	0.04234	0.017153	0.7116
1.99E-08	-0.14868	0.00127	-0.19641	1.91E-05
0.01053	0.152925	0.00092	-0.00659	0.88702
0.03037	0.040873	0.37817	0.223878	1.02E-06
0.23222	0.164047	0.00037	-0.2355	2.63E-07
0.57636	-0.04761	0.30456	0.16159	0.00046
0.10259	-0.0403	0.38485	0.199909	1.35E-05
0.23497	-0.05087	0.27265	0.28749	2.45E-10
0.00055	0.237281	2.12E-07	0.009096	0.84457
0.00114	0.219739	1.63E-06	0.008317	0.85774
0.65463	-0.05877	0.20492	0.154144	0.00083
0.00161	-0.02013	0.66435	0.108307	0.01922
5.39E-05	0.051512	0.2666	0.350827	5.69E-15
0.00622	0.129798	0.00496	0.11675	0.01157
0.1837	-0.08456	0.06788	0.203369	9.45E-06
0.97957	-0.04872	0.29338	0.10698	0.02076
0.11246	-0.10596	0.02201	0.495213	2.89E-30
0.76772	-0.06861	0.13874	0.155592	0.00074
0.88781	-0.07685	0.09717	0.185724	5.39E-05
0.71994	-0.00097	0.98332	0.101478	0.02833
0.55211	-0.11095	0.01646	0.154294	0.00082

0.505	-0.02976	0.52122	0.108274	0.01926
0.32901	0.059072	0.20258	-0.00953	0.83721
0.02432	-0.00658	0.88719	0.332014	1.76E-13
0.69931	-0.01164	0.80192	0.242583	1.11E-07
6.59E-05	0.120879	0.00893	0.118286	0.01052
0.60768	0.04837	0.2969	-0.03298	0.47707
0.06056	0.030474	0.51122	-0.04434	0.33905
0.74698	-0.12103	0.00884	0.240541	1.43E-07
0.00149	0.001208	0.97923	0.376226	3.77E-17
0.47125	0.15925	0.00055	-0.05352	0.24838
0.94765	-0.06852	0.1393	0.336744	7.60E-14
0.94998	0.062908	0.17473	0.113683	0.01397
0.22854	0.022872	0.62201	-0.06141	0.18523
8.74E-05	0.150791	0.00108	0.250077	4.33E-08
0.68895	-0.01683	0.71687	0.243722	9.64E-08
0.46048	-0.1265	0.00619	0.193926	2.45E-05
7.48E-05	0.117422	0.0111	0.087822	0.0579
0.82444	0.145449	0.00162	-0.39687	4.56E-19
4.19E-05	0.007064	0.87899	0.513283	9.51E-33
0.6014	0.04957	0.28507	0.001409	0.97577
0.08411	-0.06768	0.14421	-0.07133	0.12371
0.00049	-0.06361	0.16997	0.383479	8.28E-18
0.00034	-0.0883	0.05654	0.139291	0.00255
0.88592	0.145181	0.00166	0.065999	0.15445
0.00143	-0.02591	0.57656	-0.068	0.1423
0.00206	-0.02941	0.52607	0.410701	1.98E-20
0.83267	0.091047	0.04926	-0.07595	0.10114
0.00486	-0.07182	0.12115	0.418886	2.88E-21
0.00152	0.02799	0.54627	0.124936	0.00687
0.70294	-0.08546	0.065	0.336059	8.59E-14
0.44771	0.08281	0.07381	-0.07322	0.11406
0.24597	-0.12523	0.00673	0.296048	6.69E-11
0.03012	-0.07558	0.10282	-0.01898	0.68242
0.22103	-0.07472	0.10682	-0.01985	0.6687
0.86593	0.012928	0.78052	0.316903	2.36E-12
0.00967	-0.09464	0.04092	0.462308	4.17E-26
0.00033	0.234561	2.94E-07	0.140271	0.00238
0.21012	0.003677	0.93684	0.49656	1.91E-30
0.32156	-0.16617	0.00031	0.114433	0.01335
0.0003	0.013643	0.76873	0.279833	7.54E-10
0.07601	0.09957	0.03145	0.057974	0.21111
0.04892	0.04313	0.35238	0.146868	0.00146
6.48E-08	-0.12375	0.00742	-0.03859	0.40537
0.09731	0.072994	0.11519	-0.08358	0.07114
0.22434	-0.11238	0.01511	0.147056	0.00144



0.27257	-0.15084	0.00108	0.022783	0.62336
0.30772	0.10648	0.02137	0.138913	0.00263
5.70E-05	-0.00491	0.91572	0.597599	1.51E-46
0.03419	-0.12168	0.00848	0.191581	3.08E-05
0.00529	-0.05885	0.2043	-0.10063	0.02969
9.66E-06	0.050612	0.27505	0.232212	3.89E-07
0.9861	0.032008	0.49017	0.058777	0.20484
0.12272	-0.1051	0.02312	0.3695	1.49E-16
0.55405	-0.07492	0.10591	0.085741	0.06412
0.07157	-0.13083	0.00463	-0.0115	0.80427
0.04915	0.046889	0.31196	-0.17599	0.00013
0.00113	-0.02318	0.61729	0.318352	1.85E-12
0.9415	-0.07227	0.11884	0.317496	2.14E-12
0.00409	-0.06492	0.16132	-0.21088	4.29E-06
0.00128	0.04233	0.36139	0.095129	0.03989
0.3706	-0.00529	0.90923	0.098549	0.03324
0.01882	-0.02372	0.60917	0.174189	0.00015
0.70714	-0.03564	0.44224	0.11858	0.01033
0.72829	0.083713	0.0707	0.043593	0.34723
0.86127	0.111525	0.0159	-0.08261	0.07451
0.00293	-0.05946	0.19958	-0.14552	0.00161
1.02E-08	0.060616	0.191	0.221445	1.35E-06
0.00858	0.118415	0.01043	0.145059	0.00167
9.82E-05	-0.05977	0.19726	0.493024	5.65E-30
5.22E-08	0.050542	0.27572	0.588738	6.66E-45
1.28E-05	0.113651	0.01399	0.337749	6.34E-14
0.16238	-0.01232	0.79054	0.26599	5.28E-09
0.19835	-0.06386	0.16828	0.064068	0.1669
0.17062	-0.16208	0.00044	0.06312	0.17328
0.92639	0.098048	0.03415	0.129658	0.00501
0.45473	-0.06046	0.19213	0.422308	1.27E-21
0.62538	0.079672	0.08546	-0.17858	0.0001
0.98457	-0.00718	0.87704	0.086597	0.0615
0.80588	-0.03739	0.42022	-0.05908	0.20254
0.17211	-0.04716	0.30919	-0.20974	4.85E-06
0.8988	-0.07612	0.10041	0.030999	0.50396
0.0015	0.184389	6.11E-05	-0.0977	0.03479
0.99884	-0.0445	0.33727	0.380676	1.49E-17
0.00011	0.020714	0.65525	0.328002	3.56E-13
0.00858	0.148827	0.00126	-0.05005	0.28042
0.23184	0.014809	0.74958	0.128939	0.00526
0.00011	0.153771	0.00086	0.293597	9.75E-11
0.00046	0.128557	0.0054	0.385994	4.85E-18
1.69E-06	0.372097	8.78E-17	-0.07766	0.09368
6.84E-09	0.065501	0.15759	0.490129	1.36E-29

5.06E-08	0.056068	0.22653	0.347283	1.11E-14
0.01151	-0.06056	0.1914	-0.15703	0.00066
0.90172	-0.0255	0.58248	0.123922	0.00734
1.15E-05	-0.06642	0.15184	0.085515	0.06483
0.00428	0.042893	0.35504	0.170424	0.00022
0.21262	0.035948	0.43833	-0.04484	0.33365
6.34E-10	0.108833	0.01864	0.301816	2.72E-11
0.32949	0.054157	0.24278	0.119824	0.00955
0.59571	0.067262	0.1467	-0.16716	0.00029
0.08381	-0.09002	0.05188	0.080327	0.08291
0.26474	-0.106	0.02196	0.461882	4.69E-26
0.82214	0.093539	0.04334	-0.16657	0.0003
0.12303	-0.02212	0.63356	0.481883	1.59E-28
0.05803	-0.05794	0.21139	0.219185	1.73E-06
4.28E-06	0.021338	0.64557	0.344988	1.69E-14
0.00018	-0.02569	0.57975	0.410118	2.27E-20
0.67184	-0.04634	0.31762	0.145862	0.00157
0.46986	-0.07159	0.12235	0.02363	0.61051
2.16E-07	0.012215	0.79235	0.387258	3.70E-18
0.36757	-0.07524	0.10439	0.072414	0.11811
0.32032	-0.07165	0.12206	0.165675	0.00032
0.00308	-0.0543	0.24152	0.268369	3.81E-09
0.1042	0.004161	0.92855	0.119635	0.00966
0.44643	-0.1153	0.01266	0.241544	1.26E-07
0.75021	-0.05786	0.21204	0.096662	0.03678
0.00172	-0.01126	0.80821	0.12316	0.00771
0.03904	0.012413	0.78905	0.283837	4.20E-10
0.66923	-0.03751	0.41874	0.188621	4.09E-05
0.05471	-0.0049	0.91582	-0.00016	0.9973
0.0123	0.01218	0.79292	0.146953	0.00145
0.01511	-0.00881	0.84941	0.241745	1.23E-07
3.52E-05	0.047432	0.30638	0.270628	2.78E-09
0.08741	-0.02194	0.63628	0.161617	0.00045
1.99E-05	0.01175	0.80008	0.240891	1.37E-07
8.99E-05	-0.06948	0.1338	0.479574	3.12E-28
0.61199	-0.07281	0.11611	0.30103	3.08E-11
0.00368	-0.01992	0.66772	0.368957	1.66E-16
0.01688	-0.05222	0.26007	-0.2362	2.42E-07
0.00062	-0.02491	0.59125	-0.0782	0.0914
0.08567	-0.07307	0.11481	0.513744	8.18E-33
3.66E-08	0.236083	2.45E-07	0.052246	0.25983
0.30275	0.087631	0.05845	-0.32063	1.26E-12
0.25165	8.64E-05	0.99851	0.047653	0.30413
0.03984	-0.02108	0.64952	0.223066	1.12E-06
0.96726	-0.01812	0.69612	0.05015	0.27946

0.21614	-0.12585	0.00646	-0.10371	0.02501
0.09602	0.034241	0.46041	0.037234	0.42211
0.00033	-0.03978	0.39107	0.324655	6.35E-13
0.10761	-0.04569	0.32447	0.071762	0.12147
0.19102	0.055124	0.23445	0.29978	3.75E-11
0.14604	0.143897	0.00182	0.119781	0.00957
0.00848	-0.08377	0.07052	0.464276	2.42E-26
0.81295	0.156973	0.00066	-0.1005	0.0299
6.64E-09	0.22563	8.37E-07	0.069404	0.13423
0.70549	-0.17379	0.00016	0.383645	7.99E-18
0.0184	0.131287	0.00449	0.138935	0.00262
0.00059	-0.04553	0.32622	0.061678	0.18333
0.00173	0.171293	0.0002	0.057905	0.21165
0.6897	-0.10296	0.02609	0.334784	1.08E-13
0.04119	-0.0351	0.44927	-0.27192	2.32E-09
0.24361	-0.11893	0.0101	0.426465	4.62E-22
2.56E-05	-0.19658	1.88E-05	-0.23283	3.62E-07
0.00607	0.079505	0.08612	0.246781	6.57E-08
0.00129	0.070477	0.1283	0.179555	9.56E-05
2.65E-05	-0.02739	0.5549	-0.12287	0.00786
0.06809	-0.01066	0.81825	0.19254	2.80E-05
0.0285	-0.03871	0.40395	0.503312	2.33E-31
0.65	-0.12779	0.00568	0.294288	8.77E-11
0.3168	3.50E-05	0.9994	-0.08704	0.06019
0.44119	0.016914	0.71545	0.148925	0.00125
0.46017	-0.15798	0.00061	0.269948	3.06E-09
0.4526	-0.01719	0.71104	0.161162	0.00047
0.17802	-0.13702	0.00301	0.478505	4.26E-28
0.21628	0.021729	0.63953	-0.04963	0.28445
0.37216	0.051407	0.26757	0.281591	5.84E-10
0.57943	-0.09955	0.03149	0.175674	0.00014
1.43E-05	-0.03257	0.48258	0.204264	8.61E-06
0.01541	0.185266	5.63E-05	0.096825	0.03646
0.03772	-0.02334	0.61487	-0.07248	0.1178
0.00237	0.029718	0.52177	0.232579	3.73E-07
0.00795	-0.02554	0.58197	0.170635	0.00021
0.00019	-0.01577	0.734	-0.21511	2.72E-06
0.02491	0.030603	0.50944	0.307335	1.13E-11
0.05505	-0.08193	0.07693	-0.11225	0.01523
0.36558	0.109276	0.01817	0.178873	0.0001
0.00997	-0.03077	0.50715	0.188881	3.99E-05
0.52338	-0.12246	0.00807	0.106478	0.02137
0.18551	0.092254	0.04631	0.015455	0.73904
0.00012	0.071454	0.12308	0.462495	3.96E-26
0.04493	-0.13688	0.00304	0.265848	5.38E-09

0.00015	-0.04351	0.34811	0.351876	4.66E-15
0.02331	-0.00351	0.93978	0.425476	5.89E-22
0.92143	0.10303	0.02598	-0.16522	0.00034
0.57902	-0.01233	0.79044	-0.00969	0.83458
0.00409	0.110815	0.01659	0.004135	0.92899
0.03097	0.039434	0.3952	0.082044	0.07652
1.52E-08	0.207596	6.08E-06	0.49796	1.24E-30
2.06E-05	-0.21863	1.84E-06	0.021167	0.64821
0.14546	-0.10116	0.02883	0.287712	2.37E-10
3.97E-10	0.265187	5.89E-09	0.290772	1.50E-10
0.00403	-0.04159	0.36987	0.341299	3.33E-14
0.46667	-0.04154	0.37049	0.172564	0.00018
1.25E-05	0.147454	0.0014	0.408088	3.62E-20
0.83144	0.068186	0.14122	0.009243	0.8421
0.62311	0.062398	0.17826	0.039008	0.40033
0.69507	0.08289	0.07353	-0.14135	0.0022
8.23E-10	0.144526	0.00174	0.405761	6.17E-20
0.13922	0.210331	4.55E-06	0.015643	0.73599
0.00036	0.234949	2.81E-07	0.044913	0.33281
8.83E-07	0.195868	2.02E-05	0.2963	6.44E-11
0.85132	-0.13683	0.00305	0.246349	6.94E-08
0.00805	0.048805	0.29258	-0.18972	3.68E-05
0.16618	-0.07477	0.10659	-0.06349	0.17075
0.85529	0.068048	0.14203	-0.01913	0.68017
0.83892	0.024743	0.59379	-0.02134	0.64558
0.60501	0.097124	0.03589	-0.032	0.49023
0.88495	0.031839	0.49247	-0.05682	0.22037
0.82599	0.098287	0.03372	-0.15613	0.00071
0.52659	0.006153	0.8945	0.128916	0.00527
0.88361	0.07515	0.10482	-0.00853	0.85406
0.81154	-0.00218	0.96254	-0.00727	0.87556
0.21892	0.114088	0.01363	0.110176	0.01723
5.77E-06	0.09865	0.03306	0.40001	2.27E-19
1.88E-08	0.18313	6.87E-05	0.149995	0.00115
2.18E-06	-0.03258	0.48247	-0.50909	3.70E-32
0.36303	0.068059	0.14196	-0.27935	8.08E-10
0.0001	-0.07114	0.12473	0.423319	9.94E-22
0.24178	0.047341	0.30731	0.268176	3.91E-09
9.16E-06	-0.13516	0.00343	-0.22593	8.08E-07
3.51E-09	0.004676	0.91972	0.537652	2.43E-36
0.00025	0.036129	0.43603	0.275581	1.39E-09
0.14183	-0.0935	0.04344	0.111476	0.01595
0.85413	-0.04336	0.3498	-0.26158	9.59E-09
0.56715	-0.00454	0.92207	0.157549	0.00063
0.27952	-0.00555	0.90477	-0.06	0.19554

0.03937	-0.10147	0.02834	0.021275	0.64654
0.04898	0.11248	0.01502	0.407595	4.06E-20
0.00135	0.257707	1.61E-08	-0.01655	0.72129
0.00376	0.043602	0.34713	0.101446	0.02838
0.84637	-0.07812	0.09176	0.016483	0.72239
0.00029	-0.05778	0.21265	0.004421	0.92409
0.00348	0.026473	0.56824	0.188132	4.29E-05
0.27319	-0.04123	0.37396	0.164547	0.00036
0.0076	0.027295	0.55628	0.094718	0.04076
0.4422	0.006758	0.8842	-0.0233	0.61546
2.09E-06	0.29676	6.00E-11	0.037818	0.41487
0.00863	-0.00322	0.94473	0.130307	0.0048
0.01136	0.056441	0.22345	-0.35959	1.06E-15
0.01278	0.271511	2.46E-09	-0.35703	1.74E-15
0.04562	0.057147	0.2177	0.075674	0.10241
0.6263	0.054979	0.2357	-0.20062	1.25E-05
0.00016	0.223533	1.06E-06	0.026378	0.56962
2.80E-05	0.013407	0.77261	-0.5045	1.60E-31
0.62772	-0.06593	0.15485	-0.06987	0.1316
0.37211	-0.05747	0.21511	0.136742	0.00307
0.3396	0.000422	0.99274	0.067711	0.14401
0.00984	0.064829	0.16191	-0.09559	0.03892
0.00265	-0.01412	0.76095	-0.22538	8.62E-07
0.04963	0.004778	0.91799	0.306054	1.39E-11
0.73592	-0.13629	0.00317	0.467473	9.93E-27
0.00652	-0.065	0.16077	0.505748	1.08E-31
0.23363	-0.09668	0.03675	0.174191	0.00015
0.53042	0.040968	0.37706	0.002908	0.95002
0.0027	0.00458	0.92137	0.400789	1.90E-19
0.0332	0.013465	0.77165	0.427172	3.89E-22
0.335	-0.05125	0.26908	0.114675	0.01315
0.04927	-0.1193	0.00987	0.078561	0.08993
0.01279	-0.04366	0.34647	0.151299	0.00104
0.54329	0.079903	0.08456	0.042713	0.35706
0.65039	-0.09602	0.03806	0.061742	0.18288
0.01039	0.02183	0.63796	0.257587	1.63E-08
2.31E-07	0.18969	3.70E-05	0.330674	2.23E-13
0.04519	-0.00926	0.84176	0.315593	2.93E-12
0.90702	-0.04227	0.36204	0.326395	4.70E-13
0.02067	0.003716	0.93617	0.295312	7.50E-11
9.95E-10	0.109613	0.01781	0.475228	1.10E-27
0.02219	0.00115	0.98023	0.072739	0.11647
0.15397	-0.04741	0.30662	-0.08345	0.0716
0.68753	-0.10025	0.0303	0.05021	0.27888
1.77E-07	0.249103	4.90E-08	0.305993	1.40E-11

3.87E-05	0.115792	0.01228	0.358897	1.21E-15
0.13109	0.137423	0.00292	-0.27354	1.85E-09
0.12018	-0.02161	0.64132	0.268652	3.66E-09
0.73963	0.217769	2.03E-06	-0.29288	1.09E-10
0.06674	-0.1208	0.00897	0.008072	0.8619
0.11039	0.034323	0.45933	0.047168	0.30909
0.07762	-0.06272	0.17602	-0.12974	0.00498
0.00368	0.155578	0.00074	0.071426	0.12323
0.02872	0.091922	0.04711	-0.01637	0.72415
8.84E-07	0.161988	0.00044	0.164699	0.00035
0.48756	-0.04793	0.3013	0.094859	0.04046
2.59E-05	0.165961	0.00032	0.108075	0.01949
0.03547	0.005183	0.91106	-0.07928	0.08702
0.02649	-0.15507	0.00077	0.162565	0.00042
0.02183	-0.04212	0.36383	0.003051	0.94756
6.79E-05	-0.12757	0.00577	-0.04868	0.29382
0.80692	0.011337	0.80696	0.210371	4.53E-06
0.01751	0.065814	0.15561	0.038534	0.40608
0.17576	-0.09116	0.04897	0.016106	0.72848
0.31771	-0.03898	0.40061	0.008765	0.85016
0.19273	-0.05242	0.25826	0.006254	0.89277
0.07617	-0.00297	0.94901	-0.07441	0.10831
0.04587	-0.06938	0.13437	-0.05189	0.26309
0.39998	-0.0018	0.96909	-0.02005	0.66566
0.52175	-0.04786	0.30203	0.034515	0.45682
0.0388	-0.29848	4.60E-11	0.175301	0.00014
5.48E-08	-0.15049	0.00111	-0.20621	7.03E-06
0.40846	0.077846	0.0929	0.014923	0.74772
0.00146	-0.07111	0.12491	0.236386	2.37E-07
1.38E-07	0.222519	1.19E-06	0.009087	0.84473
0.00448	0.135258	0.0034	0.01447	0.75514
0.02504	0.105065	0.02317	0.220893	1.43E-06
0.00013	-0.06256	0.17711	-0.18807	4.32E-05
0.00023	-0.06857	0.13899	-0.1948	2.24E-05
0.70611	-0.05645	0.22334	0.134232	0.00366
7.40E-07	0.000883	0.98481	-0.04999	0.281
0.00781	-0.01091	0.81409	0.202165	1.07E-05
0.02925	-0.15939	0.00055	0.085281	0.06557
0.97657	-0.02555	0.58177	0.12096	0.00888
0.08631	0.1455	0.00162	0.078474	0.09028
0.72143	0.05288	0.25409	0.016991	0.71419
0.00444	0.108863	0.01861	0.23124	4.36E-07
0.00189	-0.00284	0.95115	0.376664	3.44E-17
0.00633	-0.08579	0.06397	-0.11281	0.01472
0.77525	0.115241	0.0127	-0.15634	0.0007

0.88996	0.01242	0.78894	0.048095	0.29966
0.18451	-0.07439	0.10839	0.236492	2.34E-07
0.41405	-0.02536	0.58464	0.291383	1.36E-10
0.63035	-0.08312	0.07272	0.324017	7.08E-13
0.04334	0.022755	0.6238	0.233357	3.40E-07
0.71503	-0.15585	0.00073	0.251956	3.40E-08
0.50947	-0.11545	0.01254	0.256097	1.98E-08
0.01653	-0.0923	0.04621	0.093997	0.04232
9.14E-06	0.128715	0.00534	-0.09104	0.04927
0.00091	0.101683	0.02801	0.061862	0.18203
0.01654	-0.08902	0.05455	0.021474	0.64345
0.44862	-0.03364	0.4683	0.164718	0.00035
0.29989	-0.02683	0.563	0.371676	9.57E-17
1.67E-05	0.094293	0.04167	0.271722	2.39E-09
0.24217	-0.03559	0.44288	0.419471	2.51E-21
0.06584	0.074244	0.10908	0.126907	0.00603
0.75487	0.061851	0.18211	0.079924	0.08447
0.02246	0.077011	0.09647	-0.28607	3.03E-10
0.94757	-0.06994	0.13127	0.291771	1.29E-10
0.41286	-0.10195	0.02759	0.011832	0.79871
0.07487	0.015908	0.73169	0.3824	1.04E-17
0.0353	0.11051	0.01689	0.070779	0.12667
0.00089	-0.08129	0.07929	0.446767	2.71E-24
0.86921	-0.11508	0.01283	0.295244	7.57E-11
0.01938	-0.00092	0.98414	0.369546	1.47E-16
0.51738	-0.02251	0.62754	0.173759	0.00016
0.0001	-0.02433	0.59991	0.552392	1.16E-38
0.56656	0.010817	0.81566	0.140343	0.00237
5.08E-05	0.215608	2.57E-06	0.229545	5.32E-07
0.6646	-0.05973	0.19762	0.149829	0.00116
0.00017	-0.04329	0.35057	0.63802	9.66E-55
0.66022	0.014401	0.75626	0.1031	0.02588
0.0146	-0.05701	0.21878	0.49933	8.10E-31
0.00051	-0.05329	0.25046	-0.11424	0.0135
0.36489	0.083627	0.071	-0.24687	6.50E-08
0.19746	0.010661	0.81827	0.0508	0.27327
0.39952	0.070503	0.12816	-0.08803	0.05731
0.00252	-0.07404	0.11006	-0.0686	0.13882
0.87215	-0.19525	2.15E-05	0.256723	1.83E-08
0.00234	-0.07747	0.09447	0.128886	0.00528
0.00771	0.003234	0.94443	0.367745	2.12E-16
0.00865	0.087567	0.05864	0.187006	4.78E-05
0.06774	0.08718	0.05977	-0.31898	1.66E-12
0.00046	-0.03924	0.39748	0.106593	0.02123
0.00665	-0.01122	0.80894	0.241089	1.33E-07

0.00108	-0.03292	0.47784	0.260209	1.15E-08
0.60535	-0.01097	0.81304	-0.26783	4.10E-09
0.23427	-0.14964	0.00118	0.077427	0.09467
0.71867	-0.04369	0.34617	0.212928	3.44E-06
0.18758	0.016915	0.71543	0.040635	0.38096
1.80E-12	0.194427	2.33E-05	0.000368	0.99368
0.00415	0.00712	0.87804	-0.01145	0.8051
0.20257	0.107439	0.02022	0.042918	0.35475
0.00664	-0.0792	0.08735	0.222601	1.18E-06
0.30611	-0.12273	0.00793	0.100513	0.02987
0.43612	-0.10759	0.02004	0.083541	0.07129
0.25221	-0.07794	0.09251	0.166076	0.00031
0.00254	-0.0208	0.65399	0.187523	4.55E-05
0.46553	-0.12044	0.00918	0.272318	2.20E-09
0.80026	-0.17791	0.00011	-0.03702	0.42476
0.72996	0.0003	0.99484	-0.09417	0.04193
0.00258	-0.05185	0.26344	0.396886	4.54E-19
0.85906	-0.0624	0.17825	0.272211	2.23E-09
0.8145	0.093594	0.04322	0.049141	0.28926
0.8788	-0.11539	0.01259	0.274253	1.67E-09
0.58269	-0.0672	0.1471	0.13068	0.00468
0.06375	0.036492	0.43143	0.077709	0.09348
0.30678	-0.01286	0.78168	0.360416	9.02E-16
0.29169	-0.07582	0.10175	0.204218	8.65E-06
0.4634	-0.04738	0.30687	0.178456	0.00011
0.16741	0.081419	0.0788	-0.0046	0.92098
0.20411	-0.0291	0.53042	-0.22979	5.17E-07
0.92417	0.016535	0.72154	-0.00661	0.88673
0.03248	-0.11052	0.01688	0.029296	0.5277
0.09656	0.11724	0.01123	0.105578	0.0225
0.0013	0.191449	3.12E-05	0.19482	2.24E-05
4.82E-06	-0.00197	0.9661	0.152914	0.00092
0.54443	-0.0934	0.04365	-0.02306	0.61912
0.58727	-0.01853	0.68954	0.08083	0.081
3.37E-10	0.298	4.95E-11	0.065459	0.15786
0.0001	0.141769	0.00213	0.355281	2.44E-15
0.68731	0.050115	0.2798	-0.16755	0.00028
0.00081	0.008148	0.86059	0.167268	0.00028
0.80127	-0.05933	0.20063	0.156001	0.00072
0.00067	-0.03352	0.46993	0.401822	1.51E-19
0.42734	-0.04368	0.34632	0.256858	1.80E-08
0.82099	-0.08699	0.06031	0.195442	2.11E-05
2.35E-16	0.149901	0.00116	0.492565	6.50E-30
0.06129	-0.07916	0.08751	0.013648	0.76864
0.00723	0.253469	2.80E-08	-0.05933	0.20061



0.00016	-0.09646	0.03719	-0.36971	1.42E-16
0.23503	-0.00452	0.92237	0.189625	3.72E-05
0.87466	0.124466	0.00708	0.07514	0.10486
0.02054	-0.10956	0.01786	0.342137	2.86E-14
0.88865	-0.11447	0.01332	0.269801	3.12E-09
0.4174	-0.09174	0.04754	0.054554	0.23934
3.26E-05	0.031954	0.49092	0.577388	7.19E-43
0.74029	-0.02581	0.57793	0.265812	5.41E-09
0.59932	-0.0157	0.73501	0.066531	0.15115
0.11017	-0.204	8.85E-06	-0.08973	0.05265
0.13431	-0.07504	0.10535	0.142762	0.00198
0.24081	-0.01127	0.80808	-0.11136	0.01606
0.05069	-0.10856	0.01894	0.069555	0.13338
0.66822	-0.08434	0.06862	0.290385	1.59E-10
0.02405	0.01742	0.70731	0.240188	1.49E-07
0.04003	-0.05587	0.22814	0.314952	3.26E-12
0.03346	0.103198	0.02574	-0.19547	2.10E-05
0.9165	-0.09673	0.03665	0.172023	0.00019
0.63328	-0.15452	0.00081	0.195449	2.10E-05
0.48173	-0.04323	0.35126	0.11674	0.01158
0.06676	-0.12302	0.00778	0.02558	0.58136
0.00024	-0.10192	0.02764	-0.06725	0.14678
8.31E-05	0.079153	0.08752	0.114777	0.01307
0.02843	0.084381	0.06848	0.074472	0.108
0.40906	0.006039	0.89644	0.213295	3.31E-06
0.38302	0.003165	0.94561	0.081321	0.07916
0.07417	-0.01125	0.80846	0.234731	2.88E-07
5.06E-08	0.14472	0.00172	0.253847	2.66E-08
0.008	0.107726	0.01988	-0.27061	2.79E-09
0.02612	0.087083	0.06005	0.068723	0.1381
0.00525	-0.10497	0.0233	-0.05979	0.19716
0.07339	-0.02952	0.52453	0.130731	0.00466
0.94283	-0.07083	0.1264	0.120585	0.0091
0.86471	-0.0967	0.03671	0.28098	6.38E-10
0.00175	0.062629	0.17665	-0.4995	7.69E-31
0.1337	0.105439	0.02268	-0.20695	6.51E-06
0.41444	0.246404	6.89E-08	-0.09454	0.04115
0.00012	-0.17692	0.00012	-0.13762	0.00288
0.00019	-0.05092	0.27215	-0.26362	7.28E-09
0.46327	-0.17007	0.00022	0.31732	2.20E-12
1.63E-09	0.032393	0.48497	0.62454	7.11E-52
0.15764	0.021696	0.64003	0.272725	2.08E-09
0.00111	0.241171	1.32E-07	-0.02352	0.61223
0.33498	0.005851	0.89964	0.03758	0.41782
0.00018	0.046033	0.32089	0.141959	0.0021

0.32166	0.021997	0.63539	-0.04833	0.29728
0.70755	-0.02398	0.6053	0.213544	3.22E-06
0.88202	-0.038	0.41266	0.034862	0.4523
0.93134	-0.07636	0.09931	0.072036	0.12005
0.78816	0.013195	0.77611	0.103541	0.02525
0.0079	-0.02478	0.59327	0.391793	1.39E-18
0.2843	-0.0477	0.30365	0.187934	4.37E-05
0.45974	-0.00683	0.88305	-0.00725	0.87586
0.02763	-0.03211	0.48874	0.044089	0.34177
0.02191	-0.02695	0.56134	0.005865	0.8994
0.84424	0.052262	0.25968	0.005879	0.89917
0.87976	0.01834	0.69261	0.087666	0.05835
0.06469	0.001676	0.97118	0.03979	0.39095
0.66771	0.098576	0.0332	0.015424	0.73955
0.01443	-0.11013	0.01728	0.167966	0.00027
0.07907	-0.0715	0.12283	0.056766	0.22079
0.0561	-0.01287	0.78152	0.223602	1.06E-06
5.18E-05	-0.06224	0.17935	-0.06824	0.1409
0.52818	-0.06569	0.15641	-0.00482	0.91726
0.33655	-0.0413	0.37321	0.216133	2.43E-06
0.01958	0.022655	0.62532	0.191237	3.18E-05
0.72048	-0.05981	0.197	0.090027	0.05187
0.49111	-0.0789	0.08855	-0.0394	0.39556
0.96373	0.003957	0.93204	0.002707	0.95348
0.02046	-0.06216	0.17996	-0.01891	0.68357
0.38975	-0.09759	0.03501	0.363241	5.18E-16
0.00052	0.048319	0.29741	0.52727	8.95E-35
0.1084	0.003196	0.94508	0.170602	0.00021
0.24708	-0.03933	0.39646	0.406165	5.63E-20
0.01538	-0.07439	0.1084	0.480338	2.50E-28
0.78438	0.074012	0.11019	0.056352	0.22419
0.05167	-0.01396	0.76342	0.239428	1.64E-07
0.70143	-0.01987	0.66845	0.188386	4.19E-05
0.06408	0.050681	0.2744	0.152501	0.00095
0.24687	-0.07224	0.11901	0.231107	4.43E-07
0.58635	0.055795	0.2288	-0.17724	0.00012
0.01191	0.072645	0.11694	0.172465	0.00018
0.55317	-0.03853	0.40615	0.25046	4.12E-08
0.00027	0.045077	0.33105	0.15352	0.00087
0.18123	-0.09057	0.05046	0.346402	1.30E-14
0.00079	-0.02911	0.53031	0.070846	0.12631
0.36582	-0.04023	0.38574	0.186588	4.97E-05
0.29454	-0.01	0.82943	0.152725	0.00093
0.0102	0.028034	0.54563	0.347924	9.81E-15
0.0367	0.059849	0.19669	0.100529	0.02985

3.89E-12	0.009044	0.84546	0.446411	2.98E-24
0.04182	0.012832	0.78211	0.310627	6.64E-12
0.74576	-0.0125	0.78768	-0.14855	0.00128
0.01065	0.114403	0.01337	0.350294	6.29E-15
0.04604	-0.15285	0.00092	0.187915	4.38E-05
0.15505	0.002504	0.95697	0.131611	0.00439
4.70E-06	0.182095	7.57E-05	0.129252	0.00515
0.22861	-0.09808	0.0341	0.3168	2.40E-12
0.50922	0.037912	0.41371	0.020544	0.65789
0.00392	-0.12472	0.00696	0.146475	0.0015
0.14678	-0.15423	0.00083	0.341338	3.31E-14
0.18935	-0.1113	0.01612	0.524926	1.99E-34
1.26E-05	0.044126	0.34136	0.550282	2.54E-38
0.07654	-0.12998	0.0049	0.423258	1.01E-21
0.07706	-0.02061	0.65694	0.251938	3.41E-08
0.89906	-0.20761	6.07E-06	0.401873	1.49E-19
0.5544	0.022332	0.63025	0.279739	7.64E-10
0.89627	-0.08925	0.05394	0.024452	0.59814
0.13501	0.016257	0.72603	0.151176	0.00105
0.83232	-0.11784	0.01082	0.398546	3.14E-19
0.00206	0.285287	3.40E-10	-0.23451	2.96E-07
0.42444	-0.0394	0.39564	0.085484	0.06493
2.15E-05	0.120786	0.00898	0.209247	5.11E-06
6.14E-05	-0.01427	0.75841	0.297898	5.03E-11
0.03559	0.006116	0.89514	0.085021	0.0664
0.00021	-0.05202	0.26186	0.488332	2.34E-29
0.04166	-0.06388	0.16816	0.214606	2.87E-06
0.05382	-0.09739	0.03538	0.260356	1.13E-08
0.3887	-0.01389	0.76468	0.017418	0.70734
0.66034	-0.06961	0.1331	0.087509	0.05881
0.97012	0.014536	0.75406	-0.04673	0.31359
0.02759	-0.04316	0.35207	-0.12257	0.00801
0.1781	-0.0567	0.22131	0.193018	2.67E-05
0.39769	-0.08837	0.05636	0.152149	0.00097
0.00196	-0.05173	0.26458	-0.28136	6.04E-10
0.05739	-0.12637	0.00625	0.089149	0.0542
0.00632	0.045476	0.32678	0.037088	0.42394
1.27E-05	0.014353	0.75705	0.443384	6.54E-24
0.40164	0.04088	0.37808	0.156075	0.00071
0.29301	-0.06027	0.19353	-0.0245	0.59745
6.02E-05	-0.03825	0.40961	-0.25547	2.15E-08
0.00395	-0.00353	0.93934	-0.25515	2.25E-08
0.03179	-0.02462	0.59566	-0.02576	0.57877
0.00038	-0.0629	0.1748	-0.21613	2.43E-06
0.00042	-0.00675	0.88434	0.61018	5.69E-49

0.53617	0.047797	0.30267	0.368288	1.90E-16
0.04357	0.003308	0.94316	0.075205	0.10456
2.75E-05	-0.01204	0.79526	0.430629	1.66E-22
0.93337	0.124577	0.00703	-0.05297	0.25328
0.00384	-0.08338	0.07184	0.029852	0.51989
0.25638	0.093146	0.04423	0.209293	5.08E-06
0.00348	-0.04289	0.35508	0.487202	3.28E-29
0.52233	-0.09252	0.04568	0.130525	0.00473
0.55672	-0.02015	0.66407	0.063917	0.1679
0.18845	0.038901	0.40163	0.080397	0.08264
0.09402	-0.02595	0.5759	0.212122	3.76E-06
0.75479	0.05094	0.27195	-0.14076	0.0023
0.03043	-0.0504	0.27705	0.259957	1.19E-08
1.01E-06	-0.13975	0.00247	-0.23491	2.82E-07
0.5526	-0.01726	0.70994	0.153719	0.00086
0.16593	0.024297	0.60047	0.217073	2.19E-06
0.60222	0.025477	0.58289	0.051302	0.26855
0.00513	0.018028	0.69759	0.17301	0.00017
0.5254	-0.14831	0.00131	0.08556	0.06469
0.00039	0.085302	0.0655	0.453782	4.23E-25
0.53747	-0.0216	0.6415	0.096307	0.03748
0.08912	-0.06272	0.176	0.126493	0.0062
0.18897	-0.04866	0.29397	0.017912	0.69944
0.12024	-0.13029	0.0048	0.164721	0.00035
0.39395	-0.07683	0.09725	0.072293	0.11873
0.80209	0.097117	0.0359	-0.01595	0.73108
0.90933	-0.03552	0.44386	0.06576	0.15595
0.00015	0.021625	0.64113	0.384084	7.28E-18
0.64808	-0.08776	0.05807	0.09131	0.0486
0.10696	-0.12875	0.00533	0.00381	0.93455
0.298	0.020783	0.65418	0.037839	0.41462
0.47166	-0.09593	0.03824	0.091647	0.04778
0.94687	0.087011	0.06027	-0.16276	0.00041
0.29121	0.073577	0.11231	0.059188	0.20169
0.76218	0.023217	0.61676	0.043269	0.35083
0.48893	0.012675	0.78471	0.009849	0.83189
0.90872	-0.03453	0.4566	0.18447	6.07E-05
0.00829	0.060036	0.19529	0.129086	0.00521
0.69618	0.003174	0.94546	0.106476	0.02137
0.53398	-0.08447	0.06817	0.173557	0.00016
0.78346	-0.04189	0.36637	0.187447	4.58E-05
0.31546	-0.01453	0.7541	0.245216	8.00E-08
0.08982	-0.00266	0.9542	0.358468	1.32E-15
0.14706	0.001161	0.98004	0.150431	0.00111
0.26993	-0.00212	0.96359	0.145352	0.00164

0.26175	-0.04331	0.35033	0.060363	0.19287
0.01033	0.115476	0.01252	0.050234	0.27866
0.20365	-0.05597	0.22733	0.079097	0.08775
0.09435	0.030453	0.51151	0.07436	0.10853
0.50968	-0.03988	0.38984	0.137891	0.00283
0.40862	-0.01315	0.77682	0.151115	0.00105
0.37576	-0.00361	0.938	0.102095	0.02737
0.84406	0.022577	0.6265	0.091605	0.04788
8.38E-05	0.004671	0.9198	0.335485	9.52E-14
0.99887	-0.05772	0.21308	0.123838	0.00738
0.01255	-0.04533	0.32834	-0.10877	0.01871
0.64443	-0.037	0.425	0.19175	3.03E-05
0.51281	-0.00428	0.92657	0.182897	7.03E-05
0.27002	-0.00597	0.89769	0.122402	0.0081
0.08105	-0.07606	0.10065	-0.07117	0.12456
0.06394	-0.06963	0.13296	-0.02986	0.51971
0.99914	0.012795	0.78272	0.048044	0.30017
0.82299	0.009949	0.83021	0.025001	0.58995
0.17834	-0.07505	0.10528	0.025778	0.57844
0.2166	0.029659	0.52259	0.243927	9.40E-08
0.87052	-0.15089	0.00107	0.286117	3.00E-10
0.08353	0.07558	0.10284	-0.31497	3.25E-12
0.00283	0.04007	0.38762	-0.37623	3.76E-17
0.01731	0.046156	0.31959	0.132855	0.00403
0.04992	-0.059	0.20312	0.319657	1.49E-12
4.04E-09	0.049062	0.29004	0.385463	5.43E-18
0.12651	0.121695	0.00847	0.103105	0.02587
0.00828	-0.00719	0.87688	-0.07262	0.11707
0.01314	0.062937	0.17454	-0.37201	8.94E-17
0.24766	0.106234	0.02167	-0.61573	4.47E-50
0.08331	-0.04801	0.30053	0.287213	2.55E-10
0.10233	-0.07649	0.09874	-0.00392	0.93267
1.71E-06	0.138801	0.00265	0.321686	1.05E-12
0.45173	-0.05634	0.22426	0.241661	1.24E-07
0.60488	-0.0757	0.10229	-0.01626	0.72594
0.02983	-0.19095	3.27E-05	0.08048	0.08233
0.62528	-0.09678	0.03655	0.104735	0.0236
0.48107	-0.1132	0.01439	0.249261	4.80E-08
0.00334	0.116359	0.01186	0.336829	7.48E-14
0.76723	-0.0994	0.03175	0.268047	3.98E-09
0.04454	-0.03401	0.46342	0.250069	4.33E-08
0.69258	-0.03177	0.4934	0.323168	8.19E-13
0.24823	0.042041	0.36469	-0.0388	0.40286
0.03546	0.024138	0.60285	0.364523	4.02E-16
1.29E-05	-0.02179	0.63859	0.277695	1.03E-09

0.89367	0.019057	0.68125	0.271132	2.59E-09
0.33594	-0.17735	0.00012	0.241821	1.22E-07
0.00493	0.087679	0.05831	0.085188	0.06587
0.1986	-0.02914	0.52996	0.185457	5.53E-05
0.00249	-0.0728	0.11615	0.084718	0.06738
0.26396	0.043586	0.34731	-0.32577	5.24E-13
0.12703	-0.12839	0.00546	-0.01873	0.6864
2.15E-05	0.058101	0.21011	0.432417	1.06E-22
0.00684	-0.03579	0.44039	0.235254	2.71E-07
0.04919	-0.01302	0.779	0.177642	0.00011
0.09486	-0.09209	0.04671	-0.11228	0.0152
0.00504	-0.08564	0.06443	0.198492	1.55E-05
0.12334	0.019712	0.67093	0.25062	4.04E-08
0.21062	0.107517	0.02013	0.04967	0.2841
0.2807	-0.00251	0.95692	-0.26156	9.61E-09
0.07965	-0.06827	0.14072	-0.04646	0.31644
0.76736	0.068202	0.14113	-0.08499	0.0665
5.13E-06	0.170725	0.00021	0.015099	0.74486
5.55E-05	0.082681	0.07426	0.24963	4.58E-08
0.71703	0.085047	0.06632	0.092285	0.04624
0.21069	0.119908	0.0095	0.175217	0.00014
0.13844	-0.03475	0.45374	0.109039	0.01842
9.76E-05	0.026869	0.56246	0.263529	7.37E-09
0.00193	0.023469	0.61294	0.265095	5.96E-09
0.58568	-0.12423	0.00719	0.229971	5.06E-07
0.11521	0.016345	0.72461	0.254312	2.51E-08
0.11762	-0.04134	0.37269	0.113774	0.01389
0.13274	-0.007	0.88	-0.25227	3.26E-08
0.2347	-1.23E-05	0.99979	0.23261	3.71E-07
0.99459	0.025818	0.57785	0.219628	1.65E-06
0.01312	0.018233	0.69432	0.337318	6.85E-14
0.28462	-0.09488	0.04042	0.278481	9.16E-10
0.03298	0.046703	0.31389	0.164575	0.00036
0.02249	0.113672	0.01398	0.132323	0.00418
0.14882	0.240311	1.47E-07	0.027218	0.5574
0.16483	-0.05214	0.2608	0.239293	1.66E-07
0.43925	-0.13662	0.00309	0.255682	2.10E-08
0.20473	0.003666	0.93703	-0.10395	0.02468
0.22606	-0.12878	0.00532	0.177283	0.00012
0.02667	-0.01341	0.77249	-0.01121	0.80903
0.83552	0.031946	0.49103	0.110452	0.01695
0.05924	0.026591	0.56651	0.178528	0.0001
0.19194	-0.00068	0.98827	0.095551	0.03901
4.05E-10	0.418462	3.19E-21	0.074983	0.10559
0.04253	0.013194	0.77612	0.282662	4.99E-10

0.12788	0.047666	0.304	-0.0132	0.77595
0.06725	-0.01827	0.69381	0.113826	0.01385
0.91299	-0.08354	0.07127	0.101569	0.02818
0.97511	-0.07079	0.12659	0.284808	3.64E-10
0.41753	-0.15595	0.00072	0.27487	1.53E-09
0.95623	-0.04035	0.38432	0.03975	0.39142
0.82876	-0.0143	0.75785	0.059794	0.1971
0.26979	0.061172	0.18696	-0.11324	0.01435
0.5175	-0.06068	0.19054	0.076216	0.09997
4.05E-06	-0.11035	0.01705	-0.30196	2.66E-11
0.01681	0.082373	0.07535	0.430276	1.81E-22
0.87012	-0.05259	0.25667	0.056915	0.21958
0.00265	-0.09626	0.03758	-0.25073	3.98E-08
0.23762	0.048953	0.29112	0.080824	0.08102
9.10E-05	0.042894	0.35503	0.394435	7.80E-19
0.31576	-0.12607	0.00637	0.119655	0.00965
0.00819	-0.01984	0.66888	0.15626	0.0007
0.09747	-0.02793	0.54719	0.168859	0.00025
0.14321	-0.11584	0.01224	-0.16354	0.00039
0.38757	-0.12662	0.00614	0.181212	8.21E-05
0.57712	-0.09174	0.04754	0.218463	1.88E-06
0.65417	-0.13062	0.0047	0.266854	4.69E-09
0.05516	-0.00874	0.85064	0.281268	6.12E-10
0.91198	-0.05002	0.28068	0.137535	0.0029
0.50187	-0.0869	0.0606	0.187143	4.71E-05
0.64319	-0.02211	0.63371	0.174178	0.00016
0.90198	-0.01217	0.79317	0.010342	0.82362
0.84167	-0.08052	0.08217	0.093167	0.04419
0.07448	-0.05868	0.2056	0.065992	0.1545
0.46491	-0.09243	0.04589	-0.03041	0.51211
0.37848	-0.08967	0.0528	0.097006	0.03611
0.70245	-0.0826	0.07455	0.165117	0.00034
0.49881	-0.13772	0.00286	0.236183	2.42E-07
0.22229	-0.12716	0.00593	0.438138	2.51E-23
0.8643	-0.11778	0.01086	0.107167	0.02054
0.01194	-0.10784	0.01975	0.288647	2.06E-10
0.4289	-0.10289	0.02619	-0.08202	0.07661
0.7633	-0.1366	0.0031	0.205301	7.73E-06
0.89824	-0.07407	0.10991	0.07981	0.08492
0.43289	0.023559	0.61158	0.002383	0.95903
0.04209	-0.02826	0.54243	0.168375	0.00026
0.00022	0.053479	0.24873	0.349212	7.71E-15
0.32336	-0.11202	0.01544	0.298833	4.35E-11
0.27169	-0.00296	0.94908	0.15304	0.00091
0.84374	-0.07976	0.08512	-0.02228	0.63104

0.01288	-0.01664	0.71982	0.235508	2.63E-07
0.00046	0.082259	0.07575	0.604288	8.02E-48
0.55045	-0.08464	0.06762	0.124476	0.00708
0.29371	-0.03396	0.46403	0.021737	0.63941
0.11078	0.081277	0.07933	-0.37577	4.15E-17
0.01405	0.022033	0.63484	-0.13061	0.0047
4.94E-06	-0.02124	0.64701	0.402465	1.30E-19
0.35964	-0.10168	0.02801	0.171954	0.00019
0.01047	-0.10716	0.02055	0.24612	7.14E-08
0.01439	0.187809	4.42E-05	0.248315	5.41E-08
4.62E-06	0.214293	2.97E-06	0.165071	0.00034
0.64636	-0.00414	0.92887	0.043858	0.3443
1.91E-09	0.083739	0.07062	0.674288	3.25E-63
1.75E-05	0.028334	0.54134	0.102466	0.02682
4.86E-06	0.052217	0.26009	0.46262	3.83E-26
0.33113	0.032309	0.48611	0.290599	1.54E-10
0.03185	-0.03185	0.49237	0.171162	0.0002
0.60837	0.066589	0.15079	-0.01561	0.73647
0.90383	0.033603	0.46881	-0.24843	5.34E-08
0.3733	-0.01874	0.68621	0.081823	0.07732
0.18907	0.014212	0.75937	0.021979	0.63568
0.25846	-0.02781	0.5489	0.3532	3.63E-15
0.3023	-0.07031	0.1292	0.237846	1.98E-07
0.50353	-0.03542	0.44506	0.03149	0.49723
0.15736	-0.00144	0.97523	-0.01798	0.69831
0.04595	-0.04052	0.38228	-0.01297	0.7799
1.56E-06	0.085805	0.06393	0.116801	0.01154
0.00045	0.092025	0.04686	0.342989	2.45E-14
0.00807	0.163161	0.0004	0.074197	0.10931
0.83998	0.058052	0.21049	-0.20605	7.15E-06
0.24122	0.175019	0.00014	-0.26539	5.72E-09
0.18385	-0.07424	0.10909	0.274357	1.65E-09
0.11426	0.013473	0.77152	0.158043	0.00061
0.0009	0.029783	0.52085	0.438817	2.11E-23
0.84337	0.040672	0.38052	0.175275	0.00014
0.44115	0.012548	0.78682	0.205733	7.39E-06
0.04711	-0.13292	0.00401	0.376257	3.75E-17
0.06535	-0.02003	0.66592	-0.05225	0.25976
0.69697	0.057059	0.21841	0.019466	0.6748
0.0216	-0.00948	0.83814	0.19656	1.88E-05
0.02397	-0.08112	0.0799	0.312956	4.53E-12
0.52259	-0.1068	0.02098	0.383817	7.71E-18
0.06178	0.111251	0.01616	0.118394	0.01045
0.03189	0.021214	0.64748	0.021502	0.64303
2.88E-11	0.373684	6.35E-17	-0.26697	4.62E-09



0.38439	-0.10808	0.01948	0.10734	0.02033
0.72733	-0.14579	0.00158	0.302266	2.54E-11
0.00199	0.095163	0.03982	-0.16851	0.00025
1.32E-08	-0.11775	0.01087	-0.08167	0.07788
4.92E-07	-0.19468	2.27E-05	-0.30553	1.51E-11
0.00495	0.010326	0.82388	0.406112	5.70E-20
0.02411	-0.04779	0.3027	0.336394	8.09E-14
0.00872	0.038994	0.4005	0.140092	0.00241
0.31479	-0.14594	0.00157	0.022753	0.62382
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0.61783	0.087727	0.05818	0.035798	0.44025
0.03796	0.174551	0.00015	0.210312	4.56E-06
0.2551	0.065222	0.15937	-0.12513	0.00678
0.01336	-0.06906	0.13617	-0.30088	3.16E-11
0.30495	-0.01463	0.75246	0.071238	0.12422
0.13515	-0.05864	0.20588	-0.01476	0.75041
0.00608	-0.00627	0.89243	0.20227	1.06E-05
0.08948	-0.00455	0.92196	0.261485	9.71E-09
0.11867	0.203947	8.90E-06	-0.20192	1.10E-05
0.12668	0.02525	0.58625	-0.23947	1.63E-07
0.18293	-0.17077	0.00021	0.20964	4.90E-06
1.58E-07	0.052861	0.25426	0.548015	5.84E-38
1.96E-05	0.124758	0.00695	0.318369	1.85E-12
0.06915	-0.04422	0.34038	-0.34347	2.24E-14
5.29E-08	0.161395	0.00046	0.345203	1.63E-14
0.00019	-0.13458	0.00357	-0.28486	3.62E-10
0.31413	0.071532	0.12267	-0.00226	0.96119
0.821	0.009441	0.83876	-0.28231	5.26E-10
0.5458	-0.0115	0.8042	0.17801	0.00011
0.29795	-0.05872	0.20525	0.256546	1.87E-08
0.08475	-0.16864	0.00025	0.125168	0.00676
0.00013	0.072361	0.11838	0.239316	1.66E-07
0.49247	-0.04816	0.29904	-0.07378	0.11132
3.78E-07	-0.05039	0.27718	-0.32192	1.01E-12
0.75569	-0.09822	0.03384	0.054428	0.24043
0.00097	-0.12995	0.00491	0.561813	3.32E-40
7.26E-07	0.184972	5.79E-05	0.121409	0.00863
0.03389	-0.02023	0.66283	0.330026	2.50E-13
0.03158	0.28463	3.74E-10	-0.11244	0.01506
0.00133	0.166157	0.00031	0.141171	0.00223
7.65E-07	0.296381	6.36E-11	0.162053	0.00044
0.39012	0.043202	0.35158	0.129305	0.00513
5.45E-06	-0.04127	0.37358	-0.29305	1.06E-10
0.00152	-0.03914	0.39876	-0.39884	2.94E-19
0.14301	-0.12858	0.00539	0.147212	0.00142

2.49E-05	-0.03089	0.50553	-0.00901	0.84609
7.15E-05	-0.04227	0.36206	0.41822	3.38E-21
0.75106	-0.04763	0.30439	0.182223	7.48E-05
0.37083	0.140897	0.00227	-0.1115	0.01593
0.11005	0.276967	1.14E-09	-0.36688	2.52E-16
0.01681	0.185948	5.28E-05	-0.01584	0.73277
1.63E-09	0.115784	0.01229	0.257992	1.55E-08
0.97973	-0.02078	0.65423	0.409888	2.39E-20
0.09774	-0.17241	0.00018	0.343571	2.20E-14
8.48E-06	0.118423	0.01043	0.142176	0.00207
0.08797	0.033201	0.47415	0.342875	2.50E-14
0.82284	-0.06148	0.18473	0.050437	0.27672
0.00122	0.077498	0.09437	0.430131	1.87E-22
0.01575	-0.122	0.00831	-0.01815	0.69559
0.57694	-0.10632	0.02157	-0.09439	0.04147
9.15E-07	0.256003	2.01E-08	0.012341	0.79025
1.38E-18	0.328616	3.20E-13	0.413387	1.06E-20
0.0043	0.219595	1.66E-06	-0.09322	0.04406
0.03251	0.010495	0.82105	0.070729	0.12694
0.00985	-0.00144	0.97532	0.343481	2.23E-14
0.81392	-0.1159	0.0122	0.223369	1.08E-06
0.03409	-0.09978	0.03109	0.417715	3.81E-21
0.48558	-0.12087	0.00893	0.286953	2.65E-10
0.01975	0.176231	0.00013	0.037663	0.41679
0.0016	-0.0917	0.04765	-0.12767	0.00573
0.05976	0.087262	0.05953	-0.25948	1.27E-08
7.96E-06	0.242667	1.10E-07	0.143055	0.00194
0.59514	-0.11491	0.01296	0.135868	0.00326
0.01412	-0.0102	0.82606	0.09401	0.04229
0.17464	-0.02888	0.53362	0.021446	0.64389
0.00466	0.101032	0.02903	-0.52936	4.37E-35
0.35801	0.133505	0.00385	0.005576	0.90434
0.07405	0.201109	1.19E-05	0.077896	0.09269
0.00445	0.068083	0.14182	0.100963	0.02914
0.00013	0.176324	0.00013	0.305149	1.61E-11
0.70954	0.024178	0.60226	-0.14774	0.00137
0.00065	-0.05049	0.27619	0.361808	6.87E-16
0.8635	0.056721	0.22116	-0.06555	0.15728
0.00231	0.160399	0.0005	-0.19689	1.82E-05
0.97847	0.01315	0.77685	0.123357	0.00761
0.35486	-0.06362	0.16989	0.098247	0.03379
0.66033	-0.07046	0.12839	0.332481	1.62E-13
0.01027	-0.04625	0.31859	0.438952	2.04E-23
2.50E-08	-0.03101	0.50383	0.76705	1.14E-91
0.0003	0.057125	0.21788	0.495418	2.72E-30

1.76E-06	-0.00932	0.84082	0.5157	4.31E-33
0.96457	-0.05247	0.25776	0.377455	2.92E-17
1.41E-09	0.037321	0.42103	0.625411	4.69E-52
0.45545	0.001788	0.96926	-0.14844	0.0013
0.08322	-0.0119	0.79756	-0.01222	0.79223
0.00416	-0.04789	0.30172	0.321243	1.14E-12
0.02401	-0.03318	0.47444	0.161496	0.00046
0.00966	0.008588	0.85315	0.009768	0.83326
0.37524	0.059531	0.19908	0.277817	1.01E-09
0.06268	-0.071	0.12546	0.013378	0.77309
0.62709	-0.07224	0.11902	0.224033	1.00E-06
0.08263	0.032782	0.47974	-0.01843	0.6912
0.74507	-0.08334	0.07197	0.245686	7.54E-08
0.7459	0.042564	0.35874	0.035178	0.44822
3.74E-05	0.172651	0.00018	0.16584	0.00032
0.61732	-0.04415	0.34109	-0.00459	0.92118
0.1046	-0.03765	0.41694	0.041241	0.37388
0.16813	-0.06858	0.13891	0.132426	0.00415
0.00549	0.032651	0.4815	0.038107	0.41131
0.11642	-0.0754	0.10366	-0.0211	0.64929
0.3897	-0.05843	0.20756	0.030373	0.51262
0.27707	-0.08651	0.06175	0.132444	0.00414
0.00535	0.045481	0.32673	-0.03942	0.39537
0.71447	-0.13993	0.00244	0.169959	0.00022
0.43197	-0.10761	0.02001	0.236739	2.27E-07
0.88875	-0.04441	0.33827	0.088922	0.05482
0.79614	-0.03852	0.4063	0.148019	0.00134
0.26676	-0.01811	0.69622	0.22335	1.09E-06
0.01603	0.122204	0.0082	0.018909	0.68359
0.00147	-0.02554	0.58202	-0.20485	8.10E-06
0.56419	-0.036	0.43765	-0.06752	0.14516
0.01353	-0.04553	0.32621	0.340158	4.10E-14
0.12612	-0.06293	0.17459	-0.14354	0.00187
3.40E-05	-0.04167	0.36897	0.486982	3.50E-29
0.00054	0.064234	0.1658	0.1601	0.00051
0.1445	0.111129	0.01628	-0.07838	0.09066
0.32835	-0.12022	0.00931	0.138184	0.00277
0.49208	0.00967	0.8349	0.007638	0.86924
0.13297	0.006185	0.89396	0.006436	0.88967
0.00732	-0.0687	0.13826	-0.05505	0.23507
0.05716	0.004626	0.92058	0.013585	0.76968
0.30796	0.007148	0.87757	0.03199	0.49043
0.0643	0.143267	0.00191	-0.12678	0.00608
0.16588	-0.18282	7.07E-05	-0.03467	0.45473
0.96814	0.08007	0.0839	-0.06469	0.16278

7.31E-05	0.174236	0.00015	0.248113	5.55E-08
0.00516	-0.14303	0.00194	-0.28199	5.51E-10
0.0362	-0.01397	0.76332	-0.06862	0.13867
1.09E-06	0.109435	0.018	0.075065	0.10521
0.07607	0.087449	0.05898	0.173467	0.00017
0.14404	-2.96E-05	0.99949	-0.02598	0.57551
0.5904	-0.10535	0.02279	0.140366	0.00236
0.14203	-0.01386	0.76518	0.295995	6.75E-11
0.01235	-0.02691	0.56186	-0.13649	0.00312
0.16777	-0.05596	0.22746	0.111004	0.0164
0.49975	-0.03957	0.39354	0.102595	0.02662
0.07145	-0.00748	0.87192	0.035098	0.44924
0.09214	-0.11668	0.01162	0.176029	0.00013
0.44394	-0.01878	0.68557	0.372393	8.27E-17
0.97971	-0.11183	0.01562	0.139661	0.00249
0.66691	0.083956	0.06989	0.033079	0.47577
0.00028	0.022462	0.62827	0.418843	2.91E-21
0.01003	0.056792	0.22058	-0.22506	8.93E-07
5.13E-05	-0.23965	1.59E-07	0.178413	0.00011
0.87972	0.089769	0.05255	-0.15767	0.00063
0.61763	-0.07635	0.09938	0.148125	0.00133
6.25E-06	0.049773	0.2831	-0.15279	0.00092
0.02679	-0.13599	0.00323	0.368439	1.84E-16
0.58795	0.00659	0.88705	0.227962	6.40E-07
8.06E-08	0.043094	0.35278	0.243709	9.66E-08
0.53254	-0.10663	0.02118	0.232499	3.76E-07
0.57413	0.021081	0.64954	0.006283	0.89229
0.90981	-0.04771	0.30354	0.110651	0.01675
4.72E-05	0.078723	0.08926	0.44826	1.83E-24
0.2995	-0.05634	0.22432	0.095318	0.03949
0.75011	-0.03416	0.46146	0.195722	2.05E-05
0.49745	0.082752	0.07401	-0.06451	0.164
0.00073	-0.01046	0.82156	0.488229	2.41E-29
0.13502	-0.05486	0.23675	0.069302	0.13481
0.71638	-0.10348	0.02533	0.188375	4.19E-05
0.05245	-0.02603	0.57479	0.208482	5.54E-06
0.93959	-0.03771	0.41621	0.07789	0.09271
0.42085	-0.12141	0.00863	0.163469	0.00039
0.00331	0.028526	0.53861	0.384846	6.20E-18
0.02078	0.056937	0.2194	-0.26934	3.33E-09
0.04023	-0.03601	0.4376	0.280839	6.51E-10
0.25267	0.088091	0.05714	0.327254	4.05E-13
2.70E-06	0.186921	4.81E-05	0.413131	1.12E-20
0.00443	0.121603	0.00852	0.139714	0.00248
0.17603	-0.11121	0.01621	0.08882	0.0551

0.00031	0.046641	0.31453	0.021323	0.6458
0.04393	-0.00757	0.87036	0.219823	1.61E-06
0.00236	-0.00072	0.98767	-0.24171	1.24E-07
0.11992	-0.0771	0.09608	0.098704	0.03296
0.4025	0.086282	0.06245	0.148116	0.00133
0.00493	-0.02298	0.62029	0.440198	1.49E-23
0.58916	-0.03375	0.4669	-0.00914	0.84383
0.01155	-0.055	0.23554	0.259799	1.22E-08
0.07204	-0.00974	0.83365	0.224744	9.26E-07
0.0127	0.022253	0.63147	0.200472	1.27E-05
0.28538	-0.03253	0.4831	0.017677	0.7032
0.33472	0.018671	0.68736	-0.08564	0.06445
0.73288	0.013901	0.76446	0.096125	0.03784
0.0126	-0.09844	0.03344	-0.05858	0.20634
0.75962	-0.13968	0.00248	0.141681	0.00215
0.11109	-0.06719	0.14711	0.121679	0.00848
0.10599	-0.0274	0.55476	0.121028	0.00884
0.7379	0.004953	0.91499	0.133246	0.00392
0.14356	-0.04636	0.31747	-0.01564	0.73608
0.01409	-0.11503	0.01287	0.026431	0.56885
0.4773	-0.07495	0.10575	0.242661	1.10E-07
0.48852	0.100261	0.03029	-0.34576	1.47E-14
0.03339	0.00239	0.95892	0.32924	2.87E-13
0.56023	-0.18195	7.67E-05	0.34527	1.61E-14
1.53E-10	0.098047	0.03416	0.397845	3.67E-19
3.12E-07	0.209515	4.96E-06	-0.05777	0.21274
0.00019	0.047554	0.30513	0.402142	1.40E-19
0.08597	0.076011	0.10088	0.246366	6.93E-08
0.01517	-0.03519	0.44807	-0.01223	0.79211
0.09998	0.147997	0.00134	0.186955	4.80E-05
0.45527	-0.03105	0.50331	0.323315	7.99E-13
5.03E-05	0.027834	0.5485	0.579622	2.90E-43
0.16809	-0.17254	0.00018	0.131745	0.00435
0.0453	0.030148	0.51575	-0.22989	5.11E-07
0.26605	0.053811	0.24581	0.347169	1.13E-14
0.25372	0.006247	0.8929	0.119275	0.00988
0.98368	0.011125	0.8105	-0.03819	0.41027
0.39677	0.161862	0.00045	-0.0629	0.17479
0.24173	-0.01412	0.76087	0.304863	1.68E-11
0.51507	0.105115	0.0231	-0.09967	0.03128
0.70645	-0.10318	0.02576	0.295028	7.83E-11
0.72899	0.162383	0.00043	-0.03583	0.4398
0.57491	0.0022	0.96218	0.099758	0.03113
0.00068	0.101138	0.02886	0.179303	9.78E-05
0.03659	0.107257	0.02043	0.140487	0.00234

2.33E-08	-0.12781	0.00568	-0.05571	0.22955
0.00037	-0.11912	0.00998	0.396365	5.10E-19
0.03072	0.094455	0.04132	-0.17243	0.00018
0.00531	0.03115	0.5019	-0.11684	0.01151
4.60E-05	-0.07953	0.08604	-0.16328	0.0004
0.07803	-0.03587	0.43933	-0.08413	0.06932
0.01833	0.045932	0.32195	0.464694	2.16E-26
9.19E-06	0.245673	7.56E-08	0.295207	7.62E-11
0.3943	-0.01598	0.73047	0.03596	0.43818
0.64434	-0.08262	0.07448	-0.12465	0.007
3.87E-11	0.174333	0.00015	0.433182	8.77E-23
0.00944	-0.06162	0.18377	-0.2733	1.91E-09
6.69E-06	0.103794	0.02489	0.050836	0.27293
0.5954	-0.01525	0.74232	0.100346	0.03015
0.1502	-0.04343	0.34901	0.087953	0.05753
0.4024	-0.0275	0.55333	-0.15176	0.001
0.79362	0.074771	0.10658	-0.07006	0.13059
0.23997	-0.12796	0.00562	0.113336	0.01426
0.00029	0.16323	0.0004	0.554849	4.65E-39
0.20555	0.057035	0.21861	0.129175	0.00518
0.38884	0.17009	0.00022	-0.26396	6.95E-09
0.00021	-0.01792	0.69925	0.296547	6.20E-11
0.61488	-0.06033	0.19313	0.267472	4.31E-09
0.09865	0.247725	5.83E-08	-0.19337	2.58E-05
0.00028	0.200458	1.27E-05	0.122181	0.00821
0.39806	-0.14529	0.00164	0.147953	0.00134
0.54173	-0.02707	0.55953	0.172428	0.00018
0.11639	0.064832	0.16189	0.324086	7.00E-13
0.50146	-0.01424	0.75883	0.055552	0.23084
0.13351	0.002567	0.95587	0.301085	3.06E-11
0.0008	0.11601	0.01212	0.035642	0.44225
1.17E-09	-0.02724	0.55701	0.578184	5.21E-43
0.00858	0.015075	0.74524	0.396287	5.19E-19
0.00114	0.008423	0.85594	0.148239	0.00132
1.08E-05	0.002268	0.96102	0.521767	5.76E-34
0.04054	-0.07399	0.11028	0.257631	1.62E-08
0.9539	0.001076	0.9815	0.047765	0.30299
0.00012	0.093854	0.04264	0.240592	1.42E-07
0.6549	0.059493	0.19937	-0.02681	0.56329
0.0812	0.039733	0.39162	0.265732	5.47E-09
0.27251	-0.00964	0.83533	-0.04682	0.31264
0.40121	0.002311	0.96028	-0.16422	0.00037
0.00178	-0.03632	0.4336	0.013962	0.76347
0.11251	-0.0689	0.13708	-0.017	0.714
0.71594	0.032649	0.48153	-0.00724	0.87602

1.73E-05	0.177028	0.00012	0.160074	0.00052
0.1524	-0.11046	0.01694	0.336868	7.43E-14
0.04894	0.109403	0.01803	-0.0664	0.15199
0.53232	-0.14477	0.00171	0.221398	1.35E-06
4.77E-12	-0.22261	1.18E-06	-0.23225	3.87E-07
0.11723	0.099189	0.03211	0.120277	0.00928
0.0002	-0.02996	0.51836	0.091811	0.04738
0.14616	-0.10914	0.01831	0.169455	0.00023
0.00112	-0.29914	4.14E-11	0.080827	0.08101
0.68324	-0.02737	0.55522	0.082708	0.07416
0.492	0.035016	0.45031	-0.09177	0.04747
0.04081	-0.06616	0.15344	0.483482	9.91E-29
0.00011	0.239066	1.71E-07	0.003378	0.94196
0.04949	-0.22822	6.21E-07	0.215309	2.66E-06
0.92089	0.030198	0.51506	-0.1661	0.00031
0.01457	-0.03914	0.39869	-0.11884	0.01016
0.001	-0.09134	0.04853	-0.14858	0.00128
0.39742	0.038256	0.40948	0.006064	0.89602
0.89072	0.119611	0.00968	-0.07503	0.10537
0.68777	-0.07975	0.08514	0.170504	0.00021
0.00627	0.15	0.00115	0.045558	0.32591
0.03717	0.026697	0.56496	-0.09885	0.0327
0.22522	-0.06873	0.13805	0.247622	5.91E-08
0.2249	-0.10079	0.02941	0.090729	0.05006
0.01408	0.067186	0.14716	0.306626	1.27E-11
0.08781	0.030921	0.50505	-0.09513	0.03989
0.44749	-0.07615	0.10028	0.434134	6.91E-23
4.67E-11	0.081218	0.07955	0.517185	2.64E-33
8.09E-15	0.291545	1.33E-10	0.281802	5.66E-10
3.72E-08	0.131309	0.00448	0.413629	1.00E-20
0.01603	0.020198	0.6633	-0.06636	0.1522
0.30565	-0.11035	0.01705	0.443966	5.62E-24
0.19539	-0.04673	0.31361	0.148611	0.00128
0.00287	-0.13765	0.00287	0.565847	6.99E-41
0.13363	0.093363	0.04374	-0.10915	0.0183
0.00198	-0.02882	0.53448	0.431277	1.41E-22
0.72794	-0.1153	0.01266	0.307824	1.05E-11
0.28128	-0.04365	0.34658	0.107257	0.02043
0.19041	-0.13112	0.00454	0.074765	0.10661
0.00339	-0.06325	0.17242	-0.14932	0.00121
3.24E-13	0.060138	0.19453	0.500304	5.98E-31
0.46095	-0.00687	0.88224	0.153705	0.00086
0.00776	-0.08777	0.05804	-0.29535	7.45E-11
0.34749	-0.15218	0.00097	0.082816	0.07379
0.08934	0.005211	0.91058	0.105213	0.02297

0.69877	-0.19838	1.57E-05	0.322859	8.63E-13
0.06873	0.015477	0.73869	0.201347	1.16E-05
0.44672	0.100417	0.03003	-0.30033	3.44E-11
0.04773	-0.01482	0.74936	0.086212	0.06267
0.00076	-0.03137	0.49886	0.326885	4.32E-13
0.01366	0.094759	0.04067	-0.21732	2.13E-06
0.72784	-0.003	0.94841	-0.3404	3.92E-14
0.30954	-0.00275	0.9527	0.225332	8.66E-07
0.28085	-0.02982	0.52032	0.39152	1.48E-18
0.0156	0.151315	0.00104	0.082943	0.07334
0.00014	0.184833	5.86E-05	0.106299	0.02159
0.01201	0.03655	0.4307	0.445259	4.02E-24
0.00154	-0.03384	0.46569	0.55157	1.58E-38
0.0069	0.185041	5.75E-05	0.181857	7.74E-05
0.18912	0.054184	0.24255	0.087388	0.05916
0.35791	-0.00429	0.9263	-0.02161	0.64142
0.73985	0.015567	0.73723	0.168411	0.00026
0.12462	0.042325	0.36145	0.045491	0.32662
0.03456	0.079644	0.08557	-0.13412	0.00369
0.00167	0.057822	0.21231	0.162094	0.00044
0.44022	-0.01691	0.71547	0.18972	3.68E-05
0.57535	0.104444	0.024	-0.12091	0.00891
0.00011	0.003909	0.93285	0.35785	1.48E-15
0.1901	0.029532	0.52437	-0.19345	2.56E-05
0.57962	-0.09764	0.03491	0.204115	8.75E-06
0.00472	0.005834	0.89995	-0.09716	0.03582
0.00027	0.060533	0.19162	0.173811	0.00016
0.4209	-0.02555	0.58174	0.230108	4.98E-07
0.4034	-0.02316	0.61767	0.257688	1.61E-08
0.77852	-0.09933	0.03186	0.176362	0.00013
0.92498	-0.05933	0.20064	0.084867	0.06689
0.44817	-0.05695	0.21929	0.041572	0.37006
0.76856	-0.03629	0.43395	0.23306	3.52E-07
0.97863	-0.0396	0.39317	0.028917	0.53305
0.74515	-0.01583	0.73298	-0.04452	0.33707
0.66017	-0.06721	0.14702	0.096333	0.03743
0.00452	-0.11828	0.01052	-0.16418	0.00037
0.83231	0.044639	0.33577	-0.20231	1.05E-05
0.45676	0.018625	0.68809	0.187309	4.64E-05
1.21E-05	0.332813	1.53E-13	0.180385	8.86E-05
1.33E-06	0.170703	0.00021	0.056651	0.22173
0.89412	-0.08038	0.0827	0.006009	0.89696
0.26643	0.130845	0.00462	-0.23193	4.02E-07
0.52599	-0.15142	0.00103	0.133705	0.0038
0.59512	0.007821	0.86613	0.137494	0.00291



0.06348	-0.05685	0.22007	0.334878	1.06E-13
5.53E-05	-0.009	0.84621	-0.10293	0.02612
5.44E-19	0.419669	2.39E-21	0.22754	6.72E-07
1.60E-10	0.242446	1.13E-07	-0.08171	0.07772
0.16636	-0.0818	0.0774	0.116335	0.01187
0.20239	-0.02811	0.54451	0.270181	2.96E-09
0.00298	-0.01951	0.67415	0.311207	6.04E-12
0.14124	-0.02496	0.59062	0.283065	4.71E-10
0.86121	0.068936	0.13688	0.025231	0.58653
1.66E-08	0.240549	1.43E-07	0.272419	2.17E-09
8.27E-05	0.089491	0.05328	0.280362	6.98E-10
0.86334	-0.0212	0.64764	0.1025	0.02676
0.24596	0.025671	0.58001	0.097472	0.03523
0.09829	0.085832	0.06384	-0.04075	0.3796
0.03399	-0.01088	0.81465	-0.07504	0.10532
0.5611	0.008117	0.86113	0.103206	0.02573
0.97918	-0.02313	0.61802	0.005222	0.9104
0.92033	0.043621	0.34693	0.033008	0.47671
0.02341	-0.16655	0.0003	-0.12882	0.0053
0.40779	-0.0514	0.26761	0.184009	6.33E-05
0.02935	-0.10688	0.02088	-0.11421	0.01353
0.21286	-0.10214	0.0273	0.323777	7.38E-13
0.0003	0.043282	0.35068	0.403755	9.74E-20
0.15425	0.137498	0.00291	-0.34549	1.54E-14
1.10E-07	0.36789	2.05E-16	-0.0169	0.71561
0.01732	0.04611	0.32008	0.235721	2.56E-07
0.8209	-0.09147	0.04821	0.265014	6.03E-09
0.17187	-0.02908	0.5308	-0.13304	0.00397
0.97819	-0.00821	0.85963	0.078386	0.09064
6.72E-06	0.085995	0.06333	0.279271	8.17E-10
0.00014	0.035853	0.43955	0.289954	1.69E-10
0.80047	0.008351	0.85717	0.19598	2.00E-05
0.00093	0.24347	9.95E-08	0.02876	0.53528
0.7644	-0.09587	0.03836	0.095438	0.03925
0.09351	-0.00809	0.86164	0.246675	6.66E-08
0.61785	0.143021	0.00195	-0.21242	3.64E-06
4.41E-06	0.026284	0.571	-0.23854	1.82E-07
0.17225	0.202303	1.05E-05	-0.14482	0.0017
0.00046	-0.02275	0.62388	0.397905	3.62E-19
0.23722	0.060015	0.19545	-0.16159	0.00046
0.91157	-0.14274	0.00199	0.148667	0.00127
0.73773	-0.04094	0.37739	0.037572	0.41791
0.52565	0.044763	0.33443	0.03633	0.43348
0.00013	0.035297	0.44667	0.066736	0.14989
0.59056	-0.01865	0.68772	0.130135	0.00485

0.03405	-0.03811	0.41127	0.370456	1.23E-16
9.18E-08	-0.00429	0.9263	0.58902	5.91E-45
0.99536	-0.00217	0.96266	0.028937	0.53276
0.77736	-0.06564	0.15669	0.009715	0.83415
3.21E-08	0.041942	0.36581	0.428548	2.77E-22
0.1947	0.118609	0.01031	0.117385	0.01113
5.16E-05	0.214822	2.80E-06	0.250032	4.35E-08
1.03E-06	0.027231	0.55721	0.588299	8.01E-45
0.25741	-0.03922	0.39781	0.30753	1.10E-11
0.00741	0.05661	0.22206	-0.39048	1.85E-18
0.8629	-0.00709	0.8785	0.267348	4.38E-09
0.66665	-0.03941	0.39543	0.030327	0.51327
0.19406	-0.2193	1.71E-06	0.098604	0.03314
0.40169	0.003704	0.93636	-0.17648	0.00013
1.02E-06	0.067037	0.14806	0.353215	3.62E-15
0.02732	0.005423	0.90695	0.609906	6.44E-49
0.51965	0.112699	0.01482	0.207476	6.16E-06
0.7027	-0.0047	0.91925	-0.00988	0.83135
0.00221	-0.09526	0.03962	-0.03643	0.43227
0.48075	0.090345	0.05104	-0.07979	0.08501
0.22956	-0.02048	0.65895	0.009042	0.84549
0.20302	-0.01159	0.80267	0.252931	3.00E-08
0.53741	-0.0833	0.07211	0.071054	0.1252
0.52045	0.049383	0.28689	-0.05915	0.20197
0.86835	0.035269	0.44704	-0.05439	0.24077
0.27236	-0.00197	0.96614	0.004457	0.92347
0.27531	0.010088	0.82787	-0.08394	0.06995
0.54941	0.010535	0.82038	0.010888	0.81446
0.02887	0.034619	0.45545	0.045479	0.32675
0.09518	0.104731	0.02361	-0.03907	0.39957
0.84192	-0.00983	0.83217	-0.02227	0.63114
0.88523	-0.01845	0.69091	-0.01387	0.76491
0.5261	-0.0731	0.11467	0.094866	0.04044
0.45912	0.011749	0.8001	0.080963	0.0805
0.22999	0.075292	0.10416	-0.13157	0.0044
0.04789	-0.06292	0.17467	-0.08488	0.06685
0.3822	0.030302	0.51361	-0.03675	0.42818
0.66802	-0.01644	0.72312	0.057149	0.21769
0.32387	-0.11112	0.01629	0.02721	0.55751
0.95747	-0.02917	0.52944	0.052739	0.25536
0.0051	-0.04052	0.38231	-0.03287	0.47863
0.60983	0.001847	0.96825	-0.02213	0.63333
0.29068	0.033983	0.46379	0.139511	0.00251
0.4906	-0.13377	0.00378	0.253581	2.76E-08
0.12291	-0.04237	0.36098	-0.02873	0.53567

0.97284	0.023855	0.60711	-0.12671	0.00611
0.04738	0.018381	0.69197	0.171866	0.00019
0.51728	0.021461	0.64365	0.019326	0.677
0.08046	-0.10973	0.01768	0.247146	6.28E-08
0.64361	-0.07314	0.11446	-0.05926	0.20115
0.00325	0.124579	0.00703	0.095589	0.03893
0.28221	-0.03824	0.4097	-0.00729	0.87519
0.02491	0.108823	0.01865	7.05E-05	0.99879
0.00024	0.006965	0.88067	0.168778	0.00025
0.56887	-0.05999	0.19566	0.102298	0.02707
0.88656	0.00049	0.99157	0.102034	0.02747
7.87E-06	-0.15466	0.0008	-0.0404	0.3837
0.09628	0.025872	0.57705	-0.06781	0.14344
0.01045	0.074964	0.10568	0.031143	0.50198
0.25234	-0.0402	0.3861	0.156866	0.00067
0.01622	0.093254	0.04399	0.01484	0.74908
0.3944	-0.04028	0.38518	0.09337	0.04372
0.03968	-0.08009	0.08381	0.004044	0.93055
0.00024	0.226566	7.52E-07	-0.0169	0.7156
2.42E-05	0.1119	0.01555	0.174217	0.00015
0.05785	0.080952	0.08054	-0.03975	0.39139
0.03903	0.015577	0.73707	0.190243	3.50E-05
0.72476	-0.08754	0.05871	0.087769	0.05806
0.35046	-0.01591	0.73166	0.057586	0.21419
0.78539	0.002521	0.95666	-0.034	0.46356
0.40239	0.005758	0.90124	0.065689	0.1564
0.26906	-0.0604	0.19258	0.182219	7.48E-05
0.08667	-0.00393	0.93244	-0.03713	0.42335
0.77817	0.016115	0.72834	-0.09969	0.03125
0.3785	0.012811	0.78246	0.109662	0.01776
0.00188	0.226592	7.50E-07	0.176576	0.00013
0.45731	-0.03753	0.41847	-0.07198	0.12036
0.00046	-0.14952	0.00119	-0.05628	0.22481
0.51597	-0.06332	0.17195	-0.0153	0.74151
0.00601	0.021277	0.6465	-0.02766	0.55095
0.73533	-0.02626	0.57136	-0.04665	0.31446
0.00767	0.07981	0.08492	0.093099	0.04434
0.97863	0.045994	0.3213	-0.21223	3.71E-06
0.68664	-0.06148	0.18475	0.00741	0.87312
0.27087	0.030844	0.5061	-0.02657	0.56685
0.86725	-0.02988	0.51952	0.13354	0.00384
0.41191	-0.00512	0.91205	0.012919	0.78066
0.91987	-0.07934	0.08676	0.010367	0.82319
0.28541	-0.09715	0.03584	0.033399	0.47151
0.59724	0.018771	0.68578	0.008597	0.853

0.42582	-0.01257	0.78645	-0.04383	0.34457
0.58817	-0.09249	0.04576	0.064657	0.16303
0.09386	0.092789	0.04506	-0.05724	0.21695
0.05929	-0.05127	0.26881	-0.18441	6.10E-05
0.88215	-0.0503	0.27799	-0.02904	0.53128
0.00491	0.075626	0.10263	0.081442	0.07872
0.56545	-0.09733	0.03549	0.133695	0.0038
0.39158	0.001234	0.97879	0.062123	0.18019
0.40083	0.058493	0.20704	-0.02703	0.56014
0.45549	-0.0331	0.47545	-0.04439	0.3385
0.53449	-0.06239	0.17833	-0.05495	0.23593
0.08136	-0.0859	0.06364	0.019056	0.68127
0.71582	0.061143	0.18717	-0.05034	0.2776
0.10225	0.00611	0.89524	0.184499	6.05E-05
0.27235	-0.0387	0.40401	0.018592	0.68861
0.00748	-0.04898	0.29088	0.131886	0.0043
0.61449	-0.06232	0.17882	0.090948	0.04951
0.67111	-0.02057	0.65754	-0.03107	0.50293
0.34294	-0.02214	0.63314	-0.06231	0.17888
0.93348	-0.06088	0.18906	0.011943	0.79687
0.05237	-0.07048	0.12827	0.062821	0.17533
0.98173	-0.09259	0.04551	0.102681	0.0265
0.31521	-0.05956	0.1989	0.142542	0.00202
0.01505	0.075608	0.10271	0.337593	6.52E-14
0.09165	-0.02076	0.65459	0.271885	2.33E-09
0.71612	0.045849	0.32283	-0.01234	0.79022
0.83794	-0.04021	0.386	-0.07316	0.11439
0.72799	-0.03537	0.44577	0.061859	0.18205
0.72478	-0.16389	0.00038	0.083339	0.07197
0.53813	0.034737	0.45393	-0.0611	0.18747
2.34E-07	-0.08219	0.076	-0.14598	0.00156
0.03983	-0.13311	0.00395	0.212797	3.49E-06
0.47252	-0.05101	0.27124	0.030266	0.51411
0.01131	-0.1469	0.00146	0.042739	0.35677
0.01846	0.006846	0.88269	-0.13925	0.00256
8.89E-05	0.050684	0.27437	0.178434	0.00011
0.13244	-0.09035	0.05104	0.058382	0.20791
0.06257	0.000291	0.995	0.044097	0.34168
0.24695	0.084102	0.0694	0.03885	0.40224
0.7071	-0.0196	0.67269	0.01334	0.77372
0.75882	0.00208	0.96424	-0.05324	0.25087
0.75692	-0.04921	0.28856	-0.09444	0.04135
0.7542	0.029682	0.52227	0.017424	0.70725
0.17665	-0.06417	0.16624	0.016306	0.72525
0.85703	-0.02959	0.52357	0.037184	0.42274

0.39165	-0.02469	0.59457	-0.01884	0.68474
0.98661	-0.07505	0.10529	0.151905	0.00099
0.09718	0.059113	0.20226	0.039436	0.39517
0.40046	0.074785	0.10651	0.119268	0.00989
0.04408	-0.08106	0.08014	0.27434	1.65E-09
0.20853	-0.1446	0.00173	-0.03825	0.40952
0.03817	-0.03168	0.49465	0.201524	1.14E-05
0.2275	0.006297	0.89204	-0.10666	0.02115
0.04885	-0.04466	0.33557	0.167086	0.00029
0.82634	-0.09433	0.04159	0.05239	0.25852
0.6568	0.044836	0.33365	0.043376	0.34964
9.10E-05	0.052849	0.25437	0.137166	0.00298
0.01384	0.041596	0.36978	-0.13718	0.00297
0.00131	-0.07523	0.10443	-0.07061	0.12758
0.20608	-0.06913	0.13577	-0.02691	0.5619
0.55682	-0.06836	0.14019	0.176721	0.00012
0.52492	-0.10516	0.02305	0.193466	2.56E-05
0.09901	-0.01448	0.75499	-0.01199	0.79608
0.55969	0.012453	0.78839	0.038954	0.40098
0.61768	-0.01299	0.77956	0.085932	0.06353
0.00636	0.076015	0.10087	0.160055	0.00052
0.00515	-0.02237	0.62967	0.130235	0.00482
0.20147	0.125855	0.00646	-0.1693	0.00024
0.16623	0.076618	0.09819	0.017597	0.70447
0.92632	-0.01662	0.72024	-0.13627	0.00317
0.51416	-0.12684	0.00606	0.139728	0.00248
0.18893	0.041623	0.36948	-0.06959	0.13319
0.88858	-0.06817	0.14133	0.089692	0.05275
0.00121	0.053826	0.24568	0.332998	1.48E-13
0.00564	0.033542	0.46962	0.262317	8.68E-09
0.70342	-0.13716	0.00298	0.12536	0.00668
0.05905	0.079269	0.08706	0.416407	5.20E-21
0.26599	0.009471	0.83826	0.345172	1.64E-14
0.03479	-0.09056	0.0505	0.06354	0.17043
0.19837	-0.09245	0.04585	-0.02321	0.61685
0.55474	0.033572	0.46921	-0.01629	0.72546
0.01024	0.050205	0.27894	0.165481	0.00033
0.00215	0.019817	0.66928	0.463526	2.98E-26
0.80418	0.024331	0.59996	-0.23008	5.00E-07
1.17E-12	0.350179	6.42E-15	0.212098	3.77E-06
0.41503	-0.02205	0.63462	0.00268	0.95394
0.00549	0.043787	0.34509	0.019855	0.66868
0.71313	0.109787	0.01763	-0.13391	0.00374
0.74321	-0.04916	0.28908	0.028251	0.54253
0.03926	-0.17845	0.00011	0.181385	8.08E-05

0.15657	0.018784	0.68558	0.157559	0.00063
0.10874	-0.03219	0.48768	0.403833	9.57E-20
0.07939	-0.17765	0.00011	0.057205	0.21724
4.90E-10	0.022829	0.62267	0.68851	7.07E-67
0.12729	0.057684	0.21341	-0.04829	0.29767
3.70E-08	0.190293	3.49E-05	0.163231	0.0004
0.00089	0.264634	6.35E-09	0.007572	0.87036
0.00402	0.172487	0.00018	0.113492	0.01413
0.0015	0.0271	0.55911	0.507592	5.98E-32
0.00922	0.233524	3.33E-07	0.027347	0.55553
0.08086	0.098959	0.03251	0.07976	0.08511
0.99989	-0.07812	0.09174	0.400555	2.01E-19
1.82E-07	0.453428	4.65E-25	-0.17409	0.00016
4.56E-05	0.392093	1.30E-18	-0.25289	3.02E-08
2.22E-05	0.367631	2.16E-16	-0.17889	0.0001
0.00147	0.305042	1.63E-11	-0.18291	7.02E-05
0.55336	-0.03023	0.51463	0.04172	0.36836
0.08168	0.003971	0.93179	-0.03519	0.44802
0.09212	0.030003	0.51777	0.091947	0.04705
0.74719	-0.02769	0.55055	0.128653	0.00536
0.00026	-0.07019	0.12986	0.502455	3.05E-31
0.022	0.036408	0.4325	0.3831	8.97E-18
0.71854	-0.13708	0.00299	0.095408	0.03931
0.07133	-0.09024	0.0513	0.173683	0.00016
0.0172	-0.1284	0.00546	0.467172	1.08E-26
0.00013	-0.00394	0.9324	-0.37402	5.94E-17
0.0151	0.01565	0.73588	0.368827	1.70E-16
0.70949	0.014109	0.76105	0.207095	6.41E-06
0.65925	0.116216	0.01196	0.226653	7.44E-07
0.00196	-0.17068	0.00021	-0.11258	0.01493
6.93E-07	0.150889	0.00107	0.130355	0.00478
0.24517	-0.01413	0.76075	0.345657	1.50E-14
0.01358	0.347083	1.15E-14	-0.19426	2.37E-05
0.13232	0.039915	0.38946	0.066038	0.15421
0.44125	0.224735	9.27E-07	-0.25654	1.87E-08
6.85E-05	0.054566	0.23924	0.468936	6.58E-27
0.03998	0.005218	0.91046	-0.13133	0.00447
0.00946	-0.16384	0.00038	-0.14261	0.00201
7.09E-06	0.040108	0.38717	0.142272	0.00206
0.18728	-0.13132	0.00448	0.137121	0.00298
0.13621	-0.04857	0.29489	0.215965	2.47E-06
0.01853	-0.02482	0.5926	0.289297	1.87E-10
0.68142	-0.05121	0.26937	0.148291	0.00131
0.45128	-0.07575	0.10206	0.155898	0.00072
0.0663	-0.04884	0.29221	-0.19626	1.94E-05

0.05697	-0.03274	0.48029	0.098804	0.03279
0.34328	-0.03507	0.44957	0.128768	0.00532
0.00033	0.079022	0.08805	0.136701	0.00308
0.00462	-0.16076	0.00049	-0.135	0.00347
0.00192	-0.05589	0.22801	0.50951	3.23E-32
0.04395	0.031681	0.49463	0.385916	4.93E-18
1.32E-06	-0.04398	0.34291	0.709689	9.66E-73
0.00838	-0.04218	0.36314	0.175315	0.00014
0.36584	0.072493	0.11771	0.427955	3.21E-22
6.57E-10	0.112726	0.0148	0.083801	0.07041
0.06031	-0.03304	0.47625	0.361313	7.56E-16
0.54685	-0.08809	0.05713	0.132086	0.00425
0.03247	0.034574	0.45604	0.192632	2.78E-05
0.8625	0.008533	0.85408	-0.03671	0.4287
0.8581	-0.23932	1.66E-07	0.32974	2.63E-13
0.08967	-0.04271	0.35715	0.483705	9.28E-29
0.00044	0.092565	0.04558	0.103966	0.02465
0.27439	0.125126	0.00678	-0.32189	1.02E-12
0.00587	0.100125	0.03051	0.168853	0.00025
0.77728	-0.05717	0.21754	0.231984	4.00E-07
0.17288	-0.01365	0.76862	0.312929	4.55E-12
0.00044	0.051592	0.26585	0.267649	4.20E-09
0.00089	-0.00587	0.89925	0.240799	1.38E-07
0.65516	0.068342	0.14031	-0.34456	1.83E-14
0.26268	0.153421	0.00088	-0.06691	0.14882
4.31E-07	0.103596	0.02517	0.288559	2.09E-10
0.00264	0.10197	0.02756	0.228446	6.05E-07
0.00014	0.008275	0.85845	-0.06499	0.16087
0.0125	-0.05067	0.2745	0.534542	7.24E-36
0.15491	0.047658	0.30408	-0.10539	0.02275
0.32764	0.090423	0.05084	0.20195	1.09E-05
0.94437	0.013583	0.7697	0.251567	3.57E-08
0.08292	-0.1603	0.00051	0.250231	4.24E-08
0.60259	-0.06441	0.16467	0.225148	8.85E-07
0.50722	-0.1351	0.00344	0.203654	9.17E-06
0.93367	-0.1732	0.00017	0.238292	1.88E-07
0.61965	-0.18922	3.86E-05	0.556857	2.19E-39
0.01546	-0.08505	0.06629	0.38685	4.04E-18
0.6708	0.058863	0.20418	-0.00348	0.94015
0.12917	0.021532	0.64257	0.071699	0.1218
0.04141	0.056439	0.22347	-0.01125	0.80834
0.39125	-0.12487	0.0069	-0.05526	0.23332
8.87E-08	-0.101	0.02908	-0.33602	8.65E-14
0.4436	-0.07918	0.08742	0.114111	0.01361
0.02214	-0.18387	6.42E-05	0.343539	2.21E-14

1.92E-09	0.195167	2.16E-05	0.184606	5.99E-05
0.84743	-0.11543	0.01255	0.128027	0.00559
0.89736	-0.08037	0.08275	0.162694	0.00042
0.14466	0.055756	0.22913	-0.0601	0.19482
0.15979	0.391753	1.40E-18	-0.40003	2.25E-19
0.12287	0.004286	0.9264	-0.01859	0.68857
0.0323	0.077377	0.09489	-0.30725	1.15E-11
0.34136	0.129777	0.00497	-0.28988	1.71E-10
0.78772	0.067116	0.14758	-0.02763	0.55148
4.45E-05	0.402129	1.41E-19	-0.37798	2.62E-17
0.5933	-0.04242	0.36032	-0.0149	0.74815
0.77058	0.080774	0.08121	-0.12435	0.00714
0.08961	0.098145	0.03397	-0.02948	0.5251
0.68211	0.027226	0.55727	0.012332	0.79039
5.41E-06	0.249471	4.67E-08	-0.10948	0.01795
0.65841	0.201358	1.16E-05	0.027857	0.54818
0.00024	-0.00824	0.85896	0.274067	1.72E-09
0.05265	0.093037	0.04448	0.232673	3.68E-07
0.89164	0.022349	0.62999	-0.17358	0.00016
0.55466	-0.10168	0.02801	0.048374	0.29687
0.22608	-0.00499	0.91439	0.198305	1.58E-05
0.03757	0.158995	0.00056	0.148864	0.00125
0.01529	0.047665	0.30401	0.188033	4.33E-05
0.11701	-0.15556	0.00074	0.06093	0.18871
0.31831	-0.08749	0.05885	0.32923	2.87E-13
0.77985	-0.11846	0.0104	0.272378	2.18E-09
0.32224	0.209401	5.02E-06	-0.17	0.00022
0.27405	-0.05848	0.20717	0.142302	0.00205
0.05174	-0.00856	0.85366	0.05244	0.25806
0.51674	0.128639	0.00537	-0.12568	0.00654
0.00423	0.037324	0.42099	0.135017	0.00346
0.42757	-0.07665	0.09803	0.041784	0.36763
0.00087	0.110796	0.01661	0.245905	7.34E-08
0.28517	-0.06164	0.18364	-0.09873	0.03291
0.25767	-0.04705	0.31034	-0.11963	0.00966
0.09424	-0.08871	0.05541	0.517506	2.38E-33
0.14967	0.063765	0.16892	-0.08737	0.05921
0.2281	0.095787	0.03853	-0.00465	0.92009
0.13523	-0.046	0.32127	-0.0752	0.10459
0.03293	0.108806	0.01867	-0.15583	0.00073
0.0091	-0.06048	0.19202	0.463807	2.76E-26
9.40E-11	-0.11068	0.01672	-0.11351	0.01411
0.01247	-0.02166	0.64056	0.156305	0.0007
0.00042	0.11387	0.01381	0.354156	3.02E-15
0.00287	0.009117	0.84422	0.245066	8.15E-08



0.94046	-0.11431	0.01345	0.229169	5.56E-07
5.05E-09	0.089346	0.05367	0.271838	2.35E-09
0.01161	0.312218	5.12E-12	0.08038	0.08271
0.02329	0.111057	0.01635	-0.03081	0.50654
0.85241	0.07901	0.0881	0.036216	0.43492
0.46967	-0.00401	0.93113	0.253339	2.84E-08
0.14106	-0.07857	0.08989	0.051771	0.2642
0.3785	-0.15805	0.00061	0.167508	0.00028
0.12758	-0.09422	0.04183	0.172426	0.00018
0.06895	0.079238	0.08718	-0.30611	1.38E-11
0.01242	-0.15623	0.0007	0.033918	0.46465
0.00644	-0.23208	3.95E-07	0.120994	0.00886
0.04674	0.017498	0.70606	0.361502	7.29E-16
0.65255	-0.16155	0.00046	0.17494	0.00014
0.01352	-0.06422	0.16588	0.192623	2.78E-05
0.00022	-0.02009	0.66502	-0.19676	1.85E-05
0.92218	0.16828	0.00026	0.027725	0.55007
0.91082	-0.08785	0.05782	0.032316	0.48601
0.84293	0.016697	0.71893	-0.19026	3.50E-05
0.77937	-0.04794	0.30122	-0.02692	0.5617
0.77778	-0.0568	0.22054	0.053972	0.2444
0.87829	-0.01674	0.7182	0.079815	0.0849
0.79077	-0.15426	0.00082	0.17087	0.00021
0.27444	-0.06251	0.17751	0.131359	0.00446
0.02982	0.00659	0.88705	-0.00089	0.98471
0.25938	0.003208	0.94487	0.277148	1.11E-09
3.12E-05	-0.03154	0.49652	0.192356	2.85E-05
0.32172	-0.08239	0.07529	0.173492	0.00016
0.00024	0.010211	0.82581	0.333118	1.45E-13
0.01353	0.312304	5.05E-12	-0.02454	0.59677
0.73794	-0.1589	0.00057	0.315908	2.78E-12
0.00412	-0.08478	0.06718	0.138293	0.00275
0.31729	-0.00229	0.9606	0.046384	0.31721
0.57138	0.021763	0.639	0.067336	0.14626
0.05925	0.019289	0.67759	0.143442	0.00189
0.50418	-0.11901	0.01005	0.033126	0.47515
0.20766	-0.05751	0.21479	0.255089	2.26E-08
3.04E-05	0.089164	0.05416	0.484469	7.40E-29
0.9192	0.08395	0.06991	0.153885	0.00085
0.48947	0.072057	0.11994	-0.04183	0.3671
0.6819	-0.05033	0.27769	0.153159	0.0009
0.00456	0.129675	0.00501	0.353928	3.16E-15
0.85243	-0.04322	0.35133	0.085636	0.06445
0.13957	-0.09486	0.04045	0.296016	6.73E-11
0.01239	0.139473	0.00252	-0.00643	0.88981

0.00048	-0.20938	5.04E-06	-0.17216	0.00019
0.00034	0.146968	0.00145	0.088018	0.05734
0.00028	0.117817	0.01083	0.330463	2.32E-13
1.27E-06	0.137618	0.00288	0.128643	0.00537
0.51912	-0.00228	0.96086	0.073756	0.11143
1.53E-05	0.098963	0.03251	0.147465	0.00139
0.03526	0.021913	0.63668	0.178282	0.00011
0.2885	0.002745	0.95283	0.083754	0.07056
0.85718	-0.01792	0.69936	0.215205	2.69E-06
1.42E-08	0.245141	8.08E-08	0.315609	2.92E-12
0.71659	-0.00795	0.86402	0.131891	0.0043
0.23985	-0.13546	0.00336	-0.06464	0.16316
0.08757	-0.05034	0.27768	0.256438	1.90E-08
0.07504	0.018616	0.68824	0.190471	3.43E-05
0.0002	-0.10054	0.02982	-0.33277	1.54E-13
2.67E-07	0.035001	0.45051	0.240413	1.45E-07
0.06953	-0.01721	0.71072	-0.28167	5.77E-10
0.05734	0.184913	5.82E-05	-0.01275	0.78349
0.48338	-0.02891	0.53321	0.218828	1.80E-06
0.99049	-0.06186	0.182	0.158657	0.00058
0.91847	-0.02197	0.63589	0.052711	0.25561
0.70668	-0.07787	0.09281	0.11867	0.01027
4.37E-05	-0.0175	0.70608	0.197715	1.68E-05
0.64429	0.225939	8.08E-07	-0.19131	3.16E-05
0.00902	0.100655	0.02964	0.17262	0.00018
0.42111	0.023735	0.60892	0.1887	4.06E-05
0.07458	-0.13713	0.00298	0.13716	0.00298
0.22125	-0.02535	0.5848	0.180569	8.71E-05
0.89433	-0.02531	0.58531	0.261812	9.29E-09
0.77644	0.157906	0.00062	-0.19226	2.88E-05
0.09411	-0.24559	7.63E-08	0.119955	0.00947
0.14929	-0.0452	0.32973	0.289877	1.71E-10
0.00278	-0.21506	2.73E-06	0.092316	0.04617
0.07146	0.118681	0.01026	0.216386	2.36E-06
0.38483	-0.05359	0.24774	0.229682	5.24E-07
0.01116	-0.0684	0.14	-0.11634	0.01187
0.08062	0.093053	0.04445	-0.07747	0.0945
0.04469	0.115948	0.01216	0.292222	1.20E-10
0.42969	0.061304	0.18601	-0.13568	0.00331
0.30146	0.003761	0.9354	0.040393	0.3838
0.00128	-0.10349	0.02532	-0.16667	0.0003
0.67363	0.097376	0.03541	0.042225	0.36259
0.00089	-0.0783	0.091	0.426566	4.51E-22
0.77003	-0.04349	0.34837	0.037868	0.41425
0.55859	0.022918	0.62131	-0.15616	0.00071

0.07277	-0.11387	0.01381	0.21509	2.72E-06
0.00415	0.216496	2.33E-06	-0.11964	0.00966
0.00046	0.116857	0.0115	0.358695	1.26E-15
0.23618	-0.07187	0.12088	-0.03777	0.41547
5.41E-05	0.147678	0.00137	0.337435	6.71E-14
0.09723	-0.01939	0.67598	0.106419	0.02144
0.00451	-0.04905	0.29013	0.256412	1.90E-08
0.04835	-0.11115	0.01626	0.372047	8.87E-17
0.06182	0.014412	0.75609	0.055901	0.22792
0.04621	0.035104	0.44917	0.086162	0.06282
0.0031	0.089987	0.05197	0.213774	3.14E-06
0.53519	-0.12719	0.00592	0.321584	1.07E-12
0.87527	-0.10337	0.02549	0.140415	0.00236
0.94894	-0.04947	0.286	0.343841	2.09E-14
0.45199	0.160994	0.00048	-0.27579	1.35E-09
0.26587	0.066703	0.15009	-0.39302	1.06E-18
0.00649	-0.07909	0.08776	-0.24123	1.31E-07
2.68E-05	0.122305	0.00815	0.353749	3.27E-15
8.94E-05	-0.0005	0.99137	0.029397	0.52627
0.00752	0.269569	3.22E-09	-0.10553	0.02256
0.00091	-0.14501	0.00168	0.062603	0.17683
0.04153	-0.05635	0.22423	0.298866	4.32E-11
0.03631	0.128056	0.00558	-0.17096	0.00021
0.35297	-0.05768	0.21343	0.005896	0.89888
0.01147	0.211892	3.85E-06	0.078963	0.08829
0.48758	-0.01896	0.68281	0.133198	0.00393
0.88734	0.08896	0.05472	0.346294	1.33E-14
0.00819	0.114852	0.01301	0.080435	0.0825
0.03789	0.012027	0.79547	0.361703	7.01E-16
0.23339	0.011369	0.80642	-0.14161	0.00216
0.06332	0.018716	0.68665	0.087556	0.05867
0.01049	-0.02346	0.61314	0.064098	0.1667
0.56708	0.140876	0.00228	-0.09765	0.03489
1.26E-11	0.15607	0.00071	0.388375	2.91E-18
0.02857	-0.08876	0.05527	0.319959	1.41E-12
0.03533	-0.07709	0.09613	0.032719	0.48059
0.06166	0.005599	0.90394	0.103163	0.02579
0.00401	0.148366	0.0013	0.168335	0.00026
0.44856	-0.09624	0.03762	0.481749	1.65E-28
0.32028	0.04803	0.30031	0.345182	1.63E-14
0.05843	0.205727	7.40E-06	0.032556	0.48277
0.76877	-0.03267	0.48128	-0.00435	0.92537
0.57389	0.023005	0.61998	-0.06168	0.18333
3.95E-05	-0.06903	0.13637	0.582038	1.08E-43
0.15051	-0.07721	0.09561	0.524986	1.94E-34

0.0001	-0.09122	0.04882	0.473981	1.57E-27
0.35372	-0.09942	0.0317	0.054663	0.2384
0.33535	0.07774	0.09334	-0.09769	0.03482
0.36024	-0.00539	0.90753	0.287029	2.62E-10
0.68575	-0.06376	0.16896	0.079147	0.08755
0.45677	-0.0791	0.08772	0.133538	0.00384
4.05E-12	0.175372	0.00014	0.24127	1.31E-07
0.00054	-0.05463	0.23867	0.596181	2.79E-46
0.48994	-0.06435	0.16501	-0.26494	6.09E-09
0.47433	-0.02108	0.64958	0.116652	0.01164
0.05519	-0.00368	0.93674	0.123899	0.00735
0.64769	-0.05281	0.25472	0.180657	8.64E-05
0.17434	-0.05327	0.25062	0.062465	0.17779
0.50662	-0.02848	0.53933	0.297919	5.01E-11
1.10E-05	0.097224	0.0357	0.409232	2.78E-20
0.00031	0.250729	3.98E-08	0.073876	0.11085
0.30861	-0.215	2.75E-06	-0.07457	0.10754
0.75556	-0.10374	0.02497	0.224388	9.65E-07
0.27348	-0.08149	0.07854	0.022878	0.62192
0.01196	-0.11629	0.0119	0.268036	3.99E-09
0.00949	0.103788	0.0249	0.093555	0.0433
0.05003	-0.02273	0.62424	-0.13811	0.00278
0.95418	-0.07396	0.11046	0.069179	0.1355
2.78E-05	-0.06006	0.19513	0.342261	2.80E-14
7.76E-16	0.245222	7.99E-08	0.110272	0.01713
5.83E-10	0.150601	0.0011	0.329714	2.64E-13
0.63728	-0.08481	0.06708	0.363809	4.63E-16
0.00025	-0.02659	0.56653	0.357035	1.74E-15
0.38763	-0.04546	0.3269	0.139824	0.00246
1.08E-05	-0.15299	0.00091	-0.18671	4.91E-05
0.02716	-0.01153	0.80378	0.248383	5.37E-08
0.62181	0.039642	0.39271	0.1335	0.00385
0.00102	-0.07063	0.12745	0.264571	6.40E-09
0.06646	-0.04301	0.35377	0.377543	2.87E-17
0.09022	-0.01614	0.72786	0.05247	0.25779
0.00053	0.10216	0.02728	0.486726	3.78E-29
4.78E-05	0.198727	1.52E-05	0.192655	2.77E-05
0.19357	-0.03035	0.5129	0.138943	0.00262
0.18759	-0.06181	0.18236	-0.07422	0.1092
0.96171	-0.13868	0.00267	0.239557	1.61E-07
0.32593	0.004308	0.92602	0.087093	0.06002
0.00318	0.056671	0.22157	0.326261	4.81E-13
0.78977	-0.11015	0.01725	0.229337	5.45E-07
0.81609	-0.11755	0.01101	0.035163	0.4484
0.93131	-0.16194	0.00044	0.385765	5.09E-18

0.65843	0.116723	0.01159	-0.14305	0.00194
0.31234	0.045766	0.3237	-0.15536	0.00076
0.69954	-0.0795	0.08613	0.15257	0.00094
0.49756	-0.06086	0.1892	0.160499	0.0005
0.04752	-0.13816	0.00277	0.155429	0.00075
0.11008	-0.17546	0.00014	0.076292	0.09963
0.01288	0.069734	0.13239	0.248169	5.52E-08
0.96055	-0.03497	0.45091	-0.0628	0.17546
0.27475	-0.05889	0.20394	0.168363	0.00026
0.00768	0.125276	0.00671	0.046233	0.31879
0.1205	-0.01149	0.80449	0.287741	2.36E-10
0.0001	0.170422	0.00022	0.428354	2.91E-22
0.00912	0.061465	0.18485	-0.32933	2.82E-13
0.00146	-0.05568	0.22973	-0.03077	0.50719
0.03865	-0.02599	0.57526	0.391962	1.34E-18
0.44594	-0.08814	0.057	-0.07727	0.09534
0.78946	-0.02738	0.55504	0.259461	1.27E-08
0.03752	0.16896	0.00024	-0.08592	0.06356
0.08315	-0.11431	0.01344	0.539262	1.37E-36
2.31E-17	0.333576	1.34E-13	0.299212	4.10E-11
0.28164	-0.08945	0.0534	0.323582	7.63E-13
0.45032	-0.04852	0.29538	0.1172	0.01126
0.02505	0.009047	0.84539	0.383836	7.68E-18
0.31525	-0.18	9.18E-05	0.291497	1.34E-10
0.65429	0.060638	0.19084	-0.30198	2.65E-11
0.93724	-0.12846	0.00544	0.289516	1.81E-10
6.86E-08	0.07646	0.09888	0.270924	2.67E-09
0.16746	-0.12034	0.00924	0.227767	6.54E-07
0.02102	-0.14553	0.00161	0.577482	6.92E-43
0.20756	-0.0255	0.58252	-0.09418	0.04191
0.10929	-0.06421	0.16599	0.104063	0.02452
0.93305	-0.06209	0.18043	-0.05568	0.2298
1.66E-05	-0.17107	0.0002	0.147039	0.00144
0.94585	-0.00527	0.90962	-0.01386	0.76507
0.6568	-0.12573	0.00652	0.096014	0.03807
0.4089	-0.14287	0.00197	0.036773	0.42789
0.39407	0.004167	0.92845	-0.03402	0.46334
0.03044	-0.04971	0.28367	-0.0605	0.19187
0.01478	-0.07029	0.12931	-0.06121	0.18671
0.19109	-0.00497	0.91464	0.070494	0.12821
0.5607	-0.00832	0.8577	0.0468	0.31288
0.84161	-0.02575	0.57882	0.039735	0.3916
0.24229	-0.10843	0.01909	0.029713	0.52183
0.28248	-0.09439	0.04147	-0.01398	0.76325
0.70369	-0.01545	0.73914	0.04726	0.30815

0.32993	-0.0563	0.22458	0.031263	0.50035
0.00051	0.032657	0.48141	-0.07826	0.09117
0.73714	-0.05393	0.24473	0.058865	0.20417
1.04E-05	-0.02897	0.53235	0.555722	3.35E-39
0.02055	-0.03984	0.39034	0.174372	0.00015
0.3212	0.0129	0.78098	0.052231	0.25997
0.01799	0.025886	0.57685	0.229771	5.18E-07
0.3038	-0.01878	0.6857	0.072839	0.11596
0.24587	-0.06389	0.16811	0.067115	0.14759
0.34154	0.020617	0.65676	0.079762	0.08511
0.14939	-0.04598	0.32143	0.241949	1.20E-07
2.19E-18	0.244565	8.68E-08	-0.01883	0.68478
0.49511	0.021961	0.63595	-0.02508	0.58878
0.00035	-0.10996	0.01745	0.312071	5.24E-12
0.68174	0.008099	0.86144	0.006314	0.89176
0.02368	-0.12895	0.00526	0.008287	0.85825
0.00709	0.03358	0.46911	0.202203	1.07E-05
0.01839	0.049058	0.29007	0.265785	5.43E-09
0.79775	-0.0341	0.46232	0.079396	0.08655
0.11716	0.039324	0.39652	0.178585	0.0001
0.24703	0.006741	0.88449	0.067227	0.14691
0.00492	0.168961	0.00024	0.010986	0.81283
0.06989	0.020734	0.65494	0.176599	0.00012
0.76087	-0.01162	0.80231	-0.12131	0.00868
0.91054	0.031151	0.50188	0.009985	0.8296
0.18444	0.075959	0.10112	0.115973	0.01214
0.0469	-0.10358	0.02519	0.375135	4.72E-17
2.35E-06	0.049857	0.28228	0.394778	7.23E-19
0.03775	-0.00255	0.95619	0.25203	3.37E-08
0.30965	0.186868	4.84E-05	-0.01427	0.75838
0.51315	-0.10082	0.02938	0.260411	1.12E-08
0.13578	-0.1531	0.0009	-0.03839	0.40781
2.40E-06	0.019452	0.67501	0.330931	2.13E-13
0.18285	-0.20744	6.18E-06	0.518196	1.89E-33
0.15141	0.040305	0.38483	0.088278	0.05661
0.78221	-0.02327	0.6159	-0.00743	0.87283
4.30E-06	0.195944	2.00E-05	-0.07917	0.08745
0.16868	0.010252	0.82512	0.147926	0.00135
0.8588	0.033365	0.47196	-0.08279	0.07388
0.17109	-0.00388	0.93329	-0.16103	0.00048
0.00446	-0.13323	0.00392	-0.25398	2.62E-08
0.03087	0.004188	0.92807	0.069806	0.13199
0.50536	0.004991	0.91434	0.243198	1.03E-07
0.33258	-0.05951	0.19927	-0.06348	0.17082
0.39576	-0.0053	0.90907	0.184694	5.94E-05

0.00017	-0.01079	0.81615	0.488928	1.95E-29
4.25E-10	0.061553	0.18422	0.624129	8.65E-52
0.66274	0.179311	9.77E-05	-0.08695	0.06046
0.73366	-0.07458	0.10749	0.363389	5.03E-16
3.79E-09	0.114744	0.01309	0.463399	3.09E-26
0.19824	-0.06329	0.1721	-0.00024	0.99592
0.38642	-0.02624	0.57163	0.044839	0.33361
0.21728	0.01111	0.81075	0.090793	0.0499
0.27233	-0.03394	0.46432	0.138253	0.00275
0.00272	0.050255	0.27845	0.132418	0.00415
0.05294	-0.01775	0.70203	0.19361	2.52E-05
0.04763	-0.02476	0.59351	0.135622	0.00332
9.29E-06	0.145349	0.00164	0.201728	1.12E-05
0.15417	-0.0062	0.89362	0.100766	0.02946
9.90E-13	0.21476	2.82E-06	0.173687	0.00016
0.07647	0.236044	2.46E-07	0.078114	0.09178
0.04494	-0.03464	0.45523	0.268409	3.79E-09
0.03903	0.079281	0.08701	-0.08557	0.06465
0.101	-0.05958	0.19874	0.342253	2.80E-14
0.07862	-0.09248	0.04578	0.456867	1.84E-25
0.06748	0.034152	0.46156	-0.10409	0.02448
0.00039	0.033712	0.46736	0.317605	2.10E-12
0.02685	-0.0026	0.95534	0.254544	2.43E-08
0.94565	-0.01379	0.76635	0.126394	0.00624
0.6802	0.076986	0.09657	0.170539	0.00021
0.02442	-0.05855	0.20659	0.216031	2.46E-06
0.12909	0.183751	6.49E-05	-0.14233	0.00205
0.56597	0.006121	0.89504	0.084212	0.06903
0.64768	0.028736	0.53561	-0.19838	1.57E-05
9.23E-09	0.018486	0.69031	0.354415	2.88E-15
0.92461	0.127675	0.00573	-0.27648	1.22E-09
0.99077	0.027197	0.5577	0.085182	0.06589
0.05436	0.045458	0.32697	-0.11495	0.01293
0.01661	-0.11308	0.01448	0.17118	0.0002
0.66335	-0.09509	0.03997	0.021918	0.63661
0.03275	-0.10549	0.02261	-0.02731	0.556
0.06914	0.030298	0.51367	0.451519	7.74E-25
0.17613	-0.14404	0.0018	-0.26628	5.07E-09
0.02769	-0.18555	5.48E-05	0.280858	6.50E-10
0.12556	-0.07975	0.08517	0.00807	0.86193
0.29617	-0.05408	0.24344	0.237251	2.13E-07
0.09881	0.183994	6.34E-05	-0.19968	1.38E-05
2.02E-07	-0.06283	0.17527	0.36686	2.52E-16
0.91691	0.037917	0.41365	0.009323	0.84074
0.79342	-0.0356	0.4428	0.054125	0.24306

0.266	-0.03845	0.40708	0.091487	0.04817
0.16662	-0.03945	0.39505	0.254106	2.57E-08
0.09249	-0.03175	0.49362	0.445338	3.94E-24
4.04E-05	0.146154	0.00154	-0.13867	0.00267
1.48E-05	0.185727	5.39E-05	0.195483	2.10E-05
0.36868	-0.01796	0.69862	0.170984	0.00021
0.42171	0.055953	0.22749	0.057623	0.21389
3.71E-07	0.100314	0.0302	0.233423	3.37E-07
0.23741	-0.08364	0.07093	0.278882	8.64E-10
0.00037	0.019512	0.67407	-0.32365	7.54E-13
0.45779	-0.00997	0.82988	0.236835	2.24E-07
0.37455	-0.06543	0.15805	-0.01009	0.82791
0.50618	-0.09297	0.04464	0.311572	5.69E-12
0.13327	0.054234	0.24211	0.298943	4.27E-11
0.20077	0.13961	0.0025	0.037773	0.41542
6.36E-12	0.280941	6.42E-10	0.459912	8.05E-26
1.66E-05	0.001181	0.9797	0.445489	3.78E-24
0.00401	-0.01895	0.68286	0.429923	1.97E-22
0.03184	0.013726	0.76734	0.16246	0.00042
0.43478	-0.08943	0.05344	0.285849	3.12E-10
0.78314	-0.0791	0.08773	0.134231	0.00366
0.99453	-0.032	0.49028	0.068339	0.14032
0.01061	0.202105	1.08E-05	-0.05444	0.24033
0.00286	-0.04526	0.32912	0.514	7.53E-33
0.21275	-0.09137	0.04846	0.080992	0.08039
0.39741	-0.07747	0.09449	0.39113	1.61E-18
0.1297	0.063383	0.17149	0.164065	0.00037
0.95399	0.026188	0.57242	0.222439	1.20E-06
0.62198	-0.08235	0.07542	0.178432	0.00011
0.45117	-0.12811	0.00556	0.026366	0.5698
0.35075	-0.05542	0.23196	0.329383	2.80E-13
0.03379	-0.07286	0.11589	0.160178	0.00051
8.55E-06	0.121851	0.00839	0.313592	4.08E-12
0.02461	-0.02375	0.60869	0.244554	8.69E-08
8.72E-06	0.142988	0.00195	0.168046	0.00026
0.3292	-0.06547	0.15782	-0.03414	0.46173
0.6535	0.021895	0.63697	0.296742	6.01E-11
0.4059	-0.02206	0.63436	0.206388	6.90E-06
0.26348	-0.04153	0.37057	0.070279	0.12938
0.2836	0.21277	3.50E-06	-0.17952	9.58E-05
0.41518	-0.07363	0.11203	0.147468	0.00139
0.52873	-0.01954	0.67363	0.107223	0.02047
0.48669	-0.05235	0.25886	-0.08241	0.07521
0.00075	-0.11546	0.01253	-0.00017	0.99715
0.77987	-0.14298	0.00195	0.09745	0.03527



0.14824	-0.0133	0.7743	-0.23684	2.24E-07
0.01398	-0.00072	0.9877	-0.02294	0.62091
0.19431	0.026632	0.56591	0.149657	0.00118
0.08213	-0.06905	0.13623	0.229919	5.09E-07
0.03604	-0.02136	0.6452	0.261814	9.29E-09
0.4544	-0.0412	0.37441	0.168558	0.00025
0.90426	-0.12074	0.00901	0.054771	0.23747
0.57908	0.036075	0.43671	0.083712	0.07071
0.01703	0.102778	0.02635	0.16225	0.00043
0.98408	-0.02038	0.66041	-0.00898	0.84654
0.00178	0.076708	0.09779	0.229529	5.33E-07
0.65477	0.08771	0.05823	0.17917	9.90E-05
0.08854	-0.05603	0.22686	0.265878	5.36E-09
0.00176	-0.16402	0.00037	0.019404	0.67577
0.86915	0.282117	5.41E-10	-0.34026	4.02E-14
0.58485	-0.11136	0.01606	0.046492	0.31607
0.10174	0.196133	1.97E-05	-0.14545	0.00162
0.05759	-0.0359	0.439	0.123537	0.00752
0.00961	0.092354	0.04607	0.205613	7.49E-06
0.35087	-0.10769	0.01993	0.217332	2.13E-06
0.74959	-0.04765	0.30421	0.086518	0.06174
0.16139	0.023719	0.60916	0.100492	0.02991
0.78709	0.009353	0.84024	0.092559	0.04559
0.56719	0.006555	0.88764	0.094534	0.04115
0.96975	0.013597	0.76948	0.118975	0.01007
0.16708	0.05753	0.21463	0.084513	0.06805
0.91255	-0.08485	0.06694	0.112284	0.0152
0.21927	0.014616	0.75275	0.030706	0.508
0.69497	-0.05148	0.26694	0.103081	0.02591
0.55492	-0.01177	0.7998	0.132855	0.00403
0.12941	0.047284	0.3079	0.017388	0.70783
0.67765	-0.04528	0.3289	0.129321	0.00513
2.84E-05	0.045824	0.32308	0.21411	3.03E-06
0.18626	-0.03109	0.50268	0.528822	5.26E-35
0.56687	-0.04016	0.38652	0.101856	0.02774
0.03082	-0.11741	0.01111	0.216523	2.33E-06
0.16198	-0.0916	0.04789	-0.04576	0.32373
0.16515	-0.01599	0.73029	0.074578	0.10749
0.00943	-0.17873	0.0001	-0.18317	6.85E-05
0.00616	0.064794	0.16213	0.226998	7.15E-07
0.09793	-0.07843	0.09048	0.068339	0.14032
0.04046	-0.0537	0.24677	0.166976	0.00029
0.12133	-0.10197	0.02756	0.317215	2.24E-12
0.00561	-0.1705	0.00021	0.21574	2.54E-06
0.38377	-0.00931	0.84093	0.184431	6.09E-05

0.93438	-0.06144	0.18503	0.354194	3.00E-15
0.32143	-0.01942	0.67545	0.108137	0.01942
0.95786	-0.01041	0.82242	0.023943	0.60578
0.8481	-0.09617	0.03776	0.202727	1.01E-05
0.05338	-0.09427	0.04172	0.151947	0.00099
0.95605	-0.2133	3.31E-06	0.290657	1.52E-10
0.14193	-0.00169	0.97094	0.127335	0.00586
0.24228	0.098696	0.03298	-0.37147	9.98E-17
0.00992	0.145161	0.00166	0.015022	0.74611
0.00436	-0.00481	0.91749	0.253295	2.86E-08
0.07187	0.010559	0.81997	0.222536	1.19E-06
0.18738	-0.0708	0.12657	0.221088	1.40E-06
0.45093	0.091554	0.048	-0.1603	0.00051
8.59E-05	0.14349	0.00188	0.076322	0.09949
0.00016	-0.00688	0.88208	0.275394	1.42E-09
3.35E-12	-0.00632	0.89168	0.443753	5.94E-24
0.66969	-0.00181	0.9688	0.108645	0.01885
0.63306	-0.03438	0.45862	-0.25551	2.14E-08
0.01071	0.110085	0.01732	-0.21912	1.75E-06
0.00018	-0.06039	0.1927	0.46844	7.57E-27
0.5411	-0.02629	0.57098	-0.02213	0.63333
0.34165	0.016417	0.72346	-0.01522	0.74294
0.0111	-0.06938	0.13437	0.143615	0.00186
0.00113	-0.01789	0.69973	0.327811	3.68E-13
2.19E-05	-0.00935	0.84023	0.280356	6.99E-10
0.06151	-0.18449	6.06E-05	0.18908	3.92E-05
0.26629	-0.17244	0.00018	0.25706	1.75E-08
0.00182	-0.017	0.71399	0.437134	3.24E-23
0.01374	0.086552	0.06164	0.415248	6.84E-21
6.83E-08	0.022641	0.62553	-0.31141	5.84E-12
0.4024	0.03857	0.40565	-0.03988	0.38988
1.74E-07	0.027329	0.55579	0.324289	6.76E-13
0.79584	-0.0927	0.04526	0.109038	0.01842
0.01538	0.088355	0.05639	0.193434	2.57E-05
0.62687	-0.00213	0.96331	0.220101	1.57E-06
0.09268	-0.0013	0.97764	0.119799	0.00956
0.16714	-0.02157	0.64199	0.139631	0.00249
0.55886	-0.04546	0.32691	-0.07593	0.10124
0.35147	-0.13291	0.00401	0.11223	0.01525
0.00011	0.081134	0.07986	0.009741	0.83372
0.05783	0.000531	0.99087	0.252091	3.34E-08
0.88753	0.005531	0.9051	-0.34322	2.34E-14
0.81589	-0.11109	0.01632	-0.03102	0.50365
0.48396	-0.06646	0.15156	0.041279	0.37345
0.26256	0.015904	0.73176	-0.29519	7.63E-11

0.33089	-0.0264	0.5693	0.065503	0.15758
0.14356	-0.00347	0.94038	-0.17382	0.00016
0.02198	-0.01447	0.75514	0.076695	0.09785
0.54018	-0.12353	0.00753	-0.07683	0.09726
3.11E-12	0.061235	0.18651	0.49863	1.01E-30
0.00037	-0.02778	0.54931	0.27899	8.51E-10
0.81104	-0.01947	0.67471	0.089333	0.05371
0.001	0.08555	0.06472	0.46696	1.15E-26
0.04944	0.063092	0.17347	-0.06388	0.16816
0.57357	-0.06778	0.14359	0.033177	0.47447
0.81735	-0.06718	0.14718	0.384197	7.11E-18
0.00099	0.042814	0.35593	0.260617	1.09E-08
0.00602	0.004239	0.92721	0.601504	2.74E-47
0.15599	-0.05135	0.26808	0.03382	0.46594
0.14175	-0.07636	0.09932	0.224585	9.43E-07
5.17E-05	0.118233	0.01055	0.179361	9.73E-05
0.74591	-0.01686	0.71637	0.212299	3.69E-06
0.16807	0.01172	0.80057	0.096298	0.0375
0.07654	-0.06484	0.16181	0.29563	7.14E-11
0.90435	0.21819	1.94E-06	-0.29941	3.97E-11
0.40503	-0.00213	0.96347	-0.15038	0.00112
0.56943	0.031091	0.50271	0.16159	0.00046
0.7557	-0.00684	0.88277	0.086032	0.06322
0.06684	0.086245	0.06257	-0.28536	3.36E-10
0.00055	-0.02371	0.60923	0.515849	4.11E-33
0.00362	0.004184	0.92815	0.361285	7.61E-16
0.00035	0.131231	0.0045	0.206008	7.18E-06
0.02553	0.01746	0.70666	-0.01072	0.81736
6.78E-15	0.149304	0.00121	0.412004	1.46E-20
0.05712	-0.03706	0.42432	-0.15125	0.00104
0.00855	-0.05261	0.25648	-0.11637	0.01185
1.16E-05	-0.10545	0.02267	-0.23676	2.26E-07
0.22363	-0.0398	0.39088	0.191686	3.05E-05
0.11104	0.053461	0.2489	0.037938	0.41339
0.18323	0.067603	0.14466	-0.10689	0.02087
0.06079	-0.05272	0.25554	0.004112	0.92937
0.49684	-0.05501	0.23541	0.100721	0.02953
0.10176	-0.0359	0.43894	0.287803	2.34E-10
0.27822	-0.03761	0.4175	0.096533	0.03703
0.62329	0.124792	0.00693	-0.15977	0.00053
0.41177	0.008357	0.85707	0.104318	0.02417
0.35755	0.053713	0.24667	0.076075	0.1006
0.02154	0.155704	0.00073	-0.01458	0.75335
0.08992	0.006627	0.88642	0.43029	1.80E-22
1.57E-05	0.174137	0.00016	0.10384	0.02483

0.01179	-0.02348	0.61278	0.216435	2.35E-06
0.03637	-0.01166	0.80162	0.545459	1.48E-37
0.00135	-0.003	0.94853	0.159914	0.00052
0.58206	0.146888	0.00146	-0.1499	0.00116
0.03559	0.054463	0.24013	0.318971	1.67E-12
0.86541	-0.18266	7.18E-05	0.262979	7.94E-09
0.024	-0.12002	0.00943	-0.0003	0.99486
0.00068	-0.11639	0.01183	0.485146	6.05E-29
0.00055	0.122327	0.00814	-0.26712	4.52E-09
0.5807	-0.1468	0.00147	0.026545	0.56719
0.15622	-0.07765	0.09372	0.495297	2.82E-30
0.03969	0.066597	0.15074	-0.0117	0.8009
0.0278	0.019448	0.67507	0.414349	8.45E-21
0.31206	-0.08463	0.06767	0.31962	1.49E-12
0.05169	-0.11513	0.01279	0.109703	0.01772
0.11195	-0.01718	0.71112	0.041217	0.37417
0.14382	0.001949	0.96649	0.110928	0.01648
0.33337	-0.08277	0.07394	0.25338	2.83E-08
0.43853	0.119163	0.00995	0.290774	1.50E-10
2.54E-06	-0.15815	0.0006	-0.32272	8.83E-13
0.98865	-0.00856	0.85367	0.328227	3.42E-13
0.43144	-0.11535	0.01262	0.366281	2.83E-16
0.00518	0.03852	0.40626	0.231409	4.28E-07
0.06073	-0.07907	0.08785	-0.1831	6.89E-05
2.67E-05	0.004479	0.9231	0.417005	4.51E-21
7.86E-08	0.254597	2.41E-08	0.306836	1.23E-11
0.27262	-0.02771	0.55024	0.150307	0.00112
0.04456	0.018683	0.68716	0.116134	0.01202
0.42349	0.093517	0.04339	0.100449	0.02998
0.92345	-0.09965	0.03132	0.307387	1.12E-11
0.63805	-0.02069	0.65559	0.188982	3.96E-05
0.27364	-0.03182	0.49276	0.184496	6.05E-05
0.01299	-0.00642	0.88994	-0.30515	1.61E-11
0.04222	0.040139	0.3868	0.354176	3.01E-15
0.00738	0.023987	0.60512	0.084329	0.06865
0.62852	-0.15672	0.00068	0.544908	1.81E-37
0.14075	-0.00842	0.85599	0.159992	0.00052
0.00589	0.384823	6.23E-18	-0.29418	8.92E-11
0.02201	-0.09098	0.04943	-0.04517	0.33009
0.9684	-0.06447	0.16425	-0.06197	0.18123
0.15268	-0.04883	0.29231	0.202392	1.04E-05
0.00088	0.090133	0.05159	0.028238	0.54272
0.04456	-0.18885	4.01E-05	0.190015	3.58E-05
0.01415	-0.0363	0.43388	-0.15759	0.00063
0.96761	0.008507	0.85453	0.069914	0.13139

0.29367	-0.03051	0.5107	0.182608	7.22E-05
0.63729	-0.03343	0.47107	-0.13364	0.00381
0.03022	0.166205	0.00031	-0.13858	0.00269
0.38382	-0.0069	0.88175	0.278377	9.30E-10
0.00756	0.052474	0.25775	0.337359	6.80E-14
3.13E-07	0.328425	3.31E-13	-0.02089	0.65258
0.63865	-0.09626	0.03757	0.47797	4.98E-28
0.00022	0.072818	0.11607	0.22885	5.77E-07
2.59E-11	0.102363	0.02697	0.456923	1.82E-25
0.56931	-0.0074	0.87332	0.038279	0.40921
0.37797	-0.10391	0.02473	0.146383	0.00151
0.04634	-0.0048	0.91761	0.393233	1.02E-18
0.72341	-0.08304	0.07301	0.187956	4.36E-05
0.45206	-0.00887	0.84839	0.015304	0.7415
0.21197	-0.17991	9.26E-05	0.218641	1.84E-06
0.01978	0.099655	0.03131	0.189334	3.82E-05
6.15E-05	0.023422	0.61366	0.398436	3.22E-19
0.25141	-0.06088	0.18904	0.249203	4.84E-08
6.71E-06	0.25249	3.17E-08	0.032717	0.48062
0.02254	-0.15084	0.00108	0.118871	0.01014
0.72291	-0.13269	0.00407	0.112621	0.01489
4.36E-05	0.049939	0.28149	0.563428	1.78E-40
0.398	-0.07293	0.11549	0.075771	0.10197
0.36585	0.011388	0.80611	0.076529	0.09857
0.49826	0.022002	0.63532	-0.08728	0.05948
0.35522	-0.04406	0.34207	0.168639	0.00025
0.0098	-0.02095	0.65161	0.46698	1.14E-26
0.07348	-0.01535	0.7407	-0.24152	1.27E-07
0.39991	-0.0739	0.11075	-0.05181	0.26383
0.00927	0.054014	0.24403	-0.03577	0.44061
0.44308	-0.01139	0.80612	0.035202	0.4479
1.50E-08	0.222654	1.17E-06	0.132172	0.00422
3.83E-16	0.382057	1.12E-17	0.164425	0.00036
2.63E-11	0.297542	5.31E-11	-0.13099	0.00458
1.54E-07	0.061918	0.18163	0.132146	0.00423
0.16464	0.096467	0.03716	-0.20265	1.02E-05
4.00E-07	-0.2766	1.20E-09	0.014023	0.76247
0.0001	0.206149	7.08E-06	-0.00225	0.96129
0.35779	-0.01779	0.70134	0.112981	0.01457
9.21E-05	0.134162	0.00368	0.086191	0.06273
7.07E-07	0.11386	0.01382	0.416016	5.70E-21
0.02669	0.313429	4.19E-12	-0.13534	0.00338
0.02338	0.340441	3.90E-14	-0.03776	0.4156
0.00143	0.169719	0.00023	-0.20201	1.09E-05
0.00947	0.207287	6.28E-06	0.163367	0.00039

0.96454	0.034949	0.45117	-0.14519	0.00166
0.05056	0.098296	0.0337	0.010005	0.82927
0.00916	0.15105	0.00106	-0.19877	1.51E-05
0.01135	0.044193	0.34063	-0.10384	0.02482
0.01675	0.056766	0.22079	0.132488	0.00413
0.53202	0.160171	0.00051	-0.09393	0.04248
0.05061	-0.10255	0.02668	0.235421	2.66E-07
0.14888	0.360069	9.65E-16	-0.29993	3.66E-11
8.35E-05	0.112877	0.01466	0.584852	3.38E-44
0.05487	0.095158	0.03983	-0.13077	0.00465
0.00029	-0.01485	0.74887	0.263852	7.06E-09
0.10736	0.029747	0.52135	0.183458	6.67E-05
0.06315	0.134297	0.00364	0.08813	0.05703
0.89602	-0.11792	0.01076	0.259901	1.20E-08
0.0177	-0.09668	0.03674	-0.04903	0.29038
0.06882	-0.07764	0.09376	0.136188	0.00319
0.57788	-0.08109	0.08001	0.41387	9.45E-21
1.06E-07	0.124154	0.00723	0.232227	3.88E-07
0.01142	0.180305	8.92E-05	0.085703	0.06424
0.01964	0.044655	0.3356	0.110543	0.01686
1.24E-05	0.111006	0.0164	0.486506	4.04E-29
0.00034	-0.08765	0.05841	-0.29154	1.33E-10
0.13136	-0.00356	0.93884	-0.18711	4.73E-05
0.12715	0.041282	0.37342	-0.07594	0.10122
0.08235	-0.0861	0.06301	0.263655	7.25E-09
0.09538	0.02388	0.60673	0.096574	0.03695
0.0052	-0.10906	0.0184	0.537819	2.29E-36
0.59688	-0.03147	0.49751	-0.0329	0.47819
0.34365	0.048365	0.29695	-0.21829	1.91E-06
1.28E-12	0.278059	9.73E-10	0.288459	2.12E-10
0.08093	-0.0239	0.60644	-0.0069	0.8818
4.14E-05	0.032715	0.48064	0.462523	3.93E-26
0.0011	-0.0051	0.91246	0.156295	0.0007
0.79715	-0.08273	0.07407	0.201708	1.12E-05
0.22985	0.018489	0.69025	-0.03301	0.47675
0.07457	-0.0522	0.26023	0.256615	1.85E-08
0.56138	-0.00602	0.89683	0.02332	0.6152
0.27617	0.116045	0.01209	-0.00899	0.84637
0.56145	0.01225	0.79176	0.188581	4.11E-05
0.44229	-0.07542	0.10355	0.050538	0.27575
2.20E-10	-0.18459	6.00E-05	-0.00877	0.85012
0.00123	0.118666	0.01027	-0.02845	0.53964
0.00041	0.009003	0.84614	0.376145	3.83E-17
0.45247	-0.18767	4.48E-05	0.081947	0.07688
0.45104	0.004652	0.92013	0.265242	5.84E-09

2.81E-05	-0.04054	0.3821	0.316983	2.33E-12
9.79E-06	0.095637	0.03884	0.210655	4.40E-06
0.00284	0.042493	0.35954	0.297217	5.59E-11
0.30416	-0.09125	0.04874	0.312668	4.75E-12
0.00185	0.175603	0.00014	0.047802	0.30262
0.37012	-0.00141	0.97571	-0.22592	8.10E-07
0.01467	-0.12549	0.00662	-0.14617	0.00154
6.40E-14	0.333371	1.39E-13	0.303696	2.02E-11
0.00117	0.071243	0.1242	-0.00367	0.93701
2.83E-10	0.293654	9.66E-11	-0.18571	5.40E-05
0.00085	0.075165	0.10475	0.089014	0.05457
0.62244	-0.15949	0.00054	-0.18787	4.40E-05
4.68E-07	0.00893	0.84738	0.40315	1.12E-19
0.16173	0.051674	0.26509	0.003365	0.94219
0.00576	-0.05612	0.22611	0.574496	2.30E-42
2.98E-12	0.411671	1.58E-20	0.069292	0.13486
0.07263	-0.00109	0.9813	0.221871	1.28E-06
0.00178	0.049507	0.28568	0.331561	1.91E-13
0.72453	0.009503	0.83772	0.192045	2.94E-05
0.00373	-0.02249	0.62782	0.307743	1.06E-11
0.32445	-0.03004	0.5172	0.030947	0.50468
0.00027	-0.04609	0.32023	0.254242	2.53E-08
0.80664	0.004535	0.92214	0.016561	0.72113
0.938	-0.0458	0.32337	0.034253	0.46025
0.30028	0.055228	0.23358	0.131156	0.00453
0.73472	0.081113	0.07994	0.064338	0.16512
0.14705	0.118711	0.01024	-0.09502	0.04013
0.00735	0.156201	0.00071	0.230876	4.55E-07
0.6356	-0.01222	0.79226	0.01363	0.76893
5.96E-06	0.239003	1.72E-07	0.206769	6.63E-06
0.06117	-0.10429	0.02421	0.075386	0.10373
0.00989	-0.20331	9.50E-06	-0.09411	0.04208
0.14742	-0.03157	0.49608	0.222347	1.22E-06
0.21218	-0.13376	0.00378	0.122321	0.00814
0.14805	-0.11539	0.01258	-0.09998	0.03076
0.06645	0.092747	0.04515	-0.01515	0.74403
1.70E-05	0.019418	0.67555	0.388521	2.82E-18
0.8173	0.095433	0.03926	-0.07843	0.09047
0.41414	-0.07635	0.09938	0.224815	9.19E-07
0.02038	0.175878	0.00013	0.248465	5.31E-08
6.88E-06	0.003528	0.93939	0.400735	1.93E-19
0.70422	-0.00909	0.84461	0.176222	0.00013
0.01615	0.025329	0.58507	0.269418	3.29E-09
0.01435	-0.08559	0.0646	0.194947	2.21E-05
0.95662	0.033847	0.46558	-0.17965	9.47E-05

0.00187	-0.08278	0.07392	0.546046	1.20E-37
0.17906	0.069314	0.13474	0.045828	0.32305
0.12341	-0.04298	0.35411	-0.02677	0.56387
0.00313	-0.00508	0.91285	0.292559	1.14E-10
0.00038	0.124799	0.00693	0.422237	1.29E-21
5.14E-14	0.27925	8.20E-10	0.305338	1.56E-11
0.00468	-0.06369	0.16939	-0.11241	0.01508
0.09904	-0.08418	0.06913	0.261741	9.38E-09
2.40E-07	0.081341	0.07909	-0.46651	1.30E-26
0.00049	0.127894	0.00564	-0.09038	0.05096
0.00555	0.215437	2.62E-06	-0.05752	0.2147
0.01875	-0.00148	0.9746	0.159975	0.00052
0.23264	0.043075	0.353	-0.20778	5.96E-06
0.85122	0.022507	0.62759	0.12055	0.00912
0.27839	-0.10208	0.0274	0.063103	0.17339
0.28518	-0.1092	0.01825	0.395627	6.00E-19
0.00017	-0.15486	0.00079	0.040675	0.38048
0.69192	0.054159	0.24276	0.021544	0.64238
0.00239	0.061412	0.18523	-0.18658	4.97E-05
0.46463	-0.10951	0.01792	0.266212	5.12E-09
0.89963	-0.14222	0.00206	0.39412	8.36E-19
0.78645	-0.02244	0.62865	0.151088	0.00106
2.66E-07	0.015815	0.73321	-0.15353	0.00087
0.00565	-0.13066	0.00468	0.562257	2.80E-40
0.75215	-0.1145	0.01329	0.045892	0.32237
0.1096	0.274457	1.63E-09	-0.37455	5.32E-17
0.96271	0.041581	0.36996	-0.24327	1.02E-07
1.18E-05	0.002171	0.96267	0.329651	2.67E-13
0.01324	-0.23668	2.28E-07	0.219549	1.66E-06
0.02579	-0.0109	0.81423	0.128394	0.00546
0.53854	-0.09236	0.04606	-0.03069	0.5082
0.00642	-0.02884	0.53416	-0.22851	6.00E-07
0.60484	0.058075	0.21032	0.079845	0.08478
0.39872	0.054452	0.24022	0.044693	0.33519
0.00092	0.100436	0.03	-0.09281	0.045
0.06282	0.097789	0.03463	-0.25577	2.07E-08
0.00922	0.102305	0.02706	-0.20153	1.14E-05
0.932	0.178271	0.00011	-0.13727	0.00295
0.96422	0.015488	0.73852	-0.2345	2.97E-07
0.55683	-0.12624	0.0063	0.031577	0.49604
2.21E-06	0.023041	0.61944	0.364328	4.18E-16
0.14604	-0.07284	0.11596	0.006741	0.88448
0.18675	0.007509	0.87144	-0.15265	0.00094
0.47667	-0.03903	0.40001	0.022551	0.62691
0.00322	-0.02427	0.60084	0.277702	1.02E-09



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0.00606	0.17026	0.00022	-0.0037	0.9364
0.45314	-0.04084	0.3785	0.162491	0.00042
0.08328	-0.05466	0.23839	0.190057	3.57E-05
0.318	-0.13622	0.00318	0.242536	1.12E-07
0.31716	0.008053	0.86221	0.157706	0.00063
0.44383	-0.00922	0.84254	0.060154	0.19441
0.82488	-0.00367	0.93691	0.017443	0.70694
0.46712	-0.00935	0.84031	0.042722	0.35695
0.47111	-0.04805	0.30016	0.155557	0.00074
0.06205	0.079186	0.08739	0.140591	0.00233
0.08596	0.034513	0.45684	0.13623	0.00318
0.85621	-0.06437	0.16489	0.182647	7.19E-05
0.10538	0.04893	0.29134	-0.01132	0.80733
0.00085	0.08423	0.06897	0.106353	0.02152
0.55137	0.00696	0.88076	-0.01726	0.70991
0.11773	-0.08457	0.06784	0.256816	1.81E-08
0.04361	-0.09337	0.04372	0.31327	4.30E-12
0.9667	-0.05485	0.23675	-0.21396	3.08E-06
0.00382	-0.06405	0.16699	-0.11971	0.00962
0.38583	-0.03306	0.47601	0.272539	2.13E-09
0.25667	-0.05794	0.21134	0.141614	0.00216
0.00387	0.206392	6.90E-06	0.127156	0.00593
0.26931	-0.14358	0.00187	0.011181	0.80957
0.02343	0.158914	0.00057	0.155246	0.00076
0.80727	-0.11564	0.01239	0.346395	1.30E-14
0.24102	0.012993	0.77945	-0.13226	0.0042
0.50568	-0.03852	0.40627	0.15326	0.00089
0.09	-0.09533	0.03946	0.337503	6.63E-14
0.35925	-0.09997	0.03078	0.356132	2.07E-15
0.00077	-0.02652	0.56752	0.460571	6.72E-26
0.87973	0.033111	0.47534	0.127473	0.0058
8.74E-10	0.114628	0.01319	0.538364	1.89E-36
0.8565	-0.02346	0.61304	0.105836	0.02217
4.25E-05	0.262005	9.06E-09	-0.03924	0.39754
3.64E-08	0.028152	0.54395	0.34272	2.57E-14
0.03435	-0.04074	0.37977	-0.29565	7.12E-11
0.03953	-0.05345	0.24901	-0.19081	3.32E-05
0.73215	-0.06828	0.14069	0.196166	1.96E-05
0.3596	-0.083	0.07314	0.040987	0.37683
0.7622	-0.03815	0.41082	-0.02442	0.59861
0.97157	0.095013	0.04013	-0.26664	4.83E-09
0.45809	0.016841	0.71662	-0.02111	0.64909
1.73E-07	0.037446	0.41948	0.56972	1.54E-41

0.62905	-0.01913	0.68013	-0.03717	0.42294
0.51521	-0.00881	0.84932	0.04093	0.3775
0.88639	-0.01836	0.69226	0.031387	0.49865
0.99463	-0.06523	0.15934	0.082011	0.07664
0.00242	0.051115	0.2703	-0.02427	0.6009
0.02748	-0.00834	0.8573	0.263118	7.80E-09
0.00087	-0.08926	0.05391	0.385181	5.77E-18
0.01428	-0.09504	0.04008	0.364237	4.25E-16
0.67102	-0.00241	0.95853	0.158579	0.00058
0.07928	0.156666	0.00068	0.033291	0.47295
0.04709	0.080864	0.08087	0.253585	2.75E-08
0.00024	0.088634	0.05561	0.268831	3.57E-09
0.02283	-0.02466	0.59501	0.201895	1.10E-05
2.66E-05	0.155229	0.00076	0.492079	7.54E-30
0.00382	0.200381	1.28E-05	0.053021	0.25282
0.10294	-0.07973	0.08523	0.072938	0.11547
0.9537	0.025553	0.58176	-0.05506	0.23497
0.05059	-0.11769	0.01092	0.017198	0.71087
0.03024	0.05274	0.25534	0.038502	0.40647
0.07802	-0.07852	0.09008	0.040811	0.3789
0.00085	0.306704	1.25E-11	-0.28856	2.09E-10
0.03797	-0.0942	0.04188	0.130467	0.00474
5.77E-15	0.147853	0.00135	0.449164	1.44E-24
0.86383	-0.06959	0.13318	0.179253	9.82E-05
0.33004	0.046332	0.31775	-0.02416	0.60259
0.37272	0.11996	0.00947	0.171376	0.0002
0.07266	0.030849	0.50603	-0.33522	9.99E-14
6.07E-06	-0.13222	0.00421	-0.14278	0.00198
0.00909	-0.05704	0.21853	-0.35922	1.14E-15
0.11361	0.231785	4.09E-07	-0.21861	1.85E-06
0.0278	0.093072	0.0444	-0.07495	0.10575
0.38488	0.107679	0.01994	-0.03775	0.41569
6.73E-06	-0.09909	0.03228	-0.36581	3.11E-16
0.41201	0.022045	0.63466	0.041962	0.36559
0.42778	-0.03296	0.47733	0.219048	1.76E-06
0.00015	-0.05354	0.24816	-0.17015	0.00022
0.00219	-0.06389	0.16807	-0.24121	1.31E-07
0.57488	-0.01834	0.69255	0.00954	0.83709
0.44843	-0.09232	0.04616	-0.13792	0.00282
0.05382	0.124626	0.00701	0.085604	0.06455
0.20282	-0.05142	0.26748	0.015072	0.74528
0.00149	0.012173	0.79304	0.314257	3.66E-12
0.76144	-0.07094	0.12582	0.396621	4.82E-19
2.73E-06	-0.0052	0.9107	0.356884	1.79E-15
0.1404	-0.01411	0.76102	0.172213	0.00018

0.69141	-0.04499	0.332	0.13926	0.00256
2.08E-06	0.327926	3.61E-13	-0.11124	0.01618
0.1849	-0.00512	0.9122	0.407932	3.75E-20
0.19614	-0.08997	0.05201	0.081092	0.08001
0.58022	0.171066	0.0002	0.05623	0.22519
0.00062	-0.13892	0.00262	-0.14934	0.00121
0.33488	0.053335	0.25002	-0.10359	0.02518
0.00607	-0.07234	0.11849	0.212628	3.56E-06
0.06144	0.046333	0.31774	0.087493	0.05885
0.15409	0.029259	0.52821	-0.00165	0.97161
0.00022	-0.07139	0.12343	0.008887	0.8481
0.12021	0.073953	0.11048	-0.3064	1.31E-11
0.00176	-0.01854	0.68944	0.356353	1.98E-15
2.43E-09	0.152228	0.00097	0.281267	6.12E-10
0.00011	-0.17396	0.00016	-0.04885	0.29213
0.01806	-0.10154	0.02823	0.015276	0.74196
0.07945	0.079871	0.08468	0.052984	0.25315
1.47E-08	0.15759	0.00063	0.513385	9.20E-33
0.05288	0.114918	0.01296	0.110496	0.0169
0.79516	-0.02657	0.56683	0.338129	5.92E-14
0.14674	-0.12613	0.00635	0.418278	3.33E-21
0.12204	0.146472	0.0015	0.079511	0.0861
0.89745	-0.0567	0.22129	0.366683	2.62E-16
3.46E-10	0.162412	0.00043	0.469492	5.63E-27
0.07304	0.143617	0.00186	0.062429	0.17804
0.00037	0.042532	0.3591	0.268027	3.99E-09
0.63701	-0.0507	0.27422	0.305351	1.55E-11
0.00295	-0.03	0.51788	0.602727	1.60E-47
0.43915	-0.02839	0.54054	0.039618	0.39299
0.08574	0.005994	0.8972	0.11644	0.0118
0.00781	0.046787	0.31301	0.116744	0.01158
1.86E-05	-0.02128	0.64639	0.490416	1.25E-29
0.01885	0.050124	0.27972	0.170383	0.00022
0.01535	-0.02707	0.55952	0.319731	1.47E-12
0.03588	0.116832	0.01152	0.163691	0.00038
0.003	0.148047	0.00133	-0.0947	0.04079
0.62704	0.03914	0.39874	-0.07169	0.12186
1.07E-06	-0.00713	0.87782	0.144346	0.00176
0.12923	-0.07952	0.08608	0.167676	0.00027
0.10808	-0.06997	0.13106	0.406598	5.10E-20
0.60443	0.04483	0.3337	0.099263	0.03198
4.24E-06	-0.08977	0.05254	0.32859	3.21E-13
0.66053	-0.12515	0.00677	-0.16255	0.00042
0.00122	0.174858	0.00015	-0.03151	0.49702
0.21566	0.226163	7.87E-07	-0.24428	8.99E-08

2.06E-11	0.205091	7.90E-06	0.138007	0.0028
0.1709	-0.0295	0.52479	-0.09251	0.0457
0.61869	0.034813	0.45294	0.062718	0.17604
0.00703	0.090931	0.04955	0.111668	0.01577
0.03858	-0.12058	0.0091	0.134756	0.00353
0.48585	-0.01961	0.6726	0.255646	2.11E-08
0.75613	-0.23062	4.69E-07	0.379986	1.73E-17
1.57E-05	0.209158	5.16E-06	-0.21071	4.37E-06
0.37392	0.031188	0.50137	0.126921	0.00602
0.03482	0.008419	0.85601	-0.34288	2.50E-14
0.00012	0.08286	0.07363	0.096848	0.03642
0.00111	0.010607	0.81917	0.344404	1.89E-14
0.01218	0.055914	0.22781	0.350236	6.36E-15
0.18735	0.007088	0.87859	0.085236	0.06571
0.02373	0.003246	0.94423	0.143708	0.00185
0.14727	-0.21346	3.25E-06	0.501592	4.00E-31
0.10502	-0.08298	0.07321	0.259381	1.29E-08
0.61408	0.254694	2.38E-08	-0.30831	9.67E-12
0.38999	-0.10103	0.02903	0.243652	9.72E-08
0.00203	0.015435	0.73937	0.417119	4.39E-21
0.44297	0.004614	0.92079	-0.23323	3.45E-07
0.10288	0.030873	0.50571	-0.08607	0.06309
0.0528	-0.1361	0.00321	0.310833	6.42E-12
0.13854	0.135236	0.00341	-0.07204	0.12005
0.13335	-0.07138	0.1235	0.056251	0.22501
2.16E-06	0.024339	0.59983	0.601148	3.21E-47
0.57288	-0.0776	0.09394	0.337056	7.19E-14
0.90281	-0.07483	0.10633	0.138542	0.0027
4.60E-10	0.132717	0.00407	0.475254	1.09E-27
0.64426	-0.04752	0.30549	0.049824	0.2826
0.60998	-0.03745	0.4194	0.026318	0.5705
0.93019	-0.1139	0.01378	0.136744	0.00307
0.87363	-0.05669	0.22144	0.091967	0.047
0.20656	-0.03856	0.40578	0.071809	0.12123
0.00039	0.015397	0.73999	0.364719	3.87E-16
0.20695	-0.20116	1.18E-05	0.290164	1.64E-10
0.61391	0.077777	0.09319	0.012452	0.7884
0.58098	-0.04843	0.2963	-0.06371	0.16929
0.7129	-0.1375	0.0029	0.211871	3.86E-06
0.03556	-0.02717	0.55808	0.381036	1.39E-17
0.00059	-0.0309	0.50532	0.468287	7.90E-27
1.69E-06	0.087828	0.05789	0.310548	6.72E-12
0.97296	-0.06703	0.14813	0.103863	0.0248
0.0248	-0.02722	0.5574	0.1212	0.00875
0.05422	-0.13211	0.00424	0.308332	9.63E-12

0.71761	-0.14299	0.00195	0.094121	0.04205
0.43808	-0.13539	0.00337	0.091994	0.04693
0.12895	-0.11998	0.00945	-0.06005	0.19522
0.16094	0.082368	0.07537	-0.10431	0.02418
0.76988	-0.08972	0.05267	0.059399	0.20008
4.03E-05	-0.0241	0.60335	-0.26593	5.32E-09
0.00142	-0.06052	0.1917	0.386962	3.94E-18
0.00065	-0.02318	0.61726	0.404393	8.43E-20
0.98705	-0.05916	0.20192	-0.00215	0.96303
0.9297	-0.02627	0.57125	0.180589	8.69E-05
0.44222	-0.04743	0.3064	0.1029	0.02617
0.7405	0.040047	0.38789	0.21212	3.76E-06
0.14775	-0.02825	0.54259	0.34714	1.14E-14
0.59889	-0.17171	0.00019	0.437796	2.74E-23
0.59959	-0.0923	0.0462	0.17753	0.00011
0.00851	0.237788	2.00E-07	0.132359	0.00417
0.00242	-0.10217	0.02726	-0.25264	3.11E-08
0.14133	-0.06054	0.19159	0.38296	9.24E-18
0.0062	0.048754	0.29308	0.256468	1.89E-08
3.74E-05	-0.02057	0.65748	0.324914	6.07E-13
0.13989	-0.18302	6.95E-05	0.233689	3.27E-07
0.00616	0.117	0.0114	0.245901	7.34E-08
0.24936	-0.01001	0.82918	0.102564	0.02667
0.27243	-0.0625	0.17757	0.340622	3.77E-14
0.21943	-0.03637	0.43303	0.27079	2.72E-09
0.19569	0.090601	0.05039	0.088057	0.05723
0.99099	-0.01216	0.79328	0.194418	2.33E-05
0.2528	-0.20616	7.07E-06	0.41486	7.49E-21
0.30683	-0.08209	0.07637	0.241994	1.19E-07
0.00188	-0.04418	0.34072	0.297755	5.14E-11
0.06563	0.046503	0.31596	-0.24839	5.36E-08
0.07838	-0.18524	5.64E-05	0.183203	6.83E-05
0.55885	-0.10931	0.01813	0.07403	0.11011
0.19998	-0.07731	0.09519	0.233262	3.44E-07
0.23596	-0.01248	0.78793	0.214029	3.06E-06
0.53049	0.013487	0.77129	0.204253	8.62E-06
0.44869	-0.03547	0.44451	-0.2445	8.75E-08
0.23846	-0.06546	0.15784	-0.07477	0.1066
0.00603	-0.08998	0.05199	0.232932	3.57E-07
0.01941	-0.00725	0.87576	0.130327	0.00479
9.53E-05	-0.00778	0.86678	0.34617	1.36E-14
9.47E-05	-0.09444	0.04136	0.39672	4.71E-19
0.10136	0.078261	0.09116	-0.0515	0.26666
0.44067	-0.12907	0.00521	0.271688	2.40E-09
0.29286	-0.03996	0.38892	0.164994	0.00034

0.36115	0.112669	0.01485	0.100261	0.03029
0.11961	-0.11198	0.01547	0.176747	0.00012
0.25276	-0.08226	0.07574	0.302446	2.47E-11
0.01019	-0.23255	3.74E-07	-0.10393	0.0247
0.08602	-0.09075	0.05001	0.316444	2.55E-12
0.30019	-0.0959	0.0383	0.351696	4.82E-15
0.19729	-0.19587	2.02E-05	0.219321	1.71E-06
0.78704	-0.1704	0.00022	0.112535	0.01497
0.81828	-0.09891	0.0326	0.13046	0.00475
0.71382	-0.10545	0.02266	0.391664	1.43E-18
0.12483	-0.04904	0.2903	0.218784	1.81E-06
0.00128	-0.10585	0.02215	-0.18461	5.99E-05
0.10867	-0.10981	0.0176	0.195389	2.12E-05
0.13386	0.058257	0.20889	0.110992	0.01642
0.40828	0.02347	0.61292	0.242749	1.09E-07
0.1935	0.01487	0.7486	0.209005	5.24E-06
0.03601	-0.2252	8.79E-07	0.151554	0.00102
0.00431	-0.00132	0.97725	-0.01596	0.73079
0.6099	-0.03319	0.47428	0.109464	0.01797
4.82E-07	0.06754	0.14503	0.438891	2.07E-23
1.18E-09	0.107921	0.01966	0.367018	2.45E-16
1.90E-05	-0.09229	0.04623	-0.18557	5.47E-05
0.00309	0.458656	1.13E-25	-0.09212	0.04662
0.00482	0.348839	8.26E-15	-0.09432	0.04161
0.01546	-0.10141	0.02843	-0.15203	0.00098
0.00122	0.229349	5.45E-07	0.00329	0.94347
0.82003	0.20734	6.25E-06	-0.47631	8.04E-28
7.54E-06	0.3523	4.30E-15	0.106336	0.02155
1.19E-21	0.586537	1.68E-44	0.057906	0.21164
2.27E-32	0.613792	1.09E-49	0.149689	0.00118
2.20E-08	0.430807	1.59E-22	-0.03062	0.50926
2.06E-06	0.351013	5.49E-15	-0.13882	0.00264
9.02E-12	0.610968	3.98E-49	-0.17363	0.00016
3.38E-08	0.491918	7.92E-30	-0.05325	0.25078
0.73179	0.212514	3.60E-06	-0.03455	0.45637
0.17854	0.278992	8.51E-10	-0.15103	0.00106
0.61501	0.157619	0.00063	-0.20123	1.18E-05
5.07E-06	0.50334	2.31E-31	-0.17101	0.0002
1.45E-05	0.189181	3.88E-05	0.070838	0.12635
0.0006	0.174487	0.00015	0.163552	0.00039
8.29E-17	0.535141	5.87E-36	-0.12197	0.00833
4.70E-08	0.332321	1.67E-13	0.065469	0.15779
1.38E-07	0.291932	1.26E-10	0.150505	0.00111
7.83E-08	0.440976	1.22E-23	-0.11745	0.01108
0.79744	0.199752	1.37E-05	-0.21126	4.12E-06

0.00857	0.300406	3.40E-11	-0.03727	0.42168
9.10E-12	0.588413	7.64E-45	-0.16935	0.00024
6.65E-09	0.396796	4.63E-19	-0.1369	0.00303
1.38E-15	0.54448	2.11E-37	-0.17594	0.00013
5.80E-05	0.399114	2.77E-19	-0.15763	0.00063
0.02141	0.165737	0.00032	-0.16395	0.00037
3.18E-06	0.323078	8.32E-13	0.141319	0.00221
4.55E-09	0.540412	9.10E-37	-0.24523	7.99E-08
3.94E-06	0.442497	8.22E-24	-0.12615	0.00634
3.96E-09	0.539249	1.38E-36	-0.18572	5.39E-05
1.87E-06	0.508402	4.61E-32	-0.18388	6.41E-05
1.56E-06	0.321844	1.03E-12	-0.12632	0.00627
9.85E-08	0.49018	1.34E-29	-0.12184	0.00839
5.44E-28	0.53836	1.89E-36	-0.06056	0.19143
8.62E-06	0.572271	5.60E-42	-0.27449	1.62E-09
1.33E-06	0.544513	2.09E-37	-0.2512	3.75E-08
1.97E-12	0.512568	1.20E-32	-0.17459	0.00015
0.00012	0.373019	7.28E-17	-0.1765	0.00013
4.17E-15	0.542882	3.76E-37	-0.1339	0.00374
1.50E-05	0.456804	1.87E-25	-0.24203	1.19E-07
1.85E-05	0.459948	7.97E-26	-0.17112	0.0002
2.99E-08	0.490772	1.12E-29	-0.086	0.06332
2.32E-08	0.591069	2.49E-45	-0.07715	0.09586
0.00657	0.311872	5.42E-12	0.026388	0.56947
1.15E-07	0.410578	2.04E-20	-0.13003	0.00489
0.00199	0.348712	8.46E-15	0.083468	0.07153
6.53E-10	0.517008	2.80E-33	-0.1567	0.00068
0.00033	0.400475	2.04E-19	-0.10141	0.02843
5.01E-06	0.42496	6.67E-22	-0.24743	6.06E-08
3.54E-07	0.226821	7.30E-07	0.117051	0.01136
0.10572	0.168548	0.00025	0.024424	0.59856
8.94E-09	0.572563	4.98E-42	-0.11749	0.01105
0.02276	0.20518	7.83E-06	0.111812	0.01563
1.24E-08	0.386972	3.94E-18	-0.07914	0.08758
4.82E-05	0.524901	2.00E-34	-0.16754	0.00028
3.60E-05	0.436069	4.24E-23	-0.23169	4.14E-07
3.08E-06	0.477003	6.59E-28	-0.13919	0.00257
1.34E-08	0.354835	2.65E-15	-0.13793	0.00282
9.62E-08	0.390317	1.92E-18	-0.19456	2.30E-05
1.92E-06	0.517507	2.38E-33	-0.17821	0.00011
0.06878	0.15229	0.00096	-0.00062	0.98936
6.32E-09	0.486716	3.79E-29	-0.19512	2.17E-05
5.71E-05	0.339665	4.49E-14	0.011507	0.80413
1.49E-15	0.470865	3.82E-27	-0.16335	0.00039
0.0233	0.282283	5.28E-10	-0.08983	0.05237

3.43E-08	0.29636	6.38E-11	-0.05334	0.25001
0.12278	0.319572	1.51E-12	-0.1725	0.00018
0.01331	0.103489	0.02532	-0.35246	4.17E-15
0.01321	0.167963	0.00027	-0.26116	1.01E-08
2.85E-06	0.294629	8.32E-11	0.001684	0.97105
2.18E-07	0.446322	3.04E-24	-0.20213	1.07E-05
0.60423	0.203021	9.79E-06	0.070524	0.12805
7.26E-10	0.476695	7.20E-28	0.026143	0.57307
5.59E-07	0.45027	1.08E-24	-0.20063	1.25E-05
6.57E-13	0.524455	2.33E-34	-0.29658	6.17E-11
0.30704	0.202482	1.04E-05	-0.02879	0.53479
0.00124	0.266385	5.00E-09	-0.08436	0.06855
7.65E-07	0.367833	2.08E-16	-0.11629	0.01191
0.00989	0.22021	1.55E-06	-0.04732	0.30752
2.46E-06	0.323913	7.21E-13	-0.07368	0.11179
0.0012	0.28953	1.80E-10	-0.08878	0.0552
0.00036	0.294834	8.07E-11	-0.08156	0.07827
9.27E-16	0.523066	3.72E-34	0.17441	0.00015
1.57E-08	0.449755	1.24E-24	-0.12439	0.00712
1.04E-21	0.507345	6.47E-32	-0.17427	0.00015
2.94E-07	0.429612	2.13E-22	-0.11555	0.01246
1.92E-05	0.483287	1.05E-28	-0.09881	0.03277
3.99E-10	0.517579	2.32E-33	0.013652	0.76858
0.00033	0.395708	5.89E-19	-0.10629	0.0216
0.00015	0.371896	9.15E-17	-0.13602	0.00323
2.04E-11	0.398215	3.38E-19	-0.11606	0.01208
8.61E-12	0.367724	2.12E-16	-0.13391	0.00374
1.44E-06	0.439413	1.81E-23	-0.11205	0.01541
0.08766	0.184566	6.01E-05	-0.30475	1.71E-11
1.63E-10	0.524422	2.35E-34	0.015253	0.74234
1.23E-06	0.439462	1.79E-23	-0.13138	0.00446
2.01E-05	0.491791	8.23E-30	-0.21942	1.69E-06
3.09E-05	0.412343	1.35E-20	-0.14086	0.00228
0.00018	0.428404	2.87E-22	-0.12944	0.00508
1.27E-05	0.363837	4.60E-16	-0.09825	0.03378
7.14E-06	0.51338	9.22E-33	-0.05009	0.28004
3.45E-08	0.5426	4.16E-37	0.005877	0.8992
6.87E-19	0.615781	4.37E-50	-0.02753	0.55295
3.62E-08	0.411532	1.63E-20	-0.11699	0.0114
1.13E-14	0.455848	2.43E-25	-0.15857	0.00058
1.06E-07	0.407592	4.06E-20	-0.13073	0.00466
6.25E-09	0.425728	5.54E-22	-0.23595	2.49E-07
0.08286	0.210853	4.30E-06	-0.05865	0.20584
2.75E-07	0.433888	7.35E-23	-0.18733	4.63E-05
1.67E-09	0.259964	1.19E-08	0.011847	0.79847



4.49E-13	0.594992	4.66E-46	-0.15068	0.00109
1.29E-05	0.440812	1.27E-23	-0.14248	0.00202
6.80E-13	0.542334	4.58E-37	-0.07722	0.09557
4.06E-10	0.456213	2.20E-25	-0.12263	0.00798
3.08E-12	0.5174	2.46E-33	-0.11383	0.01384
1.59E-08	0.513067	1.02E-32	-0.2509	3.90E-08
1.13E-11	0.577142	7.94E-43	-0.16503	0.00034
4.44E-05	0.363222	5.20E-16	-0.14273	0.00199
1.65E-07	0.370067	1.33E-16	-0.12003	0.00942
4.55E-13	0.508394	4.62E-32	-0.17122	0.0002
0.88029	0.172785	0.00018	-0.17984	9.31E-05
4.80E-08	0.523796	2.91E-34	-0.20333	9.48E-06
1.66E-08	0.361572	7.19E-16	-0.15333	0.00089
0.47458	0.130921	0.0046	-0.1163	0.0119
0.06928	0.112015	0.01544	0.05597	0.22734
3.86E-12	0.492829	6.00E-30	-0.13114	0.00453
0.00542	0.390059	2.03E-18	-0.20114	1.19E-05
6.66E-07	0.35248	4.16E-15	-0.08336	0.0719
7.03E-05	0.323843	7.30E-13	-0.119	0.01006
1.70E-07	0.33749	6.65E-14	-0.09339	0.04369
0.11824	0.053009	0.25293	0.024325	0.60004
5.77E-13	0.473653	1.73E-27	0.009934	0.83046
0.00852	0.25707	1.75E-08	-0.10429	0.02421
0.02064	0.139469	0.00252	0.267536	4.27E-09
4.99E-09	0.376311	3.70E-17	-0.11591	0.01219
7.78E-08	0.5104	2.42E-32	-0.13804	0.0028
2.99E-08	0.41723	4.28E-21	-0.14881	0.00126
1.18E-06	0.461278	5.54E-26	-0.11833	0.01049
1.93E-05	0.394836	7.14E-19	-0.07262	0.11705
8.91E-17	0.380558	1.53E-17	0.417068	4.45E-21
0.23687	0.246675	6.66E-08	0.0886	0.05571
0.00014	0.347211	1.12E-14	0.009167	0.84337
0.06636	0.172726	0.00018	0.147153	0.00143
8.47E-11	0.500064	6.45E-31	-0.33944	4.68E-14
5.34E-06	0.310326	6.97E-12	-0.0998	0.03107
4.32E-11	0.508214	4.90E-32	-0.04291	0.3549
4.12E-13	0.380035	1.71E-17	0.216659	2.29E-06
1.63E-05	0.42501	6.59E-22	-0.17856	0.0001
1.27E-05	0.366342	2.80E-16	-0.03578	0.44042
6.56E-06	0.496274	2.09E-30	-0.11298	0.01457
5.07E-08	0.546155	1.15E-37	-0.12126	0.00871
0.0005	0.374298	5.60E-17	-0.1917	3.04E-05
0.00254	0.262516	8.46E-09	0.021688	0.64016
1.18E-10	0.461825	4.77E-26	-0.13084	0.00462
0.08838	0.234783	2.87E-07	0.001951	0.96645

0.00061	0.204724	8.21E-06	0.167723	0.00027
5.90E-11	0.420718	1.86E-21	-0.17396	0.00016
0.00018	0.345984	1.41E-14	-0.08837	0.05636
6.69E-11	0.387413	3.58E-18	-0.06462	0.16329
0.58552	0.257312	1.69E-08	-0.37924	2.02E-17
6.22E-06	0.464662	2.18E-26	-0.11413	0.0136
4.49E-11	0.388521	2.82E-18	-0.05546	0.23165
8.64E-07	0.396929	4.50E-19	-0.09768	0.03483
7.03E-06	0.371465	9.99E-17	-0.12247	0.00806
1.25E-09	0.516953	2.85E-33	-0.15762	0.00063
7.74E-07	0.508603	4.32E-32	-0.07692	0.09686
1.46E-08	0.52289	3.95E-34	-0.1512	0.00105
1.50E-09	0.426228	4.90E-22	-0.12171	0.00847
0.00073	0.219096	1.75E-06	0.285962	3.07E-10
0.01196	0.296769	5.99E-11	-0.02574	0.57903
1.49E-13	0.576102	1.21E-42	0.012088	0.79445
4.35E-06	0.549843	2.98E-38	-0.15868	0.00058
1.22E-08	0.442896	7.42E-24	-0.15588	0.00072
6.72E-09	0.275223	1.46E-09	0.261459	9.75E-09
0.00034	0.274621	1.59E-09	-0.11057	0.01683
0.01407	0.262589	8.37E-09	0.028242	0.54266
0.00368	0.457693	1.47E-25	-0.16823	0.00026
1.74E-12	0.601983	2.22E-47	-0.20118	1.18E-05
4.18E-05	0.308921	8.76E-12	-0.00731	0.87486
1.32E-18	0.426748	4.31E-22	-0.08553	0.06478
7.15E-08	0.564897	1.01E-40	-0.2096	4.92E-06
0.20292	0.370302	1.26E-16	-0.0592	0.20158
2.30E-09	0.434478	6.34E-23	-0.13428	0.00365
0.00019	0.221256	1.38E-06	-0.08461	0.06772
1.51E-12	0.345578	1.52E-14	0.294551	8.42E-11
1.06E-09	0.532285	1.59E-35	-0.17782	0.00011
1.07E-06	0.463544	2.97E-26	-0.17491	0.00015
4.48E-11	0.525591	1.58E-34	-0.12333	0.00763
2.69E-08	0.451591	7.59E-25	-0.16242	0.00043
3.24E-11	0.459584	8.81E-26	-0.13299	0.00399
3.98E-12	0.471281	3.39E-27	-0.11048	0.01692
0.00371	0.373292	6.89E-17	0.087685	0.0583
2.23E-14	0.568848	2.16E-41	-0.15978	0.00053
5.14E-06	0.401574	1.59E-19	0.066791	0.14955
6.09E-21	0.537658	2.42E-36	-0.06021	0.19398
5.41E-07	0.450867	9.20E-25	-0.13055	0.00472
4.76E-08	0.259048	1.34E-08	0.387458	3.55E-18
1.32E-07	0.346533	1.27E-14	-0.09054	0.05054
8.63E-08	0.439057	1.99E-23	0.135896	0.00326
1.29E-06	0.449244	1.41E-24	-0.08128	0.07931

0.00107	0.192229	2.89E-05	0.093213	0.04408
3.68E-06	0.379482	1.92E-17	-0.10626	0.02163
6.05E-07	0.331797	1.83E-13	-0.17799	0.00011
1.29E-13	0.516179	3.68E-33	-0.17152	0.0002
1.08E-08	0.503253	2.37E-31	-0.01736	0.70834
1.20E-08	0.406756	4.92E-20	-0.09927	0.03197
2.88E-06	0.401389	1.66E-19	-0.07861	0.08972
0.00088	0.327221	4.08E-13	-0.06472	0.1626
7.94E-09	0.402753	1.22E-19	-0.10947	0.01795
0.04189	0.158614	0.00058	0.114221	0.01352
5.29E-12	0.42207	1.34E-21	-0.06895	0.13683
0.00615	0.367625	2.17E-16	-0.03329	0.473
3.31E-14	0.467169	1.08E-26	-0.14956	0.00119
8.04E-10	0.367575	2.19E-16	-0.11126	0.01616
4.51E-05	0.216566	2.32E-06	0.312562	4.84E-12
9.59E-07	0.30672	1.25E-11	-0.06694	0.14865
3.30E-09	0.535484	5.21E-36	-0.15661	0.00068
0.04363	0.195899	2.01E-05	0.036167	0.43554
6.34E-12	0.597398	1.65E-46	-0.1068	0.02098
1.57E-07	0.408763	3.10E-20	-0.0327	0.4808
0.03479	0.402997	1.16E-19	-0.15437	0.00082
7.51E-07	0.306329	1.33E-11	0.165539	0.00033
8.51E-51	0.590476	3.20E-45	0.10991	0.0175
0.0002	0.163229	0.0004	0.155164	0.00077
6.36E-08	0.365885	3.07E-16	-0.02147	0.64359
5.50E-06	0.506633	8.12E-32	-0.19717	1.77E-05
3.41E-05	0.35935	1.11E-15	-0.14049	0.00234
0.0005	0.017653	0.70359	0.294474	8.52E-11
0.89443	-0.10015	0.03047	0.088354	0.05639
0.7291	-0.09791	0.03441	0.192967	2.69E-05
0.05775	-0.05019	0.27911	0.203543	9.28E-06
0.94257	-0.03129	0.49998	0.048514	0.29547
0.00546	-0.04295	0.35436	0.243488	9.92E-08
0.91723	-0.11456	0.01324	0.24419	9.09E-08
0.12949	-0.19504	2.19E-05	0.237009	2.19E-07
0.19104	-0.06322	0.17258	0.211596	3.97E-06
0.43931	-0.1482	0.00132	0.068716	0.13814
0.77731	-0.14991	0.00116	0.242811	1.08E-07
0.00019	0.043918	0.34364	0.083679	0.07082
0.64206	-0.05317	0.25146	0.107404	0.02026
0.08774	-0.05678	0.22072	0.037669	0.41671
0.5924	-0.09611	0.03787	0.140089	0.00241
0.56259	-0.10448	0.02395	0.182698	7.16E-05
0.08993	-0.03944	0.39512	0.241163	1.32E-07
0.04771	-0.09578	0.03854	0.192773	2.74E-05

0.24533	-0.04437	0.33871	0.193034	2.67E-05
0.0516	-0.02774	0.54991	0.054963	0.23583
0.01328	-0.01418	0.7599	0.077508	0.09433
0.06067	-0.00814	0.86076	0.060819	0.18952
0.53038	0.008699	0.85128	-0.00585	0.89959
0.28009	-0.04397	0.34303	0.027789	0.54916
1.50E-05	-0.01144	0.8052	0.305635	1.49E-11
0.98348	-0.08811	0.05708	0.080654	0.08166
0.50868	-0.08701	0.06027	0.087554	0.05868
0.87279	-0.10557	0.0225	0.178959	0.0001
0.26712	-0.03885	0.40226	0.131441	0.00444
0.01162	-0.03536	0.44581	0.130019	0.00489
0.97885	-0.06818	0.14123	0.113841	0.01383
0.05154	-0.02961	0.52328	0.136065	0.00322
0.47379	-0.08387	0.07018	0.154881	0.00078
0.00022	0.083577	0.07116	0.162701	0.00042
0.01778	-0.01563	0.73626	0.104389	0.02407
0.10884	-0.01168	0.8013	0.102136	0.02731
0.0579	-0.02254	0.62709	0.120763	0.00899
0.90487	-0.09167	0.04771	0.124874	0.00689
0.11273	-0.02199	0.63553	0.102555	0.02668
0.00104	-0.01591	0.7316	0.102798	0.02632
0.28775	-0.06411	0.16662	0.076436	0.09899
0.13763	-0.11318	0.0144	0.18576	5.37E-05
0.51592	-0.14472	0.00171	0.286983	2.64E-10
0.41215	-0.09858	0.03318	0.210259	4.59E-06
0.0049	-0.06508	0.16028	0.221561	1.33E-06
0.83111	-0.0466	0.31494	0.034044	0.46299
0.14215	-0.03302	0.4765	0.071105	0.12493
0.74574	-0.09093	0.04954	0.111357	0.01606
0.13859	-0.0476	0.30465	0.096051	0.03799
0.73779	-0.11757	0.011	0.07184	0.12106
0.34437	-0.10139	0.02847	0.096637	0.03683
0.60209	-0.03456	0.45623	0.186155	5.18E-05
3.12E-05	-0.0021	0.96394	0.191	3.26E-05
0.43604	-0.09527	0.03959	0.28678	2.72E-10
0.17422	-0.0119	0.7976	0.109635	0.01779
0.07972	-0.0705	0.12819	0.124532	0.00705
0.00689	0.11621	0.01197	0.163736	0.00038
0.18614	0.168855	0.00025	-0.11104	0.01636
1.03E-24	0.386135	4.71E-18	-0.00225	0.96126
0.02026	0.037253	0.42188	0.049858	0.28228
5.76E-22	0.478063	4.84E-28	0.022823	0.62275
7.91E-05	0.167386	0.00028	-0.02392	0.60619
1.62E-15	0.432517	1.04E-22	0.046317	0.31791

1.05E-14	0.550717	2.16E-38	-0.12672	0.0061
2.39E-19	0.613479	1.26E-49	-0.04788	0.3018
2.48E-05	0.194086	2.41E-05	-0.08372	0.07068
1.69E-11	0.415256	6.82E-21	0.024169	0.60239
1.27E-16	0.555165	4.13E-39	-0.09807	0.03412
7.41E-17	0.364085	4.38E-16	0.162938	0.00041
8.26E-20	0.513072	1.02E-32	-0.19974	1.37E-05
2.88E-15	0.419265	2.64E-21	-0.12164	0.0085
4.28E-18	0.478099	4.79E-28	-0.04312	0.35252
0.00127	0.115377	0.0126	-0.04893	0.2913
2.02E-15	0.476696	7.20E-28	-0.08353	0.07133
7.50E-28	0.50117	4.56E-31	0.119509	0.00974
2.88E-17	0.32226	9.56E-13	0.032506	0.48345
1.80E-18	0.308816	8.91E-12	0.279682	7.70E-10
1.85E-14	0.47304	2.06E-27	-0.15782	0.00062
3.54E-16	0.435994	4.33E-23	-0.07675	0.09761
1.45E-07	0.19136	3.14E-05	0.085843	0.06381
0.10233	0.165731	0.00032	-0.1667	0.0003
2.68E-40	0.504662	1.52E-31	0.028473	0.53935
5.58E-06	0.275313	1.44E-09	-0.19433	2.35E-05
5.58E-06	0.193724	2.50E-05	-0.07124	0.12419
1.11E-09	0.41067	1.99E-20	-0.12278	0.0079
8.90E-23	0.397678	3.81E-19	0.075846	0.10163
0.03767	0.071288	0.12396	0.143033	0.00194
3.77E-10	0.45575	2.49E-25	-0.20151	1.14E-05
0.00177	0.298697	4.44E-11	-0.10133	0.02856
4.93E-11	0.244968	8.25E-08	0.047924	0.30138
0.00027	0.234819	2.85E-07	0.000762	0.9869
5.01E-05	0.234748	2.88E-07	-0.12047	0.00916
6.17E-33	0.525709	1.52E-34	-0.02247	0.62811
4.50E-10	0.507996	5.25E-32	-0.12439	0.00712
1.87E-15	0.534436	7.52E-36	-0.19809	1.62E-05
1.50E-06	0.243699	9.67E-08	-0.15213	0.00097
1.85E-18	0.317322	2.20E-12	0.033702	0.46749
5.98E-14	0.370445	1.23E-16	-0.08457	0.06787
1.67E-21	0.493727	4.56E-30	-0.08381	0.07036
0.03395	0.257176	1.72E-08	-0.14922	0.00122
3.12E-07	0.289323	1.86E-10	-0.0011	0.98106
0.00026	0.097672	0.03485	0.121403	0.00863
2.99E-08	0.30781	1.05E-11	-0.05743	0.21542
0.00012	0.191893	2.99E-05	-0.05465	0.23851
1.80E-11	0.286111	3.01E-10	-0.05564	0.23009
4.59E-05	0.168722	0.00025	-0.08354	0.07127
2.86E-19	0.330875	2.15E-13	-0.08139	0.07891
2.96E-11	0.423234	1.01E-21	-0.03122	0.50091

6.24E-07	0.346774	1.22E-14	0.015293	0.74169
0.01463	0.108074	0.01949	-0.03502	0.4502
1.68E-08	0.403923	9.38E-20	-0.03105	0.50327
6.20E-09	0.373303	6.87E-17	-0.16405	0.00037
6.14E-08	0.2471	6.31E-08	-0.19272	2.75E-05
1.37E-13	0.321591	1.07E-12	0.177055	0.00012
7.27E-17	0.570595	1.09E-41	-0.29538	7.42E-11
1.50E-54	0.641754	1.46E-55	-0.03106	0.50313
5.55E-55	0.631388	2.59E-53	-0.02156	0.64207
6.47E-27	0.452091	6.65E-25	0.011443	0.8052
1.58E-16	0.437071	3.29E-23	-0.13115	0.00453
1.77E-06	0.256717	1.83E-08	-0.2295	5.35E-07
5.16E-06	0.174664	0.00015	-0.03437	0.45867
8.70E-11	0.269737	3.15E-09	-0.18004	9.14E-05
9.22E-10	0.369086	1.62E-16	0.194378	2.34E-05
0.27349	0.087864	0.05778	-0.0548	0.23719
9.50E-11	0.245872	7.37E-08	-0.0078	0.86649
2.46E-14	0.447937	1.99E-24	-0.11279	0.01474
3.10E-22	0.369755	1.41E-16	0.028967	0.53234
0.00369	0.368975	1.65E-16	-0.29615	6.59E-11
2.76E-06	0.253463	2.80E-08	-0.05294	0.25358
2.54E-07	0.247647	5.89E-08	-0.0179	0.69969
0.25468	0.054565	0.23925	-0.05696	0.21924
2.17E-12	0.35326	3.58E-15	-0.09951	0.03155
7.62E-16	0.467912	8.78E-27	-0.14949	0.0012
5.87E-07	0.088979	0.05467	0.188374	4.19E-05
0.00058	0.101594	0.02814	0.030688	0.50826
1.55E-13	0.420237	2.09E-21	-0.11832	0.0105
5.63E-19	0.425748	5.51E-22	-0.02588	0.57688
1.98E-23	0.507582	5.99E-32	0.129683	0.005
1.85E-05	0.261268	1.00E-08	-0.0894	0.05353
0.00066	0.377578	2.85E-17	-0.14991	0.00116
2.40E-05	0.178347	0.00011	0.220022	1.58E-06
2.27E-09	0.283807	4.22E-10	0.103062	0.02594
6.57E-06	0.15854	0.00058	-0.05691	0.2196
2.25E-30	0.408931	2.98E-20	-0.00898	0.84652
6.91E-17	0.422638	1.17E-21	-0.12236	0.00812
5.45E-10	0.391491	1.48E-18	0.000218	0.99625
1.29E-08	0.323457	7.79E-13	-0.08157	0.07824
4.69E-74	0.638229	8.70E-55	0.107853	0.01974
5.25E-12	0.532533	1.46E-35	-0.12845	0.00544
2.20E-35	0.668975	6.74E-62	-0.13505	0.00345
3.96E-13	0.206232	7.02E-06	0.036289	0.434
1.15E-07	0.128115	0.00556	0.119652	0.00965
8.26E-11	0.318043	1.95E-12	-0.07161	0.12229

7.94E-07	0.22568	8.32E-07	-0.0534	0.24947
1.37E-19	0.485453	5.53E-29	-0.07958	0.08582
0.11356	0.137915	0.00282	-0.29355	9.82E-11
7.96E-17	0.45842	1.21E-25	0.055012	0.23542
0.00259	0.076761	0.09756	0.184162	6.24E-05
0.6046	0.086428	0.06201	-0.02903	0.53143
0.0009	0.270576	2.80E-09	-0.06466	0.16301
1.08E-23	0.510741	2.17E-32	0.023446	0.61329
7.97E-11	0.455595	2.60E-25	-0.14362	0.00186
1.30E-14	0.51827	1.85E-33	-0.12327	0.00766
1.60E-08	0.269785	3.13E-09	0.01405	0.76203
5.16E-20	0.419068	2.76E-21	0.075576	0.10286
3.57E-19	0.650768	1.38E-57	-0.09091	0.04959
1.63E-05	0.244405	8.85E-08	-0.14283	0.00197
0.00383	0.092061	0.04677	-0.10839	0.01914
5.13E-06	0.194859	2.23E-05	0.062571	0.17706
1.74E-09	0.408763	3.10E-20	-0.14063	0.00232
0.00043	0.416848	4.68E-21	-0.24641	6.89E-08
2.38E-06	0.278816	8.73E-10	-0.19703	1.80E-05
7.86E-08	0.469845	5.09E-27	-0.12049	0.00915
5.43E-08	0.378597	2.31E-17	-0.06044	0.19233
3.56E-08	0.226903	7.23E-07	0.065161	0.15977
6.94E-10	0.422579	1.19E-21	-0.20514	7.87E-06
5.25E-09	0.036538	0.43085	0.069055	0.13621
1.09E-05	0.305248	1.58E-11	-0.09679	0.03653
1.72E-05	0.22833	6.13E-07	0.153828	0.00085
0.50758	0.188803	4.02E-05	-0.17408	0.00016
1.03E-06	0.300372	3.42E-11	-0.05572	0.22939
3.53E-07	0.216396	2.36E-06	-0.07159	0.12235
7.37E-06	0.180506	8.76E-05	-0.0342	0.46094
1.05E-06	0.096902	0.03631	0.178715	0.0001
1.94E-05	0.286573	2.81E-10	-0.08814	0.057
0.01432	0.241556	1.26E-07	-0.28864	2.06E-10
0.00039	0.127191	0.00592	-0.26849	3.74E-09
3.92E-08	0.36373	4.70E-16	-0.1658	0.00032
1.24E-15	0.51499	5.44E-33	-0.18952	3.76E-05
0.06209	0.146829	0.00146	0.020408	0.66003
1.66E-07	0.275057	1.49E-09	0.010042	0.82864
2.26E-10	0.357205	1.68E-15	-0.01145	0.80505
1.18E-10	0.284731	3.69E-10	-0.27892	8.60E-10
4.34E-18	0.390198	1.97E-18	0.046156	0.31959
7.75E-08	0.312106	5.21E-12	-0.22246	1.20E-06
6.74E-13	0.182857	7.05E-05	0.229611	5.28E-07
4.10E-16	0.201445	1.15E-05	0.089762	0.05256
1.10E-12	0.213502	3.24E-06	0.188709	4.06E-05

5.42E-08	0.272022	2.29E-09	0.022379	0.62954
0.00031	0.14414	0.00179	-0.10013	0.03051
1.00E-26	0.499313	8.15E-31	-0.08363	0.07097
5.33E-14	0.457849	1.41E-25	-0.09893	0.03256
3.30E-05	0.216389	2.36E-06	0.145834	0.00158
0.12741	0.07242	0.11808	-0.03192	0.49136
4.31E-07	0.251771	3.48E-08	0.012009	0.79577
6.03E-14	0.395221	6.56E-19	-0.05461	0.23888
1.54E-15	0.505388	1.21E-31	-0.11989	0.00951
4.20E-13	0.327376	3.97E-13	0.003039	0.94777
5.21E-19	0.328453	3.29E-13	0.034873	0.45216
1.16E-09	0.370847	1.13E-16	-0.27136	2.51E-09
9.37E-15	0.51643	3.39E-33	-0.12045	0.00918
0.00019	0.197073	1.79E-05	-0.03497	0.45084
1.84E-14	0.219255	1.72E-06	0.201556	1.14E-05
4.46E-09	0.358388	1.34E-15	-0.01064	0.81858
1.69E-06	0.36456	3.99E-16	-0.2833	4.55E-10
2.42E-17	0.356967	1.76E-15	0.04366	0.34649
1.60E-09	0.240822	1.38E-07	0.305085	1.62E-11
2.19E-19	0.423762	8.93E-22	-0.01961	0.67258
9.42E-13	0.253085	2.94E-08	-0.00061	0.98953
0.01812	0.116976	0.01141	0.016766	0.71783
2.15E-07	0.375951	3.99E-17	-0.14604	0.00155
7.26E-05	0.128534	0.00541	-0.09172	0.04761
2.47E-25	0.538569	1.75E-36	0.061807	0.18242
4.58E-15	0.333525	1.35E-13	0.016733	0.71836
0.0199	0.131573	0.0044	-0.05664	0.22182
2.15E-14	0.239275	1.67E-07	0.132383	0.00416
1.47E-13	0.444346	5.10E-24	0.231838	4.07E-07
4.40E-10	0.391053	1.63E-18	0.007947	0.864
0.00422	0.113975	0.01372	0.060287	0.19343
1.24E-18	0.462337	4.14E-26	-0.10095	0.02917
0.00012	0.154866	0.00079	-0.01963	0.67217
1.91E-09	0.214807	2.81E-06	0.275529	1.40E-09
0.0001	0.283956	4.13E-10	0.021158	0.64835
8.33E-05	0.255109	2.26E-08	0.029019	0.53161
2.77E-07	0.170377	0.00022	0.198761	1.51E-05
2.02E-08	0.379636	1.86E-17	-0.25743	1.67E-08
2.70E-14	0.414896	7.43E-21	-0.18243	7.34E-05
1.89E-09	0.26818	3.91E-09	-0.17501	0.00014
2.24E-08	0.225625	8.38E-07	0.014284	0.75817
2.33E-11	0.224706	9.30E-07	0.006505	0.8885
8.19E-06	0.31394	3.85E-12	-0.08894	0.05478
7.90E-07	0.392118	1.30E-18	-0.1794	9.70E-05
1.49E-13	0.347499	1.06E-14	-0.06292	0.17468



5.49E-13	0.316082	2.70E-12	-0.08345	0.07159
0.00013	0.177778	0.00011	0.020034	0.66588
5.59E-18	0.431985	1.18E-22	-0.11888	0.01013
8.64E-10	0.412295	1.37E-20	-0.08876	0.05526
7.90E-21	0.342263	2.79E-14	0.139007	0.00261
5.21E-10	0.345413	1.56E-14	-0.04299	0.35399
1.04E-12	0.359013	1.18E-15	-0.03092	0.505
5.51E-05	0.187748	4.45E-05	0.033078	0.47578
1.72E-13	0.475852	9.18E-28	-0.12131	0.00869
0.09371	0.11584	0.01224	-0.04181	0.3673
0.00035	0.241298	1.30E-07	-0.15891	0.00057
0.00022	0.289865	1.72E-10	-0.07839	0.09061
5.68E-08	0.375375	4.49E-17	-0.05718	0.21745
1.46E-18	0.379062	2.09E-17	0.02511	0.58833
0.03172	0.233218	3.45E-07	-0.27654	1.21E-09
3.27E-11	0.120379	0.00922	0.195501	2.09E-05
7.46E-11	0.391577	1.46E-18	-0.19349	2.55E-05
2.66E-17	0.444691	4.66E-24	-0.10125	0.02869
1.49E-12	0.211338	4.09E-06	0.130765	0.00465
0.03213	0.083759	0.07055	-0.09735	0.03546
4.81E-12	0.354792	2.68E-15	-0.00278	0.95221
2.43E-10	0.398332	3.29E-19	-0.02884	0.5341
1.75E-13	0.179924	9.24E-05	-0.01945	0.67501
1.09E-13	0.420665	1.88E-21	-0.02977	0.521
5.34E-05	0.11388	0.0138	0.013191	0.77618
3.08E-21	0.32547	5.52E-13	-0.00478	0.91792
5.03E-09	0.234484	2.97E-07	-0.14561	0.0016
7.96E-06	0.339682	4.47E-14	-0.11368	0.01397
1.40E-15	0.408427	3.35E-20	-0.17114	0.0002
2.49E-06	0.18604	5.23E-05	-0.13557	0.00333
1.04E-17	0.341057	3.48E-14	-0.01924	0.67831
5.43E-09	0.253587	2.75E-08	-0.04314	0.35228
1.62E-06	0.167004	0.00029	0.013062	0.77831
1.33E-08	0.351811	4.72E-15	-0.05798	0.21103
1.64E-31	0.481858	1.60E-28	0.031807	0.49291
1.38E-05	0.240378	1.46E-07	-0.15035	0.00112
3.31E-15	0.269764	3.14E-09	-0.00966	0.83504
5.89E-23	0.451223	8.37E-25	-0.02579	0.57822
0.1877	0.185491	5.51E-05	-0.18635	5.08E-05
2.41E-05	0.281063	6.31E-10	-0.17795	0.00011
0.00019	0.183983	6.35E-05	0.01383	0.76565
5.85E-12	0.397994	3.55E-19	-0.18329	6.77E-05
1.15E-12	0.420088	2.16E-21	-0.02361	0.61078
4.81E-05	0.205325	7.71E-06	-0.09122	0.04882
1.73E-06	0.281743	5.71E-10	-0.02605	0.5745

2.62E-07	0.337519	6.61E-14	-0.0291	0.5305
0.00087	0.178179	0.00011	0.017839	0.7006
0.13929	0.048246	0.29814	0.045041	0.33143
0.30708	-0.01587	0.73228	0.072121	0.11961
0.13717	0.064261	0.16563	0.161047	0.00048
0.09364	0.07187	0.12091	0.069879	0.13158
0.14748	0.032533	0.48308	0.043764	0.34534
0.23172	0.074713	0.10685	0.036188	0.43528
0.68437	-0.01328	0.77464	0.037178	0.42282
0.25182	0.063046	0.17379	-0.00954	0.83709
0.82327	0.032607	0.48209	0.048441	0.29619
0.22044	0.031612	0.49556	-0.09715	0.03585
0.01802	0.093903	0.04253	-0.06953	0.13353
0.87841	0.067343	0.14621	-0.0727	0.11668
0.61977	0.046757	0.31332	0.003331	0.94276
0.64655	0.098161	0.03395	0.090855	0.04974
0.92778	-0.04162	0.36947	0.077556	0.09412
0.81111	0.025598	0.58109	-0.11175	0.01569
0.15527	0.040777	0.37929	0.038462	0.40697
0.72406	-0.0056	0.90399	-0.00114	0.98047
0.23095	-0.04824	0.29816	0.031981	0.49054
0.49926	0.124037	0.00728	-0.00399	0.9314
0.0258	0.06096	0.18849	0.049131	0.28936
0.02191	0.142344	0.00205	-0.05477	0.23745
0.04203	0.139087	0.00259	-0.06977	0.13217
0.03132	0.083156	0.0726	0.057697	0.21331
0.60913	0.024021	0.60461	0.161514	0.00046
0.43788	0.030258	0.51422	0.095386	0.03935
0.68283	0.04676	0.31329	0.066553	0.15101
0.05053	0.044851	0.33348	0.097179	0.03578
0.73298	0.007199	0.87669	0.138088	0.00279
0.02322	0.118528	0.01036	0.069652	0.13285
0.31183	0.016541	0.72145	0.063293	0.1721
0.42596	0.088402	0.05626	-0.01739	0.70782
0.13073	0.059181	0.20174	-0.02172	0.63971
0.08557	0.039625	0.39292	0.180812	8.52E-05
0.81629	-0.12873	0.00534	0.253696	2.71E-08
0.22507	-0.02529	0.58559	0.067048	0.14799
0.0979	0.068987	0.13659	0.068357	0.14022
0.3033	0.064826	0.16193	0.020616	0.65678
0.37066	0.022891	0.62172	0.02812	0.5444
0.25407	-0.00609	0.89556	-0.05833	0.20831
0.03118	0.096379	0.03734	0.177907	0.00011
0.36407	-0.01683	0.71677	0.154405	0.00081
0.01031	0.119735	0.0096	0.085559	0.06469

0.53299	-0.02707	0.55957	0.055682	0.22975
0.25065	-0.02351	0.6123	0.039764	0.39125
0.54408	-0.05422	0.24223	0.130616	0.0047
0.62925	0.017645	0.70371	-0.00126	0.97841
0.21493	0.02425	0.60116	-0.0997	0.03122
0.48899	0.025156	0.58764	0.119386	0.00981
0.09361	0.004407	0.92433	0.098304	0.03368
0.61294	-0.02403	0.60443	0.153127	0.0009
0.21594	-0.00446	0.92337	0.013348	0.77357
0.888	-0.0001	0.9982	0.086424	0.06202
0.54365	0.001416	0.97566	0.114368	0.0134
0.16609	0.063813	0.1686	0.095438	0.03925
0.20795	0.077167	0.09579	0.1658	0.00032
0.72968	0.019122	0.68022	0.033706	0.46745
0.64089	0.040177	0.38635	0.055411	0.23203
0.96679	-0.03246	0.48404	0.012414	0.78904
0.09038	0.0116	0.80258	0.251397	3.65E-08
0.94184	0.003213	0.94479	0.155232	0.00076
0.85045	0.028066	0.54518	0.14915	0.00123
0.35127	0.035799	0.44023	0.170103	0.00022
0.00059	0.033661	0.46804	0.247589	5.94E-08
3.62E-08	-0.00994	0.8303	0.351845	4.69E-15
0.00118	0.097011	0.0361	-0.10477	0.02355
2.05E-09	0.078627	0.08966	0.328963	3.01E-13
0.00892	-0.01506	0.74553	0.050181	0.27916
4.54E-07	0.072995	0.11519	0.333399	1.38E-13
0.81395	-0.03678	0.42774	-0.01222	0.79229
0.23213	-0.18015	9.05E-05	0.328151	3.47E-13
0.00862	0.003029	0.94795	0.315344	3.06E-12
0.74814	-0.05712	0.21788	-0.01079	0.81611
9.37E-08	0.034992	0.45061	0.060924	0.18876
0.00092	0.098712	0.03295	-0.18942	3.79E-05
0.20191	0.138297	0.00274	-0.19596	2.00E-05
0.00537	0.000199	0.99657	0.073586	0.11227
0.69644	-0.0307	0.50805	0.002218	0.96187
0.38153	-0.11133	0.01609	0.002736	0.95298
0.00255	-0.06926	0.13505	0.246565	6.75E-08
2.03E-13	0.131662	0.00437	0.098174	0.03392
0.97088	0.003421	0.94123	-0.08372	0.07069
0.00047	-0.00088	0.98489	0.10578	0.02224
0.00417	-0.02227	0.63124	-0.07824	0.09127
0.00699	-0.00292	0.94976	0.043454	0.34877
0.02353	0.066146	0.15353	0.023029	0.61962
0.05004	-0.09835	0.0336	0.207555	6.11E-06
0.16078	0.069403	0.13424	0.050965	0.27171

0.27158	-0.01233	0.7904	-0.12834	0.00548
8.98E-17	0.022373	0.62963	0.252923	3.00E-08
4.01E-13	0.07919	0.08738	0.335011	1.04E-13
2.18E-10	0.158029	0.00061	0.169395	0.00024
0.91332	-0.19693	1.82E-05	0.125335	0.00669
0.72297	0.107716	0.0199	-0.037	0.42504
0.06805	0.128211	0.00553	0.030064	0.51692
0.00092	0.053105	0.25207	0.191186	3.20E-05
1.98E-06	-0.00232	0.96019	0.185991	5.26E-05
0.00017	-0.08024	0.08326	0.065634	0.15675
0.00026	-0.05946	0.19963	0.062964	0.17435
0.79667	-0.04088	0.37804	0.061536	0.18434
0.00084	-0.08391	0.07003	0.143477	0.00188
0.0063	-0.13858	0.00269	-0.03654	0.43077
0.59185	-0.02788	0.54786	-0.07931	0.08688
2.03E-07	-0.06008	0.19497	0.106801	0.02098
0.98209	-0.00221	0.96197	-0.13514	0.00343
1.93E-14	0.060086	0.19492	0.238791	1.77E-07
3.35E-10	0.236679	2.28E-07	0.005796	0.90058
0.00057	0.041064	0.37594	-0.18748	4.57E-05
1.16E-12	0.007235	0.87609	0.433504	8.09E-23
0.00038	-0.08902	0.05457	0.015232	0.74269
0.25888	0.019614	0.67246	-0.1223	0.00815
0.00023	0.033808	0.4661	0.018046	0.6973
0.02762	0.013989	0.76303	0.086747	0.06105
0.02947	-0.11476	0.01308	0.070128	0.13021
0.99194	0.026004	0.57511	0.06509	0.16022
0.02406	-0.00491	0.91565	0.067146	0.1474
0.18599	0.06217	0.17986	-0.07113	0.12478
3.97E-05	0.065972	0.15462	0.016375	0.72414
0.14064	-0.01705	0.71324	-0.06397	0.16758
0.0001	0.054141	0.24292	0.254703	2.38E-08
1.00E-08	-0.09197	0.047	0.217646	2.06E-06
0.13313	0.048651	0.29411	-0.17307	0.00017
0.23442	-0.01797	0.69849	-0.29956	3.88E-11
0.00088	-0.06056	0.19144	-0.20274	1.01E-05
0.04649	-0.05624	0.2251	0.160409	0.0005
0.02258	0.02277	0.62356	0.138415	0.00272
0.00172	0.04168	0.36882	0.094905	0.04036
1.45E-06	0.00036	0.99381	0.271905	2.33E-09
1.45E-10	0.046829	0.31257	0.188648	4.08E-05
0.04173	0.049209	0.2886	0.016496	0.72217
0.30741	0.015164	0.74379	-0.15455	0.00081
0.01374	-0.09701	0.0361	0.15525	0.00076
0.96566	-0.05776	0.21279	-0.29432	8.72E-11

1.14E-06	0.165756	0.00032	0.006452	0.8894
0.24573	0.019337	0.67682	0.118567	0.01033
6.13E-05	0.061602	0.18387	0.071748	0.12155
0.00167	-0.02399	0.60508	0.162199	0.00043
0.00044	0.08326	0.07225	-0.09883	0.03275
1.97E-07	0.079951	0.08437	0.21406	3.05E-06
0.26395	-0.14293	0.00196	-0.02981	0.52043
0.00068	-0.05165	0.26536	0.054925	0.23615
1.98E-07	0.008664	0.85187	0.347617	1.04E-14
0.00083	-0.01421	0.75944	0.177587	0.00011
0.03755	-0.04229	0.36189	0.001853	0.96814
2.60E-06	0.161785	0.00045	0.148546	0.00128
2.21E-12	-0.0592	0.20159	0.352283	4.32E-15
0.05444	0.018661	0.68752	-0.16421	0.00037
1.94E-08	0.085527	0.06479	-0.00442	0.92418
0.14748	-0.06568	0.15646	0.140873	0.00228
0.02869	-0.01319	0.77627	-0.30277	2.34E-11
0.81494	-0.05523	0.23357	0.221699	1.31E-06
7.62E-07	0.012905	0.7809	0.077457	0.09455
0.09763	-0.02115	0.6484	0.018994	0.68225
0.00014	-0.05236	0.25879	0.212956	3.43E-06
5.37E-06	0.178852	0.0001	-0.11788	0.01079
0.00017	-0.00537	0.90786	-0.06352	0.17056
0.12001	-0.03374	0.46703	0.221314	1.37E-06
4.53E-08	-0.04217	0.36318	0.126111	0.00636
2.02E-08	0.075682	0.10237	0.173942	0.00016
0.00835	-0.04775	0.30312	0.108948	0.01852
5.07E-13	0.247727	5.83E-08	0.171365	0.0002
4.13E-10	-0.03237	0.48528	0.285046	3.52E-10
0.13032	-0.0608	0.18965	0.191625	3.06E-05
1.99E-10	0.151591	0.00102	0.114415	0.01336
1.25E-05	0.139274	0.00256	0.290831	1.48E-10
1.32E-05	-0.05331	0.25027	0.086959	0.06042
0.35628	0.043821	0.34471	-0.06043	0.19239
0.6926	-0.02965	0.5227	0.107181	0.02052
0.91759	0.051363	0.26798	-0.011	0.81254
5.63E-10	0.013066	0.77824	0.437244	3.15E-23
0.00557	0.114133	0.01359	0.206589	6.76E-06
3.28E-08	0.057742	0.21294	-0.02259	0.62627
0.78945	-0.08698	0.06036	0.024503	0.59738
9.53E-06	-0.00493	0.91537	0.012581	0.78627
5.14E-10	0.14485	0.0017	0.206514	6.81E-06
8.40E-05	0.121217	0.00874	0.16408	0.00037
0.55474	-0.00111	0.98094	0.023495	0.61255
0.00016	-0.04144	0.37163	-0.0953	0.03952

0.19103	-0.08017	0.0835	-0.0826	0.07455
0.00621	-0.03337	0.47184	-0.09153	0.04805
0.00206	0.010527	0.82051	-0.06439	0.16475
0.00071	-0.06427	0.16557	-0.06131	0.18597
4.62E-05	-0.07907	0.08784	-0.08134	0.07909
0.00222	-0.07676	0.09757	-0.02795	0.54681
0.05202	-0.05609	0.22634	0.021753	0.63915
0.00123	-0.06122	0.18663	-0.01213	0.79379
0.00178	-0.05615	0.22585	-0.09639	0.03732
0.00405	-0.05329	0.25045	-0.11609	0.01205
0.01838	-0.02298	0.62032	-0.04324	0.35118
0.02086	-0.00539	0.90756	-0.01988	0.66831
0.00099	-0.01981	0.66942	0.387892	3.23E-18
0.00016	0.055405	0.23208	0.0463	0.31809
3.62E-07	0.156554	0.00069	-0.02452	0.59706
5.34E-05	-0.11794	0.01075	0.216575	2.31E-06
0.00144	0.020457	0.65925	0.19439	2.34E-05
0.01481	0.020755	0.65461	-0.21563	2.57E-06
0.00373	0.047998	0.30064	0.147991	0.00134
0.02654	-0.15336	0.00088	0.02096	0.65142
0.16233	-0.06959	0.1332	-0.11388	0.0138
0.77549	0.069266	0.13501	-0.07745	0.09456
2.04E-06	0.009771	0.83321	-0.01138	0.80629
0.56929	-0.04666	0.31433	0.097923	0.03438
0.00418	0.095274	0.03959	-0.05348	0.24877
5.91E-10	0.066276	0.15273	0.354875	2.63E-15
0.31161	-0.16252	0.00042	0.169029	0.00024
0.00082	0.095155	0.03983	0.018346	0.69253
4.11E-11	0.076892	0.09698	0.014527	0.7542
0.87128	-0.10768	0.01993	0.108484	0.01903
0.52777	0.038667	0.40447	0.137563	0.00289
0.0515	0.013584	0.7697	0.081318	0.07918
0.24042	-0.1047	0.02365	-0.15244	0.00095
2.31E-05	-0.00786	0.86542	-0.08543	0.06509
0.00114	0.032084	0.48914	-0.12506	0.00681
0.24813	0.064143	0.16641	0.104522	0.02389
0.95977	-0.0148	0.74966	-0.12035	0.00923
0.0023	0.062281	0.17908	-0.03754	0.41833
0.02667	0.091694	0.04766	0.131331	0.00447
4.19E-09	-0.11953	0.00973	0.243827	9.51E-08
0.37255	-0.17703	0.00012	0.194483	2.32E-05
8.21E-10	-0.01456	0.75369	0.171461	0.0002
0.10484	-0.1474	0.0014	0.148238	0.00132
0.03304	-0.06174	0.1829	0.238831	1.76E-07
0.96556	0.051374	0.26788	-0.24578	7.46E-08

0.01363	-0.04107	0.37582	-0.10739	0.02027
0.75522	0.01843	0.69119	-0.07333	0.11352
3.43E-09	-0.02053	0.65817	0.138326	0.00274
0.00257	0.013849	0.76533	0.177106	0.00012
0.06084	0.020923	0.652	-0.28608	3.02E-10
0.55154	0.02127	0.64661	0.011204	0.80918
0.06868	-0.02253	0.62728	-0.09622	0.03766
0.00615	-0.08181	0.07738	0.078261	0.09116
0.9248	-0.15066	0.00109	0.081214	0.07956
0.00046	0.031969	0.49072	0.217973	1.98E-06
2.21E-05	6.34E-05	0.99891	0.274071	1.72E-09
1.64E-06	-0.01143	0.80537	0.191791	3.02E-05
0.00032	0.040617	0.38117	0.046037	0.32085
0.22027	-0.13147	0.00443	-0.08141	0.07884
0.34617	-0.04507	0.33112	0.011691	0.80107
0.19764	0.095088	0.03997	-0.07176	0.12146
0.16058	-0.12126	0.00871	0.043995	0.34279
0.25703	-0.01869	0.68714	-0.2144	2.93E-06
0.40632	0.037319	0.42105	-0.04223	0.36248
0.64993	0.070219	0.12971	-0.09827	0.03375
3.08E-07	0.125103	0.00679	-0.07438	0.10843
0.0316	-0.05624	0.22514	0.178954	0.0001
4.36E-06	-0.07239	0.11826	0.346169	1.36E-14
0.00015	-0.03425	0.46032	0.105782	0.02224
0.98313	-0.12882	0.0053	0.058365	0.20804
0.08817	-0.07535	0.10388	-0.22062	1.48E-06
0.0002	0.080558	0.08203	-0.01187	0.79809
0.02099	-0.04774	0.30327	0.180314	8.92E-05
0.01781	0.014663	0.75198	0.032422	0.48458
0.12693	0.076978	0.09661	-0.11341	0.0142
0.0003	0.055784	0.22889	0.139874	0.00245
0.00015	-0.04148	0.3711	0.260146	1.16E-08
0.71804	-0.00596	0.89771	0.05372	0.24661
3.55E-05	0.081639	0.07799	0.062268	0.17917
0.00373	0.101426	0.02841	0.217338	2.13E-06
6.80E-05	-0.05585	0.22838	0.078557	0.08994
2.62E-10	0.074643	0.10719	0.474386	1.40E-27
0.05682	0.02513	0.58803	0.198	1.63E-05
0.01817	-0.0441	0.34165	-0.01794	0.69906
0.02313	-0.02743	0.55438	-0.00723	0.87621
0.03486	-0.10508	0.02315	0.107782	0.01982
4.49E-12	-0.0202	0.6633	0.377819	2.71E-17
8.61E-05	0.094828	0.04052	0.17542	0.00014
0.01044	0.037574	0.41789	0.073873	0.11087
0.68959	0.046093	0.32025	-0.26777	4.14E-09

0.18059	-0.00909	0.84468	-0.10995	0.01746
0.10052	0.024712	0.59426	-0.03965	0.39267
0.00531	0.077623	0.09384	0.226829	7.29E-07
0.07295	0.002646	0.95453	0.148629	0.00128
9.14E-06	-0.01198	0.7962	0.099612	0.03138
0.0096	0.114544	0.01325	0.110167	0.01724
4.21E-17	0.227652	6.63E-07	0.150074	0.00114
0.0002	-0.04752	0.30545	0.042232	0.3625
1.03E-09	0.164884	0.00035	0.145992	0.00156
0.11658	-0.15395	0.00084	0.104629	0.02375
5.74E-08	0.098016	0.03421	0.246761	6.59E-08
0.21758	0.005182	0.91107	0.163284	0.0004
0.01049	0.113496	0.01413	-0.21158	3.98E-06
0.20172	-0.09158	0.04793	0.184465	6.07E-05
0.21788	-0.08026	0.08317	-0.16041	0.0005
0.40957	-0.00772	0.86783	-0.10371	0.02501
0.13851	-0.03449	0.45714	0.067854	0.14317
0.00736	0.050491	0.2762	0.034878	0.45209
1.15E-05	0.032636	0.4817	0.174847	0.00015
0.01223	0.075515	0.10313	0.172249	0.00018
9.93E-29	0.31093	6.32E-12	0.210565	4.44E-06
6.20E-51	0.54951	3.37E-38	0.302422	2.48E-11
9.44E-49	0.605814	4.06E-48	0.300991	3.10E-11
#####	0.573634	3.25E-42	0.27988	7.48E-10
#####	0.477088	6.43E-28	0.26116	1.01E-08
#####	0.536784	3.30E-36	0.100166	0.03045
1.00E-54	0.4148	7.60E-21	0.013483	0.77136
#####	0.599318	7.15E-47	0.171188	0.0002
4.41E-78	0.212123	3.76E-06	0.347637	1.03E-14
1.89E-85	0.614785	6.92E-50	0.187752	4.45E-05
6.59E-31	0.339064	5.00E-14	0.234337	3.02E-07
3.42E-69	0.464886	2.04E-26	0.351738	4.79E-15
4.25E-92	0.38801	3.15E-18	0.447986	1.97E-24
#####	0.576684	9.56E-43	0.199038	1.47E-05
3.85E-47	0.584652	3.67E-44	0.077596	0.09396
5.21E-58	0.559582	7.78E-40	0.160973	0.00048
3.06E-70	0.706589	7.52E-72	0.121345	0.00867
#####	0.609863	6.57E-49	0.311459	5.79E-12
#####	0.582804	7.88E-44	0.330384	2.35E-13
2.54E-89	0.610223	5.58E-49	0.237886	1.97E-07
#####	0.621534	2.97E-51	0.101882	0.0277
#####	0.489893	1.46E-29	0.387028	3.89E-18
#####	0.56775	3.33E-41	0.266767	4.74E-09
#####	0.695038	1.25E-68	0.253285	2.86E-08
1.17E-82	0.441629	1.03E-23	0.203633	9.19E-06



8.67E-27	0.231569	4.20E-07	0.210347	4.54E-06
1.98E-50	0.594188	6.58E-46	0.162525	0.00042
2.90E-65	0.500562	5.52E-31	0.338069	5.99E-14
3.50E-61	0.606358	3.18E-48	0.142433	0.00203
#####	0.535581	5.03E-36	0.327393	3.96E-13
2.96E-55	0.52915	4.70E-35	-0.01902	0.68177
3.52E-34	0.448629	1.66E-24	0.38589	4.96E-18
#####	0.67054	2.78E-62	0.301759	2.75E-11
1.44E-60	0.33382	1.28E-13	0.592486	1.36E-45
8.61E-79	0.601208	3.13E-47	0.06391	0.16795
#####	0.637562	1.22E-54	0.274391	1.64E-09
#####	0.718999	1.72E-75	0.100974	0.02912
#####	0.628968	8.43E-53	0.164571	0.00036
#####	0.631761	2.16E-53	0.209565	4.94E-06
6.83E-50	0.51889	1.50E-33	0.279617	7.77E-10
9.22E-89	0.704782	2.46E-71	0.203583	9.24E-06
#####	0.636911	1.68E-54	0.20099	1.21E-05
#####	0.664579	7.89E-61	0.106168	0.02175
#####	0.465853	1.56E-26	0.269812	3.12E-09
5.21E-73	0.542738	3.96E-37	0.270219	2.95E-09
#####	0.547705	6.54E-38	0.330436	2.33E-13
2.34E-81	0.727784	3.46E-78	0.228507	6.01E-07
8.53E-39	0.507042	7.12E-32	0.247328	6.13E-08
#####	0.492535	6.56E-30	0.259987	1.19E-08
#####	0.62802	1.33E-52	0.122301	0.00815
3.09E-55	0.436683	3.63E-23	0.376511	3.55E-17
9.04E-88	0.552135	1.28E-38	0.115728	0.01233
4.49E-95	0.544693	1.96E-37	0.287378	2.49E-10
3.07E-52	0.562828	2.25E-40	0.208544	5.50E-06
#####	0.539626	1.21E-36	0.260029	1.18E-08
8.94E-60	0.411358	1.70E-20	0.350507	6.04E-15
2.43E-31	0.327409	3.95E-13	0.378171	2.52E-17
9.98E-32	0.4265	4.58E-22	0.20498	8.00E-06
3.45E-66	0.630669	3.68E-53	-0.00654	0.88783
6.75E-62	0.676126	1.12E-63	-0.0611	0.18749
5.23E-32	0.273632	1.83E-09	0.110996	0.01641
1.33E-52	0.607382	2.01E-48	0.09005	0.05181
#####	0.821414	#####	0.248848	5.06E-08
5.52E-58	0.387784	3.31E-18	0.141688	0.00215
#####	0.574591	2.22E-42	0.232301	3.85E-07
1.66E-62	0.488587	2.17E-29	0.184032	6.32E-05
0.0024	-0.22023	1.54E-06	0.058571	0.20644
0.4111	0.244374	8.89E-08	-0.2513	3.70E-08
0.09596	-0.12259	0.008	-0.29333	1.02E-10
6.17E-06	-0.15	0.00115	0.004019	0.93098

0.00206	-0.13087	0.00461	0.059432	0.19984
7.76E-07	0.064485	0.16415	-0.11263	0.01489
0.43764	-0.1333	0.0039	-0.40087	1.87E-19
0.00117	-0.08452	0.06802	-0.16803	0.00027
1.68E-07	-0.04332	0.35024	0.058892	0.20395
0.40377	-0.10146	0.02836	-0.25779	1.59E-08
0.3825	-0.13187	0.00431	-0.32188	1.02E-12
0.76908	-0.14269	0.00199	-0.13788	0.00283
0.01129	-0.1121	0.01537	-0.26798	4.01E-09
1.66E-10	-0.07982	0.08488	0.014936	0.74751
1.91E-12	0.001019	0.98248	0.105969	0.022
0.01284	-0.13211	0.00424	-0.1111	0.01631
0.00041	-0.04271	0.3571	-0.0565	0.22297
0.02958	-0.13054	0.00472	-0.41937	2.57E-21
0.00033	-0.14099	0.00226	0.251574	3.57E-08
0.29242	-0.09384	0.04266	-0.23539	2.67E-07
0.08428	-0.15534	0.00076	0.178633	0.0001
0.00847	0.022028	0.63492	-0.11176	0.01568
0.00059	-0.17962	9.50E-05	0.125493	0.00662
2.79E-09	-0.10133	0.02857	0.273426	1.88E-09
0.00167	-0.10395	0.02468	-0.08561	0.06453
0.00477	-0.13412	0.00369	-0.06406	0.16694
0.00143	-0.14496	0.00168	-0.06279	0.17555
0.02497	-0.07309	0.11472	-0.25781	1.58E-08
2.76E-08	-0.11068	0.01672	0.098974	0.03249
0.00017	-0.04282	0.35589	-0.00323	0.94451
1.58E-11	-0.12729	0.00588	0.284597	3.76E-10
9.35E-12	0.037114	0.42361	0.307747	1.06E-11
0.39846	-0.11891	0.01011	-0.02908	0.53067
0.00017	0.004866	0.91648	0.232872	3.60E-07
2.92E-08	-0.02722	0.55731	0.001112	0.98088
2.13E-07	-0.08	0.08417	0.247715	5.84E-08
0.20728	-0.21489	2.78E-06	-0.15301	0.00091
2.63E-05	-0.09084	0.04978	-0.11383	0.01384
0.00093	-0.10028	0.03025	0.159809	0.00053
3.78E-08	-0.01483	0.74929	0.038984	0.40062
0.35654	0.134902	0.00349	0.020935	0.65181
0.07038	-0.17189	0.00019	-0.03004	0.51731
0.00127	0.056014	0.22698	-0.19756	1.71E-05
0.01564	-0.13535	0.00338	-0.18129	8.15E-05
0.35246	-0.1468	0.00147	-0.05303	0.25272
0.26339	-0.05404	0.24383	-0.2095	4.97E-06
0.0112	-0.08994	0.0521	-0.18968	3.70E-05
0.06199	-0.18828	4.23E-05	-0.10993	0.01748
0.00041	-0.15963	0.00053	-0.01419	0.75965

0.0007	-0.13383	0.00376	-0.07638	0.09924
2.54E-05	0.001325	0.97722	-0.14898	0.00124
0.00573	-0.09145	0.04826	-0.2064	6.90E-06
0.00989	-0.04521	0.32966	-0.22667	7.43E-07
6.38E-08	-0.0044	0.92445	-0.04766	0.30403
0.17057	-0.28701	2.63E-10	0.034523	0.45672
6.26E-06	-0.17914	9.93E-05	0.083706	0.07073
6.04E-05	-0.21737	2.12E-06	0.066963	0.14851
0.03254	-0.12776	0.0057	-0.13967	0.00249
0.01636	-0.17852	0.0001	0.044395	0.33842
0.00049	-0.06956	0.13337	0.11646	0.01178
0.01985	-0.17466	0.00015	-0.02475	0.59368
0.58784	-0.11317	0.01441	-0.08811	0.05708
0.0047	-0.14663	0.00149	0.1441	0.0018
5.88E-05	-0.16386	0.00038	0.120523	0.00913
0.30596	-0.11545	0.01254	-0.19144	3.12E-05
9.60E-09	-0.09626	0.03758	0.091827	0.04734
0.76845	-0.2055	7.57E-06	-0.01126	0.8083
2.40E-10	-0.08297	0.07324	0.13254	0.00412
1.56E-06	0.135683	0.0033	-0.14046	0.00235
2.65E-09	-0.01624	0.72633	0.001807	0.96894
0.16819	-0.1371	0.00299	-0.17712	0.00012
0.0628	-0.15336	0.00088	-0.15396	0.00084
2.38E-07	-0.01679	0.71736	0.116943	0.01144
3.53E-05	-0.03358	0.46908	-0.09707	0.03599
0.60927	-0.07763	0.09383	-0.20812	5.75E-06
0.24017	-0.04563	0.32512	-0.06491	0.16136
0.02826	-0.2131	3.38E-06	-0.07669	0.09786
0.00026	-0.19986	1.35E-05	0.014561	0.75364
1.89E-07	-0.09017	0.05148	0.087053	0.06014
8.22E-12	0.020673	0.65589	0.029761	0.52116
0.10552	-0.0292	0.52906	-0.42008	2.17E-21
0.72225	-0.18356	6.61E-05	-0.10026	0.03029
9.81E-10	-0.09329	0.04391	0.090519	0.05059
0.04691	-0.19874	1.51E-05	-0.02163	0.64104
1.44E-06	0.023943	0.60578	-0.17238	0.00018
0.13613	-0.04675	0.31335	-0.11684	0.01151
0.57284	-0.12144	0.00861	0.000961	0.98348
0.01761	0.397904	3.62E-19	-0.16876	0.00025
0.00527	-0.21336	3.29E-06	-0.04588	0.32255
0.41033	-0.10858	0.01892	-0.08023	0.0833
7.92E-07	-0.08352	0.07135	0.024692	0.59455
4.56E-07	-0.10957	0.01785	0.372295	8.44E-17
0.01224	-0.18133	8.12E-05	0.099732	0.03118
0.00054	-0.09298	0.04462	0.081769	0.07752

0.25994	-0.16109	0.00047	0.29735	5.47E-11
6.53E-07	0.081296	0.07926	-0.06966	0.13279
4.00E-08	-0.00562	0.90353	-0.19555	2.08E-05
0.24147	-0.05556	0.23075	-0.1262	0.00632
1.80E-06	-0.19809	1.62E-05	0.290641	1.53E-10
0.0219	-0.10589	0.0221	0.050339	0.27766
0.04555	-0.14058	0.00233	-0.06623	0.15303
0.02741	-0.104	0.02461	-0.13966	0.00249
0.00985	-0.0368	0.42756	-0.02955	0.52414
0.05457	-0.1022	0.02721	0.029118	0.5302
3.49E-06	-0.18984	3.64E-05	0.117308	0.01118
0.01006	-0.10912	0.01834	-0.26661	4.85E-09
0.03445	-0.21221	3.72E-06	0.150585	0.0011
0.01528	-0.23646	2.34E-07	0.10416	0.02438
1.41E-05	-0.08928	0.05386	-0.02961	0.52322
0.00011	-0.08604	0.06319	0.038777	0.40313
1.91E-05	-0.02151	0.64287	-0.07696	0.09668
0.00012	-0.10583	0.02218	0.15509	0.00077
0.08005	-0.14106	0.00225	-0.07755	0.09416
0.52383	-0.234	3.15E-07	-0.11514	0.01278
0.03571	-0.14072	0.0023	0.164186	0.00037
0.03113	-0.17785	0.00011	-0.09059	0.05041
2.64E-07	-0.09208	0.04674	0.148553	0.00128
2.26E-10	-0.0032	0.94501	0.039284	0.39701
9.90E-08	0.142906	0.00196	-0.20231	1.05E-05
0.00413	-0.09197	0.04699	-0.01789	0.69978
0.00295	0.044158	0.34101	0.114756	0.01308
9.77E-07	-0.19683	1.83E-05	0.214917	2.77E-06
5.59E-07	-0.17197	0.00019	0.018592	0.68861
0.00178	-0.06326	0.17236	0.256179	1.96E-08
5.30E-09	-0.08097	0.08048	0.074761	0.10663
0.31898	-0.05273	0.25543	-0.16763	0.00027
4.90E-05	0.028455	0.53961	-0.11595	0.01216
8.88E-09	-0.12877	0.00532	0.107546	0.02009
1.04E-07	-0.17008	0.00022	0.155478	0.00075
0.04034	-0.08113	0.07988	-0.23437	3.01E-07
1.54E-14	0.143047	0.00194	0.145641	0.0016
0.08459	-0.13391	0.00374	-0.17484	0.00015
0.69345	-0.15775	0.00062	-0.03618	0.43542
2.57E-08	-0.00074	0.98735	0.105274	0.02289
2.70E-05	-0.09298	0.04462	0.065748	0.15603
0.0019	-0.16871	0.00025	0.070656	0.12733
0.00643	-0.02551	0.58235	-0.14338	0.00189
1.97E-09	0.072214	0.11914	-0.01846	0.69072
1.09E-09	-0.00726	0.87567	-0.10394	0.02469

0.00054	-0.03557	0.44322	-0.07581	0.10179
0.02676	-0.19738	1.74E-05	-0.0027	0.95355
7.92E-05	-0.01208	0.79455	-0.22951	5.34E-07
7.33E-28	0.26841	3.79E-09	-0.01238	0.78956
9.35E-07	0.0742	0.10929	-0.13641	0.00314
0.70044	-0.17988	9.28E-05	-0.31736	2.18E-12
1.13E-08	-0.13666	0.00309	0.226352	7.71E-07
4.64E-05	-0.11593	0.01218	0.158765	0.00057
0.00302	-0.2288	5.81E-07	0.233735	3.25E-07
0.31072	-0.04751	0.30559	-0.20286	9.96E-06
0.16715	-0.09996	0.03079	0.215589	2.58E-06
0.14245	-0.17096	0.00021	-0.105	0.02325
0.00265	-0.20348	9.34E-06	0.181809	7.77E-05
1.27E-06	-0.05595	0.22749	-0.06128	0.18618
1.42E-06	-0.07972	0.08526	-0.087	0.06029
0.38888	-0.13271	0.00407	-0.2201	1.57E-06
0.94234	-0.22072	1.46E-06	-0.09493	0.04031
2.23E-05	-0.18146	8.02E-05	0.252294	3.25E-08
3.39E-14	-0.08207	0.07643	0.183824	6.44E-05
9.37E-05	-0.09292	0.04475	0.14164	0.00215
2.83E-09	-0.04328	0.3507	0.119271	0.00989
4.62E-07	-0.08342	0.0717	0.135691	0.0033
1.38E-07	-0.05501	0.23544	-0.04931	0.28757
9.90E-13	0.10039	0.03007	-0.03841	0.4076
0.00216	-0.22321	1.10E-06	-0.07998	0.08425
5.81E-06	-0.12634	0.00626	0.061747	0.18284
0.38644	0.154044	0.00084	-0.02378	0.60822
1.75E-09	-0.14822	0.00132	0.160302	0.00051
1.01E-05	-0.1261	0.00636	0.274907	1.53E-09
0.43302	-0.06555	0.15731	-0.205	7.98E-06
0.06249	-0.18816	4.28E-05	0.104413	0.02404
0.10229	0.177947	0.00011	0.073599	0.1122
4.80E-06	-0.02622	0.57199	0.172716	0.00018
0.00347	-0.1174	0.01111	0.082228	0.07586
0.23412	-0.1145	0.01329	0.001926	0.96689
5.20E-14	-0.05541	0.23207	0.208425	5.57E-06
3.32E-06	-0.18222	7.48E-05	0.318597	1.78E-12
1.81E-11	-0.14708	0.00144	0.25718	1.72E-08
3.36E-05	-0.17923	9.84E-05	0.157904	0.00062
0.12923	-0.08615	0.06286	-0.17382	0.00016
0.00057	-0.21624	2.40E-06	0.081868	0.07716
0.01049	-0.20257	1.03E-05	0.201872	1.10E-05
1.20E-05	-0.04574	0.32394	0.051227	0.26925
5.45E-08	-0.15356	0.00087	0.219278	1.72E-06
0.5303	-0.29616	6.57E-11	-0.07651	0.09864

0.00259	-0.20038	1.28E-05	0.07518	0.10467
0.59719	-0.09947	0.03163	-0.04403	0.34239
0.02968	-0.03498	0.45074	-0.05472	0.23792
0.00268	-0.20342	9.40E-06	0.077035	0.09636
3.68E-05	-0.09481	0.04055	-0.06262	0.17673
0.4692	-0.16601	0.00031	-0.14428	0.00177
1.49E-17	0.077734	0.09337	0.079486	0.0862
0.68159	0.15905	0.00056	0.278165	9.58E-10
0.0139	-0.14022	0.00239	-0.10508	0.02315
0.00868	-0.10451	0.02391	-0.19831	1.58E-05
4.06E-08	0.03547	0.44445	-0.01511	0.74467
8.15E-10	0.029445	0.52559	0.020377	0.66051
0.69537	-0.09679	0.03653	0.077426	0.09468
0.0013	-0.1058	0.02221	0.188234	4.25E-05
0.06111	-0.12615	0.00634	-0.06759	0.14471
3.51E-06	-0.06802	0.14221	0.083581	0.07115
0.00206	-0.1209	0.00892	0.308738	9.02E-12
0.55086	-0.13891	0.00263	-0.22757	6.70E-07
0.44937	-0.16573	0.00032	-0.1352	0.00342
0.2646	-0.08869	0.05546	-0.25053	4.08E-08
0.00463	-0.15029	0.00112	-0.04513	0.33051
0.00027	-0.03048	0.51117	-0.08509	0.06619
0.00281	-0.1707	0.00021	0.141082	0.00224
5.04E-15	-0.04822	0.29838	0.312823	4.63E-12
0.00854	-0.16761	0.00027	-0.03464	0.45515
7.93E-05	-0.13677	0.00306	0.1051	0.02312
5.64E-05	0.010072	0.82814	-0.18261	7.21E-05
4.84E-05	-0.06297	0.17429	-0.15674	0.00068
1.69E-07	-0.00972	0.83405	-0.06755	0.14498
0.8119	-0.15903	0.00056	-0.04027	0.3853
0.79	-0.15554	0.00074	-0.13761	0.00288
0.02354	-0.26101	1.03E-08	0.189733	3.68E-05
4.61E-06	0.010642	0.81858	-0.11912	0.00998
0.765	-0.07369	0.11175	-0.22578	8.23E-07
0.11995	-0.20107	1.20E-05	0.002552	0.95613
0.06737	-0.13459	0.00357	-0.25212	3.33E-08
0.00049	-0.10466	0.02371	0.042537	0.35905
0.01117	-0.1453	0.00164	-0.10196	0.02757
0.05428	-0.13616	0.0032	0.060297	0.19335
3.61E-06	0.005048	0.91337	0.147277	0.00141
2.11E-06	-0.13325	0.00392	0.21827	1.92E-06
0.01312	-0.2248	9.20E-07	0.148443	0.00129
1.62E-06	-0.19378	2.48E-05	0.334531	1.13E-13
0.11416	-0.17591	0.00013	-0.08389	0.07011
0.00256	0.241666	1.24E-07	-0.10429	0.02421

0.21104	-0.10104	0.02903	-0.05055	0.27566
0.2292	-0.15301	0.00091	-0.01935	0.67669
0.73451	-0.20862	5.46E-06	-0.10208	0.0274
0.00196	-0.11744	0.01109	0.051857	0.26341
0.01788	-0.12994	0.00492	-0.14631	0.00152
6.11E-09	-0.05802	0.21075	0.024527	0.59702
0.02607	-0.155	0.00078	0.015437	0.73934
0.01033	-0.21914	1.74E-06	0.015343	0.74087
3.58E-08	-0.16071	0.00049	0.155287	0.00076
0.00057	-0.07755	0.09414	0.046342	0.31765
0.45406	-0.10313	0.02584	-0.13037	0.00478
6.19E-10	-0.07731	0.09518	0.345814	1.45E-14
0.02041	-0.00578	0.90085	-0.32817	3.45E-13
1.08E-06	-0.01737	0.70807	-0.03075	0.50739
0.01656	-0.19945	1.41E-05	-0.08362	0.07101
1.04E-06	-0.06214	0.18007	-0.03112	0.50236
2.06E-05	-0.15758	0.00063	-0.01623	0.72653
0.11564	-0.23745	2.08E-07	0.02199	0.63551
0.00021	-0.12545	0.00664	0.099344	0.03184
0.02224	-0.2389	1.74E-07	0.059348	0.20047
2.31E-10	-0.15142	0.00103	0.189949	3.60E-05
0.01663	-0.06295	0.17448	0.014614	0.75277
0.00121	-0.17696	0.00012	-0.0521	0.26121
0.00128	-0.15424	0.00083	-0.07084	0.12633
1.81E-05	-0.17193	0.00019	0.094848	0.04048
0.31812	-0.20179	1.11E-05	0.11553	0.01248
5.01E-05	-0.05944	0.19981	0.158815	0.00057
1.54E-13	-0.08666	0.06131	0.281262	6.13E-10
3.02E-05	0.002518	0.95672	-0.08441	0.06839
0.02499	-0.13353	0.00384	-0.2332	3.46E-07
0.01614	-0.07802	0.09216	-0.14203	0.00209
0.02846	-0.11773	0.01089	-0.1644	0.00036
0.4002	-0.09026	0.05125	-0.24431	8.96E-08
0.02317	-0.17096	0.00021	0.020916	0.65211
0.00219	-0.14199	0.0021	-0.13308	0.00396
0.00042	-0.09957	0.03146	-0.0943	0.04165
0.00748	-0.09334	0.04378	0.009223	0.84243
5.06E-24	0.172965	0.00017	0.133724	0.00379
0.90566	-0.08361	0.07106	-0.27635	1.24E-09
1.64E-06	-0.13741	0.00292	0.073679	0.11181
6.39E-06	-0.04694	0.31142	0.191769	3.02E-05
2.65E-05	-0.20314	9.67E-06	0.199979	1.34E-05
2.46E-07	-0.04009	0.38734	0.209025	5.23E-06
1.22E-14	-0.06712	0.14757	0.285384	3.35E-10
0.12292	-0.18608	5.21E-05	-0.28121	6.18E-10

5.27E-08	-0.15351	0.00087	0.163981	0.00037
0.0318	6.04E-05	0.99896	0.25103	3.83E-08
0.54854	-0.21323	3.33E-06	-0.04633	0.3178
0.05478	-0.14815	0.00132	-0.05543	0.23188
0.29396	-0.246	7.25E-08	-0.16337	0.00039
0.01819	-0.21898	1.77E-06	0.136642	0.00309
0.72718	0.282803	4.89E-10	-0.11123	0.01619
0.95426	-0.10645	0.0214	-0.28624	2.95E-10
2.80E-06	0.044877	0.3332	0.006151	0.89453
0.00064	-0.13049	0.00473	-0.07787	0.09278
0.00914	-0.15412	0.00083	-0.01663	0.72008
3.68E-06	-0.00916	0.8435	0.000781	0.98657
0.63577	-0.13442	0.00361	-0.24332	1.01E-07
0.86463	-0.11958	0.0097	-0.22024	1.54E-06
0.00712	-0.18712	4.72E-05	-0.02158	0.6418
0.00253	-0.17456	0.00015	-0.03193	0.49121
0.09951	-0.09587	0.03836	-0.09067	0.05022
0.02033	-0.13421	0.00366	-0.14839	0.0013
0.92346	-0.2298	5.17E-07	-0.25261	3.12E-08
0.55059	-0.22786	6.47E-07	0.073174	0.1143
0.001	-0.12675	0.00609	-0.14845	0.00129
3.32E-06	-0.12388	0.00736	0.166922	0.00029
0.80413	-0.11147	0.01596	-0.01275	0.78342
0.02042	-0.21959	1.66E-06	-0.32934	2.82E-13
0.66812	-0.15386	0.00085	-0.14749	0.00139
0.1582	-0.18461	5.99E-05	0.001399	0.97594
1.91E-05	-0.1267	0.00611	-0.06858	0.13895
0.14209	-0.04002	0.38816	-0.26173	9.40E-09
0.17828	-0.18568	5.41E-05	-0.09297	0.04463
0.82653	-0.06772	0.14393	-0.22398	1.01E-06
1.17E-06	-0.07144	0.12315	0.009462	0.8384
0.19422	0.122237	0.00818	0.259219	1.31E-08
0.37647	-0.21571	2.54E-06	0.003312	0.9431
2.48E-08	0.037257	0.42183	-0.06384	0.16843
0.01531	-0.23285	3.61E-07	-0.07275	0.11641
0.27677	-0.09227	0.04627	-0.2353	2.69E-07
0.00409	-0.06812	0.14159	0.25701	1.76E-08
7.97E-05	-0.12213	0.00824	0.089677	0.05279
0.00997	-0.25301	2.97E-08	0.146464	0.0015
0.00509	-0.07022	0.12971	-0.09464	0.04092
0.11282	-0.18488	5.84E-05	-0.19222	2.89E-05
0.05427	-0.05771	0.21318	0.326247	4.83E-13
0.95174	-0.24854	5.26E-08	0.045244	0.32926
0.78821	-0.23283	3.62E-07	-0.0188	0.68532
0.00314	-0.19164	3.06E-05	0.09184	0.04731



0.45361	-0.13674	0.00307	-0.21504	2.74E-06
0.58328	-0.18473	5.92E-05	-0.11525	0.01269
0.00027	-0.15601	0.00072	0.004763	0.91824
0.31754	-0.17817	0.00011	0.194095	2.41E-05
0.17176	-0.22541	8.59E-07	-0.1015	0.0283
0.07197	-0.2524	3.21E-08	-0.0423	0.36176
7.47E-08	-0.16153	0.00046	0.281887	5.59E-10
0.01977	-0.02642	0.56908	0.046945	0.31138
9.30E-05	-0.02046	0.65929	0.146707	0.00148
0.00012	-0.17055	0.00021	0.160421	0.0005
0.65741	-0.21759	2.07E-06	-0.09975	0.03115
0.00619	-0.02996	0.5184	-0.29201	1.24E-10
0.23492	-0.17937	9.72E-05	0.029978	0.51812
7.67E-18	0.029338	0.5271	0.282405	5.19E-10
1.18E-07	0.042737	0.35679	-0.04803	0.30028
0.25419	-0.05595	0.22749	-0.29409	9.04E-11
0.90371	-0.21114	4.17E-06	-0.13675	0.00306
5.96E-06	-0.06915	0.13568	-0.015	0.74651
4.38E-08	-0.05827	0.20881	0.1499	0.00116
0.4857	-0.11734	0.01116	-0.20827	5.66E-06
0.01391	-0.1139	0.01379	0.09845	0.03342
1.36E-05	-0.01814	0.6958	-0.04845	0.29609
0.00035	0.008572	0.85343	-0.07225	0.11898
0.8487	-0.08519	0.06585	-0.21127	4.12E-06
0.00517	-0.17445	0.00015	0.097108	0.03592
0.25731	-0.15716	0.00065	0.032699	0.48085
0.00182	-0.00332	0.943	0.183412	6.70E-05
0.13846	-0.23022	4.92E-07	-0.13293	0.00401
0.00455	-0.21676	2.27E-06	-0.0995	0.03157
0.81641	-0.19923	1.44E-05	-0.15237	0.00096
1.68E-06	-0.10395	0.02468	-0.01332	0.77406
0.00387	-0.1662	0.00031	-0.11995	0.00947
0.0006	-0.18208	7.58E-05	0.101371	0.02849
0.23488	-0.23406	3.12E-07	0.186035	5.24E-05
0.18661	-0.12427	0.00717	-0.2769	1.15E-09
1.48E-15	-0.02	0.66644	0.164314	0.00036
0.77397	-0.23027	4.89E-07	-0.09847	0.03339
0.07645	-0.17997	9.20E-05	-0.35589	2.17E-15
6.42E-09	0.133599	0.00382	-0.07712	0.09599
5.23E-09	0.129673	0.00501	-0.18327	6.78E-05
2.12E-06	0.017948	0.69886	-0.08616	0.06282
0.02461	-0.05156	0.26611	-0.12181	0.00841
0.02156	-0.10341	0.02544	-0.1387	0.00267
0.07745	-0.18945	3.78E-05	0.134378	0.00362
0.19695	-0.07877	0.08906	-0.20924	5.11E-06

0.00201	-0.13655	0.00311	0.020589	0.6572
0.2717	-0.04699	0.31093	-0.10013	0.0305
0.00022	-0.09092	0.04959	0.064503	0.16403
0.07064	-0.14696	0.00145	-0.03442	0.45808
0.01326	-0.24448	8.77E-08	0.085198	0.06583
8.62E-05	-0.18438	6.12E-05	0.034895	0.45187
0.00267	-0.05336	0.24977	0.054174	0.24264
0.24198	-0.08107	0.08011	-0.42825	2.98E-22
0.00098	-0.18089	8.46E-05	-0.06805	0.14201
3.17E-05	-0.07134	0.12369	-0.06201	0.18099
0.00025	-0.13796	0.00281	0.23471	2.89E-07
2.94E-05	-0.09088	0.04968	-0.05668	0.22153
4.09E-07	-0.11304	0.01452	0.076732	0.09768
0.06062	-0.19732	1.75E-05	0.160948	0.00048
0.06908	-0.38299	9.19E-18	0.128109	0.00556
6.75E-06	-0.0562	0.22547	-0.06899	0.1366
6.11E-05	-0.14007	0.00242	0.191297	3.16E-05
8.28E-05	-0.15559	0.00074	-0.03031	0.51345
1.98E-05	-0.15585	0.00073	0.084492	0.06811
0.00291	-0.11898	0.01007	-0.10677	0.02101
0.04173	-0.08775	0.0581	-0.24833	5.40E-08
0.06302	-0.15382	0.00085	-0.18227	7.45E-05
0.01324	-0.30037	3.42E-11	-0.0138	0.76613
0.00464	-0.24518	8.04E-08	0.035493	0.44415
2.03E-09	-0.07842	0.09052	0.142233	0.00206
4.65E-05	-0.0774	0.09478	-0.06889	0.13712
3.92E-05	-0.13761	0.00288	0.046467	0.31634
0.0014	-0.16157	0.00046	0.023521	0.61216
5.16E-12	-0.0491	0.28965	0.235999	2.48E-07
0.154	-0.22374	1.04E-06	-0.15989	0.00052
3.04E-05	0.130553	0.00472	-0.12676	0.00609
0.31126	-0.0067	0.88519	-0.1052	0.02299
0.15925	-0.00237	0.95921	-0.21362	3.19E-06
4.98E-10	-0.11633	0.01188	0.107822	0.01977
0.35742	-0.18689	4.83E-05	-0.1434	0.00189
0.83788	-0.08721	0.05967	-0.13243	0.00415
9.09E-11	-0.16545	0.00033	0.219384	1.70E-06
0.00151	-0.25318	2.90E-08	0.068725	0.13809
1.99E-05	-0.18345	6.67E-05	0.144496	0.00174
0.47157	-0.20189	1.10E-05	0.230827	4.58E-07
0.32674	-0.0207	0.65545	-0.2703	2.91E-09
0.01476	-0.10504	0.0232	0.014355	0.75701
0.25214	0.106198	0.02172	-0.36287	5.57E-16
0.86409	0.272766	2.06E-09	0.060618	0.19099
9.31E-06	-0.13703	0.003	0.028134	0.5442

0.00265	0.040318	0.38468	-0.11584	0.01224
0.07482	-0.16234	0.00043	-0.06265	0.17648
0.00016	-0.07563	0.10262	0.004217	0.92759
0.32248	-0.10836	0.01916	-0.26264	8.31E-09
0.31743	0.150737	0.00109	0.016321	0.725
0.0431	0.073126	0.11453	-0.29911	4.16E-11
0.00446	-0.19436	2.34E-05	-0.01645	0.72288
0.0032	-0.16265	0.00042	0.063002	0.17409
0.81536	-0.15683	0.00067	-0.01412	0.76091
3.23E-06	-0.05926	0.20111	0.048185	0.29876
0.00972	-0.15757	0.00063	0.238585	1.81E-07
0.00235	-0.22983	5.15E-07	0.080301	0.08301
0.00027	-0.18809	4.31E-05	0.05752	0.21471
1.50E-07	-0.15186	0.00099	0.07211	0.11967
0.01352	-0.21236	3.66E-06	0.049619	0.28459
0.0002	-0.11237	0.01512	0.037953	0.4132
0.02175	-0.21894	1.78E-06	0.030021	0.51752
0.08128	-0.11986	0.00952	-0.20821	5.70E-06
0.14896	-0.23411	3.11E-07	0.12727	0.00588
0.02182	-0.09294	0.0447	-0.11863	0.01029
0.00328	-0.17671	0.00012	0.120878	0.00893
0.45291	-0.19754	1.71E-05	-0.14708	0.00144
0.00056	-0.09247	0.04581	-0.01812	0.69604
4.01E-06	-0.11577	0.0123	0.213508	3.23E-06
0.00013	-0.13449	0.00359	-0.01118	0.80966
0.87347	-0.08442	0.06836	-0.39804	3.52E-19
0.00169	0.200819	1.23E-05	-0.14886	0.00125
0.17846	-0.13831	0.00274	-0.15022	0.00113
0.02834	0.228798	5.81E-07	-0.03823	0.4098
0.0681	-0.20209	1.08E-05	0.082473	0.07499
0.00339	0.019247	0.67824	0.072375	0.11831
1.61E-05	-0.13354	0.00384	0.358103	1.41E-15
0.01841	-0.15943	0.00054	0.110084	0.01732
0.00042	-0.05793	0.21142	0.213047	3.40E-06
1.57E-06	0.03361	0.46871	-0.01068	0.81789
0.60635	-0.20386	8.98E-06	0.116041	0.01209
0.00197	-0.1276	0.00575	0.056904	0.21967
0.02166	-0.05565	0.22999	-0.01245	0.78852
0.00501	-0.11151	0.01591	-0.39094	1.67E-18
0.11129	-0.18485	5.85E-05	0.074801	0.10644
6.12E-05	-0.00853	0.85415	-0.19755	1.71E-05
0.00805	-0.12359	0.0075	0.138795	0.00265
0.00299	-0.11799	0.01071	-0.18677	4.89E-05
0.22048	-0.15213	0.00097	-0.13497	0.00347
0.02529	-0.29538	7.42E-11	-0.05192	0.26283

0.22309	-0.1816	7.92E-05	-0.23925	1.67E-07
0.00094	-0.16517	0.00034	-0.00609	0.89553
0.00949	-0.19921	1.45E-05	-0.04374	0.3456
0.00175	-0.04673	0.31357	-0.13667	0.00308
1.05E-09	-0.06084	0.18935	0.160901	0.00048
0.41322	-0.0978	0.03462	-0.21899	1.77E-06
2.06E-06	-0.11793	0.01075	0.256801	1.81E-08
2.83E-05	-0.15974	0.00053	0.219637	1.65E-06
0.00085	-0.17455	0.00015	0.111088	0.01632
0.97037	-0.23036	4.84E-07	0.237068	2.18E-07
0.00302	-0.06087	0.18918	0.069083	0.13604
0.00212	-0.17241	0.00018	0.124393	0.00711
6.28E-06	-0.06849	0.13943	0.010436	0.82205
0.85503	-0.25949	1.27E-08	-0.03619	0.43521
0.3973	-0.19594	2.01E-05	-0.04579	0.32344
0.11984	-0.16171	0.00045	-0.10188	0.02771
0.00044	-0.21913	1.74E-06	0.205895	7.27E-06
0.03089	-0.079	0.08812	-0.19041	3.45E-05
0.91871	-0.25141	3.65E-08	-0.17024	0.00022
0.93408	-0.23512	2.75E-07	-0.235	2.79E-07
0.00635	-0.23385	3.20E-07	0.195002	2.20E-05
0.82837	-0.28275	4.93E-10	0.013602	0.76939
0.09516	-0.22143	1.35E-06	-0.03892	0.40139
0.02522	-0.17897	0.0001	-0.13931	0.00255
9.07E-06	-0.09097	0.04944	-0.02014	0.66413
6.73E-06	-0.21208	3.77E-06	0.08878	0.05521
5.22E-06	0.013067	0.77823	0.067825	0.14334
1.79E-05	-0.2067	6.68E-06	0.135875	0.00326
1.10E-05	-0.14445	0.00175	0.063304	0.17203
0.04613	-0.13186	0.00431	-0.18663	4.95E-05
0.2313	-0.17532	0.00014	-0.21189	3.85E-06
0.7711	-0.20842	5.57E-06	-0.10854	0.01897
3.69E-05	-0.14683	0.00146	0.11587	0.01222
0.00042	0.005031	0.91366	0.077023	0.09641
0.84582	-0.09619	0.03771	-0.32864	3.19E-13
0.13435	-0.20505	7.94E-06	-0.10048	0.02993
0.00012	-0.10249	0.02678	-0.07248	0.11778
0.60988	0.147933	0.00135	0.104491	0.02393
0.00188	0.073192	0.1142	-0.03913	0.39882
0.00888	-0.1678	0.00027	0.195208	2.16E-05
4.79E-05	-0.14481	0.0017	-0.02406	0.60403
0.09881	-0.20259	1.02E-05	-0.05819	0.20941
2.24E-14	0.064705	0.16272	-0.28787	2.31E-10
3.57E-10	-0.06879	0.13771	0.220851	1.44E-06
3.65E-05	-0.21322	3.34E-06	0.154826	0.00079

0.00041	-0.20282	1.00E-05	0.025921	0.57633
0.33033	-0.23688	2.23E-07	-0.1647	0.00035
1.60E-07	-0.10383	0.02484	-0.00164	0.97188
1.29E-08	-0.07739	0.09482	-0.05401	0.24408
0.00447	-0.16947	0.00023	0.034068	0.46267
0.01452	0.090981	0.04942	0.054427	0.24044
0.16481	-0.06938	0.13437	0.133539	0.00384
1.62E-05	-0.131	0.00458	0.014582	0.75329
0.00653	-0.22841	6.07E-07	0.015578	0.73705
1.05E-08	-0.02414	0.60276	-0.00145	0.97504
0.00728	-0.00933	0.84064	-0.07932	0.08686
0.02198	-0.09657	0.03697	-0.16139	0.00046
0.00093	-0.12603	0.00639	-0.04369	0.34613
0.40823	-0.10834	0.01919	-0.0993	0.03191
2.76E-11	-0.10512	0.02309	0.30019	3.52E-11
0.5468	-0.18869	4.07E-05	-0.17161	0.00019
0.0006	-0.26081	1.06E-08	0.134197	0.00367
0.02405	-0.14122	0.00222	0.071695	0.12182
2.76E-07	0.07497	0.10565	-0.03624	0.43462
1.13E-08	0.208154	5.73E-06	0.119109	0.00999
5.98E-10	0.03463	0.45532	0.100698	0.02957
0.00016	-0.17602	0.00013	0.167128	0.00029
0.4231	0.120359	0.00923	0.112639	0.01488
6.64E-09	-0.08859	0.05575	0.184835	5.86E-05
1.33E-13	0.102417	0.02689	0.114361	0.0134
0.31786	0.122572	0.00801	0.023247	0.61631
0.05911	-0.09022	0.05136	0.003769	0.93527
0.00261	-0.03137	0.49888	-0.27777	1.01E-09
0.00154	-0.20871	5.41E-06	0.033557	0.46942
0.01018	-0.16458	0.00036	0.00314	0.94604
0.99042	-0.03838	0.40793	-0.3279	3.63E-13
0.07788	-0.23366	3.28E-07	0.019134	0.68003
0.67925	-0.29	1.68E-10	0.150717	0.00109
6.72E-05	-0.10052	0.02986	-0.01085	0.8151
0.00065	-0.209	5.25E-06	0.155408	0.00075
0.00451	-0.10876	0.01872	0.049186	0.28882
4.41E-06	-0.15804	0.00061	0.349481	7.33E-15
0.00066	-0.22178	1.30E-06	0.21369	3.17E-06
0.59691	-0.13614	0.0032	-0.08931	0.05377
0.01313	-0.06235	0.17863	-0.05408	0.24344
0.03673	-0.01588	0.73214	-0.08734	0.0593
1.26E-11	0.152768	0.00093	-0.03498	0.45075
0.05895	-0.08319	0.07249	0.033719	0.46728
0.02437	0.046788	0.313	0.164071	0.00037
0.87426	0.258391	1.47E-08	-0.14466	0.00172

0.13632	-0.15577	0.00073	-0.05571	0.22953
1.05E-06	-0.07264	0.11698	0.099656	0.0313
0.02345	-0.10531	0.02285	0.049102	0.28965
0.64136	-0.22688	7.25E-07	-0.02909	0.53062
3.71E-05	-0.07084	0.12637	0.200665	1.25E-05
0.51294	-0.24788	5.72E-08	0.096962	0.0362
0.75233	-0.2701	2.99E-09	0.327777	3.70E-13
4.95E-08	-0.06222	0.17949	0.013668	0.7683
1.18E-07	-0.03279	0.47963	0.200074	1.32E-05
1.28E-11	-0.01027	0.8249	0.05958	0.19871
0.87145	-0.14587	0.00157	-0.2411	1.33E-07
1.70E-06	-0.10893	0.01854	-0.01305	0.77856
0.00279	-0.17275	0.00018	-0.01364	0.7688
0.53907	-0.12084	0.00895	-0.16215	0.00043
4.75E-06	-0.12844	0.00544	-0.04315	0.3522
0.97135	-0.2015	1.14E-05	-0.1265	0.00619
0.02559	-0.21455	2.89E-06	-0.04753	0.30534
1.49E-06	-0.03571	0.44131	0.229291	5.48E-07
0.00349	-0.10948	0.01795	-0.31098	6.26E-12
0.01464	-0.16299	0.00041	0.059471	0.19953
0.00104	-0.09908	0.0323	-0.03873	0.40368
1.38E-08	-0.13113	0.00453	0.195272	2.14E-05
0.07041	-0.14883	0.00126	-0.08506	0.06627
2.75E-07	-0.20882	5.34E-06	0.430157	1.86E-22
0.17734	-0.15894	0.00057	0.063463	0.17095
3.23E-14	0.084378	0.06849	0.086446	0.06196
0.9979	-0.09551	0.03909	-0.27203	2.29E-09
2.16E-10	-0.10854	0.01897	0.17125	0.0002
0.91996	-0.09004	0.05184	-0.03659	0.43024
0.6315	-0.19805	1.62E-05	-0.06861	0.13878
0.14532	-0.2452	8.02E-08	-0.04623	0.31885
2.07E-05	-0.06425	0.16573	0.000922	0.98415
0.12696	-0.20955	4.95E-06	0.013462	0.7717
5.15E-05	-0.11631	0.01189	0.15192	0.00099
4.18E-05	-0.11348	0.01414	0.06256	0.17714
0.26012	-0.17409	0.00016	-0.09903	0.03239
0.01265	-0.2183	1.91E-06	0.034136	0.46178
2.56E-05	0.023289	0.61566	-0.00084	0.98553
5.02E-06	-0.15684	0.00067	-0.00903	0.84571
0.00054	-0.20417	8.70E-06	0.187193	4.69E-05
6.11E-11	-0.0912	0.04886	0.113461	0.01416
0.00072	-0.22672	7.38E-07	0.255552	2.13E-08
0.00167	0.095864	0.03837	-0.33983	4.36E-14
0.26694	-0.18949	3.77E-05	-0.07865	0.08956
0.0008	-0.17767	0.00011	0.036594	0.43014

2.12E-10	0.073821	0.11112	-0.05005	0.28045
0.00952	-0.09396	0.04241	-0.11816	0.0106
0.00286	-0.21748	2.09E-06	0.1433	0.00191
1.14E-14	0.070014	0.13084	0.015649	0.7359
8.28E-08	-0.05567	0.22988	0.319894	1.43E-12
0.01163	-0.09248	0.04577	-0.05304	0.25263
0.10274	-0.10764	0.01999	0.168507	0.00025
0.05579	-0.10923	0.01821	-0.14727	0.00142
2.67E-05	-0.19394	2.44E-05	0.056889	0.21979
0.01571	-0.20158	1.13E-05	-0.29872	4.43E-11
7.46E-08	0.040572	0.38169	0.202946	9.87E-06
0.00035	-0.0579	0.21168	-0.14043	0.00235
0.66909	-0.22492	9.08E-07	0.063259	0.17233
0.57701	0.285885	3.11E-10	-0.08353	0.07132
0.00044	-0.03362	0.4686	-0.04935	0.28721
0.45955	-0.25002	4.36E-08	0.143842	0.00183
4.84E-05	-0.12055	0.00912	0.099827	0.03101
0.0944	-0.17446	0.00015	0.058689	0.20552
0.09229	-0.1432	0.00192	-0.12933	0.00512
0.0005	-0.16346	0.00039	-0.02636	0.56985
0.15948	-0.07871	0.0893	-0.2683	3.84E-09
0.01807	-0.15243	0.00095	-0.02671	0.56484
0.00021	-0.1858	5.35E-05	0.134133	0.00368
7.63E-11	-0.1194	0.00981	0.25239	3.21E-08
5.73E-05	-0.12847	0.00543	0.05701	0.21881
0.08692	0.016124	0.7282	-0.02867	0.53653
0.02181	0.079493	0.08617	-0.07518	0.10468
0.00095	0.18122	8.20E-05	-0.12287	0.00785
2.13E-15	-0.05961	0.19851	0.196144	1.96E-05
3.06E-06	-0.05433	0.24126	0.057308	0.21641
0.00341	-0.12106	0.00883	-0.03513	0.4488
0.05038	-0.14515	0.00166	-0.17692	0.00012
0.13388	-0.19587	2.02E-05	-0.06891	0.13706
0.36431	-0.26782	4.10E-09	0.013811	0.76595
0.05194	-0.20791	5.88E-06	0.157974	0.00061
0.00689	-0.07185	0.12099	-0.05805	0.21055
4.72E-06	-0.14411	0.00179	0.042296	0.36178
0.06986	-0.24003	1.52E-07	-0.02773	0.55007
0.00012	-0.1558	0.00073	-0.0405	0.3826
4.39E-07	-0.07169	0.12187	0.01376	0.76679
0.05095	-0.1084	0.01912	-0.32286	8.64E-13
0.00071	-0.19046	3.43E-05	0.105589	0.02249
0.13667	-0.17993	9.23E-05	-0.06488	0.1616
0.00281	-0.05066	0.27462	-0.24857	5.24E-08
1.29E-14	0.14041	0.00236	0.126893	0.00603

0.54109	-0.15405	0.00084	-0.10903	0.01843
0.0051	-0.23837	1.86E-07	0.086639	0.06138
0.00298	0.213734	3.16E-06	-0.39052	1.83E-18
0.67787	-0.20433	8.56E-06	-0.06182	0.18232
0.14828	-0.18952	3.76E-05	0.02628	0.57106
0.02559	-0.18095	8.41E-05	-0.05544	0.23181
2.80E-06	-0.1896	3.73E-05	0.116576	0.0117
0.00266	-0.08044	0.08247	-0.00392	0.93271
0.9514	-0.25507	2.27E-08	-0.05683	0.22031
0.00084	-0.2353	2.69E-07	0.07634	0.09942
1.72E-22	0.076941	0.09677	0.190319	3.48E-05
0.77078	-0.16554	0.00033	-0.27045	2.85E-09
7.32E-05	-0.16614	0.00031	0.072184	0.11929
0.03253	-0.11797	0.01073	-0.04005	0.38789
0.35452	-0.27454	1.61E-09	-0.06107	0.18773
0.76809	-0.23368	3.27E-07	-0.04425	0.33997
0.02317	-0.13126	0.00449	0.217544	2.08E-06
2.19E-08	-0.06217	0.17984	0.084477	0.06816
1.18E-18	-0.01635	0.72458	0.226827	7.29E-07
0.078	-0.14081	0.00229	0.103826	0.02485
0.1099	-0.17422	0.00015	-0.0975	0.03517
0.02013	-0.08048	0.08231	-0.26171	9.43E-09
0.01049	-0.15367	0.00086	-0.09425	0.04176
0.02747	-0.17717	0.00012	-0.05562	0.23029
0.1676	-0.23039	4.82E-07	-0.18647	5.02E-05
0.6256	-0.12415	0.00723	-0.1296	0.00503
0.01887	-0.01247	0.78808	-0.24186	1.21E-07
0.07117	-0.15174	0.001	-0.39546	6.23E-19
0.01588	-0.19959	1.39E-05	-0.13106	0.00456
1.63E-11	-0.06357	0.17026	0.119127	0.00998
0.2099	-0.2402	1.49E-07	0.216434	2.35E-06
0.0547	-0.104	0.0246	-0.27754	1.05E-09
0.06491	-0.09892	0.03258	-0.28193	5.56E-10
0.00223	-0.05826	0.20883	-0.01349	0.77117
0.22879	-0.227	7.15E-07	-0.18711	4.73E-05
0.08275	-0.15551	0.00075	-0.0137	0.76774
0.12603	-0.28947	1.82E-10	0.17092	0.00021
0.04483	-0.19052	3.41E-05	0.170666	0.00021
0.10812	-0.17289	0.00017	0.017106	0.71235
4.29E-05	-0.22607	7.96E-07	0.215116	2.72E-06
0.00094	-0.15349	0.00088	0.196401	1.91E-05
0.01389	-0.28041	6.93E-10	0.154138	0.00083
0.00487	-0.03809	0.41152	-0.30807	1.00E-11
0.02491	-0.12184	0.0084	-0.12679	0.00607
5.29E-05	-0.09669	0.03673	0.006641	0.88619



1.64E-05	-0.11103	0.01638	0.080953	0.08054
0.29654	-0.23284	3.61E-07	-0.24039	1.45E-07
0.00089	-0.16208	0.00044	0.143011	0.00195
6.07E-08	-0.03289	0.47834	0.015451	0.73912
4.76E-10	0.103466	0.02536	-0.05982	0.19687
0.74632	-0.11738	0.01113	-0.16329	0.0004
8.24E-10	-0.0595	0.19932	-0.03356	0.46939
0.15308	-0.2633	7.61E-09	0.022723	0.62428
0.10104	-0.09143	0.04831	-0.16506	0.00034
0.02547	-0.1077	0.01991	-0.07291	0.11563
0.00931	-0.0134	0.7727	-0.28202	5.49E-10
0.40763	-0.06447	0.16423	-0.1249	0.00688
6.56E-05	-0.02714	0.55851	-0.15155	0.00102
0.93115	-0.09321	0.04409	-0.17456	0.00015
0.14899	-0.16843	0.00026	0.079586	0.0858
0.13274	0.164027	0.00037	0.207403	6.21E-06
0.00603	0.164191	0.00037	-0.10946	0.01797
2.45E-26	-0.0006	0.98975	0.206661	6.71E-06
0.0688	-0.18712	4.72E-05	-0.04107	0.37591
0.03677	-0.10338	0.02548	-0.08026	0.08318
0.89361	-0.11905	0.01003	-0.01873	0.68641
4.26E-05	-0.18886	4.00E-05	0.357296	1.65E-15
0.10015	-0.11727	0.01121	-0.04705	0.31031
0.21118	-0.04955	0.28522	-0.15097	0.00107
4.78E-06	-0.11806	0.01067	0.181605	7.92E-05
0.00377	0.091466	0.04822	-0.17308	0.00017
0.1457	-0.12182	0.00841	-0.02945	0.5255
4.04E-05	-0.21726	2.15E-06	0.130334	0.00479
0.00885	-0.11085	0.01655	-0.20644	6.87E-06
2.31E-06	-0.20623	7.02E-06	0.135776	0.00328
2.39E-05	-0.18868	4.07E-05	0.081686	0.07782
9.49E-06	-0.05559	0.23054	0.066338	0.15234
1.97E-07	-0.00775	0.86741	-0.01806	0.69705
0.00322	-0.0999	0.03089	0.002648	0.9545
0.84244	-0.08353	0.07134	-0.40905	2.90E-20
0.26078	-0.19925	1.44E-05	-0.07517	0.10473
0.00011	-0.1789	0.0001	-0.05543	0.2319
2.73E-05	-0.20243	1.04E-05	0.148365	0.0013
0.0001	-0.10951	0.01792	0.012347	0.79014
0.00833	-0.00909	0.84471	0.056016	0.22696
0.25926	-0.09901	0.03242	-0.24461	8.63E-08
0.15107	-0.14372	0.00185	-0.09573	0.03865
0.00613	-0.18222	7.48E-05	-0.01893	0.68319
6.94E-07	-0.08986	0.0523	0.30937	8.14E-12
7.90E-06	-0.10721	0.02049	0.065923	0.15493

2.19E-07	-0.15545	0.00075	0.21128	4.11E-06
2.59E-08	-0.20713	6.39E-06	0.170349	0.00022
0.27379	-0.08918	0.05412	-0.19988	1.35E-05
0.9791	-0.22248	1.20E-06	0.007314	0.87474
0.00057	-0.06725	0.1468	0.007009	0.87993
7.42E-16	0.052811	0.25471	0.087846	0.05783
6.61E-05	-0.08225	0.07579	0.015504	0.73825
2.85E-11	-0.07376	0.11143	0.066091	0.15388
6.14E-07	-0.11335	0.01425	0.015973	0.73064
0.09934	0.077569	0.09407	0.10002	0.03069
0.46336	-0.12269	0.00795	-0.10755	0.02009
0.64758	-0.19031	3.48E-05	-0.01801	0.69793
0.01546	-0.10655	0.02128	-0.2211	1.40E-06
0.12747	-0.16678	0.00029	0.073801	0.11122
1.51E-06	0.084155	0.06922	-0.22828	6.17E-07
2.77E-05	-0.11183	0.01562	-0.02416	0.60255
0.01363	-0.08879	0.0552	-0.15521	0.00076
1.17E-12	0.09258	0.04554	0.161965	0.00044
1.09E-05	-0.15509	0.00077	-0.03622	0.43486
0.00031	-0.16934	0.00024	-0.0069	0.88179
0.10758	-0.09599	0.03811	0.073347	0.11344
0.92093	-0.21568	2.55E-06	0.066174	0.15336
0.00321	0.482133	1.48E-28	-0.07218	0.11933
0.00366	-0.04085	0.37844	-0.13791	0.00282
0.0002	-0.07734	0.09503	0.051521	0.26651
2.67E-08	-0.0814	0.07886	-0.00569	0.90234
6.29E-10	0.001615	0.97224	0.270468	2.85E-09
0.01083	-0.16556	0.00033	-0.08618	0.06277
2.82E-06	-0.04474	0.33465	-0.0776	0.09394
0.00015	-0.15785	0.00062	0.048269	0.29792
0.17952	0.005877	0.89921	-0.18158	7.94E-05
0.10452	-0.16847	0.00026	0.005369	0.90788
5.96E-08	0.077337	0.09506	0.215154	2.70E-06
2.76E-07	-0.03517	0.44832	0.113842	0.01383
0.00059	-0.08556	0.06467	0.197007	1.80E-05
2.62E-05	-0.12617	0.00633	-0.02285	0.62231
7.36E-07	0.008834	0.849	0.129269	0.00515
0.00019	-0.00629	0.89216	-0.06055	0.1915
0.0005	-0.08252	0.07481	0.069252	0.13509
0.0004	-0.0892	0.05407	-0.08385	0.07024
0.00227	-0.23554	2.62E-07	0.146591	0.00149
0.00242	-0.15083	0.00108	0.213217	3.34E-06
4.12E-07	-0.08795	0.05753	0.18372	6.51E-05
8.94E-06	0.076927	0.09683	0.02947	0.52524
2.14E-05	-0.11655	0.01172	0.038464	0.40693

5.00E-06	-0.00494	0.9152	-0.0486	0.29461
0.49223	-0.17437	0.00015	-0.32412	6.95E-13
0.00361	-0.15369	0.00086	0.077777	0.09319
0.0584	-0.22882	5.79E-07	0.040509	0.38244
2.25E-07	-0.02399	0.60506	-0.06807	0.14191
0.08956	-0.17792	0.00011	-0.00808	0.86176
0.00017	-0.04005	0.3879	0.2135	3.24E-06
2.25E-05	-0.1461	0.00155	0.119403	0.0098
7.21E-05	-0.1457	0.00159	0.150582	0.0011
0.00225	-0.13172	0.00435	0.0663	0.15258
0.08013	-0.06402	0.16722	-0.20614	7.09E-06
0.07454	-0.25746	1.66E-08	0.209136	5.17E-06
1.12E-07	-0.04861	0.29455	0.190347	3.47E-05
0.024	-0.15396	0.00084	0.047288	0.30786
0.02057	-0.21715	2.17E-06	-0.12842	0.00545
0.22594	-0.1443	0.00177	-0.18607	5.22E-05
0.39242	-0.12674	0.00609	-0.29851	4.57E-11
0.96348	-0.08599	0.06335	-0.24819	5.50E-08
2.00E-17	0.216543	2.32E-06	0.12201	0.0083
0.18679	-0.15324	0.00089	-0.00132	0.97738
0.07461	-0.21708	2.19E-06	-0.01526	0.74221
0.00186	-0.05633	0.22439	-0.00253	0.95643
0.78107	-0.08455	0.06793	-0.20638	6.91E-06
0.08278	-0.19582	2.03E-05	-0.06768	0.14421
4.68E-10	-0.12865	0.00536	0.291129	1.42E-10
6.17E-08	-0.01114	0.81025	0.075279	0.10422
0.01049	-0.09567	0.03876	-0.17057	0.00021
3.15E-05	-0.15676	0.00067	0.048169	0.29892
0.00756	-0.05125	0.26908	-0.18227	7.45E-05
0.00045	0.002413	0.95852	-0.01082	0.81562
0.13009	-0.06427	0.16559	0.059745	0.19747
0.00033	-0.17528	0.00014	0.200694	1.24E-05
0.01283	-0.0334	0.47149	-0.20694	6.51E-06
0.00021	-0.21856	1.86E-06	0.132794	0.00404
0.00336	0.11677	0.01156	-0.07561	0.10271
0.1311	0.078323	0.09091	-0.01018	0.82634
0.07222	-0.02395	0.60568	-0.01785	0.70037
8.93E-12	-0.1106	0.0168	0.18456	6.02E-05
2.45E-10	-0.12765	0.00574	0.16196	0.00044
0.00104	-0.19941	1.42E-05	0.157124	0.00066
0.08938	-0.24327	1.02E-07	0.048102	0.29959
0.0003	-0.14277	0.00198	0.10907	0.01839
3.40E-10	-0.04693	0.31158	0.249675	4.55E-08
0.25723	0.214581	2.88E-06	0.231681	4.14E-07
0.00283	-0.18454	6.03E-05	0.111602	0.01583

0.01452	-0.15451	0.00081	-0.08918	0.05412
0.03889	-0.22742	6.81E-07	0.047007	0.31075
1.06E-05	-0.1728	0.00018	0.306043	1.39E-11
0.16281	-0.01795	0.69891	-0.2624	8.59E-09
2.82E-06	-0.0581	0.21011	-0.11505	0.01285
0.04502	-0.21252	3.60E-06	-0.18633	5.09E-05
2.39E-07	-0.09964	0.03134	0.112769	0.01476
0.11442	-0.06602	0.15435	0.031928	0.49127
1.01E-05	-0.06491	0.16136	0.14779	0.00136
0.24201	-0.21743	2.11E-06	0.001835	0.96846
0.32533	-0.21385	3.12E-06	0.028605	0.53748
0.00426	-0.09626	0.03757	0.111203	0.01621
5.74E-07	-0.14868	0.00127	0.137643	0.00288
0.05024	-0.06042	0.19245	-0.20739	6.21E-06
0.01154	-0.14156	0.00217	-0.07171	0.12176
0.30596	-0.08125	0.07944	-0.17369	0.00016
0.00025	-0.15723	0.00065	-0.13705	0.003
7.04E-05	0.010561	0.81994	-0.12071	0.00902
1.16E-08	-0.04615	0.31965	-0.07832	0.09093
0.58917	-0.25101	3.84E-08	-0.02565	0.58028
0.00836	-0.17795	0.00011	-0.07045	0.12847
5.32E-05	-0.04544	0.32716	0.119934	0.00948
0.00143	-0.17014	0.00022	-0.02762	0.55163
2.92E-06	-0.17447	0.00015	0.155506	0.00075
1.34E-07	0.148124	0.00133	-0.20141	1.16E-05
1.09E-05	-0.02887	0.53377	-0.04954	0.28533
0.00293	-0.18859	4.11E-05	0.052319	0.25916
1.66E-05	-0.156	0.00072	0.029384	0.52645
8.07E-05	-0.07333	0.1135	0.205447	7.62E-06
0.0189	-0.00728	0.87532	-0.15187	0.00099
0.00511	-0.155	0.00078	0.03633	0.43348
0.15737	-0.14929	0.00121	0.004898	0.91593
0.96592	-0.12797	0.00561	-0.14508	0.00167
0.00052	0.081999	0.07669	-0.05158	0.26595
0.13172	-0.15934	0.00055	-0.07434	0.10863
0.00327	-0.0759	0.10139	-0.02725	0.55687
4.92E-07	0.026159	0.57284	0.105842	0.02216
0.06658	-0.16761	0.00027	-0.08139	0.07891
0.04191	-0.07418	0.1094	-0.16691	0.00029
0.00061	-0.12566	0.00655	0.024322	0.60008
0.36248	-0.1955	2.09E-05	-0.17201	0.00019
7.62E-08	-0.0629	0.1748	-0.06693	0.14869
0.20627	-0.18245	7.33E-05	-0.15916	0.00056
0.10684	-0.19182	3.01E-05	-0.12982	0.00496
0.00031	-0.01974	0.67052	-0.07209	0.11975

0.01927	-0.13269	0.00407	-0.04351	0.34816
9.16E-09	0.043647	0.34663	0.062439	0.17798
0.10806	-0.25592	2.03E-08	-0.10467	0.02369
0.49086	-0.18686	4.84E-05	-0.23863	1.80E-07
3.65E-14	-0.06538	0.15839	0.266815	4.71E-09
2.37E-06	0.028028	0.54572	-0.20939	5.03E-06
3.46E-09	-0.07688	0.09704	0.113657	0.01399
0.00033	-0.0408	0.379	0.098811	0.03277
0.00386	-0.15363	0.00087	0.133333	0.0039
7.23E-06	-0.1283	0.00549	-0.02934	0.52708
0.00931	-0.22304	1.12E-06	-0.09683	0.03645
1.33E-05	-0.13945	0.00253	0.054641	0.23859
5.48E-08	-0.135	0.00347	0.067409	0.14582
0.62969	0.032911	0.47801	0.274514	1.61E-09
0.00319	-0.22542	8.57E-07	0.119254	0.0099
5.97E-05	-0.1236	0.00749	0.139372	0.00254
0.43693	-0.19572	2.05E-05	-0.16182	0.00045
0.05216	-0.24869	5.17E-08	0.153082	0.0009
0.01862	-0.0987	0.03298	-0.15076	0.00108
1.03E-13	0.042022	0.3649	0.176524	0.00013
2.30E-09	0.03065	0.50879	0.186595	4.97E-05
0.46216	-0.15345	0.00088	-0.23434	3.02E-07
0.00037	-0.04428	0.33968	-0.09901	0.03243
9.27E-10	-0.07471	0.10689	0.080315	0.08296
1.63E-05	-0.12398	0.00731	0.177127	0.00012
1.69E-11	-0.02631	0.57062	0.041439	0.3716
6.27E-05	0.044307	0.33938	-0.12507	0.00681
0.00745	-0.20881	5.35E-06	0.003772	0.93521
0.00364	-0.03951	0.39426	-0.07731	0.09517
0.12439	-0.24199	1.19E-07	-0.06892	0.13699
0.86546	-0.0699	0.13148	-0.30262	2.40E-11
0.00566	-0.25733	1.69E-08	-0.23733	2.11E-07
0.02079	-0.08839	0.05629	0.001546	0.97341
0.00154	-0.10577	0.02225	-0.00699	0.8803
0.13949	-0.07699	0.09658	-0.00264	0.95456
0.02736	-0.14433	0.00177	0.309445	8.04E-12
6.14E-07	0.074868	0.10613	0.010953	0.81338
0.0028	-0.03557	0.44317	-0.14136	0.0022
5.45E-06	-0.08172	0.07769	-0.08232	0.07552
0.00037	-0.13929	0.00255	-0.0844	0.06843
2.47E-05	-0.1044	0.02406	-0.12228	0.00816
0.12433	-0.04246	0.35988	-0.0118	0.79926
7.44E-06	-0.06732	0.14634	-0.12856	0.0054
0.01332	-0.17387	0.00016	-0.15141	0.00103
4.55E-11	-0.0852	0.06583	0.076015	0.10086

0.70033	-0.25638	1.91E-08	-0.15897	0.00056
0.00647	-0.19132	3.16E-05	-0.01354	0.77038
0.65908	-0.12049	0.00915	-0.05457	0.23918
0.00077	-0.06126	0.1863	-0.17491	0.00015
0.66225	-0.06985	0.13175	-0.2072	6.34E-06
0.03861	-0.22002	1.58E-06	0.162441	0.00042
0.01577	-0.20362	9.20E-06	-0.02175	0.6392
1.31E-07	-0.01167	0.80135	0.046719	0.31372
0.00441	-0.07464	0.10719	-0.05626	0.22496
1.43E-12	-0.02555	0.58179	0.166798	0.00029
1.74E-06	-0.02049	0.65877	-0.02092	0.65211
0.00403	-0.16529	0.00033	0.046186	0.31927
0.00234	-0.1424	0.00204	0.101234	0.02871
0.0003	-0.15438	0.00082	0.094884	0.0404
0.13632	-0.14455	0.00174	-0.14265	0.002
0.26457	-0.19489	2.22E-05	-0.12481	0.00692
0.00033	-0.05435	0.24109	-0.06699	0.14835
1.08E-08	-0.08717	0.05979	0.115728	0.01233
0.00174	-0.15564	0.00074	-0.05125	0.26902
0.34636	-0.13399	0.00372	-0.14764	0.00138
0.76736	-0.20228	1.06E-05	-0.09106	0.04922
0.0027	-0.15189	0.00099	0.194375	2.34E-05
0.47749	-0.21815	1.95E-06	0.001739	0.9701
7.80E-05	0.072794	0.11619	0.23655	2.32E-07
1.26E-06	-0.1465	0.0015	0.003101	0.94671
3.49E-06	-0.18741	4.59E-05	0.046112	0.32006
0.13858	-0.12422	0.0072	-0.15512	0.00077
5.72E-05	-0.00984	0.83205	-0.18934	3.82E-05
8.53E-08	-0.18768	4.48E-05	0.286834	2.70E-10
0.01175	-0.15728	0.00065	0.100353	0.03013
0.17495	-0.13239	0.00416	0.00777	0.86701
0.31572	-0.10277	0.02636	-0.04303	0.35352
0.83016	0.179792	9.35E-05	0.037022	0.42476
0.00243	-0.05601	0.22703	-0.08388	0.07014
0.01775	0.033568	0.46927	0.113382	0.01422
3.67E-13	0.020931	0.65188	-0.05104	0.27101
1.40E-07	-0.10014	0.03049	0.304554	1.77E-11
2.56E-05	-0.18209	7.57E-05	0.198587	1.54E-05
0.02081	-0.09369	0.04301	0.08276	0.07398
9.11E-07	-0.10141	0.02843	-0.02412	0.60318
0.01812	0.49793	1.25E-30	-0.20271	1.01E-05
0.00038	-0.12263	0.00798	-0.03206	0.48952
4.95E-05	-0.22494	9.06E-07	-0.22571	8.29E-07
0.12515	-0.22297	1.13E-06	-0.12787	0.00565
1.73E-07	-0.08416	0.0692	0.107153	0.02055

1.18E-05	-0.18634	5.09E-05	0.255534	2.14E-08
0.53533	-0.0843	0.06873	-0.10567	0.02239
0.01551	0.040391	0.38383	-0.13197	0.00428
0.08768	-0.19132	3.16E-05	0.173176	0.00017
5.14E-07	-0.14027	0.00238	0.134805	0.00352
0.00965	-0.07513	0.10491	0.008122	0.86105
0.00164	-0.14826	0.00131	0.102553	0.02669
6.06E-06	-0.11361	0.01403	0.076513	0.09865
0.00029	-0.08979	0.05249	0.118902	0.01012
0.42261	-0.23413	3.10E-07	-0.04513	0.33047
4.86E-05	-0.11629	0.01191	0.232904	3.58E-07
0.02564	-0.18778	4.44E-05	-0.07969	0.08539
0.91443	-0.27375	1.80E-09	0.095504	0.03911
0.00273	0.059402	0.20006	-0.34041	3.92E-14
0.02273	-0.03215	0.48821	-0.31314	4.40E-12
0.81667	-0.1259	0.00644	-0.13194	0.00429
0.08268	-0.18614	5.19E-05	0.079761	0.08511
0.00393	-0.24605	7.21E-08	0.030595	0.50954
8.43E-08	-0.12992	0.00493	0.267002	4.59E-09
9.13E-05	-0.15213	0.00097	0.16447	0.00036
0.04672	-0.12818	0.00554	-0.15394	0.00084
0.01653	-0.06112	0.18736	-0.14684	0.00146
0.00036	-0.06285	0.17513	-0.01931	0.67724
0.38851	-0.21012	4.65E-06	-0.23253	3.75E-07
0.01711	-0.10741	0.02025	-0.26407	6.86E-09
1.72E-06	-0.0336	0.4688	-0.15794	0.00061
0.00603	-0.01223	0.79203	-0.06394	0.16774
0.00669	-0.14423	0.00178	-0.16111	0.00047
1.34E-05	-0.01576	0.73408	-0.05806	0.21042
0.04784	-0.10445	0.02399	0.066997	0.1483
0.00394	-0.13553	0.00334	-0.12865	0.00537
5.90E-08	-0.07053	0.12803	0.171205	0.0002
0.00612	-0.15676	0.00067	-0.08009	0.08383
0.00012	0.112979	0.01457	-0.17199	0.00019
0.0001	-0.1802	9.01E-05	0.137318	0.00294
0.00275	-0.14872	0.00127	-0.02634	0.57021
4.22E-06	-0.01533	0.74112	0.181776	7.79E-05
0.46479	-0.09506	0.04004	-0.1545	0.00081
4.35E-05	0.095094	0.03996	0.012855	0.78174
0.00434	-0.03347	0.47053	-0.06969	0.13262
0.0052	-0.15927	0.00055	0.07222	0.11911
0.0002	-0.10149	0.0283	-0.1439	0.00182
0.12451	-0.11967	0.00964	0.080097	0.0838
0.00303	-0.13902	0.00261	0.115968	0.01215
6.89E-05	-0.0572	0.21729	0.026666	0.56542

0.30422	-0.17537	0.00014	-0.07821	0.09138
6.00E-06	-0.06643	0.15176	0.164694	0.00035
0.08042	-0.06171	0.18312	-0.23809	1.92E-07
0.04082	-0.22394	1.02E-06	-0.1471	0.00143
0.97717	-0.12133	0.00867	0.046968	0.31115
9.80E-06	-0.04808	0.29981	-0.11956	0.00971
0.005	-0.195	2.20E-05	-0.09656	0.03698
0.00017	-0.17026	0.00022	0.146091	0.00155
3.33E-08	-0.08545	0.06504	-0.04392	0.34359
0.00259	-0.21719	2.16E-06	0.083661	0.07088
3.30E-07	-0.03344	0.47103	0.232724	3.66E-07
4.30E-07	-0.00389	0.93315	0.010786	0.81617
7.07E-05	0.051577	0.266	-0.10741	0.02026
0.01145	-0.06486	0.16171	-0.16671	0.0003
0.17718	-0.21814	1.95E-06	-0.08296	0.07329
0.41497	-0.13347	0.00386	-0.02999	0.51799
0.91225	-0.2462	7.07E-08	-0.09298	0.04461
0.05503	0.006566	0.88746	-0.26464	6.34E-09
0.75618	-0.16418	0.00037	-0.28129	6.10E-10
6.82E-06	-0.04896	0.29101	0.061437	0.18505
0.00331	-0.04088	0.37812	-0.12071	0.00902
4.26E-11	-0.11692	0.01145	0.278872	8.66E-10
0.00257	-0.20651	6.82E-06	-0.00062	0.98938
0.00156	0.012626	0.78552	-0.02987	0.51959
9.09E-05	-0.21042	4.51E-06	0.275868	1.33E-09
0.00318	-0.00547	0.90609	0.153275	0.00089
0.01047	-0.1207	0.00903	0.181915	7.69E-05
4.20E-05	-0.21962	1.65E-06	-0.33068	2.23E-13
4.68E-08	-0.04119	0.37443	0.160685	0.00049
0.00183	-0.06299	0.17419	0.271732	2.39E-09
0.00011	-0.13567	0.00331	0.179959	9.21E-05
2.61E-06	-0.13341	0.00387	0.208297	5.65E-06
0.80678	-0.24313	1.04E-07	-0.12519	0.00675
0.01202	-0.01308	0.77807	-0.07314	0.11446
0.03335	-0.17737	0.00012	-0.02143	0.64411
0.00014	-0.14551	0.00162	0.053235	0.2509
0.00582	-0.17672	0.00012	0.024434	0.59842
0.00088	-0.02463	0.59545	-0.08348	0.07148
0.12474	-0.21817	1.94E-06	0.132985	0.00399
0.36134	-0.12997	0.00491	-0.11382	0.01385
0.07348	-0.20073	1.24E-05	0.023068	0.61902
2.02E-07	0.005822	0.90014	-0.01436	0.75686
1.45E-05	0.021039	0.65019	-0.172	0.00019
1.84E-05	-0.03799	0.4127	-0.02777	0.54937
0.00035	-0.07256	0.11737	-0.1375	0.00291



1.13E-06	-0.112	0.01546	0.11958	0.0097
0.04745	-0.17289	0.00017	-0.00193	0.96686
0.02719	-0.16079	0.00049	-0.12127	0.00871
0.00011	-0.05458	0.23907	-0.03048	0.51114
0.08616	-0.1901	3.55E-05	-0.19597	2.00E-05
0.01757	-0.16688	0.00029	-0.09288	0.04484
0.04082	-0.08716	0.05982	-0.18785	4.41E-05
0.00098	-0.08281	0.07382	0.101448	0.02837
3.53E-05	-0.19163	3.06E-05	0.146621	0.00149
0.02035	-0.07678	0.09748	-0.09942	0.03171
0.00045	-0.19808	1.62E-05	0.161366	0.00046
1.21E-05	-0.18409	6.28E-05	0.16209	0.00044
0.78532	-0.08083	0.08101	-0.15836	0.00059
1.90E-08	-0.03696	0.42554	0.203788	9.05E-06
4.80E-07	-0.1335	0.00385	0.060016	0.19544
0.02442	-0.11232	0.01516	-0.09139	0.0484
3.60E-10	-0.15829	0.0006	0.200558	1.26E-05
6.12E-09	-0.13229	0.00419	0.117167	0.01128
7.73E-07	-0.07192	0.12063	-0.04652	0.31578
2.11E-09	-0.10276	0.02637	0.12182	0.00841
3.80E-07	-0.04123	0.37403	-0.00455	0.92188
0.01353	-0.1808	8.53E-05	-0.02551	0.58244
0.05076	-0.19964	1.38E-05	-0.2467	6.64E-08
0.00842	-0.1369	0.00303	-0.07256	0.11736
7.33E-05	-0.1181	0.01064	0.096506	0.03709
0.00058	0.011008	0.81245	0.057914	0.21158
3.43E-06	-0.01582	0.73306	0.048756	0.29306
5.66E-08	0.000645	0.98891	0.102649	0.02654
0.00048	-0.09865	0.03307	-0.12841	0.00545
0.00278	-0.18111	8.29E-05	0.238928	1.74E-07
0.08384	-0.19276	2.74E-05	0.175397	0.00014
0.42192	-0.19142	3.13E-05	0.067839	0.14326
0.17856	-0.21785	2.01E-06	-0.10275	0.0264
0.23265	-0.16457	0.00036	0.104121	0.02444
0.04025	-0.2572	1.72E-08	0.13143	0.00444
4.03E-05	-0.14627	0.00153	0.168587	0.00025
0.01496	-0.20724	6.31E-06	-0.01624	0.72639
0.11545	-0.12437	0.00713	-0.25133	3.69E-08
0.00258	-0.12547	0.00663	-0.06876	0.1379
0.81002	0.311243	6.00E-12	-0.11742	0.0111
1.20E-11	-0.07199	0.1203	0.012531	0.78709
4.47E-11	-0.15538	0.00075	0.151404	0.00103
0.01331	-0.15606	0.00071	0.027244	0.55702
0.00289	-0.11338	0.01422	-0.02233	0.63022
0.11278	0.312504	4.88E-12	-0.06737	0.14604

0.07521	-0.03244	0.48431	-0.13572	0.0033
0.00071	-0.20051	1.27E-05	0.031645	0.49511
0.2407	-0.20663	6.73E-06	-0.03403	0.46323
0.64071	-0.07656	0.09843	-0.16002	0.00052
0.90603	-0.16077	0.00049	-0.09582	0.03847
6.97E-06	-0.08095	0.08054	0.302217	2.56E-11
0.00341	-0.20826	5.67E-06	0.090864	0.04972
0.00257	0.109296	0.01814	0.127347	0.00585
0.00027	0.103504	0.0253	-0.02285	0.62238
1.78E-08	-0.18696	4.80E-05	0.167191	0.00028
0.68849	-0.16442	0.00036	-0.09058	0.05044
3.86E-09	-0.1848	5.88E-05	0.29053	1.55E-10
0.03574	-0.23228	3.86E-07	0.119386	0.00981
0.60159	-0.23089	4.55E-07	0.204034	8.82E-06
0.24032	-0.29076	1.50E-10	-0.17048	0.00021
0.28175	-0.14248	0.00202	-0.33539	9.69E-14
1.06E-08	-0.05096	0.27172	0.182753	7.12E-05
4.33E-07	0.049506	0.28569	-0.05632	0.22446
0.00364	-0.10383	0.02485	-0.34342	2.26E-14
4.17E-08	-0.17936	9.73E-05	0.072212	0.11915
7.21E-12	0.036407	0.4325	0.080252	0.0832
2.04E-05	-0.15589	0.00072	0.098791	0.03281
0.00021	-0.13462	0.00356	-0.0034	0.9416
1.40E-08	-0.14157	0.00217	0.035876	0.43925
5.25E-05	-0.17592	0.00013	0.328321	3.37E-13
2.02E-07	-0.0522	0.26029	-0.01018	0.82627
0.01218	-0.14909	0.00123	-0.09284	0.04494
6.20E-06	-0.16896	0.00024	-0.02331	0.61542
0.99334	0.191772	3.02E-05	0.30583	1.44E-11
0.11108	-0.16831	0.00026	-0.07969	0.08538
8.55E-15	-0.03352	0.46994	0.215513	2.60E-06
0.02925	-0.229	5.67E-07	-0.09789	0.03445
7.98E-11	-0.03719	0.42268	0.140093	0.00241
5.17E-10	-0.12281	0.00789	0.121209	0.00874
0.03005	-0.164	0.00037	-0.17381	0.00016
0.14277	-0.17623	0.00013	-0.20461	8.31E-06
0.00023	-0.15963	0.00054	-0.07719	0.09569
1.10E-07	0.013894	0.76459	0.06915	0.13567
3.68E-10	-0.08325	0.0723	0.124419	0.0071
2.66E-07	0.11015	0.01726	0.239591	1.60E-07
0.45707	-0.21186	3.86E-06	-0.03838	0.40793
0.00666	-0.00895	0.84706	-0.03411	0.46213
0.33781	-0.24157	1.26E-07	0.20351	9.31E-06
0.45079	-0.09255	0.04562	-0.07068	0.1272
5.56E-06	-0.15241	0.00095	0.147843	0.00136

0.57902	-0.17661	0.00012	-0.17765	0.00011
0.01836	-0.19428	2.36E-05	0.104774	0.02355
1.84E-06	-0.18823	4.25E-05	0.232249	3.87E-07
0.17183	-0.02438	0.59922	-0.10168	0.02801
0.50294	0.087676	0.05832	0.10685	0.02092
0.02097	-0.16976	0.00023	0.065512	0.15752
0.56097	-0.18442	6.09E-05	-0.1077	0.01991
0.00335	-0.19983	1.36E-05	-0.28042	6.92E-10
0.00138	-0.16362	0.00038	-0.02706	0.55963
4.12E-06	-0.16716	0.00029	0.176698	0.00012
0.04348	-0.08752	0.05877	0.102055	0.02743
0.03422	0.083925	0.06999	0.049548	0.28529
0.21155	-0.09028	0.05121	0.081393	0.0789
8.77E-05	-0.23856	1.82E-07	0.217683	2.05E-06
1.31E-05	-0.02877	0.53512	-0.02426	0.601
0.00132	-0.1837	6.52E-05	0.226734	7.37E-07
1.93E-05	-0.13768	0.00287	0.016738	0.71827
1.94E-05	-0.18729	4.65E-05	0.03543	0.44496
0.32529	0.039711	0.39189	0.068312	0.14048
0.67209	-0.13123	0.0045	-0.15253	0.00094
0.02853	-0.12307	0.00775	-0.4092	2.80E-20
0.95086	0.011602	0.80254	-0.16894	0.00024
0.97302	0.048968	0.29097	0.097576	0.03503
0.00018	0.00282	0.95154	0.313322	4.27E-12
0.12265	0.119285	0.00988	-0.13773	0.00286
0.69573	-0.07804	0.09207	-0.01018	0.82625
0.14923	-0.14109	0.00224	0.249735	4.52E-08
0.14119	-0.11054	0.01686	-0.2171	2.18E-06
0.29526	-0.02699	0.5607	-0.13273	0.00406
0.00013	0.007386	0.87352	0.096223	0.03765
0.00261	-0.01086	0.81488	-0.20091	1.22E-05
0.00069	0.015466	0.73887	-0.09456	0.0411
0.38722	-0.04218	0.36308	-0.12677	0.00608
0.30688	-0.13906	0.0026	0.162159	0.00043
0.63973	0.021634	0.64099	0.027477	0.55364
0.99738	-0.0624	0.17827	-0.25908	1.34E-08
0.66511	-0.1015	0.0283	-0.11578	0.01229
0.01924	-0.10485	0.02345	0.197978	1.64E-05
0.47404	-0.06036	0.19287	-0.15311	0.0009
0.00612	-0.05787	0.21194	0.007561	0.87055
0.00313	0.009095	0.8446	0.121947	0.00834
1.51E-06	0.097455	0.03526	0.175592	0.00014
0.00024	0.175603	0.00014	0.188747	4.05E-05
0.16545	-0.04633	0.31779	0.14093	0.00227
0.33389	0.079037	0.08799	-0.17521	0.00014

0.00191	0.021121	0.64892	-0.18791	4.38E-05
0.17527	-0.09232	0.04615	0.115836	0.01225
0.20718	-0.137	0.00301	-0.16811	0.00026
0.10012	-0.07991	0.08452	0.00049	0.99157
0.38223	-0.12162	0.00851	0.02397	0.60538
0.0214	0.01	0.82936	0.111076	0.01633
0.50898	-0.09007	0.05174	0.230126	4.97E-07
0.8195	0.01131	0.80741	0.072417	0.1181
0.1819	-0.08519	0.06585	0.216964	2.22E-06
4.46E-08	-0.04066	0.38064	0.23184	4.07E-07
0.03651	-0.12502	0.00683	-0.1312	0.00451
0.00048	-0.00638	0.89062	0.131137	0.00453
0.01679	-0.06048	0.19199	0.239045	1.71E-07
0.00141	-0.00631	0.89191	0.104487	0.02394
0.01544	0.028197	0.5433	-0.18271	7.15E-05
0.003	-0.10013	0.0305	0.061625	0.18371
0.94667	-0.15799	0.00061	0.068082	0.14182
0.05881	-0.04953	0.28547	0.013043	0.77862
0.35926	-0.11733	0.01116	0.21307	3.39E-06
6.64E-11	-0.0177	0.70286	0.227563	6.70E-07
8.99E-15	0.221298	1.37E-06	0.126685	0.00612
1.58E-06	0.205088	7.91E-06	0.279712	7.67E-10
0.05685	-0.02258	0.62642	0.03768	0.41657
0.04366	-0.02778	0.54923	-0.05614	0.22596
0.65389	-0.04453	0.33695	-0.16999	0.00022
0.00517	-0.09253	0.04565	0.396963	4.47E-19
0.03372	0.03371	0.46739	0.128081	0.00557
0.00254	-0.00822	0.85931	-0.07	0.13089
0.18781	-0.03348	0.47042	0.085928	0.06354
0.27132	0.139698	0.00248	0.125995	0.0064
0.00208	-0.10272	0.02644	0.323232	8.10E-13
0.04642	-0.01413	0.76063	0.117525	0.01103
6.01E-05	-0.03571	0.44143	0.135427	0.00336
0.15691	0.028568	0.538	0.047069	0.31011
0.05149	0.027485	0.55354	-0.22882	5.79E-07
0.00053	-0.10246	0.02683	0.154096	0.00083
0.06941	0.114658	0.01316	-0.01443	0.75585
0.0166	-0.0027	0.95366	-0.11662	0.01167
0.01001	-0.03833	0.4086	0.40426	8.69E-20
0.02016	-0.07887	0.08867	0.102969	0.02607
0.14896	-0.03187	0.49199	0.071855	0.12099
0.21449	0.161005	0.00048	-0.0221	0.63387
9.56E-05	-0.07857	0.08989	0.062633	0.17663
0.32476	0.110898	0.01651	-0.26595	5.31E-09
0.16149	-0.03697	0.42539	0.114941	0.01294

0.83241	-0.01382	0.76588	0.081238	0.07947
0.96751	0.009862	0.83168	0.117581	0.01099
0.70292	-0.08067	0.08159	0.086547	0.06165
0.03059	-0.19056	3.40E-05	0.269612	3.20E-09
0.01928	0.069708	0.13253	0.239296	1.66E-07
4.60E-06	-0.11222	0.01525	-0.11145	0.01598
0.0213	0.001394	0.97603	0.072005	0.12021
0.02664	-0.07673	0.0977	0.226568	7.52E-07
1.44E-07	0.012198	0.79263	0.411376	1.69E-20
0.26287	-0.01434	0.75731	-0.25183	3.46E-08
0.01934	-0.0463	0.31811	0.434594	6.16E-23
0.11787	0.1312	0.00451	-0.08653	0.06171
0.84527	-0.06948	0.13378	-0.09527	0.03959
0.07643	-0.03912	0.39902	-0.4018	1.51E-19
0.56331	-0.08946	0.05337	-0.11258	0.01493
0.02524	-0.09457	0.04107	0.130218	0.00482
0.74902	0.023701	0.60943	0.094234	0.0418
0.21814	-0.12309	0.00774	0.072058	0.11994
0.03263	-0.11261	0.0149	0.188767	4.04E-05
0.00065	0.03446	0.45754	0.008178	0.86009
0.00532	-0.02106	0.64981	0.006523	0.88819
0.01244	-0.07232	0.1186	0.126157	0.00634
0.16157	0.004135	0.92899	-0.15327	0.00089
0.41374	-0.04645	0.31647	-0.08256	0.07468
0.12503	-0.13916	0.00258	-0.05454	0.23944
0.45443	-0.13716	0.00298	-0.10425	0.02426
0.12801	-0.07183	0.12114	-0.0196	0.67263
0.57985	-0.03477	0.45353	-0.07264	0.11696
0.0852	-0.01299	0.77953	-0.04372	0.34578
0.00159	0.153349	0.00089	-0.0087	0.85129
0.00158	0.092183	0.04648	0.185616	5.45E-05
0.02194	-0.05108	0.27067	0.276638	1.19E-09
0.0311	-0.06744	0.14563	-0.02075	0.65463
0.00301	-0.02638	0.56961	-0.20064	1.25E-05
0.22641	-0.06846	0.13965	-0.09828	0.03373
0.8419	-0.04294	0.35447	-0.08262	0.07448
0.86184	-0.03131	0.49971	-0.12103	0.00884
0.00046	-0.1246	0.00702	-0.18268	7.17E-05
0.0103	-0.04868	0.29384	0.031911	0.4915
0.05498	-0.01102	0.81229	0.098952	0.03253
0.9608	0.036755	0.42812	0.236966	2.21E-07
0.19749	-0.099	0.03243	-0.00327	0.94384
0.02981	-0.15797	0.00061	-0.13068	0.00467
0.0587	-0.2204	1.51E-06	-0.11312	0.01445
0.27505	-0.12153	0.00857	0.233334	3.41E-07

0.00161	-0.08369	0.07077	0.023703	0.6094
0.00015	0.094952	0.04026	0.210689	4.38E-06
0.00039	-0.08354	0.07131	0.120004	0.00944
0.52286	-0.1438	0.00184	-0.05951	0.19922
0.56285	-0.16816	0.00026	0.044399	0.33838
0.04356	-0.04162	0.36956	0.393064	1.05E-18
0.0225	-0.03929	0.39692	0.175064	0.00014
0.96568	-0.3059	1.42E-11	0.331049	2.09E-13
0.02789	-0.21667	2.29E-06	-0.1126	0.01491
0.08926	-0.0179	0.69957	0.269991	3.04E-09
0.00416	0.057101	0.21807	0.087144	0.05987
0.73859	-0.14757	0.00138	0.19128	3.17E-05
0.00192	-0.06047	0.19206	0.063905	0.16799
0.00399	-0.0688	0.13768	0.239186	1.68E-07
0.57946	-0.11475	0.01309	0.143159	0.00193
0.52021	0.138865	0.00263	-0.15873	0.00058
0.82189	0.019004	0.68209	0.278057	9.73E-10
0.6296	-0.19499	2.20E-05	0.303048	2.24E-11
0.01964	-0.05592	0.22778	0.479785	2.93E-28
0.00016	0.125581	0.00658	0.080177	0.08349
0.00103	-0.15604	0.00071	-0.17643	0.00013
0.15735	-0.14245	0.00203	0.14527	0.00165
0.50071	0.002559	0.95601	0.071791	0.12132
0.0491	-0.03744	0.41951	-0.2489	5.02E-08
0.00054	-0.03696	0.42549	-0.05124	0.2691
0.03171	-0.05849	0.20709	0.165295	0.00033
0.39669	-0.06051	0.1918	-0.08477	0.0672
0.11259	-0.04227	0.36204	0.088334	0.05645
0.36912	-0.05432	0.24134	-0.11437	0.01339
0.00059	0.08979	0.05249	0.050232	0.27868
0.001	-0.06922	0.13528	-0.21649	2.34E-06
0.25663	-0.06755	0.14499	0.055177	0.23401
0.09872	-0.08845	0.05614	0.021717	0.63971
0.03309	-0.01383	0.7656	-0.05865	0.20584
0.57293	-0.17903	0.0001	-0.01125	0.80843
0.46837	-0.10688	0.02088	0.133192	0.00393
0.00031	0.046627	0.31468	-0.08314	0.07267
0.1172	0.018395	0.69174	0.16308	0.0004
0.00731	0.003589	0.93835	0.140203	0.00239
0.86169	-0.16613	0.00031	-0.01277	0.78318
0.56118	-0.10503	0.02321	0.060154	0.19441
0.00146	0.019323	0.67705	0.159354	0.00055
0.3402	-0.21032	4.56E-06	0.523157	3.61E-34
0.00556	-0.06164	0.18358	0.092988	0.04459
1.13E-05	-0.07633	0.09944	0.163885	0.00038

0.00264	-0.03797	0.41297	-0.05138	0.26784
2.84E-11	0.118107	0.01064	0.125448	0.00664
0.28253	-0.02307	0.61907	-0.03202	0.48996
0.02097	-0.00814	0.86074	-0.11946	0.00977
0.14334	-0.1007	0.02957	0.205208	7.81E-06
0.00246	-0.03577	0.44062	-0.0559	0.22792
1.60E-08	0.320342	1.32E-12	-0.27169	2.40E-09
8.61E-08	0.00564	0.90326	0.50285	2.69E-31
0.01046	0.026151	0.57295	0.05322	0.25104
0.18618	-0.04911	0.28957	-0.03623	0.43481
0.00451	0.014342	0.75723	0.004695	0.91941
0.72116	-0.10153	0.02824	-0.01233	0.79047
4.22E-05	-0.05276	0.25513	0.191416	3.13E-05
0.02146	-0.0683	0.14056	0.073613	0.11213
0.18968	-0.11195	0.0155	0.235103	2.76E-07
0.10516	-0.11278	0.01475	0.096155	0.03779
0.1345	-0.00248	0.95742	0.25795	1.55E-08
0.00076	-0.10012	0.03052	-0.05583	0.22852
0.07648	-0.05248	0.25771	0.296762	5.99E-11
0.11559	-0.12127	0.00871	0.101426	0.02841
0.08735	-0.05793	0.21142	-0.11289	0.01465
0.83701	-0.14951	0.00119	0.167677	0.00027
0.74234	-0.14263	0.002	0.053529	0.24829
0.21777	-0.14914	0.00123	-0.03373	0.46707
0.10293	-0.0767	0.09782	0.257293	1.70E-08
0.00023	0.020056	0.66553	-0.01334	0.77367
0.00132	0.089272	0.05387	0.169616	0.00023
0.23106	-0.05706	0.21837	0.179072	9.99E-05
0.00879	-0.13419	0.00367	0.151737	0.001
0.01786	-0.04569	0.32454	-0.05206	0.26157
0.19892	0.059649	0.19819	-0.35026	6.32E-15
1.62E-06	0.005099	0.9125	0.030576	0.50981
0.51121	-0.01119	0.8094	0.071646	0.12207
0.99931	-0.14874	0.00127	0.190641	3.37E-05
0.11872	-0.04749	0.30579	0.021034	0.65027
0.02573	-0.08815	0.05698	0.016941	0.71501
0.14087	-0.0412	0.37436	0.051054	0.27088
0.16475	-0.08056	0.08203	0.107887	0.0197
0.01282	-0.11678	0.01155	-0.25863	1.42E-08
0.0042	-0.02467	0.59484	0.075352	0.10388
0.13324	-0.04756	0.3051	0.189778	3.66E-05
0.0042	0.005322	0.90867	-0.02974	0.52141
0.60356	-0.16603	0.00031	0.141423	0.00219
0.36741	0.105998	0.02197	-0.12053	0.00913
0.71566	0.026526	0.56746	-0.40295	1.17E-19

0.42991	0.061755	0.18279	-0.18999	3.59E-05
0.00072	-0.12456	0.00704	0.056909	0.21963
0.06712	-0.08541	0.06516	0.126424	0.00622
0.0003	0.112268	0.01521	-0.19647	1.90E-05
0.00335	0.058851	0.20427	0.020189	0.66345
8.80E-14	0.311516	5.74E-12	-0.22035	1.52E-06
4.00E-09	0.178076	0.00011	0.144618	0.00173
0.63378	-0.06734	0.1462	-0.10193	0.02763
0.09455	0.079004	0.08812	-0.09721	0.03572
0.5286	0.097769	0.03467	-0.21966	1.64E-06
0.85023	-0.1305	0.00473	0.112254	0.01522
0.01842	-0.08231	0.07555	0.212815	3.49E-06
0.09293	-0.09197	0.047	0.141771	0.00213
0.00109	-0.06062	0.191	0.070631	0.12747
0.63659	0.029597	0.52346	-0.06017	0.19428
0.03538	-0.00613	0.8949	0.281782	5.68E-10
2.55E-08	-0.13925	0.00256	0.020119	0.66454
0.00018	0.120233	0.0093	0.066355	0.15223
0.11023	-0.10965	0.01777	-0.26862	3.68E-09
1.20E-06	0.006633	0.88632	0.050574	0.27541
0.00017	-0.03605	0.43708	0.091291	0.04865
0.00152	-0.03663	0.42964	0.139619	0.0025
0.92752	0.004694	0.91943	0.089373	0.0536
0.3502	-0.01576	0.7341	-0.3222	9.66E-13
0.79091	-0.13009	0.00487	0.019985	0.66664
0.85658	0.013116	0.77742	-0.07621	0.1
0.68276	-0.17108	0.0002	0.355221	2.46E-15
0.05962	-0.04268	0.35741	0.086219	0.06265
0.51662	-0.13441	0.00361	-0.01897	0.68261
0.03782	0.014188	0.75975	-0.01009	0.82792
0.32205	-0.03894	0.40113	0.407372	4.27E-20
0.01041	0.072057	0.11994	-0.05103	0.27109
0.93193	-0.09273	0.0452	-0.01425	0.75868
0.38453	0.047081	0.30998	-0.09648	0.03715
1.64E-06	-0.00402	0.931	0.303166	2.20E-11
0.01628	0.026627	0.56598	-0.04486	0.33339
0.31532	0.061022	0.18805	0.175078	0.00014
0.00257	0.00698	0.88041	0.329488	2.75E-13
0.00991	-0.00192	0.96702	-0.07646	0.09889
0.24057	-0.07292	0.11557	-0.0775	0.09436
0.70118	-0.0477	0.30367	-0.06491	0.16139
0.07194	-0.12222	0.00819	0.174569	0.00015
0.6339	-0.07473	0.10677	0.008055	0.86218
0.65967	-0.06548	0.15772	0.108102	0.01945
0.02126	-0.16871	0.00025	0.166427	0.0003



0.54779	-0.18753	4.55E-05	0.166053	0.00031
0.64049	-0.00475	0.91843	-0.04984	0.28248
0.0001	0.148697	0.00127	0.007793	0.86662
0.16527	-0.13485	0.0035	0.044255	0.33996
4.53E-05	-0.04581	0.32319	0.116585	0.01169
0.06432	-0.08933	0.05373	-0.08391	0.07003
4.83E-05	-0.05238	0.25865	0.204749	8.19E-06
0.34816	-0.04578	0.32354	0.115112	0.0128
0.07218	-0.11306	0.0145	0.096859	0.0364
0.00048	-0.11041	0.01699	0.054824	0.23702
0.00648	0.014288	0.75812	-0.16647	0.0003
0.57811	-0.12787	0.00565	-0.25524	2.22E-08
0.08156	-0.02487	0.59188	-0.00165	0.9717
0.73202	-0.05876	0.20494	-0.15247	0.00095
0.00066	-0.09165	0.04778	0.109639	0.01778
0.00932	0.237433	2.08E-07	-0.31697	2.33E-12
0.00047	0.17129	0.0002	-0.10451	0.02391
6.46E-10	0.169926	0.00023	0.136404	0.00314
0.00999	0.070591	0.12769	-0.01789	0.69975
0.57619	-0.07779	0.09315	0.008013	0.86289
0.00619	-0.02779	0.54912	-0.21262	3.56E-06
0.012	0.051423	0.26743	0.045216	0.32956
0.00348	-0.01501	0.74635	0.105096	0.02313
0.11031	-0.09398	0.04236	0.13634	0.00315
0.03921	-0.0251	0.58849	0.133706	0.0038
2.38E-08	-0.07107	0.12511	0.098397	0.03352
0.47737	-0.00842	0.85599	-0.37244	8.19E-17
0.03109	-0.03842	0.40751	-0.2018	1.11E-05
0.9971	0.028741	0.53555	0.239005	1.72E-07
0.00399	-0.12734	0.00586	0.226784	7.33E-07
0.97168	-0.05976	0.19736	-0.02162	0.64127
1.83E-09	0.220703	1.46E-06	0.01223	0.79209
0.05513	-0.10251	0.02675	0.285112	3.48E-10
1.67E-14	0.135327	0.00339	0.214655	2.86E-06
0.00478	-0.04664	0.31452	0.105303	0.02286
1.15E-05	0.037337	0.42083	0.308656	9.14E-12
0.01362	-0.09353	0.04336	-0.0788	0.08897
0.20826	-0.04059	0.38151	0.260074	1.17E-08
0.03725	-0.11184	0.01561	0.115914	0.01219
0.00471	-0.05639	0.22389	0.019989	0.66658
0.00048	-0.05333	0.25003	0.13098	0.00458
3.94E-10	-0.00974	0.83375	0.442004	9.34E-24
0.18399	-0.00898	0.84653	-0.32157	1.08E-12
0.07198	-0.08416	0.06921	-0.06837	0.14013
0.09257	-0.01747	0.70647	0.256319	1.93E-08

0.53826	-0.08913	0.05425	0.090925	0.04956
0.98871	0.036909	0.42618	-0.07501	0.10547
0.68131	0.027707	0.55033	0.358825	1.23E-15
0.35855	-0.01452	0.75433	0.045455	0.327
0.3368	-0.09331	0.04386	0.129425	0.00509
0.04671	-0.08095	0.08055	0.143721	0.00185
0.53005	-0.05827	0.20877	0.200167	1.31E-05
0.84564	-0.03832	0.40864	-0.04601	0.32117
0.70296	0.067051	0.14797	-0.18048	8.78E-05
0.64715	-0.00078	0.98665	-0.34843	8.92E-15
0.09023	-0.08622	0.06264	0.114281	0.01347
0.60274	-0.14345	0.00189	-0.04464	0.33574
0.15362	-0.1509	0.00107	0.03109	0.50271
0.00016	-0.0808	0.08111	0.295189	7.64E-11
5.86E-05	-0.04424	0.34009	0.147142	0.00143
0.17317	-0.30133	2.94E-11	0.343675	2.16E-14
0.00232	-0.18922	3.86E-05	0.506017	9.88E-32
0.12175	0.016895	0.71574	-0.02007	0.66529
0.06346	-0.12861	0.00538	0.056504	0.22293
0.00837	-0.05016	0.27939	0.294274	8.79E-11
0.6908	-0.05679	0.22062	0.091446	0.04827
0.07219	-0.06562	0.15682	-0.05976	0.19733
0.24836	-0.09797	0.0343	-0.02424	0.60134
0.00215	-0.03787	0.41424	0.202992	9.82E-06
0.05217	-0.02625	0.57149	-0.00358	0.93856
0.94513	0.039705	0.39196	-0.11746	0.01108
0.00038	-0.19766	1.69E-05	0.302061	2.62E-11
0.04094	0.129003	0.00524	-0.2579	1.56E-08
0.78618	0.015871	0.73229	0.037679	0.41659
0.05136	-0.04214	0.3636	0.03284	0.47897
0.00771	-0.02298	0.62031	-0.0729	0.11564
0.70913	0.004778	0.91799	-0.09316	0.04421
1.29E-05	0.01898	0.68247	0.030684	0.50832
0.00041	0.06993	0.1313	0.054125	0.24306
2.02E-07	0.114454	0.01333	0.268027	3.99E-09
0.00037	0.066143	0.15355	0.015936	0.73124
0.00528	0.024948	0.59073	-0.02859	0.53765
0.85514	0.039584	0.39341	-0.15407	0.00084
2.22E-05	0.120565	0.00911	0.106832	0.02094
0.12835	-0.03465	0.4551	0.122603	0.00799
0.00481	0.21582	2.51E-06	-0.30708	1.18E-11
0.51868	-0.11404	0.01367	0.165645	0.00032
0.06027	0.144309	0.00177	-0.20094	1.21E-05
0.59459	-0.09546	0.03919	-0.29873	4.42E-11
0.00652	-0.09062	0.05033	0.152637	0.00094

0.76311	-0.08788	0.05774	0.155673	0.00074
0.00249	0.026753	0.56415	0.280082	7.27E-10
0.7455	0.042565	0.35873	-0.09943	0.0317
2.98E-07	-0.10448	0.02395	0.394821	7.17E-19
0.58673	0.014056	0.76193	-0.19307	2.66E-05
0.22252	-0.03999	0.38857	0.120331	0.00924
0.02413	0.013739	0.76714	-0.13554	0.00334
0.04875	0.155159	0.00077	0.05784	0.21217
0.52768	-0.12783	0.00567	0.022933	0.62108
0.00103	-0.08333	0.072	0.071247	0.12417
0.17999	-0.10345	0.02537	0.287247	2.54E-10
0.00048	-0.27778	1.01E-09	0.24966	4.56E-08
0.95027	-0.05303	0.25273	-0.14784	0.00136
0.81514	-0.05532	0.23281	-0.14927	0.00121
0.21586	0.007787	0.86672	0.164228	0.00037
0.0606	-0.21298	3.42E-06	0.126571	0.00616
1.02E-09	-0.13394	0.00373	-0.09659	0.03693
0.0307	-0.12119	0.00875	0.011999	0.79592
0.17262	0.082869	0.0736	-0.14107	0.00224
0.10992	0.036245	0.43456	0.026334	0.57027
7.46E-05	-0.00193	0.96679	0.132407	0.00415
0.12861	-0.17409	0.00016	0.087879	0.05774
0.30435	-0.00019	0.99676	0.236055	2.46E-07
0.59003	0.074647	0.10717	-0.25055	4.07E-08
0.05293	-0.06381	0.16864	0.024578	0.59626
0.90567	0.152764	0.00093	-0.01809	0.69667
0.93248	0.061456	0.18491	0.027373	0.55515
0.05924	0.07441	0.10829	-0.34486	1.73E-14
0.6129	-0.09766	0.03488	-0.00843	0.85591
0.15867	0.101423	0.02841	0.015592	0.73682
0.0007	-0.23722	2.14E-07	0.37352	6.57E-17
0.11567	0.004997	0.91423	0.022279	0.63107
0.92331	-0.0146	0.75297	-0.02988	0.51949
0.09617	-0.16645	0.0003	-0.00904	0.84559
0.02479	-0.03504	0.44996	0.213496	3.24E-06
9.05E-06	-0.00838	0.8566	0.189545	3.75E-05
1.21E-05	-0.07099	0.12556	0.323028	8.39E-13
0.5825	0.042294	0.3618	-0.03248	0.48374
0.00246	-0.08906	0.05445	0.177812	0.00011
0.60171	-0.16	0.00052	0.171342	0.0002
0.00553	-0.04936	0.28707	0.103265	0.02564
0.23353	0.018872	0.68417	-0.0702	0.12984
0.02591	-0.03668	0.42904	0.268399	3.79E-09
0.78501	-0.04105	0.37615	0.019801	0.66953
0.09728	0.061658	0.18347	-0.17258	0.00018

0.00117	-0.23002	5.04E-07	0.15622	0.0007
8.74E-07	-0.10333	0.02555	0.422158	1.32E-21
0.45203	-0.04239	0.36066	0.119792	0.00957
0.03802	-0.04866	0.29403	-0.07244	0.11799
0.69482	-0.02449	0.59757	-0.13075	0.00465
0.01466	-0.1299	0.00493	-0.12448	0.00707
0.86225	-0.19099	3.26E-05	0.188806	4.02E-05
0.03485	-0.04449	0.33735	-0.07196	0.12046
0.03584	-0.0429	0.35497	0.198808	1.50E-05
0.37067	-0.05436	0.24099	0.161547	0.00046
0.64724	-0.11241	0.01509	0.012804	0.78258
0.00145	-0.01635	0.72457	0.043566	0.34753
0.14473	-0.03971	0.39193	0.141711	0.00214
0.00411	-0.02801	0.546	0.091392	0.0484
0.00013	-0.13257	0.00411	-0.13413	0.00369
0.001	0.133169	0.00394	0.154286	0.00082
0.80523	-0.11139	0.01603	-0.03601	0.43749
0.02202	-0.02865	0.53684	-0.22934	5.45E-07
8.40E-05	-0.08395	0.06991	-0.08981	0.05243
0.00035	-0.14882	0.00126	-0.14782	0.00136
0.01471	-0.10458	0.02382	-0.10995	0.01746
0.08224	-0.0524	0.25842	0.033303	0.47279
0.35412	0.008651	0.85209	0.118907	0.01012
0.00126	-0.13886	0.00264	0.050367	0.27738
0.1071	-0.17028	0.00022	-0.09284	0.04493
0.11666	0.053222	0.25102	0.114845	0.01301
0.0067	0.028531	0.53853	0.128452	0.00544
0.05826	-0.11494	0.01294	0.00494	0.9152
0.32126	-0.13685	0.00304	-0.01774	0.70217
0.02599	0.062281	0.17908	-0.34842	8.94E-15
0.596	-0.05374	0.24643	0.167759	0.00027
6.92E-05	0.048375	0.29685	-0.19065	3.37E-05
0.27253	-0.07567	0.10245	0.000688	0.98817
0.93258	-0.06609	0.15389	-0.04477	0.33441
0.88071	-0.05867	0.20567	-0.00356	0.93887
0.00276	-0.17465	0.00015	-0.01599	0.7304
0.5483	-0.04848	0.29585	0.090256	0.05127
0.47408	0.011946	0.79681	-0.13484	0.00351
0.21916	-0.09456	0.0411	-0.15102	0.00106
0.5159	-0.07496	0.10572	-0.1175	0.01105
0.00056	0.043158	0.35207	-0.04743	0.30636
0.00021	-0.17417	0.00016	-0.21865	1.84E-06
0.10917	-0.03491	0.45174	-0.12176	0.00844
0.33025	-0.02558	0.58137	-0.15645	0.00069
0.3123	0.105172	0.02303	-0.10744	0.02022

0.72295	0.013509	0.77092	-0.05413	0.24305
0.00039	-0.05939	0.20014	-0.13873	0.00266
6.69E-05	-0.14509	0.00167	-0.17966	9.47E-05
0.09529	-0.04441	0.33824	0.236241	2.41E-07
0.01781	-0.1263	0.00628	-0.10376	0.02494
0.55289	-0.08896	0.05472	0.042176	0.36314
0.3683	-0.03432	0.45937	-0.01365	0.76855
0.05638	0.043234	0.35122	-0.17228	0.00018
0.01173	-0.20077	1.23E-05	0.03229	0.48637
0.02456	0.066221	0.15307	-0.10692	0.02083
0.21886	0.023681	0.60974	0.177958	0.00011
0.49394	0.046483	0.31617	0.141581	0.00216
0.00726	-0.03334	0.47235	-0.06865	0.1385
3.09E-05	-0.04473	0.33484	-0.12932	0.00513
0.3244	0.119238	0.00991	-0.20327	9.54E-06
0.07968	-0.11925	0.0099	0.383028	9.11E-18
0.26845	-0.07037	0.12891	-0.01831	0.69312
0.00127	-0.13528	0.0034	-0.02643	0.56887
0.0002	0.079601	0.08574	-0.19691	1.82E-05
0.4725	0.054341	0.24118	-0.0992	0.03209
0.94252	-0.02455	0.59673	-0.1388	0.00265
0.23346	-0.03958	0.39343	0.232004	3.99E-07
0.00944	-0.07586	0.10158	-0.14142	0.00219
0.20688	-0.05278	0.25496	-0.08213	0.07622
0.00978	-0.11765	0.01095	-0.02146	0.64362
0.13056	0.03541	0.44523	0.274106	1.71E-09
0.85628	0.015153	0.74396	-0.24651	6.80E-08
0.10413	-0.12432	0.00715	-0.0673	0.14646
0.75066	-0.05489	0.23642	-0.04061	0.38119
0.08491	0.043913	0.3437	-0.16828	0.00026
0.09735	-0.11125	0.01617	-0.04652	0.31577
0.00337	-0.05919	0.20164	-0.03543	0.44495
1.59E-05	0.550741	2.14E-38	-0.17973	9.40E-05
2.40E-06	0.380001	1.72E-17	0.038424	0.40743
3.02E-10	0.430641	1.65E-22	0.100304	0.03022
3.08E-16	0.46538	1.78E-26	-0.07149	0.12287
5.32E-13	0.420124	2.15E-21	0.027779	0.54929
9.84E-11	0.487177	3.30E-29	-0.07769	0.09354
5.44E-07	0.15474	0.00079	0.348329	9.09E-15
1.18E-19	0.471164	3.51E-27	0.163361	0.00039
5.24E-09	0.49891	9.24E-31	-0.23539	2.67E-07
0.00019	0.437116	3.26E-23	-0.1893	3.84E-05
6.74E-08	0.561751	3.40E-40	-0.2387	1.79E-07
1.07E-09	0.376893	3.28E-17	-0.00444	0.92382
0.0017	0.284971	3.56E-10	-0.03173	0.49392

0.00013	0.213761	3.15E-06	0.025218	0.58672
1.54E-12	0.38843	2.88E-18	0.277758	1.02E-09
5.83E-08	0.247758	5.81E-08	0.416684	4.87E-21
2.86E-06	0.299522	3.90E-11	0.16433	0.00036
6.14E-06	0.353556	3.39E-15	0.088177	0.05689
0.13196	0.136224	0.00318	0.183665	6.54E-05
4.22E-10	0.401627	1.58E-19	-0.22253	1.19E-06
6.82E-13	0.382425	1.03E-17	-0.1157	0.01235
0.0002	0.386967	3.94E-18	-0.04558	0.32563
2.60E-13	0.418713	3.01E-21	0.224756	9.25E-07
3.86E-10	0.444219	5.27E-24	-0.02581	0.57798
0.70882	0.184121	6.27E-05	-0.01103	0.81214
4.92E-14	0.532672	1.39E-35	-0.02712	0.55886
1.51E-12	0.527875	7.27E-35	-0.06037	0.19278
5.94E-16	0.559547	7.89E-40	-0.05023	0.27867
2.05E-18	0.510384	2.44E-32	0.168916	0.00025
2.89E-10	0.532605	1.42E-35	-0.10023	0.03034
0.00028	0.275175	1.47E-09	-0.03203	0.48982
5.55E-06	0.311273	5.97E-12	0.181493	8.00E-05
1.16E-11	0.333148	1.44E-13	0.250171	4.27E-08
1.07E-14	0.377902	2.66E-17	0.376403	3.63E-17
1.73E-19	0.646578	1.23E-56	-0.0922	0.04645
2.69E-09	0.38791	3.22E-18	0.235821	2.53E-07
9.33E-44	0.712344	1.63E-73	-0.12291	0.00783
0.01816	0.364809	3.80E-16	-0.09053	0.05058
0.57494	0.102119	0.02734	-0.02102	0.65042
6.09E-05	0.213608	3.20E-06	-0.06729	0.14652
4.73E-09	0.36308	5.35E-16	-0.00759	0.87009
2.48E-12	0.383212	8.76E-18	0.236683	2.28E-07
4.60E-10	0.433157	8.83E-23	-0.03689	0.42638
8.18E-06	0.353587	3.37E-15	0.001092	0.98122
1.92E-12	0.503849	1.96E-31	-0.13095	0.00459
5.09E-11	0.451872	7.04E-25	-0.07075	0.1268
4.05E-12	0.211566	3.99E-06	0.055013	0.2354
6.47E-29	0.385829	5.03E-18	0.085108	0.06612
2.09E-08	0.541286	6.66E-37	-0.0794	0.08653
0.01309	0.229283	5.49E-07	-0.11489	0.01298
0.61587	0.274334	1.65E-09	-0.1862	5.15E-05
0.00919	0.253288	2.86E-08	-0.09046	0.05075
1.66E-10	0.488219	2.42E-29	-0.09645	0.0372
9.49E-11	0.417234	4.27E-21	0.010781	0.81626
5.46E-14	0.257884	1.57E-08	0.139488	0.00252
0.00483	0.25737	1.68E-08	0.032039	0.48976
1.06E-08	0.450505	1.01E-24	-0.11751	0.01104
3.07E-11	0.427706	3.41E-22	0.018226	0.69443

2.01E-19	0.377939	2.64E-17	0.381394	1.28E-17
6.31E-06	0.258609	1.43E-08	-0.01751	0.70588
3.57E-10	0.443022	7.18E-24	0.139306	0.00255
3.35E-13	0.756112	1.17E-87	-0.25252	3.16E-08
0.07848	0.213178	3.35E-06	-0.16146	0.00046
0.00351	0.35208	4.49E-15	-0.00583	0.90002
0.4179	0.190114	3.55E-05	-0.05631	0.22453
0.10673	0.150367	0.00112	-0.06306	0.17369
3.66E-28	0.704575	2.81E-71	-0.05693	0.21942
0.09636	0.322933	8.52E-13	-0.1556	0.00074
1.08E-10	0.32567	5.33E-13	-0.01202	0.79555
0.73431	0.050827	0.27301	-0.17645	0.00013
0.00067	0.3101	7.23E-12	-0.03495	0.45115
2.35E-19	0.528885	5.14E-35	0.025375	0.5844
4.90E-10	0.507855	5.49E-32	-0.09644	0.03722
4.16E-08	0.310176	7.14E-12	0.001717	0.97048
6.60E-09	0.255055	2.27E-08	0.010407	0.82252
9.97E-05	0.39058	1.81E-18	-0.00464	0.92043
0.00605	0.342938	2.47E-14	-0.27986	7.50E-10
1.72E-09	0.435483	4.92E-23	0.029067	0.53092
0.00513	0.337516	6.61E-14	-0.1213	0.00869
2.38E-23	0.510559	2.30E-32	0.127562	0.00577
1.35E-11	0.577401	7.15E-43	-0.12333	0.00763
3.81E-08	0.511362	1.78E-32	-0.13693	0.00303
7.45E-07	0.426829	4.23E-22	-0.10582	0.02219
0.00495	0.341689	3.10E-14	-0.08752	0.05877
3.20E-10	0.481096	2.00E-28	0.064088	0.16677
0.00137	0.368279	1.90E-16	-0.06142	0.18518
1.76E-07	0.328616	3.20E-13	0.121842	0.00839
2.41E-19	0.506174	9.39E-32	0.011225	0.80884
0.79822	0.296972	5.80E-11	-0.42529	6.16E-22
0.85763	0.133105	0.00396	-0.05489	0.23645
3.80E-14	0.540957	7.50E-37	-0.12551	0.00661
5.26E-11	0.472039	2.74E-27	-0.03416	0.46149
1.28E-12	0.455868	2.41E-25	-0.01438	0.75669
5.75E-11	0.421157	1.67E-21	-0.08656	0.06163
5.85E-07	0.29914	4.14E-11	-0.01785	0.70046
6.69E-10	0.578023	5.56E-43	-0.12781	0.00567
0.048	0.193199	2.63E-05	-0.17136	0.0002
0.00733	0.34951	7.29E-15	-0.03616	0.43564
4.22E-05	0.336197	8.38E-14	0.198756	1.51E-05
0.10989	0.248522	5.27E-08	0.073715	0.11163
2.25E-07	0.365361	3.40E-16	-0.12739	0.00584
0.00048	0.152557	0.00094	0.090899	0.04963
5.36E-06	0.429532	2.17E-22	-0.02905	0.53117

0.00117	0.367461	2.24E-16	0.177513	0.00012
7.60E-05	0.249386	4.73E-08	0.105003	0.02325
0.0001	0.235832	2.53E-07	0.023214	0.6168
0.00176	0.209666	4.89E-06	-0.13487	0.0035
0.00043	0.42049	1.97E-21	-0.20168	1.12E-05
4.41E-11	0.489934	1.44E-29	-0.11373	0.01393
0.12686	0.375525	4.36E-17	-0.13861	0.00268
1.69E-19	0.558753	1.07E-39	-0.10838	0.01914
2.61E-13	0.448388	1.77E-24	0.011687	0.80113
1.81E-10	0.443665	6.08E-24	-0.04429	0.33959
6.82E-15	0.719474	1.24E-75	-0.27047	2.85E-09
0.00028	0.345415	1.56E-14	-0.26318	7.73E-09
1.07E-24	0.587779	9.96E-45	0.142351	0.00204
4.83E-15	0.649484	2.70E-57	-0.18075	8.57E-05
2.35E-13	0.693771	2.76E-68	-0.1644	0.00036
1.35E-13	0.603466	1.15E-47	-0.15723	0.00065
3.65E-05	0.345091	1.66E-14	-0.01965	0.67191
1.24E-12	0.656278	7.35E-59	-0.16904	0.00024
8.09E-05	0.401503	1.62E-19	-0.05279	0.25492
1.71E-21	0.721614	2.78E-76	-0.19301	2.68E-05
3.33E-18	0.733081	7.25E-80	-0.17401	0.00016
1.94E-17	0.667883	1.25E-61	-0.1743	0.00015
0.00407	0.446722	2.74E-24	-0.16292	0.00041
2.78E-07	0.3171	2.28E-12	-0.02582	0.57776
0.10883	0.099601	0.0314	0.027322	0.55589
1.46E-19	0.423213	1.02E-21	0.099723	0.03119
4.05E-09	0.412583	1.28E-20	0.065344	0.15859
0.00018	0.374352	5.54E-17	-0.19258	2.79E-05
1.31E-05	0.343587	2.19E-14	-0.15548	0.00075
0.00028	0.231817	4.08E-07	-0.00126	0.97826
2.32E-07	0.570377	1.18E-41	-0.11731	0.01118
1.33E-15	0.487776	2.76E-29	0.13293	0.00401
0.00033	0.135494	0.00335	0.417461	4.05E-21
2.25E-32	0.796826	#####	-0.08257	0.07466
6.32E-14	0.354768	2.69E-15	0.25291	3.01E-08
3.29E-05	0.402637	1.25E-19	-0.0878	0.05798
1.90E-08	0.446892	2.62E-24	-0.09828	0.03372
6.04E-11	0.553331	8.19E-39	-0.1263	0.00627
8.37E-10	0.356234	2.03E-15	0.312056	5.25E-12
1.56E-07	0.382496	1.02E-17	0.106832	0.02094
5.32E-05	0.172487	0.00018	0.071093	0.12499
1.34E-24	0.490902	1.08E-29	0.1064	0.02147
3.50E-13	0.527499	8.27E-35	-0.09021	0.05139
1.49E-10	0.56806	2.95E-41	-0.16882	0.00025
9.19E-12	0.553436	7.88E-39	-0.10815	0.0194



0.00282	0.330749	2.20E-13	0.027462	0.55386
4.19E-06	0.402286	1.36E-19	-0.11291	0.01463
3.23E-07	0.393297	1.00E-18	-0.08949	0.05328
9.67E-07	0.276983	1.14E-09	-0.01721	0.71061
4.65E-10	0.397476	3.99E-19	-0.04913	0.28933
1.97E-09	0.288588	2.08E-10	-0.01596	0.73082
1.56E-12	0.505421	1.19E-31	-0.07916	0.0875
5.14E-12	0.473756	1.68E-27	-0.05624	0.22508
2.32E-06	0.33571	9.15E-14	-0.07348	0.11279
2.88E-15	0.478058	4.85E-28	-0.08029	0.08305
0.00132	0.219202	1.73E-06	0.219603	1.65E-06
7.76E-07	0.345924	1.42E-14	0.133466	0.00386
8.50E-12	0.521669	5.95E-34	-0.02576	0.5787
2.79E-07	0.538367	1.88E-36	-0.1679	0.00027
9.10E-07	0.526766	1.06E-34	-0.11567	0.01237
9.53E-08	0.468314	7.84E-27	0.029601	0.52341
7.15E-14	0.475051	1.16E-27	-0.01362	0.7691
0.00095	0.225181	8.81E-07	0.042063	0.36443
0.14693	0.210982	4.24E-06	-0.13134	0.00447
4.47E-11	0.459467	9.09E-26	-0.1447	0.00172
3.39E-06	0.357725	1.52E-15	-0.05368	0.24692
6.09E-05	0.321313	1.12E-12	-0.13652	0.00312
1.02E-07	0.568603	2.38E-41	-0.17479	0.00015
2.34E-07	0.185676	5.42E-05	0.176035	0.00013
2.42E-13	0.522349	4.74E-34	-0.07442	0.10824
2.11E-09	0.583633	5.60E-44	-0.15979	0.00053
3.32E-15	0.45302	5.19E-25	0.028829	0.53429
0.00056	0.394576	7.56E-19	-0.14353	0.00187
6.54E-10	0.450851	9.24E-25	0.116314	0.01189
0.00073	0.375069	4.78E-17	-0.01207	0.79472
6.43E-11	0.429719	2.08E-22	-0.01573	0.73463
1.05E-07	0.329735	2.63E-13	-0.10541	0.02272
3.14E-14	0.435216	5.26E-23	0.15595	0.00072
0.13824	0.312306	5.04E-12	-0.24564	7.59E-08
0.00012	0.414925	7.38E-21	-0.01734	0.70855
2.48E-14	0.367865	2.06E-16	0.281444	5.96E-10
1.02E-06	0.268653	3.66E-09	0.131396	0.00445
7.74E-08	0.411984	1.47E-20	-0.00197	0.96612
0.00082	0.321747	1.04E-12	0.087986	0.05743
0.19213	0.172186	0.00018	0.070537	0.12798
2.53E-07	0.438621	2.22E-23	0.141175	0.00223
3.56E-05	0.30738	1.12E-11	0.144044	0.0018
0.01494	0.381033	1.39E-17	-0.03829	0.40904
4.03E-11	0.744541	1.23E-83	-0.31094	6.31E-12
6.56E-26	0.610555	4.80E-49	-0.00727	0.87556

1.23E-16	0.541016	7.34E-37	-0.09539	0.03934
6.24E-12	0.403426	1.05E-19	-0.01687	0.71618
0.00027	0.305029	1.64E-11	0.043992	0.34283
2.06E-07	0.478823	3.88E-28	-0.20675	6.65E-06
2.10E-14	0.295077	7.77E-11	0.207545	6.11E-06
8.43E-34	0.786346	2.58E-99	-0.12519	0.00675
2.06E-06	0.279706	7.67E-10	0.022811	0.62294
4.50E-10	0.386594	4.27E-18	0.036219	0.43488
1.59E-14	0.452127	6.58E-25	0.231119	4.43E-07
4.80E-09	0.314638	3.43E-12	0.277133	1.11E-09
0.02257	0.25782	1.58E-08	-0.01382	0.76576
8.99E-18	0.384779	6.28E-18	0.327569	3.84E-13
0.00044	0.39936	2.62E-19	0.043754	0.34545
7.74E-13	0.469013	6.44E-27	-0.10032	0.03019
5.75E-07	0.423004	1.07E-21	-0.25759	1.63E-08
0.42098	0.259127	1.33E-08	-0.02795	0.54684
0.0045	0.295666	7.10E-11	0.073273	0.1138
5.54E-17	0.435916	4.41E-23	-0.18545	5.53E-05
2.43E-15	0.418509	3.16E-21	0.002497	0.95707
1.30E-38	0.507303	6.55E-32	0.206717	6.67E-06
3.17E-13	0.464358	2.37E-26	-0.03445	0.45765
0.003	0.26837	3.81E-09	-0.10882	0.01866
3.07E-18	0.455604	2.59E-25	0.018557	0.68917
4.11E-08	0.308497	9.38E-12	-0.01566	0.73569
1.55E-16	0.441794	9.86E-24	0.026602	0.56635
5.43E-11	0.396046	5.47E-19	-0.01447	0.75515
9.70E-13	0.474948	1.19E-27	-0.05806	0.21045
3.82E-05	0.307918	1.03E-11	0.130768	0.00465
1.23E-11	0.516608	3.20E-33	-0.13347	0.00386
8.48E-09	0.301097	3.05E-11	0.093171	0.04418
4.55E-54	0.69901	1.02E-69	0.13502	0.00346
6.92E-14	0.385359	5.56E-18	0.10738	0.02029
1.60E-07	0.36038	9.08E-16	-0.08316	0.07258
2.77E-11	0.398766	2.99E-19	0.118449	0.01041
0.00873	0.136872	0.00304	0.158028	0.00061
0.00062	0.299125	4.15E-11	0.00646	0.88926
0.0037	0.279673	7.71E-10	-0.01936	0.67654
2.13E-05	0.185395	5.56E-05	0.180738	8.58E-05
2.20E-11	0.592969	1.11E-45	-0.11813	0.01062
0.0096	0.185862	5.32E-05	0.088416	0.05622
0.02235	0.428498	2.81E-22	-0.53677	3.31E-36
0.00033	0.446377	3.00E-24	-0.02703	0.56008
0.00025	0.340678	3.73E-14	-0.06526	0.15913
7.06E-10	0.456891	1.83E-25	0.067656	0.14434
3.65E-05	0.376013	3.94E-17	-0.0913	0.04862

4.74E-05	0.369526	1.48E-16	0.145315	0.00164
2.16E-07	0.355637	2.28E-15	-0.01607	0.7291
8.84E-11	0.336813	7.51E-14	0.12992	0.00492
3.22E-12	0.381502	1.26E-17	0.060961	0.18848
2.01E-09	0.334315	1.17E-13	0.263327	7.58E-09
2.28E-10	0.321181	1.15E-12	0.147647	0.00138
2.30E-08	0.533981	8.81E-36	-0.08545	0.06504
4.85E-05	0.57055	1.11E-41	-0.2393	1.66E-07
4.52E-12	0.568952	2.08E-41	-0.09748	0.03522
0.03972	0.366151	2.91E-16	-0.00365	0.93727
0.09735	0.36762	2.17E-16	-0.21542	2.63E-06
7.48E-06	0.401852	1.50E-19	-0.07143	0.12322
0.0001	0.270711	2.75E-09	0.022775	0.62349
0.00081	0.398712	3.03E-19	-0.08797	0.05748
3.91E-23	0.685219	5.20E-66	-0.12014	0.00936
6.78E-11	0.572367	5.39E-42	-0.07805	0.09206
1.03E-22	0.610065	6.00E-49	-0.08102	0.08028
8.77E-11	0.267681	4.19E-09	0.392298	1.25E-18
0.69537	0.366838	2.54E-16	-0.06903	0.13633
3.33E-14	0.481212	1.93E-28	0.101465	0.02835
0.11664	0.234502	2.96E-07	0.087218	0.05966
0.01359	0.239163	1.69E-07	0.101336	0.02855
0.11278	0.143045	0.00194	0.111157	0.01586
1.98E-21	0.502761	2.77E-31	0.29794	4.99E-11
0.00011	-0.10869	0.0188	0.129669	0.00501
0.04746	-0.07449	0.10792	-0.1031	0.02589
0.01447	-0.09693	0.03626	0.007715	0.86794
0.34485	0.004076	0.93	-0.26545	5.68E-09
0.00062	-0.13013	0.00486	0.014139	0.76056
0.20088	-0.12448	0.00707	0.010263	0.82494
0.00074	-0.17414	0.00016	-0.19613	1.97E-05
0.00168	-0.09237	0.04605	-0.10835	0.01917
0.01192	-0.12835	0.00548	0.005593	0.90405
0.00348	-0.16104	0.00048	0.026815	0.56324
0.61903	-0.16543	0.00033	-0.17429	0.00015
3.00E-05	-0.12113	0.00879	0.078237	0.09126
0.44585	-0.13023	0.00482	-0.15587	0.00073
0.83603	-0.10264	0.02655	0.00046	0.99209
0.85843	-0.0381	0.41143	-0.06512	0.16003
0.27759	-0.07701	0.09646	-0.17535	0.00014
0.35828	-0.05294	0.25359	-0.11479	0.01306
0.76586	-0.24281	1.08E-07	0.025518	0.58228
6.28E-06	-0.08163	0.07801	-0.01682	0.7169
9.22E-07	-0.06001	0.19549	0.161518	0.00046
0.75489	-0.12867	0.00536	0.100109	0.03054

0.86331	-0.08925	0.05392	-0.21701	2.21E-06
0.00042	-0.1846	5.99E-05	0.08319	0.07249
0.00717	-0.10488	0.02341	0.023161	0.61762
0.59749	-0.10872	0.01877	-0.22723	6.96E-07
7.06E-05	-0.05128	0.26879	-0.02959	0.52361
0.00061	-0.09571	0.03868	-0.09122	0.04884
0.63934	-0.14426	0.00178	-0.06121	0.18665
0.25842	-0.16811	0.00026	0.171633	0.00019
7.98E-07	0.020499	0.65861	0.173692	0.00016
0.43723	-0.14745	0.0014	-0.1465	0.0015
0.92876	-0.19385	2.46E-05	-0.18089	8.46E-05
0.05372	-0.01406	0.76185	0.095618	0.03887
0.57083	-0.16548	0.00033	0.037675	0.41664
0.01528	-0.15877	0.00057	0.03668	0.42906
0.33186	-0.02722	0.5574	-0.10155	0.02822
0.14215	-0.15764	0.00063	-0.18623	5.14E-05
0.25368	-0.1372	0.00297	-0.03775	0.41567
8.46E-09	-0.03225	0.48696	0.190403	3.45E-05
0.92511	-0.084	0.06972	-0.04325	0.35106
0.00225	-0.0241	0.60345	0.141937	0.00211
0.90194	-0.23939	1.64E-07	-0.09591	0.03827
5.62E-05	-0.13592	0.00325	0.39393	8.71E-19
0.08778	-0.16237	0.00043	-0.00608	0.89566
0.33257	-0.2185	1.87E-06	-0.04879	0.2927
0.79755	-0.18381	6.45E-05	-0.13963	0.00249
0.03487	-0.04775	0.30318	-0.1876	4.51E-05
0.00025	0.164186	0.00037	-0.23746	2.08E-07
0.62809	-0.1065	0.02135	-0.01209	0.79439
0.00049	-0.12376	0.00742	0.060681	0.19053
0.00425	-0.26094	1.04E-08	-0.05116	0.26987
0.02663	-0.10508	0.02315	-0.22014	1.56E-06
0.45686	-0.20083	1.23E-05	0.132348	0.00417
3.06E-05	-0.08802	0.05735	0.114958	0.01292
4.62E-09	0.040813	0.37887	-0.04907	0.28999
0.51656	-0.14077	0.00229	-0.1168	0.01154
0.09124	-0.13486	0.0035	-0.03391	0.46469
3.85E-05	-0.06468	0.16286	-0.0644	0.1647
0.10354	-0.12466	0.00699	0.011815	0.79899
0.03294	-0.15011	0.00114	-0.06526	0.15916
0.00013	0.015454	0.73907	-0.14787	0.00135
5.19E-05	-0.13192	0.00429	0.111857	0.01559
0.24527	-0.04616	0.31956	-0.1631	0.0004
0.0269	0.005426	0.90691	0.00062	0.98934
0.00125	-0.15231	0.00096	0.238349	1.87E-07
0.03574	-0.11025	0.01715	-0.05641	0.22374

0.01144	-0.20101	1.20E-05	-0.00445	0.92364
0.03363	-0.12393	0.00734	-0.00288	0.95045
0.00072	-0.15885	0.00057	0.038865	0.40207
0.97294	-0.12208	0.00827	-0.22212	1.25E-06
0.19965	-0.03576	0.44071	-0.30115	3.02E-11
0.49292	-0.17332	0.00017	-0.21389	3.10E-06
0.87615	-0.19382	2.47E-05	0.093713	0.04295
0.6396	-0.17251	0.00018	-0.19212	2.92E-05
0.20509	0.041474	0.3712	0.038446	0.40715
0.27822	-0.14809	0.00133	-0.03273	0.48047
0.11628	0.030308	0.51353	-0.41299	1.16E-20
0.79099	-0.07053	0.12802	-0.07375	0.11147
0.00043	-0.15525	0.00076	0.177764	0.00011
0.00215	-0.11168	0.01576	0.208821	5.34E-06
0.02939	-0.15457	0.0008	-0.03745	0.4194
0.41265	-0.1457	0.00159	-0.02689	0.56214
0.10824	-0.05916	0.20187	-0.24439	8.87E-08
1.20E-20	0.133498	0.00385	-0.0287	0.53619
0.00568	-0.13006	0.00488	0.099662	0.03129
0.00254	-0.06335	0.17173	-0.05617	0.22571
0.86712	-0.09576	0.03859	-0.28965	1.77E-10
9.30E-07	-0.13563	0.00332	0.178434	0.00011
0.77528	-0.06245	0.17792	0.00432	0.92581
0.05359	-0.04375	0.34545	0.006118	0.89509
0.08039	0.023556	0.61163	-0.18955	3.74E-05
1.20E-06	-0.12093	0.0089	0.16203	0.00044
0.0079	-0.20989	4.77E-06	0.101851	0.02775
0.00131	-0.04463	0.33583	-0.03439	0.45846
0.17811	-0.11674	0.01158	-0.07131	0.12385
0.00685	-0.18773	4.46E-05	-0.02687	0.56251
0.11192	-0.15281	0.00092	0.048637	0.29424
1.52E-06	-0.15373	0.00086	0.285975	3.07E-10
0.58672	-0.08645	0.06195	-0.17053	0.00021
0.02164	-0.14333	0.0019	-0.06358	0.17017
0.06024	-0.16875	0.00025	0.005737	0.9016
0.60038	-0.10956	0.01786	0.106609	0.02121
0.09507	-0.15135	0.00104	-0.03267	0.48129
0.67816	-0.1428	0.00198	-0.25037	4.16E-08
1.04E-07	-0.04353	0.34792	-0.49268	6.27E-30
0.9186	-0.12947	0.00508	-0.01651	0.72202
0.20156	-0.17075	0.00021	-0.10917	0.01828
0.08408	-0.18927	3.85E-05	-0.07415	0.10951
0.07629	-0.15502	0.00078	-0.12896	0.00525
3.81E-07	-0.06618	0.15331	0.0867	0.06119
0.0005	-0.10346	0.02536	-0.37096	1.11E-16

7.80E-06	-0.00874	0.85051	-0.06058	0.19127
0.62653	-0.1612	0.00047	0.031542	0.49653
0.1151	-0.15152	0.00102	0.115557	0.01246
0.05208	-0.09822	0.03383	0.036596	0.43012
5.02E-05	-0.07957	0.08585	0.11751	0.01104
0.81105	-0.03825	0.40951	-0.21668	2.29E-06
0.06103	-0.0903	0.05116	0.001506	0.97411
0.00011	-0.10755	0.02008	0.052101	0.26116
0.01487	0.029866	0.51969	-0.19982	1.36E-05
0.05127	-0.08228	0.07568	-0.16105	0.00048
0.01366	-0.06087	0.18915	-0.273	2.00E-09
0.38654	-0.19103	3.25E-05	-0.11214	0.01533
0.11003	-0.04204	0.36475	0.005919	0.89849
0.12293	-0.02037	0.66066	-0.11489	0.01298
0.64166	-0.07007	0.13052	-0.30177	2.74E-11
0.58685	-0.18887	4.00E-05	-0.27562	1.38E-09
0.00278	-0.08462	0.06769	-0.05091	0.27227
0.25258	-0.01437	0.75684	-0.14327	0.00191
0.02669	-0.13526	0.0034	0.13192	0.00429
0.01382	-0.20793	5.87E-06	0.206876	6.56E-06
1.87E-06	-0.10837	0.01915	0.146457	0.00151
0.1149	-0.15703	0.00066	-0.2302	4.93E-07
0.07822	-0.12564	0.00656	-0.19905	1.47E-05
6.43E-05	-0.06734	0.14622	0.112238	0.01524
0.00337	-0.10072	0.02953	-0.048	0.30065
0.29322	-0.11231	0.01517	-0.22716	7.02E-07
0.00023	-0.10745	0.0202	-0.04995	0.28144
0.43477	-0.15017	0.00113	0.021567	0.64202
0.00015	-0.08995	0.05206	-0.01973	0.67071
0.08388	-0.14712	0.00143	-0.02853	0.53852
0.30228	-0.08294	0.07336	-0.02597	0.57558
0.34238	-0.08359	0.07113	-0.19285	2.72E-05
0.00049	-0.18378	6.47E-05	0.075195	0.10461
1.43E-05	-0.03547	0.44444	0.091743	0.04754
0.00433	-0.09605	0.03799	-0.02041	0.65999
0.00067	-0.10003	0.03068	-0.0071	0.87843
0.11878	-0.18123	8.20E-05	0.218485	1.87E-06
0.36957	0.005977	0.89749	0.090696	0.05014
0.1167	-0.0244	0.59886	-0.13267	0.00408
0.28612	-0.05982	0.19689	0.091321	0.04858
0.2388	-0.05314	0.25178	-0.05793	0.21145
0.97986	0.017303	0.70919	0.085361	0.06532
0.75529	0.017712	0.70264	-0.01157	0.80299
0.88645	-0.02293	0.62119	-0.01683	0.71677
0.92807	0.050132	0.27964	-0.05912	0.20218

0.43101	-0.0263	0.57073	0.041611	0.36962
0.76728	0.093621	0.04316	-0.06324	0.17243
0.8933	0.016864	0.71625	0.01334	0.77372
0.15472	0.062001	0.18104	-0.02643	0.56888
0.24884	0.061291	0.1861	0.005963	0.89774
0.44963	0.064848	0.16178	-0.01629	0.72557
0.15026	-0.047	0.31083	-0.00936	0.84016
0.15811	0.043297	0.35052	0.039333	0.39642
0.98566	0.049159	0.28908	-0.05207	0.26141
0.55482	0.025897	0.57668	0.098739	0.0329
0.01484	-0.04075	0.37962	-0.0738	0.11122
0.21726	0.011962	0.79655	-0.01918	0.67932
0.93662	0.02552	0.58225	0.18295	6.99E-05
0.06745	0.000213	0.99634	0.165606	0.00033
0.26484	-0.04609	0.3203	0.095385	0.03936
0.91496	0.023793	0.60805	0.114058	0.01365
0.47	-0.03971	0.39192	0.070227	0.12966
0.43436	0.055575	0.23065	-0.08721	0.05967
0.48235	0.031038	0.50344	0.018829	0.68485
0.74248	0.053727	0.24654	-0.04899	0.29074
0.34088	0.004184	0.92815	0.053946	0.24463
0.61625	-0.0414	0.3721	0.022912	0.62139
0.78308	-0.00909	0.84469	-0.04476	0.33446
0.9785	0.031055	0.50319	-0.01668	0.71921
0.93909	0.028291	0.54196	-0.02365	0.61016
0.84979	0.020294	0.66181	-0.01696	0.71477
0.74029	0.0351	0.44921	-0.00985	0.83191
0.98473	0.010736	0.81701	0.024512	0.59724
0.9499	0.041417	0.37185	-0.04394	0.34337
0.65862	0.039061	0.39969	-0.00683	0.88296
0.28994	-0.0155	0.73831	0.02682	0.56317
0.10307	0.027956	0.54675	0.020646	0.65631
0.34129	0.005586	0.90417	-0.05352	0.24841
0.16623	-0.01055	0.82012	-0.13115	0.00453
0.25874	0.05191	0.26291	0.142131	0.00208
0.63647	0.008621	0.8526	-0.00194	0.96669
0.48042	0.015592	0.73683	0.012249	0.79177
0.53339	0.017097	0.7125	-0.02666	0.56545
0.45922	0.00647	0.88909	-0.02686	0.56257
0.45079	0.012246	0.79183	-0.02444	0.59839
0.642	0.02498	0.59026	-0.02589	0.57672
0.21604	0.014001	0.76282	-0.01374	0.76715
0.04877	-0.05075	0.27374	-0.06418	0.16619
0.1327	-0.01432	0.75754	-0.05058	0.27537
0.01823	-0.0796	0.08573	-0.08473	0.06735

0.80018	0.001636	0.97188	-0.05325	0.25075
0.24412	0.007917	0.86451	0.055476	0.23148
0.76794	-0.0225	0.62761	0.121855	0.00839
0.99009	0.036953	0.42563	-0.06217	0.17989
0.50674	0.029433	0.52576	-0.06261	0.17676
0.81423	0.04905	0.29016	-0.05669	0.22143
0.26743	0.014469	0.75514	0.052316	0.25919
0.43042	0.020083	0.6651	-0.01196	0.79656
0.44844	0.025292	0.58562	0.031114	0.50239
0.0651	-0.06745	0.14557	0.033164	0.47464
0.97839	0.031851	0.49231	-0.03746	0.41934
0.06325	-0.00735	0.87418	0.034939	0.4513
0.27529	0.004746	0.91852	0.00894	0.84722
0.22624	-0.07494	0.10577	0.116491	0.01176
0.60422	0.01904	0.68152	-0.0124	0.78932
0.69446	0.03439	0.45844	0.112238	0.01524
0.40776	-0.00349	0.94009	0.05475	0.23765
0.0877	-0.06513	0.15999	0.014425	0.75586
0.47728	-0.01816	0.6955	0.053452	0.24898
0.00783	0.113984	0.01371	-0.186	5.25E-05
3.28E-11	0.022142	0.63317	-0.24547	7.75E-08
0.00069	0.103533	0.02526	-0.3316	1.90E-13
8.04E-06	-0.02447	0.59791	-0.05688	0.21991
0.0021	0.11101	0.0164	-0.13546	0.00336
0.003	0.091568	0.04797	-0.17801	0.00011
0.82267	0.156443	0.00069	0.009124	0.8441
0.03715	0.187395	4.60E-05	-0.30742	1.12E-11
4.70E-08	0.017379	0.70797	-0.1886	4.10E-05
4.96E-05	0.04765	0.30416	-0.09881	0.03278
0.00026	-0.01725	0.71004	-0.40264	1.25E-19
0.00126	0.125431	0.00665	-0.18509	5.72E-05
0.00011	0.111315	0.0161	-0.25415	2.56E-08
1.30E-12	0.069609	0.13308	-0.22932	5.46E-07
1.83E-06	0.006161	0.89437	-0.31862	1.77E-12
2.39E-09	-0.0233	0.61543	-0.25454	2.43E-08
1.10E-06	-0.03042	0.51199	-0.11423	0.01351
2.78E-05	0.18423	6.20E-05	-0.29818	4.81E-11
1.22E-06	0.122219	0.00819	-0.31873	1.74E-12
4.74E-07	0.01504	0.74582	-0.21537	2.64E-06
6.13E-08	0.079461	0.08629	-0.23189	4.04E-07
0.00014	-0.04361	0.34706	-0.09565	0.0388
0.43407	0.122834	0.00787	-0.07161	0.12226
4.22E-07	-0.0224	0.62916	-0.19356	2.54E-05
8.73E-05	0.149694	0.00118	-0.21135	4.08E-06
0.00044	-0.00589	0.89894	-0.11499	0.0129



3.01E-05	-0.0585	0.20699	0.011167	0.80979
0.00018	0.116496	0.01176	-0.28278	4.91E-10
9.89E-07	0.063082	0.17354	-0.28508	3.50E-10
3.20E-05	0.021644	0.64084	-0.18821	4.26E-05
2.88E-09	0.120364	0.00923	-0.3183	1.87E-12
0.00219	0.202772	1.00E-05	-0.48254	1.31E-28
0.95416	0.171129	0.0002	-0.13486	0.0035
0.01008	0.009778	0.83308	-0.19029	3.49E-05
2.10E-05	0.05338	0.24962	-0.14619	0.00154
0.00011	0.049663	0.28417	-0.27992	7.44E-10
2.36E-05	-0.01062	0.81891	-0.26556	5.59E-09
4.40E-08	0.025377	0.58437	-0.20279	1.00E-05
0.06046	0.130268	0.00481	-0.00328	0.94369
1.90E-06	0.0578	0.21249	-0.28587	3.12E-10
7.51E-05	0.036189	0.43527	-0.31394	3.86E-12
7.82E-06	-0.1148	0.01305	-0.24747	6.02E-08
0.00191	0.050899	0.27234	-0.27827	9.45E-10
1.05E-07	0.025272	0.58592	-0.26953	3.24E-09
0.08882	-0.01789	0.69972	0.03641	0.43247
1.30E-07	0.088331	0.05646	-0.19589	2.01E-05
0.01341	0.150474	0.00111	-0.10492	0.02335
5.87E-06	-0.00756	0.87051	-0.18069	8.62E-05
2.15E-06	0.053865	0.24533	-0.35555	2.31E-15
1.28E-09	0.007258	0.8757	-0.23463	2.92E-07
0.70468	0.070124	0.13023	-0.26954	3.24E-09
0.00144	0.160082	0.00052	-0.20778	5.97E-06
0.0093	0.150881	0.00107	-0.41454	8.07E-21
4.16E-08	0.049214	0.28854	-0.29716	5.64E-11
6.74E-07	0.040885	0.37803	-0.27615	1.28E-09
2.27E-13	-0.02698	0.56086	-0.47033	4.44E-27
0.0003	0.119429	0.00979	-0.41989	2.27E-21
0.09295	0.097208	0.03573	-0.13903	0.0026
0.00015	0.03038	0.51253	-0.10069	0.02958
0.00021	0.005633	0.90337	-0.25623	1.95E-08
7.46E-12	0.050386	0.27721	-0.32618	4.88E-13
2.66E-09	0.104179	0.02436	-0.252	3.38E-08
7.62E-08	-0.001	0.98283	-0.13737	0.00293
0.00076	0.083407	0.07174	-0.22722	6.97E-07
6.69E-06	0.063283	0.17217	-0.18644	5.04E-05
0.06755	0.260659	1.08E-08	-0.33697	7.30E-14
3.47E-08	0.003701	0.93642	-0.22044	1.51E-06
0.00013	0.134566	0.00357	-0.3972	4.24E-19
1.32E-13	-3.82E-05	0.99934	-0.38588	4.97E-18
2.54E-05	0.124698	0.00697	-0.38414	7.19E-18
6.16E-09	0.040199	0.38609	-0.37069	1.17E-16

6.74E-07	0.11745	0.01108	-0.52977	3.80E-35
4.54E-06	0.060441	0.19229	-0.32491	6.08E-13
3.97E-11	0.027817	0.54876	-0.30665	1.26E-11
4.02E-07	0.093159	0.0442	-0.22774	6.57E-07
0.05759	0.030196	0.51509	0.059712	0.19772
4.02E-05	0.04416	0.34099	-0.23935	1.65E-07
0.00759	0.215576	2.58E-06	-0.47756	5.61E-28
7.16E-07	-0.00034	0.99415	-0.24564	7.58E-08
0.01339	0.128456	0.00543	-0.33234	1.66E-13
0.00246	0.022885	0.6218	-0.24816	5.52E-08
6.96E-08	-0.04682	0.31272	-0.15671	0.00068
5.52E-13	0.022814	0.62289	-0.36242	6.09E-16
0.00024	-0.05314	0.25175	-0.23405	3.13E-07
0.00021	0.023953	0.60563	-0.24985	4.45E-08
1.02E-06	-0.01726	0.7099	-0.22729	6.91E-07
9.40E-05	-0.01874	0.68625	-0.15787	0.00062
2.87E-07	0.019059	0.68122	-0.08242	0.07518
0.00014	0.08925	0.05393	-0.34953	7.26E-15
0.00482	0.057067	0.21835	-0.06788	0.14302
2.61E-08	-0.01783	0.70075	-0.22268	1.17E-06
4.64E-06	-0.05713	0.21784	-0.17594	0.00013
0.00085	0.151199	0.00105	-0.37526	4.60E-17
2.20E-05	0.02505	0.58922	-0.09514	0.03986
2.62E-08	-0.01776	0.70185	-0.30931	8.22E-12
2.65E-06	0.008455	0.8554	-0.18954	3.75E-05
1.30E-17	-0.01025	0.82514	-0.31385	3.91E-12
0.19163	0.140023	0.00242	-0.13976	0.00247
2.24E-05	0.180409	8.84E-05	-0.30473	1.72E-11
1.72E-06	-0.00457	0.92155	-0.13184	0.00432
1.98E-07	0.105688	0.02236	-0.46092	6.10E-26
7.62E-10	-0.04144	0.37159	-0.29445	8.56E-11
1.07E-08	0.030849	0.50604	-0.33095	2.13E-13
0.00567	0.253673	2.72E-08	-0.28342	4.47E-10
5.01E-09	0.129803	0.00496	-0.33855	5.49E-14
0.0003	-0.0328	0.47945	-0.0334	0.47148
3.14E-08	0.030209	0.51491	-0.2584	1.46E-08
1.58E-06	0.071586	0.12239	-0.23125	4.36E-07
8.04E-05	0.186336	5.09E-05	-0.33739	6.77E-14
4.23E-05	0.019177	0.67935	-0.15032	0.00112
0.04001	0.017606	0.70433	-0.11036	0.01704
0.00138	0.139045	0.0026	-0.39457	7.57E-19
1.95E-07	0.122996	0.00779	-0.31893	1.68E-12
3.51E-08	-0.0177	0.70283	-0.28797	2.28E-10
5.94E-09	-0.00417	0.92844	-0.24245	1.13E-07
1.36E-05	0.00283	0.95137	-0.3835	8.25E-18

0.00786	0.194825	2.24E-05	-0.23993	1.54E-07
2.91E-05	0.065847	0.1554	-0.13593	0.00325
0.00557	0.082282	0.07567	-0.18426	6.19E-05
0.00315	0.093172	0.04417	-0.08571	0.06421
0.00082	0.012766	0.78321	0.027275	0.55657
1.38E-08	0.081882	0.07711	-0.25899	1.36E-08
0.39441	0.047026	0.31055	-0.19939	1.42E-05
0.00726	-0.00434	0.92543	-0.28985	1.72E-10
5.09E-07	0.000854	0.98532	-0.05663	0.22186
5.24E-07	0.057533	0.21461	-0.23943	1.64E-07
3.44E-10	0.072352	0.11843	-0.31179	5.49E-12
4.80E-08	0.021559	0.64215	-0.36367	4.76E-16
0.13566	0.084208	0.06905	-0.06469	0.16284
1.52E-05	-0.04336	0.34977	-0.16413	0.00037
3.35E-05	0.012022	0.79554	-0.10755	0.02009
1.91E-09	0.009828	0.83224	-0.03356	0.46943
9.32E-06	0.035893	0.43903	-0.06568	0.15646
3.49E-10	0.104164	0.02438	-0.30312	2.22E-11
2.21E-12	-0.08184	0.07726	-0.36838	1.86E-16
0.74857	-0.02482	0.5926	0.171778	0.00019
0.0203	-0.04167	0.36893	0.416741	4.80E-21
0.00954	-0.14507	0.00167	0.056231	0.22518
0.37529	0.027457	0.55394	0.187568	4.53E-05
0.67574	-0.01841	0.69144	0.135082	0.00345
0.2064	-0.0333	0.47276	0.153396	0.00088
0.18843	0.069787	0.13209	0.157096	0.00066
0.36969	-0.03279	0.47961	0.099928	0.03084
0.47754	-0.0603	0.19335	0.148875	0.00125
0.30726	-0.0677	0.14409	0.135749	0.00329
0.01676	-0.00353	0.93932	0.102882	0.0262
0.39573	-0.10251	0.02674	0.254213	2.54E-08
0.80796	-0.00185	0.96826	0.229625	5.27E-07
0.2023	-0.11897	0.01007	0.129343	0.00512
0.49692	-0.03406	0.46277	0.137298	0.00295
0.41136	-0.02254	0.62714	0.1155	0.0125
0.75685	-0.02707	0.5596	0.332245	1.69E-13
0.61498	-0.01955	0.67348	0.162039	0.00044
0.25416	0.004136	0.92898	0.001483	0.9745
0.03384	0.138775	0.00265	0.236389	2.36E-07
0.99458	0.002984	0.94872	0.082631	0.07443
0.6382	-0.03918	0.3982	0.144158	0.00179
0.94893	-0.0273	0.55617	0.147992	0.00134
0.1135	-0.03377	0.46659	0.160684	0.00049
0.09028	-0.05532	0.23276	0.118399	0.01044
2.81E-06	0.210313	4.56E-06	0.251891	3.43E-08

0.41258	-0.05722	0.21712	0.205855	7.30E-06
0.90387	0.004243	0.92714	0.099532	0.03152
0.00028	-0.12448	0.00707	-0.04219	0.36304
0.24529	-0.0065	0.88851	0.226136	7.90E-07
0.50265	-0.03551	0.4439	0.14106	0.00225
0.3503	-0.00512	0.9121	0.175506	0.00014
0.93151	-0.11707	0.01134	0.205137	7.87E-06
0.20761	0.006808	0.88335	0.133185	0.00394
0.4297	0.234947	2.81E-07	0.040964	0.37711
0.7751	-0.13016	0.00484	0.383709	7.89E-18
0.01294	-0.15873	0.00058	0.096249	0.0376
0.96302	-0.00256	0.95592	0.273705	1.81E-09
0.14194	-0.00011	0.99805	0.244609	8.63E-08
0.33186	0.041842	0.36696	0.213877	3.11E-06
0.39062	0.008042	0.86239	0.148819	0.00126
0.35434	-0.03284	0.47901	0.212655	3.55E-06
0.54037	-0.01325	0.77521	0.2539	2.64E-08
0.33978	-0.10392	0.02471	0.447869	2.03E-24
0.64262	-0.01576	0.7341	0.096355	0.03739
0.24021	-0.00373	0.93586	0.313819	3.93E-12
0.93959	0.010095	0.82775	0.086634	0.06139
0.27221	-0.05526	0.23335	0.158269	0.0006
0.21054	-0.03841	0.40758	0.034932	0.4514
0.2229	0.104376	0.02409	0.065512	0.15752
0.62821	-0.01756	0.70503	0.161227	0.00047
0.17352	-0.0019	0.96726	0.361359	7.50E-16
0.56549	-0.03384	0.46566	0.13095	0.00459
0.02431	0.068123	0.14158	0.313635	4.05E-12
0.35296	0.031298	0.49986	0.11921	0.00992
0.11239	0.050944	0.27191	0.227766	6.54E-07
0.07348	-0.08472	0.06736	0.292529	1.15E-10
0.00392	0.083462	0.07155	0.20172	1.12E-05
0.75757	-0.01785	0.70036	0.244244	9.03E-08
0.99747	-0.05682	0.22038	0.16187	0.00044
0.20436	-0.03593	0.43861	0.181372	8.09E-05
0.24892	-0.0234	0.61398	0.218008	1.98E-06
0.41393	0.060983	0.18833	0.018414	0.69144
0.29381	-0.02348	0.61273	0.187095	4.74E-05
0.85997	-0.08413	0.06931	0.171477	0.0002
0.23224	-0.05587	0.22817	0.403468	1.04E-19
0.91268	-0.02823	0.54277	0.165595	0.00033
0.6665	0.003167	0.94559	0.121755	0.00844
0.2186	0.060324	0.19316	0.143949	0.00182
0.79603	0.045617	0.32529	0.058793	0.20472
0.9943	-0.01616	0.72757	0.141506	0.00218

0.6617	-0.06288	0.17492	0.213999	3.07E-06
0.17348	-0.01502	0.74622	0.173465	0.00017
0.17399	-0.03525	0.44729	0.157955	0.00061
0.14945	-0.09196	0.04701	0.129427	0.00509
0.59609	-0.00788	0.86514	0.191916	2.98E-05
0.21535	0.19592	2.01E-05	0.162902	0.00041
0.26358	-0.02216	0.63291	0.215028	2.74E-06
0.91407	-0.00389	0.93315	0.161316	0.00047
0.4929	-0.0118	0.79918	0.191334	3.15E-05
0.08992	-0.03834	0.40849	0.408399	3.37E-20
0.92894	-0.00992	0.83062	0.302986	2.26E-11
0.86024	-0.06799	0.14234	0.161791	0.00045
0.54019	-0.04883	0.29232	0.294214	8.87E-11
0.33883	-0.04179	0.36757	0.193003	2.68E-05
0.0068	-0.05033	0.27779	0.033699	0.46753
0.78941	0.006974	0.88052	0.10187	0.02772
0.15531	-0.04696	0.31127	0.070914	0.12595
0.28861	-0.05472	0.23793	0.177502	0.00012
0.00258	0.18792	4.38E-05	0.134137	0.00368
0.56648	0.040799	0.37903	0.158324	0.00059
0.22591	0.019878	0.66832	0.217079	2.19E-06
0.0411	-0.07334	0.11346	0.038031	0.41225
0.28143	0.088325	0.05648	0.180065	9.12E-05
0.09083	-0.03521	0.44777	0.420313	2.05E-21
0.85626	0.034284	0.45984	0.122394	0.0081
0.85193	-0.07667	0.09794	0.383545	8.16E-18
0.33648	0.10184	0.02776	0.11128	0.01614
0.77812	-0.04249	0.3596	0.201731	1.12E-05
0.64508	-0.12216	0.00822	0.349515	7.28E-15
0.05272	-0.01704	0.71337	0.332711	1.56E-13
0.33333	-0.0821	0.07631	0.368932	1.67E-16
0.08181	-0.07046	0.12842	0.353157	3.66E-15
0.59557	-0.07373	0.11155	0.200224	1.30E-05
0.55193	0.033018	0.47658	0.12192	0.00835
0.42476	-0.00773	0.86774	0.15837	0.00059
0.22528	-0.05265	0.2562	0.15117	0.00105
0.36605	-0.06391	0.16797	0.214479	2.91E-06
0.15236	-0.01416	0.76027	0.175325	0.00014
0.3561	-0.02752	0.55308	0.22718	7.00E-07
0.4668	0.008159	0.86041	0.122971	0.0078
0.4311	0.071376	0.12349	0.101679	0.02801
0.59329	-0.06897	0.1367	0.186302	5.11E-05
0.71715	0.047043	0.31037	0.21687	2.24E-06
0.8251	0.01454	0.75399	0.150076	0.00114
0.27598	-0.05577	0.229	0.141704	0.00214

0.76872	-0.05163	0.2655	0.174258	0.00015
0.02117	0.056942	0.21936	0.220133	1.56E-06
0.00178	0.043633	0.34679	0.194684	2.27E-05
0.28211	-0.13447	0.0036	0.417514	4.00E-21
0.9665	-0.0851	0.06614	0.255192	2.23E-08
0.51664	-0.0342	0.46094	0.243683	9.69E-08
0.27732	-0.03111	0.5024	0.101365	0.0285
0.27918	-0.03001	0.51766	0.008983	0.84648
3.53E-05	-0.00825	0.85893	-0.12226	0.00817
0.95489	-0.07119	0.12448	0.241178	1.32E-07
0.19858	-0.05235	0.2589	0.104636	0.02374
0.98202	-0.04589	0.32238	0.160268	0.00051
0.66186	-0.04549	0.3266	0.157896	0.00062
0.92202	-0.03718	0.42279	0.179953	9.22E-05
0.43019	-0.01076	0.81667	0.130726	0.00466
0.47851	-0.0517	0.26486	0.102642	0.02655
0.52066	-0.00689	0.88188	0.156268	0.0007
6.16E-05	-0.03913	0.39882	0.566722	4.97E-41
0.45056	-0.07794	0.09252	0.277886	9.97E-10
0.54422	-0.06046	0.19214	0.255872	2.04E-08
0.54497	-0.03658	0.43029	0.113205	0.01438
0.4311	0.003666	0.93702	0.169851	0.00023
0.06549	-0.04265	0.35779	0.076784	0.09745
0.30429	-0.0794	0.08652	0.311339	5.91E-12
0.92202	-0.09303	0.04449	0.196674	1.86E-05
0.50059	-0.00222	0.96185	0.313254	4.32E-12
0.67637	0.003287	0.94352	0.175278	0.00014
0.02747	0.106617	0.0212	0.1948	2.24E-05
0.38023	-0.02937	0.52671	0.245451	7.77E-08
0.22417	0.013281	0.7747	0.179693	9.44E-05
0.79965	-0.11702	0.01138	0.17686	0.00012
0.02371	-0.02332	0.61514	-0.08393	0.06998
0.97498	-0.00397	0.9318	0.111528	0.0159
0.13522	-0.07056	0.12784	0.081725	0.07768
0.39644	-0.06142	0.18517	0.171168	0.0002
0.54035	-0.05522	0.23362	0.234405	3.00E-07
0.18644	0.132583	0.0041	0.075638	0.10257
0.22917	0.059257	0.20116	-0.00272	0.95331
0.28991	-0.08178	0.07748	0.142663	0.002
0.3996	-0.04877	0.29296	0.292301	1.19E-10
0.16547	-0.02001	0.66623	0.14645	0.00151
0.69024	-0.05049	0.27617	0.12753	0.00578
0.34691	-0.10641	0.02146	0.187977	4.35E-05
0.90517	0.040556	0.38188	0.062317	0.17883
0.22822	0.001602	0.97246	0.190264	3.50E-05

0.68916	-0.05474	0.23776	0.269898	3.08E-09
0.87791	-0.03825	0.40951	0.260075	1.17E-08
0.47745	0.021055	0.64994	0.112784	0.01475
0.42567	0.010551	0.82011	0.052364	0.25876
0.01377	-0.01463	0.75245	0.035337	0.44616
0.96828	-0.04018	0.38629	0.210929	4.27E-06
0.37732	0.008217	0.85944	0.154736	0.00079
0.086	0.004113	0.92937	0.338685	5.36E-14
0.57321	-0.03941	0.39552	0.130911	0.0046
0.5153	-0.02068	0.6558	0.177071	0.00012
0.16589	-0.04226	0.36214	0.354927	2.61E-15
0.5179	0.008129	0.86092	0.149476	0.0012
0.40227	0.01211	0.79409	0.142502	0.00202
0.50016	0.025456	0.5832	0.17406	0.00016
0.88687	-0.06624	0.15293	0.170726	0.00021
0.06646	-0.08615	0.06287	0.201366	1.16E-05
0.47204	-0.10243	0.02687	0.165573	0.00033
0.40338	0.013383	0.773	0.116374	0.01185
0.14337	-0.05033	0.27771	0.349046	7.95E-15
0.1218	-0.02994	0.51867	0.214464	2.92E-06
0.95539	0.034731	0.454	0.183007	6.95E-05
0.08734	-0.0277	0.55044	0.155618	0.00074
0.02793	0.037049	0.42442	0.062647	0.17653
0.81168	0.047518	0.3055	0.115395	0.01258
0.07173	0.029764	0.52112	0.08769	0.05828
0.81694	-0.05371	0.24669	0.24673	6.62E-08
0.41615	-0.06432	0.16526	0.152523	0.00094
0.29334	-0.13157	0.0044	0.186709	4.91E-05
0.16293	0.003358	0.94231	0.205952	7.23E-06
0.00442	-0.01001	0.82926	0.350109	6.51E-15
0.01969	-0.01908	0.68092	-0.03541	0.44521
0.02118	-0.0819	0.07705	0.30921	8.36E-12
0.64881	-0.03781	0.41496	0.16678	0.00029
0.37472	-0.05491	0.23627	0.187054	4.75E-05
0.07085	0.006111	0.89522	0.04204	0.36469
0.69837	-0.10759	0.02004	0.197213	1.77E-05
1	-0.05618	0.2256	0.16484	0.00035
2.37E-22	0.252967	2.98E-08	0.329667	2.66E-13
8.29E-09	0.15382	0.00085	0.307151	1.17E-11
1.93E-12	0.163238	0.0004	0.271729	2.39E-09
0.9774	-0.10631	0.02158	0.221776	1.30E-06
0.45171	0.005717	0.90194	0.069975	0.13105
0.19485	-0.04354	0.34785	0.132429	0.00415
0.01145	-0.05194	0.26261	0.435793	4.55E-23
0.11649	-0.07537	0.10379	0.088628	0.05563

0.06381	-0.05624	0.22515	0.159151	0.00056
0.02403	-0.05317	0.25153	0.052176	0.26047
0.04793	-0.02478	0.59319	0.157581	0.00063
0.02146	0.017586	0.70465	0.273757	1.79E-09
0.75131	-0.01049	0.82116	0.160827	0.00048
0.32775	-0.01512	0.74456	0.146478	0.0015
0.7648	0.108301	0.01923	0.130875	0.00461
0.00863	0.009771	0.8332	0.079146	0.08755
0.5851	-0.13512	0.00344	0.271617	2.42E-09
0.11631	-0.08904	0.05449	0.214218	2.99E-06
0.41863	-0.13007	0.00488	0.365929	3.04E-16
0.44232	-0.0383	0.40899	0.371452	1.00E-16
0.11149	-0.01251	0.78752	0.138343	0.00274
0.71554	0.056707	0.22128	0.101541	0.02823
0.32274	0.100776	0.02944	0.101302	0.0286
0.52214	-0.06743	0.1457	0.230624	4.69E-07
0.97781	0.013548	0.77028	0.019266	0.67795
0.75199	0.04313	0.35238	0.057667	0.21354
0.12377	0.002162	0.96284	0.121145	0.00878
0.23742	-0.00934	0.84038	0.204362	8.53E-06
0.29875	-0.0152	0.74323	0.197018	1.80E-05
0.27798	-0.03295	0.47755	0.180326	8.91E-05
0.43264	-0.01691	0.71544	0.193429	2.57E-05
0.17739	-0.03414	0.46176	0.145083	0.00167
0.23216	-0.02376	0.60848	0.158904	0.00057
0.03674	-0.05604	0.22673	0.15543	0.00075
0.72237	-0.02889	0.53337	0.205588	7.51E-06
0.45465	-0.08231	0.07557	0.168549	0.00025
0.06453	-0.02564	0.58043	0.094081	0.04214
0.50366	0.006912	0.88157	0.116344	0.01187
0.75827	0.001381	0.97625	0.119228	0.00991
0.47407	0.006593	0.887	0.175986	0.00013
0.24779	0.080885	0.08079	0.206463	6.85E-06
0.40966	0.001602	0.97246	0.119322	0.00985
0.68867	0.048034	0.30028	0.106392	0.02148
0.78325	0.025175	0.58736	0.128593	0.00539
0.42296	0.010533	0.82042	0.180285	8.94E-05
0.36552	-0.02793	0.54717	0.111354	0.01607
0.31458	-0.06492	0.1613	0.057537	0.21457
0.41869	0.02357	0.61141	0.095468	0.03918
0.23718	-0.06271	0.17607	0.017405	0.70755
0.23962	-0.08803	0.0573	0.197329	1.75E-05
0.82442	0.004874	0.91635	0.126244	0.0063
0.14465	0.032847	0.47887	0.152116	0.00097
0.2989	-0.03497	0.45088	0.119698	0.00962



0.74721	-0.04355	0.3477	0.170466	0.00021
0.16914	-0.07898	0.08823	0.124171	0.00722
0.05227	-0.08801	0.05736	-0.00125	0.97843
0.85572	-0.12361	0.00749	0.287257	2.54E-10
0.05797	-0.0728	0.11618	0.060899	0.18894
0.59794	0.010162	0.82664	0.143813	0.00184
0.88599	-0.00398	0.93166	0.251002	3.84E-08
0.21135	-0.03224	0.487	0.164293	0.00036
0.20533	-0.0239	0.60645	0.119404	0.0098
0.32256	0.017831	0.70074	0.138635	0.00268
0.48612	-0.03928	0.39708	0.046722	0.31369
0.88351	-0.03612	0.43617	0.154413	0.00081
0.39952	-0.03235	0.48552	0.130216	0.00483
0.96005	-0.01131	0.80737	0.165562	0.00033
0.23605	-0.00298	0.94882	0.206318	6.95E-06
0.61884	0.11712	0.01131	0.119008	0.01005
0.63929	0.073921	0.11063	0.06245	0.1779
0.1449	-0.14143	0.00219	0.159879	0.00052
0.25002	-0.01288	0.78134	0.253615	2.74E-08
0.0694	-0.07728	0.09531	0.236731	2.27E-07
0.95617	0.050263	0.27838	0.142963	0.00195
0.73899	-0.0711	0.12498	0.289995	1.68E-10
0.86778	-0.11635	0.01187	0.207773	5.97E-06
0.13974	-0.04336	0.34976	0.183197	6.83E-05
0.52357	-0.06026	0.1936	0.134294	0.00364
0.20657	0.068503	0.13937	0.079143	0.08756
0.38858	-0.01257	0.78647	0.129718	0.00499
0.93714	-0.05175	0.26435	0.403477	1.04E-19
0.70093	-0.01268	0.78456	0.143153	0.00193
0.71995	-0.04549	0.32668	0.201398	1.16E-05
0.68449	-0.02829	0.54201	0.21825	1.92E-06
0.18376	-0.12387	0.00736	0.34612	1.37E-14
0.01363	-0.06781	0.14346	0.244835	8.39E-08
0.05117	-0.04935	0.28719	-0.05237	0.25873
0.51275	0.001411	0.97573	0.170266	0.00022
0.89447	-0.02007	0.66532	0.155116	0.00077
0.56449	-0.01681	0.7171	0.227283	6.92E-07
0.04684	-0.06208	0.18052	0.084037	0.06962
0.43475	-0.01455	0.75388	0.17851	0.00011
0.94265	0.042622	0.35809	0.155499	0.00075
0.34518	0.029745	0.52139	0.10946	0.01797
0.00774	0.071532	0.12267	0.201795	1.11E-05
0.36933	-0.01505	0.74561	0.136623	0.00309
0.22814	-0.03299	0.47693	0.134048	0.00371
0.49311	-0.04854	0.29519	0.282076	5.44E-10

0.34231	-0.0311	0.50254	0.233032	3.53E-07
0.93467	-0.03962	0.393	0.396683	4.75E-19
0.67814	0.062996	0.17413	0.13578	0.00328
1.04E-07	0.023841	0.60732	0.581341	1.44E-43
0.31925	-0.05609	0.22632	0.335426	9.62E-14
0.7209	-0.00648	0.88885	0.147526	0.00139
0.58896	-0.03377	0.46657	0.230944	4.52E-07
0.09154	-0.01869	0.68705	0.107533	0.02011
0.60665	-0.037	0.42507	0.18204	7.61E-05
0.53971	-0.01664	0.71988	0.140494	0.00234
0.0432	-0.07644	0.09898	0.111527	0.0159
0.00623	0.015935	0.73125	0.265913	5.33E-09
0.07633	0.025023	0.58962	0.32566	5.34E-13
0.24837	-0.05902	0.20301	0.131229	0.0045
0.92224	-0.01615	0.72784	0.253479	2.79E-08
0.67925	-0.09229	0.04623	0.172833	0.00017
0.84276	-0.09641	0.03728	0.188548	4.12E-05
0.2746	-0.02402	0.60466	0.203756	9.08E-06
0.14014	-0.03067	0.50844	0.144286	0.00177
0.4498	-0.0649	0.16145	0.170117	0.00022
0.32964	-0.04299	0.35394	0.16778	0.00027
0.50864	-0.07867	0.08946	0.234559	2.94E-07
0.06684	-0.06246	0.1778	0.165965	0.00032
0.2591	-0.03048	0.51113	0.114425	0.01335
0.70227	-0.0361	0.43634	0.121548	0.00855
0.21018	-0.0555	0.2313	0.138024	0.0028
0.29562	-0.02125	0.647	0.195327	2.13E-05
0.86598	-0.0479	0.30164	0.131292	0.00448
0.36295	-0.00277	0.95246	0.137895	0.00282
0.57537	-0.0364	0.43255	0.198315	1.58E-05
0.38613	-0.01653	0.72163	0.166622	0.0003
0.51649	-0.0135	0.77111	0.152826	0.00092
0.49455	-0.00942	0.83907	0.144434	0.00175
0.63087	-0.02741	0.55466	0.121059	0.00883
0.71478	-0.03372	0.46727	0.123313	0.00763
0.53388	0.042366	0.36098	0.132824	0.00404
0.19723	-0.0462	0.31915	0.125829	0.00647
0.82837	-0.04741	0.30662	0.180475	8.79E-05
0.37313	-0.01597	0.73076	0.134585	0.00357
0.17862	-0.07642	0.09907	0.150559	0.0011
0.12268	-0.01417	0.75998	0.132536	0.00412
0.27695	-0.04375	0.34552	0.150223	0.00113
0.03637	-0.07568	0.10239	0.2034	9.42E-06
0.52781	-0.06059	0.1912	0.15706	0.00066
0.10592	-0.01291	0.78074	0.158167	0.0006

0.34496	-0.01011	0.82757	0.085308	0.06548
0.92811	-0.02975	0.52133	0.214334	2.96E-06
0.21585	-0.03875	0.40347	0.145387	0.00163
0.06782	-0.03604	0.43712	0.154371	0.00082
0.14386	-0.04465	0.33571	0.116071	0.01207
0.41546	-0.01964	0.672	0.122685	0.00795
0.27788	-0.03674	0.42831	0.195115	2.18E-05
0.26825	-0.04529	0.3288	0.4075	4.15E-20
0.45157	0.011747	0.80012	0.316157	2.67E-12
0.75557	-0.05156	0.26615	0.099707	0.03122
0.373	-0.06271	0.17608	0.1196	0.00968
0.57553	-0.03622	0.43491	0.211539	4.00E-06
0.58728	-0.00684	0.88279	0.135617	0.00332
0.41094	-0.02656	0.56698	0.143699	0.00185
0.0928	-0.04783	0.30234	0.125003	0.00684
0.61219	-0.01573	0.73464	0.147527	0.00139
0.19773	-0.01948	0.67459	0.145196	0.00166
0.23958	-0.06059	0.19117	0.117672	0.01093
0.14473	-0.02269	0.62472	0.135435	0.00336
0.1504	-0.02527	0.58595	0.168663	0.00025
0.86696	-0.04002	0.38817	0.209656	4.89E-06
0.52781	-0.04119	0.37452	0.1554	0.00075
0.87151	-0.02397	0.60537	0.09279	0.04505
0.91403	-0.03306	0.47599	0.186263	5.12E-05
0.6238	-0.00504	0.91344	0.131554	0.0044
0.3145	-0.04327	0.35079	0.166936	0.00029
0.24246	-0.04974	0.28337	0.208223	5.69E-06
0.1549	-0.01204	0.79518	0.151931	0.00099
0.21623	-0.02737	0.55517	0.177335	0.00012
0.27169	-0.03721	0.42244	0.109659	0.01776
0.07127	-0.02112	0.64894	0.135164	0.00343
0.82079	-0.05466	0.23843	0.189248	3.86E-05
0.22127	-0.03637	0.43294	0.115314	0.01265
0.30293	-0.03743	0.41973	0.155813	0.00073
0.90813	-0.0363	0.43381	0.141611	0.00216
0.57978	-0.03688	0.42655	0.124134	0.00724
0.12959	-0.05662	0.22202	0.125853	0.00646
0.38768	-0.07352	0.1126	0.042881	0.35517
0.22381	-0.02384	0.60734	0.165187	0.00034
0.21077	-0.01551	0.73813	0.168318	0.00026
0.49457	-0.05059	0.27527	0.083607	0.07106
0.24775	-0.03057	0.50993	0.160193	0.00051
0.11455	-0.02878	0.53492	0.110616	0.01679
0.28016	-0.02078	0.65425	0.146212	0.00153
0.71121	-0.05197	0.26232	0.117309	0.01118

0.61587	-0.07289	0.1157	0.16122	0.00047
0.09765	-0.02664	0.56584	0.091127	0.04906
0.75561	-0.08022	0.08334	0.228116	6.28E-07
0.54583	-0.08551	0.06485	0.241554	1.26E-07
0.77874	-0.00433	0.92559	0.151289	0.00104
0.85835	0.013816	0.76587	0.118153	0.01061
0.58428	-0.0246	0.59594	0.098324	0.03365
0.04379	-0.01032	0.82405	0.120748	0.009
0.37677	-0.06302	0.17395	0.189286	3.84E-05
0.5379	-0.05624	0.22512	0.089065	0.05443
0.78247	-0.00924	0.84209	0.17279	0.00018
0.51892	-0.00671	0.88497	0.215376	2.64E-06
0.61518	-0.04468	0.33531	0.136023	0.00323
0.40114	-0.03923	0.39766	0.198086	1.62E-05
0.05076	-0.10412	0.02444	0.081984	0.07674
0.17161	-0.03442	0.45804	0.174609	0.00015
0.35632	0.00322	0.94468	0.101059	0.02899
0.5764	-0.01824	0.69424	0.1776	0.00011
0.14258	-0.0872	0.0597	0.147612	0.00138
0.87928	-0.02465	0.59512	0.208147	5.74E-06
0.2578	-0.03849	0.40661	0.170833	0.00021
0.16848	-0.07681	0.09735	0.205455	7.61E-06
0.92598	-0.00113	0.98065	0.18207	7.59E-05
0.41664	0.015584	0.73695	0.127766	0.00569
0.23241	-0.04922	0.28846	0.088296	0.05656
0.15124	-0.08116	0.07975	0.182269	7.45E-05
0.21398	-0.04117	0.37477	0.077991	0.09229
0.3234	-0.02552	0.58223	0.111992	0.01546
0.99518	0.027993	0.54622	0.102606	0.02661
0.0813	-0.09908	0.0323	0.172105	0.00019
0.82911	-0.05582	0.22861	0.203525	9.30E-06
0.28781	-0.02274	0.62398	0.162417	0.00043
0.13377	-0.00992	0.83078	0.144851	0.0017
0.29188	-0.12279	0.0079	0.25903	1.35E-08
0.05639	-0.08436	0.06854	0.235038	2.78E-07
0.91955	0.005129	0.91197	0.210474	4.48E-06
0.72774	-0.01035	0.82351	0.194642	2.28E-05
0.42361	-0.092	0.04692	0.196889	1.82E-05
0.11217	0.060678	0.19055	0.327948	3.59E-13
0.1112	-0.03675	0.42822	0.207438	6.18E-06
0.70433	-0.10941	0.01803	-0.01599	0.73043
0.8645	-0.02075	0.65473	0.191002	3.26E-05
0.90439	0.058658	0.20577	0.238067	1.93E-07
0.93462	-0.01226	0.79166	0.235663	2.58E-07
0.47847	-0.00085	0.98546	0.185757	5.38E-05

0.90726	0.028995	0.53195	0.131398	0.00445
0.74622	-0.03549	0.44418	0.225859	8.15E-07
0.03041	0.033227	0.4738	0.204079	8.78E-06
0.46881	-0.03149	0.49724	0.123037	0.00777
0.68979	-0.05748	0.21501	0.15525	0.00076
0.77235	-0.07709	0.09614	0.163471	0.00039
0.7292	-0.00547	0.9061	0.079674	0.08545
0.25136	-0.00217	0.96274	0.120356	0.00923
0.21679	0.002433	0.95818	0.193216	2.62E-05
0.808	-0.01894	0.68305	0.186979	4.79E-05
0.14053	-0.04671	0.31383	0.205515	7.56E-06
0.06523	-0.02597	0.57566	0.072689	0.11672
0.62785	-0.03018	0.51535	0.184236	6.20E-05
0.72493	-0.05731	0.2164	0.10295	0.0261
0.28707	-0.03395	0.4642	0.163962	0.00037
0.74997	-0.00017	0.997	0.197421	1.73E-05
0.29764	-0.02737	0.55521	0.181848	7.74E-05
0.2646	-0.04761	0.30455	0.173723	0.00016
0.15688	-0.02125	0.647	0.08588	0.06369
0.27552	-0.01388	0.76488	0.164987	0.00034
0.84679	-0.02008	0.66513	0.143764	0.00184
0.28041	0.000353	0.99392	0.136411	0.00314
0.01728	0.072821	0.11606	0.120136	0.00936
0.37092	-0.01646	0.72283	0.098175	0.03392
0.10726	-0.1053	0.02286	0.120859	0.00894
0.57903	-0.05537	0.23234	0.19104	3.24E-05
0.31825	0.003936	0.93239	0.167542	0.00028
0.33416	0.017476	0.70642	0.164253	0.00036
0.09361	-0.07798	0.09235	-0.00661	0.88674
0.18815	-0.00062	0.98934	0.093529	0.04336
0.00522	-0.00089	0.98463	0.465653	1.65E-26
0.27342	-0.0545	0.23985	0.12456	0.00704
0.19624	-0.03314	0.47492	0.168274	0.00026
0.02236	0.083513	0.07138	0.180111	9.08E-05
0.57913	-0.00983	0.83226	0.130668	0.00468
0.52028	-0.0446	0.33617	0.168852	0.00025
0.64394	0.006135	0.89481	0.116243	0.01194
0.64396	-0.04839	0.29666	0.107104	0.02061
0.3236	-0.05302	0.25284	0.270644	2.78E-09
0.19892	-0.01673	0.71835	0.250574	4.06E-08
0.21566	-0.06403	0.16715	0.1967	1.86E-05
0.13462	-0.04402	0.34248	0.15849	0.00059
0.45816	-0.012	0.79589	0.030163	0.51554
0.18629	-0.0404	0.38367	0.15275	0.00093
0.30927	-0.03636	0.43313	0.067848	0.1432

0.40145	0.003843	0.93399	0.094828	0.04052
0.93236	-0.06627	0.15274	0.345852	1.44E-14
0.20028	-0.0845	0.06808	0.279849	7.52E-10
0.13238	-0.04897	0.29093	0.147214	0.00142
0.79394	-0.01886	0.68429	0.218425	1.89E-06
0.34613	-0.04951	0.28569	0.113584	0.01405
0.01945	-0.06307	0.1736	0.139675	0.00249
0.30039	-0.12124	0.00872	0.290508	1.56E-10
0.24909	-0.00939	0.83968	0.258761	1.40E-08
0.43957	-0.01851	0.68989	0.156677	0.00068
0.67355	0.020315	0.66147	0.115056	0.01285
0.71583	-0.11344	0.01418	0.316303	2.61E-12
0.87245	-0.0238	0.60801	0.245811	7.43E-08
0.47062	-0.10736	0.02031	0.31181	5.47E-12
0.89261	-0.06164	0.18362	0.232058	3.96E-07
0.63938	0.006473	0.88905	0.132334	0.00417
0.85542	0.099844	0.03098	0.09913	0.03221
0.1135	0.025114	0.58827	0.263062	7.85E-09
0.49004	-0.08891	0.05484	0.192614	2.78E-05
0.21683	-0.01344	0.77201	0.152505	0.00095
0.42914	0.060181	0.19421	0.176153	0.00013
0.47576	-0.07837	0.09073	0.133236	0.00392
0.83287	0.014854	0.74885	0.066645	0.15045
0.48658	0.103371	0.02549	0.043671	0.34636
0.86046	-0.04163	0.36934	0.181752	7.81E-05
0.32818	0.00272	0.95325	0.12732	0.00586
0.31287	0.03563	0.4424	0.18851	4.14E-05
0.75711	-0.00026	0.99555	0.163948	0.00037
0.47961	-0.02371	0.60933	0.202934	9.88E-06
0.83707	-0.03246	0.48409	0.280943	6.42E-10
0.90248	-0.03291	0.47802	0.268252	3.87E-09
0.04483	0.114868	0.013	0.126256	0.00629
0.20292	-0.00273	0.95305	0.186176	5.17E-05
0.54827	-0.08705	0.06015	0.205171	7.84E-06
0.30054	-0.0708	0.12653	0.15011	0.00114
0.56278	0.023451	0.61322	0.232099	3.94E-07
0.04526	-0.07582	0.10174	0.261563	9.61E-09
0.06195	-0.09043	0.05082	0.015593	0.73681
0.42146	-0.00629	0.89213	0.1455	0.00162
0.02607	0.113276	0.01432	0.072725	0.11654
0.5698	-0.00428	0.92649	0.167456	0.00028
0.97291	-0.03039	0.51238	0.139802	0.00246
0.62038	-0.05521	0.23375	0.238423	1.85E-07
0.0781	0.026003	0.57512	0.229625	5.27E-07
0.23267	-0.01369	0.76801	0.163974	0.00037

0.79462	0.014925	0.74769	0.233745	3.24E-07
0.73382	-0.05641	0.22367	0.248774	5.11E-08
0.27327	-0.04702	0.31057	0.172671	0.00018
0.6392	-0.00484	0.91689	0.154284	0.00082
0.5195	-0.00588	0.89912	0.17436	0.00015
0.60069	-0.0038	0.93465	0.182424	7.34E-05
0.8763	-0.10649	0.02136	0.325928	5.10E-13
0.49638	-0.03866	0.40453	0.229659	5.25E-07
0.55344	0.048323	0.29737	0.133444	0.00387
0.13819	-0.01777	0.70176	0.123545	0.00752
0.47585	-0.01021	0.82591	0.17251	0.00018
0.24639	0.018952	0.68291	0.088853	0.05501
0.34943	-0.10678	0.021	0.171283	0.0002
0.80353	-0.06076	0.18994	0.248597	5.22E-08
0.33208	-0.04316	0.352	0.122682	0.00795
0.32272	-0.05423	0.24211	0.311669	5.60E-12
0.07992	-0.11769	0.01092	0.421475	1.55E-21
0.70124	-0.01083	0.81536	0.195684	2.06E-05
0.92551	-0.0596	0.19857	0.174228	0.00015
0.79867	-0.06284	0.17517	0.111167	0.01577
0.42004	-0.03892	0.4014	0.254106	2.57E-08
0.1009	-0.04375	0.34547	0.094016	0.04228
0.66332	-0.11573	0.01232	0.333521	1.35E-13
0.3476	-0.0574	0.21565	0.209844	4.79E-06
0.27221	0.026753	0.56415	0.084207	0.06905
0.46848	-0.05624	0.22511	0.188953	3.97E-05
0.91159	-0.05721	0.21717	0.167905	0.00027
0.86867	-0.03581	0.44012	0.279202	8.25E-10
0.15101	-0.0456	0.32542	0.153446	0.00088
0.38696	0.005897	0.89886	0.175426	0.00014
0.45699	-0.07796	0.09242	0.234324	3.03E-07
0.22247	-0.01745	0.70677	0.130364	0.00478
0.40291	-0.07459	0.10743	0.139185	0.00257
0.59425	-0.08856	0.05581	0.213031	3.41E-06
0.60194	-0.02214	0.63316	0.010324	0.82392
0.60081	-0.07127	0.12404	0.317244	2.23E-12
0.28564	-0.01293	0.78043	0.127842	0.00566
0.3505	0.036152	0.43573	0.204663	8.26E-06
0.83253	-0.00491	0.91572	0.290168	1.64E-10
0.79831	0.035934	0.43851	0.037486	0.41898
0.32012	0.02928	0.52792	0.1111464	0.01596
0.35403	0.005153	0.91157	0.119993	0.00945
0.76453	-0.02935	0.52699	0.174996	0.00014
0.25537	-0.06154	0.1843	0.175017	0.00014
0.49018	-0.0416	0.3697	0.277842	1.00E-09

0.01815	-0.05163	0.26549	0.056113	0.22616
0.12529	0.0522	0.26025	0.240801	1.38E-07
0.31665	0.00984	0.83204	0.156178	0.00071
0.05511	-0.00792	0.86445	0.269509	3.25E-09
0.6632	0.014228	0.75911	0.189689	3.70E-05
0.85276	-0.02301	0.61993	0.140038	0.00242
0.18065	-0.04337	0.34969	0.11367	0.01398
0.92241	-0.02536	0.58464	0.153719	0.00086
0.37017	-0.01956	0.67333	0.190531	3.41E-05
0.31604	-0.0219	0.63686	0.125767	0.0065
0.97125	-0.03418	0.46117	0.181914	7.70E-05
0.74092	-0.12015	0.00935	0.254902	2.32E-08
0.6416	-0.00242	0.95835	0.126535	0.00618
0.46936	-0.09416	0.04197	0.203101	9.71E-06
0.65503	-0.14768	0.00137	0.313628	4.06E-12
0.18433	0.007379	0.87364	0.107473	0.02018
0.96203	-0.06478	0.16224	0.359936	9.90E-16
0.80914	-0.00594	0.89814	0.169362	0.00024
0.61134	-3.83E-05	0.99934	0.11343	0.01418
0.31927	-0.29295	1.07E-10	0.237259	2.13E-07
8.94E-08	-0.09043	0.05081	0.0311	0.50257
1.94E-05	-0.22928	5.49E-07	0.188368	4.19E-05
6.16E-07	-0.1162	0.01198	0.187007	4.78E-05
0.00633	-0.06389	0.16809	-0.01387	0.76493
0.0699	-0.20379	9.05E-06	-0.128	0.0056
0.0012	-0.10241	0.0269	0.203188	9.63E-06
0.00237	-0.19831	1.58E-05	0.200267	1.30E-05
7.78E-05	-0.13779	0.00285	0.111229	0.01619
0.0303	-0.23544	2.65E-07	-0.00615	0.89455
5.13E-07	-0.14245	0.00203	0.214545	2.89E-06
4.12E-09	-0.05261	0.25651	0.300105	3.56E-11
0.00372	-0.24418	9.11E-08	0.20758	6.09E-06
5.07E-06	-0.17144	0.0002	0.219811	1.62E-06
0.00018	-0.06786	0.14313	0.007445	0.87253
0.31535	-0.16439	0.00036	0.011433	0.80536
0.00024	-0.10941	0.01802	-0.06658	0.15087
0.00171	-0.09817	0.03392	0.135577	0.00333
2.18E-10	0.01423	0.75906	0.381237	1.33E-17
0.00056	-0.15802	0.00061	0.218381	1.90E-06
2.06E-09	-0.12107	0.00882	0.158564	0.00058
0.00551	-0.09499	0.04018	0.191804	3.01E-05
0.00026	-0.12753	0.00578	0.033153	0.47478
0.02057	-0.23103	4.47E-07	0.106991	0.02075
4.36E-05	-0.21825	1.92E-06	0.258043	1.54E-08
2.64E-08	-0.00872	0.85089	0.113196	0.01439



0.00453	-0.13611	0.00321	-0.1227	0.00794
1.68E-06	-0.09393	0.04248	0.358607	1.28E-15
8.45E-05	-0.05719	0.21734	0.041467	0.37127
0.00836	-0.07926	0.08709	0.059516	0.1992
0.00248	-0.13479	0.00352	-0.12097	0.00888
2.35E-06	-0.13528	0.0034	0.199384	1.42E-05
0.03726	-0.17544	0.00014	-0.16775	0.00027
2.05E-07	-0.06248	0.17769	-0.04425	0.34002
2.11E-05	-0.14803	0.00134	0.097773	0.03466
0.00014	-0.14024	0.00239	0.268215	3.89E-09
0.0056	-0.14983	0.00116	0.27569	1.36E-09
5.05E-08	-0.05474	0.23778	0.132308	0.00418
0.00214	-0.09458	0.04106	0.010055	0.82843
3.72E-05	-0.22847	6.03E-07	0.159203	0.00055
0.06161	-0.16084	0.00048	-0.11676	0.01157
0.40715	-0.2068	6.61E-06	-0.0424	0.3606
6.22E-08	-0.01852	0.68973	-0.04165	0.36914
2.77E-06	-0.09663	0.03684	0.115819	0.01226
0.01248	-0.2412	1.32E-07	0.136031	0.00322
0.00128	-0.14166	0.00215	0.033042	0.47627
4.18E-08	-0.18269	7.16E-05	0.235013	2.79E-07
1.49E-06	-0.19039	3.45E-05	0.254388	2.48E-08
0.86237	-0.18886	4.00E-05	-0.00255	0.95625
0.00728	-0.20727	6.29E-06	0.213652	3.18E-06
5.99E-05	-0.18447	6.07E-05	0.115598	0.01243
0.3802	-0.21629	2.39E-06	0.078264	0.09115
2.64E-05	-0.19442	2.33E-05	0.138604	0.00268
0.00118	-0.18978	3.66E-05	0.115275	0.01268
5.32E-06	-0.1936	2.53E-05	0.125015	0.00683
1.50E-05	-0.18075	8.57E-05	0.283809	4.22E-10
0.00172	-0.24141	1.28E-07	0.081846	0.07724
0.00268	-0.04736	0.3071	0.14741	0.0014
9.46E-05	-0.25636	1.92E-08	0.240395	1.45E-07
0.79817	-0.26228	8.73E-09	-0.04194	0.36581
0.00132	-0.05901	0.20306	0.013718	0.76749
1.28E-05	-0.08377	0.07052	0.000369	0.99365
0.14647	-0.1294	0.0051	0.199017	1.47E-05
0.02382	-0.22237	1.21E-06	0.0627	0.17616
1.57E-05	-0.18564	5.44E-05	0.163432	0.00039
2.76E-05	-0.17272	0.00018	0.153226	0.00089
2.36E-05	-0.21048	4.48E-06	0.228199	6.22E-07
6.93E-07	-0.15261	0.00094	0.14036	0.00236
0.01927	-0.23737	2.10E-07	0.208755	5.38E-06
0.15316	-0.23017	4.95E-07	0.071153	0.12467
0.27708	-0.15936	0.00055	0.346519	1.27E-14

0.0281	-0.17895	0.0001	0.409702	2.50E-20
2.49E-07	-0.11227	0.01521	0.437153	3.23E-23
0.00024	-0.19876	1.51E-05	0.348953	8.09E-15
0.04756	-0.2173	2.14E-06	0.361548	7.22E-16
0.02401	-0.13344	0.00387	0.083681	0.07081
5.06E-32	0.769556	1.28E-92	-0.09546	0.0392
3.20E-24	0.696295	5.67E-69	-0.09998	0.03075
3.12E-70	0.77827	5.07E-96	-0.08914	0.05423
1.69E-42	0.745892	4.27E-84	-0.22839	6.09E-07
3.72E-61	0.773606	3.50E-94	0.011995	0.796
2.96E-13	0.462916	3.53E-26	-0.11692	0.01145
4.67E-36	0.665285	5.33E-61	-0.13149	0.00442
4.20E-28	0.722579	1.41E-76	-0.14159	0.00216
6.94E-40	0.711975	2.09E-73	-0.05535	0.23256
7.16E-28	0.59008	3.78E-45	0.237303	2.12E-07
4.76E-39	0.645561	2.08E-56	-0.02763	0.55145
5.89E-55	0.791069	#####	0.009765	0.83331
4.04E-19	0.492812	6.03E-30	-0.23335	3.40E-07
9.40E-31	0.856341	#####	-0.08203	0.07656
6.01E-46	0.898064	#####	-0.08012	0.08373
1.21E-34	0.809911	#####	-0.11666	0.01164
1.21E-29	0.834563	#####	-0.11987	0.00952
8.71E-34	0.795411	#####	0.068677	0.13837
5.27E-19	0.676424	9.45E-64	-0.07132	0.12378
1.41E-25	0.59681	2.13E-46	-0.08253	0.0748
2.77E-65	0.789498	#####	0.125837	0.00647
6.26E-41	0.67529	1.82E-63	0.091519	0.04809
0.22748	0.409677	2.51E-20	-0.0458	0.3233
6.60E-34	0.683848	1.18E-65	0.214822	2.80E-06
1.74E-31	0.583334	6.33E-44	0.119153	0.00996
1.04E-32	0.760477	3.12E-89	-0.12084	0.00895
8.27E-13	0.607845	1.63E-48	-0.04412	0.34146
9.98E-34	0.738809	1.00E-81	-0.06751	0.14519
1.92E-32	0.674961	2.21E-63	0.085306	0.06549
7.55E-42	0.886852	#####	-0.09454	0.04113
7.89E-52	0.908485	#####	-0.06405	0.16704
3.63E-24	0.644911	2.91E-56	-0.08973	0.05265
1.82E-69	0.859897	#####	-0.05984	0.19676
2.47E-85	0.81192	#####	0.123107	0.00774
1.79E-22	0.698825	1.14E-69	-0.03657	0.43048
1.02E-22	0.659387	1.37E-59	0.038141	0.41089
1.09E-53	0.671574	1.54E-62	-0.14119	0.00223
6.42E-40	0.772908	6.54E-94	0.053606	0.24762
4.79E-34	0.599067	7.98E-47	-0.02712	0.55881
0.28771	0.105054	0.02318	0.066161	0.15344

0.02887	0.157848	0.00062	-0.21144	4.04E-06
0.68996	0.169119	0.00024	-0.05421	0.24229
2.09E-10	0.257227	1.71E-08	0.219299	1.71E-06
1.79E-06	0.009968	0.8299	0.39428	8.07E-19
0.0113	-0.01187	0.79806	-0.00113	0.98054
0.00179	-0.09803	0.03419	-0.0046	0.92106
0.06623	0.065029	0.16061	0.226416	7.65E-07
0.77219	-0.04257	0.35865	0.277461	1.06E-09
0.07486	0.151659	0.00101	-0.05561	0.23034
0.42918	0.037209	0.42243	0.159616	0.00054
0.90991	0.233339	3.40E-07	-0.02505	0.58926
0.55774	0.069288	0.13488	0.092518	0.04569
0.03693	0.052571	0.25688	-0.05156	0.26612
0.1382	0.039875	0.38993	-0.03196	0.4909
0.12552	0.027844	0.54836	0.055324	0.23277
0.66578	0.05676	0.22084	-0.05975	0.19746
0.43021	0.06444	0.16444	-0.03802	0.41235
0.49293	-0.00545	0.90651	0.129541	0.00505
0.00052	0.009085	0.84476	-0.36264	5.83E-16
0.70825	0.121403	0.00863	-0.00162	0.97209
0.01065	0.054787	0.23734	0.31035	6.94E-12
0.01572	-0.01126	0.80824	-0.03008	0.51664
0.07283	0.070743	0.12687	-0.15078	0.00108
0.85865	0.064964	0.16103	0.028934	0.53281
0.55213	-0.03023	0.51459	0.195865	2.02E-05
0.0225	0.051685	0.26499	-0.27369	1.81E-09
9.05E-05	-0.05652	0.22279	0.002522	0.95665
0.01181	-0.07443	0.10818	0.048396	0.29664
0.00171	-0.04419	0.34067	0.045449	0.32706
0.43175	0.178305	0.00011	0.019459	0.6749
0.5382	0.046328	0.31779	-0.10883	0.01865
0.07704	0.050488	0.27623	0.096302	0.03749
0.24063	0.035813	0.44006	-0.25347	2.79E-08
0.02708	-0.01728	0.70957	-0.07589	0.10142
5.86E-06	0.05521	0.23373	-0.10777	0.01984
0.00467	-0.073	0.11514	-0.01469	0.75152
7.20E-05	-0.07867	0.08947	0.069667	0.13276
1.66E-06	-0.04724	0.30839	-0.19667	1.86E-05
0.00438	0.13741	0.00292	0.13878	0.00265
0.46469	0.010615	0.81904	0.216426	2.35E-06
0.02618	-0.01713	0.7119	-0.00821	0.85961
0.0087	0.117686	0.01092	0.258365	1.47E-08
0.84694	-0.0089	0.84788	0.141931	0.00211
0.59571	0.058448	0.2074	-0.00217	0.96278
2.10E-05	0.04658	0.31517	-0.15557	0.00074

0.73189	0.097089	0.03595	0.005297	0.9091
1.56E-07	-0.03045	0.51159	-0.23167	4.15E-07
0.406	0.116438	0.0118	0.102993	0.02604
0.01163	0.072593	0.1172	0.138622	0.00268
0.98833	0.036309	0.43375	0.02938	0.52651
0.02567	0.083652	0.07091	0.248593	5.23E-08
0.29036	0.012687	0.78452	-0.09622	0.03766
0.09197	-0.11788	0.01079	0.133838	0.00376
0.3648	0.023531	0.61201	0.191482	3.11E-05
0.00062	-0.01395	0.76362	0.02496	0.59056
0.04146	-0.0328	0.47947	-0.18235	7.39E-05
0.51329	-0.01458	0.75339	0.206171	7.06E-06
0.00091	0.19646	1.90E-05	-0.25498	2.30E-08
0.00021	-0.00752	0.87126	-0.13246	0.00414
0.19853	0.168887	0.00025	-0.03947	0.3948
8.19E-06	0.071828	0.12113	-0.50289	2.66E-31
0.63303	0.14156	0.00217	-0.15096	0.00107
0.00883	0.072094	0.11975	-0.21423	2.99E-06
0.1679	0.120666	0.00905	-0.09044	0.05081
0.04372	0.15149	0.00102	-0.22833	6.13E-07
0.24527	0.047822	0.30242	-0.07202	0.12015
0.01745	0.141053	0.00225	-0.28371	4.28E-10
0.80934	-0.0119	0.79753	0.07148	0.12295
0.00607	0.096152	0.03779	-0.0929	0.0448
0.05758	0.033657	0.46809	0.185845	5.33E-05
0.38712	0.050336	0.27768	-0.15666	0.00068
0.04411	-0.06171	0.18313	-0.11842	0.01043
0.68008	0.15312	0.0009	-0.03231	0.48612
0.60332	0.101089	0.02894	0.087425	0.05905
0.12741	0.069424	0.13412	-0.11181	0.01564
0.25062	0.080962	0.0805	0.096678	0.03675
0.80693	-0.01572	0.73467	-0.14397	0.00181
0.08775	0.146922	0.00145	0.00194	0.96664
0.06421	0.042657	0.35769	-0.197	1.80E-05
0.01481	0.070494	0.12821	-0.34777	1.01E-14
0.01559	0.051312	0.26846	-0.13726	0.00296
0.13479	0.067422	0.14574	0.247869	5.73E-08
0.01109	0.007729	0.8677	-0.04908	0.28983
0.03896	-0.09222	0.04639	0.193659	2.51E-05
0.84712	0.007191	0.87684	0.078475	0.09028
6.36E-06	0.135484	0.00335	0.323023	8.39E-13
0.00165	-0.05143	0.26737	0.138943	0.00262
2.16E-05	0.048915	0.29149	-0.14003	0.00242
0.01728	0.139677	0.00248	0.200741	1.24E-05
0.02286	0.100031	0.03067	-0.26284	8.10E-09

2.51E-06	0.075495	0.10322	-0.25877	1.40E-08
2.04E-05	0.127744	0.0057	-0.16769	0.00027
0.00699	-0.004	0.9313	-0.13629	0.00317
0.44743	-0.02019	0.66335	-0.13102	0.00457
0.30826	0.09943	0.03169	-0.17516	0.00014
0.00074	-0.05699	0.219	-0.03041	0.51206
0.00072	0.042966	0.35421	-0.20459	8.33E-06
0.00295	-0.10113	0.02888	0.259437	1.28E-08
0.91875	0.042372	0.36091	0.234408	3.00E-07
9.82E-07	-0.13647	0.00313	0.315728	2.87E-12
0.61781	0.03736	0.42055	0.244617	8.62E-08
0.02257	-0.0095	0.83775	0.022005	0.63527
0.0003	0.095734	0.03864	-0.24392	9.41E-08
0.57345	-0.05648	0.22315	-0.08221	0.07593
0.00576	0.152112	0.00098	-0.05746	0.21519
0.00756	0.089004	0.0546	-0.17128	0.0002
0.04275	0.165253	0.00034	-0.12233	0.00813
0.75983	0.077217	0.09558	0.152389	0.00095
0.27296	0.064838	0.16185	0.213794	3.14E-06
6.96E-07	0.108854	0.01862	0.291663	1.31E-10
1.76E-05	0.222088	1.25E-06	0.353873	3.19E-15
0.05621	0.06036	0.19289	0.090157	0.05153
0.00192	-0.07042	0.12859	-0.08844	0.05616
0.02646	0.043715	0.34588	0.220647	1.47E-06
0.00113	0.025535	0.58202	-0.05005	0.28043
0.0242	0.092173	0.0465	0.188545	4.12E-05
0.00051	0.094545	0.04113	-0.30416	1.88E-11
0.49679	0.064538	0.1638	-0.02167	0.64037
0.00856	0.001631	0.97195	0.021557	0.64217
0.0433	0.178862	0.0001	-0.38802	3.15E-18
0.21134	-0.07424	0.10909	-0.24813	5.55E-08
0.03184	0.13756	0.00289	-0.17693	0.00012
0.89593	-0.07329	0.1137	0.090947	0.04951
0.1485	0.125522	0.00661	-0.03419	0.46107
0.35284	0.135963	0.00324	-0.00403	0.93073
0.68509	0.078761	0.08911	0.089014	0.05457
0.29391	0.069888	0.13153	-0.06899	0.13655
0.77118	-0.05683	0.22024	0.080165	0.08354
0.05623	0.064182	0.16614	-0.20714	6.38E-06
0.01581	0.06383	0.16849	0.192163	2.91E-05
0.66482	0.080818	0.08104	0.115961	0.01215
0.99472	0.156535	0.00069	-0.23774	2.01E-07
0.02339	-0.05325	0.25076	0.154577	0.0008
0.00214	-0.10189	0.02769	0.543436	3.08E-37
0.0306	0.07638	0.09923	0.148492	0.00129

0.00136	0.070475	0.12832	-0.14312	0.00193
0.01907	0.064494	0.16409	0.249239	4.81E-08
0.08126	0.042187	0.36302	-0.09356	0.0433
0.00021	-0.19416	2.39E-05	0.26257	8.39E-09
0.54216	0.068568	0.139	0.135454	0.00336
0.00368	0.106015	0.02194	0.180252	8.97E-05
0.00128	0.167107	0.00029	-0.36024	9.32E-16
0.05564	-0.00756	0.8706	-0.00966	0.83514
0.21313	0.038352	0.40831	0.091212	0.04885
0.00826	-0.07121	0.12435	0.008568	0.85349
0.07232	0.093242	0.04401	0.229589	5.29E-07
0.14057	0.04748	0.3059	-0.23281	3.62E-07
0.08872	0.101125	0.02888	0.14782	0.00136
0.00705	-0.00348	0.94023	0.005085	0.91273
0.0544	0.152665	0.00093	-0.34239	2.73E-14
0.47792	0.112112	0.01535	0.089342	0.05368
0.3679	0.099879	0.03093	0.135911	0.00325
0.03379	0.148302	0.00131	0.025599	0.58109
0.97512	0.013314	0.77415	-0.15007	0.00114
0.34625	0.061836	0.18221	-0.06019	0.19416
0.77952	0.052027	0.26183	0.095017	0.04012
0.64543	0.086761	0.06101	-0.06827	0.14073
0.00025	0.147347	0.00141	-0.24093	1.36E-07
0.00165	0.024571	0.59636	-0.10272	0.02643
0.1012	0.108288	0.01925	-0.04007	0.38763
0.12692	0.011292	0.80771	0.100448	0.02998
0.45626	0.004696	0.91939	0.147914	0.00135
1.44E-08	0.092524	0.04567	-0.26366	7.25E-09
0.02368	-0.01053	0.82041	0.002299	0.96047
0.49629	-0.03327	0.47318	0.249552	4.63E-08
4.38E-07	-0.01755	0.70529	-0.20843	5.57E-06
0.81443	0.028616	0.53733	-0.08708	0.06008
0.67014	-0.02201	0.6352	0.09746	0.03525
7.48E-05	0.075456	0.1034	0.288547	2.09E-10
1.74E-13	0.278862	8.67E-10	0.0865	0.06179
0.00017	0.080722	0.0814	0.331284	2.01E-13
0.08741	0.137436	0.00292	0.083302	0.0721
0.86226	0.015813	0.73323	0.232882	3.59E-07
0.40712	-0.01049	0.82117	-0.00812	0.86103
0.05562	-0.04146	0.3714	-0.01196	0.79663
0.06539	-0.07363	0.11207	0.161073	0.00048
0.346	0.142239	0.00206	0.023007	0.61996
0.00163	0.091641	0.04779	-0.05928	0.20102
0.27253	-0.00283	0.9514	0.124189	0.00721
0.00074	0.163382	0.00039	-0.58299	7.30E-44

0.10725	-0.01261	0.78579	0.094301	0.04166
0.30141	0.122392	0.0081	-0.01778	0.70149
0.95562	0.013488	0.77127	-0.10643	0.02143
0.00208	0.098156	0.03395	-0.01976	0.67022
0.00451	0.114183	0.01355	-0.14753	0.00139
5.81E-05	0.105371	0.02277	-0.08343	0.07166
0.00021	0.00969	0.83456	-0.31974	1.46E-12
0.01212	0.036677	0.4291	-0.09566	0.03878
0.05393	0.151069	0.00106	0.089869	0.05228
0.73477	0.107369	0.0203	0.058442	0.20744
0.76197	0.028207	0.54316	-0.01979	0.66973
0.28554	0.017172	0.71129	-0.15767	0.00063
0.31981	0.101353	0.02852	0.186626	4.95E-05
0.0261	-0.01235	0.79017	0.283756	4.25E-10
0.09587	-0.00131	0.97746	-0.24596	7.29E-08
4.85E-05	0.025173	0.58739	-0.197	1.80E-05
0.99017	0.099555	0.03148	0.127276	0.00588
0.03951	0.154689	0.0008	-0.02228	0.63103
0.00748	0.001839	0.96838	-0.09273	0.04518
0.05645	0.0846	0.06776	0.251096	3.80E-08
0.85359	0.043399	0.34938	-0.0424	0.36055
0.15713	0.022059	0.63445	0.043497	0.34829
0.00647	0.045417	0.3274	-0.37897	2.14E-17
0.77936	0.03189	0.49178	-0.00081	0.986
0.00341	0.011866	0.79814	0.034812	0.45296
0.01272	0.122293	0.00815	0.202925	9.89E-06
1.31E-05	0.136332	0.00316	0.136765	0.00306
0.59499	0.108636	0.01886	-0.10554	0.02255
0.83875	-0.01822	0.69459	0.120875	0.00893
3.98E-13	0.318378	1.84E-12	-0.01476	0.75036
0.90133	0.000817	0.98596	0.177422	0.00012
0.03903	0.042044	0.36465	-0.08353	0.07134
0.04153	0.034863	0.45229	-0.23626	2.40E-07
0.72337	-0.01961	0.67254	0.076934	0.0968
0.35367	0.053633	0.24737	-0.06926	0.13503
0.14951	0.018514	0.68986	0.13113	0.00453
0.02453	0.083289	0.07215	0.155051	0.00077
1.57E-08	0.091377	0.04844	-0.20354	9.29E-06
6.62E-05	0.050212	0.27887	-0.10752	0.02012
0.00025	-0.00173	0.97029	-0.10483	0.02347
0.81622	0.002349	0.95963	0.201816	1.11E-05
0.22602	-0.03561	0.44261	0.159445	0.00054
0.26329	0.01215	0.79342	0.130401	0.00477
0.00115	0.005629	0.90345	-0.03469	0.45457
0.01201	0.046061	0.32059	-0.10892	0.01855

0.3439	0.052407	0.25836	0.02144	0.64398
0.0015	0.057918	0.21155	0.264516	6.45E-09
0.00123	0.014403	0.75623	0.023667	0.60995
0.17572	0.053061	0.25246	0.002967	0.94901
0.4408	0.016737	0.71829	0.067402	0.14586
0.08487	0.026684	0.56515	0.219088	1.75E-06
0.03226	0.056474	0.22318	-0.20304	9.77E-06
0.00102	-0.06126	0.18631	-0.17016	0.00022
0.30834	0.040512	0.3824	0.231799	4.09E-07
0.17312	0.031953	0.49093	0.060398	0.19261
0.1164	0.124504	0.00706	4.91E-05	0.99916
0.09838	0.121122	0.00879	-0.31626	2.62E-12
0.04	0.012525	0.7872	-0.06611	0.15375
0.76109	-0.03821	0.4101	0.20366	9.17E-06
0.08543	0.135796	0.00328	-0.00426	0.92679
0.73748	0.181891	7.71E-05	-0.01467	0.75186
0.09338	0.12783	0.00567	-0.10954	0.01788
0.08581	0.099244	0.03201	-0.03255	0.48285
2.52E-05	0.168085	0.00026	0.201111	1.19E-05
0.54078	0.144621	0.00173	0.035445	0.44477
0.29062	0.130874	0.00461	-0.13808	0.00279
0.00022	0.037945	0.41331	-0.12542	0.00665
0.91688	0.05676	0.22084	-0.21654	2.32E-06
0.0036	0.072019	0.12014	0.024518	0.59715
0.00299	-0.04824	0.29826	0.069524	0.13356
0.15822	0.002562	0.95596	-0.04881	0.29255
0.01841	0.083279	0.07218	-0.08697	0.06038
9.75E-05	-0.00411	0.92935	-0.16332	0.00039
0.00867	0.077481	0.09445	0.271877	2.34E-09
0.90573	0.230525	4.75E-07	-0.07028	0.12935
0.00155	0.002322	0.96009	0.218394	1.89E-06
0.15809	0.036275	0.43417	-0.16235	0.00043
0.33345	0.067964	0.14252	0.100179	0.03042
0.0023	-0.01258	0.78628	-0.02464	0.59539
0.00081	0.092211	0.04641	-0.05824	0.20898
0.83728	0.193822	2.47E-05	0.020947	0.65163
0.03506	0.067839	0.14326	-0.14888	0.00125
0.4314	0.156818	0.00067	0.06075	0.19003
0.8663	0.002877	0.95057	0.081763	0.07754
0.01443	-0.21248	3.61E-06	0.214	3.07E-06
0.61273	0.038048	0.41203	-0.03681	0.42743
0.50226	0.020882	0.65264	0.16529	0.00033
0.00598	0.135756	0.00329	0.056838	0.22021
0.0531	0.126851	0.00605	-0.17765	0.00011
0.00173	0.015308	0.74145	-0.06639	0.152



0.57373	0.016677	0.71925	0.068645	0.13855
0.00182	0.087944	0.05756	0.252831	3.04E-08
0.04104	-0.02939	0.52631	-0.24957	4.62E-08
0.39038	-0.00072	0.98769	0.143176	0.00192
0.13129	0.095956	0.03819	0.059818	0.19692
1.93E-05	0.080664	0.08163	-0.47472	1.27E-27
1.64E-06	0.109243	0.0182	-0.2888	2.01E-10
0.16925	0.020462	0.65918	-0.10501	0.02325
0.76166	0.005048	0.91337	-0.00838	0.85668
0.00716	0.052069	0.26145	0.259725	1.23E-08
7.53E-05	0.012594	0.78605	-0.20041	1.28E-05
0.06145	-0.04035	0.38431	-0.02788	0.5479
0.00222	0.021141	0.64861	0.273023	1.99E-09
0.50782	0.027596	0.55193	0.110361	0.01704
0.12612	-0.01857	0.68897	0.162566	0.00042
0.88965	0.024485	0.59764	0.04361	0.34704
0.00477	0.108404	0.01912	0.048674	0.29388
0.02077	0.12267	0.00796	-0.22128	1.37E-06
0.79204	-0.03798	0.41291	0.054933	0.23609
3.97E-05	0.103997	0.02461	-0.15688	0.00067
9.10E-05	-0.04556	0.32593	-0.16725	0.00028
0.20224	0.174538	0.00015	0.103613	0.02515
0.23846	0.070766	0.12674	-0.08569	0.06427
0.26499	0.075827	0.10172	0.068265	0.14076
0.3754	0.099	0.03244	-0.00685	0.88259
0.04642	0.123974	0.00731	-0.15057	0.0011
0.03668	0.077981	0.09233	0.018973	0.68258
0.60527	-0.00714	0.87778	-0.02682	0.56317
0.00152	0.137034	0.003	0.149509	0.00119
0.21813	0.181737	7.82E-05	-0.13105	0.00456
6.99E-06	0.107417	0.02024	-0.02598	0.57542
0.99477	0.183696	6.52E-05	-0.07264	0.11698
0.51535	0.085313	0.06547	0.15497	0.00078
0.11206	-0.01032	0.82392	0.003943	0.93228
0.00261	-0.00766	0.86893	-0.07013	0.13019
0.18385	-0.02679	0.56356	0.336234	8.33E-14
0.18715	0.017363	0.70823	-0.13492	0.00349
0.00644	0.011256	0.80832	-0.09236	0.04607
0.01117	0.078379	0.09068	0.21706	2.19E-06
0.00011	0.021498	0.64308	-0.20228	1.06E-05
0.15063	-0.00973	0.83384	0.029236	0.52854
0.00763	0.094488	0.04125	0.083762	0.07054
0.0156	0.092291	0.04622	0.048278	0.29783
0.45188	0.057959	0.21123	-0.13604	0.00322
0.00185	0.072723	0.11655	0.306469	1.30E-11

0.4361	0.13832	0.00274	0.061094	0.18752
0.02416	0.077108	0.09605	-0.16208	0.00044
0.30821	0.01512	0.74451	0.104631	0.02374
0.69271	0.068052	0.142	0.166225	0.00031
0.00252	0.030473	0.51124	-0.4252	6.30E-22
0.45991	0.055321	0.23278	-0.28832	2.16E-10
0.01202	0.02813	0.54426	0.063327	0.17187
0.03467	0.043492	0.34835	0.248014	5.62E-08
0.82069	0.037693	0.41641	0.04581	0.32324
0.02141	0.032701	0.48083	0.016422	0.72338
0.67207	0.044008	0.34266	-0.17907	9.99E-05
2.45E-06	0.0072	0.87668	-0.08444	0.06829
0.32137	0.047084	0.30995	0.195481	2.10E-05
0.03328	-0.00026	0.99553	0.026917	0.56176
0.00057	0.086074	0.06309	-0.28499	3.55E-10
9.74E-05	0.049459	0.28615	-0.14916	0.00123
0.52319	0.019897	0.66802	0.092316	0.04616
0.01468	-0.07631	0.09956	0.132286	0.00419
0.5654	0.095095	0.03996	-0.14992	0.00116
0.84467	0.018282	0.69354	0.060067	0.19506
7.14E-05	0.073463	0.11287	-0.24045	1.44E-07
0.00093	0.122928	0.00783	0.265812	5.41E-09
0.00379	0.031544	0.4965	0.30533	1.56E-11
0.3084	0.035683	0.44171	-0.04787	0.3019
0.0455	0.035874	0.43928	-0.0342	0.4609
0.06688	-0.04364	0.34668	-0.0586	0.20621
0.48043	-0.04077	0.37938	-0.0386	0.4053
0.00131	0.085938	0.06351	-0.29463	8.32E-11
0.29796	-0.0617	0.18319	0.079395	0.08656
0.00142	0.191577	3.08E-05	0.182129	7.54E-05
0.00222	-0.12383	0.00738	0.161246	0.00047
0.00798	0.062562	0.17712	-0.05389	0.24512
0.00032	0.055564	0.23074	-0.0836	0.07108
0.04863	-0.0315	0.49707	0.19522	2.15E-05
0.32289	-0.13629	0.00317	0.051439	0.26728
0.37366	-0.10186	0.02774	-0.09408	0.04214
1.05E-09	0.092629	0.04543	0.073105	0.11464
0.21411	-0.12701	0.00599	0.091914	0.04713
0.76413	-0.13583	0.00327	0.089588	0.05303
0.30172	-0.12701	0.00599	0.024135	0.6029
0.1367	-0.11611	0.01204	0.098406	0.0335
0.73385	-0.06159	0.18399	0.083805	0.07039
0.81824	-0.0811	0.08	0.271364	2.51E-09
0.04029	-0.09579	0.03851	0.101962	0.02758
0.3089	-0.13189	0.0043	0.04848	0.29581

0.96065	-0.09447	0.04129	0.053639	0.24732
0.64698	-0.15794	0.00061	0.081733	0.07765
0.61667	-0.05016	0.2794	-0.03394	0.4644
0.26572	-0.12791	0.00564	0.102672	0.02651
0.08345	-0.14112	0.00224	0.254737	2.37E-08
0.77346	-0.15185	0.001	0.116894	0.01147
0.10514	-0.08684	0.06078	0.080427	0.08253
0.56299	-0.15117	0.00105	0.108177	0.01937
0.29991	-0.15819	0.0006	0.091202	0.04887
0.5126	-0.08049	0.0823	0.067104	0.14765
0.50186	-0.10114	0.02887	0.061832	0.18224
0.28918	-0.13287	0.00402	0.15317	0.0009
0.94099	-0.10514	0.02306	-0.03396	0.46414
0.57045	-0.14671	0.00148	0.021421	0.64428
0.07665	-0.11922	0.00992	0.073754	0.11144
0.43437	-0.12441	0.00711	0.037518	0.41858
0.85847	-0.07751	0.0943	0.076804	0.09737
0.44714	-0.14639	0.00151	0.133139	0.00395
0.2975	-0.15504	0.00077	0.07845	0.09038
0.10104	-0.09491	0.04034	0.245469	7.75E-08
0.33836	-0.15043	0.00111	0.133675	0.0038
0.51825	-0.14617	0.00154	0.00679	0.88366
0.94874	-0.10338	0.02547	0.116097	0.01205
0.59729	-0.13887	0.00263	0.140644	0.00232
0.0025	-0.16919	0.00024	0.313361	4.24E-12
0.2491	-0.15167	0.00101	0.082448	0.07508
0.34525	-0.11368	0.01397	0.074573	0.10752
0.00307	0.023165	0.61755	0.066565	0.15094
0.18016	-0.18619	5.16E-05	0.129475	0.00507
0.86922	-0.11939	0.00981	0.090815	0.04984
0.10285	-0.09745	0.03527	0.120847	0.00895
0.3487	-0.13839	0.00273	0.119313	0.00986
0.94158	-0.1371	0.00299	0.144975	0.00168
0.03061	-0.17446	0.00015	0.192202	2.90E-05
0.04686	-0.14338	0.0019	0.081006	0.08034
1.75E-08	0.13178	0.00434	0.020454	0.6593
0.17288	-0.06696	0.14855	0.12307	0.00775
0.06225	-0.15846	0.00059	0.246968	6.42E-08
0.02176	-0.158	0.00061	0.411904	1.50E-20
0.4513	-0.14399	0.00181	0.210365	4.53E-06
0.0395	-0.01964	0.67204	-0.09413	0.04202
0.79264	-0.14227	0.00206	0.141056	0.00225
0.66355	-0.11397	0.01372	0.10123	0.02872
0.57299	-0.12957	0.00504	0.10868	0.01881
0.80184	-0.10844	0.01907	0.000776	0.98666

0.02623	-0.13216	0.00422	-0.25791	1.56E-08
0.04841	0.003369	0.94212	0.099681	0.03126
0.81067	-0.12664	0.00614	0.043824	0.34468
0.0171	-0.06535	0.15856	0.118752	0.01021
0.049	-0.11455	0.01325	0.374366	5.53E-17
0.00945	-0.12793	0.00563	0.255673	2.10E-08
0.67293	-0.14242	0.00203	0.119865	0.00952
0.45826	-0.12256	0.00802	0.054849	0.2368
0.92896	-0.19447	2.32E-05	0.125608	0.00657
0.26632	-0.10518	0.02302	0.050084	0.2801
0.11133	-0.1095	0.01793	-0.00609	0.89554
0.82503	-0.15454	0.00081	0.03368	0.46779
0.34881	-0.12869	0.00535	0.086656	0.06132
0.81682	-0.08311	0.07275	0.014112	0.761
0.68167	-0.16417	0.00037	0.113202	0.01438
0.40615	-0.14856	0.00128	0.097763	0.03468
0.9024	-0.15801	0.00061	0.047988	0.30074
0.4834	-0.14108	0.00224	0.063901	0.16801
0.61169	-0.12557	0.00659	0.141052	0.00225
0.08992	-0.13911	0.00259	0.092162	0.04653
0.96843	-0.1259	0.00644	0.256164	1.97E-08
0.51156	-0.19929	1.43E-05	0.167724	0.00027
0.19452	-0.05807	0.21037	-0.0198	0.66951
0.00101	-0.05165	0.26535	-0.31548	2.99E-12
0.14759	-0.09046	0.05074	0.047347	0.30725
0.74963	-0.09925	0.032	0.274155	1.70E-09
0.15404	-0.20348	9.34E-06	0.128145	0.00555
0.04191	-0.17934	9.74E-05	0.104923	0.02335
0.19544	-0.17933	9.76E-05	0.086349	0.06225
0.85577	-0.04228	0.36194	0.071399	0.12337
0.10098	-0.15518	0.00077	0.138699	0.00267
7.39E-06	-0.03653	0.43094	0.254734	2.37E-08
0.00086	0.113285	0.01431	-0.04706	0.31024
0.16925	-0.17981	9.34E-05	0.246477	6.83E-08
1.65E-06	-0.11365	0.01399	0.311288	5.96E-12
0.37185	-0.13538	0.00338	0.204821	8.13E-06
0.03456	-0.06045	0.19221	0.073468	0.11284
0.32394	-0.12643	0.00622	0.303871	1.97E-11
0.90811	-0.01073	0.81708	-0.00802	0.86283
0.91168	0.136467	0.00313	-0.10912	0.01834
0.16173	-0.17069	0.00021	0.059672	0.19802
0.44607	-0.19462	2.29E-05	0.100647	0.02965
0.53941	-0.0815	0.07849	0.117006	0.01139
0.07416	-0.17824	0.00011	0.008147	0.86062
0.32783	-0.08017	0.08352	0.312356	5.00E-12

0.0414	-0.0572	0.21724	0.163063	0.0004
0.26428	-0.1406	0.00232	0.337571	6.55E-14
0.54565	-0.1646	0.00035	0.076778	0.09748
0.02618	-0.15859	0.00058	0.18695	4.80E-05
0.1313	-0.20527	7.76E-06	0.000512	0.9912
0.11319	-0.2095	4.97E-06	0.290197	1.63E-10
0.23497	-0.12285	0.00787	0.2327	3.67E-07
0.02391	0.162949	0.00041	0.029501	0.52481
0.23307	-0.12071	0.00903	0.147901	0.00135
0.48659	-0.07872	0.08926	0.052736	0.25538
0.05635	-0.12691	0.00603	0.148546	0.00128
0.39094	-0.1601	0.00051	0.132525	0.00412
0.28314	-0.10127	0.02865	0.110851	0.01655
0.63961	-0.15559	0.00074	0.156972	0.00066
0.78879	-0.19695	1.81E-05	0.108299	0.01923
0.42793	-0.12966	0.00501	0.111377	0.01604
0.00816	-0.10627	0.02163	0.095622	0.03887
0.0264	0.06314	0.17315	0.120692	0.00903
0.23509	-0.14773	0.00137	0.077398	0.0948
0.06918	-0.13039	0.00477	0.120154	0.00935
0.53686	-0.02214	0.63319	-6.67E-05	0.99885
0.05873	-0.06316	0.17302	0.131539	0.00441
0.68254	-0.1621	0.00044	0.299827	3.72E-11
0.15512	-0.12971	0.00499	0.149871	0.00116
0.10165	-0.09819	0.03389	0.17475	0.00015
0.88517	-0.0096	0.83613	0.106532	0.0213
0.29595	-0.14481	0.0017	0.025946	0.57596
0.3654	-0.14346	0.00188	0.205175	7.84E-06
0.24411	-0.14778	0.00136	0.078952	0.08834
0.55282	-0.14205	0.00209	0.12412	0.00724
0.06321	-0.11565	0.01239	0.116076	0.01207
0.00897	-0.08253	0.0748	0.125459	0.00663
0.05952	-0.12818	0.00554	0.269304	3.34E-09
0.00046	-0.02488	0.59172	0.221981	1.27E-06
0.69297	-0.18817	4.28E-05	0.101385	0.02847
0.38585	-0.16272	0.00041	0.150968	0.00107
0.02193	-0.02632	0.57047	0.21207	3.78E-06
0.41966	-0.10484	0.02346	0.152436	0.00095
0.14999	-0.12923	0.00516	-0.03858	0.40549
0.00044	-0.13521	0.00342	0.214406	2.93E-06
0.03516	-0.10233	0.02701	0.122884	0.00785
0.41595	-0.13427	0.00365	0.125997	0.0064
0.2212	-0.14677	0.00147	0.207655	6.04E-06
0.62494	-0.09778	0.03466	0.11656	0.01171
0.61501	-0.11164	0.01579	0.028433	0.53993

0.31037	-0.16248	0.00042	0.118876	0.01014
0.83876	-0.16315	0.0004	0.123684	0.00745
0.72202	-0.10119	0.02879	0.07964	0.08559
0.97601	0.104331	0.02415	-0.26076	1.07E-08
0.1404	-0.0746	0.1074	0.194829	2.24E-05
0.86903	-0.19806	1.62E-05	0.248196	5.50E-08
0.01463	-0.14773	0.00137	0.255716	2.09E-08
0.42627	-0.14919	0.00122	0.083147	0.07264
0.31999	-0.09049	0.05067	-0.00952	0.83742
0.0245	-0.1048	0.02352	0.268647	3.66E-09
0.04198	-0.09081	0.04986	0.087545	0.0587
0.34698	-0.14589	0.00157	0.026872	0.56242
0.01924	-0.15289	0.00092	0.270826	2.71E-09
0.08217	-0.1272	0.00591	0.197344	1.74E-05
0.09688	-0.1302	0.00483	0.172669	0.00018
0.24216	-0.18851	4.14E-05	-0.11981	0.00956
0.43497	-0.09566	0.03879	0.13226	0.0042
0.05003	-0.12103	0.00884	0.164509	0.00036
0.85632	0.001543	0.97348	-0.01066	0.81824
0.01077	0.038026	0.4123	0.041295	0.37326
0.15157	-0.19847	1.56E-05	0.059313	0.20073
0.00039	-0.00724	0.87606	0.120955	0.00888
0.15566	-0.1272	0.00591	0.091653	0.04776
0.91682	0.107029	0.0207	0.108551	0.01895
0.14728	-0.07398	0.11037	0.14798	0.00134
0.41484	-0.12955	0.00505	0.242751	1.09E-07
0.01367	-0.07682	0.09729	0.12722	0.0059
0.62842	-0.15962	0.00054	0.166564	0.0003
0.44952	-0.07757	0.09406	0.138238	0.00276
0.39255	-0.06582	0.15555	-0.03824	0.40962
0.29871	-0.13864	0.00268	0.114525	0.01327
0.27567	-0.22718	7.01E-07	0.35354	3.40E-15
0.34731	-0.10132	0.02857	0.24197	1.20E-07
0.32489	-0.05056	0.27551	0.048443	0.29617
0.03712	-0.11447	0.01332	0.147093	0.00143
0.30336	-0.09067	0.05022	0.113031	0.01453
0.61674	-0.08309	0.07282	0.124783	0.00694
0.49722	-0.11812	0.01063	0.043144	0.35223
0.83718	-0.07565	0.1025	0.08956	0.0531
0.47012	-0.14155	0.00217	0.060117	0.19469
0.96419	0.050334	0.2777	-0.07473	0.1068
0.01077	-0.13238	0.00416	0.218833	1.80E-06
0.1396	-0.11406	0.01365	0.265809	5.41E-09
0.90261	0.061765	0.18271	-0.09014	0.05157
0.08227	-0.05789	0.21177	0.232747	3.65E-07

0.60401	0.136884	0.00304	-0.13923	0.00257
0.08487	-0.11642	0.01181	0.159137	0.00056
0.03068	-0.13212	0.00423	0.046422	0.31681
0.86537	-0.12508	0.0068	0.171015	0.0002
0.39287	-0.11174	0.0157	0.069447	0.13399
0.95312	-0.14743	0.0014	0.14927	0.00122
0.01021	-0.0896	0.053	0.09308	0.04438
0.40787	-0.14162	0.00216	0.056582	0.2223
0.00066	-0.10359	0.02519	0.150396	0.00111
0.10703	-0.12369	0.00745	0.080942	0.08058
0.961	-0.03079	0.50686	0.057383	0.21581
0.30413	-0.14649	0.0015	0.083113	0.07275
0.08832	-0.01265	0.78511	0.168499	0.00025
0.0715	0.054334	0.24124	0.148196	0.00132
0.14511	-0.11467	0.01315	0.122529	0.00803
0.66208	-0.06531	0.15884	0.138906	0.00263
0.12114	-0.03477	0.45355	0.013644	0.76871
0.00562	-0.06168	0.18333	0.119471	0.00976
0.00076	-0.02511	0.58827	0.170084	0.00022
3.49E-05	0.002108	0.96376	0.181069	8.32E-05
0.00887	-0.05275	0.25529	0.131298	0.00448
0.72402	-0.13717	0.00297	0.242308	1.15E-07
0.00046	-0.05779	0.21259	0.124258	0.00718
0.25351	-0.11456	0.01325	0.041906	0.36623
0.48083	-0.10604	0.02191	0.089965	0.05203
0.76057	-0.03657	0.43043	0.001591	0.97264
0.86901	-0.08858	0.05575	0.059414	0.19997
0.83682	-0.09129	0.04864	0.124308	0.00715
0.9674	-0.08895	0.05474	-0.13476	0.00353
0.23909	-0.06781	0.14342	0.097299	0.03555
0.1638	-0.01212	0.79388	0.108302	0.01923
0.74902	-0.23333	3.41E-07	0.046938	0.31145
2.60E-06	0.026012	0.57499	0.126155	0.00634
0.16826	-0.09668	0.03674	0.139389	0.00254
0.08743	-0.17702	0.00012	0.125131	0.00678
0.39477	-0.19585	2.02E-05	0.154834	0.00079
0.01204	0.063378	0.17152	0.26015	1.16E-08
0.1169	-0.15174	0.001	0.209286	5.09E-06
0.53282	-0.12513	0.00678	0.109745	0.01767
0.9996	-0.13037	0.00478	0.126825	0.00606
0.12208	-0.1477	0.00137	0.066151	0.1535
0.54288	-0.09234	0.04611	0.192858	2.72E-05
0.05435	-0.17355	0.00016	0.238186	1.90E-07
0.05611	-0.02087	0.65275	0.008951	0.84703
0.48484	-0.00314	0.94605	0.051941	0.26263

0.09187	-0.17945	9.65E-05	0.056502	0.22295
0.5671	-0.10053	0.02985	0.177716	0.00011
0.77233	-0.06751	0.14523	0.109054	0.0184
0.9313	-0.1391	0.00259	0.071327	0.12375
0.2417	-0.11654	0.01173	-0.05621	0.22536
7.33E-05	-0.00631	0.89181	0.223016	1.13E-06
0.13002	-0.15014	0.00114	0.238313	1.87E-07
0.54613	-0.09744	0.03528	0.055714	0.22948
0.8796	-0.16705	0.00029	0.240442	1.45E-07
0.81326	-0.18459	6.00E-05	0.056813	0.22041
0.00579	-0.03139	0.49867	0.015194	0.7433
0.00298	0.105245	0.02293	0.028369	0.54084
6.82E-09	-0.03284	0.47895	0.396729	4.70E-19
0.04566	-0.13382	0.00377	0.117128	0.01131
0.51469	-0.10182	0.02779	0.052131	0.26088
0.45338	-0.14655	0.0015	0.071936	0.12057
0.26916	0.003141	0.94604	0.166858	0.00029
0.7782	-0.16722	0.00028	0.343895	2.07E-14
0.39775	-0.13608	0.00321	0.262533	8.44E-09
0.7115	-0.22127	1.37E-06	0.09672	0.03667
0.78676	-0.10029	0.03024	-0.08063	0.08175
0.57624	-0.14025	0.00238	0.053365	0.24975
0.00137	-0.09648	0.03714	0.251465	3.62E-08
0.86277	-0.13019	0.00483	0.056445	0.22342
0.80723	-0.146	0.00156	0.284318	3.92E-10
0.54463	-0.14163	0.00216	0.179601	9.52E-05
0.17757	-0.06808	0.14184	0.094033	0.04224
0.42393	-0.12657	0.00616	0.049765	0.28318
0.66453	-0.12243	0.00808	0.187181	4.70E-05
0.27978	-0.07624	0.09986	0.167324	0.00028
0.02235	-0.0426	0.35839	0.109691	0.01773
0.27275	-0.12285	0.00787	0.09626	0.03758
0.54124	-0.04106	0.37596	0.026438	0.56875
0.65866	-0.14282	0.00198	0.047042	0.31038
0.50185	-0.1238	0.0074	0.094878	0.04042
0.50915	-0.15644	0.00069	0.06553	0.15741
0.38939	-0.18821	4.26E-05	0.110308	0.01709
0.21875	-0.14322	0.00192	0.097279	0.03559
0.56578	-0.20092	1.21E-05	0.295174	7.66E-11
0.00053	-0.03196	0.49079	0.31135	5.90E-12
0.69691	-0.14919	0.00122	0.159923	0.00052
0.86506	-0.1264	0.00624	0.17105	0.0002
4.47E-08	0.048802	0.29261	0.011048	0.81179
0.37952	-0.14585	0.00158	0.207811	5.95E-06
0.0721	-0.15043	0.00111	0.130998	0.00458



7.22E-06	0.117897	0.01078	-0.0048	0.91766
0.0011	-0.05925	0.20119	0.143011	0.00195
0.39375	-0.09309	0.04436	0.134687	0.00354
0.68094	-0.0156	0.73669	0.214309	2.96E-06
0.43599	-0.04853	0.29529	0.173071	0.00017
0.99145	-0.11677	0.01156	0.165759	0.00032
0.16776	-0.11843	0.01042	0.074659	0.10711
0.25398	-0.07718	0.09574	0.081603	0.07812
0.45949	-0.14031	0.00237	0.084859	0.06692
0.00822	0.088065	0.05721	-0.13142	0.00444
0.35909	-0.16379	0.00038	0.086271	0.06249
0.44387	-0.06114	0.18719	0.039361	0.39607
0.06279	-0.14581	0.00158	0.293444	9.98E-11
6.01E-13	0.128791	0.00531	0.326878	4.33E-13
0.00423	0.105698	0.02235	-0.0705	0.12815
0.68103	-0.1256	0.00657	0.022524	0.62733
0.94315	-0.1029	0.02617	0.018785	0.68556
0.29228	-0.14096	0.00226	0.082641	0.0744
0.06638	-0.09454	0.04113	0.439174	1.93E-23
5.32E-06	0.10418	0.02436	0.036365	0.43304
0.05232	-0.22158	1.33E-06	-0.09763	0.03493
0.77598	-0.14901	0.00124	0.134059	0.0037
0.97553	-0.13055	0.00472	0.125176	0.00676
0.18999	-0.18684	4.85E-05	0.359225	1.14E-15
0.93122	-0.04025	0.38551	-0.08082	0.08105
0.17907	-0.10993	0.01748	0.073268	0.11383
0.75442	-0.08489	0.06681	0.18744	4.58E-05
0.00066	-0.04467	0.33539	0.155057	0.00077
0.49834	-0.10511	0.02311	0.201727	1.12E-05
0.05749	-0.08171	0.07773	0.162869	0.00041
0.00044	0.009087	0.84473	0.187617	4.51E-05
0.15105	-0.02918	0.52938	0.233376	3.39E-07
0.84579	-0.15681	0.00067	0.221924	1.28E-06
3.21E-05	-0.0221	0.63381	0.253382	2.83E-08
0.1464	-0.11186	0.01559	0.062231	0.17943
0.43838	-0.03235	0.48558	0.035745	0.44093
0.14308	-0.07037	0.12889	0.071552	0.12257
0.37996	-0.07179	0.12135	0.106308	0.02158
0.01075	-0.10482	0.0235	0.171516	0.0002
0.22228	-0.13359	0.00383	0.111414	0.01601
0.02893	-0.08913	0.05426	0.218247	1.92E-06
0.04981	-0.08265	0.07436	0.321715	1.05E-12
0.8455	-0.14516	0.00166	0.249591	4.60E-08
3.25E-05	0.019124	0.68019	0.120864	0.00894
0.13353	-0.10085	0.02932	0.17267	0.00018

0.00011	-0.03685	0.42694	0.169965	0.00022
0.10651	-0.05556	0.23075	0.13315	0.00395
0.16421	-0.12712	0.00594	0.077931	0.09254
0.01124	-0.05937	0.20032	0.144228	0.00178
0.06438	-0.17654	0.00013	0.186894	4.83E-05
0.49832	-0.04467	0.3354	-0.00809	0.8615
0.15546	-0.1024	0.02692	0.112424	0.01507
0.42721	-0.18319	6.83E-05	0.060318	0.1932
0.00016	-0.02492	0.59119	0.113501	0.01412
0.42624	-0.03098	0.50424	0.291696	1.30E-10
0.0408	-0.06083	0.18945	0.21538	2.64E-06
3.04E-06	-0.00708	0.87876	0.219553	1.66E-06
0.51909	-0.18381	6.45E-05	-0.04415	0.34107
0.19262	-0.05662	0.22195	0.336945	7.33E-14
0.00891	-0.08761	0.0585	0.163245	0.0004
0.17522	-0.09768	0.03483	0.342482	2.68E-14
0.01674	-0.14415	0.00179	0.281739	5.71E-10
5.13E-10	0.010047	0.82856	0.342285	2.78E-14
0.68902	-0.17032	0.00022	0.109789	0.01763
0.25358	-0.10264	0.02656	0.224505	9.52E-07
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0.01571	-0.02268	0.62497	-0.09395	0.04243
0.20768	-0.12792	0.00563	0.107854	0.01974
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0.00889	-0.13636	0.00315	0.224232	9.82E-07
0.43726	-0.15034	0.00112	0.211398	4.06E-06
0.32014	-0.10991	0.0175	-0.00589	0.89901
5.61E-07	-0.07379	0.11128	0.428989	2.49E-22
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0.82123	-0.15799	0.00061	0.108408	0.01911
0.34596	-0.0802	0.0834	0.226514	7.56E-07
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0.4395	-0.12794	0.00563	0.221782	1.30E-06
0.00915	-0.12418	0.00721	0.182119	7.55E-05
0.04709	-0.14883	0.00126	0.208454	5.56E-06
0.75662	-0.10626	0.02164	0.039102	0.39919
0.84988	-0.07562	0.10266	0.059865	0.19657
0.18686	-0.1127	0.01483	0.159456	0.00054
0.01487	0.00561	0.90377	0.12347	0.00756
0.87291	-0.16966	0.00023	0.097579	0.03502
0.05499	-0.14862	0.00128	0.106706	0.02109
0.17111	-0.11711	0.01132	0.134089	0.0037
0.78292	-0.17406	0.00016	0.232408	3.80E-07
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0.01206	-0.10103	0.02903	0.321742	1.04E-12
0.06368	-0.0659	0.15506	0.200964	1.21E-05
0.12849	-0.09735	0.03546	0.090679	0.05019
0.09657	-0.14868	0.00127	0.121859	0.00838
0.49396	-0.15128	0.00104	0.266794	4.73E-09
0.87178	-0.14577	0.00158	0.08821	0.0568
0.00268	0.011337	0.80696	0.162898	0.00041
0.07853	-0.04693	0.3115	0.168801	0.00025
0.91739	-0.21044	4.50E-06	0.257026	1.76E-08
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0.00572	-0.09503	0.0401	0.412246	1.38E-20
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0.06993	-0.21219	3.73E-06	0.120669	0.00905
0.03683	-0.06819	0.14122	0.281364	6.04E-10
0.84729	-0.18811	4.30E-05	0.18982	3.65E-05
0.04543	0.034675	0.45473	-8.85E-05	0.99848
0.85178	-0.17254	0.00018	0.205416	7.64E-06
0.16764	-0.24101	1.35E-07	0.187371	4.61E-05
0.35208	-0.06408	0.16685	0.055635	0.23014
0.8654	-0.1204	0.0092	0.093223	0.04406
0.51998	-0.12848	0.00543	0.165682	0.00032
0.91606	-0.00892	0.8476	-0.17149	0.0002
0.57551	-0.14984	0.00116	0.05492	0.23619
0.34057	0.012896	0.78105	0.143319	0.0019
0.10326	-0.10839	0.01914	0.383571	8.12E-18
0.74725	-0.16049	0.0005	0.136314	0.00316
0.00585	-0.04788	0.30181	0.145836	0.00158
6.12E-05	0.120665	0.00905	-0.34749	1.06E-14
0.12567	-0.12981	0.00496	0.14154	0.00217
0.00946	-0.01129	0.8077	0.197107	1.78E-05
0.44619	0.037882	0.41408	0.086281	0.06246
0.6682	-0.10027	0.03027	0.046128	0.31988
0.30531	-0.10817	0.01938	0.216799	2.26E-06
0.0824	0.050337	0.27768	0.010146	0.82691
0.87438	-0.06862	0.13872	0.053696	0.24682
0.45641	-0.11561	0.01242	0.332276	1.68E-13
0.14275	-0.22013	1.56E-06	0.220231	1.54E-06
0.83219	-0.04206	0.36446	0.1792	9.87E-05
0.13221	-0.08921	0.05403	-0.04807	0.29994
0.73655	-0.14078	0.00229	0.111765	0.01568
0.37675	-0.0927	0.04526	0.142168	0.00207
0.5689	-0.10384	0.02483	0.151381	0.00103
0.97753	-0.12563	0.00656	0.203102	9.71E-06
0.89671	-0.08442	0.06833	0.143156	0.00193

0.30712	-0.13602	0.00323	0.148604	0.00128
0.27687	-0.08425	0.06891	0.081453	0.07868
0.00809	-0.02102	0.65044	0.234265	3.05E-07
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0.02727	0.006825	0.88305	0.038618	0.40506
0.05767	-0.1331	0.00396	-0.00559	0.90407
0.0589	-0.12157	0.00854	0.139364	0.00254
0.10885	-0.12683	0.00606	0.20283	9.99E-06
0.12063	0.038009	0.41252	-0.00583	0.90003
0.04909	-0.11894	0.01009	0.06924	0.13515
0.41796	-0.10928	0.01817	0.330141	2.45E-13
0.08034	-0.06335	0.1717	0.306498	1.29E-11
0.04106	-0.11136	0.01606	0.226114	7.92E-07
0.1143	-0.15395	0.00084	0.121999	0.00831
0.15651	-0.07699	0.09654	0.06173	0.18296
0.48936	-0.14472	0.00172	0.082424	0.07517
0.00035	-0.02002	0.66612	0.086352	0.06224
0.27692	0.176404	0.00013	-0.00582	0.90022
0.00169	-0.20885	5.32E-06	-0.1328	0.00404
0.648	-0.1124	0.01509	0.225209	8.78E-07
0.04187	-0.10034	0.03015	0.15118	0.00105
0.47858	-0.10266	0.02653	0.027375	0.55512
0.11462	-0.0982	0.03387	0.31056	6.71E-12
0.76866	-0.07234	0.11847	0.26087	1.05E-08
0.45664	-0.12111	0.0088	0.081361	0.07902
0.44649	0.010213	0.82578	-0.14797	0.00134
0.1524	-0.14658	0.00149	0.069189	0.13545
0.47935	-0.15792	0.00061	0.133753	0.00378
0.00081	-0.02217	0.63279	0.201242	1.18E-05
0.42152	-0.05898	0.20331	0.188193	4.27E-05
0.66873	-0.14394	0.00182	0.139293	0.00255
0.02997	-0.01768	0.70311	0.170518	0.00021
0.03618	-0.07746	0.09454	0.097222	0.0357
0.0406	-0.08532	0.06543	0.104805	0.02351
0.67285	-0.09746	0.03524	0.128278	0.0055
0.35787	-0.15185	0.001	0.119498	0.00975
0.36207	-0.09604	0.03802	0.083581	0.07115
0.33281	-0.08462	0.0677	0.099275	0.03196
0.02962	-0.09309	0.04436	0.06867	0.13841
0.35284	-0.00419	0.92802	0.195273	2.14E-05
0.50394	-0.0683	0.14054	0.111191	0.01622
0.79831	-0.12405	0.00727	0.186426	5.05E-05
0.42922	-0.11718	0.01127	0.170156	0.00022
0.47605	-0.0882	0.05684	0.186281	5.12E-05
0.70402	-0.13852	0.0027	0.105524	0.02257

0.37732	-0.09768	0.03483	0.122852	0.00786
0.31243	-0.02772	0.55011	0.126703	0.00611
0.59626	-0.04726	0.30814	0.010016	0.82909
0.91389	-0.08176	0.07755	-0.02378	0.6083
0.51597	-0.07534	0.10396	0.102581	0.02664
0.7592	-0.10004	0.03066	0.129378	0.00511
0.00169	0.003067	0.9473	0.164497	0.00036
0.13509	-0.10406	0.02452	0.114738	0.0131
0.26355	-0.06129	0.18613	0.173198	0.00017
0.93263	-0.12209	0.00826	0.160088	0.00052
0.41874	-0.10564	0.02242	0.139789	0.00246
0.25362	-0.09755	0.03508	0.124509	0.00706
0.35762	-0.0466	0.315	0.189661	3.71E-05
0.72067	-0.0818	0.07741	0.152346	0.00096
0.14338	-0.10239	0.02693	0.128817	0.0053
0.29814	-0.10248	0.02679	0.145965	0.00156
0.25204	-0.10873	0.01876	0.125838	0.00647
0.07192	-0.0972	0.03575	0.146922	0.00145
0.44605	-0.06065	0.19077	0.071801	0.12127
0.09889	-0.08398	0.06982	0.113037	0.01452
0.16765	-0.06851	0.13933	0.001739	0.9701
0.13532	-0.08745	0.05898	0.112075	0.01539
0.01687	0.072821	0.11606	0.125299	0.0067
0.10657	-0.06997	0.13107	0.104892	0.0234
0.10603	-0.07753	0.09423	0.213843	3.12E-06
0.09476	-0.07617	0.10018	0.102069	0.02741
0.28326	-0.11113	0.01628	0.144427	0.00175
0.62497	-0.08776	0.05808	0.043428	0.34906
0.47393	-0.07372	0.1116	0.208632	5.45E-06
0.34755	-0.15016	0.00113	0.156656	0.00068
0.71033	-0.15002	0.00115	0.056359	0.22412
0.48866	-0.04347	0.34856	0.007406	0.87318
0.01997	-0.07185	0.121	0.306891	1.21E-11
0.57292	-0.06616	0.15346	0.153644	0.00086
0.01381	-0.08271	0.07417	0.120646	0.00906
0.99275	-0.18047	8.79E-05	0.131931	0.00429
0.33902	-0.11223	0.01525	0.111873	0.01558
0.27199	-0.1147	0.01313	0.145713	0.00159
0.08246	-0.10891	0.01856	0.225928	8.09E-07
0.47247	-0.10646	0.0214	0.203151	9.66E-06
0.37099	-0.12065	0.00906	0.1687	0.00025
0.20922	-0.12329	0.00764	0.026517	0.5676
0.30496	-0.24744	6.05E-08	0.200693	1.24E-05
0.21325	-0.0843	0.06873	0.168524	0.00025
0.6141	-0.09926	0.03199	0.145078	0.00167

0.85954	-0.10683	0.02094	0.233452	3.36E-07
0.14069	-0.12698	0.006	0.134687	0.00354
0.40312	-0.09631	0.03748	0.059413	0.19998
0.29793	-0.13742	0.00292	0.131463	0.00443
0.96336	-0.15125	0.00104	0.15608	0.00071
0.29275	-0.14089	0.00228	0.111218	0.0162
0.32987	-0.19964	1.38E-05	0.183756	6.49E-05
0.94439	-0.13793	0.00282	0.123686	0.00745
0.06194	0.178673	0.0001	0.072528	0.11754
0.09119	-0.07985	0.08474	-0.0825	0.07491
0.25225	-0.14562	0.0016	0.092714	0.04523
0.00033	-0.14652	0.0015	0.111925	0.01553
0.11858	-0.12962	0.00502	0.144779	0.00171
0.10578	-0.05659	0.22223	0.131294	0.00448
0.41619	-0.14412	0.00179	0.123323	0.00763
0.00131	-0.07286	0.11588	0.274739	1.56E-09
0.61681	-0.15461	0.0008	0.16393	0.00037
0.47542	-0.12804	0.00559	0.088075	0.05718
0.7939	-0.06462	0.1633	0.083145	0.07264
0.34406	-0.0901	0.05168	0.092066	0.04676
0.28436	-0.1188	0.01019	0.078118	0.09176
0.00145	-0.08715	0.05986	0.415615	6.27E-21
0.13001	-0.14716	0.00143	0.09717	0.0358
0.61241	-0.14433	0.00177	0.107862	0.01973
0.76341	-0.06472	0.16264	0.073347	0.11344
0.27988	-0.11877	0.0102	0.241539	1.26E-07
0.6636	-0.06787	0.14308	0.049786	0.28297
0.11908	-0.1654	0.00033	0.154476	0.00081
0.35985	0.07951	0.0861	0.044896	0.333
0.44598	-0.14672	0.00148	0.232416	3.80E-07
0.44124	-0.19678	1.84E-05	0.07088	0.12613
0.05375	-0.07152	0.12275	0.133644	0.00381
0.57225	0.011266	0.80814	-0.01866	0.68754
0.46833	-0.07952	0.08605	0.0693	0.13482
0.15664	-0.16658	0.0003	0.136034	0.00322
0.02131	-0.01388	0.76489	0.179512	9.59E-05
0.99325	-0.19228	2.87E-05	0.116743	0.01158
0.37945	-0.13739	0.00293	0.365523	3.30E-16
0.04743	-0.08278	0.07391	0.412828	1.21E-20
0.5247	-0.14488	0.00169	0.12806	0.00558
0.91165	-0.08749	0.05886	0.181621	7.91E-05
0.64604	-0.08108	0.08006	0.200739	1.24E-05
0.68614	-0.09165	0.04776	0.191164	3.20E-05
0.84198	-0.14114	0.00223	0.16878	0.00025
0.70056	-0.09055	0.05053	0.215603	2.57E-06

0.49189	-0.07889	0.08857	0.146395	0.00151
0.00574	-0.09799	0.03425	0.203714	9.12E-06
0.38587	-0.01129	0.8077	-0.15233	0.00096
0.03779	-0.07933	0.0868	0.134471	0.0036
0.04348	-0.04225	0.3623	0.182922	7.01E-05
0.30057	0.103292	0.02561	-0.31584	2.81E-12
1.23E-09	0.065086	0.16024	0.213772	3.14E-06
0.01287	-0.12176	0.00844	0.446816	2.68E-24
0.07631	-0.14347	0.00188	0.16176	0.00045
0.05658	-0.07107	0.1251	0.210391	4.52E-06
0.09874	-0.13868	0.00267	0.217646	2.06E-06
0.79719	-0.18836	4.20E-05	-0.13019	0.00483
0.00045	-0.14404	0.0018	0.183298	6.77E-05
0.60151	-0.17326	0.00017	0.096996	0.03613
0.99309	-0.12759	0.00576	0.118683	0.01026
0.79886	-0.14807	0.00133	0.126762	0.00609
0.01826	-0.06719	0.14712	0.232546	3.74E-07
0.66943	-0.12639	0.00624	0.153356	0.00088
0.00044	0.201862	1.10E-05	-0.00718	0.8771
0.16484	-0.05464	0.23861	0.07696	0.09669
0.0656	-0.06427	0.16554	0.054932	0.23609
0.02255	-0.01896	0.68285	0.134298	0.00364
0.00071	-0.12677	0.00608	0.278673	8.91E-10
0.4561	-0.20093	1.21E-05	0.068253	0.14083
0.03943	0.011681	0.80123	0.181534	7.97E-05
0.30734	0.114587	0.01322	-0.011	0.81266
0.56551	-0.16069	0.00049	0.089943	0.05209
0.21319	-0.1205	0.00915	-0.02248	0.62804
0.08473	-0.00384	0.934	-0.05431	0.24145
0.17384	0.076861	0.09712	-0.01227	0.79145
0.03688	-0.09043	0.05082	0.212833	3.48E-06
0.79302	0.208694	5.42E-06	-0.18016	9.04E-05
7.88E-05	-0.12668	0.00612	0.163744	0.00038
0.25005	-0.16121	0.00047	0.181877	7.72E-05
0.58187	-0.07176	0.12147	-0.05952	0.19919
0.4176	-0.05308	0.25232	-0.04232	0.36145
0.31578	-0.13691	0.00303	0.092376	0.04602
0.77075	-0.10306	0.02593	0.026777	0.5638
0.10925	-0.14764	0.00138	0.184862	5.85E-05
0.00497	-0.08953	0.05319	0.29207	1.23E-10
0.06341	-0.01039	0.82276	0.035447	0.44474
0.65206	-0.20989	4.77E-06	0.131917	0.0043
0.95557	-0.14722	0.00142	0.057202	0.21726
0.08017	-0.10236	0.02697	-0.00204	0.96493
0.16317	-0.18309	6.90E-05	0.098365	0.03358

0.12692	-0.14246	0.00203	0.058034	0.21064
0.22694	-0.0151	0.74482	-0.00468	0.91969
0.83112	-0.15172	0.00101	0.172057	0.00019
0.46613	-0.17027	0.00022	0.095149	0.03985
0.26625	-0.14189	0.00211	0.076074	0.1006
0.08675	-0.15942	0.00054	0.020892	0.65248
0.777	-0.04357	0.34753	-0.05812	0.20996
0.7942	-0.12388	0.00736	0.0612	0.18675
0.66188	-0.14155	0.00217	0.102502	0.02676
0.00118	-0.12042	0.00919	0.225	9.00E-07
0.80326	-0.07687	0.09708	0.131226	0.0045
0.94566	-0.08339	0.07181	0.033273	0.47319
0.24945	-0.11241	0.01508	0.136763	0.00306
0.11487	-0.10672	0.02108	-0.00516	0.91144
0.34561	-0.12869	0.00535	0.08518	0.06589
0.06124	-0.11812	0.01063	0.065217	0.1594
6.59E-05	-0.01426	0.75856	0.208436	5.57E-06
9.59E-06	-0.08895	0.05474	0.323525	7.70E-13
0.36277	-0.15016	0.00113	0.284693	3.71E-10
0.27402	-0.15376	0.00086	0.188848	4.01E-05
0.19621	-0.13035	0.00478	0.152731	0.00093
0.15072	-0.15451	0.00081	0.102229	0.02717
0.61495	-0.10856	0.01895	0.010561	0.81993
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0.01313	-0.08632	0.06235	0.115849	0.01224
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0.93308	-0.108	0.01957	0.187946	4.37E-05
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7.71E-07	0.059346	0.20048	0.257899	1.57E-08
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0.80785	0.040118	0.38705	0.221471	1.34E-06
0.03041	-0.08193	0.07693	0.447202	2.42E-24
0.15752	-0.14121	0.00222	0.302314	2.52E-11
0.72536	-0.12248	0.00806	0.16307	0.0004
0.00031	-0.00359	0.93824	0.481993	1.54E-28
0.53877	-0.14364	0.00186	0.189055	3.93E-05
0.76284	-0.14689	0.00146	0.075844	0.10164
0.99973	0.131518	0.00441	-0.15672	0.00068
0.52203	-0.09122	0.04882	0.086548	0.06165
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0.14001	-0.09527	0.03959	0.206326	6.95E-06



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0.10246	-0.13381	0.00377	0.228696	5.88E-07
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0.00396	-0.03177	0.49337	0.214511	2.90E-06
0.46706	-0.2081	5.77E-06	0.048974	0.2909
0.32335	-0.08305	0.07298	0.195932	2.01E-05
0.33959	0.171967	0.00019	-0.24589	7.35E-08
0.81436	-0.2042	8.67E-06	0.247171	6.26E-08
0.04508	-0.11534	0.01263	0.223938	1.02E-06
0.05448	-0.02351	0.61229	0.083644	0.07094
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0.99177	-0.17247	0.00018	0.167377	0.00028
0.08951	-0.01032	0.82393	0.122655	0.00797
0.26119	-0.06477	0.16228	0.034411	0.45818
0.05021	0.066586	0.15081	0.224309	9.74E-07
0.18116	-0.09324	0.04402	0.094972	0.04022
0.00092	-0.05586	0.22825	0.323101	8.28E-13
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0.01128	-0.16243	0.00042	0.246433	6.87E-08
0.80061	-0.09242	0.04592	0.180119	9.08E-05
0.86268	-0.14028	0.00238	0.195611	2.07E-05
0.47924	-0.16747	0.00028	0.064688	0.16283
4.76E-06	0.006986	0.88032	-0.26716	4.49E-09
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0.13103	0.118305	0.01051	0.102333	0.02701
0.08088	-0.15527	0.00076	0.242456	1.13E-07
0.12446	-0.06347	0.17093	0.138993	0.00261
0.9045	-0.06563	0.15678	0.023049	0.61931
3.77E-05	0.072039	0.12004	0.178637	0.0001
0.03818	-0.0977	0.03479	0.142653	0.002
0.0441	-0.13397	0.00373	0.130469	0.00474
0.00661	-0.10389	0.02475	0.115898	0.0122
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0.5432	-0.14536	0.00164	0.146606	0.00149
0.07488	-0.01802	0.69774	0.11953	0.00973
0.08899	-0.09829	0.03371	0.158119	0.0006
0.02343	-0.10993	0.01748	0.206466	6.85E-06
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0.33645	-0.10851	0.019	0.107798	0.0198
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0.52593	0.105706	0.02234	-0.054	0.24412
0.12531	-0.12346	0.00756	0.084991	0.0665
0.13419	-0.16318	0.0004	0.130567	0.00471
0.02053	-0.13305	0.00397	0.372324	8.39E-17
0.30958	-0.14394	0.00182	0.444968	4.33E-24
0.47083	-0.151	0.00106	0.087171	0.05979
0.5436	-0.10611	0.02183	0.293883	9.33E-11
0.33541	-0.13552	0.00334	0.273473	1.87E-09
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0.03444	-0.03263	0.48184	0.207442	6.18E-06
0.00548	0.064113	0.1666	-0.11327	0.01432
0.79292	-0.08774	0.05814	0.153189	0.0009
0.09357	-0.06644	0.15172	0.204142	8.72E-06
0.12034	-0.1086	0.0189	0.150965	0.00107
0.23632	-0.14871	0.00127	0.094182	0.04192
0.09593	-0.16657	0.0003	0.15536	0.00075
0.65221	-0.24191	1.21E-07	0.199665	1.38E-05
0.01199	-0.18063	8.66E-05	0.195304	2.14E-05
0.28477	-0.15222	0.00097	0.09128	0.04868
0.25202	-0.15259	0.00094	0.09232	0.04616
0.12606	-0.21774	2.04E-06	0.208459	5.55E-06
0.58624	-0.16943	0.00023	0.189843	3.64E-05
0.34284	-0.127	0.00599	0.067771	0.14366
0.91875	-0.15753	0.00063	0.114272	0.01348
0.41438	-0.13782	0.00284	0.090073	0.05175
0.30659	-0.15386	0.00085	0.141931	0.00211
0.22448	-0.15279	0.00092	0.083777	0.07049
0.11481	-0.14673	0.00147	0.100638	0.02967
0.01867	-0.01998	0.66664	0.104483	0.02394
0.61544	-0.12974	0.00499	0.124823	0.00692
0.57726	-0.13265	0.00408	0.09569	0.03873
0.0535	-0.11059	0.01682	0.216468	2.34E-06
0.81402	-0.02638	0.56952	-0.0189	0.6838
0.36886	-0.09861	0.03313	0.102964	0.02608
0.27544	-0.04967	0.28408	0.140101	0.00241
0.37678	-0.12505	0.00682	0.201685	1.12E-05
0.91439	-0.16588	0.00032	0.153552	0.00087
0.52401	-0.05465	0.2385	0.281435	5.97E-10
0.00657	-0.03531	0.44646	-0.00436	0.9252
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0.50068	-0.17113	0.0002	0.351934	4.61E-15
0.38877	0.074279	0.10892	0.207739	5.99E-06
0.28128	-0.15476	0.00079	0.089975	0.052
0.00103	0.175007	0.00014	-0.07557	0.10287
0.02919	0.145353	0.00164	-0.39067	1.77E-18
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0.02996	-0.07185	0.12103	0.311465	5.79E-12
0.36835	-0.06895	0.13679	0.147718	0.00137
0.006	0.038845	0.4023	0.157962	0.00061
0.76267	-0.12777	0.00569	0.064686	0.16284
0.19887	-0.11871	0.01024	-0.04778	0.30284
0.99356	-0.10996	0.01745	0.191555	3.09E-05
0.06267	-0.07821	0.09138	0.201024	1.20E-05
0.39269	-0.10944	0.01799	0.162766	0.00041
0.81515	-0.08889	0.05492	0.127993	0.00561
0.0717	0.079807	0.08493	-0.11637	0.01185
0.70091	-0.08695	0.06044	0.019535	0.67371
0.00145	-0.18132	8.13E-05	0.195518	2.09E-05
0.22059	-0.21034	4.54E-06	0.317739	2.05E-12
0.03955	-0.05241	0.25836	0.093202	0.0441
0.12896	-0.11434	0.01342	0.146823	0.00146
1.74E-05	0.130914	0.0046	0.059361	0.20037
0.30105	-0.03097	0.5044	0.244692	8.54E-08
0.15355	-0.143	0.00195	0.389257	2.41E-18
0.46292	-0.0978	0.03462	0.130881	0.00461
0.14411	-0.15487	0.00078	0.068705	0.13821
0.81055	-0.14557	0.00161	0.143801	0.00184
0.1047	-0.0923	0.0462	0.238052	1.93E-07
0.61302	-0.00354	0.93918	0.096037	0.03802
0.6624	-0.15553	0.00074	0.052095	0.26122
0.01729	0.038957	0.40094	0.163217	0.0004
0.55263	-0.15199	0.00098	0.14467	0.00172
0.71588	-0.02971	0.52189	-0.0694	0.13427
0.64742	-0.17313	0.00017	0.187103	4.73E-05
0.29938	-0.12491	0.00688	0.050605	0.27511
0.03834	-0.13436	0.00363	0.145209	0.00165
1.58E-05	0.030477	0.51118	0.36584	3.09E-16
0.35563	-0.12678	0.00608	0.079522	0.08605
0.28759	-0.07809	0.09186	-0.03092	0.50505
0.20668	-0.09168	0.0477	0.064523	0.1639
0.97219	-0.07333	0.1135	-0.00913	0.84396
0.00012	-0.10995	0.01746	0.25676	1.82E-08
0.28506	-0.14039	0.00236	0.085682	0.06431
0.00185	-0.13159	0.00439	0.083382	0.07183
0.23571	-0.10865	0.01885	0.133241	0.00392

0.29627	-0.09373	0.04291	0.163894	0.00038
0.00022	-0.01831	0.69307	0.007297	0.87504
0.30031	-0.06959	0.13317	0.018013	0.69783
0.63151	-0.07743	0.09464	0.131059	0.00456
0.70549	-0.11341	0.0142	0.145096	0.00167
0.30809	-0.06793	0.14273	0.106623	0.02119
0.84717	-0.11225	0.01523	0.116507	0.01175
0.06216	-0.02301	0.61988	0.200624	1.25E-05
0.72567	-0.11459	0.01321	0.132875	0.00402
0.111	-0.16687	0.00029	0.37174	9.45E-17
0.27176	-0.11588	0.01222	0.208938	5.28E-06
0.24413	0.19543	2.11E-05	0.069516	0.1336
0.80731	-0.12336	0.00761	0.277327	1.08E-09
0.22426	-0.22027	1.54E-06	0.092707	0.04525
0.73298	-0.05706	0.21844	0.087158	0.05983
0.66102	-0.13002	0.00489	0.294031	9.12E-11
0.3034	-0.13111	0.00454	0.122985	0.0078
0.60433	-0.10282	0.0263	0.168088	0.00026
8.14E-09	-0.15443	0.00081	0.531167	2.34E-35
0.00338	-0.11569	0.01235	0.407558	4.09E-20
0.41355	0.015505	0.73823	0.171179	0.0002
0.05906	0.022169	0.63276	-0.01979	0.66965
0.5115	0.067312	0.1464	-0.02196	0.63598
0.86365	-0.09026	0.05127	0.220485	1.50E-06
0.76401	-0.15238	0.00096	0.057964	0.21119
0.82935	-0.10369	0.02504	0.072456	0.1179
0.78541	-0.17588	0.00013	0.269085	3.45E-09
0.08833	-0.04095	0.37723	0.158803	0.00057
0.32399	-0.12332	0.00763	0.114403	0.01337
0.81698	-0.15651	0.00069	0.192378	2.85E-05
8.68E-06	-0.10481	0.0235	0.389256	2.41E-18
0.00145	-0.17185	0.00019	0.170669	0.00021
0.77091	-0.12281	0.00788	0.158157	0.0006
0.45006	-0.12154	0.00856	0.231316	4.32E-07
0.13875	-0.17972	9.41E-05	0.235021	2.79E-07
0.08472	-0.21022	4.61E-06	0.199869	1.35E-05
0.37786	-0.22774	6.57E-07	0.205709	7.41E-06
0.00951	-0.09623	0.03764	0.420039	2.19E-21
0.04666	-0.01648	0.72247	-0.11623	0.01195
0.17949	-0.14579	0.00158	0.353718	3.28E-15
0.25687	-0.10785	0.01974	0.286672	2.77E-10
0.00028	-0.13792	0.00282	0.126393	0.00624
0.30441	-0.191	3.26E-05	0.066847	0.14921
0.0002	-0.13283	0.00403	0.191151	3.21E-05
0.53041	-0.26542	5.71E-09	0.19553	2.09E-05

0.03296	-0.15433	0.00082	0.433889	7.35E-23
0.38182	-0.155	0.00078	0.344996	1.69E-14
0.04589	-0.07557	0.10288	0.321915	1.01E-12
0.84429	-0.13044	0.00475	0.008214	0.85948
0.0176	-0.15818	0.0006	0.230999	4.49E-07
0.09936	-0.01911	0.68042	0.065035	0.16058
4.70E-07	0.075953	0.10114	-0.24175	1.23E-07
0.12729	0.369869	1.38E-16	-0.32854	3.24E-13
6.98E-09	0.059501	0.19931	-0.25705	1.75E-08
7.59E-09	-0.1773	0.00012	0.217482	2.09E-06
0.00012	-0.08841	0.05623	0.318906	1.69E-12
4.48E-09	-0.06868	0.13833	0.430576	1.68E-22
0.29218	-0.2182	1.93E-06	0.288553	2.09E-10
1.34E-08	-0.09913	0.03222	0.494017	4.18E-30
8.98E-07	-0.20288	9.93E-06	0.36085	8.28E-16
2.73E-13	-0.10563	0.02243	0.377267	3.04E-17
0.00324	0.249879	4.44E-08	-0.36623	2.86E-16
3.05E-12	-0.04895	0.29119	0.413561	1.02E-20
2.52E-10	-0.15461	0.0008	0.302711	2.36E-11
3.52E-10	-0.1049	0.02338	0.158059	0.00061
1.32E-05	-0.13161	0.00439	0.260848	1.06E-08
4.55E-05	0.068535	0.13919	-0.19758	1.70E-05
0.00286	-0.14751	0.00139	0.25289	3.01E-08
0.00017	-0.09825	0.03378	0.329248	2.87E-13
1.60E-07	-0.10919	0.01826	0.342963	2.46E-14
3.52E-09	-0.13364	0.00381	0.318123	1.92E-12
4.64E-07	-0.12588	0.00645	0.296898	5.87E-11
2.26E-26	0.092812	0.045	0.246287	6.99E-08
0.1165	-0.17627	0.00013	0.363789	4.65E-16
3.53E-12	0.051789	0.26403	0.193279	2.61E-05
8.29E-32	0.25427	2.52E-08	0.435658	4.71E-23
4.01E-09	-0.10185	0.02775	0.319675	1.48E-12
1.45E-10	-0.05591	0.22782	0.340287	4.01E-14
0.00025	-0.11395	0.01374	0.336768	7.57E-14
6.91E-34	0.148176	0.00132	0.478886	3.81E-28
1.41E-09	-0.17377	0.00016	0.262519	8.45E-09
8.58E-14	-0.13187	0.00431	0.305903	1.42E-11
0.00374	-0.20727	6.29E-06	0.162187	0.00043
1.41E-15	0.112422	0.01507	0.37762	2.83E-17
0.0232	-0.20256	1.03E-05	0.172581	0.00018
2.60E-11	-0.13489	0.0035	0.27505	1.49E-09
2.11E-07	-0.16598	0.00032	0.320769	1.23E-12
1.33E-10	-0.01192	0.79726	0.169948	0.00022
3.39E-06	-0.15793	0.00061	0.19182	3.01E-05
1.92E-07	-0.02818	0.54361	0.416913	4.61E-21

0.00663	-0.07735	0.09499	0.346294	1.33E-14
1.16E-16	-0.01955	0.67343	0.350211	6.39E-15
9.12E-08	-0.14381	0.00183	0.329482	2.75E-13
9.21E-10	-0.01067	0.81811	0.111134	0.01628
3.91E-14	0.129413	0.0051	0.322994	8.44E-13
1.97E-08	-0.01929	0.67762	0.232994	3.55E-07
0.00011	-0.02869	0.53629	0.273771	1.79E-09
7.18E-07	-0.19503	2.19E-05	0.10201	0.0275
1.78E-08	-0.05597	0.22734	0.371941	9.07E-17
3.89E-08	0.008875	0.8483	0.453763	4.25E-25
0.00096	-0.0826	0.07455	0.425492	5.86E-22
1.25E-06	-0.19298	2.68E-05	0.250251	4.23E-08
9.23E-06	-0.21244	3.63E-06	0.203919	8.93E-06
3.53E-07	-0.02392	0.60609	0.151632	0.00101
1.34E-10	-0.12248	0.00805	0.209085	5.20E-06
2.06E-10	0.05209	0.26126	-0.42147	1.55E-21
4.22E-10	0.037144	0.42324	-0.22458	9.44E-07
0.00019	-0.17788	0.00011	0.341442	3.25E-14
1.10E-18	-0.00481	0.91735	0.260578	1.10E-08
2.94E-09	0.012058	0.79495	0.373437	6.68E-17
5.47E-05	-0.19469	2.27E-05	0.378498	2.35E-17
2.50E-09	-0.11568	0.01236	0.306102	1.38E-11
1.97E-05	-0.23891	1.74E-07	0.178462	0.00011
7.90E-14	-0.06369	0.16939	0.195693	2.05E-05
0.00256	0.173692	0.00016	-0.216	2.46E-06
1.12E-05	-0.12238	0.00811	0.517836	2.13E-33
1.14E-13	-0.09174	0.04754	0.202401	1.04E-05
0.00064	0.208421	5.57E-06	-0.32184	1.03E-12
1.49E-05	-0.13286	0.00402	0.279484	7.93E-10
0.00033	-0.25476	2.36E-08	0.12531	0.0067
6.03E-06	-0.21962	1.65E-06	0.224016	1.01E-06
1.46E-07	-0.21209	3.77E-06	0.239632	1.60E-07
1.89E-22	0.053322	0.25013	0.178497	0.00011
9.55E-07	-0.01016	0.82662	0.209427	5.01E-06
9.44E-08	-0.1819	7.71E-05	0.338421	5.62E-14
0.20278	0.228134	6.27E-07	-0.21733	2.13E-06
2.40E-05	0.103268	0.02564	-0.19941	1.42E-05
9.42E-06	-0.22041	1.51E-06	0.26642	4.98E-09
1.52E-09	0.047194	0.30882	0.344274	1.93E-14
1.21E-09	-0.11321	0.01437	0.369938	1.36E-16
8.23E-11	-0.13245	0.00414	0.171235	0.0002
8.10E-10	-0.1727	0.00018	0.211698	3.93E-06
2.02E-09	-0.15397	0.00084	0.216697	2.28E-06
0.00422	0.216662	2.29E-06	-0.40336	1.07E-19
1.00E-06	0.057723	0.21309	-0.22923	5.52E-07

0.00076	-0.08068	0.08155	0.205167	7.84E-06
0.0012	0.199869	1.35E-05	-0.24882	5.08E-08
3.37E-07	-0.03326	0.47337	0.393004	1.07E-18
0.00143	-0.26646	4.95E-09	0.069662	0.13279
0.00173	-0.22256	1.19E-06	0.302904	2.29E-11
0.00952	-0.15177	0.001	0.281118	6.25E-10
2.47E-09	0.033334	0.47237	0.346877	1.19E-14
1.42E-05	-0.14308	0.00194	0.222515	1.19E-06
0.00052	0.133445	0.00386	-0.27734	1.08E-09
2.35E-22	0.24116	1.32E-07	0.067668	0.14427
1.83E-06	-0.04009	0.38732	0.540883	7.70E-37
2.92E-05	-0.16429	0.00036	0.52251	4.49E-34
9.96E-05	-0.21528	2.67E-06	0.244122	9.17E-08
3.94E-10	0.004529	0.92225	0.296564	6.18E-11
3.89E-06	-0.17228	0.00018	0.325665	5.34E-13
8.49E-13	-0.01513	0.74441	0.231049	4.46E-07
7.46E-14	-0.08604	0.06319	0.230734	4.63E-07
2.93E-20	0.111893	0.01556	0.383838	7.67E-18
1.21E-10	-0.13137	0.00446	0.239442	1.63E-07
6.94E-07	-0.06695	0.14859	0.268469	3.75E-09
0.00012	-0.17949	9.62E-05	0.312089	5.23E-12
3.35E-05	-0.19686	1.83E-05	0.28649	2.84E-10
0.14656	-0.20934	5.05E-06	0.104301	0.02419
0.00014	-0.21957	1.66E-06	0.172423	0.00018
0.12709	-0.28082	6.54E-10	0.367558	2.20E-16
2.62E-09	-0.10151	0.02828	0.33228	1.68E-13
2.68E-08	-0.18794	4.37E-05	0.197526	1.71E-05
1.05E-07	-0.07695	0.09673	0.393312	9.98E-19
0.00013	-0.13897	0.00261	0.443762	5.93E-24
0.00633	-0.21784	2.01E-06	0.3973	4.14E-19
7.95E-07	-0.16645	0.0003	0.171072	0.0002
9.96E-08	-0.20864	5.45E-06	0.240936	1.36E-07
9.66E-06	-0.20438	8.51E-06	0.124306	0.00716
6.18E-09	-0.18594	5.28E-05	0.311442	5.81E-12
2.24E-21	0.051947	0.26257	0.308445	9.46E-12
1.88E-08	-0.04375	0.34546	0.369984	1.35E-16
2.11E-08	-0.15394	0.00084	0.20329	9.53E-06
6.16E-13	-0.03189	0.49182	0.349652	7.09E-15
0.01381	-0.20035	1.29E-05	0.476947	6.69E-28
1.39E-10	-0.02298	0.6203	0.436674	3.64E-23
2.08E-16	0.006888	0.88199	0.557391	1.79E-39
3.86E-10	0.015091	0.74497	0.178809	0.0001
2.16E-09	0.040114	0.3871	-0.2632	7.71E-09
0.00362	-0.2234	1.08E-06	0.465937	1.53E-26
0.00056	-0.26114	1.02E-08	0.107509	0.02014

7.30E-15	-0.08341	0.07175	0.349795	6.91E-15
1.65E-06	-0.11539	0.01259	0.546724	9.35E-38
5.01E-10	0.063484	0.17081	-0.47937	3.31E-28
5.18E-14	0.022736	0.62408	0.424553	7.37E-22
0.01385	-0.16448	0.00036	0.166992	0.00029
2.29E-16	-0.07999	0.08421	0.472308	2.53E-27
0.08208	-0.28598	3.07E-10	0.094662	0.04088
0.00101	-0.12025	0.00929	0.335069	1.03E-13
0.13316	-0.17446	0.00015	0.093842	0.04266
1.22E-21	0.082076	0.07641	0.327226	4.07E-13
3.76E-05	-0.2051	7.90E-06	0.206242	7.01E-06
1.93E-05	-0.09789	0.03444	0.202616	1.02E-05
7.85E-11	-0.122	0.00831	0.199112	1.46E-05
7.36E-08	-0.1789	0.0001	0.252488	3.17E-08
1.21E-12	0.034843	0.45255	0.585444	2.64E-44
5.26E-11	-0.15151	0.00102	0.307792	1.05E-11
7.62E-09	0.022195	0.63236	-0.22412	9.95E-07
2.99E-06	-0.17862	0.0001	0.168439	0.00026
0.61313	0.245737	7.49E-08	-0.10647	0.02138
1.33E-23	0.156731	0.00068	0.356783	1.82E-15
8.33E-05	-0.13149	0.00442	0.211472	4.03E-06
1.46E-07	-0.10435	0.02412	0.312551	4.85E-12
0.00911	-0.23129	4.34E-07	0.483045	1.13E-28
4.93E-05	-0.1446	0.00173	0.246996	6.40E-08
1.49E-15	-0.09567	0.03876	0.524237	2.51E-34
1.04E-09	-0.11118	0.01624	0.491241	9.72E-30
6.38E-10	-0.21739	2.11E-06	0.265417	5.71E-09
4.16E-16	0.02959	0.52356	0.580441	2.08E-43
8.70E-05	-0.09305	0.04445	0.33564	9.26E-14
3.65E-15	0.115684	0.01236	0.212971	3.43E-06
1.48E-05	-0.03835	0.40833	0.232673	3.68E-07
6.27E-14	-0.12788	0.00565	0.373394	6.74E-17
8.59E-17	-0.02881	0.53453	0.407859	3.82E-20
5.83E-13	0.049745	0.28337	0.254828	2.34E-08
6.02E-06	-0.19589	2.02E-05	0.169804	0.00023
3.16E-06	-0.22493	9.07E-07	0.441597	1.04E-23
7.41E-06	-0.16712	0.00029	0.301065	3.07E-11
0.00023	-0.26869	3.64E-09	0.19441	2.33E-05
0.0002	-0.18753	4.54E-05	0.50509	1.33E-31
5.68E-08	-0.14561	0.0016	0.183648	6.55E-05
5.45E-12	0.004251	0.92701	0.30798	1.02E-11
4.56E-09	-0.01394	0.7639	-0.19603	1.99E-05
2.20E-10	-0.13539	0.00337	0.290474	1.57E-10
8.58E-13	-0.03689	0.42639	0.388327	2.94E-18
4.40E-06	-0.01727	0.70976	0.227884	6.46E-07



3.09E-07	-0.12952	0.00506	0.171172	0.0002
7.48E-15	-0.06934	0.13461	0.374128	5.80E-17
0.00015	-0.16006	0.00052	0.477113	6.38E-28
0.0233	-0.24378	9.57E-08	0.409962	2.35E-20
1.63E-08	-0.11119	0.01622	-0.03946	0.39489
7.94E-05	-0.11152	0.01591	0.577321	7.39E-43
3.44E-07	-0.09592	0.03827	0.289554	1.80E-10
5.78E-07	-0.24032	1.47E-07	0.453809	4.20E-25
0.11348	-0.22567	8.33E-07	0.341972	2.95E-14
2.75E-06	0.190912	3.28E-05	-0.44941	1.35E-24
0.06224	0.246549	6.77E-08	-0.41169	1.57E-20
0.00223	-0.14053	0.00234	0.430129	1.88E-22
1.14E-16	0.051803	0.2639	0.267334	4.39E-09
1.97E-11	-0.06379	0.16874	0.371065	1.08E-16
2.72E-05	-0.22953	5.33E-07	0.318889	1.69E-12
4.41E-06	-0.06249	0.17763	0.334397	1.16E-13
3.15E-12	-0.11914	0.00997	0.286081	3.02E-10
8.64E-07	-0.23159	4.19E-07	0.352601	4.06E-15
5.33E-08	-0.07092	0.12591	0.471518	3.17E-27
8.49E-10	-0.02078	0.65415	0.43095	1.53E-22
1.40E-06	-0.20096	1.21E-05	0.291168	1.41E-10
1.86E-05	-0.09434	0.04157	0.50033	5.93E-31
1.47E-10	-0.19559	2.08E-05	0.320119	1.37E-12
6.88E-12	-0.11907	0.01001	0.391337	1.53E-18
3.90E-05	-0.17466	0.00015	0.3828	9.56E-18
2.37E-08	-0.07766	0.0937	0.51192	1.48E-32
1.38E-14	-0.05887	0.20416	0.150501	0.00111
0.00054	-0.23866	1.80E-07	0.380489	1.55E-17
0.04961	-0.18171	7.84E-05	0.445899	3.40E-24
3.46E-14	0.019231	0.67849	0.201486	1.15E-05
3.08E-08	-0.065	0.16081	0.182978	6.97E-05
8.42E-07	-0.09382	0.04271	0.393787	8.99E-19
1.80E-10	-0.07482	0.10636	0.366881	2.51E-16
0.05394	-0.17083	0.00021	0.303244	2.17E-11
2.37E-06	-0.24938	4.73E-08	0.278773	8.78E-10
2.48E-06	-0.0939	0.04254	0.420227	2.09E-21
9.80E-06	-0.12925	0.00515	0.508762	4.11E-32
0.00349	-0.1265	0.00619	0.169696	0.00023
6.26E-05	-0.07016	0.13005	0.494619	3.47E-30
3.27E-07	-0.15887	0.00057	0.306248	1.35E-11
0.00182	-0.16687	0.00029	0.140617	0.00232
0.08092	0.038768	0.40324	-0.32846	3.29E-13
2.45E-05	-0.06026	0.19359	-0.36186	6.80E-16
0.00694	-0.13717	0.00297	0.387817	3.28E-18
0.88281	0.304512	1.78E-11	-0.44873	1.62E-24

0.00353	0.0272	0.55766	-0.44275	7.71E-24
4.39E-05	0.010447	0.82185	-0.44372	5.99E-24
0.10987	0.022912	0.62139	-0.23974	1.57E-07
0.00813	0.092391	0.04599	-0.33061	2.26E-13
5.99E-05	0.023429	0.61355	-0.45991	8.06E-26
0.0005	0.004324	0.92576	-0.40257	1.27E-19
5.70E-09	-0.07953	0.08603	-0.50174	3.82E-31
4.71E-06	-0.00222	0.96185	-0.4919	7.96E-30
0.11021	0.140637	0.00232	-0.49069	1.15E-29
0.62549	0.173034	0.00017	-0.36257	5.92E-16
9.96E-07	0.060454	0.1922	0.547119	8.10E-38
1.91E-07	-0.01357	0.76985	-0.43216	1.13E-22
0.35243	0.160603	0.00049	-0.42029	2.06E-21
0.00035	0.114364	0.0134	-0.47284	2.18E-27
1.32E-06	-0.02402	0.60457	-0.62362	1.10E-51
1.85E-05	-0.13814	0.00277	-0.32372	7.45E-13
0.00042	-0.05213	0.26092	-0.32534	5.64E-13
0.00221	-0.00049	0.99156	-0.30135	2.93E-11
0.32753	0.152008	0.00098	-0.5827	8.22E-44
0.00041	-0.00444	0.92372	-0.31491	3.28E-12
1.30E-05	-0.01083	0.81551	-0.43248	1.04E-22
0.30632	0.222583	1.18E-06	-0.42814	3.06E-22
3.17E-08	-0.04184	0.36702	0.644027	4.58E-56
6.22E-21	0.181285	8.16E-05	0.56391	1.48E-40
1.75E-11	-0.05528	0.23316	-0.486	4.70E-29
2.89E-05	-0.04311	0.35266	-0.36265	5.82E-16
4.99E-09	0.00731	0.87481	-0.54878	4.41E-38
0.00011	-0.03021	0.51493	-0.42672	4.34E-22
0.26278	0.11047	0.01693	-0.41996	2.23E-21
0.00344	0.116639	0.01165	-0.43494	5.65E-23
0.1194	0.052078	0.26137	-0.29525	7.57E-11
0.25348	0.063983	0.16747	-0.30606	1.39E-11
0.00039	0.033585	0.46905	-0.21521	2.69E-06
0.27388	0.023804	0.60788	-0.39212	1.29E-18
0.02106	-0.04054	0.38205	-0.30299	2.26E-11
0.0001	0.012477	0.78799	-0.47049	4.25E-27
2.40E-05	-0.02852	0.53873	-0.49354	4.83E-30
1.37E-18	0.141518	0.00217	0.651848	7.80E-58
0.00176	-0.03113	0.50214	-0.407	4.65E-20
0.01479	-0.01684	0.71668	-0.40224	1.37E-19
0.00736	0.012695	0.78437	-0.50025	6.08E-31
0.00113	-0.00148	0.97461	-0.50364	2.10E-31
0.00059	-0.01932	0.67707	-0.32619	4.87E-13
1.11E-05	0.035038	0.45002	-0.39964	2.46E-19
0.01205	0.03044	0.51169	-0.47789	5.10E-28

2.16E-06	-0.00053	0.99081	-0.31574	2.86E-12
1.92E-14	0.224361	9.68E-07	0.563455	1.77E-40
0.05805	-0.00127	0.9781	-0.35221	4.38E-15
9.72E-14	-0.11028	0.01712	-0.5374	2.65E-36
3.02E-07	-0.08974	0.05262	-0.57233	5.47E-42
0.90648	0.004162	0.92853	-0.22579	8.22E-07
0.00588	-0.03706	0.42429	-0.45368	4.35E-25
0.4338	0.013288	0.77456	-0.43441	6.44E-23
0.02266	0.082014	0.07663	-0.43319	8.75E-23
0.60952	0.126726	0.0061	-0.24717	6.26E-08
3.42E-06	0.027551	0.55258	0.598781	9.04E-47
0.00041	-0.00611	0.89521	-0.57339	3.58E-42
1.27E-06	0.040437	0.38328	-0.44886	1.56E-24
0.00016	-0.04396	0.34318	-0.34308	2.41E-14
7.89E-09	-0.08422	0.06901	-0.38136	1.29E-17
2.77E-05	-0.0684	0.13994	-0.49555	2.61E-30
0.01102	0.108227	0.01931	-0.54399	2.52E-37
0.06031	0.086047	0.06317	-0.31552	2.97E-12
3.83E-08	-0.05662	0.22197	0.766253	2.27E-91
0.0031	-0.21125	4.12E-06	0.489226	1.79E-29
3.79E-05	0.00191	0.96717	0.499511	7.66E-31
6.14E-05	-0.09103	0.04929	-0.21701	2.21E-06
6.28E-11	0.01867	0.68738	0.547354	7.43E-38
1.32E-11	0.000235	0.99596	-0.53036	3.10E-35
1.68E-11	-0.06398	0.1675	-0.60683	2.58E-48
3.00E-05	-0.03676	0.42808	0.448104	1.91E-24
5.06E-07	0.021636	0.64095	0.592304	1.47E-45
5.25E-19	-0.16835	0.00026	-0.54028	9.56E-37
5.00E-10	-0.01873	0.68636	-0.67213	1.12E-62
1.27E-10	0.015401	0.73992	0.69566	8.45E-69
8.58E-07	-0.04447	0.33764	-0.25945	1.27E-08
6.71E-12	-0.093	0.04457	-0.47237	2.49E-27
0.00158	-0.07153	0.12267	0.545318	1.56E-37
3.14E-07	0.04681	0.31278	0.419044	2.78E-21
0.14394	0.007842	0.86578	-0.55488	4.60E-39
0.74892	-0.00016	0.99728	-0.39706	4.37E-19
4.40E-08	-0.14563	0.0016	-0.29375	9.53E-11
2.25E-06	0.064764	0.16233	-0.58571	2.37E-44
3.97E-05	-0.03478	0.4533	-0.26584	5.39E-09
0.77447	0.114744	0.01309	-0.17306	0.00017
0.03571	0.140581	0.00233	-0.39973	2.41E-19
0.13313	0.047254	0.30821	-0.40622	5.55E-20
0.36606	0.154945	0.00078	-0.45102	8.82E-25
1.04E-06	-0.02609	0.5739	-0.52694	1.00E-34
0.9418	0.319572	1.51E-12	-0.56897	2.06E-41

0.08793	-0.08758	0.05859	-0.46733	1.03E-26
0.00323	0.080855	0.0809	-0.27457	1.60E-09
0.00077	-0.11478	0.01307	-0.37287	7.51E-17
0.14387	0.10391	0.02473	-0.24396	9.35E-08
9.70E-09	0.019277	0.67777	-0.58484	3.40E-44
0.00366	-0.11687	0.01149	-0.45527	2.84E-25
0.1152	0.131459	0.00443	-0.45776	1.45E-25
3.28E-11	0.014304	0.75785	0.721649	2.71E-76
0.00098	0.033633	0.46841	-0.42626	4.86E-22
0.24165	0.058867	0.20415	-0.17845	0.00011
6.66E-05	0.094881	0.04041	-0.44629	3.07E-24
0.32838	0.021375	0.64499	-0.46741	1.01E-26
3.15E-07	0.126324	0.00627	-0.45645	2.06E-25
1.14E-09	-0.03999	0.38853	-0.46031	7.23E-26
0.51772	0.042534	0.35908	-0.34328	2.32E-14
3.42E-10	0.002659	0.95431	-0.55431	5.68E-39
1.28E-05	0.023075	0.61891	-0.48233	1.39E-28
1.43E-11	0.198303	1.58E-05	0.545969	1.23E-37
2.20E-10	0.11723	0.01123	0.587473	1.13E-44
1.53E-08	0.022339	0.63015	-0.64042	2.88E-55
1.89E-05	0.045069	0.33114	-0.37572	4.18E-17
0.07252	0.10173	0.02793	-0.5366	3.52E-36
0.35599	0.156751	0.00068	-0.38965	2.21E-18
0.60197	0.091831	0.04733	-0.5268	1.05E-34
0.76526	-0.00164	0.97188	-0.37473	5.13E-17
0.88027	-0.07137	0.12352	-0.24914	4.87E-08
0.02055	-0.04833	0.29731	-0.49884	9.43E-31
3.04E-12	-0.05227	0.25959	-0.59521	4.24E-46
0.35287	0.275797	1.34E-09	-0.51119	1.88E-32
1.15E-09	-0.14546	0.00162	-0.38669	4.18E-18
1.91E-05	-0.03429	0.45978	-0.39946	2.56E-19
0.38015	0.111575	0.01585	-0.57844	4.70E-43
0.07443	0.114834	0.01302	-0.36449	4.05E-16
0.00863	-0.00905	0.8454	-0.38114	1.36E-17
5.03E-10	0.09776	0.03469	0.564043	1.41E-40
6.59E-09	-0.08284	0.07371	-0.37707	3.16E-17
3.76E-06	0.082578	0.07462	-0.53023	3.24E-35
0.00115	0.051439	0.26727	-0.47877	3.94E-28
0.00011	0.035011	0.45037	-0.40126	1.71E-19
0.00149	0.082204	0.07595	-0.19737	1.74E-05
6.14E-07	-0.05188	0.26321	0.653335	3.55E-58
2.78E-09	-0.06623	0.15299	-0.38766	3.40E-18
8.56E-11	-0.04903	0.2904	-0.55515	4.15E-39
0.00011	0.041507	0.37081	-0.41108	1.81E-20
6.48E-07	-0.03755	0.41818	-0.27508	1.49E-09

0.22897	-0.04477	0.33431	0.214289	2.97E-06
1.60E-06	-0.07742	0.09471	0.328909	3.04E-13
2.73E-05	0.056463	0.22327	0.067021	0.14816
0.5977	-0.09155	0.04801	0.04515	0.33027
0.51442	-0.14237	0.00204	0.07928	0.08701
1.88E-05	-0.09448	0.04127	0.291526	1.34E-10
0.21112	-0.09745	0.03526	0.161427	0.00046
0.00027	-0.14322	0.00192	0.332621	1.58E-13
0.01343	-0.22639	7.68E-07	0.281254	6.13E-10
0.00217	-0.25248	3.18E-08	0.293037	1.06E-10
0.1961	0.112178	0.01529	-0.00163	0.97194
0.20655	-0.09547	0.03919	-0.15877	0.00057
0.05235	-0.04088	0.37813	0.213209	3.34E-06
0.00096	-0.05015	0.27944	0.286015	3.05E-10
0.00075	0.022071	0.63427	-0.09098	0.04943
4.53E-09	-0.05649	0.22305	0.076067	0.10063
0.03252	-0.15684	0.00067	-0.25786	1.57E-08
0.45154	0.097369	0.03542	-0.0752	0.10458
2.08E-06	-0.06756	0.14494	0.608457	1.24E-48
7.50E-08	-0.08149	0.07854	0.068389	0.14003
1.09E-06	0.015025	0.74606	-0.17652	0.00013
0.94005	0.140556	0.00233	-0.02544	0.58349
0.00022	-0.09108	0.04917	-0.15219	0.00097
0.63045	0.025205	0.58691	0.145263	0.00165
0.14959	-0.21125	4.13E-06	-0.03755	0.41823
0.93925	0.041116	0.37534	0.277971	9.85E-10
0.15722	0.065263	0.15911	0.150156	0.00114
9.12E-06	-0.14202	0.0021	0.080323	0.08293
0.00438	-0.07422	0.10917	-0.11491	0.01296
0.01593	-0.18567	5.42E-05	0.082806	0.07382
0.01206	-0.18818	4.27E-05	0.033503	0.47013
0.11752	0.104618	0.02376	0.112712	0.01481
0.15396	-0.05488	0.23657	-0.05176	0.26434
0.72652	0.062897	0.17481	0.139529	0.00251
0.08647	-0.06021	0.194	-0.03321	0.47396
0.0002	-0.13017	0.00484	0.431951	1.19E-22
4.09E-05	-0.16206	0.00044	0.262937	7.99E-09
0.00108	-0.01635	0.7245	-0.04909	0.28972
0.00014	-0.14	0.00243	0.224558	9.46E-07
0.96195	0.12612	0.00635	-0.10635	0.02153
0.74659	-0.03797	0.41301	-0.26208	8.97E-09
0.12892	0.236568	2.31E-07	-0.21746	2.10E-06
0.02574	0.03097	0.50437	0.069959	0.13114
0.00298	-0.10928	0.01816	0.367116	2.40E-16
0.00029	-0.12326	0.00766	0.384591	6.54E-18

0.00372	-0.1976	1.70E-05	0.308725	9.04E-12
2.51E-11	-0.0239	0.60639	-0.18979	3.66E-05
0.75049	-0.13787	0.00283	0.077807	0.09306
0.04371	-0.19926	1.44E-05	0.234816	2.86E-07
0.03747	0.20616	7.07E-06	0.163058	0.0004
0.19763	-0.19586	2.02E-05	-0.07766	0.0937
0.26544	0.082003	0.07667	0.063321	0.17192
0.00894	-0.08256	0.07468	0.009062	0.84516
0.03059	-0.07562	0.10266	0.088489	0.05602
0.16238	-0.17231	0.00018	0.080371	0.08274
0.04098	0.021952	0.6361	0.111925	0.01553
0.00365	0.039955	0.38898	0.015991	0.73034
0.00104	0.016265	0.72591	-0.05279	0.25485
2.62E-05	0.04577	0.32366	-0.19764	1.69E-05
0.00539	-0.04859	0.29469	0.101979	0.02755
0.1141	0.142414	0.00203	0.162038	0.00044
0.00214	-0.06206	0.18064	0.155108	0.00077
0.11492	0.140518	0.00234	0.047007	0.31074
0.19367	0.081068	0.08011	0.037288	0.42145
1.77E-05	-0.0798	0.08496	0.133814	0.00377
0.00631	-0.14717	0.00143	0.12426	0.00718
0.10691	-0.14845	0.00129	0.306697	1.25E-11
0.02148	-0.01693	0.71515	0.11227	0.01521
0.90252	0.093701	0.04298	-0.17684	0.00012
0.00417	-0.05147	0.26697	-0.03169	0.4945
0.82416	-0.20123	1.18E-05	0.042729	0.35688
0.13071	-0.04957	0.28511	-0.01806	0.69706
0.27671	0.004332	0.92562	0.095217	0.0397
0.00069	0.107265	0.02042	-0.01255	0.78681
4.10E-11	0.063752	0.16901	-0.00726	0.87559
0.42095	-0.07114	0.12473	-0.13682	0.00305
0.05906	-0.29571	7.05E-11	0.015854	0.73258
2.03E-06	0.00667	0.8857	0.043668	0.3464
0.49635	-0.05514	0.23428	-0.1682	0.00026
0.01224	0.176238	0.00013	-0.12322	0.00768
0.18945	-0.07808	0.09192	-0.13207	0.00425
0.02543	-0.24325	1.02E-07	0.193278	2.61E-05
0.07977	-0.13104	0.00456	0.431077	1.48E-22
2.58E-05	-0.0818	0.07741	0.187862	4.40E-05
0.38114	0.276984	1.13E-09	-0.42105	1.72E-21
0.43539	-0.15196	0.00099	0.173537	0.00016
5.14E-16	0.083371	0.07187	0.158355	0.00059
0.96494	-0.09716	0.03582	-0.02878	0.53495
0.33595	0.147755	0.00136	-0.11171	0.01573
0.00407	-0.04513	0.33043	0.146638	0.00149

5.02E-06	-0.00942	0.83905	0.01136	0.80658
6.81E-08	0.041496	0.37094	0.192602	2.79E-05
0.49361	-0.08342	0.0717	0.032709	0.48073
0.07212	0.093172	0.04417	-0.12264	0.00797
0.02336	0.251202	3.75E-08	0.204421	8.47E-06
1.18E-23	0.253616	2.74E-08	0.263815	7.09E-09
8.66E-06	-0.10156	0.02819	0.376292	3.72E-17
3.98E-10	-0.06445	0.16439	0.405149	7.10E-20
0.0331	0.03862	0.40504	-0.18046	8.80E-05
0.34865	0.072865	0.11583	0.116985	0.01141
0.02548	-0.25758	1.63E-08	0.371274	1.04E-16
0.08004	-0.21252	3.60E-06	0.337708	6.39E-14
0.08607	-0.13366	0.00381	0.170287	0.00022
2.28E-05	-0.13713	0.00298	0.195739	2.05E-05
0.87303	-0.166	0.00031	0.203518	9.30E-06
0.16251	-0.1747	0.00015	-0.08966	0.05284
0.28213	-0.04851	0.29553	-0.03704	0.42451
0.71135	-0.15192	0.00099	-0.03428	0.45995
0.15062	-0.1772	0.00012	0.049742	0.2834
0.13085	-0.12869	0.00535	0.003379	0.94194
0.00018	0.070265	0.12946	0.052823	0.25459
0.14616	-0.07836	0.09076	-0.0908	0.04988
0.87242	0.116867	0.01149	0.073308	0.11363
0.88738	-0.12072	0.00902	-0.07015	0.13011
0.01248	0.009794	0.83281	0.120668	0.00905
0.01306	-0.10809	0.01947	0.30076	3.22E-11
4.59E-11	0.073597	0.11221	0.267619	4.22E-09
0.07242	-0.1075	0.02015	0.039574	0.39353
0.50236	-0.19929	1.43E-05	0.045192	0.32981
0.37169	-0.1397	0.00248	0.110683	0.01672
0.43552	-0.09128	0.04867	-0.15824	0.0006
0.04938	-0.08308	0.07287	0.110892	0.01651
0.2423	0.056996	0.21892	0.066941	0.14864
0.08767	-0.12085	0.00894	0.039768	0.3912
0.0056	0.034396	0.45837	-0.15379	0.00085
0.13965	0.1058	0.02222	0.290393	1.58E-10
3.16E-05	-0.03627	0.4342	0.105665	0.02239
0.9819	0.085848	0.06379	0.027521	0.55301
4.13E-07	0.088788	0.05519	0.116451	0.01179
6.84E-05	-0.00417	0.92832	0.100696	0.02957
1.71E-05	0.01181	0.79908	0.002391	0.9589
0.00189	-0.12101	0.00885	0.192361	2.85E-05
0.5904	0.057066	0.21836	0.12047	0.00916
0.09155	-0.09113	0.04906	-0.08683	0.06081
0.7056	0.00415	0.92872	0.288117	2.23E-10

0.88898	-0.07423	0.10917	-0.01053	0.8204
0.24557	-0.01474	0.75069	0.03816	0.41066
0.35587	-0.10831	0.01922	0.124216	0.0072
0.33571	0.152075	0.00098	-0.05156	0.26616
0.04476	0.216093	2.44E-06	0.039221	0.39776
0.00139	0.0648	0.1621	0.028338	0.54128
0.00083	-0.07889	0.08859	0.122866	0.00786
0.03938	-0.09304	0.04448	0.180013	9.17E-05
0.41829	-0.15166	0.00101	0.241692	1.24E-07
0.83834	-0.11367	0.01398	0.091543	0.04803
0.4521	-0.15683	0.00067	0.141422	0.00219
0.0008	-0.04344	0.34889	0.101368	0.0285
0.01106	-0.12565	0.00655	0.099626	0.03136
0.96301	-0.00025	0.99562	-0.12017	0.00934
0.00156	0.177043	0.00012	-0.29847	4.60E-11
0.001	-0.02965	0.52269	0.240651	1.41E-07
0.96886	-0.16368	0.00038	0.023536	0.61193
6.21E-06	-0.04879	0.2927	-0.23149	4.24E-07
0.56042	-0.03101	0.50375	-0.12954	0.00505
0.29365	0.075815	0.10177	-0.01974	0.67053
0.54494	0.152292	0.00096	0.075255	0.10433
3.62E-08	-0.08523	0.06574	0.220713	1.46E-06
0.0001	-0.08827	0.05662	0.128881	0.00528
0.00096	-0.14091	0.00227	0.197906	1.65E-05
0.59238	-0.04973	0.28356	0.311999	5.30E-12
0.78481	-0.12915	0.00519	-0.01652	0.72176
0.01098	0.000968	0.98335	0.019951	0.66717
0.12767	0.163875	0.00038	-0.39454	7.62E-19
0.82315	0.170368	0.00022	0.032795	0.47957
1.31E-08	-0.07839	0.09065	0.307361	1.13E-11
9.76E-06	0.28107	6.30E-10	-0.01175	0.80015
3.08E-05	-0.04988	0.28206	-0.00547	0.90612
0.01914	0.145565	0.00161	0.118302	0.01051
0.26619	0.104249	0.02426	0.156505	0.00069
0.00806	-0.11319	0.01439	0.216448	2.35E-06
0.50197	0.076166	0.10019	0.100707	0.02956
0.11737	0.000138	0.99763	-0.0264	0.56931
0.52917	0.083063	0.07293	0.133154	0.00394
0.48387	-0.23495	2.81E-07	0.165479	0.00033
0.08697	-0.01363	0.76886	-0.23275	3.65E-07
0.20356	-0.18864	4.09E-05	0.23844	1.84E-07
0.01555	-0.08269	0.07421	-0.07088	0.12613
0.76546	-0.04238	0.3608	-0.19445	2.32E-05
0.00837	0.070185	0.1299	-0.30882	8.90E-12
0.36642	0.064961	0.16105	0.30504	1.63E-11



0.03232	-0.04786	0.30204	0.120327	0.00925
0.00233	-0.15525	0.00076	-0.01336	0.77344
0.51838	0.065651	0.15664	0.266949	4.63E-09
0.84382	-0.11203	0.01543	-0.0877	0.05825
0.04475	-0.1065	0.02134	0.048473	0.29588
0.77629	-0.18896	3.96E-05	0.11092	0.01649
0.92226	0.132976	0.00399	0.061277	0.1862
0.00374	0.062306	0.1789	0.08363	0.07099
0.00071	-0.11817	0.0106	0.210326	4.55E-06
9.43E-14	0.080725	0.08139	0.235694	2.57E-07
1.55E-13	-0.09911	0.03224	-0.29582	6.93E-11
0.00059	0.076837	0.09723	0.308498	9.38E-12
3.04E-05	0.120172	0.00934	-0.02515	0.58778
0.00662	0.056918	0.21956	-0.17805	0.00011
0.63892	0.261427	9.79E-09	-0.18461	5.99E-05
0.03188	-0.21889	1.79E-06	0.088595	0.05572
0.15538	-0.18233	7.40E-05	0.243556	9.84E-08
0.15571	-0.18977	3.67E-05	-0.06018	0.19423
0.00485	0.01239	0.78943	-0.05193	0.26268
0.29932	-0.14324	0.00191	0.024807	0.59284
0.00516	-0.04856	0.29499	0.221543	1.33E-06
0.08381	-0.10666	0.02115	0.043244	0.35111
0.01512	0.064434	0.16449	-0.0155	0.73831
0.00092	-0.14648	0.0015	0.244793	8.44E-08
0.00064	-0.09818	0.0339	0.244384	8.88E-08
0.02531	-0.19184	3.00E-05	0.215581	2.58E-06
0.41887	0.061516	0.18449	0.292686	1.12E-10
3.85E-07	-0.02452	0.59717	-0.25223	3.28E-08
0.05675	0.077298	0.09523	0.283436	4.46E-10
0.0025	-0.21444	2.92E-06	0.318978	1.67E-12
0.00269	0.034464	0.45748	-0.05903	0.20292
0.02135	-0.07467	0.10705	0.4225	1.21E-21
0.02688	-0.0269	0.56201	-0.09854	0.03325
0.00039	0.07724	0.09548	0.263667	7.24E-09
0.03713	0.013831	0.76562	0.017671	0.70329
0.4171	-0.21675	2.27E-06	-0.02364	0.61043
4.99E-05	-0.15052	0.0011	0.544671	1.97E-37
0.24498	-0.08085	0.08091	-0.0258	0.57807
0.04656	-0.08731	0.05938	0.060514	0.19176
0.2895	-0.11692	0.01145	0.06237	0.17845
0.38974	0.088045	0.05727	-0.31127	5.97E-12
0.68603	-0.34909	7.89E-15	0.239556	1.61E-07
0.02168	0.025283	0.58575	0.012917	0.78071
1.84E-06	0.006534	0.88801	0.066857	0.14915
0.00504	0.043605	0.34709	-0.13384	0.00376

5.43E-07	-0.08917	0.05414	-0.12618	0.00633
0.03639	-0.09608	0.03793	0.051415	0.2675
0.02313	-0.16509	0.00034	0.07782	0.09301
0.00187	0.160722	0.00049	-0.12744	0.00582
4.55E-05	0.039328	0.39648	-0.02553	0.58207
0.01688	-0.18518	5.68E-05	0.259732	1.23E-08
0.8357	-0.01876	0.686	0.144676	0.00172
0.01285	-0.14391	0.00182	-0.07762	0.09383
0.07564	-0.16459	0.00035	-0.11042	0.01698
0.43395	0.155543	0.00074	0.080641	0.08171
0.08412	0.096858	0.0364	0.30212	2.60E-11
5.05E-08	-0.11715	0.01129	0.225198	8.80E-07
3.61E-05	-0.03478	0.45333	0.196124	1.97E-05
0.00057	-0.16889	0.00025	0.059737	0.19753
0.00168	-0.19801	1.63E-05	0.031379	0.49875
0.16658	-0.22078	1.45E-06	0.083778	0.07048
0.64586	-0.13279	0.00404	-0.12982	0.00496
0.26812	-0.14255	0.00202	-0.03537	0.44578
0.00316	-0.09766	0.03488	0.054206	0.24235
0.00658	-0.2001	1.32E-05	0.232621	3.71E-07
0.05677	-0.17498	0.00014	-0.27536	1.43E-09
1.15E-10	0.062117	0.18023	0.127385	0.00584
0.55664	-0.14475	0.00171	0.276174	1.27E-09
0.0953	0.073579	0.1123	-0.03317	0.47458
0.74865	-0.17662	0.00012	-0.0659	0.1551
0.67523	-0.19141	3.13E-05	0.045167	0.33009
0.74455	-0.14279	0.00198	-0.0405	0.38254
0.75683	-0.16821	0.00026	0.160253	0.00051
0.08886	-0.14311	0.00193	0.096767	0.03658
0.83673	-0.15817	0.0006	0.08485	0.06695
0.03563	-0.12777	0.00569	0.110059	0.01735
0.4903	-0.18612	5.19E-05	0.146733	0.00147
0.03519	-0.1258	0.00649	0.107582	0.02005
0.0218	-0.17642	0.00013	0.13948	0.00252
1.87E-06	-0.15213	0.00097	0.190624	3.38E-05
0.88014	-0.12785	0.00566	-0.0487	0.29358
0.06687	-0.07359	0.11224	0.031265	0.50032
0.11217	-0.15401	0.00084	0.078701	0.08935
0.01288	-0.15529	0.00076	0.187014	4.77E-05
0.99373	-0.21157	3.99E-06	0.023724	0.60909
0.30021	-0.17768	0.00011	0.191633	3.06E-05
0.00835	-0.22076	1.45E-06	0.145948	0.00156
0.05647	-0.15099	0.00106	0.420418	2.00E-21
0.66691	-0.21352	3.23E-06	0.025282	0.58577
0.00134	-0.16926	0.00024	0.110322	0.01708

0.02575	-0.23771	2.02E-07	0.090267	0.05124
0.14625	-0.19896	1.48E-05	0.251877	3.43E-08
0.01262	-0.13668	0.00308	0.120825	0.00896
0.24687	-0.17978	9.37E-05	0.075875	0.1015
0.01073	-0.15218	0.00097	0.151463	0.00103
0.53622	-0.14168	0.00215	0.011584	0.80285
0.00061	-0.1553	0.00076	0.038404	0.40767
0.77154	0.103008	0.02602	0.144441	0.00175
0.98385	-0.10683	0.02094	-0.03552	0.44383
0.00033	-0.15885	0.00057	0.238087	1.93E-07
0.34733	-0.01265	0.7852	0.181197	8.22E-05
1.91E-05	0.116934	0.01144	0.153109	0.0009
0.66951	-0.0746	0.10739	0.114183	0.01355
0.84005	-0.03308	0.47569	0.097417	0.03533
0.60447	0.015472	0.73878	0.32427	6.78E-13
0.0993	0.004377	0.92484	0.170604	0.00021
0.55551	-0.01313	0.77721	0.022682	0.6249
0.27243	-0.11921	0.00993	0.172027	0.00019
0.80916	0.042319	0.36152	0.156334	0.0007
0.37266	-0.11543	0.01255	0.381946	1.14E-17
0.03259	-0.04952	0.28556	0.285422	3.33E-10
0.01326	-0.15829	0.0006	-0.02189	0.63712
0.01907	-0.02666	0.56544	0.363627	4.80E-16
0.12545	-0.05429	0.24161	0.020453	0.65931
0.38707	-0.0728	0.11618	0.104101	0.02447
0.82699	-0.02525	0.58626	0.182641	7.19E-05
0.00296	-0.00966	0.83504	0.133561	0.00383
0.63288	-0.00768	0.8686	0.118734	0.01023
0.16518	-0.07843	0.09045	0.366275	2.84E-16
0.64401	-0.08464	0.06764	0.086555	0.06163
0.66357	-0.07511	0.10498	0.131544	0.00441
0.16054	-0.01687	0.71616	0.166842	0.00029
0.60199	-0.00724	0.87601	0.065481	0.15772
0.01335	-0.08789	0.05772	0.07145	0.1231
0.82447	-0.03561	0.44267	0.094564	0.04109
0.92789	-0.14716	0.00143	0.285475	3.30E-10
0.28213	-0.12252	0.00803	0.131959	0.00428
0.45582	-0.04652	0.3158	0.006105	0.89532
0.31241	-0.14334	0.0019	0.063864	0.16826
0.00053	-0.23754	2.06E-07	-0.00762	0.86948
0.31303	-0.12024	0.0093	0.037194	0.42262
0.89932	-0.03859	0.40537	0.084044	0.06959
0.33876	-0.05575	0.22919	0.117081	0.01134
0.68775	-0.05259	0.25668	0.202915	9.90E-06
0.50393	-0.02678	0.56377	0.094207	0.04186

0.77779	-0.11305	0.01451	0.386571	4.29E-18
0.44801	-0.03255	0.48288	0.215977	2.47E-06
0.43977	-0.04158	0.37002	0.183464	6.66E-05
0.81071	-0.1135	0.01412	0.208532	5.51E-06
0.91325	-0.06075	0.19	0.101643	0.02807
0.44868	-0.10795	0.01963	0.141368	0.0022
0.79587	-0.09353	0.04337	0.271671	2.41E-09
0.12838	-0.04104	0.37621	0.484966	6.39E-29
0.65435	-0.03907	0.39957	0.15474	0.00079
0.67182	-0.03601	0.43749	0.180097	9.10E-05
0.32662	0.081682	0.07784	0.155092	0.00077
0.60289	-0.05477	0.23749	0.05939	0.20015
0.4435	-0.06723	0.14687	0.10586	0.02214
0.87853	-0.07004	0.13071	0.04643	0.31673
0.94514	-0.06999	0.13097	0.163537	0.00039
0.21676	-0.01711	0.7123	0.23483	2.85E-07
0.46145	-0.0783	0.091	0.158791	0.00057
0.18678	-0.05617	0.22571	0.327991	3.57E-13
0.81033	0.04127	0.37355	0.012857	0.78169
0.82686	-0.09049	0.05067	0.028044	0.54549
0.55137	-0.10021	0.03038	0.207677	6.03E-06
0.0122	0.141871	0.00212	-0.00951	0.83767
0.42846	-0.10317	0.02579	0.037321	0.42103
0.08772	-0.13319	0.00393	0.072686	0.11674
0.66302	-0.07768	0.09361	0.255839	2.05E-08
0.55698	-0.07581	0.10178	0.071311	0.12384
0.46716	-0.09401	0.04228	0.242794	1.08E-07
0.03925	-0.041	0.37669	0.164096	0.00037
0.88233	-0.05289	0.25404	0.148277	0.00131
3.76E-06	0.194858	2.23E-05	-0.06382	0.16857
0.43283	-0.06543	0.15807	0.087687	0.05829
0.44952	-0.0304	0.51223	0.151703	0.00101
0.55351	-0.01465	0.75216	0.202226	1.06E-05
6.38E-06	0.059108	0.2023	0.3698	1.40E-16
0.93255	-0.0219	0.63689	0.08829	0.05657
0.87487	-0.08283	0.07373	0.101812	0.02781
0.60888	-0.1016	0.02813	0.097402	0.03536
0.80947	-0.06103	0.18802	0.157516	0.00064
0.45389	-0.08687	0.06069	0.063976	0.16751
0.8966	-0.03839	0.40782	0.190908	3.29E-05
0.84971	-0.09553	0.03905	0.059917	0.19618
0.58321	-0.09621	0.03767	0.061703	0.18316
0.21607	-0.02384	0.6073	0.263898	7.01E-09
0.25851	-0.12599	0.00641	0.201687	1.12E-05
0.38987	-0.1496	0.00118	0.205661	7.45E-06

0.33449	0.037405	0.41998	0.142916	0.00196
0.78772	-0.06085	0.18926	0.247566	5.95E-08
0.76916	-0.08274	0.07405	0.111013	0.01639
0.18841	0.0177	0.70282	0.216223	2.41E-06
0.8914	0.000822	0.98587	-0.01313	0.7771
0.90018	-0.01327	0.7748	0.002902	0.95013
0.02166	-0.08679	0.06092	0.397659	3.83E-19
0.0637	0.021253	0.64688	0.109393	0.01804
0.5176	-0.14438	0.00176	0.155751	0.00073
0.40289	-0.06271	0.17612	0.018614	0.68827
0.06952	0.006781	0.8838	0.143791	0.00184
0.4233	-0.08704	0.06019	-0.02835	0.54108
0.23841	-0.11103	0.01638	0.205962	7.22E-06
0.49209	0.035956	0.43823	0.028328	0.54143
0.41466	-0.06859	0.13885	0.419855	2.29E-21
0.04053	-0.02718	0.55798	0.078588	0.08981
0.58076	-0.05543	0.23186	0.080431	0.08251
0.00911	-0.07046	0.1284	0.341601	3.15E-14
0.816	-0.14609	0.00155	0.395128	6.70E-19
0.89439	-0.0745	0.10784	0.132219	0.00421
0.65362	-0.09478	0.04063	0.138167	0.00277
0.08561	-0.0304	0.51221	0.111562	0.01587
5.27E-07	0.342748	2.56E-14	-0.07124	0.12424
2.08E-05	-0.09697	0.03618	-0.26409	6.84E-09
0.60747	-0.07626	0.09976	0.252245	3.27E-08
6.02E-07	-0.2039	8.94E-06	-0.06855	0.1391
1.06E-07	0.132509	0.00412	-0.02802	0.54587
0.01089	-0.07742	0.09471	0.166133	0.00031
0.00011	-0.27394	1.75E-09	0.085251	0.06567
0.0008	0.16418	0.00037	0.191288	3.17E-05
0.00406	-0.0616	0.18389	0.075658	0.10248
0.0011	-0.08854	0.05587	-0.04658	0.31516
0.06936	-0.02965	0.52277	0.208047	5.80E-06
0.28547	-0.00563	0.90336	0.215104	2.72E-06
0.00243	-0.02659	0.56659	-0.01349	0.77116
6.29E-07	-0.14525	0.00165	-0.15814	0.0006
0.08251	-0.01304	0.77867	0.250474	4.11E-08
4.22E-05	-0.04388	0.34403	-0.10575	0.02229
0.00015	0.011728	0.80044	-0.11784	0.01081
1.25E-08	-0.08772	0.05819	-0.13796	0.00281
1.88E-12	-0.00879	0.84976	-0.18204	7.61E-05
1.94E-13	-0.01318	0.77641	-0.15196	0.00099
0.00244	-0.13997	0.00243	-0.10965	0.01777
0.01145	0.040868	0.37823	-0.14466	0.00172
0.001	-0.02648	0.56807	-0.10106	0.02899

0.00023	-0.06788	0.14301	0.038075	0.41171
0.02823	-0.15122	0.00105	0.316823	2.39E-12
0.90062	0.024773	0.59334	-0.16228	0.00043
0.01527	-0.09732	0.03552	0.086064	0.06312
0.15835	0.029425	0.52588	-0.25907	1.34E-08
0.00031	-0.13558	0.00333	-0.11244	0.01505
0.32817	-0.04455	0.33677	-0.17217	0.00018
0.20232	0.02775	0.54971	-0.01604	0.72948
0.03904	-0.03007	0.51687	-0.03403	0.46321
0.00016	-0.01553	0.73779	-0.28514	3.47E-10
0.00033	0.041679	0.36883	0.034969	0.45091
0.35386	-0.06405	0.16701	0.11571	0.01234
0.90633	0.016267	0.72587	-0.08631	0.06236
0.06165	-0.03122	0.50087	0.354888	2.63E-15
3.24E-06	-0.05678	0.22064	0.032418	0.48463
0.00163	-0.13891	0.00263	-0.24332	1.01E-07
0.52186	-0.11744	0.01109	0.072423	0.11807
0.48414	0.028468	0.53943	-0.0507	0.27425
0.95533	0.126015	0.0064	0.23591	2.50E-07
0.04611	0.179184	9.89E-05	0.31736	2.18E-12
0.00691	-0.07276	0.11639	0.478385	4.41E-28
0.0178	0.181065	8.32E-05	-0.14794	0.00135
0.33187	0.229602	5.29E-07	-0.03457	0.45612
3.71E-06	0.005808	0.90039	-0.1805	8.76E-05
9.94E-06	-0.10607	0.02188	-0.07141	0.12329
1.08E-06	-0.09513	0.03989	-0.12498	0.00685
1.74E-10	-0.05446	0.24019	-0.16227	0.00043
1.39E-15	0.022439	0.62862	-0.2663	5.06E-09
1.10E-07	-0.03515	0.44862	-0.07428	0.10892
8.01E-09	-0.13019	0.00483	-0.09462	0.04097
3.06E-16	-0.19904	1.47E-05	-0.16343	0.00039
0.07095	-0.17314	0.00017	0.021011	0.65063
3.67E-14	0.004526	0.92229	-0.14547	0.00162
0.02183	0.071722	0.12168	0.125738	0.00651
1.44E-05	0.017903	0.69958	-0.08817	0.05692
0.00806	-0.11794	0.01075	0.033937	0.46439
0.03992	-0.18104	8.34E-05	-0.00278	0.95221
0.42857	-0.0091	0.84455	-0.15223	0.00097
1.65E-08	-0.12149	0.00858	-0.06857	0.13901
0.0145	-0.00177	0.96964	-0.06851	0.13931
0.02326	-0.08106	0.08014	0.023511	0.61231
0.00051	-0.10315	0.02581	-0.13884	0.00264
1.58E-07	-0.02875	0.53545	-0.19413	2.40E-05
0.00027	-0.00545	0.90644	-0.1061	0.02184
8.33E-06	0.132906	0.00401	-0.06241	0.17818

2.08E-14	-0.07063	0.12746	-0.18917	3.88E-05
8.90E-18	-0.05799	0.21102	-0.26172	9.41E-09
0.29081	-0.09976	0.03113	0.08688	0.06065
4.26E-08	-0.14304	0.00194	-0.0037	0.9365
3.11E-09	-0.08694	0.06047	-0.05767	0.21348
2.21E-11	-0.07387	0.11089	-0.19149	3.10E-05
6.23E-05	0.011498	0.80427	-0.04076	0.3795
0.97874	-0.0696	0.13312	0.196573	1.88E-05
1.54E-11	0.009692	0.83453	-0.24211	1.18E-07
0.01178	-0.06947	0.13387	0.062588	0.17694
0.66543	0.045336	0.32828	0.059553	0.19892
0.00377	0.091378	0.04844	-0.2783	9.39E-10
1.71E-05	-0.05183	0.26361	0.093261	0.04397
1.30E-05	-0.13097	0.00458	0.050359	0.27746
0.00467	-0.03359	0.46904	0.081956	0.07684
0.52412	-0.05291	0.25381	0.083554	0.07124
1.73E-12	-0.16058	0.00049	-0.19904	1.47E-05
0.18085	-0.01024	0.82534	0.098047	0.03415
1.22E-09	-0.20862	5.46E-06	0.006369	0.89082
0.00054	-0.17052	0.00021	-0.03302	0.47659
0.02023	-0.19267	2.77E-05	0.079143	0.08756
8.48E-17	-0.05624	0.22513	-0.27579	1.35E-09
2.86E-05	-0.12278	0.0079	-0.10188	0.0277
9.02E-13	-0.02952	0.52448	-0.22869	5.88E-07
1.90E-14	0.03117	0.50161	-0.18674	4.90E-05
3.51E-06	0.080659	0.08164	-0.08486	0.0669
0.30078	-0.01981	0.66934	0.123103	0.00774
9.49E-11	-0.01569	0.73523	-0.10643	0.02143
0.12076	-0.02051	0.6585	0.025272	0.58591
1.05E-05	-0.02949	0.52498	-0.21326	3.32E-06
2.72E-12	0.010496	0.82102	-0.14536	0.00164
0.07006	-0.07021	0.12976	0.053765	0.24622
8.08E-07	-0.10033	0.03017	-0.06784	0.14325
1.27E-05	-0.03655	0.43067	0.004972	0.91466
0.00681	0.018113	0.69623	0.068065	0.14192
3.67E-16	-0.03369	0.46764	-0.22741	6.82E-07
0.12073	-0.09207	0.04675	0.118475	0.01039
0.00488	-0.07588	0.10148	-0.0493	0.28775
0.00043	-0.12392	0.00734	0.002857	0.95091
0.98891	-0.0862	0.06269	-0.0553	0.23294
0.03373	0.052413	0.25831	-0.02737	0.5552
0.11044	-0.09172	0.04759	0.095961	0.03818
0.70012	-0.01075	0.81676	0.118792	0.01019
5.21E-15	0.029887	0.51939	-0.25227	3.27E-08
0.01929	-0.03069	0.50821	0.024431	0.59846

7.81E-08	-0.02114	0.64859	-0.05093	0.27203
0.00073	-0.1693	0.00024	-0.05989	0.19641
3.45E-15	-0.13688	0.00304	-0.20813	5.75E-06
4.35E-10	-0.03685	0.42697	-0.05932	0.2007
4.06E-06	-0.05228	0.25949	-0.14857	0.00128
0.06545	-0.13969	0.00248	0.019121	0.68024
1.63E-07	-0.06828	0.14065	-0.07079	0.1266
3.24E-08	0.069554	0.13339	-0.14615	0.00154
2.83E-09	-0.01885	0.68446	-0.10193	0.02762
5.83E-06	-0.16282	0.00041	-0.07766	0.09369
0.02501	0.182864	7.05E-05	0.009317	0.84085
0.50292	0.113864	0.01381	-0.27707	1.12E-09
0.0347	0.04463	0.33587	-0.1083	0.01924
0.00276	-0.09302	0.04453	-0.05047	0.27636
0.00324	-0.05868	0.20556	-0.18732	4.64E-05
0.33095	0.074784	0.10652	-0.08196	0.07681
6.41E-05	-0.05986	0.19664	-0.07783	0.09297
6.52E-10	-0.03134	0.49928	-0.32954	2.72E-13
0.00376	0.051974	0.26232	0.045456	0.32699
0.07596	0.049255	0.28814	-0.07984	0.08479
0.00021	0.227002	7.15E-07	0.302423	2.48E-11
0.00072	0.042327	0.36142	-0.1502	0.00113
0.07532	-0.08674	0.06108	0.094337	0.04158
0.02404	0.032971	0.47721	0.12588	0.00645
0.00667	0.042213	0.36272	0.367165	2.38E-16
1.15E-06	0.109965	0.01744	0.341883	3.00E-14
0.00282	-0.00993	0.83048	0.096844	0.03643
0.00467	0.12358	0.0075	0.265628	5.54E-09
0.03366	0.101785	0.02785	0.294296	8.76E-11
0.97736	-0.06333	0.17188	0.197049	1.79E-05
0.34797	0.080374	0.08273	-0.08992	0.05214
0.1404	-0.01912	0.68022	0.148293	0.00131
0.17861	-0.08117	0.07972	0.181791	7.78E-05
0.00072	-0.18671	4.91E-05	-0.25289	3.02E-08
0.4297	0.121108	0.0088	0.009646	0.8353
0.75369	0.063657	0.16964	0.04217	0.36321
0.04953	-0.01489	0.7483	0.142585	0.00201
0.97061	0.049428	0.28645	0.063591	0.17009
0.0711	-0.02759	0.55208	0.301088	3.05E-11
0.01709	0.044299	0.33947	0.104813	0.0235
1.82E-09	0.354931	2.60E-15	0.082481	0.07496
0.00741	0.042546	0.35895	0.218185	1.94E-06
0.13231	0.031453	0.49774	0.100587	0.02975
0.85716	-0.00178	0.96932	0.137482	0.00291
0.04164	0.154623	0.0008	-0.13139	0.00445



0.07482	0.108609	0.01889	0.009071	0.84499
0.00045	-0.06678	0.1496	0.107309	0.02037
0.62236	-0.08597	0.06341	0.32009	1.38E-12
0.45389	0.086844	0.06076	0.028436	0.53988
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0.43473	0.110406	0.017	0.129376	0.00511
0.74666	0.072332	0.11853	0.156453	0.00069
0.56646	0.157924	0.00061	-0.03855	0.40595
0.055	0.110033	0.01737	0.078968	0.08827
0.39455	0.046253	0.31858	-0.01163	0.80212
0.94251	-0.01031	0.82419	0.201915	1.10E-05
0.00111	0.106994	0.02074	0.375094	4.76E-17
0.39322	0.063585	0.17013	0.045692	0.32448
0.18719	0.010242	0.8253	0.111319	0.0161
0.063	0.092038	0.04683	0.127401	0.00583
0.67724	-0.12027	0.00928	0.166325	0.00031
0.01396	0.110269	0.01713	0.207838	5.93E-06
0.57913	-0.04278	0.3563	0.224334	9.71E-07
0.63591	0.093021	0.04452	0.232896	3.59E-07
0.023	0.238678	1.79E-07	0.067927	0.14274
0.21057	-0.03706	0.42427	0.219388	1.70E-06
0.03426	0.031069	0.50301	0.037313	0.42113
0.17261	0.030565	0.50996	0.002198	0.96222
0.28863	0.001871	0.96784	0.118944	0.01009
0.13927	0.050921	0.27213	-0.01185	0.79841
0.16741	-0.02621	0.57201	0.474077	1.53E-27
0.93637	0.135508	0.00335	0.167663	0.00027
0.98245	0.063241	0.17245	0.000694	0.98807
0.08741	0.139525	0.00251	0.147946	0.00134
0.25035	-0.07189	0.12079	0.110618	0.01678
0.2046	0.056802	0.2205	0.1988	1.51E-05
0.32505	0.079279	0.08702	0.166602	0.0003
0.48872	0.025264	0.58605	0.153937	0.00085
0.13686	0.063168	0.17295	0.314177	3.71E-12
0.22615	0.063985	0.16745	0.07205	0.11998
0.14588	0.126209	0.00631	0.059075	0.20255
7.51E-10	0.183384	6.71E-05	0.478789	3.92E-28
0.91981	0.104578	0.02382	0.078602	0.08976
0.04159	0.060819	0.18952	0.259843	1.21E-08
0.18034	-0.02593	0.57615	0.29703	5.75E-11
0.19387	0.11761	0.01097	0.096043	0.03801
0.00766	0.071971	0.12039	0.082515	0.07484
2.60E-08	0.164645	0.00035	0.353347	3.53E-15
0.12677	-0.07661	0.09824	0.037019	0.42481

0.14823	0.017203	0.71079	0.166604	0.0003
6.05E-05	0.14708	0.00144	0.304714	1.72E-11
0.95804	0.095164	0.03981	-0.00896	0.84686
0.33473	-0.09003	0.05185	0.372154	8.68E-17
0.03497	0.061587	0.18398	0.234706	2.89E-07
0.88827	0.113608	0.01403	-0.08743	0.05904
0.3777	-0.04779	0.30274	0.338432	5.61E-14
0.07395	-0.1417	0.00214	0.275103	1.48E-09
0.48273	-0.08487	0.06687	0.175022	0.00014
0.47731	0.01948	0.67458	0.375105	4.75E-17
0.67859	0.130476	0.00474	-0.05488	0.23651
0.33317	0.058903	0.20387	-0.19355	2.54E-05
0.42476	0.107563	0.02007	0.043541	0.34781
2.14E-06	0.081062	0.08013	-0.0134	0.77267
0.21149	0.088466	0.05608	-0.00648	0.8889
0.56217	0.037816	0.4149	0.234452	2.98E-07
0.7106	-0.02698	0.56079	0.442265	8.73E-24
0.00822	-0.18752	4.55E-05	0.411959	1.48E-20
0.02699	-0.19764	1.69E-05	0.432267	1.10E-22
4.34E-08	0.010349	0.82349	0.510702	2.20E-32
0.01424	0.010686	0.81786	-0.02759	0.55207
0.23021	0.203124	9.69E-06	0.055755	0.22914
0.00077	0.059226	0.2014	-0.11536	0.01261
0.84973	0.036976	0.42534	-0.09946	0.03164
0.02098	0.063713	0.16927	-0.15189	0.00099
0.9206	0.005565	0.90453	0.178982	0.0001
0.09789	0.093361	0.04374	-0.08985	0.05234
0.14279	0.055794	0.22881	0.066989	0.14835
0.12459	0.063112	0.17333	-0.01132	0.80728
0.02025	0.078051	0.09204	-0.01963	0.67218
0.26428	-0.02556	0.58167	0.061944	0.18145
0.37849	0.106749	0.02104	-0.00038	0.99353
0.60156	0.053444	0.24905	0.061301	0.18603
0.02842	0.341181	3.40E-14	-0.04271	0.35708
0.0988	0.015926	0.7314	0.121376	0.00865
0.00712	-0.01843	0.6912	0.053812	0.2458
0.05119	0.098034	0.03418	0.099859	0.03096
0.00675	0.059321	0.20068	-0.10117	0.02881
0.24698	0.090984	0.04942	0.086483	0.06184
0.01249	0.03946	0.39489	-0.20287	9.95E-06
0.35784	-0.03047	0.51129	0.244083	9.22E-08
0.12776	0.118168	0.0106	-0.04808	0.29982
0.81596	0.165793	0.00032	0.030589	0.50963
0.4483	0.050444	0.27665	0.271656	2.41E-09
0.44821	0.124618	0.00701	-0.02745	0.55401

0.17446	0.050277	0.27824	-0.0635	0.17073
0.39401	0.054286	0.24166	0.229764	5.19E-07
0.0016	0.025514	0.58233	-0.03048	0.51113
0.09355	0.075784	0.10191	0.184987	5.78E-05
0.69534	0.002552	0.95613	0.233965	3.16E-07
0.1315	0.196955	1.81E-05	-0.02287	0.62205
0.86578	0.127399	0.00583	-0.12242	0.00808
0.26722	0.038243	0.40964	-0.09275	0.04514
0.12495	0.080121	0.08371	-0.02982	0.52028
0.06142	0.002223	0.96179	0.328674	3.17E-13
0.03045	-7.61E-05	0.99869	0.172659	0.00018
0.72049	0.090275	0.05122	0.053767	0.24619
0.00172	0.068624	0.13867	-0.01115	0.81008
0.07655	0.068098	0.14173	0.09819	0.03389
0.57482	0.185191	5.67E-05	0.082255	0.07577
0.00166	0.097675	0.03484	-0.1798	9.34E-05
0.48373	0.078024	0.09215	0.216976	2.21E-06
1.23E-05	0.094613	0.04098	-0.18234	7.40E-05
0.82101	0.079853	0.08475	-0.09581	0.03848
0.00039	0.160002	0.00052	-0.39858	3.12E-19
6.54E-05	0.042061	0.36446	-0.08968	0.05279
0.02653	0.131404	0.00445	0.037741	0.41582
0.00026	0.242956	1.06E-07	0.241584	1.26E-07
0.25121	0.225935	8.08E-07	0.08505	0.06631
0.26988	0.067477	0.14541	0.150474	0.00111
0.20378	0.11499	0.0129	0.127921	0.00563
0.45004	0.10633	0.02155	-0.20256	1.03E-05
0.09937	0.078984	0.08821	-0.12504	0.00682
0.30796	0.121396	0.00864	-0.042	0.36519
0.00761	0.054818	0.23707	-0.02276	0.62371
0.19966	0.164393	0.00036	-0.14419	0.00178
0.21933	0.180343	8.89E-05	-0.00451	0.92254
0.84219	0.043465	0.34865	-0.12801	0.0056
0.37688	0.063741	0.16908	0.213485	3.24E-06
0.06353	0.048776	0.29286	0.048436	0.29625
0.00191	0.109734	0.01768	-0.22286	1.15E-06
0.09905	-0.0164	0.72376	0.105278	0.02289
0.23524	0.018354	0.6924	-0.04979	0.28295
0.0077	0.086834	0.06079	-0.02801	0.54605
0.19766	0.061411	0.18524	0.204833	8.12E-06
0.01083	0.037132	0.42339	0.001591	0.97265
3.94E-05	0.091811	0.04738	-0.1355	0.00335
0.92673	0.086903	0.06059	0.035917	0.43873
5.17E-08	0.039411	0.39547	-0.18894	3.97E-05
0.46283	0.14815	0.00132	0.041608	0.36964

0.02496	0.146295	0.00152	0.121175	0.00876
0.00145	0.005234	0.91019	0.031161	0.50174
1.41E-06	0.017113	0.71224	-0.11788	0.01079
0.0153	0.014062	0.76182	0.058085	0.21024
0.3214	0.127202	0.00591	0.141058	0.00225
0.12387	0.021843	0.63777	0.032678	0.48114
0.11326	-0.14473	0.00171	0.197133	1.78E-05
0.00529	0.020722	0.65513	-0.07646	0.09889
0.38145	0.098674	0.03302	-0.00309	0.94689
0.25936	0.084772	0.0672	-0.0682	0.14112
0.30034	0.027726	0.55006	0.022495	0.62776
0.00332	0.039372	0.39594	0.001097	0.98114
0.08093	0.022217	0.63202	-0.10203	0.02747
3.27E-05	0.053938	0.2447	0.049472	0.28602
0.18493	0.145385	0.00163	-0.0215	0.64307
0.27117	0.050507	0.27605	-0.21033	4.55E-06
0.03357	0.148421	0.0013	-0.00631	0.89189
0.48138	0.150886	0.00107	-0.01646	0.72276
0.21657	0.125633	0.00656	-0.07071	0.12702
0.03242	0.059097	0.20239	0.101437	0.02839
0.99763	0.138133	0.00278	-0.00936	0.84016
0.24818	-0.02657	0.56687	0.150486	0.00111
0.06238	0.141477	0.00218	-0.05128	0.2688
4.35E-07	-0.01589	0.73193	0.071285	0.12397
3.67E-05	0.014731	0.75086	-0.18702	4.77E-05
0.32286	0.069986	0.13099	0.182542	7.26E-05
0.00522	0.105235	0.02294	-0.23118	4.39E-07
0.17041	0.072201	0.1192	-0.01109	0.81107
0.79755	0.137214	0.00297	0.093447	0.04355
0.00556	0.101746	0.02791	-0.07642	0.09906
0.4965	0.056373	0.22401	0.104742	0.02359
0.43906	-0.08876	0.05526	0.18412	6.27E-05
0.01692	0.131186	0.00452	0.017833	0.7007
0.27722	0.066602	0.15071	-0.15262	0.00094
0.00224	0.086649	0.06134	-0.13688	0.00304
0.03375	0.160827	0.00048	0.022741	0.62401
0.00526	0.032105	0.48886	0.110907	0.0165
0.27173	0.073365	0.11335	-0.11069	0.01671
0.19293	0.069153	0.13565	-0.01035	0.82347
0.00553	0.020897	0.6524	-0.16077	0.00049
0.87932	-0.00016	0.99732	-0.01883	0.6849
0.00033	-0.01502	0.74619	-0.20953	4.96E-06
0.00051	0.00045	0.99226	0.074596	0.10741
0.0018	0.006756	0.88424	0.003845	0.93396
0.06306	0.060731	0.19016	-0.0129	0.78096

0.00179	0.033157	0.47473	-0.21424	2.99E-06
0.72001	-0.05437	0.24096	0.405573	6.44E-20
0.01867	0.126995	0.00599	0.037051	0.42441
0.00015	0.049189	0.28879	-0.10045	0.02997
0.23752	0.112854	0.01469	0.080007	0.08415
0.62094	0.069973	0.13106	5.17E-05	0.99911
0.00669	0.107331	0.02034	-0.21849	1.87E-06
0.15484	0.067773	0.14365	0.155979	0.00072
0.02115	0.089063	0.05444	0.050176	0.27921
0.00552	-0.02786	0.54811	-0.04905	0.29012
0.24372	0.114063	0.01365	-0.02693	0.56164
0.17278	0.061267	0.18627	0.067499	0.14528
0.00034	0.07668	0.09791	-0.17467	0.00015
0.07674	-0.01301	0.77914	-0.04821	0.29853
0.85761	0.125714	0.00652	0.172374	0.00018
0.01801	0.173218	0.00017	-0.12291	0.00784
0.04071	0.030908	0.50522	0.031472	0.49748
0.00032	-0.02952	0.52457	0.034559	0.45624
0.0236	0.038308	0.40884	0.095784	0.03853
0.82731	0.013006	0.77924	0.085659	0.06438
0.93822	0.075591	0.10279	0.254588	2.42E-08
0.10653	0.139255	0.00256	0.173756	0.00016
0.36825	0.165772	0.00032	0.000671	0.98845
0.93214	-0.07064	0.12741	0.102532	0.02672
0.00021	0.059382	0.20021	-0.11786	0.0108
0.00292	-0.0541	0.24332	0.078385	0.09065
0.00085	0.022768	0.62359	-0.24592	7.33E-08
0.03006	-0.08736	0.05924	0.045139	0.33038
0.06057	-0.0355	0.44401	0.002394	0.95885
0.17482	-0.01431	0.75782	0.117371	0.01114
0.02415	0.100174	0.03043	-0.18765	4.49E-05
0.01472	-0.03807	0.41171	0.087282	0.05947
0.00021	0.114003	0.0137	-0.1941	2.40E-05
0.00958	-0.13137	0.00446	0.072706	0.11664
0.01557	-0.07842	0.09051	-0.02063	0.65662
0.05557	-0.00413	0.92901	0.171875	0.00019
4.62E-08	-0.12872	0.00534	0.228031	6.35E-07
0.5434	-0.05972	0.19764	-0.03299	0.47698
1.54E-07	-0.14909	0.00123	0.15292	0.00092
0.00031	-0.0053	0.90909	0.067115	0.14758
0.00085	-0.07052	0.12809	0.190999	3.26E-05
0.01176	0.028116	0.54447	0.081908	0.07701
0.36178	-0.07911	0.08771	-0.15203	0.00098
0.10224	-0.09894	0.03254	0.112363	0.01512
0.08463	-0.05359	0.24776	-0.06001	0.1955

0.00131	0.000821	0.98588	0.070751	0.12682
0.06187	-0.13934	0.00255	0.033862	0.46538
0.11024	-0.14237	0.00204	0.120696	0.00903
0.00025	-0.06678	0.1496	0.342433	2.71E-14
3.54E-05	-0.11908	0.01001	0.172665	0.00018
3.52E-05	-0.20496	8.01E-06	0.226374	7.69E-07
6.02E-06	-0.04605	0.32076	0.396364	5.10E-19
0.26807	-0.18988	3.63E-05	-0.03696	0.42551
6.82E-07	-0.04046	0.38307	0.186405	5.06E-05
2.90E-06	-0.13931	0.00255	0.215625	2.57E-06
0.0002	-0.08519	0.06587	0.001685	0.97104
0.02118	0.046797	0.31291	-0.02128	0.64643
8.96E-09	-0.17434	0.00015	0.259764	1.22E-08
0.02421	-0.15786	0.00062	-0.11907	0.01001
0.03263	-0.00193	0.9668	0.010794	0.81604
2.20E-07	-0.04654	0.31553	0.403514	1.03E-19
3.68E-05	0.053815	0.24577	-0.05595	0.22754
0.00093	0.021556	0.64219	-0.13252	0.00412
0.07877	0.116945	0.01144	-0.05659	0.22219
0.0019	-0.06939	0.13429	0.000779	0.98661
1.09E-06	-0.14115	0.00223	0.377556	2.86E-17
0.00036	-0.11837	0.01046	0.395007	6.88E-19
0.00031	0.060691	0.19045	-0.06456	0.16364
0.80313	-0.09395	0.04241	0.028981	0.53214
0.59453	-0.08953	0.05319	-0.16863	0.00025
0.01581	0.065637	0.15673	0.020262	0.6623
0.5495	-0.04866	0.29398	0.08207	0.07643
0.02496	-0.14075	0.0023	0.073215	0.11409
4.19E-10	-0.05829	0.20859	-0.077	0.0965
7.10E-07	-0.11988	0.00952	0.275158	1.47E-09
0.1968	-0.11852	0.01036	0.111212	0.0162
0.00073	-0.12048	0.00916	0.024978	0.59029
5.85E-07	0.03864	0.4048	0.445168	4.11E-24
0.54418	-0.1202	0.00932	0.031421	0.49817
0.00514	-0.05413	0.24301	0.081075	0.08008
4.59E-05	-0.09402	0.04226	0.10102	0.02905
0.68573	-0.0296	0.52346	-0.13621	0.00318
0.08247	0.035661	0.442	0.07458	0.10748
0.80103	0.005896	0.89889	-0.25701	1.76E-08
1.98E-07	-0.1326	0.0041	0.147425	0.0014
0.34311	-0.03229	0.48634	0.115256	0.01269
1.66E-07	-0.12433	0.00714	0.127239	0.0059
0.00751	0.027381	0.55503	-0.13298	0.00399
0.54455	-0.05685	0.22011	-0.00923	0.84228
3.92E-09	-0.06842	0.13984	0.113728	0.01393

0.00034	-0.03318	0.47446	0.123361	0.00761
2.26E-08	0.037212	0.42239	0.179215	9.86E-05
0.61978	-0.06876	0.13792	-0.14907	0.00123
2.47E-05	-0.01448	0.75493	0.186337	5.09E-05
8.46E-19	-0.07927	0.08706	-0.44521	4.07E-24
0.02329	-0.10401	0.02459	0.253293	2.86E-08
0.00654	-0.05954	0.19904	0.100227	0.03034
0.01013	-0.11224	0.01524	0.095625	0.03886
0.59244	0.081651	0.07795	-0.1017	0.02798
0.43034	-0.14103	0.00225	-0.02103	0.65035
0.00028	-0.07359	0.11223	0.081885	0.0771
0.01453	-0.07968	0.08543	-0.0968	0.03651
7.00E-07	0.101252	0.02868	0.226752	7.36E-07
0.00075	-0.07746	0.09452	0.06174	0.18289
0.05903	-0.01936	0.67648	-0.01092	0.81387
3.52E-05	-0.07028	0.12938	0.173532	0.00016
6.33E-08	0.115379	0.0126	-0.04388	0.34411
2.89E-09	0.034429	0.45794	0.177742	0.00011
0.00027	-0.04846	0.296	0.263282	7.62E-09
0.52924	-0.03447	0.45742	-0.04224	0.36246
0.05942	-0.00729	0.87515	-0.05273	0.25546
0.41615	-0.12952	0.00506	0.088409	0.05624
0.00033	-0.00898	0.84649	0.288827	2.01E-10
0.60367	-0.13545	0.00336	-0.17772	0.00011
1.40E-05	-0.19754	1.71E-05	0.252393	3.21E-08
0.06968	-0.12871	0.00534	0.033309	0.47271
0.00592	-0.09066	0.05024	0.225462	8.53E-07
5.93E-10	0.075986	0.101	0.060433	0.19235
1.47E-05	-0.08167	0.07788	0.183876	6.41E-05
0.00105	-0.12137	0.00865	0.013202	0.776
0.00716	0.004584	0.9213	0.3522	4.38E-15
0.20271	-0.01165	0.80177	-0.17562	0.00014
0.72807	-0.09792	0.0344	-0.25273	3.08E-08
0.18955	-0.20026	1.30E-05	-0.08434	0.06862
0.00039	-0.06592	0.15494	0.284685	3.71E-10
0.81925	-0.10265	0.02654	-0.11933	0.00985
0.32674	-0.0389	0.40168	-0.19213	2.92E-05
0.0034	-0.12389	0.00735	0.071619	0.12222
0.11176	-0.08388	0.07014	0.109938	0.01747
0.04858	-0.02753	0.55284	-0.00345	0.9408
0.22221	-0.11702	0.01138	-0.00752	0.87122
0.16026	-0.13043	0.00476	-0.04901	0.29057
8.73E-07	-0.05505	0.23506	0.266729	4.77E-09
0.0046	-0.15832	0.0006	0.098465	0.03339
4.85E-08	-0.0743	0.10879	0.179289	9.79E-05

0.00456	-0.07089	0.12608	0.16507	0.00034
0.00047	-0.12841	0.00545	0.021801	0.63841
0.00023	-0.12352	0.00753	0.07423	0.10915
0.01952	-0.10176	0.02789	0.032874	0.47851
1.15E-06	-0.11502	0.01287	0.185035	5.75E-05
0.02602	-0.11158	0.01585	0.222759	1.16E-06
0.08691	-0.07694	0.09678	-0.02823	0.54286
1.14E-08	0.087126	0.05992	0.020638	0.65643
0.00078	-0.06428	0.16547	-0.06083	0.18946
3.88E-06	-0.01334	0.77372	0.156117	0.00071
0.00929	-0.02672	0.56466	0.025891	0.57678
0.00154	-0.02083	0.65344	0.091987	0.04695
0.65156	-0.19973	1.37E-05	0.031843	0.49242
0.00489	-0.03099	0.50411	0.281507	5.91E-10
0.00029	-0.00211	0.96379	0.122925	0.00783
0.00031	-0.0526	0.25663	0.310438	6.84E-12
0.04825	-0.14478	0.00171	0.033594	0.46893
0.14435	-0.00826	0.85876	0.097999	0.03424
8.77E-06	-0.09018	0.05147	0.160284	0.00051
0.00032	-0.09709	0.03595	-0.04532	0.32844
0.00627	-0.07841	0.09056	0.044178	0.3408
0.01139	-0.15475	0.00079	0.203421	9.40E-06
1.05E-09	0.035932	0.43853	0.16338	0.00039
4.88E-08	-0.09772	0.03477	0.135071	0.00345
3.21E-07	-0.06354	0.17041	0.180869	8.47E-05
3.19E-05	-0.05784	0.21221	0.089734	0.05264
3.41E-05	0.077488	0.09441	-0.05234	0.25901
0.18875	0.219751	1.63E-06	-0.11746	0.01107
0.22653	-0.15437	0.00082	0.060703	0.19037
8.39E-09	-0.11075	0.01665	0.293981	9.19E-11
0.11481	-0.01409	0.76142	0.06765	0.14438
0.01437	-0.12795	0.00562	0.043311	0.35036
0.00869	0.107533	0.02011	-0.12881	0.00531
0.02946	-0.09409	0.04212	0.165461	0.00033
0.17546	0.133575	0.00383	-0.06273	0.17596
0.05834	-0.12649	0.0062	-0.07168	0.12191
0.00034	-0.15124	0.00104	0.090896	0.04964
0.00075	-0.13318	0.00394	0.191396	3.13E-05
0.16072	-0.07996	0.08433	-0.07958	0.08584
0.06167	0.027017	0.56031	-0.13971	0.00248
1.07E-05	-0.00492	0.91547	0.039687	0.39217
0.00148	-0.04776	0.30301	0.146092	0.00155
7.89E-05	-0.10633	0.02155	0.012965	0.77991
0.00683	-0.05384	0.24555	-0.09201	0.0469
0.00607	0.001047	0.98199	0.135009	0.00347



0.01651	-0.01263	0.78541	0.140622	0.00232
3.80E-07	-0.0661	0.15379	0.045707	0.32432
0.39604	-0.19946	1.41E-05	0.212148	3.75E-06
6.92E-10	0.056124	0.22607	0.060202	0.19406
1.64E-12	-0.03135	0.49914	0.273035	1.99E-09
0.15757	-0.04557	0.32581	0.099241	0.03202
0.66949	-0.06126	0.18634	-0.03332	0.4726
1.16E-06	-0.04343	0.34905	0.290464	1.57E-10
0.01964	-0.05035	0.27751	0.125875	0.00645
0.17089	-0.23139	4.29E-07	-0.01603	0.72973
6.63E-05	-0.01738	0.70797	0.058697	0.20546
0.09132	0.010596	0.81936	0.04917	0.28898
0.98802	-0.09948	0.03161	-0.02698	0.56081
0.15014	0.000883	0.98481	0.005345	0.90828
0.00031	-0.08375	0.07059	0.155606	0.00074
7.24E-06	0.022638	0.62558	0.002478	0.95741
0.02288	-0.04819	0.29871	0.003935	0.93242
0.74786	-0.03984	0.39038	-0.01471	0.75118
0.06317	0.054822	0.23703	-0.15315	0.0009
3.51E-08	-0.00611	0.89517	0.406059	5.77E-20
7.11E-06	-0.13408	0.0037	0.15541	0.00075
3.00E-08	0.034412	0.45816	0.226831	7.29E-07
1.96E-10	-0.10089	0.02926	0.216148	2.43E-06
2.17E-07	-0.00981	0.83258	0.168794	0.00025
1.25E-08	-0.09418	0.04192	0.182484	7.30E-05
0.52108	-0.0758	0.10183	-0.01624	0.72627
0.99421	-0.12591	0.00644	-0.00744	0.87261
0.02254	-0.07268	0.11679	0.16878	0.00025
0.00063	0.098922	0.03258	-0.11662	0.01167
0.00132	-0.12158	0.00854	0.27596	1.31E-09
0.00094	-0.10338	0.02548	0.06967	0.13274
0.01162	-0.02624	0.5716	-0.04426	0.33987
0.106	-0.01828	0.69364	-0.06178	0.18262
0.05269	-0.02164	0.64085	0.026083	0.57396
3.17E-07	-0.02652	0.56754	0.354704	2.72E-15
0.02749	-0.09056	0.0505	-0.17421	0.00015
7.96E-07	0.032324	0.48591	-0.23783	1.99E-07
0.75358	-0.17677	0.00012	0.086551	0.06164
0.68166	0.093346	0.04378	0.161928	0.00044
2.14E-08	0.079442	0.08637	-0.04915	0.28921
0.03279	0.138827	0.00264	-0.19418	2.39E-05
0.00572	-0.13663	0.00309	0.212003	3.80E-06
0.00168	0.117456	0.01108	-0.11287	0.01467
0.56329	-0.05776	0.21278	-0.38985	2.12E-18
0.00015	0.006176	0.8941	-0.0985	0.03333

8.75E-05	-0.0712	0.12442	0.457347	1.62E-25
0.00063	0.054151	0.24283	-0.18691	4.82E-05
0.0031	-0.05722	0.21713	0.248192	5.50E-08
1.46E-06	0.056796	0.22055	-0.02268	0.62492
0.00088	-0.01487	0.74859	0.10166	0.02804
7.27E-09	0.161325	0.00047	-0.12721	0.00591
6.08E-06	0.127221	0.0059	-0.09923	0.03203
5.34E-07	-0.06761	0.14461	0.021352	0.64535
0.04766	-0.10693	0.02082	-0.0539	0.24506
0.00014	-0.039	0.40039	-0.06777	0.14364
8.15E-05	0.032757	0.48007	-0.00217	0.96267
0.62077	-0.13413	0.00369	-0.19535	2.13E-05
0.87663	-0.09404	0.04222	0.04326	0.35093
2.67E-08	0.020451	0.65935	0.038395	0.40778
1.78E-07	-0.04548	0.32674	0.308031	1.01E-11
0.00014	0.003865	0.93361	0.190243	3.50E-05
0.70996	-0.09654	0.03702	0.043428	0.34906
4.68E-09	0.009013	0.84598	0.155808	0.00073
0.53532	-0.14972	0.00117	-0.01585	0.73266
0.10189	-0.07	0.13093	0.093394	0.04367
8.37E-05	0.027489	0.55347	0.339343	4.76E-14
0.21228	-0.04261	0.35825	0.130004	0.0049
0.01888	-0.10764	0.01998	0.161086	0.00047
1.67E-07	-0.07027	0.12942	0.166592	0.0003
0.03172	-0.16249	0.00042	0.087905	0.05767
0.07934	-0.08679	0.06091	0.129016	0.00523
0.46735	-0.15091	0.00107	0.098918	0.03259
4.18E-08	-0.0103	0.82429	0.466766	1.21E-26
0.69485	-0.12593	0.00643	-0.08631	0.06236
0.49663	-0.15803	0.00061	-0.04449	0.3374
0.45339	-0.03535	0.44605	-0.19952	1.40E-05
1.22E-06	-0.04979	0.28288	0.228005	6.37E-07
0.00047	-0.165	0.00034	0.202595	1.02E-05
1.60E-05	0.046551	0.31546	-0.07813	0.09171
3.84E-07	-0.08991	0.05218	0.164157	0.00037
0.49623	-0.10515	0.02305	0.140824	0.00229
0.13131	-0.07405	0.11002	0.031667	0.49482
0.64004	-0.06999	0.13095	-0.18616	5.17E-05
6.97E-05	-0.1918	3.01E-05	0.183609	6.57E-05
1.85E-06	-0.09953	0.03152	0.337918	6.15E-14
0.03861	-0.08523	0.06574	0.124132	0.00724
0.0012	-0.03097	0.50439	0.039695	0.39207
0.25716	-0.03023	0.51466	-0.10834	0.01919
0.06683	0.010032	0.82882	-0.17538	0.00014
0.19236	-0.01672	0.71855	-0.13995	0.00244

2.70E-05	-0.14312	0.00193	0.077727	0.0934
5.51E-08	-0.0724	0.11818	0.205246	7.78E-06
2.95E-05	-0.13353	0.00384	0.172062	0.00019
0.00011	-0.06481	0.16201	0.156657	0.00068
1.79E-09	-0.1076	0.02003	0.17208	0.00019
0.07334	-0.0231	0.61861	-0.10968	0.01773
3.43E-05	-0.05208	0.26138	0.005336	0.90845
0.03286	-0.02673	0.56445	0.090244	0.0513
3.12E-10	-0.06763	0.1445	0.234497	2.97E-07
1.56E-05	-0.12155	0.00855	0.265289	5.81E-09
0.59404	-0.19297	2.69E-05	0.192676	2.77E-05
0.00013	-0.10624	0.02166	0.205808	7.34E-06
0.02418	-0.05092	0.27215	-0.02237	0.62963
1.25E-05	-0.0657	0.15633	0.043116	0.35254
0.12035	-0.01649	0.72222	0.070425	0.12858
0.0068	-0.12036	0.00923	0.178145	0.00011
0.30613	-0.03986	0.39012	-0.17208	0.00019
0.77075	-0.10584	0.02216	-0.00396	0.93195
1.38E-11	0.045861	0.3227	0.185273	5.63E-05
0.40336	-0.10233	0.02702	-0.0036	0.93812
0.47426	-0.01256	0.78666	-0.12972	0.00499
1.51E-07	-0.06142	0.18514	0.277329	1.08E-09
0.13237	-0.10754	0.02009	0.293318	1.02E-10
1.33E-09	0.027411	0.5546	0.229348	5.45E-07
0.19466	-0.06623	0.15299	-0.01247	0.78812
0.30014	-0.08107	0.08008	0.042809	0.35598
0.23854	-0.04098	0.37697	0.041109	0.37542
6.65E-06	-0.06868	0.13836	0.258995	1.35E-08
0.00079	-0.0754	0.10367	0.168446	0.00026
0.0307	-0.07808	0.09193	0.001204	0.9793
2.71E-09	-0.11205	0.01541	0.398205	3.39E-19
1.04E-12	-0.04157	0.37007	0.245748	7.48E-08
8.22E-05	-0.09265	0.04538	0.008724	0.85086
6.32E-05	0.048173	0.29888	0.138834	0.00264
0.00235	0.114234	0.01351	0.056519	0.22281
1.20E-05	-0.06877	0.13782	0.366484	2.72E-16
0.00079	0.009184	0.84309	-0.03388	0.46509
2.62E-10	-0.02768	0.55065	0.103185	0.02576
4.69E-05	-0.18531	5.61E-05	0.234117	3.10E-07
0.23035	-0.10845	0.01906	-0.0226	0.62609
0.0006	-0.1129	0.01465	0.07418	0.10939
3.19E-05	-0.07811	0.09177	0.131909	0.0043
2.83E-05	-0.16049	0.0005	0.070252	0.12953
0.00017	-0.0399	0.38961	0.047219	0.30856
0.00161	-0.04873	0.29335	0.189529	3.75E-05

0.04489	-0.12956	0.00505	0.136575	0.0031
1.30E-06	0.039543	0.3939	-0.17782	0.00011
0.32577	-0.05471	0.23796	-0.00862	0.85266
0.04609	-0.09358	0.04326	-0.09058	0.05043
0.32802	-0.06019	0.19412	-0.03028	0.51387
0.14344	-0.04862	0.29442	0.0387	0.40406
0.1665	-0.03003	0.51743	-0.07574	0.10211
0.23947	-0.00845	0.85553	-0.01653	0.72159
0.19208	-0.06481	0.16201	-0.01367	0.76825
0.23613	0.091498	0.04814	0.026244	0.57159
0.11893	0.121903	0.00836	0.030354	0.51289
0.15398	-0.04989	0.28197	-0.37604	3.92E-17
0.72169	-0.02288	0.6219	0.110669	0.01673
0.85756	0.051232	0.26921	0.088836	0.05506
0.01763	0.003569	0.93869	-0.27943	7.98E-10
0.01344	-0.01757	0.70496	0.440016	1.56E-23
0.00025	0.140837	0.00228	-0.0296	0.52336
0.4188	0.01713	0.71197	0.04275	0.35665
0.0243	0.002485	0.95729	0.192974	2.69E-05
4.69E-05	-0.05021	0.27887	-0.10099	0.02911
0.26321	-0.12574	0.00651	0.203044	9.77E-06
0.00107	-0.04141	0.37191	-0.05476	0.23759
0.85386	-0.00522	0.91051	-0.01081	0.81583
0.35691	-0.12018	0.00934	0.064326	0.1652
0.25744	-0.02795	0.54684	0.051533	0.2664
0.17982	-0.12406	0.00727	0.432087	1.15E-22
0.0548	-0.22376	1.04E-06	0.121685	0.00848
0.60256	-0.07895	0.08836	0.442947	7.32E-24
1.90E-06	0.105415	0.02271	0.188442	4.17E-05
0.00775	-0.06037	0.19278	0.200647	1.25E-05
0.95652	-0.14351	0.00188	0.124866	0.0069
0.46856	0.080213	0.08335	-0.13511	0.00344
0.41647	0.029245	0.52841	-0.00295	0.94925
0.00041	0.05148	0.26689	0.384979	6.02E-18
0.0203	-0.01025	0.82508	0.07905	0.08794
0.34857	-0.08829	0.05658	0.412701	1.24E-20
0.67357	-0.08994	0.0521	0.232324	3.84E-07
0.00105	0.032088	0.4891	0.265803	5.41E-09
0.00331	-0.00833	0.85748	0.399125	2.76E-19
2.80E-05	0.139009	0.00261	0.332897	1.51E-13
0.82332	-0.08082	0.08104	0.178019	0.00011
0.06709	-0.02936	0.5268	0.009856	0.83178
0.13979	0.05608	0.22643	0.298763	4.39E-11
0.00662	0.164992	0.00034	-0.05783	0.21227
0.90722	-0.06387	0.16819	0.364368	4.14E-16

1.19E-06	-0.04164	0.36932	-0.31796	1.97E-12
0.96977	0.099804	0.03105	0.291234	1.40E-10
0.89098	1.87E-05	0.99968	0.107125	0.02059
0.4956	0.015343	0.74088	0.29594	6.81E-11
0.00035	-0.06404	0.16707	-0.21551	2.60E-06
0.10269	0.047976	0.30086	-0.20161	1.13E-05
4.87E-09	0.253962	2.62E-08	0.196806	1.84E-05
0.97521	-0.05733	0.21621	0.096568	0.03697
0.0356	-0.04352	0.34809	0.11716	0.01128
4.13E-05	0.164654	0.00035	-0.09236	0.04606
0.18732	-0.07836	0.09077	0.095341	0.03945
0.50656	-0.06955	0.13341	0.190031	3.58E-05
0.49214	-0.04913	0.28938	0.050884	0.27248
0.00054	-0.11649	0.01176	-0.44023	1.47E-23
0.64545	0.009747	0.83361	0.024491	0.59756
0.6685	-0.02984	0.52008	0.150101	0.00114
0.00039	-0.04952	0.28551	-0.17779	0.00011
0.57071	-0.0608	0.18963	0.052314	0.25921
0.64418	0.123317	0.00763	-0.07049	0.12823
0.1321	-0.00931	0.841	0.245401	7.82E-08
0.04673	-0.07672	0.09775	0.019647	0.67194
9.95E-10	-0.03906	0.39973	-0.36017	9.47E-16
0.06207	-0.08609	0.06305	0.108168	0.01938
0.1247	-0.15964	0.00053	0.070106	0.13033
0.25948	-0.12188	0.00838	0.045378	0.32783
0.00974	0.024631	0.59546	0.392041	1.32E-18
0.3502	-0.03421	0.46074	0.078411	0.09054
2.11E-08	0.060975	0.18839	0.472373	2.49E-27
0.00684	-0.06549	0.15767	0.02894	0.53273
0.41247	-0.04894	0.29124	-0.01524	0.74251
0.01845	-0.09086	0.04972	0.008391	0.85648
0.02737	-0.11435	0.01341	0.355699	2.25E-15
0.003	0.245582	7.64E-08	0.066821	0.14937
0.00379	-0.06673	0.14994	-0.19113	3.21E-05
0.17059	0.08896	0.05472	0.126002	0.0064
0.01053	-0.036	0.43762	-0.01576	0.73414
0.85413	-0.03714	0.42334	0.146422	0.00151
0.17556	-0.02257	0.62658	-0.13357	0.00383
0.45519	-0.08598	0.06339	0.258608	1.43E-08
0.04521	-0.16325	0.0004	0.11421	0.01353
0.08896	0.025591	0.58119	0.470762	3.93E-27
0.56833	0.064023	0.1672	-0.03034	0.51306
0.01	0.080846	0.08094	-0.09431	0.04165
0.00174	0.074885	0.10605	-0.10228	0.02709
0.41853	-0.08899	0.05465	0.144107	0.0018

0.04039	-0.05873	0.20517	0.167969	0.00027
0.90112	0.043544	0.34777	-0.09577	0.03857
0.00259	-0.08222	0.07588	-0.07617	0.10017
0.06592	-0.0869	0.06061	0.068263	0.14077
3.20E-06	0.130742	0.00466	0.520265	9.51E-34
0.57477	-0.15117	0.00105	0.163925	0.00038
0.24859	-0.11505	0.01285	0.18781	4.42E-05
0.11509	-0.12845	0.00544	0.0935	0.04343
0.01909	-0.01145	0.805	0.374576	5.29E-17
0.13916	-0.10133	0.02855	0.011079	0.81127
0.55264	-0.09827	0.03375	0.322317	9.47E-13
0.15075	-0.27084	2.70E-09	0.111431	0.01599
0.96746	-0.10114	0.02885	0.303443	2.11E-11
1.33E-05	0.148603	0.00128	-0.02856	0.53814
0.02447	-0.13189	0.0043	0.531212	2.31E-35
0.44961	-0.1315	0.00442	0.097388	0.03538
2.07E-06	-0.01763	0.70387	0.437551	2.92E-23
0.02819	-0.09335	0.04377	0.396041	5.48E-19
0.0006	0.200875	1.22E-05	0.136294	0.00317
0.74738	-0.04277	0.35643	0.307566	1.09E-11
0.87399	-0.09364	0.04312	0.050067	0.28026
0.86485	0.028637	0.53702	-0.14724	0.00142
0.00913	-0.06378	0.16882	-0.00122	0.97897
0.48689	-0.21475	2.83E-06	0.452319	6.25E-25
0.98285	0.180439	8.81E-05	-0.04729	0.30783
0.72823	-0.03342	0.47129	0.139337	0.00255
0.15464	-0.05021	0.2789	0.091559	0.04799
0.00244	-0.05171	0.26479	-0.18929	3.84E-05
0.90789	-0.01866	0.68749	-0.01421	0.7594
0.1381	-0.07475	0.1067	0.007526	0.87114
0.26867	-0.04133	0.37283	0.26281	8.13E-09
0.11236	0.084205	0.06906	-0.02727	0.55667
0.08276	0.080535	0.08212	-0.21752	2.09E-06
0.59074	-0.04386	0.34428	0.300002	3.62E-11
0.46557	0.105543	0.02254	-0.03201	0.49009
0.66419	0.150658	0.00109	-0.09361	0.04318
0.48505	-0.16641	0.0003	0.442265	8.73E-24
0.0016	0.015537	0.73771	0.418829	2.92E-21
0.20672	0.051424	0.26741	-0.04215	0.36339
0.12935	-0.03993	0.38934	0.165233	0.00034
0.8694	-0.04662	0.31472	0.081891	0.07707
0.11768	0.022622	0.62582	0.419629	2.42E-21
0.09855	0.033891	0.46499	-0.13247	0.00413
0.01092	0.17084	0.00021	0.195443	2.11E-05
0.15034	-0.13969	0.00248	-0.07208	0.11982

0.26777	-0.01923	0.6785	0.022634	0.62564
0.00444	-0.18286	7.05E-05	0.284405	3.87E-10
0.04248	-0.15584	0.00073	0.44809	1.92E-24
0.09824	-0.10209	0.02739	-0.0849	0.0668
0.3033	-0.16335	0.00039	0.217797	2.02E-06
0.14206	0.063892	0.16807	-0.14309	0.00194
0.02425	-0.0233	0.61544	0.137489	0.00291
0.33727	-0.09261	0.04548	0.185046	5.75E-05
0.25564	-0.06035	0.19293	-0.06009	0.19488
0.27386	0.015691	0.73521	-0.00285	0.95109
0.77758	-0.06289	0.17489	0.32651	4.61E-13
0.00013	-0.08384	0.07029	0.381421	1.28E-17
0.2746	0.009134	0.84393	0.223834	1.03E-06
6.33E-06	0.167512	0.00028	0.201951	1.09E-05
1.43E-07	0.028588	0.53772	0.352518	4.13E-15
0.07556	0.244415	8.84E-08	-0.1232	0.00769
0.51999	-0.07613	0.10036	0.167385	0.00028
0.76977	-0.0667	0.15014	0.199158	1.45E-05
0.01961	-0.11067	0.01673	0.377771	2.74E-17
0.71407	-0.00609	0.89561	0.129804	0.00496
0.00145	0.109591	0.01783	0.091094	0.04914
0.03357	3.98E-05	0.99932	0.396697	4.74E-19
0.97175	-0.00141	0.97581	-0.18563	5.44E-05
0.01103	-0.05191	0.26291	0.196817	1.84E-05
0.6727	-0.23056	4.73E-07	0.470634	4.08E-27
1.59E-05	-0.00988	0.8314	-0.05331	0.25023
0.06934	-0.08949	0.05329	-0.11284	0.01469
0.00249	0.130386	0.00477	0.276538	1.21E-09
0.28521	-0.01164	0.80194	0.190175	3.53E-05
0.80198	0.150471	0.00111	0.113354	0.01425
0.07052	-0.11984	0.00954	0.355325	2.42E-15
0.0005	-0.17837	0.00011	0.012952	0.78012
0.01765	0.010824	0.81553	-0.00045	0.99232
0.69002	0.063119	0.17329	0.027994	0.54621
0.00678	-0.09328	0.04393	-0.07429	0.10888
0.00267	0.082755	0.074	0.168306	0.00026
0.14403	0.030353	0.51291	0.105041	0.0232
0.03659	-0.05294	0.25358	0.12331	0.00764
0.00834	-0.02288	0.6219	0.22178	1.30E-06
0.06095	-0.09108	0.04917	0.009762	0.83335
2.88E-10	0.406106	5.70E-20	0.20089	1.22E-05
3.97E-09	0.325072	5.91E-13	0.102046	0.02745
0.2059	-0.04152	0.37064	0.286353	2.90E-10
2.63E-05	-0.04294	0.3545	0.251377	3.66E-08
0.0857	-0.04642	0.3168	0.316159	2.67E-12

0.0207	0.018396	0.69173	0.263509	7.39E-09
0.71807	-0.09746	0.03525	0.355717	2.24E-15
0.13064	-0.072	0.12025	0.113417	0.01419
0.83468	0.056917	0.21957	-0.26856	3.71E-09
0.20651	-0.03178	0.49326	0.077961	0.09241
6.65E-08	0.056292	0.22468	0.49727	1.54E-30
0.11655	0.003514	0.93964	0.258928	1.37E-08
0.20994	-0.09855	0.03324	0.307819	1.05E-11
0.19466	-0.10077	0.02945	0.207322	6.26E-06
0.12742	-0.00908	0.8448	0.278327	9.36E-10
0.46125	-0.10097	0.02913	0.298966	4.26E-11
0.08407	-0.11933	0.00985	-0.03623	0.43472
0.00733	-0.07925	0.08714	0.227255	6.94E-07
0.00292	-0.11368	0.01397	0.020404	0.66008
0.00128	-0.17288	0.00017	0.188696	4.07E-05
0.00403	-0.01465	0.75212	0.050137	0.27958
0.33616	-0.1449	0.00169	0.237089	2.17E-07
0.13647	-0.13226	0.00419	0.157213	0.00065
0.28961	0.07523	0.10444	0.251419	3.64E-08
0.37927	-0.02394	0.60586	0.217945	1.99E-06
0.51824	-0.09449	0.04124	-0.04672	0.31375
0.15044	0.144338	0.00176	0.153624	0.00087
9.63E-07	0.230453	4.79E-07	0.043775	0.34522
0.04646	-0.0658	0.15573	0.093443	0.04356
0.07527	-0.10941	0.01802	0.175143	0.00014
0.66808	-0.15909	0.00056	-0.01435	0.75708
3.30E-06	0.030001	0.5178	0.438673	2.19E-23
0.23555	0.079142	0.08757	-0.04317	0.35193
0.05332	-0.0396	0.3932	0.375177	4.68E-17
0.10102	0.046978	0.31104	-0.34217	2.84E-14
0.23392	-0.06745	0.14557	0.037357	0.42058
0.46374	-0.01113	0.81049	0.009366	0.84003
0.4654	0.049869	0.28217	0.010503	0.82092
0.00666	-0.09261	0.04546	0.047755	0.30309
0.03472	-0.06307	0.17365	0.102019	0.02749
0.34996	-0.10449	0.02394	0.424337	7.77E-22
0.93672	0.108236	0.0193	0.110754	0.01665
0.91896	-0.03731	0.42115	0.103137	0.02583
0.09754	-0.02983	0.5202	0.12309	0.00774
0.57198	0.044061	0.34208	-0.12602	0.00639
0.16549	0.023219	0.61673	0.305709	1.47E-11
0.39418	-0.01939	0.67596	0.143928	0.00182
0.61196	0.014933	0.74757	-0.19025	3.50E-05
0.08811	-0.0721	0.11974	0.301583	2.83E-11
0.1468	-0.08909	0.05435	0.384222	7.07E-18



0.56049	0.028622	0.53724	0.149227	0.00122
7.30E-05	0.078327	0.09089	0.389612	2.23E-18
0.16729	-0.17908	9.98E-05	0.275086	1.49E-09
0.11857	0.166516	0.0003	-0.02884	0.53413
0.92205	0.009588	0.83629	0.077244	0.09546
0.49063	-0.08492	0.06673	-0.0045	0.92267
0.24495	-0.07006	0.13056	0.400796	1.90E-19
0.1926	-0.01483	0.74917	0.031984	0.49051
0.20139	-0.01042	0.82236	0.062651	0.17651
0.01412	0.102017	0.02749	-0.12645	0.00621
0.9238	0.092766	0.04511	0.007117	0.87809
0.7239	0.059601	0.19855	0.065522	0.15746
0.23463	0.144012	0.00181	-0.09838	0.03355
0.12251	-0.04156	0.37024	0.063336	0.17181
0.44738	-0.11477	0.01307	0.011376	0.80632
0.75249	-0.02862	0.53725	0.245568	7.66E-08
0.27517	-0.1522	0.00097	0.04989	0.28197
0.85192	0.108342	0.01919	0.176146	0.00013
0.0027	-0.0871	0.05999	-0.09007	0.05175
0.54349	-0.09131	0.0486	0.367122	2.40E-16
0.03013	0.0617	0.18318	0.388695	2.72E-18
0.12465	-0.10171	0.02796	0.158883	0.00057
0.42487	-0.26	1.18E-08	0.438819	2.11E-23
0.95693	0.054725	0.23786	-0.1985	1.55E-05
0.01924	-0.05617	0.22571	0.212704	3.53E-06
0.77228	-0.01408	0.76153	0.059458	0.19963
0.89455	-0.15304	0.00091	0.115428	0.01256
5.98E-11	-0.22931	5.47E-07	-0.23748	2.07E-07
0.68423	-0.1329	0.00401	0.053143	0.25173
0.72101	0.133574	0.00383	-0.12743	0.00582
0.46202	-0.11182	0.01562	0.100347	0.03014
0.39463	0.044959	0.33232	0.165858	0.00032
0.56154	-0.05952	0.19914	0.161108	0.00047
0.02382	-0.04177	0.36776	0.00048	0.99174
0.97324	-0.13822	0.00276	0.118497	0.01038
0.01375	0.024418	0.59865	0.111965	0.01549
0.79571	-0.00037	0.99358	0.216718	2.28E-06
0.50796	-0.11744	0.01109	0.263544	7.36E-09
0.64041	0.053318	0.25016	0.103674	0.02506
0.0812	-0.0549	0.23639	0.156196	0.00071
0.3417	0.009711	0.83422	0.406637	5.05E-20
0.59905	-0.05045	0.27656	0.310074	7.26E-12
0.06283	-0.08856	0.05582	0.039539	0.39395
0.43276	-0.1257	0.00653	0.249368	4.74E-08
0.79679	-0.00802	0.86278	0.00404	0.93061

0.77251	-0.00604	0.89646	0.10435	0.02412
0.84715	0.009569	0.83661	0.126985	0.006
0.9759	-0.06488	0.1616	0.33941	4.70E-14
0.06688	-0.09705	0.03603	0.159905	0.00052
0.01875	-0.02244	0.62861	0.03903	0.40007
0.73573	-0.10281	0.02631	0.315508	2.97E-12
0.00391	-0.11755	0.01101	0.069152	0.13566
0.00773	-0.02341	0.61378	-0.00747	0.87213
0.00107	-0.19282	2.73E-05	-0.12851	0.00541
0.03439	-0.06984	0.13178	0.03134	0.49929
0.76682	-0.01069	0.81772	0.150727	0.00109
0.18582	-0.0201	0.66489	-0.19897	1.48E-05
0.02139	-0.09892	0.03258	-0.0601	0.1948
0.26934	-0.0829	0.07349	0.215687	2.55E-06
0.10836	-0.12229	0.00816	0.128147	0.00555
0.95289	-0.06185	0.1821	0.20696	6.50E-06
0.15294	0.114826	0.01303	-0.18427	6.18E-05
0.06804	-0.02083	0.65337	-0.25814	1.52E-08
0.2583	-0.00803	0.86263	0.233714	3.26E-07
0.02533	0.084455	0.06823	-0.27986	7.51E-10
0.24466	-0.09938	0.03177	0.263758	7.15E-09
0.61286	-0.06931	0.13478	0.444615	4.75E-24
0.8752	0.091708	0.04763	-0.23192	4.03E-07
6.56E-07	0.007163	0.87732	-0.00026	0.99553
0.36612	-0.00501	0.91398	-0.0582	0.20932
0.01567	-0.06809	0.14179	0.309078	8.54E-12
0.69845	-0.12006	0.00941	0.377674	2.79E-17
0.16275	-0.02407	0.60389	-0.08453	0.06798
0.1663	0.050011	0.2808	0.063046	0.17379
0.7288	0.066159	0.15345	0.274201	1.69E-09
0.03102	-0.01932	0.67705	0.046223	0.31889
0.00369	-0.0059	0.89875	0.190742	3.34E-05
0.59448	-0.03624	0.43465	0.180913	8.44E-05
3.39E-05	0.056035	0.2268	0.163797	0.00038
0.14488	-0.06982	0.13189	0.025866	0.57714
0.32921	-0.13052	0.00473	0.41817	3.42E-21
0.00133	-0.10334	0.02554	-0.05007	0.28022
0.06146	-0.04166	0.36908	0.176644	0.00012
0.32737	-0.0046	0.92105	-0.1317	0.00436
0.36669	0.13284	0.00403	-0.07842	0.0905
0.01679	-0.04494	0.33254	-0.05871	0.20539
0.04243	0.230171	4.95E-07	-0.18818	4.27E-05
0.64945	-0.00583	0.90002	0.015187	0.74341
0.35014	-0.00454	0.92205	-0.03143	0.49805
0.1052	0.013408	0.77259	0.069751	0.13229

0.60249	0.001387	0.97615	-0.04704	0.31037
2.13E-07	-0.16754	0.00028	0.058523	0.20681
0.3646	-0.10014	0.03048	0.184354	6.13E-05
0.4669	-0.03274	0.48035	0.458511	1.18E-25
0.49627	0.002285	0.96071	0.11869	0.01025
0.45732	0.027364	0.55527	-0.08388	0.07013
8.35E-07	0.261894	9.19E-09	-0.09897	0.0325
0.27701	-0.09335	0.04377	0.060404	0.19256
0.34363	-0.00344	0.94092	0.059095	0.2024
0.50696	-0.09287	0.04487	0.198681	1.52E-05
0.01299	-0.01438	0.75663	0.257885	1.57E-08
0.33293	0.011517	0.80397	0.134114	0.00369
0.6183	-0.06759	0.14475	0.033204	0.4741
0.31336	-0.08611	0.06299	0.014863	0.7487
0.6746	-0.03587	0.43936	0.253104	2.93E-08
0.97478	-0.11183	0.01562	0.381753	1.19E-17
0.12317	-0.06446	0.16433	0.106799	0.02098
0.57232	0.077076	0.09618	-0.12273	0.00793
0.00396	-0.07027	0.12945	-0.08041	0.08259
0.05603	-0.0808	0.08112	0.156723	0.00068
0.05312	0.067694	0.14411	0.089888	0.05223
0.01577	0.057292	0.21653	-0.18604	5.23E-05
0.63448	-0.02374	0.60889	-0.15467	0.0008
0.00027	0.009332	0.8406	0.264669	6.32E-09
0.80424	-0.04469	0.33526	0.269223	3.38E-09
0.4128	-0.10853	0.01898	0.20205	1.08E-05
0.9865	-0.13805	0.00279	0.141648	0.00215
0.64607	-0.21078	4.34E-06	0.356114	2.08E-15
0.0567	-0.02202	0.63505	-0.06199	0.18111
0.33234	-0.03123	0.50081	0.21965	1.65E-06
0.52154	-0.08271	0.07416	0.128782	0.00532
0.77207	0.073217	0.11408	-0.04453	0.33697
0.65998	0.035763	0.4407	0.22742	6.81E-07
0.0763	-0.08856	0.05582	0.194014	2.43E-05
2.59E-17	0.39143	1.50E-18	-0.0112	0.80928
0.13957	-0.01722	0.71059	0.11346	0.01416
0.85889	-0.04329	0.35057	0.026637	0.56584
0.05546	-0.03045	0.51151	0.265454	5.68E-09
0.46345	-0.02993	0.51874	0.099985	0.03075
0.00166	-0.02326	0.61604	-0.00177	0.96955
0.42582	-0.18684	4.85E-05	0.217024	2.20E-06
0.0003	-0.10168	0.02801	0.13224	0.0042
0.29091	-0.15511	0.00077	0.040876	0.37814
0.00519	-0.09154	0.04804	-0.21034	4.54E-06
0.11789	-0.07179	0.12134	0.234104	3.11E-07

0.21146	-0.03973	0.3917	0.095213	0.03971
0.40026	-0.1475	0.00139	0.051744	0.26445
0.00085	-0.11672	0.0116	0.231528	4.22E-07
0.08125	-0.02479	0.59308	0.271401	2.50E-09
0.40354	-0.11868	0.01026	0.388456	2.86E-18
0.77702	0.094744	0.0407	-0.00219	0.96228
0.02088	-0.17145	0.0002	0.037038	0.42456
4.12E-06	0.163883	0.00038	-0.07386	0.11091
0.01113	-0.03133	0.49949	0.023784	0.60817
0.01395	-0.03816	0.41069	0.014963	0.74707
0.00583	0.200022	1.33E-05	-0.029	0.53182
0.6661	-0.072	0.12021	0.123695	0.00745
0.0126	-0.0599	0.19633	-0.0237	0.60948
0.64184	-0.084	0.06975	0.237024	2.19E-07
0.08172	-0.078	0.09223	0.267215	4.46E-09
0.10529	-0.02184	0.63776	0.391002	1.65E-18
0.71893	-0.15895	0.00057	0.278038	9.76E-10
1.78E-05	-0.01222	0.79233	-0.02689	0.56208
0.01516	-0.14983	0.00116	-0.13425	0.00365
0.01748	-0.12969	0.005	0.551119	1.86E-38
0.00511	0.018651	0.68768	-0.24738	6.09E-08
0.83023	0.075014	0.10545	-0.02183	0.63791
0.05513	0.056839	0.2202	-0.03595	0.43833
0.00382	-0.07288	0.11576	0.409264	2.76E-20
0.99297	-0.01539	0.74005	-0.02889	0.53337
0.10072	-0.13919	0.00257	0.154515	0.00081
0.17964	-0.15857	0.00058	0.257016	1.76E-08
0.2482	-0.01704	0.71335	0.512065	1.41E-32
0.03673	-0.06649	0.15141	-0.05951	0.19922
0.00122	-0.15265	0.00093	-0.06032	0.19318
5.05E-05	0.248857	5.05E-08	-0.00873	0.85081
0.00043	-0.14255	0.00201	-0.05539	0.23218
0.01294	-0.11574	0.01232	-0.01992	0.66759
0.0194	-0.12752	0.00579	0.009523	0.83738
0.15644	0.095031	0.04009	0.052542	0.25714
0.3156	-0.01906	0.68116	0.212721	3.52E-06
0.69549	-0.00564	0.90329	0.406419	5.31E-20
0.60679	-0.03945	0.39502	0.184063	6.30E-05
0.48143	-0.12515	0.00677	0.214656	2.85E-06
0.60883	-0.06319	0.17279	-0.0004	0.99312
0.93108	-0.1858	5.36E-05	0.413442	1.04E-20
0.48137	0.020559	0.65767	0.041591	0.36984
0.06917	0.080619	0.0818	0.102032	0.02747
0.00021	0.229104	5.60E-07	0.109487	0.01794
0.00519	0.005328	0.90857	0.050404	0.27703

4.63E-05	-0.02877	0.53516	0.355906	2.16E-15
0.03463	-0.0073	0.87498	0.03527	0.44703
0.90543	-0.07298	0.11527	0.296149	6.59E-11
0.00133	-0.04892	0.2914	0.006359	0.891
0.08464	-0.13583	0.00327	0.232288	3.86E-07
0.02824	-0.02885	0.53394	0.301857	2.71E-11
0.84732	0.240067	1.51E-07	0.073823	0.11111
0.00437	0.101708	0.02797	-0.09508	0.04
0.29348	-0.05634	0.2243	0.247971	5.66E-08
0.95085	-0.08048	0.08231	0.047485	0.30585
0.4422	-0.16363	0.00038	0.015842	0.73276
0.3063	0.117117	0.01131	-0.06832	0.14046
0.01997	0.105252	0.02292	0.126701	0.00611
0.28042	-0.02354	0.61191	-0.04858	0.29485
0.08848	-0.06934	0.13458	-0.16975	0.00023
0.03567	-0.13314	0.00395	0.112052	0.01541
0.00229	0.028443	0.53979	0.492136	7.41E-30
0.0258	-0.10003	0.03067	0.284834	3.63E-10
6.47E-05	-0.12618	0.00633	0.043765	0.34533
0.09662	0.150506	0.0011	-0.02267	0.62509
0.00661	0.15845	0.00059	-0.0932	0.0441
0.0049	-0.0331	0.47553	0.419129	2.72E-21
0.58054	-0.10798	0.01959	0.361814	6.86E-16
0.11445	-0.0518	0.26396	0.121386	0.00864
0.00356	0.053862	0.24536	-0.02512	0.5882
0.00679	-0.03015	0.51574	0.25235	3.23E-08
0.92119	0.10553	0.02256	0.004606	0.92092
0.53116	0.055285	0.2331	-0.05522	0.2336
0.07414	-0.03883	0.40245	0.136086	0.00321
4.94E-08	0.234255	3.05E-07	0.058868	0.20414
0.00062	-0.18115	8.26E-05	0.106155	0.02177
0.73614	0.074486	0.10793	-0.15237	0.00096
0.00626	-0.12909	0.00521	0.661762	3.74E-60
0.10806	-0.03578	0.44052	-0.20325	9.56E-06
0.00252	-0.0122	0.79266	0.362312	6.22E-16
0.29166	0.004301	0.92614	-0.18995	3.60E-05
0.09348	-0.03487	0.45214	0.091077	0.04918
0.0019	-0.06134	0.18578	-0.23282	3.62E-07
0.03804	0.027395	0.55484	0.27357	1.84E-09
0.00821	-0.14072	0.0023	0.035037	0.45004
0.9175	-0.00163	0.97194	0.173517	0.00016
0.85262	-0.01166	0.8016	0.102347	0.02699
8.42E-05	-0.10477	0.02356	-0.31106	6.18E-12
0.00243	-0.09133	0.04856	0.18645	5.03E-05
0.00492	-0.14575	0.00159	0.003614	0.93791

8.19E-07	0.007993	0.86322	0.33696	7.31E-14
0.25923	-0.12167	0.00849	0.232704	3.67E-07
0.75083	-0.06635	0.15229	0.02627	0.57121
0.30146	-0.01976	0.6701	0.298844	4.34E-11
1.96E-05	0.070035	0.13072	0.178129	0.00011
0.10796	0.051035	0.27106	-0.05138	0.26786
0.0674	0.091706	0.04763	0.038859	0.40214
0.4147	-0.0525	0.25756	0.358669	1.27E-15
0.04487	-0.08174	0.07762	0.233382	3.39E-07
0.27892	0.052999	0.25301	0.355554	2.31E-15
0.00072	-0.07345	0.11295	-0.05652	0.22278
0.61327	0.046042	0.32079	-0.08271	0.07415
0.00108	0.13235	0.00417	0.303085	2.23E-11
0.09898	-0.18196	7.66E-05	-0.04664	0.31457
0.14749	0.028113	0.5445	0.277297	1.09E-09
0.3554	0.041994	0.36522	0.19	3.59E-05
0.00163	-0.10577	0.02225	0.011176	0.80965
0.00497	-0.01273	0.78388	-0.04194	0.36582
0.00115	-0.04484	0.33364	0.610569	4.77E-49
0.85746	0.011421	0.80556	0.069781	0.13212
0.92599	-0.19195	2.97E-05	0.121987	0.00832
0.00015	0.267013	4.59E-09	0.286104	3.01E-10
0.08192	-0.02341	0.61379	0.045205	0.32967
0.21304	0.063565	0.17027	0.01289	0.78115
0.03529	-0.11476	0.01308	0.073449	0.11294
0.00052	-0.20859	5.47E-06	0.002418	0.95843
0.88986	-0.04937	0.28706	0.080915	0.08068
0.01958	-0.08774	0.05815	-0.04911	0.28959
0.38332	-0.04733	0.30744	0.177397	0.00012
0.46641	0.058573	0.20642	0.186749	4.89E-05
0.09972	-0.05039	0.27719	-0.05877	0.20489
0.00749	-0.13816	0.00277	0.03578	0.44048
0.01519	-0.10804	0.01952	0.008887	0.8481
0.40502	-0.08288	0.07357	0.043189	0.35173
0.56488	-0.06065	0.19078	0.002602	0.95528
0.13877	-0.21057	4.44E-06	0.128905	0.00527
0.27988	0.082717	0.07413	0.023314	0.61529
0.2967	-0.02523	0.5866	0.201351	1.16E-05
0.09048	-0.0877	0.05825	0.223776	1.03E-06
0.00714	-0.14613	0.00154	0.085826	0.06386
0.00198	-0.0423	0.3617	0.416287	5.35E-21
0.15912	-0.12198	0.00832	0.053632	0.24739
0.47728	0.017821	0.70089	0.020505	0.6585
1.13E-06	0.112912	0.01463	0.276459	1.22E-09
0.8445	-0.2044	8.49E-06	0.437075	3.29E-23

0.78366	0.072378	0.1183	-0.03648	0.43161
0.44235	-0.03757	0.418	0.067891	0.14295
0.00176	0.157337	0.00064	0.101147	0.02885
0.40998	0.011158	0.80996	0.172345	0.00018
0.15502	-0.07443	0.1082	0.025966	0.57567
0.00274	-0.01161	0.80233	0.033995	0.46364
0.02287	-0.06547	0.15777	0.007647	0.8691
0.7848	-0.13265	0.00408	-0.01501	0.74625
0.65451	0.01651	0.72196	-0.07734	0.09503
0.11564	0.002661	0.95427	0.268863	3.56E-09
0.00011	-0.10003	0.03067	-0.23257	3.73E-07
0.02673	-0.11279	0.01474	0.004263	0.92679
0.07056	0.010748	0.8168	-0.03246	0.48403
0.6601	-0.08274	0.07406	0.111984	0.01547
0.00013	0.089941	0.05209	0.089671	0.05281
0.02729	-0.18688	4.83E-05	-0.03395	0.46419
0.66502	-0.03359	0.46896	0.028634	0.53706
0.54014	-0.06304	0.17383	0.066656	0.15038
0.64554	-0.15433	0.00082	0.138137	0.00278
0.61308	0.014708	0.75124	0.359872	1.00E-15
0.41146	-0.04943	0.28639	0.361617	7.13E-16
0.25456	-0.08705	0.06014	0.490316	1.29E-29
0.84888	0.00471	0.91914	-0.1412	0.00222
0.2604	-0.07266	0.11688	0.325262	5.72E-13
0.22245	-0.11851	0.01037	0.207554	6.11E-06
0.22686	-0.17166	0.00019	0.418125	3.46E-21
0.3303	-0.11346	0.01415	0.273664	1.82E-09
0.0408	0.057437	0.21537	0.098874	0.03266
0.07018	-0.0554	0.23215	0.503403	2.26E-31
0.62306	-0.09174	0.04755	0.221513	1.34E-06
0.19663	0.215641	2.56E-06	-0.23192	4.03E-07
0.05849	-0.06369	0.16941	0.043481	0.34847
0.12909	-0.01537	0.74049	0.272201	2.23E-09
0.22724	0.112842	0.0147	-0.16609	0.00031
0.15522	0.049679	0.28401	-0.16321	0.0004
0.39045	-0.16322	0.0004	0.295601	7.17E-11
0.83058	-0.11262	0.0149	0.220742	1.46E-06
0.75764	0.059438	0.19979	0.302303	2.52E-11
0.53653	0.046712	0.31379	0.090856	0.04974
0.92776	-0.01734	0.70865	0.148303	0.00131
0.4765	-0.06267	0.17639	0.095969	0.03816
0.82868	-0.06828	0.14064	0.090292	0.05118
0.72108	-0.09645	0.03719	0.353184	3.64E-15
0.71746	-0.01791	0.69947	0.099943	0.03082
0.04046	0.059787	0.19715	-0.32296	8.48E-13

0.00572	-0.06973	0.13239	-0.02263	0.62569
0.20642	-0.02262	0.62585	-0.08357	0.07117
0.96468	-0.05491	0.2363	0.272353	2.19E-09
0.69097	-0.08907	0.05441	0.331651	1.88E-13
0.13603	0.171323	0.0002	-0.10539	0.02274
0.82082	-0.09679	0.03654	0.187207	4.69E-05
0.02077	0.166897	0.00029	0.179455	9.64E-05
0.16814	-0.13153	0.00441	0.122943	0.00782
0.15747	-0.04538	0.32784	0.310983	6.26E-12
7.31E-06	-0.06791	0.14286	-0.087	0.06031
0.02668	-0.14933	0.00121	0.276956	1.14E-09
0.05061	-0.1098	0.01761	0.356036	2.11E-15
1.25E-05	0.158089	0.00061	0.034801	0.4531
0.81274	-0.04998	0.28109	0.071001	0.12548
0.00016	0.222773	1.16E-06	0.169017	0.00024
0.48025	-0.05845	0.20741	0.329938	2.54E-13
0.26198	-0.08899	0.05464	0.109396	0.01804
0.28744	-0.06706	0.14791	0.048858	0.29205
0.7043	-0.04619	0.31921	0.247155	6.27E-08
0.1562	-0.15858	0.00058	0.155609	0.00074
0.55062	0.147343	0.00141	-0.4447	4.65E-24
0.00567	0.247118	6.30E-08	-0.18701	4.78E-05
0.00162	-0.04676	0.31332	-0.22312	1.11E-06
0.29415	-0.02575	0.57882	0.270325	2.90E-09
0.09062	-0.09491	0.04034	0.194523	2.31E-05
0.43645	-0.09106	0.04922	0.477592	5.55E-28
0.00337	-0.05331	0.25024	-0.14091	0.00227
0.25333	0.082037	0.07655	0.006439	0.88963
0.0526	-0.03478	0.45331	0.199001	1.48E-05
0.84342	0.129729	0.00499	-0.19219	2.90E-05
0.84815	-0.02721	0.55753	-0.10786	0.01973
0.04797	0.03958	0.39346	0.018369	0.69215
0.05168	-0.02652	0.5676	0.140383	0.00236
0.02749	-0.0992	0.0321	0.103764	0.02494
0.17773	-0.14518	0.00166	0.155091	0.00077
0.01601	-0.06428	0.16551	-0.00444	0.9238
0.17596	-0.0688	0.13764	0.155784	0.00073
0.00315	0.073394	0.11321	0.166905	0.00029
0.08647	0.01077	0.81644	-0.01385	0.76537
0.06353	0.003375	0.94202	0.41684	4.69E-21
0.17444	-0.12465	0.007	0.291265	1.39E-10
0.55834	-0.078	0.09227	0.318836	1.71E-12
3.34E-09	-0.02842	0.54017	0.720818	4.86E-76
0.47233	-0.00876	0.85027	0.249571	4.61E-08
0.14205	-0.07003	0.13076	0.063681	0.16948



0.06666	0.018068	0.69696	0.3492	7.72E-15
0.42314	-0.05946	0.19964	0.183482	6.65E-05
0.37997	-0.08749	0.05887	0.103547	0.02524
0.86673	-0.16379	0.00038	0.264301	6.64E-09
0.05116	-0.04775	0.30315	-0.28507	3.51E-10
0.64813	-0.0179	0.69961	0.390687	1.77E-18
0.3287	-0.11527	0.01268	-0.01038	0.82295
0.78737	-0.17991	9.25E-05	0.226208	7.83E-07
0.02861	-0.03739	0.4202	0.152702	0.00093
0.79045	-0.00863	0.85242	0.051683	0.26501
0.13468	-0.11442	0.01335	0.124381	0.00712
0.53416	-0.03972	0.39181	0.123819	0.00739
0.01711	0.07136	0.12357	-0.11532	0.01264
0.02995	-0.0232	0.61699	0.37775	2.75E-17
0.65625	0.125283	0.00671	-0.18429	6.17E-05
0.01323	-0.06711	0.14763	0.494491	3.61E-30
0.01404	-0.05575	0.2292	0.06883	0.13749
0.6418	-0.04648	0.31621	0.120299	0.00926
0.4377	-0.05748	0.21504	0.013804	0.76607
0.45869	-0.01232	0.79052	0.024788	0.59313
0.29266	-0.01801	0.69791	-0.13201	0.00427
0.65202	0.041808	0.36735	0.039814	0.39065
0.60027	0.111484	0.01594	0.16441	0.00036
0.09546	-0.08712	0.05995	0.054937	0.23605
0.01094	-0.06258	0.17699	0.04924	0.28829
0.00721	-0.0816	0.07813	0.199653	1.38E-05
0.37138	-0.03058	0.50979	0.164298	0.00036
0.7913	0.010255	0.82507	-0.08452	0.06803
0.08774	-0.03457	0.45604	0.375645	4.25E-17
0.51812	0.013379	0.77306	0.036871	0.42665
0.00022	-0.03885	0.40224	-0.32818	3.45E-13
0.57076	-0.07719	0.0957	0.027473	0.5537
0.18843	-0.00591	0.89858	0.394439	7.79E-19
3.10E-05	0.020804	0.65385	-0.05814	0.2098
0.00959	-0.20391	8.93E-06	-0.23264	3.70E-07
0.06257	0.009842	0.83201	-0.2025	1.03E-05
0.32341	-0.08888	0.05495	-0.19494	2.21E-05
0.19825	-0.11106	0.01635	0.129168	0.00518
0.78755	0.046255	0.31855	0.17679	0.00012
0.74656	-0.05574	0.22926	-0.34803	9.62E-15
0.77357	0.091028	0.04931	-0.21888	1.79E-06
0.22147	0.004299	0.92619	0.176694	0.00012
0.01429	0.147793	0.00136	0.059129	0.20214
0.00539	-0.14711	0.00143	-0.15222	0.00097
0.00051	-0.05689	0.21977	-0.22704	7.12E-07

0.85493	-0.01016	0.8267	0.09841	0.03349
0.52246	0.10957	0.01785	-0.01514	0.74411
0.11641	-0.09166	0.04775	0.109077	0.01838
0.00021	-0.09944	0.03167	0.142358	0.00204
0.35476	0.038083	0.4116	0.206042	7.16E-06
0.00031	0.163568	0.00039	0.211186	4.15E-06
0.51936	-0.09071	0.05011	-0.03838	0.40801
0.0227	0.02137	0.64507	0.107126	0.02059
0.7297	-0.01912	0.68019	0.07568	0.10238
0.80202	-0.04472	0.33488	0.107658	0.01996
0.21384	-0.00949	0.83792	0.206947	6.51E-06
0.41139	-0.06563	0.15675	0.318654	1.76E-12
0.90848	-0.01955	0.6734	0.065428	0.15806
0.49424	-0.00327	0.94377	0.106818	0.02096
0.89366	-0.05066	0.27455	0.293176	1.04E-10
0.03358	-0.06428	0.16549	0.088511	0.05596
0.46889	0.050329	0.27775	-0.06909	0.13599
0.43052	-0.07283	0.11603	0.08938	0.05358
0.77925	-0.04903	0.29033	0.021042	0.65016
0.4323	-0.035	0.45052	-0.01148	0.80457
3.87E-05	-0.07137	0.12352	-0.17504	0.00014
3.70E-05	0.012807	0.78253	-0.03686	0.42686
0.47913	0.157433	0.00064	-0.32147	1.09E-12
0.28677	-0.18185	7.74E-05	0.374961	4.89E-17
0.62178	-0.03949	0.39449	0.449831	1.21E-24
0.13331	-0.15049	0.00111	0.08399	0.06977
0.86846	0.046485	0.31615	0.380725	1.48E-17
0.23709	-0.0654	0.15826	0.145963	0.00156
0.10138	-0.06443	0.16453	-0.0656	0.15695
0.10528	0.026795	0.56354	-0.01074	0.81694
0.00937	-0.07063	0.12746	0.285704	3.19E-10
0.78881	-0.06944	0.13405	0.325021	5.96E-13
6.80E-11	0.423884	8.67E-22	-0.03843	0.40741
0.02312	-0.03875	0.40346	0.570049	1.35E-41
0.18395	-0.17534	0.00014	0.290664	1.52E-10
0.00165	0.002844	0.95112	-0.05031	0.27794
0.49281	-0.07879	0.08898	0.014498	0.75467
0.3541	-0.21832	1.91E-06	0.297521	5.33E-11
0.25781	-0.04068	0.38045	0.140069	0.00242
0.03448	-0.05722	0.21708	0.546109	1.17E-37
0.91858	-0.03095	0.50462	0.062578	0.17701
0.0191	-0.05966	0.19809	0.494287	3.84E-30
0.11307	-0.09409	0.04211	0.062157	0.17995
0.00698	0.070042	0.13068	0.150889	0.00107
0.00028	-0.05196	0.26247	-0.15684	0.00067

0.05439	0.012746	0.78353	0.504518	1.59E-31
0.0262	-0.06146	0.18491	-0.03816	0.41063
0.67099	0.005406	0.90725	-0.12315	0.00772
0.33391	-0.05369	0.24688	0.096454	0.03719
0.00161	-0.098	0.03425	-0.09957	0.03145
0.00609	0.167515	0.00028	0.069878	0.13159
0.00048	-0.10711	0.0206	-0.14916	0.00123
0.87426	-0.03411	0.46207	-0.08928	0.05385
0.26789	0.015946	0.73108	-0.11102	0.01639
8.40E-07	0.28642	2.87E-10	0.139691	0.00248
0.03458	-0.09199	0.04695	-0.0346	0.45575
0.03234	-0.12959	0.00503	0.150902	0.00107
0.69901	-0.02832	0.54156	-0.1305	0.00473
0.58662	0.004372	0.92493	0.1729	0.00017
0.13161	-0.05163	0.26551	0.141986	0.0021
0.01601	-0.14881	0.00126	0.15449	0.00081
0.91798	-0.14802	0.00134	0.158501	0.00059
0.14928	-0.00474	0.91858	0.125027	0.00683
0.87852	-0.11398	0.01372	0.285932	3.09E-10
0.64135	-0.03432	0.45935	0.124859	0.0069
0.71671	-0.07879	0.08898	0.363367	5.05E-16
0.24159	-0.16436	0.00036	0.0181	0.69645
0.17554	-0.05329	0.25038	0.119886	0.00951
0.06416	-0.05305	0.25255	0.065869	0.15527
0.08561	-0.00092	0.9841	0.090009	0.05192
0.03424	0.043465	0.34865	-0.09952	0.03153
0.00088	-0.04363	0.3468	-0.13269	0.00407
2.97E-05	0.029596	0.52347	0.470097	4.74E-27
0.08058	-0.06371	0.1693	0.051012	0.27127
0.07438	0.093726	0.04292	0.245655	7.57E-08
0.00183	-0.10086	0.02931	-0.01513	0.74439
0.05942	0.007556	0.87064	-0.00238	0.95902
9.57E-07	-0.17781	0.00011	-0.09689	0.03634
0.2676	-0.11504	0.01286	0.170762	0.00021
0.01034	-0.00279	0.95213	0.320498	1.29E-12
0.00119	-0.25547	2.15E-08	0.307217	1.15E-11
0.007	0.129422	0.00509	0.445705	3.58E-24
0.21065	-0.20013	1.32E-05	0.20554	7.54E-06
0.02248	-0.12145	0.00861	0.129581	0.00504
0.34925	-0.06866	0.13848	0.169415	0.00024
0.19572	-0.06577	0.15587	0.02308	0.61884
0.02326	-0.12277	0.00791	0.00423	0.92737
0.00266	-0.07734	0.09507	-0.00374	0.93568
0.01053	0.036479	0.43159	-0.05931	0.20074
0.01238	-0.15633	0.0007	0.221064	1.41E-06

0.53454	-0.11086	0.01654	0.089079	0.05439
0.07523	-0.04806	0.30006	0.068866	0.13728
0.00609	0.075259	0.10431	-0.07123	0.12427
0.16328	-0.04728	0.30797	-0.19949	1.40E-05
0.52282	-0.12989	0.00493	0.093218	0.04407
0.81632	-0.03593	0.43861	-0.04639	0.31712
0.21932	-0.11295	0.0146	0.084894	0.06681
0.06871	-0.12445	0.00709	-0.07745	0.09459
0.74465	-0.0252	0.58696	0.016391	0.72387
0.02647	-0.05523	0.23358	0.086549	0.06165
0.21211	-0.02412	0.60317	0.031337	0.49933
0.15579	-0.08117	0.07971	0.075189	0.10463
0.41775	0.051483	0.26687	-0.0375	0.41882
3.17E-05	0.109467	0.01796	0.266935	4.64E-09
0.00125	0.067363	0.14609	0.280038	7.32E-10
0.26373	-0.08634	0.06228	0.169399	0.00024
0.39298	-0.07452	0.10778	0.122377	0.00811
0.04729	-0.05653	0.22273	-0.06464	0.16311
0.58705	0.00206	0.96459	-0.03158	0.49601
0.09724	-0.09711	0.03591	0.230568	4.72E-07
0.01047	0.075846	0.10163	0.319619	1.50E-12
0.00058	0.140331	0.00237	0.205443	7.62E-06
0.69411	-0.0194	0.67578	0.147756	0.00136
0.78984	-0.00375	0.9356	0.066781	0.14961
0.07863	-0.03958	0.39346	-0.07056	0.12787
0.28706	-0.05479	0.23731	0.027383	0.555
0.00496	-0.08425	0.0689	0.09855	0.03324
0.5423	0.02474	0.59384	-0.06417	0.16624
0.03376	-0.08275	0.07402	0.035439	0.44486
0.2901	-0.01837	0.69216	0.083833	0.0703
0.17628	-0.06983	0.13184	0.361091	7.90E-16
0.05237	-0.07111	0.12491	0.229999	5.05E-07
0.10243	-0.01046	0.82164	0.116802	0.01154
0.6723	-0.05464	0.23859	0.044585	0.33635
0.45527	-0.12976	0.00498	0.204407	8.49E-06
0.04714	0.072735	0.11649	0.129299	0.00514
0.15375	-0.06293	0.1746	-0.05942	0.19995
0.61651	-0.08151	0.07846	0.222985	1.13E-06
0.07623	-0.03455	0.45635	-0.10433	0.02415
0.97503	-0.0497	0.28383	0.168555	0.00025
0.02905	-0.01775	0.70199	0.007476	0.872
0.0982	-0.10946	0.01797	0.402563	1.28E-19
0.45379	-0.09667	0.03677	0.078482	0.09025
0.07864	0.020514	0.65837	0.310557	6.71E-12
0.00074	-0.0784	0.09059	-0.31843	1.83E-12

0.57841	0.045297	0.32869	0.035074	0.44956
0.7252	-0.18504	5.75E-05	0.275161	1.47E-09
0.877	0.064883	0.16156	-0.16857	0.00025
0.88394	-0.11971	0.00961	-0.05846	0.20733
0.01616	-0.11169	0.01575	0.419853	2.29E-21
0.08222	-0.05682	0.22034	0.376181	3.80E-17
0.63194	-0.03514	0.44872	0.180633	8.66E-05
0.00061	-0.05394	0.24464	-0.1212	0.00875
0.33333	-0.00618	0.89408	0.145168	0.00166
0.00317	-0.02605	0.5745	0.199335	1.43E-05
0.96472	-0.1022	0.02721	0.001956	0.96637
0.00052	0.031885	0.49185	0.106977	0.02076
0.07162	0.022802	0.62307	0.079759	0.08512
0.00281	-0.00112	0.98074	-0.01361	0.76927
0.0499	-0.17845	0.00011	0.24694	6.44E-08
0.90647	-0.03541	0.44523	0.14365	0.00186
0.91506	-0.0668	0.14948	0.228014	6.36E-07
0.02547	0.030712	0.50793	0.19906	1.47E-05
0.191	-0.02833	0.54143	0.123627	0.00748
0.06366	-0.02913	0.5301	0.359313	1.12E-15
0.00462	0.19017	3.53E-05	0.019074	0.68098
0.15987	0.061219	0.18662	0.020697	0.65552
0.91828	-0.11381	0.01386	0.284472	3.83E-10
0.89667	-0.00942	0.83914	0.047178	0.30898
0.9346	0.025947	0.57595	-0.00311	0.94661
0.03907	-0.12444	0.00709	0.445591	3.69E-24
0.05205	-0.07061	0.12758	0.280998	6.37E-10
1.53E-06	0.041709	0.36849	0.533856	9.21E-36
0.71026	-0.13077	0.00465	0.466022	1.49E-26
0.44115	-0.18494	5.80E-05	0.417516	4.00E-21
0.28236	-0.06231	0.17885	0.120896	0.00892
0.16642	-0.12156	0.00855	0.351494	5.01E-15
0.36428	0.120052	0.00941	-0.16381	0.00038
0.00105	-0.07326	0.11385	-0.10913	0.01832
0.64988	0.099781	0.03109	-0.1942	2.38E-05
0.42435	0.071781	0.12137	-0.10946	0.01798
0.00084	0.002261	0.96113	0.240373	1.46E-07
0.00912	-0.13688	0.00304	-0.15104	0.00106
0.88637	0.116056	0.01208	-0.3049	1.67E-11
0.00136	0.00202	0.96528	0.516823	2.98E-33
0.00779	0.020419	0.65984	0.247316	6.14E-08
0.89225	-0.00041	0.99291	0.085573	0.06465
9.48E-06	-0.06652	0.15119	0.448608	1.67E-24
0.75818	-0.11304	0.01452	0.208459	5.55E-06
0.30086	0.152844	0.00092	0.26204	9.01E-09

0.00579	0.127184	0.00592	0.10855	0.01895
0.00647	-0.11793	0.01075	-0.10295	0.02611
0.10632	-0.11643	0.0118	-0.00574	0.90152
0.02527	-0.14742	0.0014	-0.07036	0.12891
0.46953	-0.0575	0.21491	0.184974	5.79E-05
0.39108	-0.03957	0.39357	0.125213	0.00674
0.92975	-0.03986	0.3901	0.058455	0.20734
0.08659	-0.01668	0.71918	-0.00434	0.92546
0.08329	0.02681	0.56332	-0.36431	4.19E-16
0.626	0.04534	0.32823	0.030942	0.50476
0.86078	0.041921	0.36605	0.028189	0.54342
0.48568	-0.07398	0.11035	0.079901	0.08456
0.40432	0.01142	0.80558	-0.0855	0.06487
0.00153	0.062559	0.17714	0.397316	4.13E-19
0.02329	-0.07357	0.11232	0.307012	1.19E-11
0.09112	-0.09479	0.0406	0.047605	0.30462
0.55143	0.050223	0.27877	-0.00585	0.89971
0.14564	-0.02459	0.59604	0.081135	0.07985
0.11685	-0.02422	0.60165	-0.16308	0.0004
0.00041	-0.0374	0.42011	0.06173	0.18296
0.00715	-0.0369	0.42635	0.444565	4.81E-24
0.22244	-0.04358	0.34741	0.152398	0.00095
0.04932	-0.11532	0.01264	-0.11176	0.01568
0.0012	-0.23261	3.71E-07	0.038067	0.41181
0.38757	-0.08976	0.05257	0.263362	7.54E-09
0.04494	0.081233	0.07949	0.119699	0.00962
0.00389	-0.11052	0.01688	-0.03946	0.39484
0.00644	0.08852	0.05593	0.106507	0.02133
0.14792	0.010766	0.81651	-0.02434	0.59982
0.20495	-0.05586	0.22828	-0.14026	0.00238
0.01525	-0.14783	0.00136	0.038076	0.41169
0.04758	-0.09175	0.04753	-0.13588	0.00326
0.84731	-0.05362	0.24751	0.133328	0.0039
0.93033	0.104321	0.02416	-0.02438	0.59928
0.0267	-0.25009	4.32E-08	0.151406	0.00103
0.19742	0.071197	0.12444	0.112357	0.01513
0.00228	0.059999	0.19557	0.221775	1.30E-06
0.02345	0.005524	0.90523	0.058091	0.21019
0.35275	-0.13062	0.0047	0.235872	2.52E-07
1.55E-26	0.411846	1.52E-20	0.332528	1.61E-13
0.29102	0.129076	0.00521	-0.02874	0.53562
5.55E-26	0.409469	2.63E-20	0.143342	0.0019
0.01753	-0.1485	0.00129	0.058097	0.21014
8.25E-08	0.139915	0.00244	0.366502	2.71E-16
0.97533	-0.02488	0.59177	0.243536	9.87E-08

0.00143	0.068818	0.13756	-0.16849	0.00025
0.55167	-0.04725	0.30825	0.162837	0.00041
0.07482	0.016373	0.72416	0.077509	0.09433
0.02375	-0.00898	0.84658	-0.07554	0.10302
0.57445	-0.04103	0.37634	0.001544	0.97345
0.0004	0.029308	0.52752	-0.10859	0.01891
0.03896	-0.10582	0.02219	0.024278	0.60075
0.38659	0.040652	0.38075	-0.0058	0.90048
0.8697	0.098692	0.03299	-0.08262	0.07447
0.72144	0.129409	0.0051	-0.16544	0.00033
6.66E-05	-0.02259	0.62631	0.327894	3.63E-13
0.03568	0.027916	0.54733	0.199746	1.37E-05
0.34177	-0.09218	0.04649	0.11919	0.00994
0.00912	0.050372	0.27734	0.050628	0.2749
1.86E-08	-0.13602	0.00323	-0.06913	0.13577
0.76475	-0.08364	0.07094	0.177521	0.00011
0.44422	-0.02806	0.54525	0.056969	0.21914
0.88876	-0.02288	0.62186	0.236944	2.21E-07
0.34022	-0.09474	0.04071	0.167553	0.00028
0.49254	0.007344	0.87424	0.001384	0.97621
0.008	-0.02114	0.64857	-0.04711	0.3097
7.47E-06	-0.14721	0.00142	0.157401	0.00064
0.11025	-0.01589	0.732	0.211548	3.99E-06
0.27014	-0.05823	0.20909	0.029133	0.52999
0.91076	-0.15628	0.0007	-0.08331	0.07206
0.02766	-0.05301	0.25292	0.003219	0.9447
0.85584	-0.01847	0.69062	0.219924	1.60E-06
0.00015	-0.07538	0.10376	0.012937	0.78037
0.03837	-0.11076	0.01664	0.037568	0.41797
0.37584	-0.14024	0.00239	0.456911	1.82E-25
0.15963	-0.0521	0.26116	-0.00194	0.96668
0.00757	0.122487	0.00805	0.186736	4.90E-05
0.29146	-0.13951	0.00251	0.358966	1.20E-15
0.05112	0.11926	0.00989	0.292269	1.19E-10
0.3675	-0.09899	0.03247	0.496153	2.17E-30
0.00025	0.07737	0.09492	0.235579	2.61E-07
9.20E-05	-0.04046	0.38303	-0.00564	0.90326
0.00589	-0.00657	0.88737	0.260908	1.05E-08
0.70486	-0.18655	4.99E-05	0.327522	3.87E-13
0.97465	-0.07755	0.09415	0.012372	0.78973
0.95543	-0.13066	0.00468	0.194107	2.40E-05
0.69088	-0.12725	0.00589	0.19218	2.90E-05
0.97556	-0.1807	8.60E-05	0.225488	8.51E-07
0.0361	0.015559	0.73736	-0.16818	0.00026
0.08581	0.126378	0.00624	0.124769	0.00694

0.24768	-0.15642	0.00069	0.285302	3.39E-10
0.36741	-0.06594	0.15482	0.367527	2.21E-16
0.00713	0.027424	0.55441	-0.04297	0.35412
0.8911	-0.06052	0.19169	0.089236	0.05397
0.03644	0.004863	0.91652	-0.18516	5.68E-05
0.00151	0.002486	0.95726	0.409998	2.33E-20
0.9047	-0.12205	0.00828	0.278032	9.77E-10
0.18908	-0.01431	0.75782	0.248545	5.26E-08
0.60577	-0.13175	0.00435	-0.05189	0.26306
0.0572	-0.0729	0.11568	0.055775	0.22897
0.00744	-0.06539	0.1583	-0.01173	0.80037
0.25261	0.011002	0.81256	-0.35202	4.54E-15
0.30214	-0.05427	0.24183	0.221345	1.36E-06
0.00069	0.160887	0.00048	-0.03592	0.43875
0.46697	-0.04109	0.37563	0.351771	4.76E-15
0.381	-0.0927	0.04526	0.092348	0.04609
0.48826	-0.05035	0.2775	0.098492	0.03335
0.00337	-0.01262	0.78558	-0.06103	0.18795
4.73E-06	0.168305	0.00026	0.15951	0.00054
0.02671	-0.06944	0.13405	0.260343	1.13E-08
0.00353	-0.12502	0.00683	0.193818	2.47E-05
0.02823	-0.09256	0.0456	0.193126	2.65E-05
0.00276	0.137265	0.00295	-0.05328	0.25051
0.50773	-3.45E-05	0.99941	0.024517	0.59717
0.76254	-0.17118	0.0002	0.407152	4.49E-20
0.52261	-0.06501	0.16077	0.385671	5.20E-18
0.10203	-0.12522	0.00674	0.297199	5.60E-11
0.00101	0.049175	0.28893	0.401867	1.49E-19
0.00505	-0.16284	0.00041	0.381727	1.20E-17
0.62295	0.096887	0.03634	0.154273	0.00082
0.54462	-0.06556	0.15725	0.209862	4.78E-06
0.15012	-0.05122	0.26936	-0.11827	0.01053
0.97571	-0.16544	0.00033	0.458732	1.11E-25
0.04382	-0.04639	0.31719	0.104568	0.02383
9.95E-08	0.123185	0.0077	0.564972	9.82E-41
0.94337	-0.08134	0.07911	0.240964	1.36E-07
0.96715	-0.06276	0.17573	0.038119	0.41116
0.21263	-0.02024	0.66271	0.204618	8.30E-06
0.05626	0.000967	0.98337	0.146224	0.00153
0.01018	-0.10554	0.02254	0.170443	0.00022
0.0805	-0.02813	0.54426	-0.08543	0.06509
9.75E-05	0.063034	0.17387	0.361887	6.76E-16
5.25E-10	0.103785	0.02491	0.321542	1.08E-12
0.46747	-0.13272	0.00406	0.112765	0.01476
0.03143	-0.0882	0.05682	-0.057	0.21886



0.00853	-0.07394	0.11056	-0.23772	2.01E-07
0.81226	-0.04914	0.2893	0.037043	0.4245
0.00173	-0.03655	0.43074	-0.04157	0.37014
0.98414	-0.03287	0.47851	-0.00429	0.92639
0.80842	0.010354	0.82342	0.235262	2.71E-07
0.70775	-0.10545	0.02267	-0.00644	0.88955
0.00088	-0.02212	0.63358	-0.47512	1.13E-27
0.17914	-0.04188	0.36648	0.013517	0.77079
0.69629	-0.07462	0.10731	0.212727	3.52E-06
0.11615	-0.11457	0.01323	0.335196	1.00E-13
5.32E-15	0.184752	5.91E-05	0.366212	2.87E-16
0.6143	-0.13176	0.00434	0.295153	7.68E-11
0.29534	-0.15557	0.00074	0.41455	8.06E-21
0.72133	0.053494	0.2486	-0.12539	0.00666
0.66101	-0.05197	0.26237	0.325541	5.45E-13
7.34E-07	0.060554	0.19146	0.358859	1.22E-15
0.11567	0.006908	0.88164	0.032506	0.48345
0.00098	-0.0552	0.23379	0.663488	1.44E-60
0.29761	0.180029	9.15E-05	0.191875	2.99E-05
0.28311	0.076355	0.09935	-0.34385	2.09E-14
0.00313	-0.08999	0.05197	-0.02312	0.61816
0.00522	-0.07105	0.12521	0.088165	0.05693
0.38739	-0.04297	0.3542	0.129687	0.005
0.00472	-0.10275	0.02639	0.040541	0.38206
0.6206	0.135478	0.00335	-0.13537	0.00338
0.03867	-0.11139	0.01603	-0.0172	0.71088
0.00128	-0.08331	0.07208	-0.00294	0.94946
0.258	-0.21916	1.74E-06	0.159857	0.00053
0.84701	-0.04256	0.35882	0.088124	0.05704
0.24795	0.166092	0.00031	-0.12425	0.00718
0.26671	-0.20565	7.46E-06	0.174734	0.00015
0.02633	0.028195	0.54332	0.00046	0.99209
0.00181	-0.11541	0.01257	0.003609	0.93801
0.54244	-0.00628	0.89226	0.155629	0.00074
0.76175	-0.05334	0.25001	0.174622	0.00015
0.16266	-0.09079	0.04992	0.103073	0.02592
0.43369	-0.03299	0.47698	0.329962	2.53E-13
0.00302	-0.05479	0.23729	0.261663	9.48E-09
0.90301	0.067714	0.144	0.305443	1.53E-11
0.44157	-0.03231	0.48611	-0.18783	4.42E-05
0.03005	-0.06369	0.16946	-0.16544	0.00033
0.08877	0.011306	0.80748	-0.17655	0.00013
0.00054	-0.01812	0.69618	0.384402	6.81E-18
0.04906	-0.11641	0.01182	0.324954	6.03E-13
0.42171	-0.07632	0.09951	0.09971	0.03121

0.05537	-0.00554	0.90503	-0.02842	0.54017
0.89639	-0.01773	0.70239	0.186048	5.23E-05
0.36994	-0.11059	0.01681	0.34563	1.50E-14
0.02112	-0.06592	0.15498	-0.35513	2.51E-15
0.1722	-0.00798	0.86352	0.511113	1.92E-32
0.94469	-0.10806	0.01951	0.059839	0.19677
7.21E-06	0.084067	0.06952	0.442875	7.46E-24
0.50911	-0.08125	0.07943	0.091146	0.04901
0.12714	0.035582	0.44302	-0.35561	2.29E-15
0.05573	-0.08173	0.07766	0.028482	0.53923
0.04514	0.046506	0.31593	-0.18369	6.53E-05
0.25393	-0.03456	0.45627	-0.17393	0.00016
0.01163	0.073023	0.11505	0.15759	0.00063
0.06619	-0.06718	0.14717	0.26402	6.90E-09
0.00232	-0.03	0.51787	-0.2229	1.14E-06
0.33461	-0.0224	0.62923	0.263565	7.34E-09
0.02208	-0.104	0.0246	-0.08753	0.05874
0.42604	-0.11485	0.01301	0.038982	0.40065
0.13019	-0.10536	0.02279	0.113252	0.01434
0.55677	-0.08	0.08419	0.077135	0.09593
0.97206	-0.11179	0.01565	0.171814	0.00019
0.06843	-0.13469	0.00354	0.023953	0.60564
0.57676	-0.06254	0.17726	0.225649	8.35E-07
0.71027	-0.08383	0.07032	0.169103	0.00024
0.05147	0.021483	0.64332	0.185859	5.32E-05
0.1497	-0.10304	0.02597	0.171583	0.00019
0.28646	-0.0694	0.13424	0.168762	0.00025
0.7382	-0.03432	0.45931	0.03283	0.4791
0.8333	-0.08403	0.06963	0.158475	0.00059
0.83192	-0.09021	0.0514	0.17712	0.00012
0.66294	-0.08509	0.06616	0.12019	0.00933
0.91632	-0.06096	0.18847	0.144951	0.00169
0.98831	-0.06873	0.13806	0.144942	0.00169
0.47372	-0.07073	0.12691	0.02889	0.53343
0.79528	-0.02892	0.53298	0.068014	0.14222
0.64187	-0.01534	0.74093	0.011752	0.80005
0.18238	0.054073	0.24351	0.092208	0.04642
0.16288	-0.18522	5.65E-05	0.032805	0.47943
0.95114	-0.05497	0.23574	0.066722	0.14998
0.02434	0.083866	0.07019	0.2526	3.13E-08
0.09857	-0.10375	0.02495	0.128686	0.00535
0.05733	-0.02192	0.63652	0.067455	0.14554
0.12638	-0.14897	0.00124	-0.02292	0.62124
0.11816	-0.00495	0.91504	0.138924	0.00262
0.06301	-0.08674	0.06107	0.02232	0.63044

0.18746	-0.1028	0.02632	-0.03018	0.51536
0.0782	-0.08784	0.05784	-0.05664	0.22179
0.09458	-0.0595	0.19935	0.146923	0.00145
0.00023	0.113309	0.01429	-0.18133	8.12E-05
0.94481	-0.08361	0.07104	-0.01783	0.70077
0.00065	0.003867	0.93357	-0.01503	0.74595
0.06341	-0.05723	0.217	0.046269	0.31841
0.28923	0.009402	0.83942	0.343244	2.33E-14
0.18582	-0.04077	0.37934	0.333721	1.30E-13
0.05563	-0.07723	0.09551	0.32897	3.01E-13
0.00067	-0.09051	0.05062	-0.10422	0.0243
0.16237	-0.08121	0.07957	0.157067	0.00066
0.03634	-0.01406	0.76189	0.002566	0.9559
0.27215	-0.22408	9.99E-07	0.273013	1.99E-09
0.10926	-0.10654	0.02129	0.137348	0.00294
0.45786	-0.03969	0.39219	0.191477	3.11E-05
0.52614	-0.08054	0.08211	0.114448	0.01333
0.50323	0.002838	0.95123	0.116863	0.01149
0.0223	-0.03219	0.48774	0.275954	1.31E-09
0.55042	-0.13978	0.00247	-0.03917	0.39839
0.019	-0.09312	0.04428	-0.15617	0.00071
0.15693	0.079366	0.08667	-0.18078	8.55E-05
0.03034	-0.07236	0.11838	0.090879	0.04968
0.03313	0.083107	0.07277	0.276159	1.28E-09
0.00206	-0.06652	0.15123	0.171932	0.00019
0.51377	0.119513	0.00974	-0.18179	7.79E-05
0.16718	-0.14149	0.00218	0.034536	0.45654
0.02497	-0.00634	0.8913	0.151808	0.001
0.80509	-0.11304	0.01452	0.105791	0.02223
0.1948	-0.04807	0.29991	0.086141	0.06289
0.10394	-0.05036	0.27746	0.267185	4.48E-09
0.47416	-0.05667	0.22159	0.152319	0.00096
0.2701	-0.11132	0.0161	0.112125	0.01534
0.17365	0.144222	0.00178	0.028886	0.53349
0.32197	0.112922	0.01462	0.227665	6.62E-07
0.13532	0.103128	0.02584	-0.07193	0.12061
0.44425	0.013221	0.77568	0.068219	0.14103
0.00287	-0.26545	5.68E-09	-0.10224	0.02715
7.75E-06	-0.13508	0.00345	0.189505	3.76E-05
0.94665	-0.1142	0.01353	-0.01012	0.82728
0.01254	0.005256	0.90982	0.01552	0.73799
0.01097	0.165829	0.00032	-0.08255	0.07471
0.56862	-0.09973	0.03117	0.311929	5.37E-12
0.07564	-0.11112	0.01629	-0.12298	0.0078
0.00203	-0.08055	0.08206	0.161747	0.00045

0.06464	-0.02286	0.62213	0.096017	0.03806
0.77357	-0.07742	0.0947	0.148488	0.00129
1.20E-06	0.065771	0.15588	0.304385	1.81E-11
0.84062	-0.14711	0.00143	0.13741	0.00292
0.61769	0.047867	0.30196	0.091505	0.04812
0.00047	-0.06838	0.1401	0.096306	0.03748
0.08769	-0.06042	0.19242	-0.02457	0.59639
0.04809	-0.03647	0.43171	-0.14959	0.00119
0.46755	-0.08577	0.06402	0.112128	0.01534
0.22886	-0.0349	0.45174	0.174112	0.00016
0.00249	-0.07912	0.08766	0.0211	0.64924
0.08284	0.01995	0.66718	0.071858	0.12097
0.01537	-0.06873	0.13809	0.00173	0.97026
2.71E-07	0.243752	9.60E-08	0.168766	0.00025
0.00066	0.046615	0.31479	0.537496	2.56E-36
0.00414	-0.10753	0.02011	0.198115	1.61E-05
0.34175	0.012805	0.78256	0.129224	0.00516
0.00013	0.127666	0.00573	0.100234	0.03033
0.3045	0.00806	0.86209	0.255372	2.18E-08
0.35149	0.009977	0.82974	0.132479	0.00413
0.03761	0.154266	0.00082	0.005891	0.89896
0.88201	-0.13121	0.00451	0.031325	0.49949
0.21888	-0.05957	0.19879	0.178841	0.0001
0.12993	-0.05249	0.2576	0.216679	2.29E-06
0.4923	-0.115	0.01289	0.070129	0.1302
0.00214	-0.06757	0.14485	0.174752	0.00015
3.90E-05	0.05294	0.25355	0.040147	0.38671
0.13505	-0.07247	0.11783	-0.02669	0.56502
0.72815	0.025842	0.5775	0.270806	2.71E-09
0.03822	-0.04827	0.29787	0.15519	0.00077
7.50E-06	0.203079	9.73E-06	0.116335	0.01187
0.47917	-0.11495	0.01293	0.16314	0.0004
0.44406	0.024498	0.59745	-0.0038	0.93477
0.18607	-0.20249	1.03E-05	0.545585	1.42E-37
0.55567	-0.11924	0.0099	0.212943	3.44E-06
0.20638	0.000336	0.99422	0.027656	0.55106
0.15401	-0.03864	0.40483	0.063039	0.17383
0.09263	-0.19832	1.58E-05	0.172925	0.00017
0.0071	-0.16175	0.00045	0.086351	0.06224
2.96E-05	0.003652	0.93727	0.458993	1.03E-25
0.00016	-0.00904	0.84551	0.293006	1.07E-10
0.00692	-0.10166	0.02805	0.000435	0.99252
0.01131	0.138086	0.00279	-0.04033	0.38449
0.78603	0.098637	0.03309	0.218101	1.96E-06
0.46042	0.025837	0.57757	-0.11178	0.01567

0.686	-0.14514	0.00166	0.261841	9.26E-09
0.03996	-0.1176	0.01098	0.048496	0.29564
0.07749	-0.01019	0.82622	-0.02464	0.59538
0.43886	-0.06776	0.14373	-0.19927	1.44E-05
0.0736	-0.10802	0.01955	0.102614	0.02659
0.00011	0.017003	0.71401	0.360377	9.08E-16
0.33503	0.077615	0.09387	0.221924	1.28E-06
0.13287	0.165278	0.00033	0.092076	0.04674
0.02109	-0.00424	0.92721	0.20197	1.09E-05
0.7511	0.064101	0.16668	-0.23324	3.44E-07
0.83885	-0.08137	0.07898	0.250126	4.30E-08
0.91209	0.061205	0.18672	-0.1582	0.0006
0.00031	-0.06612	0.15371	-0.07505	0.10527
0.01763	0.028912	0.53312	0.058339	0.20824
0.22588	-0.09066	0.05022	0.433678	7.75E-23
0.0608	-0.06503	0.16063	0.198119	1.61E-05
0.12441	-0.03163	0.49537	0.166541	0.0003
0.01273	-0.10316	0.0258	-0.21109	4.20E-06
0.55418	-0.04299	0.35389	-0.00495	0.91504
0.81771	-0.17466	0.00015	0.280322	7.02E-10
0.24713	0.004266	0.92674	0.103747	0.02496
0.12667	-0.131	0.00458	0.359294	1.12E-15
0.07041	-0.04511	0.33071	0.3012	3.00E-11
9.77E-06	-0.11837	0.01046	-0.14932	0.00121
5.40E-05	-0.05457	0.23918	0.021291	0.64629
0.66038	-0.0691	0.13597	0.075308	0.10408
0.87059	0.060415	0.19248	-0.00838	0.85671
0.47717	-0.00241	0.95863	0.109292	0.01815
0.4765	0.135484	0.00335	0.092056	0.04678
0.56337	0.123067	0.00776	-0.1604	0.0005
0.1136	-0.0747	0.10691	0.017644	0.70373
0.89293	-0.0587	0.2054	0.131999	0.00427
0.11683	-0.06131	0.18594	0.004277	0.92655
0.09728	-0.06493	0.16123	0.173671	0.00016
0.0004	-0.04059	0.38144	0.166905	0.00029
0.33792	-0.00379	0.93485	0.05568	0.22976
0.96497	-0.17524	0.00014	0.139106	0.00259
0.00192	0.394488	7.71E-19	-0.10214	0.02731
0.02281	-0.24798	5.65E-08	0.125947	0.00642
0.73962	0.060172	0.19428	0.054837	0.23691
0.00171	0.109804	0.01761	0.120712	0.00902
0.81604	0.098351	0.0336	-0.14633	0.00152
0.08017	-0.02678	0.56379	0.116127	0.01203
0.47377	-0.15617	0.00071	0.292645	1.13E-10
0.02992	-0.09721	0.03572	-0.22139	1.35E-06

0.52227	-0.07582	0.10176	0.31459	3.46E-12
7.84E-07	0.020234	0.66274	0.280182	7.16E-10
0.25309	0.003947	0.9322	0.244264	9.01E-08
0.33817	0.193648	2.51E-05	-0.12406	0.00727
0.01012	0.302817	2.33E-11	-0.24633	6.96E-08
0.05462	-0.13987	0.00245	0.003243	0.94428
4.72E-06	0.170595	0.00021	0.081005	0.08034
0.25604	-0.08472	0.06737	0.02672	0.56462
0.29673	0.190185	3.52E-05	0.239708	1.58E-07
0.86326	-0.1796	9.52E-05	0.223211	1.10E-06
0.10969	-0.11213	0.01534	0.097698	0.0348
0.12918	-0.10155	0.02822	0.287016	2.63E-10
0.96615	-0.04452	0.33703	0.400434	2.06E-19
0.09721	0.124628	0.00701	0.010038	0.82871
0.23854	-0.14702	0.00144	0.008631	0.85242
0.5028	0.125841	0.00647	0.161424	0.00046
0.50822	0.091835	0.04732	0.157139	0.00065
0.64665	-0.06359	0.17007	0.180575	8.71E-05
0.93325	0.0022	0.96218	0.054044	0.24377
0.01167	-0.01346	0.77171	0.065624	0.15681
0.03774	-0.09708	0.03596	-0.08051	0.0822
0.02747	0.180823	8.51E-05	0.06184	0.18218
0.0146	0.002244	0.96142	0.083232	0.07234
0.85155	0.055105	0.23462	-0.05414	0.24296
0.43513	-0.15081	0.00108	0.191417	3.13E-05
0.50843	-0.19828	1.59E-05	0.094873	0.04043
0.64772	-0.04088	0.37805	0.197028	1.80E-05
0.0488	-0.09488	0.04041	-0.01656	0.72116
0.00076	-0.08682	0.06083	-0.14282	0.00198
0.065	0.124841	0.00691	-0.29558	7.19E-11
0.95064	-0.10111	0.0289	0.145097	0.00167
0.19791	-0.09396	0.04241	0.184559	6.02E-05
0.00977	-0.09014	0.05157	0.021068	0.64974
0.83004	-0.0669	0.14889	0.152499	0.00095
0.054	-0.04833	0.29733	0.359953	9.87E-16
0.80575	-0.12435	0.00714	0.260477	1.11E-08
0.01658	-0.12893	0.00526	0.082577	0.07462
0.35158	0.057174	0.21749	0.200469	1.27E-05
0.00438	0.143698	0.00185	-0.07734	0.09507
0.96684	-0.04539	0.32765	0.145425	0.00163
0.02165	-0.07146	0.12304	0.070682	0.12719
0.28781	-0.11275	0.01478	0.102309	0.02705
0.29014	-0.09788	0.03447	0.36588	3.07E-16
0.24026	-0.00288	0.95053	-0.21392	3.09E-06
0.13264	-0.00044	0.9924	0.290656	1.52E-10

0.00133	-0.02996	0.51844	0.305902	1.42E-11
0.52774	0.024493	0.59753	0.017471	0.70649
0.03675	-0.02572	0.57928	0.163942	0.00037
0.02734	0.018156	0.69555	0.511385	1.76E-32
0.01191	-0.01207	0.79474	-0.13739	0.00293
0.54824	-0.07629	0.09961	0.120814	0.00896
0.14138	0.192276	2.88E-05	-0.22478	9.22E-07
1.68E-06	0.135384	0.00337	0.008452	0.85545
0.17805	-0.05314	0.25174	0.385867	4.99E-18
0.18023	-0.07851	0.09015	0.241267	1.31E-07
0.28402	-0.10969	0.01773	0.442571	8.07E-24
0.89631	-0.059	0.20312	0.043972	0.34305
1.90E-06	-0.07793	0.09254	-0.19789	1.65E-05
0.4784	-0.07446	0.10806	0.389883	2.10E-18
0.02096	-0.12612	0.00635	0.300332	3.44E-11
0.84079	-0.02351	0.61238	0.072323	0.11858
0.29937	-0.07875	0.08914	0.161595	0.00046
0.06983	-0.05806	0.21047	0.227161	7.02E-07
0.91686	0.004802	0.91757	0.006421	0.88993
0.50589	-0.06746	0.14554	0.138644	0.00268
0.18953	-0.05398	0.24433	-0.04699	0.3109
0.15237	-0.09962	0.03137	0.070892	0.12606
1.14E-07	0.242035	1.19E-07	0.061624	0.18372
0.06433	-0.1416	0.00216	0.199716	1.37E-05
0.92368	0.199698	1.38E-05	-0.42088	1.79E-21
0.47223	0.026418	0.56904	-0.01092	0.81387
0.00614	-0.05766	0.21363	0.460662	6.56E-26
0.03388	-0.01724	0.71017	0.112899	0.01464
0.00823	0.013158	0.77671	0.279108	8.37E-10
0.27764	0.039036	0.39999	0.121409	0.00863
0.92271	0.022973	0.62047	-0.19897	1.48E-05
0.00889	-0.0802	0.08341	-0.14539	0.00163
0.01659	-0.10358	0.0252	0.067506	0.14524
0.67848	-0.05844	0.20744	0.286387	2.88E-10
0.28337	-0.06183	0.18228	0.130478	0.00474
0.27314	-0.08386	0.07022	0.110577	0.01682
0.49291	0.244196	9.09E-08	-0.27266	2.09E-09
0.54708	-0.02271	0.62441	0.045782	0.32353
0.60677	0.130383	0.00477	0.112137	0.01533
0.03869	-0.02051	0.6584	0.255768	2.07E-08
0.52064	-0.15215	0.00097	0.284854	3.62E-10
0.12363	-0.02212	0.63345	0.123323	0.00763
0.024	-0.07833	0.0909	-0.03479	0.45324
0.93166	-0.11308	0.01448	0.109707	0.01771
0.27216	0.107627	0.02	0.125521	0.00661

0.04471	-0.07668	0.0979	0.085429	0.0651
0.0466	-0.10154	0.02823	0.367561	2.19E-16
0.02	0.194265	2.37E-05	0.198236	1.59E-05
0.88422	-0.09786	0.03451	0.398047	3.51E-19
0.16695	-0.01198	0.79622	0.297597	5.27E-11
0.00369	-0.14738	0.0014	0.047627	0.30439
0.38652	-0.06255	0.17718	-0.0107	0.81763
0.7131	-0.10906	0.0184	0.098172	0.03393
0.69066	0.026802	0.56343	-0.19145	3.12E-05
0.65712	-0.06421	0.16599	0.150229	0.00113
0.81604	0.135411	0.00337	-0.23937	1.65E-07
0.08319	-0.08133	0.07911	0.025417	0.58377
0.57049	0.01881	0.68516	-0.06328	0.1722
0.53478	0.145885	0.00157	0.04767	0.30396
0.00184	0.139551	0.00251	0.06336	0.17165
0.02166	-0.16673	0.0003	0.024491	0.59756
0.16205	0.045768	0.32368	-0.16242	0.00043
0.1031	-0.02137	0.64514	-0.00664	0.8862
0.19484	-0.08247	0.07501	0.291164	1.41E-10
0.09378	0.051613	0.26566	-0.03072	0.50781
3.58E-19	0.528654	5.57E-35	0.205249	7.78E-06
0.07629	-0.13253	0.00412	-0.1358	0.00328
0.00324	-0.10058	0.02977	-0.10168	0.02802
0.46695	-0.20076	1.23E-05	0.23329	3.42E-07
0.09578	-0.10384	0.02483	-0.16863	0.00025
0.07219	0.172058	0.00019	-0.3934	9.80E-19
0.93564	-0.04136	0.37256	0.197458	1.72E-05
0.00022	0.014747	0.7506	-0.16592	0.00032
0.00845	-0.03707	0.42419	0.010197	0.82605
0.02768	-0.11553	0.01248	0.310071	7.27E-12
0.78836	-0.03975	0.39136	0.114419	0.01336
0.38399	-0.04015	0.38668	-0.11032	0.01709
0.08264	0.006651	0.88602	0.098617	0.03312
0.36685	-0.13069	0.00467	0.098871	0.03267
0.00077	0.046233	0.31878	0.09934	0.03185
0.09667	-0.07816	0.09158	0.229601	5.29E-07
0.25853	-0.02976	0.52124	-0.02081	0.65383
0.05279	-0.00321	0.9449	0.169805	0.00023
0.0974	0.023061	0.61912	0.172168	0.00019
0.23129	-0.10122	0.02873	0.007953	0.86391
0.0739	-0.00405	0.93036	0.062219	0.17951
0.20506	0.007916	0.86454	-0.11182	0.01562
0.65226	-0.10178	0.02786	0.226528	7.55E-07
9.90E-06	0.251322	3.69E-08	-0.01247	0.78803
0.60575	-0.03667	0.42924	0.045983	0.32142



0.03811	-0.10436	0.02411	0.133177	0.00394
0.16486	-0.02639	0.5694	0.56729	3.98E-41
0.43523	-0.02367	0.6099	0.106168	0.02175
0.88728	-0.04869	0.29372	0.326683	4.48E-13
0.01986	-0.04886	0.29199	0.085186	0.06587
0.00159	0.23995	1.53E-07	-0.06403	0.16713
0.24096	-0.01419	0.75975	0.411	1.85E-20
0.12298	-0.17433	0.00015	0.271603	2.43E-09
0.00159	-0.0043	0.92608	-0.10905	0.01841
0.93555	-0.07673	0.09768	0.359401	1.10E-15
6.49E-05	0.346748	1.22E-14	0.002625	0.95489
0.27243	-0.16975	0.00023	0.254715	2.38E-08
0.00121	0.006476	0.889	0.262399	8.59E-09
0.06254	0.053363	0.24977	-0.24752	5.99E-08
0.02309	0.090427	0.05083	-0.21034	4.55E-06
0.01352	-0.03419	0.4611	0.260485	1.11E-08
8.33E-05	0.18099	8.38E-05	-0.0667	0.15012
0.87072	0.089584	0.05304	-0.05648	0.22309
0.06774	-0.10065	0.02965	0.008565	0.85355
0.16868	-0.08191	0.077	0.142902	0.00196
0.28721	0.094224	0.04182	-0.34449	1.85E-14
3.84E-05	0.000649	0.98883	0.393831	8.90E-19
0.49805	-0.03322	0.47384	0.146159	0.00154
0.52135	-0.09324	0.04403	-0.08486	0.06691
0.84359	-0.08486	0.06691	0.227463	6.78E-07
0.19337	-0.04457	0.33648	0.122339	0.00813
2.02E-07	-0.18379	6.46E-05	-0.33562	9.29E-14
0.72015	-0.08117	0.07972	0.060048	0.19521
0.01009	-0.01585	0.7326	0.349187	7.74E-15
0.00588	-0.04637	0.31732	0.01088	0.81461
0.08705	0.13601	0.00323	-0.09753	0.03511
2.47E-05	-0.10222	0.02719	0.072772	0.1163
0.00767	-0.17896	0.0001	-0.03137	0.49893
0.00093	-0.02118	0.64797	0.465105	1.92E-26
0.25887	-0.07177	0.12141	0.257347	1.68E-08
0.12517	-0.03767	0.41664	-0.02057	0.65753
0.08828	-0.06526	0.15912	0.209244	5.11E-06
0.32451	0.012473	0.78805	0.241195	1.32E-07
0.33793	-0.06017	0.19428	0.160856	0.00048
0.66611	-0.04894	0.29122	0.198058	1.62E-05
0.00843	0.052862	0.25425	-0.14831	0.00131
0.17474	-0.18106	8.32E-05	0.260215	1.15E-08
0.40581	-0.05487	0.23659	0.04937	0.28702
0.56866	-0.01318	0.77632	0.010979	0.81295
0.04979	0.054656	0.23846	0.016944	0.71496

0.39379	-0.04894	0.29121	0.152358	0.00096
0.83662	0.028592	0.53766	0.161708	0.00045
0.17143	-0.05071	0.27409	-0.03567	0.44188
0.99019	0.158633	0.00058	-0.27155	2.45E-09
0.6469	0.016249	0.72616	-0.00301	0.94832
0.02252	-0.0225	0.62763	0.497582	1.39E-30
1.71E-08	0.215696	2.55E-06	-0.06642	0.15182
0.01313	0.199588	1.39E-05	0.062265	0.17919
0.14459	-0.00505	0.91333	0.172962	0.00017
0.73615	-0.04748	0.30586	0.505318	1.23E-31
0.03245	0.187405	4.60E-05	-0.45292	5.32E-25
0.42797	-0.03333	0.47249	0.243952	9.37E-08
0.51767	0.001821	0.96869	0.24373	9.63E-08
0.77081	0.052708	0.25564	-0.31005	7.30E-12
0.75086	-0.13568	0.00331	0.364646	3.92E-16
0.60258	-0.06447	0.16423	0.138079	0.00279
0.02465	-0.02046	0.65925	0.096079	0.03794
0.00186	0.079188	0.08738	0.202542	1.03E-05
0.00427	0.018727	0.68648	0.226518	7.56E-07
0.01158	0.012909	0.78084	0.240968	1.35E-07
0.92508	-0.08722	0.05965	0.335469	9.55E-14
0.07675	-0.06298	0.17421	0.28281	4.89E-10
0.69957	0.048111	0.2995	0.136253	0.00317
0.00143	0.132794	0.00404	0.007461	0.87224
0.03698	-0.20476	8.18E-06	0.165086	0.00034
0.0968	-0.18766	4.49E-05	0.210165	4.63E-06
0.71865	0.074365	0.1085	0.240962	1.36E-07
0.34867	-0.0089	0.84796	0.180125	9.07E-05
0.07282	-0.0777	0.09352	0.112131	0.01534
0.10506	-0.06616	0.15346	-0.16259	0.00042
0.36299	0.049691	0.2839	-0.14654	0.0015
0.14196	-0.11006	0.01735	0.115322	0.01264
0.64566	0.025634	0.58056	-0.01034	0.82362
0.20689	0.064585	0.16349	-0.15585	0.00073
0.65389	0.008729	0.85077	-0.04082	0.37881
0.69034	0.033257	0.4734	0.297465	5.38E-11
0.06933	-0.12569	0.00654	0.416116	5.57E-21
0.49494	-0.04725	0.3082	0.130569	0.00471
0.06565	0.101421	0.02842	0.396358	5.11E-19
0.30372	-0.06822	0.14104	0.063018	0.17398
0.28359	-0.08198	0.07674	0.394453	7.77E-19
0.59861	0.132821	0.00404	-0.03934	0.39633
0.10001	-0.08404	0.0696	0.26106	1.03E-08
0.00707	-0.04602	0.32101	-0.12098	0.00887
0.32234	-0.12553	0.0066	0.106414	0.02145

0.57076	0.033959	0.4641	-0.22088	1.44E-06
0.98613	-0.07688	0.09704	0.15763	0.00063
0.8531	-0.03786	0.41436	0.093039	0.04448
0.46782	-0.00584	0.89978	0.076821	0.09729
0.97807	-0.05143	0.26738	0.116235	0.01195
0.02768	0.132288	0.00419	0.222307	1.22E-06
0.14346	-0.02189	0.63704	-0.06663	0.15056
0.06087	-0.06582	0.15557	0.063486	0.17079
0.04141	-0.10444	0.024	0.070689	0.12715
0.91719	0.002479	0.95739	0.124704	0.00697
0.89394	-0.10445	0.02398	0.310007	7.34E-12
0.05244	-0.06525	0.15921	-0.10606	0.02189
0.2922	-0.08182	0.07733	-0.01598	0.73055
0.73154	0.011277	0.80796	-0.09158	0.04794
0.15339	-0.03215	0.4883	0.081511	0.07846
0.00739	-0.03729	0.42143	0.008769	0.8501
0.30446	-0.02354	0.61181	0.082811	0.0738
0.65407	0.160062	0.00052	-0.31074	6.51E-12
0.11528	0.057973	0.21111	0.333968	1.25E-13
0.76186	0.044433	0.33801	-0.16447	0.00036
0.28569	0.010345	0.82356	0.064302	0.16535
0.7283	-0.07977	0.08507	-0.02454	0.59683
0.57319	-0.16041	0.0005	0.147137	0.00143
0.00795	-0.10661	0.02121	0.23218	3.91E-07
0.0016	-0.11861	0.01031	0.016444	0.72301
0.02164	0.195995	1.99E-05	-0.18122	8.20E-05
0.97335	-0.09263	0.04543	-0.00084	0.9856
0.89759	-0.1277	0.00572	0.284614	3.75E-10
0.81747	-0.01907	0.68108	0.057256	0.21683
0.1908	-0.12892	0.00527	0.08824	0.05672
0.0006	-0.03889	0.4018	0.579966	2.52E-43
0.17051	-0.0514	0.26768	0.073047	0.11493
0.11464	-0.06155	0.18427	0.045402	0.32757
0.00563	-0.08812	0.05706	-0.02727	0.55668
0.04534	-0.05232	0.25919	0.085963	0.06343
0.44264	-0.08806	0.05724	-0.05562	0.23024
0.02734	0.006403	0.89024	0.141547	0.00217
0.94037	-0.05745	0.21524	0.234824	2.85E-07
0.02803	-0.0614	0.18531	0.33097	2.12E-13
0.05547	-0.0453	0.32866	0.151127	0.00105
0.31352	-0.10778	0.01982	0.183431	6.68E-05
0.22569	0.020677	0.65582	-0.12968	0.00501
0.19516	-0.07991	0.08453	-0.01128	0.80797
0.00119	-0.02909	0.53061	0.062206	0.1796
0.1244	-0.05792	0.2115	-0.03725	0.42198

0.06918	-0.01631	0.72525	0.173941	0.00016
0.00467	0.312315	5.04E-12	0.004441	0.92375
0.12016	-0.09952	0.03154	0.127862	0.00566
0.02256	0.056393	0.22384	0.328765	3.12E-13
0.31488	-0.04339	0.34951	0.226421	7.64E-07
6.91E-05	-0.0497	0.28378	0.356907	1.78E-15
0.00012	-4.34E-05	0.99925	0.289299	1.87E-10
0.04259	-0.00783	0.86603	0.293379	1.01E-10
0.6084	-0.08494	0.06667	0.183439	6.68E-05
0.03511	0.019801	0.66952	-0.16734	0.00028
0.47481	0.107127	0.02059	-0.24861	5.21E-08
0.02178	0.111175	0.01624	-0.00456	0.92167
0.26554	-0.04816	0.29898	0.257886	1.57E-08
0.11926	-0.03231	0.4861	0.151589	0.00102
0.01555	0.074656	0.10712	0.062524	0.17738
0.9354	-0.02012	0.66448	0.137303	0.00295
3.05E-08	0.286546	2.82E-10	0.273232	1.93E-09
0.1706	0.027112	0.55894	0.040332	0.38452
0.00085	-0.01413	0.76067	-0.25509	2.26E-08
0.59896	0.003034	0.94786	0.142642	0.002
0.00046	-0.07692	0.09688	-0.07503	0.10537
0.00303	0.062714	0.17607	0.108442	0.01907
0.37512	-0.06394	0.16778	0.111139	0.01603
0.96721	-0.01107	0.81148	0.003442	0.94087
0.04891	-0.04526	0.32912	0.004486	0.92297
0.26156	-0.0997	0.03123	0.045799	0.32335
0.37992	0.11836	0.01047	-0.22496	9.04E-07
0.16036	0.109938	0.01747	-0.13426	0.00365
0.00075	-0.10531	0.02284	0.188612	4.10E-05
0.46927	-0.07199	0.12031	0.3384	5.64E-14
0.05576	0.056136	0.22596	0.068503	0.13937
0.26673	-0.13808	0.00279	0.041294	0.37327
0.3753	-0.09257	0.04556	0.149274	0.00121
0.03335	0.073245	0.11394	-0.04007	0.38763
0.00336	-0.05073	0.27394	0.236585	2.31E-07
0.47533	0.039894	0.3897	-0.15446	0.00081
0.00012	-0.0563	0.22458	0.065071	0.16034
0.32254	0.118591	0.01032	-0.22771	6.59E-07
0.00025	-0.14439	0.00176	0.199224	1.44E-05
7.82E-05	0.132652	0.00408	0.072289	0.11875
0.19913	-0.06497	0.16102	0.21002	4.70E-06
4.15E-05	0.121464	0.0086	-0.0642	0.16605
0.01898	-0.03454	0.45645	-0.05746	0.21516
0.74785	-0.10947	0.01796	0.335042	1.03E-13
0.25302	0.006462	0.88923	0.166446	0.0003

0.05846	0.048788	0.29274	0.019804	0.66949
0.05269	-0.00811	0.8613	0.003404	0.94152
0.48276	0.042962	0.35426	-0.17859	0.0001
0.97724	-0.06026	0.19365	0.062187	0.17974
0.51344	0.057298	0.21649	0.121221	0.00873
0.75039	-0.06797	0.14248	0.167486	0.00028
0.97529	0.115599	0.01243	0.095443	0.03923
0.20806	0.149915	0.00116	-0.0849	0.06678
0.19399	0.096987	0.03615	-0.0103	0.82431
0.76004	0.068934	0.1369	0.018348	0.6925
0.14959	-0.05702	0.21872	0.085746	0.06411
0.13343	0.061497	0.18463	0.02504	0.58937
4.25E-30	0.479128	3.55E-28	0.073873	0.11087
0.94278	-0.01442	0.756	0.148048	0.00133
0.0008	-0.04531	0.32855	0.375928	4.01E-17
0.02997	-0.01219	0.79274	0.036039	0.43718
0.19098	-0.01647	0.72267	0.098436	0.03345
1.33E-12	0.256347	1.92E-08	0.124905	0.00688
0.19558	-0.0592	0.20157	0.169369	0.00024
0.75639	-0.14009	0.00241	0.18858	4.11E-05
0.10189	-0.002	0.96558	0.174239	0.00015
2.42E-08	-0.00439	0.92469	0.69788	2.08E-69
0.9854	-0.15799	0.00061	0.300356	3.43E-11
0.72619	-0.00524	0.91012	-0.02396	0.60554
0.02337	0.270335	2.90E-09	-0.21233	3.67E-06
0.14305	-0.13706	0.003	0.124172	0.00722
0.01549	-0.05469	0.23815	-0.10928	0.01816
0.02107	-0.0126	0.78603	0.162616	0.00042
0.00037	0.111542	0.01589	0.348731	8.43E-15
0.67129	-0.08158	0.07821	0.064091	0.16675
0.05403	-0.00222	0.96183	0.114556	0.01325
0.02927	-0.0431	0.35274	0.031724	0.49404
0.39161	-0.06789	0.14294	0.024506	0.59733
5.96E-06	0.163275	0.0004	0.146608	0.00149
0.92136	-0.09614	0.03782	0.328912	3.04E-13
0.1403	-0.03723	0.42219	0.280729	6.62E-10
0.00751	0.175224	0.00014	0.130594	0.0047
0.0263	0.185268	5.63E-05	0.39654	4.90E-19
9.52E-13	-0.23279	3.63E-07	-0.2871	2.60E-10
0.7934	-0.09641	0.03728	0.292577	1.14E-10
0.00051	-0.06185	0.18212	-0.00061	0.98952
0.00788	-0.06993	0.13131	0.154784	0.00079
0.00947	-0.01807	0.69695	0.328198	3.44E-13
0.08135	0.08507	0.06624	-0.02041	0.66006
0.00017	0.02811	0.54454	0.427383	3.69E-22

0.51676	-0.11983	0.00954	0.383615	8.04E-18
0.01389	0.04456	0.33663	0.383368	8.48E-18
0.06662	-0.05348	0.2487	0.240829	1.38E-07
0.24157	-0.06073	0.19017	0.282311	5.26E-10
0.68505	0.017703	0.70278	0.153305	0.00089
0.1193	-0.09678	0.03655	0.051044	0.27097
0.11834	0.004443	0.92372	0.14848	0.00129
0.20787	-0.00238	0.95914	0.101264	0.02866
0.02288	-0.10438	0.02408	-0.04864	0.29421
0.10205	0.150005	0.00115	-0.11526	0.01269
0.08067	-0.06198	0.18119	-0.05367	0.24703
0.18256	-0.02945	0.52559	0.03798	0.41288
0.0004	-0.14576	0.00159	0.02524	0.5864
0.64802	0.195096	2.18E-05	-0.18938	3.81E-05
3.43E-13	0.38058	1.52E-17	0.097195	0.03575
0.04464	0.257618	1.62E-08	0.002185	0.96244
0.00468	-0.1011	0.02892	0.424972	6.66E-22
1.50E-05	-0.09335	0.04378	0.562434	2.62E-40
0.0405	-0.12823	0.00552	0.409542	2.59E-20
1.94E-08	-0.08775	0.05811	-0.08892	0.05483
0.18701	0.08904	0.0545	0.284372	3.89E-10
0.4377	-0.06216	0.17994	0.148362	0.0013
0.03285	0.030218	0.51477	-0.20413	8.73E-06
0.04727	-0.15332	0.00089	0.002469	0.95757
0.07654	-0.05363	0.24738	0.063282	0.17218
0.06813	0.045041	0.33143	-0.03227	0.48657
7.64E-06	0.011126	0.81049	-0.25718	1.72E-08
0.02292	-0.07649	0.09875	0.032533	0.48309
0.0177	-0.13887	0.00263	0.092693	0.04528
0.32476	-0.15871	0.00058	0.371653	9.61E-17
0.06947	-0.13275	0.00406	0.33733	6.84E-14
0.27035	0.031058	0.50315	-0.35728	1.66E-15
0.02328	-0.01909	0.68065	0.348296	9.15E-15
0.18827	-0.04332	0.35022	0.023186	0.61722
0.69473	-0.14234	0.00205	0.258561	1.43E-08
0.01664	-0.05719	0.21738	0.219056	1.76E-06
0.74721	-0.09905	0.03235	0.186338	5.09E-05
0.40865	-0.07845	0.0904	0.206599	6.75E-06
0.00514	0.02792	0.54726	0.404583	8.07E-20
0.01977	0.038943	0.40112	0.202979	9.83E-06
0.00091	-0.00503	0.9137	0.122907	0.00784
0.95625	-0.09341	0.04363	0.130412	0.00476
0.25454	-0.07672	0.09772	0.141547	0.00217
0.15946	-0.12863	0.00537	0.176953	0.00012
0.04942	0.157837	0.00062	-0.26455	6.42E-09

0.03251	-0.01282	0.78233	0.347272	1.11E-14
0.00206	-0.11191	0.01554	-0.16941	0.00024
0.32818	-0.01633	0.7248	0.057242	0.21694
0.24528	-0.02411	0.60328	-0.06865	0.13855
0.0807	0.00409	0.92976	0.578442	4.69E-43
0.64595	-0.00108	0.98147	0.207096	6.41E-06
0.7189	-0.19038	3.46E-05	0.350304	6.27E-15
0.00349	-0.11107	0.01634	-0.00092	0.9841
0.41536	-0.12251	0.00804	0.294341	8.70E-11
0.0692	-0.07583	0.10171	0.127468	0.00581
0.40682	-0.03385	0.46552	0.037687	0.41649
0.06942	-0.11681	0.01153	0.401764	1.53E-19
0.10064	0.051006	0.27133	0.245499	7.72E-08
0.03459	-0.12091	0.00891	0.39912	2.76E-19
0.17765	0.000834	0.98566	-0.09945	0.03167
0.11186	-0.08385	0.07024	-0.02196	0.63592
0.31148	0.011149	0.8101	-0.00434	0.9254
0.84964	-0.13523	0.00341	0.237892	1.97E-07
0.00045	-0.03889	0.40179	-0.1255	0.00662
1.95E-06	0.062149	0.18	0.17618	0.00013
0.58024	-0.06557	0.15713	0.268499	3.74E-09
5.54E-05	-0.07223	0.11903	0.476131	8.47E-28
0.21895	-0.20964	4.90E-06	0.049911	0.28176
0.20926	-0.18504	5.75E-05	0.374176	5.75E-17
0.55497	-0.03809	0.41155	0.10895	0.01852
0.26673	0.07102	0.12538	0.014103	0.76115
0.34347	-0.1145	0.01329	0.251733	3.50E-08
0.11489	-0.14282	0.00197	0.301084	3.06E-11
0.07752	-0.072	0.12023	0.290953	1.46E-10
0.0064	-0.14492	0.00169	0.057274	0.21668
0.00801	-0.137	0.00301	0.087716	0.05821
0.20374	-0.11521	0.01273	0.281065	6.30E-10
0.00111	-0.04904	0.29028	0.102616	0.02659
0.53159	-0.06644	0.15171	0.257212	1.71E-08
0.0024	-0.04404	0.34229	0.451582	7.61E-25
0.38853	0.220614	1.48E-06	-0.14559	0.00161
0.6017	-0.04598	0.32143	0.223088	1.12E-06
0.09019	-0.13813	0.00278	0.357093	1.72E-15
0.11763	-0.22413	9.94E-07	0.28422	3.97E-10
0.28603	-0.01838	0.69191	0.33706	7.18E-14
0.25757	-0.01681	0.71708	0.404653	7.95E-20
0.04334	0.119432	0.00979	-0.00767	0.86862
0.04219	-0.02007	0.66534	0.237892	1.97E-07
0.63797	-0.03916	0.39851	0.109699	0.01772
0.41577	-0.10284	0.02627	0.17233	0.00018

0.27989	-0.04777	0.30293	0.166704	0.0003
0.00455	-0.01931	0.67727	0.157106	0.00066
0.90765	-0.06043	0.1924	0.124846	0.00691
0.11537	-0.01208	0.79462	0.210454	4.49E-06
0.25084	-0.02475	0.59369	0.160488	0.0005
0.16244	-0.03348	0.4704	0.104933	0.02334
0.00654	-0.00667	0.88563	0.246631	6.70E-08
0.15454	-0.09319	0.04413	0.097836	0.03454
0.28982	-0.02932	0.52734	0.126842	0.00605
0.77669	-0.06171	0.18308	0.140889	0.00228
0.03884	0.017773	0.70167	0.290054	1.67E-10
0.7749	-0.10247	0.0268	0.149345	0.00121
0.06679	-0.00316	0.94571	0.116729	0.01159
0.23163	-0.08288	0.07357	0.153448	0.00088
0.3336	-0.06974	0.13234	0.217582	2.07E-06
0.17006	0.011371	0.8064	0.196833	1.83E-05
0.34317	-0.0624	0.17821	0.130836	0.00463
0.90345	-0.03882	0.40263	0.066505	0.15131
0.90981	-0.06576	0.15597	0.144886	0.00169
0.38983	-0.06359	0.1701	0.131707	0.00436
0.54169	-0.06458	0.16353	0.041491	0.371
0.17566	-0.01721	0.71071	0.143275	0.00191
0.30874	-0.00677	0.88397	0.122488	0.00805
0.10727	-0.02749	0.55343	0.24567	7.56E-08
0.32011	-0.06982	0.13188	0.222444	1.20E-06
0.69025	-0.12369	0.00745	0.111157	0.01586
0.76545	-0.08724	0.0596	0.103085	0.0259
0.51551	-0.05189	0.26305	0.129509	0.00506
0.11972	-0.0286	0.5375	0.110095	0.01731
0.53227	-0.03495	0.4511	0.077785	0.09315
0.41191	-0.04885	0.29213	0.117491	0.01105
0.00087	0.166353	0.00031	-0.19021	3.52E-05
0.81825	-0.03491	0.45166	0.16456	0.00036
0.68804	-0.06549	0.15768	0.105374	0.02276
0.44397	-0.00936	0.84009	0.060438	0.19231
0.19934	-0.07407	0.10993	0.086793	0.06091
0.00151	0.013941	0.76381	0.165186	0.00034
0.05084	0.035854	0.43953	0.13232	0.00418
0.80096	0.013608	0.7693	0.097666	0.03486
0.06686	-0.03568	0.44181	0.15771	0.00063
0.10774	-0.02927	0.52812	0.128456	0.00544
0.97523	0.020946	0.65165	0.052828	0.25455
0.03732	0.095921	0.03826	-0.03066	0.50863
0.47872	-0.07754	0.0942	0.073625	0.11207
0.19345	-0.09722	0.03571	0.107673	0.01995



0.20351	-0.06161	0.18379	0.103623	0.02513
0.15448	-0.01264	0.78521	0.101365	0.0285
0.15978	-0.01897	0.68258	0.124935	0.00687
0.59057	-0.06915	0.13564	0.120285	0.00927
0.01116	0.007262	0.87562	0.164005	0.00037
0.48366	-0.03796	0.41313	0.112768	0.01476
0.00728	-0.07033	0.12908	0.347636	1.03E-14
0.35952	0.109968	0.01744	-0.01483	0.74924
0.79005	-0.04319	0.35168	0.141748	0.00214
0.43107	-0.05162	0.26559	0.222865	1.15E-06
0.94918	-0.04908	0.28983	0.07124	0.12421
0.09766	0.044375	0.33864	0.099029	0.03239
0.09514	-0.09154	0.04804	0.324041	7.05E-13
0.34993	-0.04953	0.28549	0.201823	1.11E-05
0.47371	-0.02705	0.55987	0.150978	0.00107
0.39793	-0.06206	0.18066	0.059929	0.19609
0.21768	-0.04738	0.30695	0.148433	0.0013
0.22187	-0.0651	0.16014	0.105668	0.02238
0.28451	-0.03493	0.4514	0.136674	0.00308
0.63909	-0.04994	0.28144	0.058262	0.20885
0.322	-0.01259	0.78616	0.161003	0.00048
0.13022	-0.06093	0.18874	0.25582	2.06E-08
0.17324	-0.00728	0.87526	0.141841	0.00212
0.49392	-0.00443	0.92397	0.129905	0.00493
0.42784	-0.02094	0.65166	0.108093	0.01947
0.23972	-0.01758	0.7048	0.099897	0.0309
0.68822	-0.04927	0.288	0.080725	0.0814
0.08917	0.007242	0.87597	0.141844	0.00212
0.62042	-0.0276	0.55183	0.122963	0.00781
0.39146	-0.03814	0.41094	0.078351	0.09079
0.28309	-0.0355	0.444	0.061754	0.18279
0.68108	-0.08523	0.06573	0.017903	0.69959
0.27277	-0.04954	0.28536	0.065101	0.16015
0.22156	-0.06174	0.18288	0.085033	0.06636
3.70E-05	0.003814	0.93449	0.283083	4.70E-10
0.98457	-0.06142	0.18517	0.135988	0.00323
0.78716	-0.06278	0.17559	0.036523	0.43104
0.42431	-0.0214	0.64458	0.056358	0.22414
0.19586	-0.01508	0.74523	0.183513	6.63E-05
0.40779	-0.03813	0.41099	0.082585	0.0746
0.39991	-0.03882	0.40264	-0.00094	0.98391
0.17225	-0.03605	0.43701	0.020538	0.65799
0.55757	-0.02518	0.58727	0.036468	0.43173
0.38503	-0.0788	0.08896	0.230621	4.69E-07
0.00333	0.016042	0.72951	0.265115	5.95E-09

0.02266	0.036242	0.43459	0.20017	1.31E-05
0.29158	-0.01487	0.74856	0.150759	0.00108
0.61484	-0.0767	0.09784	0.117546	0.01102
0.23049	-0.02325	0.61626	0.179056	0.0001
0.97703	-0.08317	0.07256	0.094133	0.04202
0.12921	0.006065	0.89601	0.046348	0.31759
0.52588	-0.0434	0.34937	0.135305	0.00339
0.02198	-0.00174	0.97007	0.257551	1.64E-08
0.00884	0.052807	0.25475	0.120288	0.00927
0.32506	-0.08376	0.07055	0.203563	9.26E-06
0.00172	0.045777	0.32359	0.158512	0.00059
0.35274	-0.0624	0.17824	0.118208	0.01057
0.26245	-0.04539	0.32769	0.092037	0.04683
0.71279	-0.05124	0.26917	0.108656	0.01884
0.71833	-0.0472	0.30879	0.120407	0.0092
0.14908	-0.10687	0.02089	0.246924	6.46E-08
0.2724	-0.0161	0.72859	0.132874	0.00402
0.99657	-0.07204	0.12001	0.137743	0.00286
0.14826	-0.06199	0.18109	0.116663	0.01164
0.28045	-0.04661	0.3149	0.142056	0.00209
0.20121	-0.05914	0.20203	0.189119	3.90E-05
0.8972	-0.08619	0.06274	0.121529	0.00856
0.67373	-0.07797	0.0924	0.101171	0.02881
0.02595	-0.03345	0.47083	0.176957	0.00012
0.41291	-0.05616	0.2258	0.171041	0.0002
0.01785	-0.025	0.58995	0.150777	0.00108
0.17586	-0.09485	0.04047	0.26419	6.74E-09
0.08205	-0.03227	0.48664	0.109335	0.0181
0.62444	-0.0741	0.10978	0.247821	5.76E-08
0.74923	-0.04914	0.28928	0.10087	0.02929
0.1961	-0.07058	0.12774	0.161228	0.00047
0.38075	-0.03868	0.40425	0.138654	0.00267
0.50134	-0.0661	0.15381	0.218119	1.95E-06
0.43901	0.009546	0.83699	0.050284	0.27817
0.30555	-0.03122	0.50097	0.037389	0.42018
0.988	-0.01975	0.67032	0.094939	0.04029
0.26355	-0.05824	0.20902	0.016713	0.71868
2.37E-05	-0.09485	0.04047	0.467369	1.02E-26
0.01488	-0.05185	0.26345	0.23614	2.44E-07
0.68226	0.011149	0.81011	0.088581	0.05576
0.67688	-0.04473	0.33482	0.172015	0.00019
0.17178	-0.02215	0.63306	0.108981	0.01848
0.96716	-0.01647	0.72257	0.117724	0.01089
0.28487	-0.08173	0.07765	0.101583	0.02816
0.25135	-0.04335	0.34987	0.167138	0.00029

0.96111	-0.03507	0.44966	0.195417	2.11E-05
0.79293	-0.04988	0.28204	0.182211	7.49E-05
0.86442	0.00739	0.87346	0.127302	0.00587
0.17442	-0.07553	0.10308	0.09653	0.03704
0.02781	-0.07909	0.08776	0.070677	0.12722
0.78453	-0.03306	0.476	0.120611	0.00908
0.17144	0.012216	0.79233	0.175137	0.00014
0.43105	-0.01958	0.67294	0.024764	0.59348
0.91572	-0.04904	0.2903	0.137555	0.00289
0.70697	-0.03786	0.4143	0.134926	0.00349
0.32045	-0.1	0.03073	0.140812	0.00229
0.99231	0.017563	0.70502	0.165173	0.00034
0.03584	-0.08511	0.06612	0.204938	8.03E-06
0.57572	-0.04133	0.37285	0.183128	6.88E-05
0.20747	-0.04357	0.34747	0.325466	5.52E-13
0.88966	-0.04349	0.34836	0.126378	0.00624
0.53631	0.000149	0.99744	0.11398	0.01372
0.23708	0.026402	0.56928	0.320449	1.30E-12
0.44739	-0.01402	0.76244	0.090306	0.05114
0.61872	-0.16942	0.00024	0.455768	2.48E-25
0.01541	-0.04114	0.37503	0.314055	3.78E-12
0.42057	-0.01476	0.7504	-0.00103	0.98237
0.43331	0.009183	0.8431	-0.01541	0.73977
0.66897	-0.03495	0.45122	0.113894	0.01379
0.9344	-0.03247	0.484	0.13618	0.00319
0.7788	0.001613	0.97227	0.06332	0.17192
0.30734	-0.02023	0.66277	0.143711	0.00185
0.87991	-0.03047	0.51125	0.088426	0.0562
0.02418	0.092616	0.04546	0.237109	2.17E-07
0.27448	-0.06241	0.1782	0.135345	0.00338
0.86328	0.017451	0.70681	0.142449	0.00203
0.84607	0.061129	0.18727	0.036224	0.43483
0.25062	-0.07683	0.09727	0.042209	0.36277
0.93604	-0.03882	0.40259	0.165408	0.00033
0.08062	-0.04988	0.28207	0.235469	2.64E-07
0.99424	0.000166	0.99715	0.139946	0.00244
0.91982	-0.09798	0.03429	0.308919	8.76E-12
0.85927	-0.02738	0.55511	0.165911	0.00032
0.61018	0.016207	0.72685	0.069863	0.13167
0.53978	-0.00217	0.96263	0.128045	0.00559
0.66814	-0.0693	0.13483	0.201607	1.13E-05
0.3703	-0.03646	0.43185	0.157972	0.00061
0.32933	0.029998	0.51784	0.093717	0.04294
0.95168	-0.02658	0.56669	0.205987	7.20E-06
0.88024	-0.02438	0.59923	0.200824	1.23E-05

0.11751	0.010405	0.82256	0.301168	3.02E-11
0.09007	0.001144	0.98032	0.173413	0.00017
0.25143	0.124141	0.00723	0.146823	0.00146
0.89399	0.006277	0.89238	0.170388	0.00022
0.7611	-0.04952	0.28555	0.101387	0.02847
0.28427	-0.03662	0.42979	0.111444	0.01598
0.37418	-0.08118	0.0797	0.222192	1.24E-06
0.39639	0.028116	0.54445	0.115248	0.0127
0.35009	0.024238	0.60135	0.213741	3.15E-06
0.88739	0.033176	0.47447	-0.03434	0.4591
0.07043	-0.07997	0.08429	0.397608	3.87E-19
0.79866	0.010888	0.81447	0.133566	0.00383
0.40238	-0.02409	0.60354	0.164681	0.00035
0.00363	-0.05858	0.20635	-0.02662	0.56616
0.12565	-0.02393	0.60603	0.315942	2.77E-12
0.4362	-0.00196	0.96637	0.154707	0.0008
0.91312	-0.01398	0.7632	0.138539	0.0027
0.60095	0.046483	0.31617	0.026796	0.56352
0.04447	-0.02121	0.64753	0.191067	3.23E-05
0.29169	0.005226	0.91033	0.067546	0.145
0.65793	-0.02649	0.56793	0.047015	0.31066
0.03773	-0.01333	0.77382	0.157602	0.00063
0.29508	-0.05449	0.23985	0.048699	0.29363
0.03502	-0.01822	0.69459	0.279727	7.65E-10
0.3619	0.024193	0.60202	0.063423	0.17122
0.67901	-0.01276	0.78333	0.12401	0.00729
0.88694	-0.0188	0.68536	0.146967	0.00145
0.66191	-0.00642	0.88999	0.15378	0.00086
0.86137	0.000747	0.98715	0.075947	0.10117
0.96706	-0.04333	0.35019	0.164566	0.00036
0.81555	-0.02292	0.62123	0.065157	0.15979
0.98009	-0.06519	0.15961	0.186007	5.25E-05
0.55611	-0.02489	0.5916	0.074752	0.10667
0.32426	-0.00333	0.94282	0.121367	0.00865
0.88511	-0.02782	0.54874	0.113767	0.0139
0.75033	-0.01318	0.77629	0.080385	0.08269
0.77381	-0.01175	0.80015	0.105717	0.02232
0.5292	0.024336	0.59988	0.080026	0.08408
0.73542	0.015173	0.74364	0.130902	0.0046
0.70861	-0.02104	0.65023	0.109379	0.01806
0.77961	-0.00698	0.88035	0.164236	0.00037
0.6489	-0.03389	0.46496	0.120826	0.00896
0.57493	-0.00698	0.88034	0.065609	0.15691
0.63611	-0.0494	0.28669	0.121506	0.00858
0.85615	-0.02089	0.65252	0.161853	0.00045

0.93372	0.044513	0.33714	0.103092	0.02589
0.91116	0.031482	0.49734	0.140916	0.00227
0.40462	-0.00325	0.94417	0.100461	0.02996
0.95529	-0.06426	0.16561	0.129367	0.00511
0.47851	0.011355	0.80665	0.090156	0.05153
0.78834	0.016744	0.71817	0.074972	0.10564
0.79009	-0.06658	0.15082	0.105581	0.0225
0.64369	0.034521	0.45674	0.112448	0.01505
0.11127	0.016182	0.72725	0.188092	4.31E-05
0.18193	-0.09857	0.0332	0.025578	0.58139
0.398	-0.02794	0.54694	-0.04557	0.32576
0.96446	-0.04729	0.30782	0.261648	9.50E-09
0.36778	-0.07361	0.11214	0.201866	1.10E-05
0.77929	0.007188	0.87688	0.104552	0.02385
0.1341	-0.0476	0.30463	0.203053	9.76E-06
0.23651	-0.05405	0.24375	0.118378	0.01046
0.08351	0.091827	0.04734	0.06024	0.19377
0.39404	0.013403	0.77267	0.094704	0.04079
0.64235	0.025845	0.57746	-0.04928	0.28791
0.34453	-0.01017	0.82648	-0.0544	0.24064
0.85553	-0.0725	0.11769	0.181901	7.70E-05
0.14409	0.075532	0.10306	0.076506	0.09868
0.63722	0.020548	0.65783	0.119731	0.0096
0.58868	-0.0535	0.24856	0.161636	0.00045
0.46918	-0.0338	0.46627	0.125236	0.00673
0.1876	0.067417	0.14577	0.101766	0.02788
0.60299	-0.02068	0.65585	-0.00135	0.97678
0.519	-0.0602	0.19408	0.103028	0.02599
0.36659	0.039047	0.39986	0.204322	8.56E-06
0.39198	-0.05679	0.22057	0.115332	0.01263
0.44305	-0.09571	0.03868	0.234558	2.94E-07
0.63761	-0.01148	0.80452	0.085999	0.06332
0.0787	-0.02718	0.55801	0.298708	4.43E-11
0.23807	-0.07186	0.12095	0.255149	2.25E-08
0.79235	0.008152	0.86053	0.040032	0.38807
0.46508	-0.04749	0.30576	0.091325	0.04857
0.08248	0.01103	0.8121	0.02267	0.62509
0.63577	-0.00902	0.84584	0.096332	0.03743
0.46512	-0.0039	0.93301	0.144995	0.00168
0.67388	-0.03813	0.41098	0.135167	0.00343
0.41568	-0.07197	0.1204	0.342984	2.45E-14
0.50977	-0.03763	0.41716	0.171035	0.0002
0.33696	0.033912	0.46473	0.217944	1.99E-06
0.81254	-0.0181	0.69648	0.158176	0.0006
0.27337	0.027039	0.55998	0.248835	5.07E-08

0.98058	-0.00798	0.86346	0.13024	0.00482
0.84463	-0.11393	0.01376	0.212907	3.45E-06
0.8344	-0.00047	0.99196	0.127348	0.00585
1.25E-06	-0.07245	0.11791	-0.036	0.43773
3.05E-06	-0.19467	2.27E-05	0.109299	0.01814
0.00076	-0.1463	0.00152	0.004239	0.92721
1.90E-07	0.016063	0.72919	0.043098	0.35273
0.05752	0.022097	0.63387	-0.0579	0.2117
0.16708	0.026869	0.56246	-0.00201	0.96549
0.00171	0.033817	0.46597	-0.18757	4.53E-05
4.60E-05	-0.05565	0.23	-0.0256	0.58114
0.92204	-0.08777	0.05805	-0.1825	7.29E-05
6.81E-05	-0.08822	0.05676	0.123102	0.00774
0.13562	-0.13672	0.00307	-0.10607	0.02187
2.16E-06	-0.15471	0.0008	0.07076	0.12677
0.36448	-0.16042	0.0005	0.04123	0.37402
0.00063	-0.06844	0.13971	0.280766	6.58E-10
0.17195	-0.02378	0.6082	-0.02883	0.53433
0.01252	-0.08202	0.0766	0.003844	0.93397
0.28098	-0.17854	0.0001	0.110249	0.01715
2.32E-07	0.011459	0.80492	0.183224	6.81E-05
9.51E-05	0.014653	0.75213	0.011538	0.80362
0.19196	-0.03451	0.45686	0.00961	0.83592
0.03515	-0.09076	0.04998	0.268665	3.65E-09
0.03166	-0.04387	0.34412	0.067901	0.14289
0.00017	-0.13858	0.00269	-0.08367	0.07086
4.17E-05	0.047555	0.30513	0.365683	3.19E-16
0.97199	-0.00341	0.94143	-0.25498	2.30E-08
0.55891	-0.15066	0.00109	0.0057	0.90222
2.29E-07	0.104563	0.02384	0.095405	0.03931
3.92E-07	0.164843	0.00035	0.041747	0.36805
0.01991	-0.06196	0.18135	-0.16788	0.00027
3.72E-10	0.071463	0.12304	0.351103	5.40E-15
0.82059	-0.05084	0.27289	-0.2229	1.14E-06
0.58928	-0.14189	0.00211	-0.21256	3.58E-06
0.34007	0.021316	0.64591	0.006356	0.89104
0.53171	-0.03432	0.45931	-0.17956	9.55E-05
0.00456	-0.11902	0.01005	-0.13212	0.00424
8.47E-07	-0.03539	0.44549	-0.07044	0.12851
9.92E-05	-0.10814	0.01941	0.213807	3.13E-06
0.71404	0.040772	0.37935	-0.06454	0.1638
0.17725	-0.11584	0.01224	0.159893	0.00052
3.87E-11	-0.13853	0.0027	0.253514	2.78E-08
0.02115	-0.08306	0.07293	0.015091	0.74499
0.00037	0.066765	0.14971	-0.00836	0.85706

0.00197	-0.07276	0.11635	0.079971	0.08429
0.42971	-0.07888	0.08863	-0.23734	2.11E-07
2.89E-06	-0.04165	0.36915	0.249711	4.53E-08
0.73814	-0.07683	0.09724	-0.03951	0.39428
0.12419	0.103936	0.0247	-0.11939	0.00981
7.77E-05	-0.15262	0.00094	0.095699	0.03871
0.00108	-0.10944	0.01799	-0.26961	3.21E-09
0.00041	-0.16715	0.00029	0.068477	0.13952
0.00038	-0.10541	0.02272	0.036724	0.42851
0.00014	-0.09878	0.03284	-0.05533	0.23272
8.77E-07	-0.0247	0.59442	0.058813	0.20456
0.06347	0.025766	0.57861	-0.06916	0.13562
5.90E-06	-0.12947	0.00507	0.210966	4.25E-06
0.10606	-0.10172	0.02795	0.168105	0.00026
0.03998	-0.11668	0.01162	0.01011	0.8275
9.71E-09	0.049845	0.2824	0.294758	8.16E-11
0.00048	-0.00908	0.84488	0.269455	3.28E-09
3.52E-06	-0.03345	0.47082	0.253713	2.71E-08
0.00995	-0.02204	0.63477	0.226814	7.31E-07
0.09092	-0.07273	0.1165	-0.16398	0.00037
0.02768	0.055499	0.23128	-0.19943	1.41E-05
0.60629	-0.10377	0.02493	0.021377	0.64497
0.00073	-0.10364	0.02511	0.178598	0.0001
0.27686	0.040293	0.38498	-0.21135	4.08E-06
0.00072	-0.19752	1.71E-05	0.064256	0.16566
0.20947	0.07865	0.08956	0.058144	0.20977
0.98385	-0.05646	0.22331	-0.02318	0.61736
0.00054	-0.11321	0.01437	0.067925	0.14275
0.08323	0.032154	0.4882	0.030805	0.50664
0.00019	0.010284	0.82458	0.150482	0.00111
0.71991	-0.08587	0.06373	-0.32455	6.46E-13
0.01062	-0.0134	0.7728	0.228523	5.99E-07
0.00345	0.005444	0.90659	0.058059	0.21044
0.19804	-0.19616	1.96E-05	-0.16447	0.00036
0.32368	-0.07967	0.08546	-0.33703	7.22E-14
2.20E-06	0.035543	0.44351	0.267635	4.21E-09
0.52697	-0.07292	0.11557	-0.15461	0.0008
0.00889	-0.20453	8.38E-06	0.012739	0.78366
2.42E-07	-0.05588	0.22811	0.046379	0.31726
0.00257	-0.05979	0.19712	-0.06859	0.13888
0.00067	-0.11614	0.01202	-0.05497	0.23575
0.58206	-0.15766	0.00063	-0.15817	0.0006
0.1247	-0.2257	8.30E-07	-0.06002	0.19545
0.68102	0.068585	0.1389	-0.28865	2.06E-10
1.07E-06	0.04555	0.32599	-0.06382	0.16857

0.00364	-0.12485	0.00691	-0.00748	0.872
0.00074	-0.12465	0.007	0.070992	0.12553
0.00011	-0.08328	0.07219	0.144261	0.00177
5.18E-05	-0.01111	0.81075	0.151548	0.00102
0.00122	-0.13632	0.00316	0.300706	3.24E-11
0.00117	-0.1595	0.00054	-0.07688	0.09704
0.48509	-0.1128	0.01473	0.243011	1.05E-07
0.00036	-0.0093	0.84119	0.020148	0.66409
0.00227	-0.04043	0.38331	0.294685	8.25E-11